

Appendix Test Data

Report No.:	1812C60130712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-11	Finish Test Date:	2026-3-12
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.5℃	Relative Humidity:	61%
Pressure:	101kPa		

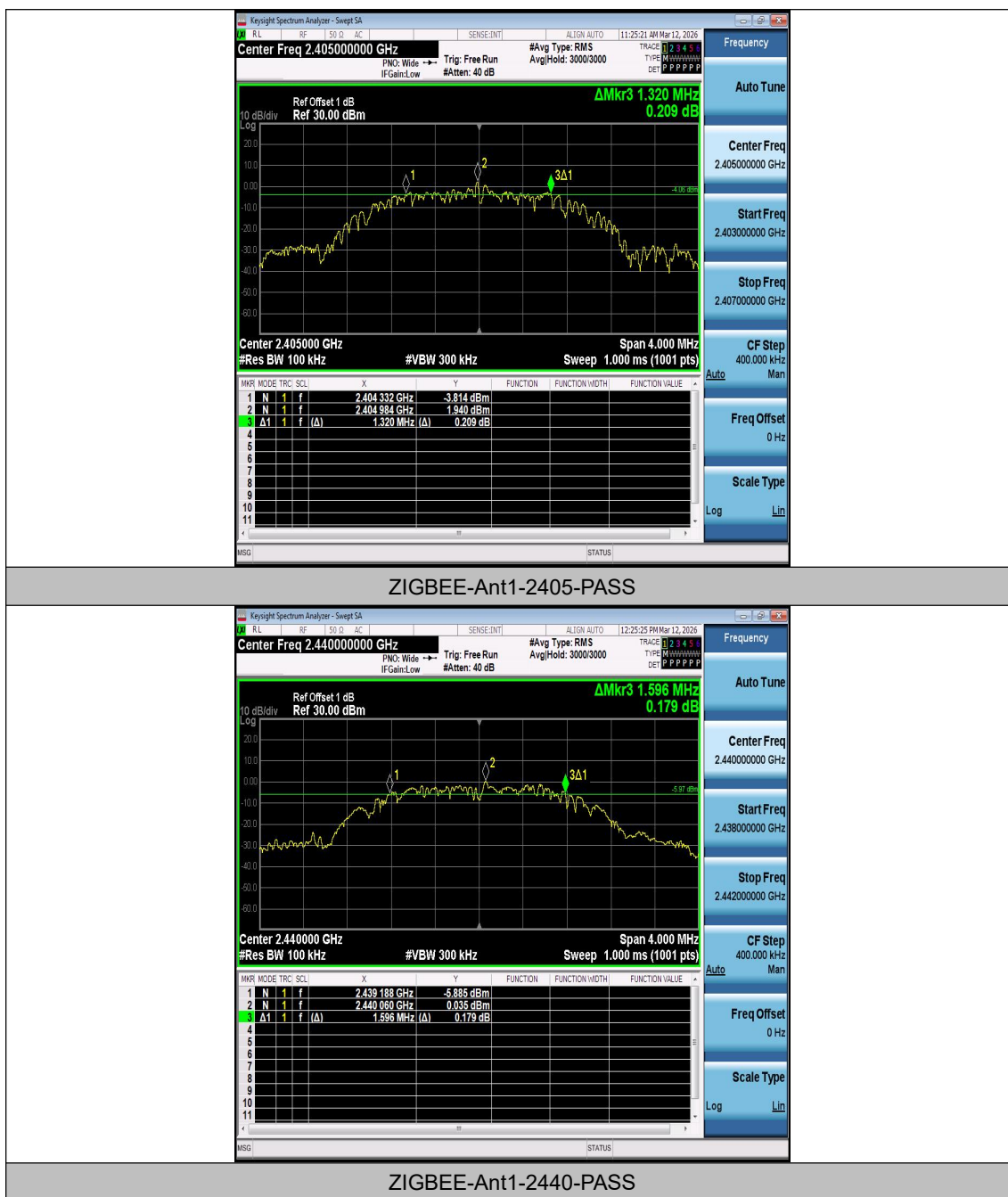


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGBEE	Ant1	2405	1.320	2404.332	2405.652	0.5	PASS
ZIGBEE	Ant1	2440	1.596	2439.188	2440.784	0.5	PASS
ZIGBEE	Ant1	2480	1.556	2479.264	2480.820	0.5	PASS

Test Graphs



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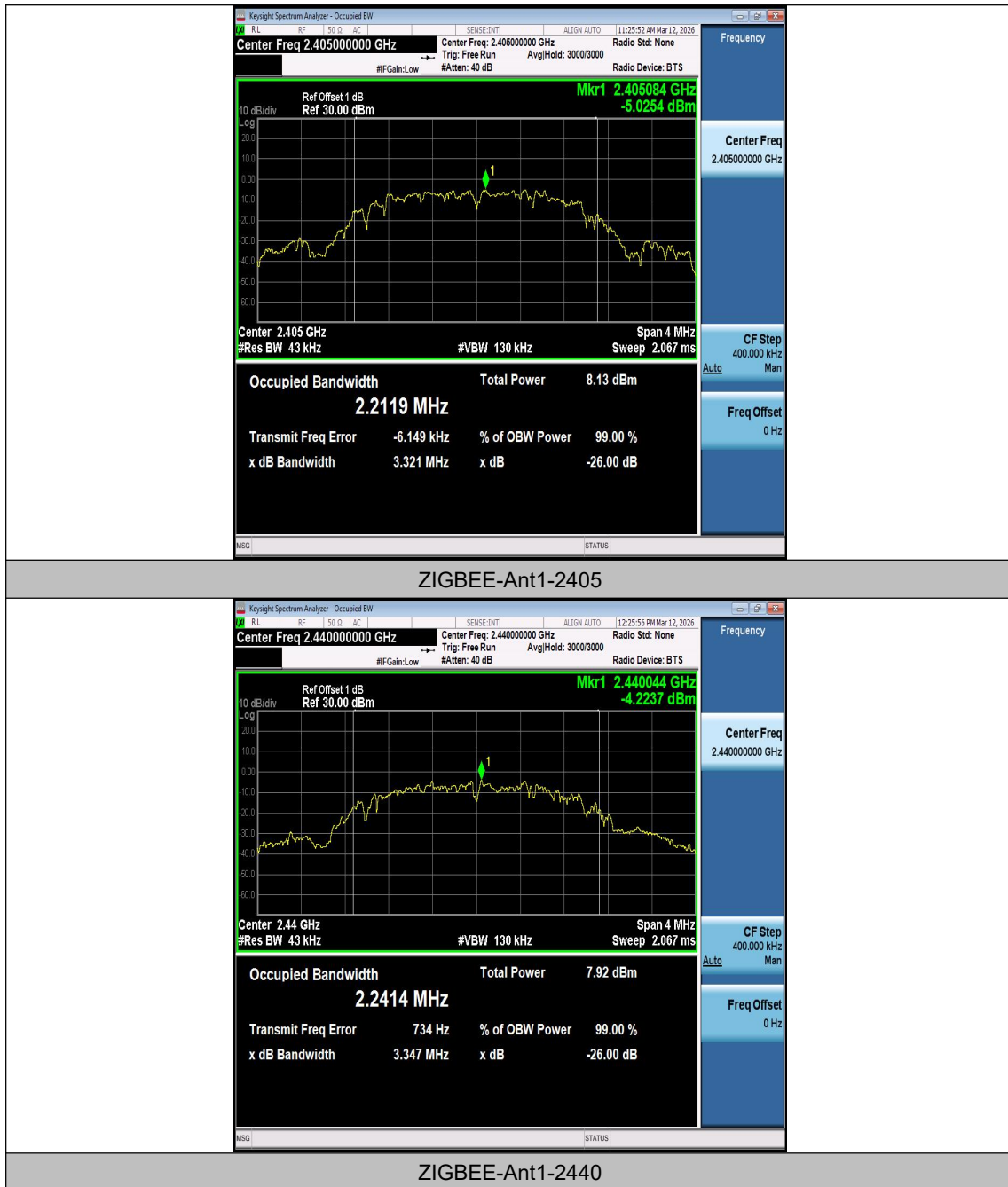
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGBEE	Ant1	2405	2.2119	2403.8879	2406.0998	---	---
ZIGBEE	Ant1	2440	2.2414	2438.8800	2441.1214	---	---
ZIGBEE	Ant1	2480	2.2409	2478.8734	2481.1143	---	---

