

Appendix Test Data

Report No.:	18220WC20208402	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.8
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	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	0.788	2401.604	2402.392	0.5	PASS
		2440	0.800	2439.592	2440.392	0.5	PASS
		2480	0.800	2479.600	2480.400	0.5	PASS



Test Graphs



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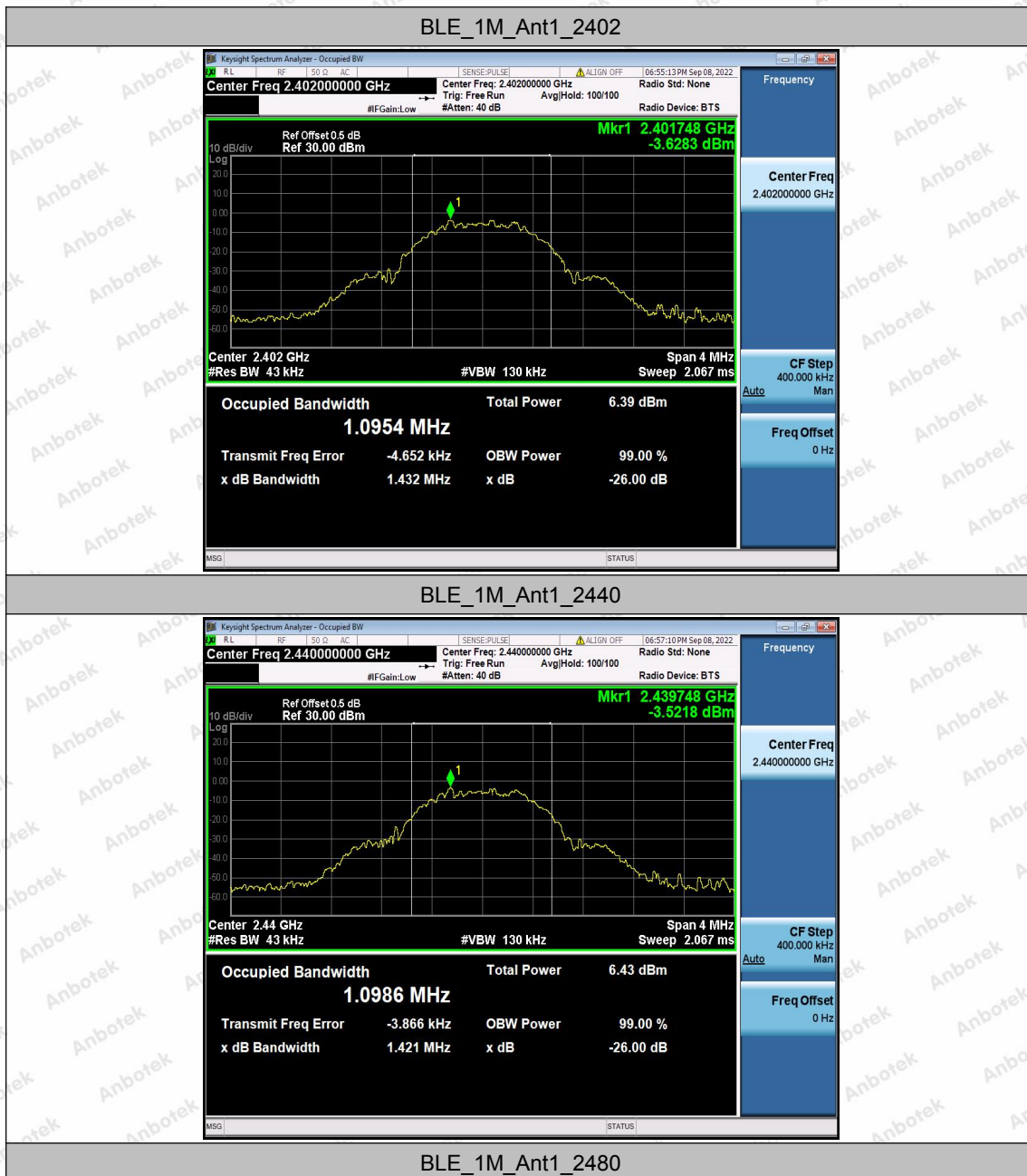
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0954	2401.4477	2402.5431
		2440	1.0986	2439.4468	2440.5454
		2480	1.0980	2479.4461	2480.5441



