

Appendix A

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

Product Name: Mobile phone

Trade Mark: SAGI

Test Model: E5501

FCC ID: 2AUES-SAGIE5501

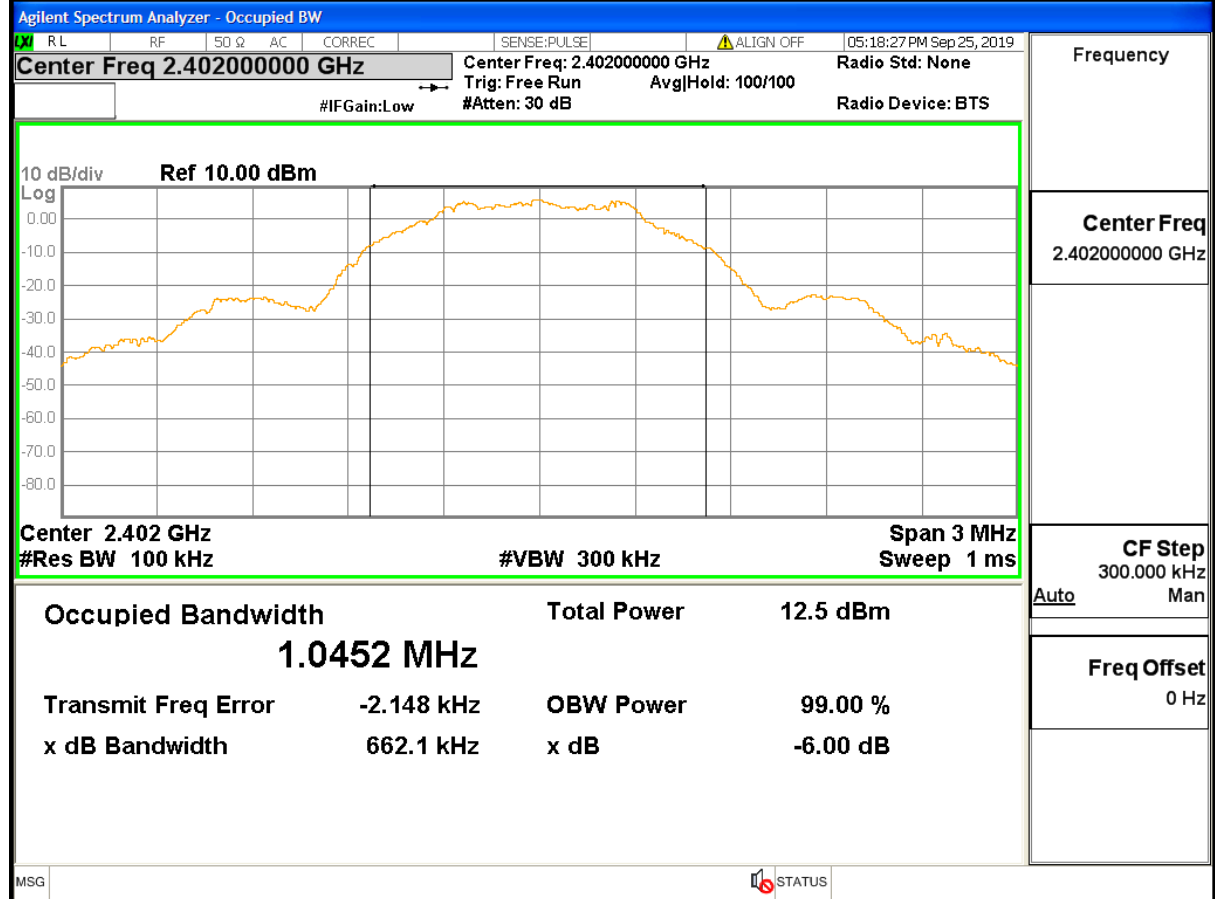
Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

