

Appendix Test Data

Report No.:	18220WC20130502	Test Sample No.:	1-2-2
Start Test Date:	2022.6.20	Finish Test Date:	2022.6.25
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.9℃	Relative Humidity:	53.7 %
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	0.736	2401.616	2402.352	≥0.5	PASS
		2440	0.728	2439.644	2440.372	≥0.5	PASS
		2480	0.792	2479.608	2480.400	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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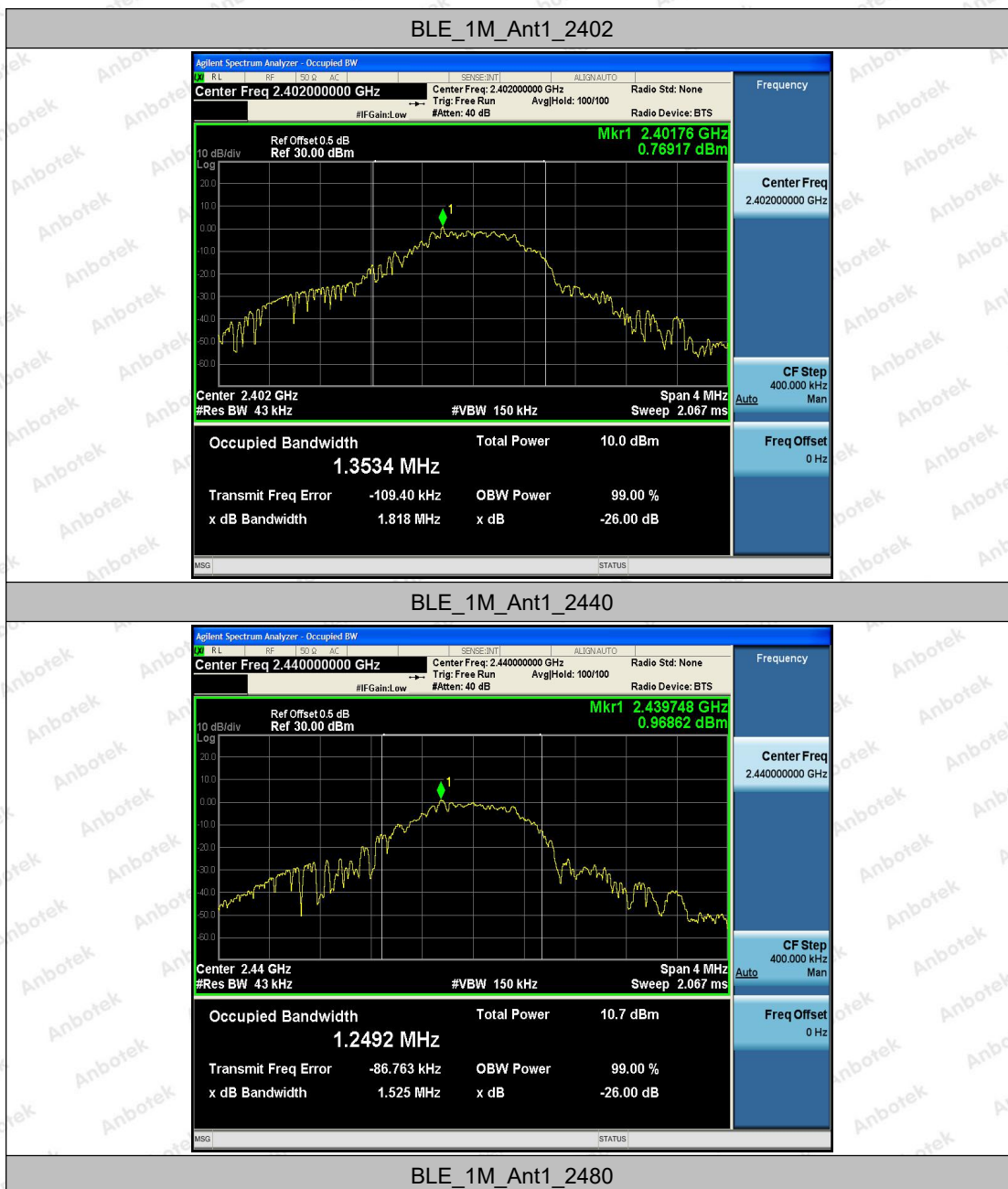
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.3534	2401.214	2402.567	---	PASS
		2440	1.2492	2439.289	2440.538	---	PASS
		2480	1.2654	2479.298	2480.563	---	PASS