Test Graphs



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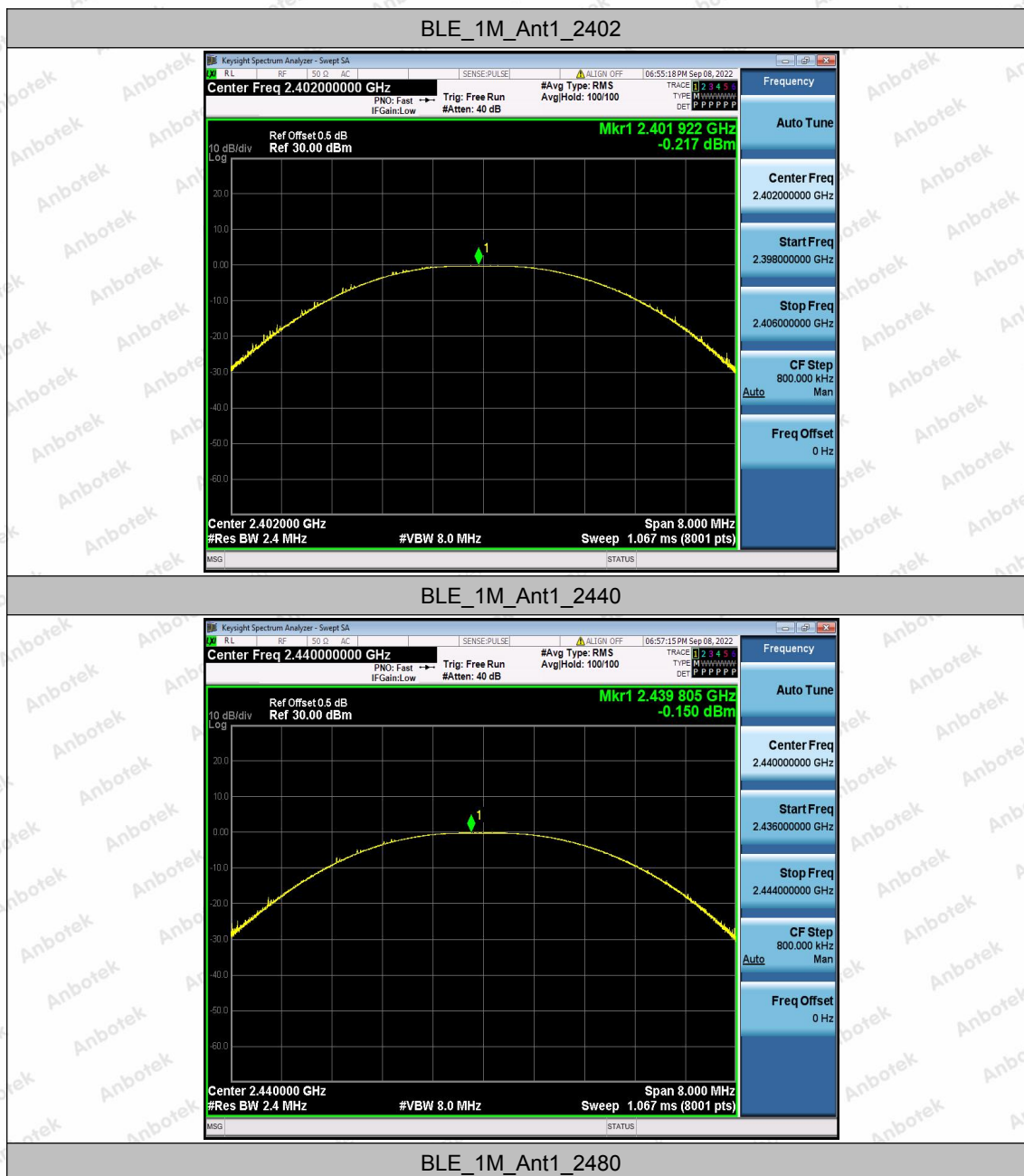


