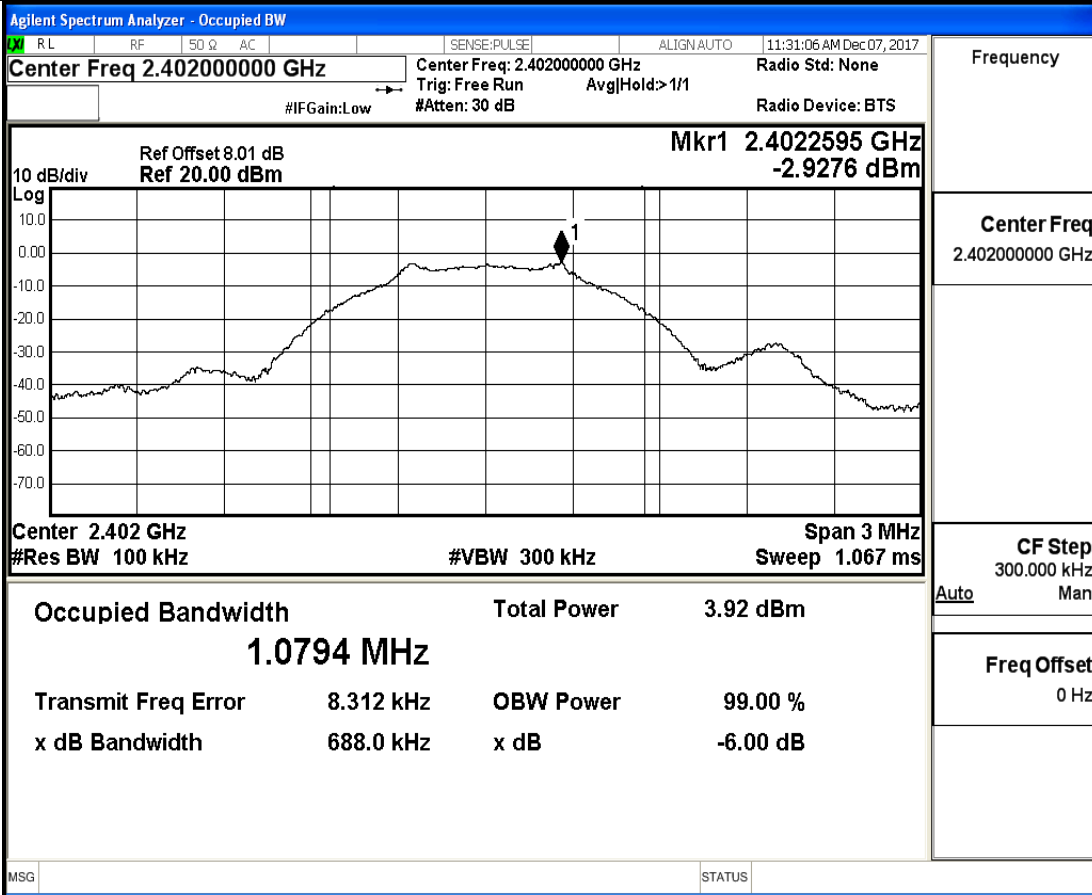


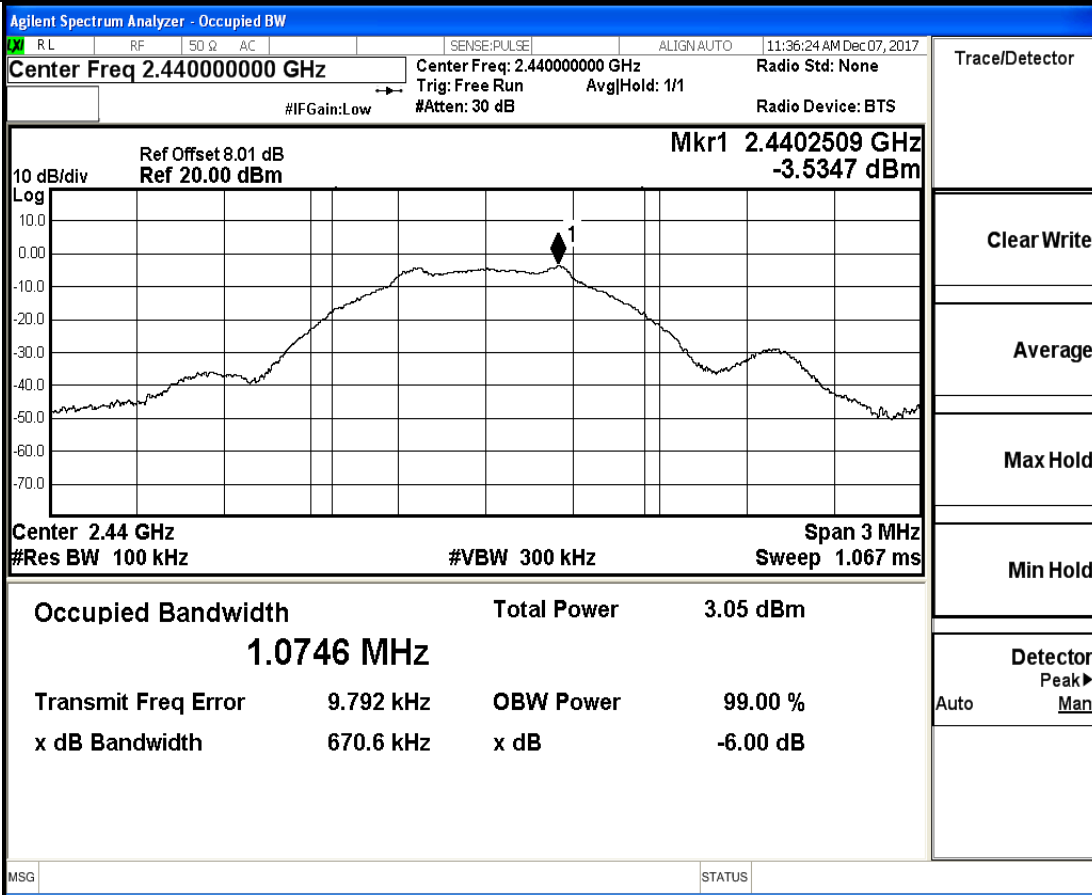
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.6880	0.5	PASS
BLE	2440	Ant1	0.6706	0.5	PASS
BLE	2480	Ant1	0.6927	0.5	PASS

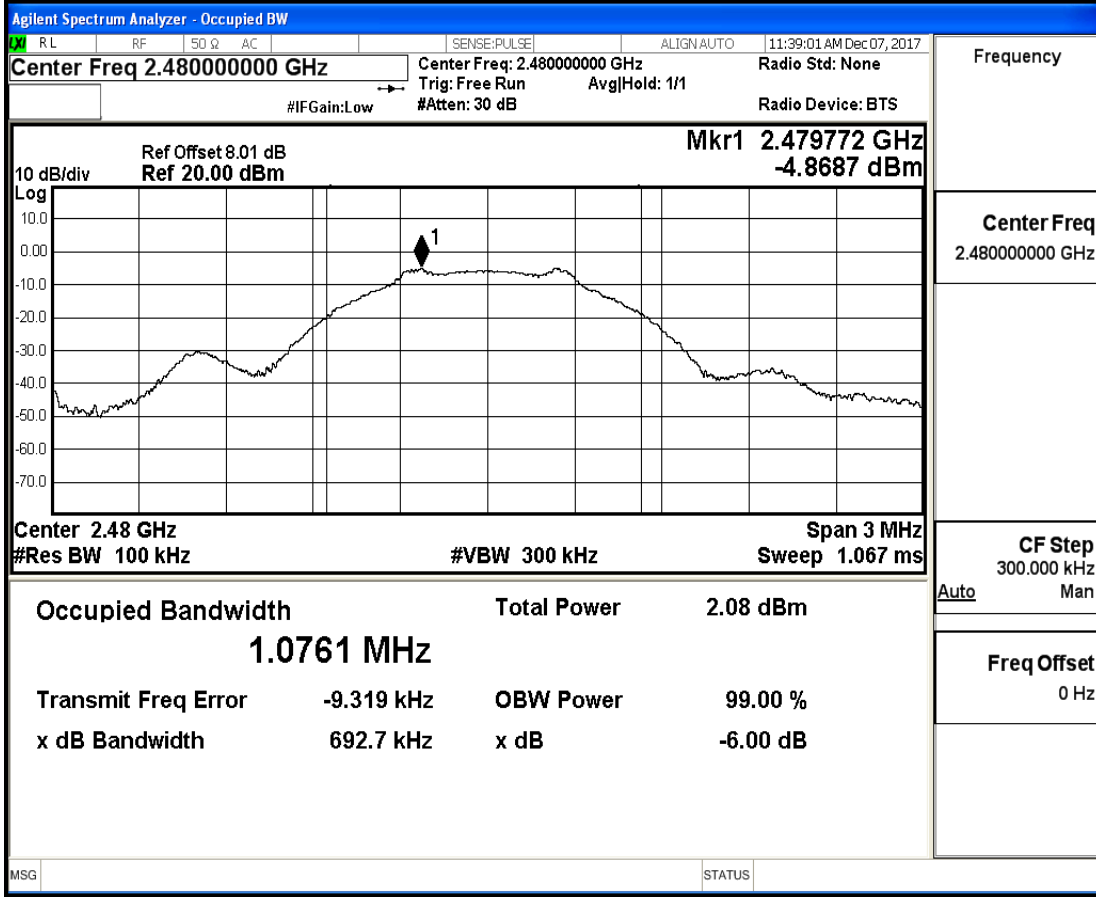
6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1



