

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.520	2432.440	2441.960	0.5	PASS
		2462	9.040	2457.440	2466.480	0.5	PASS
11G	Ant1	2412	16.520	2403.720	2420.240	0.5	PASS
		2437	16.440	2428.760	2445.200	0.5	PASS
		2462	16.520	2453.680	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.600	2453.160	2470.760	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



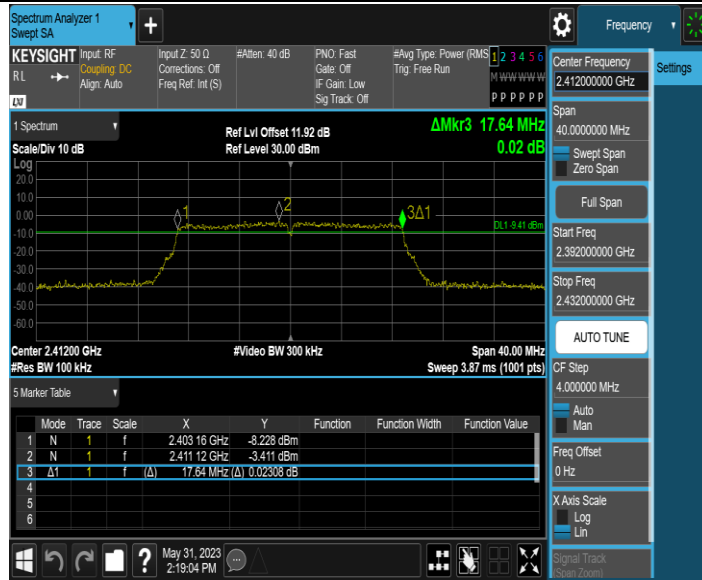
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



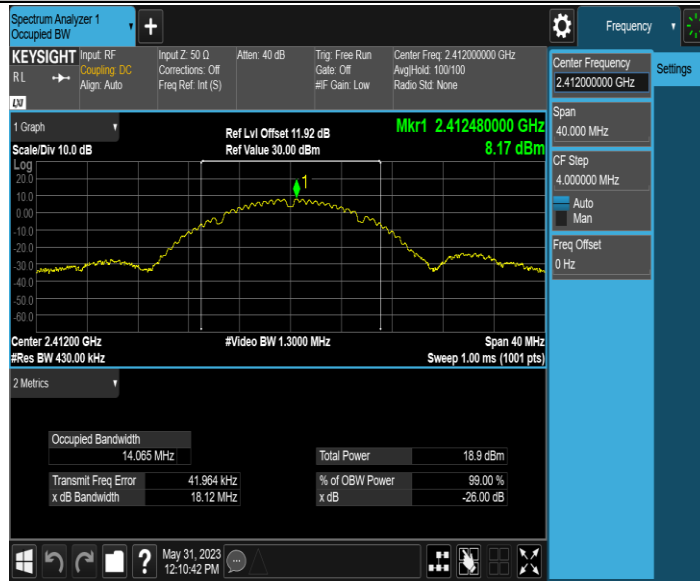
Appendix B: Occupied Channel Bandwidth

Test Result

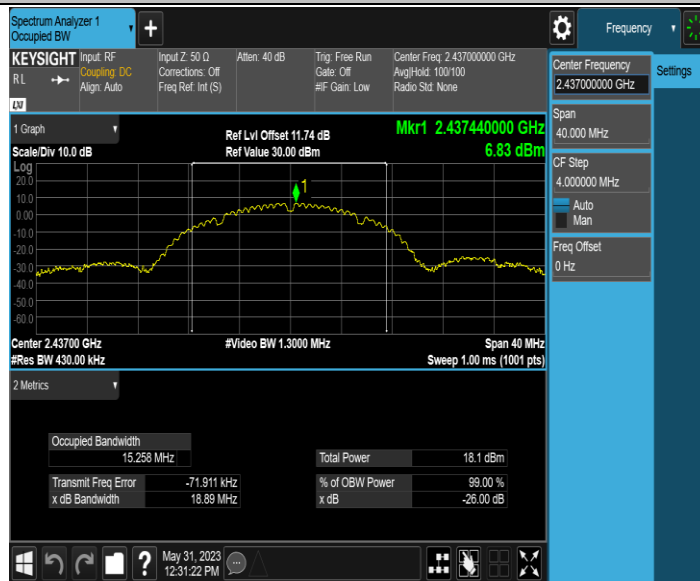
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.065	2405.0095	2419.0745	---	---
		2437	15.258	2429.2991	2444.5571	---	---
		2462	15.321	2454.2426	2469.5636	---	---
11G	Ant1	2412	17.039	2403.4755	2420.5145	---	---
		2437	17.017	2428.5016	2445.5186	---	---
		2462	16.933	2453.5246	2470.4576	---	---
11N20SISO	Ant1	2412	17.810	2403.0799	2420.8899	---	---
		2437	17.838	2428.0866	2445.9246	---	---
		2462	17.787	2453.0766	2470.8636	---	---