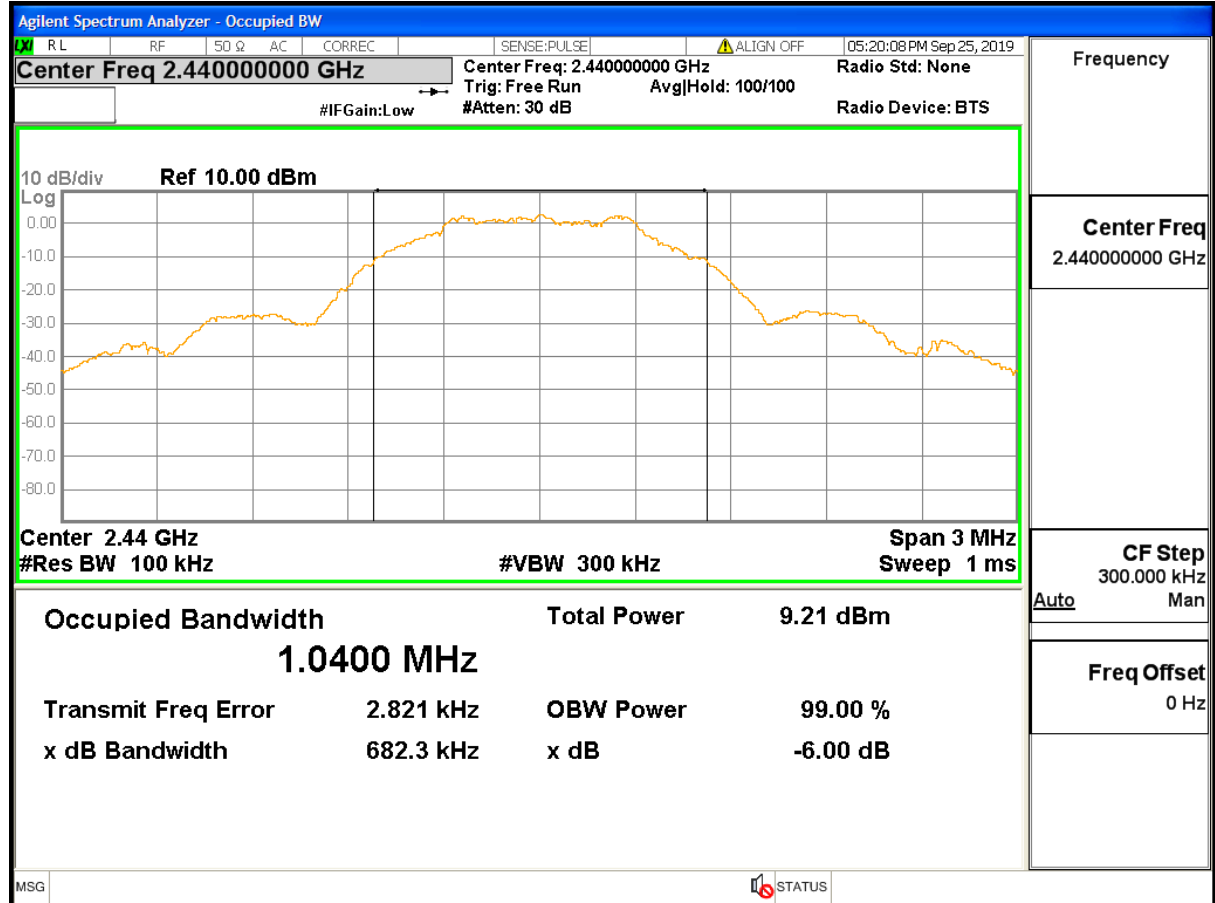
A.1. 6dB Bandwidth

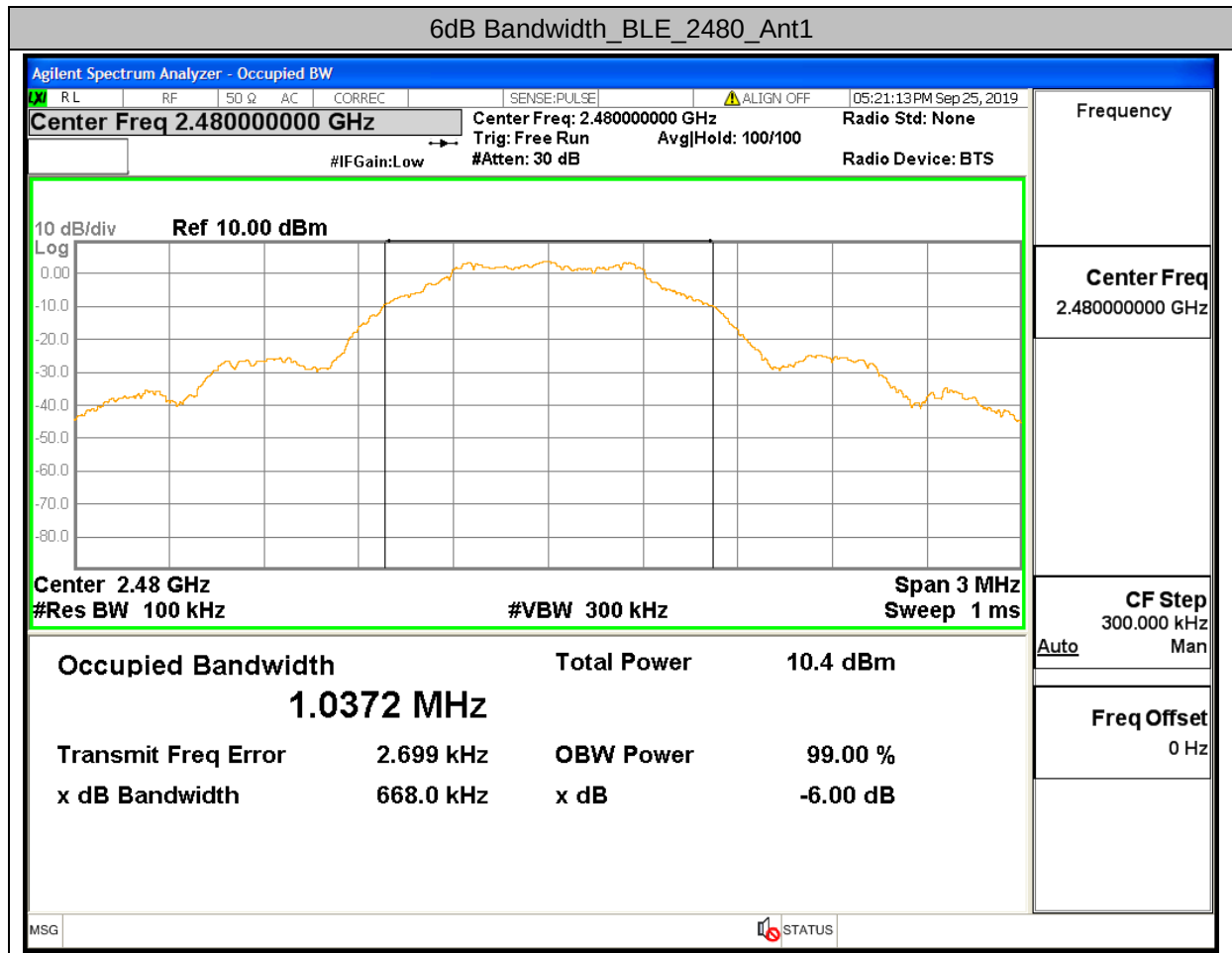
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.662	0.5	PASS
BLE	2440	Ant1	0.682	0.5	PASS
BLE	2480	Ant1	0.668	0.5	PASS

