

Appendix : Test Data of Bluetooth LE

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AppendixA: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.730	2401.620	2402.350	0.5	PASS
		2440	0.738	2439.614	2440.352	0.5	PASS
		2480	0.728	2479.626	2480.354	0.5	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

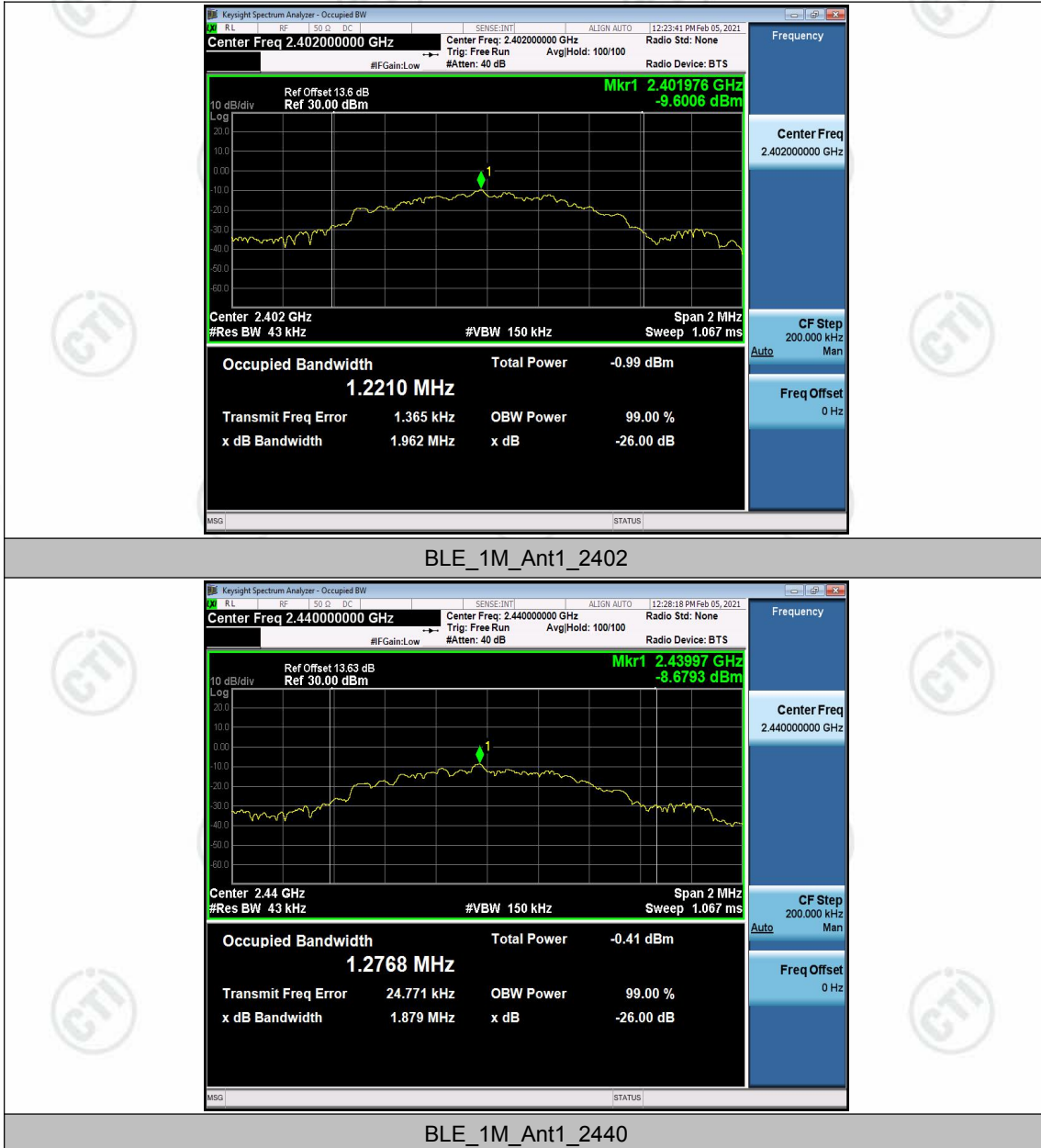


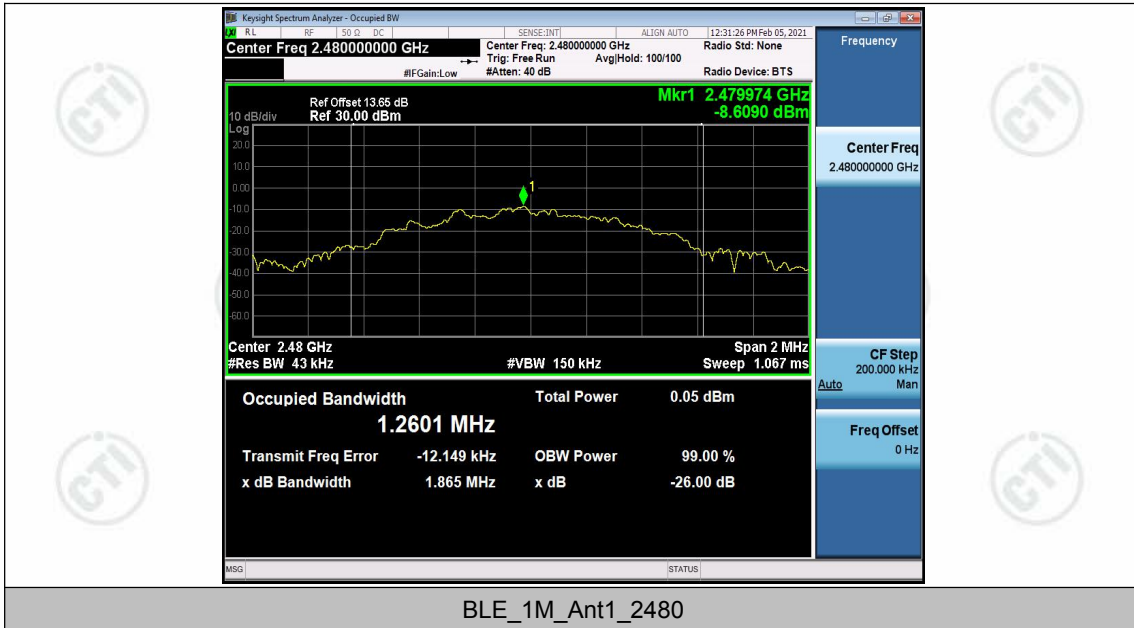
AppendixB: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.2210	2401.391	2402.612	---	PASS
