

Appendix: Zigbee

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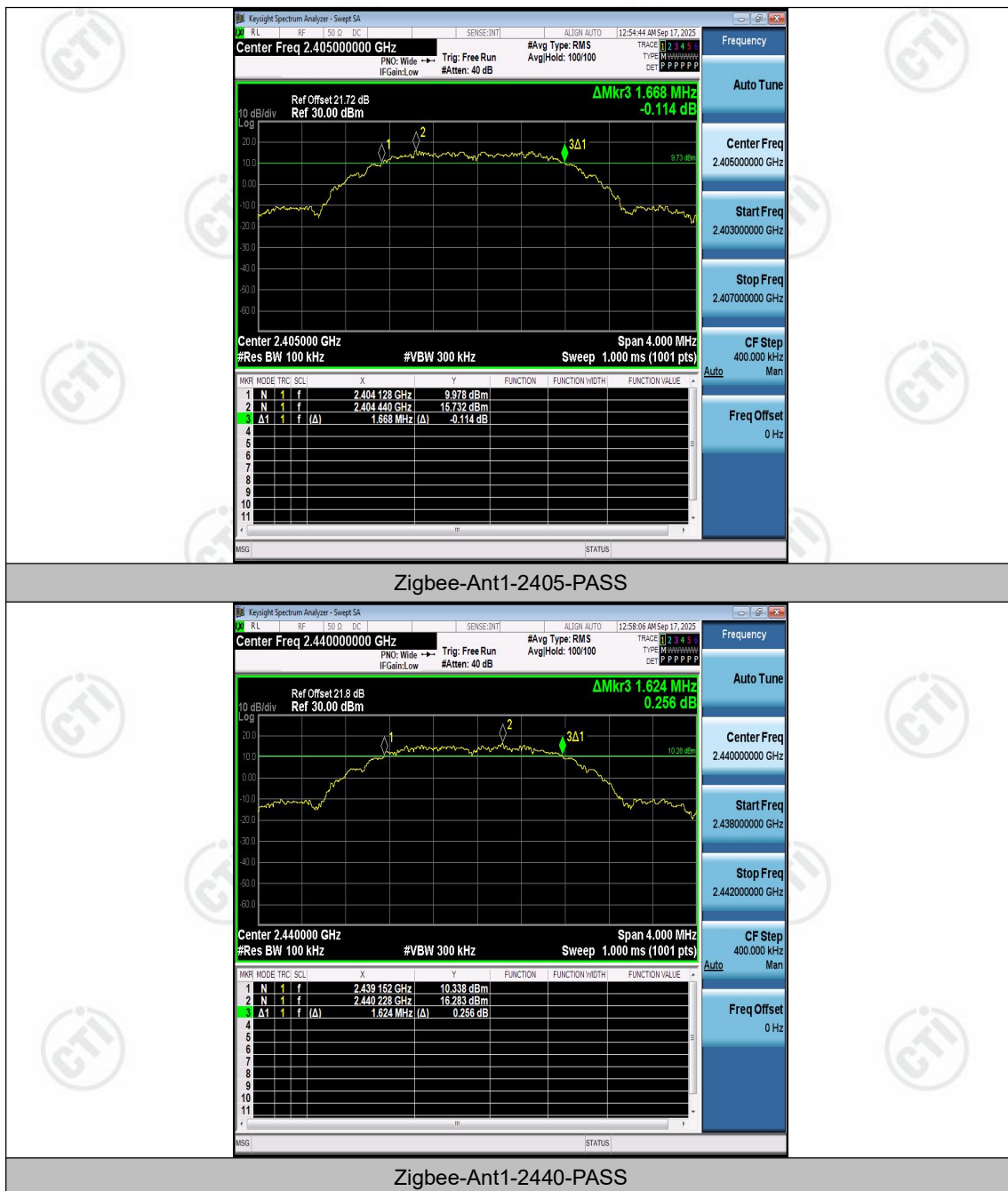
 Test Result 24

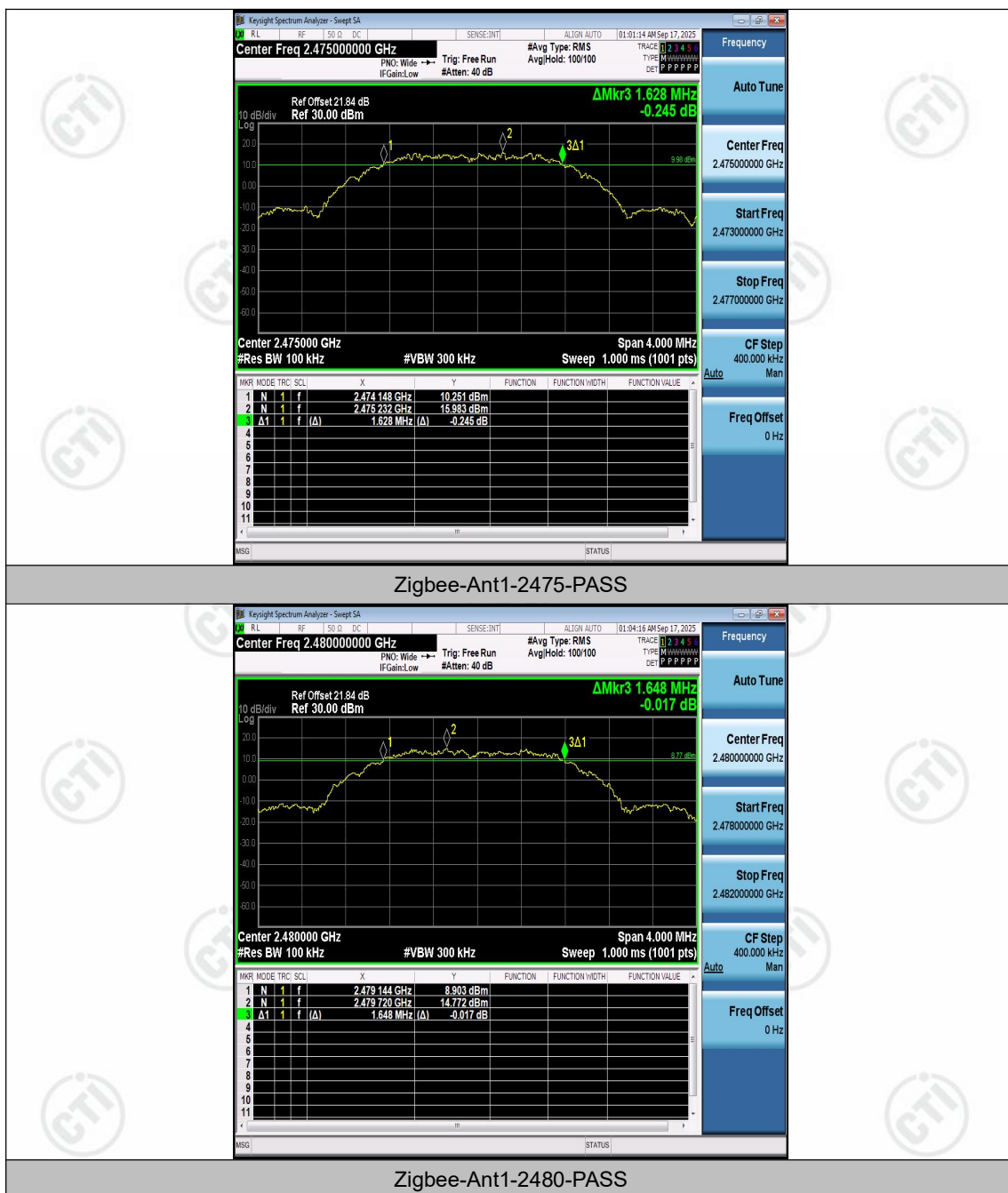
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Appendix A: DTS Bandwidth**Test Result**

