

Appendix Test Data

Report No.:	18220WC20235801	Test Sample No.:	1-2-2
Start Test Date:	2022.10.9	Finish Test Date:	2022.10.10
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	0.644	2401.668	2402.312	0.5	PASS
		2440	0.660	2439.664	2440.324	0.5	PASS
		2480	0.636	2479.664	2480.300	0.5	PASS







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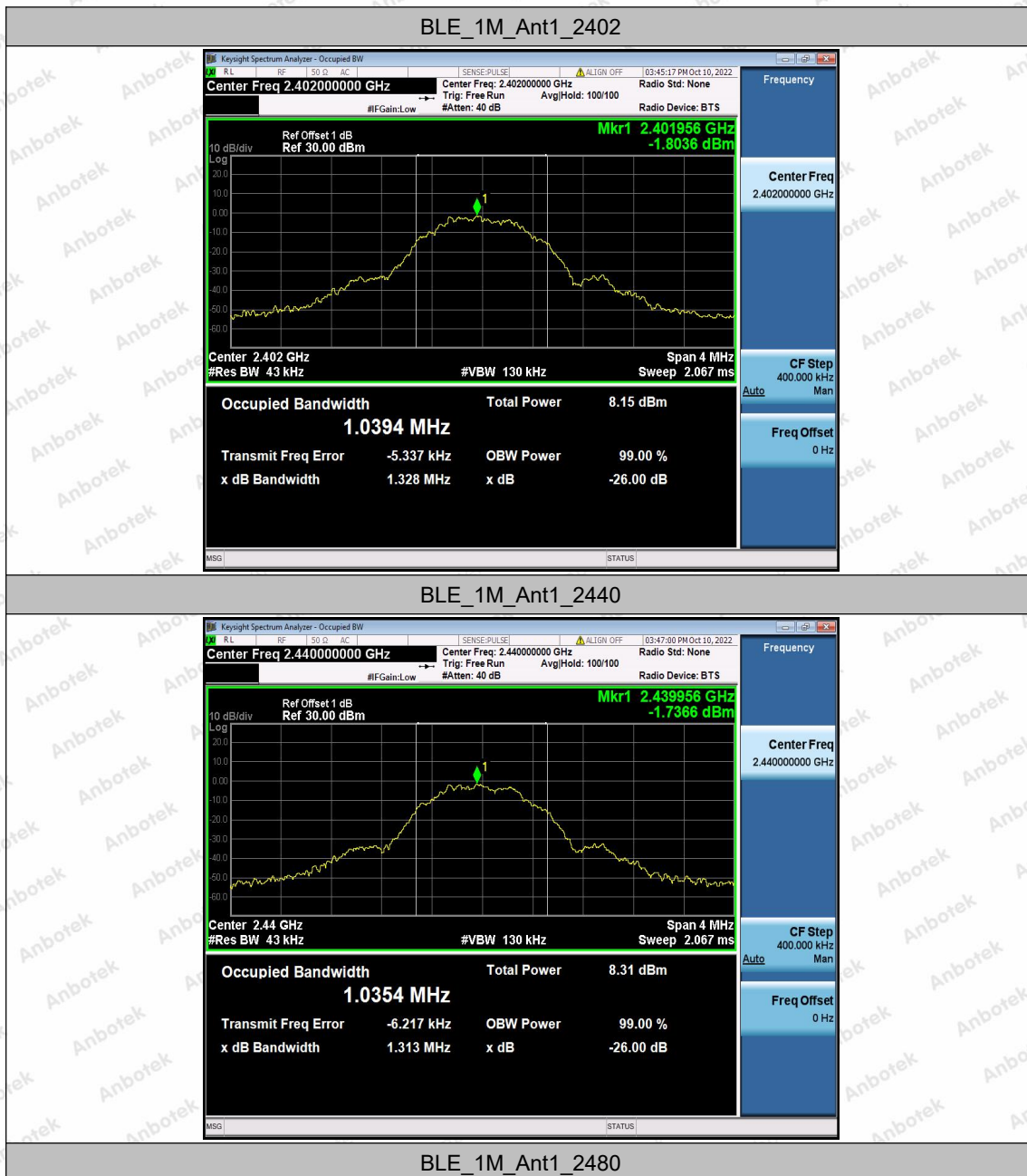
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0394	2401.4750	2402.5144
		2440	1.0354	2439.4761	2440.5115
		2480	1.0343	2479.4785	2480.5128



