



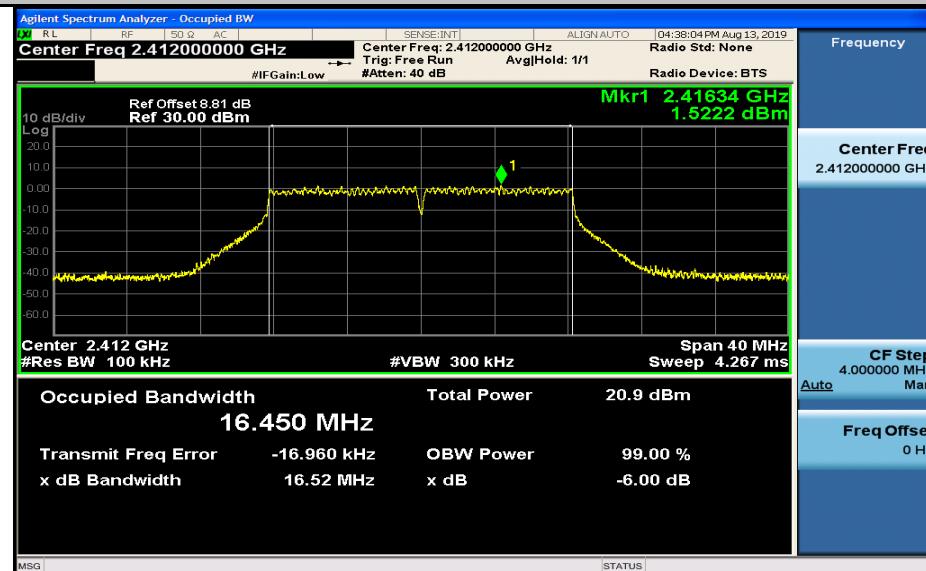
Appendix A for SHEM190701551001

**1.6dB Bandwidth**

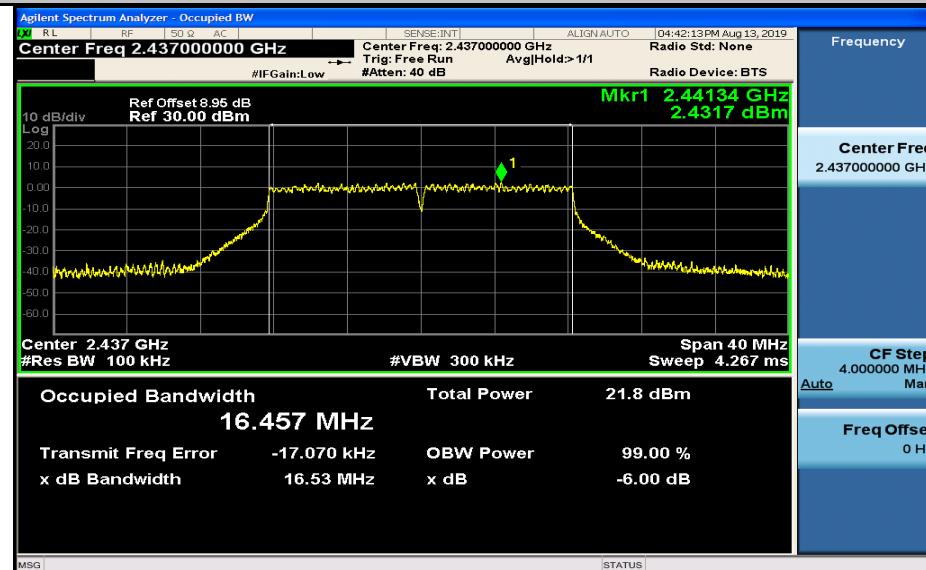
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.06	0.5	PASS
11B	2437	Ant1	10.07	0.5	PASS
11B	2462	Ant1	10.05	0.5	PASS
11G	2412	Ant1	16.52	0.5	PASS
11G	2437	Ant1	16.53	0.5	PASS
11G	2462	Ant1	16.53	0.5	PASS
11N20SISO	2412	Ant1	16.53	0.5	PASS
11N20SISO	2437	Ant1	16.53	0.5	PASS
11N20SISO	2462	Ant1	16.53	0.5	PASS
11N40SISO	2422	Ant1	36.42	0.5	PASS
11N40SISO	2437	Ant1	36.41	0.5	PASS
11N40SISO	2452	Ant1	36.43	0.5	PASS



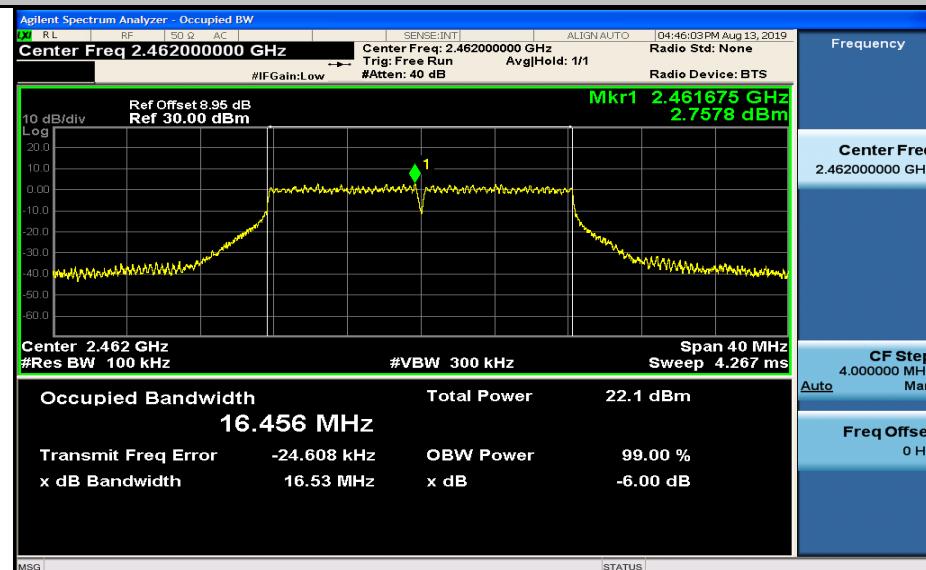
## 6dB Bandwidth\_11G\_2412\_Ant1



## 6dB Bandwidth\_11G\_2437\_Ant1



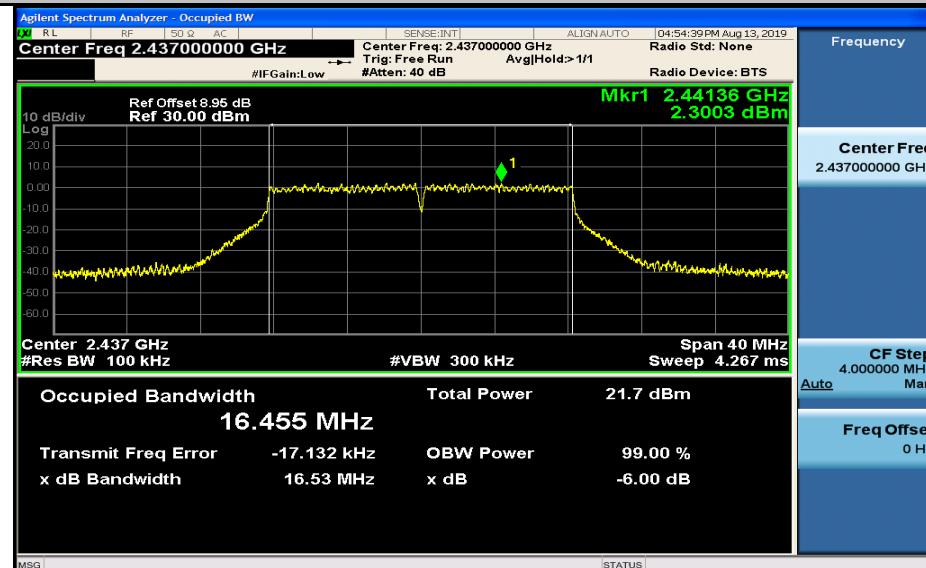
## 6dB Bandwidth\_11G\_2462\_Ant1



## 6dB Bandwidth\_11N20SISO\_2412\_Ant1



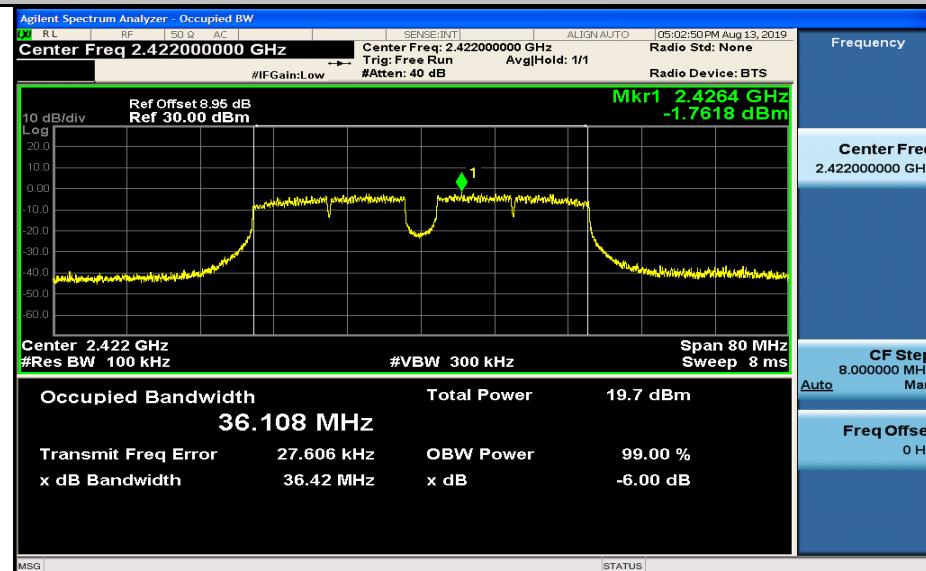
## 6dB Bandwidth\_11N20SISO\_2437\_Ant1



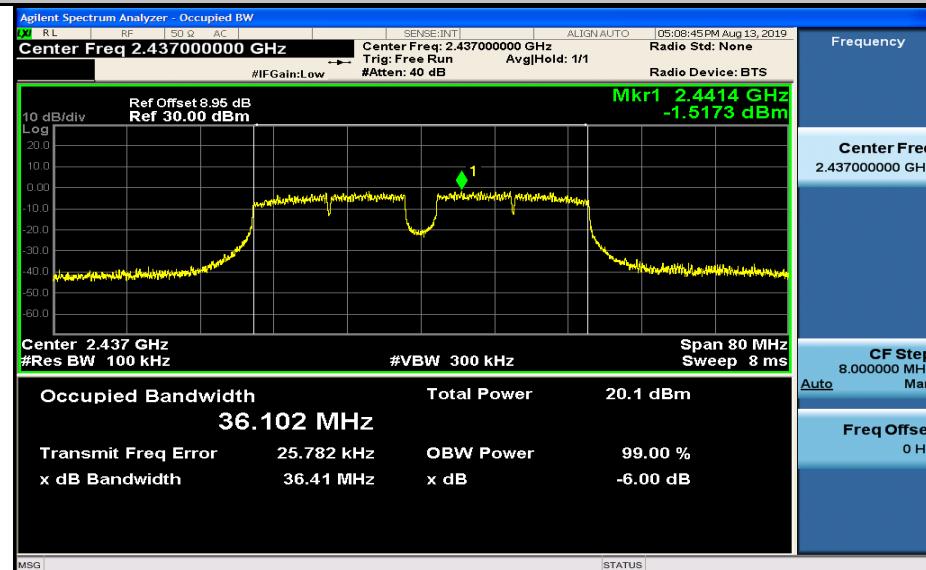
## 6dB Bandwidth\_11N20SISO\_2462\_Ant1



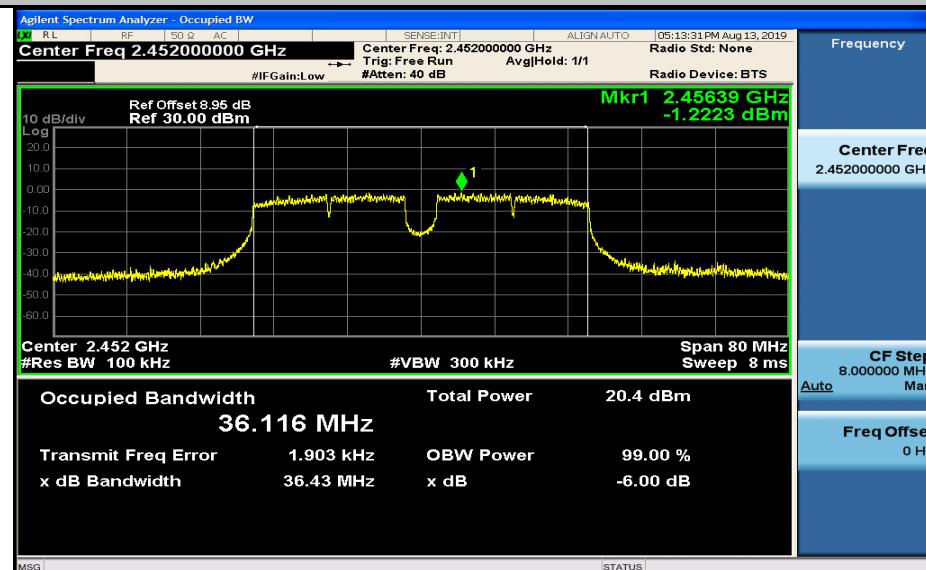
## 6dB Bandwidth\_11N40SISO\_2422\_Ant1



## 6dB Bandwidth\_11N40SISO\_2437\_Ant1



## 6dB Bandwidth\_11N40SISO\_2452\_Ant1

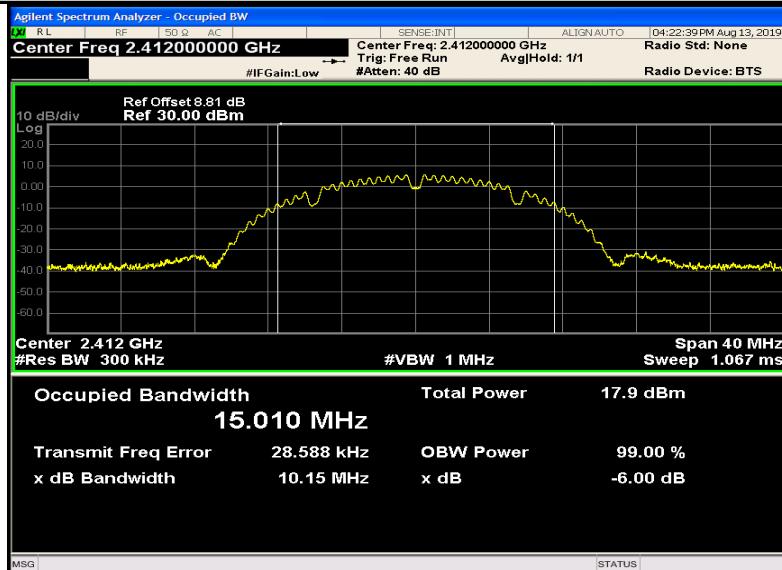




**2.Occupied Bandwidth**

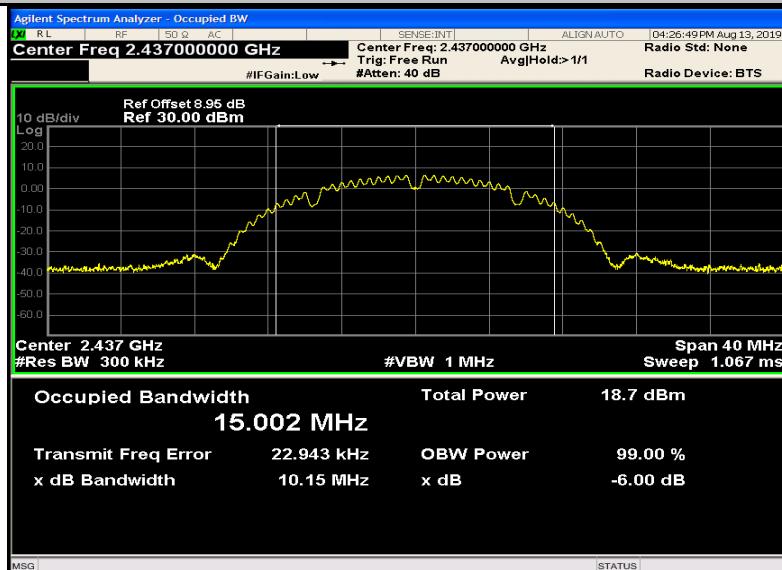
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	15.01	---	PASS
11B	2437	Ant1	15.00	---	PASS
11B	2462	Ant1	15.01	---	PASS
11G	2412	Ant1	16.67	---	PASS
11G	2437	Ant1	16.68	---	PASS
11G	2462	Ant1	16.70	---	PASS
11N20SISO	2412	Ant1	16.67	---	PASS
11N20SISO	2437	Ant1	16.69	---	PASS
11N20SISO	2462	Ant1	16.68	---	PASS
11N40SISO	2422	Ant1	36.43	---	PASS
11N40SISO	2437	Ant1	36.45	---	PASS
11N40SISO	2452	Ant1	36.44	---	PASS

## Occupied Bandwidth\_11B\_2412



Frequency  
Center Freq 2.412000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

