

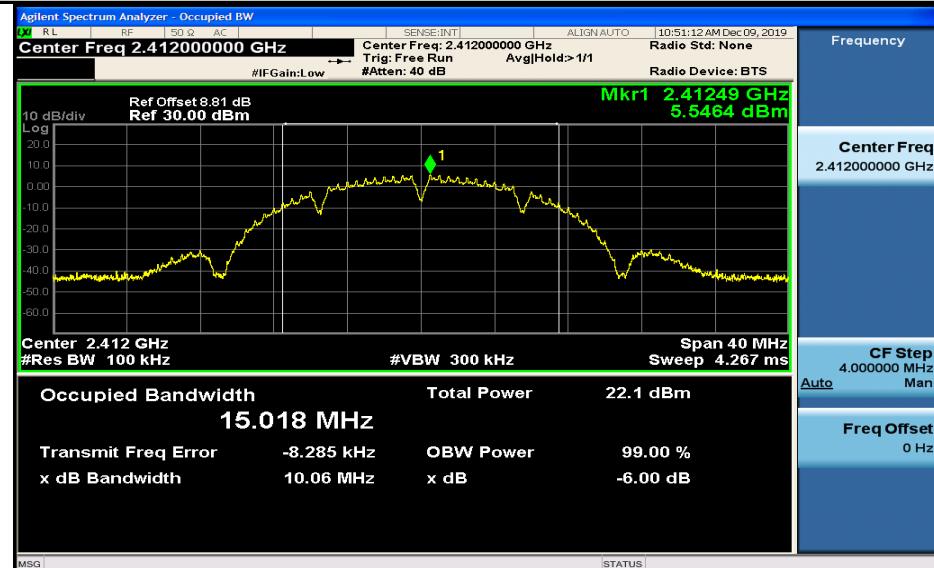


Appendix A for SHEM191201934401

1.6dB Bandwidth

Test Mode	Test	EBW[MHz]		Limit	Verdict
		Ant1	Ant2		
11B	2412	10.06	10.06	0.5	PASS
11B	2437	10.07	10.06	0.5	PASS
11B	2462	10.05	10.04	0.5	PASS
11G	2412	16.58	16.53	0.5	PASS
11G	2437	16.57	16.59	0.5	PASS
11G	2462	16.58	16.59	0.5	PASS
11N20SISO	2412	17.82	17.82	0.5	PASS
11N20SISO	2437	17.80	17.81	0.5	PASS
11N20SISO	2462	17.80	17.80	0.5	PASS
11N40SISO	2422	36.42	36.41	0.5	PASS
11N40SISO	2437	36.41	36.40	0.5	PASS
11N40SISO	2452	36.39	36.41	0.5	PASS

