

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	Ant1	2402	0.692	2401.752	2402.444	0.5	PASS
		2440	0.688	2439.760	2440.448	0.5	PASS
		2480	0.688	2479.748	2480.436	0.5	PASS

Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0467	2401.577	2402.624	---	PASS
		2440	1.0452	2439.580	2440.626	---	PASS
		2480	1.0472	2479.578	2480.625	---	PASS

Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



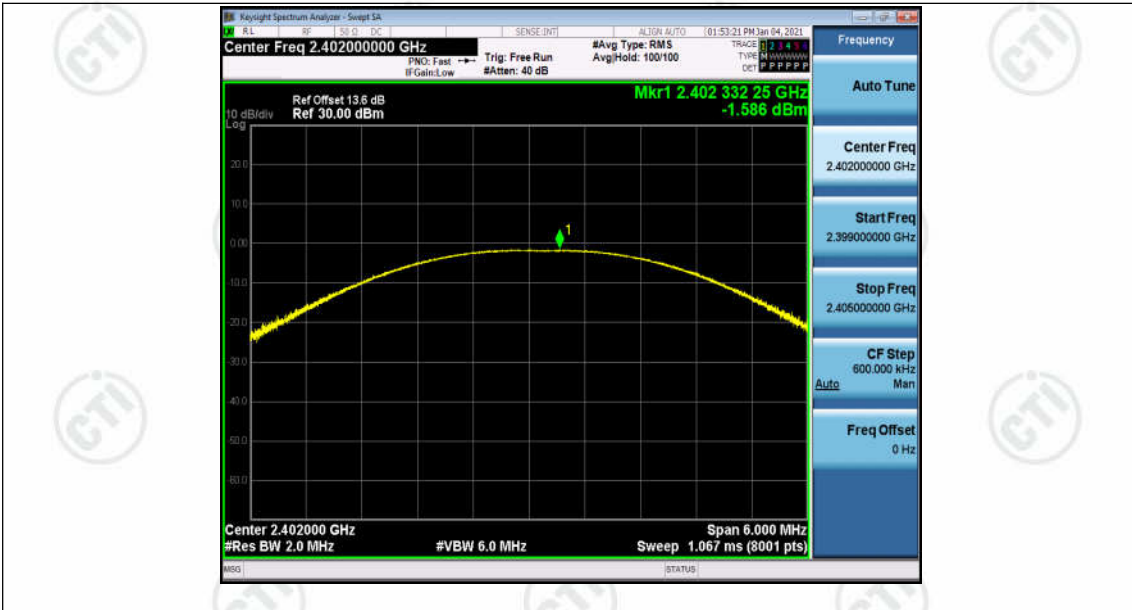
BLE_Ant1_2480

Appendix C: Maximum Conducted Output Power

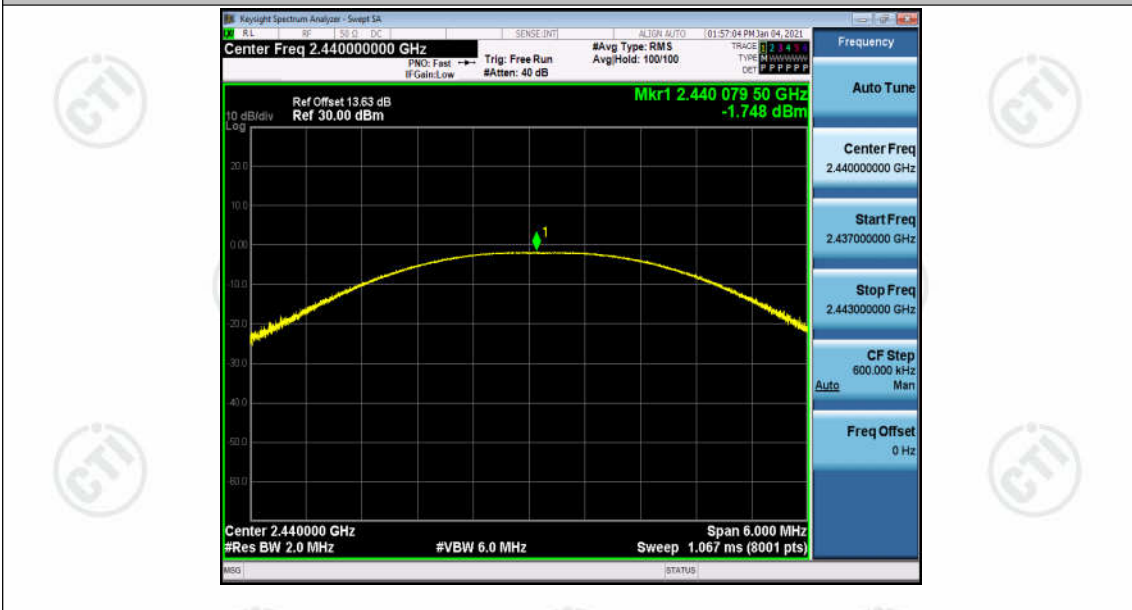
Test Result

Test Mode	Antenna	Channel	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	-1.59	<=30	PASS
		2440	-1.75	<=30	PASS
		2480	-1.78	<=30	PASS

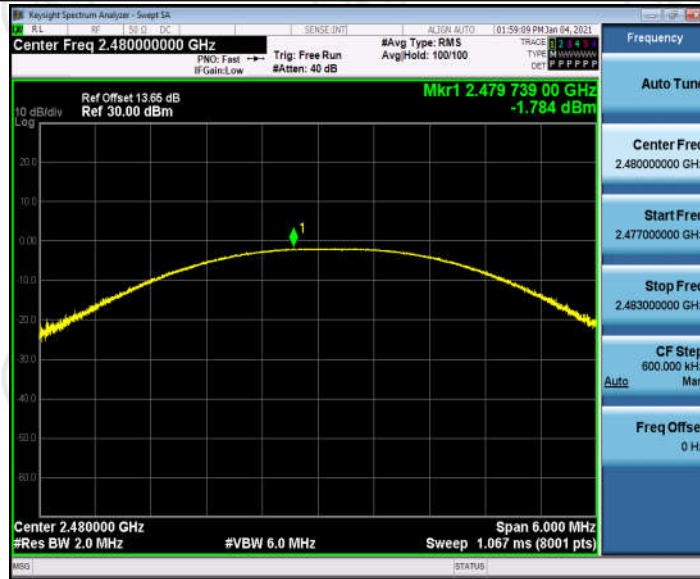
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



