

Appendix A

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

Product Name: Wattbike Performance Touchscreen

Trade Mark: WattbikePT1

Test Model: 80-000

FCC ID: 2AVJT-80-000

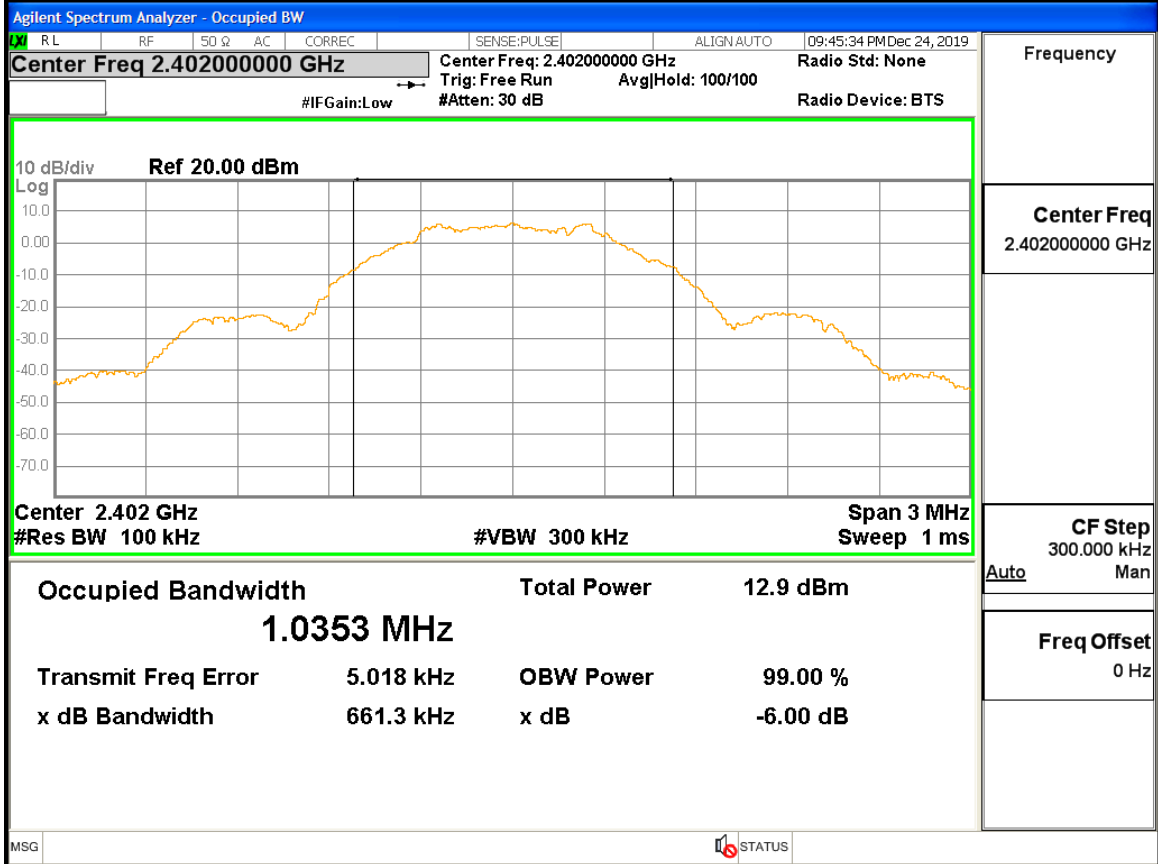
Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu
NOTE	Chipset/Module: MT6625L

