

FIT Hon Teng Limited
鴻騰六零八八精密科技股份有限公司

EE37 Antenna Test Report

FIT ACE Antenna Team
Meijun Fu, Huaiyu Zhang
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VOLTAIRA

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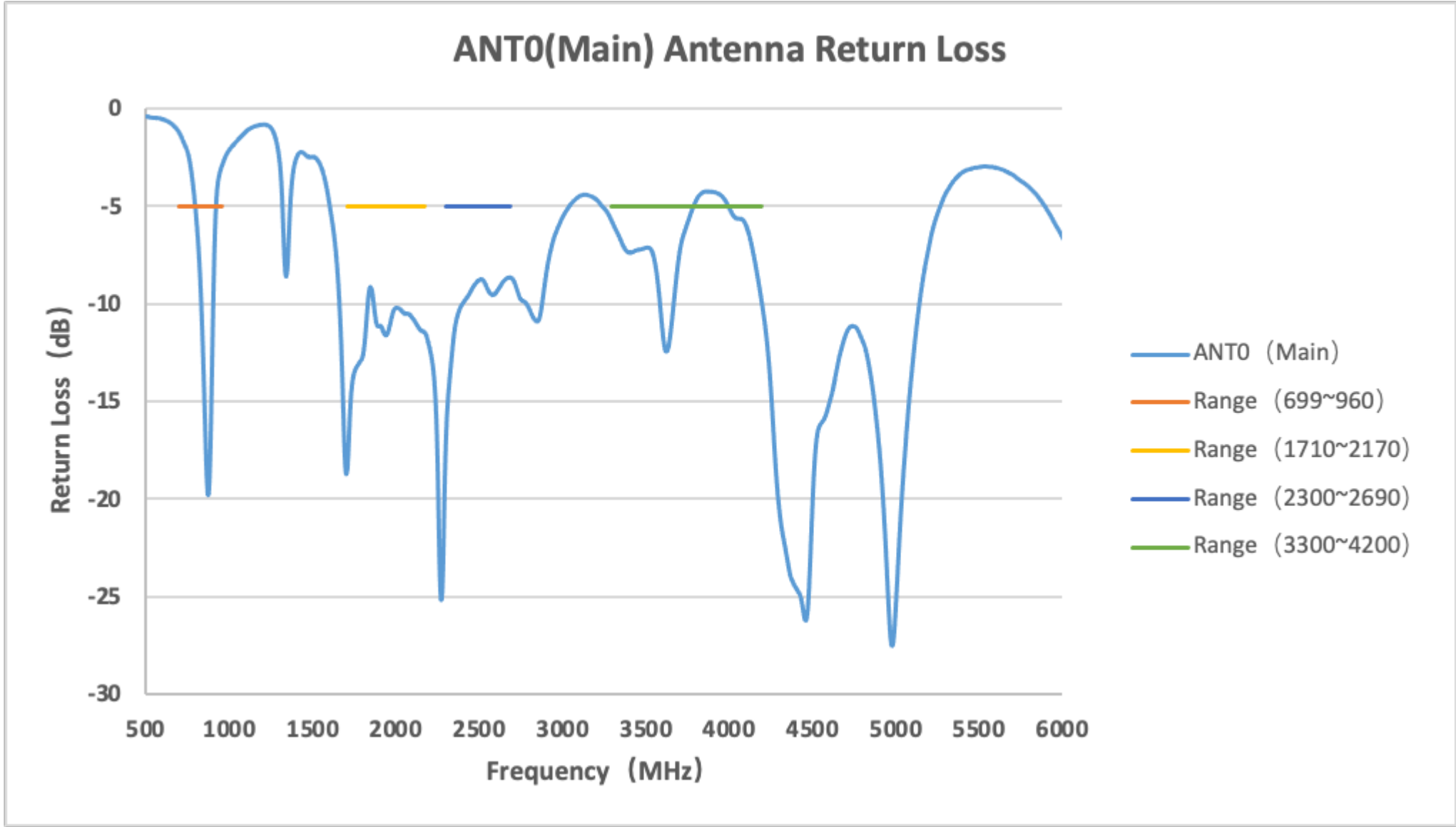
Antenna Configuration & Frequency Information

Antenna	Description	RF Bands	Frequency Range(MHz)
Ant 0 (Main)	LB DRx MHB TRx UHB DRx MIMO	UMTS: FDD I, FDD V, FDD VIII; LTE: B1, B3, B4, B5, B7, B8, B12, B18, B19, B28, B38, B40, B41, B42;	699~960; 1710~2170; 2300~2690; 3300~4200
Ant 1 (MIMO1)	MHB DRx MIMO UHB DRx	LTE: B1, B3, B4, B7, B38, B40, B41, B42;	1710~2170; 2300~2690; 3300~4200
Ant 2 (MIMO2)	MHB PRx MIMO UHB TRx	LTE: B1, B3, B4, B7, B38, B40, B41, B42;	1710~2170; 2300~2690; 3300~4200
Ant 3 (AUX)	LB TRx MHB DRx UHB PRx MIMO	UMTS: FDD I, FDD V, FDD VIII; LTE: B1, B3, B4, B5, B7, B8, B12, B18, B19, B28, B38, B40, B41, B42;	699~960; 1710~2170; 2300~2690; 3300~4200
Ant 4 (Wi-Fi 1)	Wi-Fi Chain 0 (2.4G)	Wi-Fi 2.4G;	2400~2500;
Ant 5 (Wi-Fi 2)	Wi-Fi Chain 1 (2.4G)	Wi-Fi 2.4G;	2400~2500;

■ Antenna Type: FPC Antenna.

Antenna Test Result

■ S-Parameter: Main Antenna.



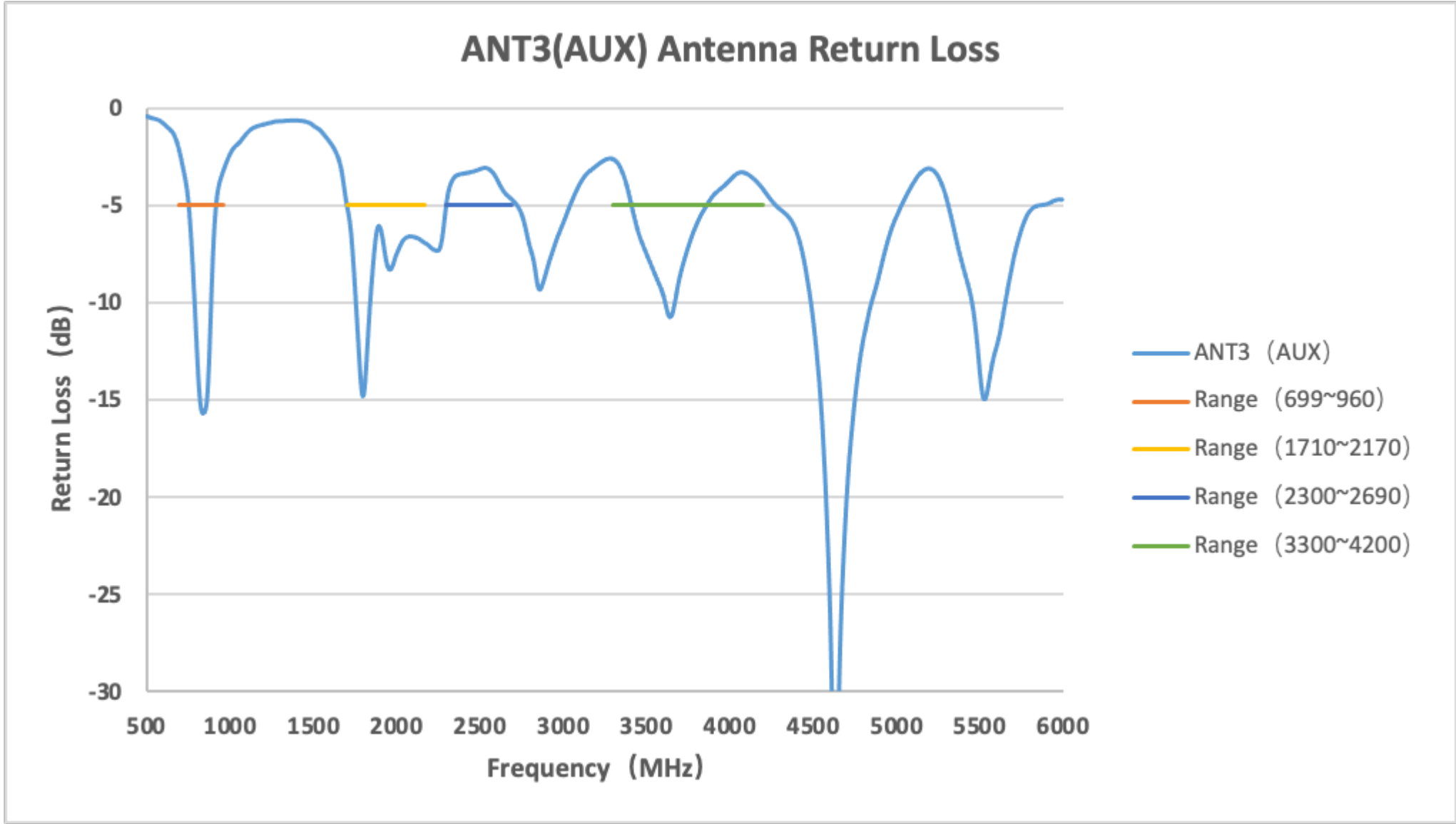
Antenna Test Result

■ Efficiency: Main Antenna

ANT0(Main) Antenna Efficiency															
Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)
LB				MB				HB				UHB			
690	-6.56	22.06	-2.74	1710	-2.43	57.15	1.84	2300	-2.97	50.41	1.41	3300	-5.65	27.24	-0.84
700	-6.24	23.75	-2.66	1730	-2.23	59.85	2.18	2320	-3.49	44.77	0.93	3330	-5.87	25.90	-0.87
710	-6.17	24.16	-2.67	1750	-2.15	60.95	2.57	2340	-3.62	43.49	0.81	3360	-5.63	27.38	-0.55
720	-5.64	27.29	-2.24	1770	-2.30	58.90	2.55	2360	-3.64	43.23	1.38	3390	-4.81	33.05	0.15
730	-5.33	29.34	-1.77	1790	-2.33	58.49	2.63	2380	-3.56	44.06	1.48	3420	-4.28	37.33	0.61
740	-5.04	31.33	-1.48	1810	-2.04	62.53	2.59	2400	-3.89	40.86	1.24	3450	-4.92	32.18	-0.34
750	-4.95	32.02	-1.63	1830	-2.44	57.01	1.93					3480	-4.21	37.93	0.81
760	-4.78	33.23	-1.25	1850	-2.98	50.34	0.25	2490	-3.14	48.48	1.52	3510	-3.07	49.29	2.69
770	-4.82	32.95	-1.61	1870	-2.70	53.69	0.84	2510	-2.67	54.11	2.13	3540	-3.44	45.29	2.71
780	-4.65	34.30	-1.62	1890	-2.41	57.40	1.15	2530	-2.00	63.09	2.27	3570	-3.15	48.39	2.98
790	-4.51	35.43	-1.33	1910	-2.19	60.35	1.84	2550	-1.96	63.68	2.49	3600	-2.87	51.70	2.75
800	-4.29	37.26	-0.87	1930	-2.22	59.98	1.68	2570	-2.50	56.28	2.44	3630	-3.13	48.65	1.82
810	-4.37	36.57	-0.99	1950	-2.08	61.92	1.73	2590	-2.54	55.72	2.22	3660	-2.91	51.16	1.84
820	-4.05	39.39	-0.36	1970	-1.96	63.61	1.64	2610	-2.46	56.79	2.22	3690	-3.03	49.82	1.75
830	-3.90	40.77	-0.51	1990	-1.97	63.56	1.80	2630	-2.45	56.89	1.75	3720	-3.56	44.11	0.90
840	-4.12	38.73	-0.51	2010	-2.17	60.71	1.55	2650	-2.89	51.44	1.39	3750	-3.49	44.81	1.00
850	-4.25	37.62	-0.98	2030	-2.53	55.83	1.18	2670	-3.34	46.38	1.01	3780	-3.22	47.63	1.41
860	-4.50	35.46	-0.78	2050	-2.62	54.73	1.31	2690	-3.32	46.52	1.00	3810	-2.89	51.43	1.93
870	-4.60	34.68	-1.24	2070	-2.10	61.61	2.16					3840	-2.65	54.37	2.22
880	-4.54	35.17	-1.38	2090	-2.14	61.03	2.10					3870	-3.06	49.43	1.63
890	-4.31	37.05	-0.86	2110	-2.45	56.84	1.63					3900	-3.15	48.39	1.41
900	-3.79	41.80	0.37	2130	-2.73	53.39	1.25					3930	-3.82	41.50	0.68
910	-3.24	47.38	0.64	2150	-2.62	54.70	1.39					3960	-3.97	40.10	0.67
920	-2.90	51.31	0.99	2170	-2.37	57.91	1.69					3990	-3.72	42.50	1.05
930	-2.69	53.89	1.30									4020	-3.87	41.06	0.90
940	-2.83	52.07	0.92									4050	-3.98	39.99	0.63
950	-3.11	48.81	0.67									4080	-3.36	46.14	1.22
960	-3.51	44.54	0.33									4110	-3.45	45.17	1.12
												4140	-3.54	44.22	1.16
												4170	-4.04	39.46	0.75
												4200	-4.38	36.45	0.46

Antenna Test Result

■ S-Parameter: AUX Antenna



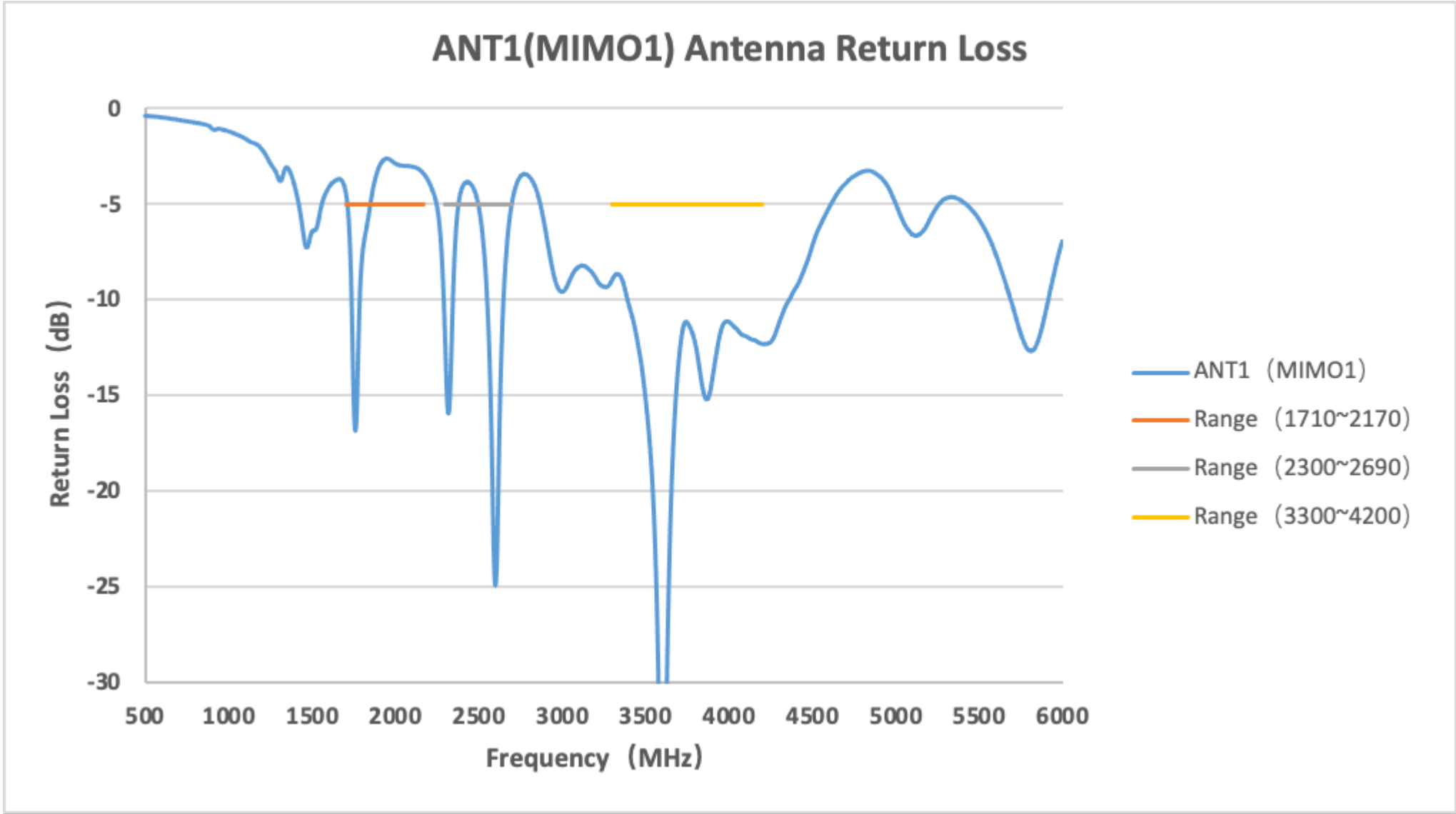
Antenna Test Result

■ Efficiency: AUX Antenna

ANT3(AUX) Antenna Efficiency															
Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)
LB				MB				HB				UHB			
690	-8.01	15.81	-4.35	1710	-2.76	52.95	1.61	2300	-4.63	34.42	-0.18	3300	-6.15	24.27	-0.29
700	-8.10	15.50	-4.11	1730	-2.41	57.45	1.19	2320	-5.26	29.81	-1.54	3330	-5.21	30.13	0.76
710	-8.00	15.85	-4.07	1750	-2.85	51.83	0.38	2340	-5.16	30.48	-1.25	3360	-4.08	39.08	1.84
720	-8.09	15.54	-3.93	1770	-3.06	49.46	1.06	2360	-4.80	33.14	-0.75	3390	-3.06	49.43	2.50
730	-7.86	16.35	-4.03	1790	-3.18	48.13	1.84	2380	-4.81	33.02	-0.39	3420	-3.07	49.32	2.16
740	-7.52	17.69	-3.59	1810	-3.76	42.07	1.32	2400	-5.45	28.50	-1.14	3450	-3.40	45.71	1.76
750	-7.04	19.75	-3.23	1830	-4.87	32.58	-1.29					3480	-3.48	44.87	1.88
760	-6.49	22.43	-2.53	1850	-5.93	25.50	-3.35	2490	-5.45	28.51	-0.02	3510	-4.05	39.36	1.59
770	-5.88	25.81	-1.91	1870	-5.36	29.10	-2.39	2510	-5.89	25.77	-0.51	3540	-3.90	40.74	1.73
780	-5.27	29.74	-1.05	1890	-4.16	38.36	-0.76	2530	-5.71	26.87	-0.67	3570	-3.97	40.09	1.69
790	-4.71	33.77	-0.70	1910	-3.56	44.10	-0.09	2550	-5.91	25.67	-1.14	3600	-4.39	36.39	1.10
800	-4.34	36.79	-0.49	1930	-3.62	43.45	-0.15	2570	-6.52	22.27	-1.05	3630	-4.29	37.24	1.28
810	-4.22	37.84	0.00	1950	-3.68	42.81	-0.51	2590	-6.61	21.84	-1.53	3660	-4.19	38.11	1.24
820	-4.23	37.75	0.16	1970	-3.41	45.65	-0.08	2610	-6.37	23.08	-1.27	3690	-4.42	36.14	0.77
830	-3.72	42.44	0.52	1990	-3.06	49.40	0.83	2630	-5.86	25.92	-0.99	3720	-4.60	34.67	0.38
840	-3.10	48.98	1.54	2010	-3.37	46.06	0.34	2650	-5.61	27.51	-0.98	3750	-4.67	34.12	-0.02
850	-2.75	53.11	2.00	2030	-3.86	41.13	-0.45	2670	-5.37	29.04	-0.92	3780	-4.79	33.19	-0.17
860	-2.47	56.67	2.35	2050	-4.16	38.35	-0.76	2690	-4.88	32.51	-0.62	3810	-4.51	35.40	0.29
870	-2.32	58.63	2.44	2070	-3.70	42.70	-0.17					3840	-4.70	33.88	0.40
880	-2.44	57.05	2.24	2090	-3.51	44.53	0.02					3870	-4.82	32.96	0.54
890	-2.65	54.27	2.10	2110	-3.70	42.65	-0.25					3900	-5.79	26.36	-0.14
900	-2.98	50.32	1.87	2130	-3.74	42.27	-0.28					3930	-5.86	25.94	-0.02
910	-3.27	47.12	1.38	2150	-3.68	42.88	-0.29					3960	-5.53	27.99	0.64
920	-3.54	44.22	1.36	2170	-3.48	44.86	0.05					3990	-5.86	25.94	0.77
930	-4.02	39.67	0.57									4020	-6.20	23.99	0.51
940	-4.55	35.06	-0.09									4050	-5.78	26.42	1.08
950	-5.28	29.63	-0.47									4080	-5.46	28.44	1.13
960	-6.12	24.43	-1.83									4110	-5.08	31.05	1.31
												4140	-5.02	31.48	1.35
												4170	-5.27	29.72	0.68
												4200	-4.76	33.42	0.86

