

Appendix A

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

Product Name: LTE smartphone

Trade Mark: N/A

Test Model: HEROSP001

FCC ID: 2AVYL-HEROSP001

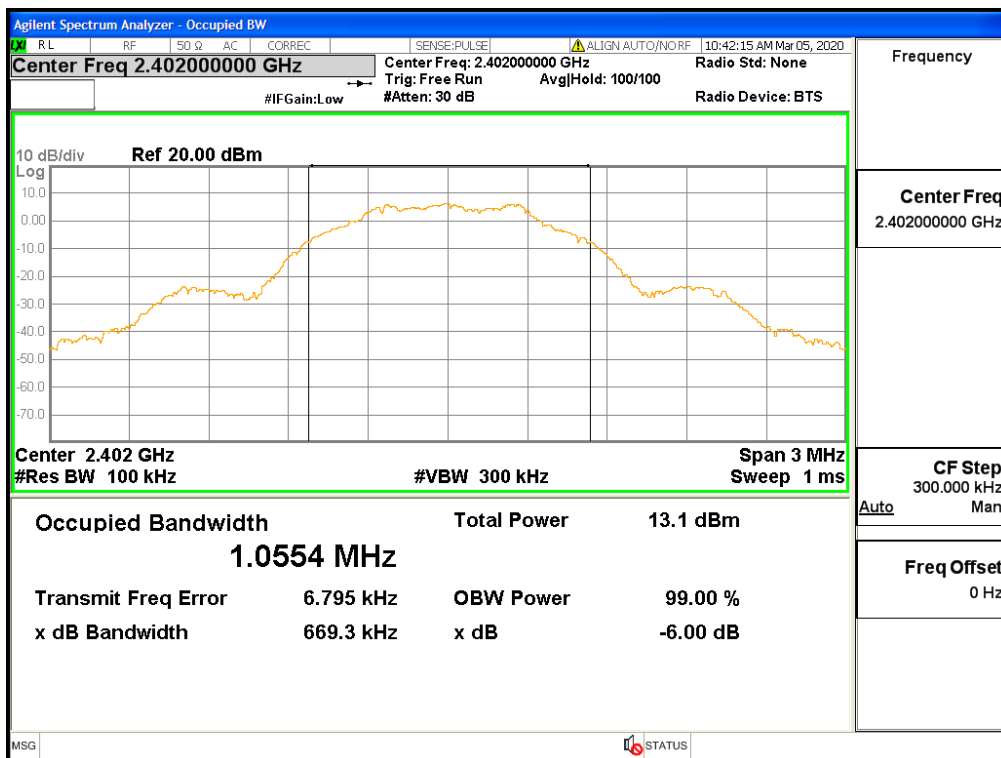
Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

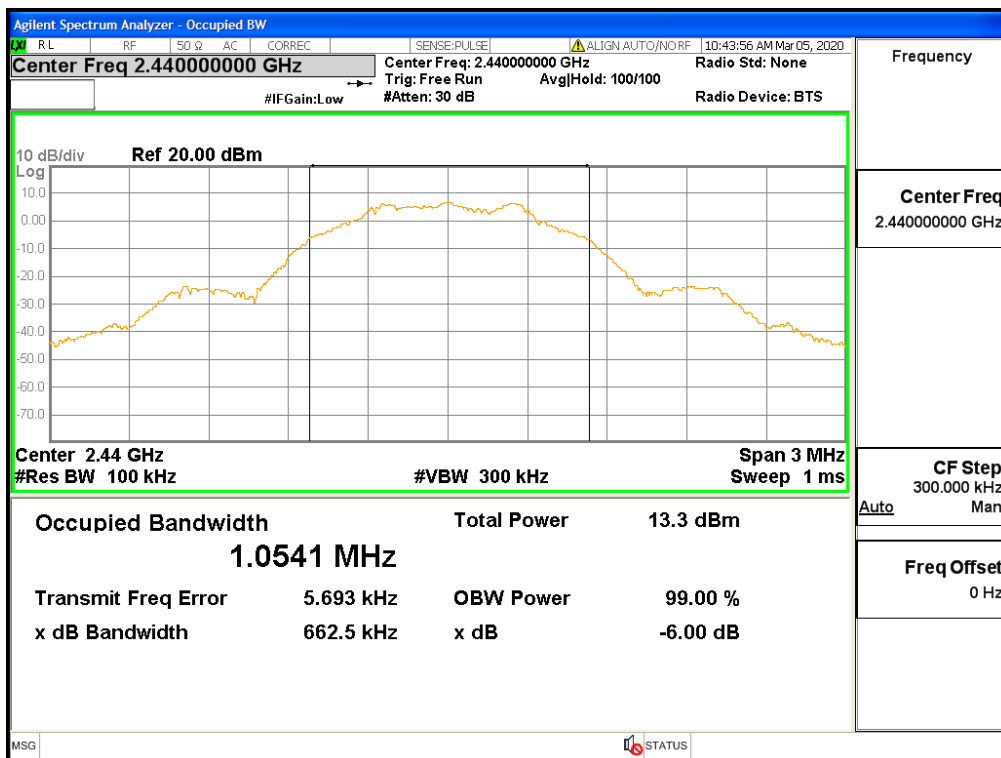
A.1. 6dB Bandwidth

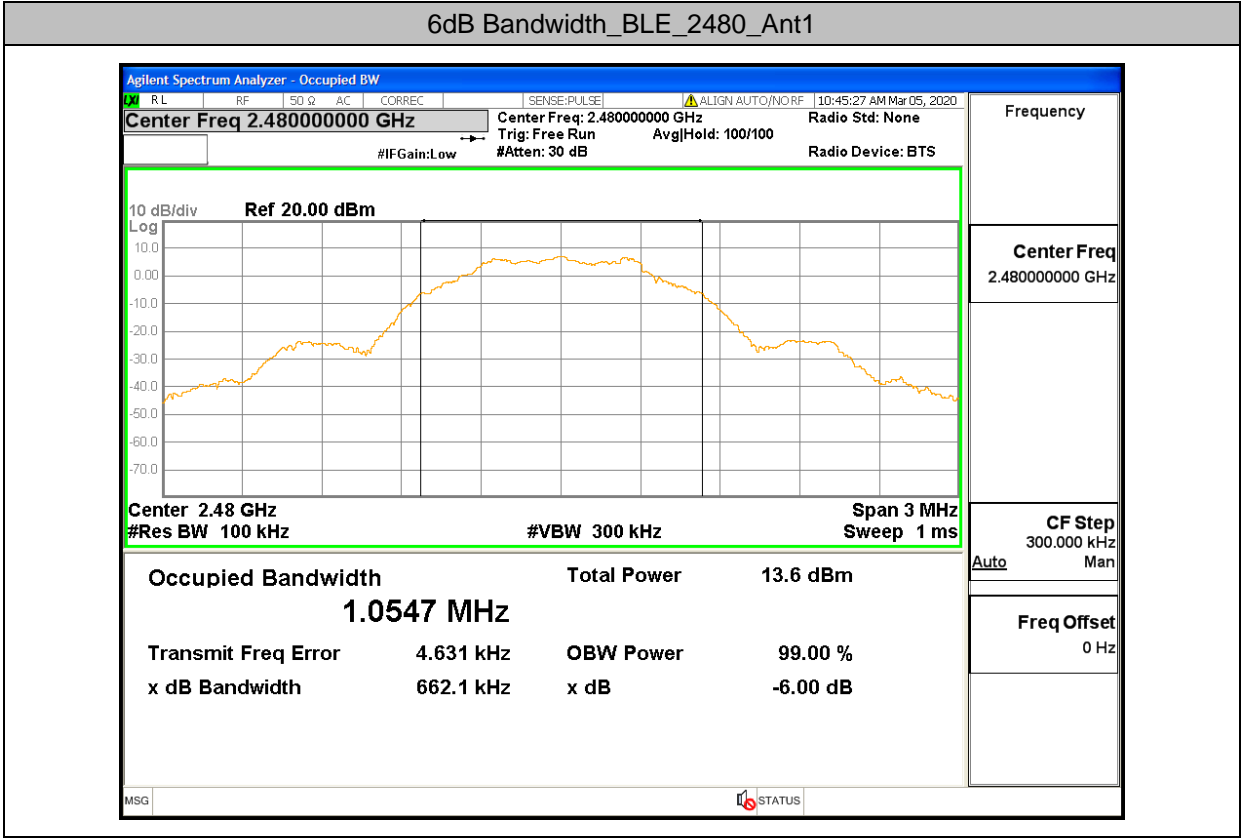
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.669	0.5	PASS
BLE	2440	Ant1	0.663	0.5	PASS
BLE	2480	Ant1	0.662	0.5	PASS

