

Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: smart phone

Trade Mark: YEZZ

Test Model: MAX 3 PLUS

FCC ID: 2APW4MAX3P

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

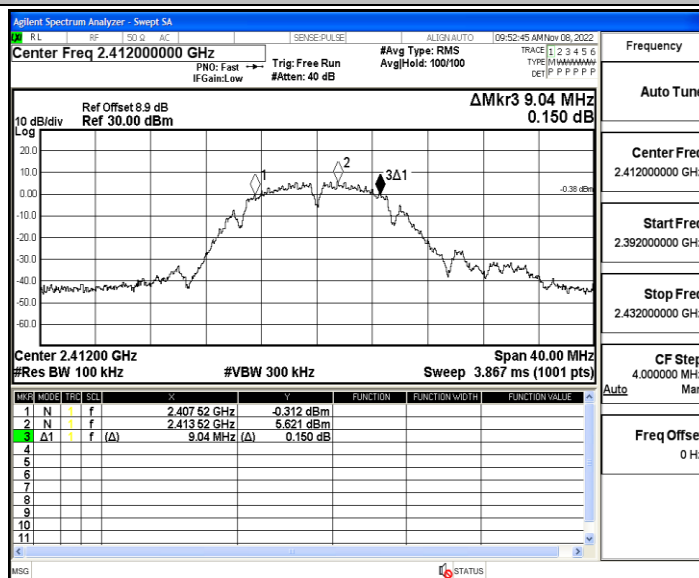
Appendix A: DTS Bandwidth

Test Result

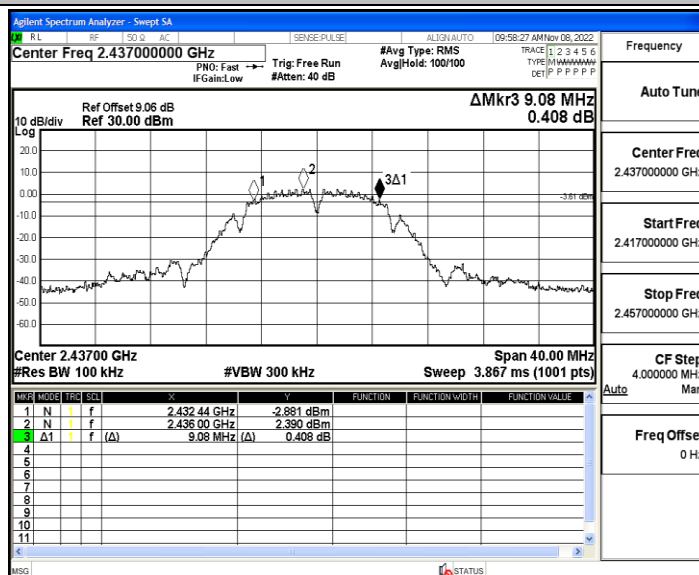
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.520	2416.560	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.000	2457.480	2466.480	0.5	PASS
11G	Ant1	2412	16.160	2404.000	2420.160	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.080	2404.440	2420.520	0.5	PASS
		2437	17.640	2428.160	2445.800	0.5	PASS
		2462	15.960	2453.560	2469.520	0.5	PASS

Test Graphs

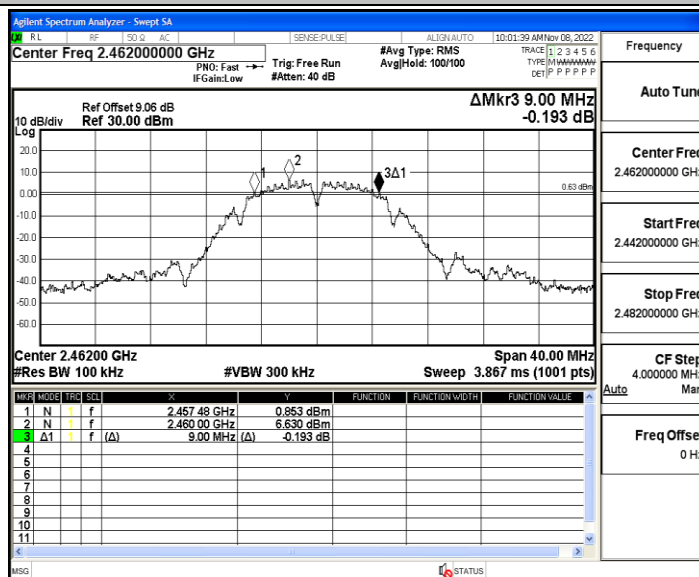
11B_Ant1_2412



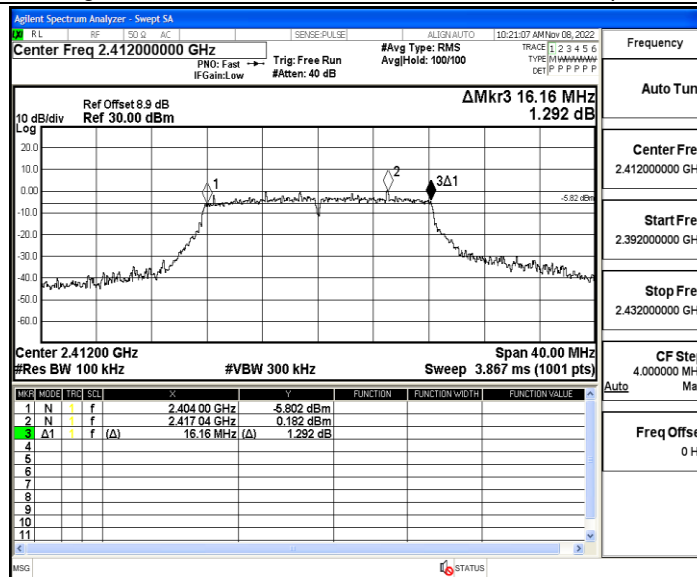
11B_Ant1_2437



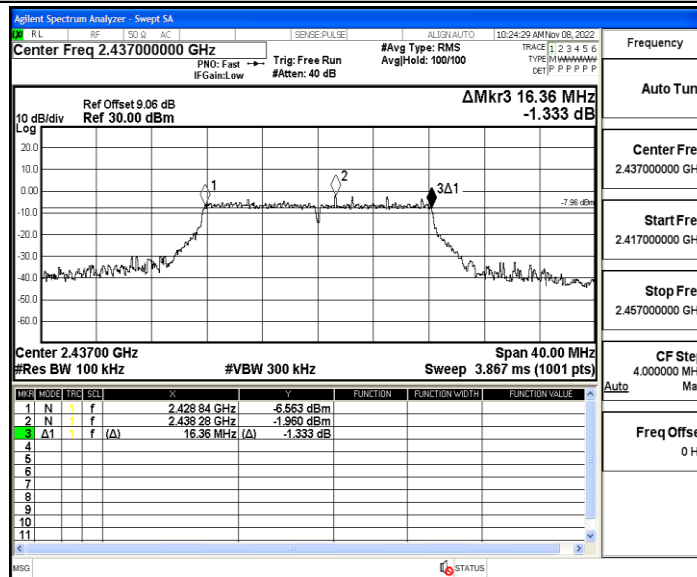
11B_Ant1_2462



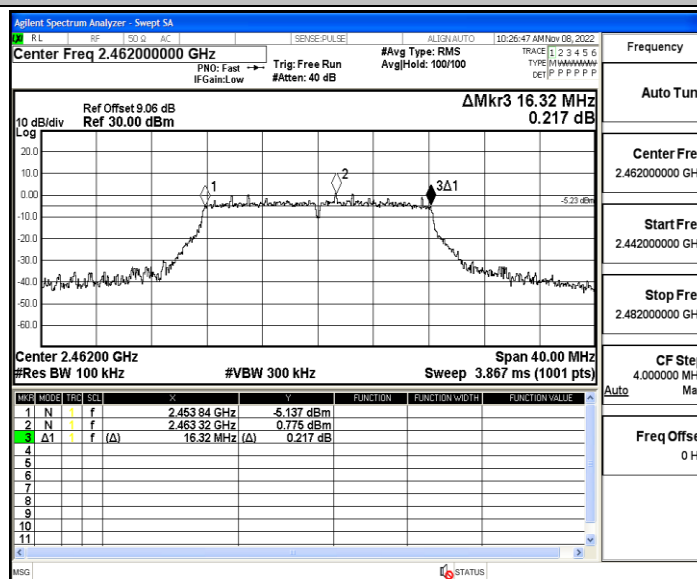
11G_Ant1_2412



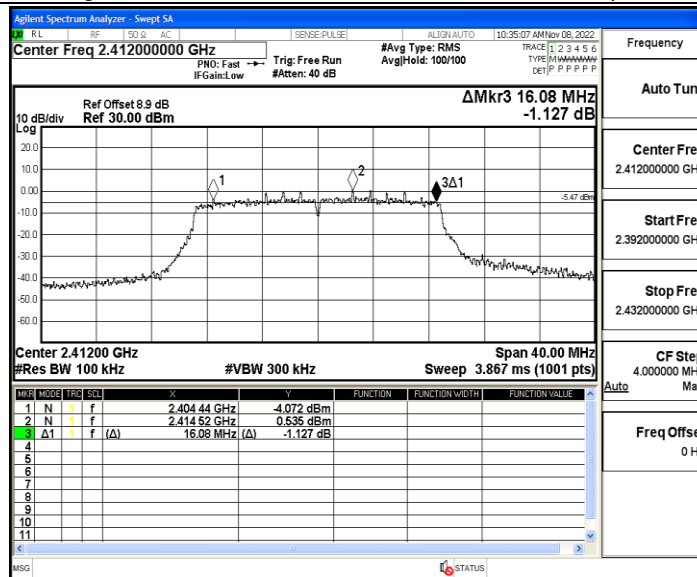
11G_Ant1_2437



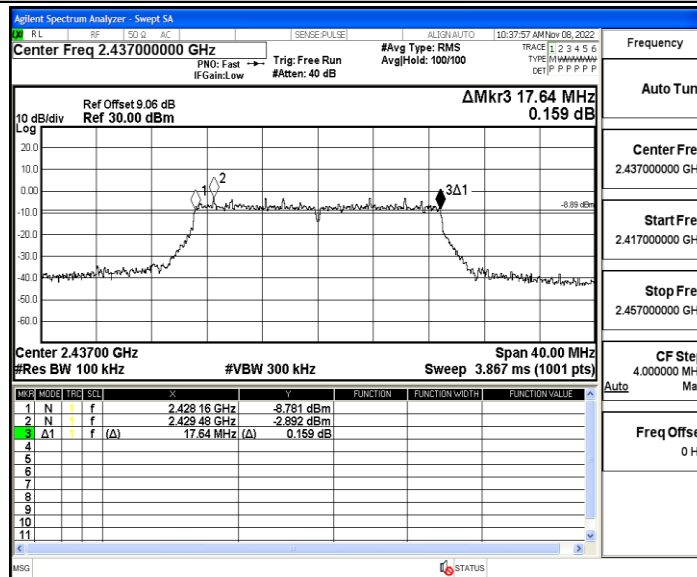
11G_Ant1_2462



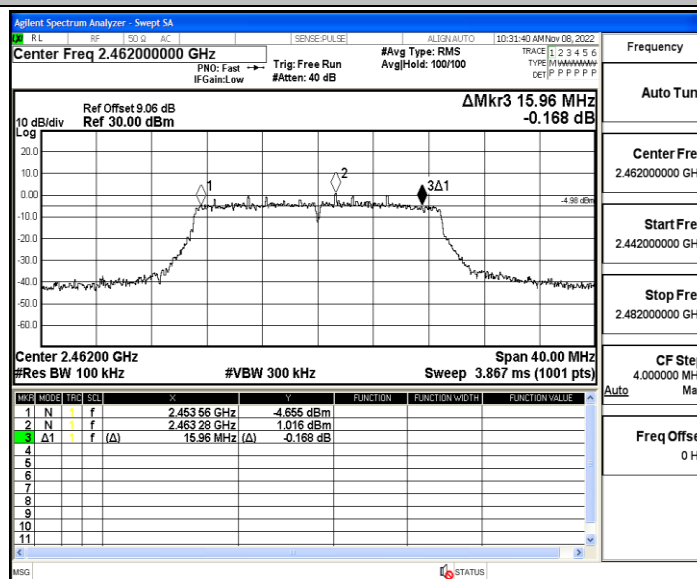
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



