

Appendix

1. Bandwidth

1.1 OBW

1.1.1 Test Result

-26dB Bandwidth

Mode	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	Ant1	23.125	0.5	Pass
a	Ant1	23.01	0.5	Pass
a	Ant1	21.995	0.5	Pass
a	Ant1	23.443	0.5	Pass
a	Ant1	22.378	0.5	Pass
a	Ant1	23.228	0.5	Pass
n20	Ant1	22.94	0.5	Pass
n20	Ant1	23.745	0.5	Pass
n20	Ant1	23.02	0.5	Pass
n20	Ant1	23.241	0.5	Pass
n20	Ant1	23.413	0.5	Pass
n20	Ant1	23.718	0.5	Pass
n40	Ant1	42.62	0.5	Pass
n40	Ant1	42.597	0.5	Pass
n40	Ant1	42.191	0.5	Pass
n40	Ant1	41.971	0.5	Pass
n40	Ant1	42.172	0.5	Pass
n40	Ant1	41.774	0.5	Pass
ac20	Ant1	22.768	0.5	Pass
ac20	Ant1	22.815	0.5	Pass
ac20	Ant1	22.385	0.5	Pass
ac20	Ant1	22.914	0.5	Pass
ac20	Ant1	22.893	0.5	Pass
ac20	Ant1	22.602	0.5	Pass
ac40	Ant1	42.953	0.5	Pass
ac40	Ant1	43.358	0.5	Pass
ac40	Ant1	41.448	0.5	Pass
ac40	Ant1	43.415	0.5	Pass
ac40	Ant1	42.758	0.5	Pass
ac40	Ant1	43.247	0.5	Pass
ac80	Ant1	82.754	0.5	Pass
ac80	Ant1	84.751	0.5	Pass
ac80	Ant1	83.865	0.5	Pass
ac80	Ant1	82.9	0.5	Pass
ax160	Ant1	161.205	0.5	Pass
ax160	Ant1	161.685	0.5	Pass
ax20	Ant1	21.73	0.5	Pass
ax20	Ant1	23.355	0.5	Pass
ax20	Ant1	22.575	0.5	Pass
ax20	Ant1	22.905	0.5	Pass
ax20	Ant1	22.455	0.5	Pass
ax20	Ant1	22.061	0.5	Pass
ax40	Ant1	43.109	0.5	Pass
ax40	Ant1	42.434	0.5	Pass
ax40	Ant1	42.456	0.5	Pass
ax40	Ant1	42.766	0.5	Pass
ax40	Ant1	42.082	0.5	Pass