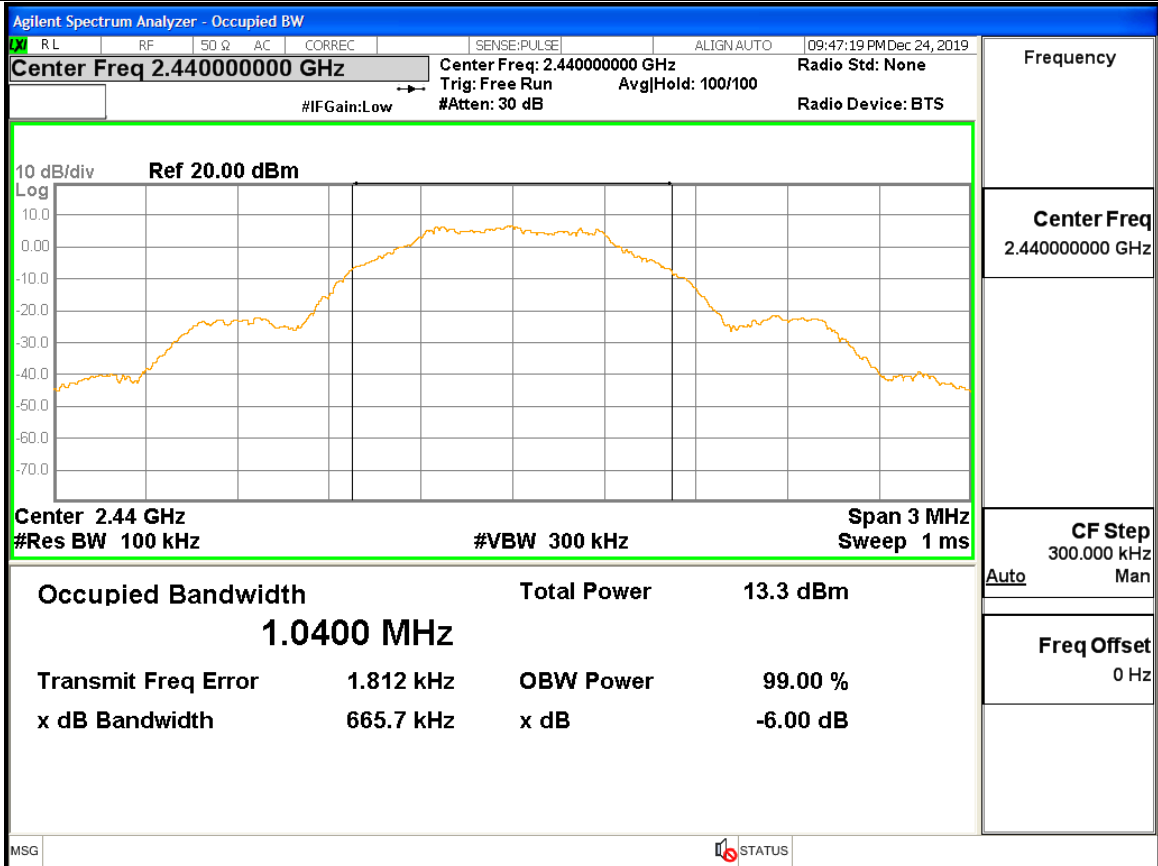
A.1. 6dB Bandwidth

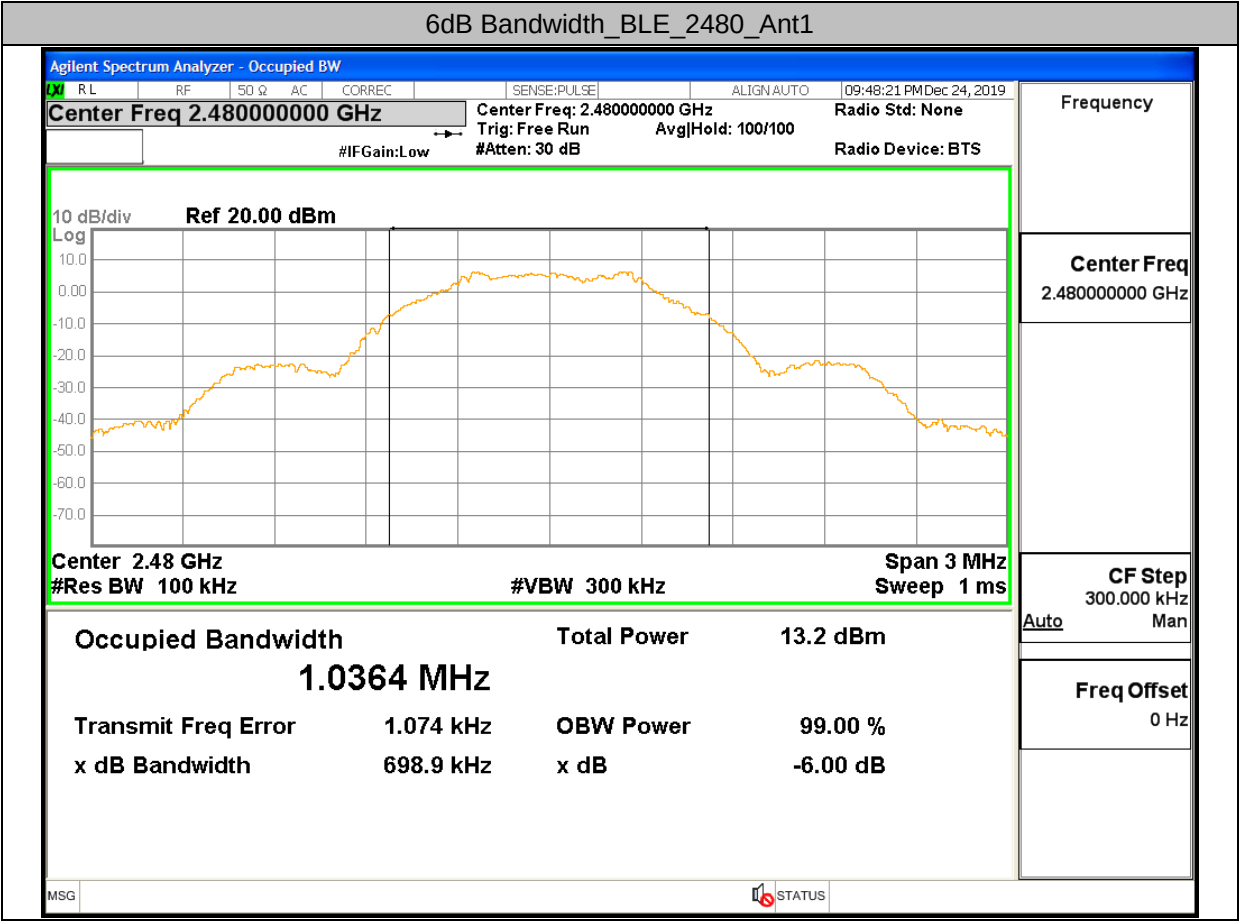
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.661	0.5	PASS
BLE	2440	Ant1	0.666	0.5	PASS
BLE	2480	Ant1	0.699	0.5	PASS

6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1





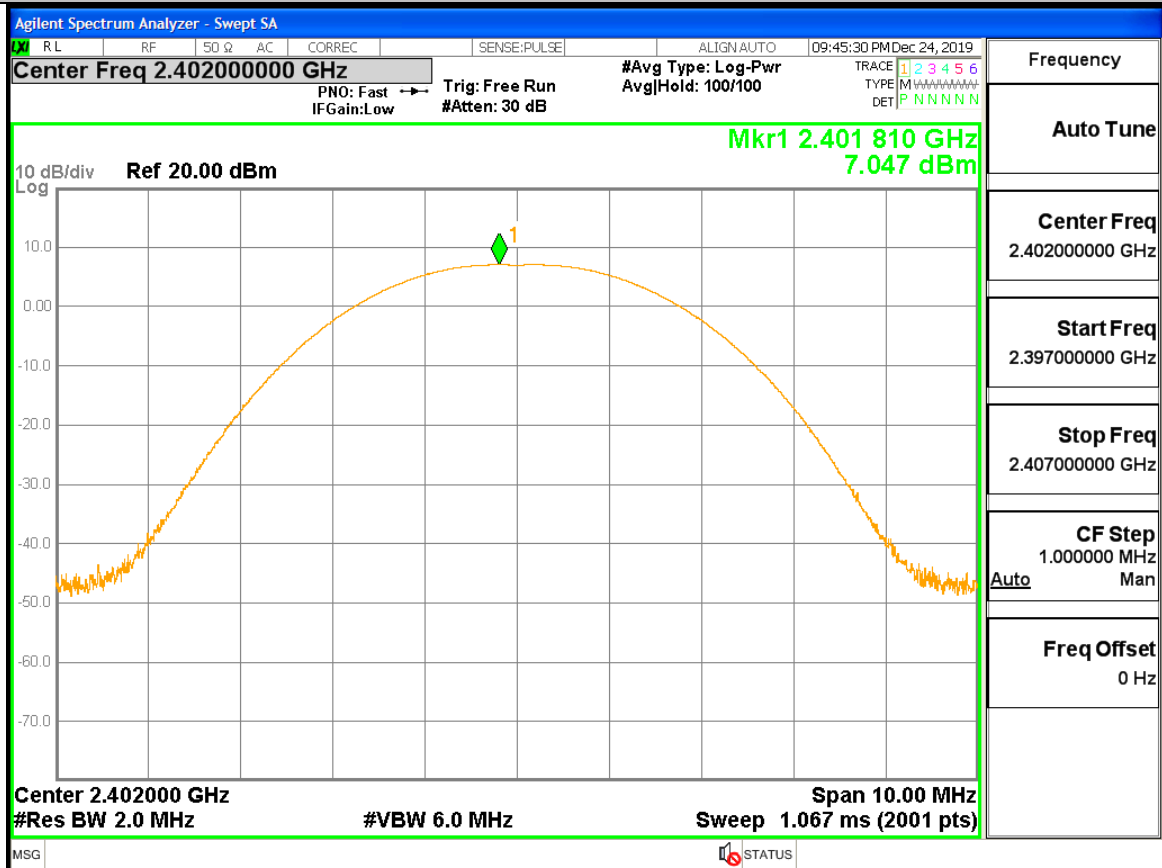
A.2. Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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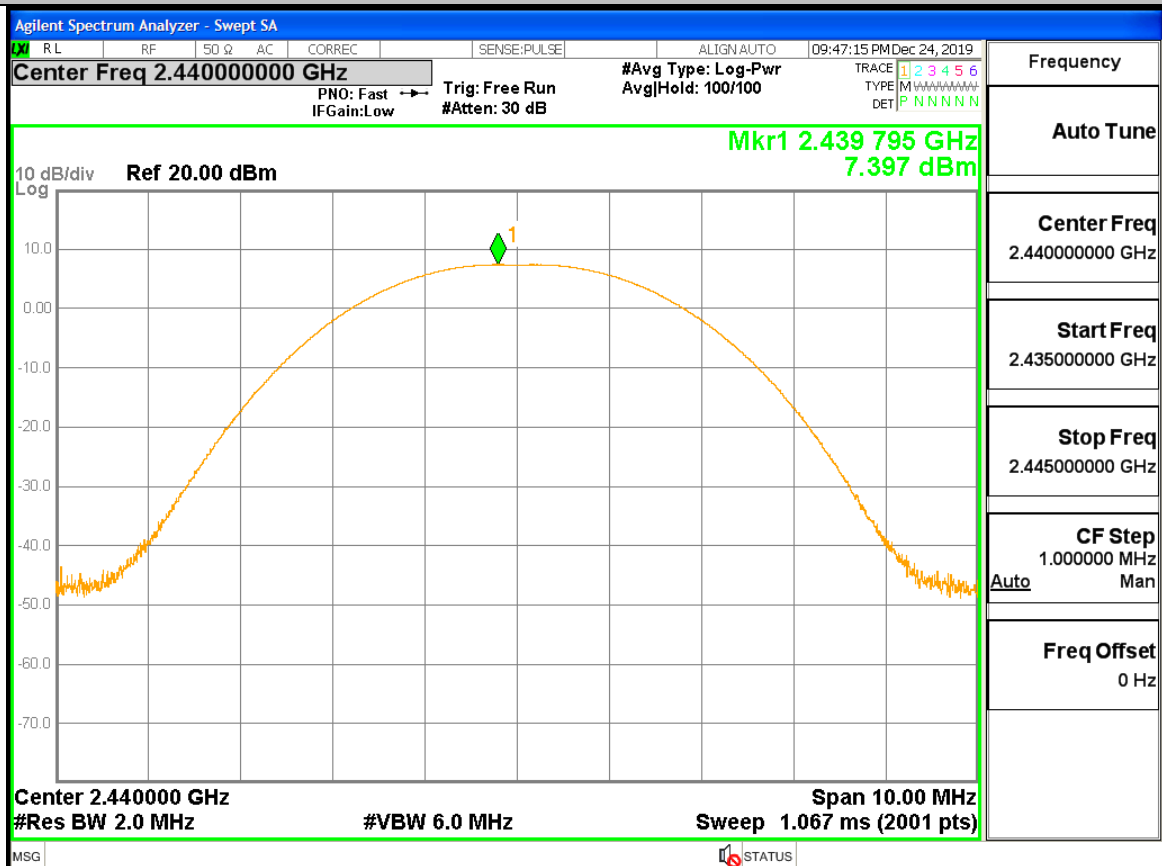
A.3. Maximum peak conducted output power