Test Graphs



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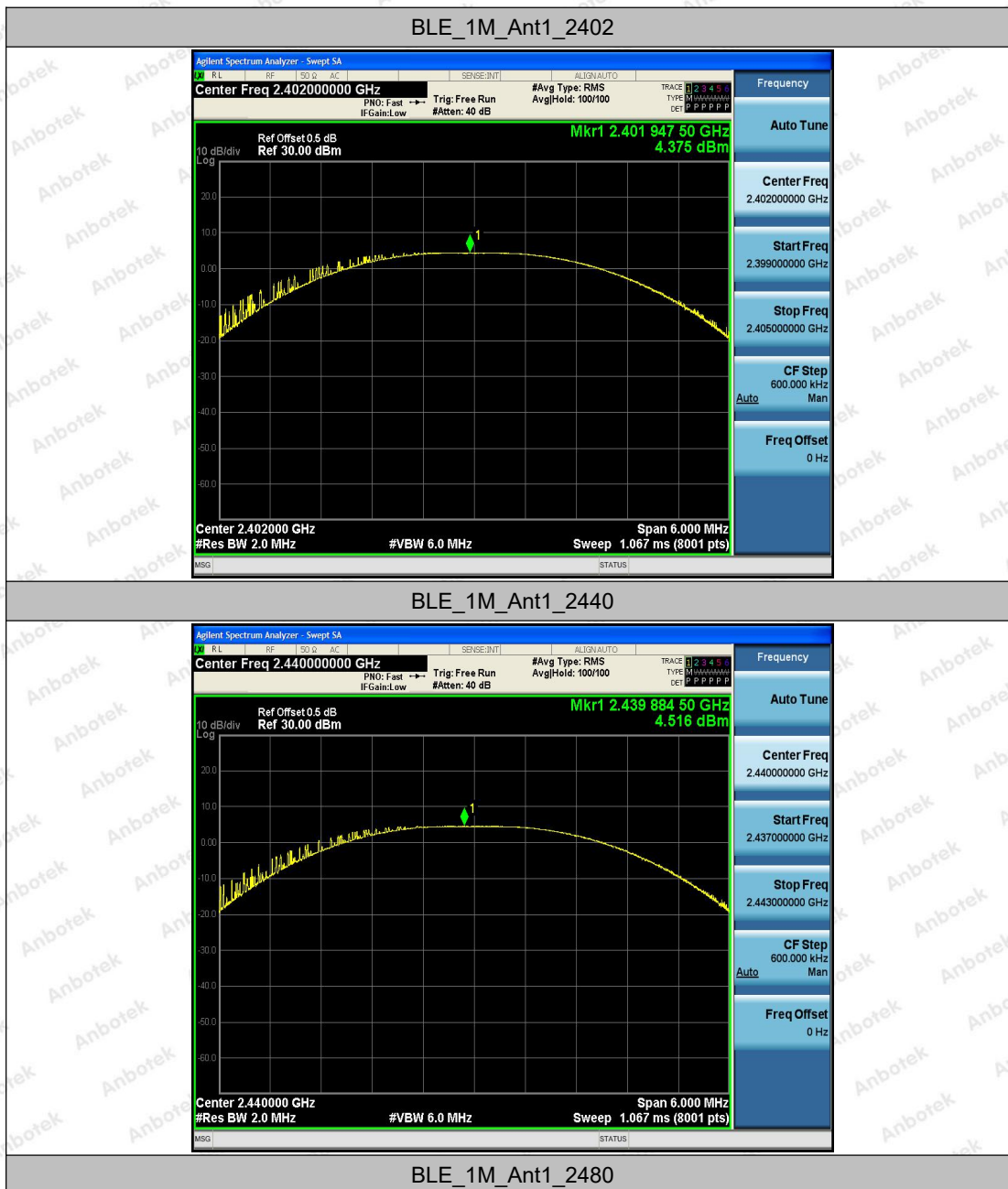
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.38	≤30	PASS
		2440	4.52	≤30	PASS
		2480	4.41	≤30	PASS