Test Graphs



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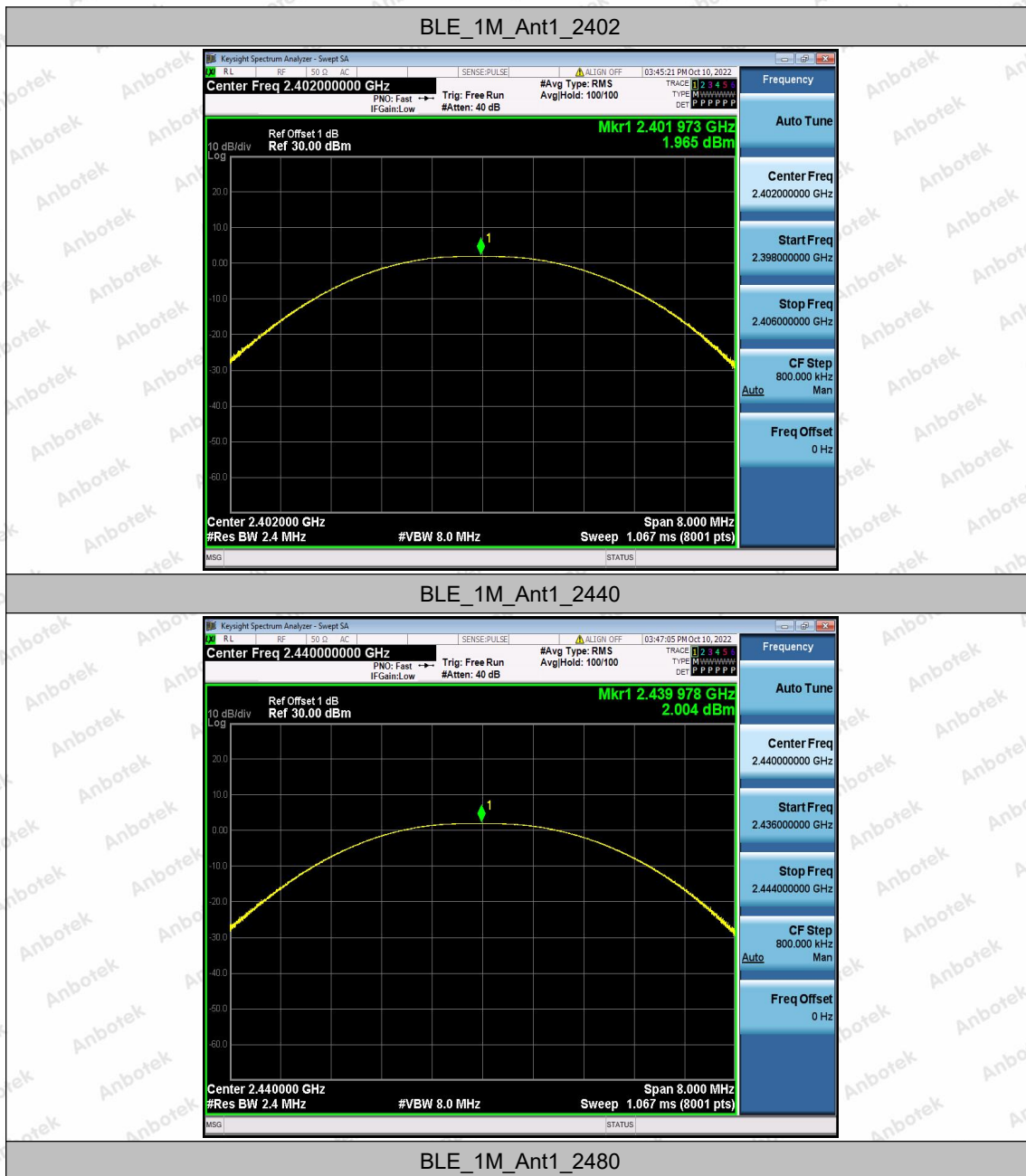
Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP Power[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.97	≤30	5.4	≤36.02	PASS
		2440	2	≤30	5.43	≤36.02	PASS
		2480	2	≤30	5.43	≤36.02	PASS



