

Appendix A: Test Results of 5.8G SDR

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Appendix A.1: Test Results of Conducted Power Spectral Density

5.8G SDR, 1.4MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4M	Ant3	5728.5	17.40	≤30.00	PASS
		5786.5	17.69	≤30.00	PASS
		5844.5	17.55	≤30.00	PASS

1.4M_Ant3_5728.5



1.4M_Ant3_5786.5





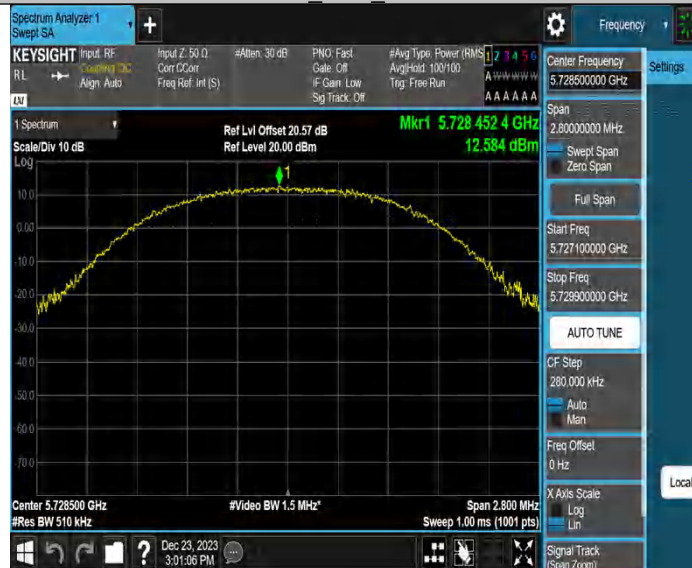
MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4M	Ant1	5728.5	15.01	≤30.00	PASS
	Ant2	5728.5	12.58	≤30.00	PASS
	total	5728.5	16.97	≤30.00	PASS
	Ant1	5786.5	16.28	≤30.00	PASS
	Ant2	5786.5	13.67	≤30.00	PASS
	total	5786.5	18.18	≤30.00	PASS
	Ant1	5844.5	15.28	≤30.00	PASS
	Ant2	5844.5	13.38	≤30.00	PASS
	total	5844.5	17.44	≤30.00	PASS

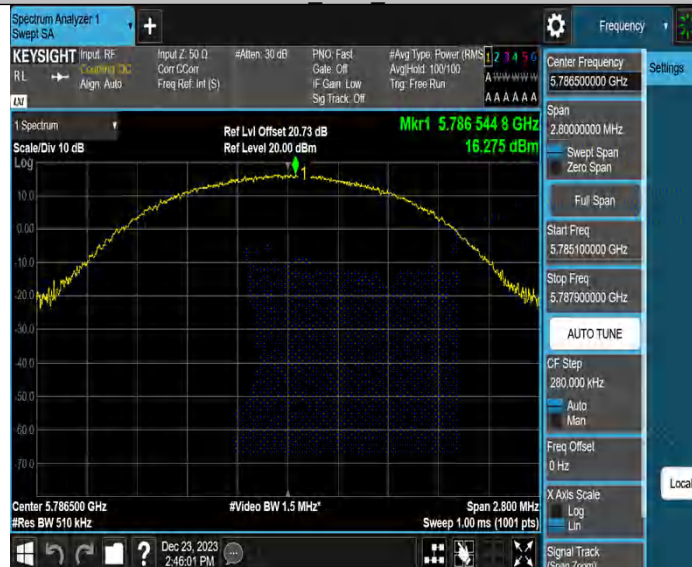
1.4M Ant1 5728.5



1.4M Ant2 5728.5



1.4M Ant1 5786.5

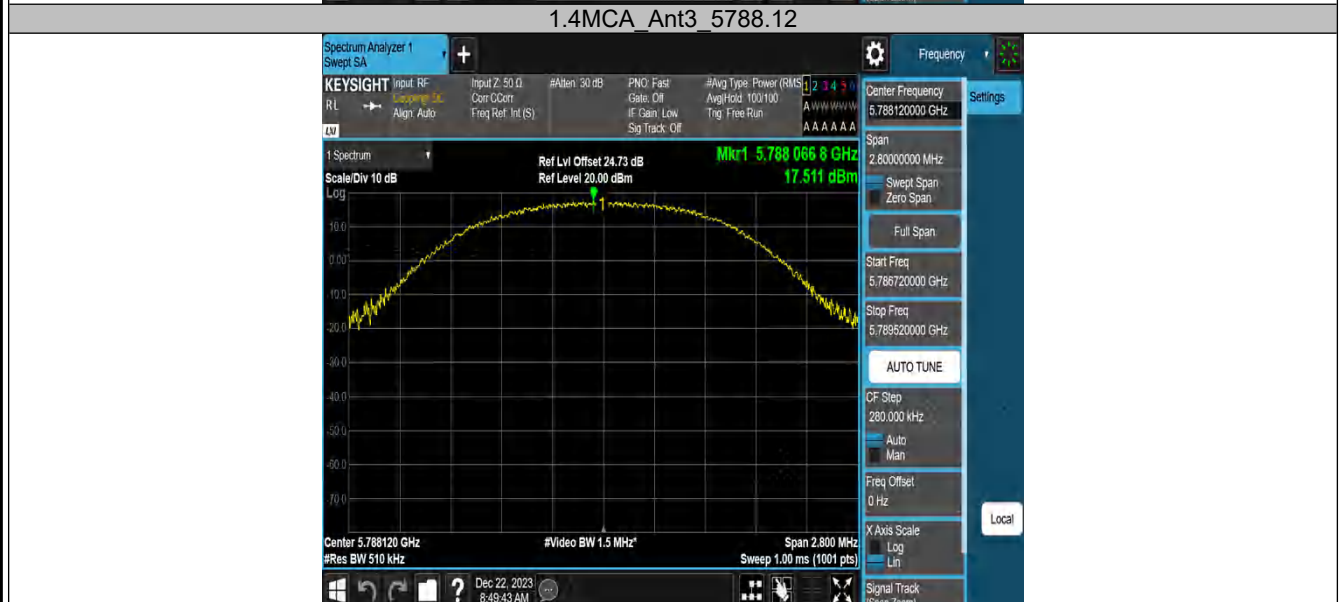
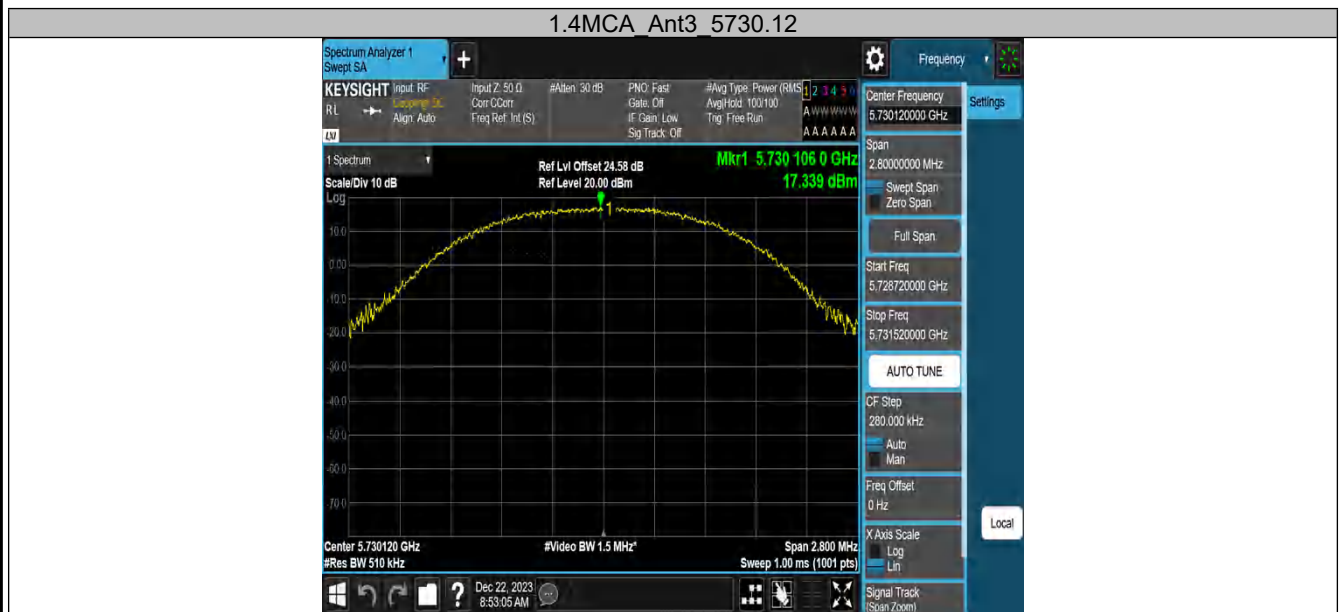




5.8G SDR, 1.4MHz BW CA mode

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4MCA	Ant3	5730.12	17.34	≤30.00	PASS
		5788.12	17.51	≤30.00	PASS
		5846.12	16.73	≤30.00	PASS





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4MCA	Ant1	5730.12	15.04	≤30.00	PASS
	Ant2	5730.12	12.69	≤30.00	PASS
	total	5730.12	17.03	≤30.00	PASS
	Ant1	5788.12	16.25	≤30.00	PASS
	Ant2	5788.12	13.57	≤30.00	PASS
	total	5788.12	18.12	≤30.00	PASS
	Ant1	5846.12	14.40	≤30.00	PASS
	Ant2	5846.12	12.75	≤30.00	PASS
	total	5846.12	16.66	≤30.00	PASS

1.4MCA Ant1 5730.12



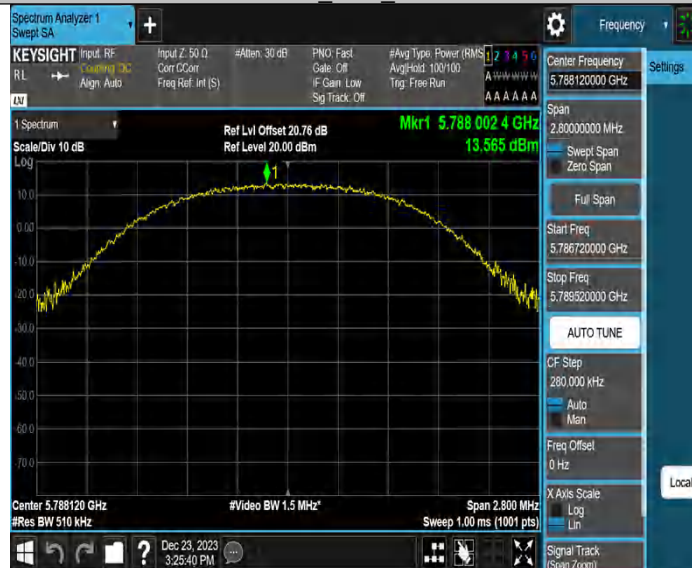
1.4MCA Ant2 5730.12



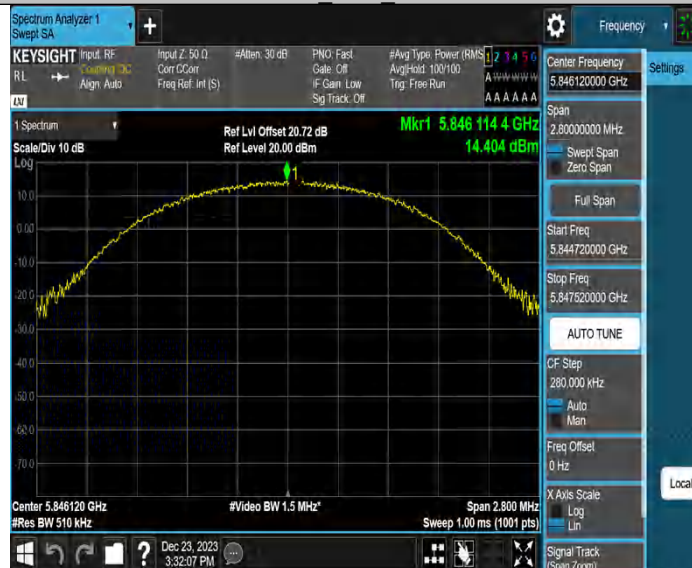
1.4MCA Ant1 5788.12



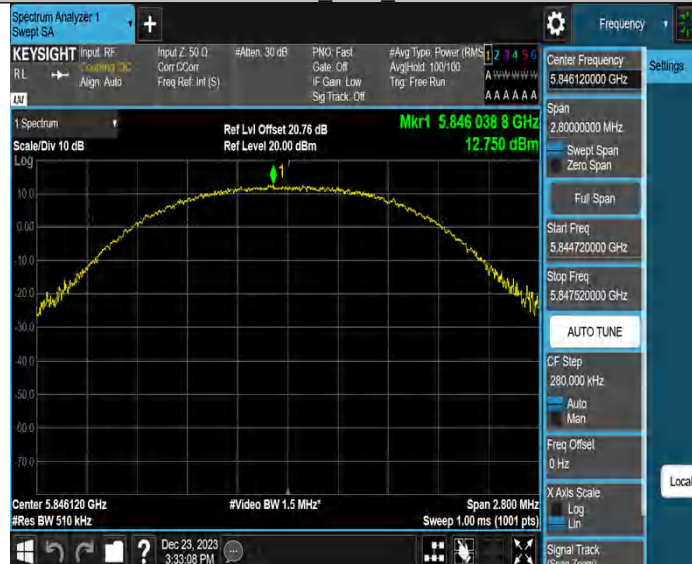
1.4MCA_Ant2_5788.12



1.4MCA_Ant1_5846.12



1.4MCA_Ant2_5846.12



5.8G SDR, 3MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3M	Ant3	5727.5	15.42	≤30.00	PASS
		5784.5	15.38	≤30.00	PASS
		5844.5	15.08	≤30.00	PASS

3M_Ant3_5727.5



3M_Ant3_5784.5





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3M	Ant1	5727.5	10.31	≤30.00	PASS
	Ant2	5727.5	8.51	≤30.00	PASS
	total	5727.5	12.51	≤30.00	PASS
	Ant1	5784.5	11.43	≤30.00	PASS
	Ant2	5784.5	10.90	≤30.00	PASS
	total	5784.5	14.18	≤30.00	PASS
	Ant1	5844.5	11.28	≤30.00	PASS
	Ant2	5844.5	11.03	≤30.00	PASS
	total	5844.5	14.17	≤30.00	PASS

3M_Ant1_5727.5



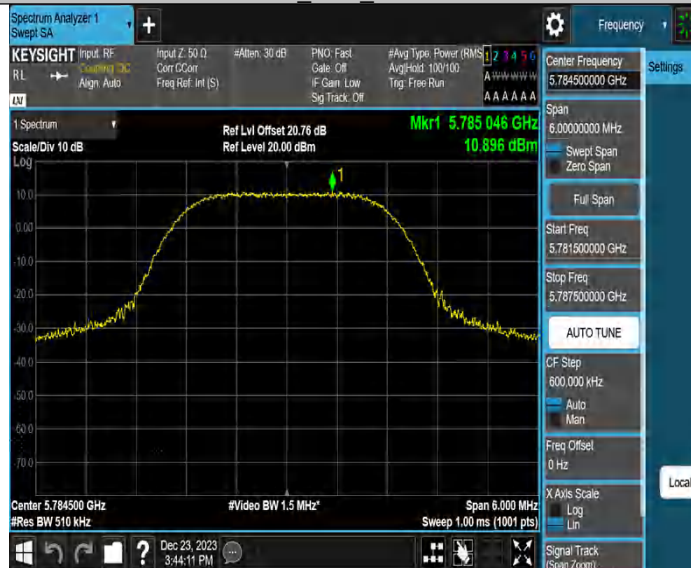
3M_Ant2_5727.5



3M_Ant1_5784.5



3M_Ant2_5784.5



3M_Ant1_5844.5



3M_Ant2_5844.5



5.8G SDR, 3MHz BW CA mode

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3MCA	Ant3	5730.2	14.55	≤30.00	PASS
		5787.2	15.47	≤30.00	PASS
		5847.2	14.50	≤30.00	PASS





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3MCA	Ant1	5730.2	11.21	≤30.00	PASS
	Ant2	5730.2	9.73	≤30.00	PASS
	total	5730.2	13.54	≤30.00	PASS
	Ant1	5787.2	11.67	≤30.00	PASS
	Ant2	5787.2	10.34	≤30.00	PASS
	total	5787.2	14.07	≤30.00	PASS
	Ant1	5847.2	10.77	≤30.00	PASS
	Ant2	5847.2	9.68	≤30.00	PASS
	total	5847.2	13.27	≤30.00	PASS

3MCA_Ant1_5730.2



3MCA_Ant2_5730.2



3MCA_Ant1_5787.2



3MCA_Ant2_5787.2



3MCA_Ant1_5847.2



3MCA_Ant2_5847.2



5.8G SDR, 5MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
5M	Ant3	5732.5	10.96	≤30.00	PASS
		5787.5	12.02	≤30.00	PASS
		5842.5	11.52	≤30.00	PASS





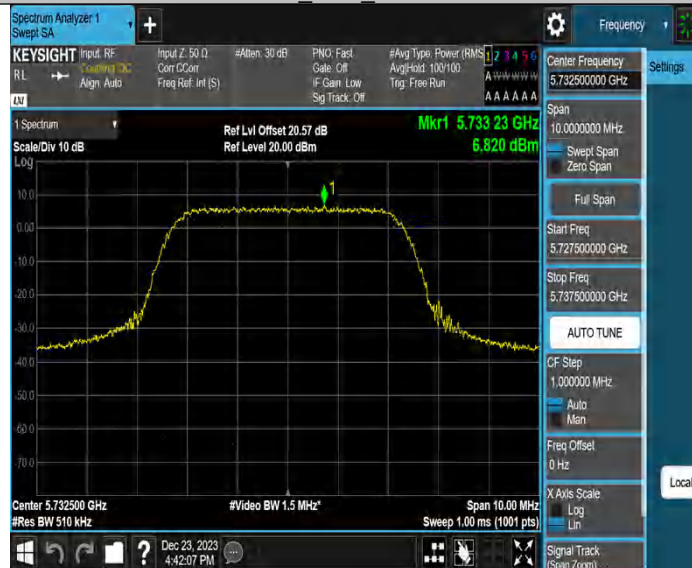
MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
5M	Ant1	5732.5	11.07	≤30.00	PASS
	Ant2	5732.5	6.82	≤30.00	PASS
	total	5732.5	12.46	≤30.00	PASS
	Ant1	5787.5	10.86	≤30.00	PASS
	Ant2	5787.5	7.20	≤30.00	PASS
	total	5787.5	12.41	≤30.00	PASS
	Ant1	5842.5	11.34	≤30.00	PASS
	Ant2	5842.5	6.84	≤30.00	PASS
	total	5842.5	12.66	≤30.00	PASS

5M_Ant1_5732.5



5M_Ant2_5732.5



5M_Ant1_5787.5



5M_Ant2_5787.5



5M_Ant1_5842.5



5M_Ant2_5842.5



5.8G SDR, 10MHz BW

SISO mode (Worst case_ANT3)

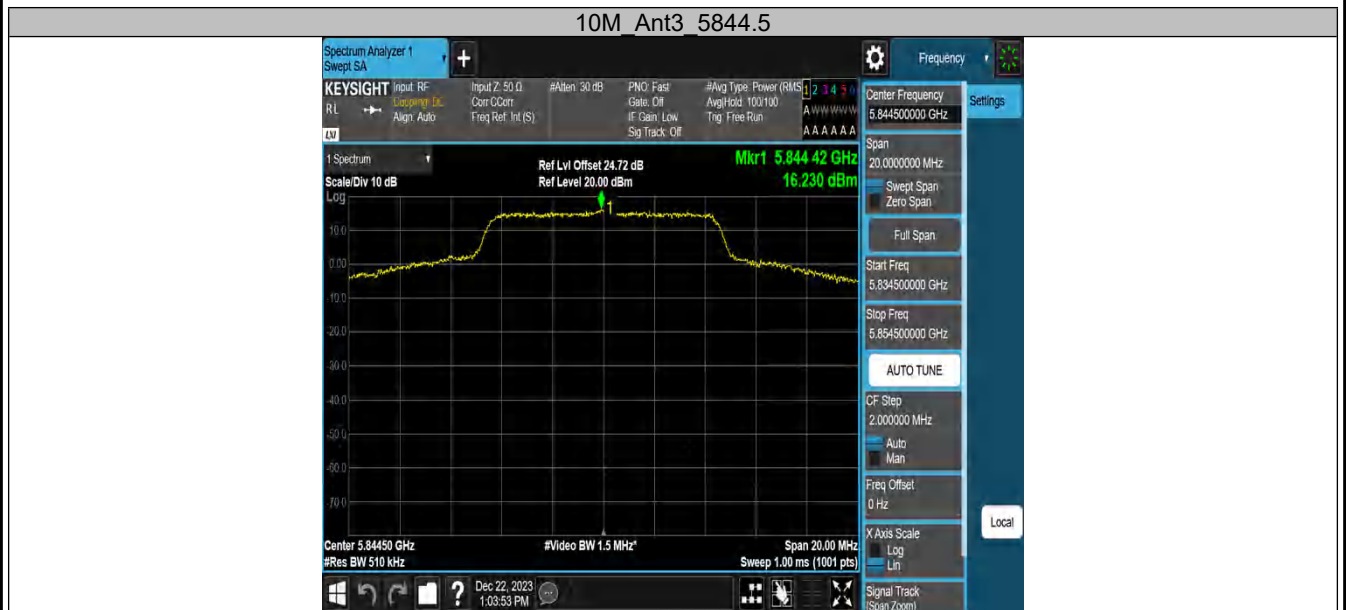
TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
10M	Ant3	5730.5	17.02	≤30.00	PASS
		5786.5	16.16	≤30.00	PASS
		5844.5	16.23	≤30.00	PASS

10M_Ant3_5730.5



10M_Ant3_5786.5





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
10M	Ant1	5730.5	13.15	≤30.00	PASS
	Ant2	5730.5	13.67	≤30.00	PASS
	total	5730.5	16.43	≤30.00	PASS
	Ant1	5786.5	13.73	≤30.00	PASS
	Ant2	5786.5	13.79	≤30.00	PASS
	total	5786.5	16.77	≤30.00	PASS
	Ant1	5844.5	14.75	≤30.00	PASS
	Ant2	5844.5	12.96	≤30.00	PASS
	total	5844.5	16.96	≤30.00	PASS

10M Ant1 5730.5



10M Ant2 5730.5



10M Ant1 5786.5



10M Ant2 5786.5



10M Ant1 5844.5



10M Ant2 5844.5



5.8G SDR, 20MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
20M	Ant3	5735.5	13.88	≤30.00	PASS
		5786.5	13.60	≤30.00	PASS
		5839.5	12.95	≤30.00	PASS