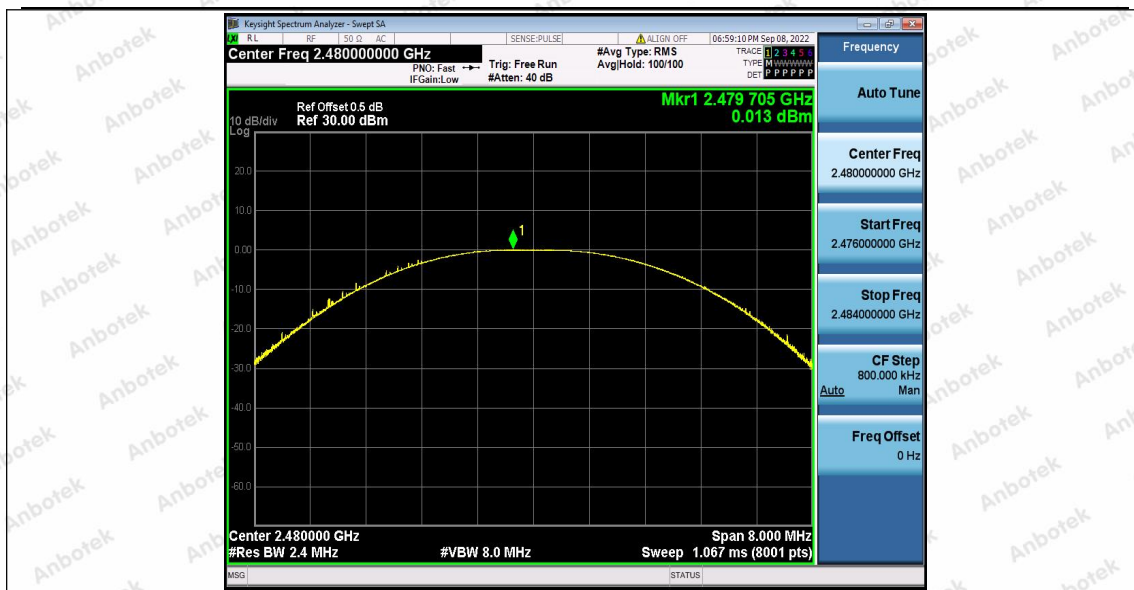
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.22	≤30	PASS
		2440	-0.15	≤30	PASS
		2480	0.01	≤30	PASS





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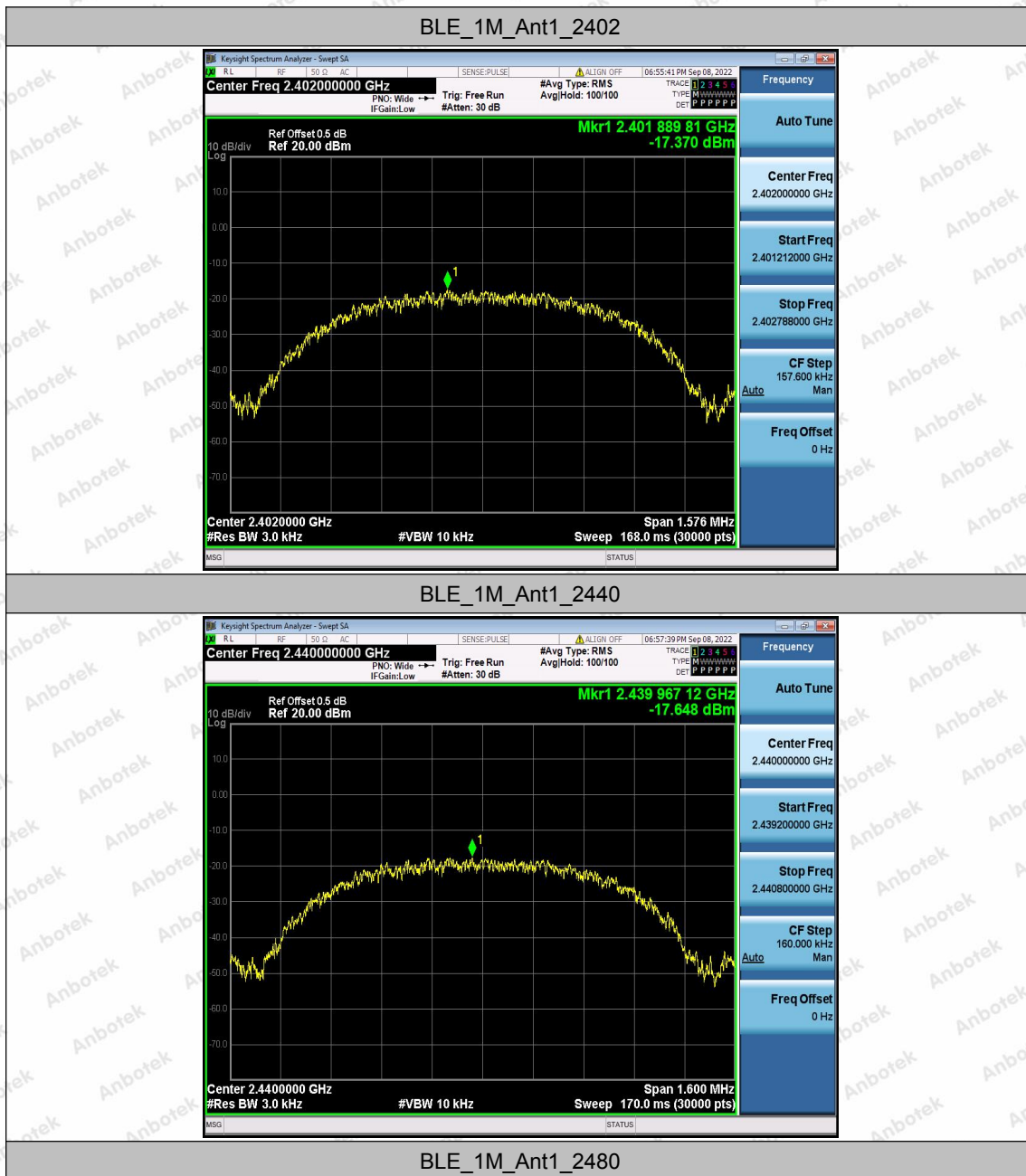
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.37	≤8.00	PASS
		2440	-17.65	≤8.00	PASS
		2480	-17.15	≤8.00	PASS



