

FCC Appendix RF Test Data

FCC ID : 2B06V-KI-E065TV
Company: : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.
EUT : OUTDOOR TV
Model Number : KI-E065TV
Report No. : CTA25040801603
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.320	2407.200	2416.520	0.5	PASS
		2437	8.640	2432.440	2441.080	0.5	PASS
		2462	9.480	2457.040	2466.520	0.5	PASS
11G	Ant1	2412	15.760	2404.440	2420.200	0.5	PASS
		2437	15.680	2429.480	2445.160	0.5	PASS
		2462	16.000	2454.160	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.200	2404.440	2420.640	0.5	PASS
		2437	15.880	2429.360	2445.240	0.5	PASS
		2462	16.520	2454.000	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.480	2440.240	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.280	2434.320	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



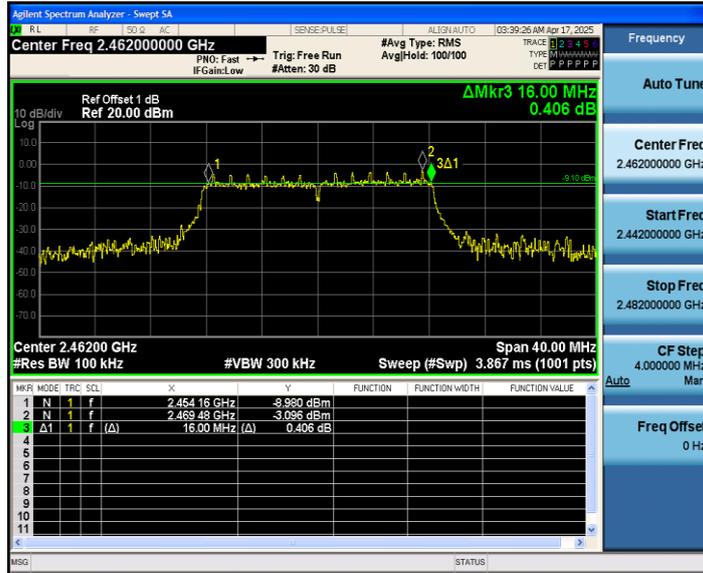
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



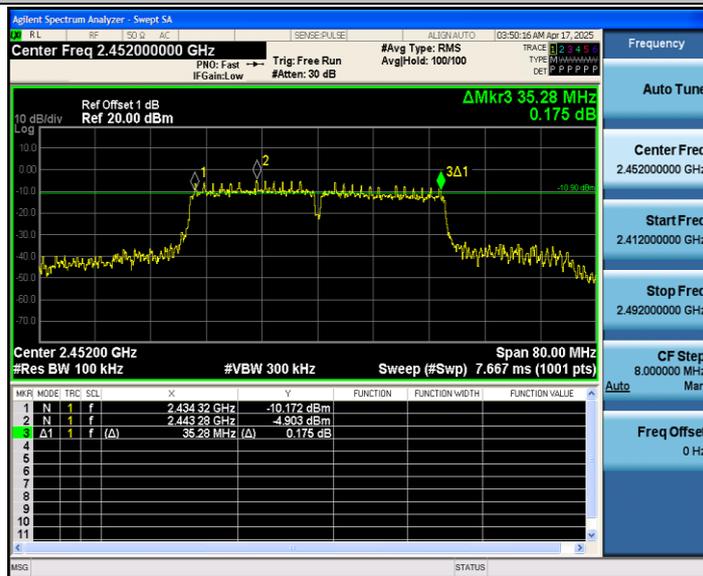
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.400	2405.7591	2418.1591	---	---
		2437	11.709	2430.9995	2442.7085	---	---
		2462	12.729	2455.4361	2468.1651	---	---
11G	Ant1	2412	16.790	2403.7762	2420.5662	---	---
		2437	16.656	2428.8293	2445.4853	---	---
		2462	16.945	2453.6546	2470.5996	---	---
11N20SISO	Ant1	2412	17.865	2403.2602	2421.1252	---	---
		2437	17.640	2428.3205	2445.9605	---	---
		2462	18.023	2453.1148	2471.1378	---	---
11N40SISO	Ant1	2422	36.415	2404.1955	2440.6105	---	---
		2437	36.104	2419.0210	2455.1250	---	---
		2452	36.253	2433.9011	2470.1541	---	---

