

Appendix Test Data

Project No.:	18220WC10155101	Test Date:	2021.7.19
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.656	2402.344	>=0.5	PASS
		2440	0.684	2439.640	2440.324	>=0.5	PASS
		2480	0.700	2479.636	2480.336	>=0.5	PASS

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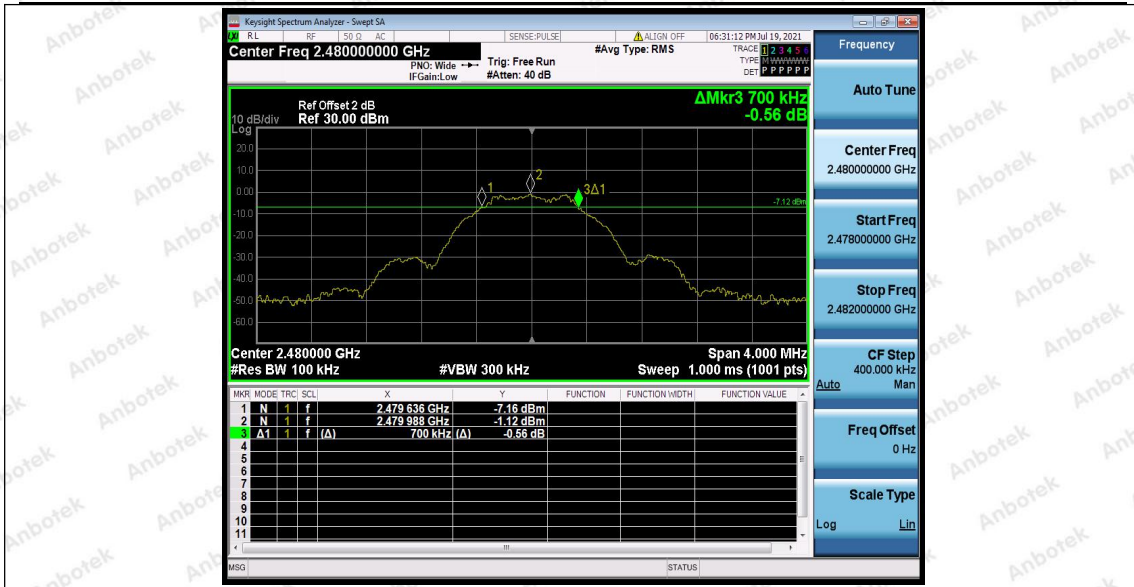
Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0287	2401.491	2402.520	---	PASS
		2440	1.0300	2439.491	2440.521	---	PASS
		2480	1.0297	2479.491	2480.521	---	PASS

