



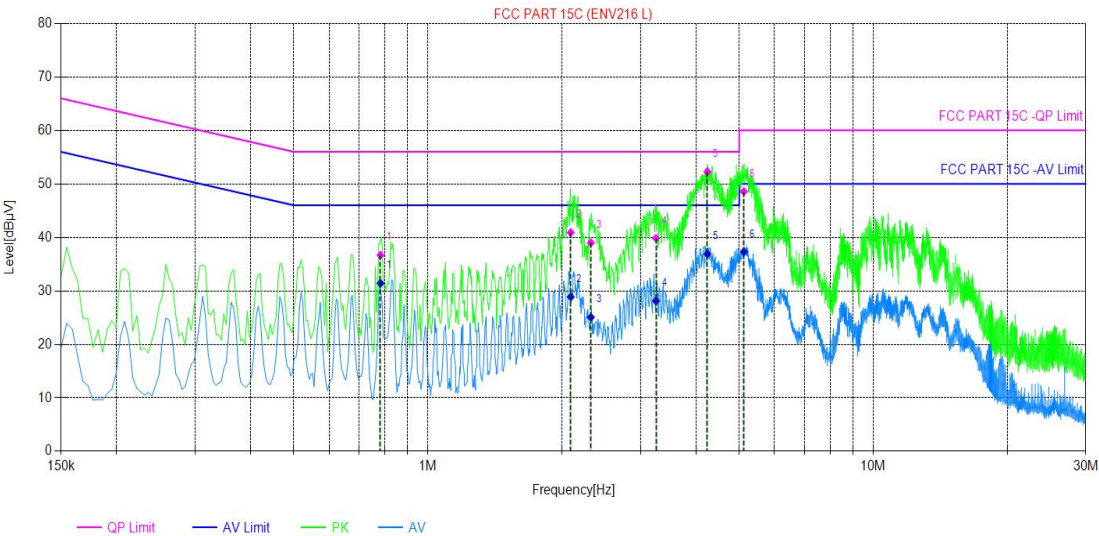
	highest channel. Charge + Transmitting mode.
Final Test Mode:	Through Pre-scan, find the 6.5Mbps of rate of 802.11n(HT20) at lowest channel is the worst case. Charge + Transmitting mode. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 2.9 for details
Test Results:	Pass



Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:

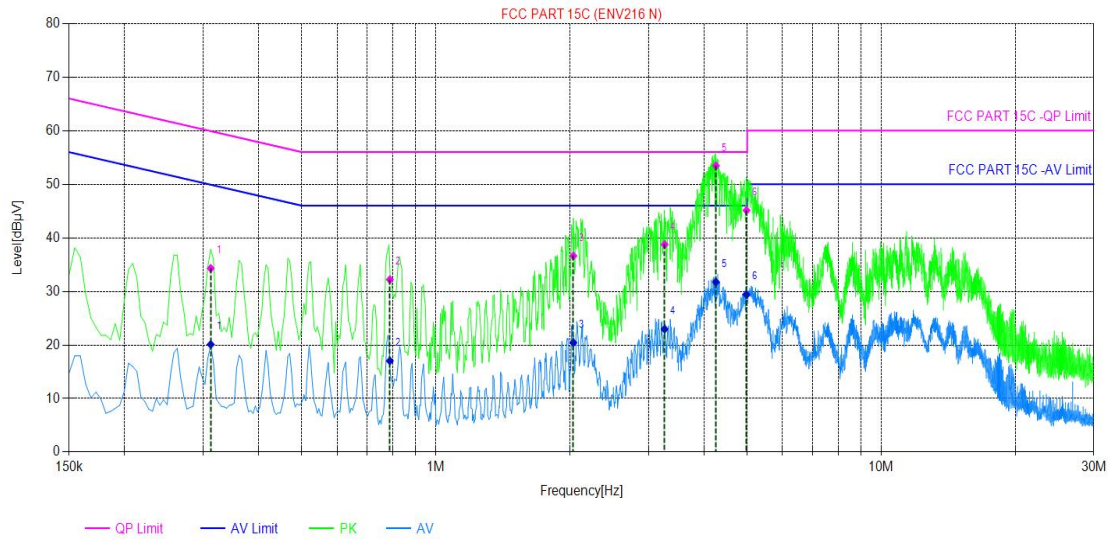


Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.7825	9.75	36.67	56.00	19.33	31.42	46.00	14.58	PASS
2	2.0928	9.74	40.90	56.00	15.10	28.87	46.00	17.13	PASS
3	2.3225	9.74	38.98	56.00	17.02	25.06	46.00	20.94	PASS
4	3.2527	9.74	39.83	56.00	16.17	28.12	46.00	17.88	PASS
5	4.2421	9.77	52.28	56.00	3.72	36.90	46.00	9.10	PASS
6	5.1235	9.80	48.57	60.00	11.43	37.30	50.00	12.70	PASS



Neutral Line:



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.3121	9.88	34.30	59.91	25.61	20.10	49.91	29.81	PASS
2	0.7881	9.81	32.20	56.00	23.80	17.03	46.00	28.97	PASS
3	2.0356	9.78	36.63	56.00	19.37	20.43	46.00	25.57	PASS
4	3.2621	9.89	38.74	56.00	17.26	22.95	46.00	23.05	PASS
5	4.2538	9.97	53.44	56.00	2.56	31.74	46.00	14.26	PASS
6	4.9826	9.97	45.12	56.00	10.88	29.42	46.00	16.58	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc.)



