

Appendix B

RF Test Data for BT V4.2(BT LE) (Conducted Measurement)

Product Name: Mini Wireless Earphone A02

Trade Mark: Baseus

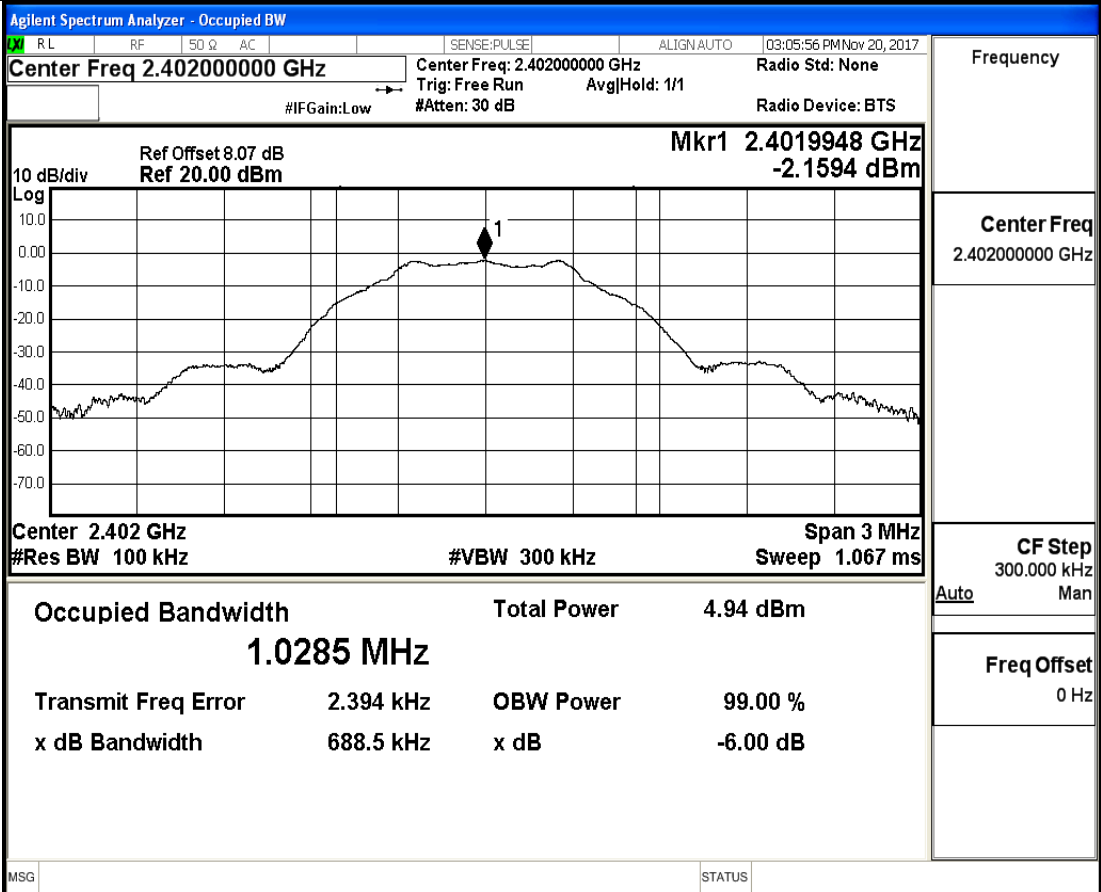
Test Model: Baseus Encok A02

FCC ID: 2AN7Y-A02

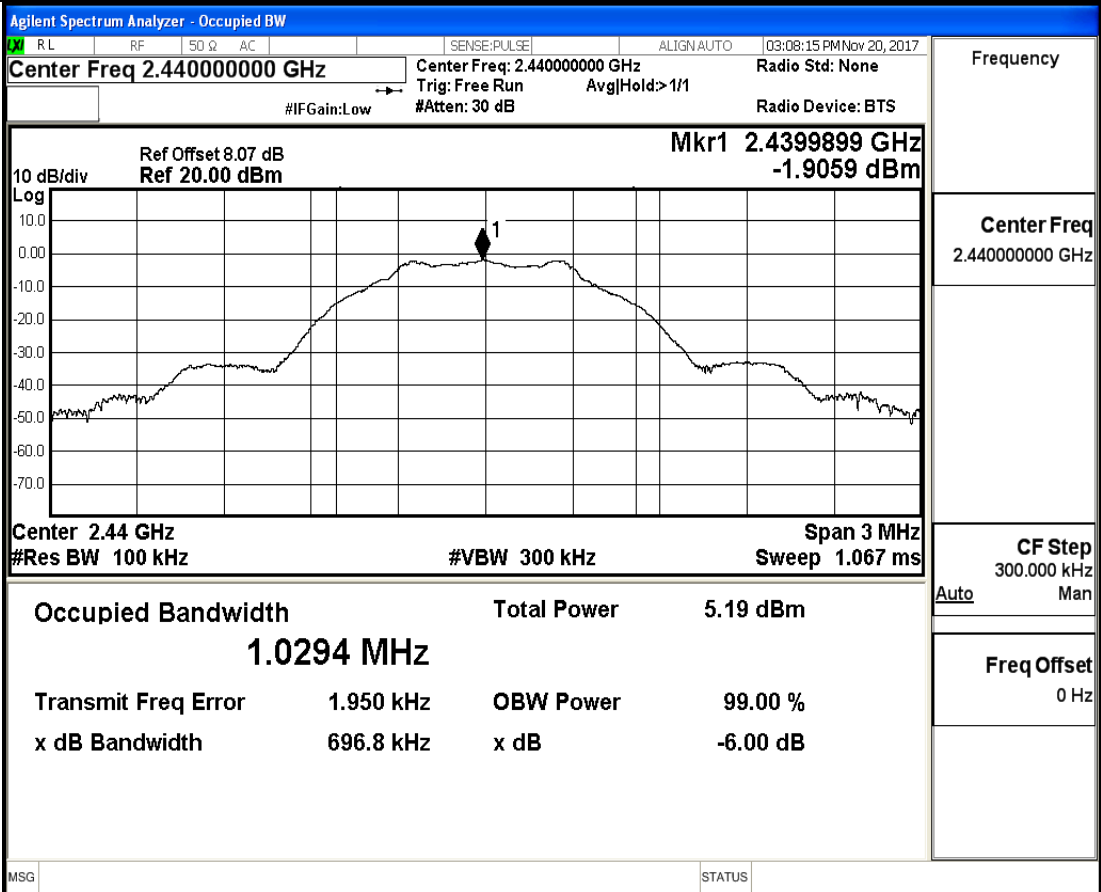
B.1 6dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit	Verdict
BT LE	2402	0.6885	0.5	PASS
BT LE	2440	0.6968	0.5	PASS
BT LE	2480	0.6879	0.5	PASS