6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1





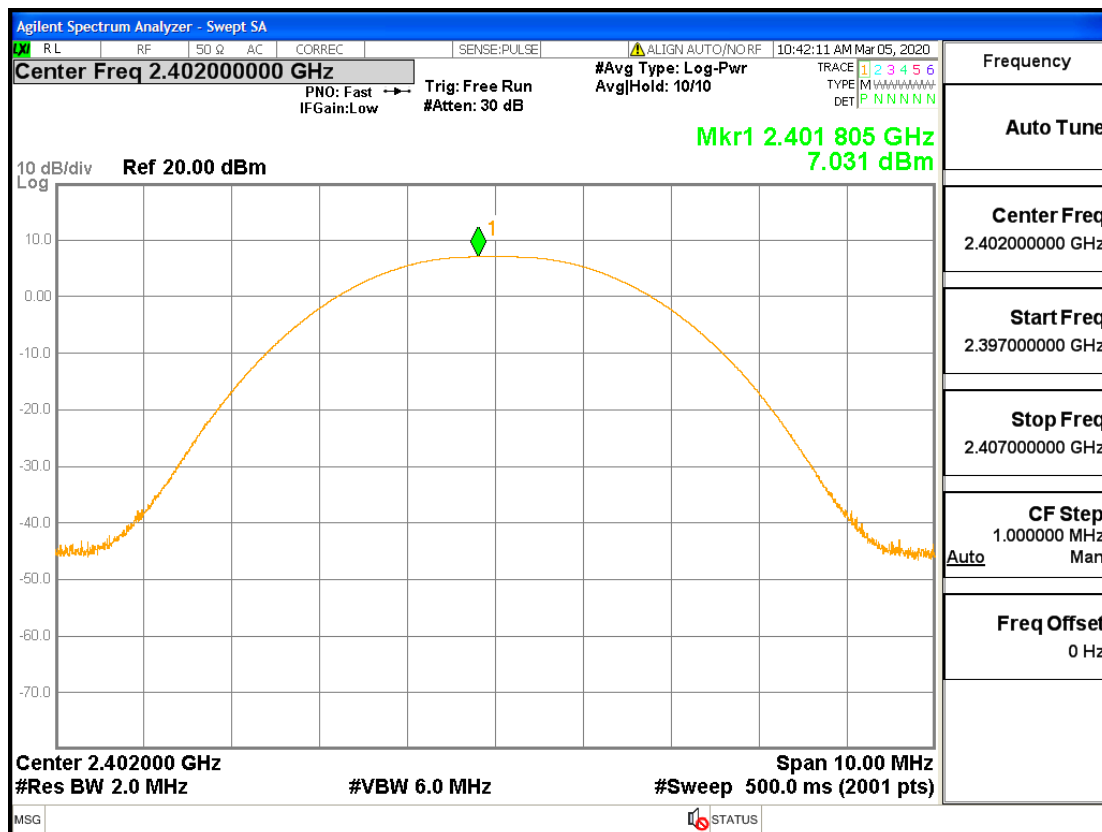
A.2. Occupied Bandwidth

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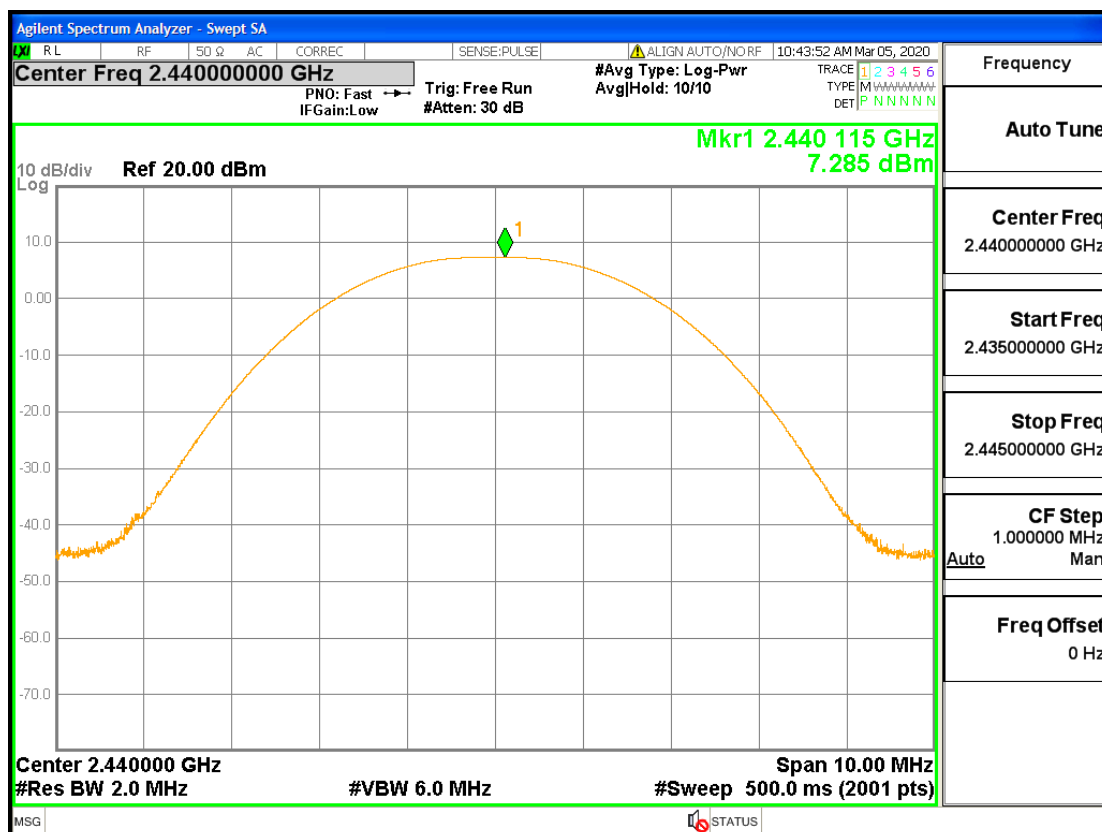
A.3. Maximum peak conducted output power

Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	7.031	30	PASS
BLE	2440	Ant1	7.285	30	PASS
BLE	2480	Ant1	7.583	30	PASS

