

Appendix Test Data

Report No. : 1812C50372812503-01

Applicant : Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longjun industrial estate,
Longhua, Bao'an, Shenzhen, P.R.China

Product Name : Theos Bodypack DIFB Receiver

Report Date : 2025-09-08



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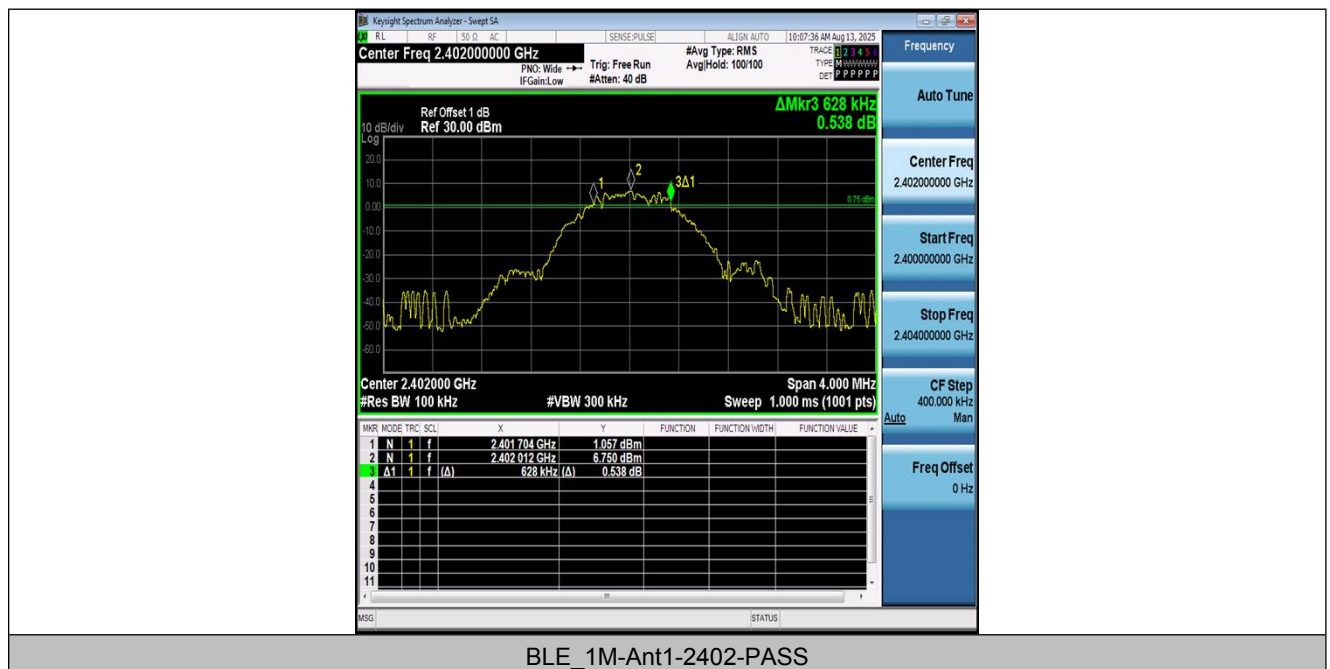
Report No.:	1812C50372812503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-08-12	Finish Test Date:	2025-08-13
Test Engineer:	Alex Peng	Auditor:	Justin Peng
Temperature:	26.3C°	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.628	2401.704	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.668	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.616	2479.716	2480.332	0.5	PASS

