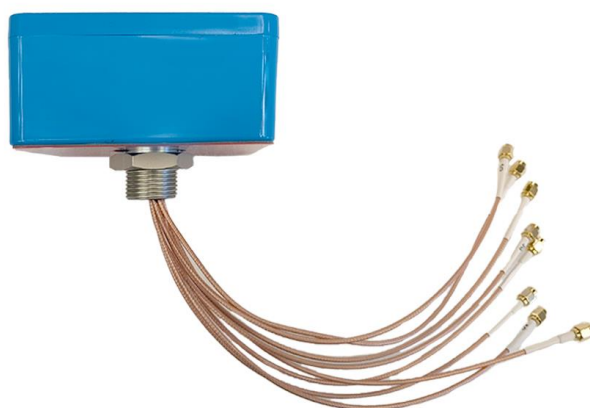


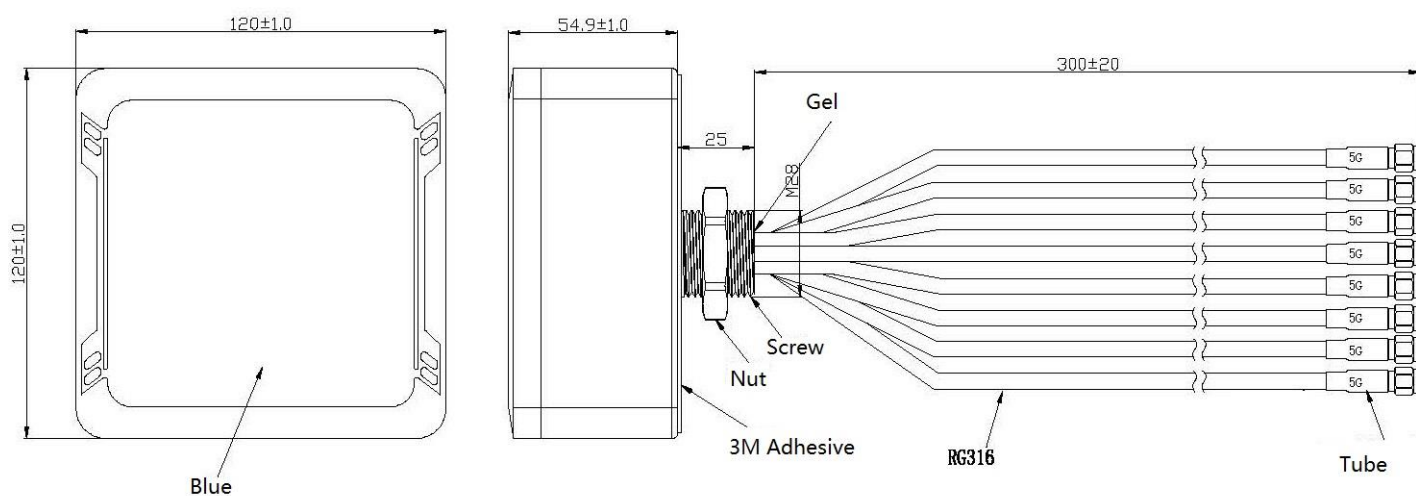


Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL



Schematic picture



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Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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Specifications

Item	Specifications	
Cellular 5G/4G LTE/3G Antenna 1	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%
Cellular 5G/4G LTE/3G Antenna 2	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%
Cellular 5G/4G LTE/3G Antenna 3	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%
Cellular 5G/4G LTE/3G Antenna 4	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%
Cellular 5G/4G LTE/3G Antenna 5	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%
Cellular 5G/4G LTE/3G Antenna 6	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	> 50%

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Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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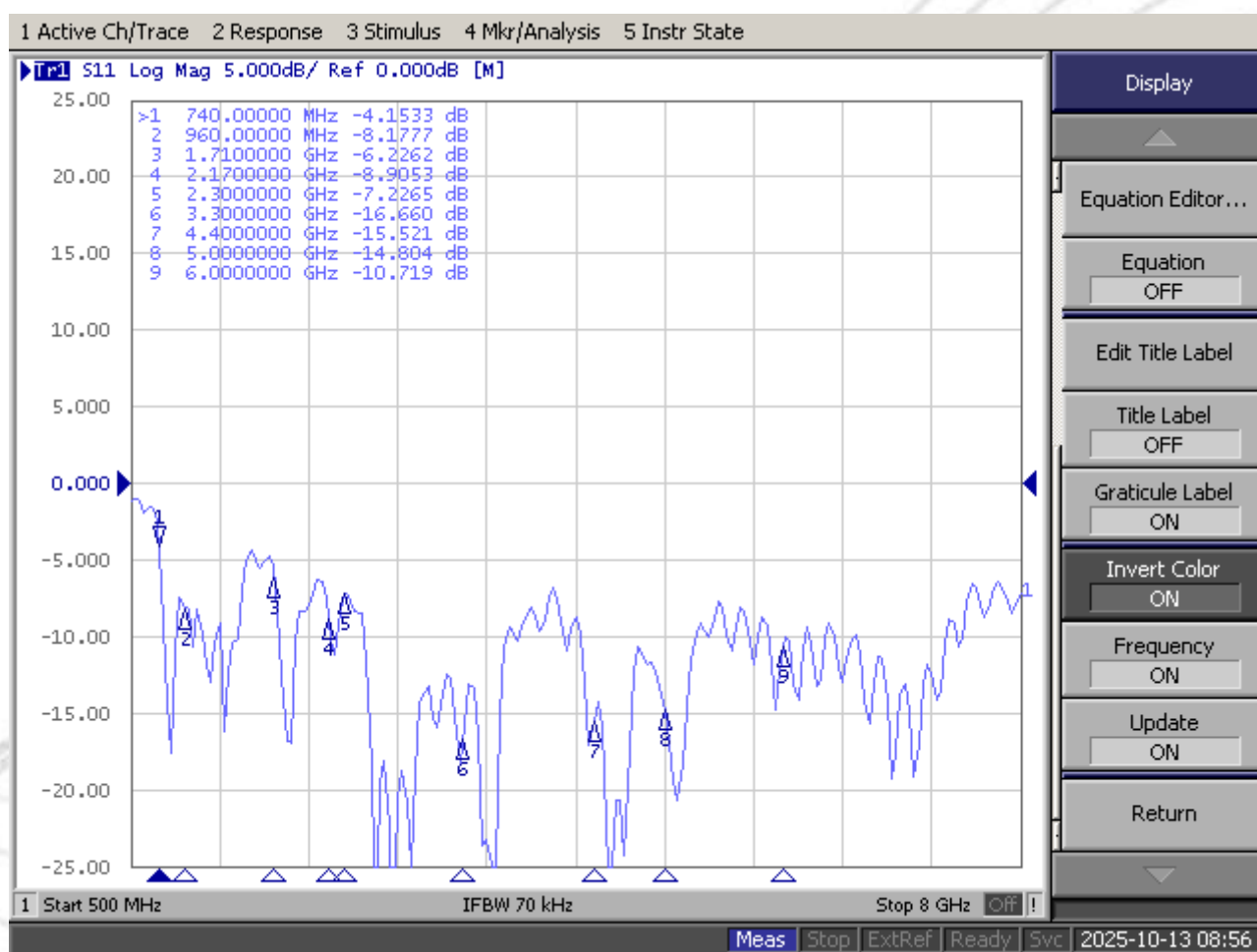
Specifications

Item		Specifications
Cellular 5G/4G LTE/3G Antenna 7	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	>50%
Cellular 5G/4G LTE/3G Antenna 8	Frequency Range	750MHz~6000MHz
	Polarization	Linear
	Gain	Up to 3.0 dBi
	V.S.W.R	average 3.0
	Radiation Pattern	Omnidirection
	Efficiency	>50%
Mechanical	Dimension	120mm *120mm*55mm
	Connector Type	Antenna 1-4: SMA Male Antenna 5-6: SMA Male
	Cable	RG316 20cm X8, LMR240 2mx8
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant
	Ingress Protection	IP66

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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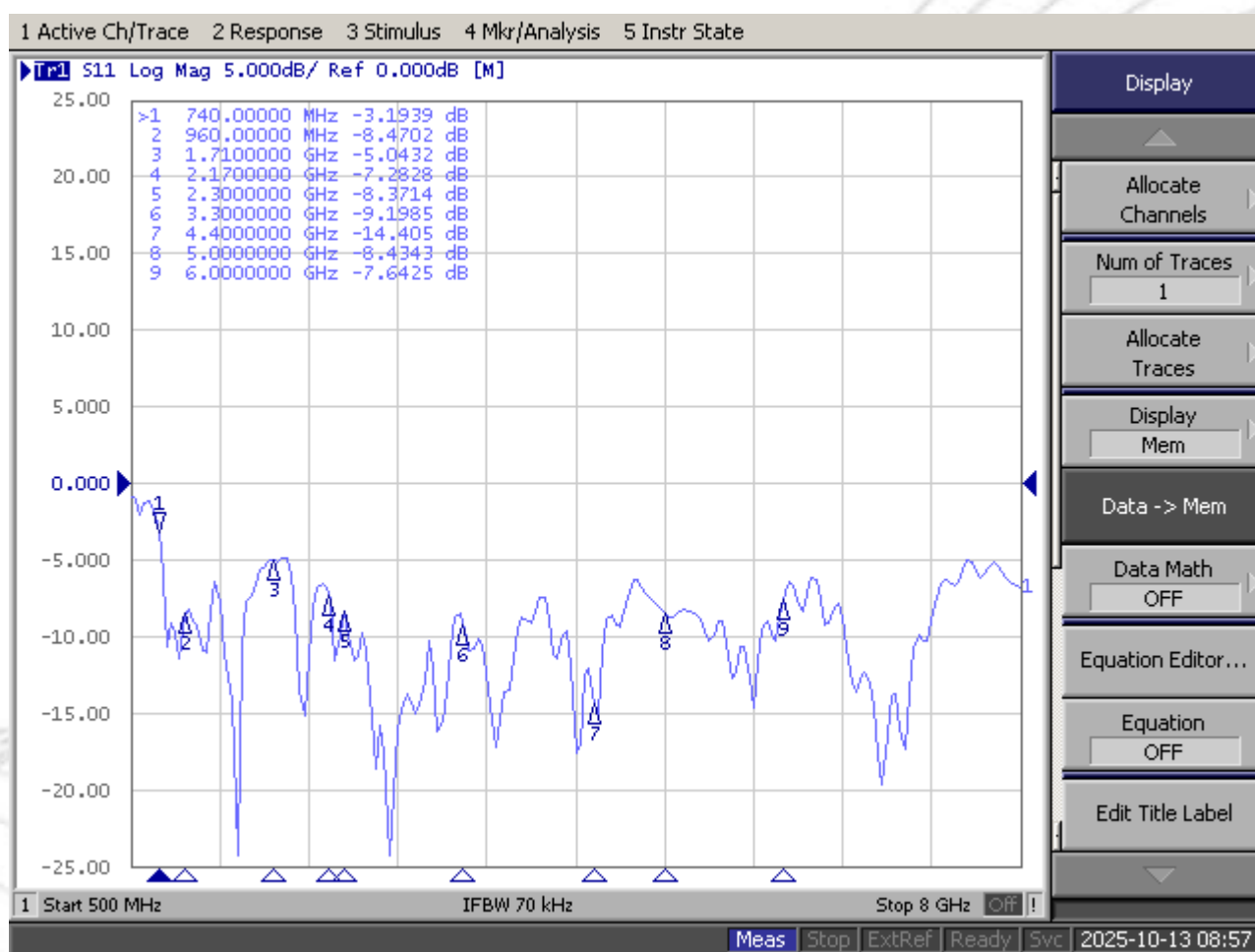
Measured Reflection Coefficient S11



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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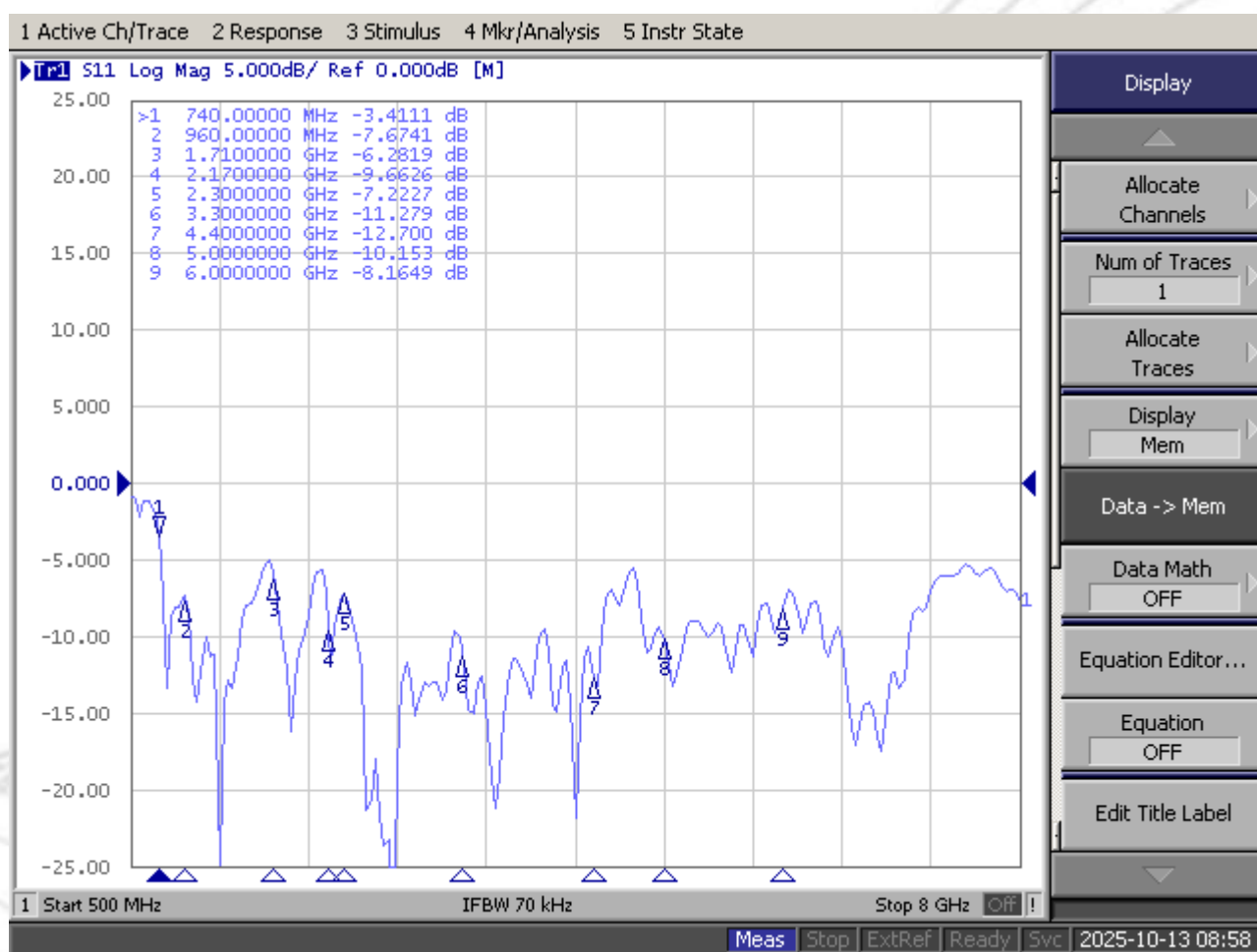
Measured Reflection Coefficient S22



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Measured Reflection Coefficient S33

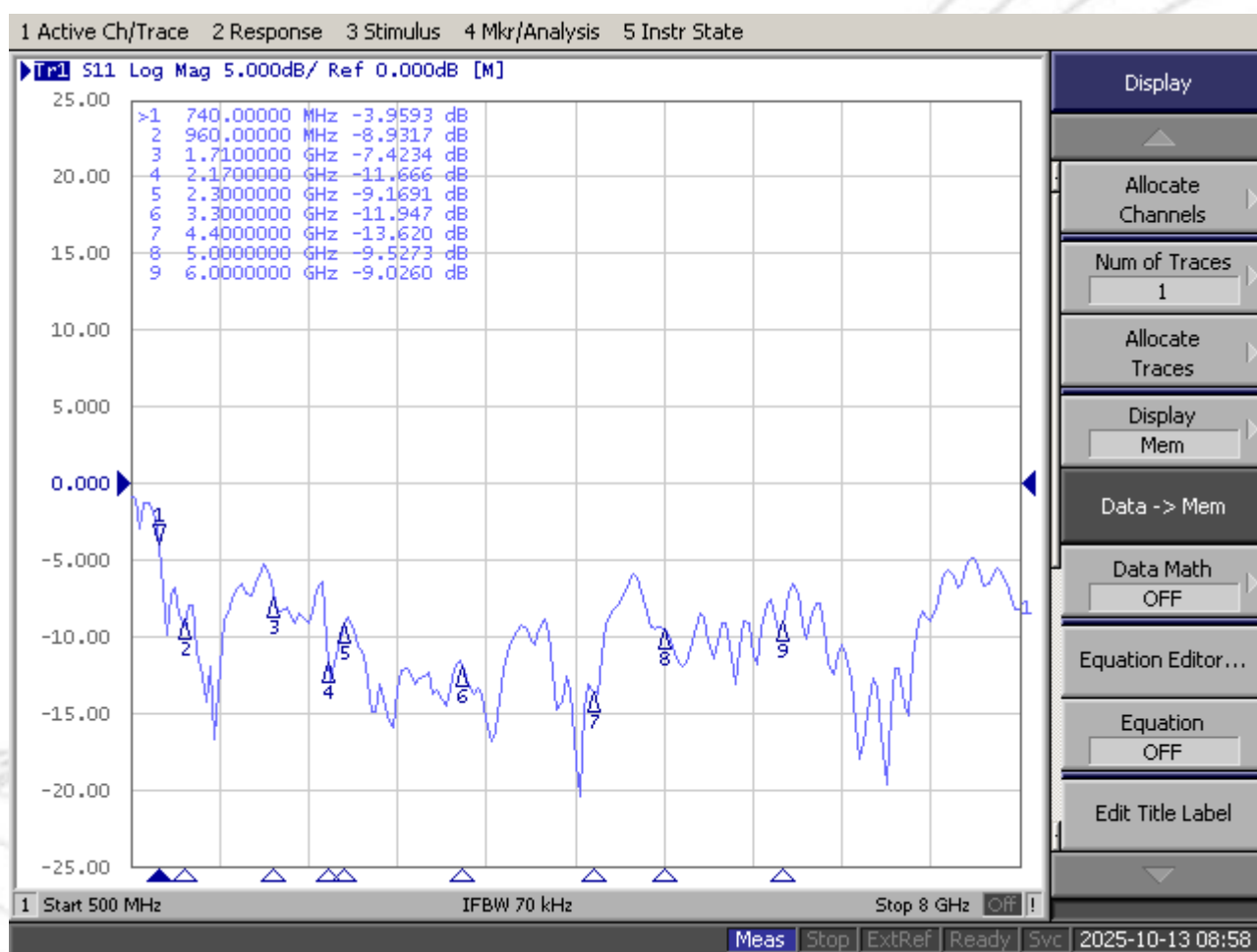




Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Measured Reflection Coefficient S44