Test Graphs



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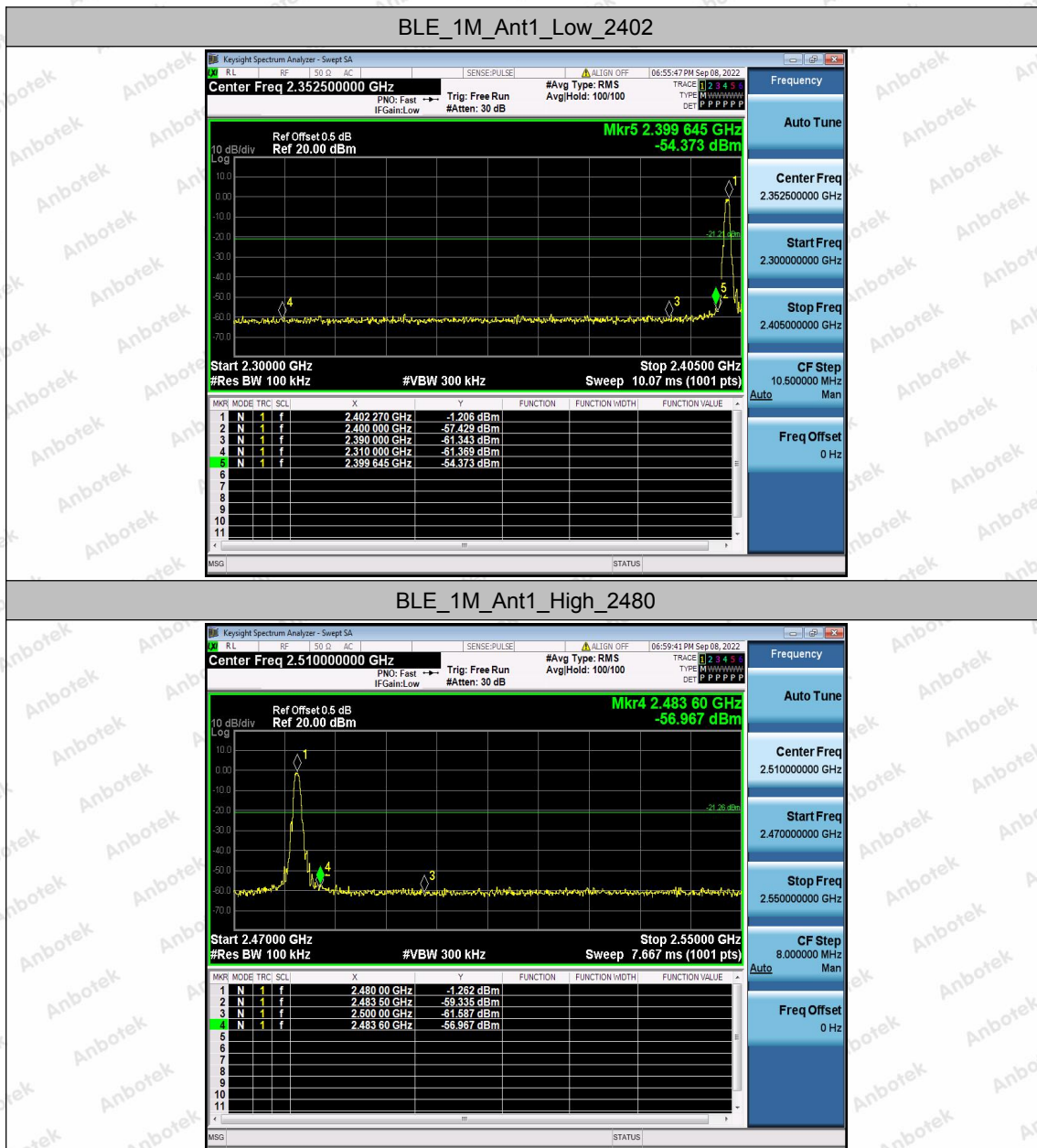
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.21	-54.37	≤-21.21	PASS
		High	2480	-1.26	-56.97	≤-21.26	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	-1.55	-1.55	---	PASS
			30~1000	-1.55	-66.92	≤-31.55	PASS
			1000~26500	-1.55	-48.69	≤-31.55	PASS
		2440	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-65.71	≤-32.01	PASS
			1000~26500	-2.01	-50.63	≤-32.01	PASS
		2480	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-65.26	≤-31.45	PASS
			1000~26500	-1.45	-53.54	≤-31.45	PASS