Test Graphs Peak



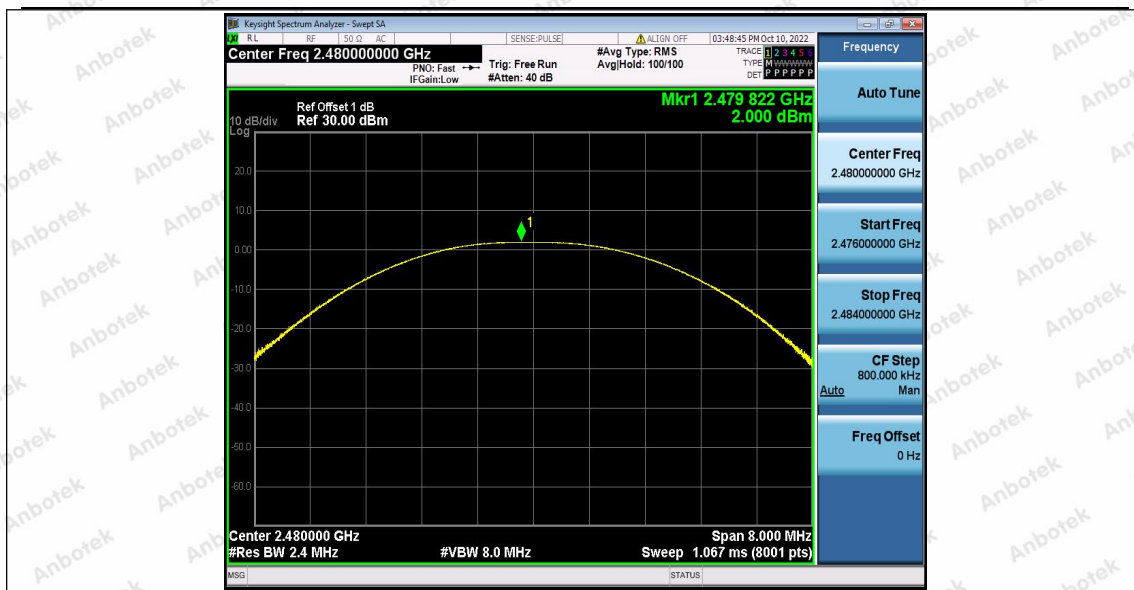
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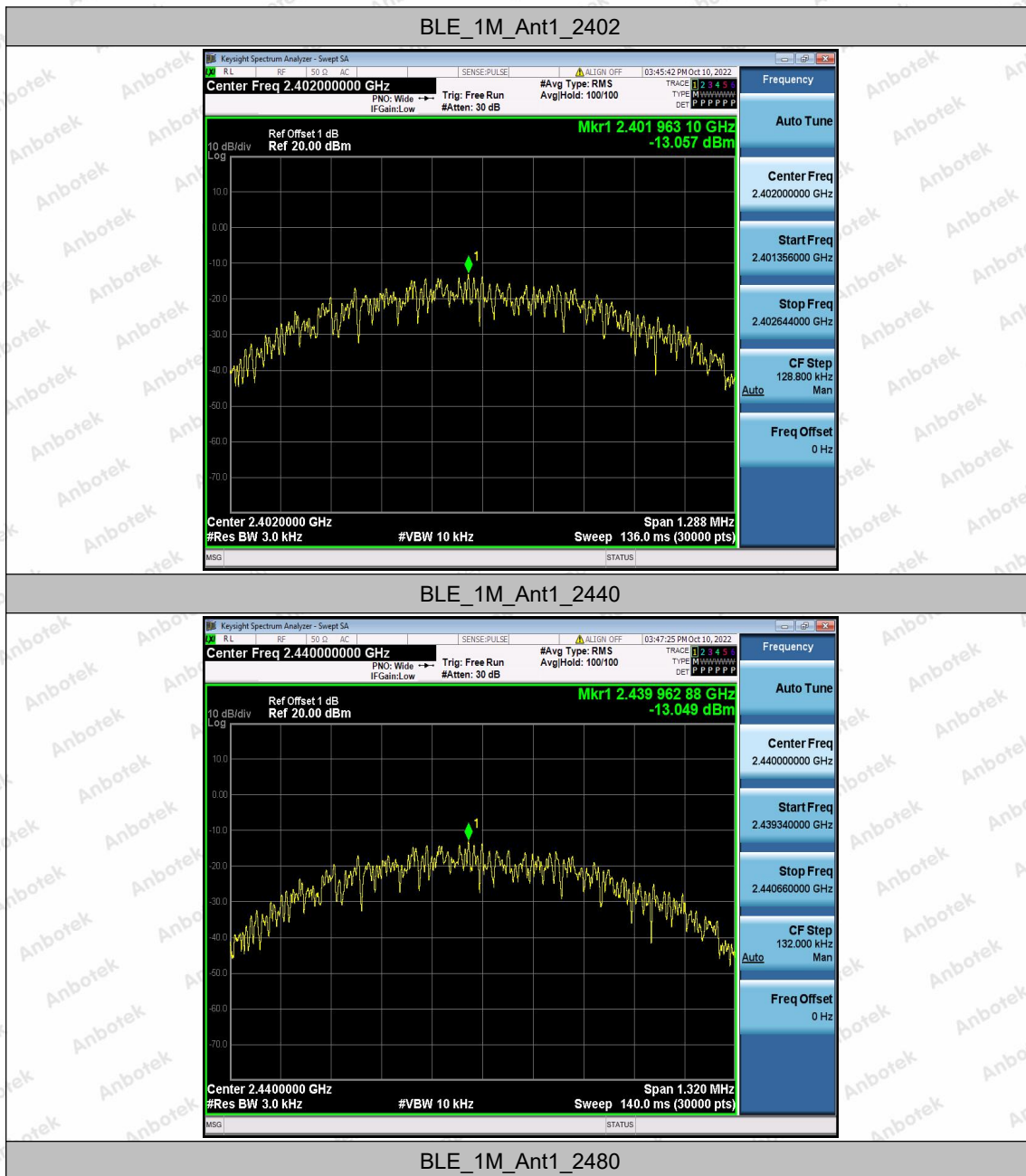
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.06	≤8.00	PASS
		2440	-13.05	≤8.00	PASS
		2480	-13.01	≤8.00	PASS



