

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.608	2401.780	2402.388	0.5	PASS
		2440	0.668	2439.744	2440.412	0.5	PASS
		2480	0.692	2479.748	2480.440	0.5	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



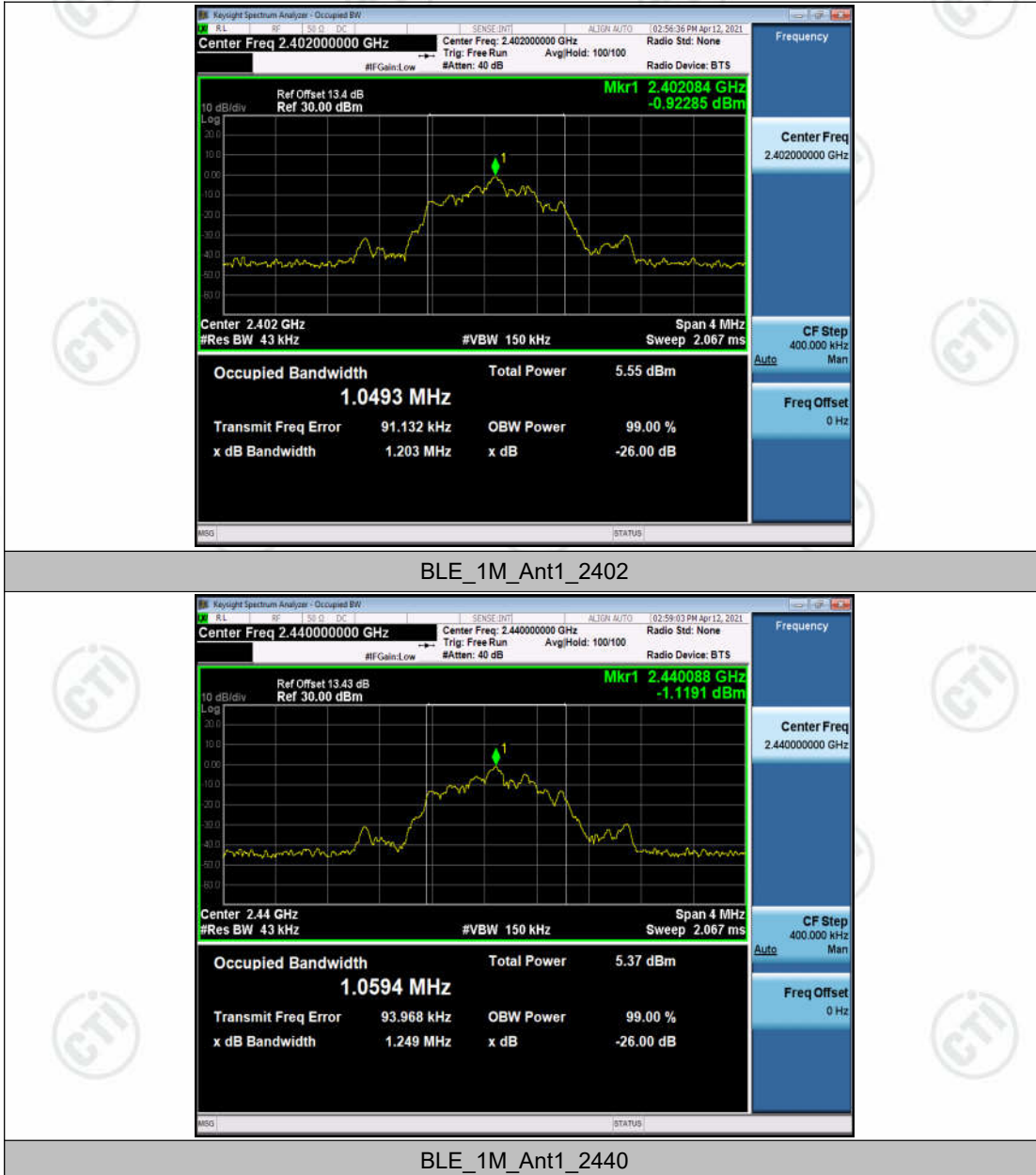
BLE_1M_Ant1_2480

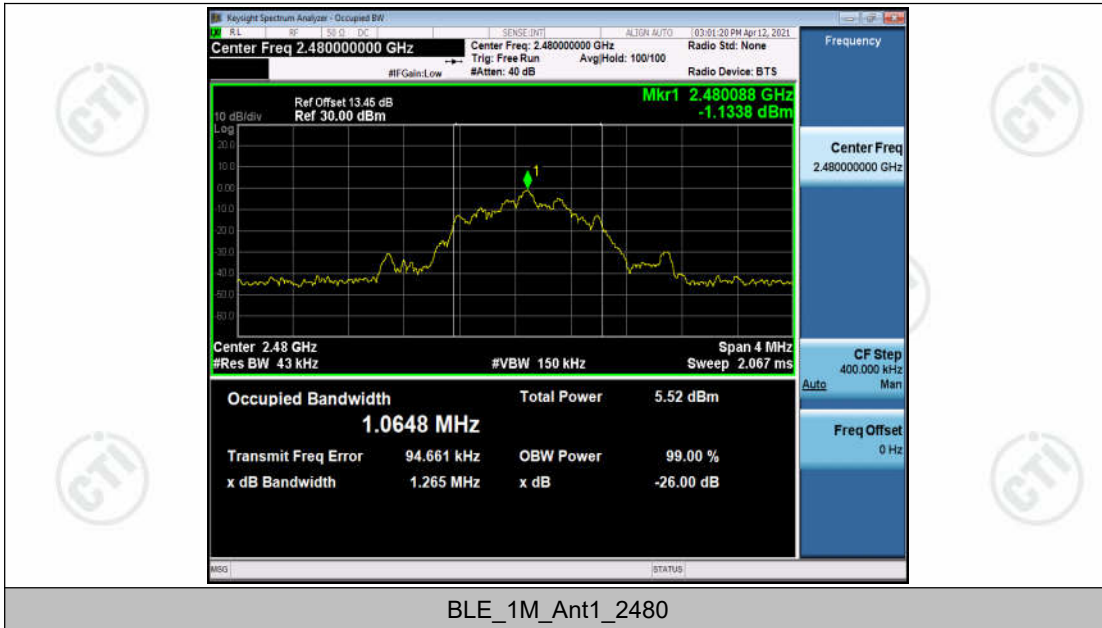
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0493	2401.566	2402.616	---	PASS
		2440	1.0594	2439.564	2440.624	---	PASS
		2480	1.0648	2479.562	2480.627	---	PASS

