

Appendix A

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

Product Name: SEVENTEEN LIGHT STICK

Trade Mark: N/A

Test Model: SEVENTEEN02V

FCC ID: 2ATJV- SEVENTEEN02V

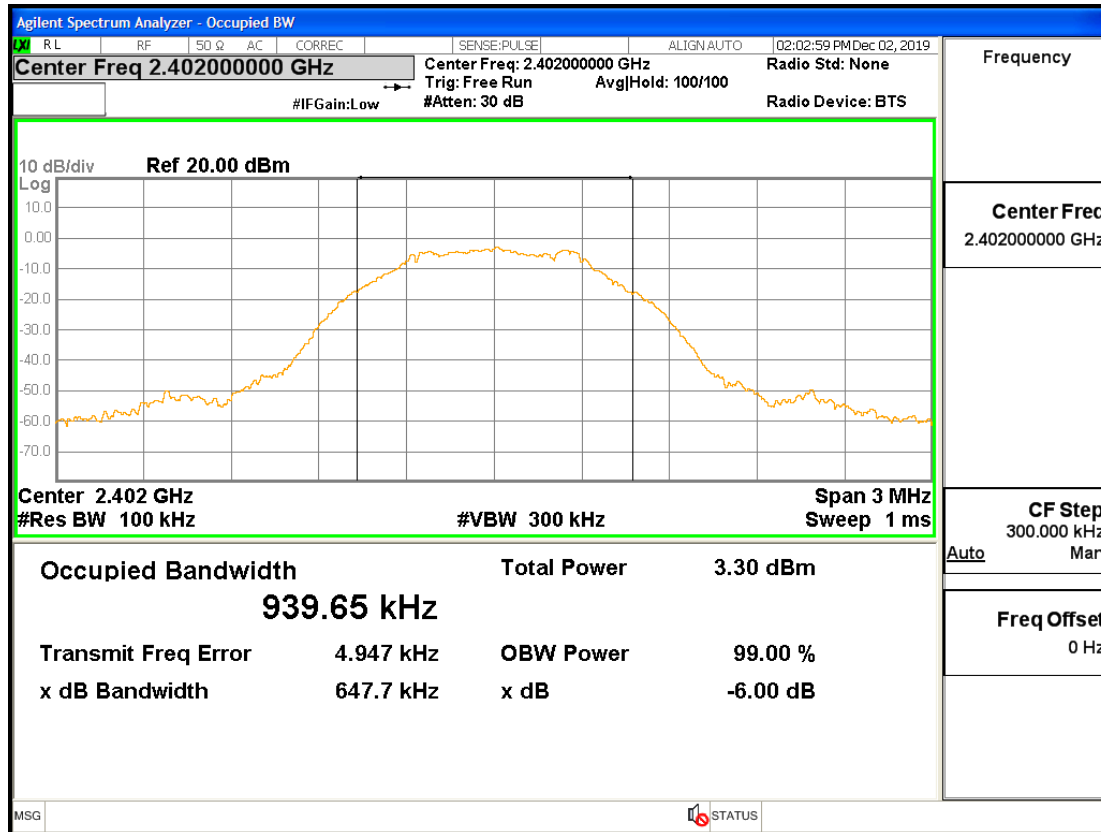
Environmental Conditions

Temperature:	24.5° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

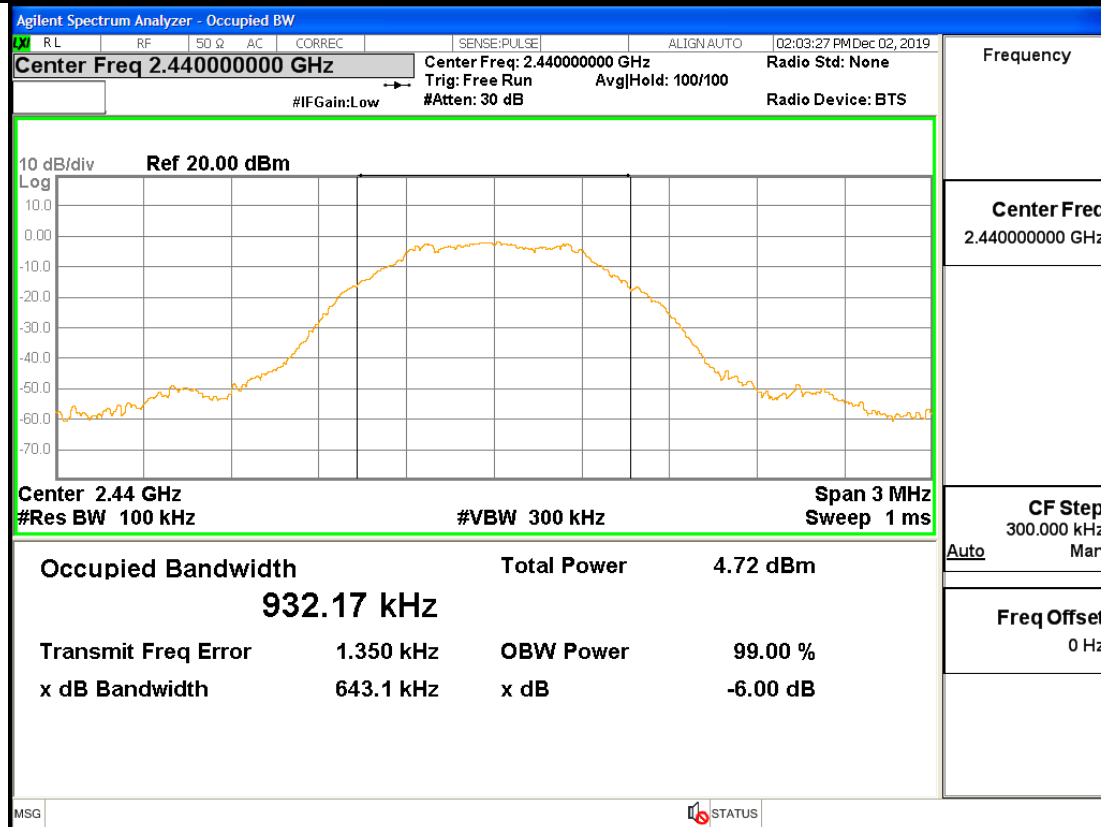
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.648	0.5	PASS
BLE	2440	Ant1	0.643	0.5	PASS
BLE	2480	Ant1	0.627	0.5	PASS

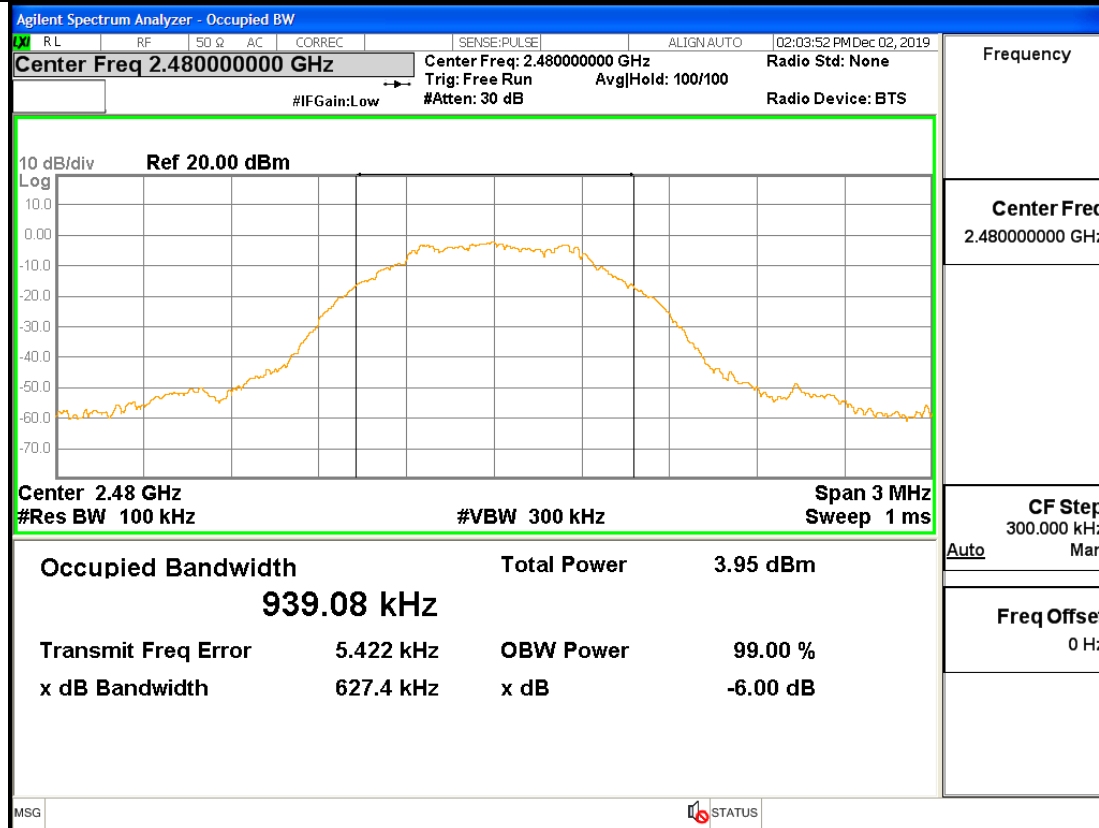
6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1