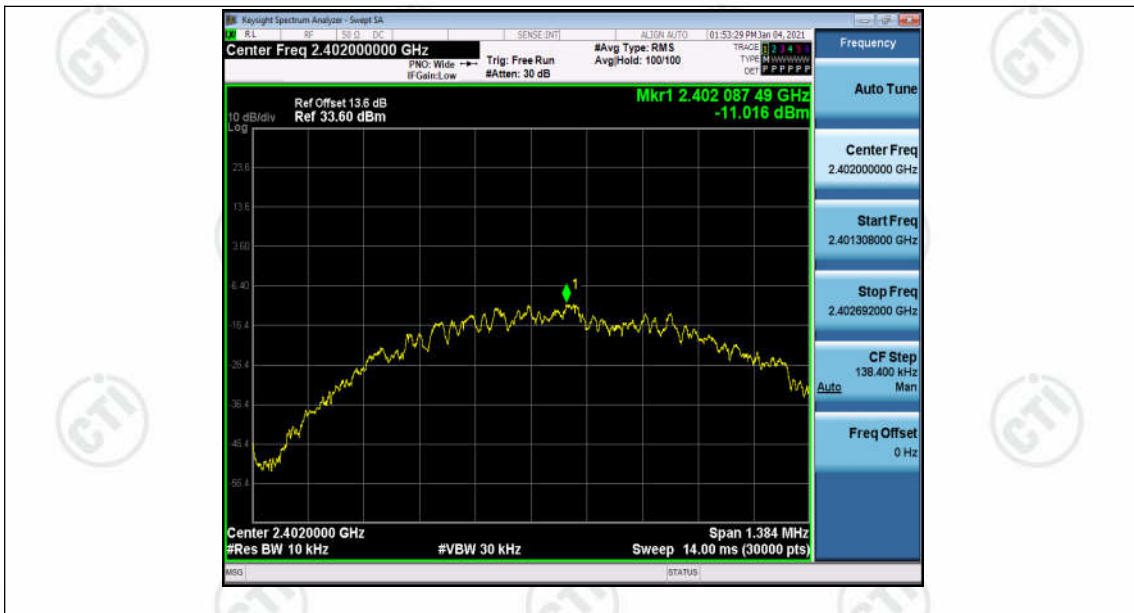
BLE_Ant1_2480

Appendix D: Maximum Power Spectral Density

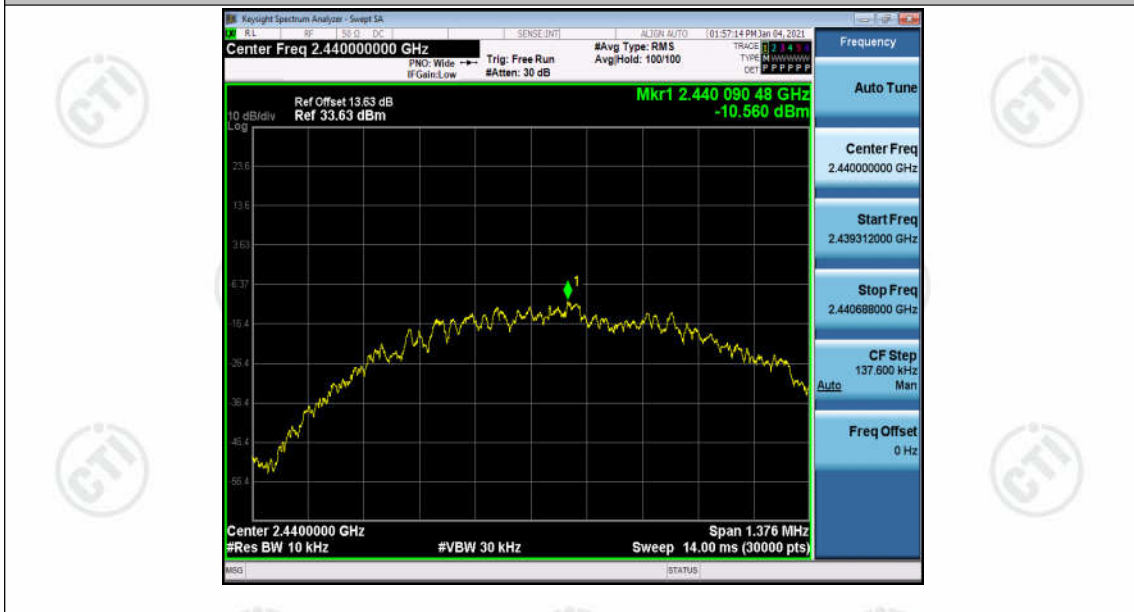
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.02	≤ 8	PASS
		2440	-10.56	≤ 8	PASS
		2480	-10.35	≤ 8	PASS

Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



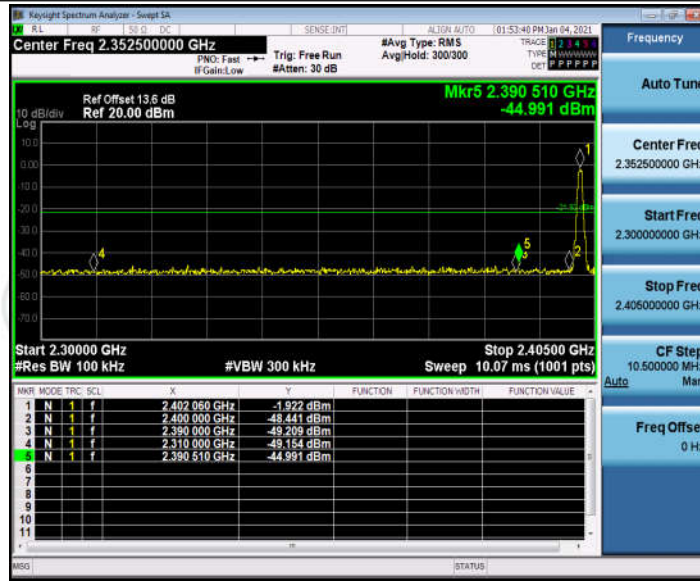
BLE_Ant1_2480

Appendix E:Band Edge Measurements

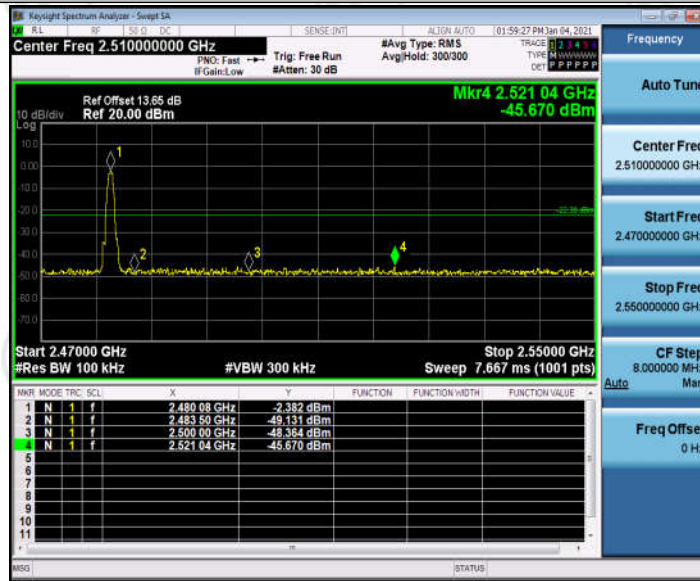
Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	Low	2402	-1.92	-44.99	<=-21.92	PASS
		High	2480	-2.38	-45.67	<=-22.38	PASS

Test Graphs



BLE_Ant1_Low_2402



BLE_Ant1_High_2480

Appendix F: Conducted Spurious Emission

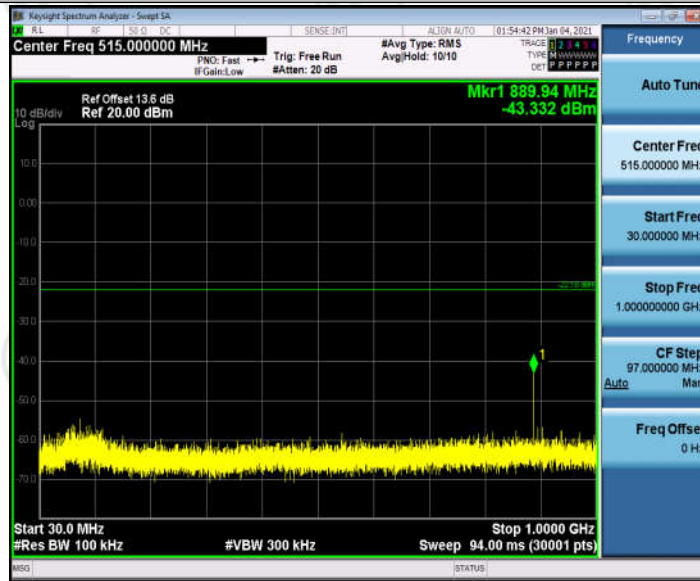
Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	Reference	-2.18	-2.18	---	PASS
			30~1000	30~1000	-43.332	<=-22.176	PASS
			1000~26500	1000~26500	-46.223	<=-22.176	PASS
		2440	Reference	-2.47	-2.47	---	PASS
			30~1000	30~1000	-47.276	<=-22.469	PASS
			1000~26500	1000~26500	-47.395	<=-22.469	PASS
		2480	Reference	-2.52	-2.52	---	PASS
			30~1000	30~1000	-53.526	<=-22.523	PASS
			1000~26500	1000~26500	-49.364	<=-22.523	PASS