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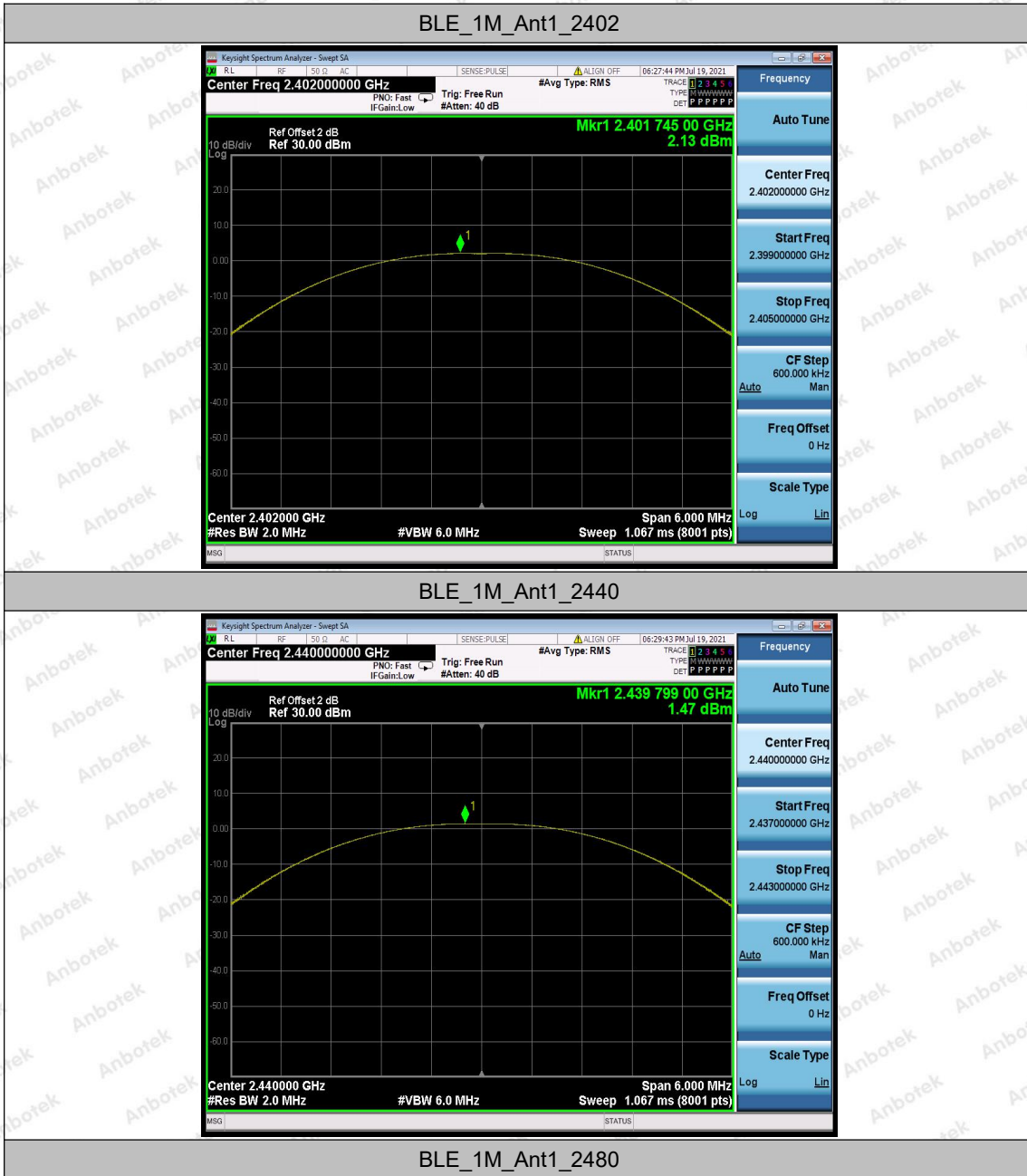
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.13	<=30	PASS
		2440	1.47	<=30	PASS
		2480	0.45	<=30	PASS

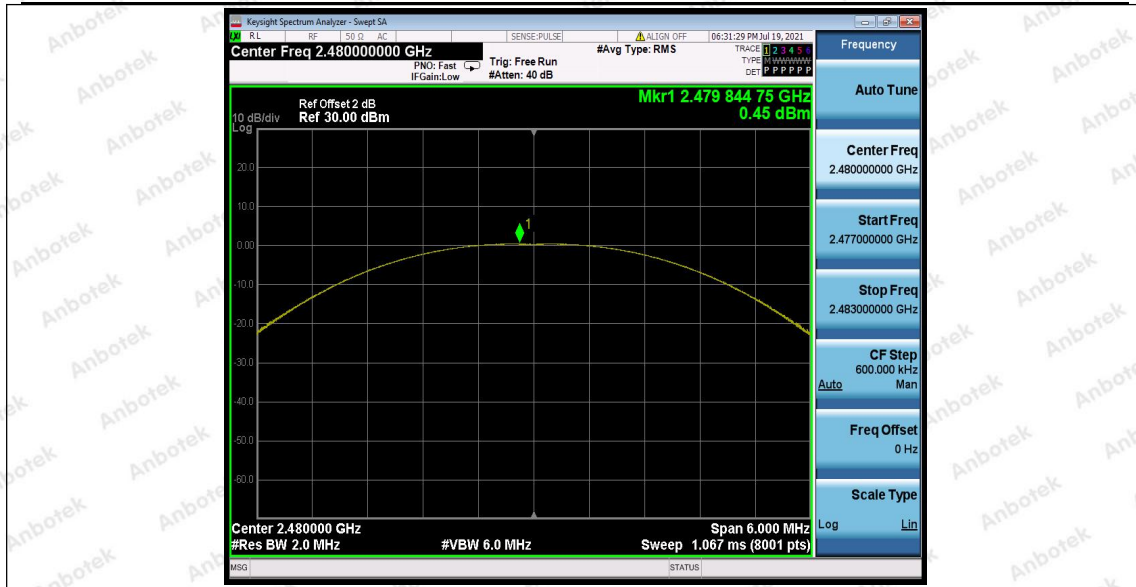
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3 kHz]	Verdic t
BLE_1M	Ant1	2402	-7.8	-13.02	<=8	PASS
		2440	-8.48	-13.70	<=8	PASS
		2480	-9.56	-14.78	<=8	PASS

