



Appendix A for SHEM180900845101

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.06	0.5	PASS
11B	2437	Ant1	10.07	0.5	PASS
11B	2462	Ant1	10.05	0.5	PASS
11G	2412	Ant1	16.57	0.5	PASS
11G	2437	Ant1	16.57	0.5	PASS
11G	2462	Ant1	16.57	0.5	PASS
11N20SISO	2412	Ant1	16.57	0.5	PASS
11N20SISO	2437	Ant1	16.55	0.5	PASS
11N20SISO	2462	Ant1	16.56	0.5	PASS
11N40SISO	2422	Ant1	36.33	0.5	PASS
11N40SISO	2437	Ant1	36.34	0.5	PASS
11N40SISO	2452	Ant1	36.32	0.5	PASS

6dB Bandwidth\_11B\_2412\_Ant1



6dB Bandwidth\_11B\_2437\_Ant1



6dB Bandwidth\_11B\_2462\_Ant1



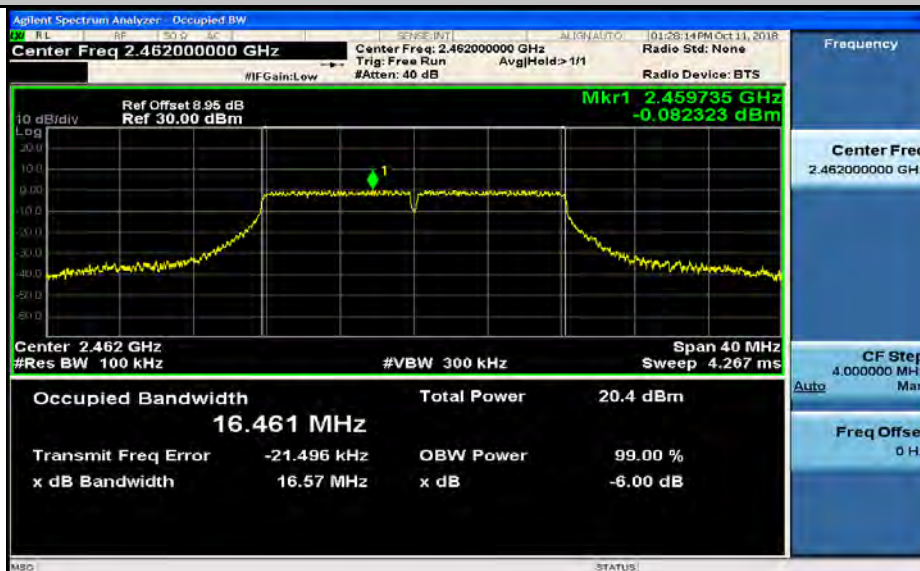
6dB Bandwidth\_11G\_2412\_Ant1



6dB Bandwidth\_11G\_2437\_Ant1

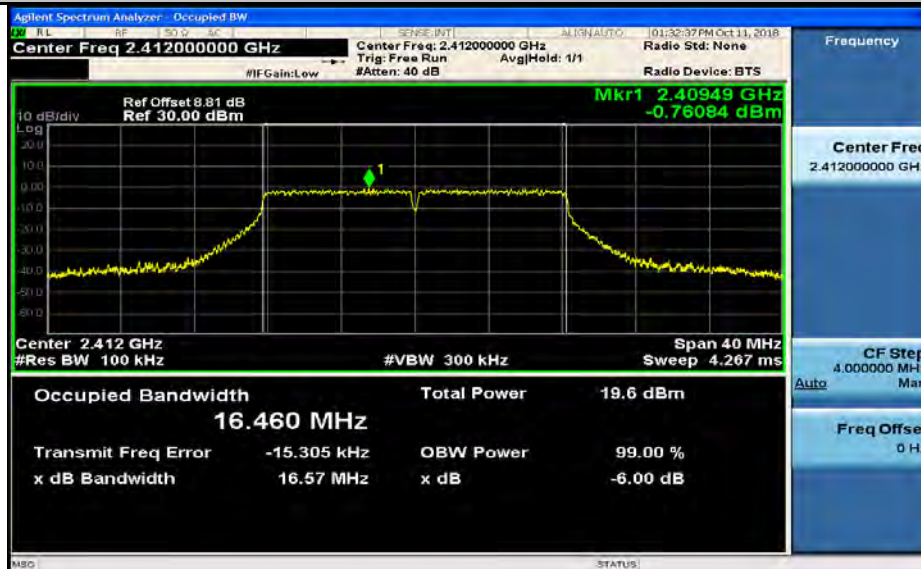


6dB Bandwidth\_11G\_2462\_Ant1

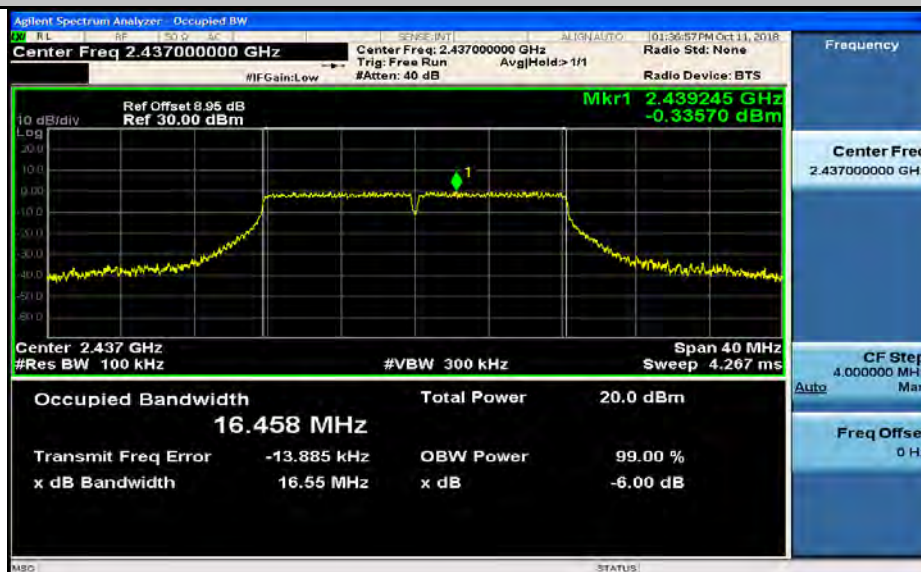




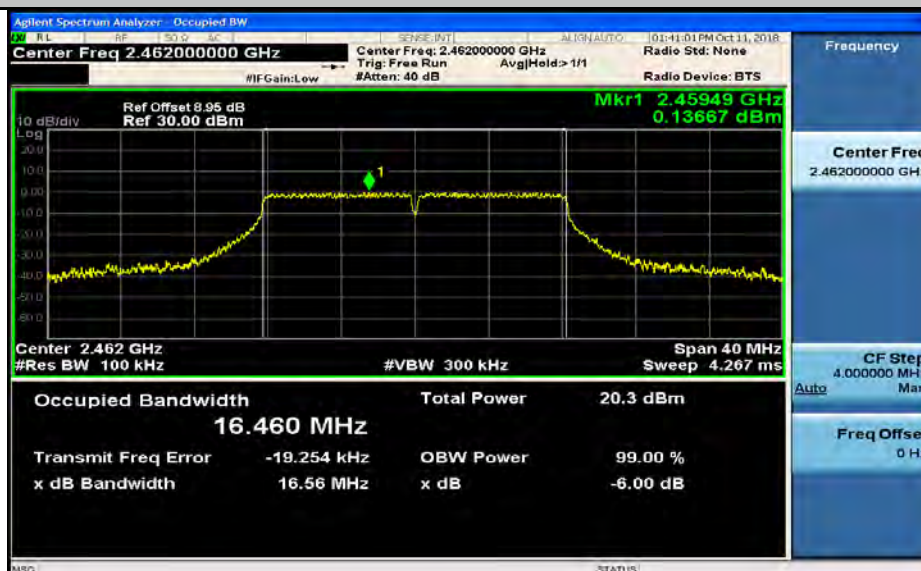
6dB Bandwidth\_11N20SISO\_2412\_Ant1



6dB Bandwidth\_11N20SISO\_2437\_Ant1



6dB Bandwidth\_11N20SISO\_2462\_Ant1



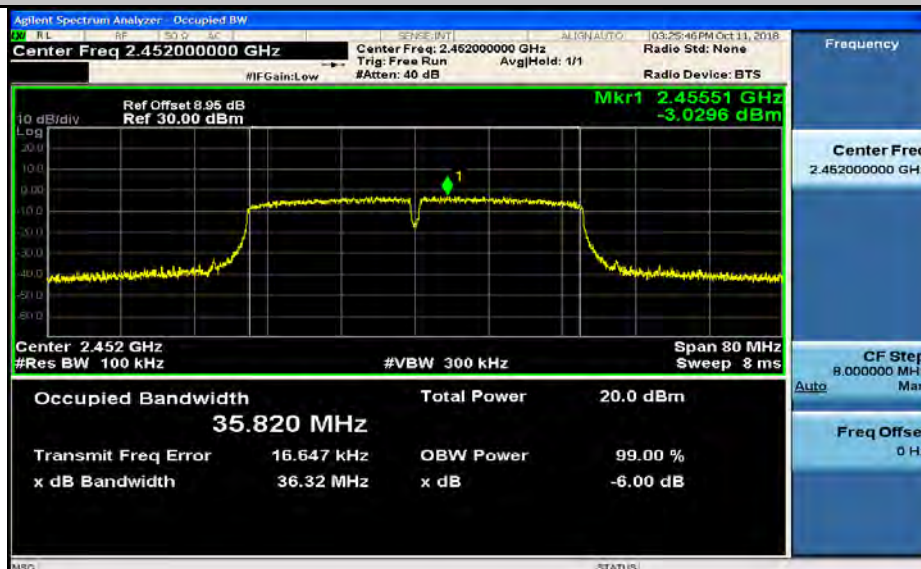
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1



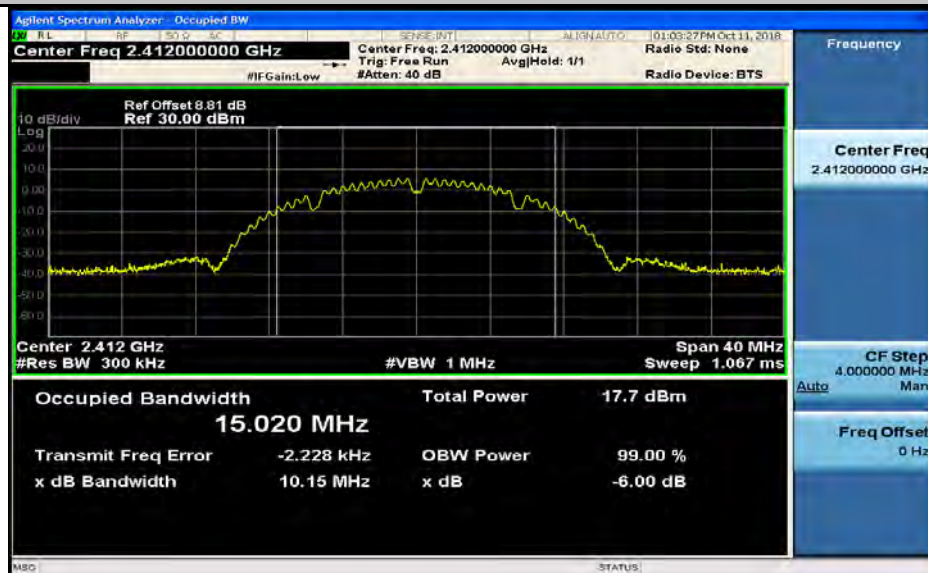


## 2.Occupied Bandwidth

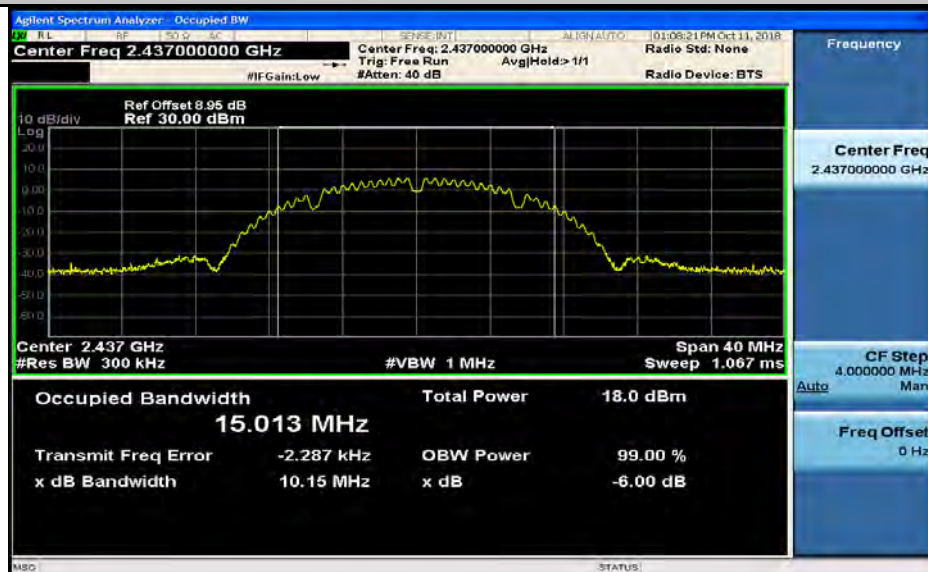
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	15.02	---	PASS
11B	2437	Ant1	15.01	---	PASS
11B	2462	Ant1	15.00	---	PASS
11G	2412	Ant1	16.78	---	PASS
11G	2437	Ant1	16.79	---	PASS
11G	2462	Ant1	16.78	---	PASS
11N20SISO	2412	Ant1	16.79	---	PASS
11N20SISO	2437	Ant1	16.78	---	PASS
11N20SISO	2462	Ant1	16.77	---	PASS
11N40SISO	2422	Ant1	36.13	---	PASS
11N40SISO	2437	Ant1	36.12	---	PASS
11N40SISO	2452	Ant1	36.10	---	PASS



