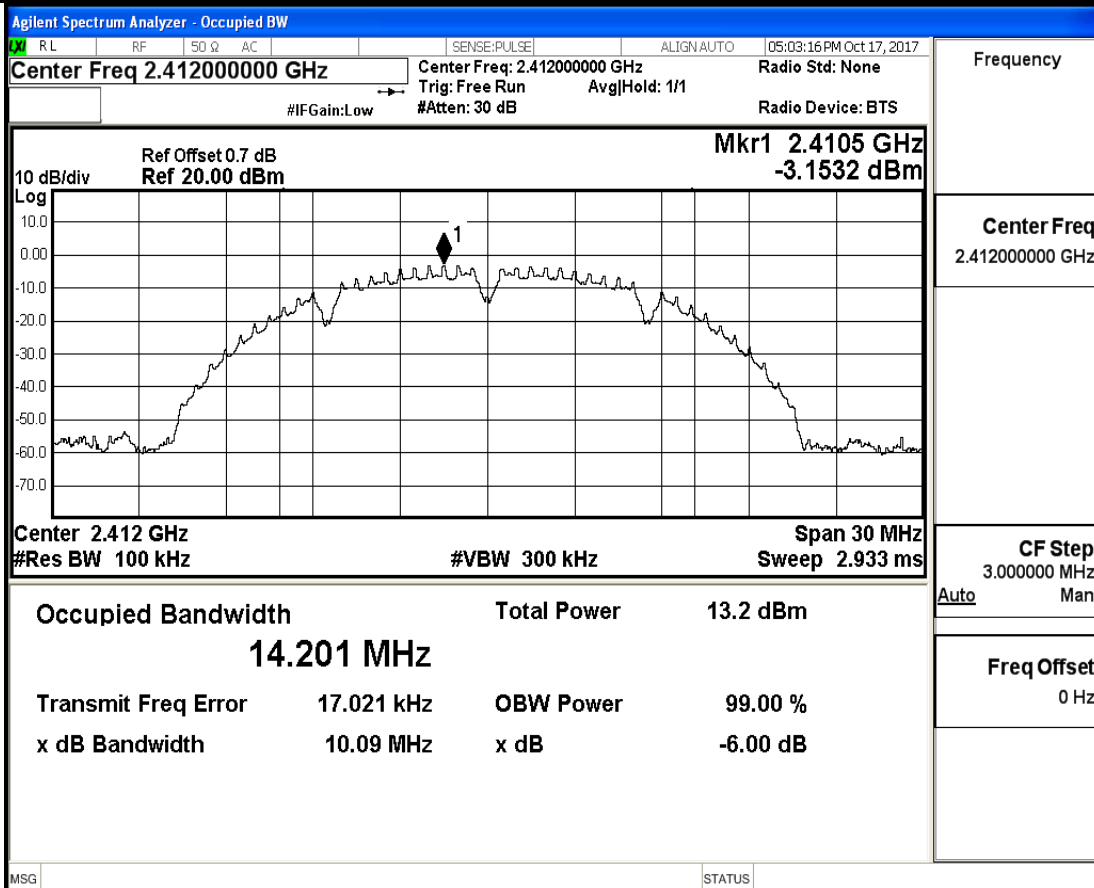


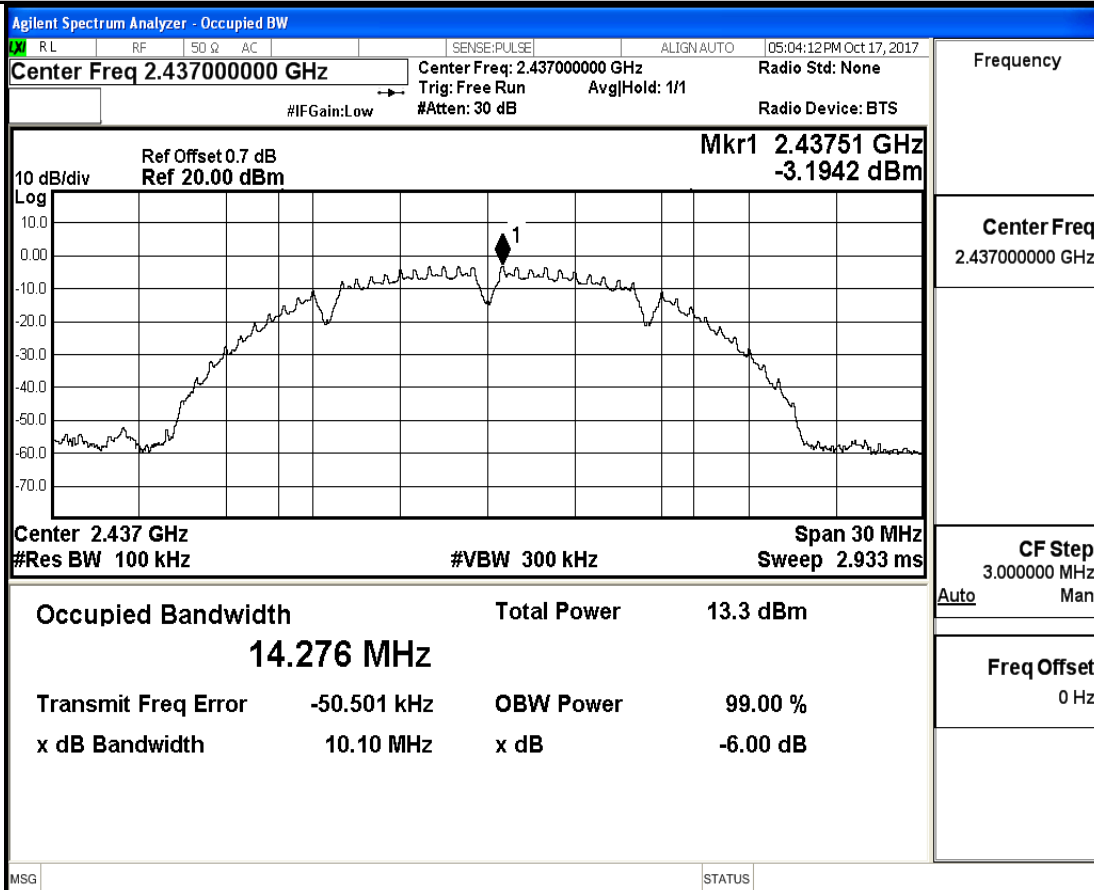
1.6dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit	Verdict
11B	2412	10.09	0.5	PASS
11B	2437	10.10	0.5	PASS
11B	2462	10.08	0.5	PASS
11G	2412	16.38	0.5	PASS
11G	2437	16.40	0.5	PASS
11G	2462	16.38	0.5	PASS
11N20	2412	17.62	0.5	PASS
11N20	2437	17.63	0.5	PASS
11N20	2462	17.61	0.5	PASS

6dB Bandwidth_11B_2412_Ant1



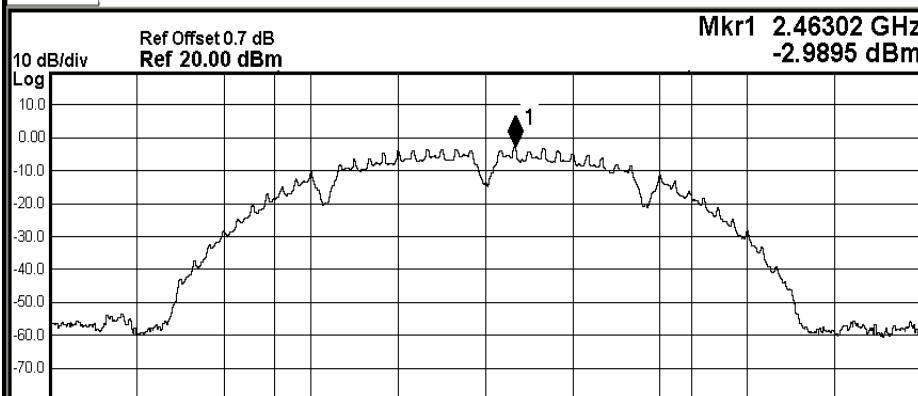
6dB Bandwidth_11B_2437_Ant1



6dB Bandwidth_11B_2462_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Radio Std: None
 #IFGain: Low Trig: Free Run Avg|Hold: 1/1 Radio Device: BTS
 #Atten: 30 dB



Center 2.462 GHz Span 30 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms

Occupied Bandwidth Total Power 13.4 dBm
14.270 MHz
 Transmit Freq Error -74.227 kHz OBW Power 99.00 %
 x dB Bandwidth 10.08 MHz x dB -6.00 dB

MSG

STATUS

Frequency

Center Freq
2.46200000 GHz

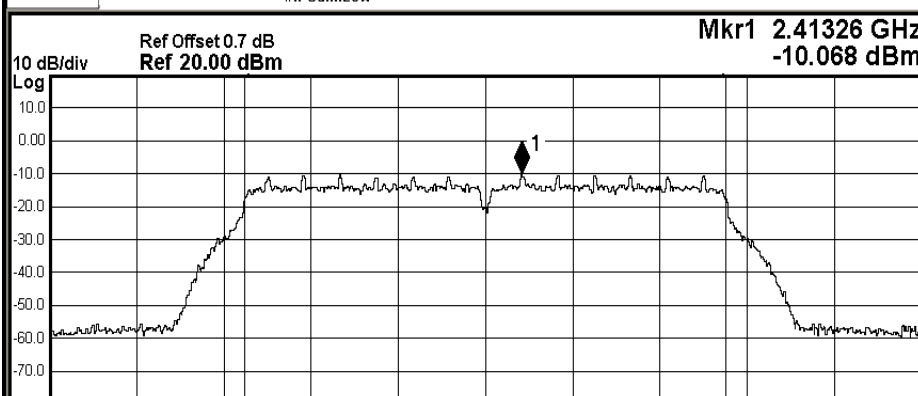
CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

6dB Bandwidth_11G_2412_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.41200000 GHz Center Freq: 2.41200000 GHz Radio Std: None
 #IFGain: Low Trig: Free Run Avg|Hold: 1/1 Radio Device: BTS
 #Atten: 30 dB



Center 2.412 GHz Span 30 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms

Occupied Bandwidth Total Power 7.94 dBm
16.496 MHz
 Transmit Freq Error -2.506 kHz OBW Power 99.00 %
 x dB Bandwidth 16.38 MHz x dB -6.00 dB

MSG

STATUS

Frequency

Center Freq
2.41200000 GHz

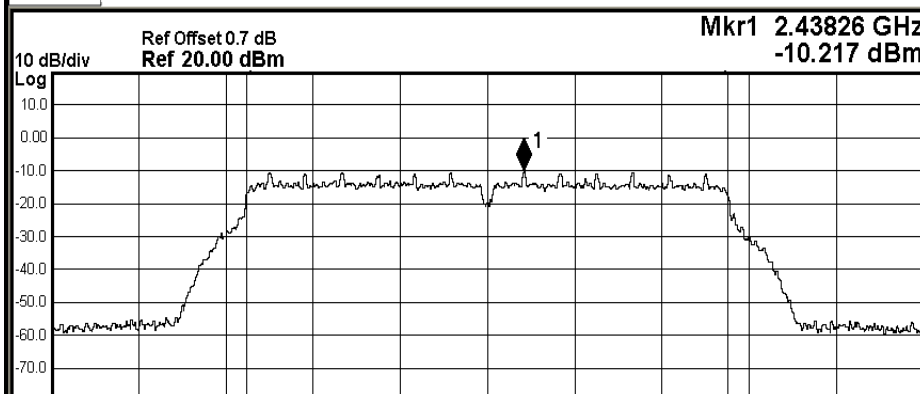
CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

6dB Bandwidth_11G_2437_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz
 #IFGain:Low
 SENSE:PULSE
 Center Freq: 2.437000000 GHz
 Trig: Free Run
 #Atten: 30 dB
 ALIGN AUTO
 Avg|Hold: 1/1
 Radio Std: None
 Radio Device: BTS



Center 2.437 GHz
 #Res BW 100 kHz
 #VBW 300 kHz
 Span 30 MHz
 Sweep 2.933 ms

Occupied Bandwidth
16.504 MHz
 Total Power 7.80 dBm
 Transmit Freq Error -6.875 kHz
 x dB Bandwidth 16.40 MHz
 OBW Power 99.00 %
 x dB -6.00 dB

Frequency

Center Freq
 2.437000000 GHz

CF Step
 3.000000 MHz
 Auto Man

Freq Offset
 0 Hz

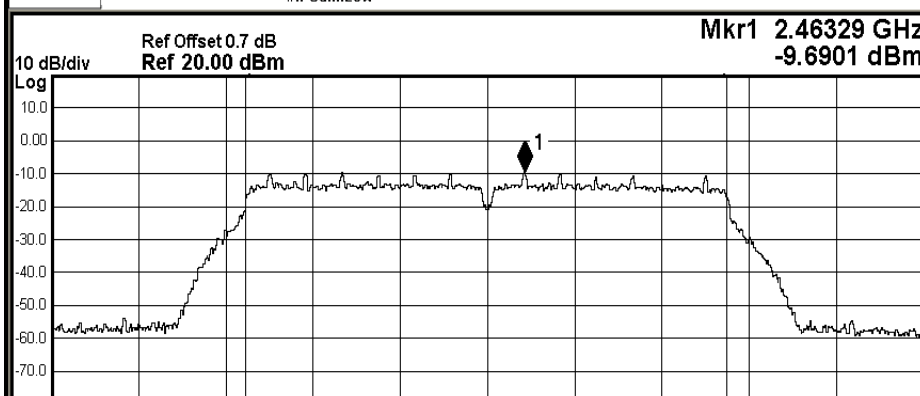
MSG

STATUS

6dB Bandwidth_11G_2462_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.462000000 GHz
 #IFGain:Low
 SENSE:PULSE
 Center Freq: 2.462000000 GHz
 Trig: Free Run
 #Atten: 30 dB
 ALIGN AUTO
 Avg|Hold: 1/1
 Radio Std: None
 Radio Device: BTS



Center 2.462 GHz
 #Res BW 100 kHz
 #VBW 300 kHz
 Span 30 MHz
 Sweep 2.933 ms

Occupied Bandwidth
16.501 MHz
 Total Power 8.26 dBm
 Transmit Freq Error -24.742 kHz
 x dB Bandwidth 16.38 MHz
 OBW Power 99.00 %
 x dB -6.00 dB

Frequency

Center Freq
 2.462000000 GHz

CF Step
 3.000000 MHz
 Auto Man

Freq Offset
 0 Hz

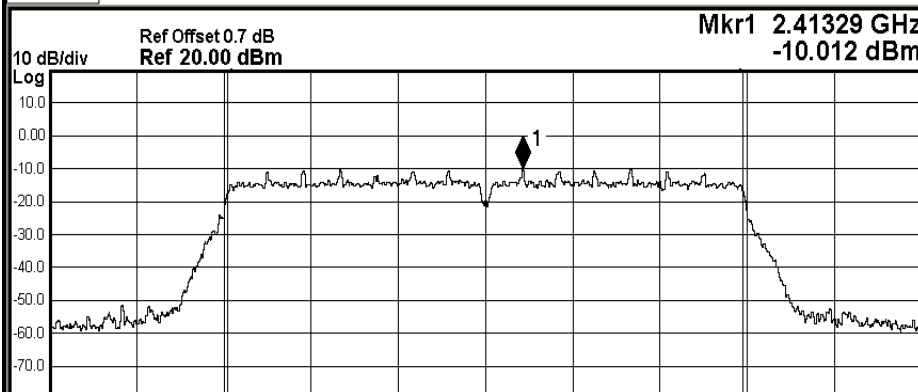
MSG

STATUS

6dB Bandwidth_11N20SISO_2412_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.412000000 GHz
 #IFGain:Low
 SENSE:PULSE
 Center Freq: 2.412000000 GHz
 Trig: Free Run
 #Atten: 30 dB
 ALIGN AUTO
 Radio Std: None
 Avg|Hold: 1/1
 Radio Device: BTS



Center 2.412 GHz
 #Res BW 100 kHz
 #VBW 300 kHz
 Span 30 MHz
 Sweep 2.933 ms

Occupied Bandwidth
17.646 MHz
 Total Power 8.02 dBm
 Transmit Freq Error 6.102 kHz
 OBW Power 99.00 %
 x dB Bandwidth 17.62 MHz
 x dB -6.00 dB

Frequency

Center Freq
 2.412000000 GHz

CF Step
 3.000000 MHz
 Auto Man

Freq Offset
 0 Hz

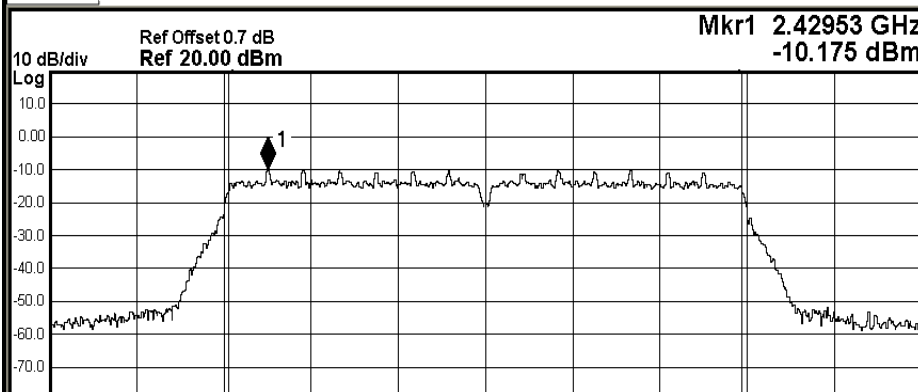
MSG

STATUS

6dB Bandwidth_11N20SISO_2437_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz
 #IFGain:Low
 SENSE:PULSE
 Center Freq: 2.437000000 GHz
 Trig: Free Run
 #Atten: 30 dB
 ALIGN AUTO
 Radio Std: None
 Avg|Hold: 1/1
 Radio Device: BTS



Center 2.437 GHz
 #Res BW 100 kHz
 #VBW 300 kHz
 Span 30 MHz
 Sweep 2.933 ms

Occupied Bandwidth
17.646 MHz
 Total Power 8.32 dBm
 Transmit Freq Error -2.941 kHz
 OBW Power 99.00 %
 x dB Bandwidth 17.63 MHz
 x dB -6.00 dB

Frequency

Center Freq
 2.437000000 GHz

CF Step
 3.000000 MHz
 Auto Man

Freq Offset
 0 Hz

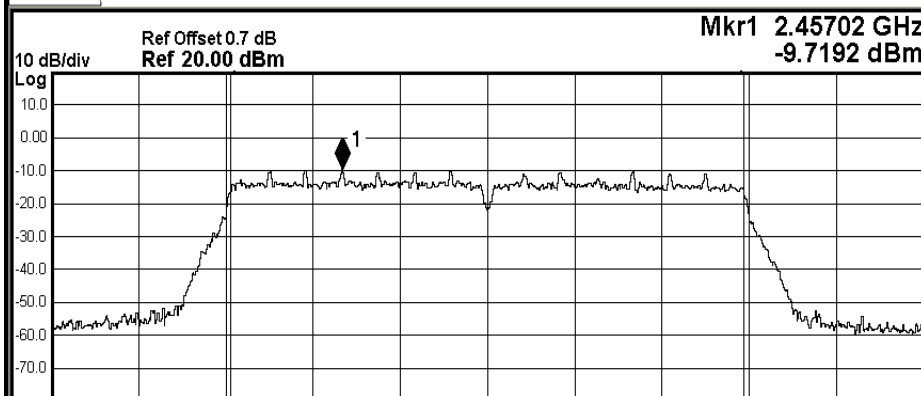
MSG

STATUS

6dB Bandwidth_11N20SISO_2462_Ant1

Agilent Spectrum Analyzer - Occupied BW

☒ RL RF 50 Ω AC SENSE:PULSE ALIGN: AUTO 05:11:22 PM Oct 17, 2017
Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None
 #IF Gain: Low Trig: Free Run Avg|Hold: 1/1 Radio Device: BTS
 #Atten: 30 dB



Center 2.462 GHz Span 30 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms

Occupied Bandwidth		Total Power	
17.635 MHz		8.20 dBm	
Transmit Freq Error	-15.161 kHz	OBW Power	99.00 %
x dB Bandwidth	17.61 MHz	x dB	-6.00 dB