6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1





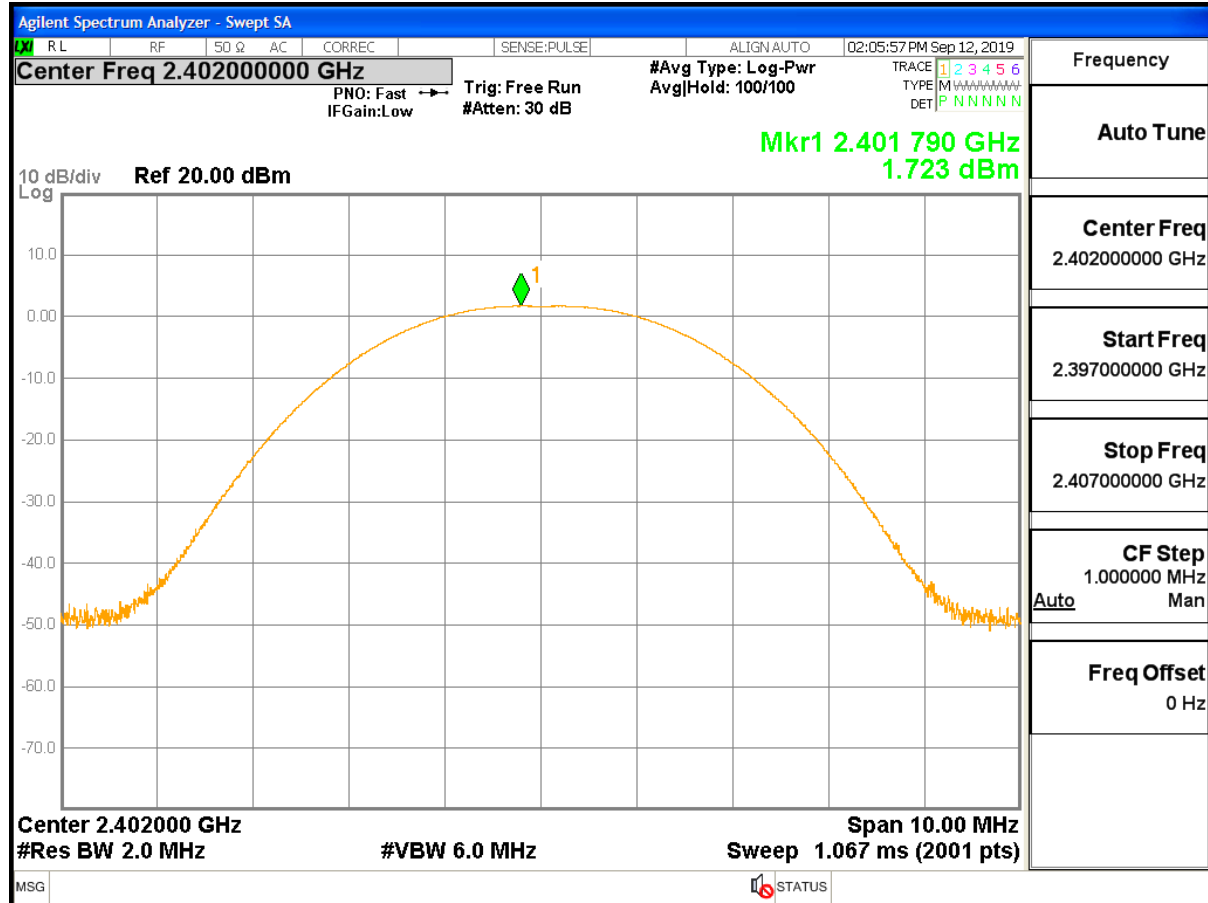
A.2. Occupied Bandwidth

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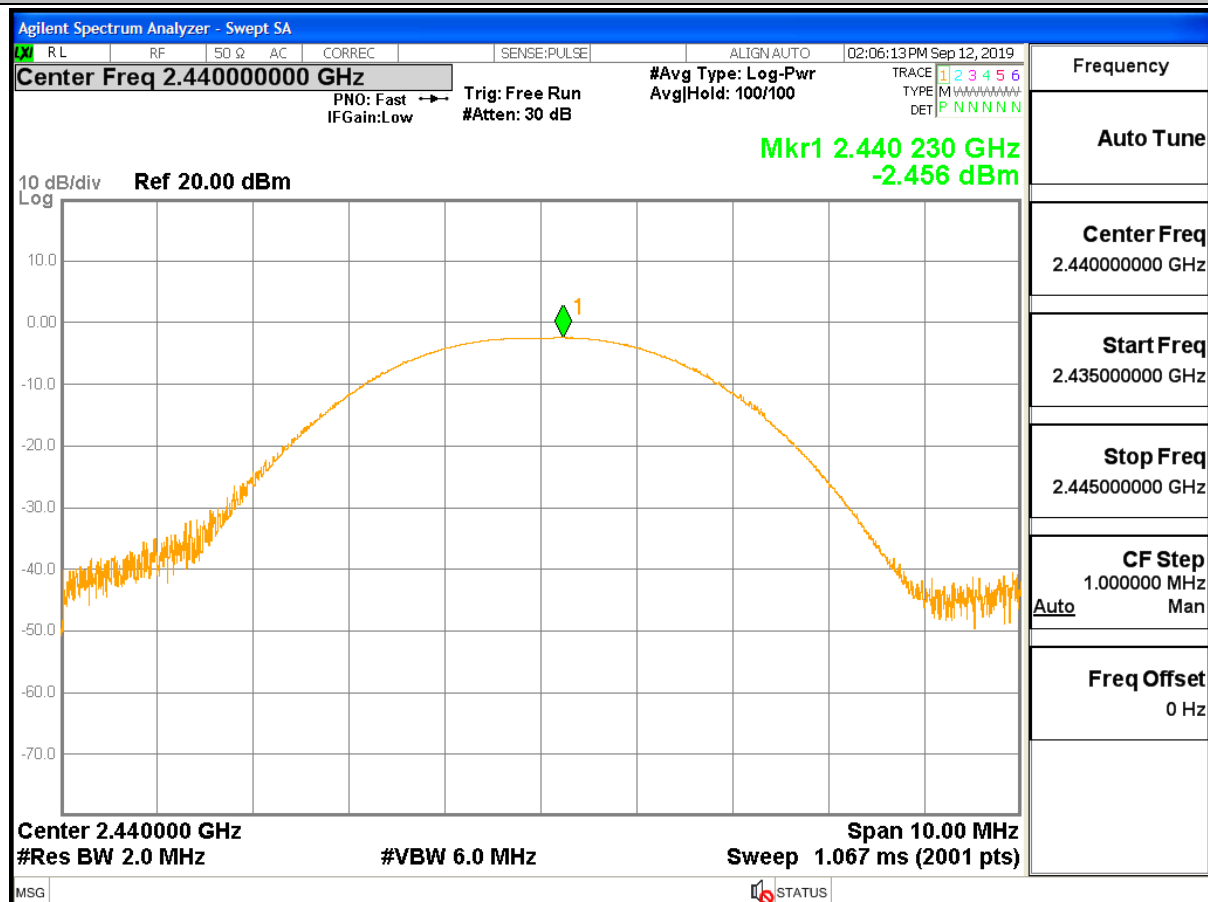
A.3. Maximum peak conducted output power

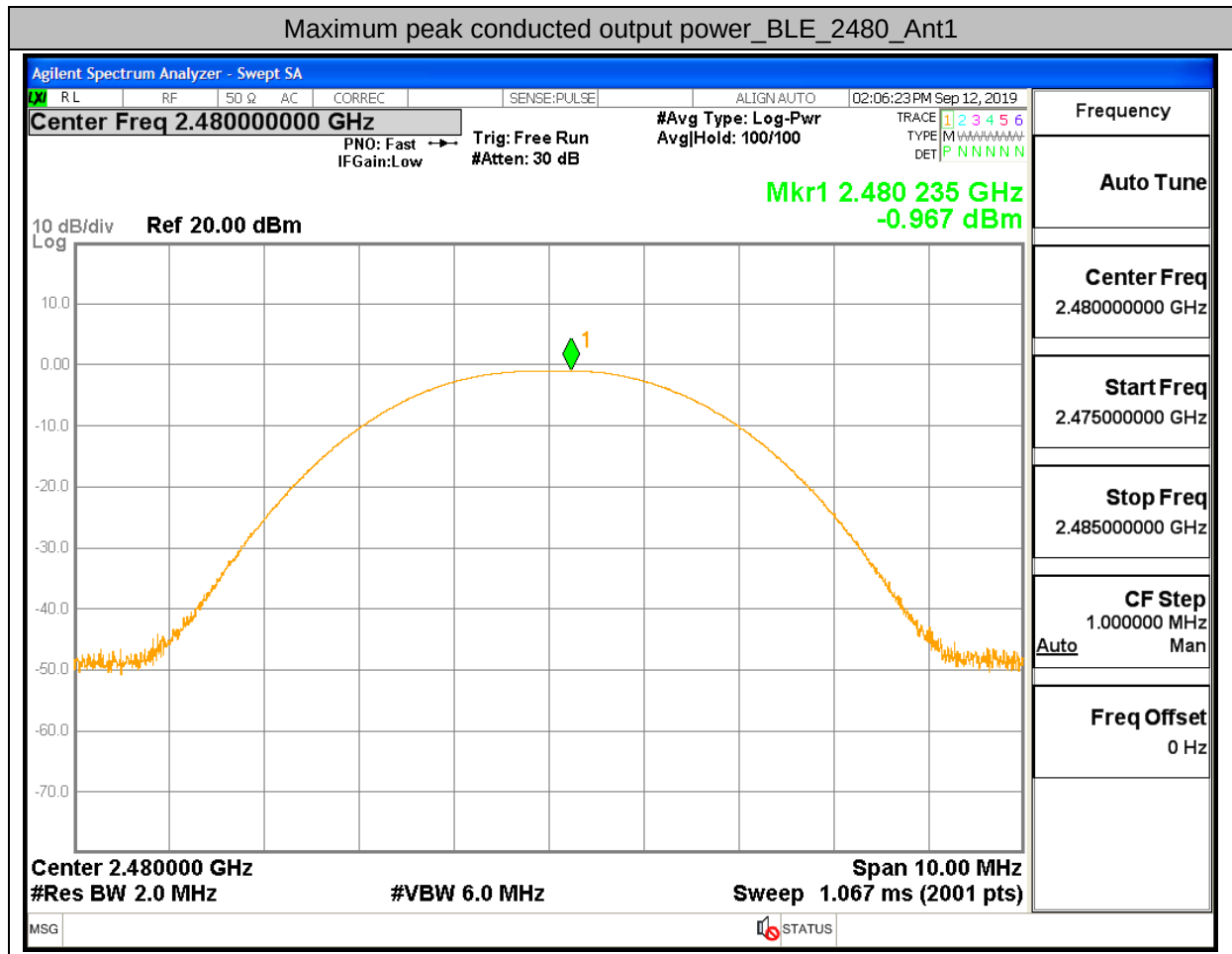
Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	1.723	30	PASS
BLE	2440	Ant1	-2.456	30	PASS
BLE	2480	Ant1	-0.967	30	PASS

Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1

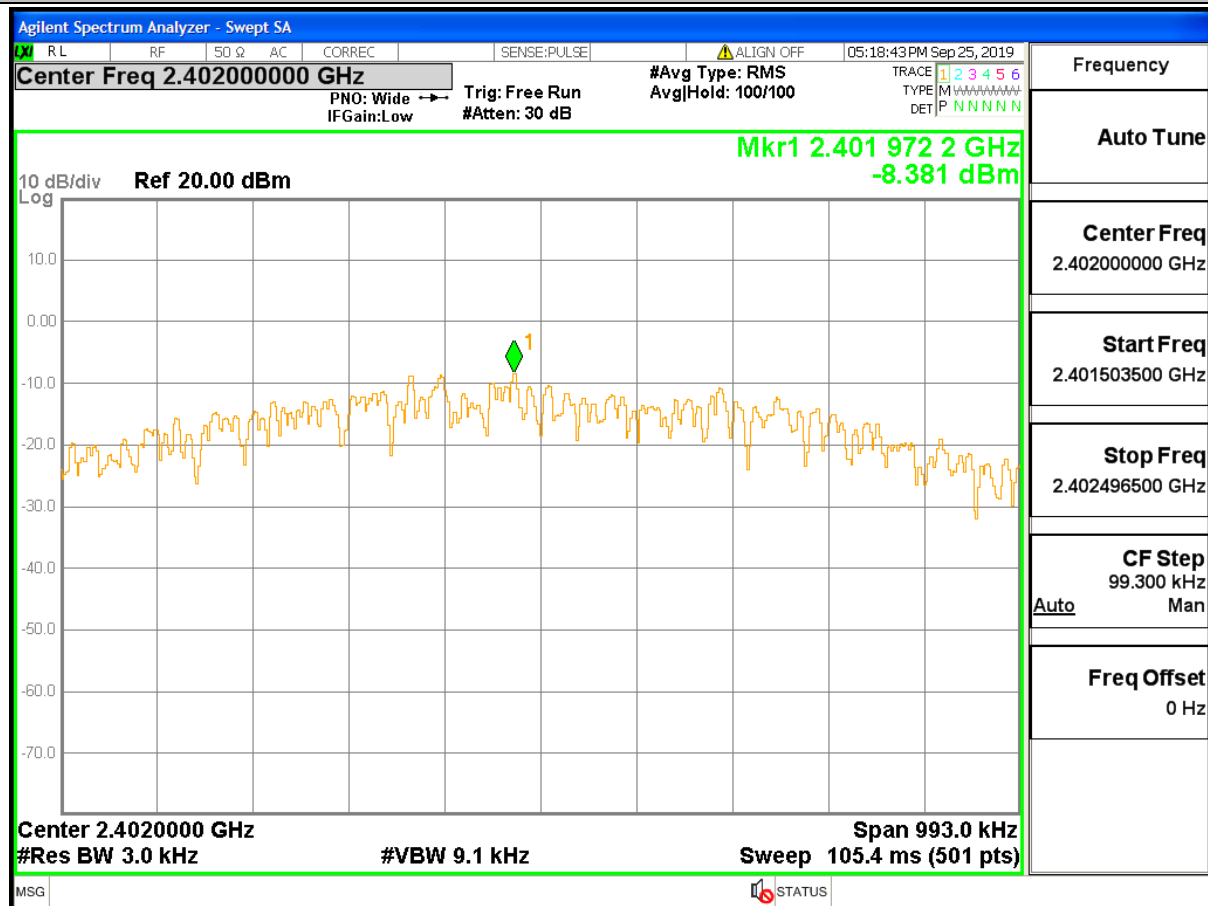




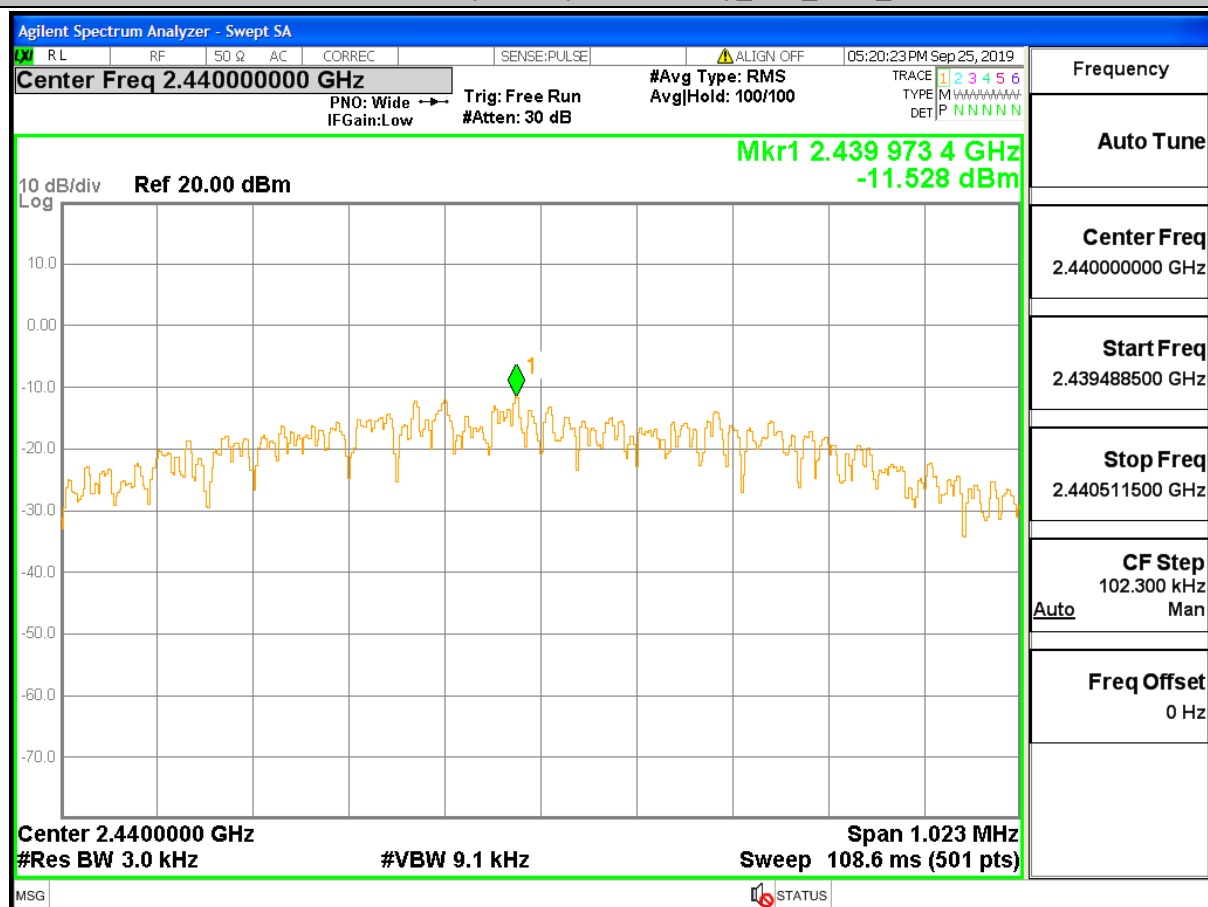
A.4. Maximum Peak power spectral density