## 6dB Bandwidth\_11B\_2412\_Ant1



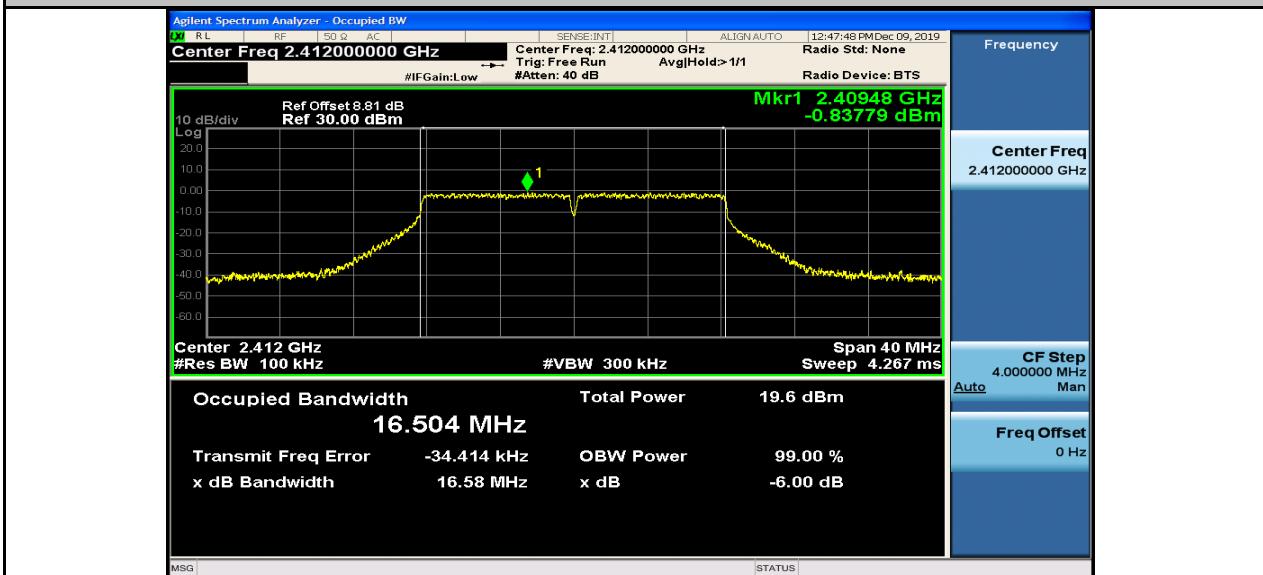
## 6dB Bandwidth\_11B\_2437\_Ant1



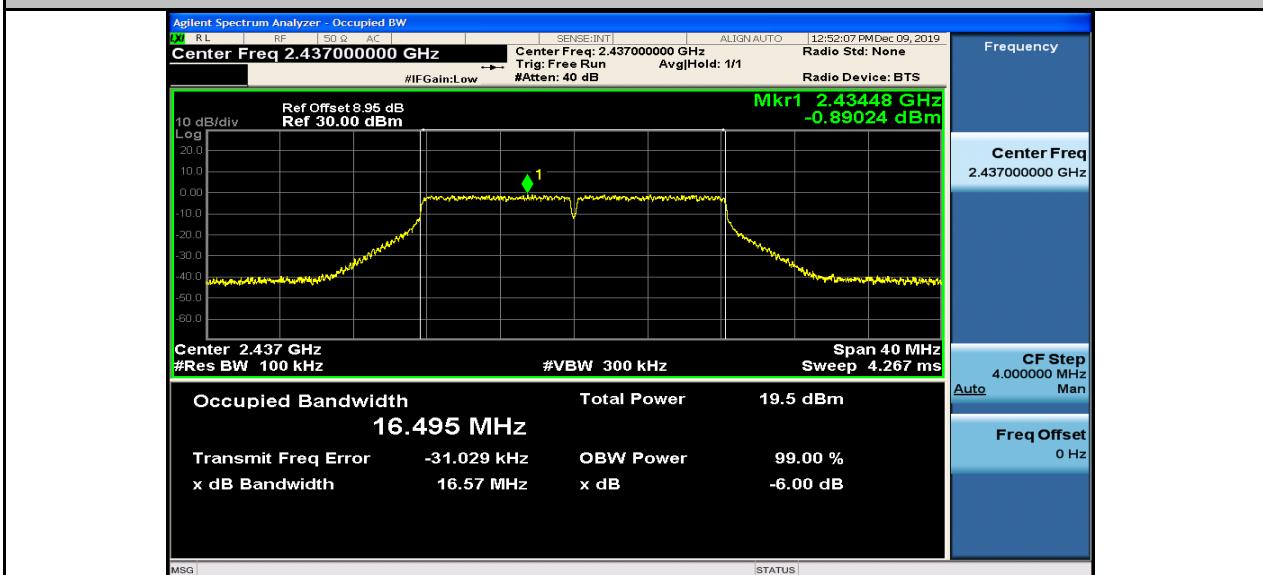
## 6dB Bandwidth\_11B\_2462\_Ant1



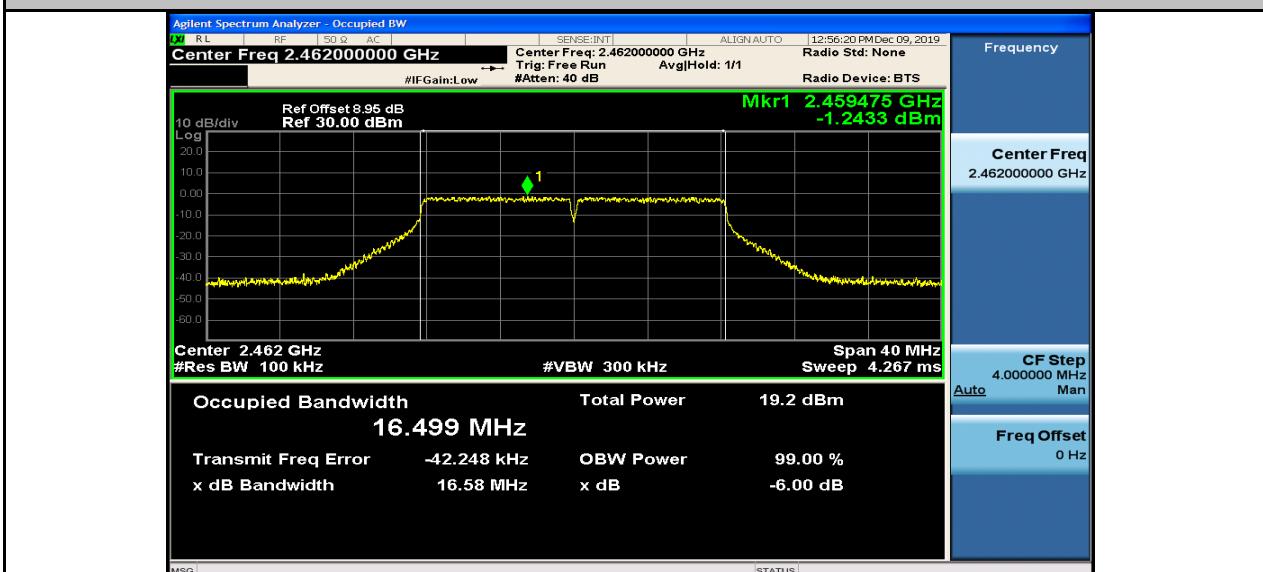
## 6dB Bandwidth\_11G\_2412\_Ant1



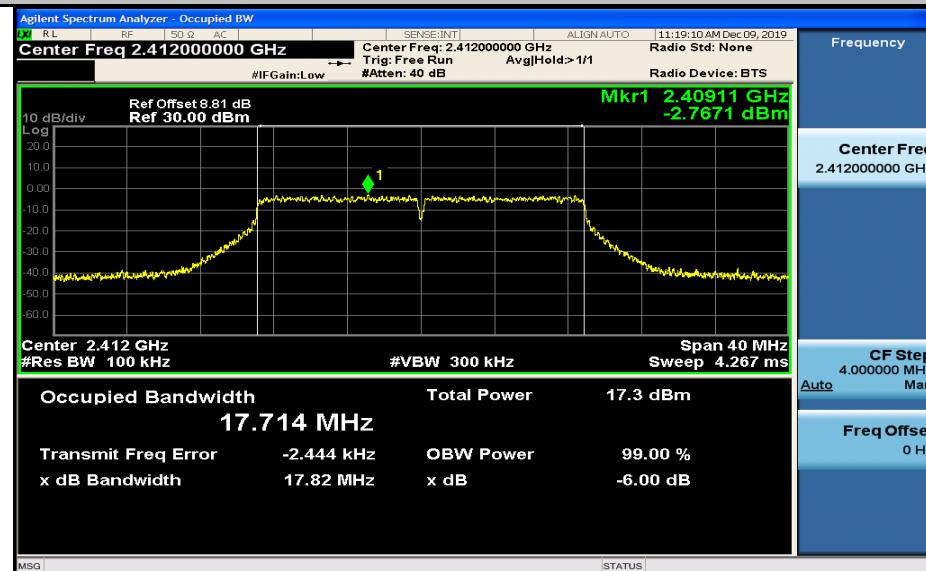
## 6dB Bandwidth\_11G\_2437\_Ant1



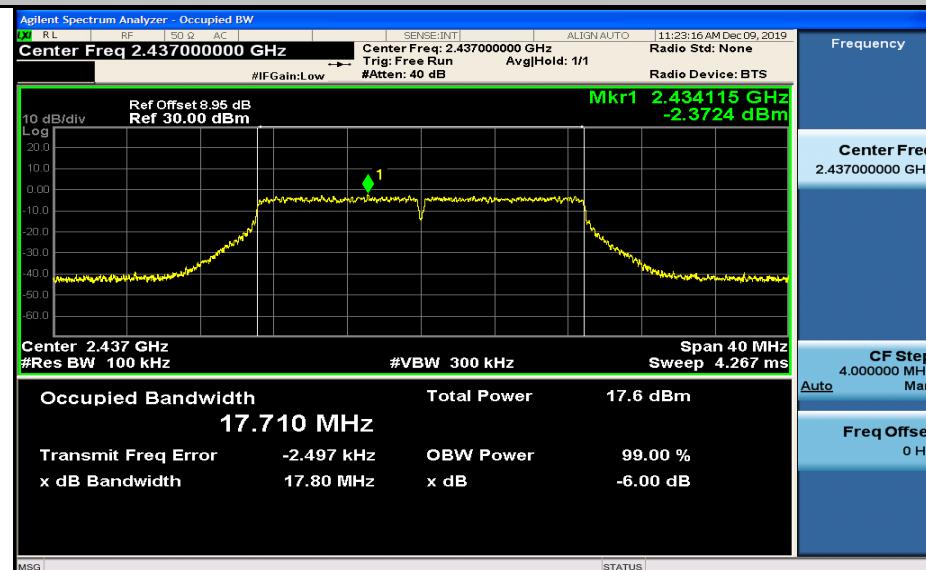
## 6dB Bandwidth\_11G\_2462\_Ant1



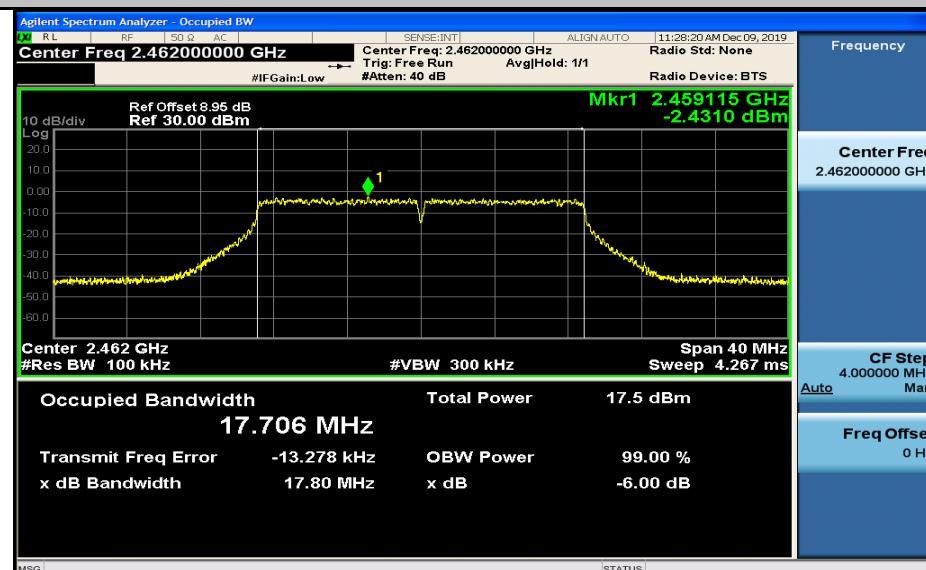
## 6dB Bandwidth\_11N20SISO\_2412\_Ant1



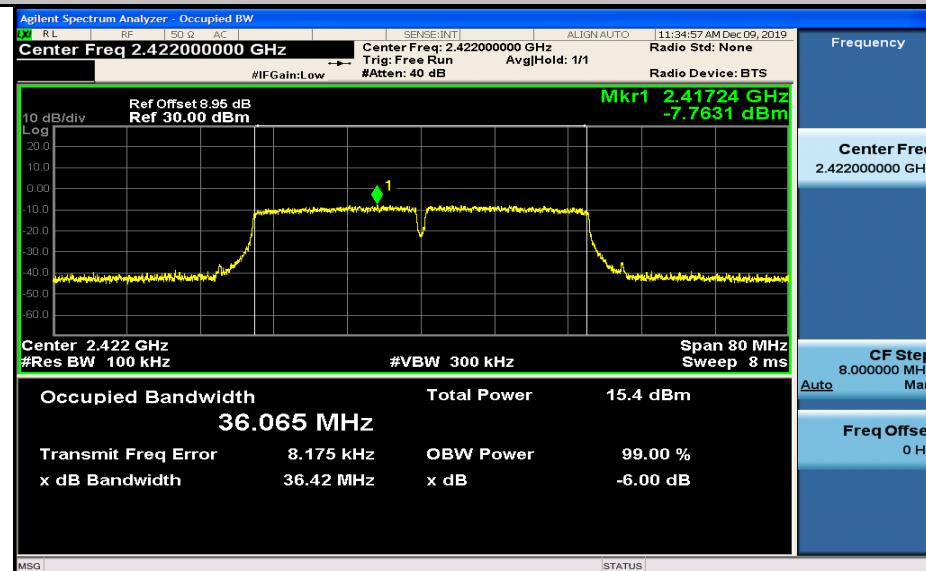
## 6dB Bandwidth\_11N20SISO\_2437\_Ant1



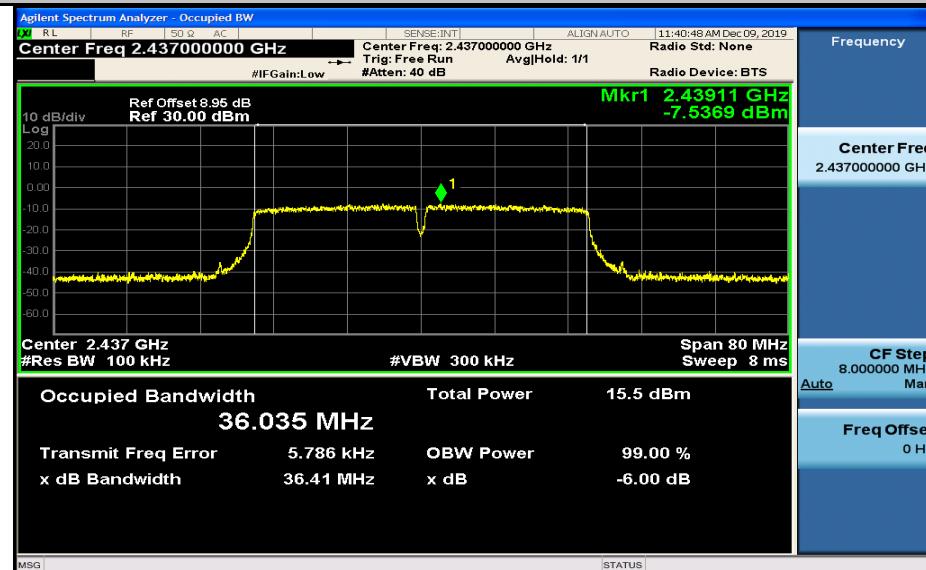