### Occupied Bandwidth\_11B\_2412



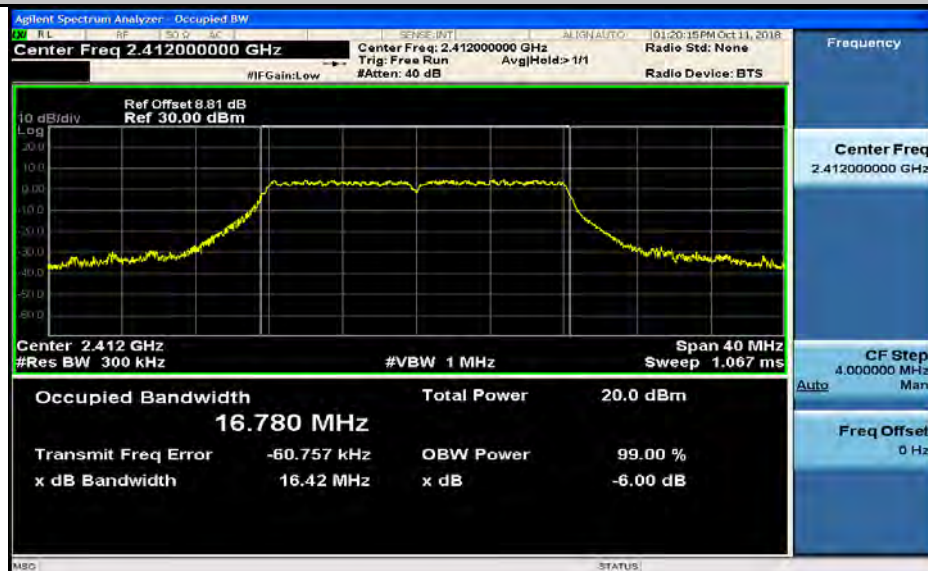
### Occupied Bandwidth\_11B\_2437



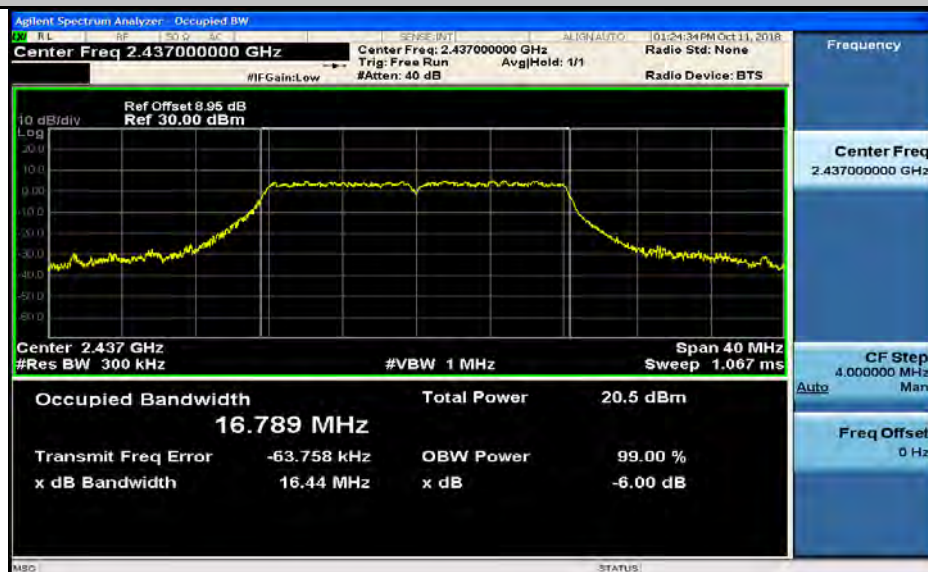
### Occupied Bandwidth\_11B\_2462



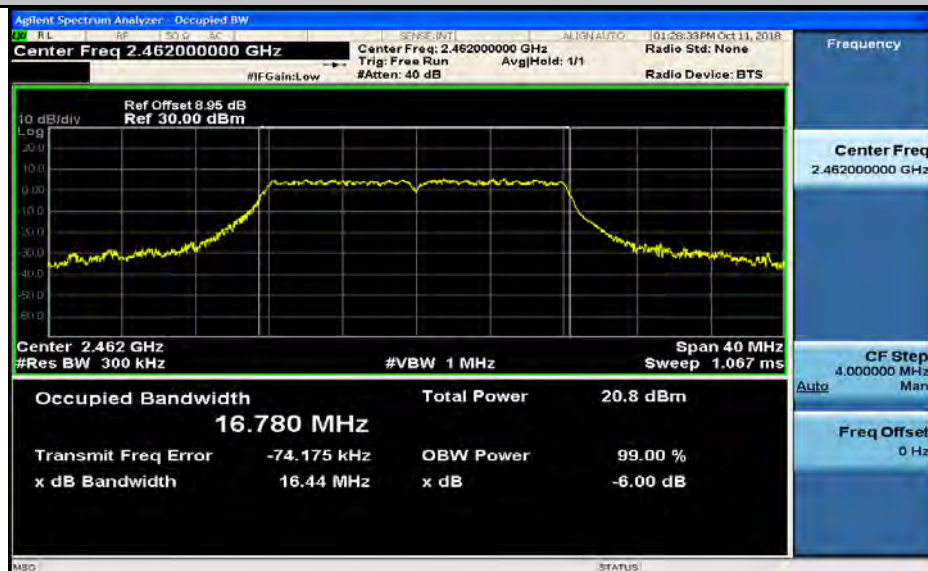
### Occupied Bandwidth\_11G\_2412



### Occupied Bandwidth\_11G\_2437

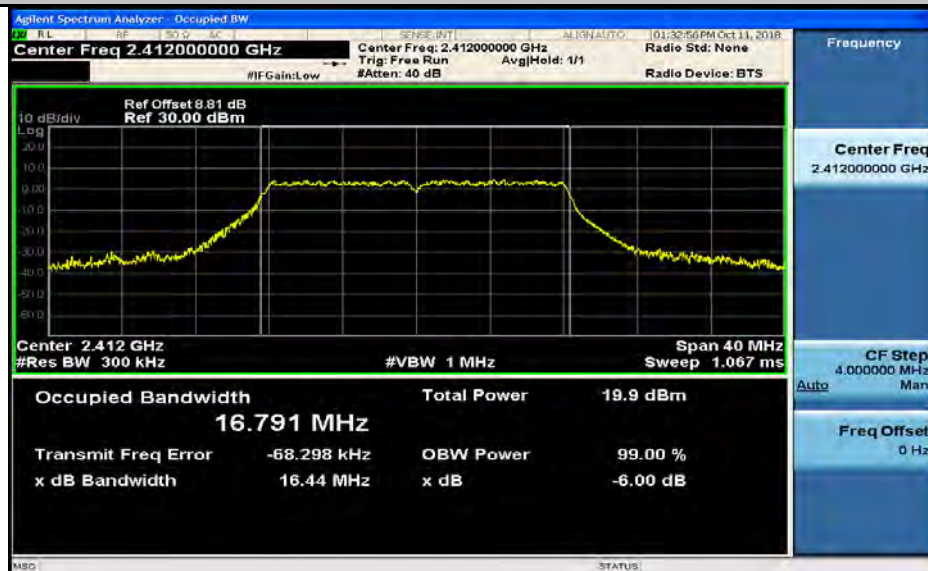


### Occupied Bandwidth\_11G\_2462

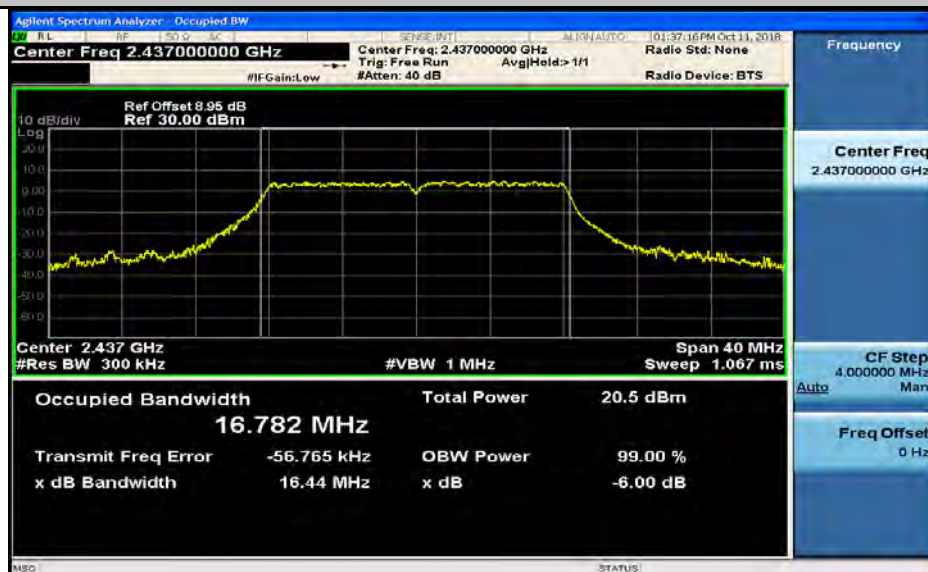




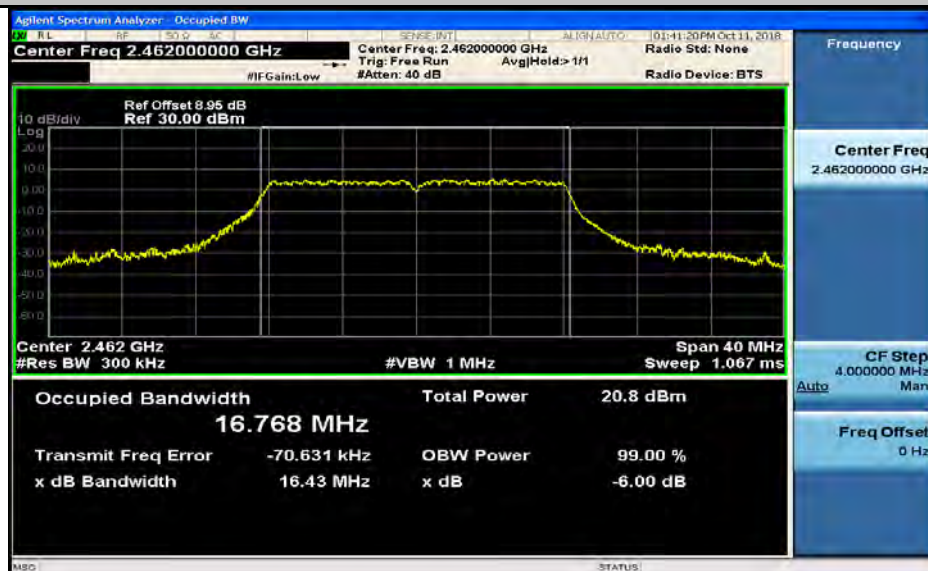
### Occupied Bandwidth\_11N20SISO\_2412



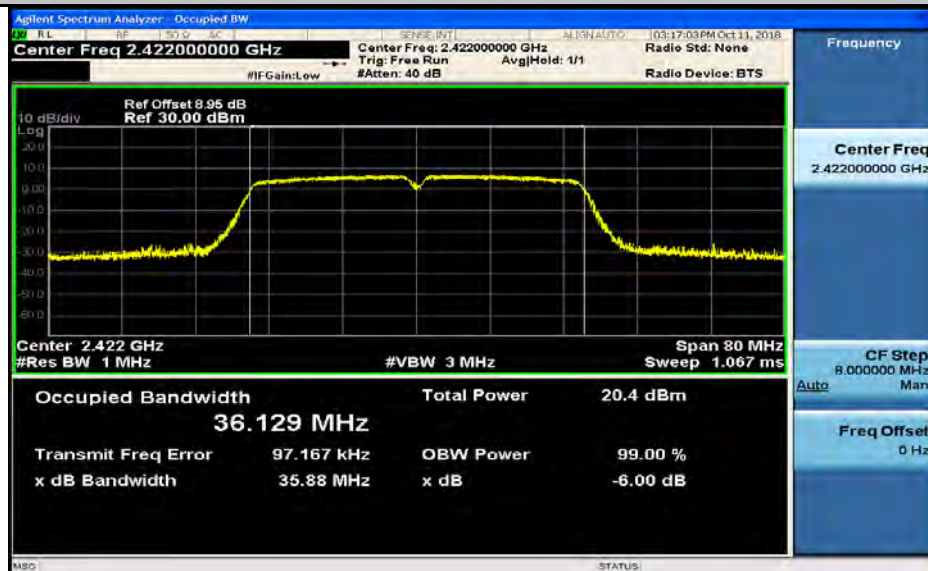
### Occupied Bandwidth\_11N20SISO\_2437



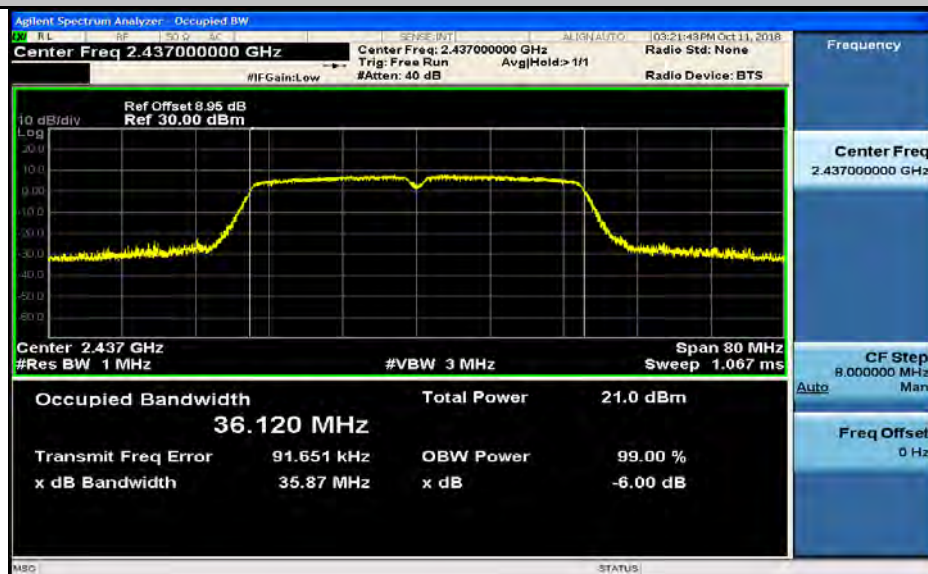
### Occupied Bandwidth\_11N20SISO\_2462



Occupied Bandwidth\_11N40SISO\_2422



Occupied Bandwidth\_11N40SISO\_2437



Occupied Bandwidth\_11N40SISO\_2452





**3.Maximum conducted (average) output power**

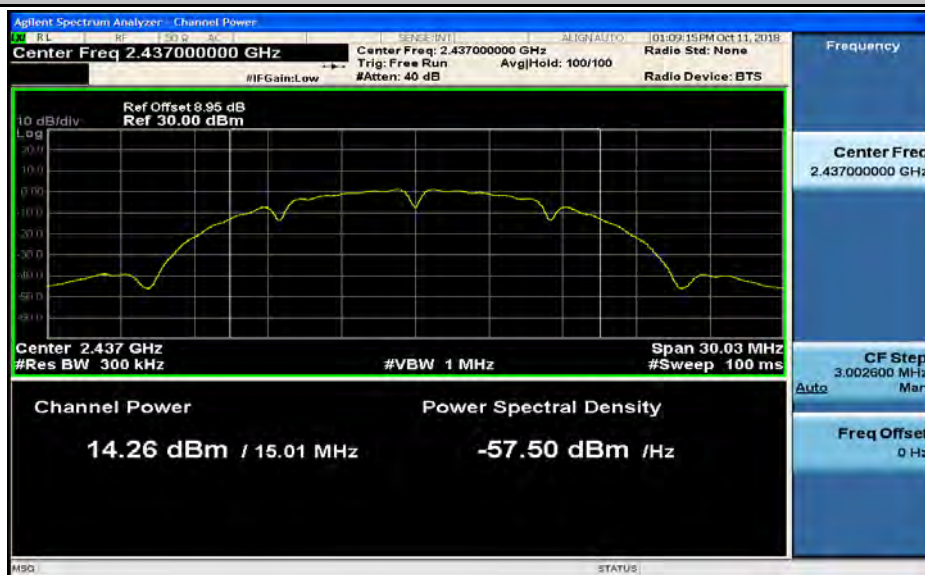
Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	13.9	0.00	13.90	30	PASS
11B	2437	Ant1	14.26	0.00	14.26	30	PASS
11B	2462	Ant1	14.52	0.00	14.52	30	PASS
