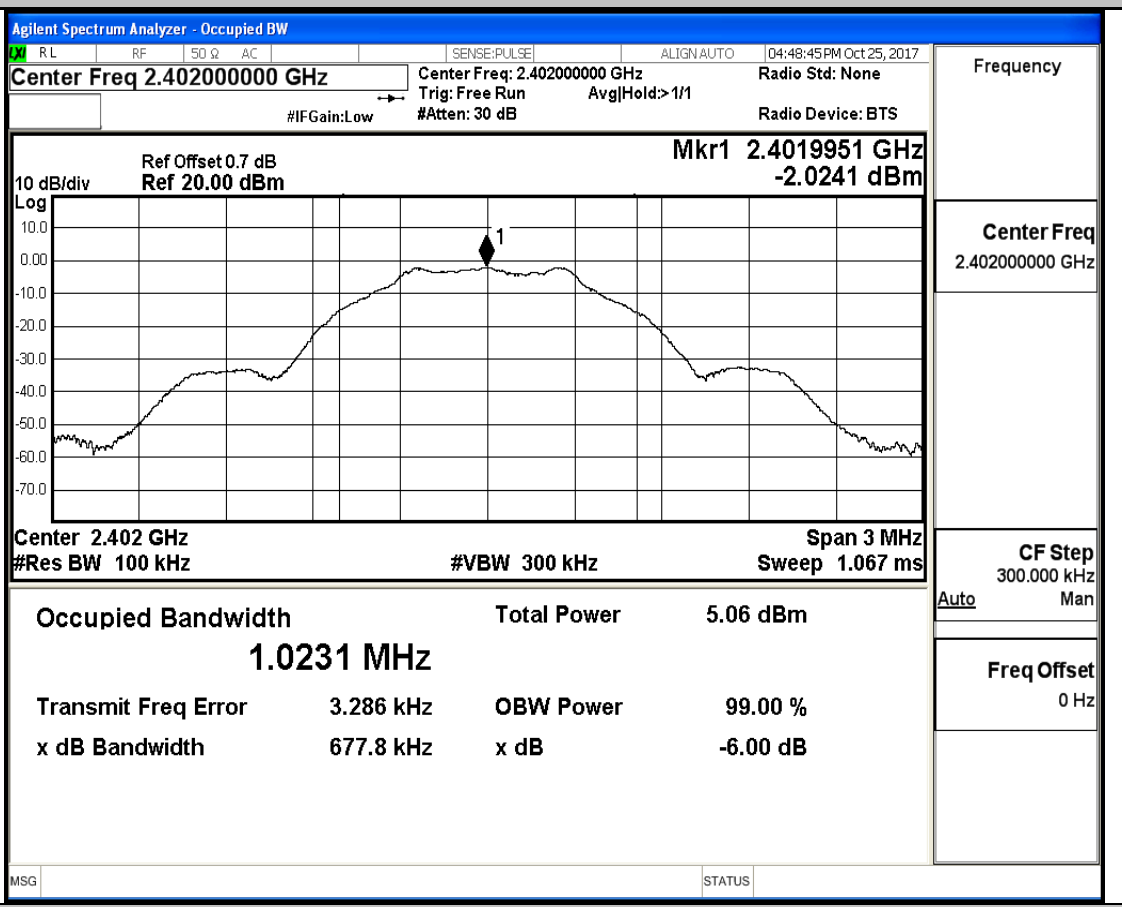
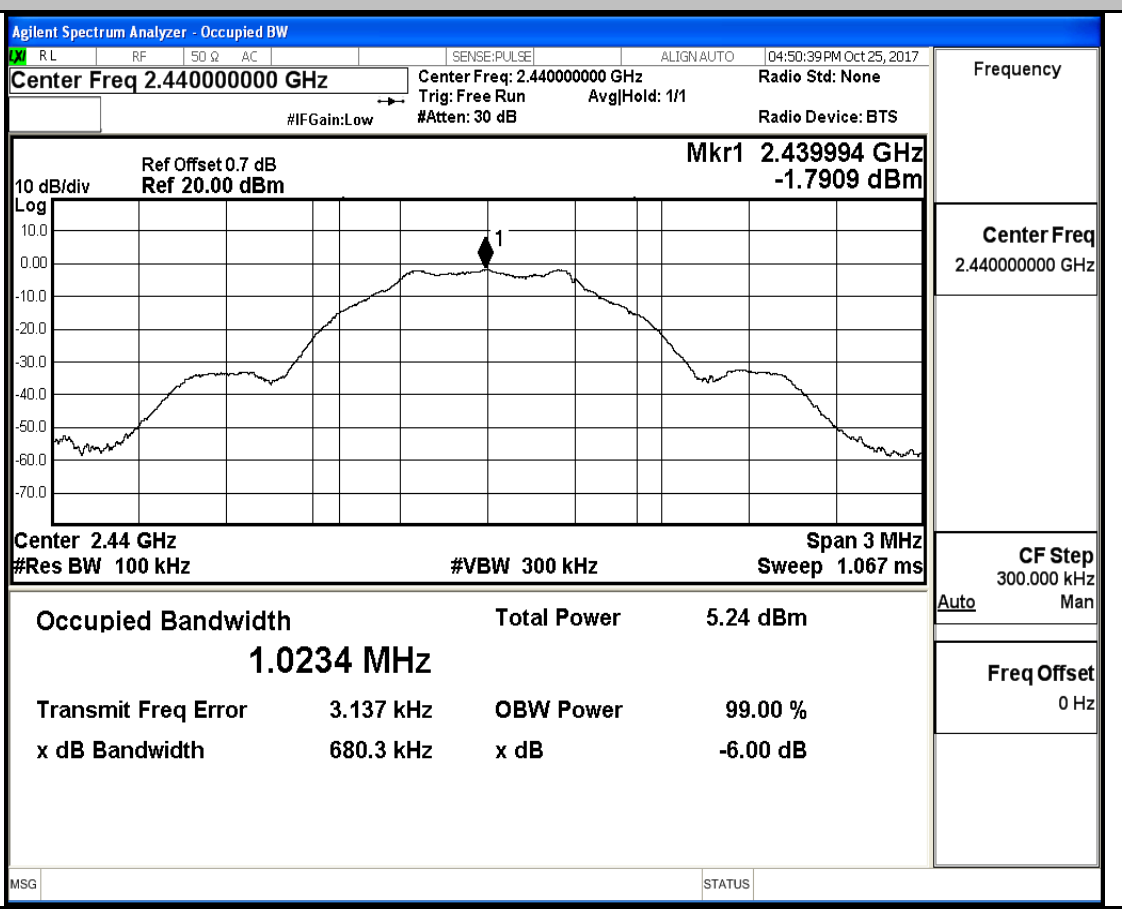
1.6 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
BLE	2402	0.6778	0.5	PASS
BLE	2440	0.6803	0.5	PASS
BLE	2480	0.6743	0.5	PASS