20M_Ant3_5735.5



20M_Ant3_5786.5

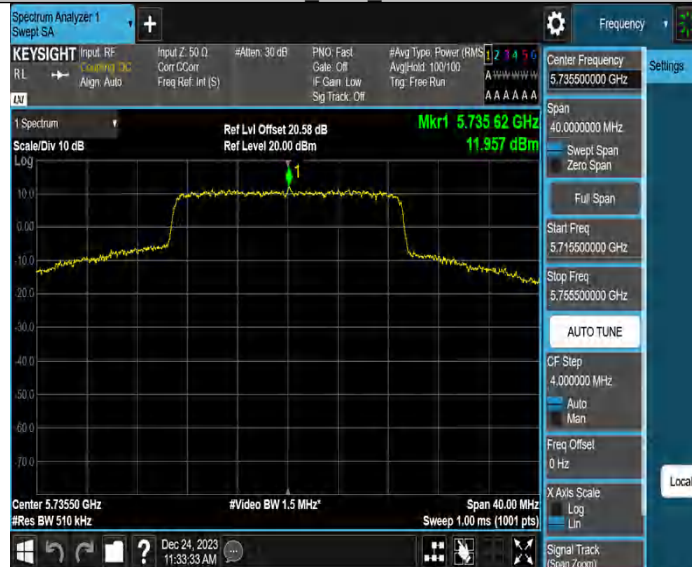




MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
20M	Ant1	5735.5	11.96	≤30.00	PASS
	Ant2	5735.5	9.35	≤30.00	PASS
	total	5735.5	13.86	≤30.00	PASS
	Ant1	5786.5	11.10	≤30.00	PASS
	Ant2	5786.5	13.71	≤30.00	PASS
	total	5786.5	15.61	≤30.00	PASS
	Ant1	5839.5	10.13	≤30.00	PASS
	Ant2	5839.5	13.00	≤30.00	PASS
	total	5839.5	14.81	≤30.00	PASS

20M Ant1 5735.5



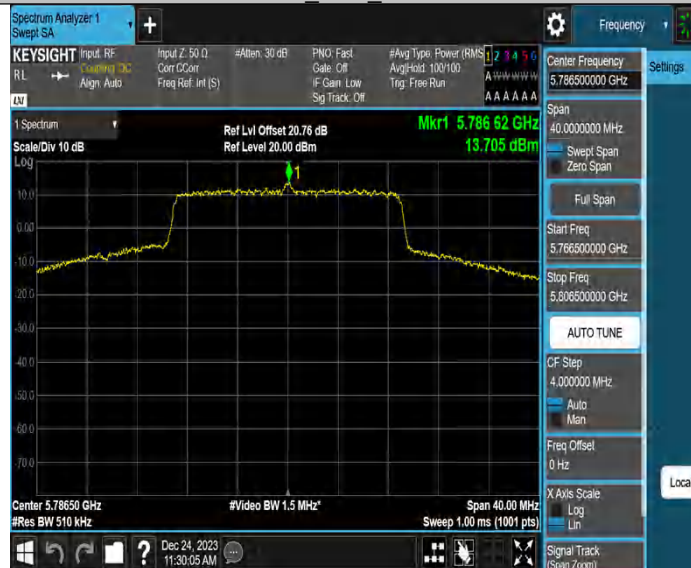
20M Ant2 5735.5



20M Ant1 5786.5



20M Ant2 5786.5



20M Ant1 5839.5



20M Ant2 5839.5



5.8G SDR, 40MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
40M	Ant3	5745.5	11.46	≤30.00	PASS
		5786.5	11.33	≤30.00	PASS
		5829.5	10.12	≤30.00	PASS





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
40M	Ant1	5745.5	9.01	≤30.00	PASS
	Ant2	5745.5	9.69	≤30.00	PASS
	total	5745.5	12.37	≤30.00	PASS
	Ant1	5786.5	8.89	≤30.00	PASS
	Ant2	5786.5	9.27	≤30.00	PASS
	total	5786.5	12.09	≤30.00	PASS
	Ant1	5829.5	7.60	≤30.00	PASS
	Ant2	5829.5	5.65	≤30.00	PASS
	total	5829.5	9.74	≤30.00	PASS

40M Ant1 5745.5



40M Ant2 5745.5



40M Ant1 5786.5



40M Ant2 5786.5



40M Ant1 5829.5



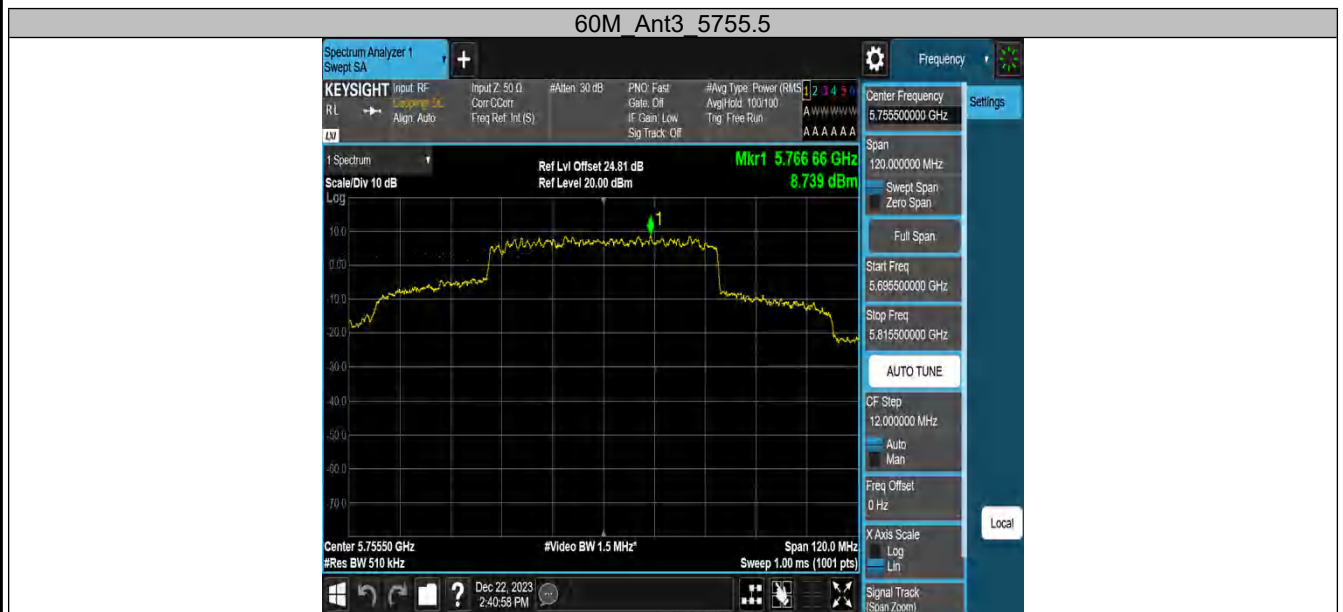
40M Ant2 5829.5



5.8G SDR, 60MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
60M	Ant3	5755.5	8.74	≤30.00	PASS
		5786.5	8.79	≤30.00	PASS
		5819.5	8.35	≤30.00	PASS





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
60M	Ant1	5755.5	8.40	≤30.00	PASS
	Ant2	5755.5	5.41	≤30.00	PASS
	total	5755.5	10.17	≤30.00	PASS
	Ant1	5786.5	6.31	≤30.00	PASS
	Ant2	5786.5	5.18	≤30.00	PASS
	total	5786.5	8.79	≤30.00	PASS
	Ant1	5819.5	9.04	≤30.00	PASS
	Ant2	5819.5	5.20	≤30.00	PASS
	total	5819.5	10.54	≤30.00	PASS



60M Ant2 5786.5



60M Ant1 5819.5



60M Ant2 5819.5



5.8G SDR, 80MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
80M	Ant3	5765.5	8.12	≤30.00	PASS
		5786.5	8.15	≤30.00	PASS
		5809.5	7.66	≤30.00	PASS

80M_Ant3_5765.5



80M_Ant3_5786.5





MIMO mode (Worst case_ANT2+ANT1)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
80M	Ant1	5765.5	5.41	≤30.00	PASS
	Ant2	5765.5	3.90	≤30.00	PASS
	total	5765.5	7.73	≤30.00	PASS
	Ant1	5786.5	5.84	≤30.00	PASS
	Ant2	5786.5	4.31	≤30.00	PASS
	total	5786.5	8.15	≤30.00	PASS
	Ant1	5809.5	6.57	≤30.00	PASS
	Ant2	5809.5	3.82	≤30.00	PASS
	total	5809.5	8.42	≤30.00	PASS

80M Ant1 5765.5



80M Ant2 5765.5



80M Ant1 5786.5



80M Ant2 5786.5



80M Ant1 5809.5



80M Ant2 5809.5



Appendix A.2: Test Results of Frequency Stability

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT2+1) was presented in this report.

Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
1.4M	Ant1	5728.5	na	-3000.00	-0.523697	20	PASS
		5786.5	na	-3000.00	-0.518448	20	PASS
		5844.5	na	-3000.00	-0.513303	20	PASS
1.4MCA	Ant1	5730.12	na	-3000.00	-0.523549	20	PASS
		5788.12	na	-3000.00	-0.518303	20	PASS
		5846.12	na	-4000.00	-0.684214	20	PASS
3M	Ant1	5727.5	na	-3000.00	-0.523789	20	PASS
		5784.5	na	-3000.00	-0.518627	20	PASS
		5844.5	na	-3000.00	-0.513303	20	PASS
3MCA	Ant1	5730.2	na	-3000.00	-0.523542	20	PASS
		5787.2	na	-3000.00	-0.518385	20	PASS
		5847.2	na	-3000.00	-0.513066	20	PASS
5M	Ant1	5732.5	na	-3000.00	-0.523332	20	PASS
		5787.5	na	-3000.00	-0.518359	20	PASS
		5842.5	na	-3000.00	-0.513479	20	PASS
10M	Ant1	5730.5	na	-4000.00	-0.698019	20	PASS
		5786.5	na	-3000.00	-0.518448	20	PASS
		5844.5	na	-4000.00	-0.684404	20	PASS
20M	Ant1	5735.5	na	-4000.00	-0.697411	20	PASS
		5786.5	na	-3000.00	-0.518448	20	PASS
		5839.5	na	-4000.00	-0.684990	20	PASS
40M	Ant1	5745.5	na	-5000.00	-0.870246	20	PASS
		5786.5	na	-5000.00	-0.864080	20	PASS
		5829.5	na	-6000.00	-1.029248	20	PASS
60M	Ant1	5755.5	na	-7000.00	-1.216228	20	PASS
		5786.5	na	-6000.00	-1.036896	20	PASS
		5819.5	na	-5000.00	-0.859180	20	PASS
80M	Ant1	5765.5	na	-5000.00	-0.867227	20	PASS
		5786.5	na	-6000.00	-1.036896	20	PASS
		5809.5	na	-5000.00	-0.860659	20	PASS

Appendix A.3: Test Results of 6dB Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT2+1) was presented in this report.

5.8G SDR, 1.4MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M	Ant1	5728.5	1.070	5727.965	5729.035	0.5	PASS
		5786.5	1.117	5785.946	5787.063	0.5	PASS
		5844.5	1.092	5843.948	5845.040	0.5	PASS

1.4M Ant1 5728.5



1.4M Ant1 5786.5





5.8G SDR, 1.4MHz BW CA mode

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4MCA	Ant1	5730.12	1.081	5729.577	5730.658	0.5	PASS
		5788.12	1.092	5787.574	5788.666	0.5	PASS
		5846.12	1.078	5845.580	5846.658	0.5	PASS

1.4MCA Ant1 5730.12



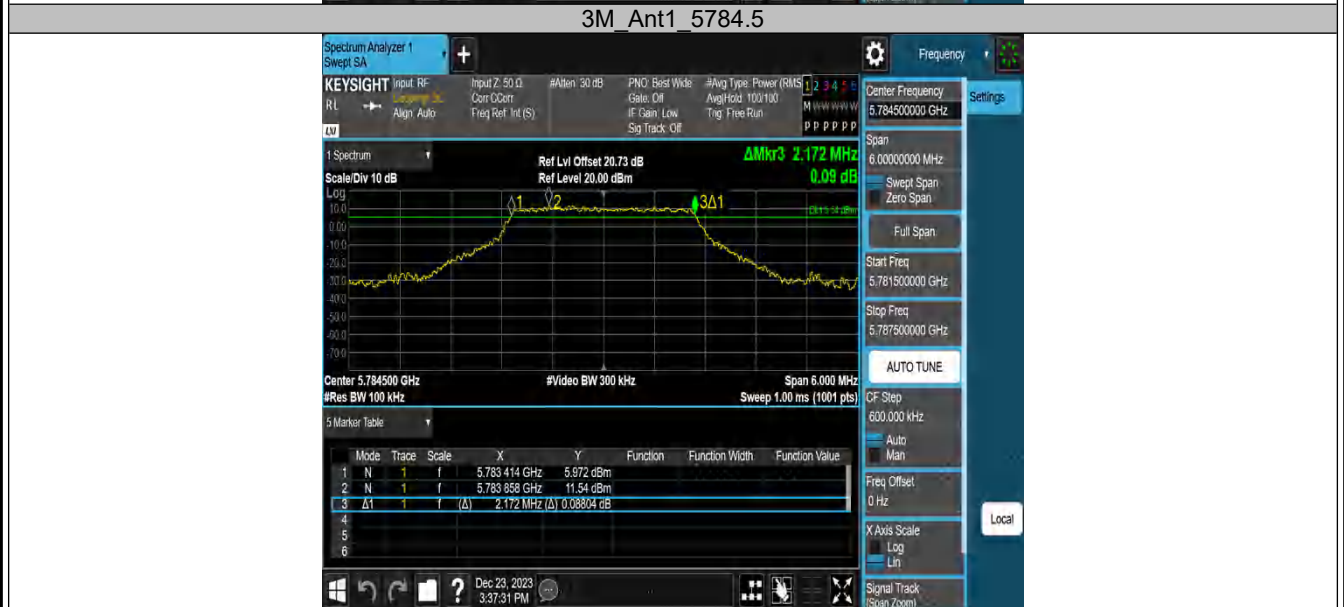
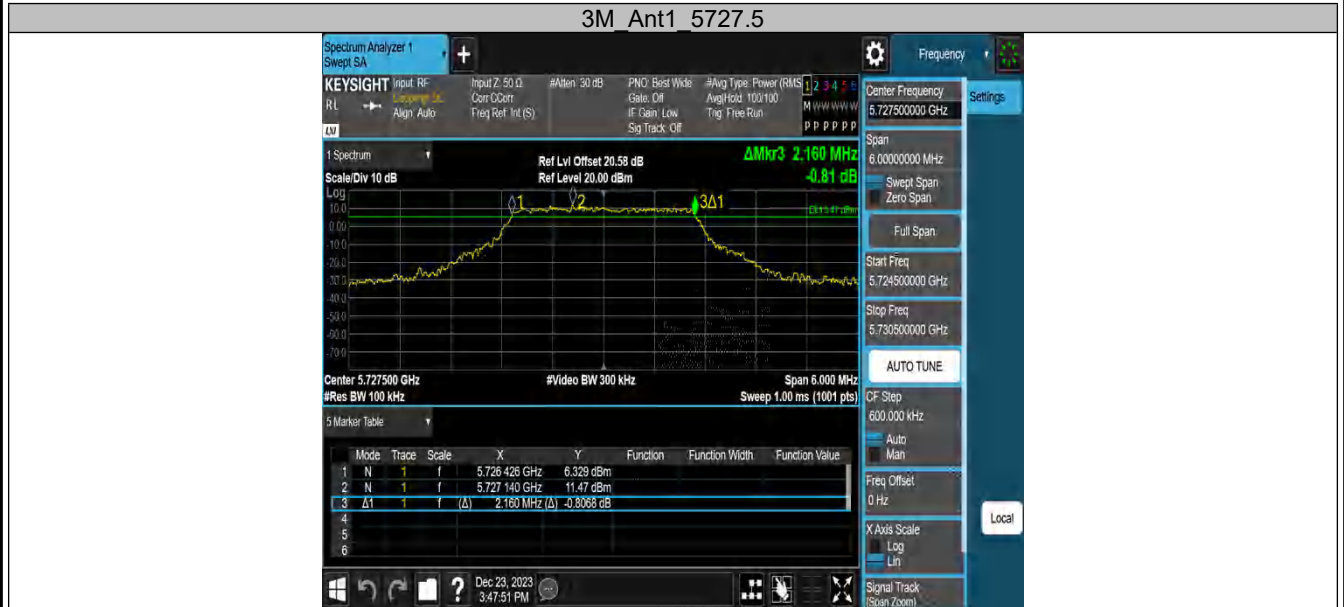
1.4MCA Ant1 5788.12





5.8G SDR, 3MHz BW

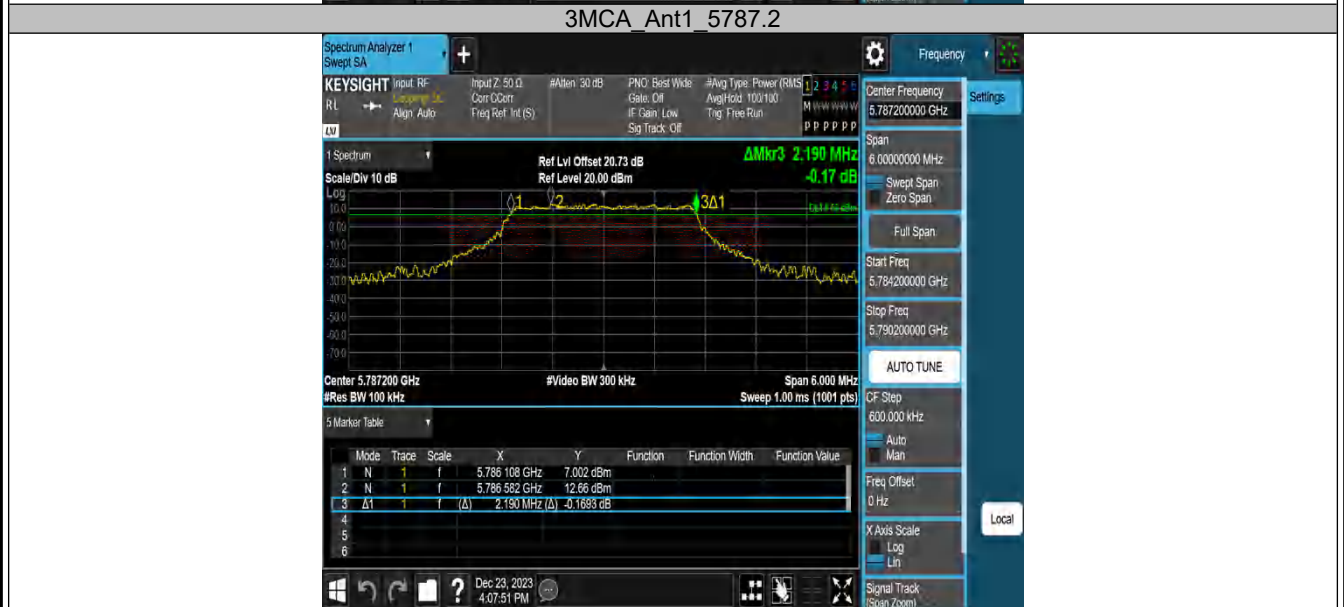
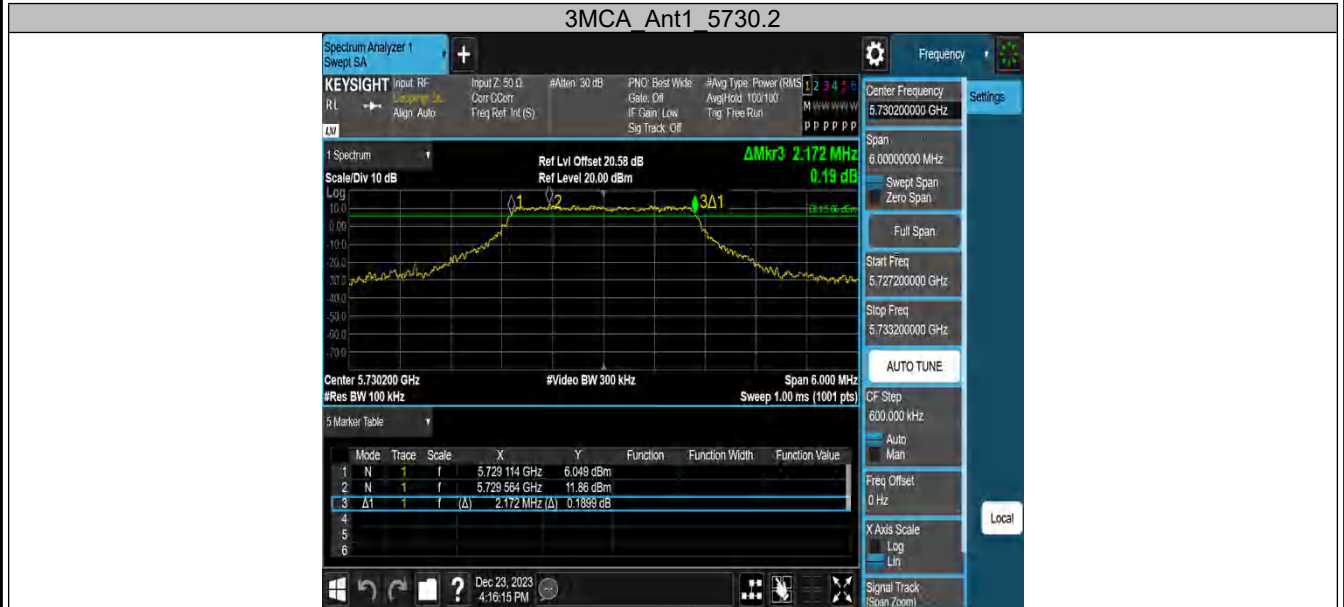
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	Ant1	5727.5	2.160	5726.426	5728.586	0.5	PASS
		5784.5	2.172	5783.414	5785.586	0.5	PASS
		5844.5	2.178	5843.414	5845.592	0.5	PASS





5.8G SDR, 3MHz BW CA mode

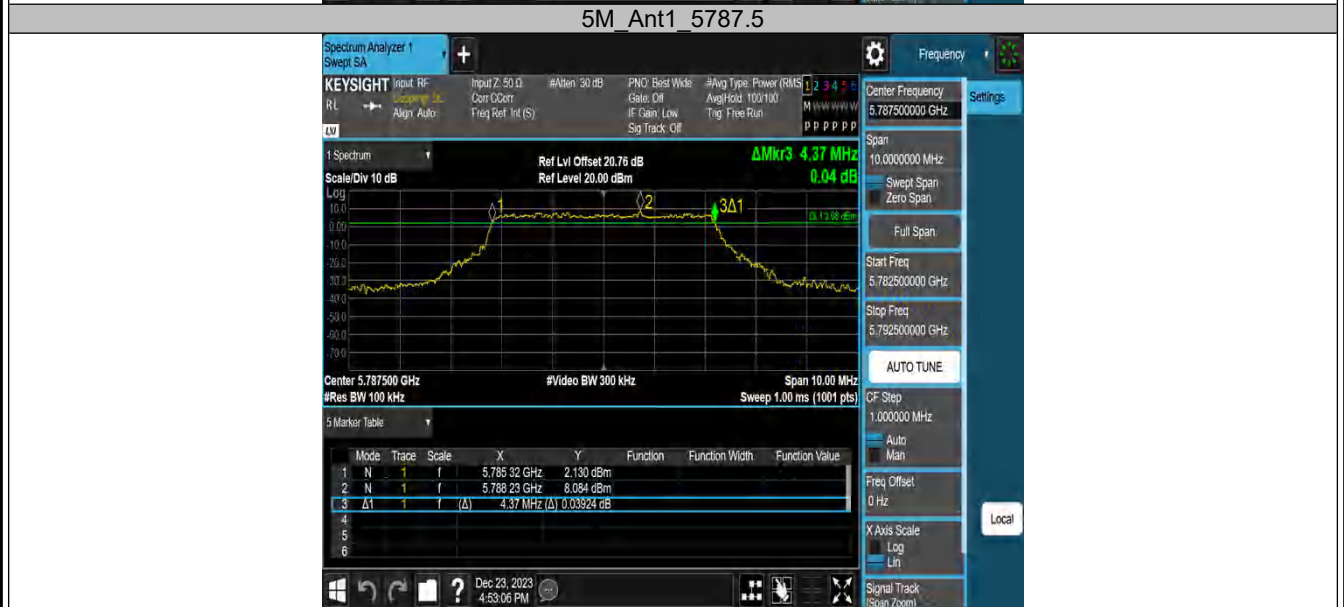
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3MCA	Ant1	5730.2	2.172	5729.114	5731.286	0.5	PASS
		5787.2	2.190	5786.108	5788.298	0.5	PASS
		5847.2	2.166	5846.120	5848.286	0.5	PASS