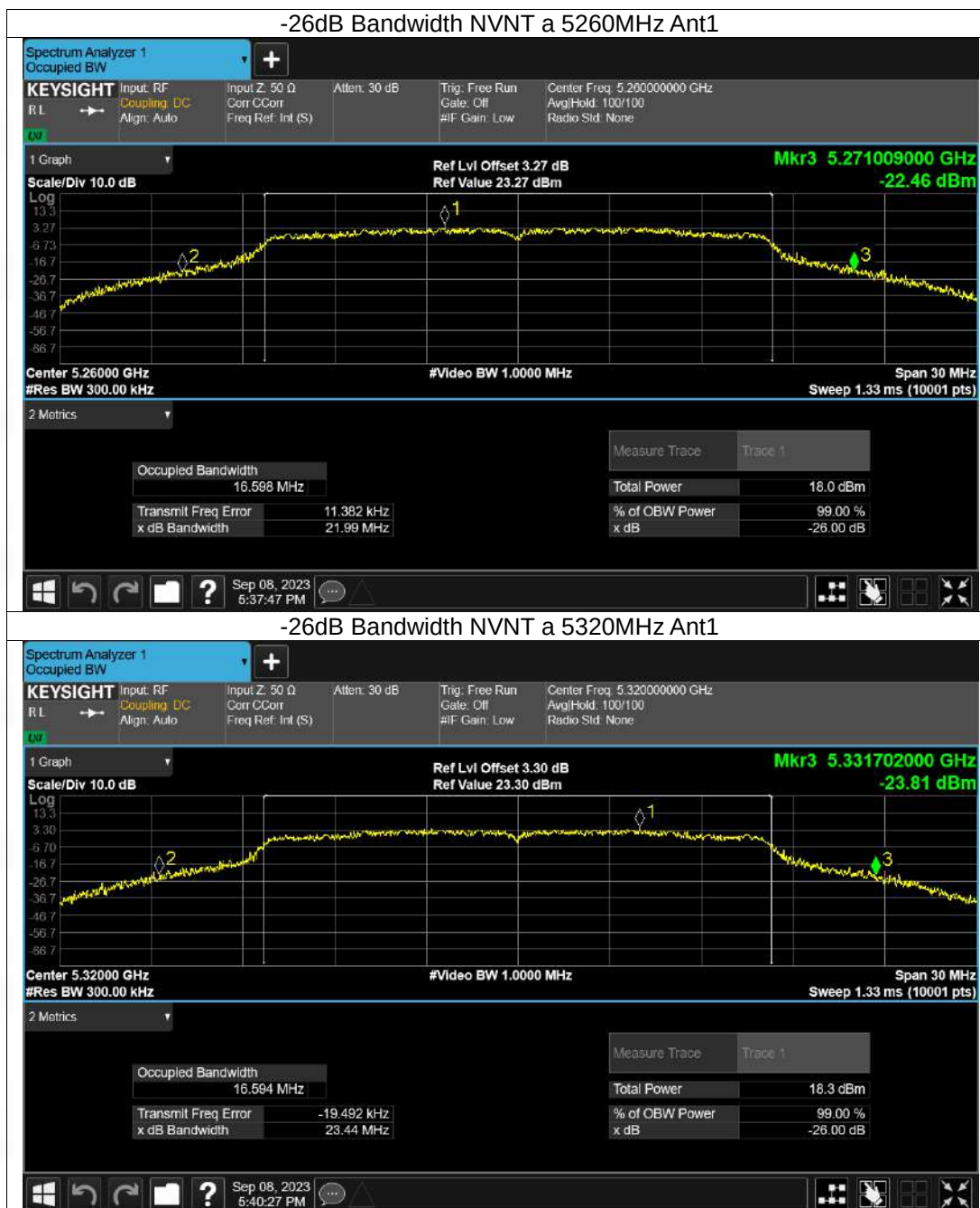
ax40	Ant1	42.09	0.5	Pass
ax80	Ant1	81.122	0.5	Pass
ax80	Ant1	79.899	0.5	Pass
ax80	Ant1	80.64	0.5	Pass
ax80	Ant1	80.295	0.5	Pass