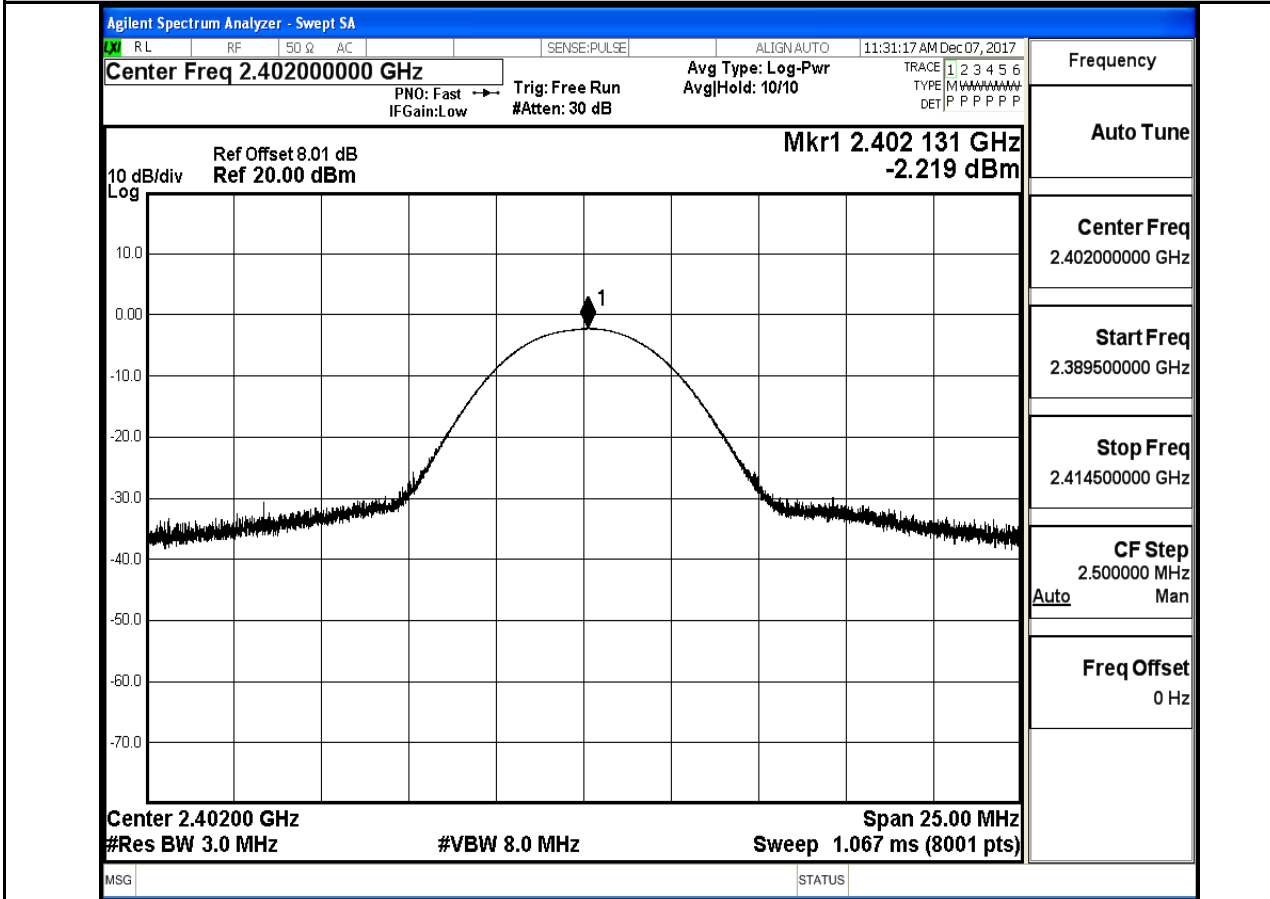
6dB Bandwidth_BLE_2480_Ant1



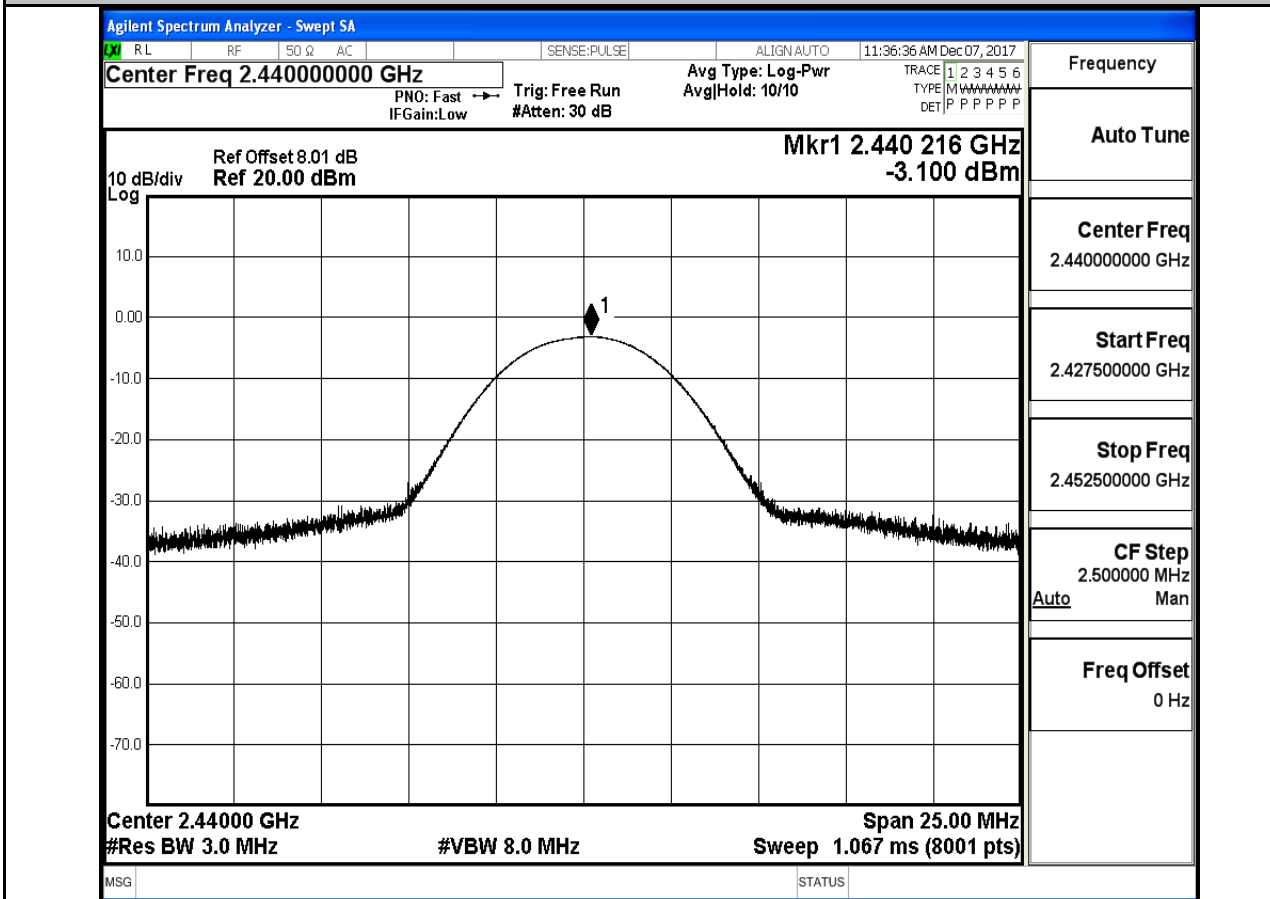
2.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	-2.219	30	PASS
BLE	2440	Ant1	-3.100	30	PASS
BLE	2480	Ant1	-3.890	30	PASS