Frequency

Center Freq
 2.462000000 GHz

CF Step
 3.000000 MHz
 Auto Man

Freq Offset
 0 Hz

MSG

STATUS

2.Occupied Bandwidth

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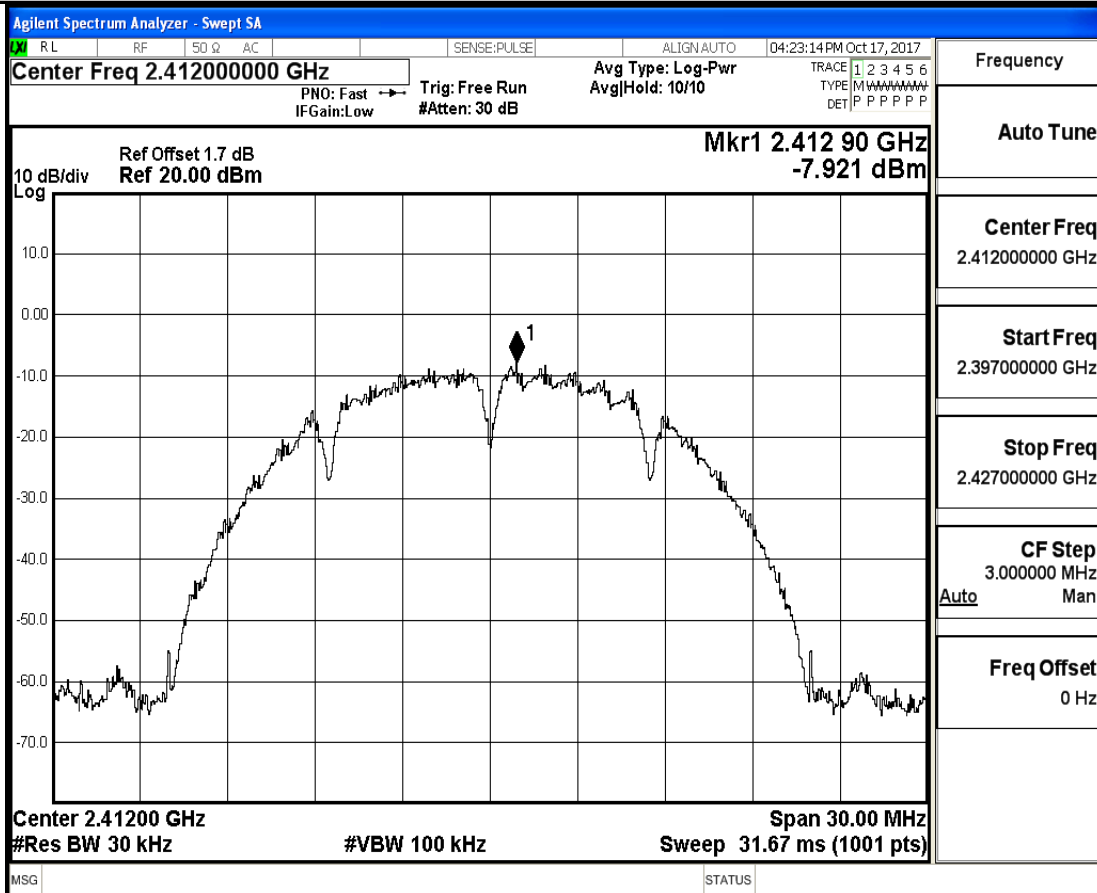
3.Maximum peak conducted output power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
11B	2412	8.40	30	PASS
11B	2437	8.53	30	PASS
11B	2462	8.61	30	PASS
11G	2412	8.83	30	PASS
11G	2437	8.77	30	PASS
11G	2462	9.14	30	PASS
11N20	2412	8.91	30	PASS
11N20	2437	9.17	30	PASS
11N20	2462	9.17	30	PASS

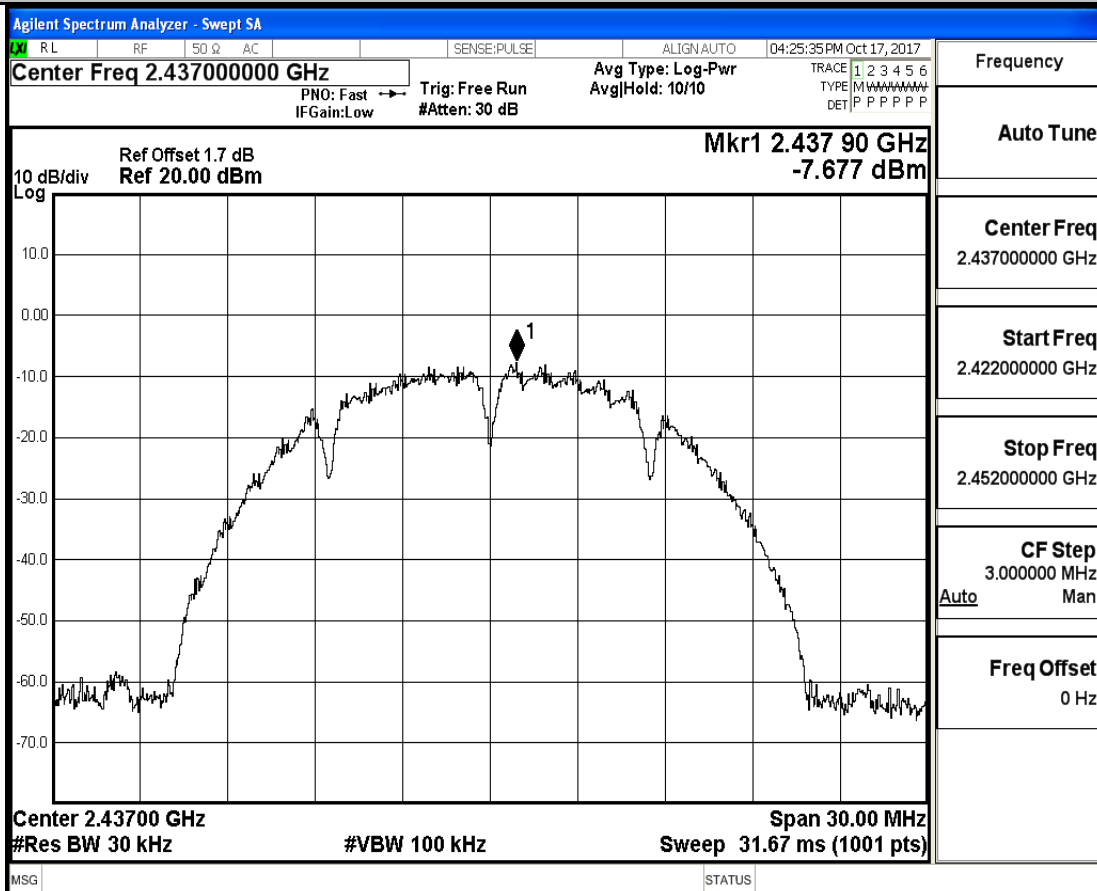
4.Maximum Peak power spectral density

Test Mode	Test Channel	Measured Peak Power Spectral Density (dBm/30KHz)	Limits (dBm/3KHz)	Verdict
11B	2412	-7.921	8.00	PASS
11B	2437	-7.677	8.00	PASS
11B	2462	-7.519	8.00	PASS
11G	2412	-9.822	8.00	PASS
11G	2437	-9.196	8.00	PASS
11G	2462	-8.701	8.00	PASS
11N20	2412	-9.654	8.00	PASS
11N20	2437	-9.024	8.00	PASS
11N20	2462	-8.862	8.00	PASS

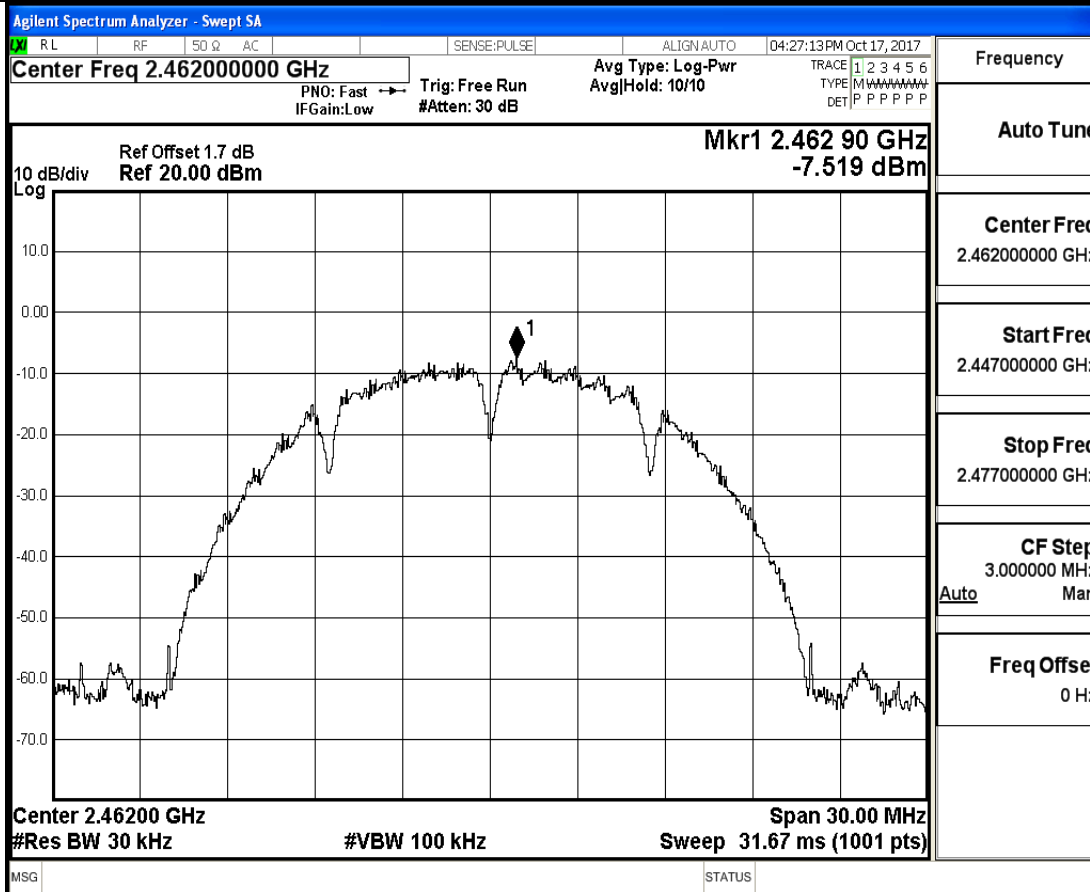
Maximum Peak power spectral density_11B_2412_Ant1



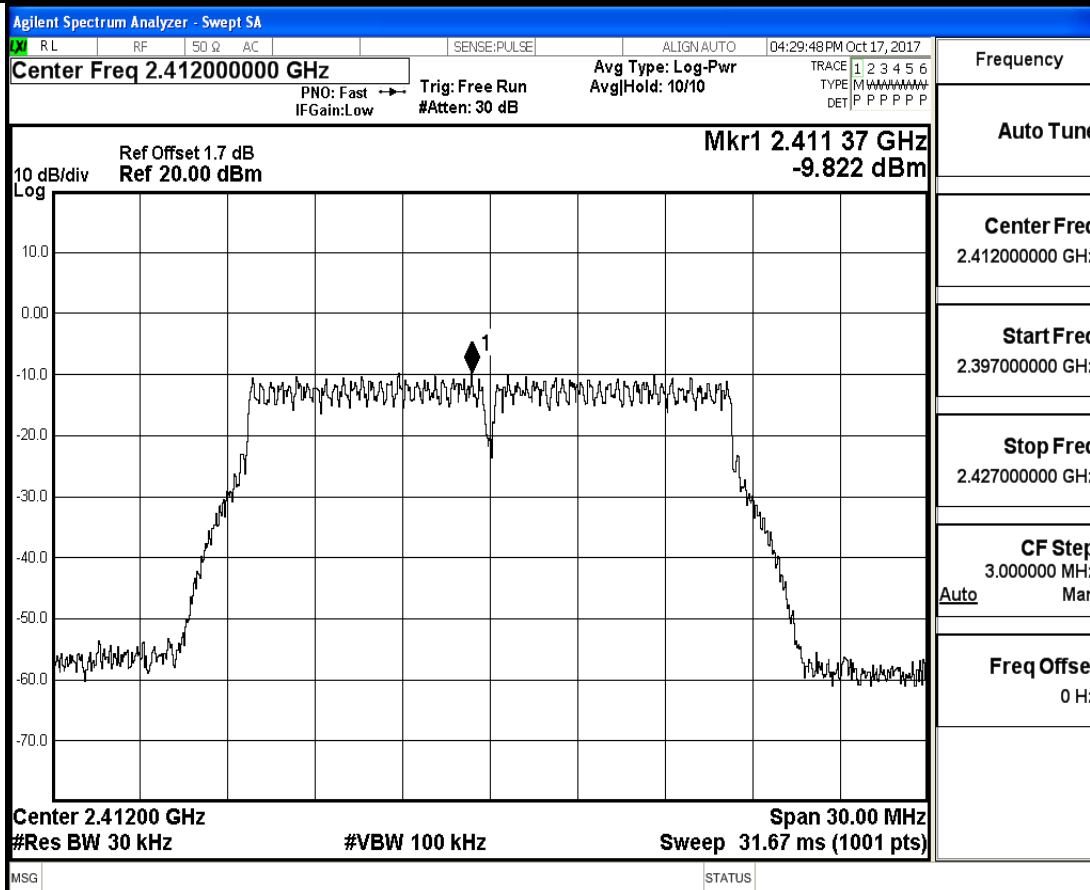
Maximum Peak power spectral density_11B_2437_Ant1



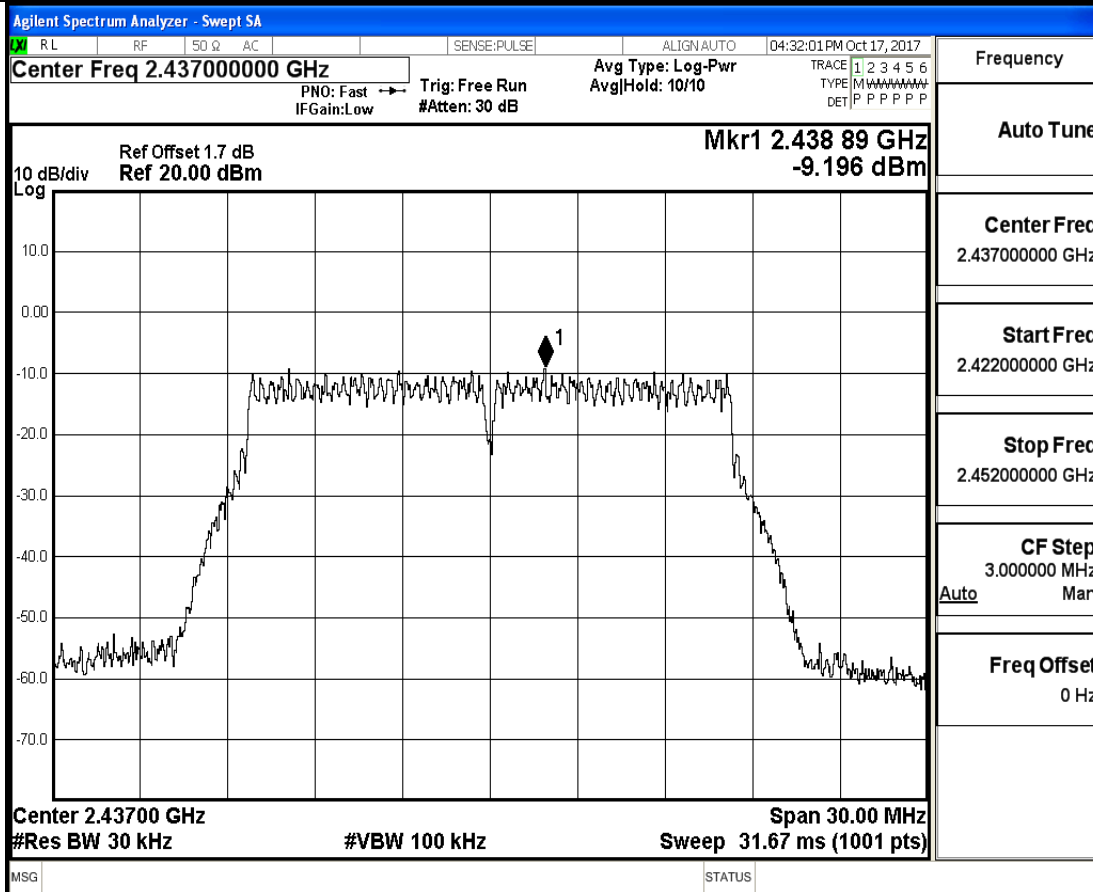
Maximum Peak power spectral density_11B_2462_Ant1



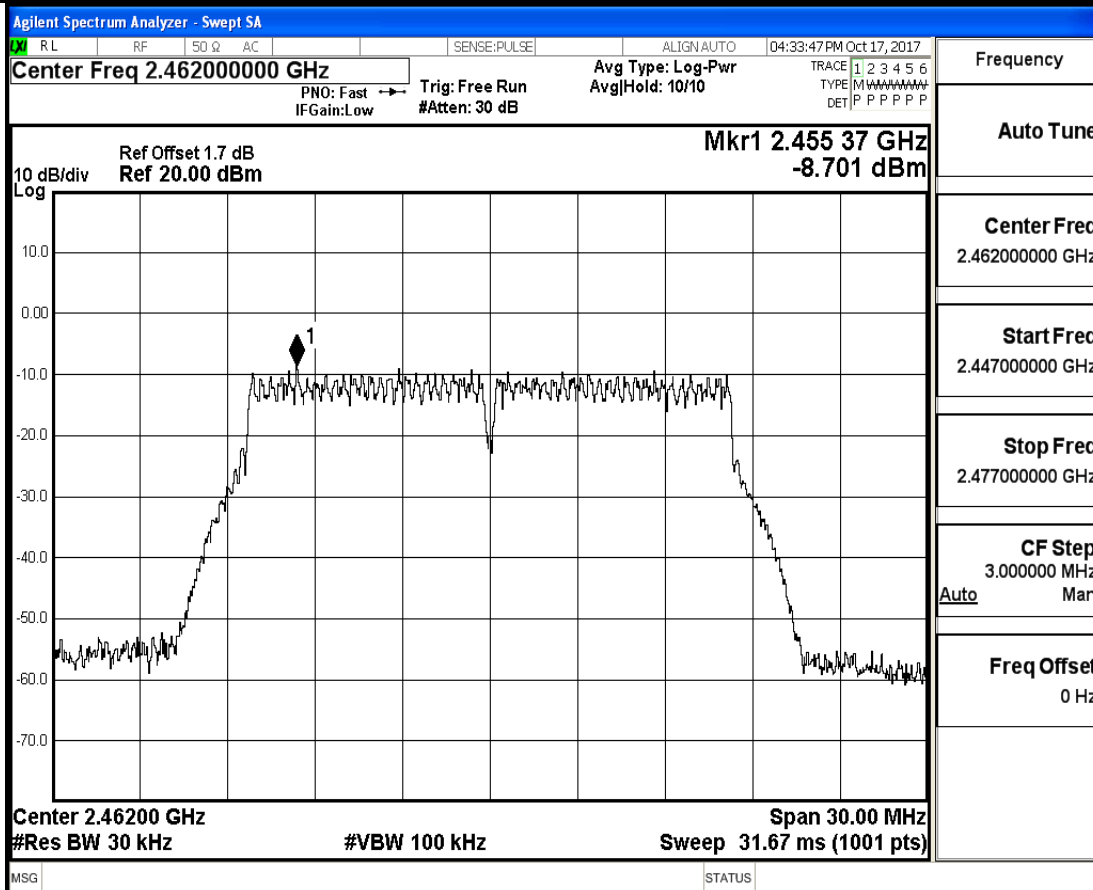
Maximum Peak power spectral density_11G_2412_Ant1



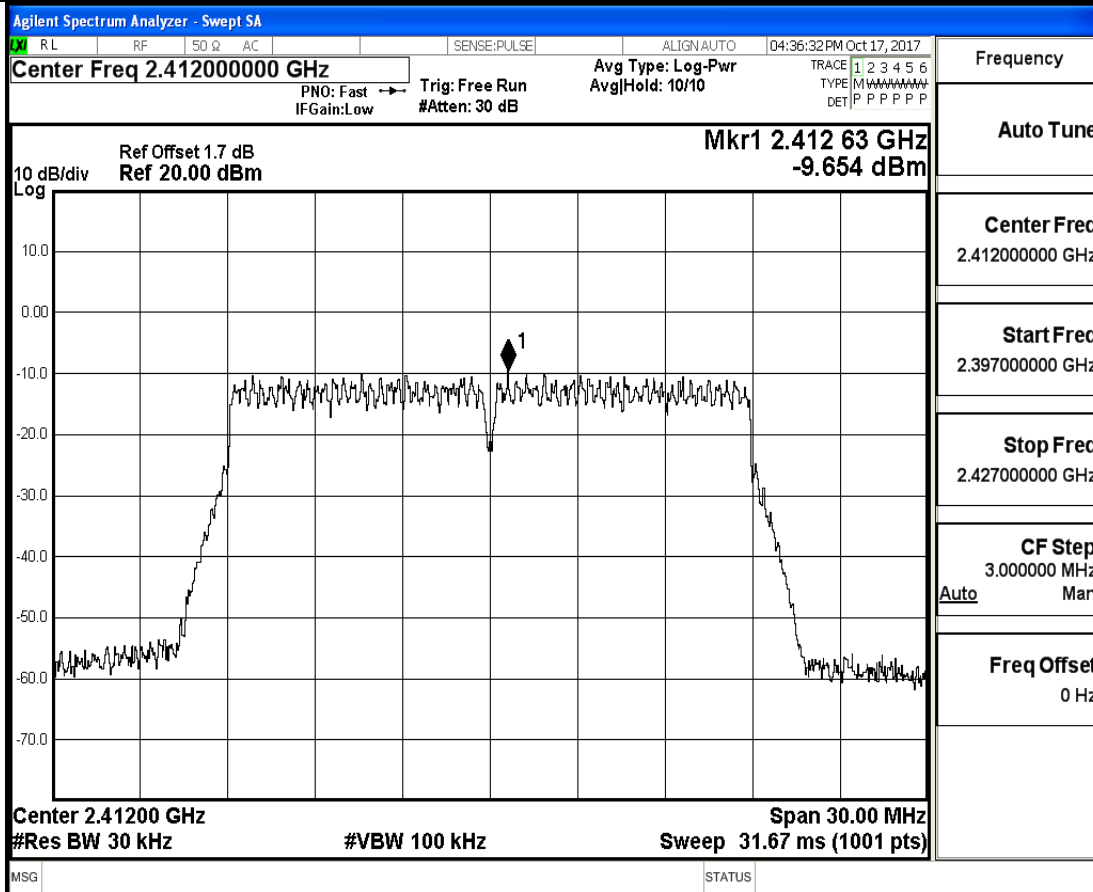
Maximum Peak power spectral density_11G_2437_Ant1