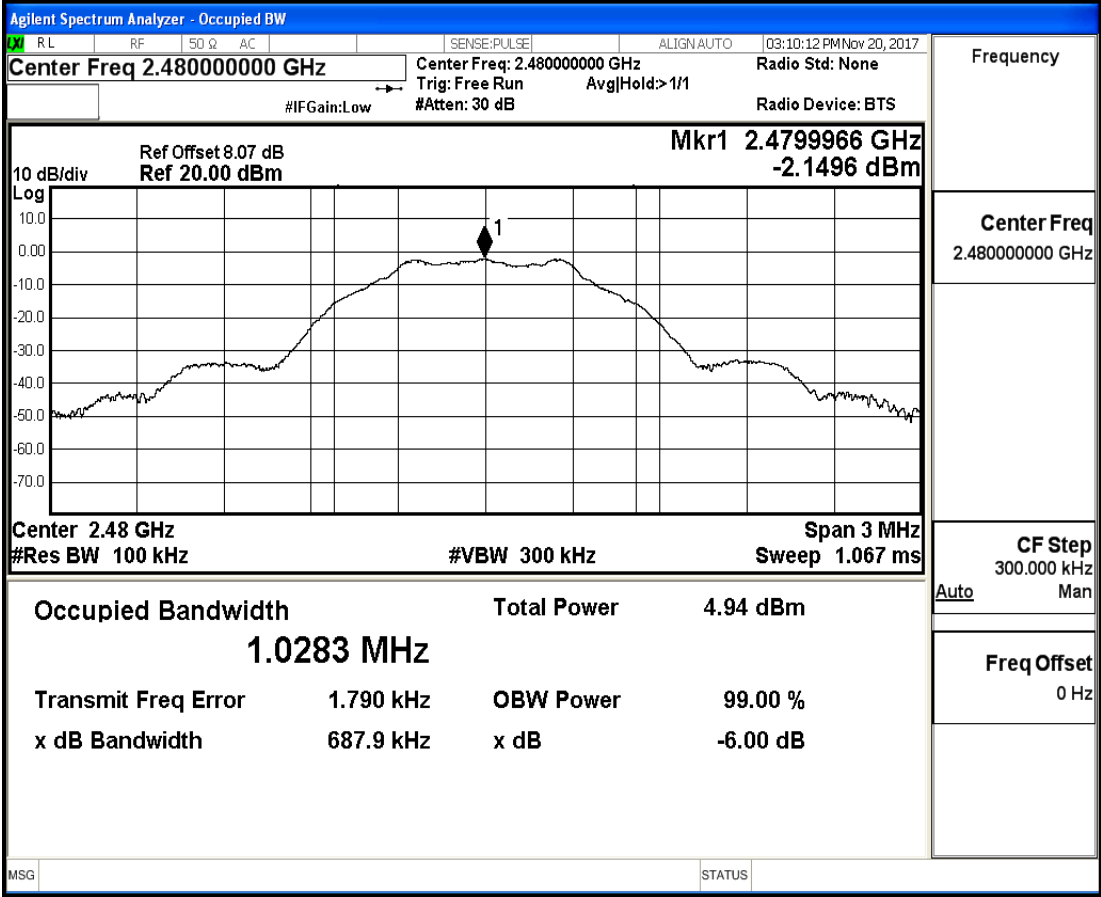
6dB Bandwidth_BT LE_2402



6dB Bandwidth_BT LE_2440



6dB Bandwidth_BT LE_2480

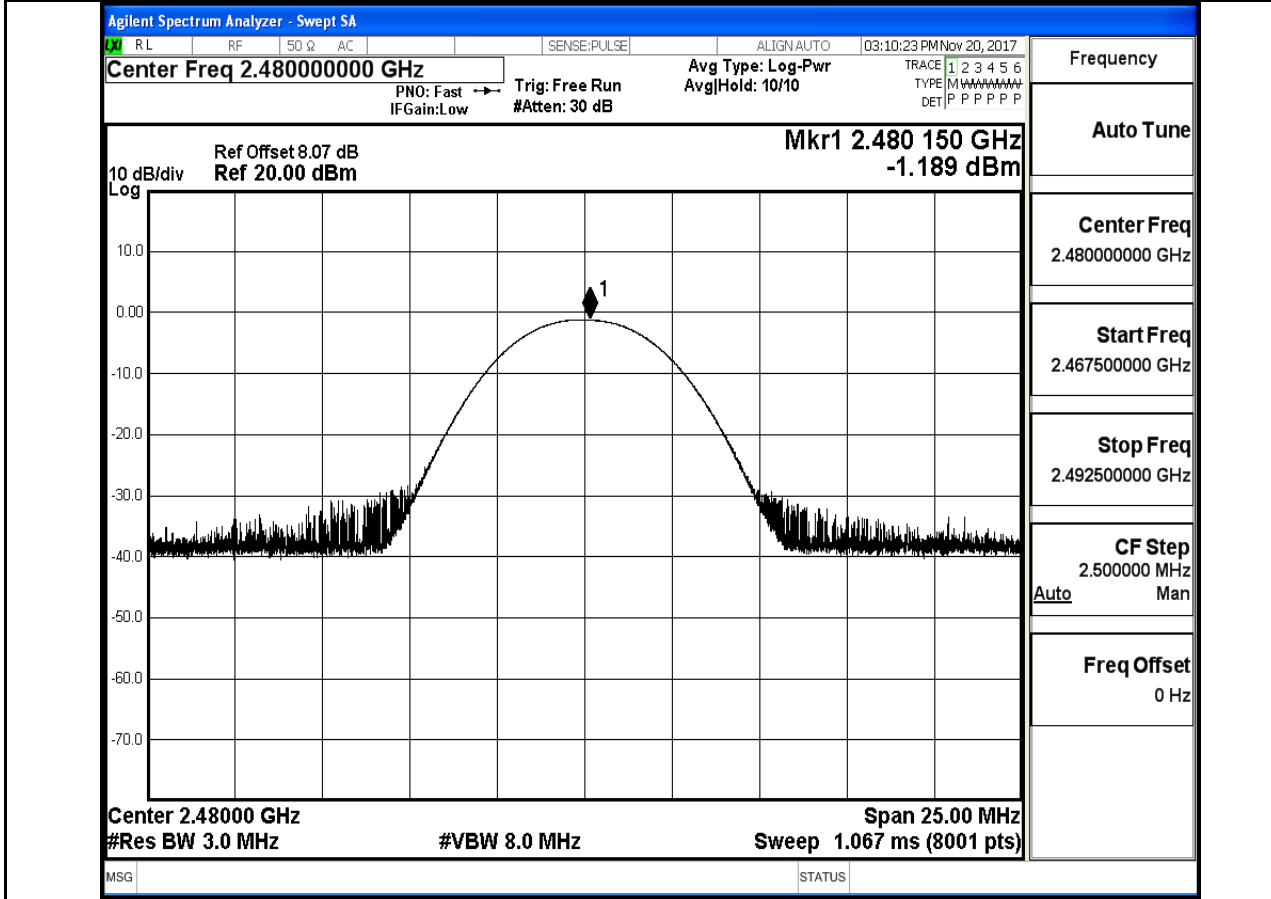


Frequency	2.48000000 GHz
Center Freq	2.48000000 GHz
CF Step	300.000 kHz
Auto Man	
Freq Offset	0 Hz

