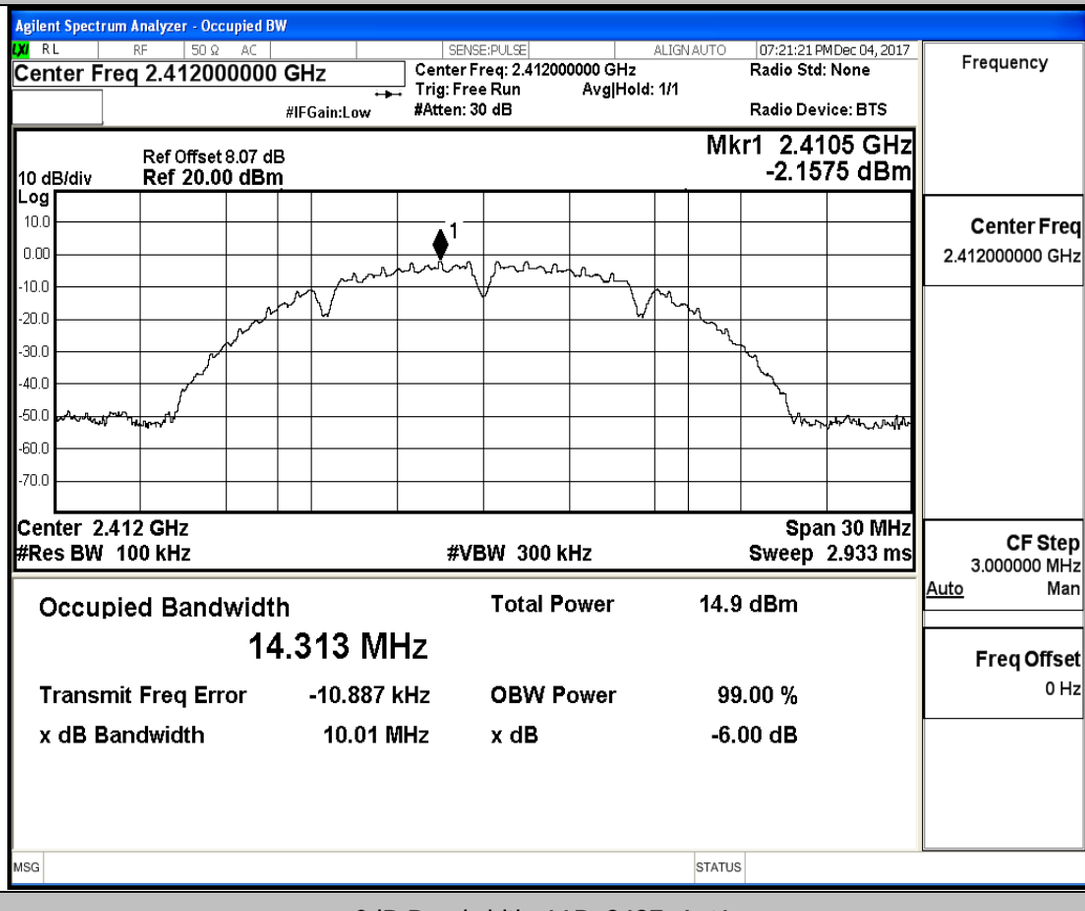
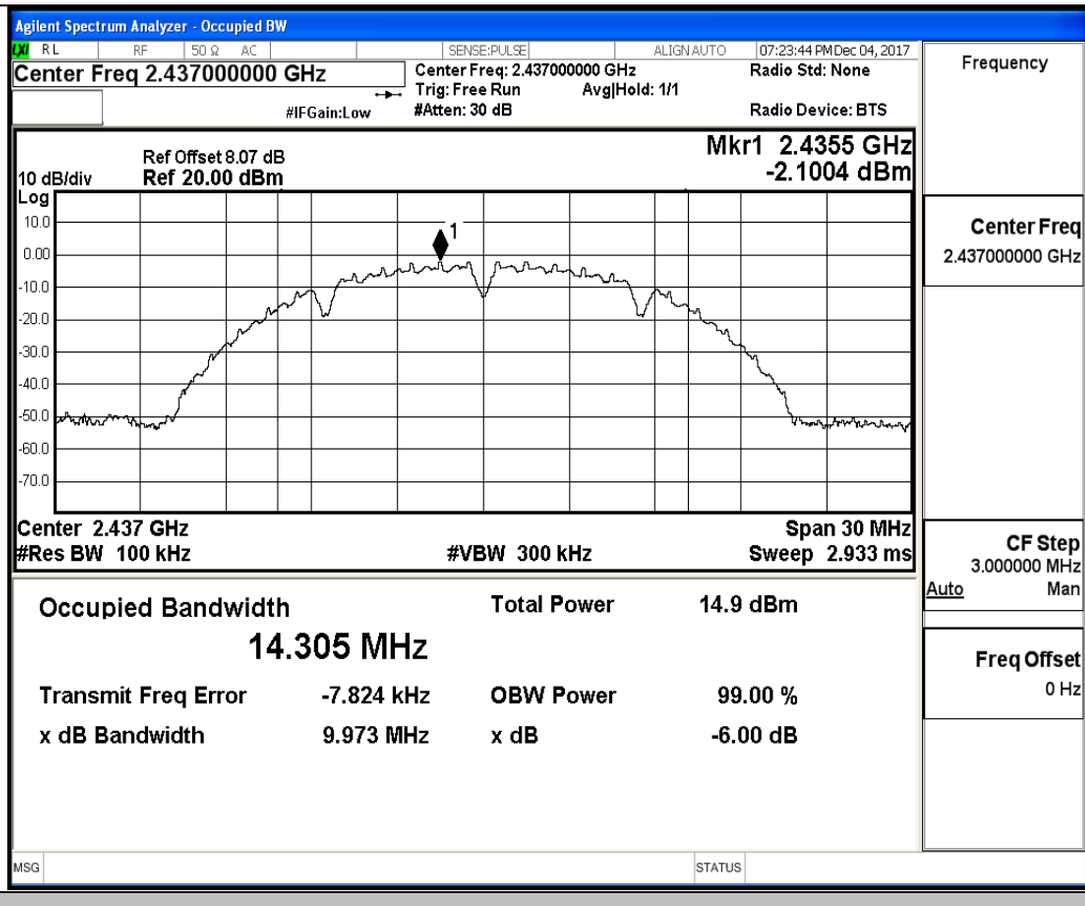
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.01	0.5	PASS
11B	2437	Ant1	9.973	0.5	PASS
11B	2462	Ant1	9.594	0.5	PASS
11G	2412	Ant1	16.62	0.5	PASS
11G	2437	Ant1	16.60	0.5	PASS
11G	2462	Ant1	16.61	0.5	PASS
11N20SISO	2412	Ant1	17.82	0.5	PASS
11N20SISO	2437	Ant1	17.84	0.5	PASS
11N20SISO	2462	Ant1	17.83	0.5	PASS