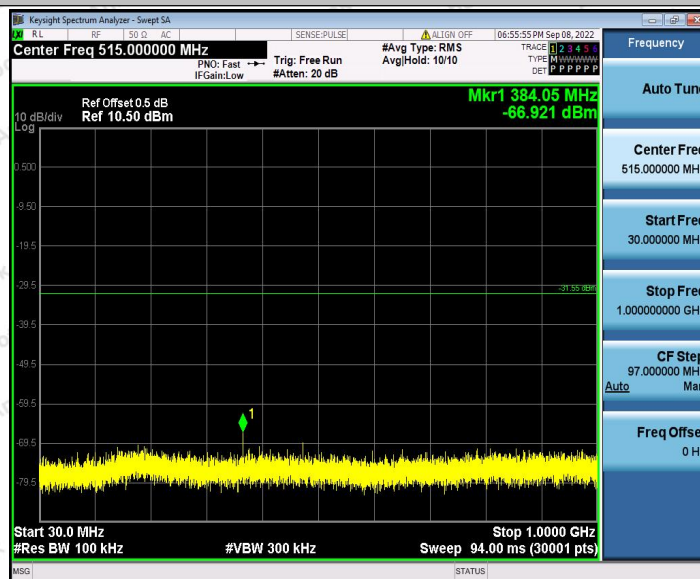


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

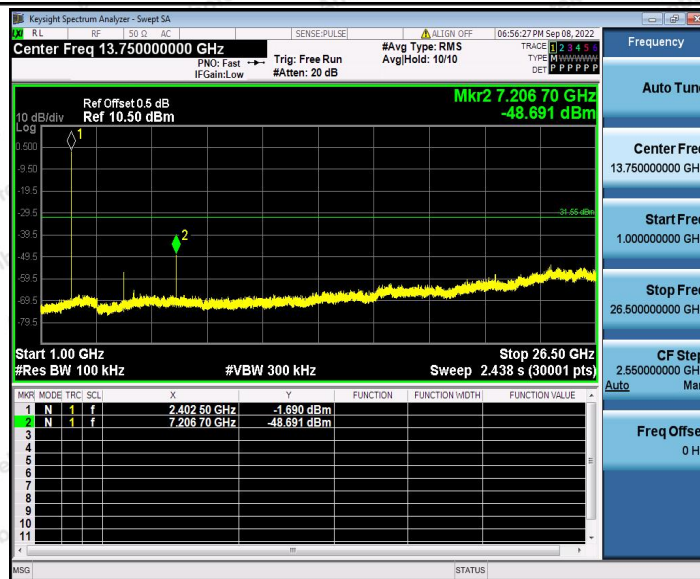
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