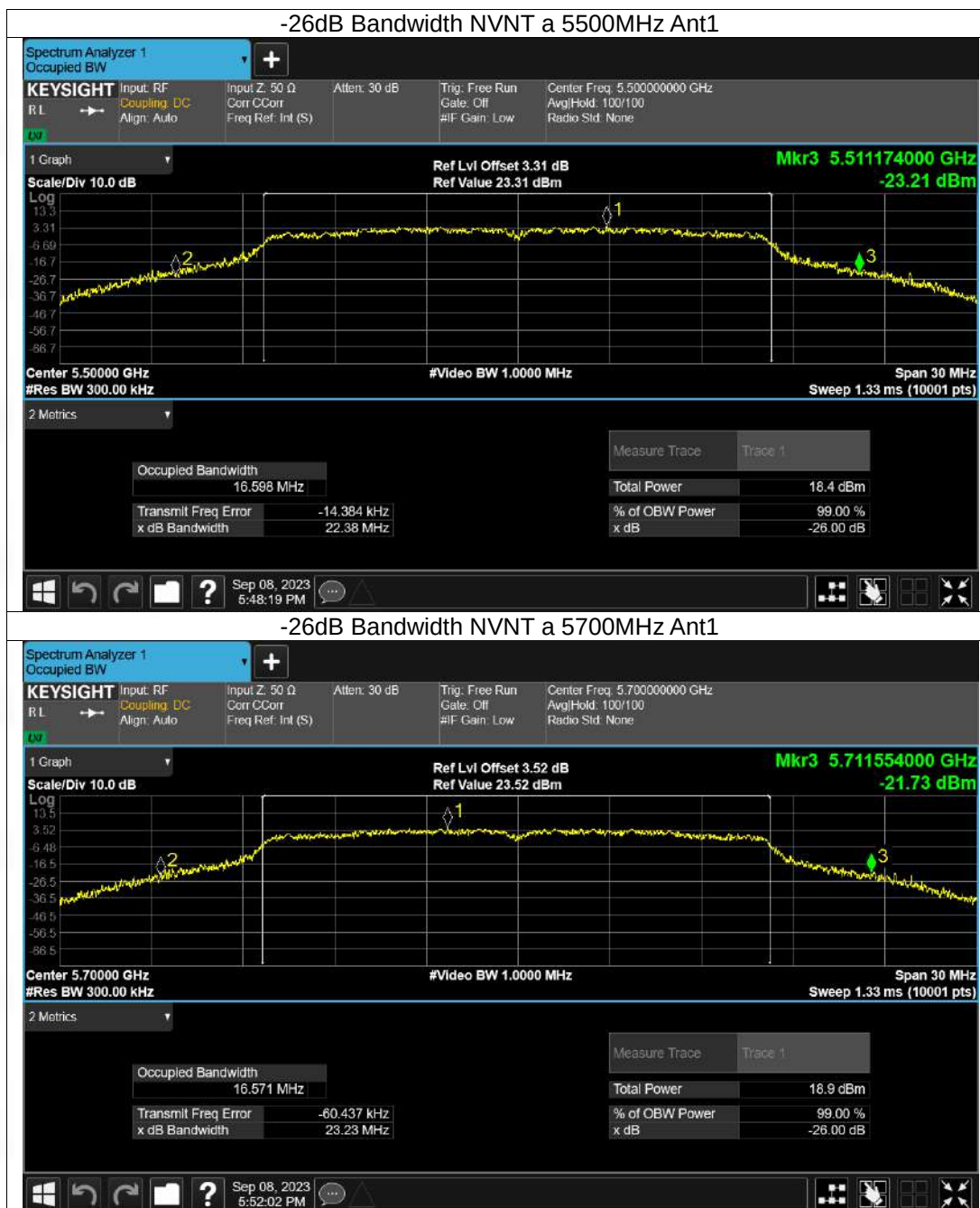
-6dB Bandwidth

Mode	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	Ant1	16.323	0.5	Pass
a	Ant1	16.299	0.5	Pass
n20	Ant1	17.556	0.5	Pass
n20	Ant1	17.562	0.5	Pass
n40	Ant1	36.046	0.5	Pass
n40	Ant1	36.311	0.5	Pass
ac20	Ant1	17.537	0.5	Pass
ac20	Ant1	17.542	0.5	Pass
ac40	Ant1	36.071	0.5	Pass
ac40	Ant1	36.292	0.5	Pass
ac80	Ant1	75.048	0.5	Pass
ax20	Ant1	18.771	0.5	Pass
ax20	Ant1	18.322	0.5	Pass
ax40	Ant1	37.901	0.5	Pass
ax40	Ant1	37.754	0.5	Pass
ax80	Ant1	75.07	0.5	Pass