## Occupied Bandwidth\_11B\_2437

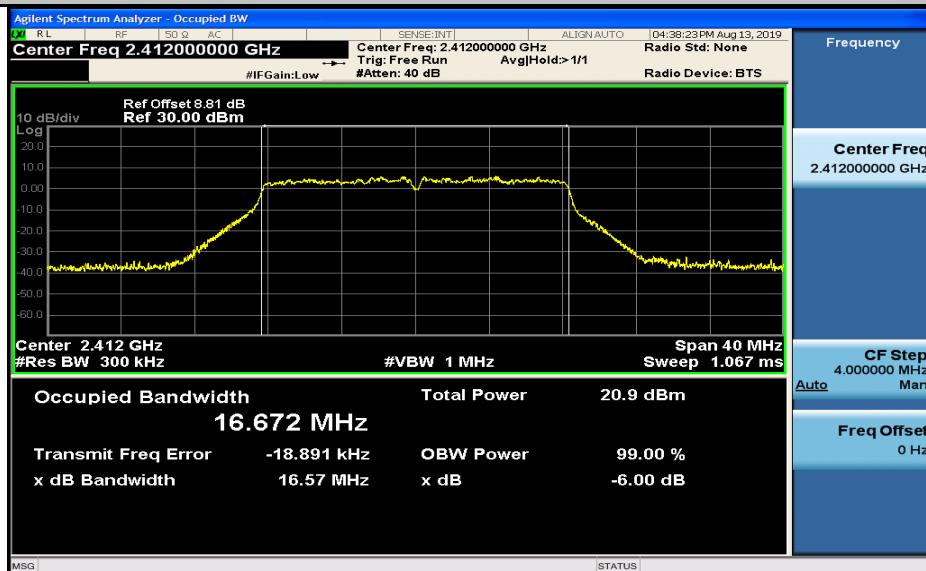
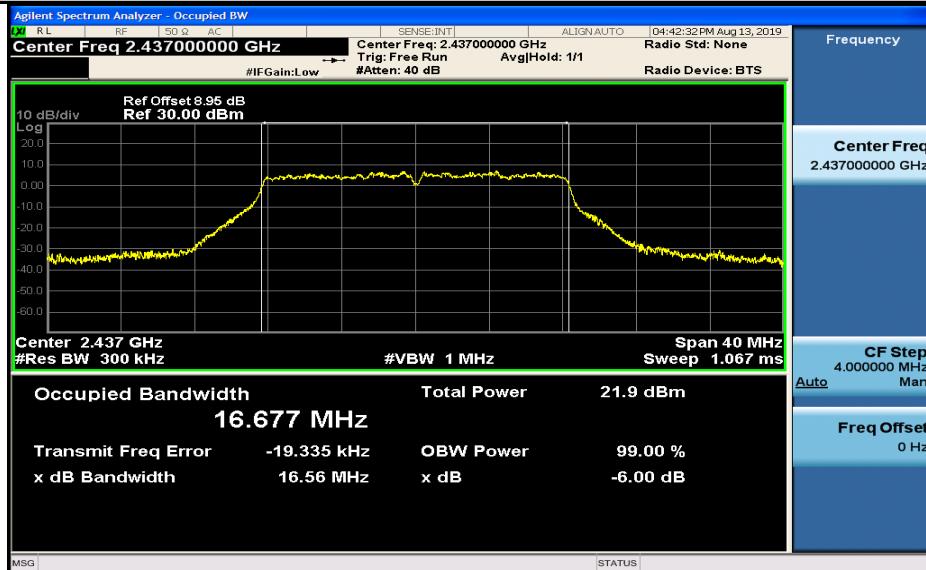
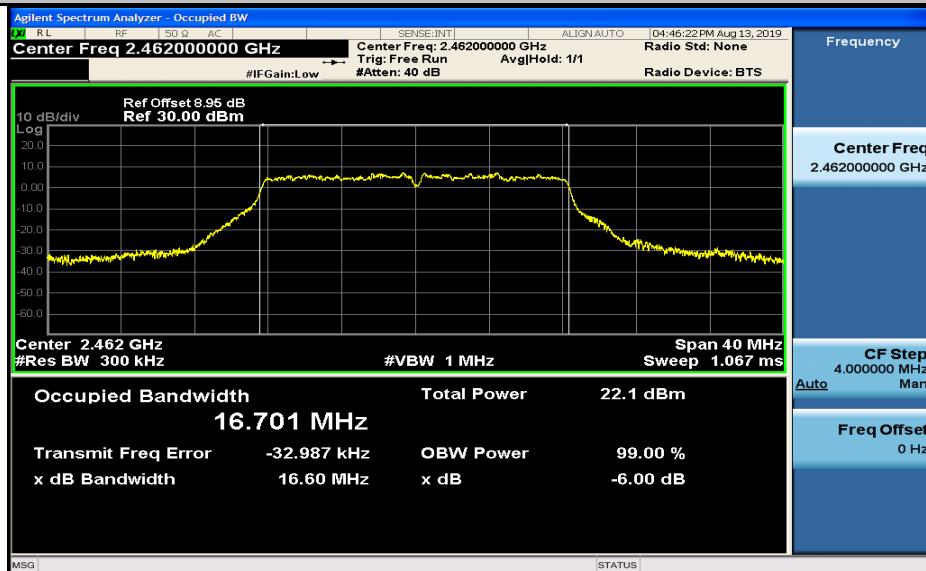


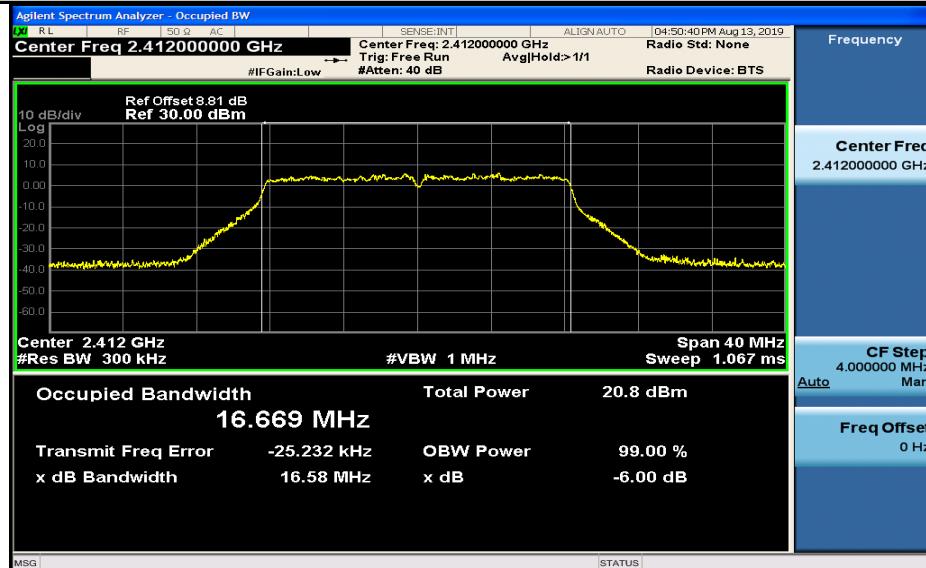
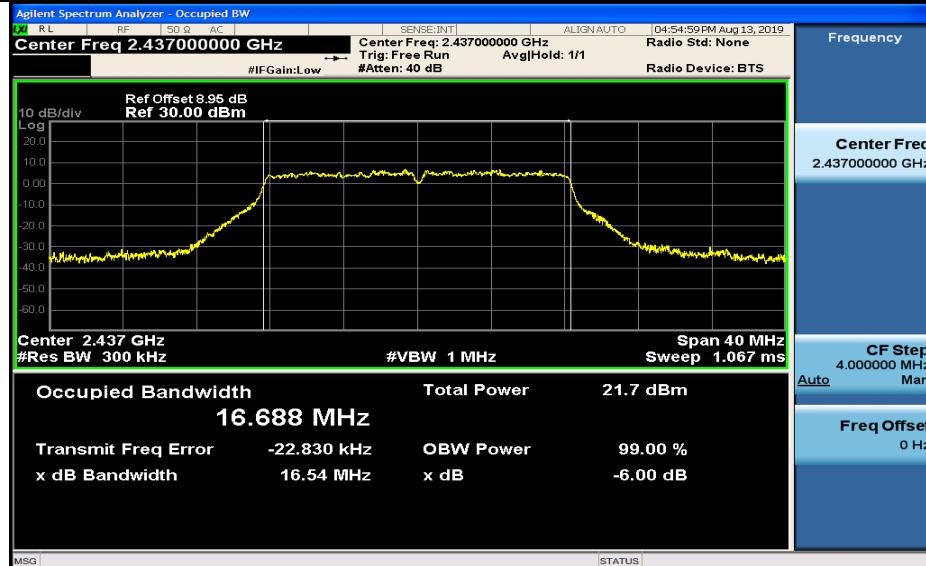
Frequency  
Center Freq 2.437000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

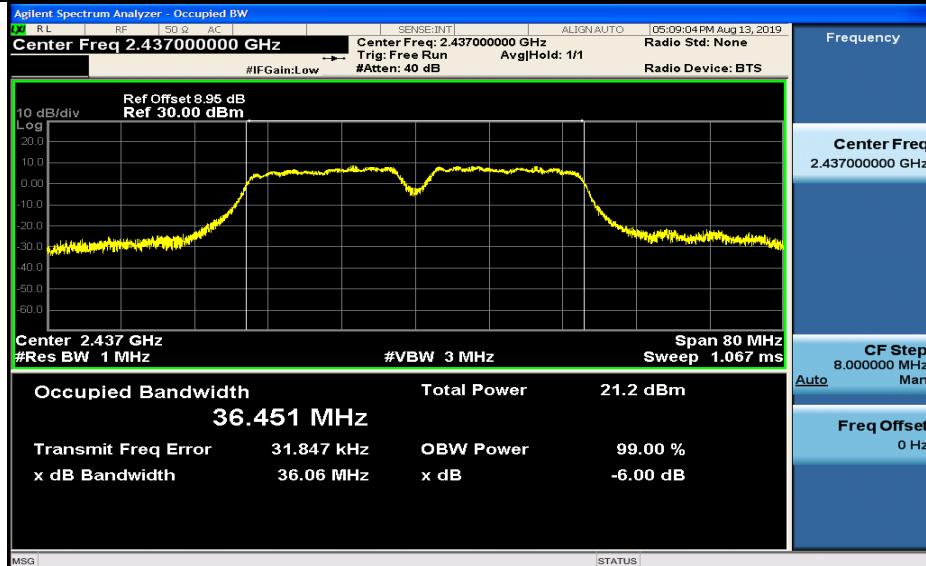
## Occupied Bandwidth\_11B\_2462



Frequency  
Center Freq 2.462000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

**Occupied Bandwidth\_11G\_2412****Occupied Bandwidth\_11G\_2437****Occupied Bandwidth\_11G\_2462**

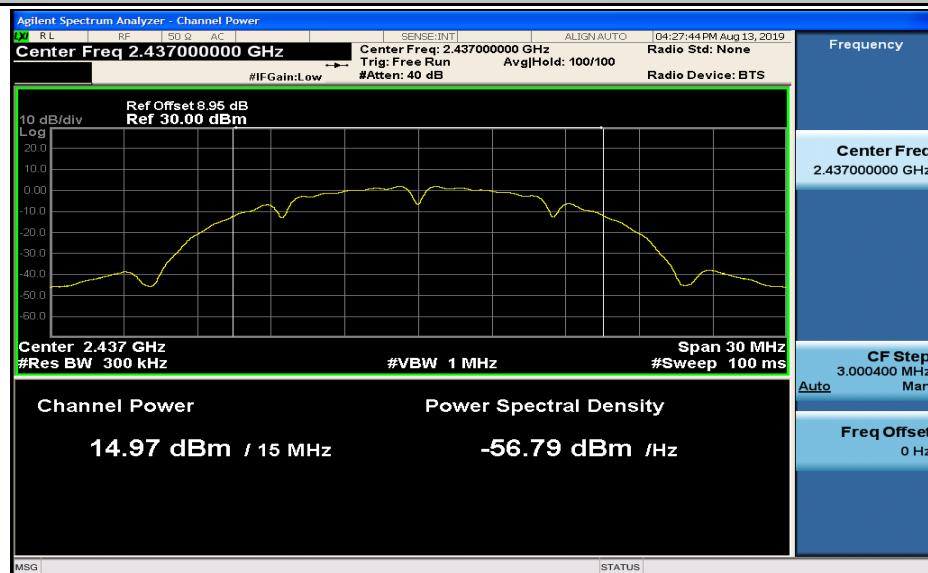
**Occupied Bandwidth\_11N20SISO\_2412****Occupied Bandwidth\_11N20SISO\_2437****Occupied Bandwidth\_11N20SISO\_2462**

**Occupied Bandwidth\_11N40SISO\_2422****Occupied Bandwidth\_11N40SISO\_2437****Occupied Bandwidth\_11N40SISO\_2452**

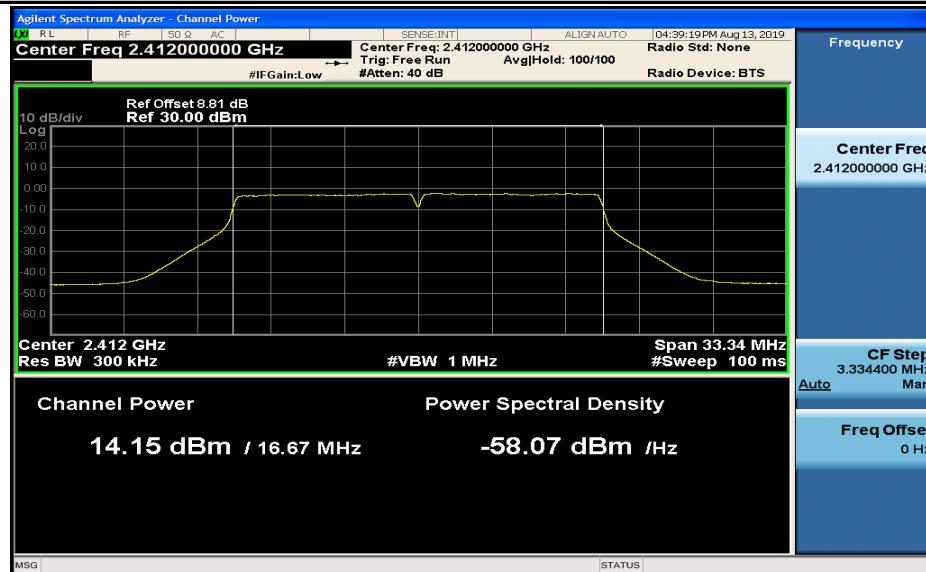


3. Maximum conducted (average) output power

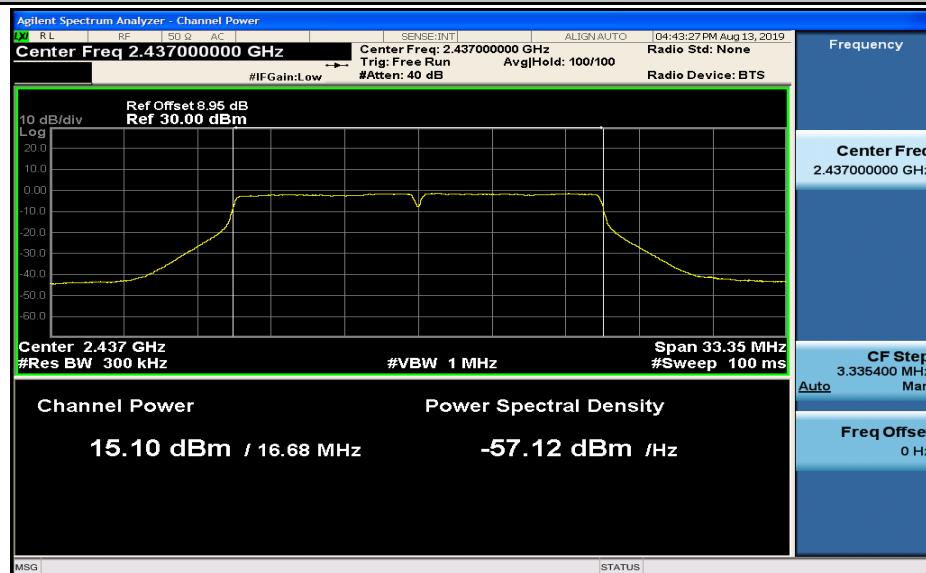
Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	14.14	0.00	14.14	30	PASS
11B	2437	Ant1	14.97	0.00	14.97	30	PASS
11B	2462	Ant1	15.21	0.00	15.21	30	PASS
11G	2412	Ant1	14.15	0.00	14.15	30	PASS
11G	2437	Ant1	15.1	0.00	15.10	30	PASS
11G	2462	Ant1	15.4	0.00	15.40	30	PASS
11N20SISO	2412	Ant1	14.08	0.00	14.08	30	PASS
11N20SISO	2437	Ant1	15.03	0.00	15.03	30	PASS
11N20SISO	2462	Ant1	15.33	0.00	15.33	30	PASS
11N40SISO	2422	Ant1	12.91	0.00	12.91	30	PASS
11N40SISO	2437	Ant1	13.36	0.00	13.36	30	PASS
11N40SISO	2452	Ant1	13.61	0.00	13.61	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**

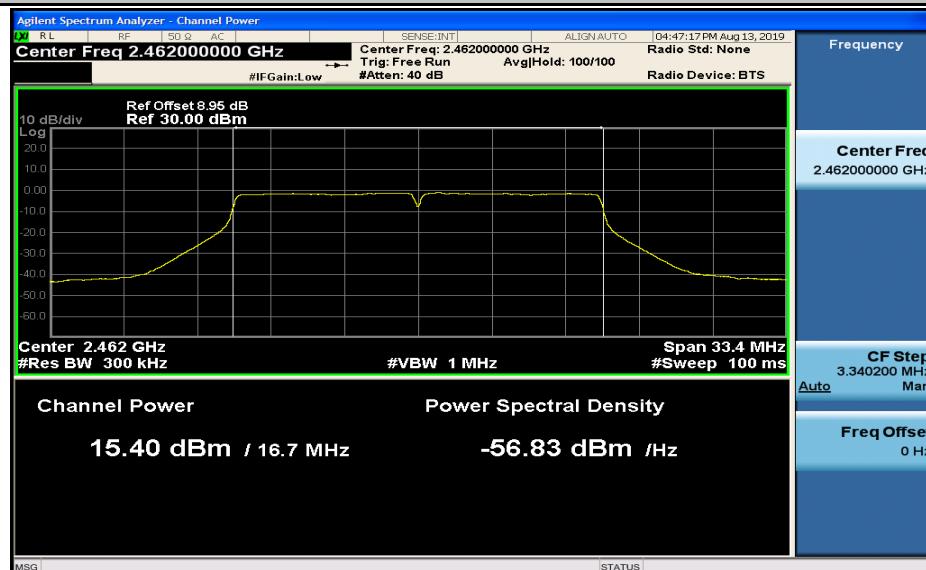
## Maximum conducted (average) output power\_11G\_2412\_Ant1



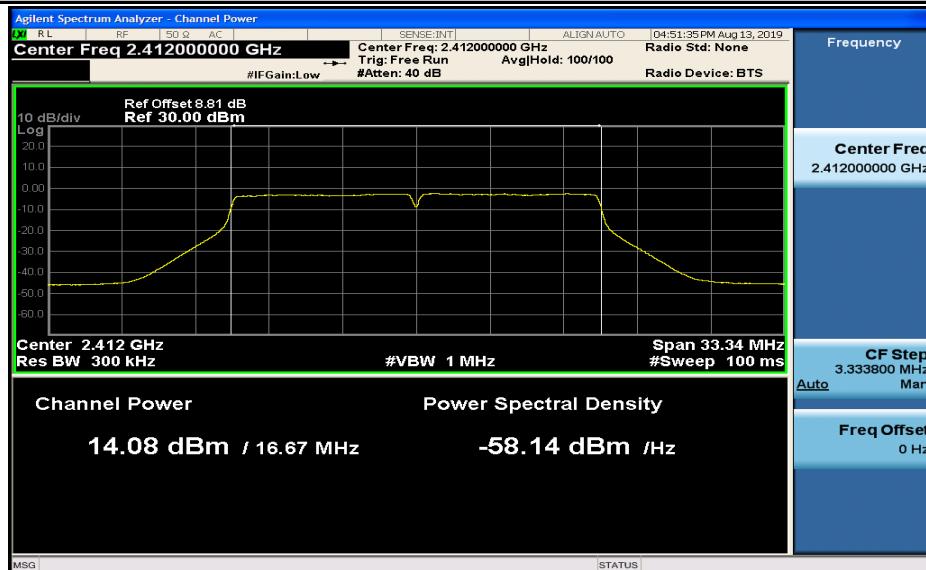
## Maximum conducted (average) output power\_11G\_2437\_Ant1