		2440	1.2768	2439.386	2440.663	---	PASS
		2480	1.2601	2479.358	2480.618	---	PASS

Test Graphs





AppendixC: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.59	<=30	PASS
		2440	-5.99	<=30	PASS
		2480	-5.64	<=30	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



AppendixD: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.58	<=8	PASS
		2440	-15.21	<=8	PASS
		2480	-14.65	<=8	PASS

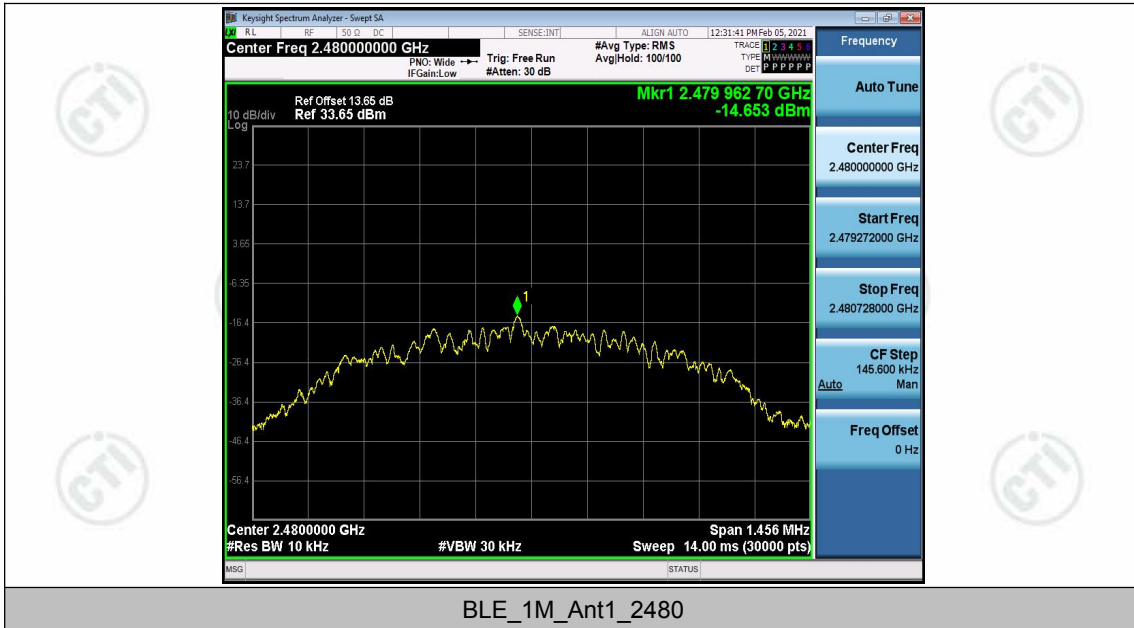
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