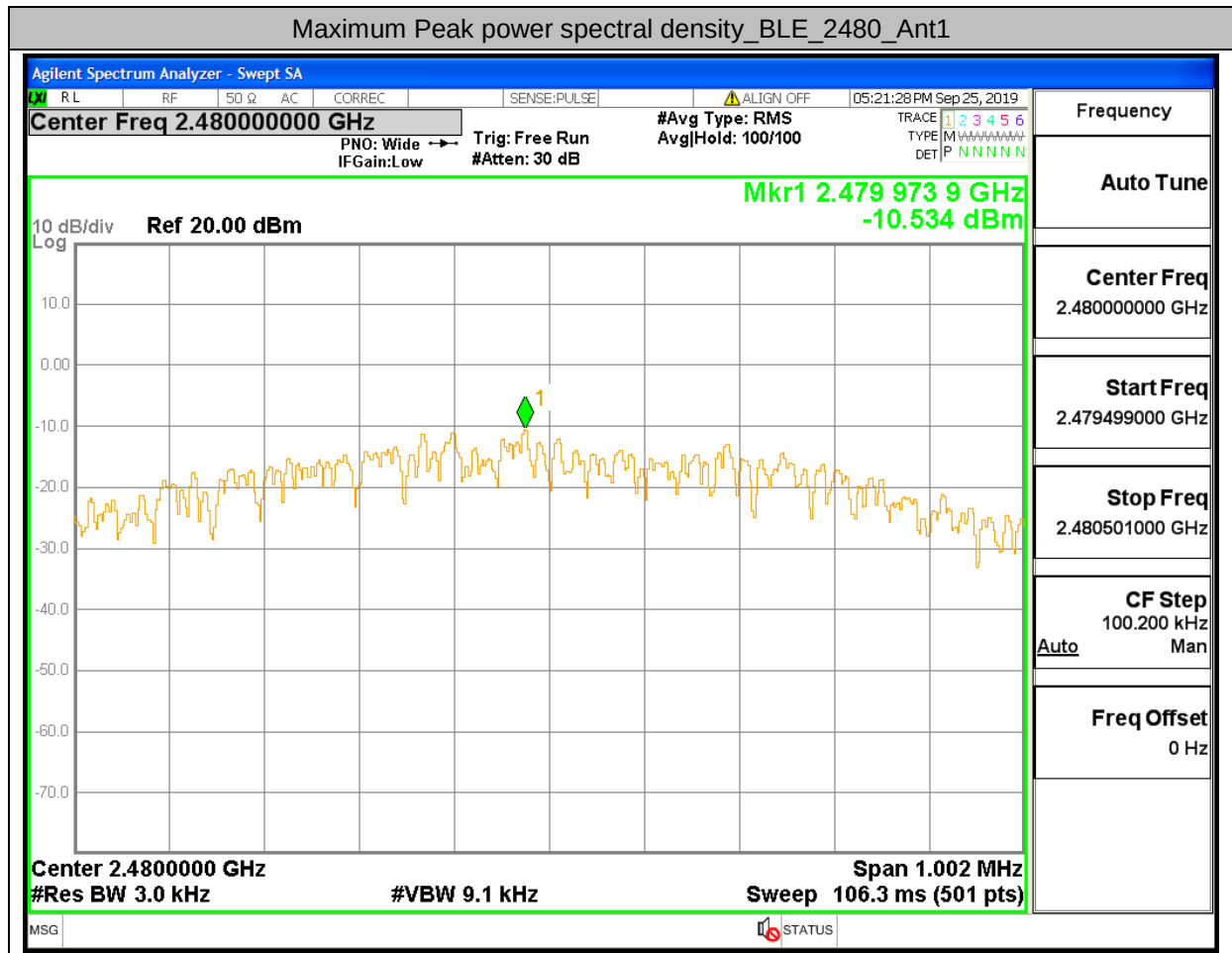
Test	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-8.381	8.00	PASS
BLE	2440	Ant1	-11.528	8.00	PASS
BLE	2480	Ant1	-10.534	8.00	PASS

Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



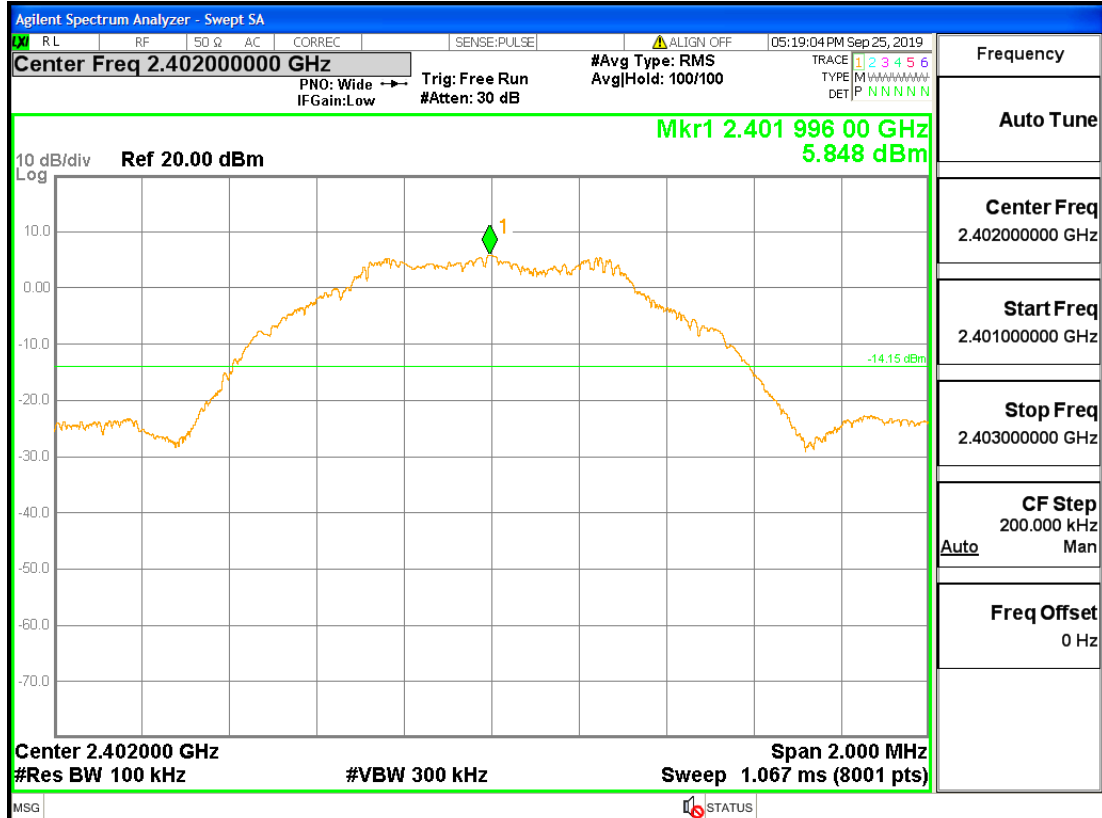


A.5. Band-edge for RF Conducted Emissions

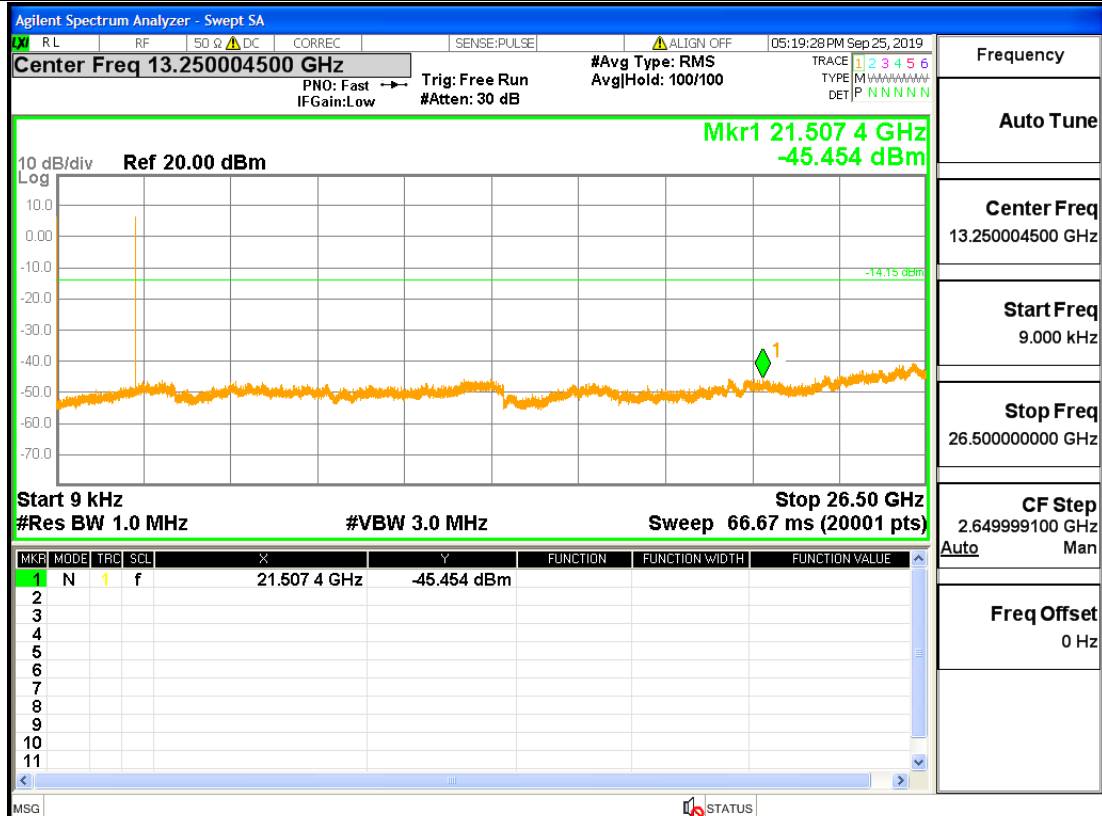
Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2400	5.688	-55.42	-14.312	2400	Pass
BLE	2483.5	3.578	-62.54	-16.422	2483.5	Pass