## 6dB Bandwidth\_11N20SISO\_2462\_Ant1



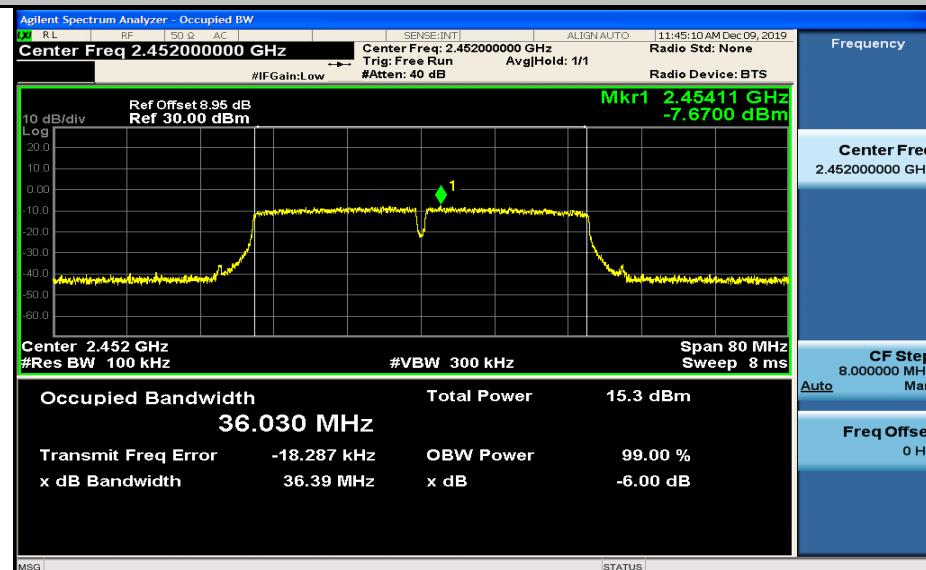
## 6dB Bandwidth\_11N40SISO\_2422\_Ant1



## 6dB Bandwidth\_11N40SISO\_2437\_Ant1



## 6dB Bandwidth\_11N40SISO\_2452\_Ant1



## 6dB Bandwidth\_11B\_2412\_Ant2



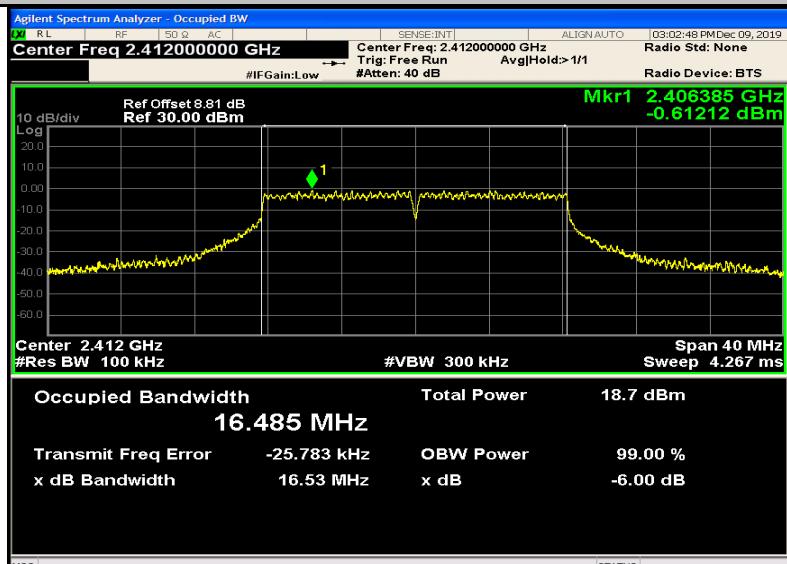
## 6dB Bandwidth\_11B\_2437\_Ant2



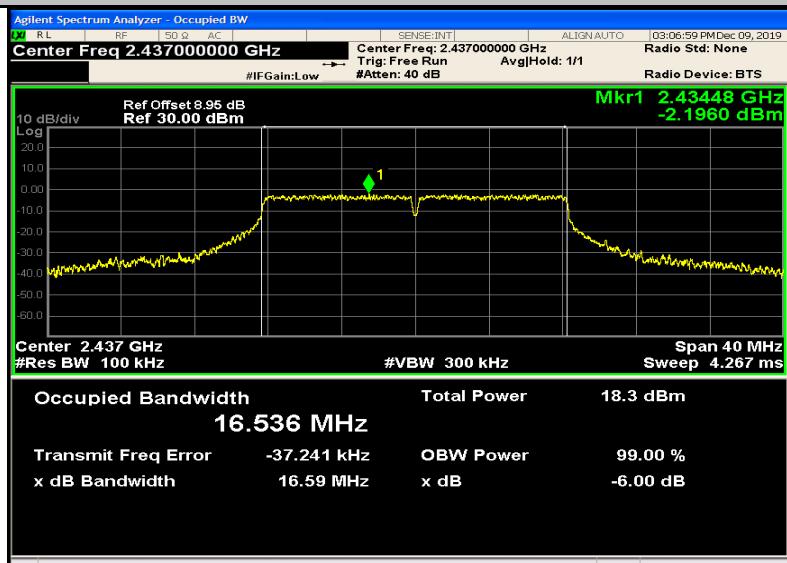
## 6dB Bandwidth\_11B\_2462\_Ant2



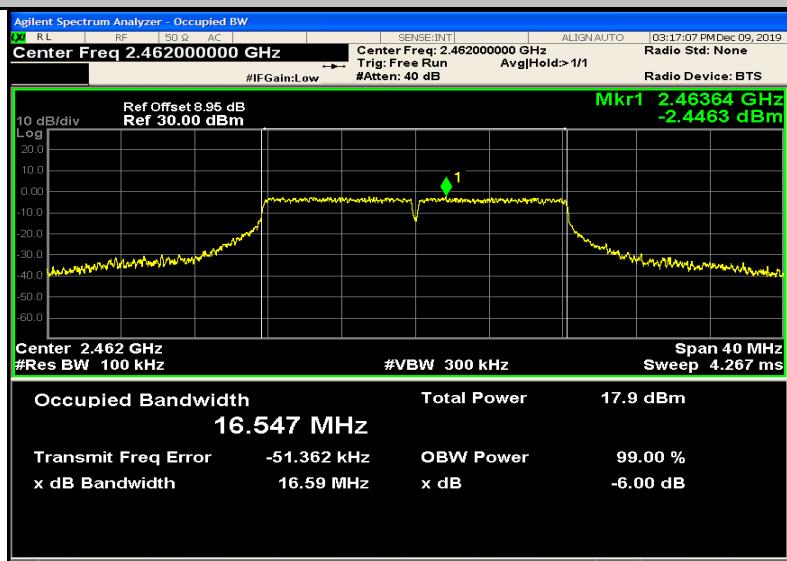
## 6dB Bandwidth\_11G\_2412\_Ant2



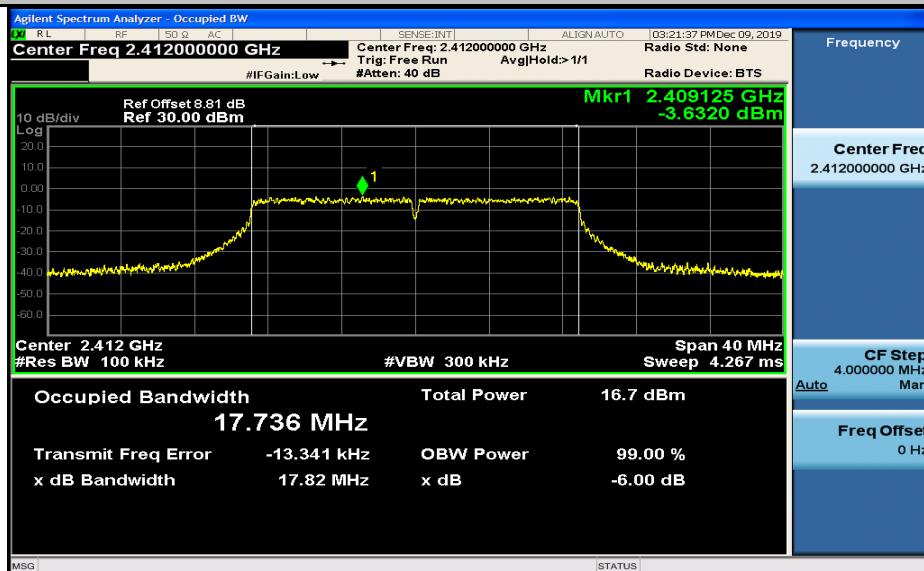
## 6dB Bandwidth\_11G\_2437\_Ant2



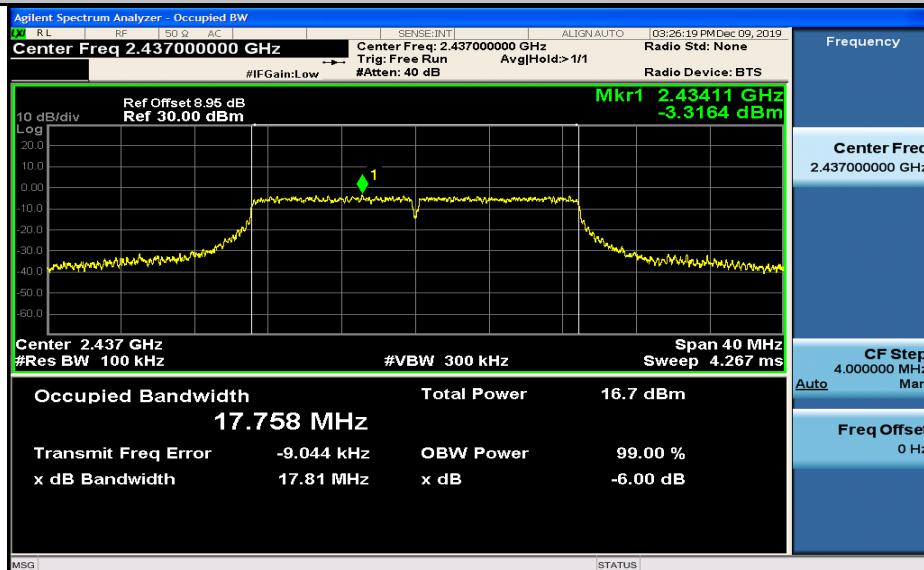
