

Appendix Test Data

Report No.:	18220WC20263101	Test Sample No.:	1-2-2
Start Test Date:	2022.11.10	Finish Test Date:	2022.11.16
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.636	2402.316	0.5	PASS
		2440	0.672	2439.632	2440.304	0.5	PASS
		2480	0.656	2479.656	2480.312	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0748	2401.4470	2402.5218
		2440	1.0691	2439.4460	2440.5151
		2480	1.0939	2479.4384	2480.5323



Test Graphs



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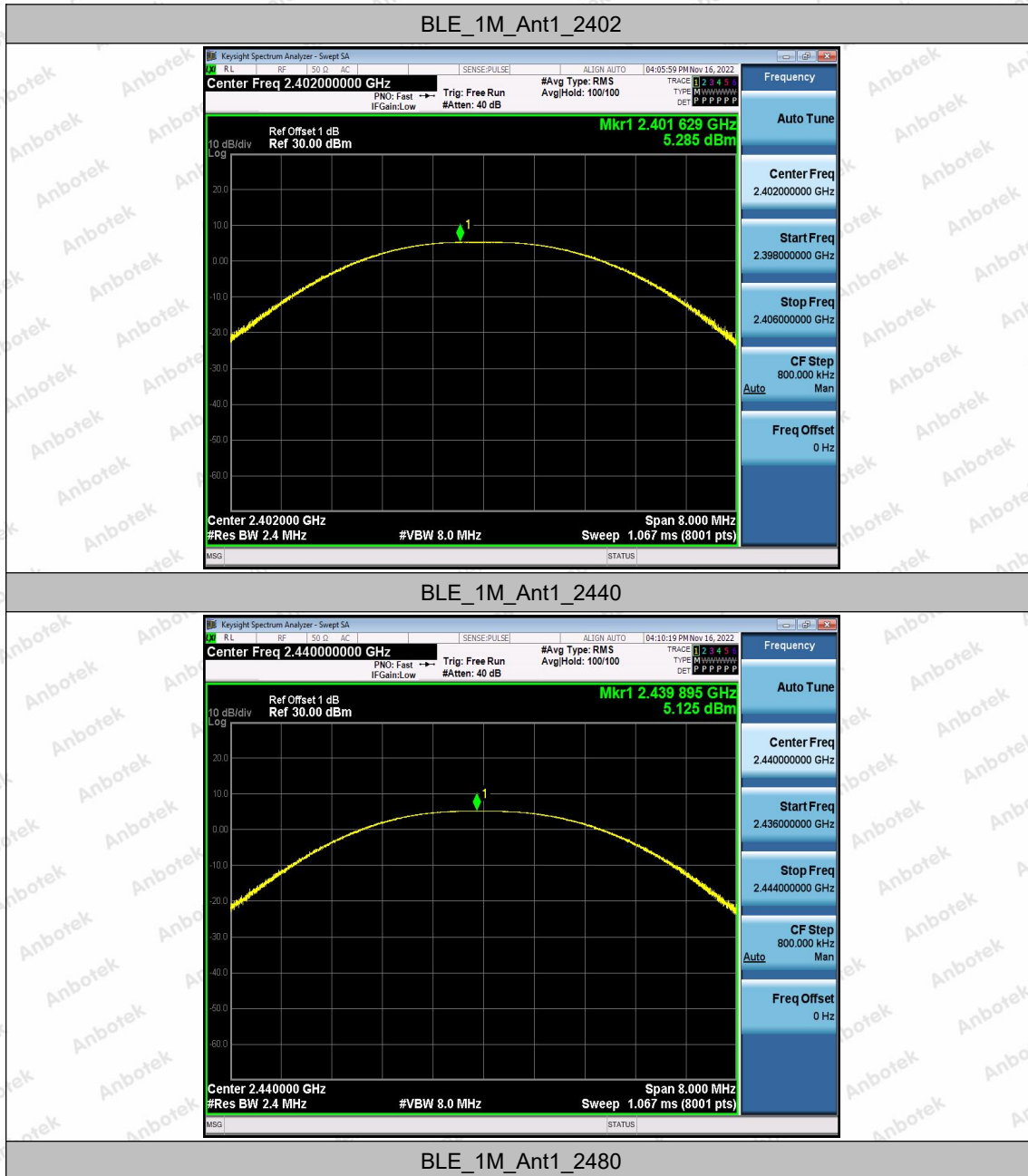
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.29	≤30	PASS
		2440	5.13	≤30	PASS
		2480	5.07	≤30	PASS