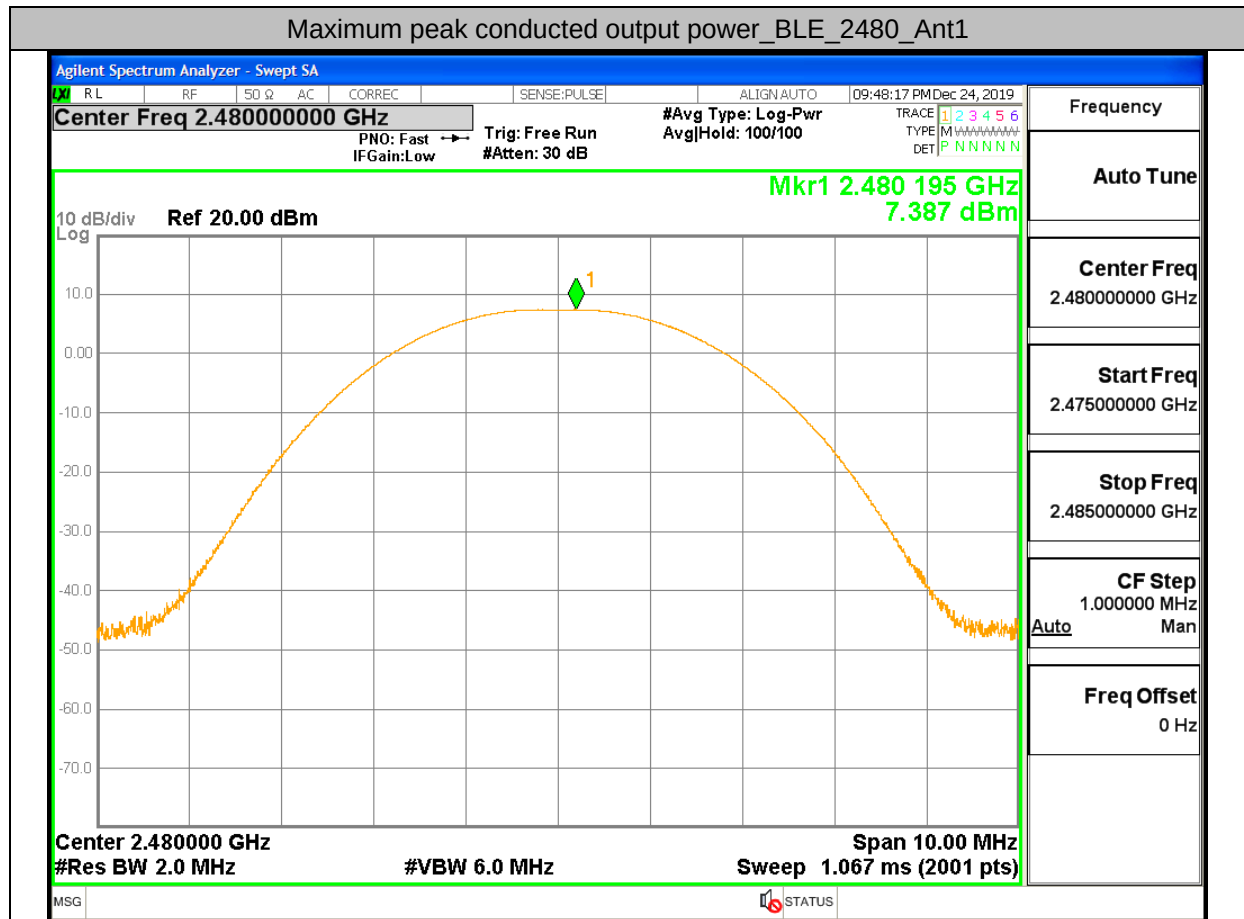
Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	7.047	30	PASS
BLE	2440	Ant1	7.397	30	PASS
BLE	2480	Ant1	7.387	30	PASS

Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1

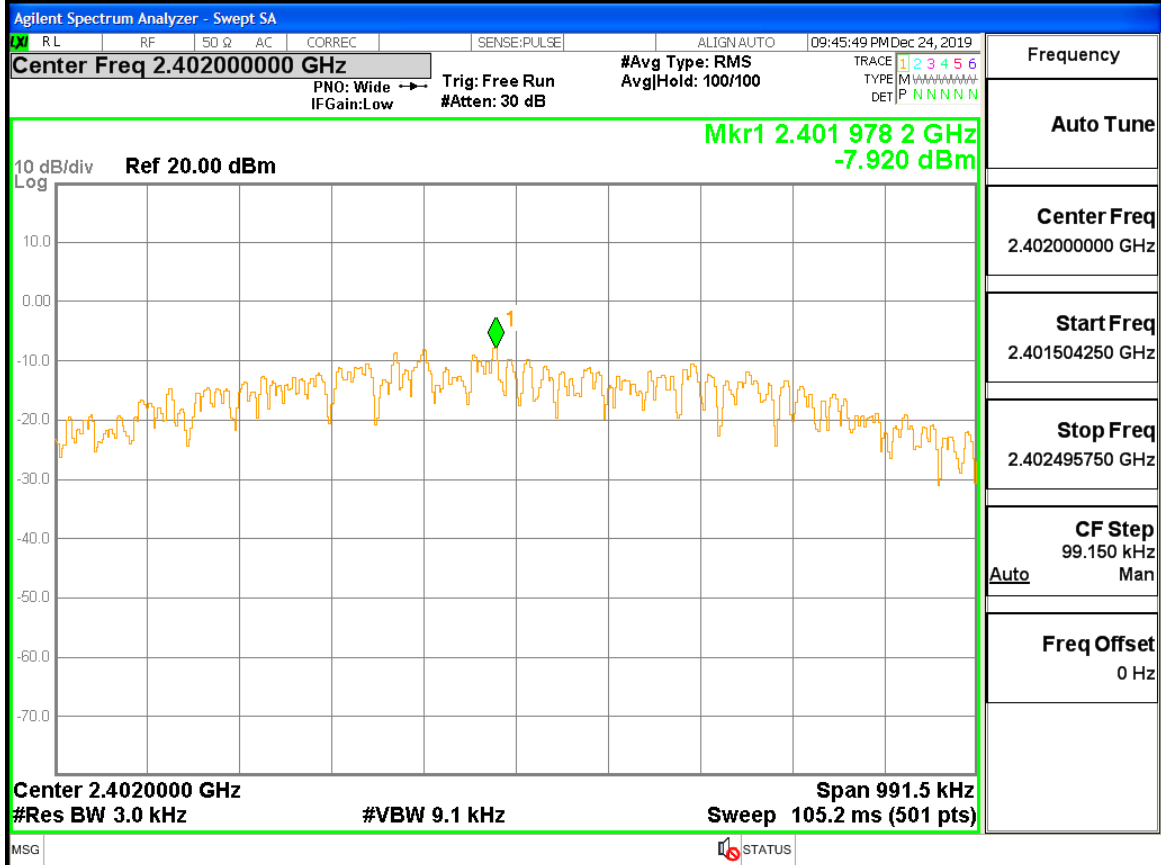




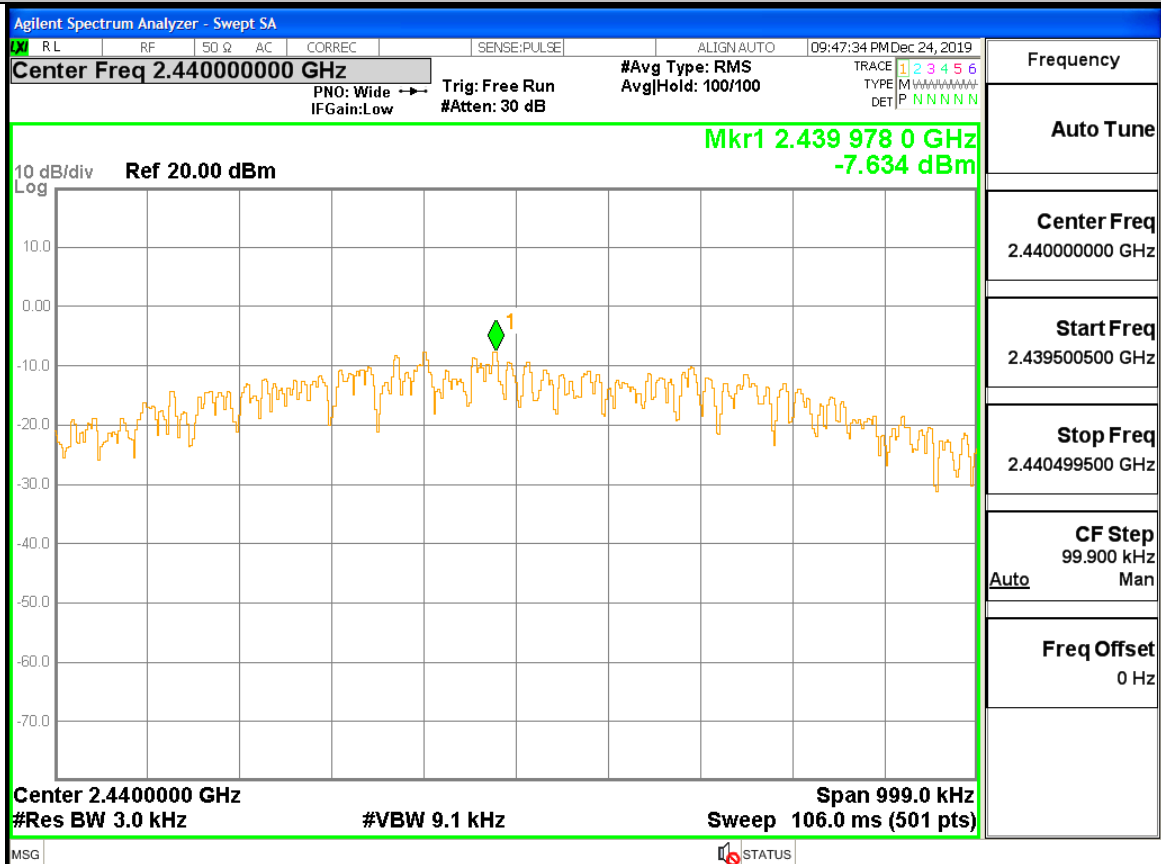
A.4. Maximum Peak power spectral density

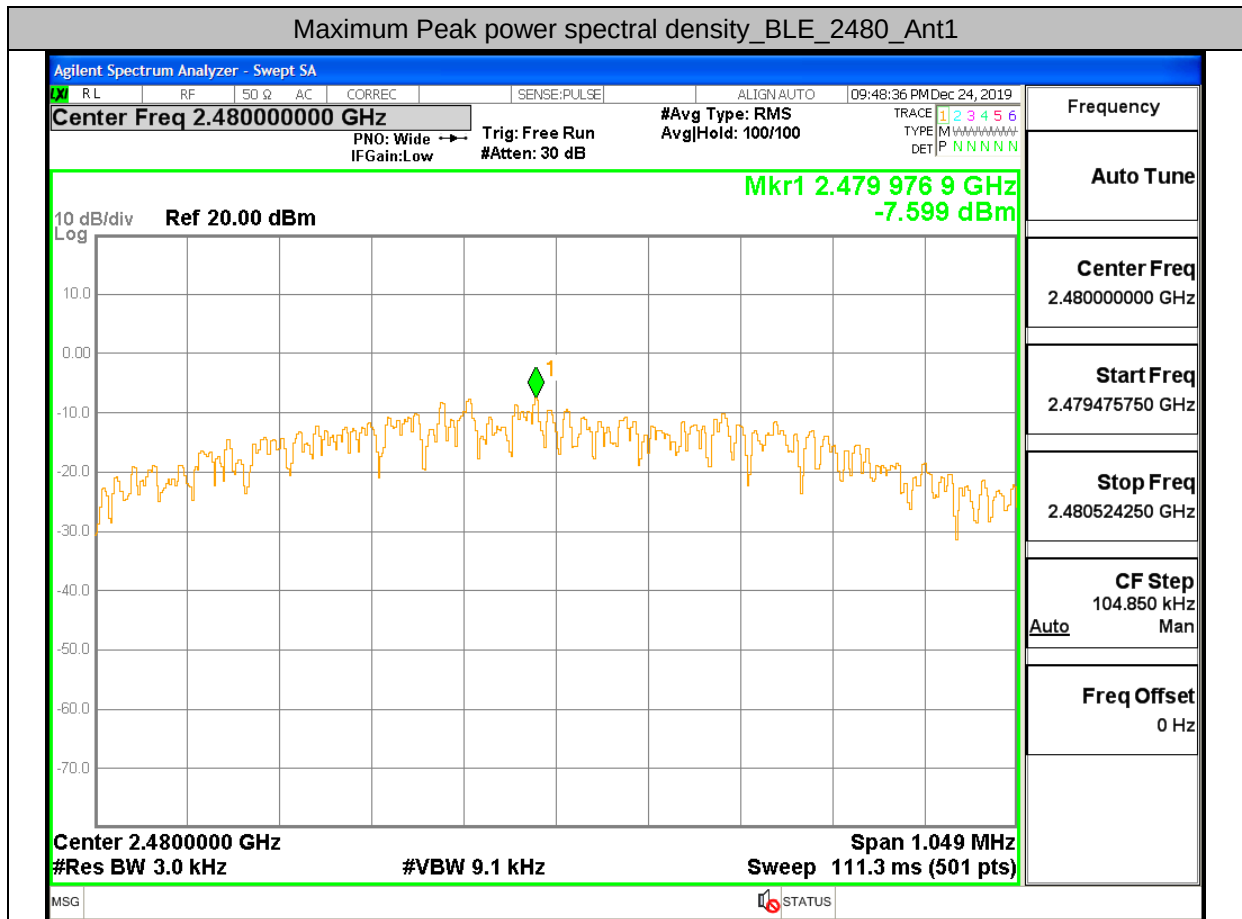
Test	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-7.920	8.00	PASS
BLE	2440	Ant1	-7.634	8.00	PASS
BLE	2480	Ant1	-7.599	8.00	PASS

Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1

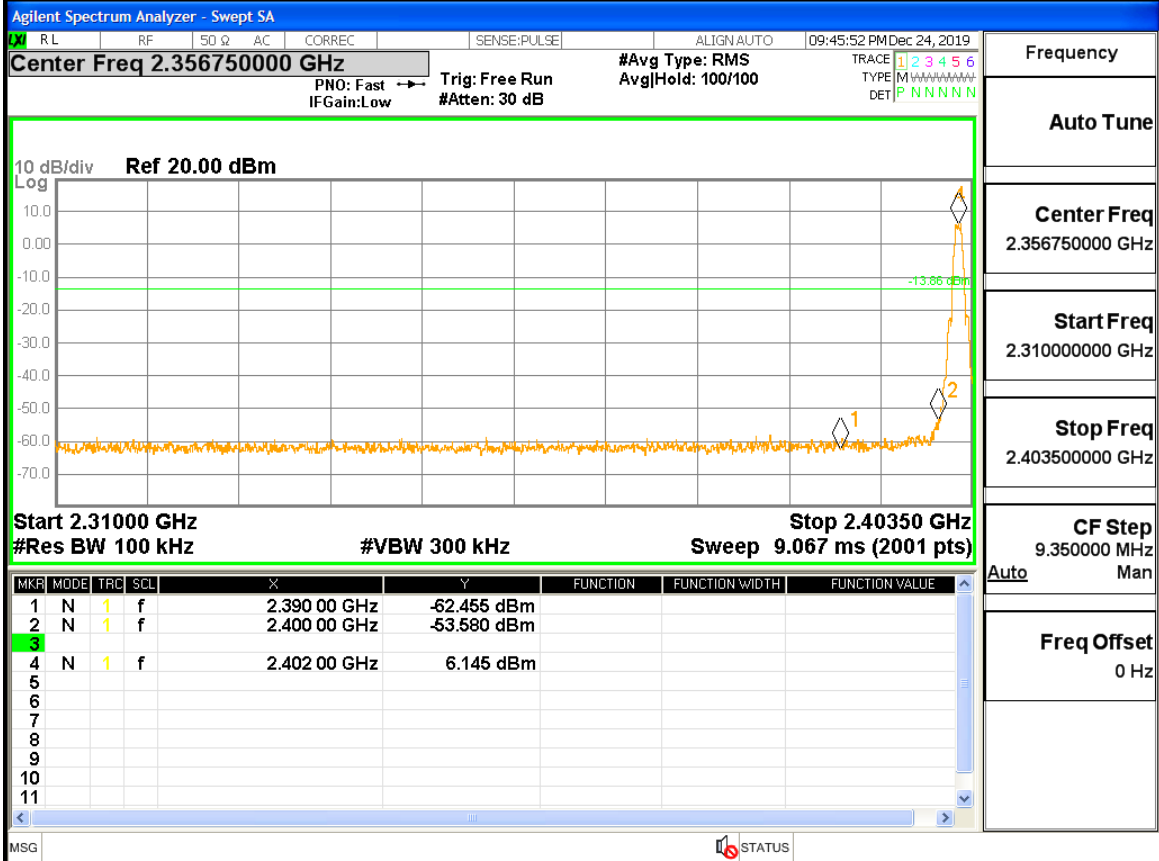




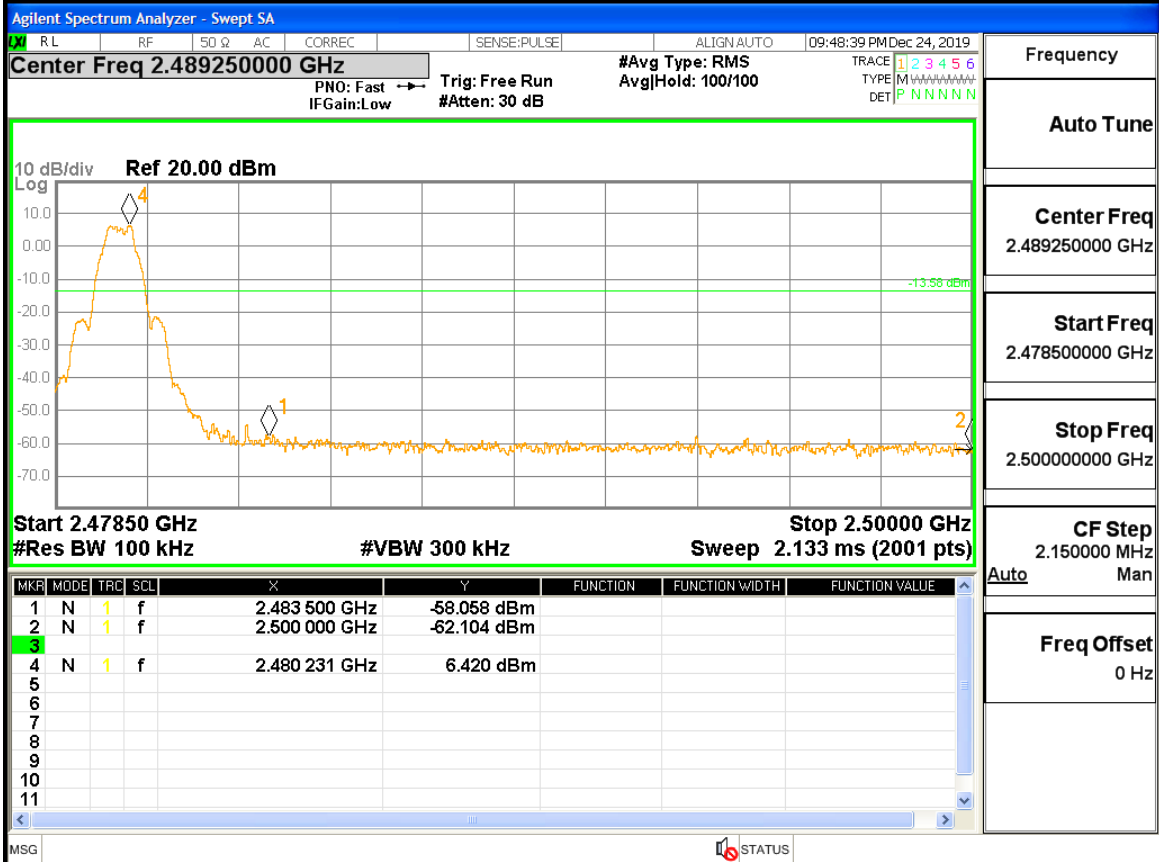
A.5. Band-edge for RF Conducted Emissions

