

Appendix Test Data

Report No.:	18220WC20246501	Test Sample No.:	1-2-2
Start Test Date:	2022.10.26	Finish Test Date:	2022.10.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
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	0.696	2401.624	2402.320	0.5	PASS
		2440	0.688	2439.636	2440.324	0.5	PASS
		2480	0.668	2479.648	2480.316	0.5	PASS



Test Graphs



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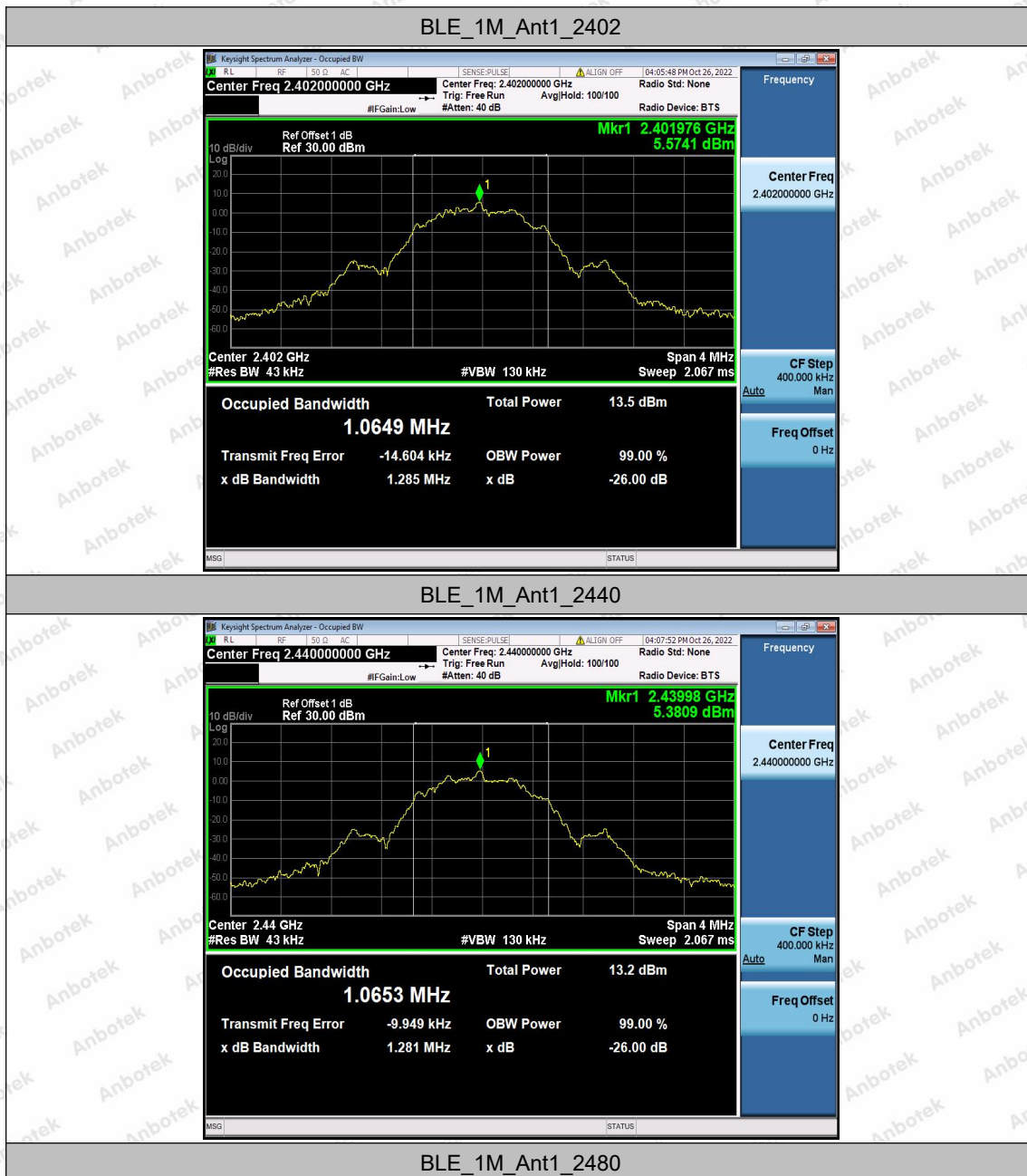
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0649	2401.4530	2402.5179
		2440	1.0653	2439.4574	2440.5227
		2480	1.0605	2479.4626	2480.5231