Test Graphs





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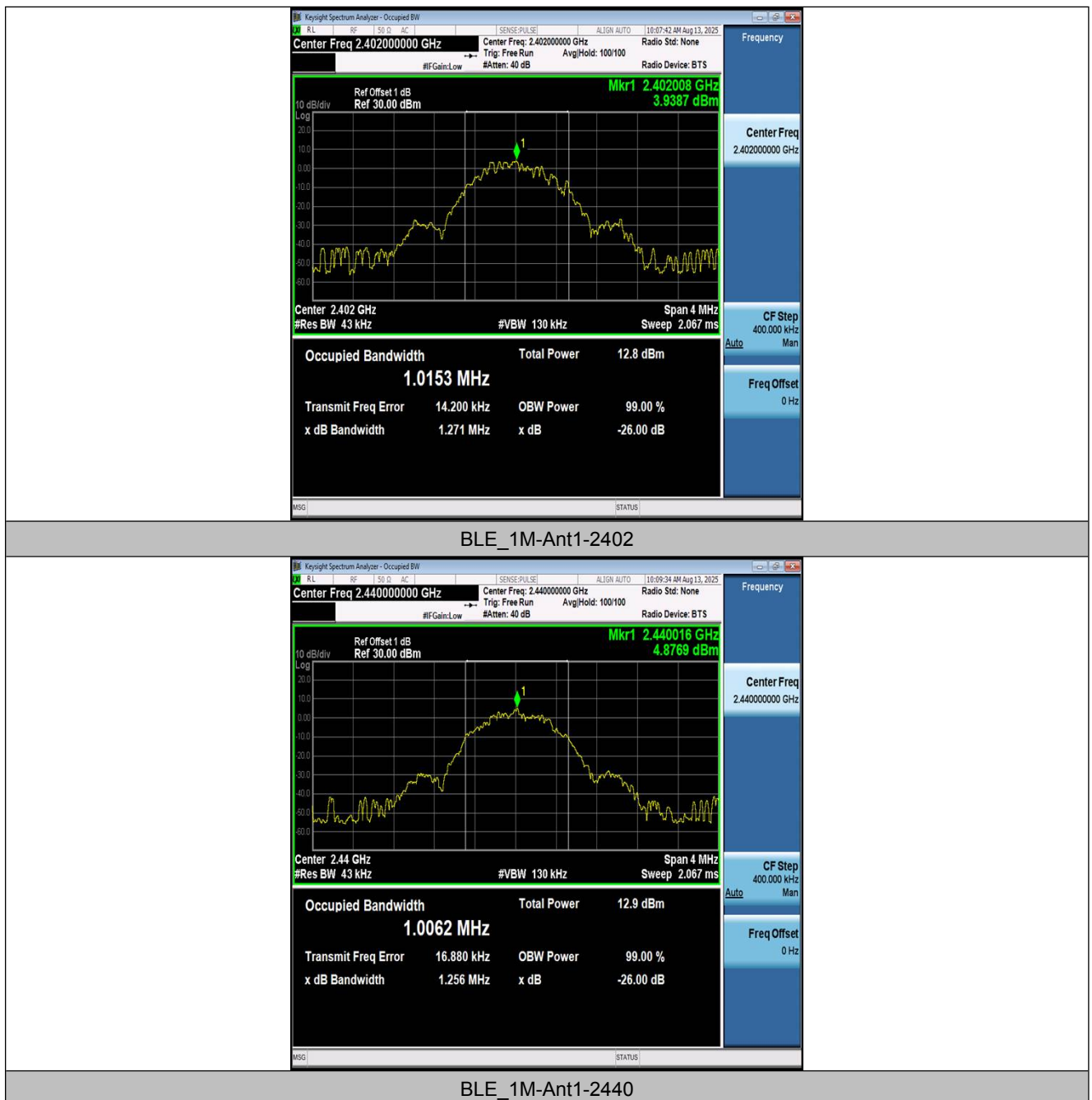
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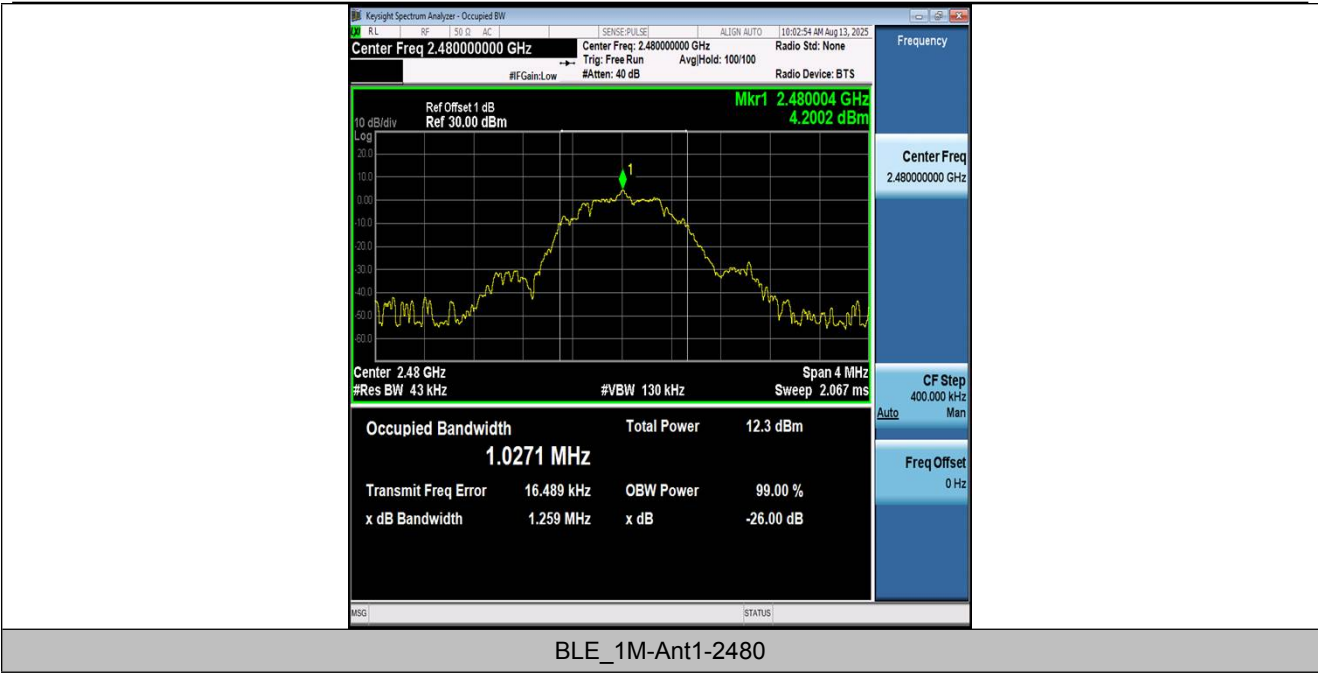
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0153	2401.5066	2402.5219	---	---
BLE_1M	Ant1	2440	1.0062	2439.5138	2440.5200	---	---
BLE_1M	Ant1	2480	1.0271	2479.5029	2480.5300	---	---