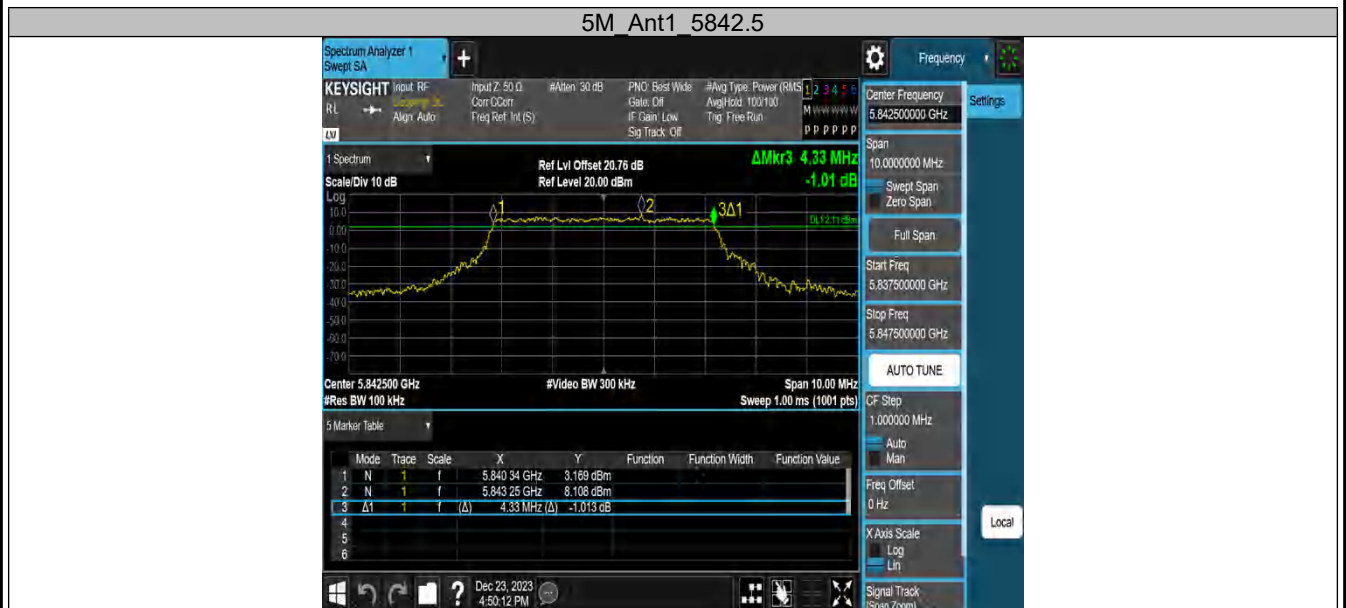




5.8G SDR, 5MHz BW

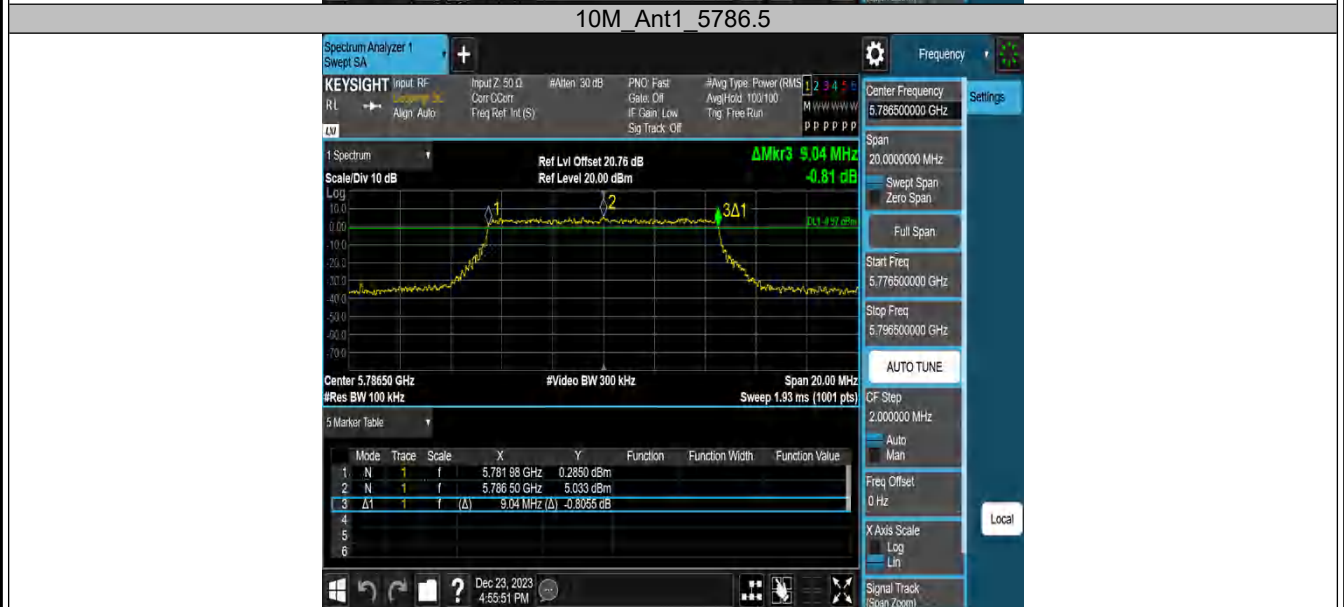
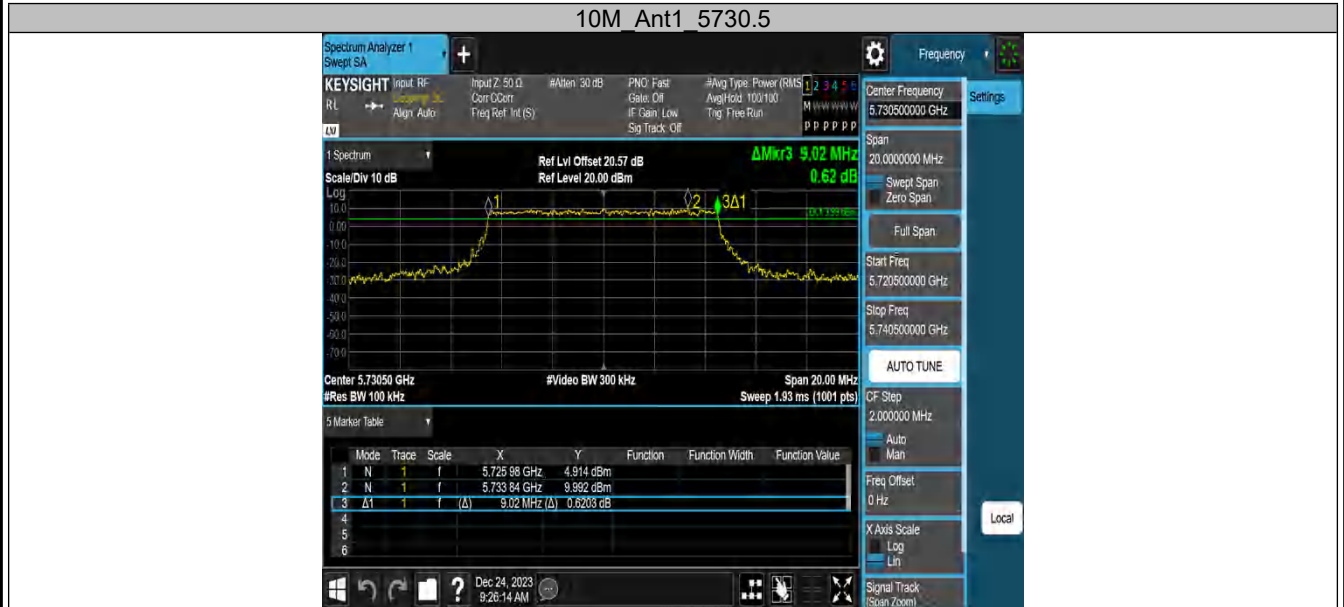
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5M	Ant1	5732.5	4.080	5730.420	5734.500	0.5	PASS
		5787.5	4.370	5785.320	5789.690	0.5	PASS
		5842.5	4.330	5840.340	5844.670	0.5	PASS

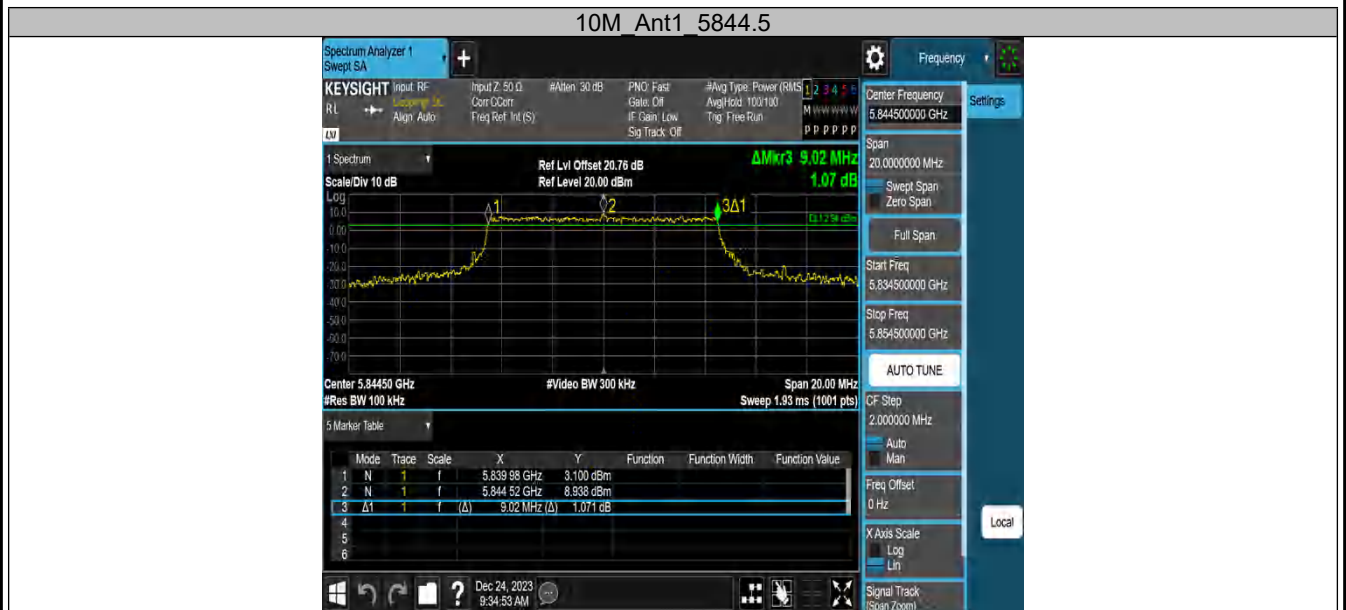




5.8G SDR, 10MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5730.5	9.020	5725.980	5735.000	0.5	PASS
		5786.5	9.040	5781.980	5791.020	0.5	PASS
		5844.5	9.020	5839.980	5849.000	0.5	PASS

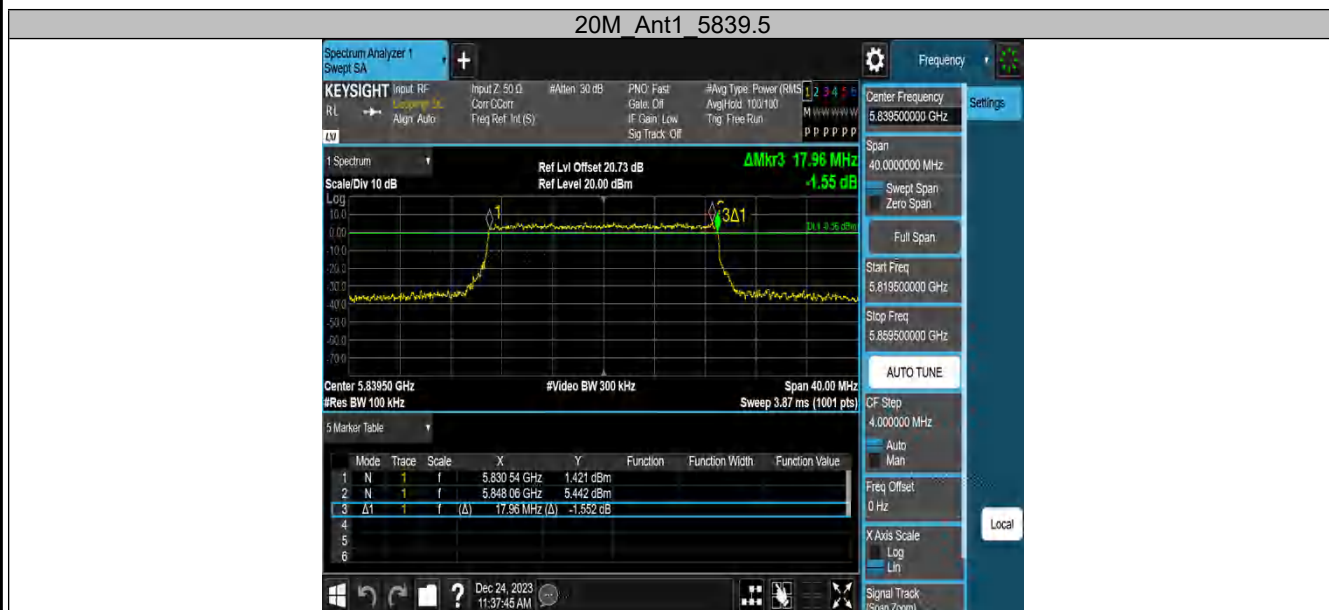




5.8G SDR, 20MHz BW

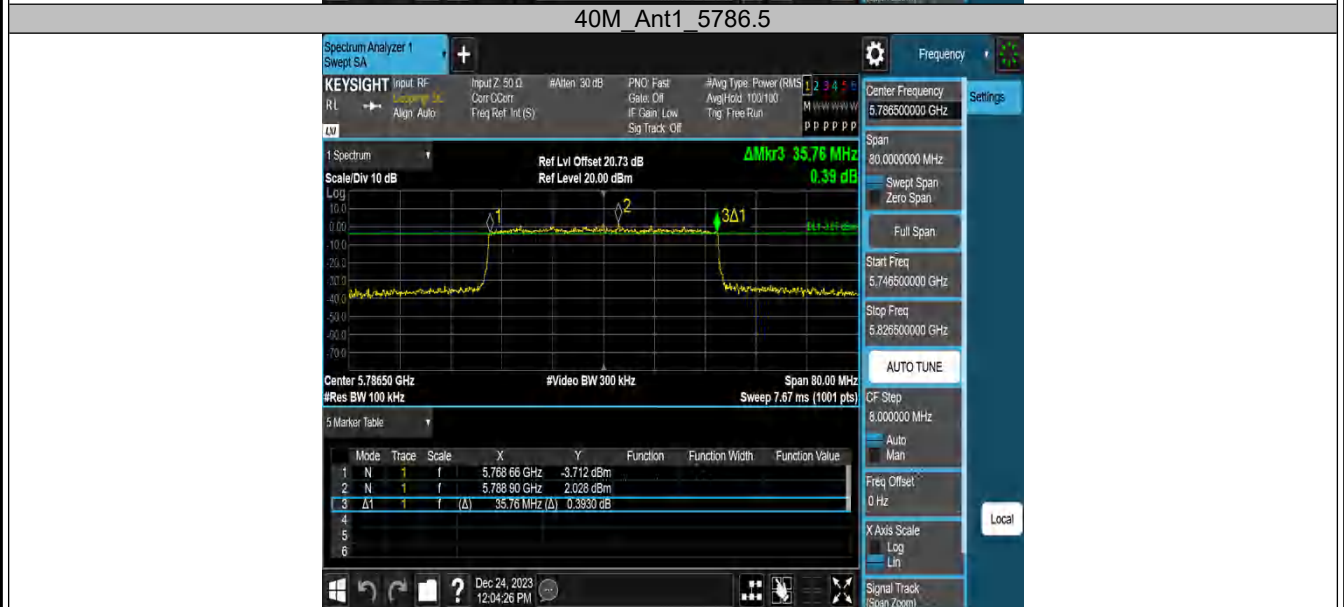
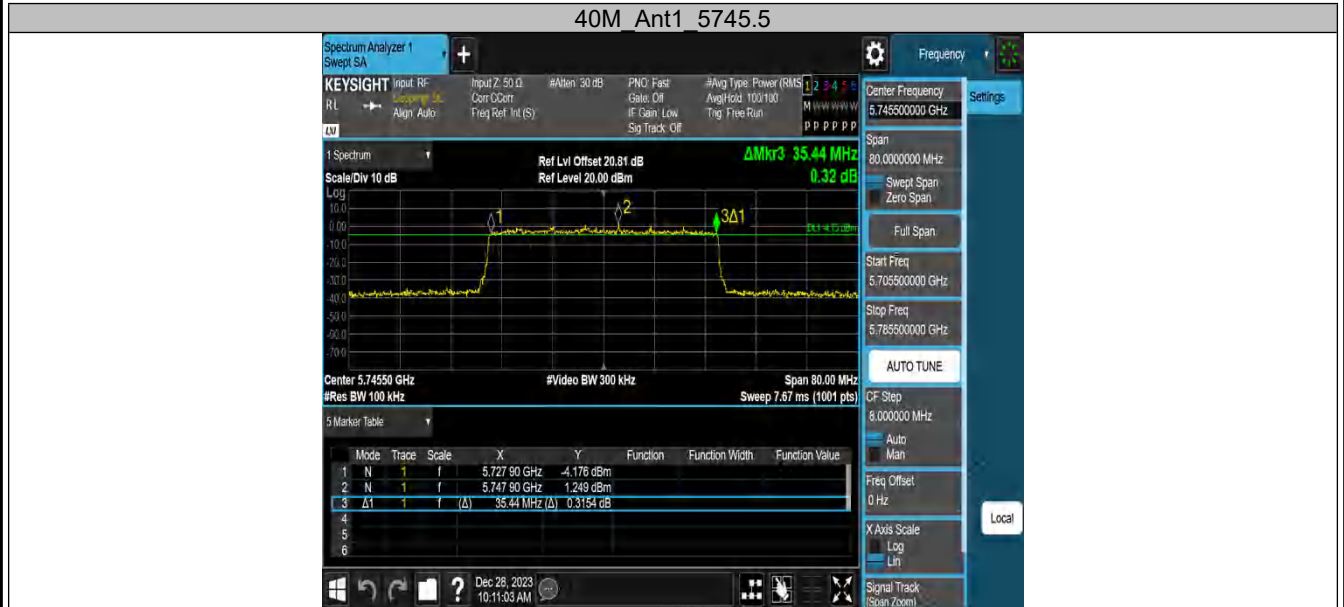
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5735.5	17.960	5726.540	5744.500	0.5	PASS
		5786.5	18.000	5777.500	5795.500	0.5	PASS
		5839.5	17.960	5830.540	5848.500	0.5	PASS





5.8G SDR, 40MHz BW

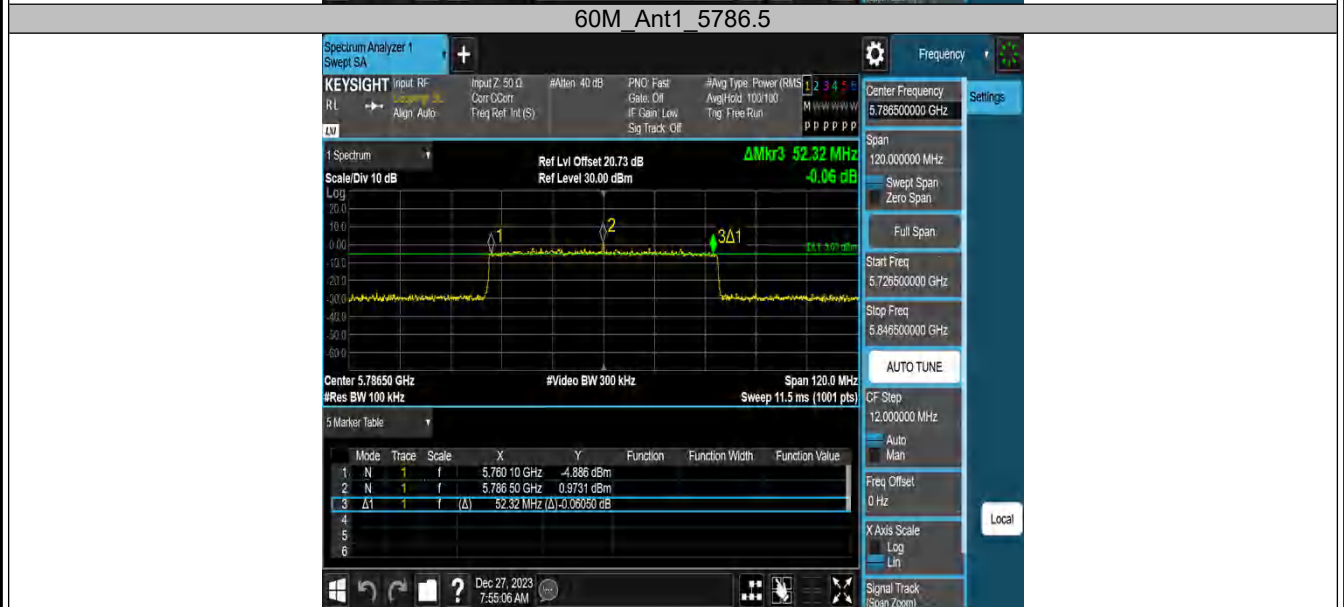
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40M	Ant1	5745.5	35.440	5727.900	5763.340	0.5	PASS
		5786.5	35.760	5768.660	5804.420	0.5	PASS
		5829.5	35.760	5811.660	5847.420	0.5	PASS