4 Appendix

Appendix A: Duty Cycle

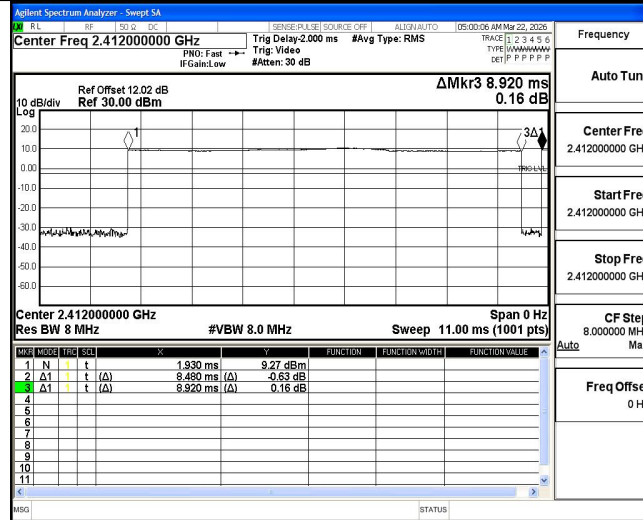
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.48	8.92	95.07
		2437	8.47	10.37	81.68
		2462	8.48	8.96	94.64
11G	Ant1	2412	1.41	1.62	87.04
		2437	1.41	1.55	90.97
		2462	1.41	1.64	85.98
11N20SISO	Ant1	2412	1.31	1.44	90.97
		2437	1.31	1.53	85.62
		2462	1.32	1.42	92.96

