

Appendix A

RF Test Data for BT(BLE) (Conducted Measurement)

Product Name: Remote Control

Trade Mark: N/A

Test Model: WH-6255

FCC ID: H8N-WH6136

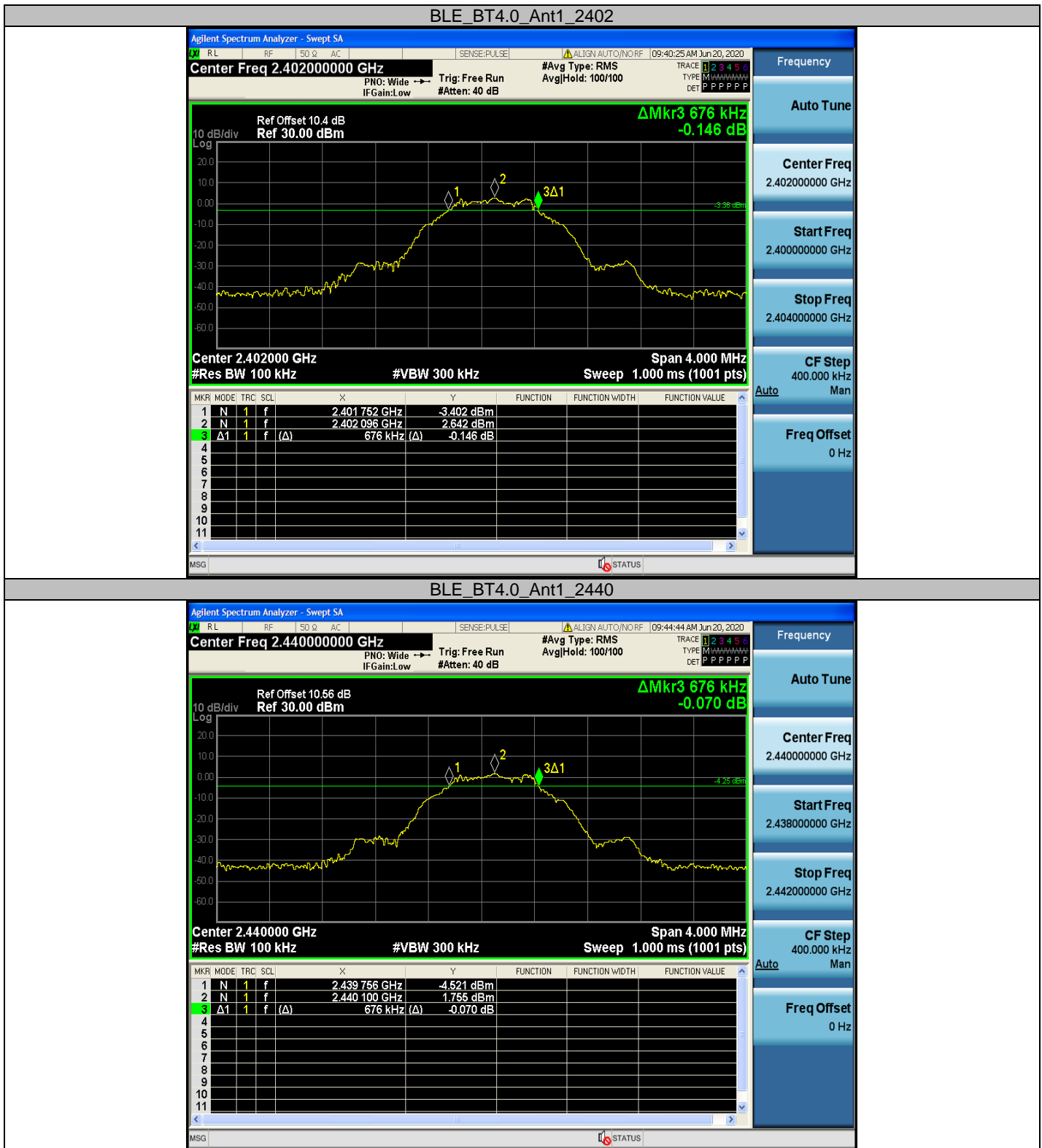
Environmental Conditions

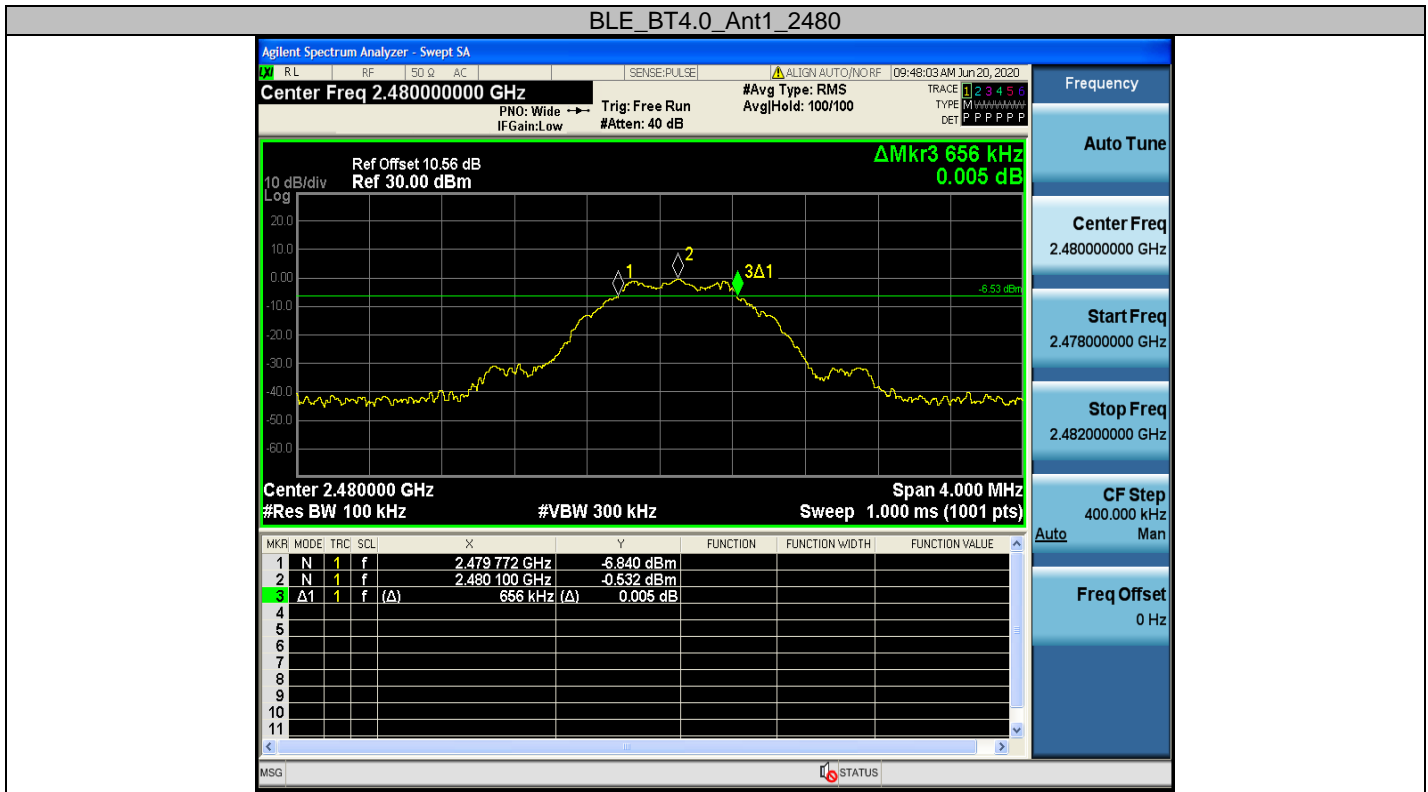
Temperature:	23.7° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen
NOTE	N/A

A.1.6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.676	2401.752	2402.428	0.5	PASS
		2440	0.676	2439.756	2440.432	0.5	PASS
		2480	0.656	2479.772	2480.428	0.5	PASS

