

Appendix Test Data

Report No.:	18220WC20256101	Test Sample No.:	1-2-2
Start Test Date:	2022.11.25	Finish Test Date:	2022.11.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.628	2401.660	2402.288	0.5	PASS
		2440	0.652	2439.652	2440.304	0.5	PASS
		2480	0.640	2479.660	2480.300	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

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0120	2401.4777	2402.4897
		2440	1.0100	2439.4801	2440.4901
		2480	1.0147	2479.4796	2480.4943



Test Graphs



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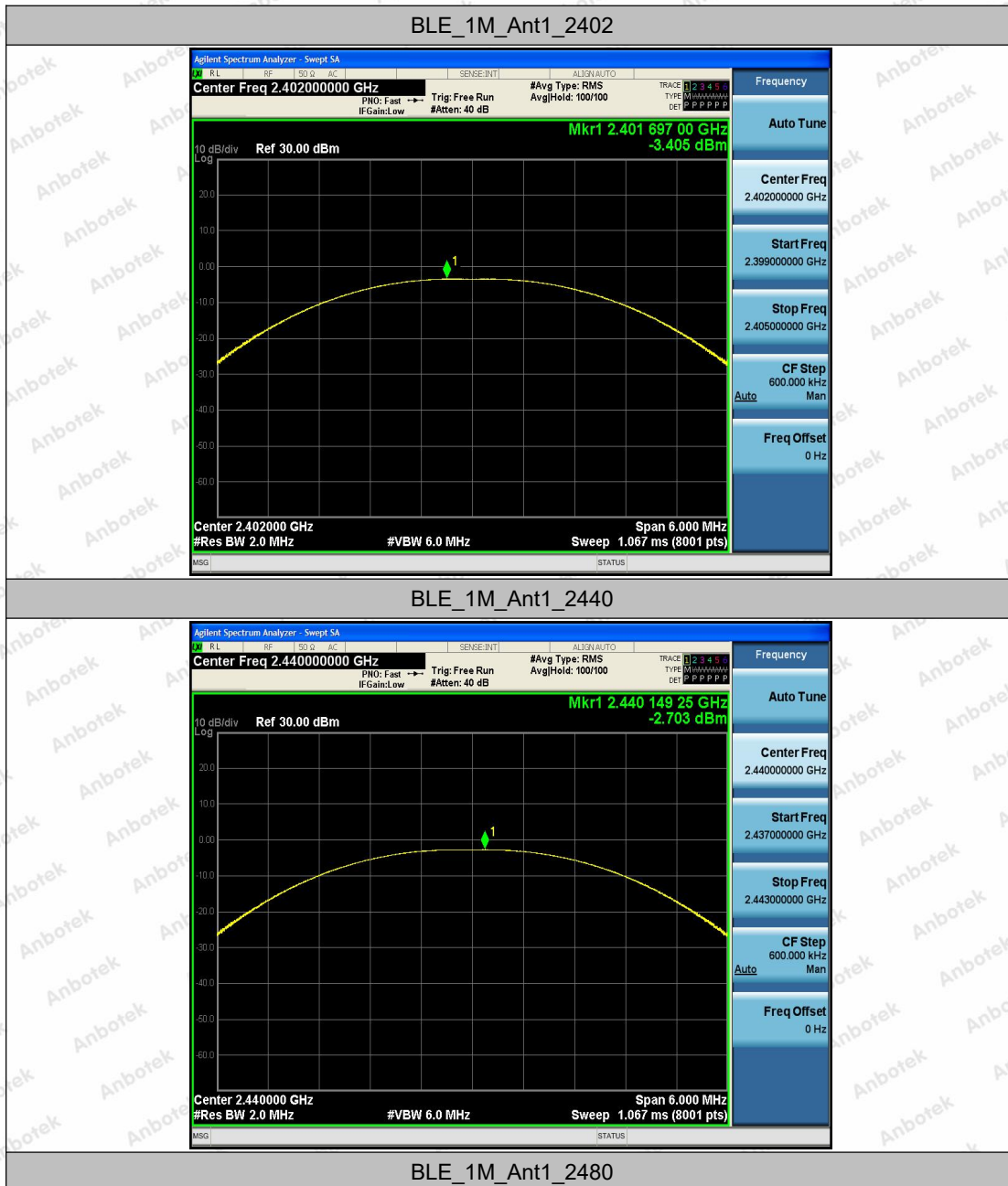
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.405	≤30	PASS
		2440	-2.703	≤30	PASS
		2480	-2.541	≤30	PASS