6dB Bandwidth_BLE_2480_Ant1



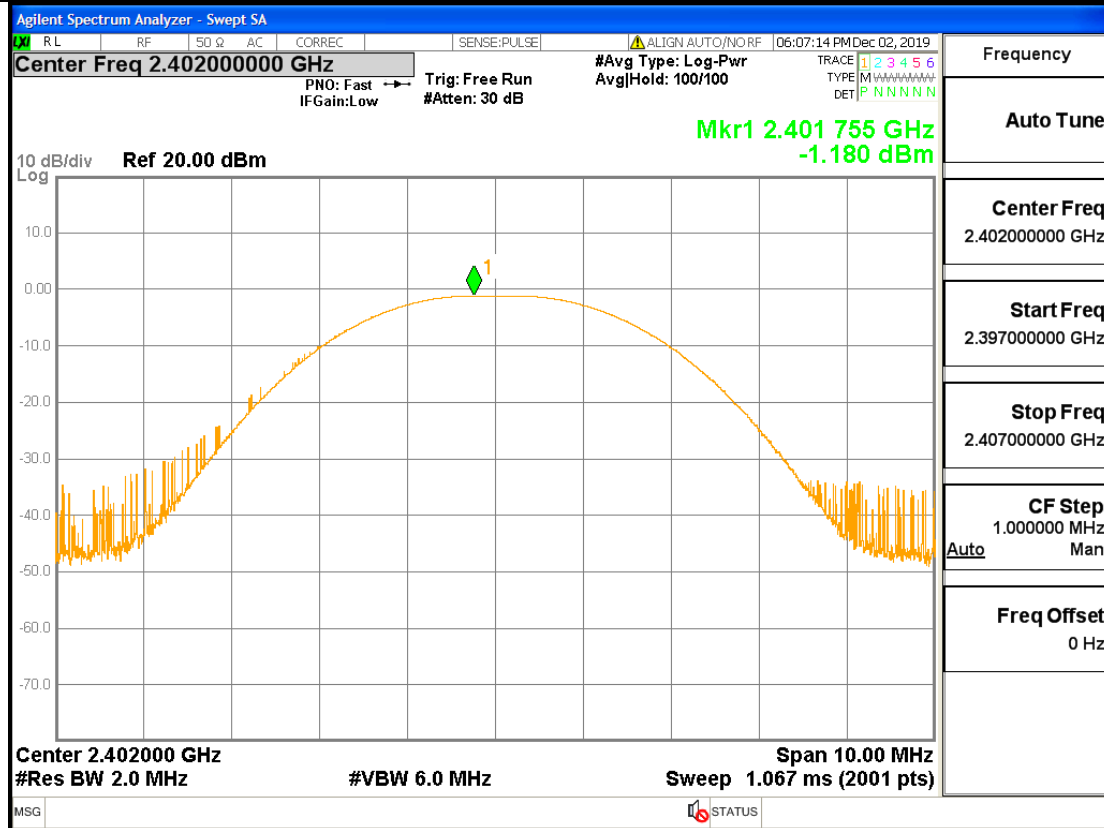
2.Occupied Bandwidth

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

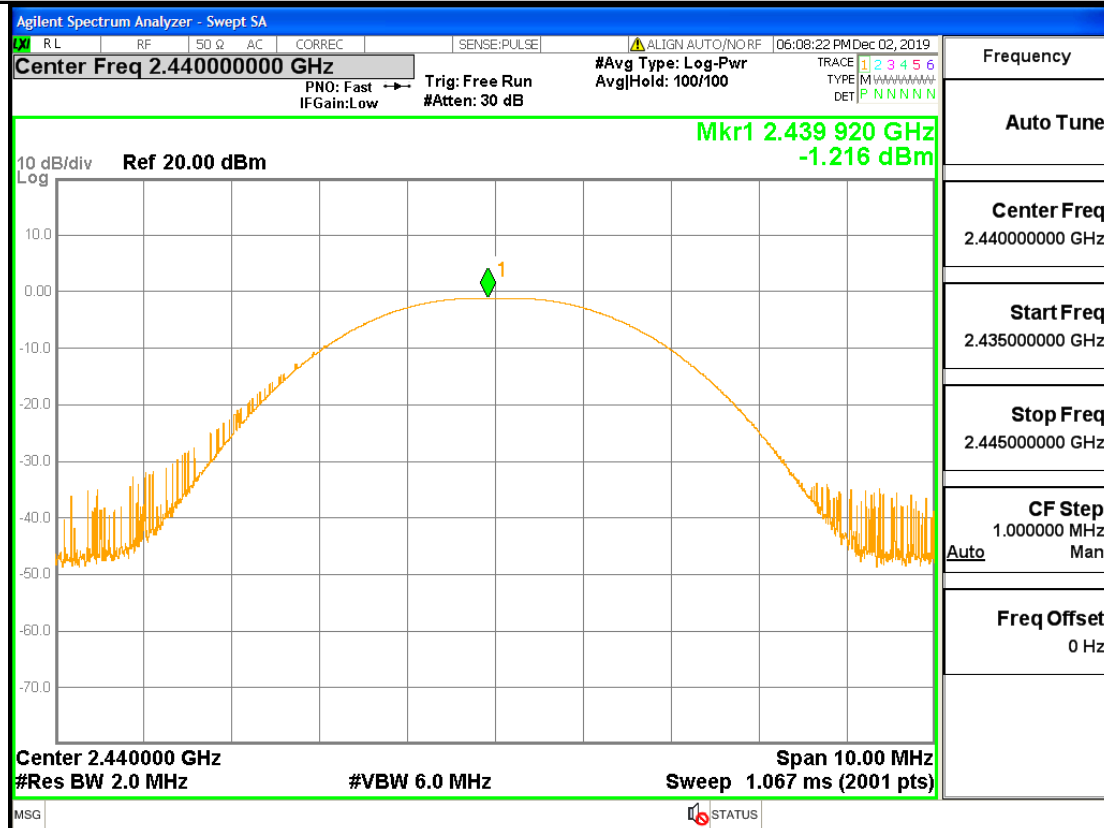
3.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	-1.180	30	PASS
BLE	2440	Ant1	-1.216	30	PASS
BLE	2480	Ant1	-1.136	30	PASS