Test Graphs



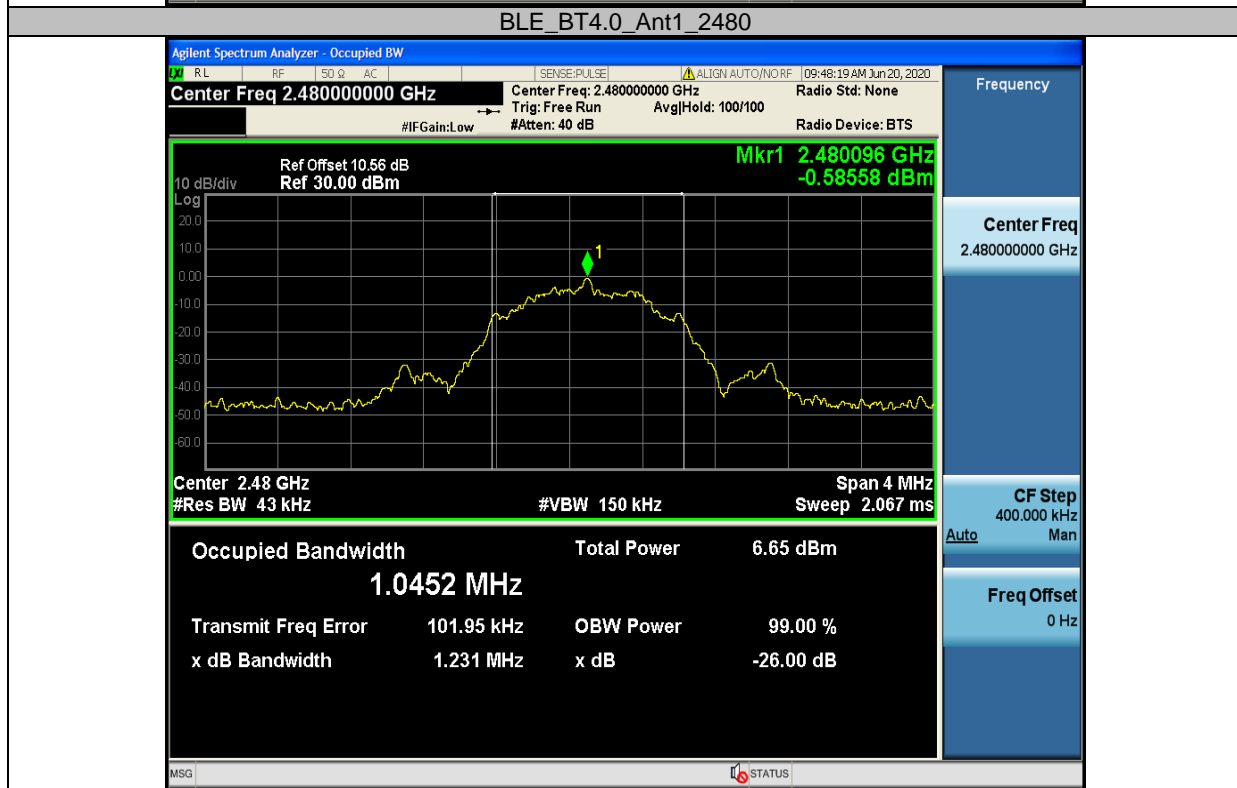
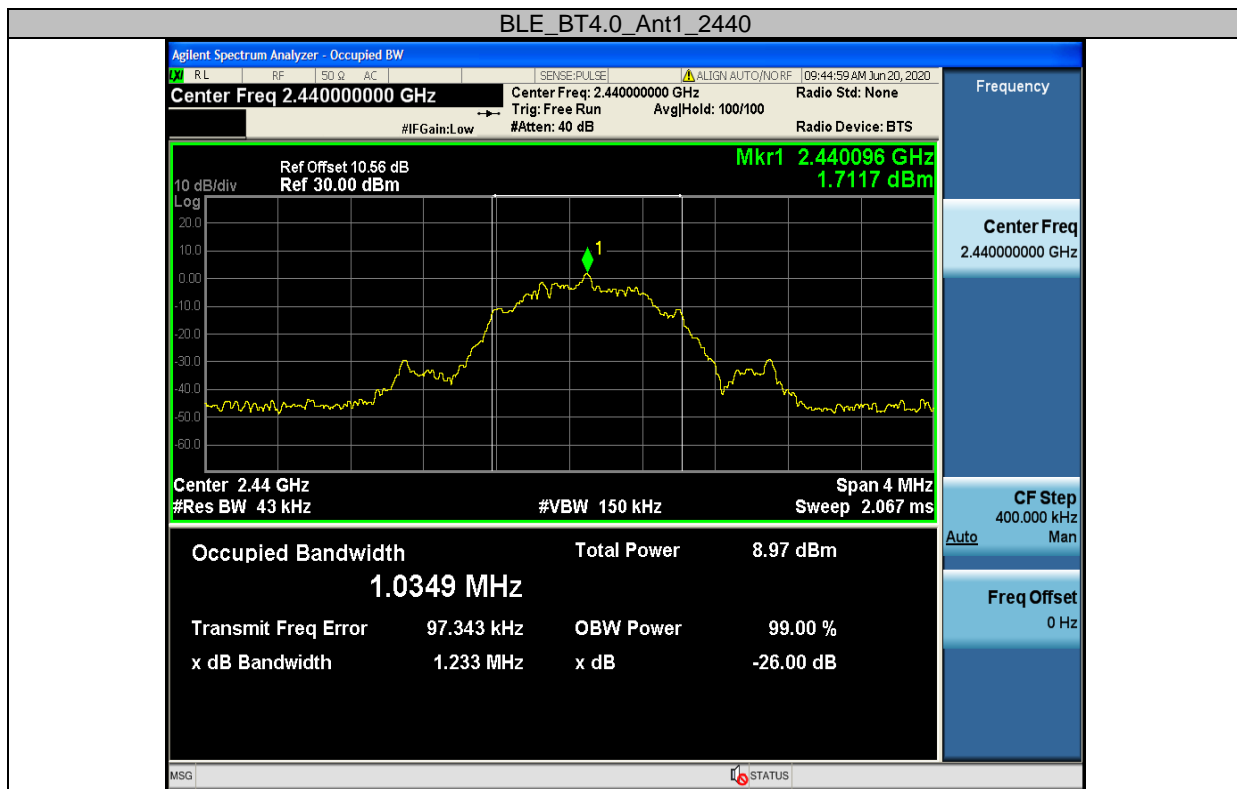


A.2. Occupied Bandwidth(not for FCC Review)

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0437	2401.576	2402.620	---	PASS
		2440	1.0349	2439.580	2440.615	---	PASS
		2480	1.0452	2479.579	2480.625	---	PASS

