

Appendix A

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

Product Name: 4K HDMI dongle

Trade Mark: /

Test Model: SN8BADE

FCC ID: 2A0VU-SN8BADX

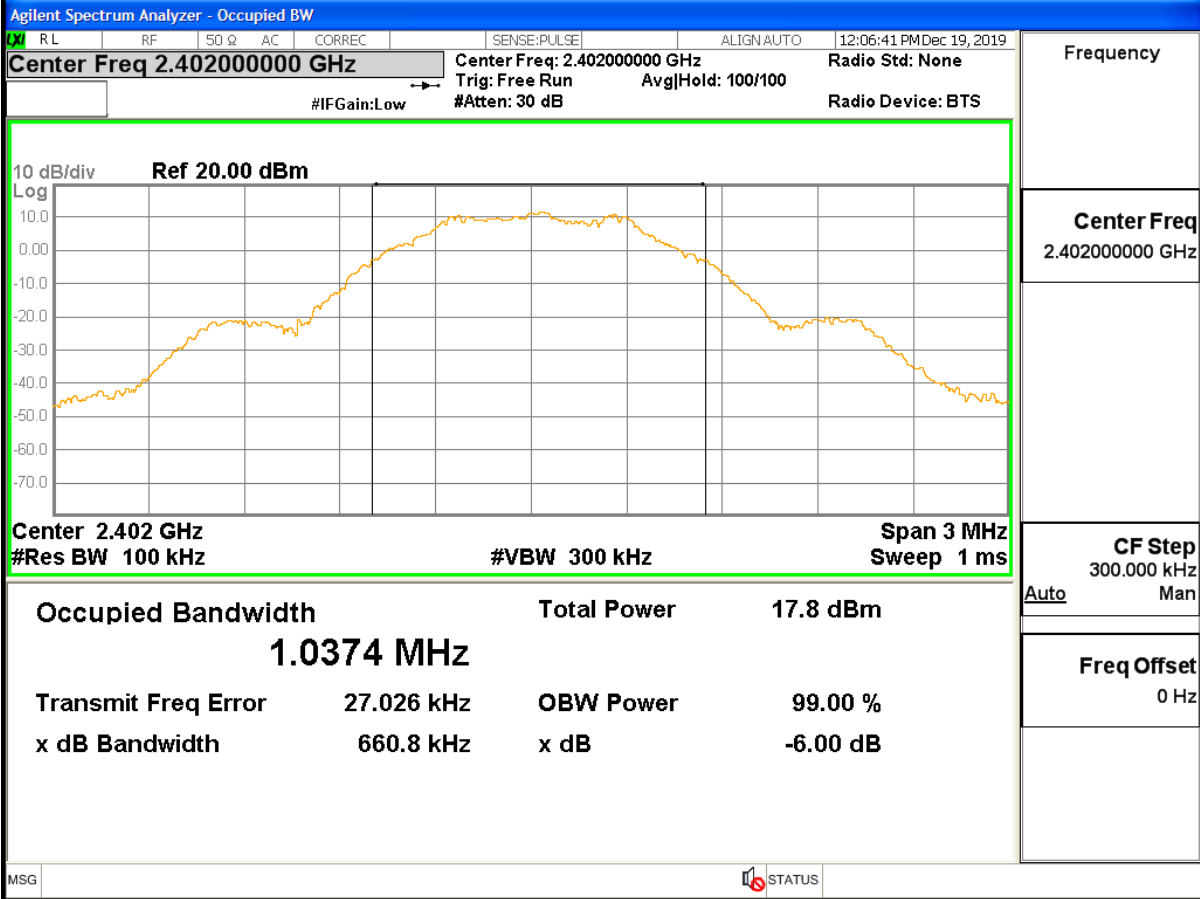
Environmental Conditions

Temperature:	24.4° C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

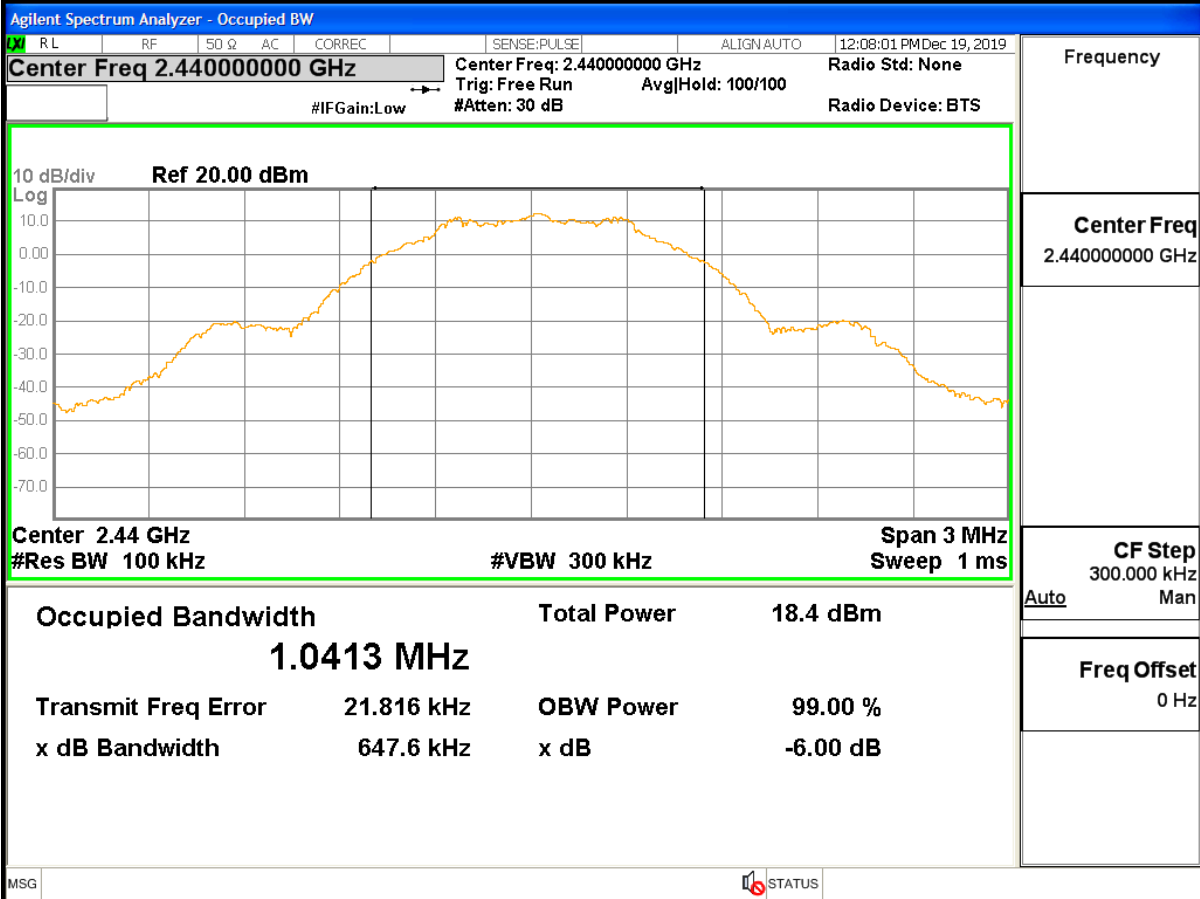
A.1. 6dB Bandwidth

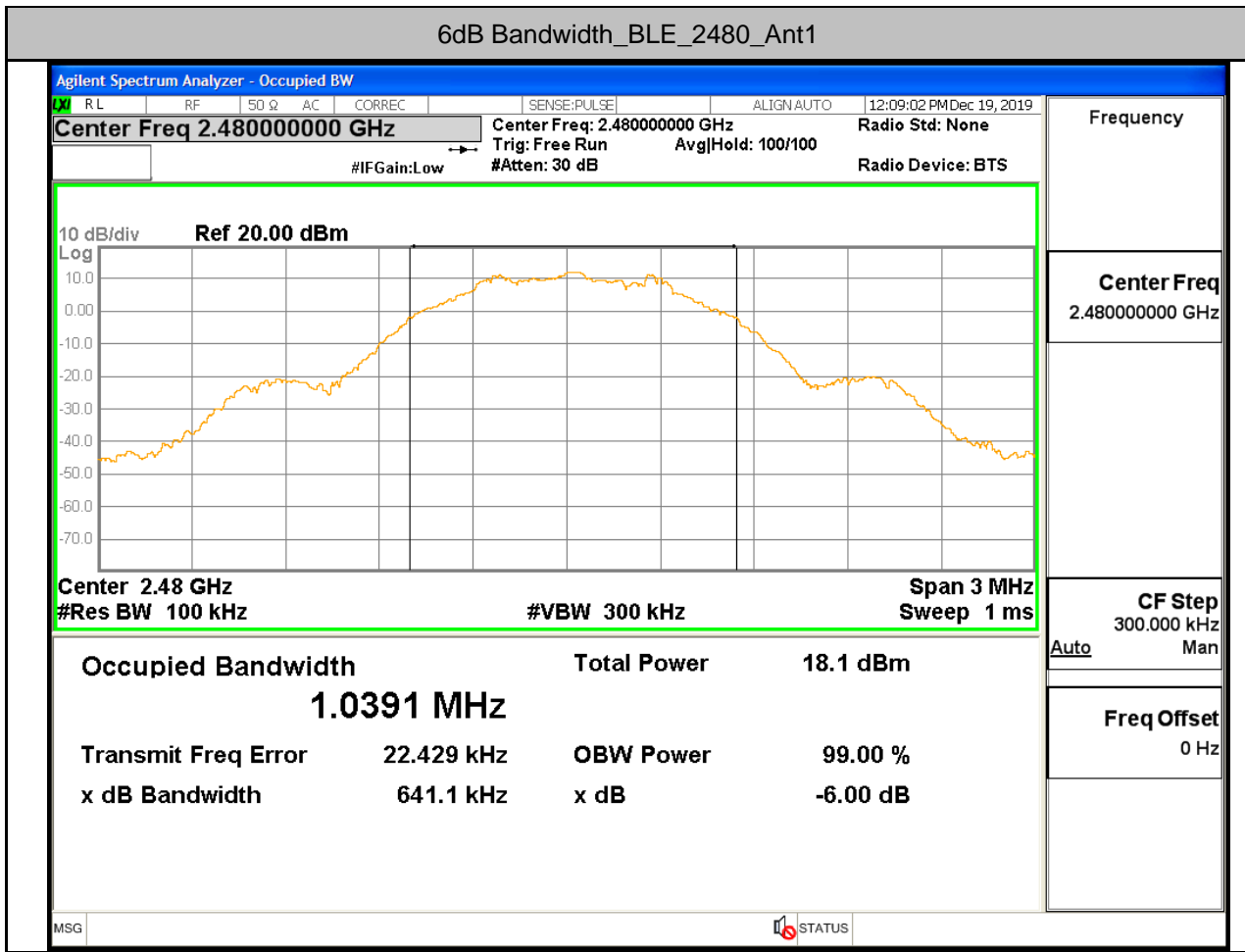
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.661	0.5	PASS