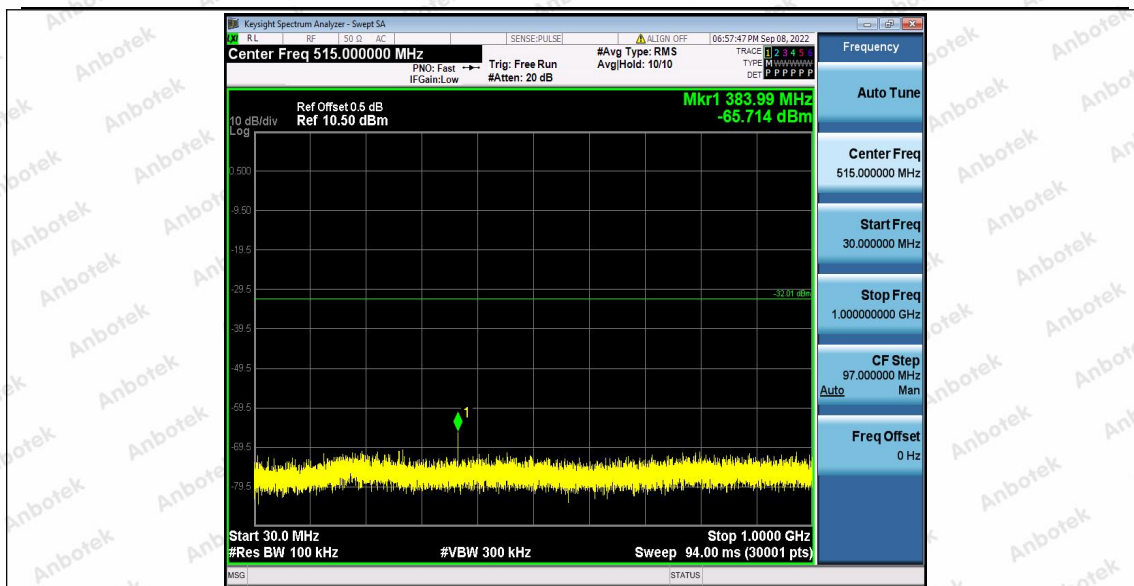
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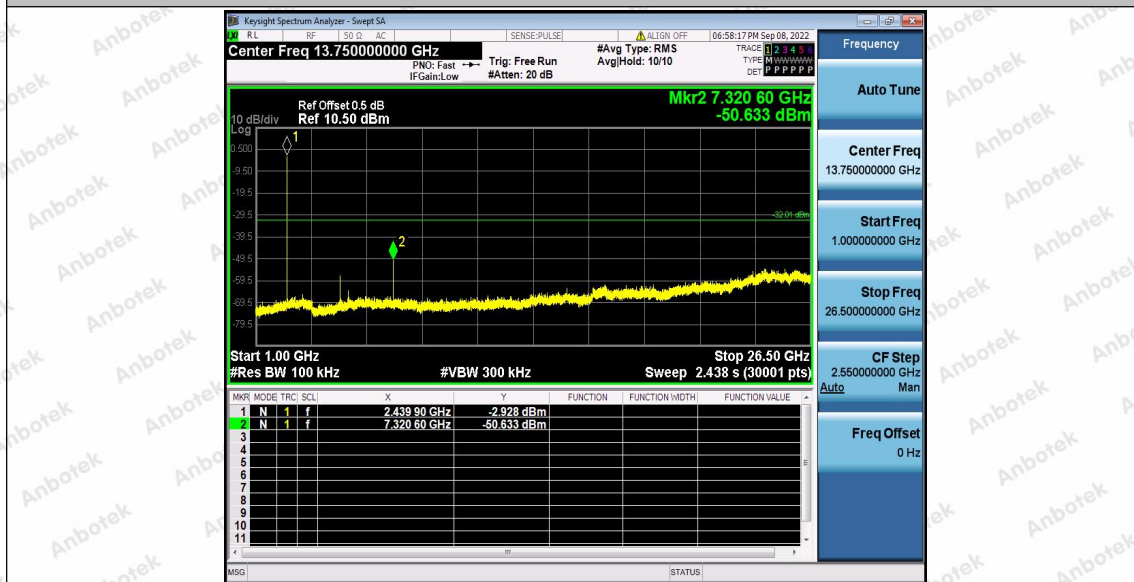