Test Graphs

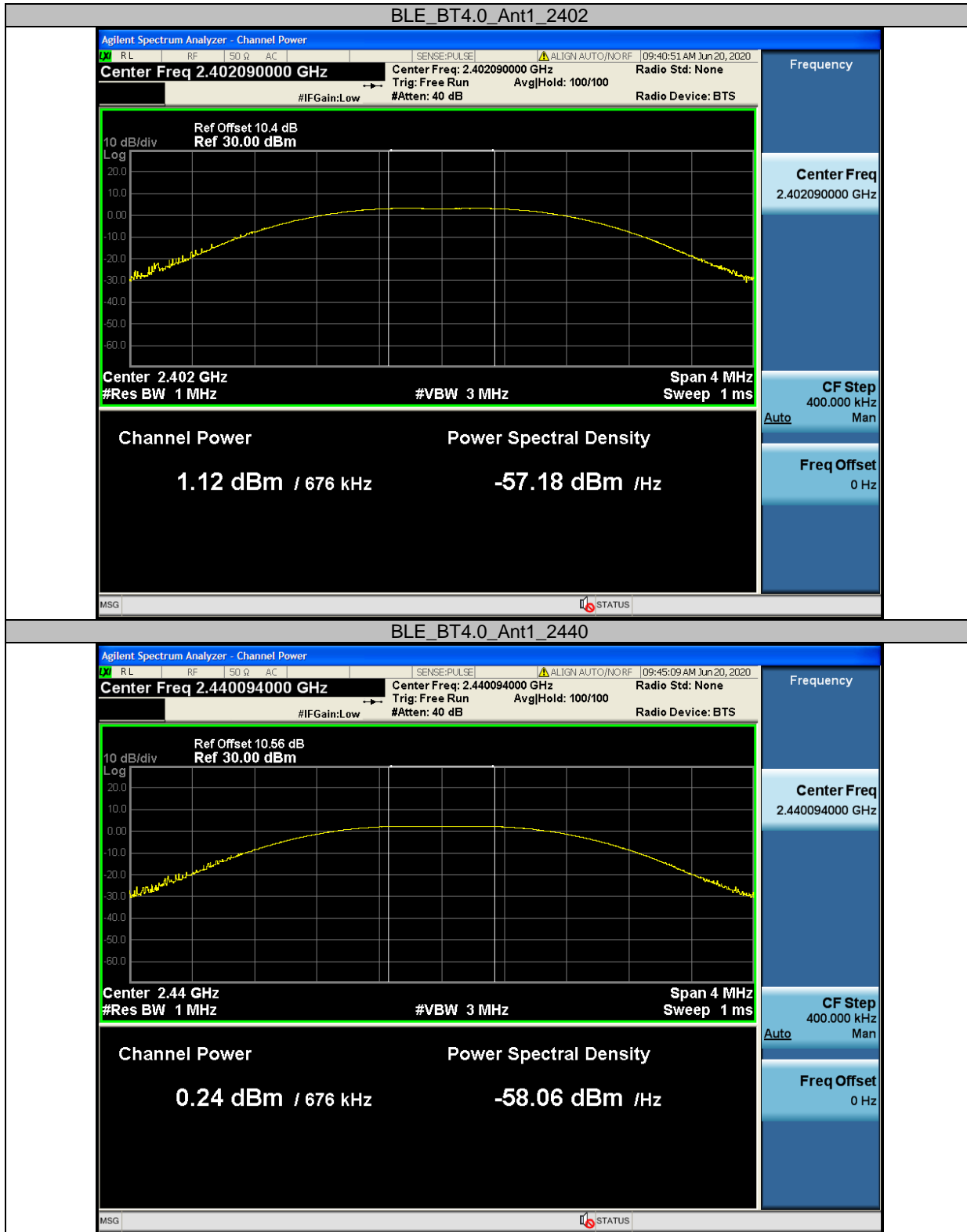


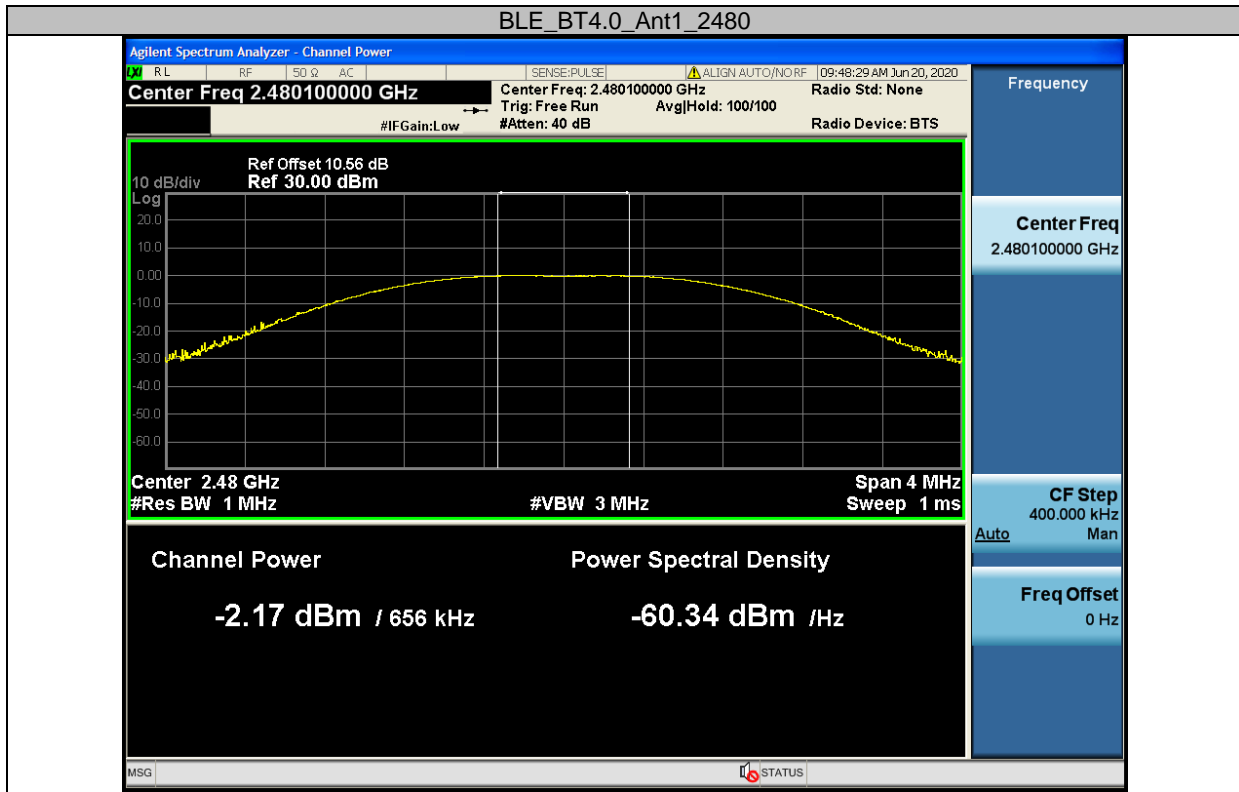


A.3. Maximum peak conducted output power

TestMode	Antenna Channel	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	1.12	<=30	PASS
		2440	0.24	<=30	PASS
		2480	-2.17	<=30	PASS

