

Appendix Test Data

Report No.:	18220WC20261701	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

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.652	2402.320	0.5	PASS
		2440	0.660	2439.664	2440.324	0.5	PASS
		2480	0.648	2479.672	2480.320	0.5	PASS



Test Graphs



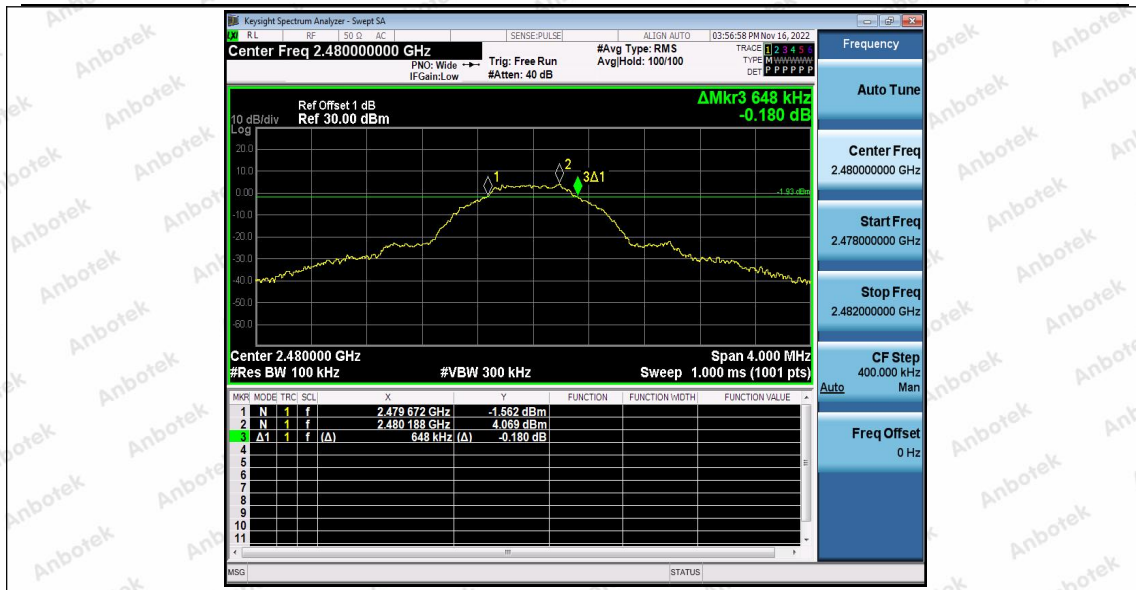
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0734	2401.4459	2402.5193
		2440	1.0779	2439.4450	2440.5229
		2480	1.1020	2479.4319	2480.5339



