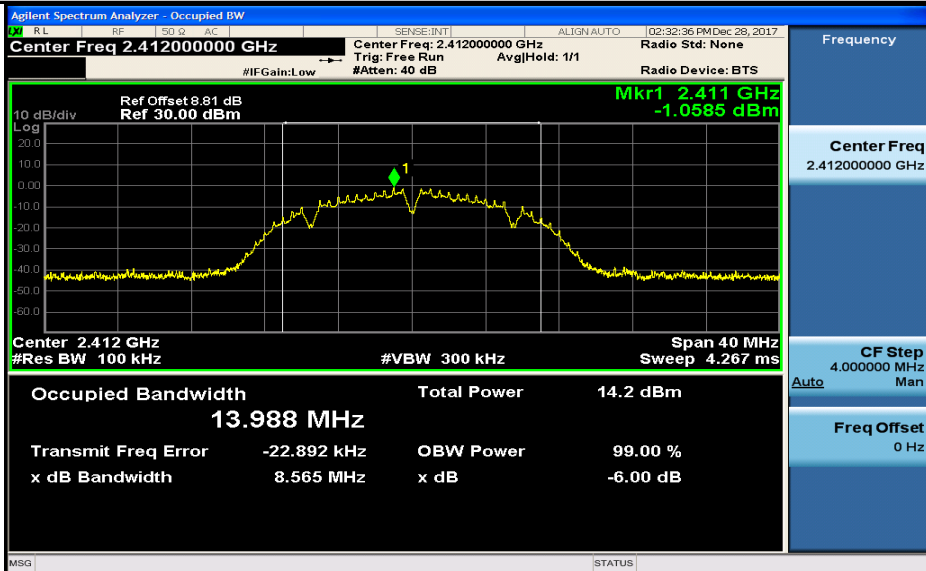


Appendix 15.247 SZEM180100017603 (WIFI)

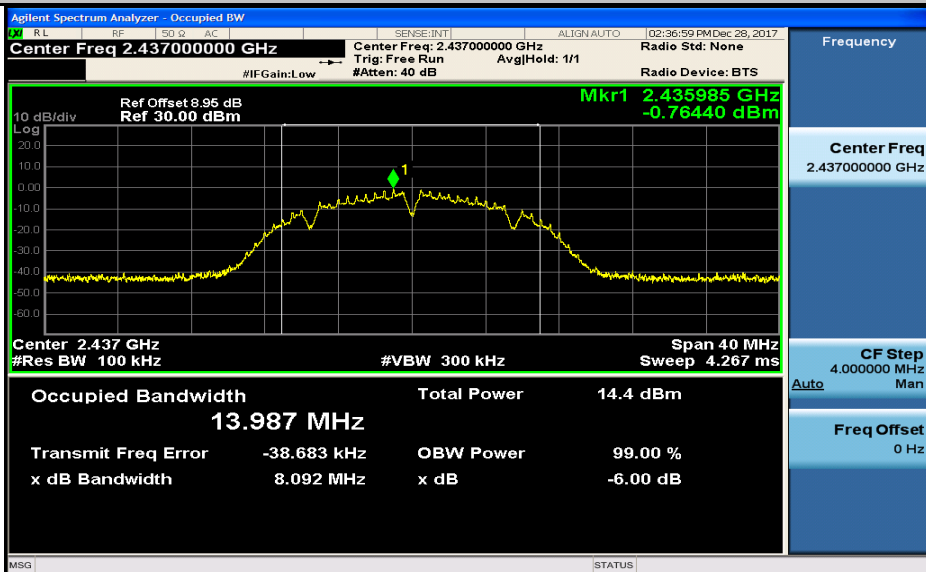
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.565	0.5	PASS
11B	2437	Ant1	8.092	0.5	PASS
11B	2462	Ant1	9.038	0.5	PASS
11G	2412	Ant1	15.77	0.5	PASS
11G	2437	Ant1	15.35	0.5	PASS
11G	2462	Ant1	15.70	0.5	PASS
11N20SISO	2412	Ant1	17.54	0.5	PASS
11N20SISO	2437	Ant1	16.35	0.5	PASS
11N20SISO	2462	Ant1	16.62	0.5	PASS

