Appendix A

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

Product Name: 4G Mobile phone

Trade Mark: NYX Mobile

Test Model: Nickel

FCC ID: YPVITALCOMNICKEL

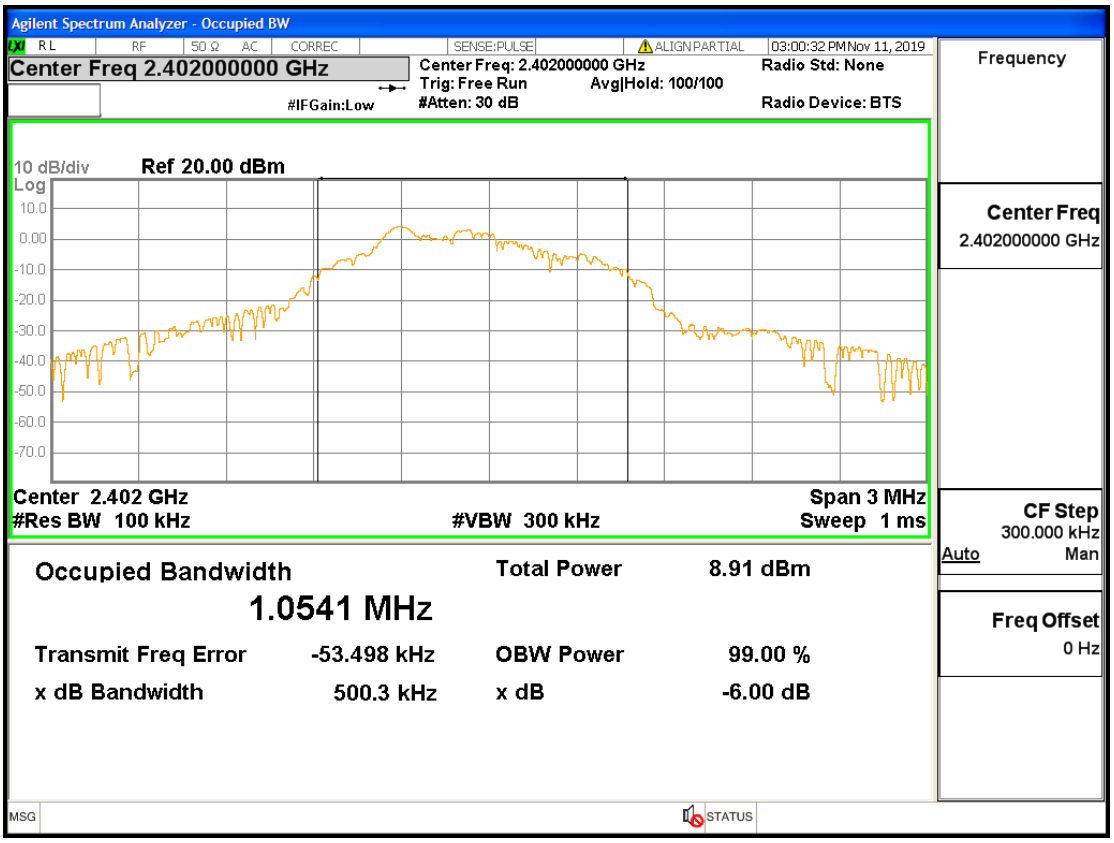
Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

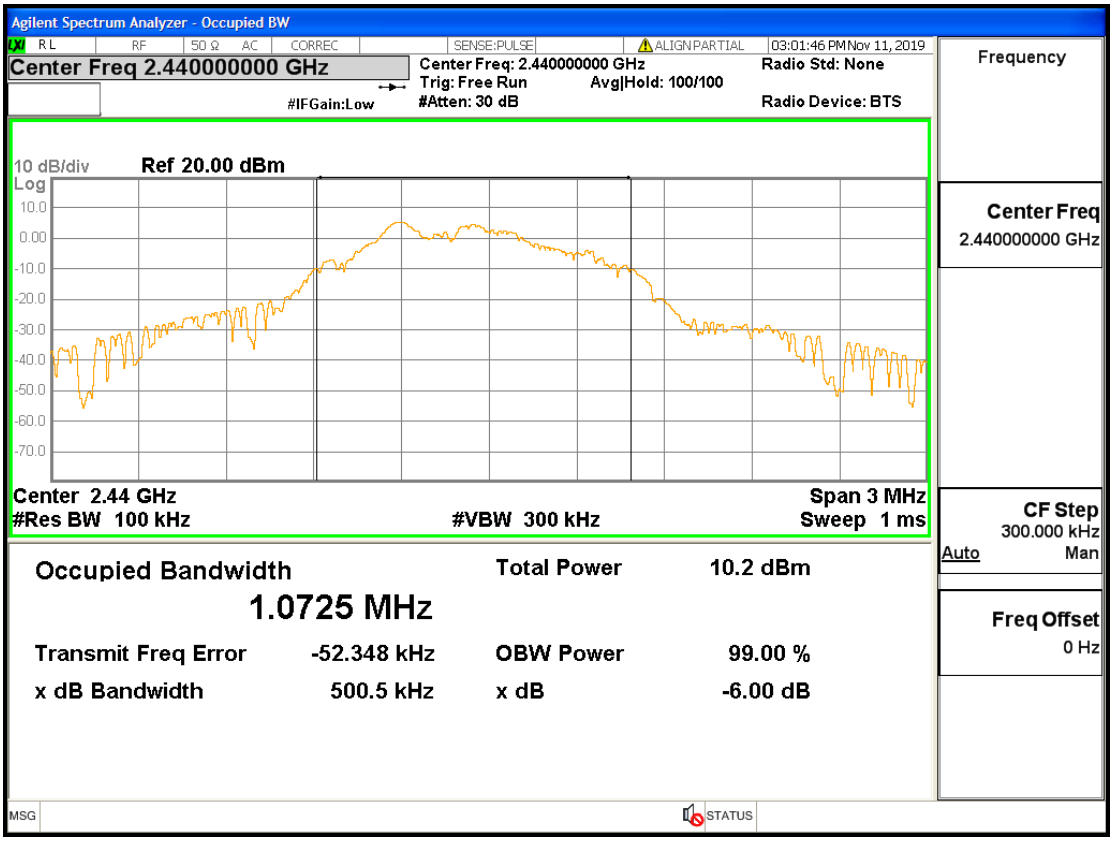
A.1. 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.500	0.5	PASS
BLE	2440	Ant1	0.501	0.5	PASS
BLE	2480	Ant1	0.501	0.5	PASS

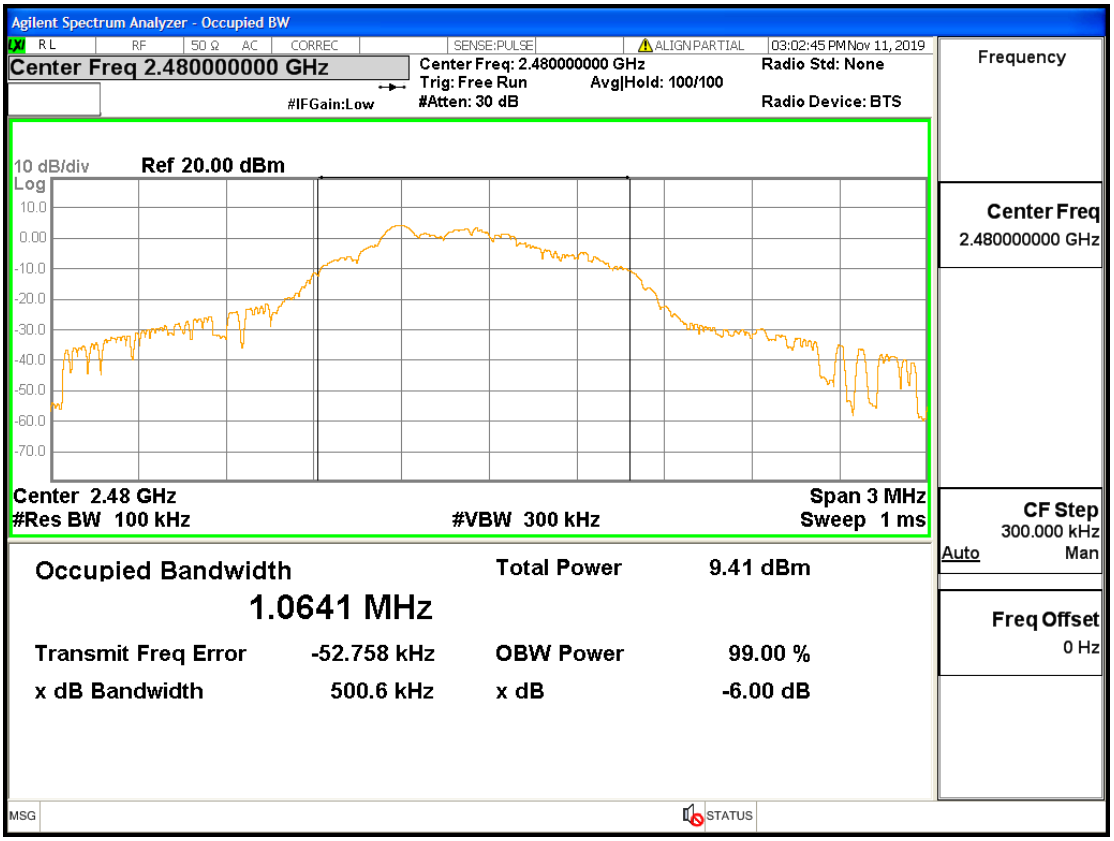
6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1