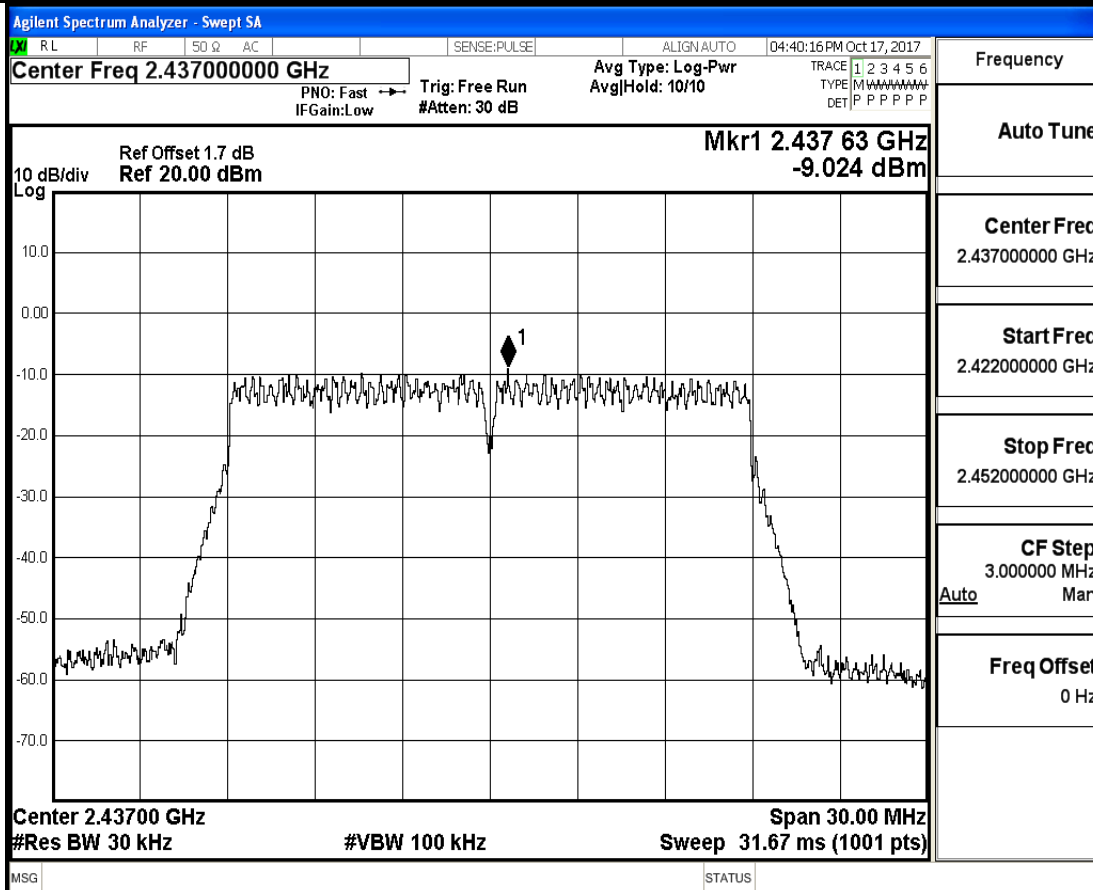
Maximum Peak power spectral density_11G_2462_Ant1



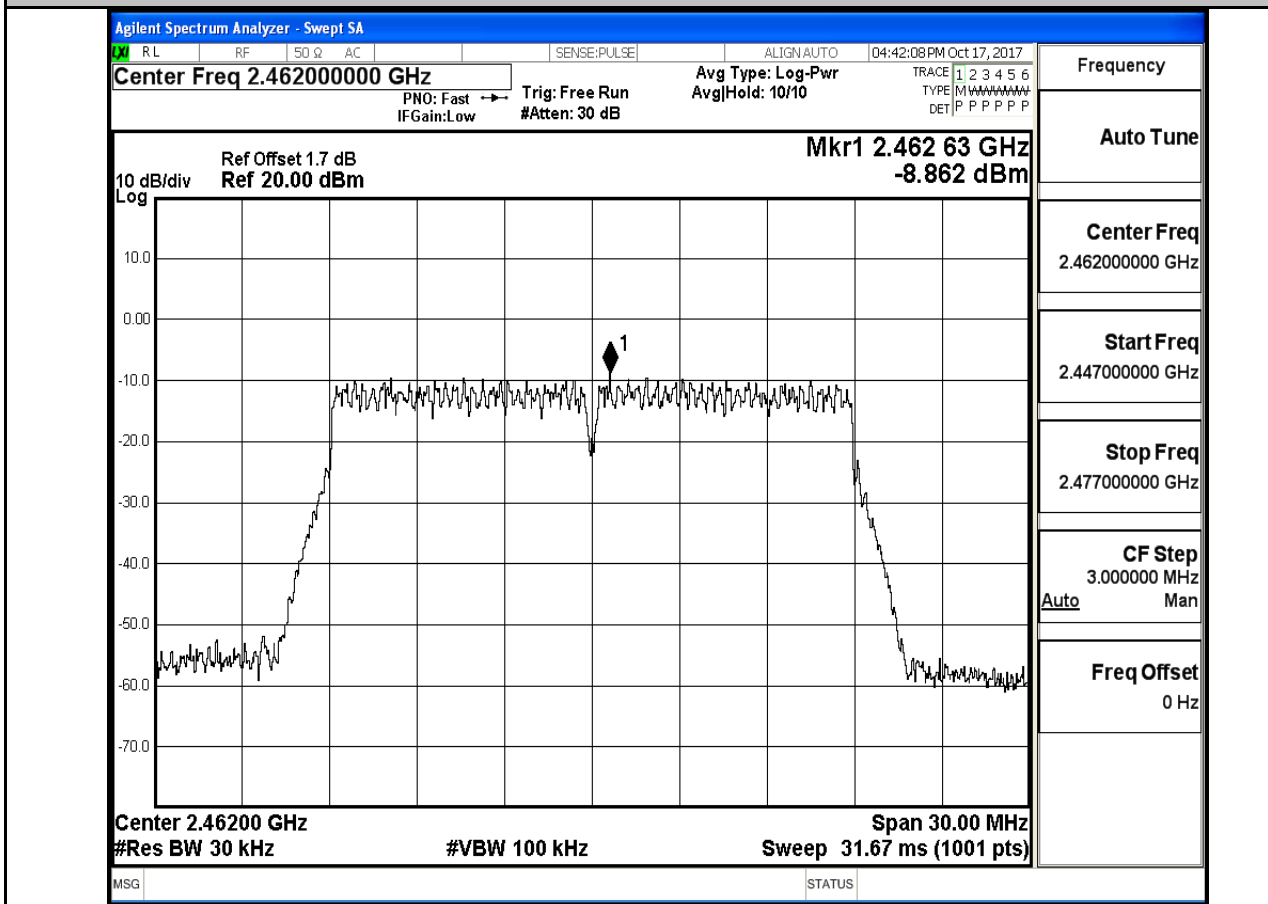
Maximum Peak power spectral density_11N20_2412_Ant1



Maximum Peak power spectral density_11N20_2437_Ant1



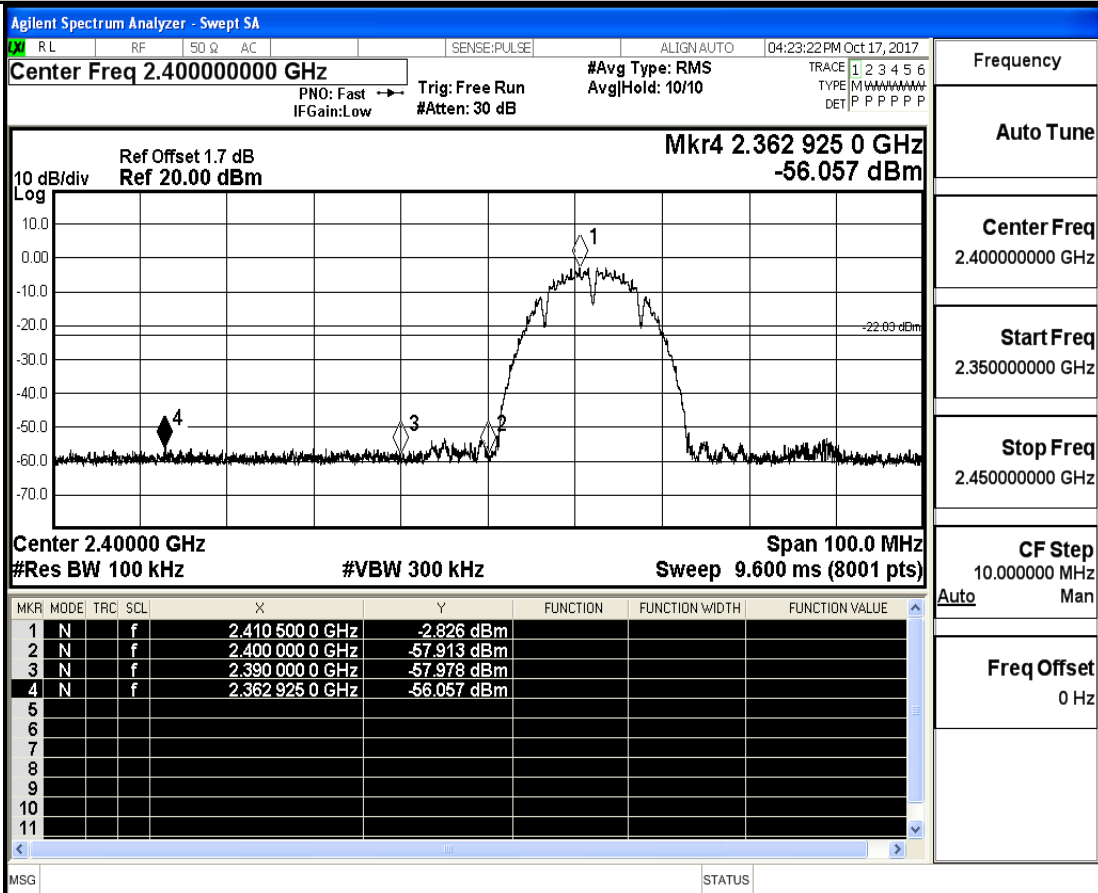
Maximum Peak power spectral density_11N20_2462_Ant1



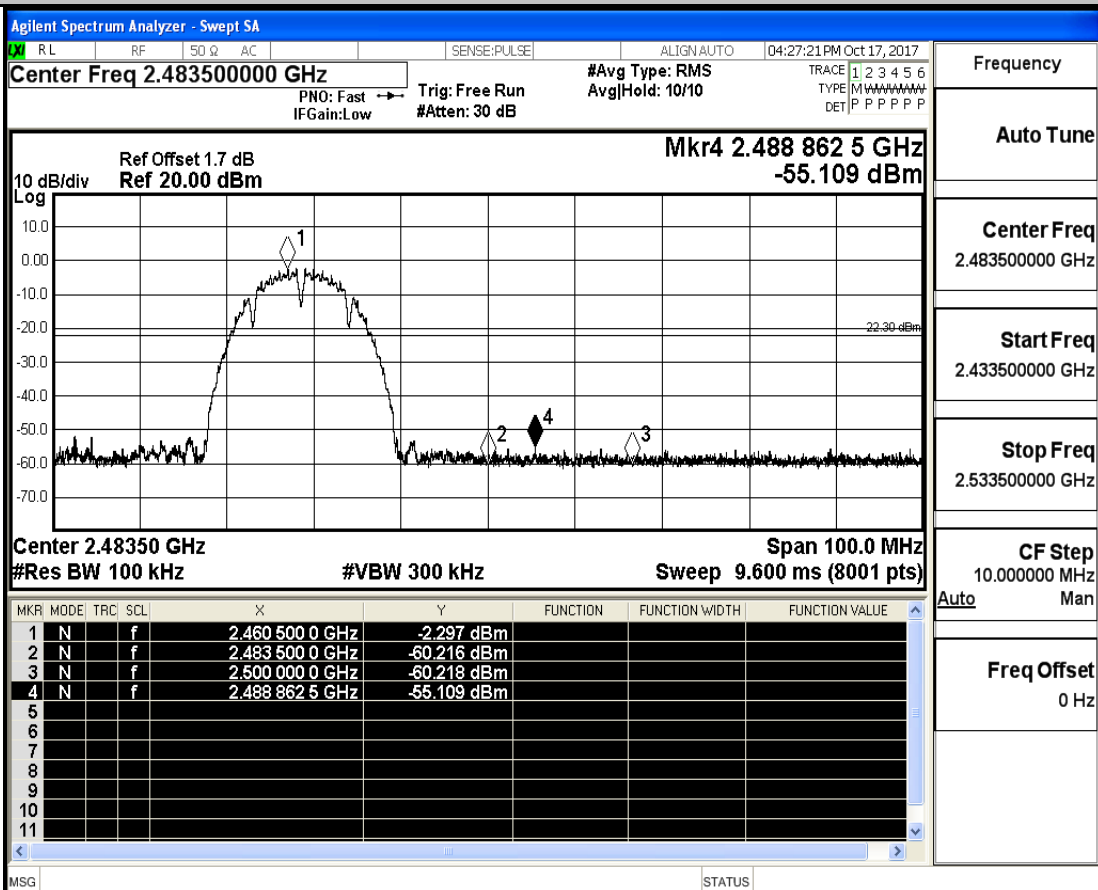
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	-2.826	-56.057	-22.83	PASS
11B	2462	Ant1	-2.297	-55.109	-22.3	PASS
11G	2412	Ant1	-6.937	-52.799	-26.94	PASS
11G	2462	Ant1	-6.300	-51.381	-26.3	PASS
11N20	2412	Ant1	-6.731	-53.460	-26.73	PASS
11N20	2462	Ant1	-6.512	-52.646	-26.51	PASS

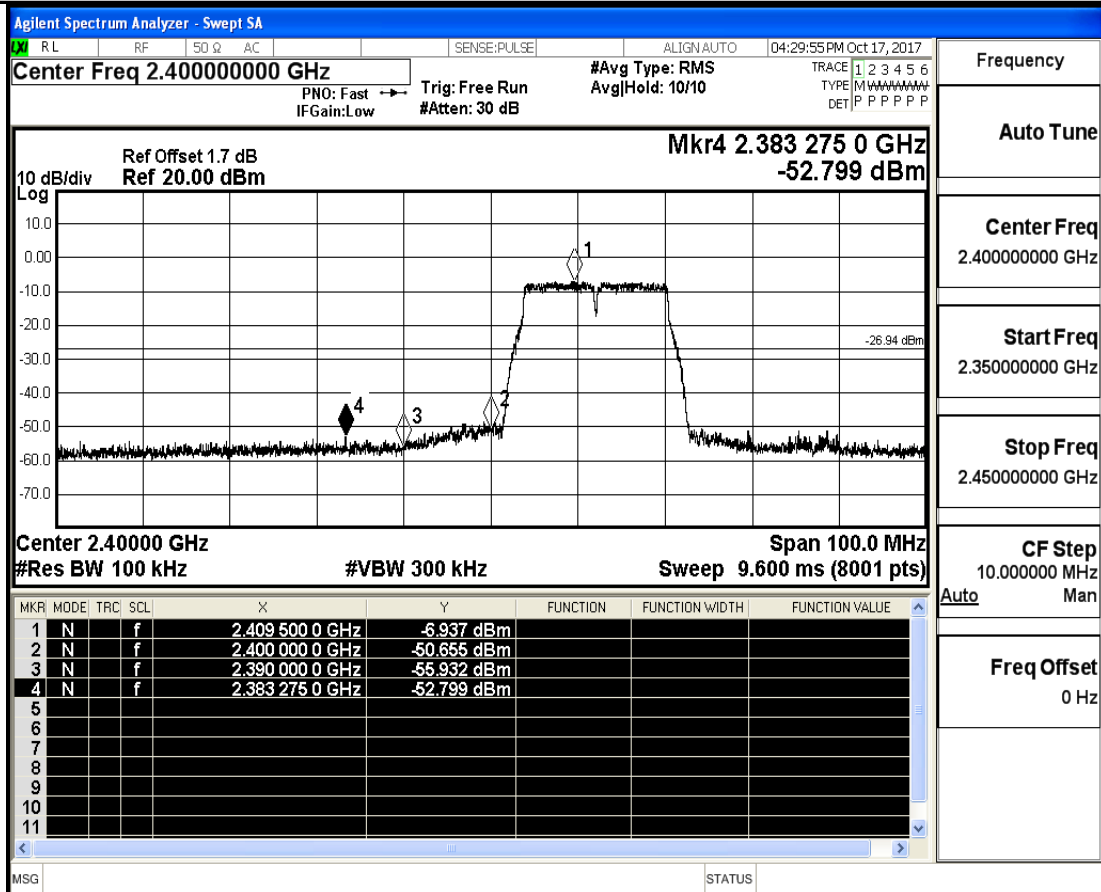
Band-edge for RF Conducted Emissions_11B_2412_Ant1



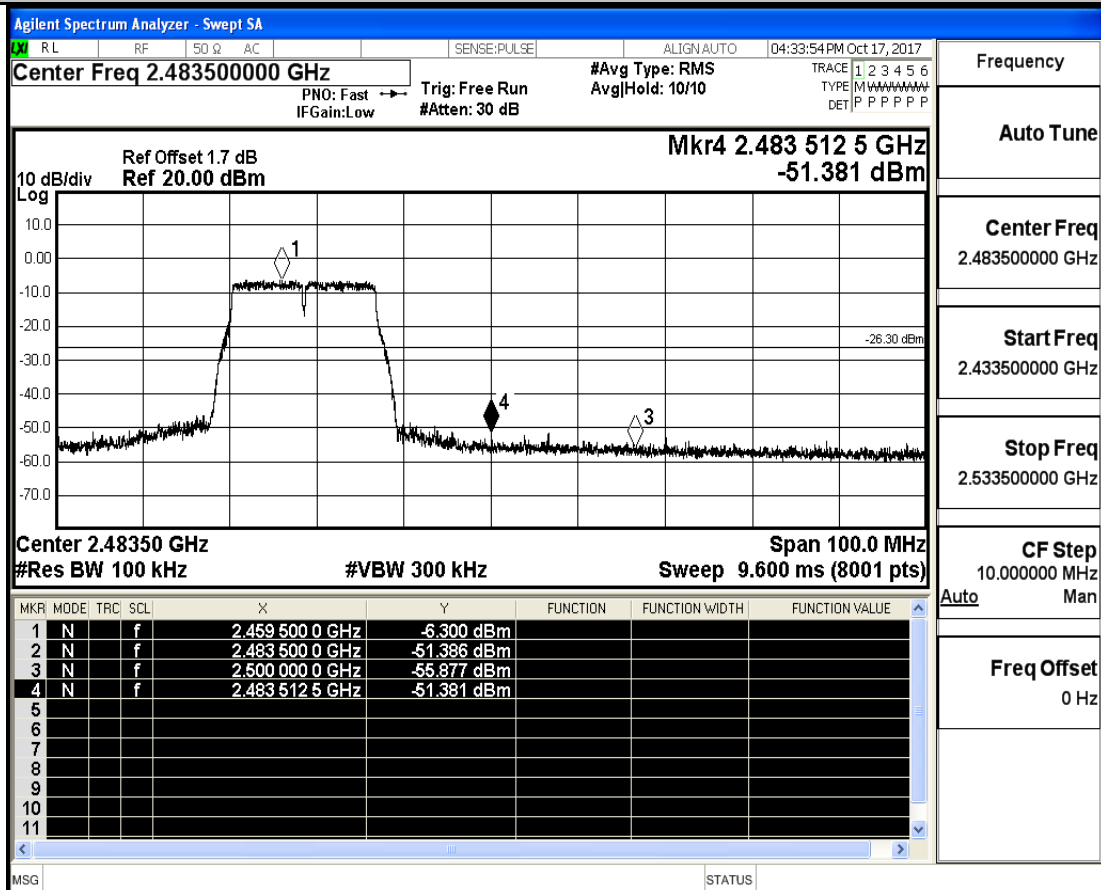
Band-edge for RF Conducted Emissions_11B_2462_Ant1