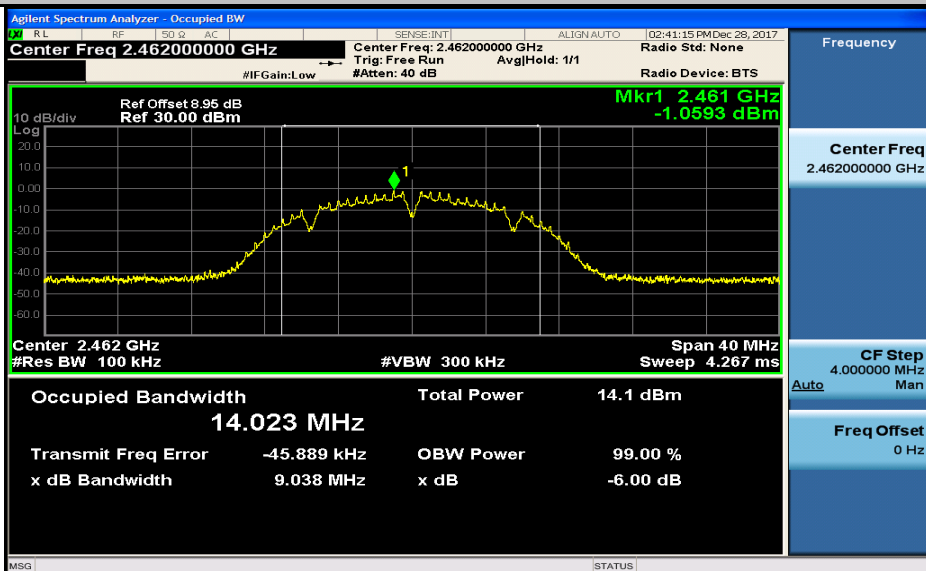
6dB Bandwidth_11B_2412_Ant1



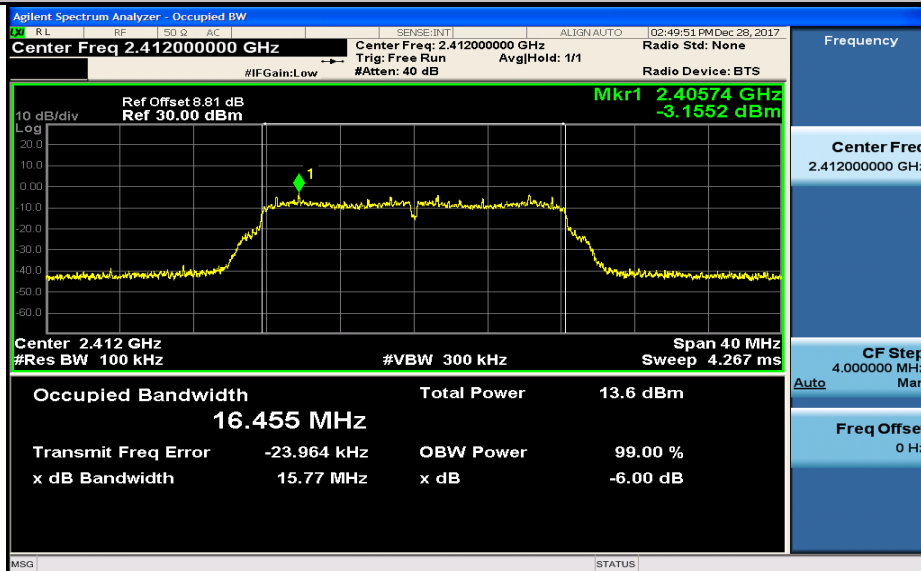
6dB Bandwidth_11B_2437_Ant1



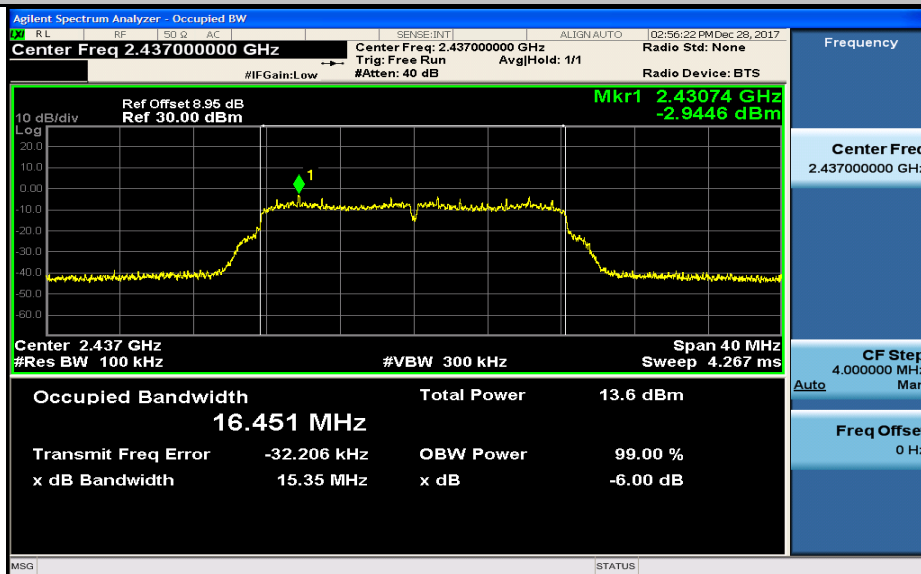
6dB Bandwidth_11B_2462_Ant1



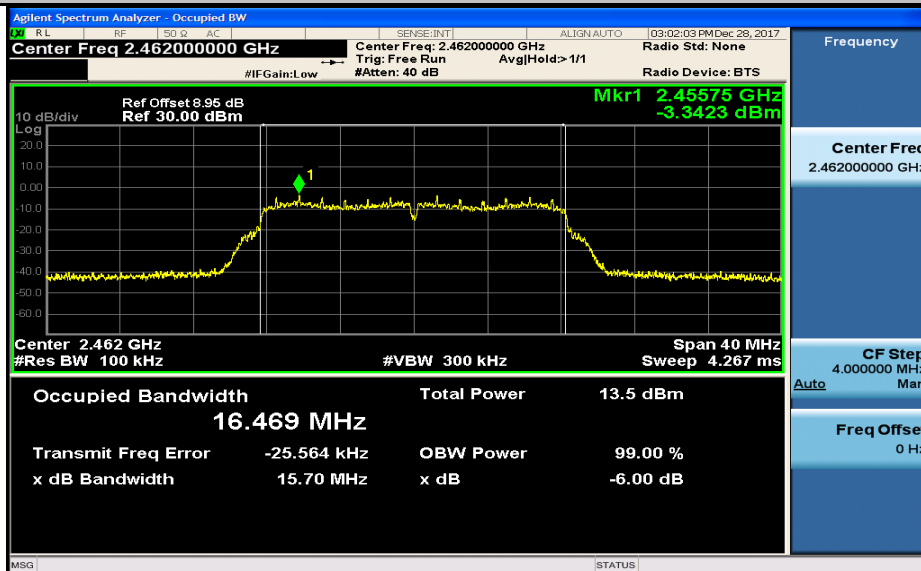
6dB Bandwidth_11G_2412_Ant1



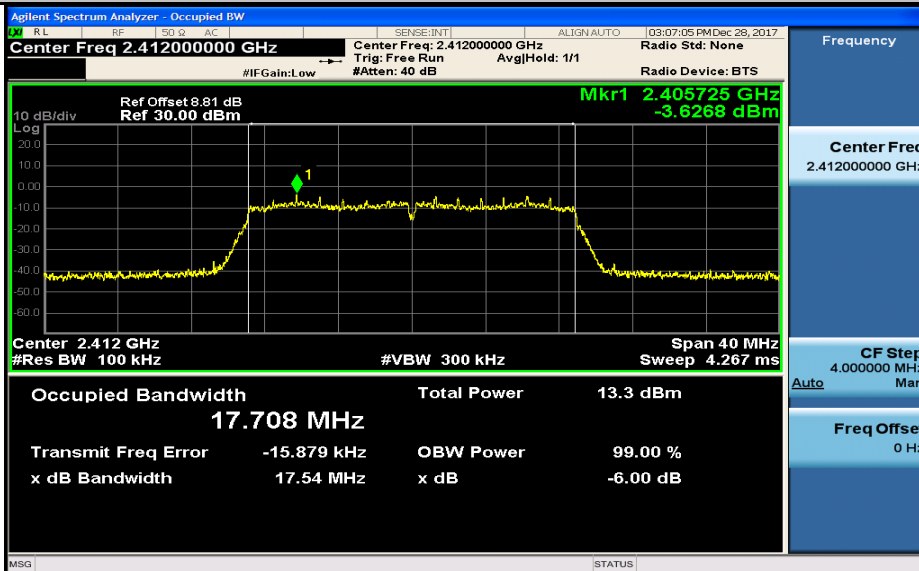
6dB Bandwidth_11G_2437_Ant1



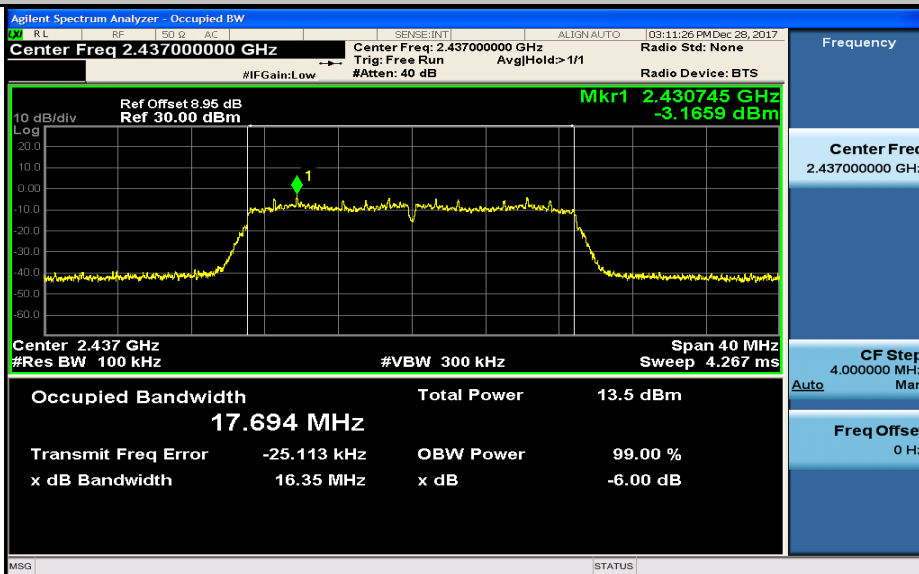
6dB Bandwidth_11G_2462_Ant1



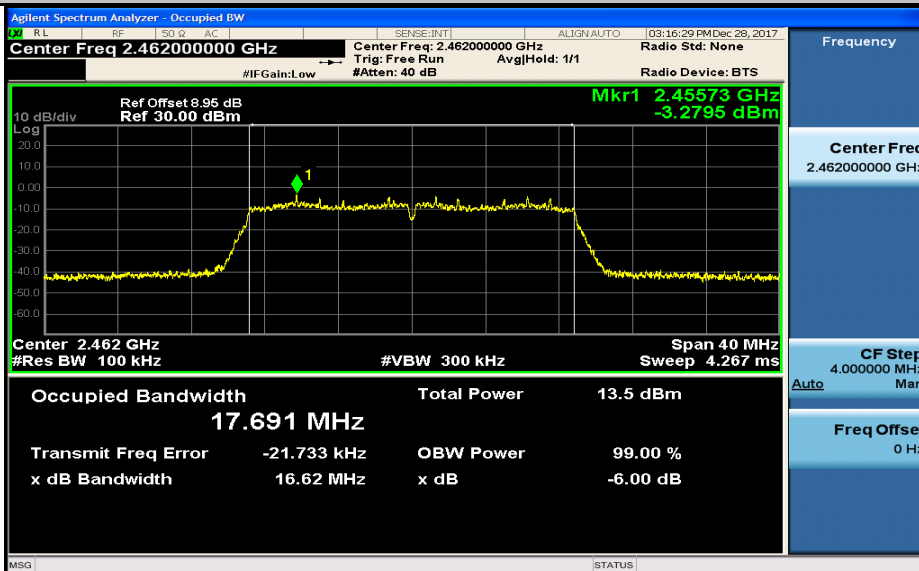
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



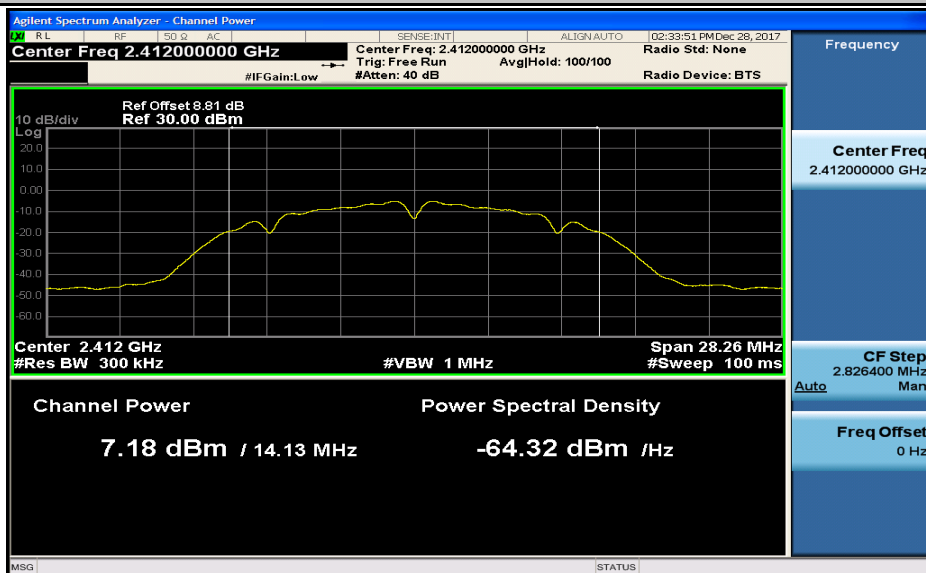
6dB Bandwidth_11N20SISO_2462_Ant1



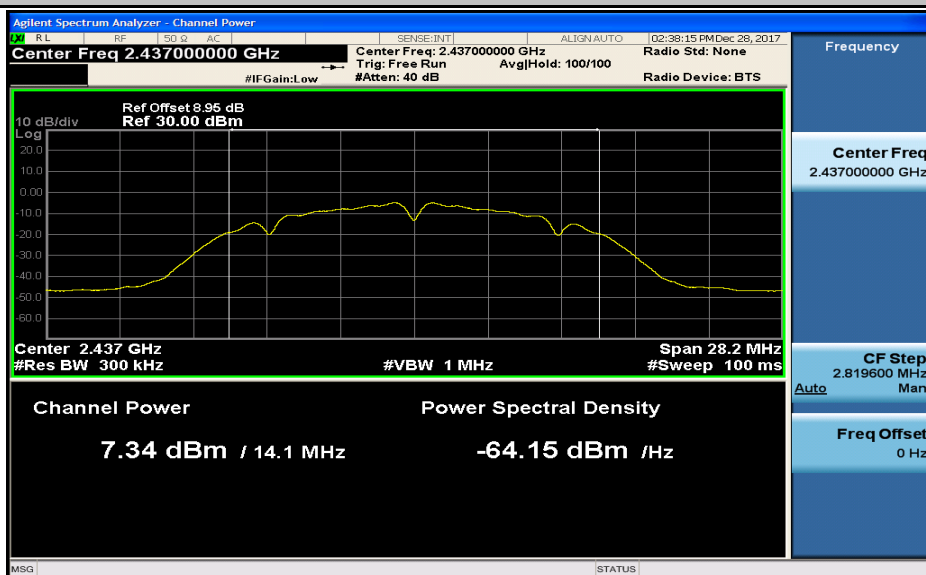
2.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	7.18	0.00	7.18	30	PASS
11B	2437	Ant1	7.34	0.00	7.34	30	PASS
11B	2462	Ant1	7.13	0.04	7.17	30	PASS
11G	2412	Ant1	7	0.21	7.21	30	PASS
11G	2437	Ant1	7.1	0.21	7.31	30	PASS
11G	2462	Ant1	6.9	0.22	7.12	30	PASS
11N20SISO	2412	Ant1	6.7	0.23	6.93	30	PASS
11N20SISO	2437	Ant1	6.82	0.23	7.05	30	PASS
11N20SISO	2462	Ant1	6.87	0.24	7.11	30	PASS

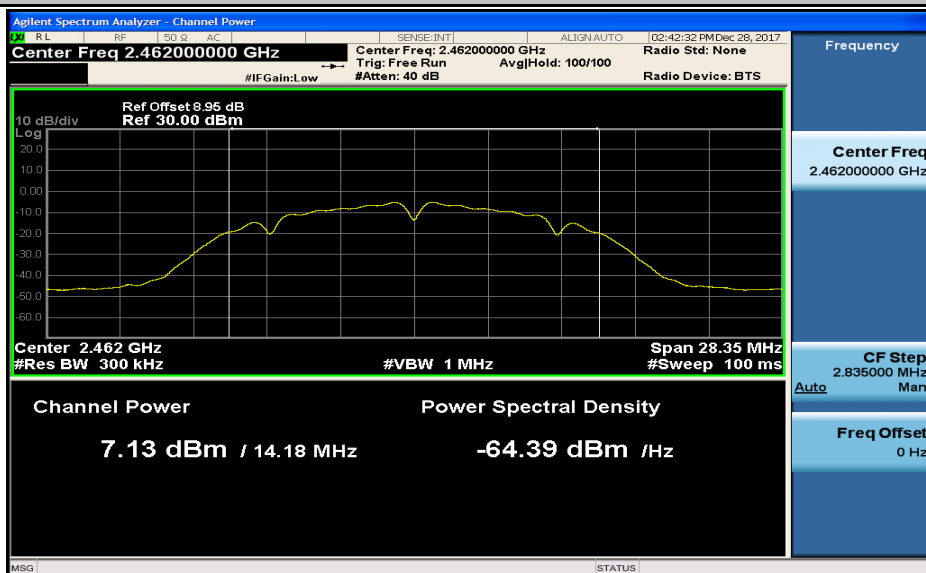
Maximum conducted (average) output power_11B_2412



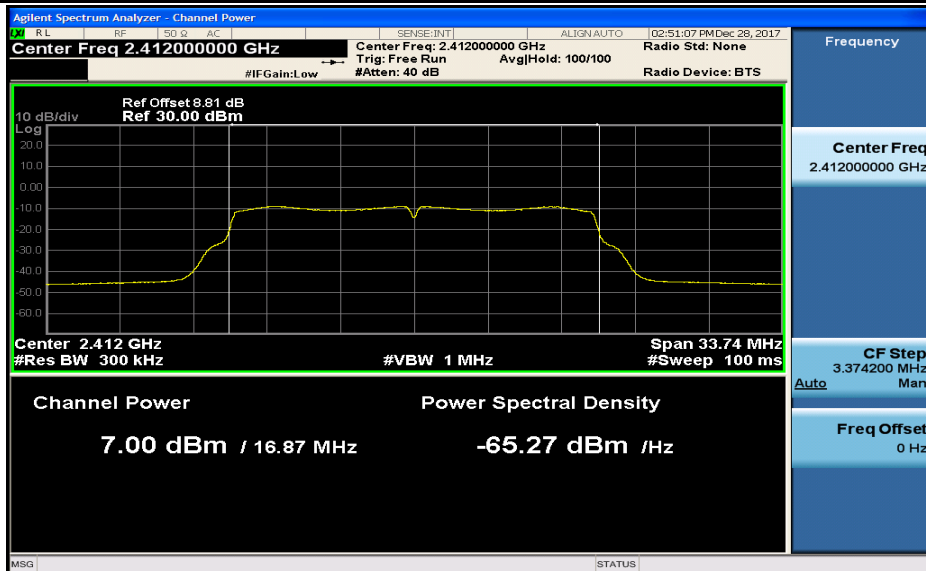
Maximum conducted (average) output power_11B_2437



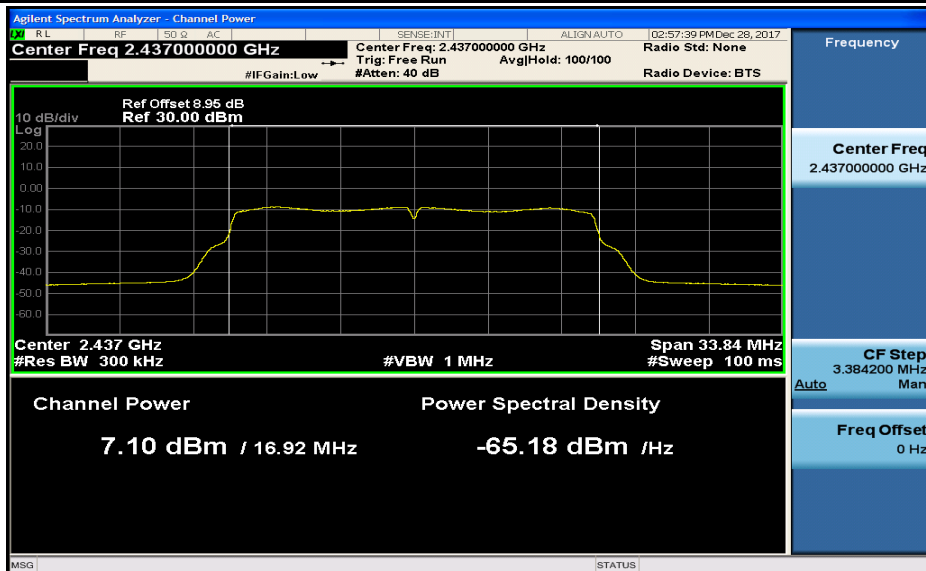
Maximum conducted (average) output power_11B_2462



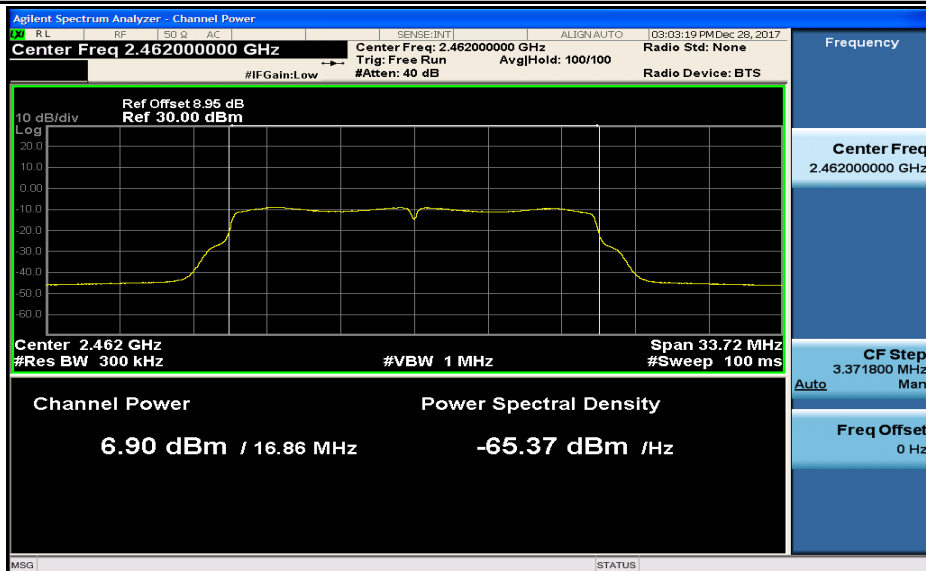
Maximum conducted (average) output power_11G_2412