BLE	2440	Ant1	0.648	0.5	PASS
BLE	2480	Ant1	0.641	0.5	PASS

6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1





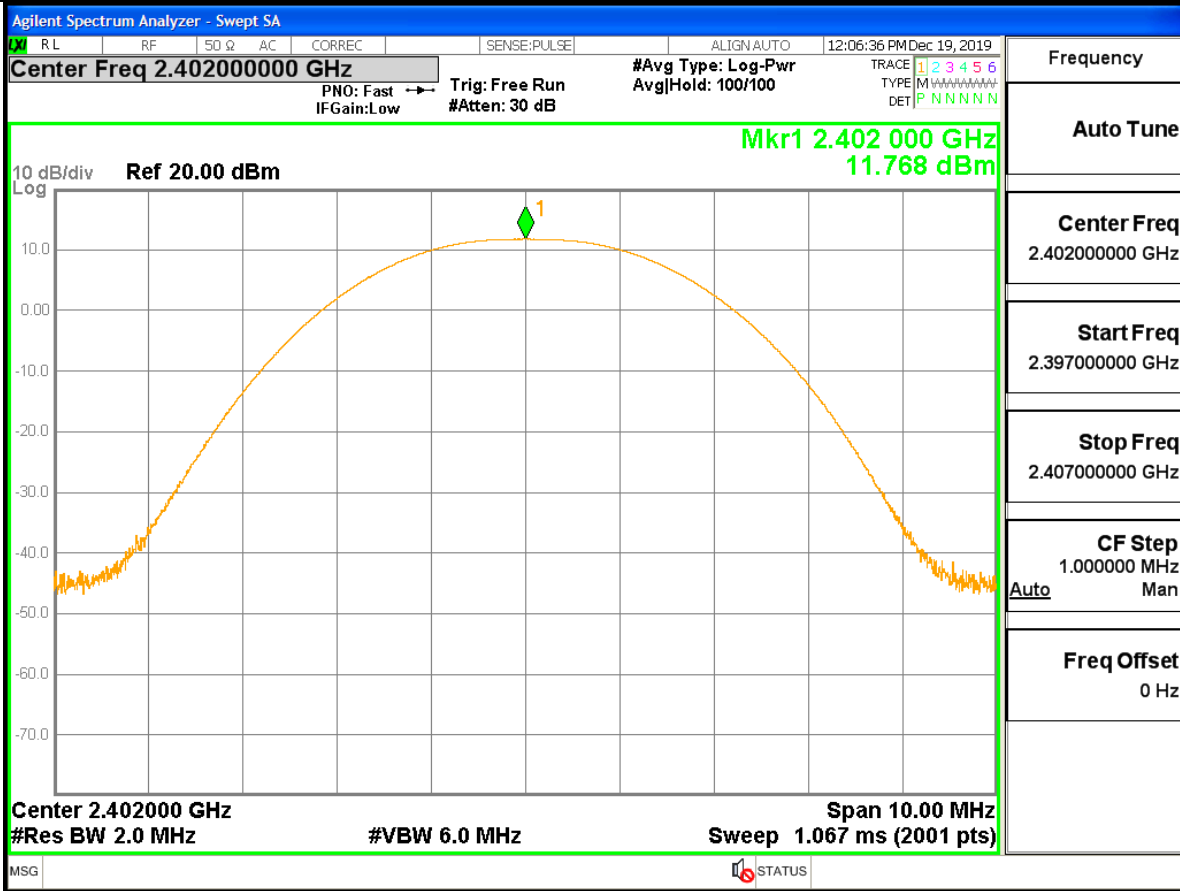
A.2. Occupied Bandwidth

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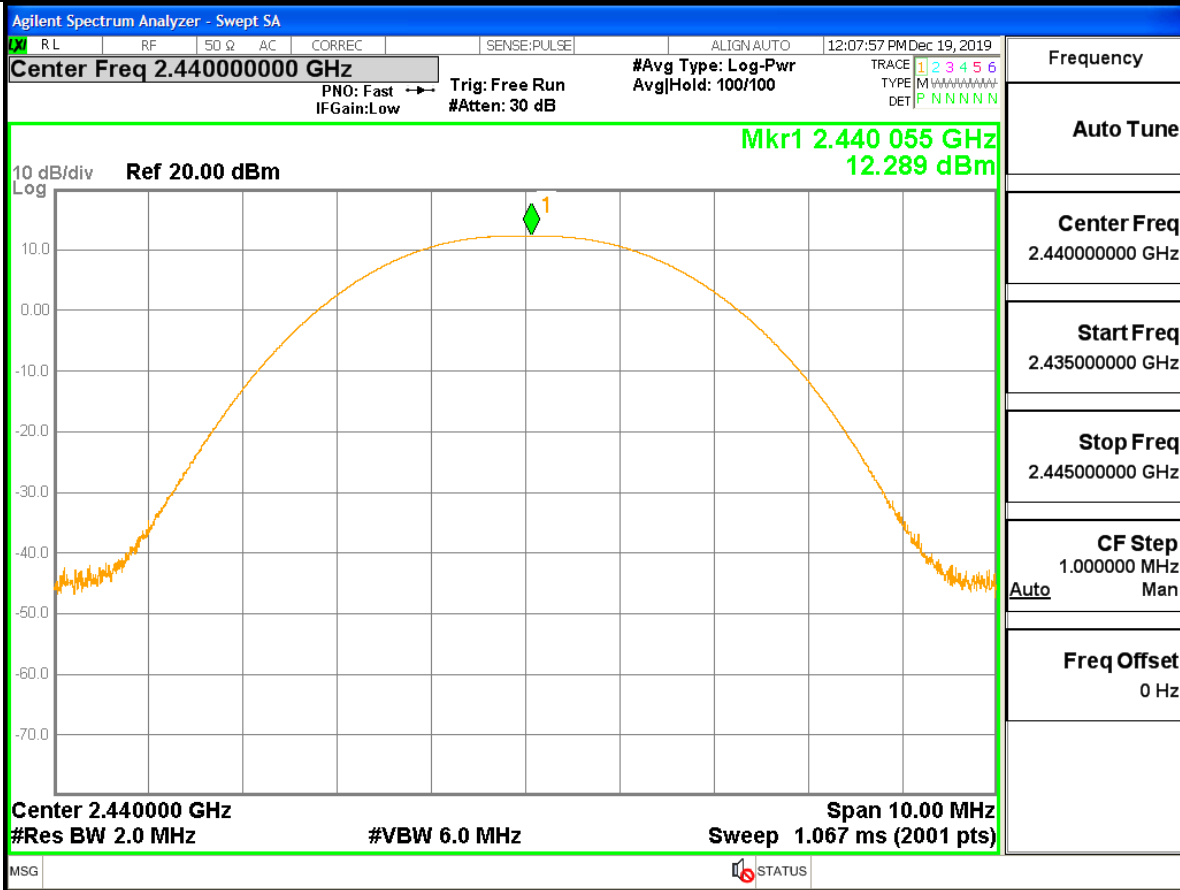
A.3. Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	11.768	30	PASS
BLE	2440	Ant1	12.289	30	PASS
BLE	2480	Ant1	12.175	30	PASS