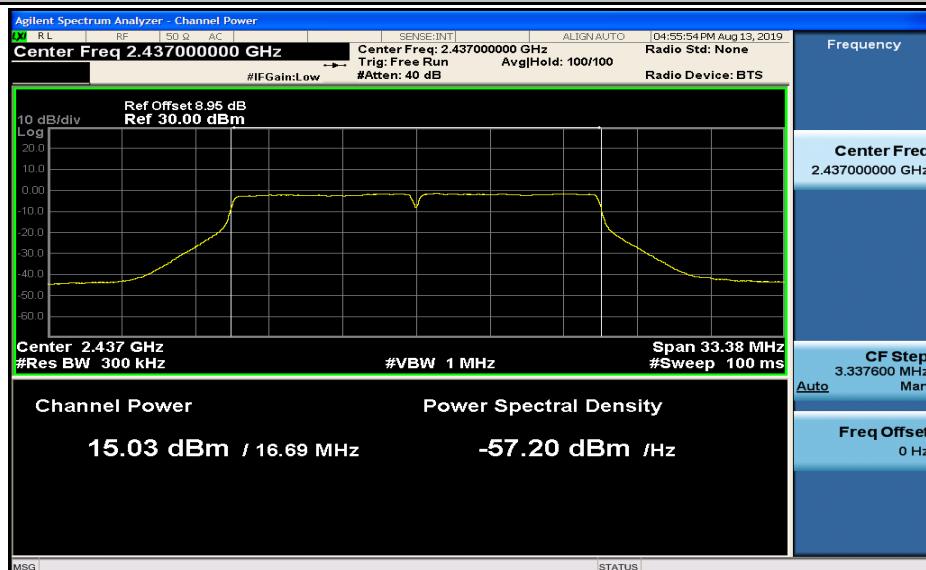
## Maximum conducted (average) output power\_11G\_2462\_Ant1



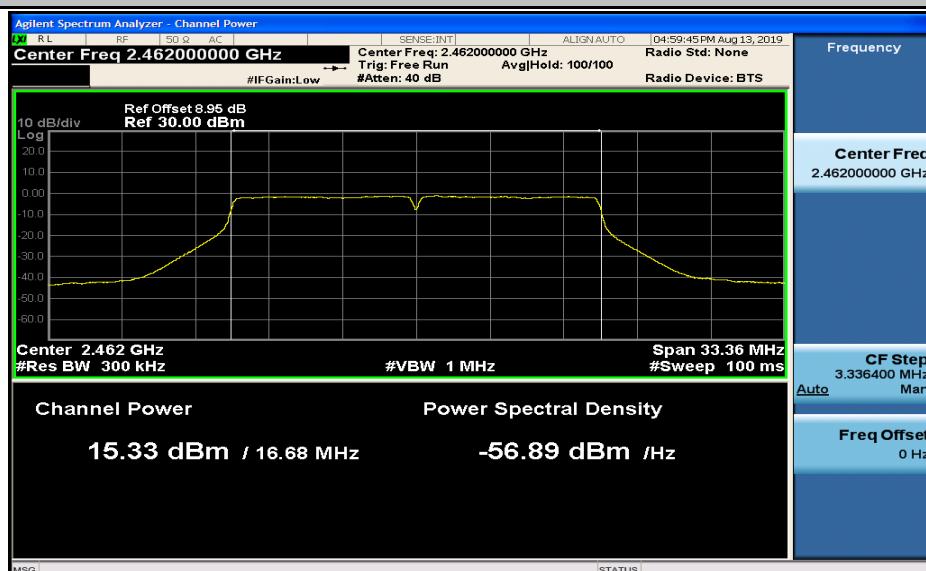
## Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



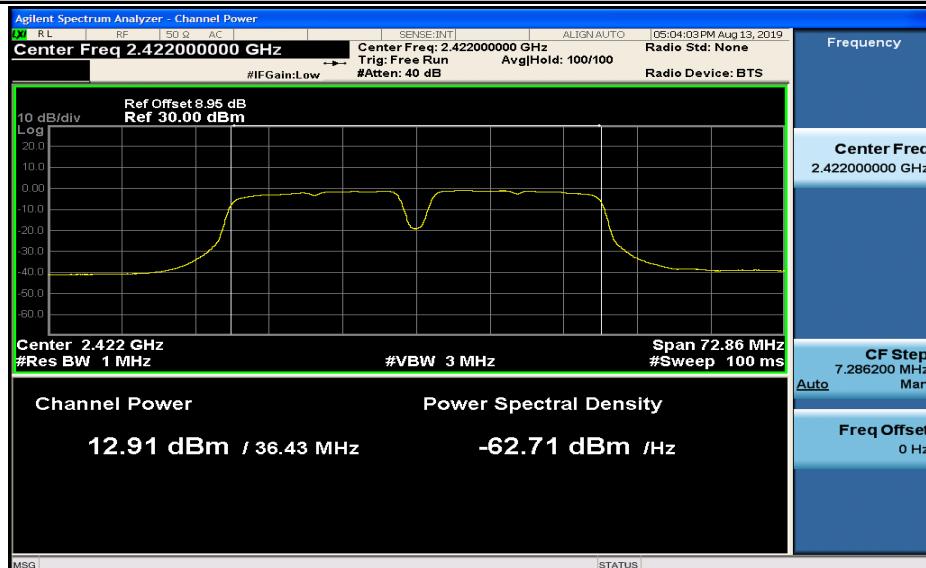
## Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



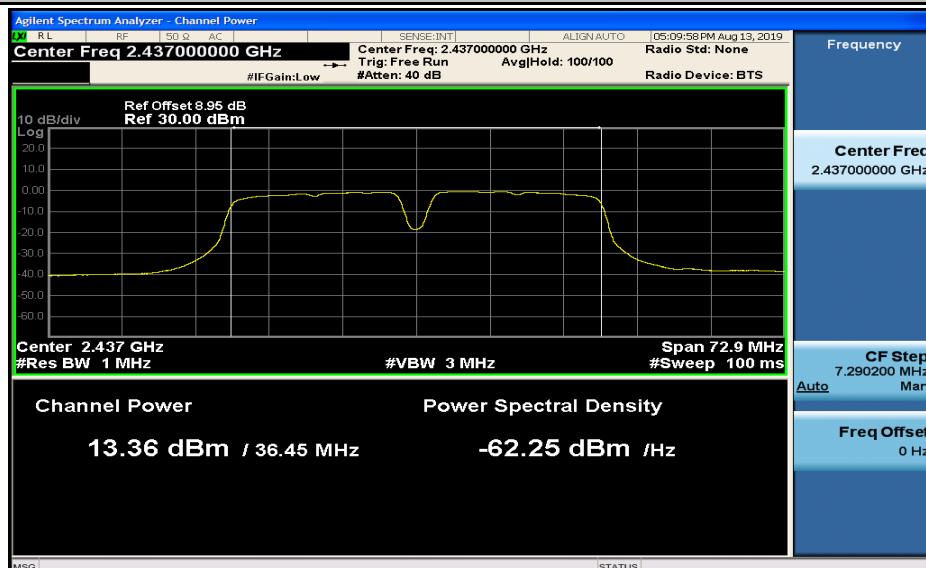
## Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



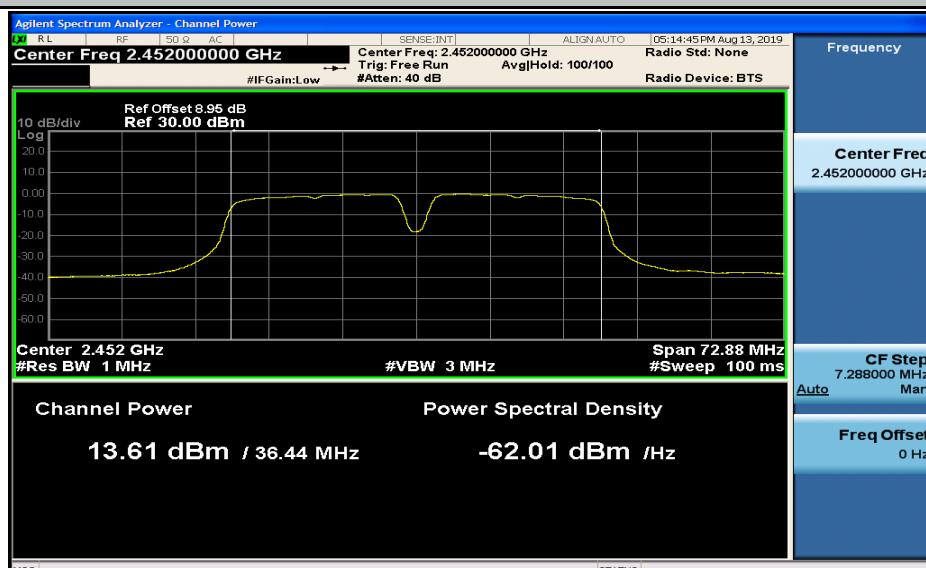
## Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



## 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	-18.66	0.00	-18.66	8.00	PASS
11B	2437	Ant1	-17.81	0.00	-17.81	8.00	PASS
11B	2462	Ant1	-17.60	0.00	-17.60	8.00	PASS
11G	2412	Ant1	-19.34	0.00	-19.34	8.00	PASS
11G	2437	Ant1	-18.26	0.00	-18.26	8.00	PASS
11G	2462	Ant1	-17.14	0.00	-17.14	8.00	PASS
11N20SISO	2412	Ant1	-19.49	0.00	-19.49	8.00	PASS
11N20SISO	2437	Ant1	-17.62	0.00	-17.62	8.00	PASS
11N20SISO	2462	Ant1	-17.31	0.00	-17.31	8.00	PASS
11N40SISO	2422	Ant1	-23.77	0.00	-23.77	8.00	PASS
11N40SISO	2437	Ant1	-23.82	0.00	-23.82	8.00	PASS
11N40SISO	2452	Ant1	-23.41	0.00	-23.41	8.00	PASS

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



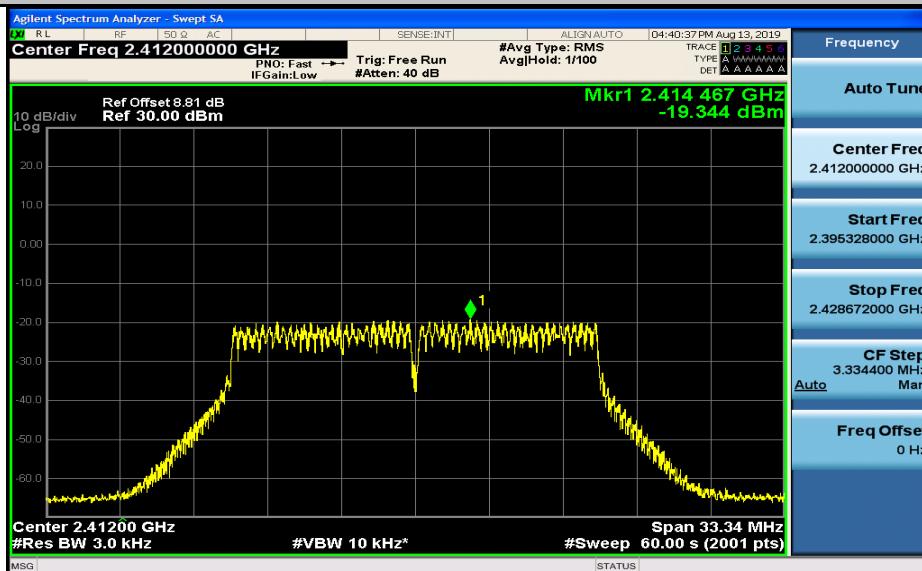
## Maximum(average) power spectral density\_11B\_2437\_Ant1



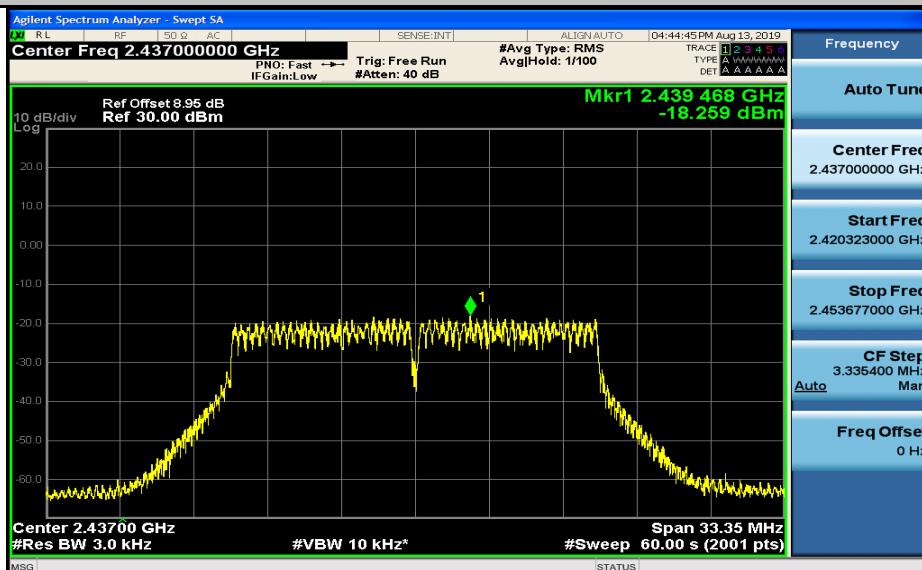
## Maximum(average) power spectral density\_11B\_2462\_Ant1



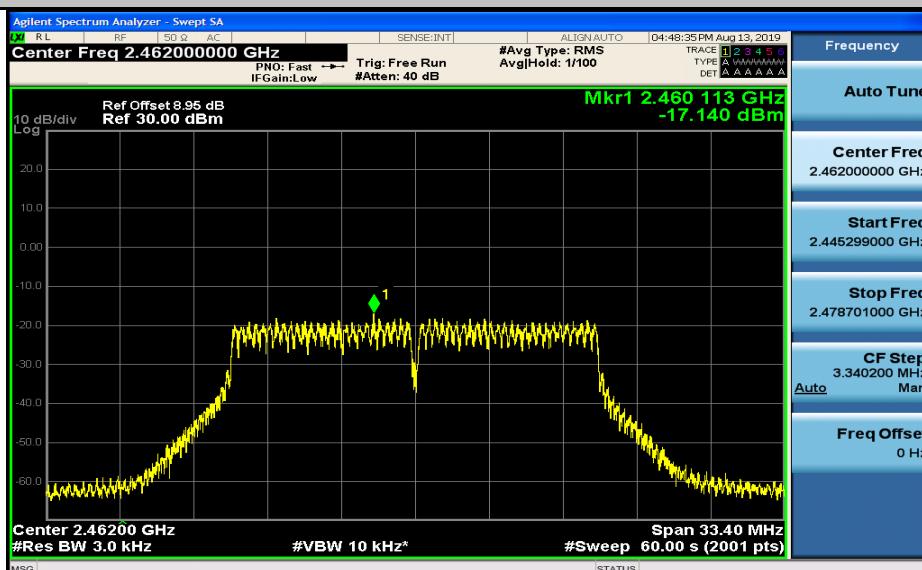
## Maximum(average) power spectral density\_11G\_2412\_Ant1



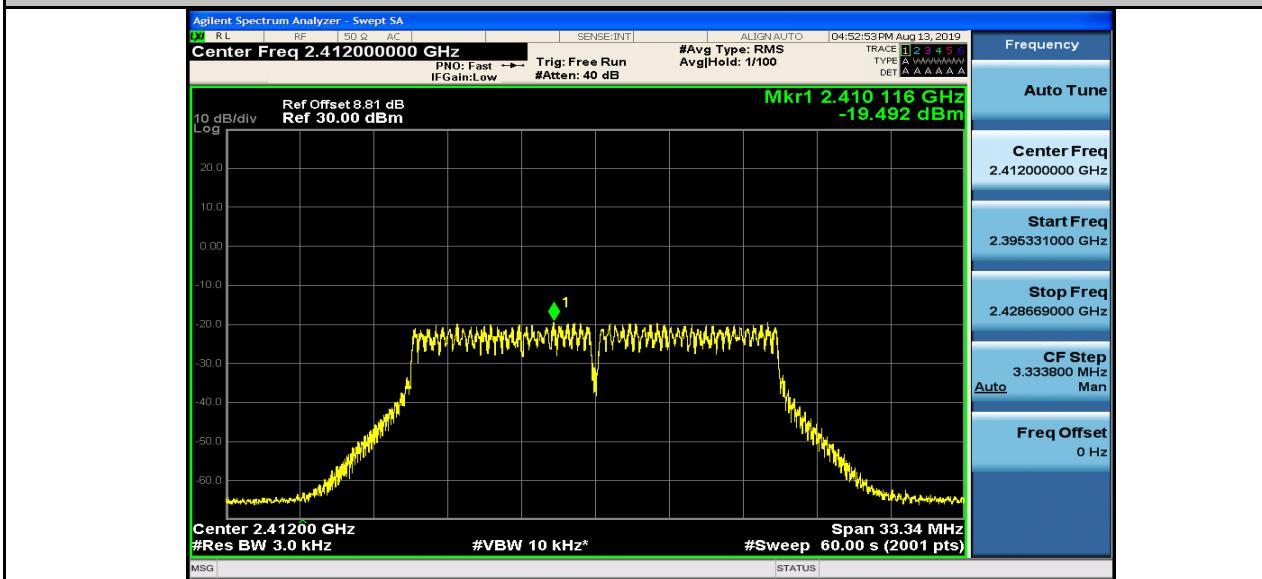
## Maximum(average) power spectral density\_11G\_2437\_Ant1



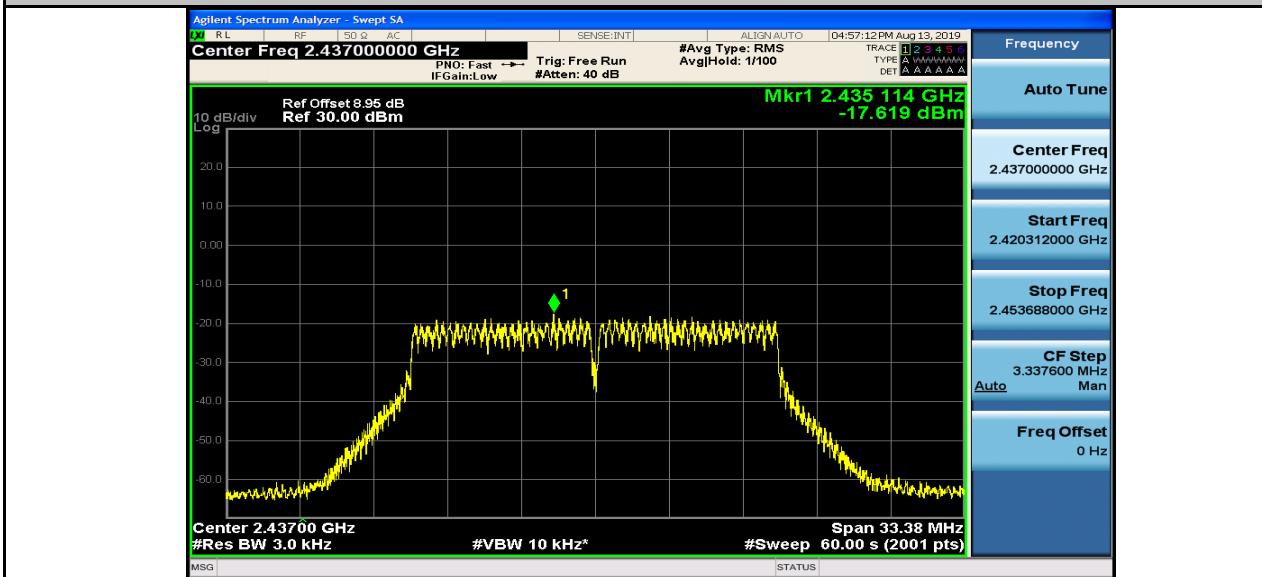
## Maximum(average) power spectral density\_11G\_2462\_Ant1