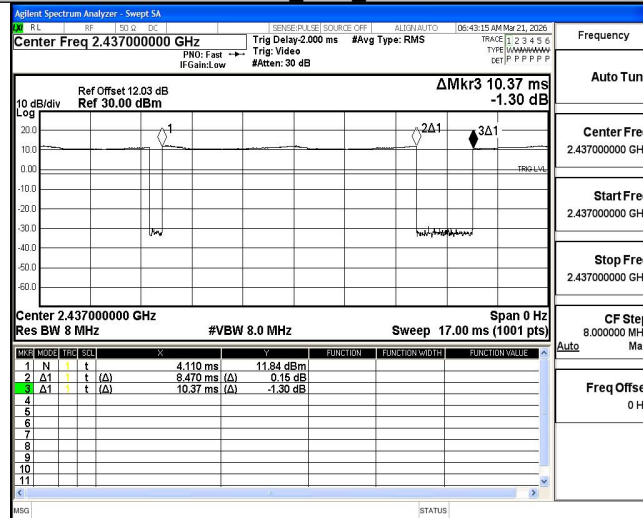


Test Graphs

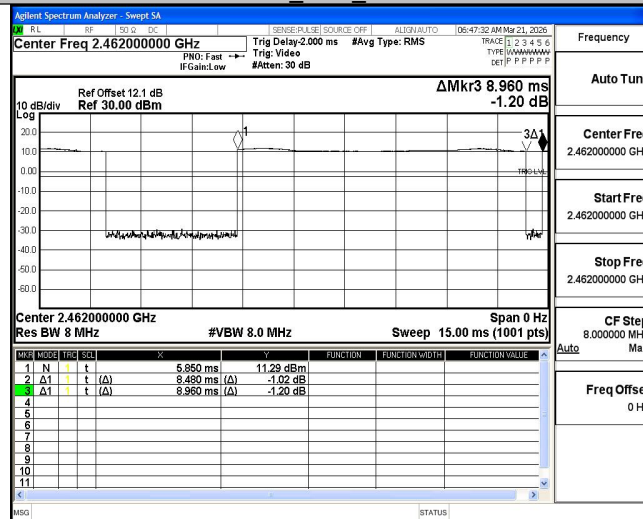
11B_Ant1_2412



11B_Ant1_2437

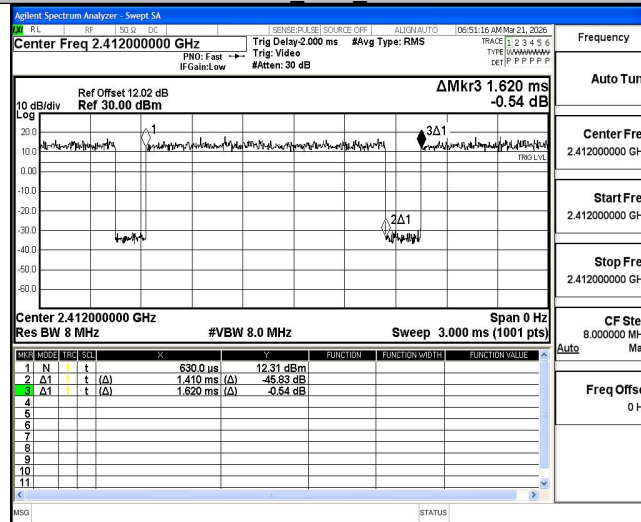


11B_Ant1_2462

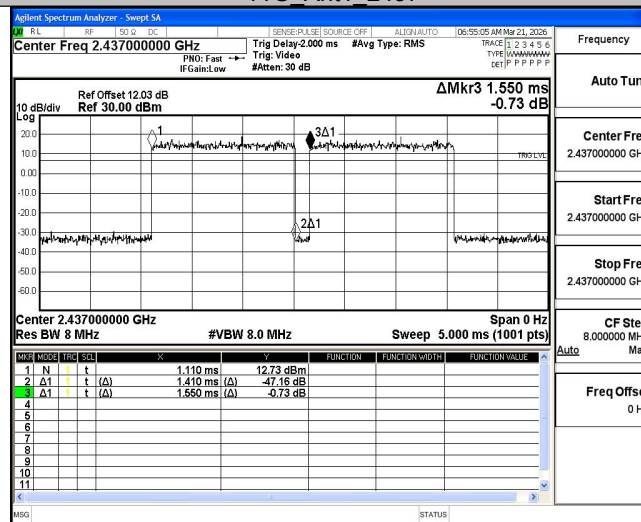




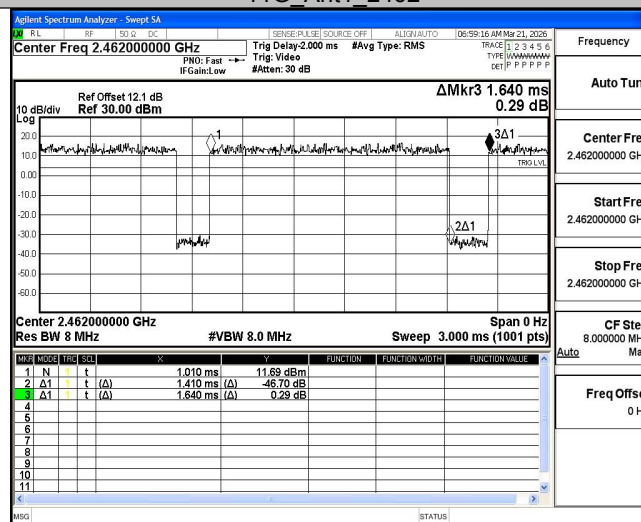
11G_Ant1_2412



11G_Ant1_2437

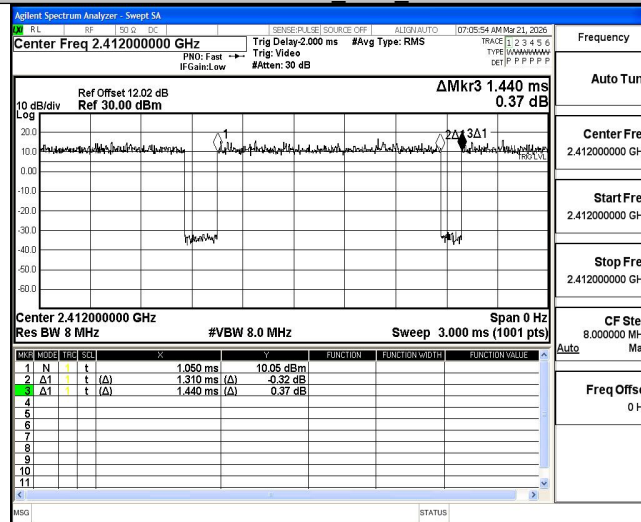


11G_Ant1_2462

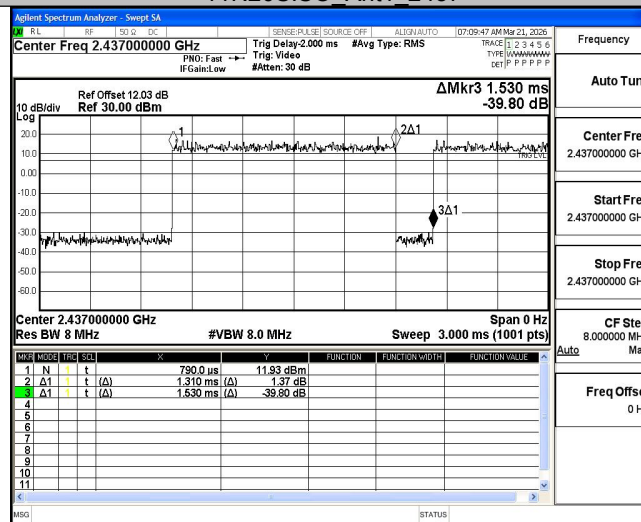




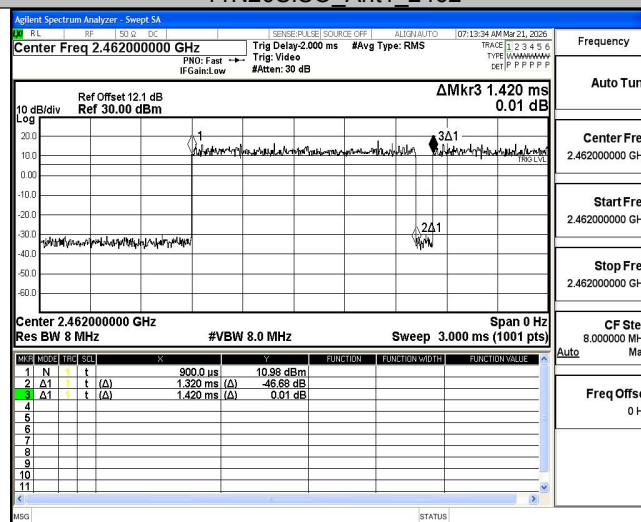
11N20SISO Ant1_2412



11N20SISO Ant1_2437



11N20SISO Ant1_2462