Test Graphs



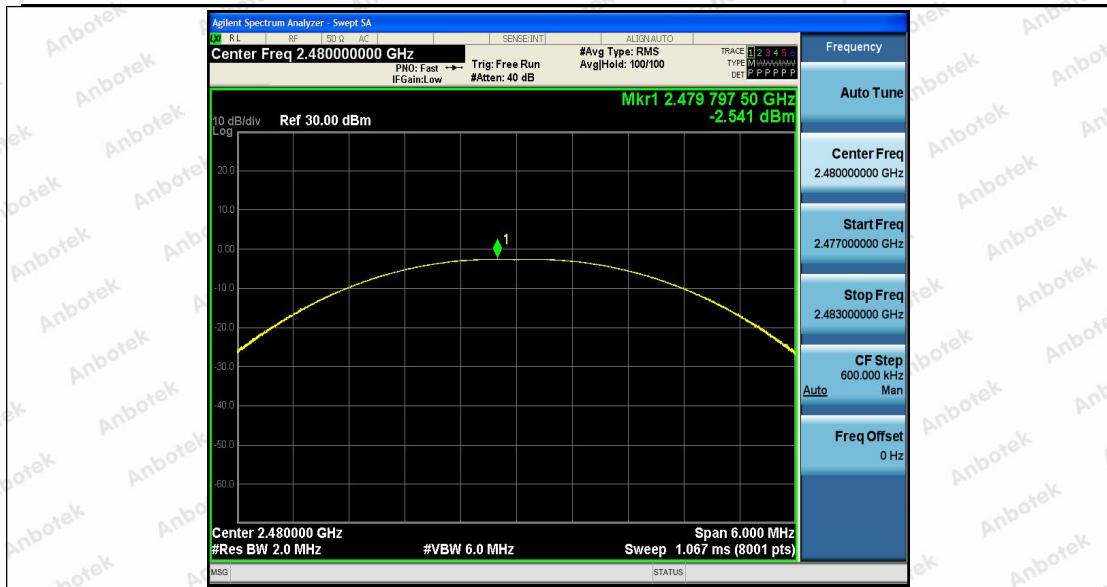
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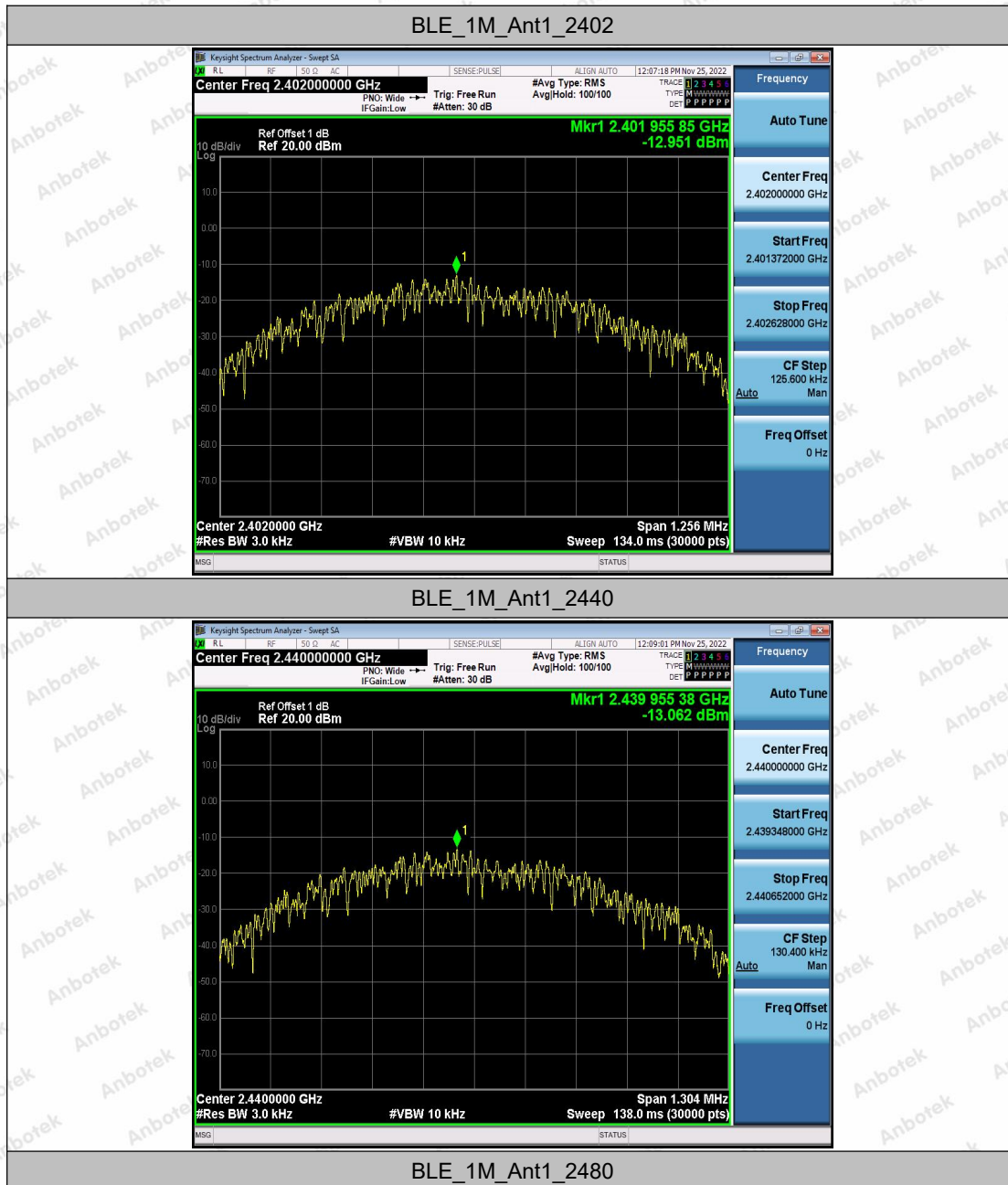
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.95	≤8.00	PASS
		2440	-13.06	≤8.00	PASS
		2480	-13.2	≤8.00	PASS