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Zigbee	Ant1	2405	1.668	2404.128	2405.796	0.5	PASS
Zigbee	Ant1	2440	1.624	2439.152	2440.776	0.5	PASS
Zigbee	Ant1	2475	1.628	2474.148	2475.776	0.5	PASS
Zigbee	Ant1	2480	1.648	2479.144	2480.792	0.5	PASS

Test Graphs





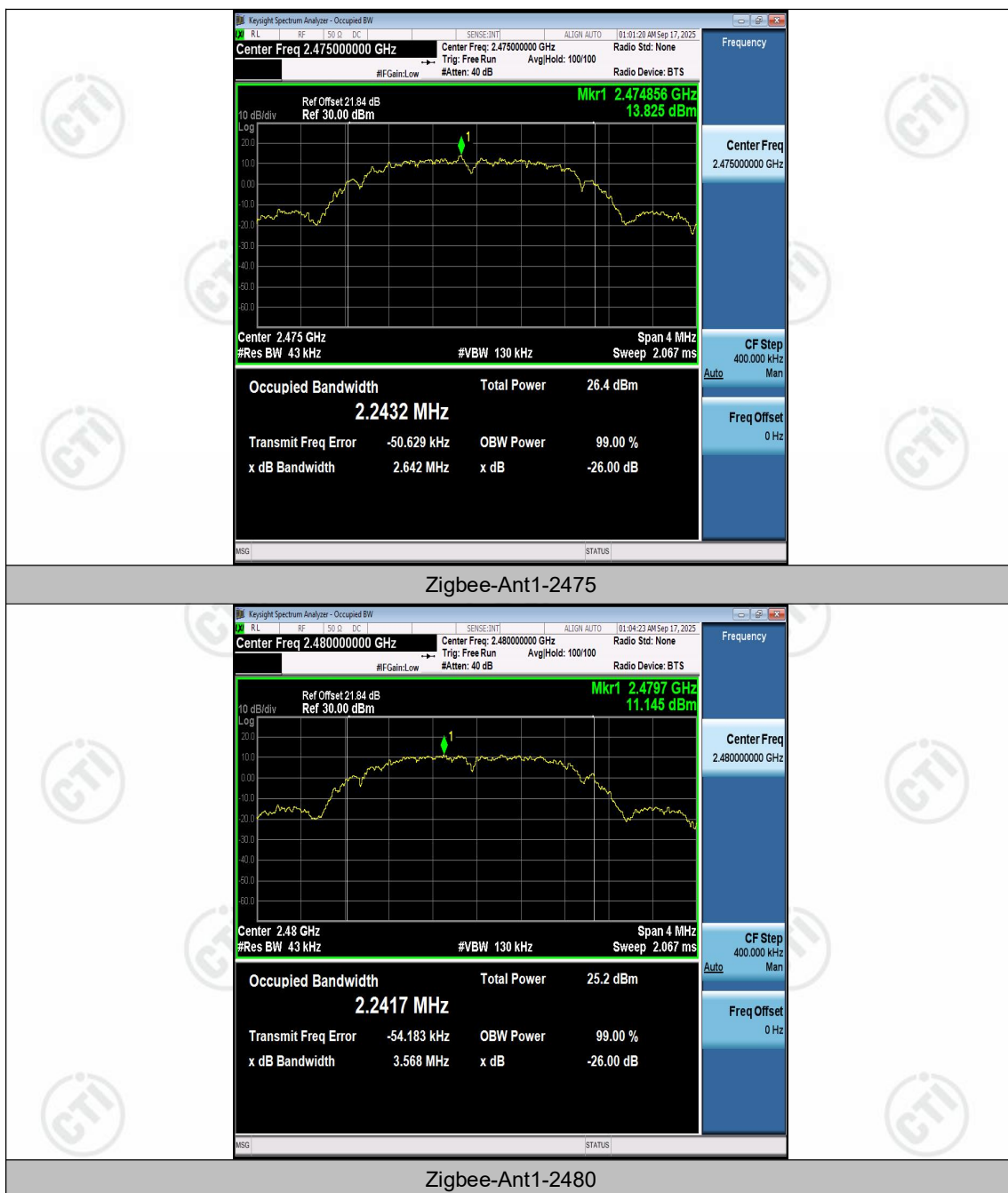
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Zigbee	Ant1	2405	2.2333	2403.8381	2406.0714	---	---
Zigbee	Ant1	2440	2.2387	2438.8351	2441.0738	---	---
Zigbee	Ant1	2475	2.2432	2473.8278	2476.0710	---	---
Zigbee	Ant1	2480	2.2417	2478.8250	2481.0667	---	---