6dB Bandwidth_BLE_2480_Ant1



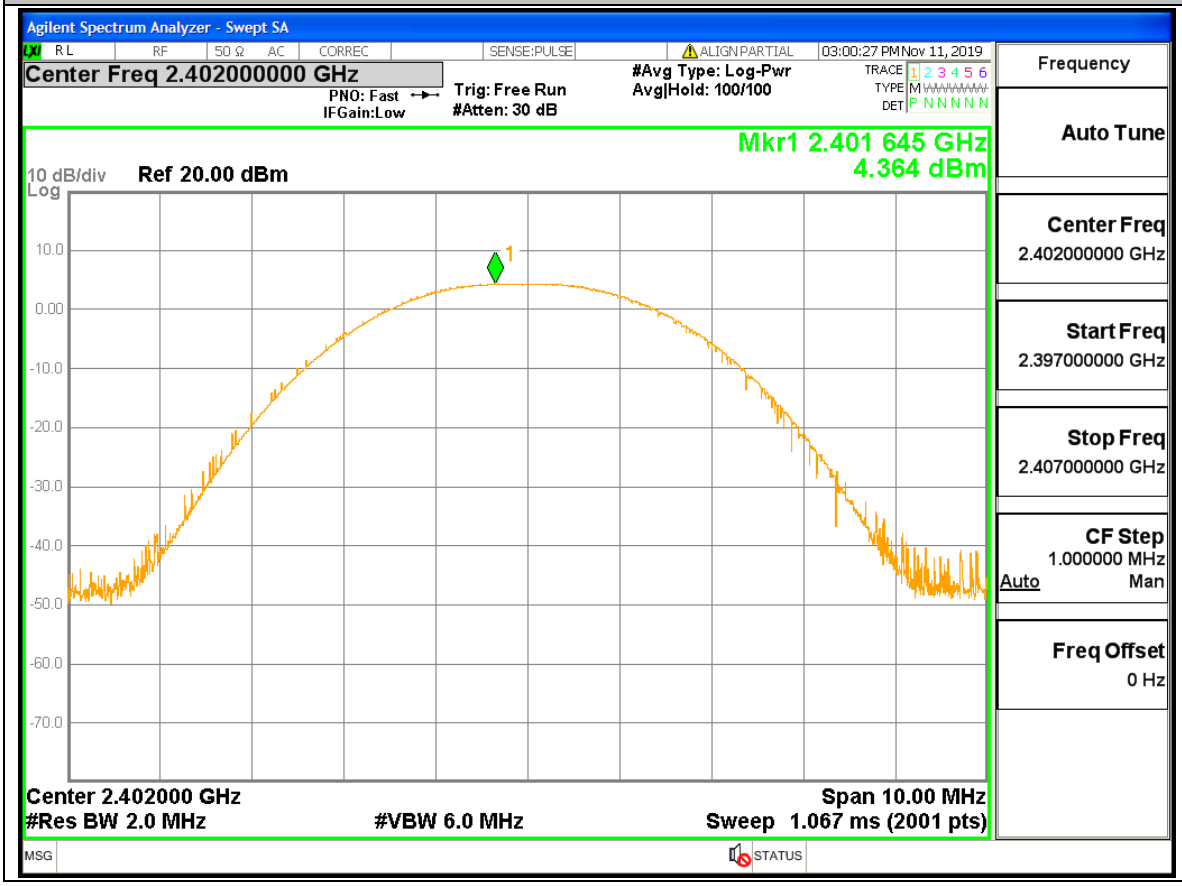
A.2. Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict

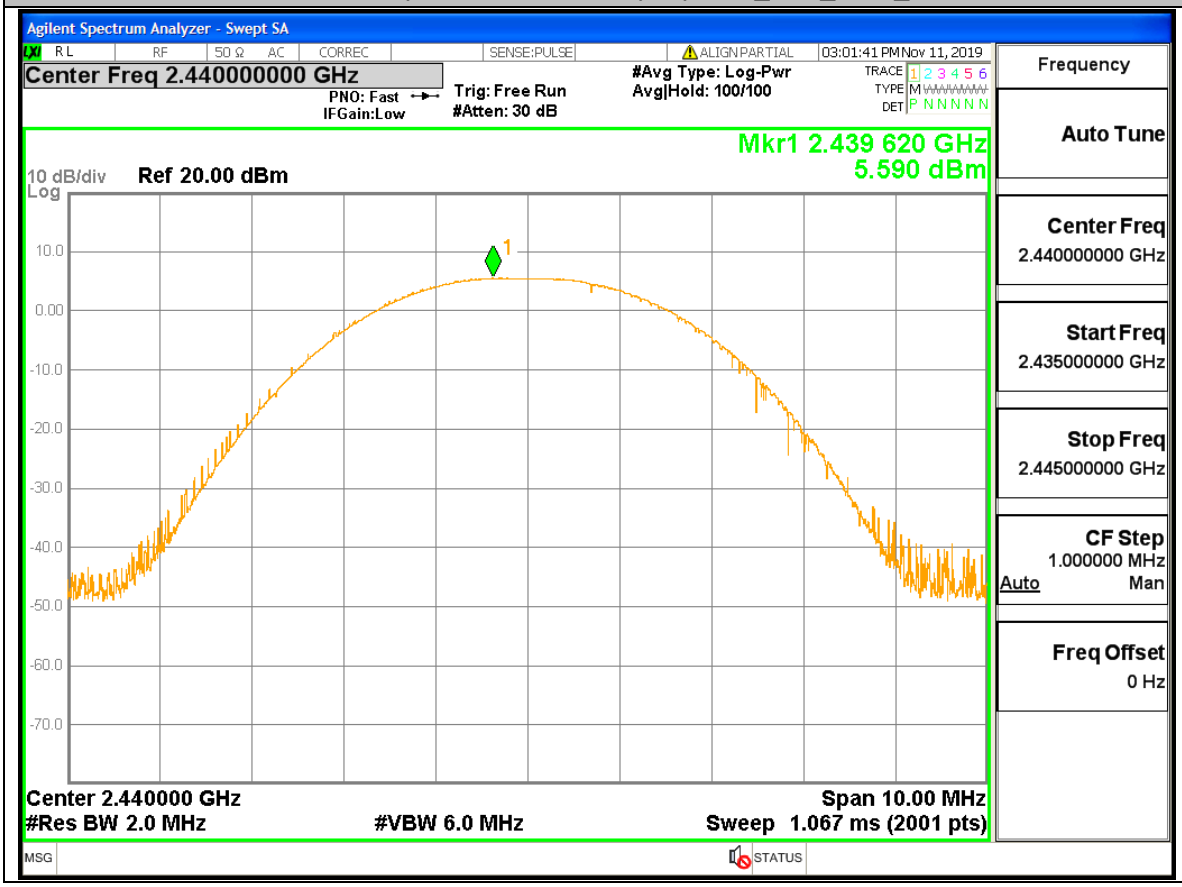
A.3. Maximum peak conducted output power

Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	4.364	30	PASS
BLE	2440	Ant1	5.590	30	PASS
BLE	2480	Ant1	4.600	30	PASS