Antenna Test Result

■ S-Parameter: MIMO1 Antenna



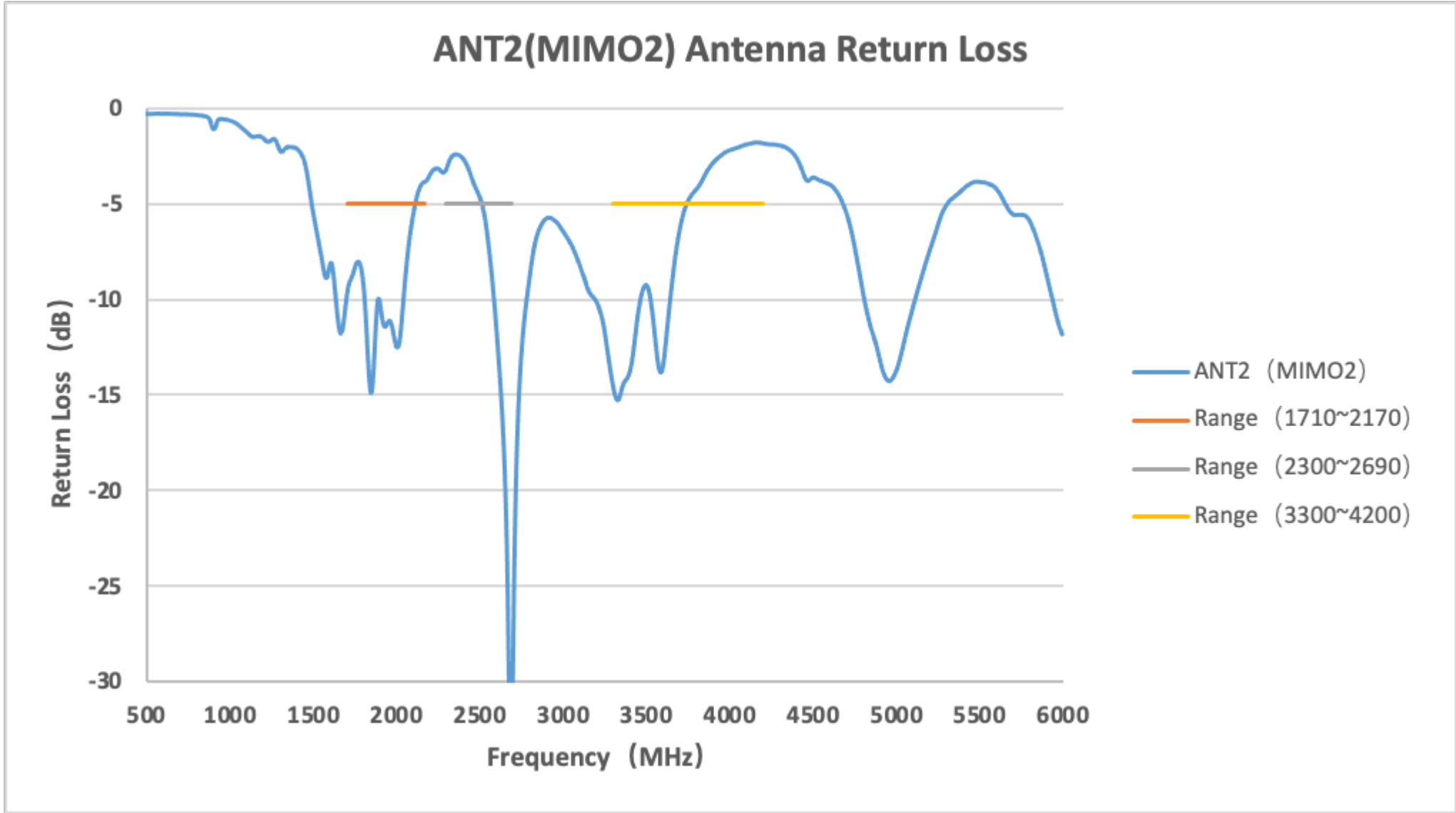
Antenna Test Result

■ Efficiency: MIMO1 Antenna

ANT1(MIMO1) Antenna Efficiency											
Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)
MB				HB				UHB			
1710	-4.49	35.59	1.15	2300	-4.44	35.98	-0.20	3300	-2.67	54.08	2.16
1730	-4.94	32.08	-0.24	2320	-3.85	41.18	0.63	3330	-3.00	50.12	1.87
1750	-5.77	26.46	-1.86	2340	-4.02	39.65	0.67	3360	-3.73	42.36	1.08
1770	-5.97	25.27	-0.87	2360	-4.06	39.28	0.65	3390	-3.55	44.16	1.11
1790	-4.52	35.34	-0.10	2380	-4.75	33.49	-0.05	3420	-2.70	53.70	1.87
1810	-3.49	44.76	0.47	2400	-6.29	23.48	-1.95	3450	-2.72	53.46	1.49
1830	-3.43	45.40	1.03					3480	-2.82	52.24	1.43
1850	-4.14	38.52	1.13	2490	-6.50	22.38	-1.84	3510	-2.59	55.08	1.63
1870	-5.28	29.66	-0.33	2510	-5.46	28.45	-0.52	3540	-3.19	47.97	1.14
1890	-6.31	23.41	-1.07	2530	-4.97	31.87	0.24	3570	-3.27	47.10	1.30
1910	-7.10	19.49	-1.59	2550	-4.41	36.24	0.65	3600	-3.55	44.16	1.02
1930	-7.59	17.40	-1.83	2570	-3.64	43.25	1.68	3630	-3.94	40.36	0.52
1950	-7.96	16.01	-2.27	2590	-3.24	47.37	1.97	3660	-3.86	41.11	0.29
1970	-8.09	15.54	-2.57	2610	-3.54	44.21	1.29	3690	-3.87	41.02	1.07
1990	-8.20	15.15	-2.79	2630	-4.51	35.41	0.08	3720	-3.89	40.83	1.33
2010	-8.14	15.36	-2.43	2650	-5.23	30.00	-1.10	3750	-3.32	46.56	1.54
2030	-8.17	15.25	-2.73	2670	-6.29	23.47	-1.74	3780	-3.16	48.31	1.30
2050	-8.33	14.70	-3.30	2690	-7.75	16.78	-2.91	3810	-3.13	48.64	0.91
2070	-8.14	15.36	-3.18					3840	-3.11	48.87	0.83
2090	-7.59	17.41	-2.69					3870	-3.49	44.77	0.37
2110	-7.62	17.30	-1.71					3900	-3.60	43.65	0.40
2130	-6.84	20.70	-0.71					3930	-4.28	37.33	-0.39
2150	-6.28	23.57	-0.43					3960	-4.37	36.56	-0.74
2170	-5.12	30.78	0.82					3990	-4.19	38.11	-0.63
								4020	-4.57	34.91	-0.81
								4050	-4.92	32.21	-1.11
								4080	-4.51	35.40	-0.84
								4110	-4.54	35.16	-0.83
								4140	-4.52	35.32	-0.89
								4170	-4.93	32.14	-1.19
								4200	-5.47	28.38	-1.49

Antenna Test Result

■ S-Parameter: MIMO2 Antenna



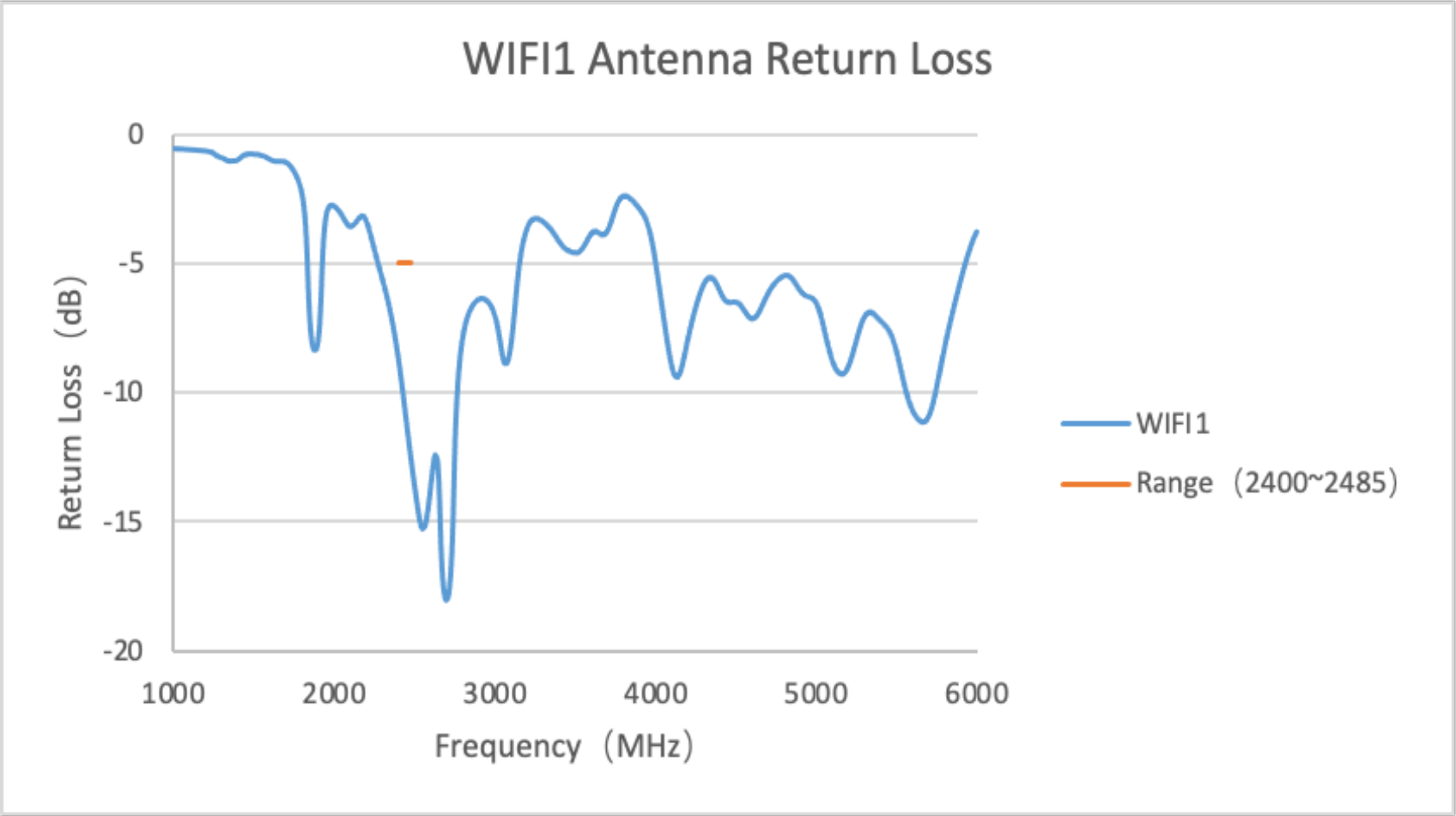
Antenna Test Result

■ Efficiency: MIMO2 Antenna

ANT2(MIMO2) Antenna Efficiency											
Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain	Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)
MB				HB				UHB			
1710	-2.35	58.19	2.44	2300	-6.49	22.44	-1.93	3300	-2.62	54.70	2.16
1730	-2.24	59.74	2.11	2320	-5.72	26.77	-1.32	3330	-3.27	47.10	1.36
1750	-2.53	55.90	1.86	2340	-5.22	30.06	-0.61	3360	-3.84	41.30	0.87
1770	-2.84	52.05	1.96	2360	-5.31	29.44	-0.79	3390	-3.46	45.08	0.84
1790	-2.65	54.27	2.38	2380	-5.16	30.46	-0.30	3420	-2.73	53.33	1.57
1810	-2.16	60.79	2.87	2400	-4.73	33.68	-0.03	3450	-2.73	53.33	1.50
1830	-2.08	61.88	2.72					3480	-2.46	56.75	2.07
1850	-2.45	56.95	2.08	2490	-3.83	41.39	1.96	3510	-2.08	61.94	2.54
1870	-2.47	56.58	1.89	2510	-3.51	44.52	1.80	3540	-2.83	52.12	1.76
1890	-2.11	61.58	2.39	2530	-3.04	49.64	2.72	3570	-3.07	49.32	1.57
1910	-1.78	66.37	2.52	2550	-2.91	51.19	2.75	3600	-3.32	46.56	1.28
1930	-1.99	63.26	2.31	2570	-3.21	47.76	2.37	3630	-3.70	42.66	1.07
1950	-2.14	61.14	1.81	2590	-3.39	45.81	2.39	3660	-3.59	43.75	1.15
1970	-1.90	64.57	1.92	2610	-3.40	45.69	1.66	3690	-3.70	42.66	1.17
1990	-1.60	69.15	2.33	2630	-3.53	44.32	1.68	3720	-4.47	35.73	0.58
2010	-1.90	64.54	2.03	2650	-3.90	40.72	1.35	3750	-4.59	34.75	0.64
2030	-2.50	56.29	1.46	2670	-4.14	38.52	1.13	3780	-4.53	35.24	0.68
2050	-2.87	51.70	0.77	2690	-3.90	40.70	1.28	3810	-4.37	36.56	0.95
2070	-2.63	54.57	1.30					3840	-4.47	35.73	0.97
2090	-2.85	51.90	1.30					3870	-4.67	34.12	0.85
2110	-3.30	46.81	0.78					3900	-4.86	32.66	0.72
2130	-3.72	42.49	0.19					3930	-5.18	30.34	0.26
2150	-3.91	40.67	0.37					3960	-5.21	30.13	0.42
2170	-4.25	37.62	0.08					3990	-5.12	30.76	0.40
								4020	-5.58	27.67	-0.21
								4050	-6.15	24.27	-0.96
								4080	-5.83	26.12	-0.87
								4110	-5.96	25.35	-1.18
								4140	-5.78	26.42	-1.01
								4170	-6.20	23.99	-1.53
								4200	-6.86	20.61	-1.86

Antenna Test Result

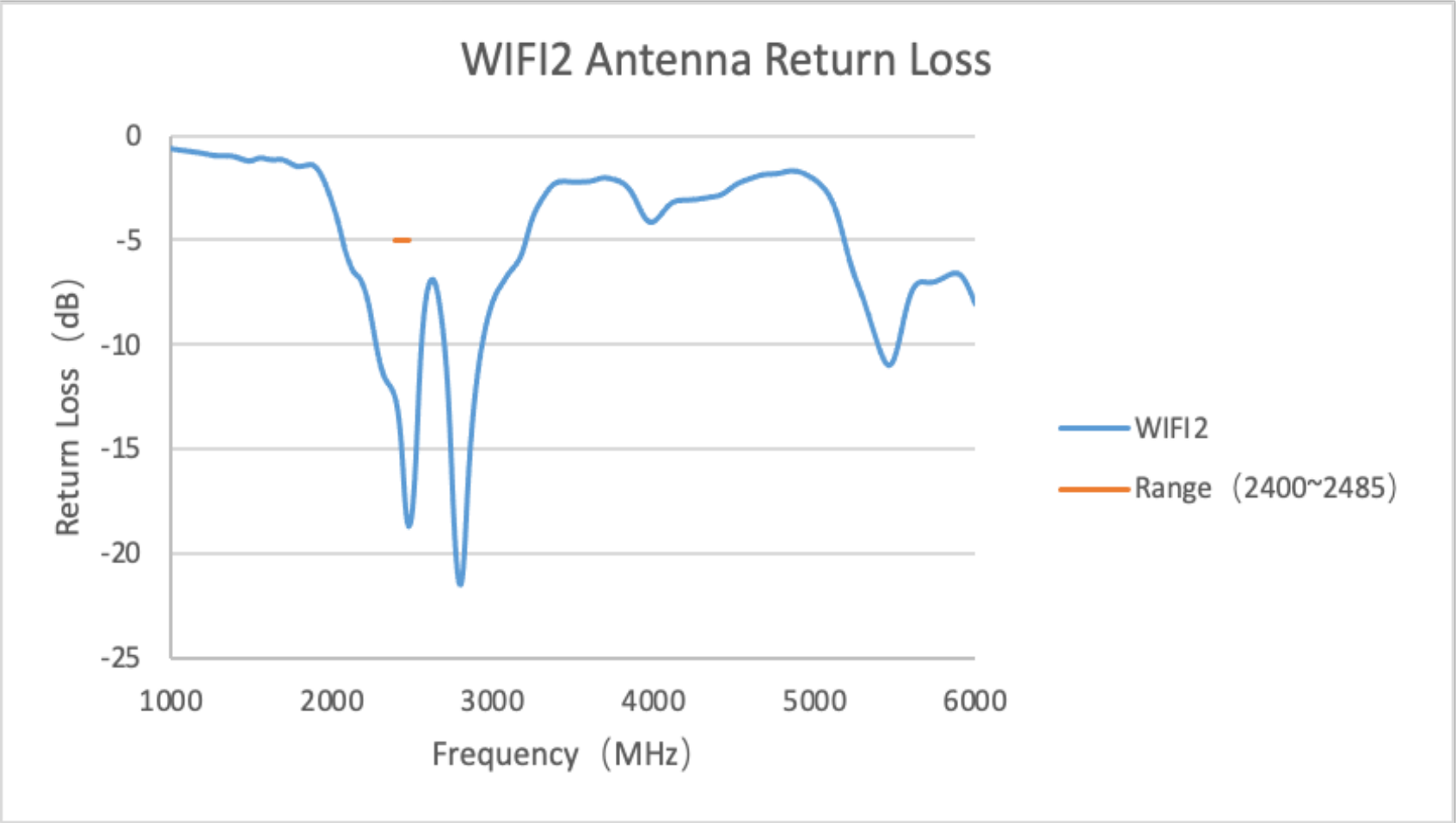
■ Wi-Fi1 Antenna S-Parameter & Efficiency.



WIFI1 Antenna Efficiency			
Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)
2.4G Band			
2400	-3.36	46.13	1.36
2420	-3.20	47.86	1.26
2440	-2.83	52.12	1.63
2460	-2.67	54.08	1.88
2480	-2.49	56.36	2.21
2500	-2.81	52.36	1.95

Antenna Test Result

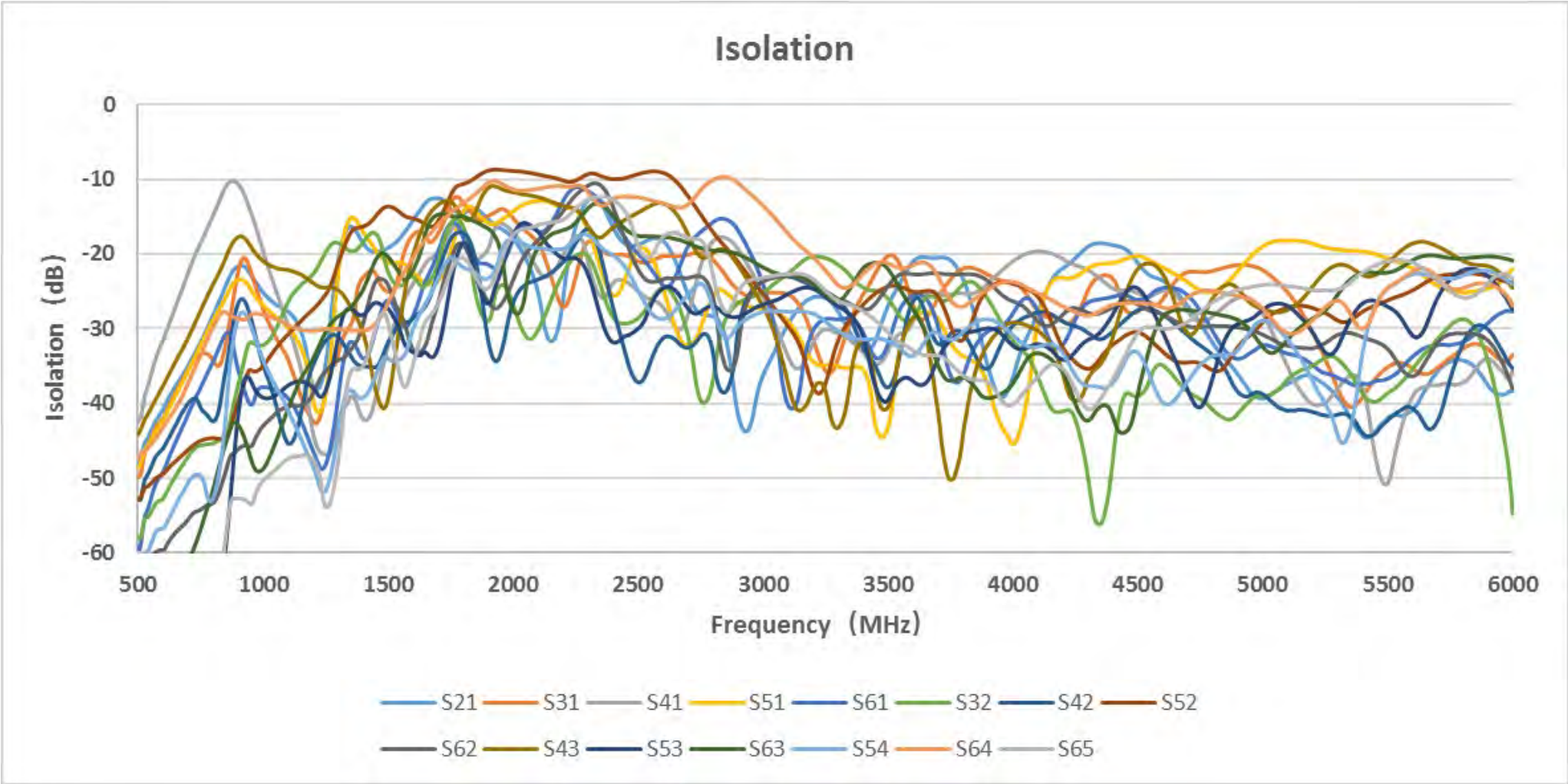
■ Wi-Fi2 Antenna S-Parameter & Efficiency.



WIFI2 Antenna Efficiency			
Frequency	Efficiency	Efficiency	Peak Gain
(MHz)	(dB)	(%)	(dBi)
2.4G Band			
2400	-3.19	47.97	1.39
2420	-3.28	46.99	1.31
2440	-3.30	46.77	1.28
2460	-3.33	46.45	1.23
2480	-3.40	45.71	1.16
2500	-3.65	43.15	0.54

Antenna Test Result

■ Isolation.