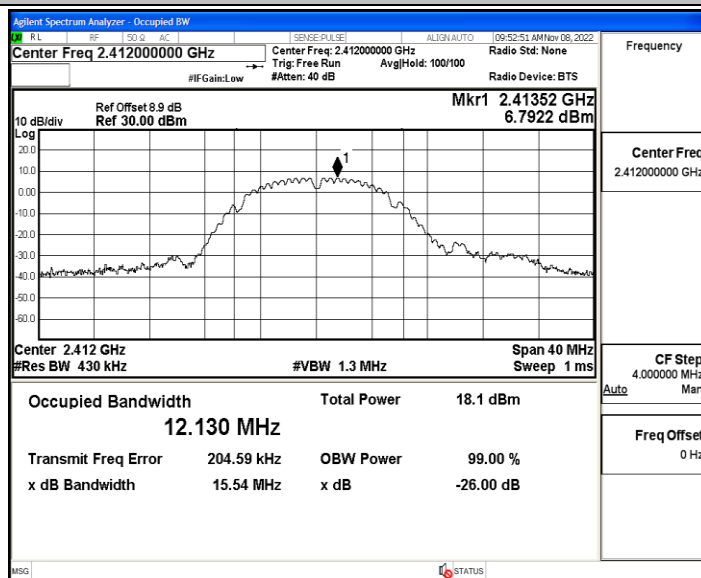
Appendix B: Occupied Channel Bandwidth

Test Result

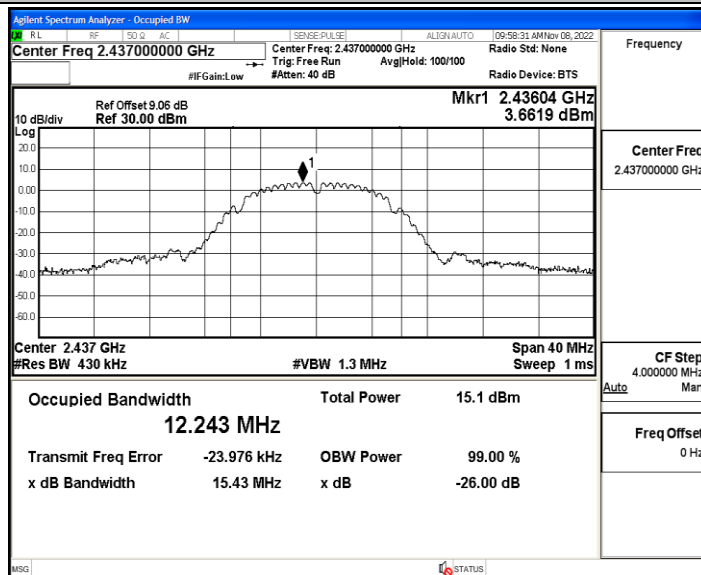
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.130	2406.1396	2418.2696	---	---
		2437	12.243	2430.8545	2443.0975	---	---
		2462	12.099	2455.9954	2468.0944	---	---
11G	Ant1	2412	17.076	2403.5486	2420.6246	---	---
		2437	17.574	2428.1575	2445.7315	---	---
		2462	17.070	2453.4227	2470.4927	---	---
11N20SISO	Ant1	2412	17.900	2403.1852	2421.0852	---	---
		2437	18.308	2427.8149	2446.1229	---	---
		2462	17.936	2453.0615	2470.9975	---	---

Test Graphs

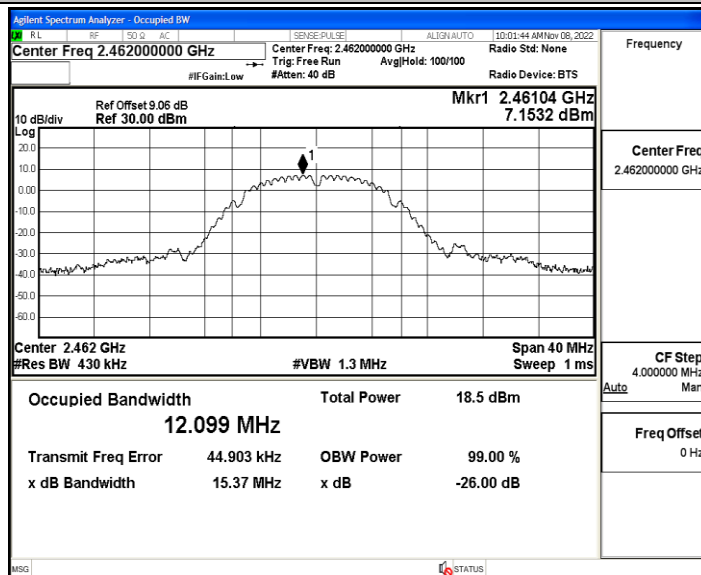
11B_Ant1_2412



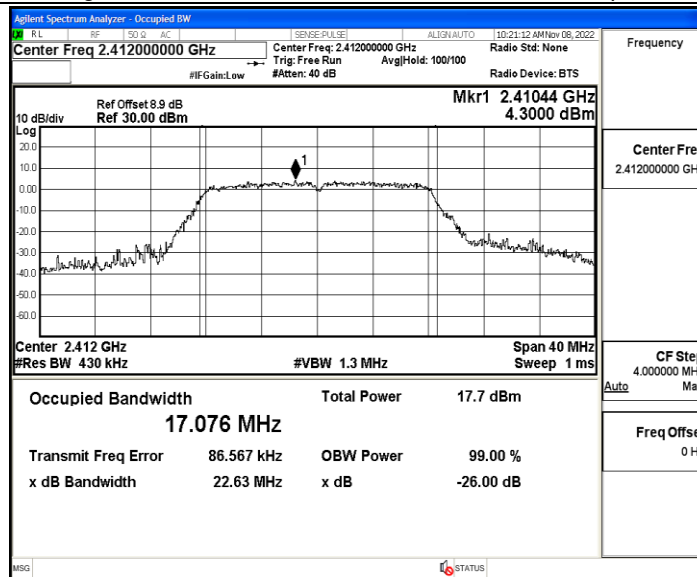
11B_Ant1_2437



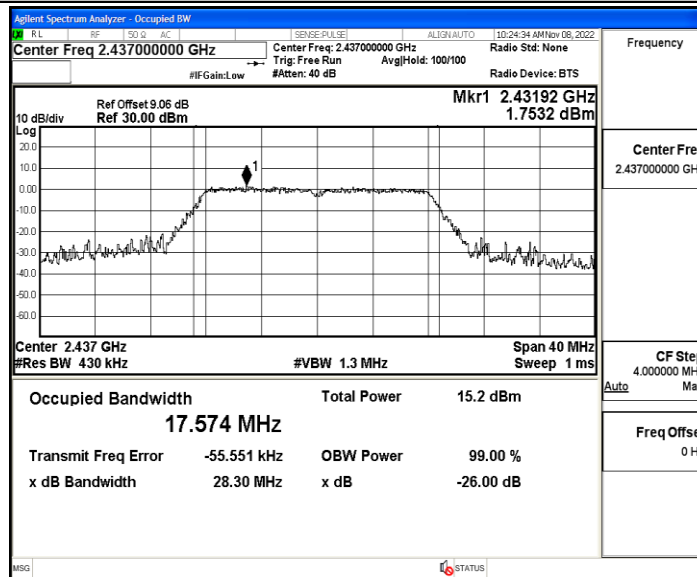
11B_Ant1_2462



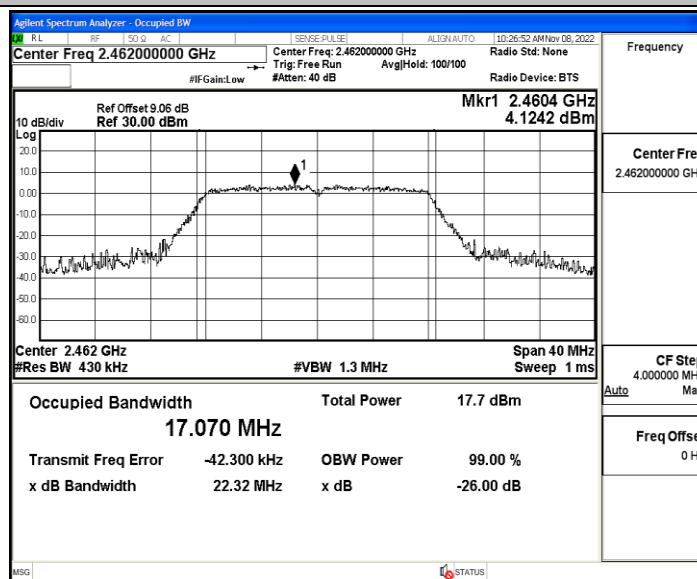
11G_Ant1_2412



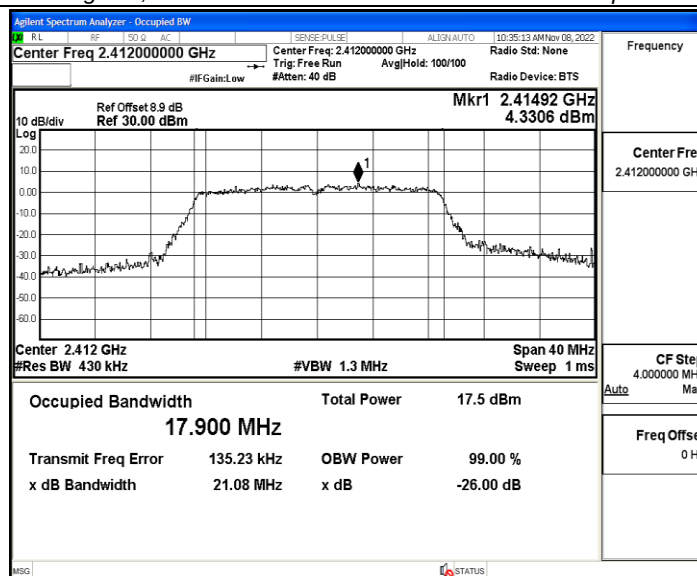
11G_Ant1_2437



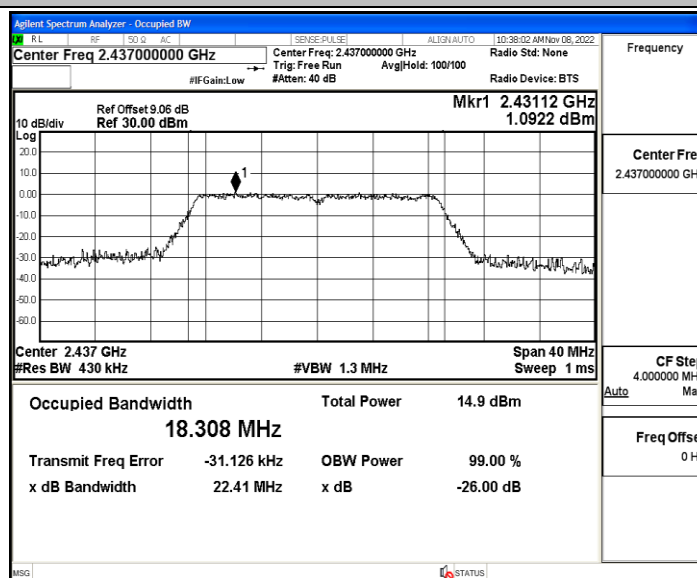
11G_Ant1_2462



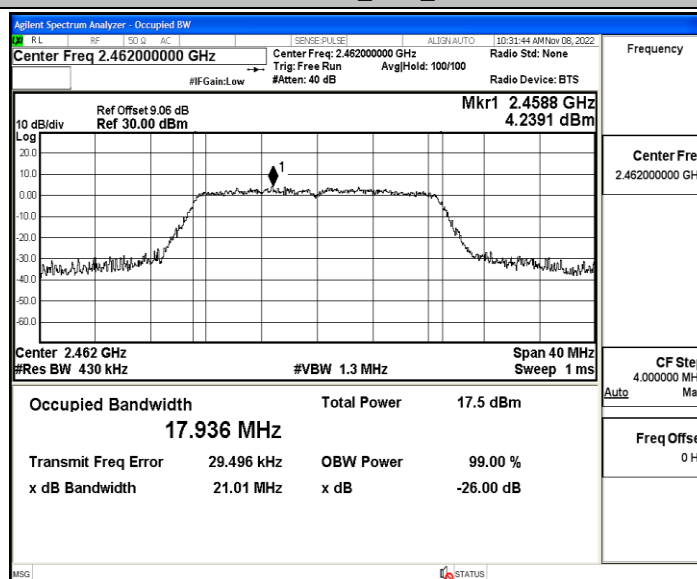
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.22	≤30.00	PASS
		2437	12.13	≤30.00	PASS
		2462	15.56	≤30.00	PASS
11G	Ant1	2412	11.78	≤30.00	PASS
		2437	9.28	≤30.00	PASS
		2462	11.86	≤30.00	PASS
11N20SISO	Ant1	2412	11.32	≤30.00	PASS
		2437	8.84	≤30.00	PASS
		2462	11.45	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the test result.