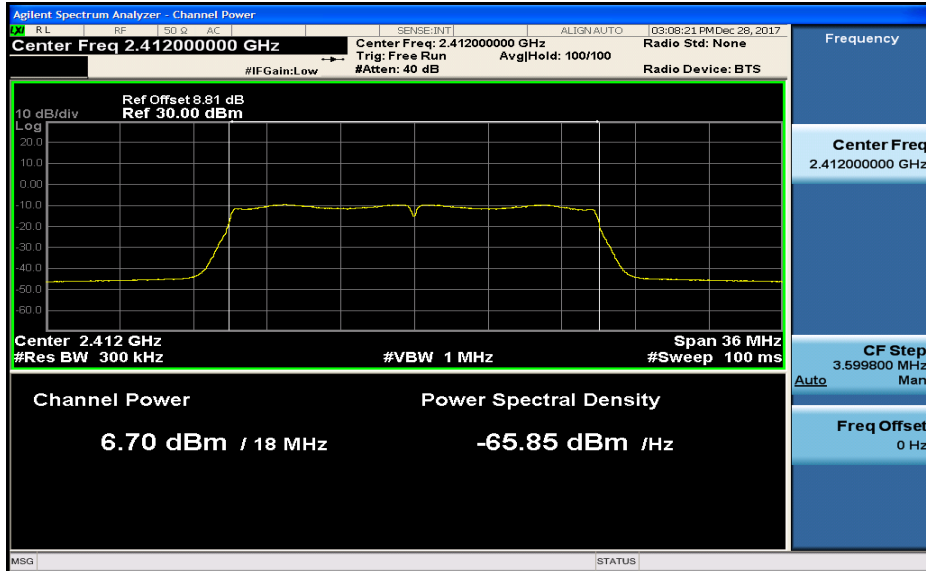
Maximum conducted (average) output power_11G_2437



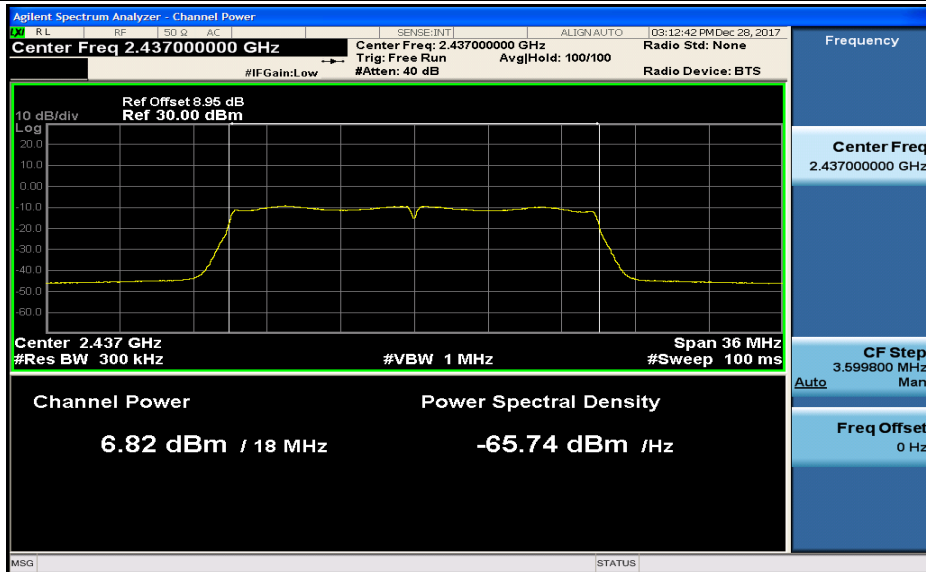
Maximum conducted (average) output power_11G_2462



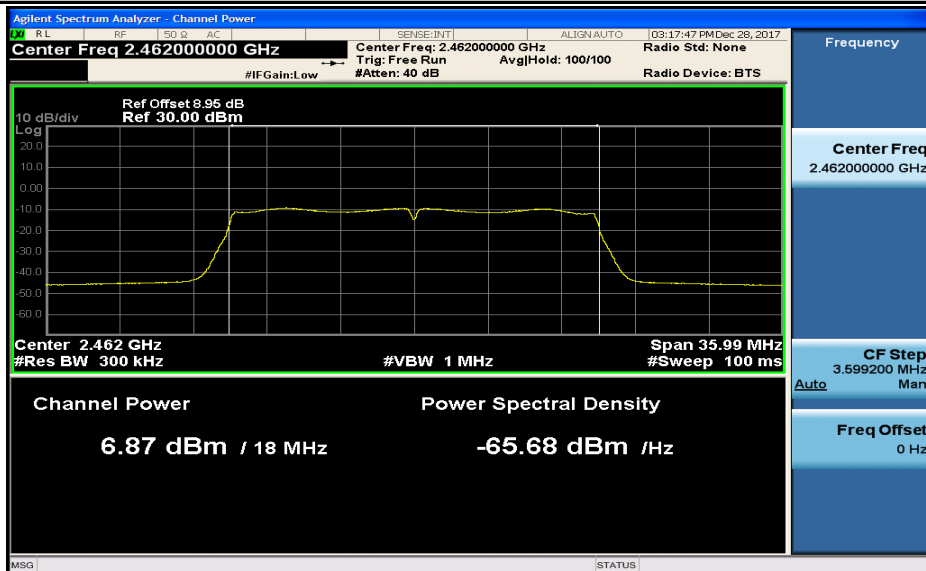
Maximum conducted (average) output power_11N20SISO_2412



Maximum conducted (average) output power_11N20SISO_2437



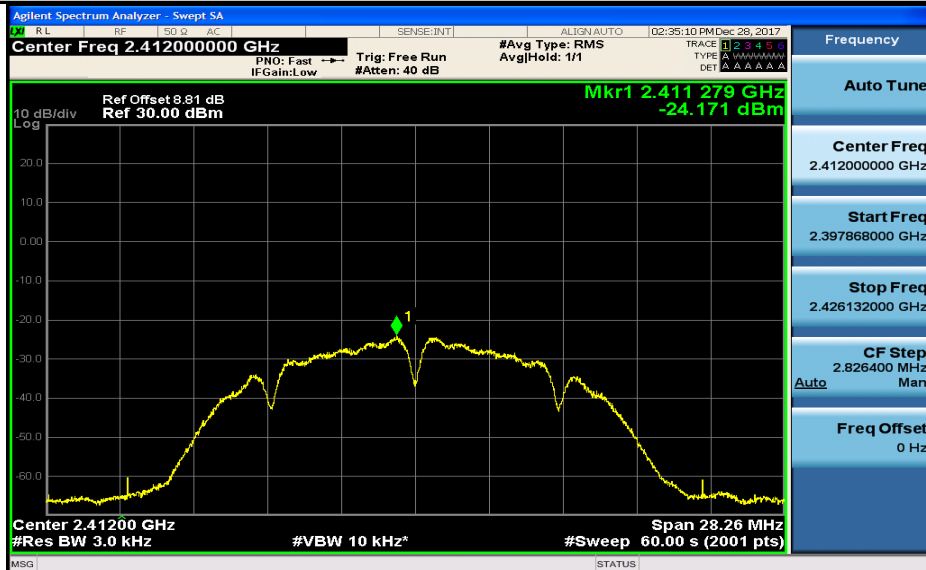
Maximum conducted (average) output power_11N20SISO_2462



3.Maximum(average) power spectral density

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-24.171	0	-24.171	8.00	PASS
11B	2437	Ant1	-23.668	0	-23.668	8.00	PASS
11B	2462	Ant1	-24.246	0.04	-24.206	8.00	PASS
11G	2412	Ant1	-26.494	0.21	-26.284	8.00	PASS
11G	2437	Ant1	-26.784	0.21	-26.574	8.00	PASS
11G	2462	Ant1	-27.007	0.22	-26.787	8.00	PASS
11N20SISO	2412	Ant1	-27.529	0.23	-27.299	8.00	PASS
11N20SISO	2437	Ant1	-27.242	0.23	-27.012	8.00	PASS
11N20SISO	2462	Ant1	-27.142	0.24	-26.902	8.00	PASS

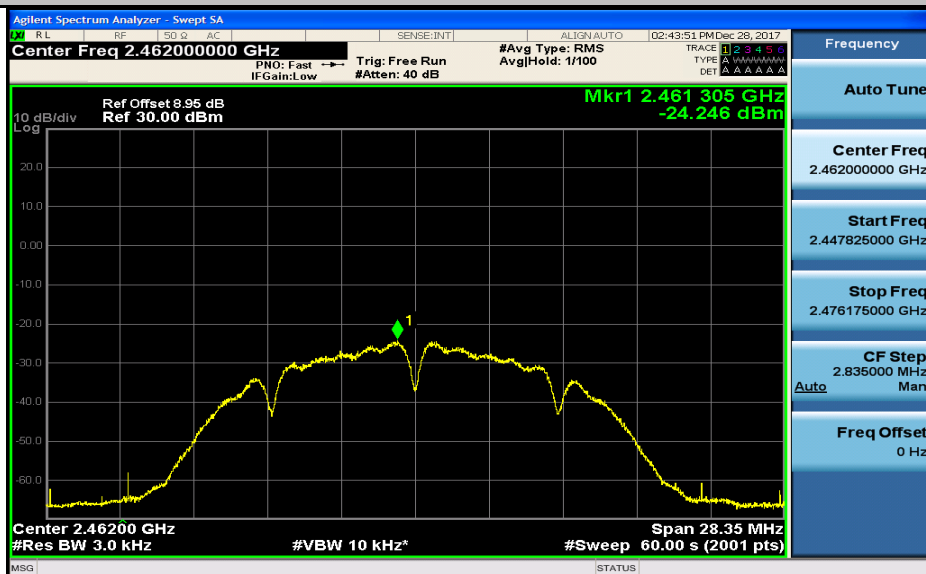
Maximum(average) power spectral density_11B_2412



Maximum(average) power spectral density_11B_2437



Maximum(average) power spectral density_11B_2462



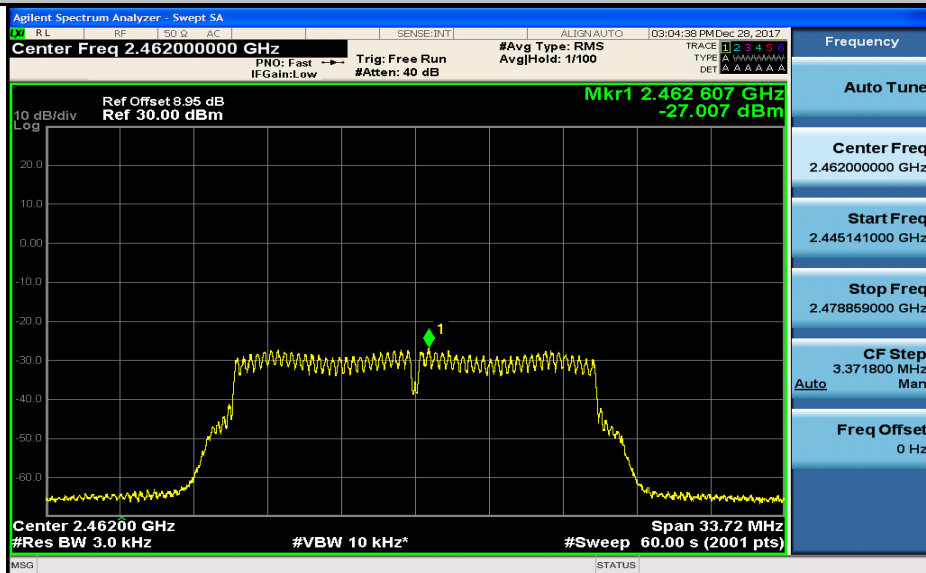
Maximum(average) power spectral density_11G_2412