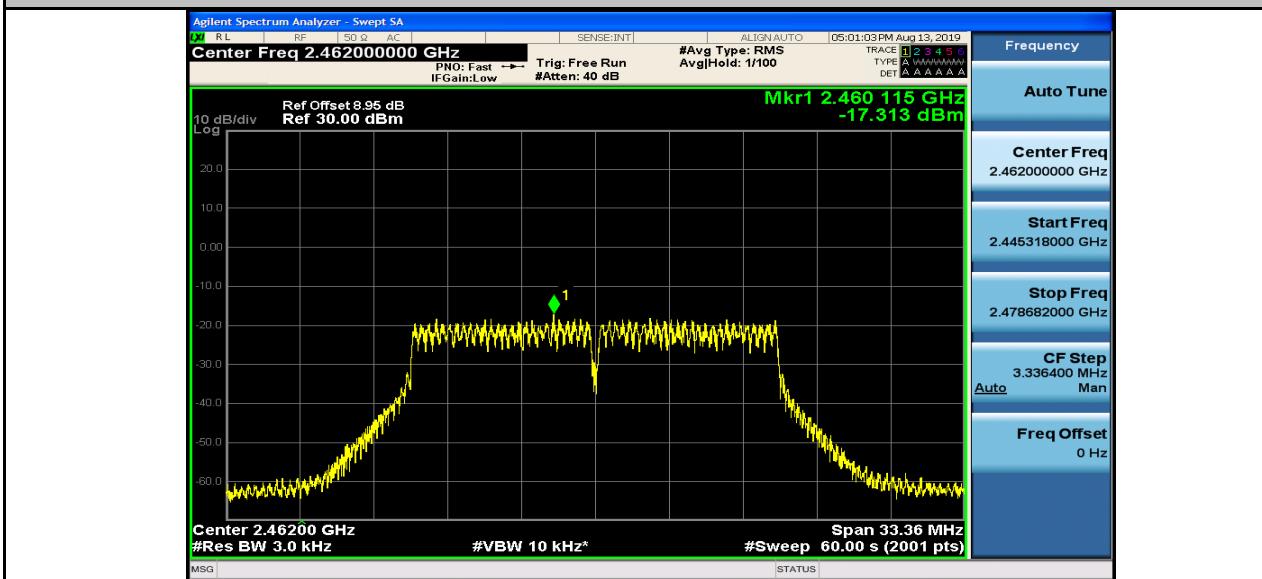
## Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



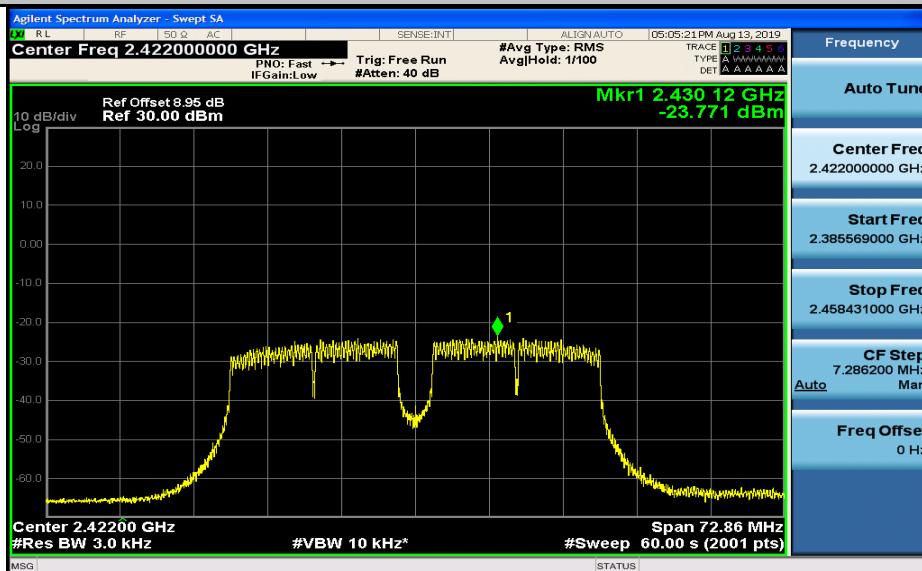
## Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



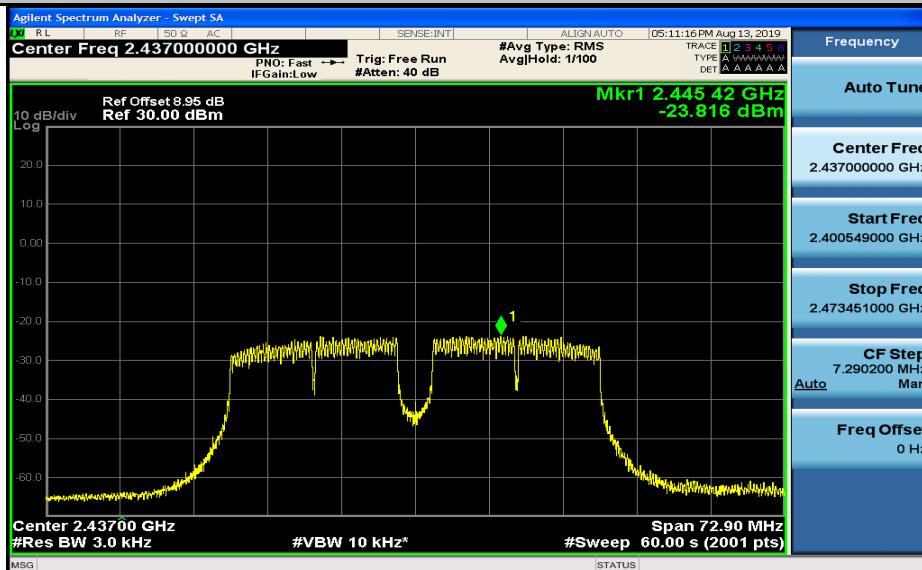
## Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



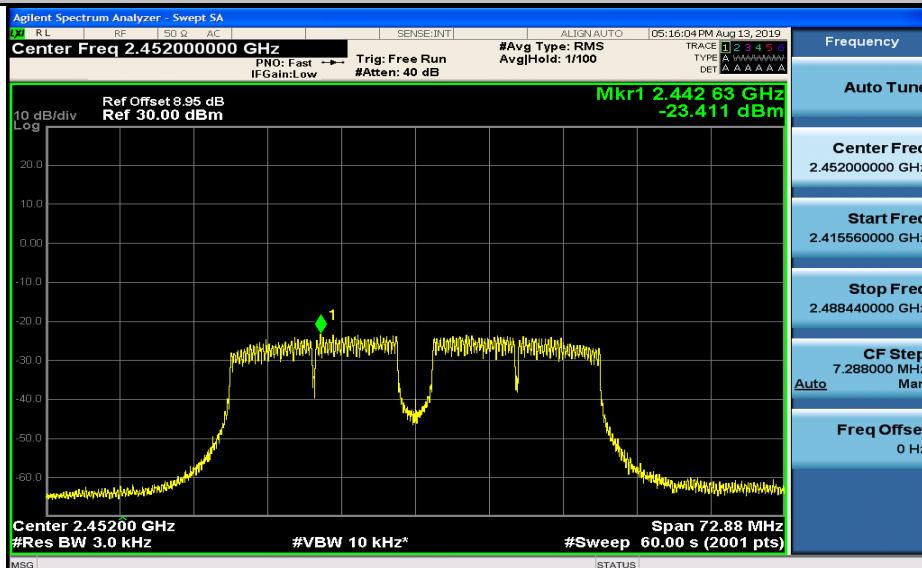
## Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



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



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

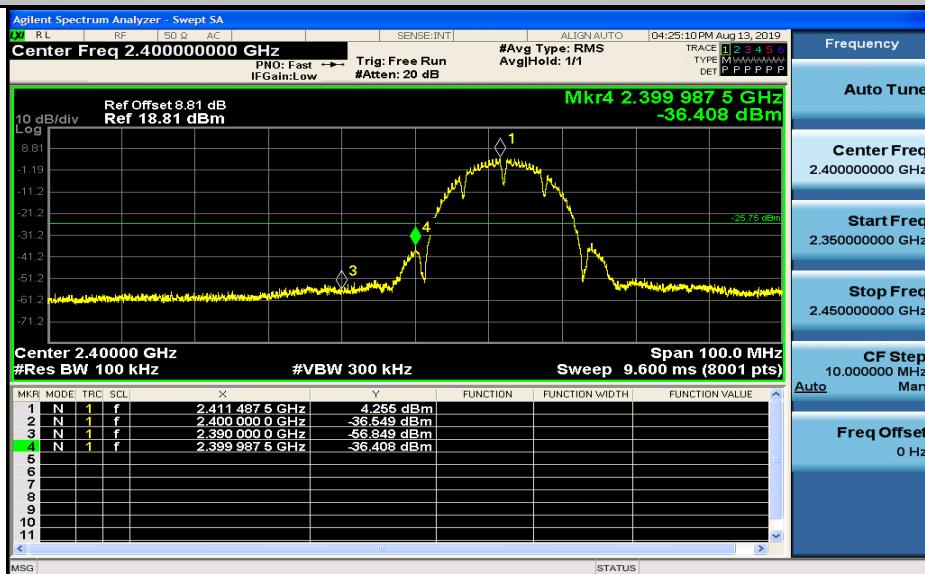




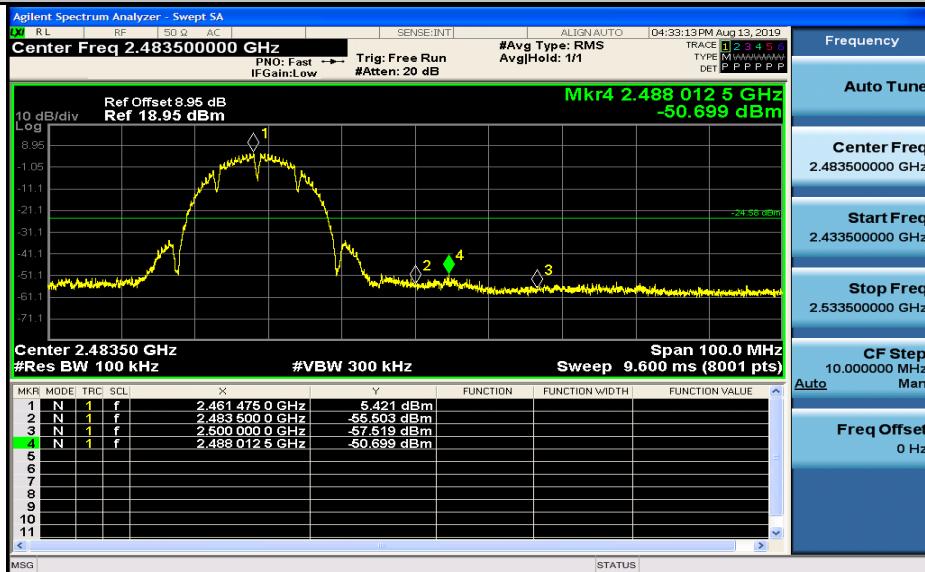
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	4.26	-36.41	-25.75	PASS
11B	2462	Ant1	5.42	-50.70	-24.58	PASS
11G	2412	Ant1	1.61	-37.66	-28.39	PASS
11G	2462	Ant1	2.82	-42.64	-27.18	PASS
11N20SISO	2412	Ant1	1.52	-38.23	-28.49	PASS
11N20SISO	2462	Ant1	2.83	-42.67	-27.17	PASS
11N40SISO	2422	Ant1	-1.94	-36.50	-31.94	PASS
11N40SISO	2452	Ant1	-1.17	-36.61	-31.17	PASS

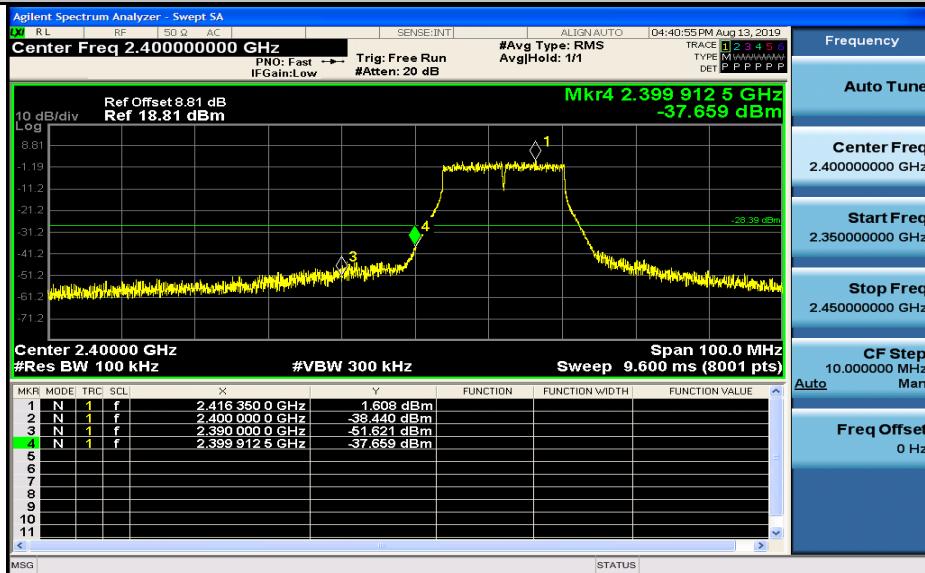
## Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



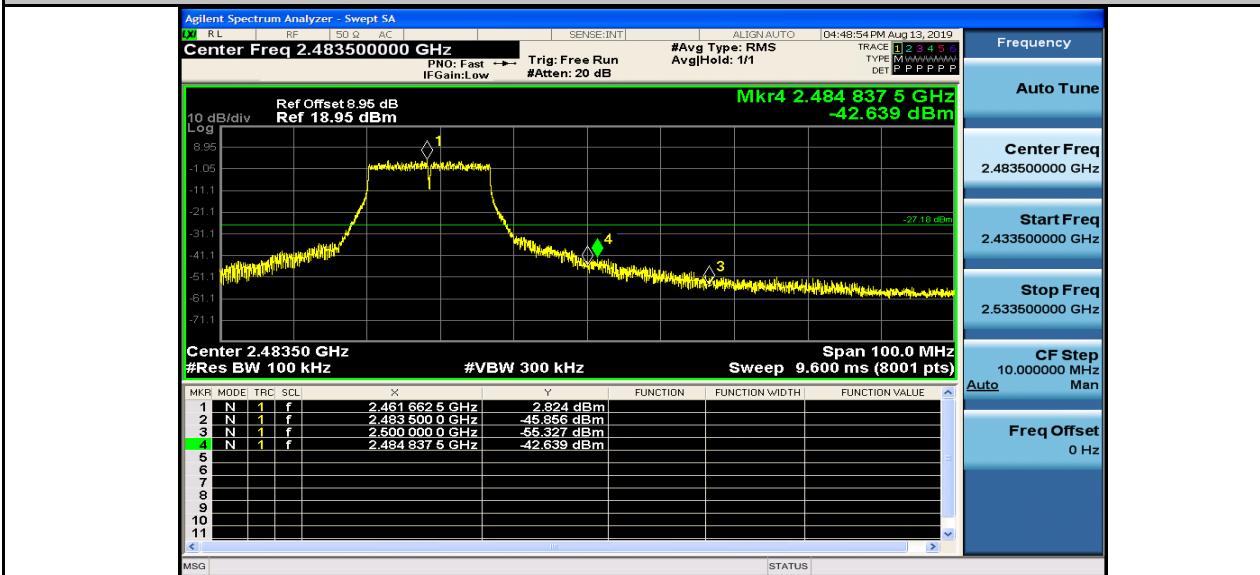
## Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



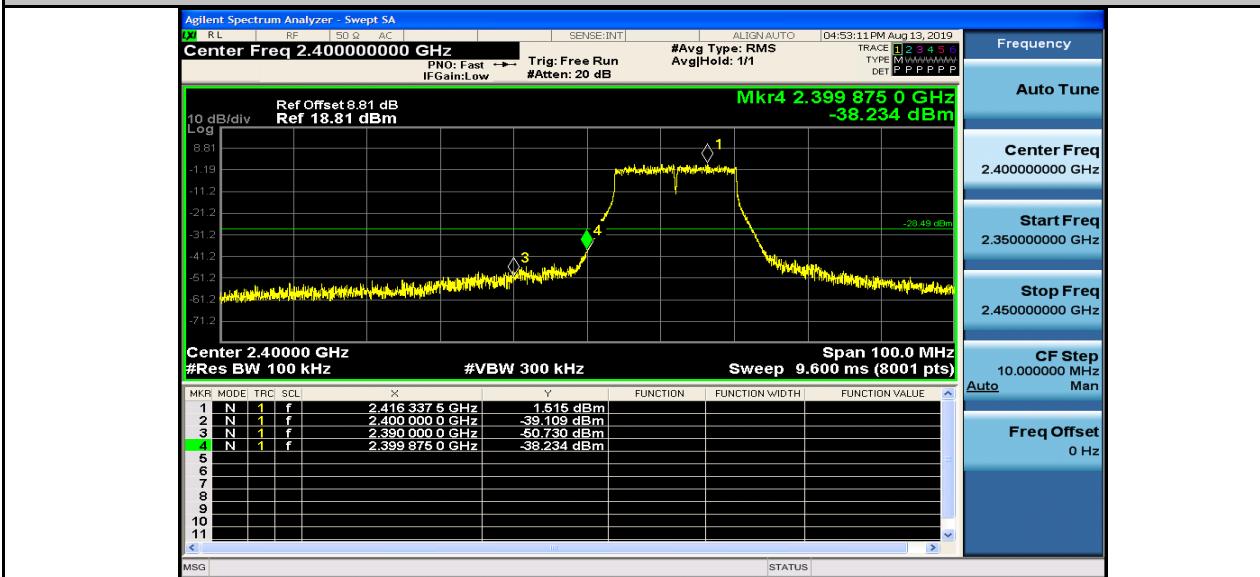
## Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