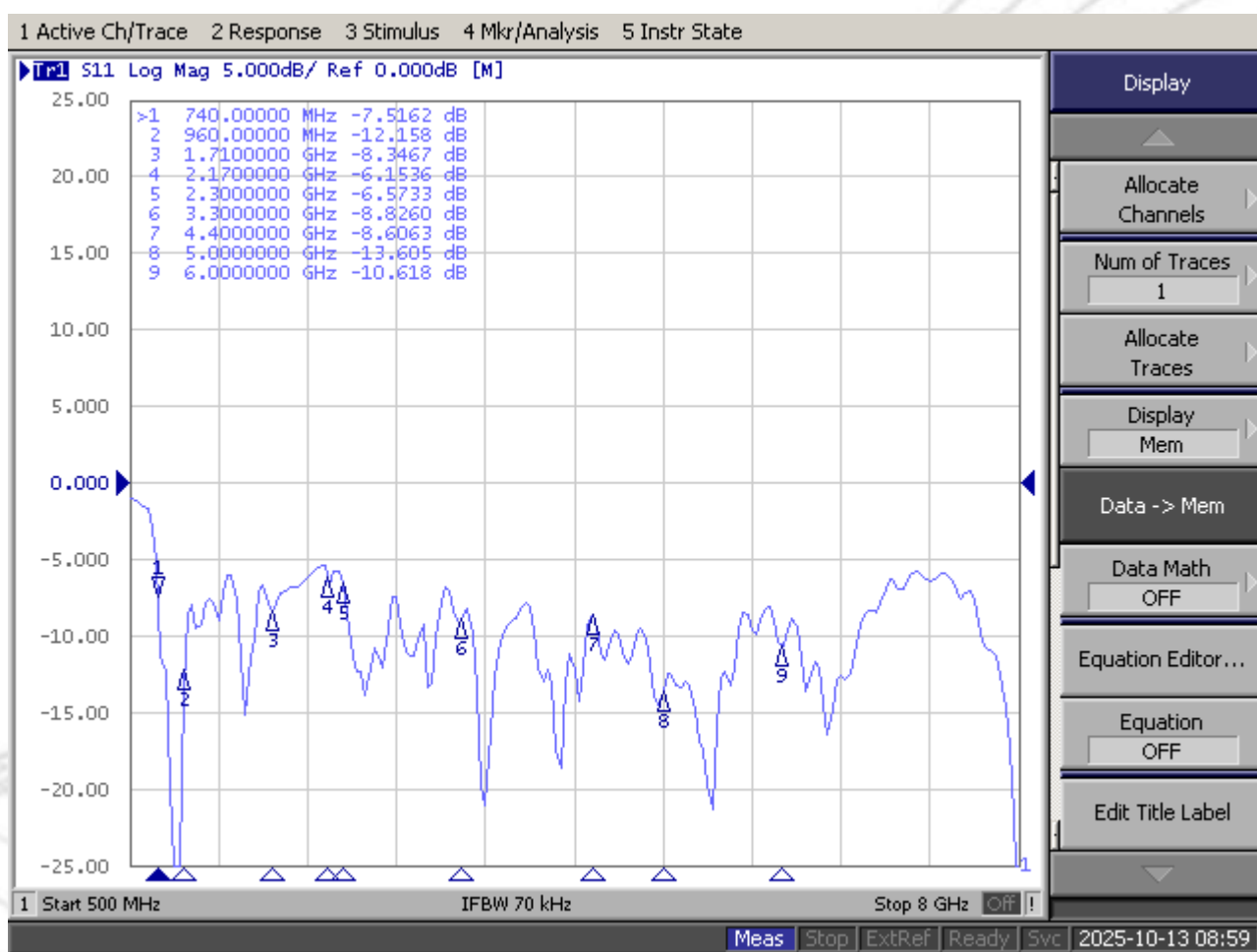




Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

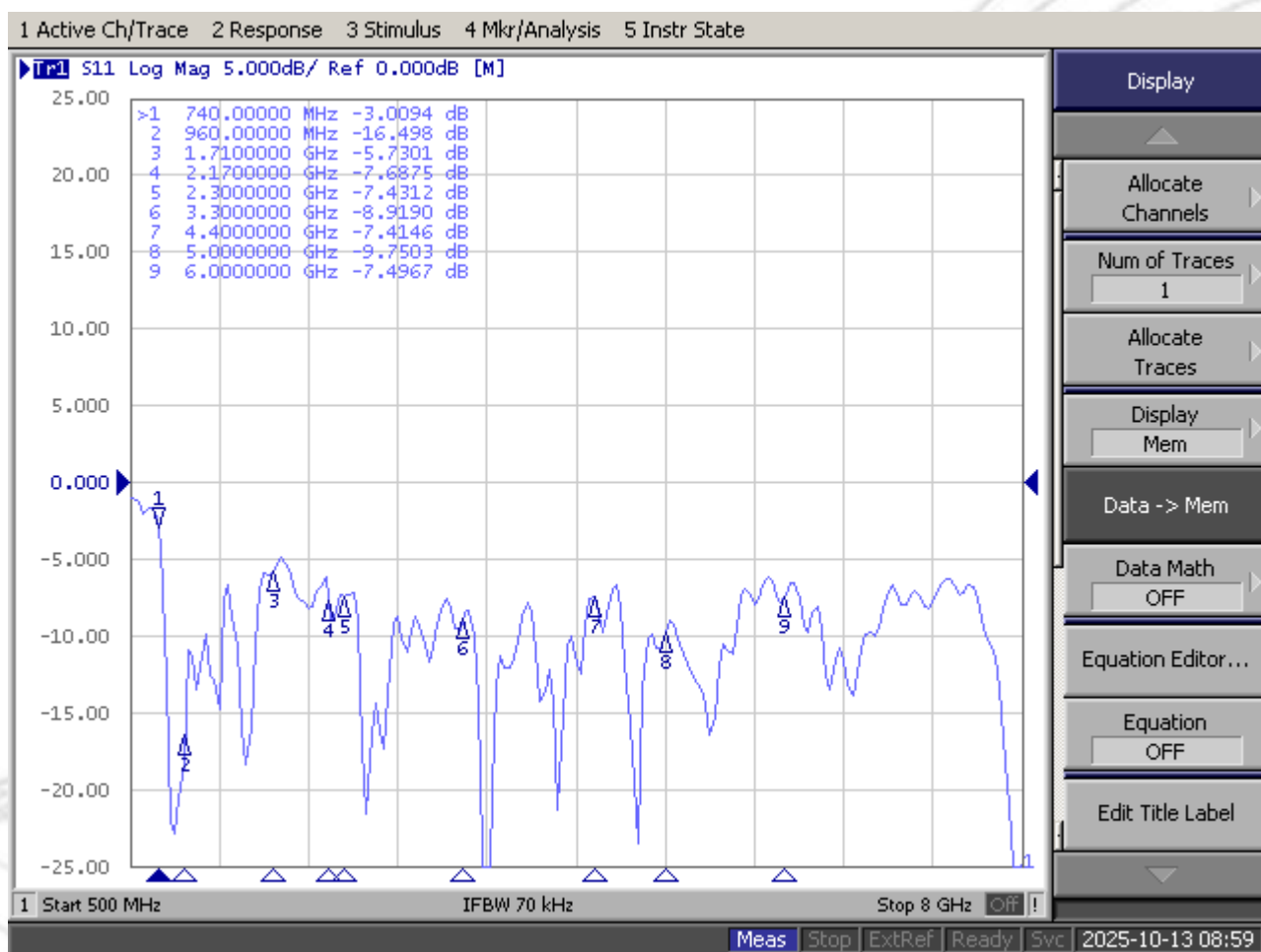
Measured Reflection Coefficient S55



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

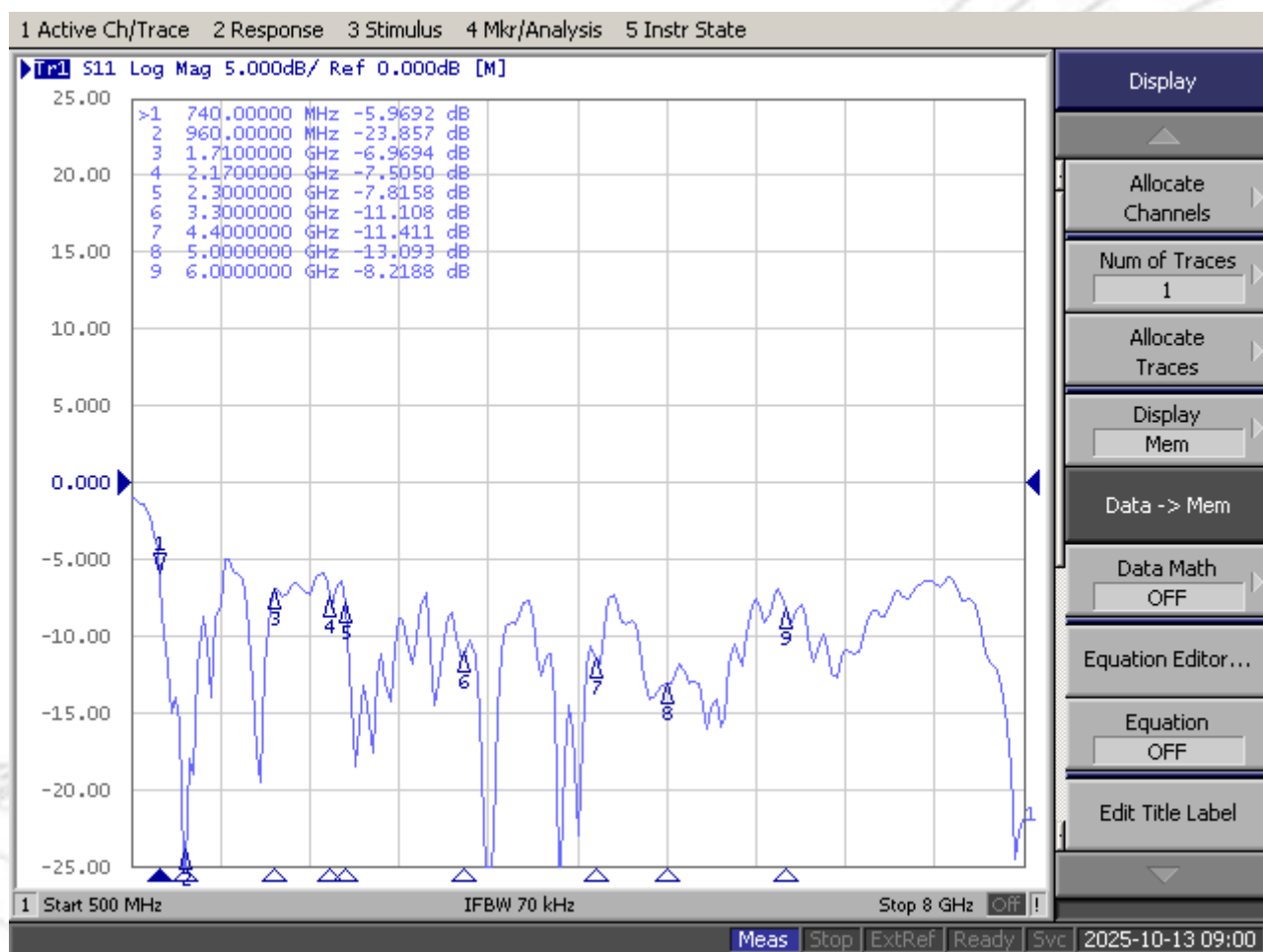
Measured Reflection Coefficient S66



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

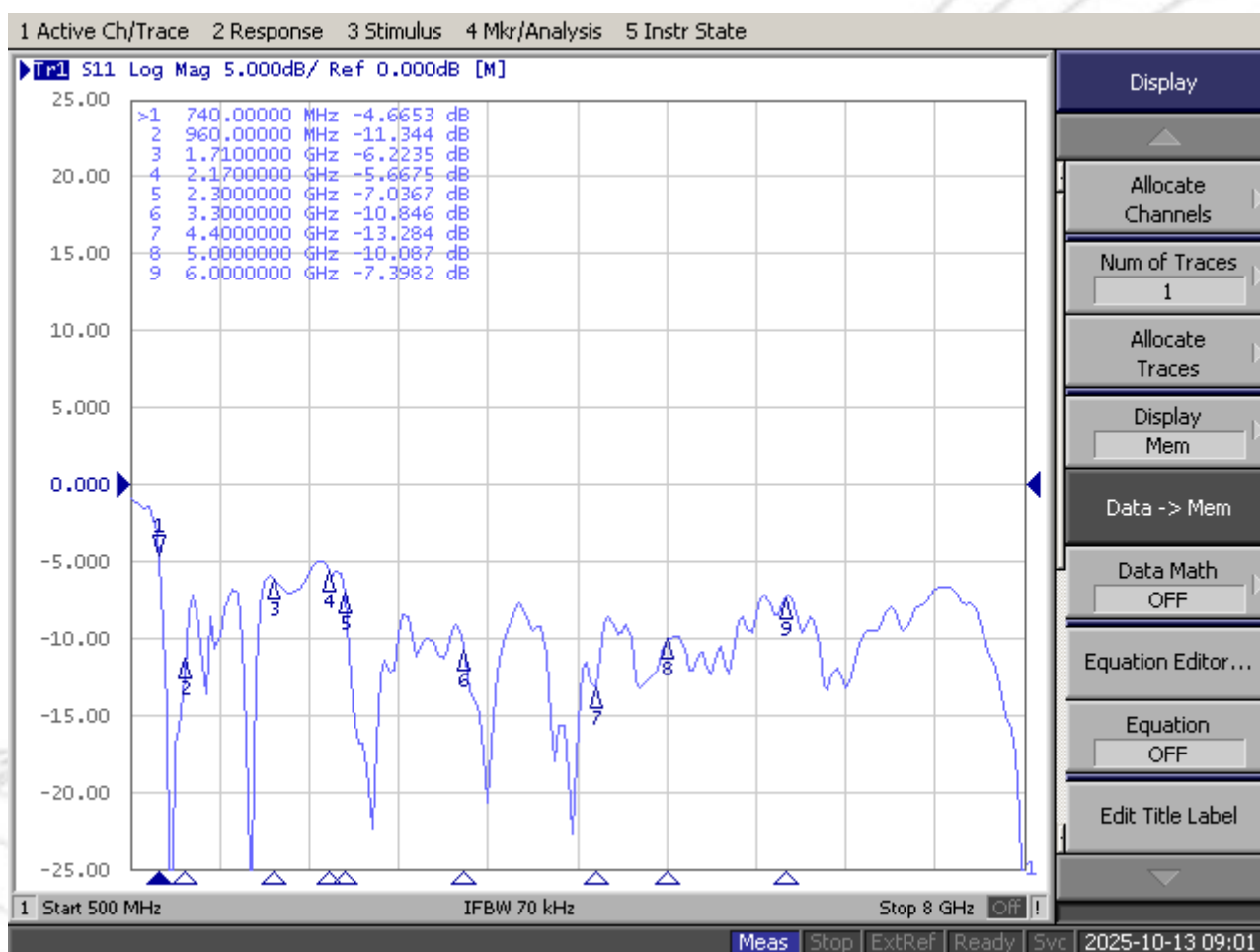
Measured Reflection Coefficient S77



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Measured Reflection Coefficient S88



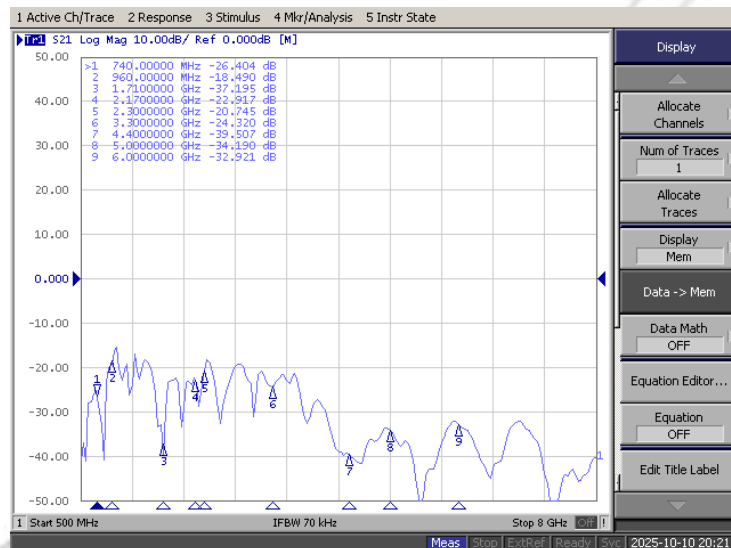
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AN.AG50.8Cell.6000.30-LL

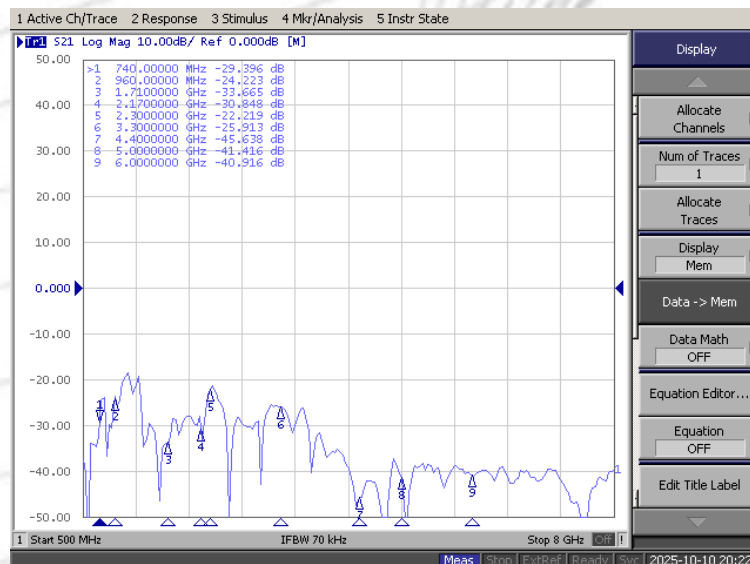
Isolation

Isolation between Antenna 1/Cable 1 to Other Antennas/Cables

S21



S31



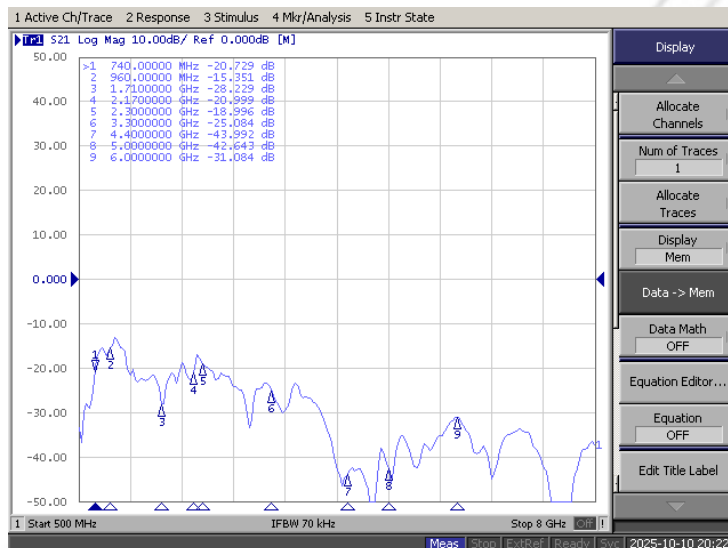
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AN.AG50.8Cell.6000.30-LL

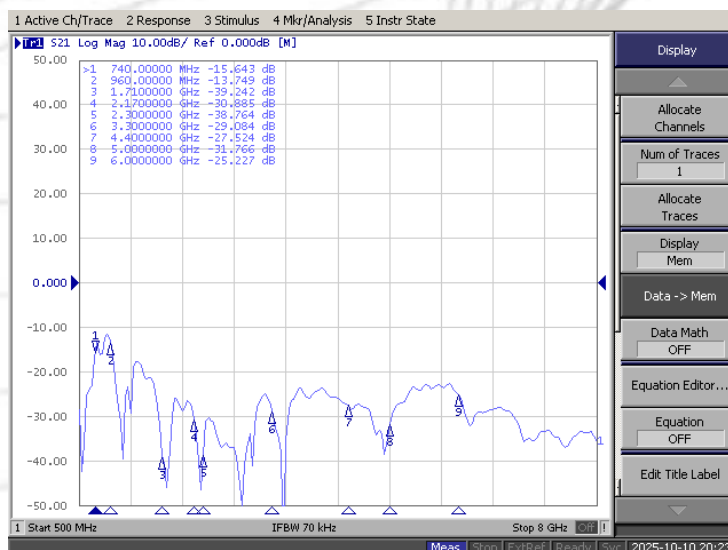
Isolation

Isolation between Antenna 1/Cable 1 to Other Antennas/Cables

S41



S51



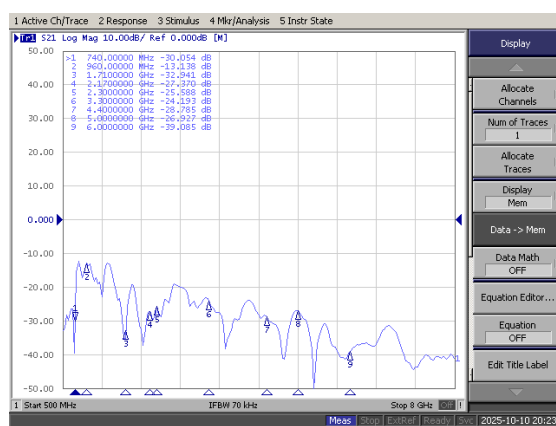
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AN.AG50.8Cell.6000.30-LL

