

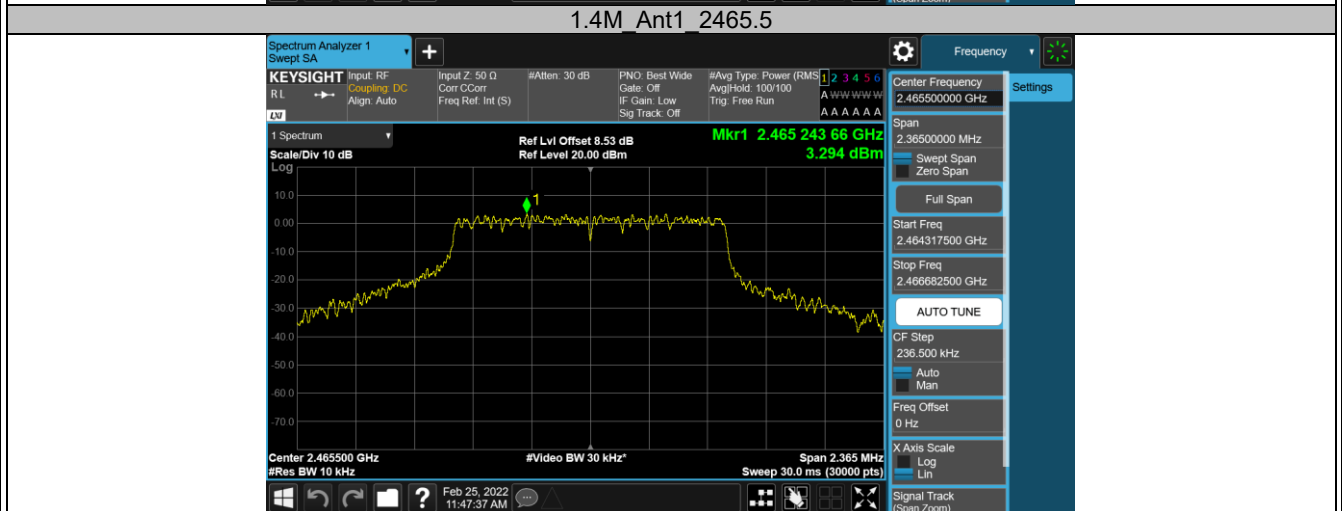
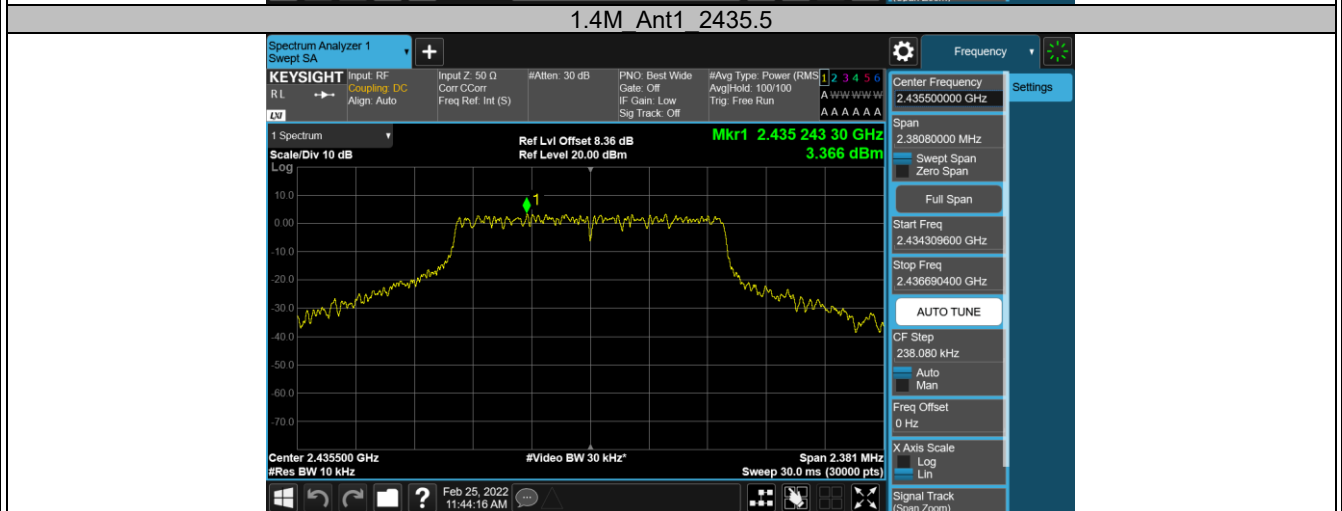
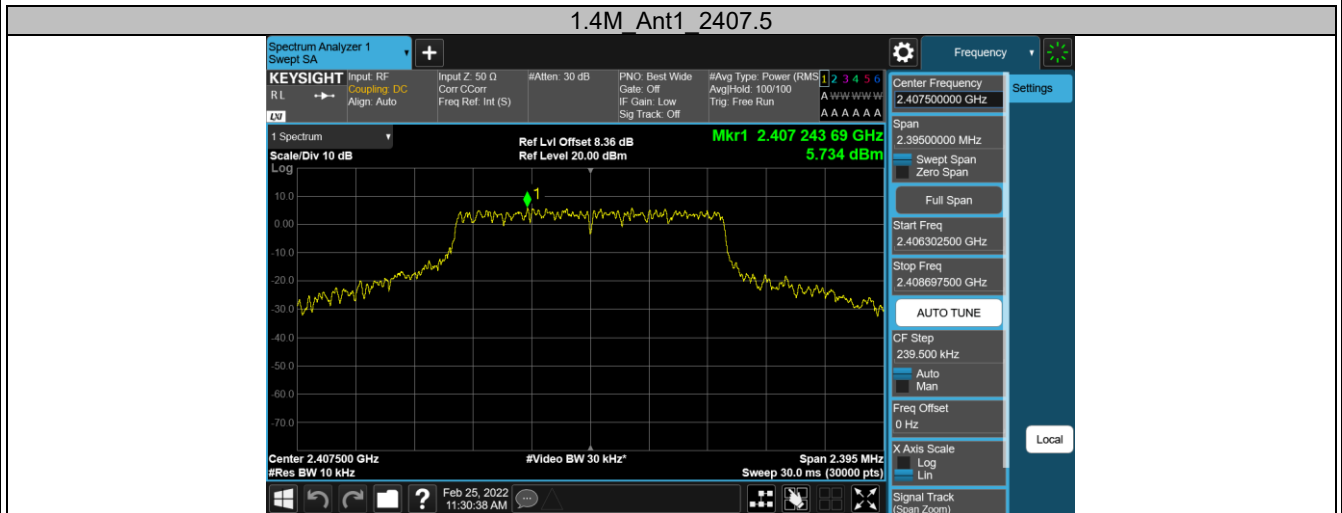
Appendix C: Test Results of 2.4GHz SDR

APPENDIX C: TEST RESULTS OF 2.4GHZ SDR.....	1
APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
2.4GHZ SDR, 1.4MHz BW.....	2
2.4GHZ SDR, 1.4MHz BW CA mode	3
2.4GHZ SDR, 3MHz BW.....	4
2.4GHZ SDR, 10MHz BW.....	5
2.4GHZ SDR, 20MHz BW.....	6
APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH.....	7
2.4GHZ SDR, 1.4MHz BW.....	7
2.4GHZ SDR, 1.4MHz BW CA mode	8
2.4GHZ SDR, 3MHz BW.....	9
2.4GHZ SDR, 10MHz BW.....	10
2.4GHZ SDR, 20MHz BW.....	11
APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH.....	12
2.4GHZ SDR, 1.4MHz BW.....	12
2.4GHZ SDR, 1.4MHz BW CA mode	13
2.4GHZ SDR, 3MHz BW.....	14
2.4GHZ SDR, 10MHz BW.....	15
2.4GHZ SDR, 20MHz BW.....	16
APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH.....	17
2.4GHZ SDR, 1.4MHz BW.....	17
2.4GHZ SDR, 1.4MHz BW CA mode	21
2.4GHZ SDR, 3MHz BW.....	25
2.4GHZ SDR, 10MHz BW.....	29
2.4GHZ SDR, 20MHz BW.....	33
2.4GHZ SDR, 1.4MHz BW Bandedge	39
2.4GHZ SDR, 1.4MHz BW CA mode Bandedge	40
2.4GHZ SDR, 3MHz BW Bandedge	41
2.4GHZ SDR, 10MHz BW Bandedge	42
2.4GHZ SDR, 20MHz BW Bandedge	43
APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS.....	44
30MHz - 1GHz (Worst case)	44
1GHz - 18GHz.....	46
APPENDIX C.6: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	138

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

2.4GHz SDR, 1.4MHz BW

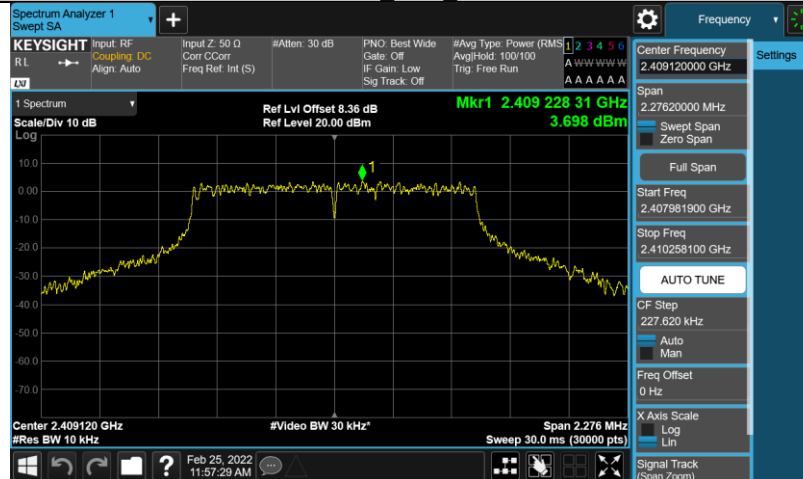
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
1.4M	Ant1	2407.5	5.73	≤8.00	PASS
		2435.5	3.37	≤8.00	PASS
		2465.5	3.29	≤8.00	PASS



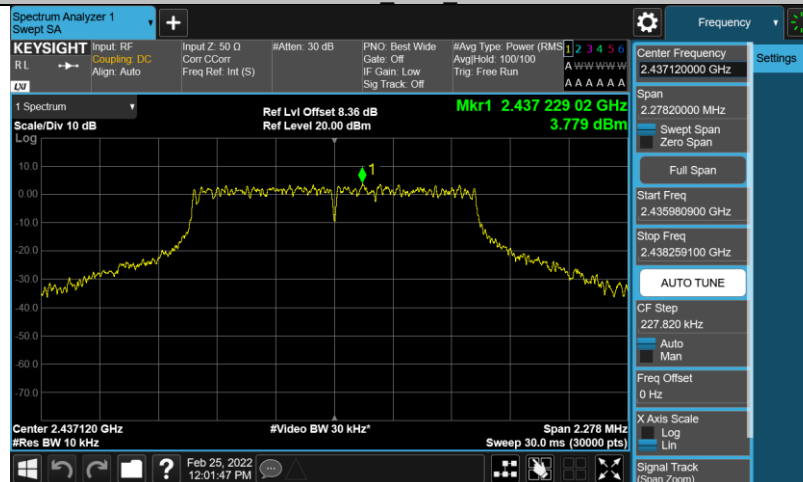
2.4GHz SDR, 1.4MHz BW CA mode

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
1.4M-CA	Ant1	2409.12	3.70	≤8.00	PASS
		2437.12	3.78	≤8.00	PASS
		2467.12	3.75	≤8.00	PASS