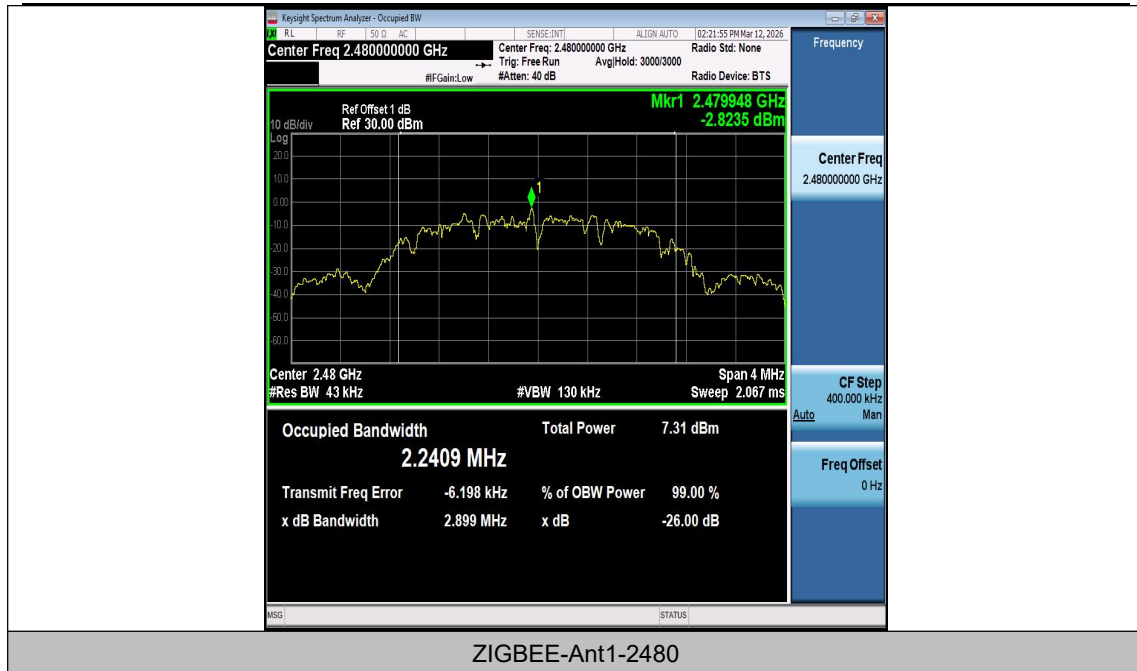
Test Graphs



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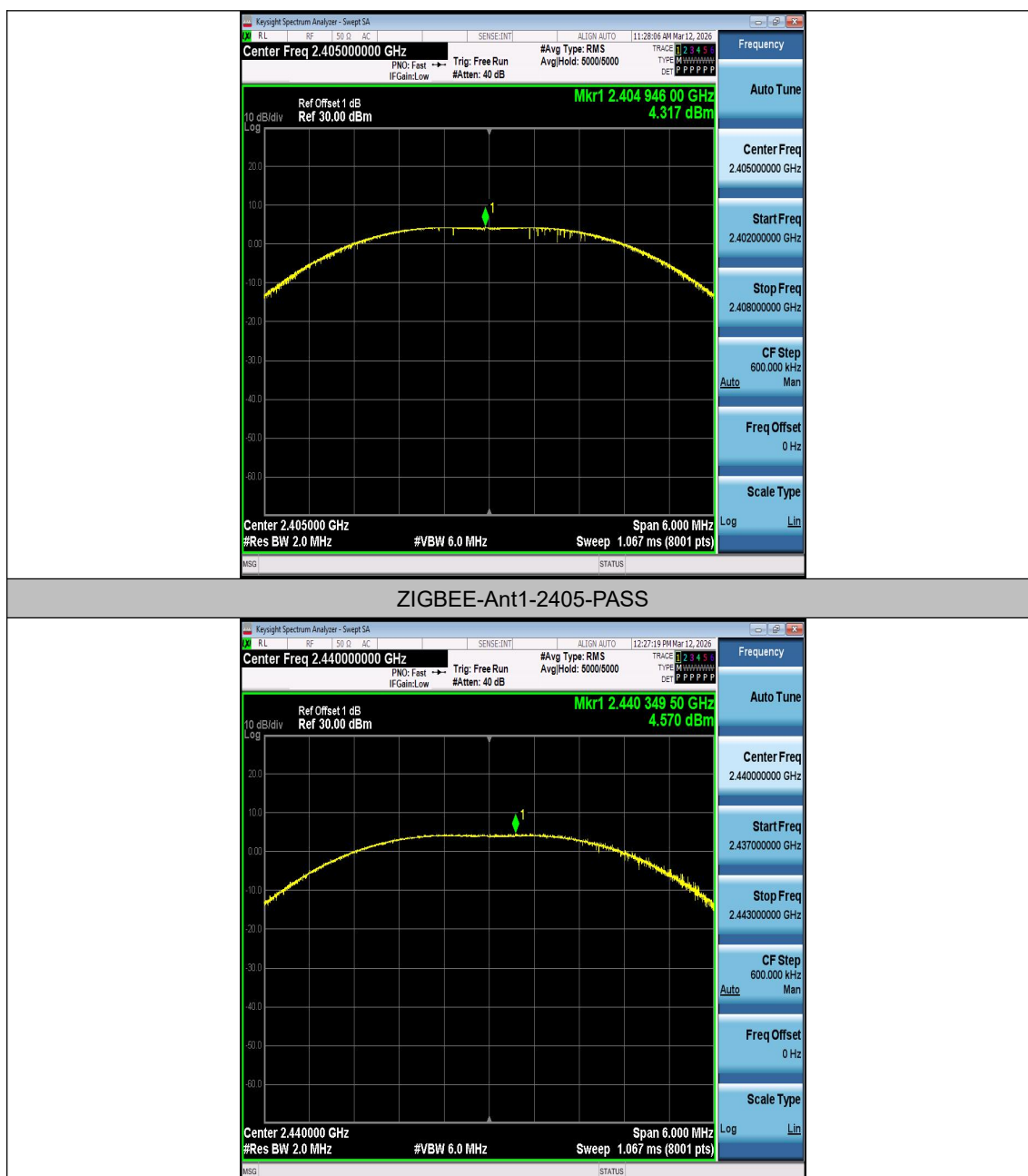
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
ZIGBEE	Ant1	2405	4.32	≤30	PASS
ZIGBEE	Ant1	2440	4.57	≤30	PASS
ZIGBEE	Ant1	2480	3.81	≤30	PASS

Test Graphs Peak



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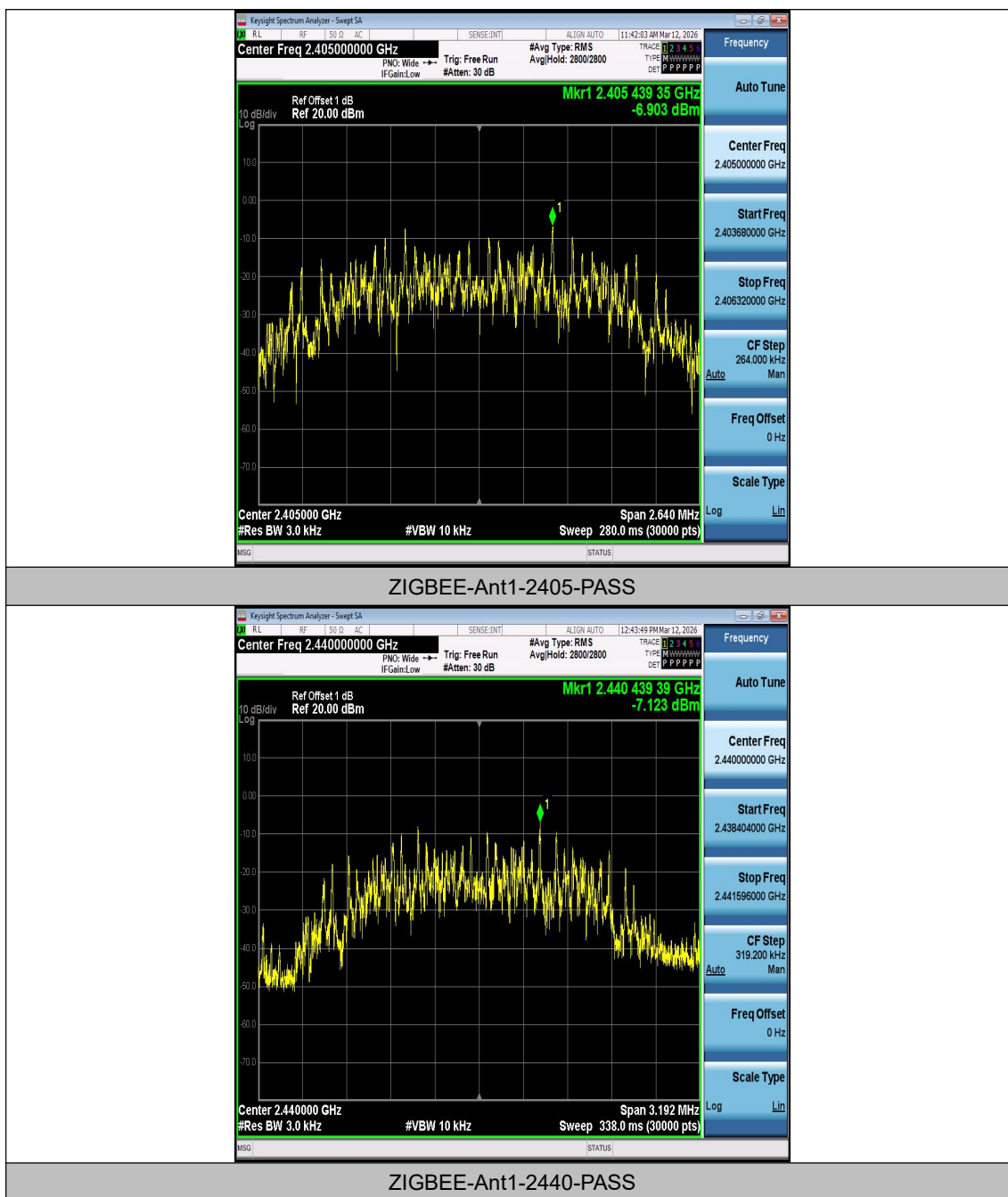
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Appendix D: Maximum power spectral density**Test Result**

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
ZIGBEE	Ant1	2405	-6.90	≤8.00	PASS
ZIGBEE	Ant1	2440	-7.12	≤8.00	PASS
ZIGBEE	Ant1	2480	-7.35	≤8.00	PASS