Test Graphs

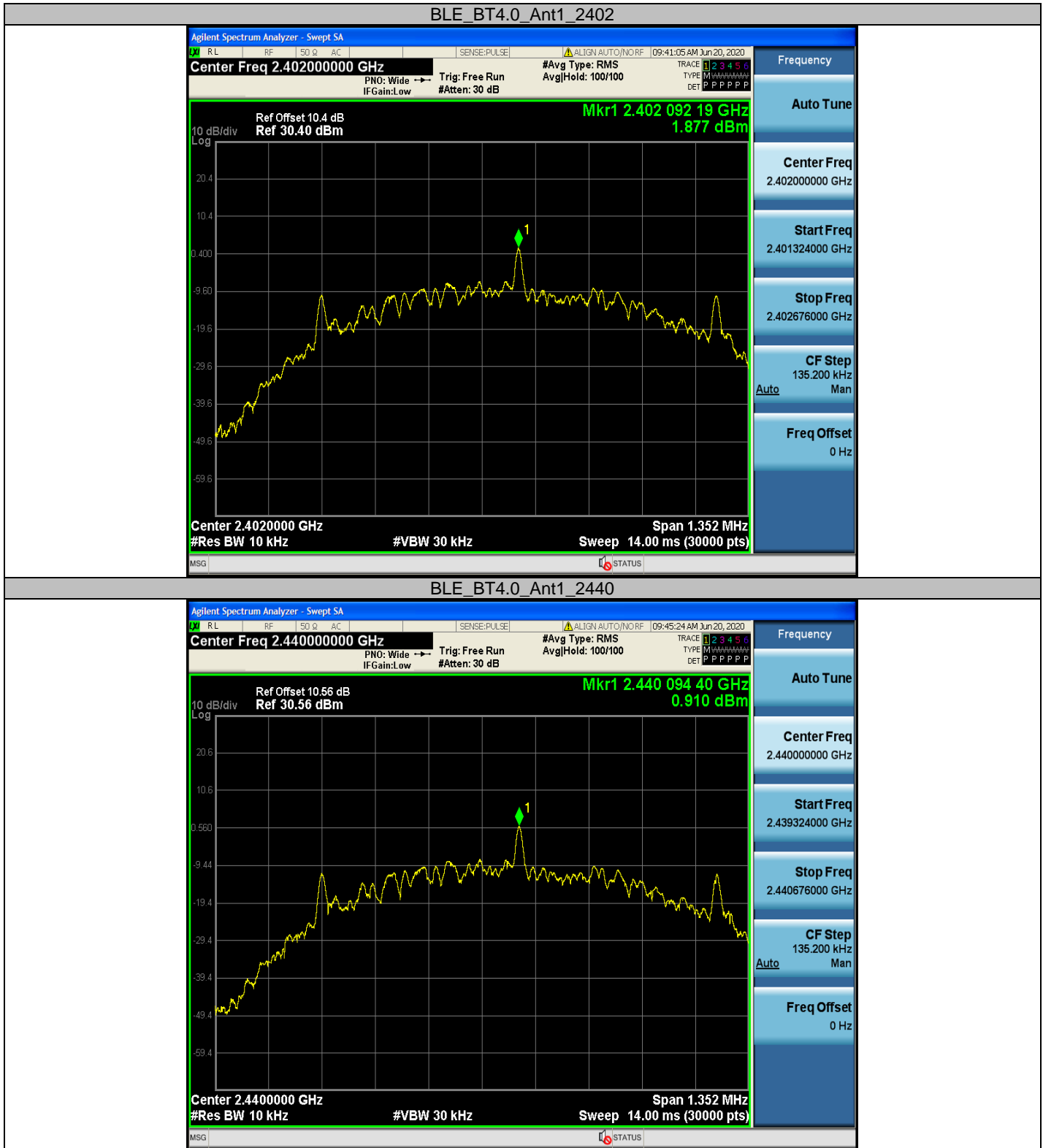


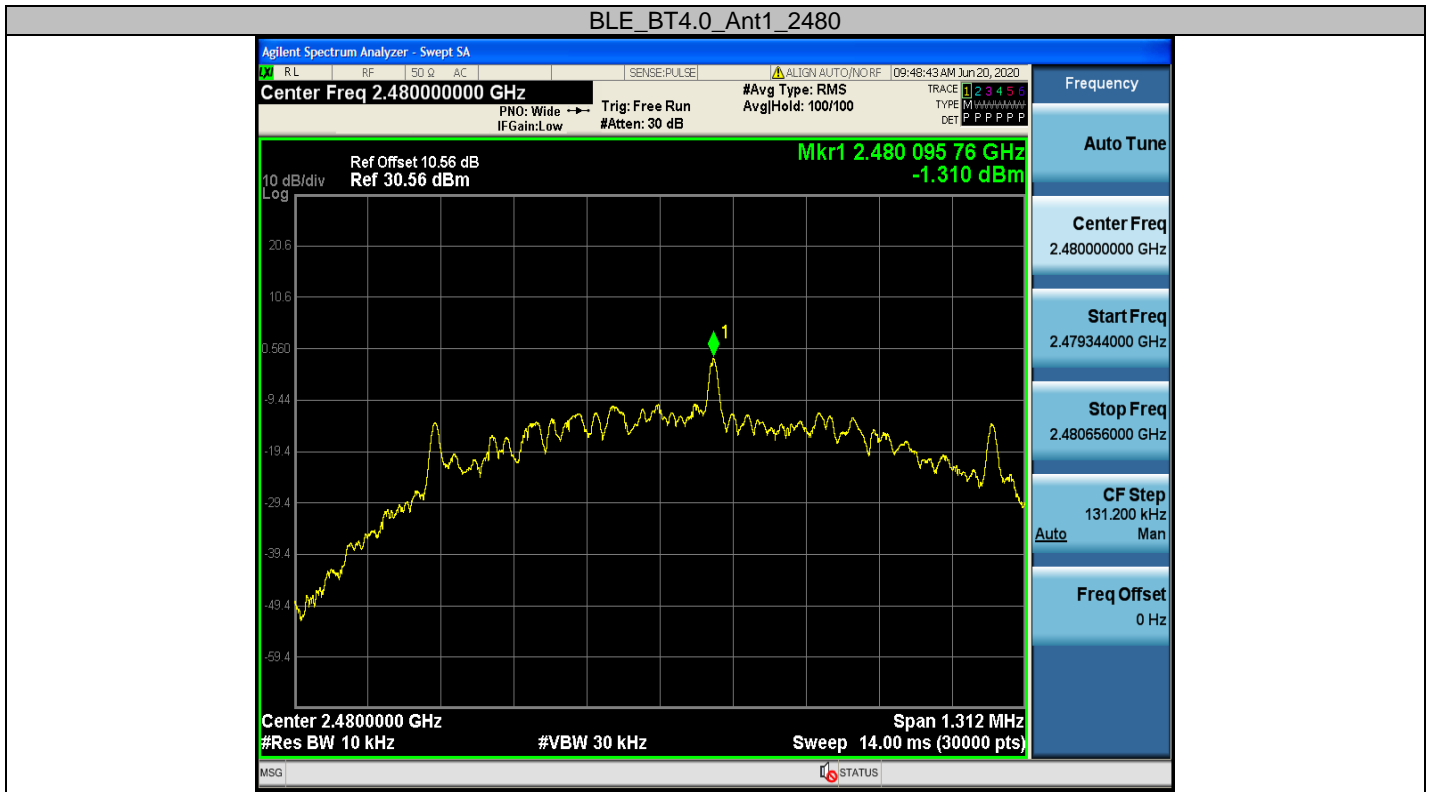


A.4. Maximum Peak power spectral density

TestMode Mode	Antenna Channel	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	1.877	<=8	PASS
		2440	0.910	<=8	PASS
		2480	-1.310	<=8	PASS