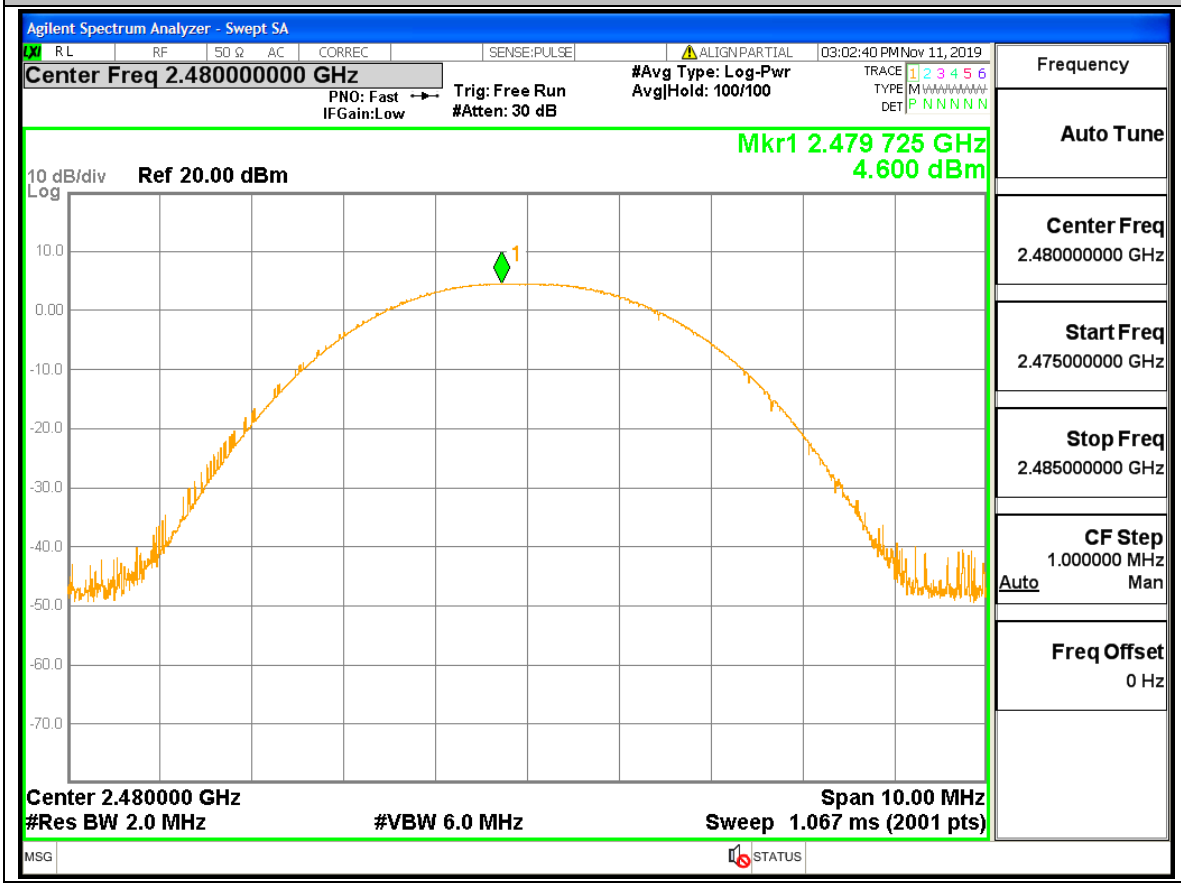
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



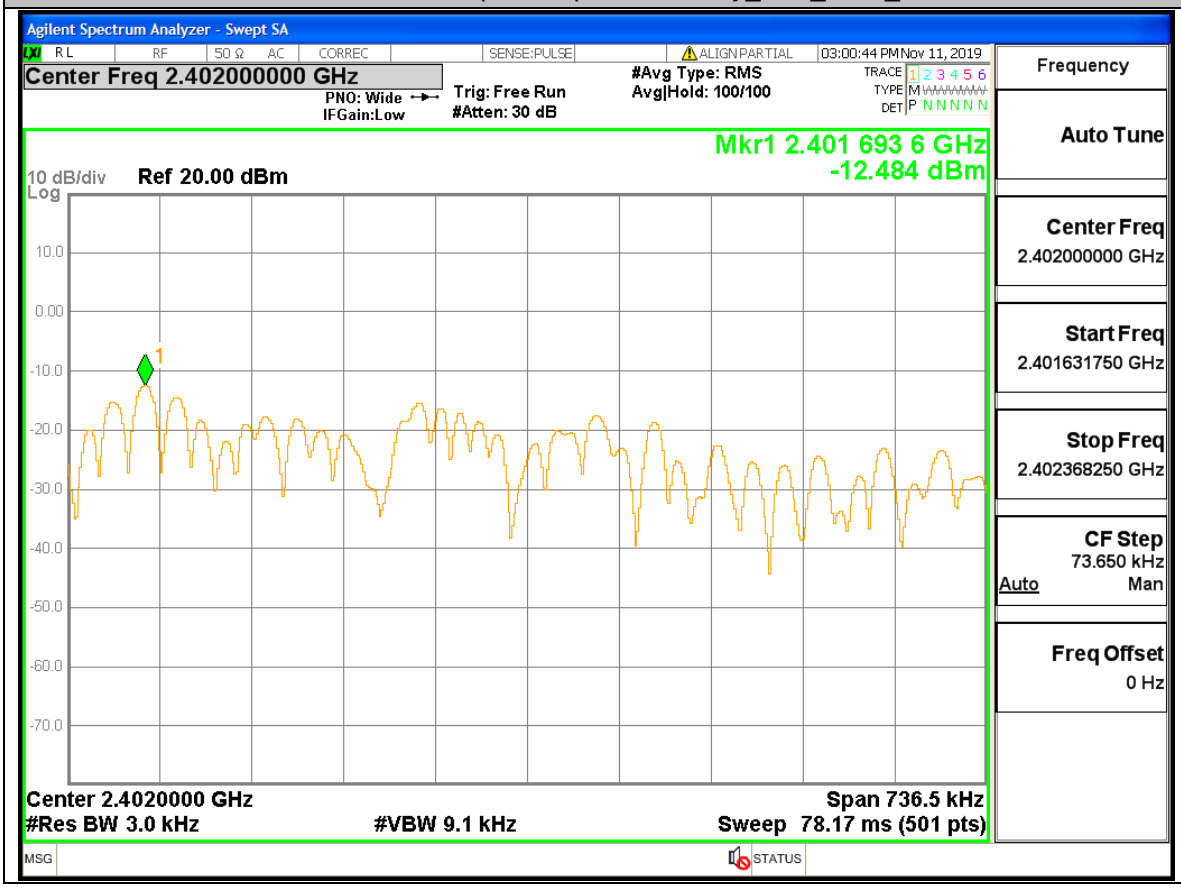
Maximum peak conducted output power_BLE_2480_Ant1



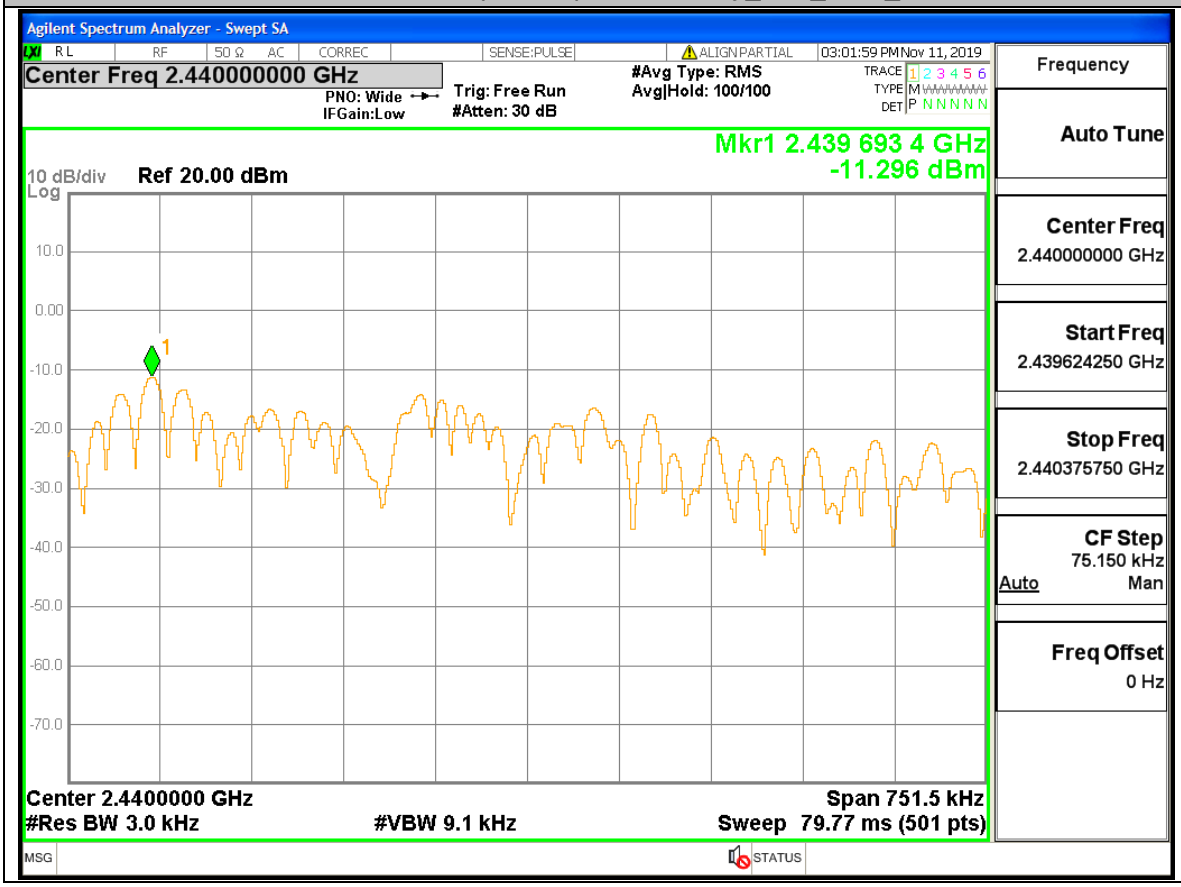
A.4. Maximum Peak power spectral density

