

Appendix Test Data

Report No.:	18220WC20153501	Test Sample No.:	1-2-2
Start Test Date:	2022.7.13	Finish Test Date:	2022.7.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

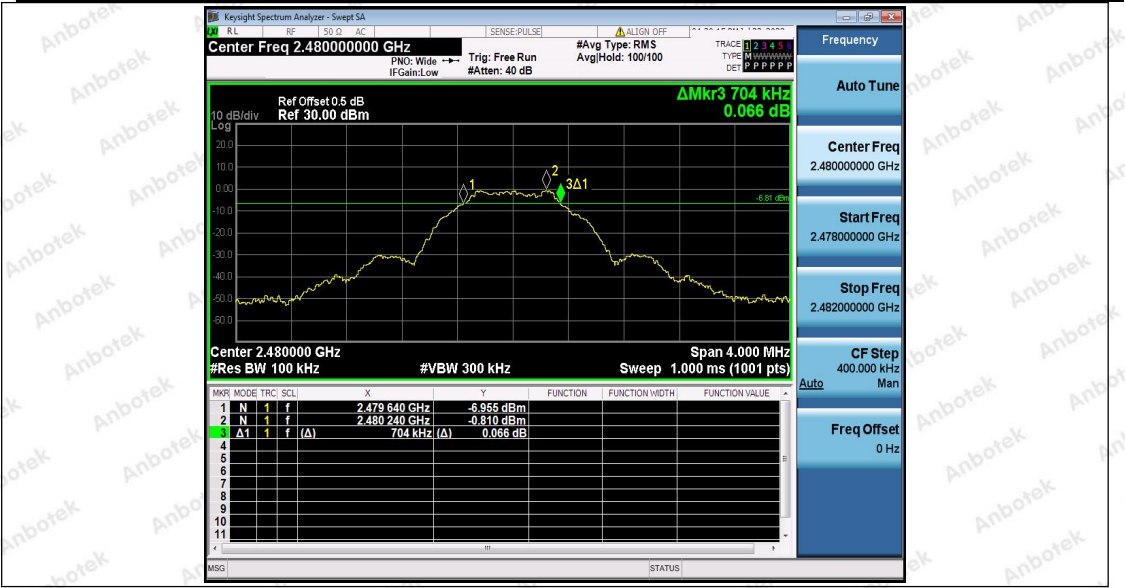
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.640	2402.348	≥0.5	PASS
