

Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BSB9-DK-CY1

Company : D. CO INTERNATIONAL EQUIPMENT
MANUFACTURING (HENAN) CO.,LTD.

EUT : Intelligent liquid dispenser

Model Number : DK-CY1

Report No. : CTA25062600301

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	8.560	2407.960	2416.520	0.5	PASS
		2437	9.200	2432.040	2441.240	0.5	PASS
		2462	9.560	2457.000	2466.560	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
		2437	16.520	2428.760	2445.280	0.5	PASS
		2462	16.560	2453.720	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.280	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	33.600	2405.520	2439.120	0.5	PASS
		2437	33.440	2420.440	2453.880	0.5	PASS
		2452	33.920	2435.120	2469.040	0.5	PASS

Test Graphs

11B_Ant1_2412



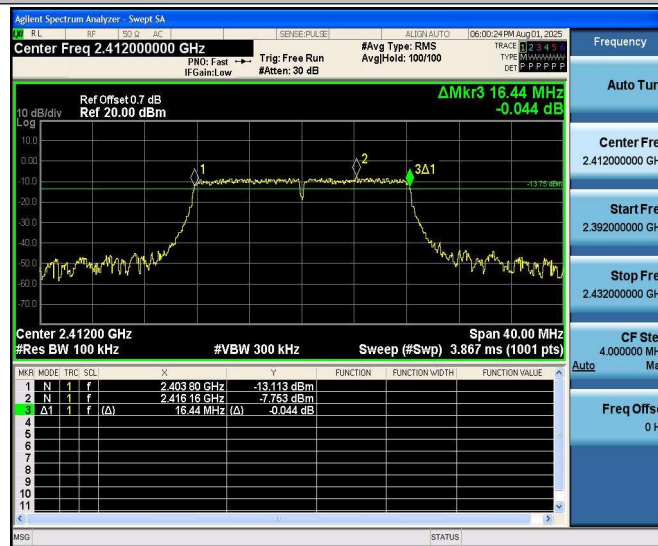
11B_Ant1_2437



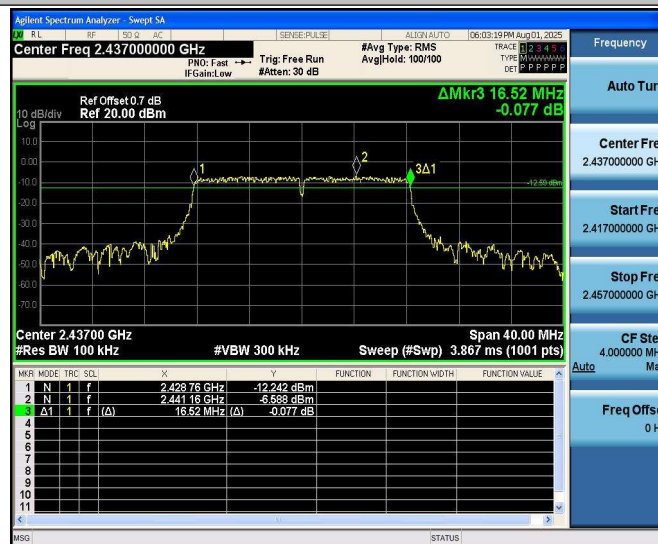
11B_Ant1_2462



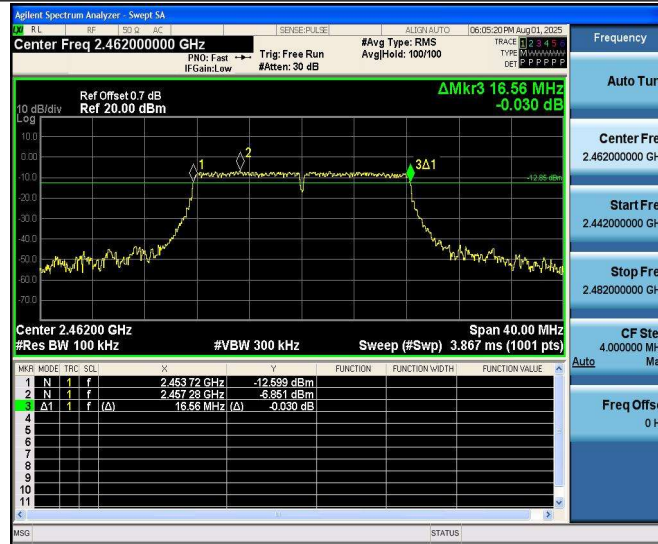
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