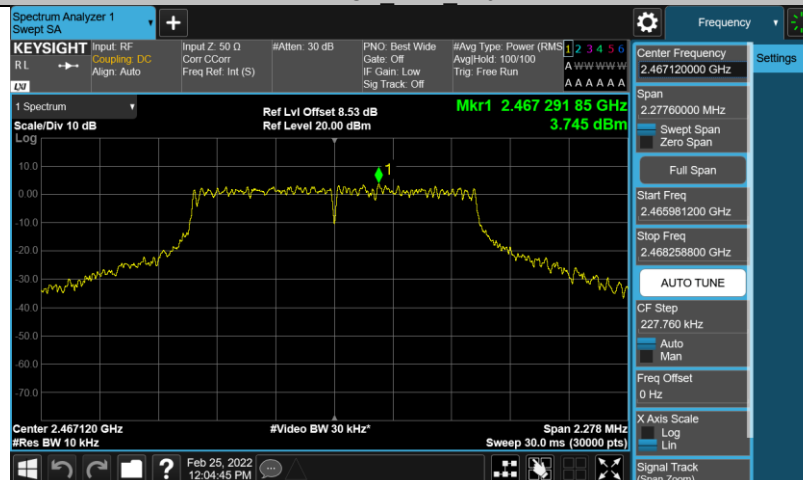
1.4M-CA Ant1 2409.12



1.4M-CA Ant1 2437.12



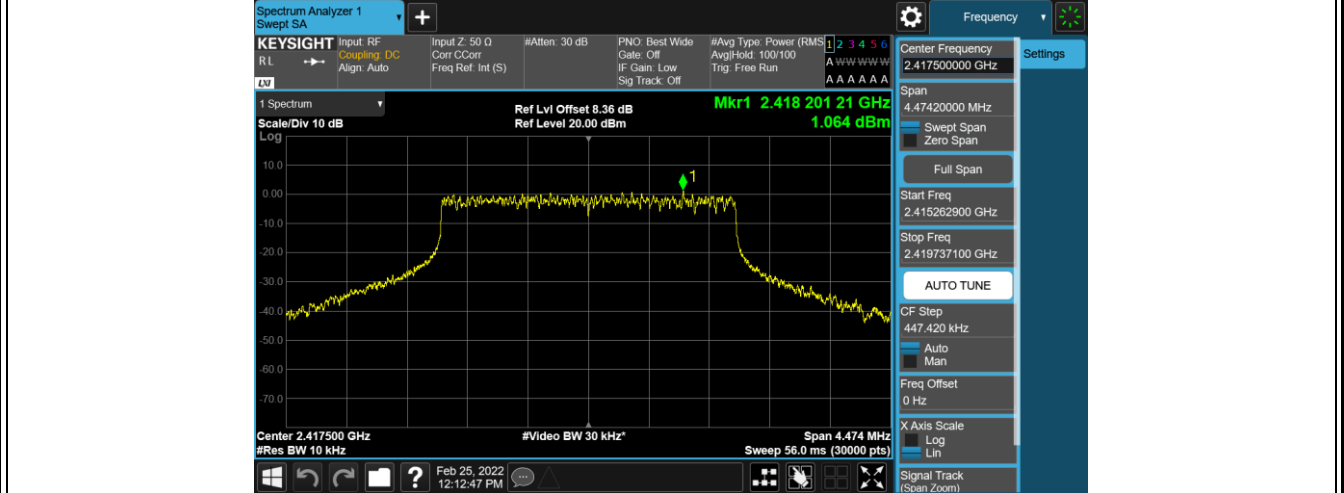
1.4M-CA Ant1 2467.12



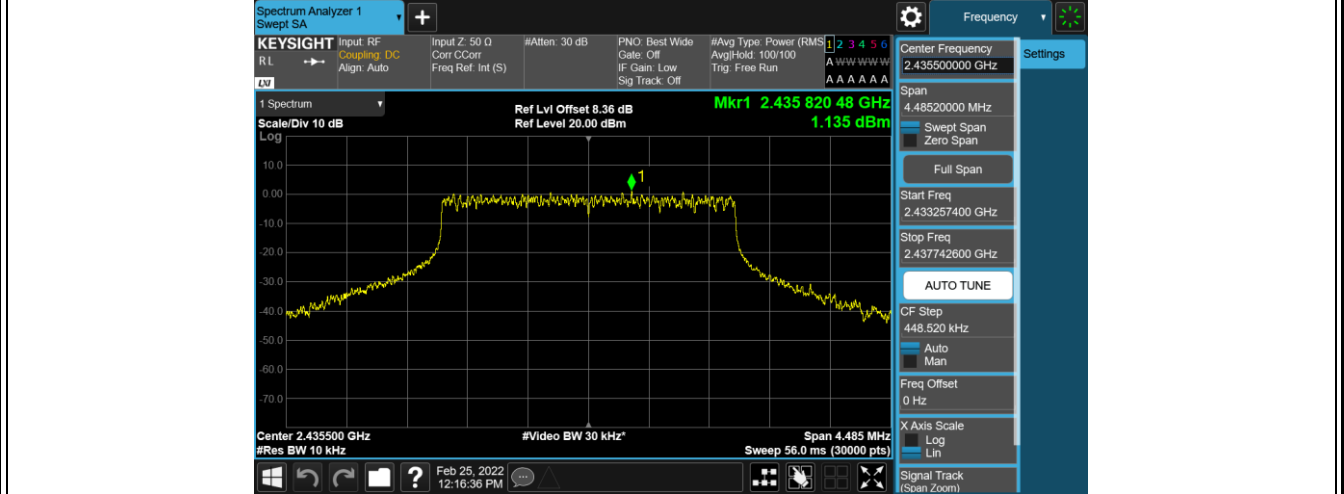
2.4GHz SDR, 3MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
3M	Ant1	2417.5	1.06	≤8.00	PASS
		2435.5	1.14	≤8.00	PASS
		2456.5	1.06	≤8.00	PASS

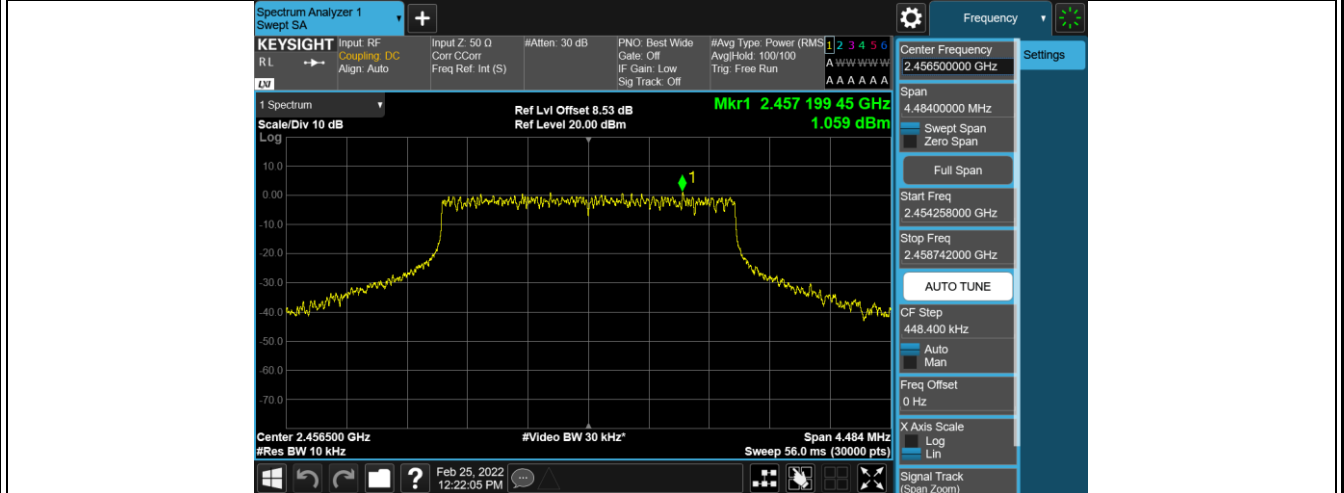
3M Ant1 2417.5



3M Ant1 2435.5



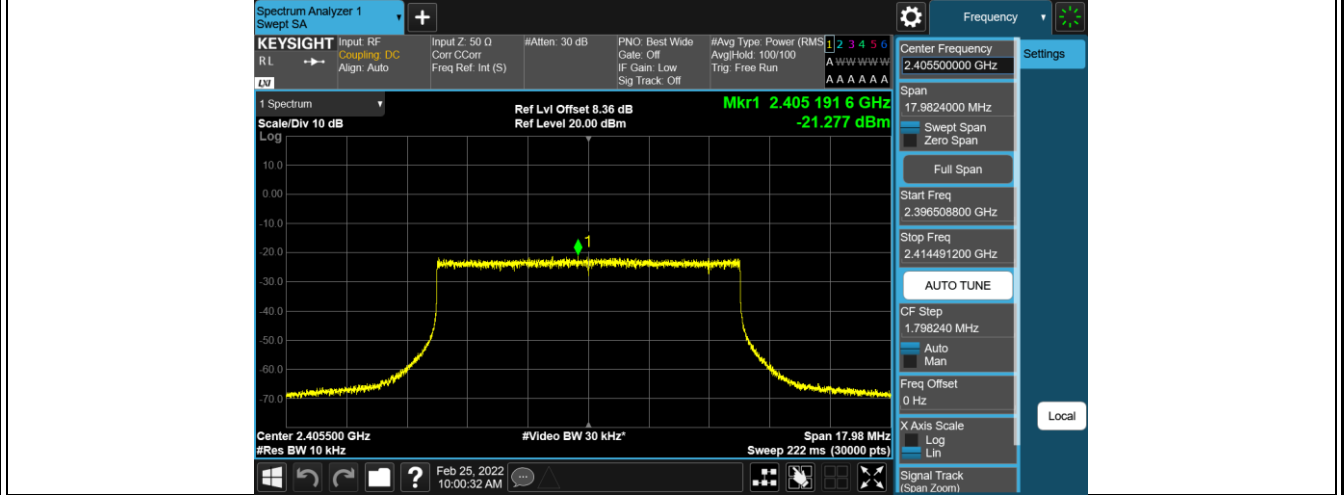
3M Ant1 2456.5



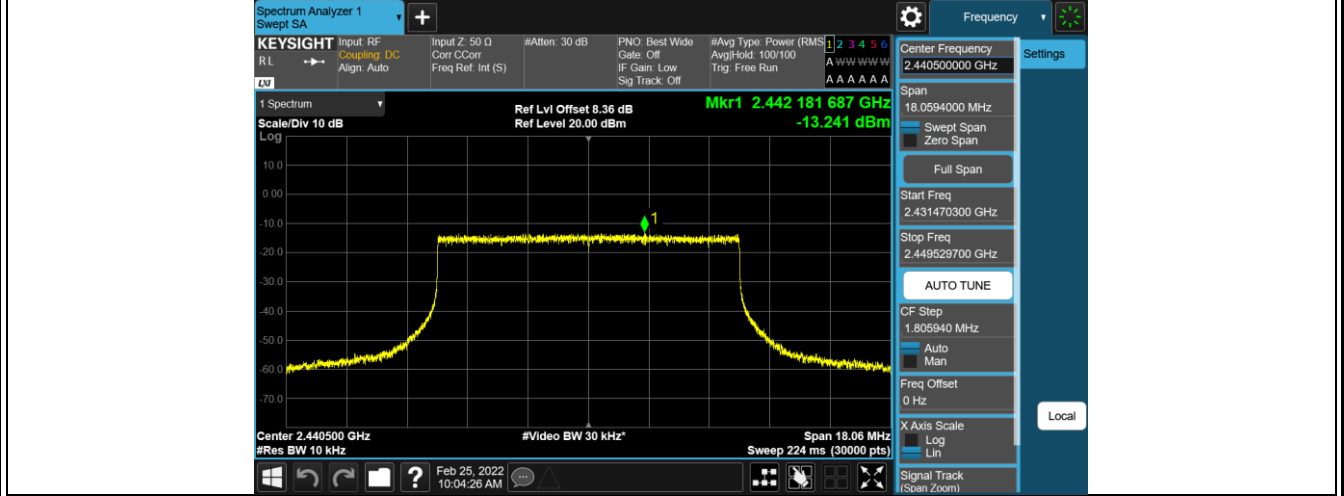
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
10M	Ant1	2405.5	-21.28	≤8.00	PASS
		2440.5	-13.24	≤8.00	PASS
		2476.5	-30.88	≤8.00	PASS