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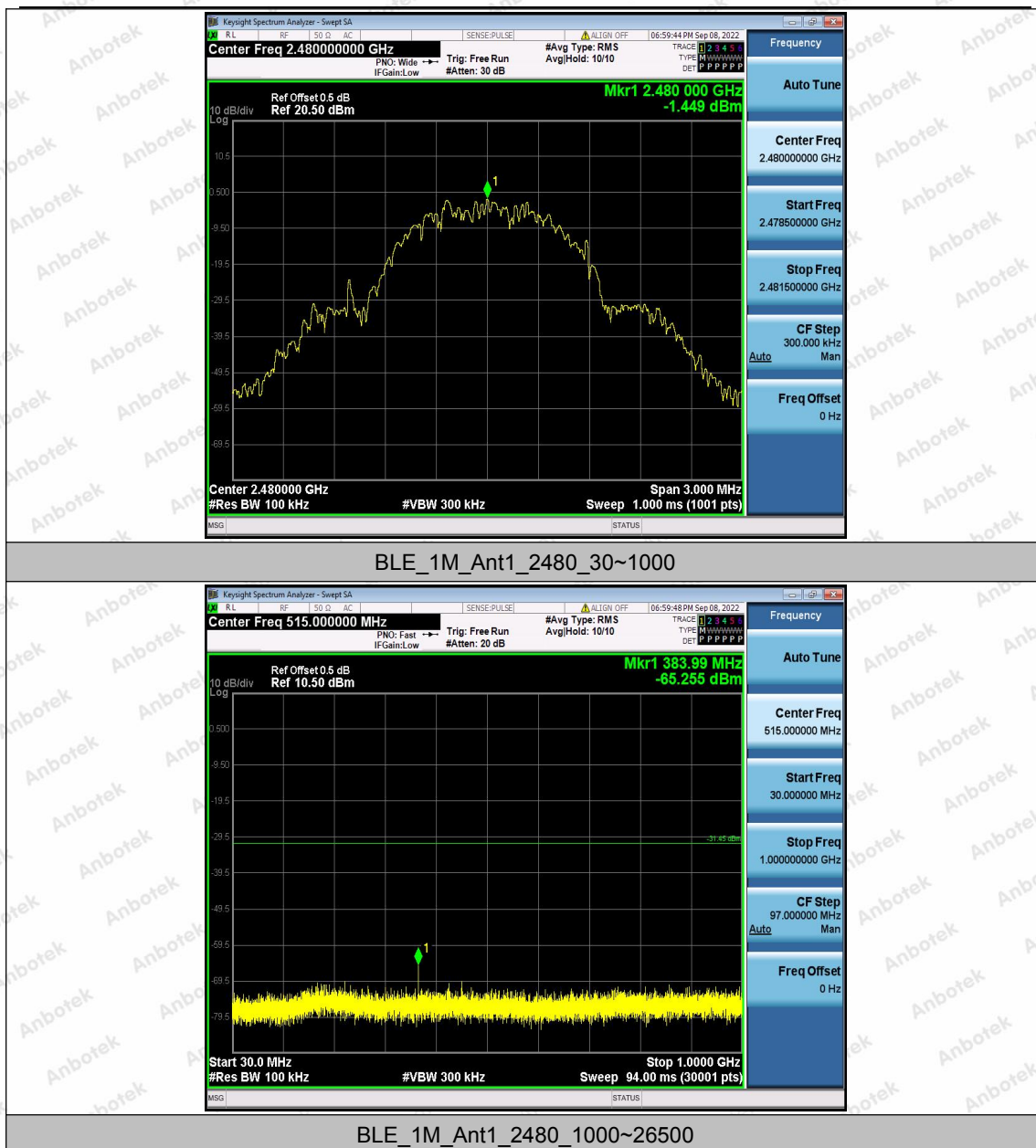


BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference





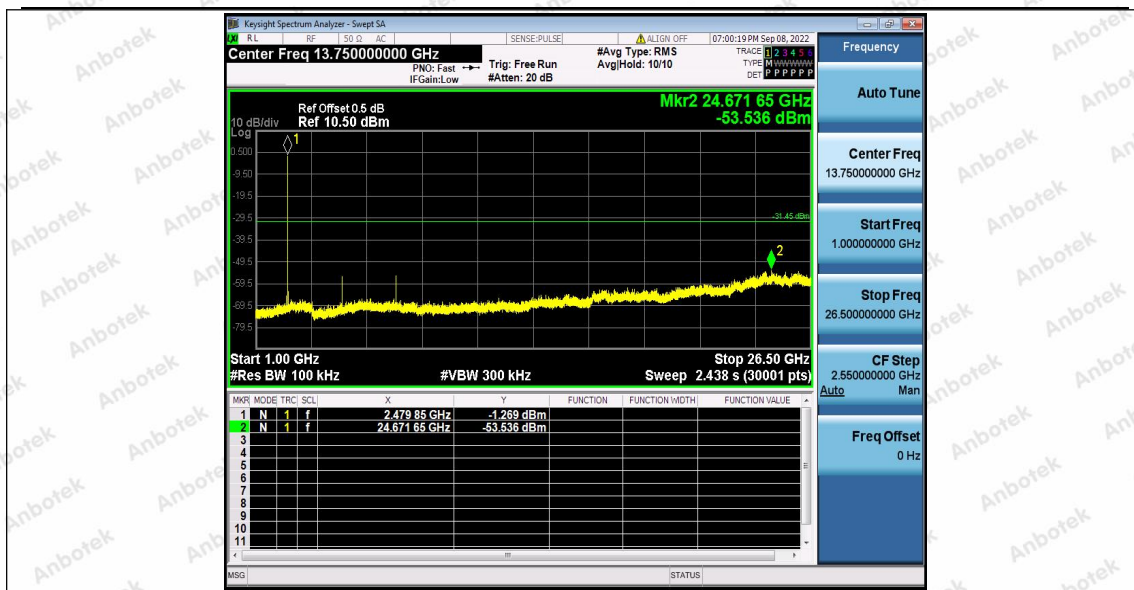
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Appendix G: Duty Cycle