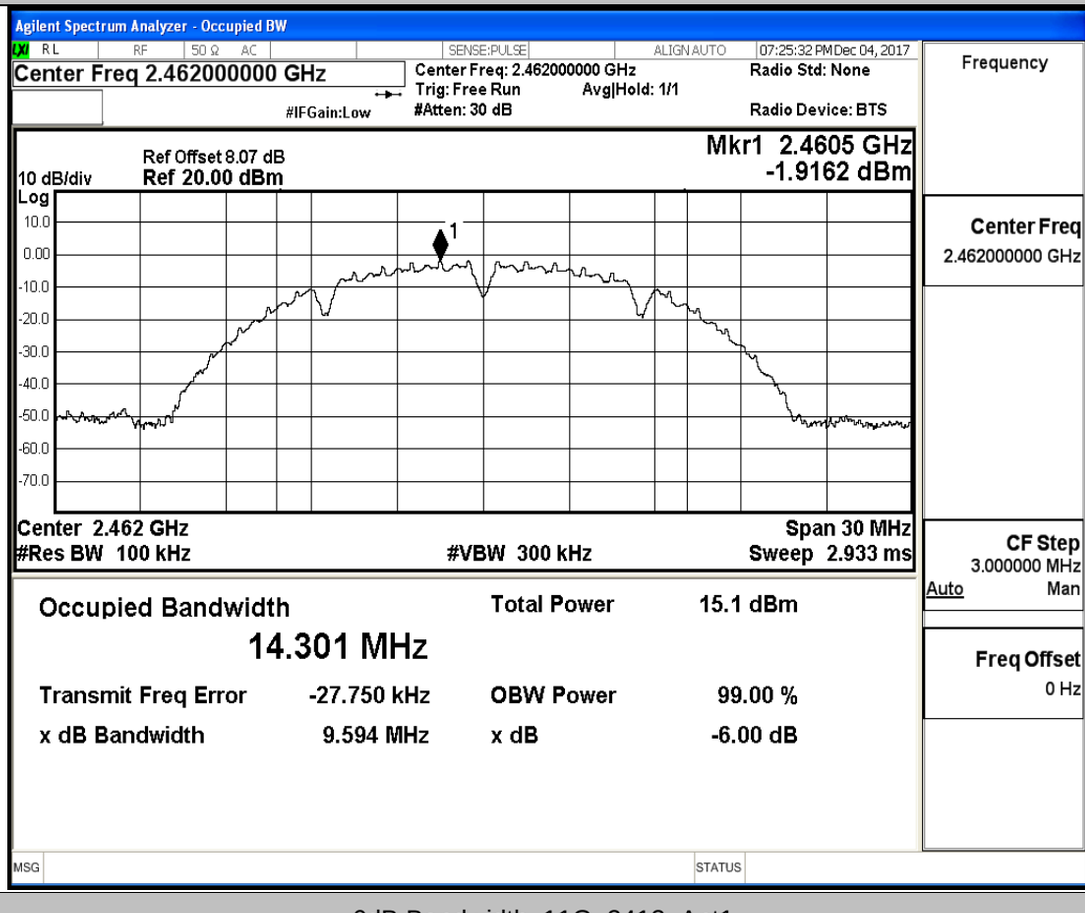
6dB Bandwidth_11B_2412_Ant1



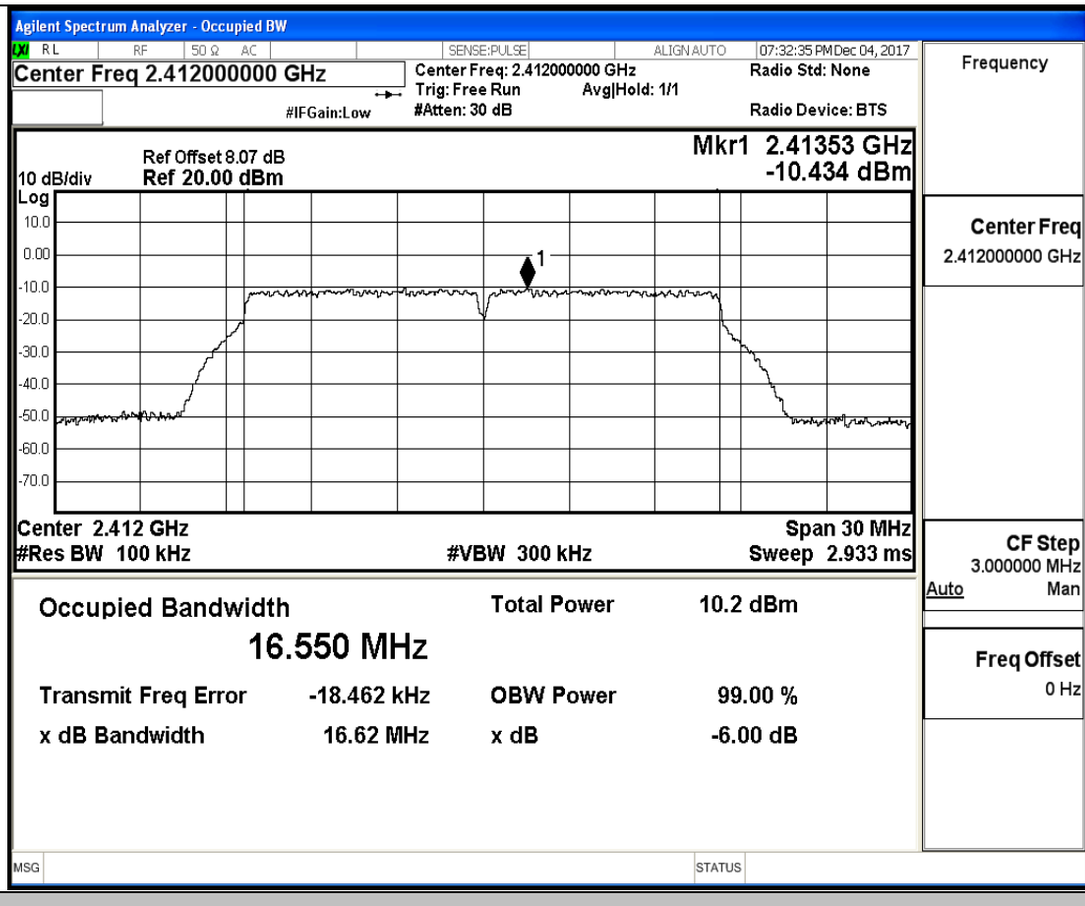
6dB Bandwidth_11B_2437_Ant1



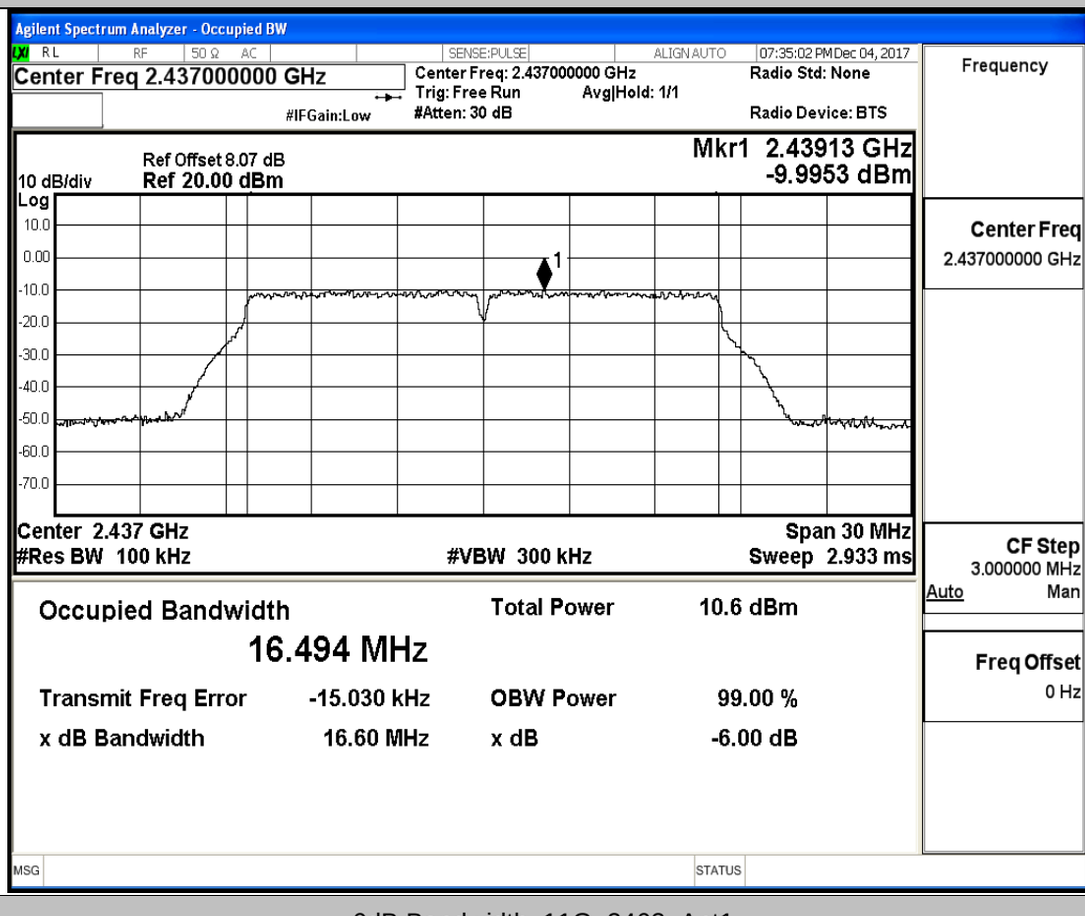
6dB Bandwidth_11B_2462_Ant1



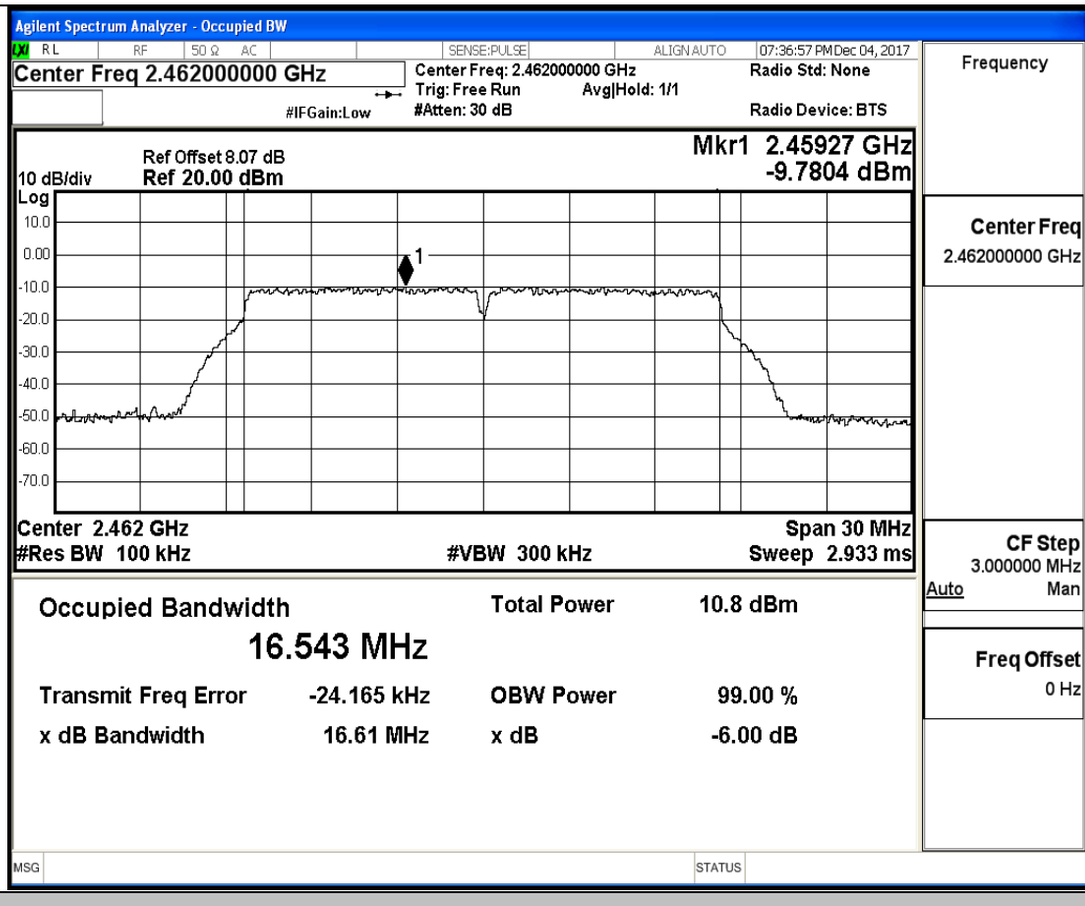
6dB Bandwidth_11G_2412_Ant1



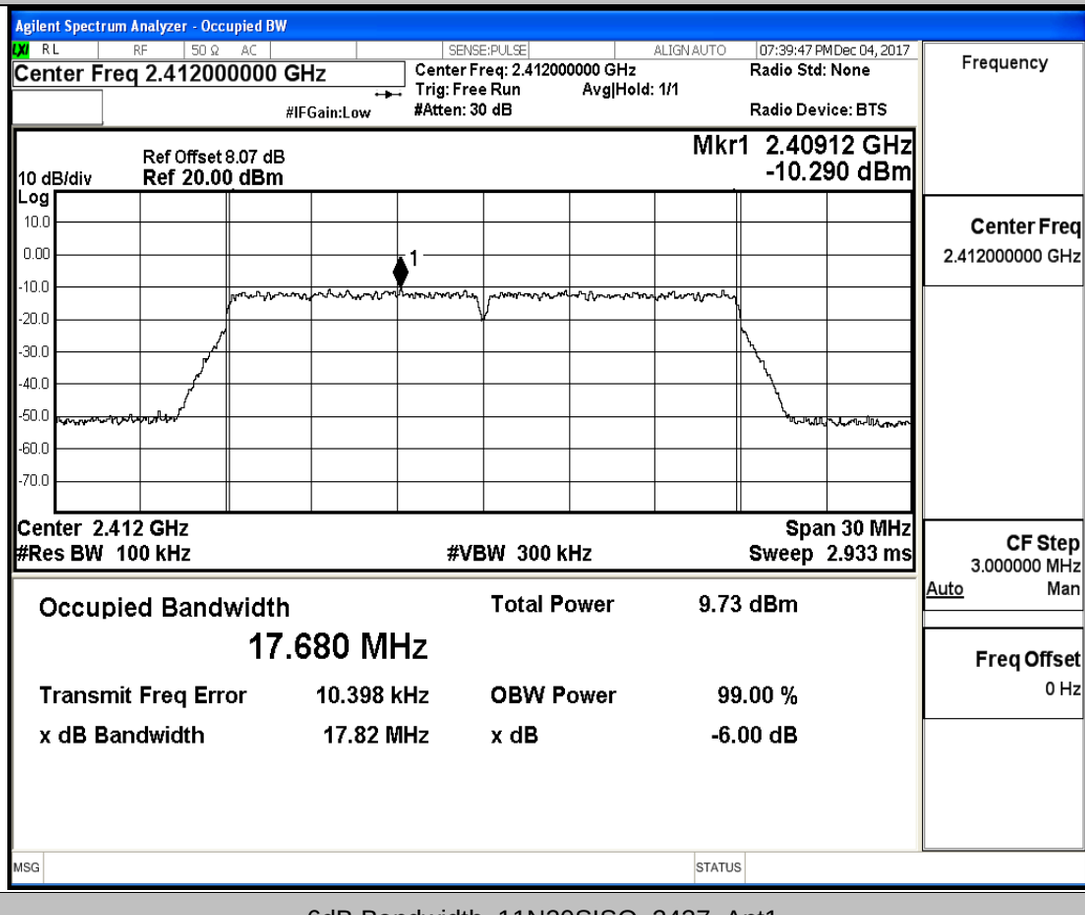
6dB Bandwidth_11G_2437_Ant1



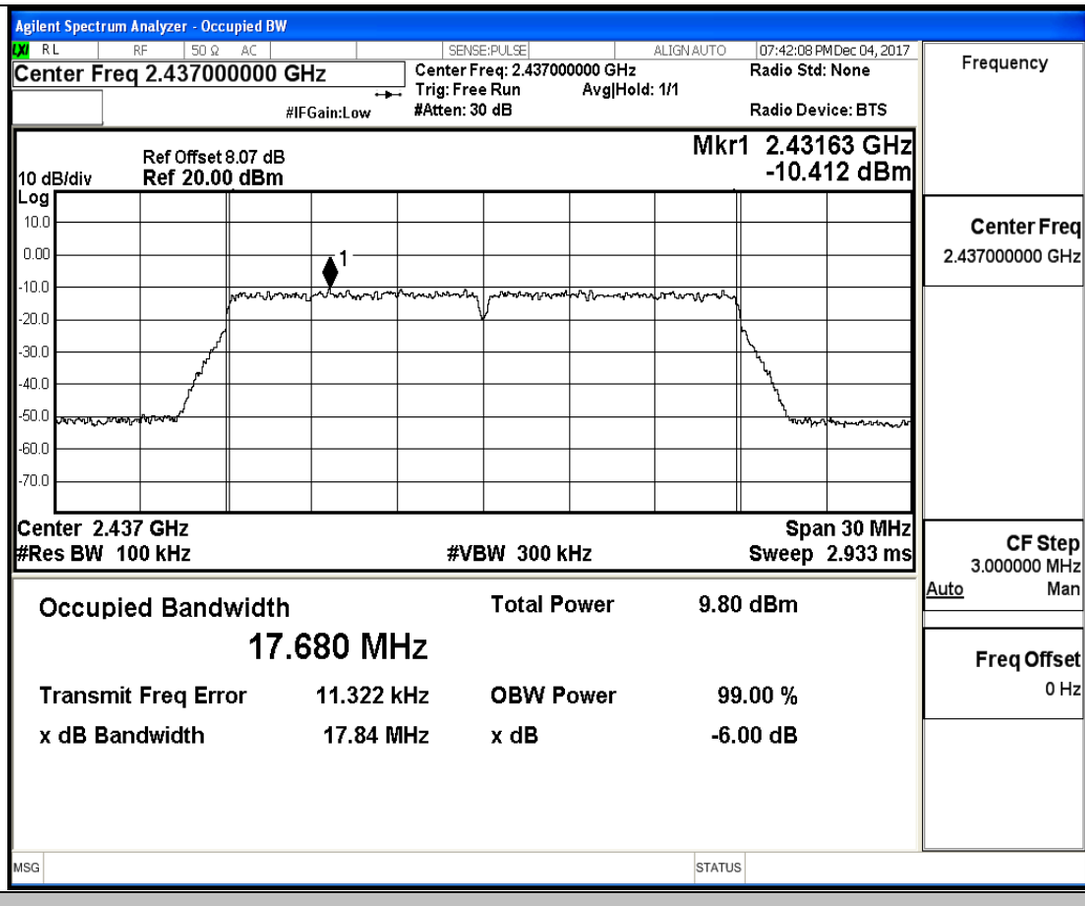
6dB Bandwidth_11G_2462_Ant1



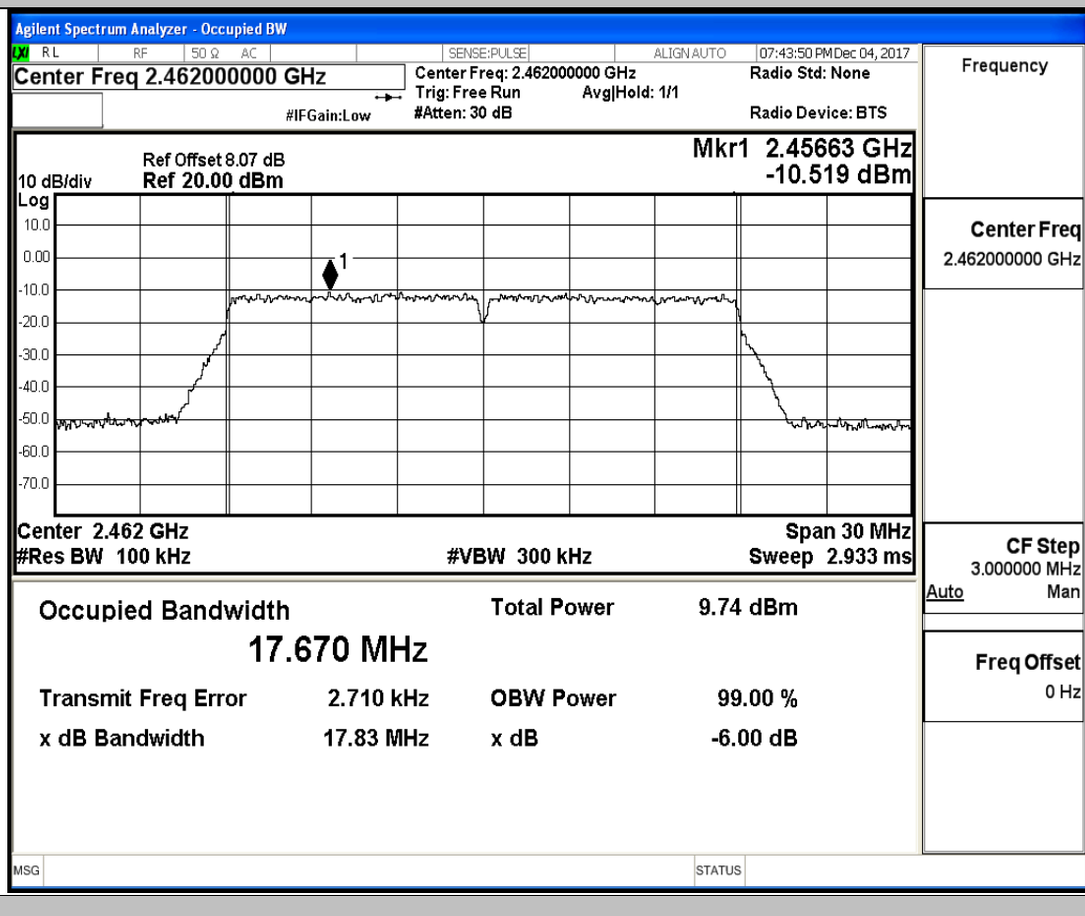
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



6dB Bandwidth_11N20SISO_2462_Ant1



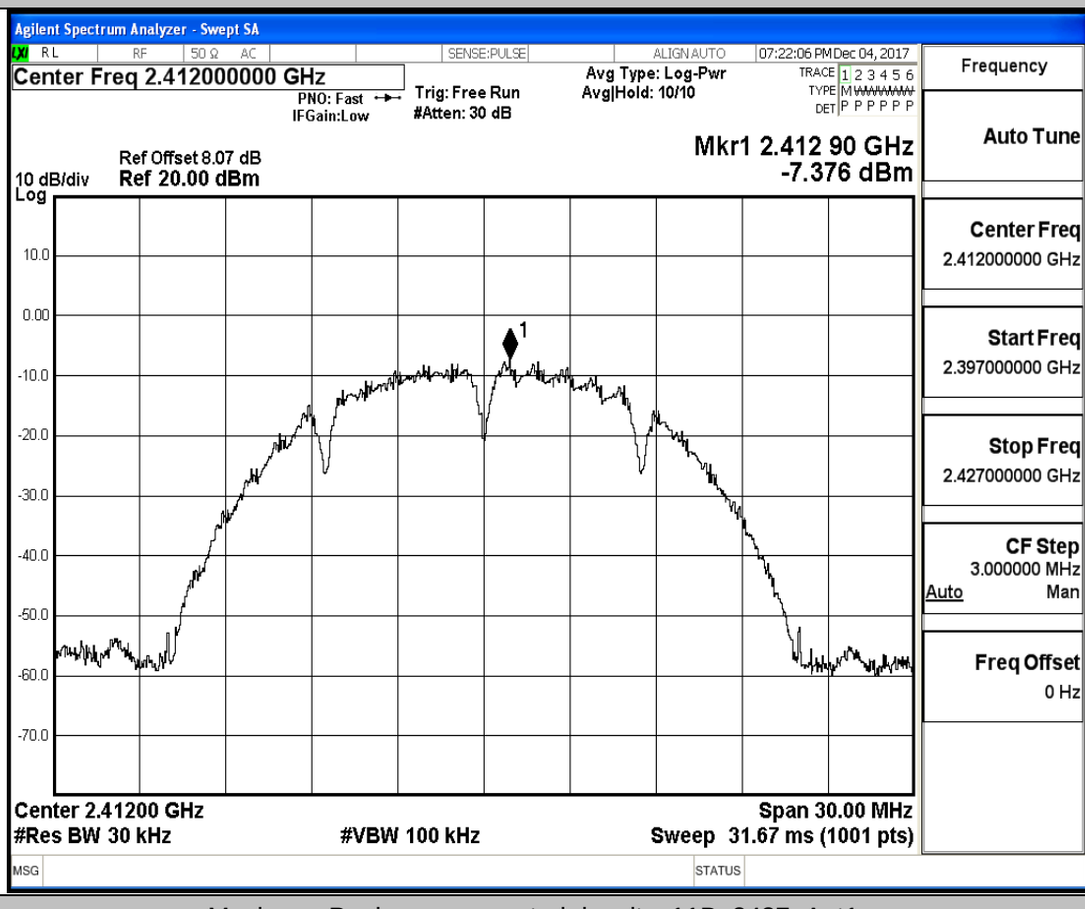
2.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	10.85	30	PASS
11B	2437	Ant1	10.87	30	PASS
11B	2462	Ant1	10.96	30	PASS
11G	2412	Ant1	11.48	30	PASS
11G	2437	Ant1	11.85	30	PASS
11G	2462	Ant1	11.96	30	PASS
11N20SISO	2412	Ant1	11.25	30	PASS
11N20SISO	2437	Ant1	11.32	30	PASS
11N20SISO	2462	Ant1	11.23	30	PASS

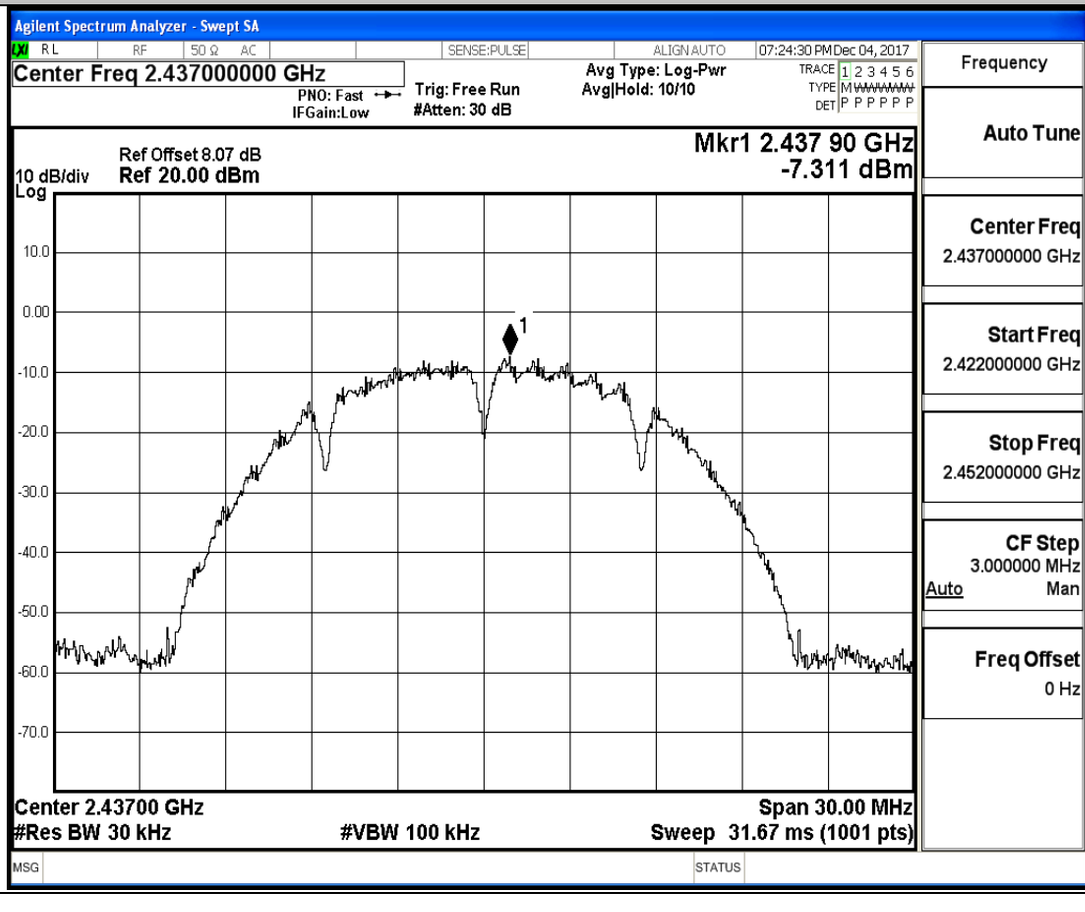
3.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/30KHz]	Limit[dBm/3KHz]	Verdict
11B	2412	Ant1	-7.376	8.00	PASS
11B	2437	Ant1	-7.311	8.00	PASS
11B	2462	Ant1	-7.135	8.00	PASS
11G	2412	Ant1	-13.461	8.00	PASS
11G	2437	Ant1	-13.151	8.00	PASS
11G	2462	Ant1	-12.937	8.00	PASS
11N20SISO	2412	Ant1	-13.198	8.00	PASS
11N20SISO	2437	Ant1	-13.112	8.00	PASS
11N20SISO	2462	Ant1	-13.250	8.00	PASS

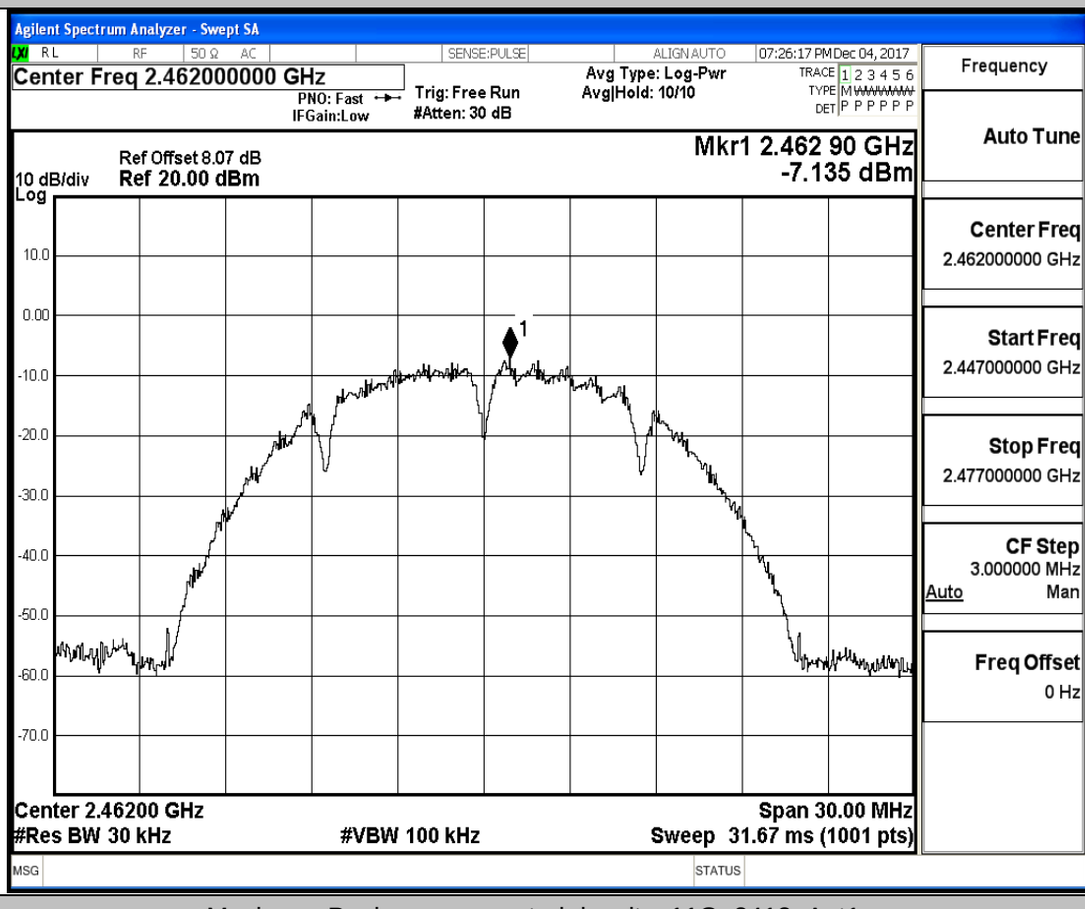
Maximum Peak power spectral density_11B_2412_Ant1



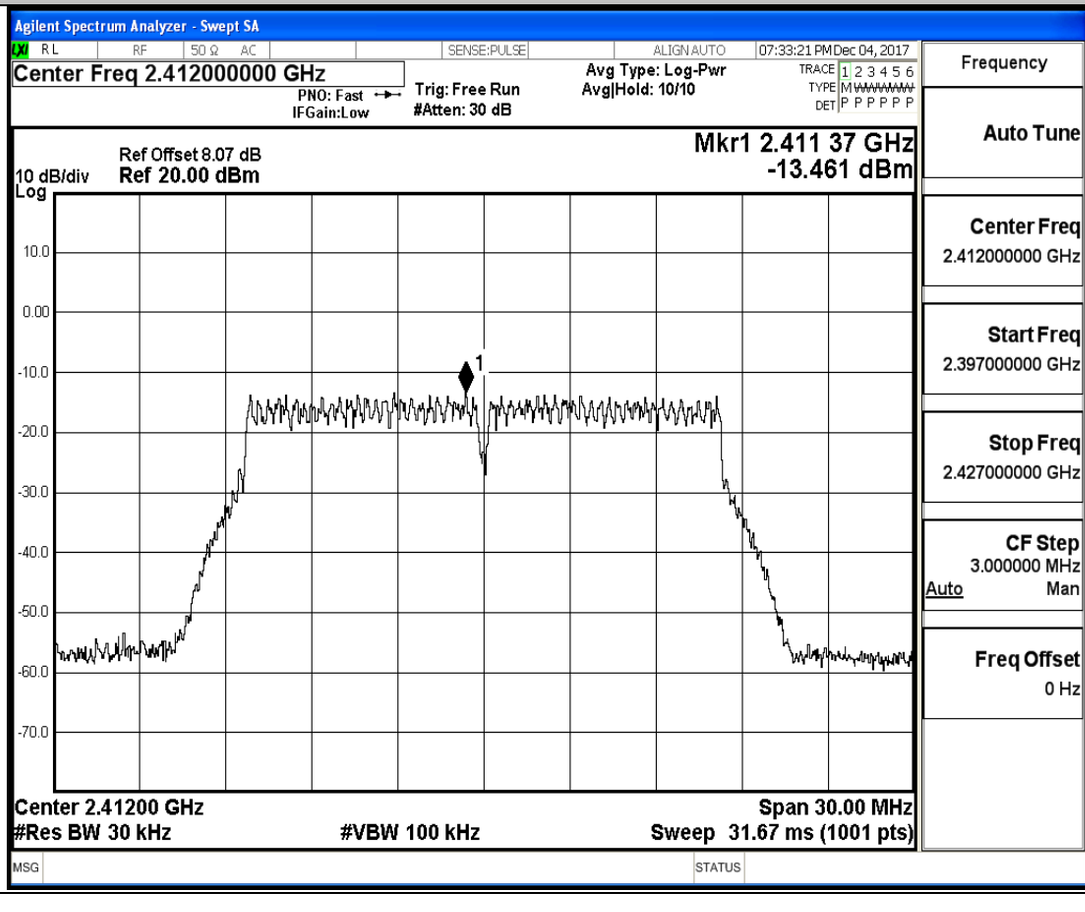
Maximum Peak power spectral density_11B_2437_Ant1



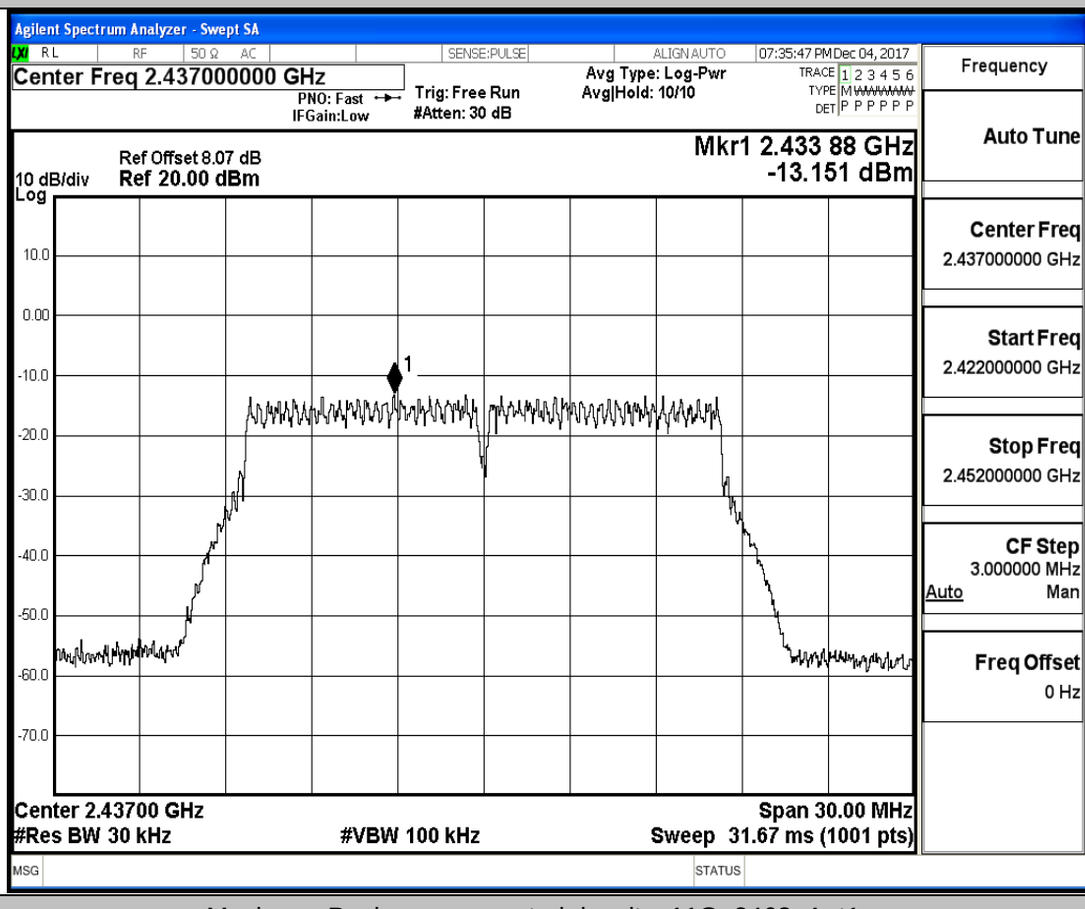
Maximum Peak power spectral density_11B_2462_Ant1