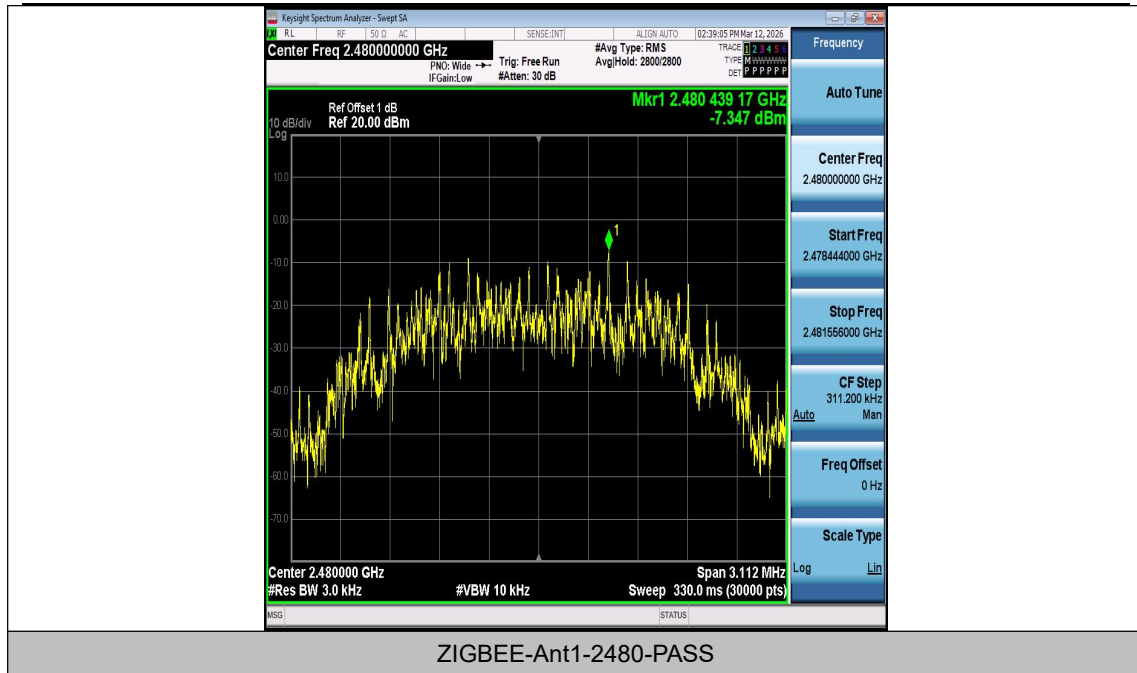
Test Graphs



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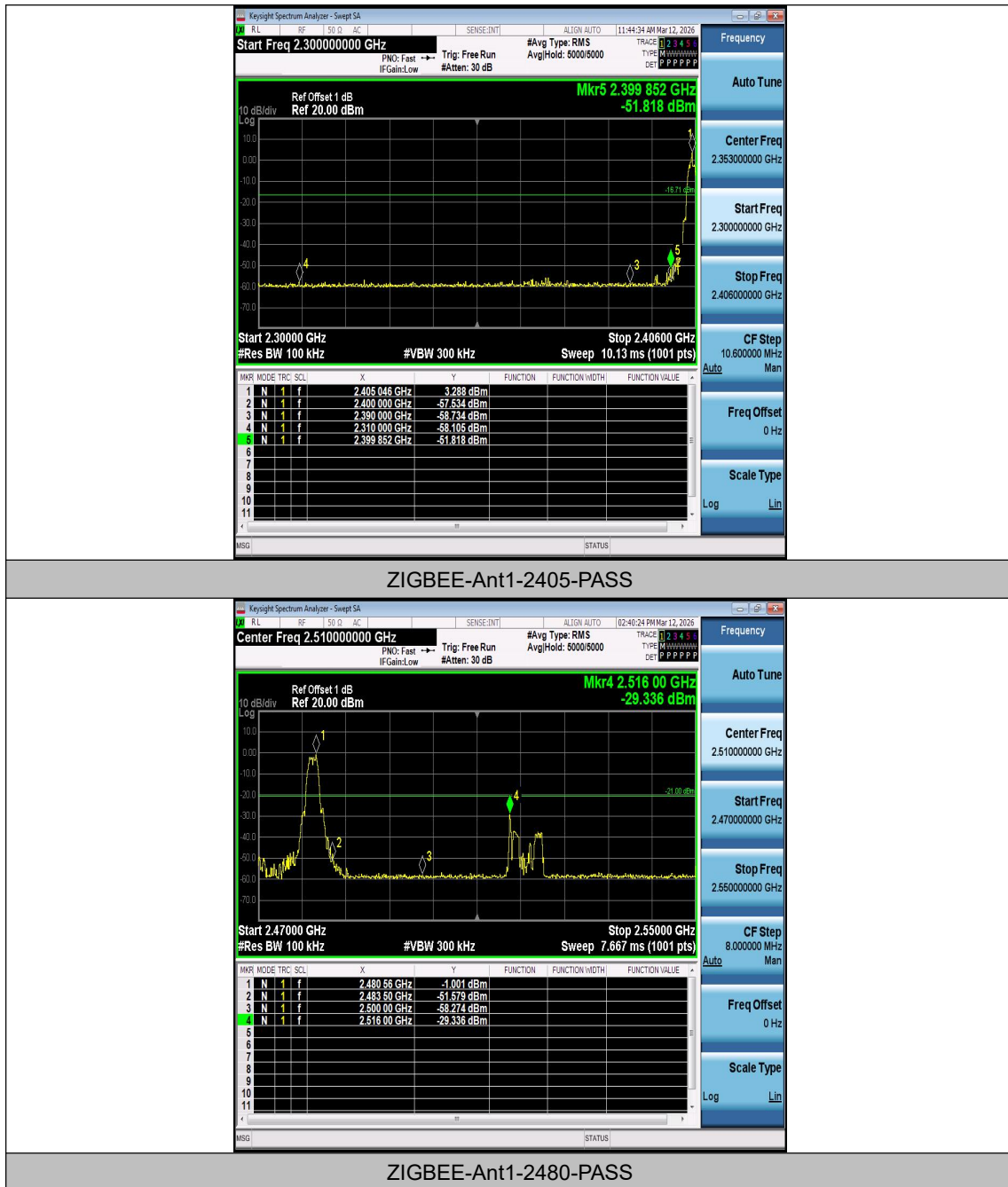
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
ZIGBEE	Ant1	Low	2405	3.29	-51.82	≤ -16.71	PASS
ZIGBEE	Ant1	High	2480	-1.00	-29.34	≤ -21	PASS