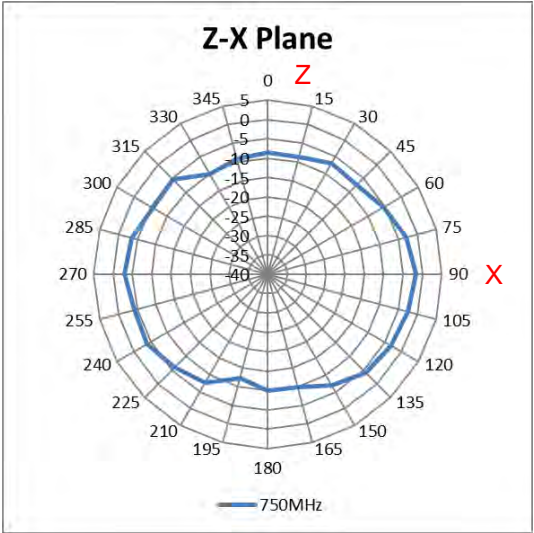
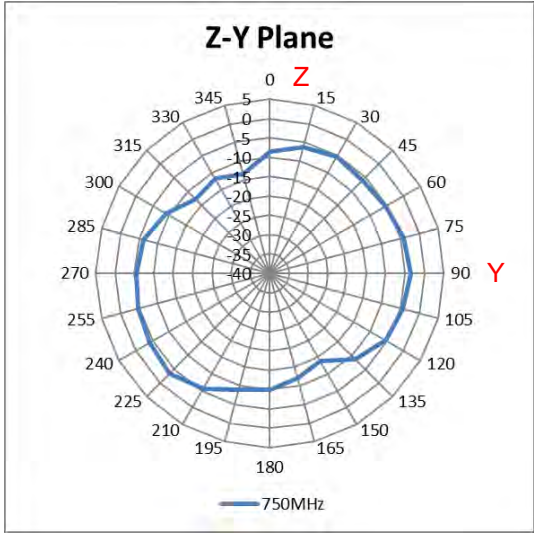
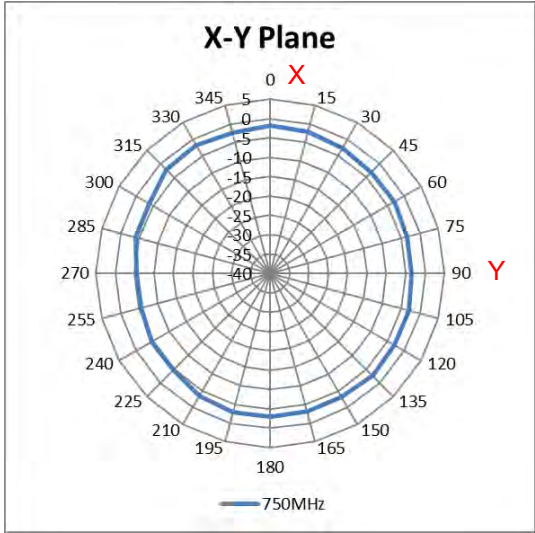
S11: Ant0 (Main)
S22: Ant3 (AUX)

S33: Ant1 (MIMO1)
S44: Ant2 (MIMO2)

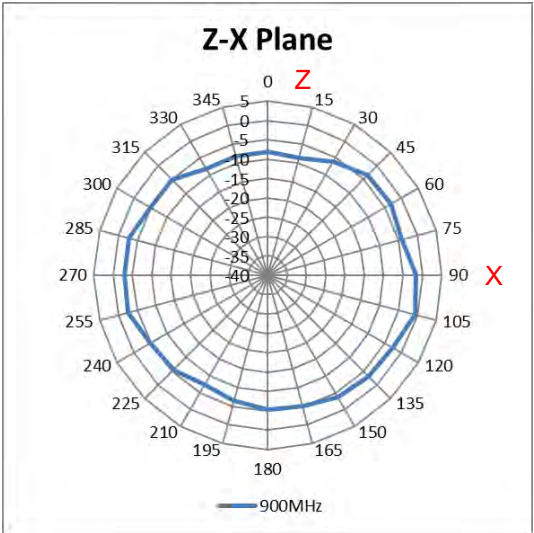
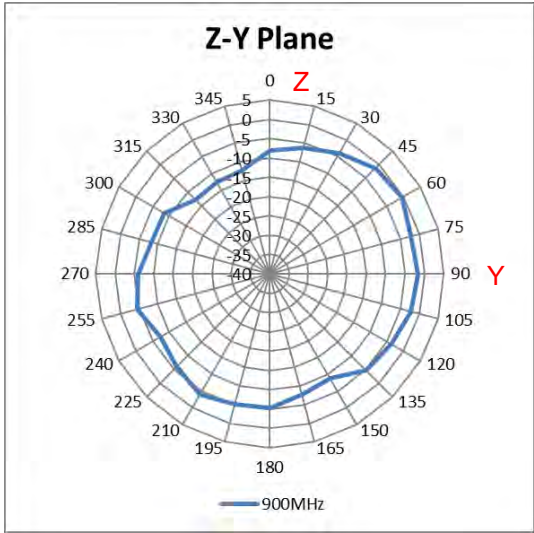
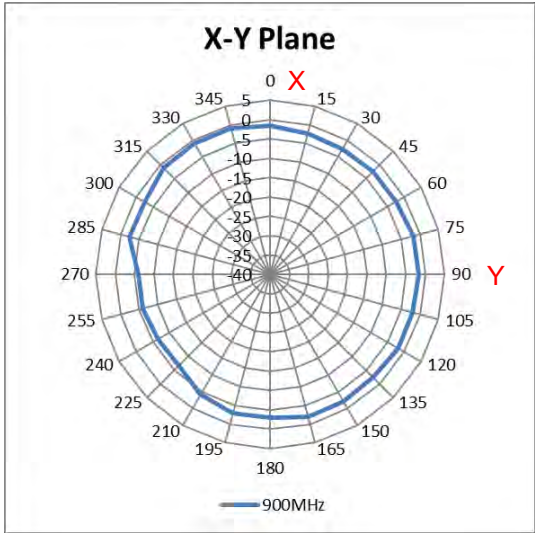
S55: Ant4 (Wi-Fi1)
S66: Ant5 (Wi-Fi2)

2D Radiation Pattern

- Main Antenna
- LB_750MHz

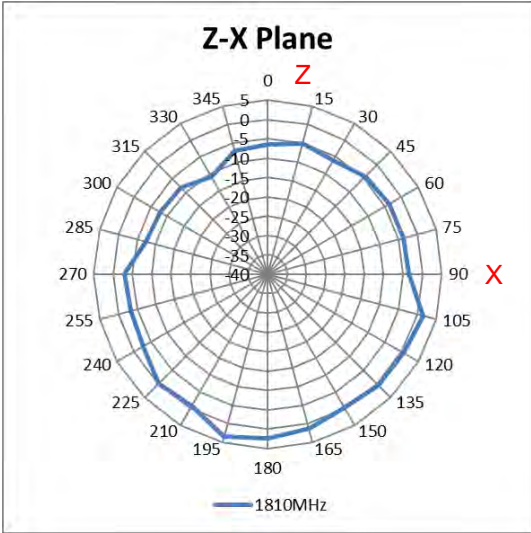
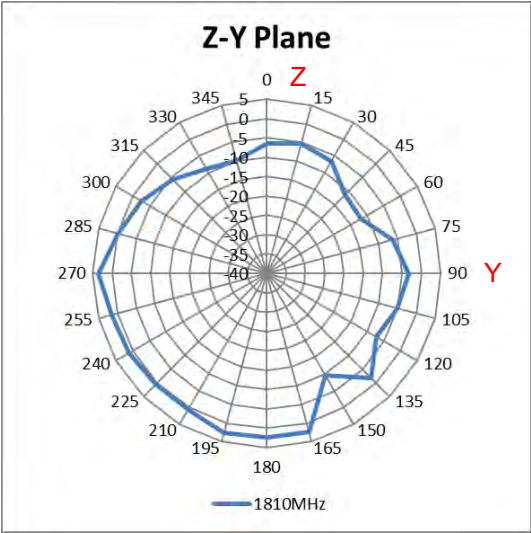
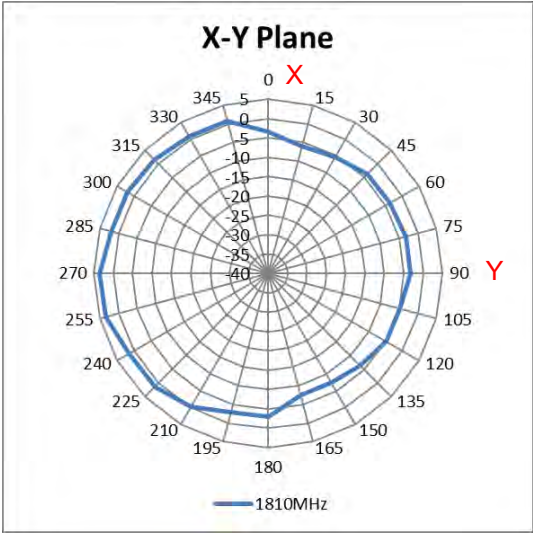


- LB_900MHz

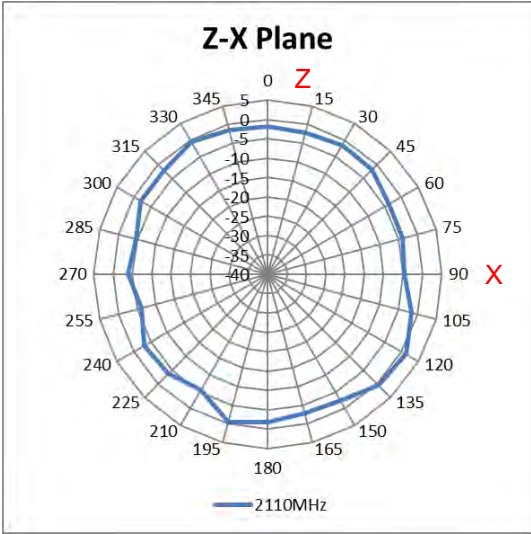
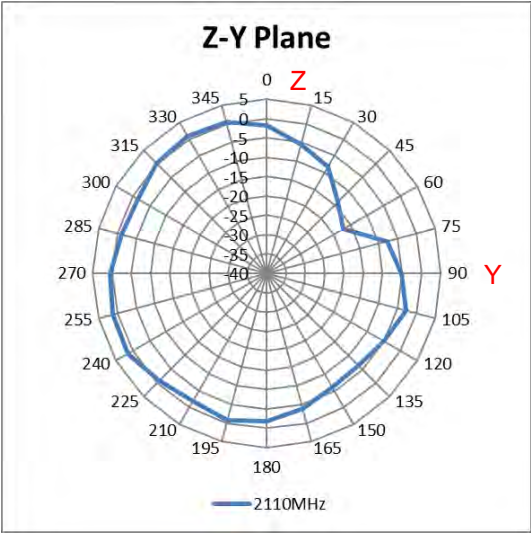
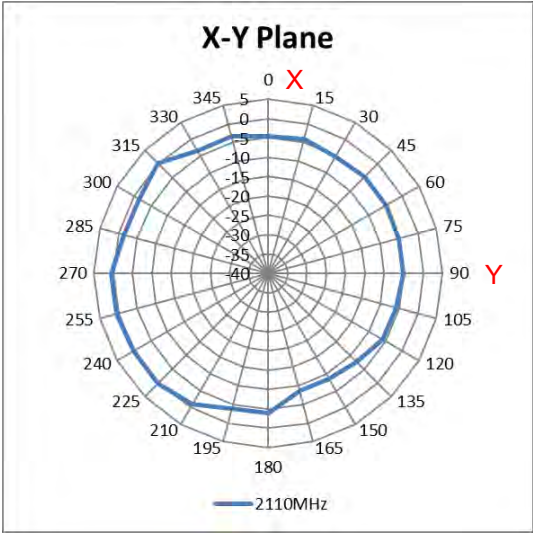


2D Radiation Pattern

- Main Antenna
- MB_1810MHz

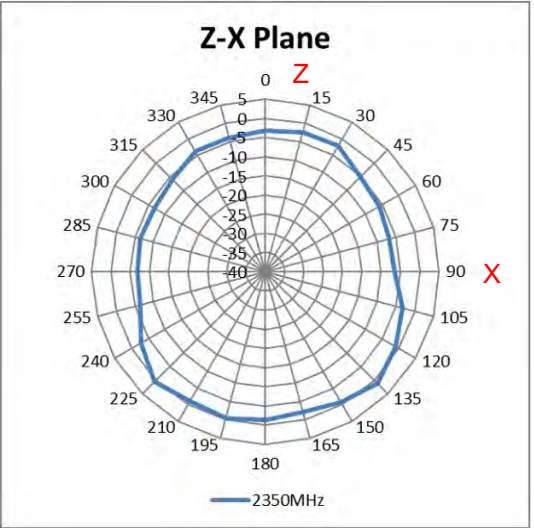
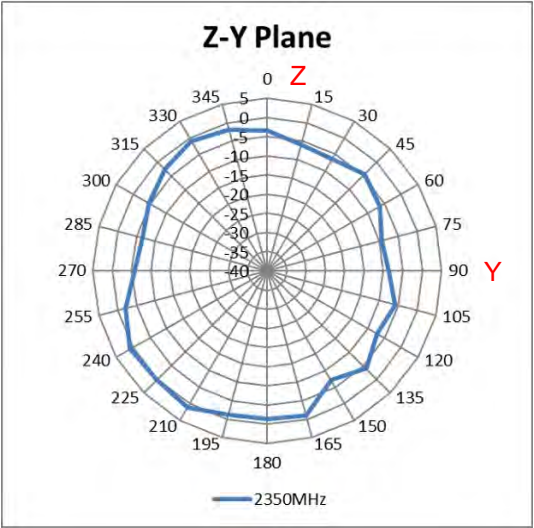
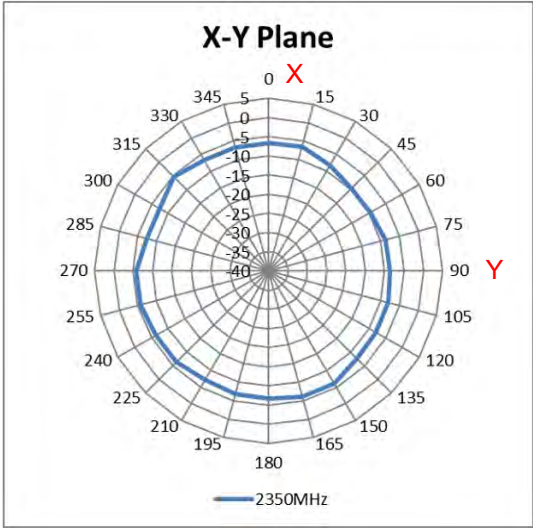


- MB_2110MHz

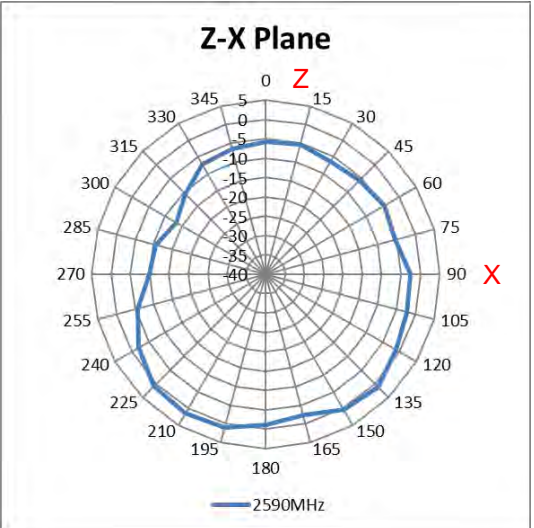
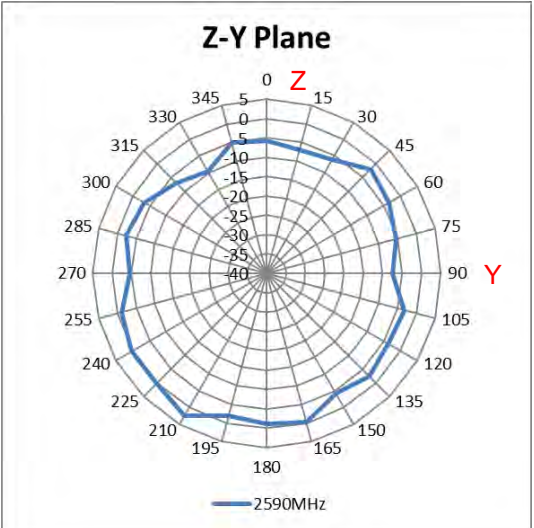
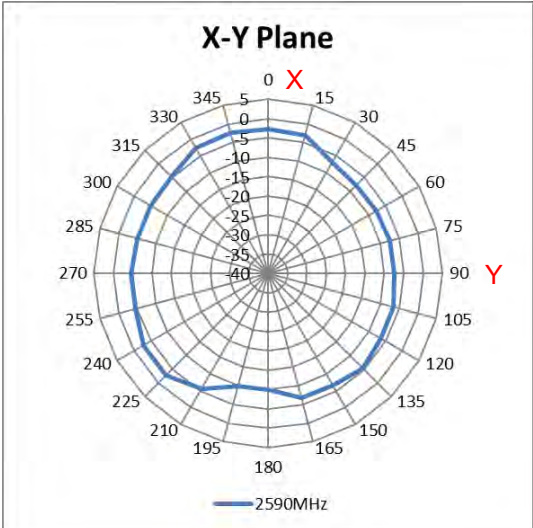


2D Radiation Pattern

- Main Antenna
- HB_2350MHz

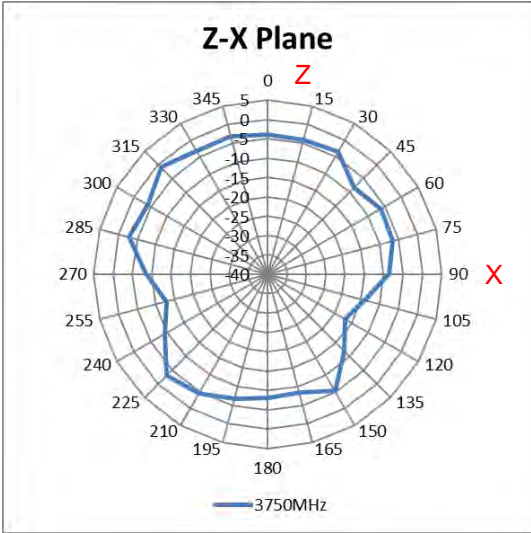
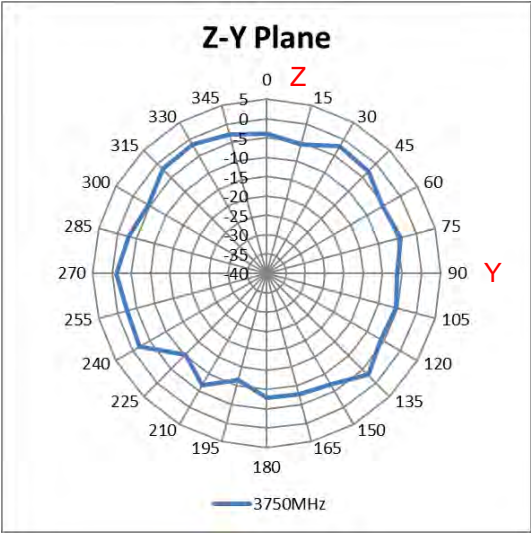
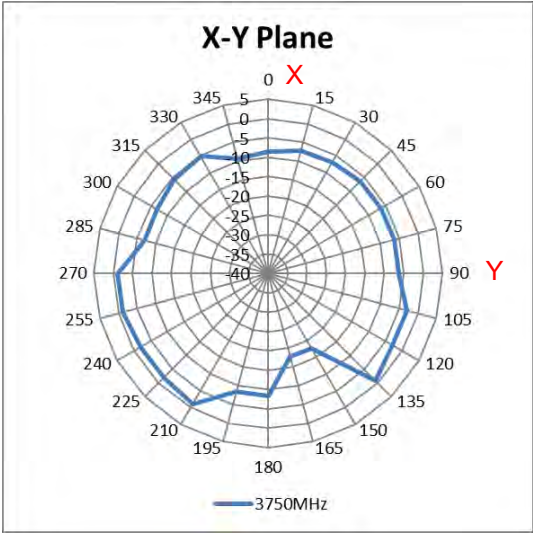


- HB_2590MHz



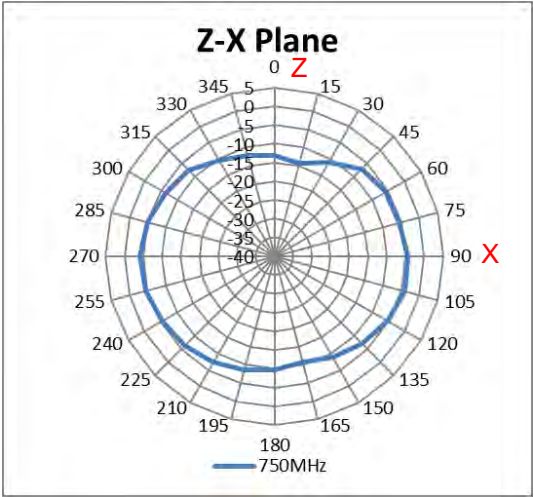
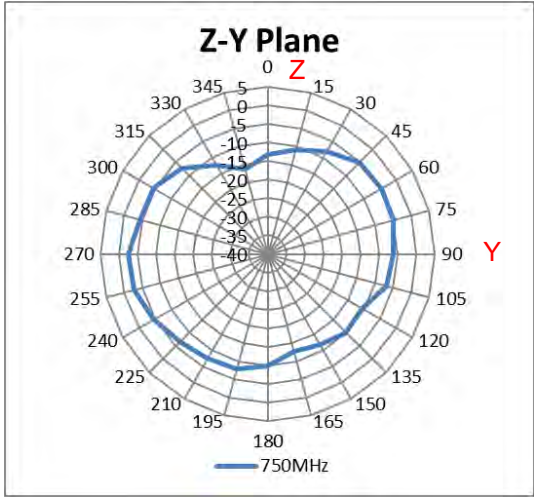
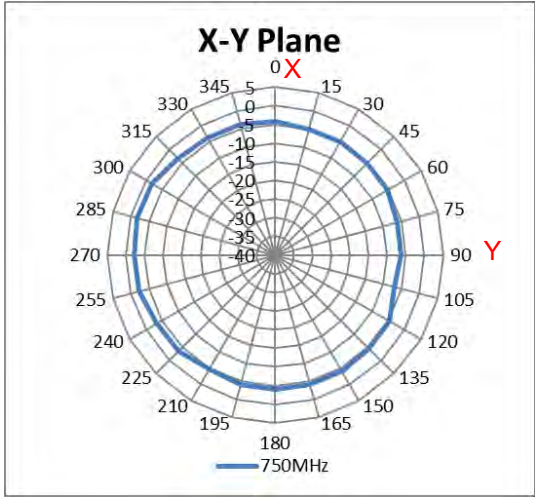
2D Radiation Pattern