Test Graphs

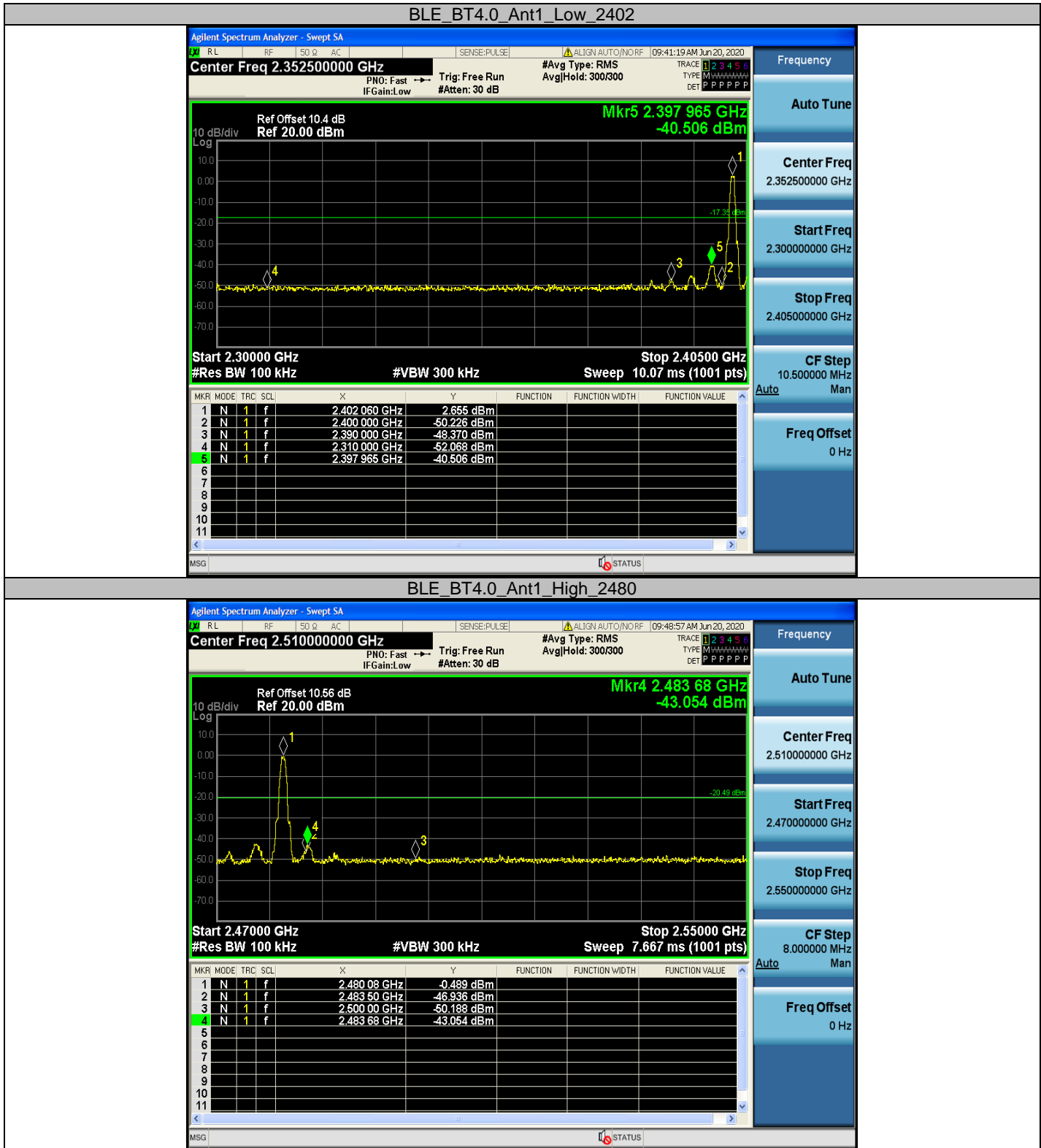




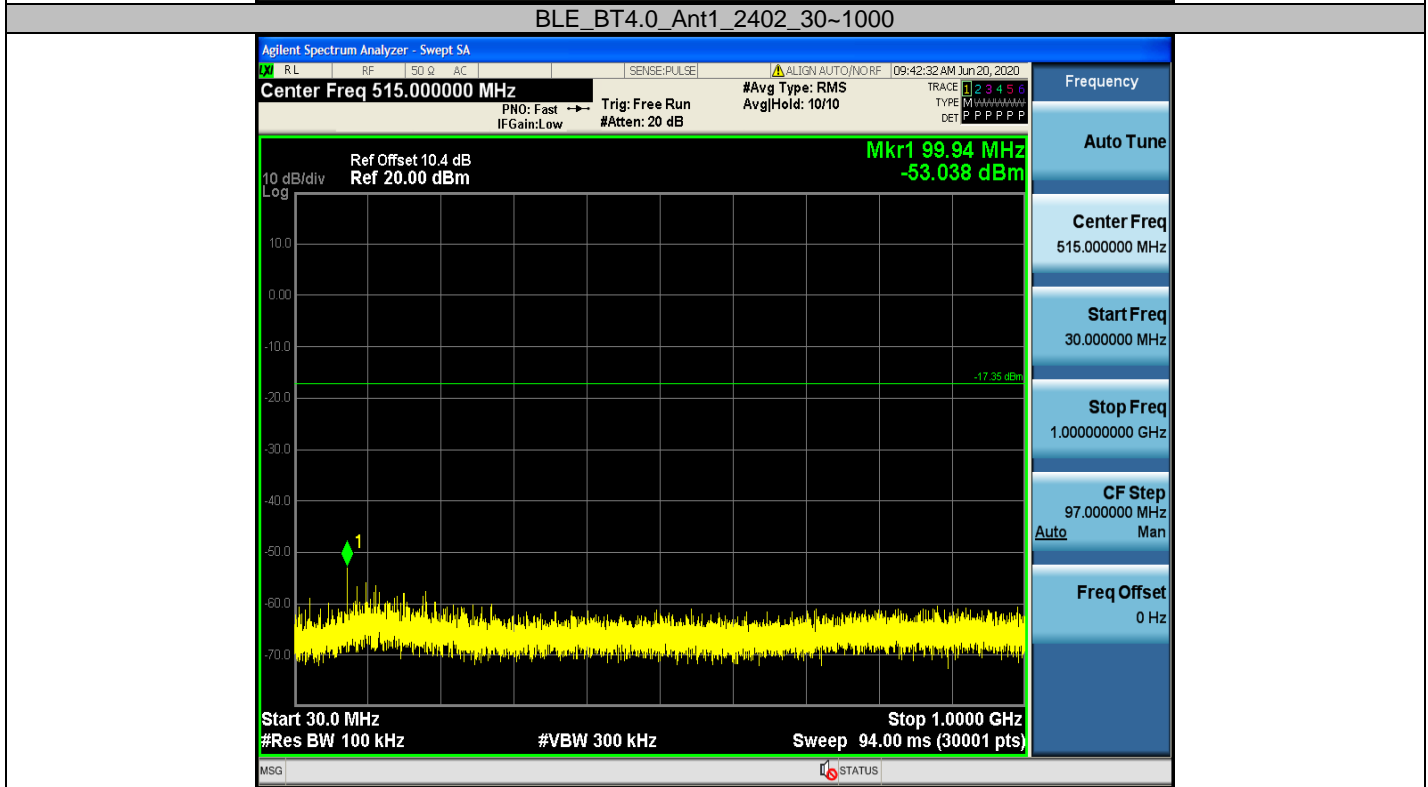
A.5. Band-edge for RF Conducted Emissions

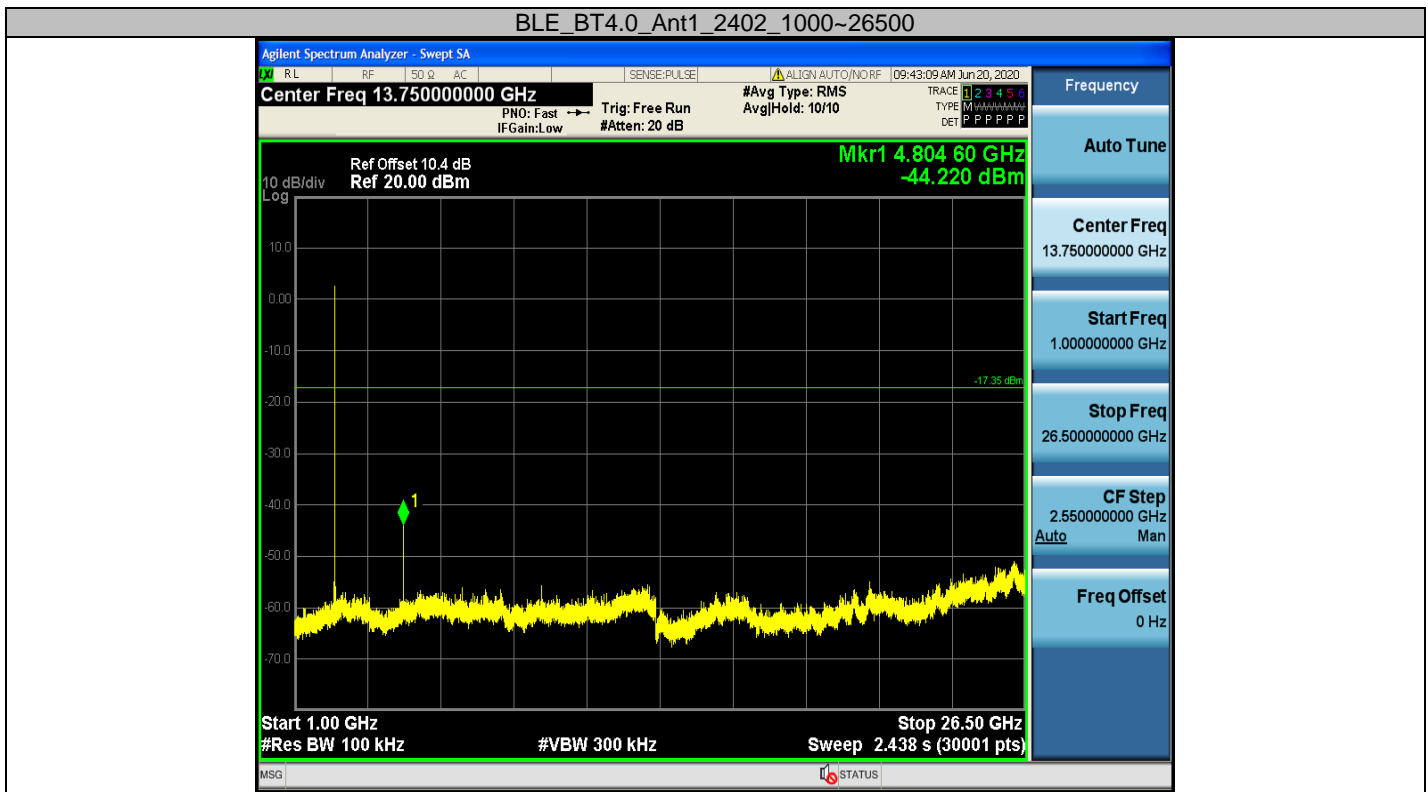
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	2.66	-40.51	<=-17.35	PASS
		High	2480	-0.49	-43.05	<=-20.49	PASS