B.2 Maximum peak conducted output power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
BT LE	2402	-1.218	30	PASS
BT LE	2440	-0.957	30	PASS
BT LE	2480	-1.189	30	PASS

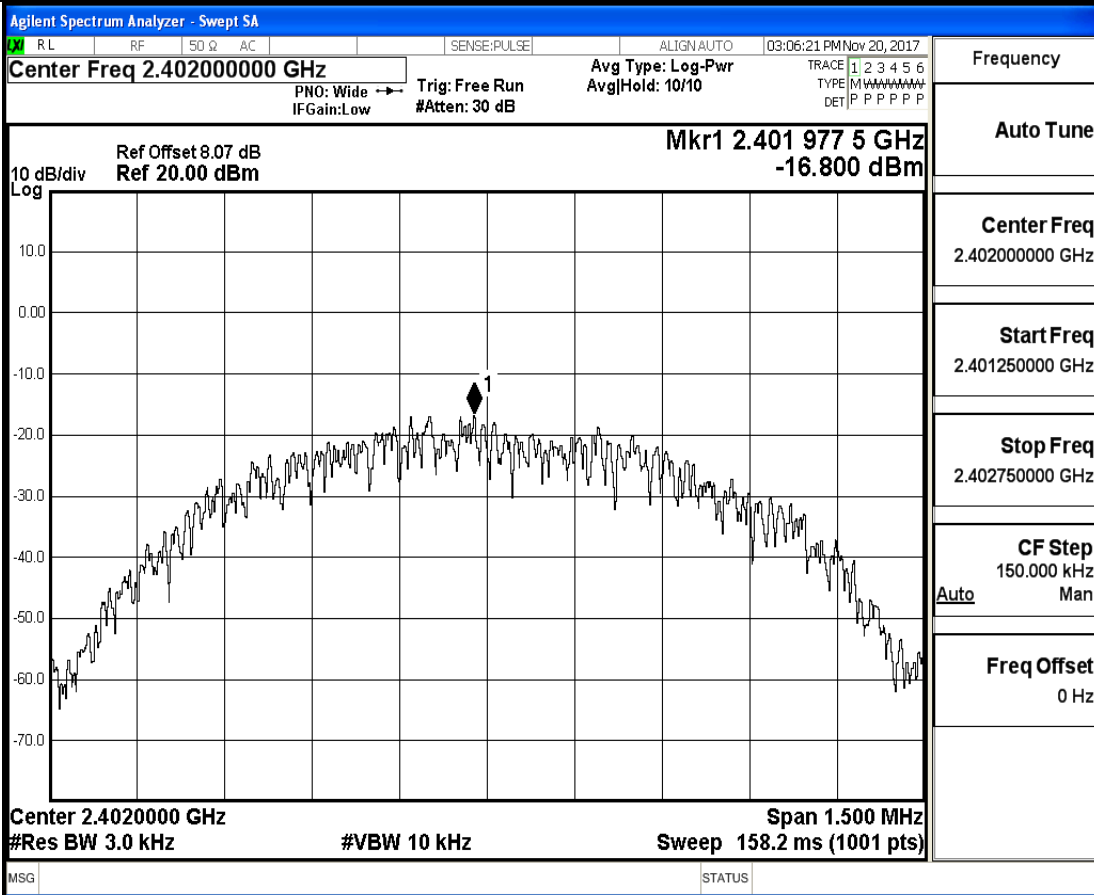
Maximum peak conducted output power_BT LE_2480



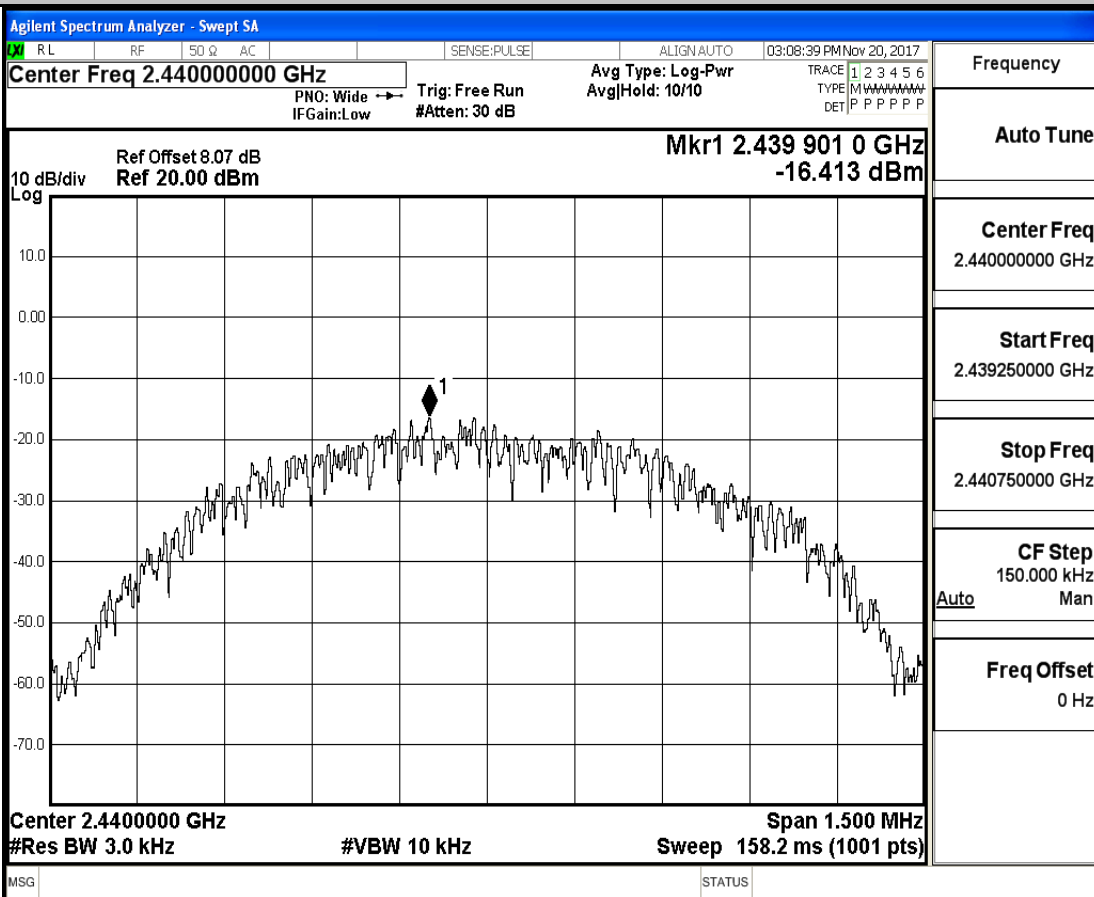
B.3 Maximum Peak power spectral density

Test Mode	Test Channel	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BT LE	2402	-16.8	8.00	PASS
BT LE	2440	-16.413	8.00	PASS
BT LE	2480	-16.713	8.00	PASS