Test Graphs

11B_Ant1_2412



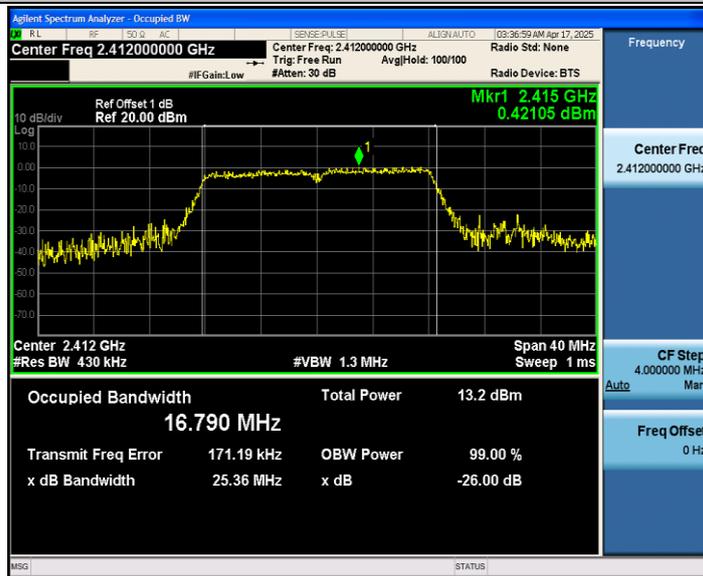
11B_Ant1_2437



11B_Ant1_2462



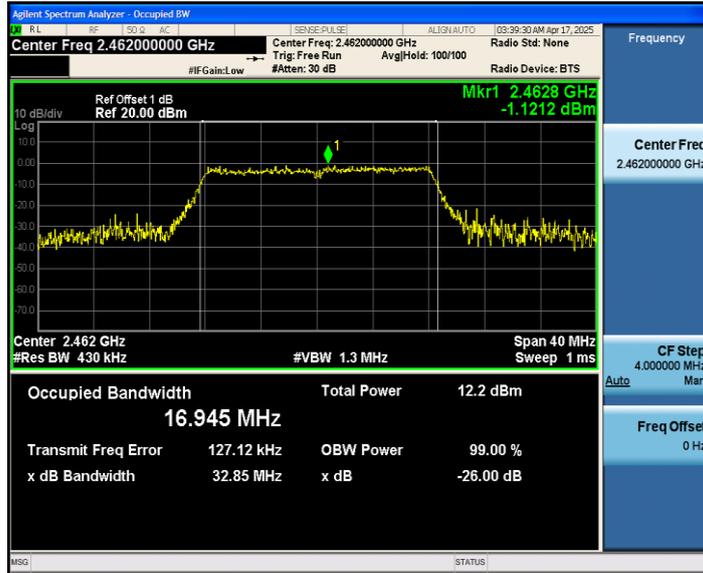
11G_Ant1_2412



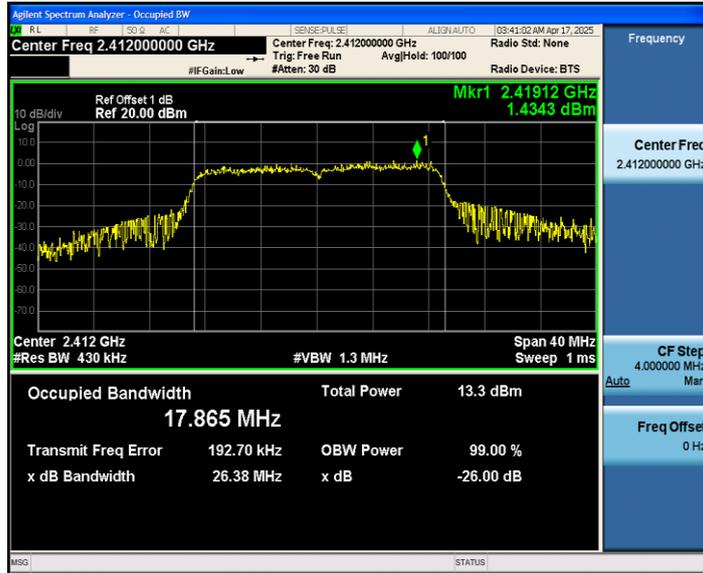
11G_Ant1_2437



11G_Ant1_2462



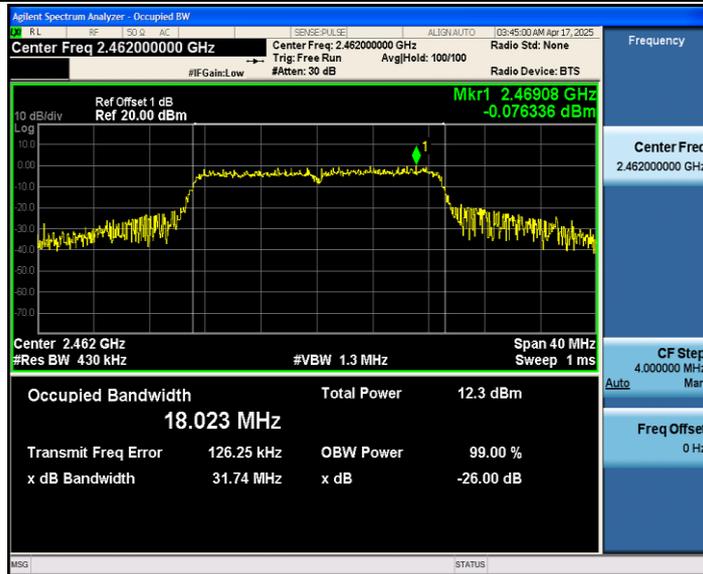
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



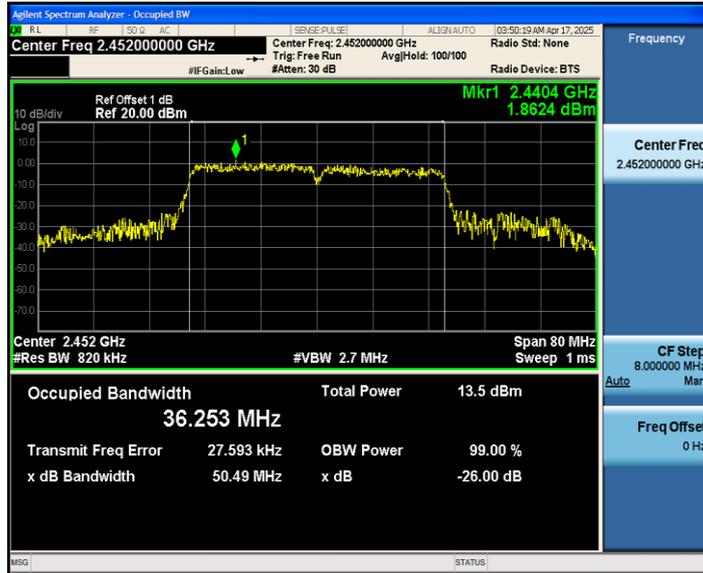
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.30	≤30.00	PASS
		2437	14.00	≤30.00	PASS
		2462	14.32	≤30.00	PASS
11G	Ant1	2412	13.83	≤30.00	PASS
		2437	13.03	≤30.00	PASS
		2462	12.93	≤30.00	PASS
11N20SISO	Ant1	2412	13.98	≤30.00	PASS
		2437	13.04	≤30.00	PASS
		2462	12.88	≤30.00	PASS
11N40SISO	Ant1	2422	13.19	≤30.00	PASS
		2437	12.53	≤30.00	PASS
		2452	13.74	≤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	-9.90	≤8.00	PASS
		2437	-10.87	≤8.00	PASS
		2462	-10.99	≤8.00	PASS
11G	Ant1	2412	-17.51	≤8.00	PASS
		2437	-18.35	≤8.00	PASS
		2462	-19.25	≤8.00	PASS
11N20SISO	Ant1	2412	-18.39	≤8.00	PASS
		2437	-18.51	≤8.00	PASS
		2462	-20.04	≤8.00	PASS
11N40SISO	Ant1	2422	-21.31	≤8.00	PASS
		2437	-22.61	≤8.00	PASS
		2452	-21.14	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