Note: *Result [dBm/3kHz]= Result[dBm/10kHz]-10*Log(10/3)

Test Graphs



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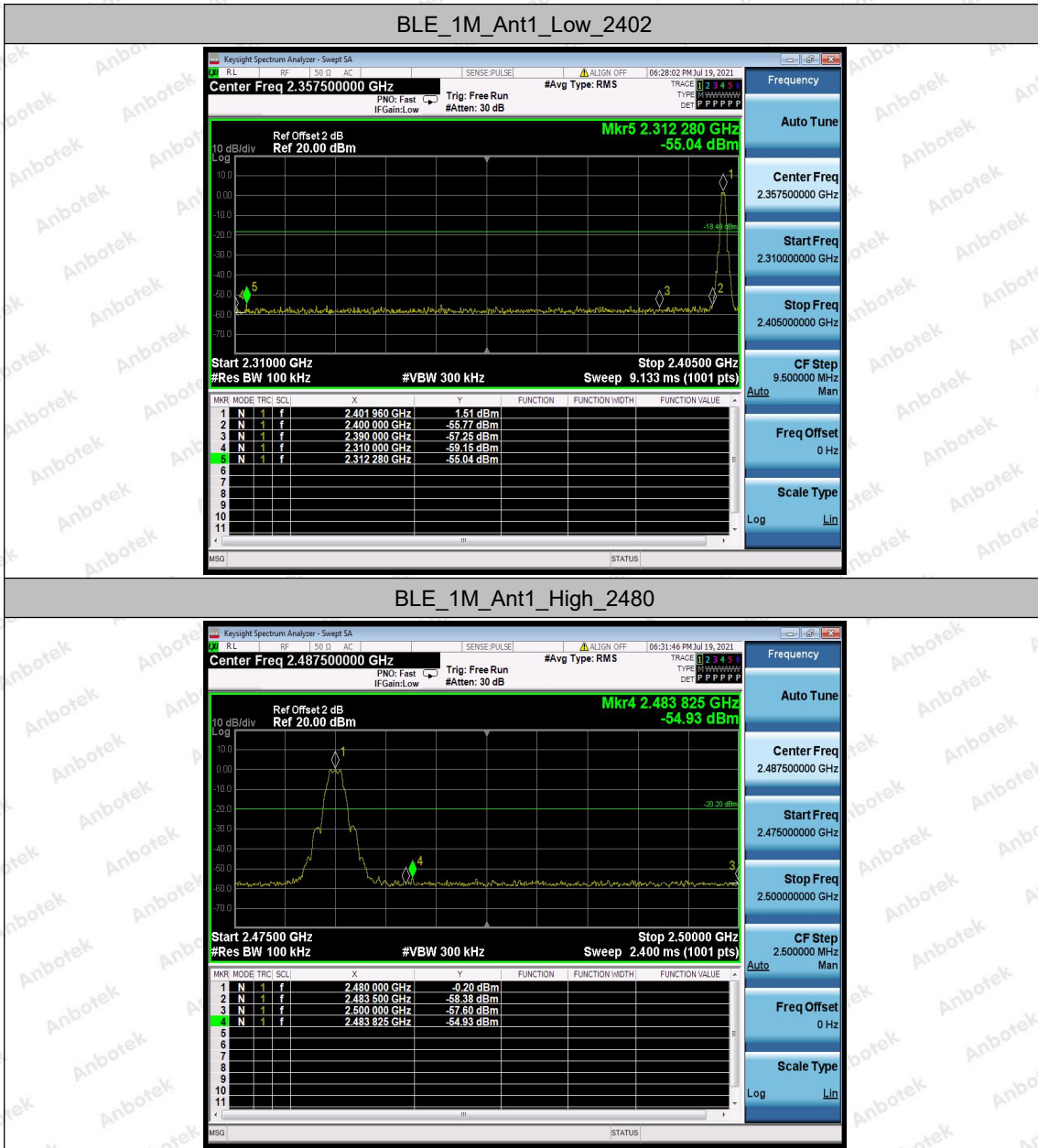
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.51	-55.04	<=-18.49	PASS
		High	2480	-0.20	-54.93	<=-20.2	PASS