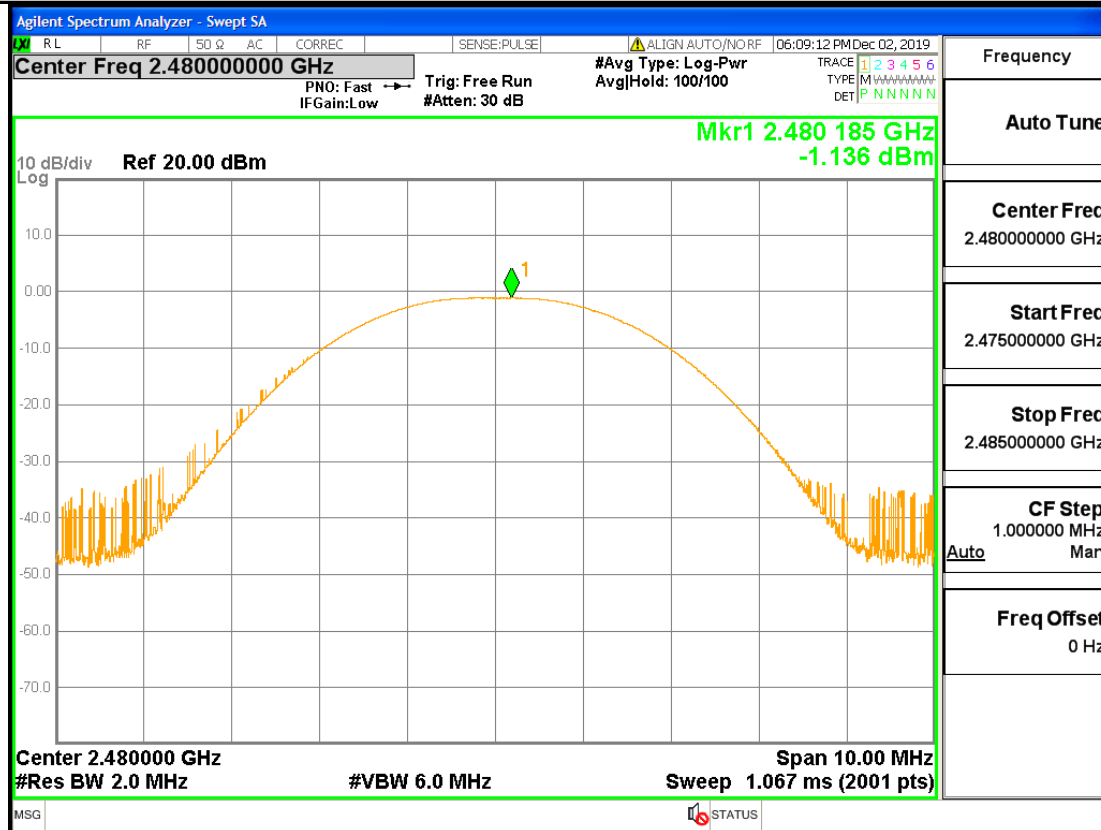
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



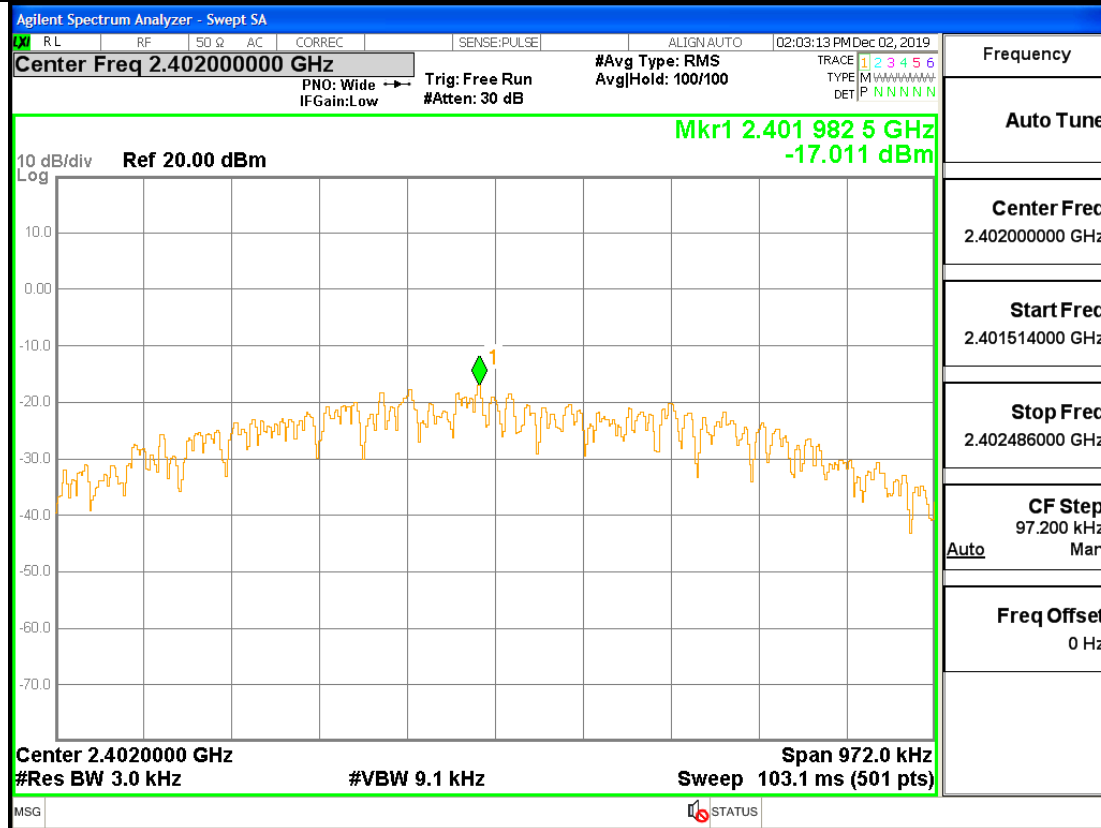
Maximum peak conducted output power_BLE_2480_Ant1



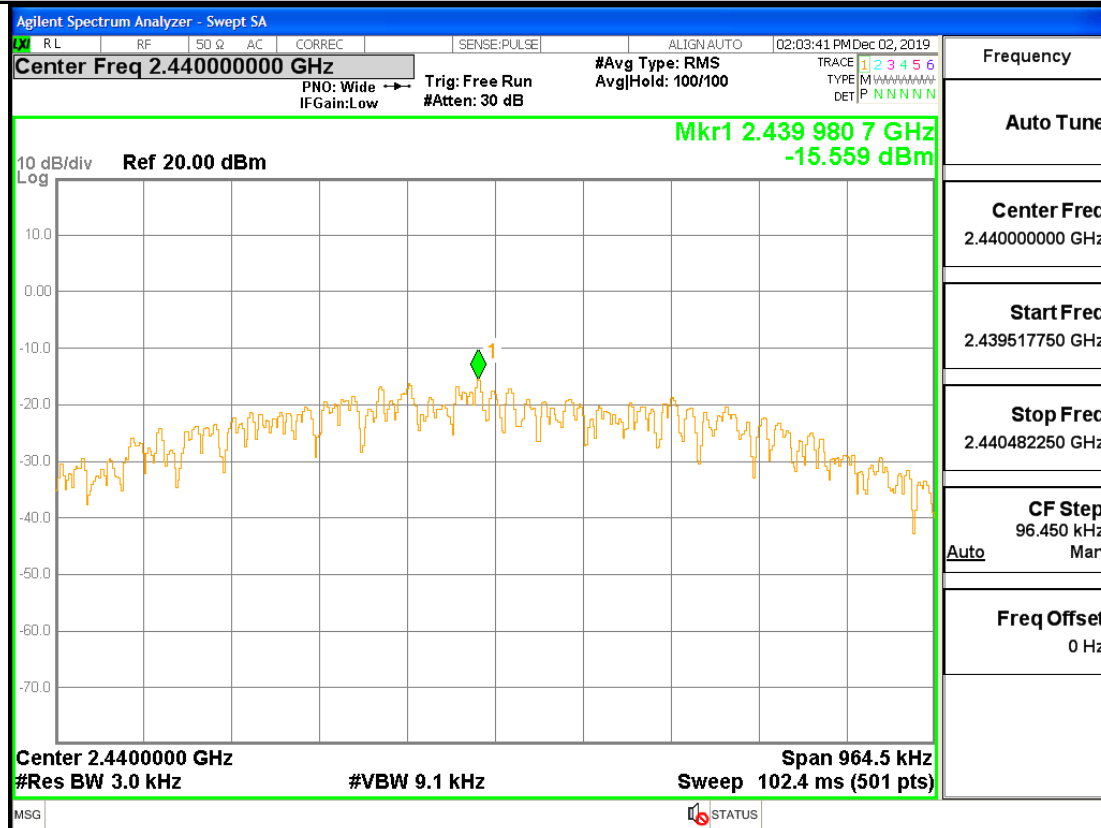
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-17.011	8.00	PASS
BLE	2440	Ant1	-15.559	8.00	PASS
BLE	2480	Ant1	-16.217	8.00	PASS