Test Graphs



BLE_Ant1_2402_0~Reference



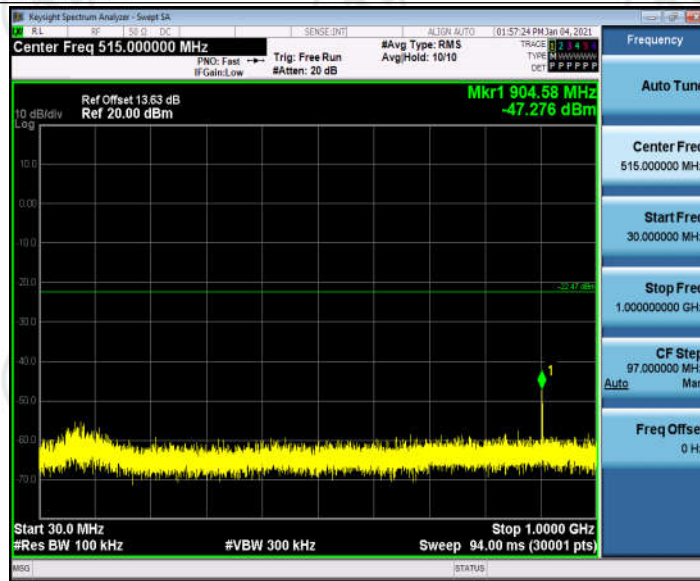
BLE_Ant1_2402_30~1000



BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



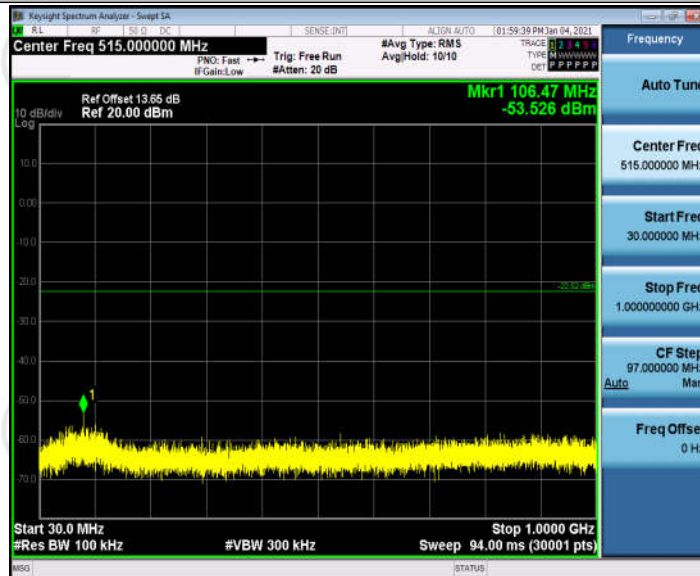
BLE_Ant1_2440_30~1000



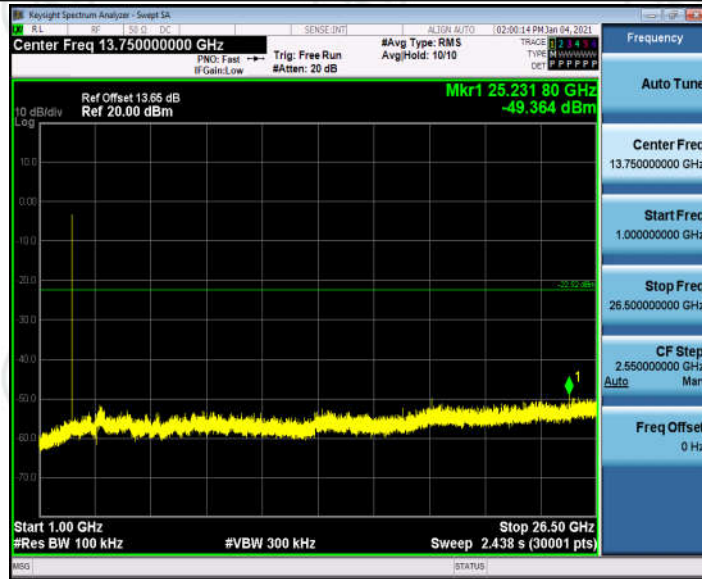
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