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

Pref

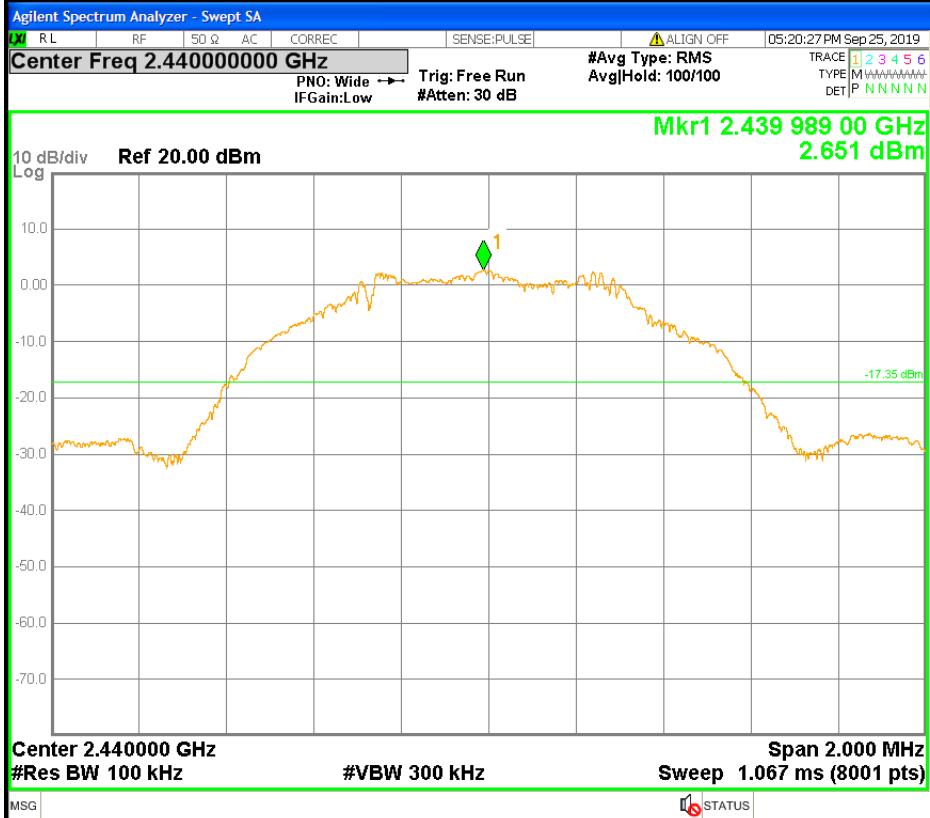


PuW

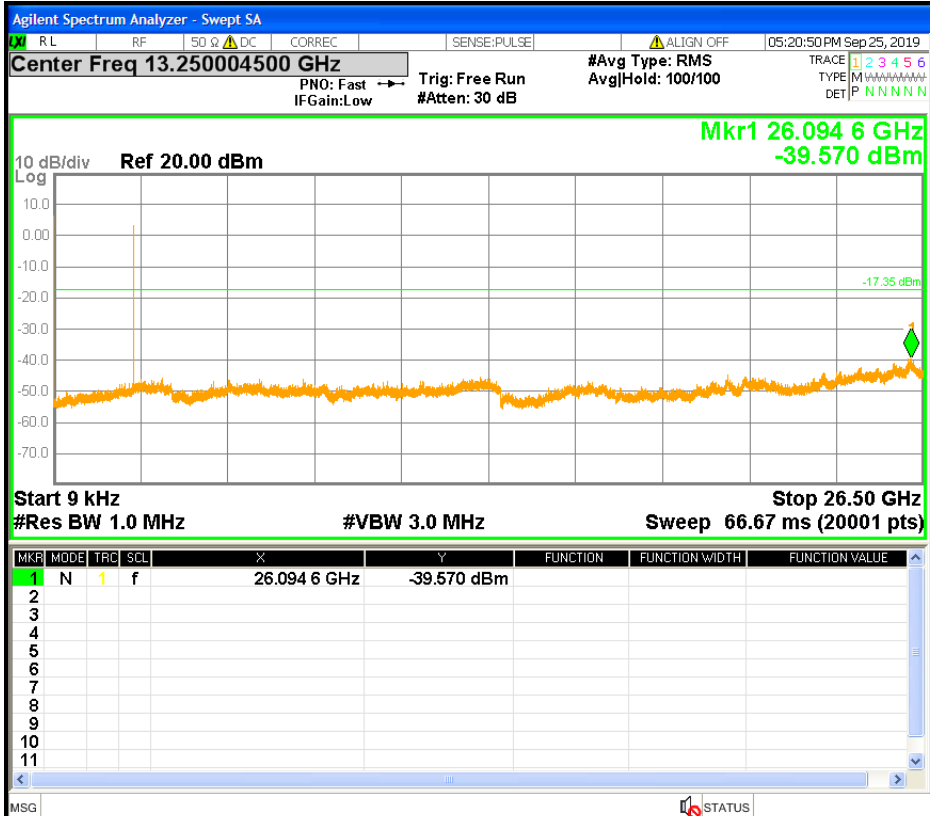


RF Conducted Spurious Emissions_BLE_2440_Ant1

Pref

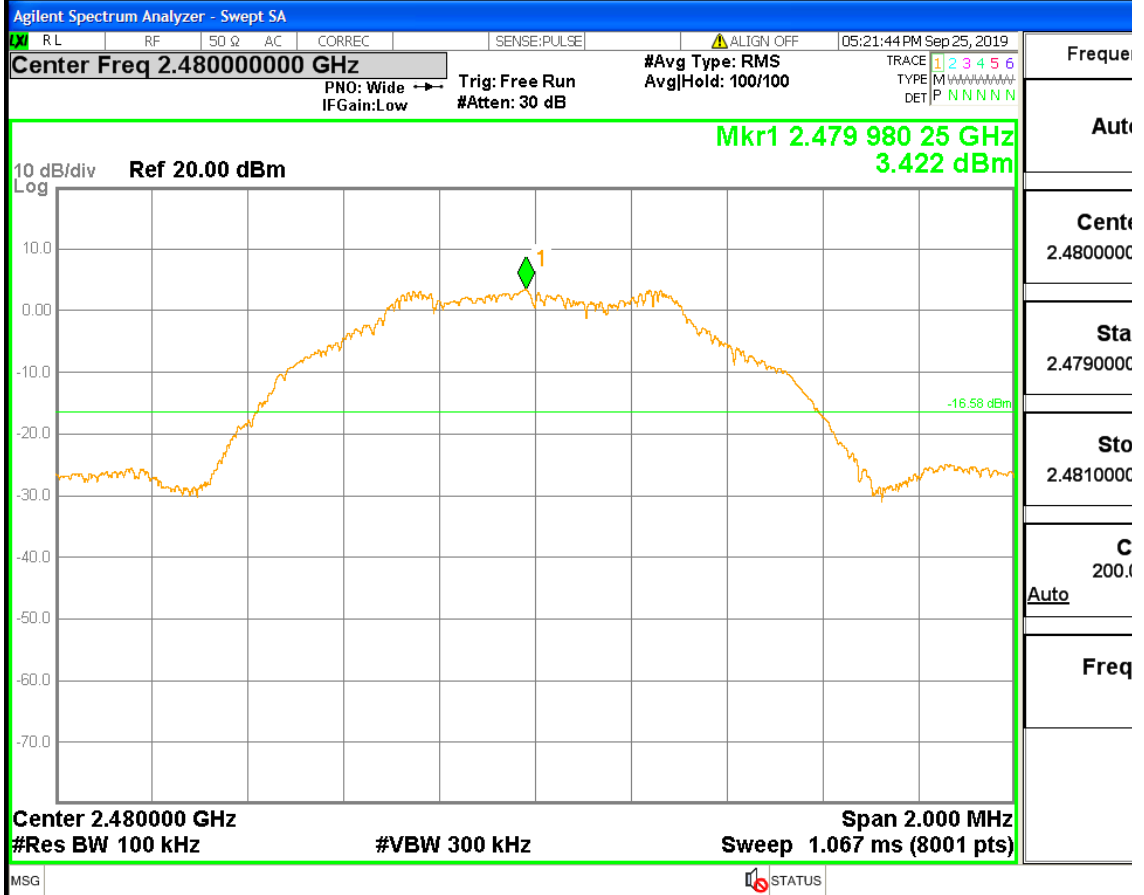


PuW

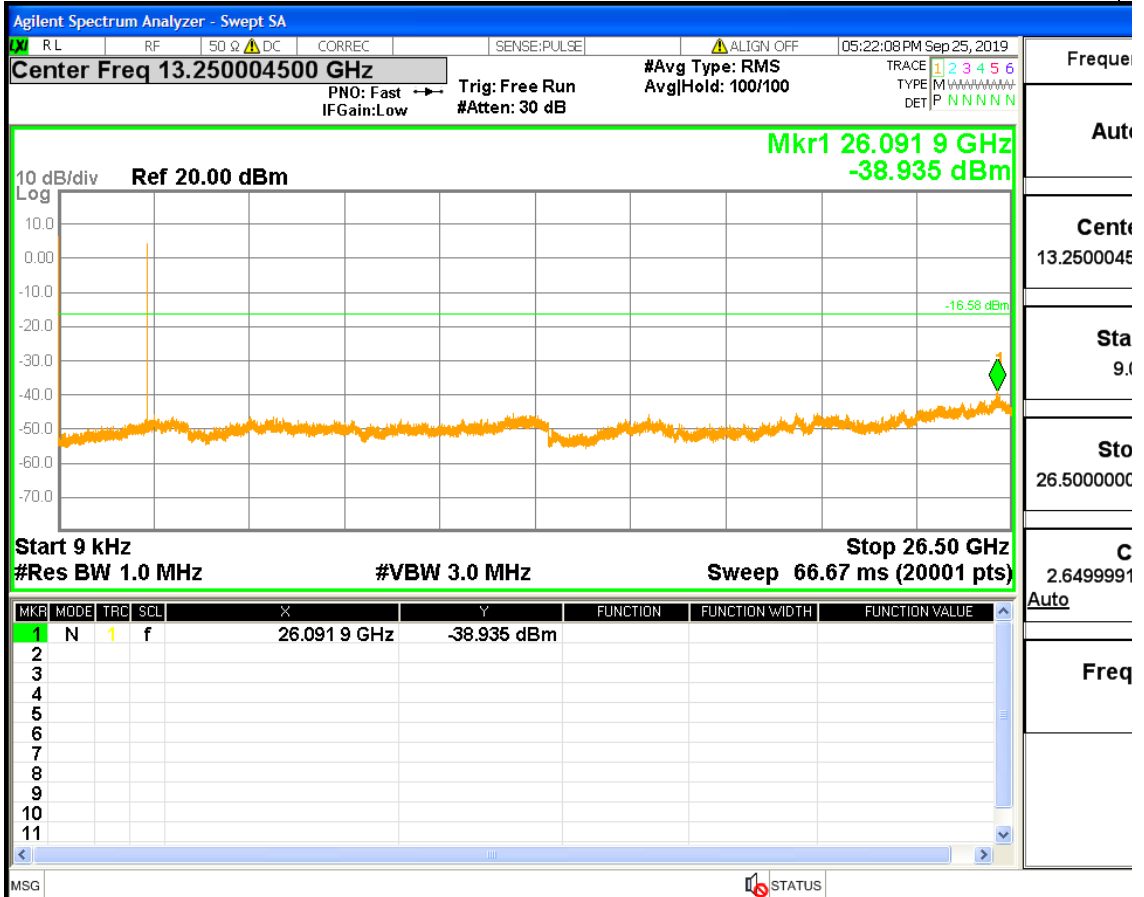


RF Conducted Spurious Emissions_BLE_2480_Ant1

Pref



Puw

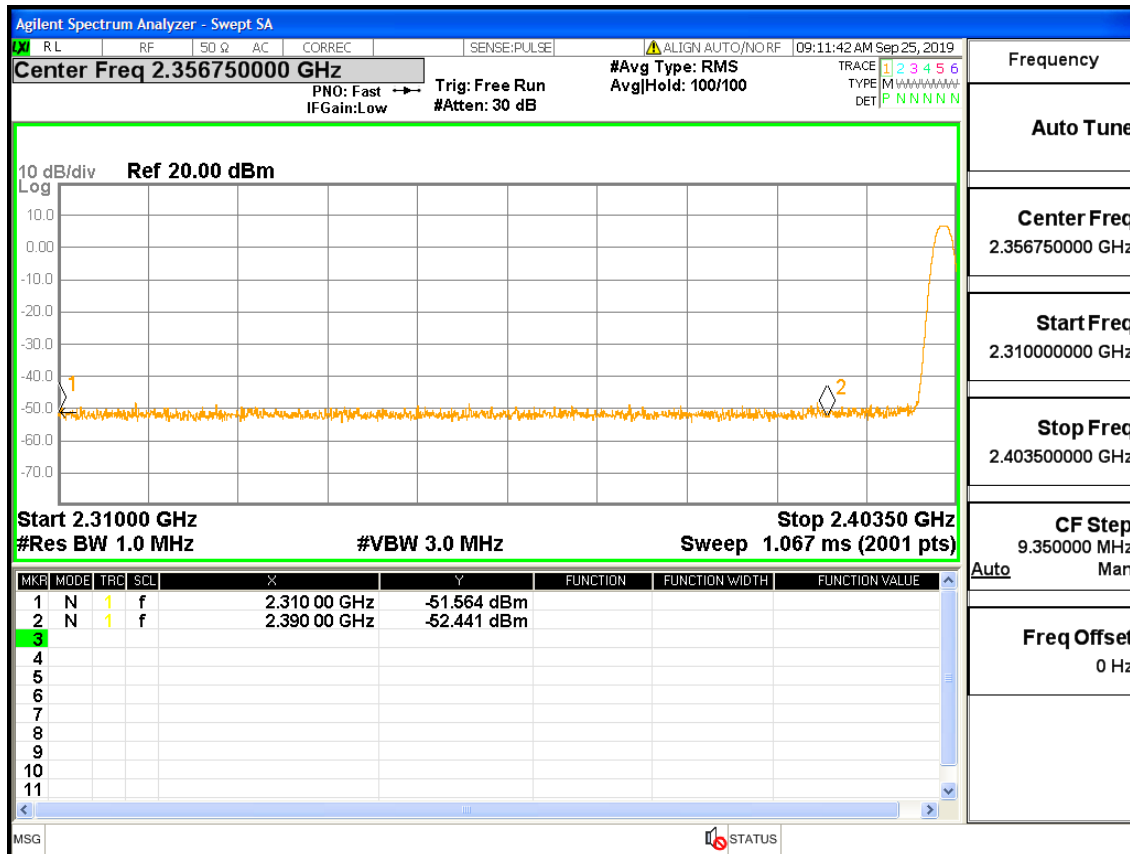


A.7. Restrict-band band-edge measurements

