

10 APPENDIX

Appendix1

10.1 APPENDIXA: DTS BANDWIDTH

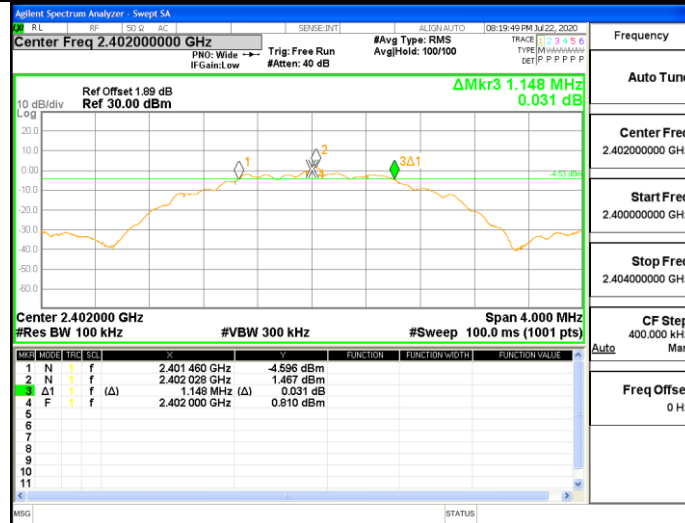
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1Mbps	Ant1	2402	0.660	2401.684	2402.344	>=0.5	PASS
		2442	0.668	2441.680	2442.348	>=0.5	PASS
		2480	0.672	2479.676	2480.348	>=0.5	PASS
BLE_2Mbps	Ant1	2402	1.148	2401.460	2402.608	>=0.5	PASS
		2442	1.120	2441.460	2442.580	>=0.5	PASS
		2480	1.124	2479.456	2480.580	>=0.5	PASS

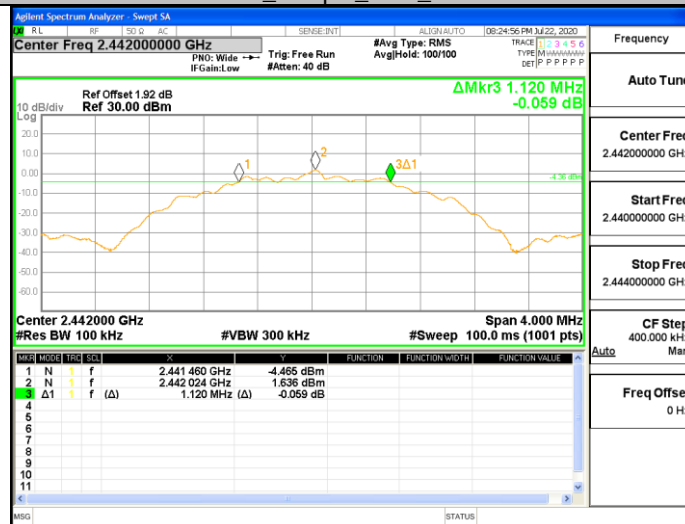
Test Graphs



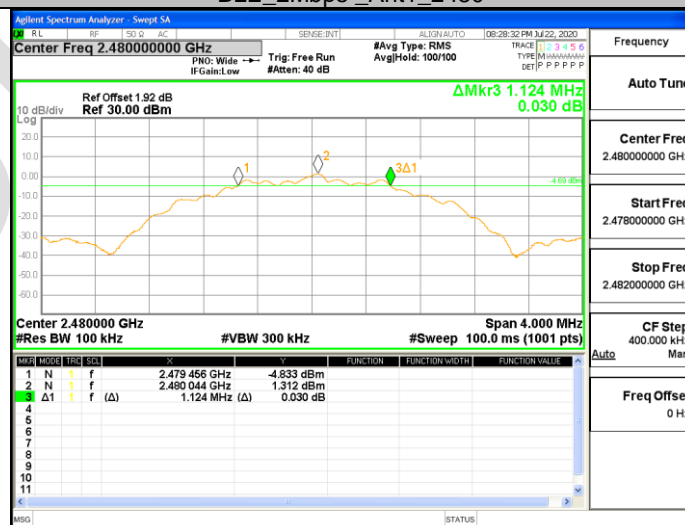
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2442



BLE_2Mbps_Ant1_2480



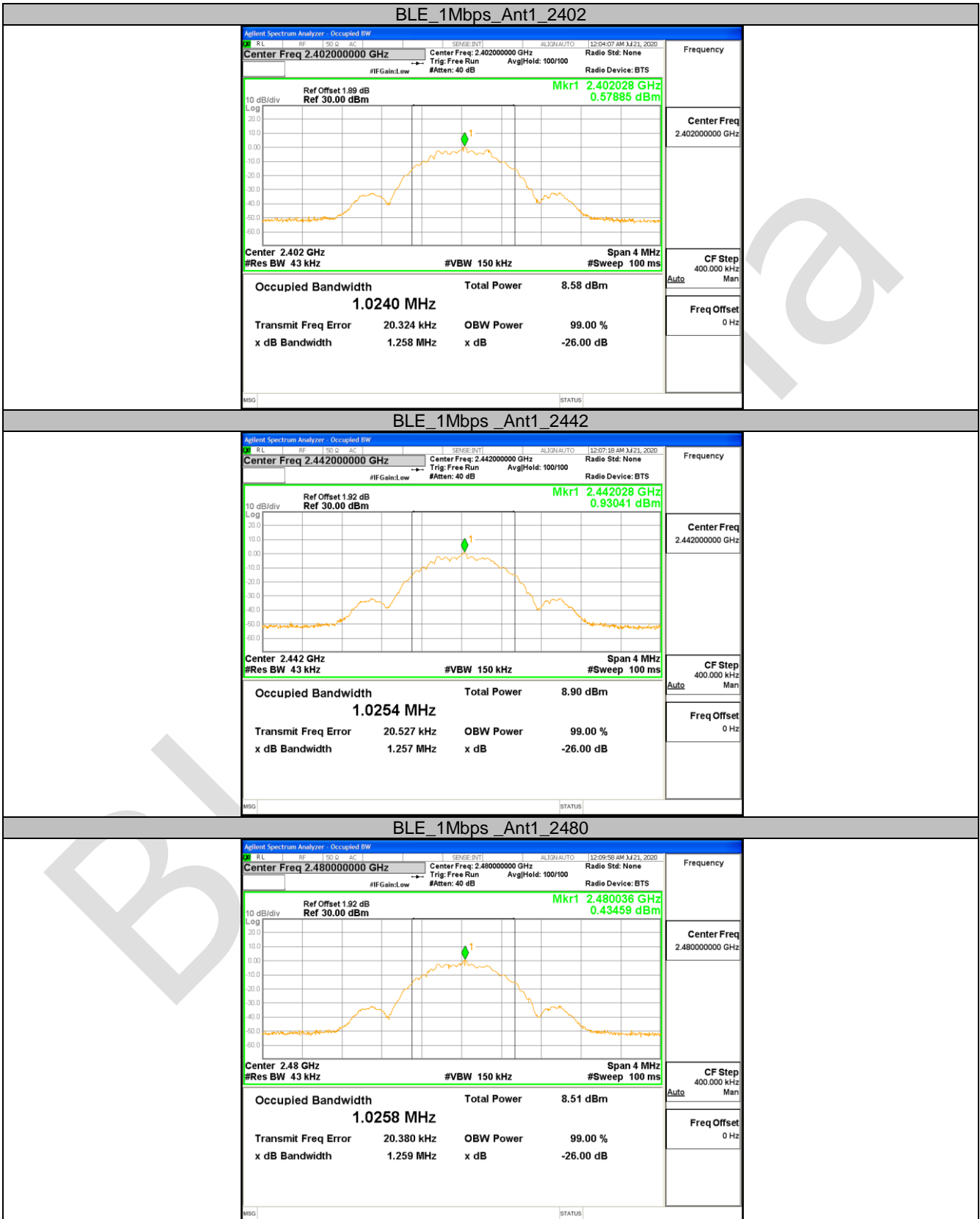
10.2 APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

Test Result

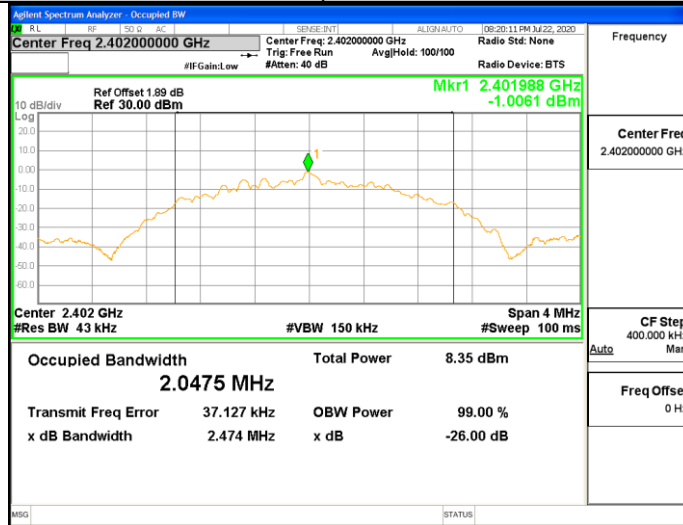
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1Mbps	Ant1	2402	1.0240	2401.508	2402.532	---	PASS
		2442	1.0254	2441.508	2442.533	---	PASS
		2480	1.0258	2479.507	2480.533	---	PASS
BLE_2Mbps	Ant1	2402	2.0475	2401.013	2403.061	---	PASS
		2442	2.0502	2441.011	2443.061	---	PASS
		2480	2.0497	2479.009	2481.059	---	PASS