Test Graphs



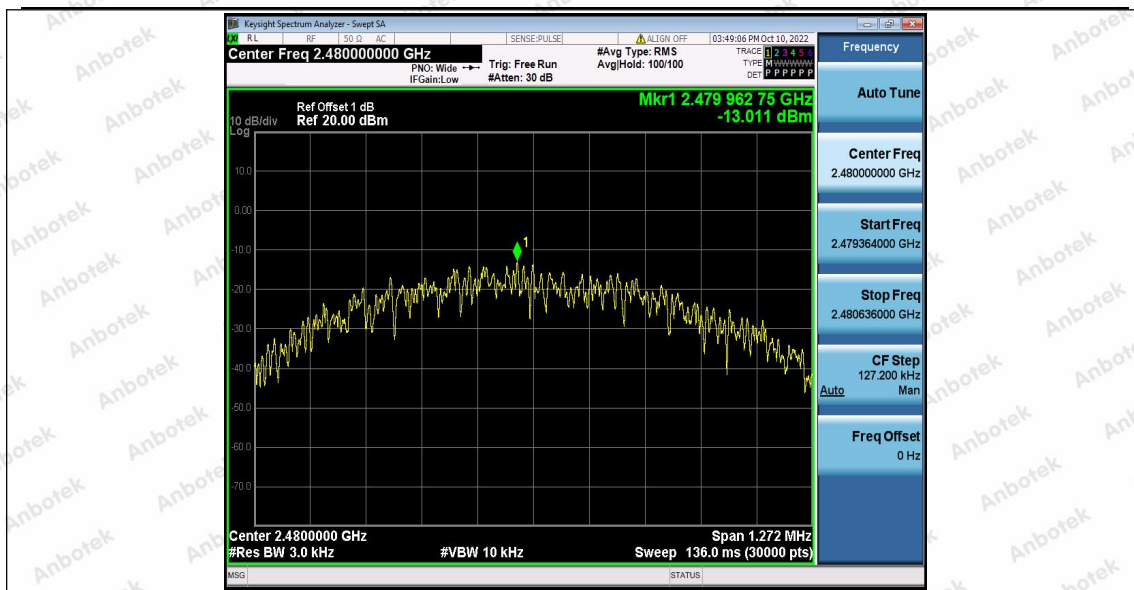
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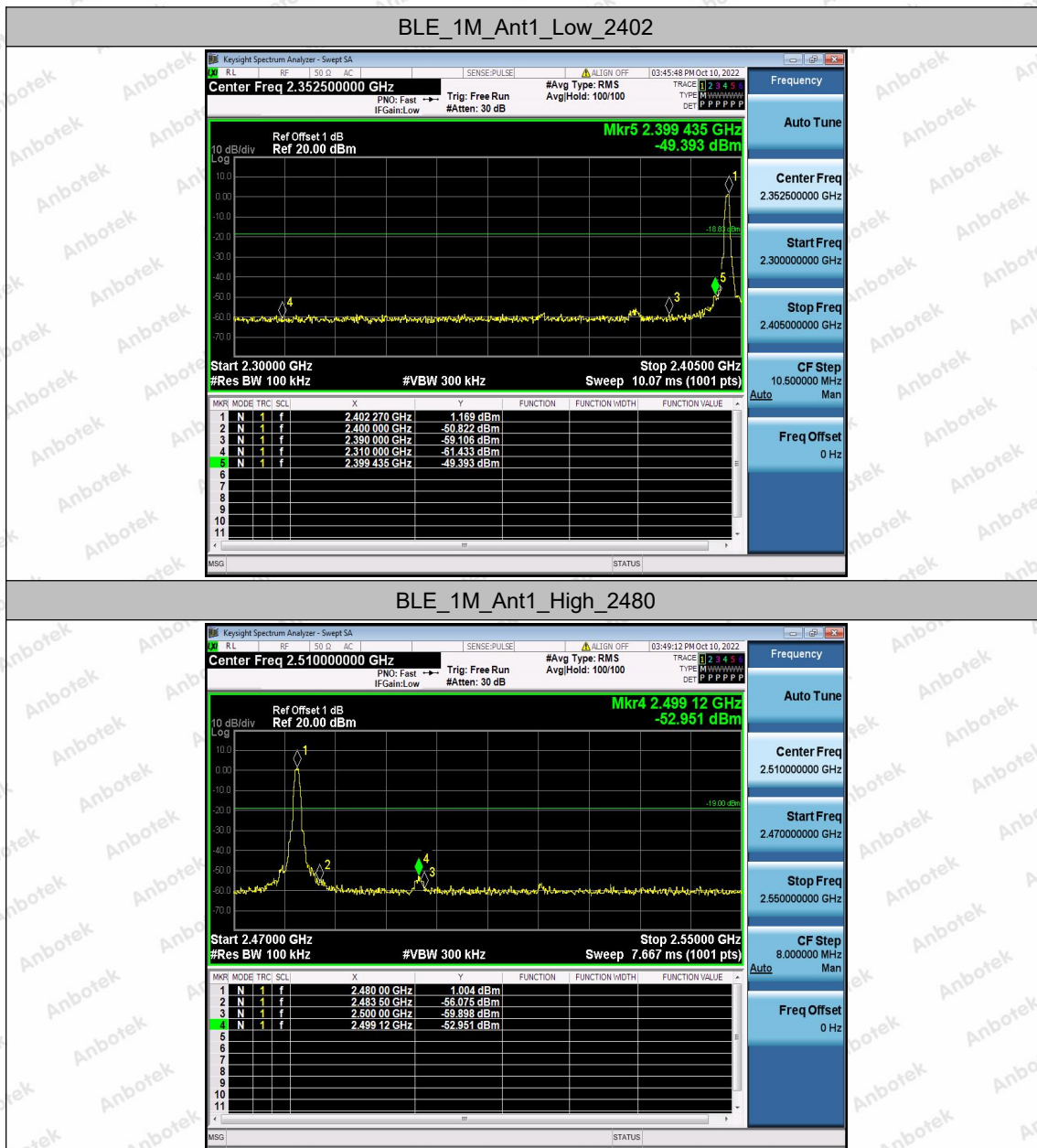
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.17	-49.39	≤-18.83	PASS
		High	2480	1.00	-52.95	≤-19	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	0.09	0.09	---	PASS
			30~1000	0.09	-56.66	≤-19.91	PASS
			1000~26500	0.09	-53.52	≤-19.91	PASS
		2440	Reference	0.83	0.83	---	PASS
			30~1000	0.83	-56.79	≤-19.17	PASS
			1000~26500	0.83	-52.94	≤-19.17	PASS
		2480	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-57.01	≤-18.93	PASS
			1000~26500	1.07	-53.59	≤-18.93	PASS