11G	2412	Ant1	13.7	0.00	13.70	30	PASS
11G	2437	Ant1	14.16	0.00	14.16	30	PASS
11G	2462	Ant1	14.46	0.00	14.46	30	PASS
11N20SISO	2412	Ant1	13.64	0.00	13.64	30	PASS
11N20SISO	2437	Ant1	14.14	0.00	14.14	30	PASS
11N20SISO	2462	Ant1	14.44	0.00	14.44	30	PASS
11N40SISO	2422	Ant1	13.13	0.00	13.13	30	PASS
11N40SISO	2437	Ant1	13.79	0.00	13.79	30	PASS
11N40SISO	2452	Ant1	13.95	0.00	13.95	30	PASS



Maximum conducted (average) output power\_11B\_2412\_Ant1



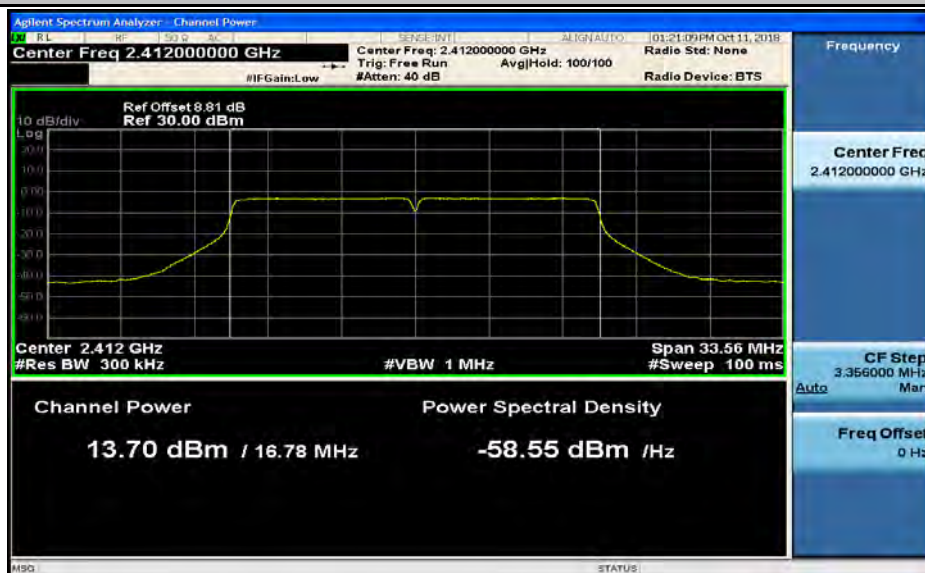
Maximum conducted (average) output power\_11B\_2437\_Ant1



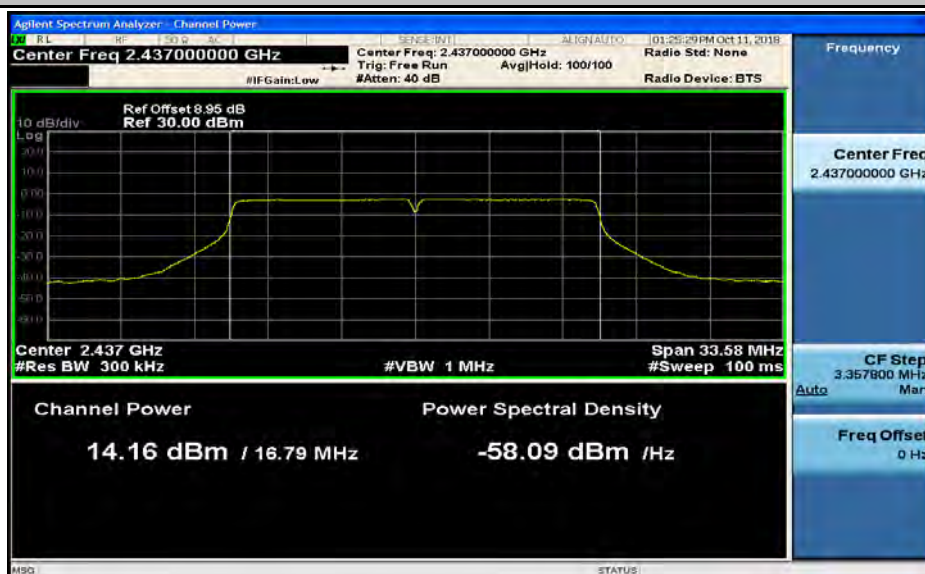
Maximum conducted (average) output power\_11B\_2462\_Ant1



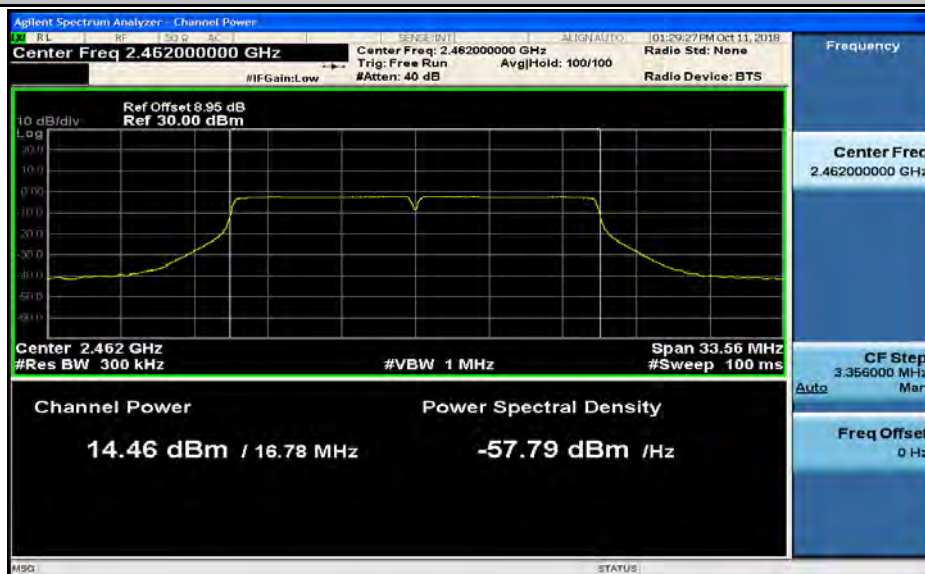
Maximum conducted (average) output power\_11G\_2412\_Ant1



Maximum conducted (average) output power\_11G\_2437\_Ant1

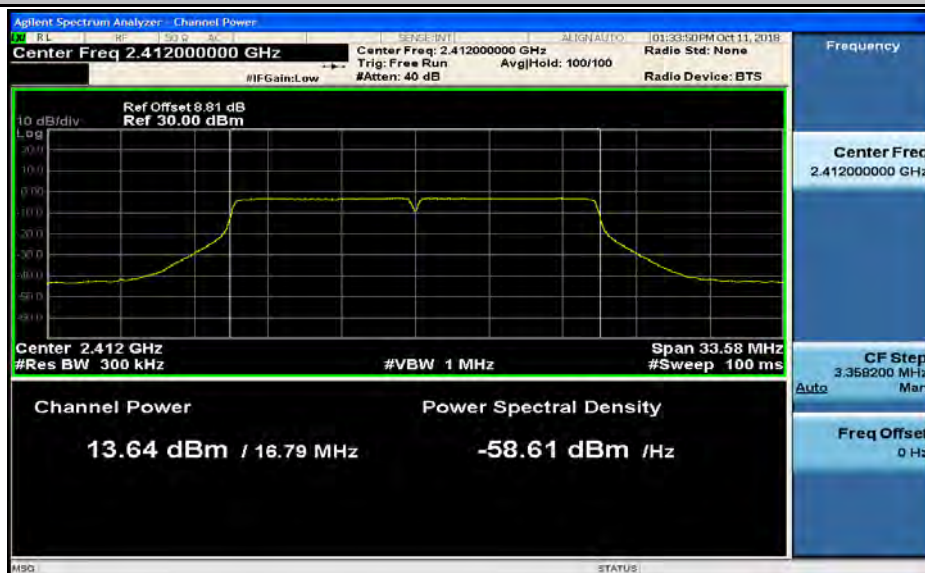


Maximum conducted (average) output power\_11G\_2462\_Ant1

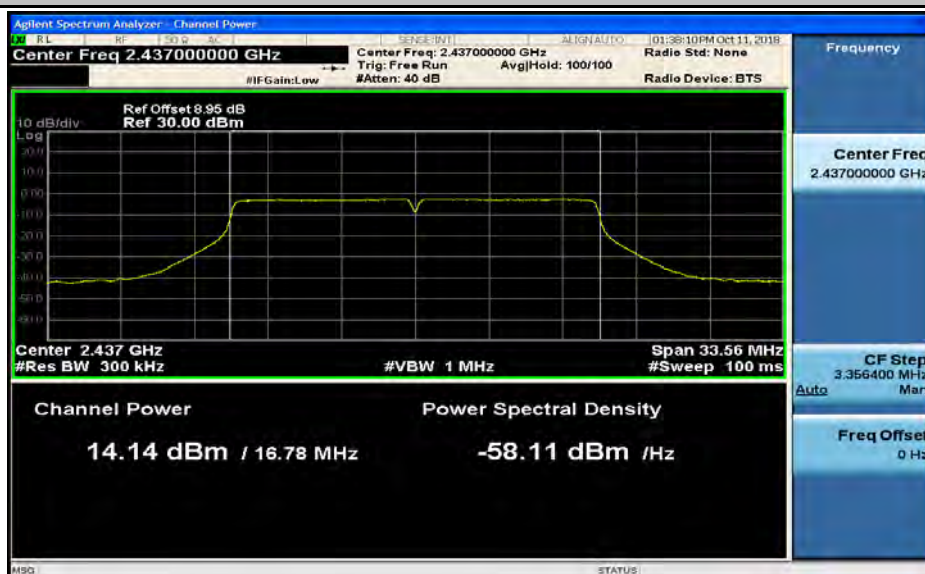




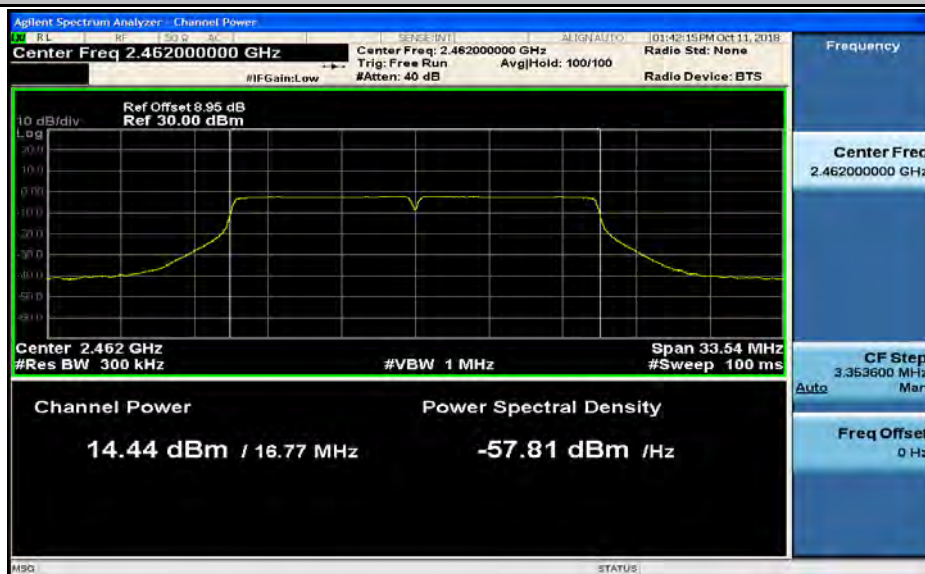
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1