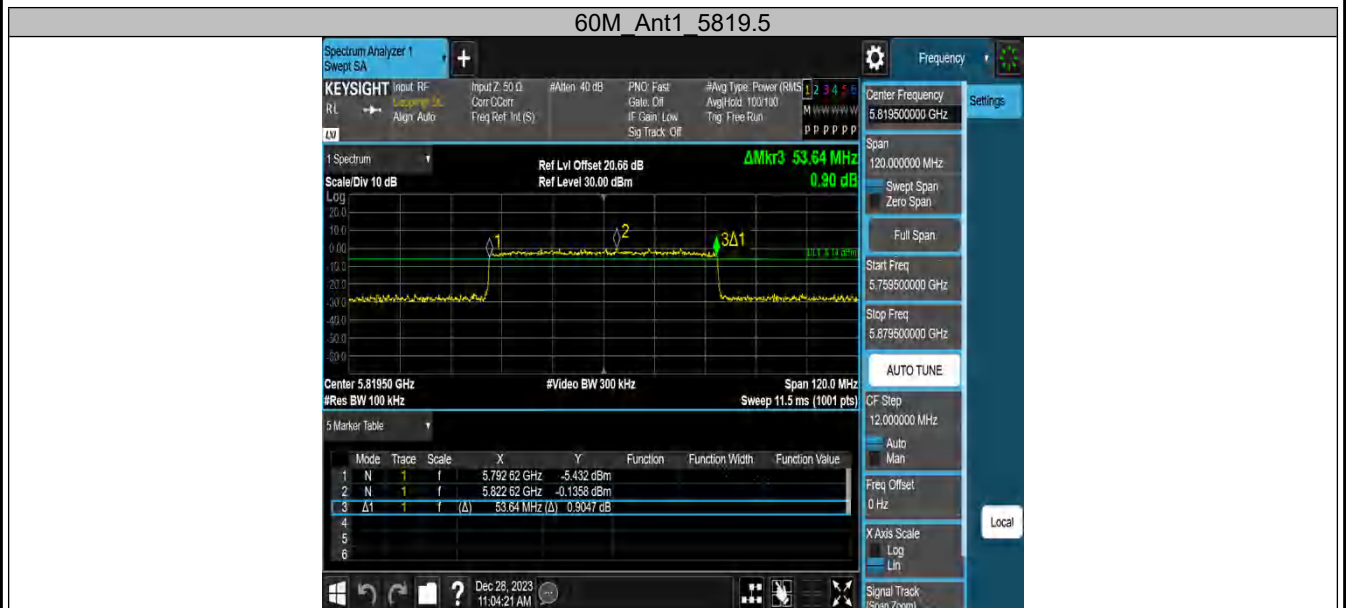




5.8G SDR, 60MHz BW

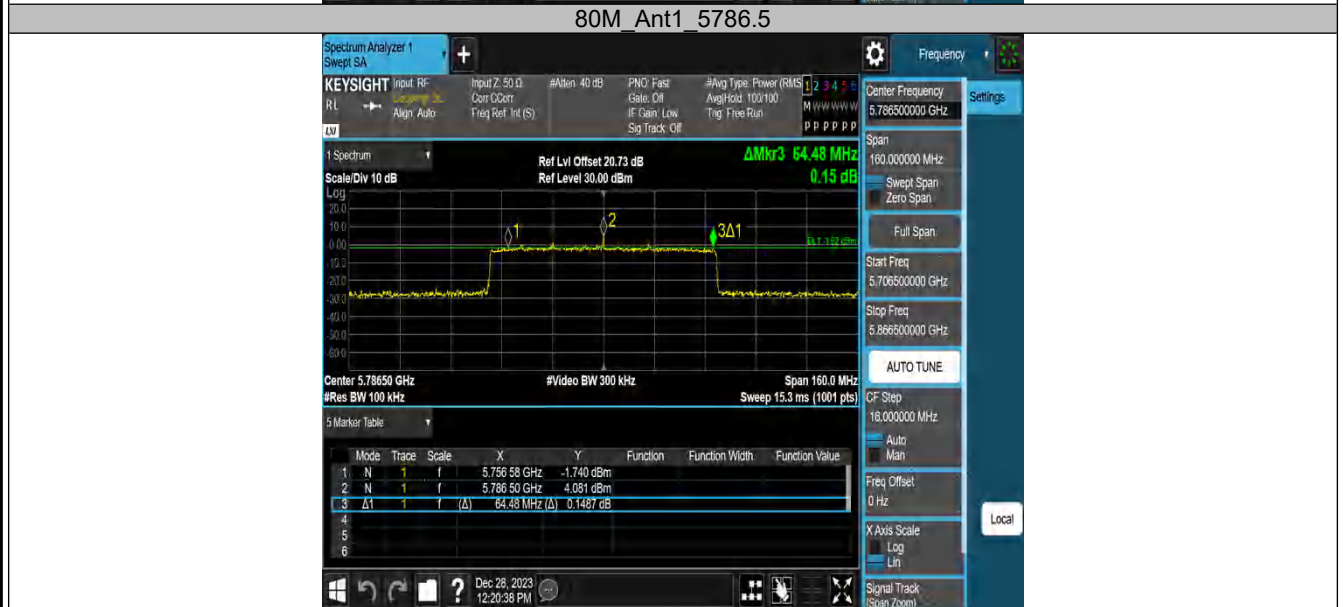
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
60M	Ant1	5755.5	53.760	5728.620	5782.380	0.5	PASS
		5786.5	52.320	5760.100	5812.420	0.5	PASS
		5819.5	53.640	5792.620	5846.260	0.5	PASS

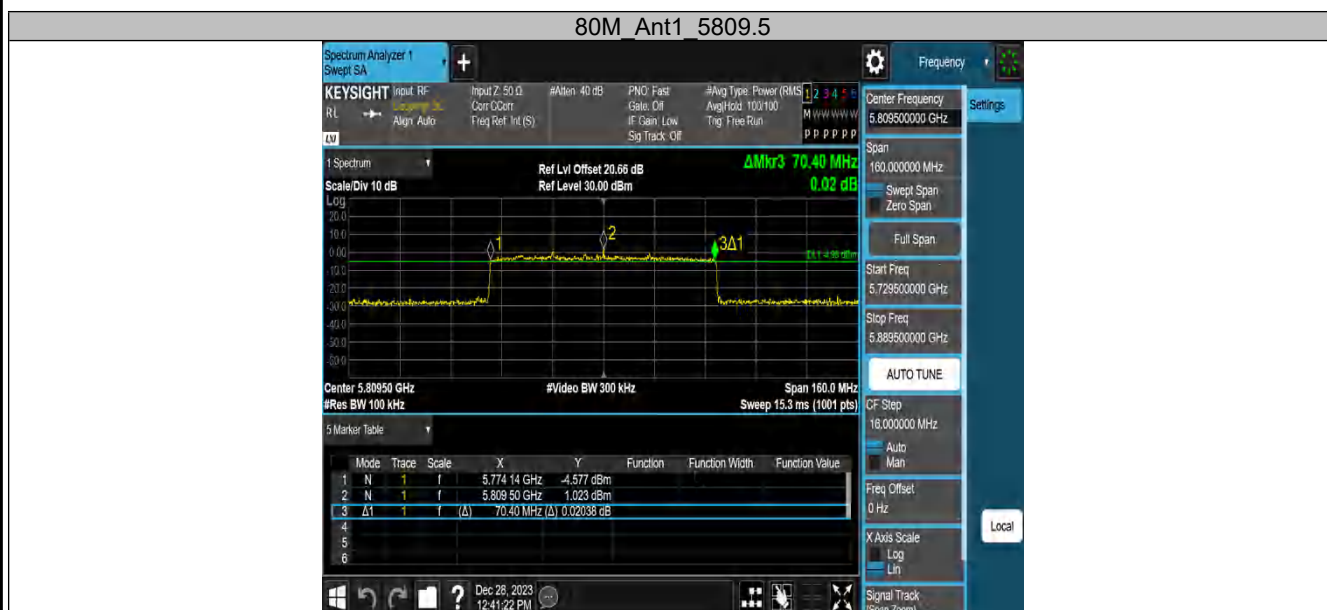




5.8G SDR, 80MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
80M	Ant1	5765.5	70.720	5730.140	5800.860	0.5	PASS
		5786.5	64.480	5756.580	5821.060	0.5	PASS
		5809.5	70.400	5774.140	5844.540	0.5	PASS





Appendix A.4: Test Results of 99% Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT2+1) was presented in this report.

5.8G SDR, 1.4MHz BW

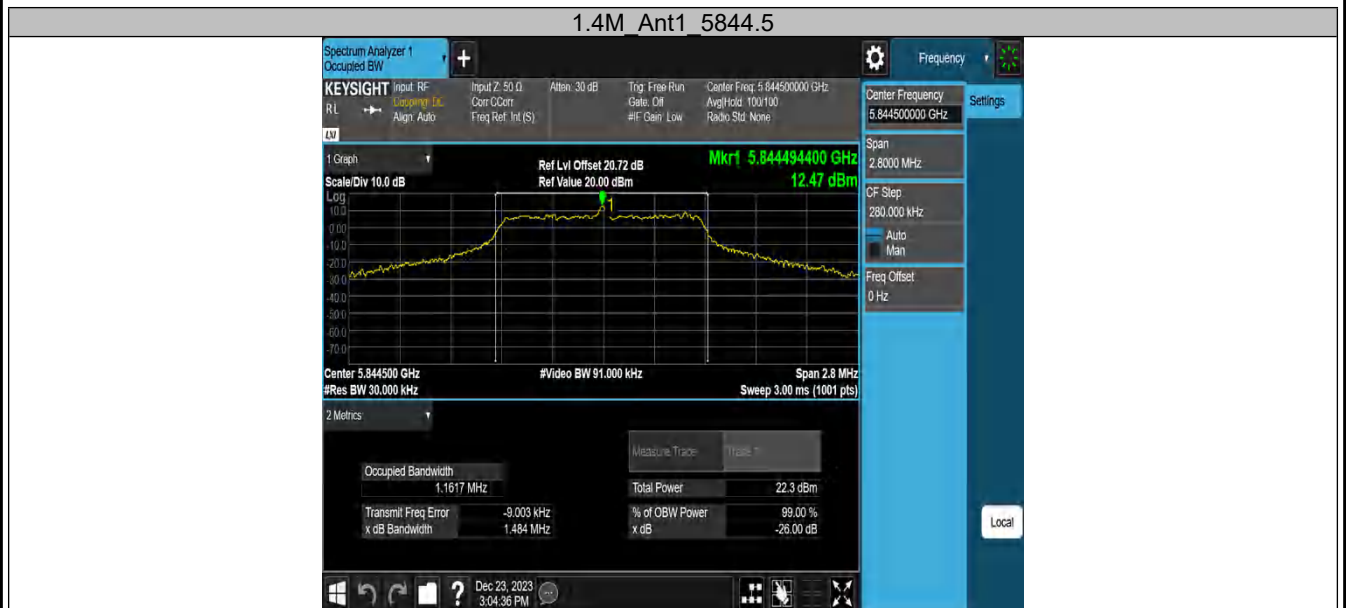
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M	Ant1	5728.5	1.1646	5727.9110	5729.0756	---	PASS
		5786.5	1.2116	5785.9223	5787.1339	---	PASS
		5844.5	1.1617	5843.9102	5845.0719	---	PASS

1.4M Ant1 5728.5



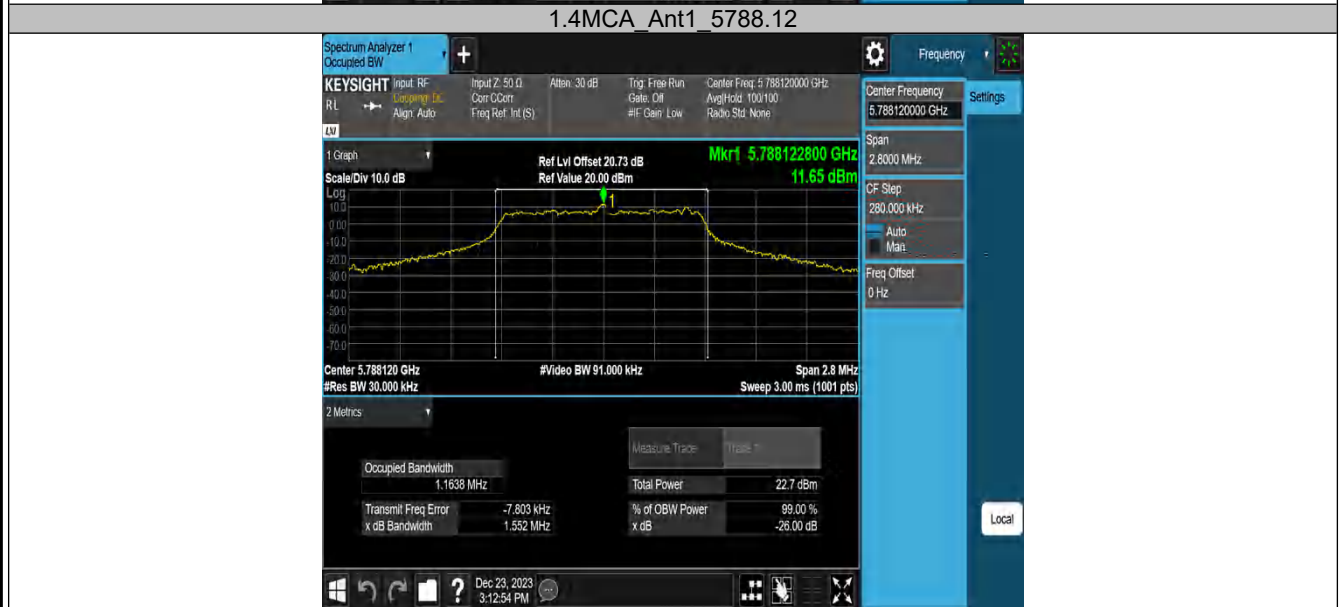
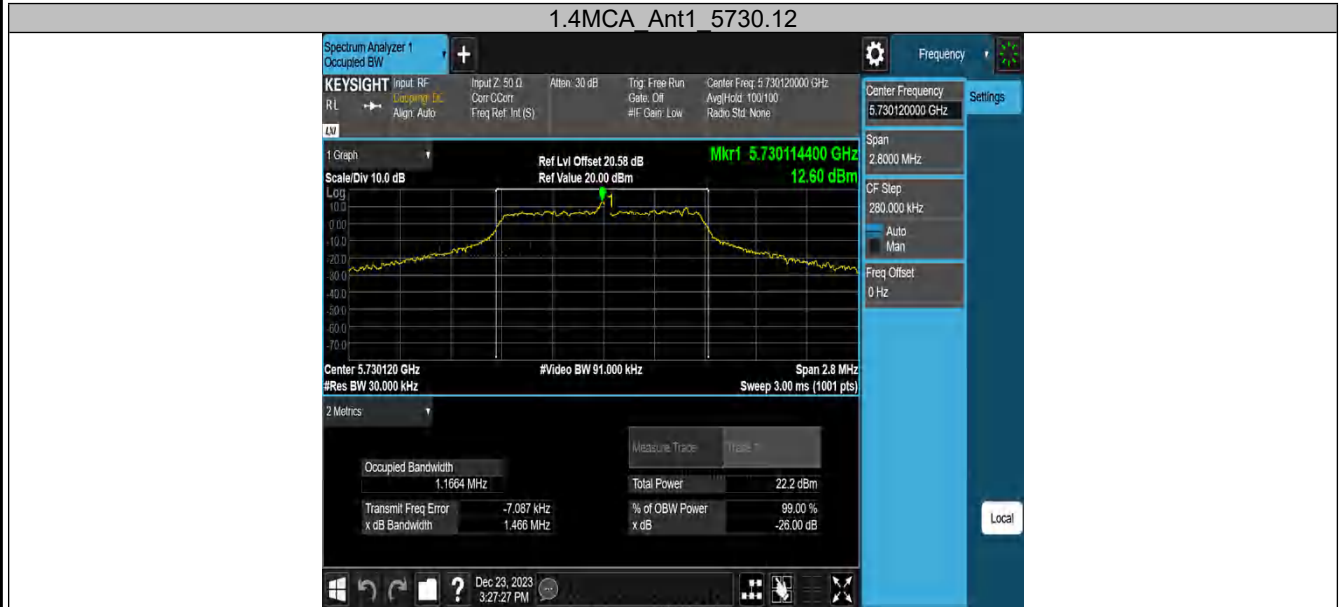
1.4M Ant1 5786.5

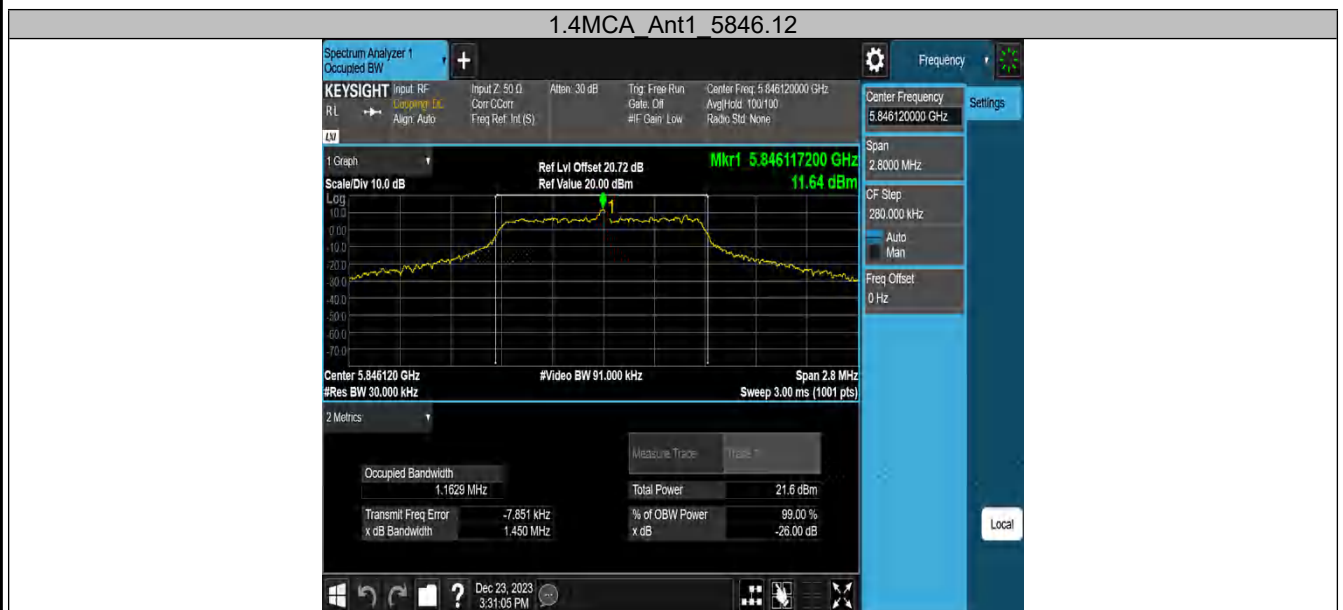




5.8G SDR, 1.4MHz BW CA mode

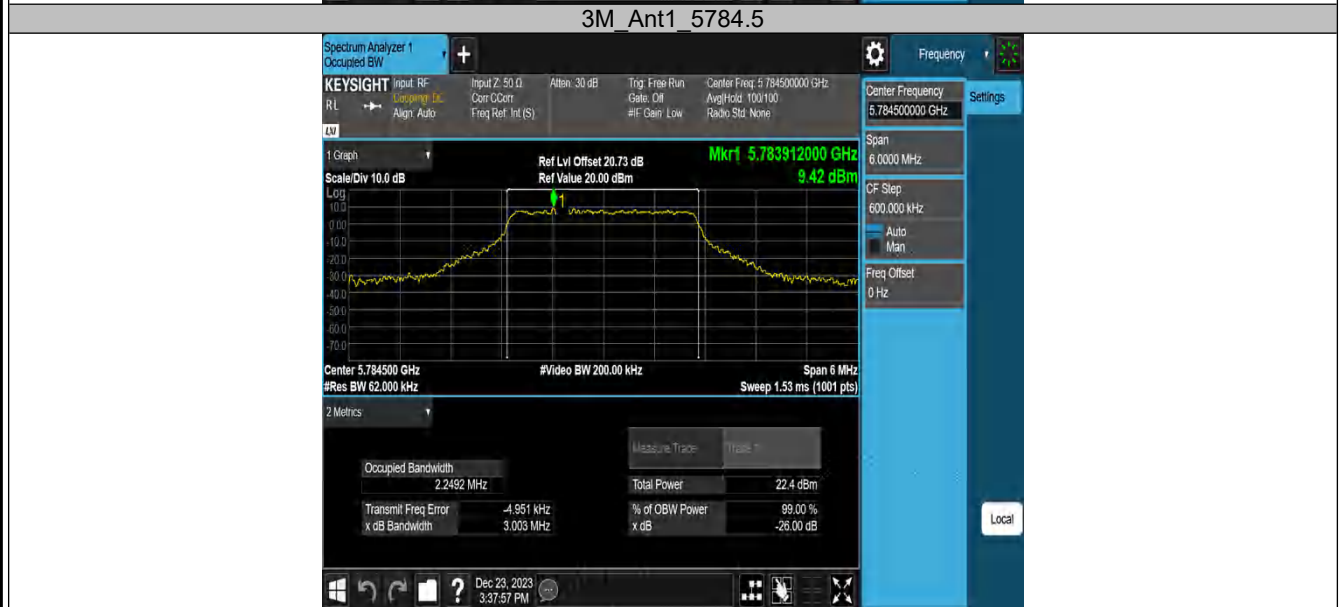
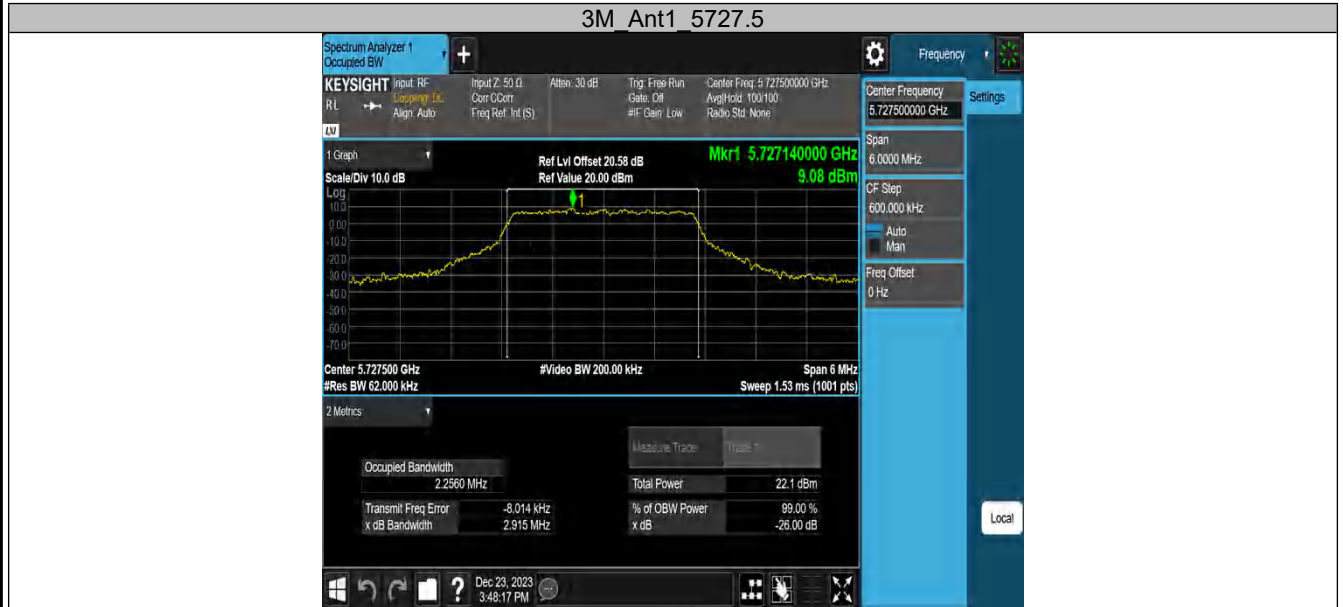
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4MCA	Ant1	5730.12	1.1664	5729.5297	5730.6961	---	PASS
		5788.12	1.1638	5787.5303	5788.6941	---	PASS
		5846.12	1.1629	5845.5307	5846.6936	---	PASS