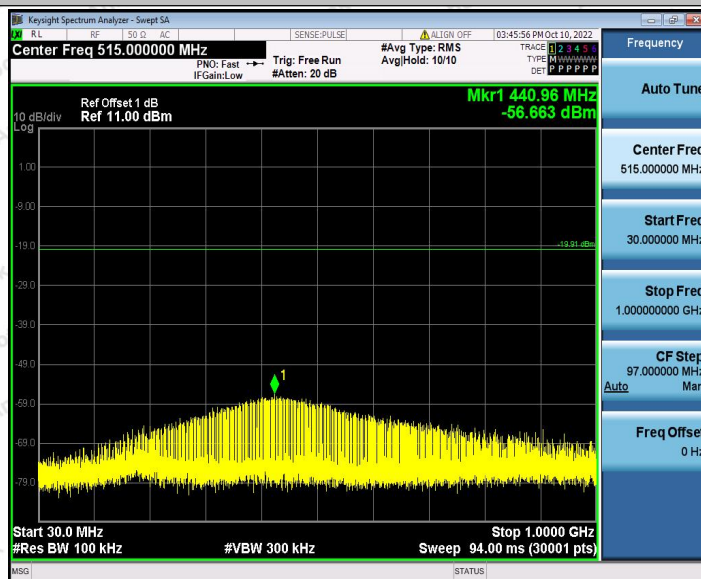


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

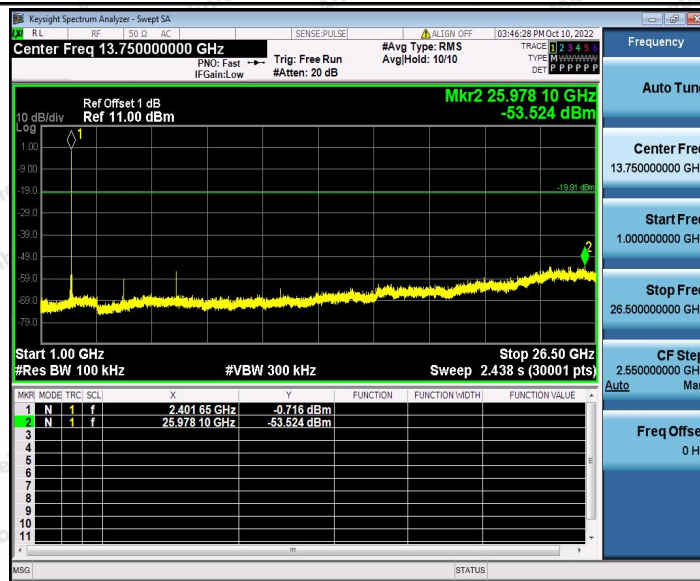
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

