

Project:

2302AN

Antenna type:

metal antenna
ANT0:70mm*1mm*5mm
ANT1:48mm*1mm*5mm
ANT2:15mm*1mm*5mm
ANT3:25mm*1mm*5mm
ANT4:22mm*1mm*5mm
ANT5:8mm*1mm*5mm
ANT6:32mm*1mm*5mm
ANT7:25mm*1mm*5mm
ANT8:13mm*1mm*5mm

Antenna Size:

Test standard:

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021

Equipment list:

Equipment	Manufacturer	model.NO	serial No.	last cal.	Due Date
Network Analyzer	Agilent	E5071C	QROE005	2023.10.17	2024.10.16
Network Analyzer	Agilent	N5230A	QROE009	2023.10.17	2024.10.16
Integrated survey	ROHDE&SCHWARZ	CMW500	QROE006	2023.10.17	2024.10.16

Test date:

2023.12.21

Tested by:

Shenzhen Maya Communication Equipment Co., Ltd.

Address:

Room 202, Floor 2, Building 1, Guanghui Science Park, Mingqing Road, Longhua Street, Longhua District, Shenzhen

Test Software:

GTS MaxSign-RayZone5000_A

Engineer:

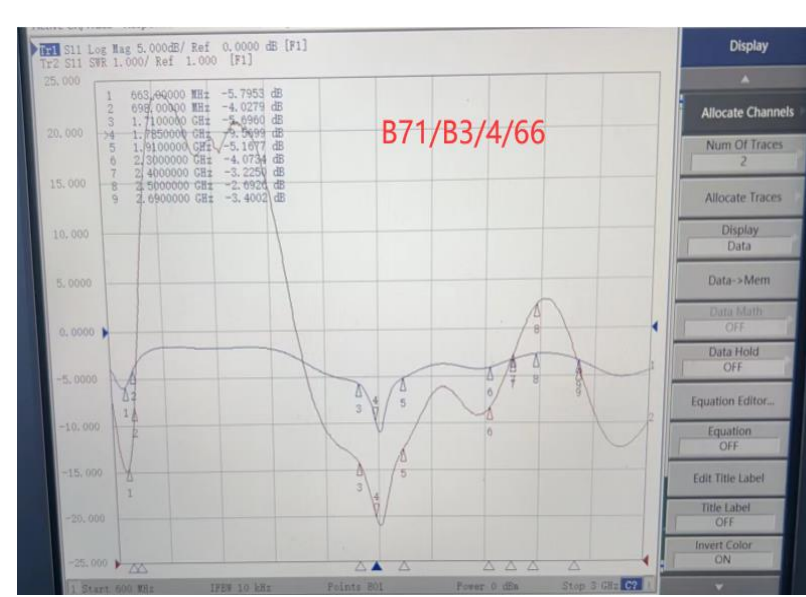
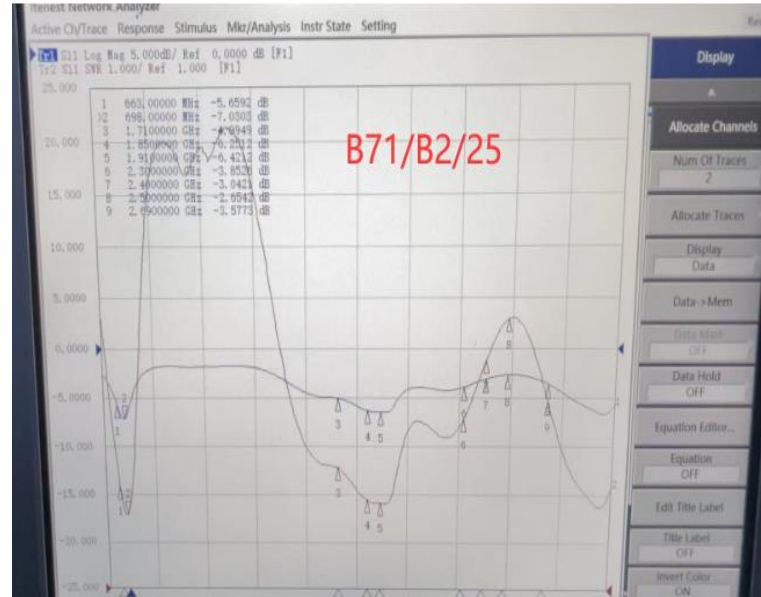
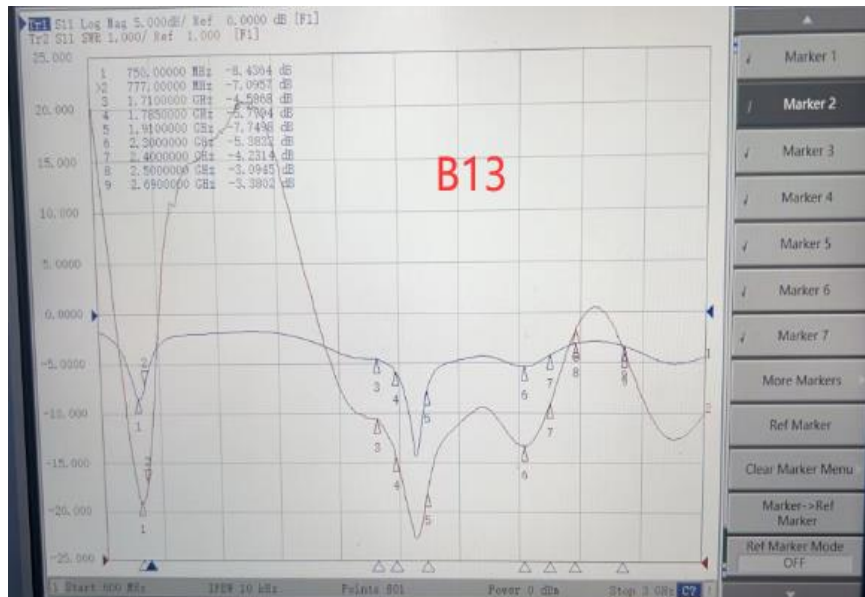
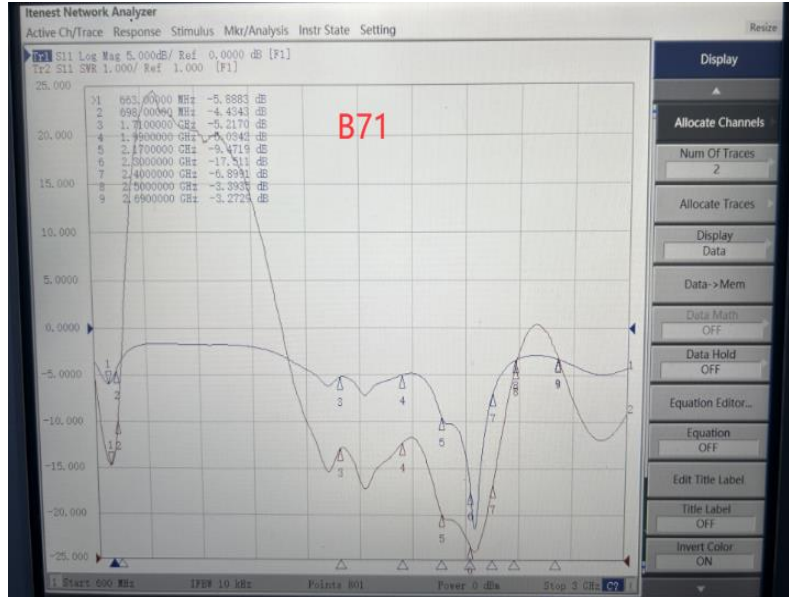
Guojun.Feng

antenna gain and 2D/3D:

please refer to data.



ANTO LMBH PRX
S11&Smith



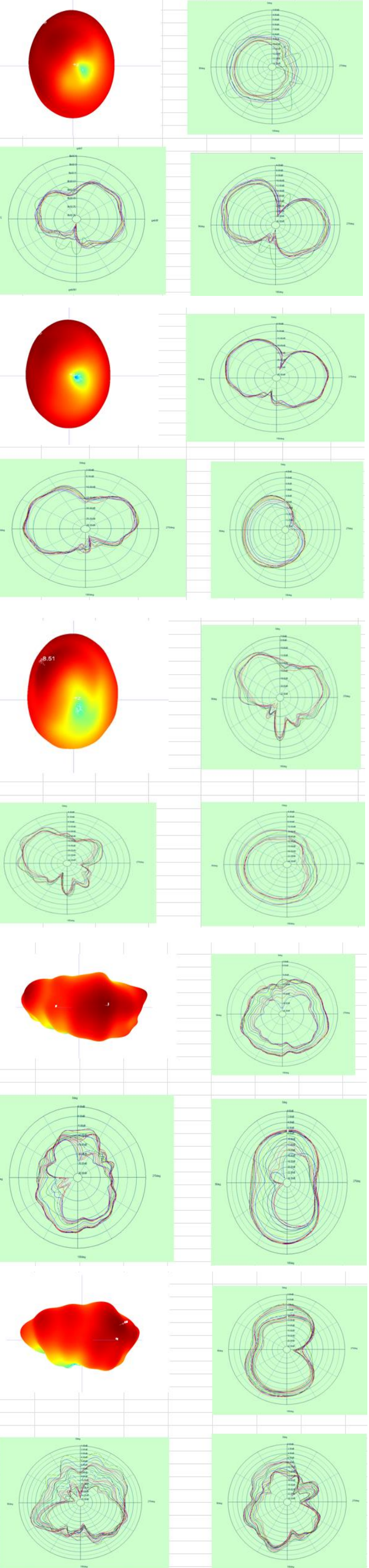
ANTO LMB PRX

Frequency	Efficiency	Gain	dB
660	11%	-9.7	-5.4
664	8%	-11.0	-7.3
668	12%	-8.3	-5.2
672	9%	-10.6	-6.8
676	12%	-8.1	-5.2
680	10%	-9.9	-5.8
684	9%	-10.7	-7.0
688	11%	-9.4	-5.2
692	8%	-11.1	-7.4
696	10%	-9.9	-6.1
700	11%	-8.9	-3.2
704.6	15%	-8.1	-2.7
709.2	14%	-8.5	-3.0
713.8	15%	-8.3	-2.9
718.4	15%	-8.2	-3.0
723	14%	-8.4	-3.1
727.6	15%	-8.3	-2.7
732.2	13%	-8.9	-3.5
736.8	14%	-8.5	-2.4
741.4	11%	-9.4	-3.6
746	11%	-9.0	-2.9