Test Graphs



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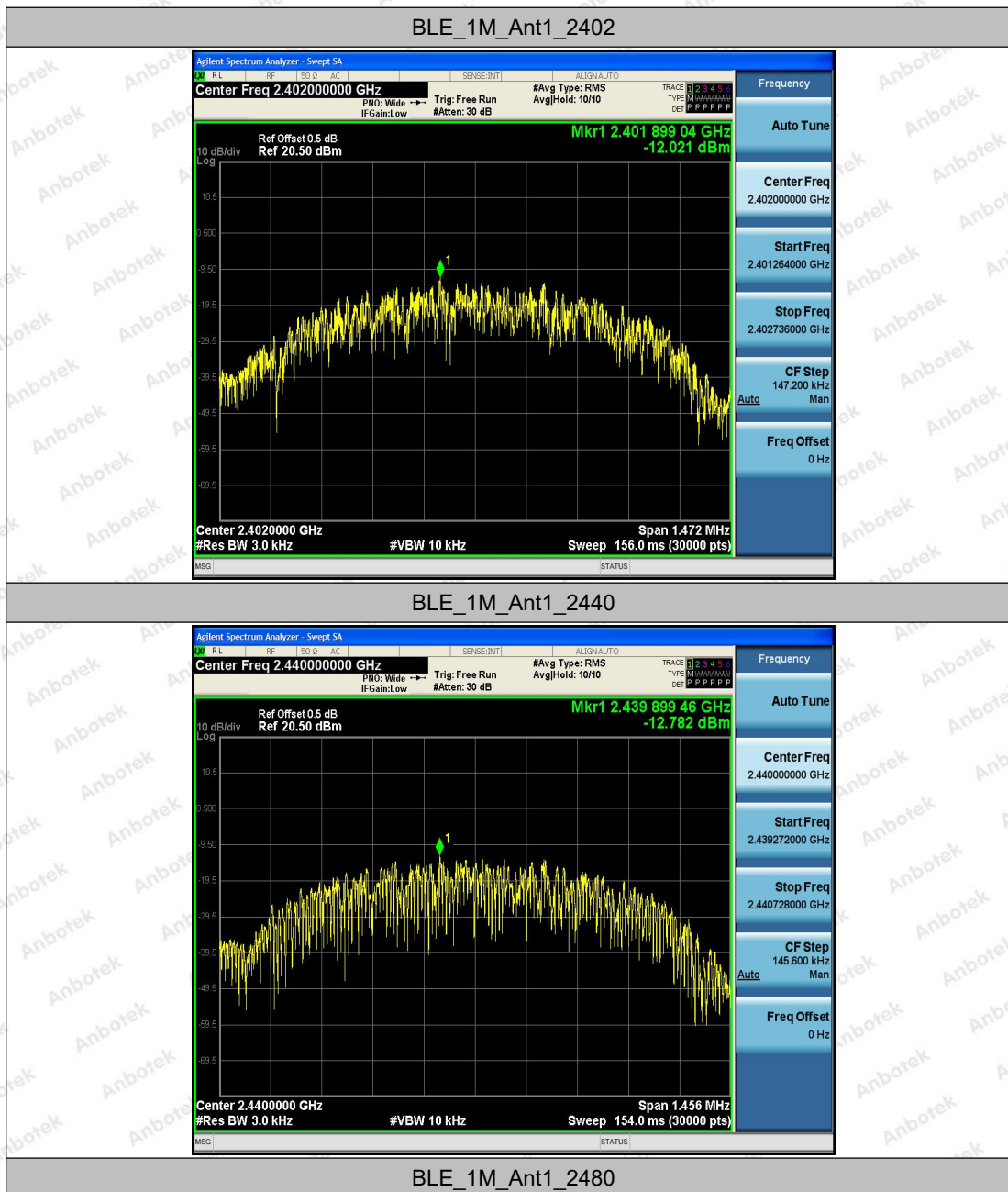
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.02	≤8	PASS
		2440	-12.78	≤8	PASS
		2480	-12.94	≤8	PASS