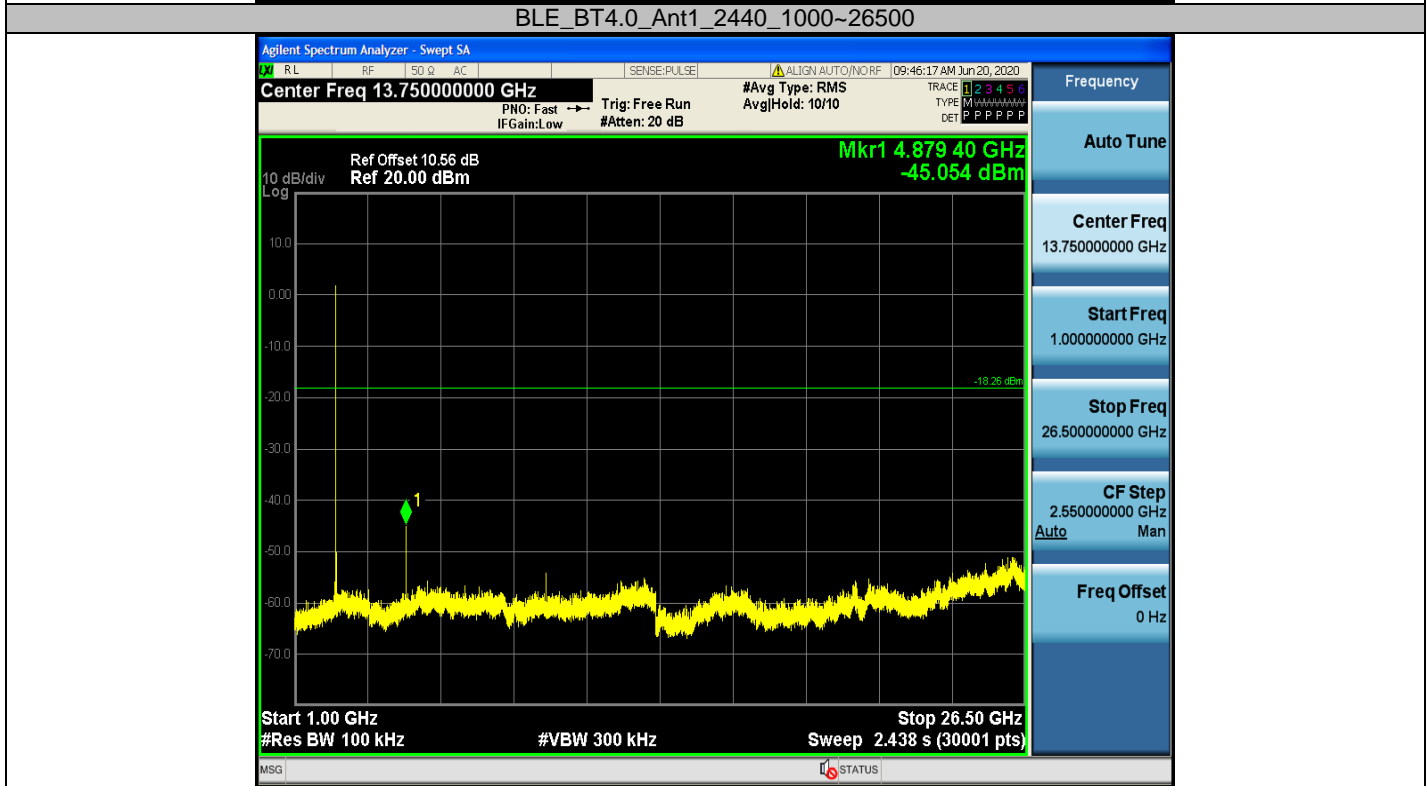
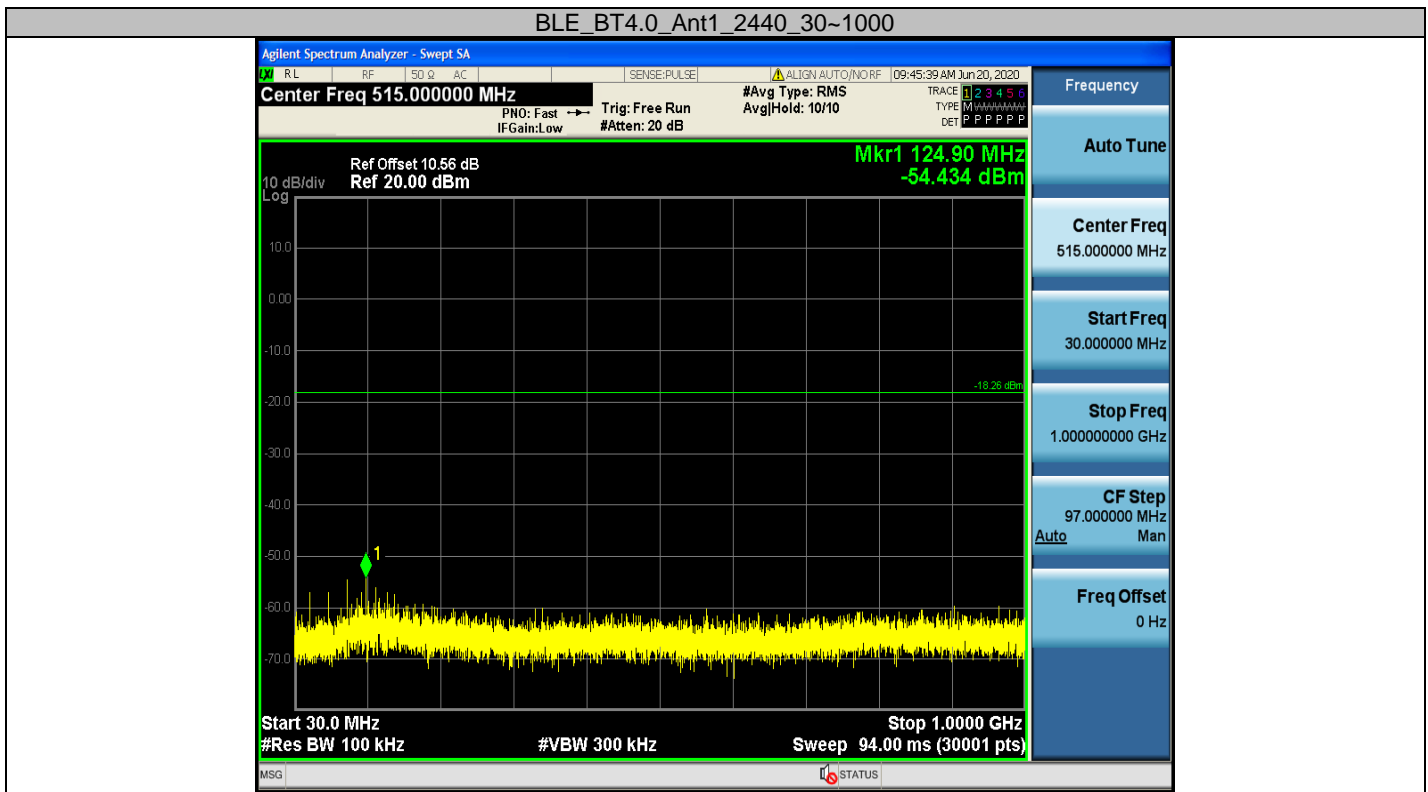
Test Graphs