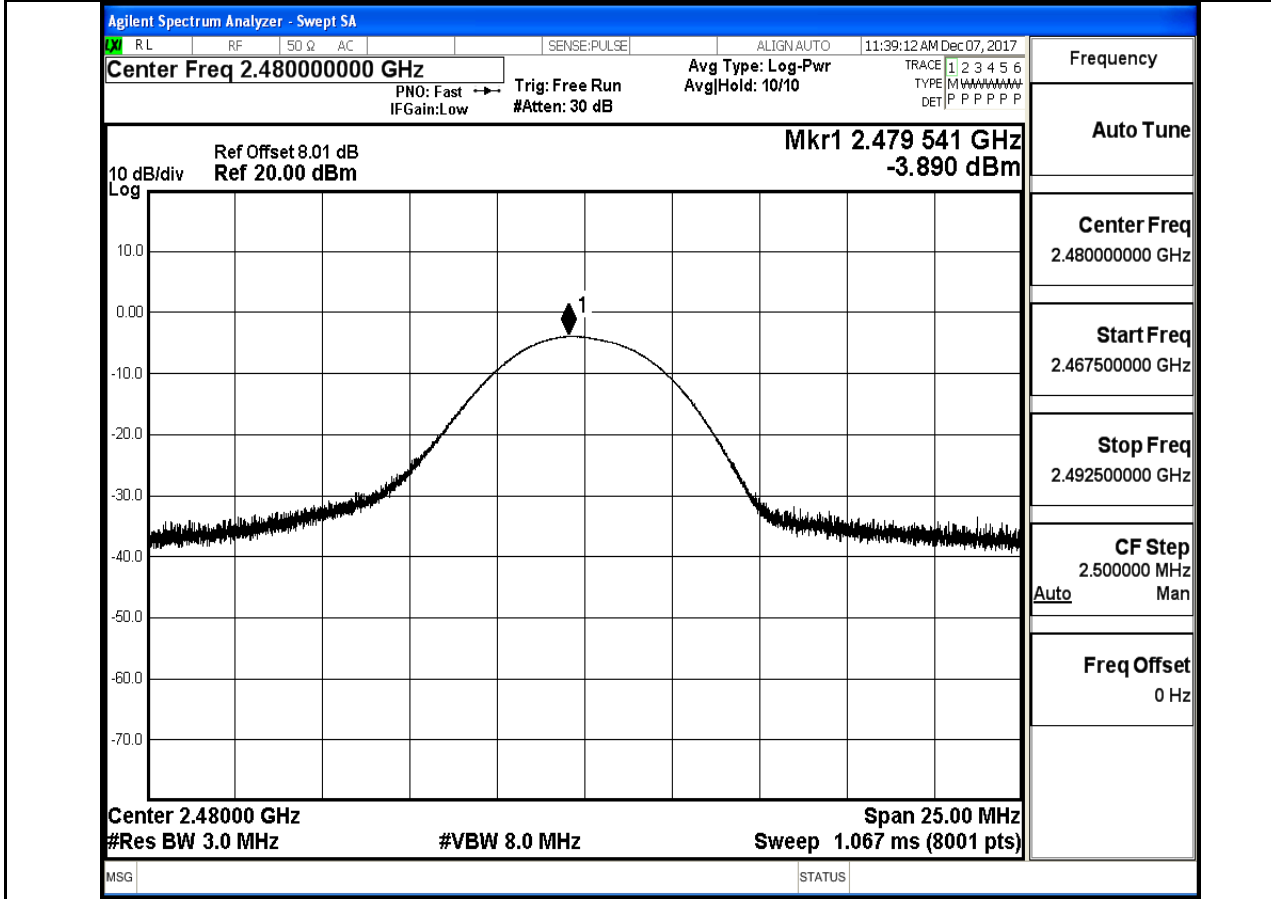
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



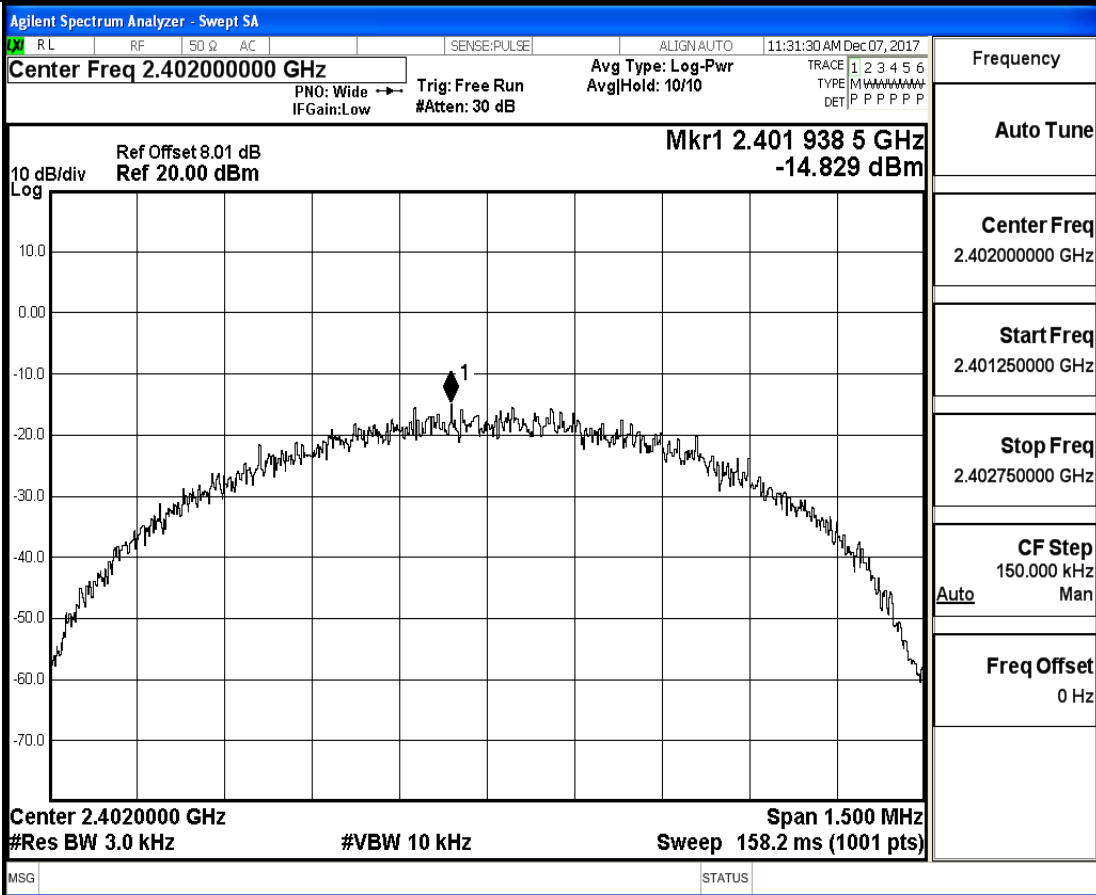
Maximum peak conducted output power_BLE_2480_Ant1



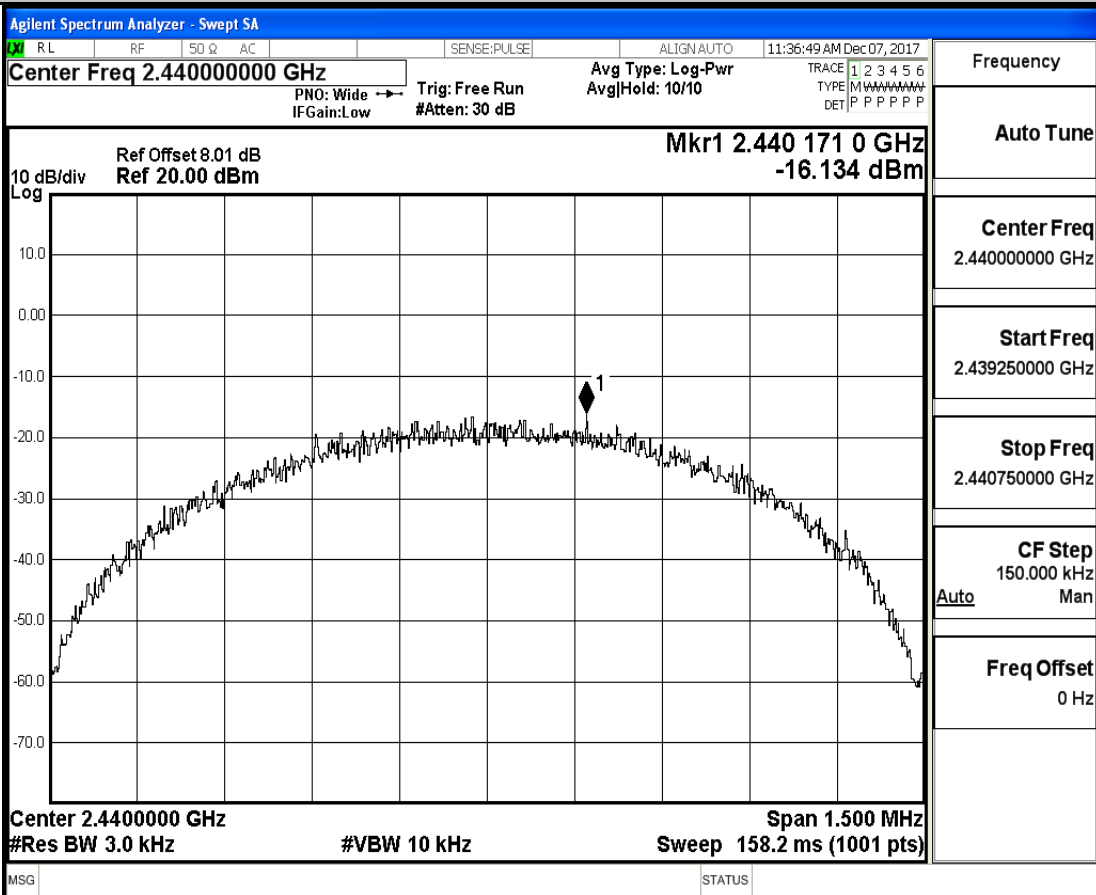
3.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-14.829	8.00	PASS
BLE	2440	Ant1	-16.134	8.00	PASS
BLE	2480	Ant1	-17.351	8.00	PASS