Test Graphs



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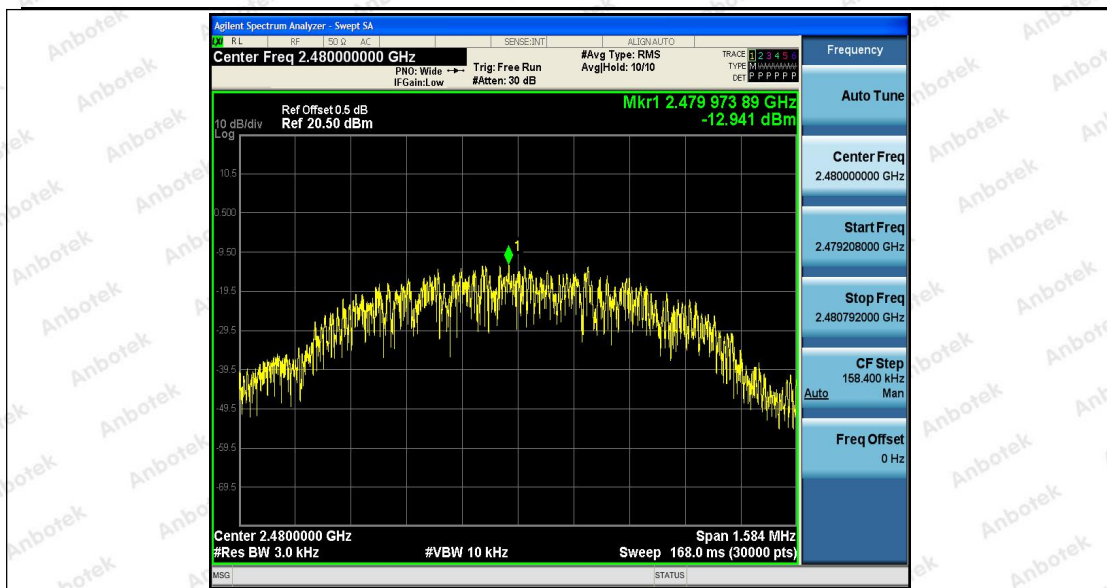
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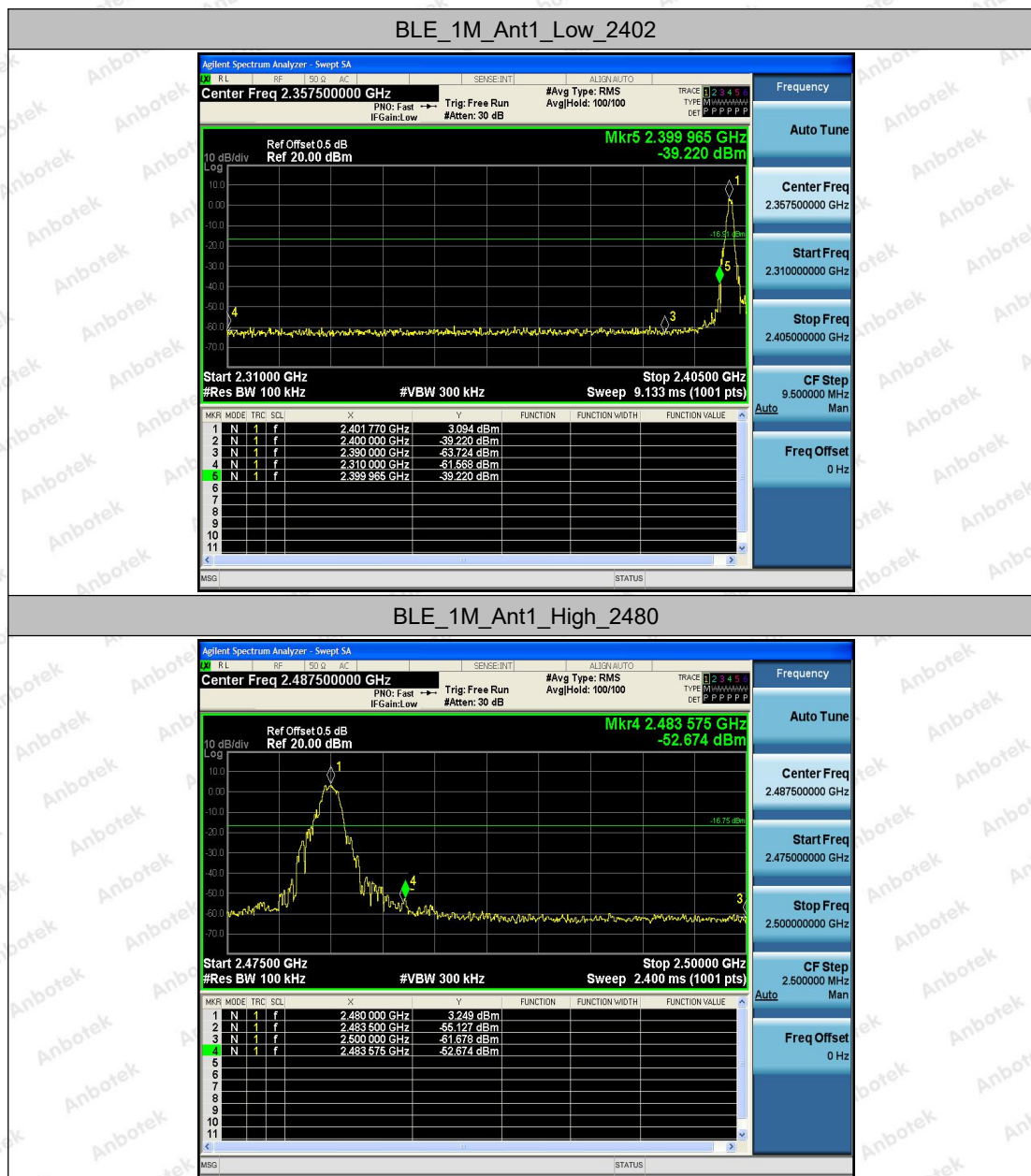
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.09	-39.22	≤-16.91	PASS
		High	2480	3.25	-52.67	≤-16.75	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