BlueAsia

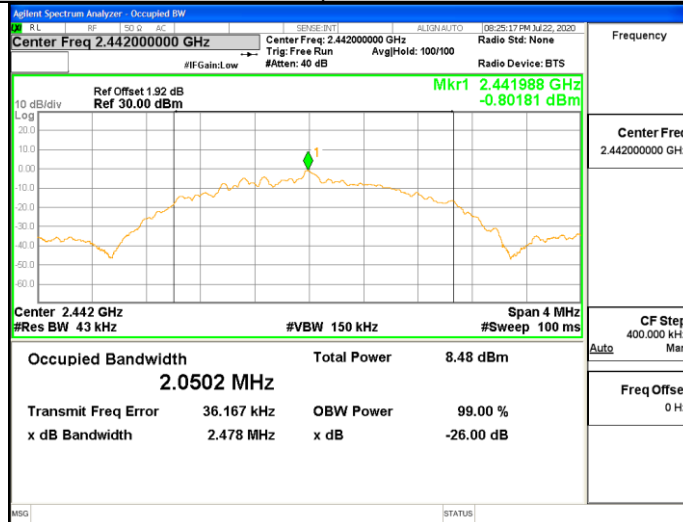
Test Graphs



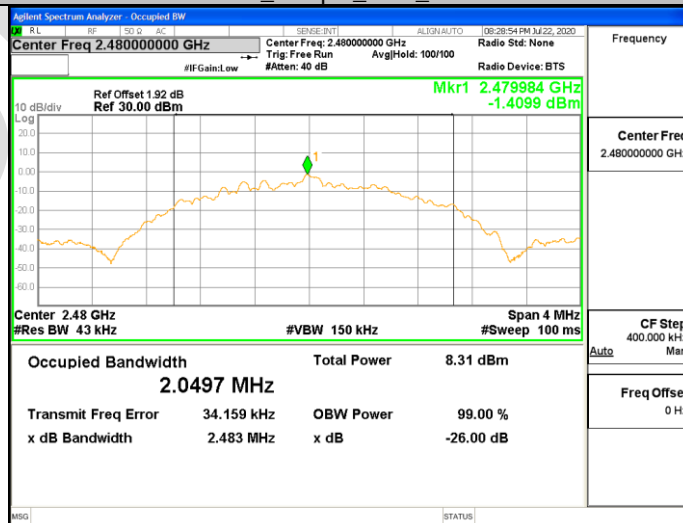
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2442



BLE_2Mbps_Ant1_2480

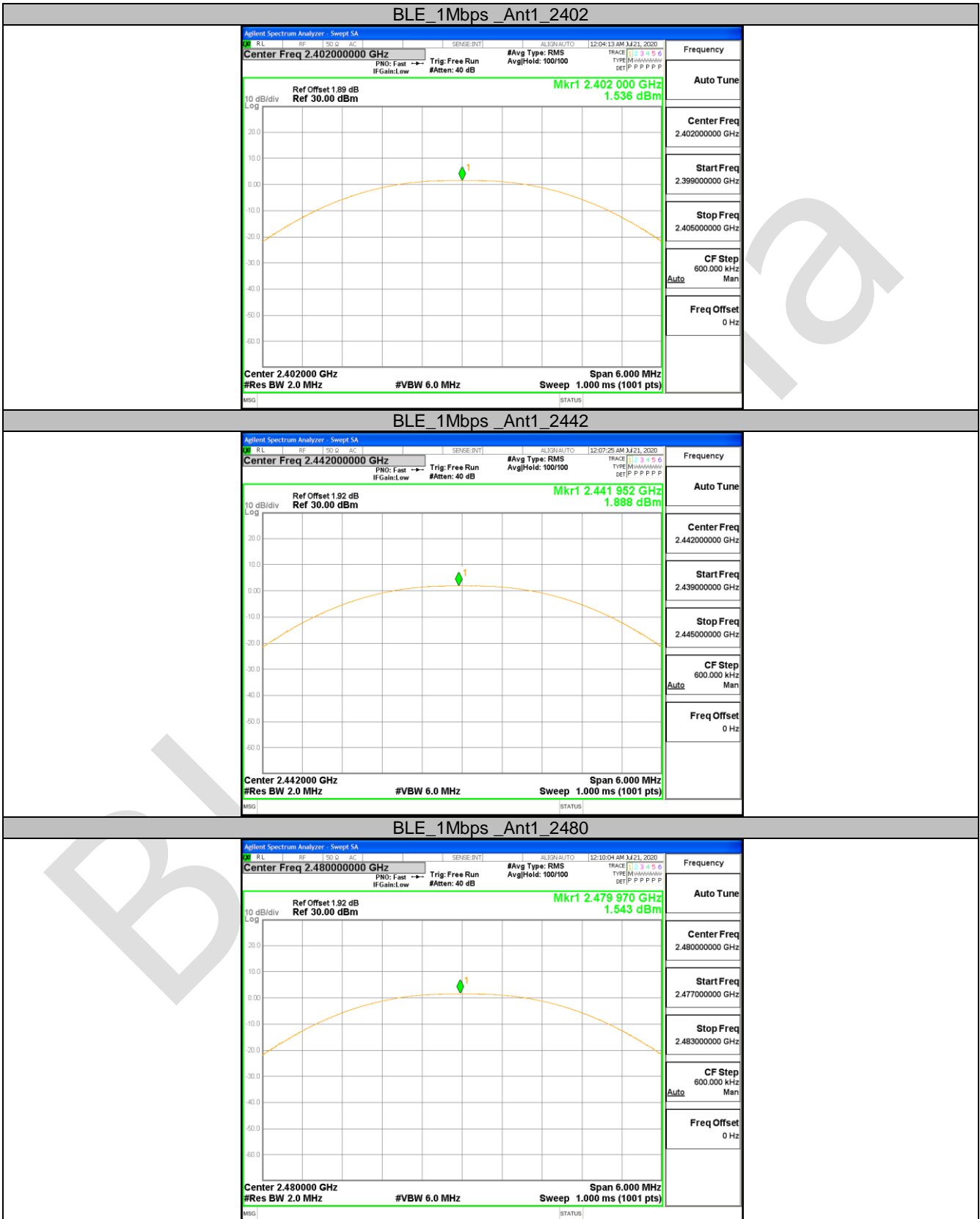


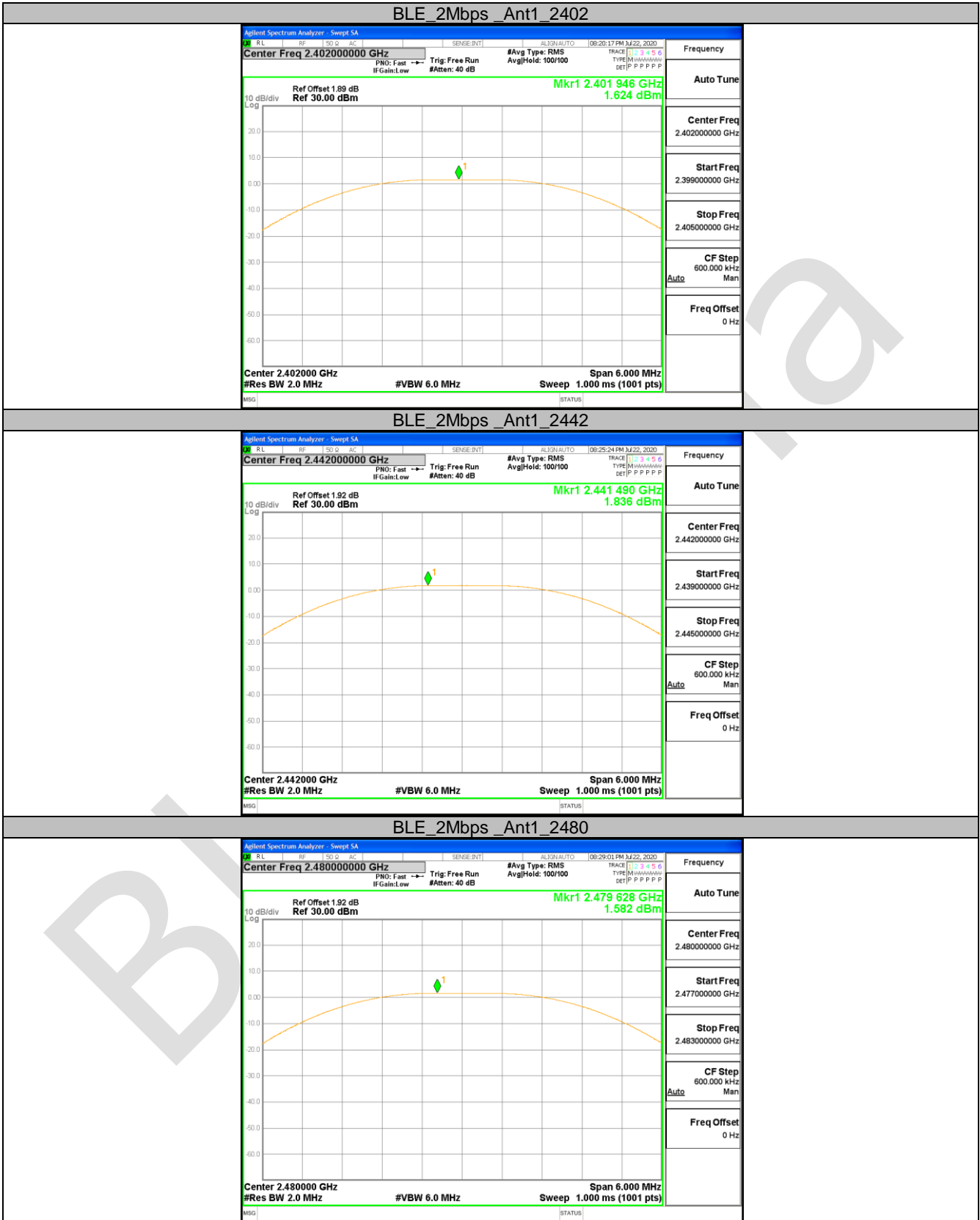
10.3 APPENDIXC: MAXIMUM CONDUCTED OUTPUT POWER