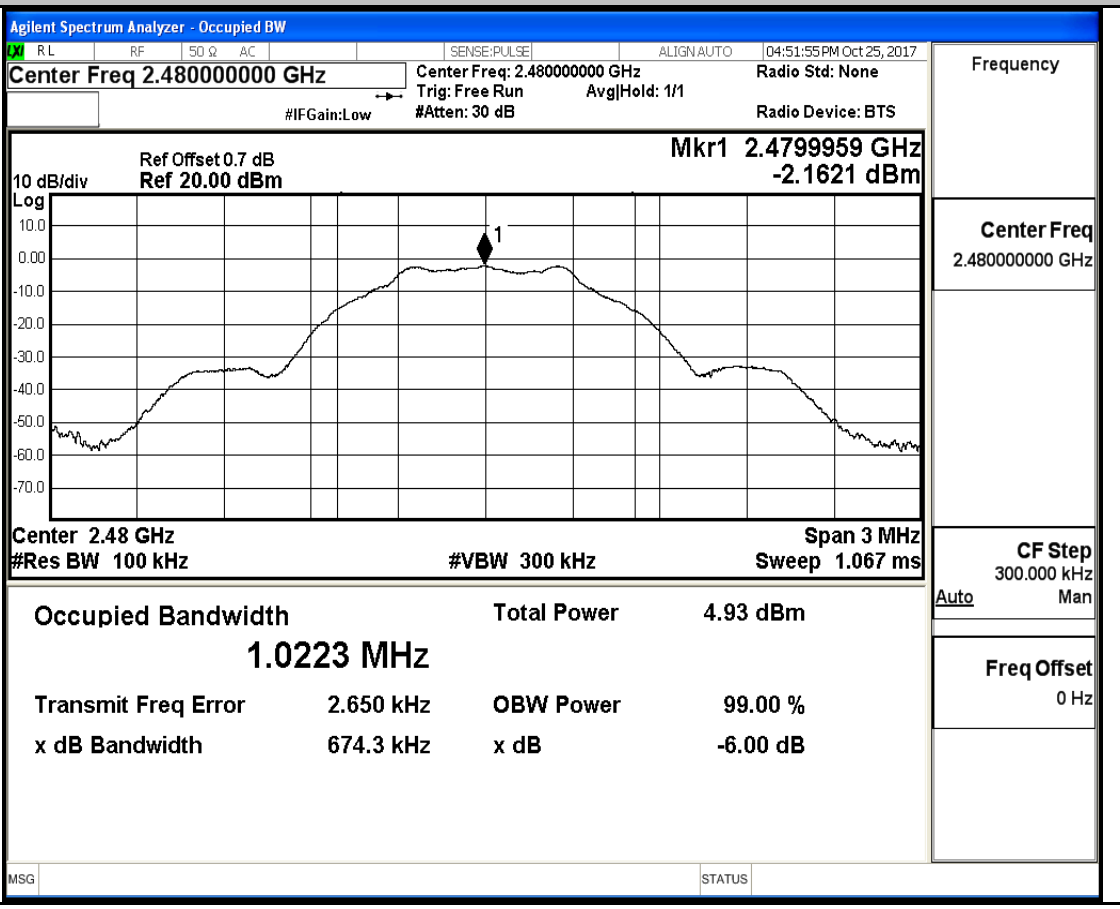
6 dB Bandwidth_BLE_2402



6 dB Bandwidth_BLE_2440



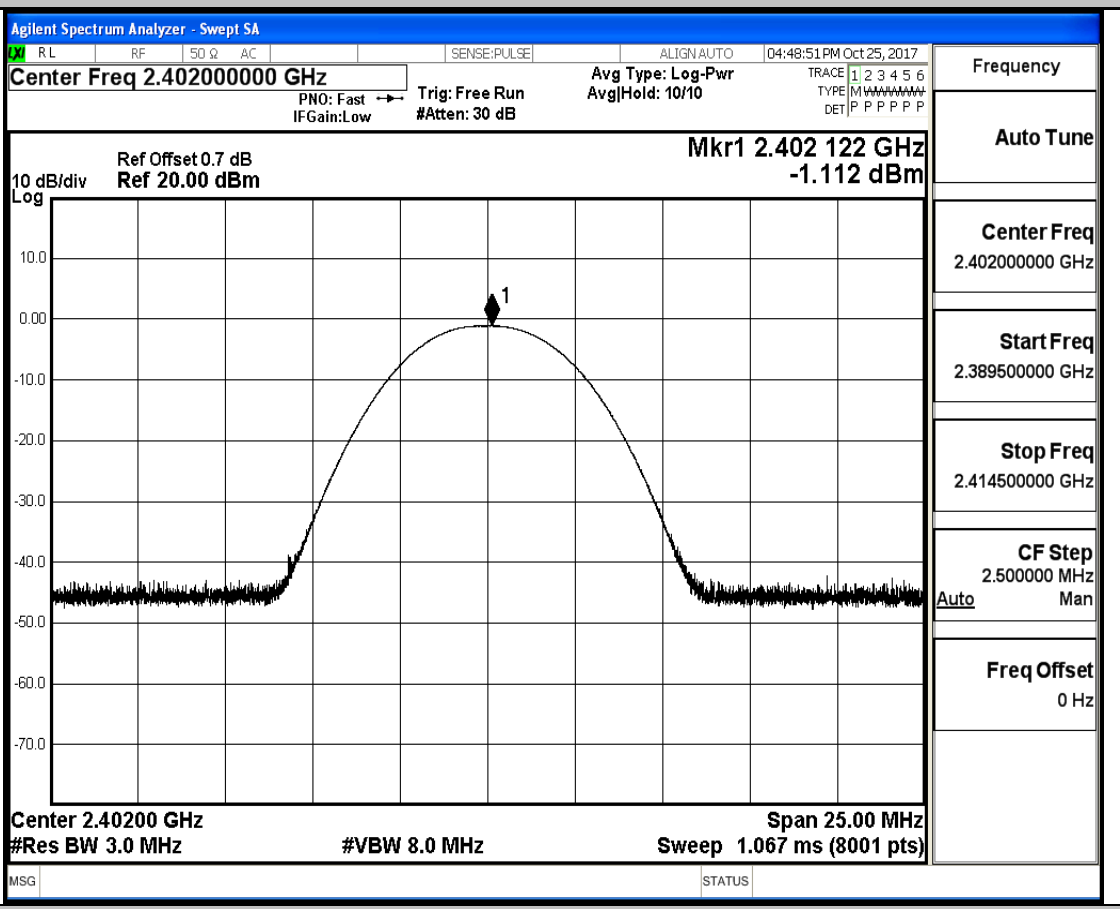
6 dB Bandwidth_BLE_2480



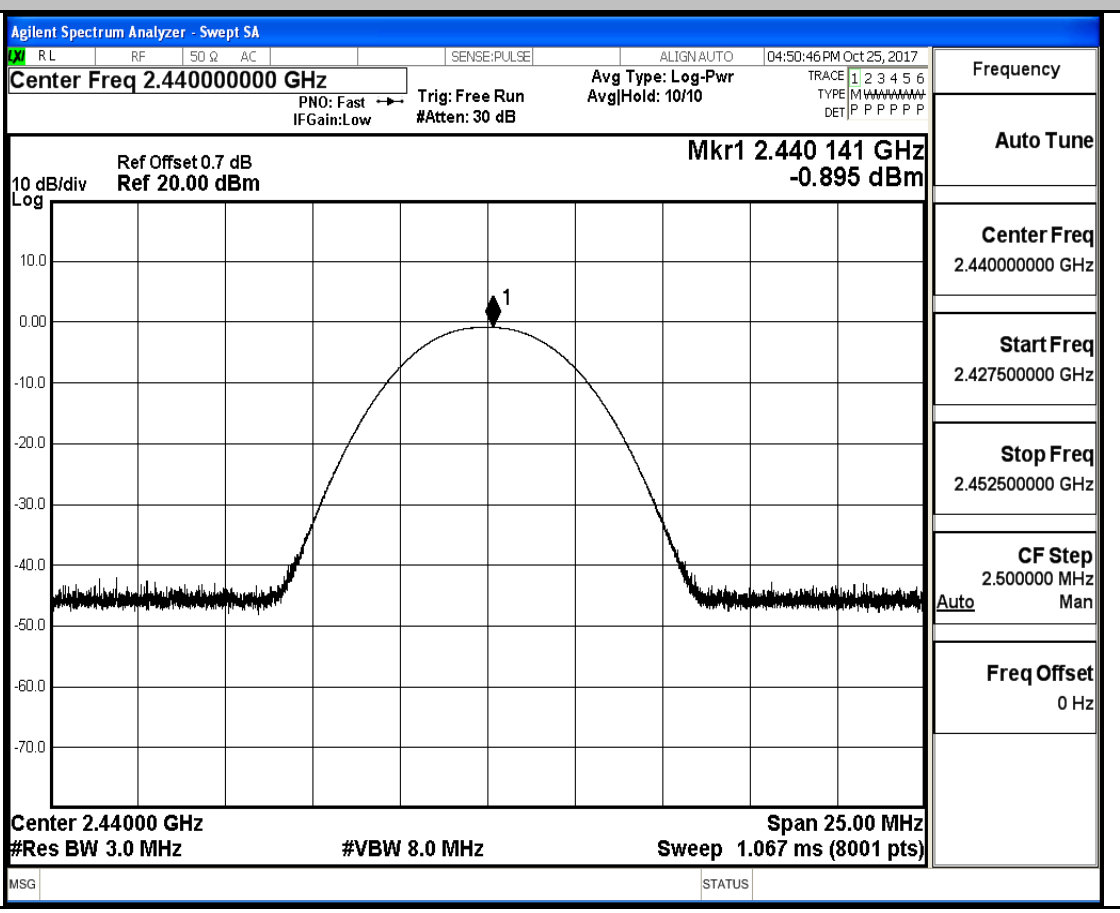
2.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	-1.112	30	PASS
BLE	2440	-0.895	30	PASS
BLE	2480	-1.257	30	PASS