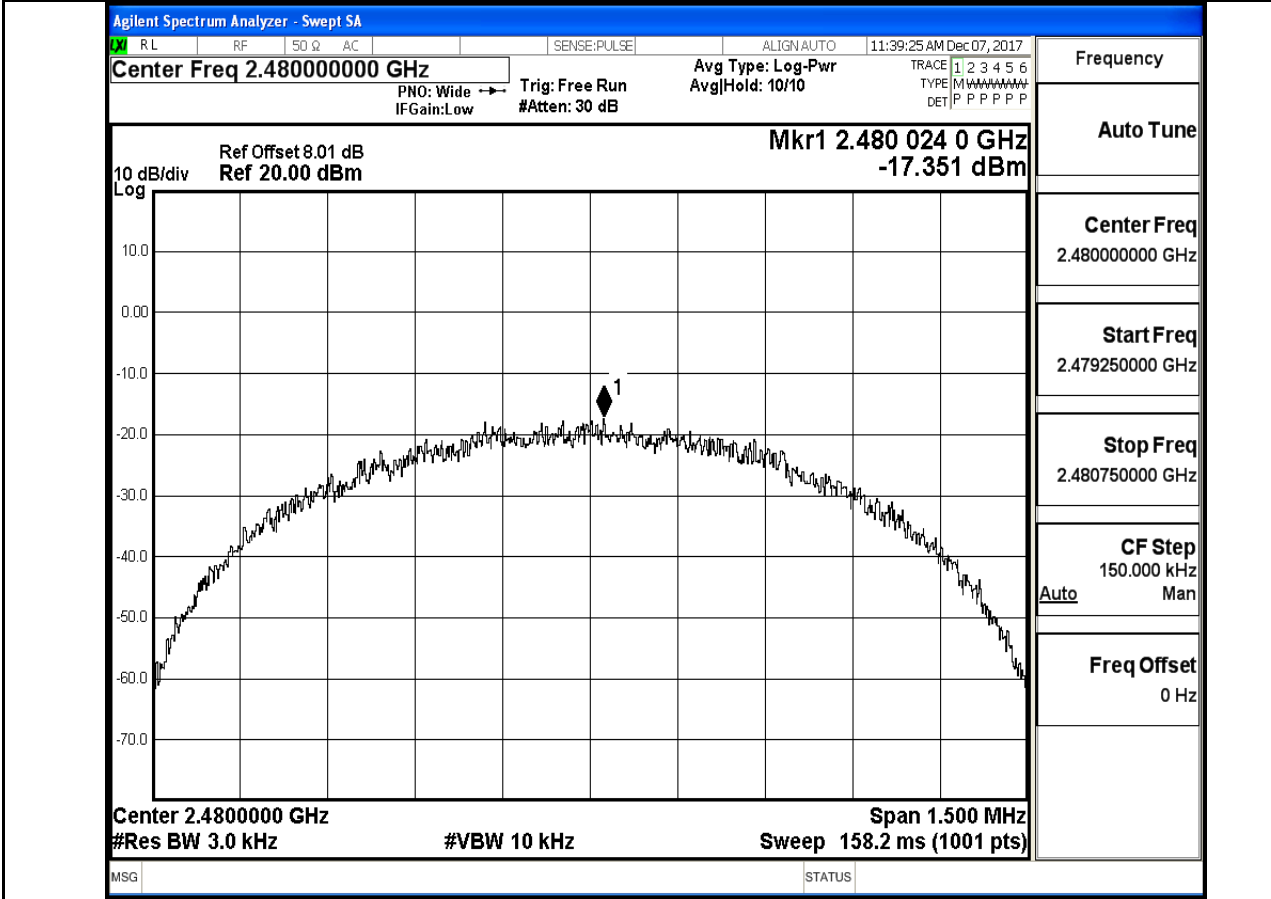
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



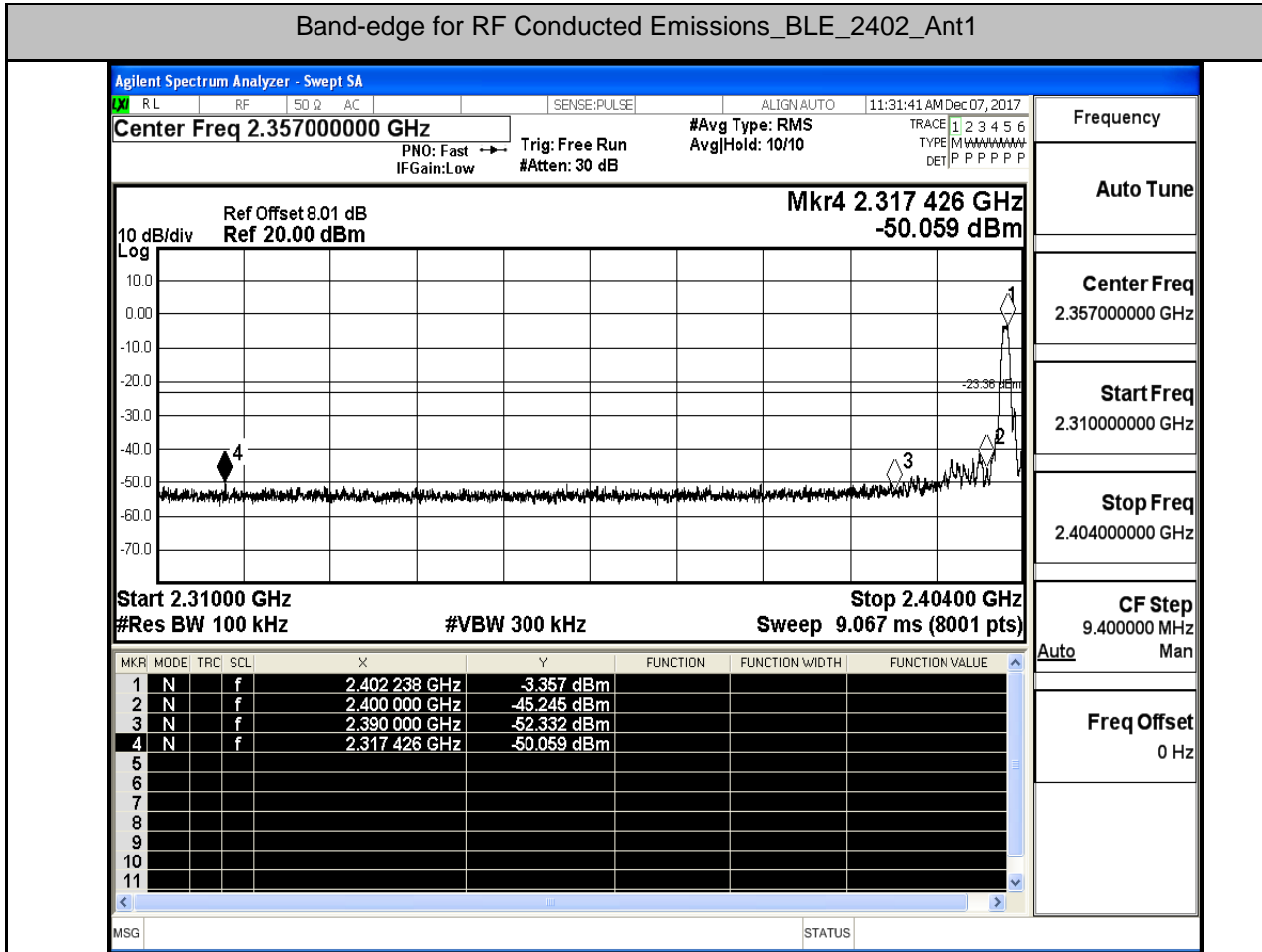
Maximum Peak power spectral density_BLE_2480_Ant1



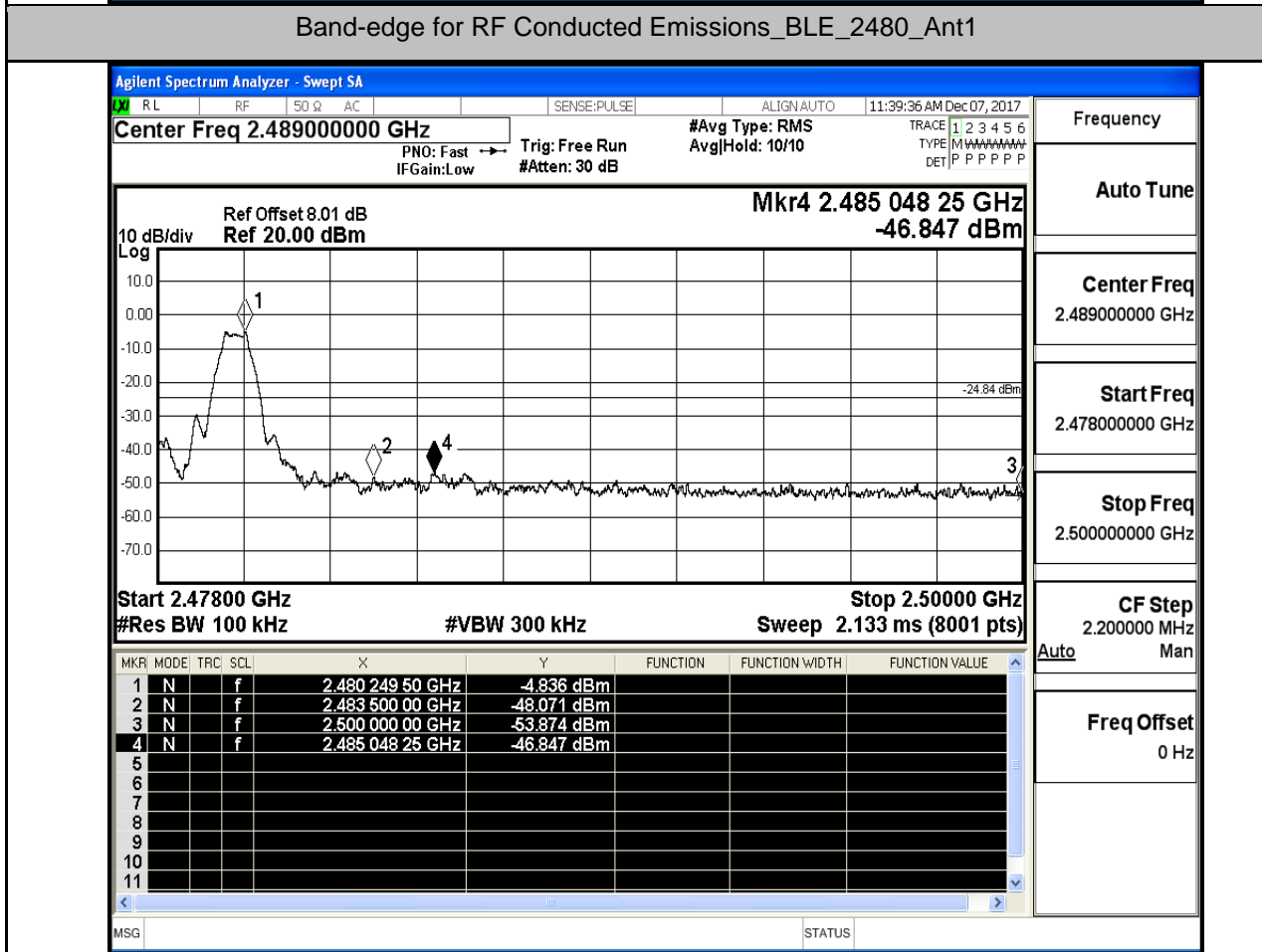
4.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	-3.357	-50.059	-23.36	PASS
BLE	2480	Ant1	-4.836	-46.847	-24.84	PASS