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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	1.22	1.22	---	PASS
			30~1000	1.22	-67.78	<=-18.78	PASS
			1000~26500	1.22	-47.37	<=-18.78	PASS
		2440	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-68.68	<=-19.41	PASS
			1000~26500	0.59	-44.89	<=-19.41	PASS
		2480	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-68.79	<=-20.47	PASS
			1000~26500	-0.47	-48.23	<=-20.47	PASS

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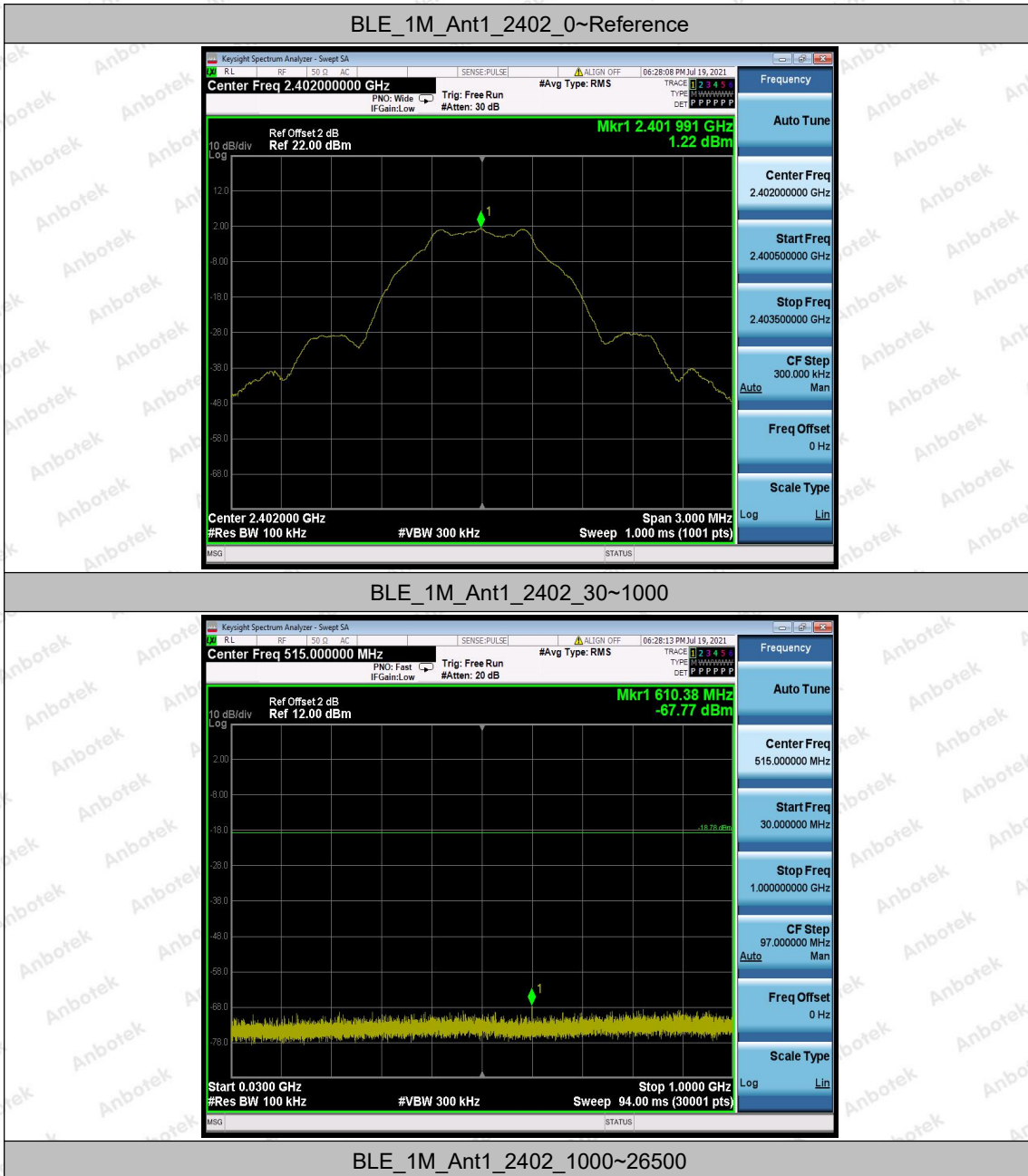