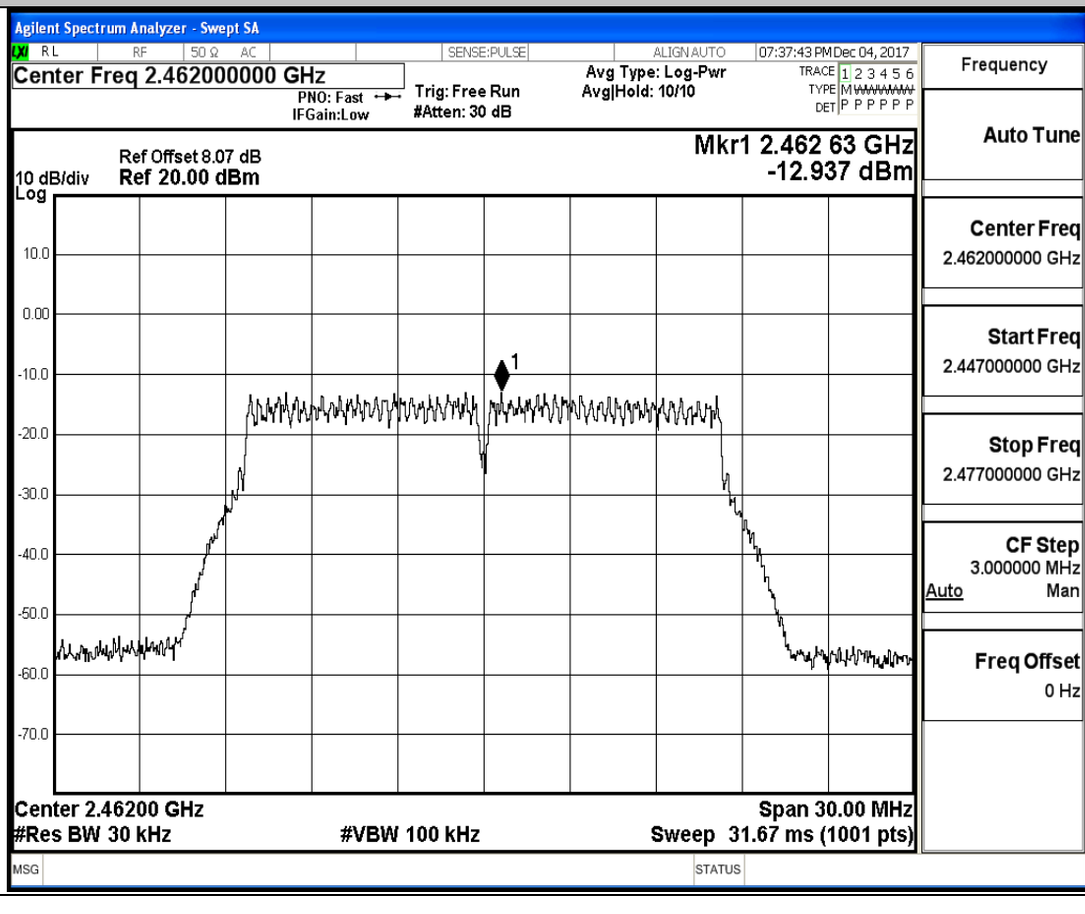
Maximum Peak power spectral density_11G_2412_Ant1



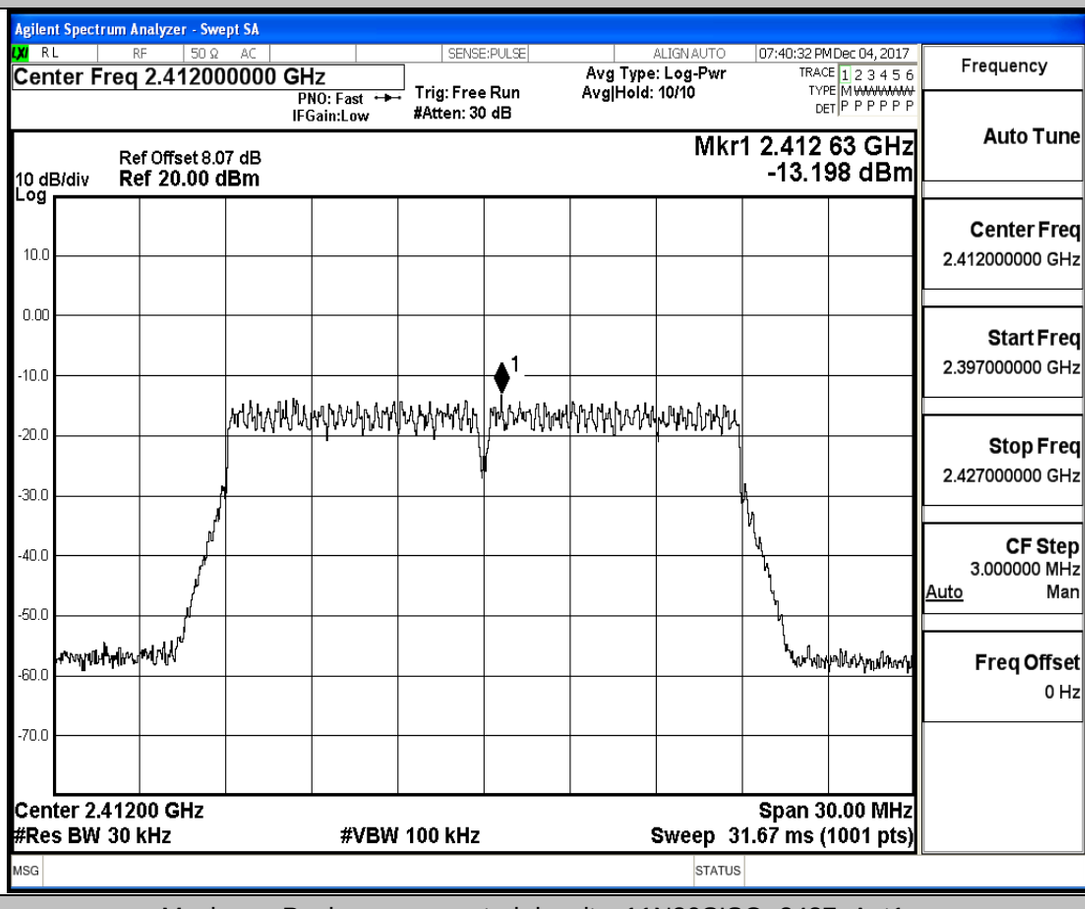
Maximum Peak power spectral density_11G_2437_Ant1



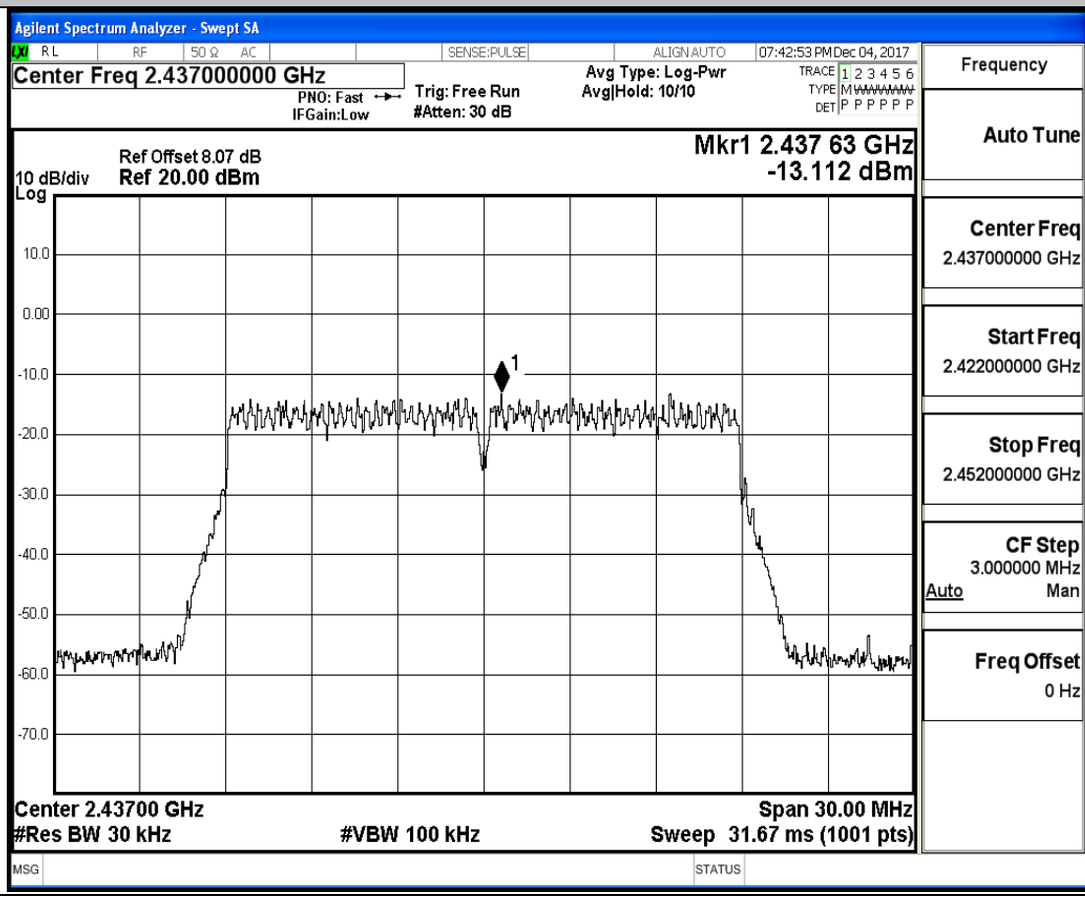
Maximum Peak power spectral density_11G_2462_Ant1



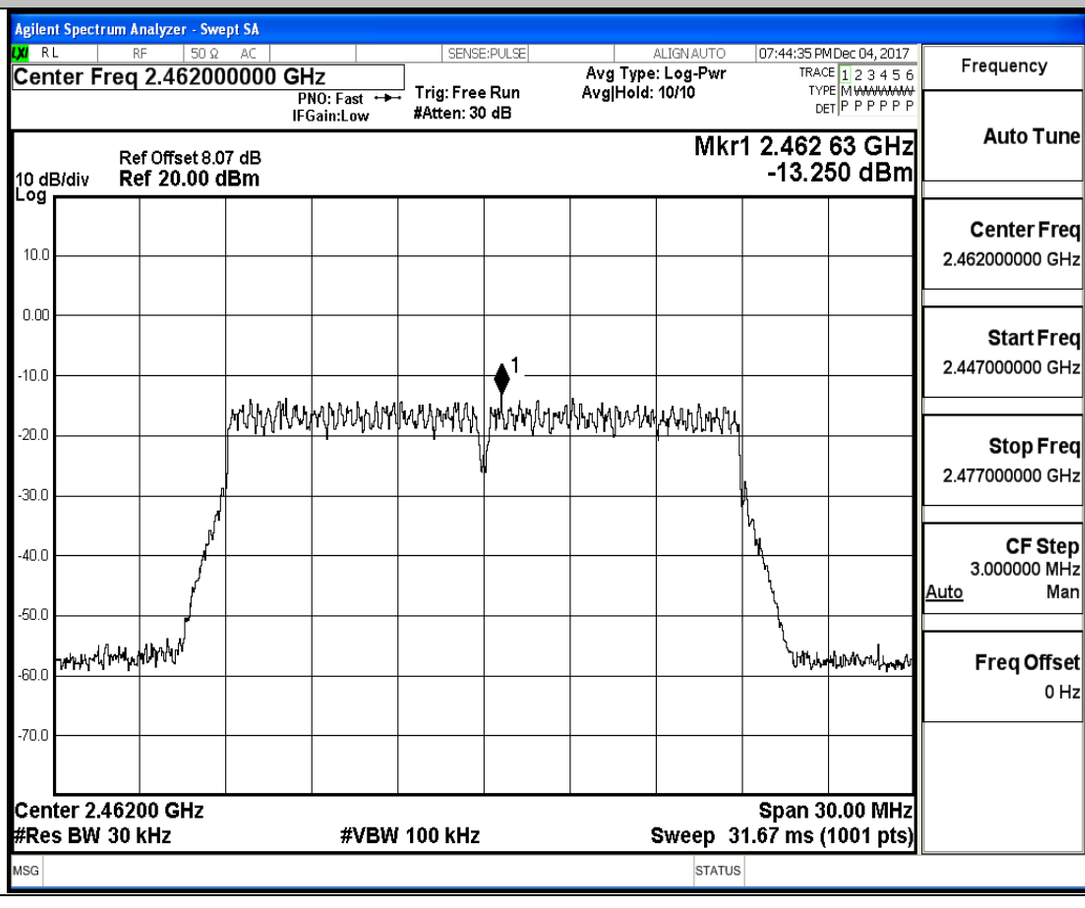
Maximum Peak power spectral density_11N20SISO_2412_Ant1



Maximum Peak power spectral density_11N20SISO_2437_Ant1



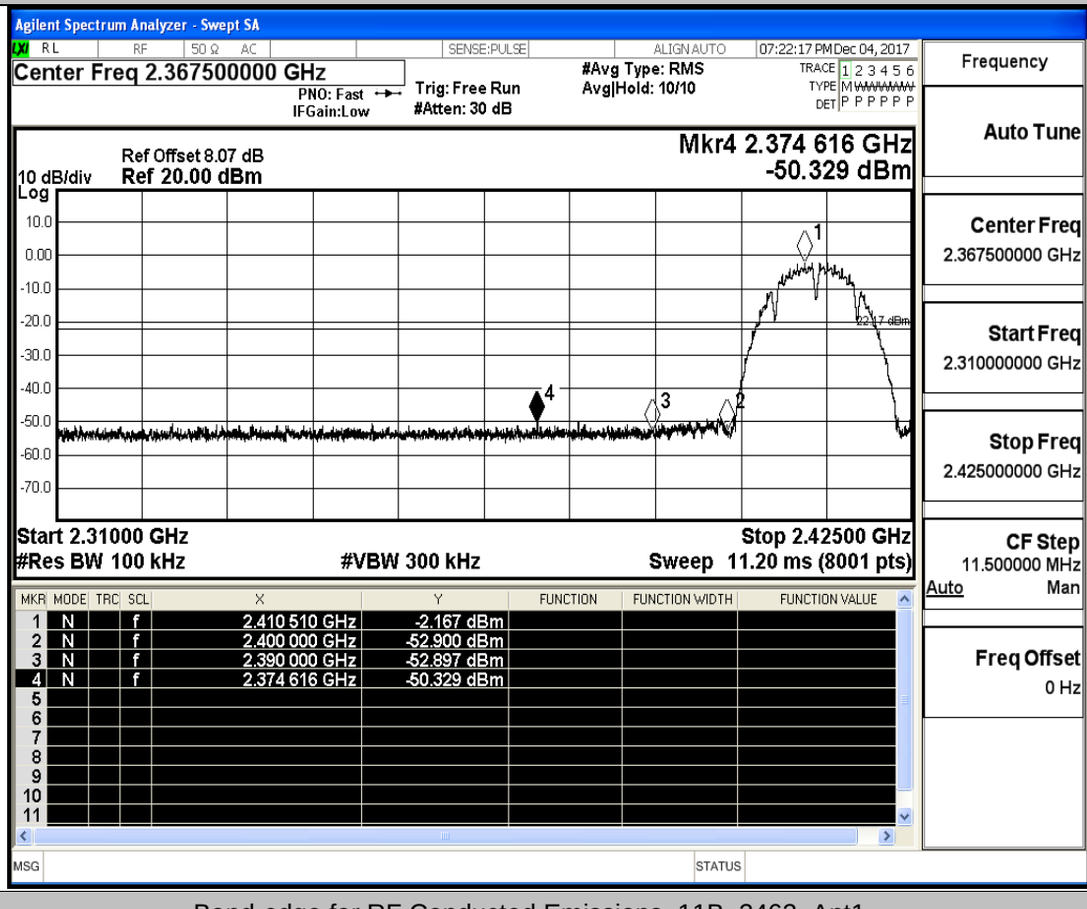
Maximum Peak power spectral density_11N20SISO_2462_Ant1



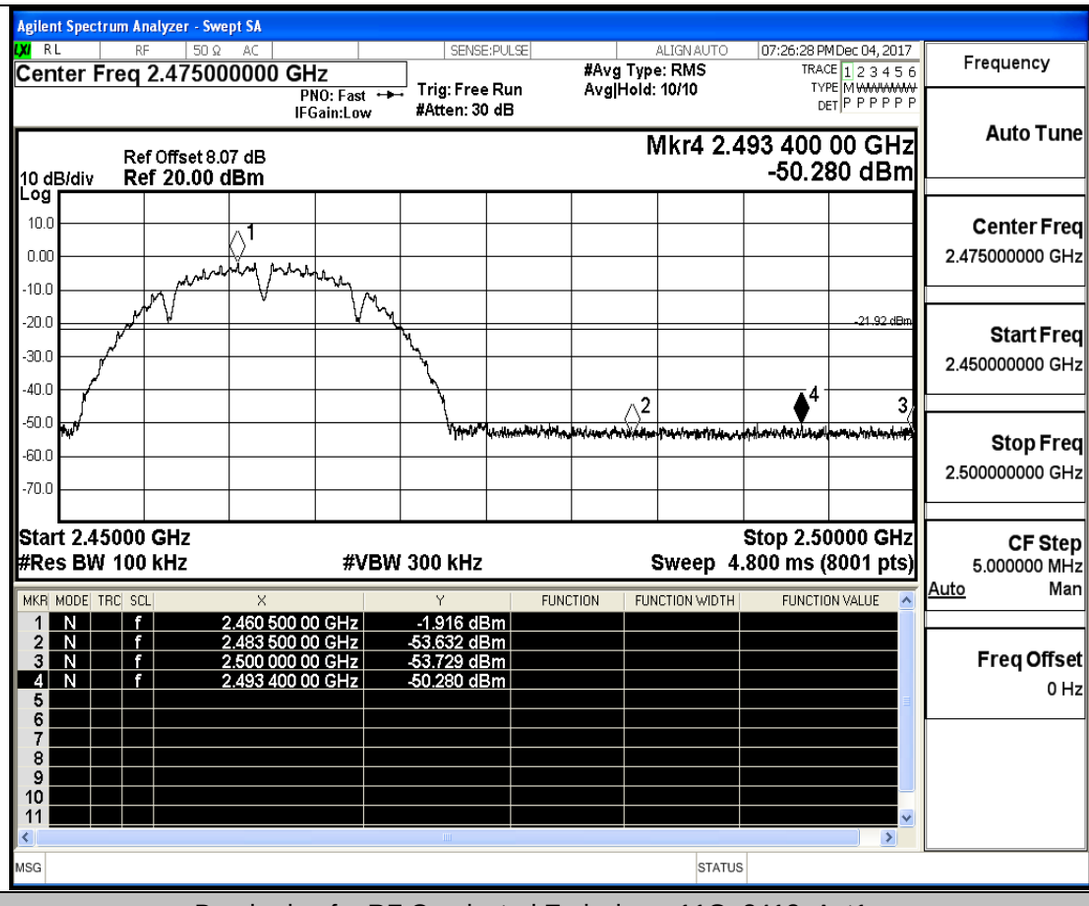
4.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	-2.167	-50.329	-22.17	PASS
11B	2462	Ant1	-1.916	-50.280	-21.92	PASS
11G	2412	Ant1	-10.476	-48.748	-30.48	PASS
11G	2462	Ant1	-10.001	-49.994	-30.00	PASS
11N20SISO	2412	Ant1	-10.413	-48.921	-30.41	PASS
11N20SISO	2462	Ant1	-10.566	-50.297	-30.57	PASS

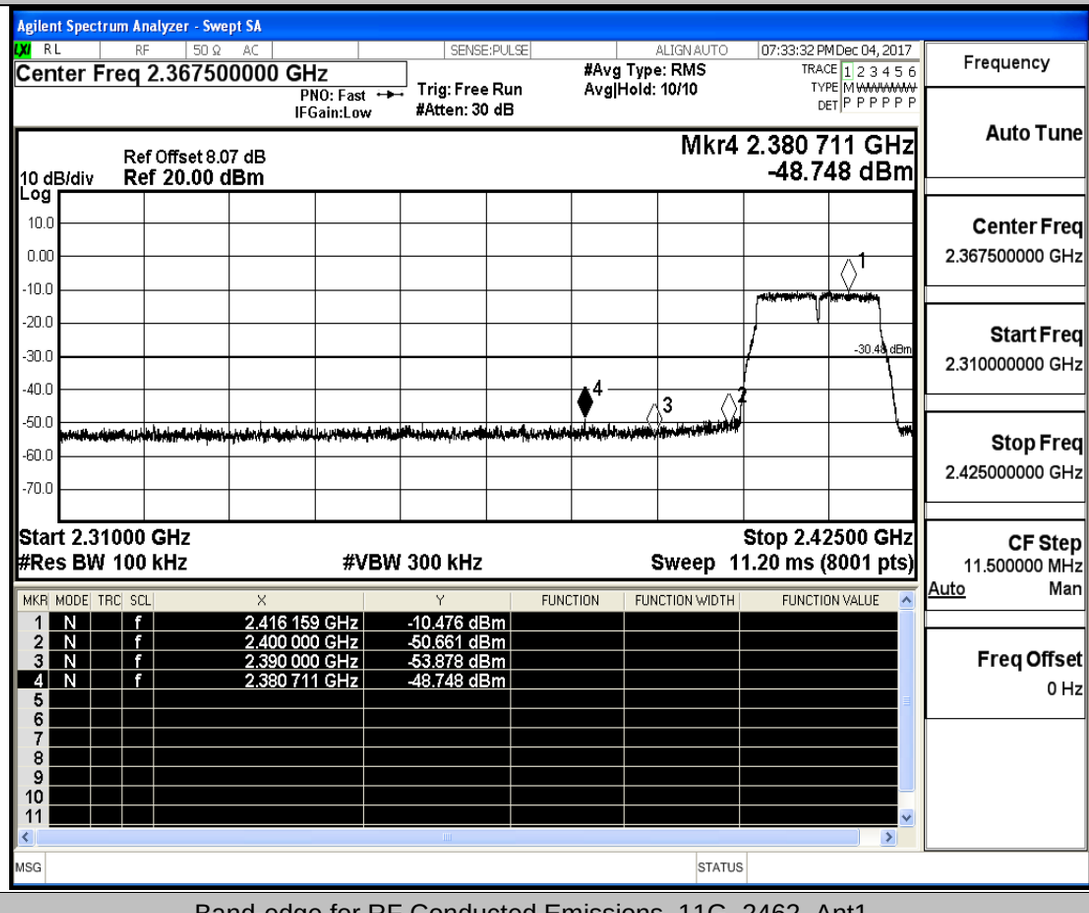
Band-edge for RF Conducted Emissions_11B_2412_Ant1