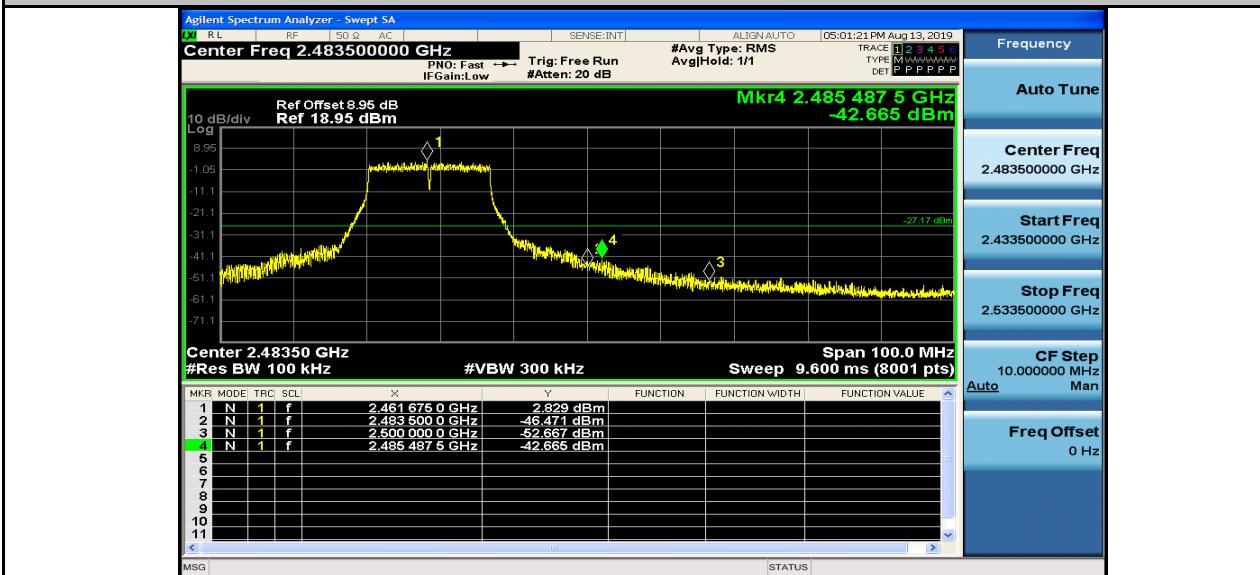
## Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



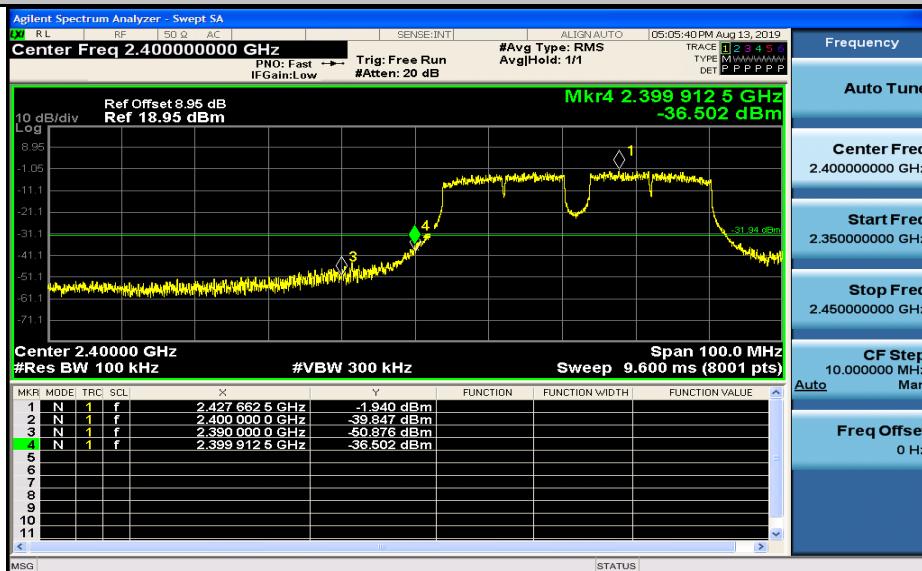
## Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



## 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



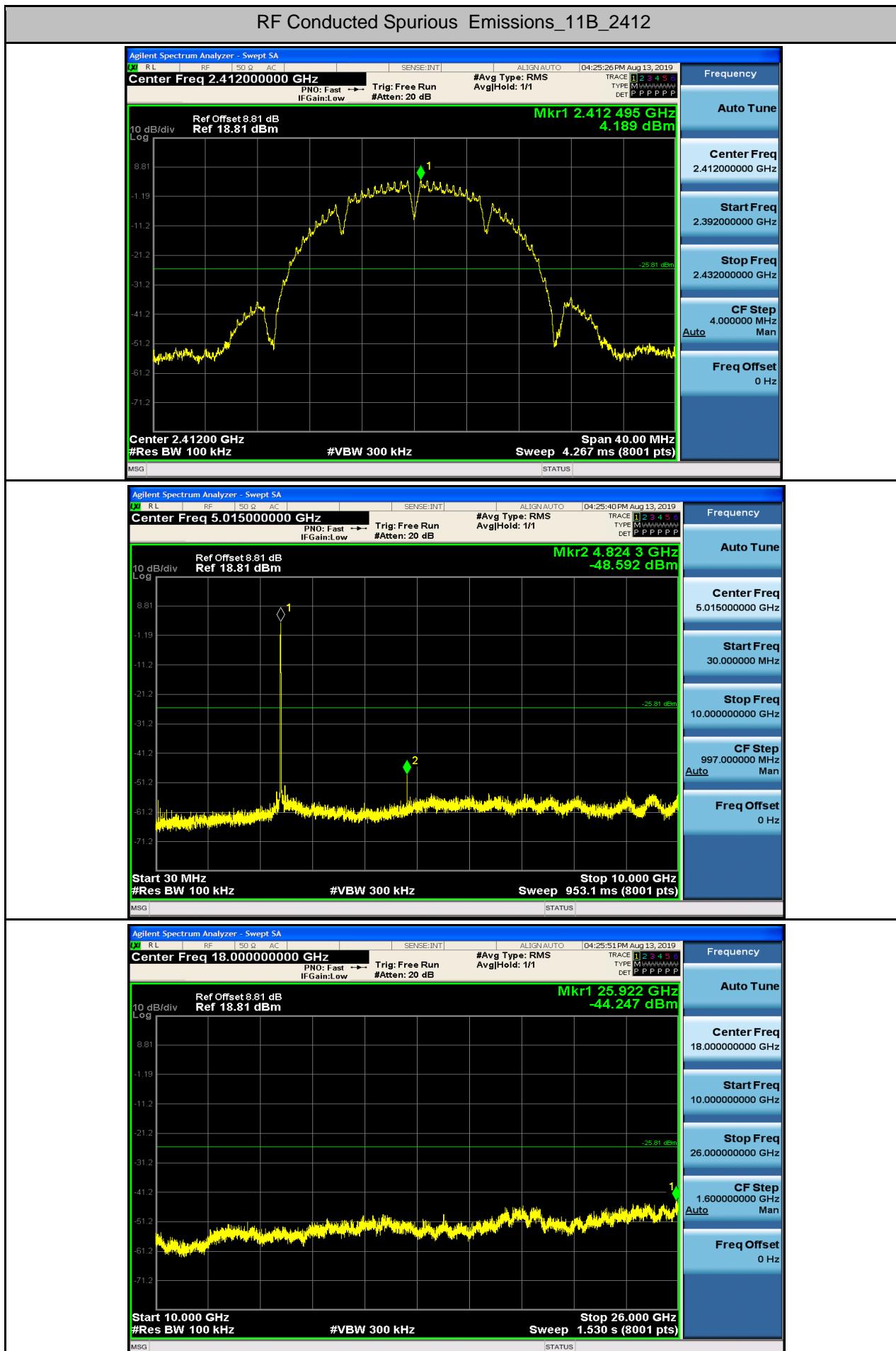


6.RF Conducted Spurious Emissions

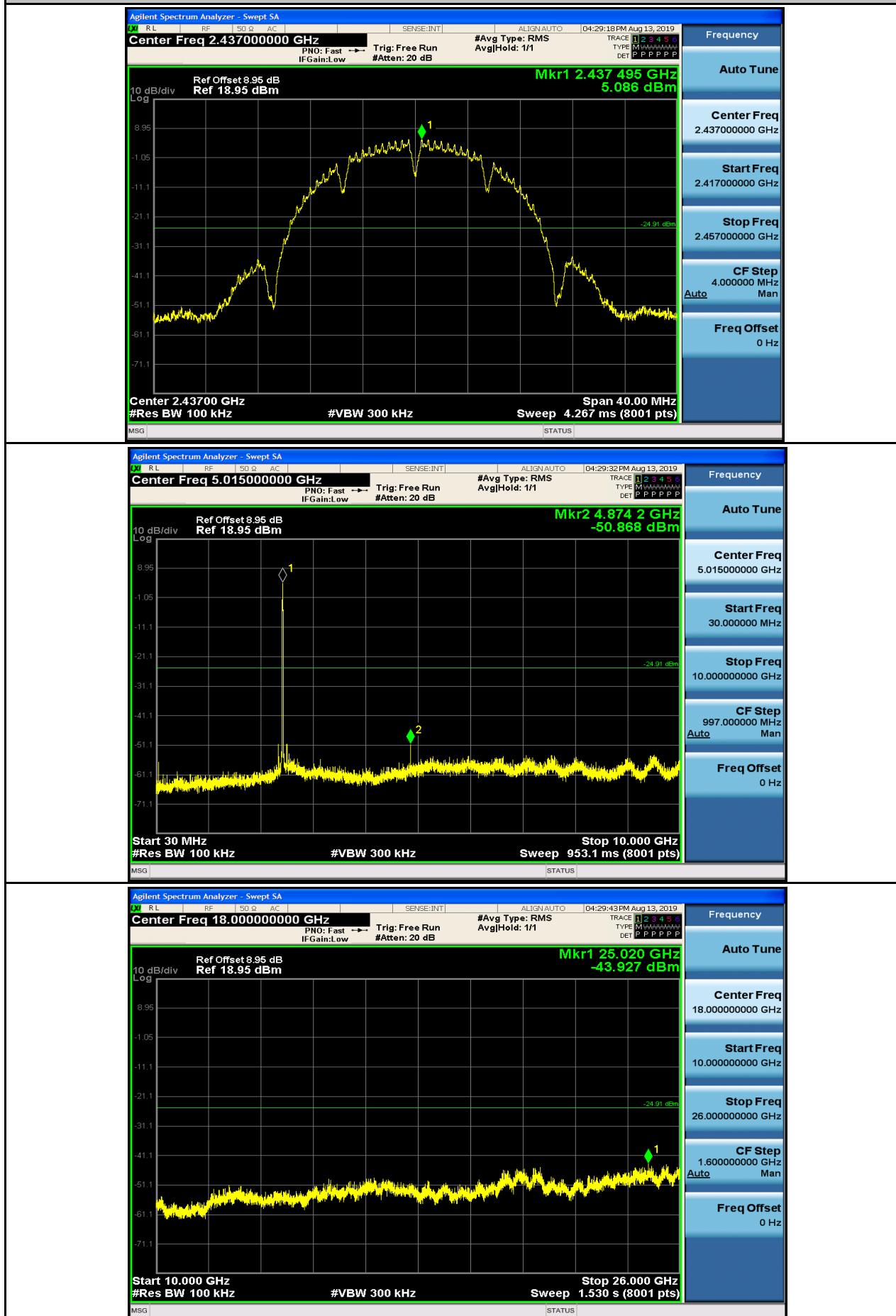
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	4.19	-48.59	<- 25.81	PASS
11B	2412	Ant1	10000	26000	100	300	4.189	-44.247	<- 25.811	PASS
11B	2437	Ant1	30	10000	100	300	5.09	-50.87	<- 24.91	PASS
11B	2437	Ant1	10000	26000	100	300	5.086	-43.927	<- 24.914	PASS
11B	2462	Ant1	30	10000	100	300	5.33	-52.62	<- 24.67	PASS
11B	2462	Ant1	10000	26000	100	300	5.33	-42.771	<- 24.67	PASS
11G	2412	Ant1	30	10000	100	300	1.29	-46.54	<- 28.71	PASS
11G	2412	Ant1	10000	26000	100	300	1.29	-44.528	<- 28.71	PASS
11G	2437	Ant1	30	10000	100	300	2.48	-47.07	<- 27.52	PASS
11G	2437	Ant1	10000	26000	100	300	2.478	-43.990	<- 27.522	PASS
11G	2462	Ant1	30	10000	100	300	2.77	-47.72	<- 27.23	PASS
11G	2462	Ant1	10000	26000	100	300	2.766	-44.026	<- 27.234	PASS
11N20SISO	2412	Ant1	30	10000	100	300	1.48	-46.70	<- 28.52	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	1.484	-44.042	<- 28.516	PASS
11N20SISO	2437	Ant1	30	10000	100	300	2.43	-46.99	<- 27.57	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	2.427	-43.328	<- 27.573	PASS
11N20SISO	2462	Ant1	30	10000	100	300	2.62	-47.70	<- 27.39	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	2.615	-42.962	<- 27.385	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-1.84	-46.10	<- 31.84	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-1.838	-44.234	<- 31.838	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-1.38	-46.79	<- 31.38	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-1.381	-44.663	<- 31.381	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-1.10	-47.67	<- 31.10	PASS



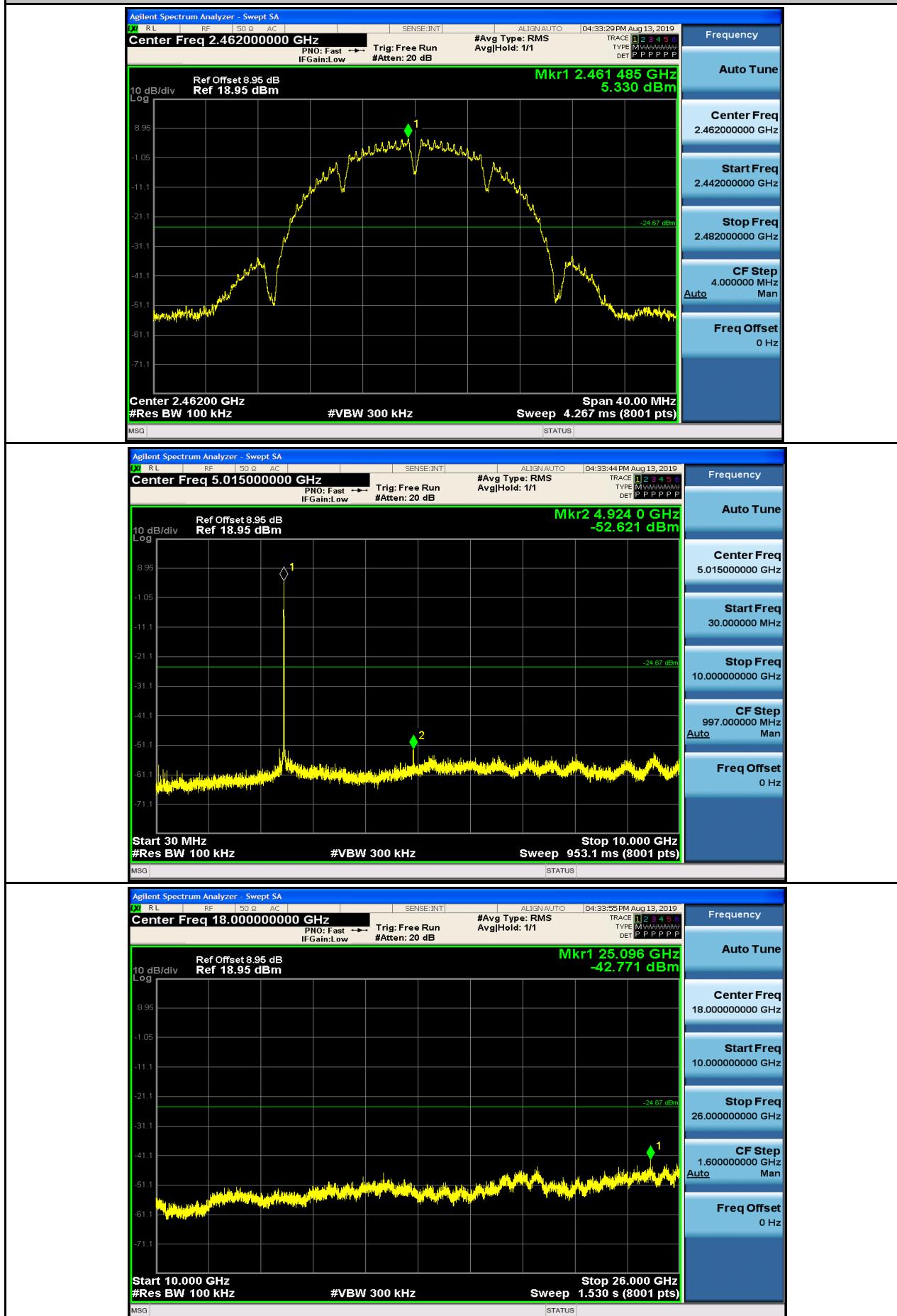
11N40SISO	2452	Ant1	10000	26000	100	300	-1.095	-44.204	< 31.095	PASS
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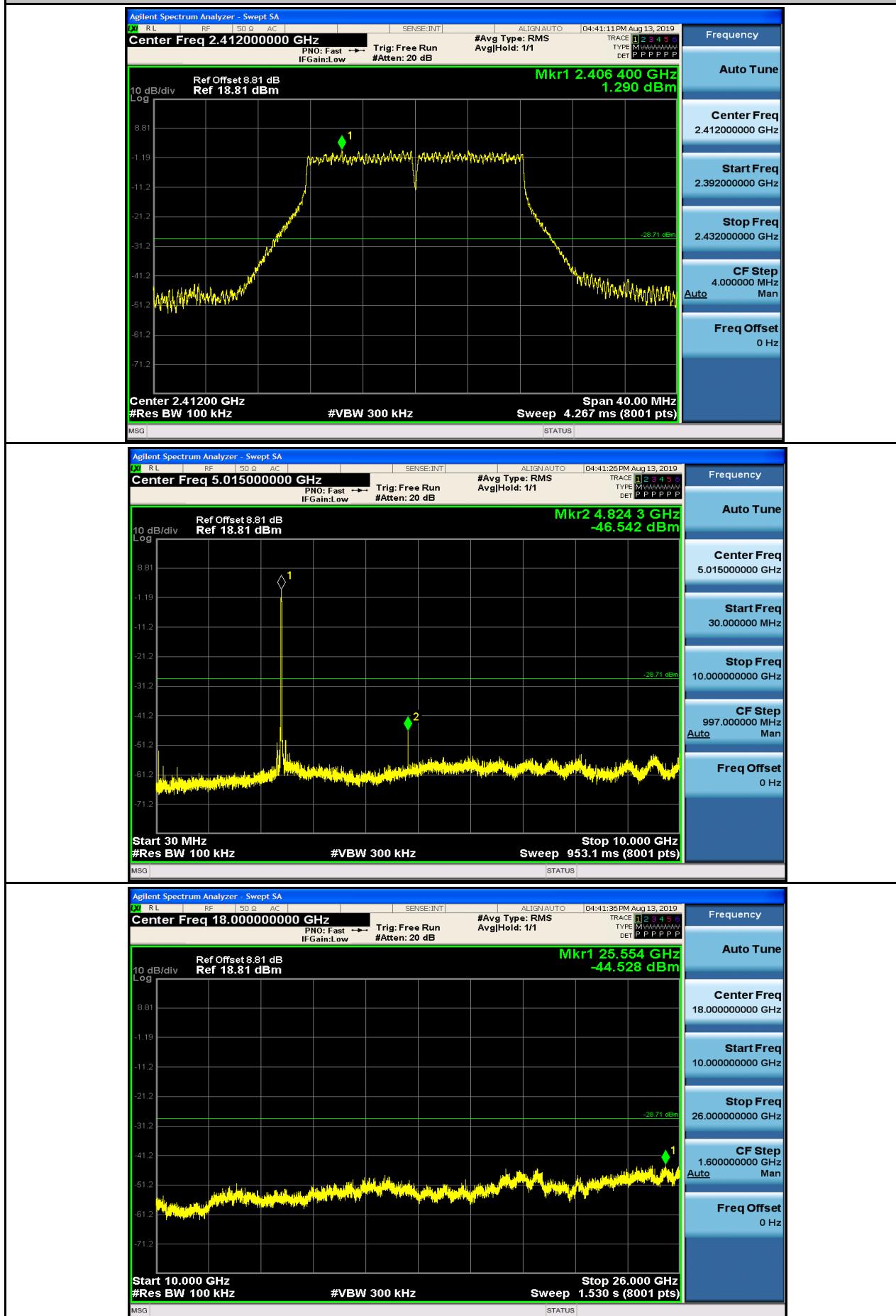
## RF Conducted Spurious Emissions\_11B\_2437