Band-edge for RF Conducted Emissions_BLE_2402_Ant1



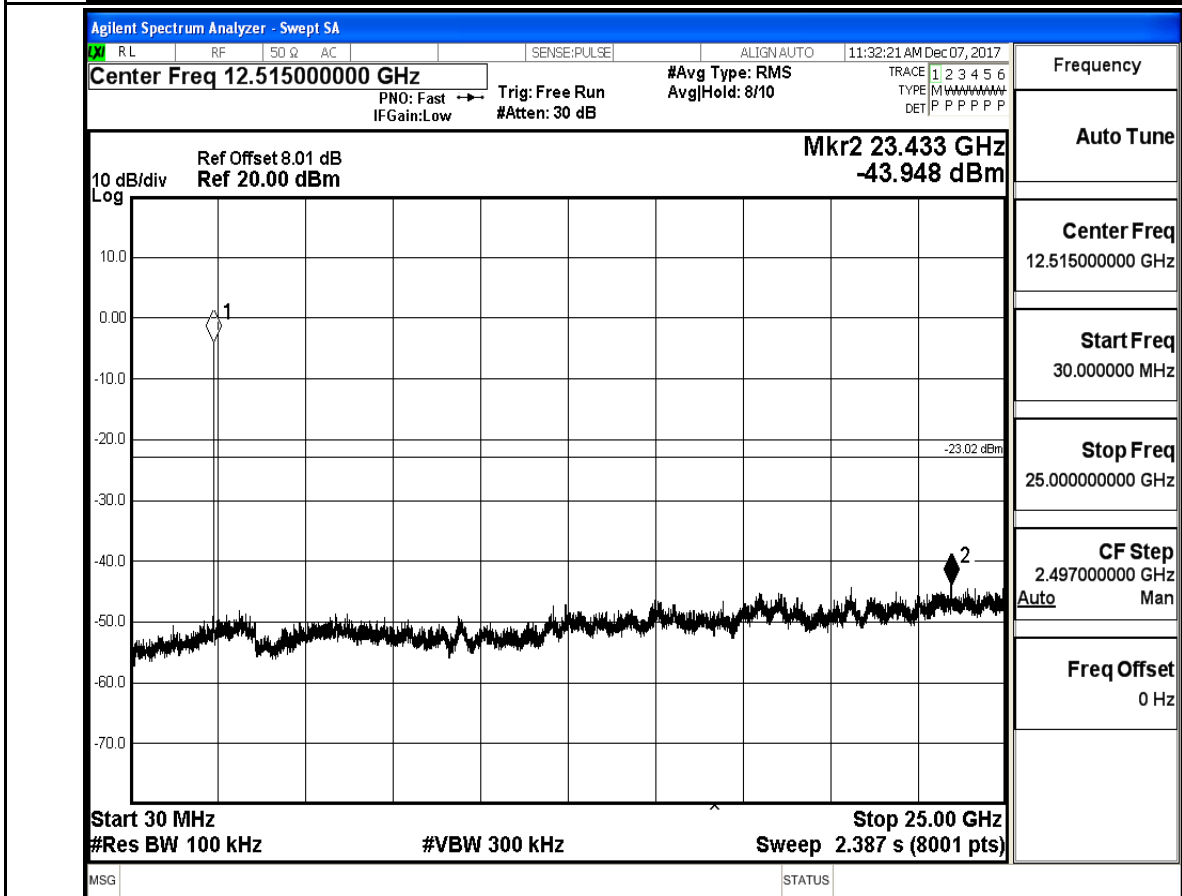
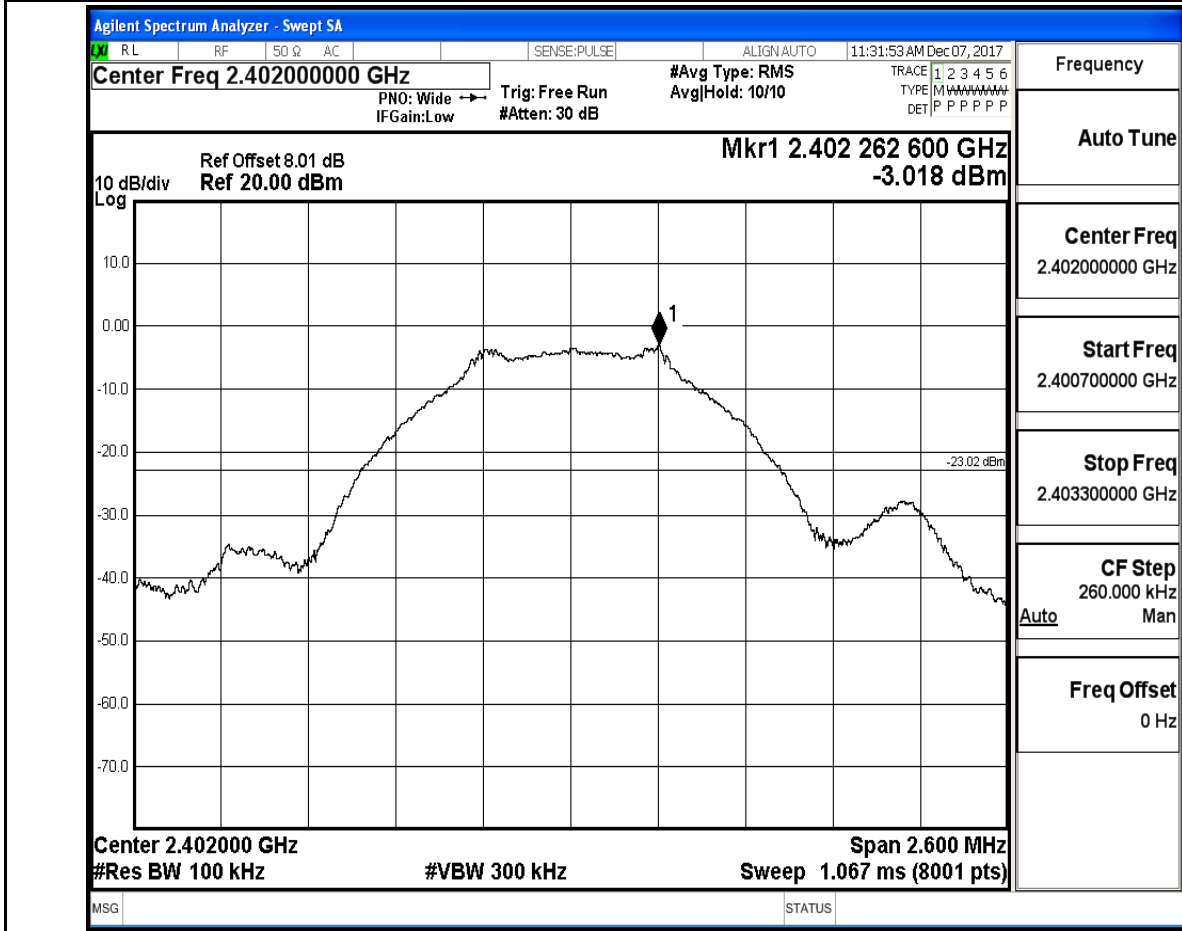
Band-edge for RF Conducted Emissions_BLE_2480_Ant1