Appendix D: Maximum power spectral density

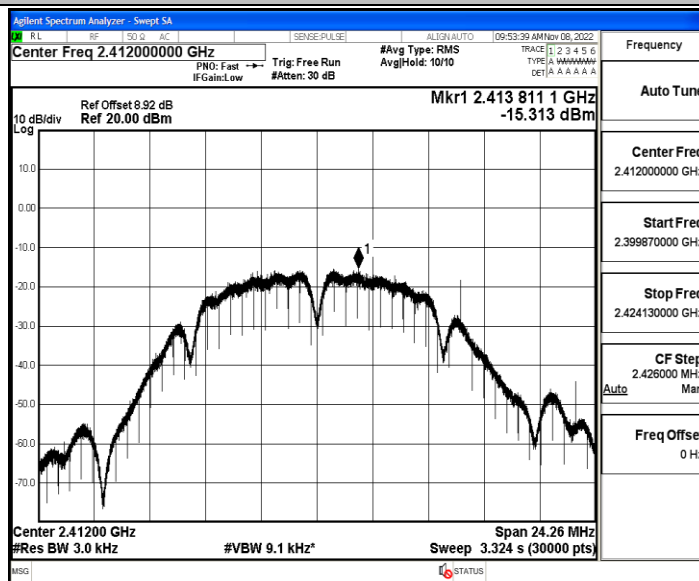
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.31	≤8.00	PASS
		2437	-18.8	≤8.00	PASS
		2462	-2.57	≤8.00	PASS
11G	Ant1	2412	-19.24	≤8.00	PASS
		2437	-22.36	≤8.00	PASS
		2462	-19.52	≤8.00	PASS
11N20SISO	Ant1	2412	-19.82	≤8.00	PASS
		2437	-23.01	≤8.00	PASS
		2462	-20.54	≤8.00	PASS

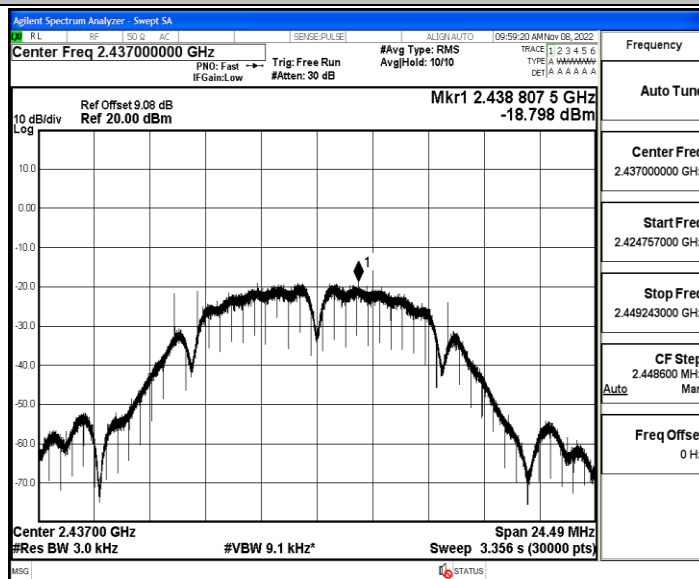
Note: The Duty Cycle Factor is compensated in the test result.