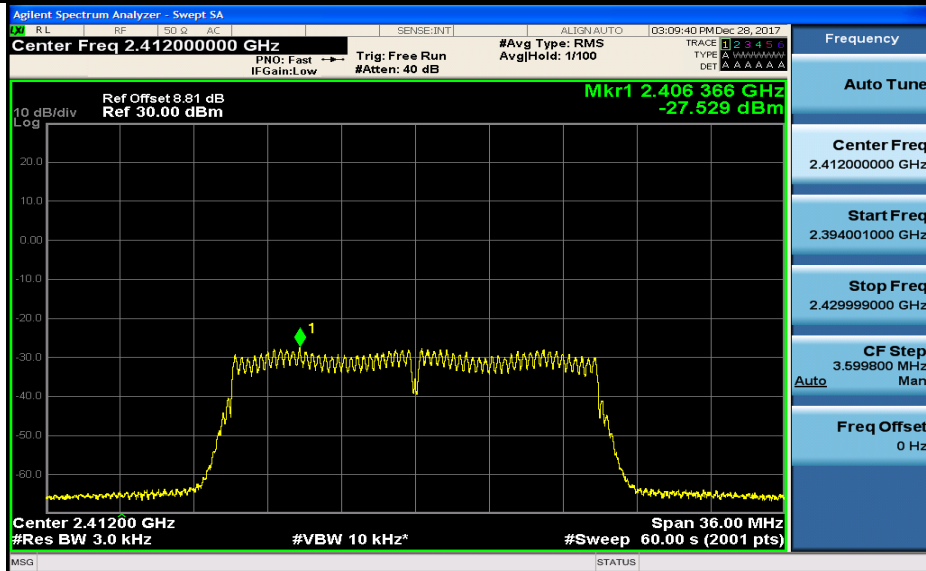
Maximum(average) power spectral density_11G_2437



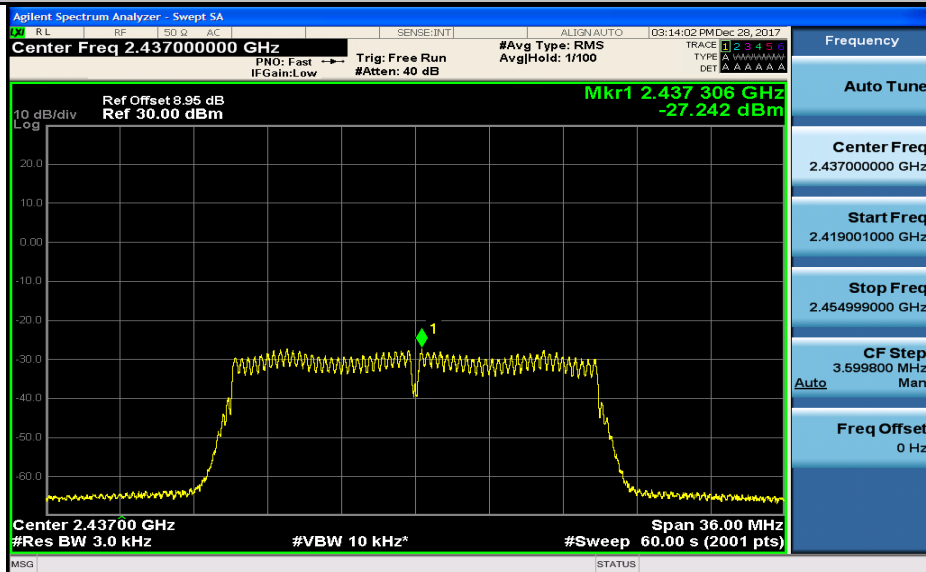
Maximum(average) power spectral density_11G_2462



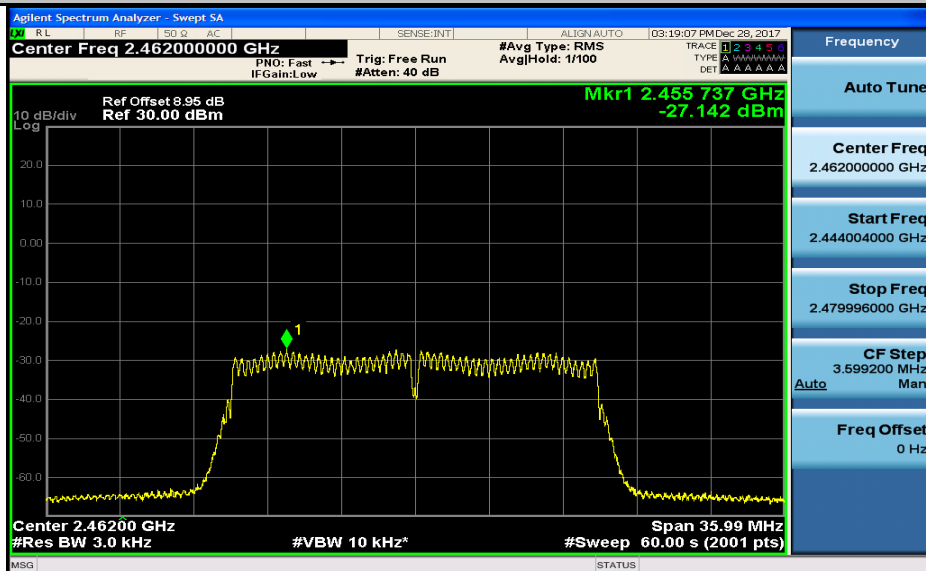
Maximum(average) power spectral density_11N20SISO_2412



Maximum(average) power spectral density_11N20SISO_2437



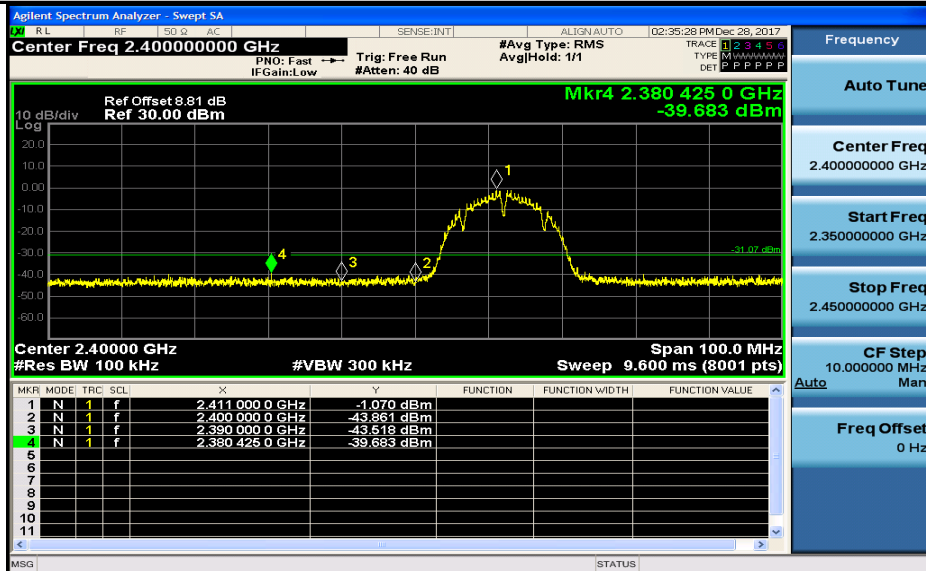
Maximum(average) power spectral density_11N20SISO_2462



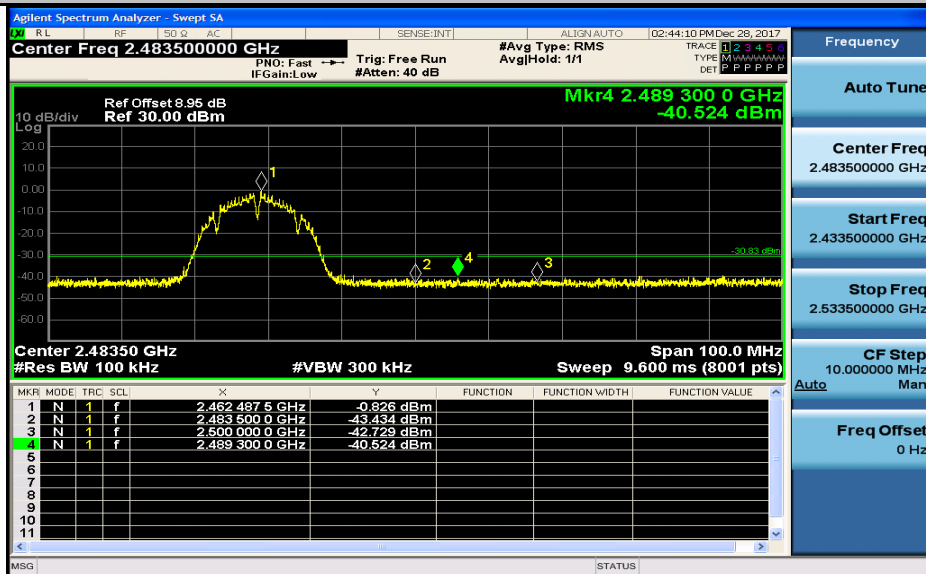
4.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	-1.070	-39.683	-31.07	PASS
11B	2462	Ant1	-0.826	-40.524	-30.83	PASS
11G	2412	Ant1	-3.445	-39.680	-33.45	PASS
11G	2462	Ant1	-4.548	-40.000	-34.55	PASS
11N20SISO	2412	Ant1	-3.686	-39.606	-33.69	PASS
11N20SISO	2462	Ant1	-3.119	-38.771	-33.12	PASS

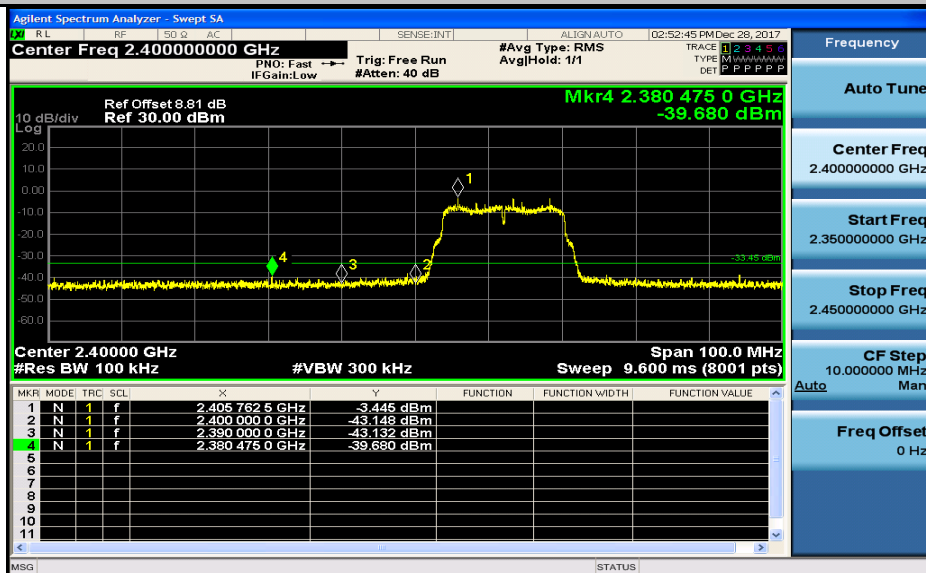
Band-edge for RF Conducted Emissions_11B_2412_Ant1



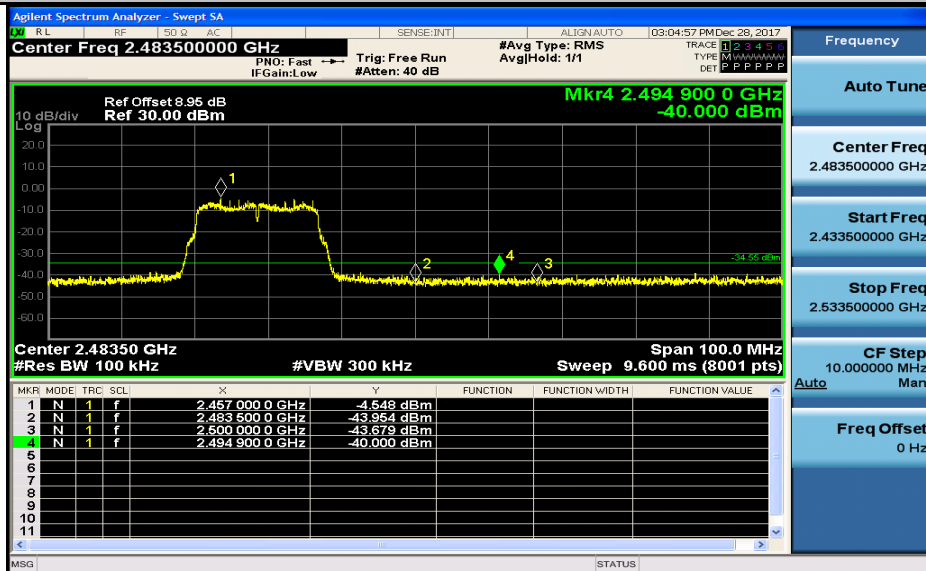
Band-edge for RF Conducted Emissions_11B_2462_Ant1



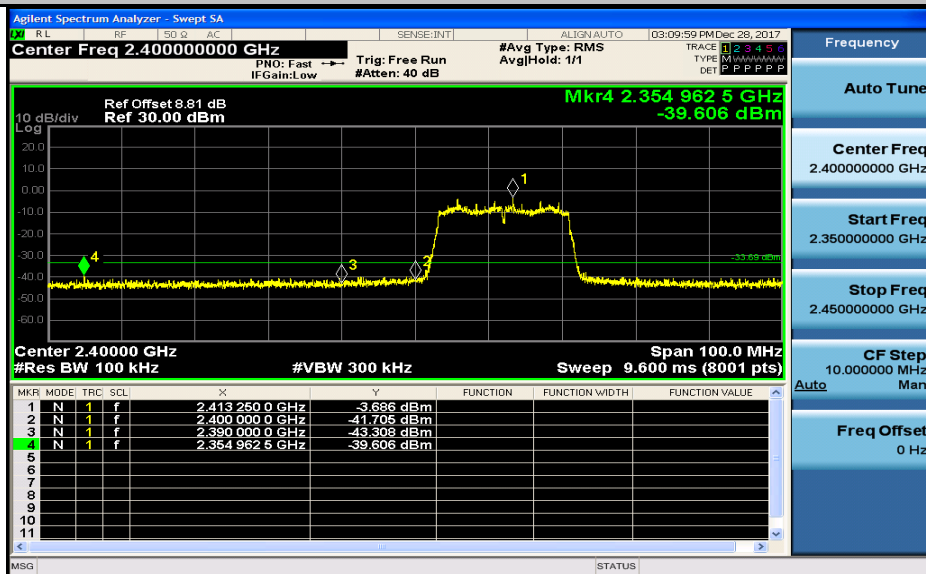
Band-edge for RF Conducted Emissions_11G_2412_Ant1