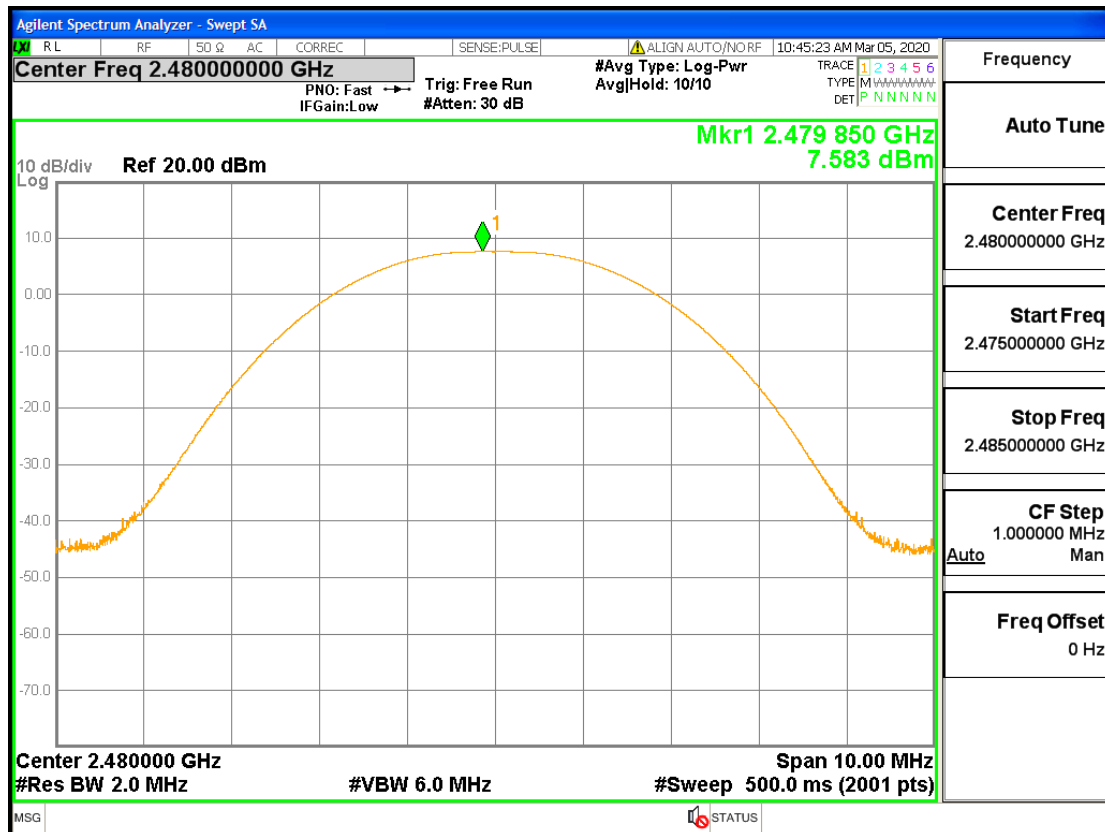
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



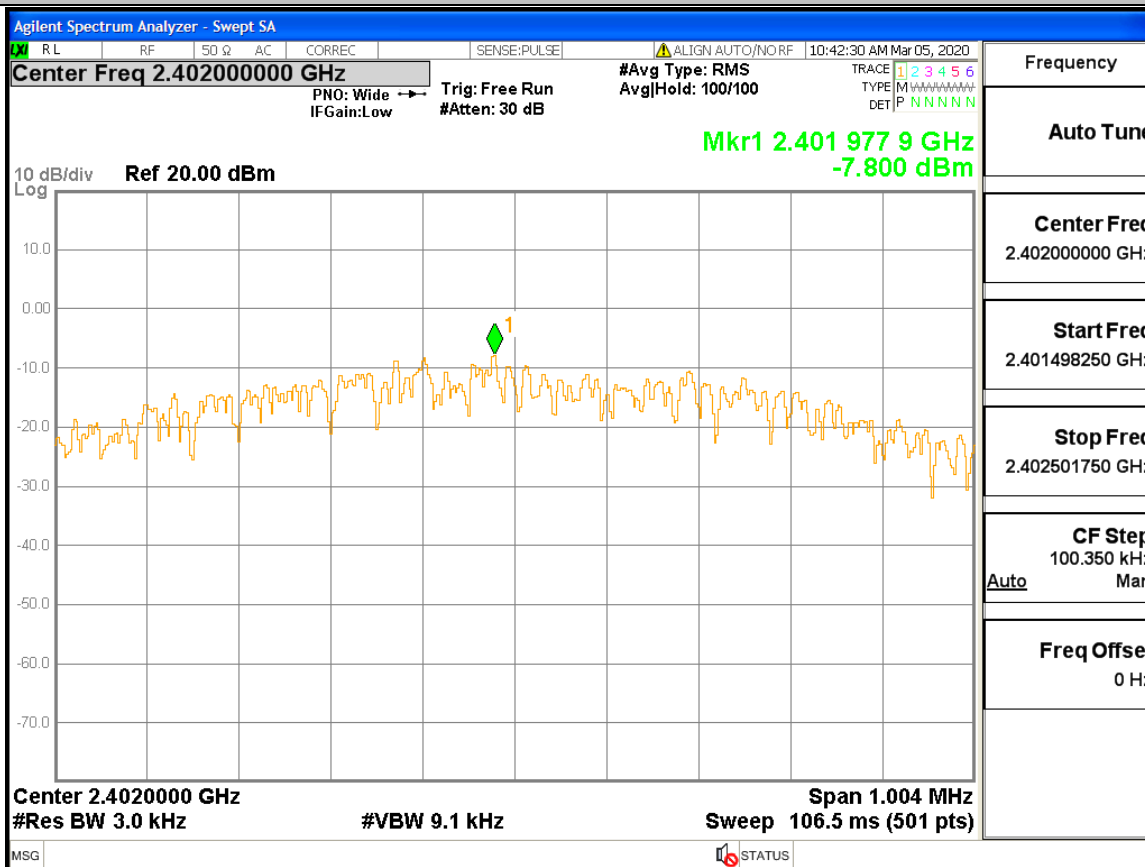
Maximum peak conducted output power_BLE_2480_Ant1



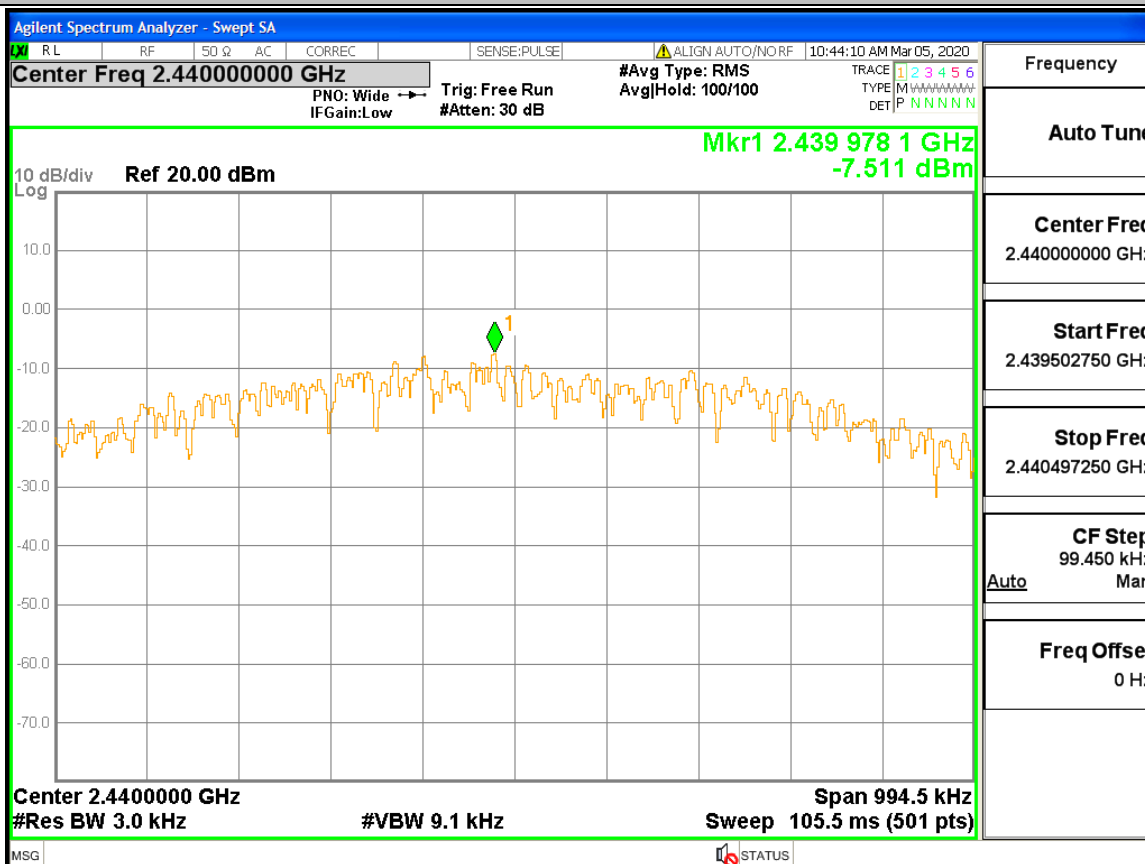
A.4. Maximum Peak power spectral density