Test Graphs



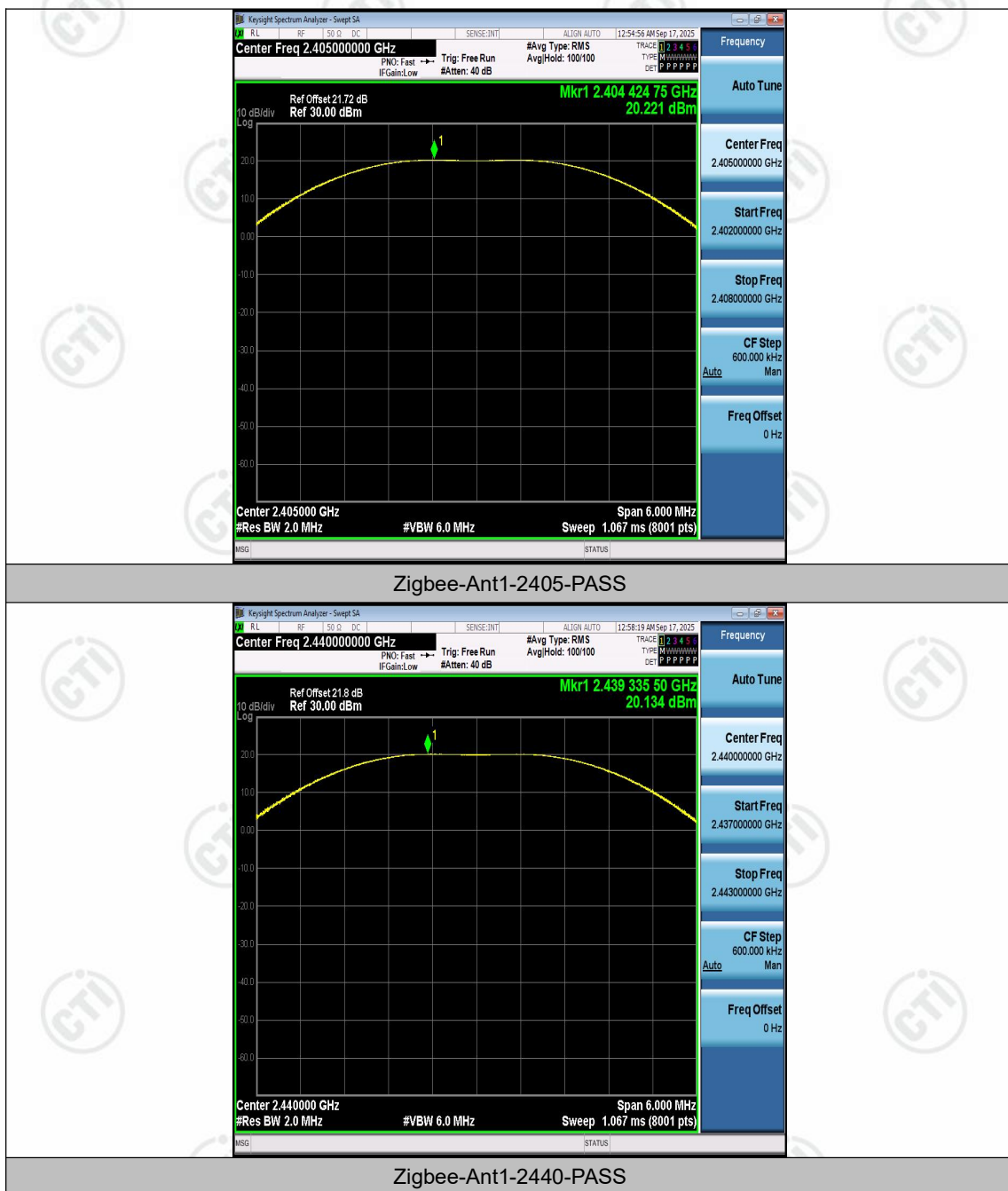


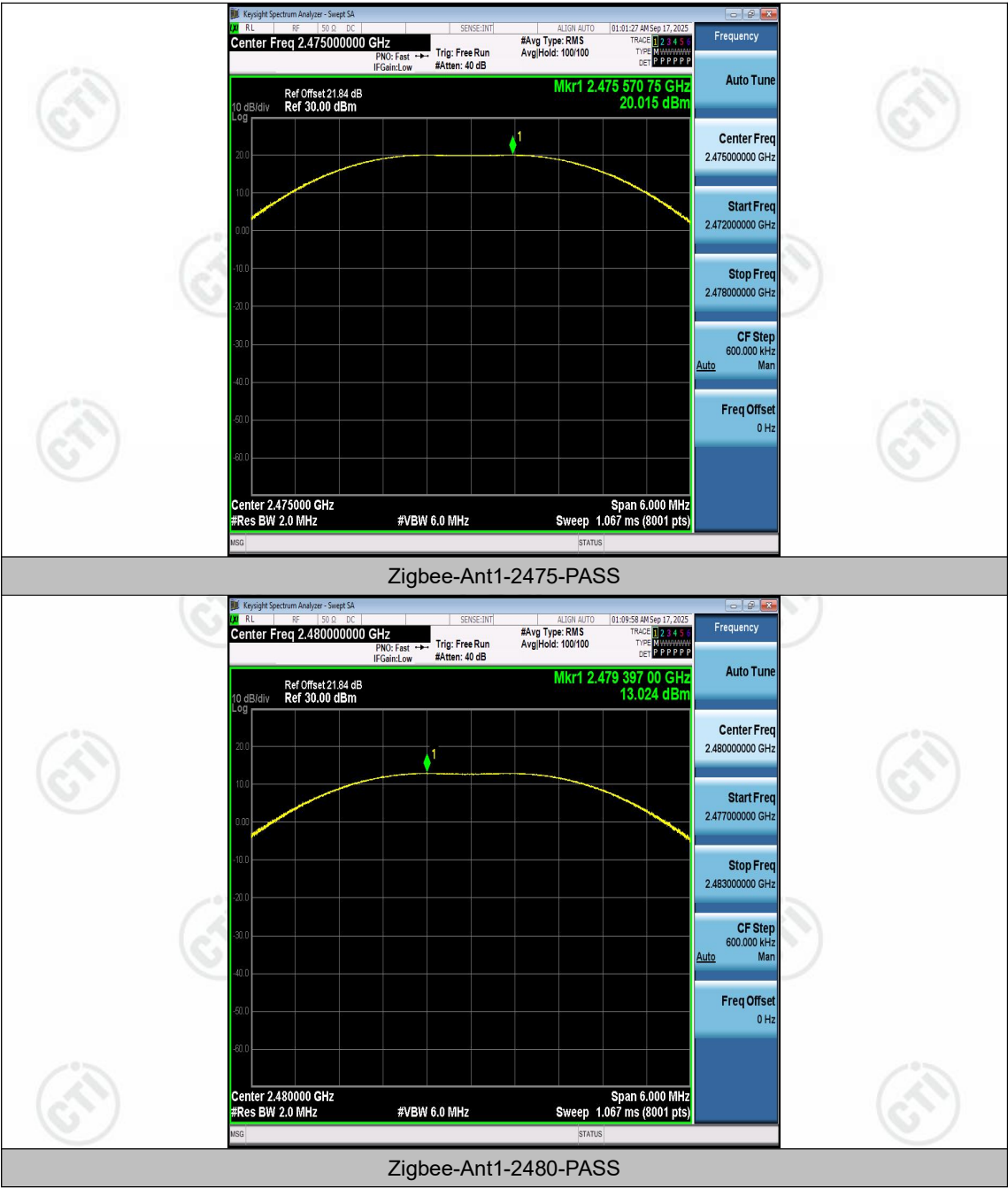
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
Zigbee	Ant1	2405	20.22	≤30	20.22	≤36	PASS
Zigbee	Ant1	2440	20.13	≤30	20.13	≤36	PASS
Zigbee	Ant1	2475	20.02	≤30	20.02	≤36	PASS
Zigbee	Ant1	2480	13.02	≤30	13.02	≤36	PASS