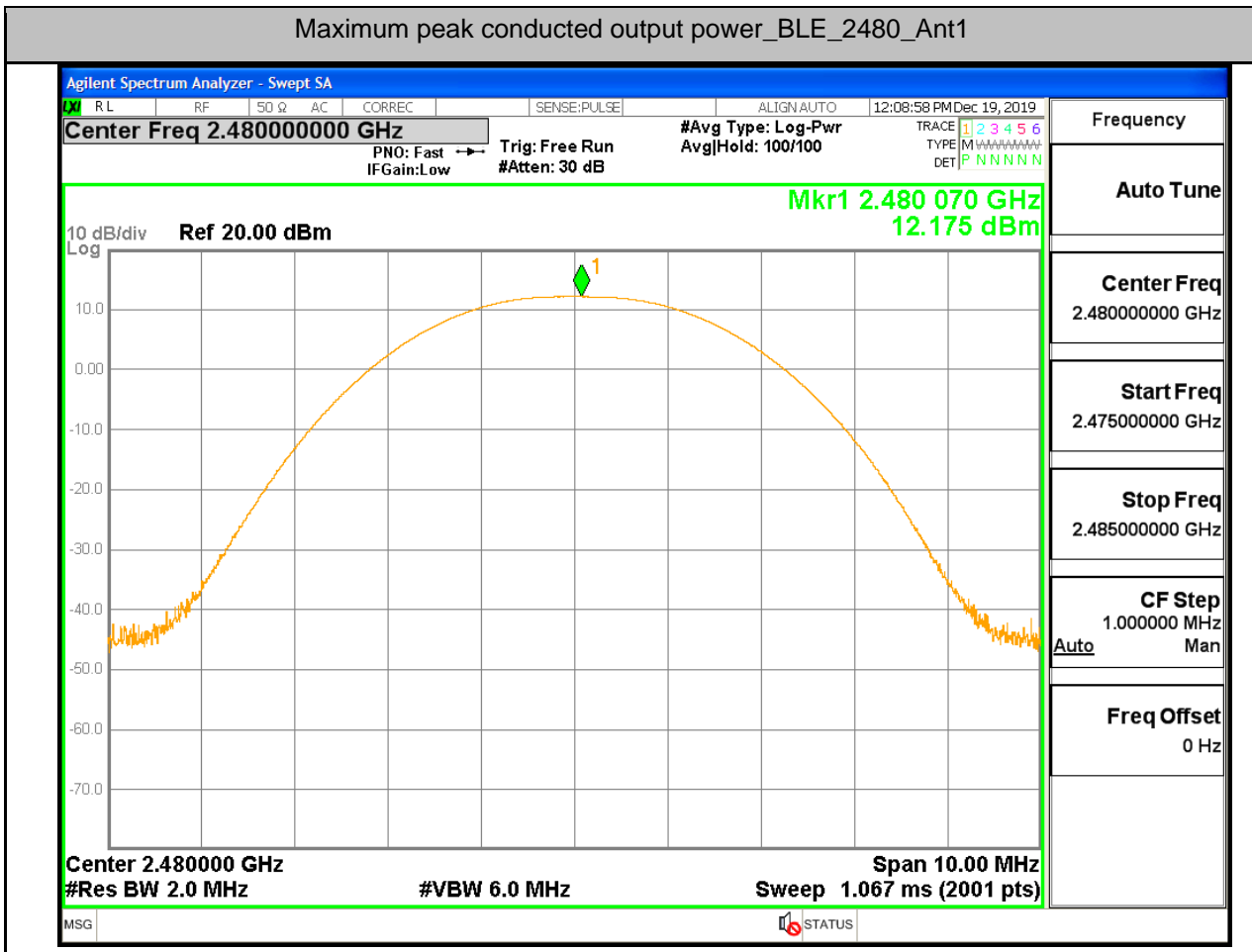
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



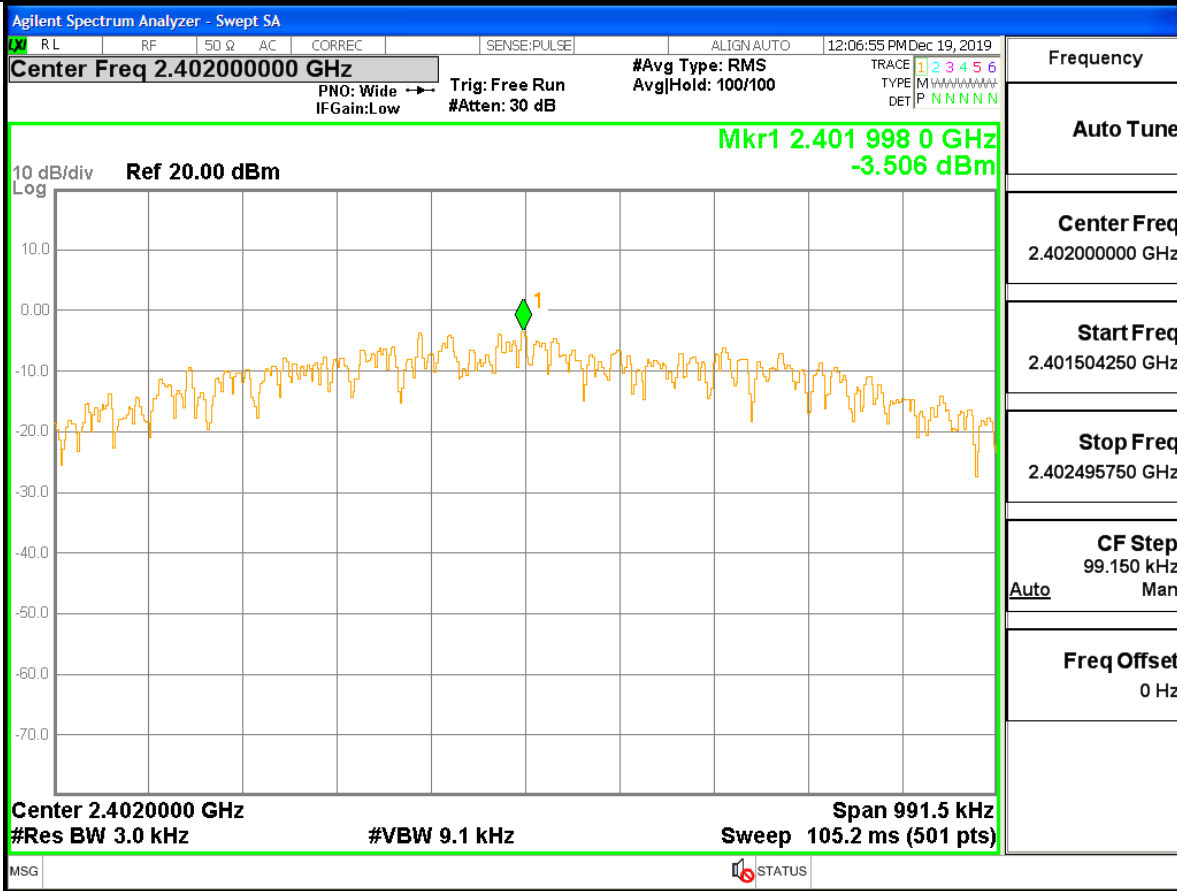
Maximum peak conducted output power_BLE_2480_Ant1