## 6dB Bandwidth\_11G\_2462\_Ant2



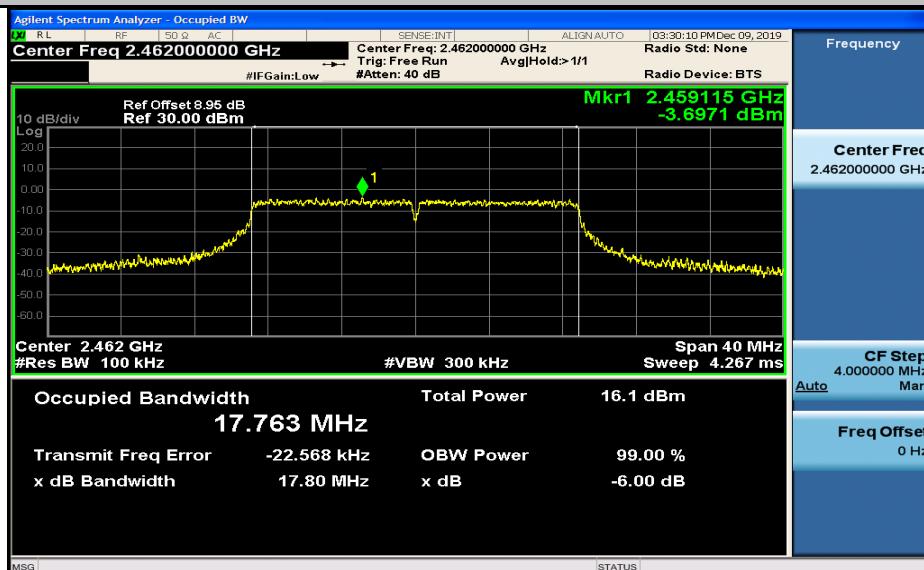
## 6dB Bandwidth\_11N20SISO\_2412\_Ant2



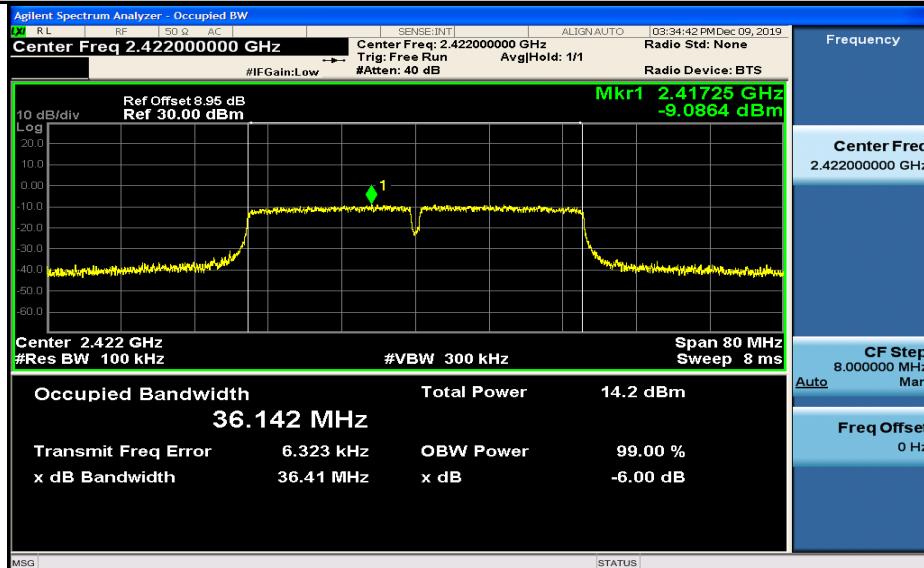
## 6dB Bandwidth\_11N20SISO\_2437\_Ant2



## 6dB Bandwidth\_11N20SISO\_2462\_Ant2



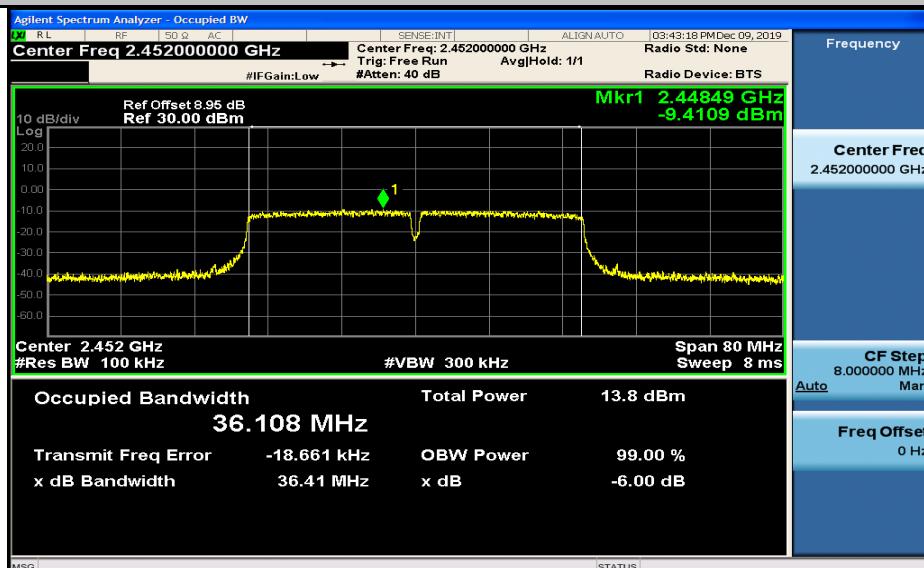
## 6dB Bandwidth\_11N40SISO\_2422\_Ant2



## 6dB Bandwidth\_11N40SISO\_2437\_Ant2



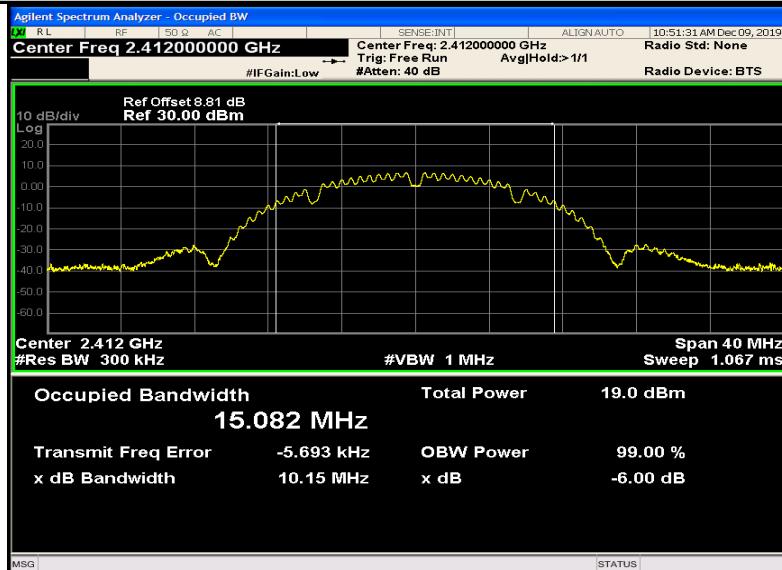
## 6dB Bandwidth\_11N40SISO\_2452\_Ant2



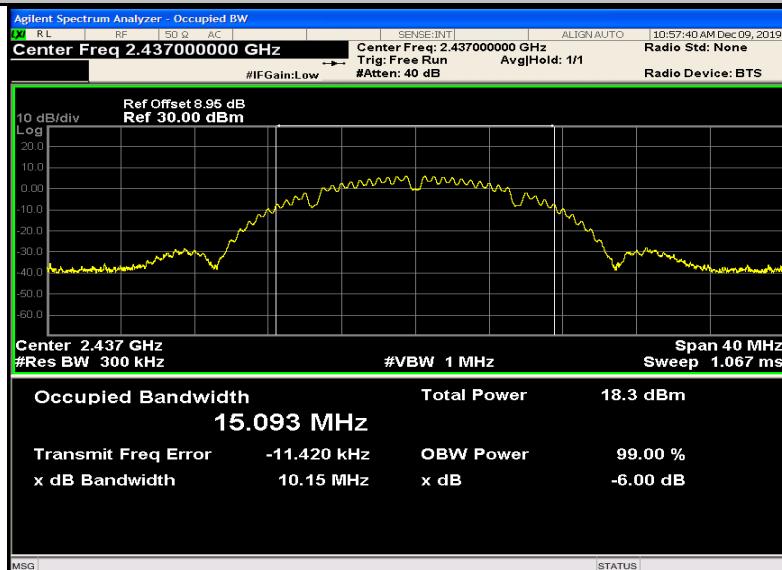


2.Occupied Bandwidth

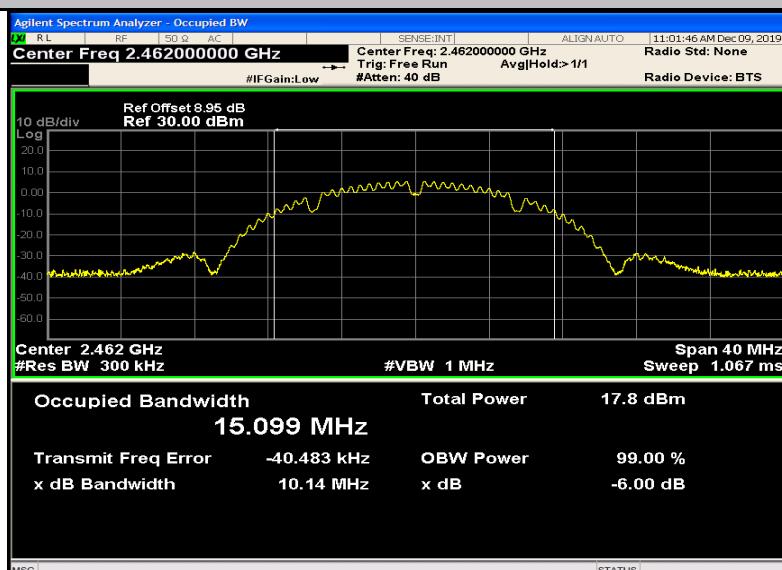
Test Mode	Test Channel	OBW[MHz]		Limit[MHz]	Verdict
		Ant1	Ant2		
11B	2412	15.08	15.06	---	PASS