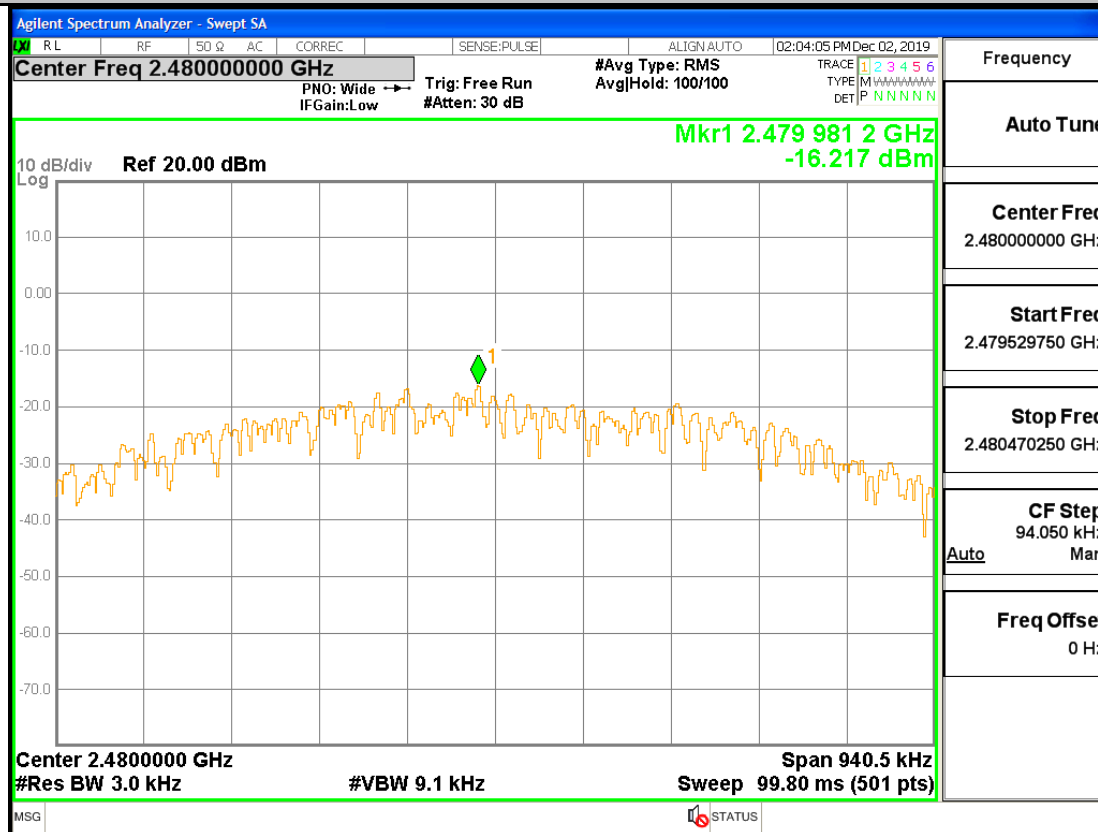
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



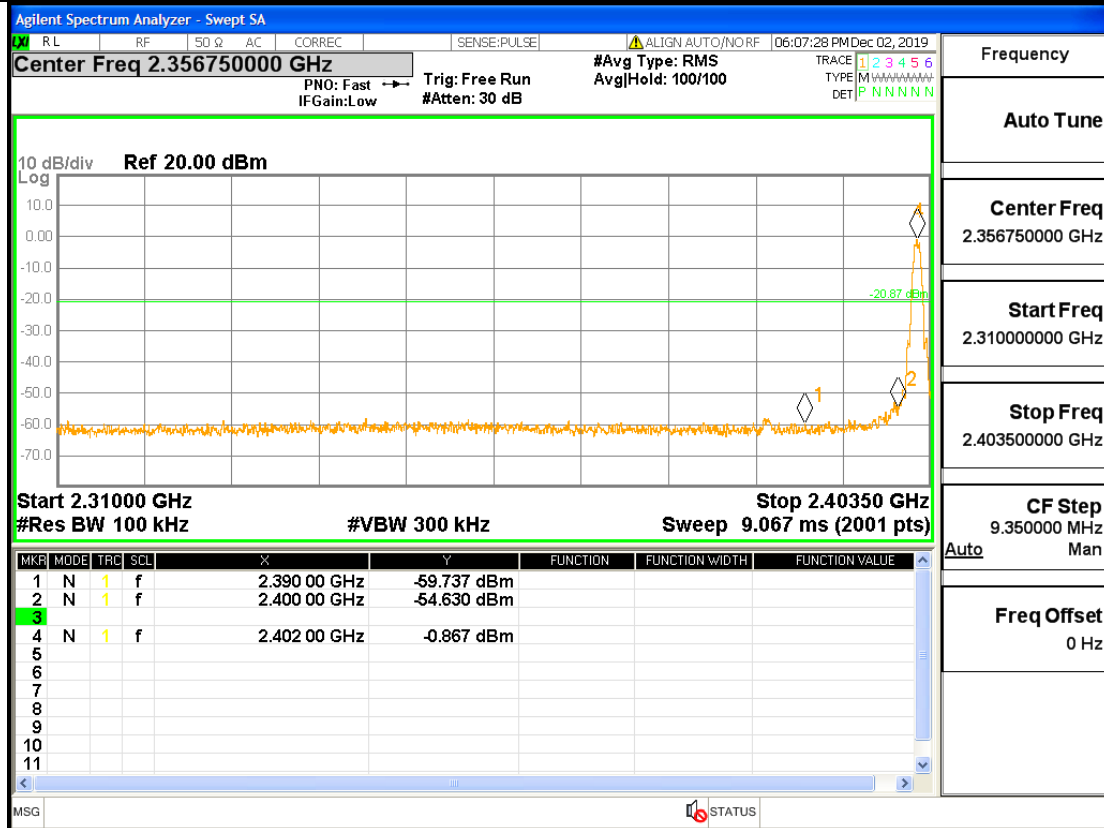
Maximum Peak power spectral density_BLE_2480_Ant1



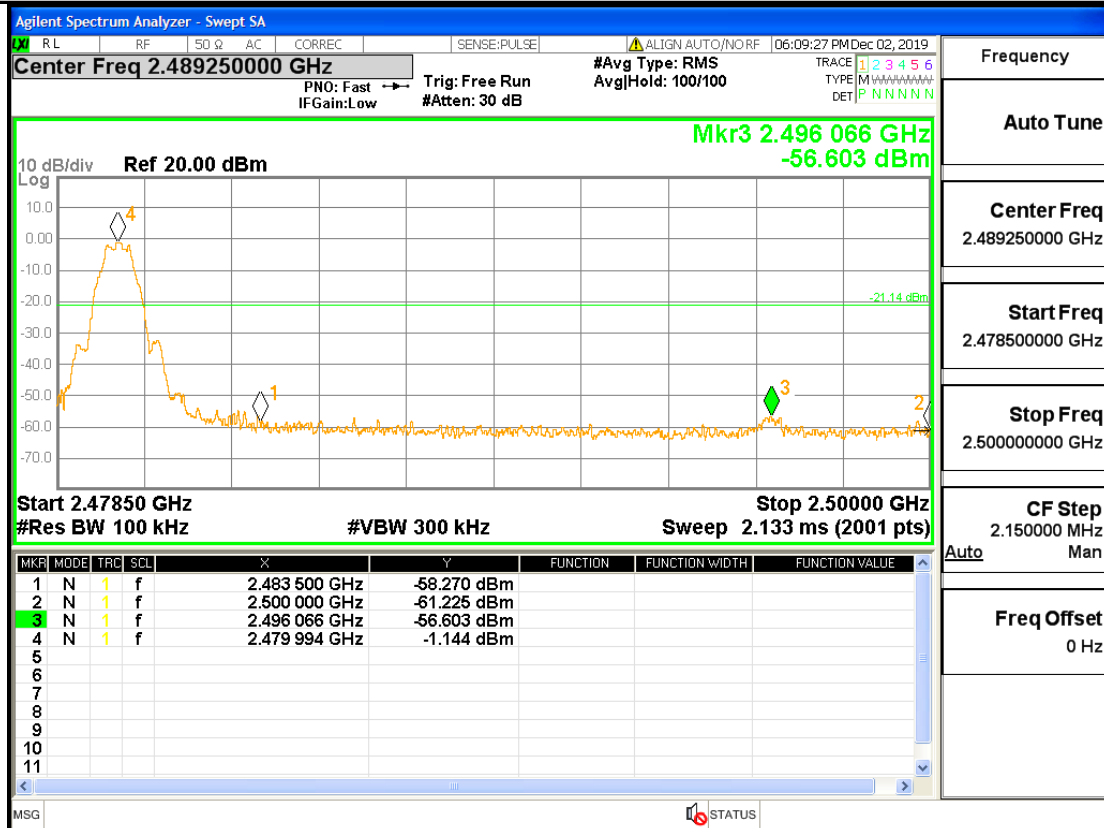
5.Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE	2402	2400	-0.867	-54.63	-20.867	Pass
BLE	2480	2496.066	-1.144	-56.603	-21.144	Pass