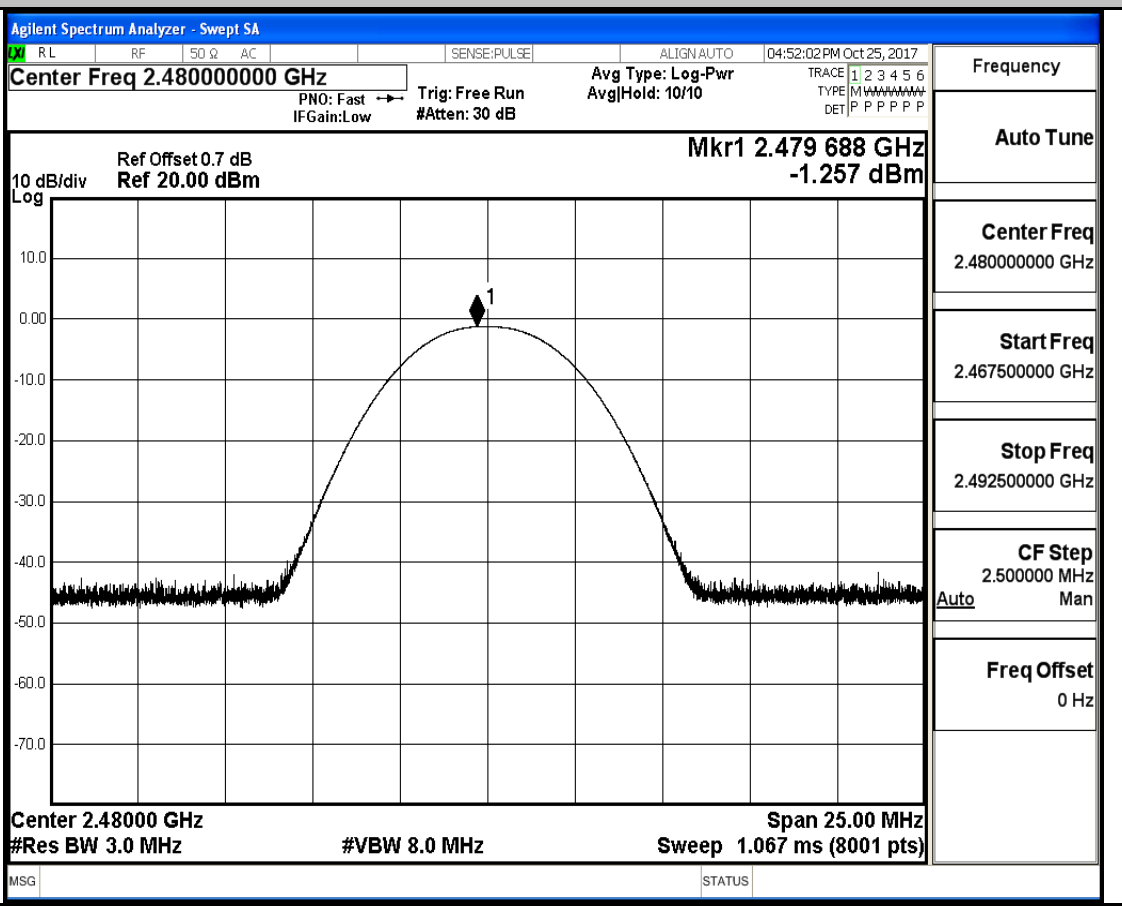
Conducted Peak Output Power_BLE_2402



Conducted Peak Output Power_BLE_2440



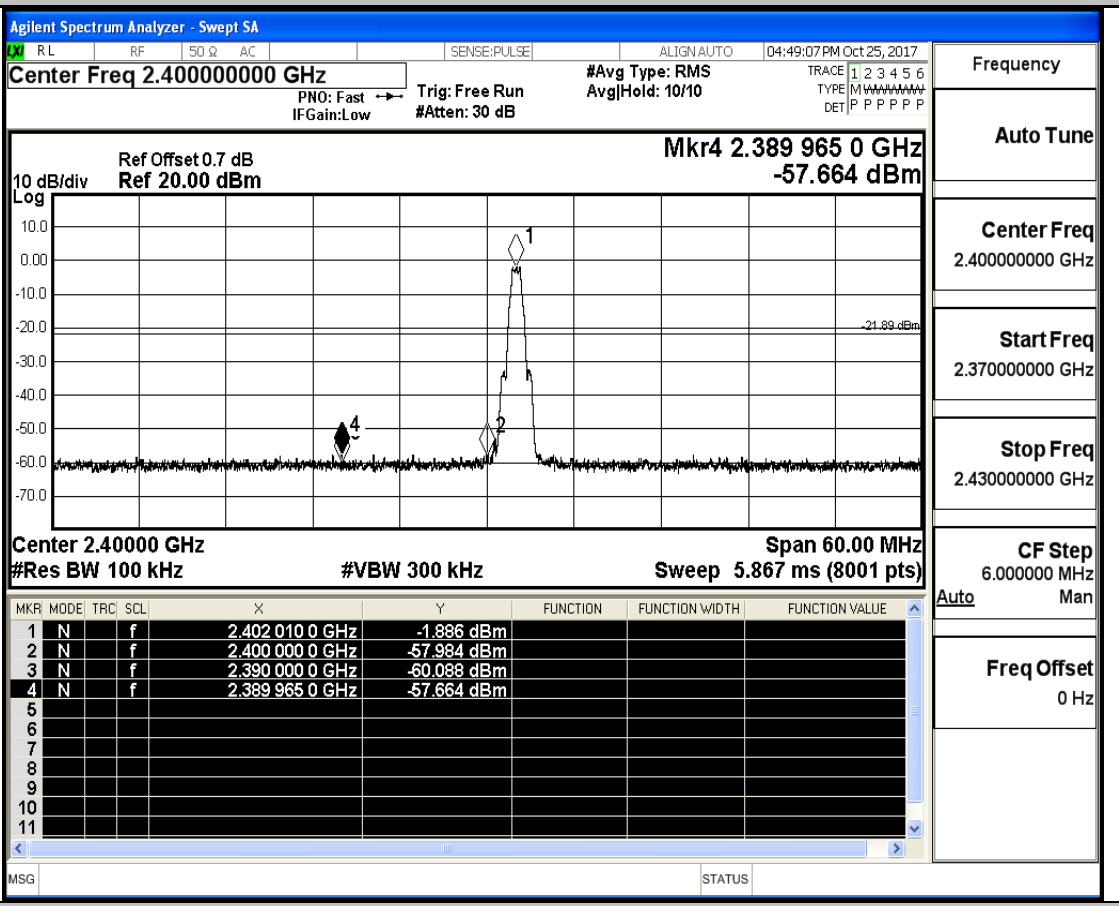
Conducted Peak Output Power_BLE_2480



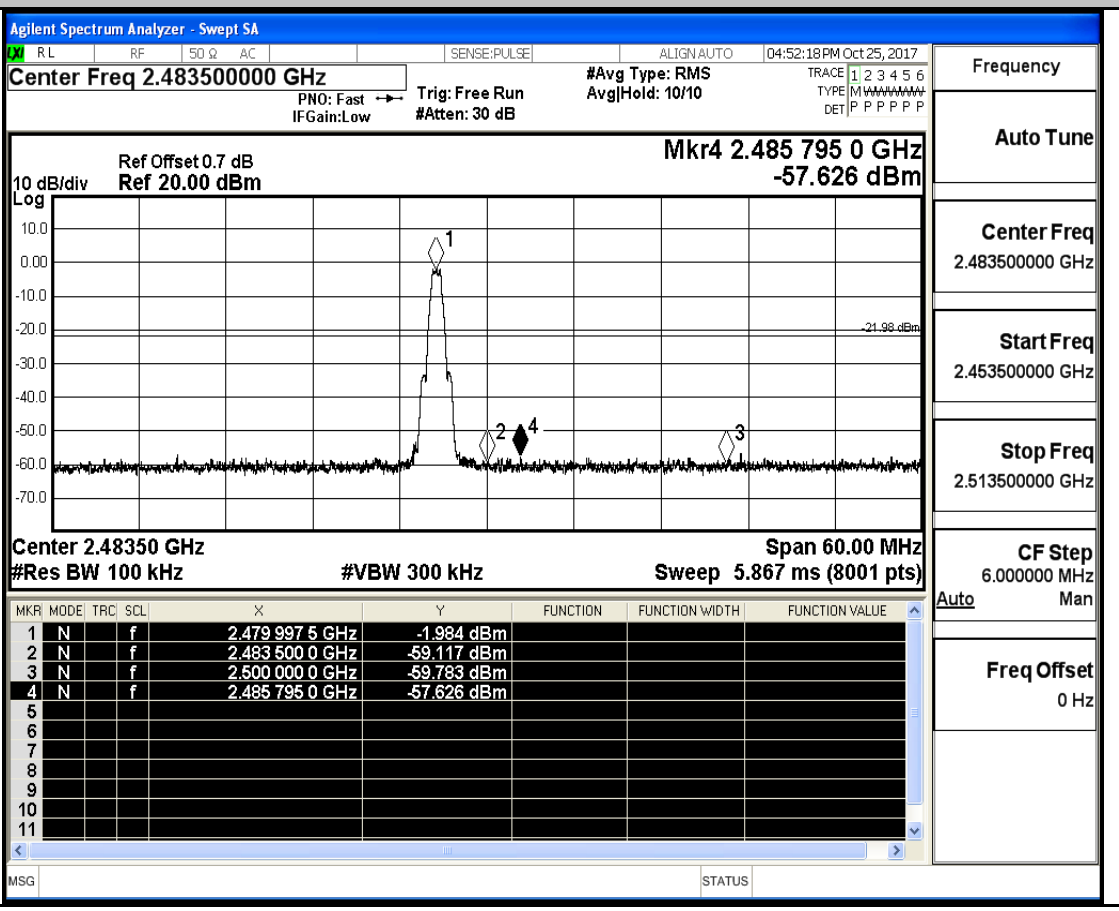
3.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
BLE	2402	Off	-1.886	-57.664	-21.89	PASS
BLE	2480	Off	-1.984	-57.626	-21.98	PASS