824	8%	-11.1	-5.5
831	10%	-10.2	-5.0
838	11%	-9.7	-4.1
845	10%	-9.8	-3.9
852	11%	-9.7	-4.3
859	15%	-9.0	-4.2
866	13%	-8.9	-4.0
873	11%	-8.5	-4.8
880	12%	-9.3	-5.4
887	13%	-8.9	-5.1
894	11%	-9.7	-6.2

880	9%	-10.1	-6.2
888	12%	-9.3	-5.3
896	12%	-8.9	-5.0
904	11%	-8.7	-4.0
912	11%	-9.5	-3.5
920	9%	-10.1	-3.8
928	8%	-11.0	-4.7
936	7%	-11.7	-5.9
944	6%	-12.5	-7.0
952	4%	-13.5	-7.8
960	3%	-14.6	-8.4

1720	25%	-6.0	-0.9
1720	25%	-6.0	-0.6
1730	27%	-5.8	-0.2
1740	27%	-5.7	-0.1
1750	26%	-5.8	-0.2
1760	27%	-5.6	0.1
1770	29%	-5.3	0.4
1780	31%	-5.1	0.4
1790	30%	-5.2	0.3
1800	30%	-5.2	0.3
1810	31%	-5.2	0.3
1820	30%	-5.3	0.2
1830	28%	-5.6	-0.1
1840	25%	-6.1	-0.5
1850	22%	-6.6	-0.9
1860	18%	-7.5	-1.9
1870	14%	-8.5	-3.2
1880	12%	-9.4	-4.5



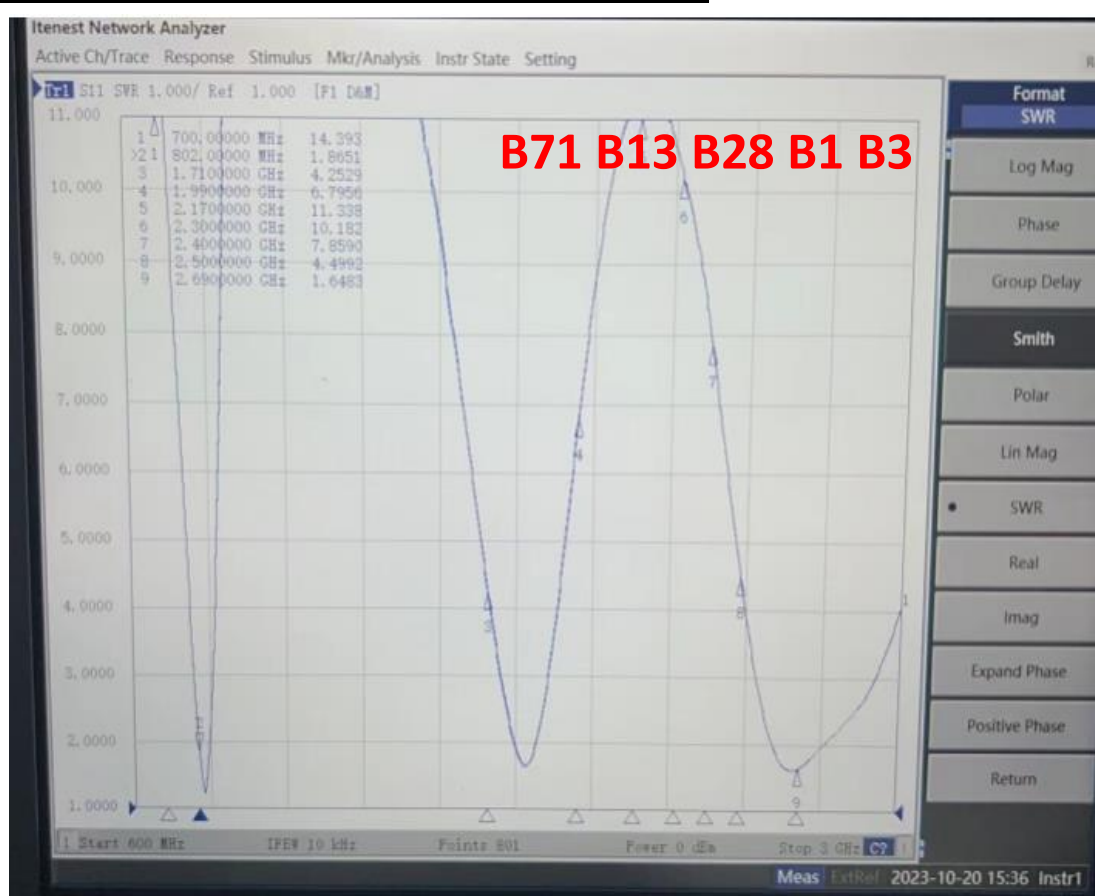
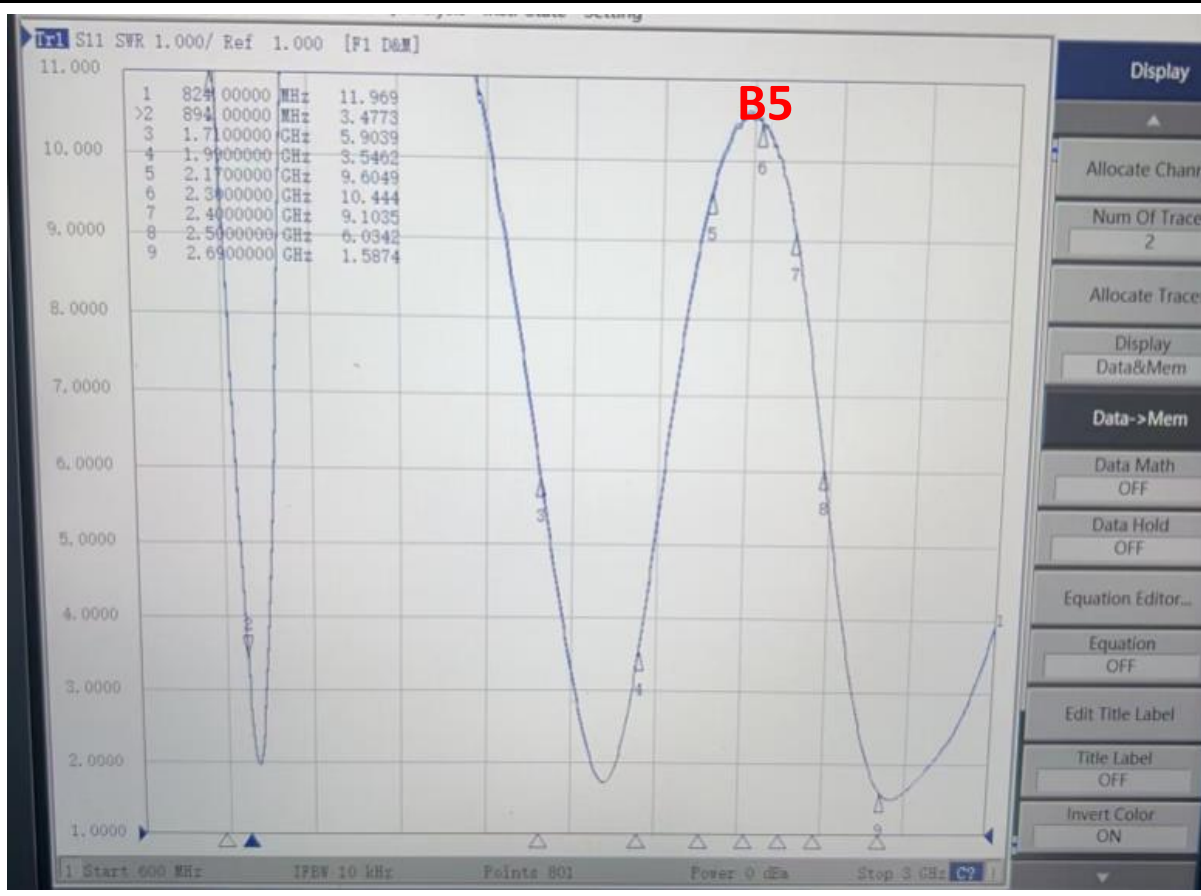
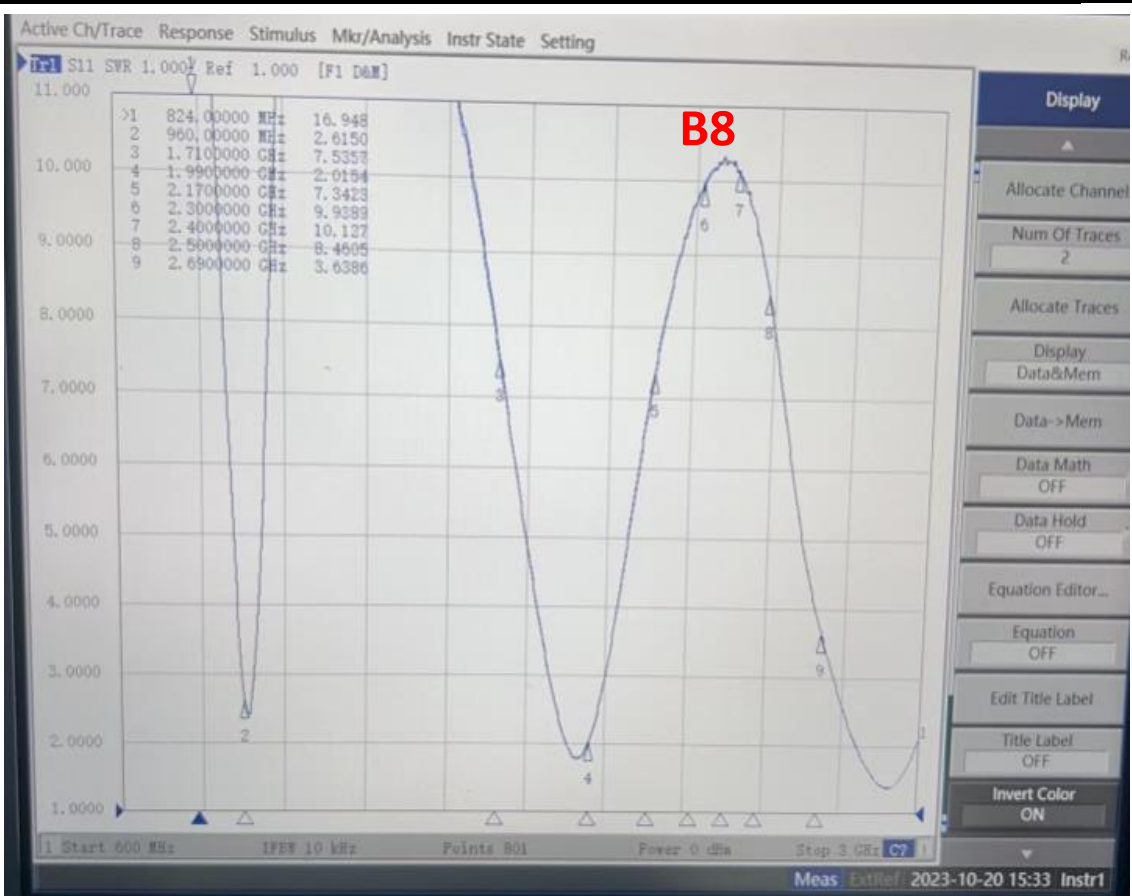
Frequency	Efficiency	Gain	dB
1890	14%	-8.5	-2.7
1890	15%	-8.3	-2.6
1900	15%	-8.3	-2.7
1910	15%	-8.1	-2.9
1920	17%	-7.8	-2.9
1930	17%	-7.7	-2.4
1940	18%	-7.4	-2.1
1950	19%	-7.2	-1.7
1960	20%	-7.0	-1.4
1970	20%	-7.0	-1.4
1980	21%	-6.8	-1.2
1990	21%	-6.7	-1.1
2000	20%	-6.9	-1.0
2010	20%	-6.9	-1.0
2100	21%	-6.8	-0.9
2030	21%	-6.8	-0.9
2040	20%	-6.9	-1.3
2050	20%	-7.0	-1.6
2060	20%	-7.1	-1.7
2070	18%	-7.4	-2.1
2080	15%	-8.1	-2.4
2090	13%	-8.7	-3.0
2100	15%	-9.1	-3.1
2110	11%	-9.7	-3.0
2120	9%	-10.2	-2.9
2130	8%	-10.8	-2.7
2140	8%	-11.1	-2.4
2150	7%	-11.7	-2.5
2160	6%	-12.2	-2.8
2170	6%	-12.4	-2.8