Band-edge for RF Conducted Emissions_BLE_2402_Ant1

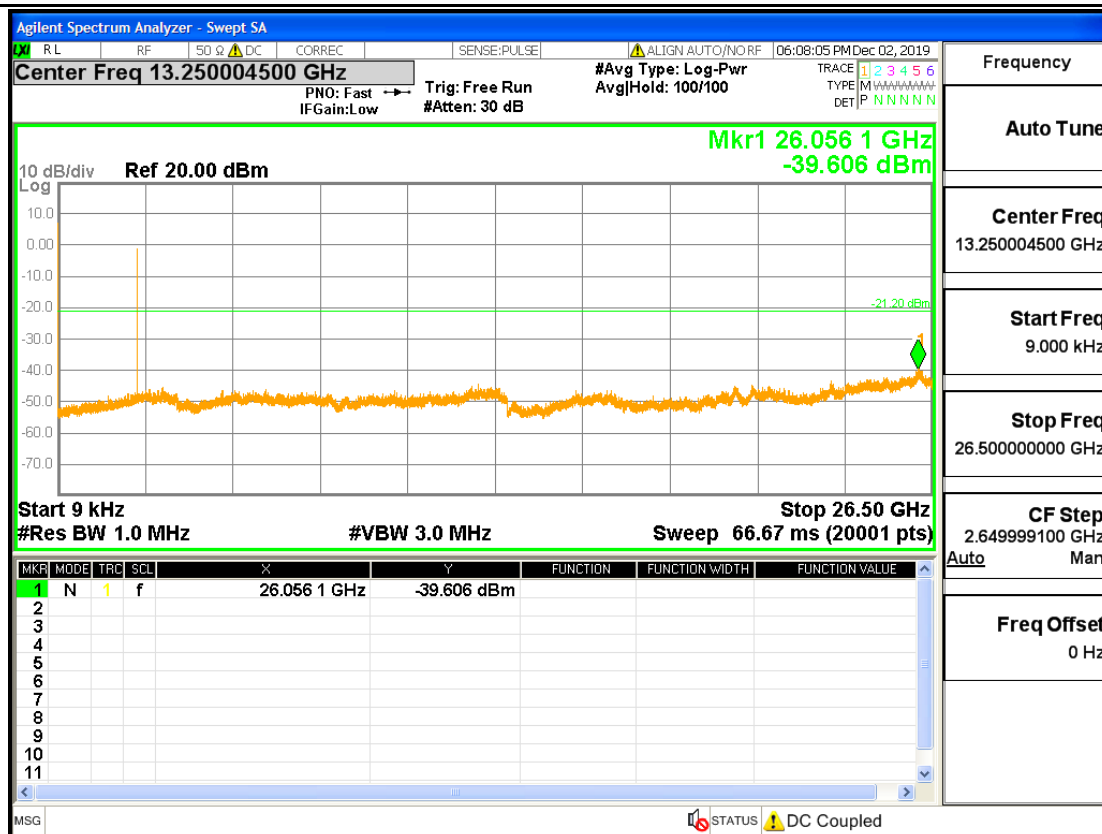
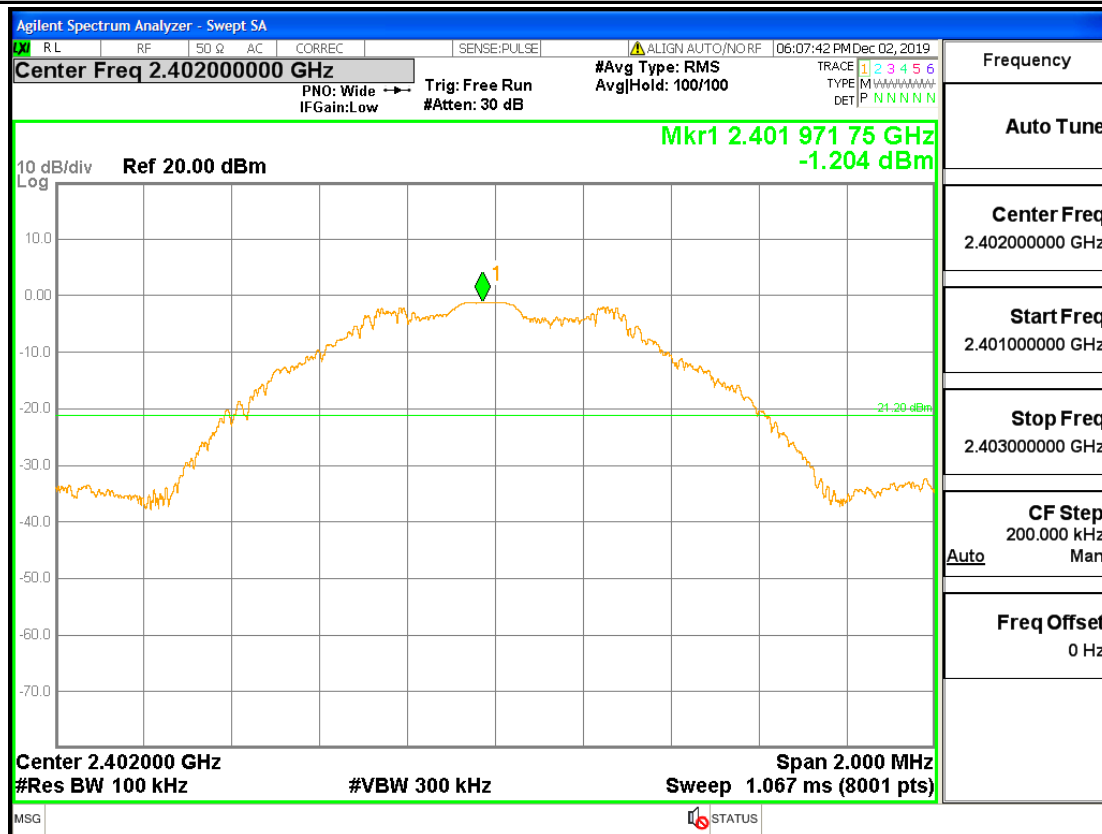