Band-edge for RF Conducted Emissions_BLE_2402_Hopping Off



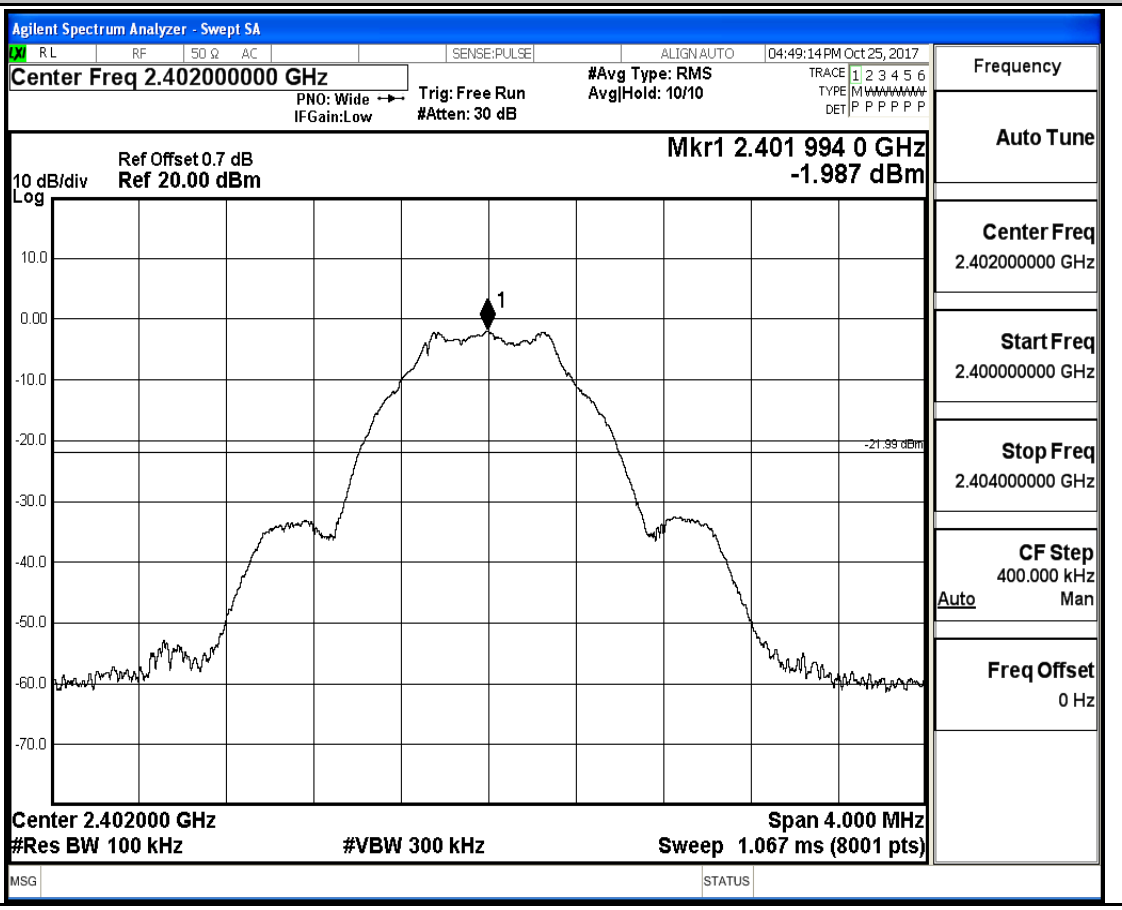
Band-edge for RF Conducted Emissions_BLE_2480_Hopping Off