Test Graphs



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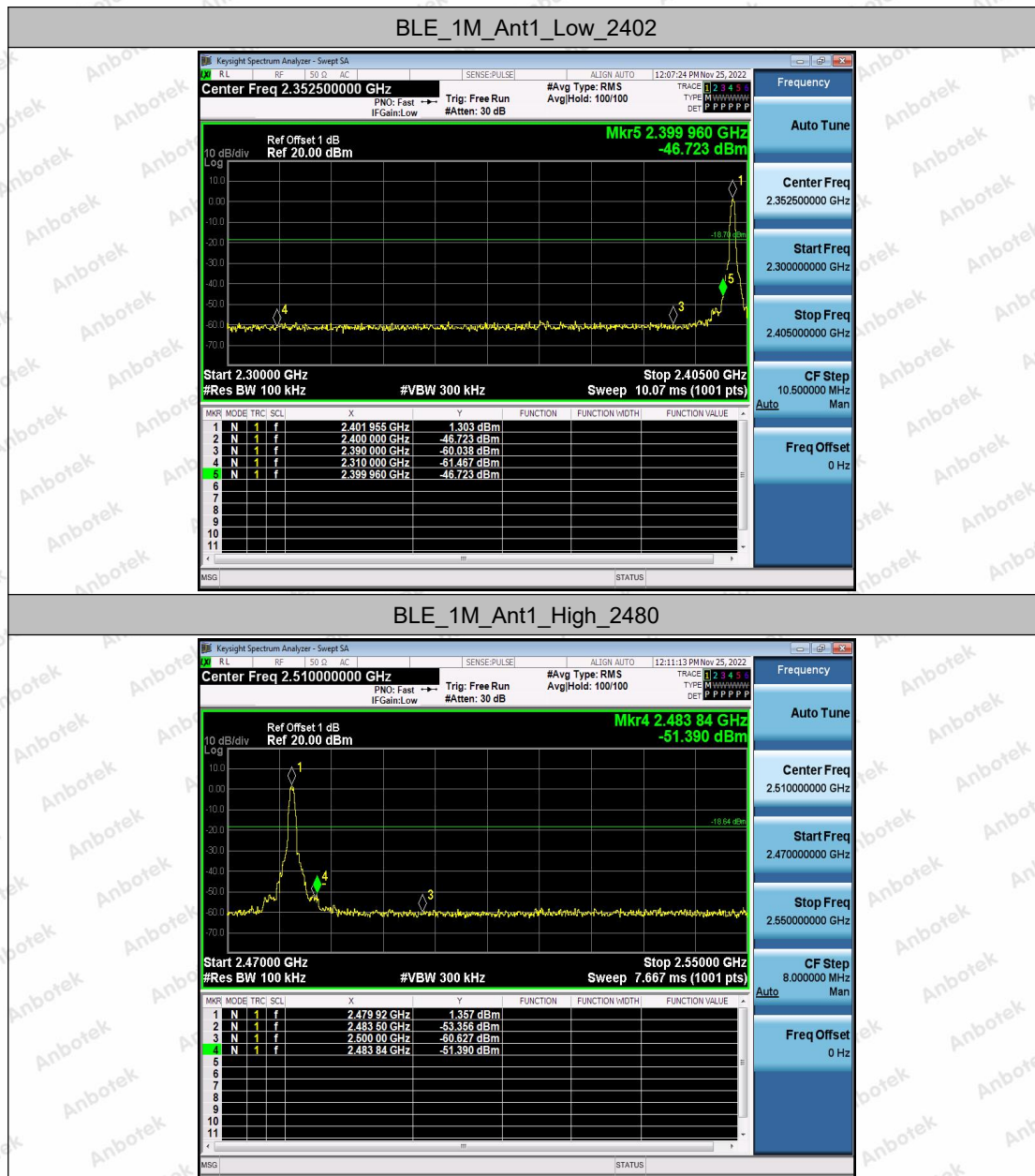
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.30	-46.72	≤-18.7	PASS
		High	2480	1.36	-51.39	≤-18.64	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-65.81	≤-19.39	PASS
			1000~26500	0.61	-36.59	≤-19.39	PASS
		2440	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-66.03	≤-18.85	PASS
			1000~26500	1.15	-36.38	≤-18.85	PASS
		2480	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-63.71	≤-19.02	PASS
			1000~26500	0.98	-34.74	≤-19.02	PASS