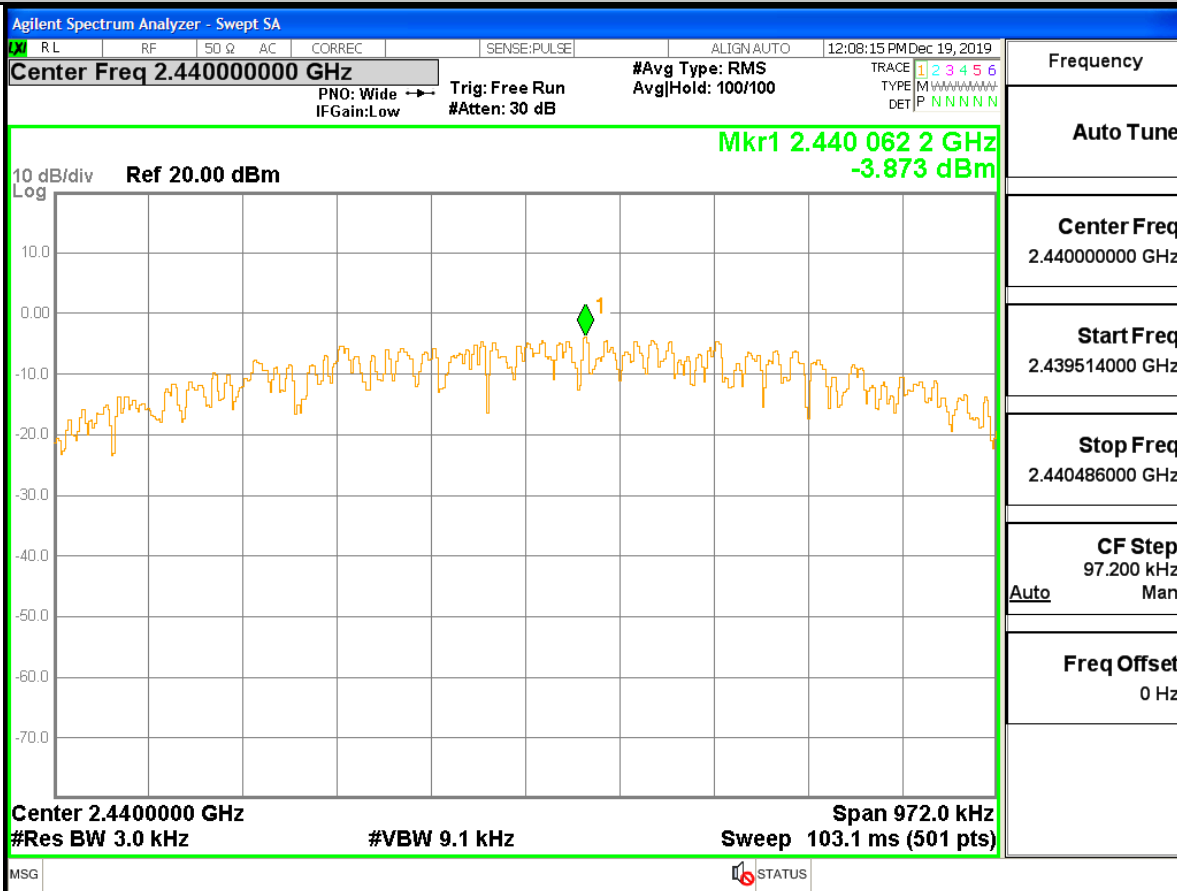
A.4. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-3.506	8.00	PASS
BLE	2440	Ant1	-3.873	8.00	PASS
BLE	2480	Ant1	-3.640	8.00	PASS

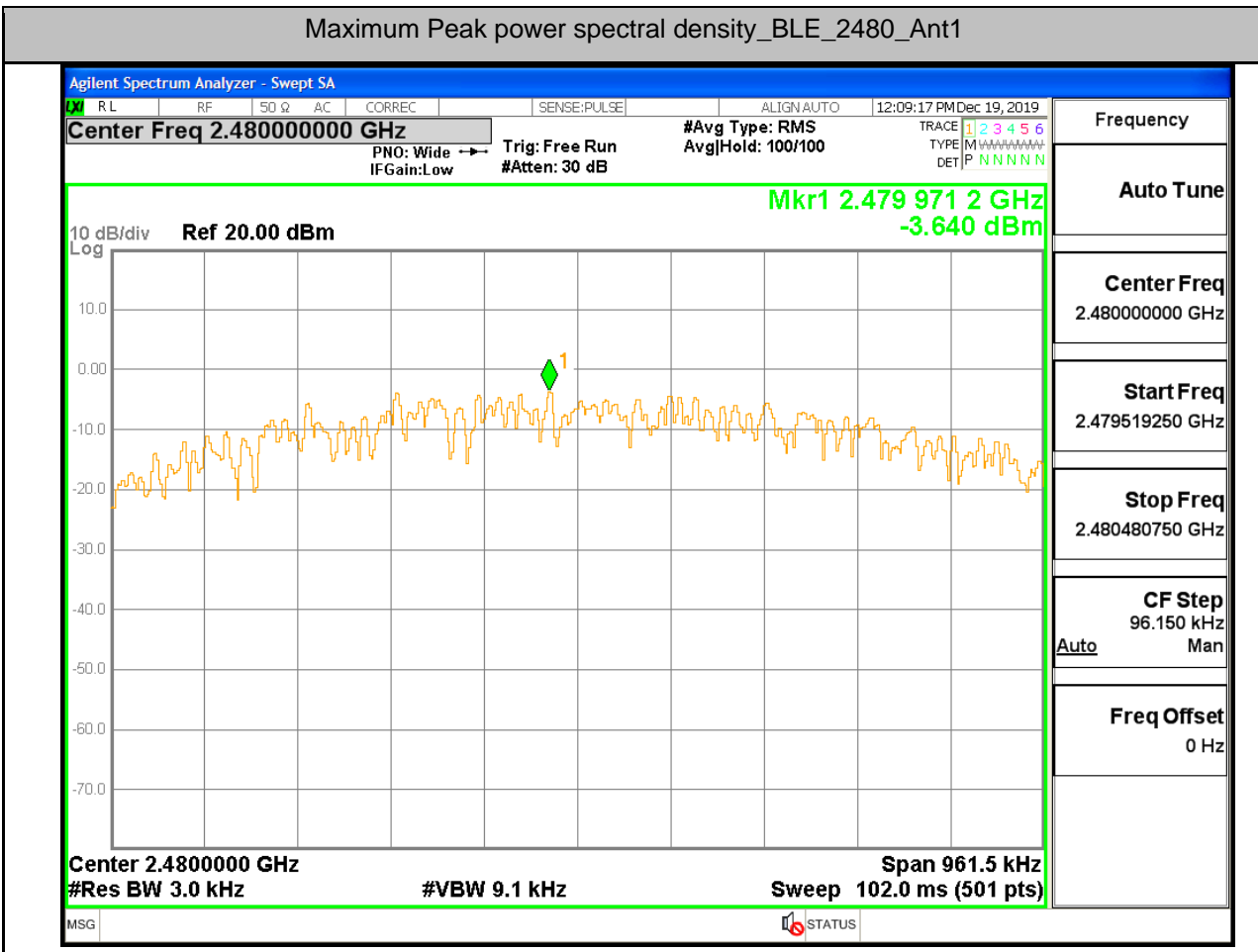
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



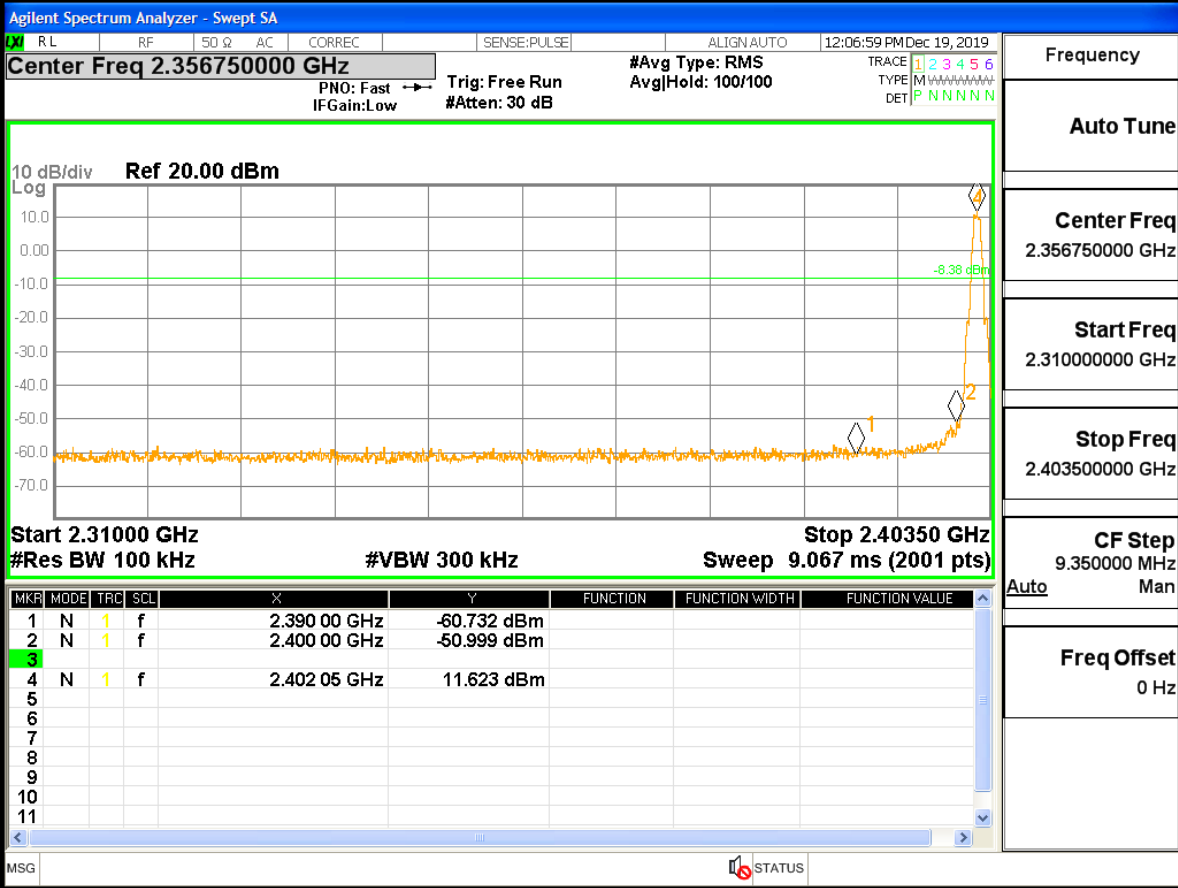
Maximum Peak power spectral density_BLE_2480_Ant1