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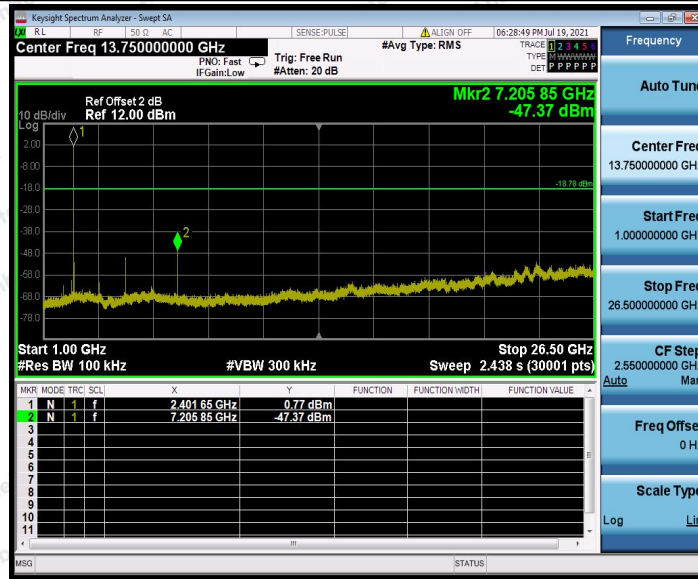
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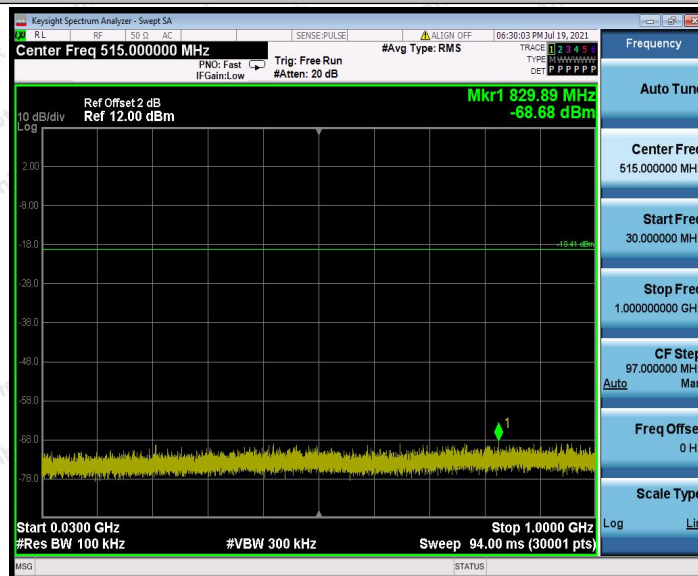
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