Test Graphs



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Appendix C: Maximum conducted output power

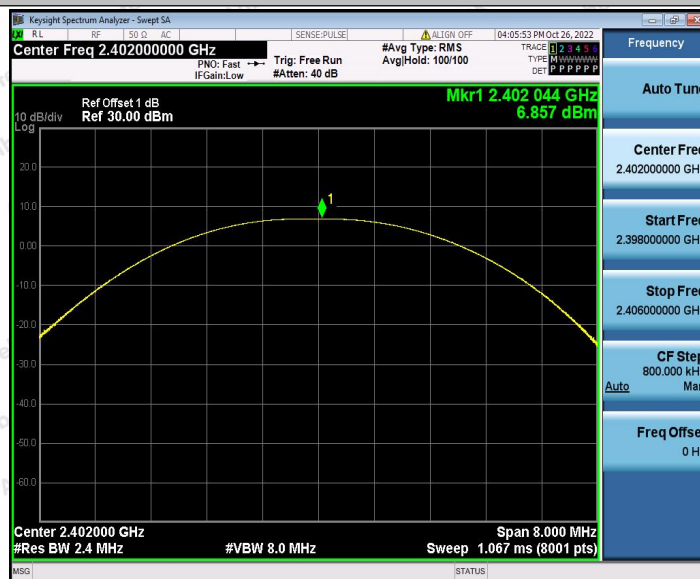
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.86	≤30	PASS
		2440	6.53	≤30	PASS
		2480	6.15	≤30	PASS