Test Graphs



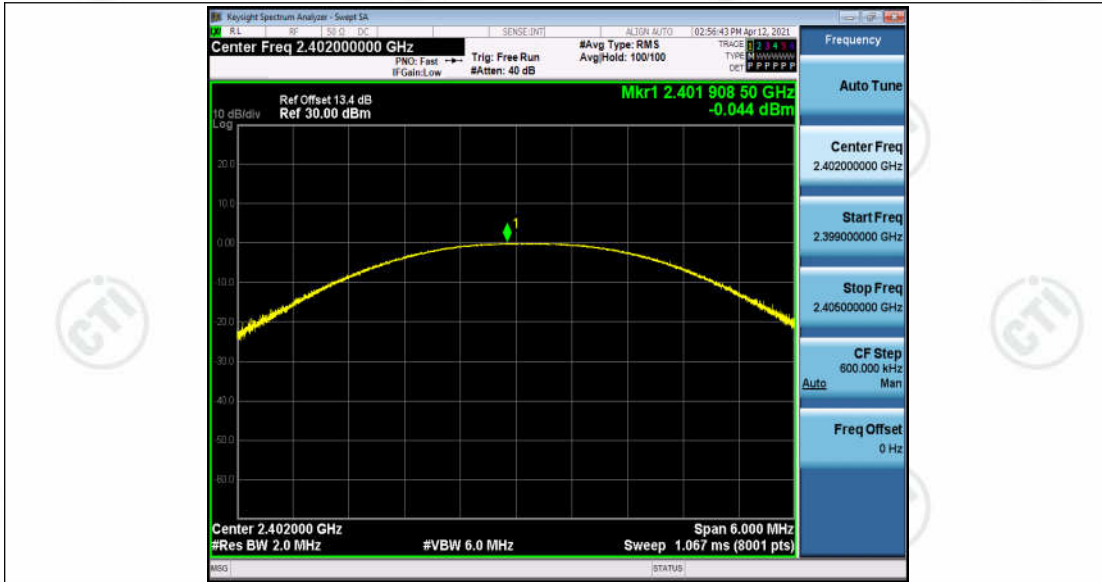


Appendix C: Maximum conducted output power

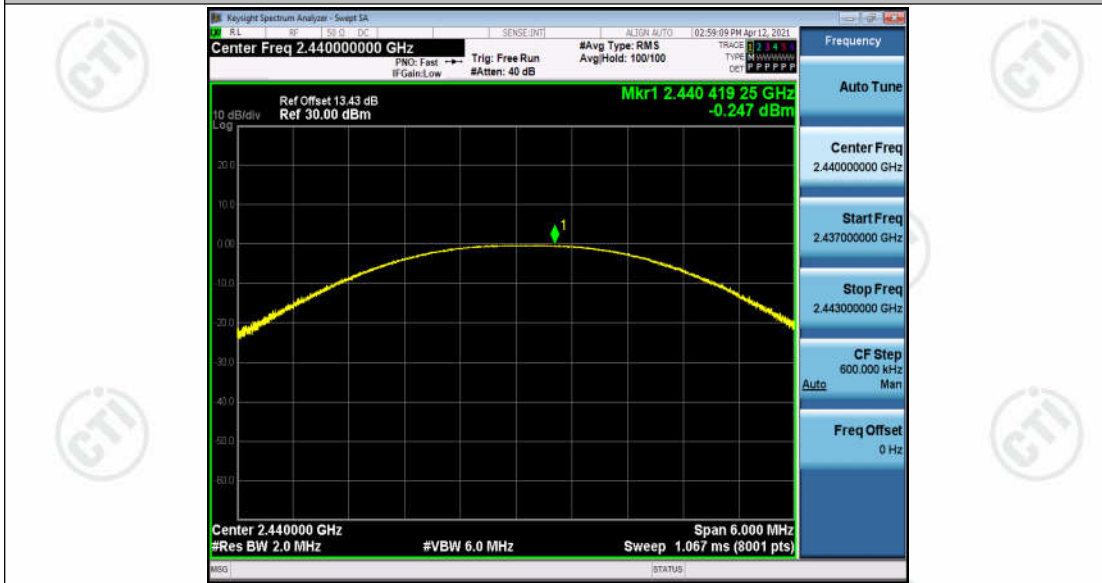
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.04	<=30	PASS
		2440	-0.25	<=30	PASS