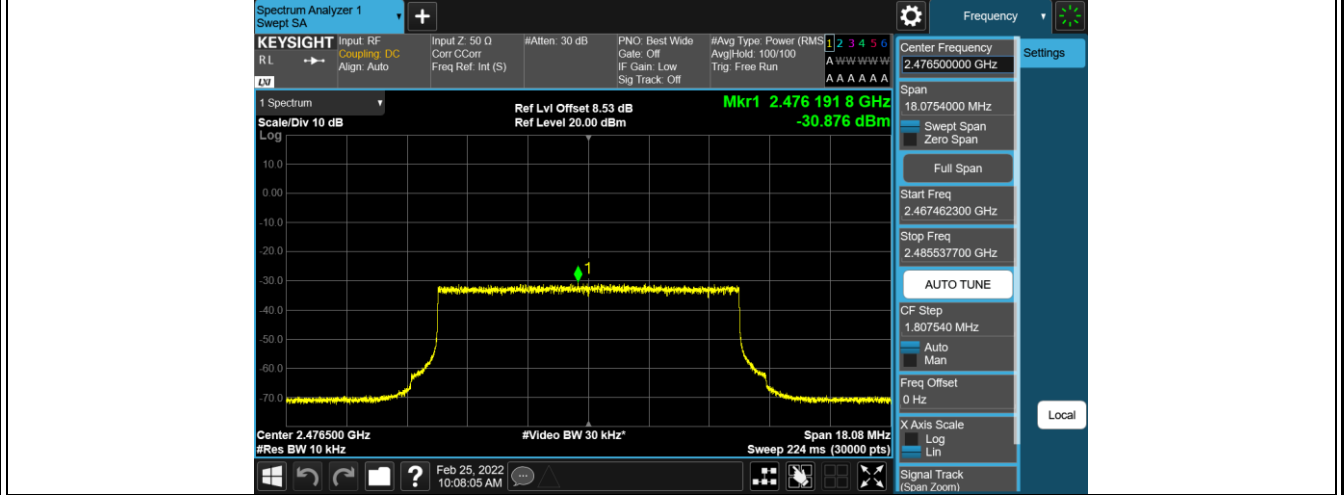
10M_Ant1_2405.5



10M_Ant1_2440.5



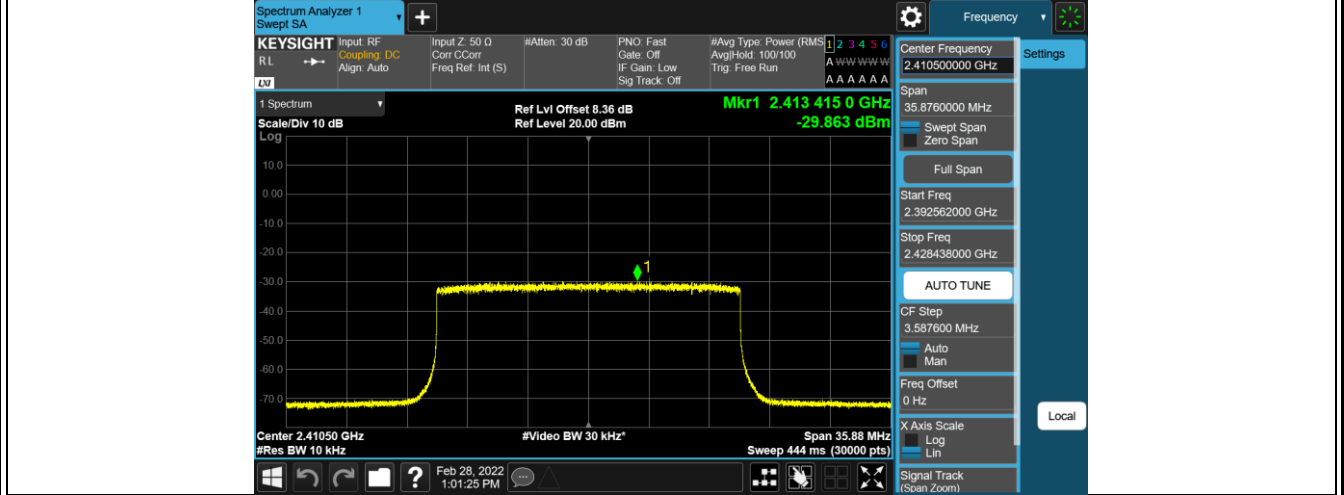
10M_Ant1_2476.5



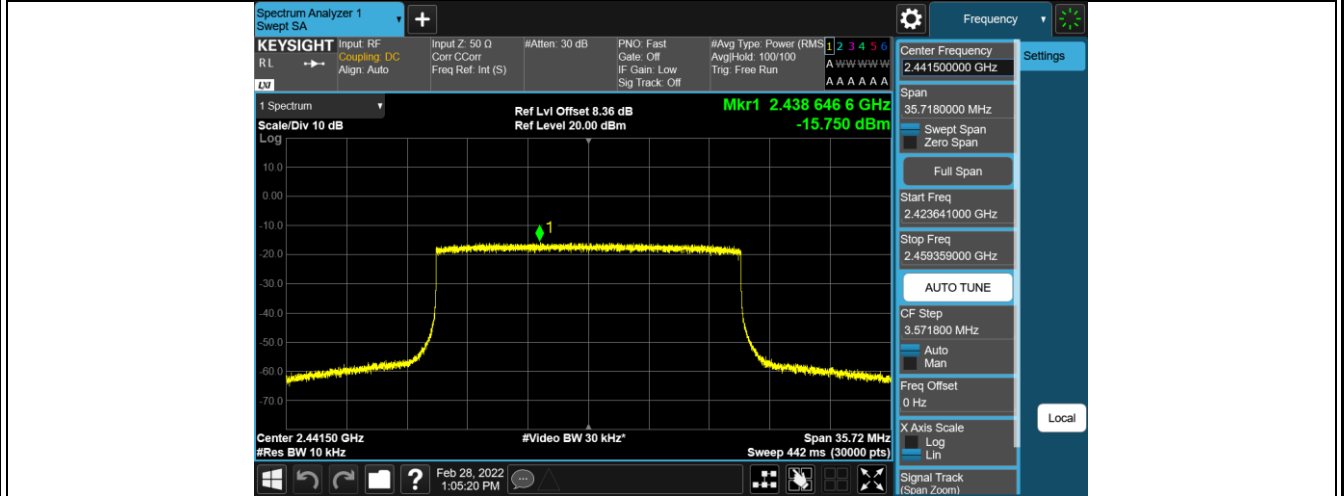
2.4GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
20M	Ant1	2410.5	-29.86	≤8.00	PASS
		2441.5	-15.75	≤8.00	PASS
		2472.5	-27.34	≤8.00	PASS

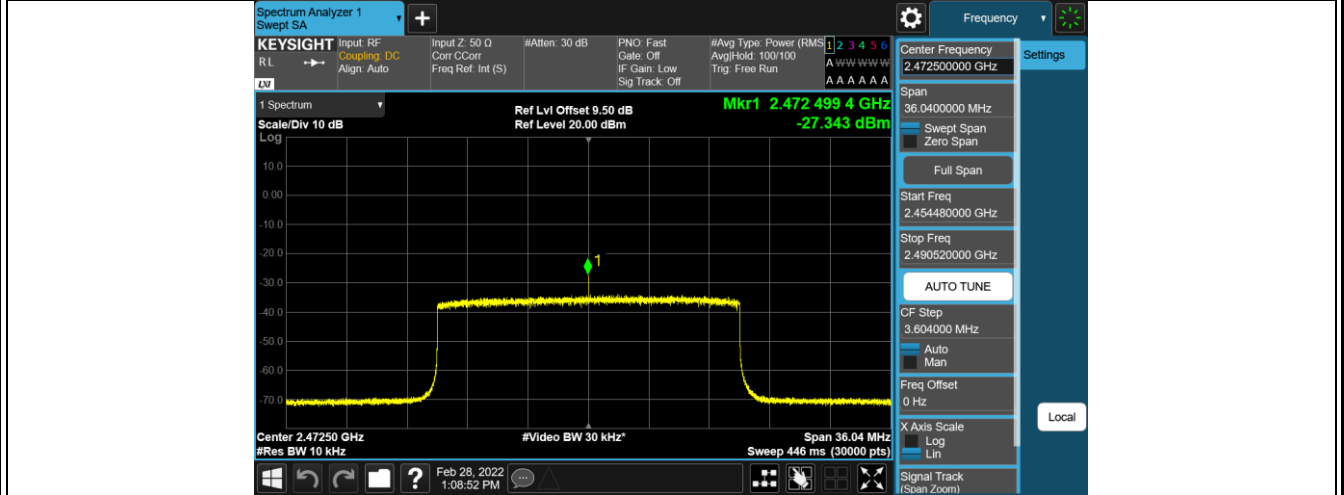
20M_Ant1_2410.5



20M_Ant1_2441.5



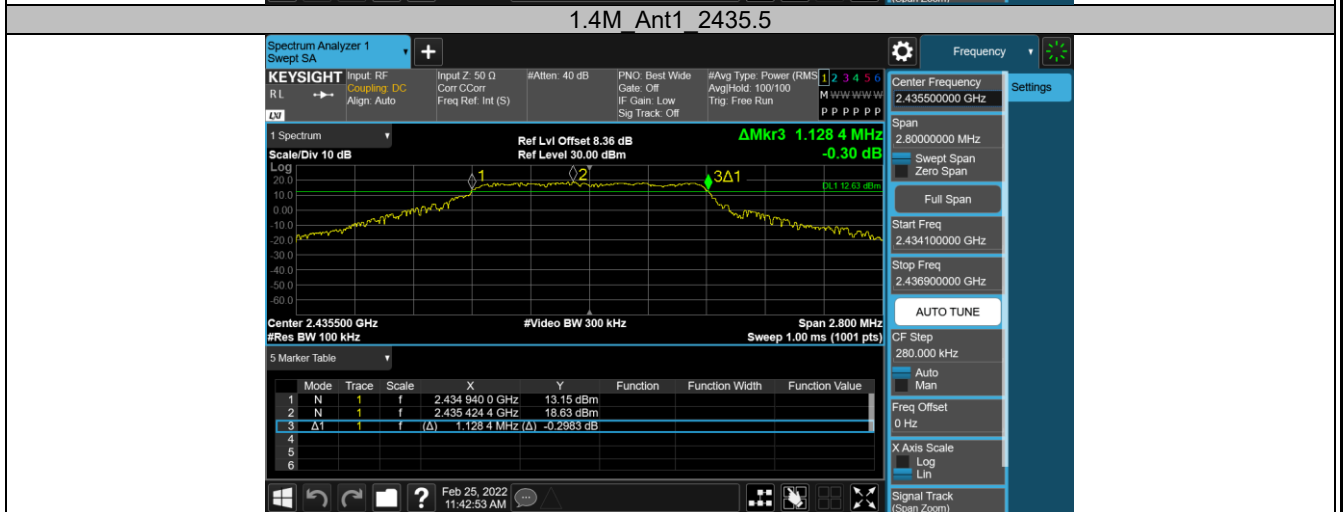
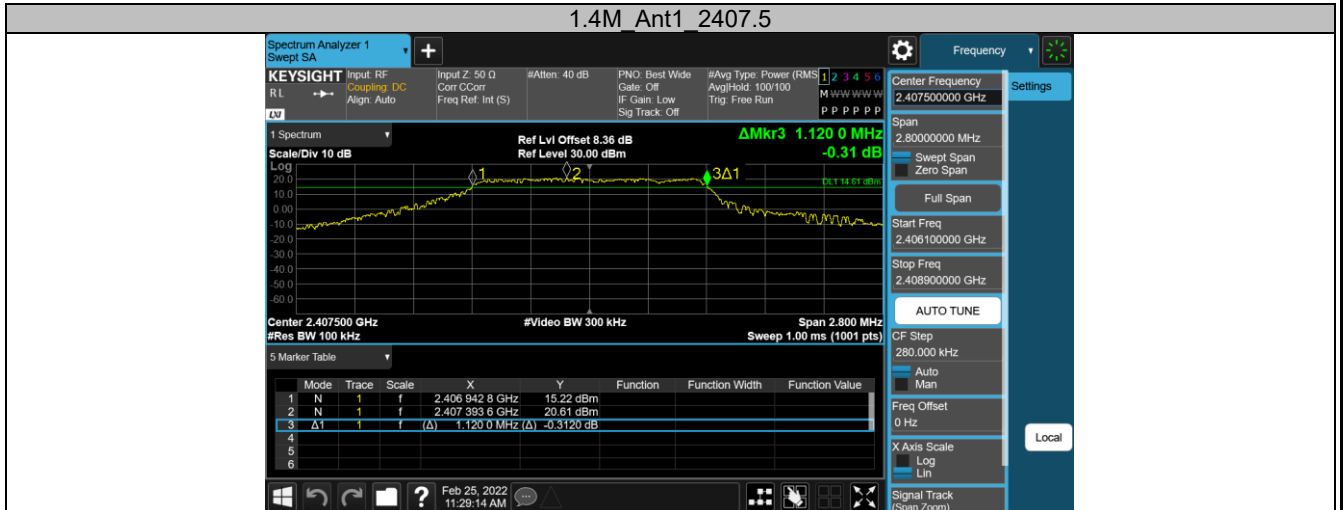
20M_Ant1_2472.5