Test Graphs Peak



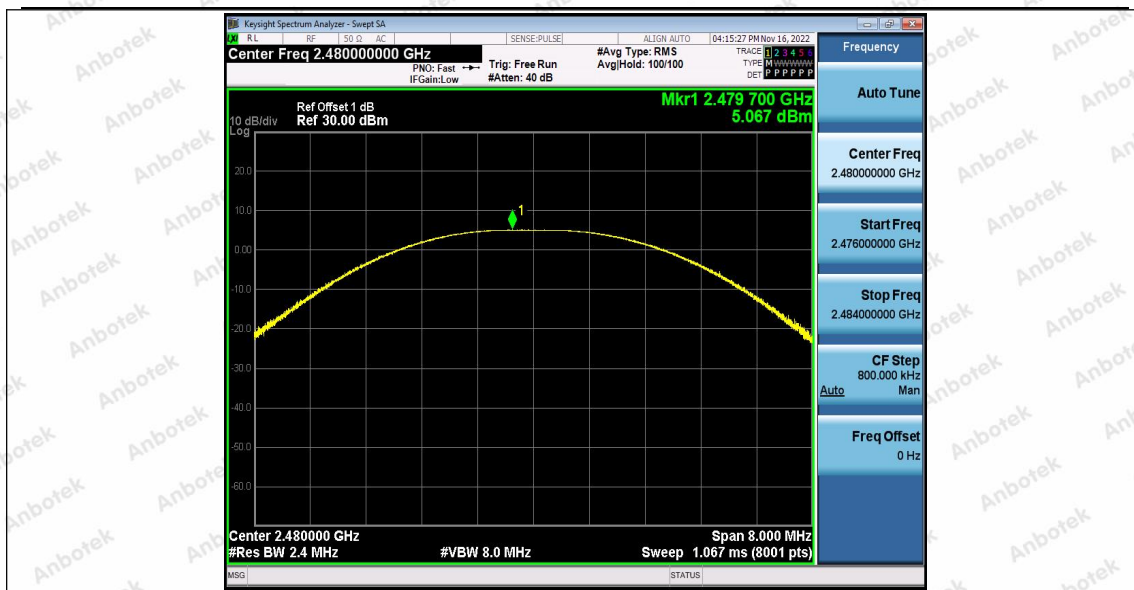
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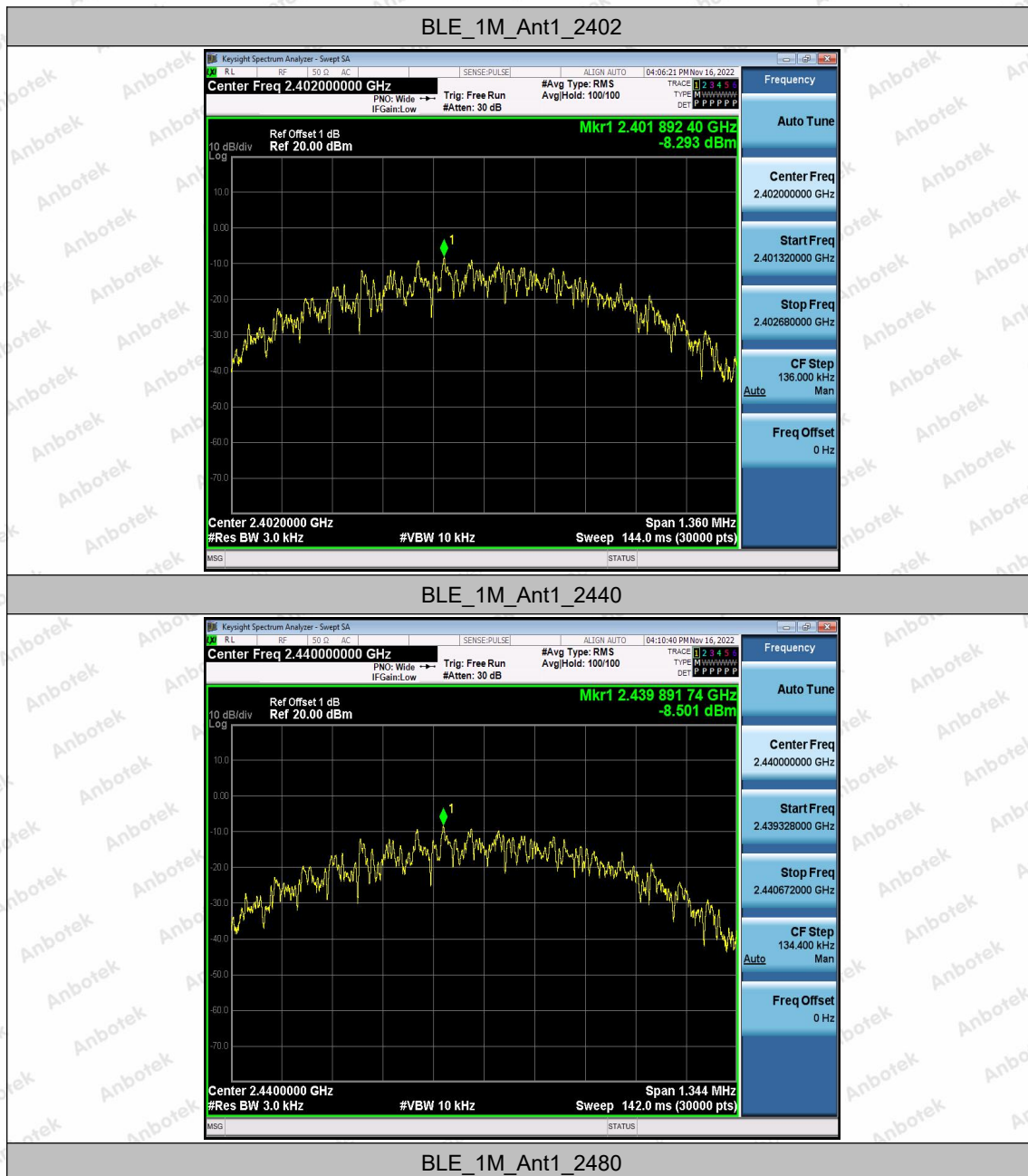
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.29	≤8.00	PASS
		2440	-8.5	≤8.00	PASS
		2480	-8.63	≤8.00	PASS