		2440	0.708	2439.644	2440.352	≥0.5	PASS
		2480	0.704	2479.640	2480.344	≥0.5	PASS

Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0300	2401.495	2402.525	---	PASS
		2440	1.0268	2439.495	2440.522	---	PASS
		2480	1.0305	2479.494	2480.525	---	PASS

Test Graphs





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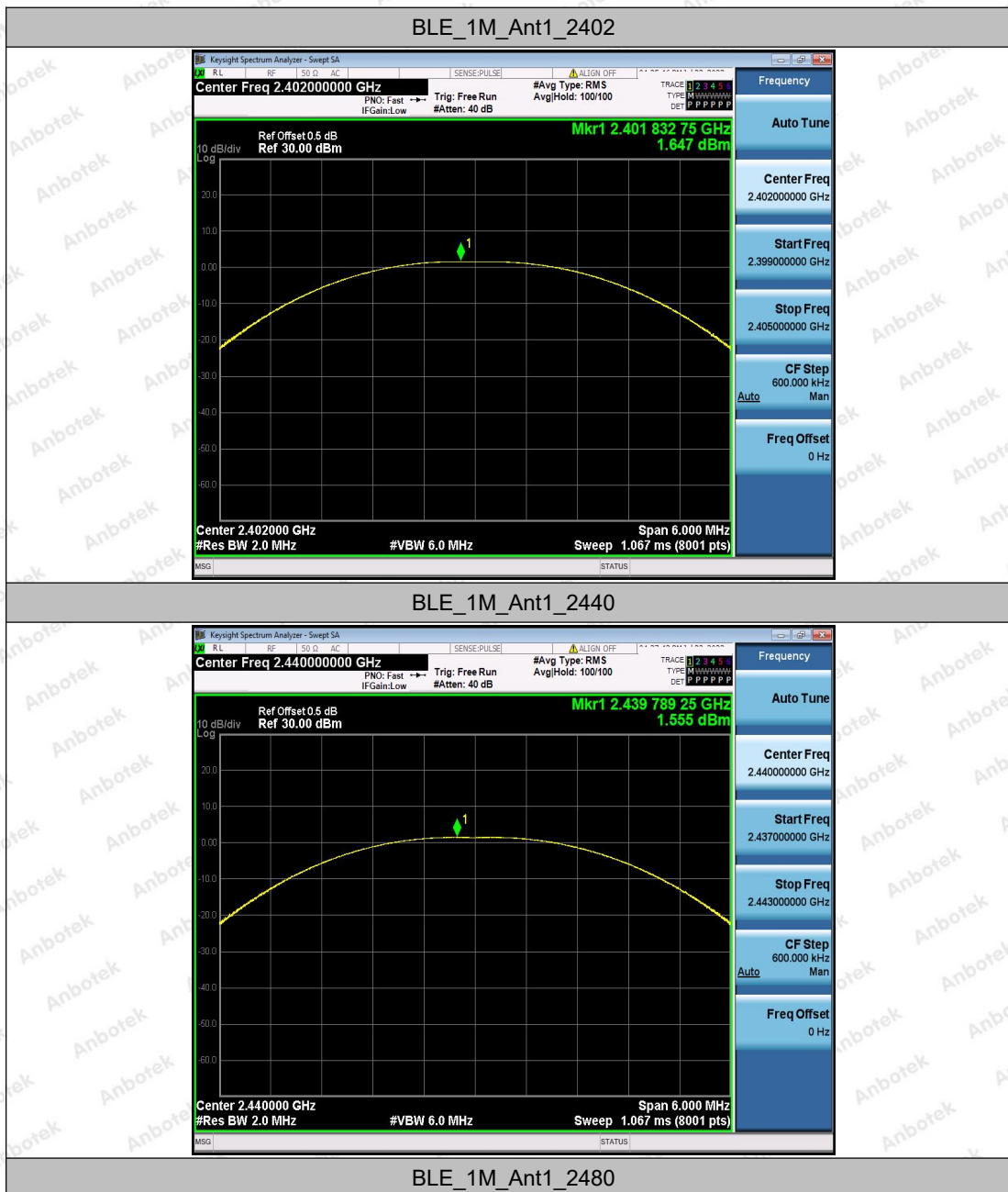