Appendix B: DTS Bandwidth

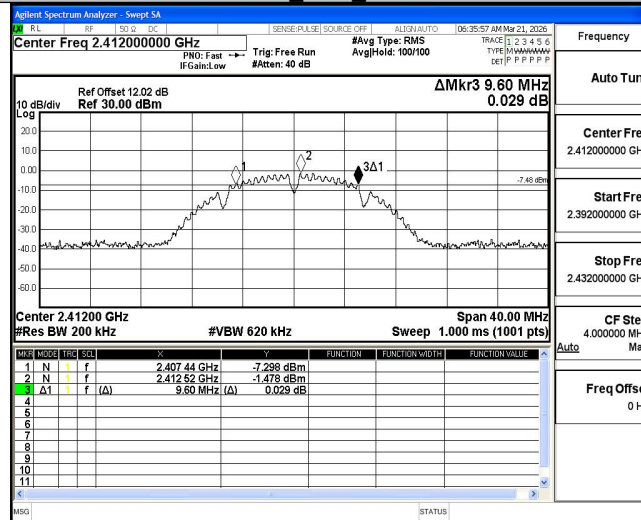
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2407.440	2417.040	0.5	PASS
		2437	9.640	2432.400	2442.040	0.5	PASS
		2462	10.080	2457.000	2467.080	0.5	PASS
11G	Ant1	2412	15.480	2404.320	2419.800	0.5	PASS
		2437	15.760	2429.160	2444.920	0.5	PASS
		2462	15.200	2454.360	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.520	2404.120	2419.640	0.5	PASS
		2437	15.720	2429.040	2444.760	0.5	PASS
		2462	15.720	2454.120	2469.840	0.5	PASS