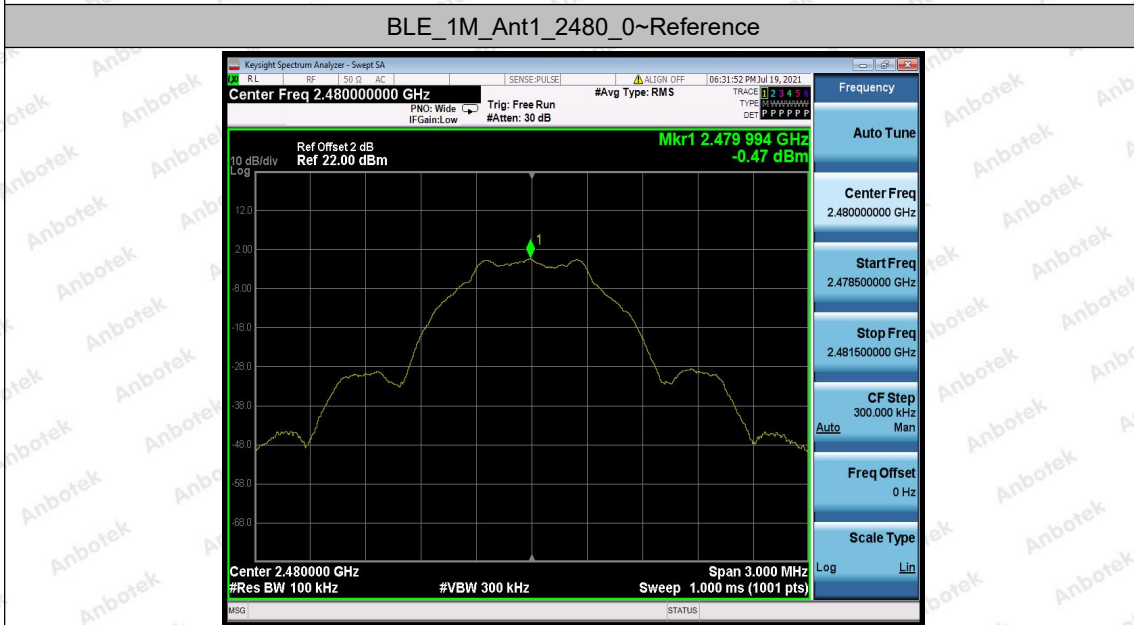
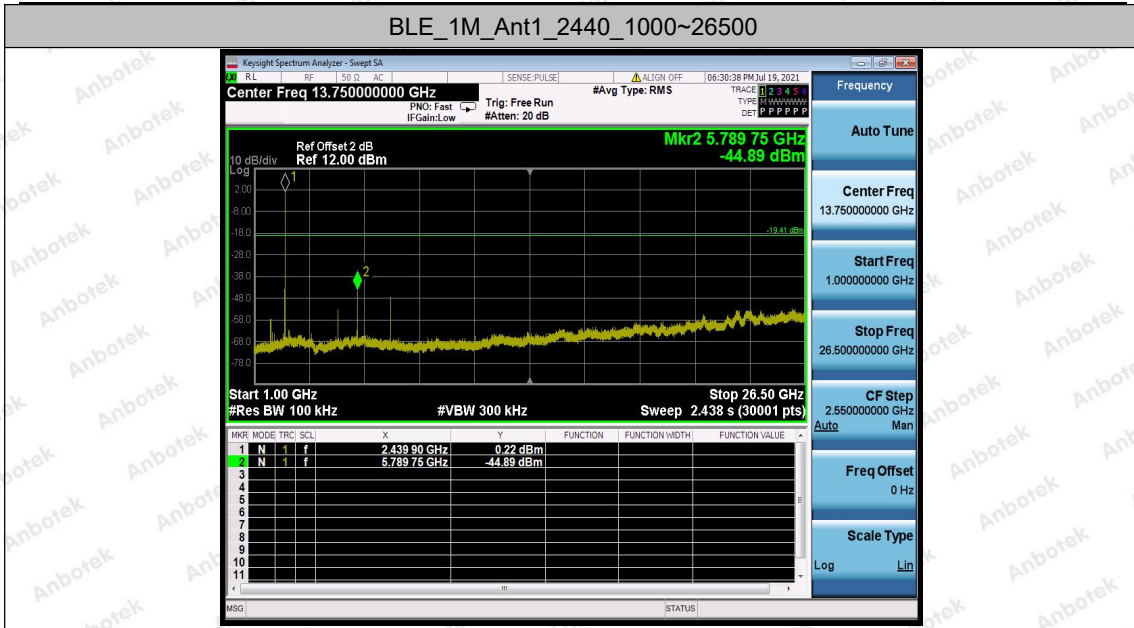


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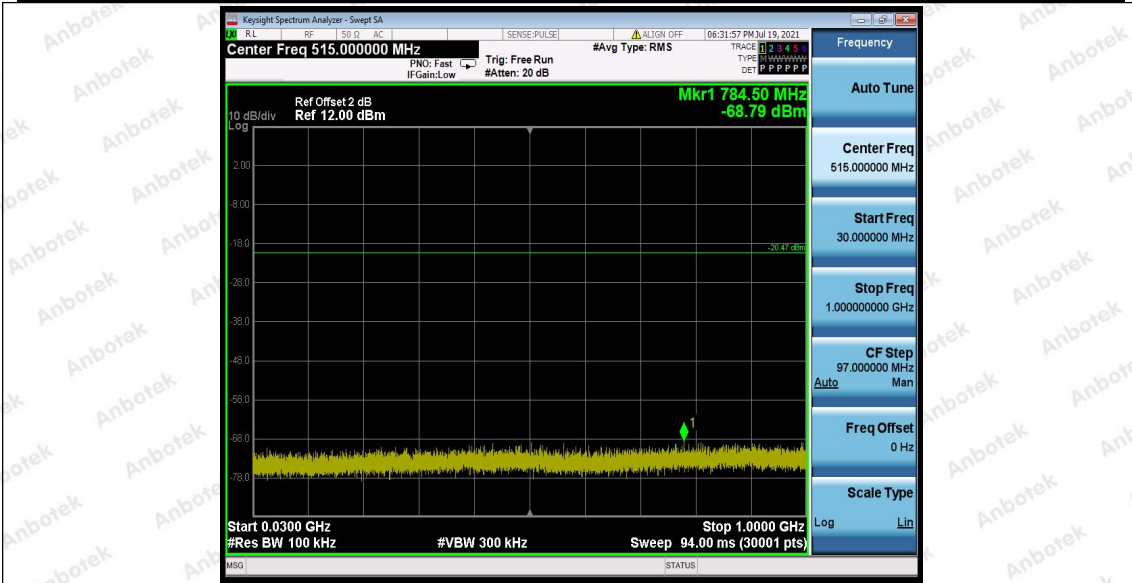
BLE_1M_Ant1_2480_30~1000