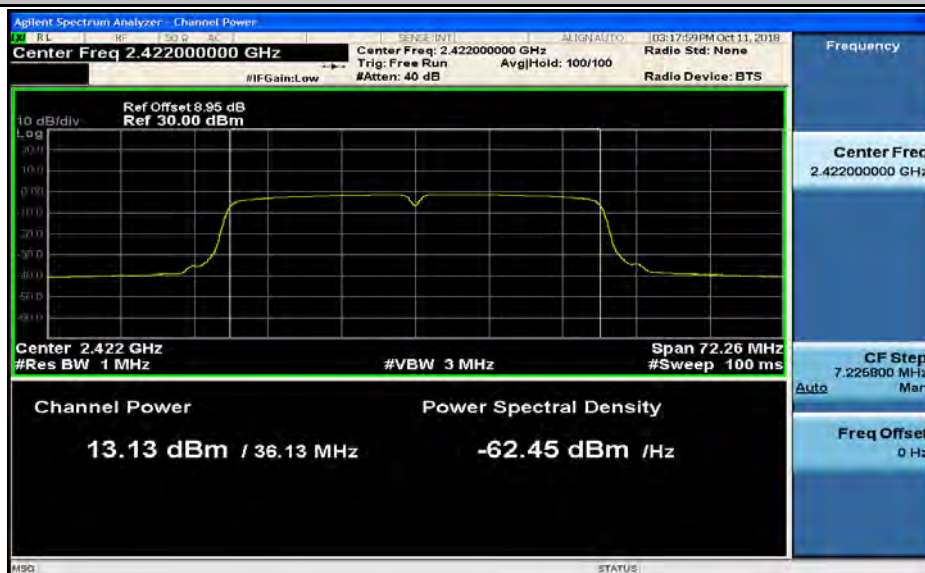


Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1

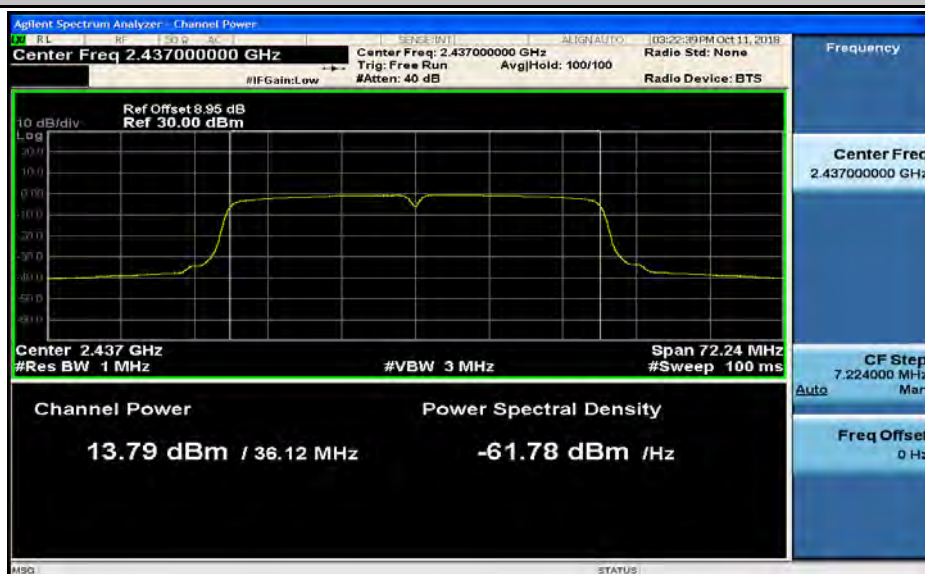




Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



Maximum conducted (average) output power\_11N40SISO\_2437\_Ant1



Maximum conducted (average) output power\_11N40SISO\_2452\_Ant1





**4.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	-18.89	0.00	-18.89	8.00	PASS
11B	2437	Ant1	-18.50	0.00	-18.50	8.00	PASS
11B	2462	Ant1	-18.25	0.00	-18.25	8.00	PASS
11G	2412	Ant1	-20.88	0.00	-20.88	8.00	PASS
11G	2437	Ant1	-20.42	0.00	-20.42	8.00	PASS
11G	2462	Ant1	-20.10	0.00	-20.10	8.00	PASS
11N20SISO	2412	Ant1	-20.93	0.00	-20.93	8.00	PASS
11N20SISO	2437	Ant1	-20.47	0.00	-20.47	8.00	PASS
11N20SISO	2462	Ant1	-20.19	0.00	-20.19	8.00	PASS
11N40SISO	2422	Ant1	-24.60	0.00	-24.60	8.00	PASS
11N40SISO	2437	Ant1	-23.94	0.00	-23.94	8.00	PASS
11N40SISO	2452	Ant1	-23.74	0.00	-23.74	8.00	PASS

Maximum(average) power spectral density\_11B\_2412\_Ant1



Maximum(average) power spectral density\_11B\_2437\_Ant1

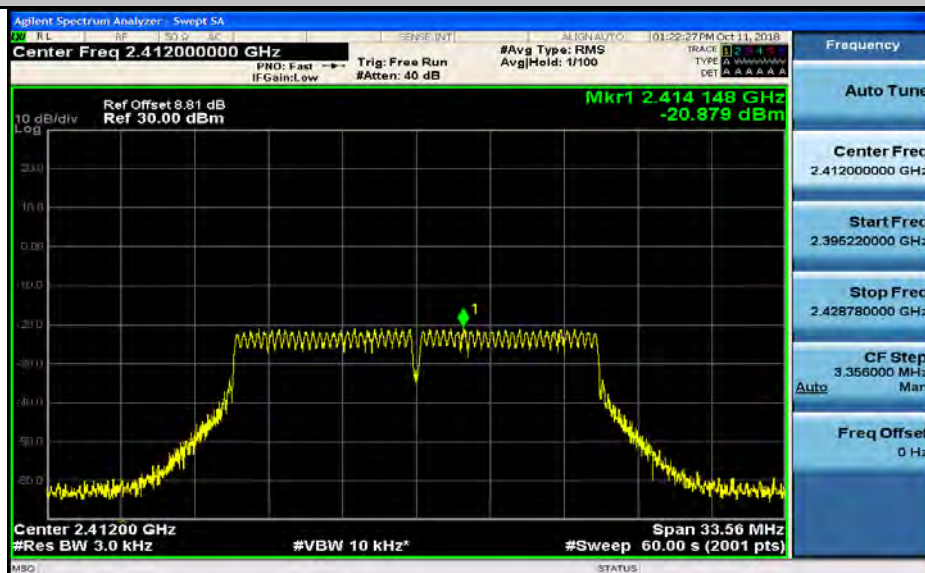


Maximum(average) power spectral density\_11B\_2462\_Ant1

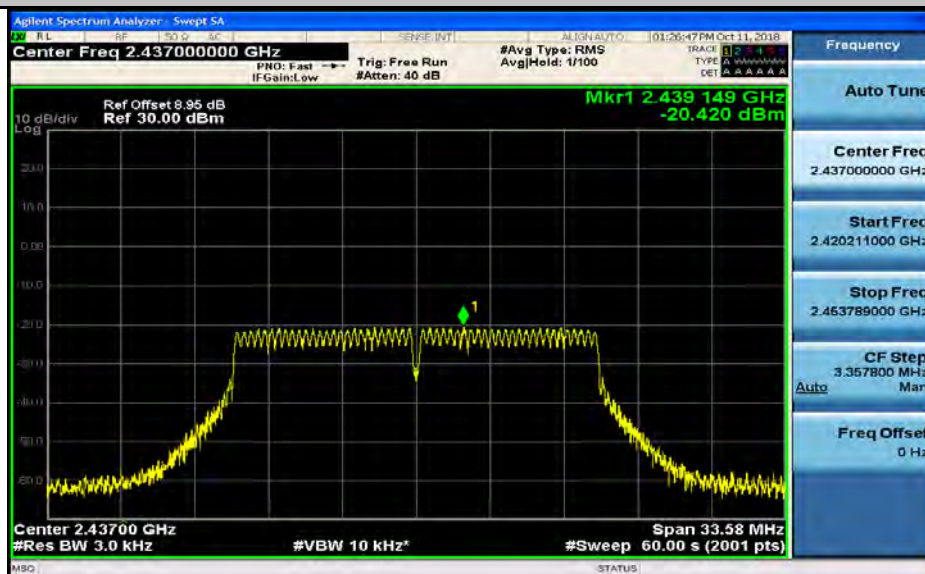




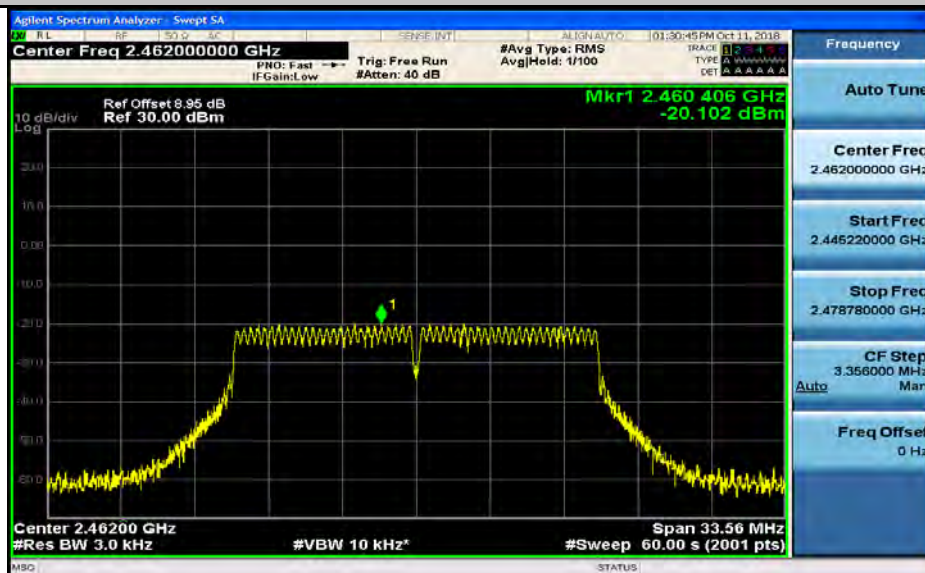
Maximum(average) power spectral density\_11G\_2412\_Ant1



Maximum(average) power spectral density\_11G\_2437\_Ant1



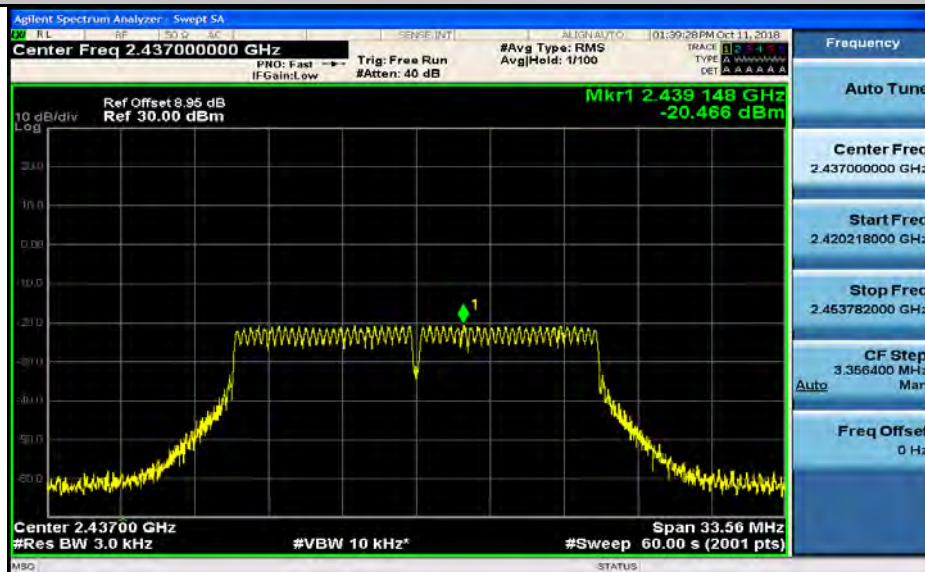
Maximum(average) power spectral density\_11G\_2462\_Ant1



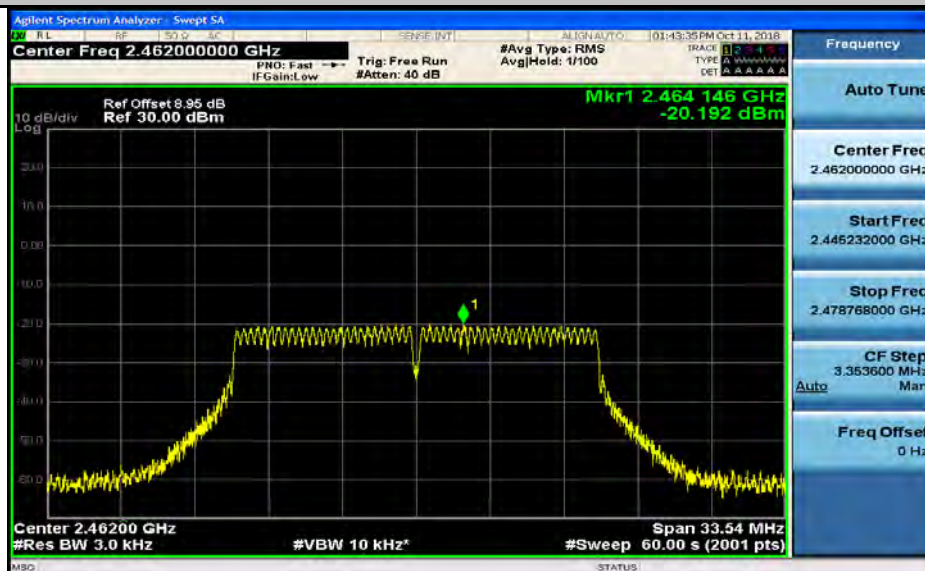
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1