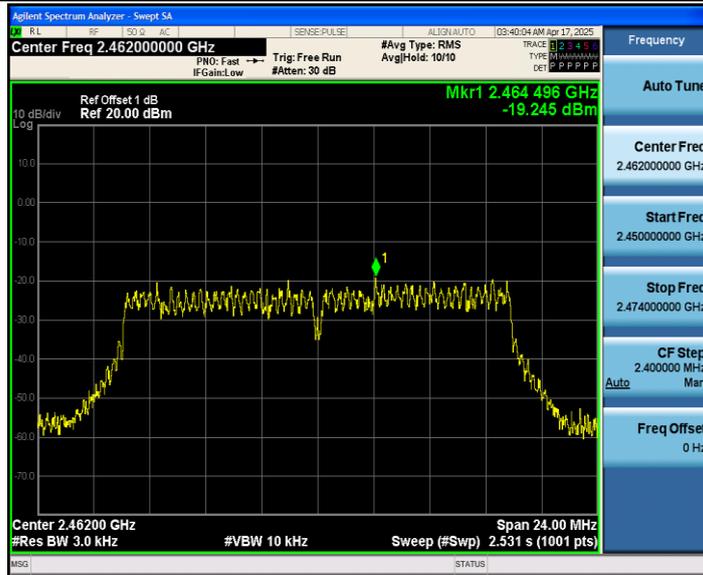
11G_Ant1_2412



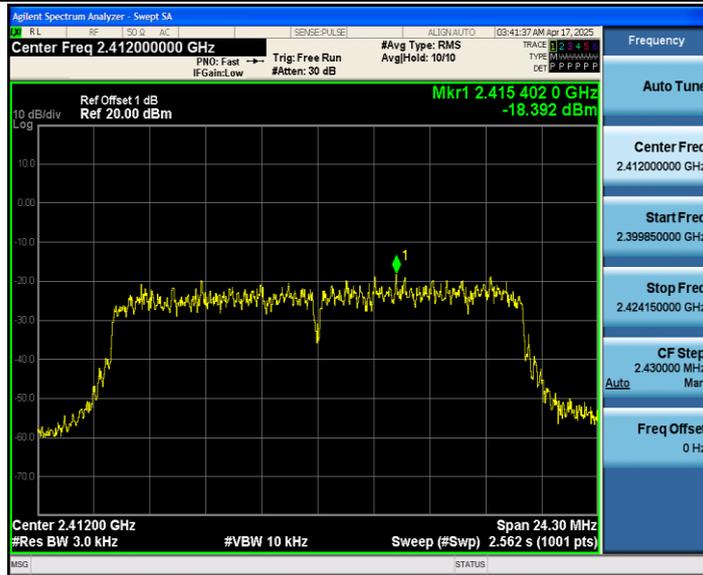
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



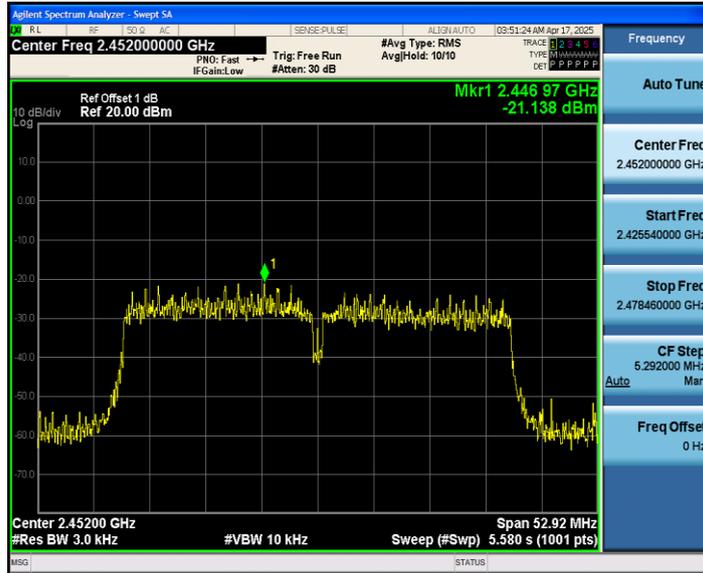
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