Test Graphs



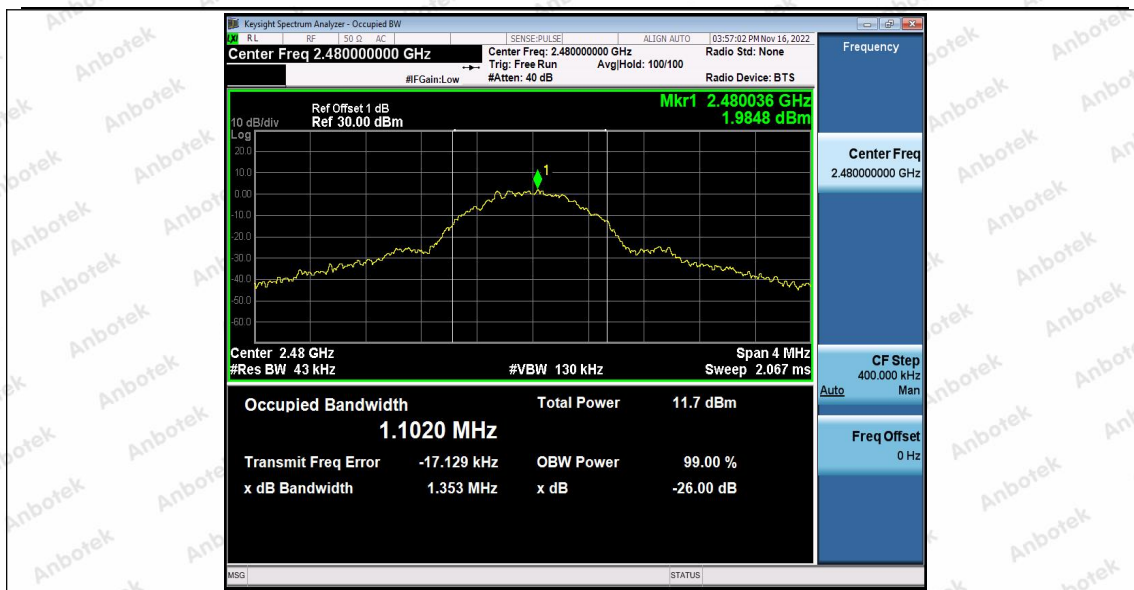
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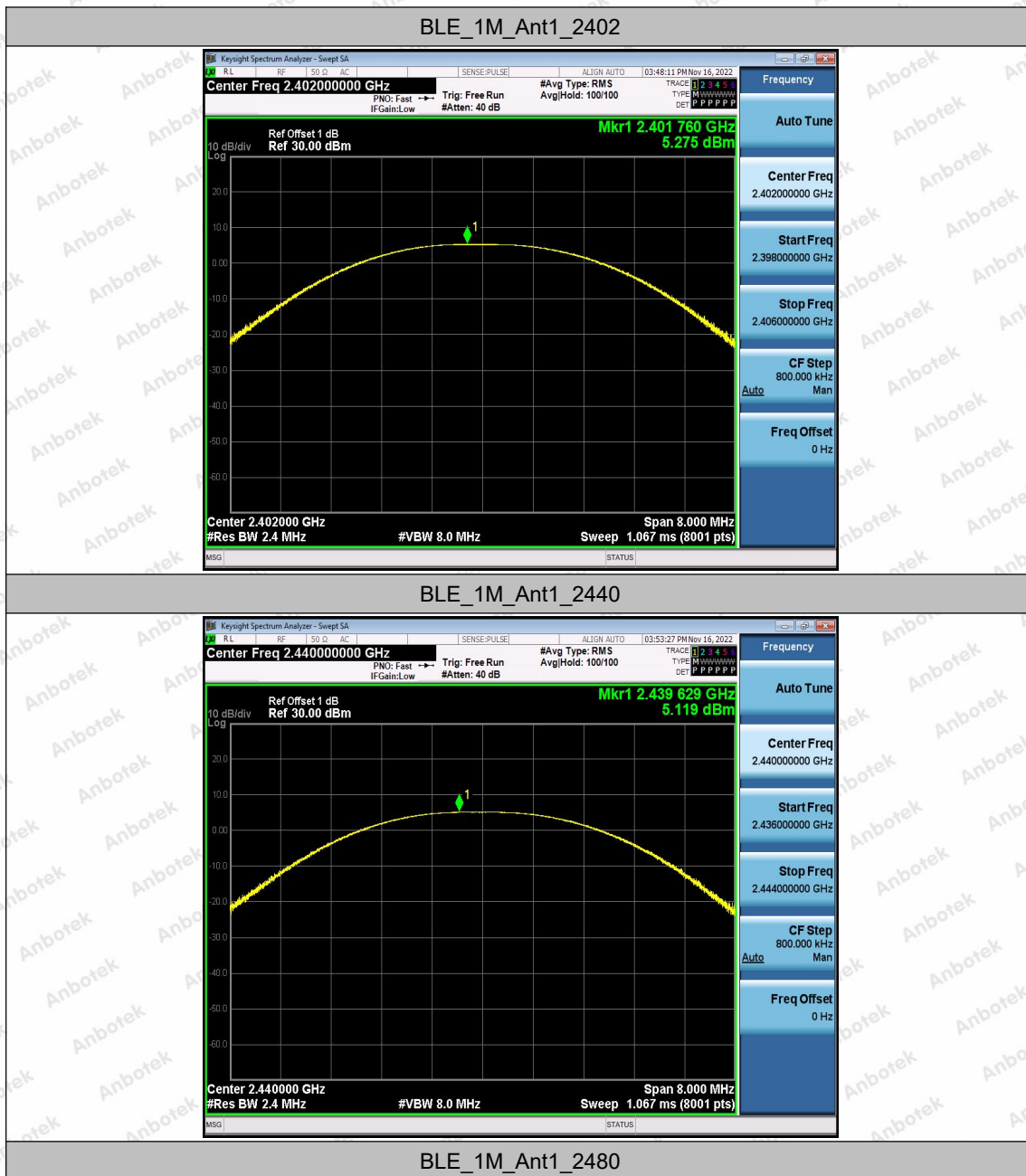
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.28	≤30	PASS
		2440	5.12	≤30	PASS
		2480	5.04	≤30	PASS