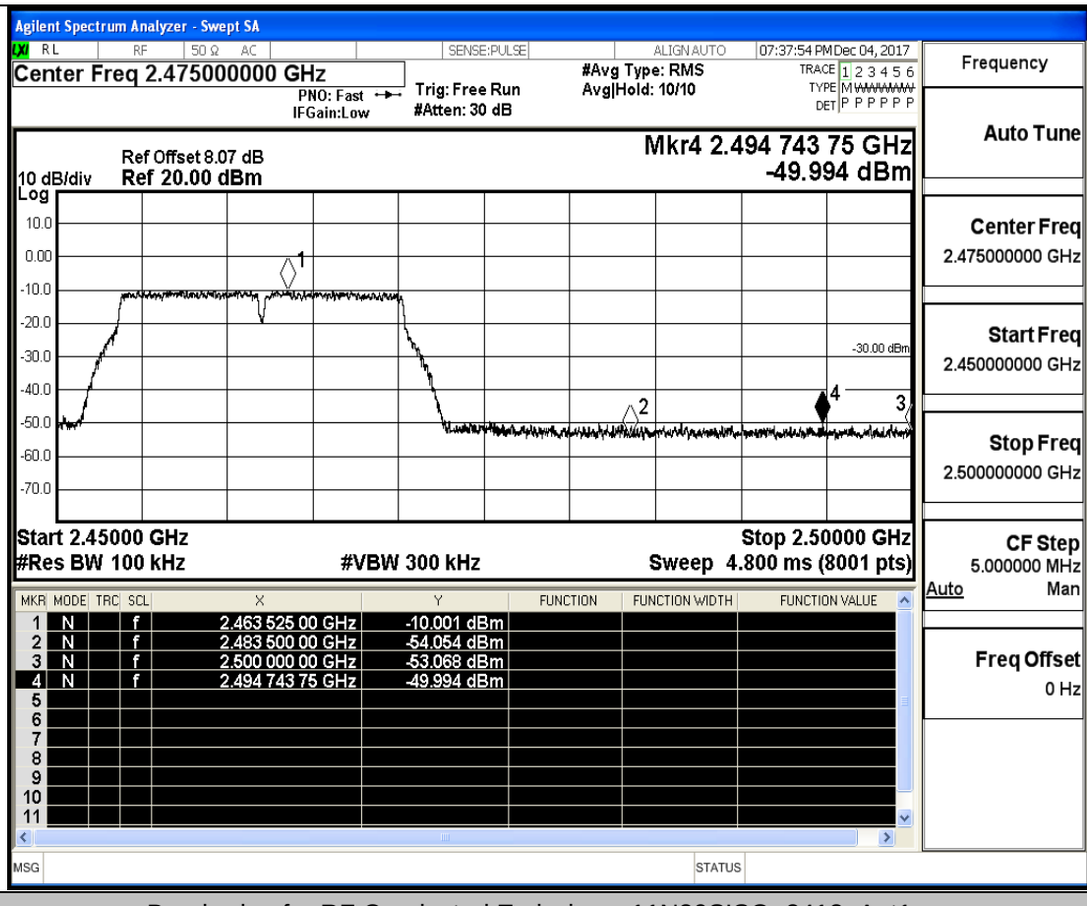
Band-edge for RF Conducted Emissions_11B_2462_Ant1



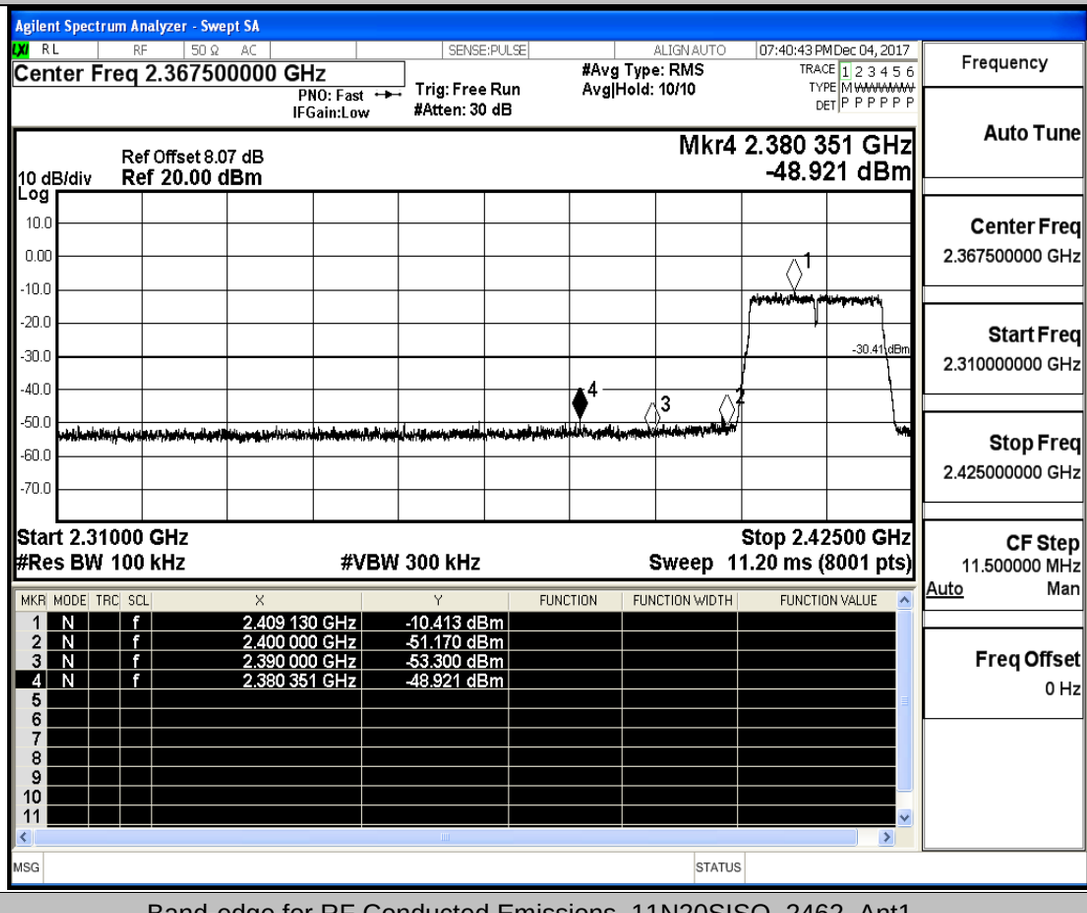
Band-edge for RF Conducted Emissions_11G_2412_Ant1



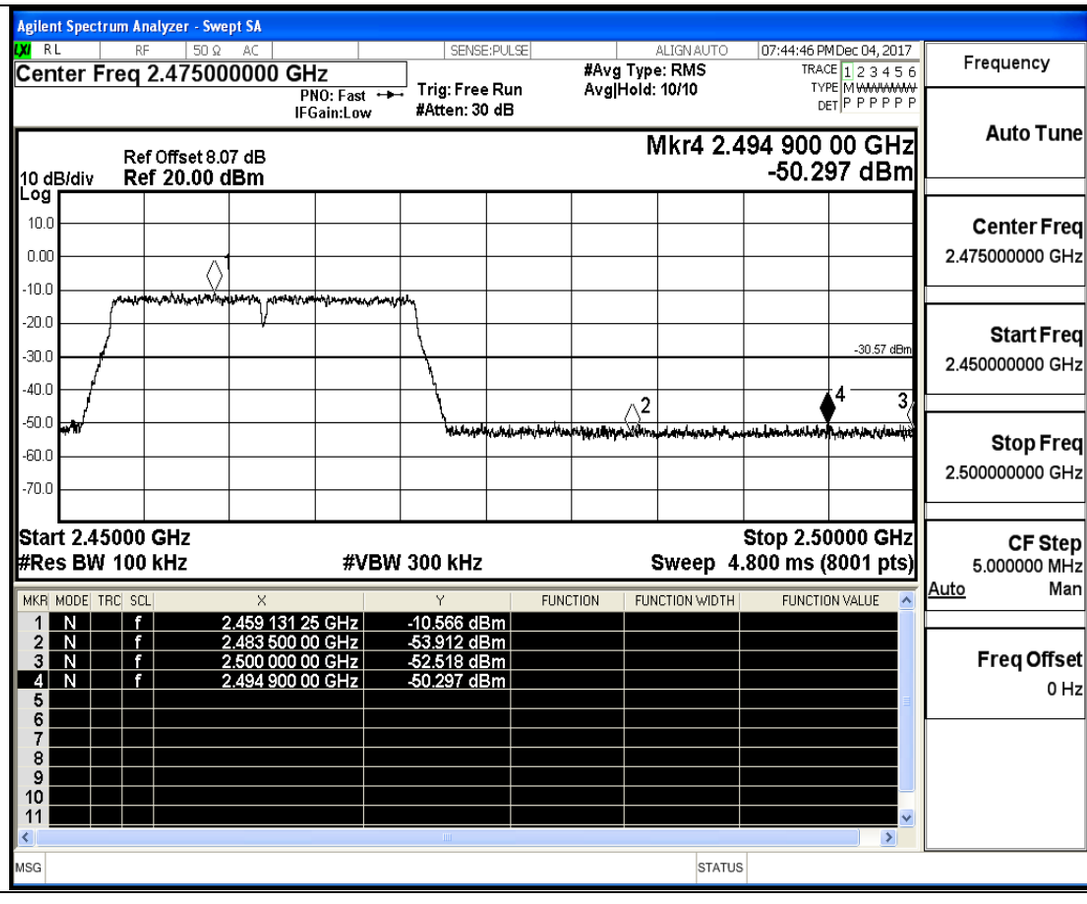
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



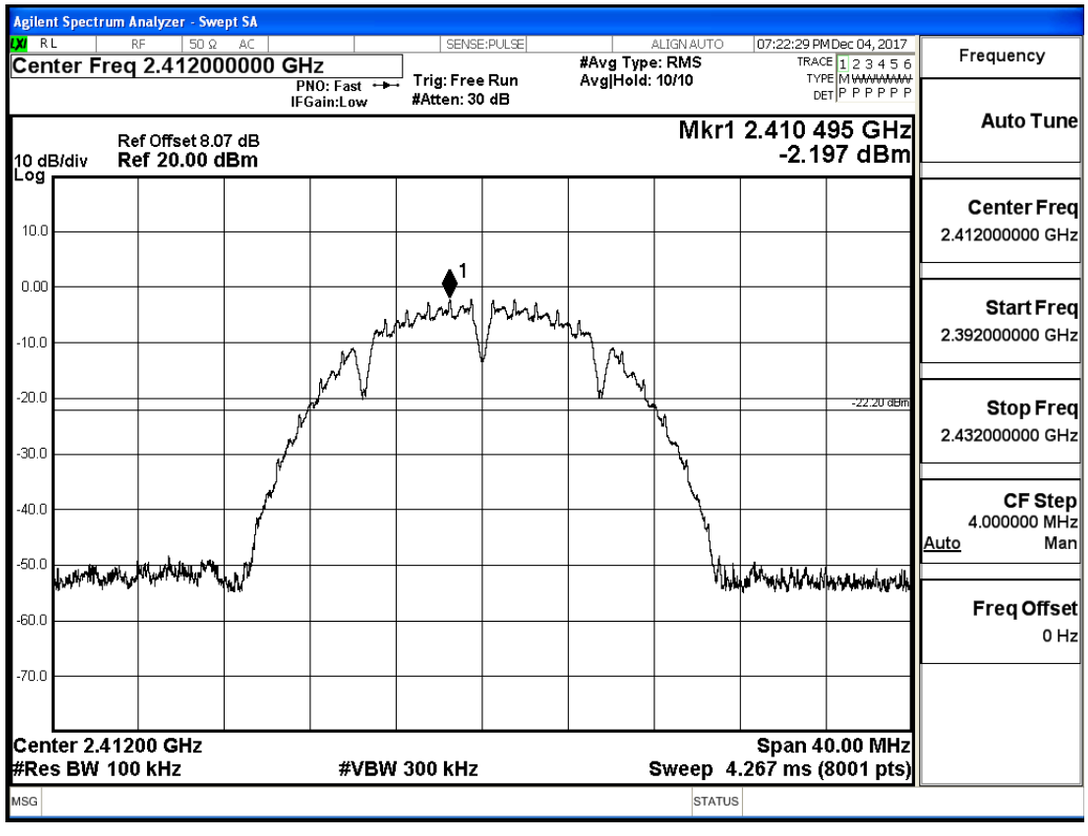
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1

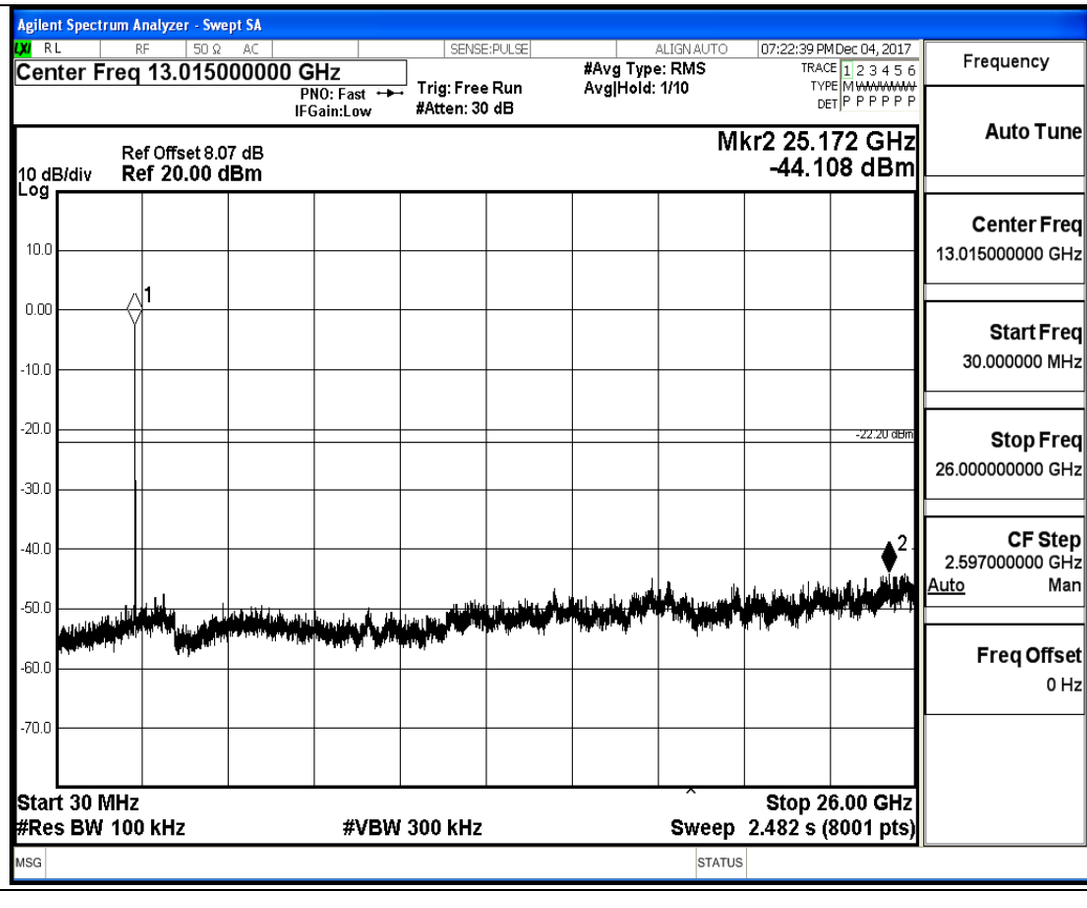

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:PULSE
ALIGN AUTO
07:44:46 PM Dec 04, 2017
Center Freq 2.475000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/10
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P
Ref Offset 8.07 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 2.494 900 00 GHz
-50.297 dBm
-30.57 dBm
Start 2.45000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.50000 GHz
Sweep 4.800 ms (8001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N f 2.459 131 25 GHz -10.566 dBm
2 N f 2.483 500 00 GHz -53.912 dBm
3 N f 2.500 000 00 GHz -52.518 dBm
4 N f 2.494 900 00 GHz -50.297 dBm
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.475000000 GHz
Start Freq
2.450000000 GHz
Stop Freq
2.500000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.RF Conducted Spurious Emissions

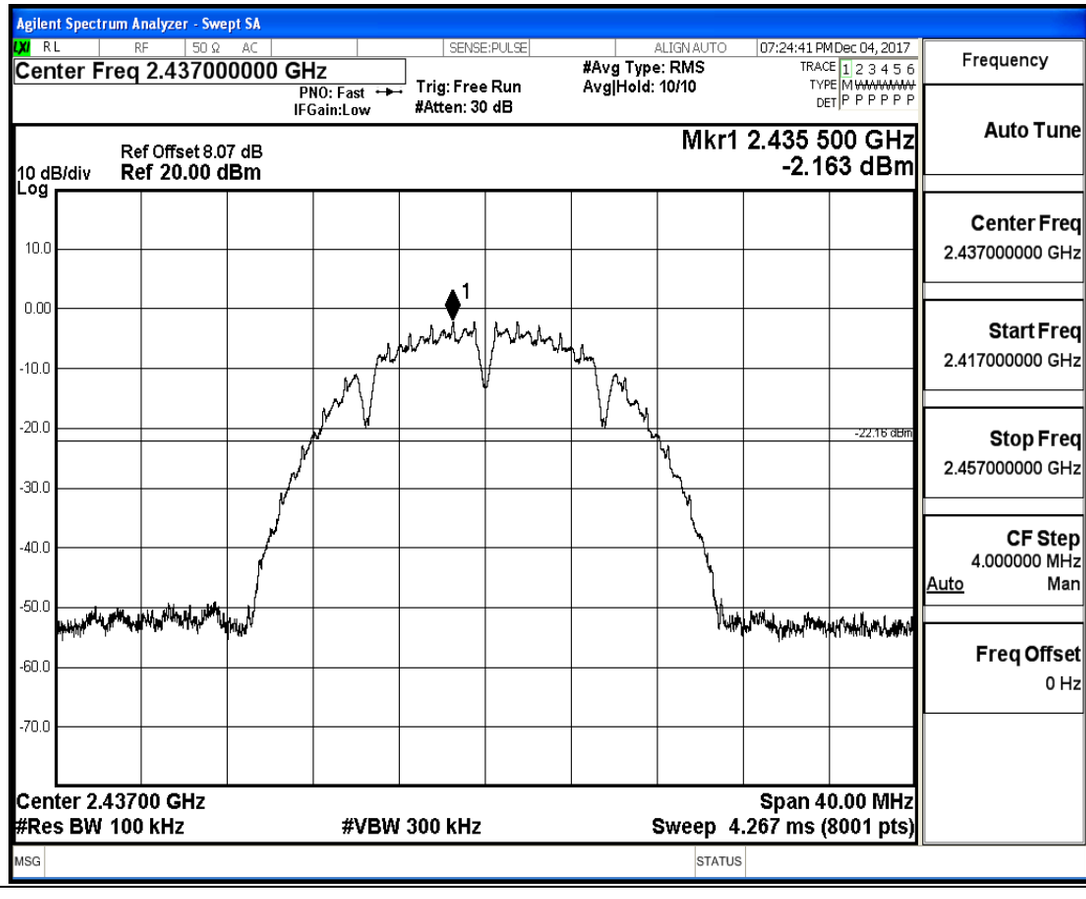
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	26000	100	300	-2.197	-44.108	<-22.197	PASS
11B	2437	Ant1	30	26000	100	300	-2.163	-42.949	<-22.163	PASS
11B	2462	Ant1	30	26000	100	300	-1.982	-43.488	<-21.982	PASS
11G	2412	Ant1	30	26000	100	300	-10.476	-42.813	<-30.476	PASS
11G	2437	Ant1	30	26000	100	300	-10.167	-43.411	<-30.167	PASS
11G	2462	Ant1	30	26000	100	300	-9.955	-43.630	<-29.955	PASS
11N20SISO	2412	Ant1	30	26000	100	300	-10.495	-43.283	<-30.495	PASS
11N20SISO	2437	Ant1	30	26000	100	300	-10.47	-43.162	<-30.47	PASS
11N20SISO	2462	Ant1	30	26000	100	300	-10.417	-43.654	<-30.417	PASS

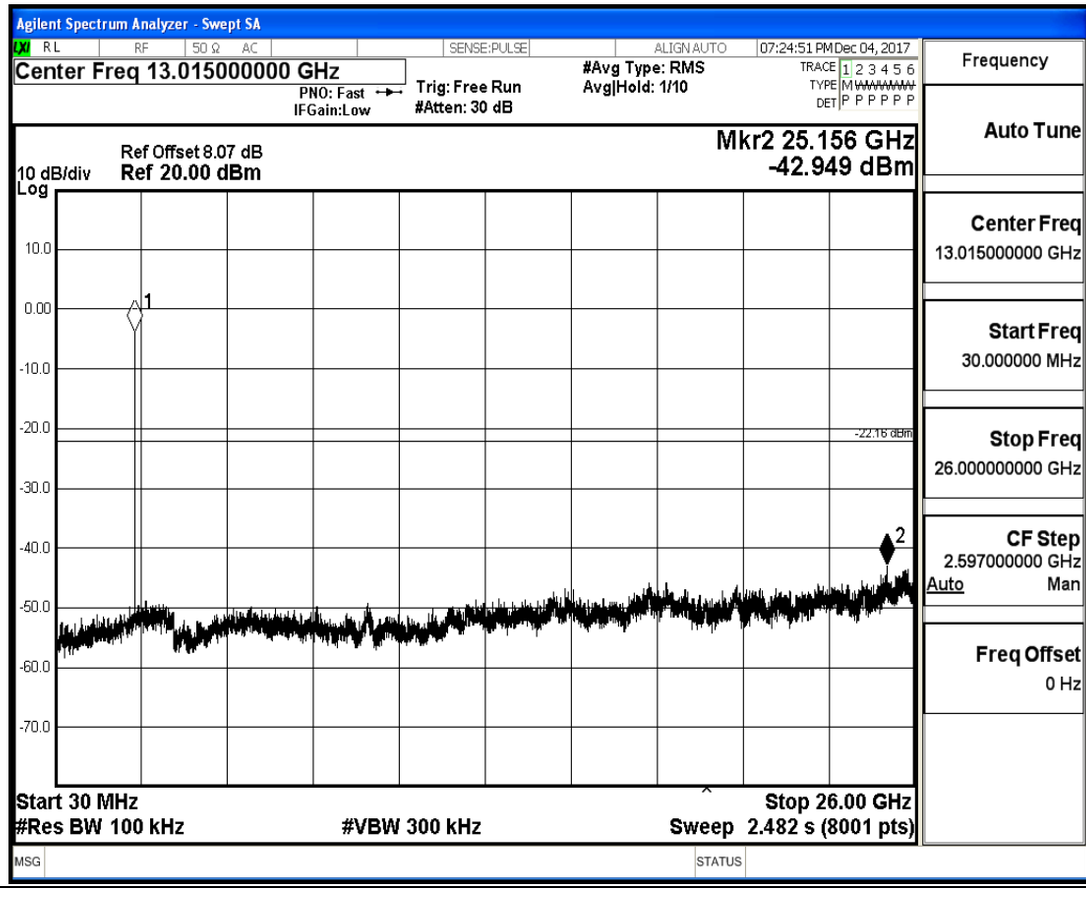
RF Conducted Spurious Emissions_11B_2412_Ant1