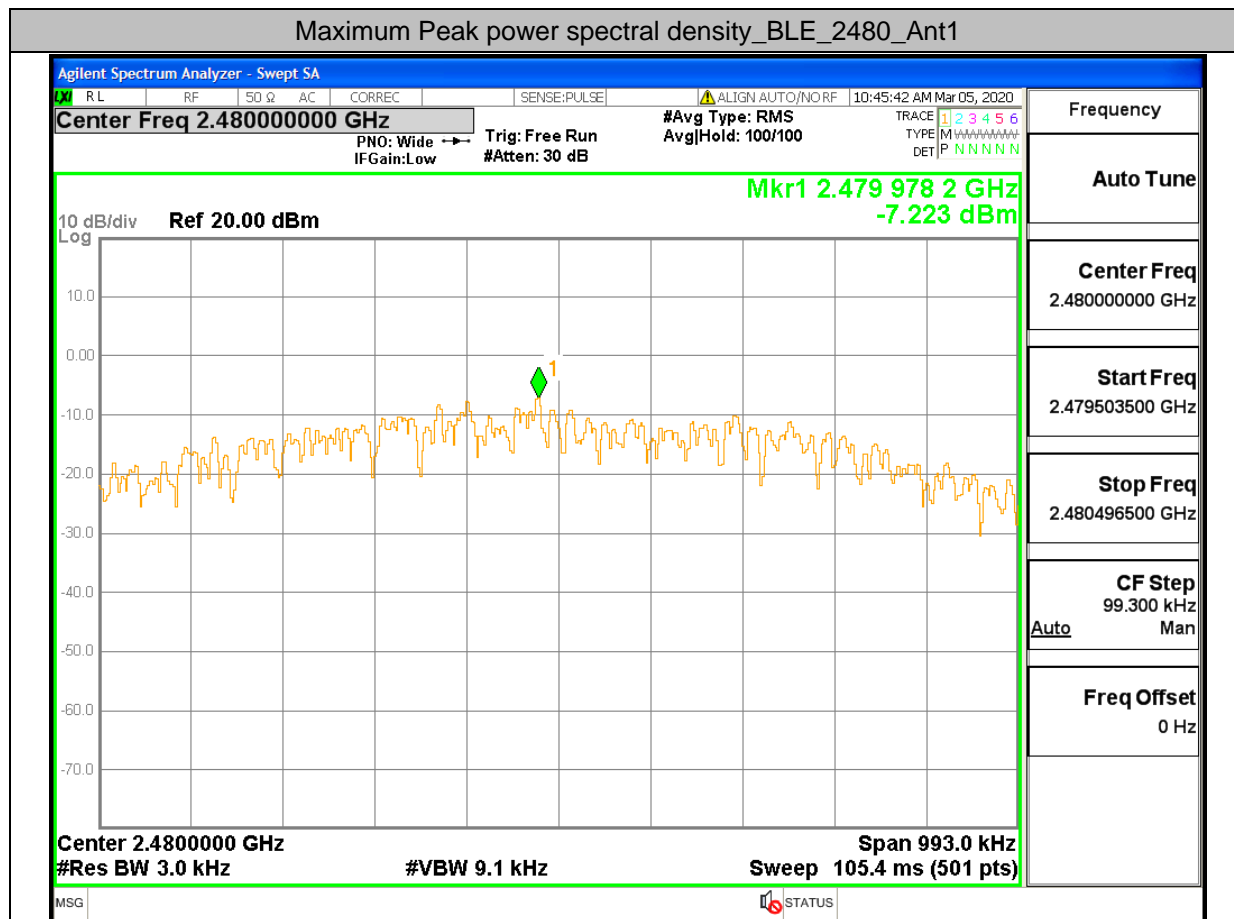
Test	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-7.800	8.00	PASS
BLE	2440	Ant1	-7.511	8.00	PASS
BLE	2480	Ant1	-7.223	8.00	PASS

Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1

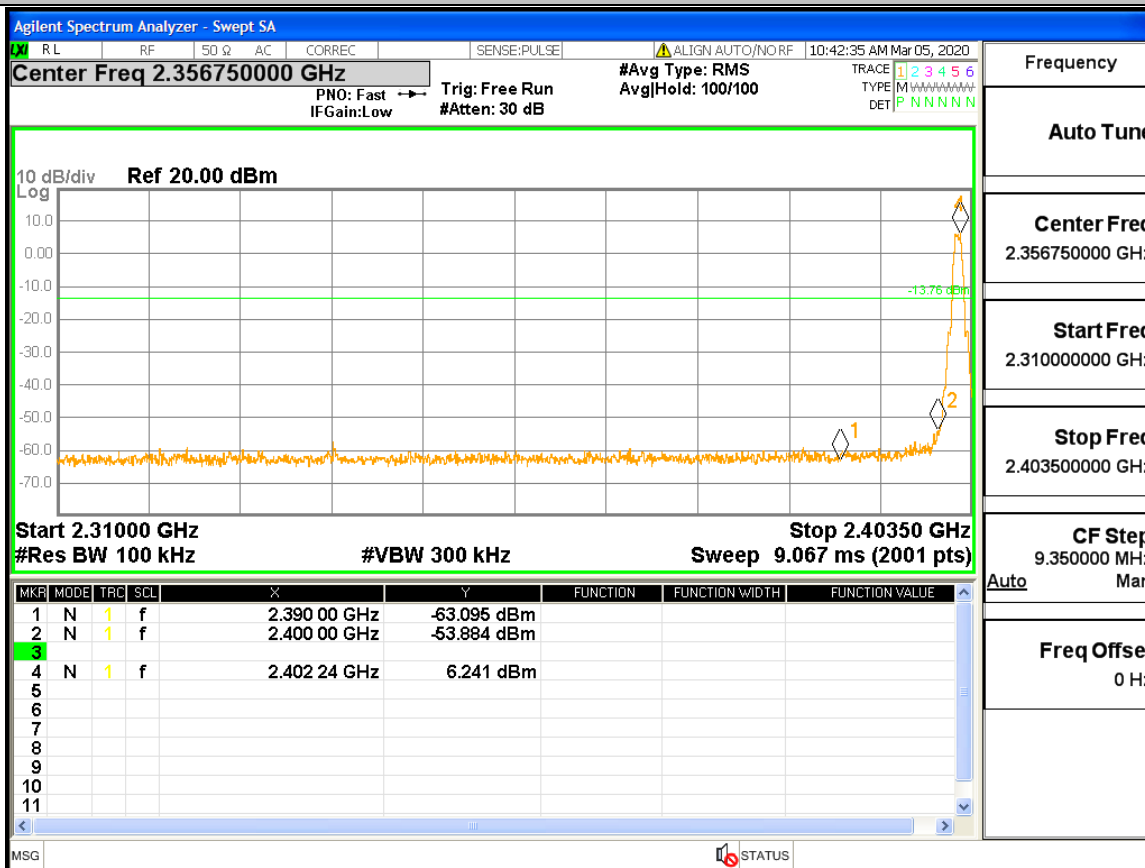




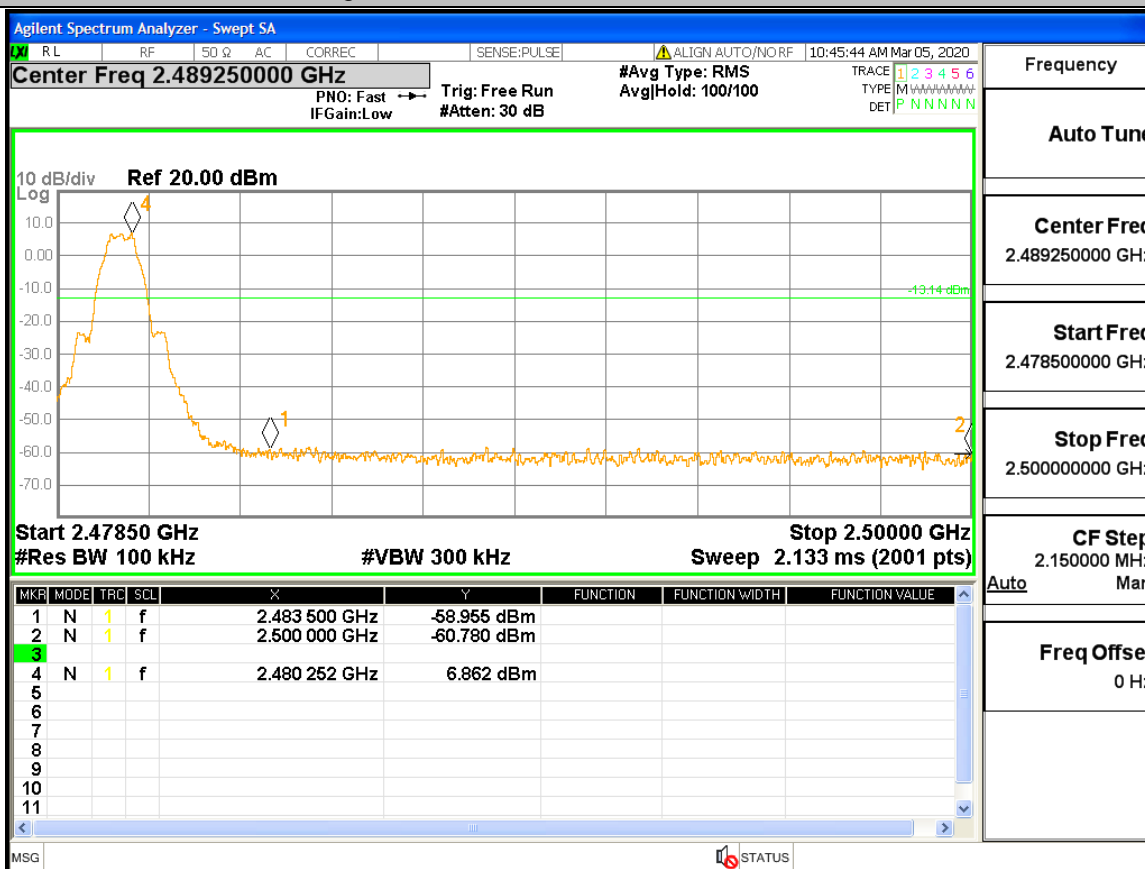
A.5. Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2402	2400	6.241	-53.88	-13.759	Pass
BLE	2480	2483.5	6.862	-58.96	-13.138	Pass

Band-edge for RF Conducted Emissions_BLE_2402_Ant1

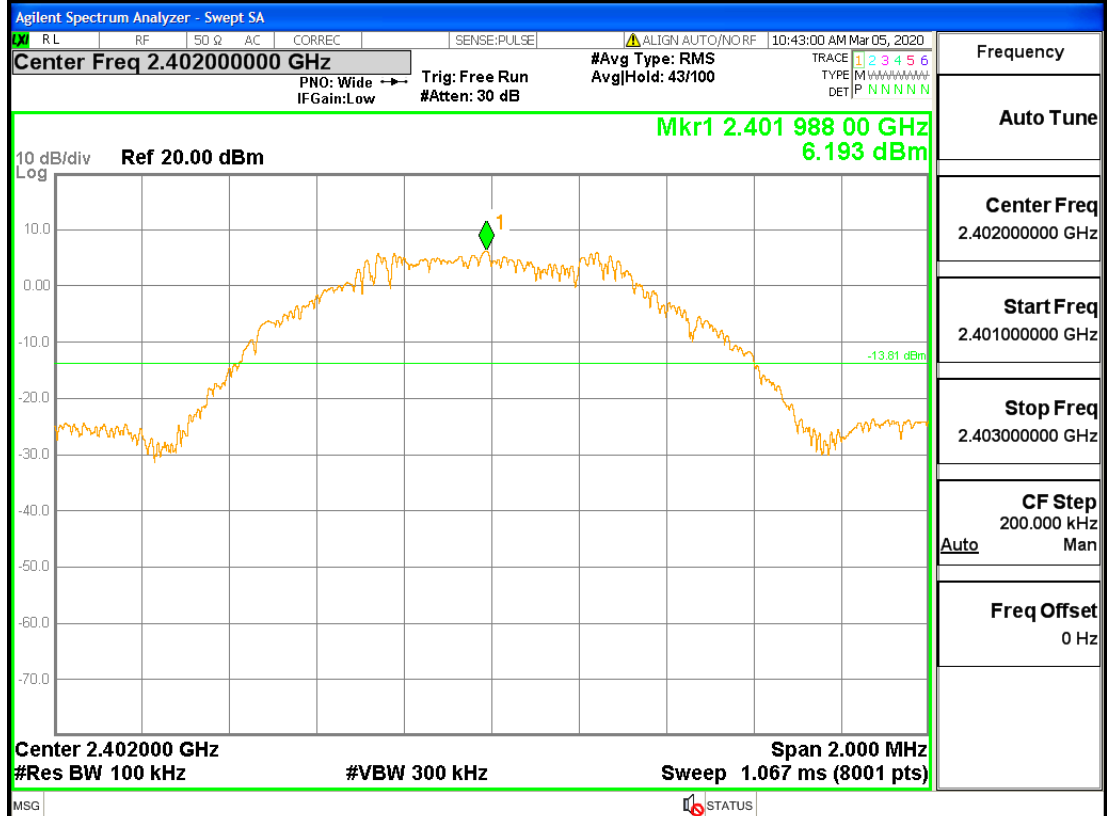


Band-edge for RF Conducted Emissions_BLE_2480_Ant1

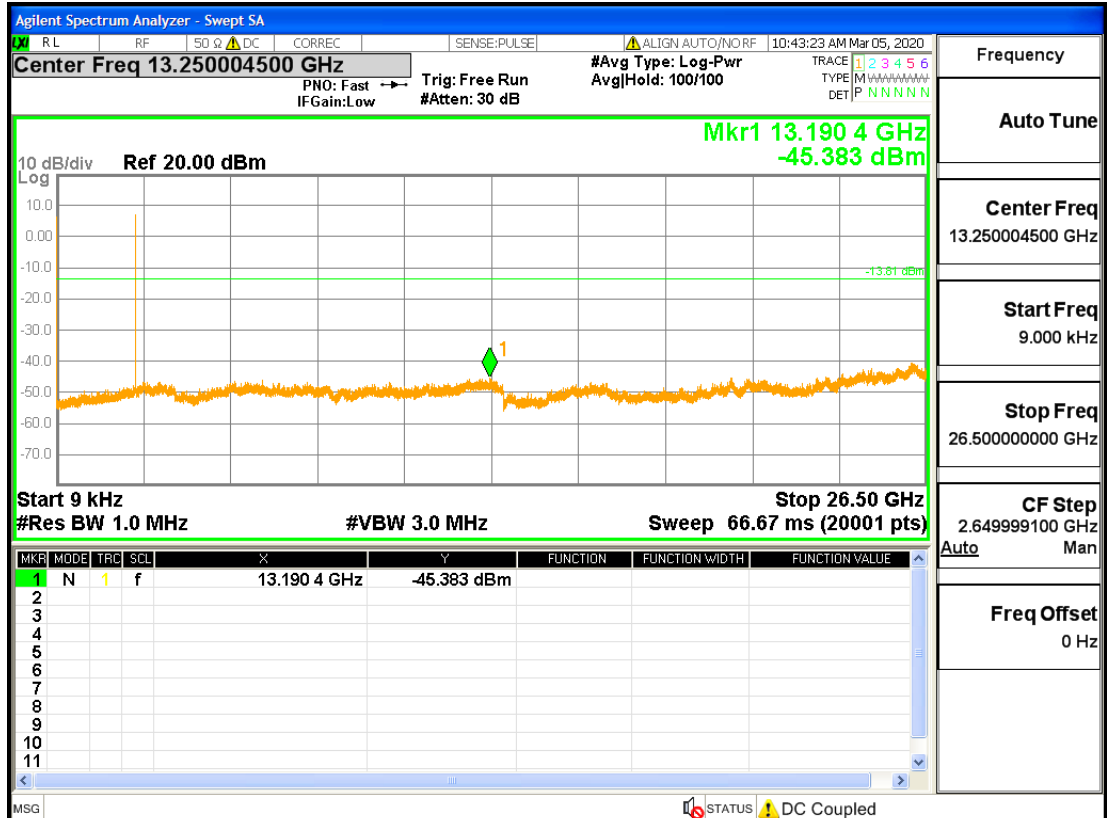


A.6. RF Conducted Spurious Emissions**RF Conducted Spurious Emissions_BLE_2402_Ant1**