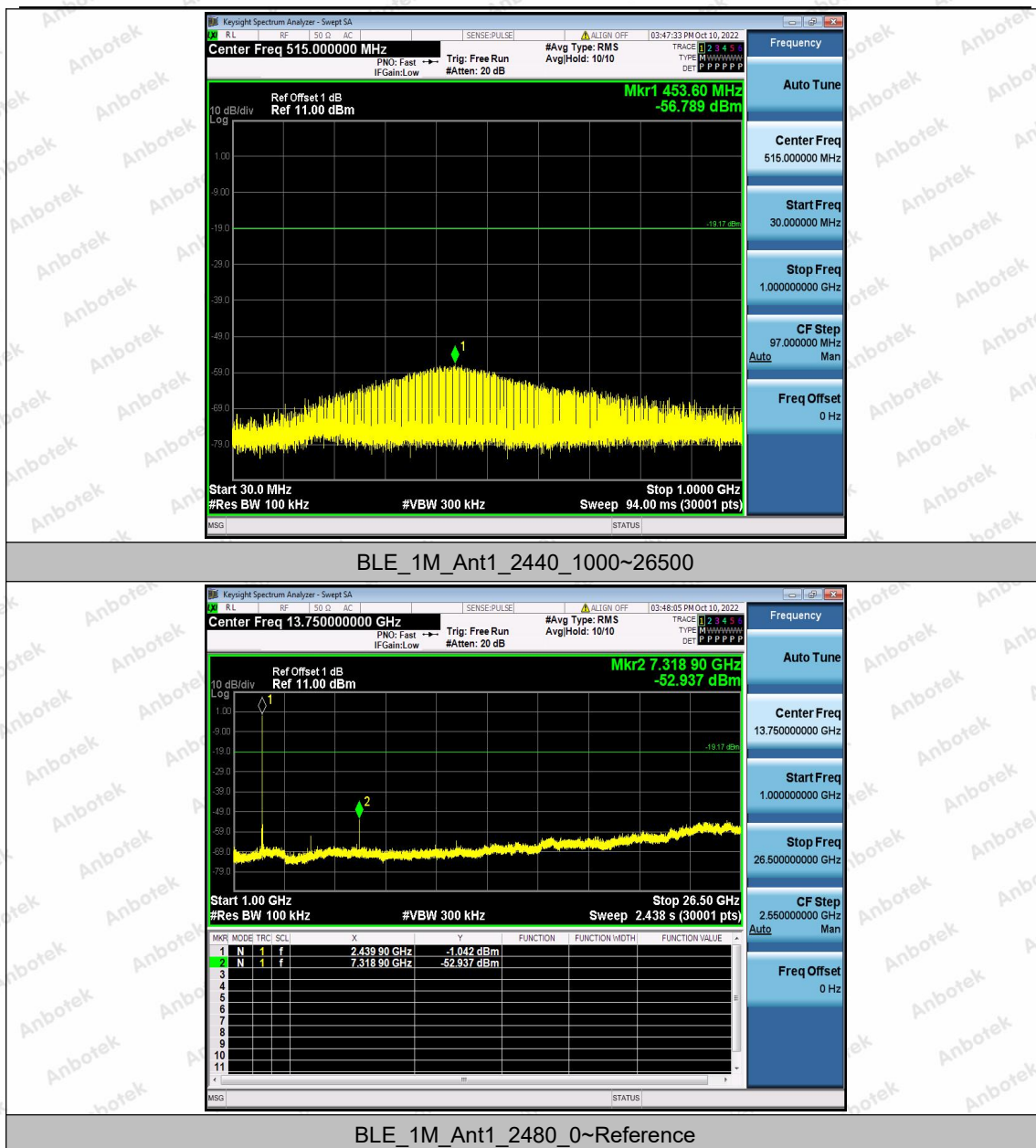
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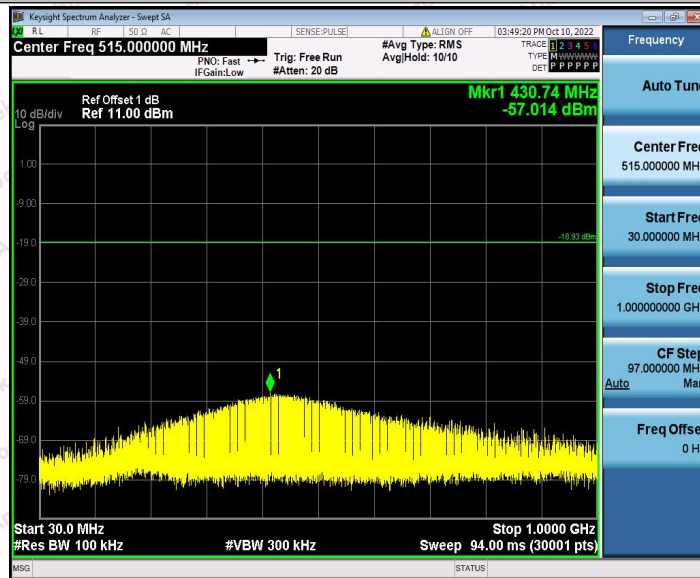