2300	12%	-9.1	-6.8
2310	11%	-9.5	-7.7
2320	11%	-9.5	-8.3
2330	12%	-9.1	-7.7
2340	12%	-9.1	-6.9
2350	13%	-8.9	-6.3
2360	11%	-9.5	-6.6
2370	11%	-9.4	-2.3
2380	13%	-9.0	-0.5
2390	15%	-8.3	0.0
2400	14%	-8.6	0.1
2410	15%	-8.9	0.1
2420	13%	-8.9	-1.4
2430	14%	-8.6	-0.7
2440	14%	-8.6	-1.2
2450	11%	-9.4	-0.9
2460	12%	-9.1	-2.4
2470	13%	-9.0	-1.0
2480	13%	-9.0	-2.0
2490	11%	-9.5	-2.7
2500	11%	-9.4	-1.3
2510	12%	-9.4	-1.7
2520	12%	-9.4	-1.6
2530	15%	-9.1	-2.3
2540	15%	-9.3	-2.3
2550	11%	-9.4	-3.1
2560	11%	-9.5	-0.5
2570	18%	-8.9	-1.4
2580	15%	-8.3	-1.3
2590	16%	-7.9	-1.3
2600	19%	-7.3	-1.3
2610	18%	-7.5	-1.4
2620	17%	-7.7	-1.3
2630	16%	-8.1	-1.3
2640	14%	-8.4	-1.1
2650	14%	-8.5	-1.2
2660	14%	-8.7	-1.3
2670	13%	-9.0	-1.5
2680	13%	-9.0	-1.9
2690	11%	-9.4	-2.1
2700	11%	-9.6	-1.5



ANT1 LMHB DRX

S11&Smith

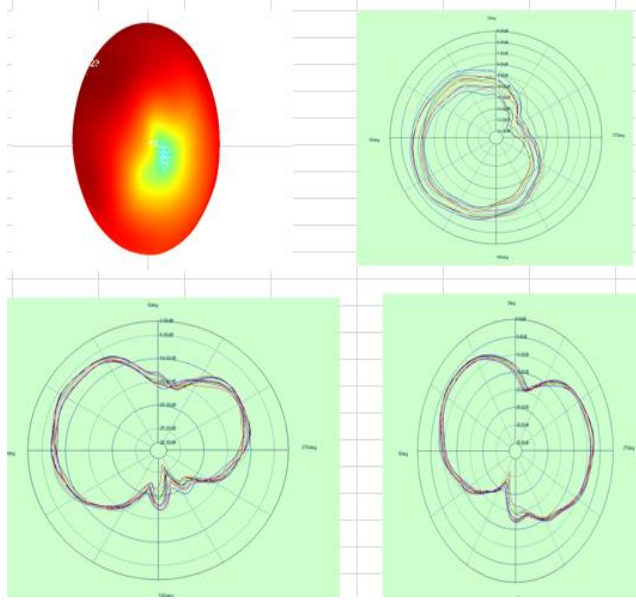


ANT1 LMHB DRX

2302			
Frequency	Efficiency	Efficiency_dB	Gain_dB
750	3.2%	-14.9	-11.7
760	4.0%	-13.9	-10.7
770	4.8%	-13.2	-9.7
780	5.0%	-13.0	-9.1
790	5.0%	-13.0	-8.8
800	3.9%	-14.1	-9.4

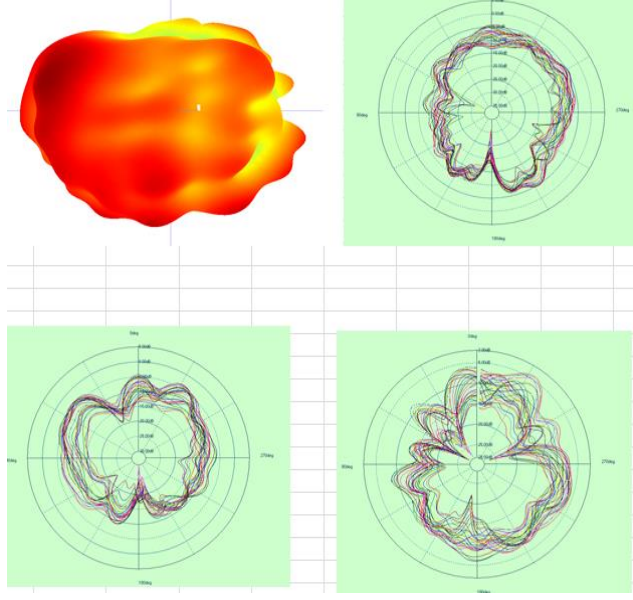
824	2.3%	-16.3	-18.3
834	2.4%	-16.2	-17.1
844	2.5%	-16.0	-15.9
854	3.7%	-14.4	-14.6
864	3.9%	-14.1	-13.5
874	4.1%	-13.9	-12.5
884	5.4%	-12.7	-11.2
894	4.7%	-13.3	-10.6