Pref

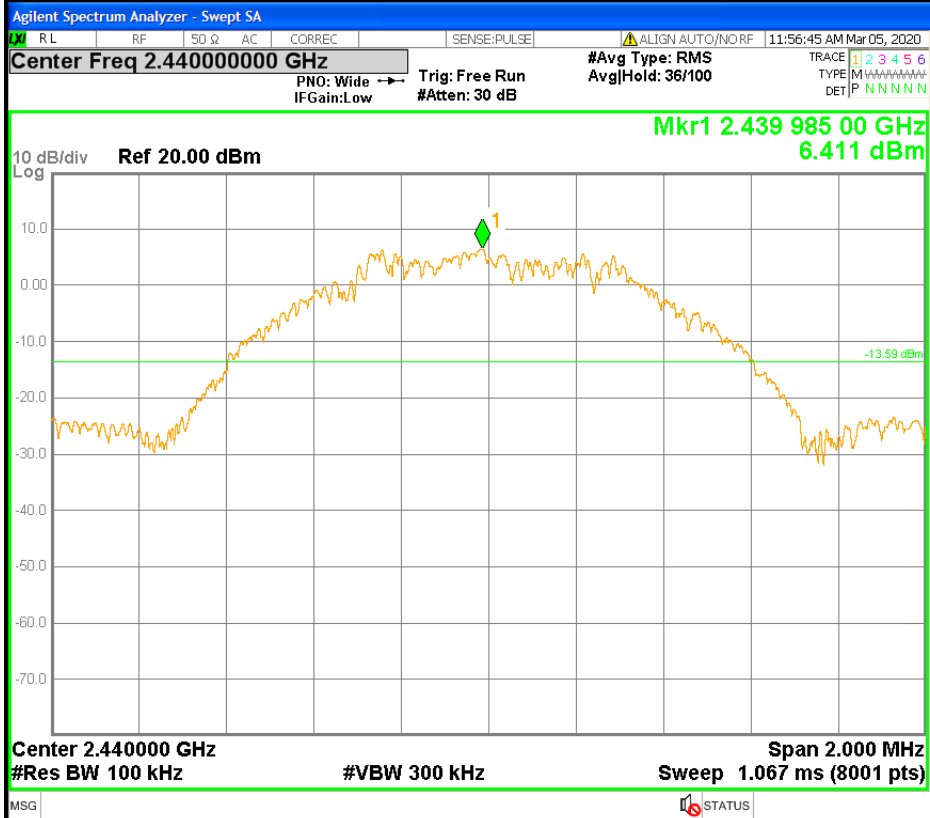


Puw

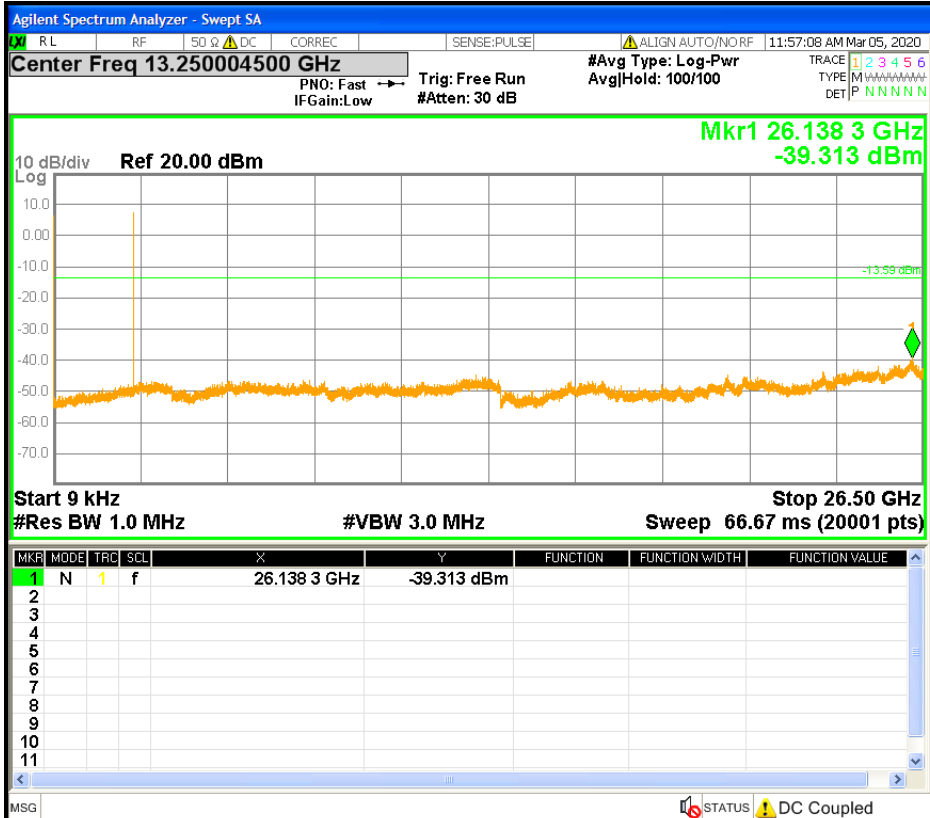


RF Conducted Spurious Emissions_BLE_2440_Ant1

Pref

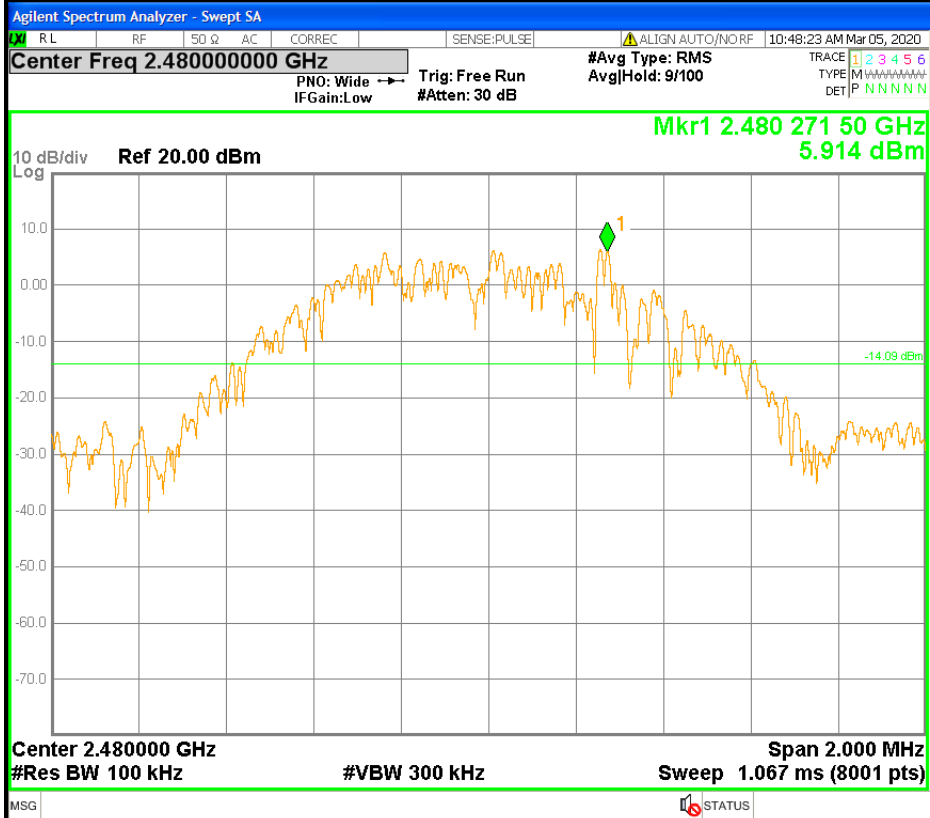


Puw

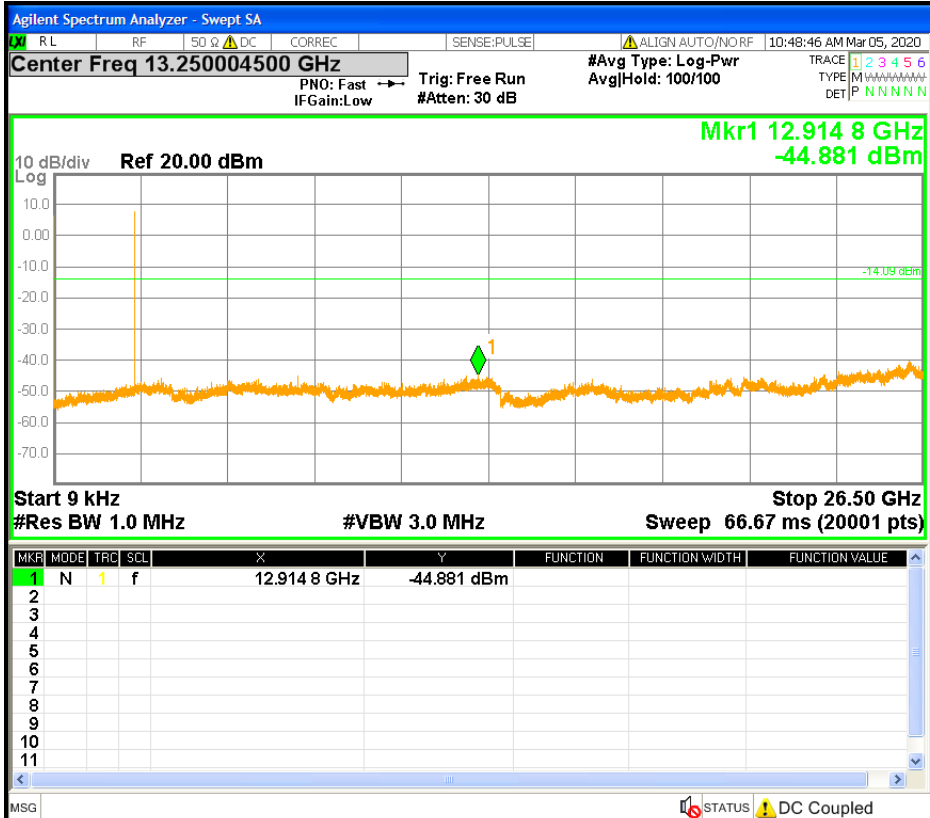


RF Conducted Spurious Emissions_BLE_2480_Ant1