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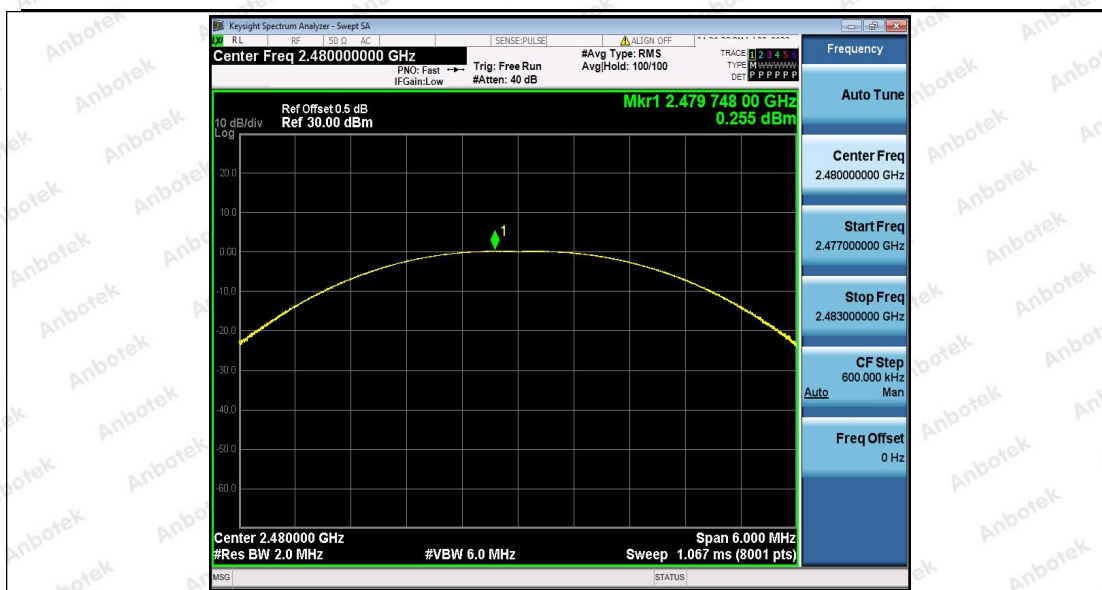
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.65	≤30	PASS
		2440	1.56	≤30	PASS
		2480	0.26	≤30	PASS

Test Graphs





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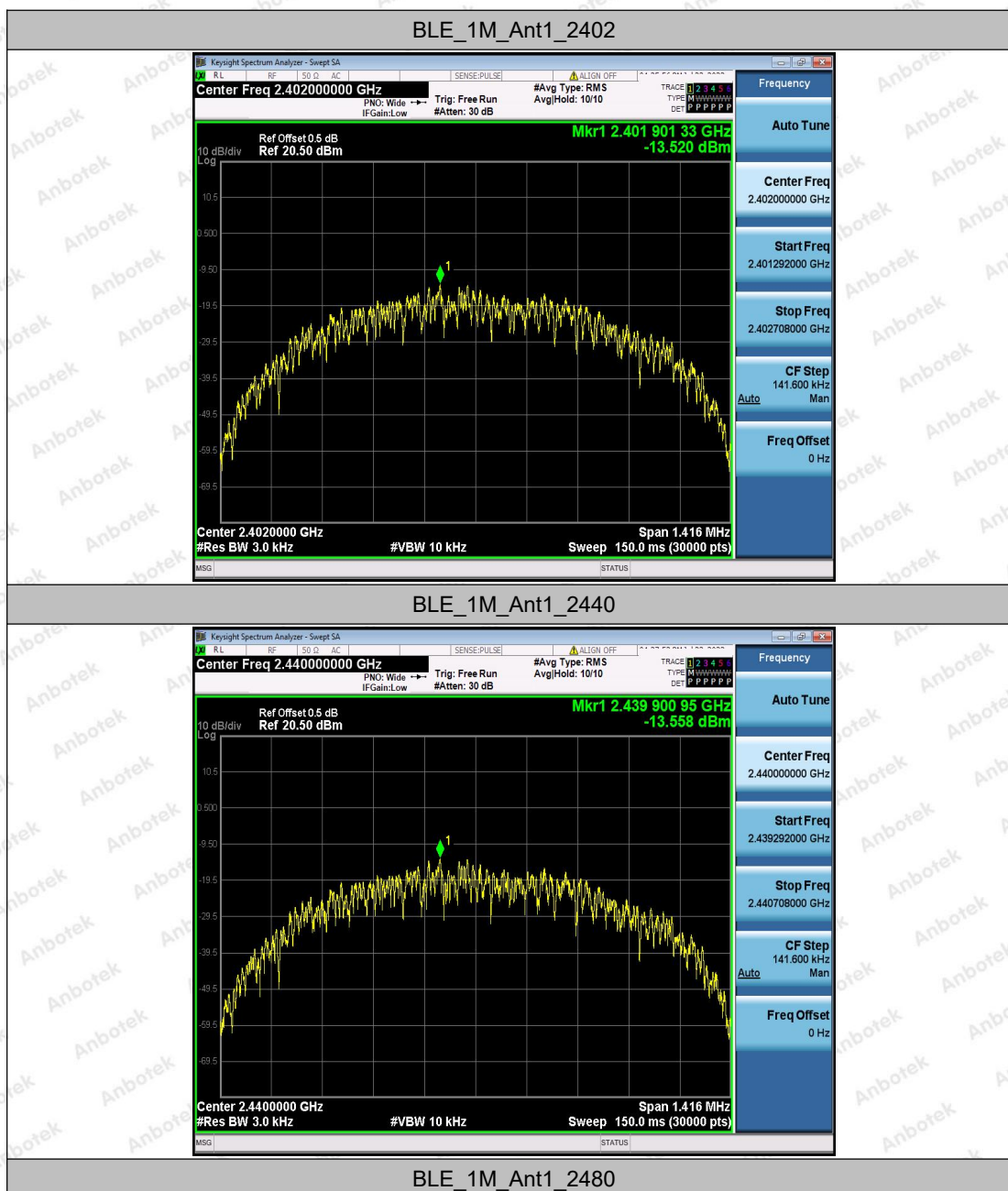