Band-edge for RF Conducted Emissions_BLE_2480_Ant1

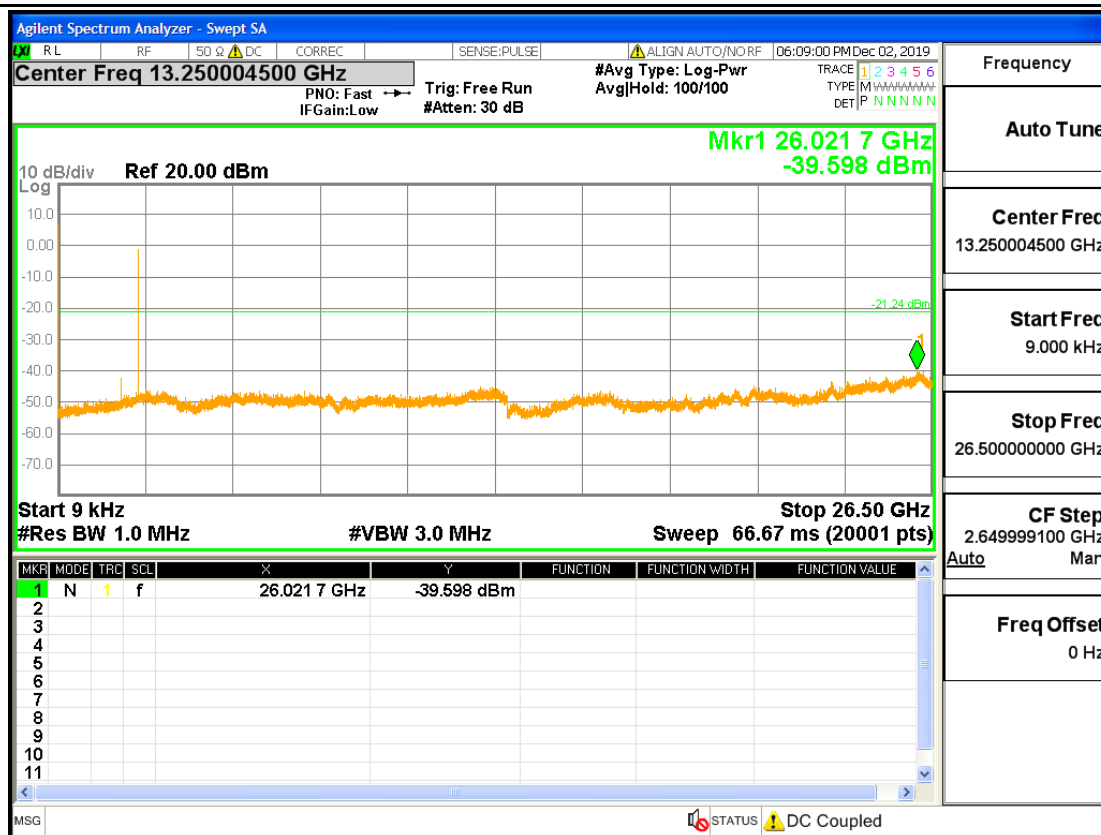
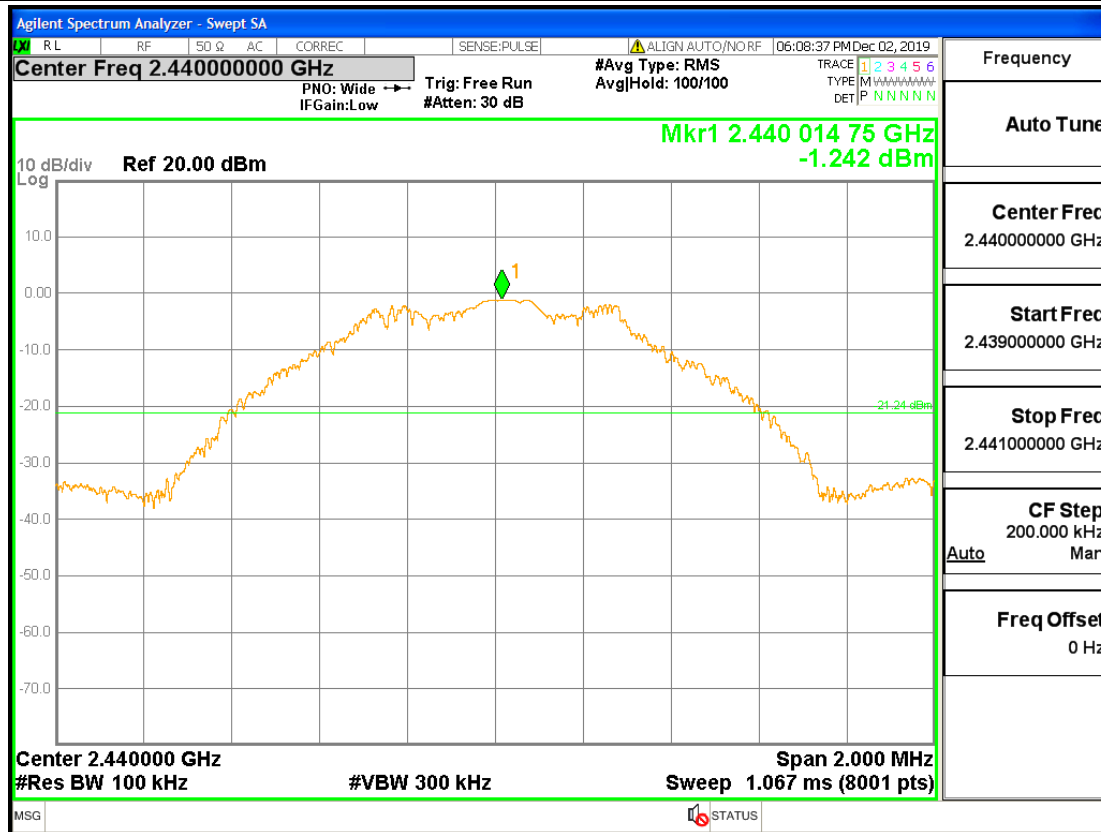