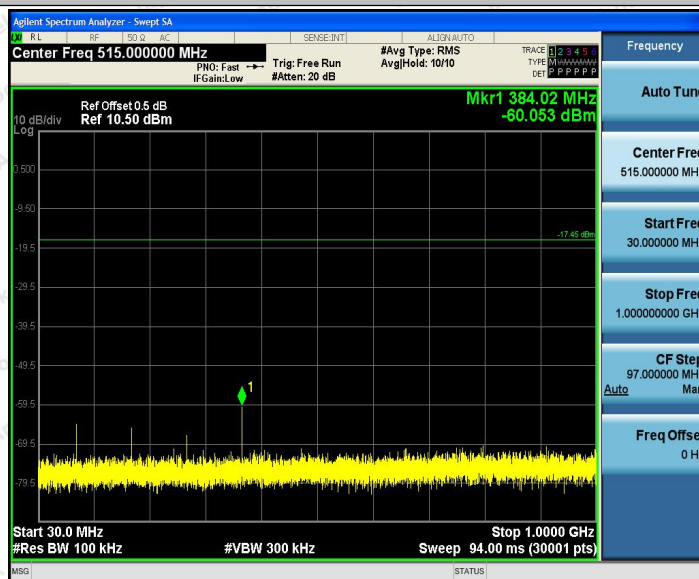
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-60.05	≤-17.45	PASS
			1000~265 00	2.55	-43.29	≤-17.45	PASS
		2440	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-60.44	≤-17.06	PASS
			1000~265 00	2.94	-46.82	≤-17.06	PASS
		2480	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-60.43	≤-17.3	PASS
			1000~265 00	2.70	-41.96	≤-17.3	PASS