Test Graphs

11B_Ant1_2412



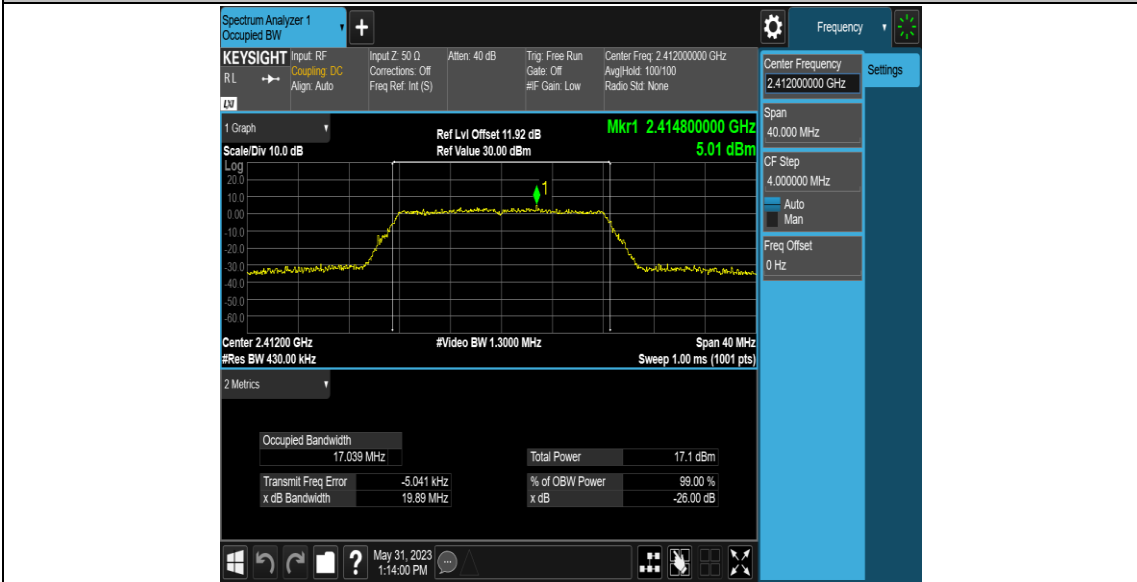
11B_Ant1_2437



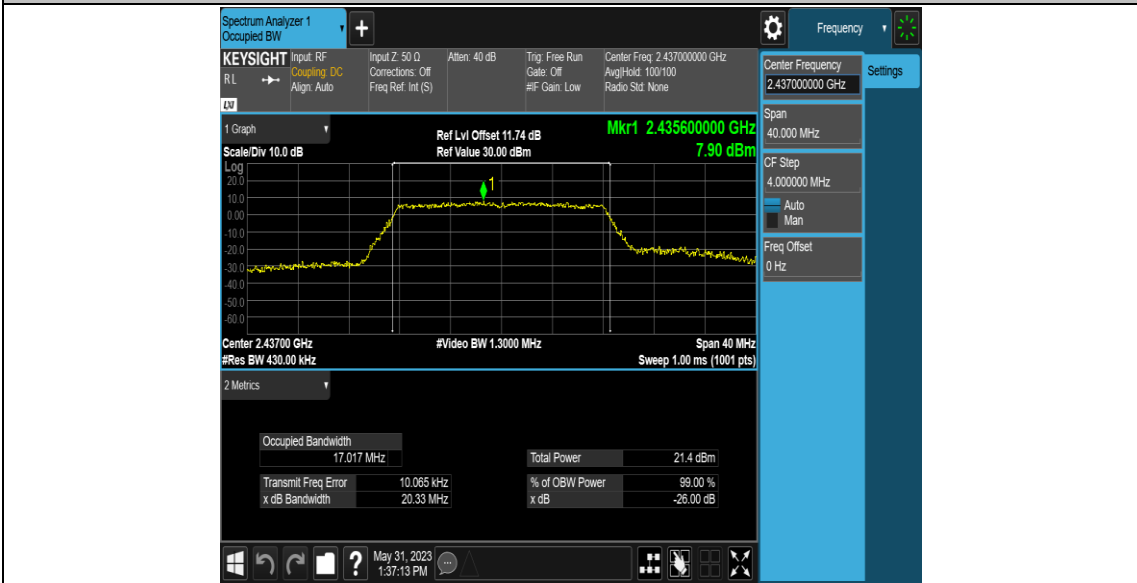
11B_Ant1_2462



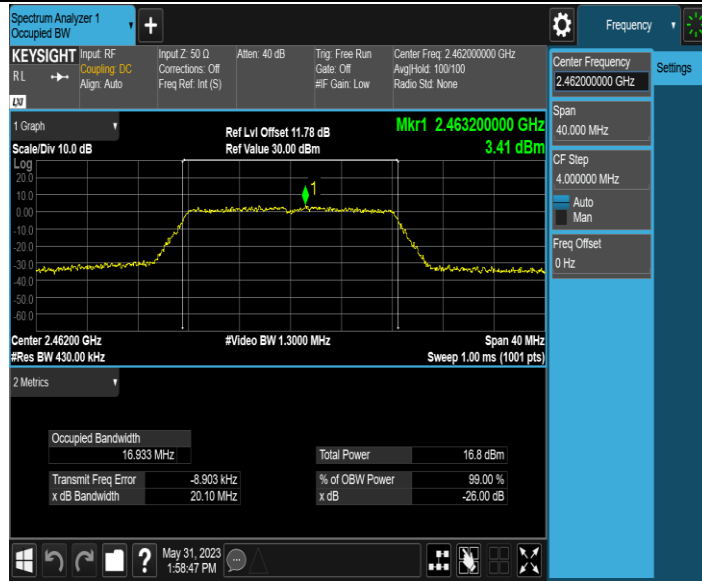
11G_Ant1_2412