- Main Antenna
- UHB_3750MHz

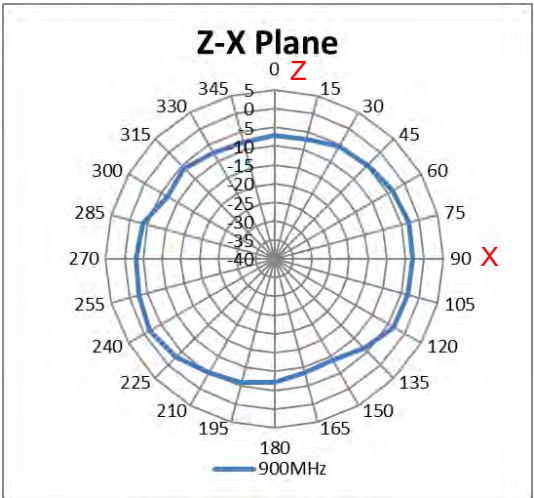
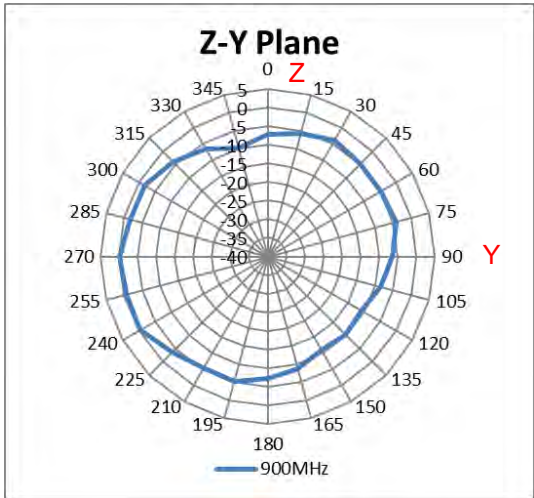
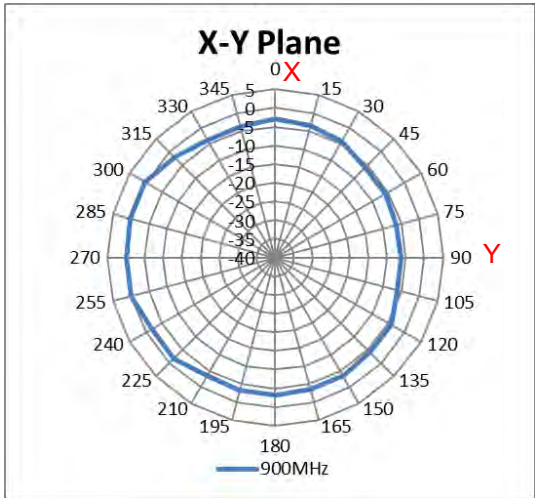


2D Radiation Pattern

- AUX Antenna
- LB_750MHz

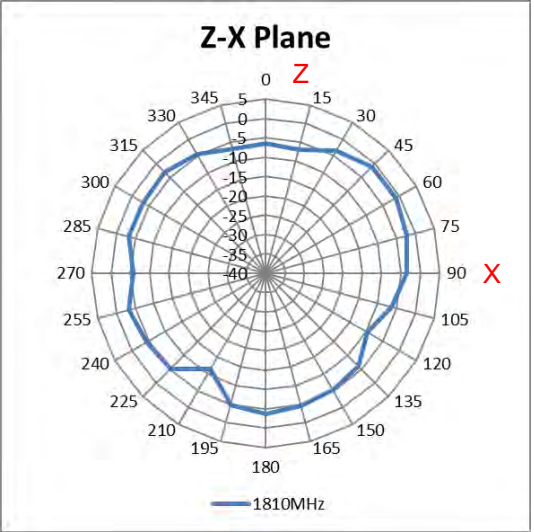
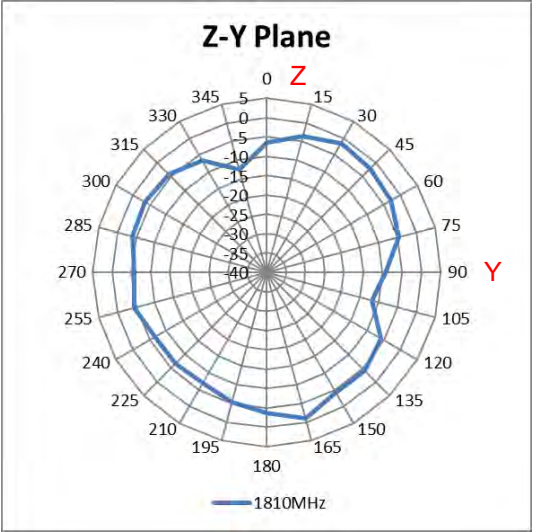
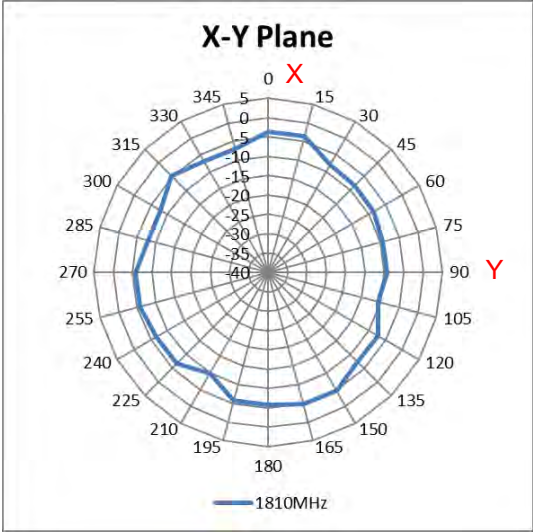


- LB_900MHz

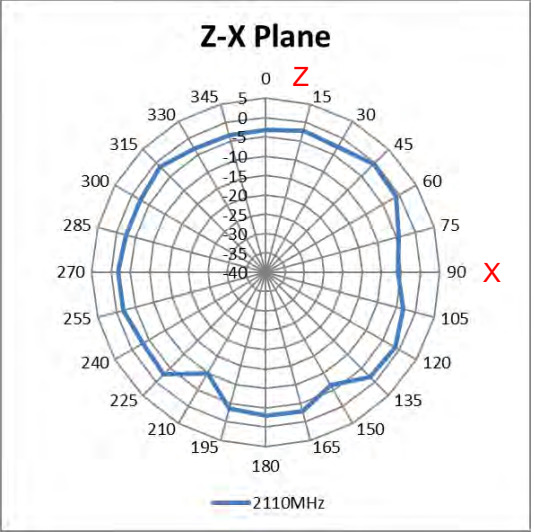
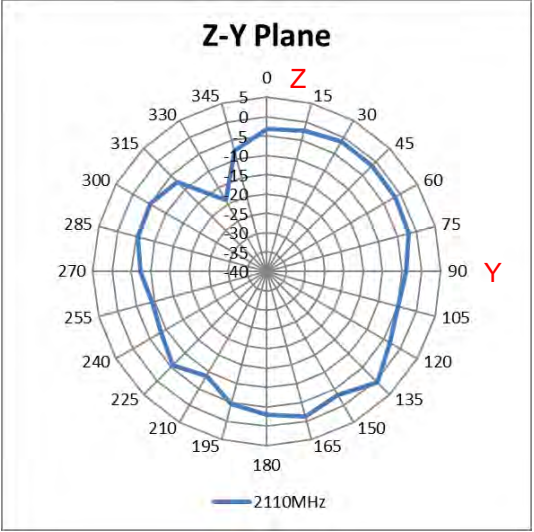
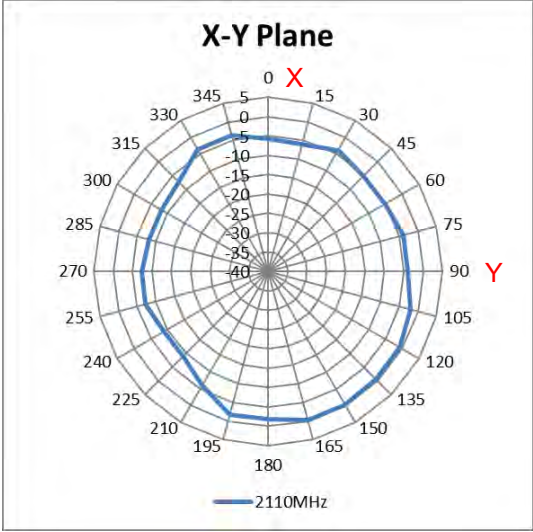


2D Radiation Pattern

- AUX Antenna
- MB_1810MHz

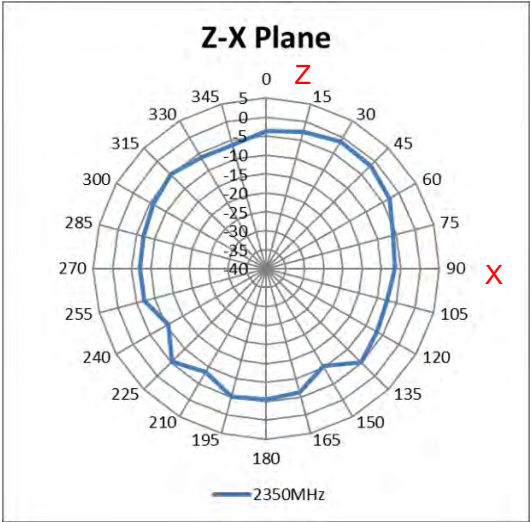
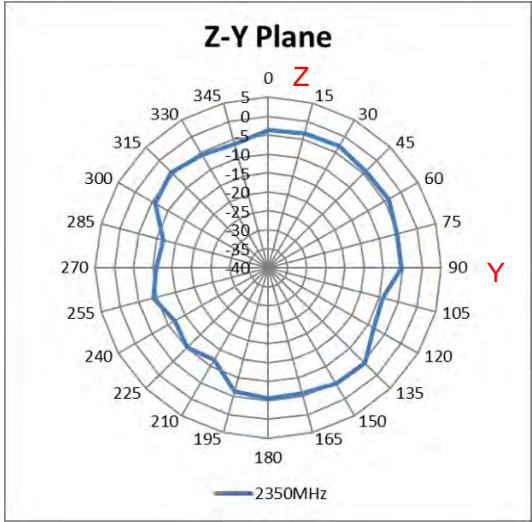
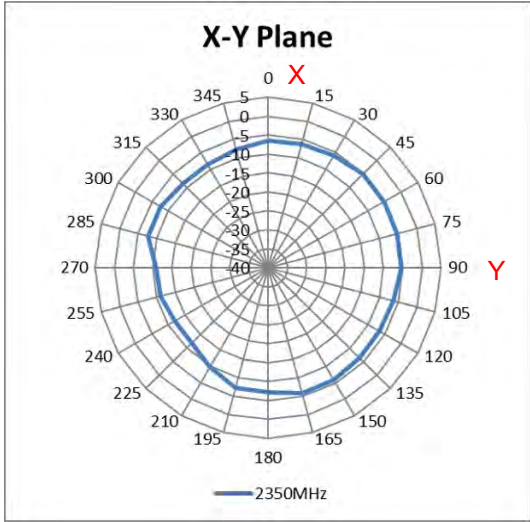


- MB_2110MHz

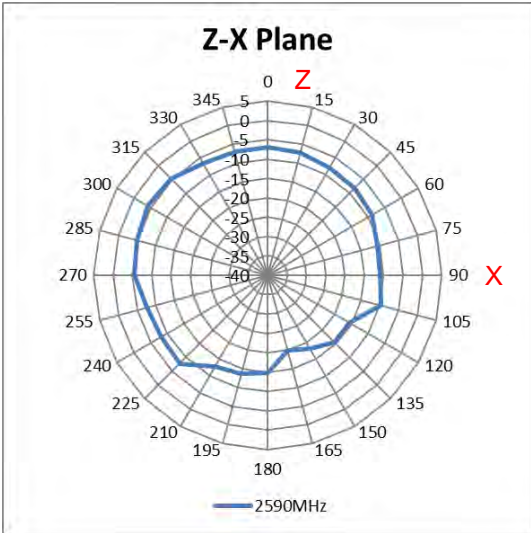
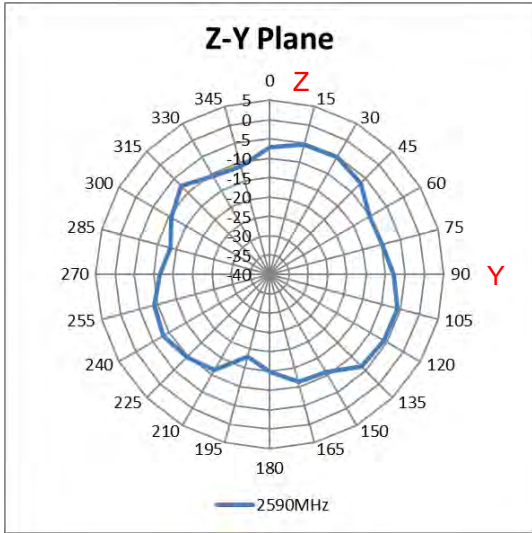
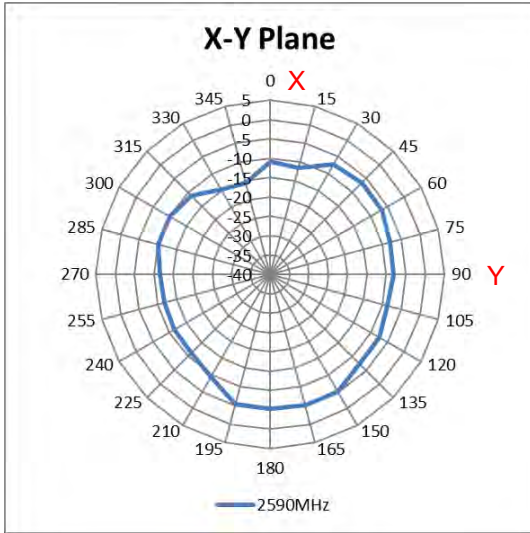


2D Radiation Pattern

- AUX Antenna
- HB_2350MHz

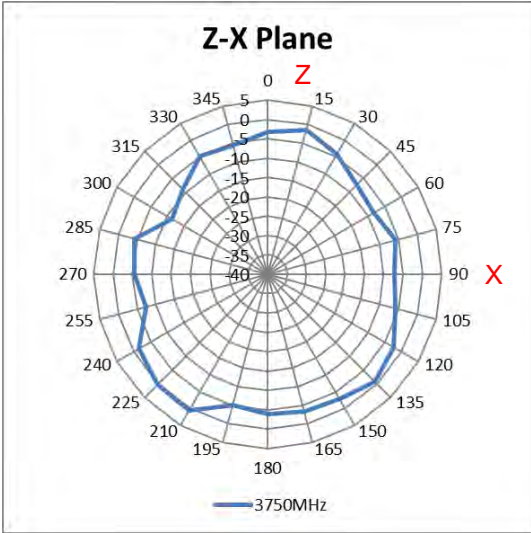
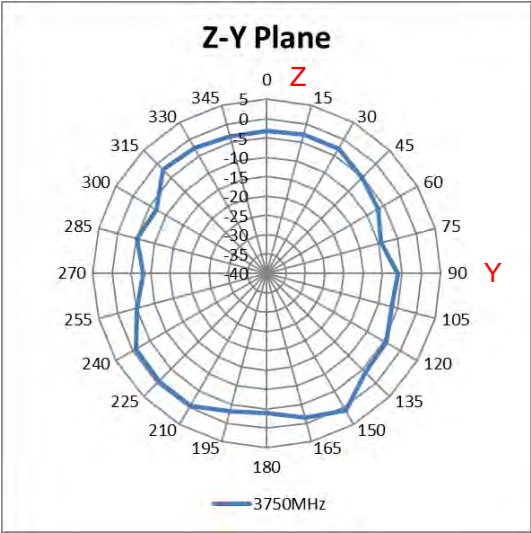
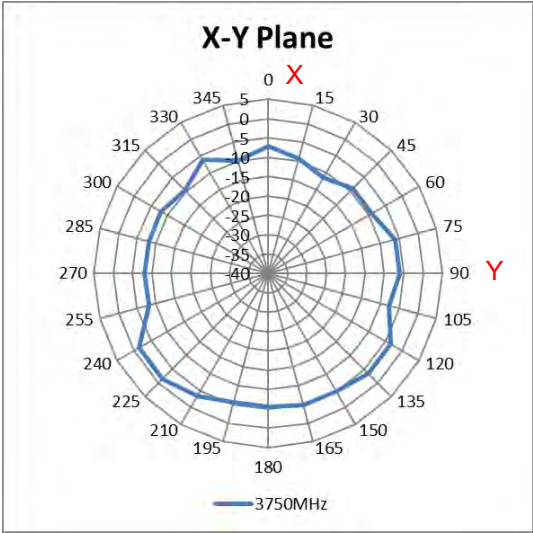


- HB_2590MHz



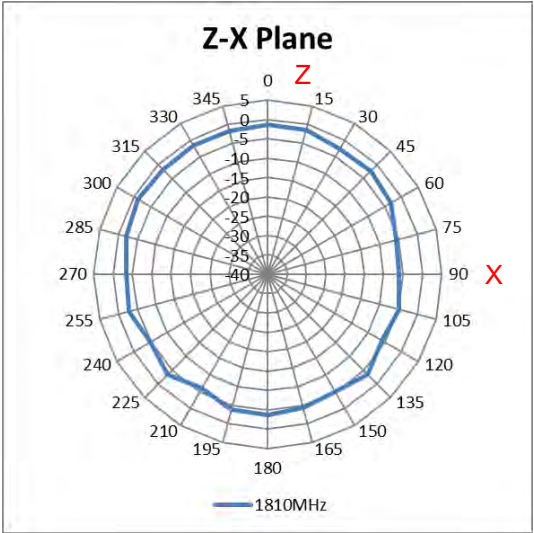
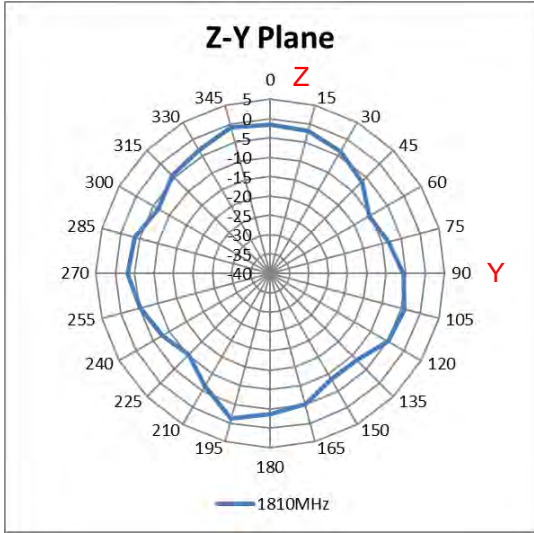
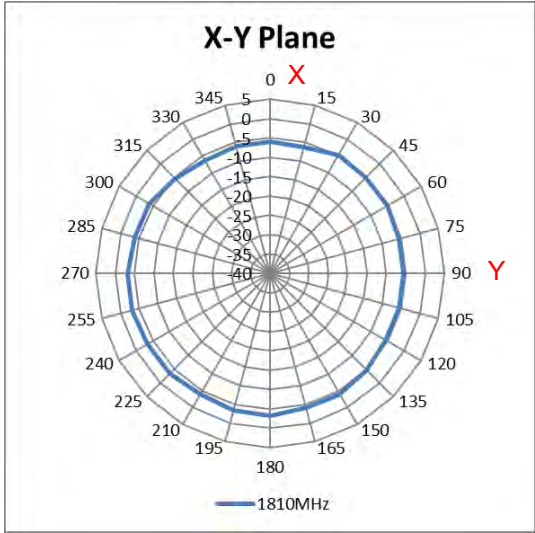
2D Radiation Pattern