Test Graphs





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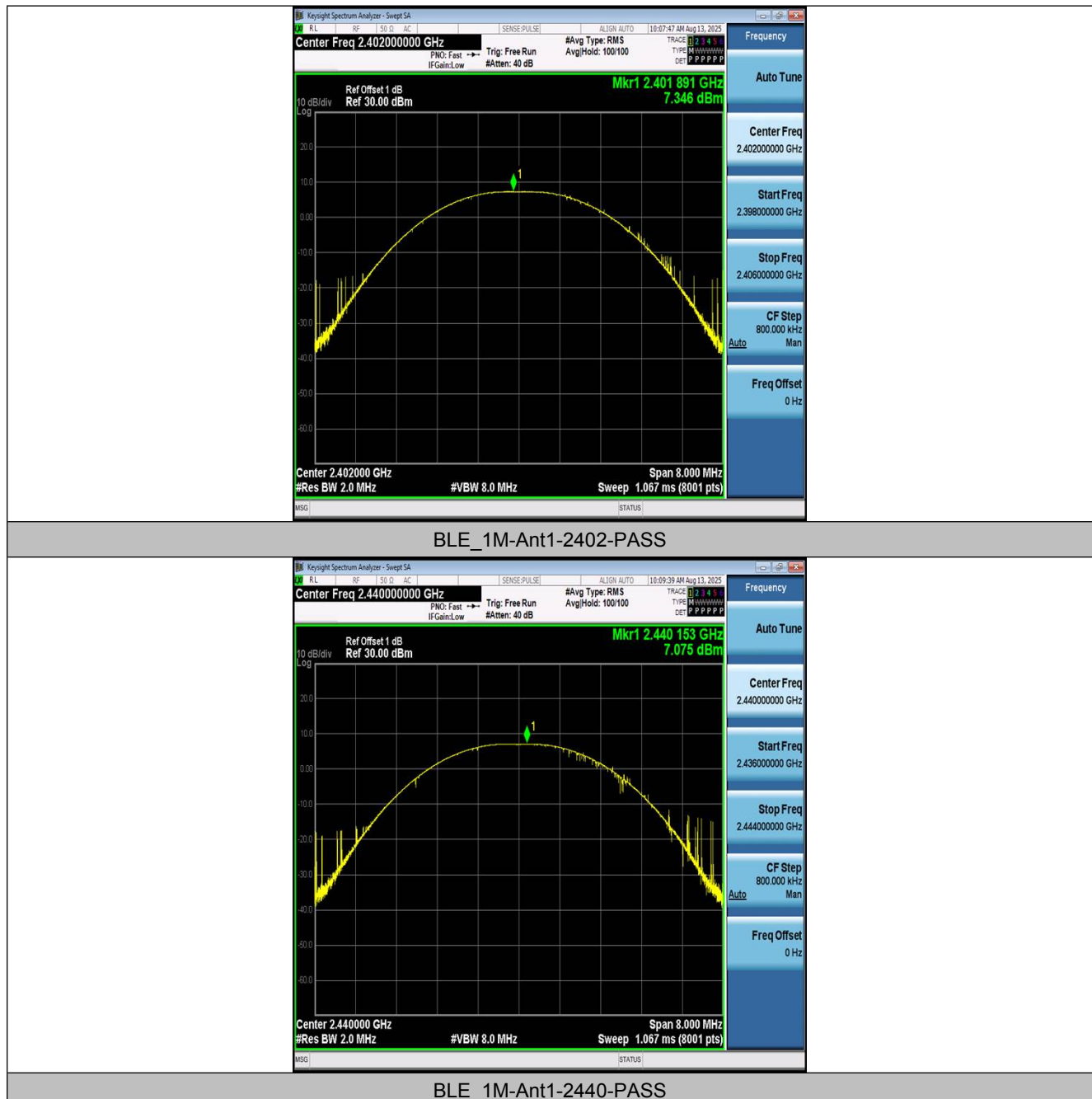
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Appendix C: Maximum conducted output power