Test Graphs



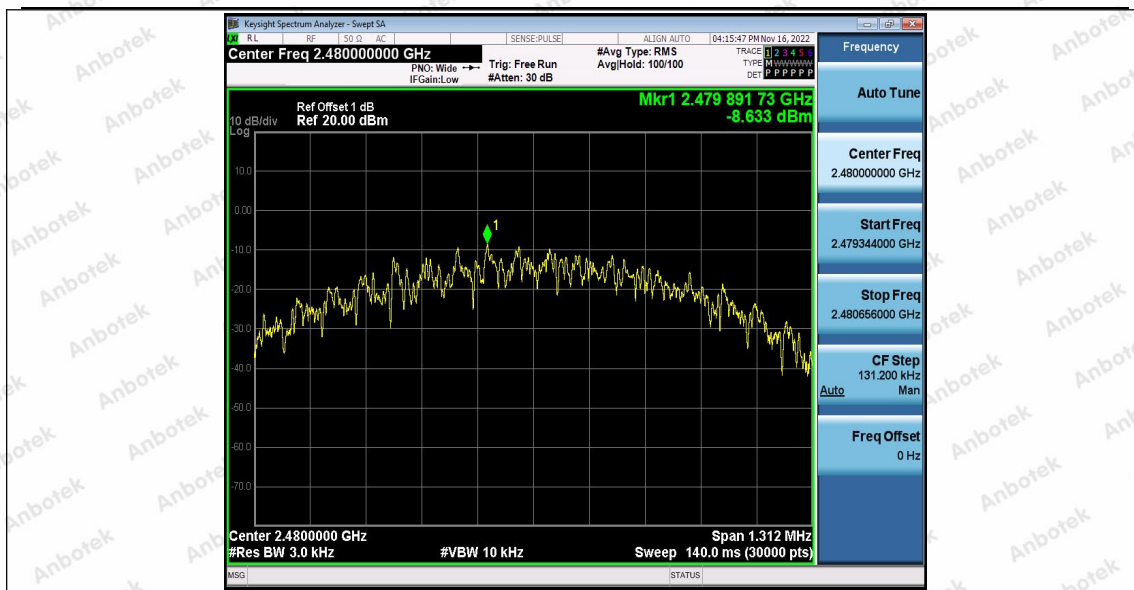
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.13	-37.34	≤-15.87	PASS
		High	2480	4.27	-39.78	≤-15.73	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.54	3.54	---	PASS
			30~1000	3.54	-64.84	≤-16.46	PASS
			1000~26500	3.54	-30.94	≤-16.46	PASS
		2440	Reference	4.09	4.09	---	PASS
			30~1000	4.09	-64.7	≤-15.91	PASS
			1000~26500	4.09	-31.82	≤-15.91	PASS
		2480	Reference	3.66	3.66	---	PASS
			30~1000	3.66	-63.58	≤-16.34	PASS
			1000~26500	3.66	-32.48	≤-16.34	PASS