- AUX Antenna
- UHB_3750MHz

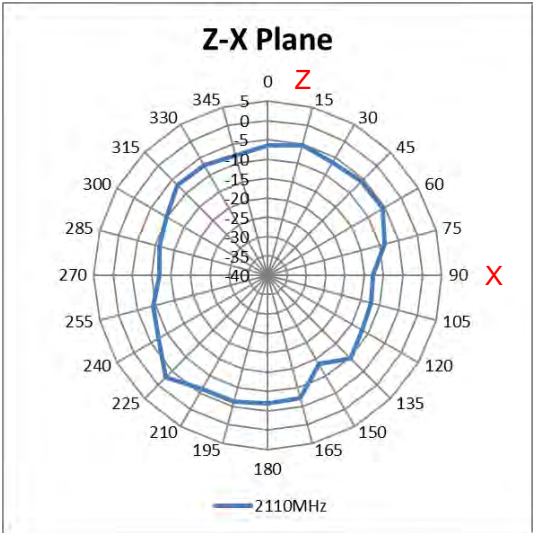
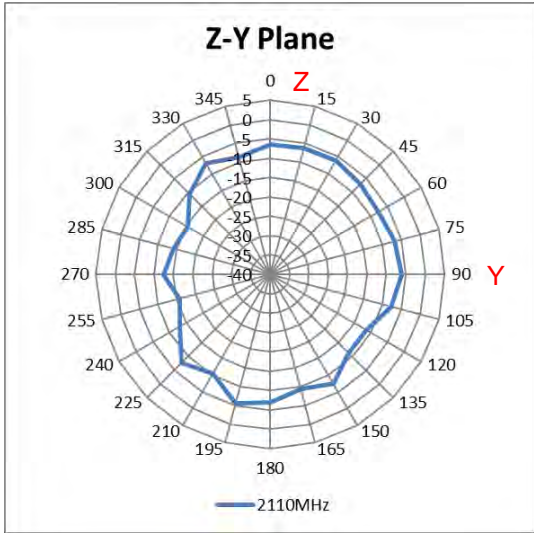
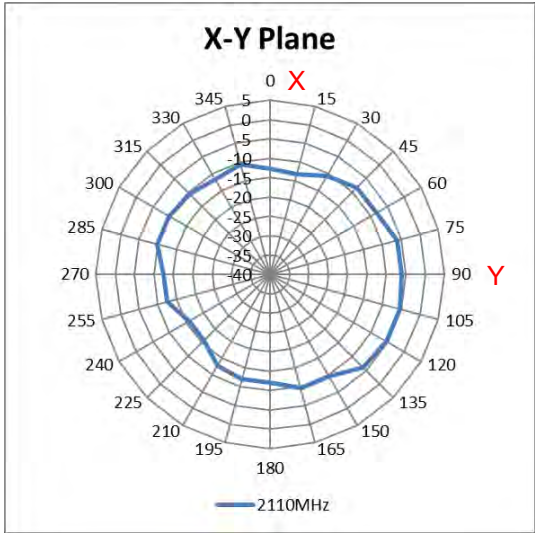


2D Radiation Pattern

- MIMO1 Antenna
- MB_1810MHz

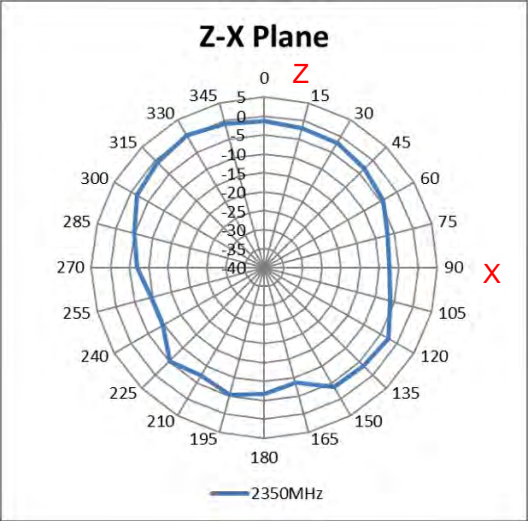
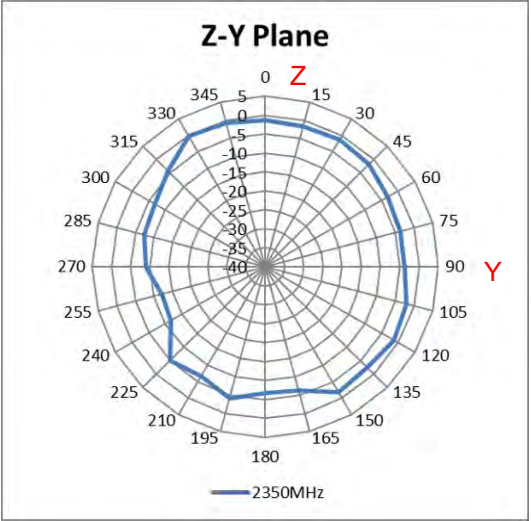
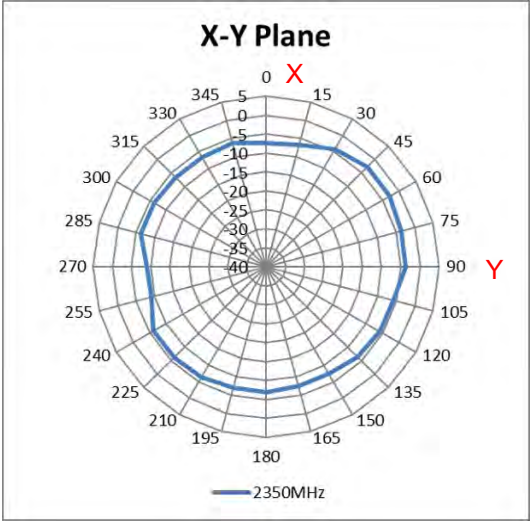


- MB_2110MHz

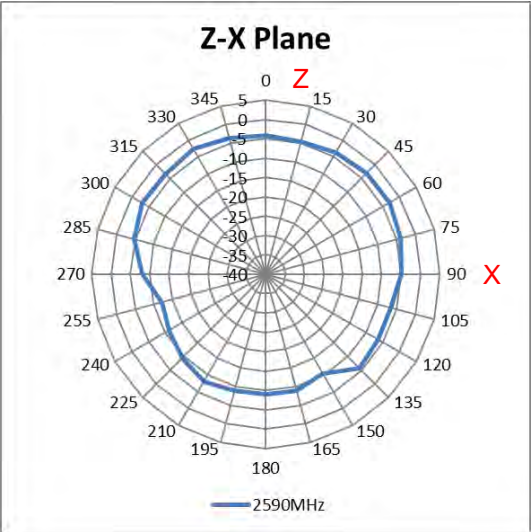
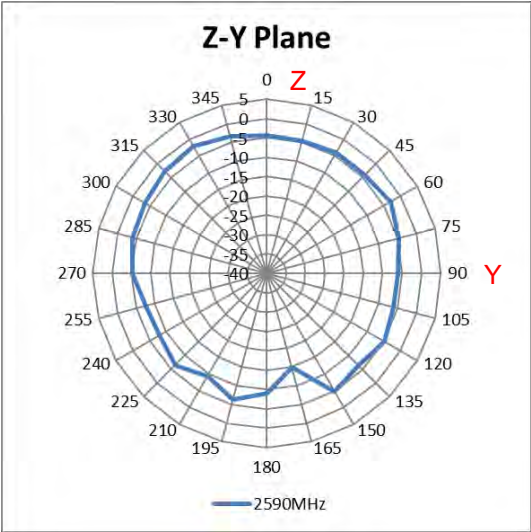
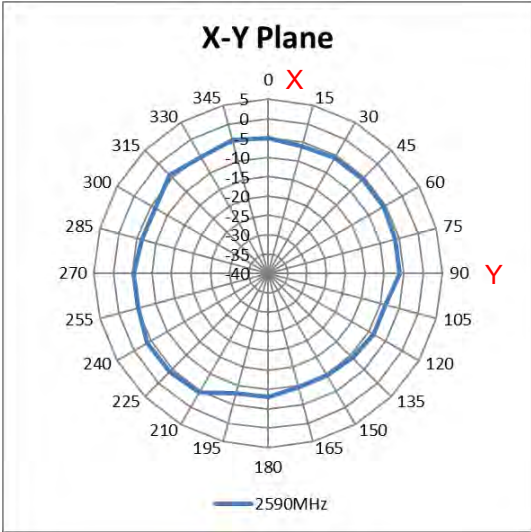


2D Radiation Pattern

- MIMO1 Antenna
- HB_2350MHz

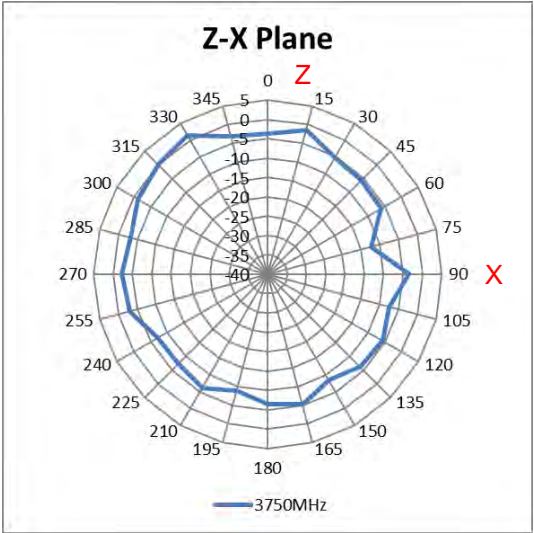
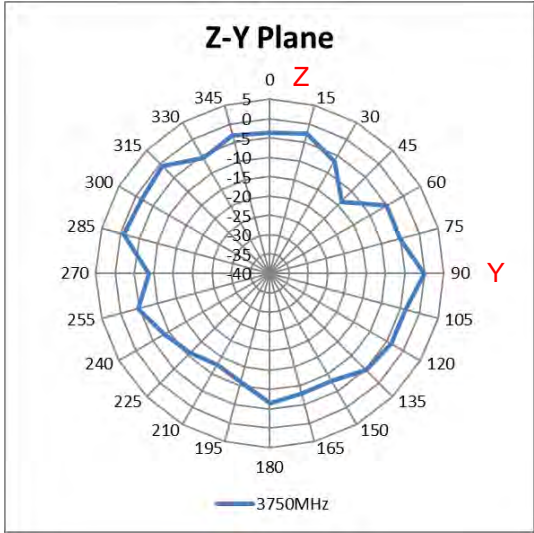
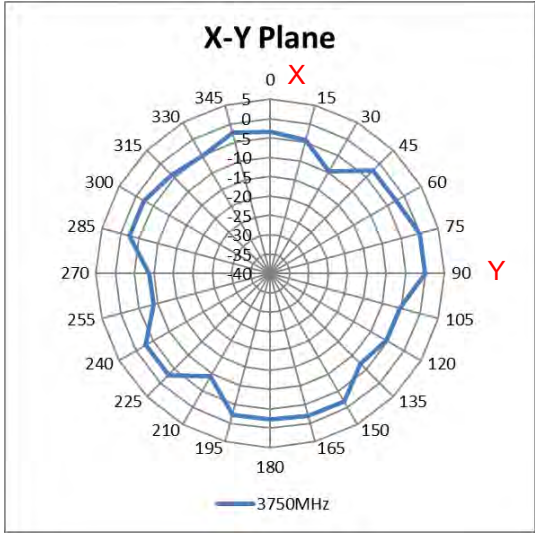


- HB_2590MHz



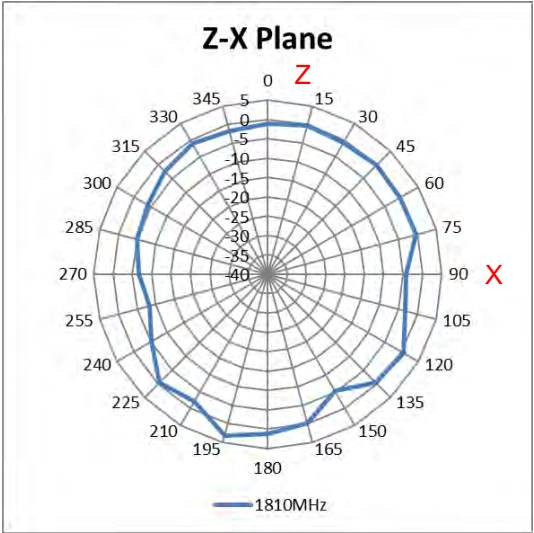
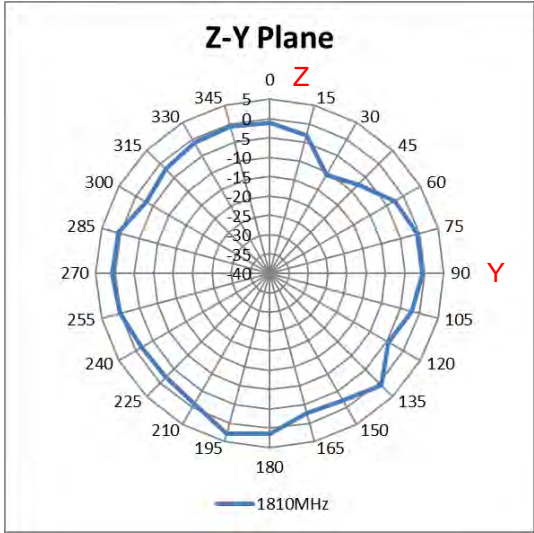
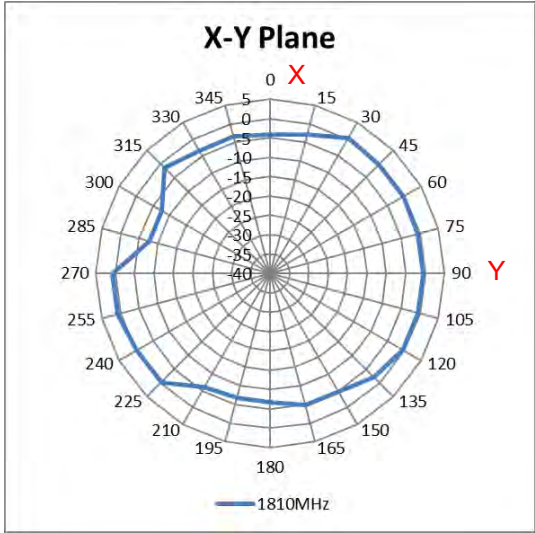
2D Radiation Pattern

- MIMO1 Antenna
- UHB_3750MHz

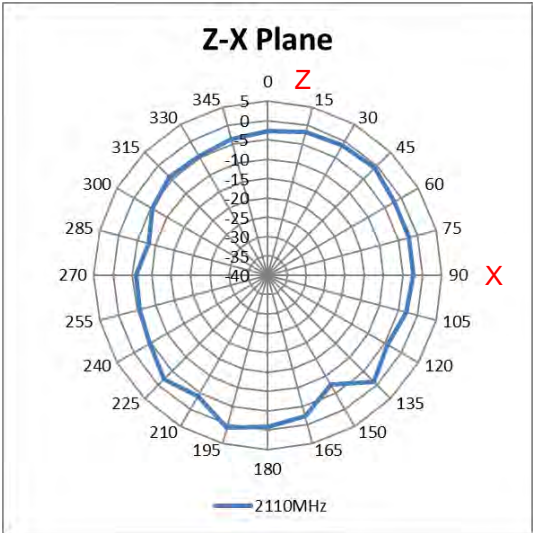
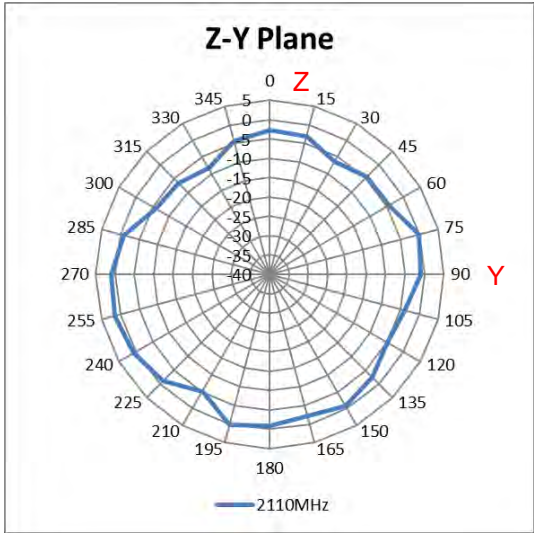
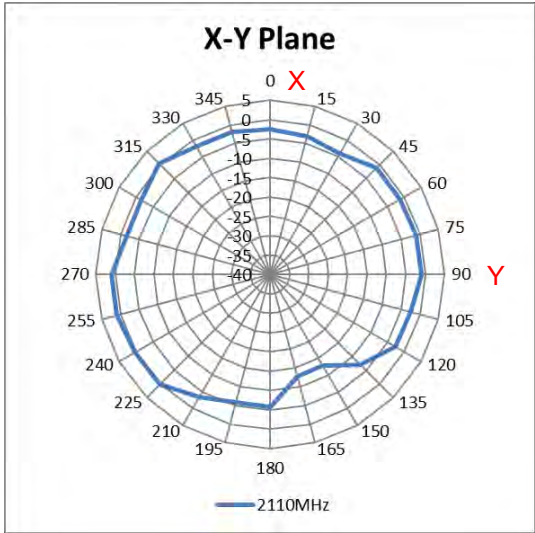


2D Radiation Pattern

- MIMO2 Antenna
- MB_1810MHz

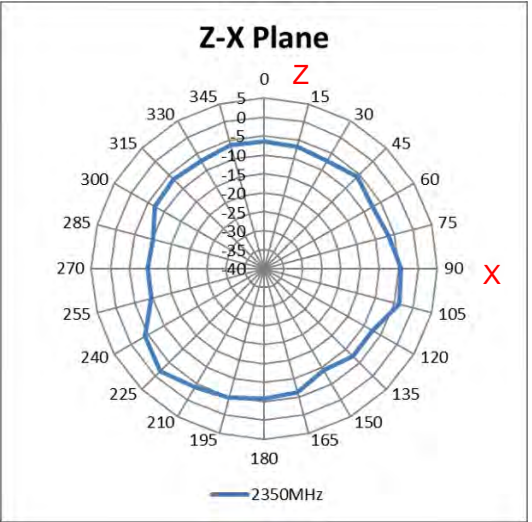
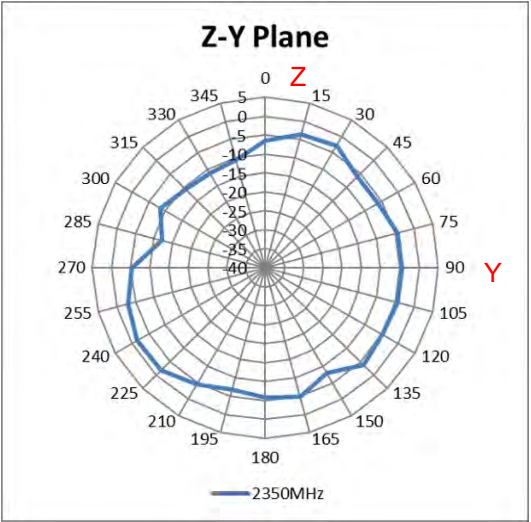
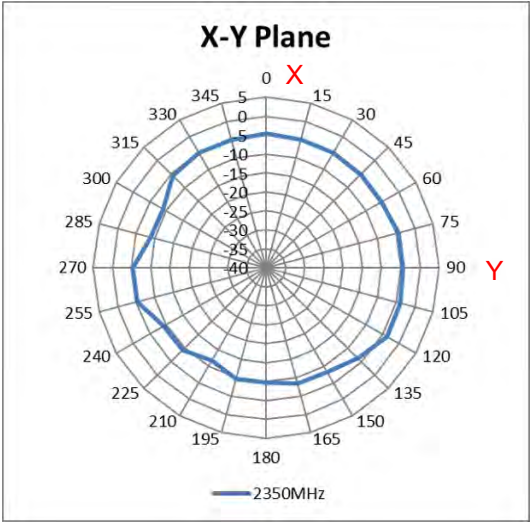


- MB_2110MHz

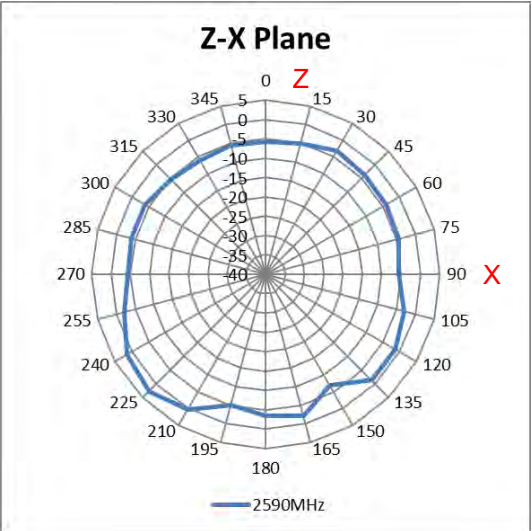
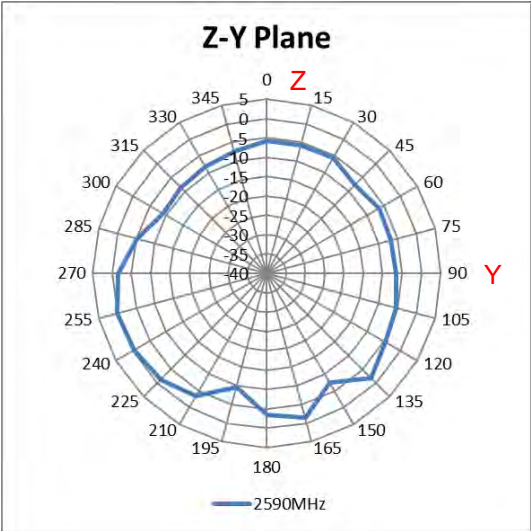
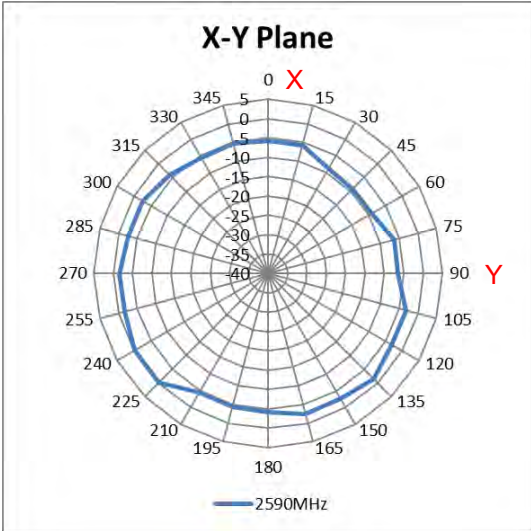