11B	2437	15.09	15.06	---	PASS
11B	2462	15.10	15.06	---	PASS
11G	2412	16.94	16.83	---	PASS
11G	2437	16.91	17.00	---	PASS
11G	2462	16.93	17.06	---	PASS
11N20SISO	2412	18.02	18.05	---	PASS
11N20SISO	2437	18.01	18.12	---	PASS
11N20SISO	2462	18.00	18.12	---	PASS
11N40SISO	2422	36.52	36.63	---	PASS
11N40SISO	2437	36.47	36.61	---	PASS
11N40SISO	2452	36.44	36.59	---	PASS

**Occupied Bandwidth\_11B\_2412\_Ant1**

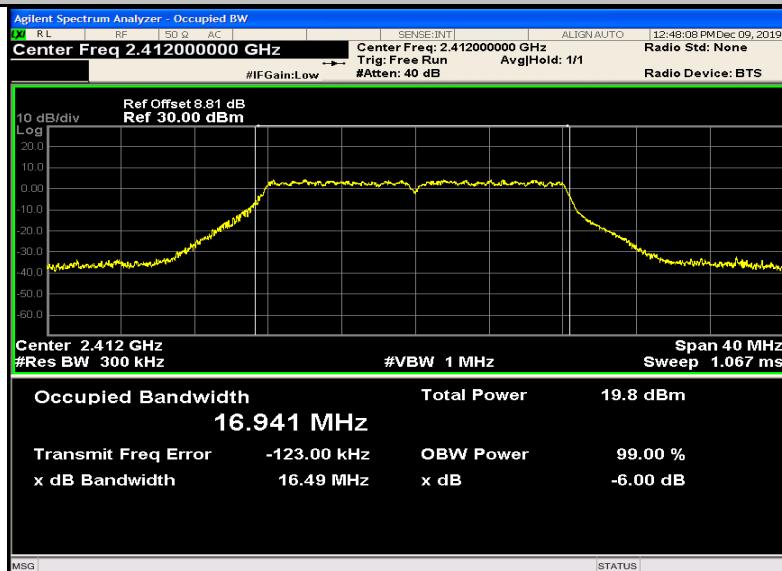
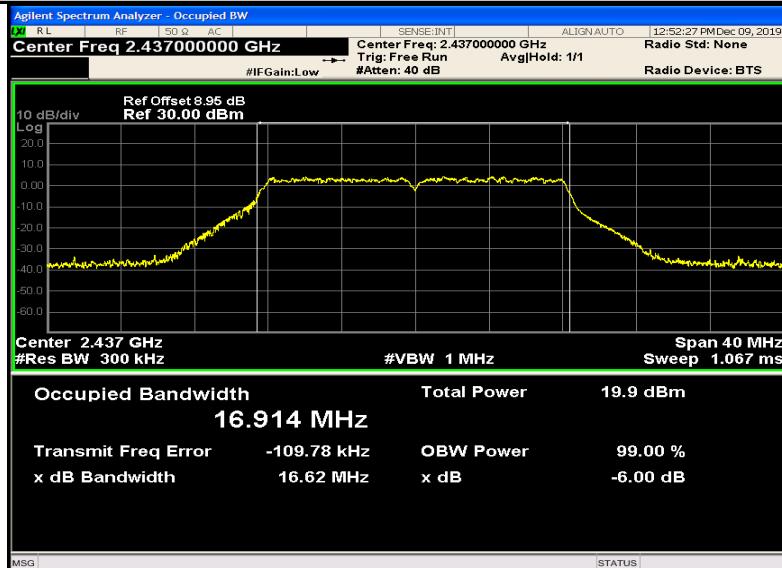
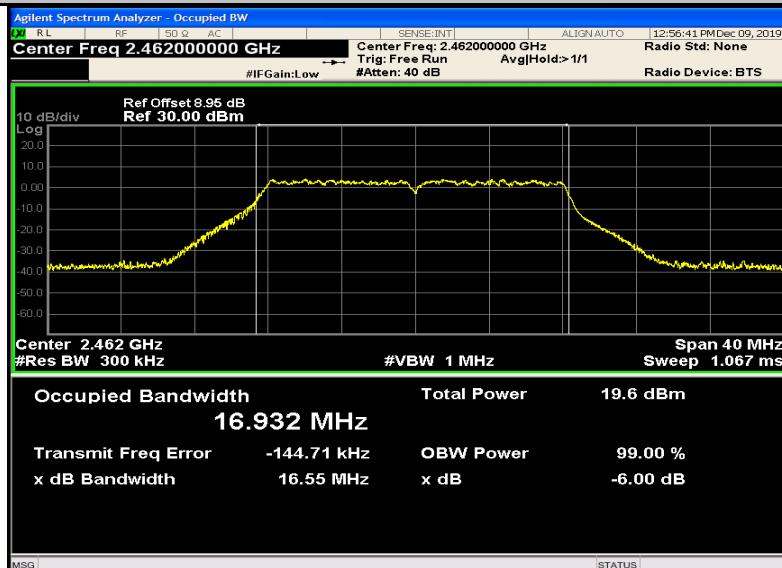
Frequency  
Center Freq 2.412000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