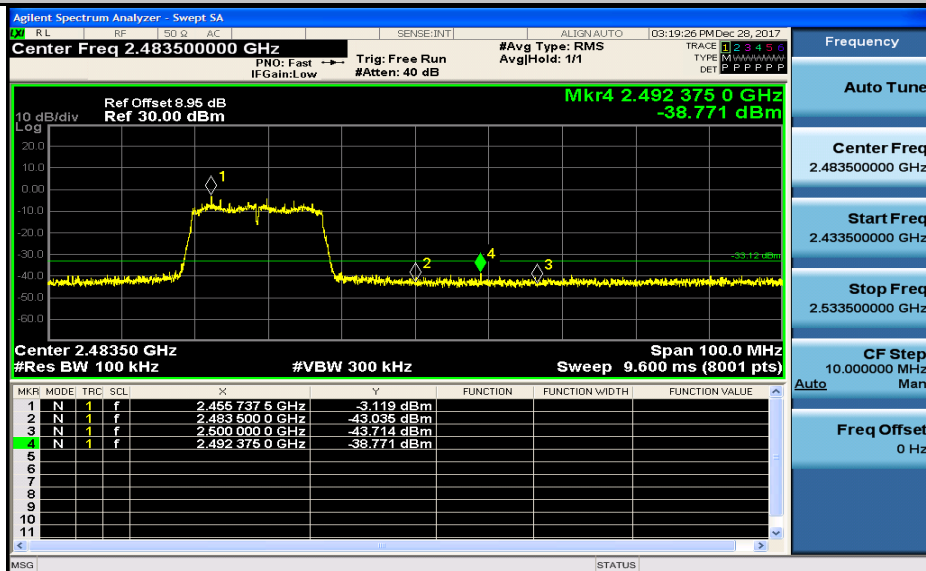
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



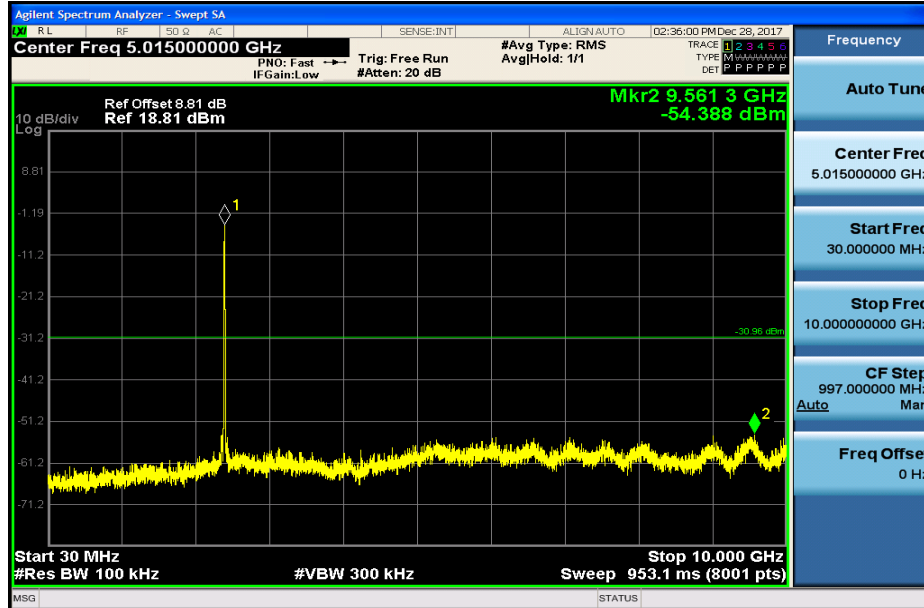
5.RF Conducted Spurious Emissions

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	10000	100	300	-0.957	-54.388	<- 30.957	PASS
11B	2412	Ant1	10000	26000	100	300	-0.957	-44.584	<- 30.957	PASS
11B	2437	Ant1	30	10000	100	300	-0.951	-54.272	<- 30.951	PASS
11B	2437	Ant1	10000	26000	100	300	-0.951	-44.847	<- 30.951	PASS
11B	2462	Ant1	30	10000	100	300	-0.803	-54.324	<- 30.803	PASS
11B	2462	Ant1	10000	26000	100	300	-0.803	-43.495	<- 30.803	PASS
11G	2412	Ant1	30	10000	100	300	-3.183	-53.183	<- 33.183	PASS
11G	2412	Ant1	10000	26000	100	300	-3.183	-44.734	<- 33.183	PASS
11G	2437	Ant1	30	10000	100	300	-4.411	-54.150	<- 34.411	PASS
11G	2437	Ant1	10000	26000	100	300	-4.411	-43.670	<- 34.411	PASS
11G	2462	Ant1	30	10000	100	300	-3.589	-53.788	<- 33.589	PASS
11G	2462	Ant1	10000	26000	100	300	-3.589	-44.799	<- 33.589	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-3.775	-54.433	<- 33.775	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-3.775	-44.945	<- 33.775	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-3.88	-53.654	<- 33.88	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-3.88	-44.672	<- 33.88	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-3.932	-54.423	<- 33.932	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-3.932	-42.047	<- 33.932	PASS

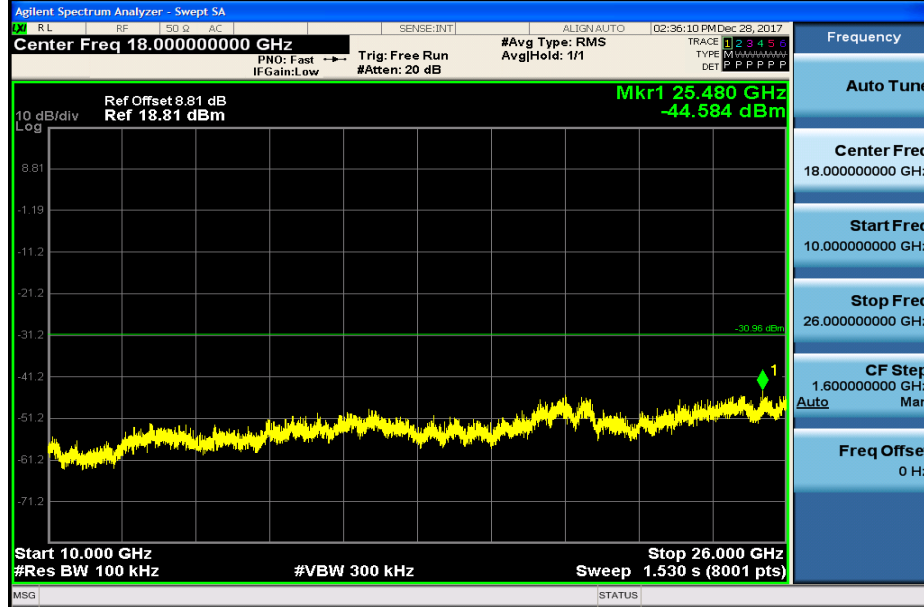
RF Conducted Spurious Emissions_11B_2412



Frequency
Auto Tune
Center Freq 2.41200000 GHz
Start Freq 2.39200000 GHz
Stop Freq 2.43200000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

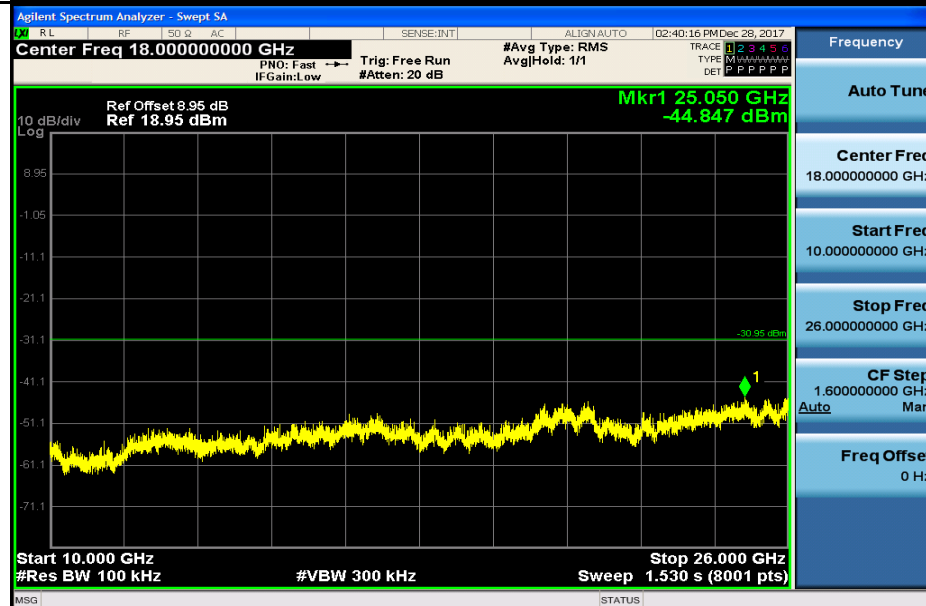
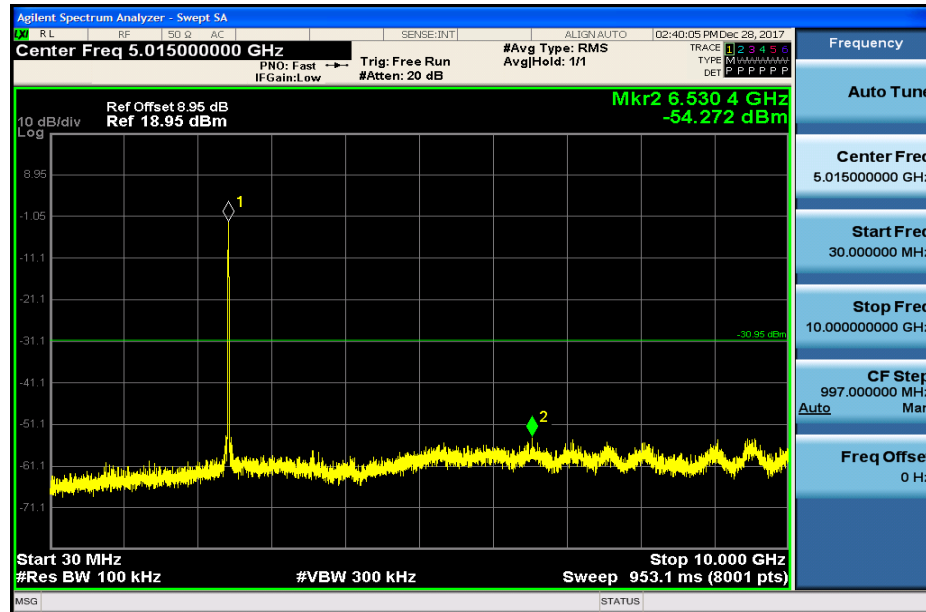
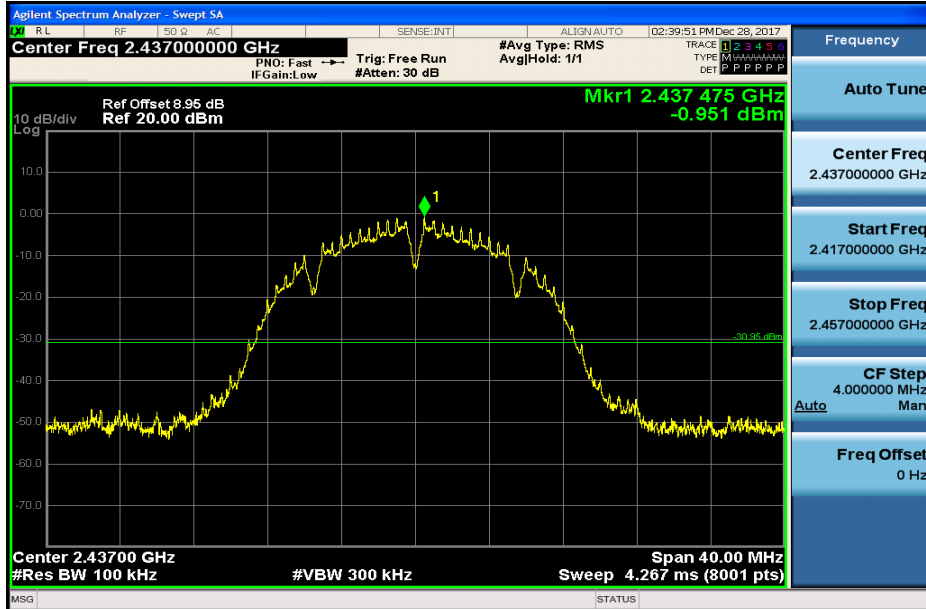


Frequency
Auto Tune
Center Freq 5.01500000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.00000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