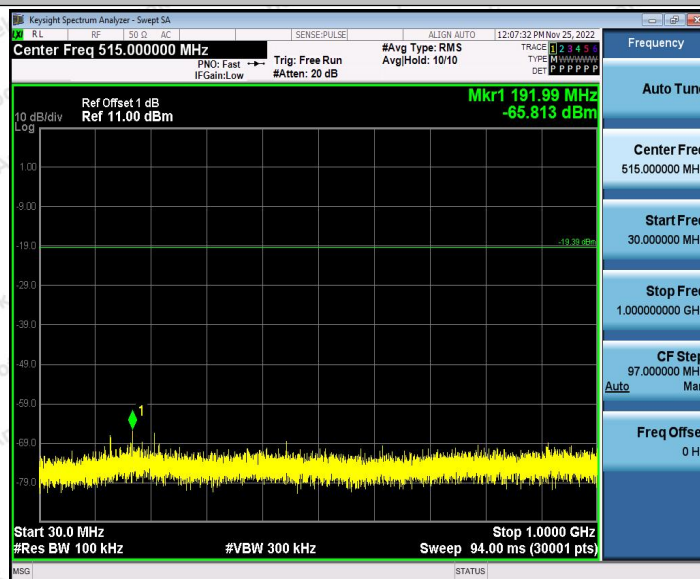


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

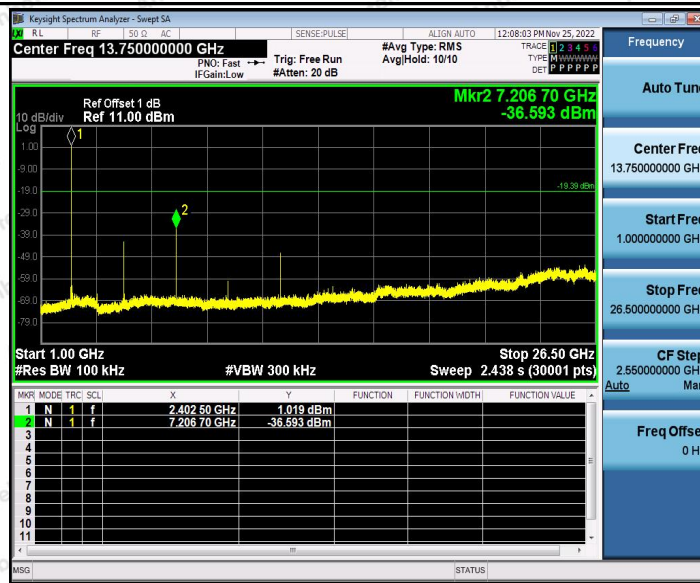
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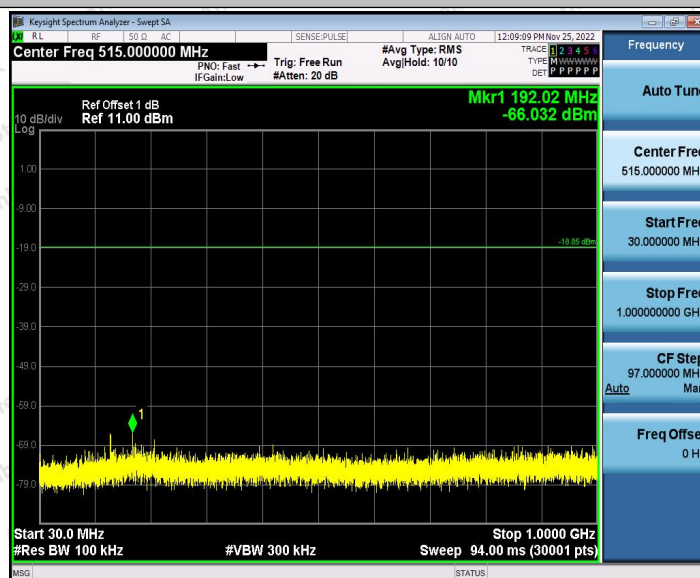




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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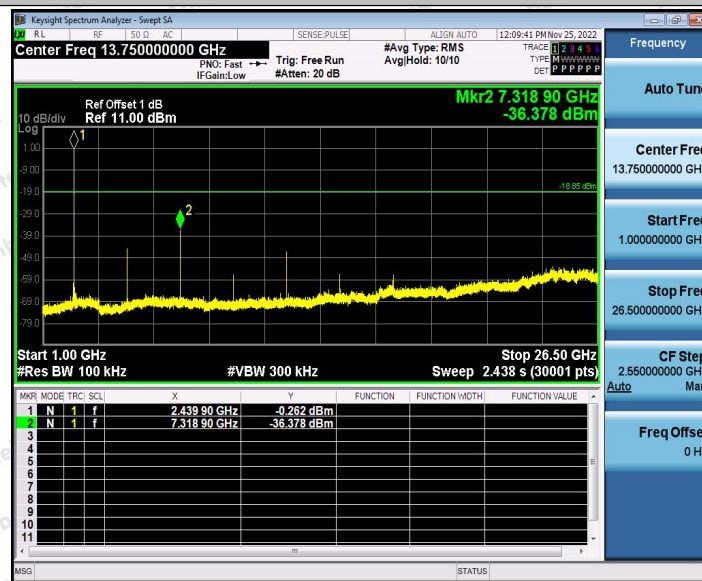
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