Test	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-12.484	8.00	PASS
BLE	2440	Ant1	-11.296	8.00	PASS
BLE	2480	Ant1	-12.255	8.00	PASS

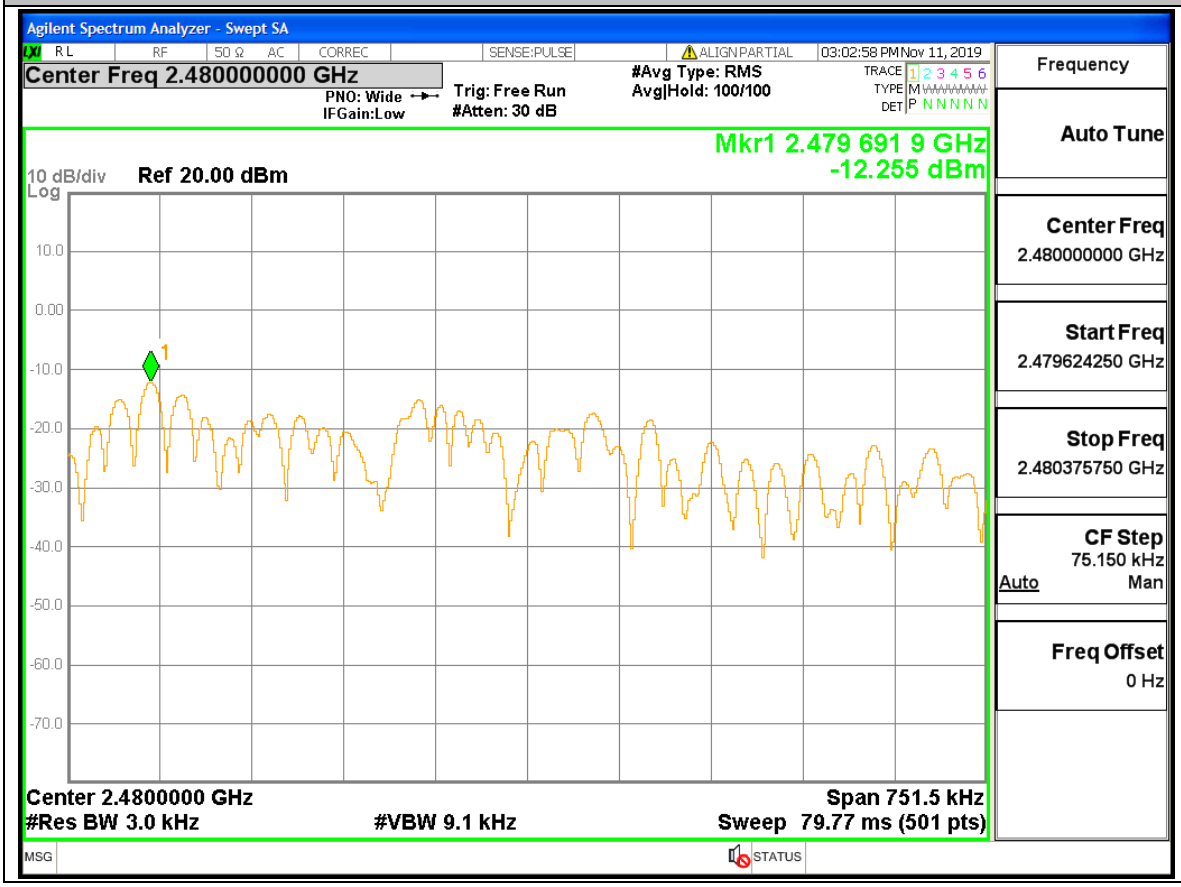
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



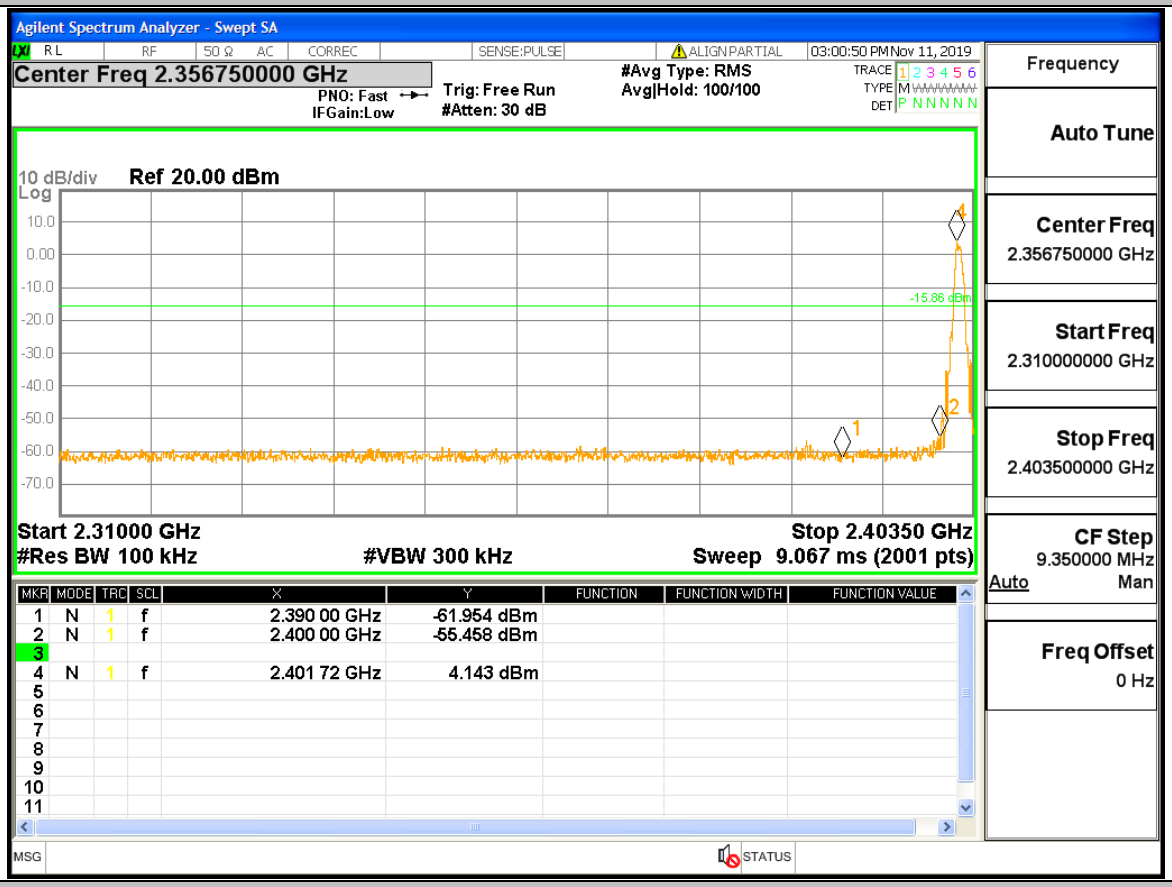
Maximum Peak power spectral density_BLE_2480_Ant1