Test Graphs

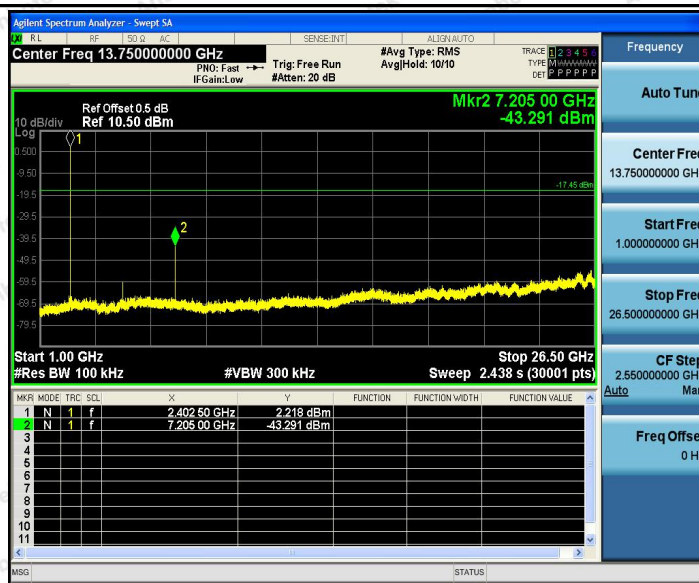
BLE_1M_Ant1_2402_0~Reference



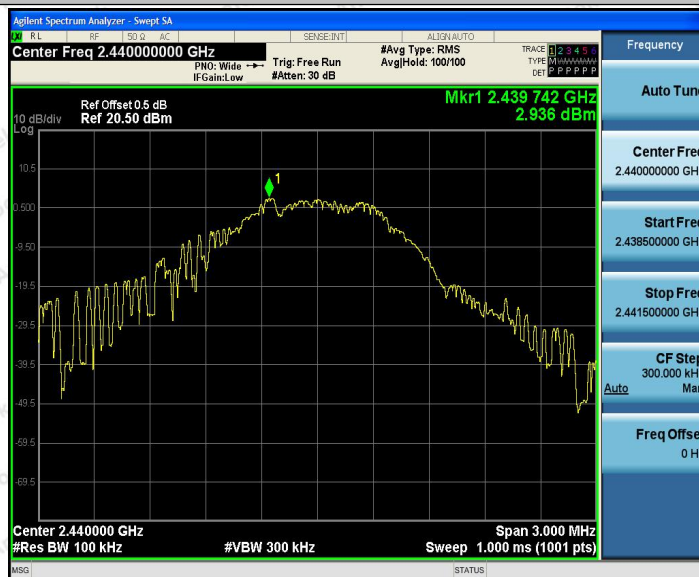
BLE_1M_Ant1_2402_30~1000



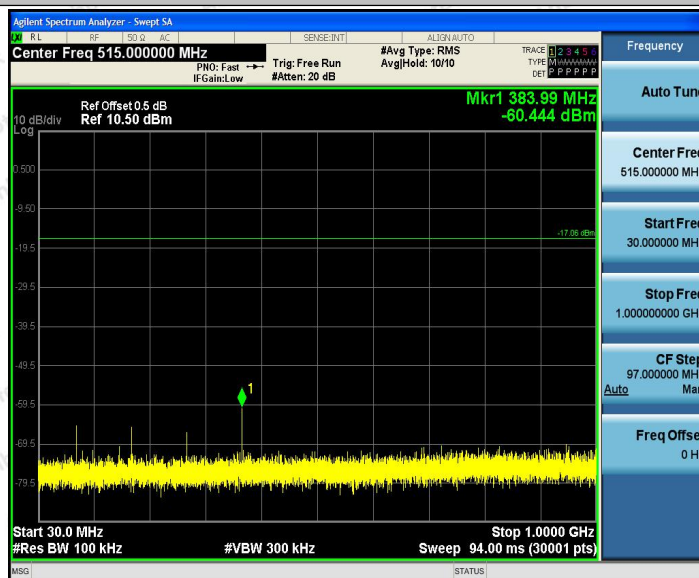
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