900	4.5%	-13.5	-16.4
910	4.6%	-13.3	-15.4
920	4.8%	-13.2	-14.6
930	5.0%	-13.0	-13.7
940	5.3%	-12.8	-12.7
950	4.5%	-13.5	-11.9
960	4.2%	-13.8	-11.2
970	3.8%	-14.2	-10.9
980	3.3%	-14.8	-10.9



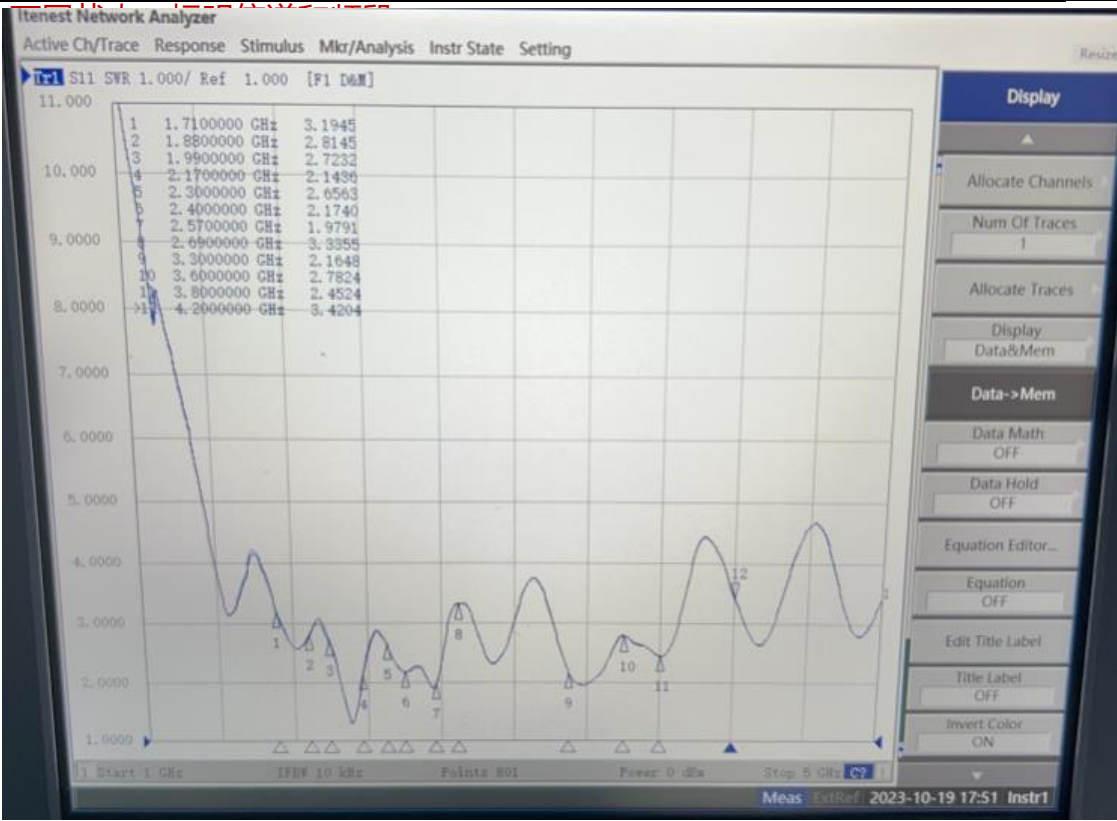
2302

Frequency	Efficiency	Efficiency_dB	Gain_dB
1710	9.1%	-10.4	-4.1
1720	9.6%	-10.2	-3.7
1730	10.2%	-9.9	-3.3
1740	10.5%	-9.8	-3.4
1750	10.2%	-9.9	-3.8
1760	10.5%	-9.8	-3.4
1770	10.8%	-9.7	-2.9
1780	11.0%	-9.6	-2.7
1790	10.5%	-9.8	-3.0
1800	10.4%	-9.8	-3.0
1810	10.4%	-9.8	-3.2
1820	10.2%	-9.9	-3.6
1830	9.5%	-10.2	-4.1
1840	8.9%	-10.5	-4.4
1850	8.7%	-10.6	-4.7
1860	8.0%	-11.0	-5.3
1870	7.6%	-11.2	-6.1
1880	7.0%	-11.6	-6.7
1890	6.7%	-11.7	-6.9
1900	6.3%	-12.0	-7.3
1910	6.0%	-12.2	-7.5
1920	5.6%	-12.5	-7.9
1930	5.6%	-12.5	-6.5
1940	5.2%	-12.9	-8.5
1950	4.9%	-13.1	-8.9
1960	4.5%	-13.5	-9.3
1970	4.2%	-13.7	-9.7
1980	3.9%	-14.1	-10.2
1990	3.8%	-14.3	-10.3
2000	3.5%	-14.5	-10.6
2010	3.4%	-14.7	-10.9
2020	3.2%	-15.0	-11.3
2030	3.0%	-15.3	-11.6
2040	2.8%	-15.5	-11.9
2050	2.8%	-15.6	-11.8
2060	2.7%	-15.6	-11.7
2070	2.7%	-15.7	-11.9
2080	2.5%	-16.0	-12.3
2090	2.4%	-16.2	-12.4
2100	2.4%	-16.2	-12.4
2110	2.4%	-16.2	-12.3
2120	2.3%	-16.4	-12.6
2130	2.2%	-16.5	-12.4
2140	2.2%	-16.5	-12.5
2150	2.2%	-16.6	-12.7
2160	2.1%	-16.8	-13.2
2170	2.0%	-16.9	-13.3
2180	2.0%	-16.9	-13.4
2190	2.0%	-16.9	-13.5
2200	2.0%	-16.9	-13.4
2210	2.0%	-17.0	-13.6
2220	2.0%	-17.0	-13.7
2230	2.0%	-17.1	-14.0
2240	1.9%	-17.1	-14.2
2250	2.0%	-17.1	-14.3
2260	1.9%	-17.1	-14.6
2270	1.9%	-17.2	-14.7
2280	1.9%	-17.1	-14.6
2290	1.9%	-17.1	-14.0
2300	2.0%	-17.1	-13.4
2310	2.0%	-17.0	-12.8
2320	2.0%	-16.9	-12.2
2330	2.1%	-16.8	-11.6
2340	2.2%	-16.6	-10.6
2350	2.3%	-16.4	-9.6
2360	2.4%	-16.2	-9.1
2370	2.5%	-16.1	-8.6
2380	2.6%	-15.9	-8.0
2390	2.8%	-15.5	-7.4
2400	3.0%	-15.2	-7.0
2410	3.2%	-14.9	-6.4
2420	3.4%	-14.7	-5.8
2430	3.7%	-14.3	-5.4
2440	3.9%	-14.1	-5.3
2450	4.1%	-13.8	-4.9
2460	4.4%	-13.6	-4.7
2470	4.7%	-13.3	-4.8
2480	4.9%	-13.1	-4.7
2490	5.3%	-12.8	-4.2
2500	5.8%	-12.4	-3.7
2510	6.0%	-12.2	-3.6
2520	6.2%	-12.0	-3.2
2530	6.6%	-11.8	-3.0
2540	7.2%	-11.4	-2.8
2550	7.4%	-11.3	-2.8
2560	7.6%	-11.2	-2.5
2570	7.9%	-11.0	-2.2
2580	8.4%	-10.8	-1.8
2590	8.6%	-10.6	-1.4
2600	8.9%	-10.5	-1.0
2610	9.1%	-10.4	-0.8
2620	9.3%	-10.3	-0.5
2630	9.4%	-10.3	-0.2
2640	9.5%	-10.2	0.0
2650	9.6%	-10.2	0.1
2660	9.8%	-10.1	0.2
2670	10.3%	-9.9	0.3
2680	10.5%	-9.8	0.1
2690	10.7%	-9.7	0.0
2700	10.3%	-9.9	-0.1