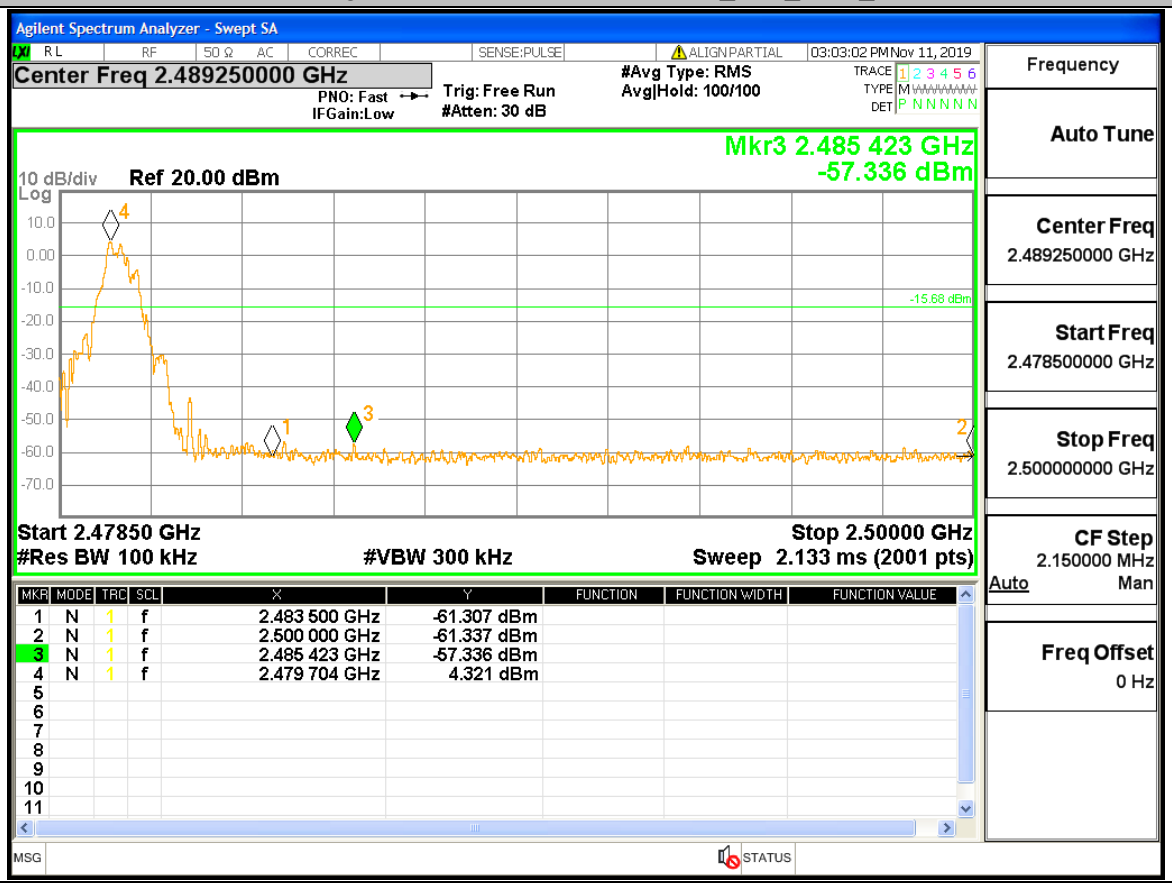
A.5. Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2402	2400	4.143	-55.460	-15.857	Pass
BLE	2480	2485.423	4.321	-57.336	-15.679	Pass

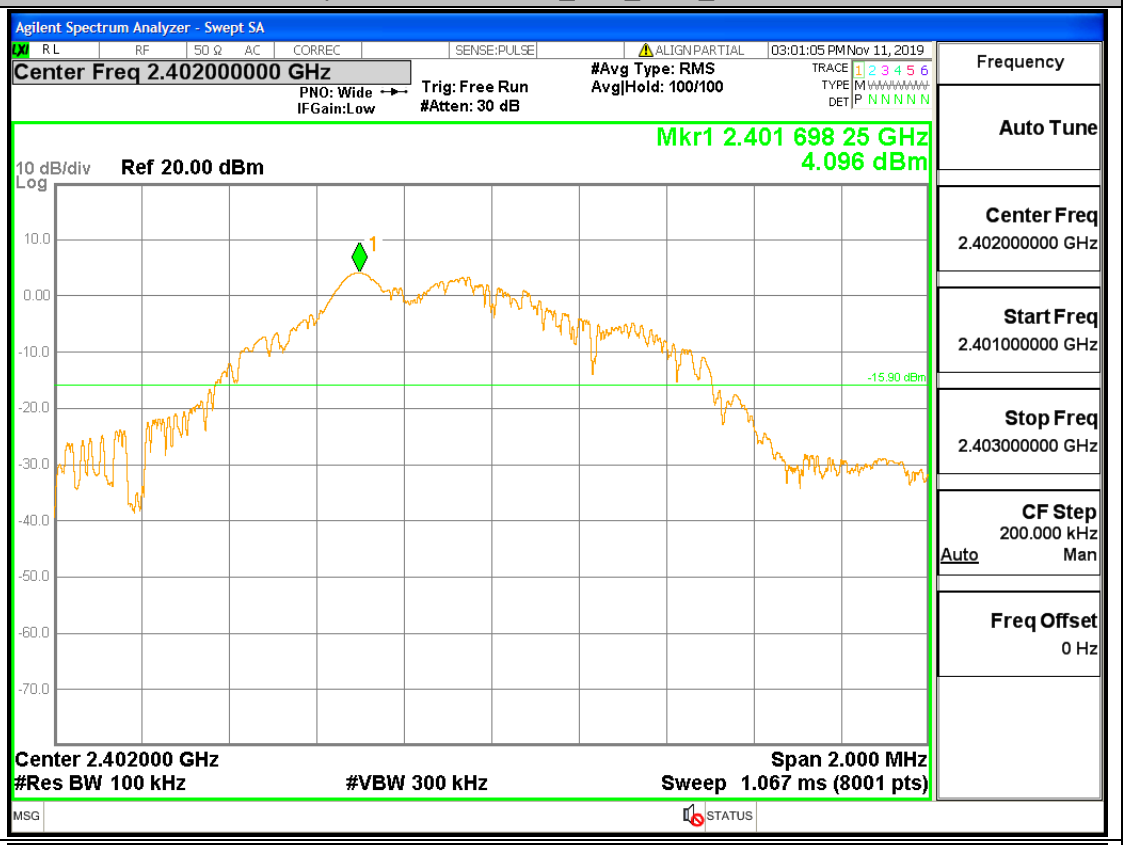
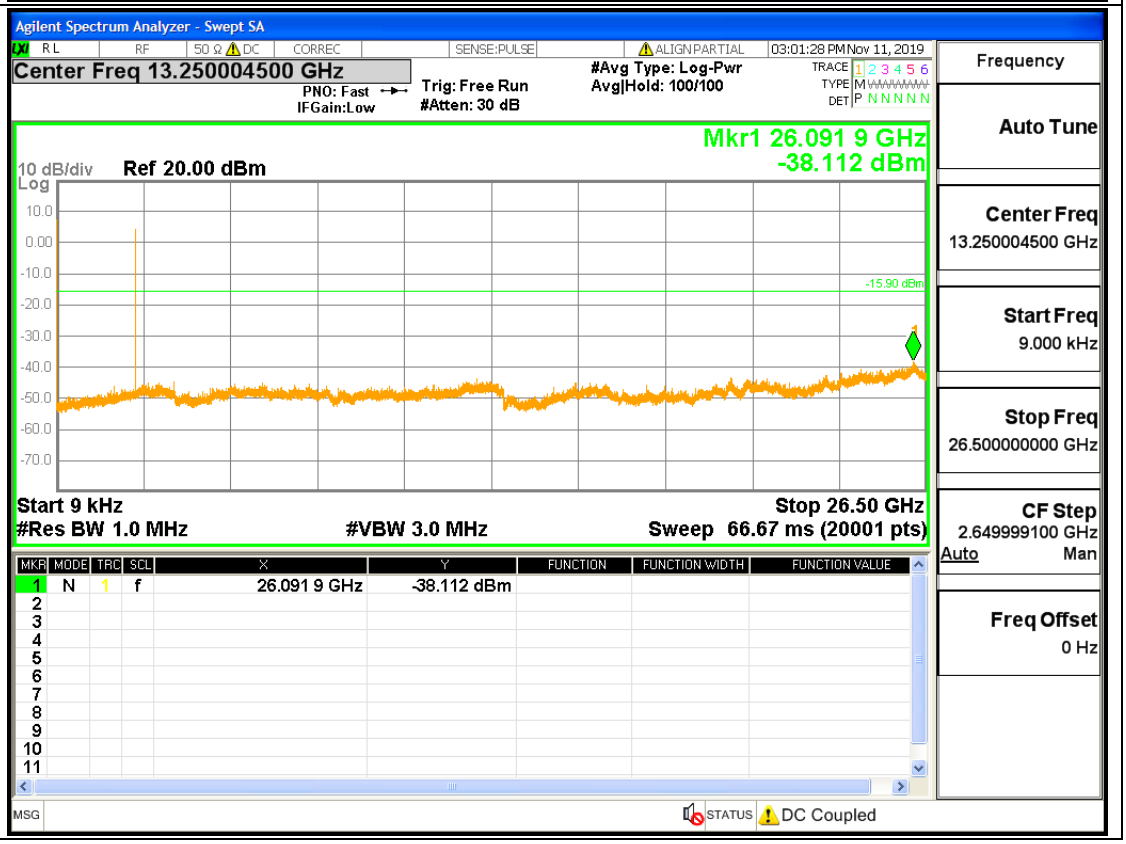
Band-edge for RF Conducted Emissions_BLE_2402_Ant1