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

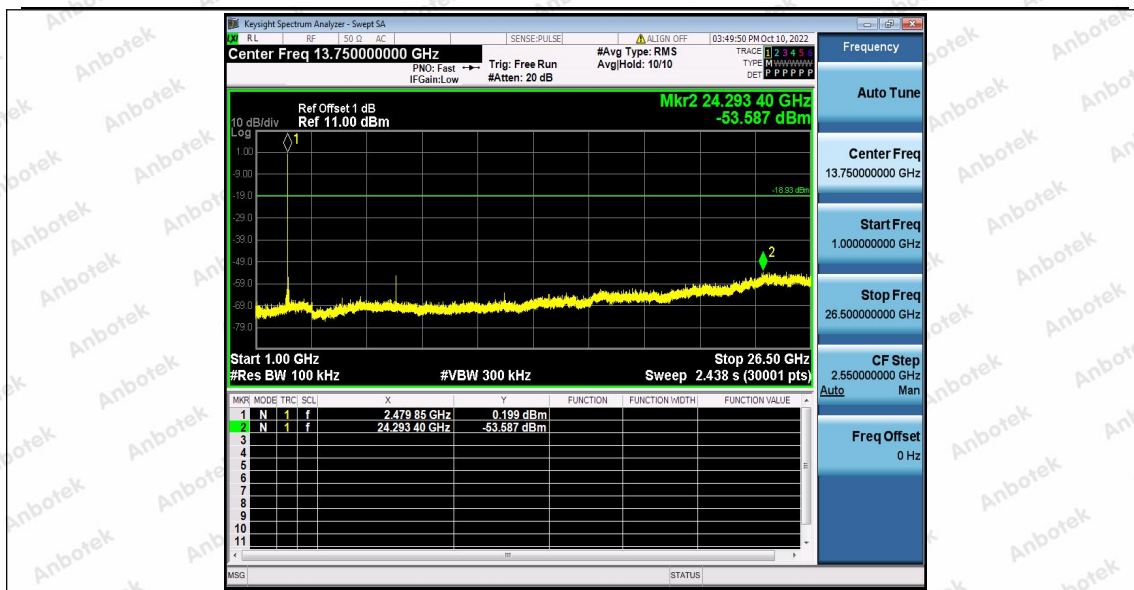
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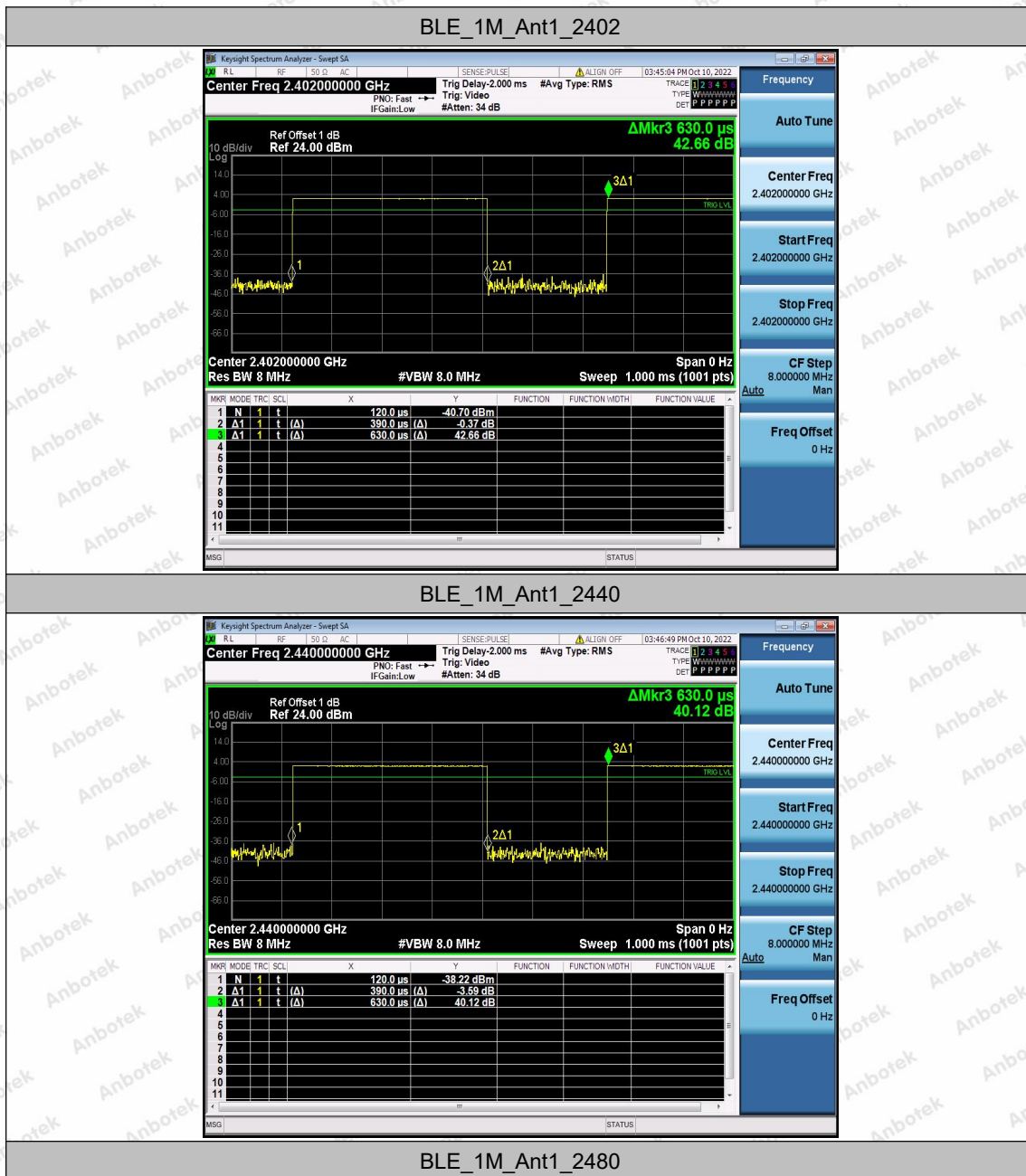
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08