1.1.2 Test Graph















































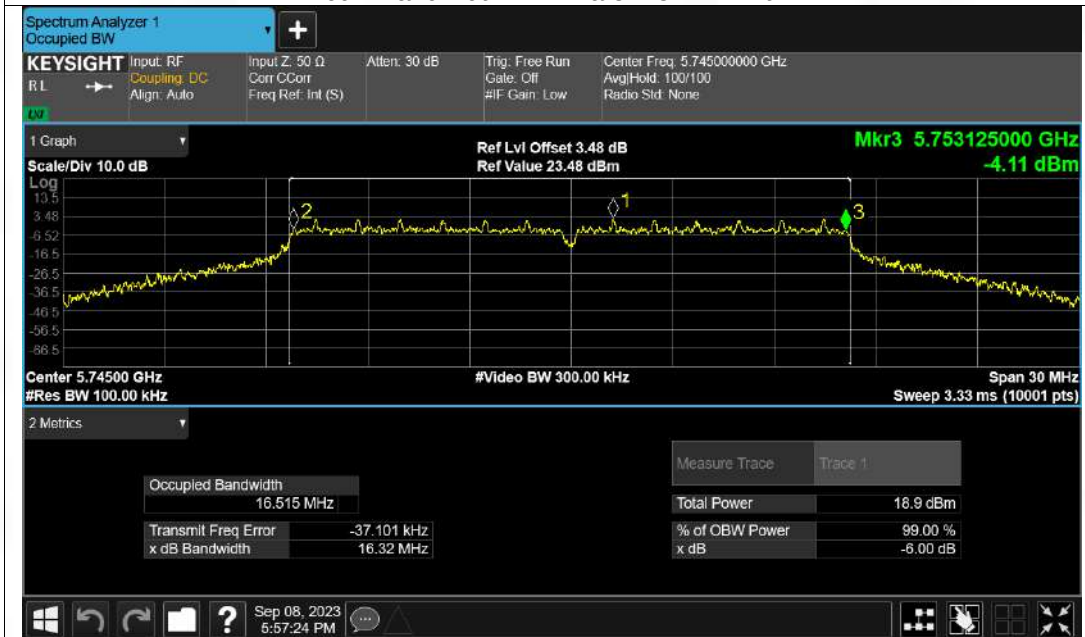




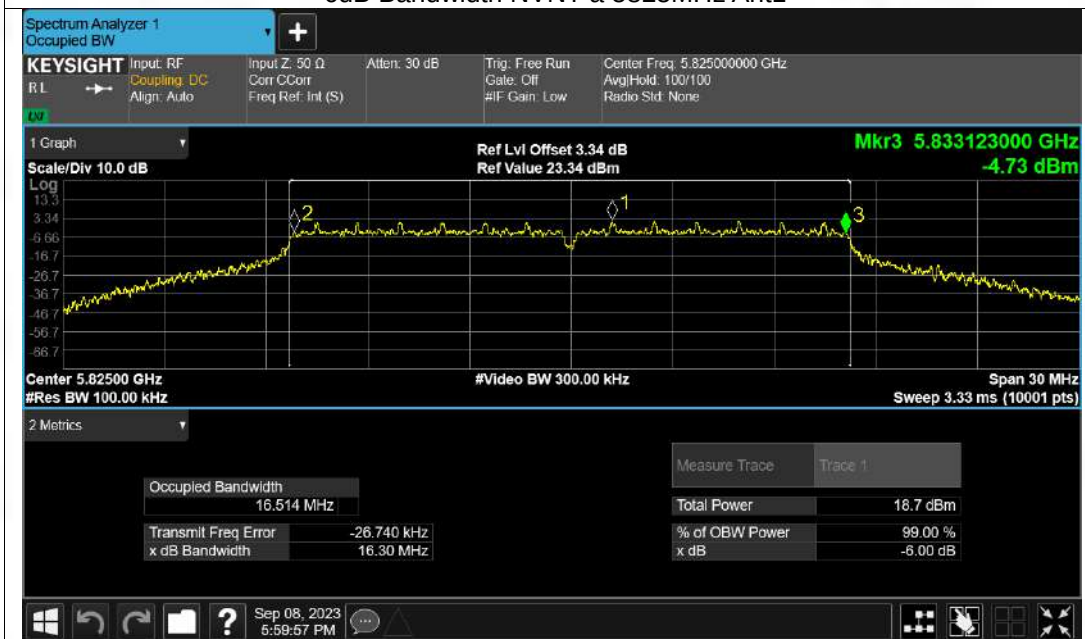


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

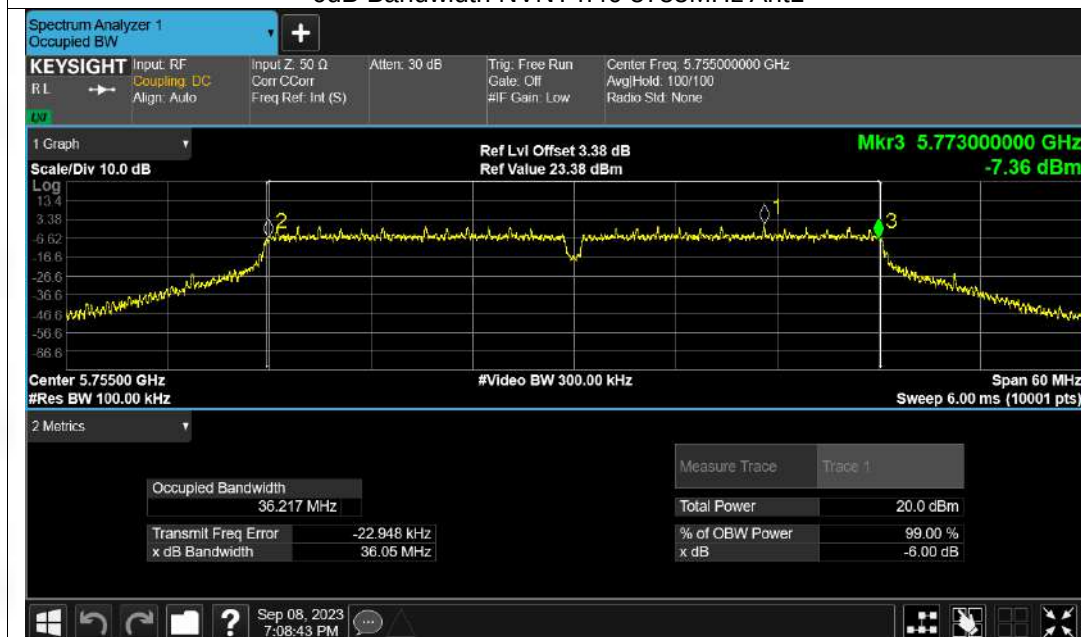


-6dB Bandwidth NVNT a 5825MHz Ant1

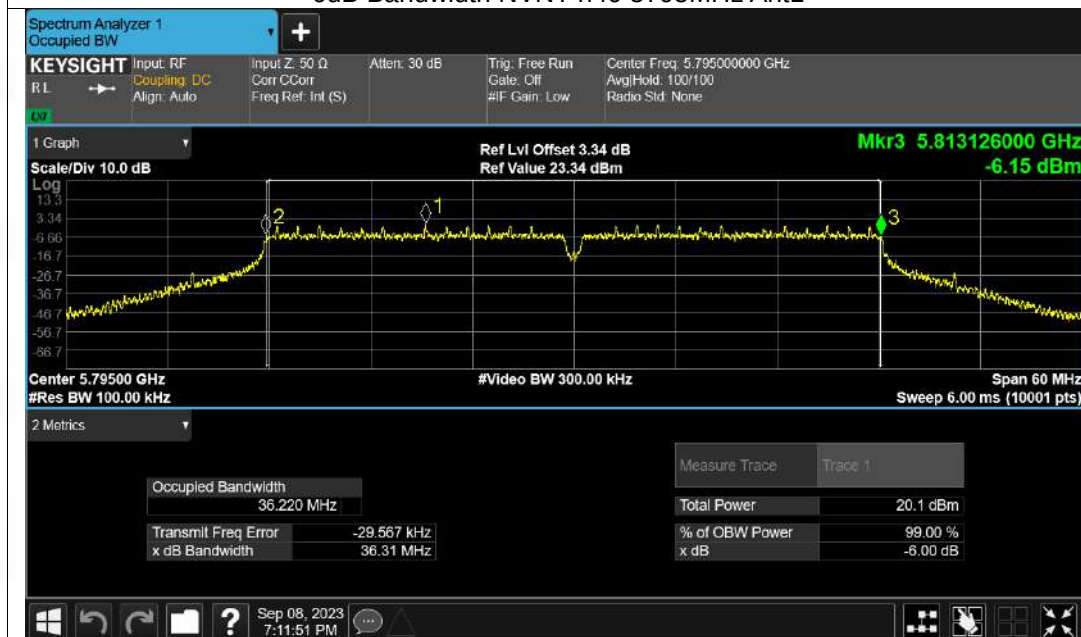




-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1













2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	12.46	24	Pass
a	5240	Ant1	11.64	24	Pass
a	5260	Ant1	11.56	24	Pass
a	5320	Ant1	11.68	24	Pass
a	5500	Ant1	11.57	24	Pass
a	5700	Ant1	12.55	24	Pass
a	5745	Ant1	12.17	30	Pass
a	5825	Ant1	11.97	30	Pass
n20	5180	Ant1	12.34	24	Pass
n20	5240	Ant1	11.53	24	Pass
n20	5260	Ant1	11.49	24	Pass
n20	5320	Ant1	11.71	24	Pass
n20	5500	Ant1	11.63	24	Pass
n20	5700	Ant1	12.44	24	Pass
n20	5745	Ant1	12.28	30	Pass
n20	5825	Ant1	12.04	30	Pass
n40	5190	Ant1	13.16	24	Pass