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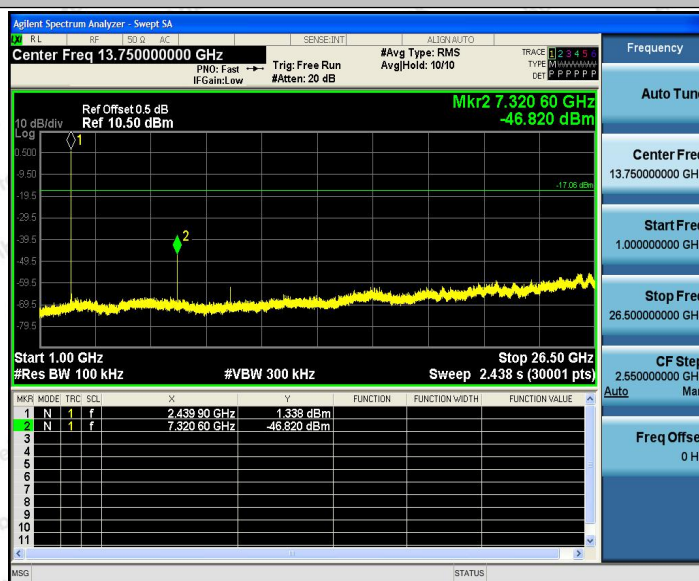


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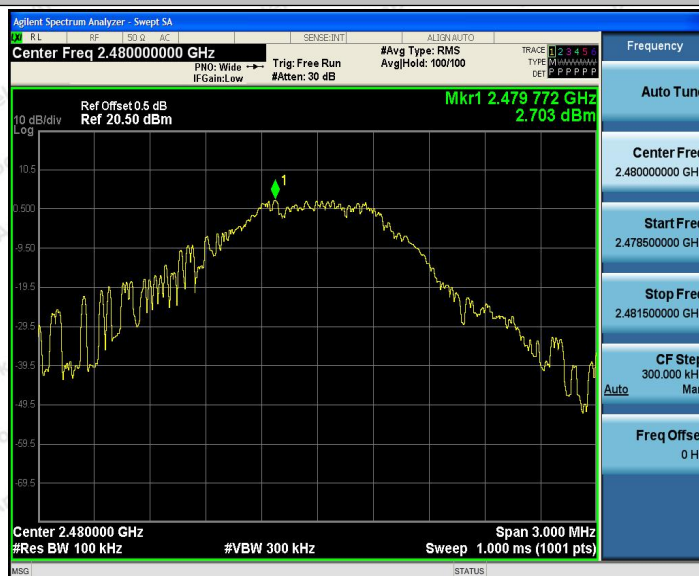
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