		2480	-0.24	<=30	PASS

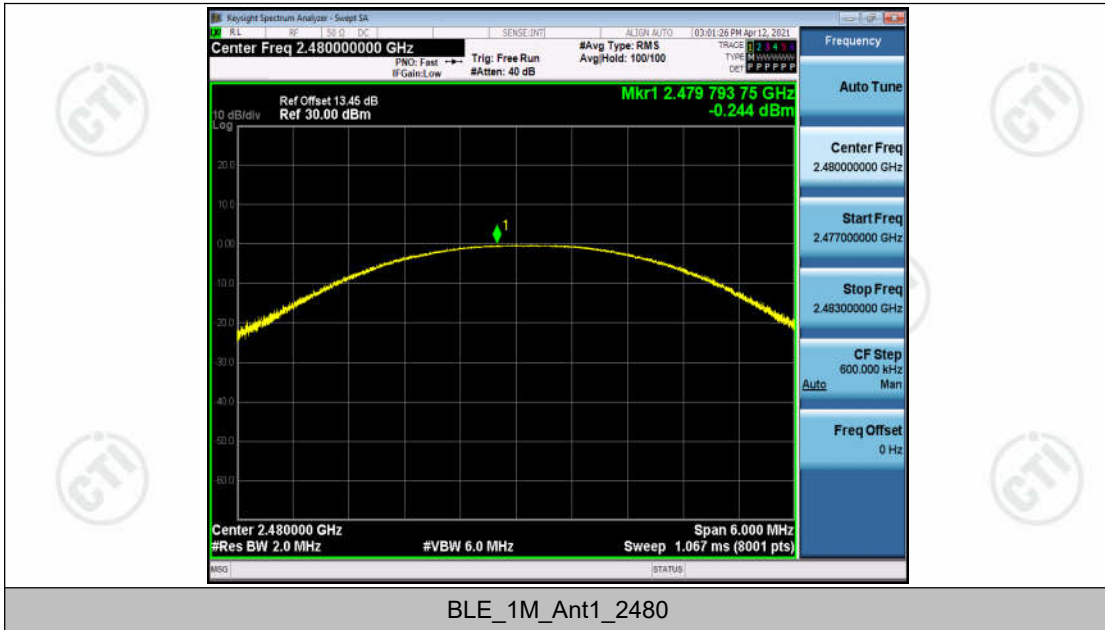
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1	<=8	PASS
		2440	-1.18	<=8	PASS
		2480	-1.2	<=8	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