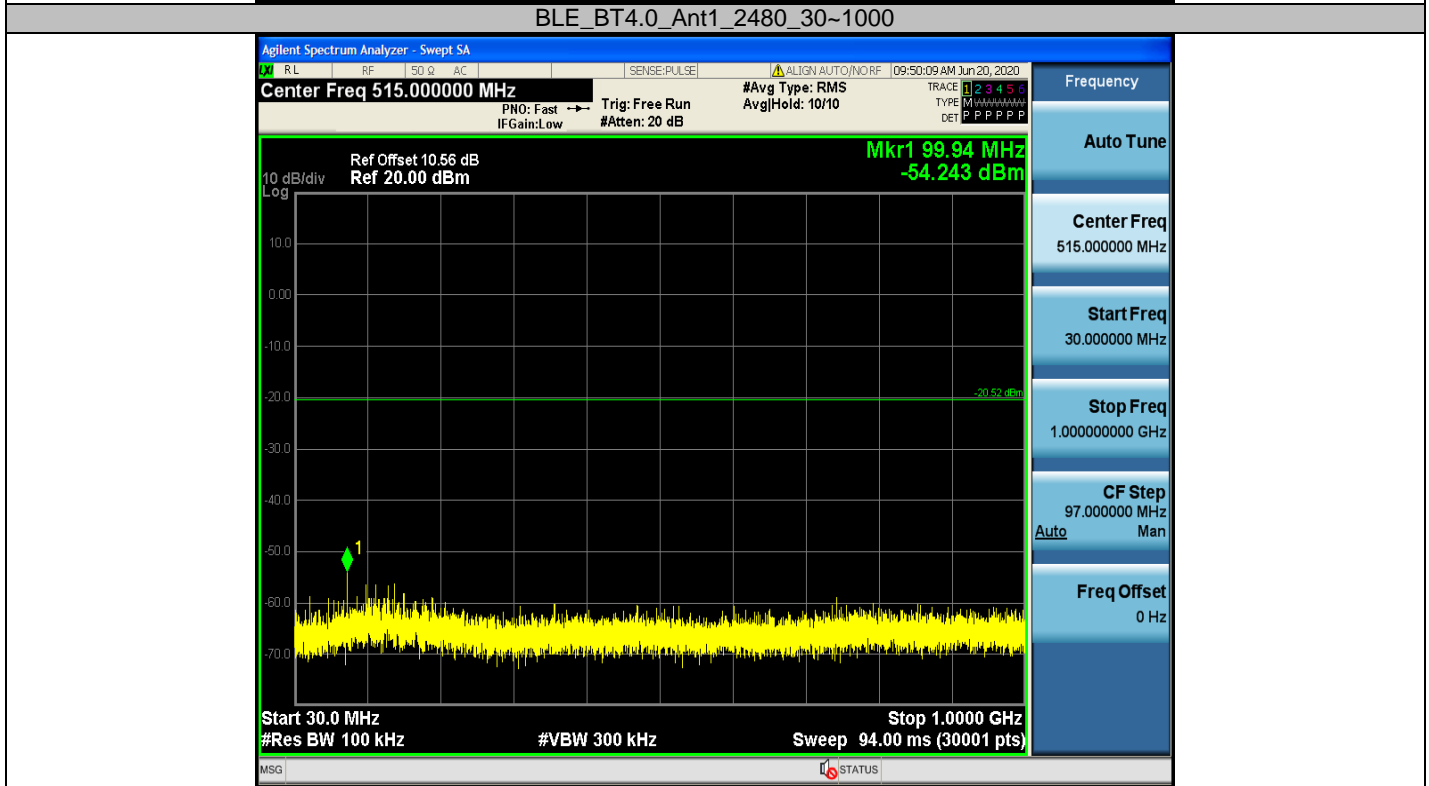
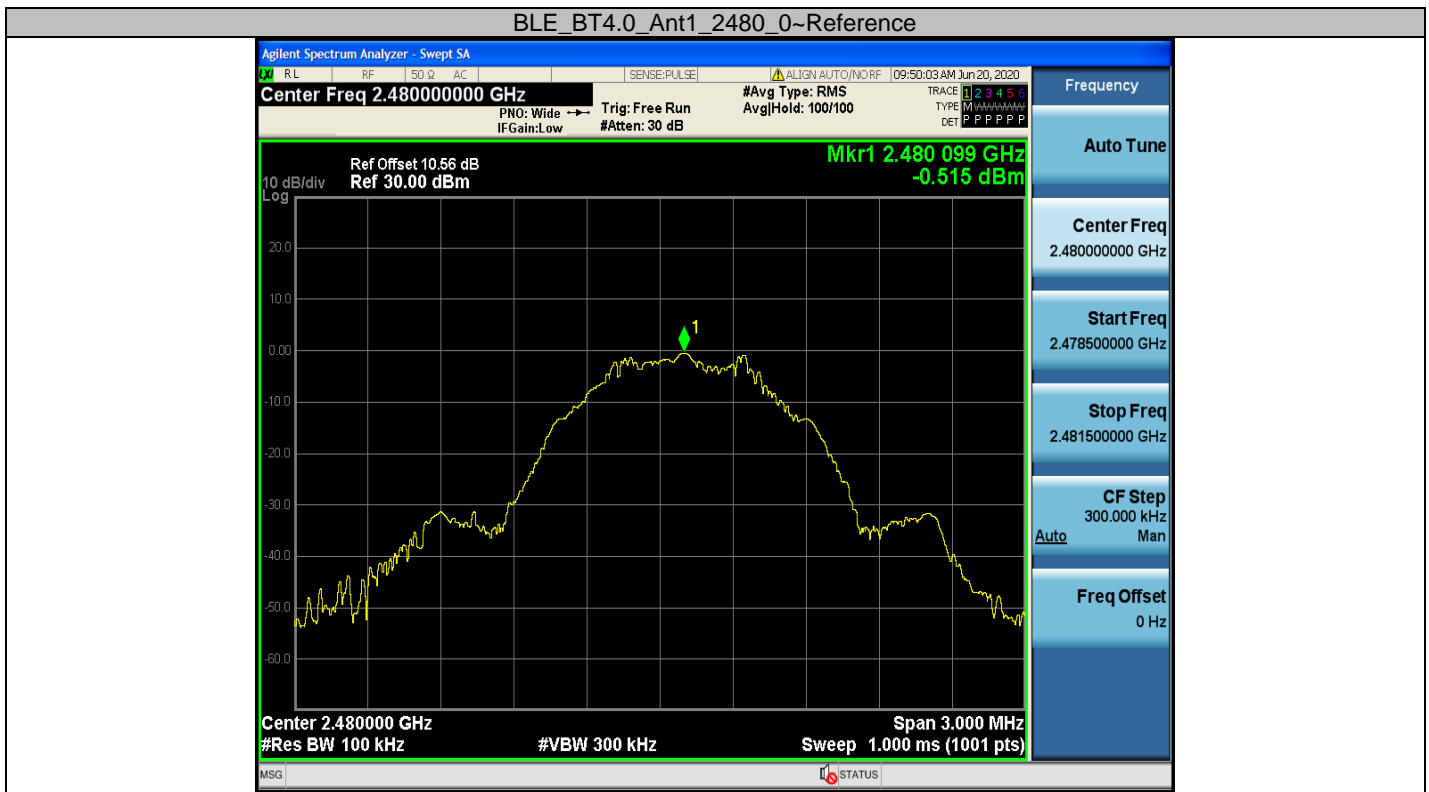