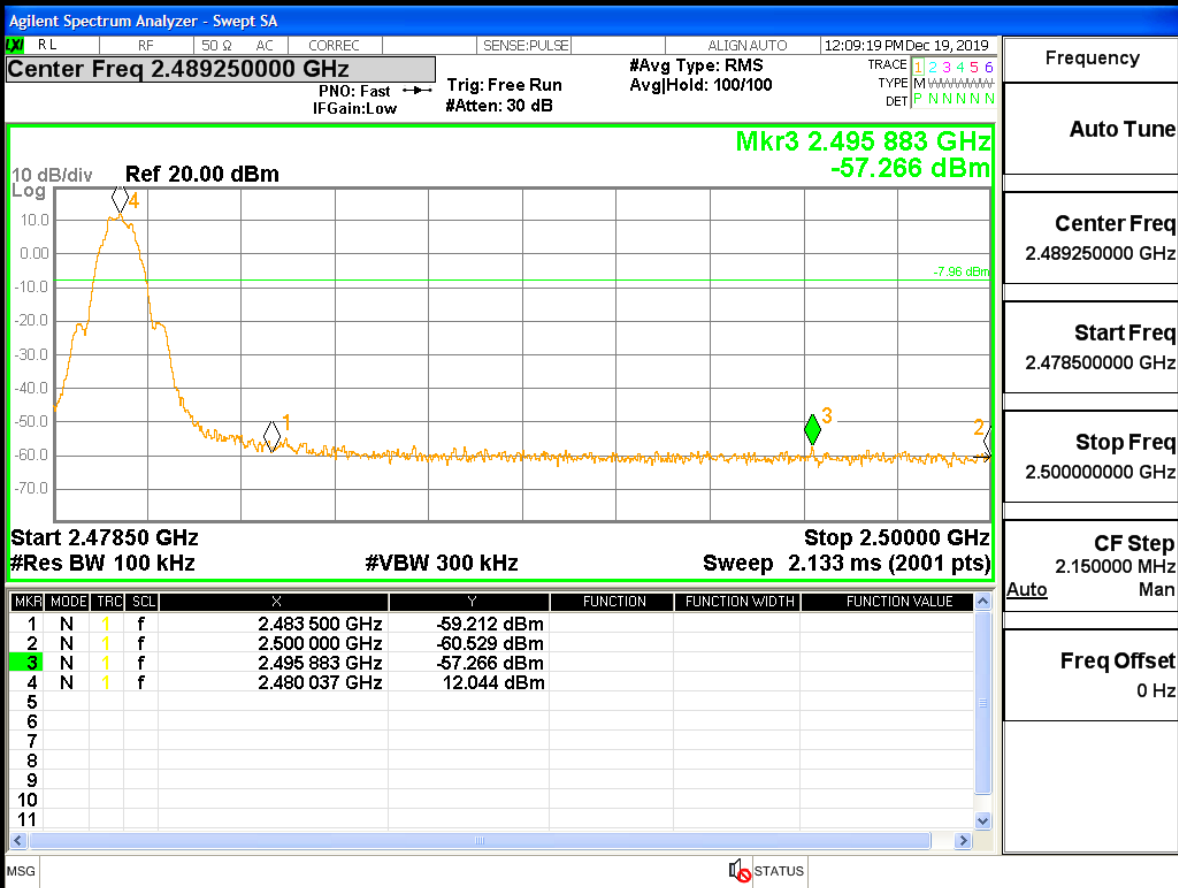
A.5. Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2402	2400	11.623	-51.000	-8.377	Pass
BLE	2480	2495.883	12.044	-57.266	-7.956	Pass

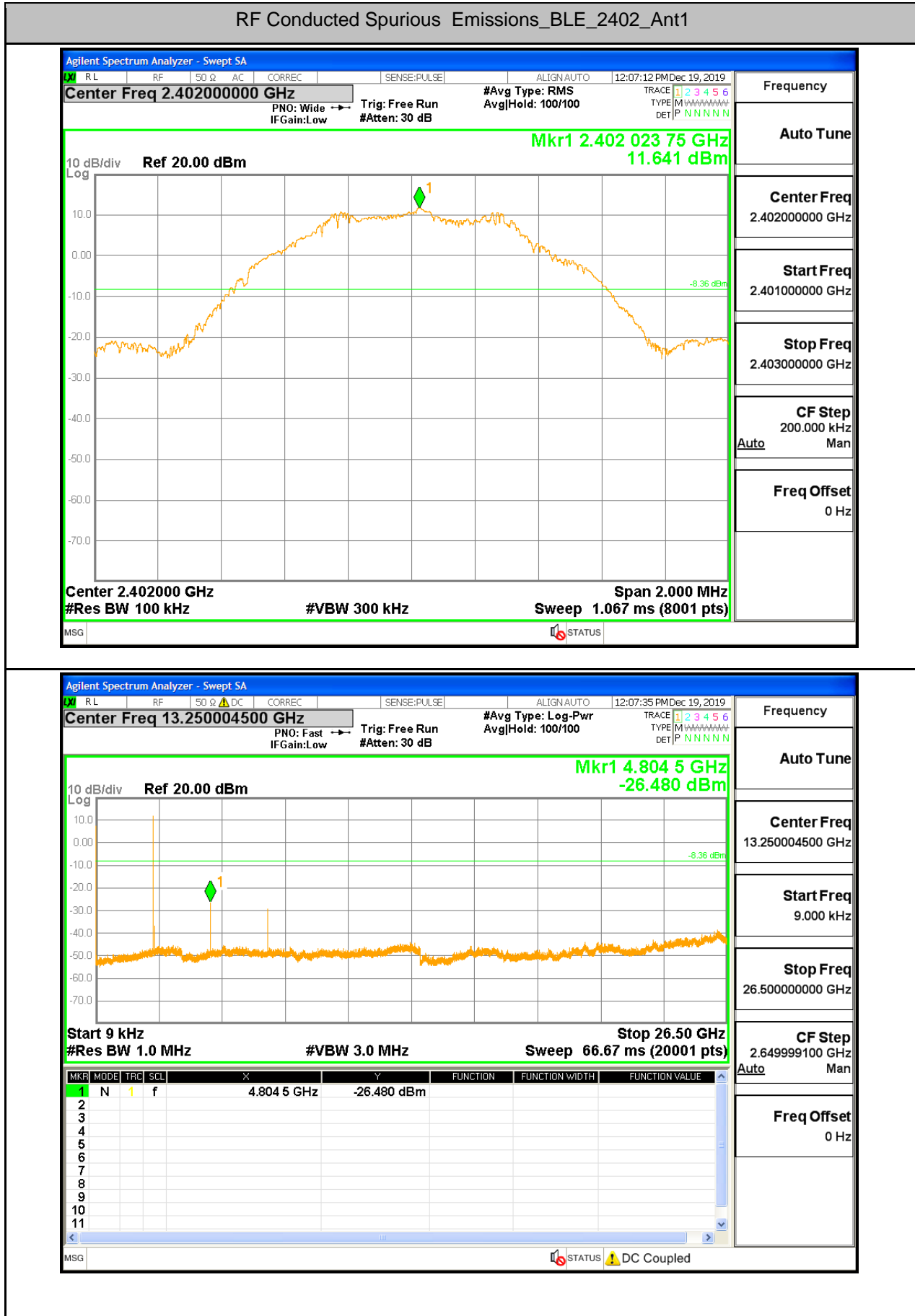
Band-edge for RF Conducted Emissions_BLE_2402_Ant1