5.8G SDR, 3MHz BW

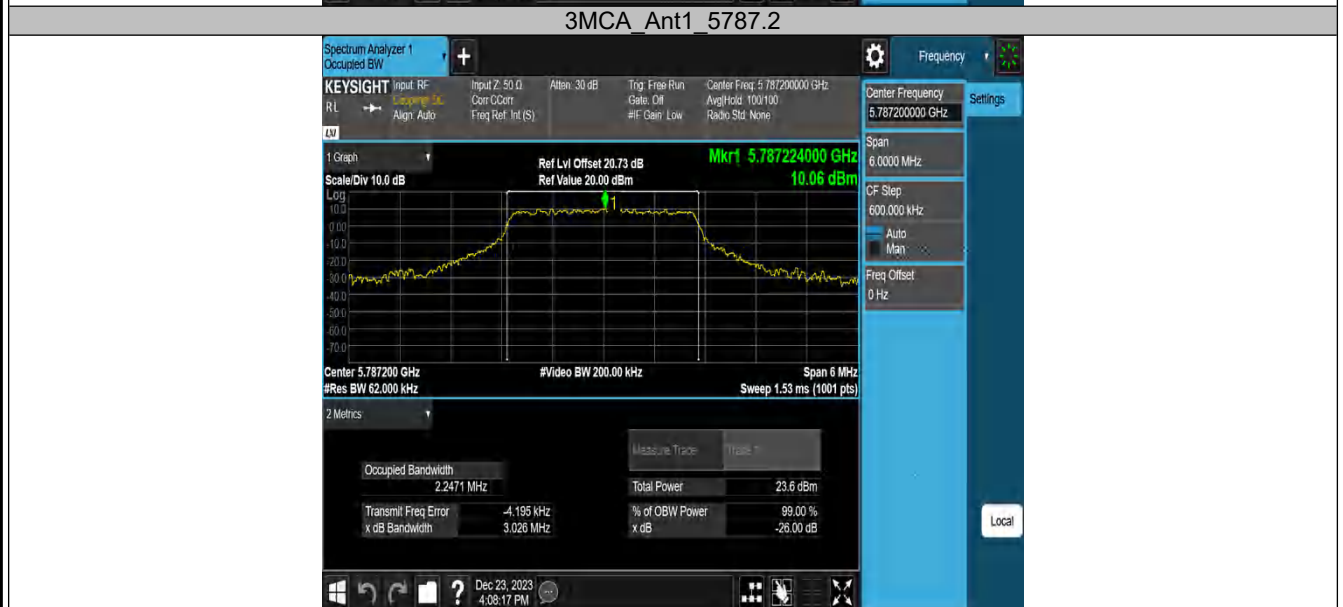
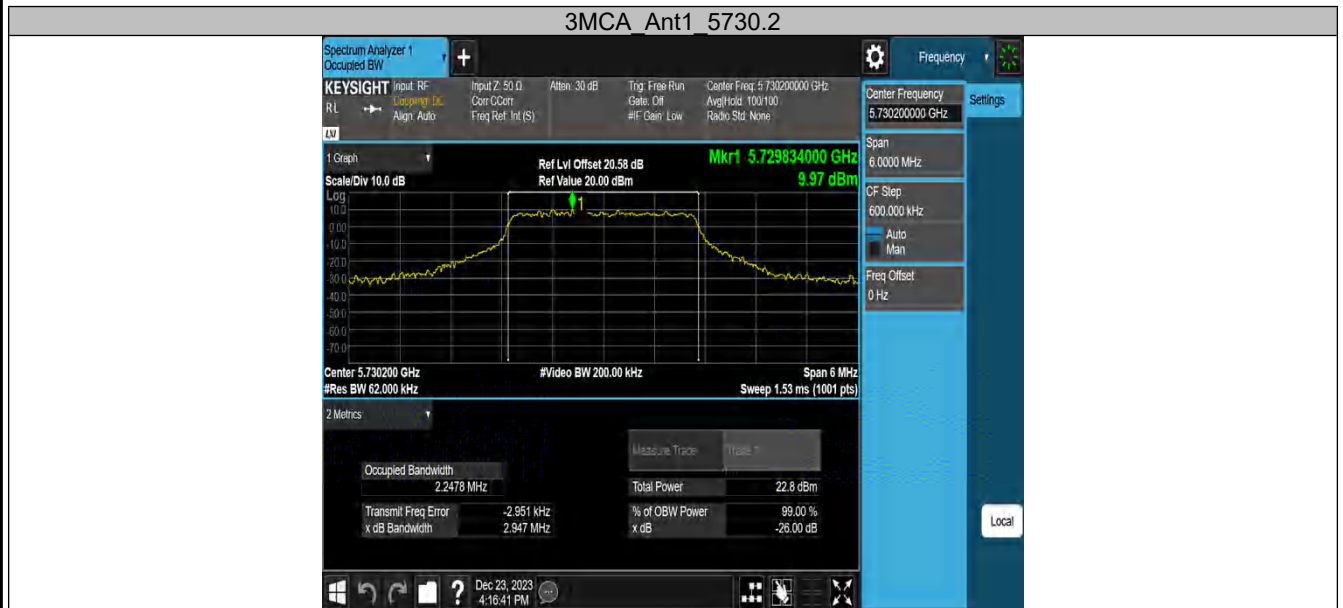
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	Ant1	5727.5	2.2560	5726.3640	5728.6200	---	PASS
		5784.5	2.2492	5783.3705	5785.6197	---	PASS
		5844.5	2.2432	5843.3736	5845.6168	---	PASS





5.8G SDR, 3MHz BW CA mode

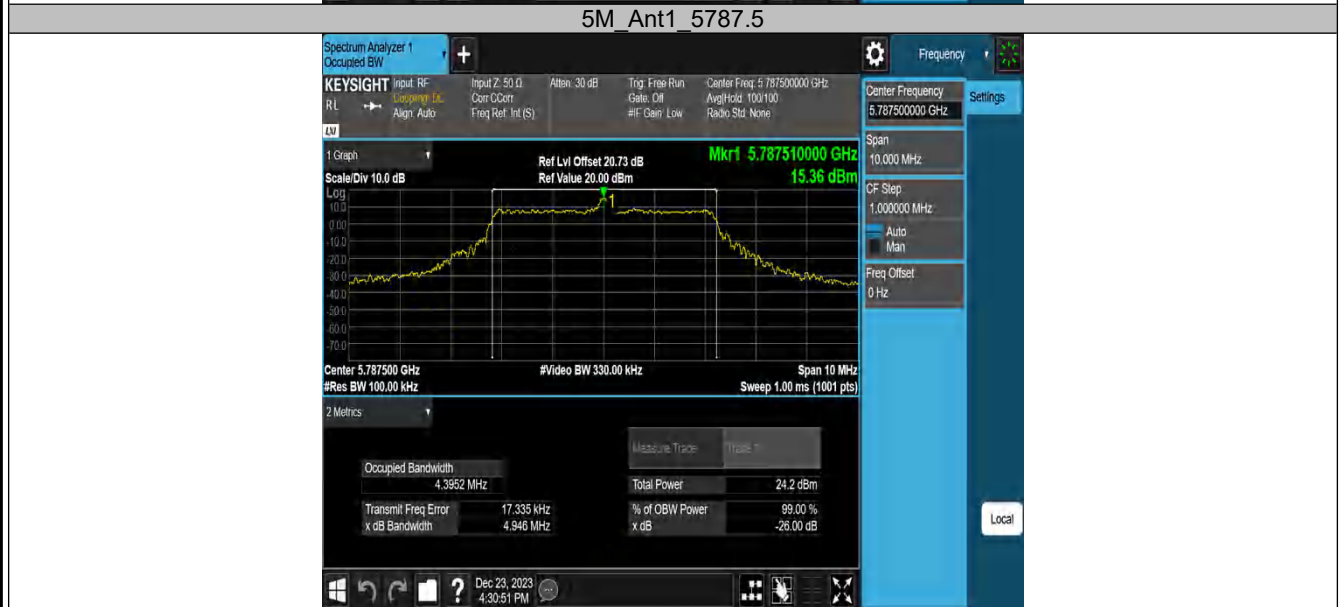
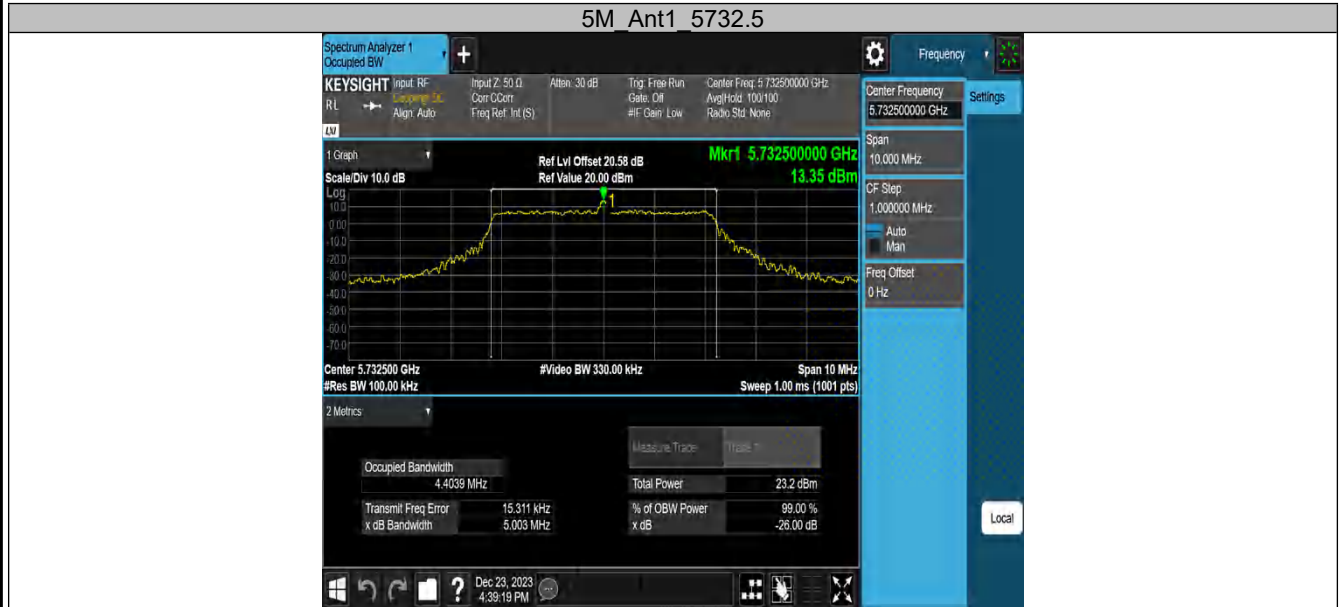
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3MCA	Ant1	5730.2	2.2478	5729.0732	5731.3210	---	PASS
		5787.2	2.2471	5786.0723	5788.3194	---	PASS
		5847.2	2.2479	5846.0732	5848.3211	---	PASS

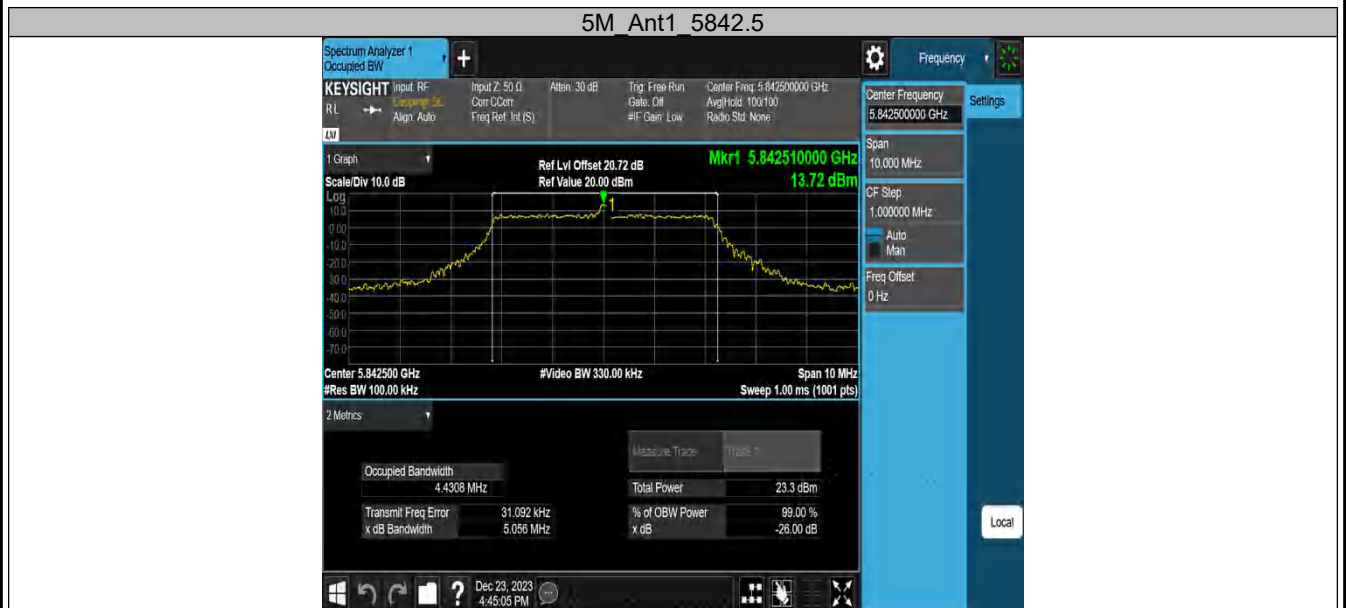




5.8G SDR, 5MHz BW

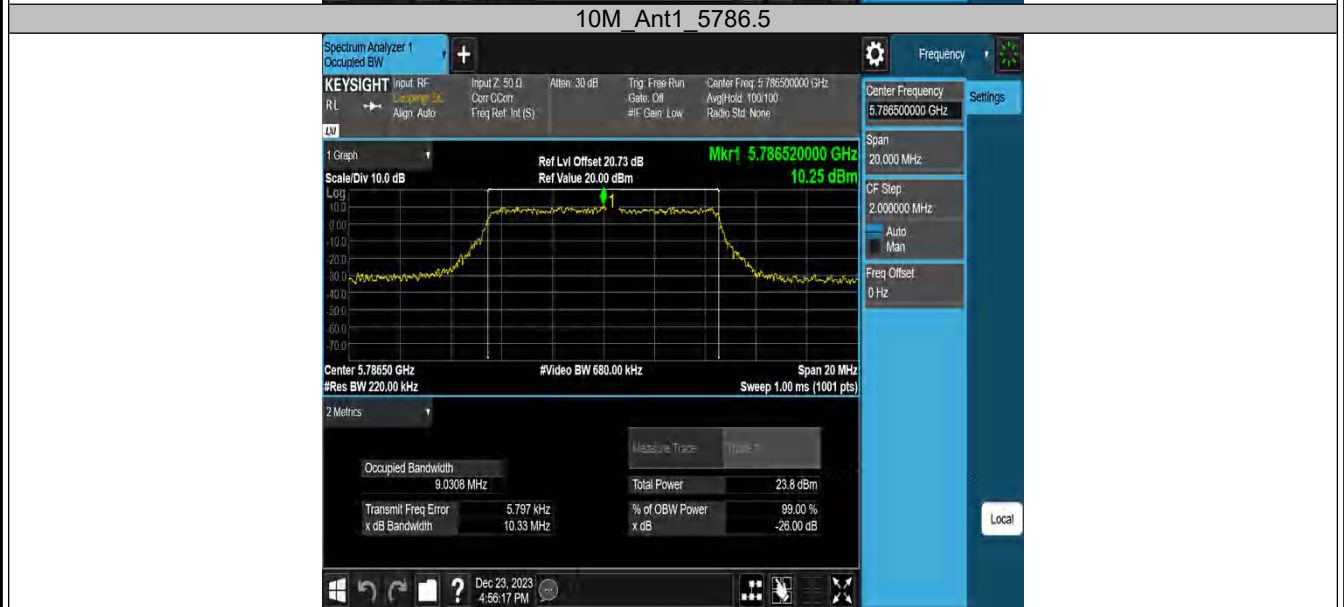
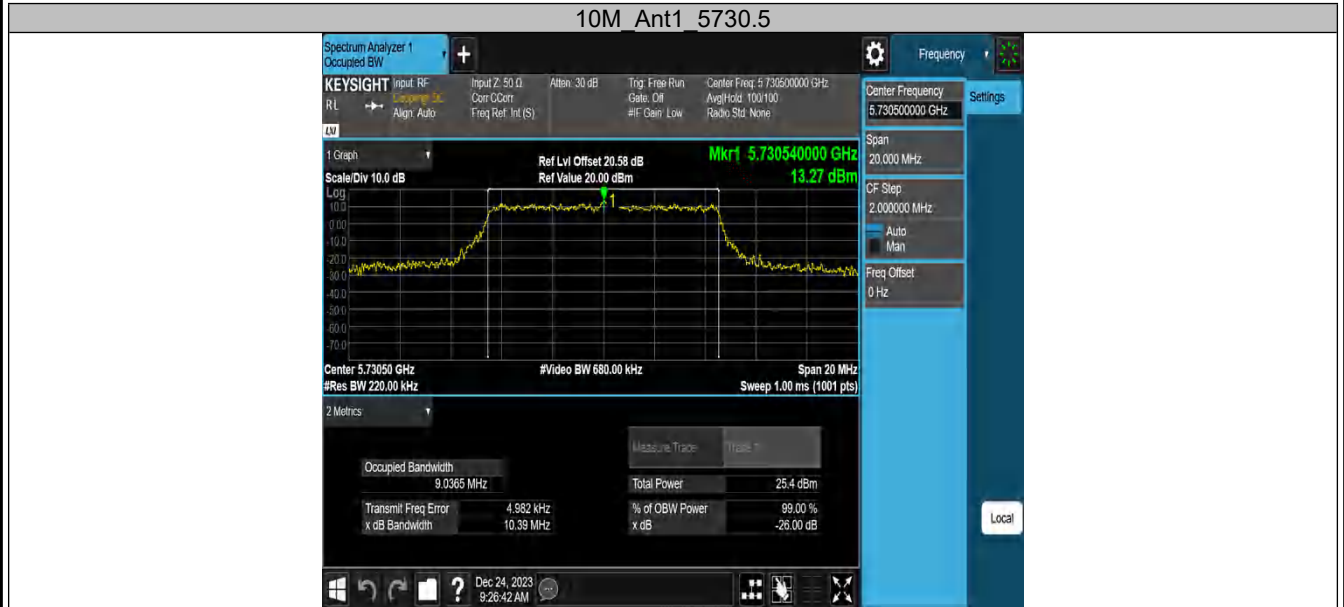
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5M	Ant1	5732.5	4.4039	5730.3134	5734.7173	---	PASS
		5787.5	4.3952	5785.3197	5789.7149	---	PASS
		5842.5	4.4308	5840.3157	5844.7465	---	PASS

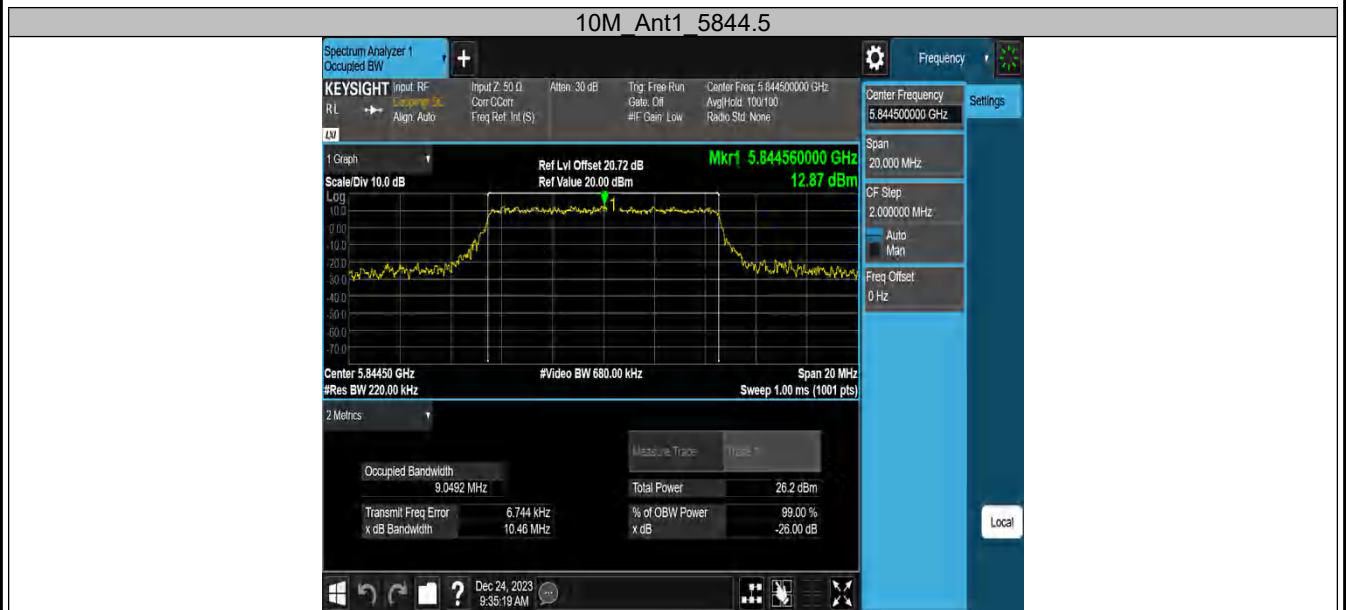




5.8G SDR, 10MHz BW

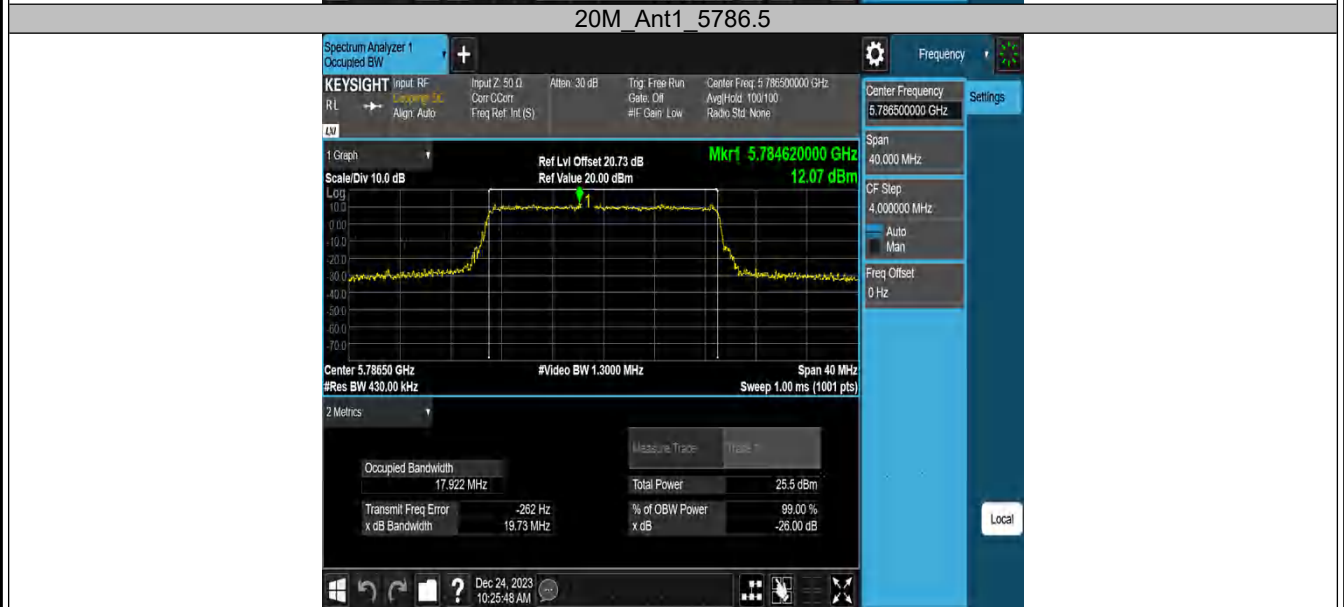
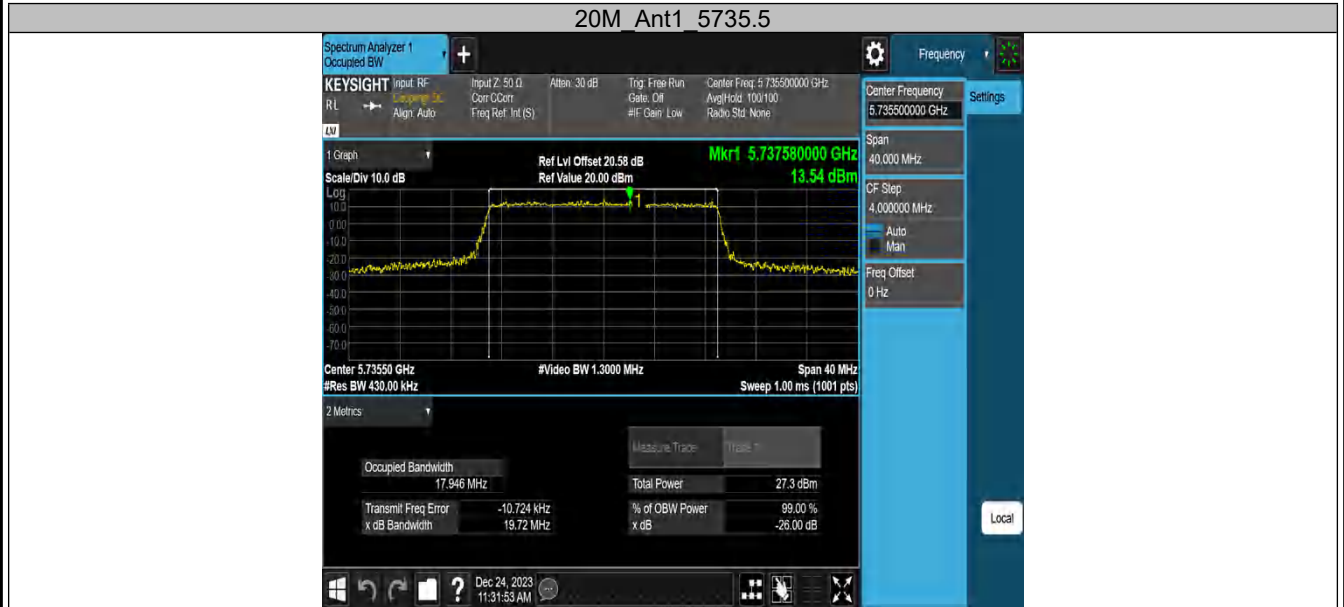
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5730.5	9.0365	5725.9867	5735.0232	---	PASS
		5786.5	9.0308	5781.9904	5791.0212	---	PASS
		5844.5	9.0492	5839.9821	5849.0313	---	PASS