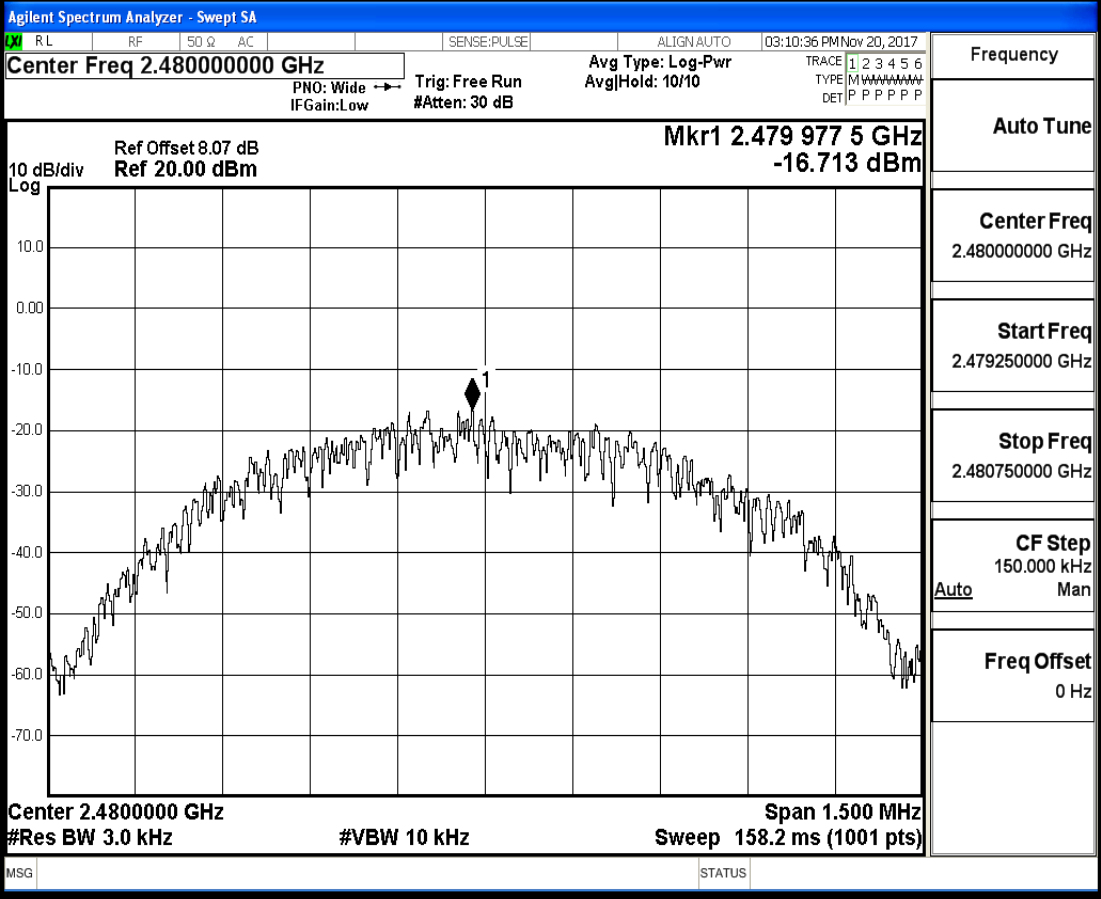
Maximum Peak power spectral density_BT LE_2402



Maximum Peak power spectral density_BT LE_2440



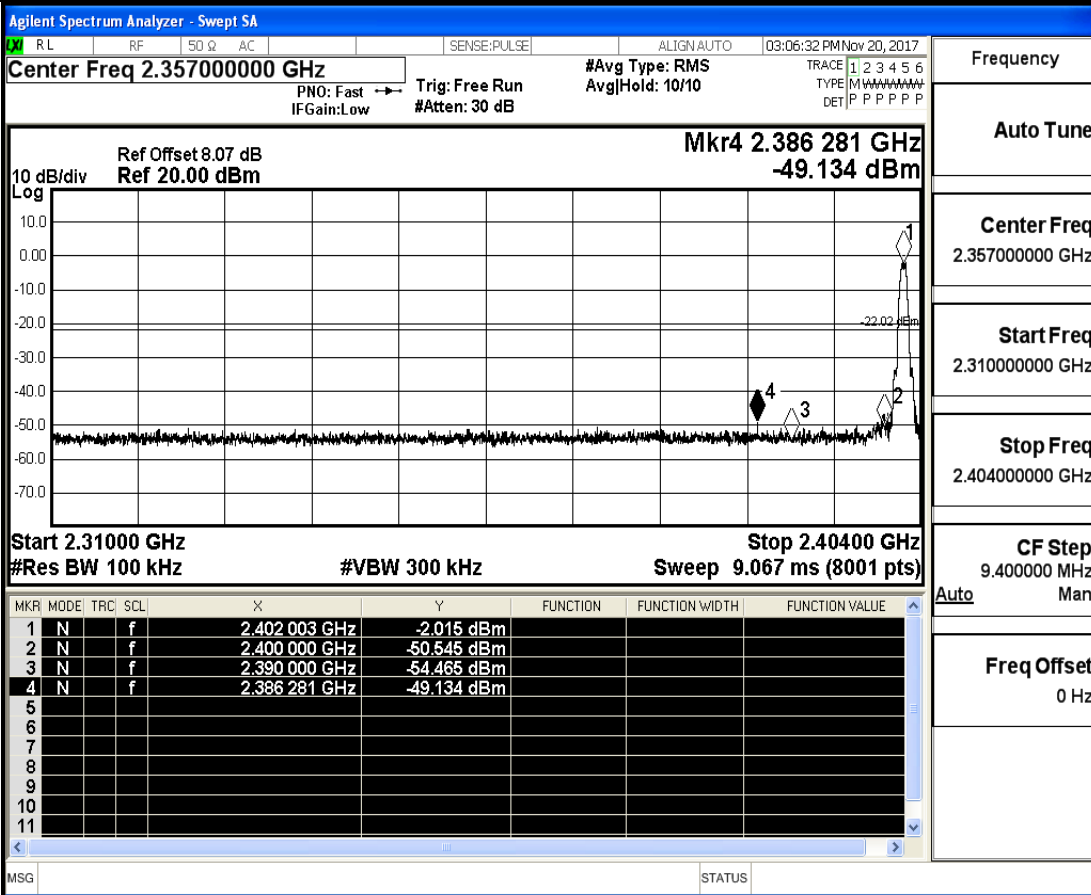
Maximum Peak power spectral density_BT LE_2480