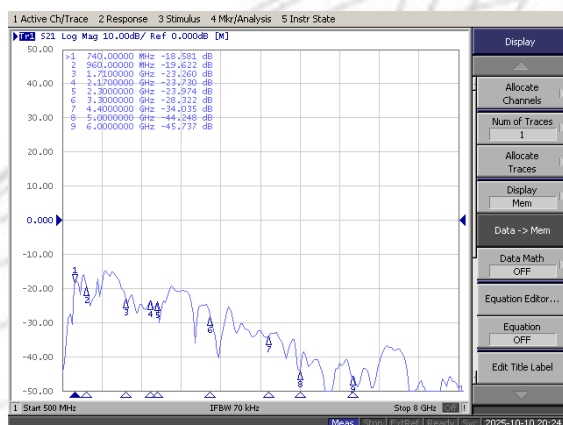
Isolation

Isolation between Antenna 1/Cable 1 to Other Antennas/Cables

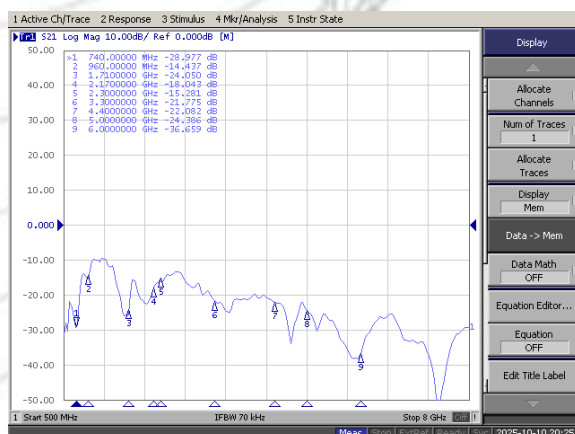
S61



S71



S81



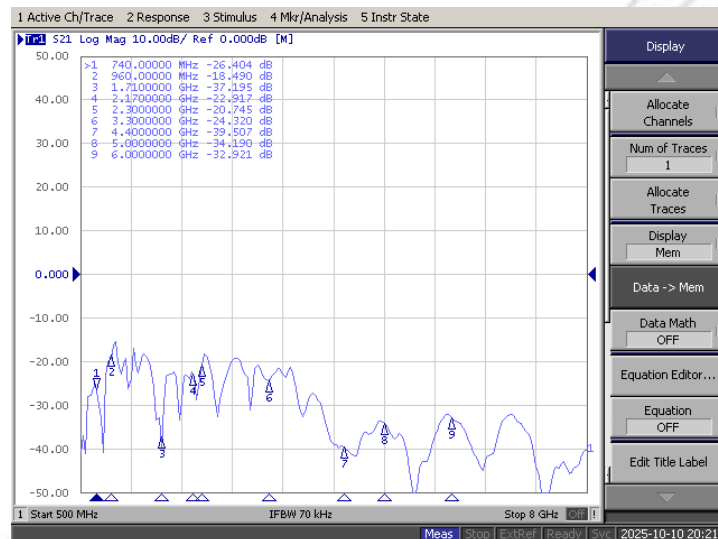
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AN.AG50.8Cell.6000.30-LL

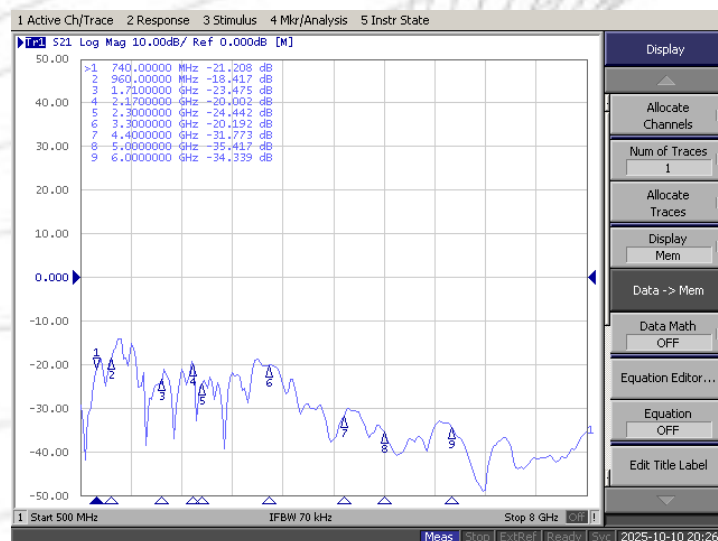
Isolation

Isolation between Antenna 2/Cable 2 to Other Antennas/Cables

S12



S32



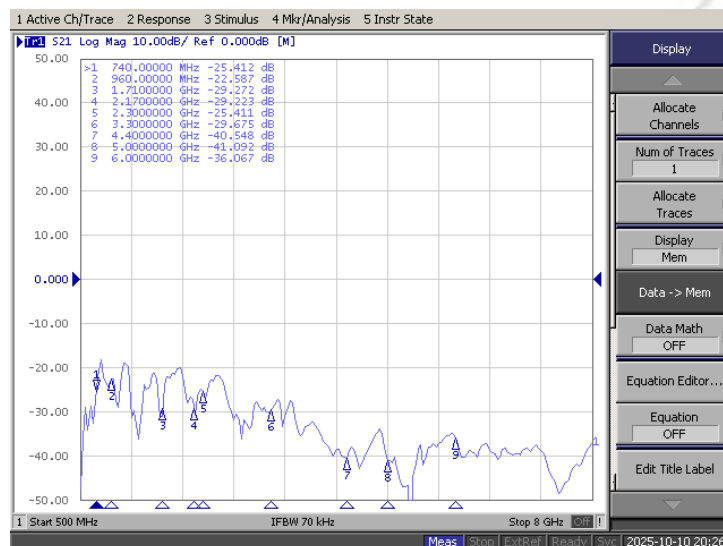
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AN.AG50.8Cell.6000.30-LL

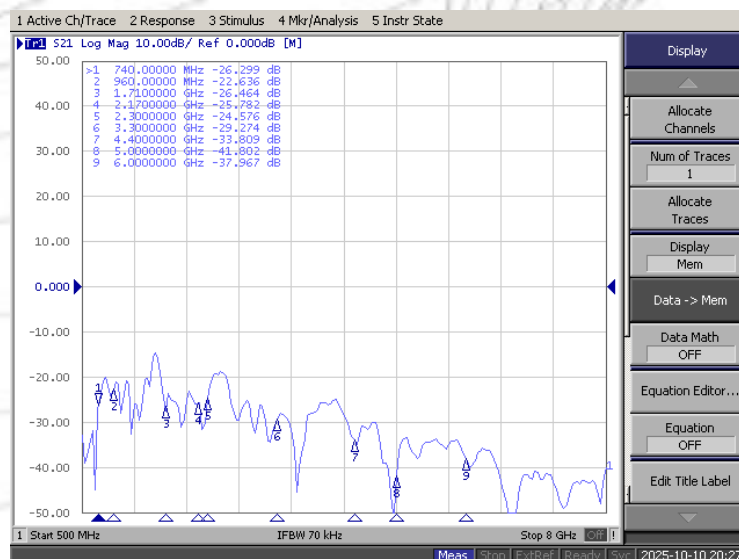
Isolation

Isolation between Antenna 2/Cable 2 to Other Antennas/Cables

S42



S52



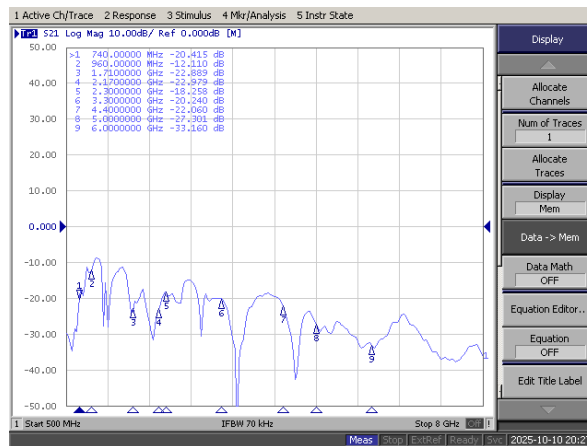
Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Isolation

Isolation between Antenna 2/Cable 2 to Other Antennas/Cables

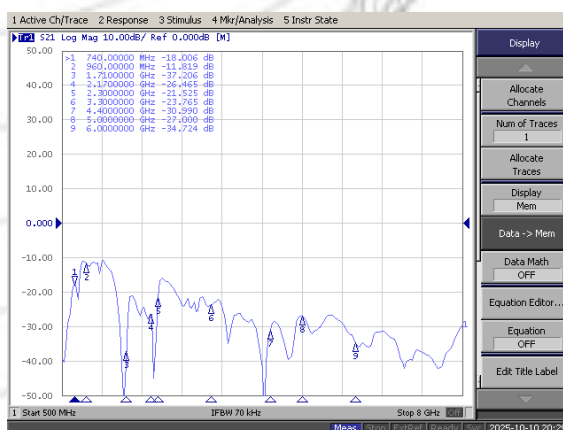
S62



S72



S82



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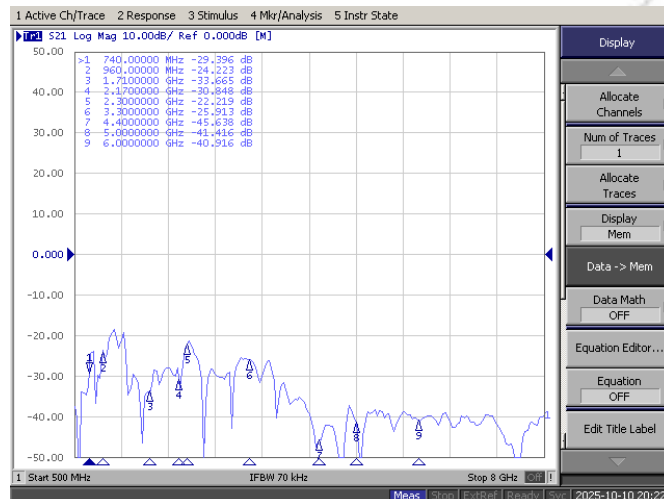
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AN.AG50.8Cell.6000.30-LL

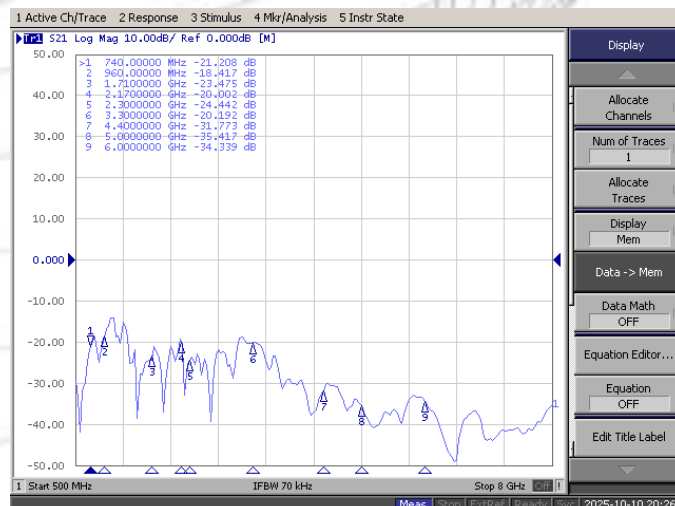
Isolation

Isolation between Antenna 3/Cable 3 to Other Antennas/Cables

S13



S23



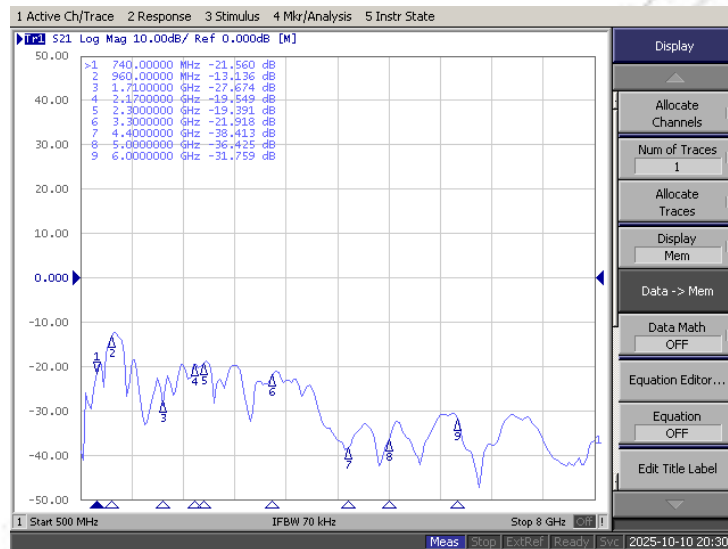
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AN.AG50.8Cell.6000.30-LL

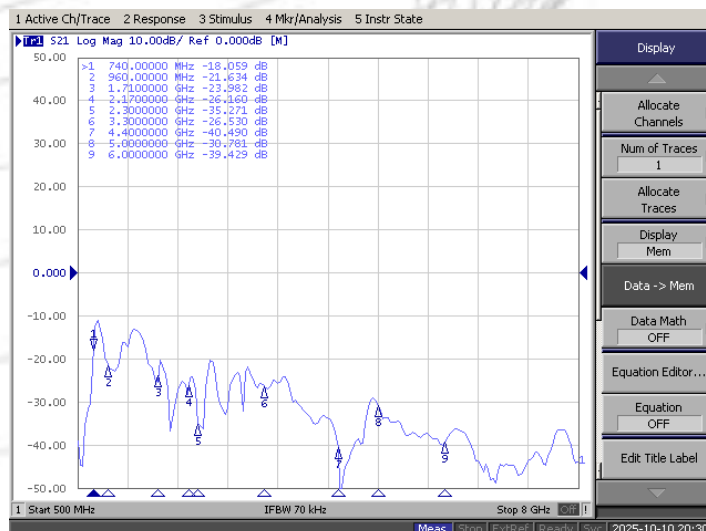
Isolation

Isolation between Antenna 3/Cable 3 to Other Antennas/Cables

S43



S53



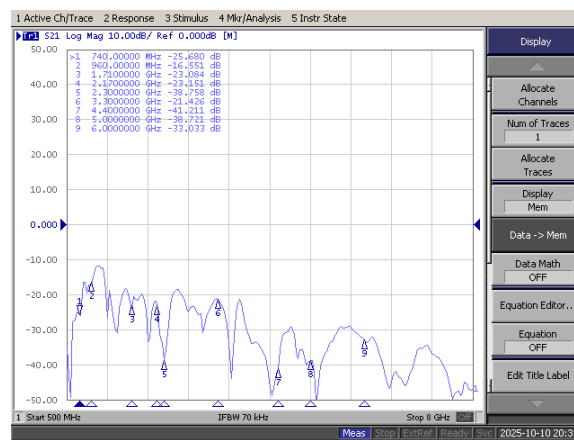
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AN.AG50.8Cell.6000.30-LL

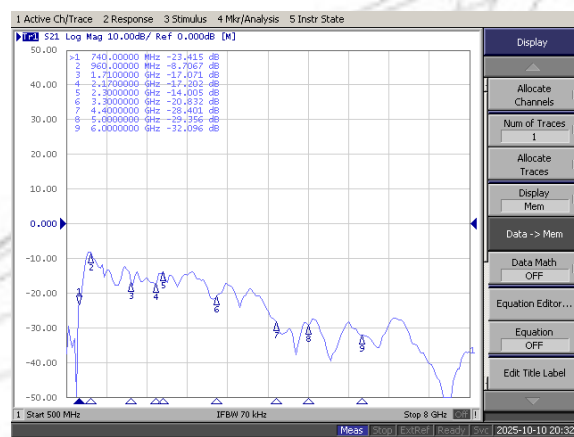
Isolation

Isolation between Antenna 3/Cable 3 to Other Antennas/Cables

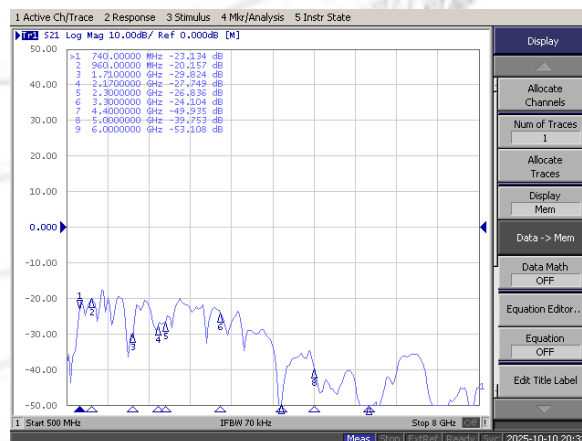
S63



S73



S83



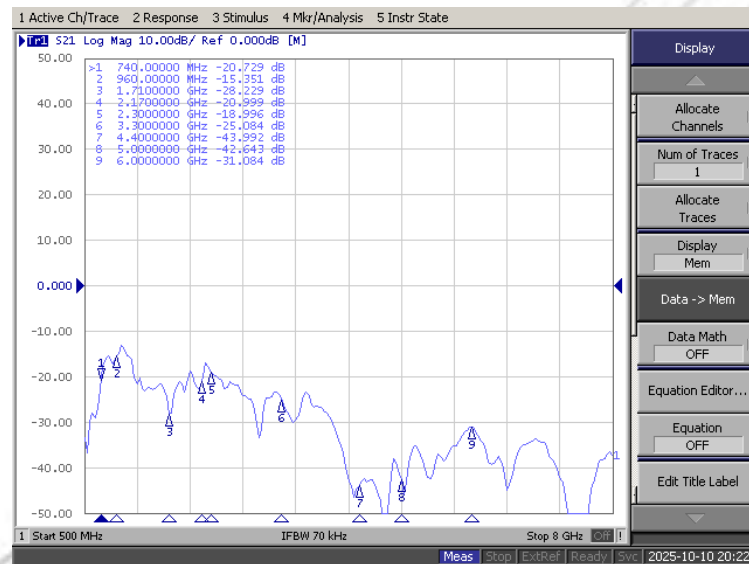
Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

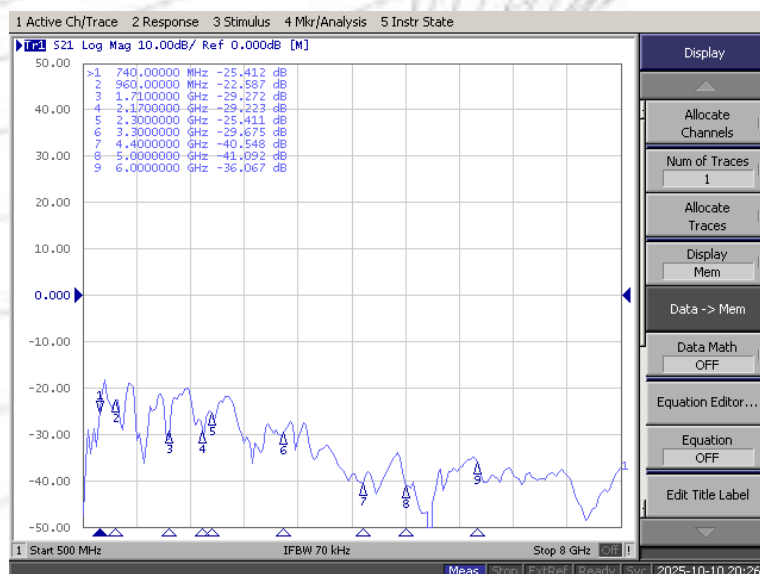
Isolation

Isolation between Antenna 4/Cable 4 to Other Antennas/Cables

S14



S24



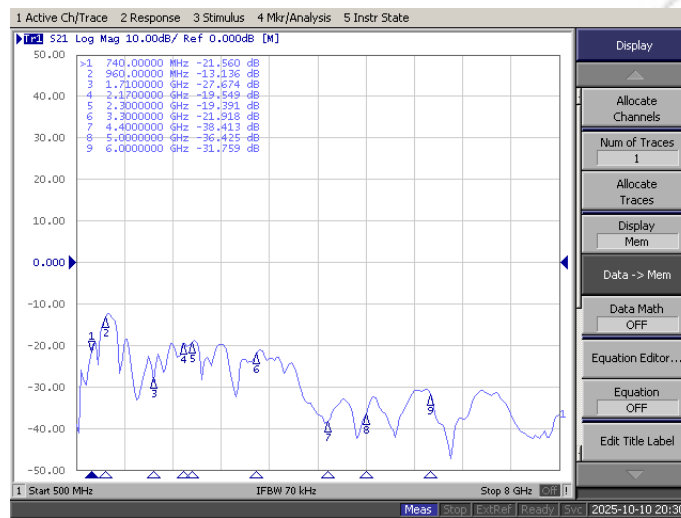
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AN.AG50.8Cell.6000.30-LL