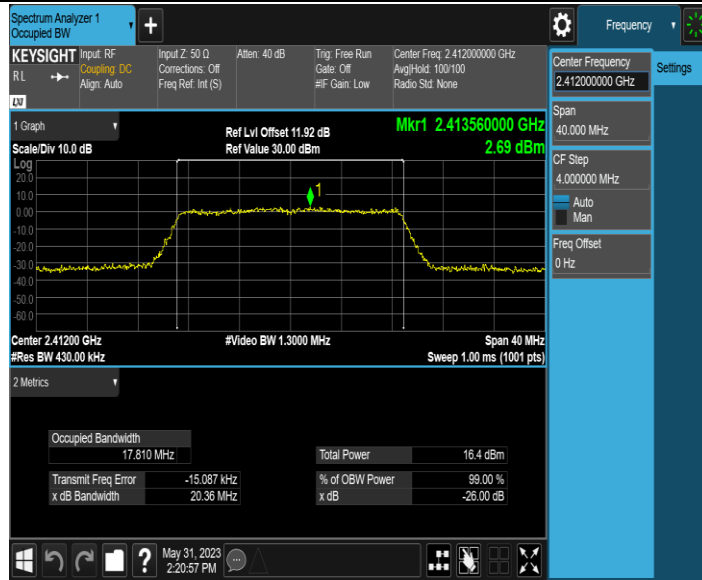
11G_Ant1_2437



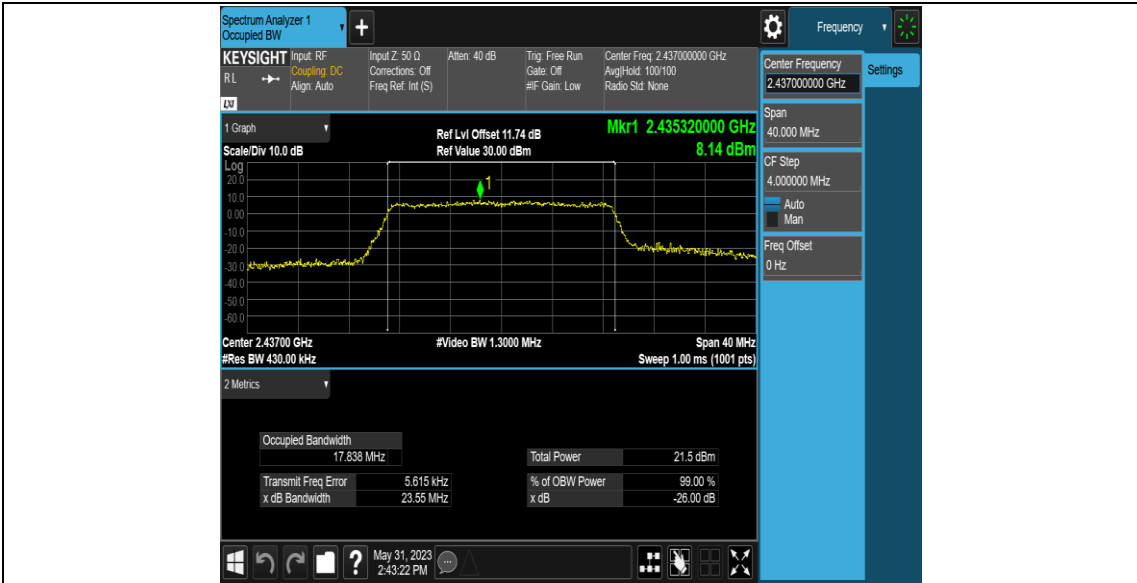
11G_Ant1_2462



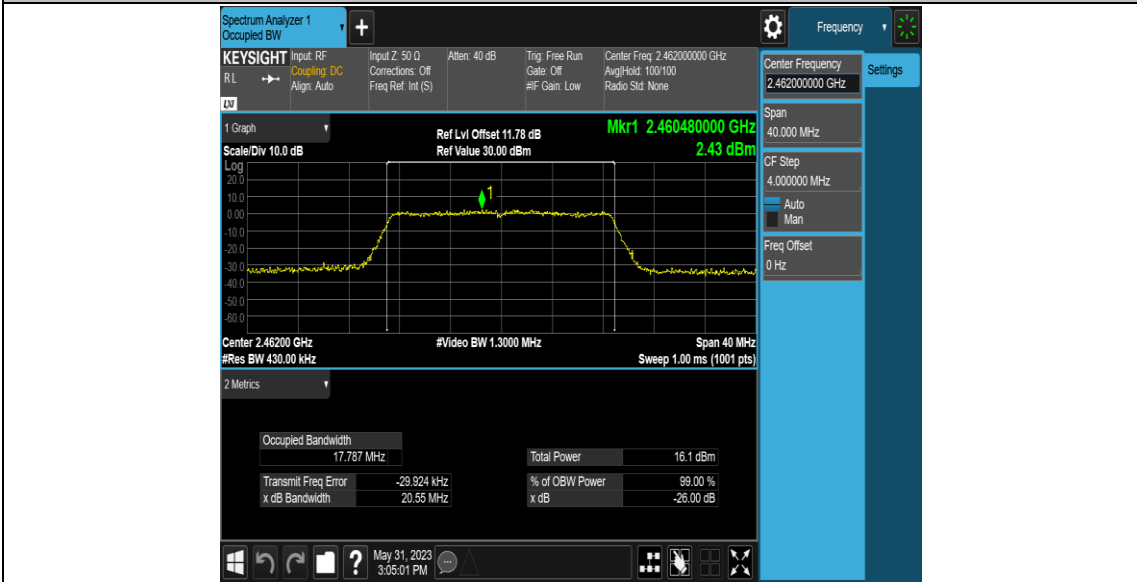
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