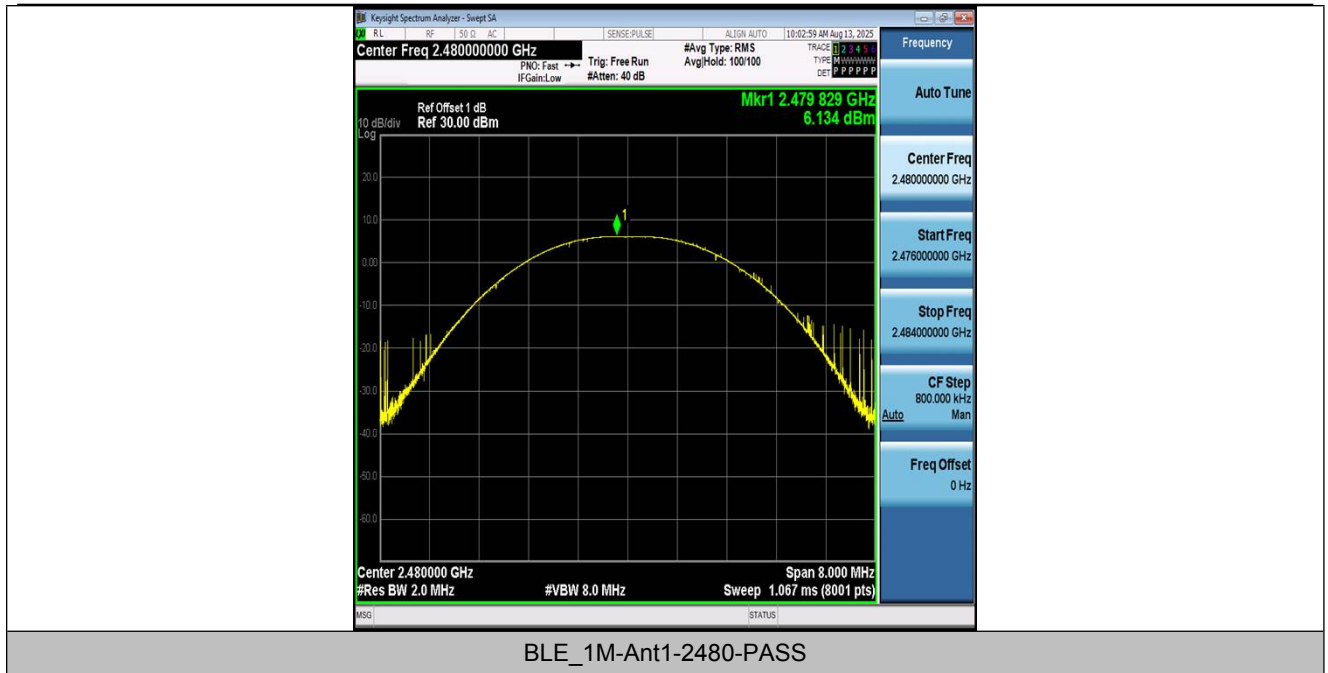
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.35	≤30	PASS
BLE_1M	Ant1	2440	7.08	≤30	PASS
BLE_1M	Ant1	2480	6.13	≤30	PASS

Test Graphs Peak



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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.5	≤8.00	PASS
BLE_1M	Ant1	2440	-6.69	≤8.00	PASS
BLE_1M	Ant1	2480	-7.51	≤8.00	PASS

Note:PSD(dBm/3kHz)= PSD(dBm/30kHz)- (10*log(30/3)).

Test Graphs



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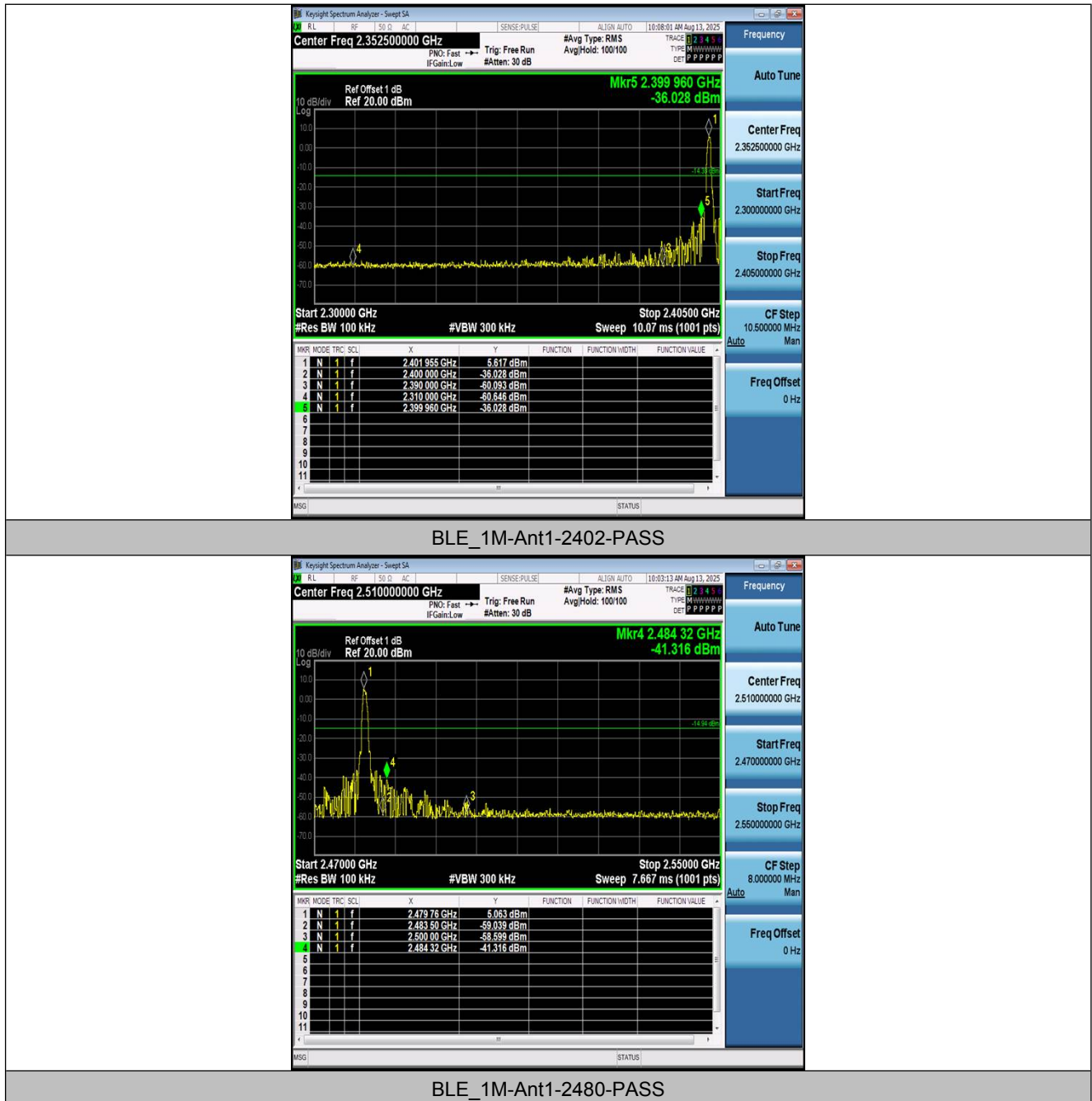
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.62	-36.03	≤-14.38	PASS
BLE_1M	Ant1	High	2480	5.06	-41.32	≤-14.94	PASS