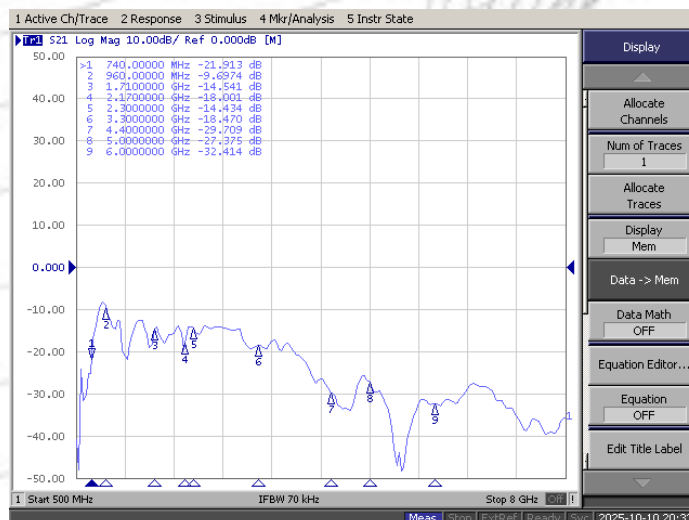
Isolation

Isolation between Antenna 4/Cable 4 to Other Antennas/Cables

S34



S54



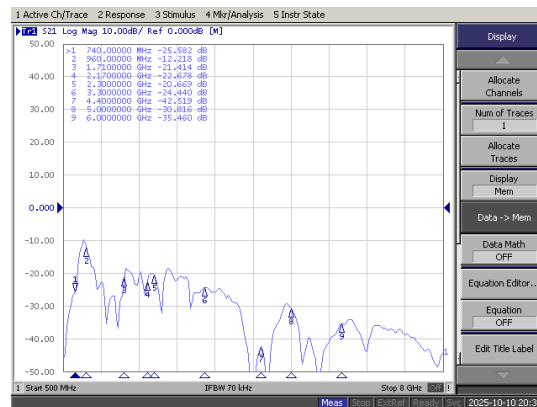
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AN.AG50.8Cell.6000.30-LL

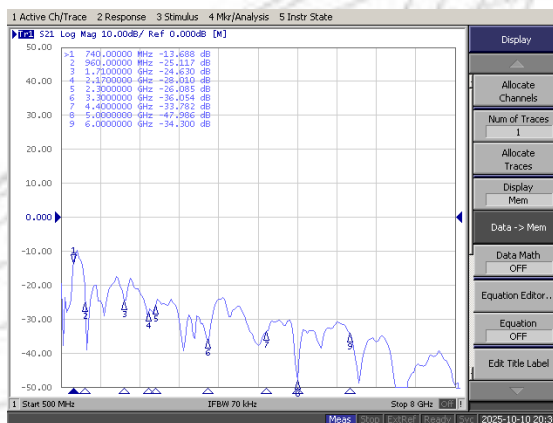
Isolation

Isolation between Antenna 4/Cable 4 to Other Antennas/Cables

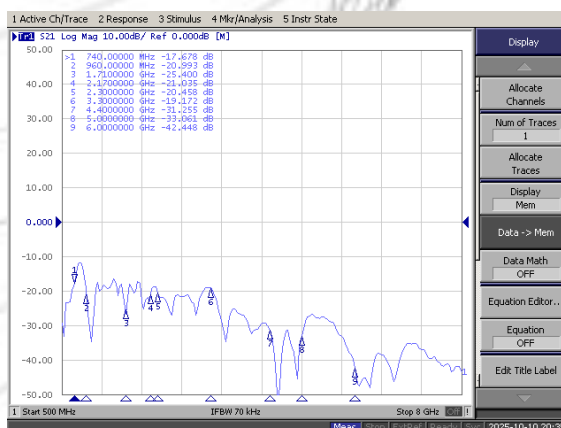
S64



S74



S84



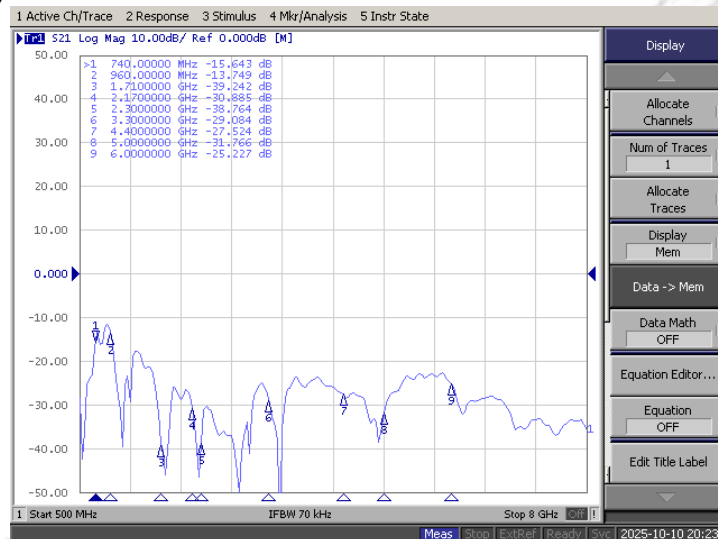
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AN.AG50.8Cell.6000.30-LL

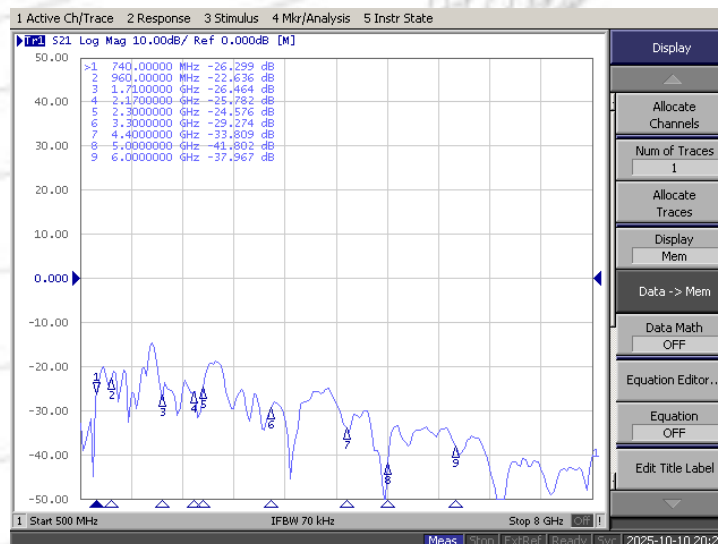
Isolation

Isolation between Antenna 5/Cable 5 to Other Antennas/Cables

S15



S25



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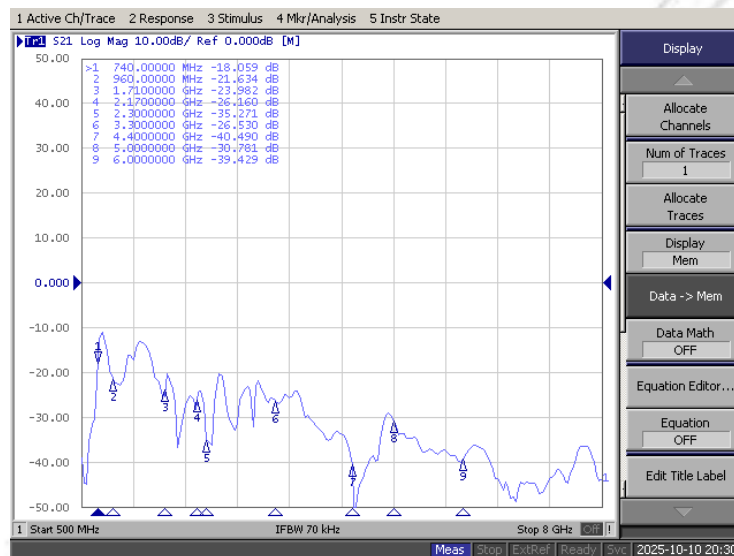
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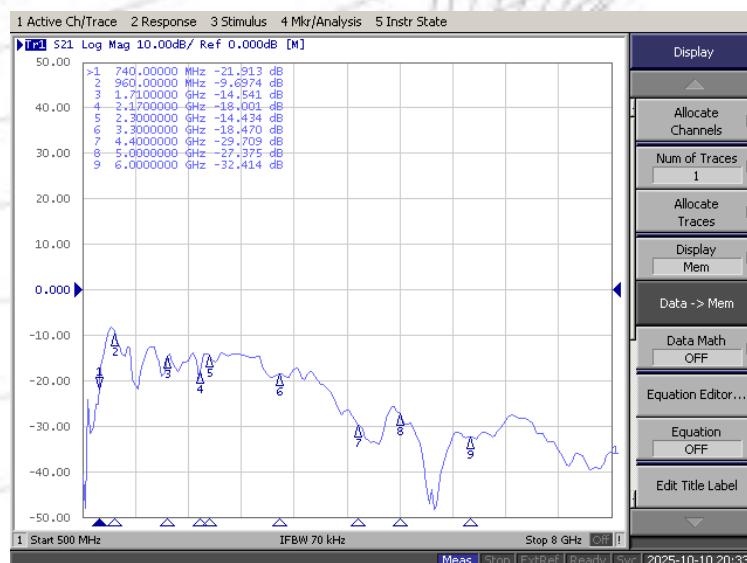
Isolation

Isolation between Antenna 5/Cable 5 to Other Antennas/Cables

S35



S45



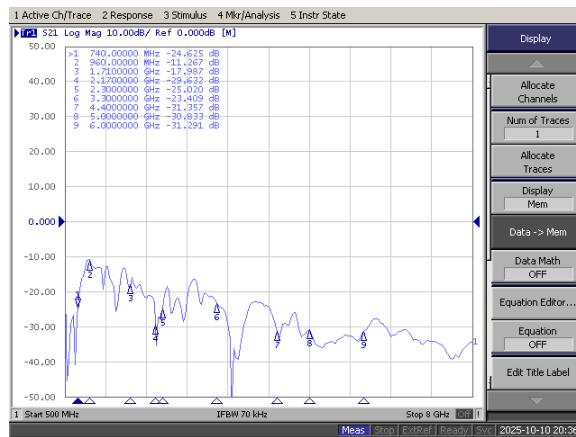
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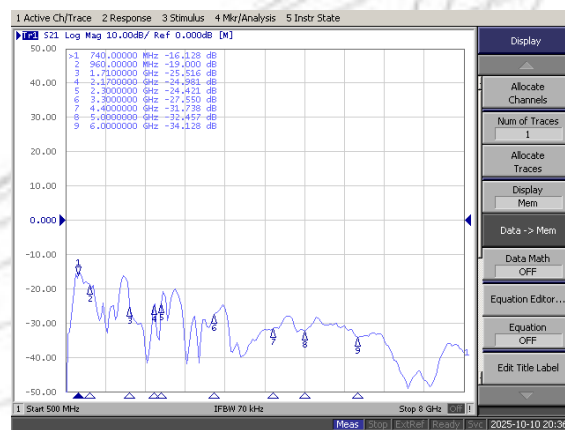
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Isolation between Antenna 5/Cable 5 to Other Antennas/Cables

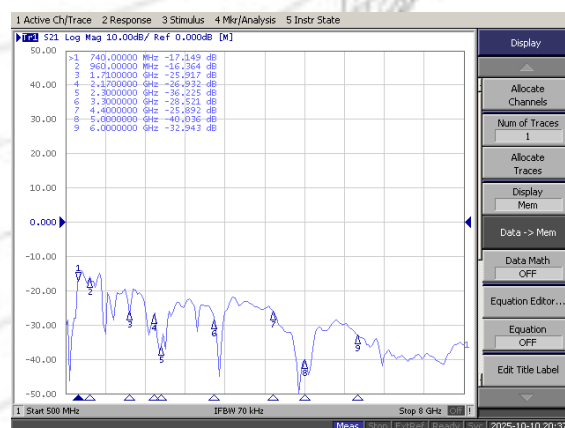
S65



S75



S85



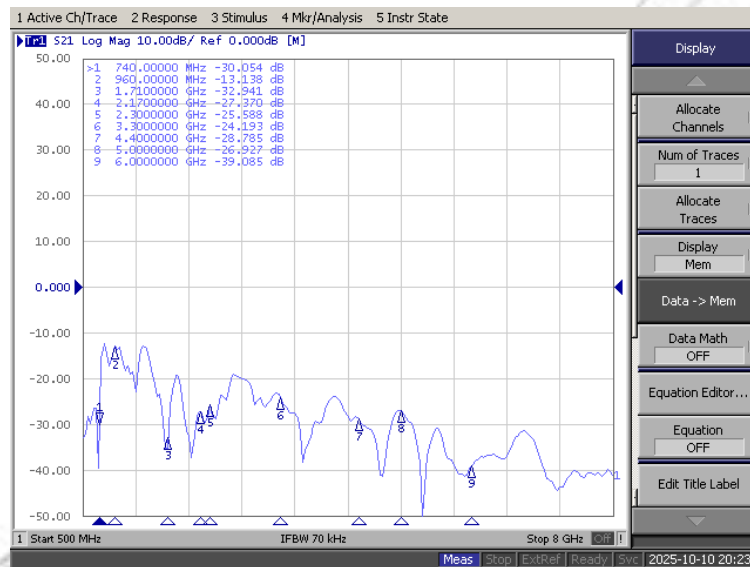
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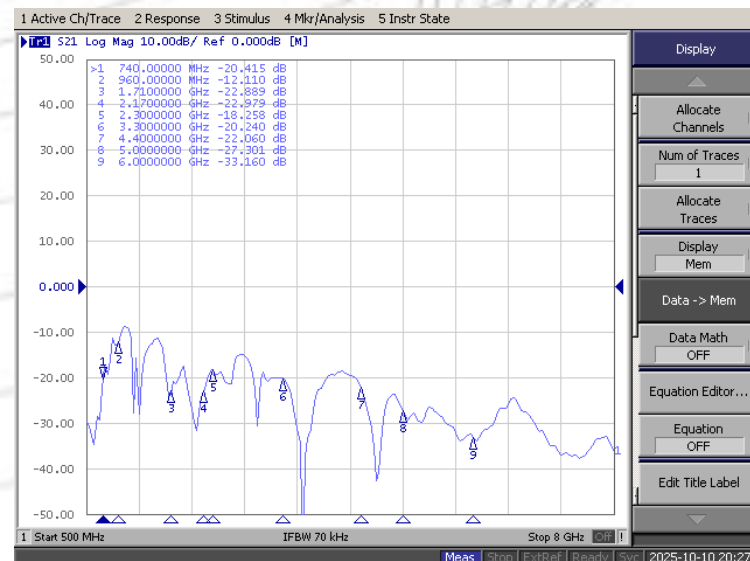
Isolation

Isolation between Antenna 6/Cable 6 to Other Antennas/Cables

S16



S26



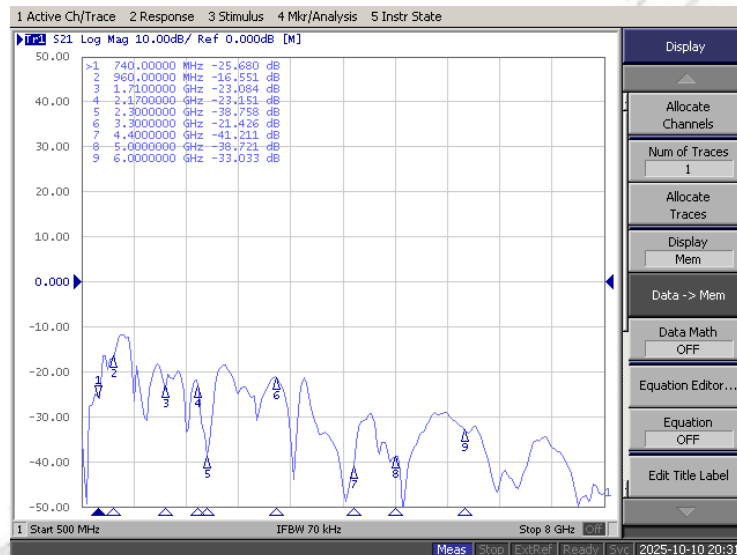
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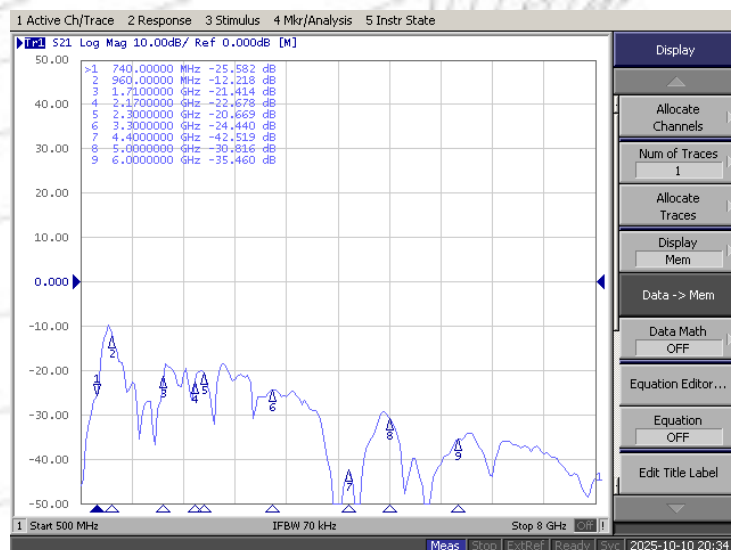
Isolation

Isolation between Antenna 6/Cable 6 to Other Antennas/Cables

S36



S46



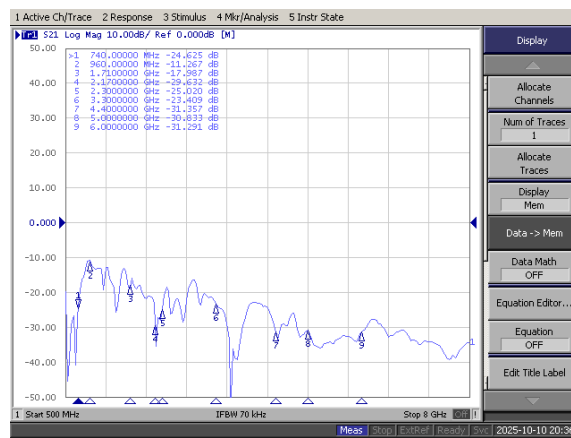
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AN.AG50.8Cell.6000.30-LL

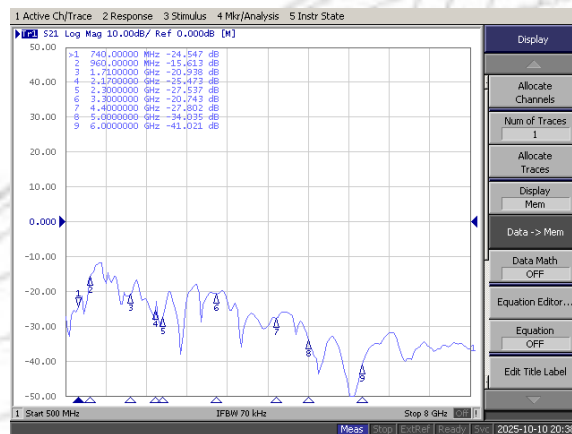
Isolation

Isolation between Antenna 6/Cable 6 to Other Antennas/Cables

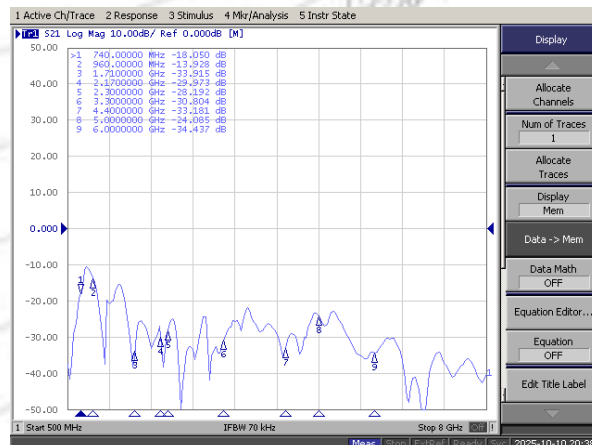
S56



S76



S86



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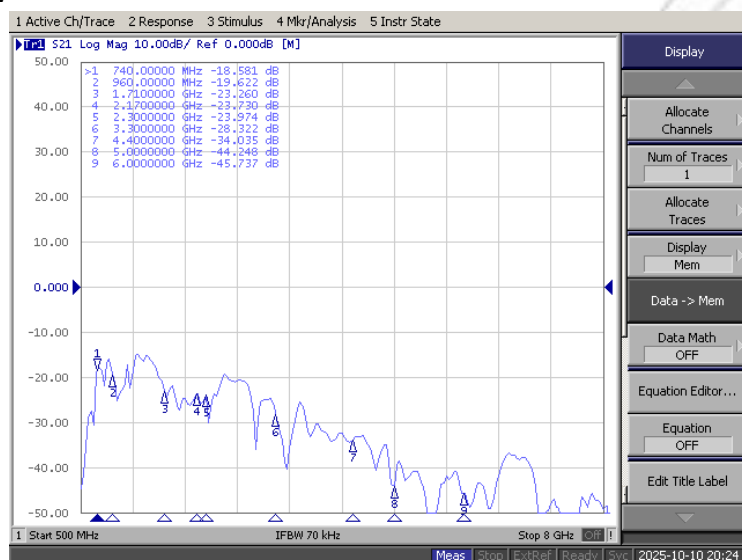
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AN.AG50.8Cell.6000.30-LL