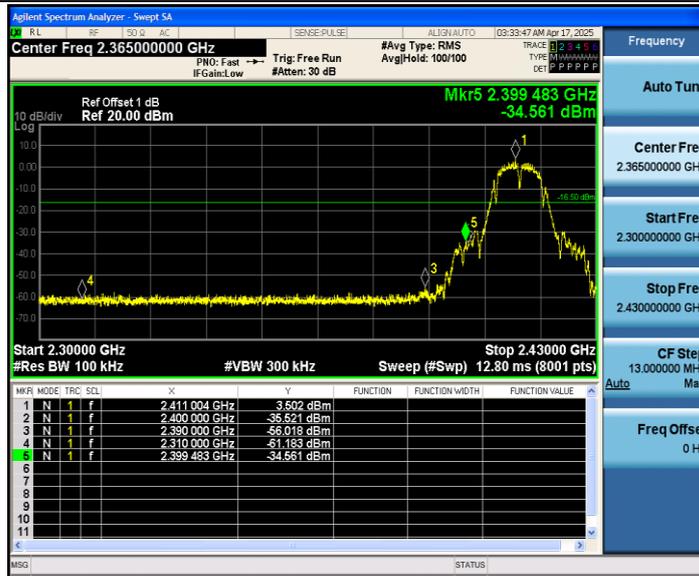
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.50	-34.56	≤-16.5	PASS
		High	2462	1.85	-49.43	≤-18.15	PASS
11G	Ant1	Low	2412	-1.86	-35.34	≤-21.86	PASS
		High	2462	-3.13	-40.33	≤-23.13	PASS
11N20SISO	Ant1	Low	2412	-1.74	-34.23	≤-21.74	PASS
		High	2462	-3.21	-38.58	≤-23.21	PASS
11N40SISO	Ant1	Low	2422	-5.24	-38.99	≤-25.24	PASS
		High	2452	-5.17	-35.49	≤-25.17	PASS