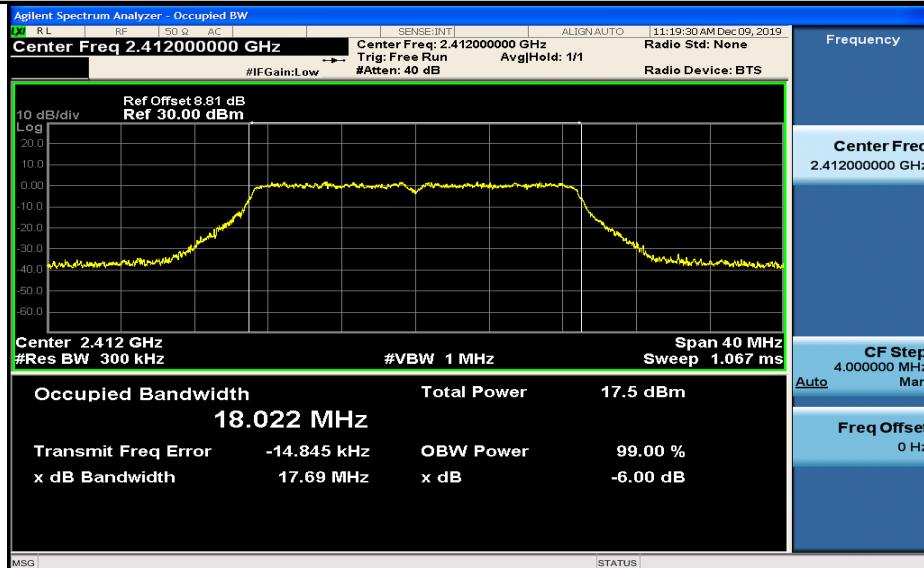
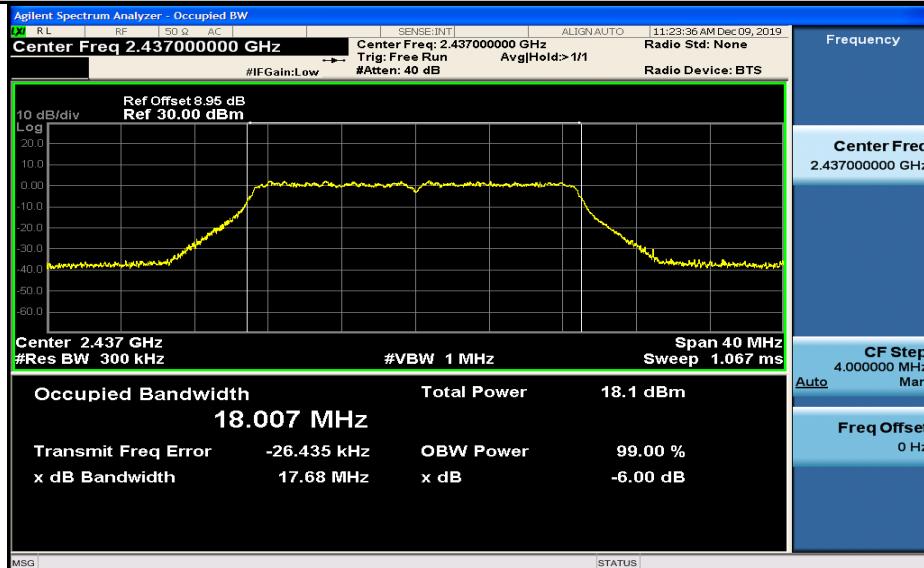
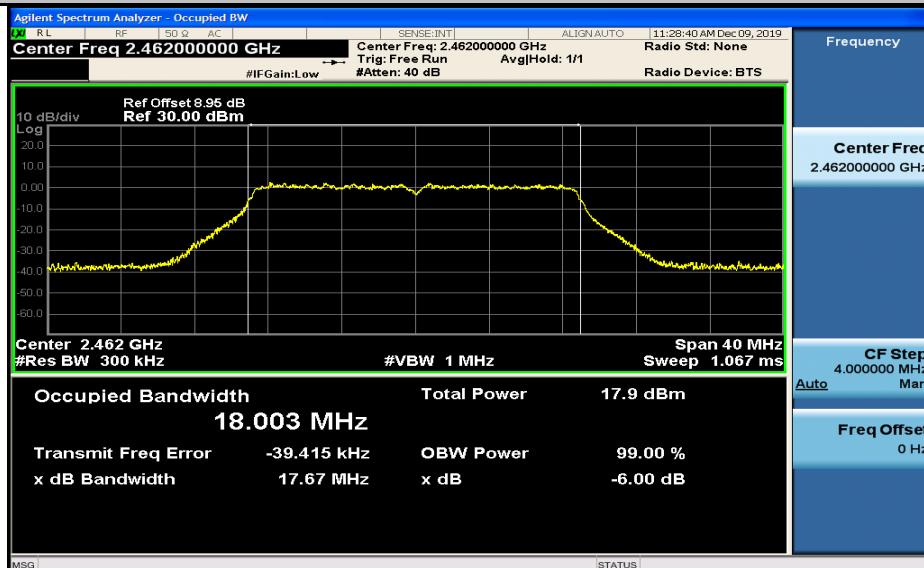
**Occupied Bandwidth\_11B\_2437\_Ant1**

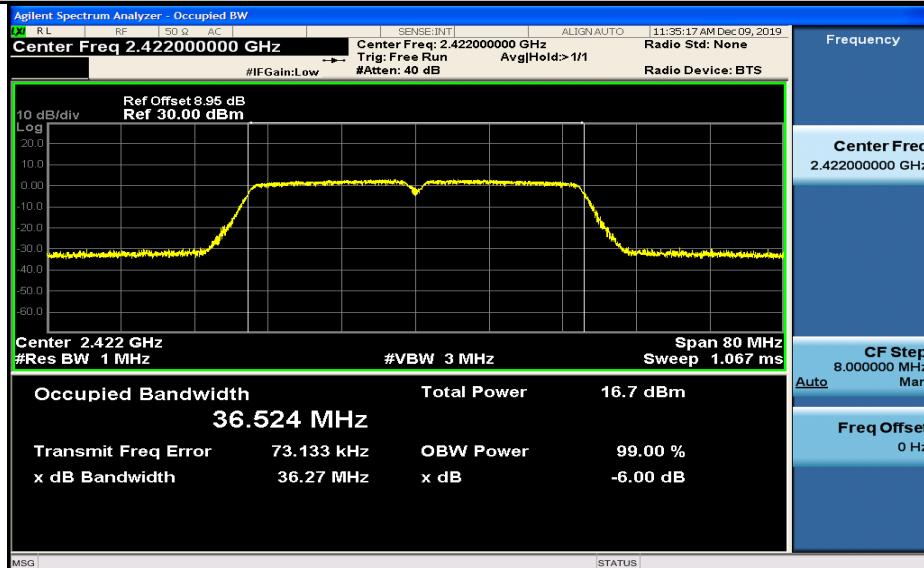
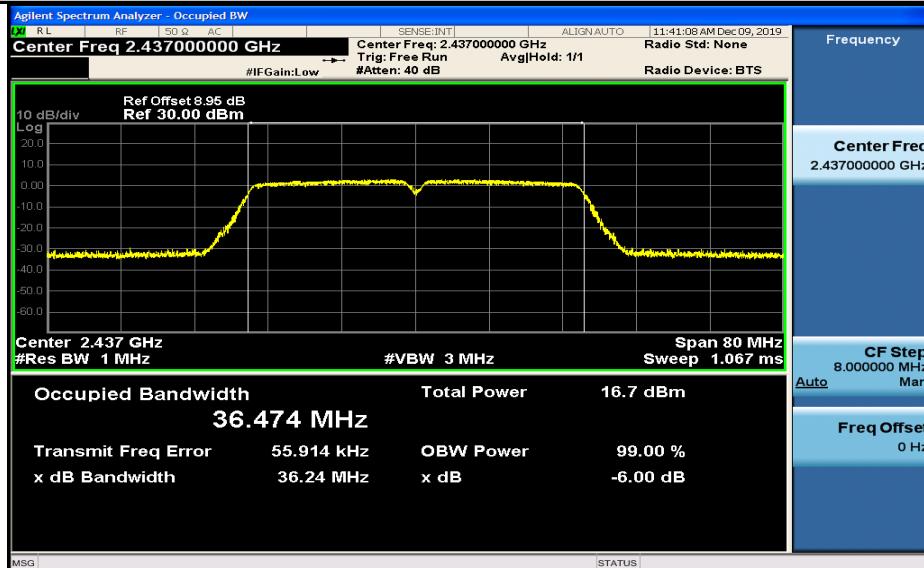
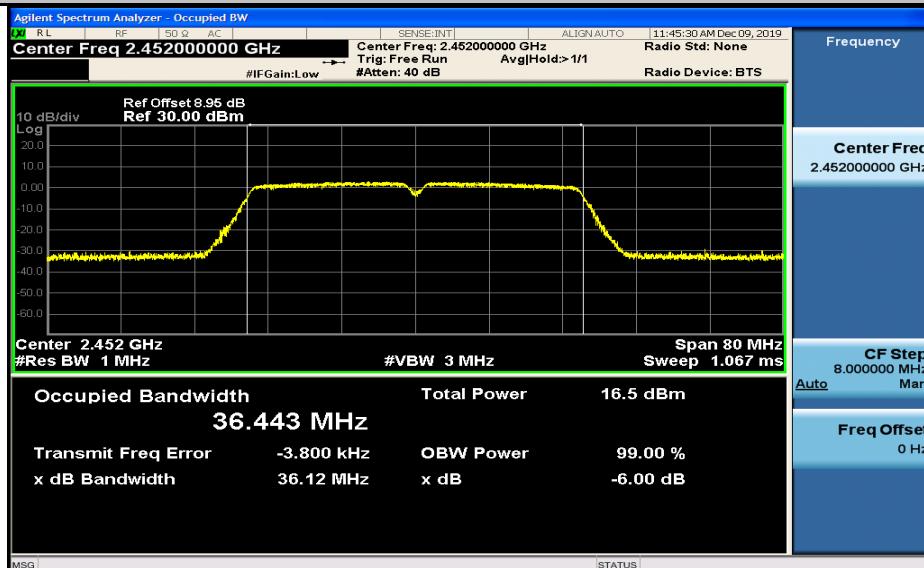
Frequency  
Center Freq 2.437000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