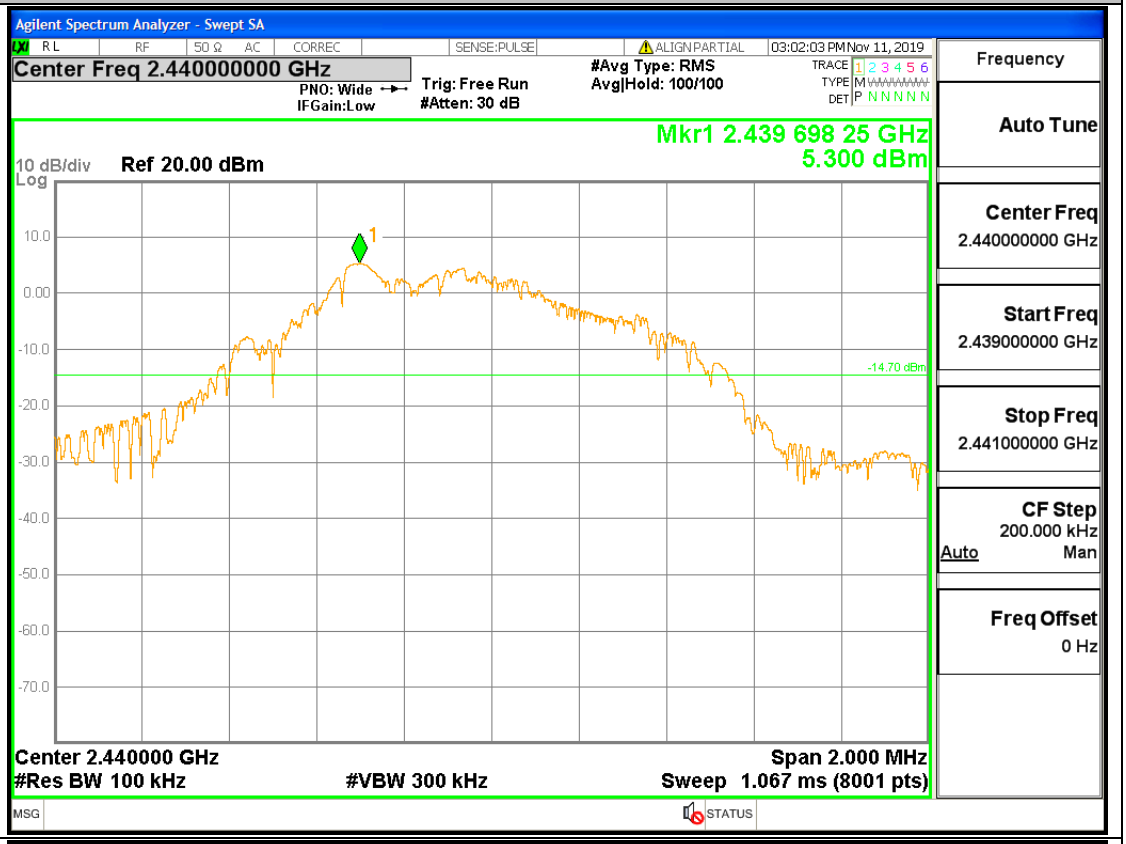
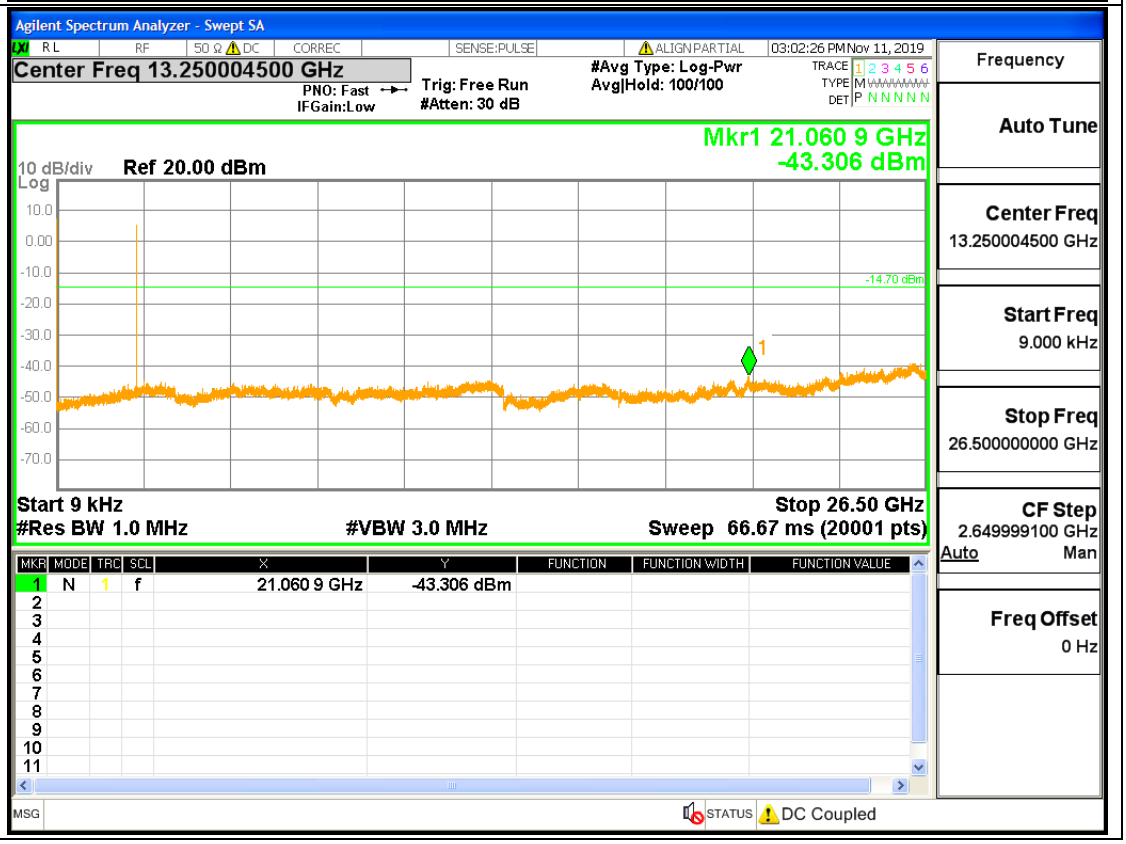