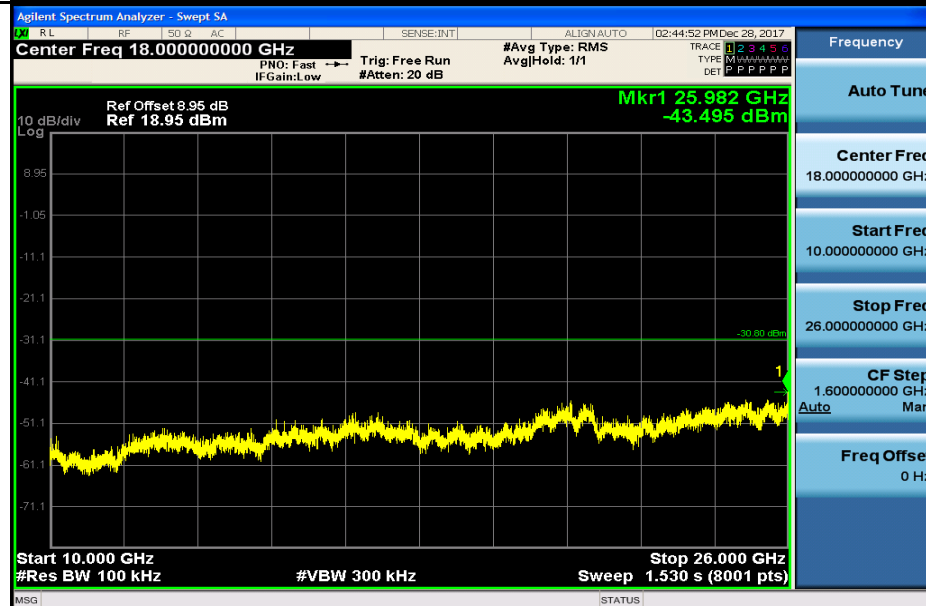
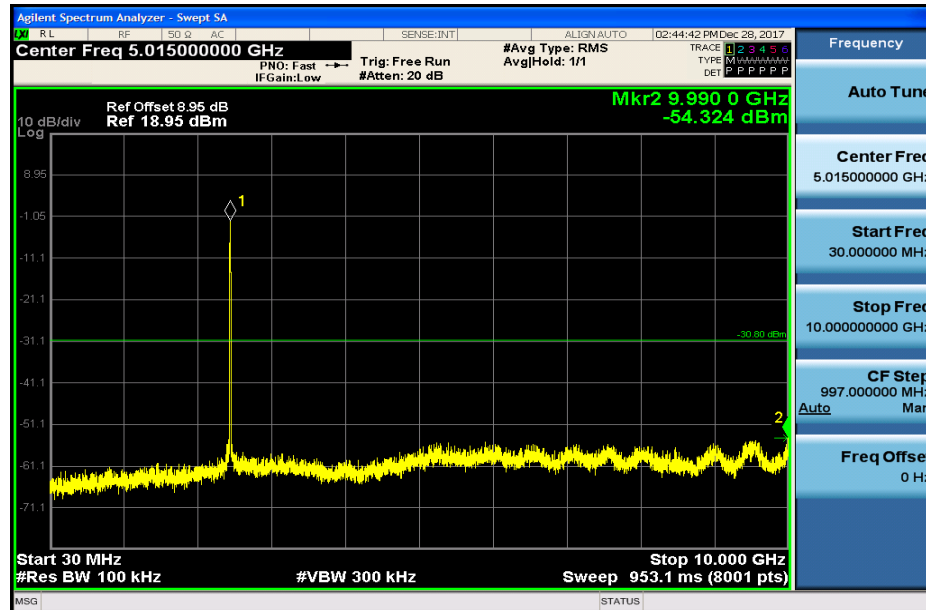
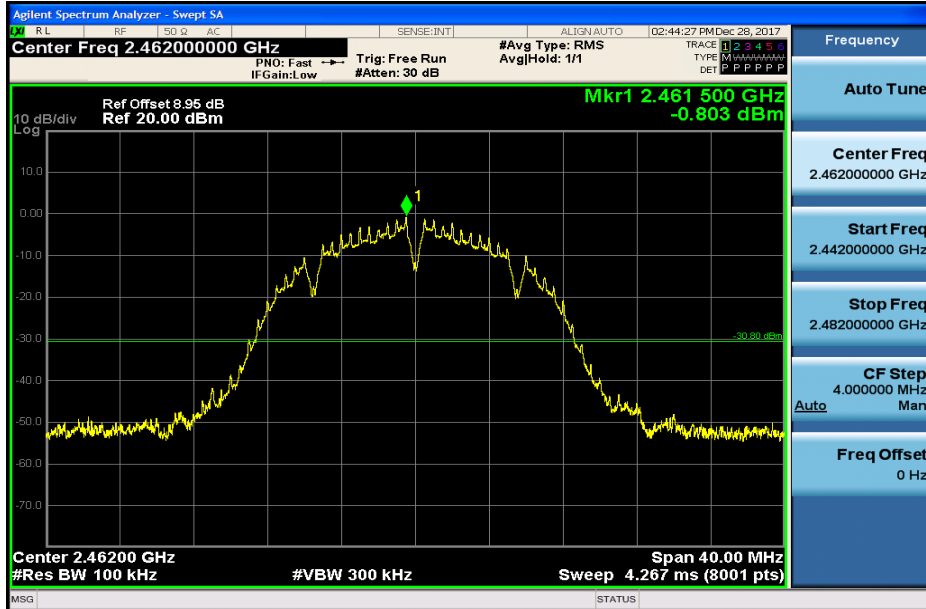


Frequency
Auto Tune
Center Freq 18.00000000 GHz
Start Freq 10.00000000 GHz
Stop Freq 26.00000000 GHz
CF Step 1.60000000 GHz Auto Man
Freq Offset 0 Hz

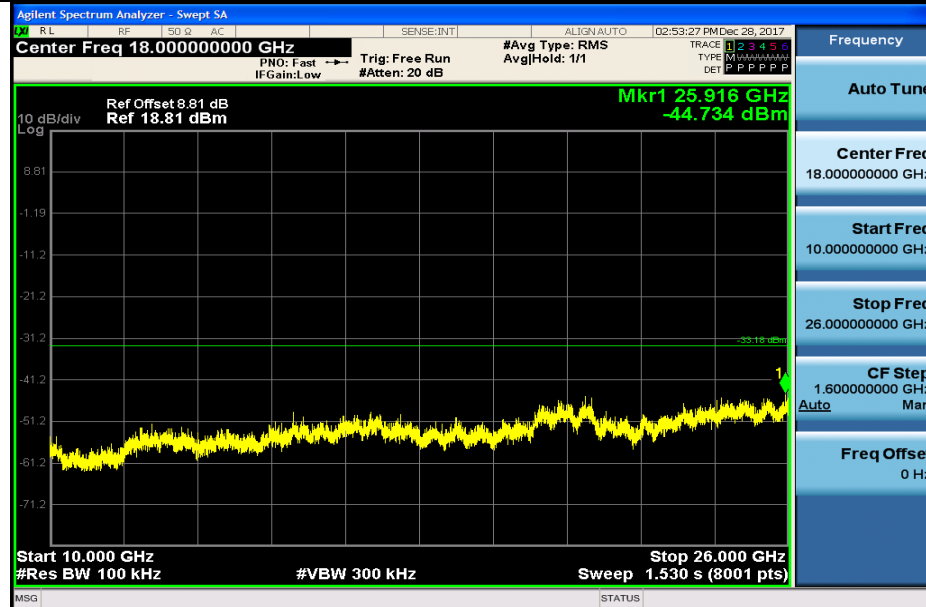
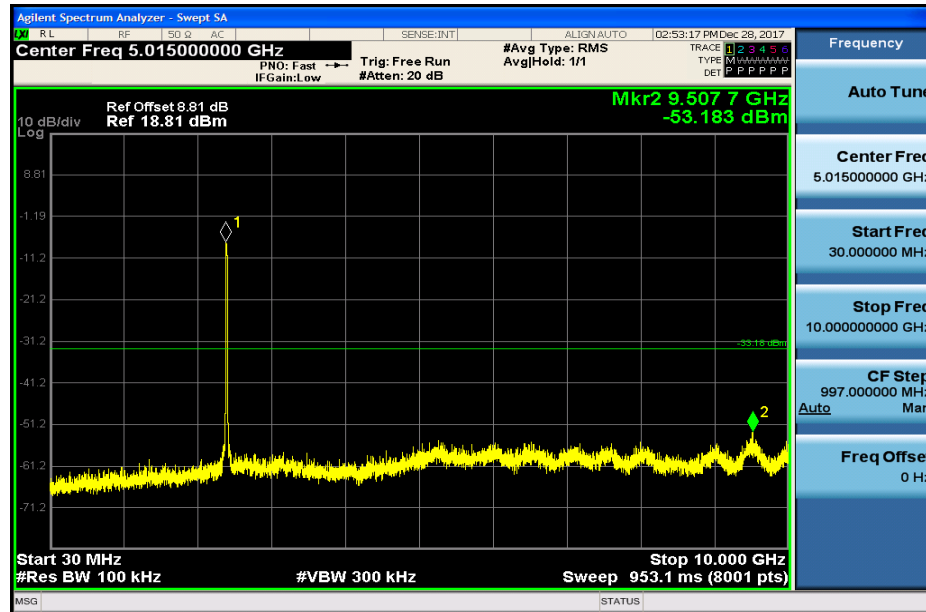
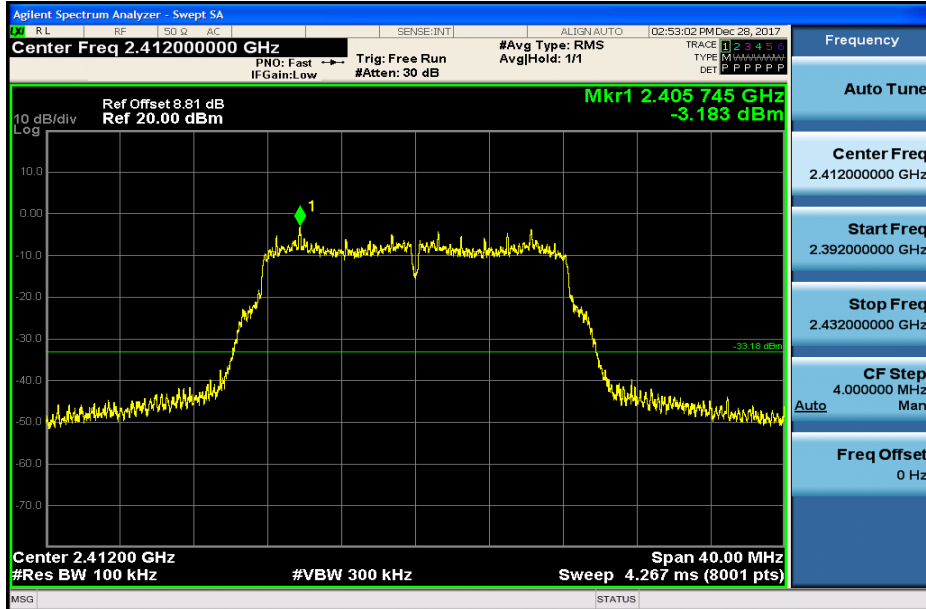
RF Conducted Spurious Emissions_11B_2437



RF Conducted Spurious Emissions_11B_2462



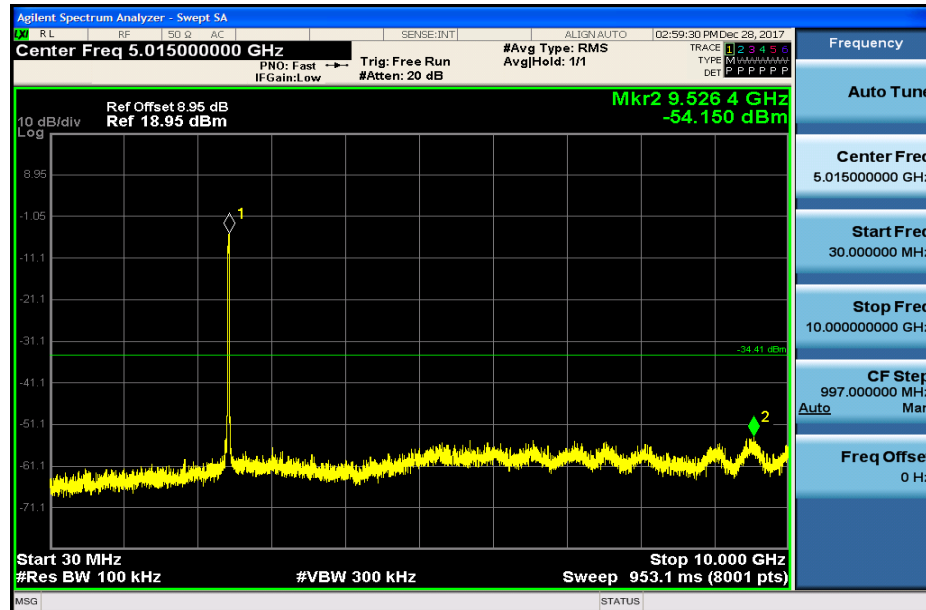
RF Conducted Spurious Emissions_11G_2412