n40	5230	Ant1	13.32	24	Pass
n40	5270	Ant1	13.22	24	Pass
n40	5310	Ant1	12.29	24	Pass
n40	5510	Ant1	11.87	24	Pass
n40	5670	Ant1	13.89	24	Pass
n40	5755	Ant1	13.43	30	Pass
n40	5795	Ant1	13.38	30	Pass
ac20	5180	Ant1	12.42	24	Pass
ac20	5240	Ant1	11.64	24	Pass
ac20	5260	Ant1	11.54	24	Pass
ac20	5320	Ant1	11.71	24	Pass
ac20	5500	Ant1	11.72	24	Pass
ac20	5700	Ant1	12.53	24	Pass
ac20	5745	Ant1	12.32	30	Pass
ac20	5825	Ant1	11.97	30	Pass
ac40	5190	Ant1	13.1	24	Pass
ac40	5230	Ant1	13.29	24	Pass
ac40	5270	Ant1	13.16	24	Pass
ac40	5310	Ant1	12.32	24	Pass
ac40	5510	Ant1	11.89	24	Pass
ac40	5670	Ant1	13.89	24	Pass
ac40	5755	Ant1	13.42	30	Pass
ac40	5795	Ant1	13.41	30	Pass
ac80	5210	Ant1	13.29	24	Pass
ac80	5290	Ant1	11.5	24	Pass
ac80	5530	Ant1	12.15	24	Pass
ac80	5610	Ant1	14.17	24	Pass
ac80	5775	Ant1	12.96	30	Pass
ax160	5250	Ant1	8.23	24	Pass
ax160	5570	Ant1	10.07	24	Pass
ax20	5180	Ant1	12.37	24	Pass