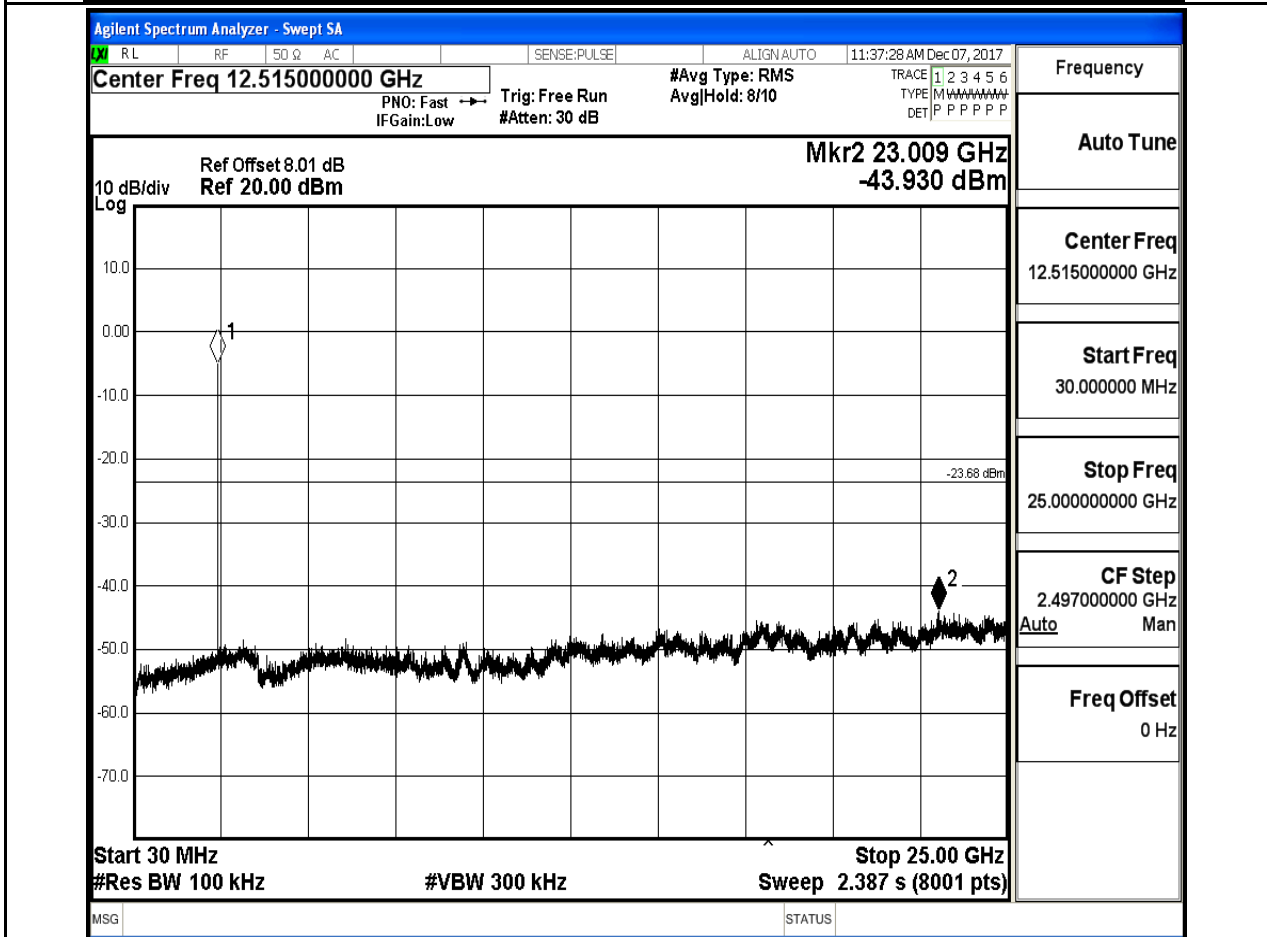
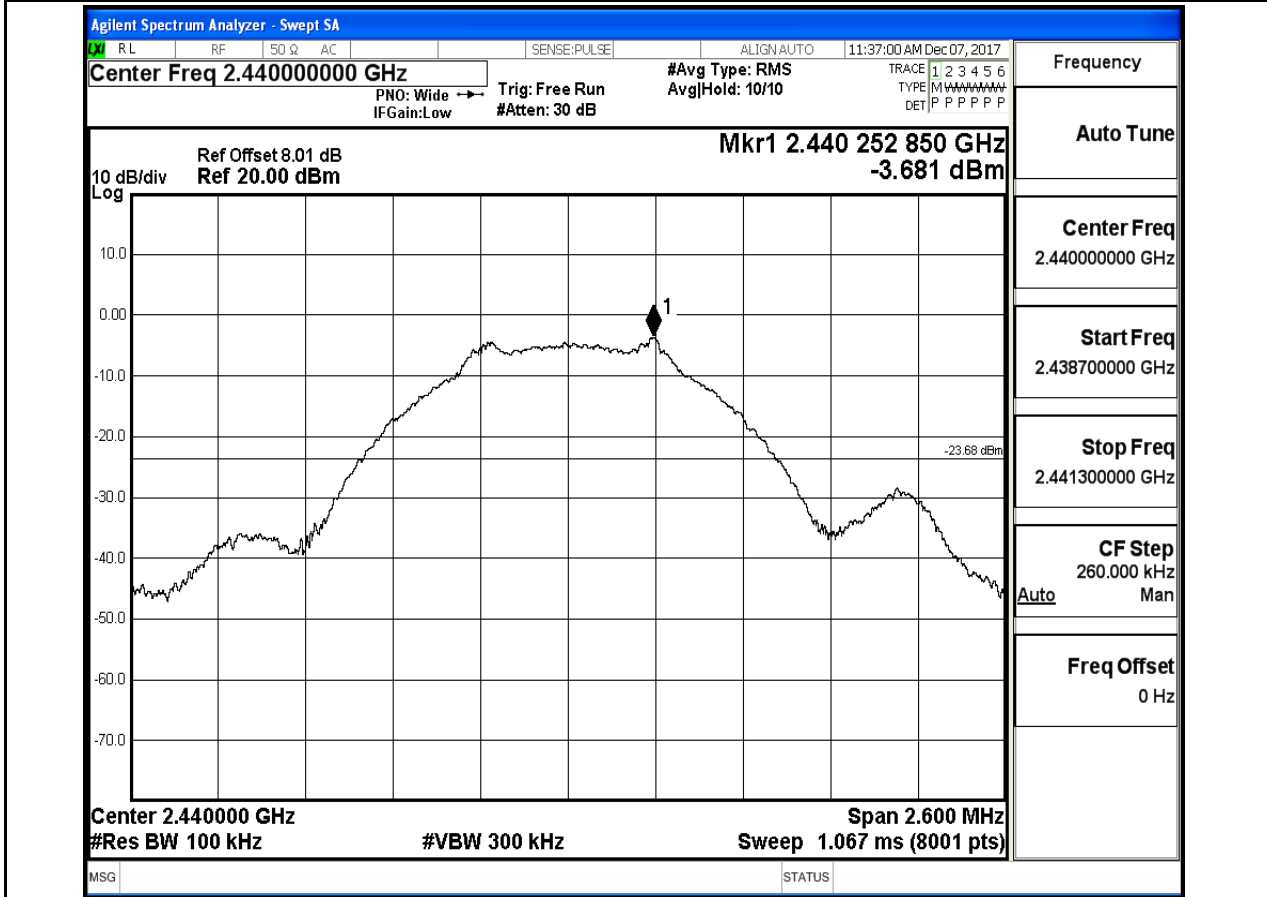
5.RF Conducted Spurious Emissions

Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	30	25000	100	300	-3.018	-43.948	<-23.018	PASS
BLE	2440	Ant1	30	25000	100	300	-3.681	-43.930	<-23.681	PASS
BLE	2480	Ant1	30	25000	100	300	-4.694	-43.999	<-24.694	PASS