Test Graphs



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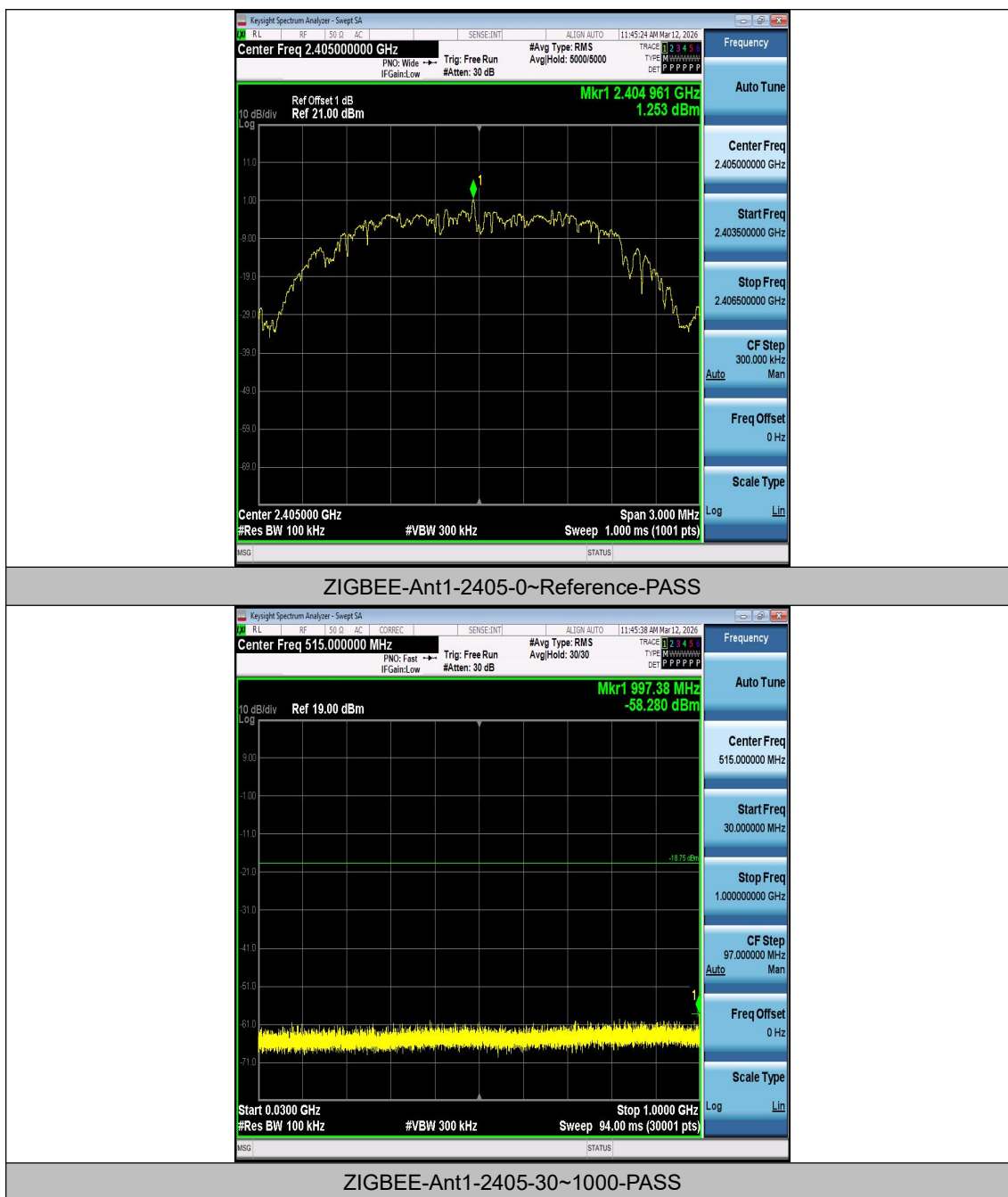
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
ZIGBEE	Ant1	2405	0~Reference	1.25	1.25	---	PASS
ZIGBEE	Ant1	2405	30~1000	1.25	-58.28	≤-18.75	PASS
ZIGBEE	Ant1	2405	1000~26500	1.25	-34.13	≤-18.75	PASS
ZIGBEE	Ant1	2440	0~Reference	2.43	2.43	---	PASS
ZIGBEE	Ant1	2440	30~1000	2.43	-50.84	≤-17.57	PASS
ZIGBEE	Ant1	2440	1000~26500	2.43	-36.24	≤-17.57	PASS
ZIGBEE	Ant1	2480	0~Reference	3.19	3.19	---	PASS
ZIGBEE	Ant1	2480	30~1000	3.19	-58.62	≤-16.81	PASS
ZIGBEE	Ant1	2480	1000~26500	3.19	-40.15	≤-16.81	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