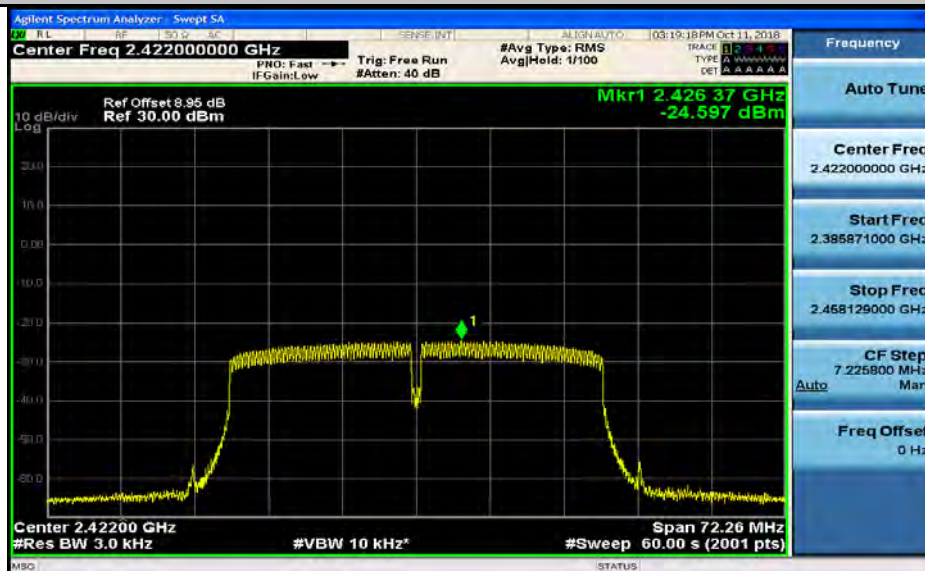


Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1

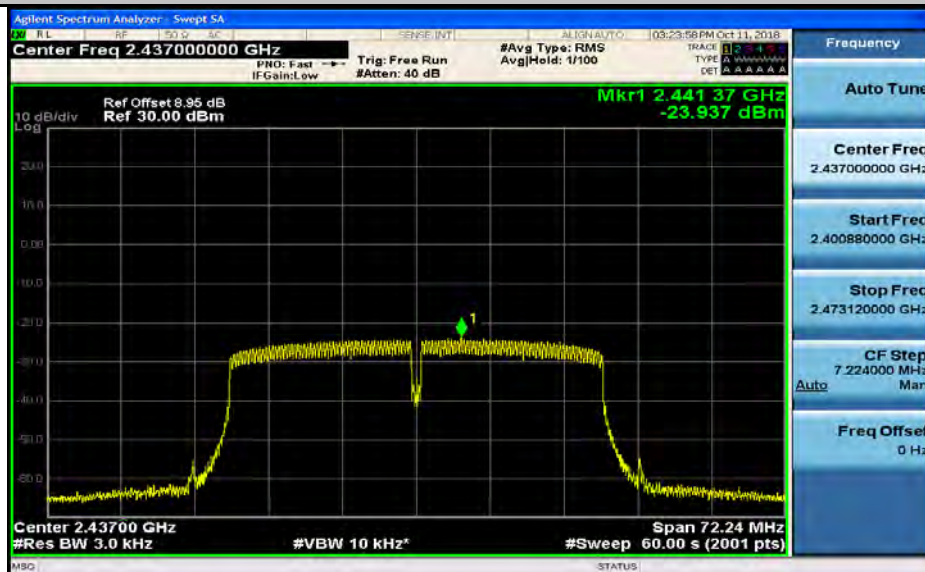




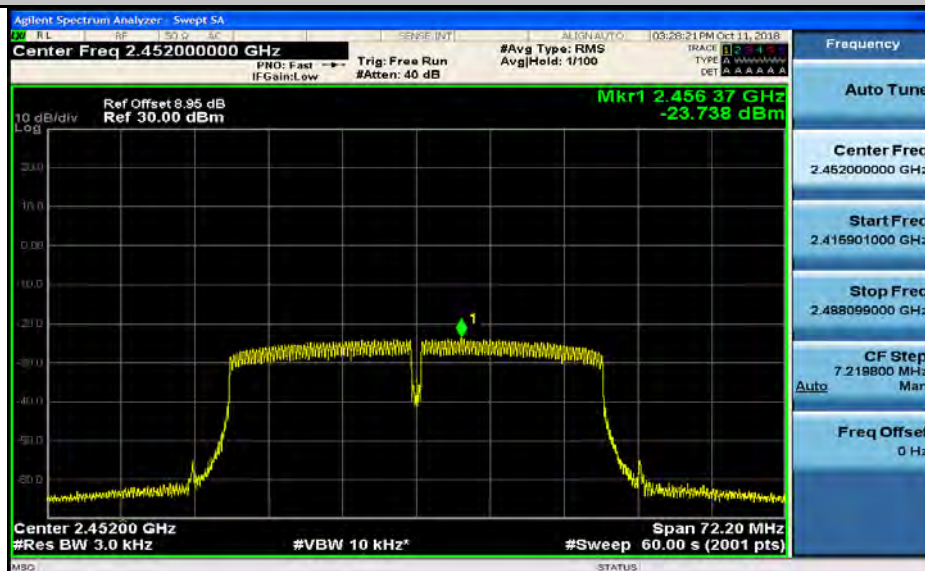
Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



Maximum(average) power spectral density\_11N40SISO\_2437\_Ant1



Maximum(average) power spectral density\_11N40SISO\_2452\_Ant1







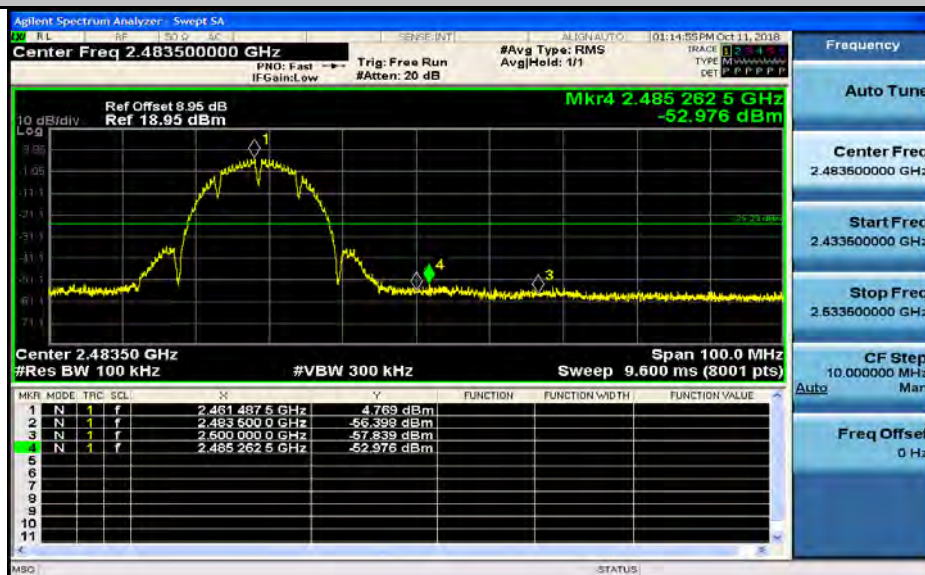
**5.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	4.09	-36.37	-25.91	PASS
11B	2462	Ant1	4.77	-52.98	-25.23	PASS
11G	2412	Ant1	-0.60	-35.32	-30.60	PASS
11G	2462	Ant1	0.19	-45.94	-29.81	PASS
11N20SISO	2412	Ant1	-0.86	-35.33	-30.86	PASS
11N20SISO	2462	Ant1	0.24	-46.56	-29.76	PASS
11N40SISO	2422	Ant1	-3.73	-39.23	-33.73	PASS
11N40SISO	2452	Ant1	-3.00	-41.84	-33.00	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





Band-edge for RF Conducted Emissions\_11N40SISO\_2422\_Ant1



Band-edge for RF Conducted Emissions\_11N40SISO\_2452\_Ant1



## 6.RF Conducted Spurious Emissions

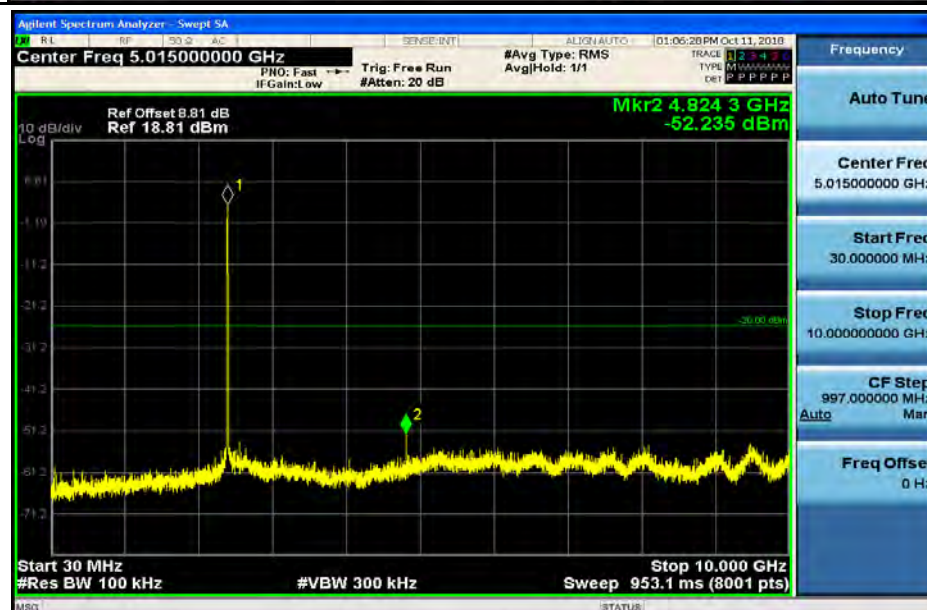
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	4.01	-52.24	<- 26.00	PASS
11B	2412	Ant1	10000	26000	100	300	4.005	-43.744	<- 25.995	PASS
11B	2437	Ant1	30	10000	100	300	4.41	-53.28	<- 25.59	PASS
11B	2437	Ant1	10000	26000	100	300	4.412	-43.860	<- 25.588	PASS
11B	2462	Ant1	30	10000	100	300	4.70	-53.51	<- 25.30	PASS
11B	2462	Ant1	10000	26000	100	300	4.701	-44.202	<- 25.299	PASS
11G	2412	Ant1	30	10000	100	300	-0.70	-54.06	<- 30.70	PASS
11G	2412	Ant1	10000	26000	100	300	-0.697	-43.908	<- 30.697	PASS
11G	2437	Ant1	30	10000	100	300	-0.14	-53.38	<- 30.14	PASS
11G	2437	Ant1	10000	26000	100	300	-0.138	-44.878	<- 30.138	PASS
11G	2462	Ant1	30	10000	100	300	0.21	-54.44	<- 29.79	PASS
11G	2462	Ant1	10000	26000	100	300	0.213	-44.500	<- 29.787	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-0.68	-53.70	<- 30.68	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-0.676	-44.008	<- 30.676	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-0.20	-52.96	<- 30.20	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-0.201	-42.519	<- 30.201	PASS
11N20SISO	2462	Ant1	30	10000	100	300	0.14	-53.84	<- 29.86	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	0.138	-43.865	<- 29.862	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-4.12	-53.26	<- 34.12	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-4.123	-44.325	<- 34.123	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-3.16	-53.89	<- 33.16	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-3.158	-42.136	<- 33.158	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-2.91	-54.05	<- 32.91	PASS



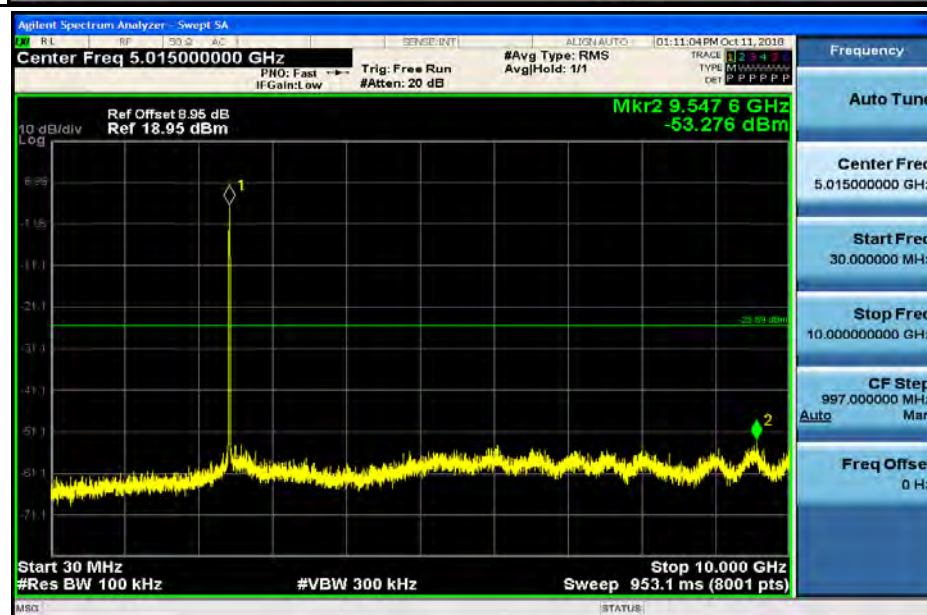
11N40SISO	2452	Ant1	10000	26000	100	300	-2.914	-44.767	<- 32.914	PASS
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RF Conducted Spurious Emissions\_11B\_2412