Test Graphs Peak



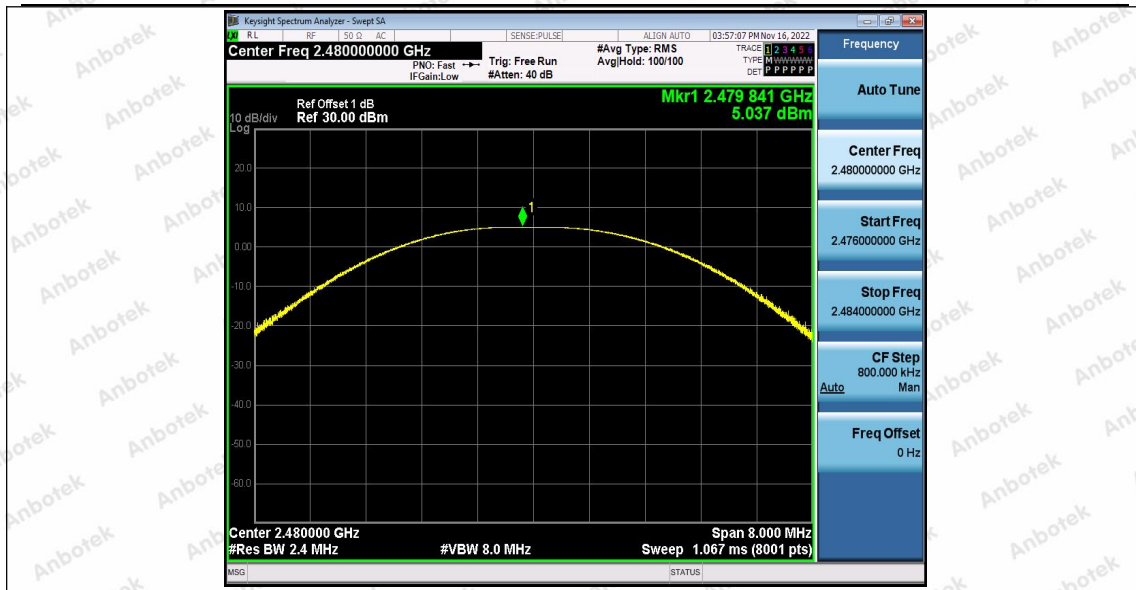
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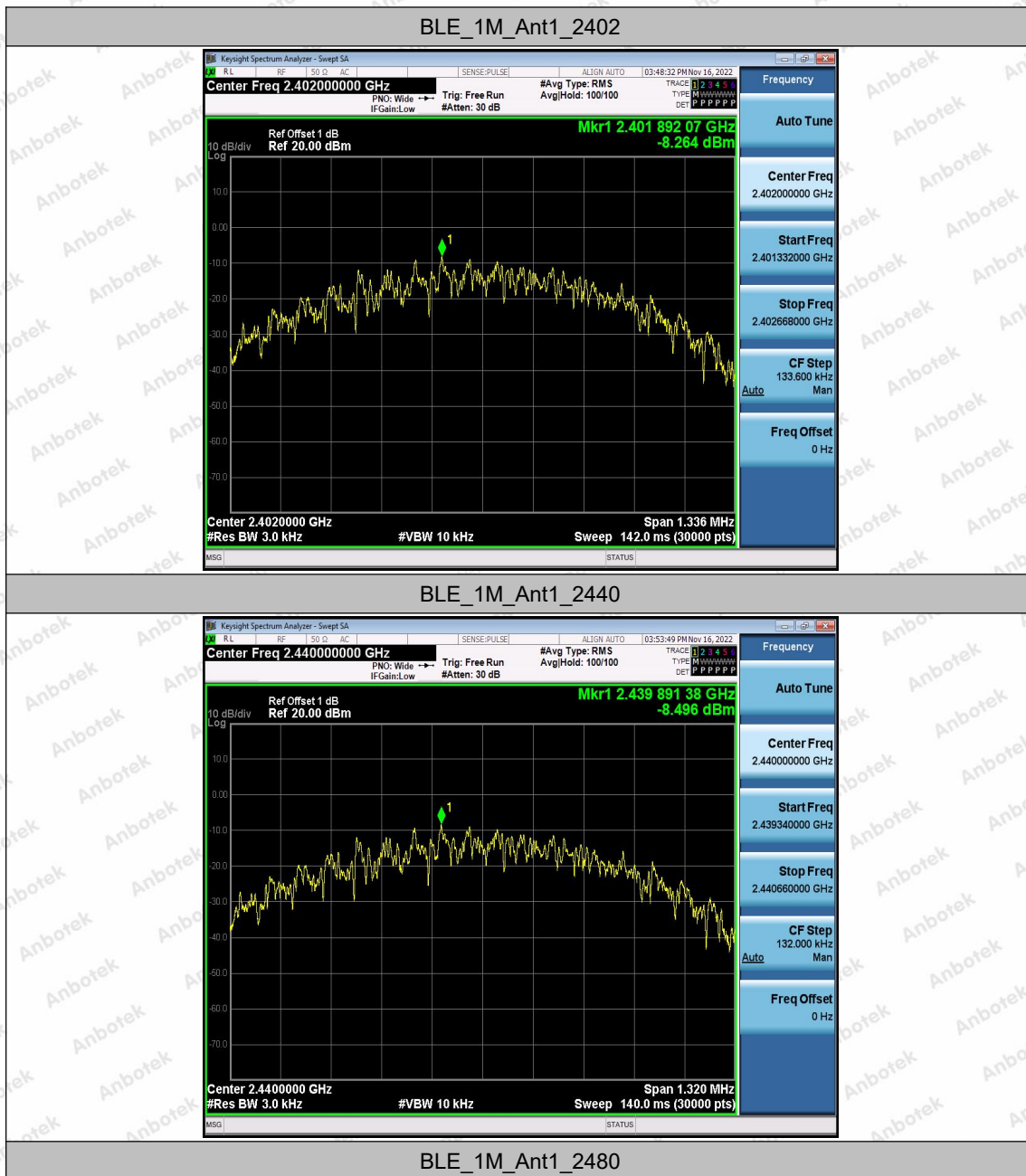
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.26	≤8.00	PASS
		2440	-8.5	≤8.00	PASS
		2480	-8.64	≤8.00	PASS



Test Graphs



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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.34	-38.6	≤-15.66	PASS
		High	2480	3.72	-38.47	≤-16.28	PASS