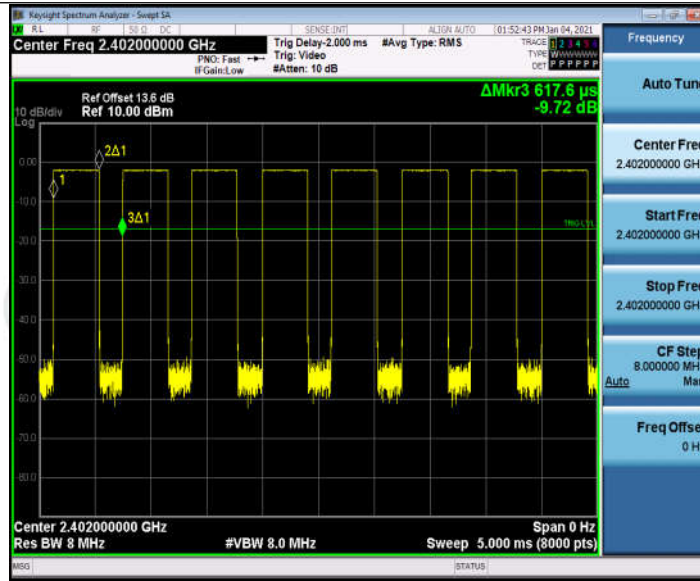
BLE_Ant1_2480_1000~26500

Appendix G: Duty Cycle

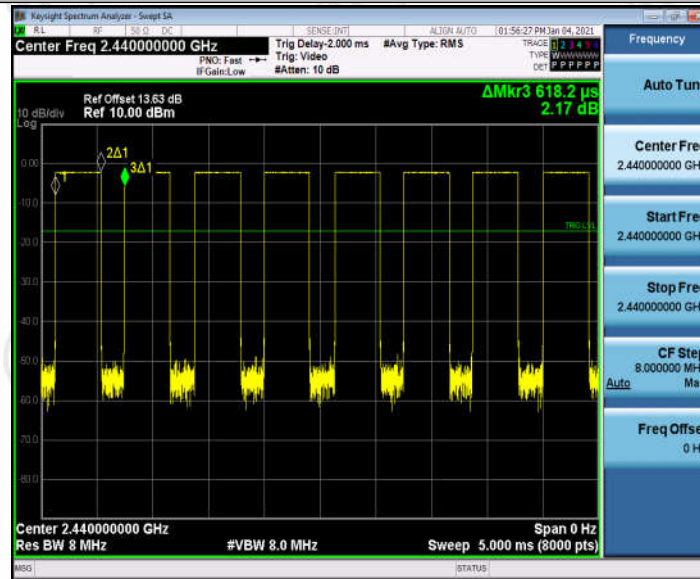
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.41	0.62	65.69	---	PASS
		2440	0.41	0.62	65.52	---	PASS
		2480	0.41	0.62	65.59	---	PASS

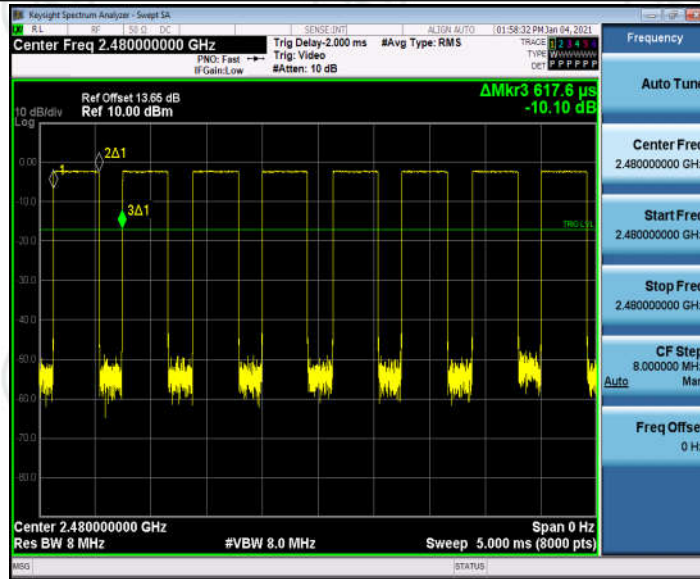
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480