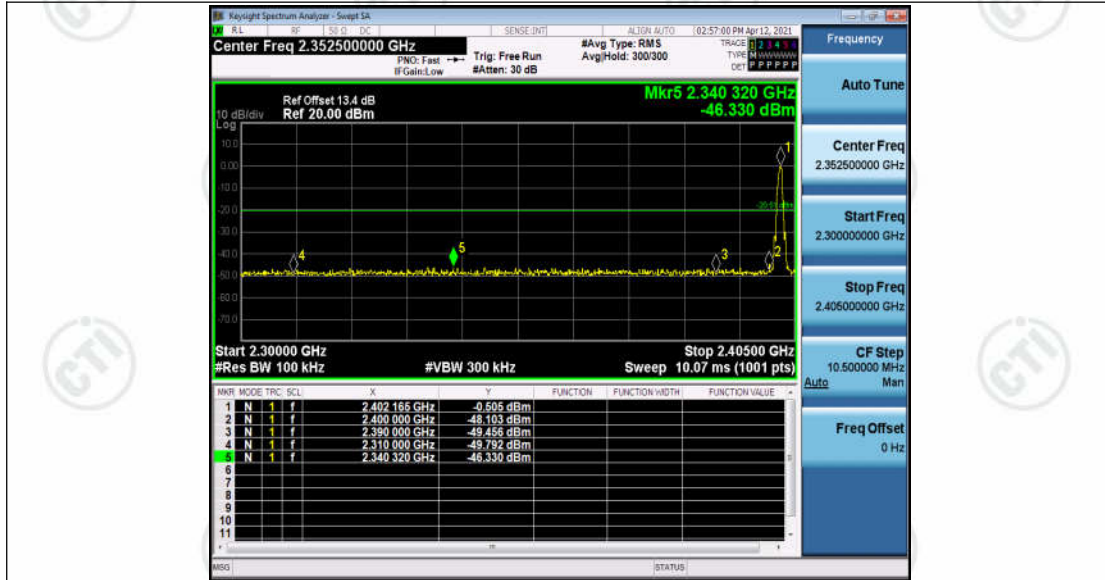


Appendix E: Band edge measurements

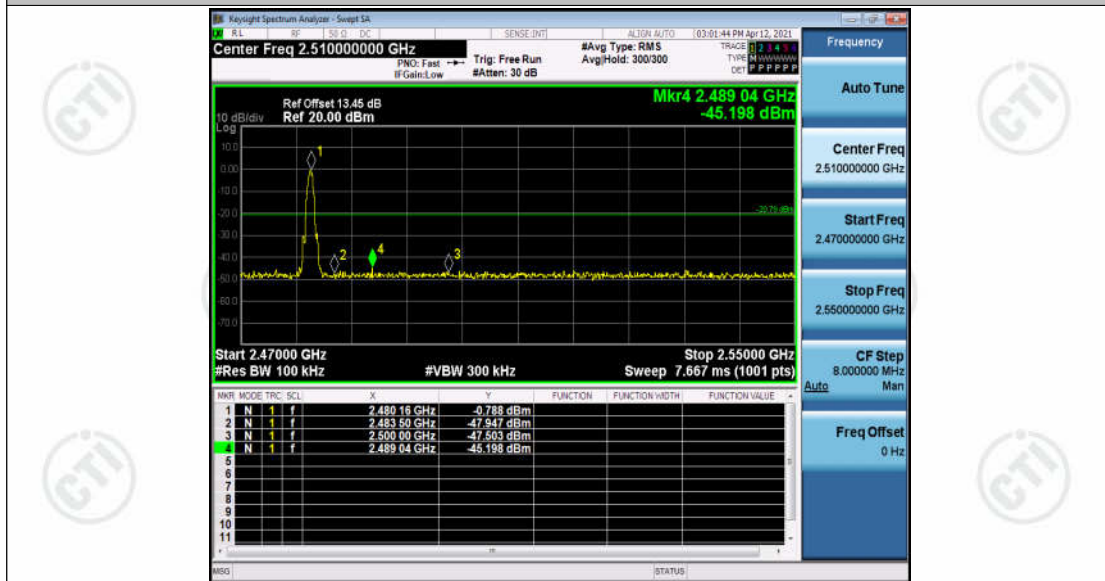
Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.51	-46.33	<=-20.51	PASS
		High	2480	-0.79	-45.2	<=-20.79	PASS