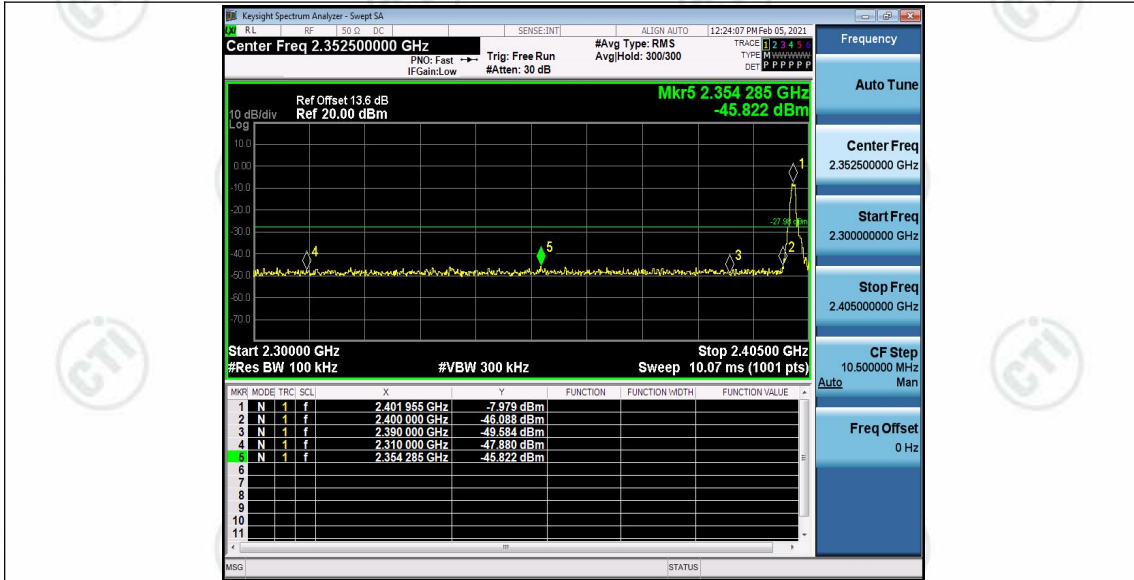


AppendixE:Band edge measurements

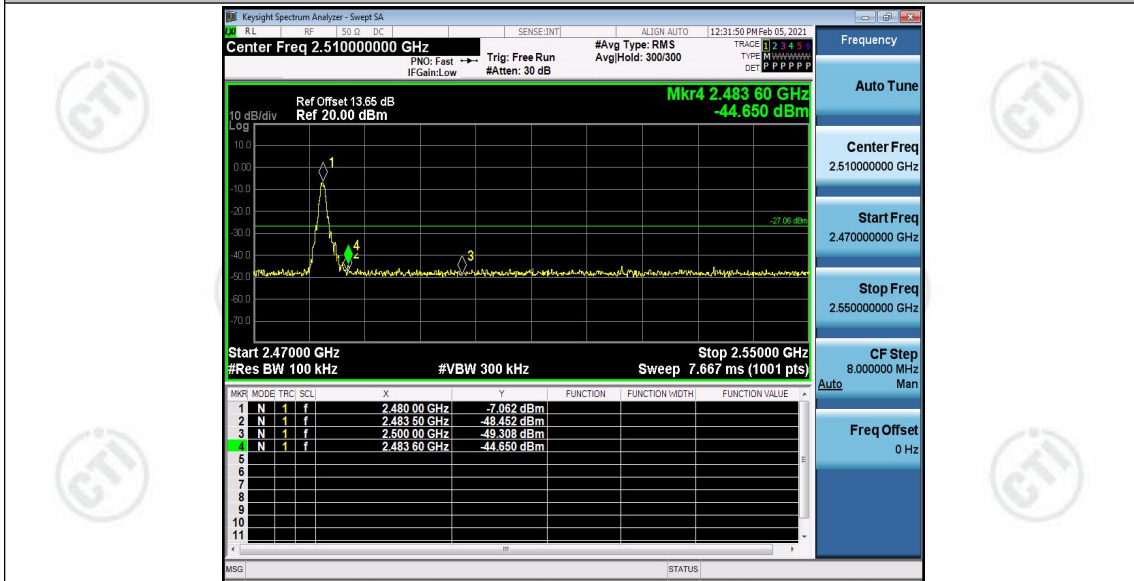
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.98	-45.82	<=-27.98	PASS
		High	2480	-7.06	-44.65	<=-27.06	PASS