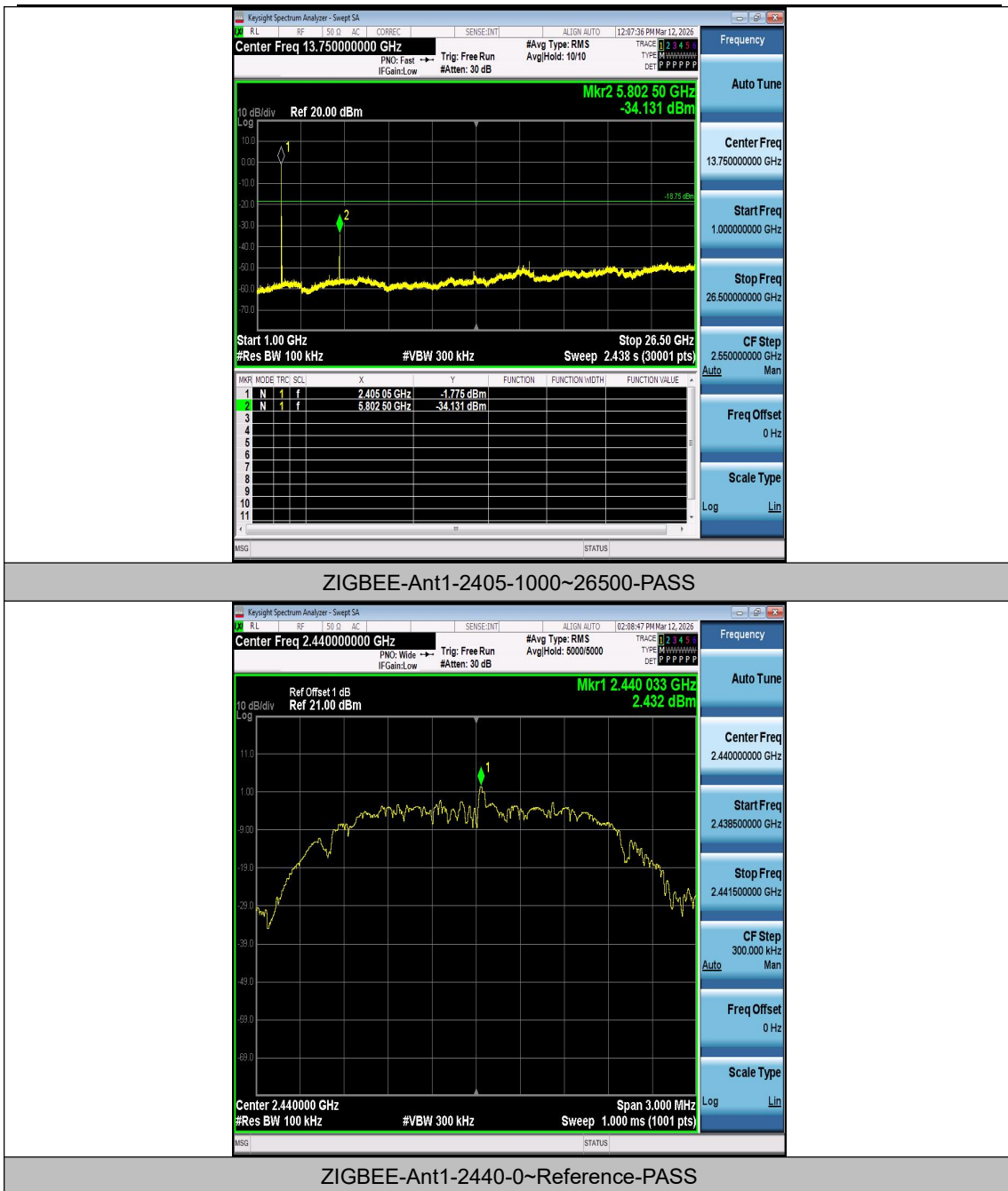
Test Graphs



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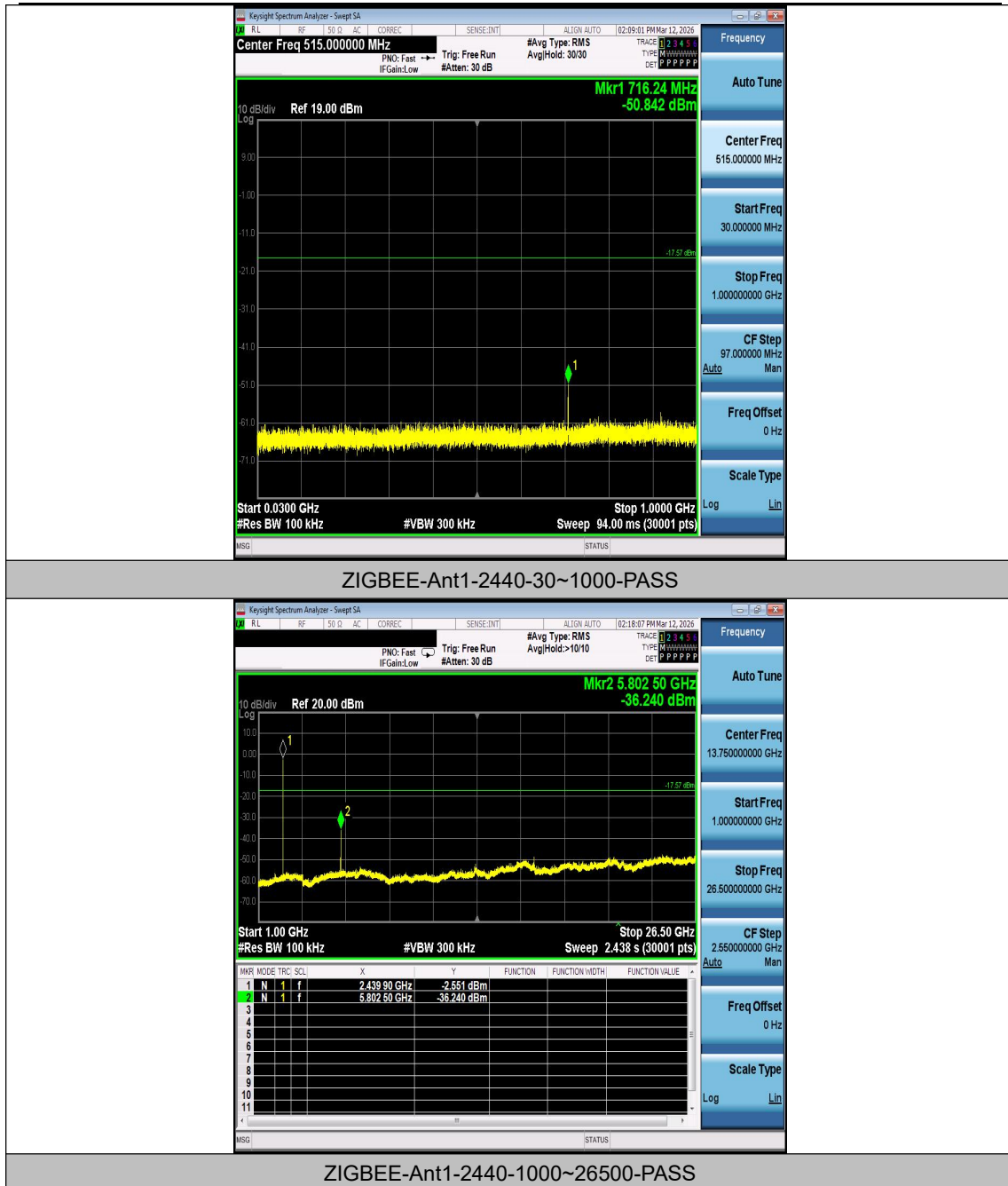
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