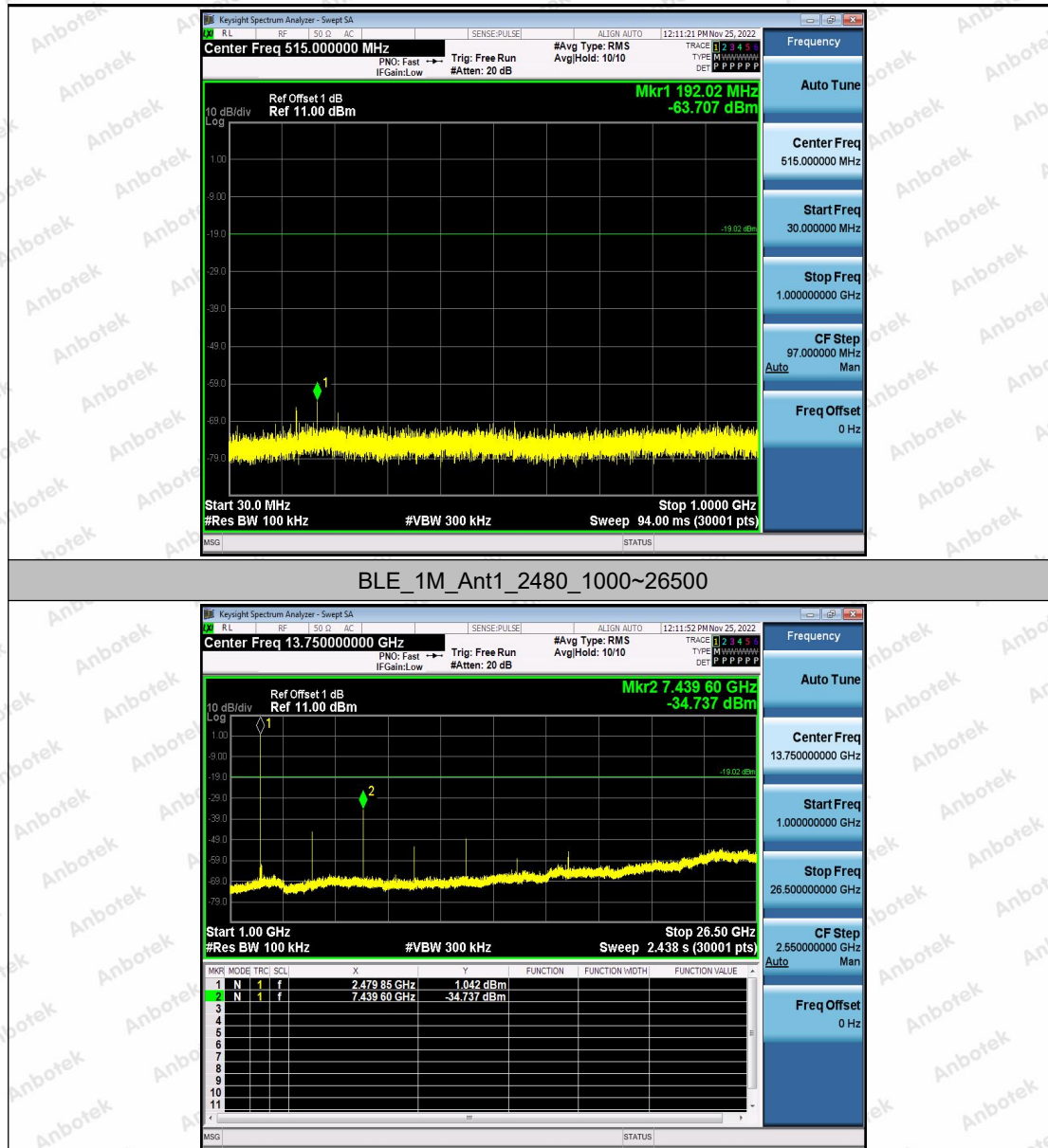
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Appendix G: Duty Cycle

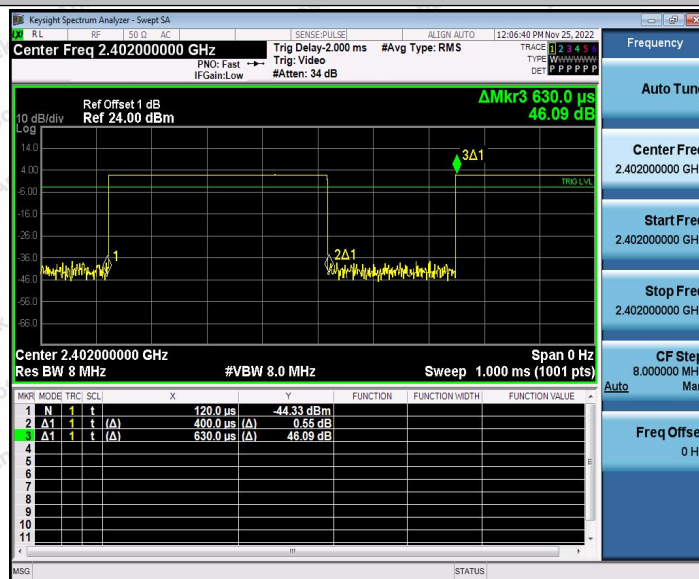
Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor
BLE_1M	Ant1	2402	0.40	0.63	0.6349	63.49	1.97
		2440	0.40	0.63	0.6349	63.49	1.97
		2480	0.40	0.63	0.6349	63.49	1.97