Test Graphs

11B_Ant1_Low_2412



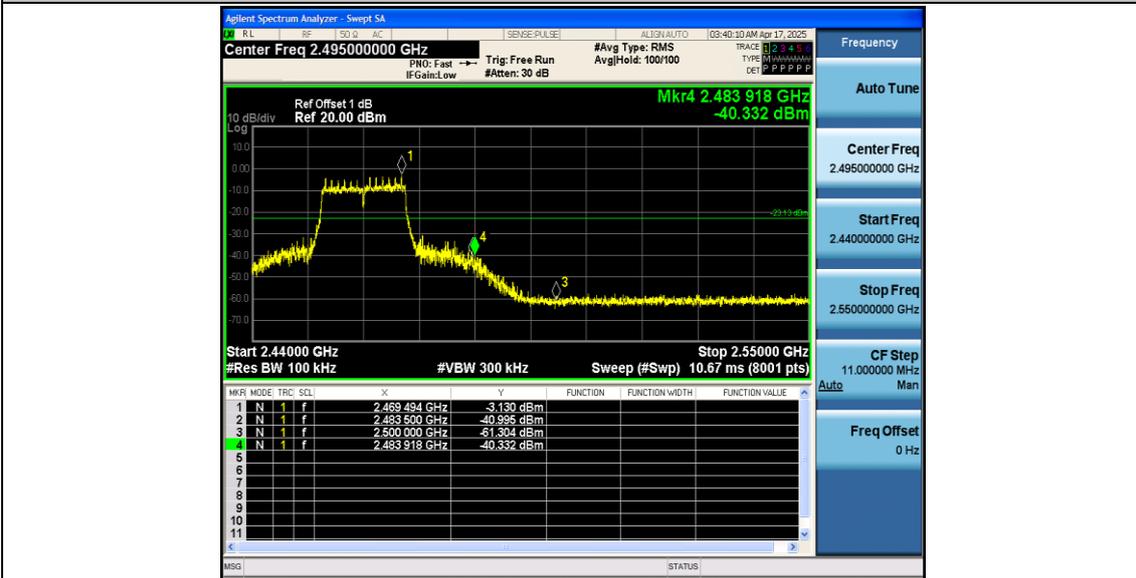
11B_Ant1_High_2462



11G_Ant1_Low_2412



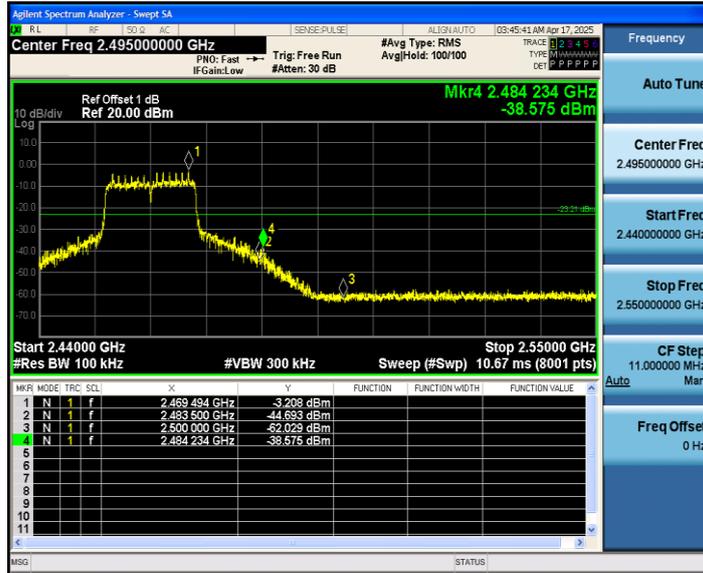
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



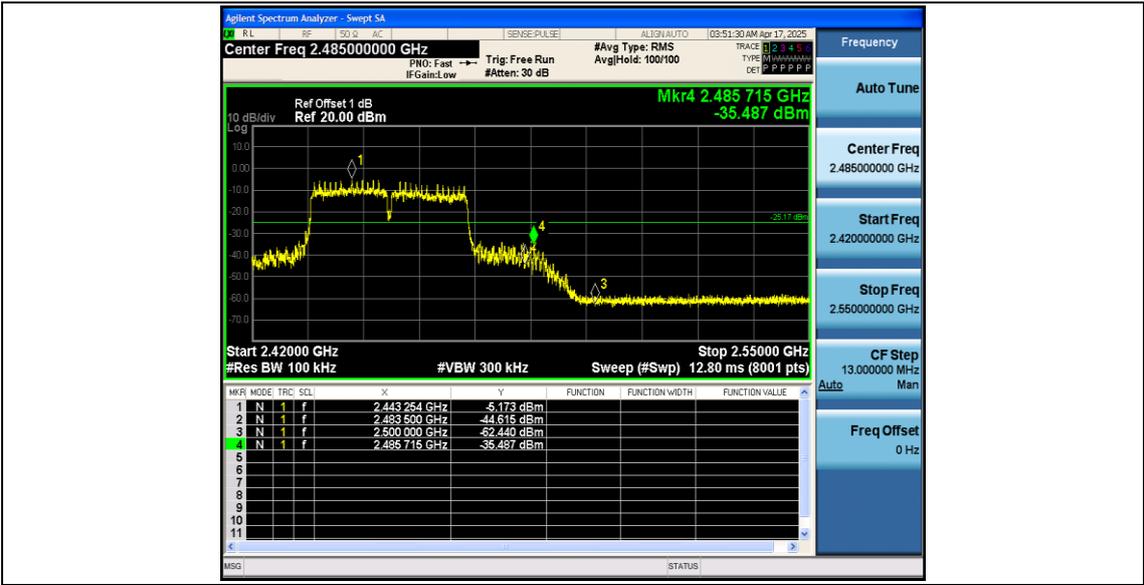
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