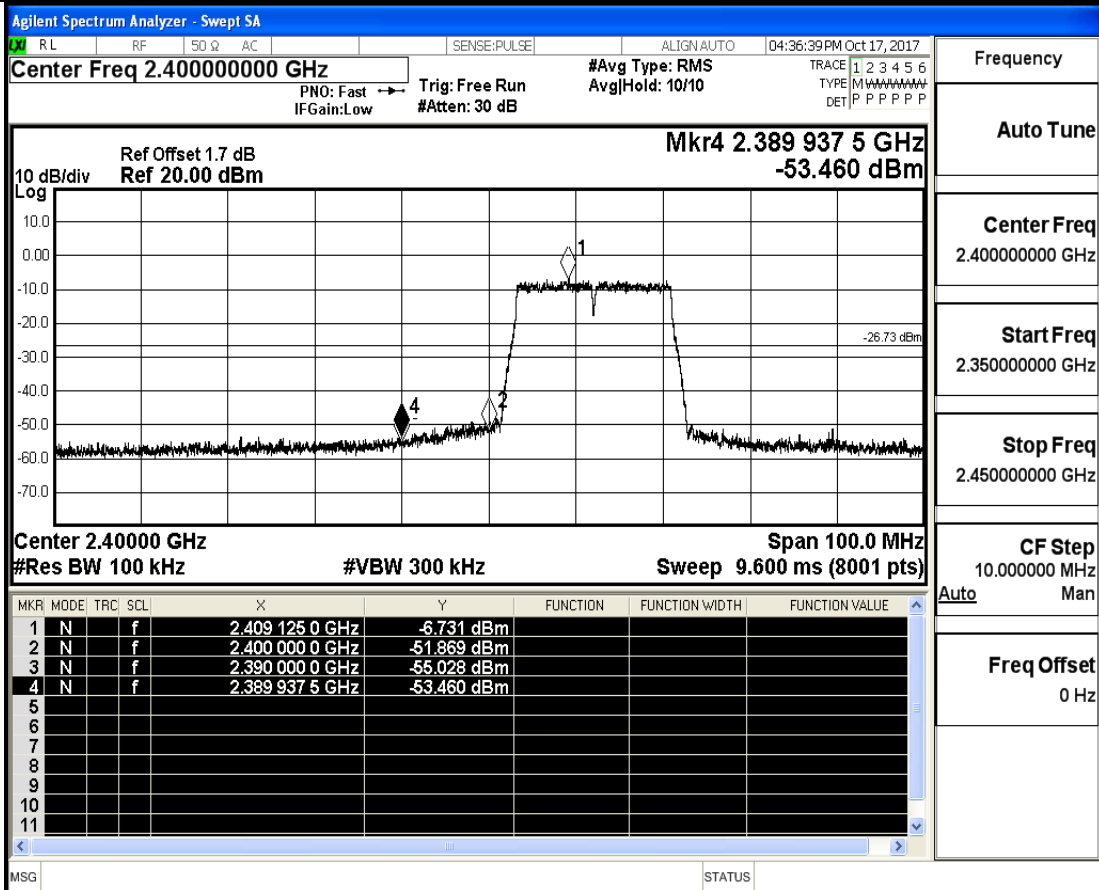
Band-edge for RF Conducted Emissions	11G	2412	Ant1
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Band-edge for RF Conducted Emissions 11G 2462 Ant1



Band-edge for RF Conducted Emissions_11N20_2412_Ant1



Frequency

Auto Tune

Center Freq
2.400000000 GHz

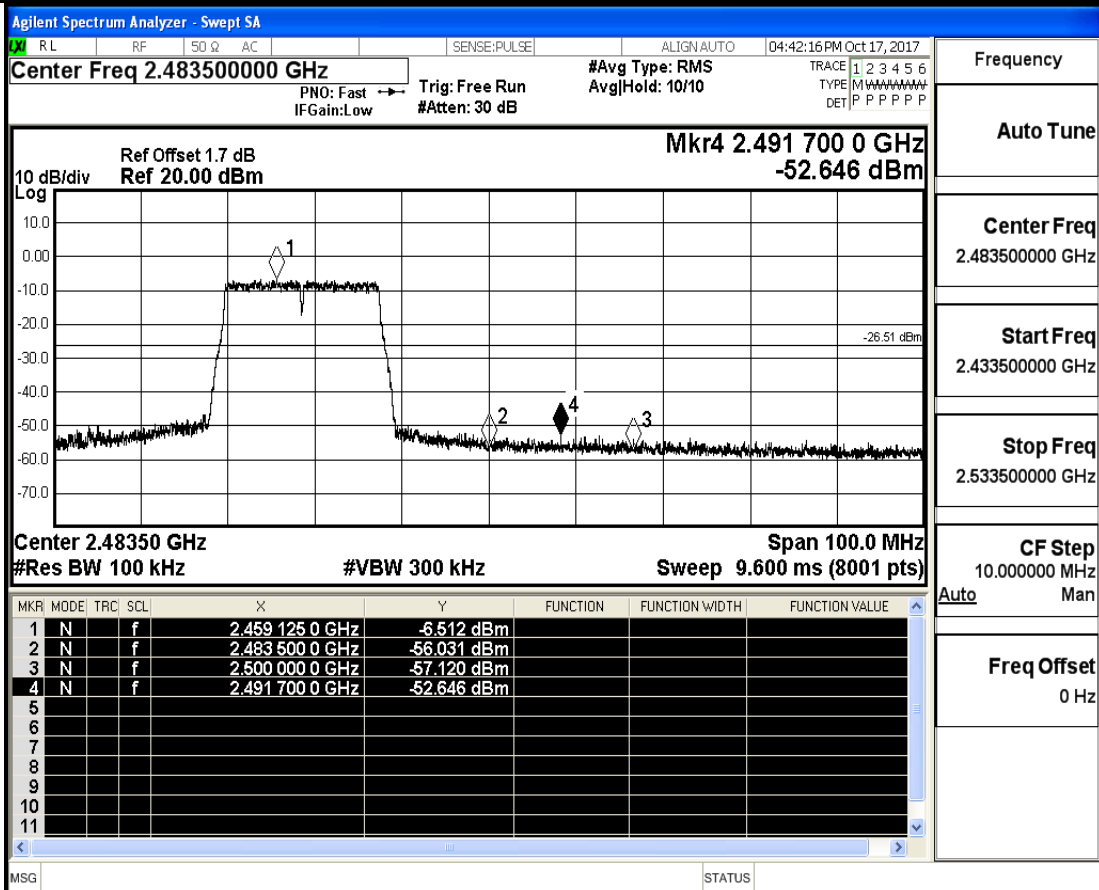
Start Freq
2.350000000 GHz

Stop Freq
2.450000000 GHz

CF Step
10.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_11N20_2462_Ant1



Frequency

Auto Tune

Center Freq
2.483500000 GHz

Start Freq
2.435000000 GHz

Stop Freq
2.535000000 GHz

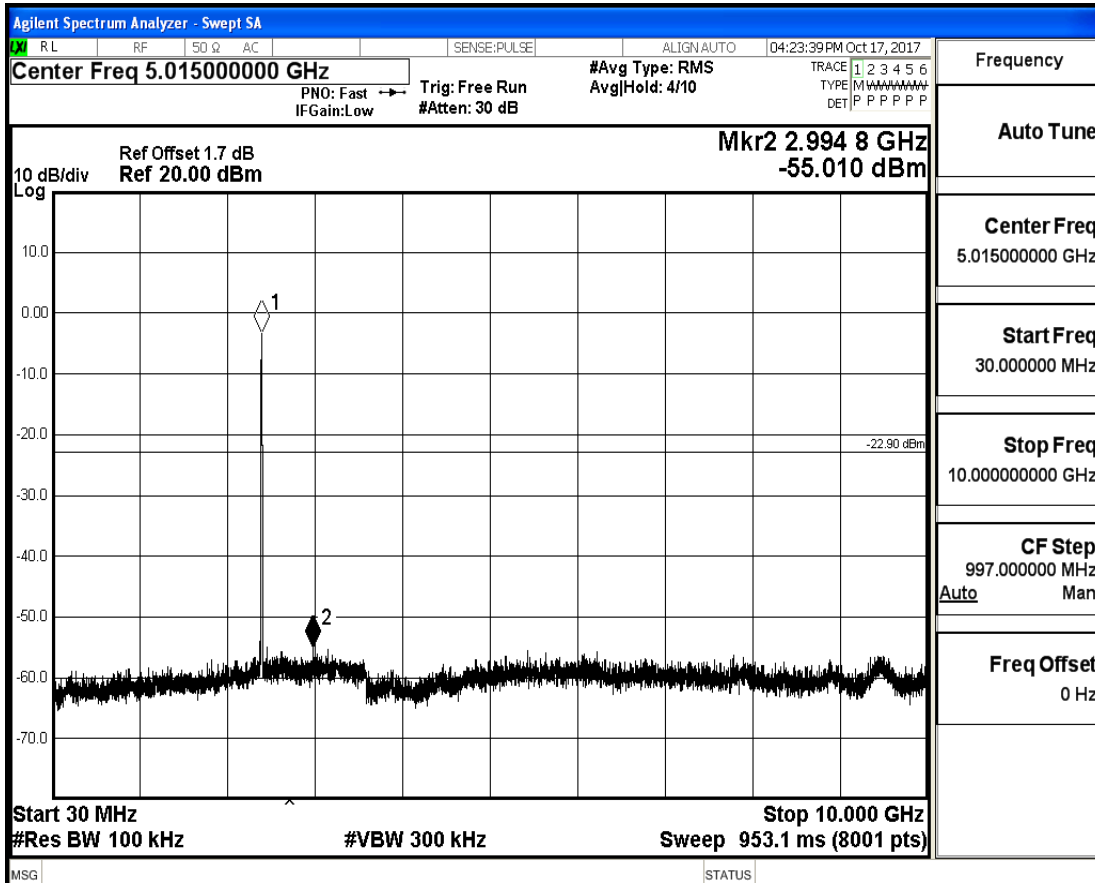
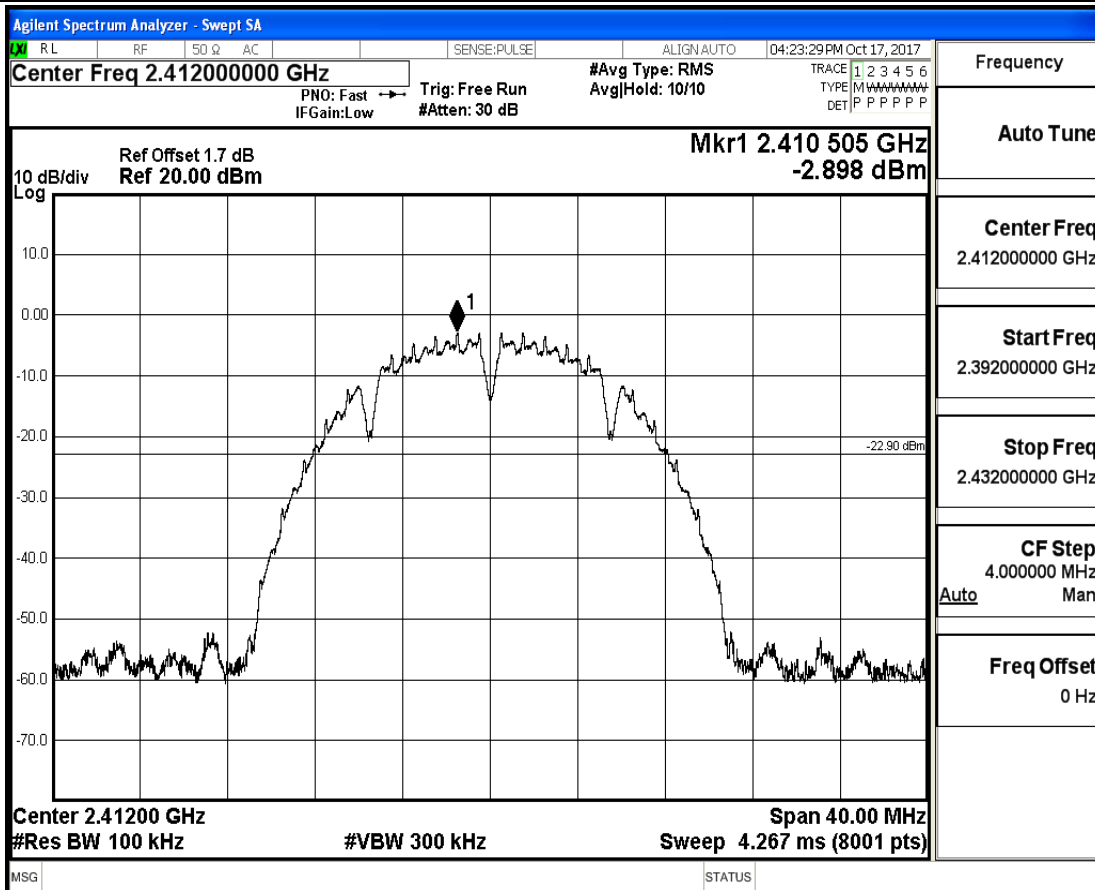
CF Step
10.000000 MHz
Auto Man

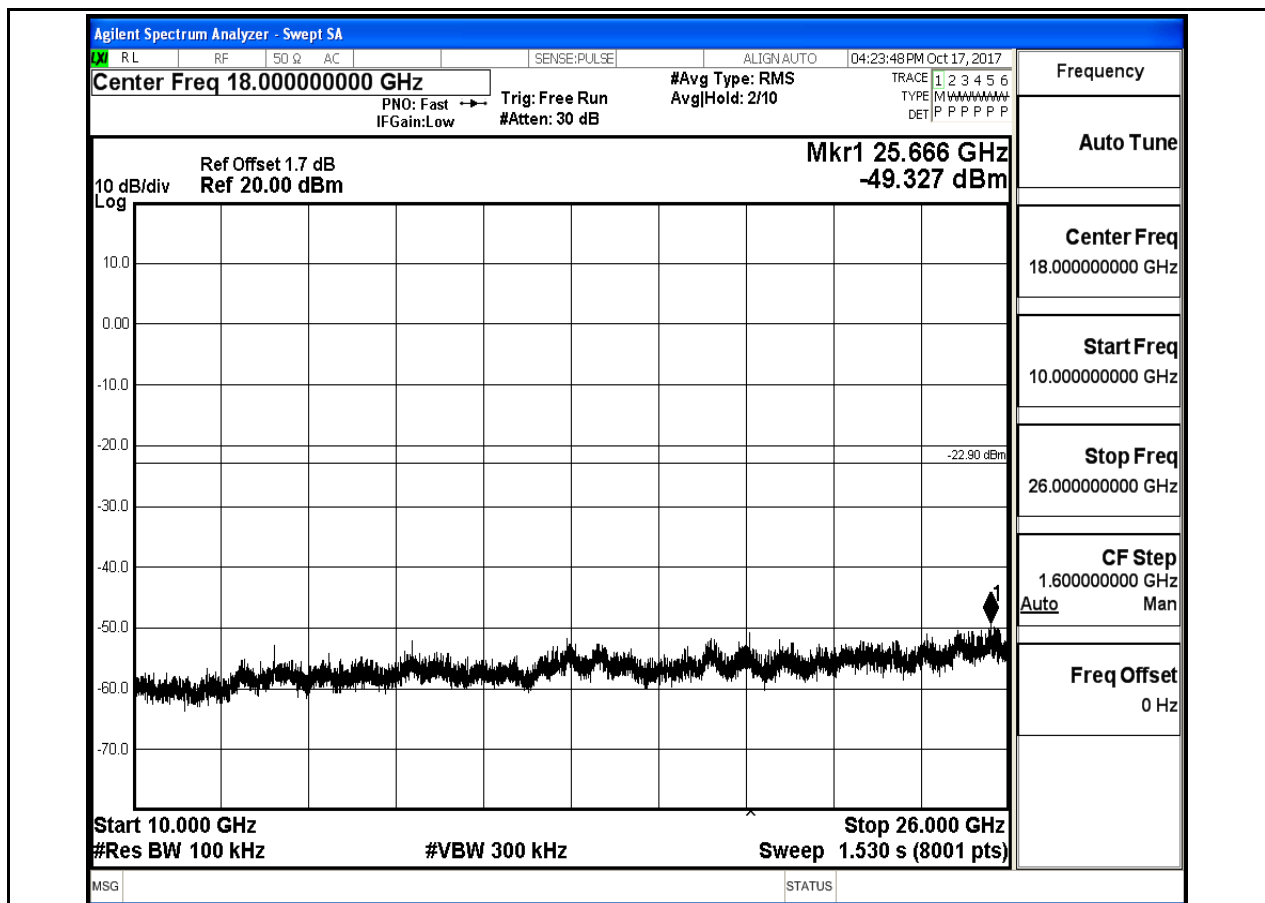
Freq Offset
0 Hz

6.RF Conducted Spurious Emissions

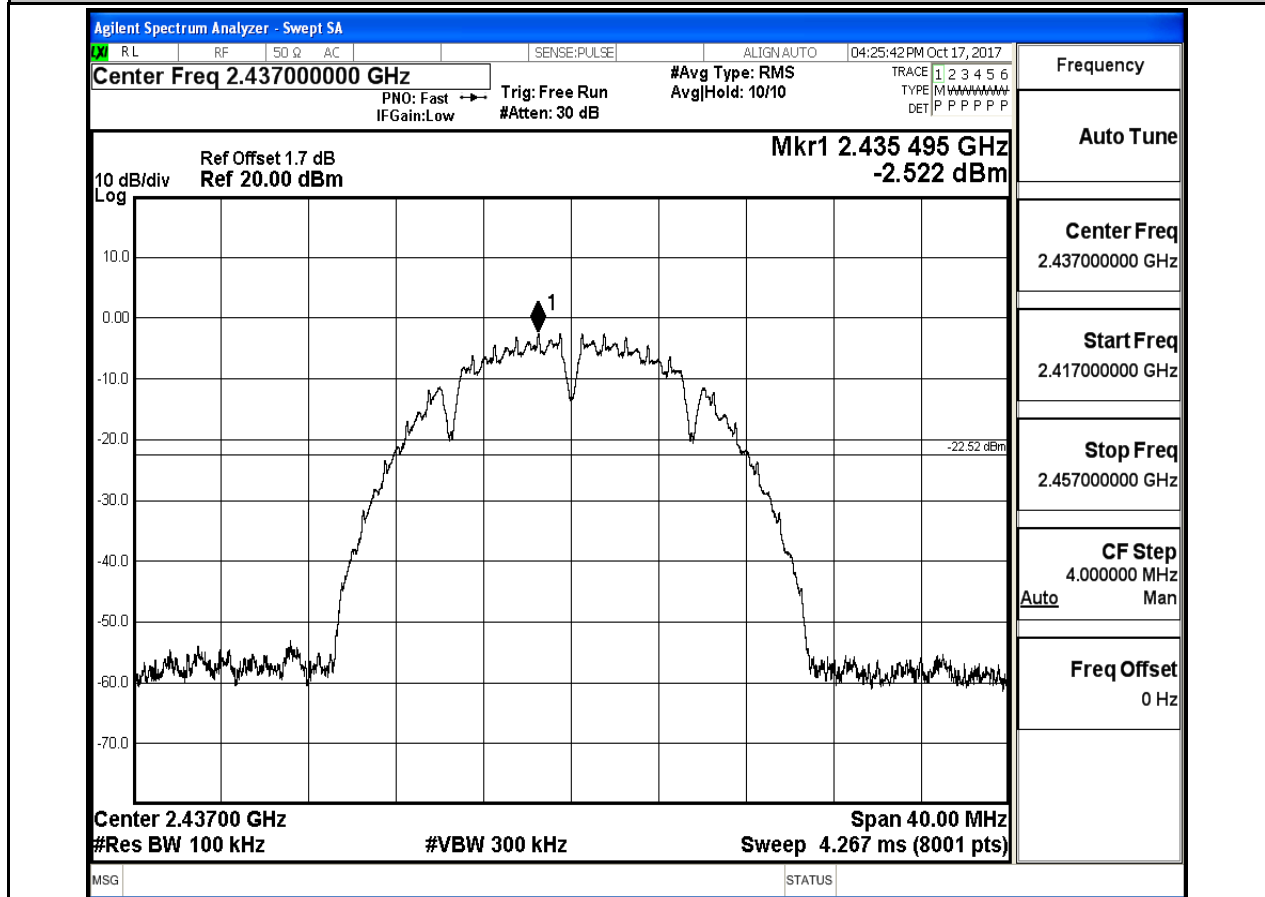
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	-2.898	-55.010	<- 22.898	PASS
11B	2412	Ant1	10000	26000	100	300	-2.898	-49.327	<- 22.898	PASS
11B	2437	Ant1	30	10000	100	300	-2.522	-54.879	<- 22.522	PASS
11B	2437	Ant1	10000	26000	100	300	-2.522	-49.195	<- 22.522	PASS
11B	2462	Ant1	30	10000	100	300	-2.366	-55.034	<- 22.366	PASS
11B	2462	Ant1	10000	26000	100	300	-2.366	-49.669	<- 22.366	PASS
11G	2412	Ant1	30	10000	100	300	-6.934	-55.285	<- 26.934	PASS
11G	2412	Ant1	10000	26000	100	300	-6.934	-50.141	<- 26.934	PASS
11G	2437	Ant1	30	10000	100	300	-6.773	-55.192	<- 26.773	PASS
11G	2437	Ant1	10000	26000	100	300	-6.773	-49.323	<- 26.773	PASS
11G	2462	Ant1	30	10000	100	300	-6.367	-55.181	<- 26.367	PASS
11G	2462	Ant1	10000	26000	100	300	-6.367	-49.570	<- 26.367	PASS
11N20	2412	Ant1	30	10000	100	300	-6.804	-55.517	<- 26.804	PASS
11N20	2412	Ant1	10000	26000	100	300	-6.804	-49.490	<- 26.804	PASS
11N20	2437	Ant1	30	10000	100	300	-6.264	-54.996	<- 26.264	PASS
11N20	2437	Ant1	10000	26000	100	300	-6.264	-49.587	<- 26.264	PASS
11N20	2462	Ant1	30	10000	100	300	-6.236	-55.185	<- 26.236	PASS
11N20	2462	Ant1	10000	26000	100	300	-6.236	-49.927	<- 26.236	PASS