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

Test Graphs



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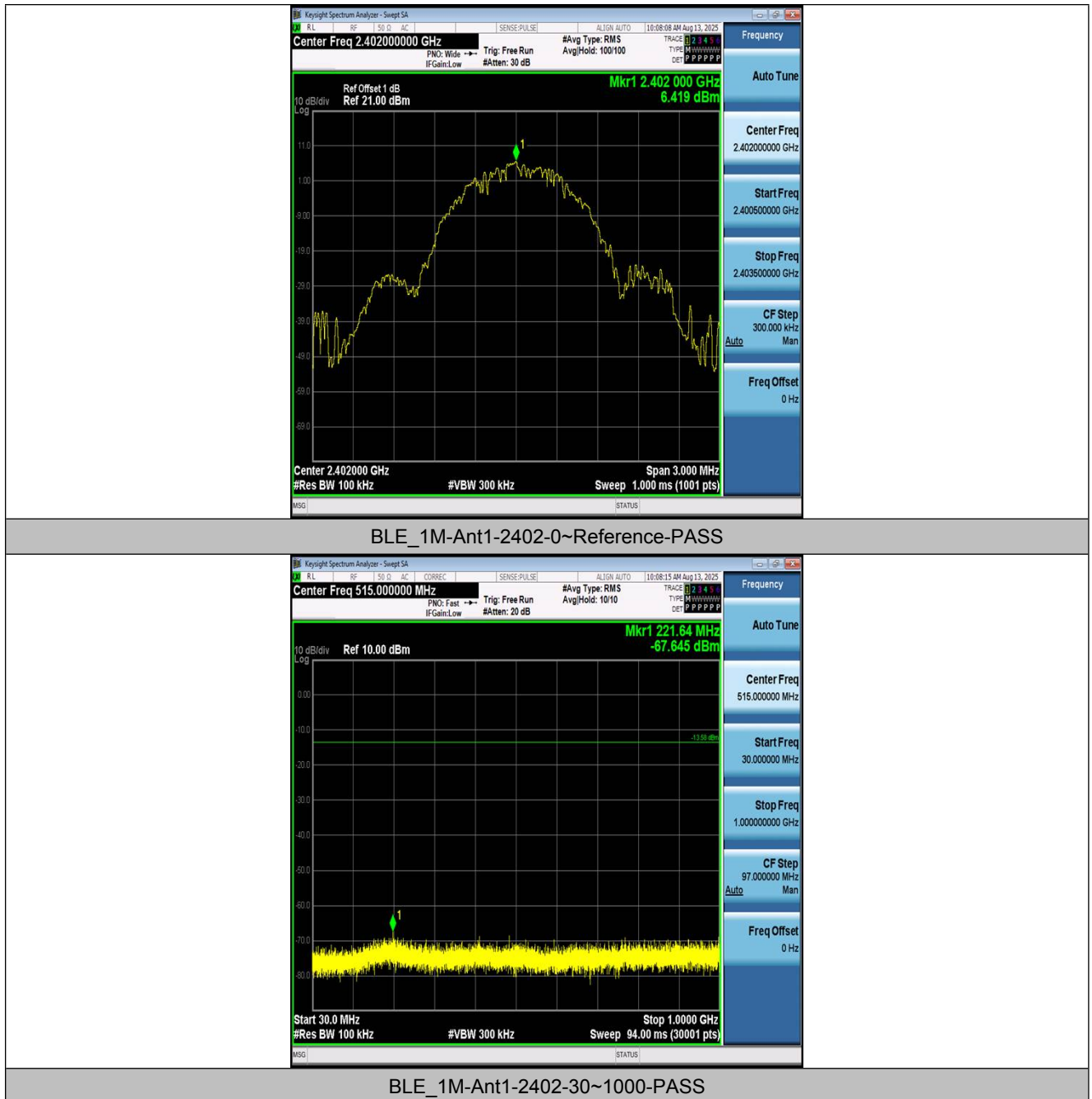
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	6.42	6.42	---	PASS
BLE_1M	Ant1	2402	30~1000	6.42	-67.65	≤-13.58	PASS
BLE_1M	Ant1	2402	1000~26500	6.42	-53.37	≤-13.58	PASS
BLE_1M	Ant1	2440	0~Reference	6.39	6.39	---	PASS
BLE_1M	Ant1	2440	30~1000	6.39	-68.58	≤-13.61	PASS
BLE_1M	Ant1	2440	1000~26500	6.39	-53.35	≤-13.61	PASS
BLE_1M	Ant1	2480	0~Reference	5.66	5.66	---	PASS
BLE_1M	Ant1	2480	30~1000	5.66	-68.21	≤-14.34	PASS
BLE_1M	Ant1	2480	1000~26500	5.66	-53.22	≤-14.34	PASS