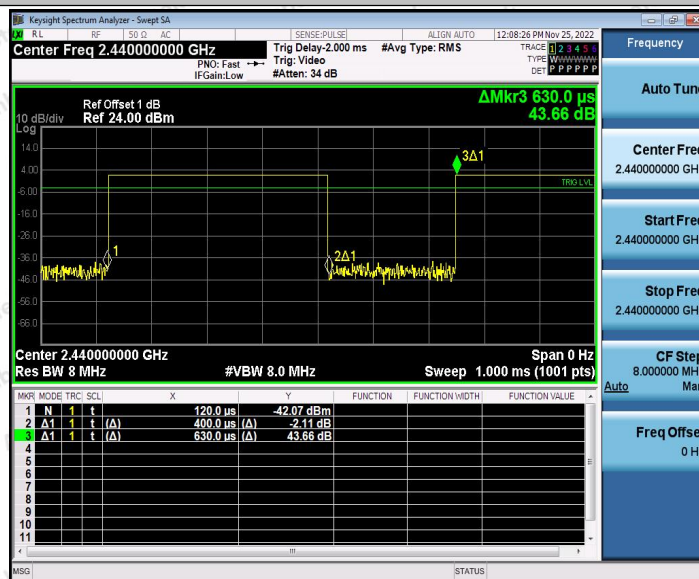


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

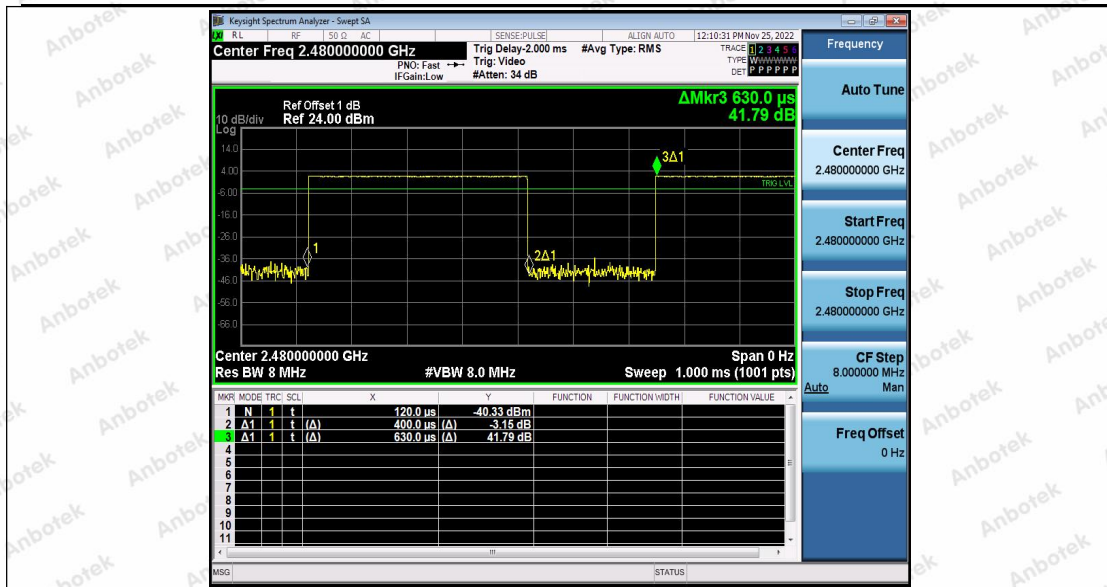
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