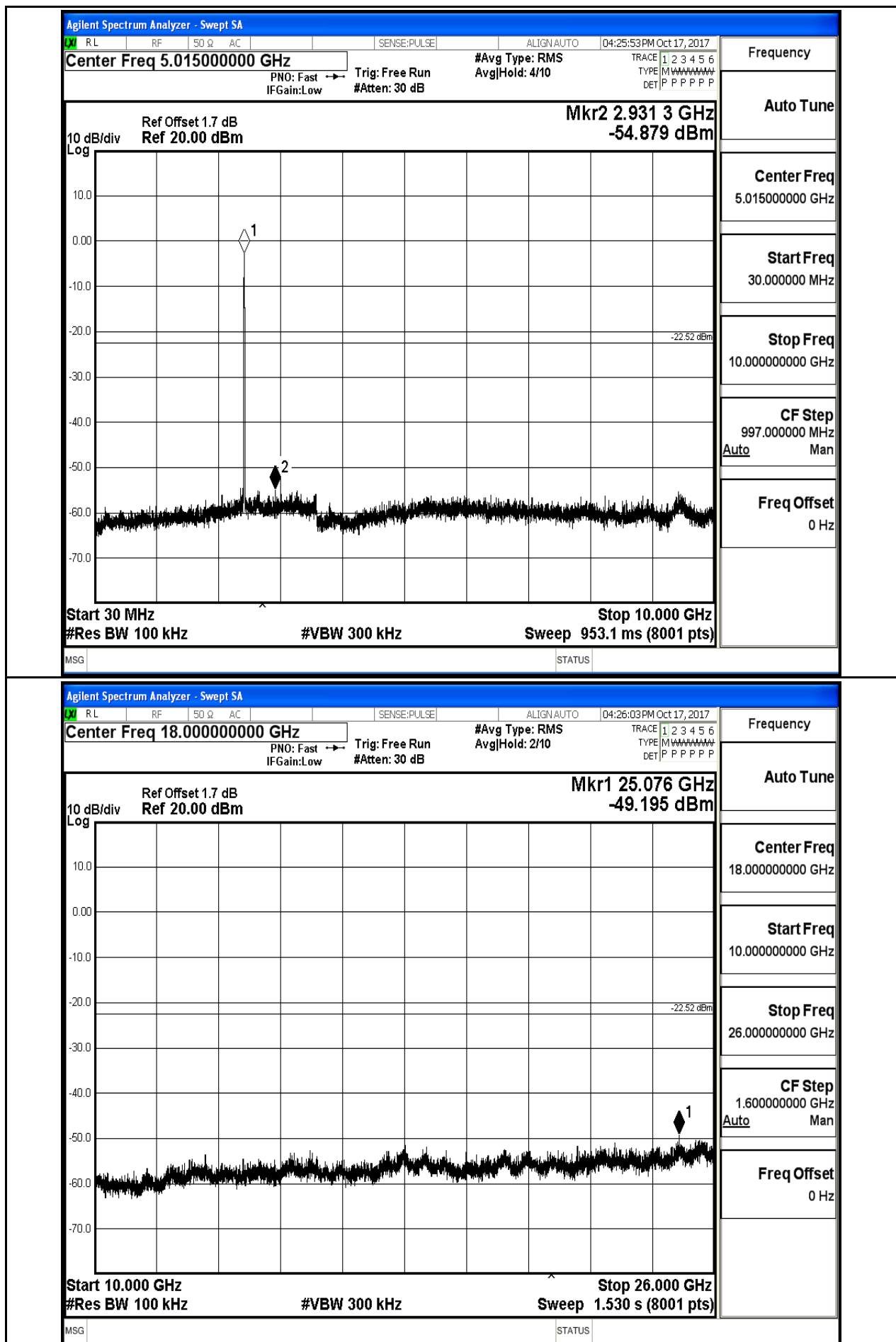
RF Conducted Spurious Emissions_11B_2412_Ant1



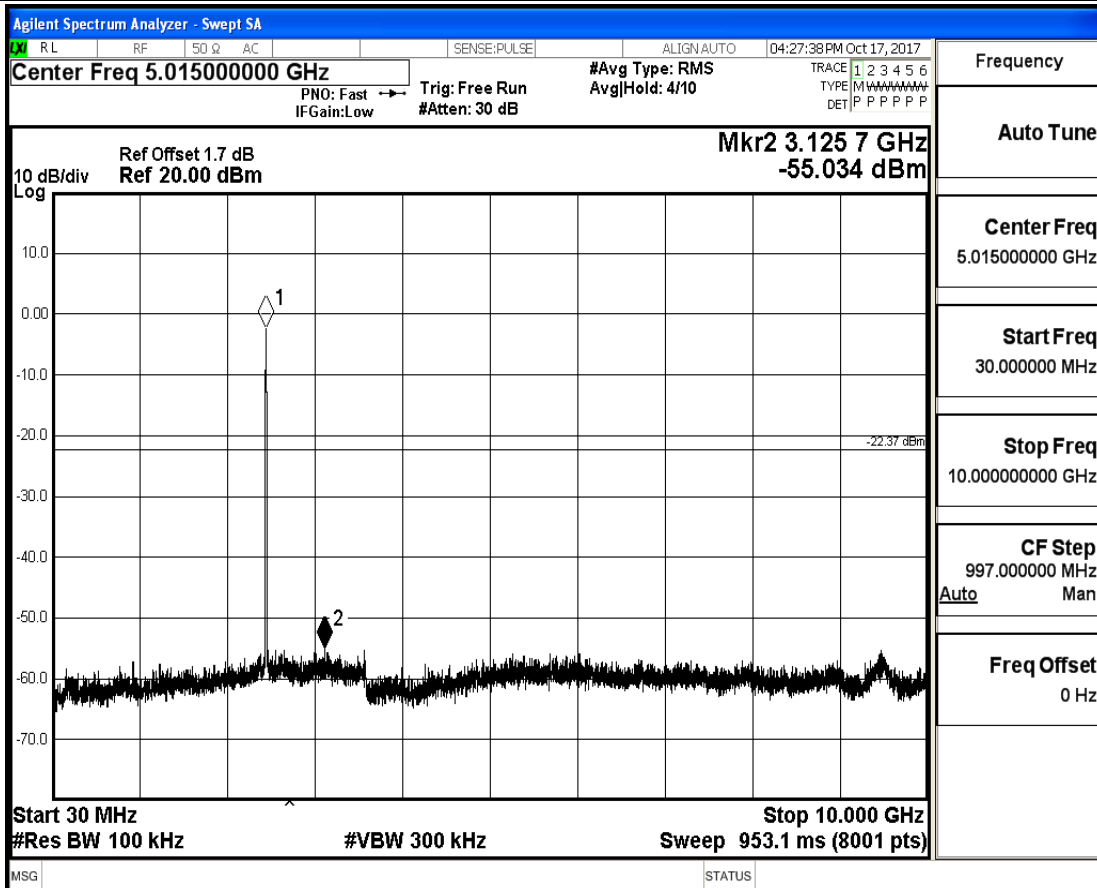
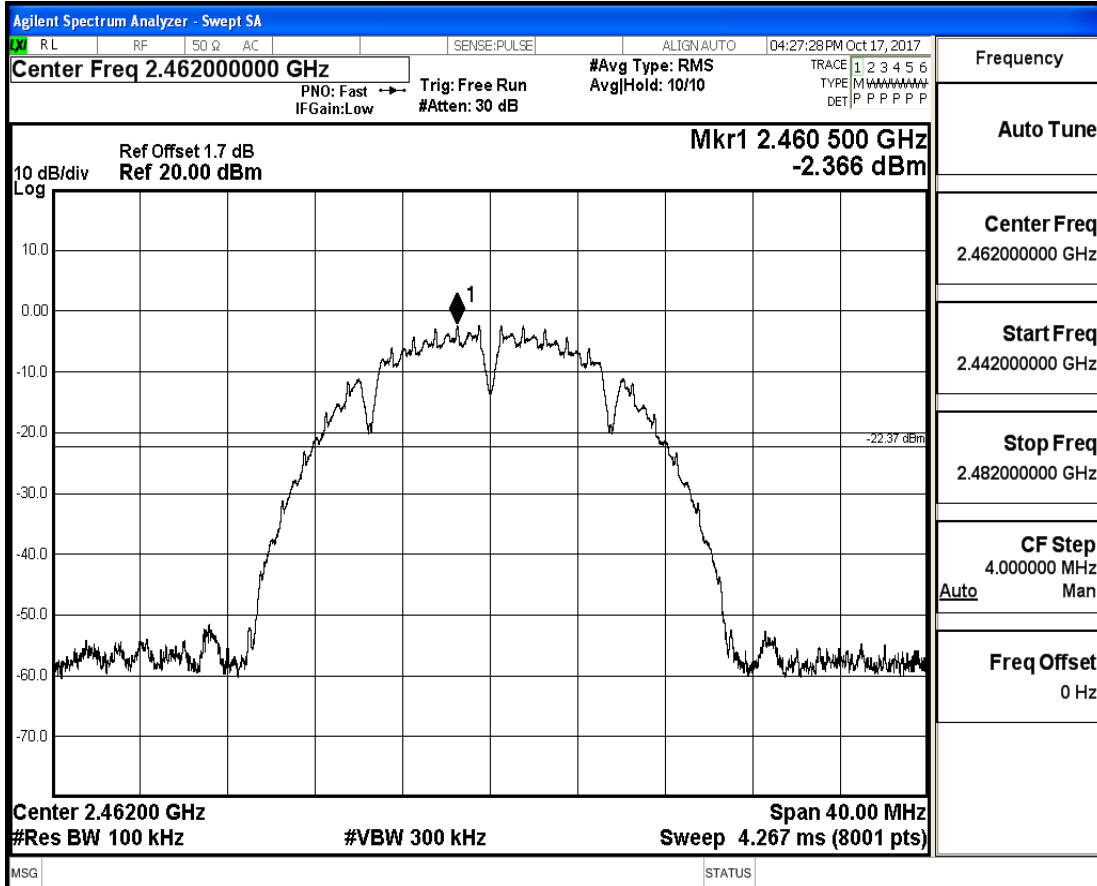


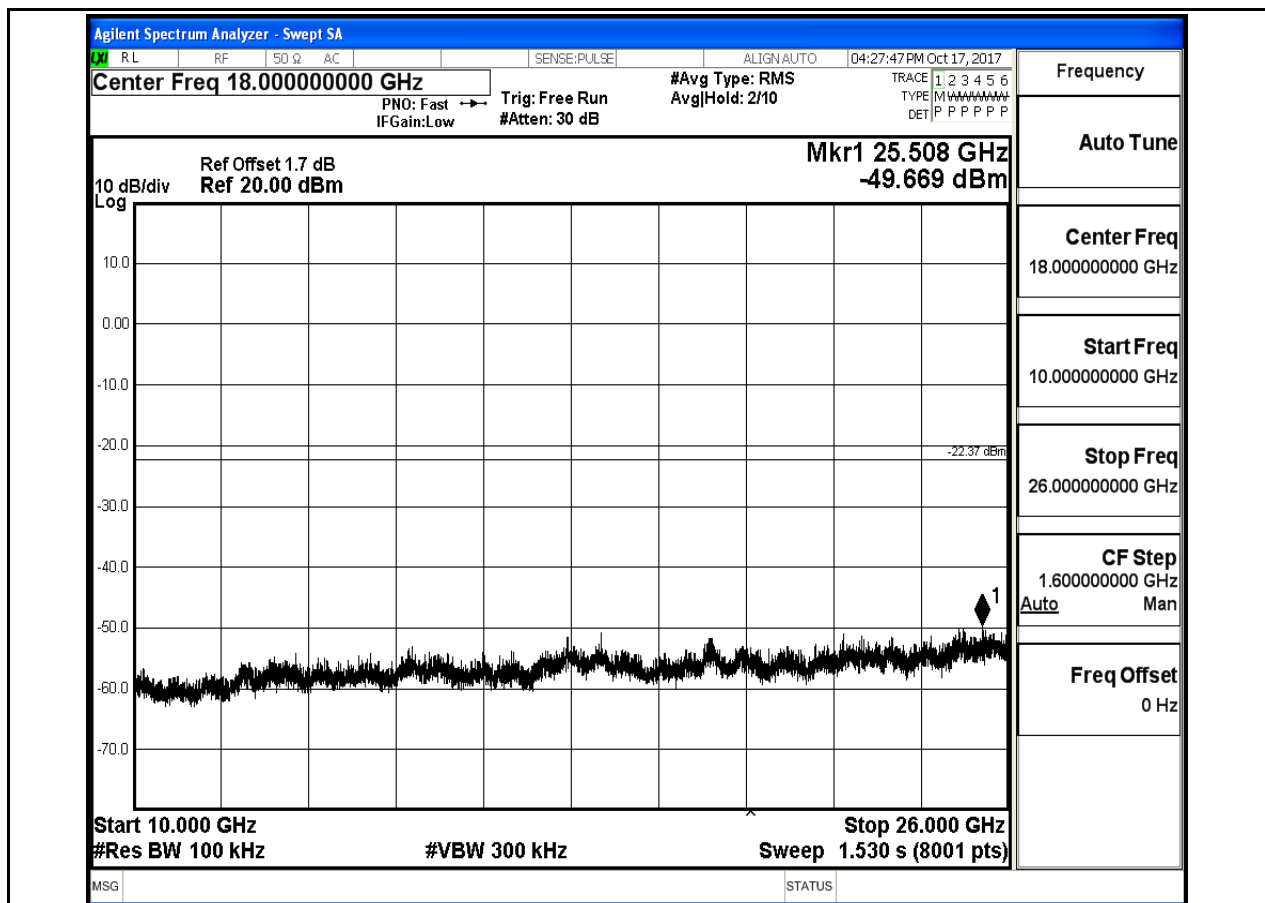
RF Conducted Spurious Emissions_11B_2437_Ant1



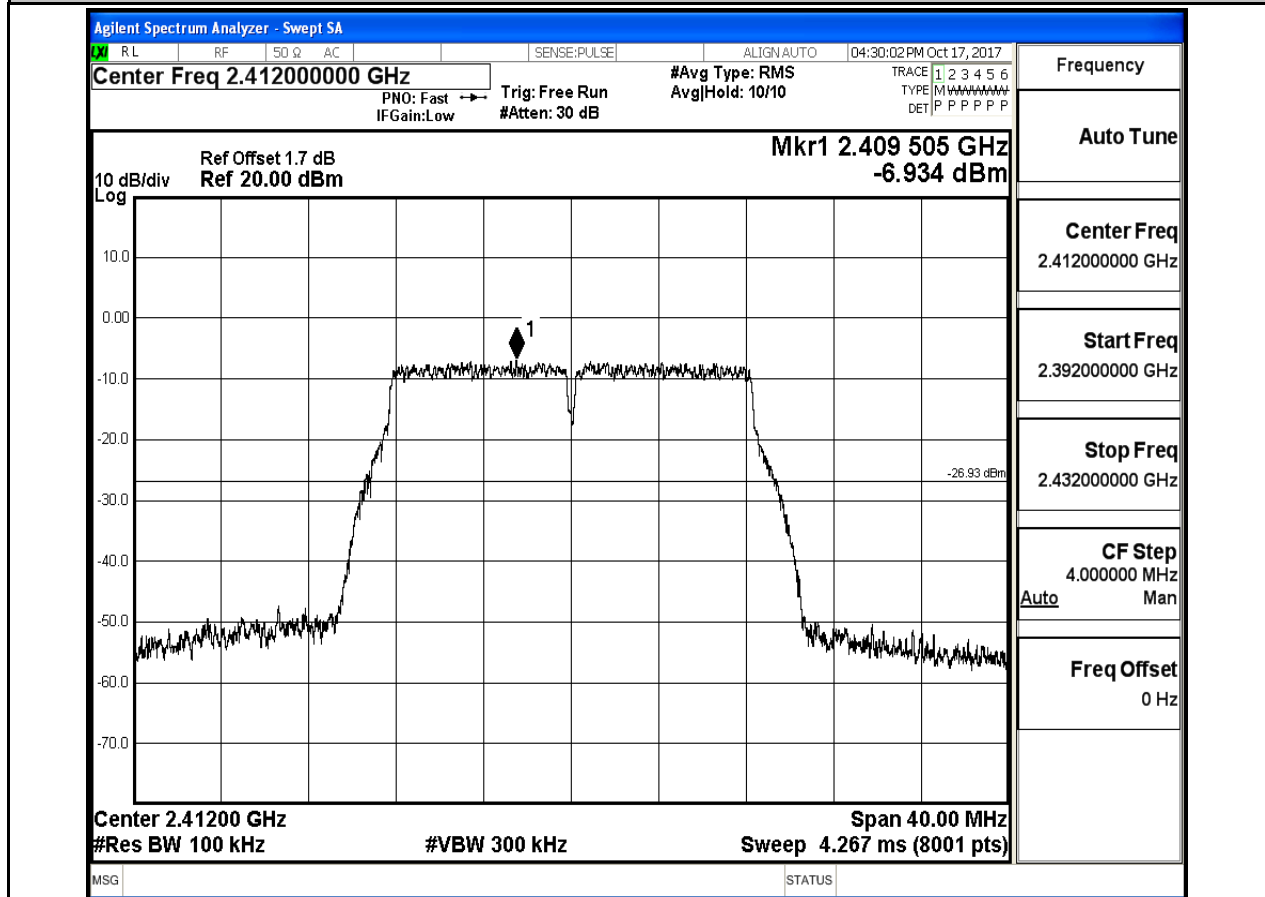


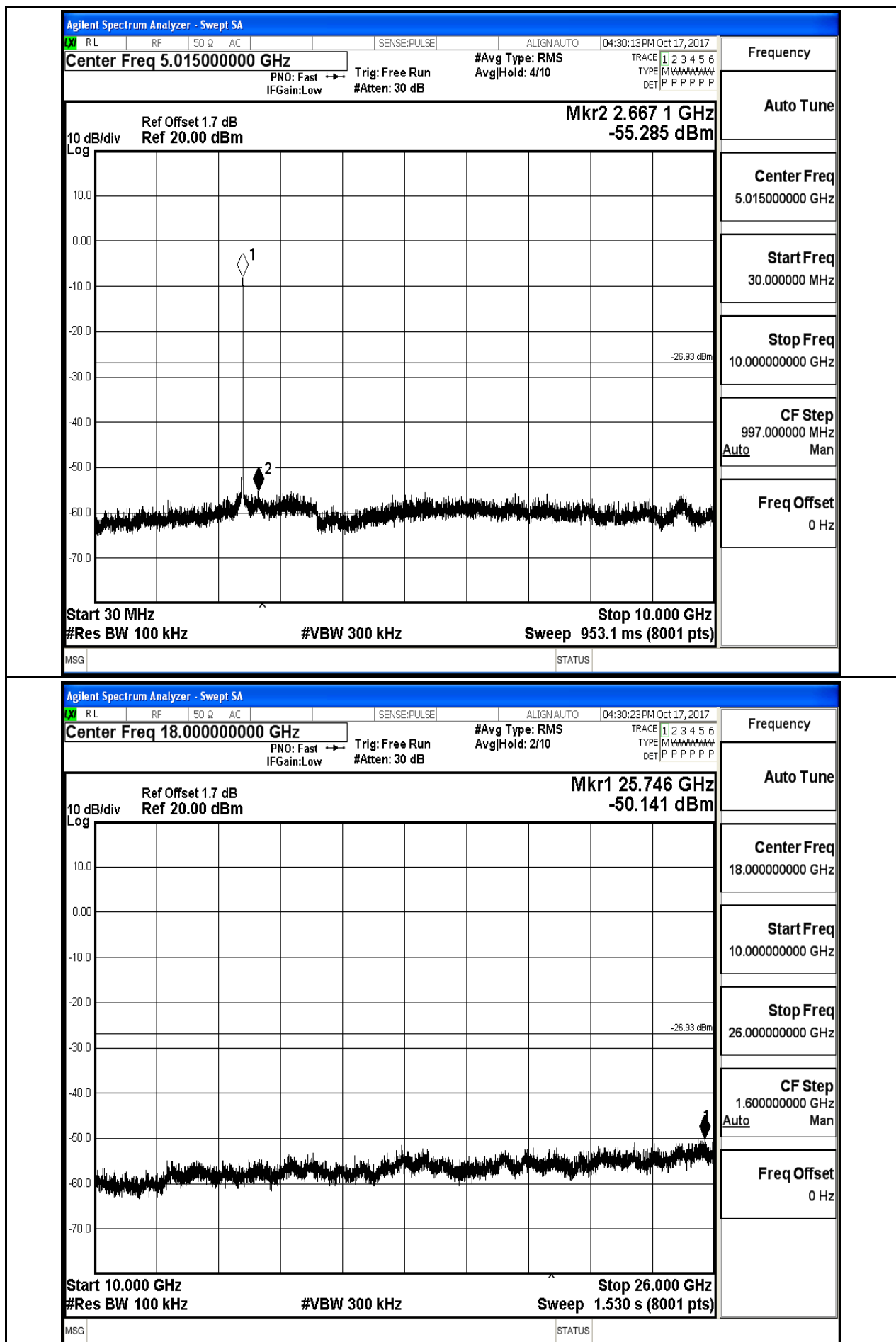
RF Conducted Spurious Emissions_11B_2462_Ant1