Test Graphs



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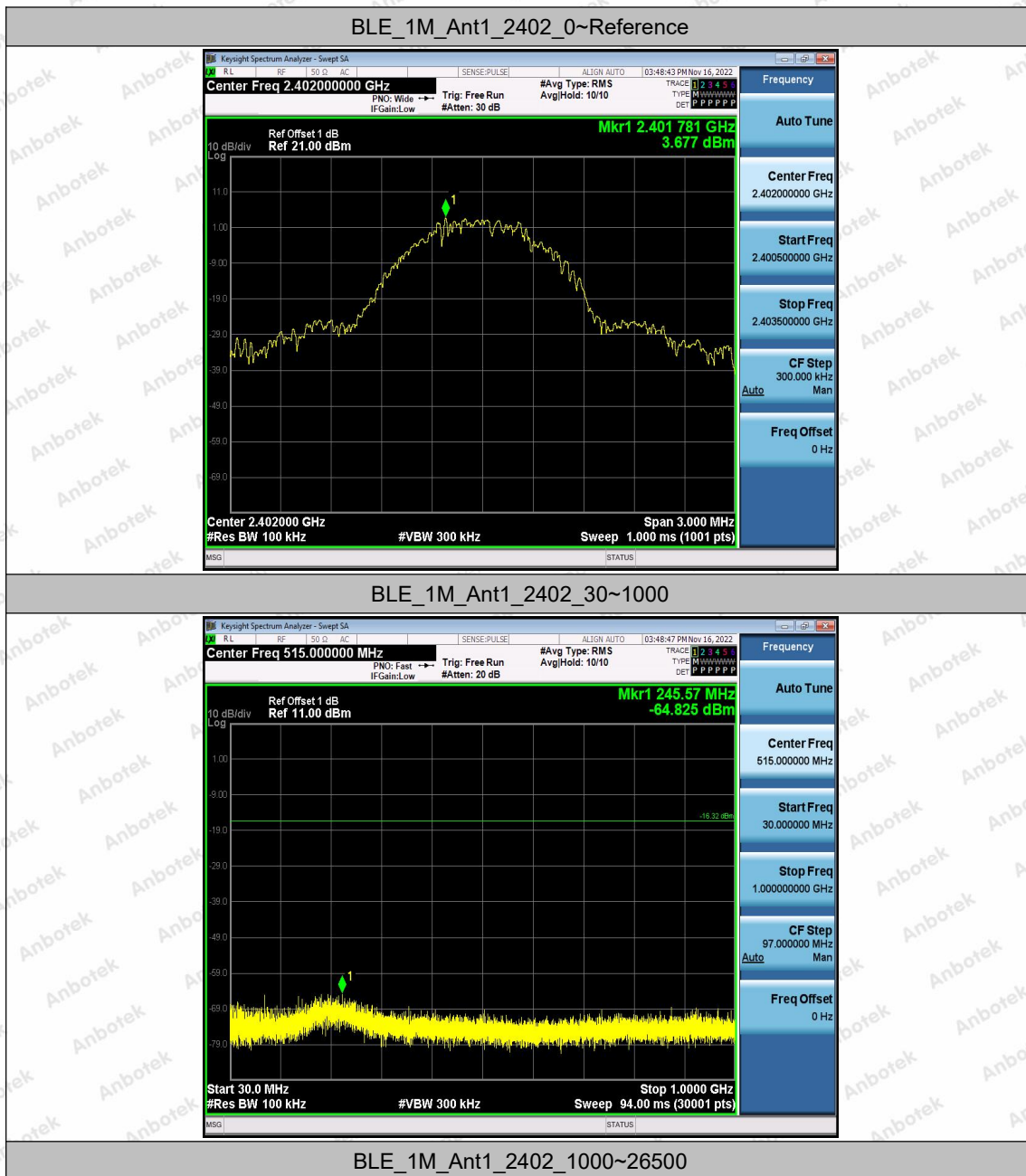
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-64.83	≤-16.32	PASS
			1000~26500	3.68	-29.03	≤-16.32	PASS
		2440	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-64.41	≤-16.52	PASS
			1000~26500	3.48	-29.79	≤-16.52	PASS
		2480	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-64.82	≤-16.38	PASS
			1000~26500	3.62	-31.74	≤-16.38	PASS