Appendix C.2: Test Results of 6dB Bandwidth

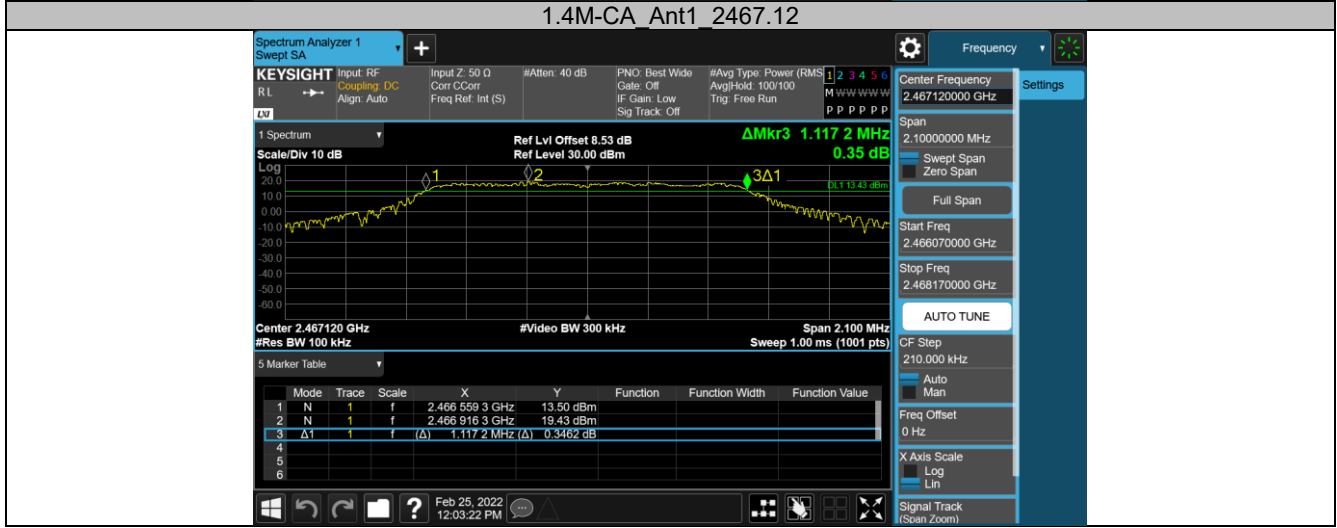
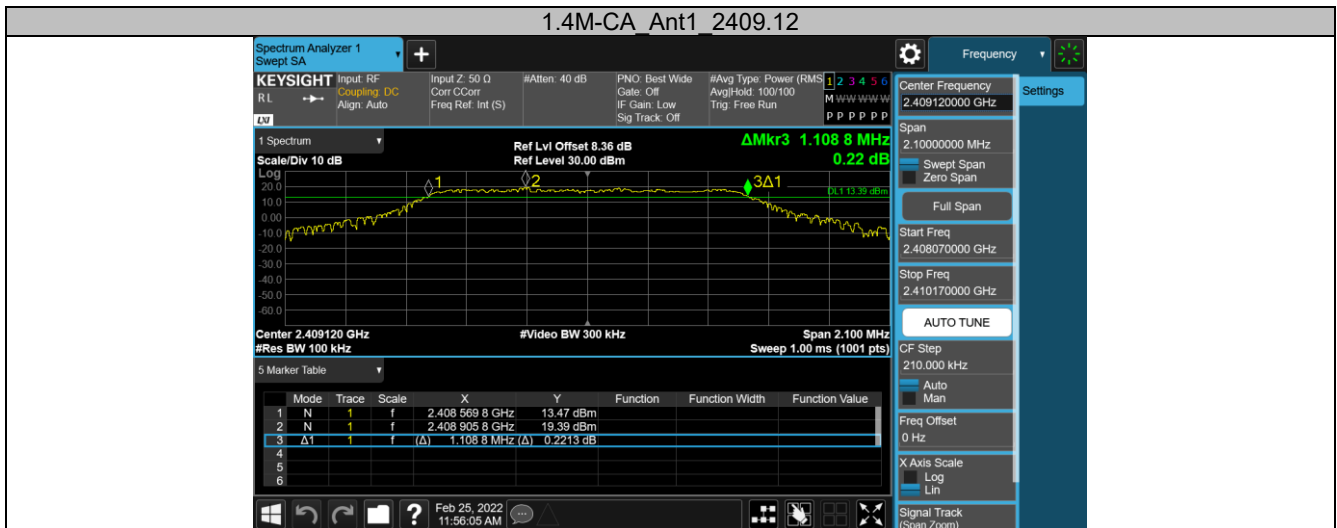
2.4GHz SDR, 1.4MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M	Ant1	2407.5	1.120	2406.943	2408.063	0.5	PASS
		2435.5	1.128	2434.940	2436.068	0.5	PASS
		2465.5	1.126	2464.937	2466.063	0.5	PASS



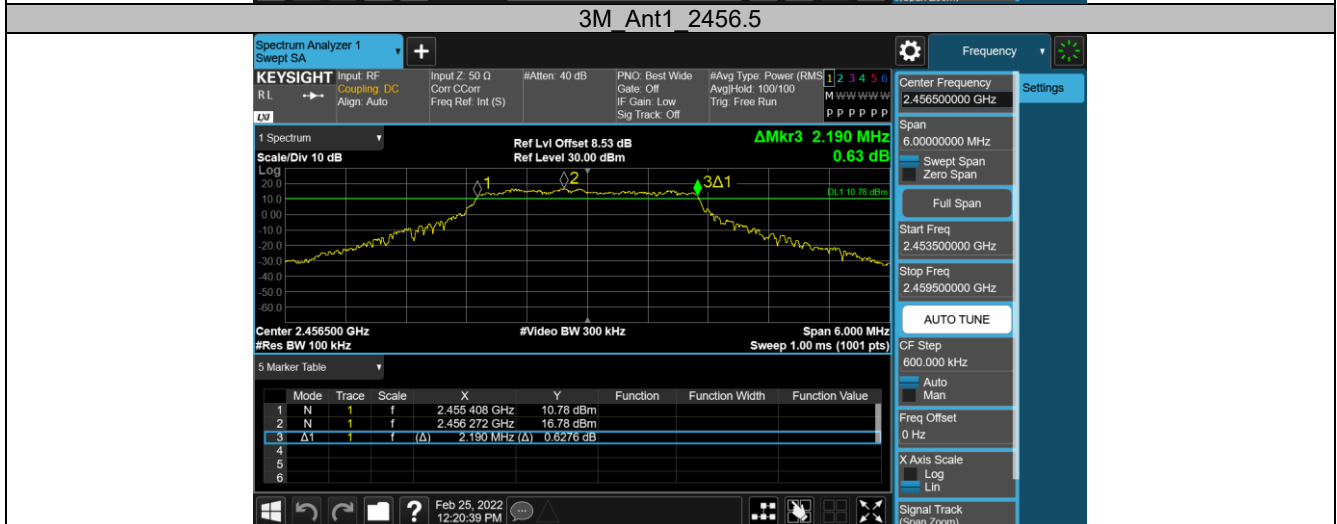
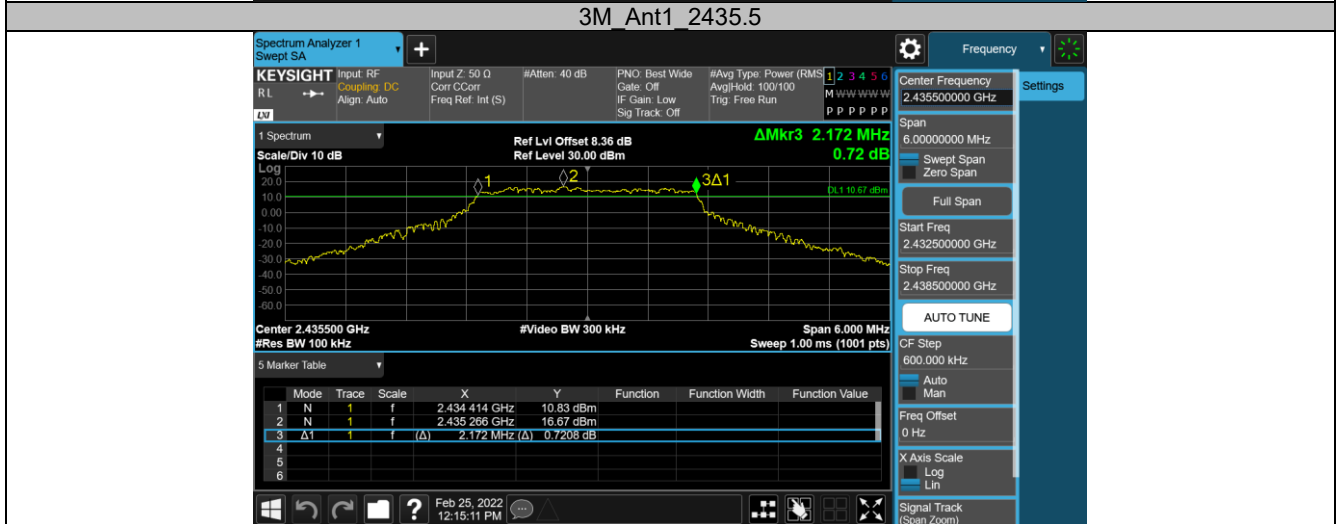
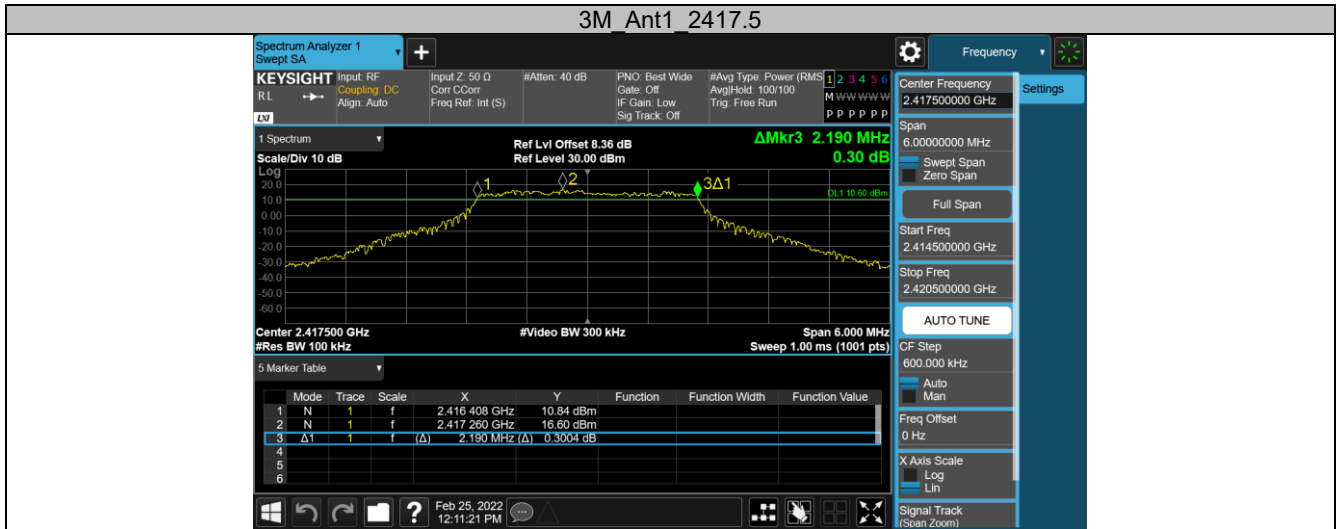
2.4GHz SDR, 1.4MHz BW CA mode