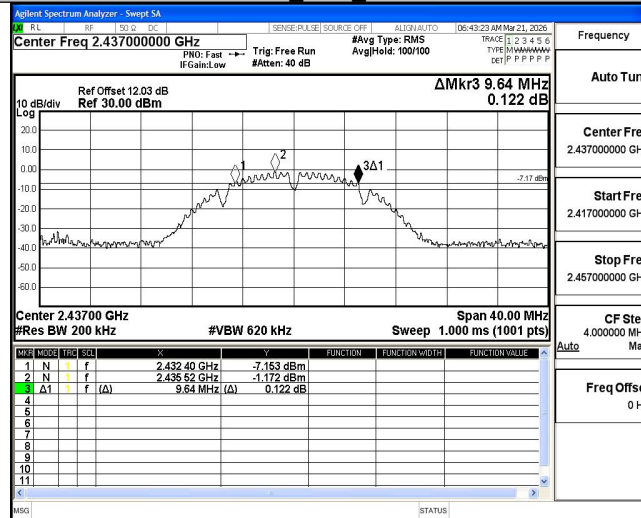


Test Graphs

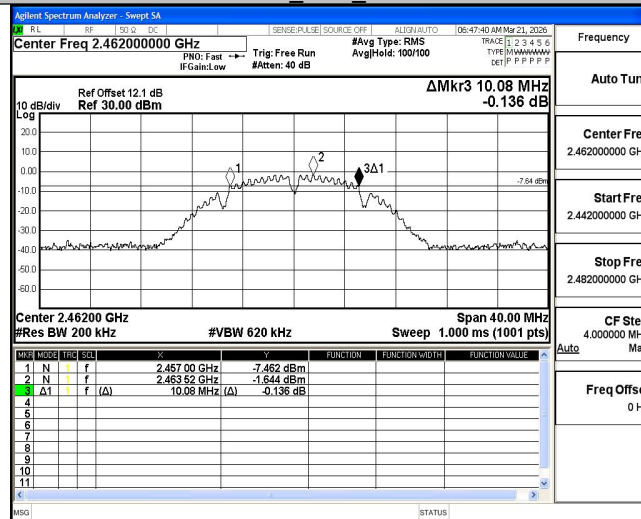
11B_Ant1_2412



11B_Ant1_2437

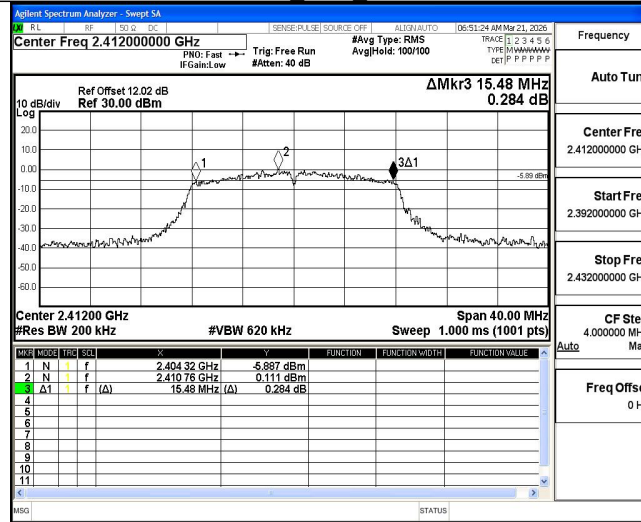


11B_Ant1_2462

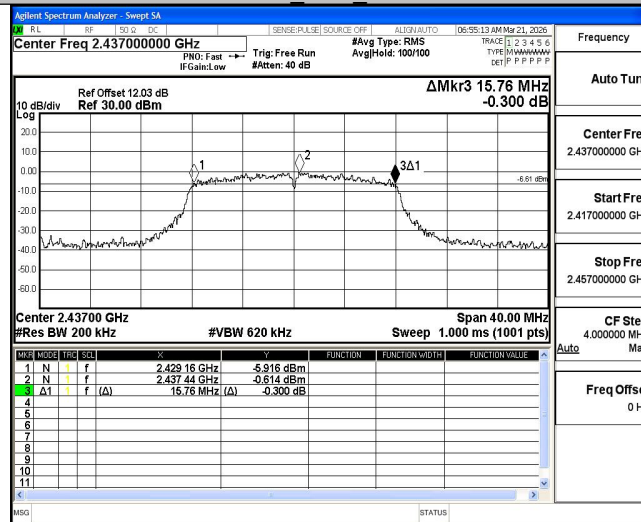




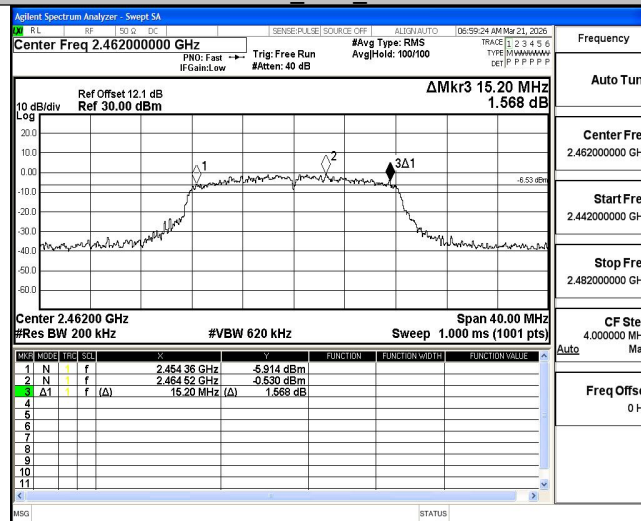
11G_Ant1_2412



11G_Ant1_2437

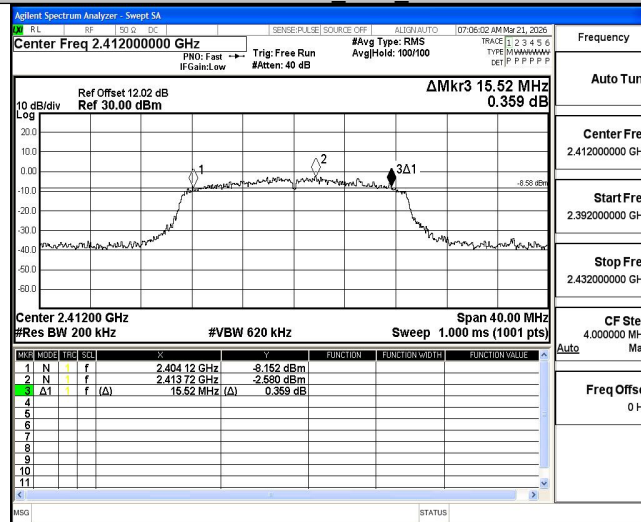


11G_Ant1_2462

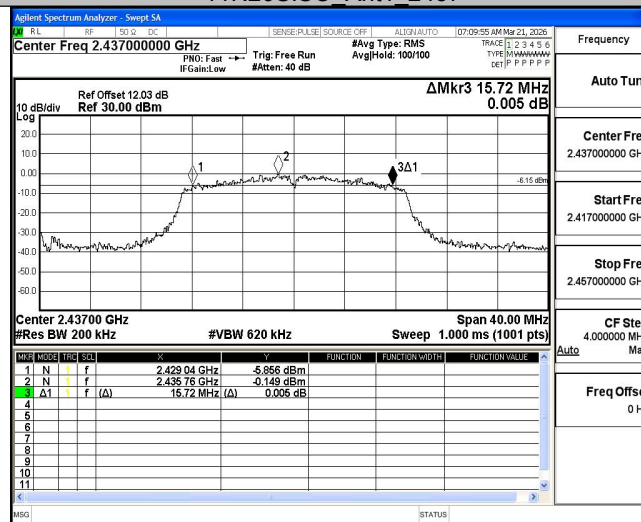




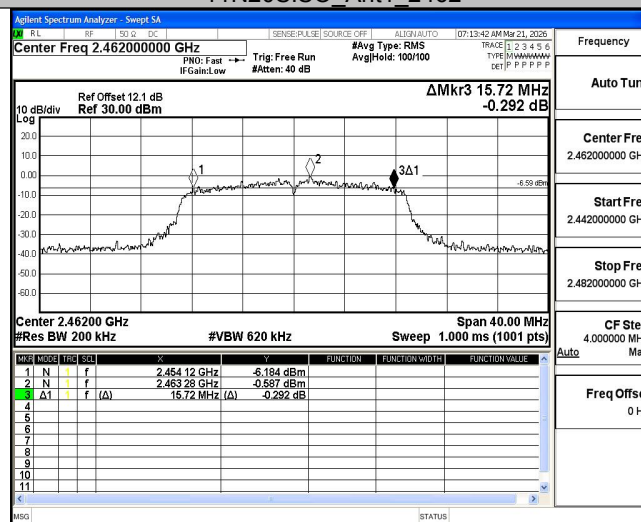
11N20SISO Ant1_2412



11N20SISO Ant1_2437



11N20SISO Ant1_2462



**Appendix C: Maximum conducted (average) output power****Test Result**

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	4.76	95.07	0.22	4.98	≤30.00	PASS
		2437	6.63	81.68	0.88	7.51	≤30.00	PASS