ANT2 MHB+N77 PRX MIMO

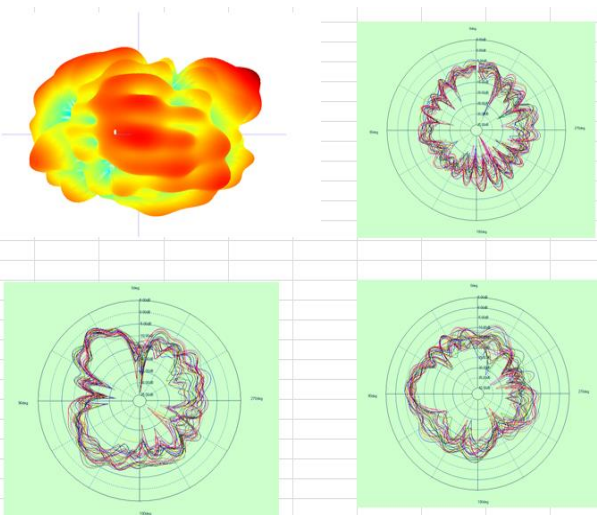
S11&Smith



MHB+N77 PRX MIMO

2302

Frequency	Efficiency	Efficiency . d	Gain . dB
1710	18%	-7.3	-1.8
1720	19%	-7.2	-1.3
1730	20%	-7.0	-0.9
1740	20%	-7.0	-1.0
1750	19%	-7.3	-1.4
1760	19%	-7.1	-1.0
1770	20%	-6.9	0.0
1780	21%	-6.7	0.6
1790	21%	-6.8	0.7
1800	22%	-6.6	0.9
1810	23%	-6.4	1.2
1820	25%	-6.0	1.2
1830	26%	-5.9	1.3
1840	27%	-5.7	1.6
1850	29%	-5.4	2.0
1860	29%	-5.4	2.1
1870	30%	-5.3	2.1
1880	31%	-5.1	2.3
1890	32%	-5.0	2.3
1900	32%	-4.9	2.3
1910	33%	-4.8	2.3
1920	33%	-4.8	2.3
1930	33%	-4.8	2.3
1940	32%	-4.9	2.2
1950	32%	-5.0	2.2
1960	30%	-5.2	1.9
1970	29%	-5.4	1.8
1980	28%	-5.6	1.8
1990	27%	-5.8	1.9
2000	24%	-6.1	1.4
2010	23%	-6.4	1.2
2020	22%	-6.6	1.1
2030	21%	-6.8	0.9
2040	19%	-7.2	0.6
2050	18%	-7.5	0.7
2060	18%	-7.5	0.9
2070	17%	-7.6	0.6
2080	16%	-8.0	0.2
2090	15%	-8.3	-0.2
2100	15%	-8.3	-0.3
2110	14%	-8.6	-0.7
2120	14%	-8.6	-0.6
2130	13%	-8.8	-0.6
2140	14%	-8.7	-0.6
2150	13%	-8.9	-1.0
2160	13%	-8.9	-1.3
2170	13%	-9.0	-1.3
2180	13%	-8.9	-1.4
2190	13%	-8.9	-1.6
2200	13%	-8.8	-1.8
2210	14%	-8.7	-1.7
2220	14%	-8.7	-1.9
2230	14%	-8.7	-2.1
2240	13%	-8.7	-2.2
2250	14%	-8.6	-2.2
2260	14%	-8.6	-2.3
2270	14%	-8.7	-2.3
2280	14%	-8.7	-2.3
2290	14%	-8.7	-2.4
2300	13%	-8.7	-2.3
2310	14%	-8.7	-2.2
2320	14%	-8.6	-2.0
2330	14%	-8.7	-2.1
2340	14%	-8.5	-1.8
2350	15%	-8.3	-1.6
2360	15%	-8.2	-1.5
2370	15%	-8.2	-1.2



2302

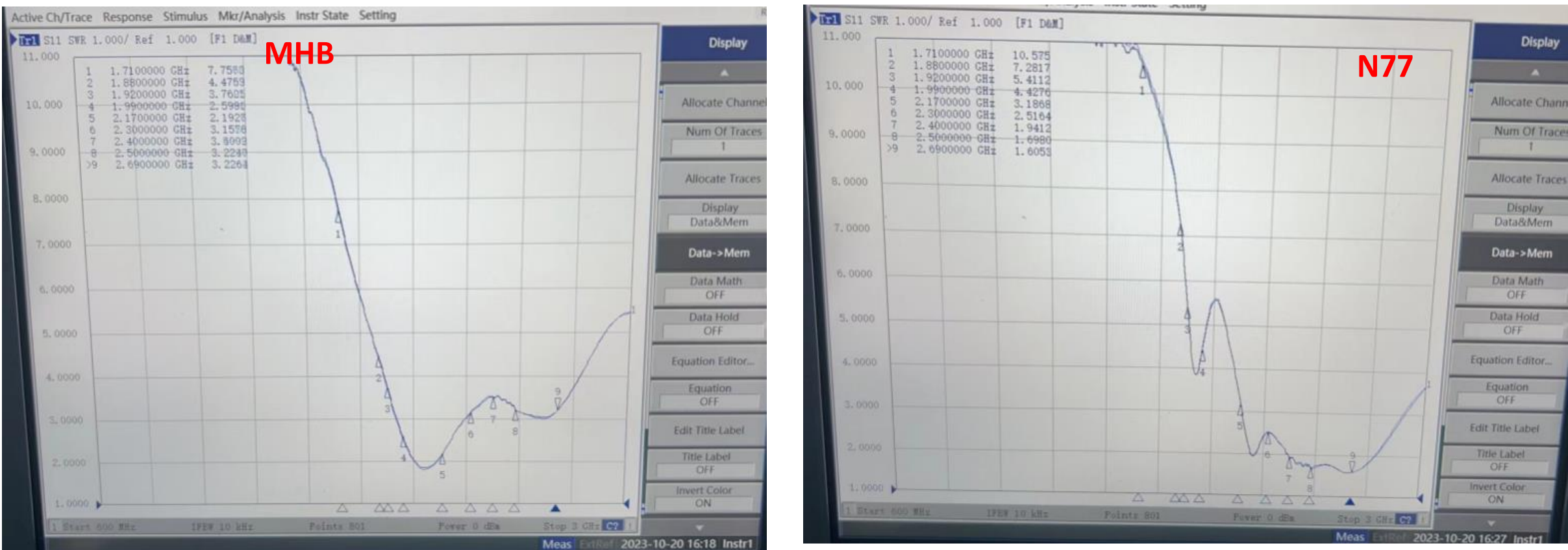
Frequency	Efficiency	Efficiency	Gain . dB
3300	12%	-9.1	-1.0
3310	12%	-9.1	-1.0
3320	13%	-9.0	-0.7
3330	14%	-8.7	-0.3
3340	15%	-8.3	-0.2
3350	15%	-8.3	-0.6
3360	15%	-8.1	-0.8
3370	17%	-7.7	-0.5
3380	18%	-7.5	-0.2
3390	18%	-7.5	-0.3
3400	18%	-7.5	-0.4
3410	19%	-7.2	0.0
3420	19%	-7.1	0.2
3430	20%	-7.1	0.2
3440	20%	-6.9	0.4
3450	22%	-6.6	0.9
3460	21%	-6.7	1.0
3470	21%	-6.8	0.9
3480	21%	-6.8	0.6
3490	21%	-6.8	0.8
3500	21%	-6.8	1.2
3510	20%	-7.0	1.3
3520	20%	-6.9	1.4
3530	20%	-7.0	1.6
3540	19%	-7.1	1.7
3550	19%	-7.3	1.6
3560	18%	-7.5	1.3
3570	17%	-7.6	1.5
3580	17%	-7.7	1.7
3590	17%	-7.8	1.7
3600	16%	-8.0	1.3
3610	16%	-8.0	1.4
3620	16%	-8.1	1.5
3630	16%	-7.9	1.5
3640	16%	-8.1	1.1
3650	15%	-8.2	0.8
3660	15%	-8.1	0.9
3670	16%	-8.0	0.9
3680	15%	-8.1	0.6
3690	15%	-8.1	0.4
3700	16%	-8.1	0.4
3710	15%	-8.2	0.2
3720	15%	-8.4	-0.1
3730	14%	-8.6	-0.5
3740	14%	-8.7	-0.5
3750	13%	-9.0	-0.8
3760	12%	-9.3	-1.4
3770	11%	-9.7	-2.0
3780	10%	-10.1	-2.4
3790	9%	-10.6	-2.9
3800	8%	-11.1	-3.6
3810	7%	-11.7	-4.6
3820	6%	-12.1	-5.0
3830	6%	-12.6	-5.2
3840	5%	-13.0	-5.6
3850	4%	-13.5	-6.1
3860	4%	-13.7	-5.9
3870	4%	-13.8	-5.8
3880	4%	-13.7	-5.6
3890	4%	-13.8	-5.9
3900	4%	-13.7	-5.6
3910	5%	-13.4	-5.1
3920	5%	-13.0	-4.7
3930	5%	-12.9	-4.7
3940	6%	-12.5	-4.1
3950	6%	-12.1	-3.4
3960	7%	-11.6	-3.0

2380	16%	-8.0	-0.8
2390	18%	-7.5	-0.5
2400	19%	-7.3	-0.6
2410	19%	-7.1	-0.3
2420	20%	-7.0	0.2
2430	22%	-6.6	0.6
2440	23%	-6.3	0.6
2450	24%	-6.1	0.8
2460	26%	-5.8	1.0
2470	28%	-5.5	0.9
2480	29%	-5.4	0.9
2490	30%	-5.2	1.4
2500	32%	-5.0	1.7
2510	31%	-5.0	1.6
2520	30%	-5.2	1.6
2530	29%	-5.4	1.5
2540	28%	-5.5	1.3
2550	26%	-5.9	0.9
2560	23%	-6.3	0.7
2570	21%	-6.8	0.3
2580	19%	-7.1	0.2
2590	18%	-7.5	-0.1
2600	16%	-7.8	-0.4
2610	15%	-8.2	-0.9
2620	14%	-8.6	-1.3
2630	13%	-8.8	-1.5
2640	12%	-9.1	-2.0
2650	11%	-9.5	-2.3
2660	11%	-9.8	-2.4
2670	10%	-9.9	-2.2
2680	10%	-9.9	-2.1
2690	10%	-10.1	-2.2
2700	9%	-10.3	-2.5