Test Graphs



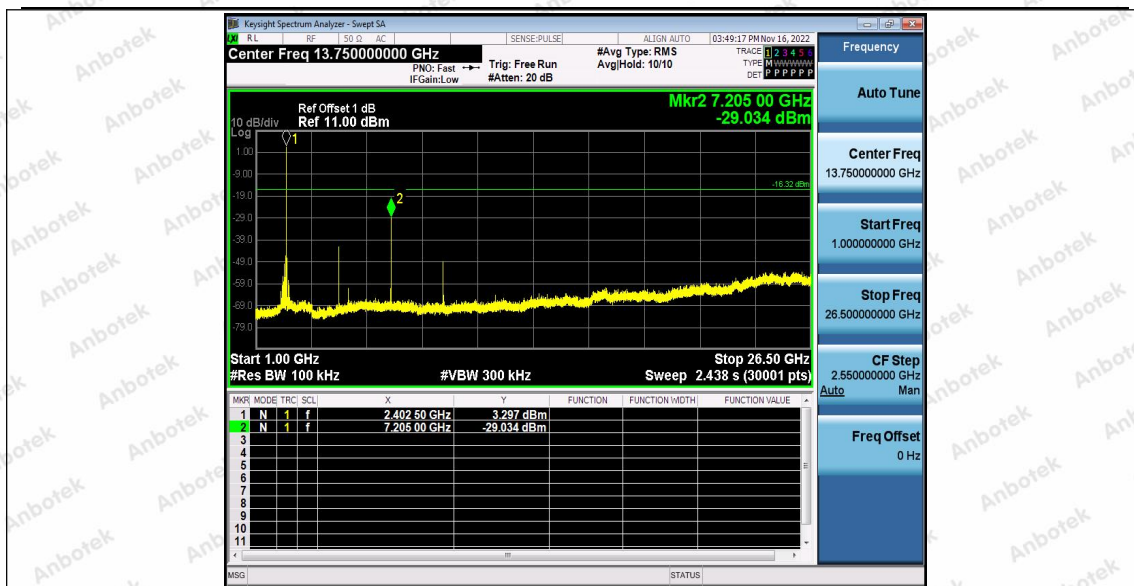
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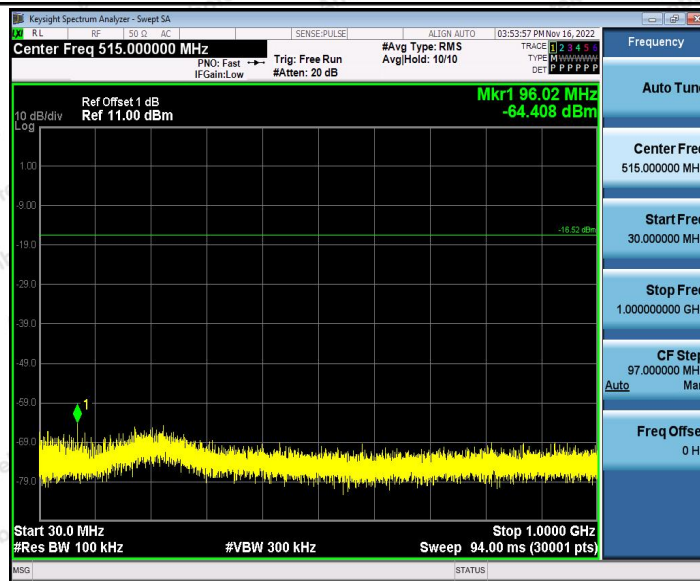