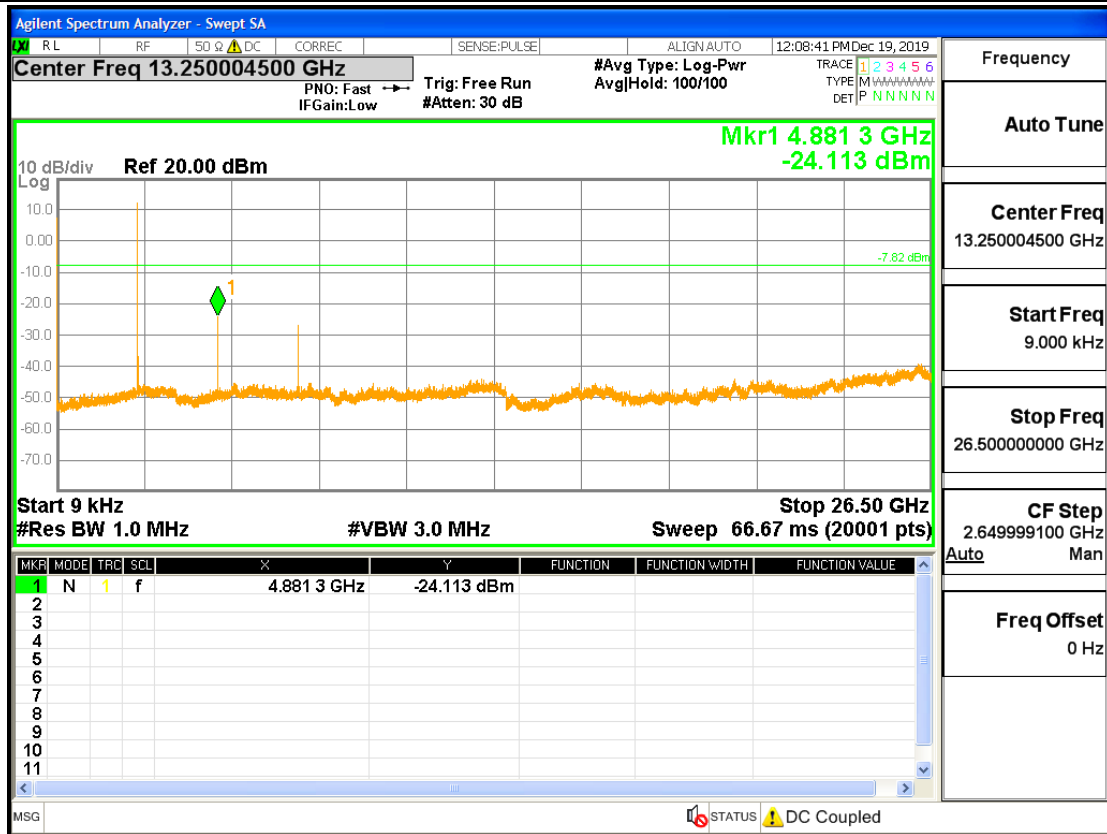
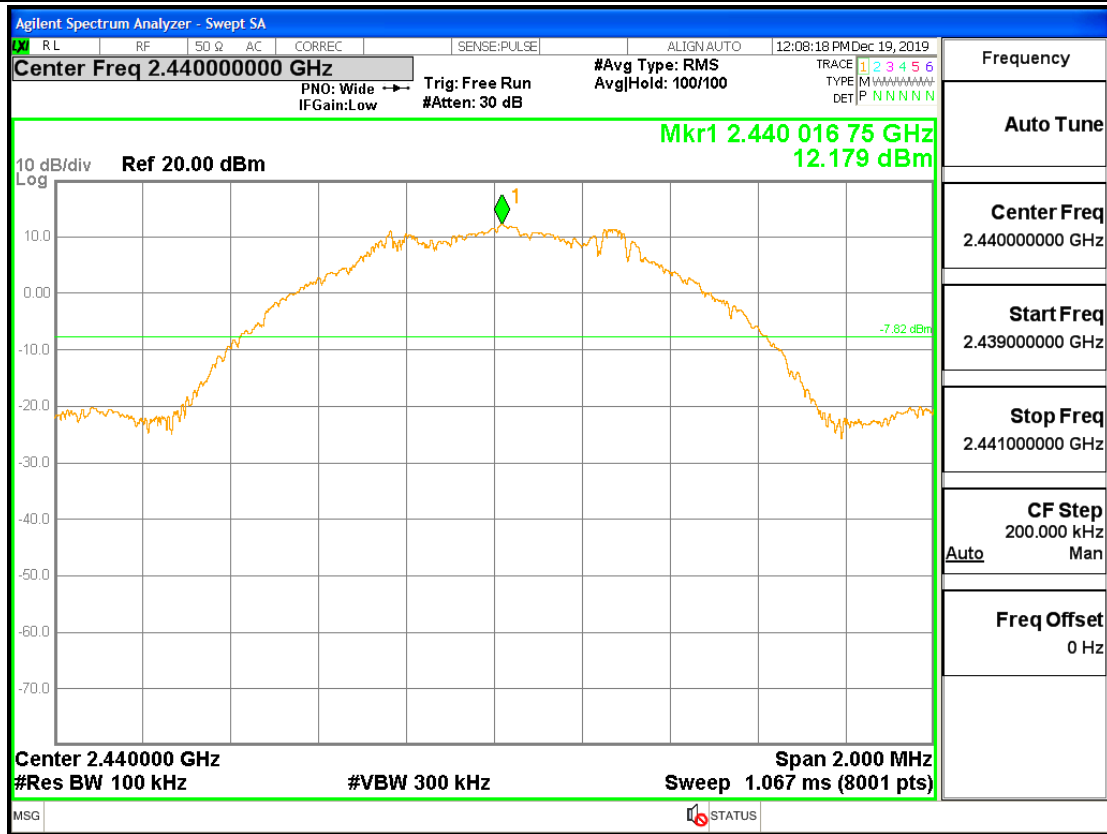
Band-edge for RF Conducted Emissions_BLE_2480_Ant1