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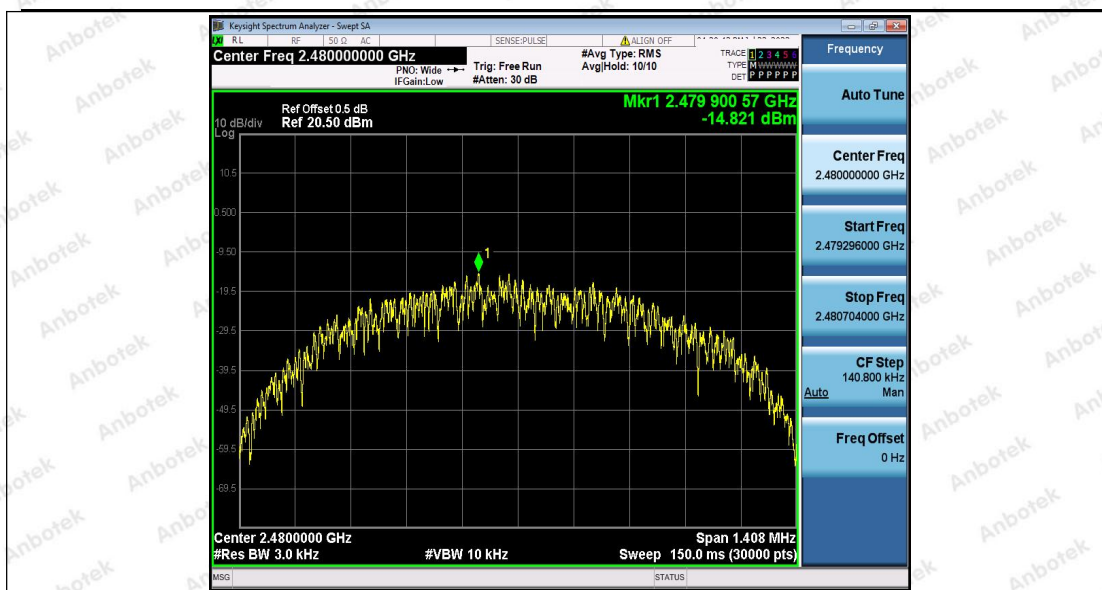
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.52	≤8	PASS
		2440	-13.56	≤8	PASS
		2480	-14.82	≤8	PASS

Test Graphs





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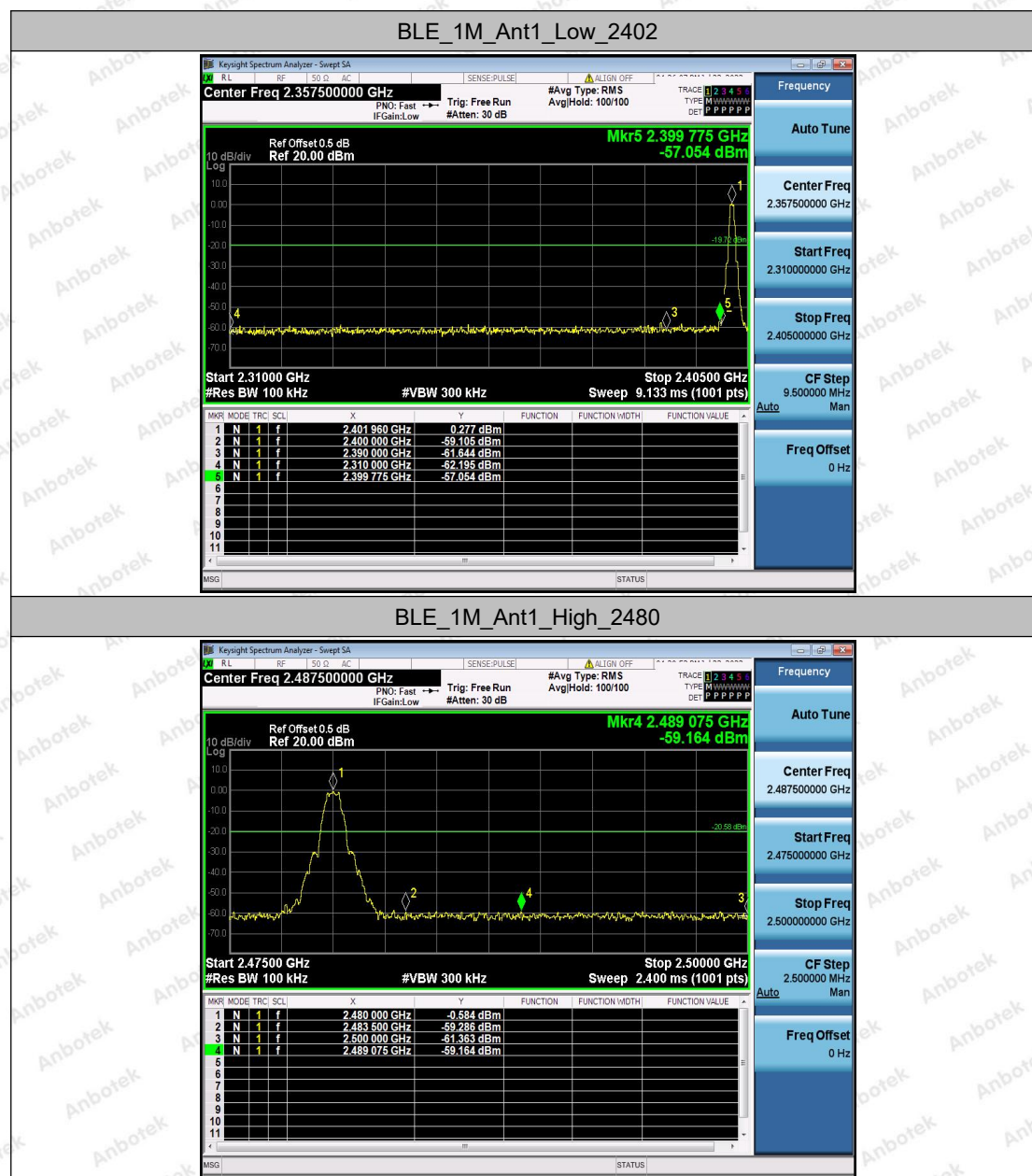