Test Graphs



BLE_1M_Ant1_Low_2402



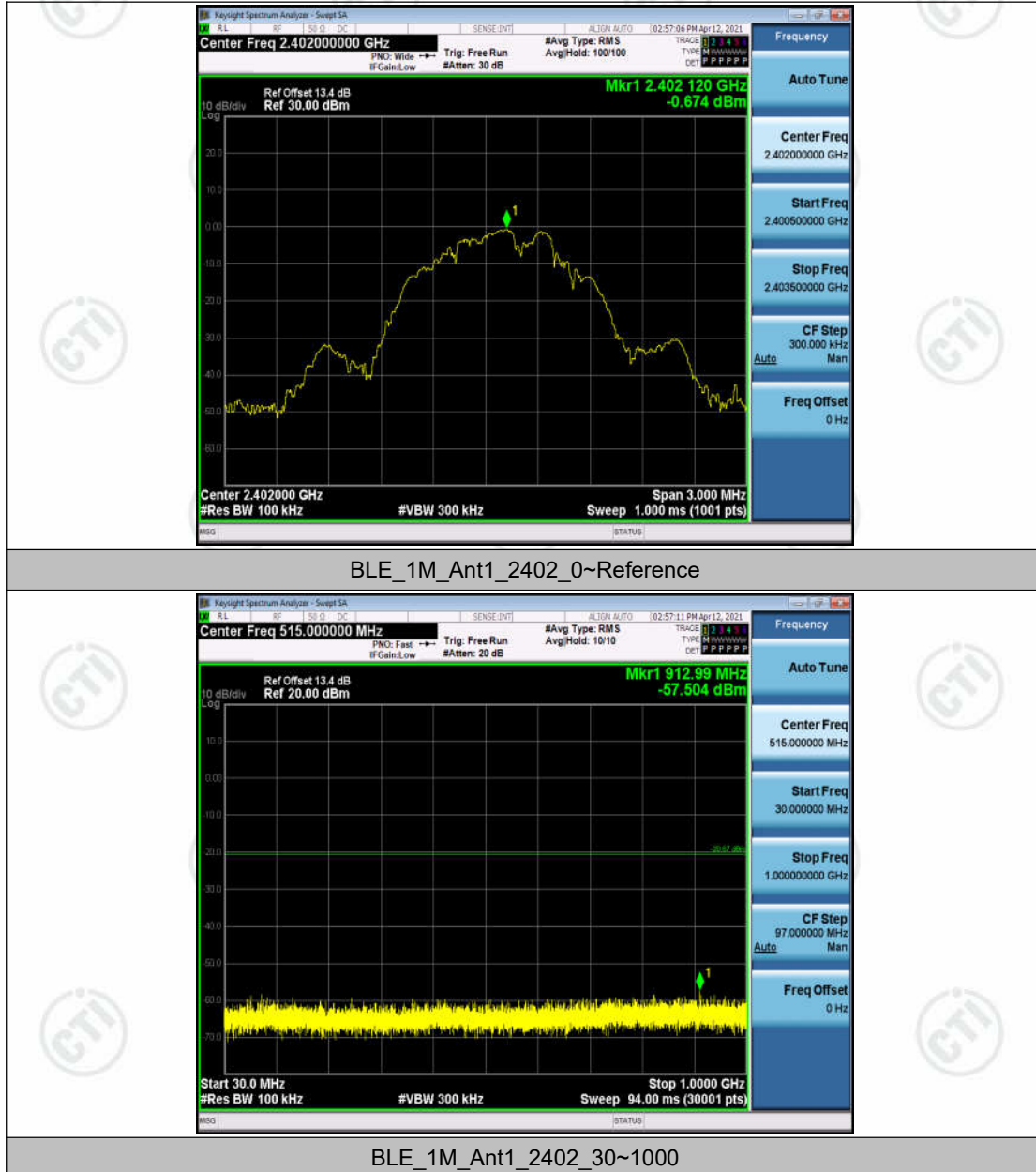
BLE_1M_Ant1_High_2480

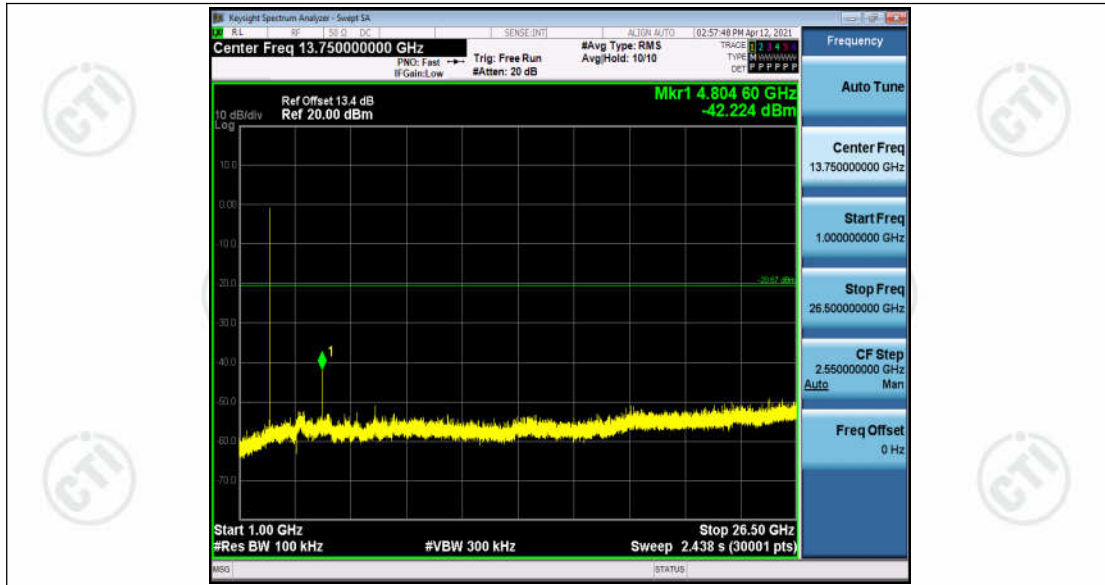
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.67	-0.67	---	PASS
			30~1000	30~1000	-57.504	<=-20.674	PASS
			1000~26500	1000~26500	-42.224	<=-20.674	PASS
		2440	Reference	-1.00	-1.00	---	PASS
			30~1000	30~1000	-57.407	<=-21.005	PASS
			1000~26500	1000~26500	-39.388	<=-21.005	PASS
		2480	Reference	-0.99	-0.99	---	PASS
			30~1000	30~1000	-57.463	<=-20.993	PASS
			1000~26500	1000~26500	-36.587	<=-20.993	PASS