Pref



Puw

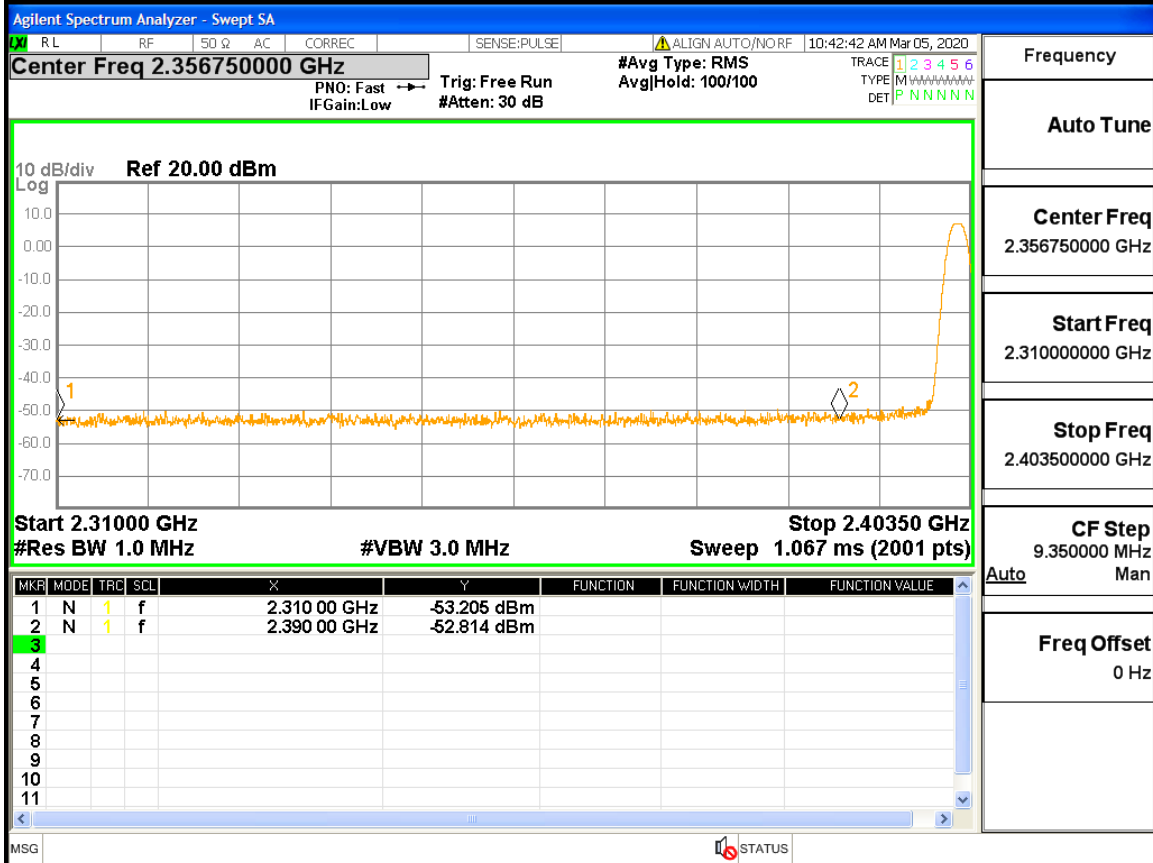


A.7. Restrict-band band-edge measurements

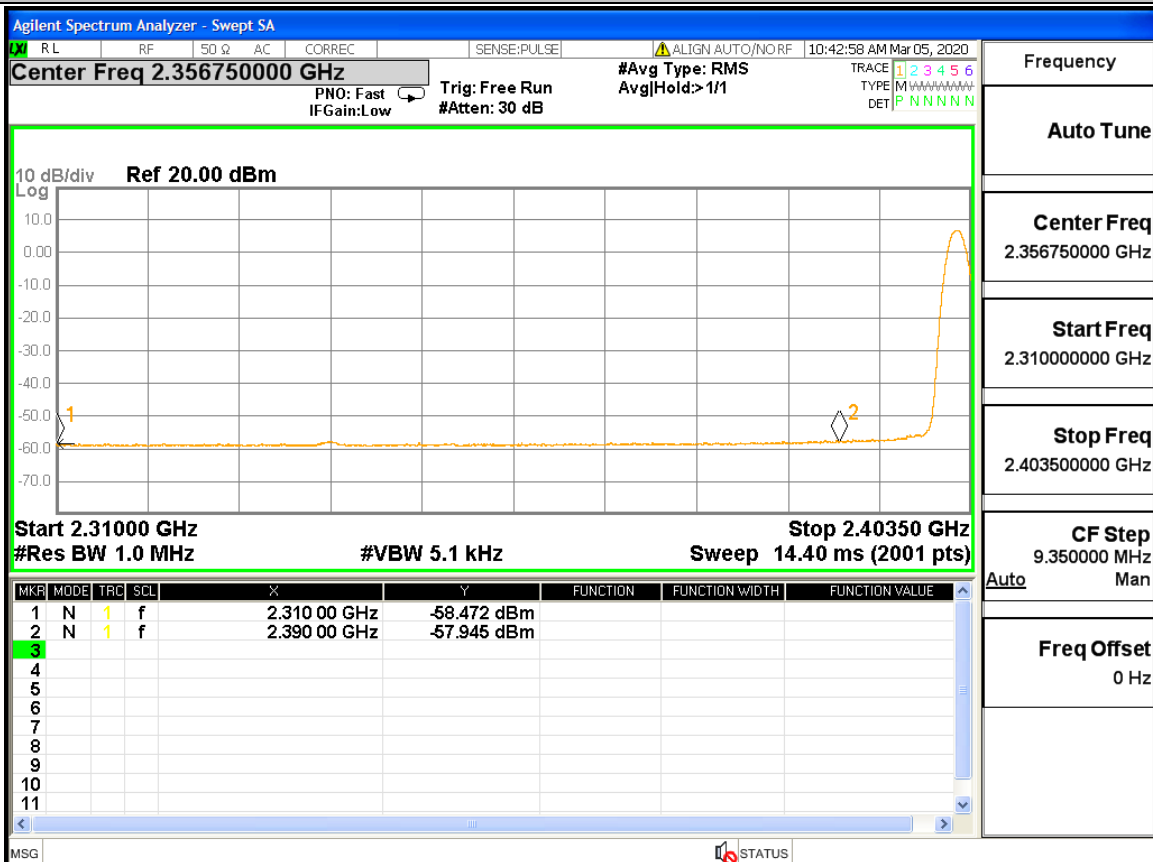
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2390	2.84	0.00	-52.814	45.226	74	Pass
BLE	2480	2483.5	2.84	0.00	-49.734	48.306	74	Pass