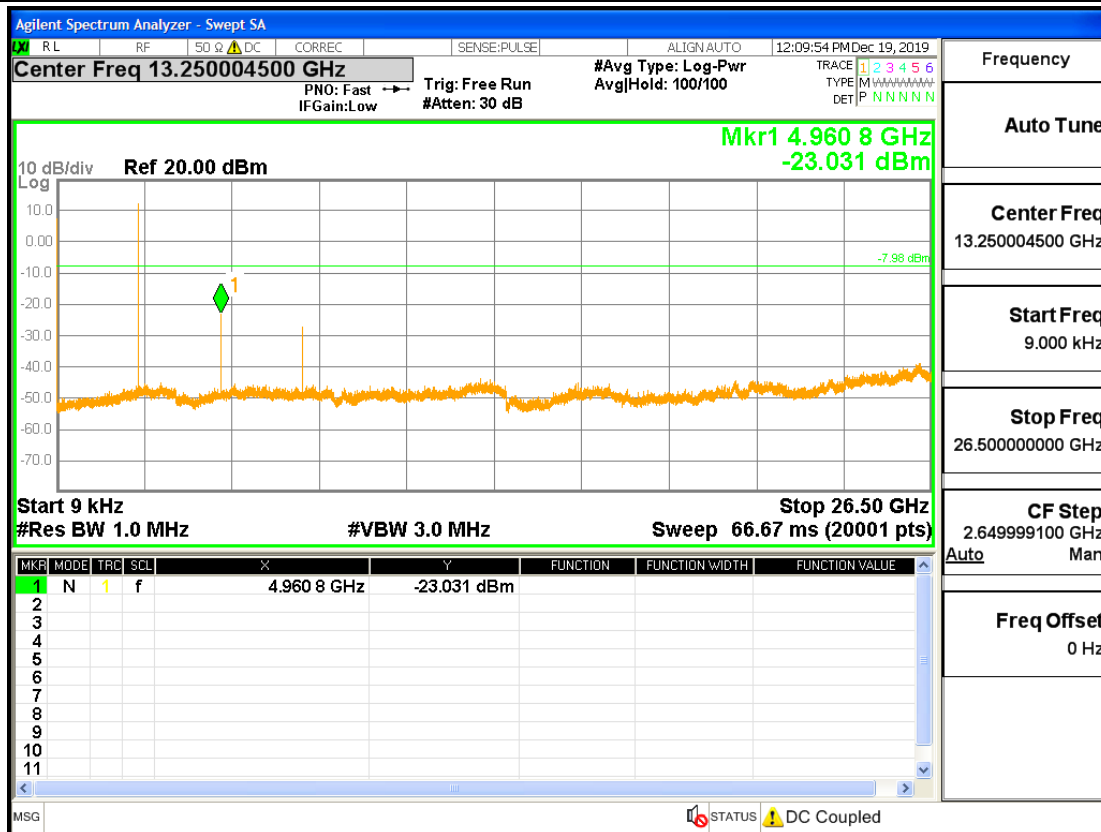
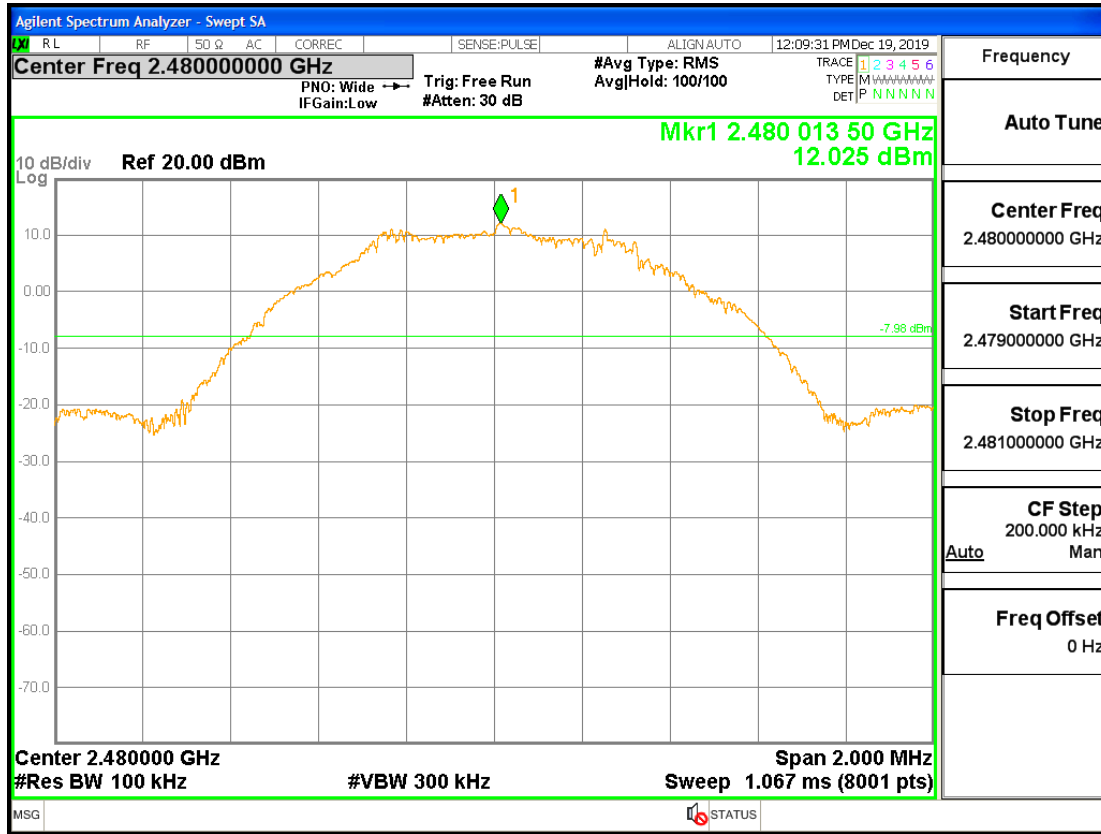
A.6. RF Conducted Spurious Emissions



RF Conducted Spurious Emissions_BLE_2440_Ant1



RF Conducted Spurious Emissions_BLE_2480_Ant1

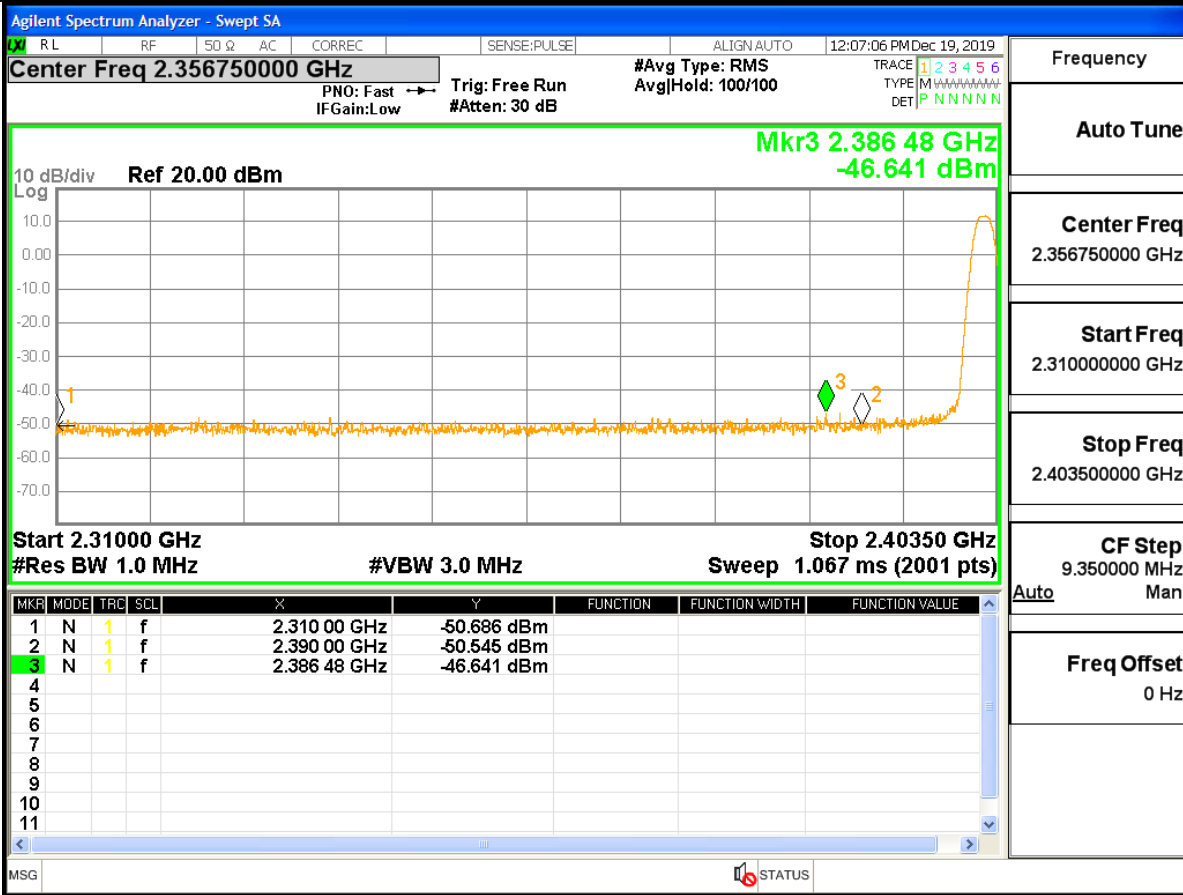


A.7. Restrict-band band-edge measurements

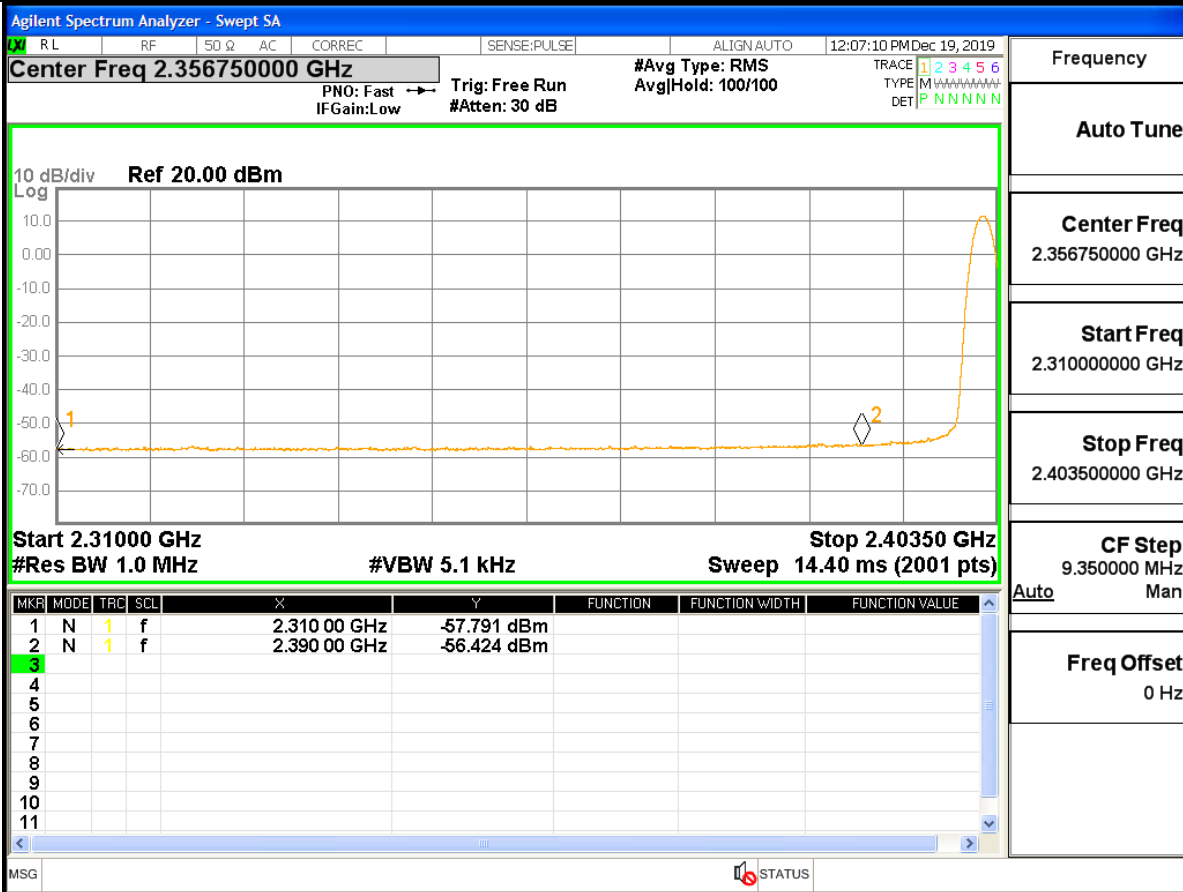
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2386.483	3.09	0.00	-46.641	51.649	74	Pass
BLE	2480	2483.5	3.09	0.00	-44.959	53.331	74	Pass