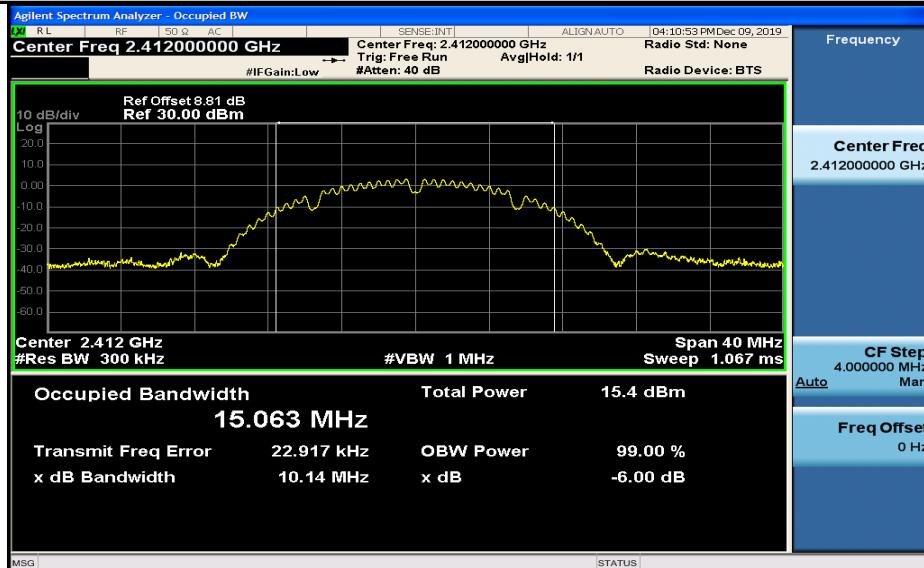
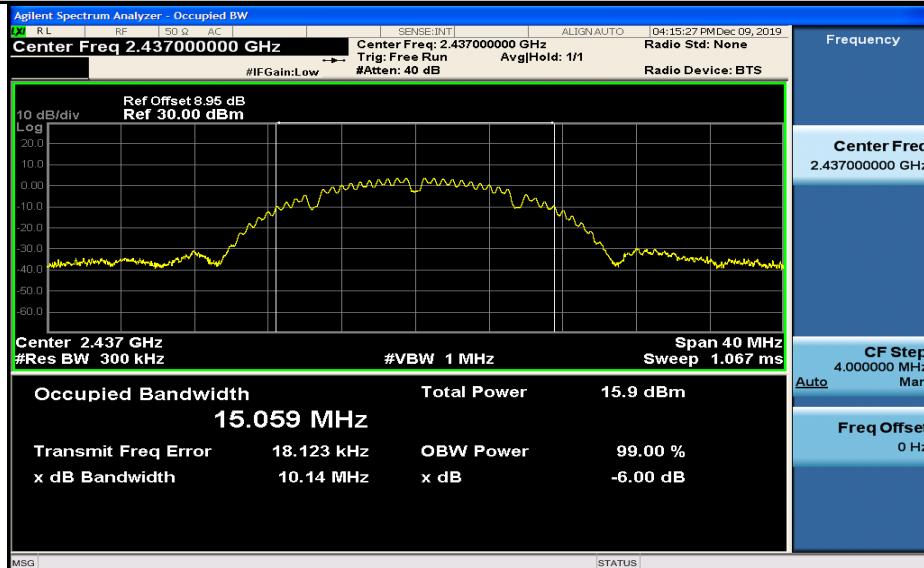
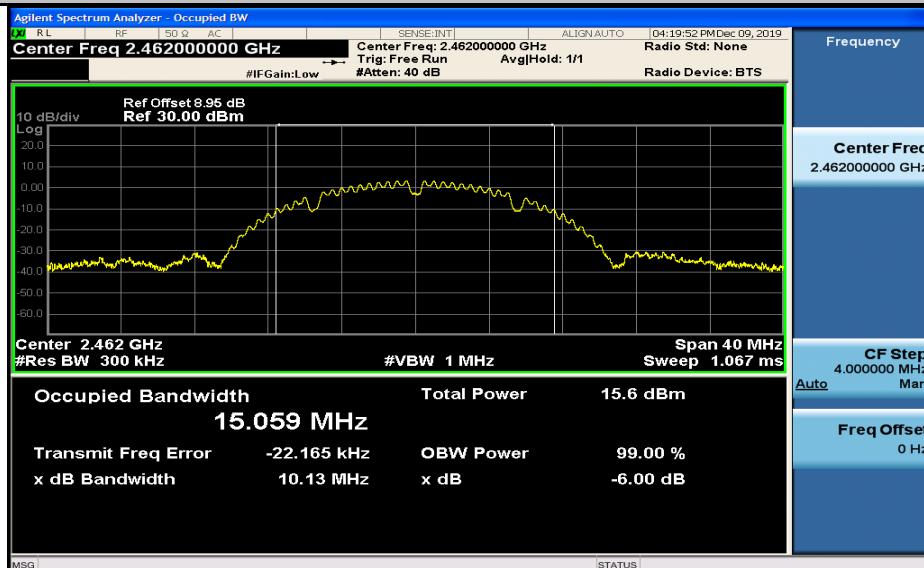
**Occupied Bandwidth\_11B\_2462\_Ant1**

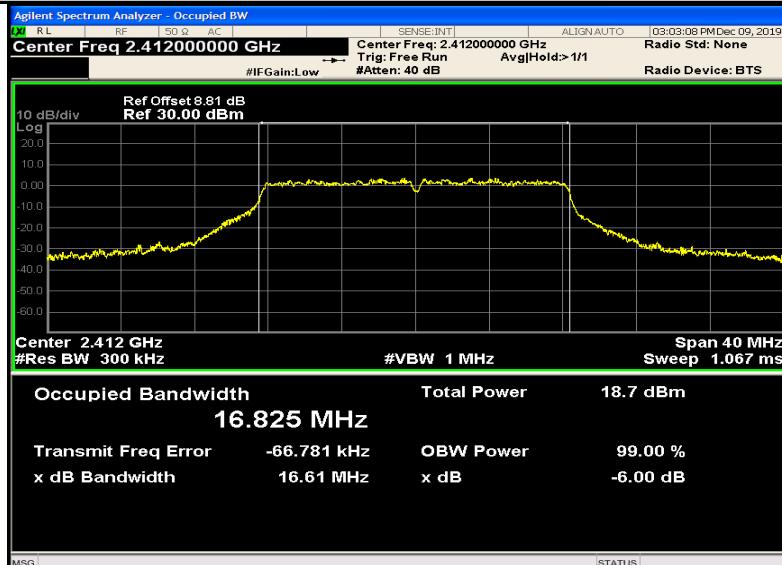
Frequency  
Center Freq 2.462000000 GHz  
CF Step 4.000000 MHz Man  
Auto  
Freq Offset 0 Hz