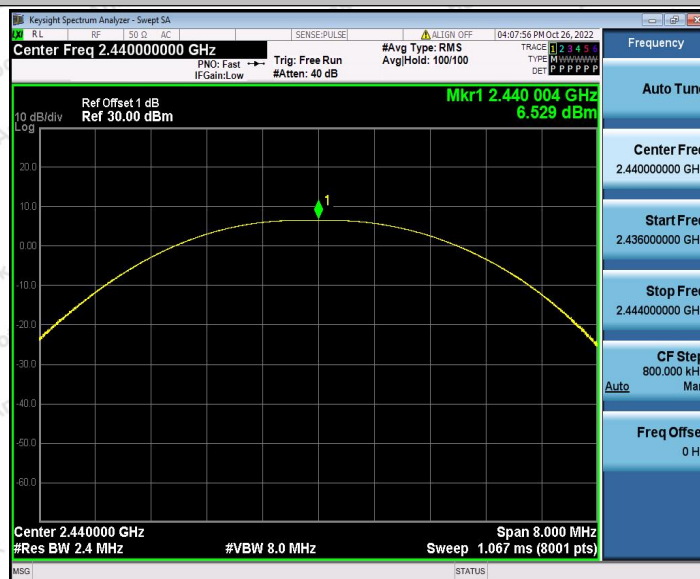


Test Graphs Peak

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

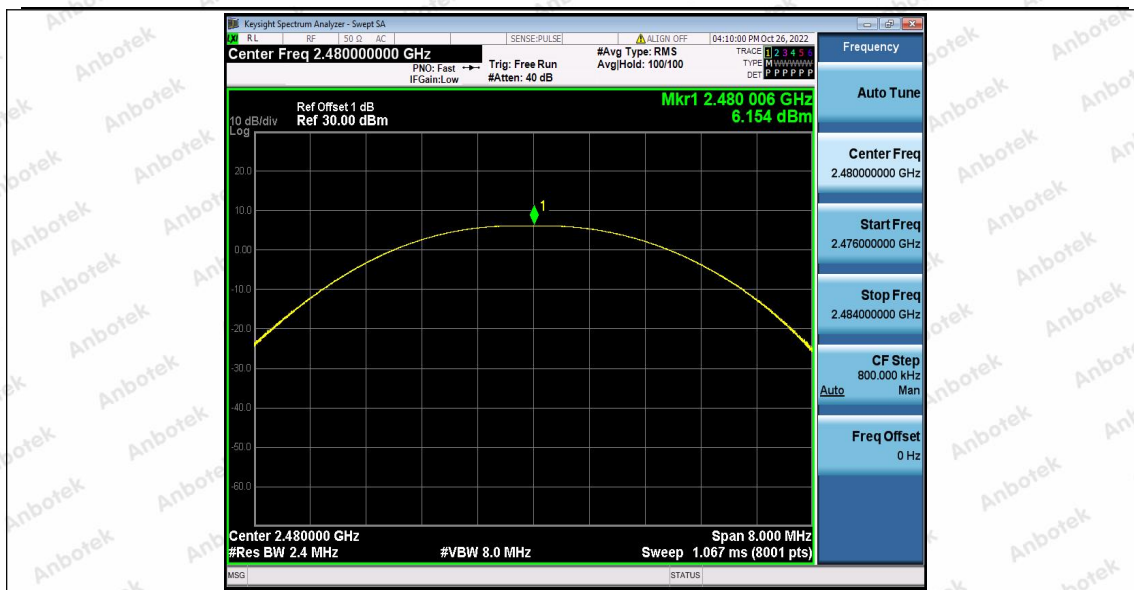
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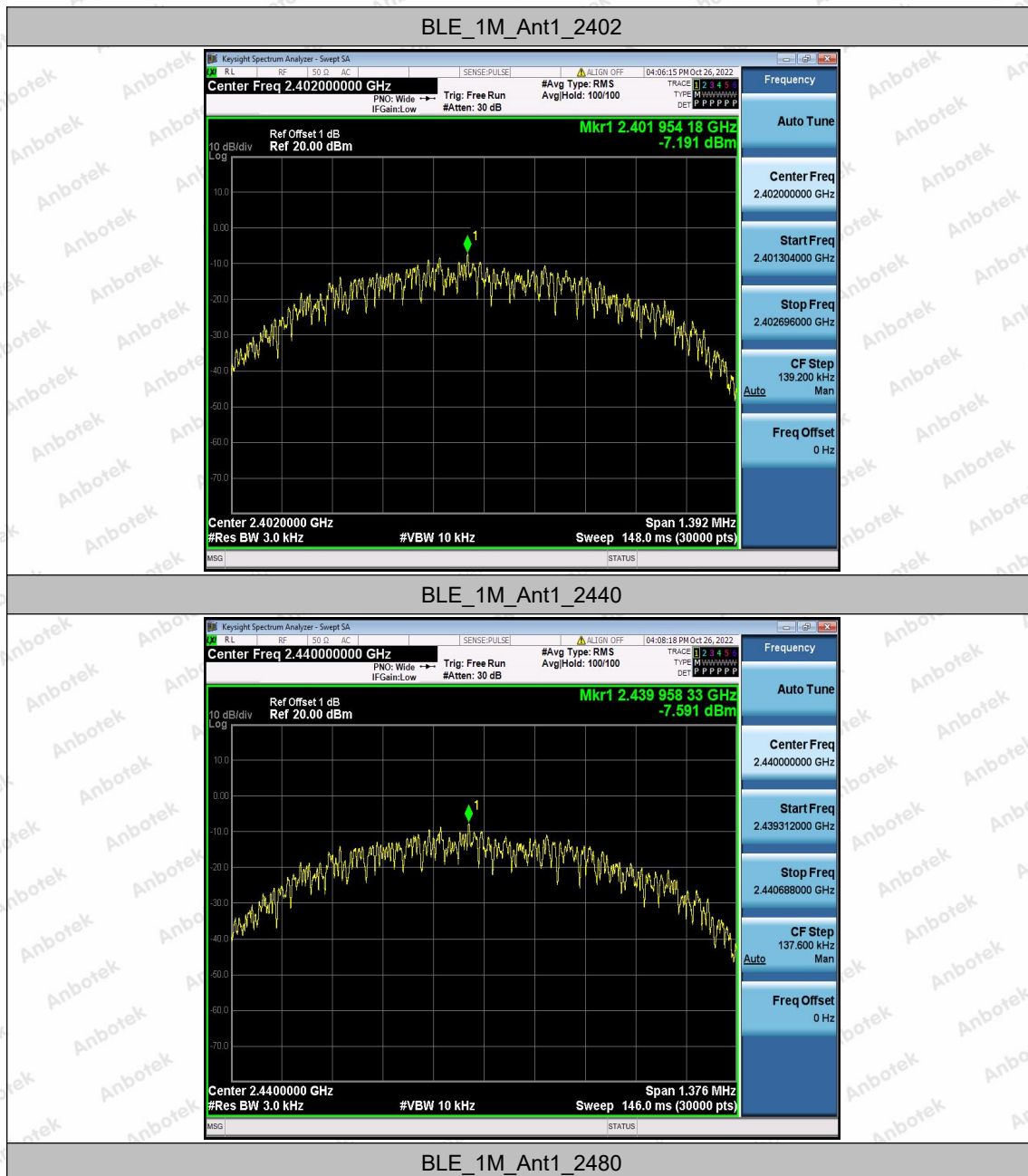
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.19	≤8.00	PASS
		2440	-7.59	≤8.00	PASS
		2480	-7.95	≤8.00	PASS