		2462	6.00	94.64	0.24	6.24	≤30.00	PASS
11G	Ant1	2412	6.83	87.04	0.60	7.43	≤30.00	PASS
		2437	7.82	90.97	0.41	8.23	≤30.00	PASS
		2462	8.11	85.98	0.66	8.77	≤30.00	PASS
11N20 SISO	Ant1	2412	5.15	90.97	0.41	5.56	≤30.00	PASS
		2437	7.43	85.62	0.67	8.10	≤30.00	PASS
		2462	6.14	92.96	0.32	6.46	≤30.00	PASS



Appendix D: Maximum power spectral density

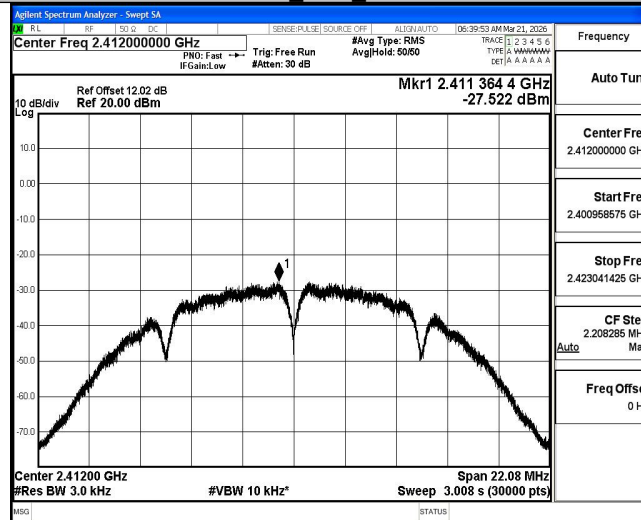
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-25.86	≤8.00	PASS
		2437	-22.58	≤8.00	PASS
		2462	-23.51	≤8.00	PASS
11G	Ant1	2412	-22.69	≤8.00	PASS
		2437	-22.83	≤8.00	PASS
		2462	-22.34	≤8.00	PASS
11N20SISO	Ant1	2412	-25.55	≤8.00	PASS
		2437	-22.96	≤8.00	PASS
		2462	-24.55	≤8.00	PASS