Test Graphs Peak



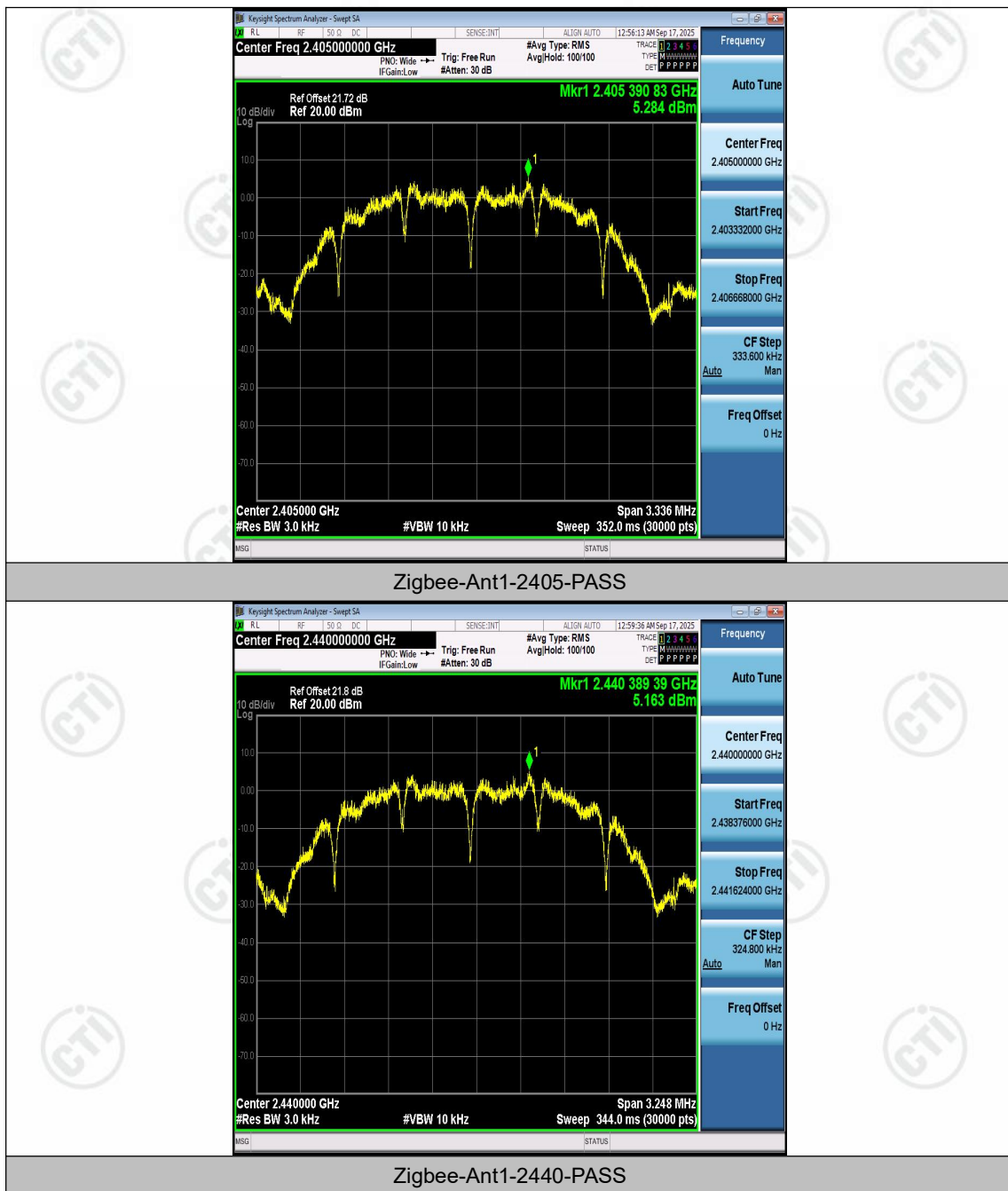


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Zigbee	Ant1	2405	5.28	≤8.00	PASS
Zigbee	Ant1	2440	5.16	≤8.00	PASS
Zigbee	Ant1	2475	4.99	≤8.00	PASS
Zigbee	Ant1	2480	-2.50	≤8.00	PASS

Test Graphs



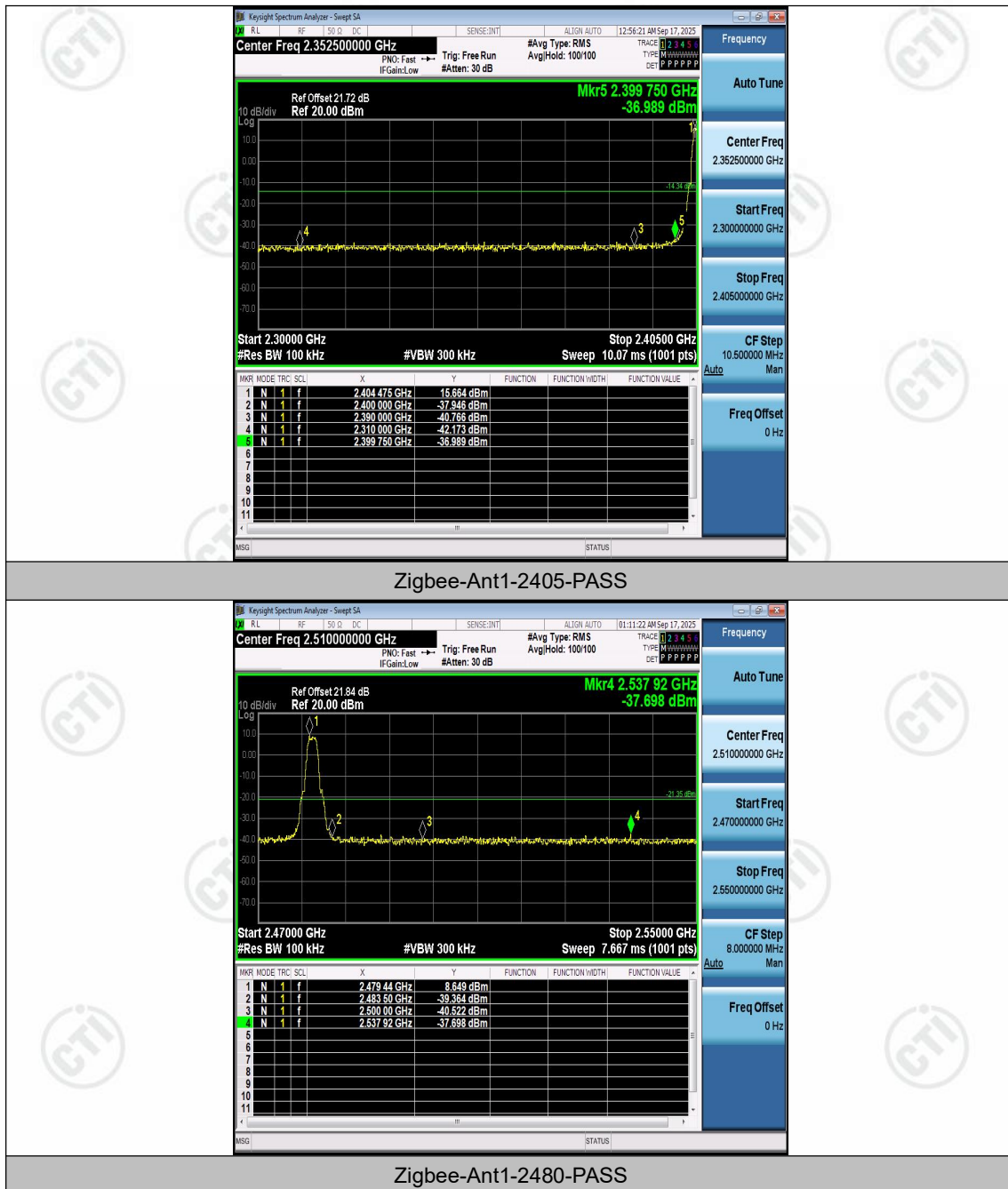


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
Zigbee	Ant1	Low	2405	15.66	-36.99	≤-14.34	PASS
Zigbee	Ant1	High	2480	8.65	-37.7	≤-21.35	PASS