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2390	2.84	0.00	-57.945	40.095	54	Pass
BLE	2480	2483.5	2.84	0.00	-49.939	48.101	54	Pass

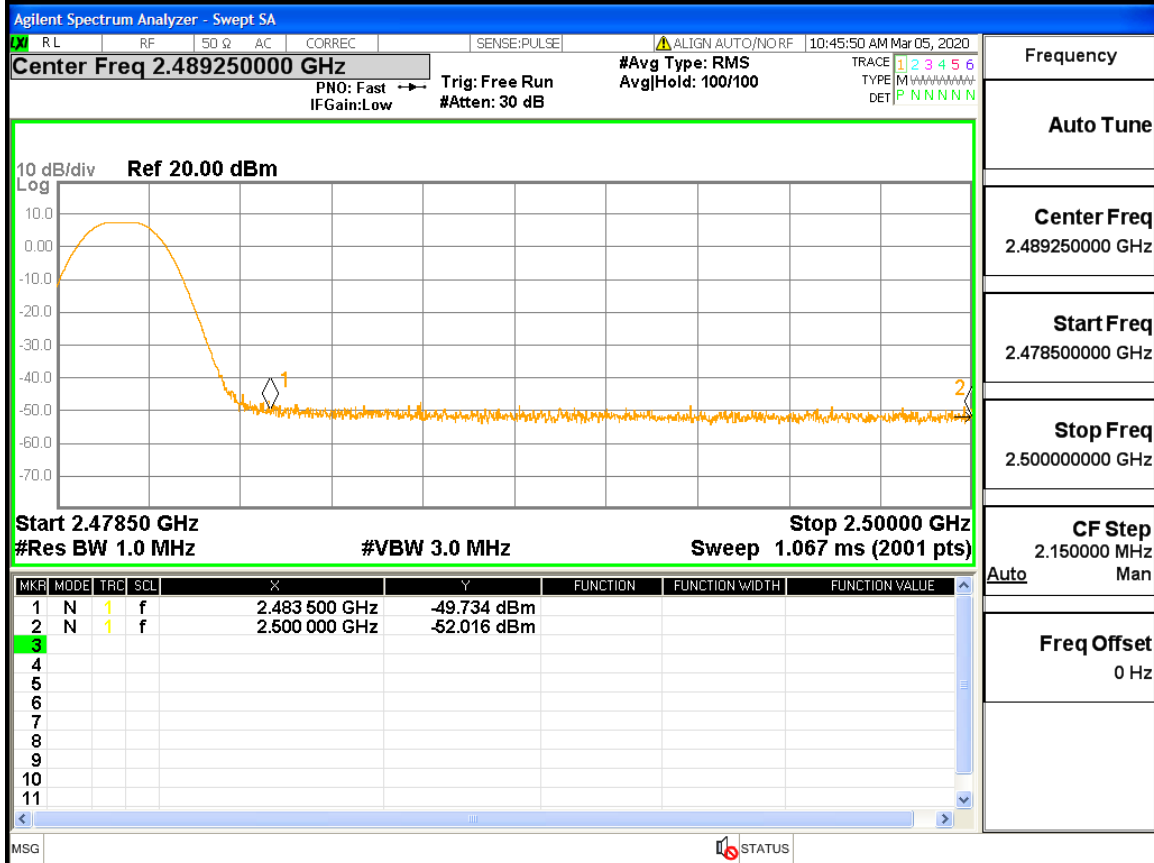
Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



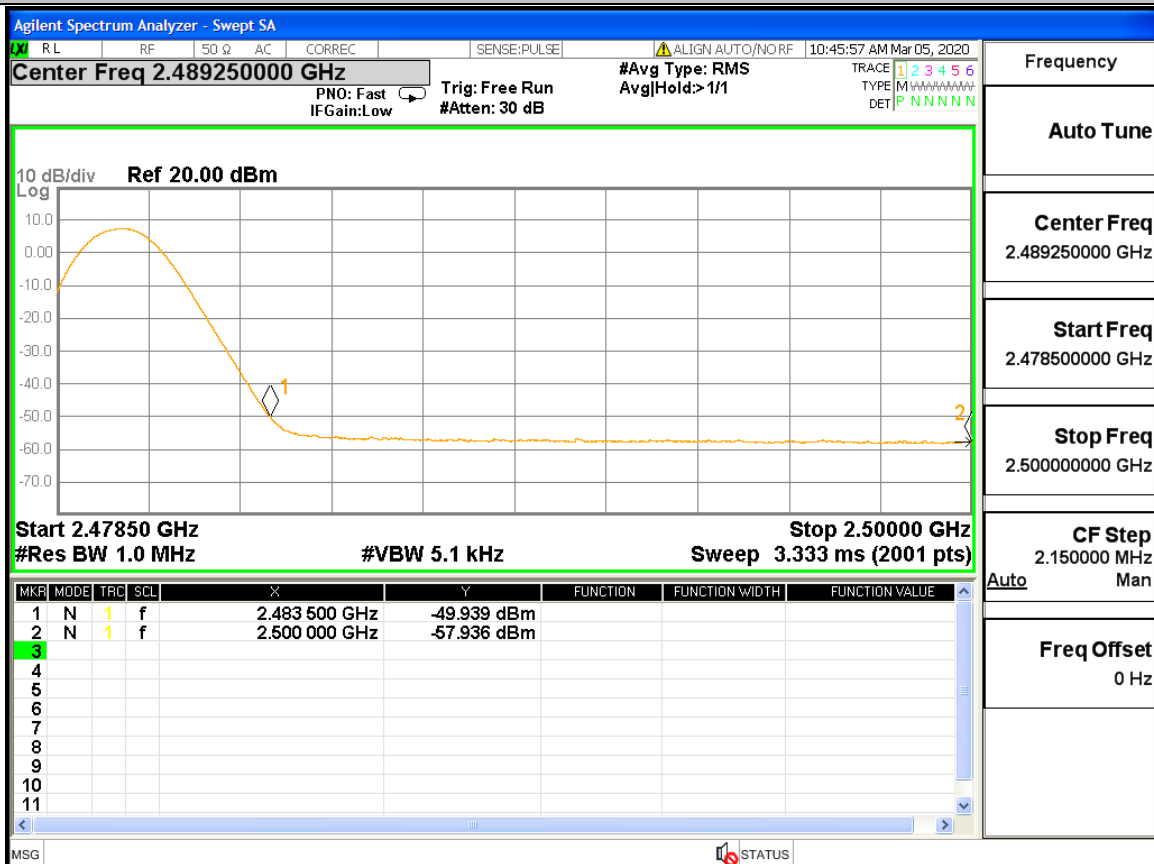
Restrict-band band-edge measurements_BLE_2402_Ant1_AV



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	63.00	PASS