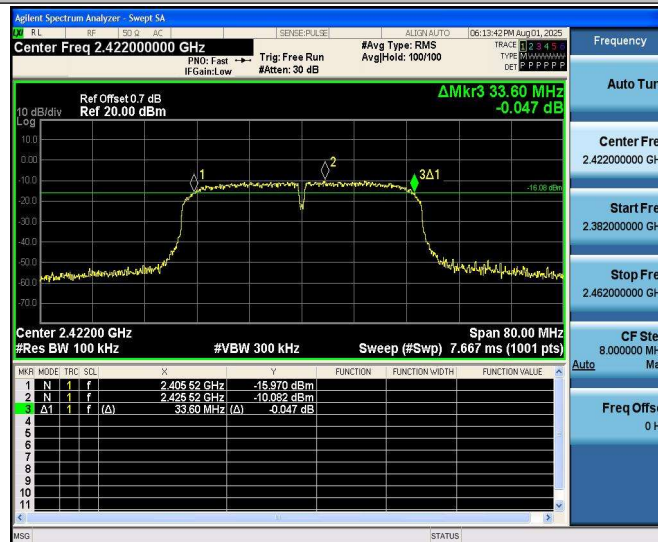
11N20SISO_Ant1_2437



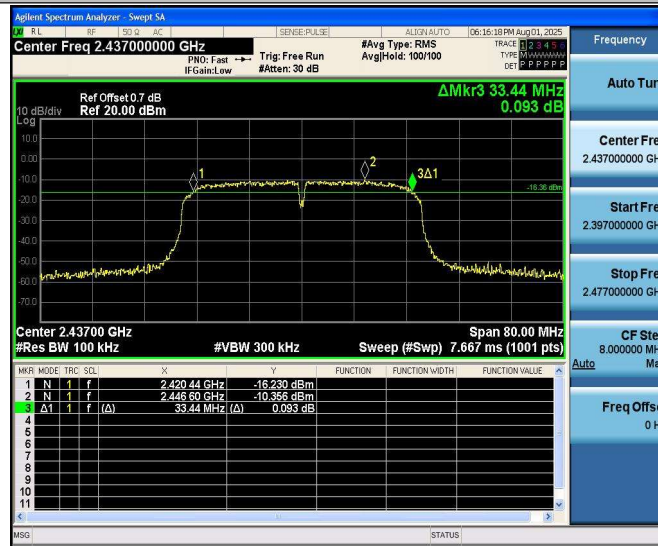
11N20SISO_Ant1_2462



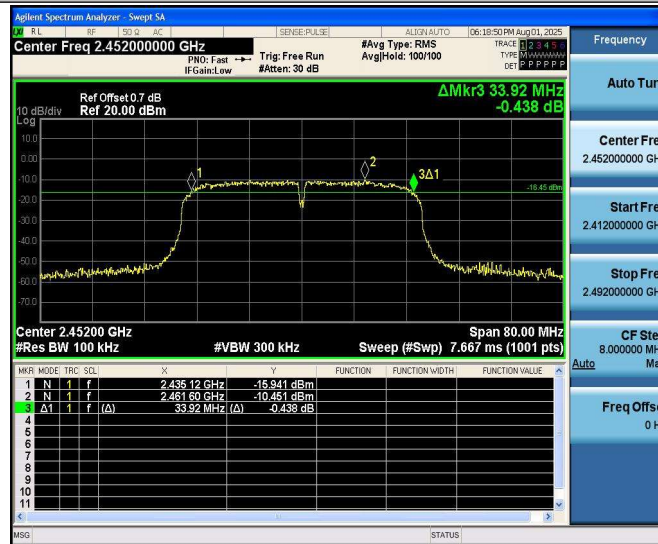
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