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	2402	1.54	<=30	PASS
		2442	1.89	<=30	PASS
		2480	1.54	<=30	PASS
BLE_2Mbps	Ant1	2402	1.62	<=30	PASS
		2442	1.84	<=30	PASS
		2480	1.58	<=30	PASS

Test Graphs





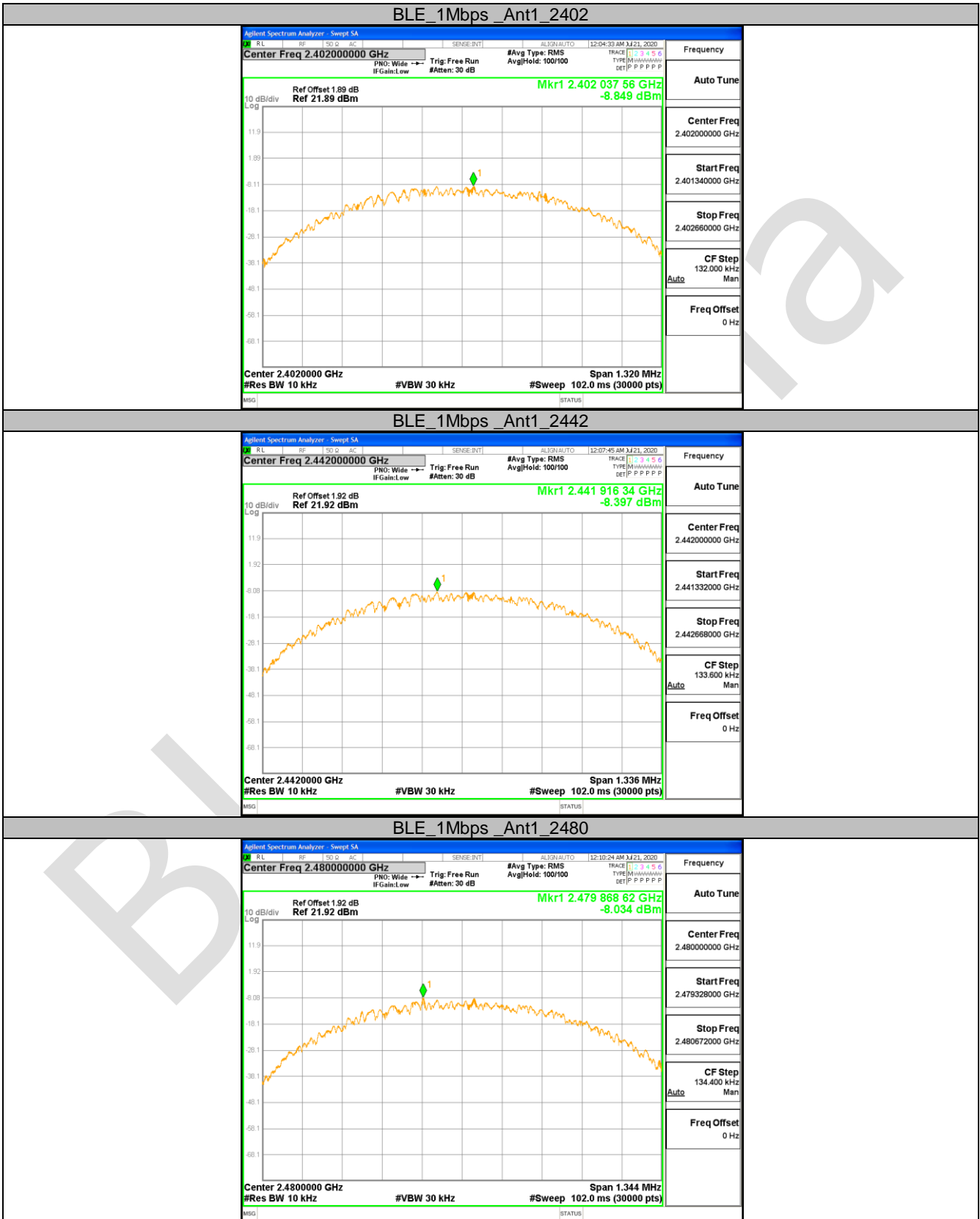
10.4 APPENDIXD: MAXIMUM POWER SPECTRAL DENSITY

Test Result

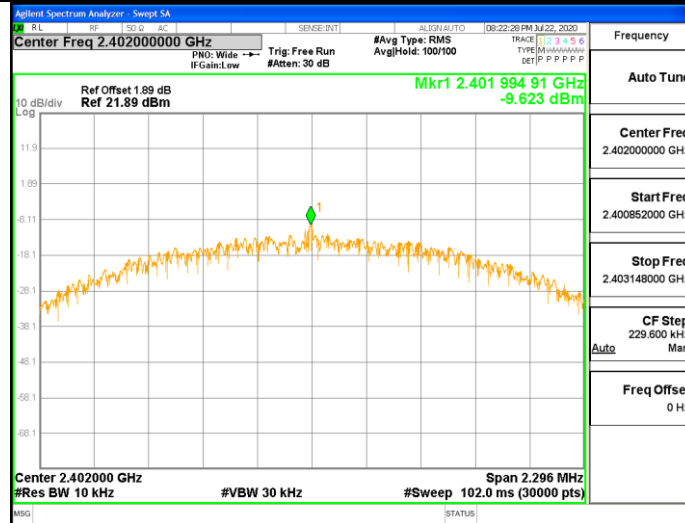
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1Mbps	Ant1	2402	-8.85	<=8	PASS
		2442	-8.4	<=8	PASS
		2480	-8.03	<=8	PASS
BLE_2Mbps	Ant1	2402	-9.62	<=8	PASS
		2442	-9.5	<=8	PASS
		2480	-10.16	<=8	PASS

BlueAsia

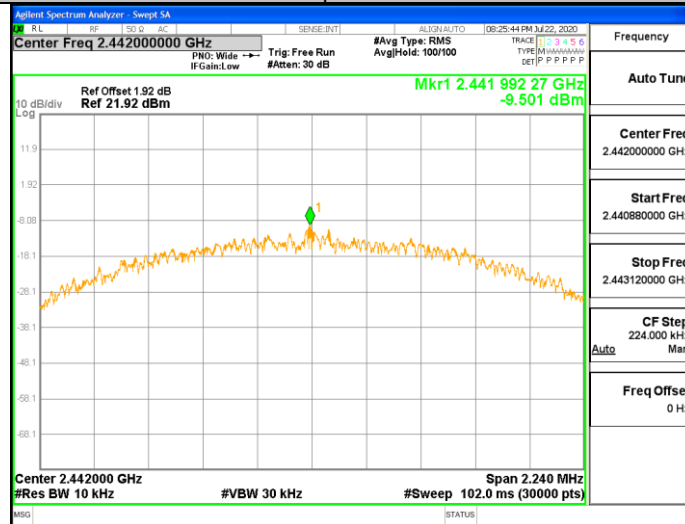
Test Graphs



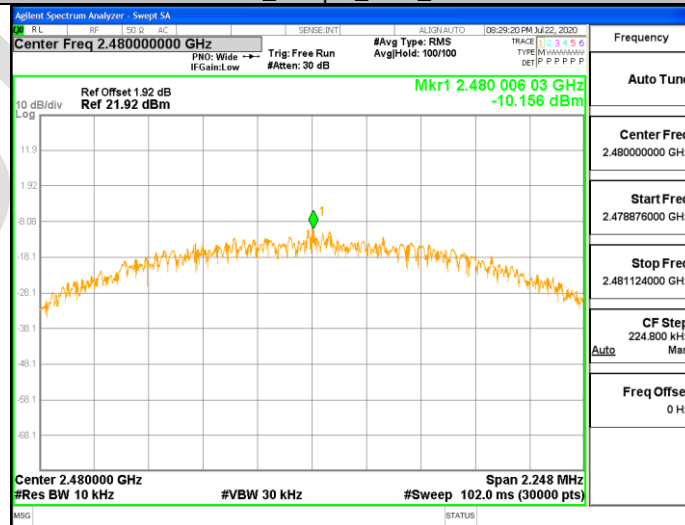
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2442