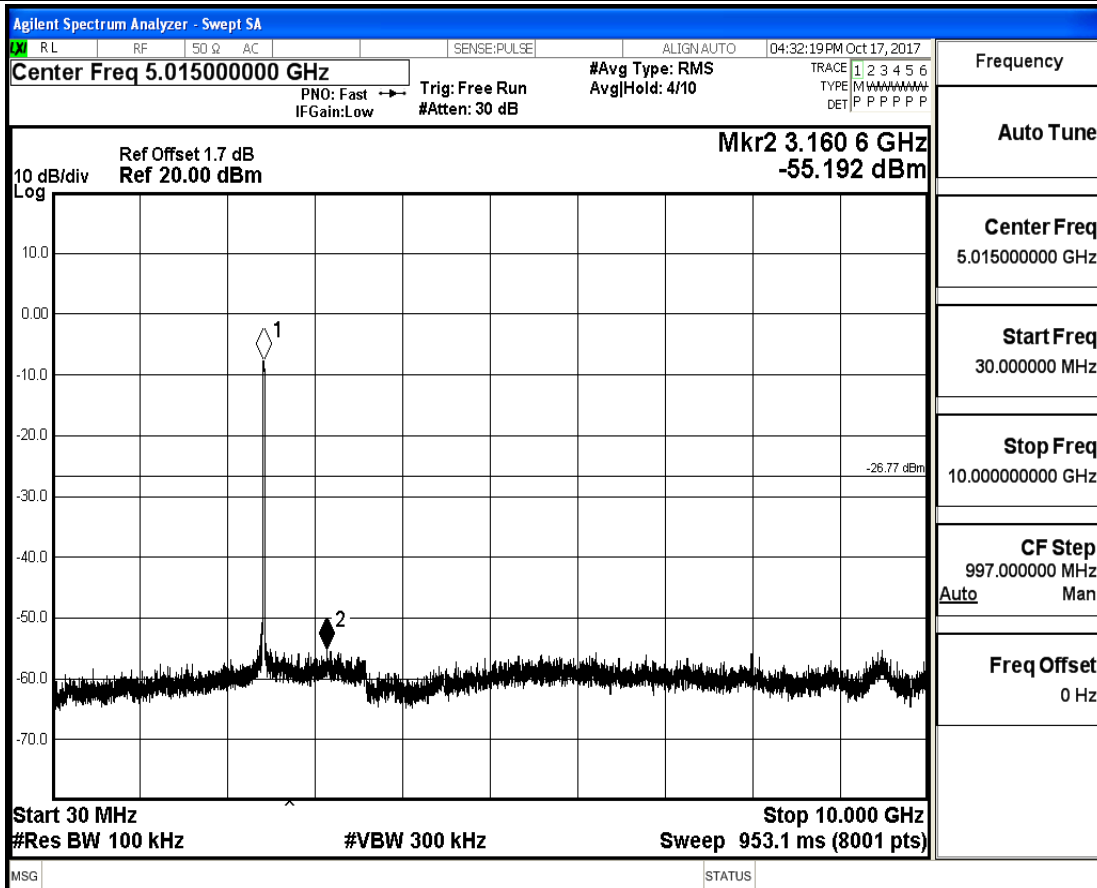
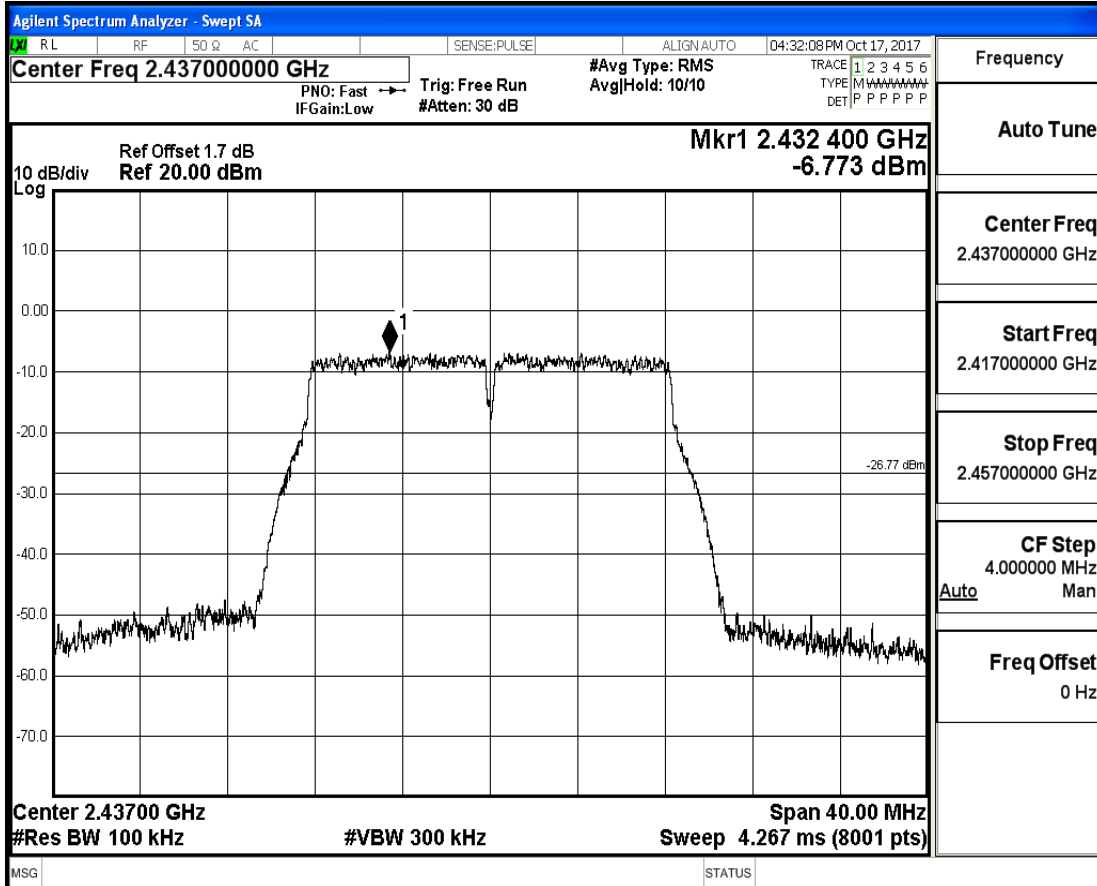


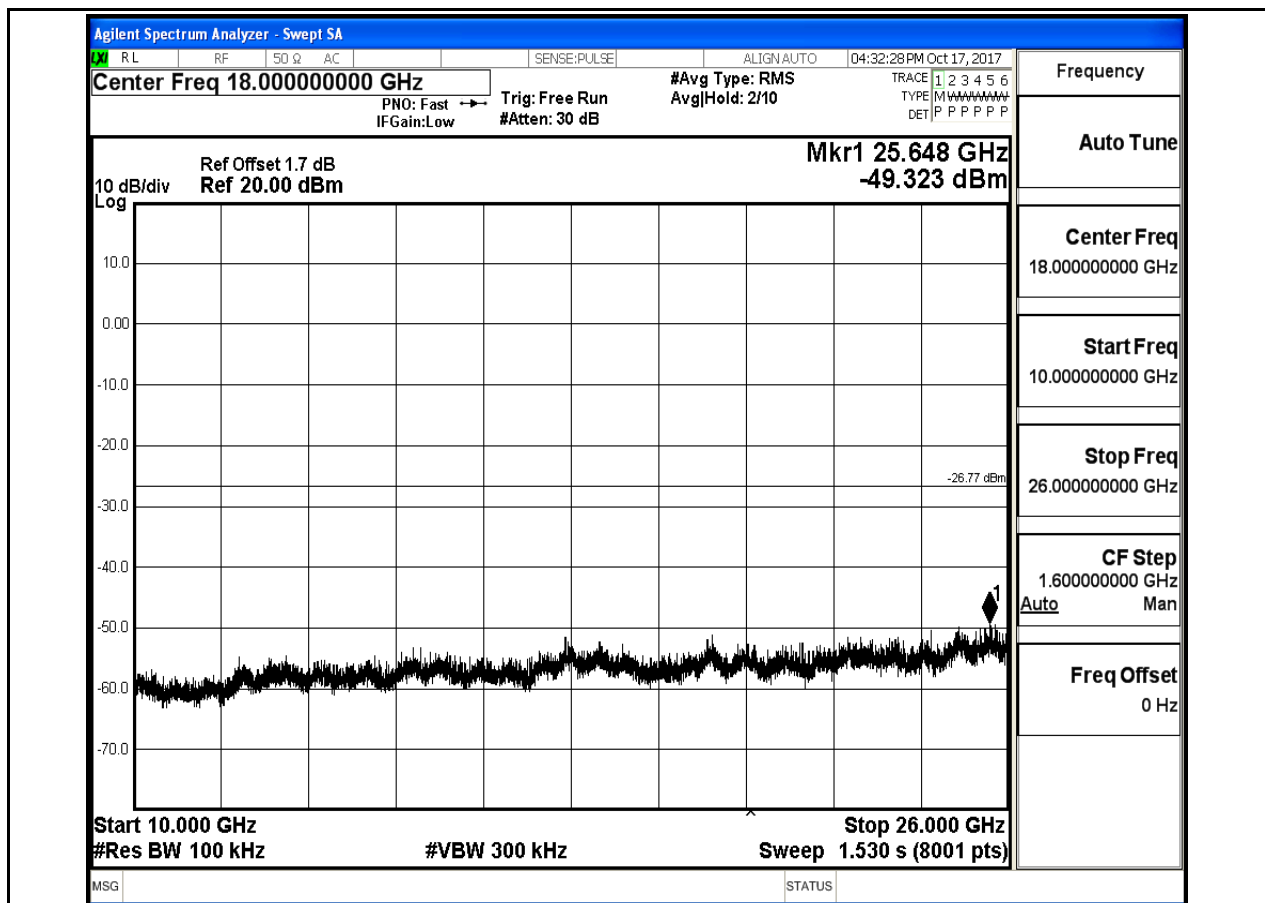
RF Conducted Spurious Emissions_11G_2412_Ant1



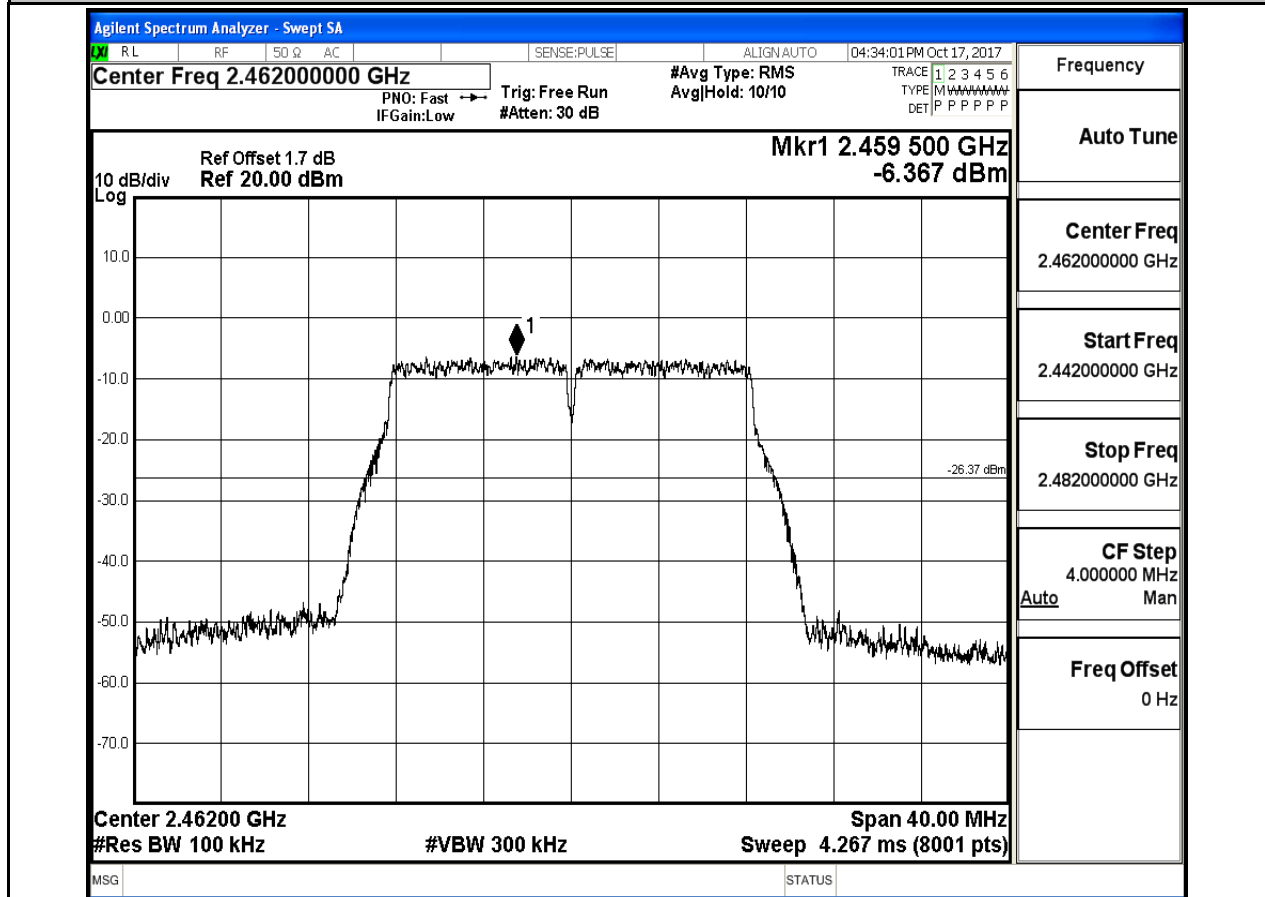


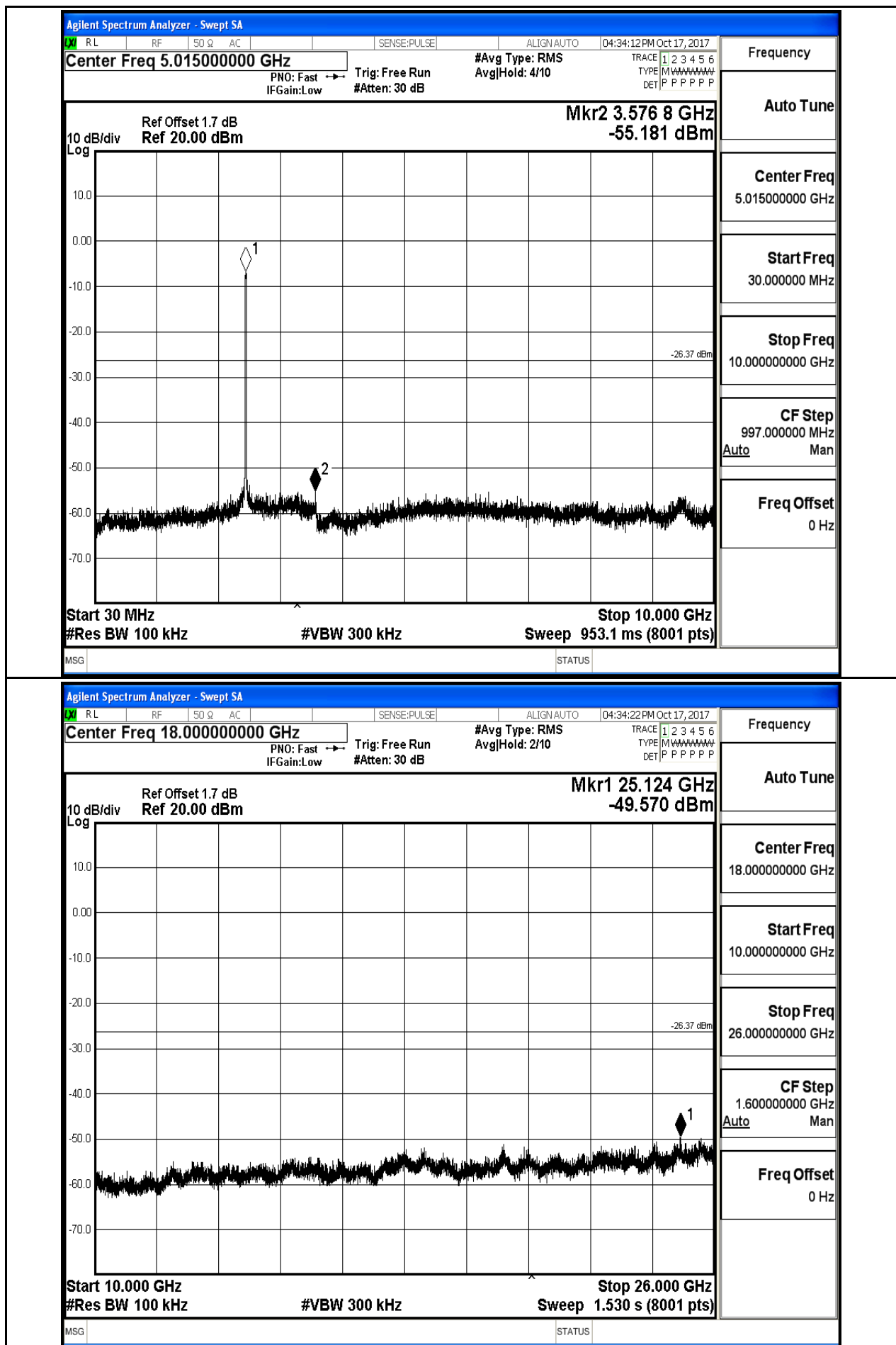
RF Conducted Spurious Emissions_11G_2437_Ant1