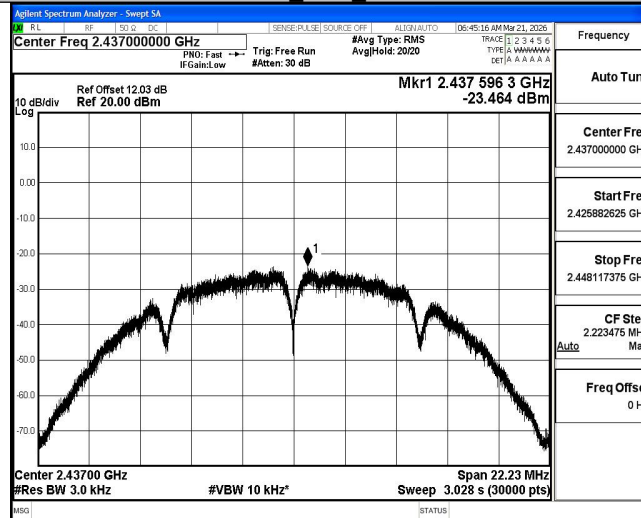


Test Graphs

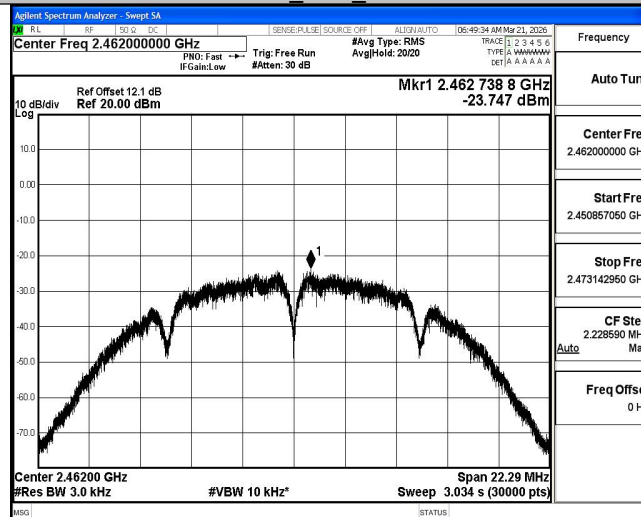
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462





Appendix E: Band edge measurements

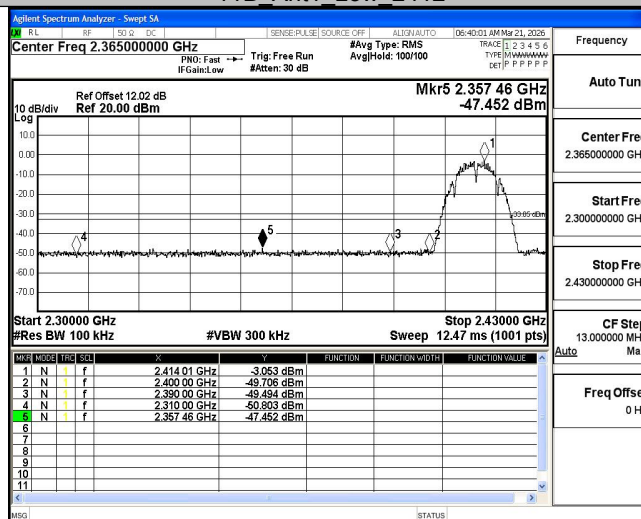
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.05	-47.45	≤-33.05	PASS
		High	2462	-2.61	-47.16	≤-32.61	PASS
11G	Ant1	Low	2412	-2.12	-40.58	≤-32.12	PASS
		High	2462	-0.50	-46.96	≤-30.5	PASS
11N20SISO	Ant1	Low	2412	-3.23	-42.01	≤-33.23	PASS
		High	2462	-1.08	-46.04	≤-31.08	PASS