ax20	5240	Ant1	11.56	24	Pass
ax20	5260	Ant1	11.51	24	Pass
ax20	5320	Ant1	11.66	24	Pass
ax20	5500	Ant1	11.64	24	Pass
ax20	5700	Ant1	12.47	24	Pass
ax20	5745	Ant1	12.19	30	Pass
ax20	5825	Ant1	11.89	30	Pass
ax40	5190	Ant1	12.84	24	Pass
ax40	5230	Ant1	13.05	24	Pass
ax40	5270	Ant1	12.9	24	Pass
ax40	5310	Ant1	12.1	24	Pass
ax40	5510	Ant1	11.69	24	Pass
ax40	5670	Ant1	13.68	24	Pass
ax40	5755	Ant1	13.26	30	Pass
ax40	5795	Ant1	13.19	30	Pass
ax80	5210	Ant1	12.99	24	Pass
ax80	5290	Ant1	11.21	24	Pass
ax80	5530	Ant1	11.88	24	Pass
ax80	5610	Ant1	13.86	24	Pass
ax80	5775	Ant1	12.65	30	Pass

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant2	12.09	24	Pass
a	5240	Ant2	11.37	24	Pass
a	5260	Ant2	11.25	24	Pass
a	5320	Ant2	11.66	24	Pass
a	5500	Ant2	11.48	24	Pass
a	5700	Ant2	12.3	24	Pass
a	5745	Ant2	12.26	30	Pass
a	5825	Ant2	11.51	30	Pass
n20	5180	Ant2	12.35	24	Pass
n20	5240	Ant2	11.45	24	Pass
n20	5260	Ant2	11.32	24	Pass
n20	5320	Ant2	11.7	24	Pass
n20	5500	Ant2	11.35	24	Pass
n20	5700	Ant2	12.23	24	Pass
n20	5745	Ant2	12.3	30	Pass
n20	5825	Ant2	11.58	30	Pass
n40	5190	Ant2	13.11	24	Pass
n40	5230	Ant2	13.14	24	Pass
n40	5270	Ant2	12.98	24	Pass
n40	5310	Ant2	12.25	24	Pass
n40	5510	Ant2	11.71	24	Pass
n40	5670	Ant2	13.59	24	Pass
n40	5755	Ant2	13.32	30	Pass
n40	5795	Ant2	13.25	30	Pass
ac20	5180	Ant2	12.32	24	Pass
ac20	5240	Ant2	11.43	24	Pass
ac20	5260	Ant2	11.26	24	Pass
ac20	5320	Ant2	11.69	24	Pass
ac20	5500	Ant2	11.36	24	Pass
ac20	5700	Ant2	12.24	24	Pass
ac20	5745	Ant2	12.16	30	Pass
ac20	5825	Ant2	11.55	30	Pass
ac40	5190	Ant2	13.05	24	Pass
ac40	5230	Ant2	13	24	Pass
ac40	5270	Ant2	12.9	24	Pass