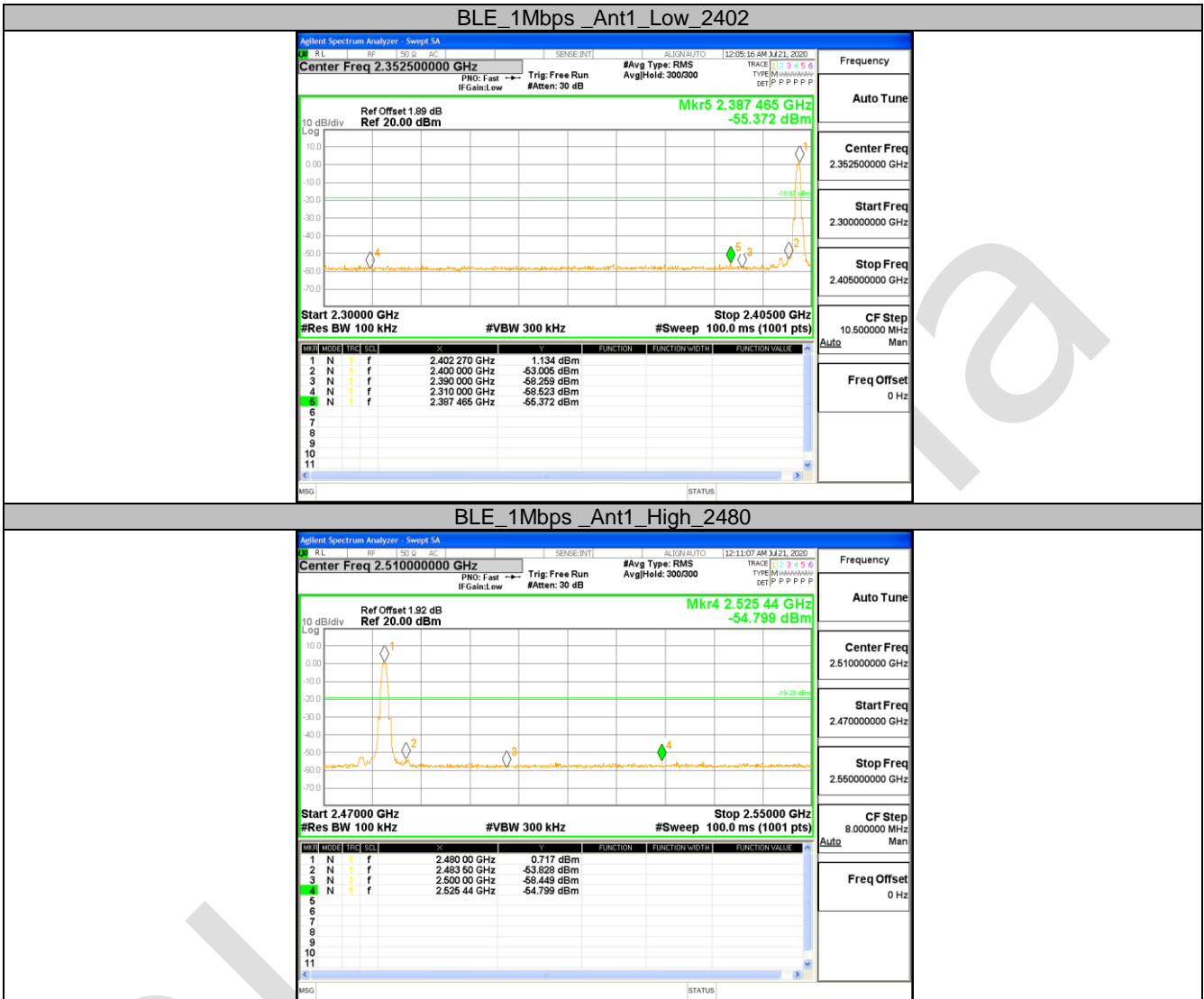
BLE_2Mbps_Ant1_2480

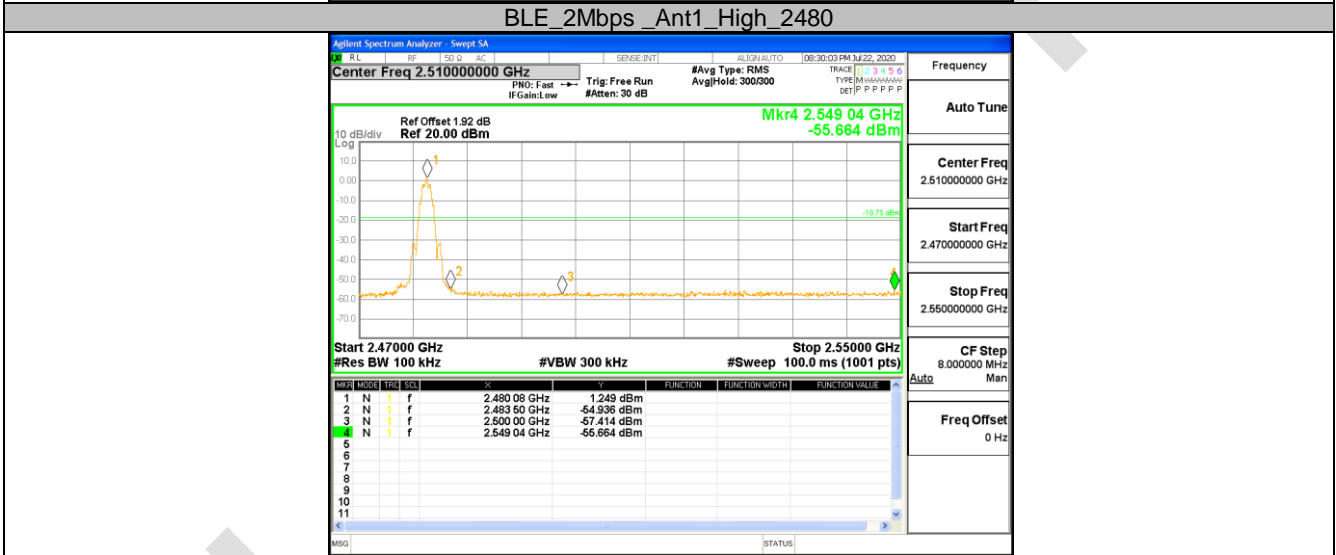
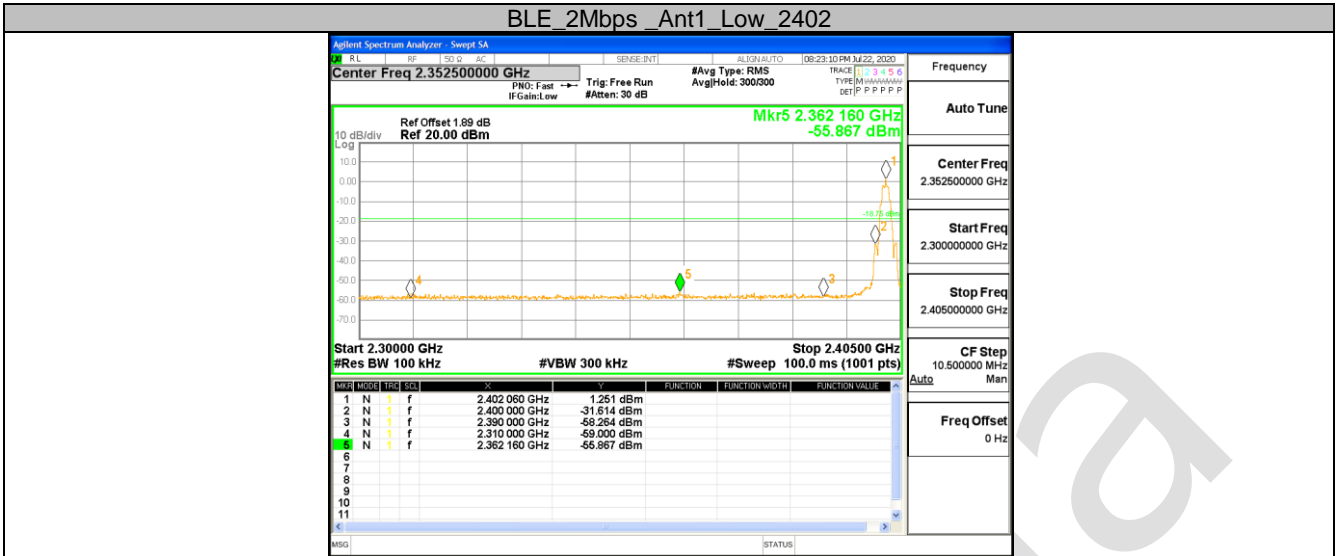