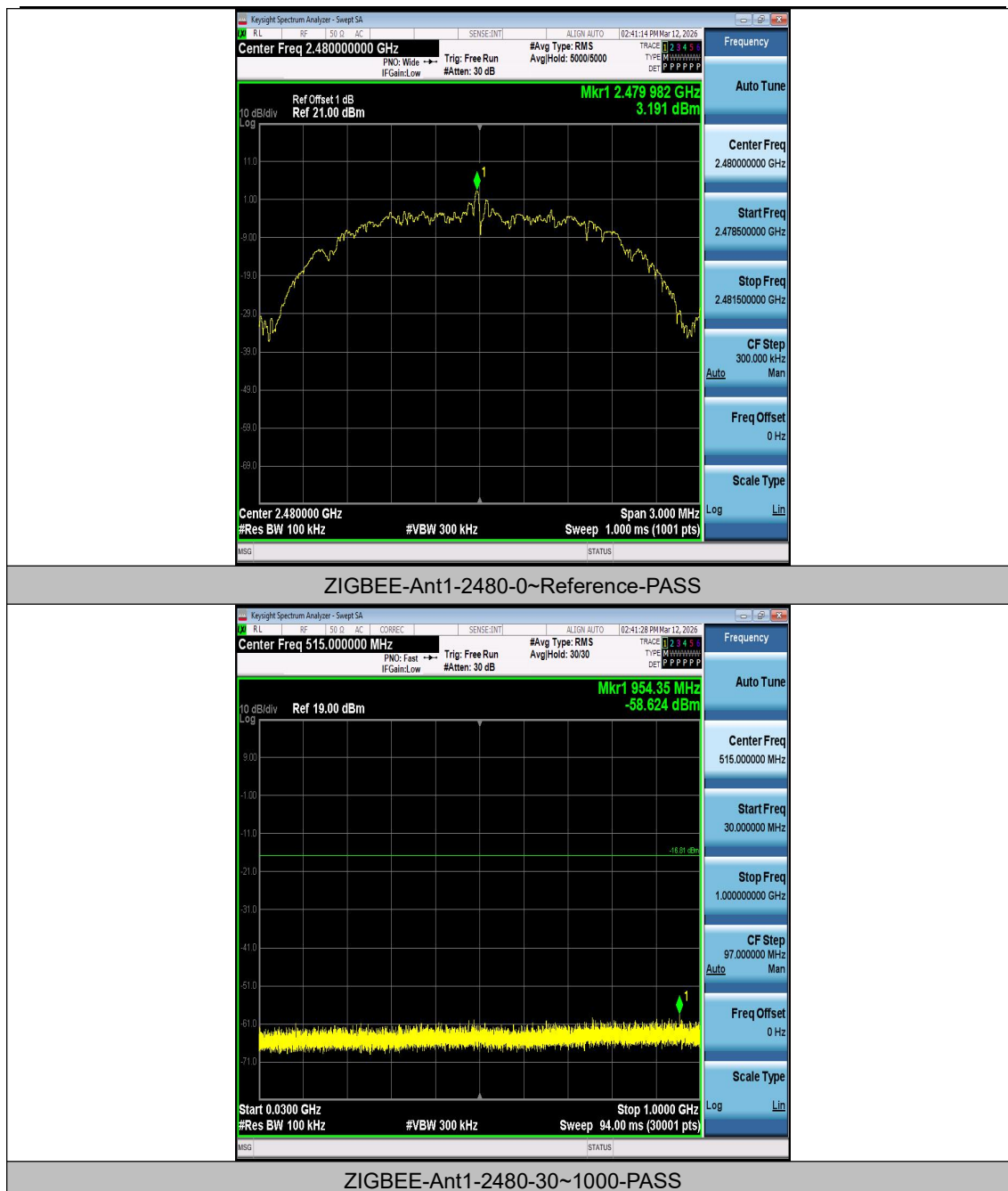
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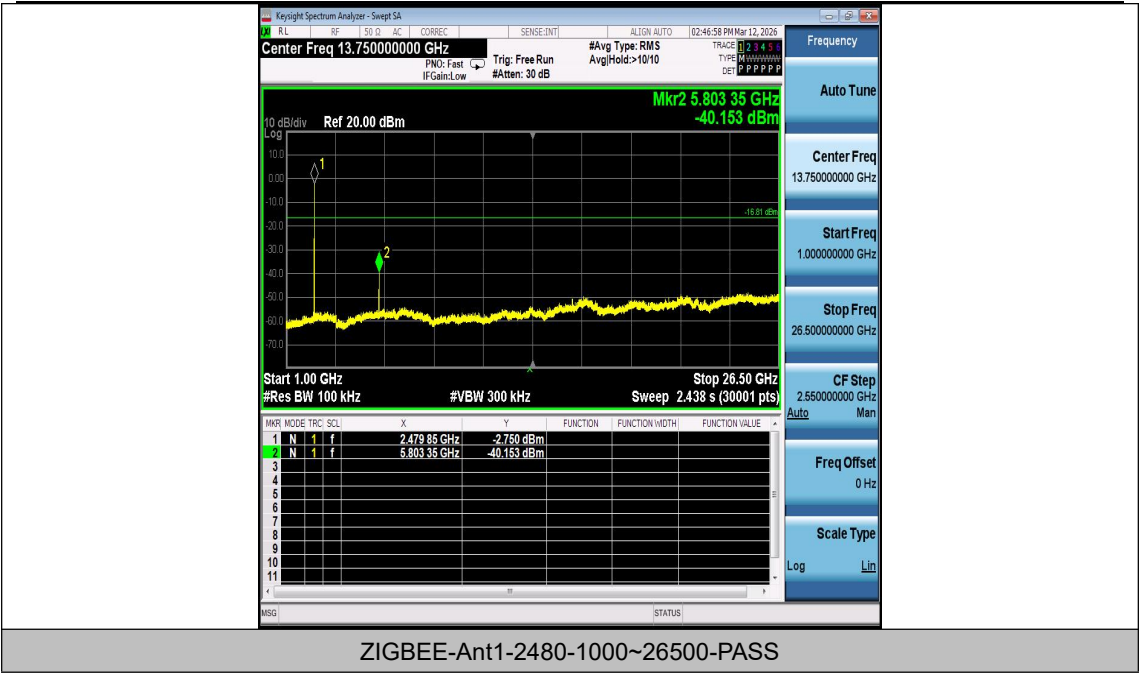
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