BLE_1M_Ant1_2440_0~Reference

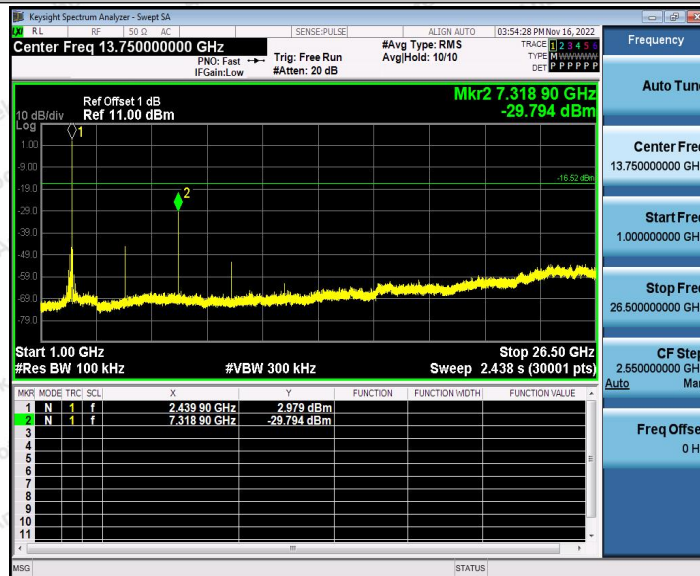


BLE_1M_Ant1_2440_30~1000



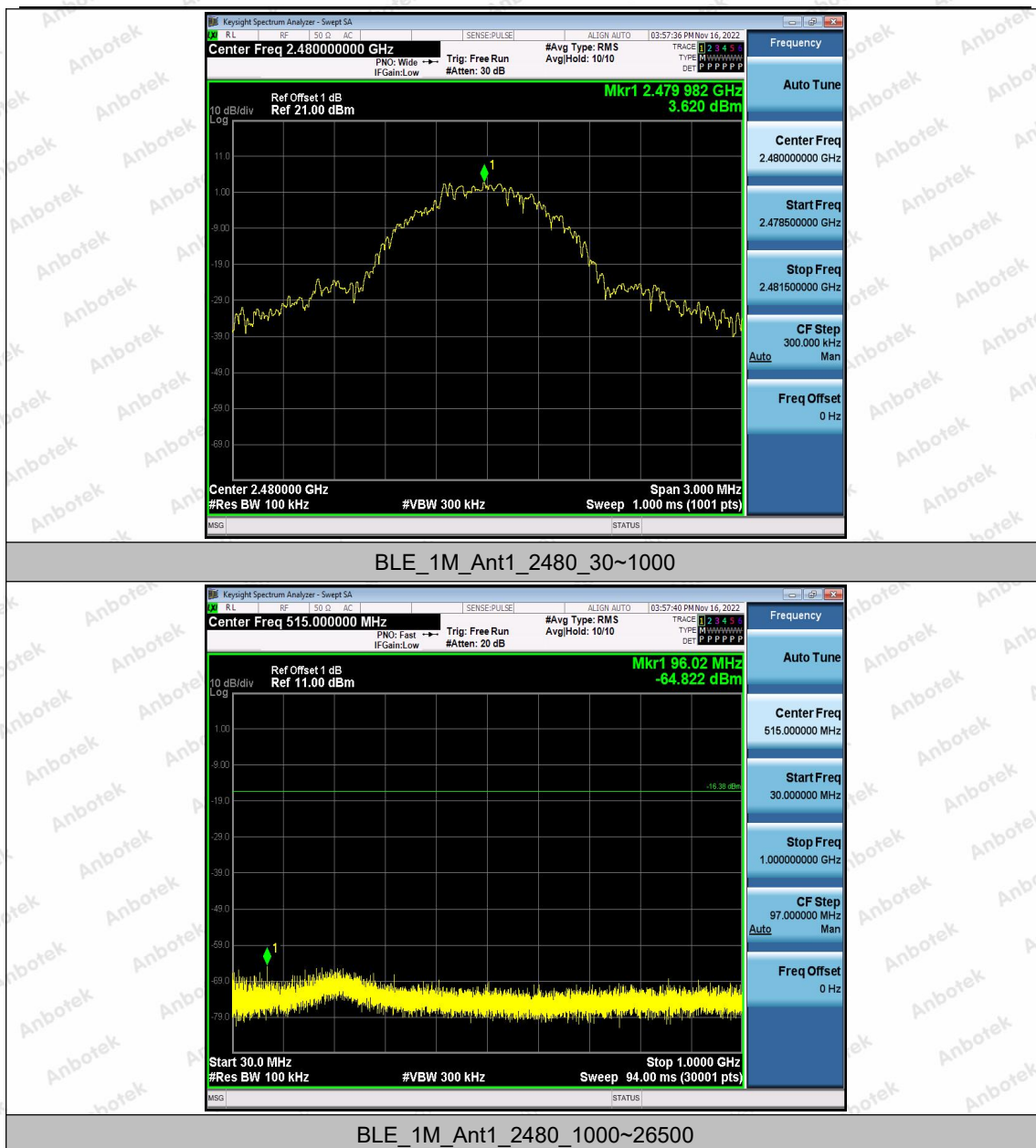


BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



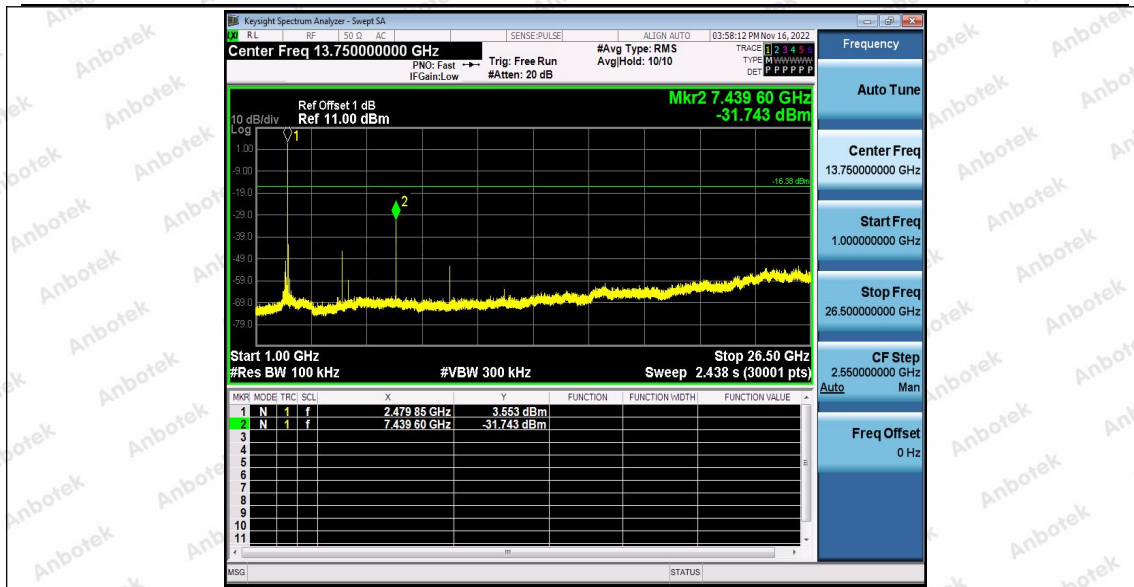