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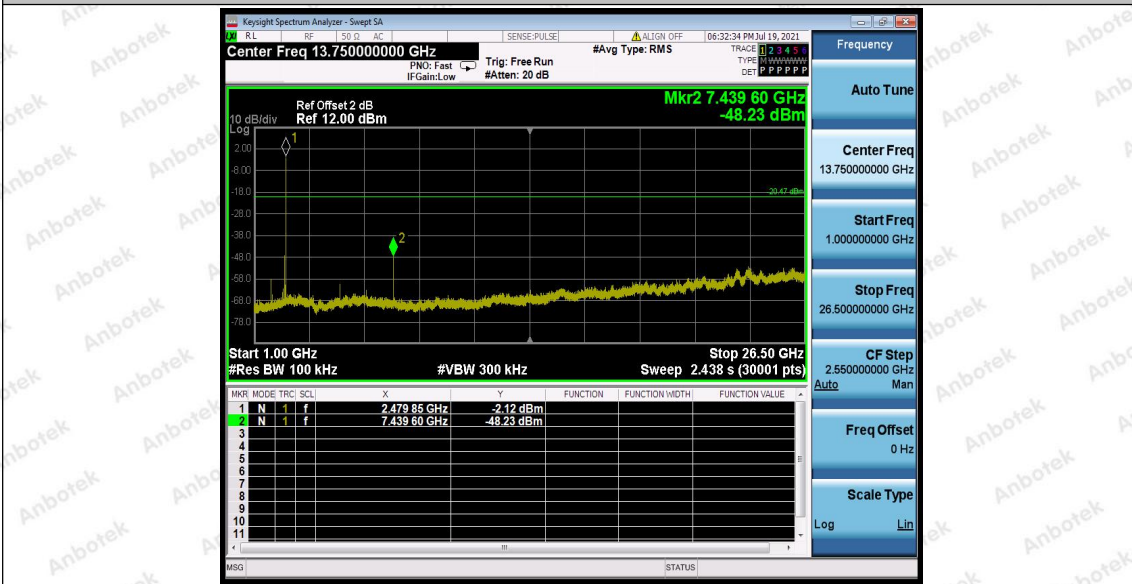
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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