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

Test Graphs



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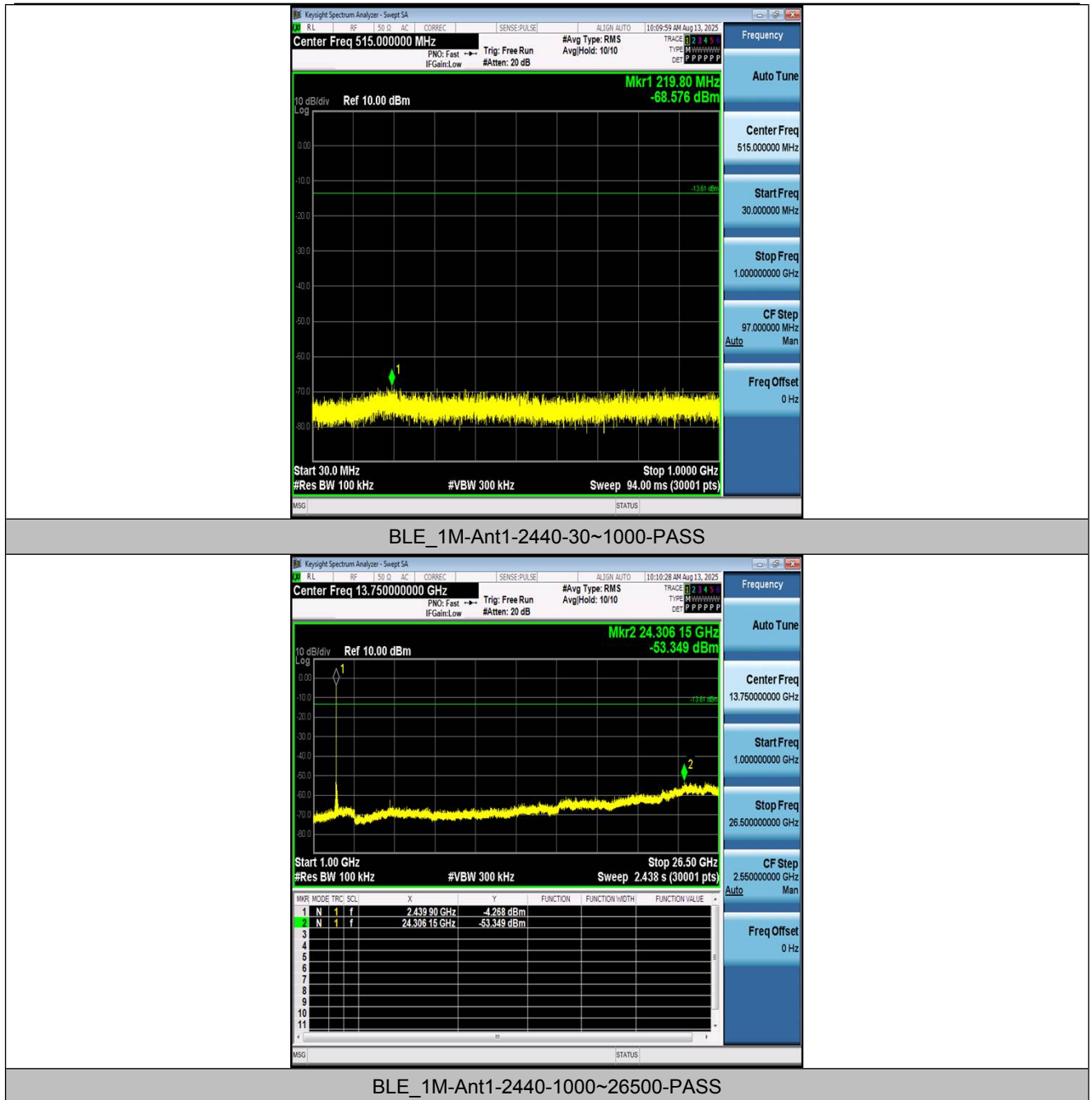
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