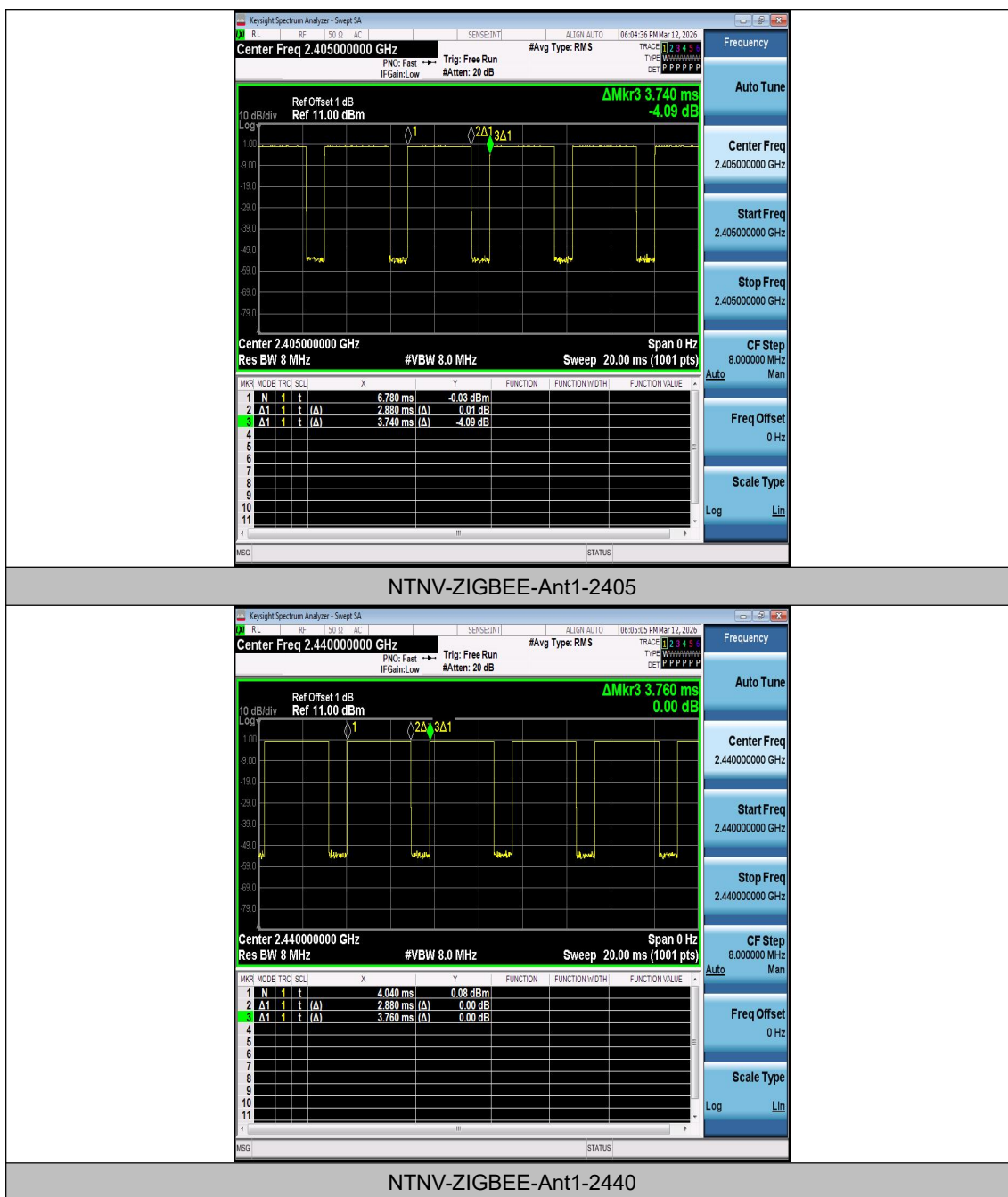
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
ZIGBEE	Ant1	2405	2.88	3.74	77.01	1.13
ZIGBEE	Ant1	2440	2.88	3.76	76.60	1.16
ZIGBEE	Ant1	2480	2.88	3.76	76.60	1.16