Test Graphs

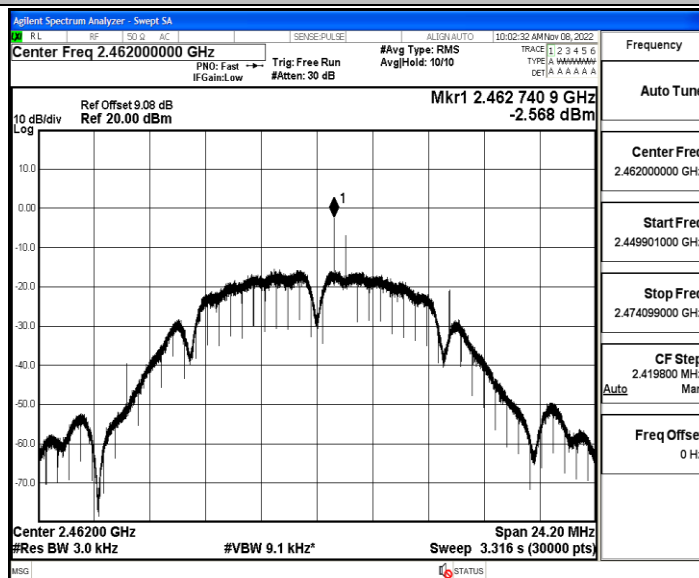
11B_Ant1_2412



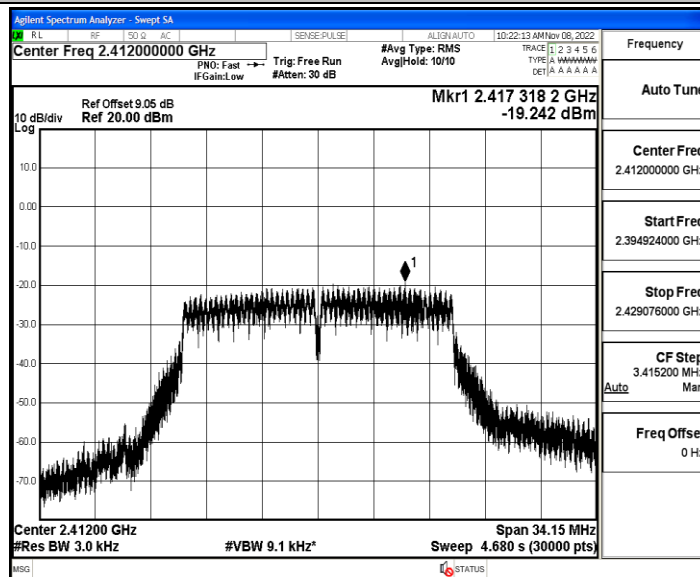
11B_Ant1_2437



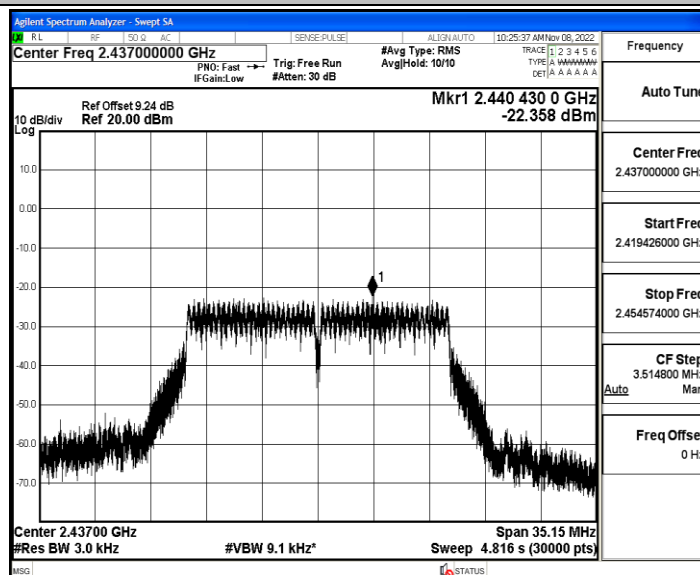
11B_Ant1_2462



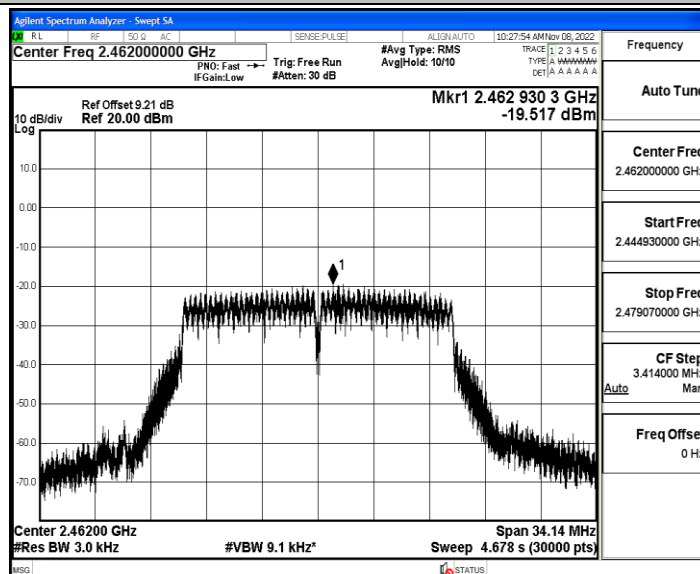
11G_Ant1_2412



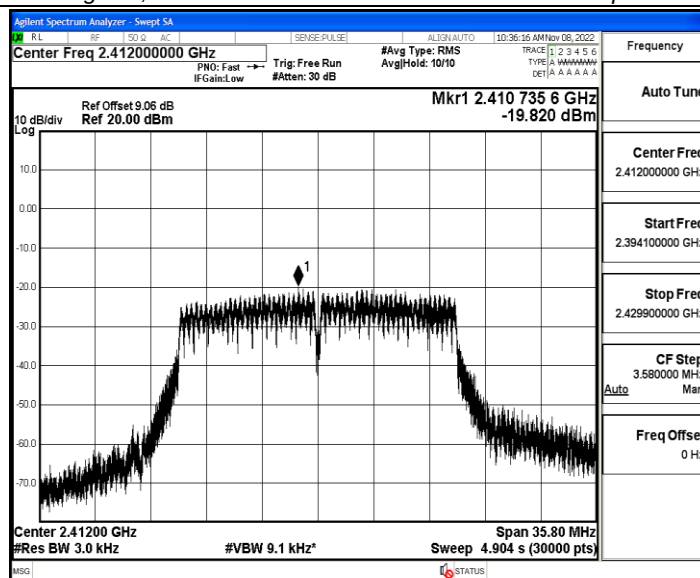
11G_Ant1_2437



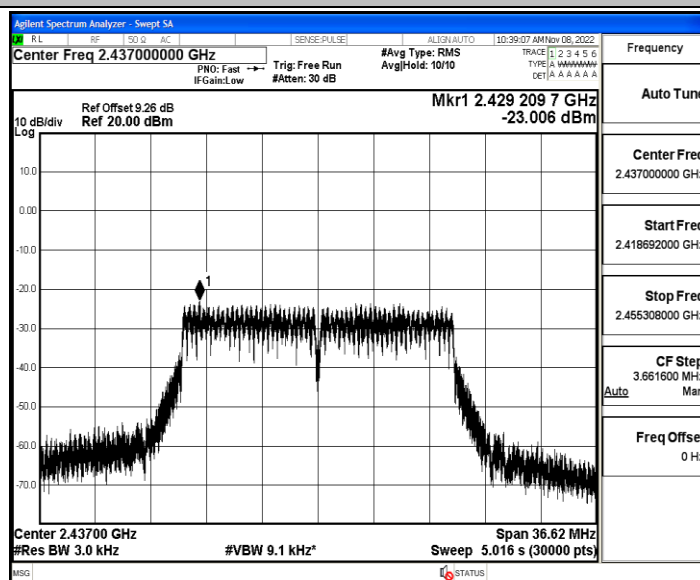
11G_Ant1_2462



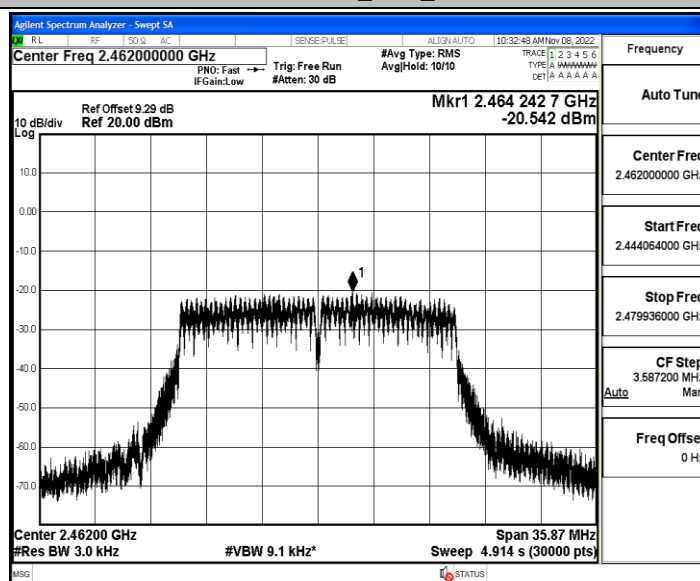
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



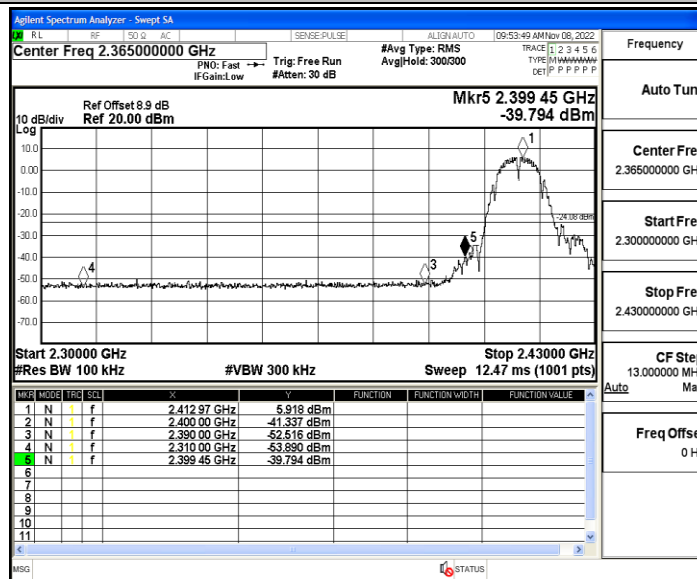
Appendix E: Band edge measurements

Test Result

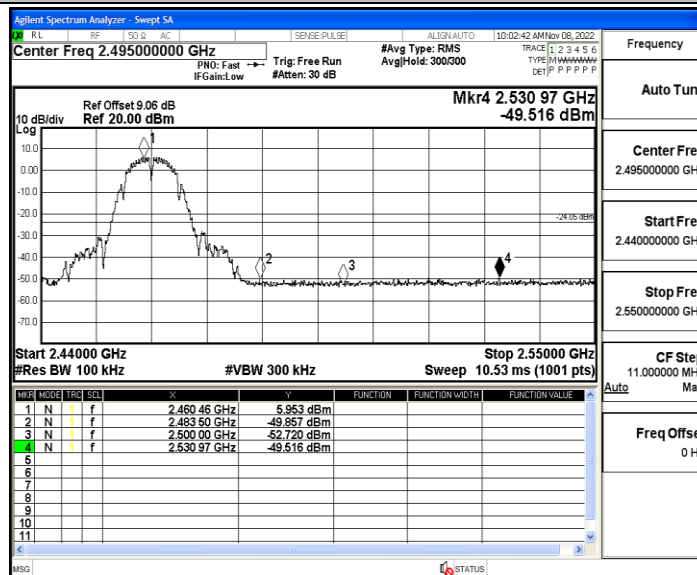
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.92	-39.79	≤-24.08	PASS
		High	2462	5.95	-49.52	≤-24.05	PASS
11G	Ant1	Low	2412	1.46	-34.45	≤-28.54	PASS
		High	2462	0.71	-46.74	≤-29.29	PASS
11N20SISO	Ant1	Low	2412	0.34	-39	≤-29.66	PASS
		High	2462	1.14	-46.66	≤-28.86	PASS

Test Graphs

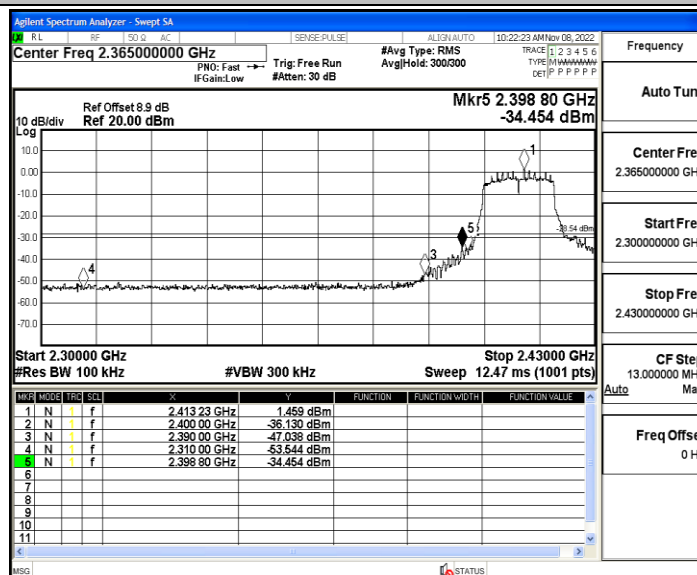
11B_Ant1_Low_2412



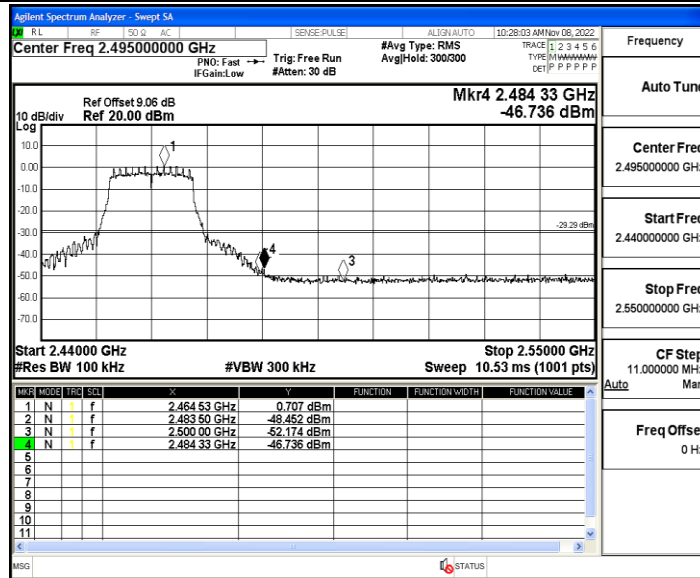
11B_Ant1_High_2462



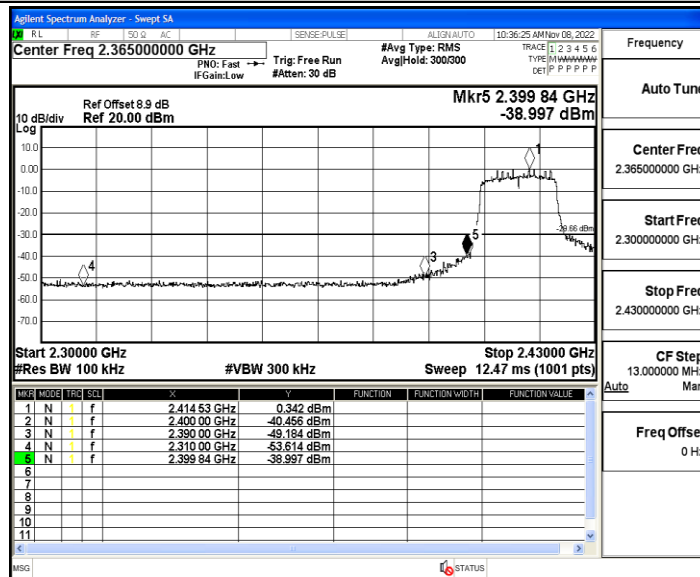
11G_Ant1_Low_2412



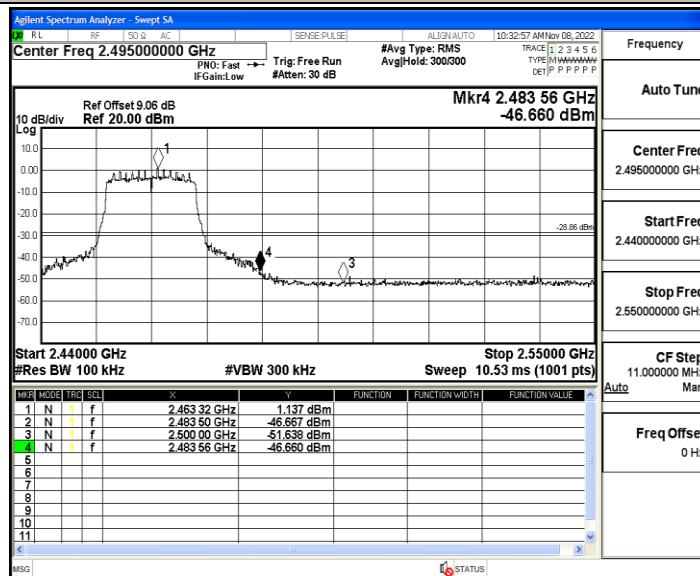
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