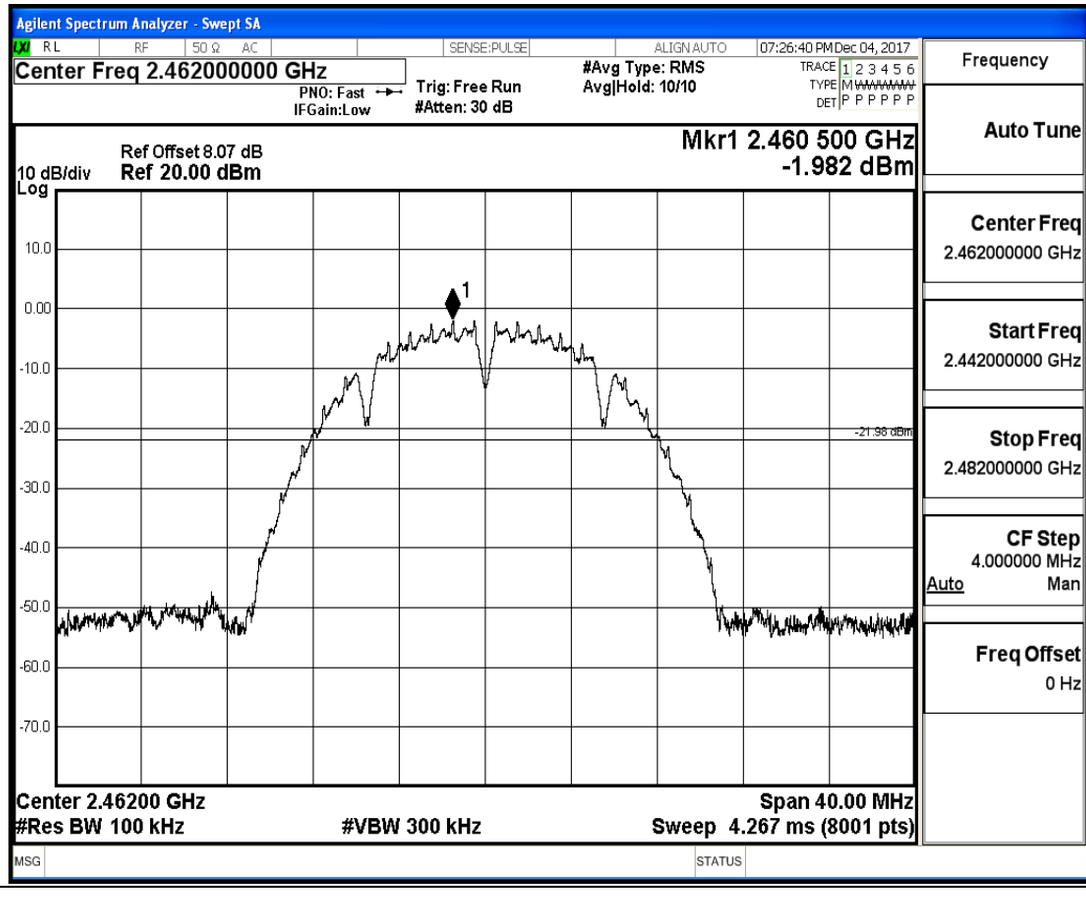


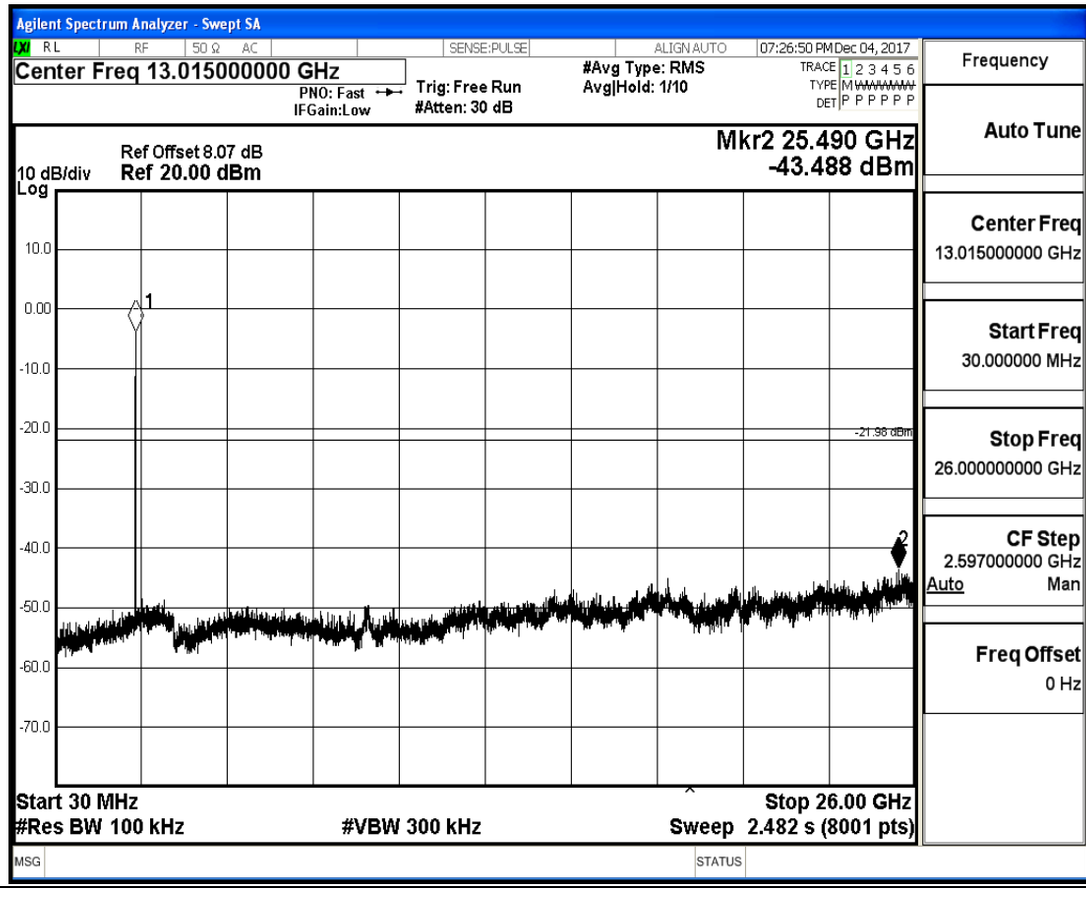
RF Conducted Spurious Emissions_11B_2437_Ant1



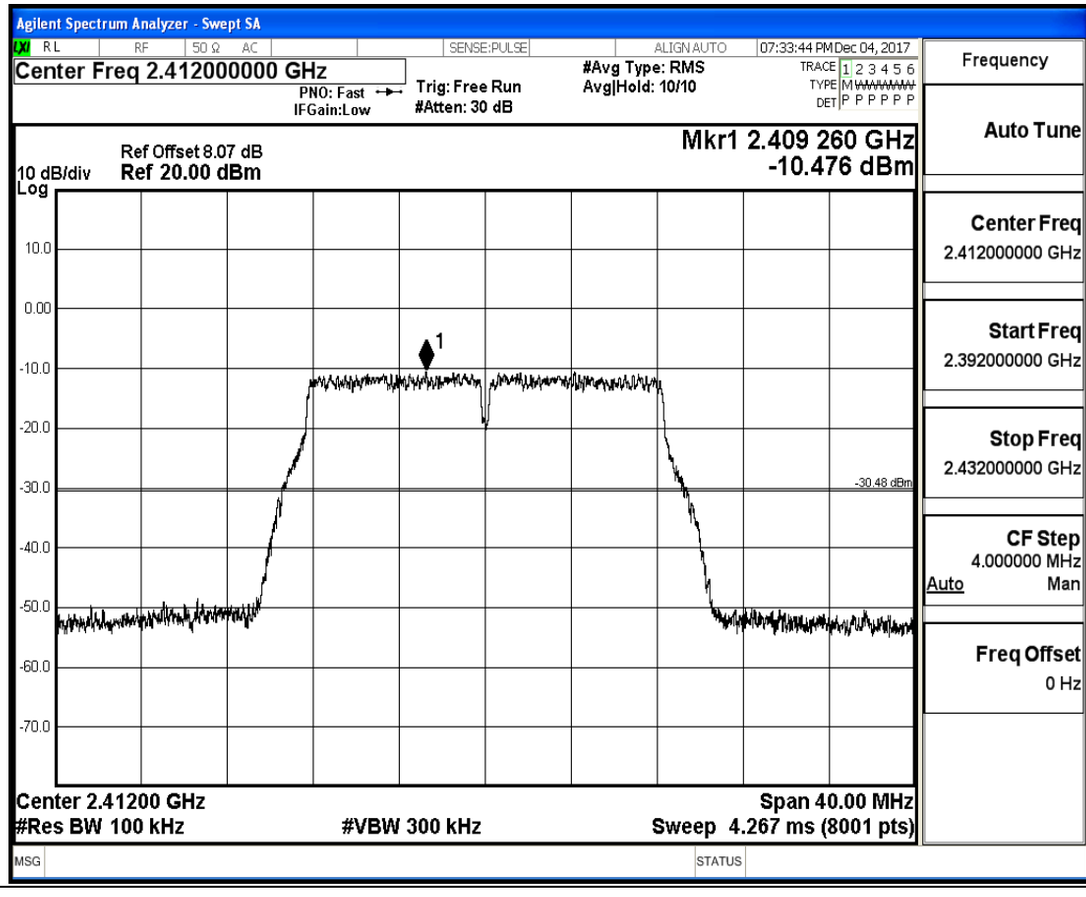


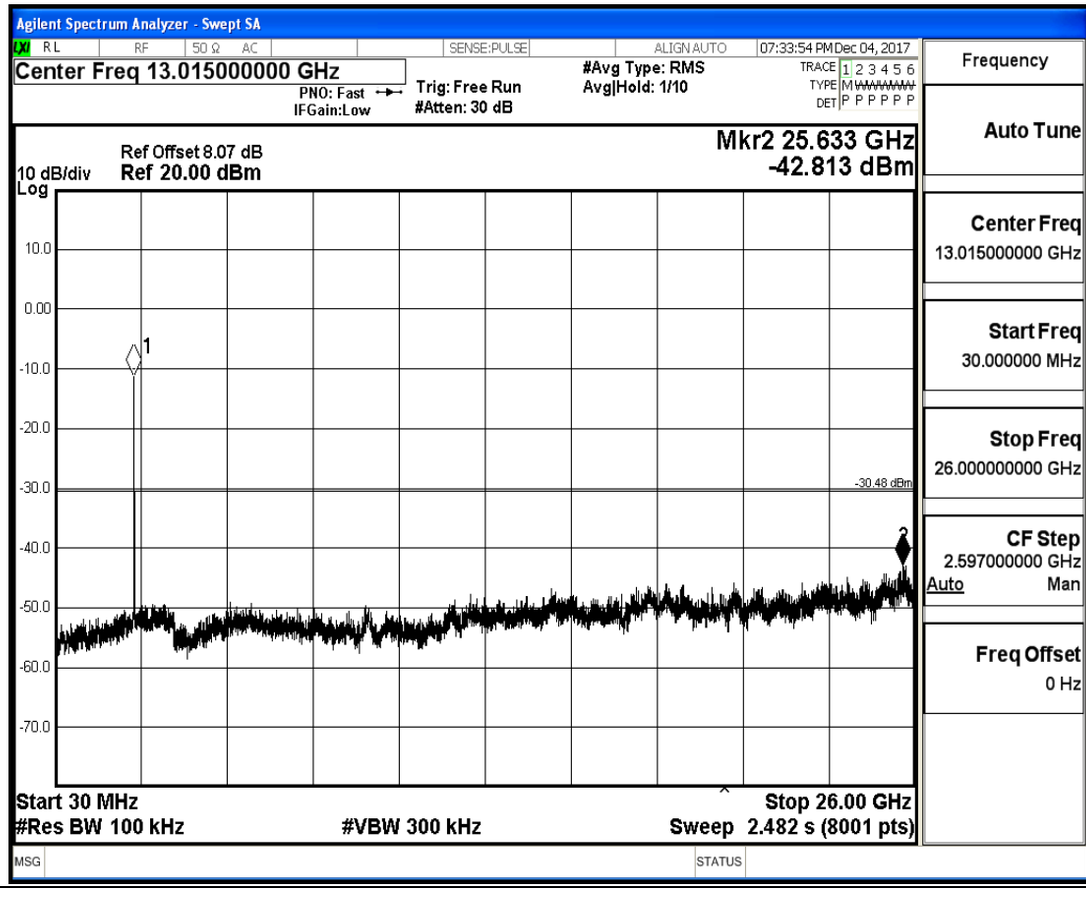
RF Conducted Spurious Emissions_11B_2462_Ant1



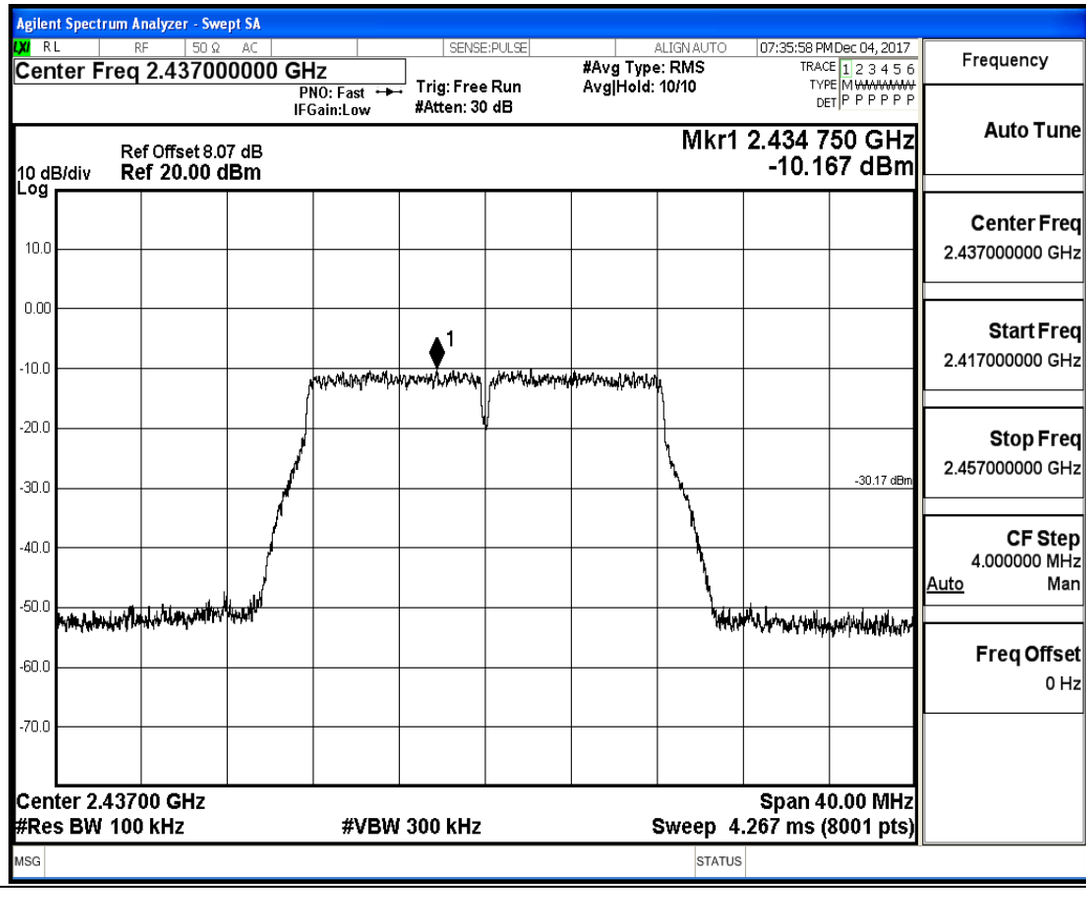


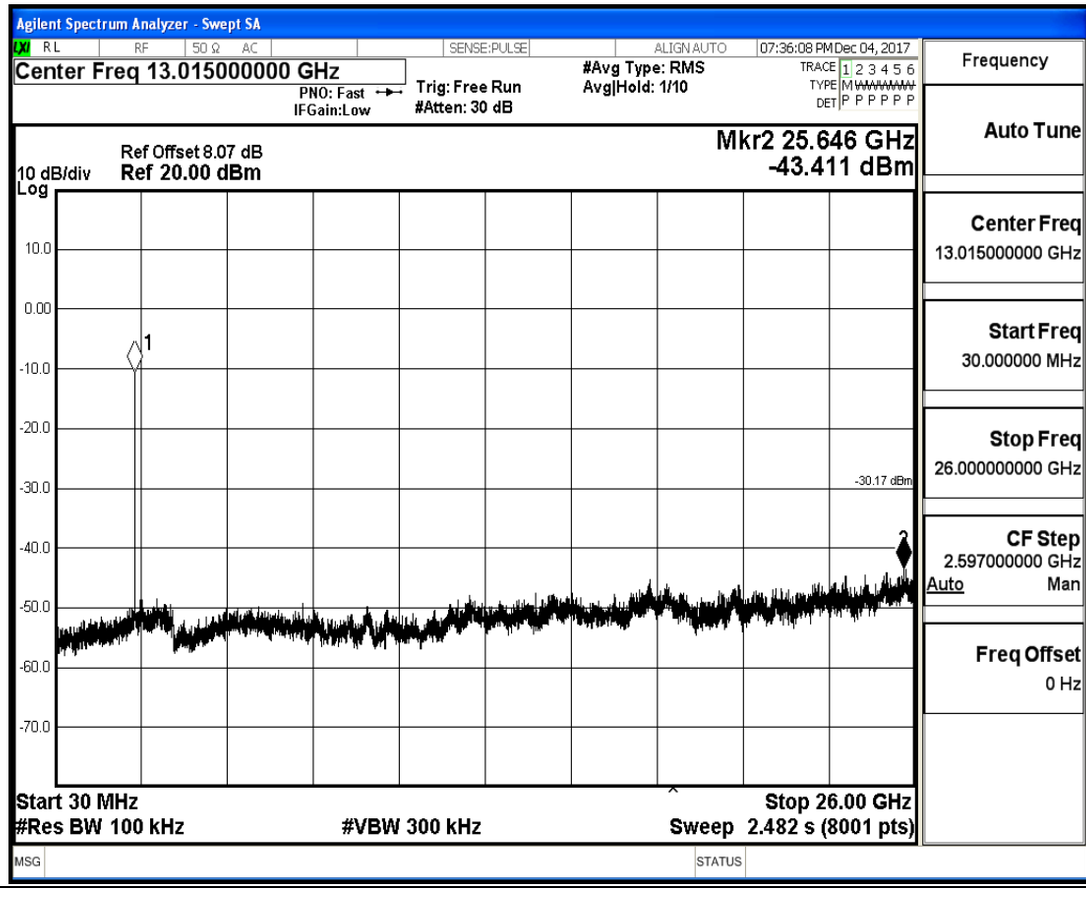
RF Conducted Spurious Emissions_11G_2412_Ant1



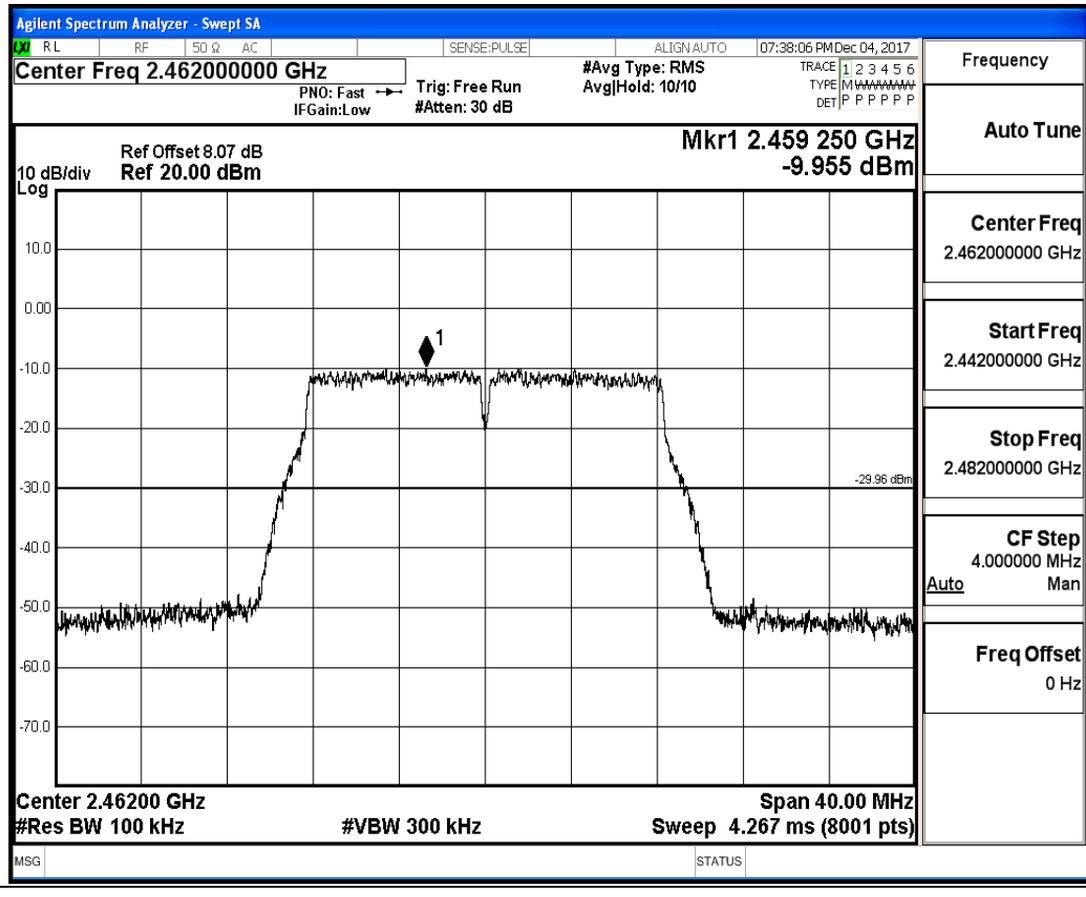


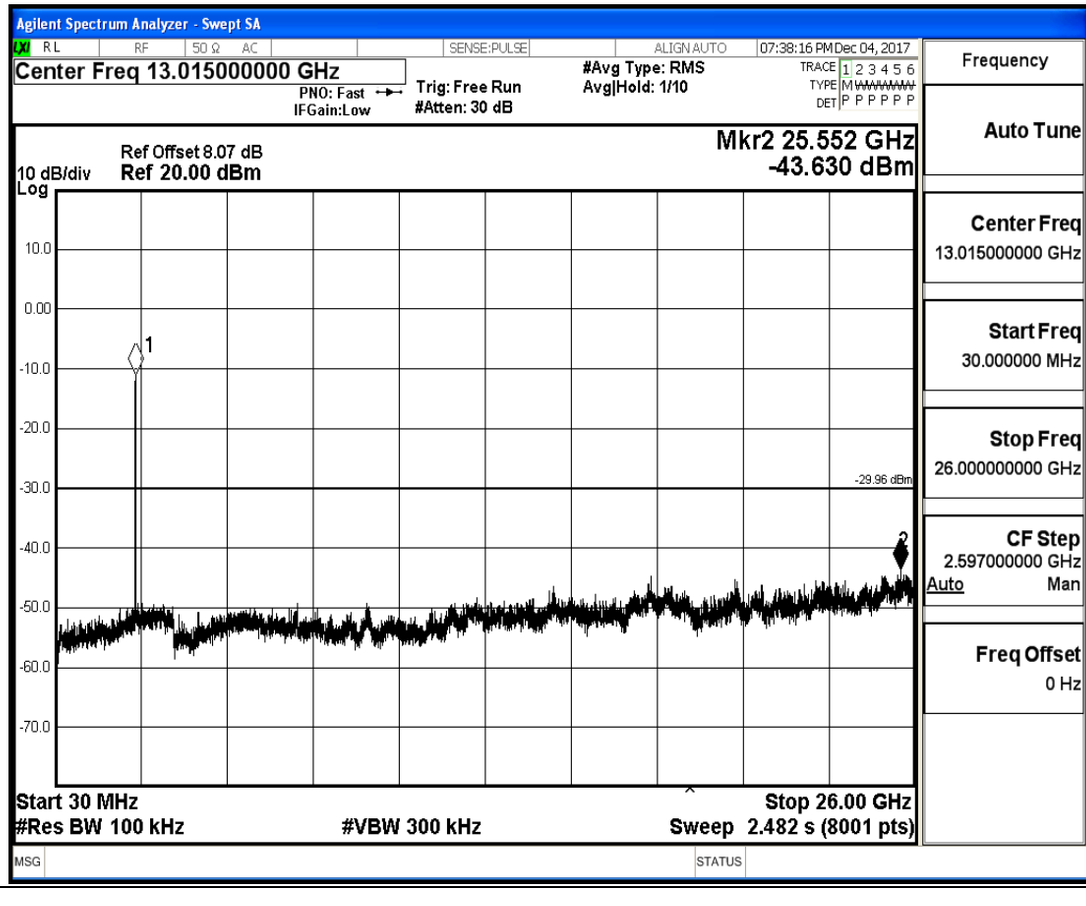
RF Conducted Spurious Emissions_11G_2437_Ant1