10.5 APPENDIXE: BAND EDGE MEASUREMENTS**Test Result**

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	Low	2402	1.13	-55.37	<=-18.87	PASS
		High	2480	0.72	-54.8	<=-19.28	PASS
BLE_2Mbps	Ant1	Low	2402	1.25	-55.87	<=-18.75	PASS
		High	2480	1.25	-55.66	<=-18.75	PASS

Test Graphs



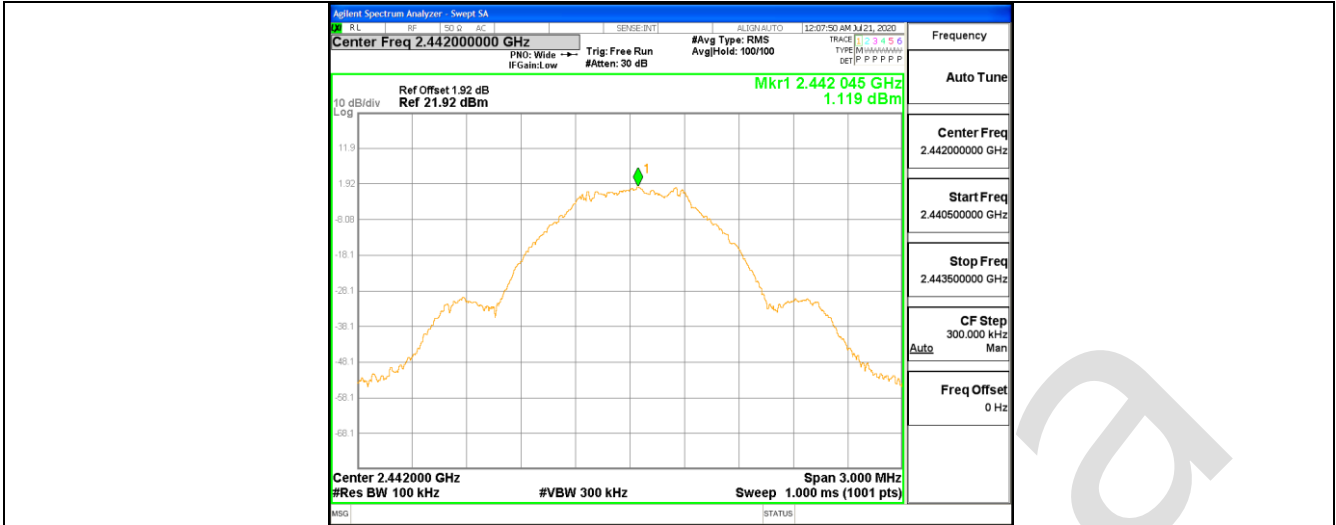


10.6 APPENDIX F: CONDUCTED SPURIOUS EMISSION
Test Result

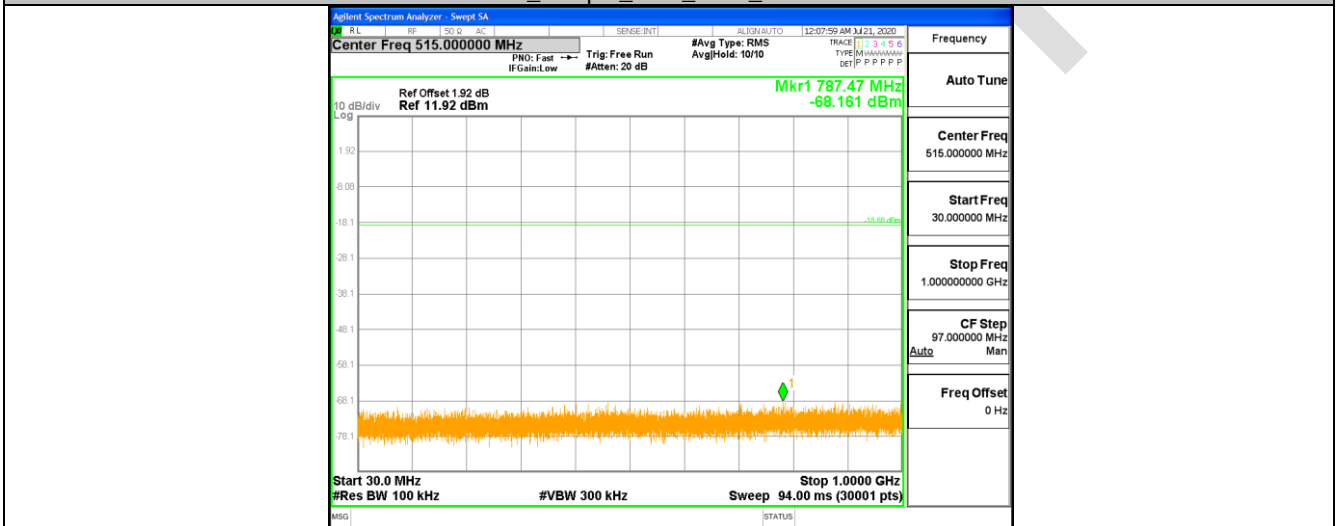
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	2402	Reference	0.43	0.43	---	PASS
			30~1000	30~1000	-67.991	<=-19.571	PASS
			1000~26500	1000~26500	-53.534	<=-19.571	PASS
		2442	Reference	1.12	1.12	---	PASS
			30~1000	30~1000	-68.161	<=-18.881	PASS
			1000~26500	1000~26500	-53.148	<=-18.881	PASS
		2480	Reference	1.13	1.13	---	PASS
			30~1000	30~1000	-67.883	<=-18.868	PASS
			1000~26500	1000~26500	-53.241	<=-18.868	PASS
BLE_2Mbps	Ant1	2402	Reference	0.14	0.14	---	PASS
			30~1000	30~1000	-67.306	<=-19.856	PASS
			1000~26500	1000~26500	-53.562	<=-19.856	PASS
		2442	Reference	0.73	0.73	---	PASS
			30~1000	30~1000	-66.461	<=-19.268	PASS
			1000~26500	1000~26500	-53.667	<=-19.268	PASS
		2480	Reference	1.12	1.12	---	PASS
			30~1000	30~1000	-67.12	<=-18.881	PASS
			1000~26500	1000~26500	-53.689	<=-18.881	PASS