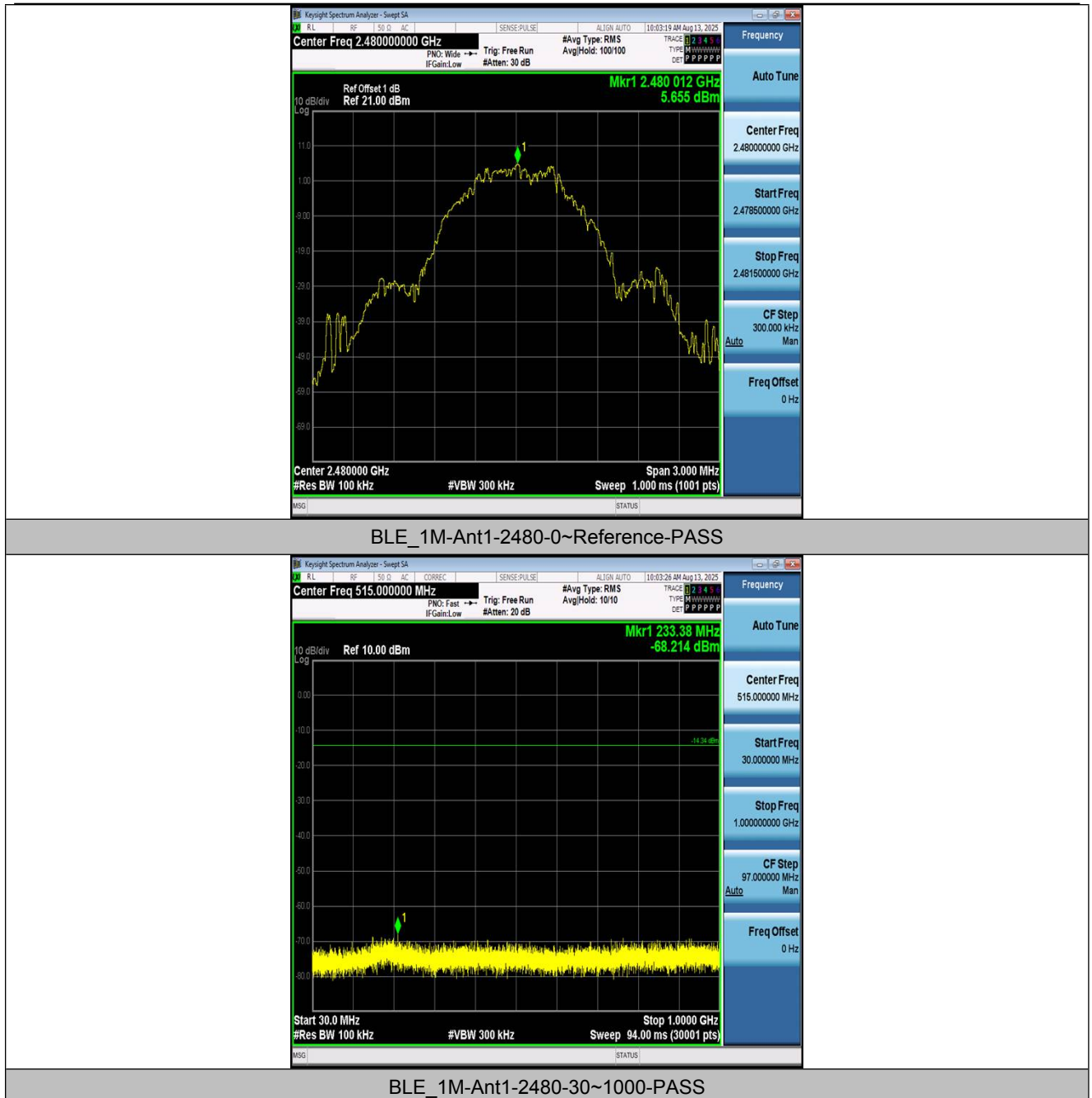
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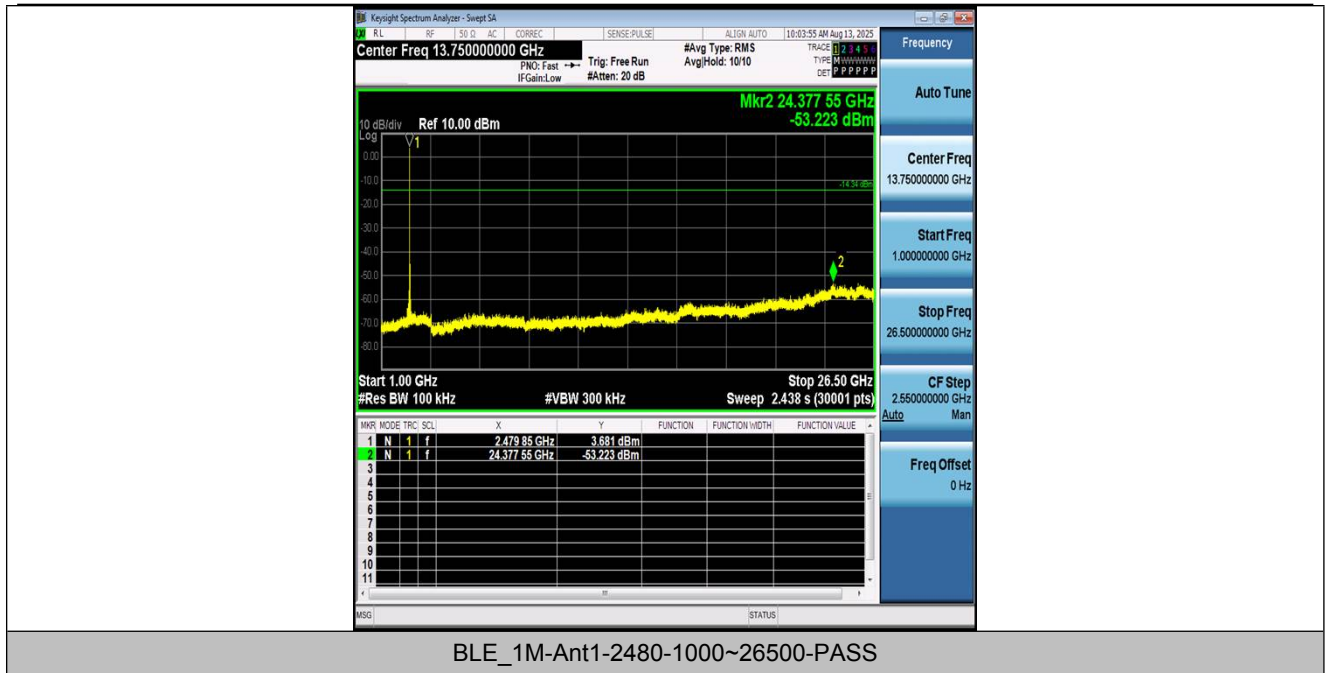
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Appendix G: Duty Cycle