6.RF Conducted Spurious Emissions

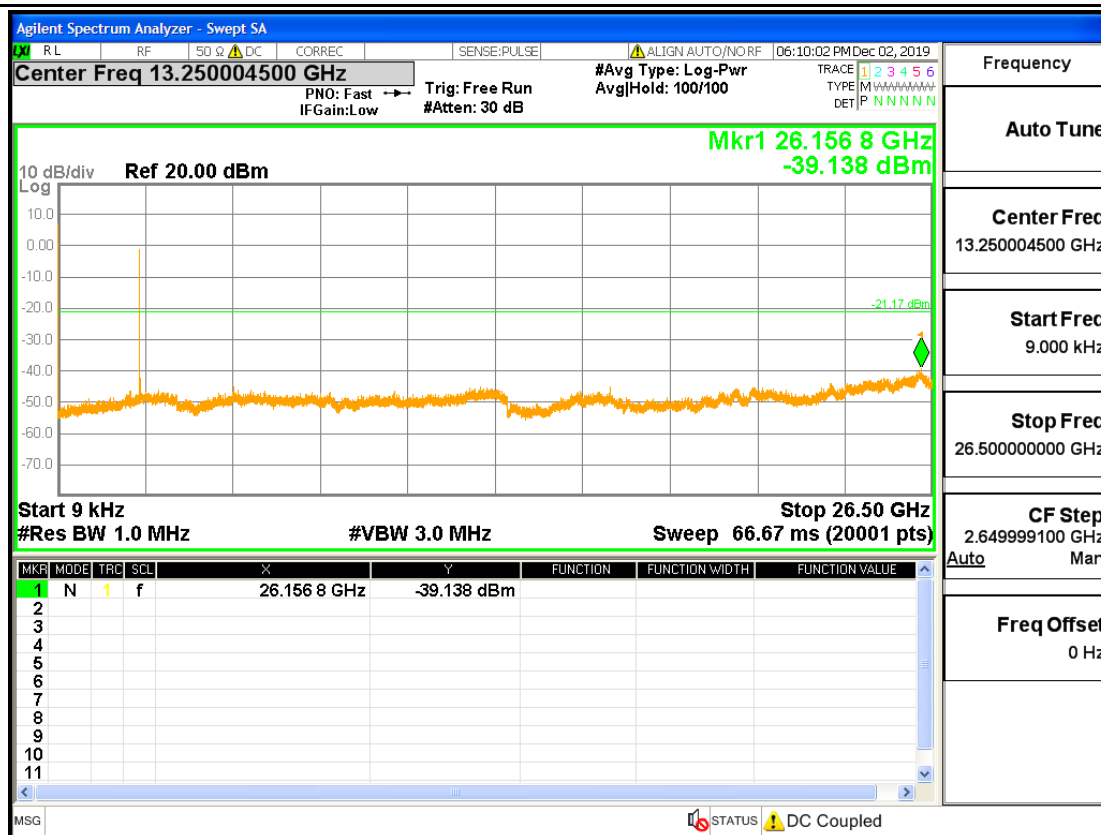
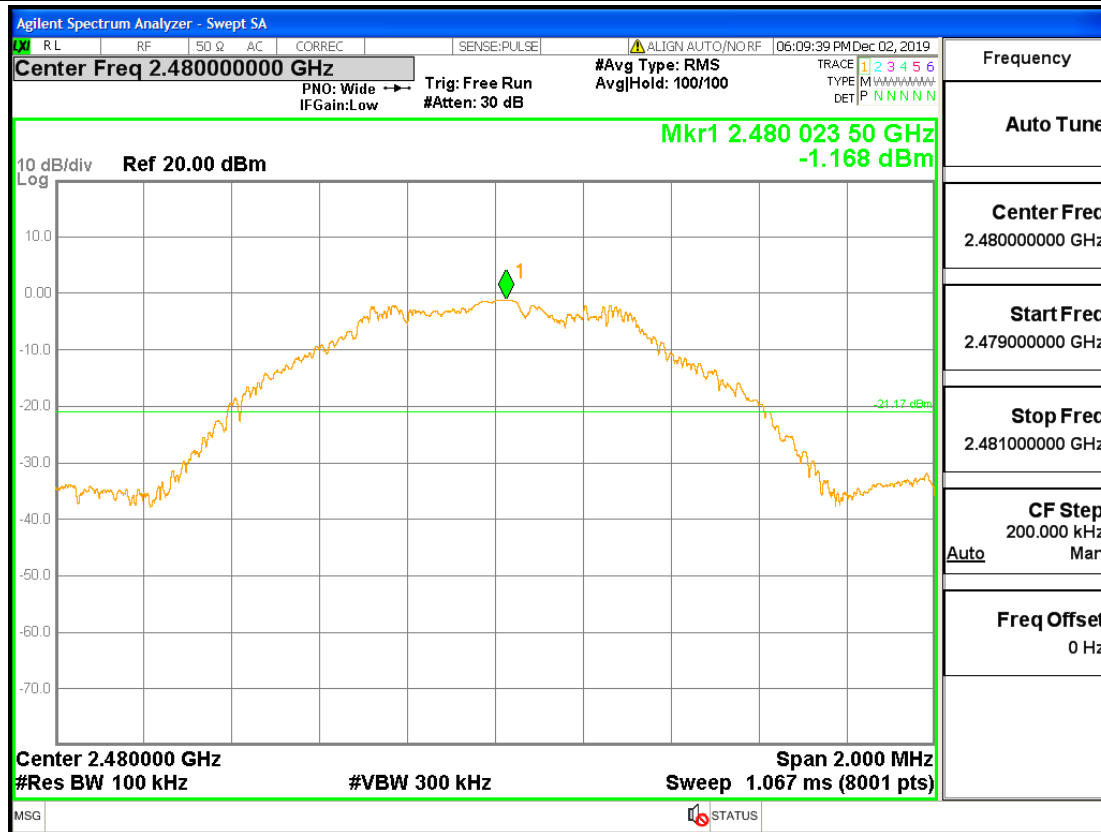
RF Conducted Spurious Emissions_BLE_2402_Ant1