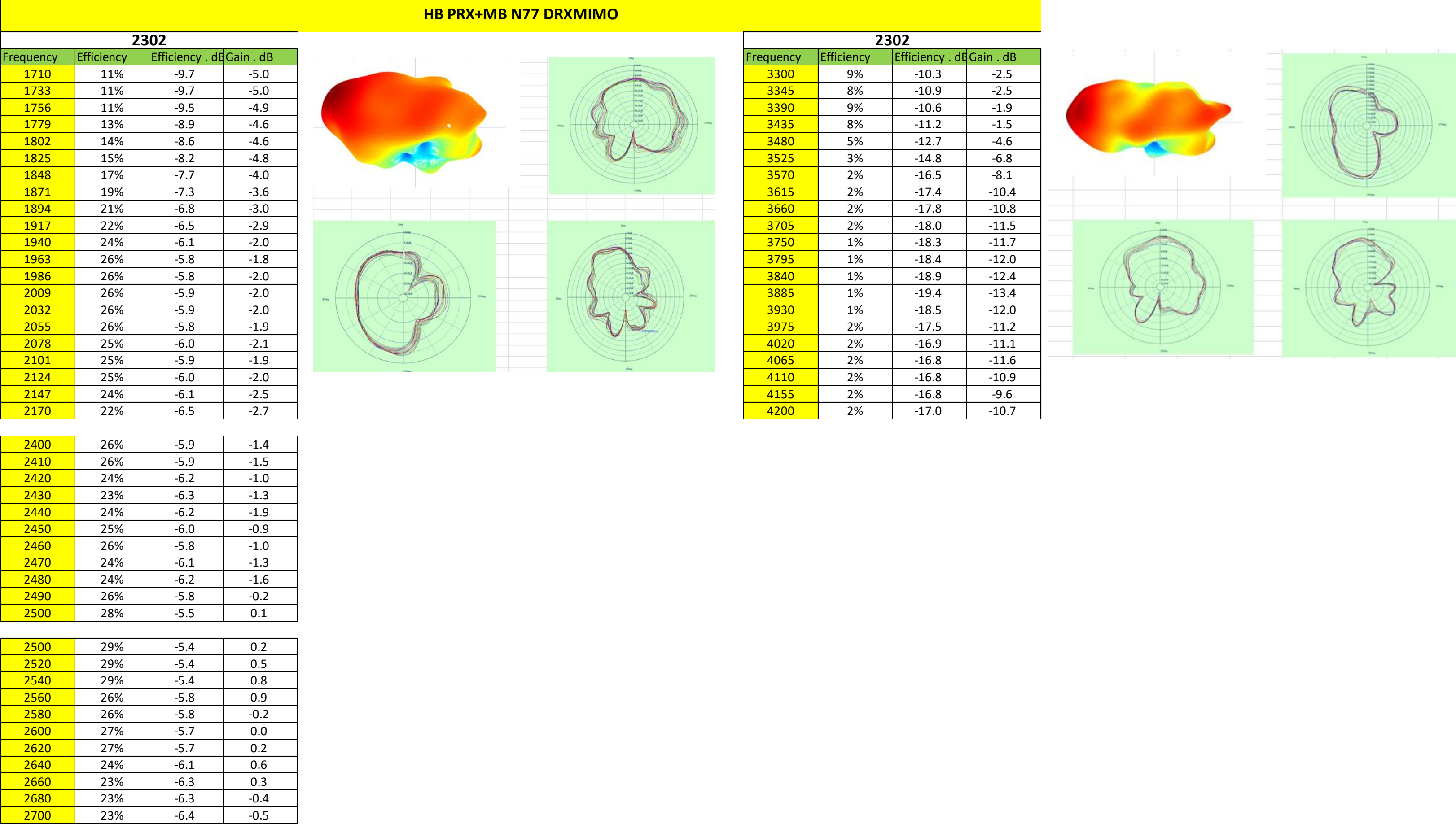
3970	7%	-11.5	-3.1
3980	7%	-11.5	-3.2
3990	8%	-11.1	-2.9
4000	8%	-10.9	-2.9
4010	8%	-10.8	-3.1
4020	9%	-10.7	-3.2
4030	9%	-10.5	-3.0
4040	9%	-10.5	-3.0
4050	9%	-10.6	-3.3
4060	8%	-10.9	-3.8
4070	8%	-11.0	-4.1
4080	8%	-11.1	-4.5
4090	7%	-11.3	-4.6
4100	7%	-11.6	-4.8
4110	7%	-11.8	-4.8
4120	6%	-11.9	-4.8
4130	6%	-12.1	-4.8
4140	6%	-12.5	-5.1
4150	6%	-12.5	-5.0
4160	5%	-12.7	-5.1
4170	5%	-13.1	-5.5
4180	5%	-13.3	-5.8
4190	5%	-13.0	-5.4
4200	5%	-13.0	-5.3