Test Graphs

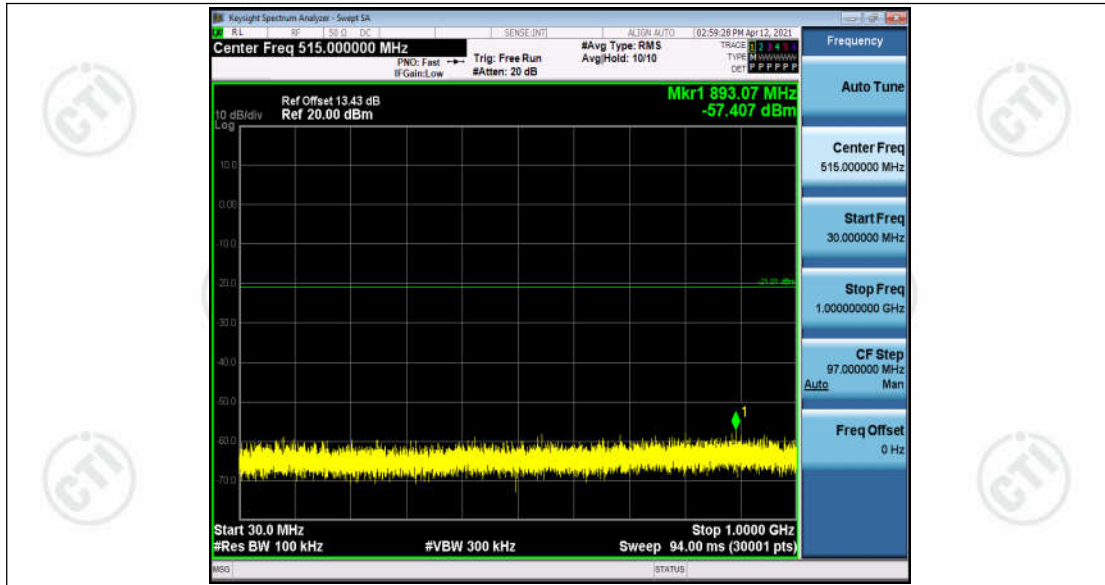




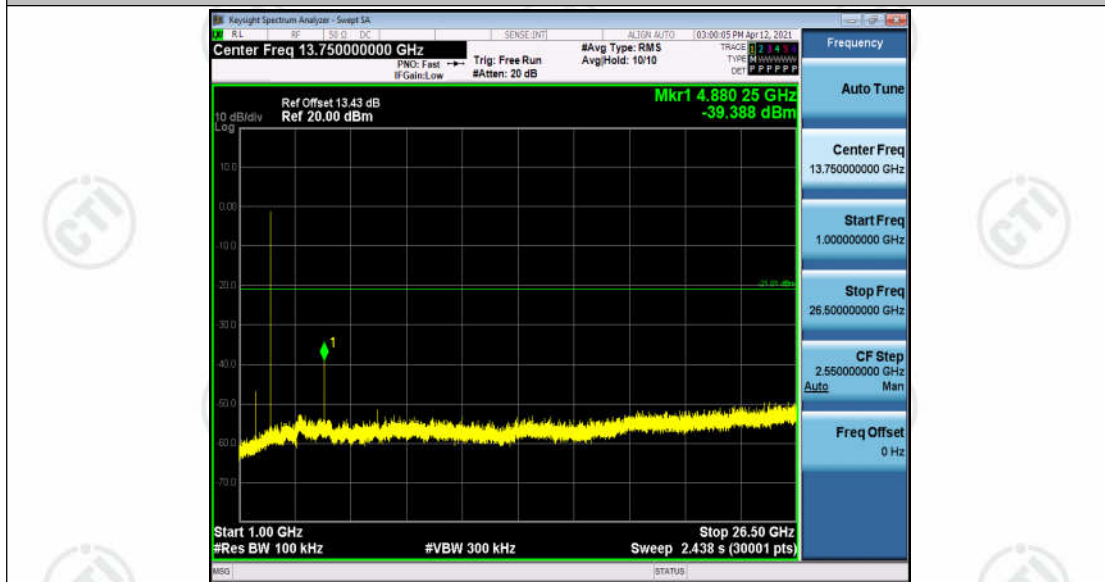
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