2D Radiation Pattern

- MIMO2 Antenna
- HB_2350MHz

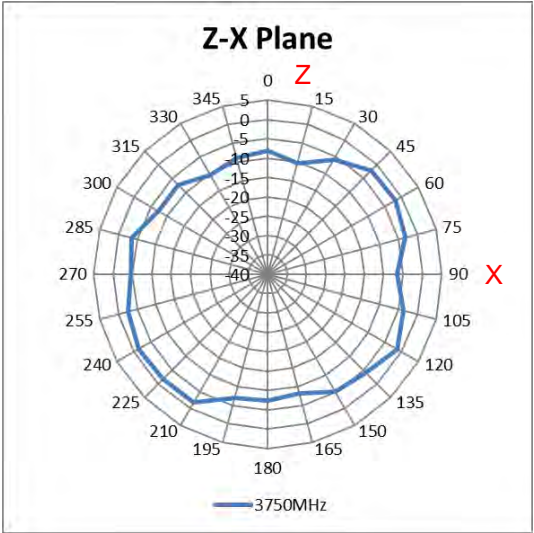
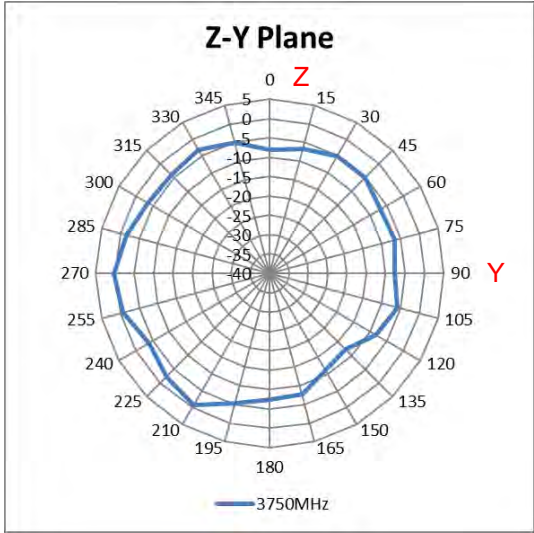
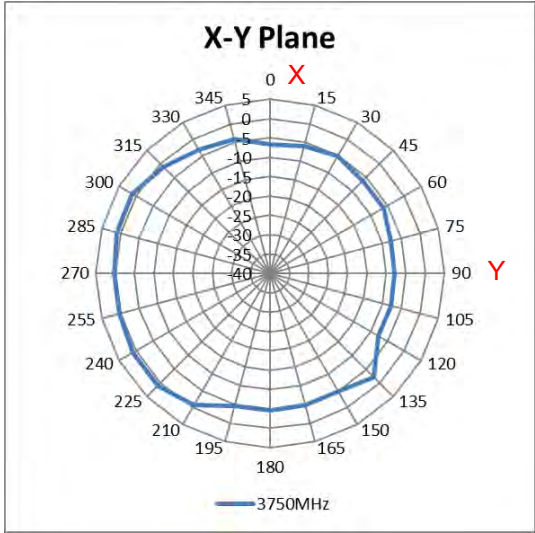


- HB_2590MHz



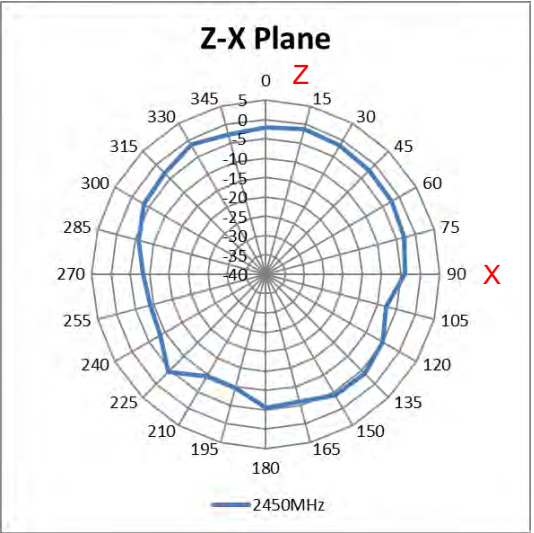
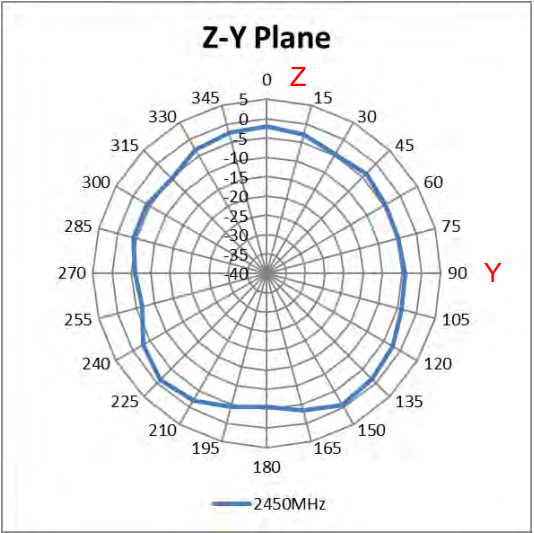
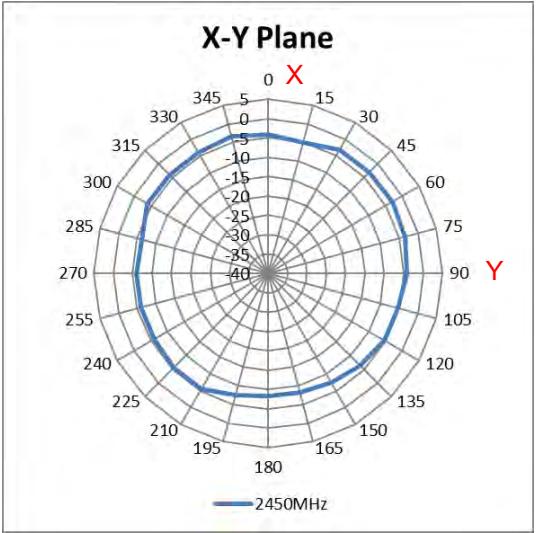
2D Radiation Pattern

- MIMO2 Antenna
- UHB_3750MHz

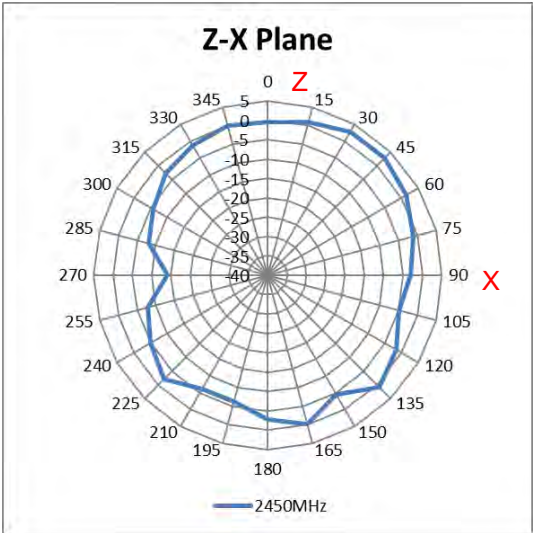
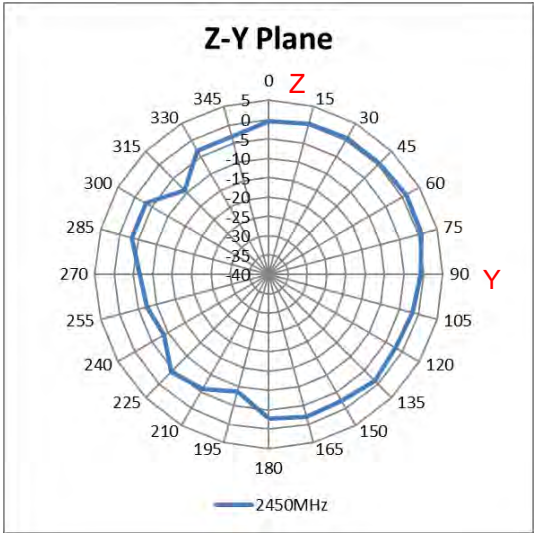
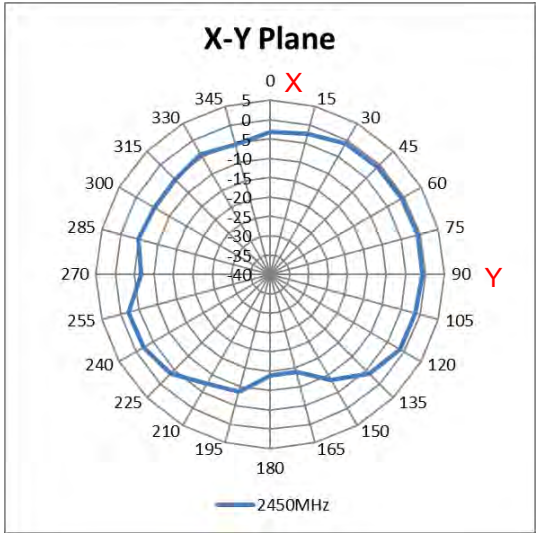