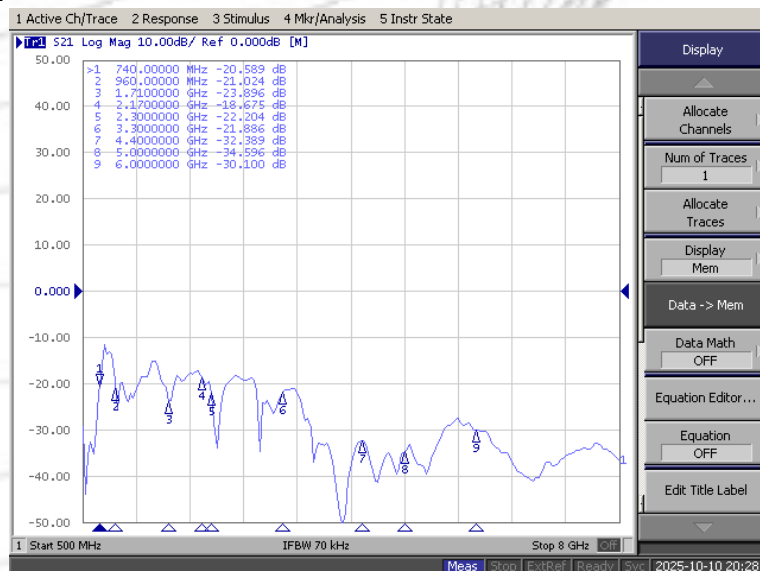
Isolation

Isolation between Antenna 7/Cable 7 to Other Antennas/Cables

S17



S27



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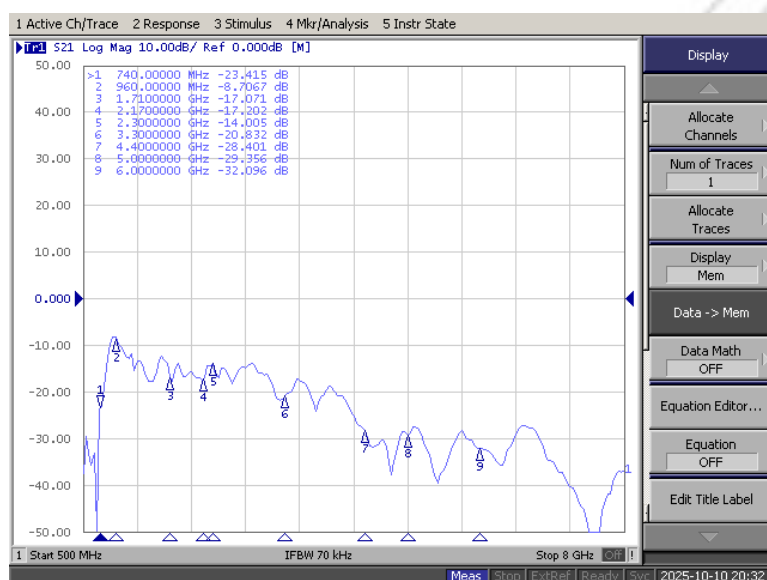
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AN.AG50.8Cell.6000.30-LL

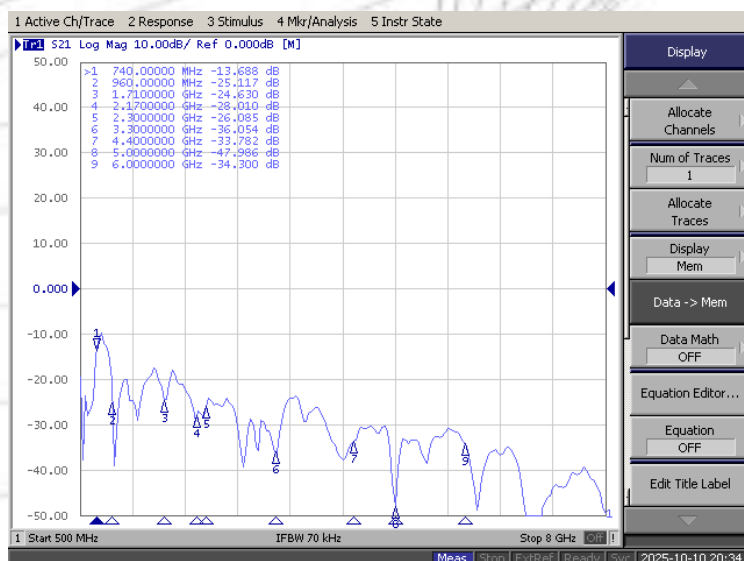
Isolation

Isolation between Antenna 7/Cable 7 to Other Antennas/Cables

S37



S47



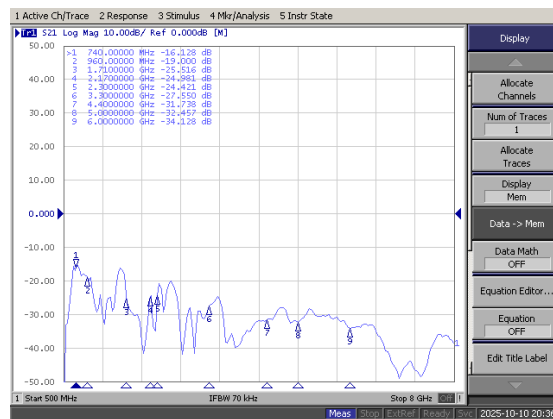
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AN.AG50.8Cell.6000.30-LL

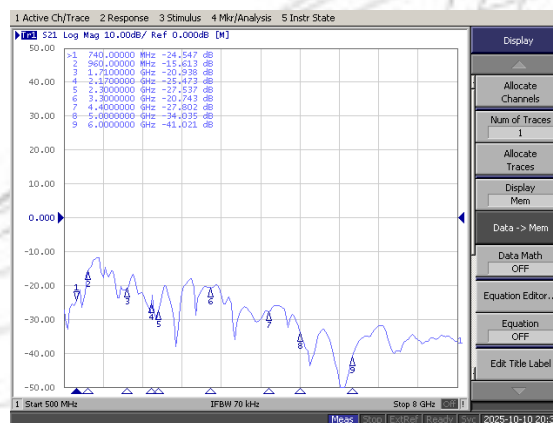
Isolation

Isolation between Antenna 7/Cable 7 to Other Antennas/Cables

S57



S67



S87



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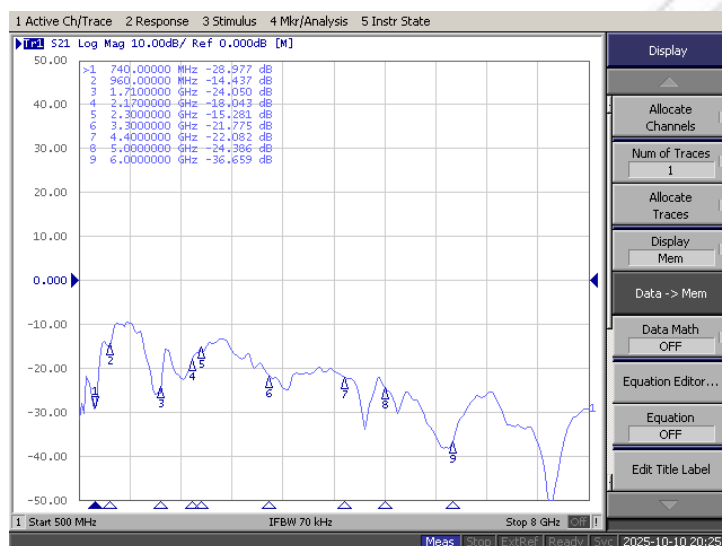
Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

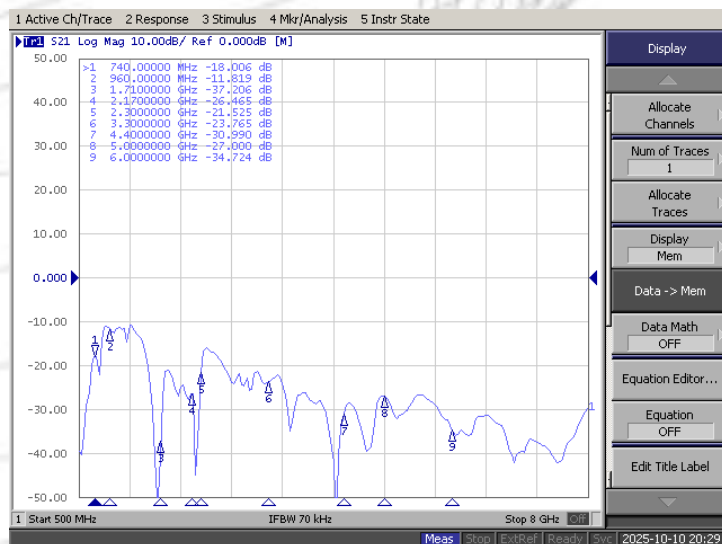
Isolation

Isolation between Antenna 8/Cable 8 to Other Antennas/Cables

S18



S28



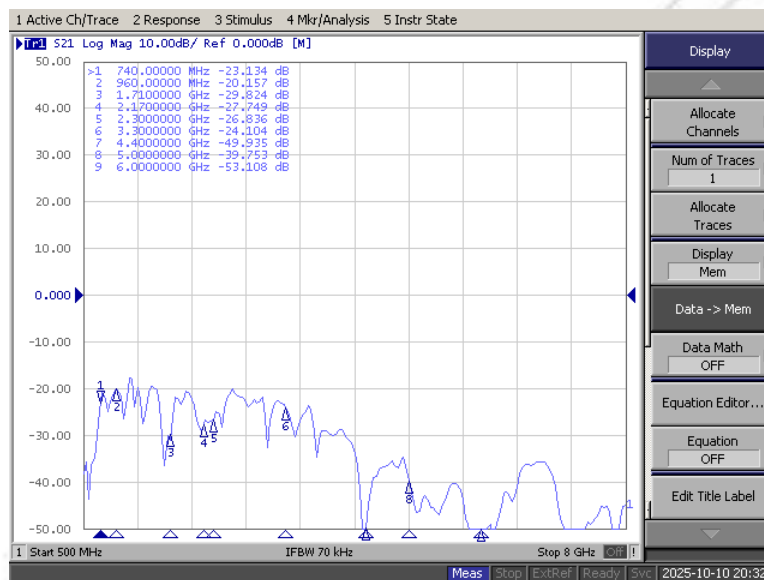
Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

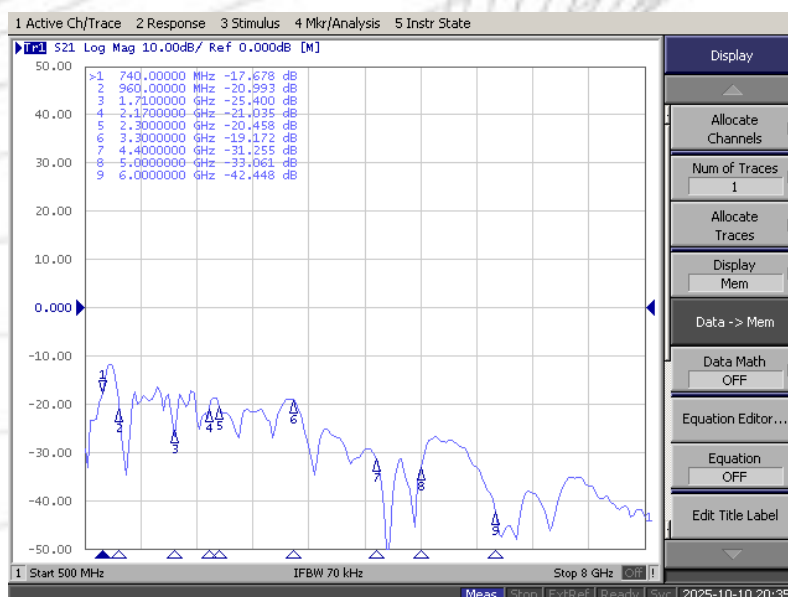
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Isolation between Antenna 8/Cable 8 to Other Antennas/Cables

S38



S48



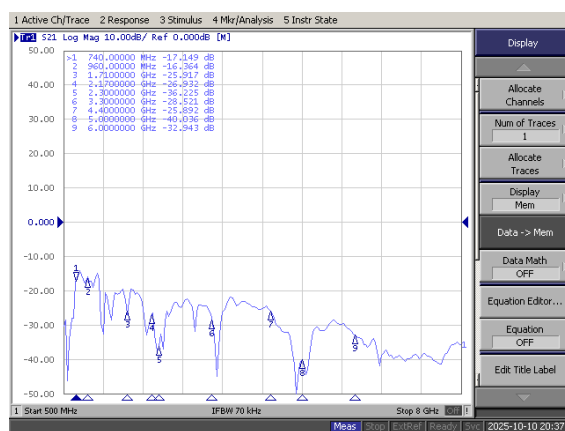
Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

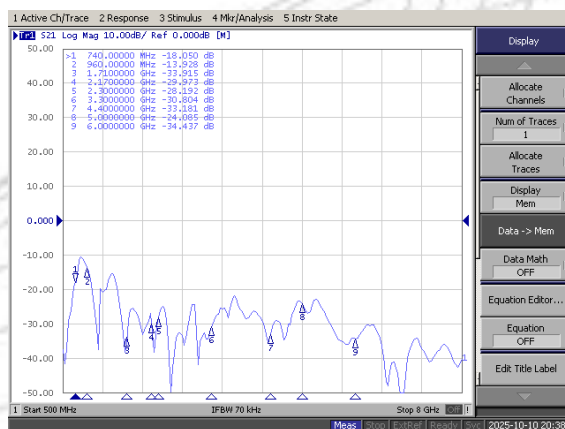
Isolation

Isolation between Antenna 8/Cable 8 to Other Antennas/Cables

S58



S68



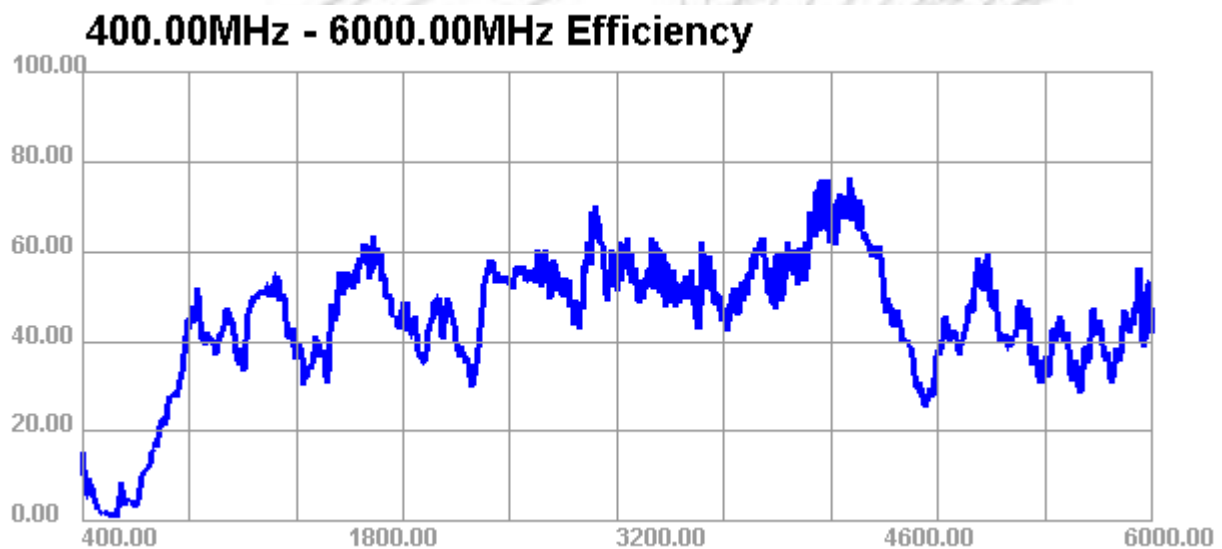
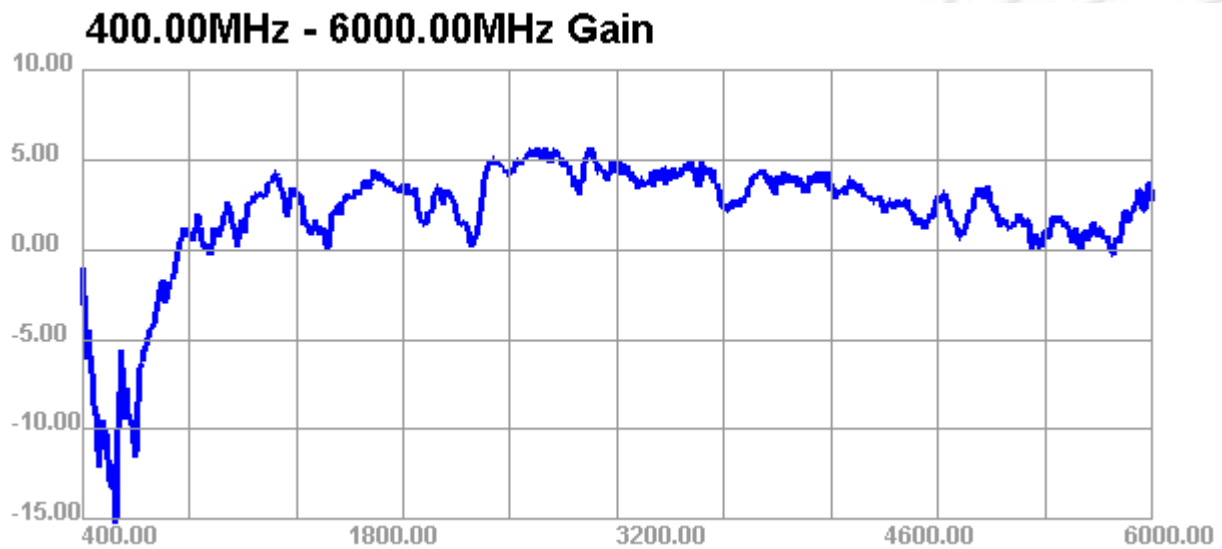
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Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

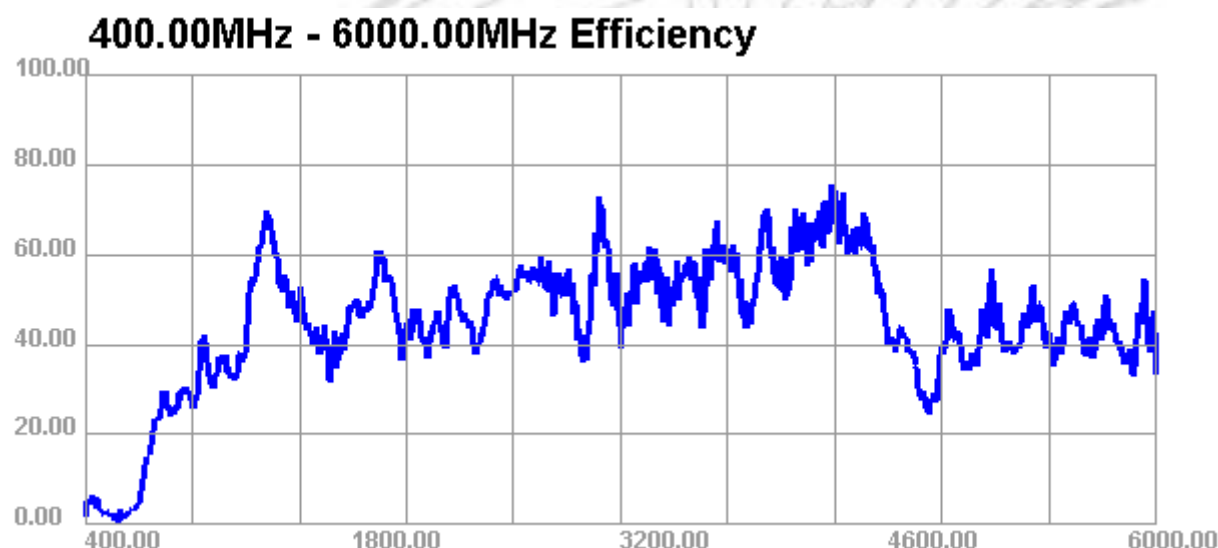
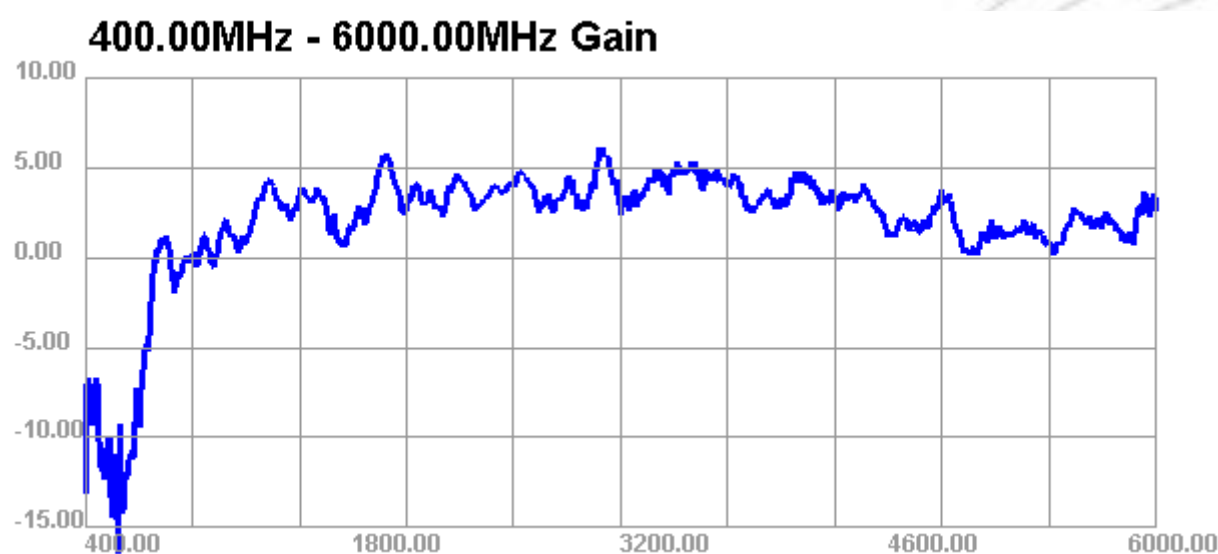
Measurement Gain Performance Antenna 1/Cable 1