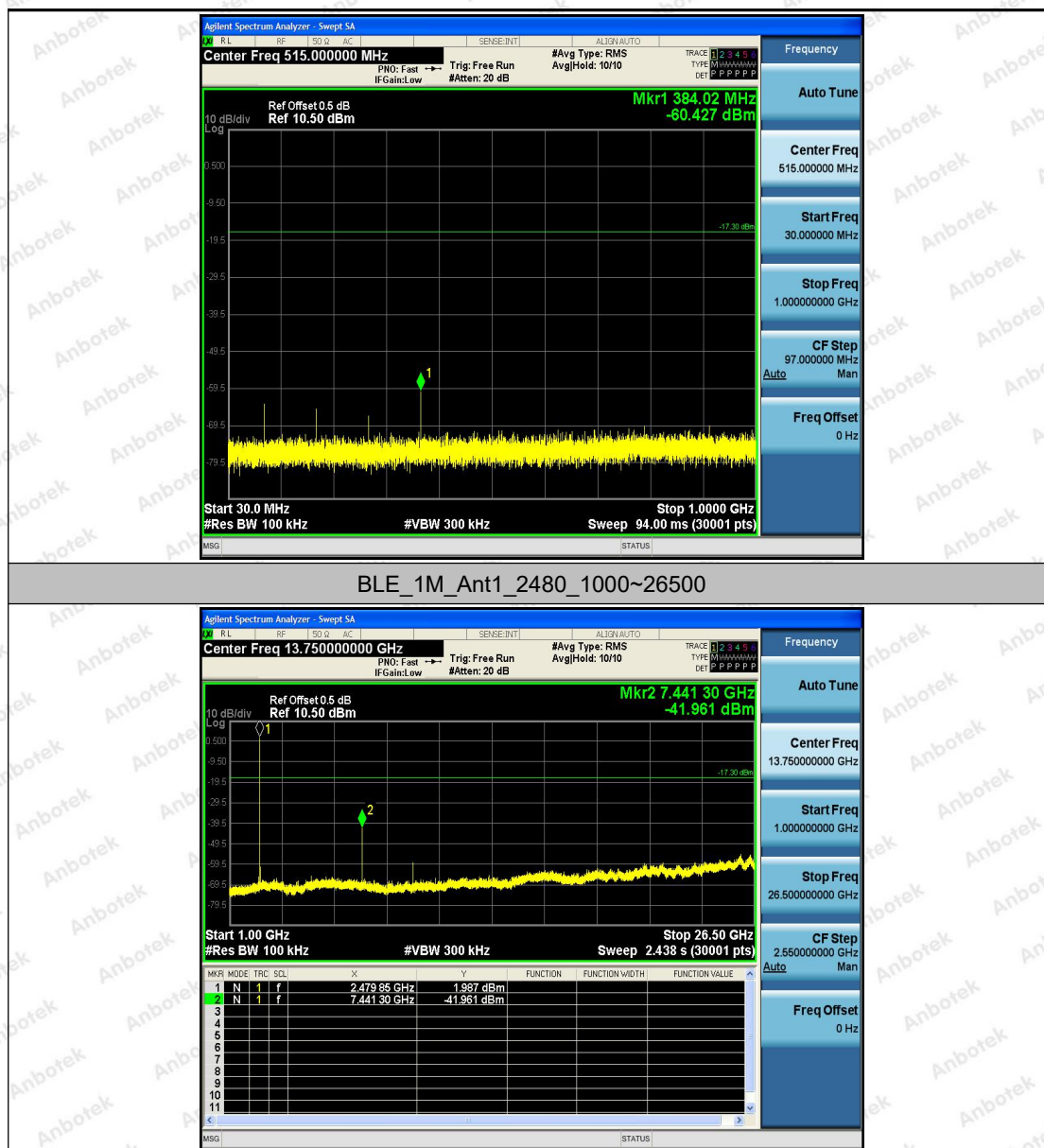
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.29	1.06	0.273 6	27.36	5.63	---	PASS
		2440	0.29	1.06	0.273 6	27.36	5.63	---	PASS
		2480	0.29	1.05	0.276 2	27.62	5.59	---	PASS

Test Graphs