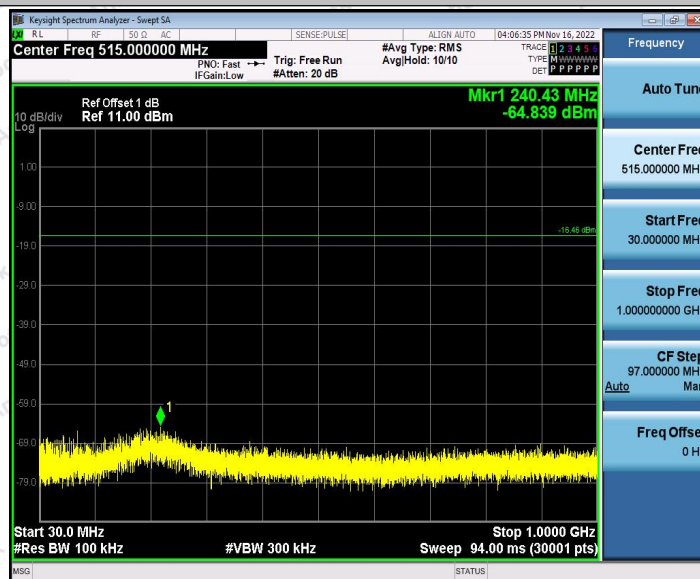


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

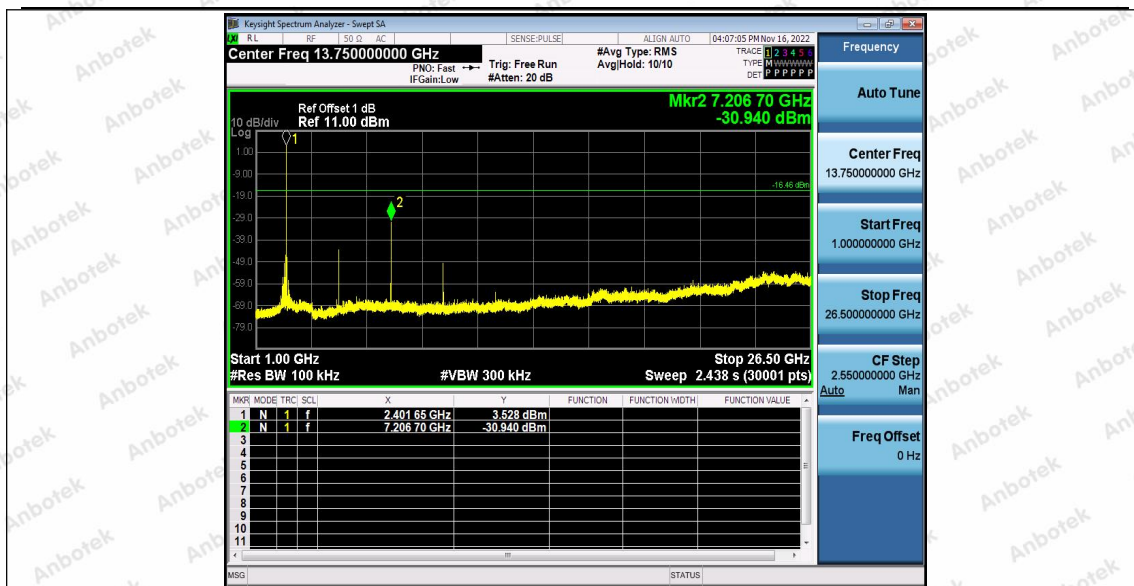
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BLE_1M_Ant1_2440_0~Reference