Test Graphs

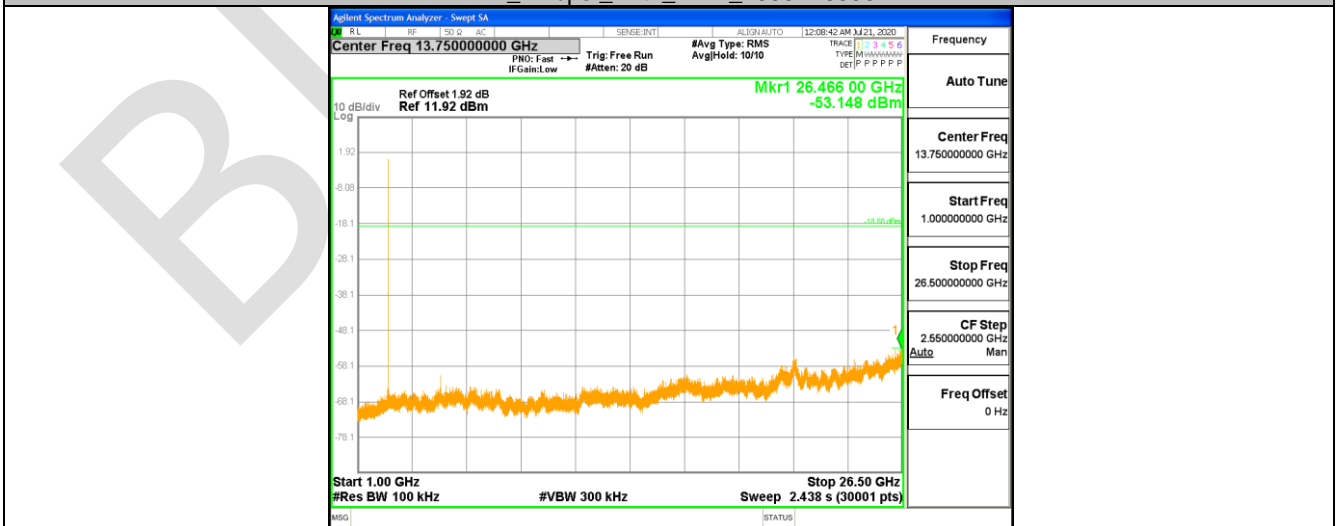




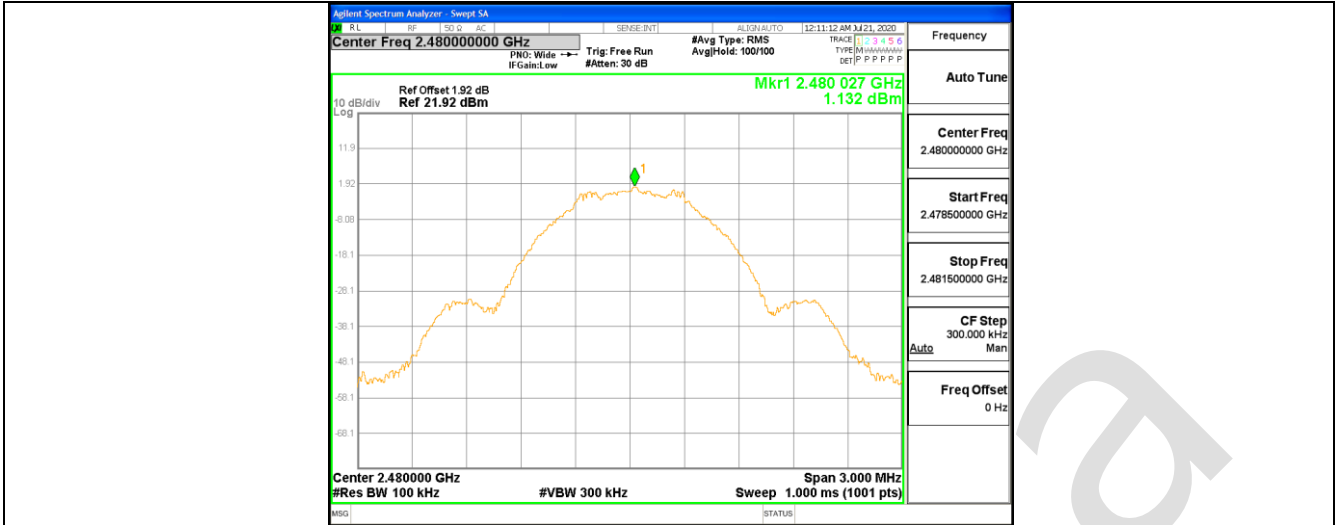
BLE_1Mbps_Ant1_2442_30-1000



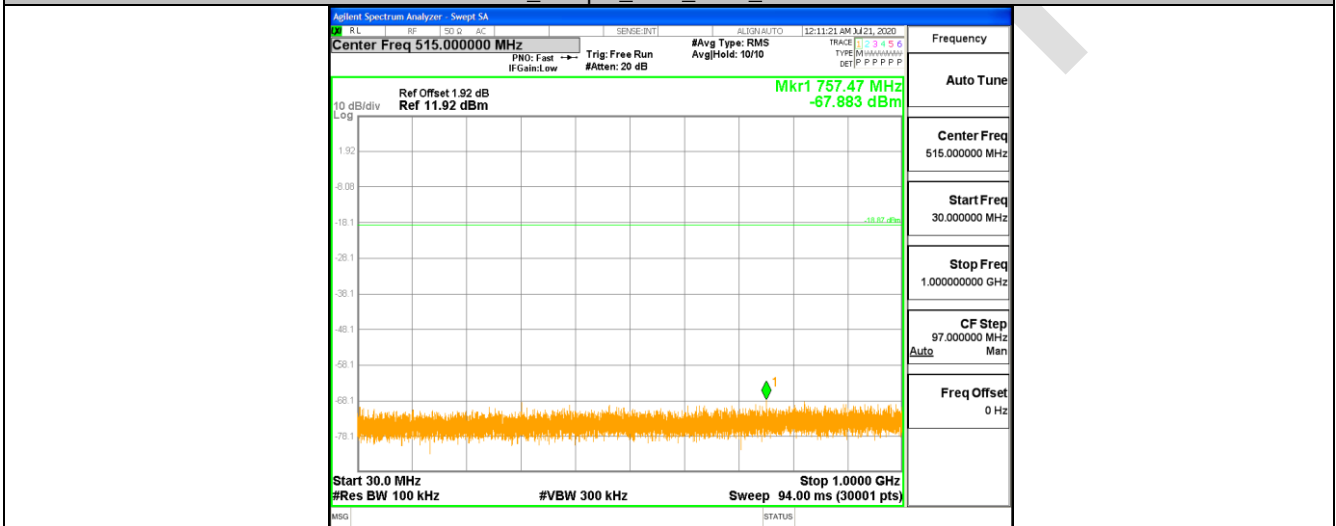
BLE 1Mbps_Ant1_2442_1000-26500



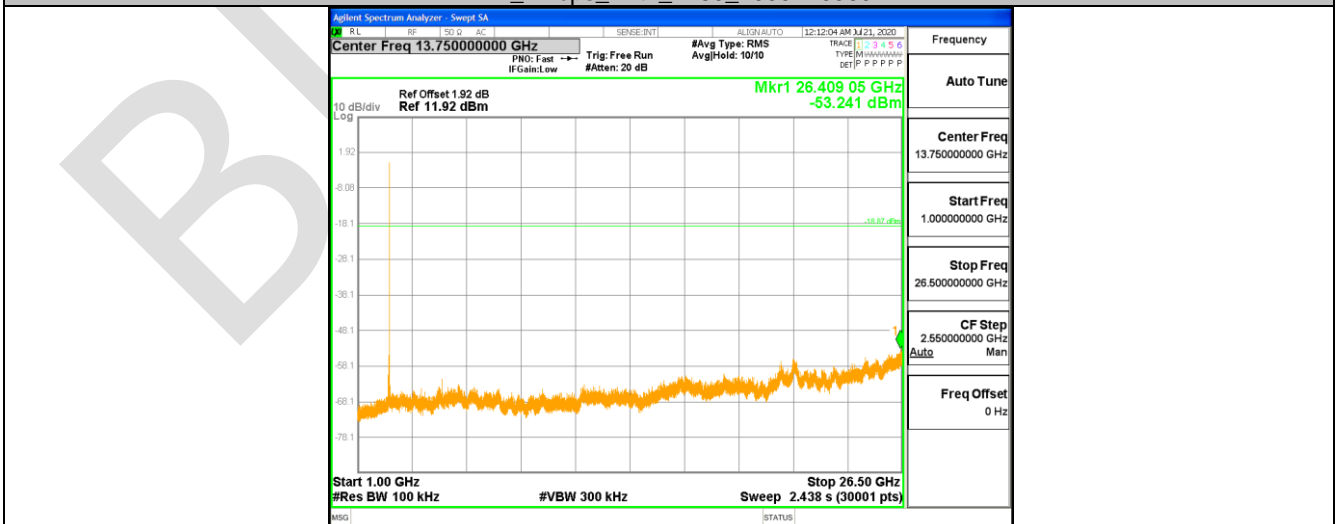