Test Graphs



BLE_1M_Ant1_Low_2402



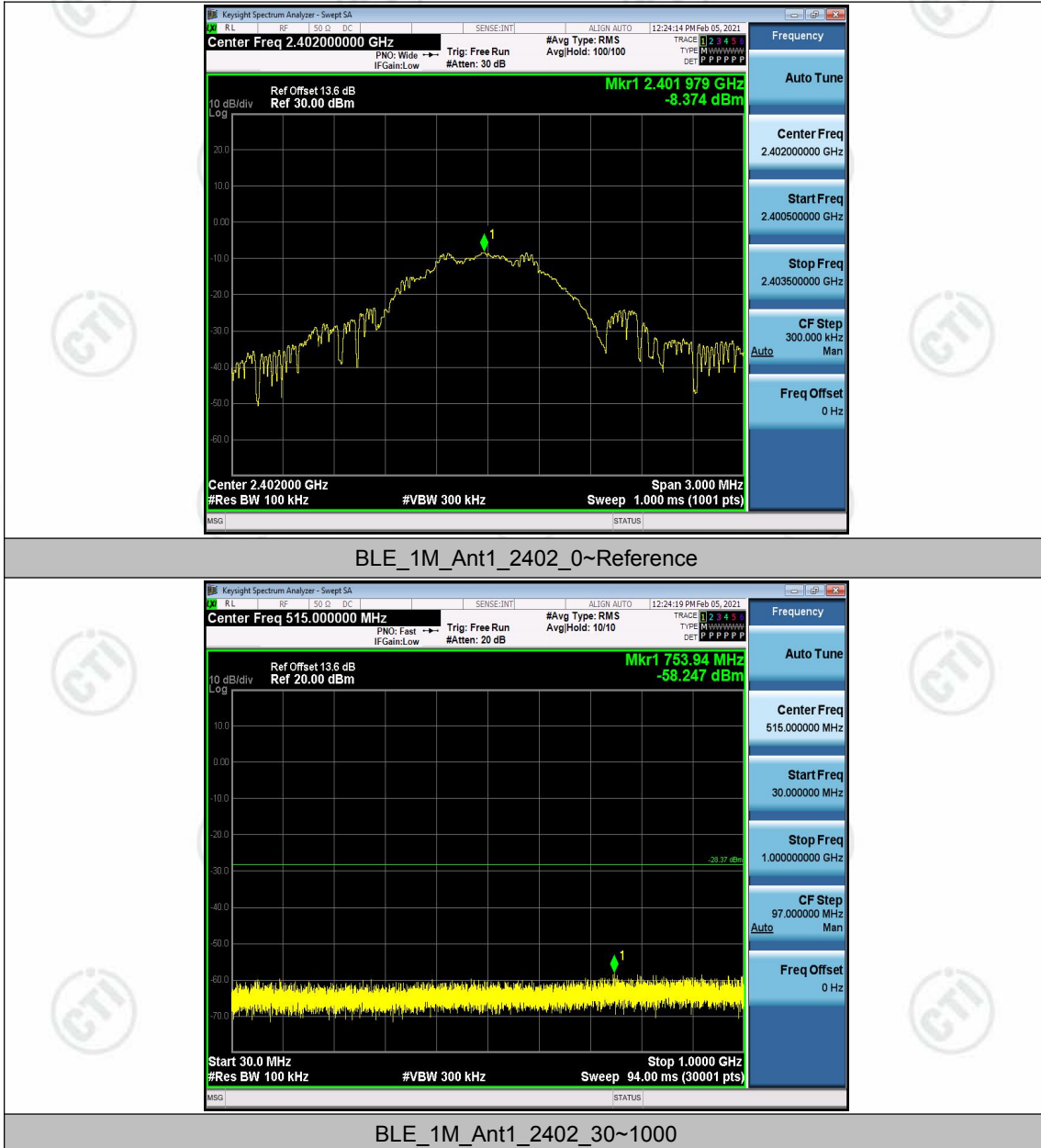
BLE_1M_Ant1_High_2480

Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-8.37	-8.37	---	PASS
			30~1000	30~1000	-58.247	<=-28.374	PASS
			1000~2650 0	1000~26500	-48.392	<=-28.374	PASS
		2440	Reference	-7.91	-7.91	---	PASS
			30~1000	30~1000	-57.661	<=-27.91	PASS
			1000~2650 0	1000~26500	-48.448	<=-27.91	PASS
		2480	Reference	-7.49	-7.49	---	PASS
			30~1000	30~1000	-58.108	<=-27.488	PASS
			1000~2650 0	1000~26500	-48.862	<=-27.488	PASS