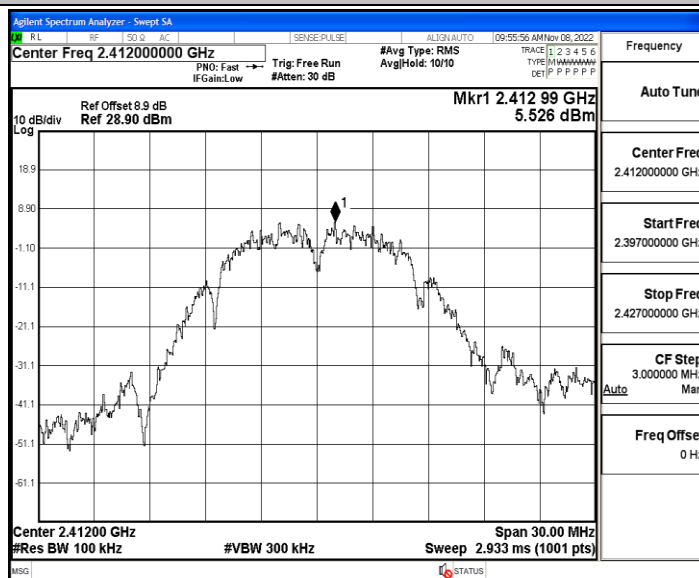
Appendix F: Conducted Spurious Emission

Test Result

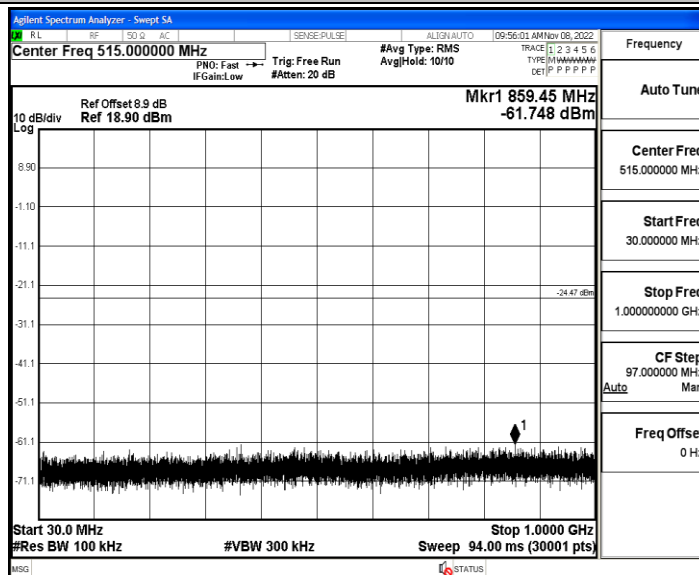
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.53	5.53	---	PASS
			30~1000	5.53	-61.75	≤-24.47	PASS
			1000~26500	5.53	-52.2	≤-24.47	PASS
		2437	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-61.14	≤-28.02	PASS
			1000~26500	1.98	-50.55	≤-28.02	PASS
		2462	Reference	5.87	5.87	---	PASS
			30~1000	5.87	-60.59	≤-24.13	PASS
			1000~26500	5.87	-51.68	≤-24.13	PASS
11G	Ant1	2412	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-61.91	≤-31.43	PASS
			1000~26500	-1.43	-51.94	≤-31.43	PASS
		2437	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-60.75	≤-32.87	PASS
			1000~26500	-2.87	-50.75	≤-32.87	PASS
		2462	Reference	-0.39	-0.39	---	PASS
			30~1000	-0.39	-61.02	≤-30.39	PASS
			1000~26500	-0.39	-51.5	≤-30.39	PASS
11N20SISO	Ant1	2412	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-61.76	≤-29.1	PASS
			1000~26500	0.90	-52.2	≤-29.1	PASS
		2437	Reference	-4.37	-4.37	---	PASS
			30~1000	-4.37	-60.64	≤-34.37	PASS
			1000~26500	-4.37	-50.66	≤-34.37	PASS
		2462	Reference	-2.91	-2.91	---	PASS
			30~1000	-2.91	-61.7	≤-32.91	PASS
			1000~26500	-2.91	-50.7	≤-32.91	PASS