RF Conducted Spurious Emissions_11G_2462_Ant1





Frequency

Auto Tune

Center Freq
18.000000000 GHz

Start Freq
10.000000000 GHz

Stop Freq
26.000000000 GHz

CF Step
1.600000000 GHz
Auto Man

Freq Offset
0 Hz

Ref Offset 1.7 dB

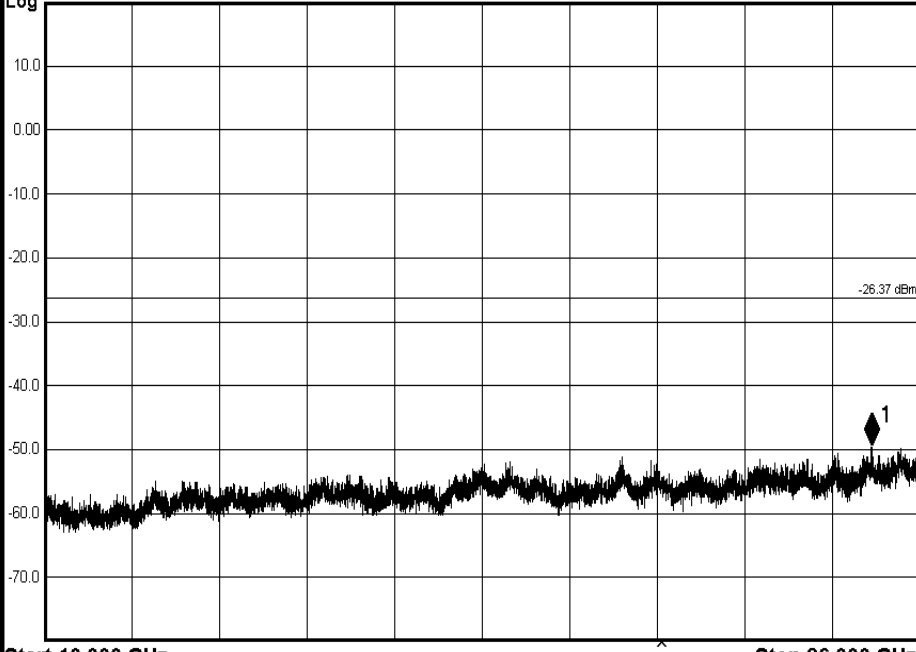
Ref 20.00 dBm

Mkr1 25.124 GHz

-49.570 dBm

10 dB/div

Log



Start 10.000 GHz

Stop 26.000 GHz

#Res BW 100 kHz

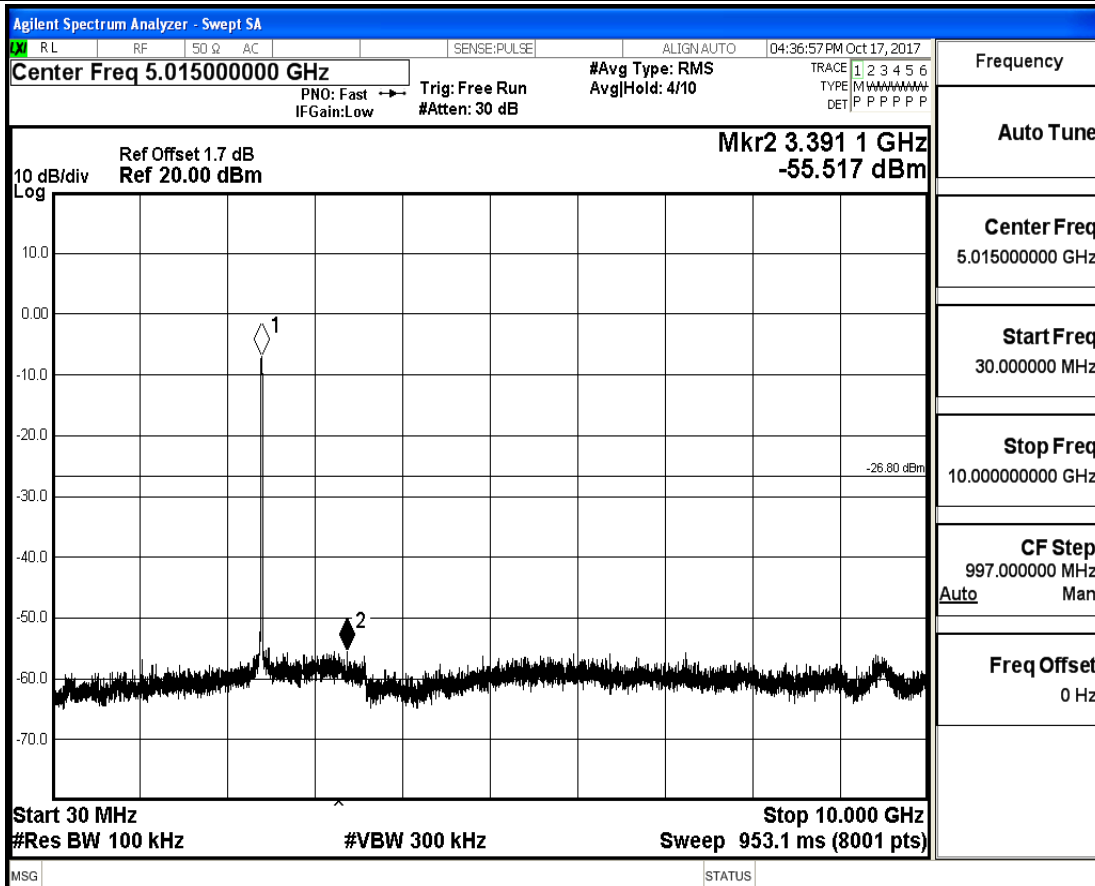
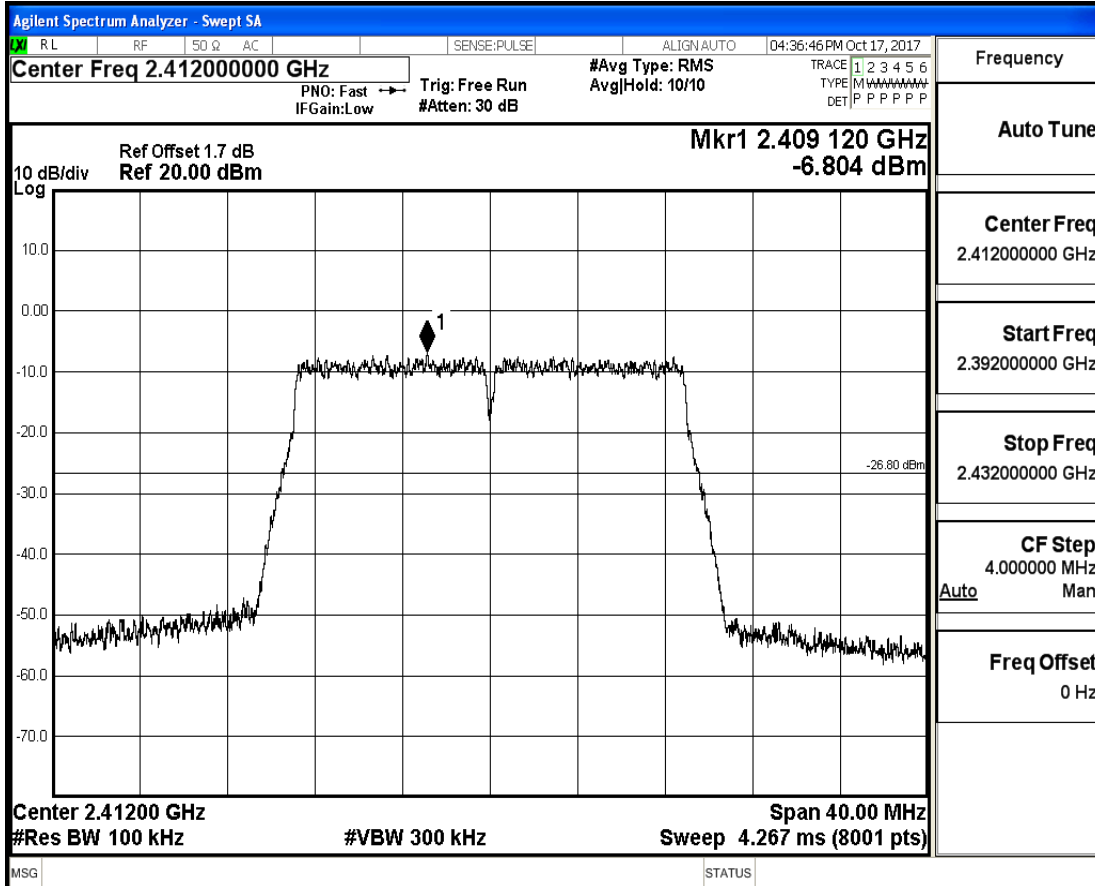
#VBW 300 kHz

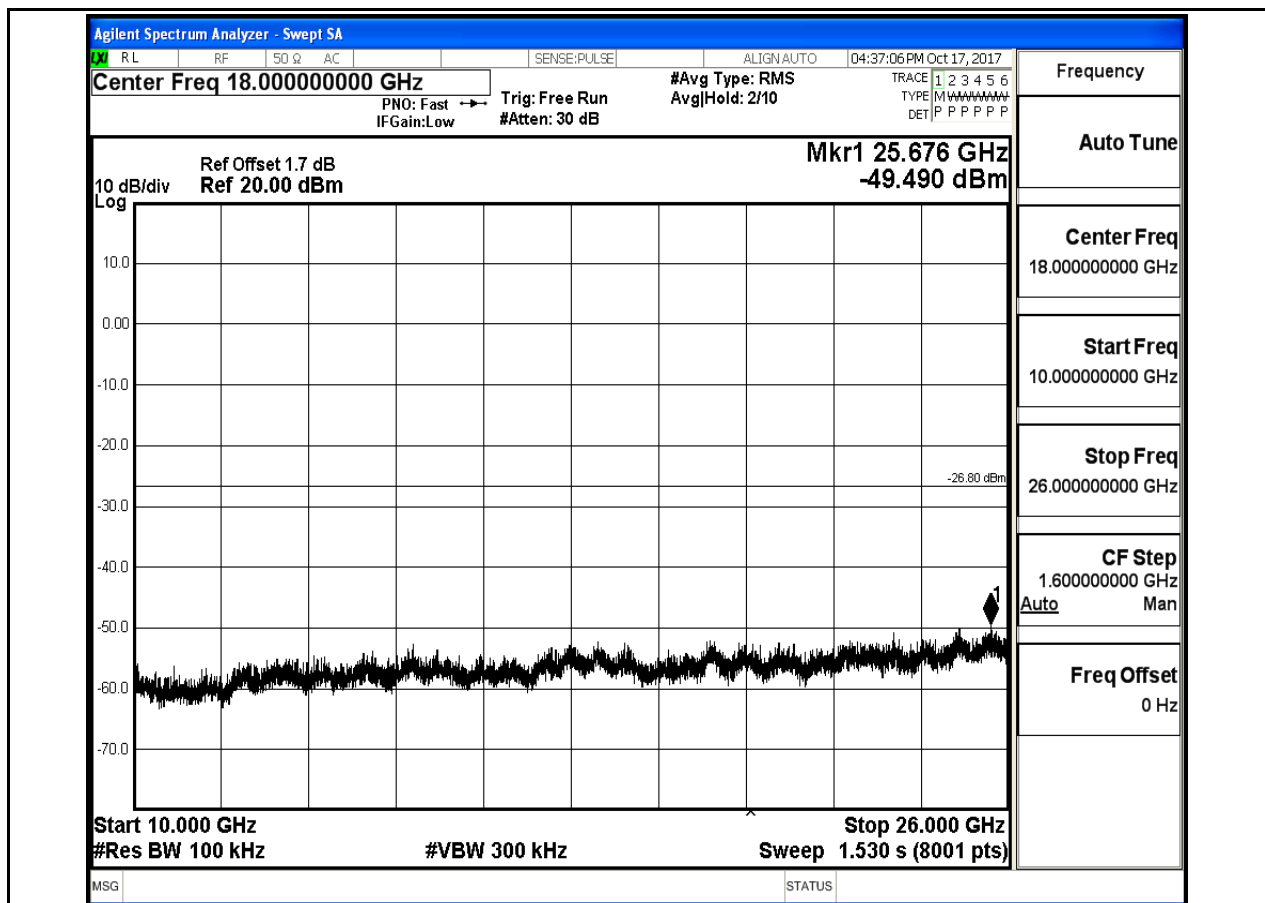
Sweep 1.530 s (8001 pts)

MSG

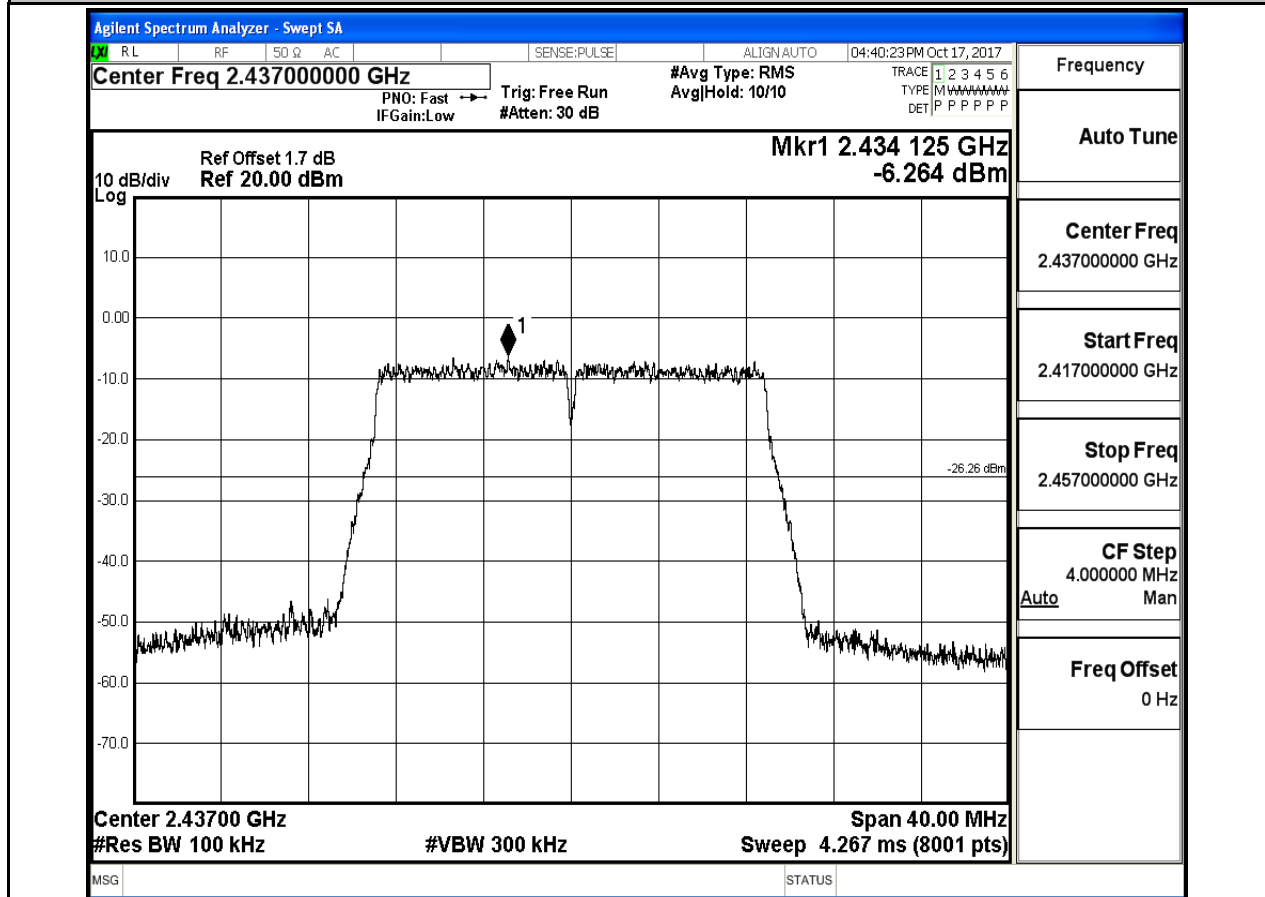
STATUS

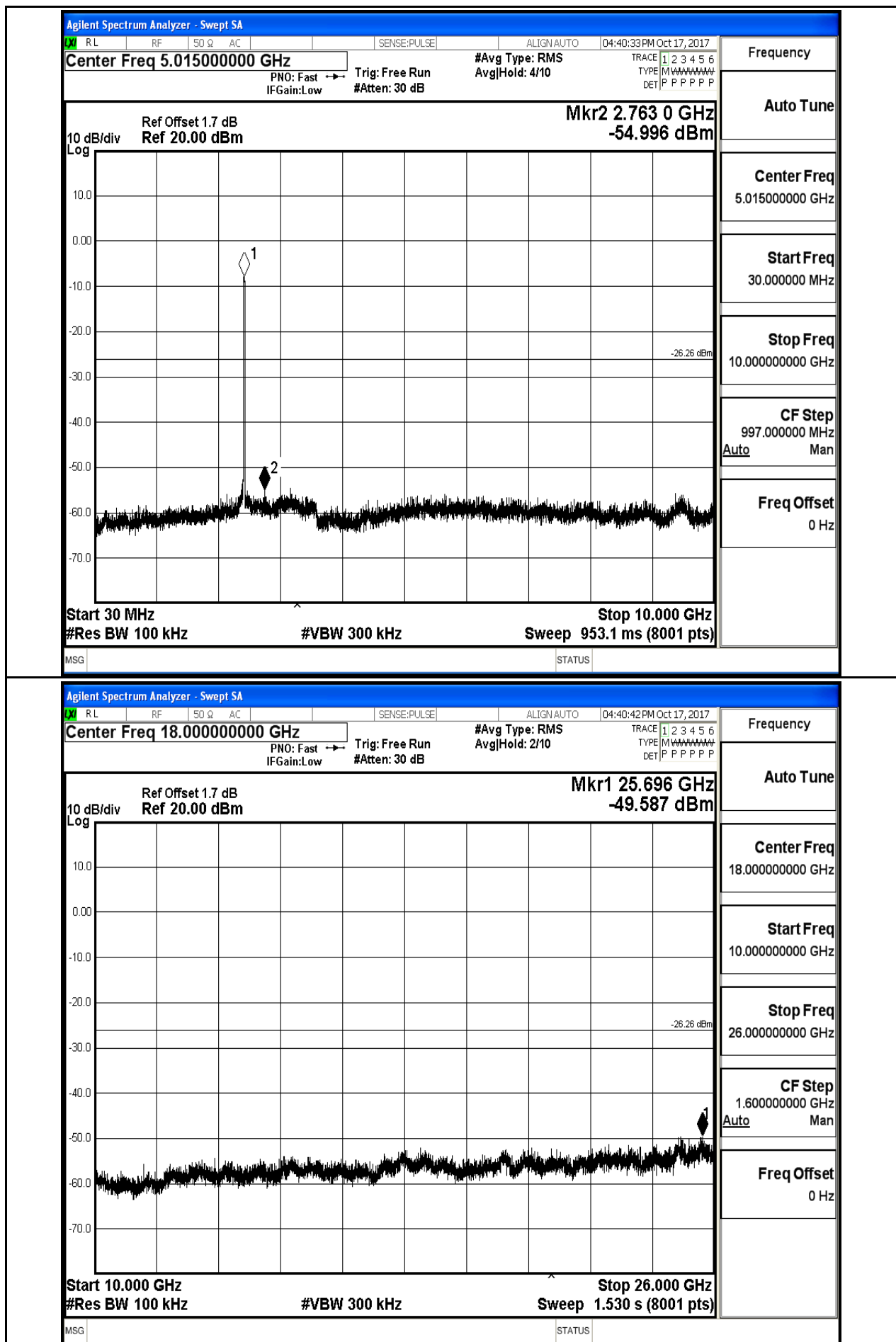
RF Conducted Spurious Emissions_11N20_2412_Ant1



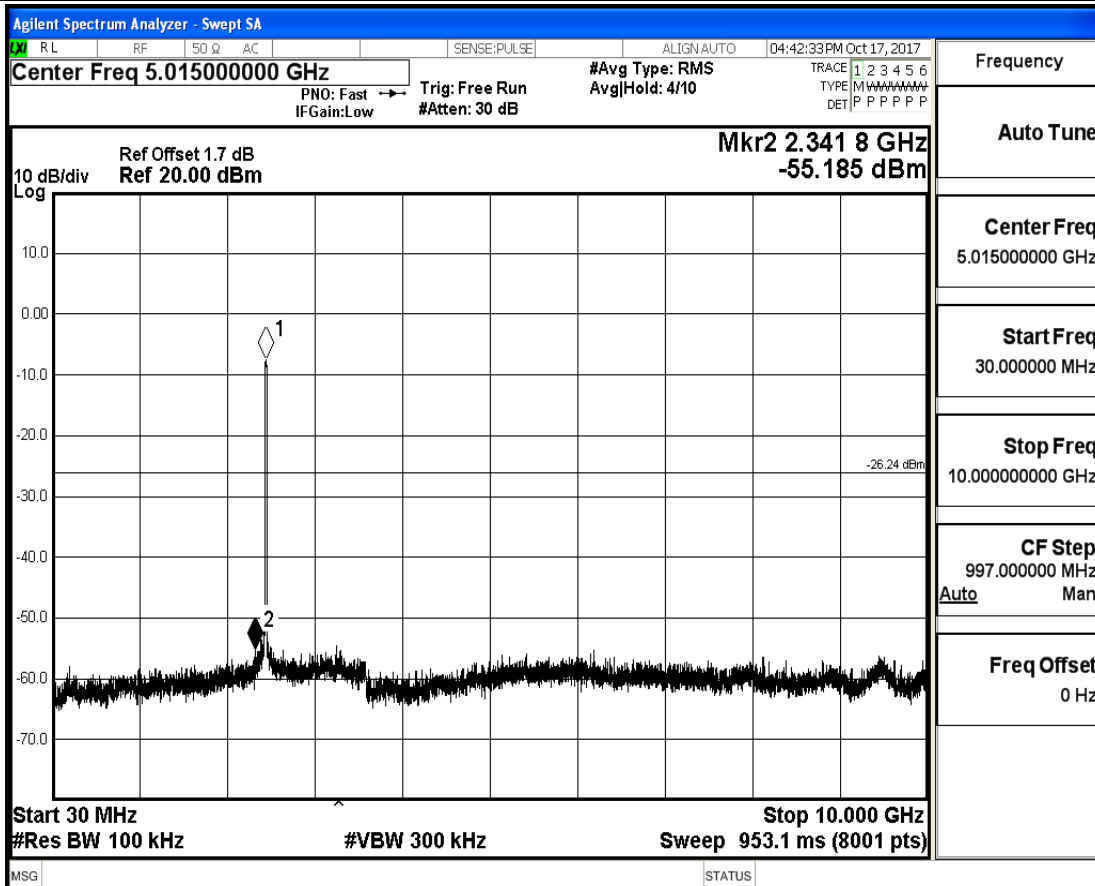
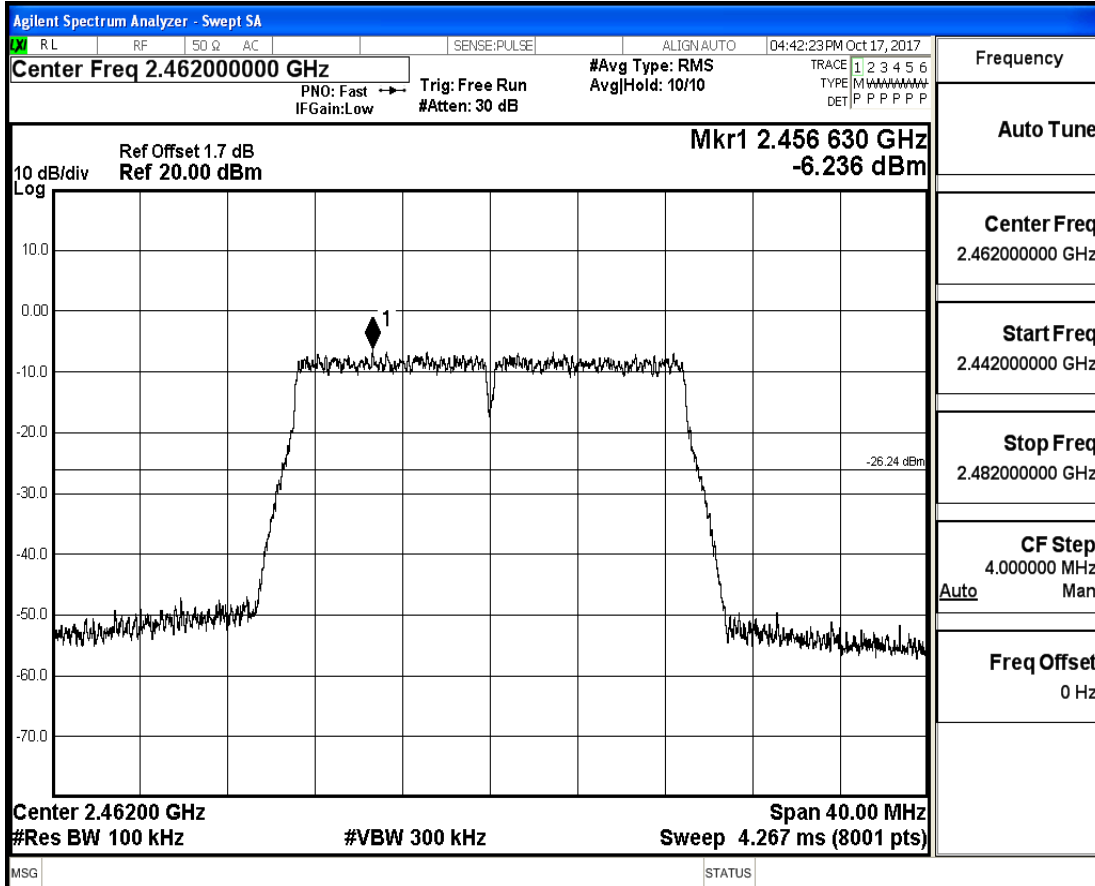