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.28	-57.05	≤-19.72	PASS
		High	2480	-0.58	-59.16	≤-20.58	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

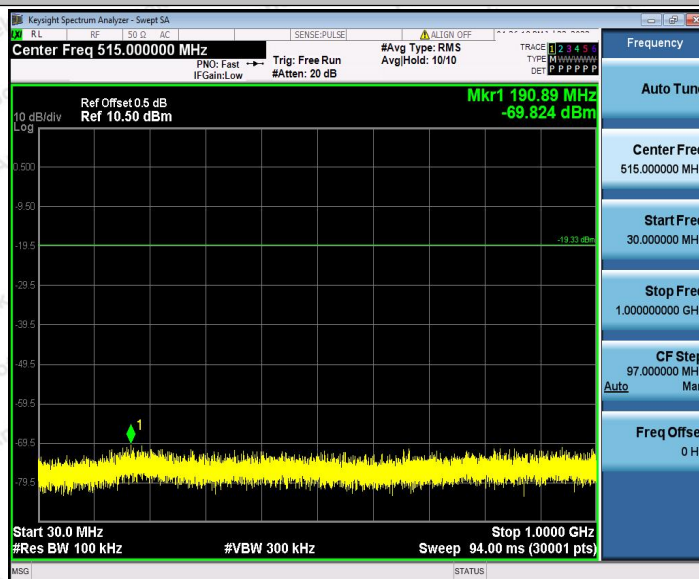
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-69.82	≤-19.33	PASS