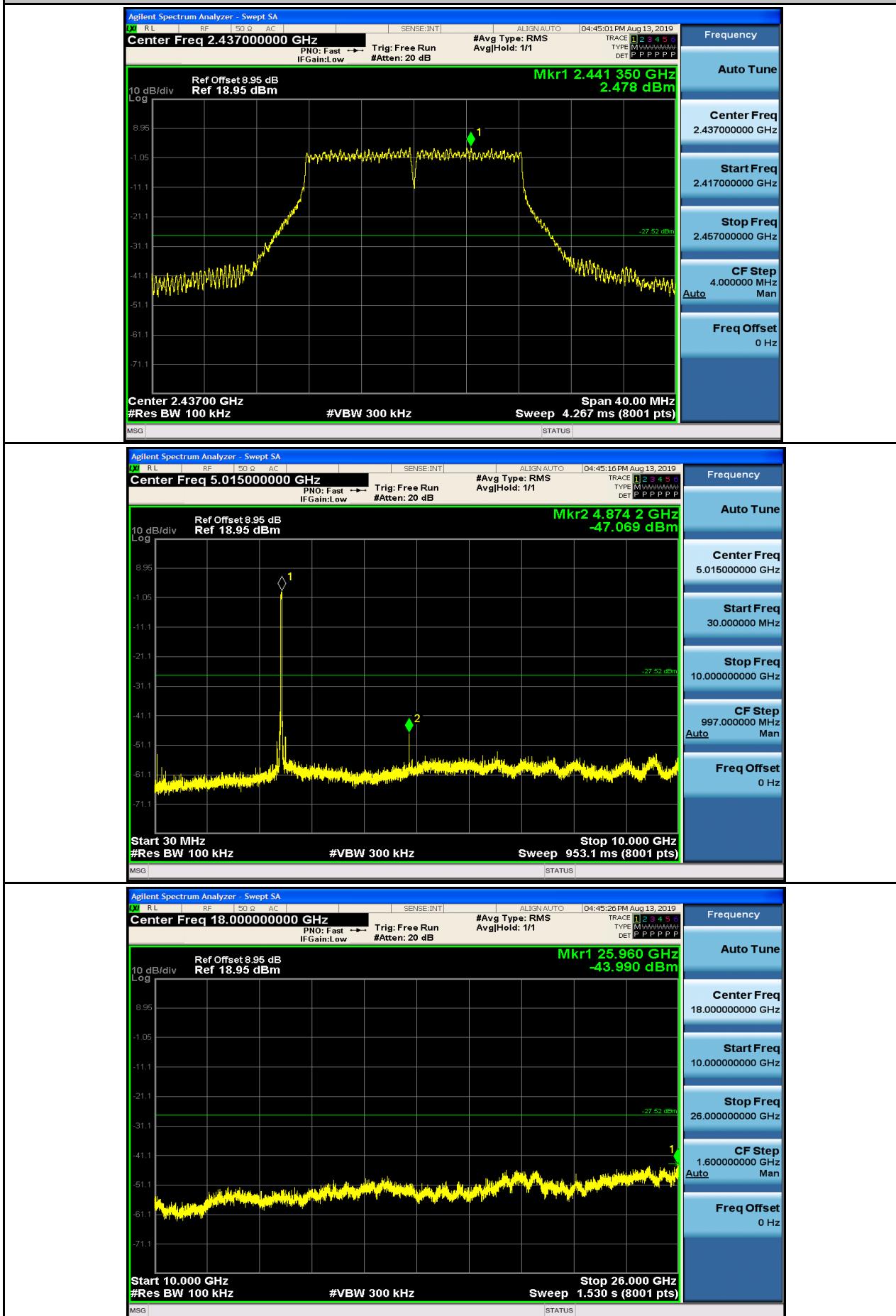
## RF Conducted Spurious Emissions\_11B\_2462



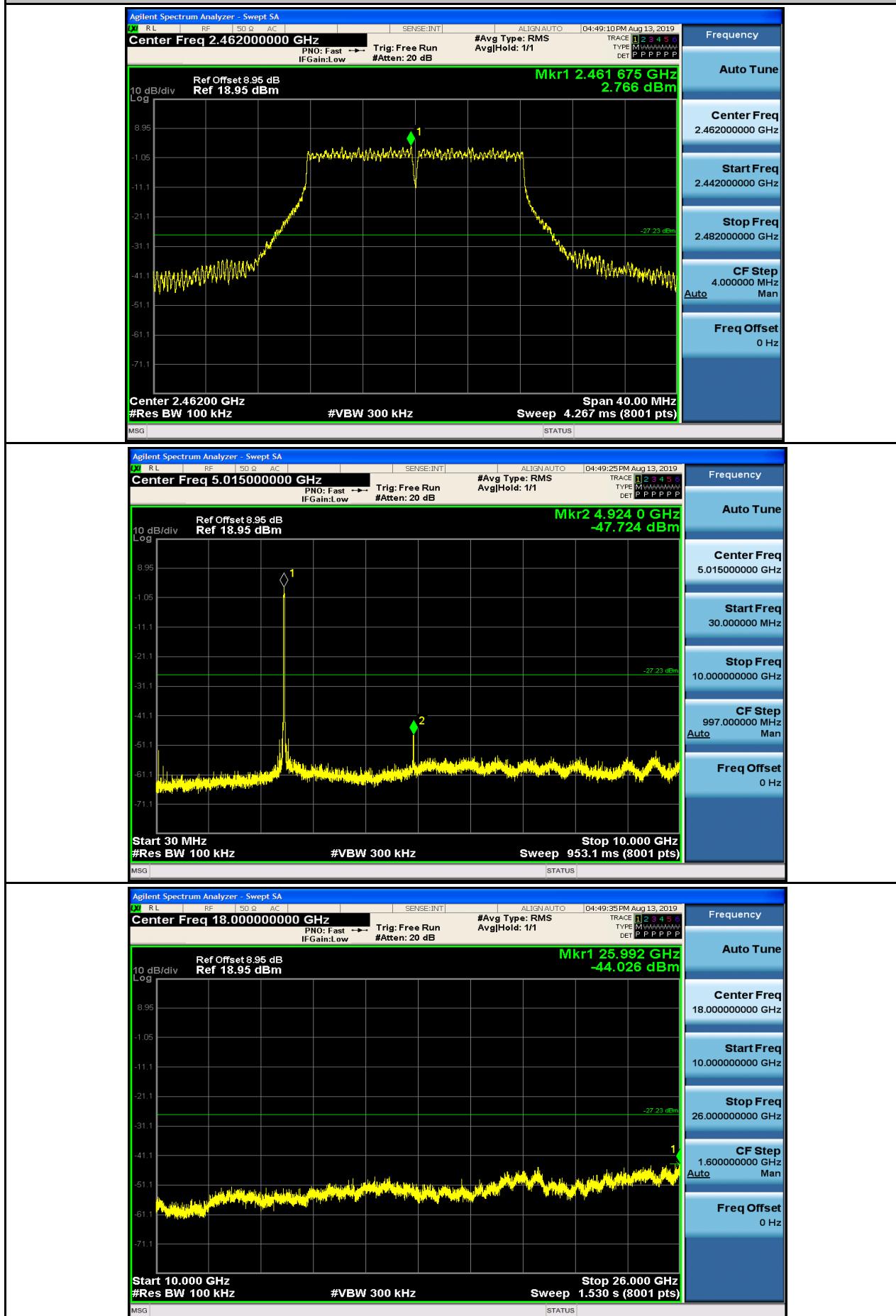
## RF Conducted Spurious Emissions\_11G\_2412

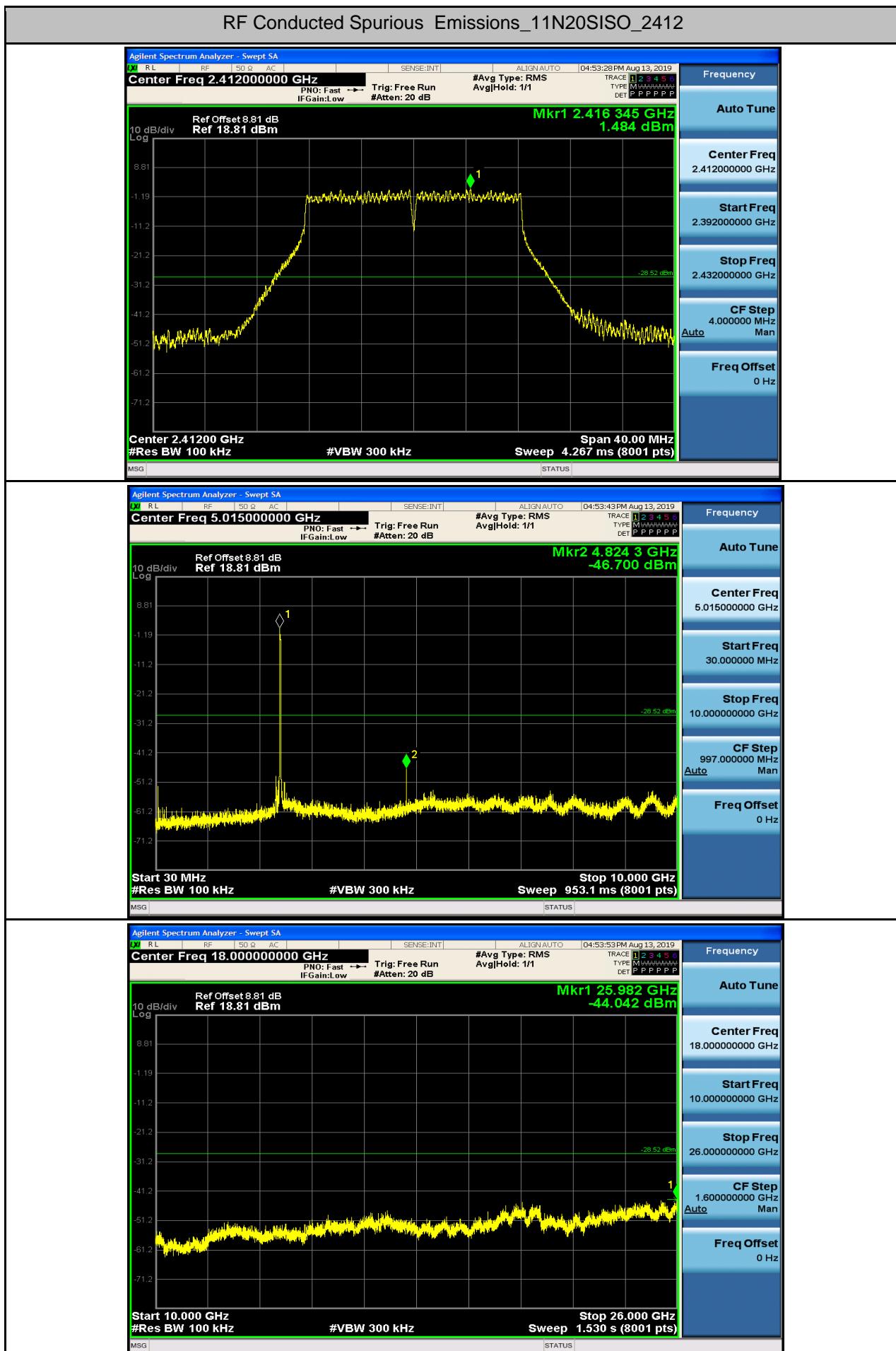


## RF Conducted Spurious Emissions\_11G\_2437

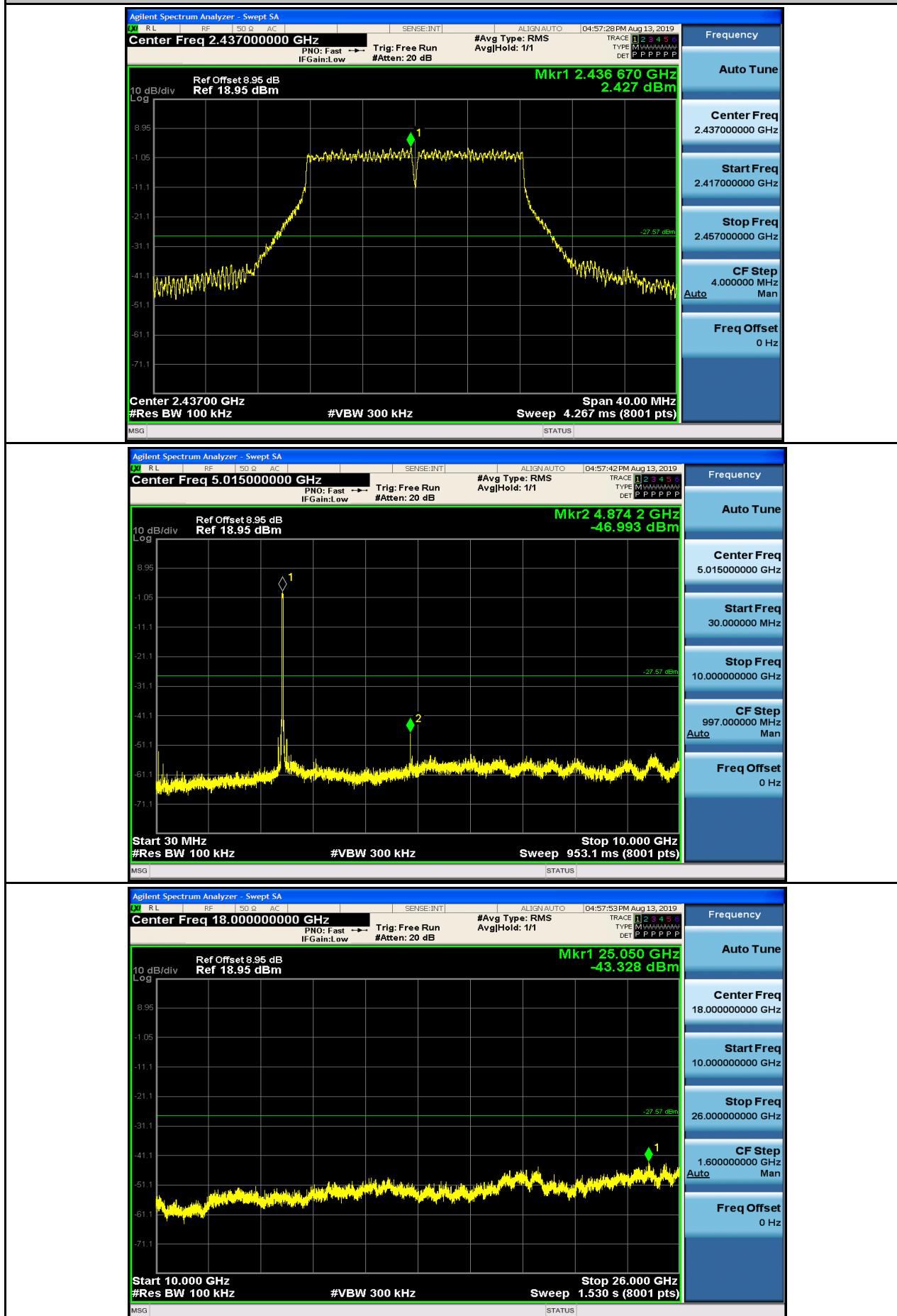


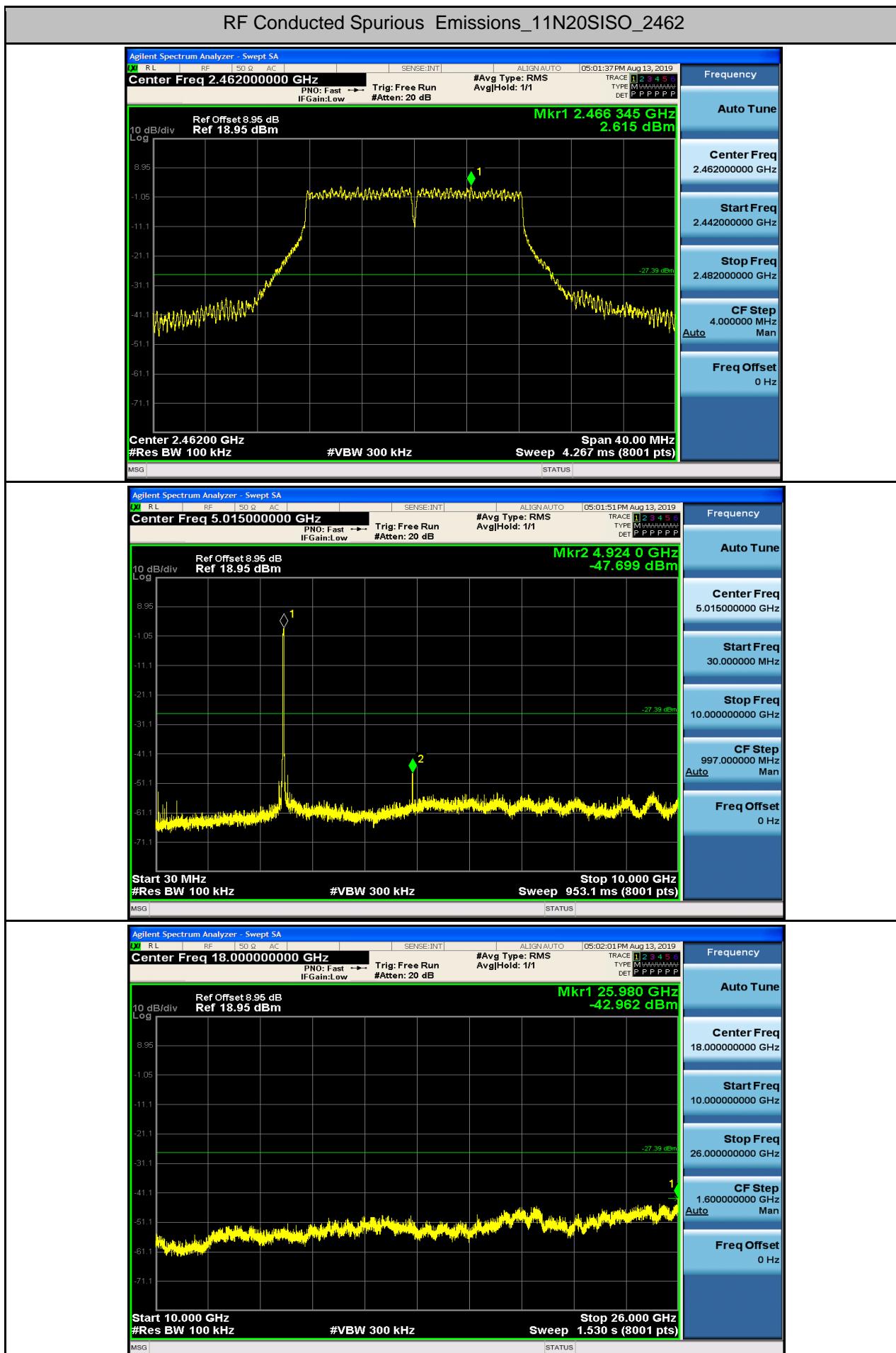
## RF Conducted Spurious Emissions\_11G\_2462