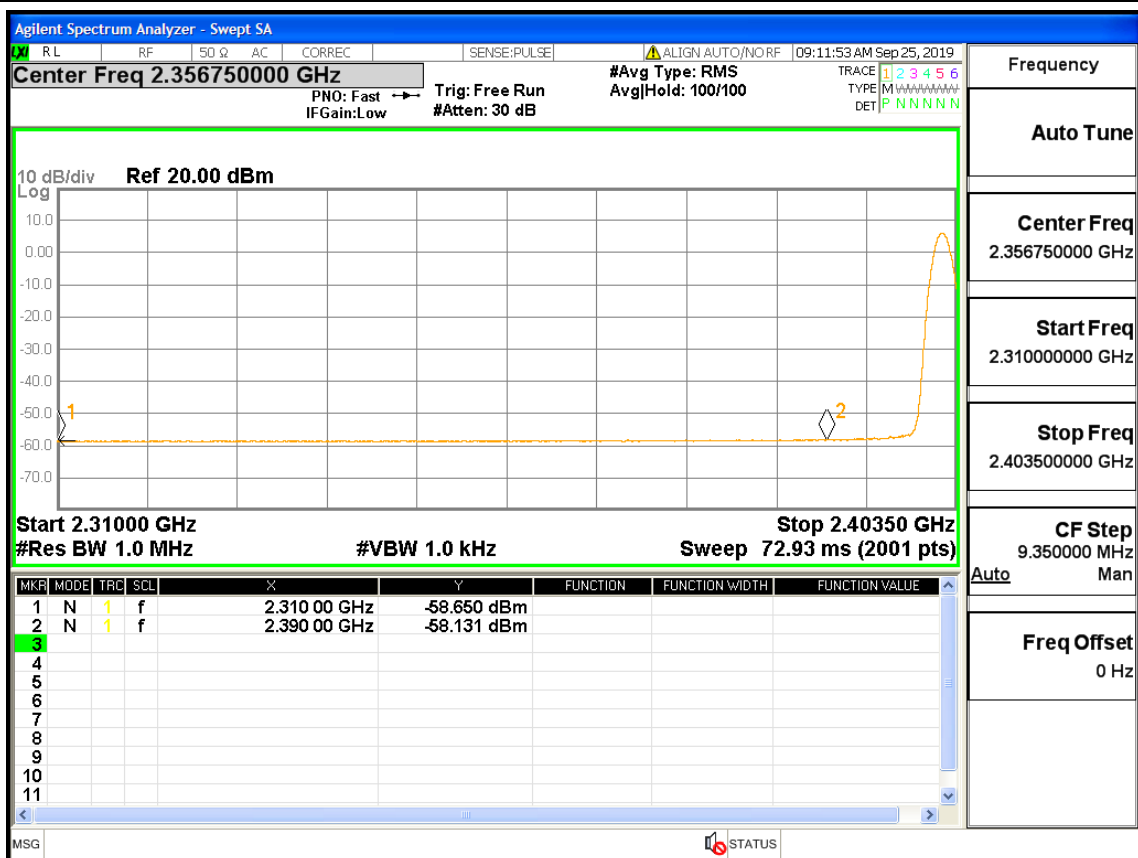
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
BLE	2402	2310	2.00	0.00	-51.56	45.64	74	Pass
BLE	2480	2500	2.00	0.00	-51.63	45.57	74	Pass

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	-58.13	39.07	54	Pass
BLE	2480	2500	2.00	0.00	-56.74	40.46	54	Pass

Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BLE_2402_Ant1_AV



A.8. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE	2440	Ant1	63.14	PASS