RS916AC0 Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	16.17	≤30.00	18.97	≤36.00	PASS
		2437	15.60	≤30.00	18.40	≤36.00	PASS
		2462	15.43	≤30.00	18.23	≤36.00	PASS
11G	Ant1	2412	11.18	≤30.00	13.98	≤36.00	PASS
		2437	15.46	≤30.00	18.26	≤36.00	PASS
		2462	11.12	≤30.00	13.92	≤36.00	PASS
11N20SIS O	Ant1	2412	10.26	≤30.00	13.06	≤36.00	PASS
		2437	15.46	≤30.00	18.26	≤36.00	PASS
		2462	10.20	≤30.00	13.00	≤36.00	PASS

RS916AC1 Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	15.75	≤30.00	17.41	≤36.00	PASS
		2437	15.93	≤30.00	17.59	≤36.00	PASS
		2462	16.87	≤30.00	18.53	≤36.00	PASS
11G	Ant1	2412	10.47	≤30.00	12.13	≤36.00	PASS
		2437	15.69	≤30.00	17.35	≤36.00	PASS
		2462	12.95	≤30.00	14.61	≤36.00	PASS
11N20SIS O	Ant1	2412	9.49	≤30.00	11.15	≤36.00	PASS
		2437	15.64	≤30.00	17.30	≤36.00	PASS
		2462	12.87	≤30.00	14.53	≤36.00	PASS

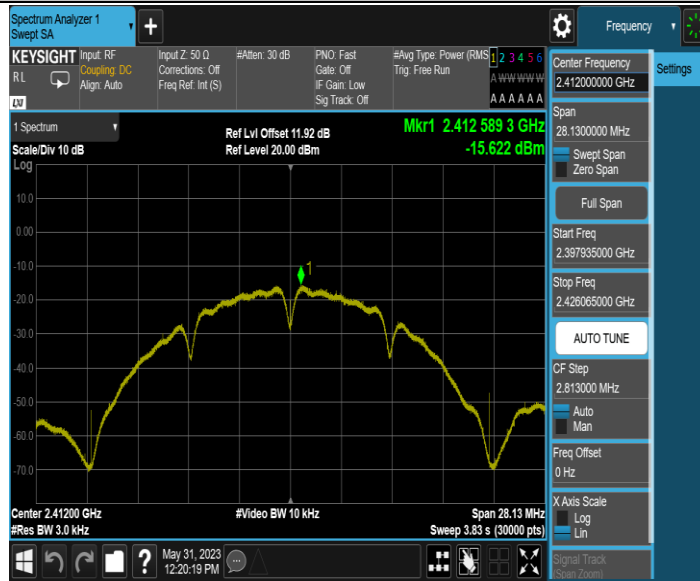
Appendix D: Maximum power spectral density

Test Result

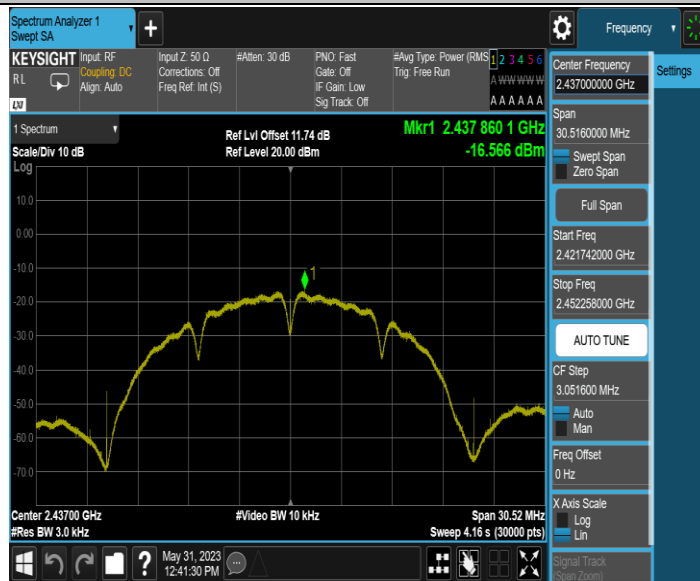
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.62	≤8.00	PASS
		2437	-16.57	≤8.00	PASS
		2462	-16.64	≤8.00	PASS
11G	Ant1	2412	-18.62	≤8.00	PASS
		2437	-14.81	≤8.00	PASS
		2462	-18.34	≤8.00	PASS
11N20SISO	Ant1	2412	-18.89	≤8.00	PASS
		2437	-13.46	≤8.00	PASS
		2462	-20.28	≤8.00	PASS