2D Radiation Pattern

- Wi-Fi Antenna
- Wi-Fi1 2.4G Band_2450MHz

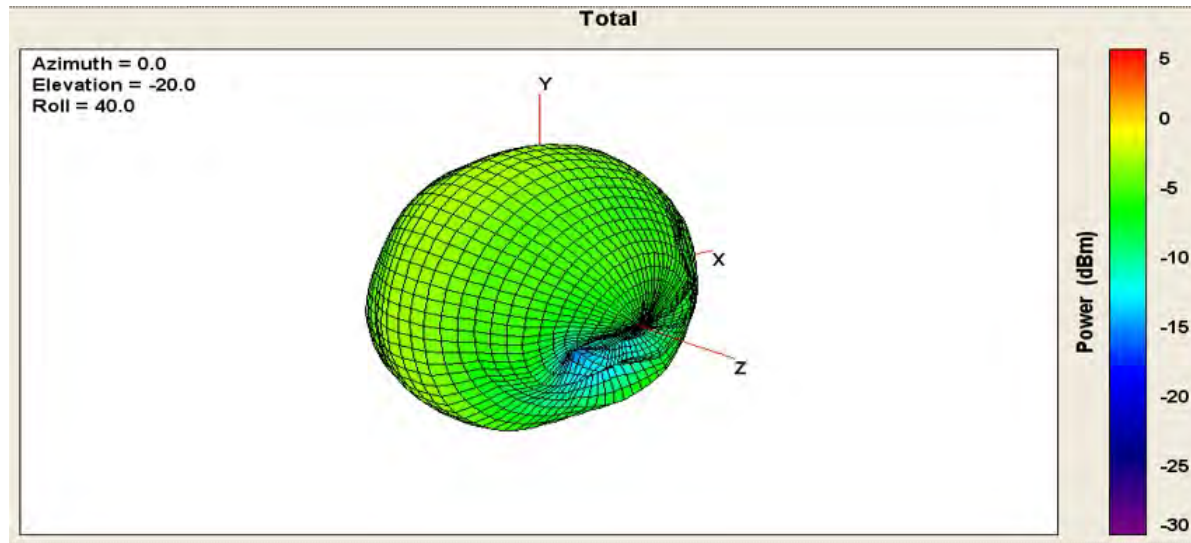


- Wi-Fi2 2.4G Band_2450MHz

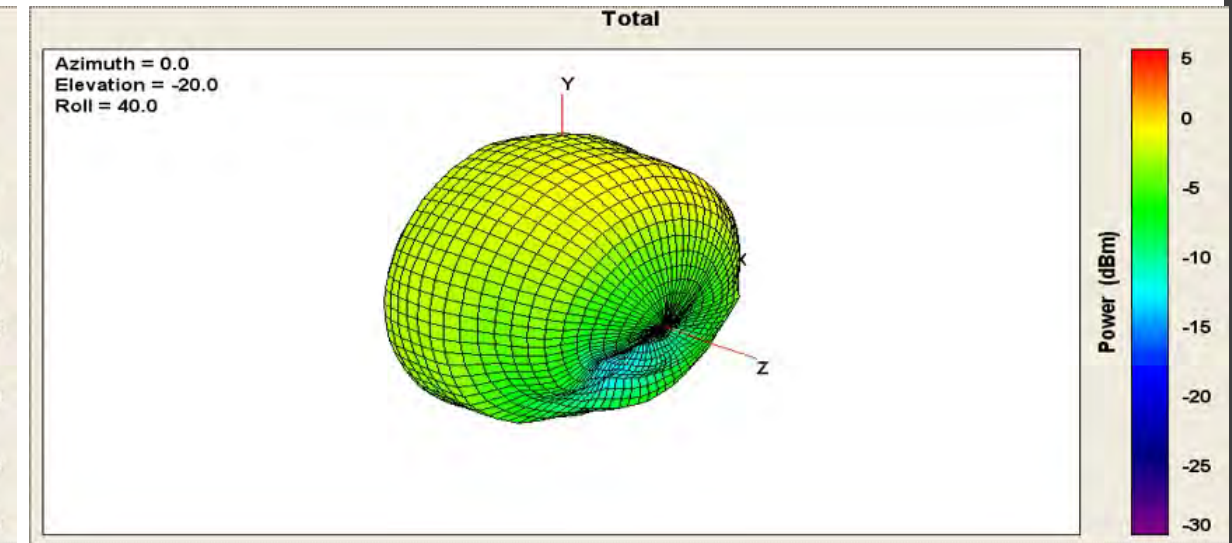


3D Radiation Pattern

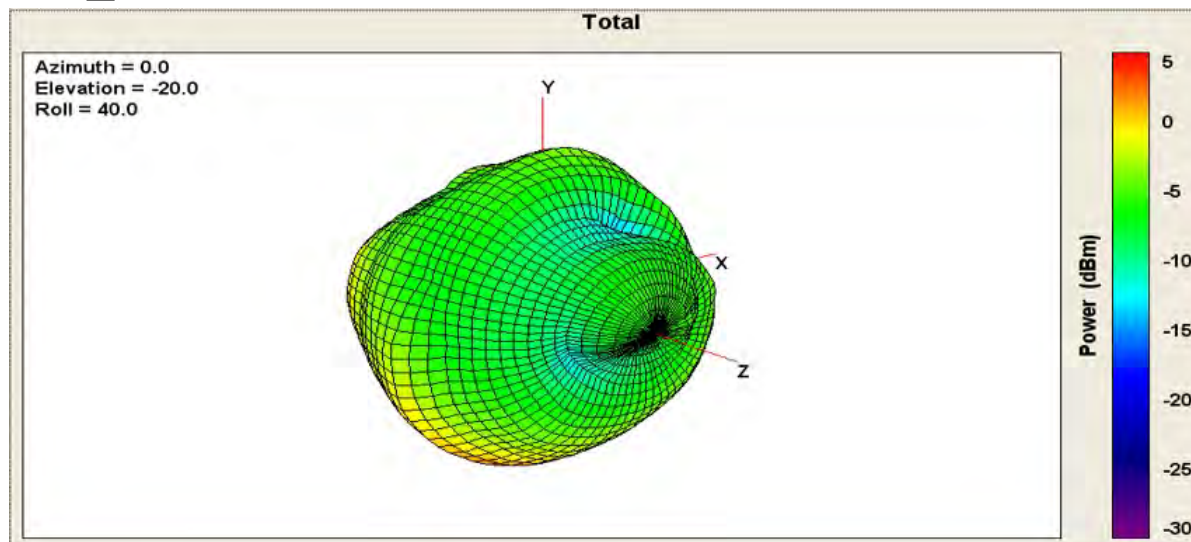
- Main Antenna
- LB_750MHz



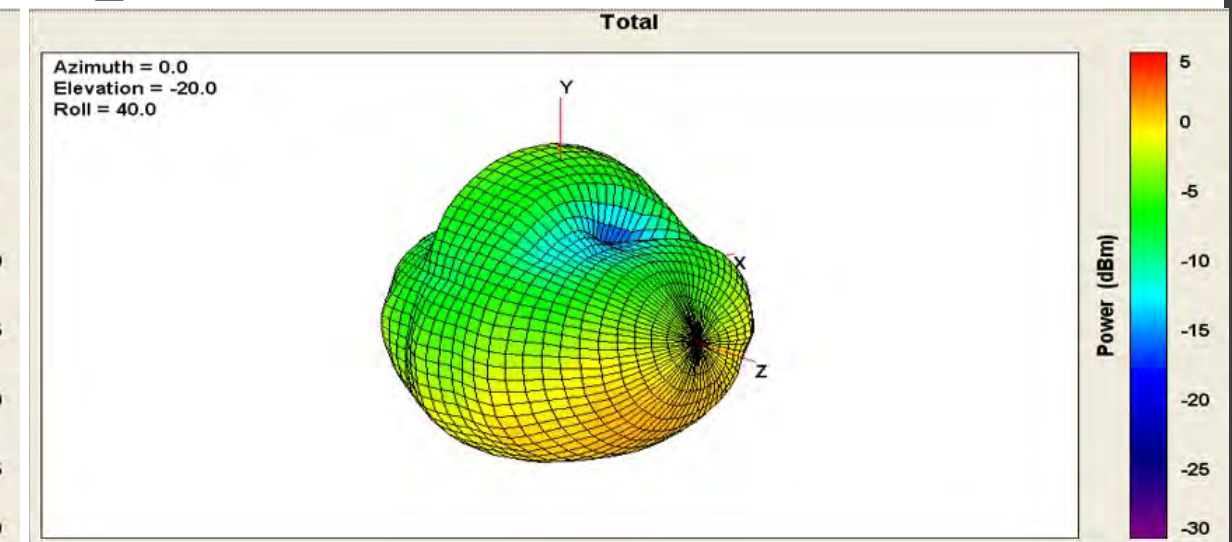
LB_900MHz



- MB_1810MHz

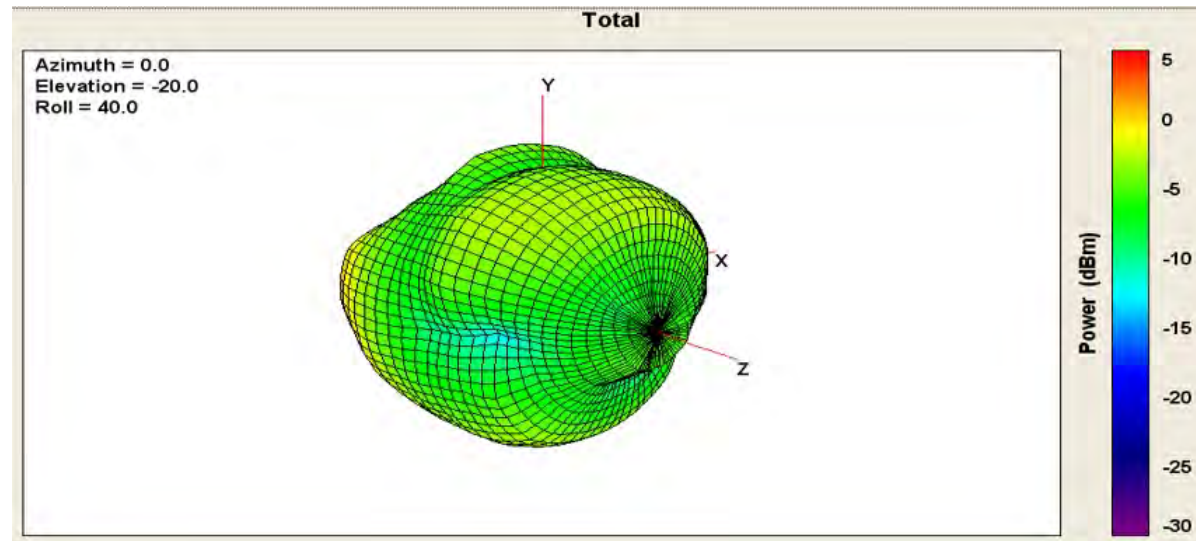


MB_2110MHz

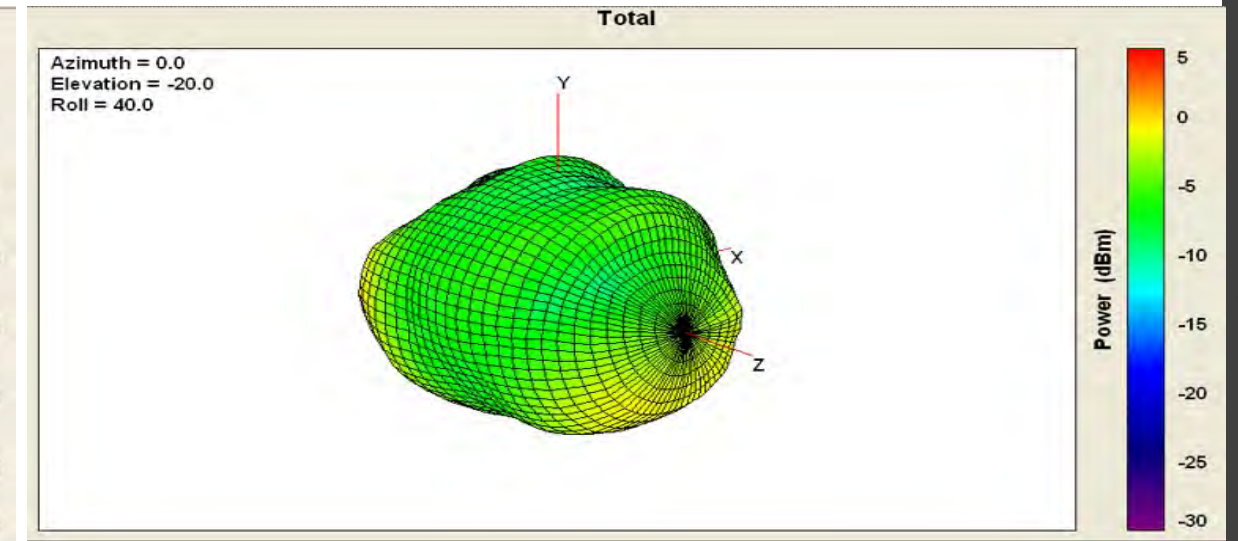


3D Radiation Pattern

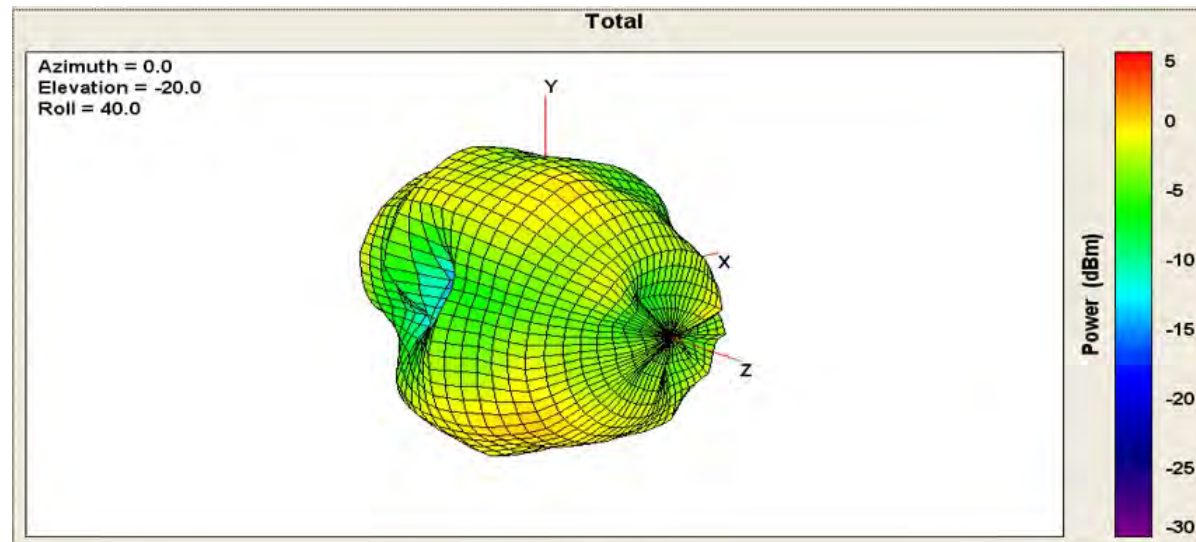
- Main Antenna
- HB_2590MHz



HB_2350MHz

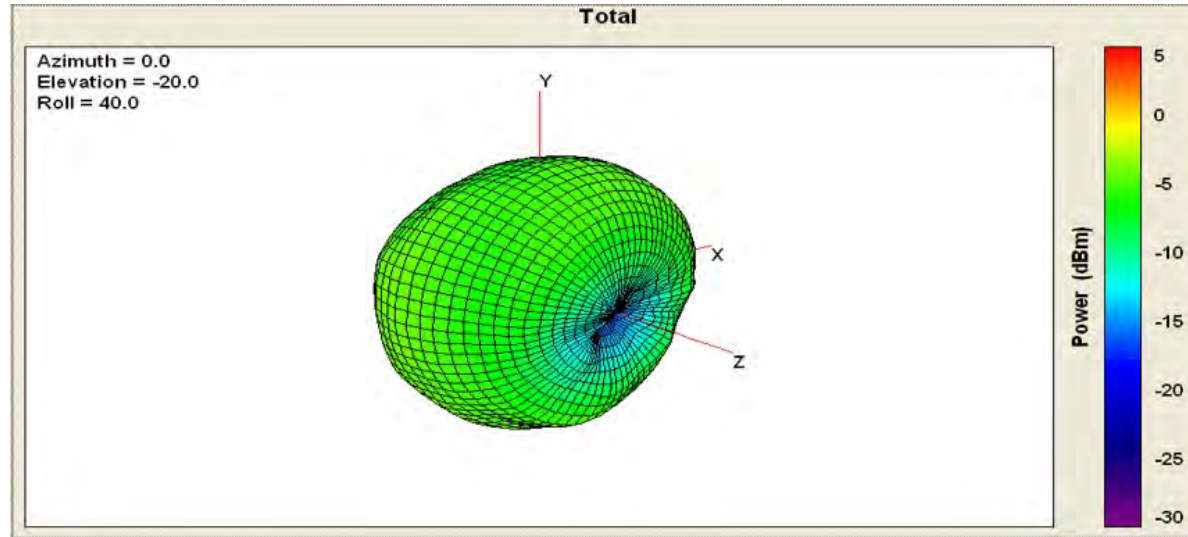


- UHB_3750MHz

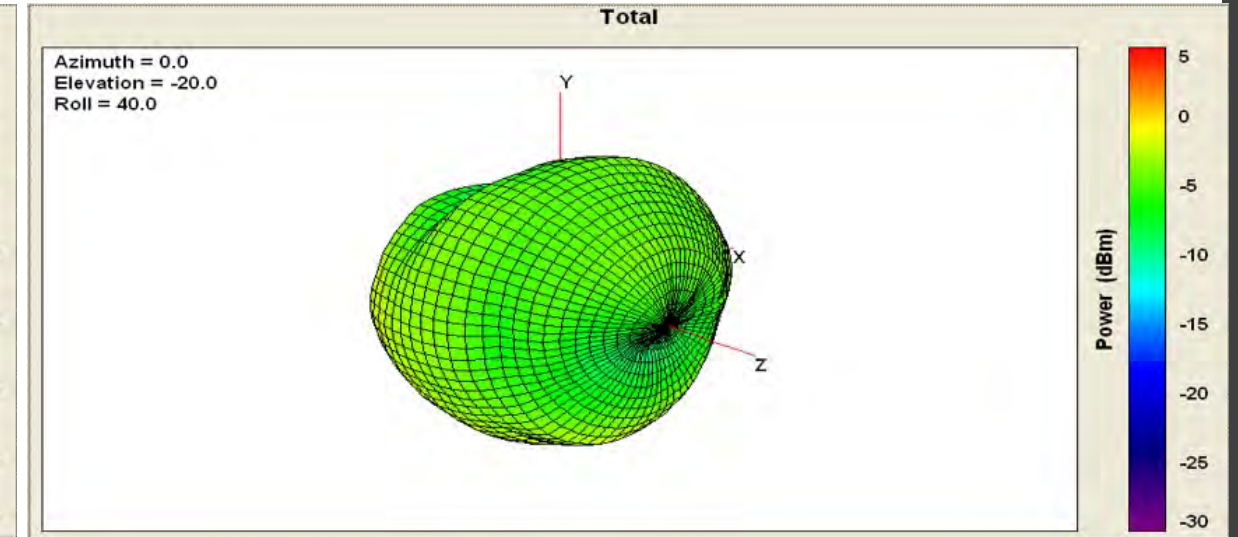


3D Radiation Pattern

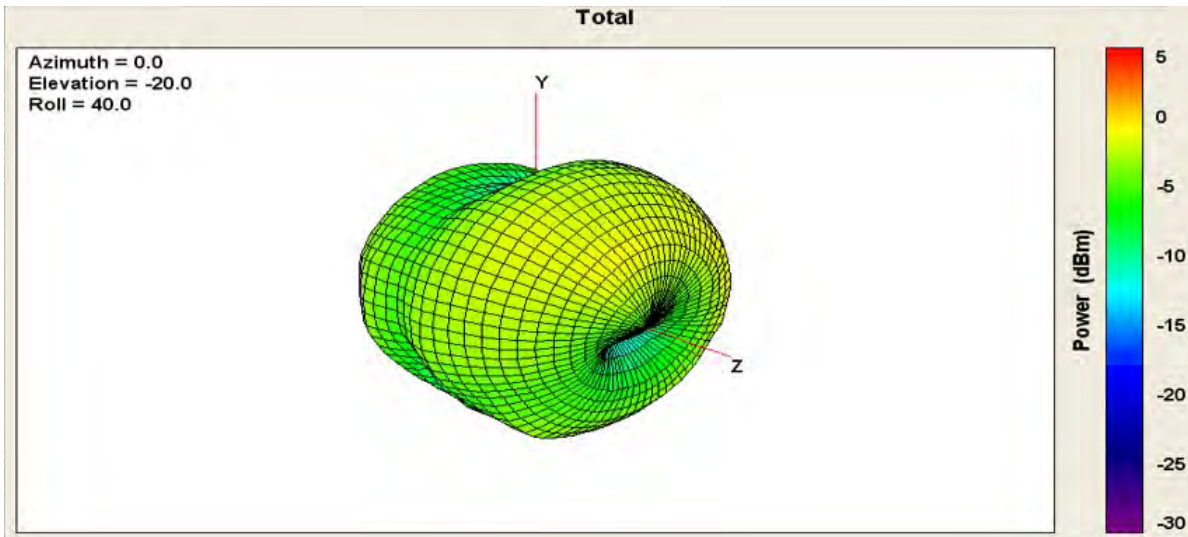
- AUX Antenna
- LB_750MHz



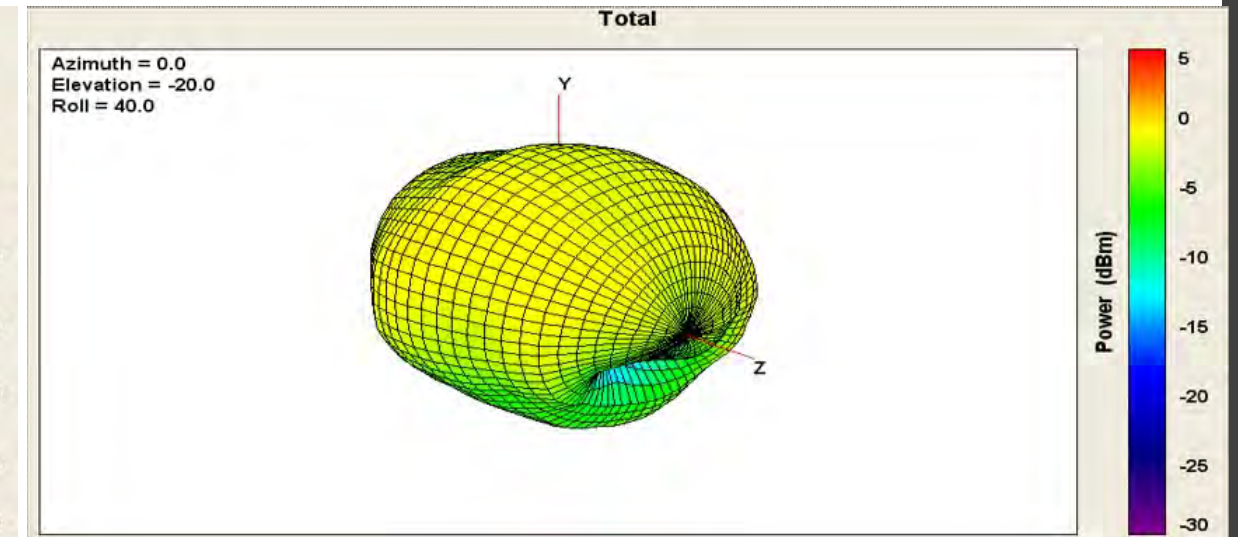
LB_900MHz



- MB_1810MHz



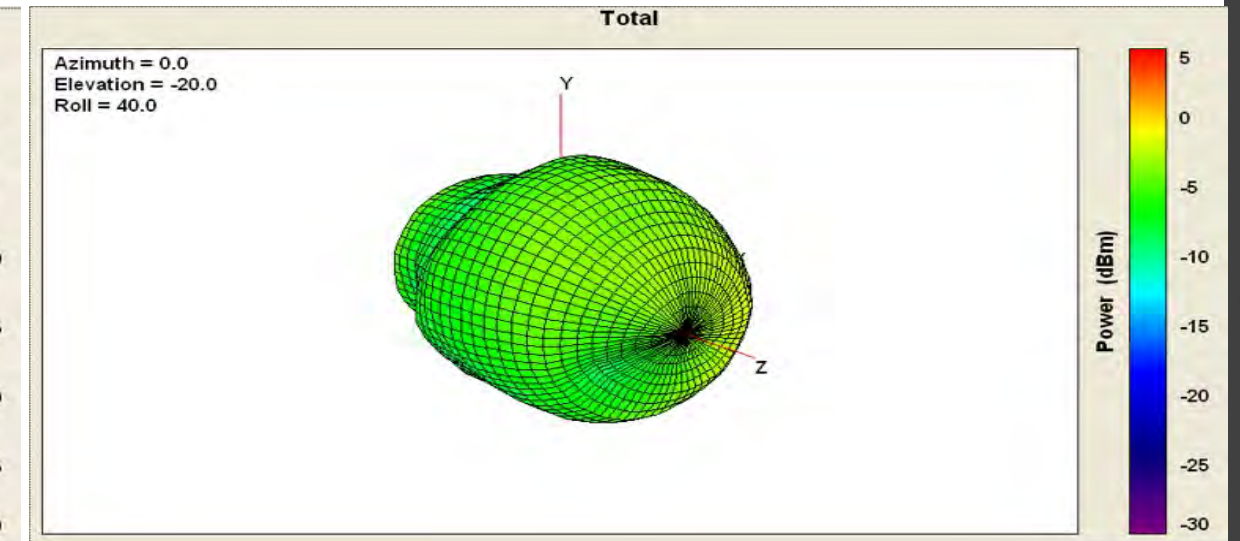
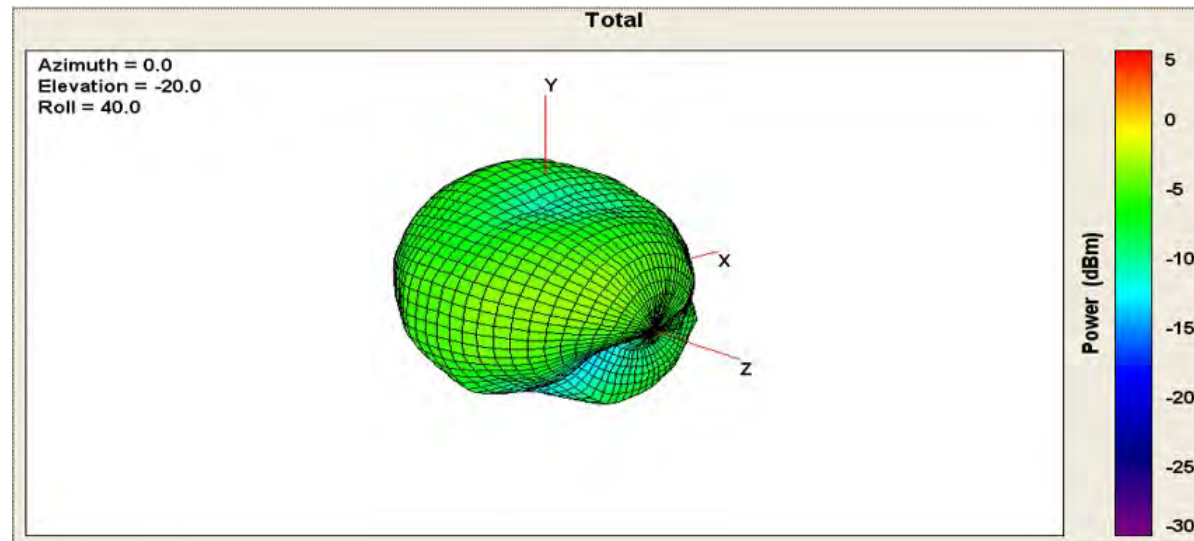
MB_2110MHz