Test Graphs



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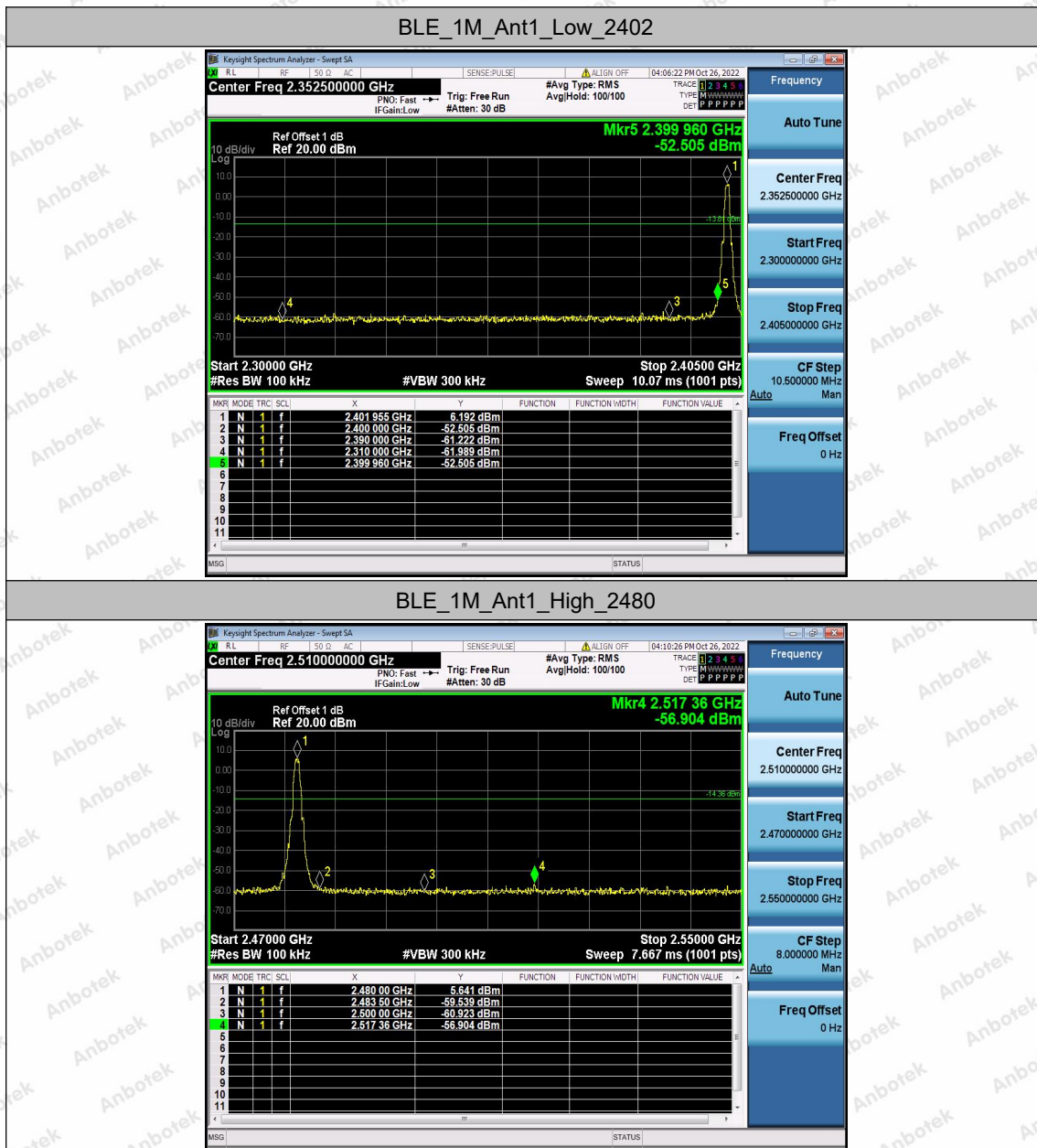
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.19	-52.51	≤-13.81	PASS
		High	2480	5.64	-56.9	≤-14.36	PASS