Test Graphs

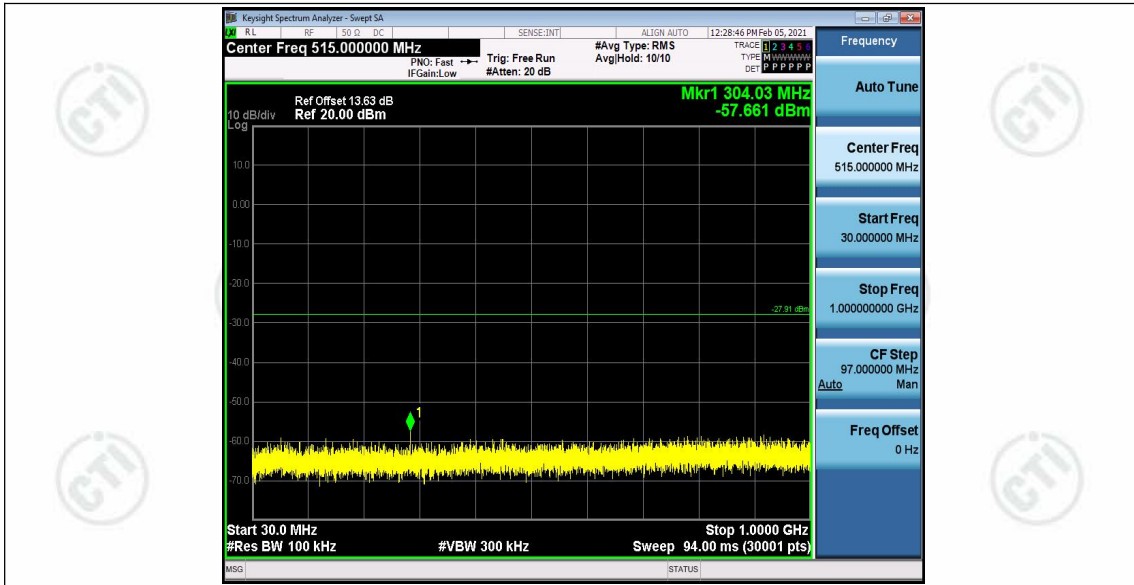




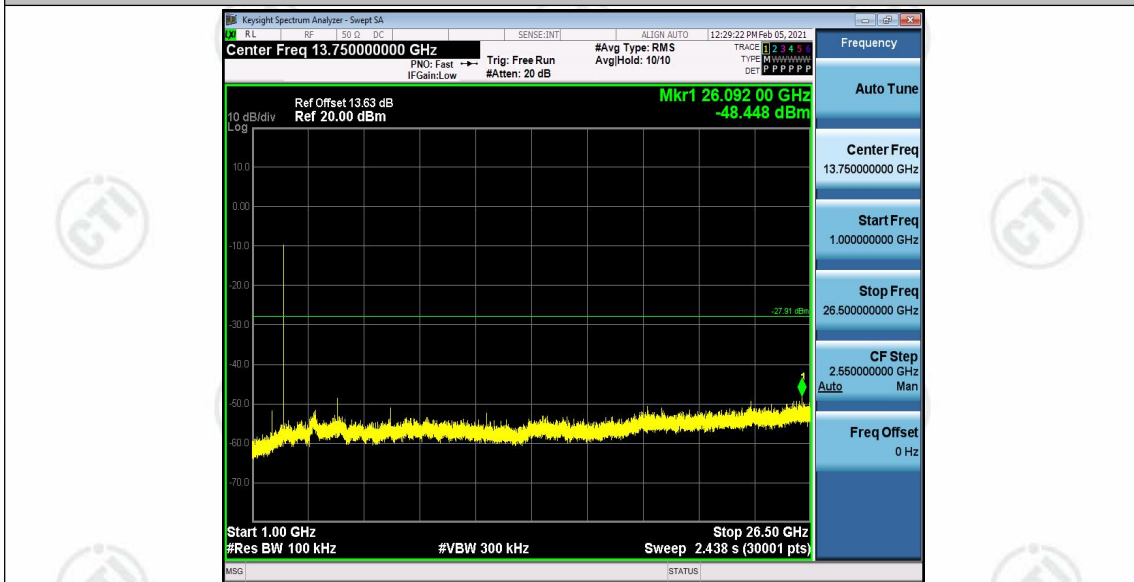
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