Test Graphs

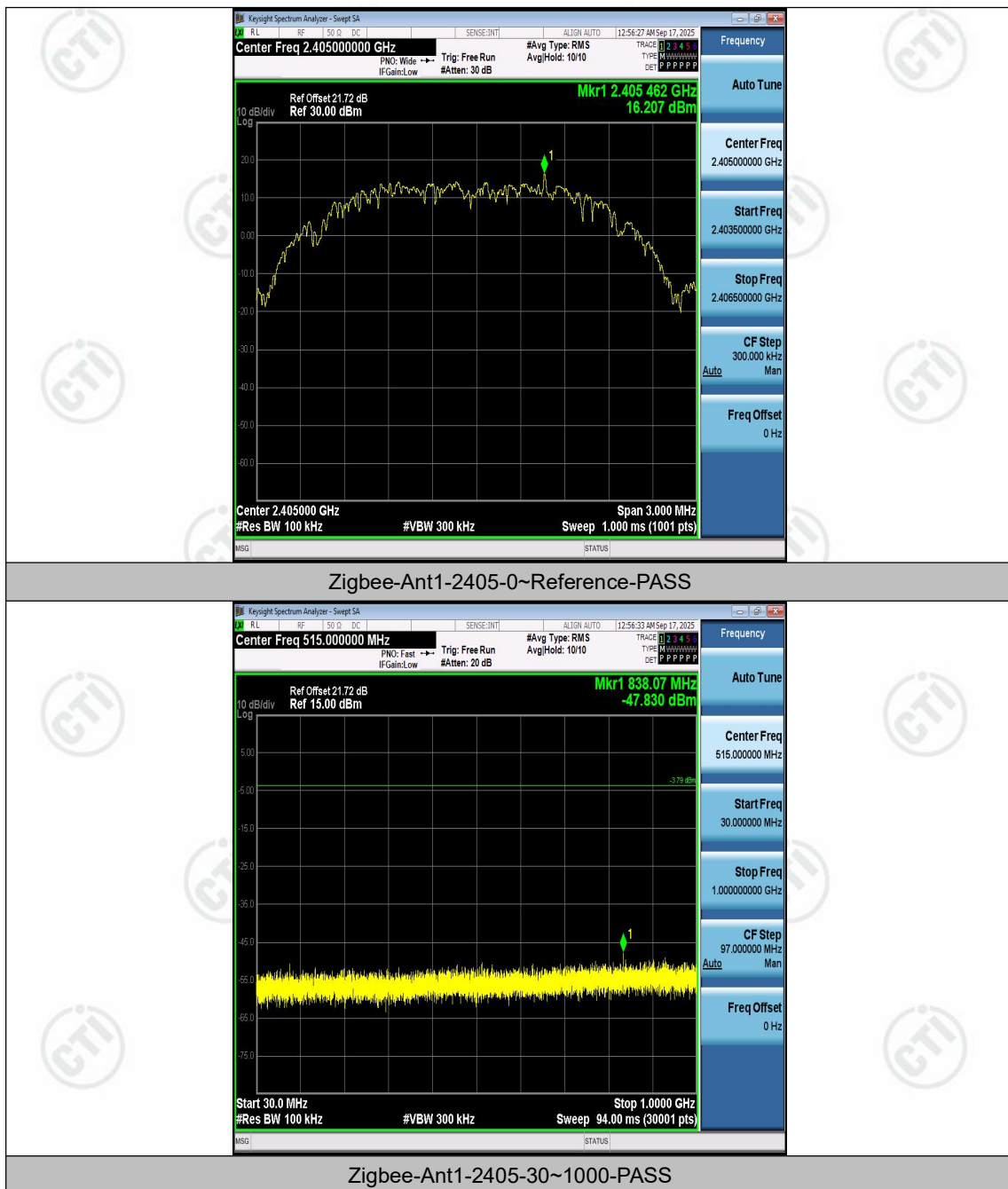


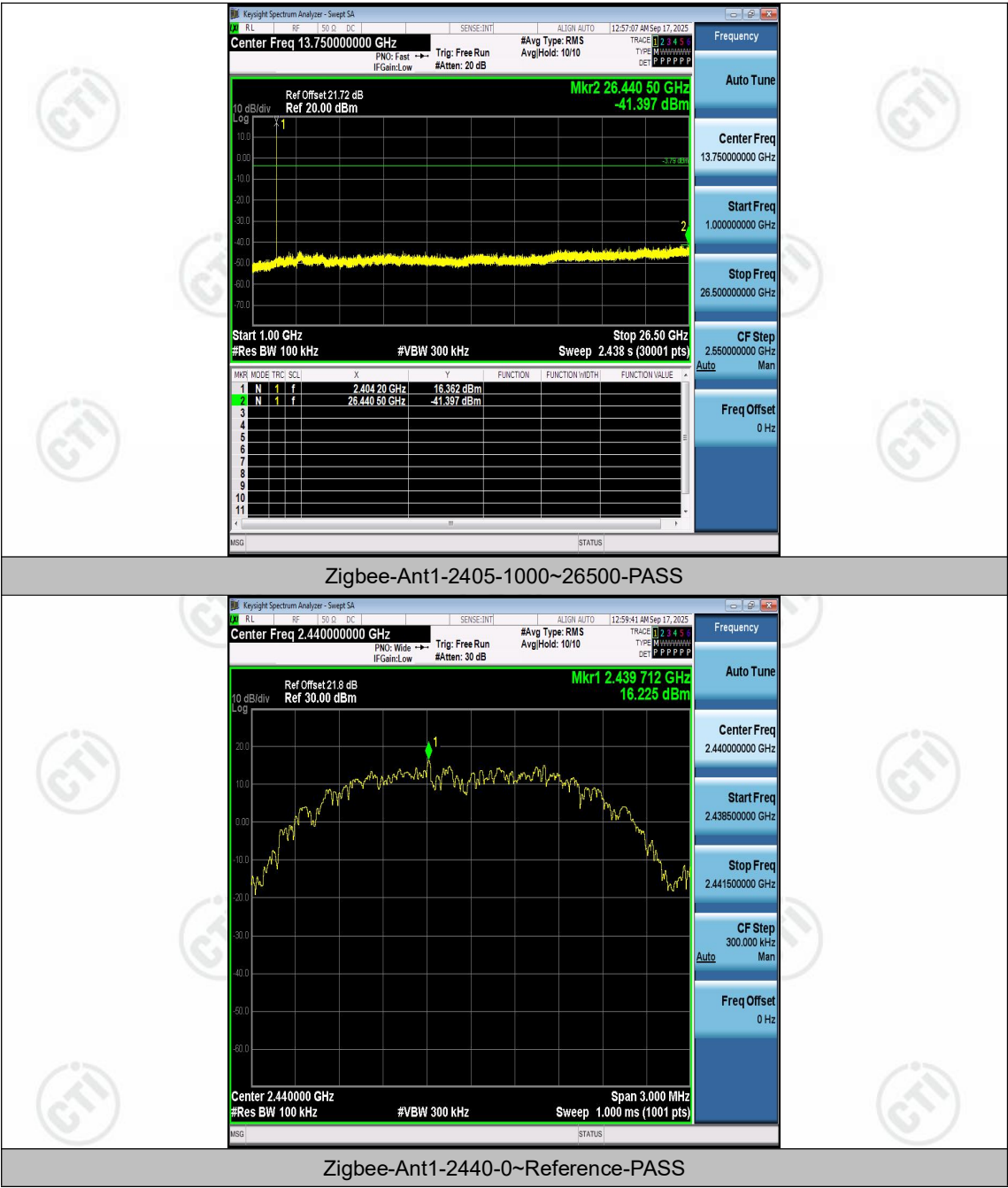
Appendix F: Conducted Spurious Emission

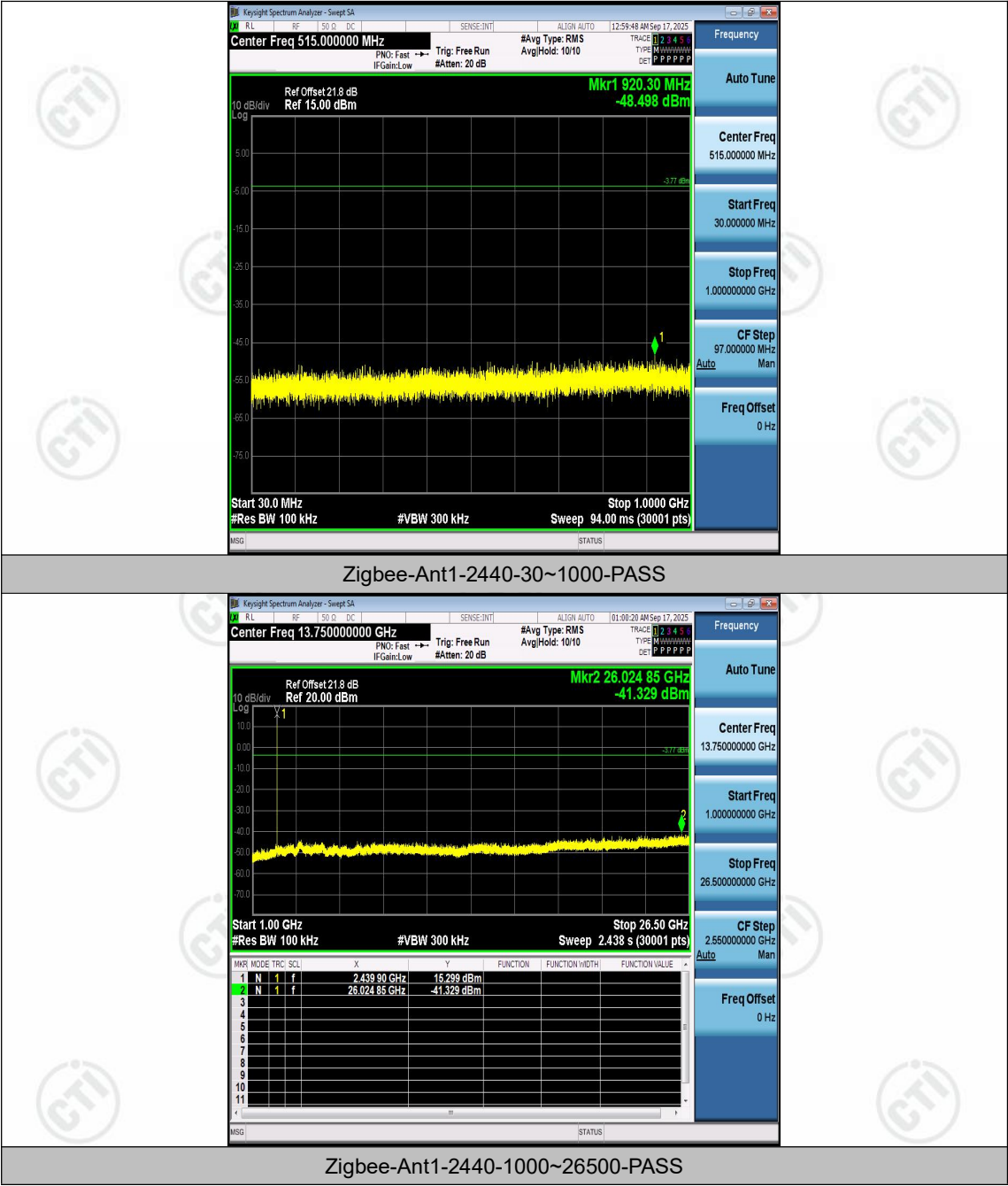
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
Zigbee	Ant1	2405	0~Reference	16.21	16.21	---	PASS
Zigbee	Ant1	2405	30~1000	16.21	-47.83	≤ -3.79	PASS
Zigbee	Ant1	2405	1000~26500	16.21	-41.4	≤ -3.79	PASS
Zigbee	Ant1	2440	0~Reference	16.23	16.23	---	PASS
Zigbee	Ant1	2440	30~1000	16.23	-48.5	≤ -3.77	PASS
Zigbee	Ant1	2440	1000~26500	16.23	-41.33	≤ -3.77	PASS
Zigbee	Ant1	2475	0~Reference	15.27	15.27	---	PASS
Zigbee	Ant1	2475	30~1000	15.27	-48.91	≤ -4.73	PASS
Zigbee	Ant1	2475	1000~26500	15.27	-41.49	≤ -4.73	PASS
Zigbee	Ant1	2480	0~Reference	7.97	7.97	---	PASS
Zigbee	Ant1	2480	30~1000	7.97	-49.02	≤ -12.03	PASS
Zigbee	Ant1	2480	1000~26500	7.97	-41.35	≤ -12.03	PASS