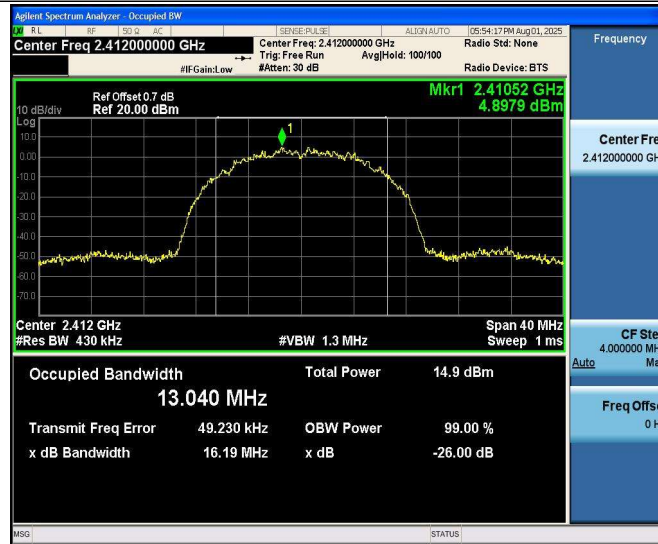
Appendix B: Occupied Channel Bandwidth

Test Result

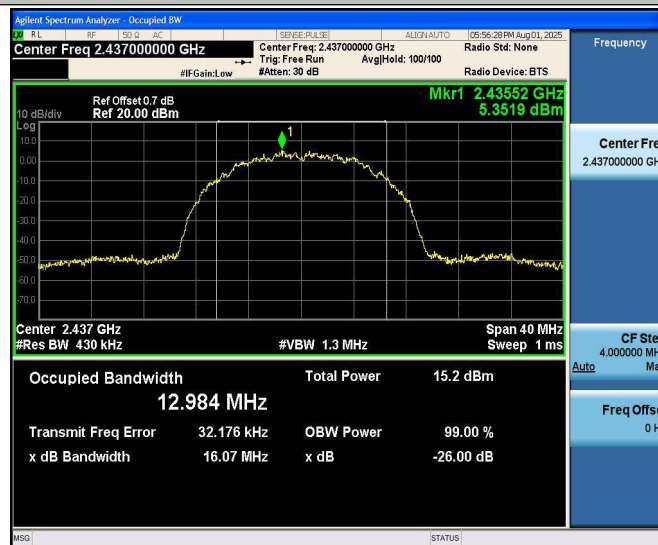
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.040	2405.5292	2418.5692	---	---
		2437	12.984	2430.5402	2443.5242	---	---
		2462	13.022	2455.4749	2468.4969	---	---
11G	Ant1	2412	16.604	2403.7466	2420.3506	---	---
		2437	16.575	2428.7557	2445.3307	---	---
		2462	16.575	2453.7426	2470.3176	---	---
11N20SISO	Ant1	2412	17.465	2403.3251	2420.7901	---	---
		2437	17.454	2428.3085	2445.7625	---	---
		2462	17.466	2453.2907	2470.7567	---	---
11N40SISO	Ant1	2422	34.688	2404.8276	2439.5156	---	---
		2437	34.792	2419.7316	2454.5236	---	---
		2452	34.737	2434.7521	2469.4891	---	---