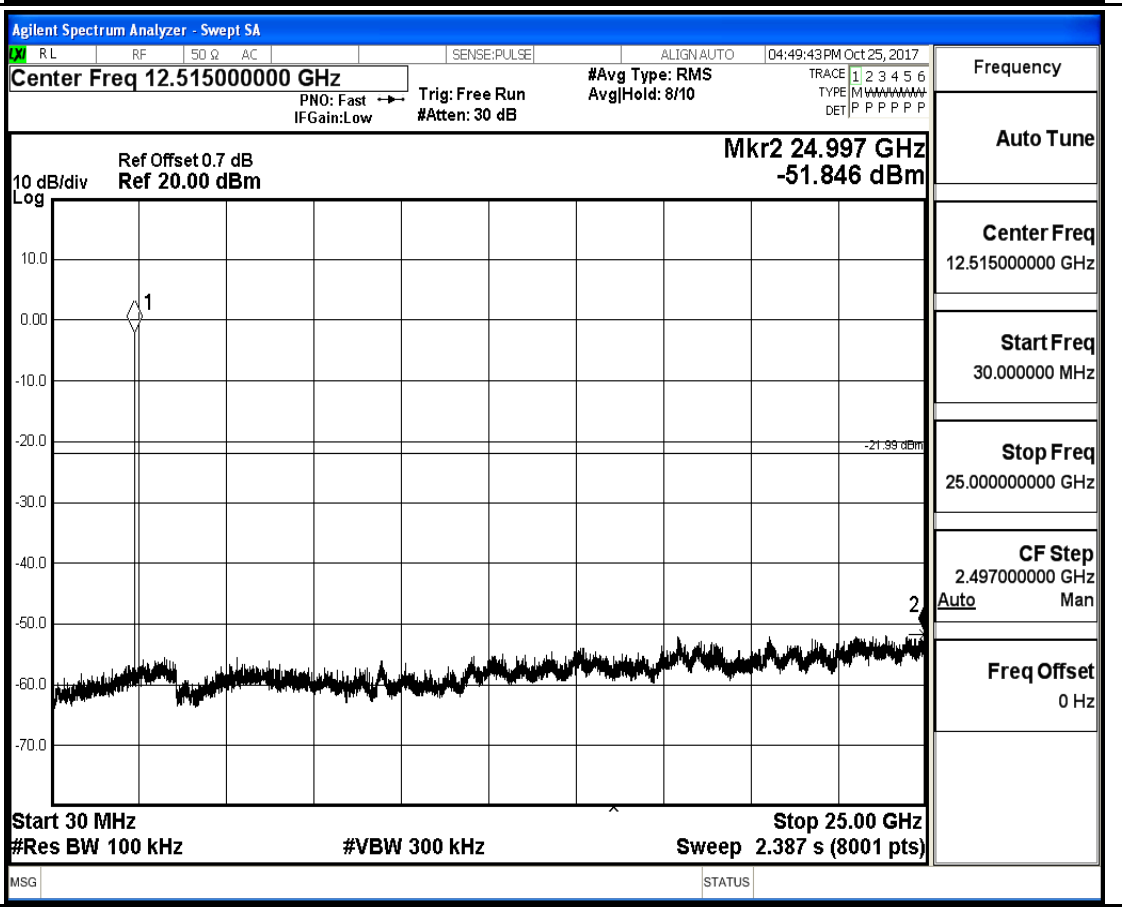


4.RF Conducted Spurious Emissions

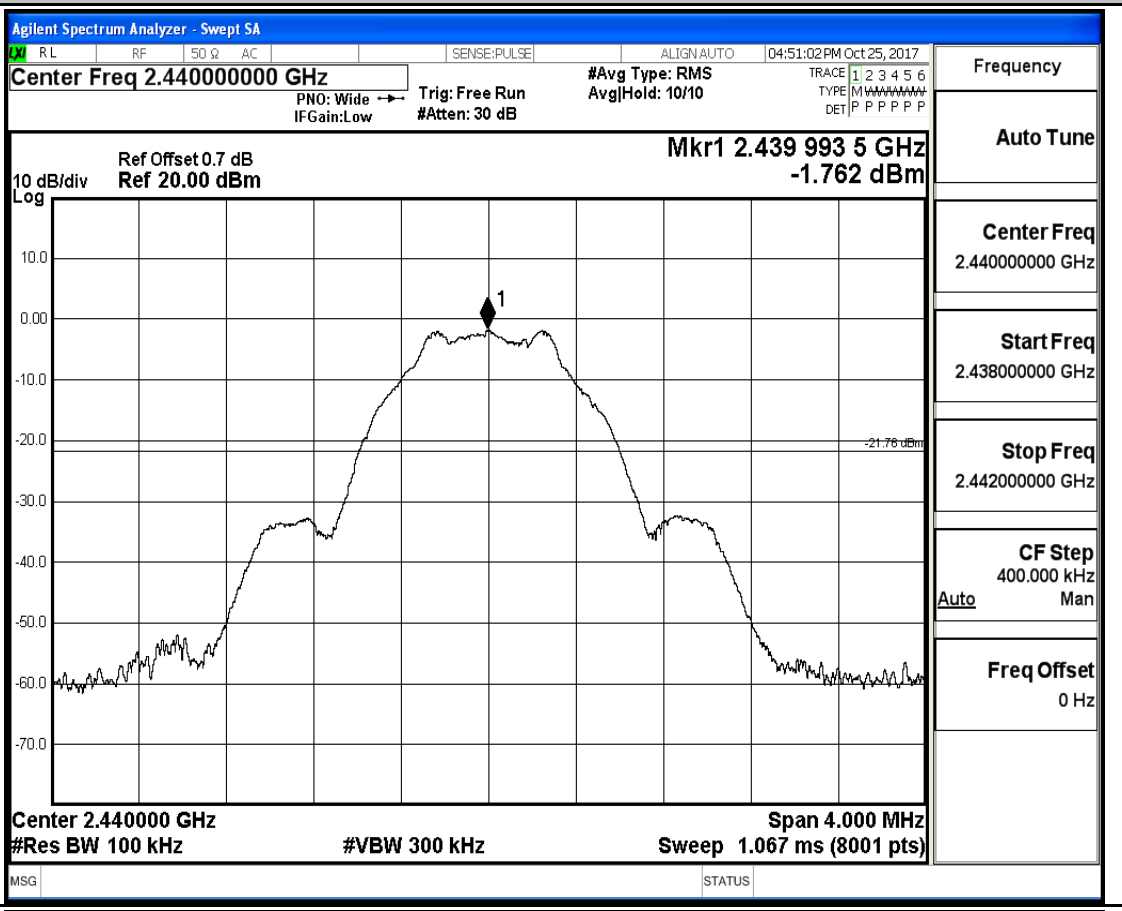
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE	2402	30	25000	100	300	-1.987	-51.846	<-21.987	PASS
BLE	2440	30	25000	100	300	-1.762	-51.079	<-21.762	PASS
BLE	2480	30	25000	100	300	-2.167	-51.556	<-22.167	PASS

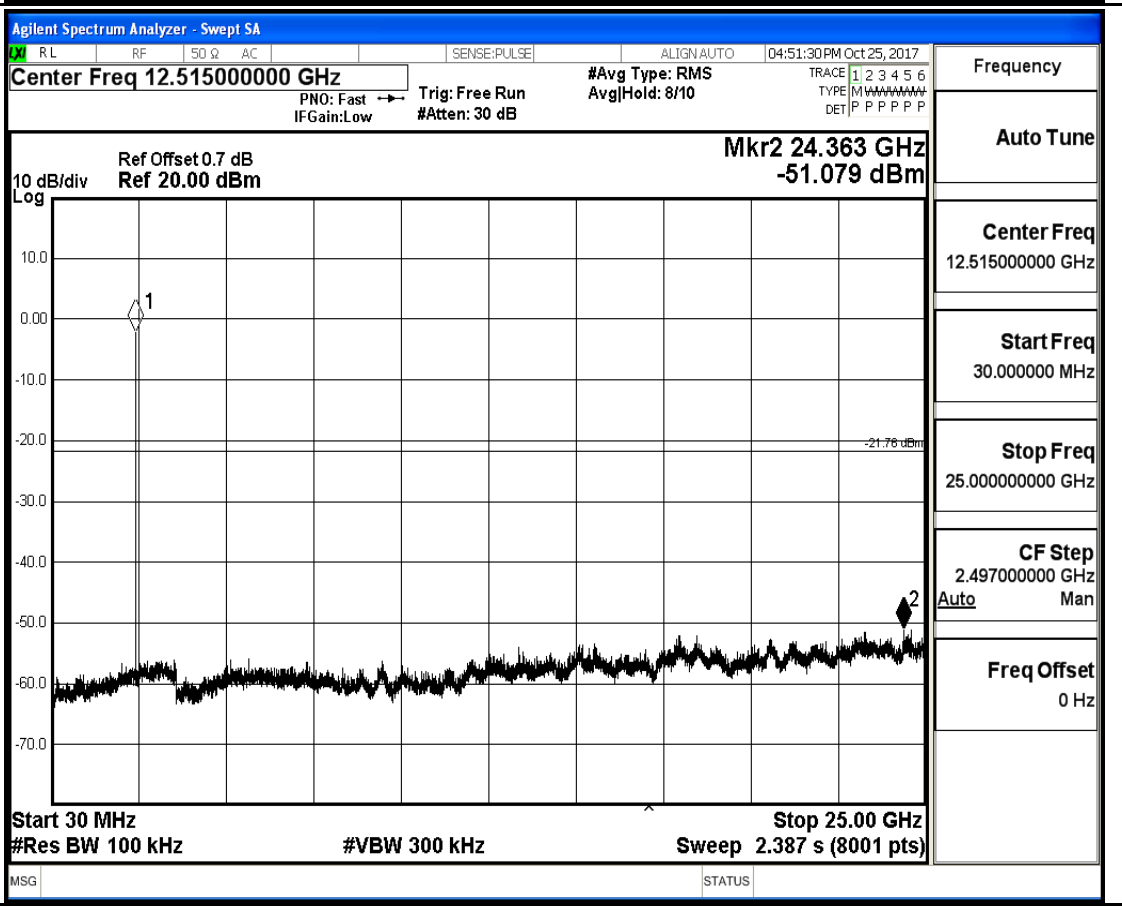
RF Conducted Spurious Emissions_BLE_2402