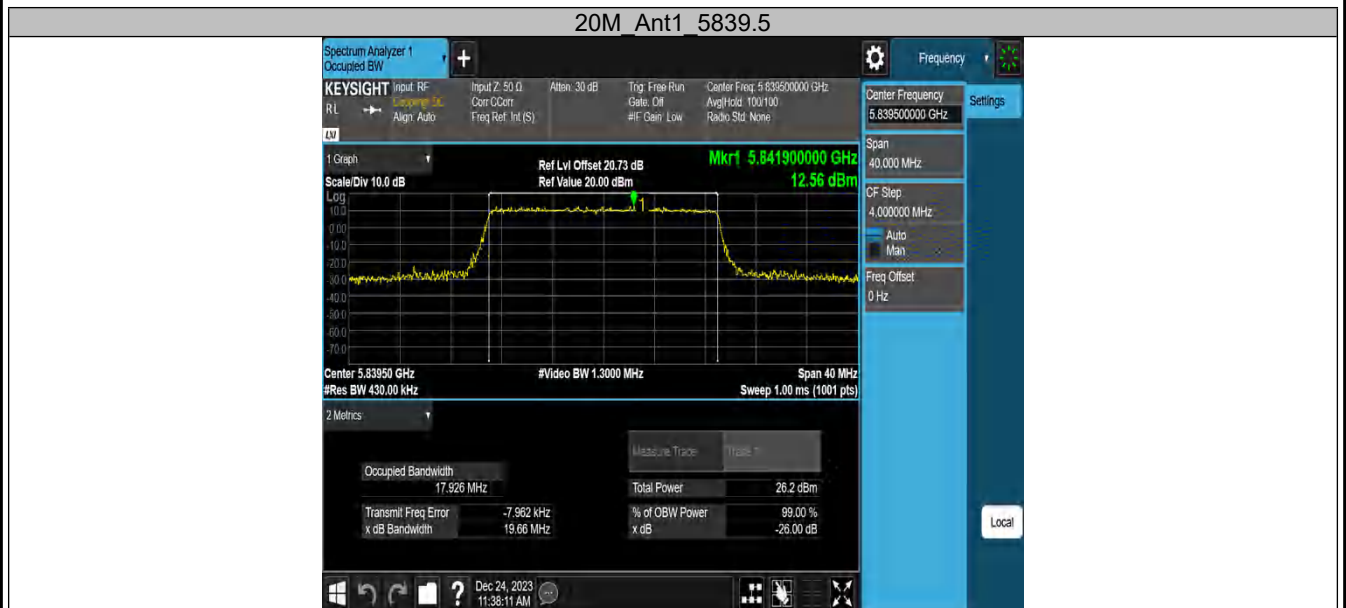




5.8G SDR, 20MHz BW

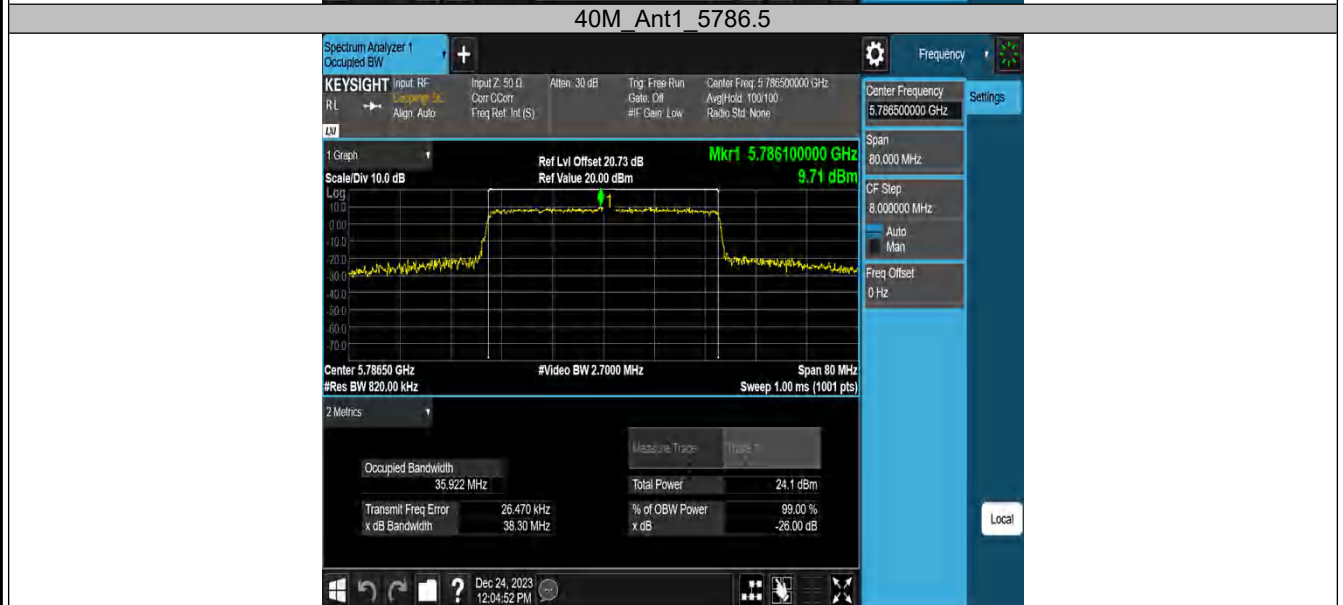
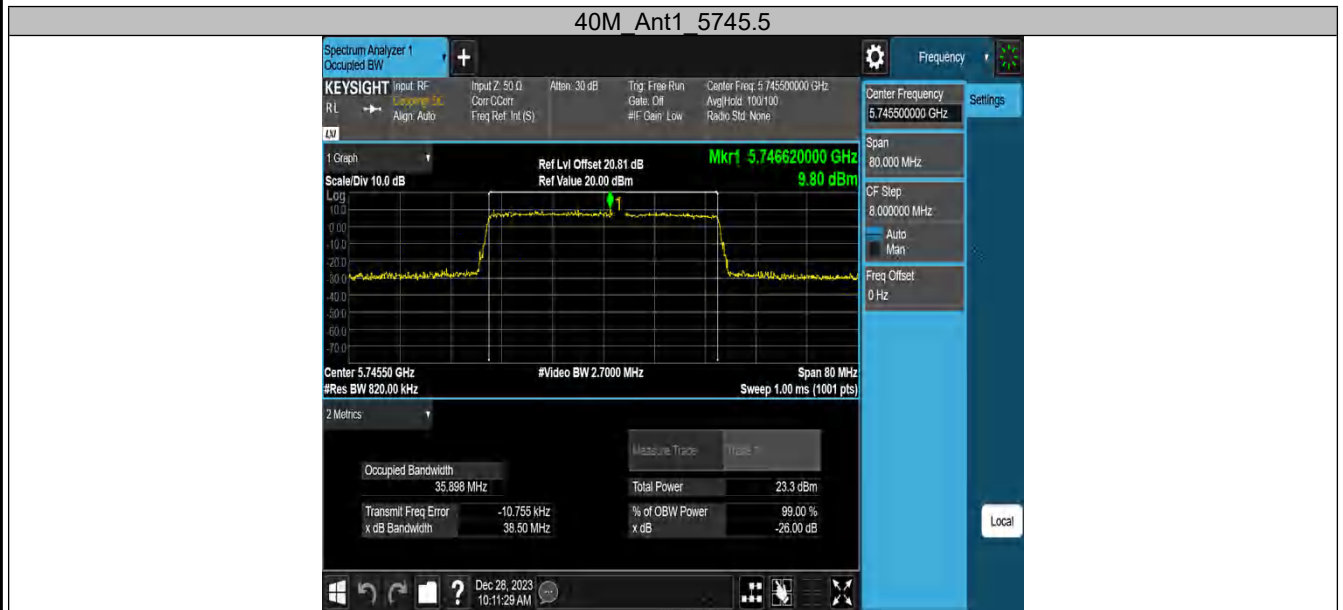
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5735.5	17.946	5726.5163	5744.4623	---	PASS
		5786.5	17.922	5777.5387	5795.4607	---	PASS
		5839.5	17.926	5830.5290	5848.4550	---	PASS





5.8G SDR, 40MHz BW

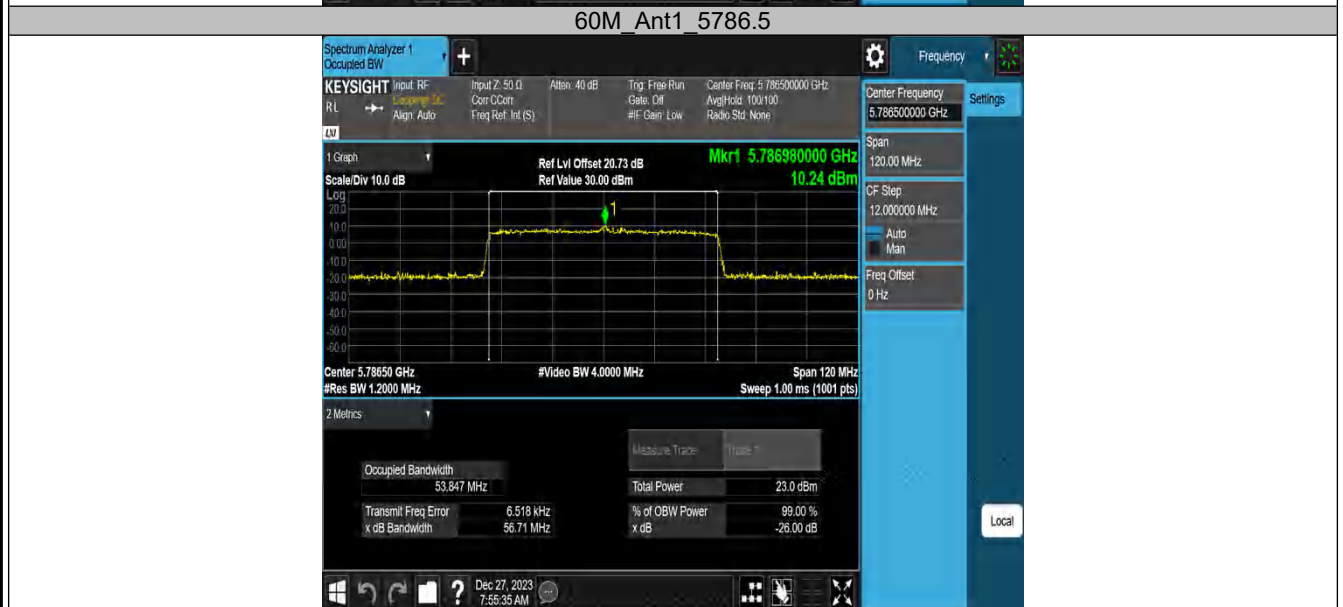
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40M	Ant1	5745.5	35.898	5727.5402	5763.4382	---	PASS
		5786.5	35.922	5768.5655	5804.4875	---	PASS
		5829.5	35.833	5811.6282	5847.4612	---	PASS

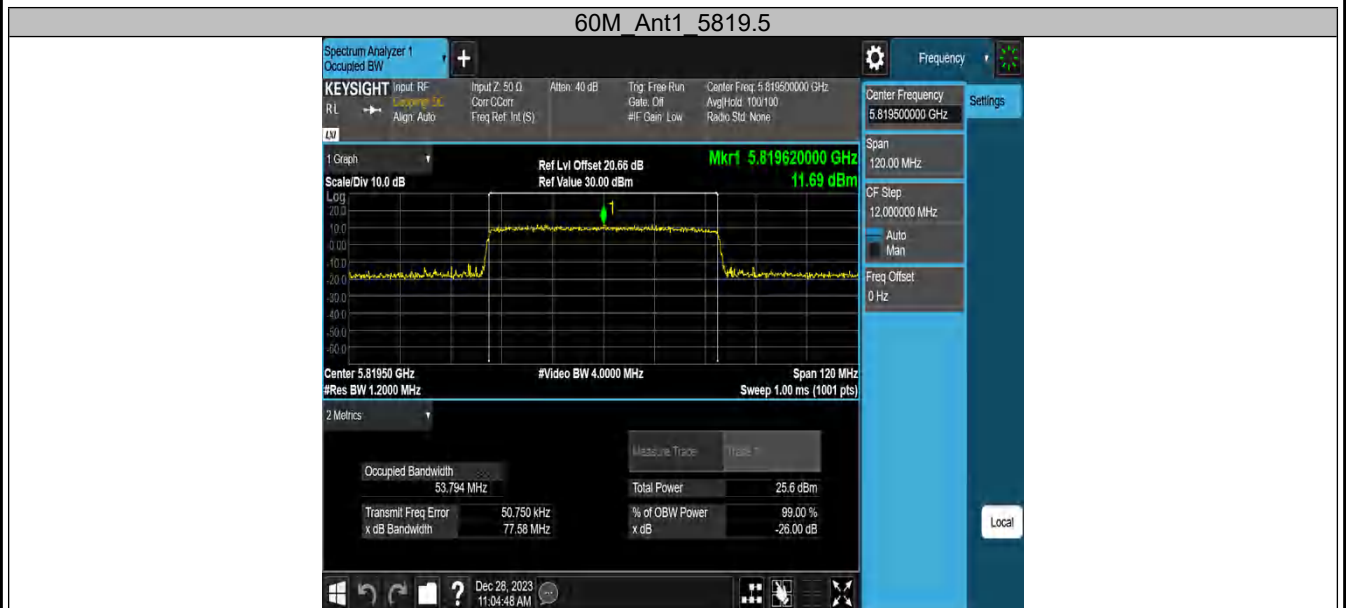




5.8G SDR, 60MHz BW

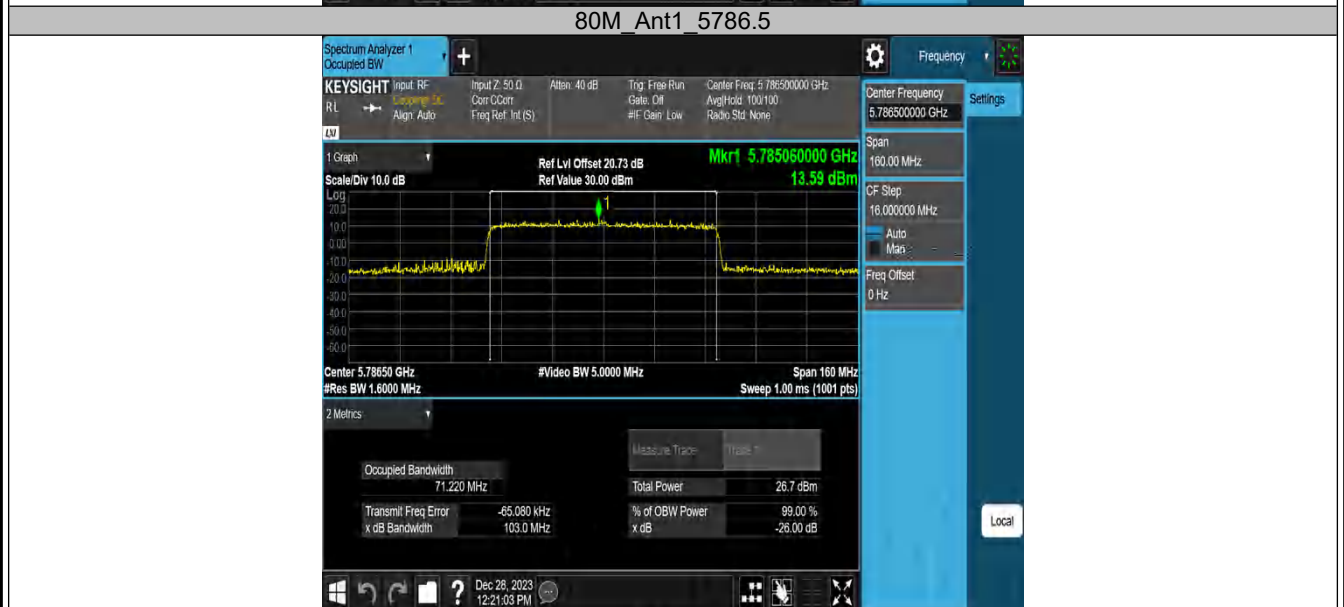
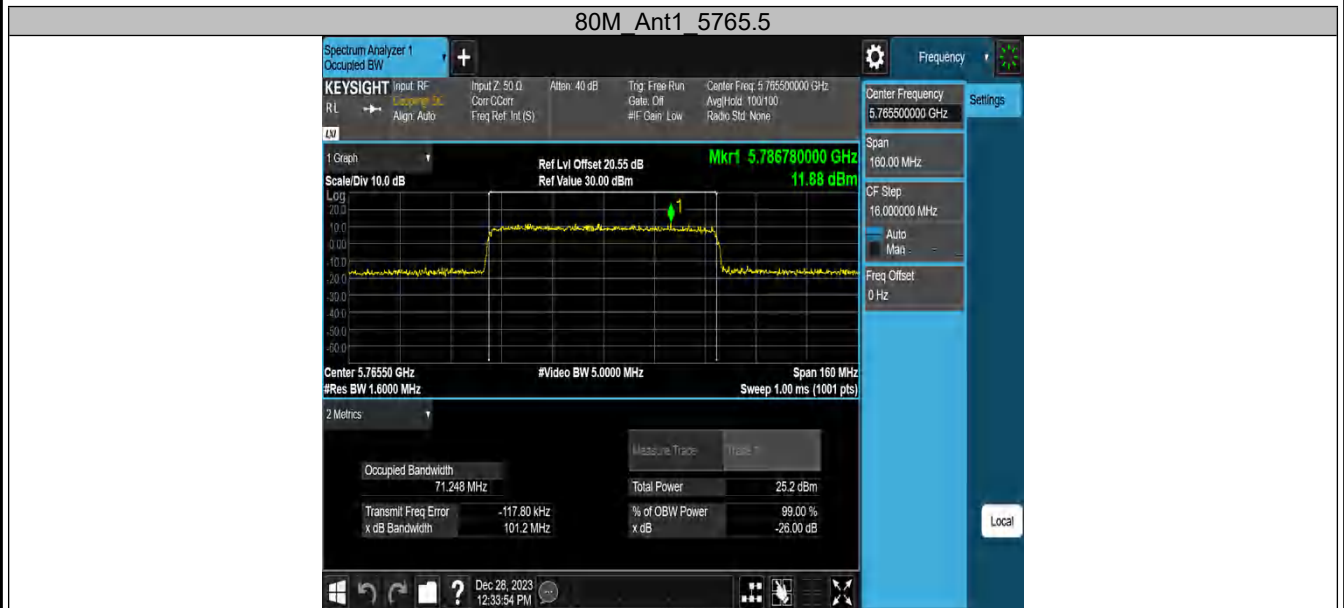
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
60M	Ant1	5755.5	54.168	5728.3186	5782.4866	---	PASS
		5786.5	53.847	5759.5830	5813.4300	---	PASS
		5819.5	53.794	5792.6538	5846.4478	---	PASS

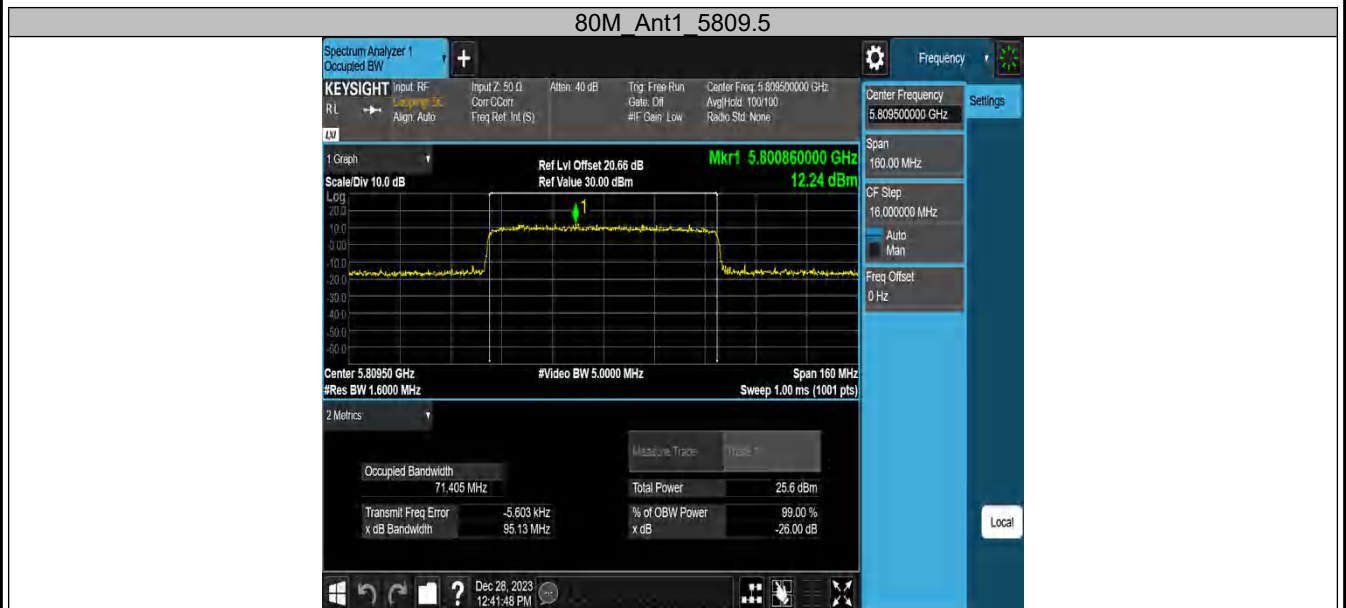




5.8G SDR, 80MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
80M	Ant1	5765.5	71.248	5729.7582	5801.0062	---	PASS
		5786.5	71.220	5750.8249	5822.0449	---	PASS
		5809.5	71.405	5773.7919	5845.1969	---	PASS