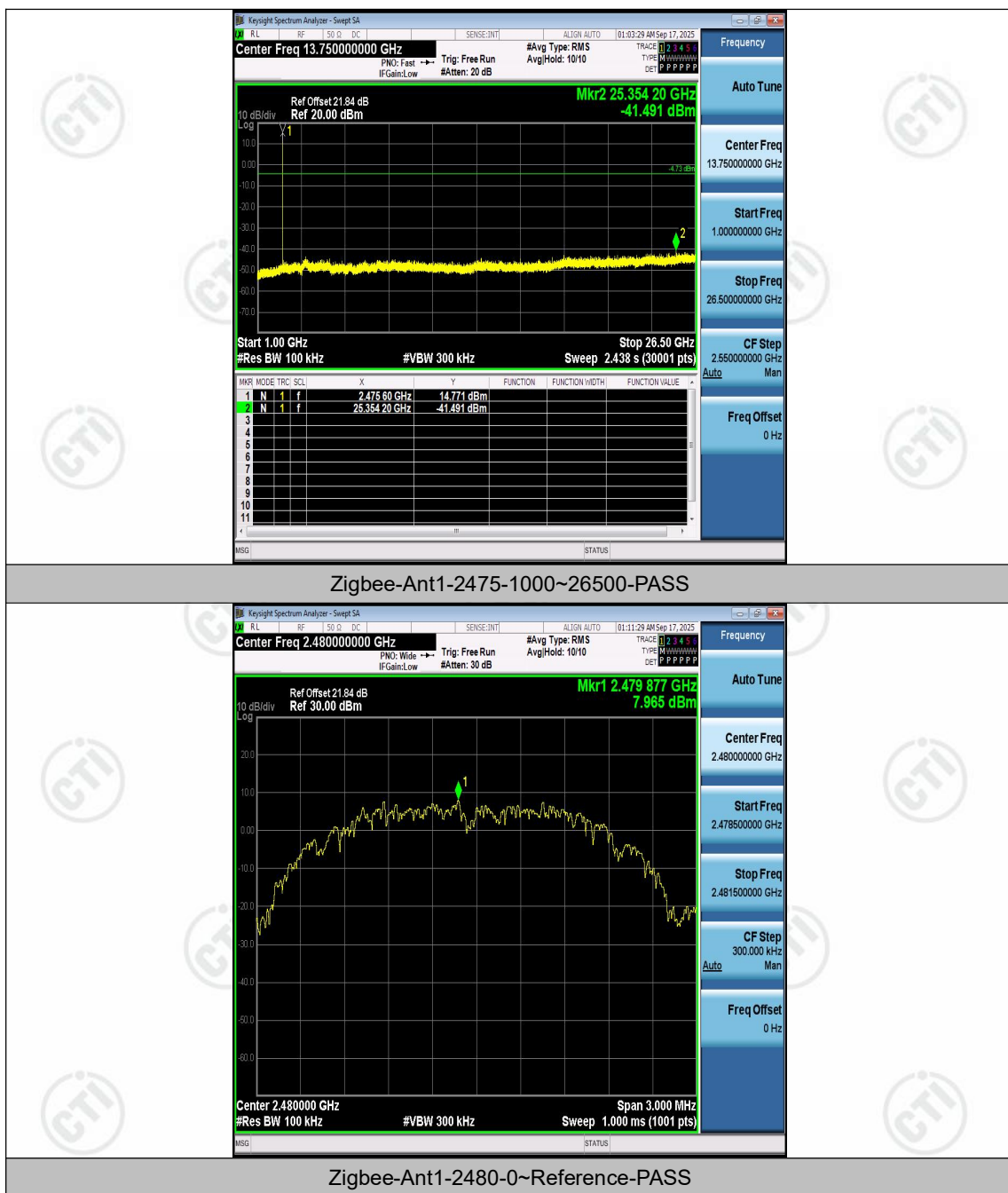
Test Graphs

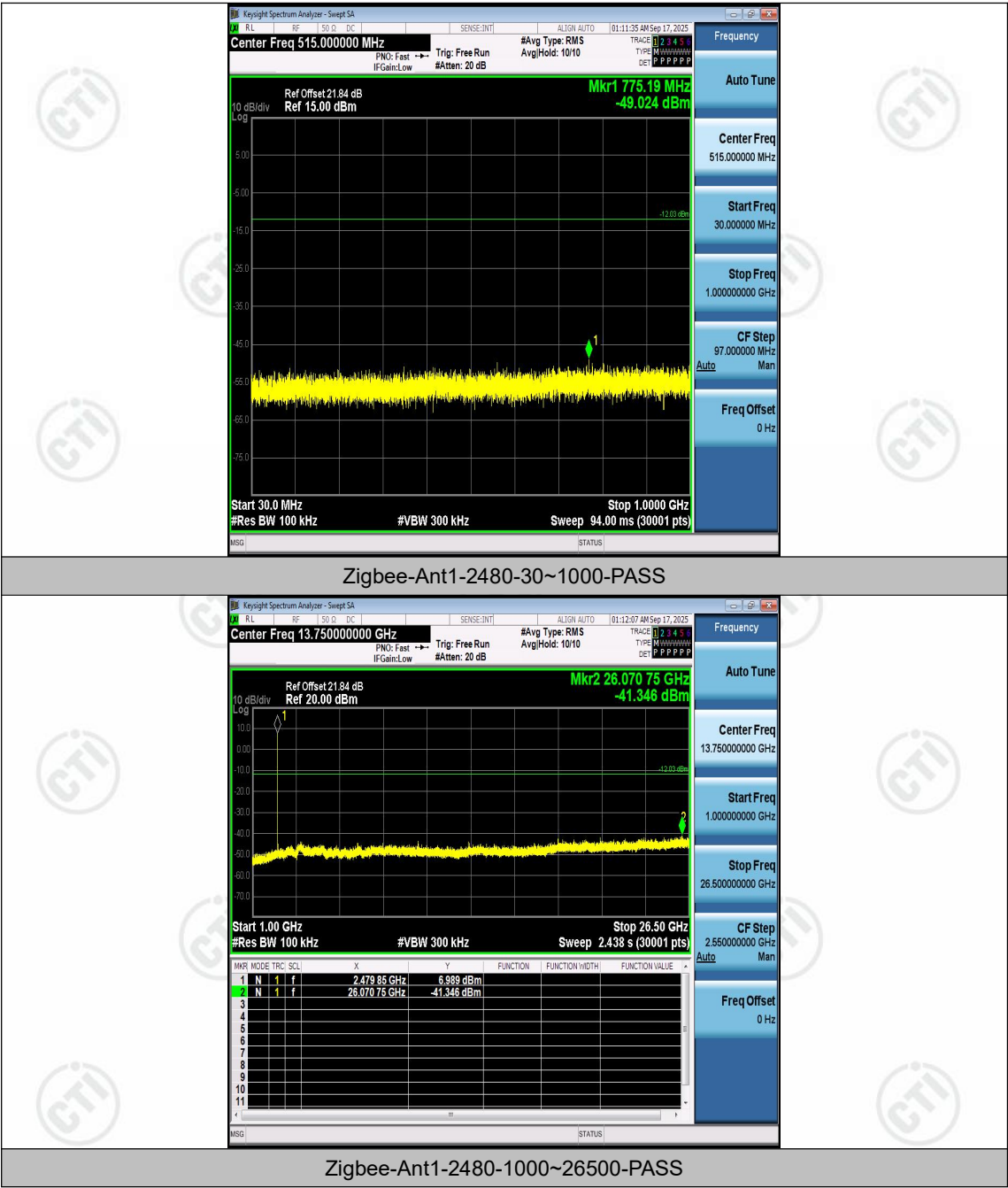










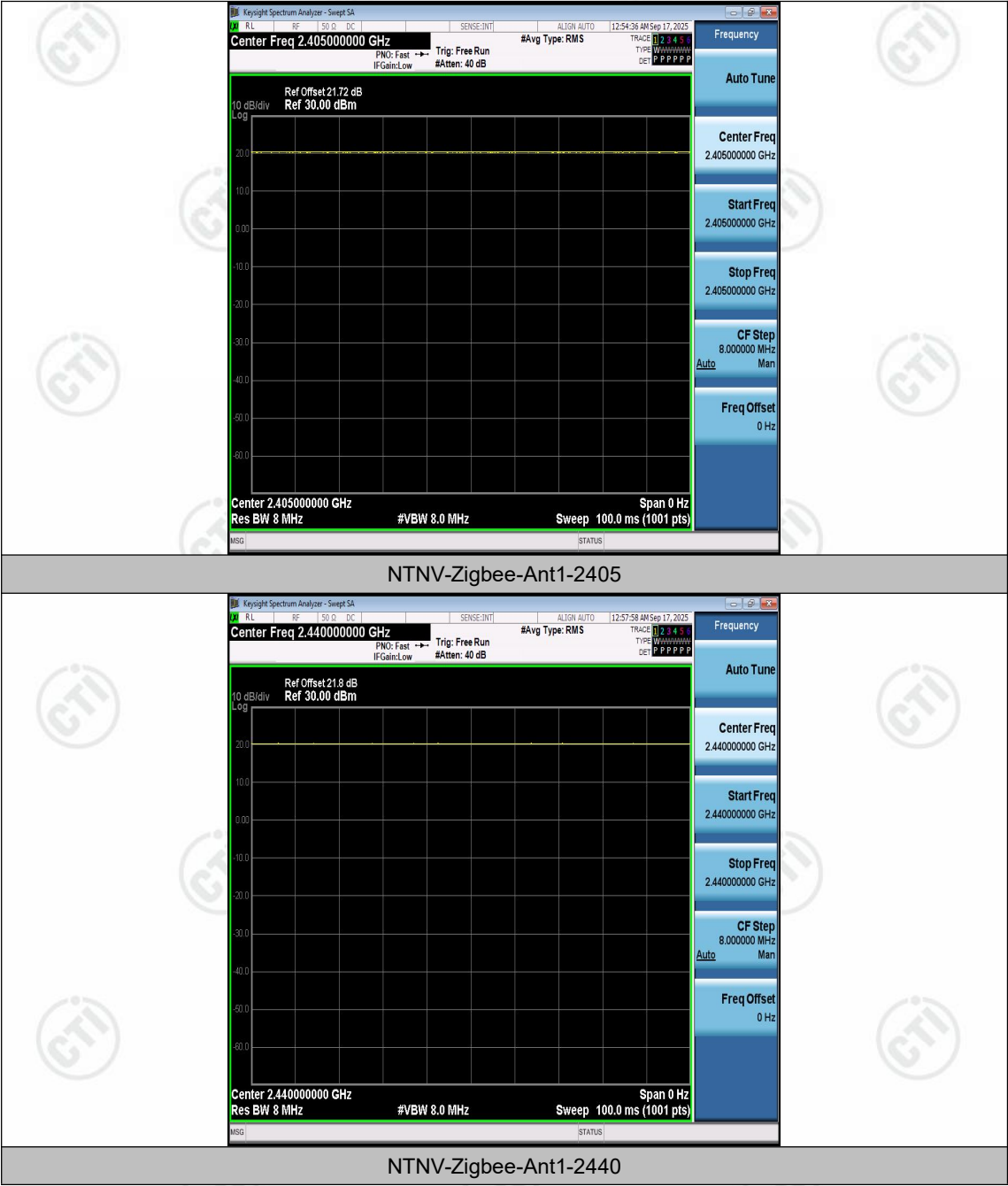


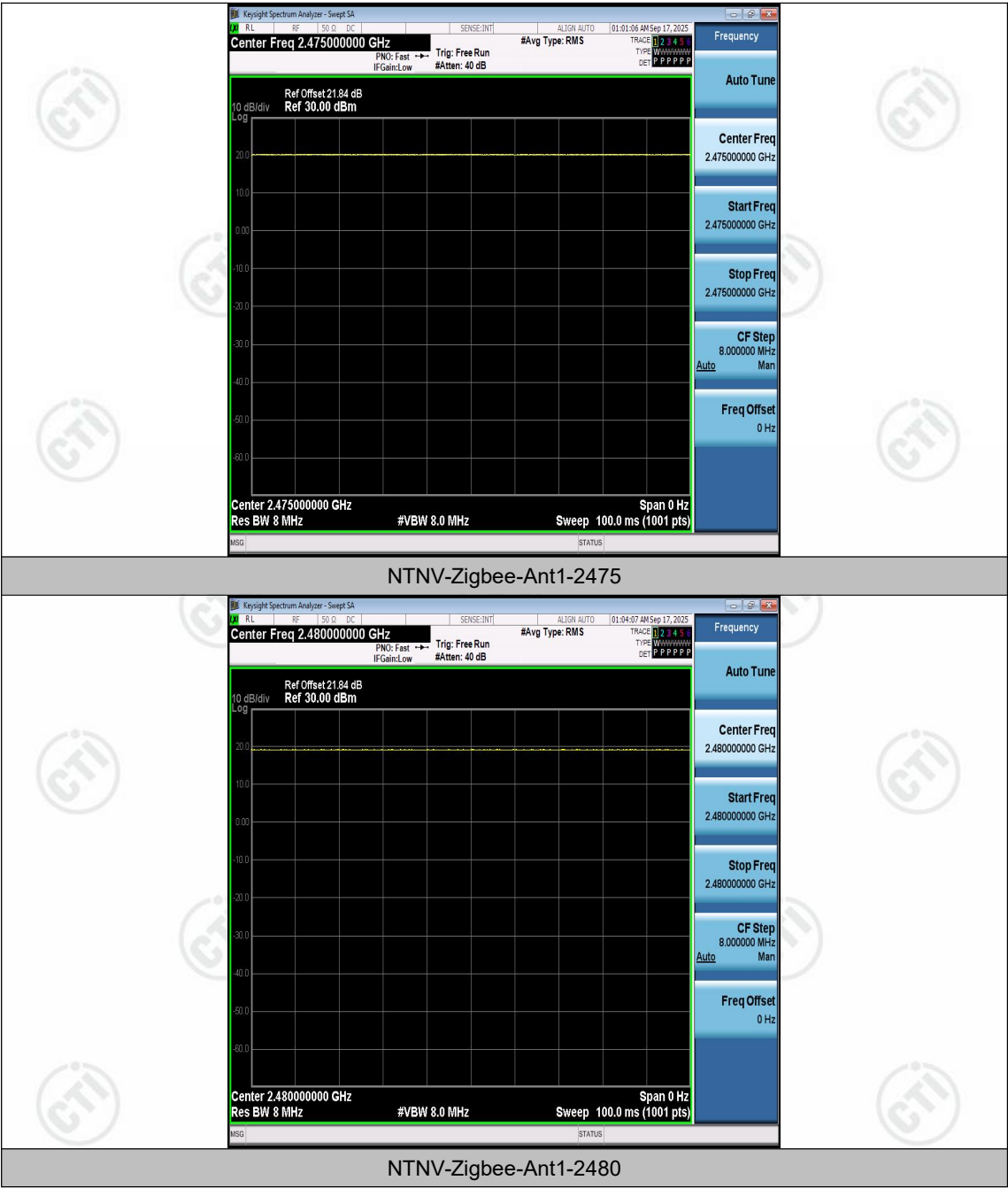
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
Zigbee	Ant1	2405	0.00	0.00	100	NaN
Zigbee	Ant1	2440	0.00	0.00	100	NaN
Zigbee	Ant1	2475	0.00	0.00	100	NaN
Zigbee	Ant1	2480	0.00	0.00	100	NaN

Test Graphs





*** End of Report ***