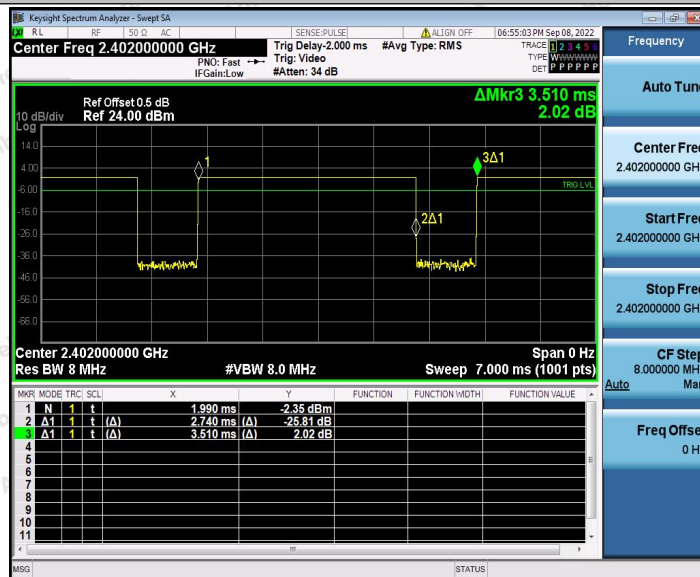
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.74	3.51	78.06	1.08
		2440	2.74	3.51	78.06	1.08
		2480	2.75	3.52	78.13	1.07

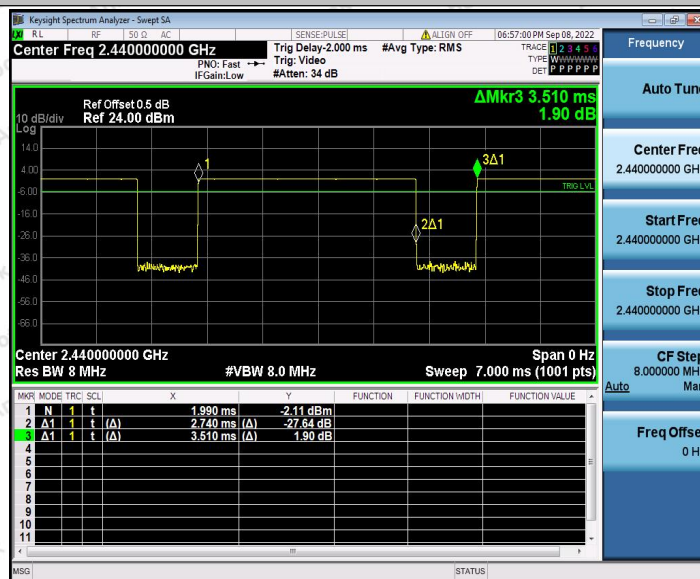


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

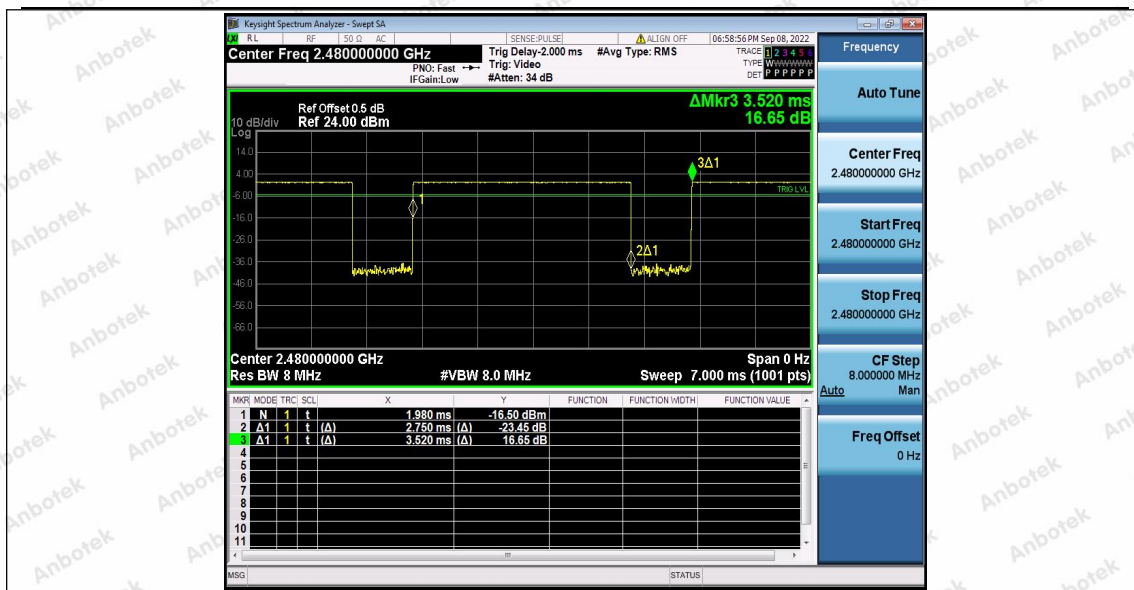
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