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2386.483	3.09	0.00	-56.424	41.866	54	Pass
BLE	2480	2483.5	3.09	0.00	-45.349	52.941	54	Pass

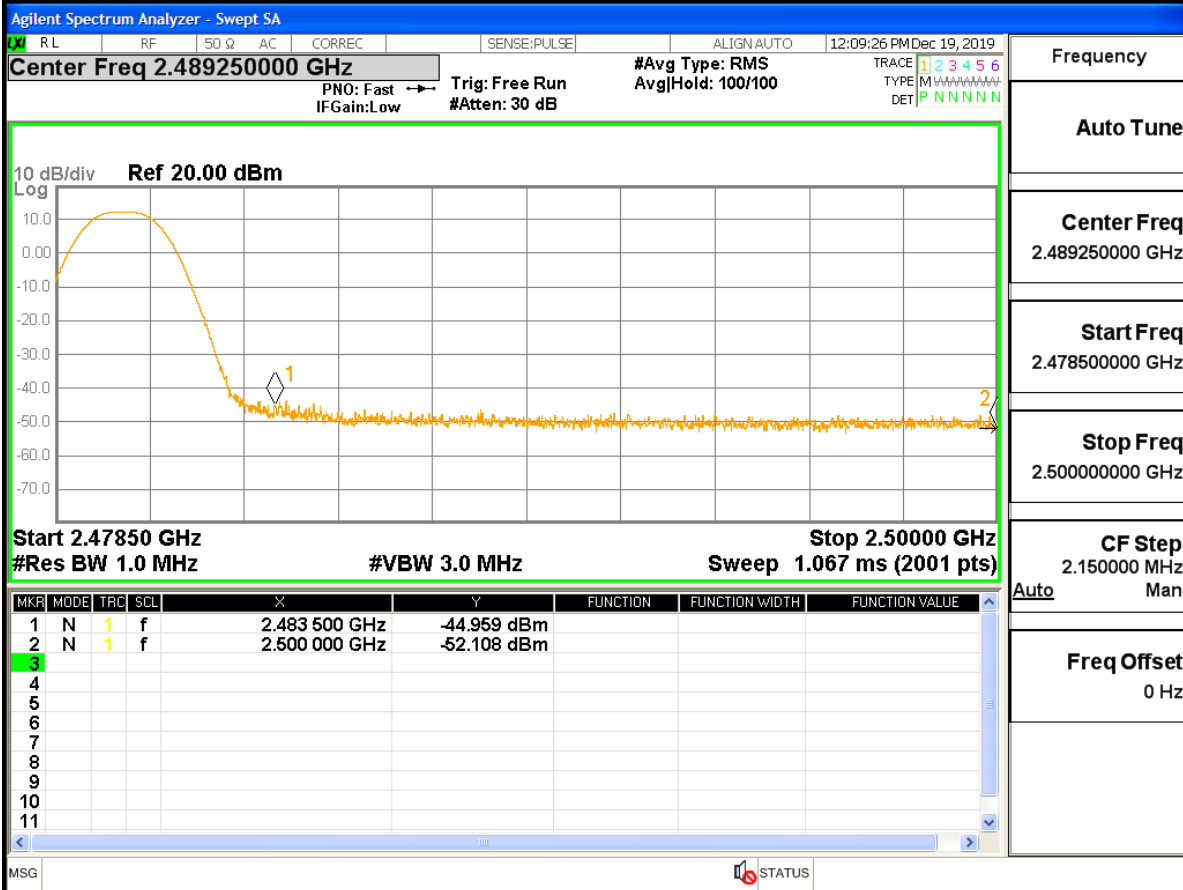
Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



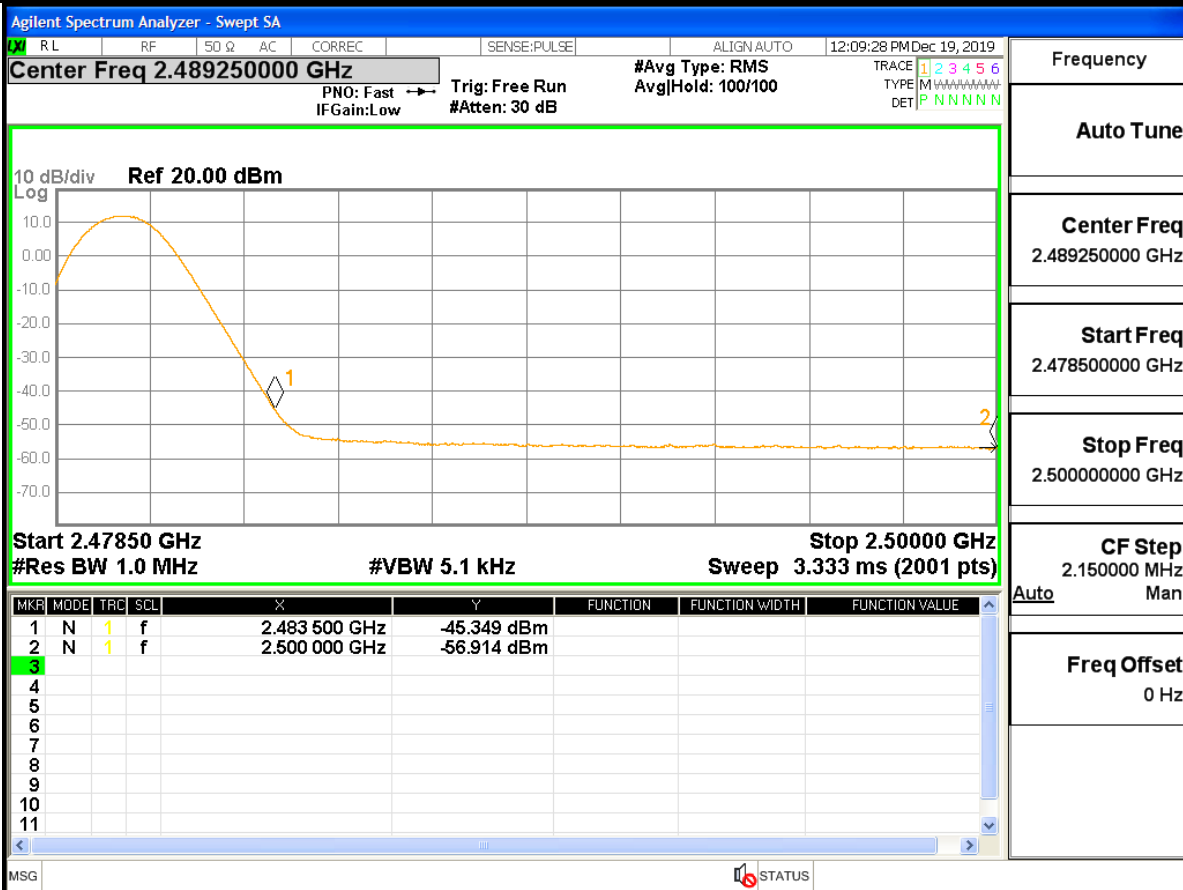
Restrict-band band-edge measurements_BLE_2402_Ant1_AV



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	65.07	PASS