Test Graphs

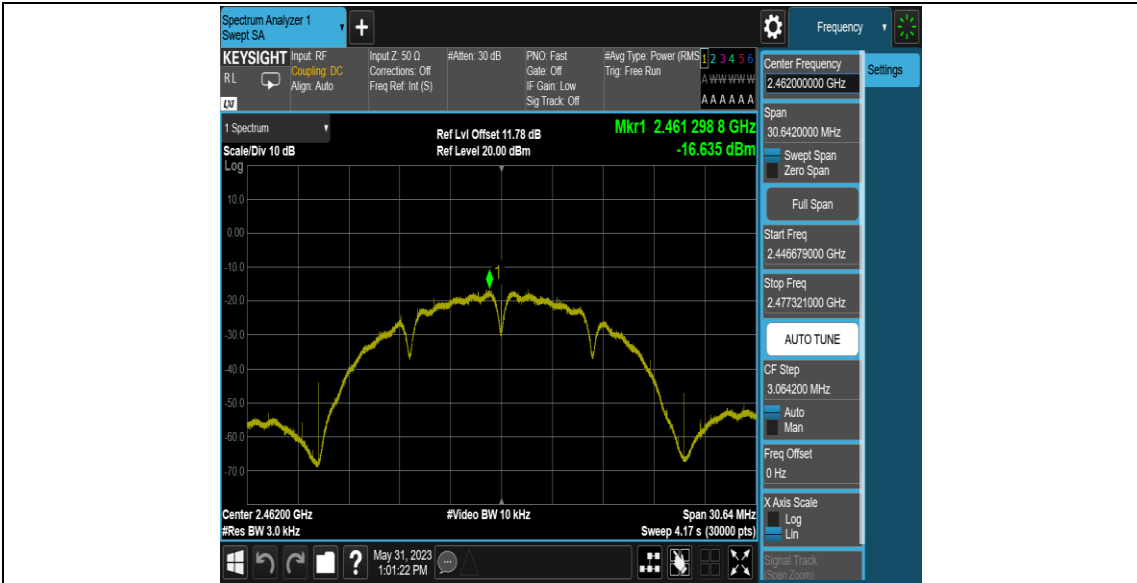
11B_Ant1_2412



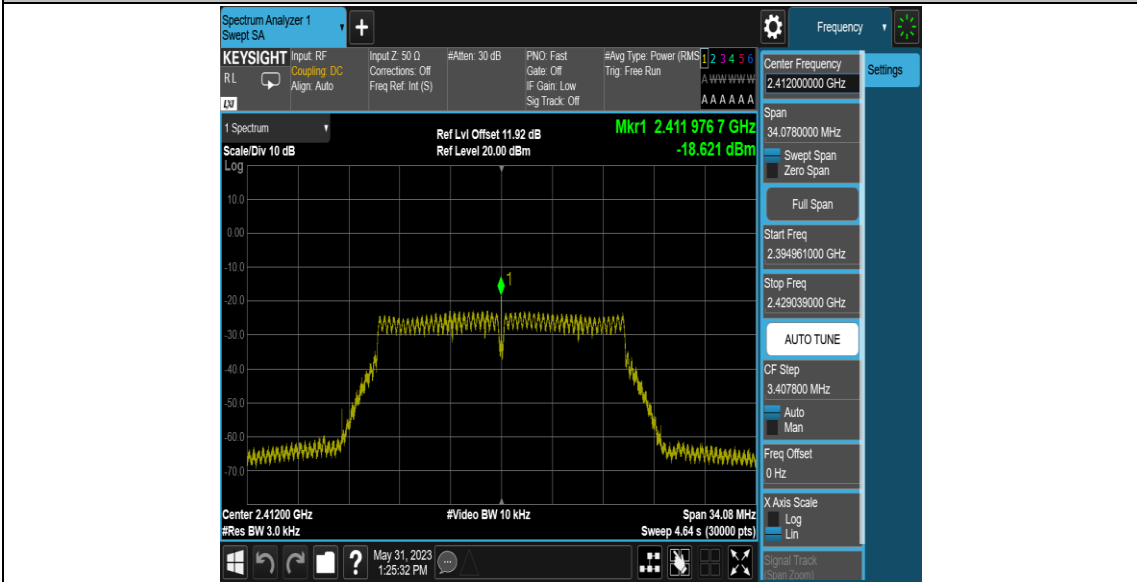
11B_Ant1_2437



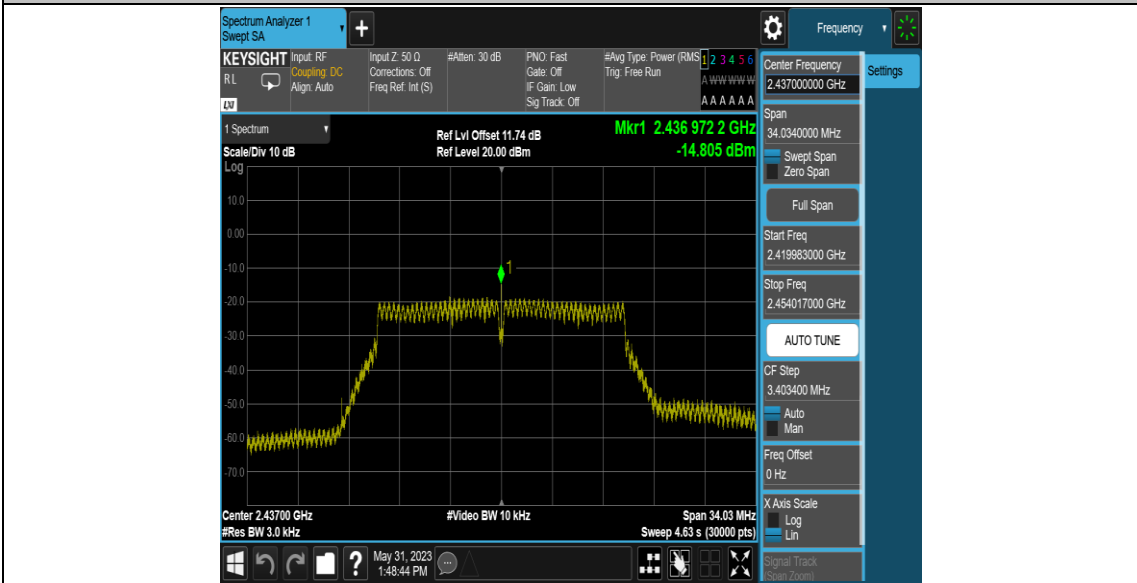
11B_Ant1_2462



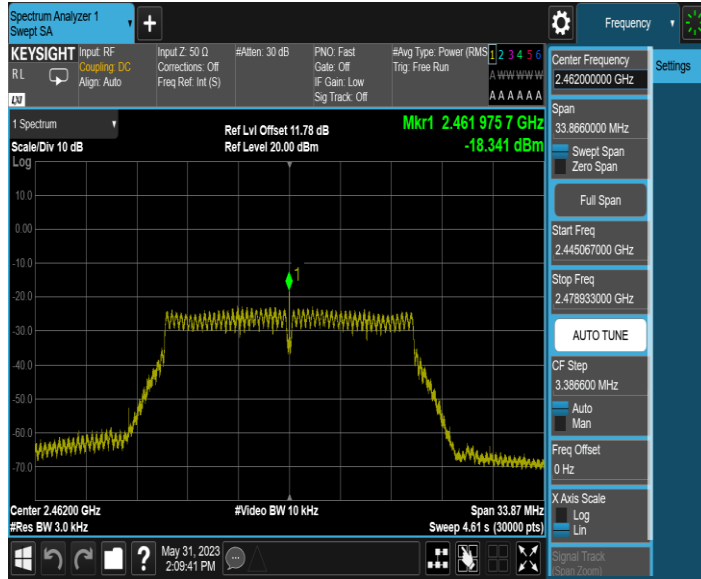
11G_Ant1_2412