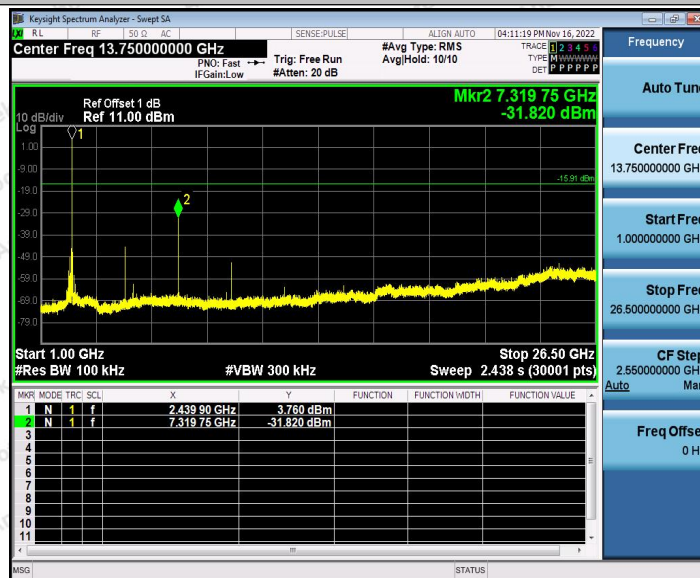


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

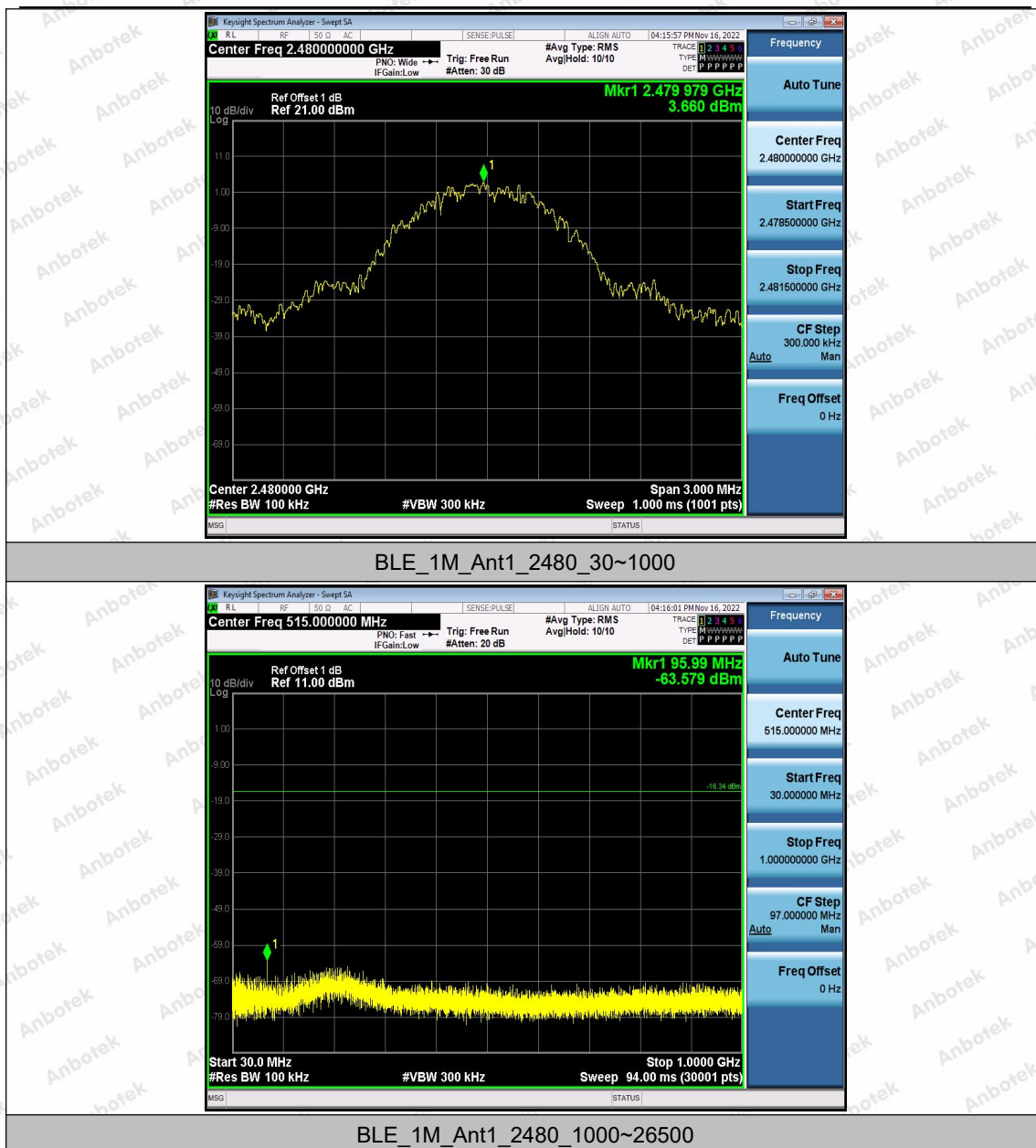
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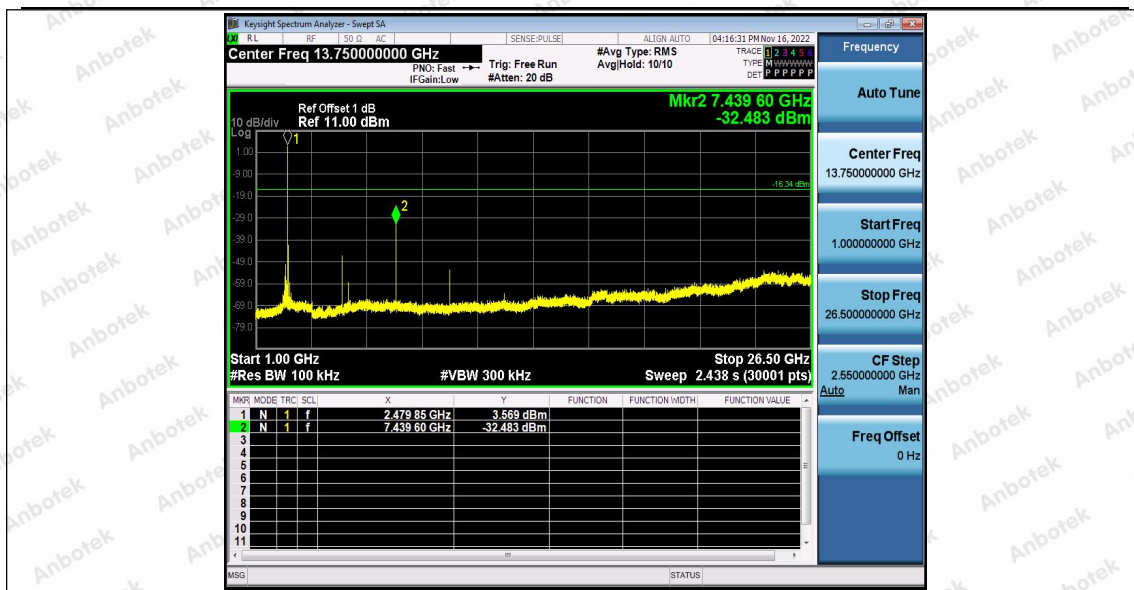
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1	1	100	0
		2440	1	1	100	0
		2480	1	1	100	0



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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