B.4 Band-edge for RF Conducted Emissions

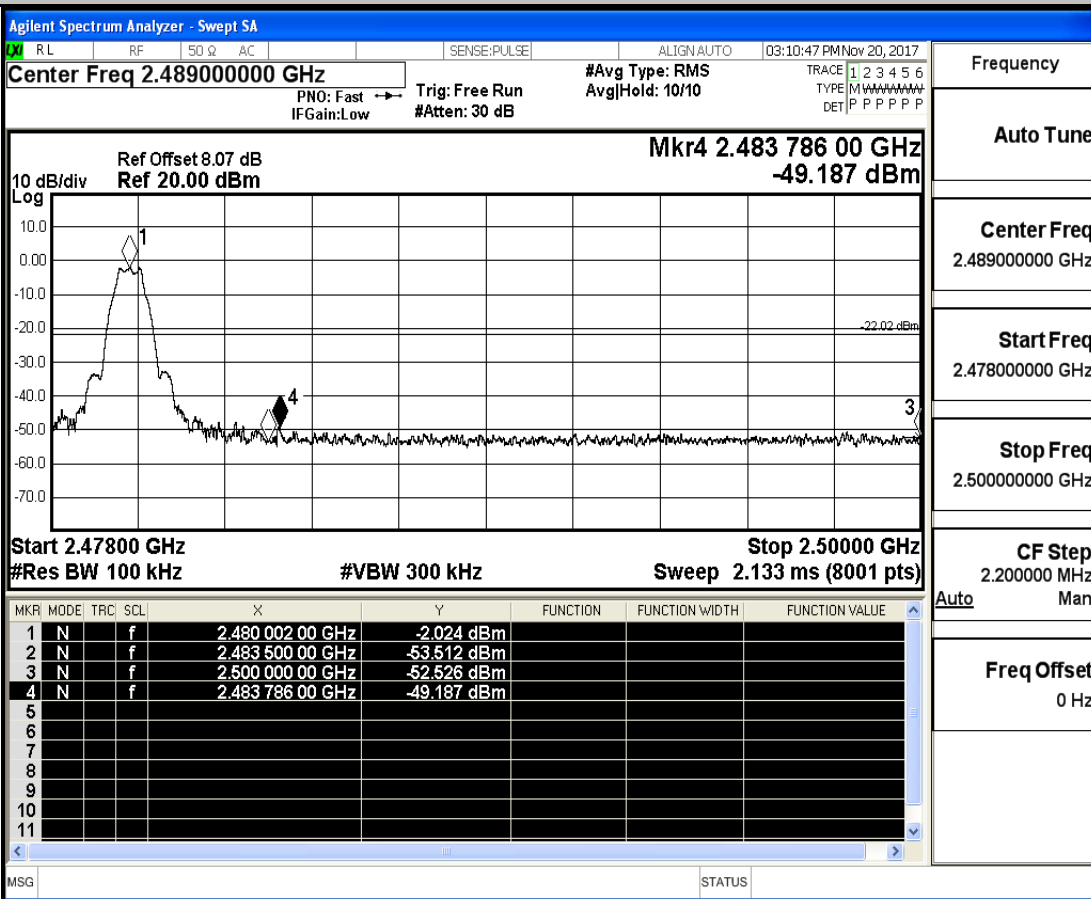
Test Mode	Test Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	2402	-2.015	-49.134	-22.02	PASS
BT LE	2480	-2.024	-49.187	-22.02	PASS

Band-edge for RF Conducted Emissions_BT LE_2402



Frequency
Auto Tune
Center Freq 2.357000000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.404000000 GHz
CF Step 9.400000 MHz
Freq Offset 0 Hz