RF Conducted Spurious Emissions_BLE_2440_Ant1



RF Conducted Spurious Emissions_BLE_2480_Ant1

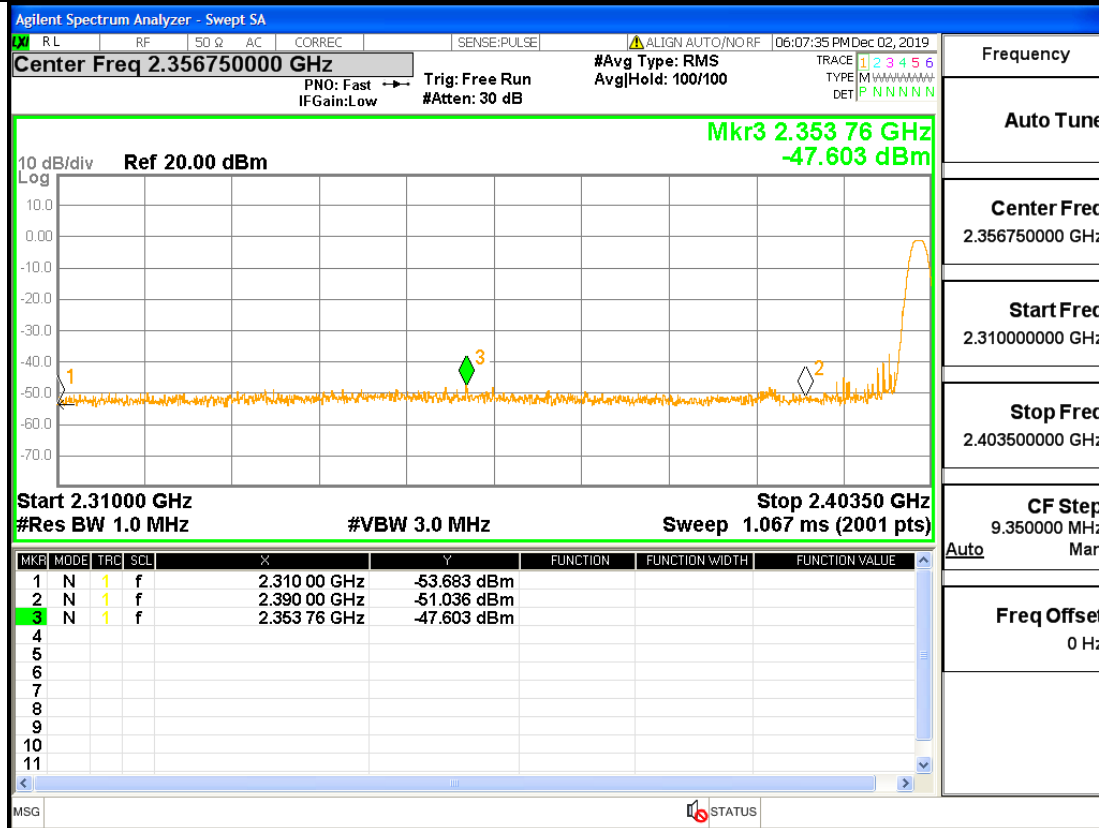


7.Restrict-band band-edge measurements

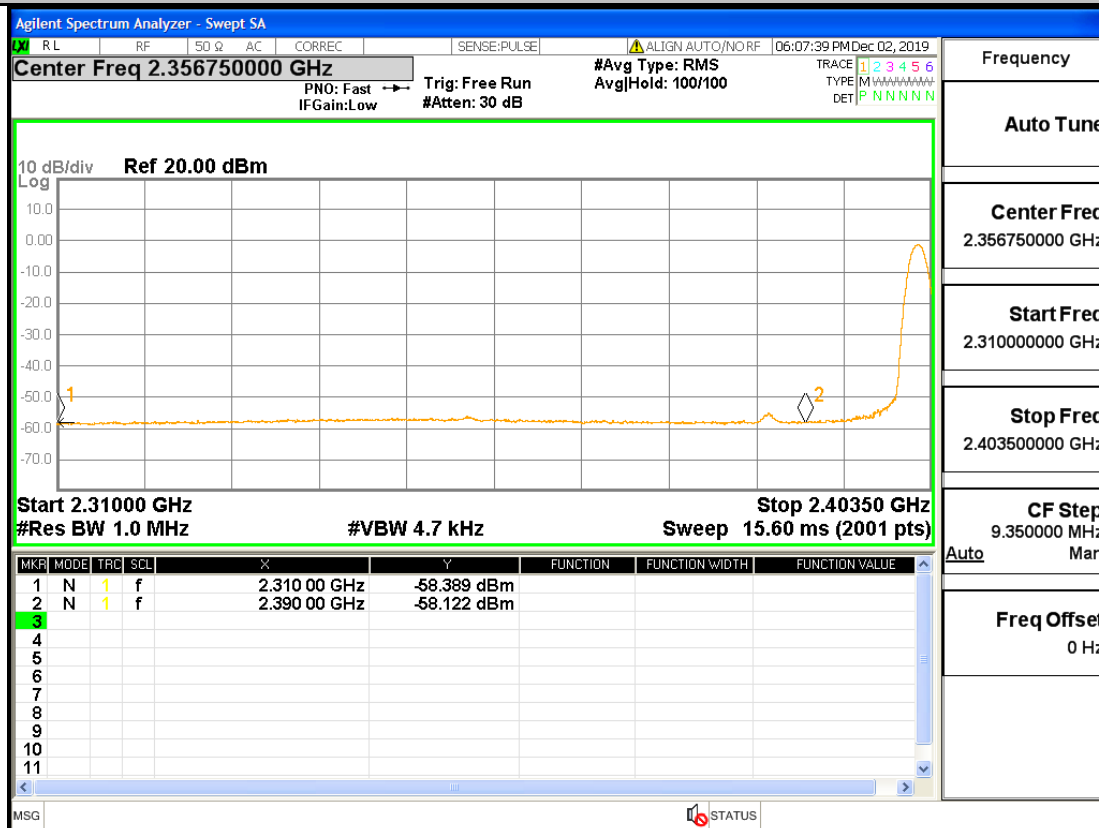
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2353.758	2.00	0.00	-47.603	49.597	74	Pass
1DH5	2480	2483.897	2.00	0.00	-39.809	57.391	74	Pass

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2353.758	2.00	0.00	-58.122	39.078	54	Pass
1DH5	2480	2483.897	2.00	0.00	-54.563	42.637	54	Pass

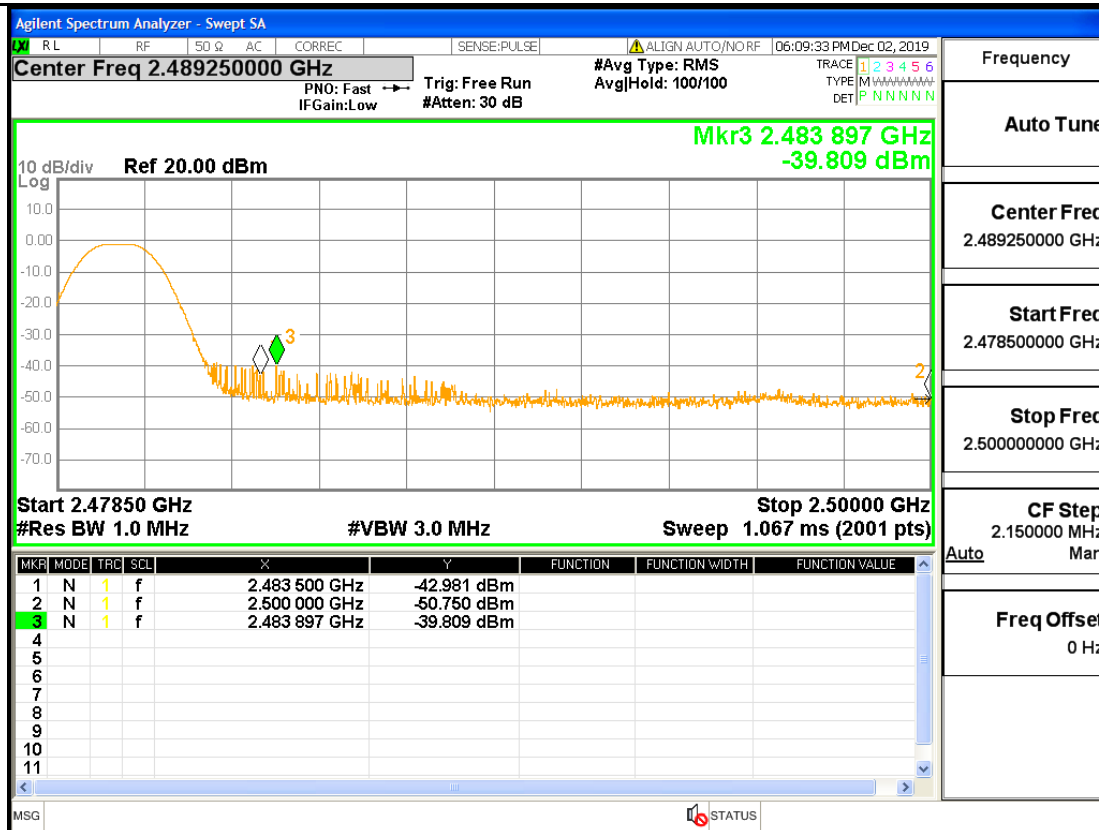
Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



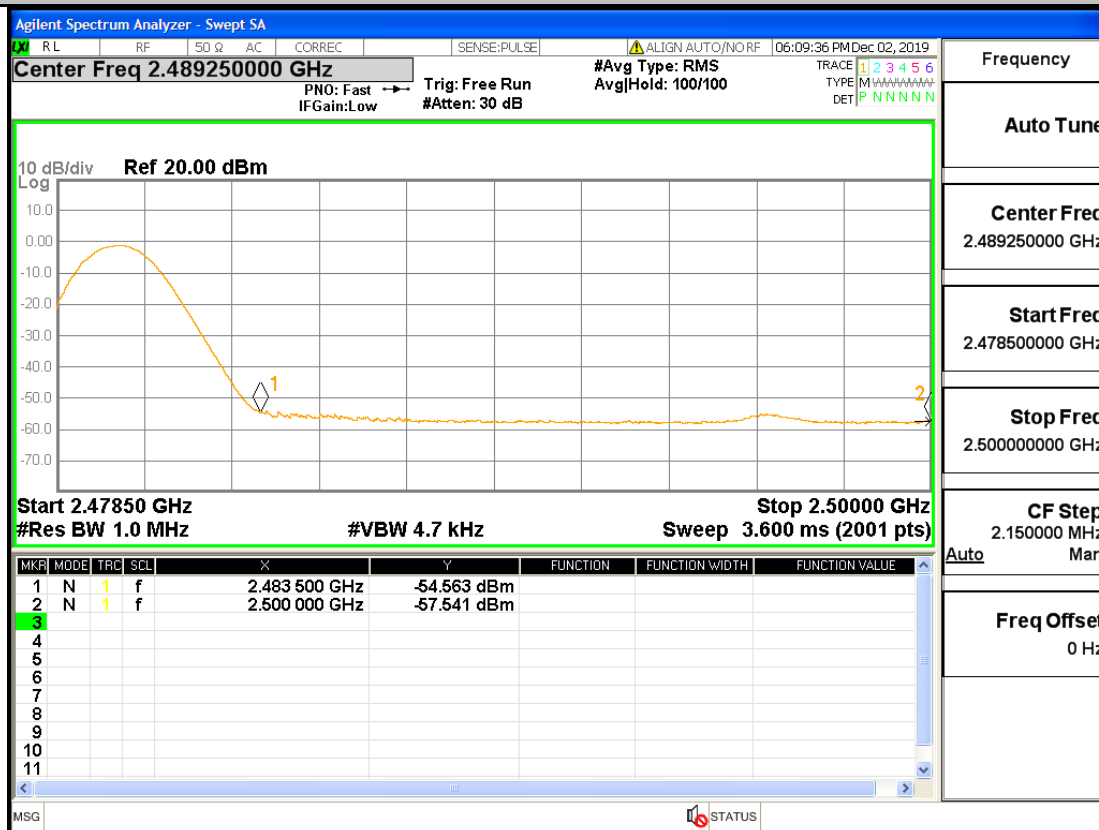
Restrict-band band-edge measurements_BLE_2402_Ant1_AV



Restrict-band band-edge measurements_BLE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BLE_2480_Ant1_AV



8.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE	2440	Ant1	70.15	PASS