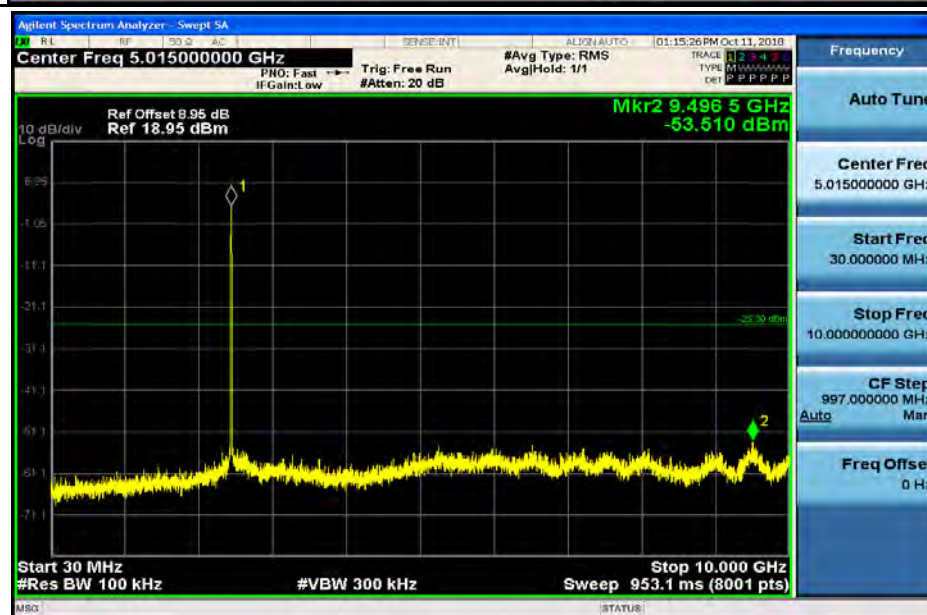


RF Conducted Spurious Emissions\_11B\_2437



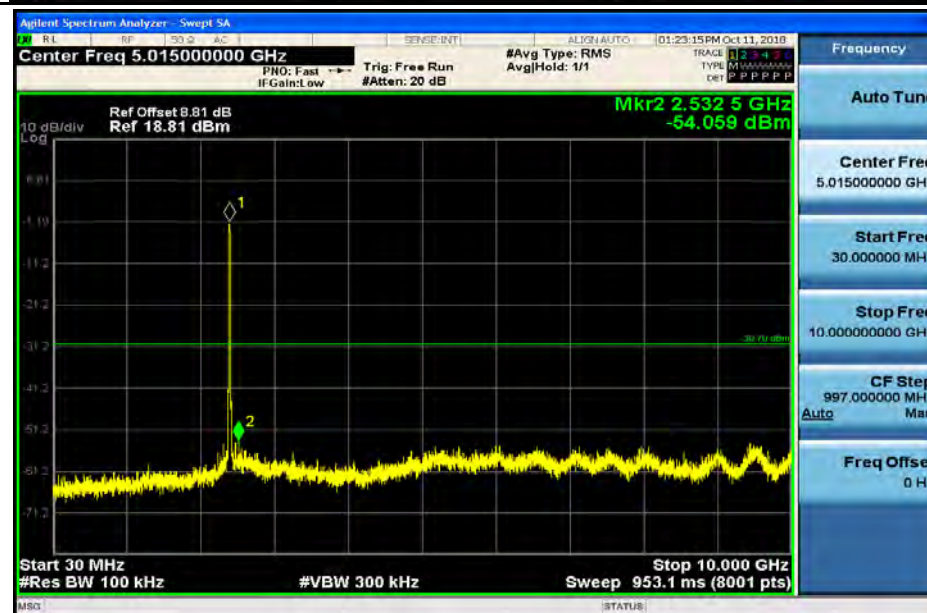


RF Conducted Spurious Emissions\_11B\_2462

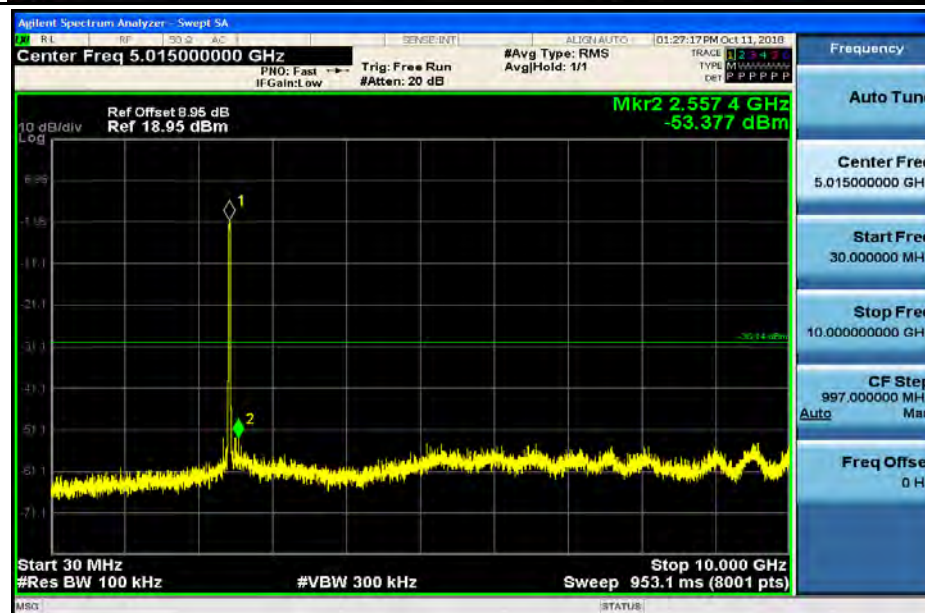




RF Conducted Spurious Emissions\_11G\_2412

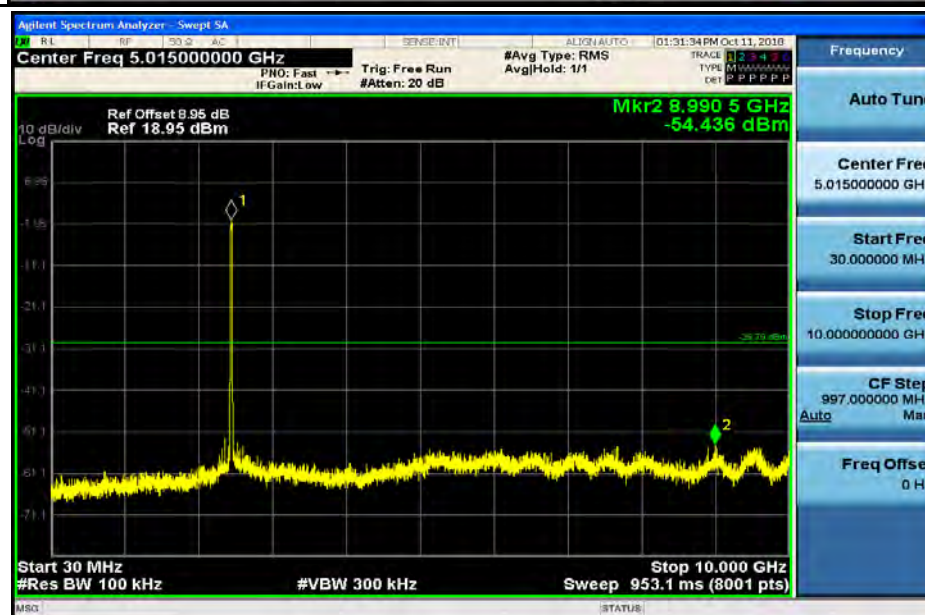


RF Conducted Spurious Emissions\_11G\_2437



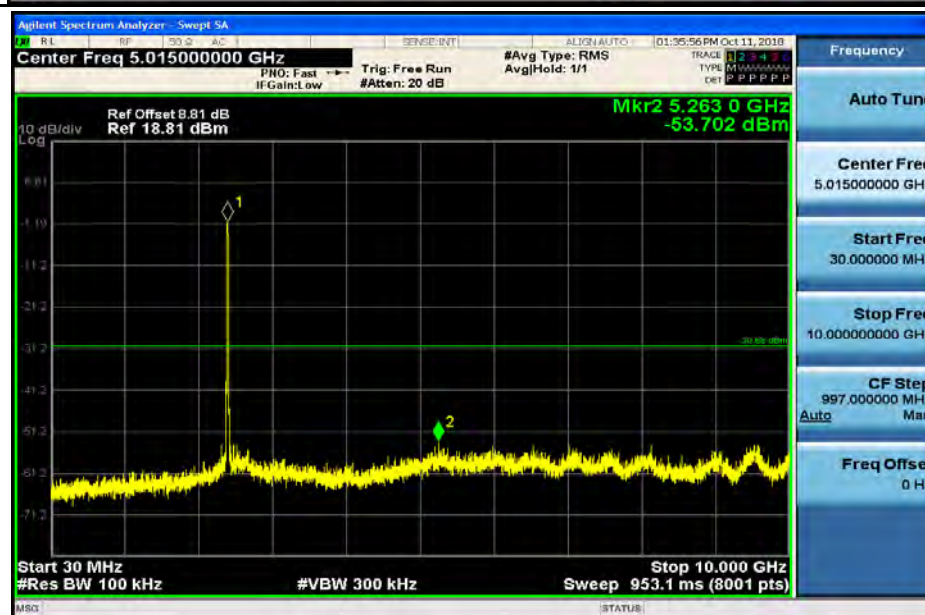


RF Conducted Spurious Emissions\_11G\_2462

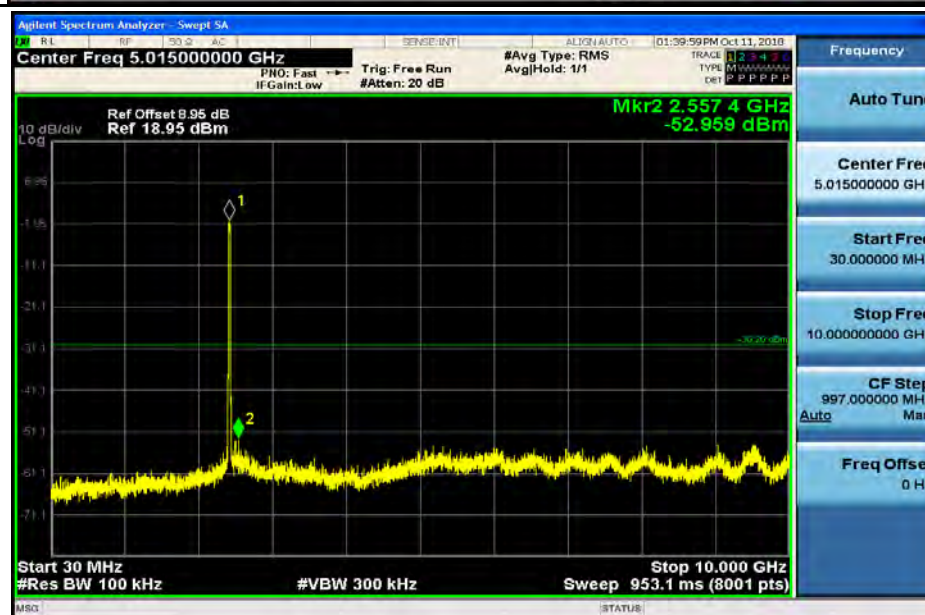
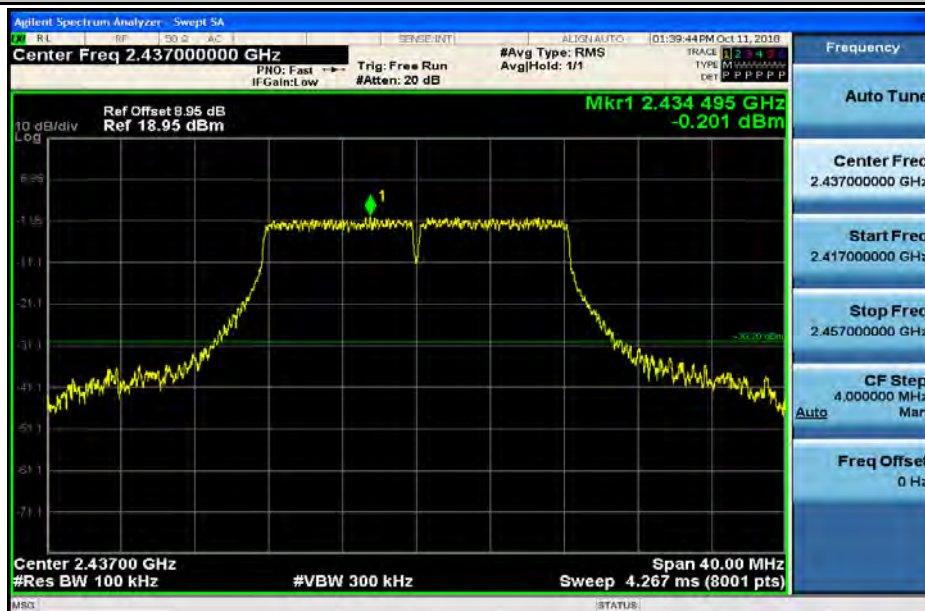