ANT3 HB PRX+MB N77 DRXMIMO

S11&Smith

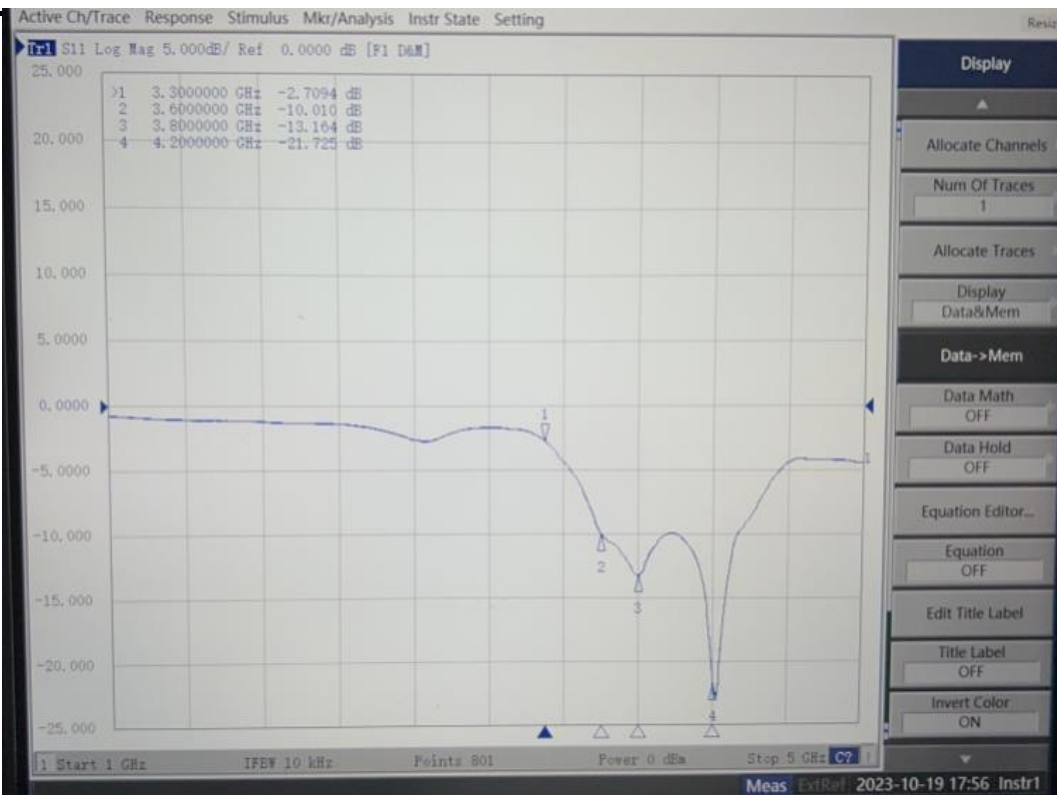


B3



ANT4 n77PRX

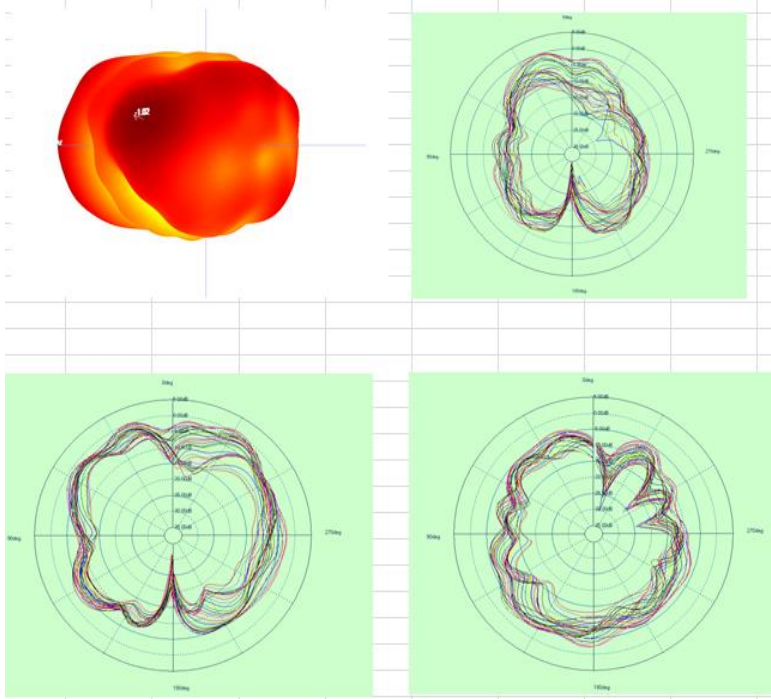
S11&Smith



n77PRX

2302

Frequency	Efficiency	Efficiency . d	Gain . dB
3300	10%	-9.9	-4.1
3310	11%	-9.8	-4.1
3320	11%	-9.5	-4.1
3330	12%	-9.2	-4.0
3340	13%	-8.9	-4.0
3350	13%	-8.7	-4.3
3360	14%	-8.5	-4.3
3370	16%	-8.1	-4.1
3380	17%	-7.8	-4.1
3390	16%	-7.9	-4.2
3400	17%	-7.7	-4.0
3410	19%	-7.3	-3.6
3420	19%	-7.2	-3.5
3430	19%	-7.2	-3.4
3440	20%	-7.1	-3.1
3450	21%	-6.8	-2.7
3460	20%	-6.9	-2.7
3470	20%	-7.0	-2.7
3480	20%	-7.1	-2.6
3490	19%	-7.2	-2.4
3500	18%	-7.4	-2.5
3510	18%	-7.5	-2.6
3520	18%	-7.5	-2.5
3530	17%	-7.8	-2.5
3540	16%	-8.0	-2.3
3550	15%	-8.3	-2.3
3560	14%	-8.5	-2.2
3570	14%	-8.7	-2.3
3580	13%	-8.9	-2.4
3590	13%	-8.9	-2.3
3600	13%	-8.9	-2.3
3610	13%	-8.9	-2.2
3620	13%	-8.8	-2.2
3630	14%	-8.5	-2.1
3640	14%	-8.5	-2.2
3650	14%	-8.6	-2.3
3660	15%	-8.4	-2.2
3670	16%	-8.0	-1.9
3680	16%	-7.9	-1.8
3690	16%	-7.8	-1.7
3700	17%	-7.6	-1.6
3710	18%	-7.5	-1.6
3720	18%	-7.5	-1.5
3730	18%	-7.5	-1.6
3740	18%	-7.4	-1.7
3750	18%	-7.5	-1.9
3760	18%	-7.5	-1.7
3770	18%	-7.5	-1.6
3780	18%	-7.6	-1.5
3790	17%	-7.7	-1.5
3800	17%	-7.7	-1.5
3810	16%	-7.8	-1.7
3820	16%	-7.9	-1.7
3830	16%	-7.9	-1.7
3840	16%	-8.0	-1.7
3850	15%	-8.1	-1.9
3860	15%	-8.1	-1.9
3870	15%	-8.2	-2.0
3880	16%	-8.0	-1.9
3890	16%	-7.9	-1.9
3900	17%	-7.8	-1.8
3910	18%	-7.6	-1.9
3920	19%	-7.3	-1.9
3930	20%	-7.1	-1.9
3940	21%	-6.7	-1.7



3950	23%	-6.4	-1.4
3960	25%	-6.0	-1.1
3970	26%	-5.8	-1.0
3980	28%	-5.6	-0.9
3990	29%	-5.4	-0.7
4000	31%	-5.1	-0.4
4010	31%	-5.1	0.0
4020	32%	-4.9	0.4
4030	33%	-4.8	0.6
4040	35%	-4.6	0.6
4050	34%	-4.7	0.5
4060	34%	-4.7	0.4
4070	33%	-4.8	0.3
4080	34%	-4.7	0.5
4090	33%	-4.9	0.6
4100	31%	-5.0	0.5
4110	31%	-5.1	0.5
4120	32%	-5.0	0.6
4130	32%	-5.0	0.5
4140	30%	-5.2	0.3
4150	30%	-5.2	0.2
4160	30%	-5.2	0.0
4170	29%	-5.3	-0.5
4180	28%	-5.5	-0.5
4190	29%	-5.3	-0.3
4200	30%	-5.3	-0.6

ANT5 N77 DRX

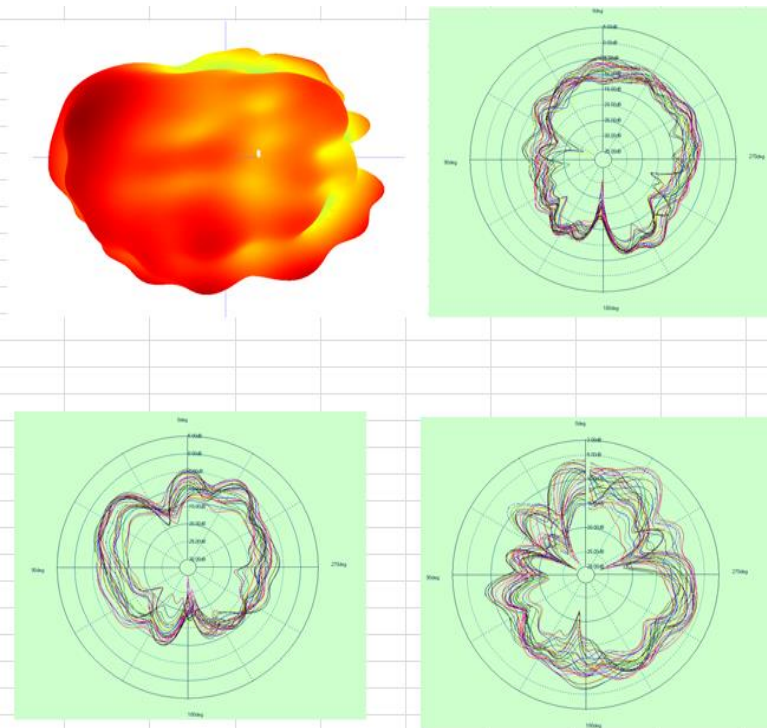
S11&Smith



N77 DRX

2302

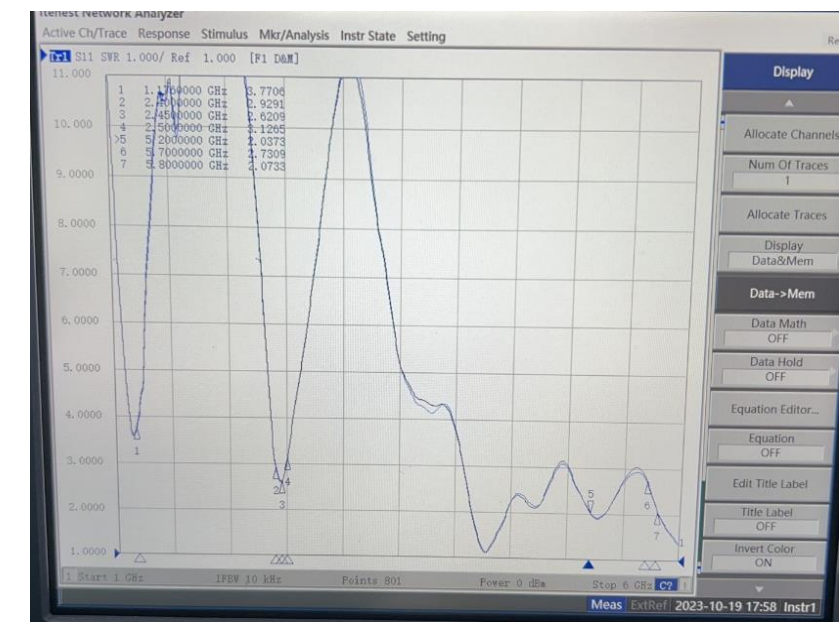
Frequency	Efficiency	Efficiency . d	Gain . dB
3300	3%	-15.3	-10.9
3310	3%	-15.2	-11.0
3320	3%	-15.1	-10.7
3330	3%	-14.7	-10.2
3340	4%	-14.4	-10.0
3350	4%	-14.3	-10.0
3360	4%	-14.2	-10.0
3370	4%	-13.8	-9.6
3380	4%	-13.5	-9.3
3390	5%	-13.5	-9.3
3400	5%	-13.3	-9.2
3410	5%	-12.9	-8.8
3420	5%	-12.7	-8.4
3430	6%	-12.5	-8.2
3440	6%	-12.2	-8.1
3450	6%	-11.9	-7.8
3460	6%	-12.0	-7.9
3470	6%	-12.0	-8.1
3480	6%	-11.9	-8.0
3490	7%	-11.8	-7.7
3500	6%	-11.9	-7.3
3510	6%	-12.0	-7.4
3520	6%	-12.0	-7.6
3530	6%	-12.0	-7.6
3540	6%	-12.2	-7.7
3550	6%	-12.3	-7.8
3560	6%	-12.5	-7.8
3570	6%	-12.4	-7.4
3580	6%	-12.5	-7.0
3590	6%	-12.4	-6.8
3600	6%	-12.5	-6.8
3610	6%	-12.4	-6.7
3620	6%	-12.4	-6.3
3630	7%	-11.9	-5.7
3640	7%	-11.8	-5.6
3650	7%	-11.7	-5.5
3660	7%	-11.5	-5.1
3670	8%	-11.0	-4.6
3680	8%	-10.9	-4.5
3690	9%	-10.5	-4.2
3700	9%	-10.2	-4.0
3710	10%	-9.9	-3.7
3720	11%	-9.8	-3.6
3730	11%	-9.5	-3.5
3740	12%	-9.3	-3.3
3750	12%	-9.2	-3.2
3760	12%	-9.2	-3.4
3770	13%	-9.0	-3.4
3780	13%	-8.9	-3.1
3790	13%	-8.7	-2.5
3800	13%	-8.7	-2.3
3810	13%	-8.8	-2.5
3820	13%	-8.9	-2.4
3830	13%	-8.8	-2.1
3840	13%	-8.9	-2.1
3850	13%	-9.0	-2.0
3860	13%	-9.0	-1.2
3870	13%	-8.9	-0.5
3880	13%	-8.8	-0.3
3890	13%	-8.8	-0.4
3900	14%	-8.6	0.0
3910	15%	-8.4	0.5
3920	15%	-8.2	0.7
3930	16%	-8.0	0.9
3940	17%	-7.7	1.6
3950	18%	-7.3	2.2