Test Graphs

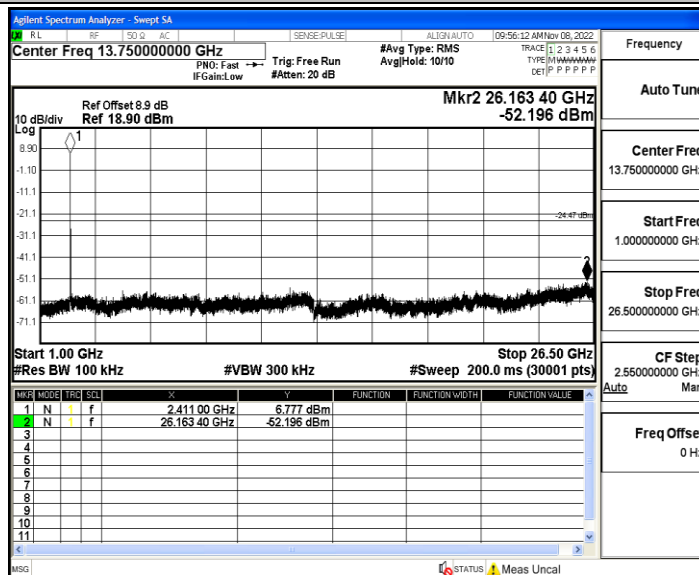
11B_Ant1_2412_0~Reference



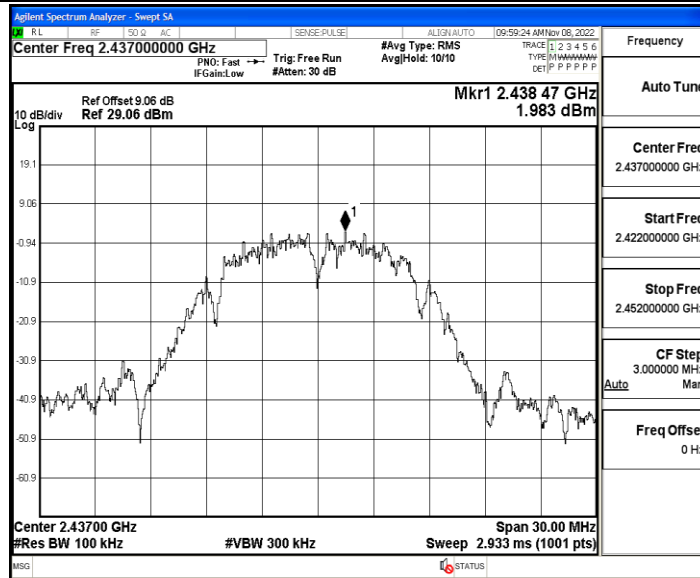
11B_Ant1_2412_30~1000



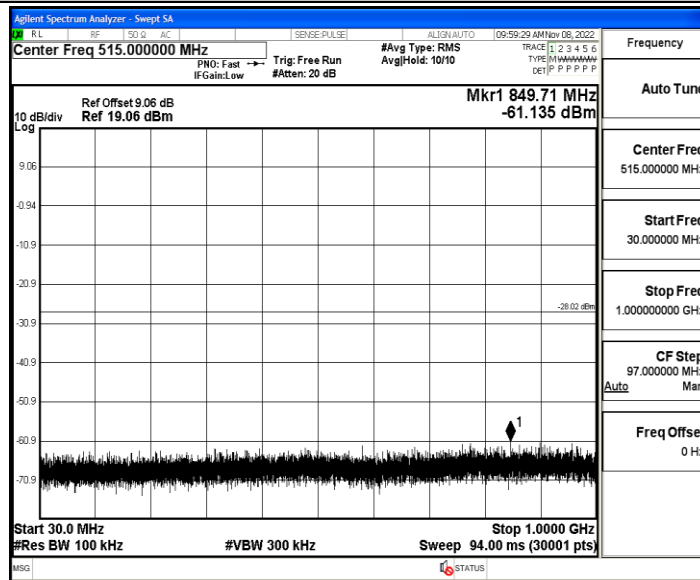
11B_Ant1_2412_1000~26500



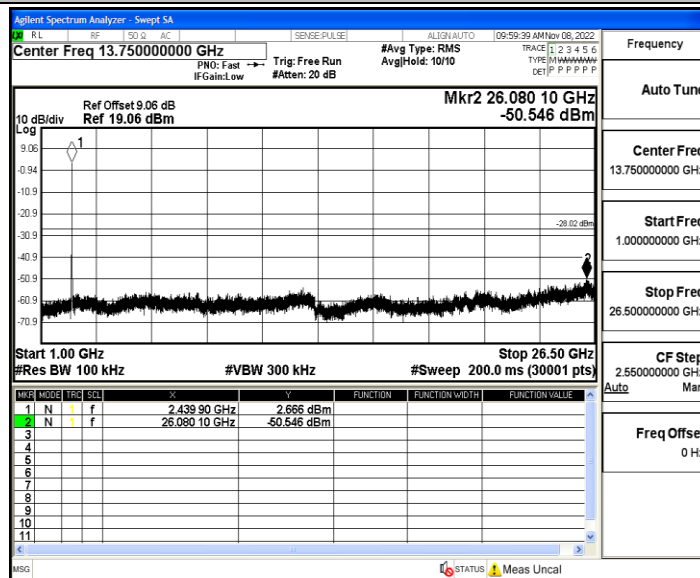
11B_Ant1_2437_0~Reference



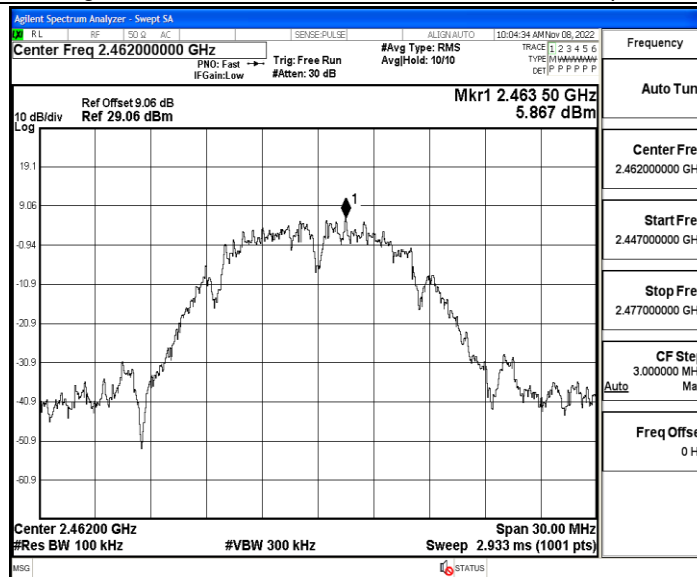
11B_Ant1_2437_30~1000



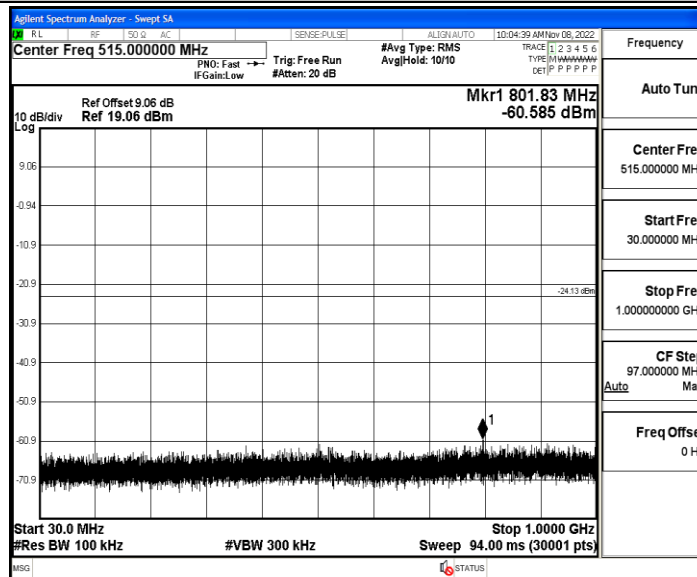
11B_Ant1_2437_1000~26500



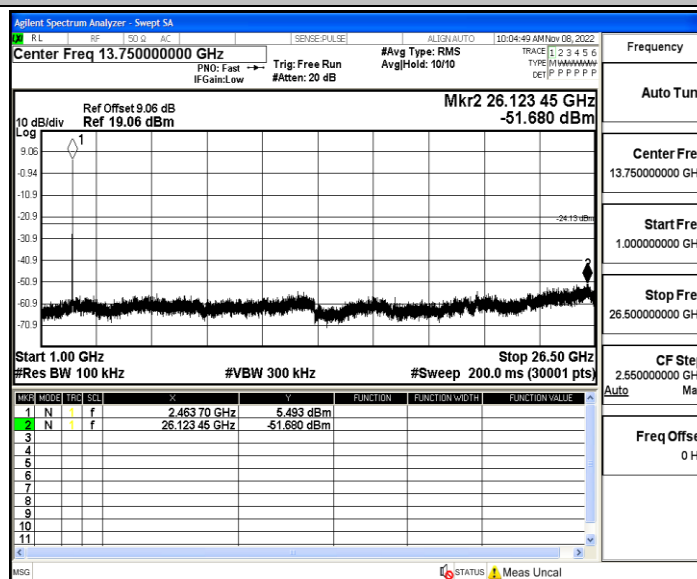
11B_Ant1_2462_0~Reference



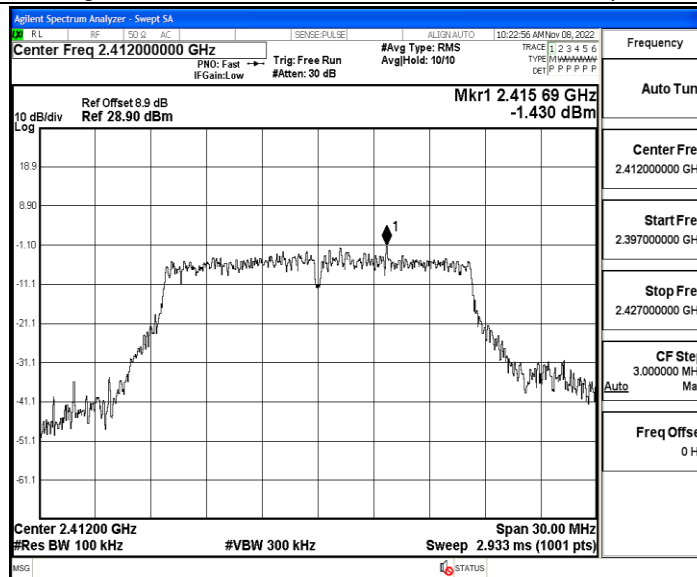
11B_Ant1_2462_30~1000



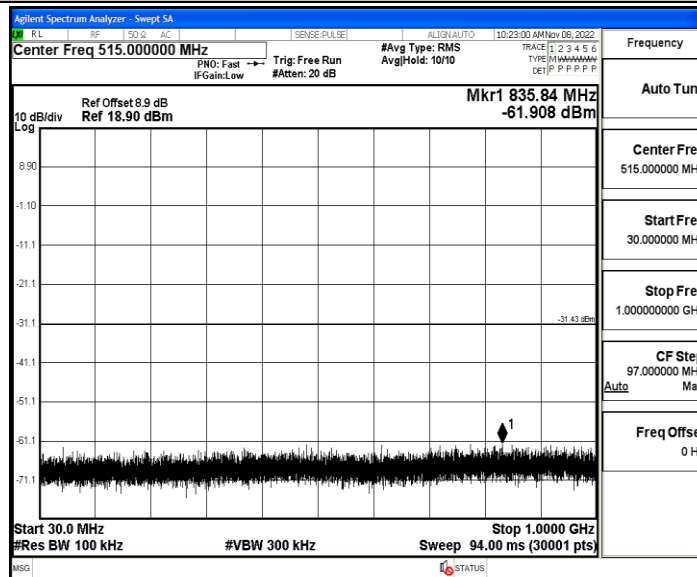
11B_Ant1_2462_1000~26500



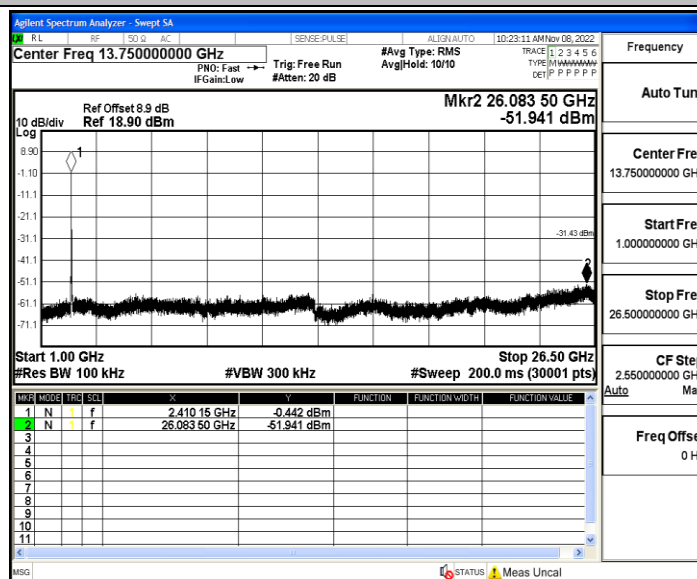
11G_Ant1_2412_0~Reference



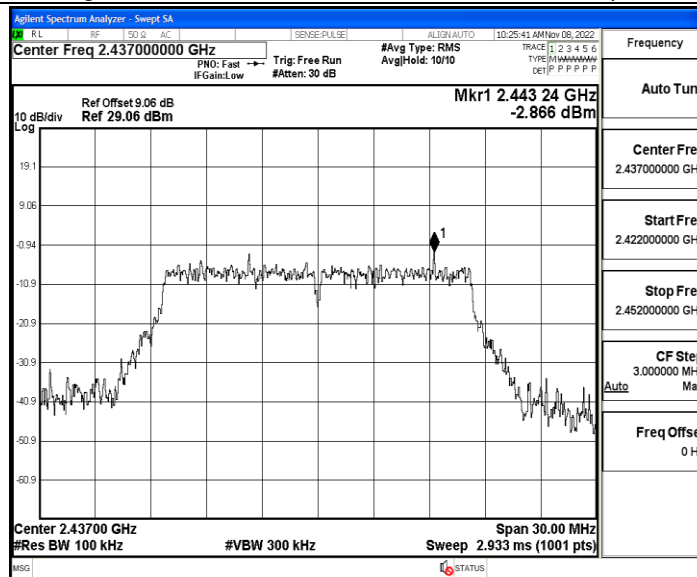
11G_Ant1_2412_30~1000



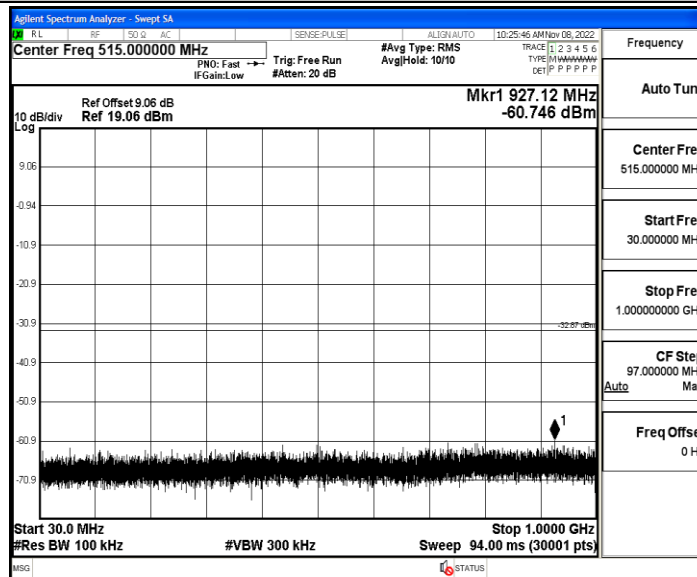
11G_Ant1_2412_1000~26500



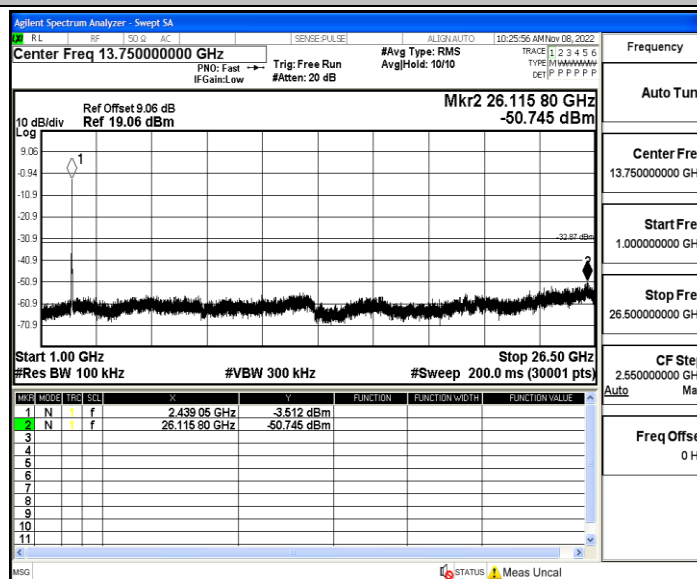
11G_Ant1_2437_0~Reference