Band-edge for RF Conducted Emissions_BT LE_2480

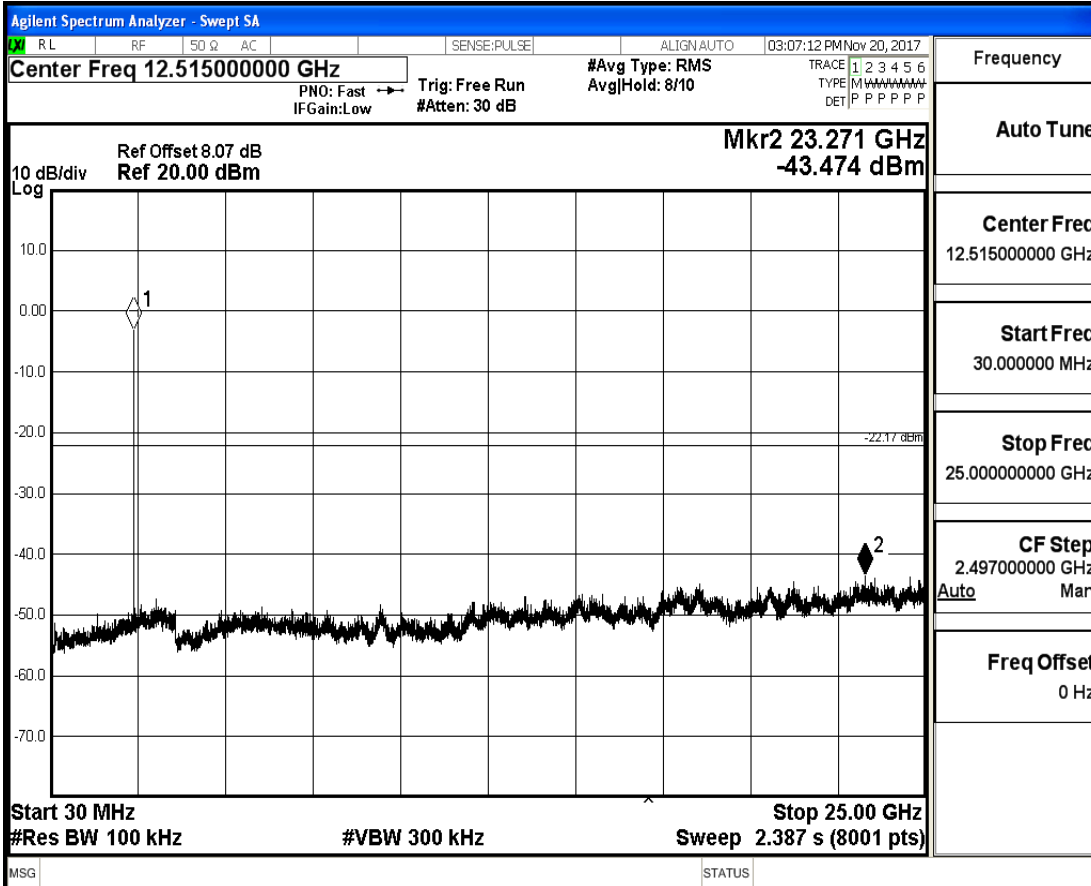
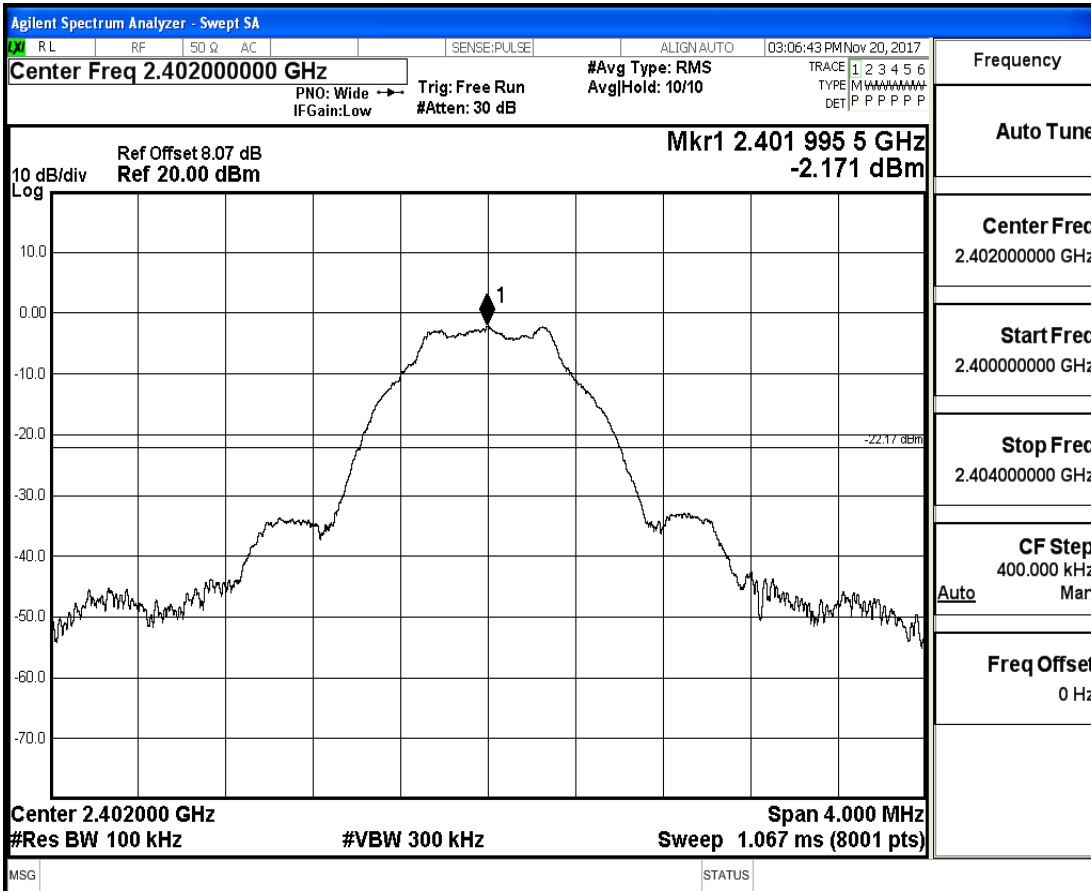


Frequency
Auto Tune
Center Freq 2.489000000 GHz
Start Freq 2.478000000 GHz
Stop Freq 2.500000000 GHz
CF Step 2.200000 MHz
Freq Offset 0 Hz

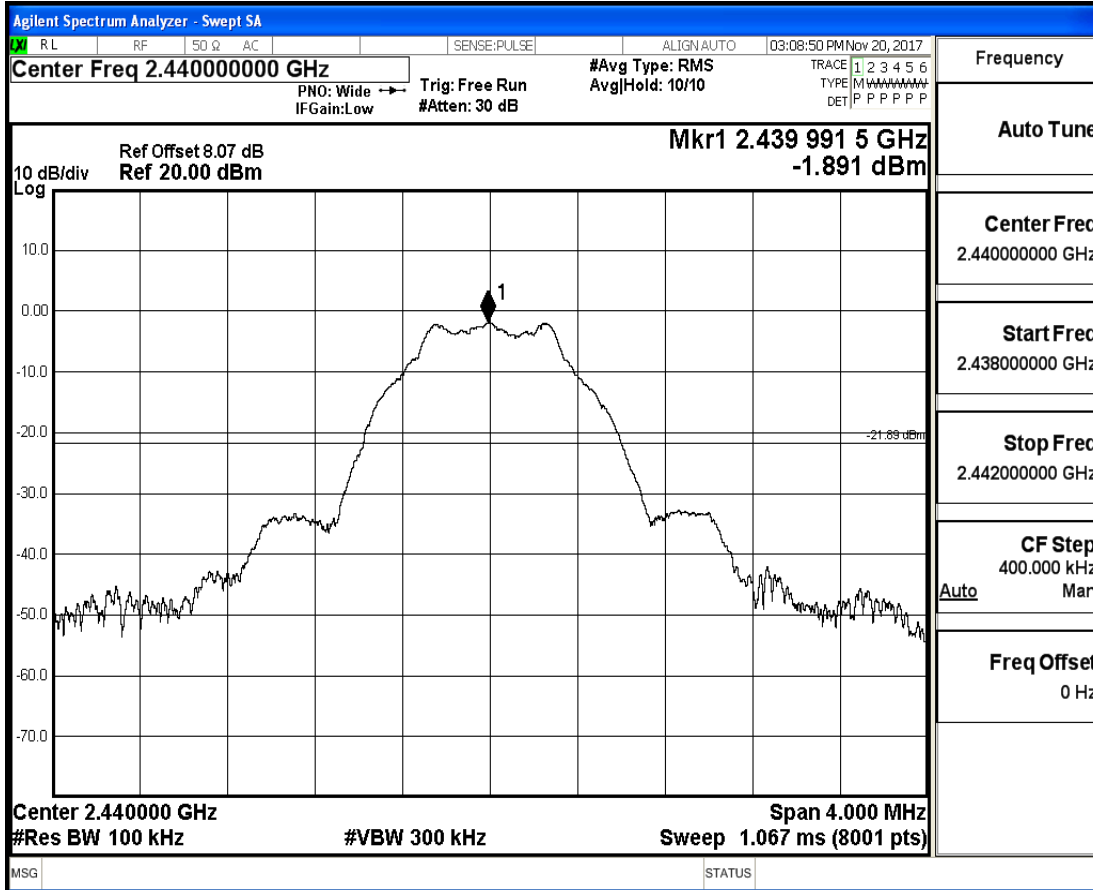
B.5 RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	2402	30	25000	100	300	-2.171	-43.474	<- 22.171	PASS
BT LE	2440	30	25000	100	300	-1.891	-44.169	<- 21.891	PASS
BT LE	2480	30	25000	100	300	-2.172	-43.665	<- 22.172	PASS