			1000~26500	0.68	-53.88	≤-19.33	PASS
		2440	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-70.23	≤-19.37	PASS
			1000~26500	0.63	-53.94	≤-19.37	PASS
		2480	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-69.42	≤-20.76	PASS
			1000~26500	-0.76	-52.74	≤-20.76	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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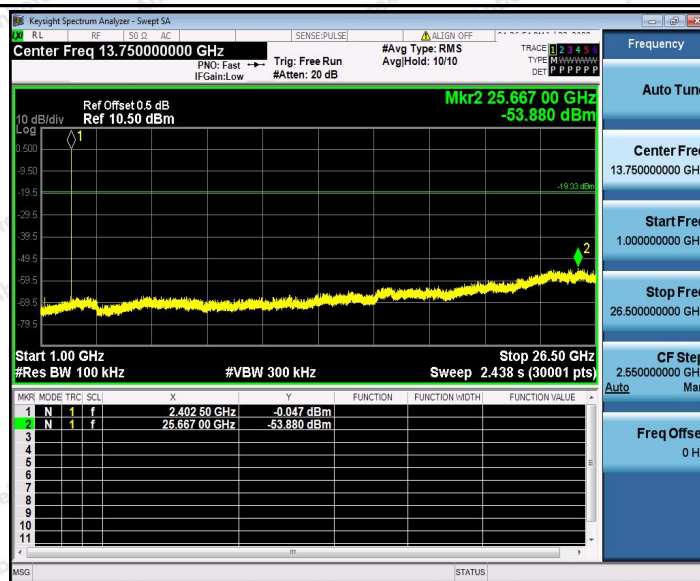
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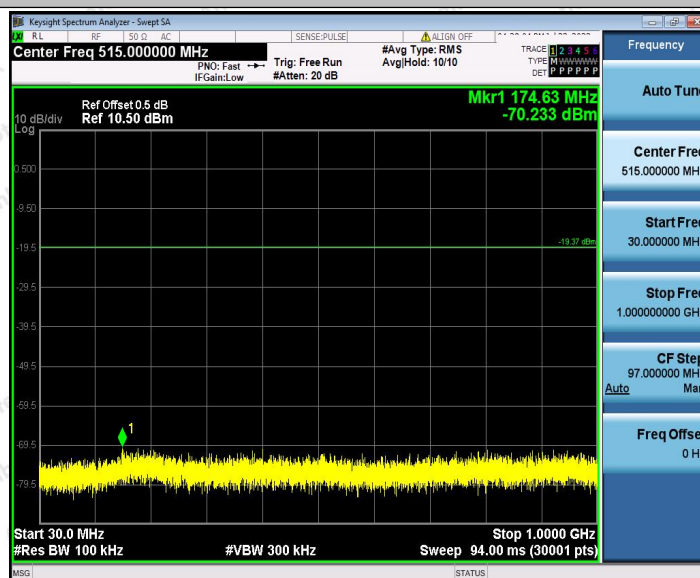
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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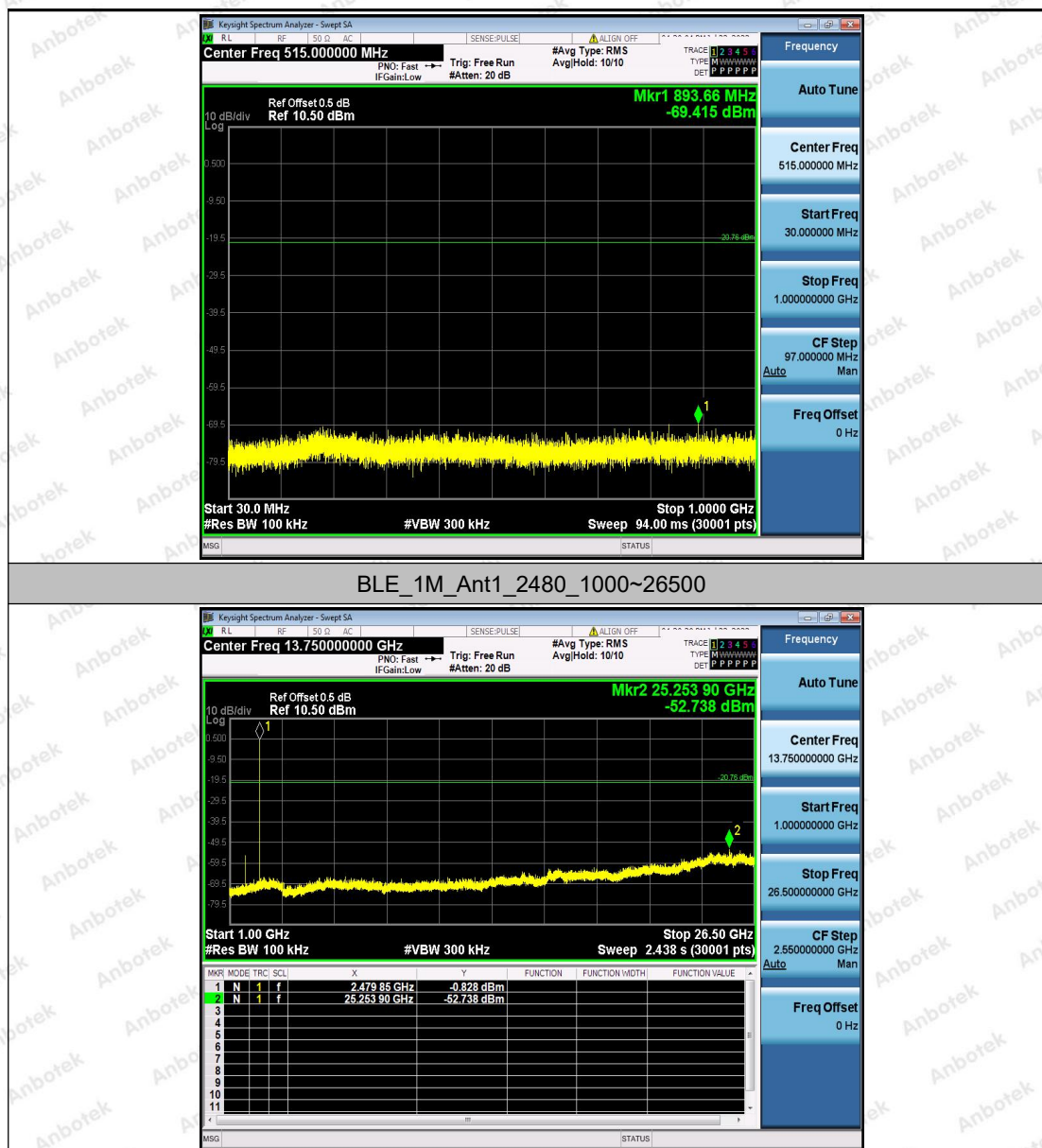