RF Conducted Spurious Emissions\_11N20SISO\_2412

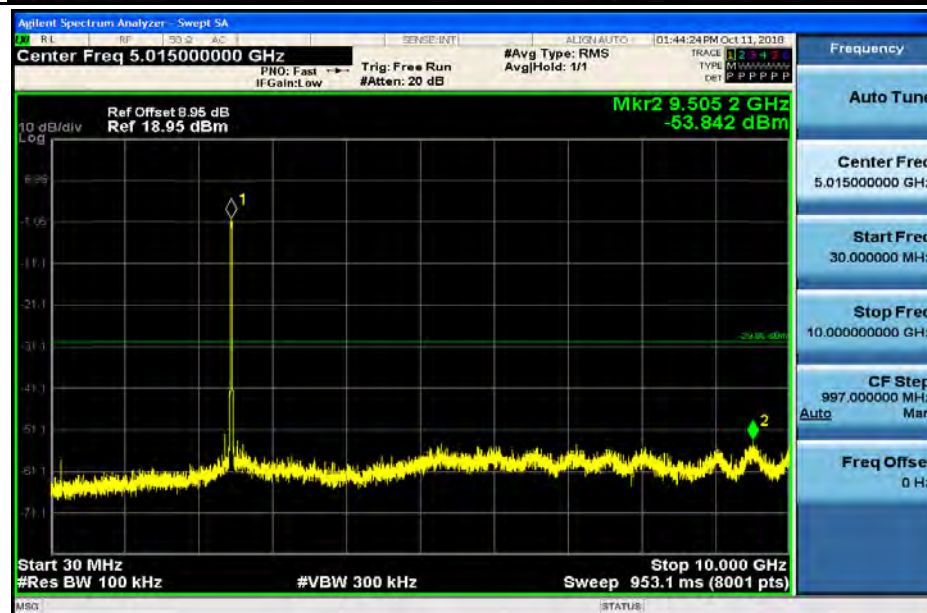


RF Conducted Spurious Emissions\_11N20SISO\_2437



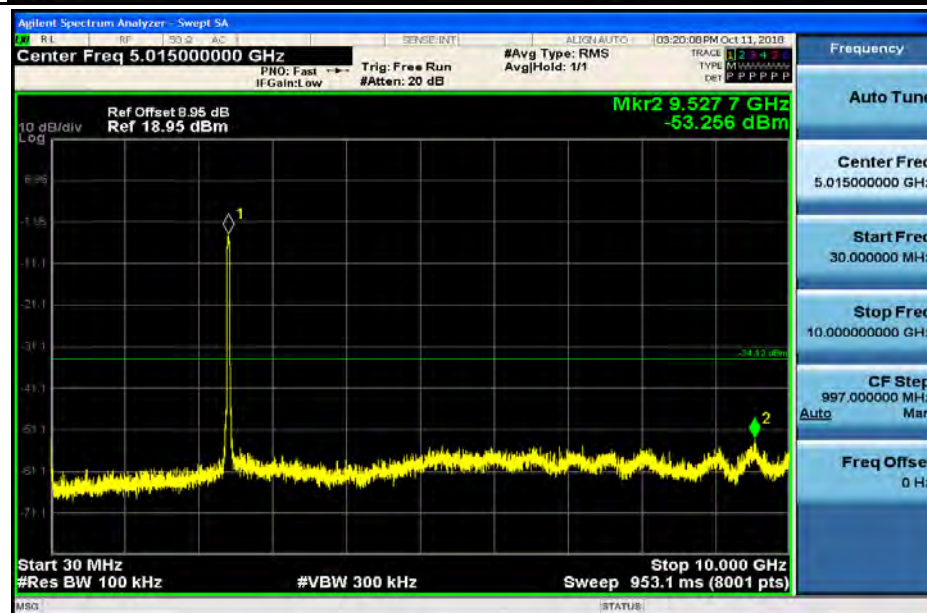


RF Conducted Spurious Emissions\_11N20SISO\_2462

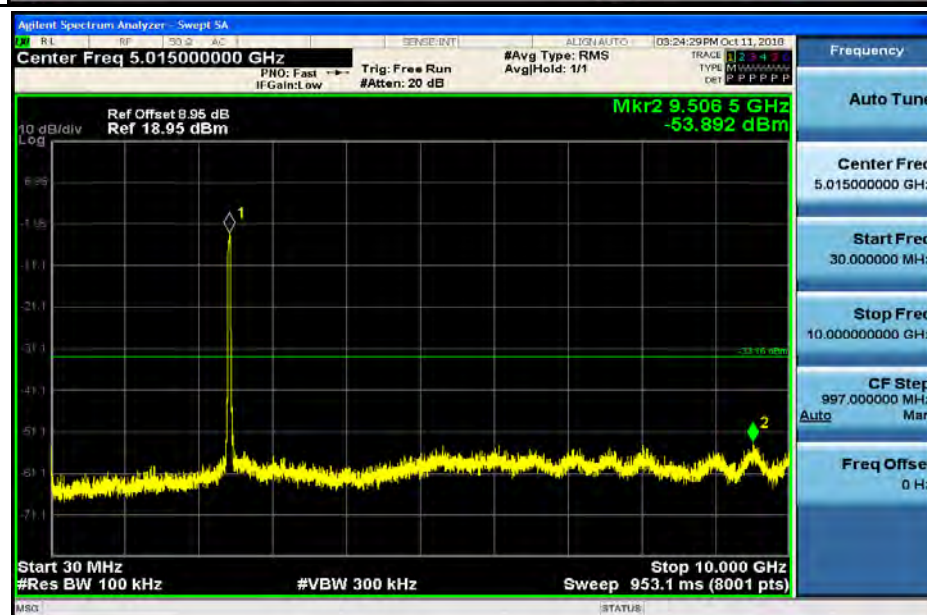




RF Conducted Spurious Emissions\_11N40SISO\_2422

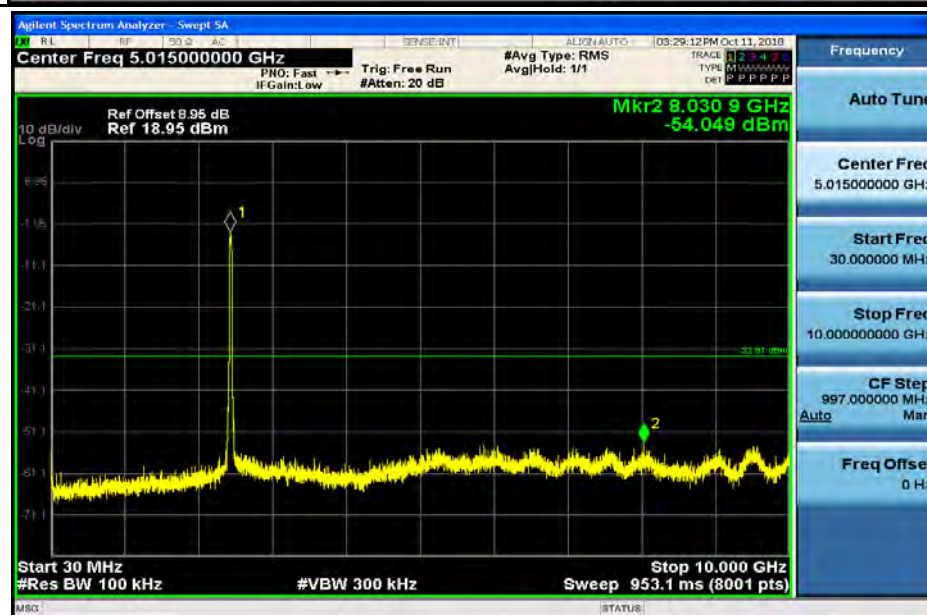


RF Conducted Spurious Emissions\_11N40SISO\_2437





RF Conducted Spurious Emissions\_11N40SISO\_2452







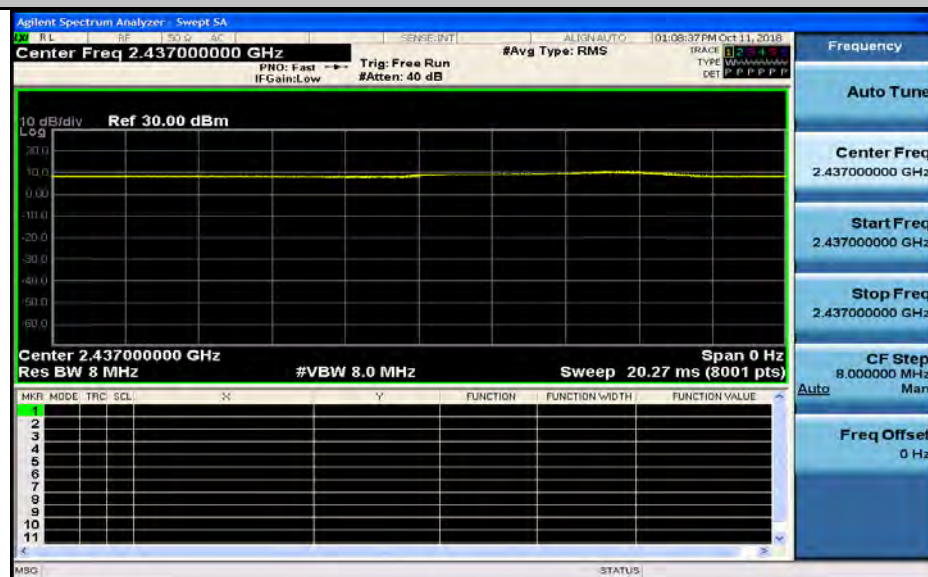
**7.Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	100.00	0.00
11B	2437	Ant1	100.00	0.00
11B	2462	Ant1	100.00	0.00
11G	2412	Ant1	100.00	0.00
11G	2437	Ant1	100.00	0.00
11G	2462	Ant1	100.00	0.00
11N20SISO	2412	Ant1	100.00	0.00
11N20SISO	2437	Ant1	100.00	0.00
11N20SISO	2462	Ant1	100.00	0.00
11N40SISO	2422	Ant1	100.00	0.00
11N40SISO	2437	Ant1	100.00	0.00
11N40SISO	2452	Ant1	100.00	0.00