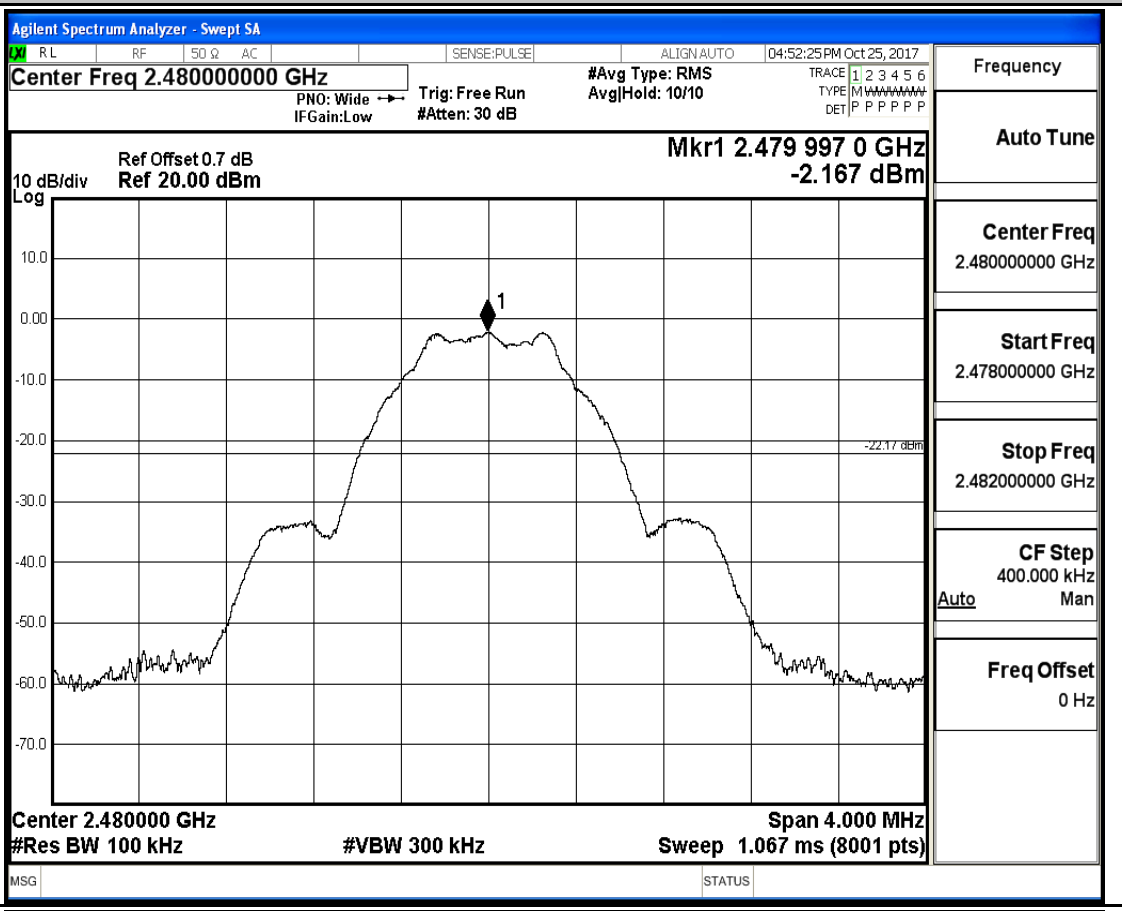


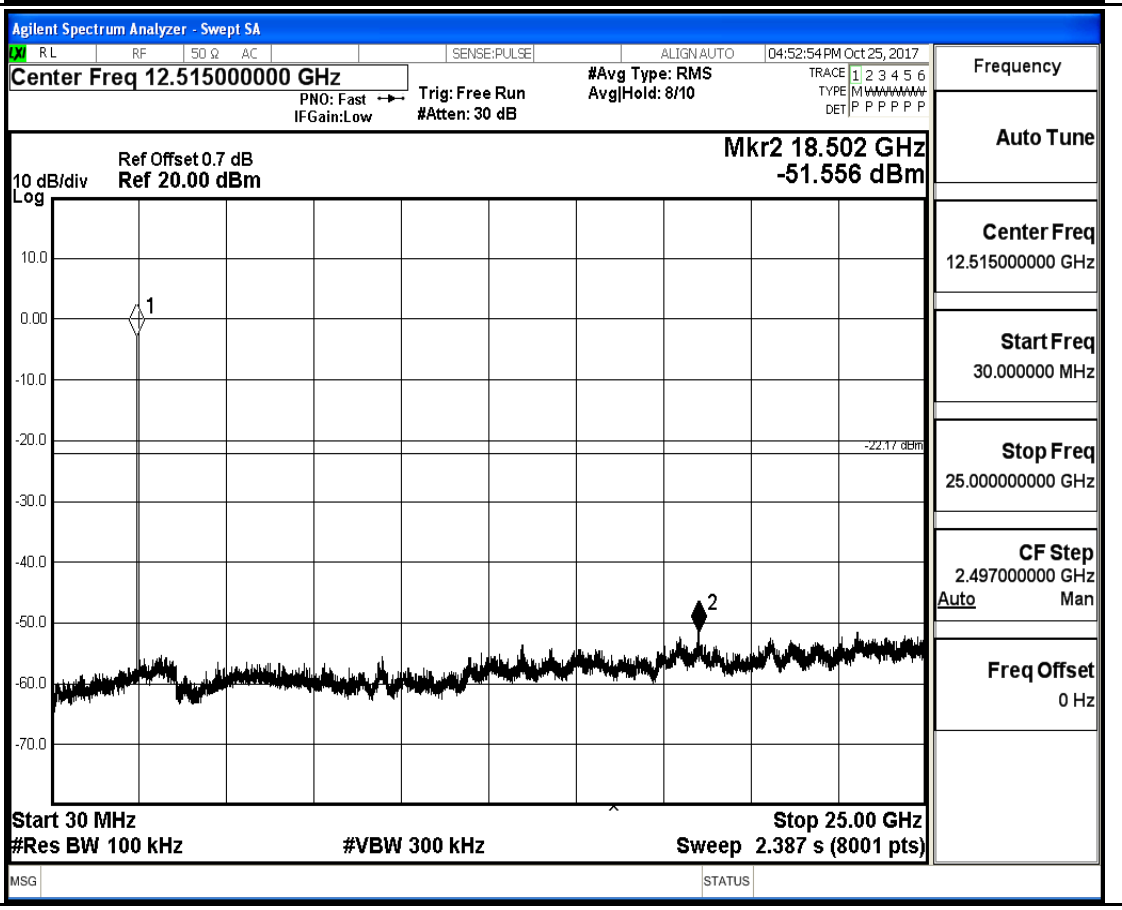
RF Conducted Spurious Emissions_BLE_2440