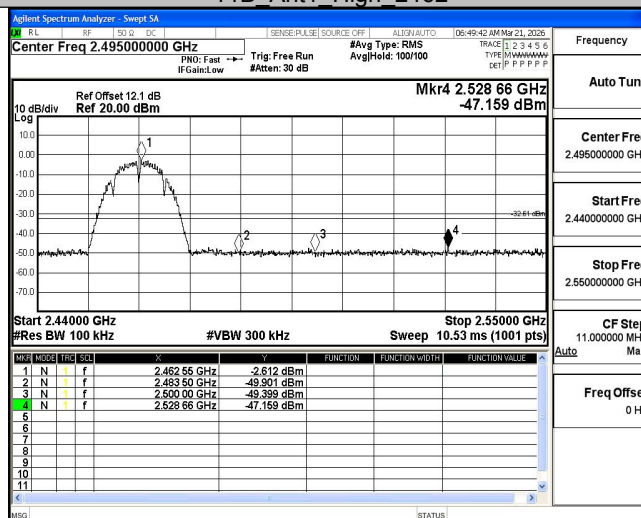


Test Graphs

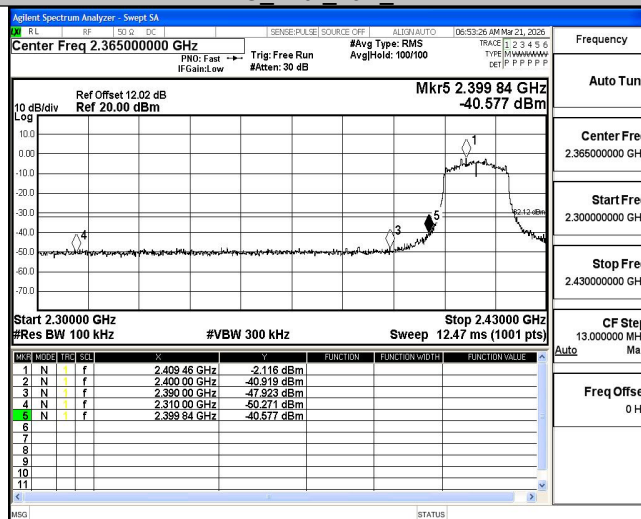
11B_Ant1_Low_2412



11B_Ant1_High_2462

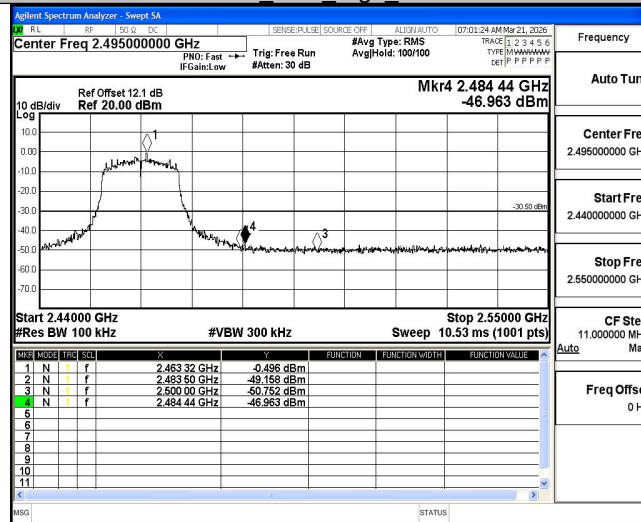


11G_Ant1_Low_2412

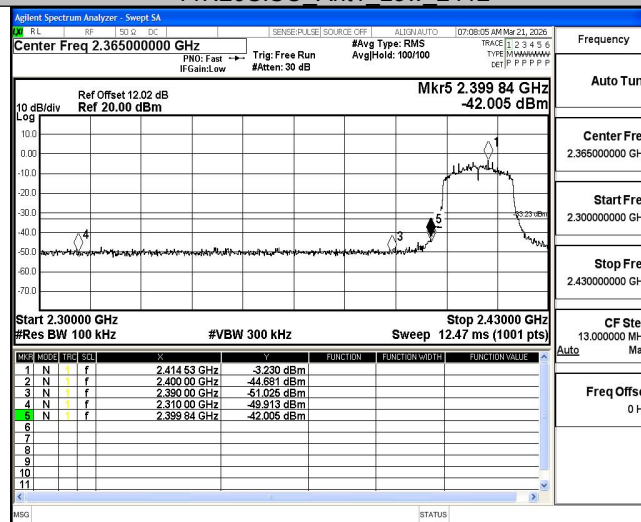




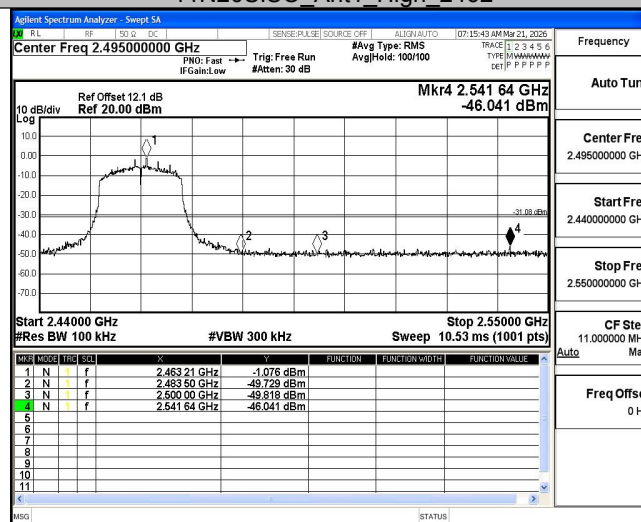
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



**Appendix F: Conducted Spurious Emission****Test Result**

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-46.22	≤ -33.82	PASS
			1000~26500	-3.82	-43.23	≤ -33.82	PASS
		2437	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-43.26	≤ -32.23	PASS
			1000~26500	-2.23	-49.4	≤ -32.23	PASS
		2462	Reference	-4.14	-4.14	---	PASS
			30~1000	-4.14	-45.7	≤ -34.14	PASS
			1000~26500	-4.14	-40.67	≤ -34.14	PASS
11G	Ant1	2412	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-45.09	≤ -33.96	PASS
			1000~26500	-3.96	-41.72	≤ -33.96	PASS
		2437	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-44.4	≤ -32.05	PASS
			1000~26500	-2.05	-49.25	≤ -32.05	PASS
		2462	Reference	-7.00	-7.00	---	PASS
			30~1000	-7.00	-43.48	≤ -37	PASS
			1000~26500	-7.00	-49.23	≤ -37	PASS
11N20SISO	Ant1	2412	Reference	-7.90	-7.90	---	PASS
			30~1000	-7.90	-45.14	≤ -37.9	PASS
			1000~26500	-7.90	-48.97	≤ -37.9	PASS
		2437	Reference	-3.86	-3.86	---	PASS
			30~1000	-3.86	-44.46	≤ -33.86	PASS
			1000~26500	-3.86	-48.9	≤ -33.86	PASS
		2462	Reference	-7.73	-7.73	---	PASS
			30~1000	-7.73	-44.5	≤ -37.73	PASS
			1000~26500	-7.73	-39.52	≤ -37.73	PASS