3960	20%	-7.0	2.5
3970	20%	-7.0	2.3
3980	21%	-6.9	2.4
3990	22%	-6.6	2.6
4000	23%	-6.4	2.5
4010	23%	-6.4	2.4
4020	24%	-6.2	2.6
4030	25%	-6.1	2.9
4040	25%	-6.0	2.9
4050	24%	-6.2	2.6
4060	23%	-6.3	2.2
4070	23%	-6.4	1.9
4080	23%	-6.4	1.7
4090	22%	-6.6	1.2
4100	21%	-6.8	0.9
4110	21%	-6.8	0.8
4120	21%	-6.9	0.8
4130	20%	-7.0	0.3
4140	18%	-7.3	-0.2
4150	18%	-7.4	-0.1
4160	18%	-7.5	-0.1
4170	17%	-7.8	-0.5
4180	15%	-8.1	-1.0
4190	16%	-8.0	-0.7
4200	16%	-8.0	-0.5

ANT6 L5+WIFI MIMO

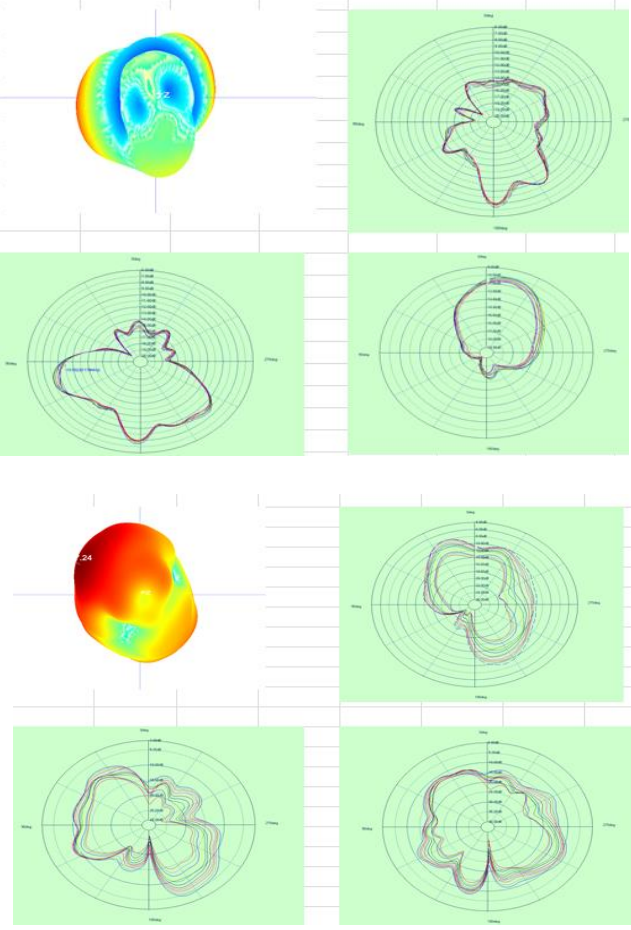
S11&Smith



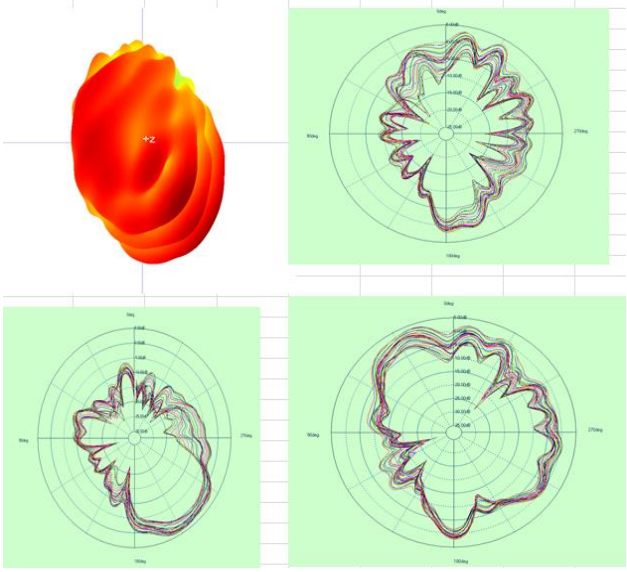
WIFI MIMO

2302			
Frequency	Efficiency	Efficiency . dB	Gain . dB
1170	4%	-14.0	-9.0
1171	4%	-13.8	-8.9
1172	4%	-13.6	-8.8
1173	4%	-13.5	-8.8
1174	5%	-13.4	-8.9
1175	5%	-13.4	-9.0
1176	5%	-13.4	-8.9
1177	4%	-13.5	-8.8
1178	4%	-13.5	-8.7
1179	4%	-13.5	-8.6
1180	5%	-13.4	-8.6

2400	11%	-13.3	-6.6
2410	13%	-13.7	-7.2
2420	12%	-14.0	-8.2
2430	15%	-13.8	-8.8
2440	13%	-13.8	-8.9
2450	12%	-13.7	-9.0
2460	13%	-13.5	-8.9
2470	13%	-13.1	-8.4
2480	13%	-13.0	-8.5
2490	12%	-13.0	-8.5
2500	12%	-12.8	-8.1

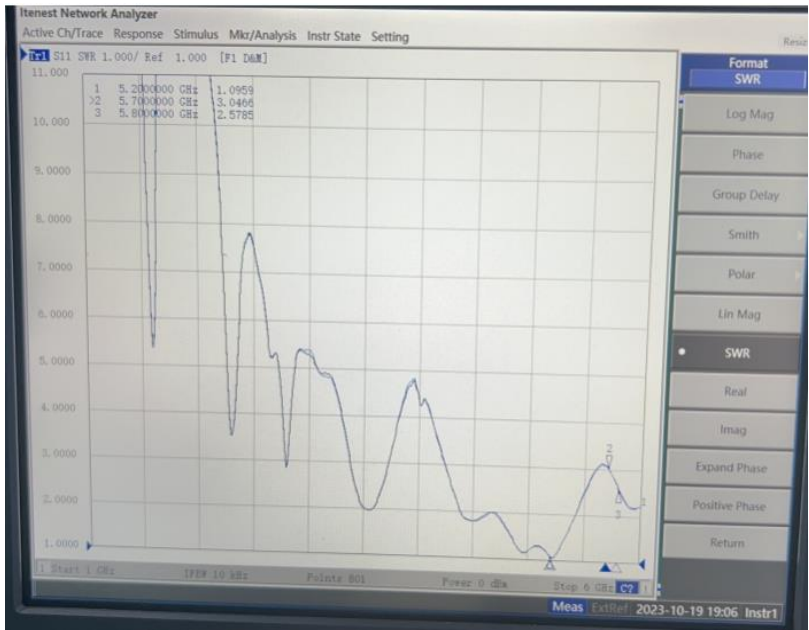


2302			
Frequency	Efficiency	Efficiency . dB	Gain . dB
5200	29%	-5.3	3.6
5220	30%	-5.3	4.0
5240	29%	-5.3	3.7
5260	28%	-5.5	3.6
5280	28%	-5.5	3.1
5300	27%	-5.7	3.1
5320	26%	-5.8	2.7
5340	24%	-6.2	2.3
5360	25%	-5.9	2.2
5380	27%	-5.7	2.3
5400	28%	-5.5	2.3
5420	31%	-5.1	2.9
5440	31%	-5.0	2.9
5460	33%	-4.8	3.5
5480	30%	-5.3	2.9
5500	32%	-5.0	3.5
5520	31%	-5.1	3.6
5540	30%	-5.2	3.9
5560	31%	-5.1	3.7
5580	28%	-5.6	3.4
5600	27%	-5.6	3.0
5620	23%	-6.3	2.5
5640	24%	-6.2	2.3
5660	21%	-6.8	1.7
5680	22%	-6.6	1.6
5700	19%	-7.2	0.9
5720	20%	-7.0	1.1
5740	20%	-7.0	1.0
5760	22%	-6.7	1.5
5780	21%	-6.8	1.4
5800	22%	-6.7	1.9



WBG

2302



wifi 5G			
2302			
Frequency	Efficiency	Efficiency . d	Gain . dB
5200	47%	-3.2	5.6
5220	44%	-3.5	5.5
5240	44%	-3.6	5.7
5260	41%	-3.9	5.4
5280	41%	-3.9	5.4
5300	38%	-4.2	4.7
5320	36%	-4.4	4.3
5340	33%	-4.8	3.9
5360	34%	-4.6	4.0
5380	34%	-4.6	3.9
5400	36%	-4.5	3.9
5420	37%	-4.3	3.9
5440	37%	-4.3	4.4
5460	37%	-4.3	4.6
5480	32%	-4.9	4.3
5500	33%	-4.8	4.6
5520	32%	-4.9	4.7
5540	30%	-5.2	4.4
5560	30%	-5.3	4.5
5580	26%	-5.8	3.9
5600	25%	-5.9	3.8
5620	21%	-6.7	2.8
5640	22%	-6.5	2.9
5660	19%	-7.3	1.8
5680	20%	-7.0	2.1
5700	18%	-7.4	1.7
5720	19%	-7.2	1.9
5740	19%	-7.1	2.1
5760	21%	-6.8	2.6
5780	21%	-6.8	2.7
5800	22%	-6.6	2.8