Appendix A.5: Test Results of Radiated Spurious Emissions

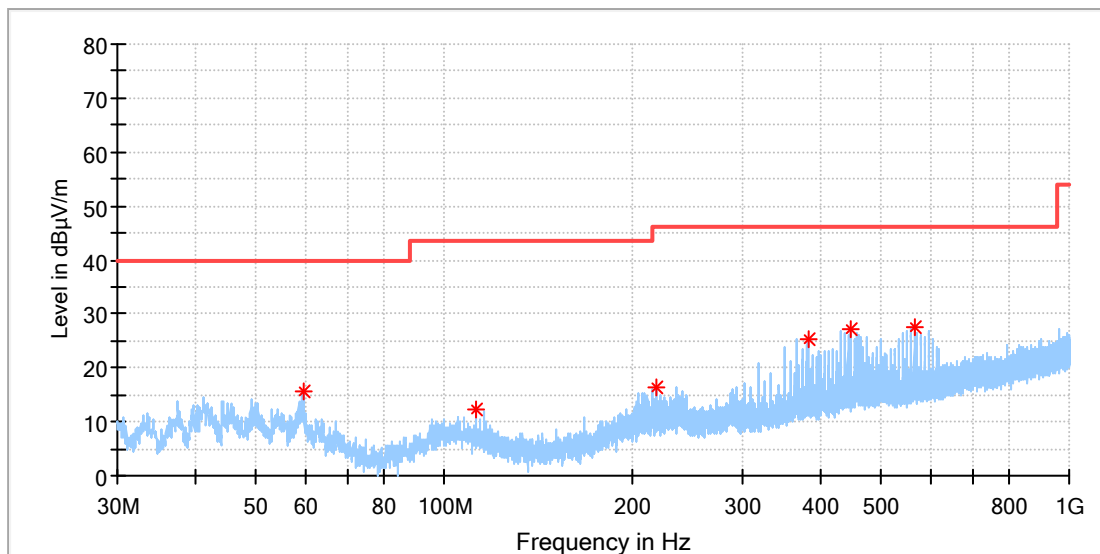
Note:

- 1) This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT2+1) was presented in this report.
- 2) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 3) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.8G_1.4M_5786.5MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

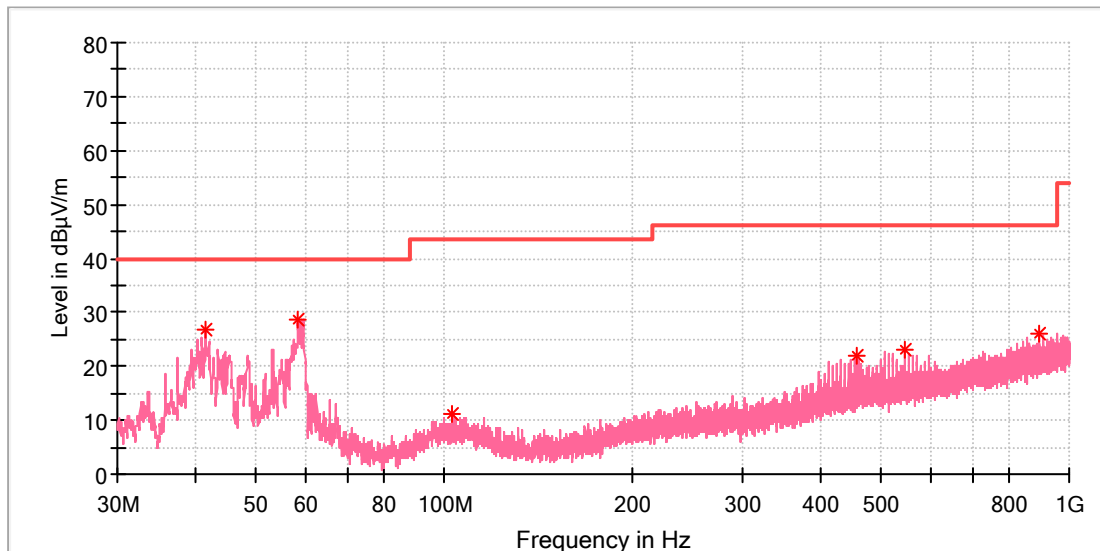


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.398462	15.75	40.00	24.25	100.0	H	161.0	-19.2
112.524615	12.15	43.50	31.35	100.0	H	0.0	-19.7
218.030769	16.53	46.00	29.47	100.0	H	168.0	-19.0
381.625000	25.38	46.00	20.62	100.0	H	201.0	-14.5
448.517692	27.23	46.00	18.77	100.0	H	353.0	-13.3
564.432692	27.65	46.00	18.35	100.0	H	177.0	-10.9

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5786.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

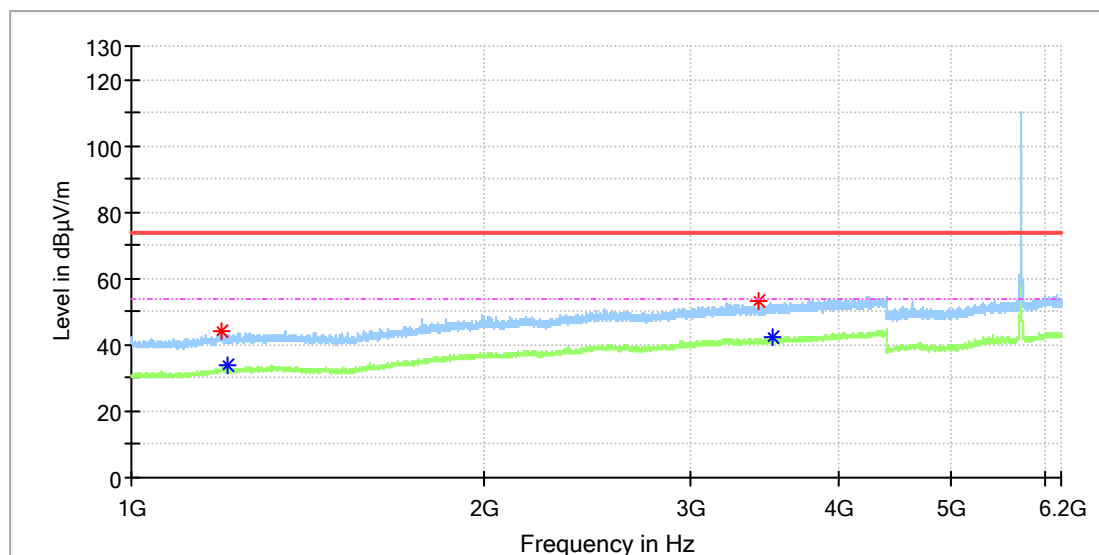
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.490769	26.73	40.00	13.27	100.0	V	204.0	-20.0
58.428462	28.57	40.00	11.43	100.0	V	311.0	-19.1
103.123077	11.30	43.50	32.20	100.0	V	197.0	-19.2
457.732692	21.95	46.00	24.05	100.0	V	51.0	-13.1
547.756154	22.94	46.00	23.06	100.0	V	67.0	-11.3
896.508462	26.10	46.00	19.90	100.0	V	0.0	-5.4

1GHz - 18GHz

Note: The highest waveform in the figure is 5.8G SDR Fundamental.

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

**Critical_Freqs**

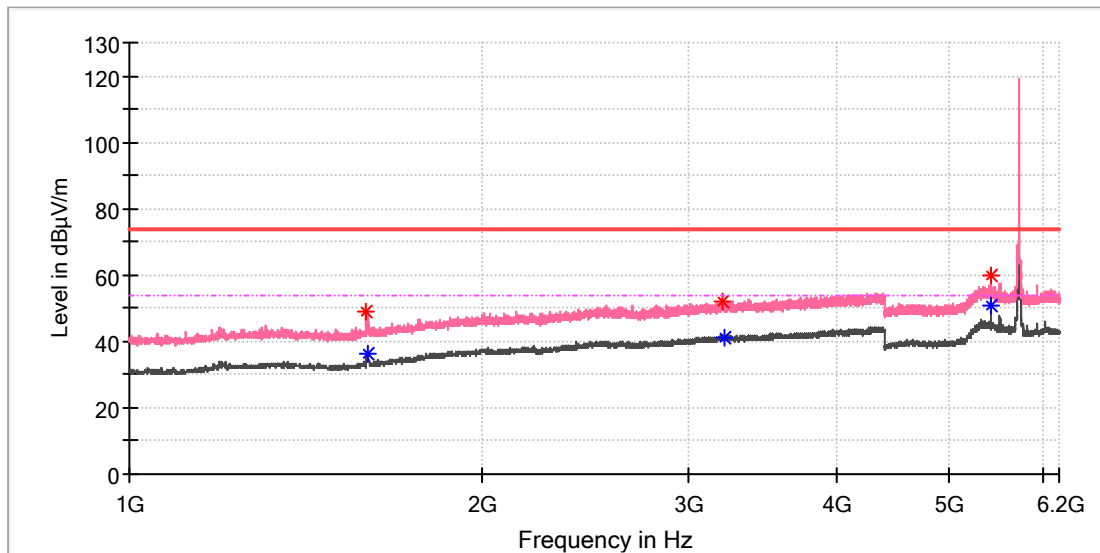
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.500000	43.99	---	74.00	30.01	150.0	H	137.0	1.1
1208.500000	---	34.01	54.00	19.99	150.0	H	165.0	1.3
3428.000000	53.34	---	74.00	20.66	150.0	H	227.0	8.8
3515.500000	---	42.08	54.00	11.92	150.0	H	357.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

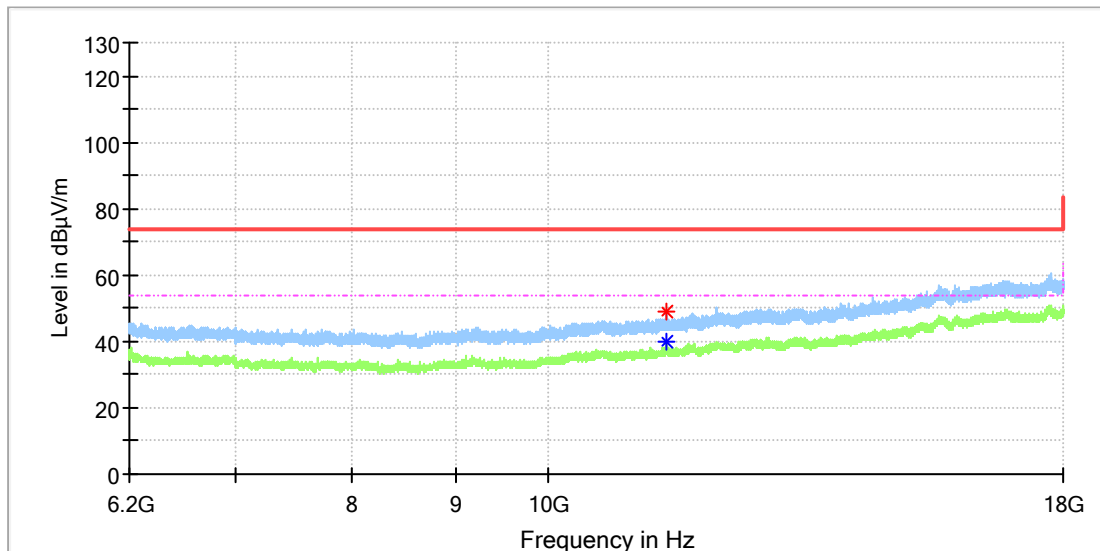
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.000000	48.89	---	74.00	25.11	150.0	V	297.0	2.0
1598.500000	---	36.05	54.00	17.95	150.0	V	282.0	2.1
3200.500000	51.79	---	74.00	22.21	150.0	V	343.0	8.6
3213.000000	---	41.38	54.00	12.62	150.0	V	51.0	8.6
5416.000000	59.92	---	74.00	14.08	150.0	V	138.0	13.5
5416.500000	---	50.61	54.00	3.39	150.0	V	138.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

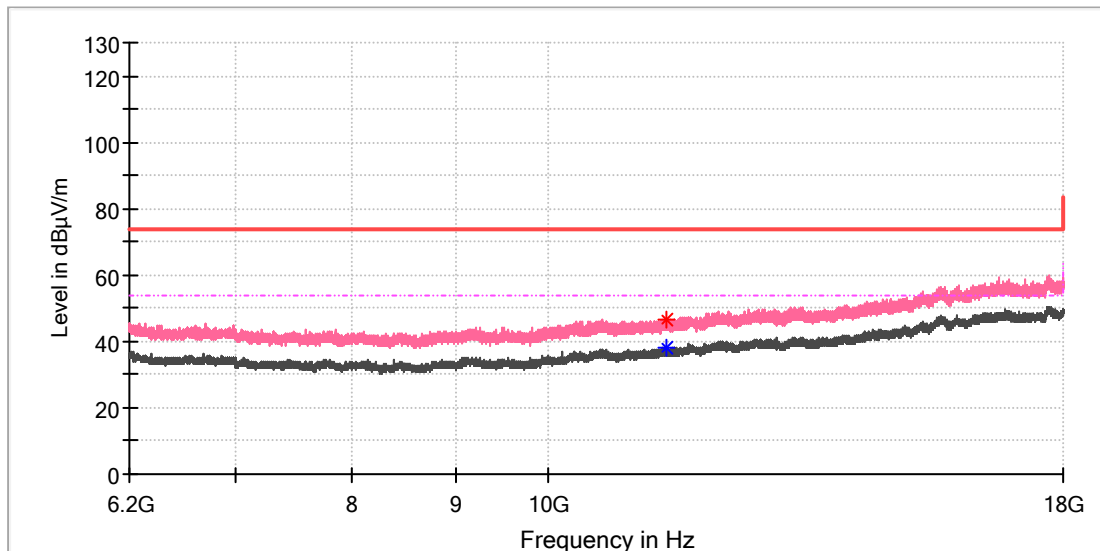
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11456.900000	49.26	---	74.00	24.74	150.0	H	19.0	13.4
11456.900000	---	40.16	54.00	13.84	150.0	H	19.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

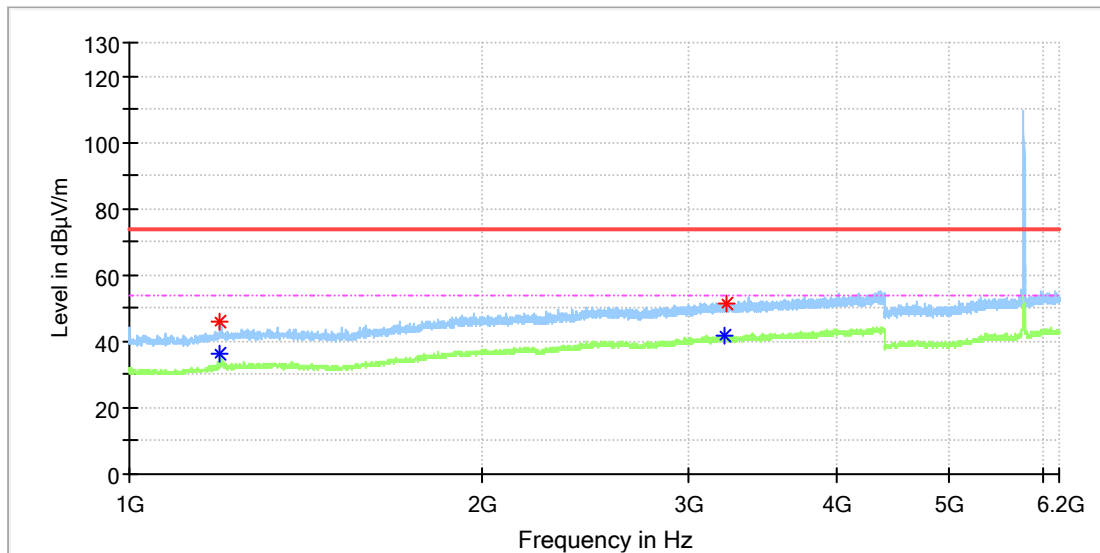
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11436.250000	---	38.17	54.00	15.83	150.0	V	176.0	13.2
11454.933333	46.71	---	74.00	27.29	150.0	V	14.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5786.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

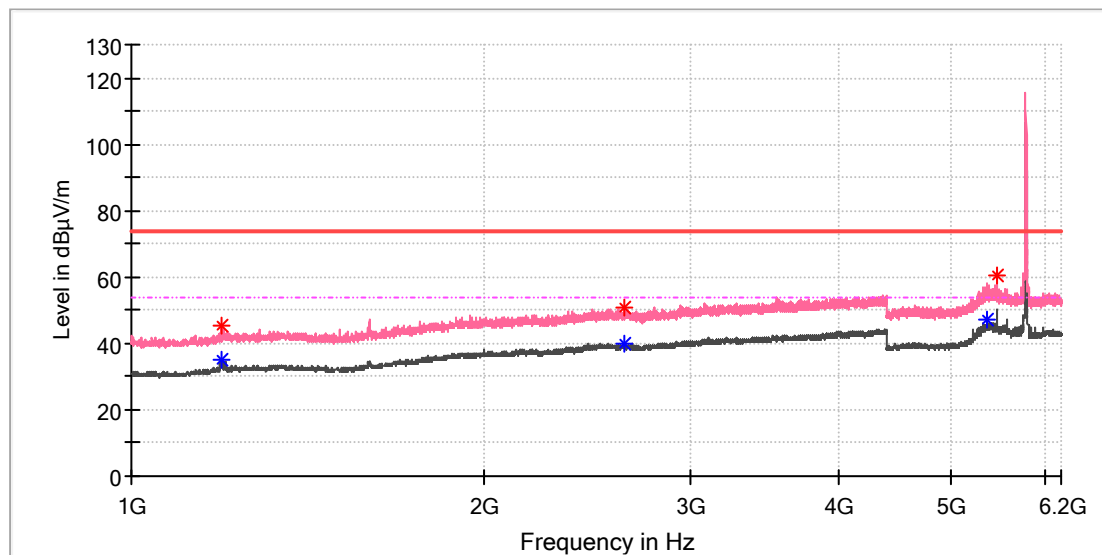
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.000000	45.95	---	74.00	28.05	150.0	H	170.0	1.1
1195.000000	---	36.11	54.00	17.89	150.0	H	170.0	1.1
3219.500000	---	41.42	54.00	12.58	150.0	H	260.0	8.6
3232.000000	51.64	---	74.00	22.36	150.0	H	323.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
 Model: QF3W4K
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168438670/A003598699-013
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

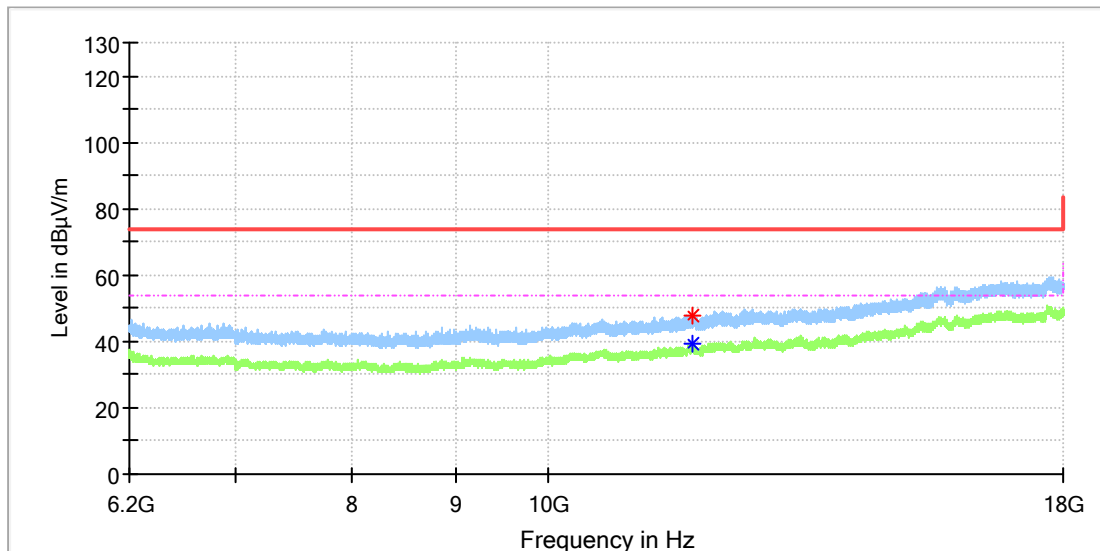
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1193.000000	45.13	---	74.00	28.87	150.0	V	349.0	1.1
1194.500000	---	34.97	54.00	19.03	150.0	V	349.0	1.1
2632.000000	---	40.04	54.00	13.96	150.0	V	160.0	7.5
2633.000000	51.03	---	74.00	22.97	150.0	V	278.0	7.5
5370.500000	---	47.13	54.00	6.87	150.0	V	328.0	13.3
5474.500000	60.16	---	68.20	8.04	150.0	V	139.0	13.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5786.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

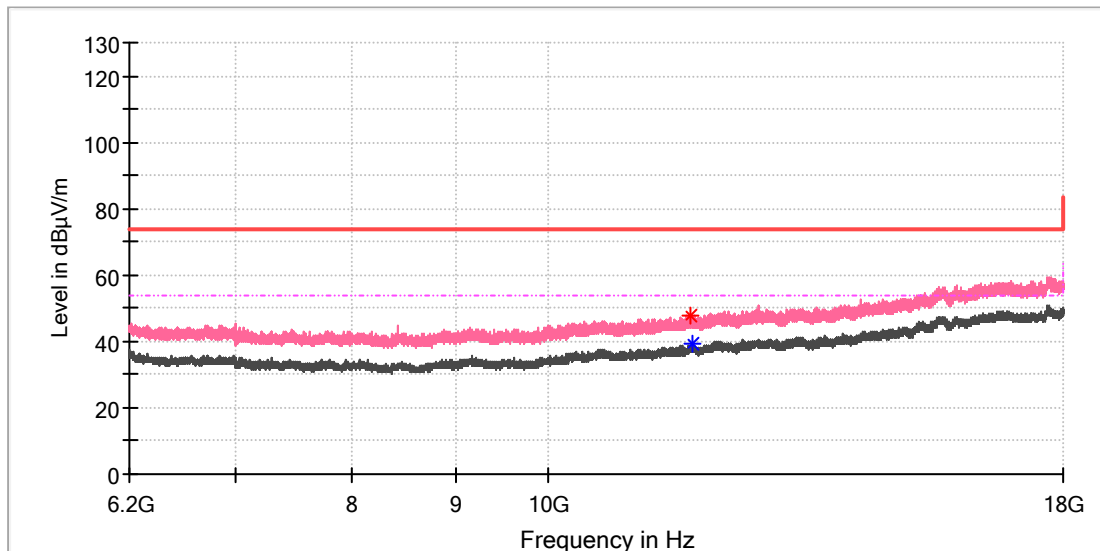
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11780.908333	---	39.39	54.00	14.61	150.0	H	357.0	13.4
11796.150000	47.94	---	74.00	26.06	150.0	H	288.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5786.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