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M-CA	Ant1	2409.12	1.109	2408.570	2409.679	0.5	PASS
		2437.12	1.119	2436.561	2437.681	0.5	PASS
		2467.12	1.117	2466.559	2467.677	0.5	PASS



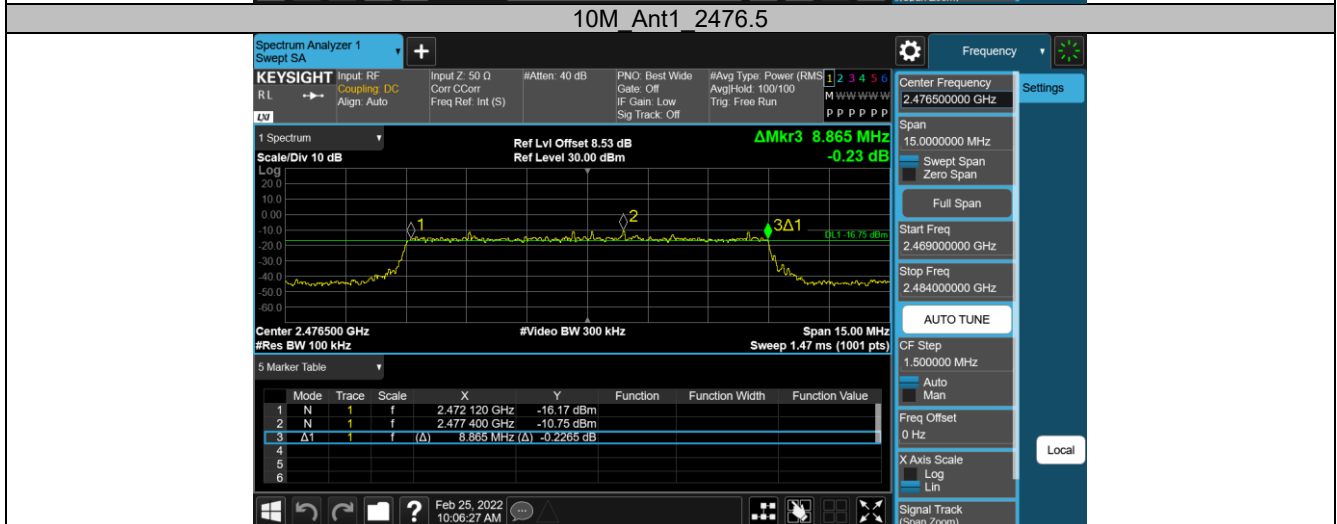
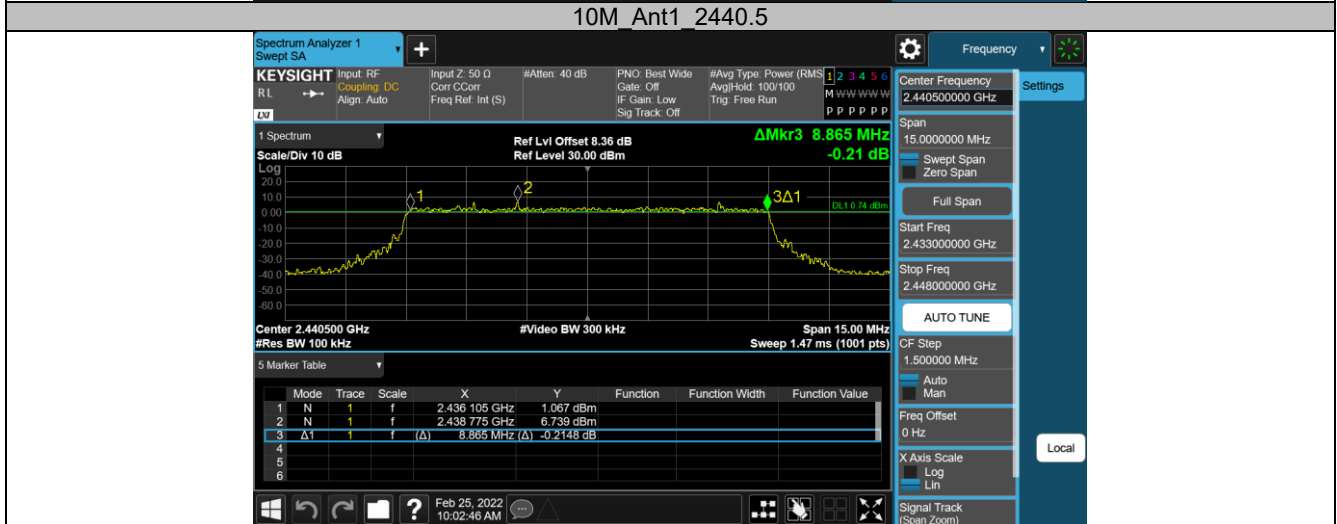
2.4GHz SDR, 3MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	Ant1	2417.5	2.190	2416.408	2418.598	0.5	PASS
		2435.5	2.172	2434.414	2436.586	0.5	PASS
		2456.5	2.190	2455.408	2457.598	0.5	PASS



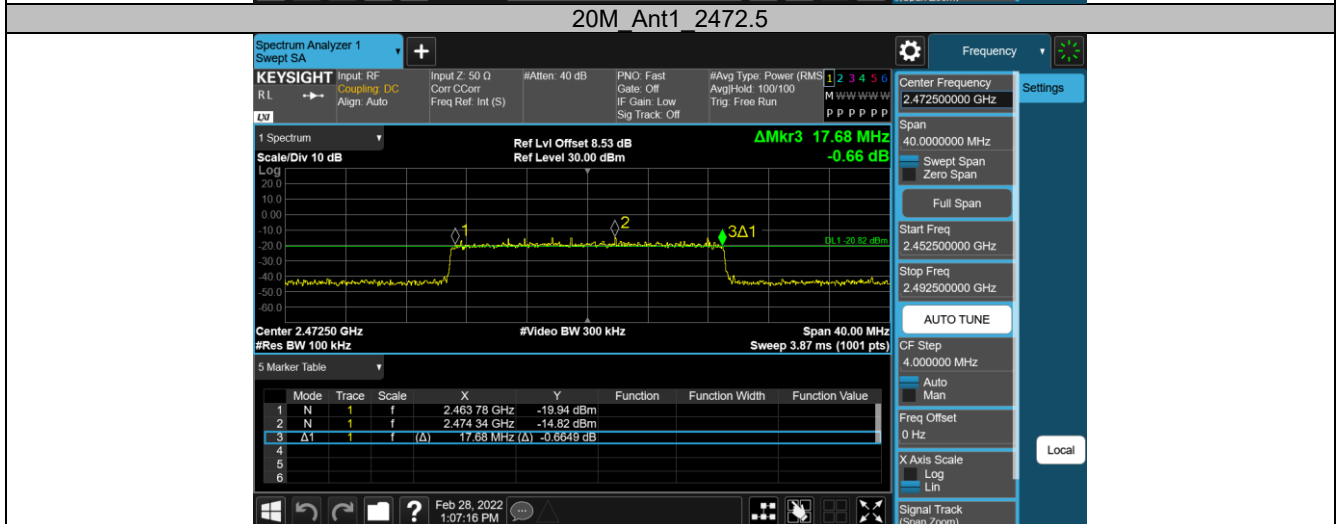
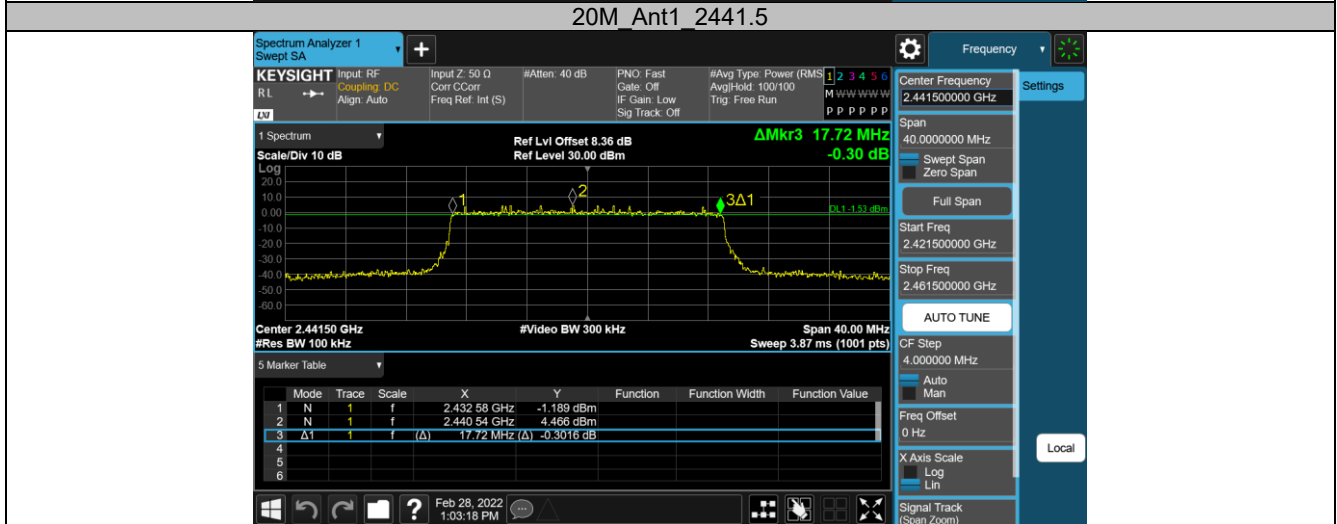
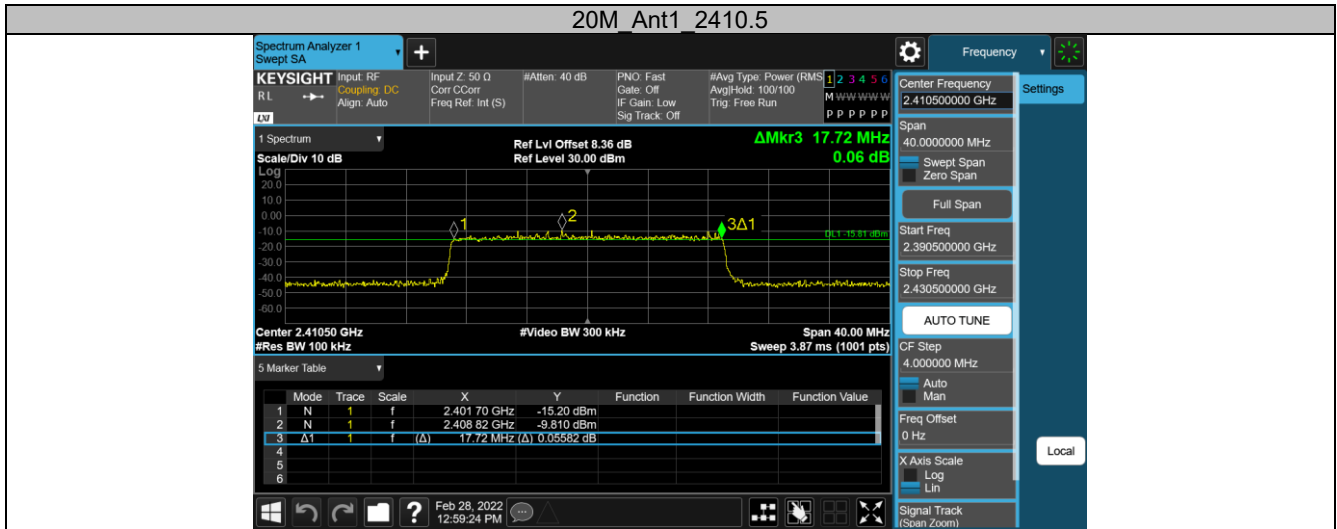
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	2405.5	8.625	2401.255	2409.880	0.5	PASS
		2440.5	8.865	2436.105	2444.970	0.5	PASS
		2476.5	8.865	2472.120	2480.985	0.5	PASS