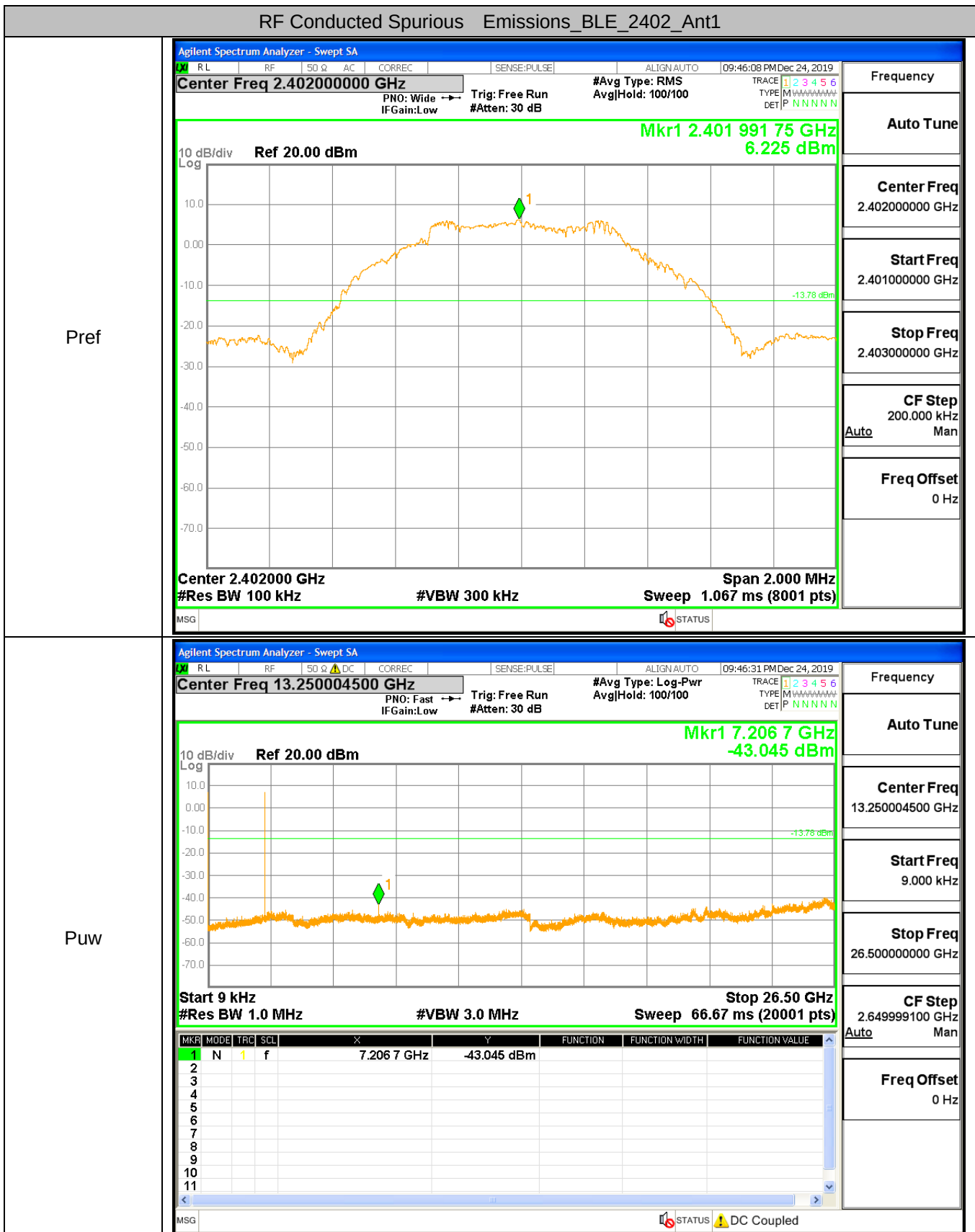
Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2402	2400	6.145	-53.58	-13.855	Pass
BLE	2480	2483.5	6.42	-58.06	-13.58	Pass

Band-edge for RF Conducted Emissions_BLE_2402_Ant1



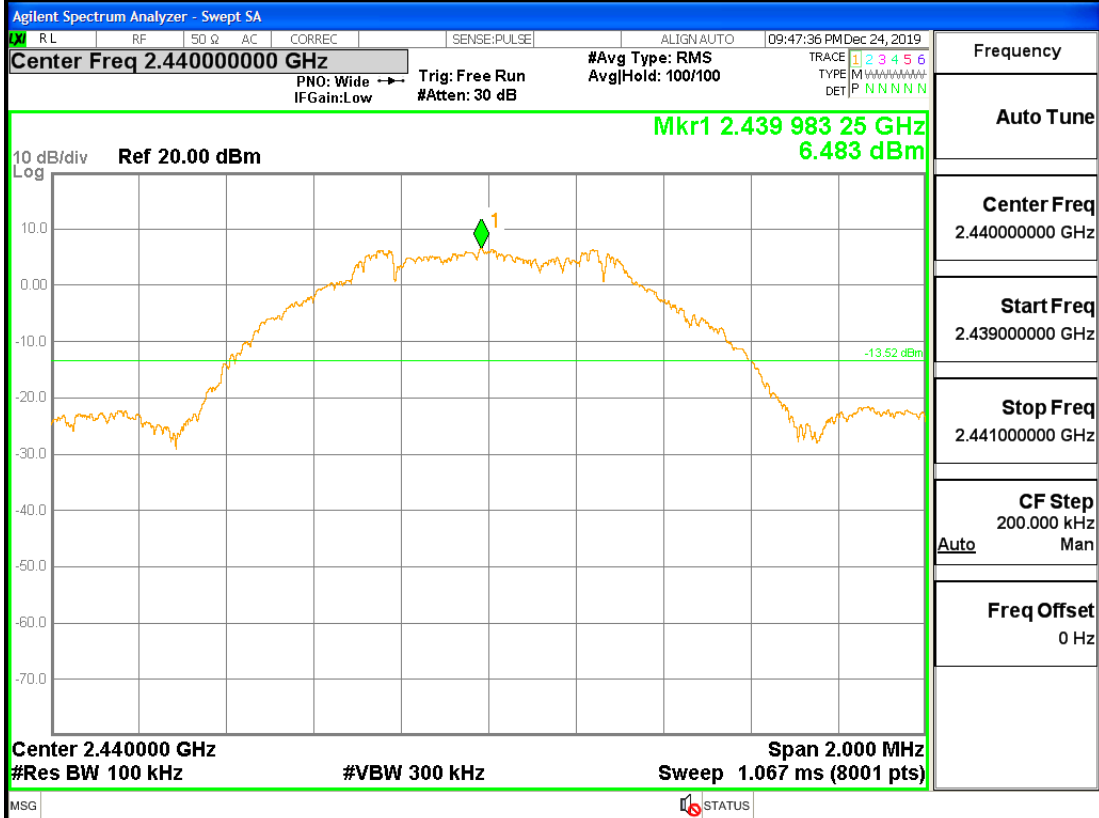
Band-edge for RF Conducted Emissions_BLE_2480_Ant1