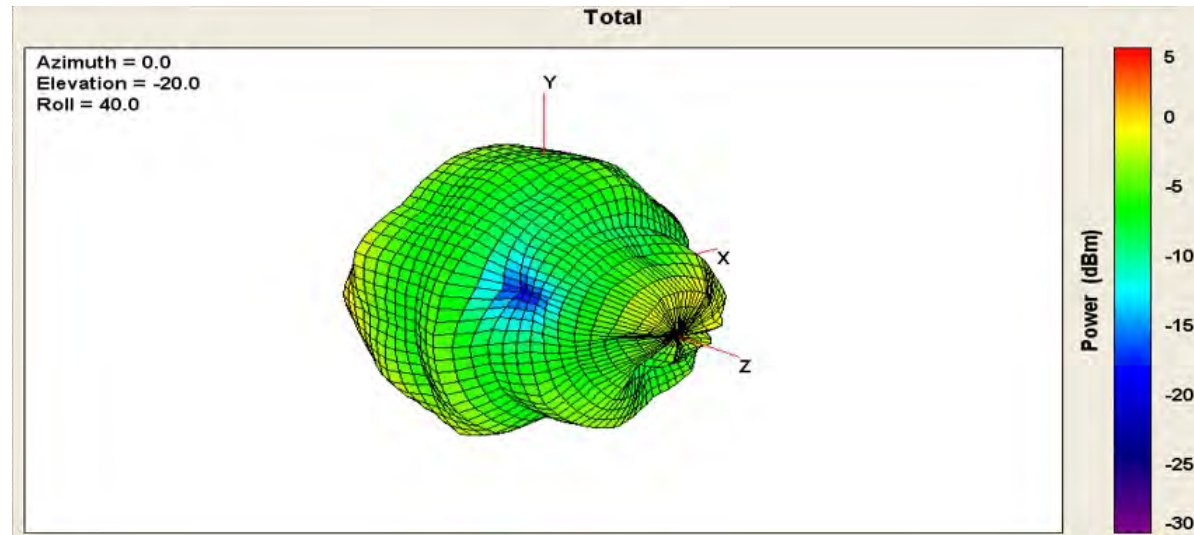
3D Radiation Pattern

- AUX Antenna
- HB_2590MHz

HB_2350MHz

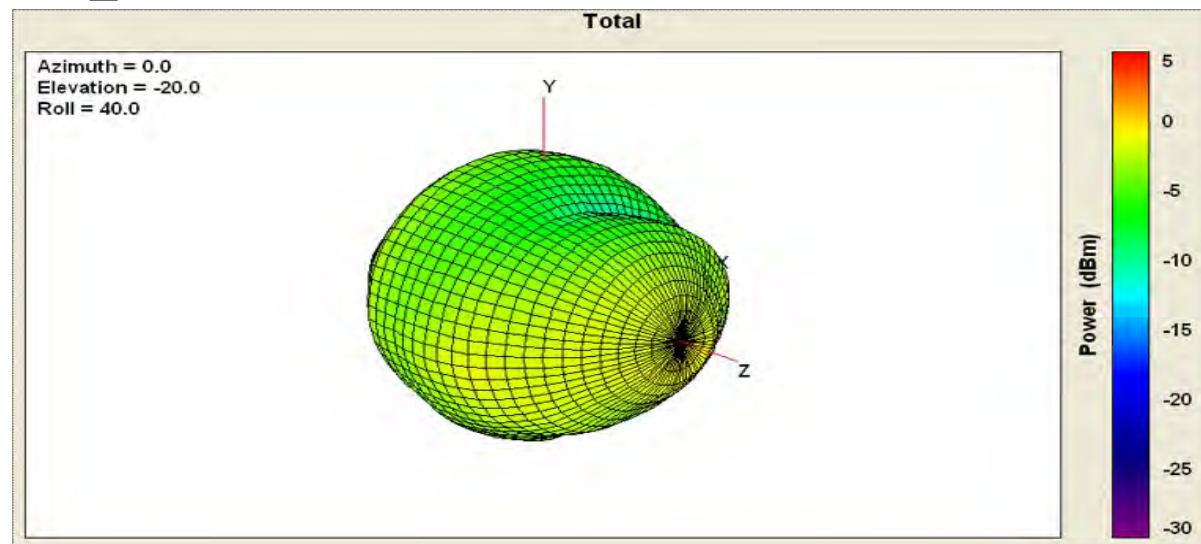


- UHB_3750MHz

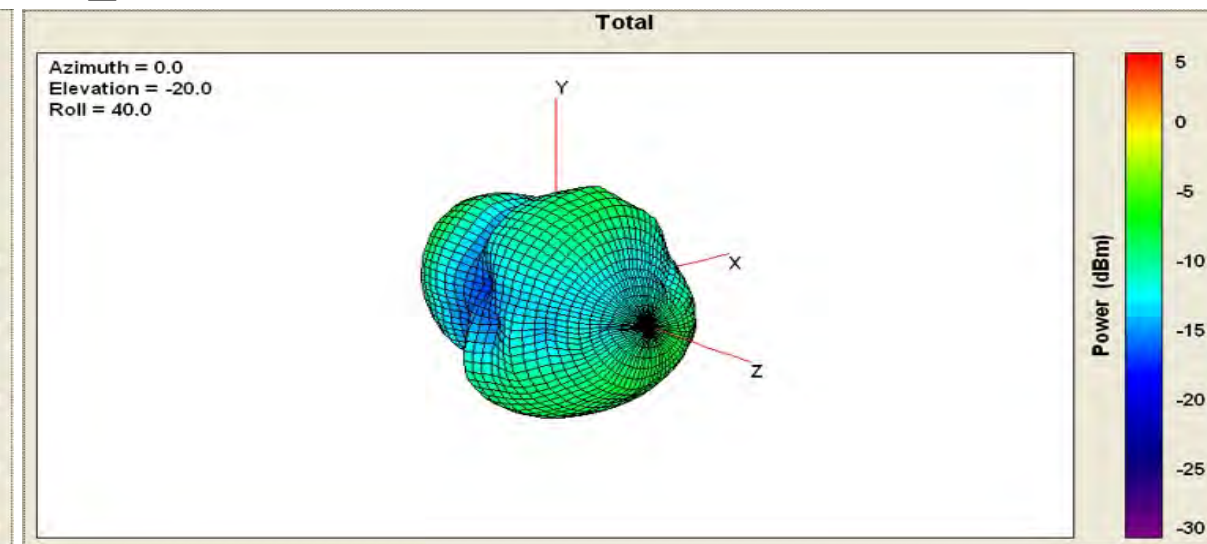


3D Radiation Pattern

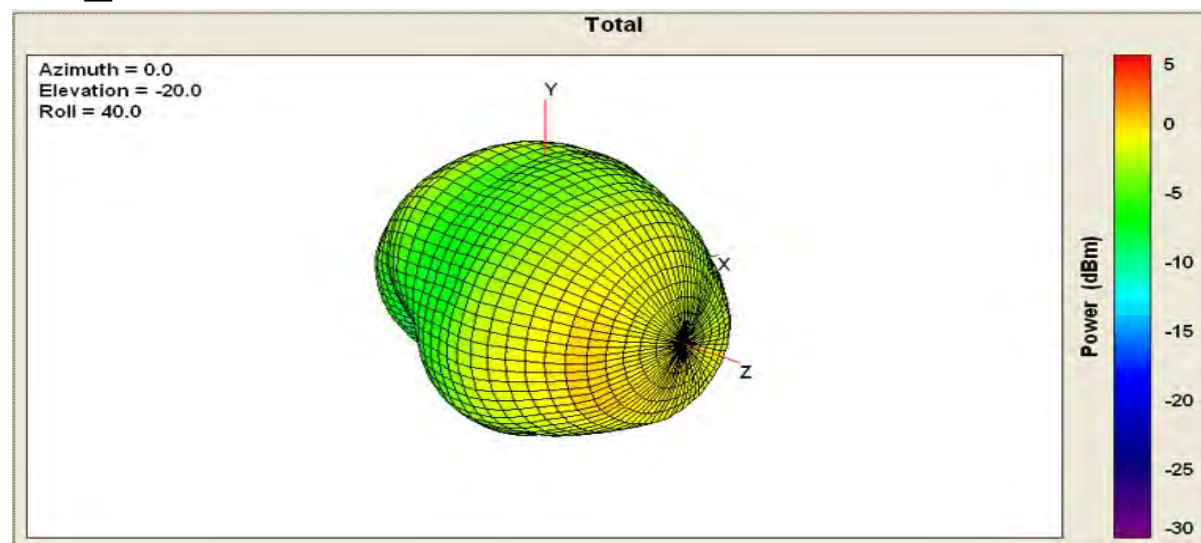
- MIMO1 Antenna
- MB_1810MHz



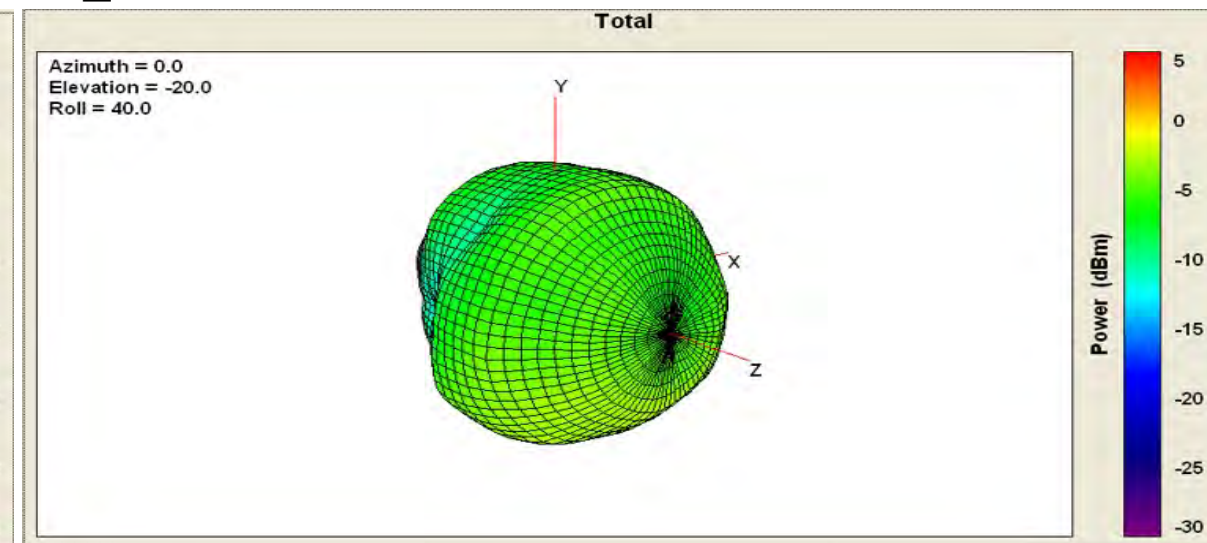
MB_2110MHz



- HB_2350MHz

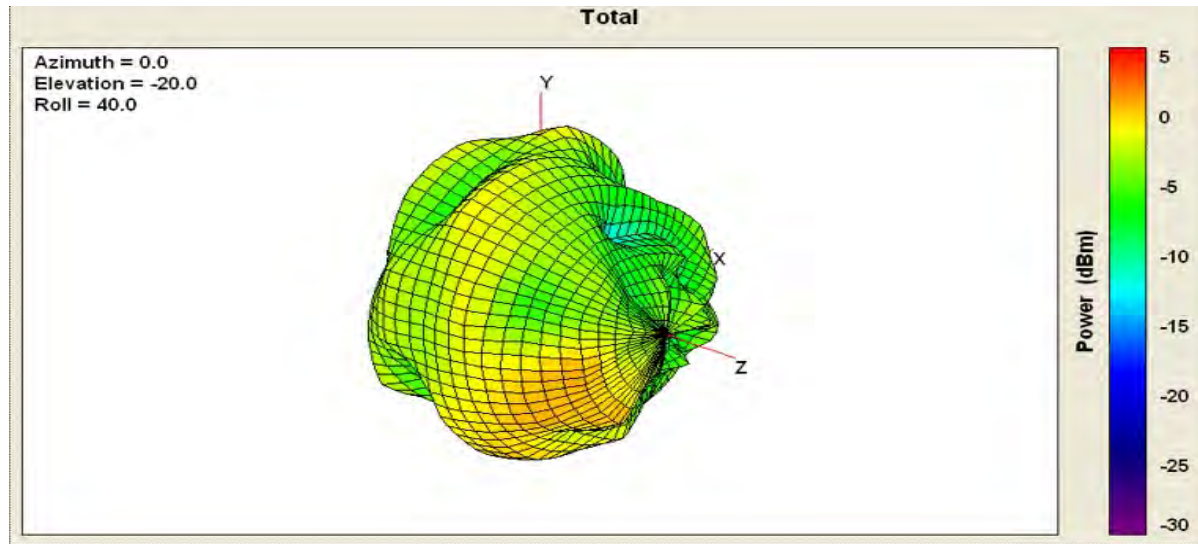


HB_2590MHz



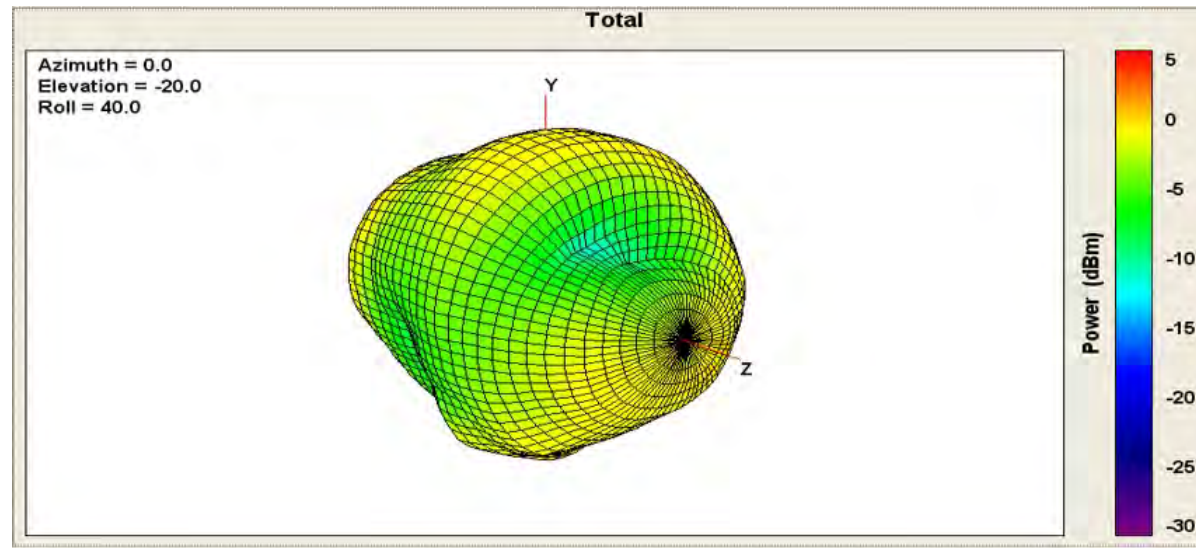
3D Radiation Pattern

- MIMO1 Antenna
- UHB_3750MHz

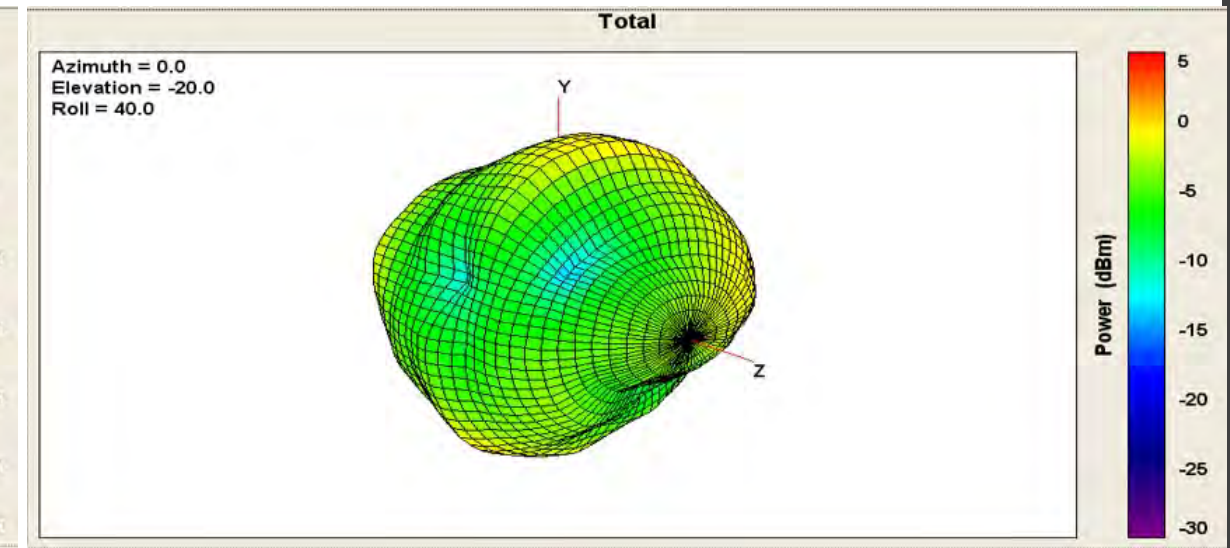


3D Radiation Pattern

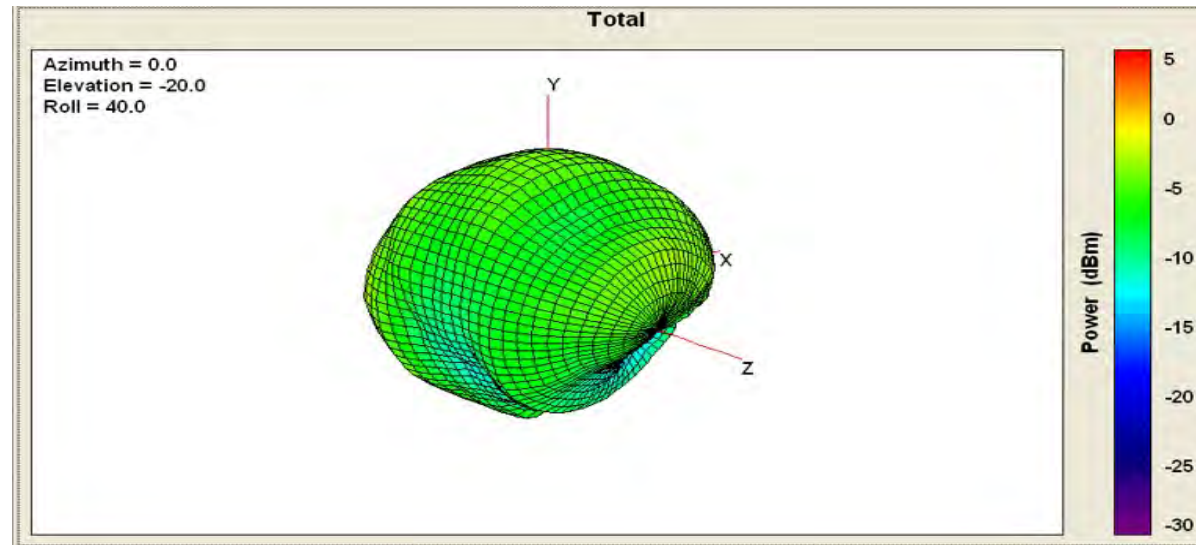
- MIMO2 Antenna
- MB_1810MHz



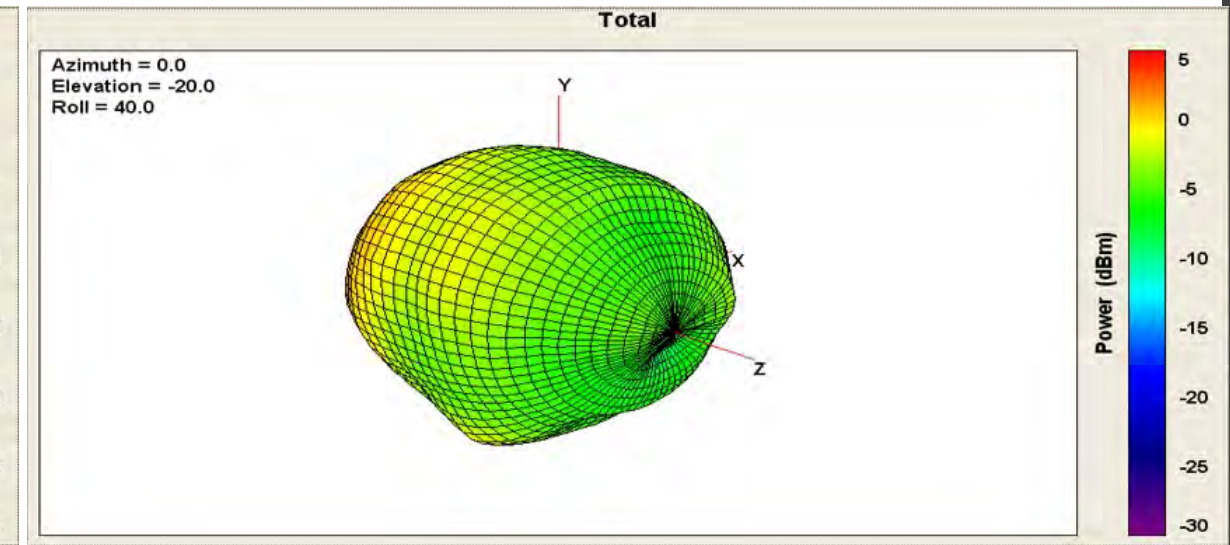
MB_2110MHz



- HB_2350MHz

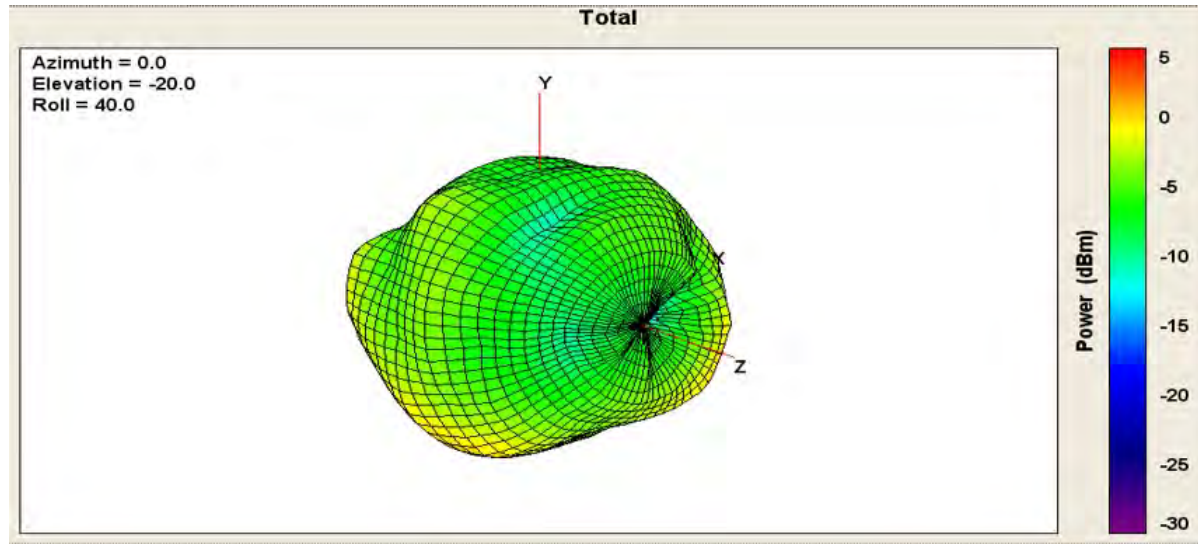


HB_2590MHz



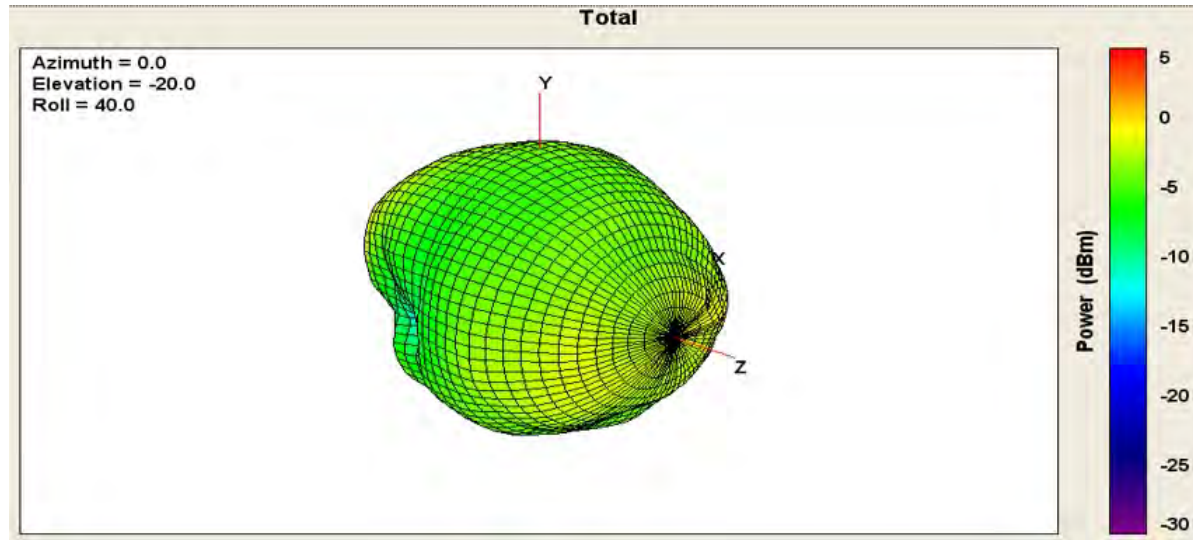
3D Radiation Pattern

- MIMO2 Antenna
- UHB_3750MHz

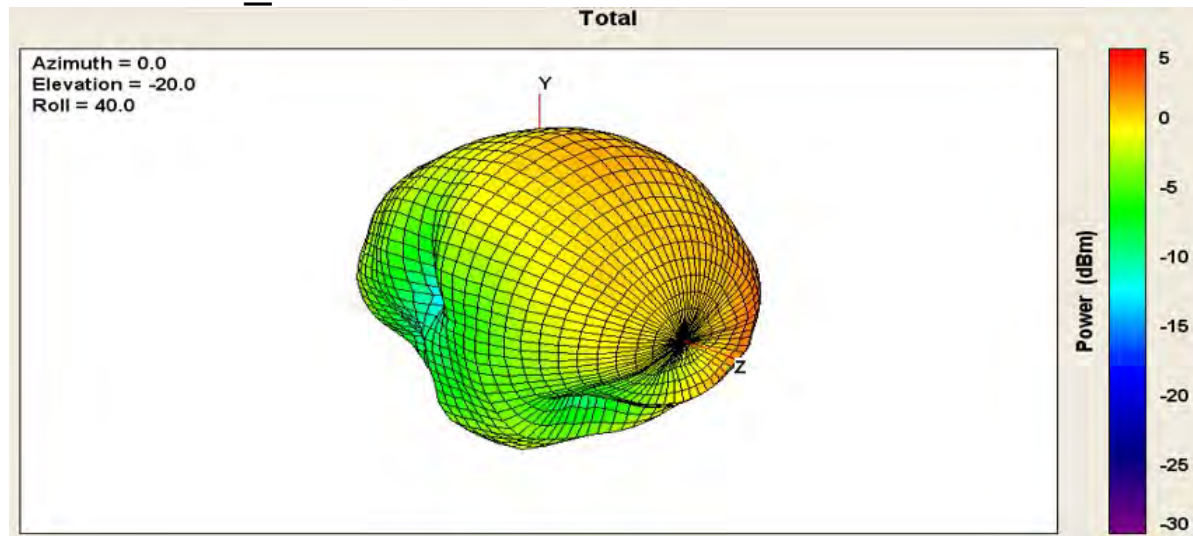


3D Radiation Pattern

- Wi-Fi1 Antenna
- 2.4G Band_2450MHz



- Wi-Fi2 Antenna
- 2.4G Band_2450MHz



Summary

Antenna	LB (699~960MHz)	MB (1710~2170MHz)	HB (2300~2690MHz)	UHB (3300~4200MHz)	Wi-Fi 2.4G Band (2400~2500MHz)
Ant0 (Main) Efficiency	> -6.24 dB	> -2.98 dB	> -3.89dB	> -5.87 dB	N/A
Ant1 (MIMO1) Efficiency	N/A	> -8.33 dB	> -7.75 dB	> -5.47 dB	N/A
Ant2 (MIMO2) Efficiency	N/A	> -4.25 dB	> -6.49 dB	> -6.86 dB	N/A
Ant3 (AUX) Efficiency	> -8.1 dB	> -5.93 dB	> -6.61 dB	> -6.2 dB	N/A
Ant4 (Wi-Fi1) Efficiency	N/A				> -3.36 dB
Ant5 (Wi-Fi2) Efficiency	N/A				> -3.65 dB
Isolation	< -8.7 dB				

Thank you



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VOLTAIR

Foxconn Interconnect Technology Limited (Incorporated in the Cayman Islands and carrying on business in Hong Kong as FIT Hon Teng Limited)

鴻騰精密科技股份有限公司 (於開曼群島成立，並以鴻騰六零八八精密科技股份有限公司於香港經營業務)