2.4GHz SDR, 20MHz BW

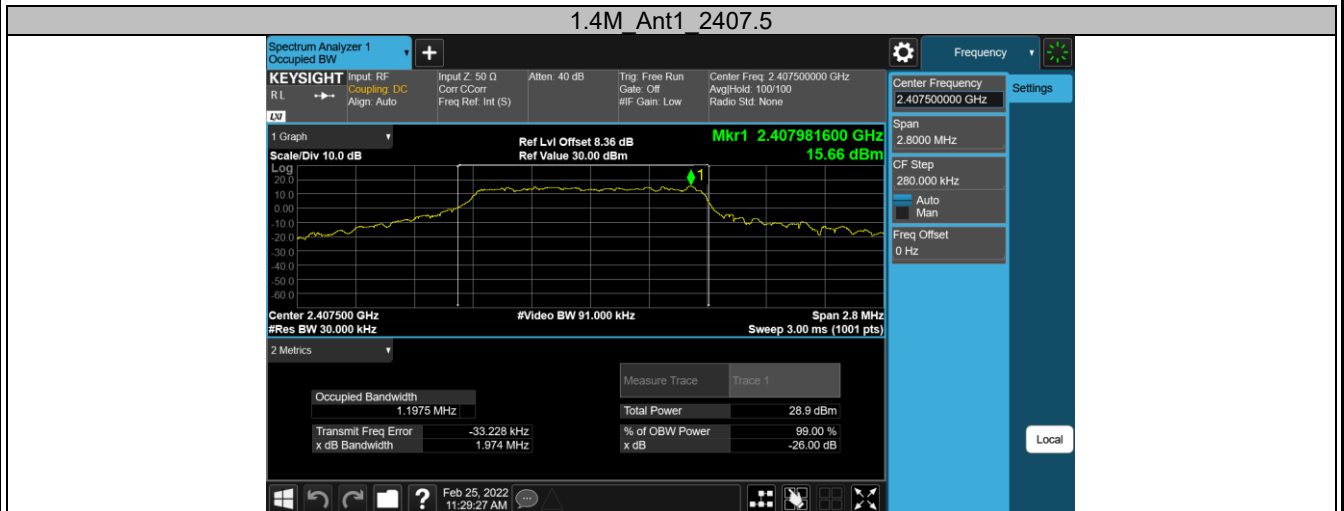
TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	2410.5	17.720	2401.700	2419.420	0.5	PASS
		2441.5	17.720	2432.580	2450.300	0.5	PASS
		2472.5	17.680	2463.780	2481.460	0.5	PASS



Appendix C.3: Test Results of 99% Bandwidth

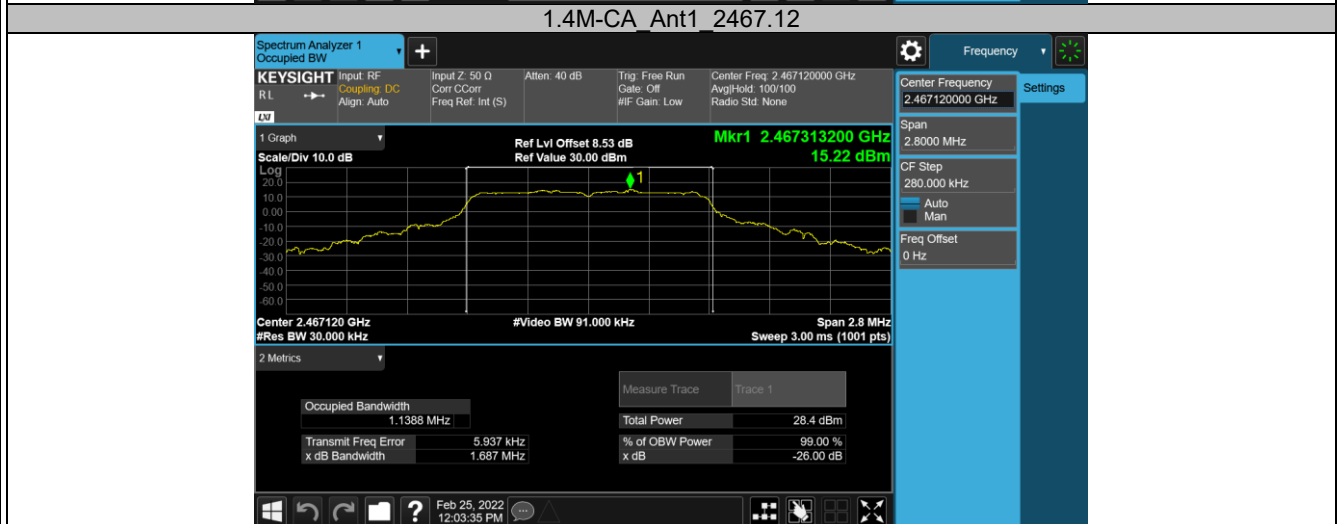
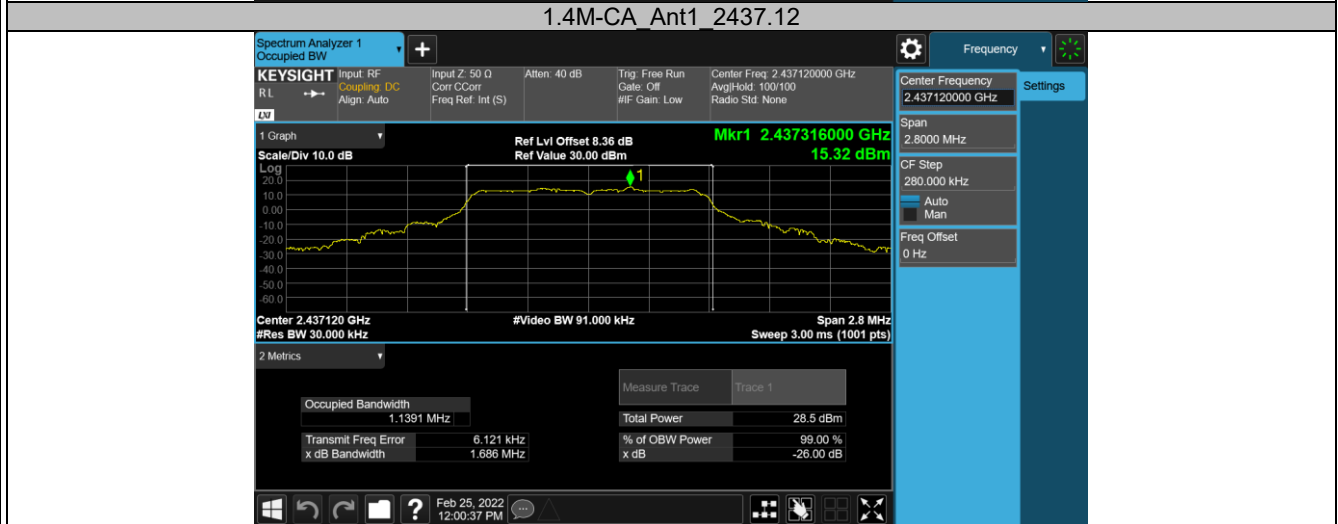
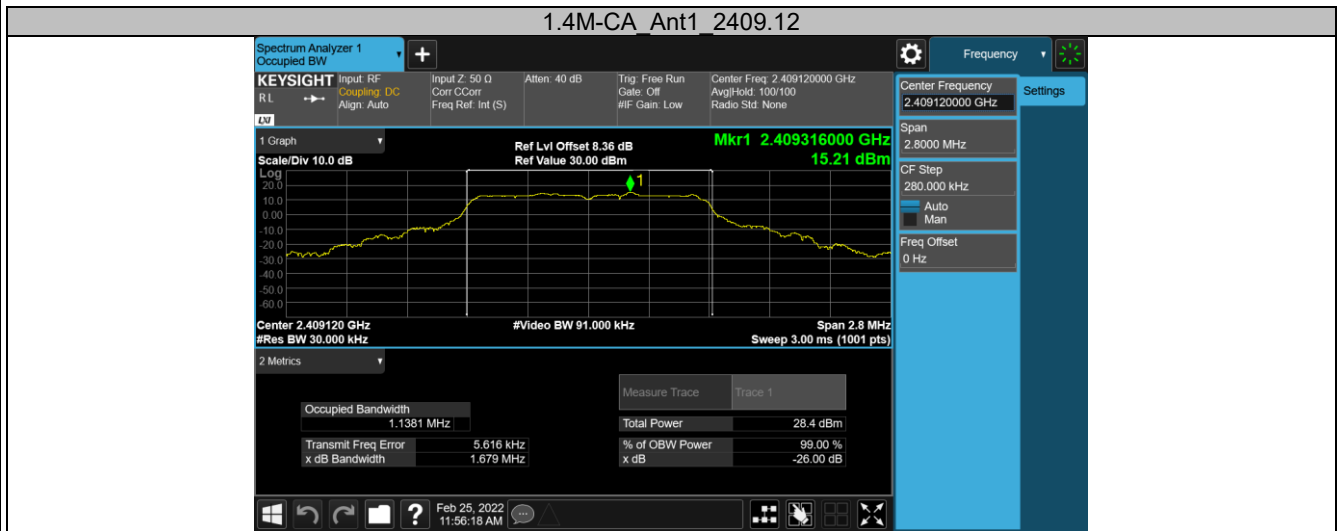
2.4GHz SDR, 1.4MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M	Ant1	2407.5	1.1975	2406.868	2408.066	---	---
		2435.5	1.1904	2434.870	2436.060	---	---
		2465.5	1.1825	2464.877	2466.060	---	---