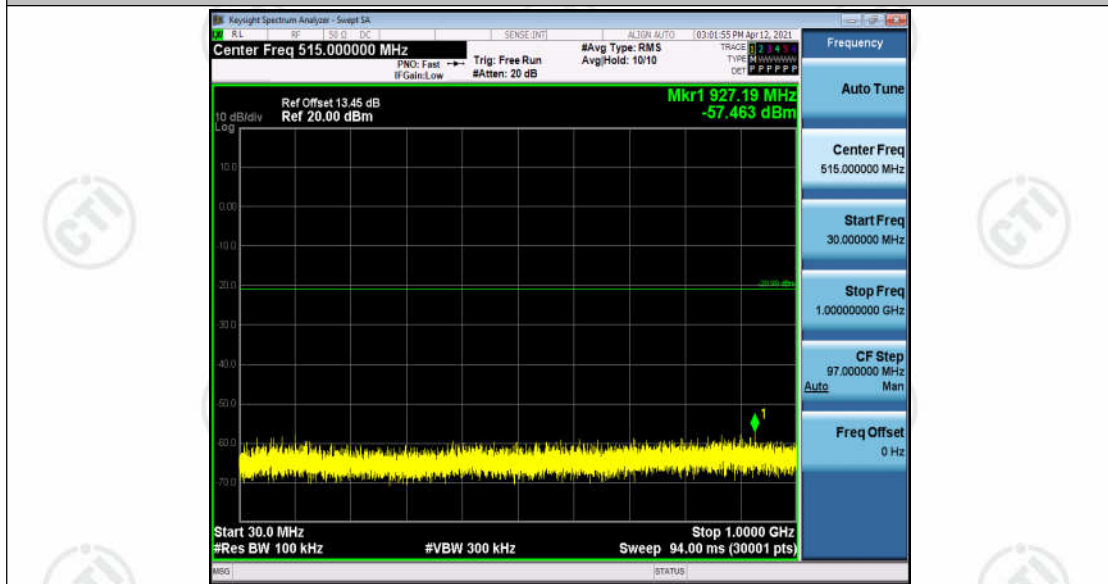
BLE_1M_Ant1_2440_30~1000



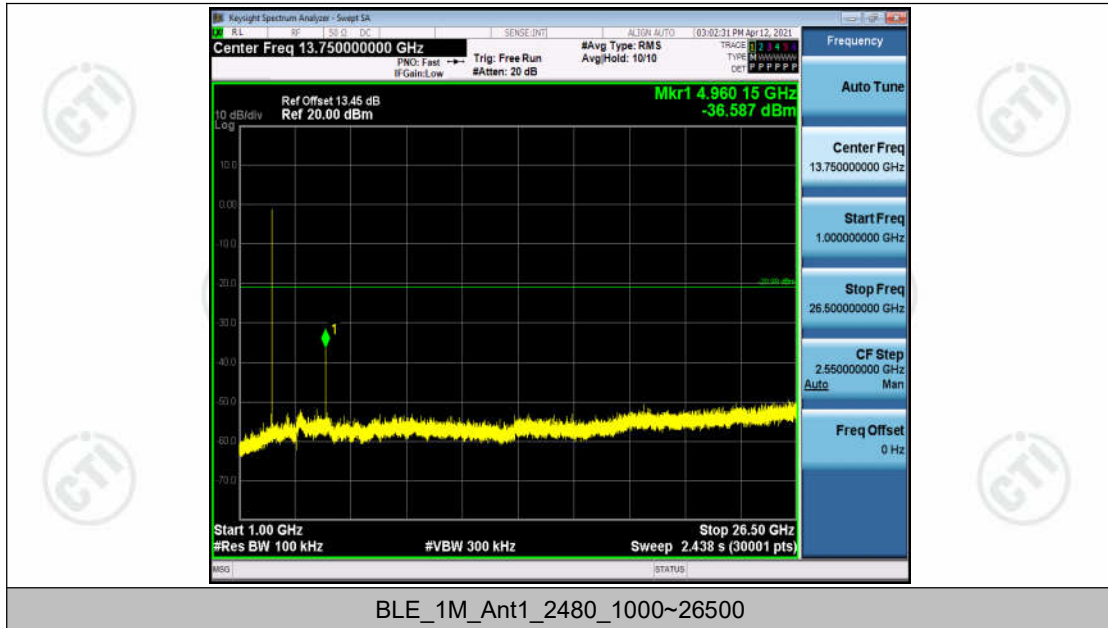
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