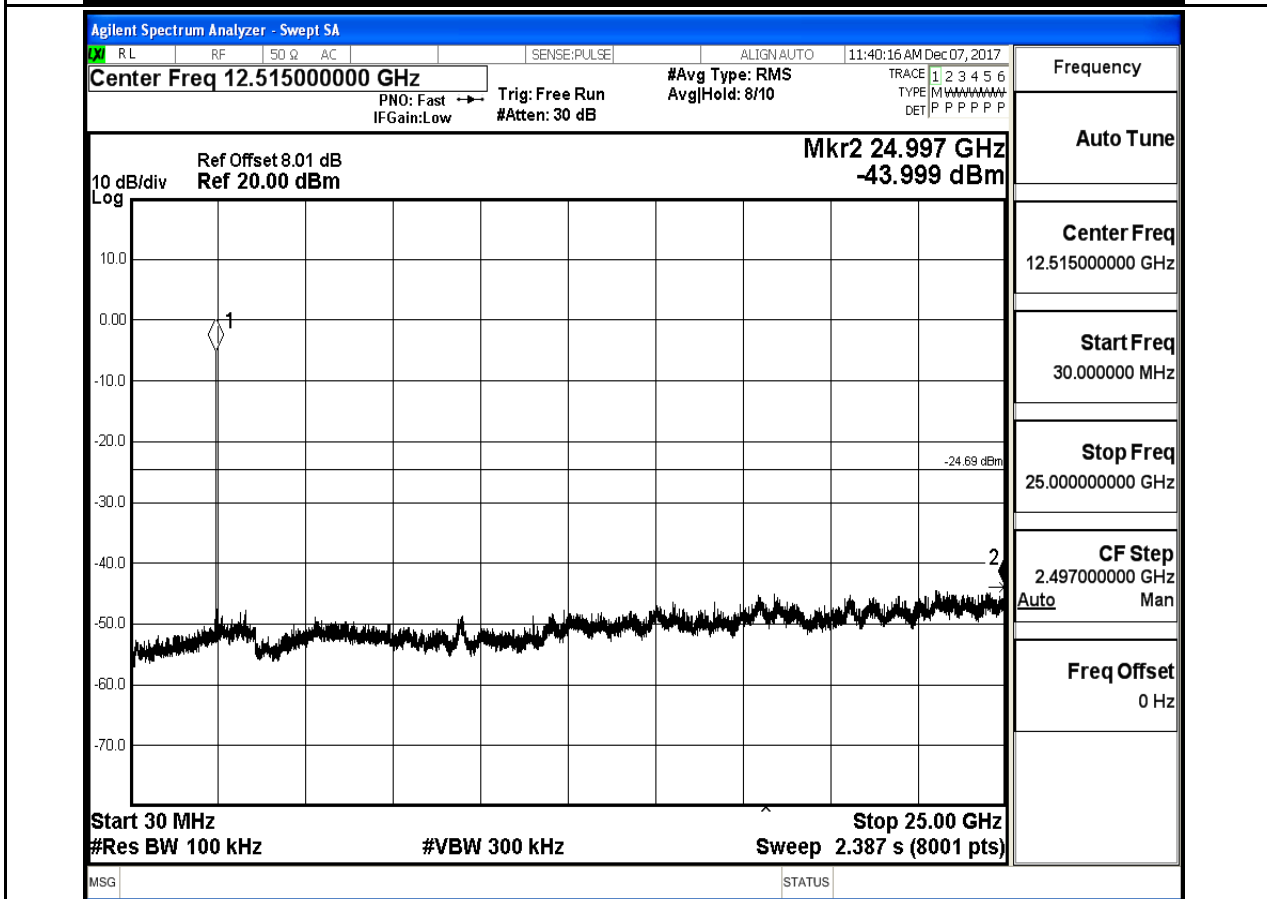
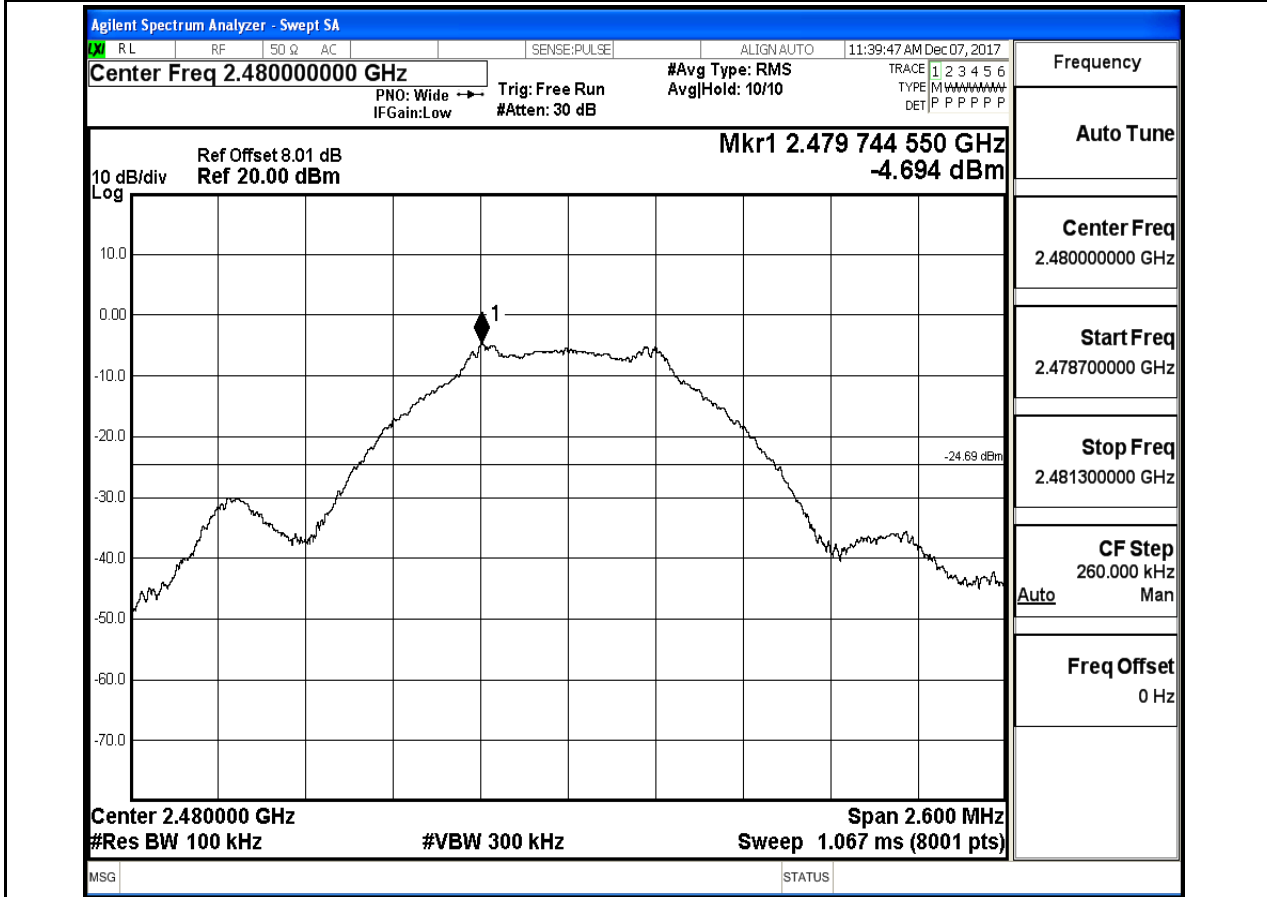
RF Conducted Spurious Emissions_BLE_2402_Ant1



RF Conducted Spurious Emissions_BLE_2440_Ant1



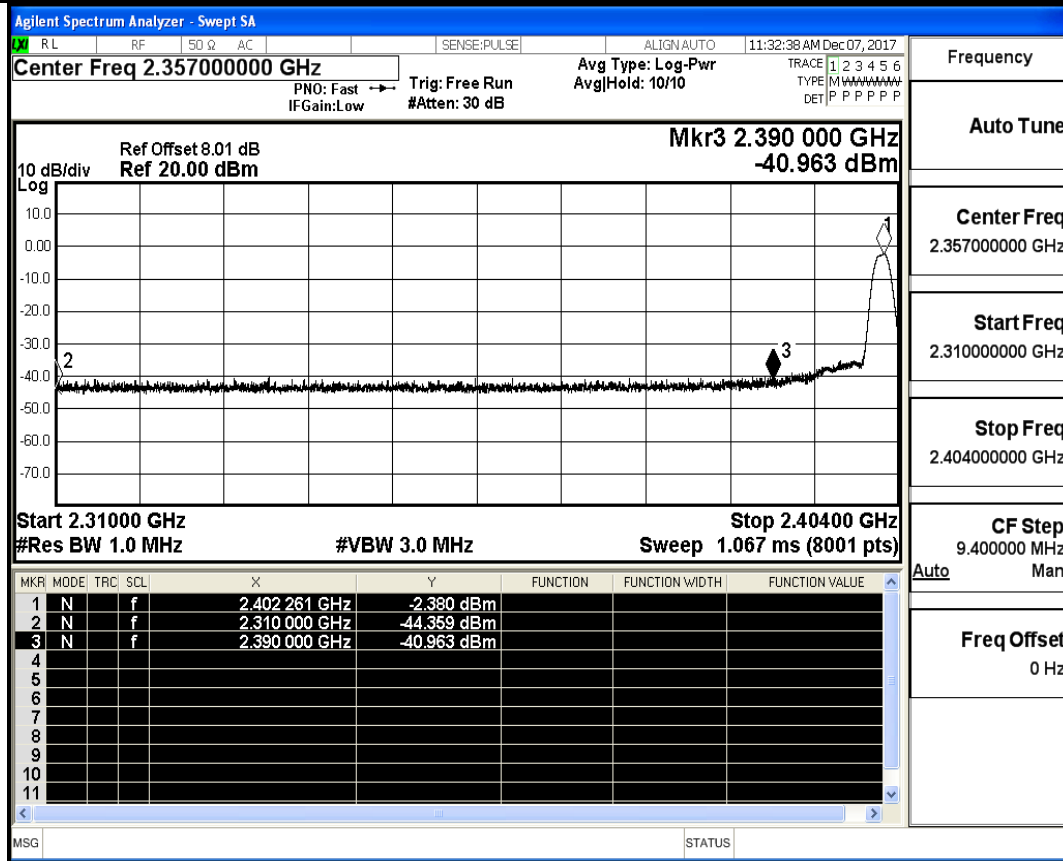
RF Conducted Spurious Emissions_BLE_2480_Ant1