Test Graphs

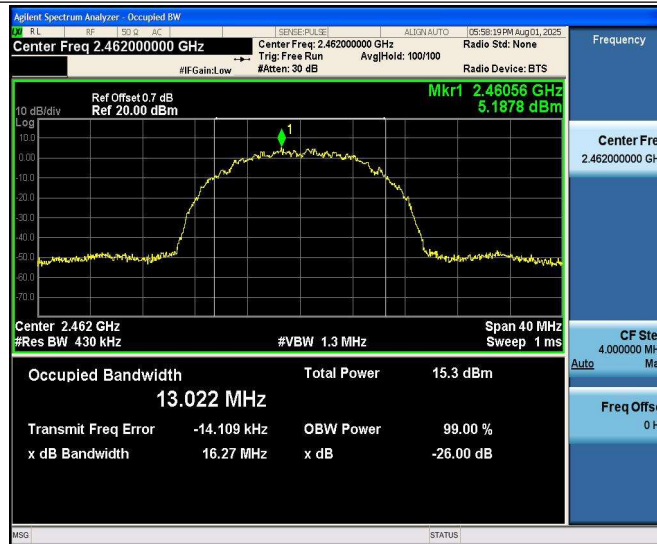
11B_Ant1_2412



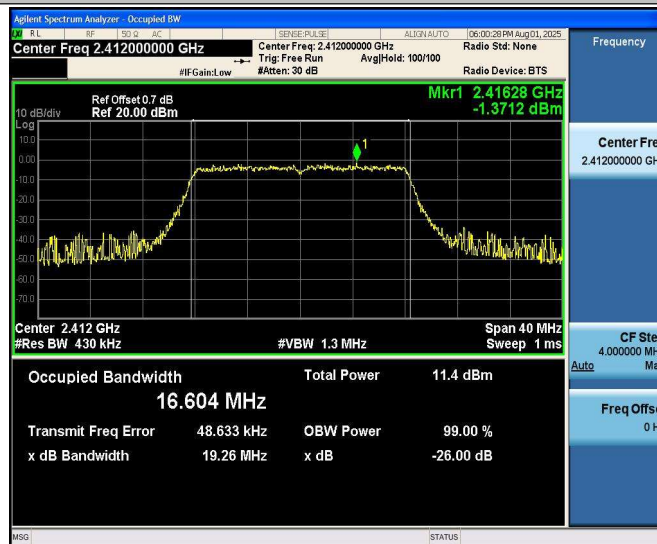
11B_Ant1_2437



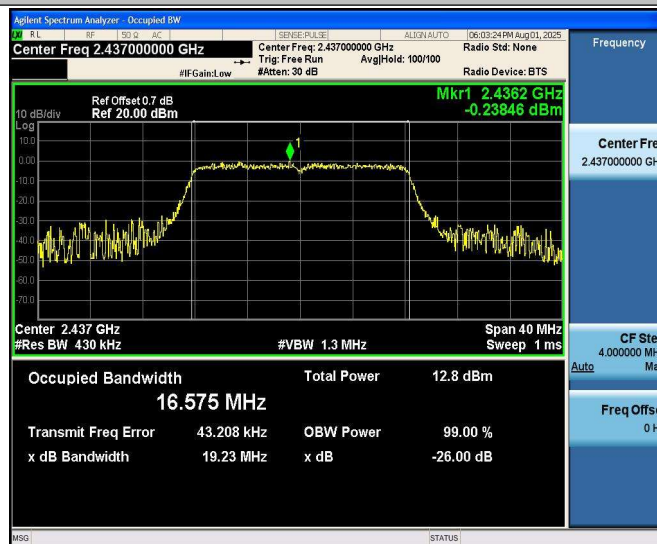
11B_Ant1_2462



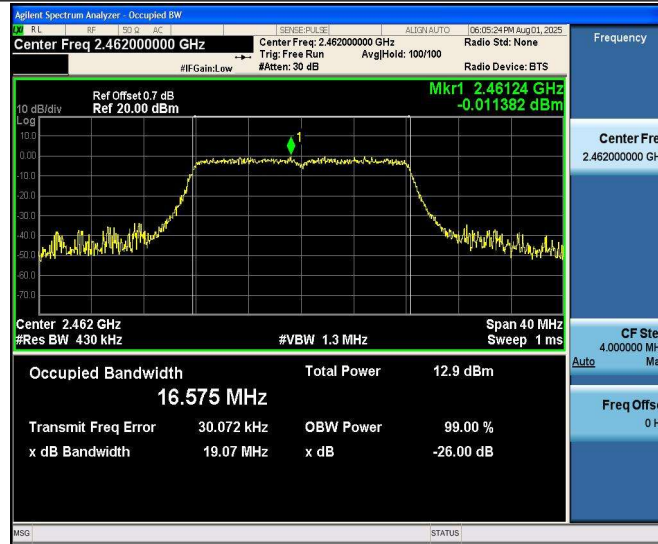
11G_Ant1_2412



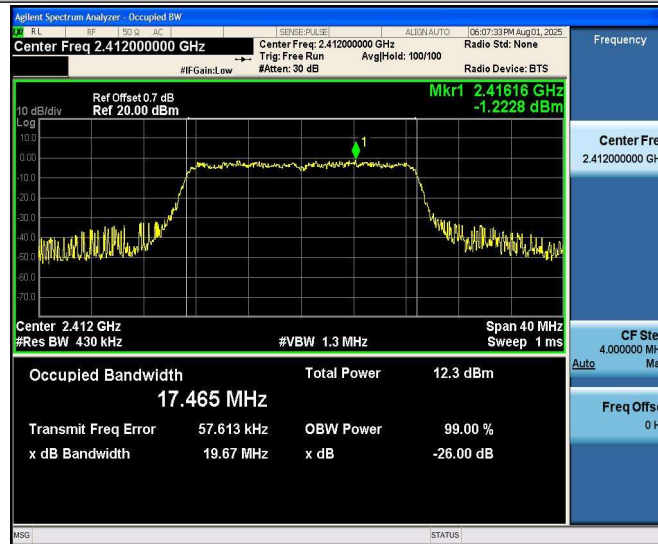
11G_Ant1_2437



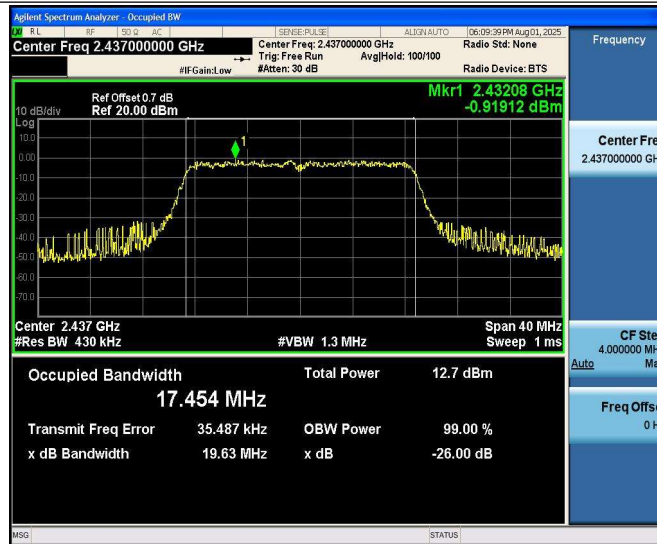
11G_Ant1_2462



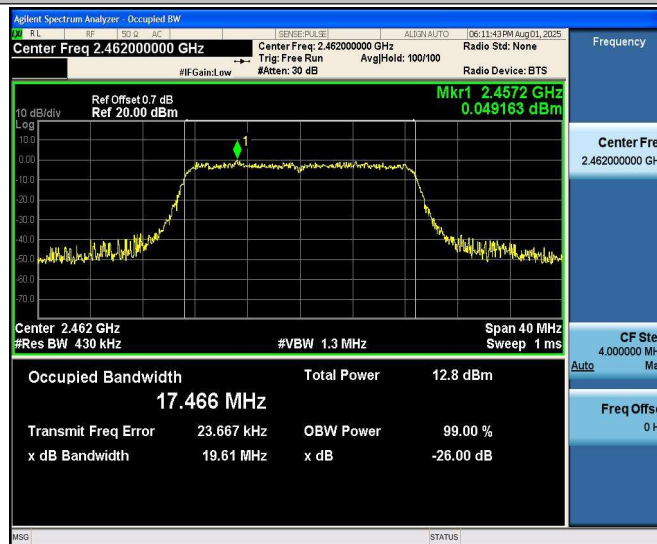
11N20SISO_Ant1_2412



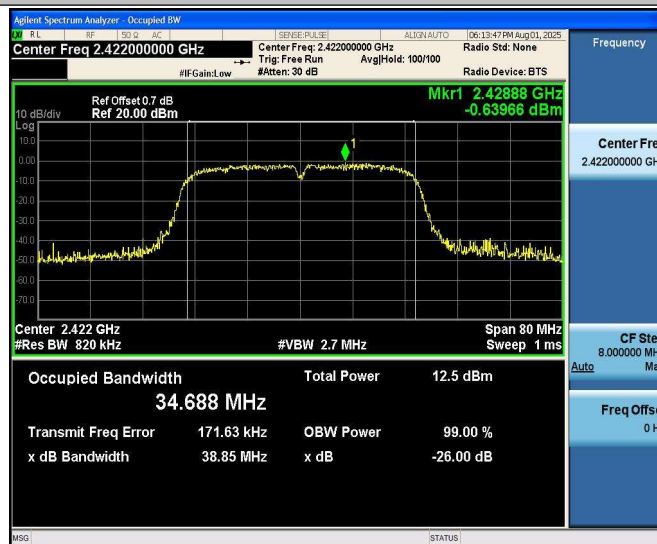