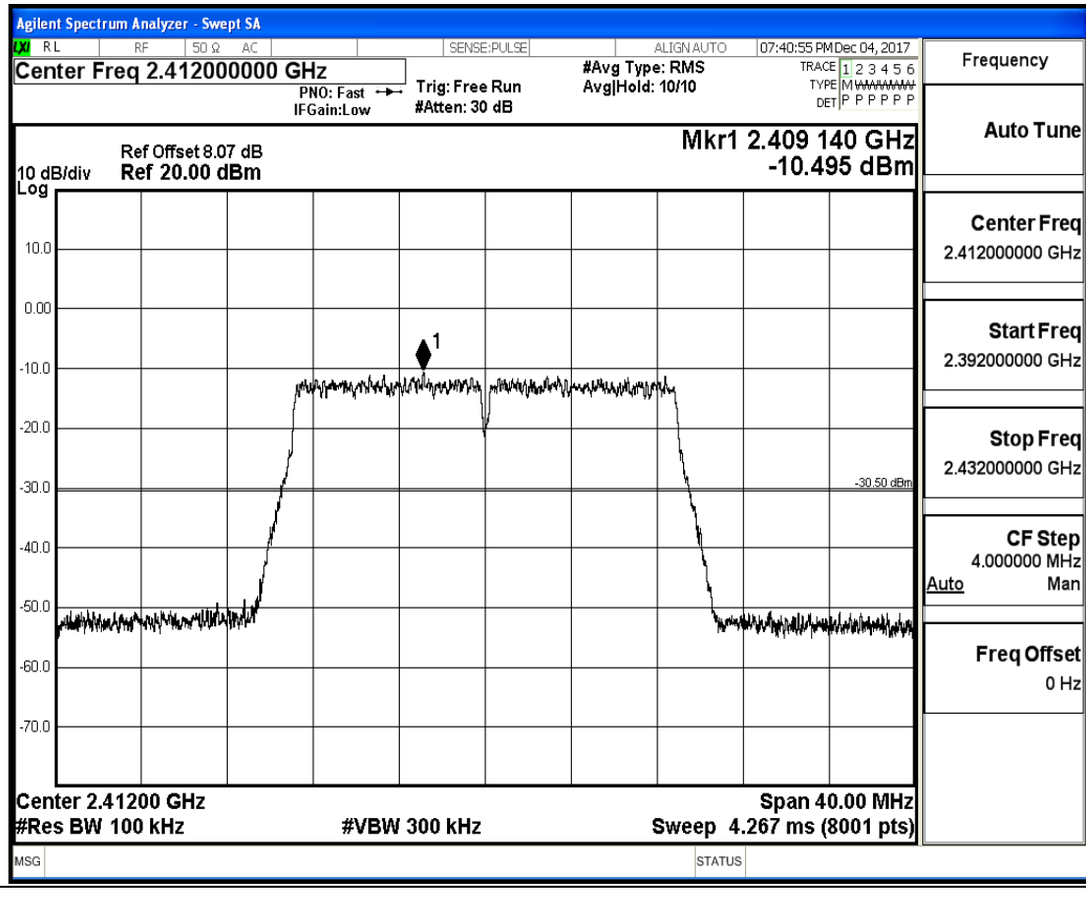


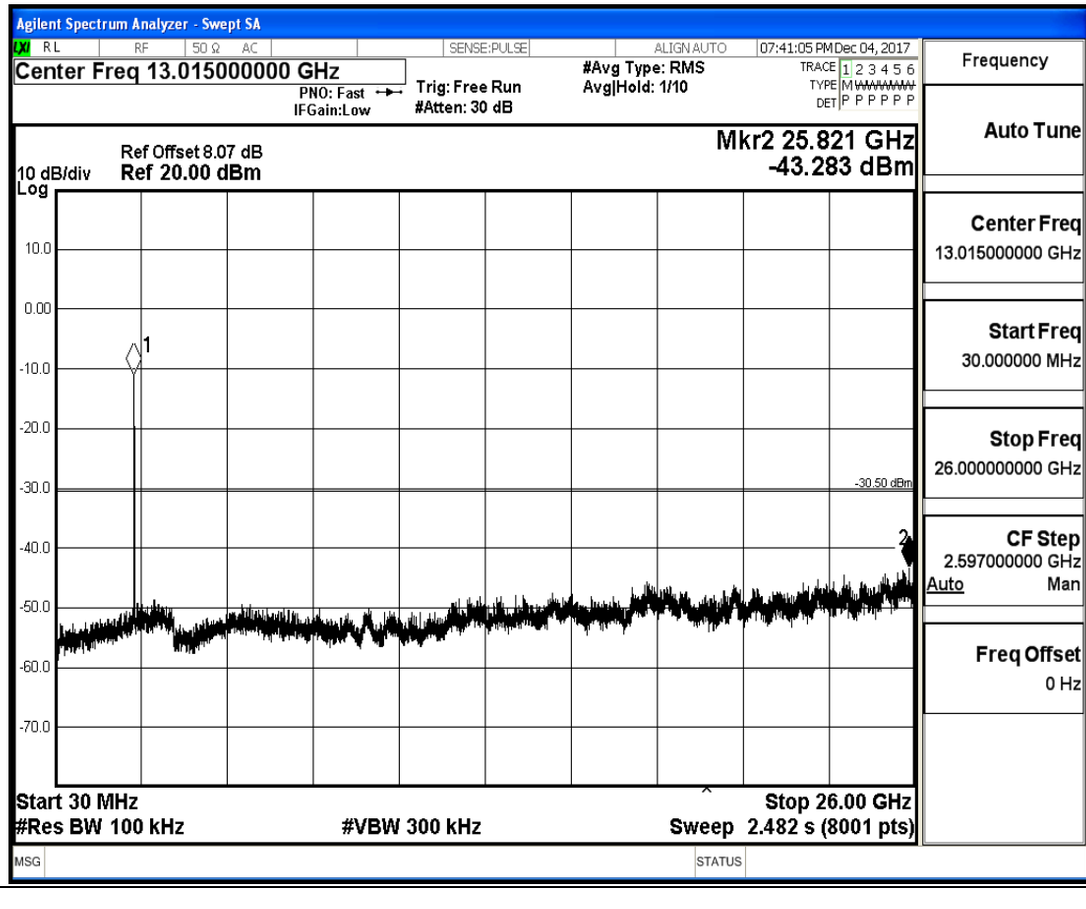
RF Conducted Spurious Emissions_11G_2462_Ant1



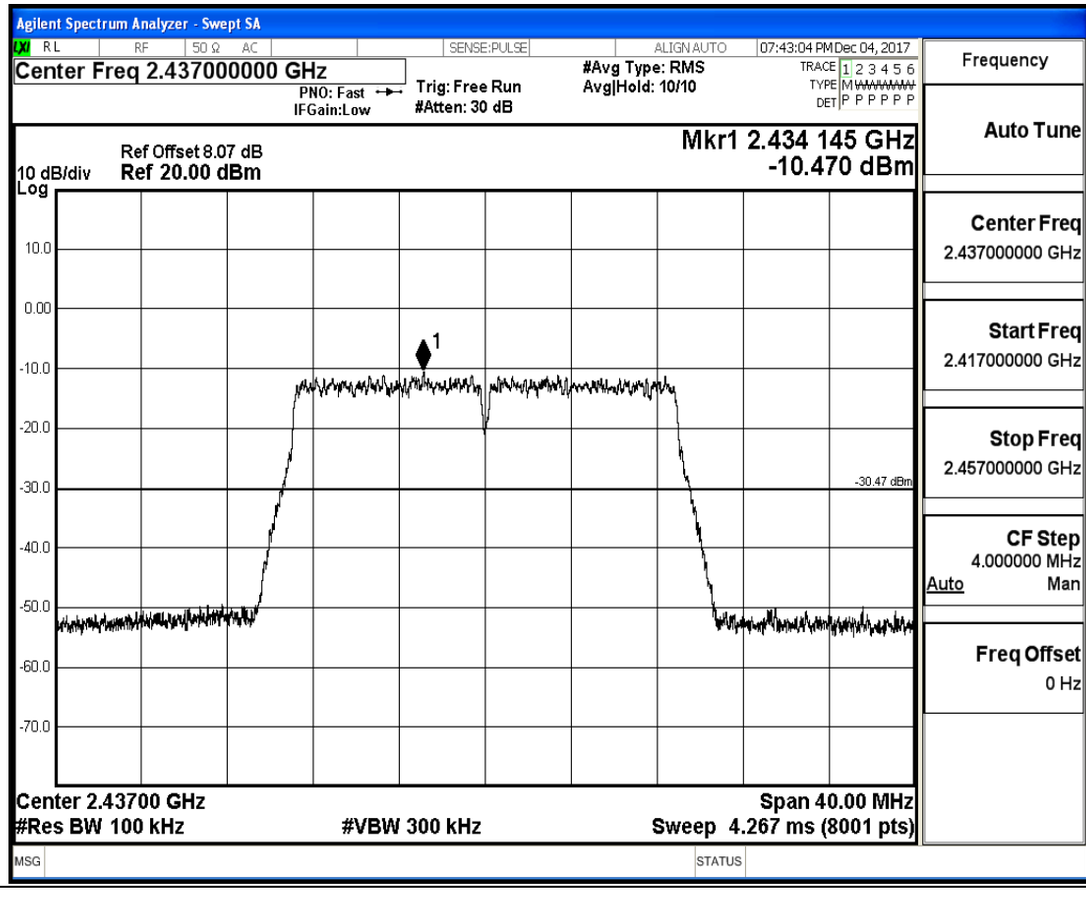


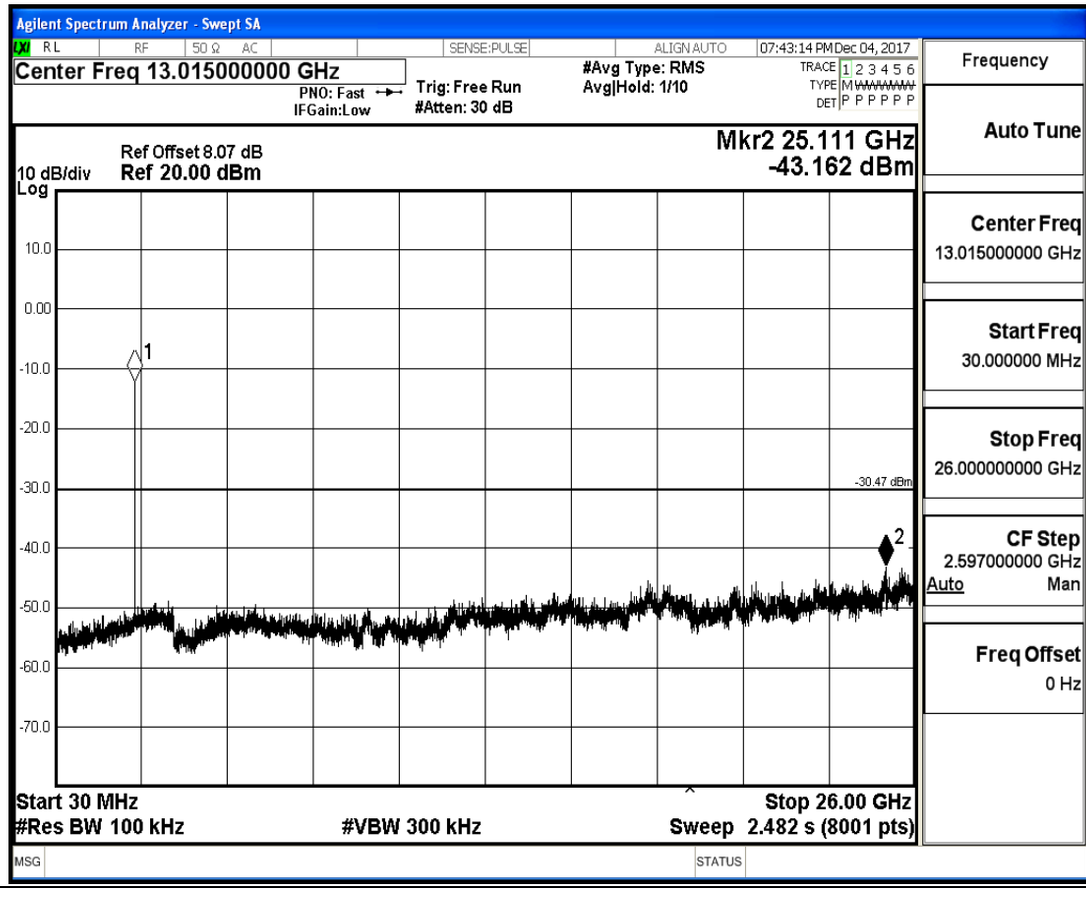
RF Conducted Spurious Emissions_11N20SISO_2412_Ant1



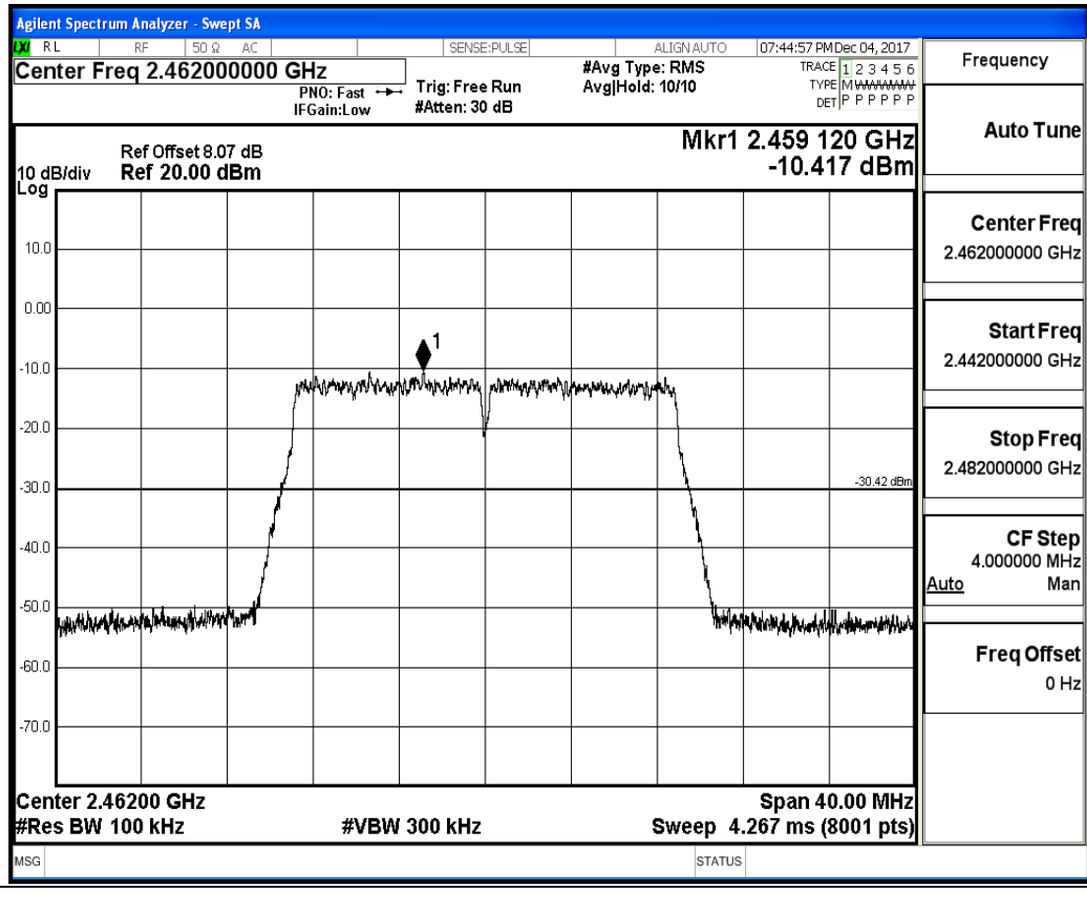


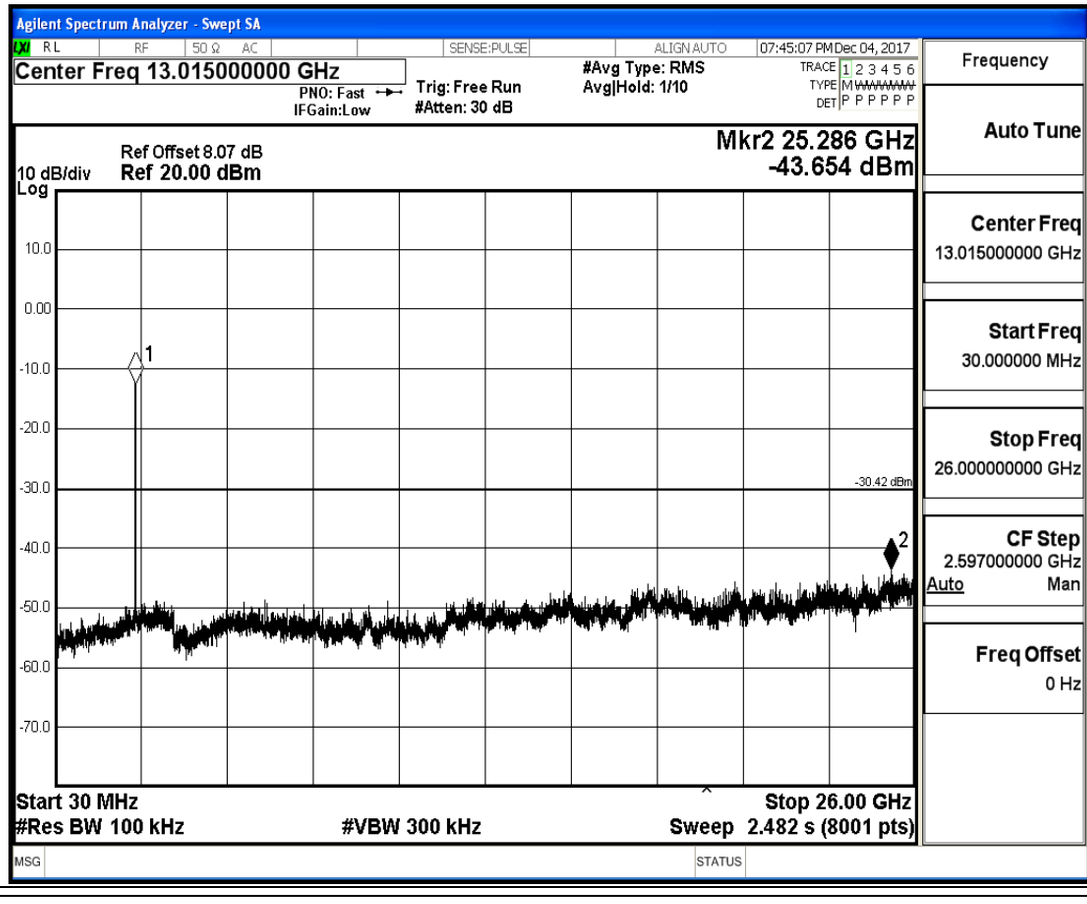
RF Conducted Spurious Emissions_11N20SISO_2437_Ant1