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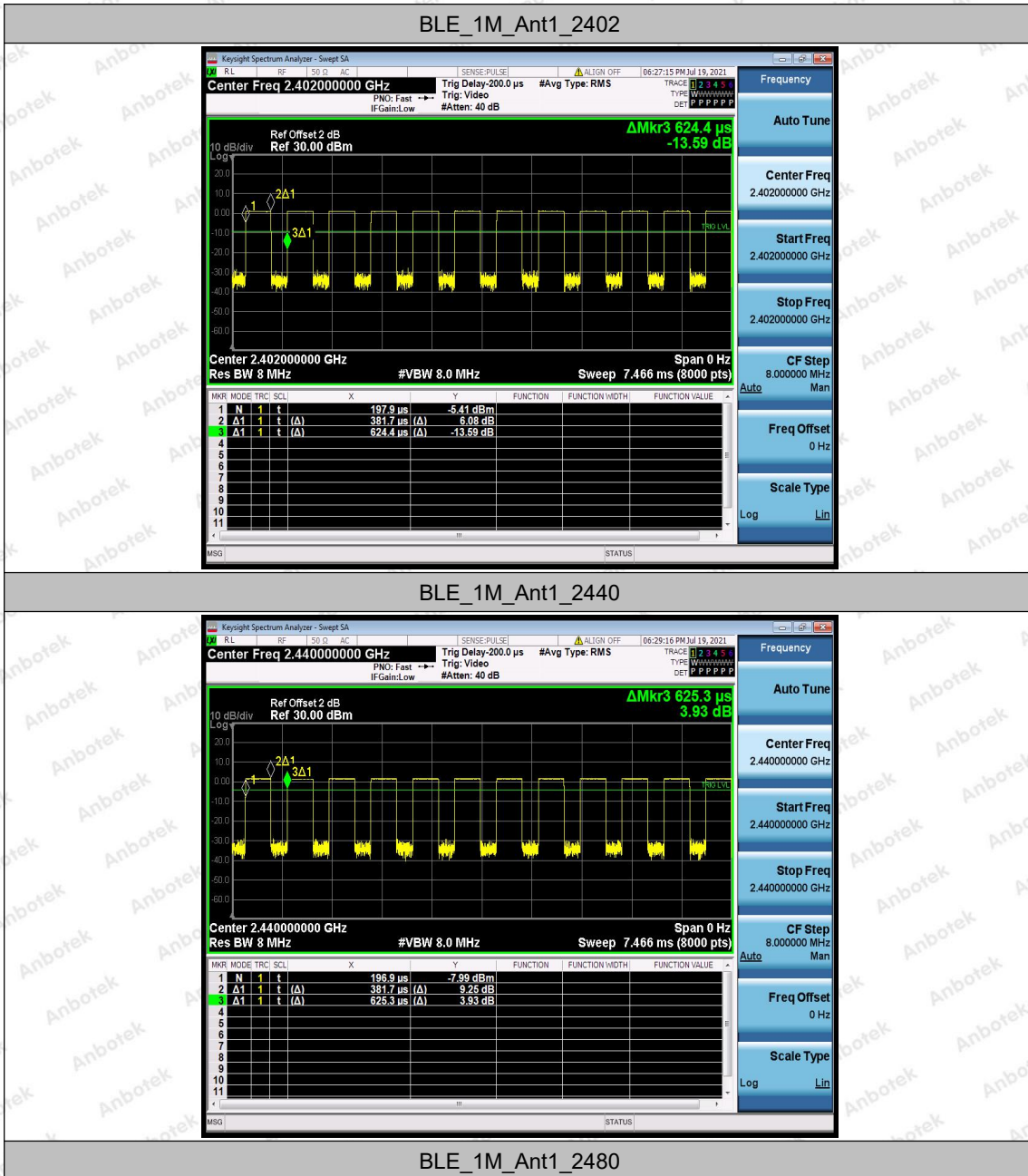
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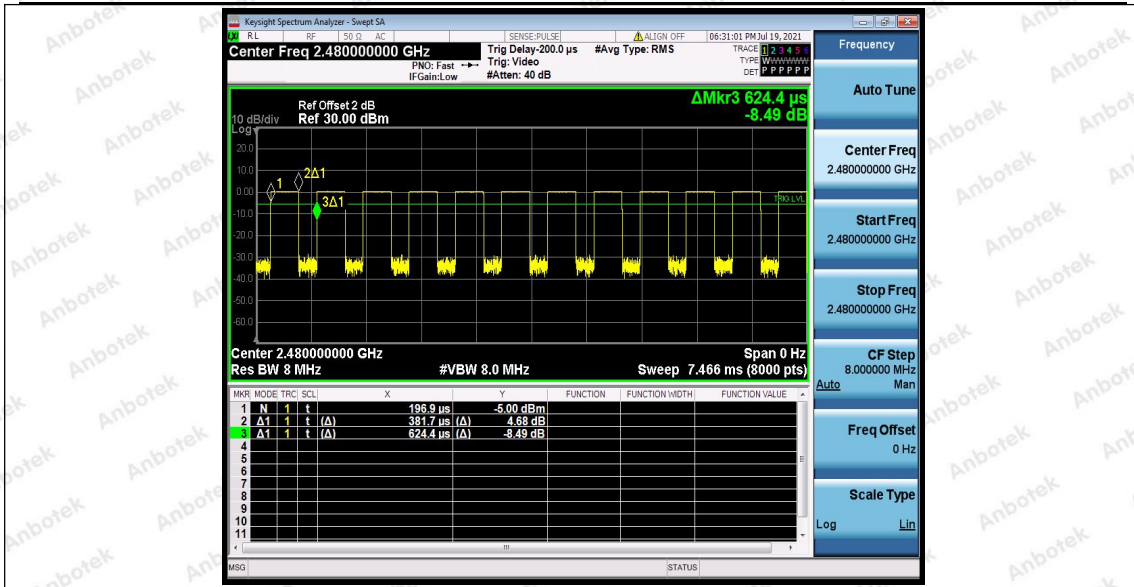
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