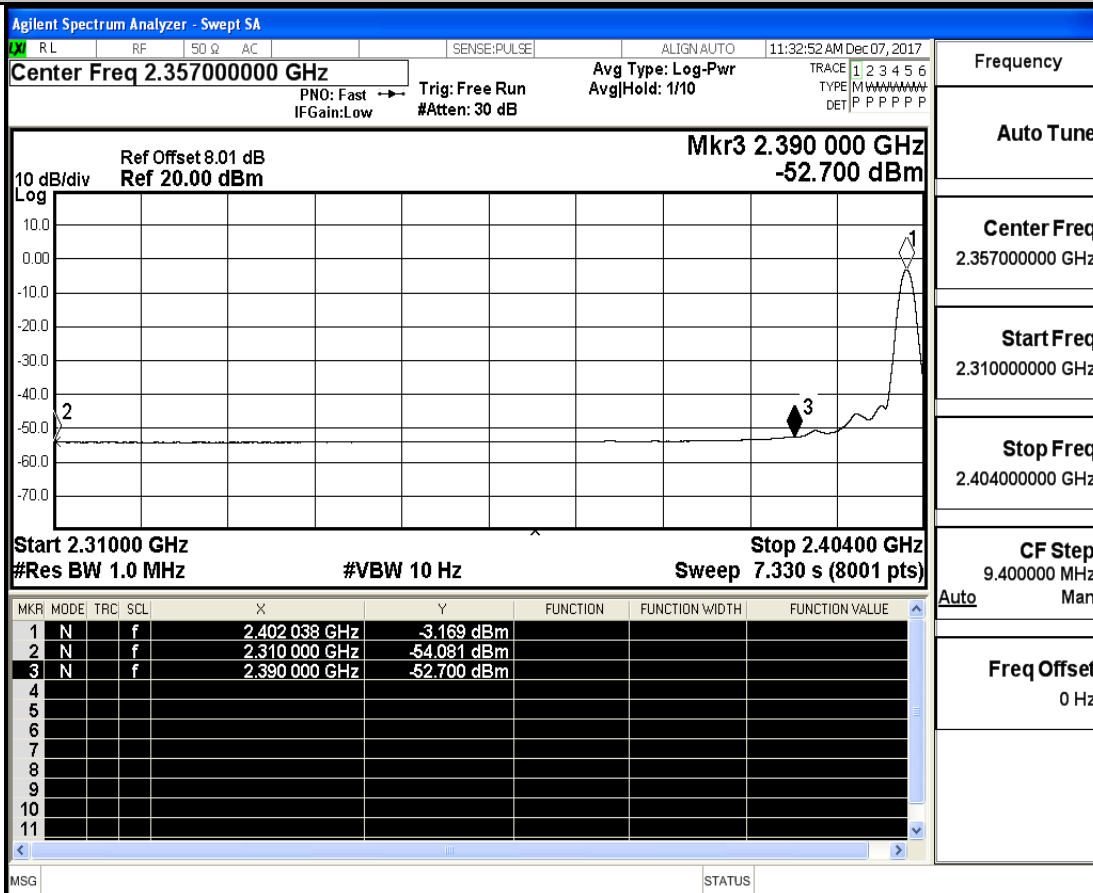
6.Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BLE	2402	Ant1	2310.0	-44.36	2	0	52.90	PEAK	74	PASS
BLE	2402	Ant1	2310.0	-54.08	2	0	43.18	AV	54	PASS
BLE	2402	Ant1	2390.0	-40.96	2	0	56.29	PEAK	74	PASS
BLE	2402	Ant1	2390.0	-52.70	2	0	44.56	AV	54	PASS
BLE	2480	Ant1	2483.5	-39.95	2	0	57.30	PEAK	74	PASS
BLE	2480	Ant1	2483.5	-50.81	2	0	46.45	AV	54	PASS
BLE	2480	Ant1	2500.0	-43.17	2	0	54.08	PEAK	74	PASS
BLE	2480	Ant1	2500.0	-53.40	2	0	43.86	AV	54	PASS

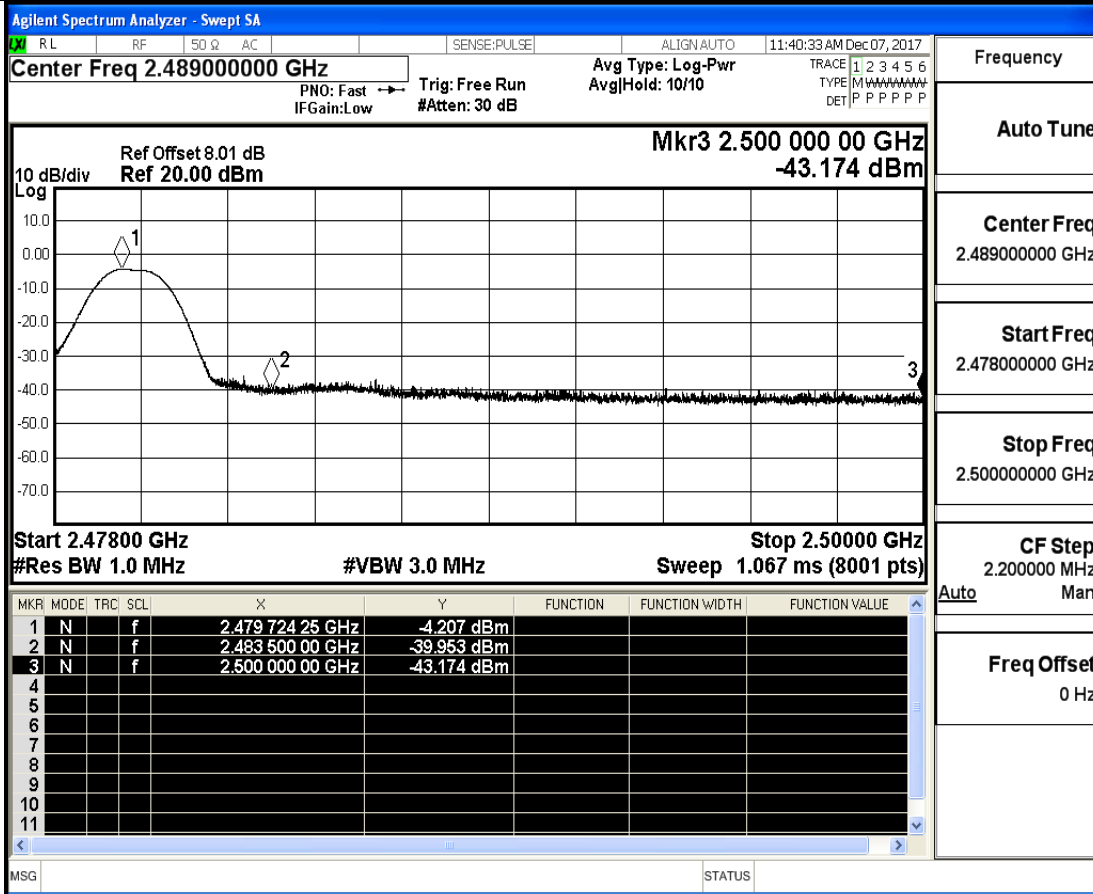
Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BLE_2402_Ant1_AV

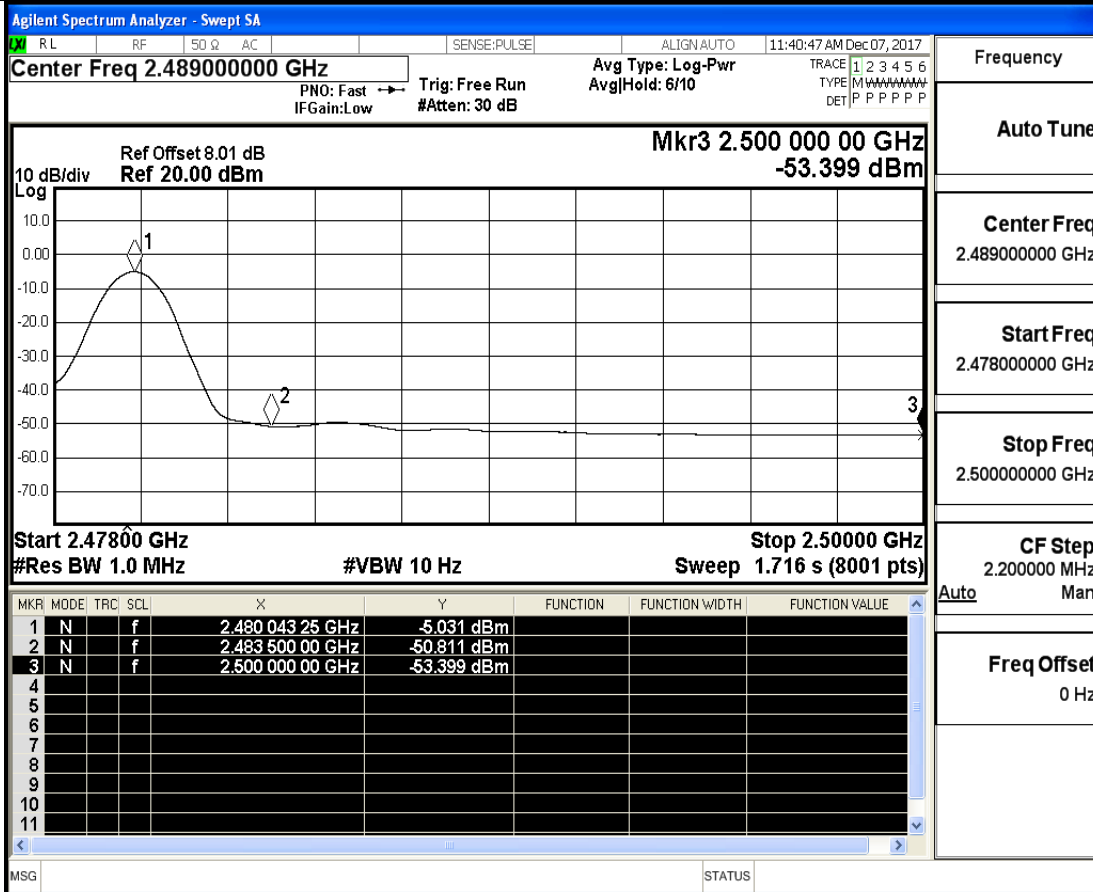


Restrict-band band-edge measurements_BLE_2480_Ant1_PEAK



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

Restrict-band band-edge measurements_BLE_2480_Ant1_AV



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

7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE	2440	Ant1	100	PASS

Duty Cycle_BLE_2440_Ant1

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:42:35 AM Dec 07, 2017

Center Freq 2.440000000 GHz Avg Type: Log-Pwr

PNO: Fast IFGain:Low Trig: Free Run #Atten: 40 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P P P P P P P P

10 dB/div Ref 30.00 dBm

Log

Center 2.440000000 GHz Span 0 Hz

Res BW 8 MHz #VBW 50 MHz Sweep 5.000 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.440000000 GHz

Start Freq
2.440000000 GHz

Stop Freq
2.440000000 GHz

CF Step
8.000000 MHz

Auto Man

Freq Offset
0 Hz

MSG STATUS