RF Conducted Spurious Emissions_11N20SISO_2462_Ant1

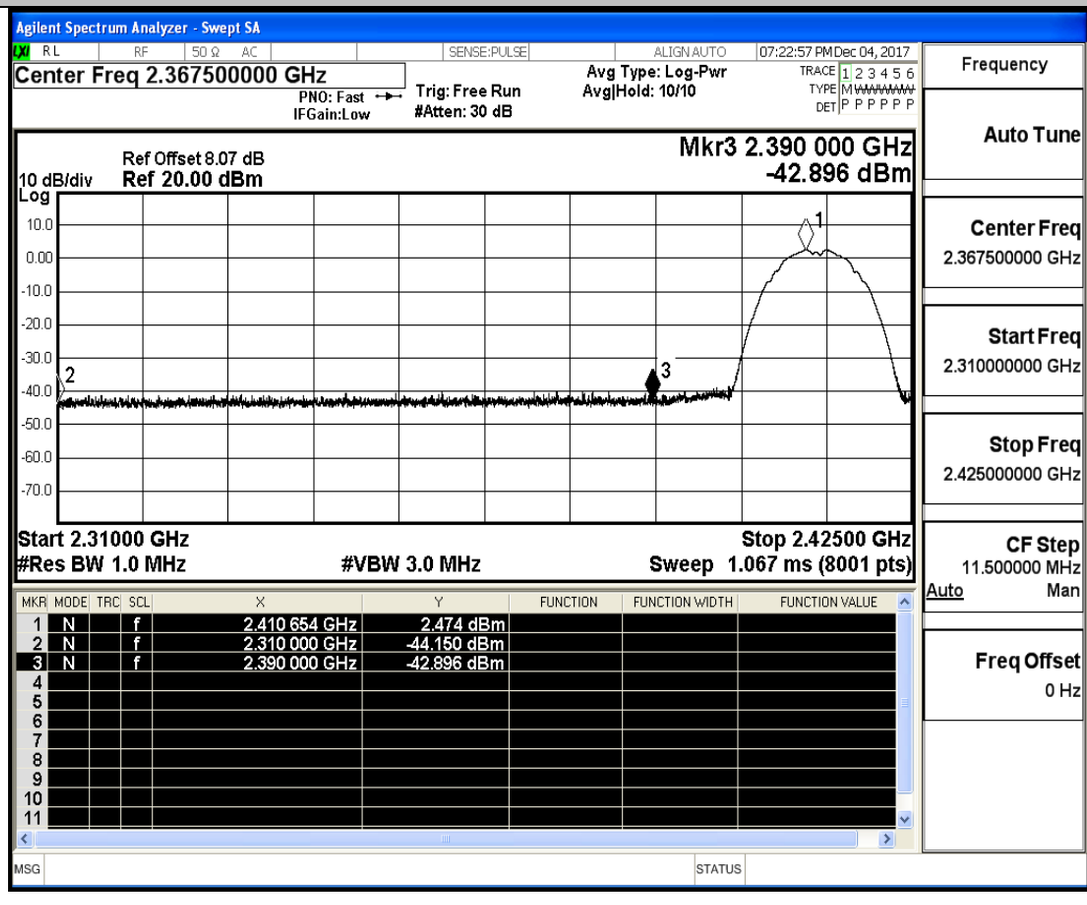




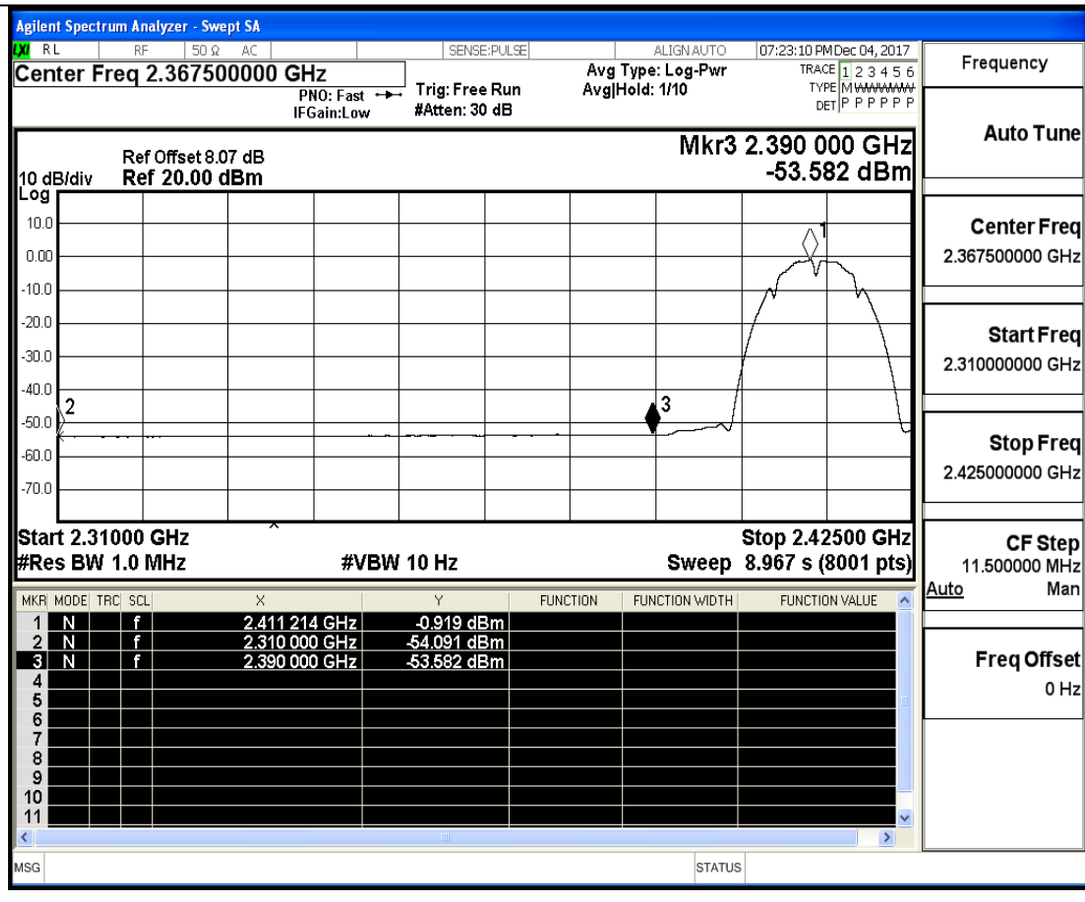
6.Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-44.15	2	0	53.11	PEAK	74	PASS
11B	2412	Ant1	2310.0	-54.09	2	0	43.17	AV	54	PASS
11B	2412	Ant1	2390.0	-42.90	2	0	54.36	PEAK	74	PASS
11B	2412	Ant1	2390.0	-53.58	2	0	43.68	AV	54	PASS
11B	2462	Ant1	2483.5	-42.96	2	0	54.3	PEAK	74	PASS
11B	2462	Ant1	2483.5	-53.51	2	0	43.74	AV	54	PASS
11B	2462	Ant1	2500.0	-43.00	2	0	54.26	PEAK	74	PASS
11B	2462	Ant1	2500.0	-53.38	2	0	43.88	AV	54	PASS
11G	2412	Ant1	2310.0	-43.86	2	0	53.39	PEAK	74	PASS
11G	2412	Ant1	2310.0	-54.08	2	0	43.18	AV	54	PASS
11G	2412	Ant1	2390.0	-42.66	2	0	54.6	PEAK	74	PASS
11G	2412	Ant1	2390.0	-53.17	2	0	44.09	AV	54	PASS
11G	2462	Ant1	2483.5	-41.80	2	0	55.46	PEAK	74	PASS
11G	2462	Ant1	2483.5	-53.25	2	0	44.01	AV	54	PASS
11G	2462	Ant1	2500.0	-42.59	2	0	54.67	PEAK	74	PASS
11G	2462	Ant1	2500.0	-53.23	2	0	44.03	AV	54	PASS
11N20SISO	2412	Ant1	2310.0	-43.53	2	0	53.72	PEAK	74	PASS
11N20SISO	2412	Ant1	2310.0	-54.09	2	0	43.16	AV	54	PASS
11N20SISO	2412	Ant1	2390.0	-41.35	2	0	55.91	PEAK	74	PASS
11N20SISO	2412	Ant1	2390.0	-53.15	2	0	44.1	AV	54	PASS
11N20SISO	2462	Ant1	2483.5	-44.39	2	0	52.87	PEAK	74	PASS
11N20SISO	2462	Ant1	2483.5	-53.73	2	0	43.52	AV	54	PASS
11N20SISO	2462	Ant1	2500.0	-41.72	2	0	55.54	PEAK	74	PASS
11N20SISO	2462	Ant1	2500.0	-53.95	2	0	43.31	AV	54	PASS

Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



Restrict-band band-edge measurements_11B_2412_Ant1_AV



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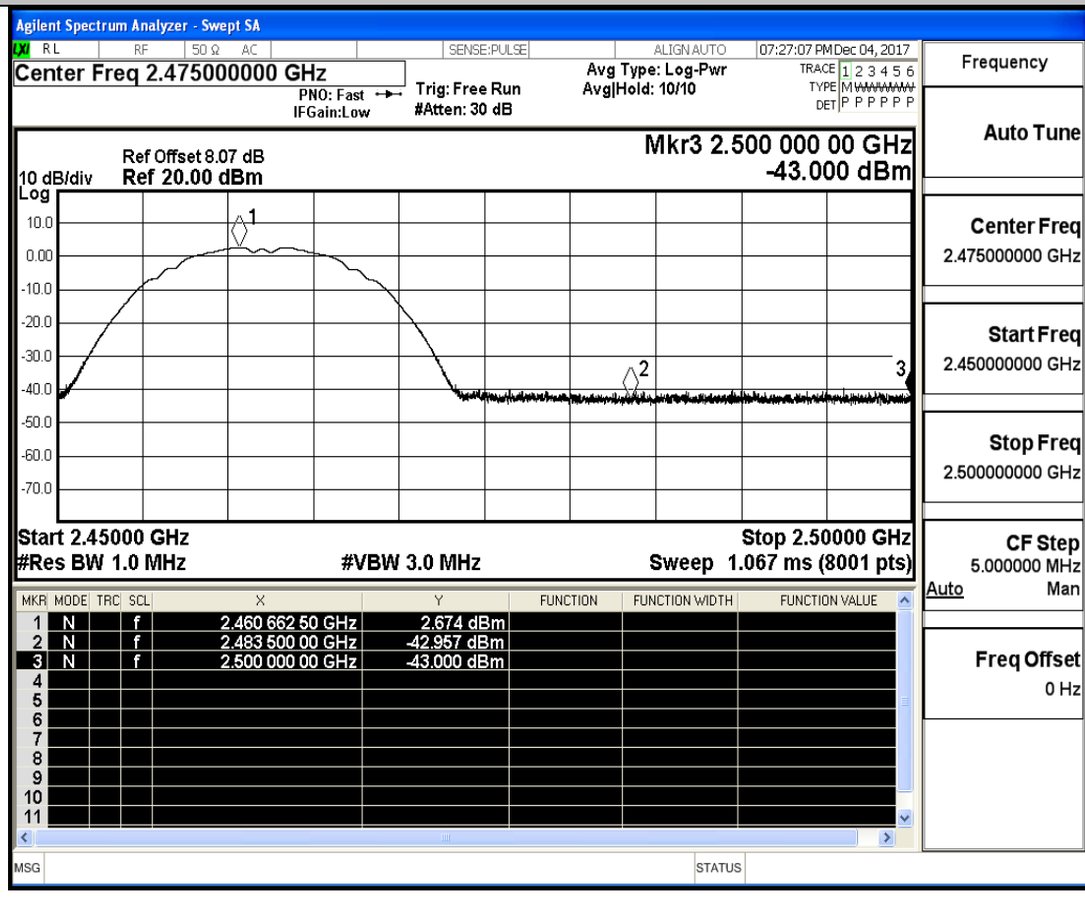

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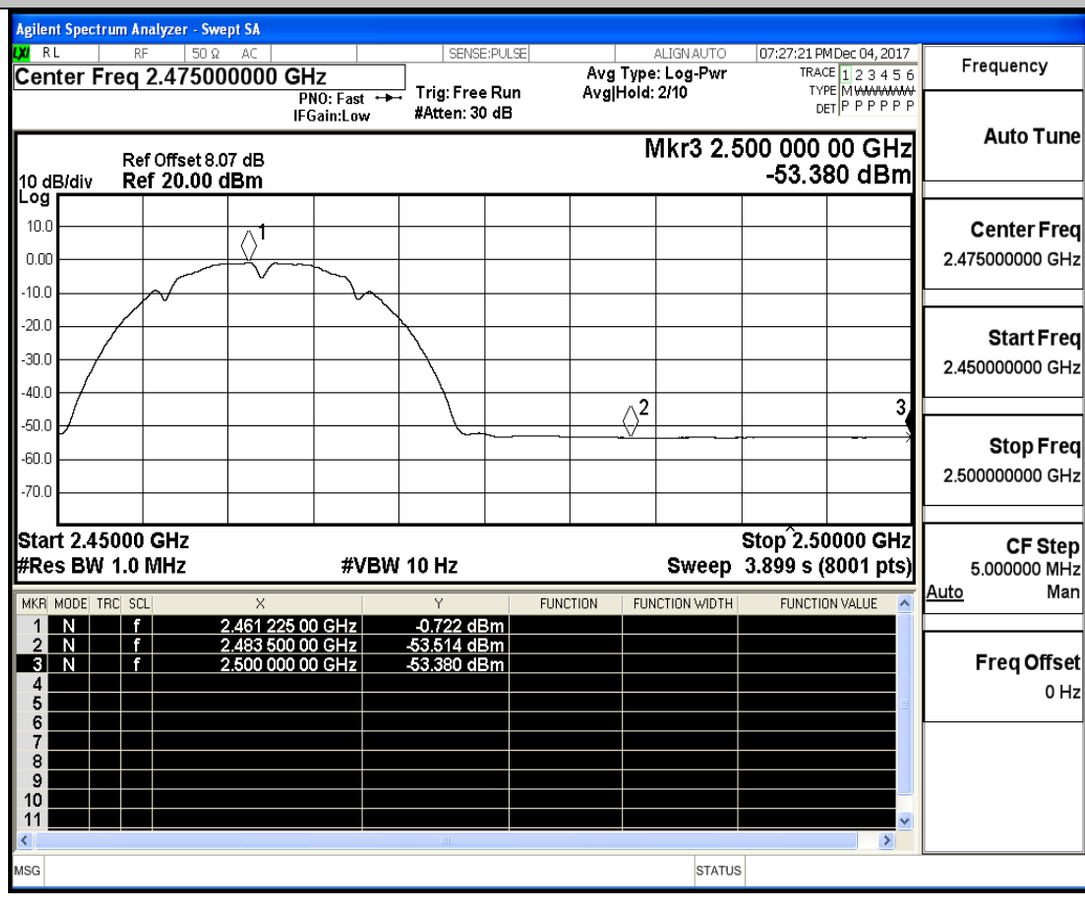

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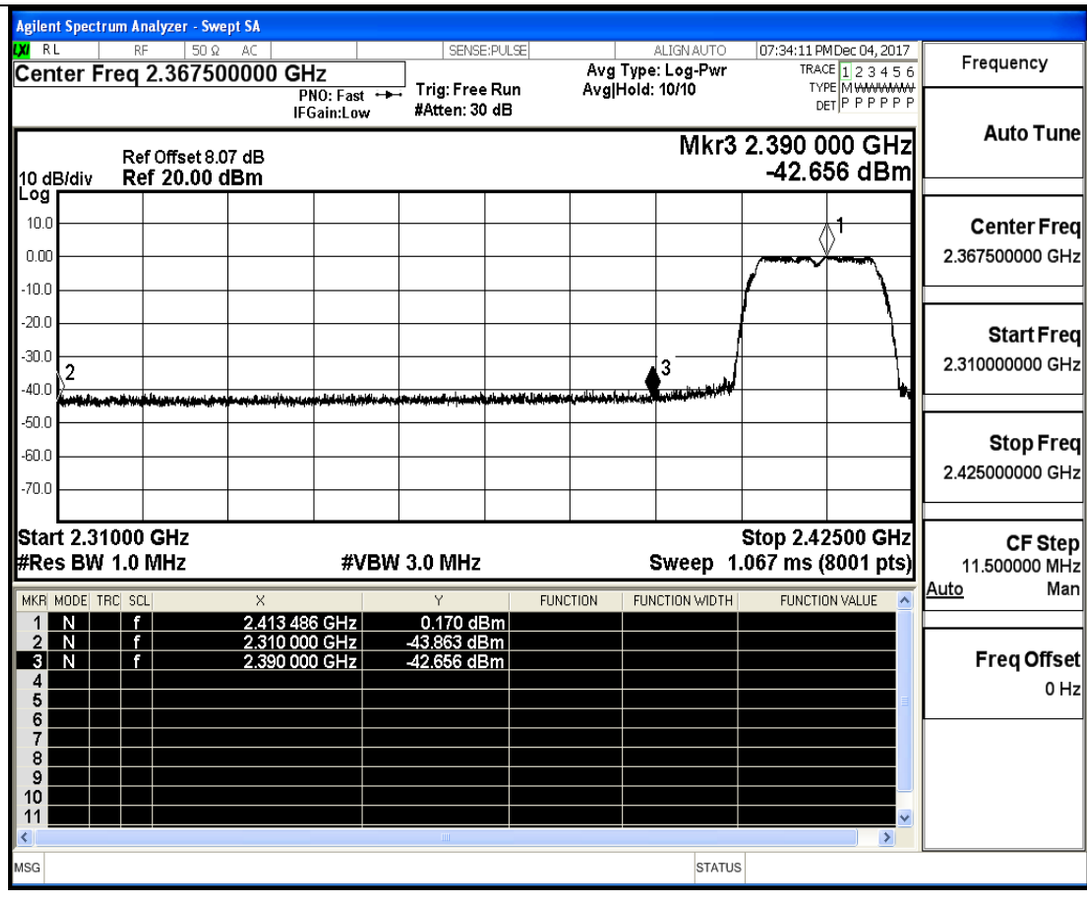

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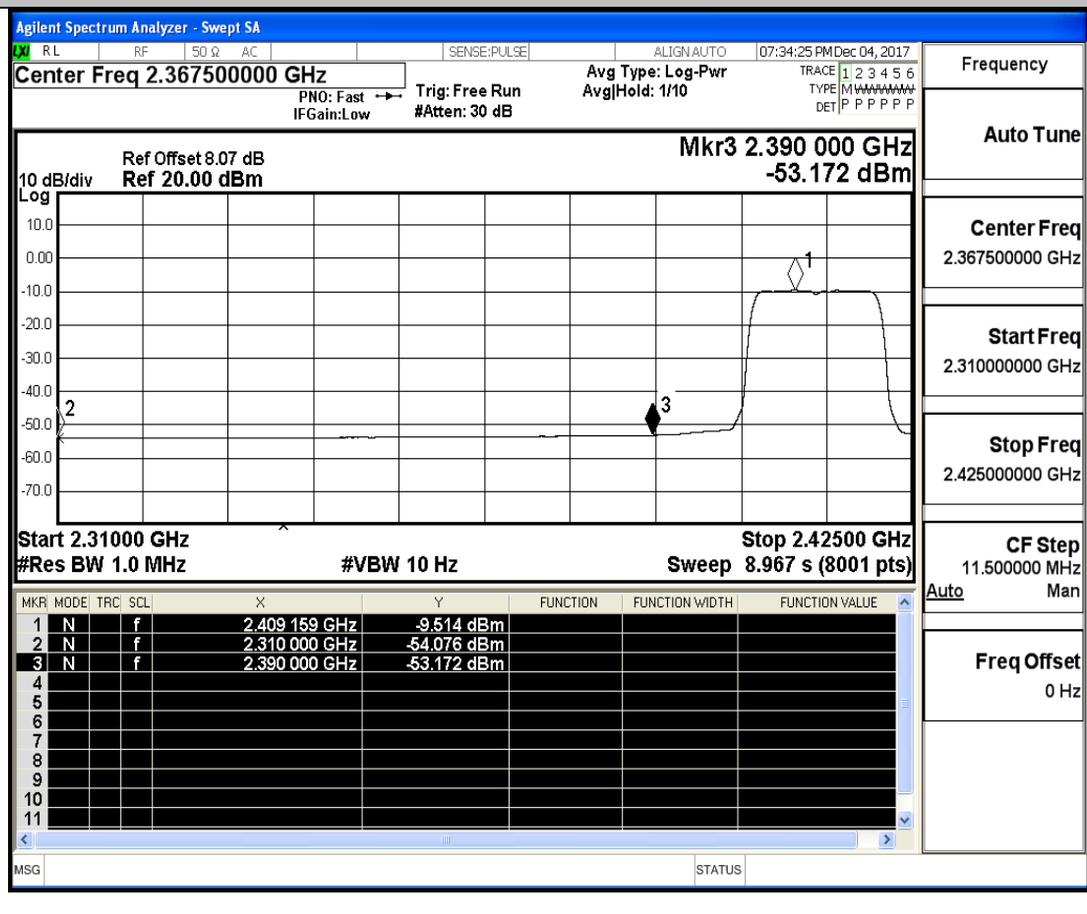

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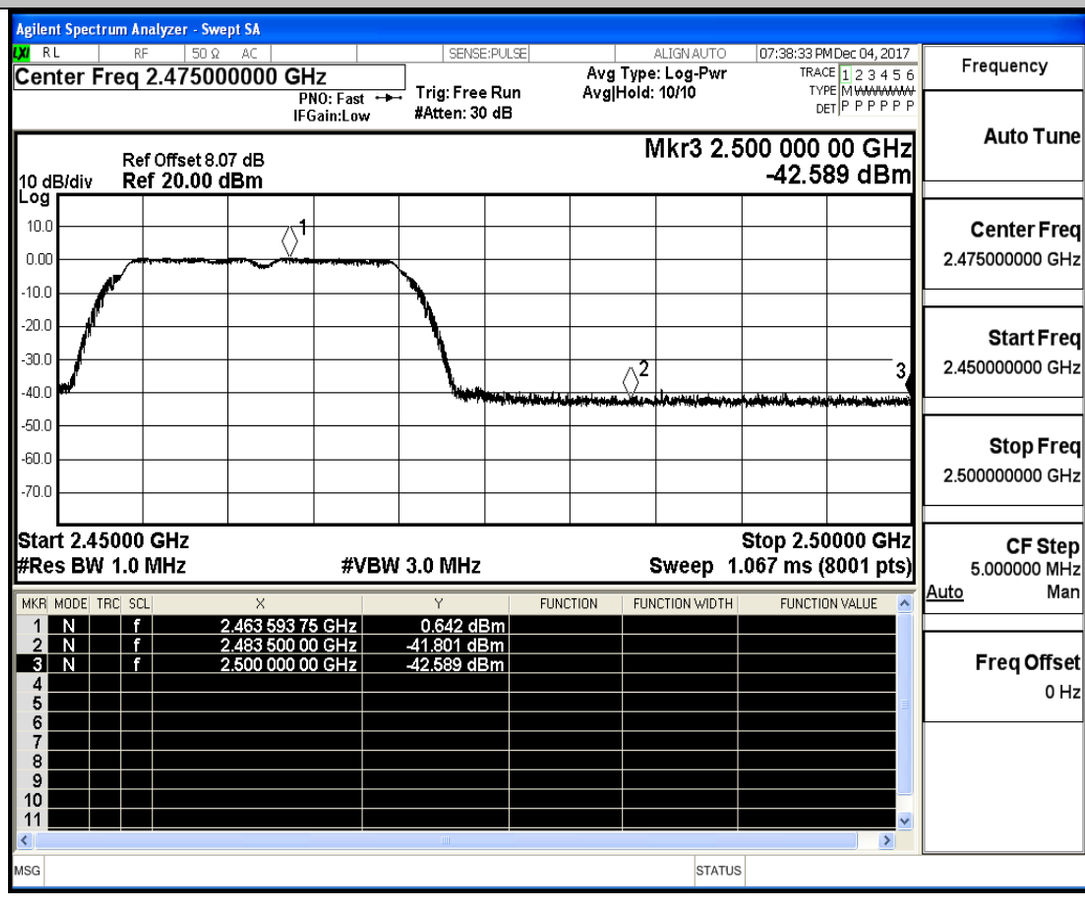