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

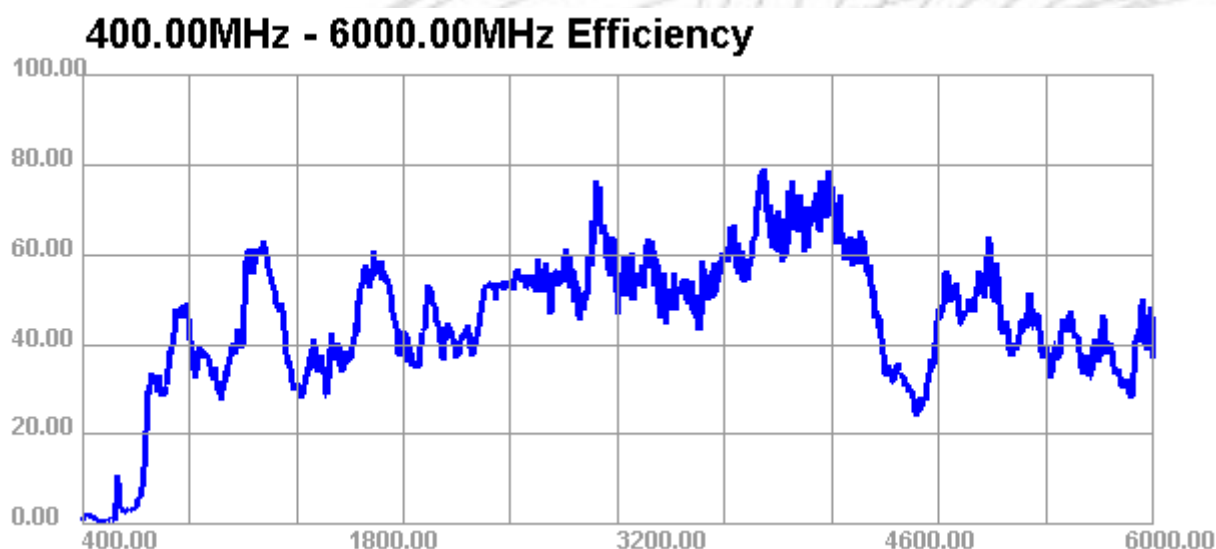
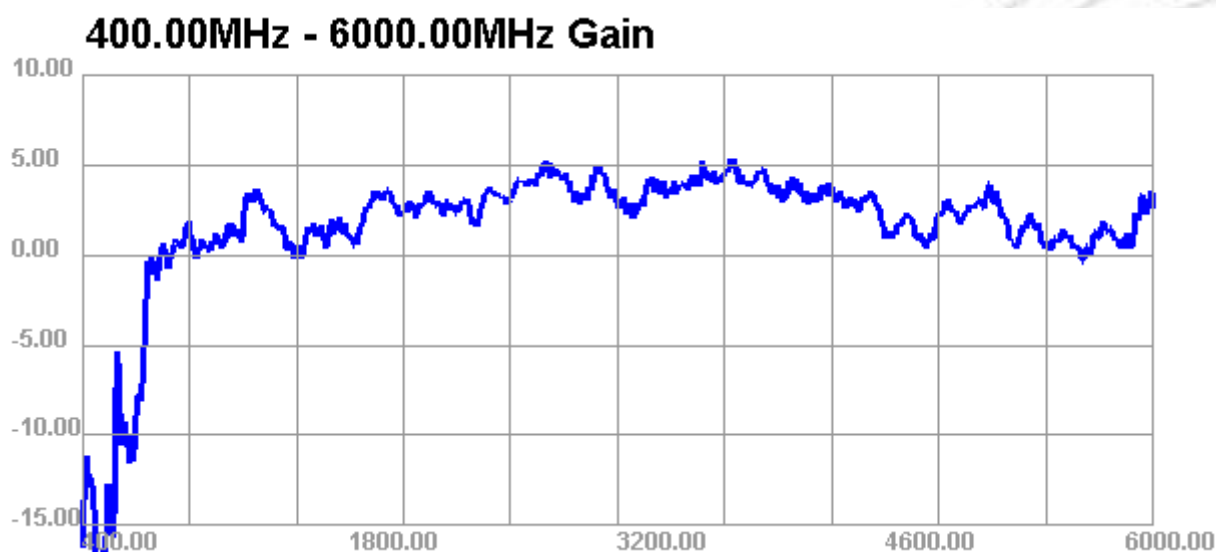
Measurement Gain Performance Antenna 2/Cable 2



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Measurement Gain Performance Antenna 3/Cable 3

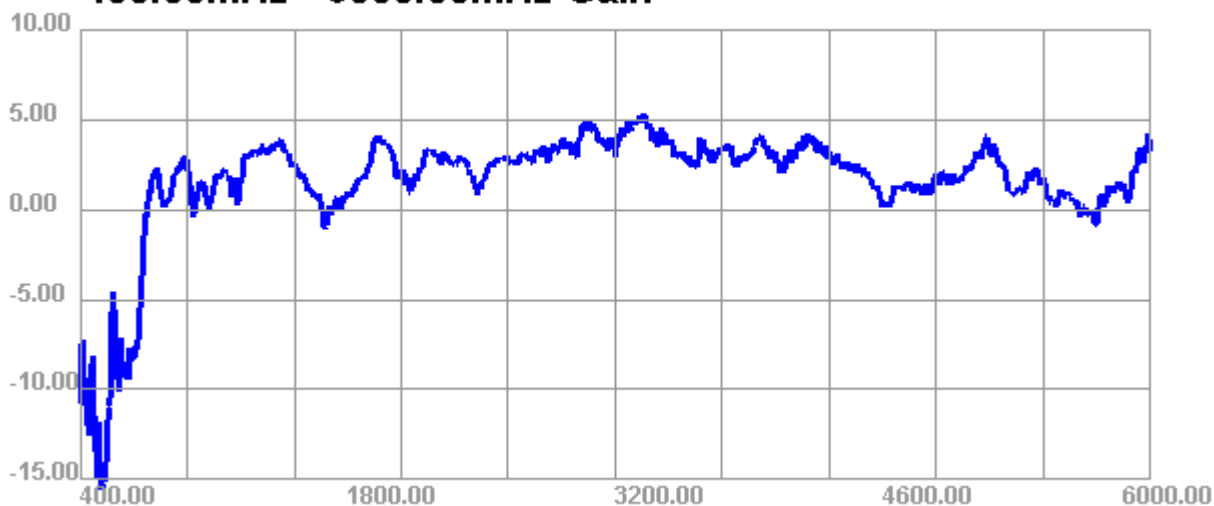


Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

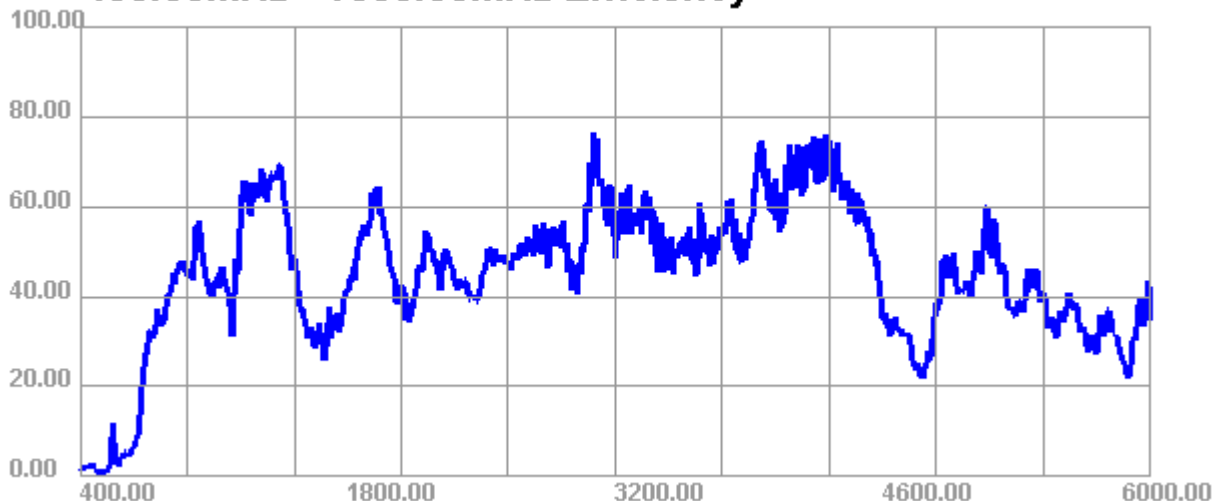
AN.AG50.8Cell.6000.30-LL

Measurement Gain Performance Antenna 4/Cable 4

400.00MHz - 6000.00MHz Gain



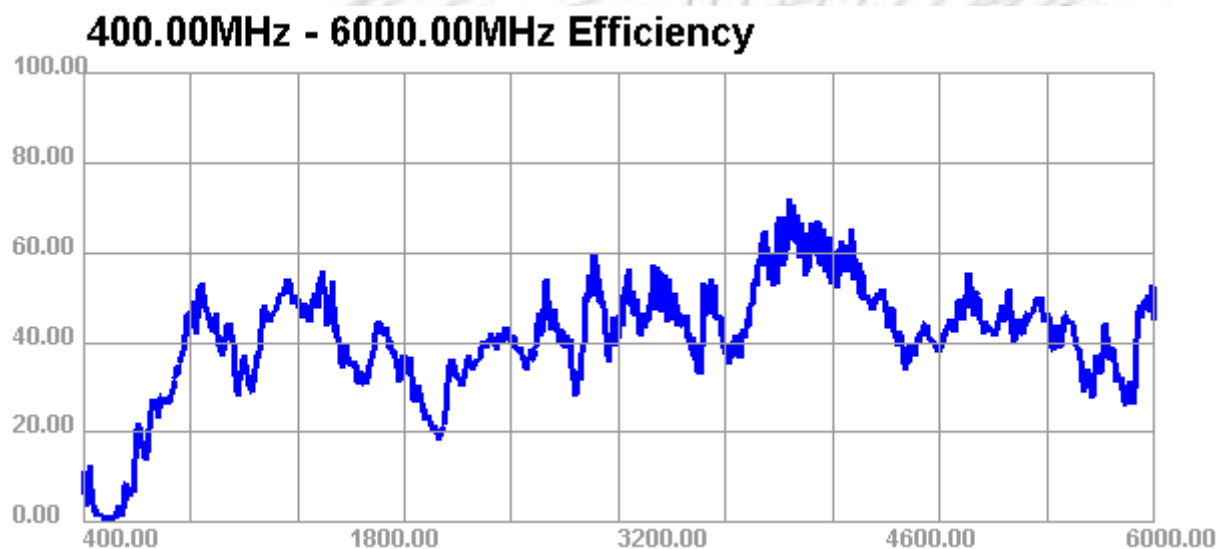
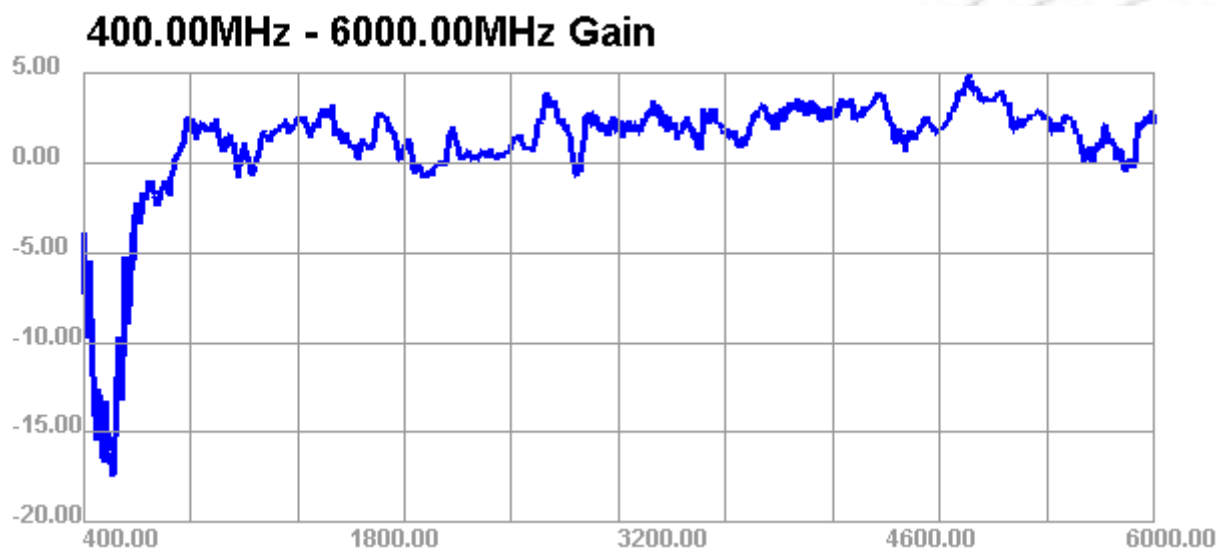
400.00MHz - 6000.00MHz Efficiency



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

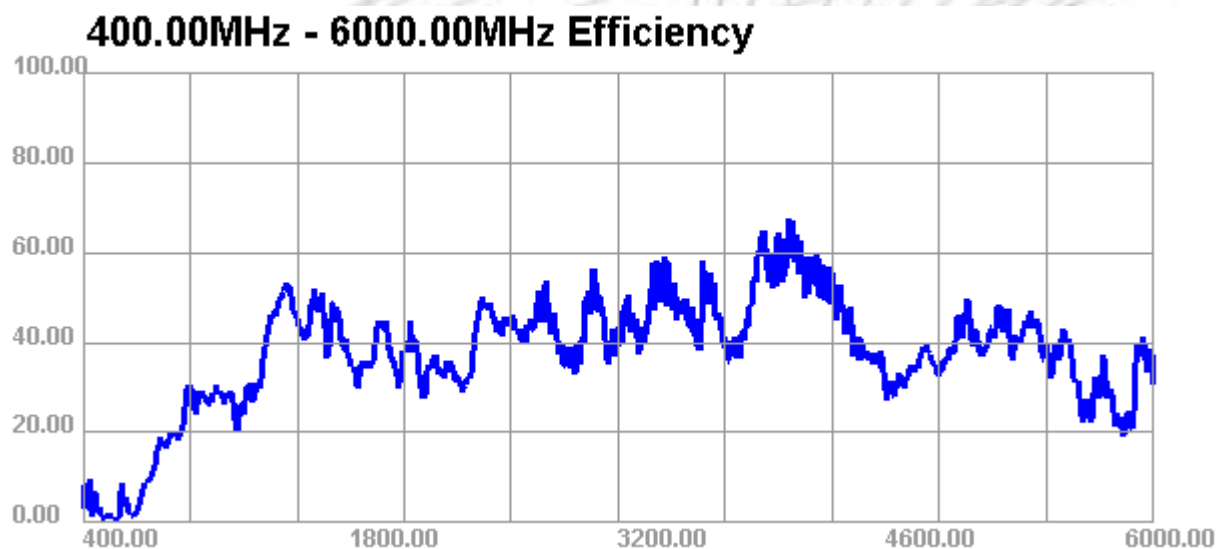
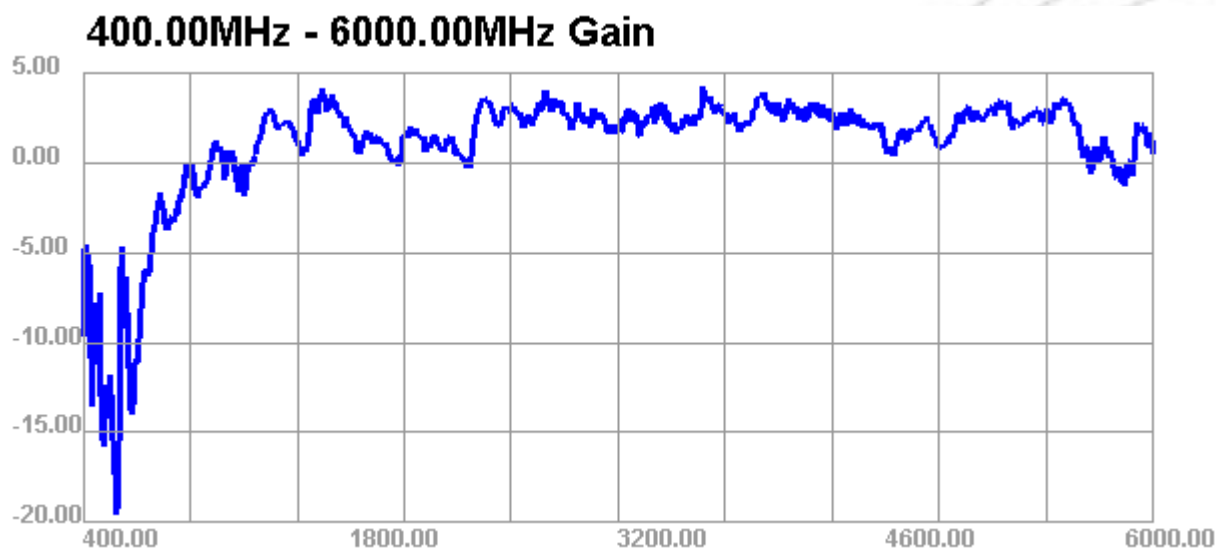
Measurement Gain Performance Antenna 5/Cable 5



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Measurement Gain Performance Antenna 6/Cable 6