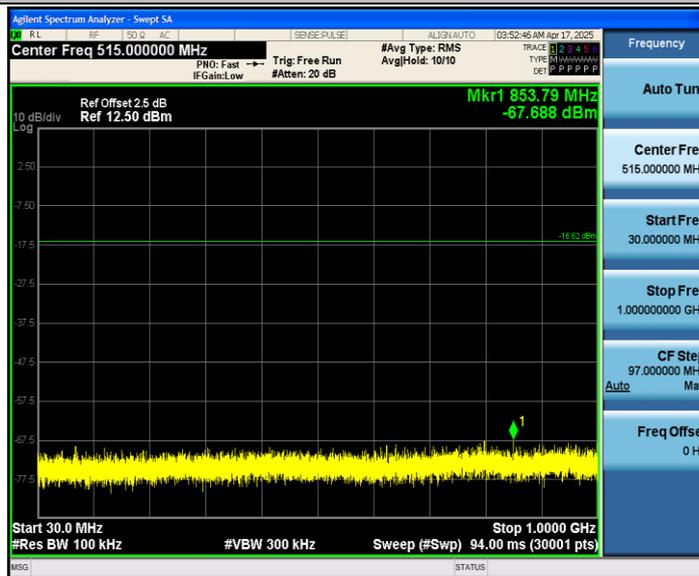
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-67.69	≤-16.62	PASS
			1000~26500	3.38	-39.42	≤-16.62	PASS
		2437	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-67.85	≤-17.31	PASS
			1000~26500	2.69	-37.48	≤-17.31	PASS
		2462	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-67.97	≤-16.54	PASS
			1000~26500	3.46	-31.08	≤-16.54	PASS
11G	Ant1	2412	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-67.83	≤-21.2	PASS
			1000~26500	-1.20	-49.04	≤-21.2	PASS
		2437	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-66.9	≤-21.26	PASS
			1000~26500	-1.26	-49.21	≤-21.26	PASS
		2462	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-67.17	≤-22.46	PASS
			1000~26500	-2.46	-41.69	≤-22.46	PASS
11N20SISO	Ant1	2412	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-67.54	≤-21.19	PASS
			1000~26500	-1.19	-52.76	≤-21.19	PASS
		2437	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-67.91	≤-21.78	PASS
			1000~26500	-1.78	-49.75	≤-21.78	PASS
		2462	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-59.52	≤-22.51	PASS
			1000~26500	-2.51	-45.75	≤-22.51	PASS
11N40SISO	Ant1	2422	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-68.28	≤-24.49	PASS
			1000~26500	-4.49	-52.31	≤-24.49	PASS
		2437	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-66.69	≤-24.21	PASS
			1000~26500	-4.21	-50.09	≤-24.21	PASS
		2452	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-68.03	≤-24.35	PASS
			1000~26500	-4.35	-46.73	≤-24.35	PASS

Test Graphs

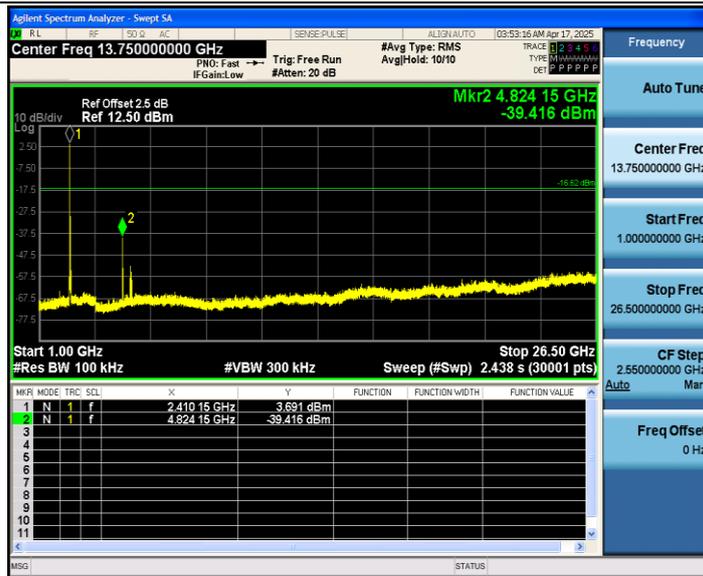
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