Test Graphs



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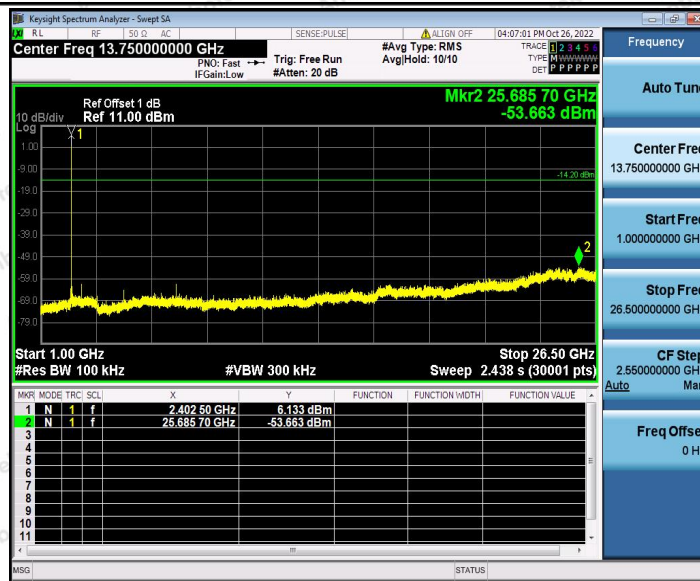
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.80	5.80	---	PASS
			30~1000	5.80	-68.95	≤-14.2	PASS
			1000~26500	5.80	-53.66	≤-14.2	PASS
		2440	Reference	5.24	5.24	---	PASS
			30~1000	5.24	-68.89	≤-14.76	PASS
			1000~26500	5.24	-53.09	≤-14.76	PASS
		2480	Reference	5.13	5.13	---	PASS
			30~1000	5.13	-68.69	≤-14.87	PASS
			1000~26500	5.13	-52.95	≤-14.87	PASS







BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

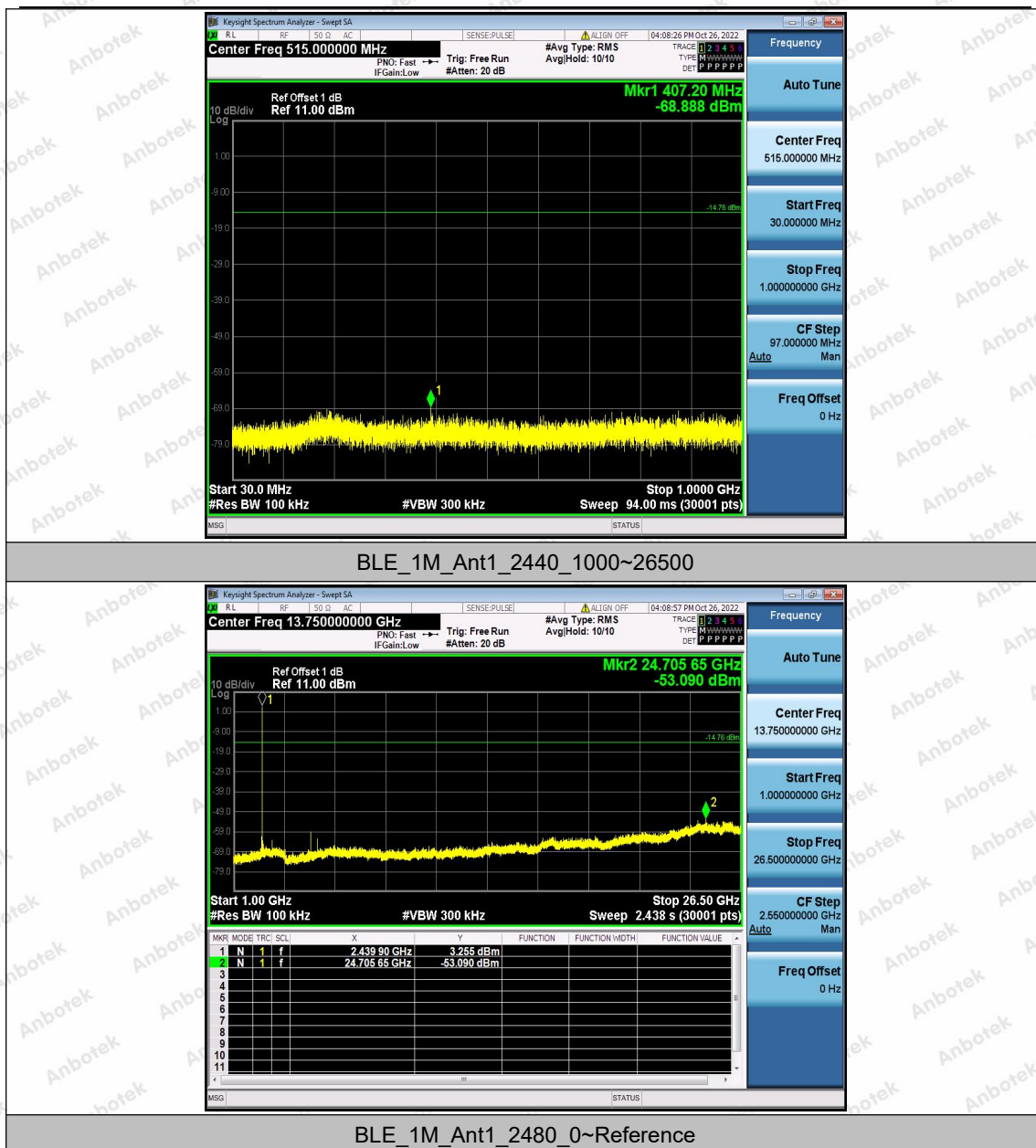
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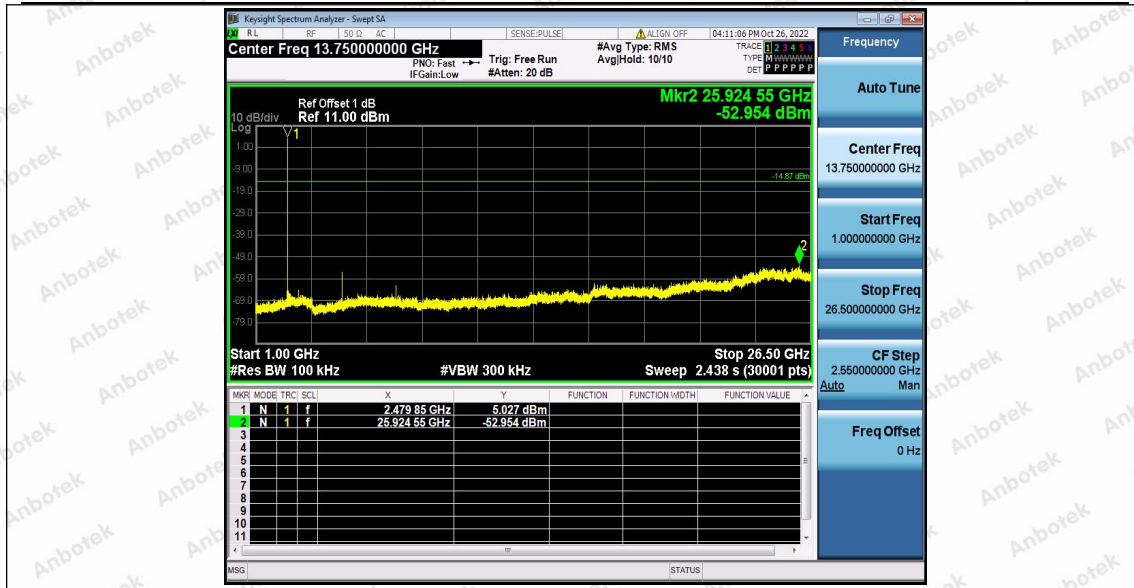
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Appendix G: Duty Cycle