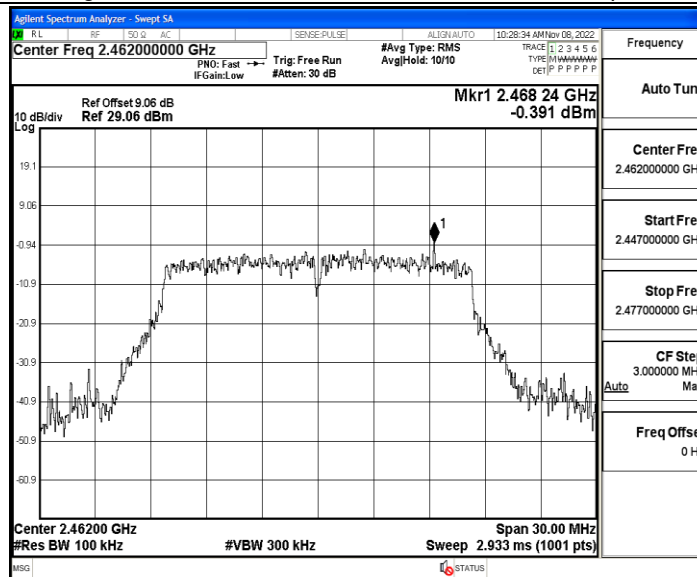
11G_Ant1_2437_30~1000



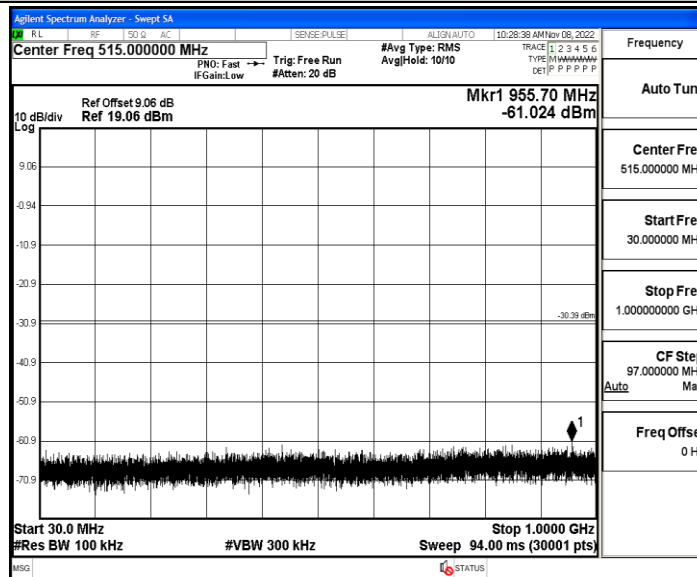
11G_Ant1_2437_1000~26500



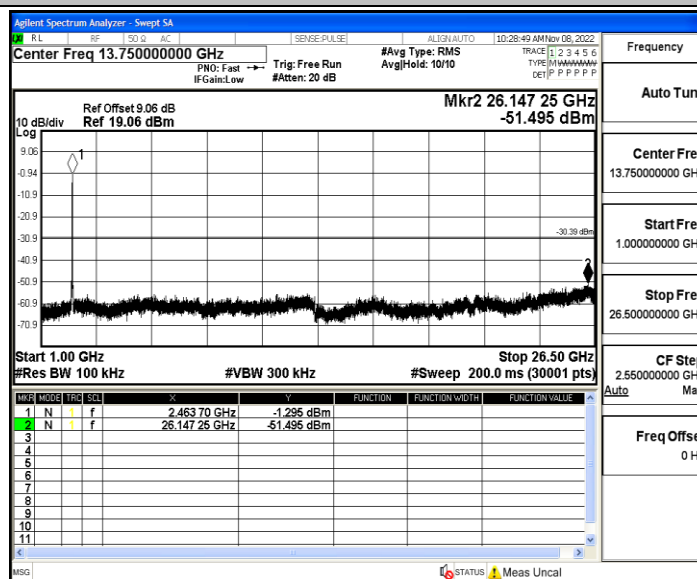
11G_Ant1_2462_0~Reference



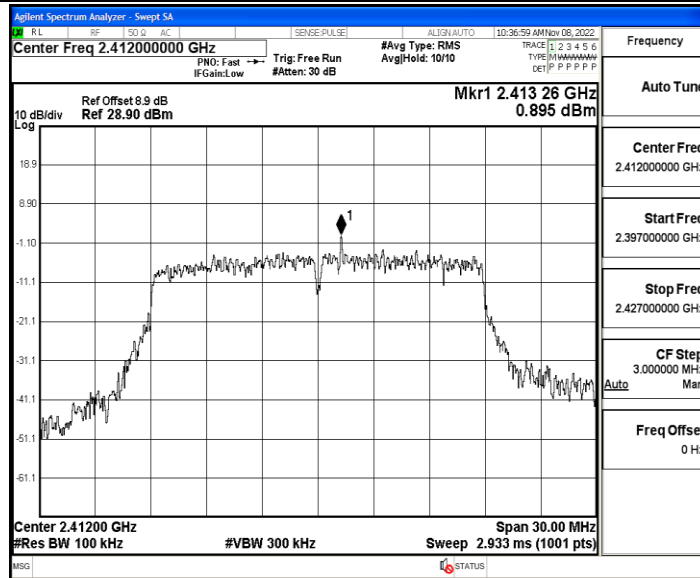
11G_Ant1_2462_30~1000



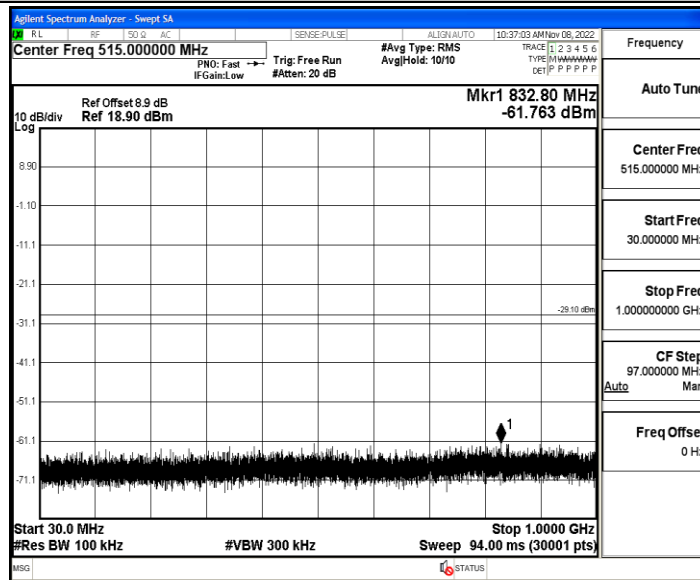
11G_Ant1_2462_1000~26500



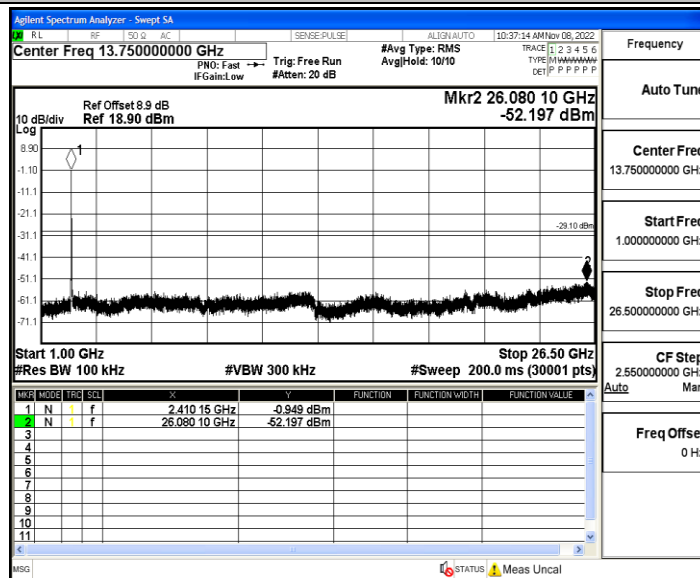
11N20SISO_Ant1_2412_0~Reference



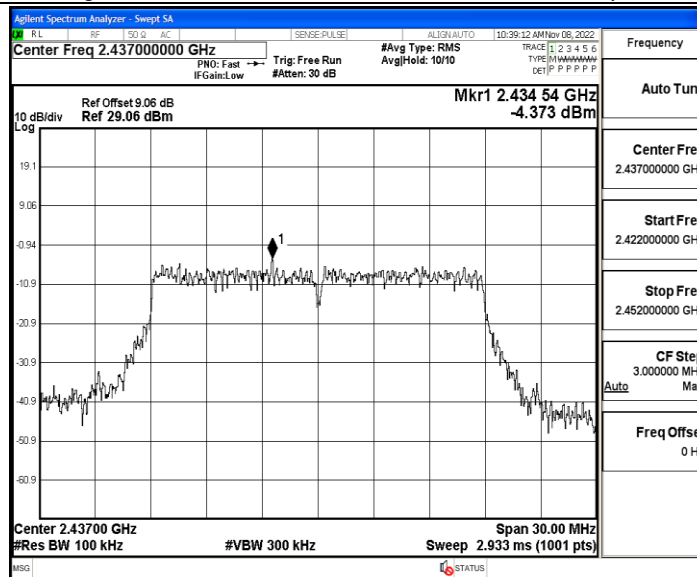
11N20SISO_Ant1_2412_30~1000



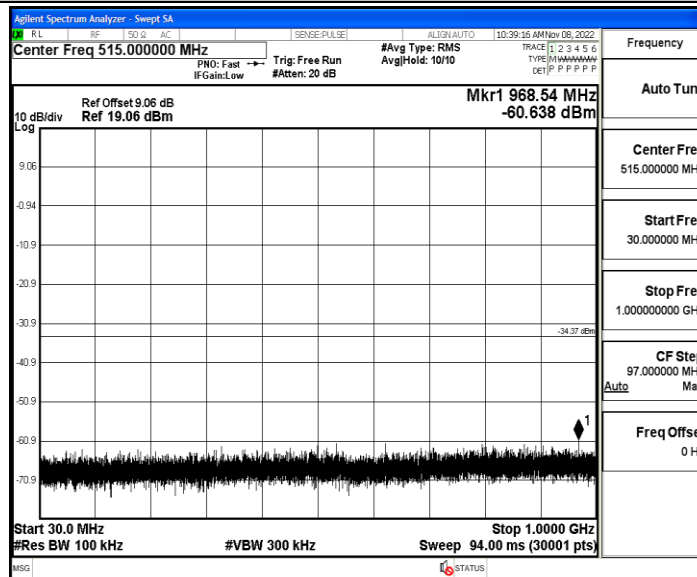
11N20SISO_Ant1_2412_1000~26500



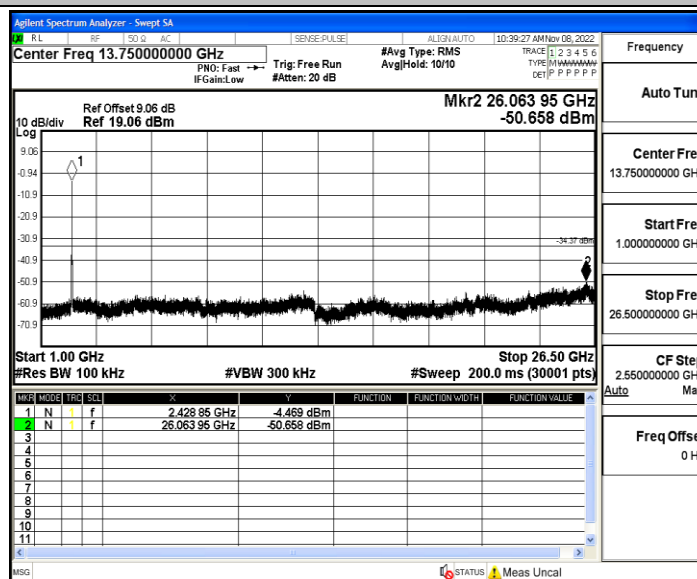
11N20SISO_Ant1_2437_0~Reference



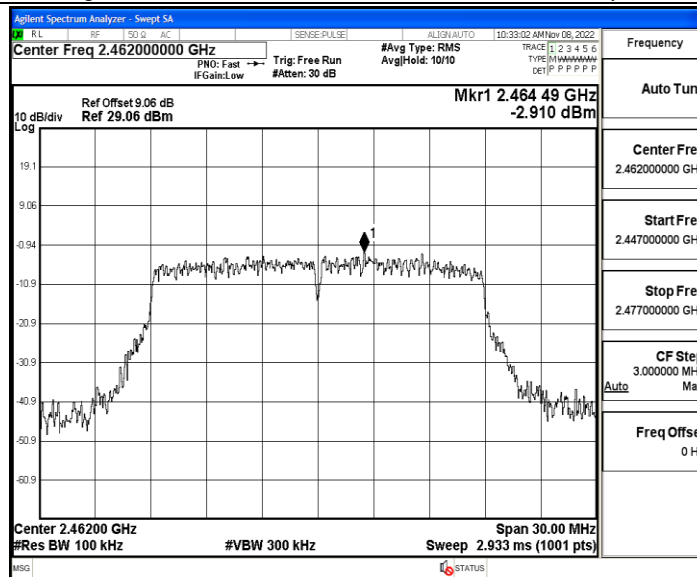
11N20SISO_Ant1_2437_30~1000



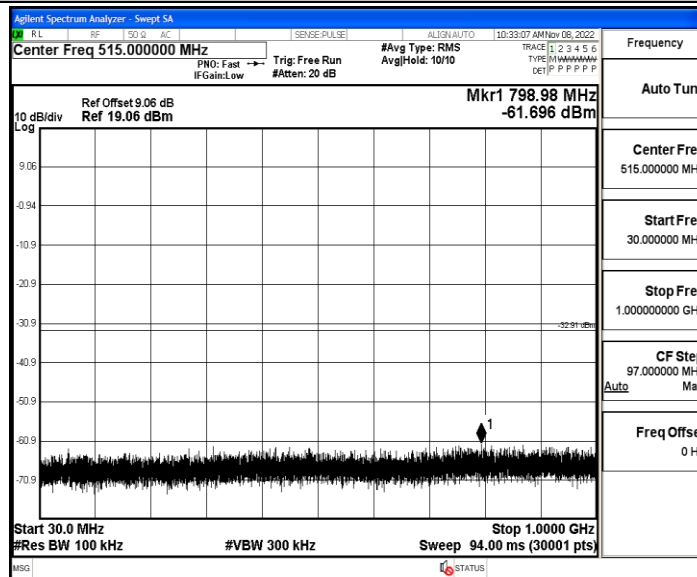
11N20SISO_Ant1_2437_1000~26500



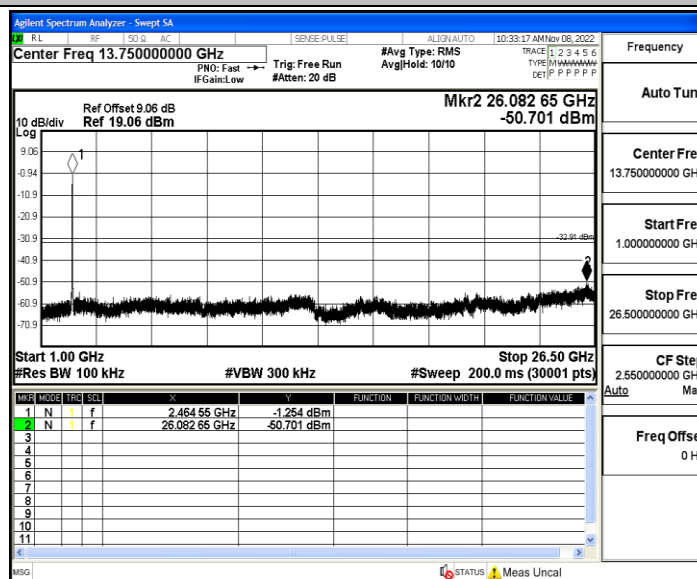
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