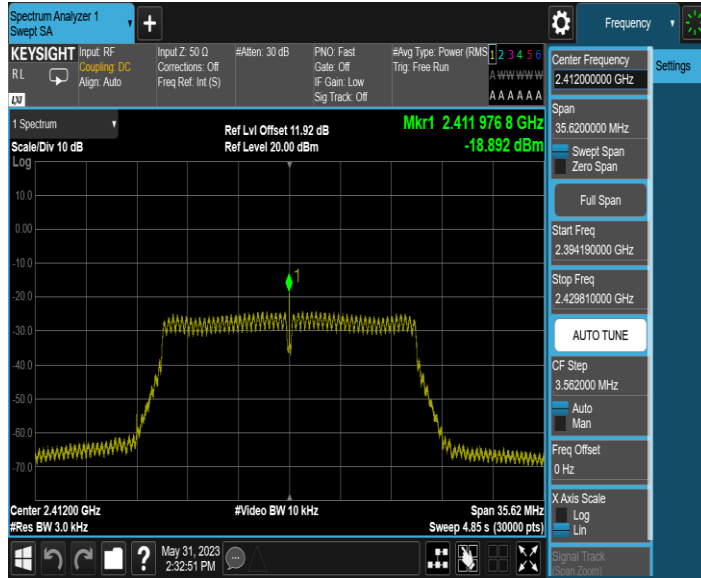
11G_Ant1_2437



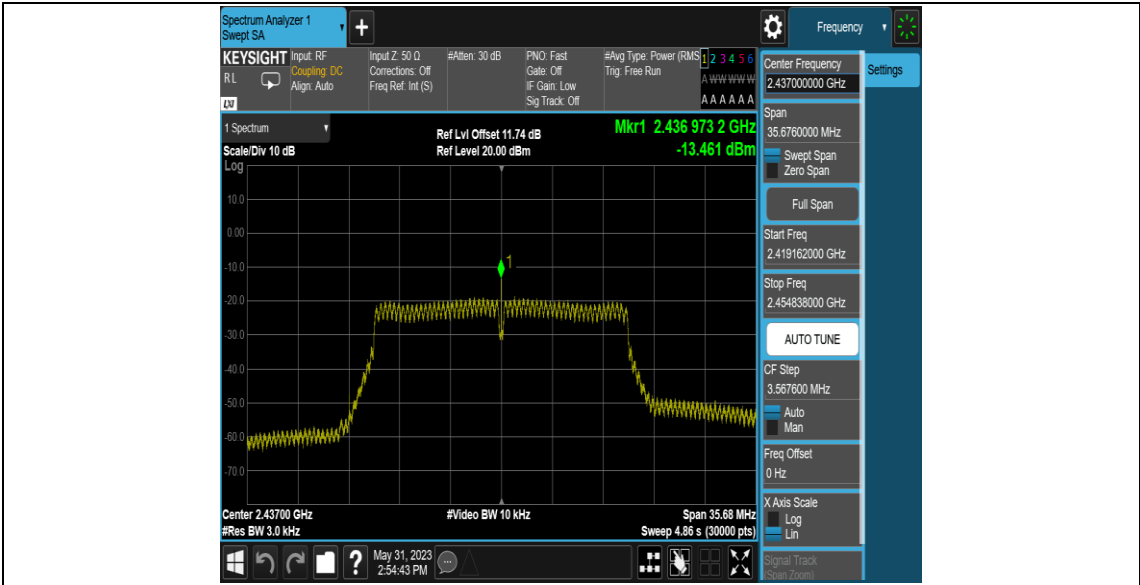
11G_Ant1_2462



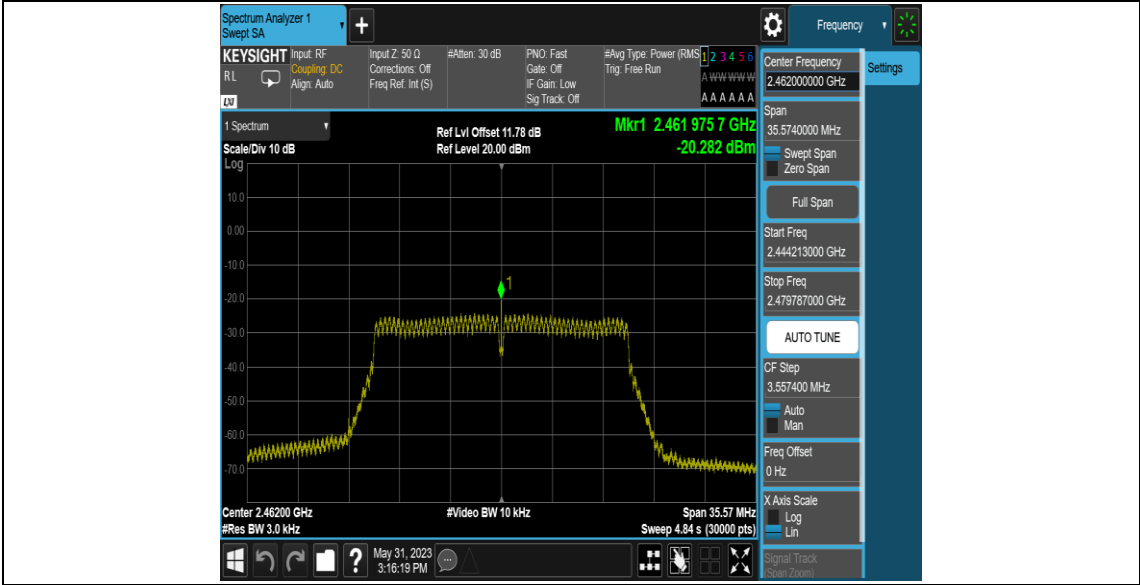
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



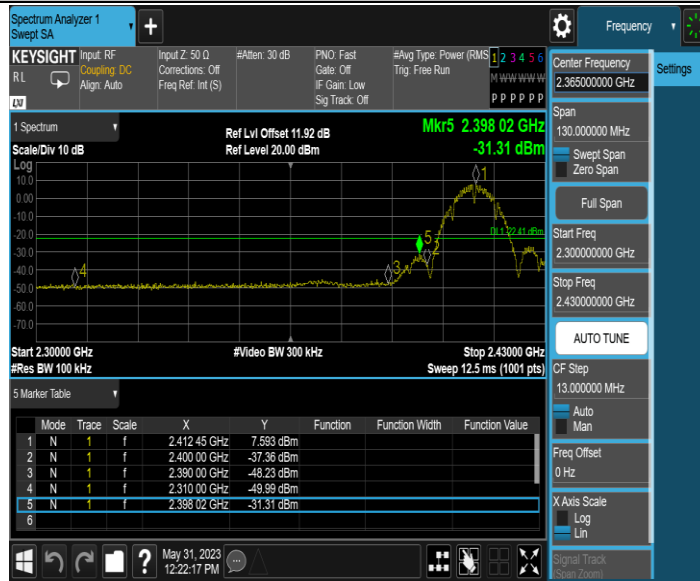
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.59	-31.31	≤-22.41	PASS
		High	2462	6.41	-45.71	≤-23.59	PASS
11G	Ant1	Low	2412	-1.84	-37.06	≤-31.84	PASS
		High	2462	-2.47	-44.69	≤-32.47	PASS
11N20SISO	Ant1	Low	2412	-2.87	-37.32	≤-32.87	PASS
		High	2462	-3.14	-45.56	≤-33.14	PASS