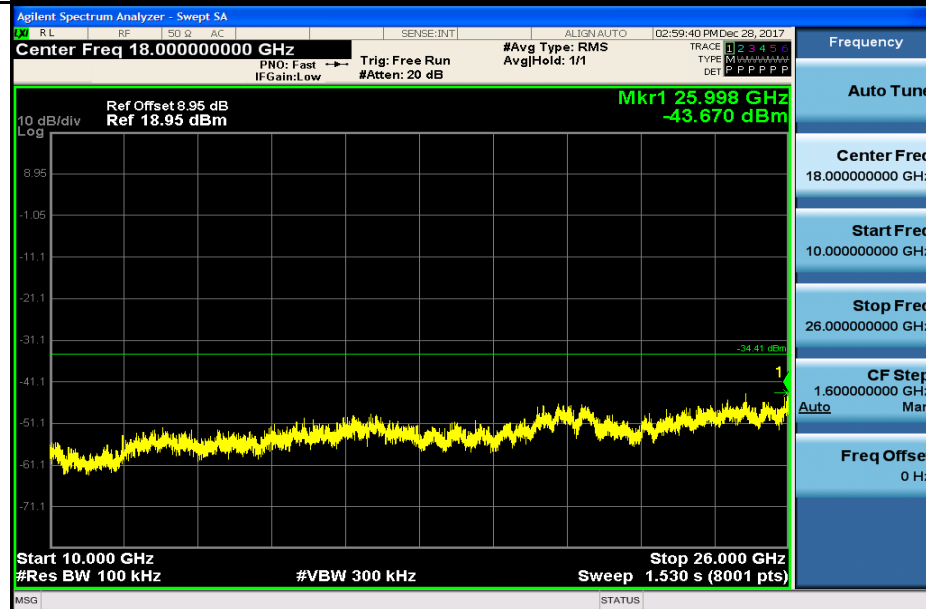
RF Conducted Spurious Emissions_11G_2437



Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

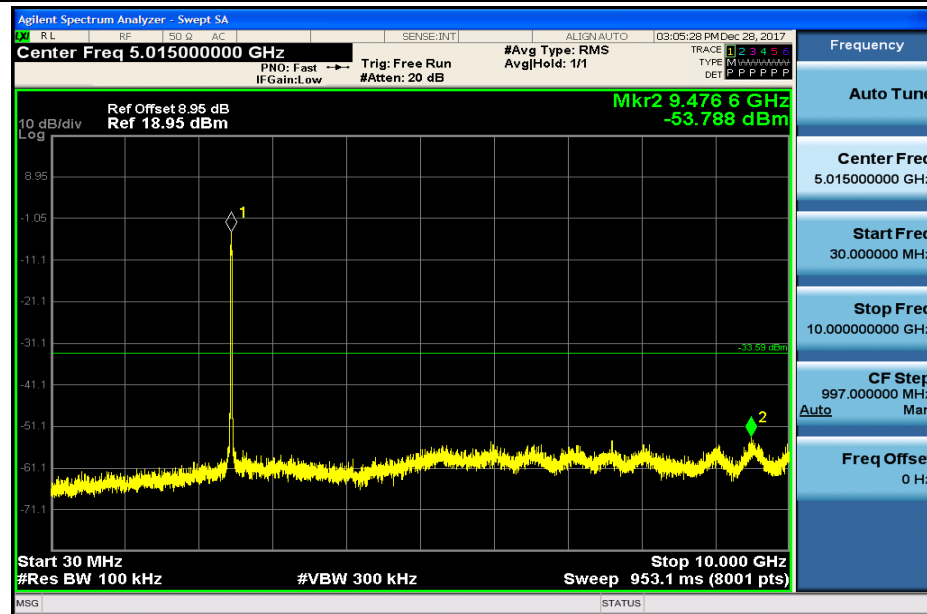


Frequency
Auto Tune
Center Freq 5.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

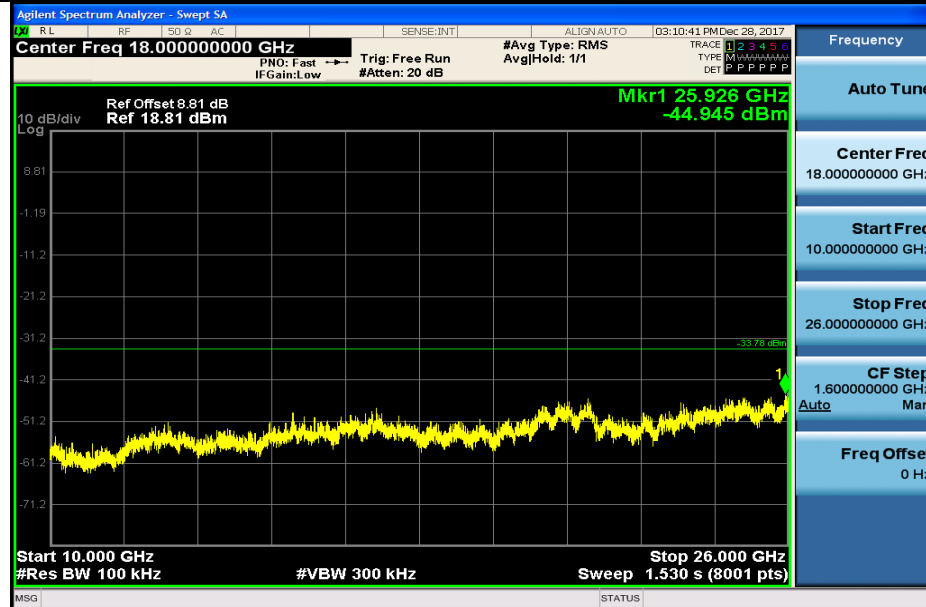
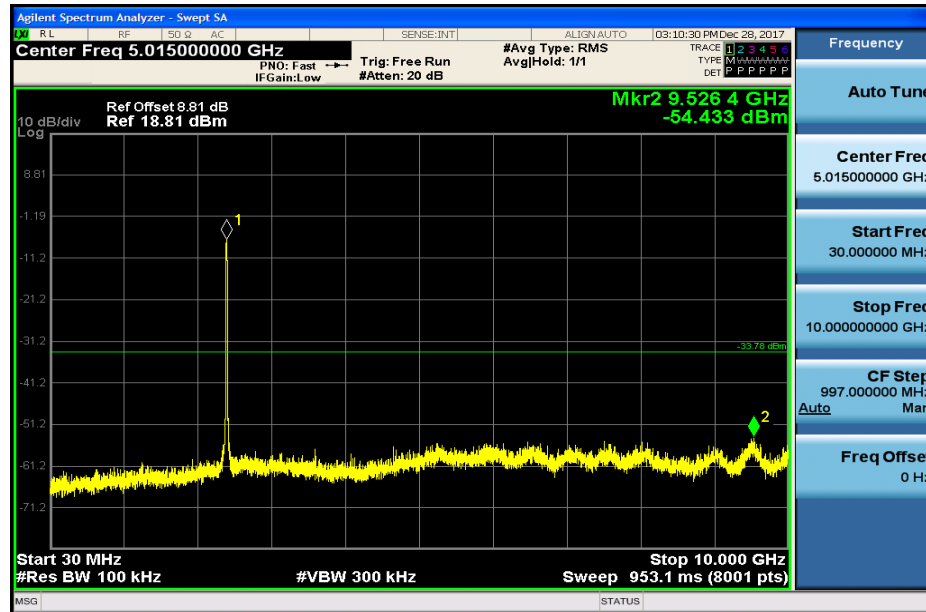


Frequency
Auto Tune
Center Freq 18.000000000 GHz
Start Freq 10.000000000 GHz
Stop Freq 26.000000000 GHz
CF Step 1.600000000 GHz Auto Man
Freq Offset 0 Hz

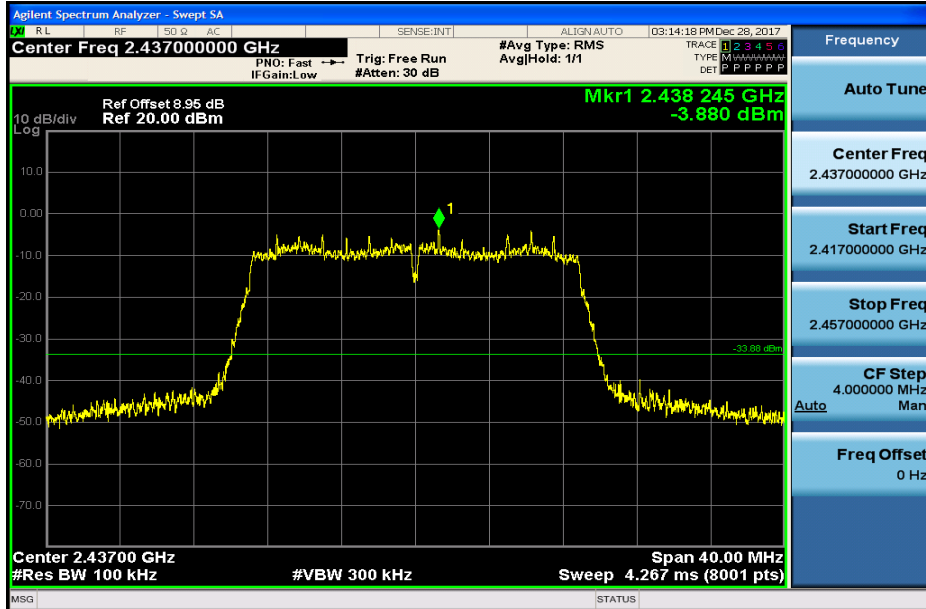
RF Conducted Spurious Emissions_11G_2462



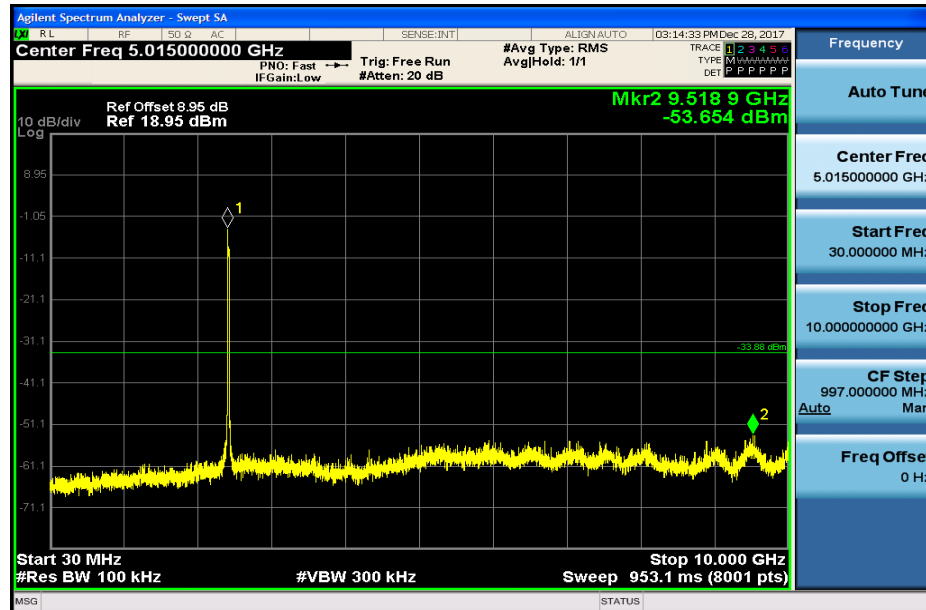
RF Conducted Spurious Emissions_11N20SISO_2412



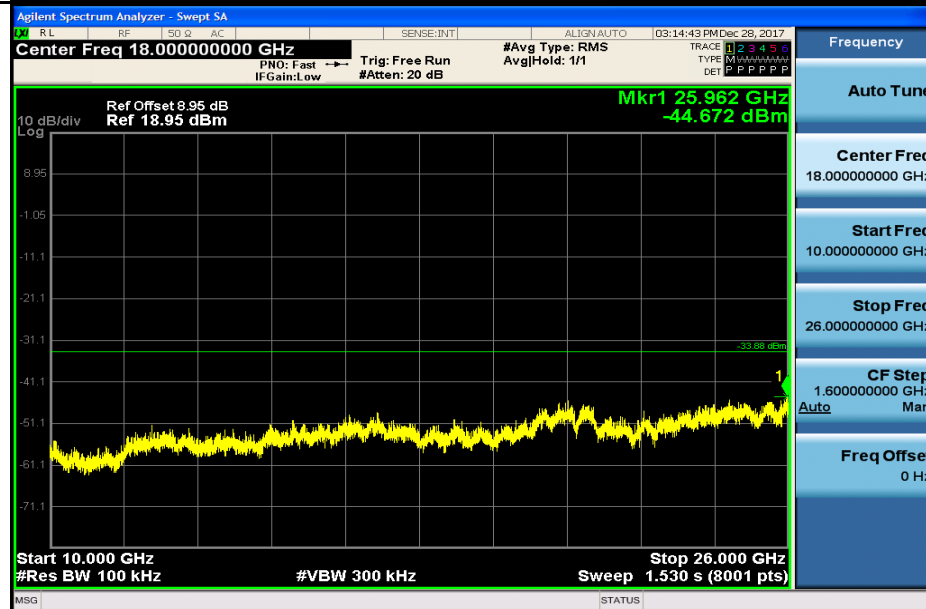
RF Conducted Spurious Emissions_11N20SISO_2437



Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

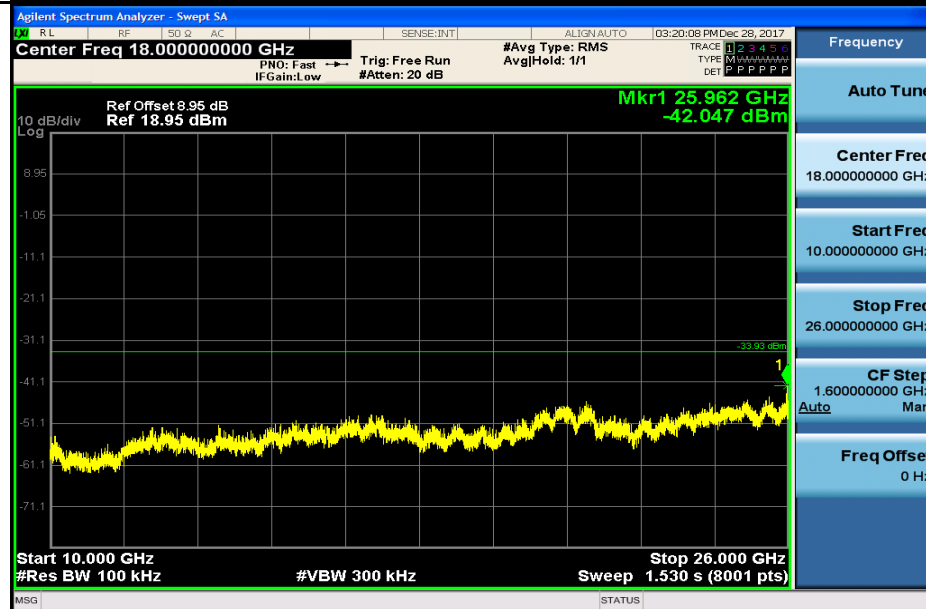
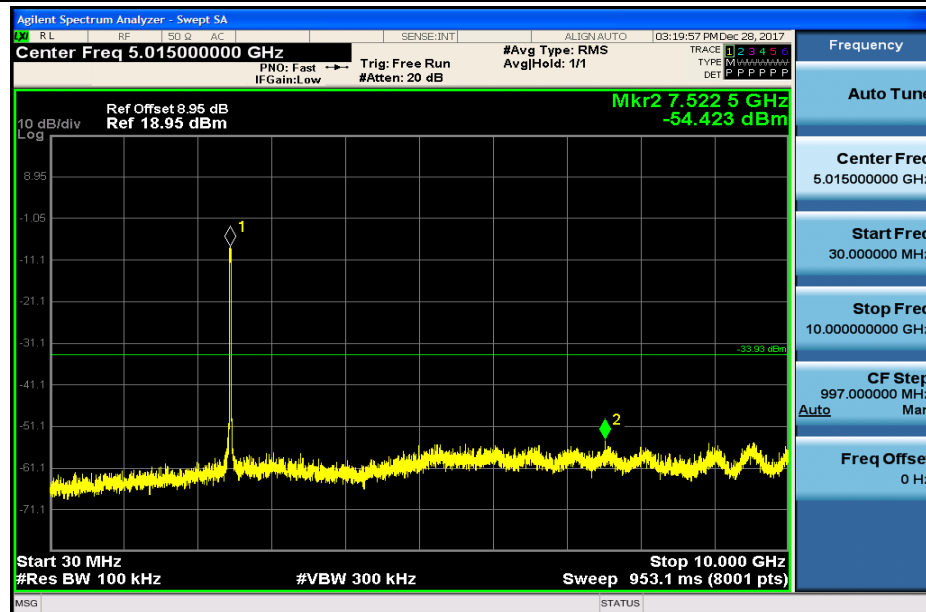
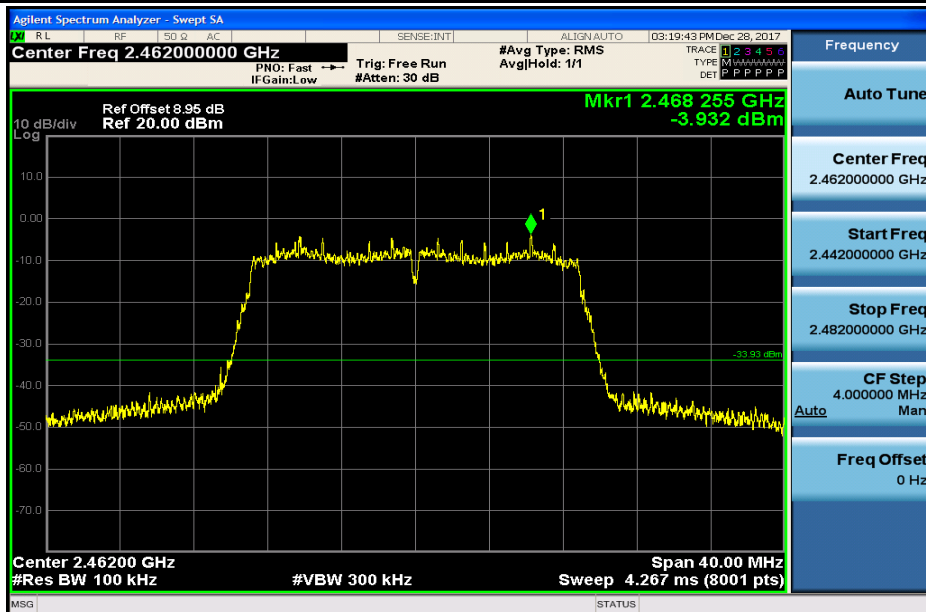


Frequency
Auto Tune
Center Freq 5.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz



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

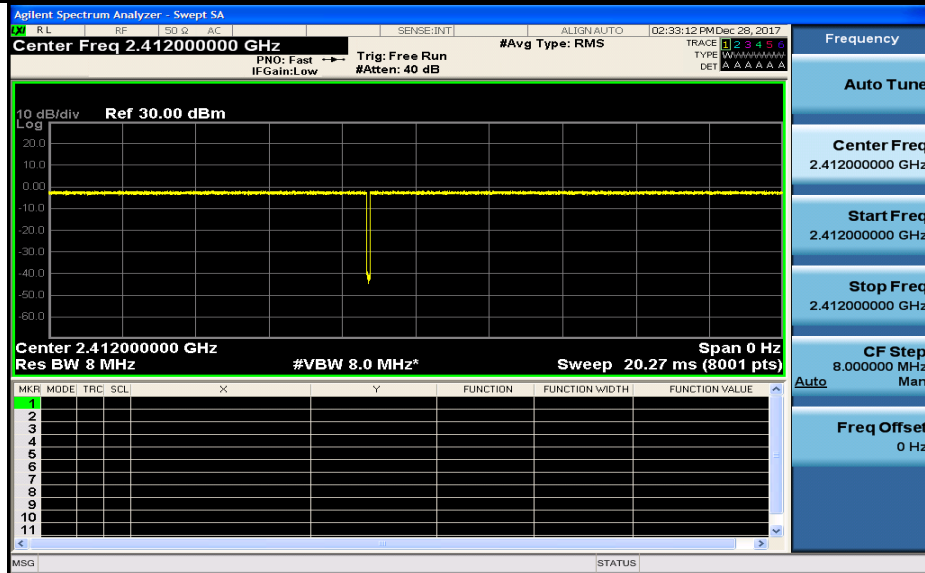
RF Conducted Spurious Emissions_11N20SISO_2462



6.Duty Cycle

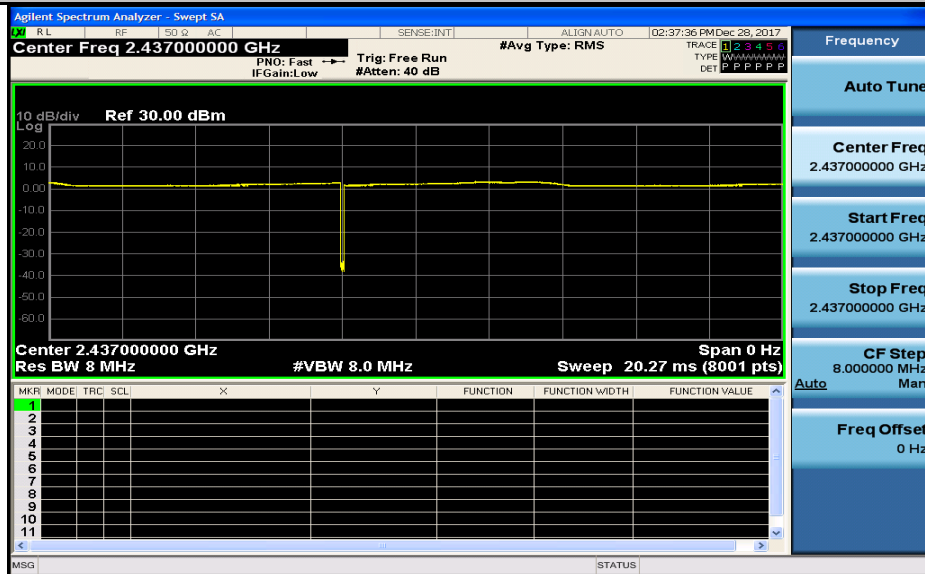
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	100	0
11B	2437	Ant1	100	0
11B	2462	Ant1	99.19	0.0353210973828275
11G	2412	Ant1	95.2	0.213630516155257
11G	2437	Ant1	95.2	0.213630516155257
11G	2462	Ant1	95.09	0.218651526017105
11N20SISO	2412	Ant1	94.74	0.234666196080622
11N20SISO	2437	Ant1	94.74	0.234666196080622
11N20SISO	2462	Ant1	94.73	0.235124626948101

Duty Cycle_11B_2412_Ant1



Frequency
Auto Tune
Center Freq 2.412000000 GHz
Start Freq 2.412000000 GHz
Stop Freq 2.412000000 GHz
CF Step 8.000000 MHz Auto Man
Freq Offset 0 Hz

Duty Cycle_11B_2437_Ant1



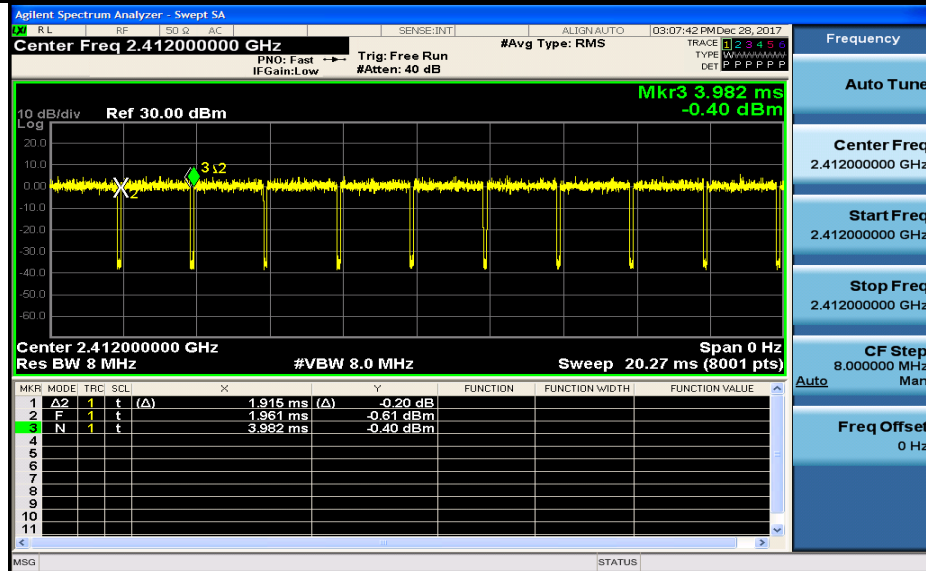
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.000000 MHz Auto Man
Freq Offset 0 Hz

Duty Cycle_11B_2462_Ant1

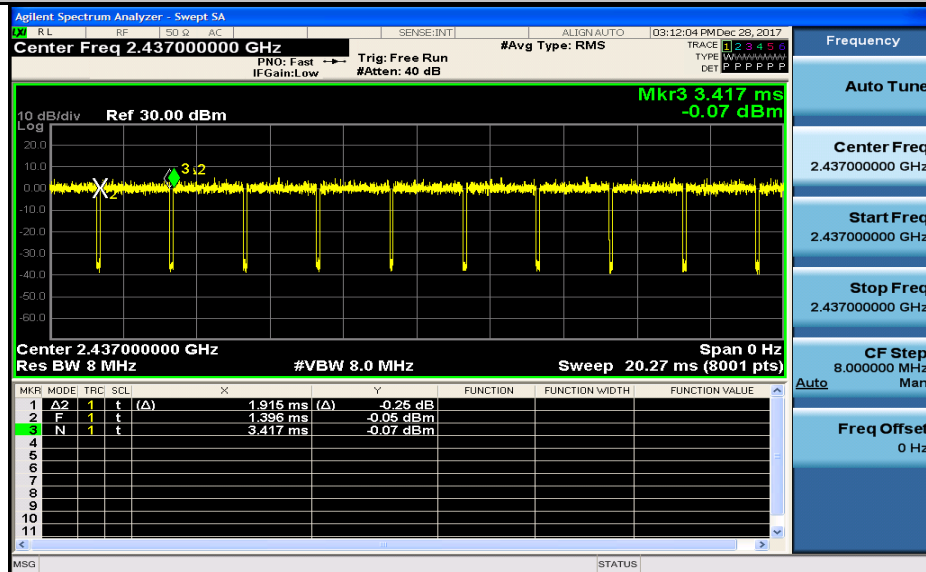


Frequency
Auto Tune
Center Freq 2.462000000 GHz
Start Freq 2.462000000 GHz
Stop Freq 2.462000000 GHz
CF Step 8.000000 MHz Auto Man
Freq Offset 0 Hz

Duty Cycle_11N20SISO_2412_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N20SISO_2462_Ant1