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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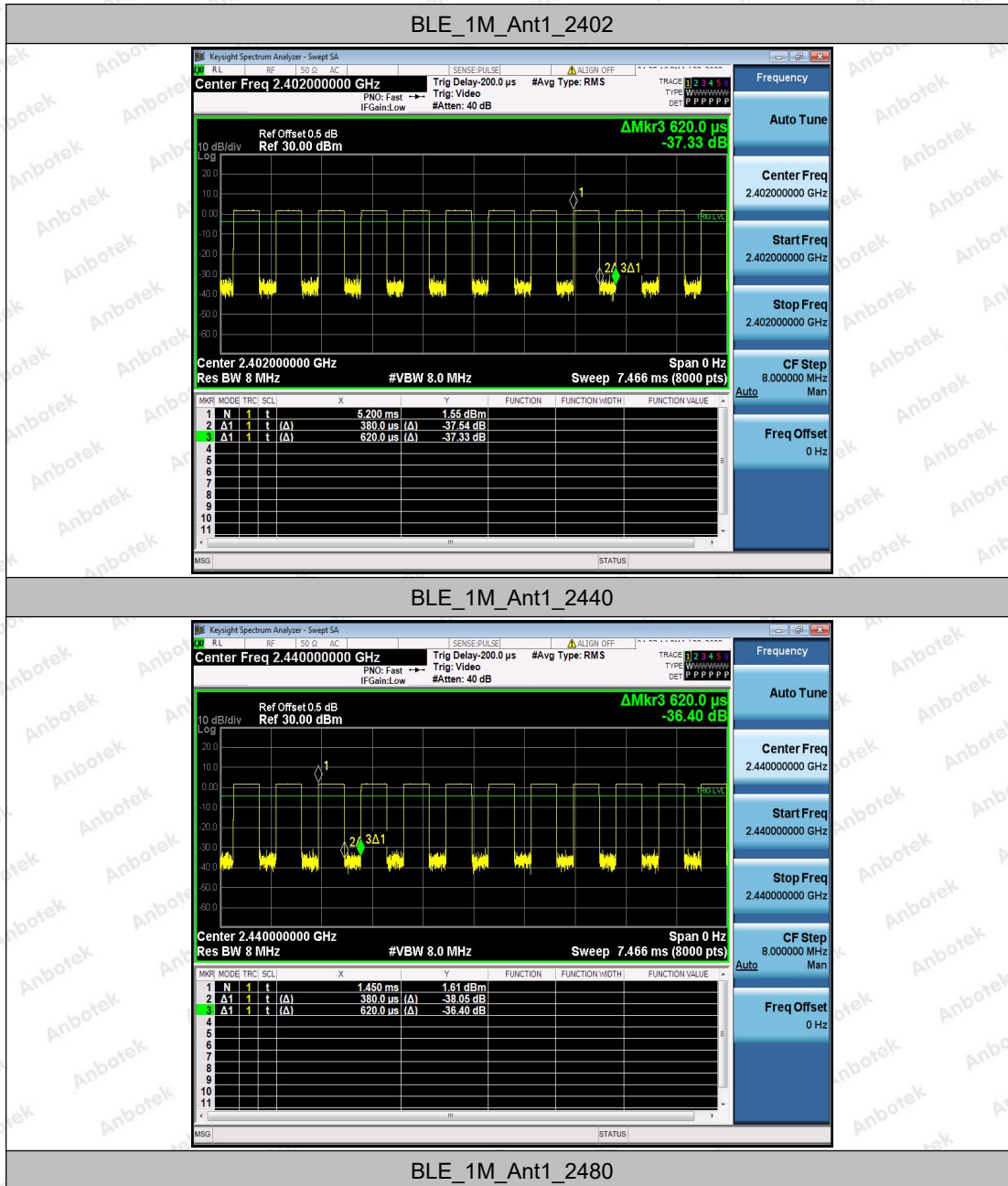
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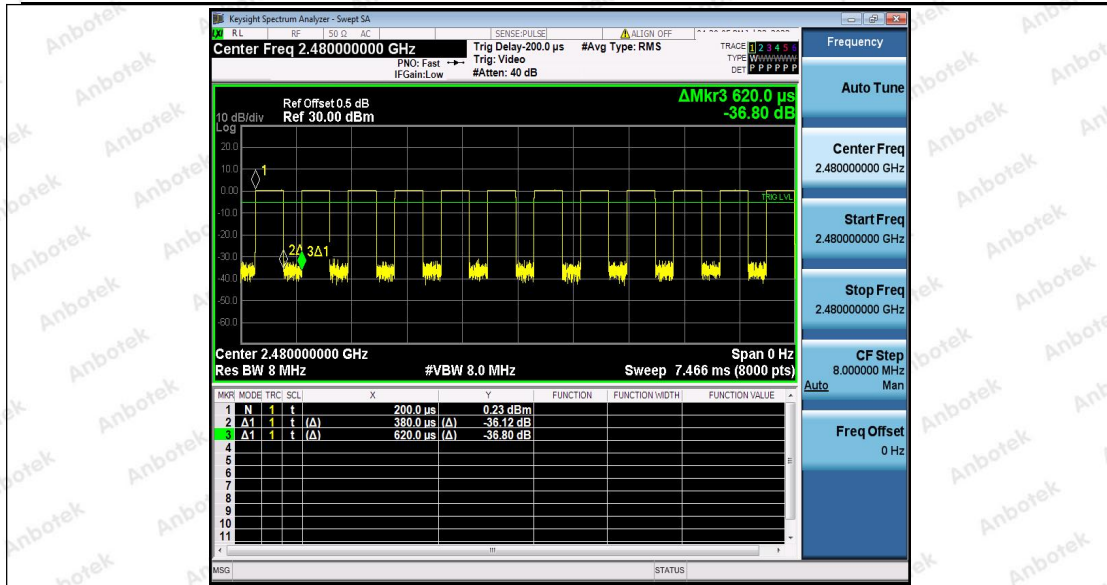
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---