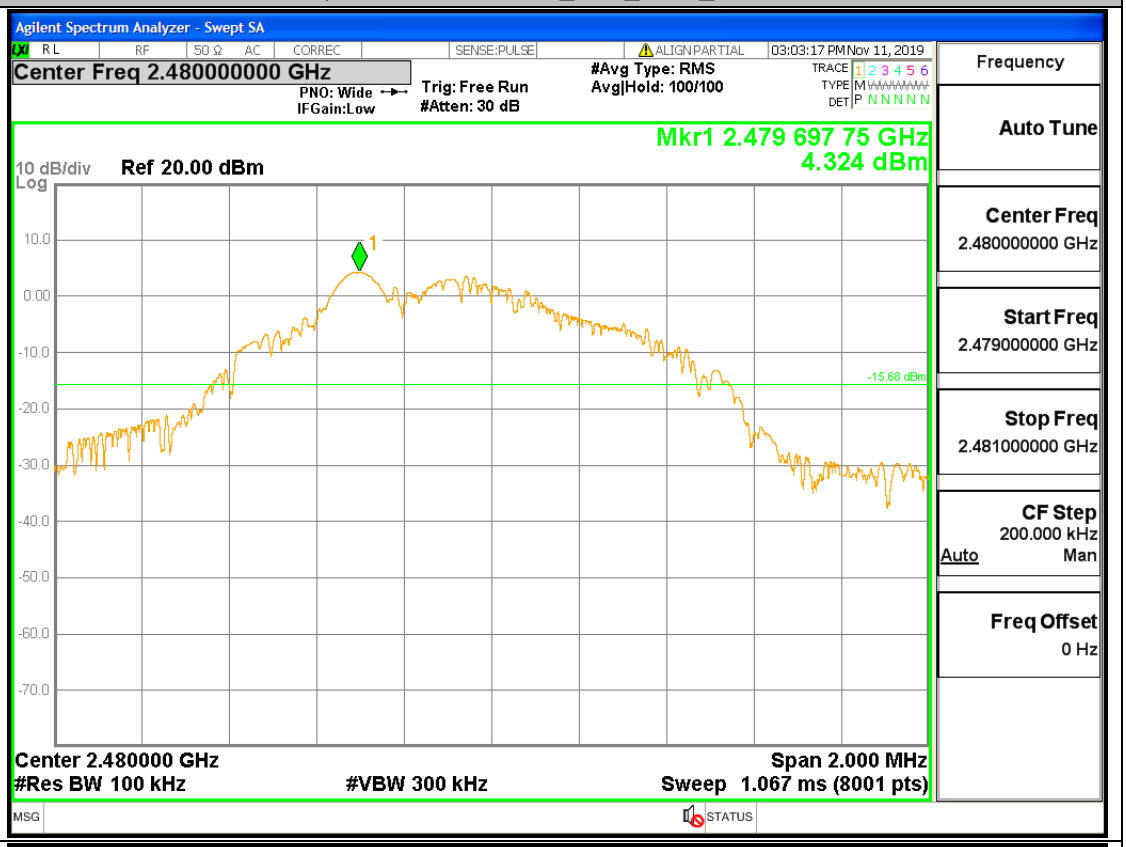
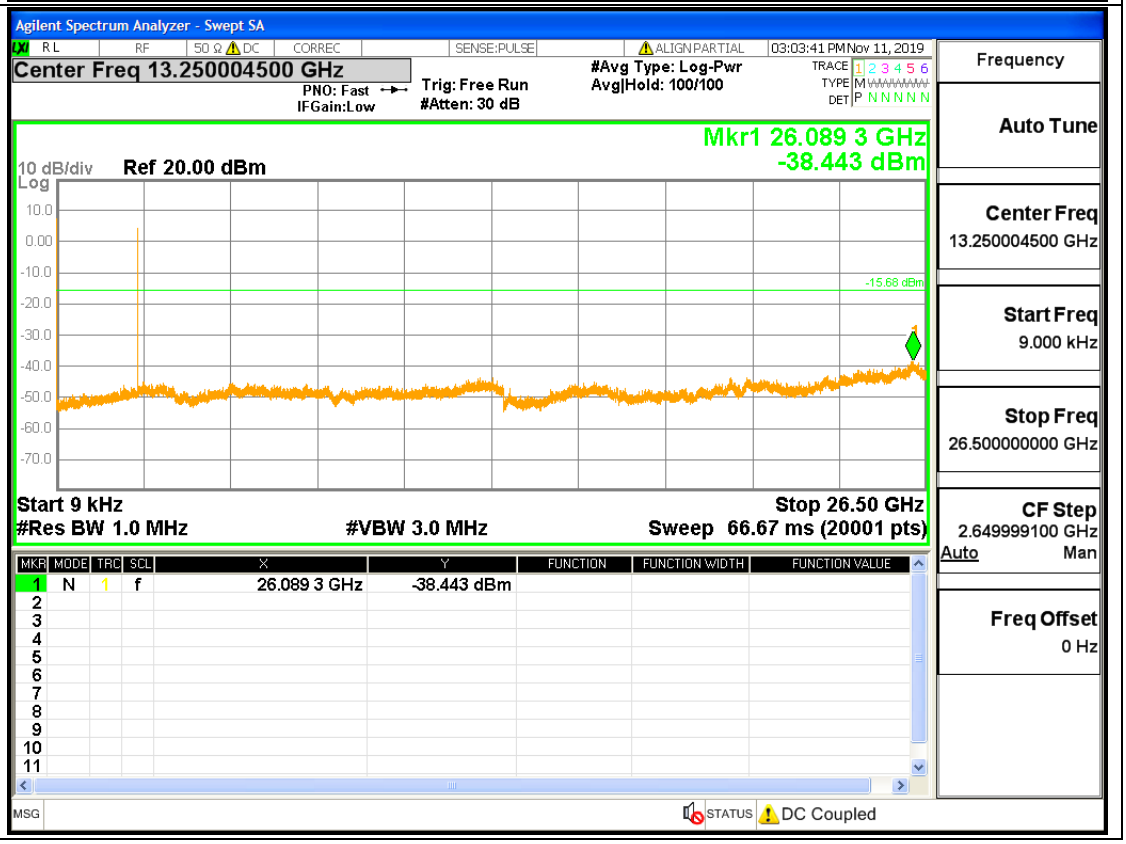
Band-edge for RF Conducted Emissions_BLE_2480_Ant1



A.6. RF Conducted Spurious Emissions

RF Conducted Spurious Emissions_BLE_2402_Ant1	
Pref	
Puw	

RF Conducted Spurious Emissions_BLE_2440_Ant1	
Pref	
Puw	

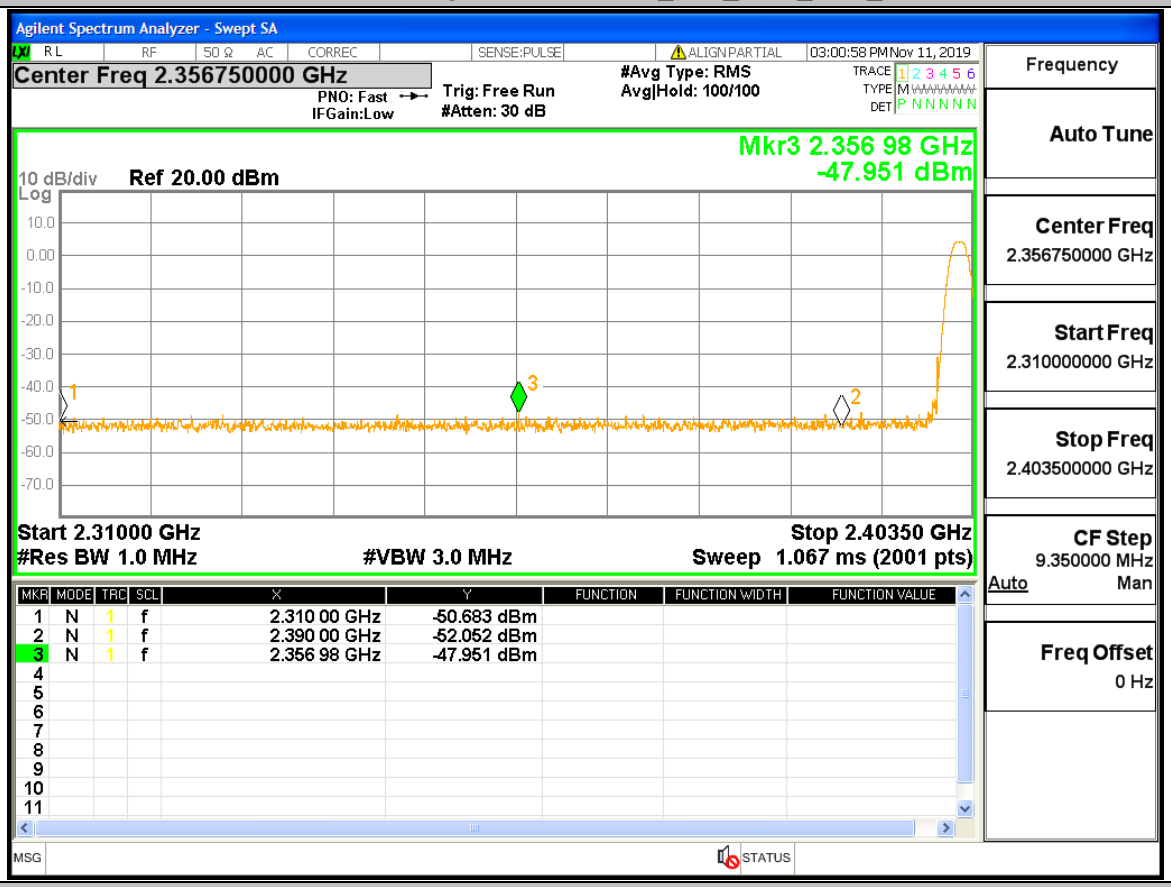
RF Conducted Spurious Emissions_BLE_2480_Ant1	
Pref	
Puw	