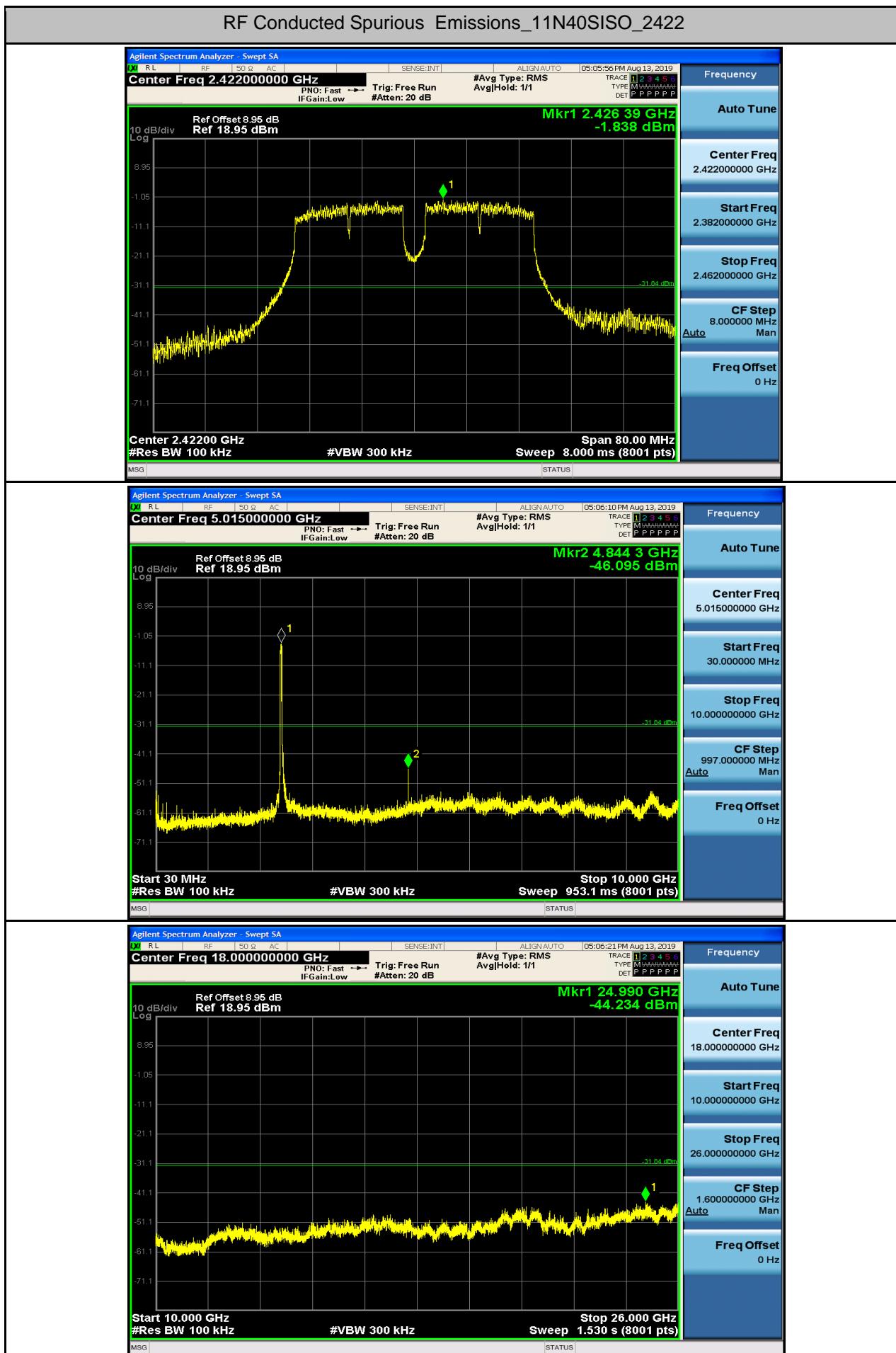




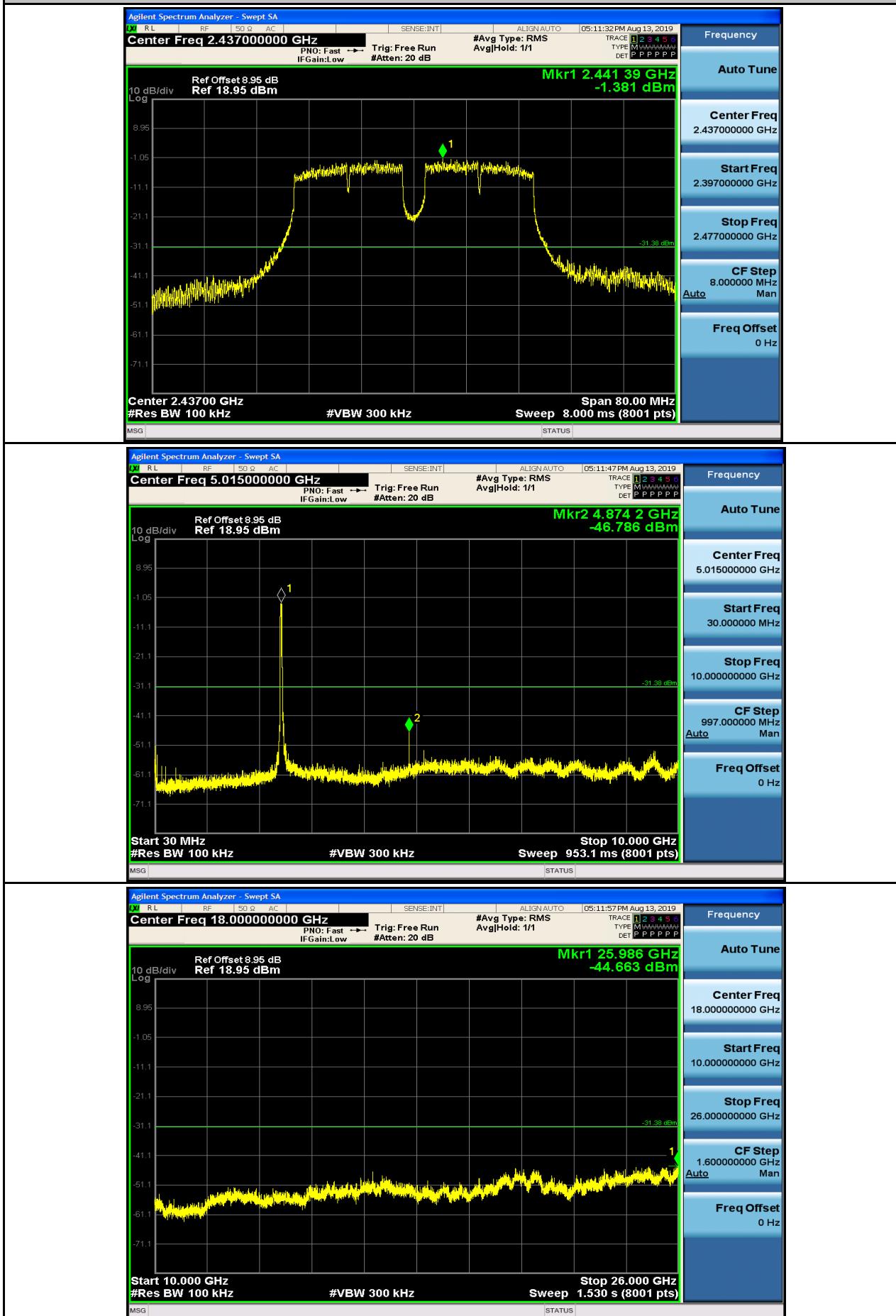
## RF Conducted Spurious Emissions\_11N20SISO\_2437