RF Conducted Spurious Emissions_BLE_2480

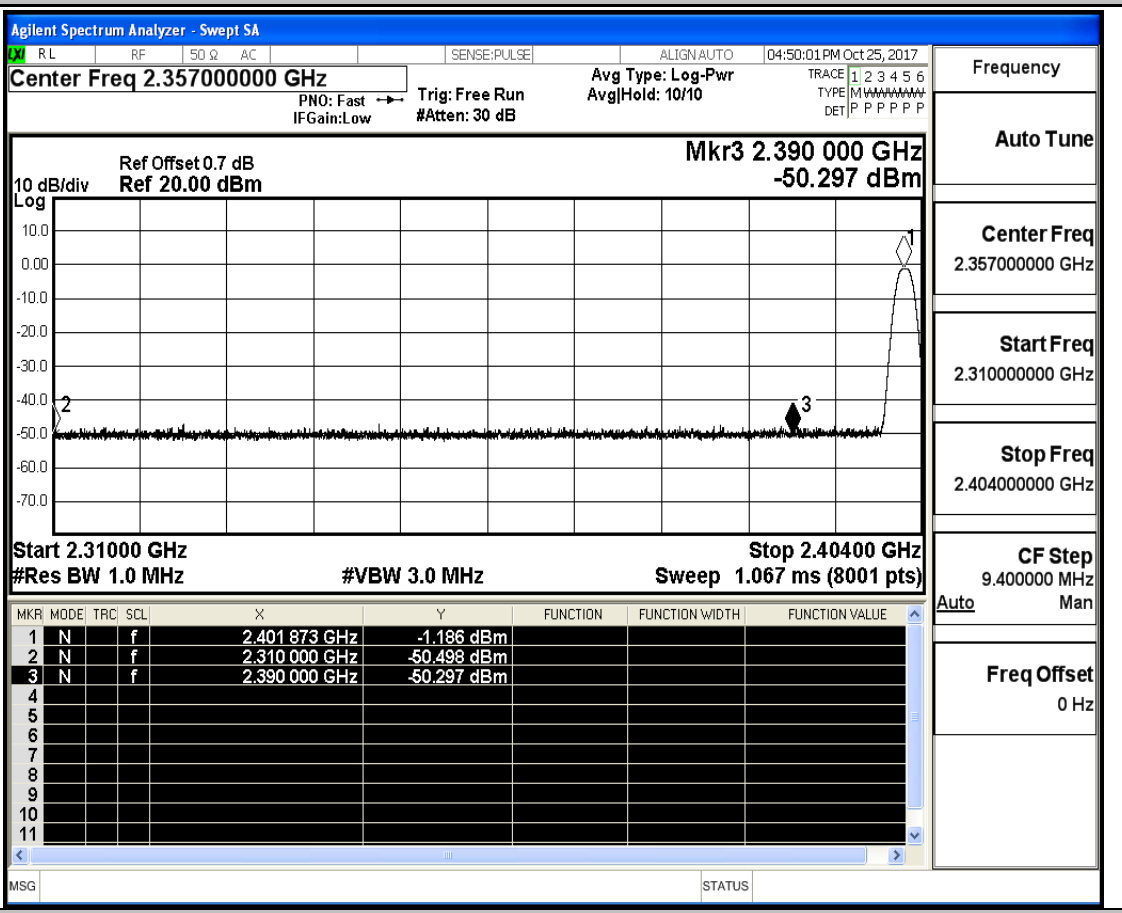




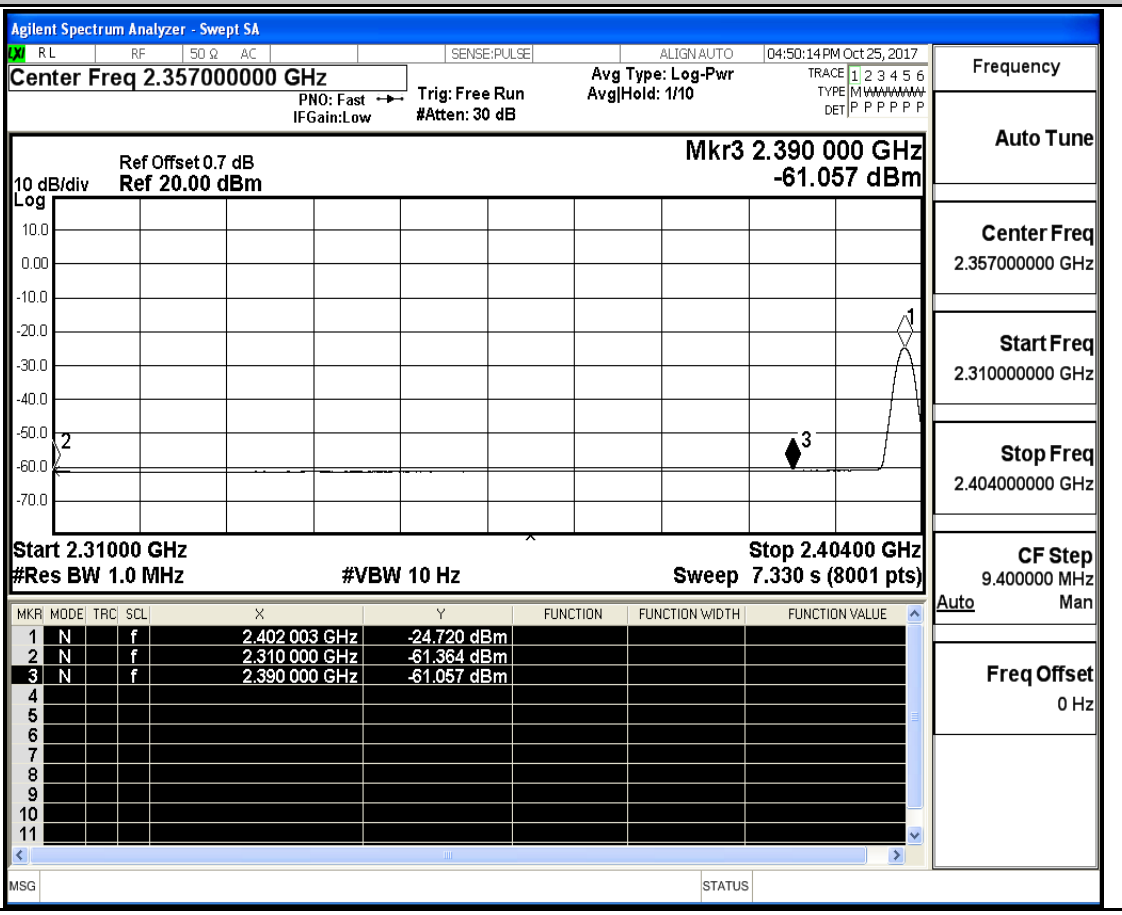
5.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BLE	Off	2310.0	-50.50	0	0	46.760	PEAK	74	PASS
BLE	Off	2310.0	-61.36	0	0	35.900	AV	54	PASS
BLE	Off	2390.0	-50.30	0	0	46.960	PEAK	74	PASS
BLE	Off	2390.0	-61.06	0	0	36.200	AV	54	PASS
BLE	Off	2483.5	-50.16	0	0	47.100	PEAK	74	PASS
BLE	Off	2483.5	-60.64	0	0	36.620	AV	54	PASS
BLE	Off	2500.0	-49.36	0	0	47.900	PEAK	74	PASS
BLE	Off	2500.0	-60.71	0	0	36.550	AV	54	PASS

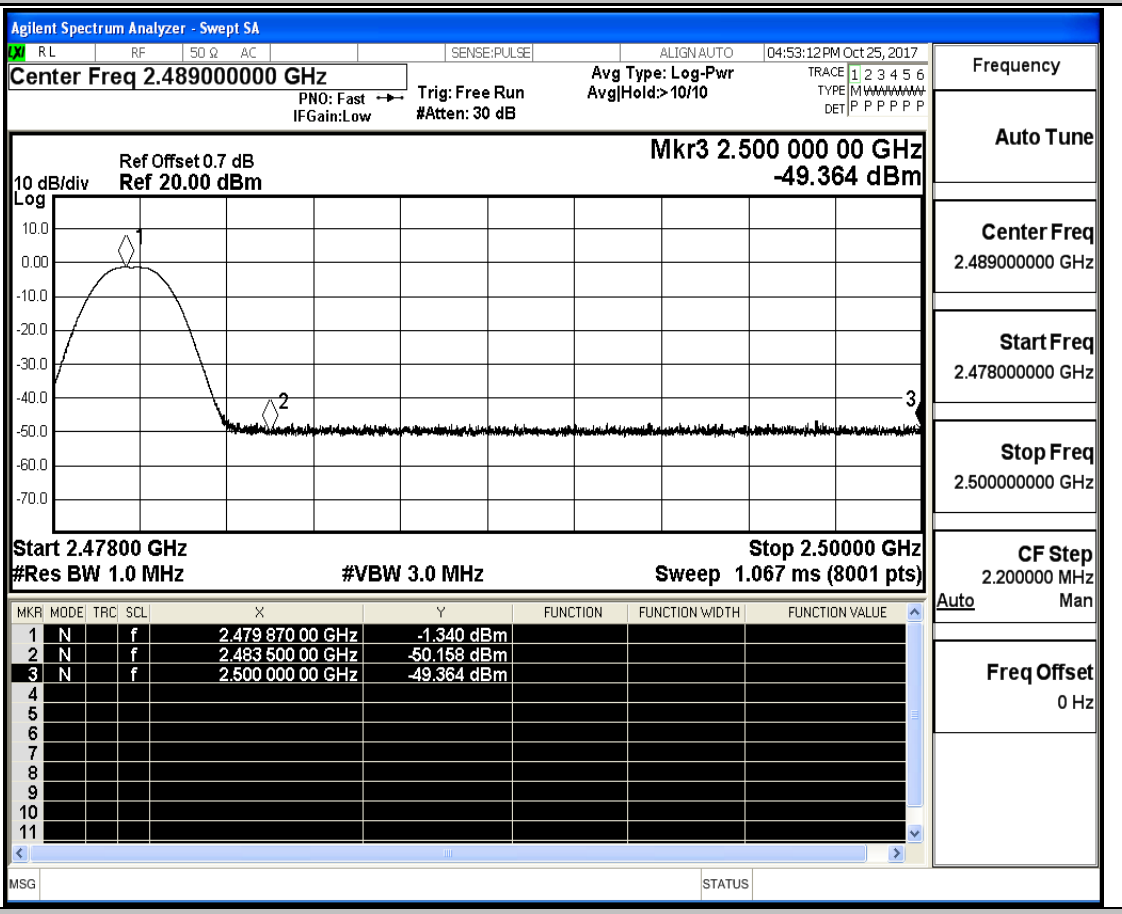
Restrict-band band-edge measurements_PEAK_2402



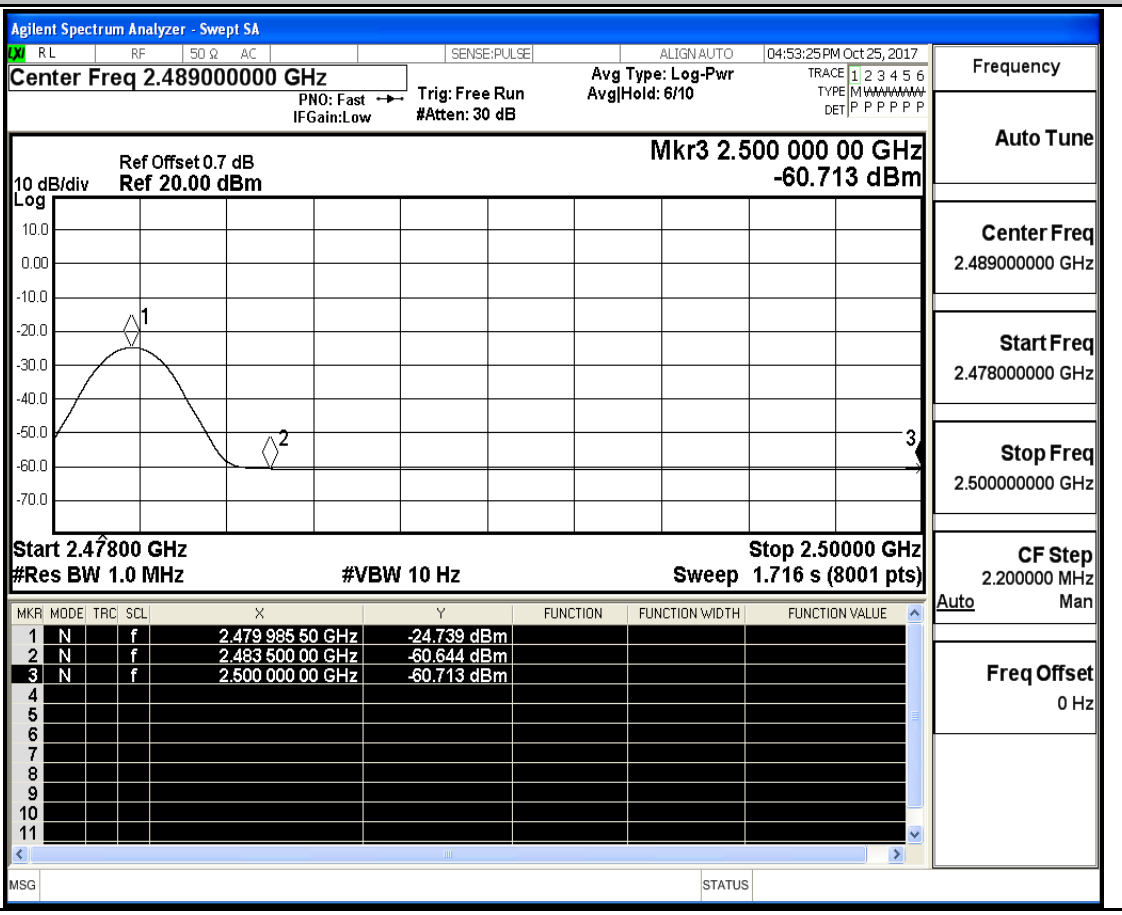
Restrict-band band-edge measurements_AV_2402