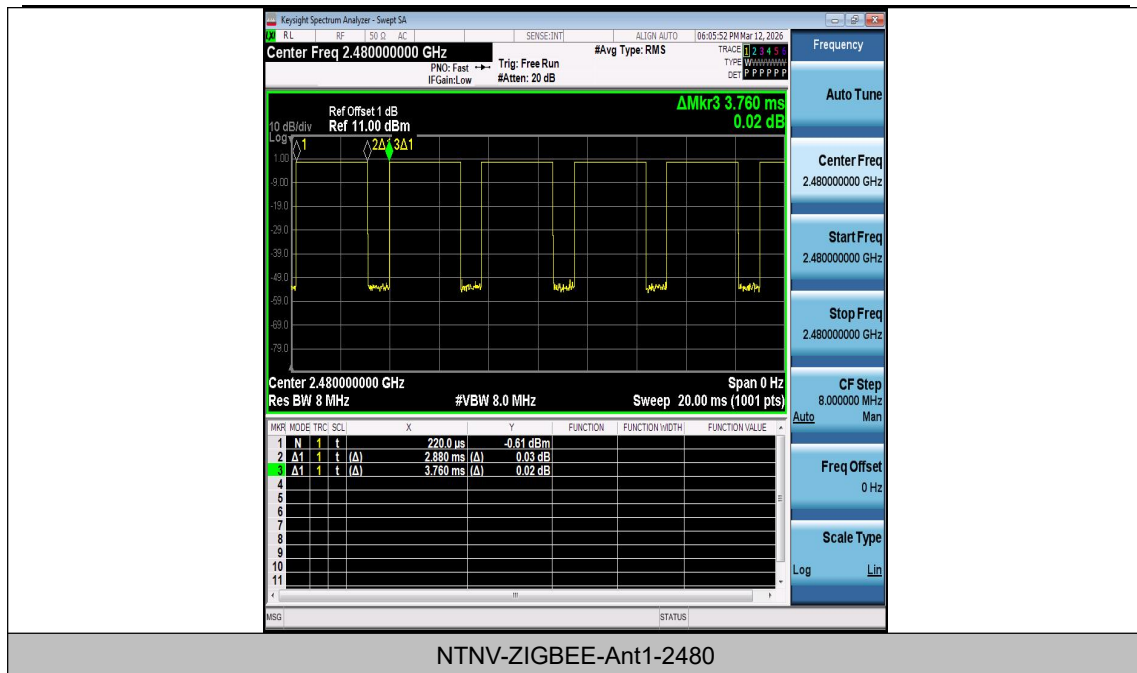
Test Graphs



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