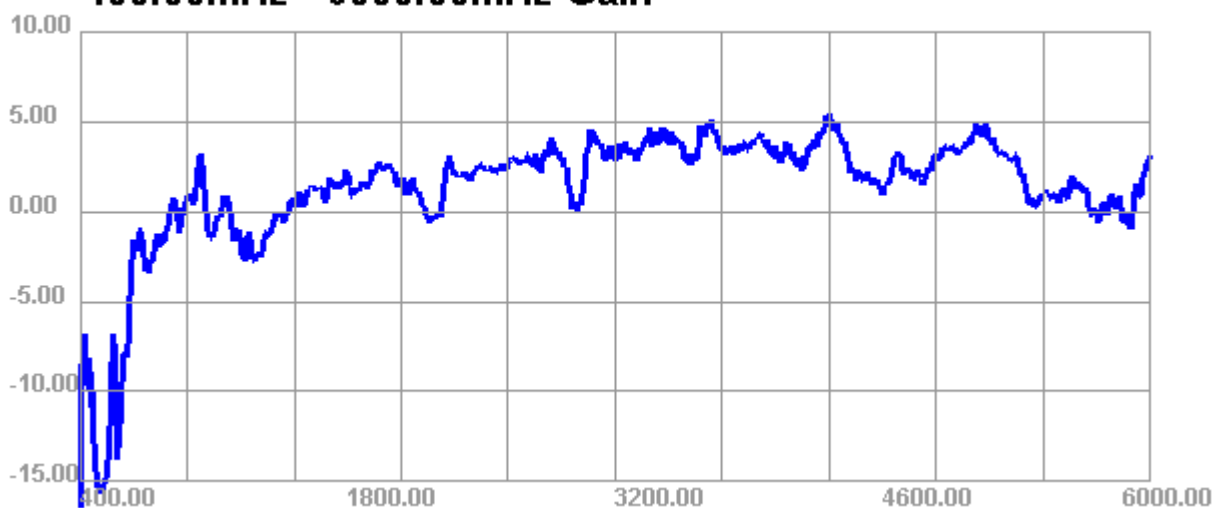


Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

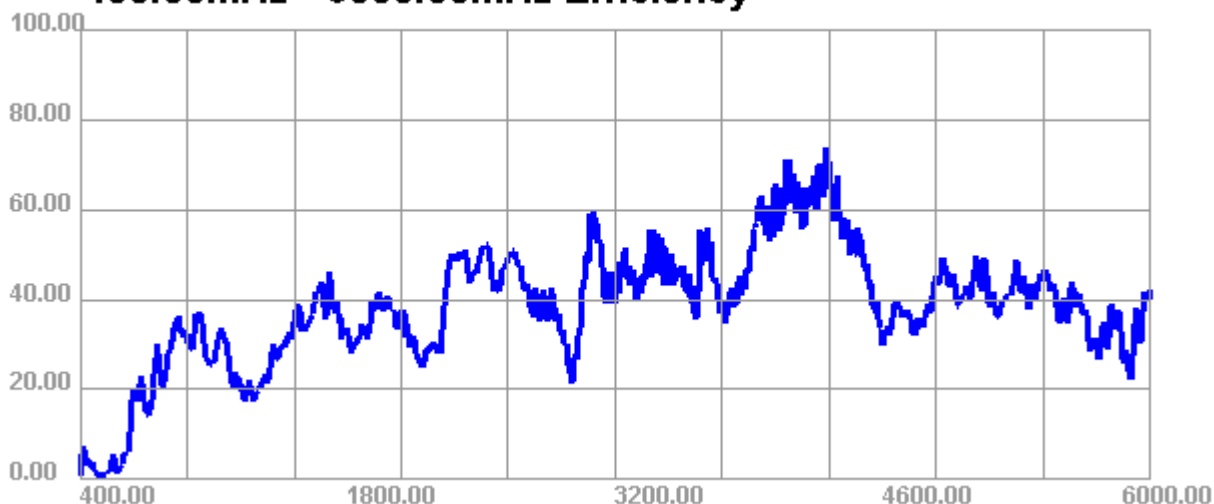
AN.AG50.8Cell.6000.30-LL

Measurement Gain Performance Antenna 7/Cable 7

400.00MHz - 6000.00MHz Gain



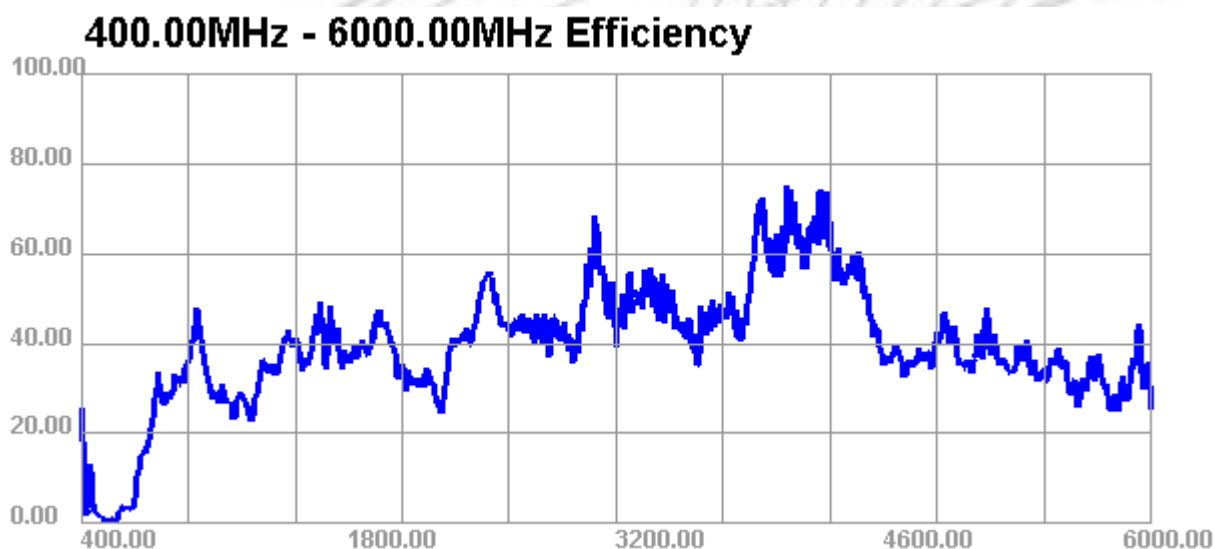
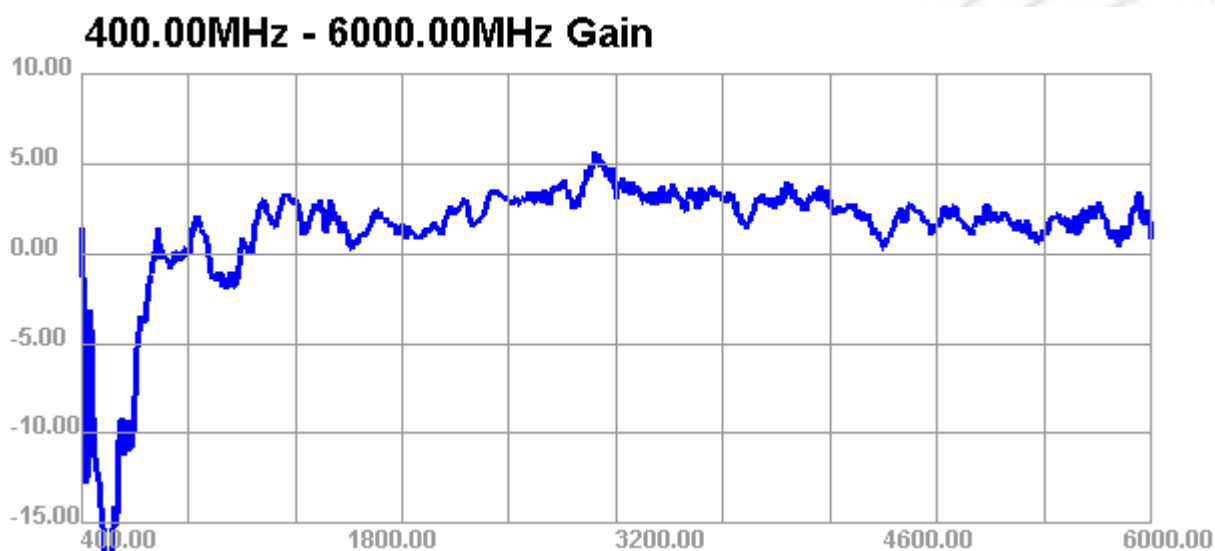
400.00MHz - 6000.00MHz Efficiency



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Measurement Gain Performance Antenna 8/Cable 8



Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 1/Cable 1

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	12.12	-4.83
745	11.96	-4.86
750	12.21	-4.69
755	13.05	-4.5
760	13.76	-4.33
765	15.2	-4.31
770	16.13	-4.27
775	16.31	-4.16
780	16.72	-3.98
785	17.96	-3.56
790	17.77	-3.29
795	16.61	-3.34
800	20.96	-2.35
805	21.4	-2.26
810	21.46	-2.07
815	21.97	-1.86
820	22.84	-1.72
825	21.57	-2.44
830	21.4	-2.94
835	23.39	-2.38
840	22.81	-2.81
845	24.18	-2.63
850	26.4	-2.12
855	26.86	-2.1
860	28.09	-1.77
865	27.43	-1.66
870	27.57	-1.64
875	28.13	-1.57
880	27.73	-1.44
885	28.85	-0.89
890	28.96	-0.73
895	27.93	-0.54
900	29.29	-0.14

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	29.63	0.1
910	29.97	0.17
915	33.17	0.68
920	33.2	0.59
925	33.69	0.78
930	37.25	1.18
935	37.71	0.9
940	40.03	1.04
945	42.02	1.23
950	42.29	0.98
1000	48.27	1.44
1050	40.08	-0.13
1100	37.07	0.82
1150	46.86	2.19
1200	41.7	1.13
1250	34.25	0.92
1300	50.38	3.05
1350	51.22	2.94
1400	51.47	4.03
1450	50.4	3.21
1500	43.07	3.48
1550	37.2	2.61
1600	34.34	0.91
1650	38.12	1.17
1700	46.94	1.48
1750	53.62	1.95
1800	55.24	3.04
1850	56.09	3.11
1900	55.75	3.44
1950	58	4.03

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 1/Cable 1

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2000	50.52	3.65
2050	45.15	3.42
2100	48.71	3.6
2150	41.16	2.79
2200	37.4	1.45
2250	49.31	3.28
2300	47.92	3.36
2350	42.93	2.44
2400	37.05	1.56
2450	32.13	0.53
2500	50.81	3.5
2550	57.68	5.09
2600	53.06	4.54
2650	51.73	4.28
2700	55.61	4.83
2750	54.05	5.39
2800	51.98	5.05
2850	49.33	4.78
2900	53.22	5.2
2950	51.27	4.52
3000	42.78	3.11
3050	60.51	5.53
3100	64.51	4.34
3150	52.29	4.19
3200	51.39	4.27
3250	63.23	4.7
3300	53.38	3.7
3350	54.3	3.67
3400	55.95	3.98

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3450	47.7	3.59
3500	53.17	4.4
3550	51.42	4.42
3600	49.65	4.35
3650	54.47	4.22
3700	56.07	4.49
3750	47.08	2.54
3800	46.94	2.3
3850	53.01	2.89
3900	54.05	3.58
3950	62.38	4.35
4000	53.1	3.79
4050	55.83	4.01
4100	56.83	3.76
4150	57.03	3.87
4200	57.04	3.35
4250	68.76	3.99
4300	76	4.29
4350	64.94	3.01
4400	72.7	3.56
4450	69.71	3.49
4500	63.58	3.06
4550	59.43	2.68
4600	48.4	2.05
4650	44.99	2.43
4700	40.89	2.61
4750	36.09	1.97
4800	27.5	1.42

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 1/Cable 1

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
4850	27.63	1.73
4900	38.6	2.71
4950	40.93	1.72
5000	39.9	0.84
5000	39.9	0.84
5050	48.53	2.25
5100	56.05	3.31
5150	51.92	2.86
5200	41.45	1.48
5250	38.67	1.24
5300	47.3	2.01
5350	47.43	1.69
5400	33.77	0.35
5450	33.55	0.76
5500	40.82	1.57
5550	42.2	1.41
5600	35.62	1.23
5650	39.04	1.08
5700	43.96	1.23
5750	36.25	0.6
5800	33.35	0.22
5850	46.17	1.98
5900	43.69	2.16
5950	40.44	2.26
6000	41.59	2.69

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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Appendix : Measured Gain Performances Table

Antenna 2/Cable 2

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	16.63	-3.16
745	18	-2.35
750	18.22	-1.72
755	20.9	-0.93
760	23.18	-0.14
765	22.95	-0.33
770	23	-0.06
775	23.15	0.41
780	23.21	0.32
785	23.76	0.4
790	24.99	0.94
795	23.78	0.51
800	28.63	0.95
805	29.49	1.06
810	29.06	1
815	28.89	0.83
820	29.72	0.89
825	27.85	1.24
830	25.94	0.81
835	26.49	0.49
840	24.86	0.39
845	24.39	-0.09
850	25.36	-0.69
855	25.33	-1.11
860	26.31	-1.31
865	24.71	-1.97
870	25.25	-1.68
875	26.42	-1.19
880	25.37	-1.3
885	28.24	-0.91
890	29.17	-0.76
895	27.6	-1.1
900	29.54	-0.87

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	29.93	-0.85
910	29.21	-0.48
915	30.69	-0.24
920	30.33	-0.17
925	30.1	0.01
930	30.47	0.09
935	28.91	-0.19
940	29.48	-0.25
945	29.53	0.06
950	27.56	-0.17
1000	35.07	0.18
1050	32.23	0.21
1100	35.68	0.94
1150	35.19	1.58
1200	37.93	0.31
1250	45.74	1.19
1300	58.4	3.13
1350	69.55	4.27
1400	60.38	3.24
1450	53.45	2.96
1500	46.38	2.6
1550	44.35	3.51
1600	41.93	3.46
1650	44.14	3.36
1700	43.1	2.4
1750	39.07	0.61
1800	48.39	1.53
1850	46.07	2.35
1900	50.57	3.11
1950	59.95	5.3
2000	53.79	4.93
2050	38.38	2.94
2100	45.77	3.57

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 2/Cable 2

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2150	44.8	3.61
2200	40.11	3.63
2250	45.79	2.77
2300	49.43	4.01
2350	49.45	4.51
2400	45.09	3.71
2450	39.54	2.85
2500	48.44	3.37
2550	54.88	3.97
2600	50	3.75
2650	51.8	4.07
2700	55.44	4.5
2750	55.66	3.5
2800	52.78	3.04
2850	46.44	2.52
2900	51.63	3.49
2950	50.47	4
3000	36.21	2.63
3050	55.99	4.19
3100	67.96	6.01
3150	51.03	4.55
3200	39.53	2.44
3250	51.16	3.33
3300	56.15	3.3
3350	61.71	4.45
3400	53.45	4.58
3450	44.17	3.52
3500	55.62	5.13

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3550	55.72	4.76
3600	51.89	4.71
3650	55.43	4.47
3700	67.5	4.92
3750	62.37	4.33
3800	57.46	4.48
3850	49.48	3.44
3900	51.6	2.7
3950	69.06	3.53
4000	58.09	3.11
4050	55.52	3.15
4100	62.58	4.24
4150	69.31	4.8
4200	60.05	3.86
4250	64.54	3.23
4300	75.31	3.76
4350	64.76	2.94
4400	64.59	3.62
4450	64.91	3.56
4500	64.01	3.45
4550	52.28	2.44
4600	39.9	1.16
4650	41.3	1.79
4700	40.24	1.99
4750	33.76	1.85
4800	26.43	1.86
4850	27.03	2.59
4900	39.16	3.05
4950	41.78	1.82
5000	36.23	0.49

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 2/Cable 2

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
5050	38.36	0.51
5095	45.64	1.26
5100	45.28	1.1
5150	48.09	1.33
5200	39.93	1.24
5250	38.34	1.22
5300	44.48	1.76
5350	51.87	1.86
5400	46.78	1.29
5450	39.52	0.71
5500	38.31	0.95
5550	45.6	1.76
5600	44.41	2.44
5650	41.56	2.3
5700	44.69	2.04
5750	46.78	2.32
5800	39.41	1.49
5850	38.61	1.22
5900	41.62	2.33
5950	46.88	3.01
6000	33.08	2.59

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

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Appendix : Measured Gain Performances Table Antenna 3/Cable 3

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	26.93	-0.78
745	29.86	-0.29
750	29.07	-0.64
755	30.84	-0.41
760	33.57	-0.11
765	32.99	-0.66
770	32.28	-0.94
775	32.03	-1.04
780	32.62	-0.63
785	32.5	-0.38
790	31.38	-0.87
795	29.49	-1.37
800	33.26	-0.24
805	31.59	-0.03
810	30.01	0.13
815	28.61	0.33
820	29.12	0.62
825	28.51	0.41
830	29.07	0.39
835	31.04	0.35
840	31.22	-0.18
845	32.86	-0.5
850	34.79	-0.73
855	35.84	-0.46
860	38.67	-0.18
865	37.98	-0.1
870	39.38	0.12
875	42.26	0.65
880	42.14	0.64
885	45.84	0.67
890	47.83	0.89
895	45.94	0.67
900	47.95	0.69

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	47.83	0.53
910	46.93	0.58
915	48.18	0.76
920	45.85	0.37
925	46.55	0.6
930	48.71	0.89
935	46.3	0.93
940	48.28	1.38
945	49.34	1.71
950	45.63	1.28
1000	34.53	-0.17
1050	37.44	0.29
1100	32.42	1.11
1150	34.2	1.18
1200	40.02	1.07
1250	51.75	2.83
1300	57.89	2.99
1350	62.51	2.42
1400	53.1	1.89
1450	45.98	1.42
1500	31.31	0.16
1550	28.77	-0.01
1600	38.57	1.53
1650	37.62	1.64
1700	42.78	2.03
1750	35.49	1.54
1800	36.47	0.91
1850	49.37	1.2
1900	54.26	2.7
1950	57.59	3.44

Maswell 8X8 5G MIMO Antenna Screw and Adhesive Mount 2m Cable 750-6000MHz

AN.AG50.8Cell.6000.30-LL

Appendix : Measured Gain Performances Table Antenna 3/Cable 3

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2000	53.75	3.58
2050	40.52	2.49
2100	41.85	2.87
2150	34.66	2.29
2200	48.54	3.3
2250	46.54	2.75
2300	43.96	2.94
2350	39	2.56
2400	43.06	3.03
2450	39.9	1.73
2500	51.59	3.21
2550	53.3	3.59
2600	52.25	3.16
2650	51.93	3.31
2700	54.67	4.09
2750	53.96	4.12
2800	51.88	4.43
2850	46.9	4.3
2900	54.85	4.44
2950	56.49	3.82
3000	45.35	2.84
3050	60.22	3.61
3100	72.68	4.92
3150	57.4	3.56
3200	46.71	2.54
3250	55.53	2.6
3300	54.36	2.46
3350	62.18	3.93

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3400	55.72	3.9
3450	44.37	3.11
3500	52.99	3.93
3550	51.89	3.82
3600	48.44	4.12
3650	52.98	4.67
3700	58.15	4.64
3750	60.65	4.5
3800	62.4	5.1
3850	60.6	4.41
3900	60.24	3.87
3950	77.82	4.71
4000	66.65	3.7
4005	61.38	3.38
4050	65.07	3.44
4100	69.45	3.85
4150	73.35	3.97
4200	63.5	3.02
4250	68.56	3.19
4300	78.67	3.95
4350	64.15	3.02
4400	63.72	3.11
4450	62.34	2.7
4500	59.46	3.26
4550	46.34	2.87
4600	33.14	0.9
4650	33.69	1.26
4700	32.54	2.19
4750	27.77	1.57
4800	27.75	0.65

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Appendix : Measured Gain Performances Table Antenna 3/Cable 3

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
4900	47.4	2.27
4950	50.46	2.52
5000	45.98	2.01
5000	45.98	2.01
5005	46.61	2.12
5050	49.5	2.76
5100	54.93	2.99
5150	58.08	3.66
5200	47.87	2.6
5250	38.64	0.9
5300	41.48	0.9
5350	50.17	2.13
5400	45.16	1.6
5450	37.68	0.54
5500	37.13	0.72
5550	43.94	1.03
5600	41.79	0.51
5650	37.81	0.47
5700	40.63	1.36
5750	42.05	1.67
5800	33.65	0.88
5850	31.56	0.68
5900	34.26	1.19
5950	46.73	2.9
6000	36.87	2.53

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Appendix : Measured Gain Performances Table Antenna4 /Cable 4

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	26.31	-0.38
745	27.7	-0.23
750	27.13	-0.33
755	29.56	0.48
760	32.4	1.1
765	32.33	0.85
770	31.35	1.12
775	30.71	1.63
780	31.38	1.76
785	32.41	1.88
790	32.34	2.21
795	31.48	2.04
800	37.37	2.34
805	36.56	2.17
810	35.51	1.96
815	34.29	1.32
820	34.88	1.03
825	33.41	0.95
830	33.76	0.46
835	35.73	0.14
840	34.66	0.09
845	36.3	0.19
850	38.1	0.5
855	38.21	0.36
860	40.61	0.44
865	40.06	0.52
870	40.95	0.65
875	42.56	0.93
880	42.13	1.19
885	44.65	1.47
890	45.24	1.85
895	43.03	2.02
900	45.06	2

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	45.56	2.06
910	44.97	2.36
915	47.34	2.43
920	45.97	2.11
925	46.22	2.39
930	47.95	2.63
935	45.97	2.26
940	47.86	2.59
945	48.19	3
950	45.57	2.8
1000	48.98	-0.2
1050	46.28	1.3
1100	42.89	1.25
1150	46.36	2.24
1200	35.25	0.81
1250	62.71	1.96
1300	60.75	3.18
1350	68.27	3.51
1400	67.32	3.5
1450	67.73	3.81
1500	48.8	2.57
1550	38.31	1.8
1600	32.26	1.11
1650	33.92	0.89
1700	37.52	0.24
1750	33.04	0.17
1800	41.26	0.81
1850	48.09	1.41
1900	54.56	2.09
1950	63.87	4.06
2000	53.06	3.67

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Appendix : Measured Gain Performances Table Antenna4 /Cable 4