BLE_1Mbps_Ant1_2480_0-Reference

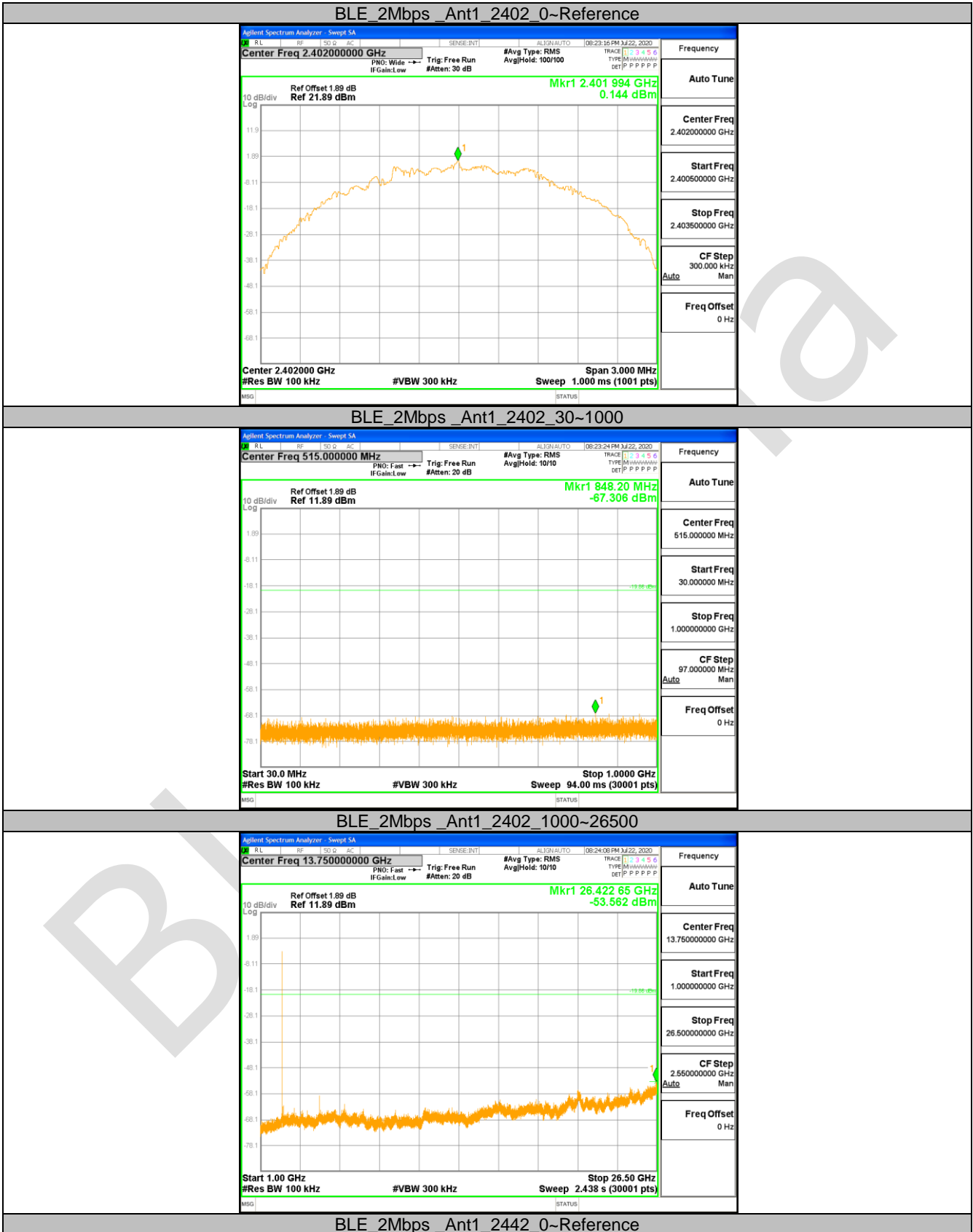


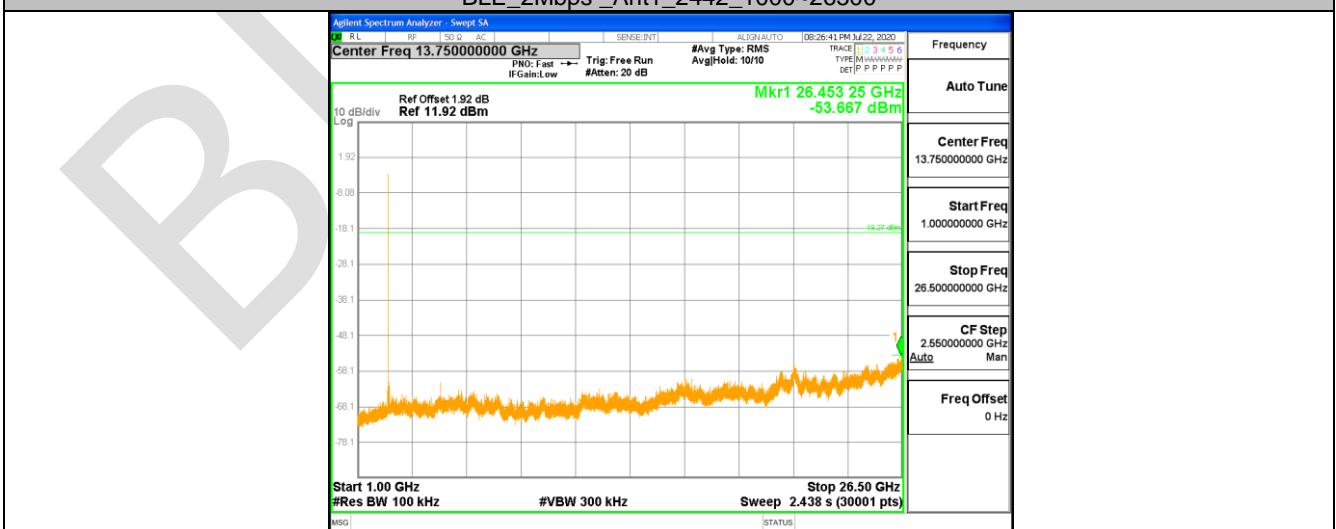
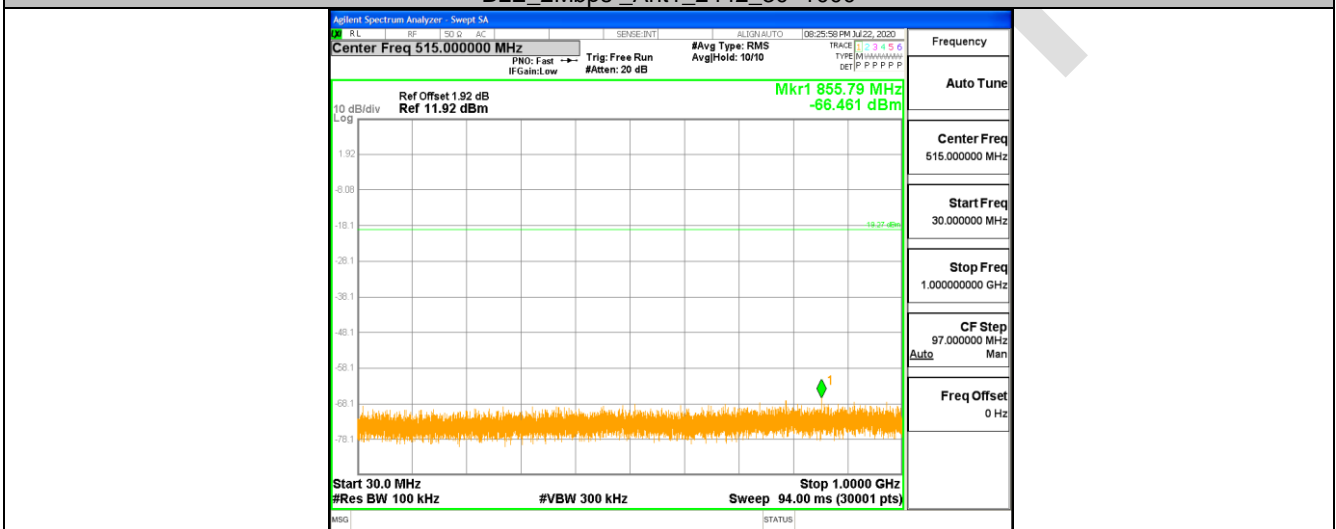
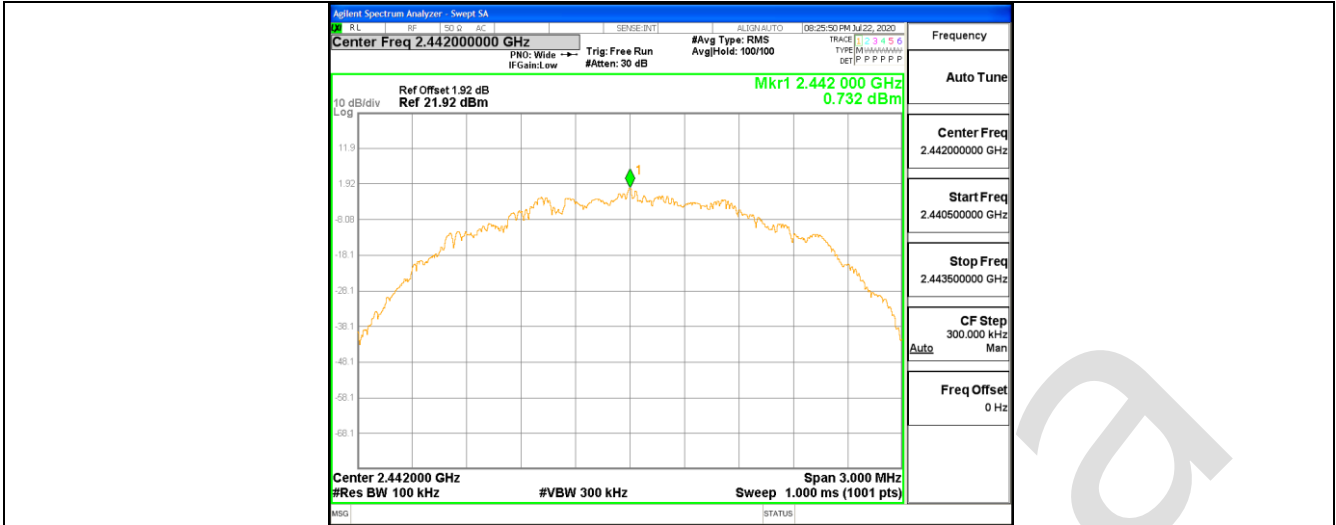
BLE_1Mbps_Ant1_2480_30-1000