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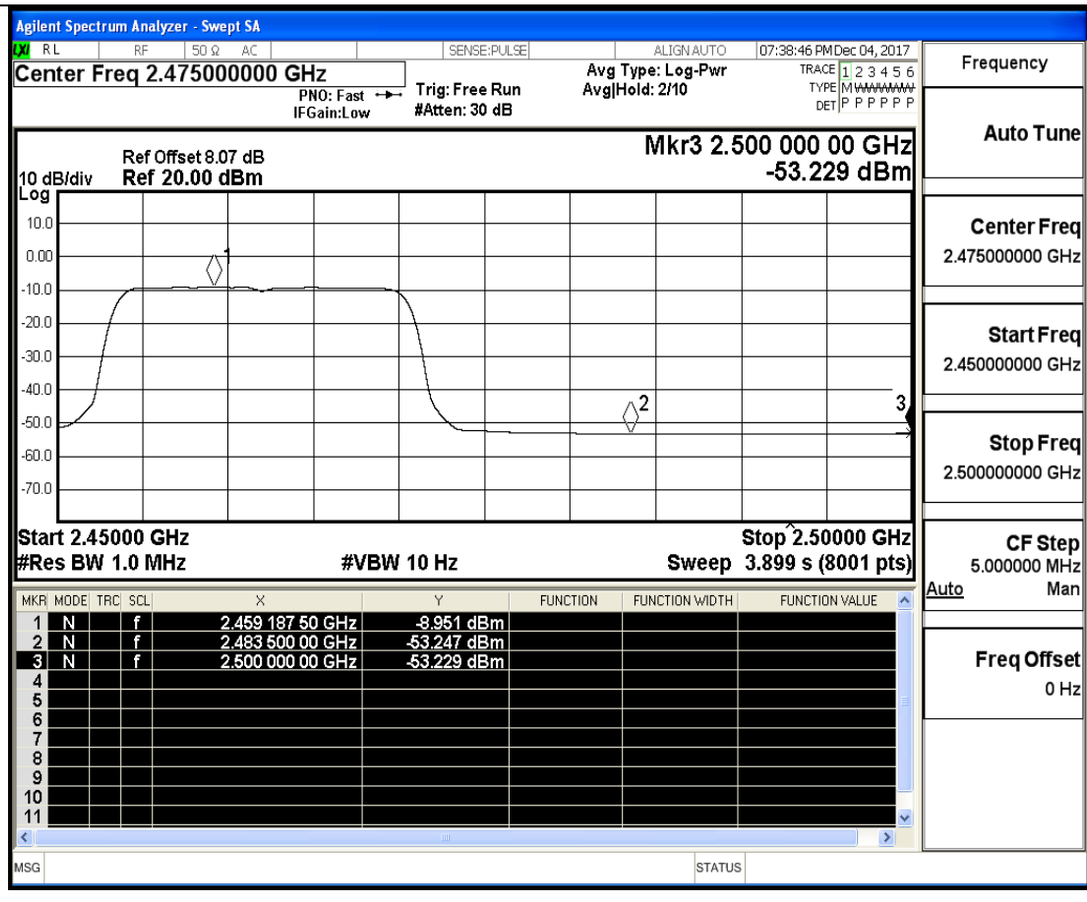
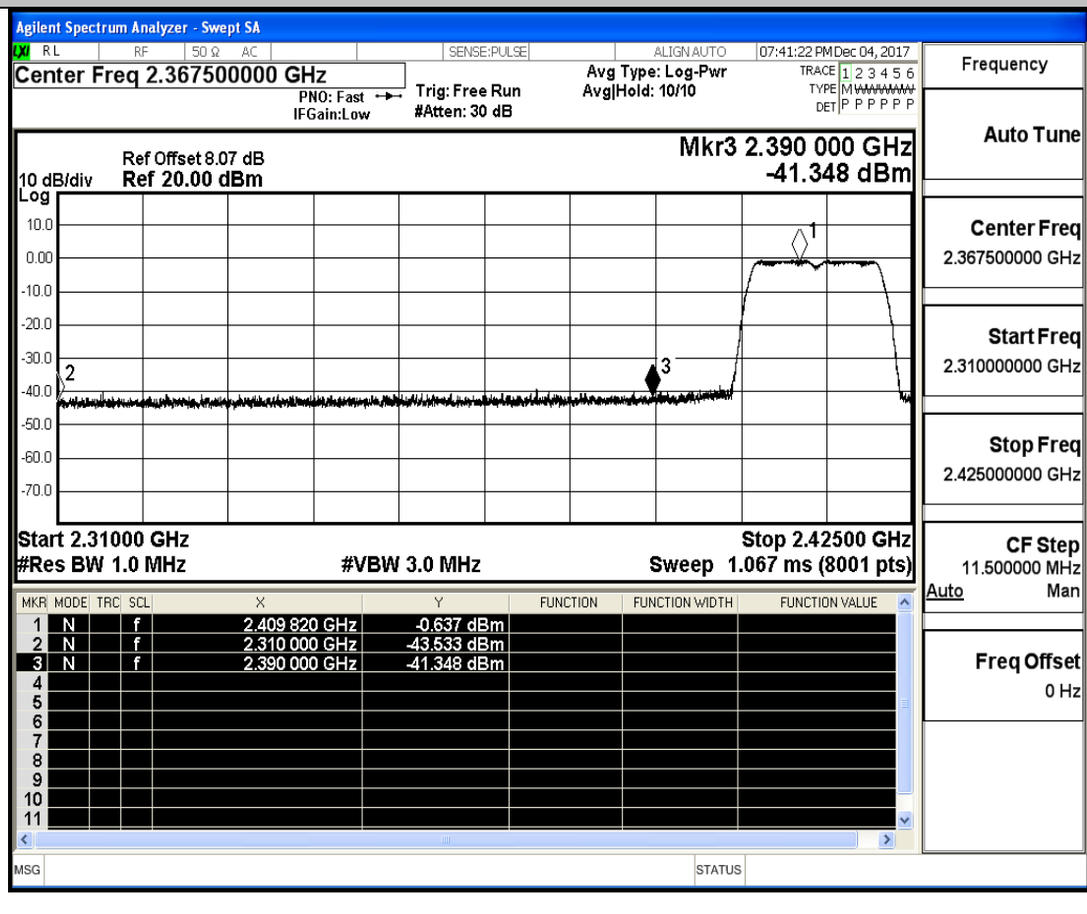


Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



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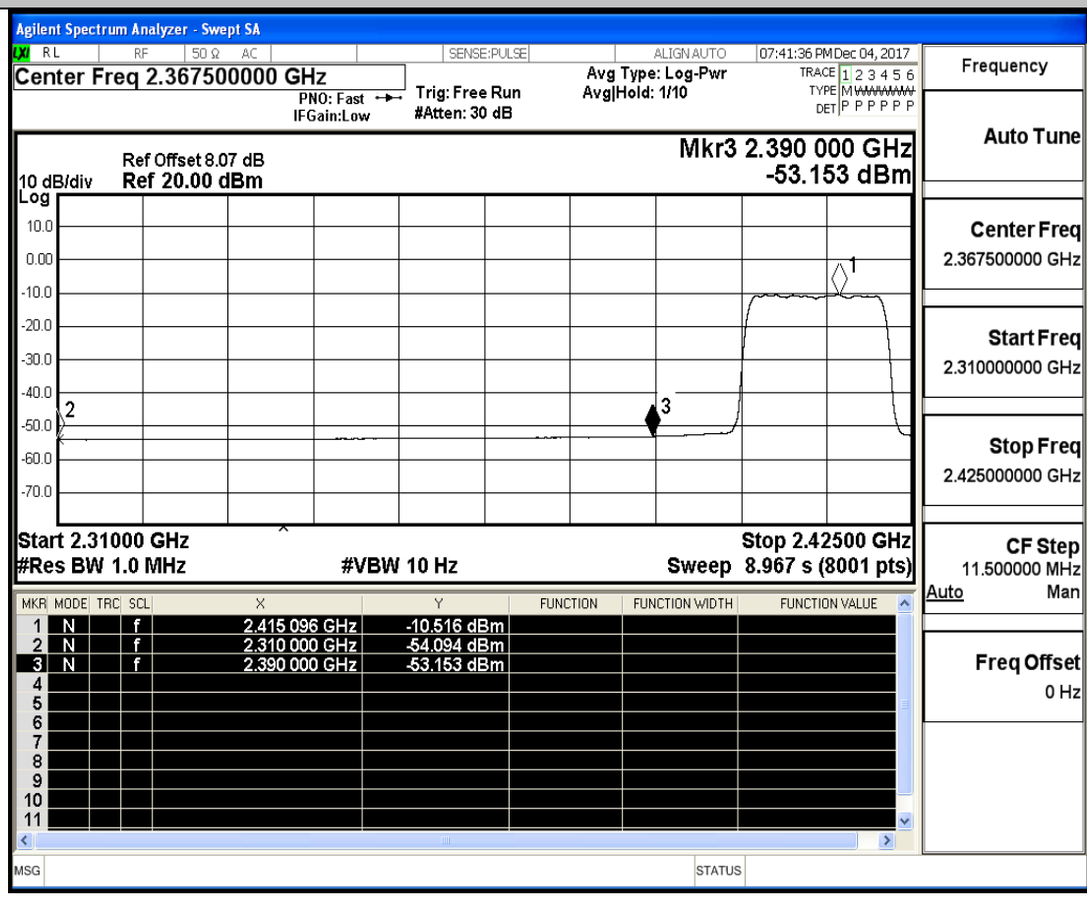
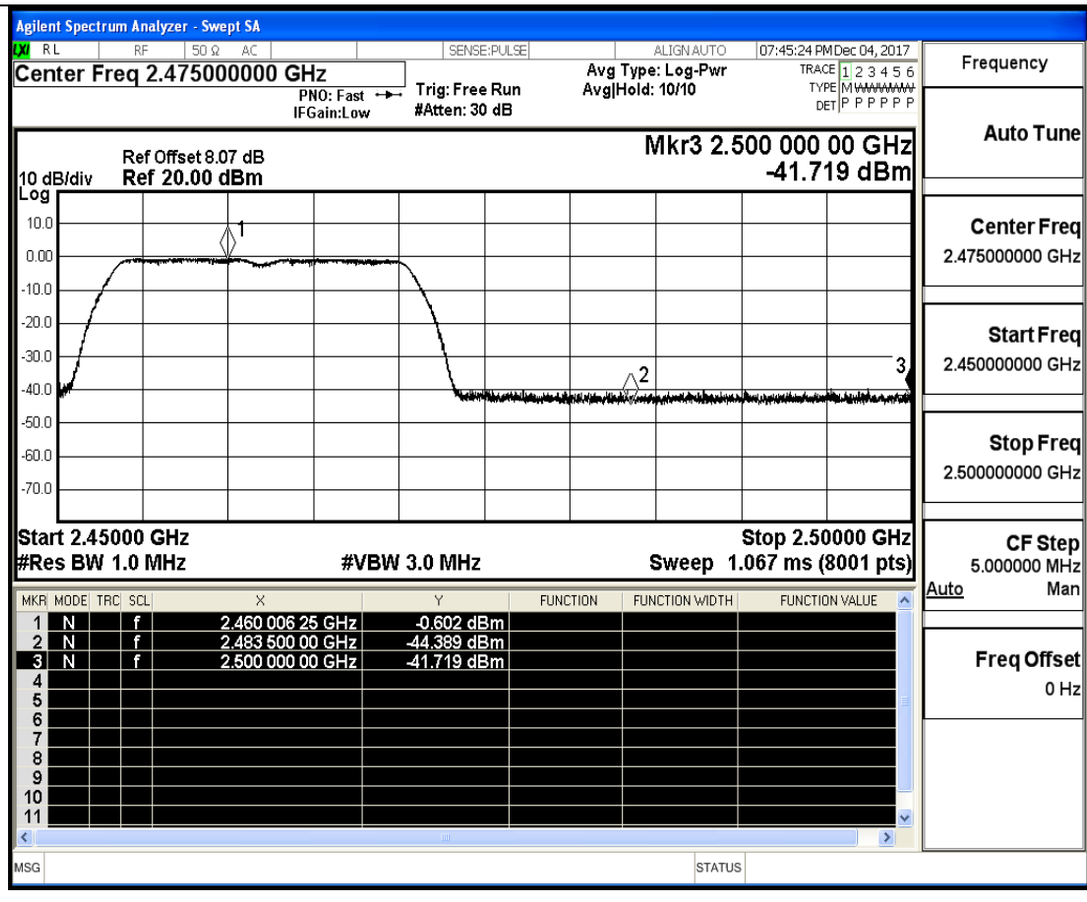
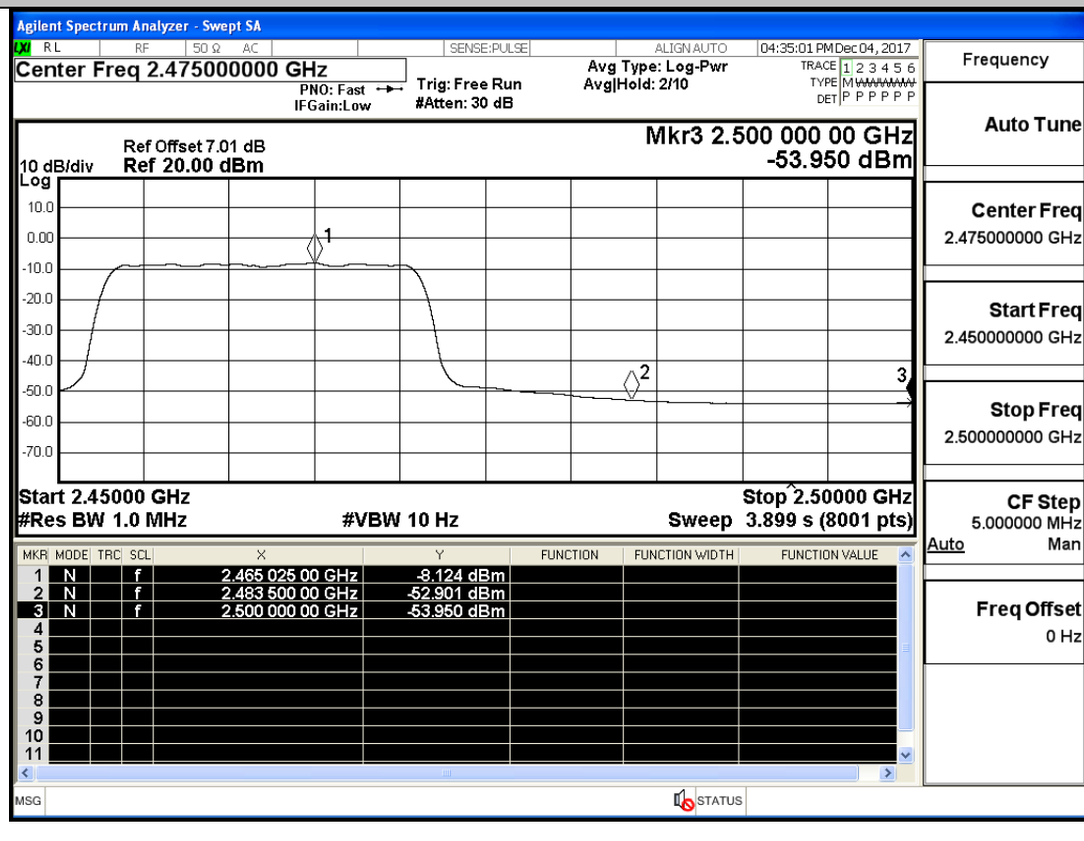


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK

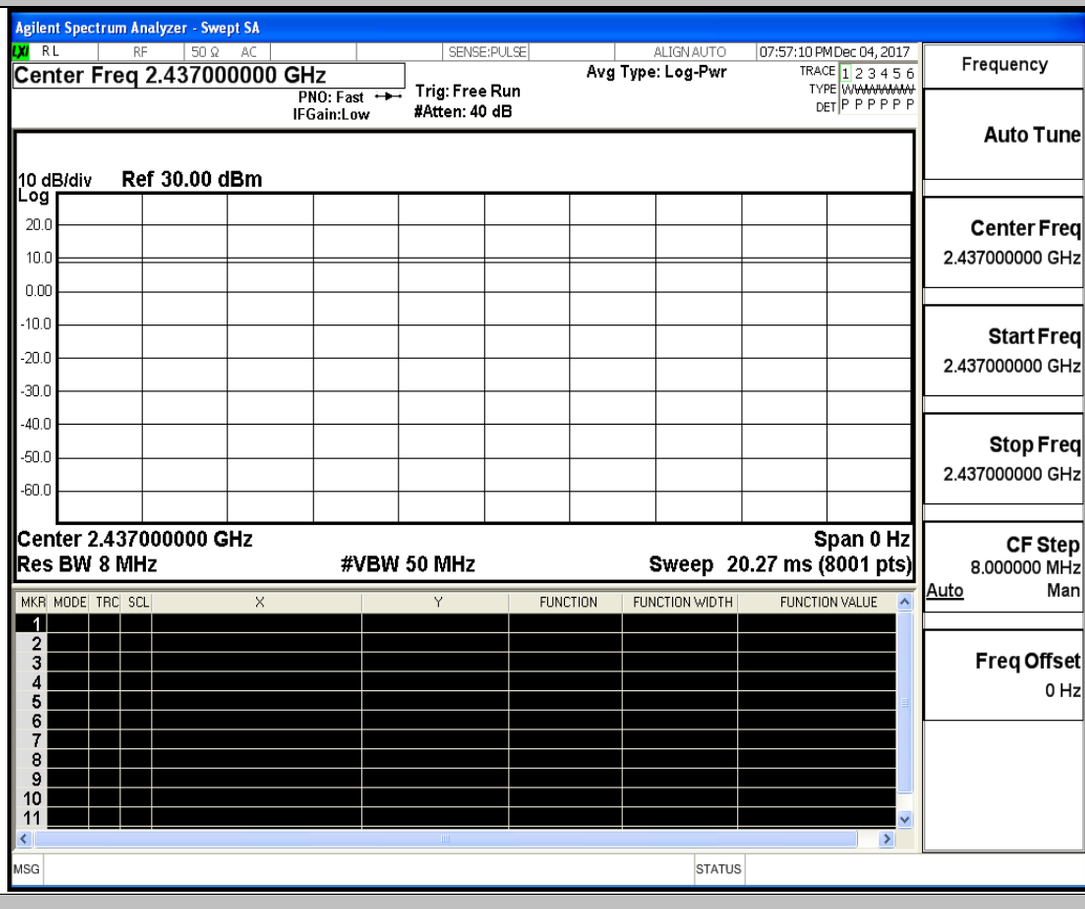


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

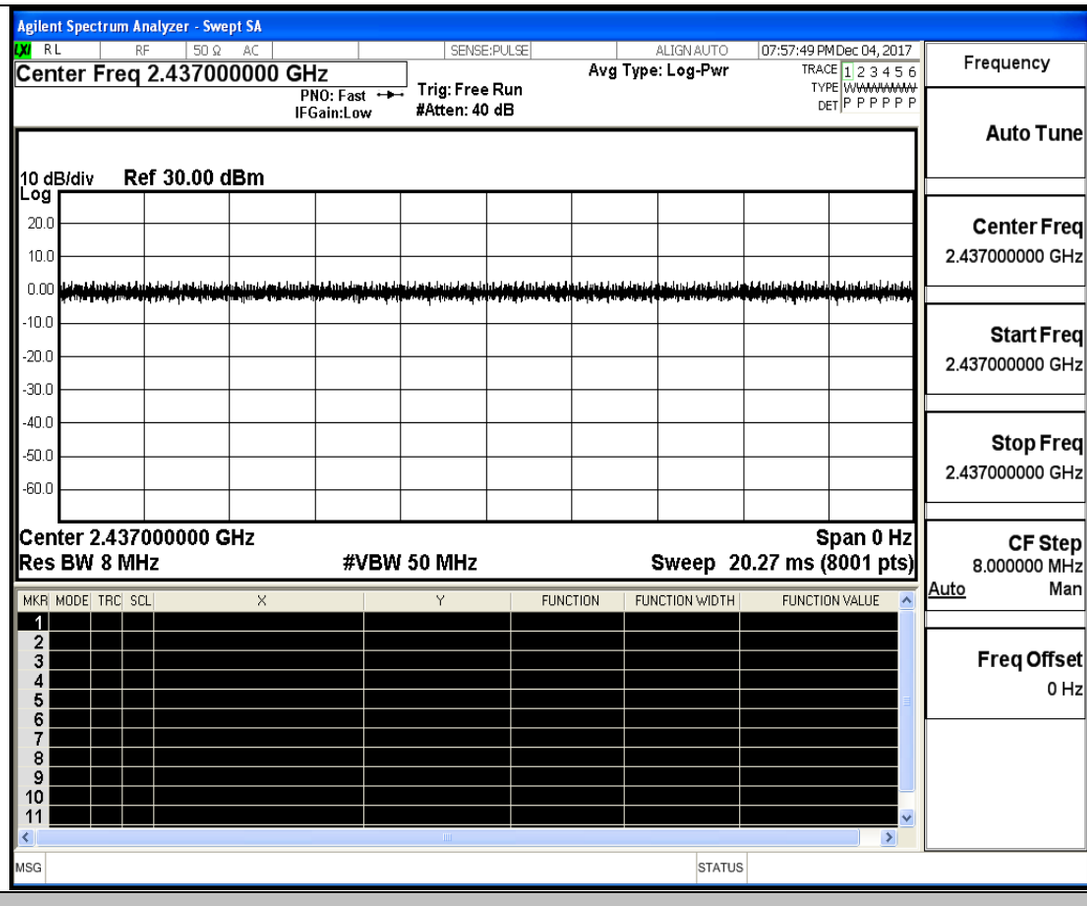
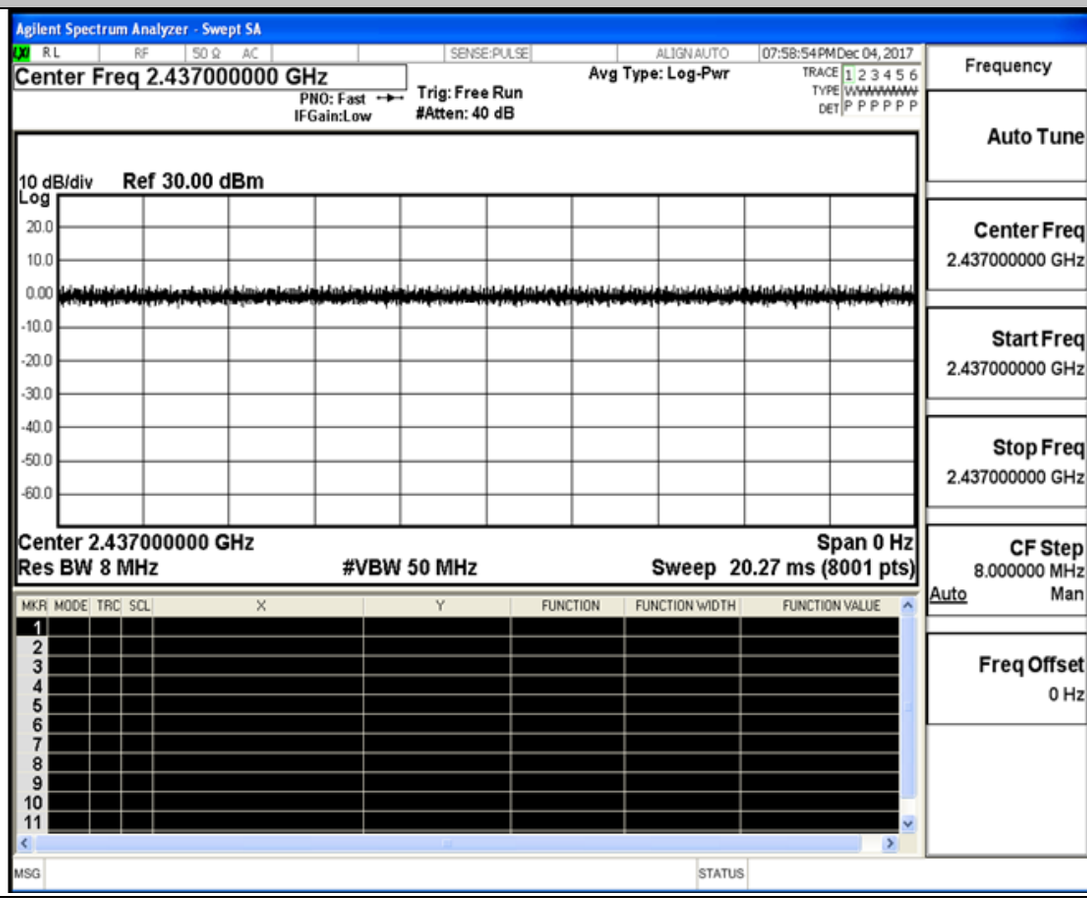


7.Duty Cycle

Duty Cycle_11B_2437_Ant1



Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1