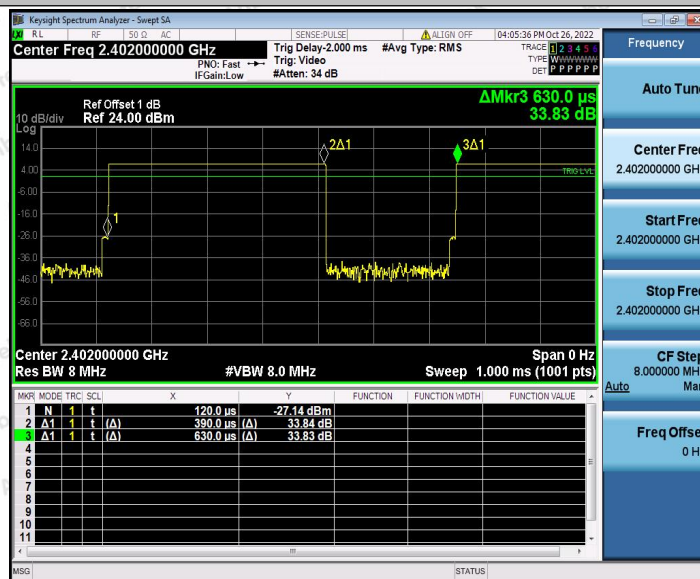
Test Result

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

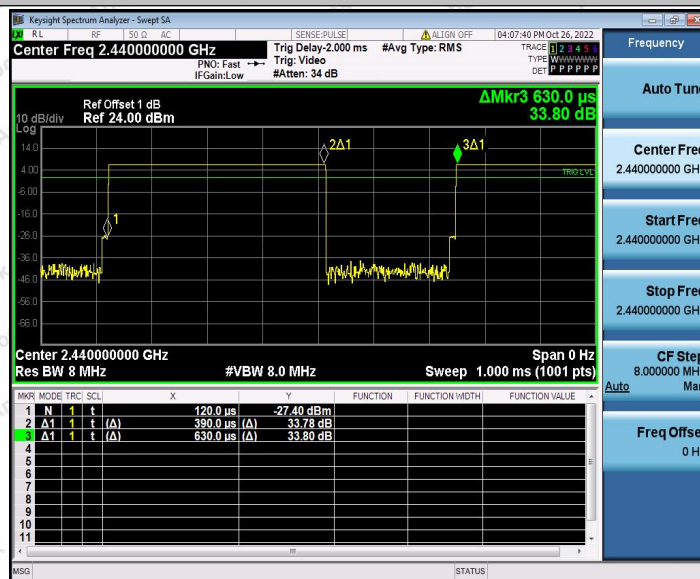


Test Graphs

BLE_1M_Ant1_2402

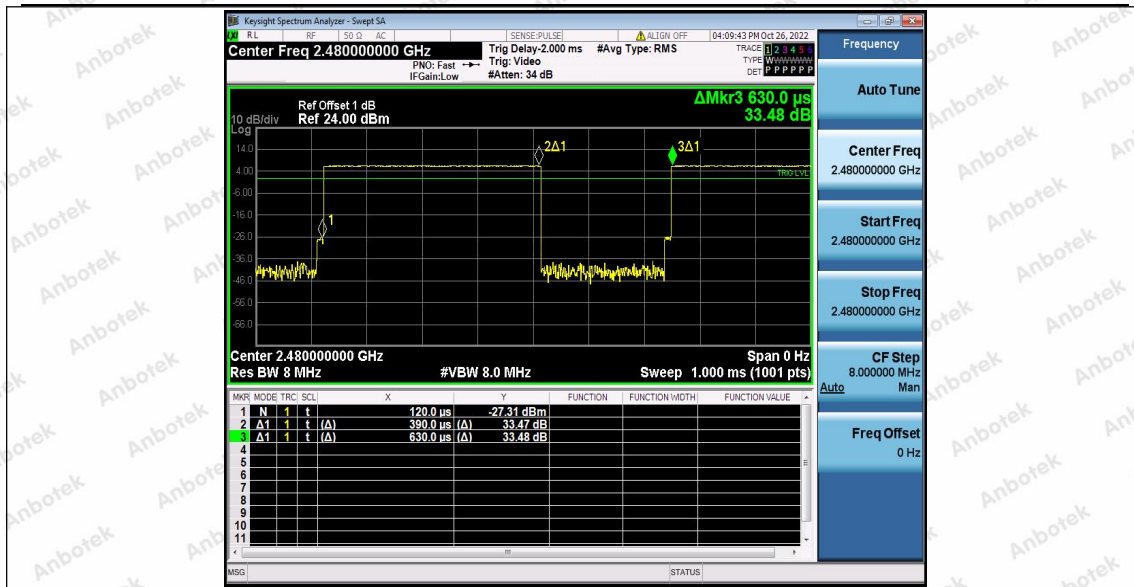


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





---End---