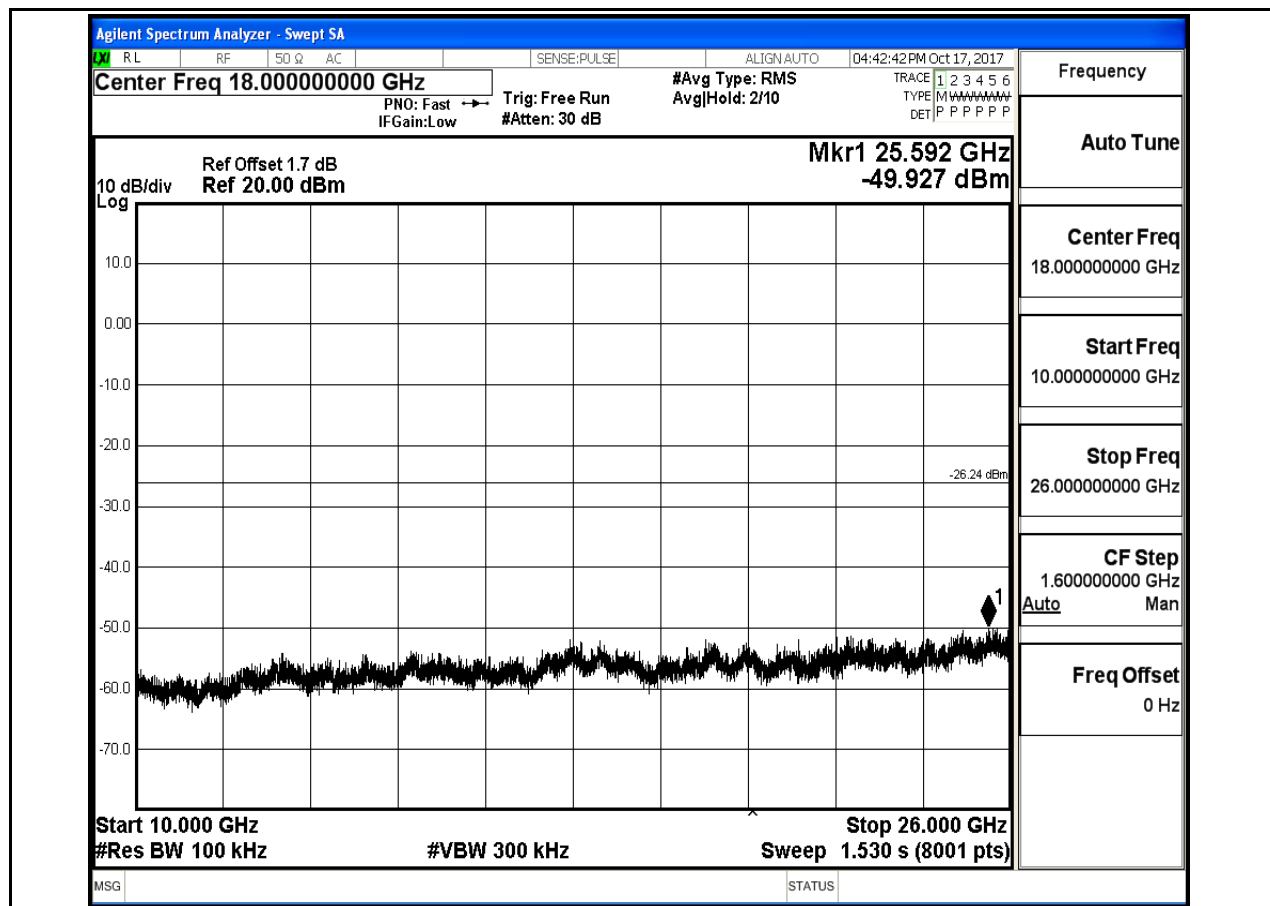
RF Conducted Spurious Emissions_11N20_2437_Ant1





RF Conducted Spurious Emissions_11N20_2462_Ant1

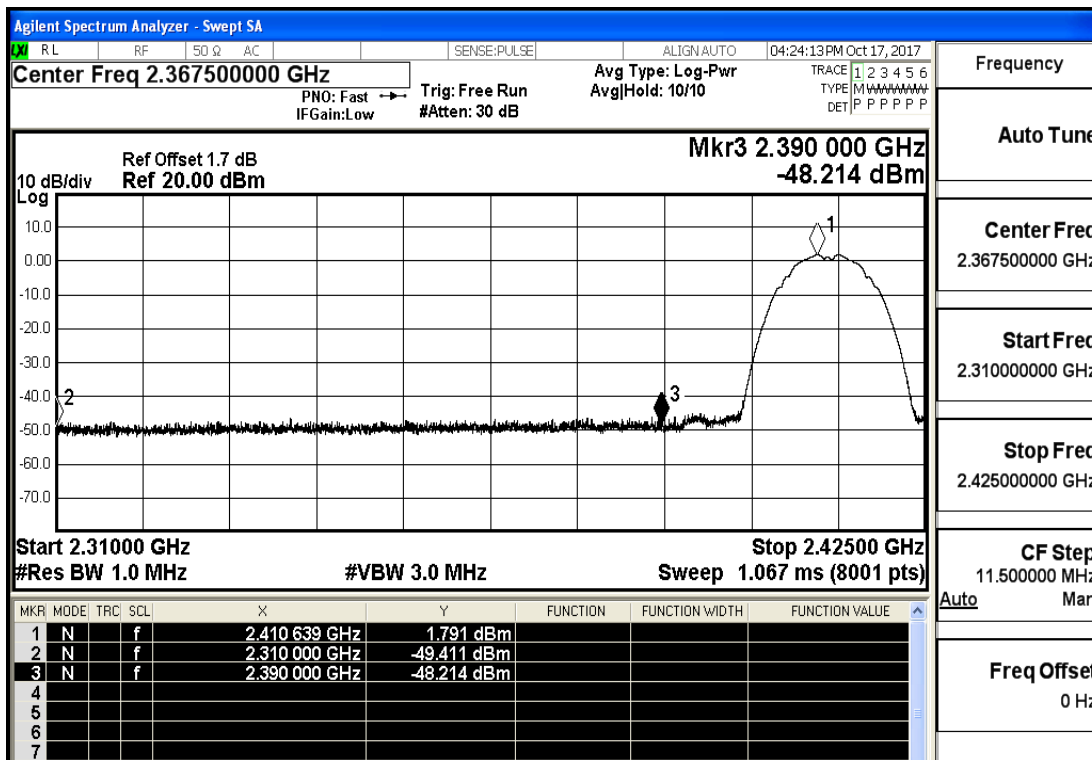




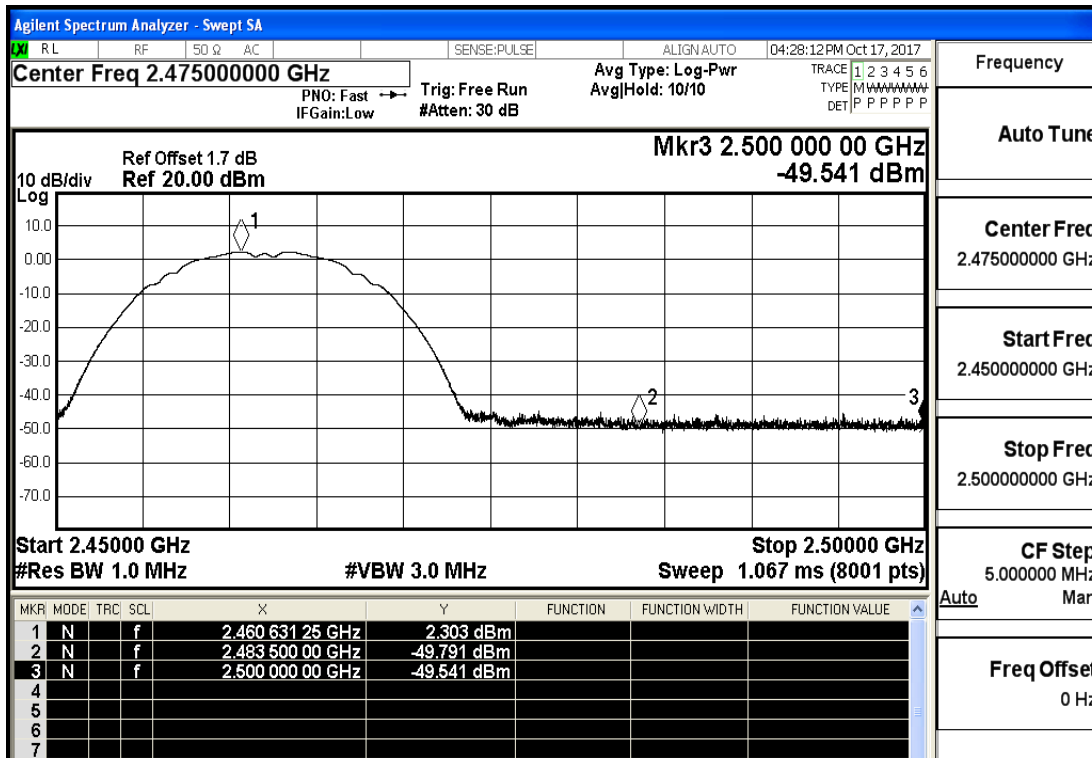
7.Restrict-band band-edge measurements

Test Mode	Test Channel	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	2310.0	-49.41	2.0	0	47.85	PEAK	74	PASS
11B	2412	2390.0	-48.21	2.0	0	49.05	PEAK	74	PASS
11B	2462	2483.5	-49.79	2.0	0	47.47	PEAK	74	PASS
11B	2462	2500.0	-49.54	2.0	0	47.72	PEAK	74	PASS
11G	2412	2310.0	-49.42	2.0	0	47.84	PEAK	74	PASS
11G	2412	2390.0	-44.24	2.0	0	53.02	PEAK	74	PASS
11G	2462	2483.5	-44.16	2.0	0	53.10	PEAK	74	PASS
11G	2462	2500.0	-45.79	2.0	0	51.47	PEAK	74	PASS
11N20	2412	2310.0	-49.30	2.0	0	47.96	PEAK	74	PASS
11N20	2412	2390.0	-45.46	2.0	0	51.80	PEAK	74	PASS
11N20	2462	2483.5	-43.91	2.0	0	53.35	PEAK	74	PASS
11N20	2462	2500.0	-46.59	2.0	0	50.67	PEAK	74	PASS

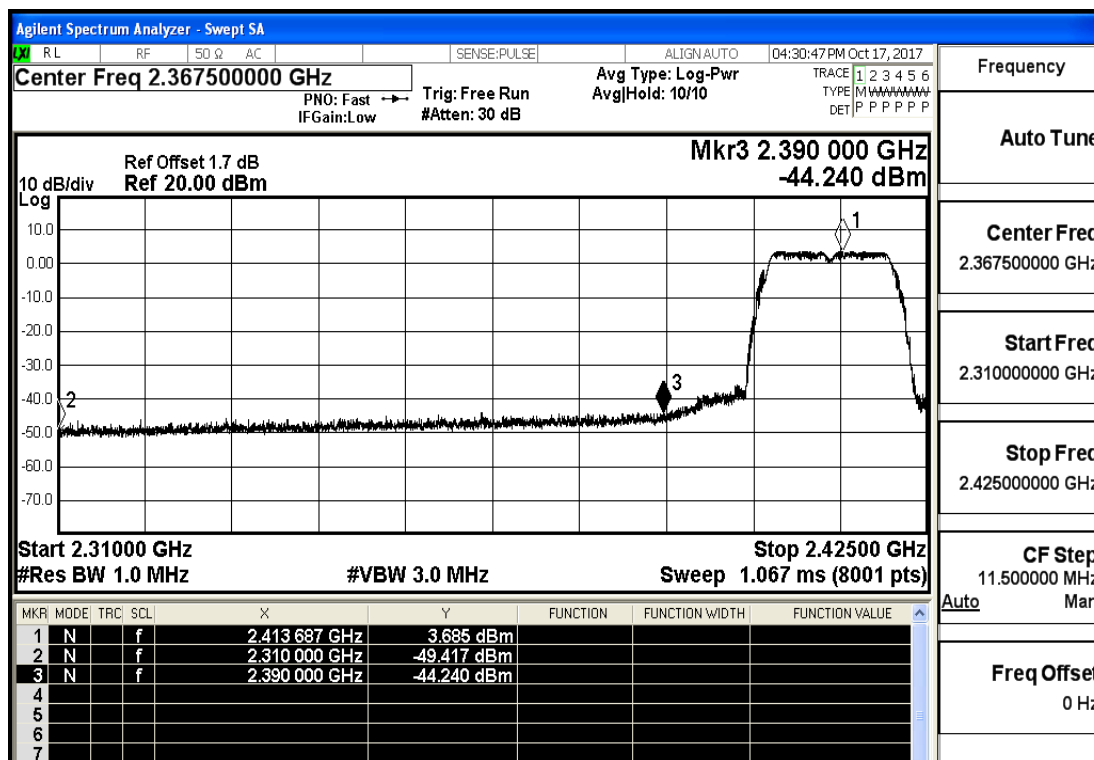
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



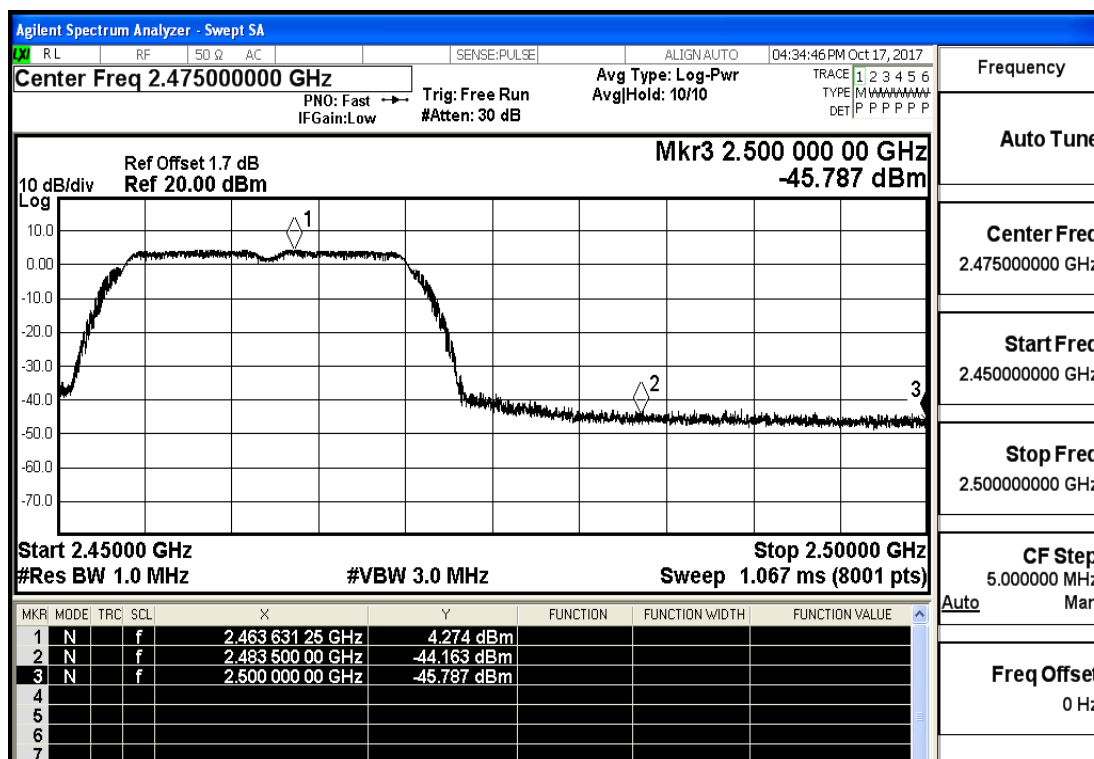
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



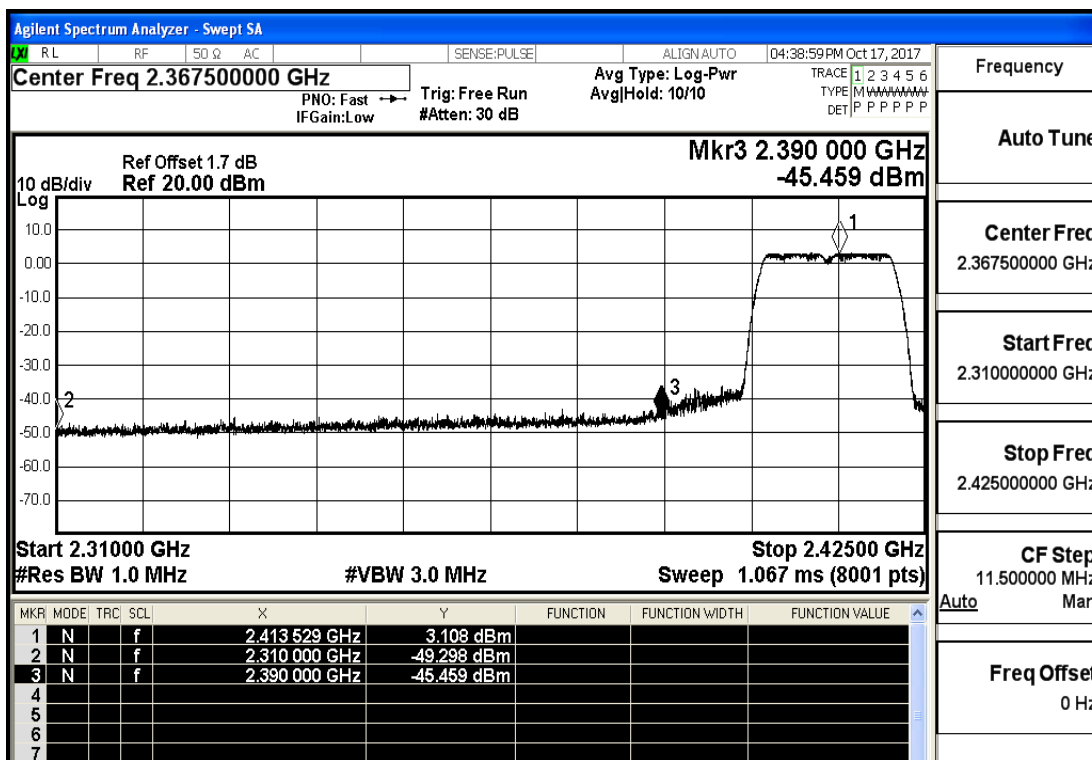
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



Restrict-band	band-edge	measurements	11G	2462	Ant1	PEAK
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Restrict-band band-edge measurements 11N20 2412 Ant1 PEAK



Restrict-band band-edge measurements	11N20	2462	Ant1	PEAK
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