Restrict-band band-edge measurements_PEAK_2480



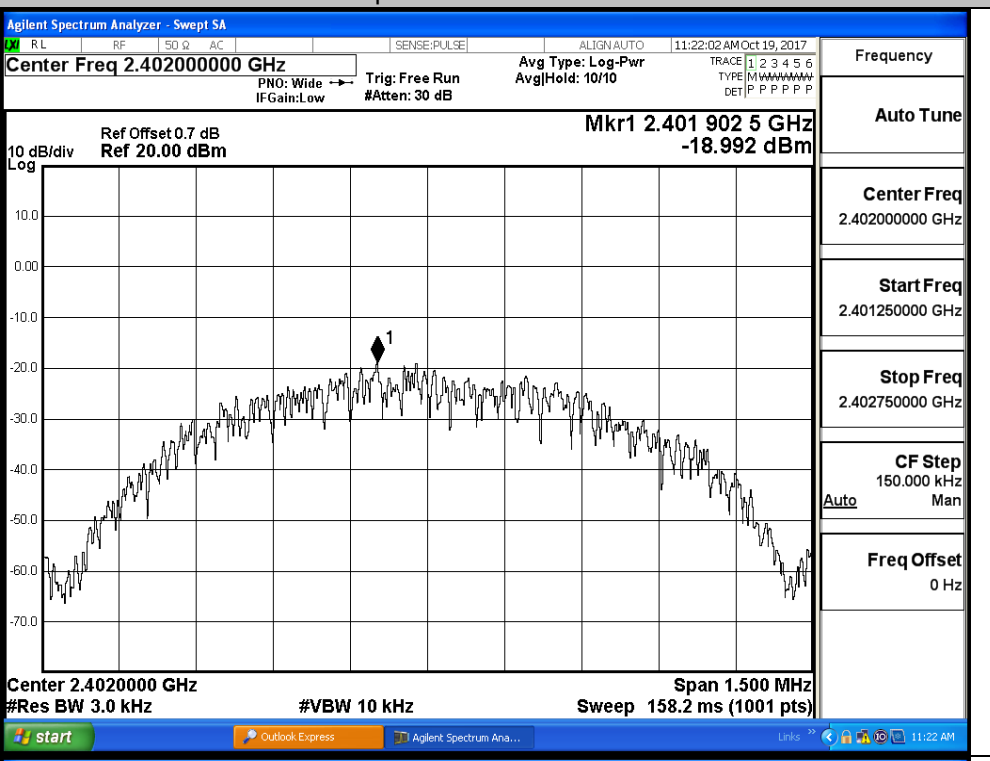
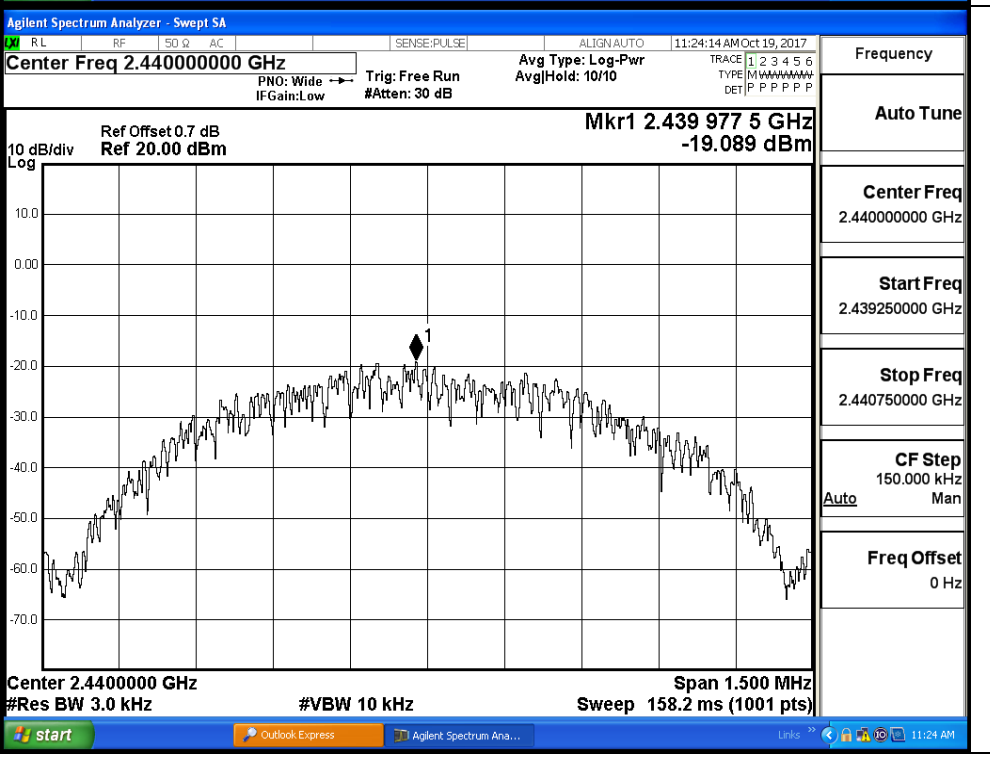
Restrict-band band-edge measurements_AV_2480

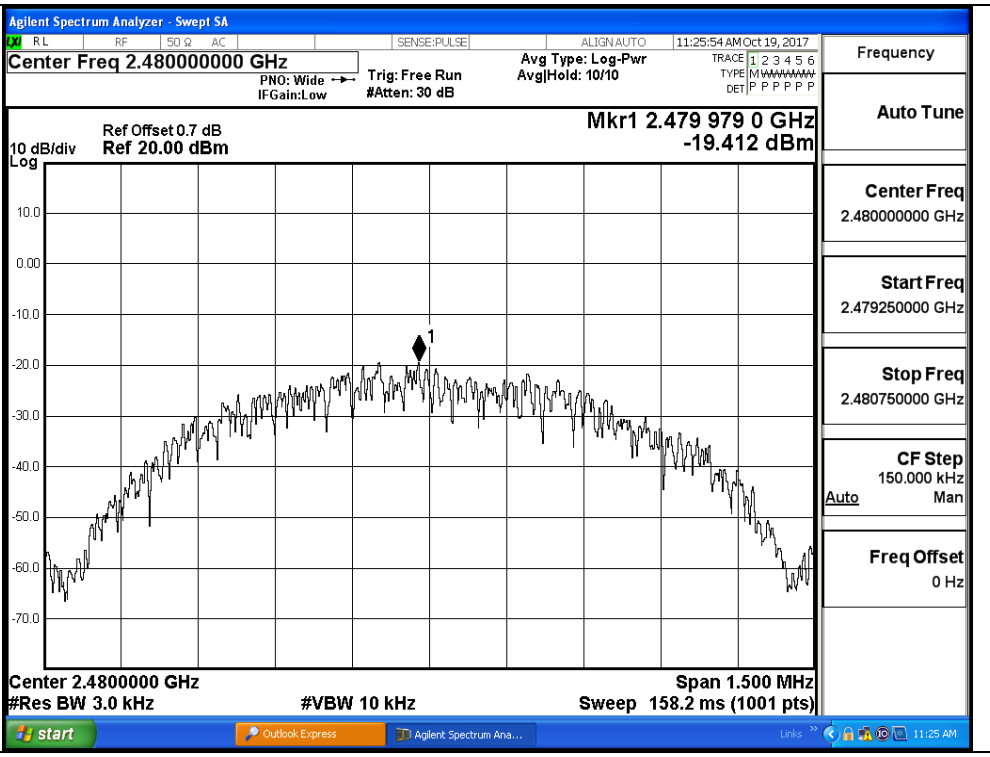


6. Power Spectral Density

Mode	Channel	PSD [dBm]	Verdict
BLE	LCH	-18.992	PASS
BLE	MCH	-19.089	PASS
BLE	HCH	-19.412	PASS

Test Graphs

Graphs		
LCH		
MCH		

HCH		

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
11:25:54 AM Oct 19, 2017
Ref Offset 0.7 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 2.479 979 0 GHz
-19.412 dBm
Center 2.4800000 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 1.500 MHz
Sweep 158.2 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.479250000 GHz
Stop Freq
2.480750000 GHz
CF Step
150.000 kHz
Auto
Man
Freq Offset
0 Hz
start
Outlook Express
Agilent Spectrum Ana...
11:25 AM

7.On Time and Duty Cycle
Test Graphs

Graphs	
MCH