Test Graphs

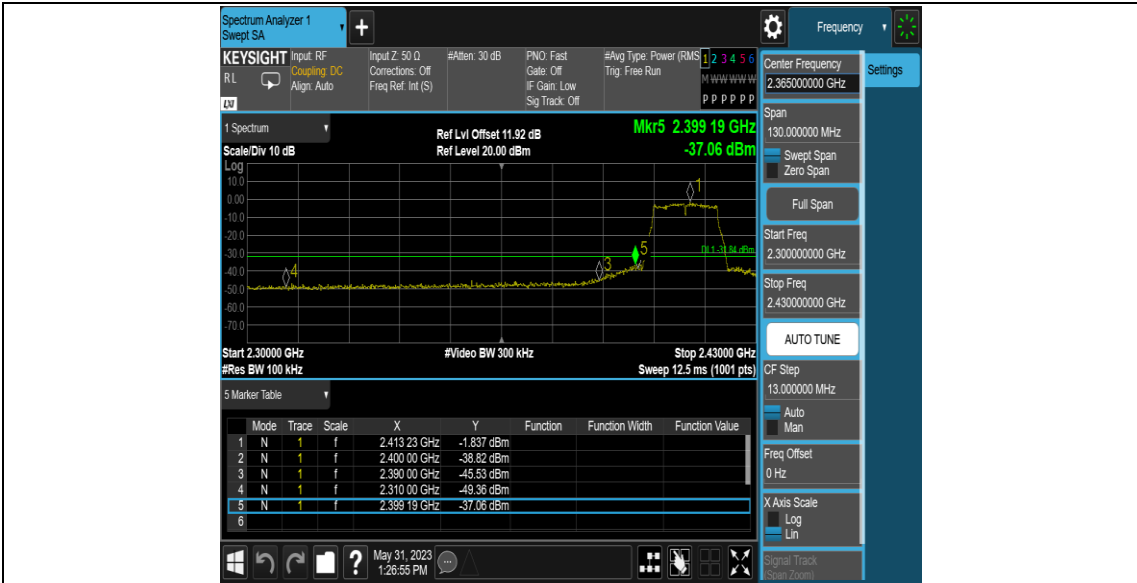
11B_Ant1_Low_2412



11B_Ant1_High_2462



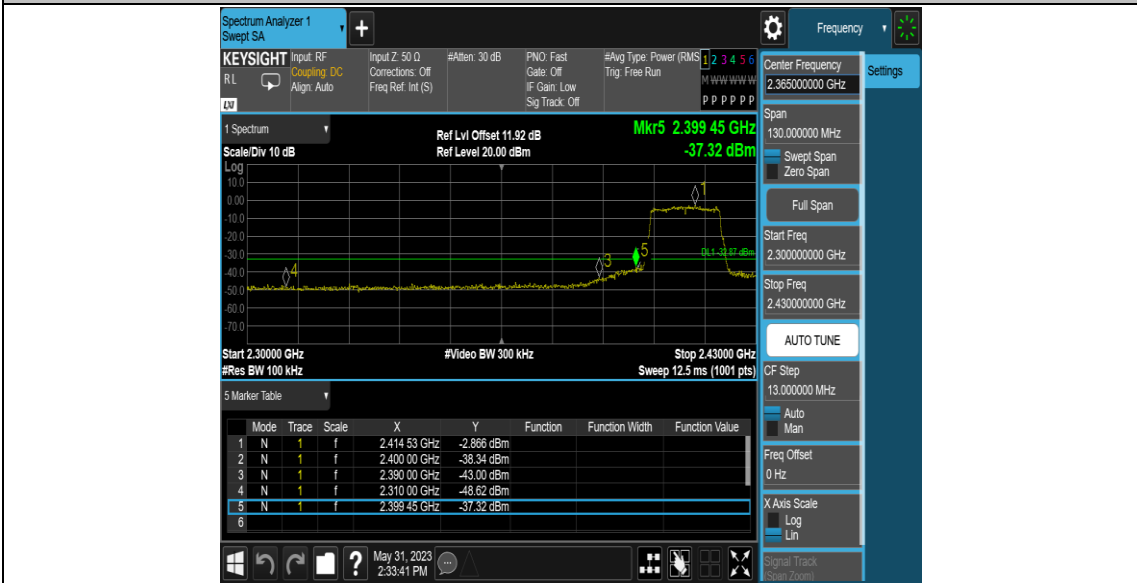
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 30 dB FNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 R.L. Coupling DC Corrections: Off Gate: Off Trng: Free Run M W W W W W
 Align: Auto Freq Ref: Int (S) IF Gain: Low Sig Track: Off P P P P P P

Ref Lvl Offset 11.78 dB **Mkr4 2.483 56 GHz**
 Scale/Div 10 dB Ref Level 20.00 dBm **-45.56 dBm**

Start 2.44000 GHz #Video BW 300 kHz Stop 2.55000 GHz
 #Res BW 100 kHz Sweep 10.5 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	2.462 88 GHz	-3.142 dBm			
2	N	f	2.483 50 GHz	-46.18 dBm			
3	N	f	2.500 00 GHz	-47.23 dBm			
4	N	f	2.483 56 GHz	-45.56 dBm			
5							
6							

Center Frequency: 2.495000000 GHz
 Span: 110.000000 MHz
 Start Freq: 2.440000000 GHz
 Stop Freq: 2.550000000 GHz
 AUTO TUNE
 CF Step: 11.000000 MHz
 X Axis Scale: Log
 Signal Track: Saw Zvnm1

May 31, 2023 3:18:17 PM