Test Graphs



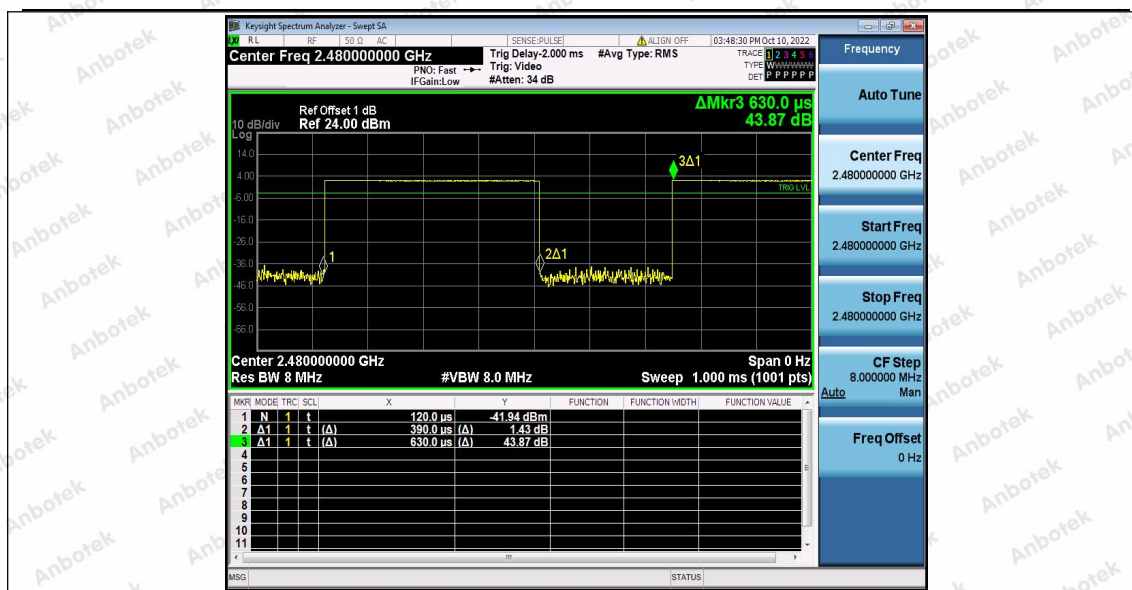
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