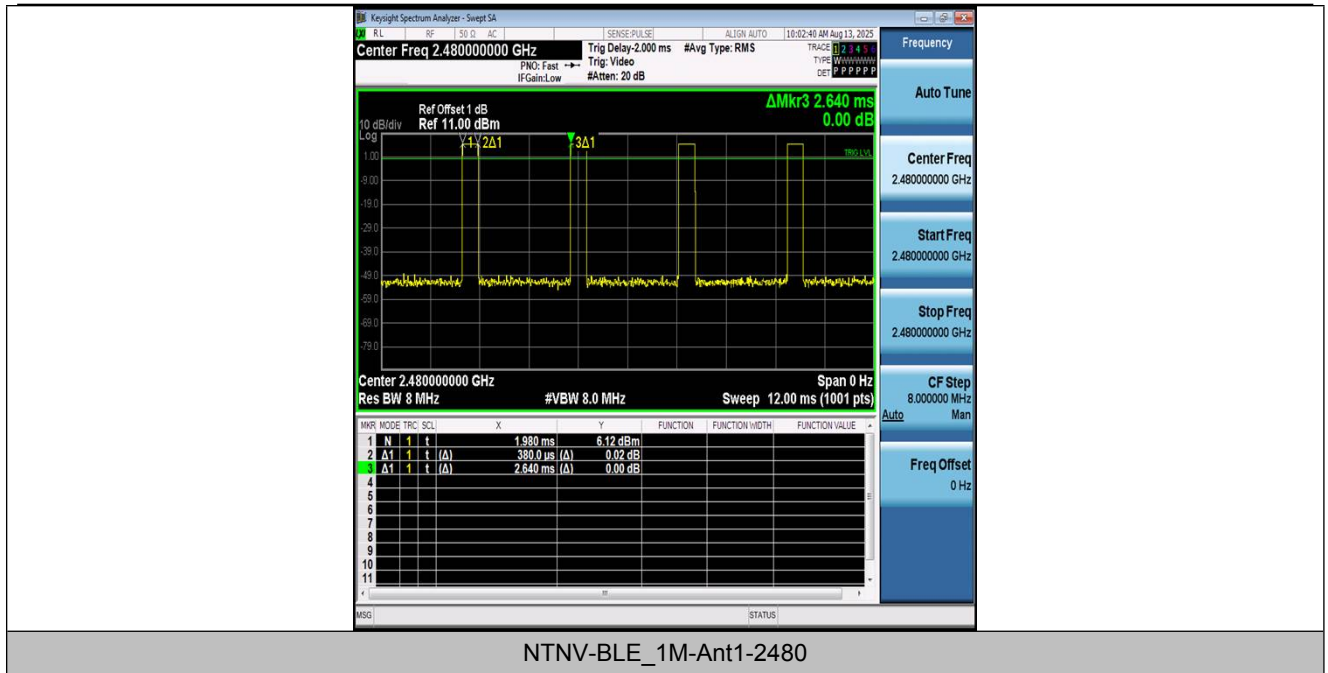
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	2.64	14.39	8.42
BLE_1M	Ant1	2440	0.38	2.64	14.39	8.42
BLE_1M	Ant1	2480	0.38	2.64	14.39	8.42

Test Graphs



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