A.7. Restrict-band band-edge measurements

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain （dBi）	Ground Factor（dB）	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2356.984	2.10	0.00	-47.951	49.349	74	Pass
BLE	2480	2484.456	2.10	0.00	-45.609	51.691	74	Pass

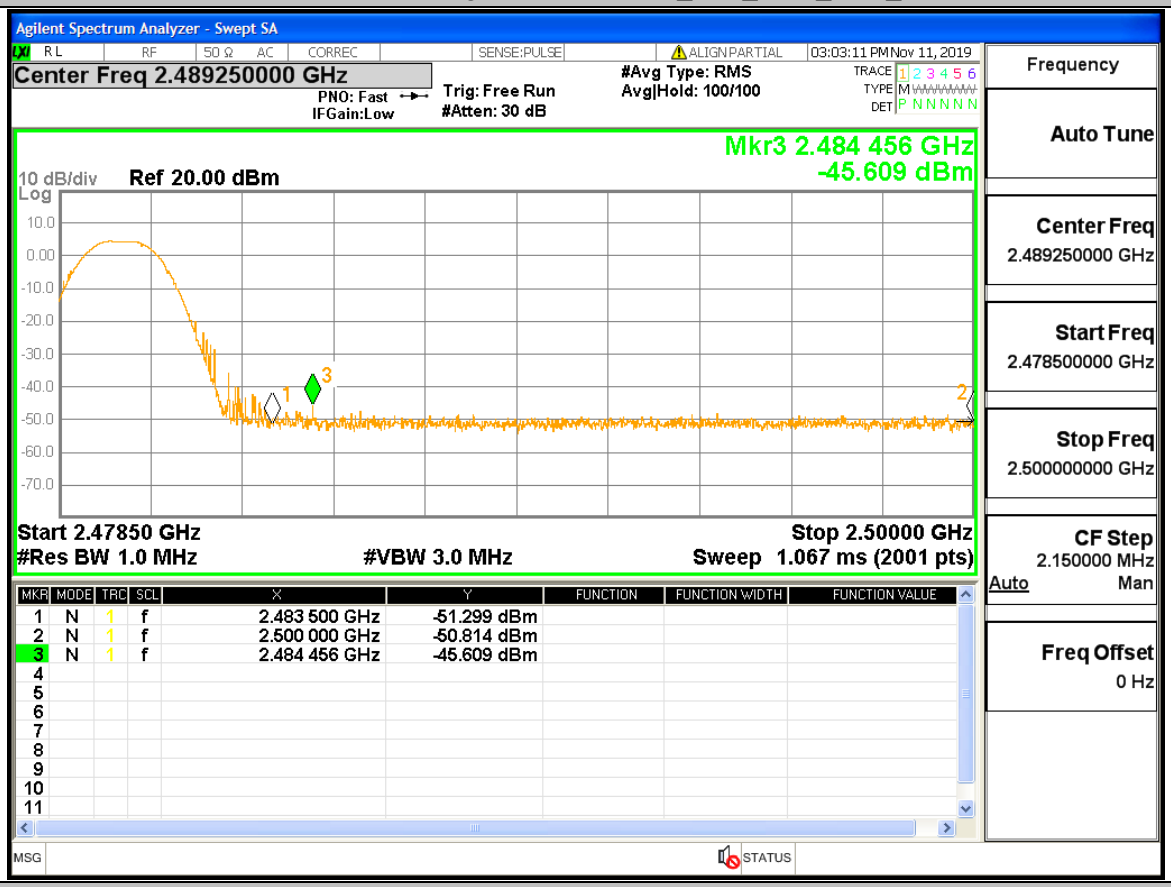
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain （dBi）	Ground Factor（dB）	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2356.984	2.10	0.00	-55.81	41.49	54	Pass
BLE	2480	2484.456	2.10	0.00	-53.25	44.05	54	Pass

Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK

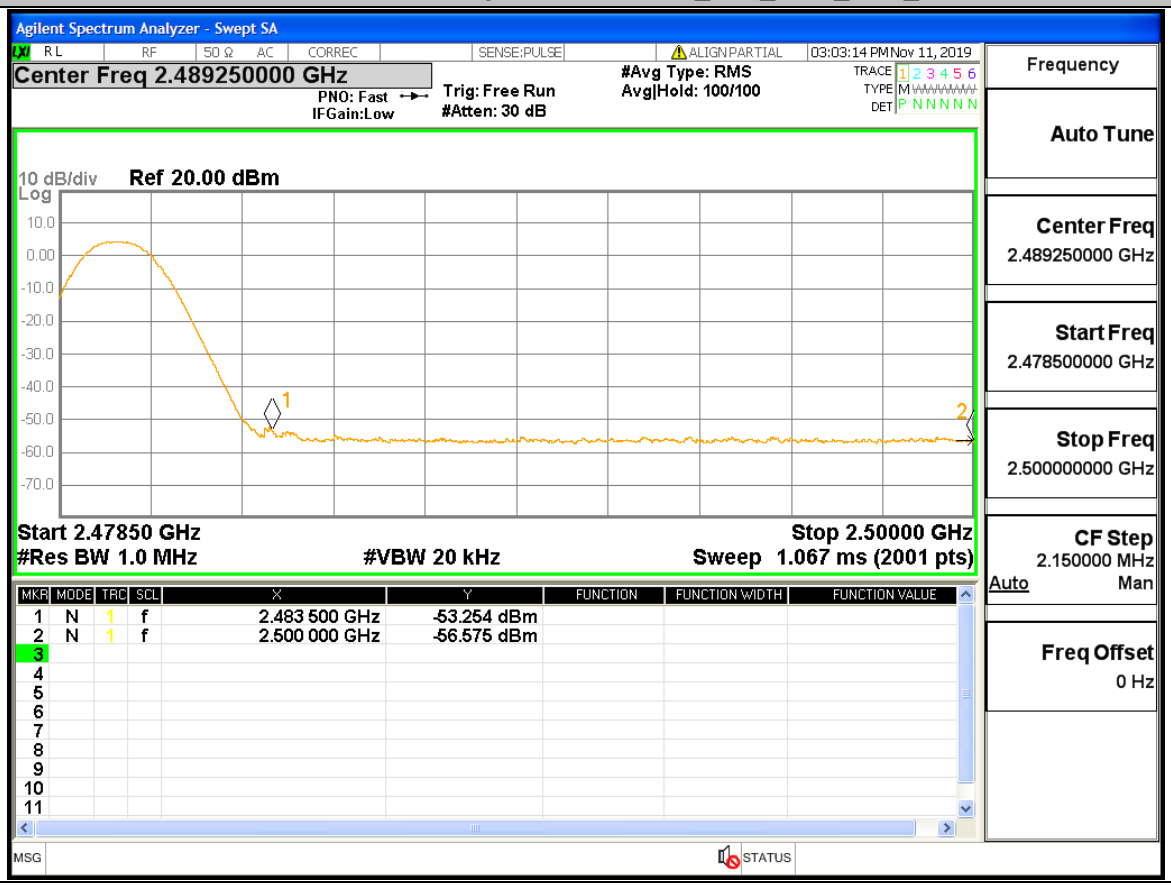


Restrict-band band-edge measurements_BLE_2402_Ant1_AV

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	63.14	PASS

Duty Cycle_BLE_2440_Ant1