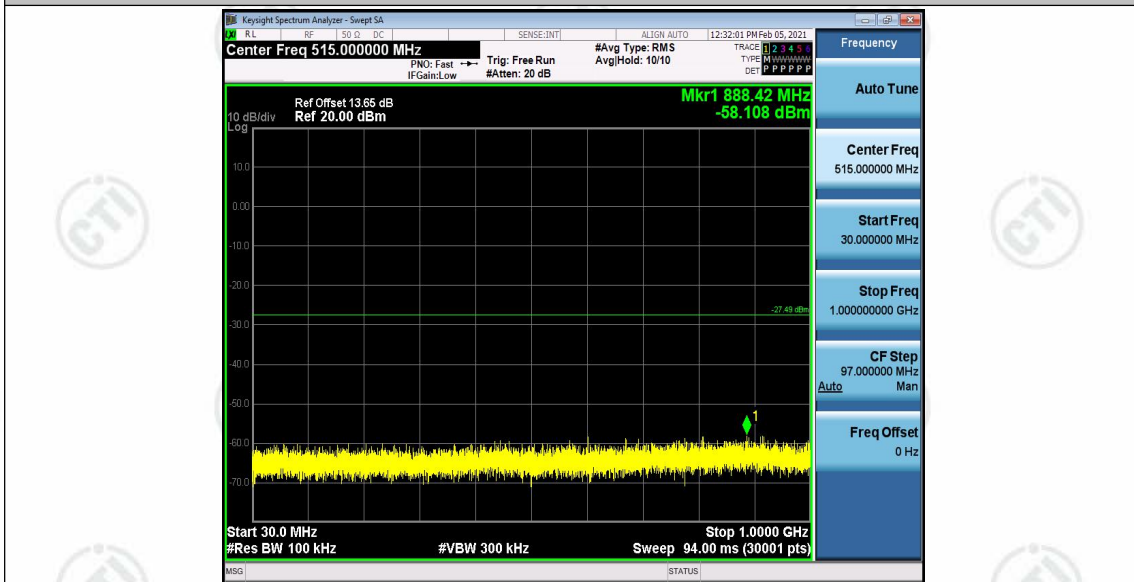
BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