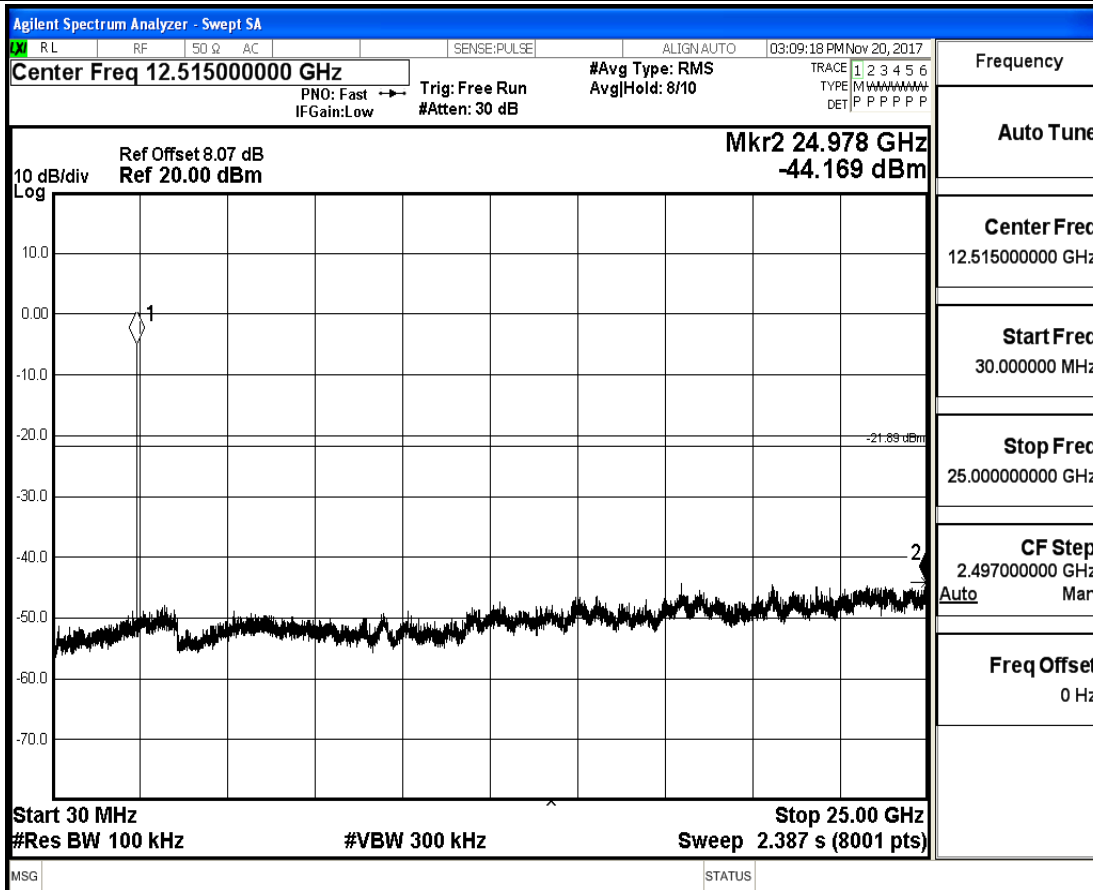
RF Conducted Spurious Emissions_BT LE_2402



RF Conducted Spurious Emissions_BT LE_2440

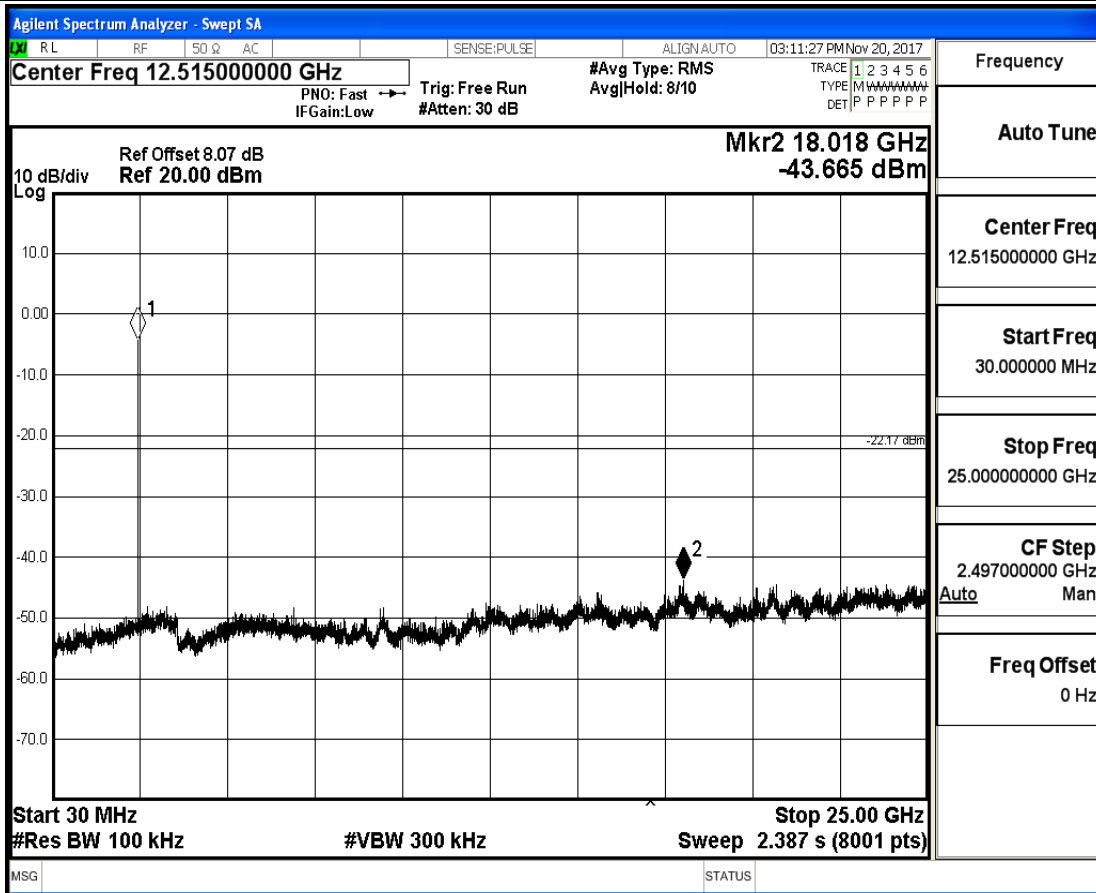
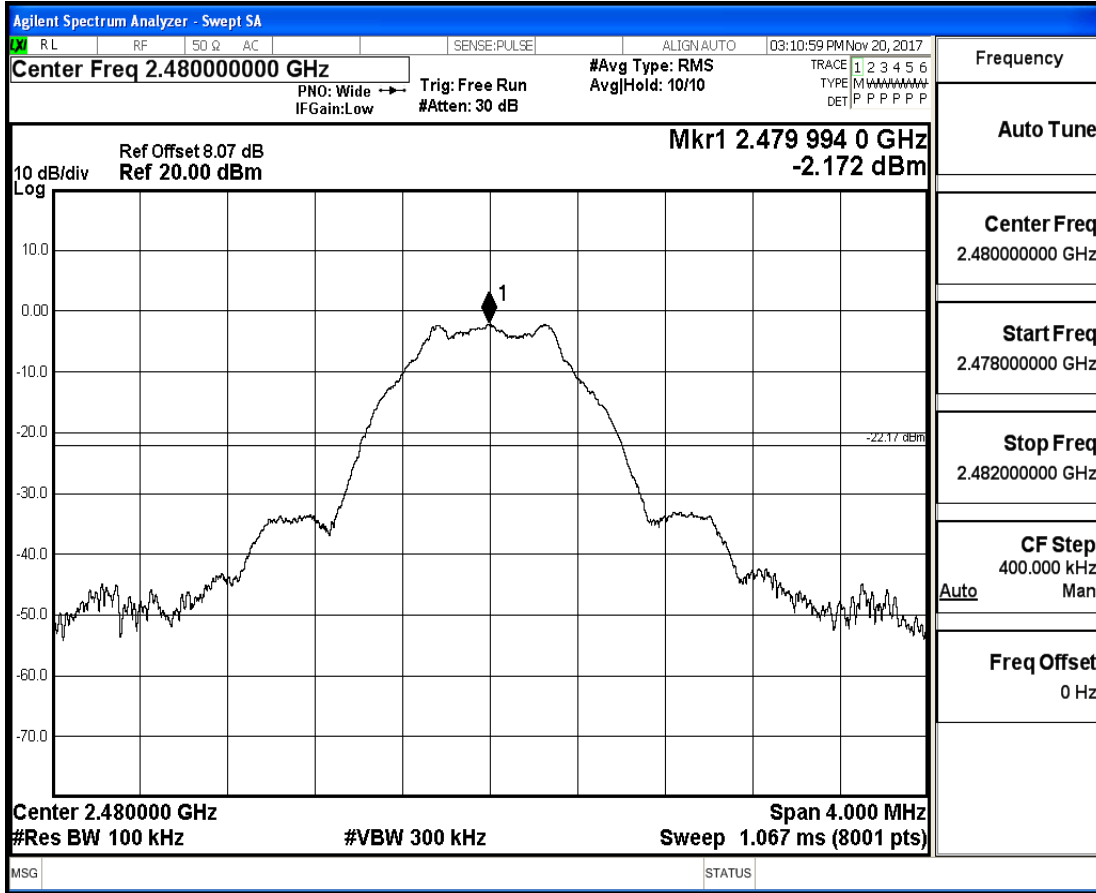