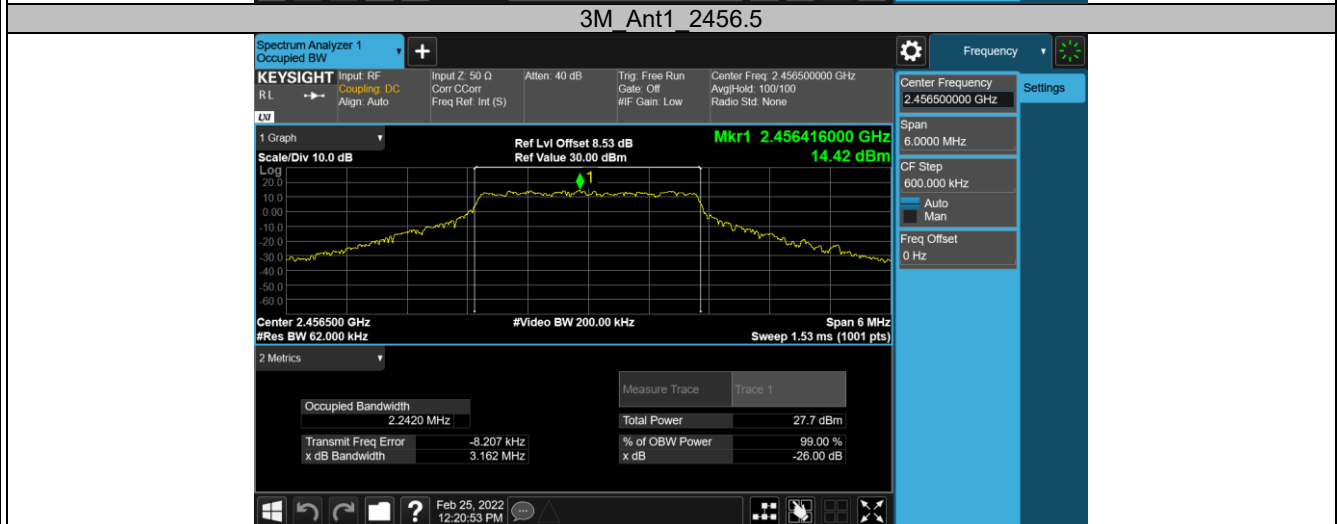
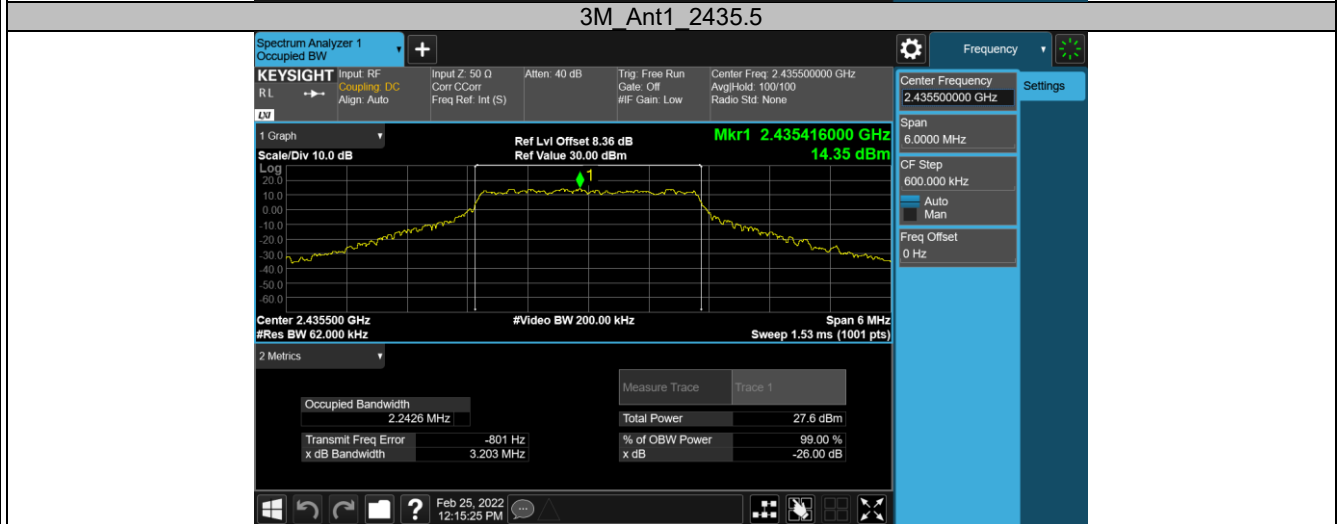
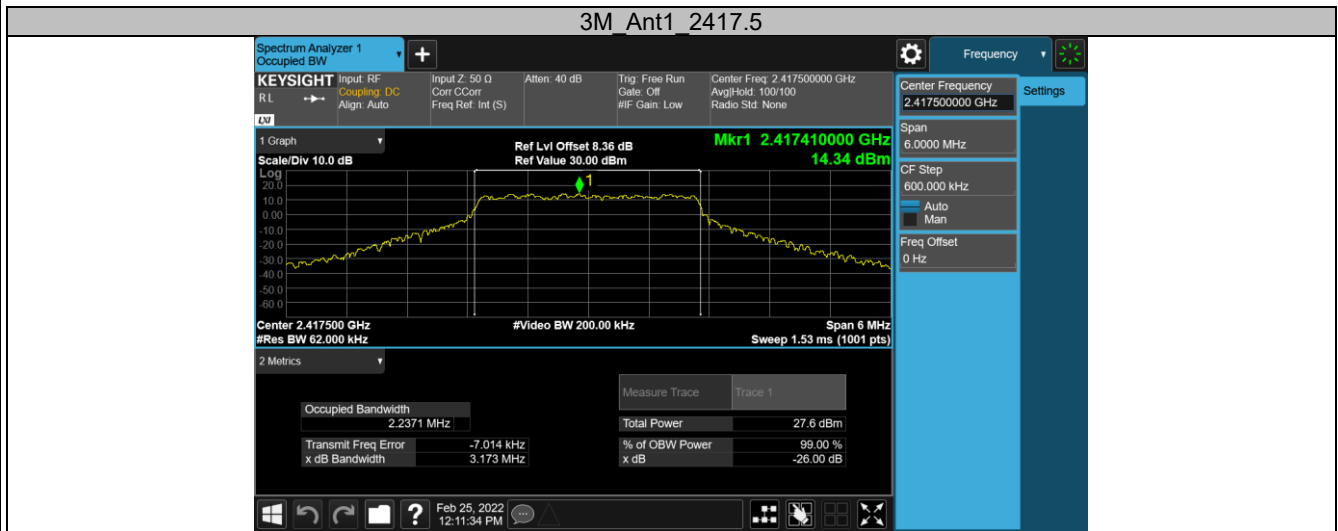
2.4GHz SDR, 1.4MHz BW CA mode

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M-CA	Ant1	2409.12	1.1381	2408.557	2409.695	---	---
		2437.12	1.1391	2436.557	2437.696	---	---
		2467.12	1.1388	2466.557	2467.695	---	---



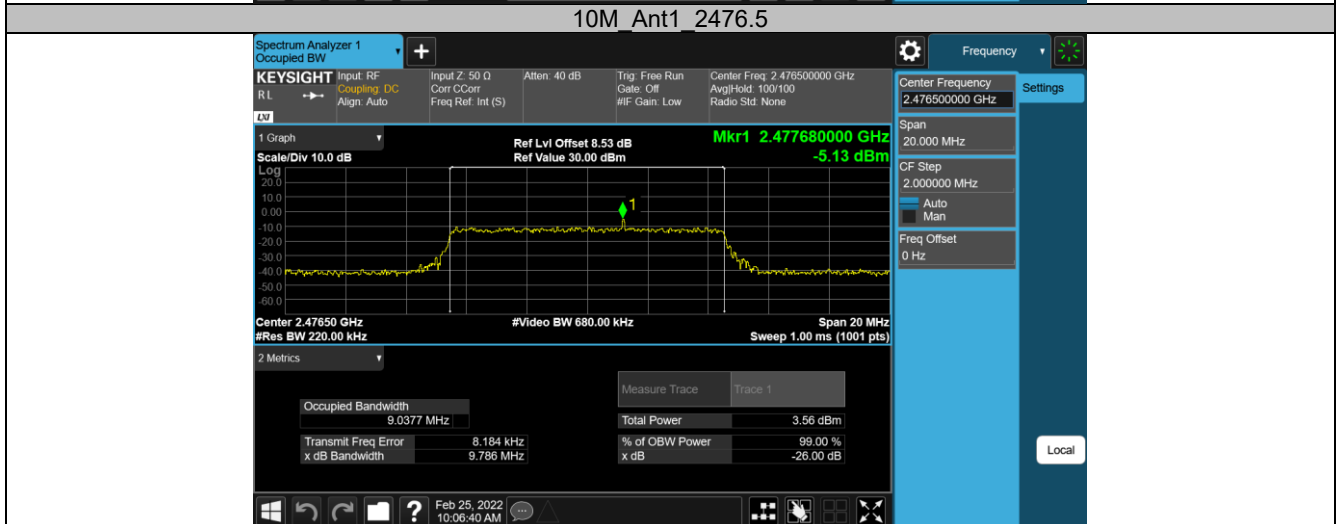
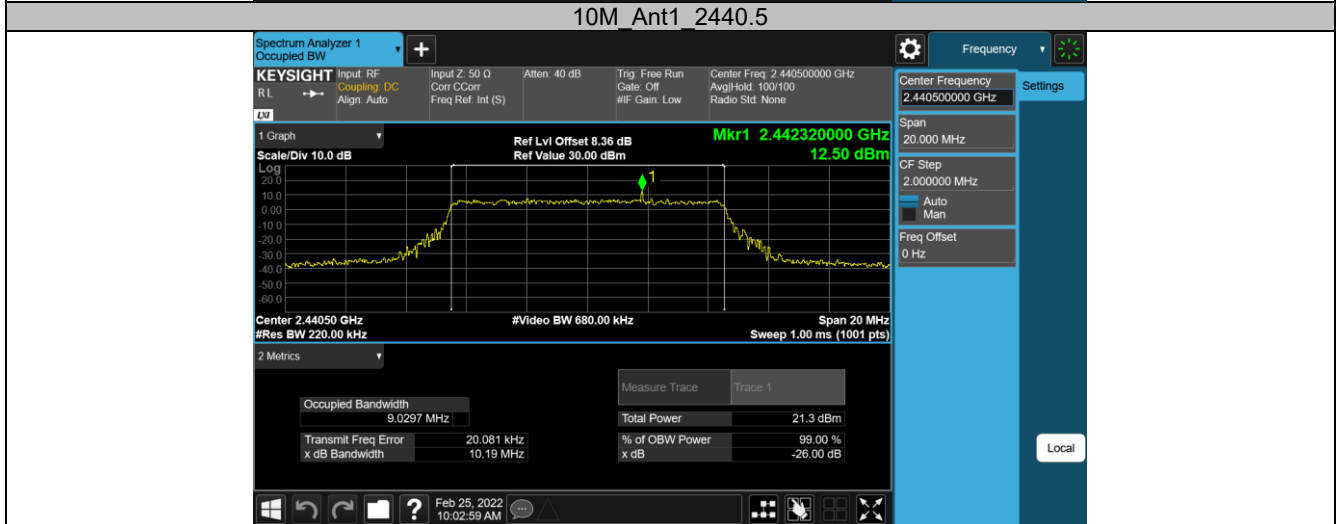
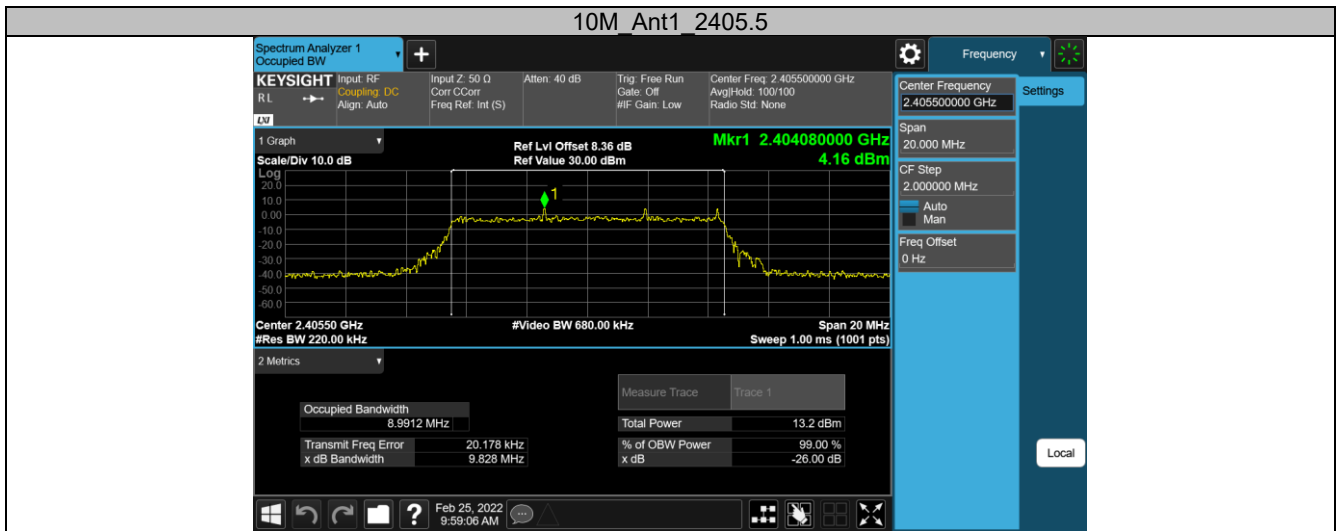
2.4GHz SDR, 3MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	Ant1	2417.5	2.2371	2416.374	2418.612	---	---
		2435.5	2.2426	2434.378	2436.621	---	---
		2456.5	2.2420	2455.371	2457.613	---	---