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Appendix G: Duty Cycle

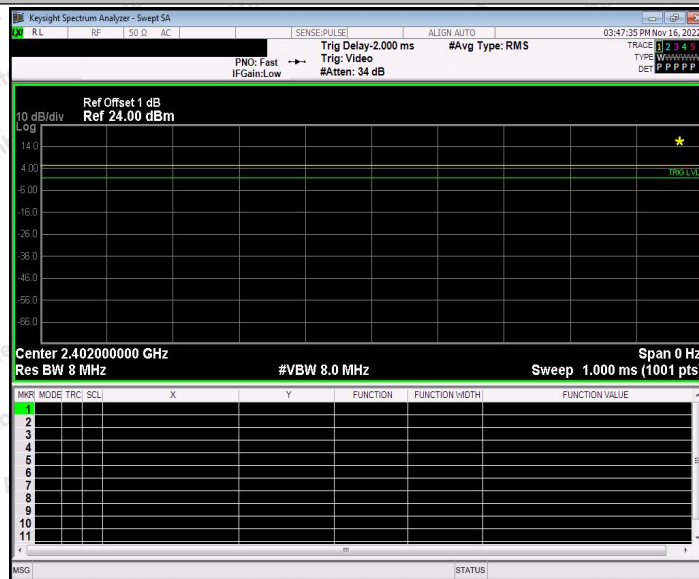
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	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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