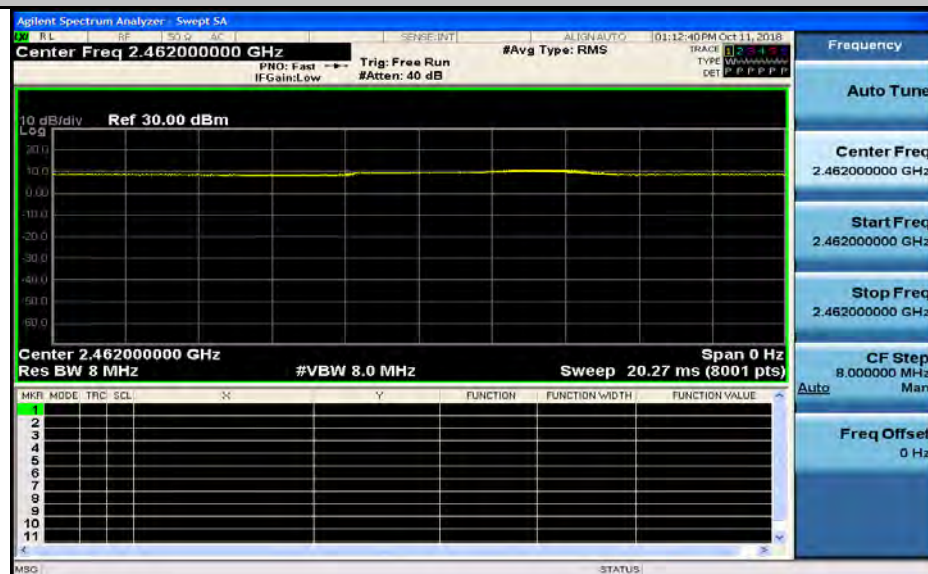
Duty Cycle\_11B\_2412\_Ant1



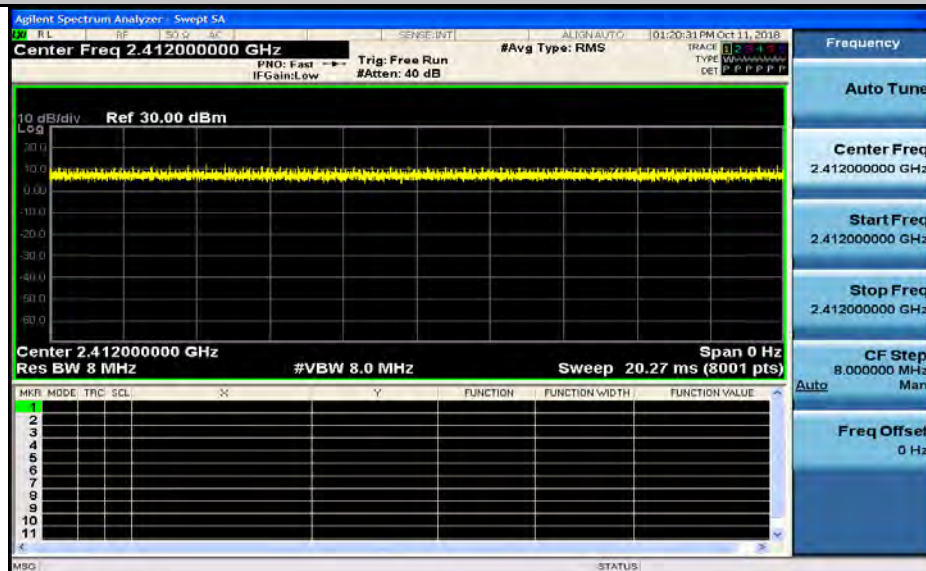
Duty Cycle\_11B\_2437\_Ant1



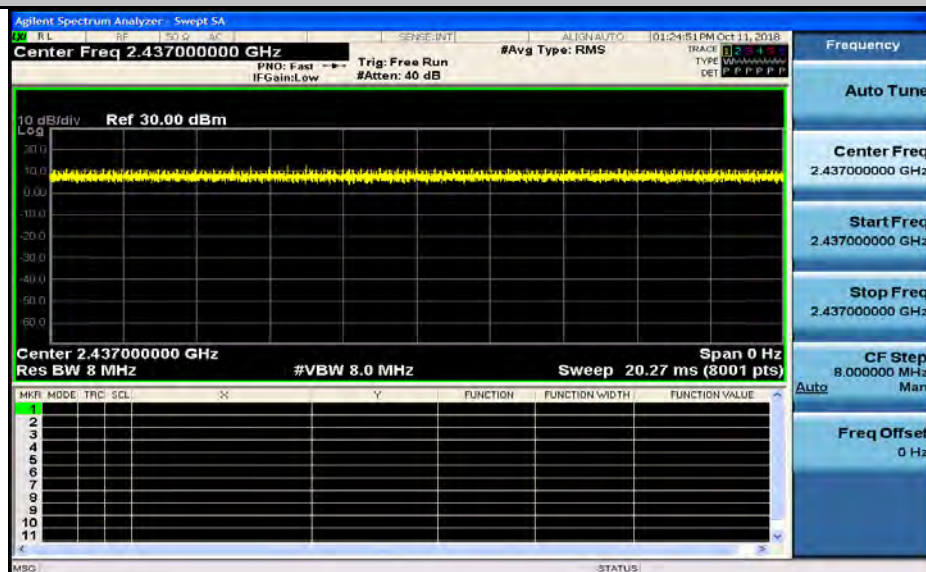
Duty Cycle\_11B\_2462\_Ant1



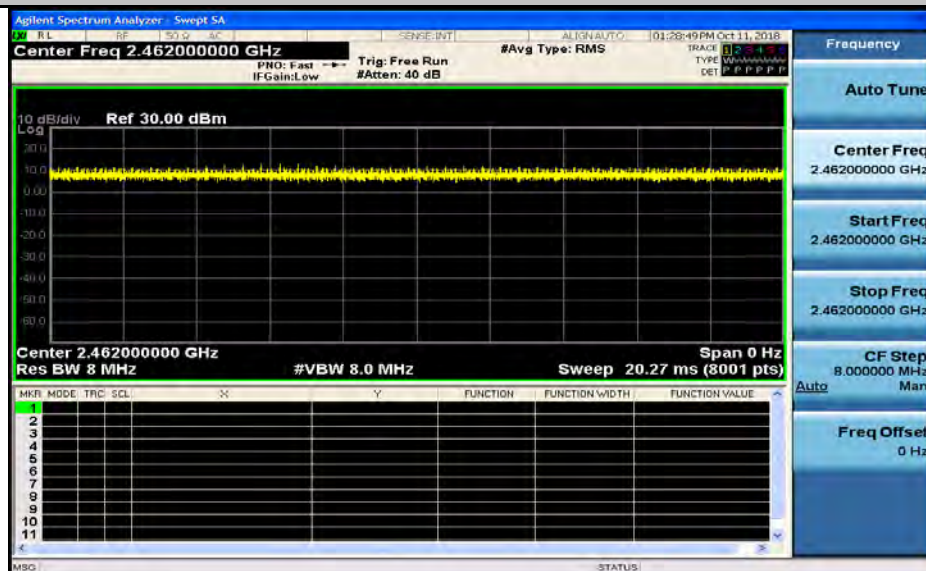
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Duty Cycle\_11G\_2437\_Ant1

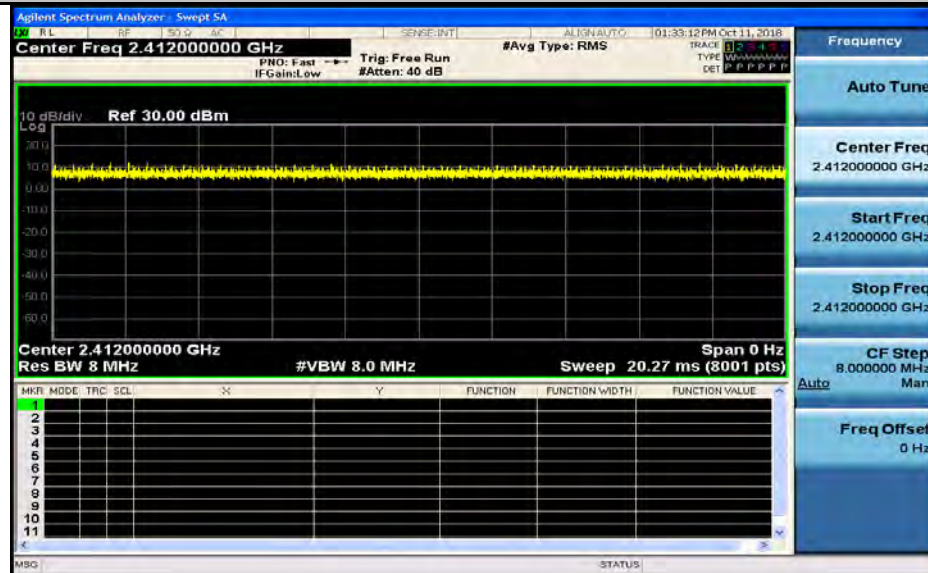


Duty Cycle\_11G\_2462\_Ant1

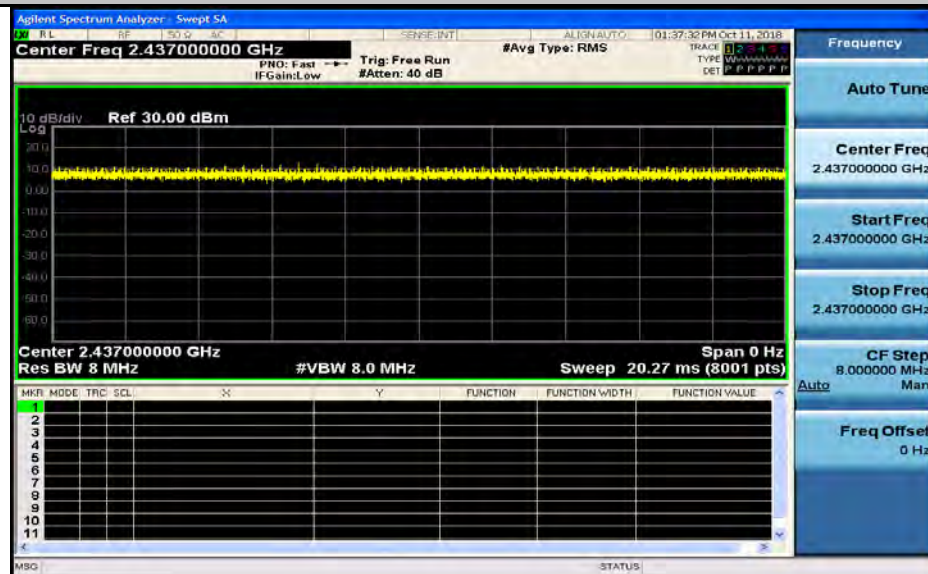




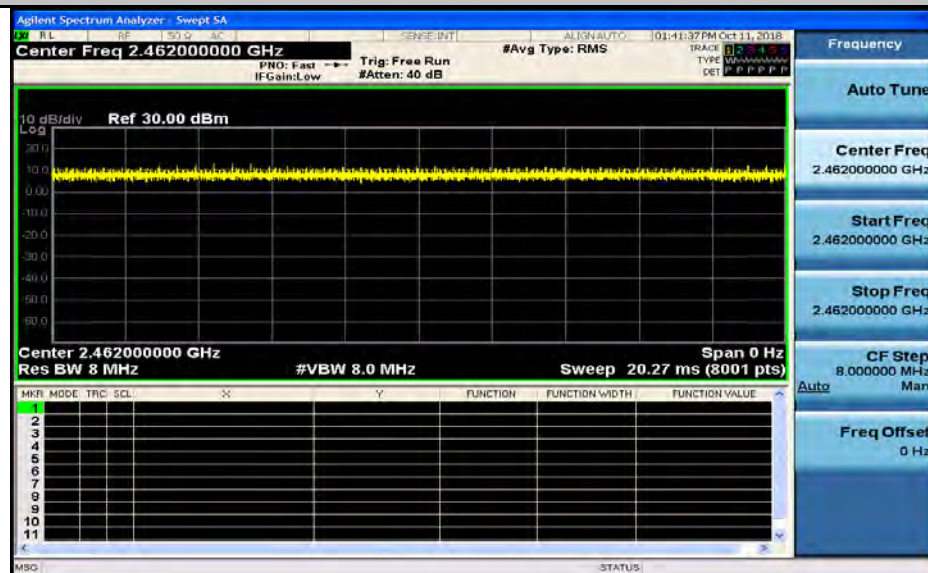
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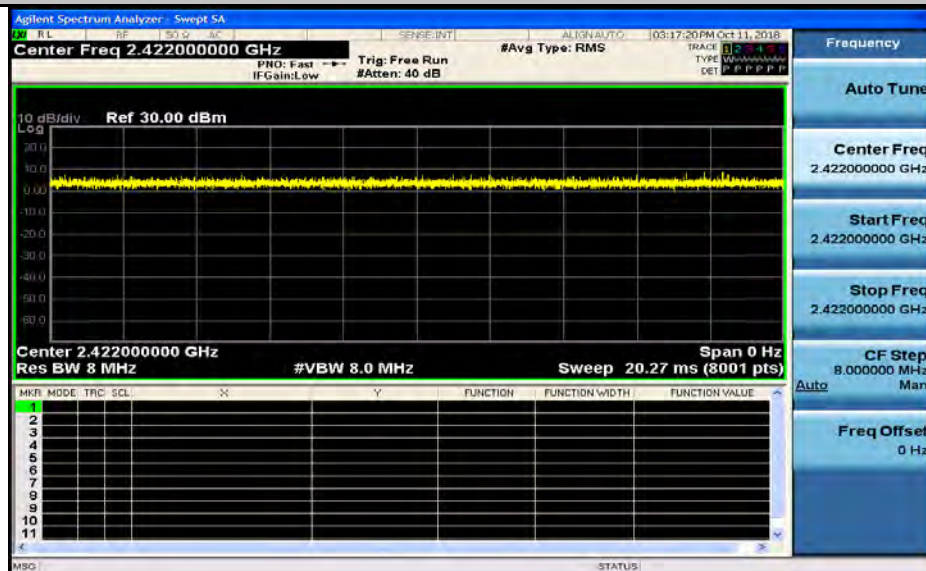
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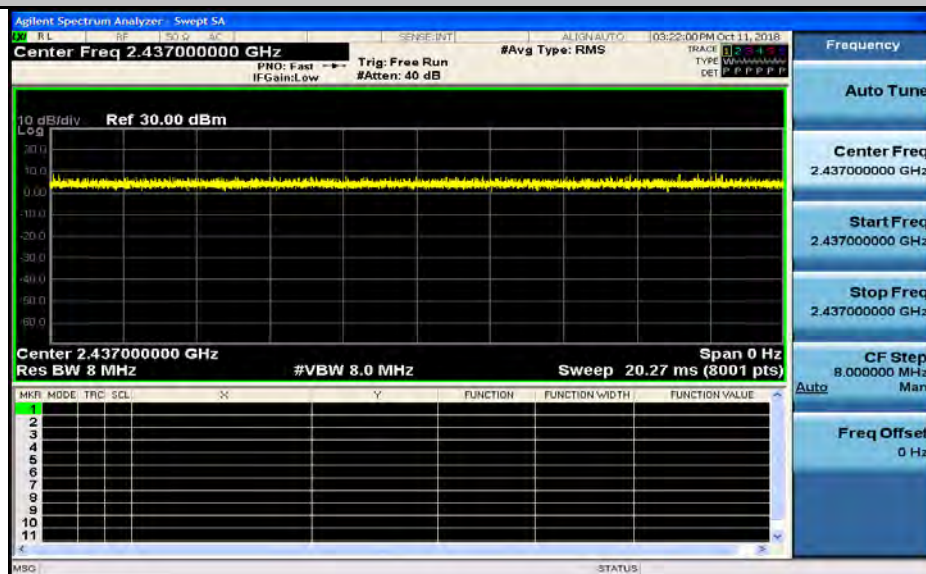
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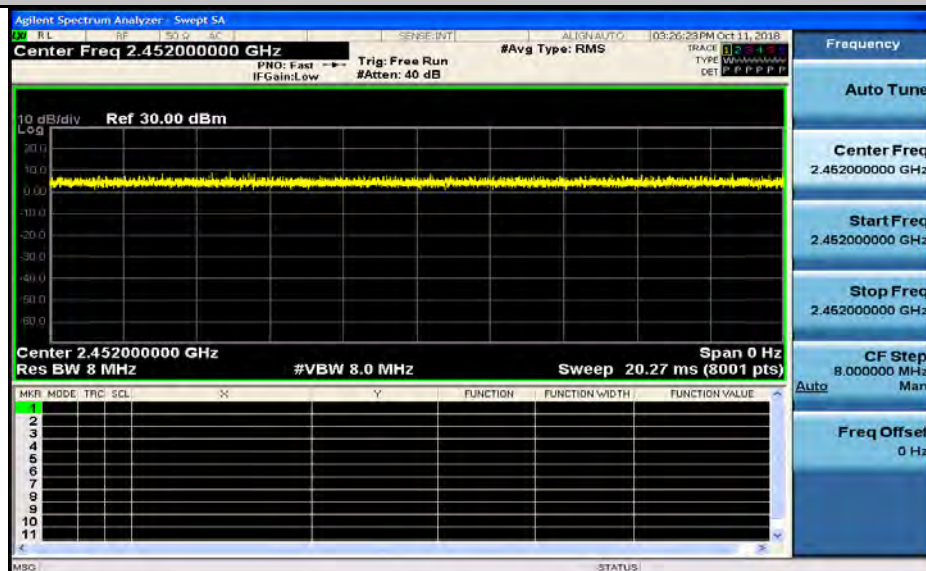
Duty Cycle\_11N40SISO\_2422\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2452\_Ant1





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