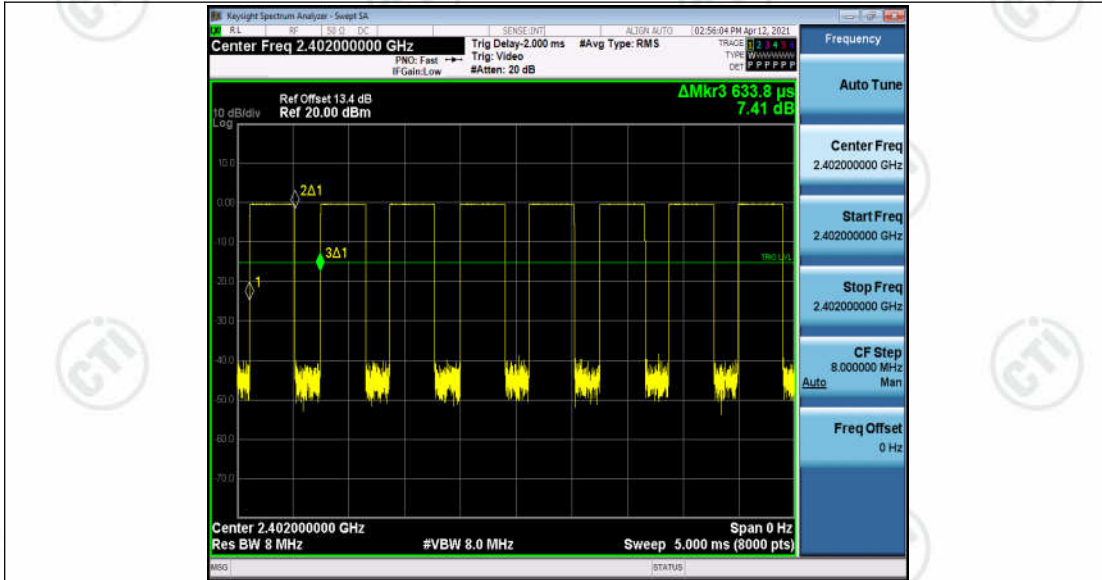


Appendix G: Duty Cycle

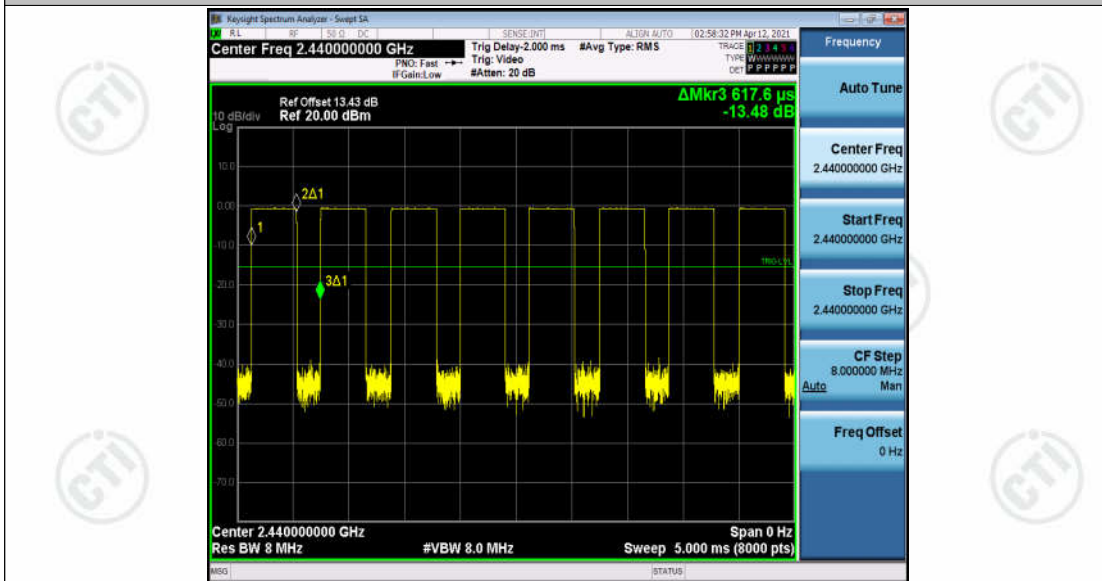
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	64.00	---	PASS
		2440	0.41	0.62	65.59	---	PASS
		2480	0.41	0.62	65.69	---	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