Frequency
Auto Tune
Center Freq 2.440000000 GHz
Start Freq 2.438000000 GHz
Stop Freq 2.442000000 GHz
CF Step 400.000 kHz Auto Man
Freq Offset 0 Hz



Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

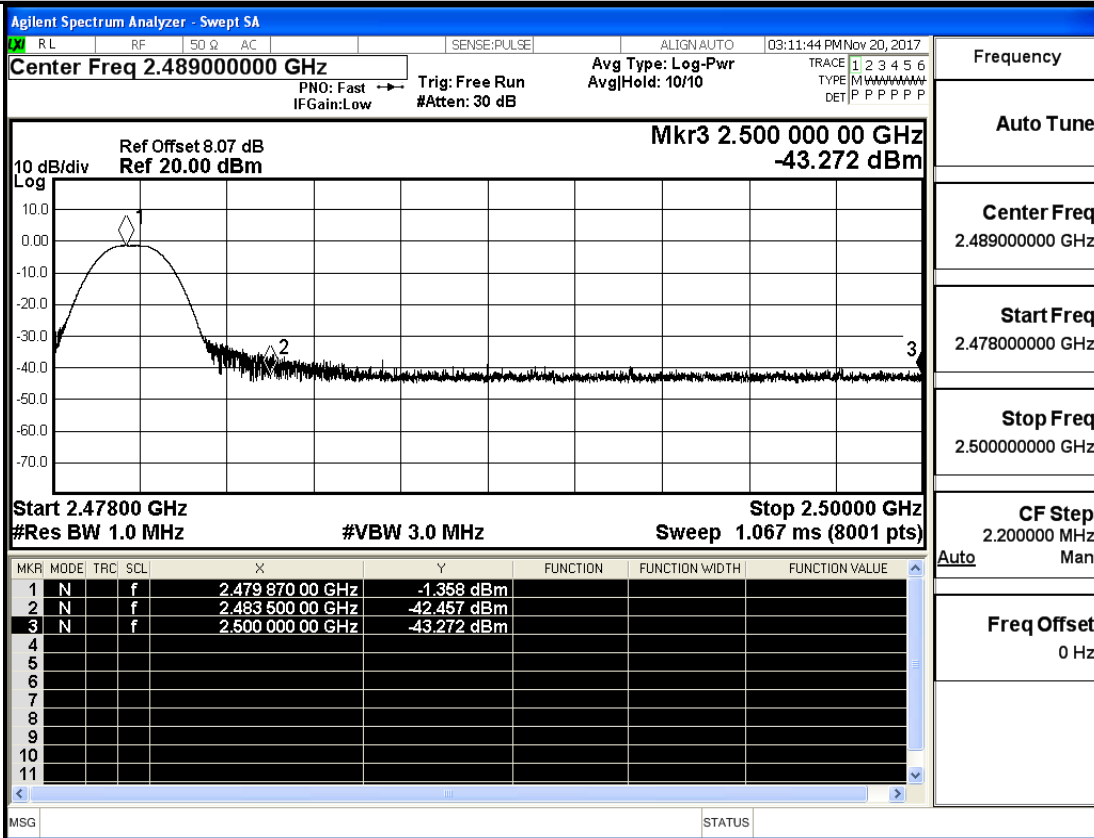
RF Conducted Spurious Emissions_BT LE_2480



B.6 Restrict-band band-edge measurements

Test Mode	Test Channel	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	2310.0	-44.01	0.5	0	53.25	PEAK	74	PASS
BT LE	2402	2310.0	-54.05	0.5	0	43.21	AV	54	PASS
BT LE	2402	2390.0	-43.83	0.5	0	53.43	PEAK	74	PASS
BT LE	2402	2390.0	-53.83	0.5	0	43.43	AV	54	PASS
BT LE	2480	2483.5	-42.46	0.5	0	54.80	PEAK	74	PASS
BT LE	2480	2483.5	-53.54	0.5	0	43.72	AV	54	PASS
BT LE	2480	2500.0	-43.27	0.5	0	53.99	PEAK	74	PASS
BT LE	2480	2500.0	-53.45	0.5	0	43.81	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2480_PEAK



Restrict-band band-edge measurements_BT LE_2480_AV