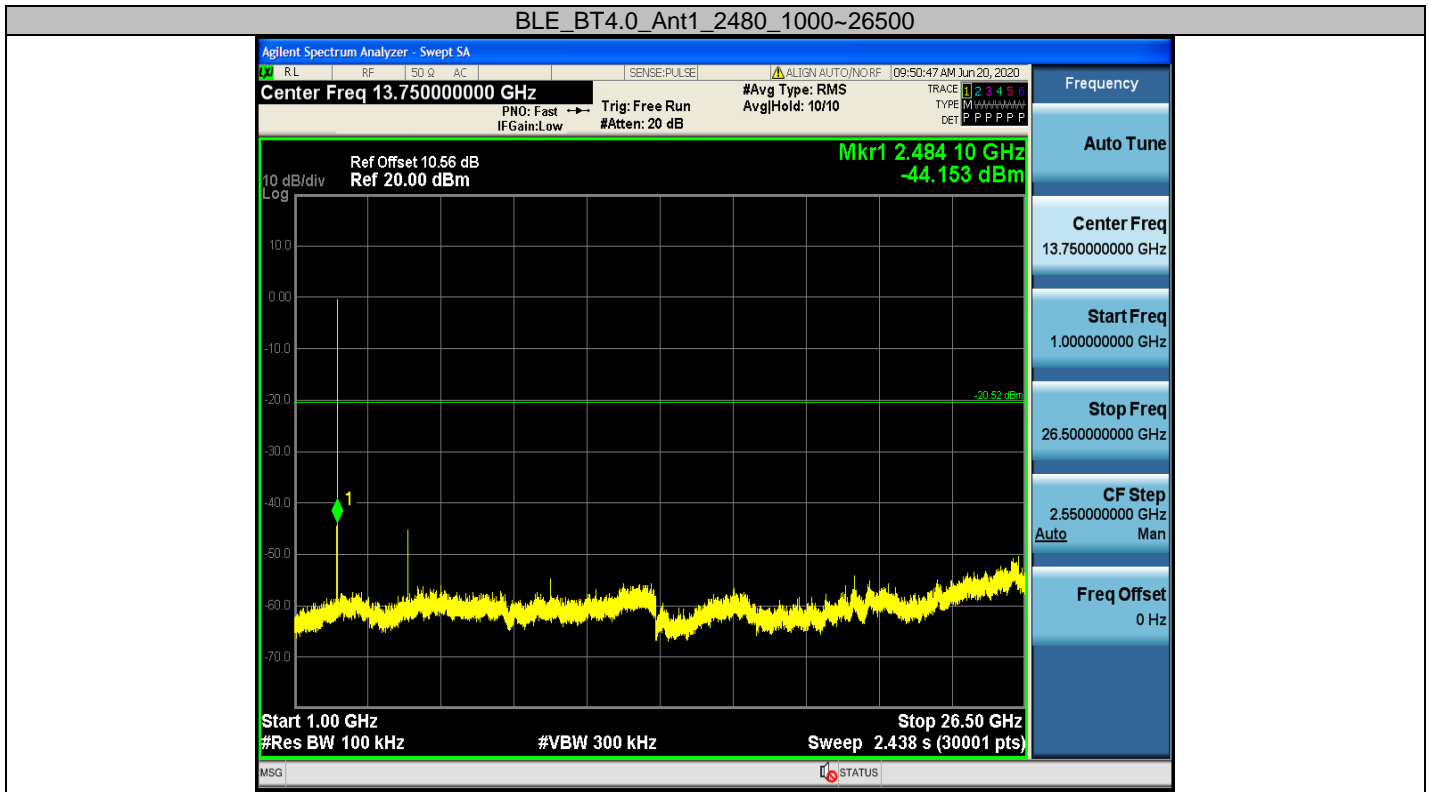
A.6. RF Conducted Spurious Emissions







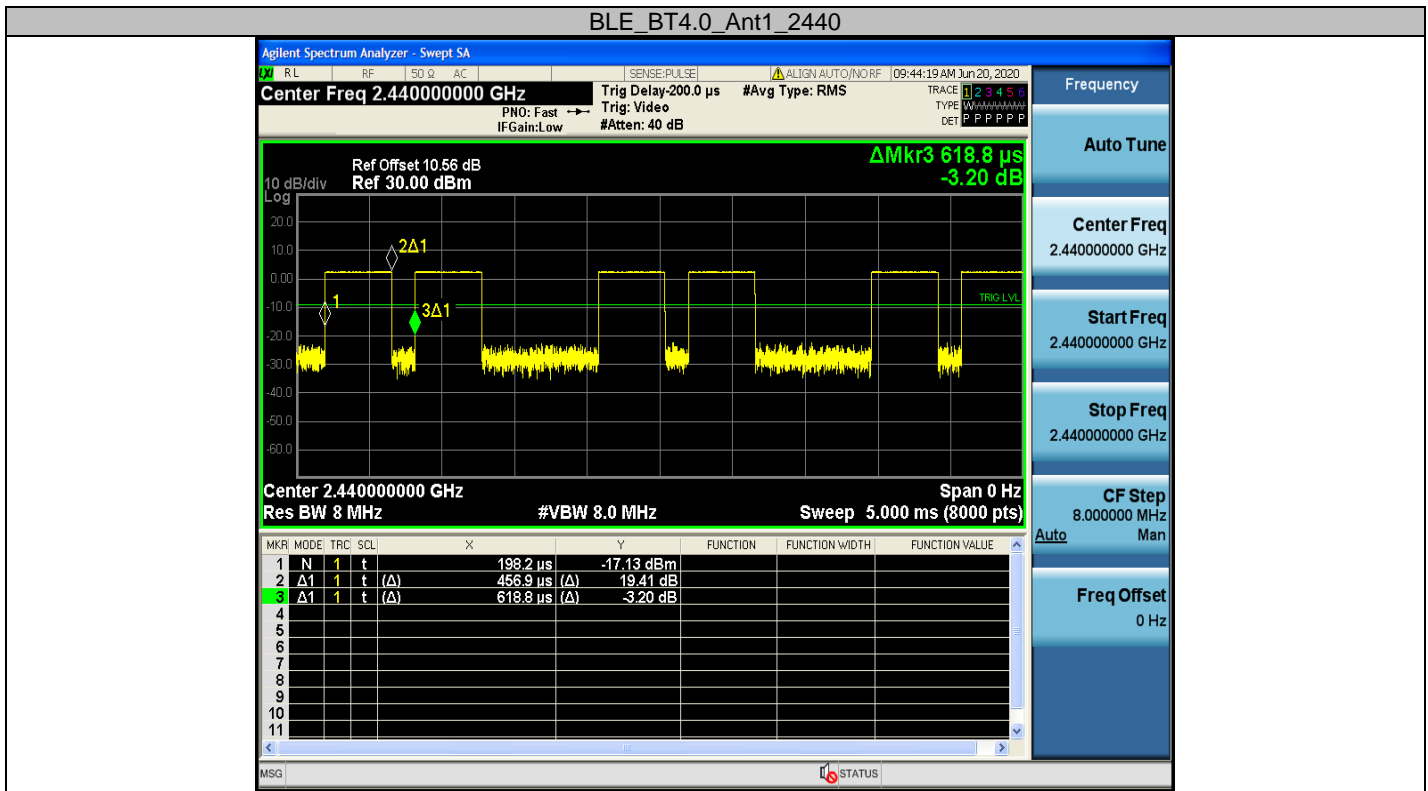




A.7. Duty Cycle

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B Minimum VBW (KHz)
BLE_BT4.0	Ant1	2440	0.46	0.62	73.84	2.2

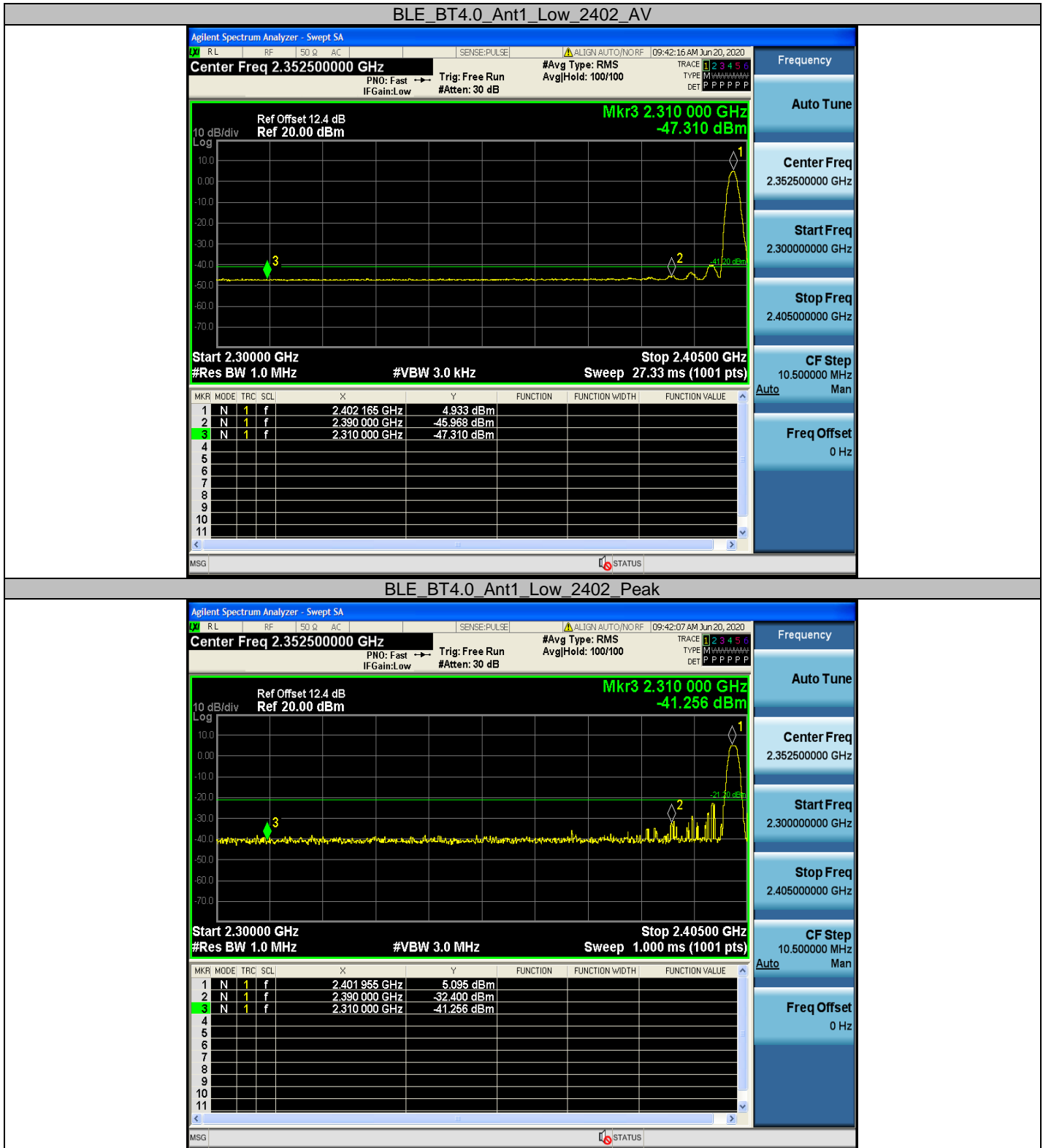
Test Graphs



A.8. Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	AV	2310.000	-47.310	<=-41.20	PASS
				AV	2390.000	-45.968	<=-41.20	PASS
				Peak	2310.000	-41.256	<=-21.20	PASS
				Peak	2390.000	-32.400	<=-21.20	PASS
		High	2480	AV	2483.500	-46.616	<=-41.20	PASS
				AV	2500.000	-47.371	<=-41.20	PASS
				Peak	2483.500	-39.312	<=-21.20	PASS
				Peak	2500.000	-37.014	<=-21.20	PASS

Test Graphs



BLE_BT4.0_Ant1_High_2480_AV



BLE_BT4.0_Ant1_High_2480_Peak