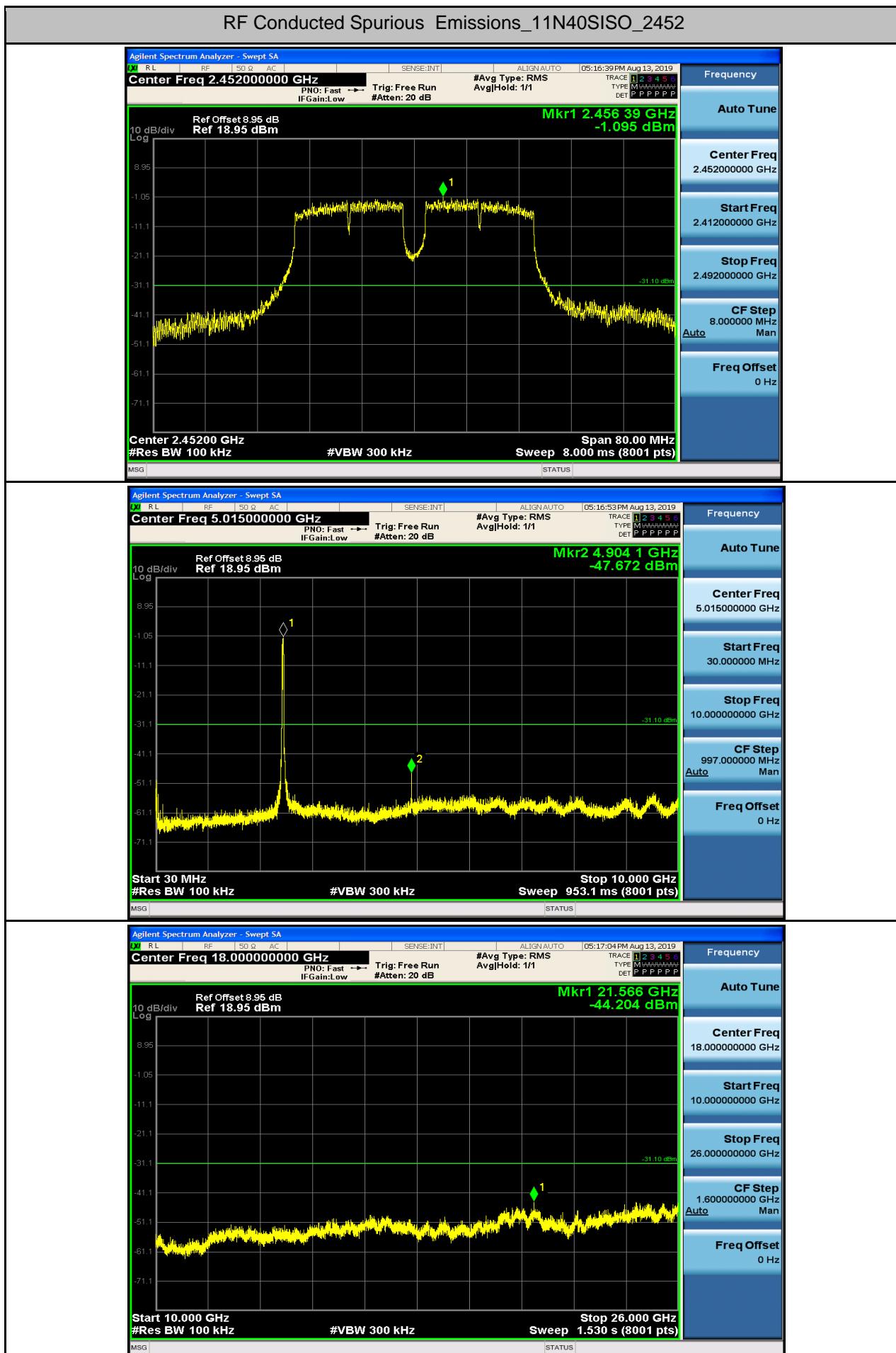






## RF Conducted Spurious Emissions\_11N40SISO\_2437



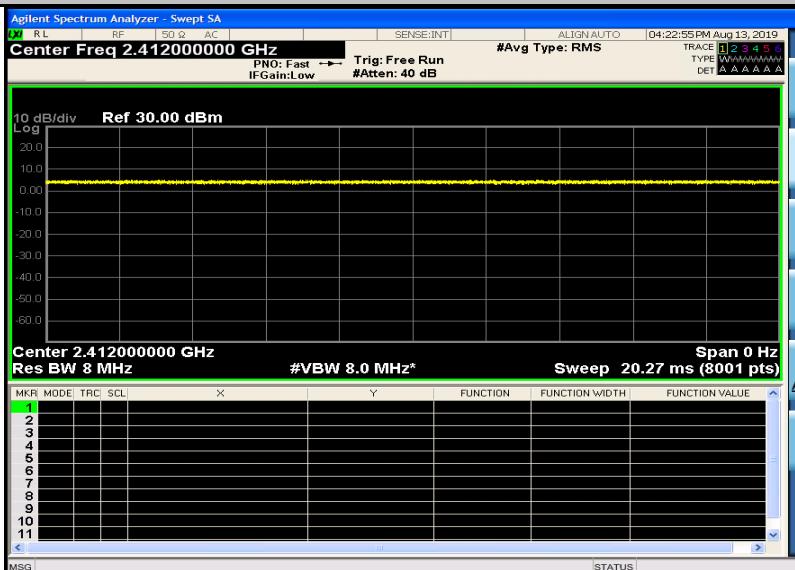




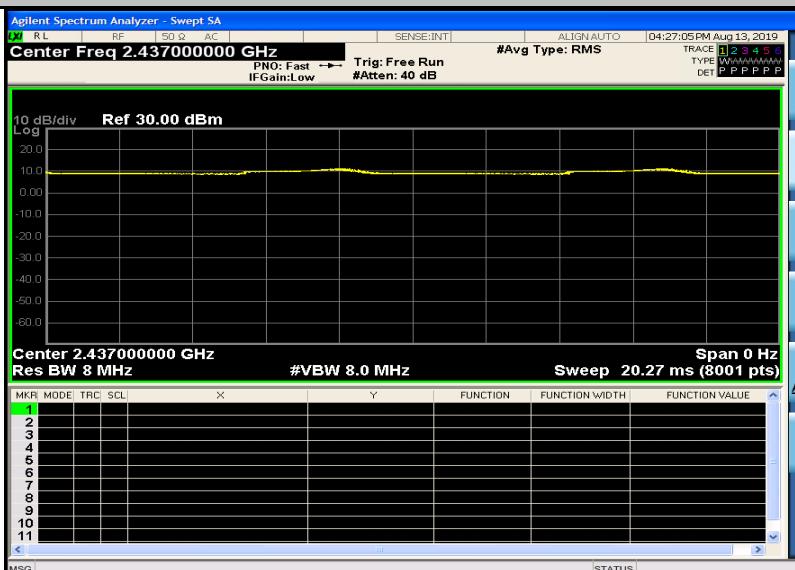
#### 7.Duty Cycle

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

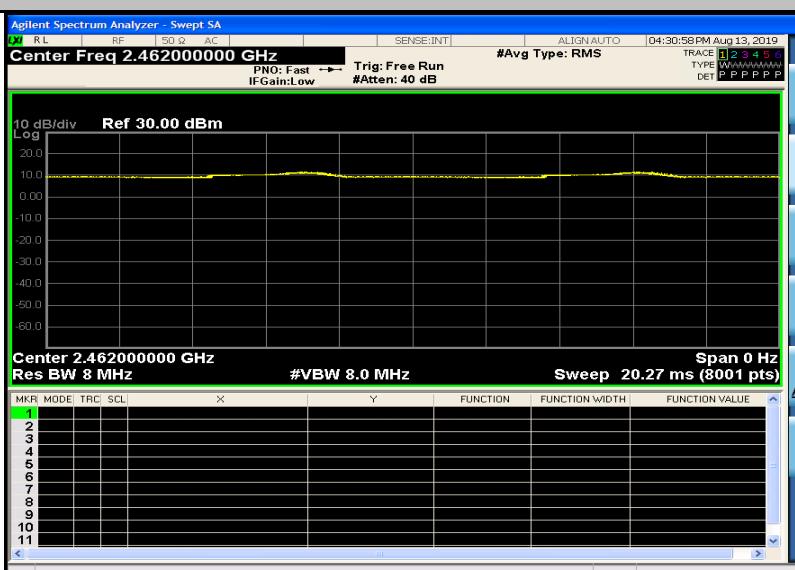
## Duty Cycle\_11B\_2412\_Ant1



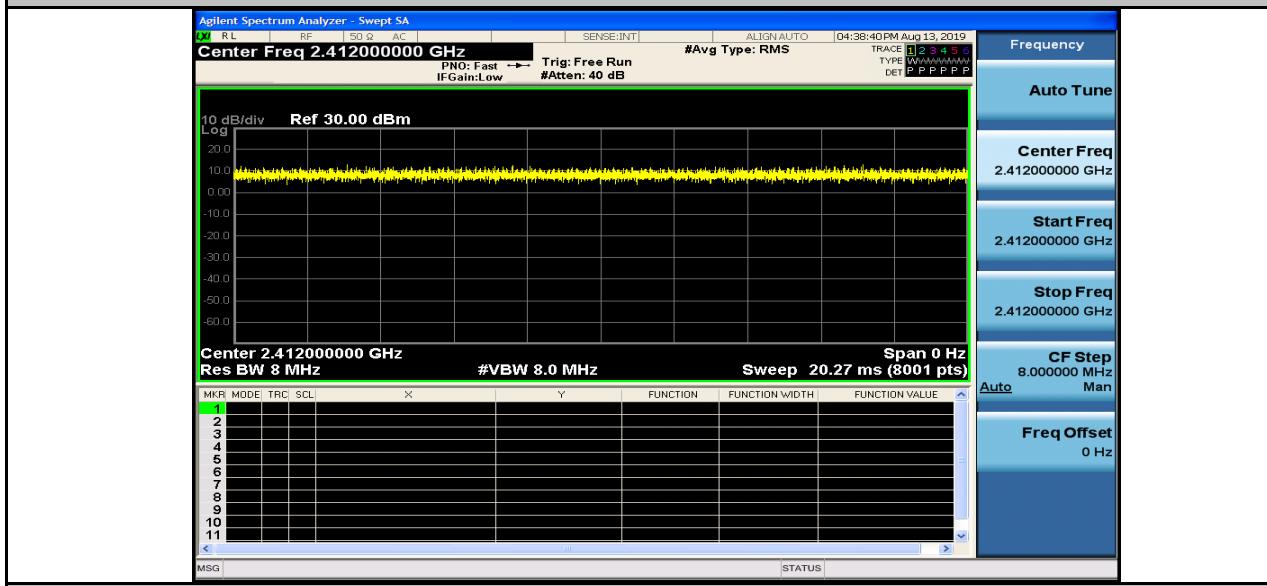
## Duty Cycle\_11B\_2437\_Ant1



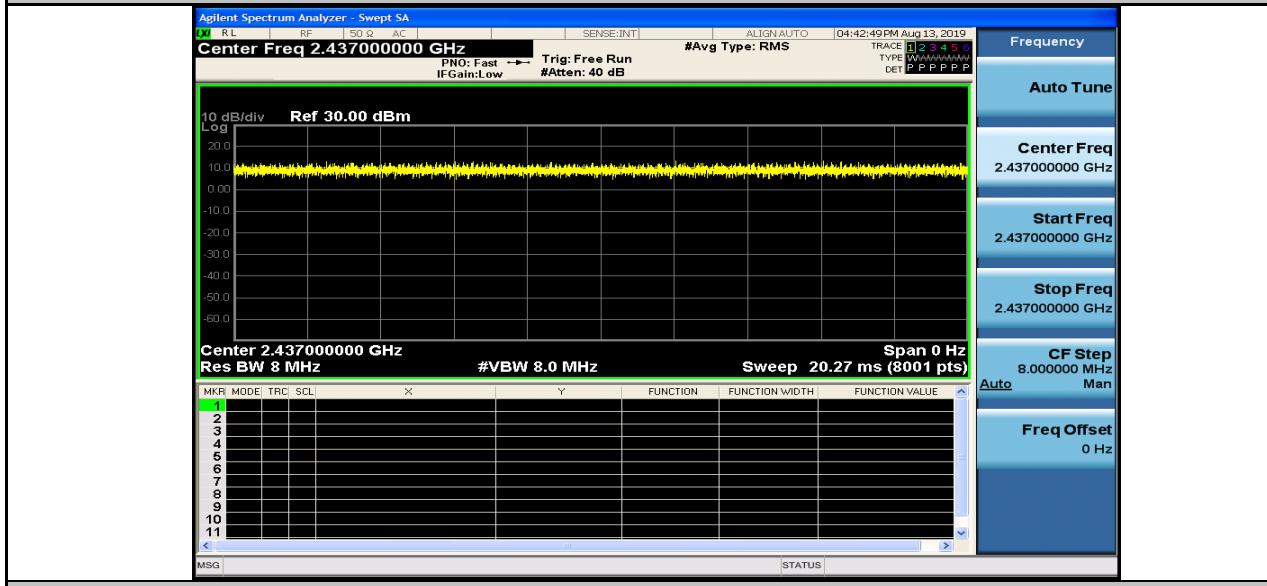
## Duty Cycle\_11B\_2462\_Ant1



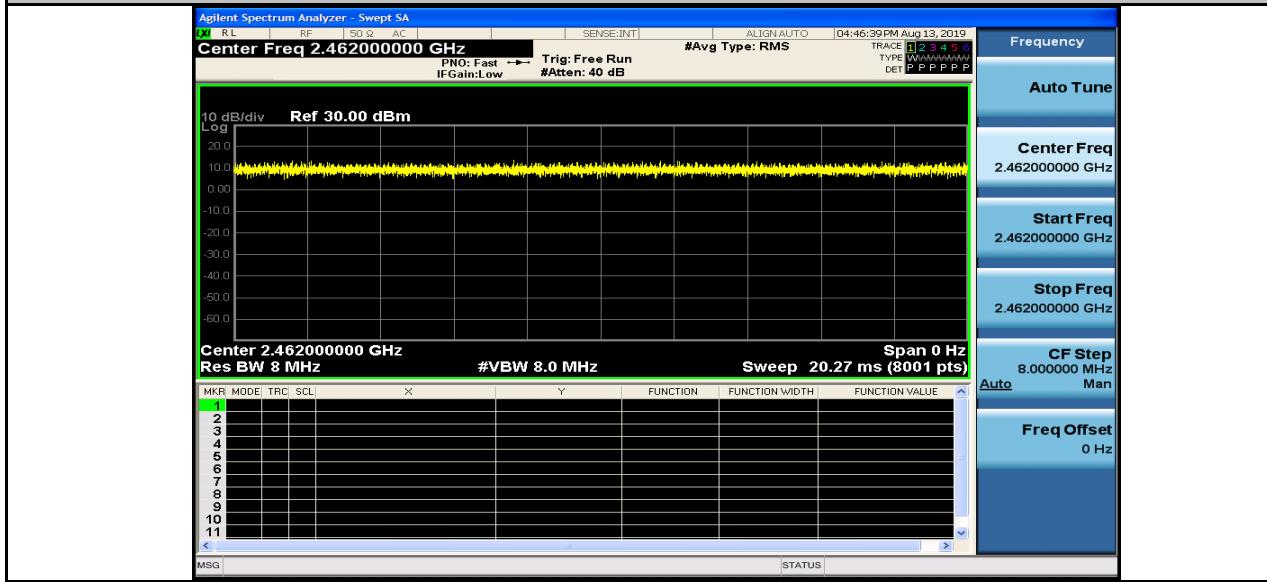
## Duty Cycle\_11G\_2412\_Ant1



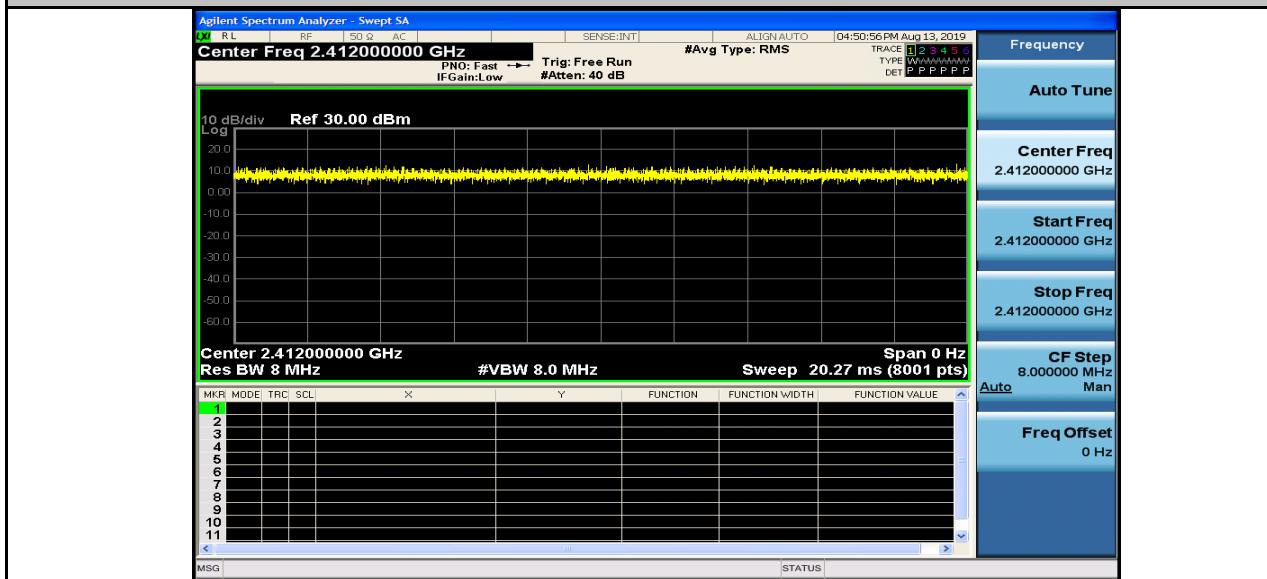
## Duty Cycle\_11G\_2437\_Ant1



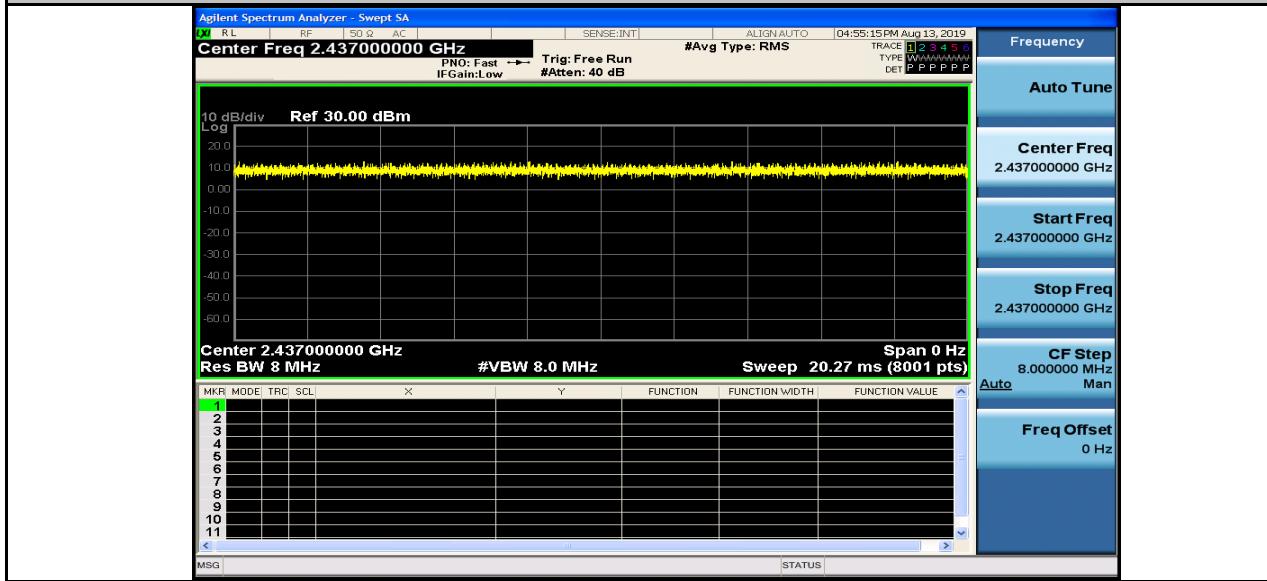
## Duty Cycle\_11G\_2462\_Ant1



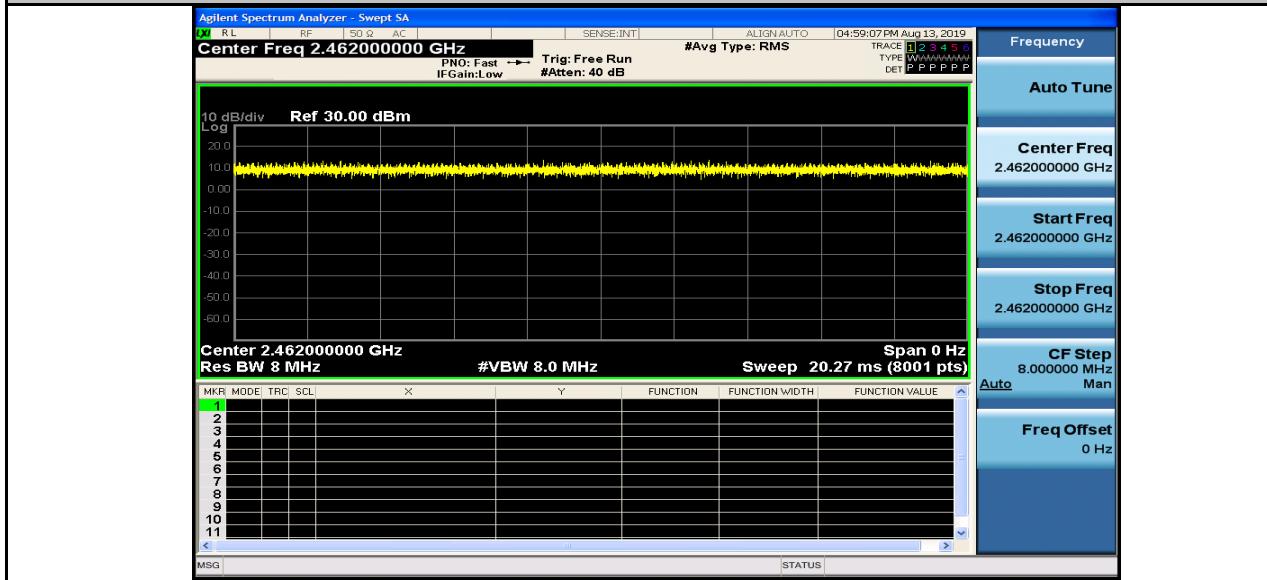
## Duty Cycle\_11N20SISO\_2412\_Ant1



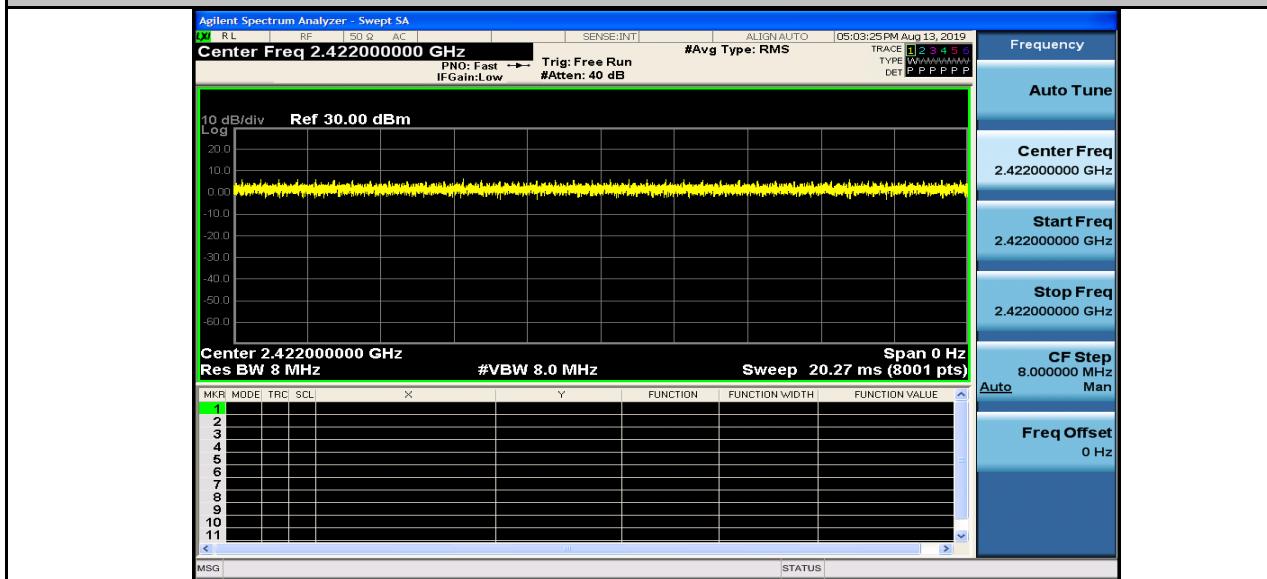
## Duty Cycle\_11N20SISO\_2437\_Ant1



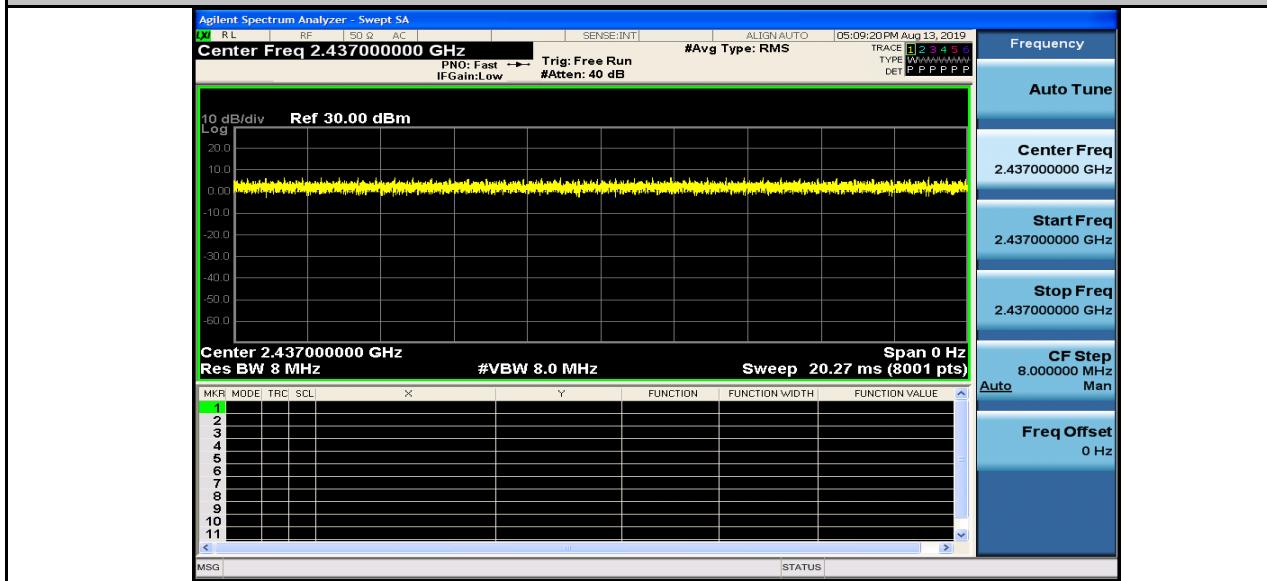
## Duty Cycle\_11N20SISO\_2462\_Ant1



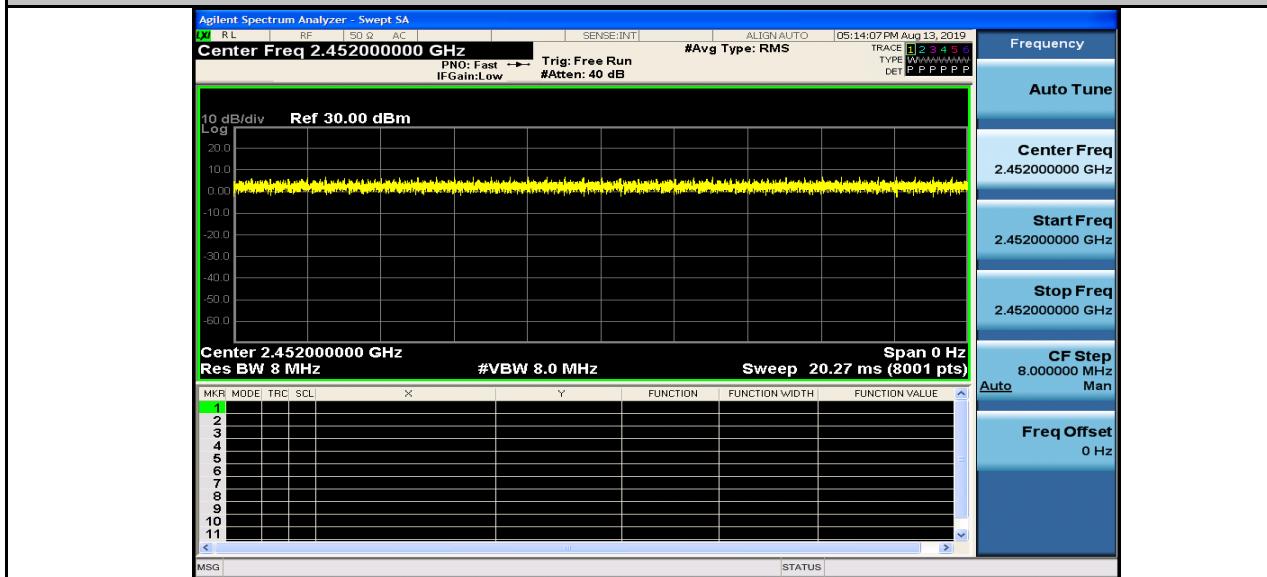
## Duty Cycle\_11N40SISO\_2422\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2452\_Ant1





**SGS-CSTC Standards Technical Services Co., Ltd. Shanghai  
Branch**