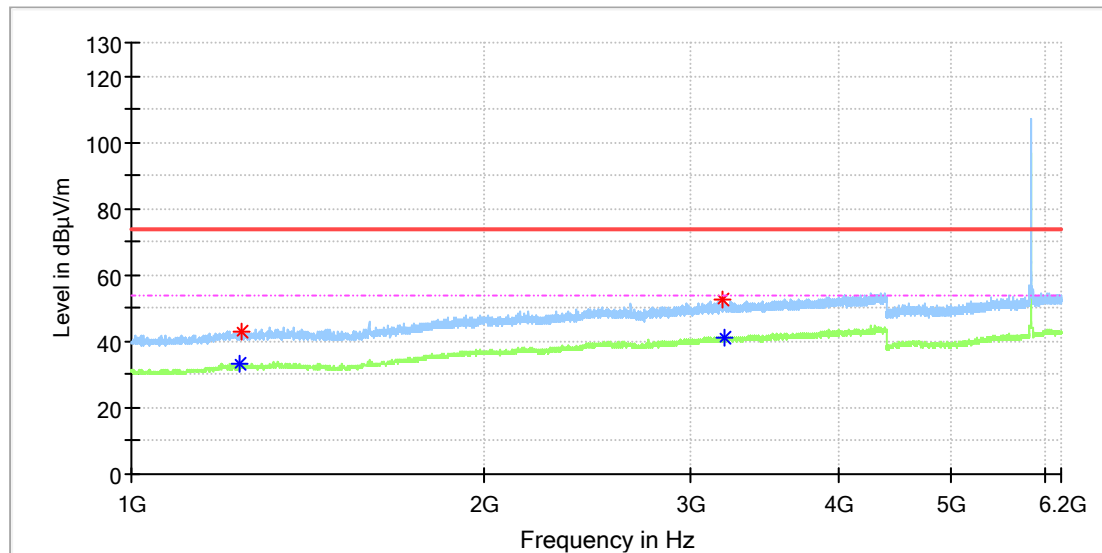
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11762.716667	47.62	---	74.00	26.38	150.0	V	202.0	13.4
11789.758333	---	39.23	54.00	14.77	150.0	V	27.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
 Model: QF3W4K
 Test Mode: SDR 5.8G_1.4M_5844.5MHz
 Order No/Sample No: 168438670/A003598699-013
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

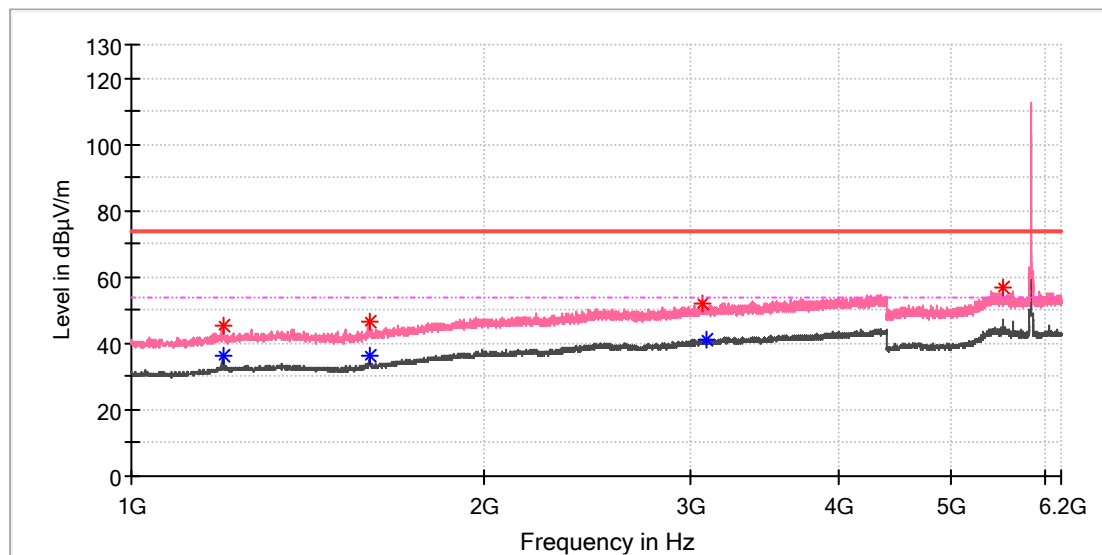
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1234.500000	---	33.06	54.00	20.94	150.0	H	311.0	1.7
1241.500000	42.99	---	74.00	31.01	150.0	H	154.0	1.8
3193.000000	52.73	---	74.00	21.27	150.0	H	330.0	8.6
3205.000000	---	41.36	54.00	12.64	150.0	H	306.0	8.6

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
 Model: QF3W4K
 Test Mode: SDR 5.8G_1.4M_5844.5MHz
 Order No/Sample No: 168438670/A003598699-013
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

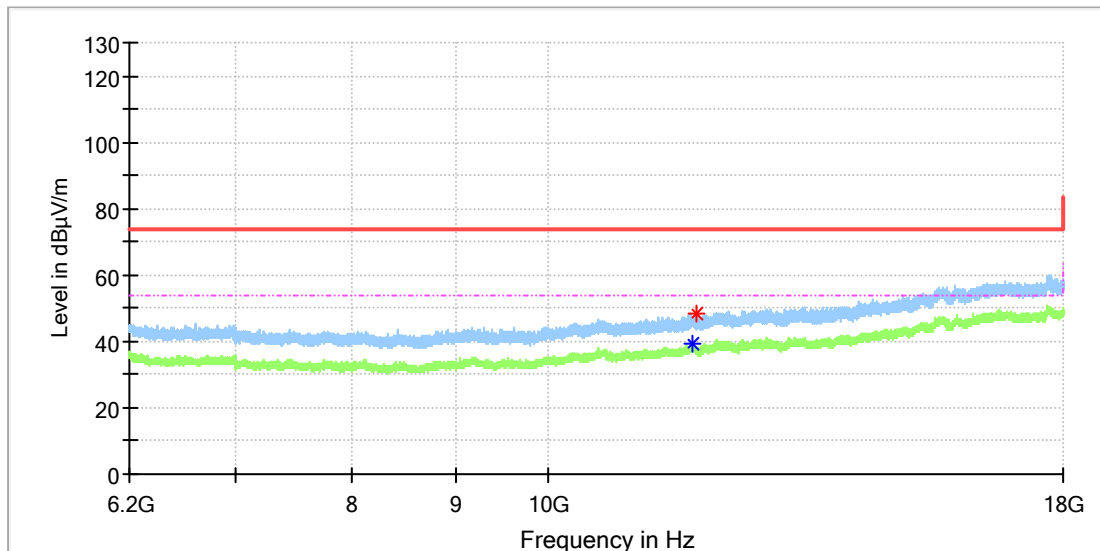
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.000000	45.28	---	74.00	28.72	150.0	V	0.0	1.1
1196.000000	---	36.05	54.00	17.95	150.0	V	0.0	1.1
1594.000000	46.64	---	74.00	27.36	150.0	V	310.0	2.0
1598.000000	---	36.09	54.00	17.91	150.0	V	271.0	2.1
3063.000000	51.85	---	74.00	22.15	150.0	V	342.0	8.6
3085.500000	---	41.13	54.00	12.87	150.0	V	327.0	8.6
5533.000000	57.02	---	68.20	11.18	150.0	V	115.0	13.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5844.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

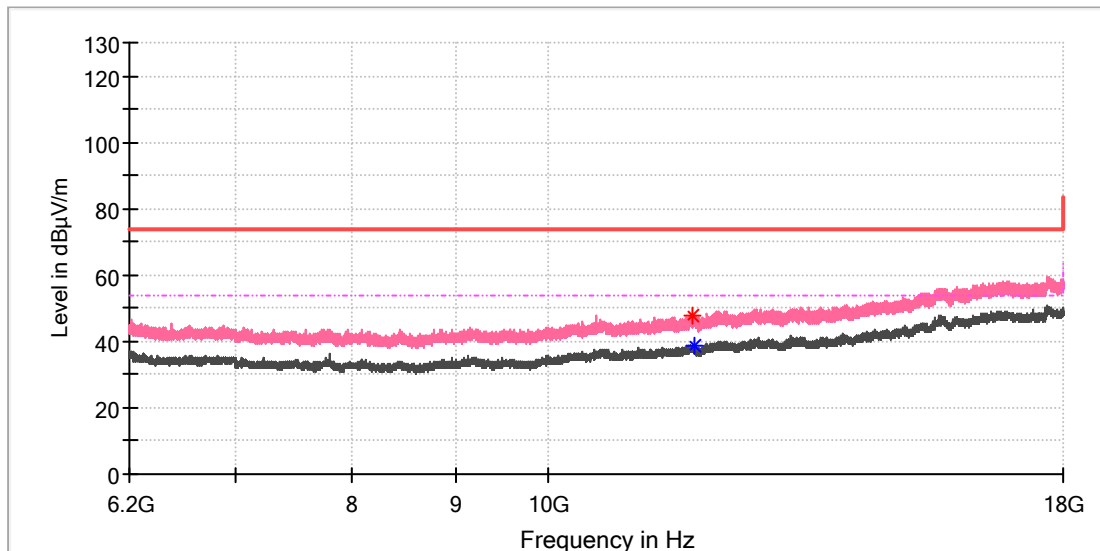
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11803.033333	---	39.04	54.00	14.96	150.0	H	163.0	13.4
11838.433333	48.58	---	74.00	25.42	150.0	H	174.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_1.4M_5844.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

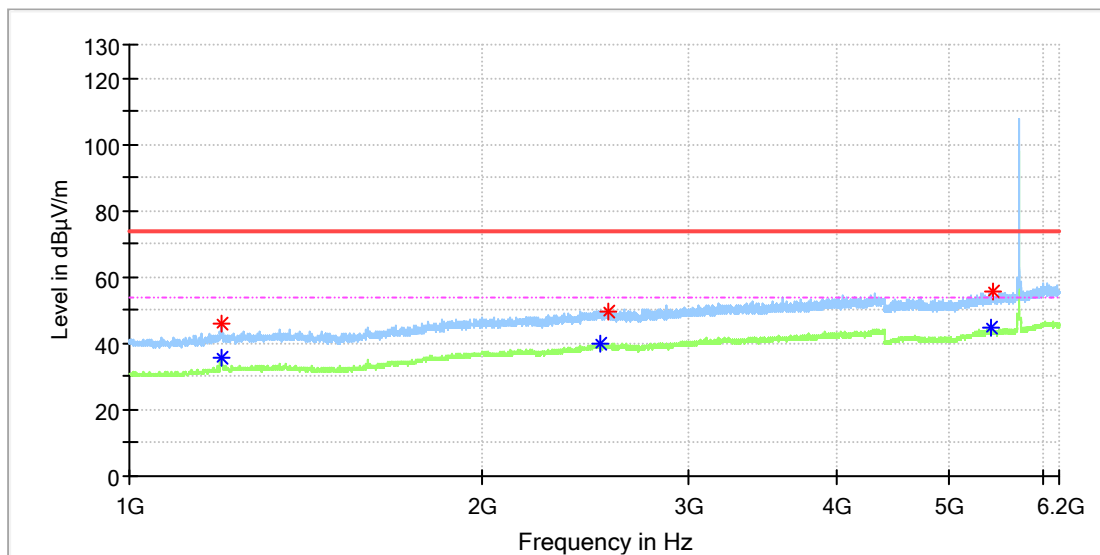
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11800.083333	47.98	---	74.00	26.02	150.0	V	345.0	13.4
11820.241667	---	38.92	54.00	15.08	150.0	V	284.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5727.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

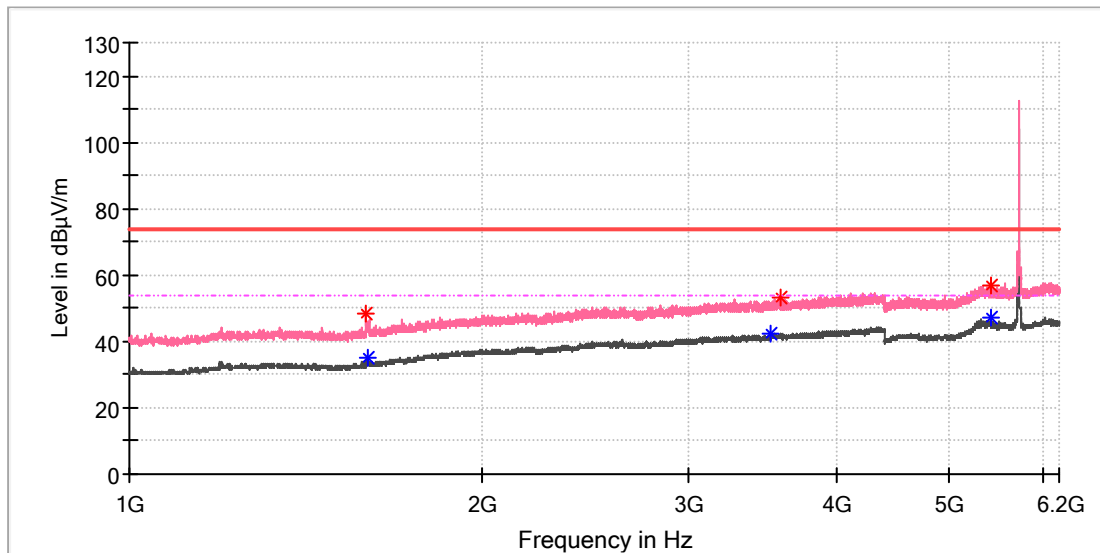
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.500000	45.89	---	74.00	28.11	150.0	H	195.0	1.1
1199.500000	---	35.43	54.00	18.57	150.0	H	195.0	1.1
2519.000000	---	40.03	54.00	13.97	150.0	H	168.0	7.5
2555.500000	49.66	---	74.00	24.34	150.0	H	308.0	7.6
5415.500000	---	44.97	54.00	9.03	150.0	H	177.0	13.5
5449.500000	55.41	---	74.00	18.59	150.0	H	19.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5727.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

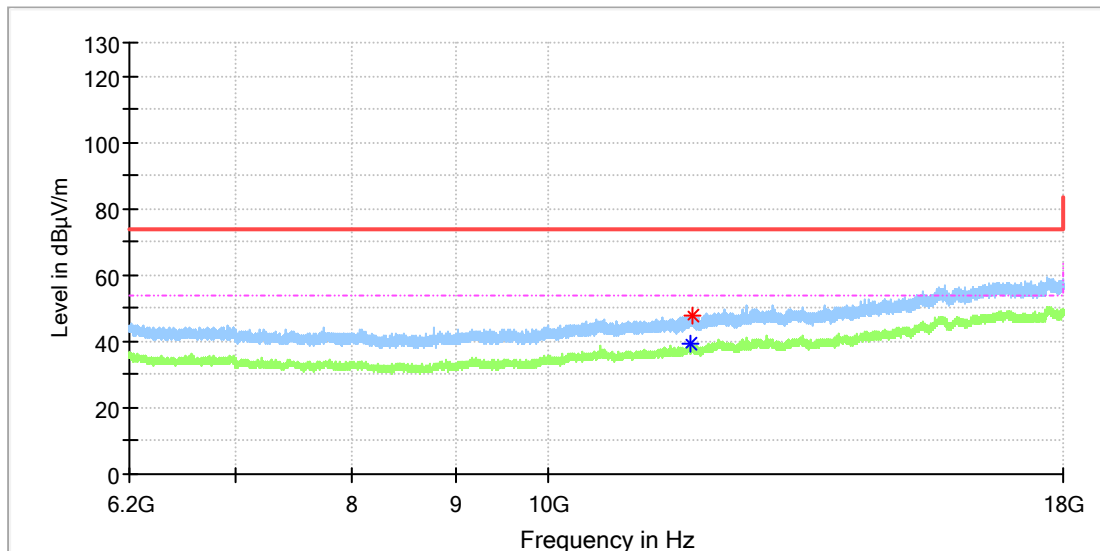
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.000000	48.44	---	74.00	25.56	150.0	V	263.0	2.0
1597.000000	---	34.79	54.00	19.21	150.0	V	246.0	2.1
3519.500000	---	42.47	54.00	11.53	150.0	V	229.0	9.1
3591.000000	53.21	---	74.00	20.79	150.0	V	212.0	9.3
5416.000000	56.76	---	74.00	17.24	150.0	V	142.0	13.5
5416.000000	---	47.03	54.00	6.97	150.0	V	142.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5727.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

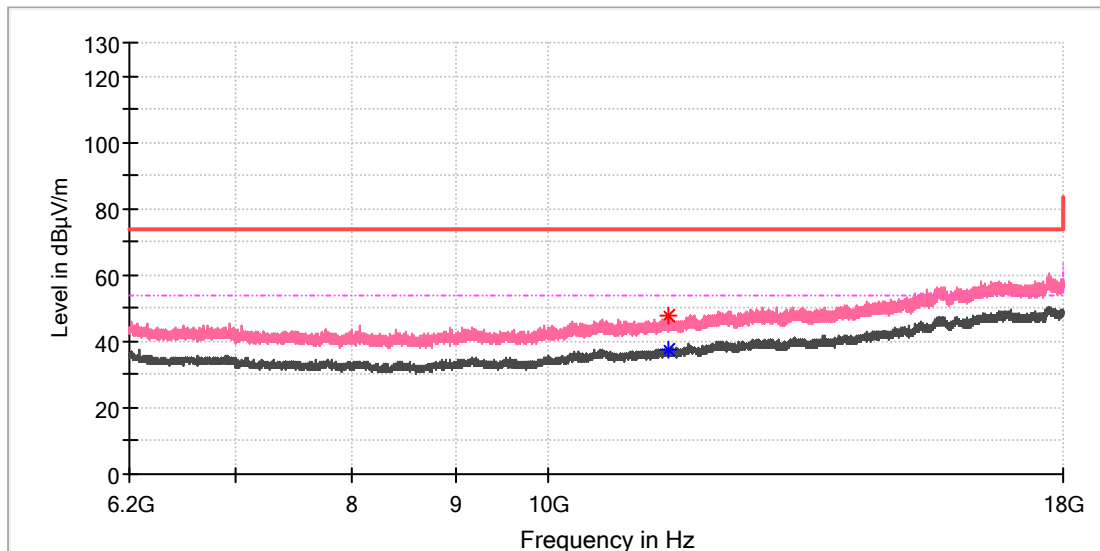
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11767.633333	---	39.29	54.00	14.71	150.0	H	209.0	13.4
11785.333333	47.72	---	74.00	26.28	150.0	H	220.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5727.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

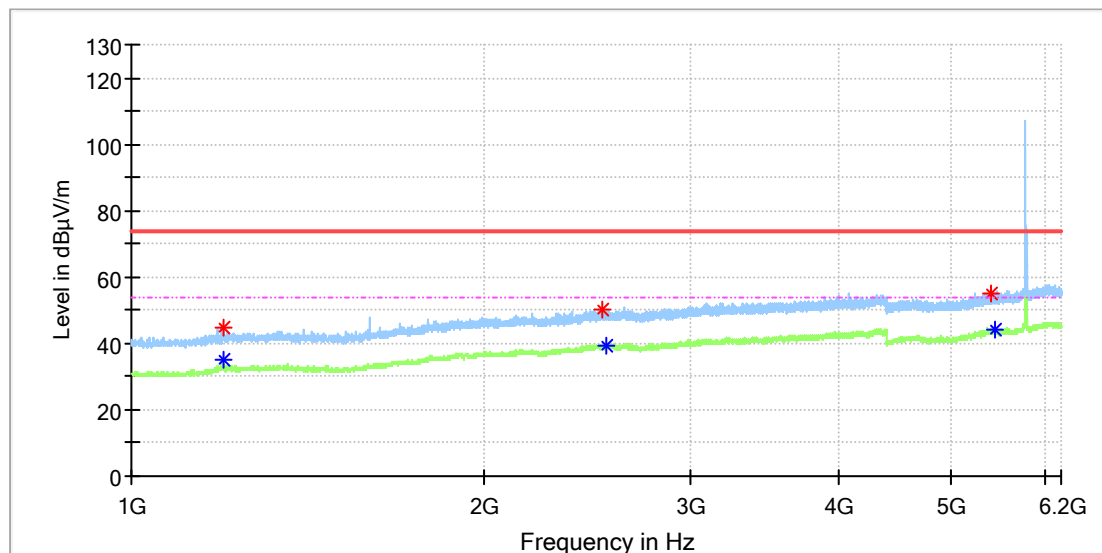
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11459.850000	47.98	---	74.00	26.02	150.0	V	204.0	13.5
11464.275000	---	37.74	54.00	16.26	150.0	V	34.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5784.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

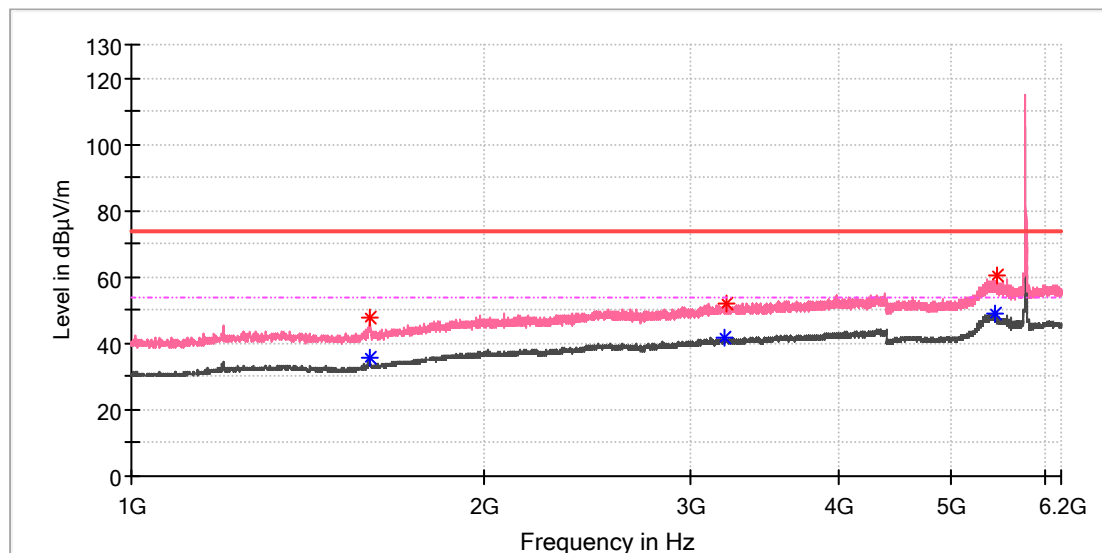
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.000000	---	35.29	54.00	18.71	150.0	H	165.0	1.1
1197.500000	44.90	---	74.00	29.10	150.0	H	184.0	1.1
2516.500000	50.28	---	74.00	23.72	150.0	H	325.0	7.4
2536.500000	---	39.59	54.00	14.41	150.0	H	359.0	7.6
5407.000000	55.24	---	74.00	18.76	150.0	H	182.0	13.5
5448.500000	---	44.25	54.00	9.75	150.0	H	182.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.8G_3M_5784.5MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.000000	---	35.50	54.00	18.50	150.0	V	296.0	2.0
1596.500000	47.68	---	74.00	26.32	150.0	V	268.0	2.1
3197.500000	---	41.91	54.00	12.09	150.0	V	79.0	8.6
3210.500000	51.90	---	74.00	22.10	150.0	V	201.0	8.6
5440.000000	---	48.76	54.00	5.24	150.0	V	146.0	13.5
5472.500000	60.41	---	68.20	7.79	150.0	V	329.0	13.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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