11N20SISO_Ant1_2437



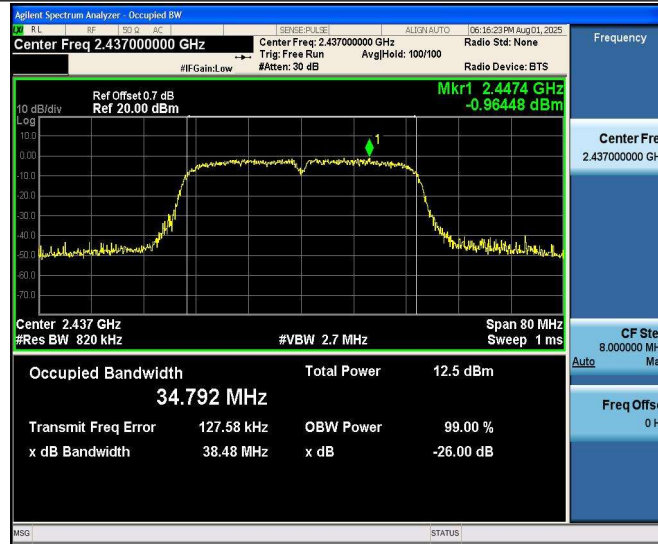
11N20SISO_Ant1_2462



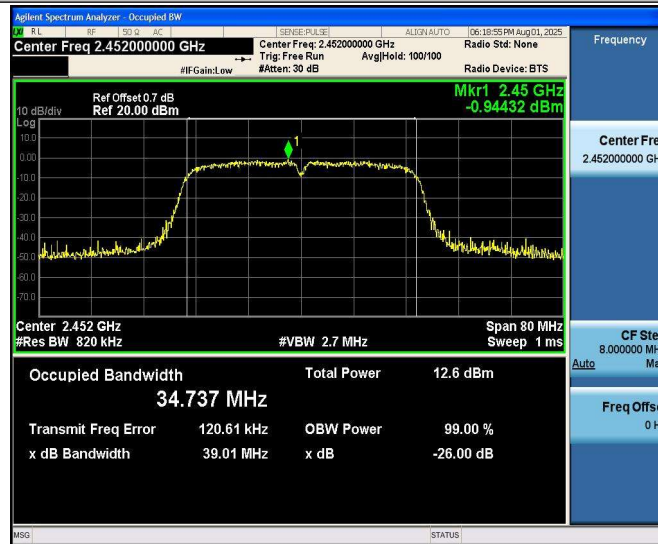
11N40SISO_Ant1_2422



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	14.33	≤30.00	PASS
		2437	14.88	≤30.00	PASS
		2462	14.84	≤30.00	PASS
11G	Ant1	2412	13.31	≤30.00	PASS
		2437	13.68	≤30.00	PASS
		2462	13.75	≤30.00	PASS
11N20SISO	Ant1	2412	13.45	≤30.00	PASS
		2437	13.89	≤30.00	PASS
		2462	13.92	≤30.00	PASS
11N40SISO	Ant1	2422	12.88	≤30.00	PASS
		2437	12.73	≤30.00	PASS
		2452	12.80	≤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	-15.13	≤8.00	PASS
		2437	-14.02	≤8.00	PASS
		2462	-14.46	≤8.00	PASS
11G	Ant1	2412	-21.11	≤8.00	PASS
		2437	-21.02	≤8.00	PASS
		2462	-20.72	≤8.00	PASS
11N20SISO	Ant1	2412	-20.98	≤8.00	PASS
		2437	-20.86	≤8.00	PASS
		2462	-20.36	≤8.00	PASS
11N40SISO	Ant1	2422	-22.52	≤8.00	PASS
		2437	-22.62	≤8.00	PASS
		2452	-22.09	≤8.00	PASS