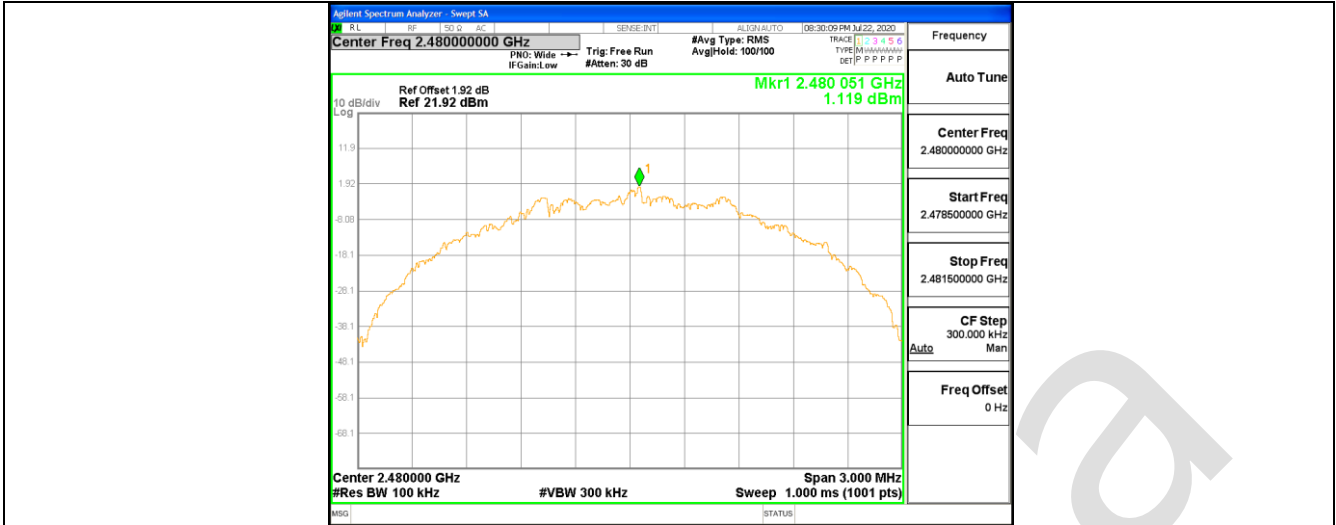


BLE_1Mbps_Ant1_2480_1000-26500

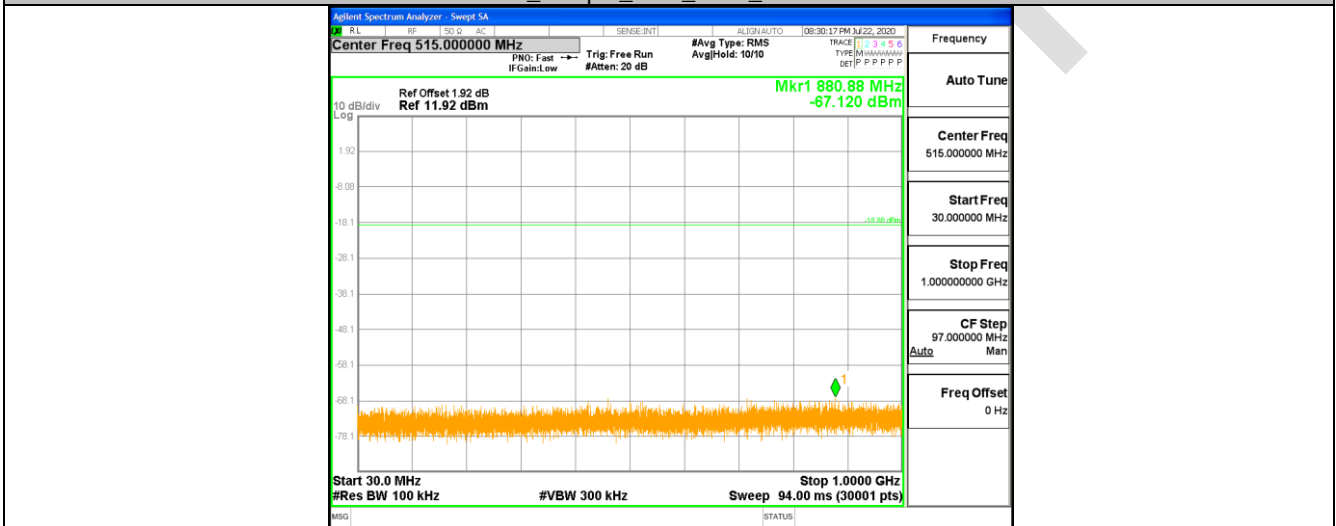




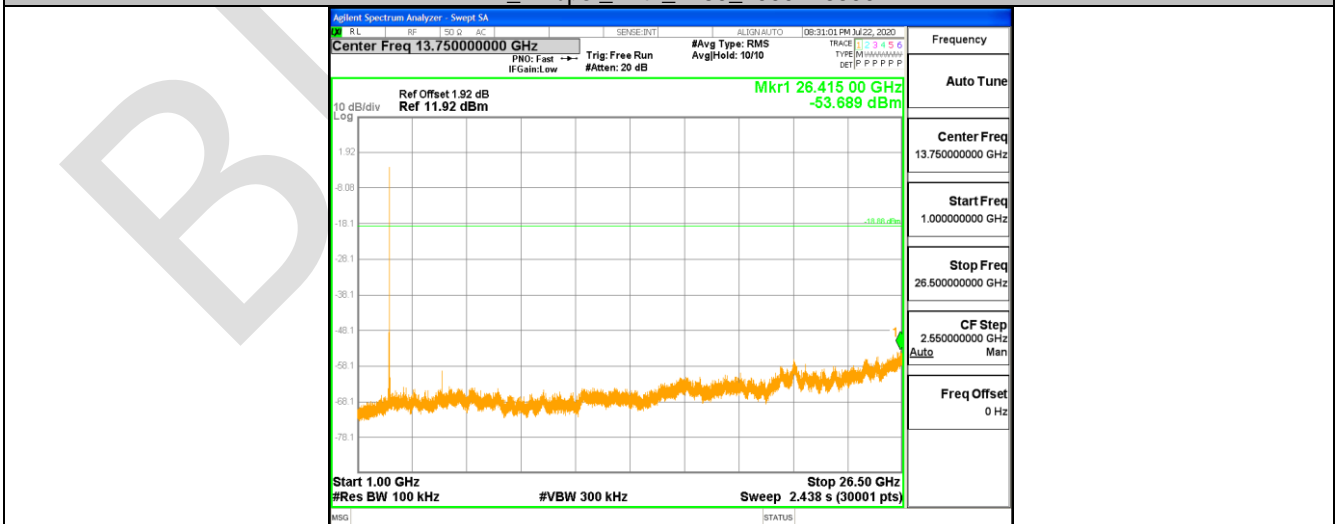




BLE 2Mbps_Ant1_2480_30~1000

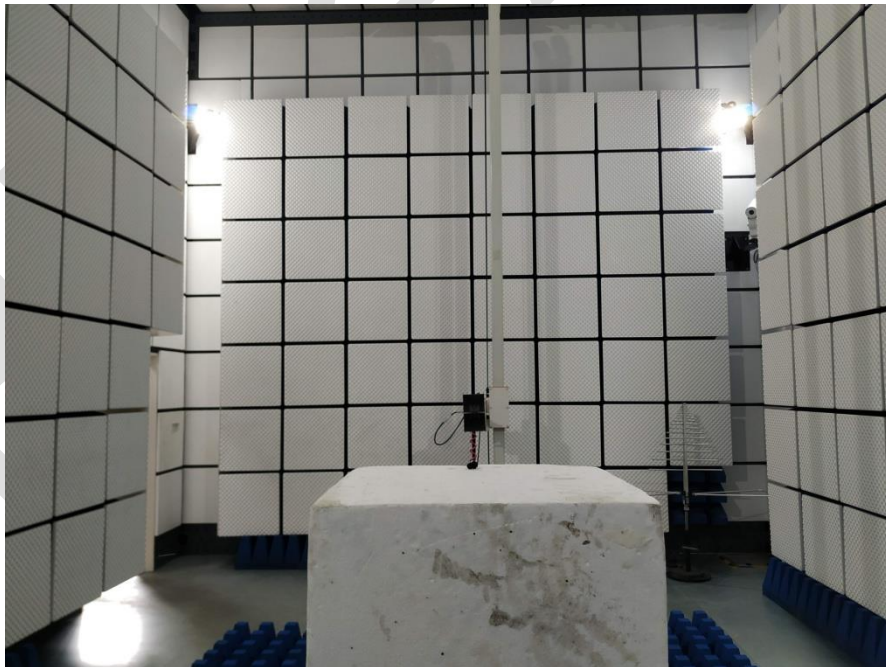


BLE 2Mbps_Ant1_2480_1000~26500



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Radiated Spurious Emissions



Conducted Emissions at AC Power Line (150kHz-30MHz)**APPENDIX B: PHOTOGRAPHS OF EUT**

Reference to the test report No. BLA-EMC-202007-A5101

----END OF REPORT----

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