ac40	5310	Ant2	12.09	24	Pass
ac40	5510	Ant2	11.71	24	Pass
ac40	5670	Ant2	13.58	24	Pass
ac40	5755	Ant2	13.3	30	Pass
ac40	5795	Ant2	13.14	30	Pass
ac80	5210	Ant2	13.14	24	Pass
ac80	5290	Ant2	11.37	24	Pass
ac80	5530	Ant2	11.94	24	Pass
ac80	5610	Ant2	14.09	24	Pass
ac80	5775	Ant2	12.84	30	Pass
ax160	5250	Ant2	8.43	24	Pass
ax160	5570	Ant2	10.31	24	Pass
ax20	5180	Ant2	12.18	24	Pass
ax20	5240	Ant2	11.39	24	Pass
ax20	5260	Ant2	11.2	24	Pass
ax20	5320	Ant2	11.6	24	Pass
ax20	5500	Ant2	11.32	24	Pass
ax20	5700	Ant2	12.29	24	Pass
ax20	5745	Ant2	12.26	30	Pass
ax20	5825	Ant2	11.52	30	Pass
ax40	5190	Ant2	12.74	24	Pass
ax40	5230	Ant2	12.72	24	Pass
ax40	5270	Ant2	12.58	24	Pass
ax40	5310	Ant2	11.83	24	Pass
ax40	5510	Ant2	11.37	24	Pass
ax40	5670	Ant2	13.27	24	Pass
ax40	5755	Ant2	13	30	Pass
ax40	5795	Ant2	12.87	30	Pass
ax80	5210	Ant2	12.85	24	Pass
ax80	5290	Ant2	11.03	24	Pass
ax80	5530	Ant2	11.73	24	Pass
ax80	5610	Ant2	13.8	24	Pass
ax80	5775	Ant2	12.5	30	Pass

MIMO Mode

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	15.29	24	Pass
a	5240	14.52	24	Pass
a	5260	14.42	24	Pass
a	5320	14.68	24	Pass
a	5500	14.54	24	Pass
a	5700	15.44	24	Pass
a	5745	15.23	30	Pass
a	5825	14.76	30	Pass
n20	5180	15.36	24	Pass
n20	5240	14.50	24	Pass
n20	5260	14.42	24	Pass
n20	5320	14.72	24	Pass
n20	5500	14.50	24	Pass
n20	5700	15.35	24	Pass
n20	5745	15.30	30	Pass
n20	5825	14.83	30	Pass
n40	5190	16.15	24	Pass
n40	5230	16.24	24	Pass
n40	5270	16.11	24	Pass
n40	5310	15.28	24	Pass
n40	5510	14.80	24	Pass
n40	5670	16.75	24	Pass
n40	5755	16.39	30	Pass
n40	5795	16.33	30	Pass
ac20	5180	15.38	24	Pass
ac20	5240	14.55	24	Pass
ac20	5260	14.41	24	Pass
ac20	5320	14.71	24	Pass
ac20	5500	14.55	24	Pass
ac20	5700	15.40	24	Pass
ac20	5745	15.25	30	Pass
ac20	5825	14.78	30	Pass
ac40	5190	16.09	24	Pass
ac40	5230	16.16	24	Pass
ac40	5270	16.04	24	Pass
ac40	5310	15.22	24	Pass
ac40	5510	14.81	24	Pass
ac40	5670	16.75	24	Pass
ac40	5755	16.37	30	Pass
ac40	5795	16.29	30	Pass
ac80	5210	16.23	24	Pass
ac80	5290	14.45	24	Pass
ac80	5530	15.06	24	Pass
ac80	5610	17.14	24	Pass
ac80	5775	15.91	30	Pass
ax160	5250	11.34	24	Pass
ax160	5570	13.20	24	Pass
ax20	5180	15.29	24	Pass
ax20	5240	14.49	24	Pass
ax20	5260	14.37	24	Pass
ax20	5320	14.64	24	Pass
ax20	5500	14.49	24	Pass
ax20	5700	15.39	24	Pass
ax20	5745	15.24	30	Pass

ax20	5825	14.72	30	Pass
ax40	5190	15.80	24	Pass
ax40	5230	15.90	24	Pass
ax40	5270	15.75	24	Pass
ax40	5310	14.98	24	Pass
ax40	5510	14.54	24	Pass
ax40	5670	16.49	24	Pass
ax40	5755	16.14	30	Pass
ax40	5795	16.04	30	Pass
ax80	5210	15.93	24	Pass
ax80	5290	14.13	24	Pass
ax80	5530	14.82	24	Pass
ax80	5610	16.84	24	Pass
ax80	5775	15.59	30	Pass

2.1.2 Test Graph