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2050	41.42	2.27
2100	40.67	1.96
2150	39.95	1.84
2200	49.34	2.91
2250	48.75	3.11
2300	49.72	3.15
2350	45.69	2.65
2400	43.2	2.87
2450	40.54	1.94
2500	43.6	1.39
2550	50.7	2.56
2600	47.65	2.76
2650	45.76	2.64
2700	50.09	2.9
2750	51.66	2.82
2800	49.89	3.01
2850	46.16	2.63
2900	51.71	3.23
2950	48.69	3.61
3000	40.77	2.95
3050	60.87	4.87
3100	72.54	4.32
3150	57.91	3.43
3200	48.46	2.93
3250	59.03	4.49
3300	57.85	4.82
3350	62.44	5.32
3400	55.44	4.13
3450	45.5	3.64

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3500	50.68	3.58
3550	50.06	2.95
3600	49.92	2.55
3650	54.79	3.75
3700	53.77	3.3
3750	55.37	3.43
3800	58.02	3.28
3850	54	2.98
3900	53.85	3.04
3950	72.13	4.07
4000	64.28	3.29
4050	60.87	2.74
4100	65.75	2.73
4150	72.67	3.43
4200	65.78	3.76
4250	68.91	3.47
4300	76.11	3.51
4350	65.93	2.58
4400	66	2.66
4450	61.43	2.44
4500	58.87	2.25
4550	49.2	1.3
4600	34.99	0.13
4650	33.19	0.78
4700	32.64	1.28
4750	29.12	1.41
4800	22.82	1.05
4850	26.01	0.83
4900	38.89	1.45
4950	45.35	1.5
5000	41.49	1.6

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Appendix : Measured Gain Performances Table Antenna4 /Cable 4

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
5050	43.08	2.4
5100	48.63	3.13
5150	56.16	3.77
5200	51.02	2.96
5250	39.84	1.5
5300	36.63	0.95
5350	42.11	1.47
5400	46.04	2.32
5450	38.95	1.36
5500	31.96	0.32
5550	34.5	0.77
5600	37.11	0.37
5650	33.1	0.18
5700	30.36	-0.35
5750	34.51	0.71
5800	32.85	1.03
5850	26.97	1.26
5900	24.89	1.17
5950	37.44	3.23
6000	34.72	3.24

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Appendix : Measured Gain Performances Table Antenna5 /Cable 5

Passive Test For 400-6000			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
740	18.35	-7.36	-1.01
745	20.86	-6.81	-0.96
750	22.29	-6.52	-1.37
755	24.79	-6.06	-1.12
760	26.57	-5.76	-1.05
765	27.63	-5.59	-1.47
770	26.93	-5.7	-1.82
775	25.37	-5.96	-1.86
780	25.36	-5.96	-2.24
785	25.64	-5.91	-2.35
790	24.32	-6.14	-2.15
795	23.28	-6.33	-2.37
800	28.26	-5.49	-1.64
805	28.11	-5.51	-1.64
810	27.71	-5.57	-1.52
815	27.31	-5.64	-1.48
820	28.07	-5.52	-1.29
825	26.96	-5.69	-0.97
830	26.82	-5.72	-0.94
835	27.85	-5.55	-1.02
840	26.19	-5.82	-1.09
845	26.53	-5.76	-1.32
850	27.31	-5.64	-1.81
855	27.03	-5.68	-1.76
860	28.51	-5.45	-0.73
865	28.49	-5.45	-0.59
870	29.53	-5.3	-0.43
875	31.69	-4.99	0.25
880	31.9	-4.96	0.12
885	33.95	-4.69	0.16
890	34.76	-4.59	0.47
895	33.25	-4.78	0.38
900	35.2	-4.53	0.59

Passive Test For 400-6000			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
905	35.47	-4.5	0.57
910	35.49	-4.5	0.8
915	38.25	-4.17	1.12
920	37.32	-4.28	0.85
925	38.58	-4.14	1.24
930	41.72	-3.8	1.77
935	41.37	-3.83	1.66
940	44.6	-3.51	2.14
945	46.77	-3.3	2.58
950	44.82	-3.49	2.29
1000	45.85	-3.39	1.57
1050	45.98	-3.37	1.82
1100	42.19	-3.75	2.03
1150	43.78	-3.59	1.47
1200	31.27	-5.05	0.22
1250	34.01	-4.68	0.41
1300	34.31	-4.65	-0.09
1350	47.27	-3.25	1.62
1400	47.03	-3.28	1.77
1450	51.03	-2.92	2.23
1500	49.59	-3.05	2.11
1550	46.91	-3.29	2.43
1600	47.99	-3.19	1.77
1650	56.05	-2.51	2.99
1700	53.87	-2.69	3.19
1750	35.13	-4.54	1.28
1800	34.75	-4.59	0.82
1850	31.09	-5.07	0.65
1900	35.11	-4.55	0.89
1950	44.63	-3.5	2.77

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Appendix : Measured Gain Performances Table Antenna5 /Cable 5

Passive Test For 400-6000			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2000	38.78	-4.11	1.7
2050	31.2	-5.06	0.12
2100	35.91	-4.45	1.2
2150	29.71	-5.27	-0.11
2200	23.98	-6.2	-0.53
2250	20.04	-6.98	-0.06
2300	28.12	-5.51	0.37
2350	31.95	-4.96	1.11
2400	34.14	-4.67	0.42
2450	36.02	-4.43	0.4
2500	39.51	-4.03	0.43
2550	40.78	-3.9	0.25
2600	42.12	-3.76	0.5
2650	41.72	-3.8	1.32
2700	36.52	-4.37	0.98
2750	36.02	-4.43	0.64
2800	42.2	-3.75	2.36
2850	42.62	-3.7	3.03
2900	42.93	-3.67	2.46
2950	38.39	-4.16	1.12
3000	31.59	-5	-0.48
3050	53.74	-2.7	2.49
3100	50.23	-2.99	1.85
3150	38.99	-4.09	1.91
3200	40.9	-3.88	1.71
3250	56.47	-2.48	2.39
3300	46.65	-3.31	2.04
3350	46.77	-3.3	2.74
3400	51.22	-2.91	2.82
3450	44.81	-3.49	1.73
3500	48.54	-3.14	1.86
3550	43.63	-3.6	2.14

Passive Test For 400-6000			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
3600	36.89	-4.33	1.37
3650	47.27	-3.25	2.39
3700	52.75	-2.78	3.06
3750	40.55	-3.92	1.82
3800	37.39	-4.27	1.5
3850	42.84	-3.68	1.39
3900	48.45	-3.15	2.23
3950	62.11	-2.07	3.2
4000	57.21	-2.42	2.42
4050	64.56	-1.9	2.79
4100	65.88	-1.81	2.99
4150	64.94	-1.87	3.3
4200	58.14	-2.36	2.88
4250	60.78	-2.16	2.57
4300	63.58	-1.97	3.1
4350	55.61	-2.55	2.9
4400	61.82	-2.09	3.47
4450	55.25	-2.58	2.48
4500	49.7	-3.04	2.98
4550	50.3	-2.98	3.77
4600	46.5	-3.33	2.95
4650	42.15	-3.75	1.18
4700	33.96	-4.69	0.59
4750	36.95	-4.32	1.29
4800	44.11	-3.55	2.47

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Appendix : Measured Gain Performances Table Antenna5 /Cable 5

Passive Test For 400-6000			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
4850	39.85	-4	1.75
4900	41.25	-3.85	1.99
4950	42.49	-3.72	2.83
5000	45.06	-3.46	3.74
5050	47.87	-3.2	4.07
5100	44.77	-3.49	3.42
5150	42.71	-3.69	3.44
5200	47.52	-3.23	4
5250	46.69	-3.31	2.5
5300	43.32	-3.63	2.14
5350	45.99	-3.37	2.61
5400	48.9	-3.11	2.76
5450	45.62	-3.41	2.41
5500	41.04	-3.87	1.78
5500	41.04	-3.87	1.78
5505	40.18	-3.96	1.77
5550	44.06	-3.56	2.55
5600	38.36	-4.16	1.55
5650	33.22	-4.79	0.49
5700	37.29	-4.28	1.06
5750	42.93	-3.67	1.72
5800	32.41	-4.89	0.32
5850	26.45	-5.78	-0.55
5900	30.06	-5.22	0.13
5950	48.77	-3.12	2.24
6000	44.94	-3.47	2.09

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Appendix : Measured Gain Performances Table

Antenna6 /Cable 6

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	9.09	-6.15
745	9.38	-6.08
750	9.32	-6.01
755	10.21	-5.1
760	10.92	-4.44
765	11.51	-3.94
770	12.12	-3.68
775	12.77	-3.49
780	14.09	-3.11
785	15.48	-2.69
790	16.38	-2.39
795	16.02	-2.42
800	19.17	-1.65
805	18.98	-1.79
810	17.77	-2.27
815	17.51	-2.55
820	18.22	-2.52
825	17.25	-3.03
830	16.67	-3.65
835	17.58	-3.48
840	17.17	-3.78
845	17.39	-3.68
850	18.77	-3.11
855	19.47	-3.05
860	20.32	-3.02
865	19.77	-3.29
870	19.9	-3.34
875	20.28	-3.16
880	19.3	-3.09
885	19.96	-2.71
890	19.84	-2.59
895	18.34	-2.87
900	19.11	-2.19

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	19.17	-1.84
910	19.13	-2.14
915	21.03	-1.74
920	21.12	-1.7
925	22.37	-1.29
930	25.2	-0.68
935	26	-0.86
940	28.51	-0.45
945	30.33	0.03
950	29.69	-0.21
1000	26.24	-1.91
1050	26.43	-0.97
1100	28.86	0.77
1150	28.82	-0.02
1200	22.77	-0.28
1250	27.56	-1.28
1300	28.71	0.43
1350	38.59	2.54
1400	45.88	2.44
1450	51.6	2.21
1500	47.14	1.78
1550	41.94	0.49
1600	48.6	3.31
1650	51.09	4.07
1700	48.8	3.81
1750	40.53	2.5
1800	34.61	1.64
1850	32.48	0.48
1900	35.5	1.59
1950	44.94	1.36

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Appendix : Measured Gain Performances Table Antenna6 /Cable 6

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2000	38.13	0.37
2050	30.16	-0.11
2100	40.12	1.69
2150	36.75	1.48
2200	33.65	1.11
2250	35.75	1.28
2300	34.71	1.18
2350	31.18	0.34
2400	30.51	0.01
2450	41.73	2.03
2500	48.44	3.48
2550	45.81	2.61
2600	44.23	2.97
2650	45.94	3.17
2700	40.32	2.09
2750	42.72	2.11
2800	44.37	2.99
2850	41.89	2.83
2900	40.11	3.42
2950	37.75	2.09
3000	35.23	2.49
3050	49.67	2.22
3100	48.44	2.54
3150	38.38	1.91
3200	39.14	1.68

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3250	50.52	3.03
3300	41.87	2.31
3350	44.84	2.53
3400	52.01	2.67
3450	48.06	2.12
3500	50.36	2.06
3550	47.1	2.32
3600	42.63	2.26
3650	51.01	3.59
3700	53.53	3.28
3750	41.79	2.91
3800	37.67	2.42
3850	42.72	2.17
3900	48.69	2.38
3950	63.7	3.84
4000	56.6	3.11
4050	59.99	2.92
4100	62.46	3.19
4150	61.91	2.92
4200	52.16	2.74
4250	53.25	2.79
4300	56.63	2.98
4350	47.38	2.12
4400	47.41	2.8
4450	40.06	2.52
4500	38.14	2.13
4550	35.68	2.04
4600	29.15	0.77
4650	29.96	0.81

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Appendix : Measured Gain Performances Table Antenna6 /Cable 6

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
4700	30.84	1.15
4750	33.56	1.72
4800	39.29	2.37
4850	35.34	1.58
4900	35	0.89
4950	37.36	1.49
5000	41.13	2.21
5050	40.34	2.41
5100	38.18	2.58
5150	43.35	3.09
5200	47.89	3.43
5250	40.4	2.54
5300	39.82	2.07
5350	45.82	2.55
5400	42.91	2.76
5450	37.37	2.7
5500	36.72	2.91
5550	40.15	3.27
5600	31.3	2.17
5650	27.27	0.93
5700	32.41	0.89
5750	33.06	1.02
5800	22.16	-0.85
5850	19.71	-1.22
5900	25.35	0.22
5950	40.09	2.07
6000	30.73	0.48

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Appendix : Measured Gain Performances Table Antenna7 /Cable 7

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	16.23	-2.87
745	14.8	-3.34
750	14.36	-3.29
755	14.42	-3.32
760	14.24	-3.4
765	15.44	-2.92
770	16.42	-2.75
775	17.25	-2.88
780	19.29	-2.59
785	22.75	-2.29
790	24.94	-1.88
795	24.56	-1.84
800	30.23	-1.26
805	29.55	-1.58
810	26.76	-1.73
815	24.63	-1.9
820	23.93	-1.46
825	21.89	-1.86
830	20.66	-1.76
835	21.74	-1.3
840	21.78	-1.64
845	22.54	-1.58
850	24.43	-1.09
855	25.85	-0.98
860	28.09	-0.73
865	28.17	-0.47
870	28.87	-0.15
875	31.05	0.4
880	30.43	0.34
885	32.06	0.63
890	33.88	0.79
895	33.19	0.43
900	35.17	0.43

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	35.58	0.03
910	35.3	-0.43
915	36.42	-0.76
920	33.7	-1.14
925	32.61	-0.62
930	33.52	-0.12
935	31.63	-0.24
940	32.35	-0.1
945	33.3	0.34
950	32.08	0.38
1000	33.6	0.75
1050	29.61	1.05
1100	26.12	-1.18
1150	32.55	0.86
1200	20.98	-1.21
1250	19.13	-2.63
1300	18.81	-2.69
1350	21.56	-2.31
1400	27.1	-0.95
1450	29.07	-0.19
1500	33.01	0.67
1550	37.76	1.07
1600	34.75	1.28
1650	43.12	1.36
1700	45.97	1.85
1750	37.31	1.49
1800	33.49	2.26
1850	30.67	1.19
1900	31.62	1.34

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Appendix : Measured Gain Performances Table Antenna7 /Cable 7

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
1950	39.63	2.38
2000	40.31	2.55
2050	35.92	1.98
2100	36.89	1.7
2150	30.95	1.29
2200	25.83	0.21
2250	29.98	-0.3
2300	36.6	1.1
2350	48.76	2.21
2400	49.79	2.02
2450	45.64	1.92
2500	51.25	2.6
2550	47.68	2.45
2600	43.21	2.37
2650	49.5	2.85
2700	47.29	2.74
2750	39.61	2.81
2800	35.21	2.25
2850	35.31	3.08
2900	36.58	3.35
2950	28.25	2.08
3000	26.91	0.04
3050	50.17	3.28
3100	55.11	3.92
3150	41.28	3.03
3200	39.33	2.87

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3250	51.68	3.84
3300	43.88	3.22
3350	45.9	3.9
3400	49.46	3.99
3450	43.42	3.9
3500	48.08	4.24
3550	45.08	3.46
3600	40.53	2.78
3650	48.77	4.11
3700	52.82	5.13
3750	39.29	3.73
3800	38.65	3.29
3850	45.09	3.73
3900	46.62	3.45
3950	61.02	4.13
4000	57.47	3.68
4050	61.6	3.22
4100	65.71	3.57
4150	65.84	2.94
4200	57.89	2.81
4250	62.75	3.8
4300	73.49	5.27
4350	59.19	4.6
4400	58.35	3.94
4450	54.32	2.16
4500	50.15	1.95
4550	38.55	1.54
4600	29.89	0.94
4650	36.09	2.41
4700	37.5	2.67
4750	35.05	2.16

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Appendix : Measured Gain Performances Table Antenna7 /Cable 7

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
4800	34.57	1.79
4850	36.85	2.25
4900	43.75	2.92
4950	43.23	3.42
5000	39.57	3.26
5050	42.5	3.89
5100	46.99	4.72
5150	41.22	4.27
5200	36.1	3.29
5250	41.14	3.15
5300	49.02	3.17
5350	42.81	1.32
5400	39.97	0.23
5450	46.19	1.07
5500	42.28	0.94
5550	39.28	1.29
5600	40.63	1.71
5650	36.51	1.07
5700	29.95	-0.16
5750	33.46	0.44
5800	38.42	0.94
5850	30.78	0.06
5900	22.15	-1.02
5950	30.2	0.78
6000	39.79	2.95

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Appendix : Measured Gain Performances Table Antenna8 /Cable 8

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
740	16.6	-3.2
745	17.52	-2.65
750	17.09	-2.39
755	18.68	-1.69
760	20.46	-1.11
765	21.03	-1.1
770	21.73	-0.87
775	22.88	-0.51
780	25.16	-0.3
785	27.55	-0.01
790	28.83	0.29
795	28.09	0.42
800	33.58	1.41
805	32.45	0.98
810	30.07	0.12
815	29.01	-0.23
820	29.41	-0.02
825	27.27	0.19
830	26.21	-0.06
835	27.88	-0.11
840	26.58	-0.19
845	26.92	-0.34
850	28.46	-0.36
855	28.18	-0.54
860	29.15	-0.52
865	27.66	-0.8
870	28.15	-0.7
875	29.7	-0.44
880	28.72	-0.66
885	31.74	-0.21
890	33.11	0.11
895	31.06	0.09
900	33	0.12

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
905	32.79	0
910	31.33	-0.23
915	32.34	-0.24
920	31.02	-0.38
925	31.2	-0.22
930	32.59	0.08
935	31.38	-0.1
940	33.58	0.27
945	34.81	0.31
950	33.25	-0.11
1000	44.06	1.89
1050	34.94	0.97
1100	28.34	-1.26
1150	29.61	-1.59
1200	23.96	-1.77
1250	27.27	0.74
1300	24.01	0.7
1350	36.28	3.02
1400	35.25	1.72
1450	37.91	2.82
1500	41.17	3.11
1500	41.17	3.11
1505	39.47	2.8
1550	35.98	1.86
1600	37.61	2.02
1650	49.08	2.93
1700	48.49	2.86
1750	38.51	1.57
1800	36.51	0.58
1850	37.27	0.68
1900	38.46	1.31
1950	47.08	2.45

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Appendix : Measured Gain Performances Table Antenna8 /Cable 8

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
2000	43.2	1.84
2005	43.12	1.82
2050	34.15	1.19
2100	33.39	1.34
2150	31.76	0.98
2200	32.91	1.34
2250	29.42	1.66
2300	29.13	1.72
2350	39.23	2.25
2400	41.52	2.98
2450	42.81	1.64
2500	53.28	2.05
2550	54.31	3.49
2600	43.73	3.1
2650	41.57	2.69
2700	45.16	2.91
2750	43.9	3.29
2800	41.17	2.97
2850	36.98	2.65
2900	41.45	3.69
2950	40.1	3.25
3000	37.8	2.61
3005	43.86	3.22
3050	57.95	4.7
3100	62.95	5.37
3150	46.79	4.35
3200	39.2	3.1
3250	49.57	3.8
3300	51.89	3.81

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
3350	56.23	3.29
3400	50.58	3.05
3450	44.68	2.78
3500	48.94	3.65
3550	42.47	2.54
3600	40.18	3.22
3650	44.27	3.24
3700	49.93	3.8
3750	48.7	3.34
3800	47.76	3.15
3850	45.49	2.22
3900	52.54	1.91
3950	71.31	3.17
4000	60.55	2.88
4050	60.75	3.01
4100	69.27	3.67
4150	66.93	3.1
4200	57.69	2.59
4250	65.52	3.24
4300	73.55	3.5
4350	55.43	2.31
4400	55.83	2.61
4450	56.71	2.44
4500	52.89	2.16
4550	43.01	1.27
4600	35.28	0.36

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Appendix : Measured Gain Performances Table Antenna8 /Cable 8

Passive Test For 400-6000		
Freq (MHz)	Effi (%)	Gain (dBi)
4650	38.11	1.39
4700	33.65	1.98
4750	35.74	2.6
4800	37.71	2.09
4850	34.34	1.04
4900	41.25	1.92
4950	40.82	2.14
5000	35.67	1.93
5000	35.67	1.93
5050	35.92	1.46
5100	40.31	2.06
5150	41.47	2.27
5200	36.07	1.89
5250	34.27	2.04
5300	39.09	1.77
5350	40.87	1.85
5400	32.11	0.62
5450	31.63	1.02
5500	36.54	2.1
5550	36.46	1.96
5600	30.99	2.06
5650	31.19	2.34
5700	32.67	2.1
5750	30.45	1.92
5800	26.65	1.14
5850	32.76	1.52
5900	34.29	2.31
5950	34.45	1.97
6000	25.17	0.71