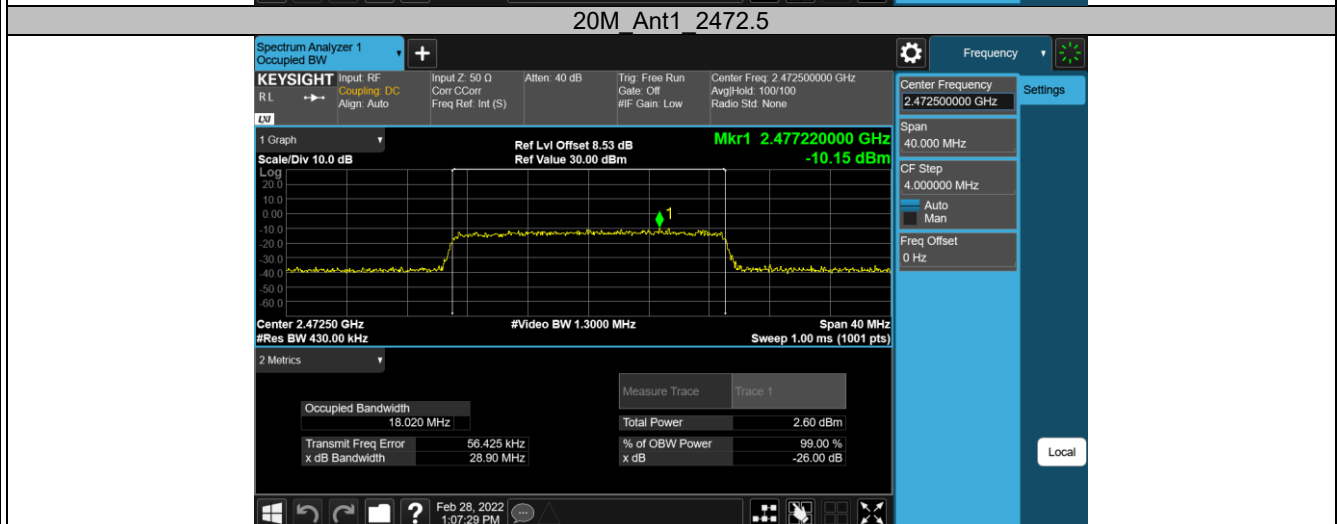
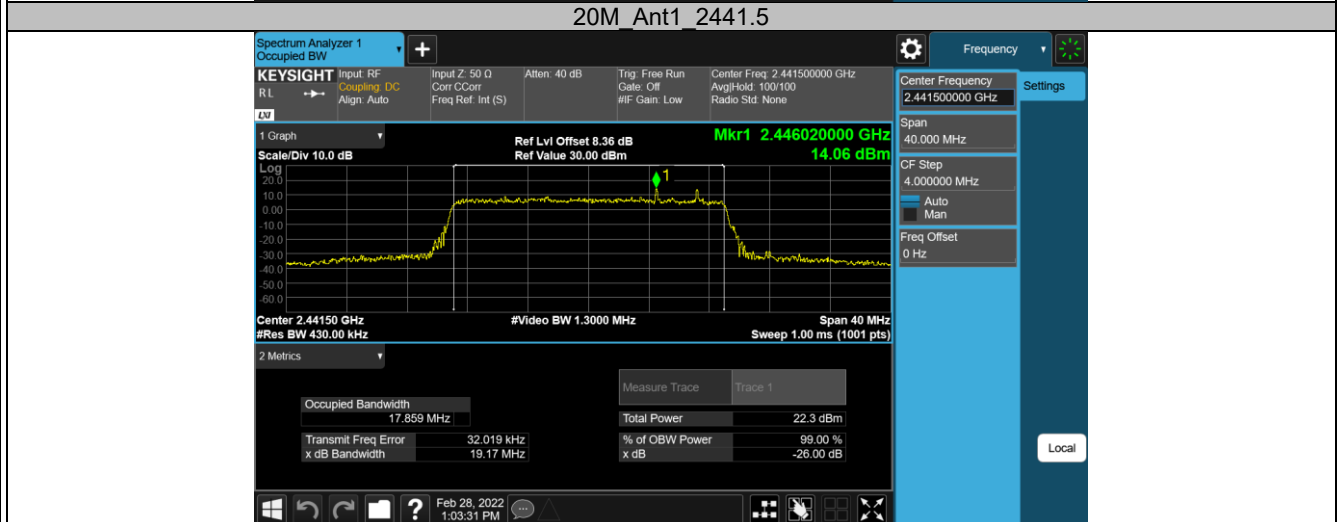
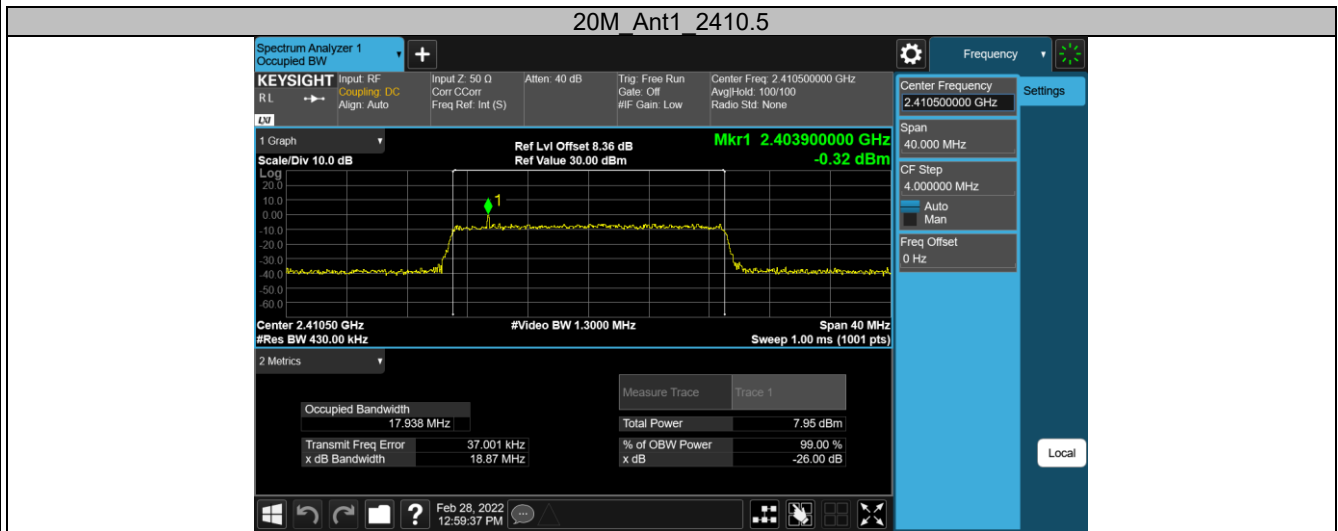
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	2405.5	8.9912	2401.025	2410.016	---	---
		2440.5	9.0297	2436.005	2445.035	---	---
		2476.5	9.0377	2471.989	2481.027	---	---



2.4GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	2410.5	17.938	2401.568	2419.506	---	---
		2441.5	17.859	2432.603	2450.462	---	---
		2472.5	18.020	2463.546	2481.566	---	---

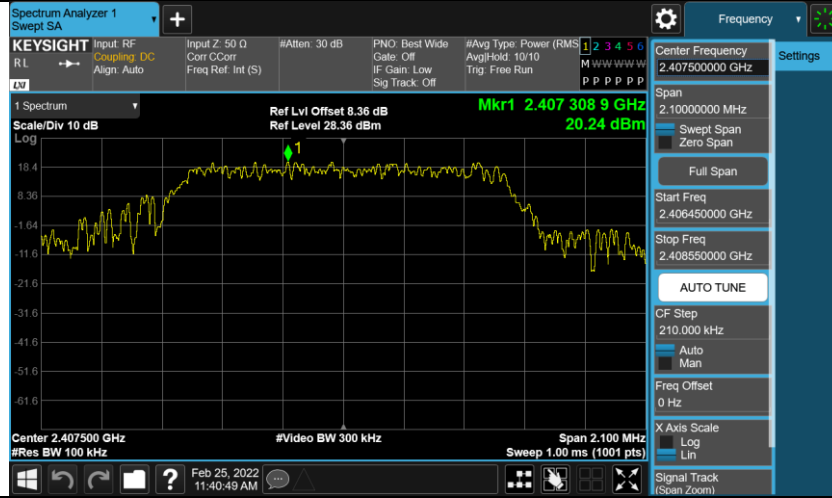


Appendix C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

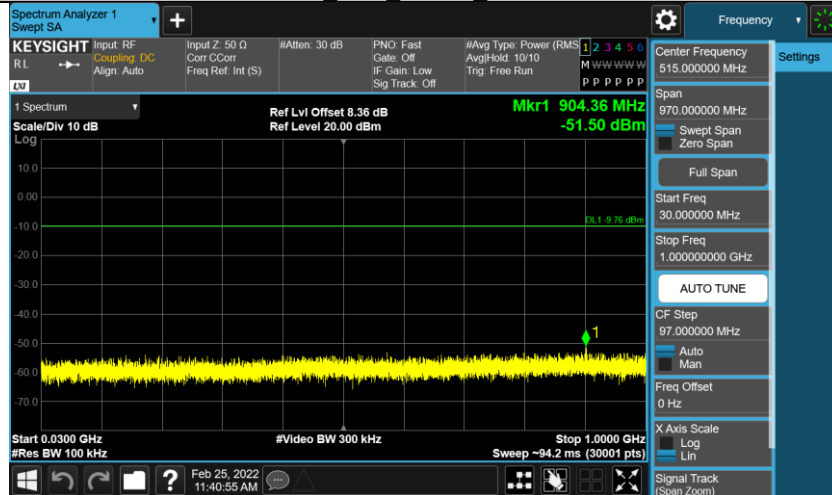
2.4GHz SDR, 1.4MHz BW

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
1.4M	Ant1	2407.5	Reference	20.24	20.24	---	PASS
			30~1000	20.24	-51.5	≤-9.76	PASS
			1000~26500	20.24	-42.95	≤-9.76	PASS
		2435.5	Reference	18.84	18.84	---	PASS
			30~1000	18.84	-52.01	≤-11.16	PASS
			1000~26500	18.84	-42.34	≤-11.16	PASS
		2465.5	Reference	18.67	18.67	---	PASS
			30~1000	18.67	-50.75	≤-11.33	PASS
			1000~26500	18.67	-40.64	≤-11.33	PASS

1.4M Ant1 2407.5 0~Reference



1.4M Ant1 2407.5 30~1000



1.4M Ant1 2407.5 1000~26500