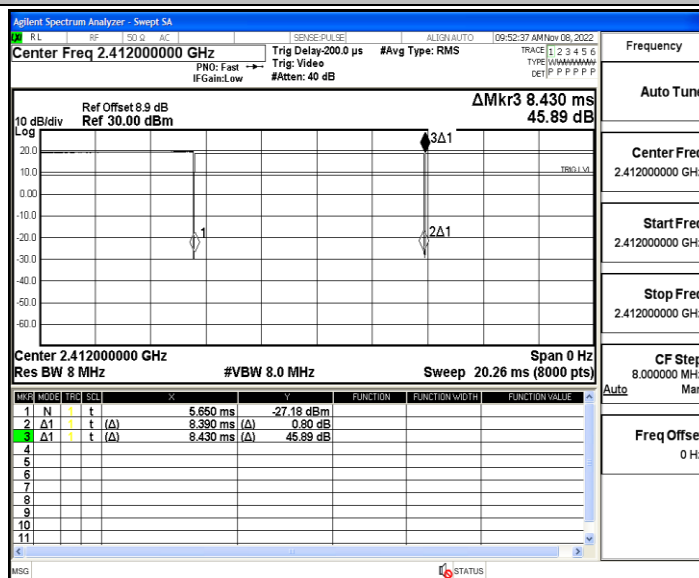
Appendix G: Duty Cycle

Test Result

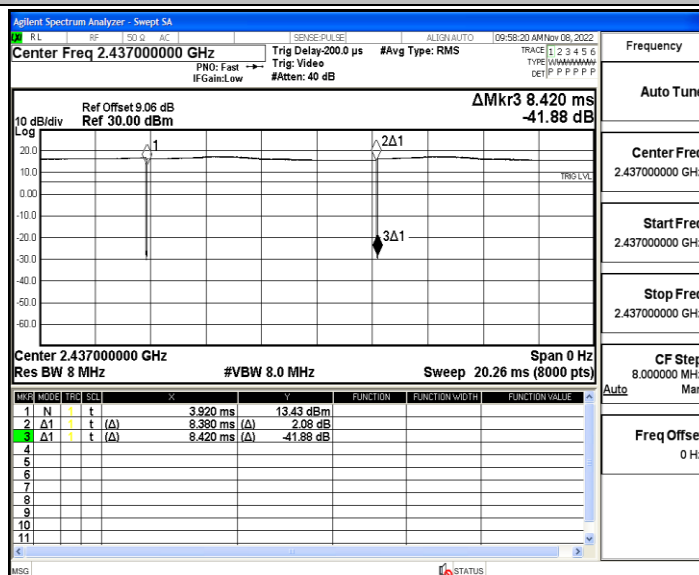
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11B	Ant1	2412	8.39	8.43	99.53	0.12
		2437	8.38	8.42	99.52	0.12
		2462	8.38	8.42	99.52	0.12
11G	Ant1	2412	1.39	1.44	96.53	0.72
		2437	1.39	1.45	95.86	0.72
		2462	1.39	1.44	96.53	0.72
11N20SISO	Ant1	2412	1.30	1.35	96.30	0.77
		2437	1.30	1.36	95.59	0.77
		2462	1.29	1.36	94.85	0.78

Test Graphs

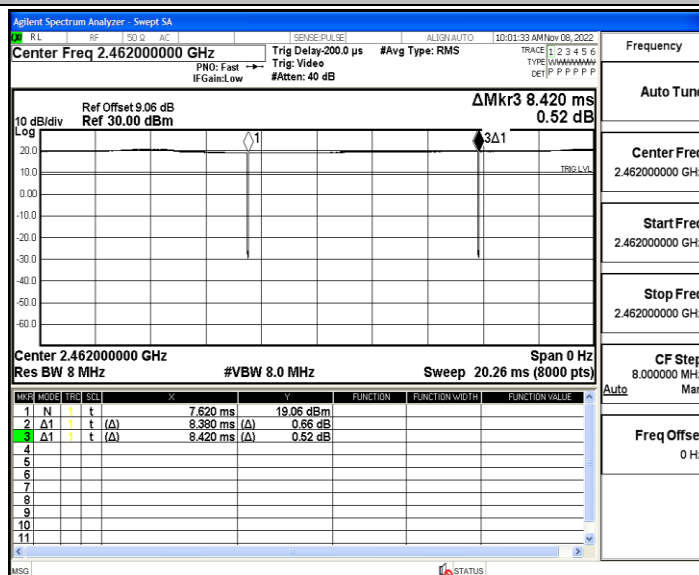
11B_Ant1_2412



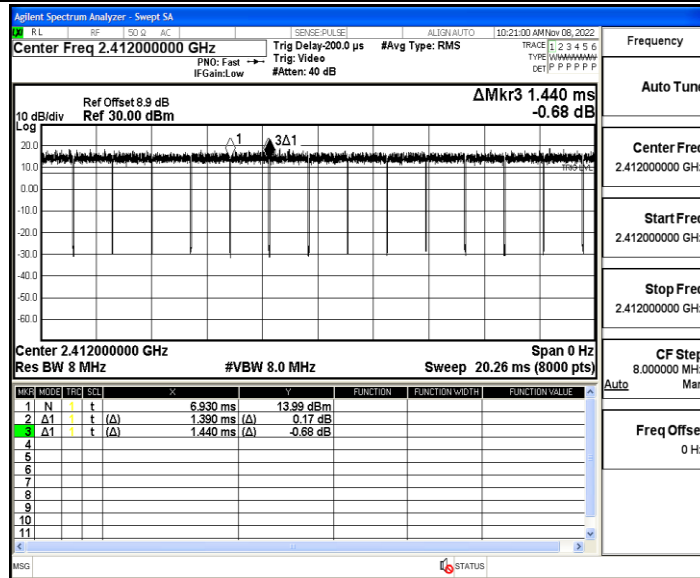
11B_Ant1_2437



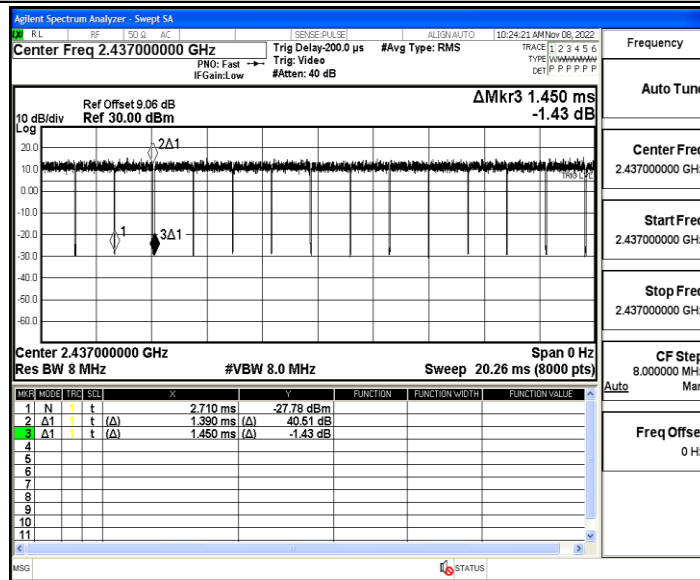
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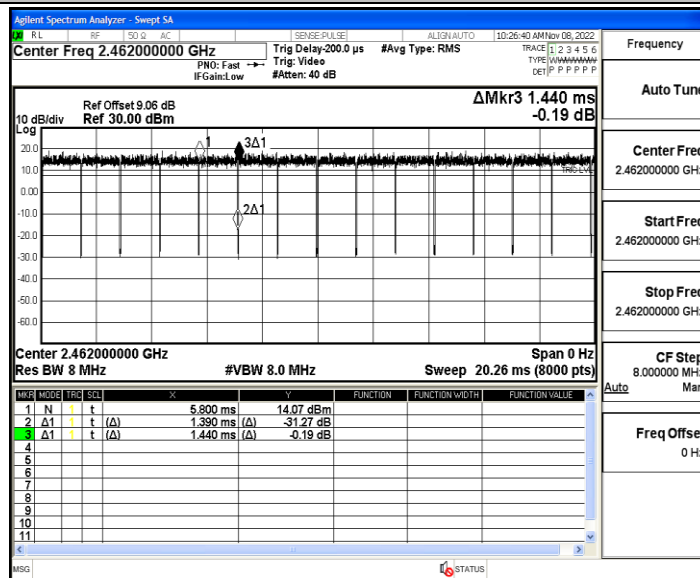
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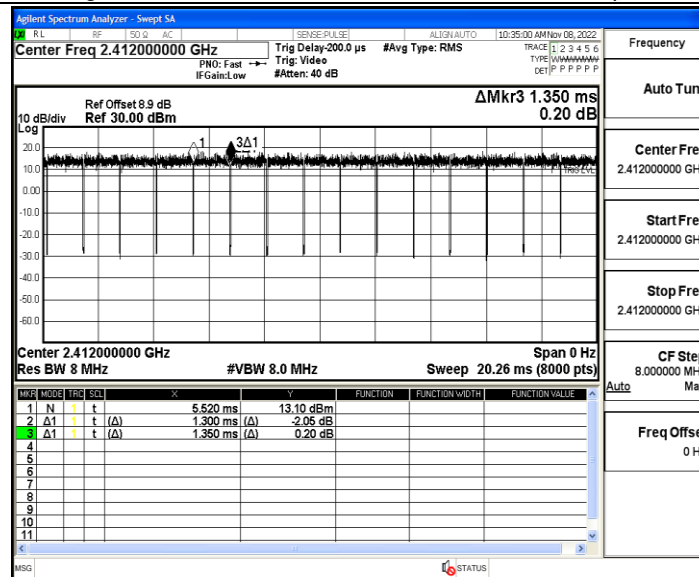
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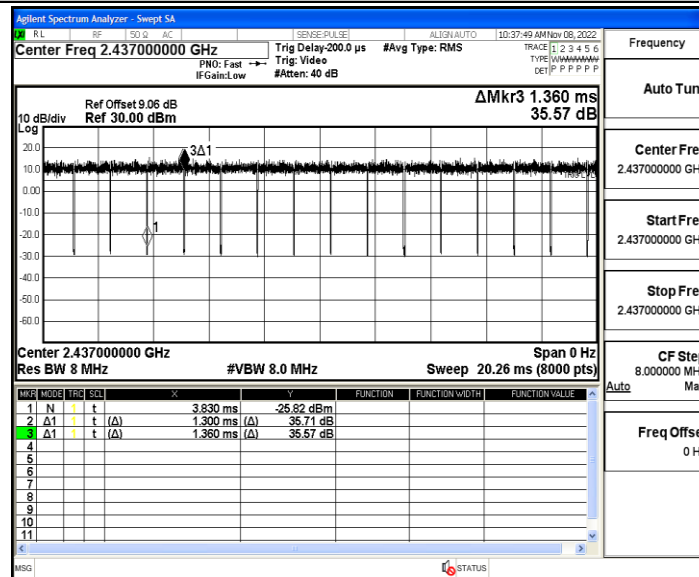
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