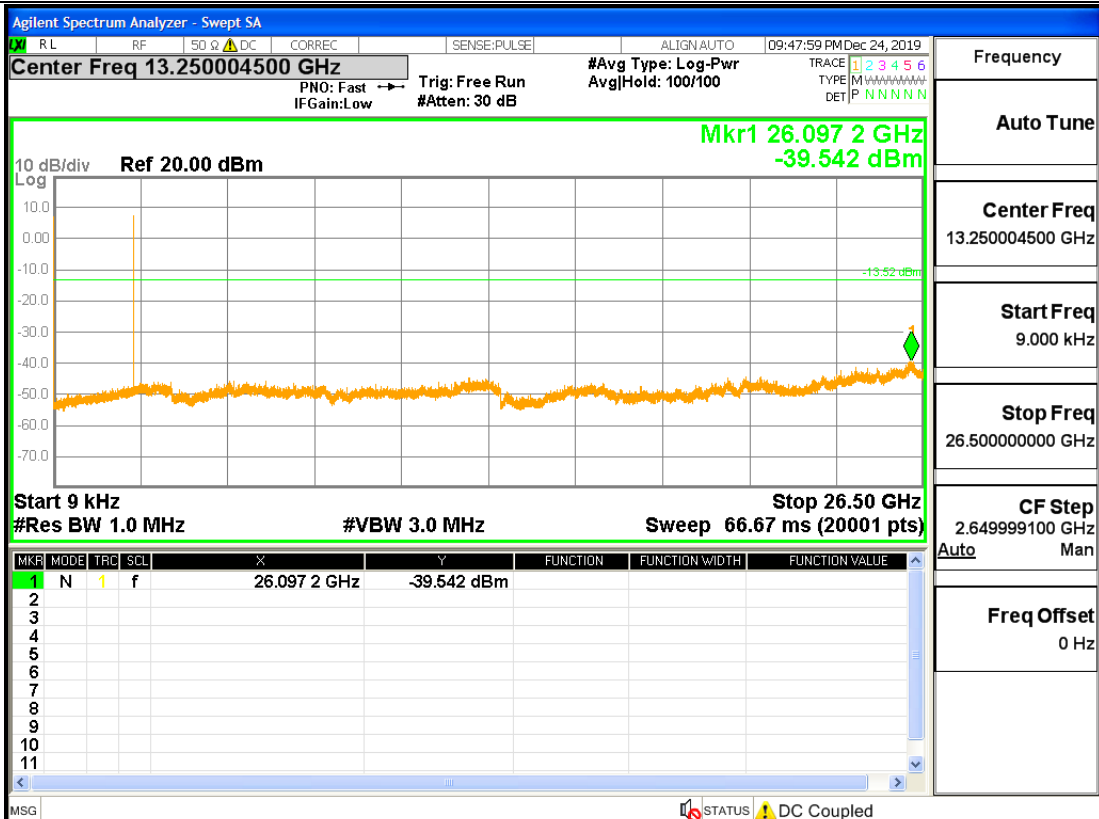
A.6. RF Conducted Spurious Emissions

RF Conducted Spurious Emissions_BLE_2440_Ant1

Pref

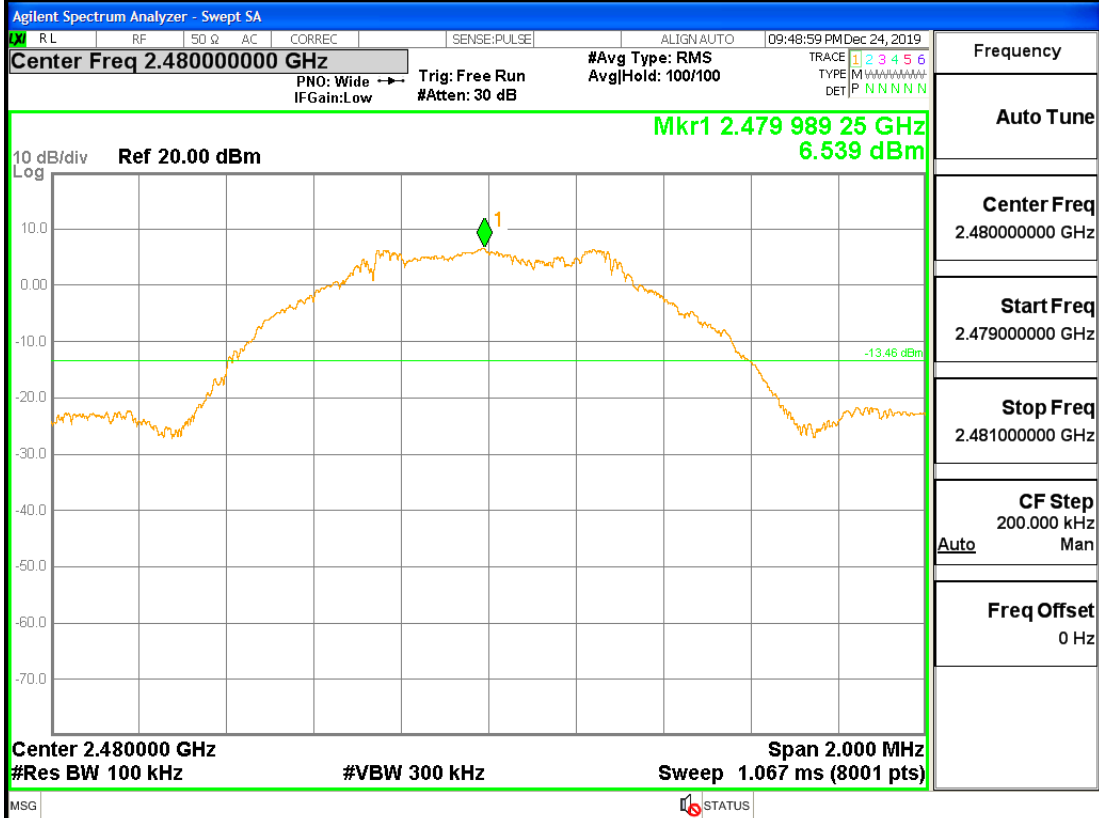


Puw

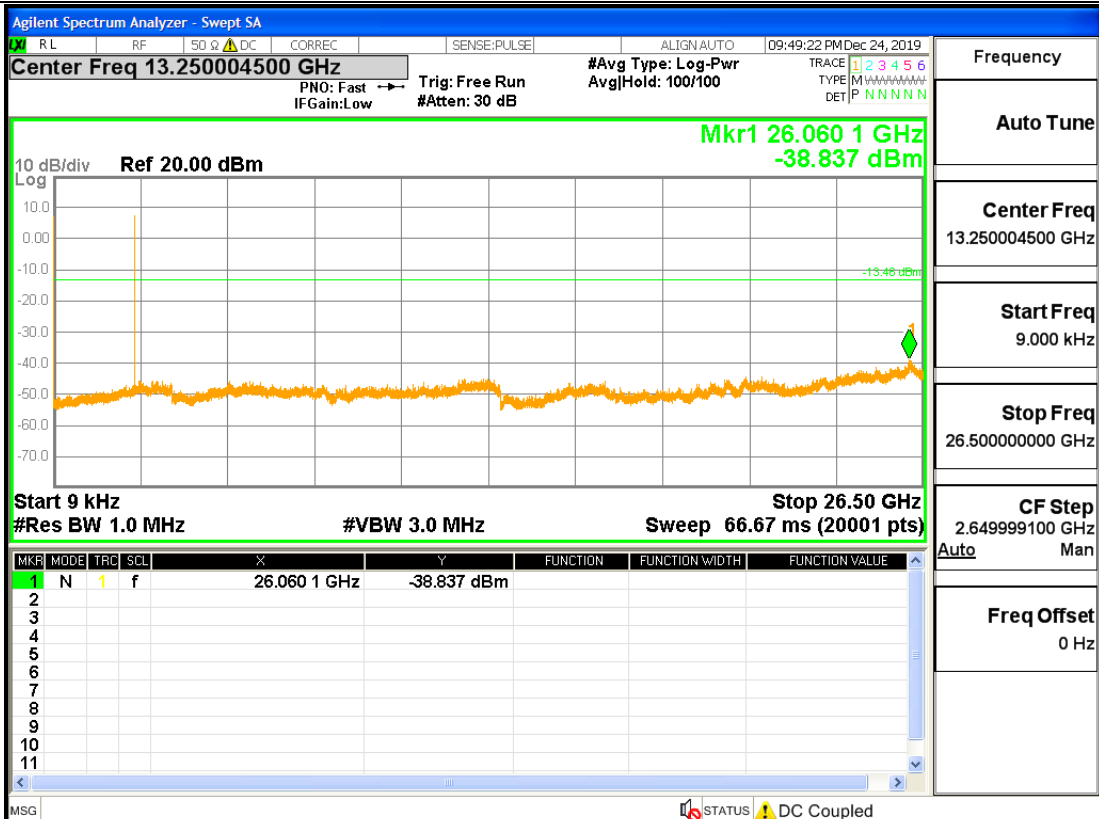


RF Conducted Spurious Emissions_BLE_2480_Ant1

Pref



Puw

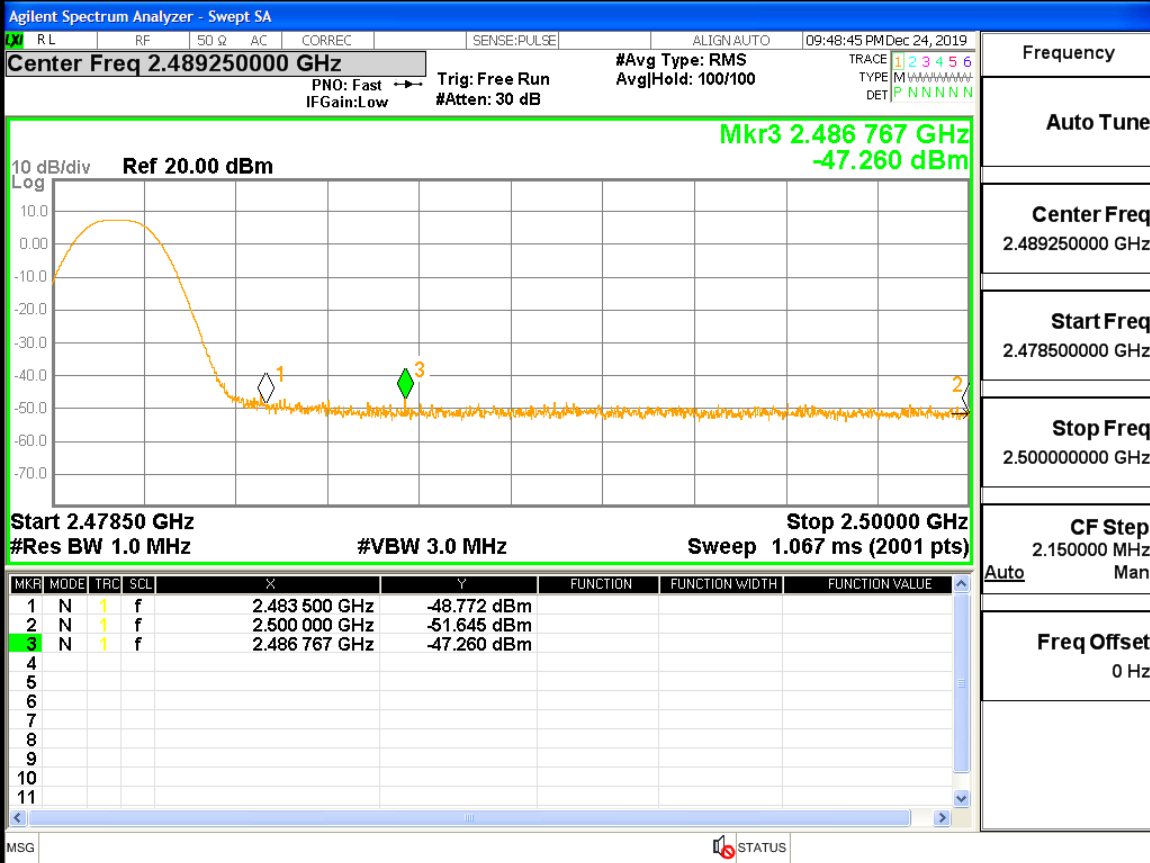


A.7. Restrict-band band-edge measurements

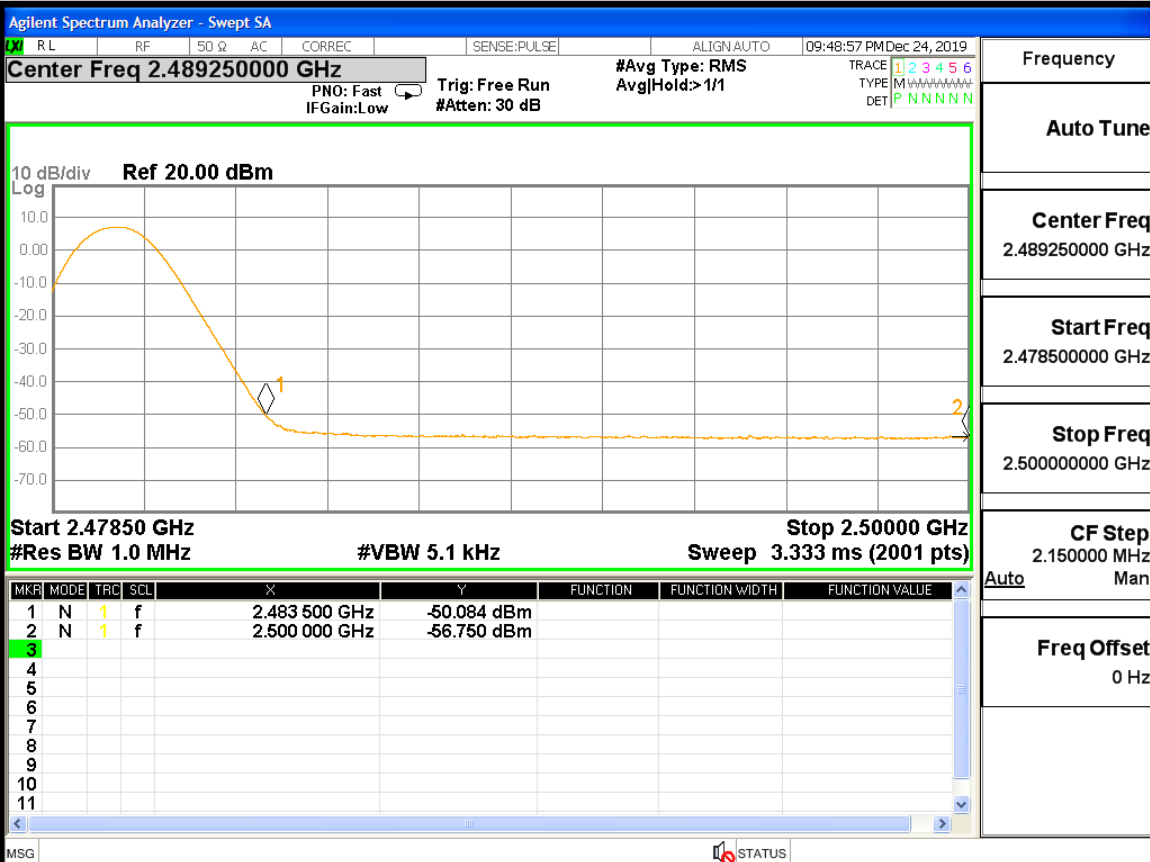
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2310	2.00	0.00	-50.431	46.769	74	Pass
BLE	2480	2486.767	2.00	0.00	-47.26	49.94	74	Pass

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2310	2.00	0.00	-57.374	39.826	54	Pass
BLE	2480	2486.767	2.00	0.00	-50.084	47.116	54	Pass

Restrict-band band-edge measurements_BLE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BLE_2480_Ant1_AV



A.8. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE	2440	Ant1	62.98	PASS