**Occupied Bandwidth\_11G\_2412\_Ant1****Occupied Bandwidth\_11G\_2437\_Ant1****Occupied Bandwidth\_11G\_2462\_Ant1**

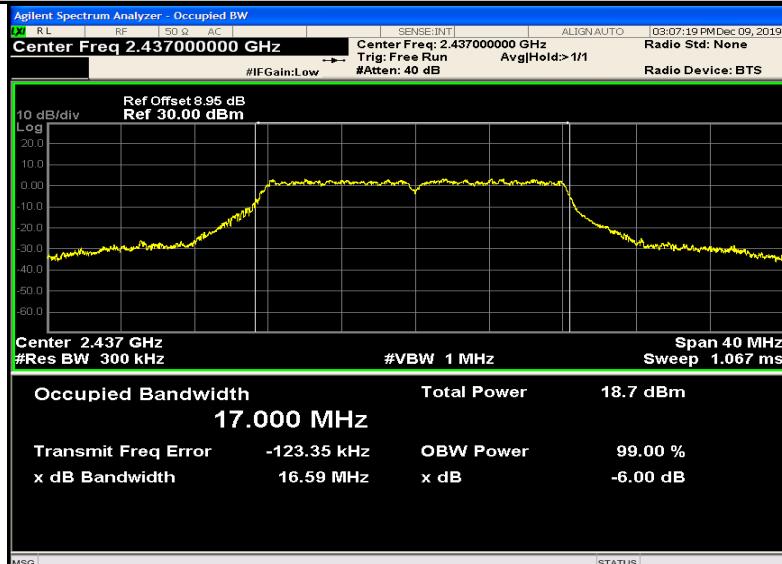
**Occupied Bandwidth\_11N20SISO\_2412\_Ant1****Occupied Bandwidth\_11N20SISO\_2437\_Ant1****Occupied Bandwidth\_11N20SISO\_2462\_Ant1**

**Occupied Bandwidth\_11N40SISO\_2422\_Ant1****Occupied Bandwidth\_11N40SISO\_2437\_Ant1****Occupied Bandwidth\_11N40SISO\_2452\_Ant1**

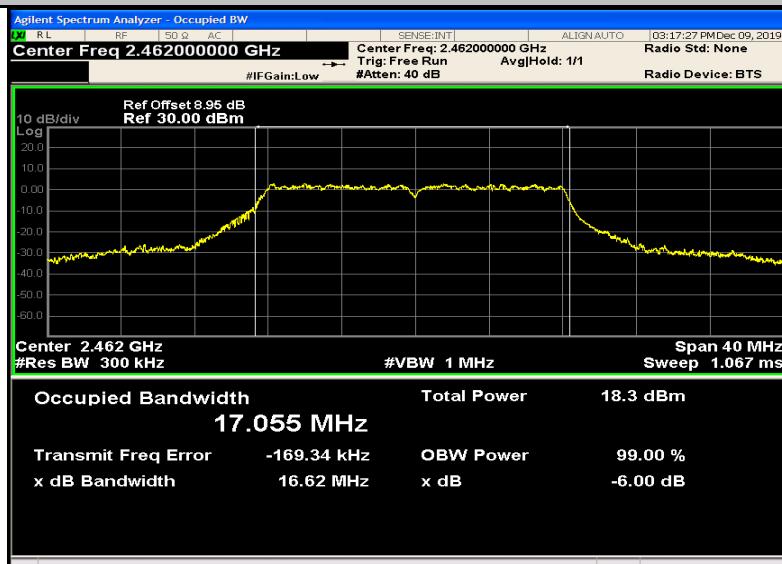
**Occupied Bandwidth\_11B\_2412\_Ant2****Occupied Bandwidth\_11B\_2437\_Ant2****Occupied Bandwidth\_11B\_2462\_Ant2**

**Occupied Bandwidth\_11G\_2412\_Ant2**

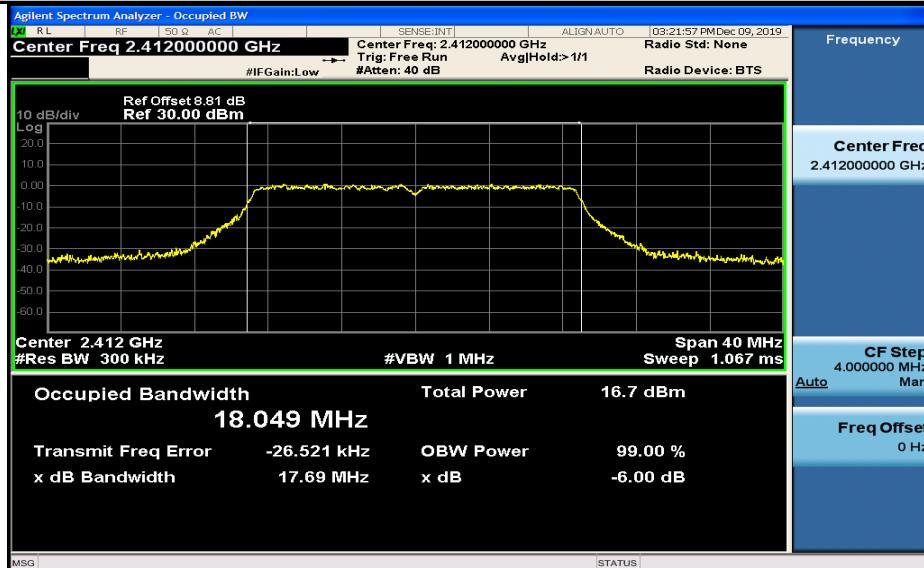
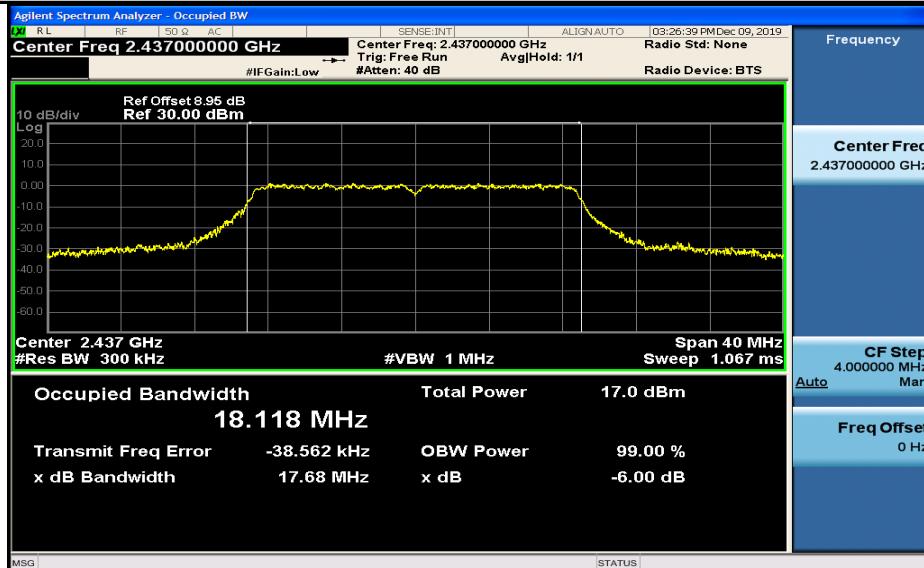
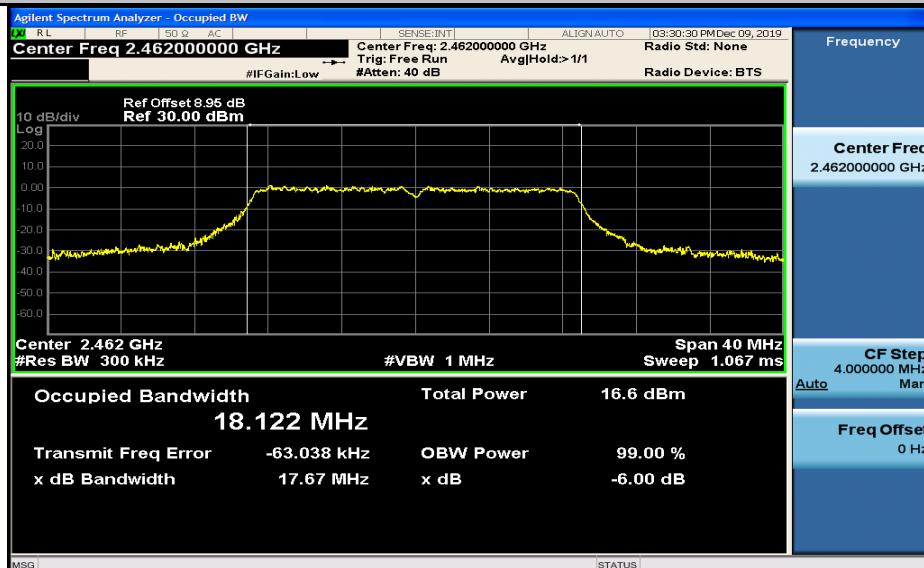
Frequency  
Center Freq 2.412000000 GHz  
CF Step 4.00000 MHz Man  
Auto  
Freq Offset 0 Hz

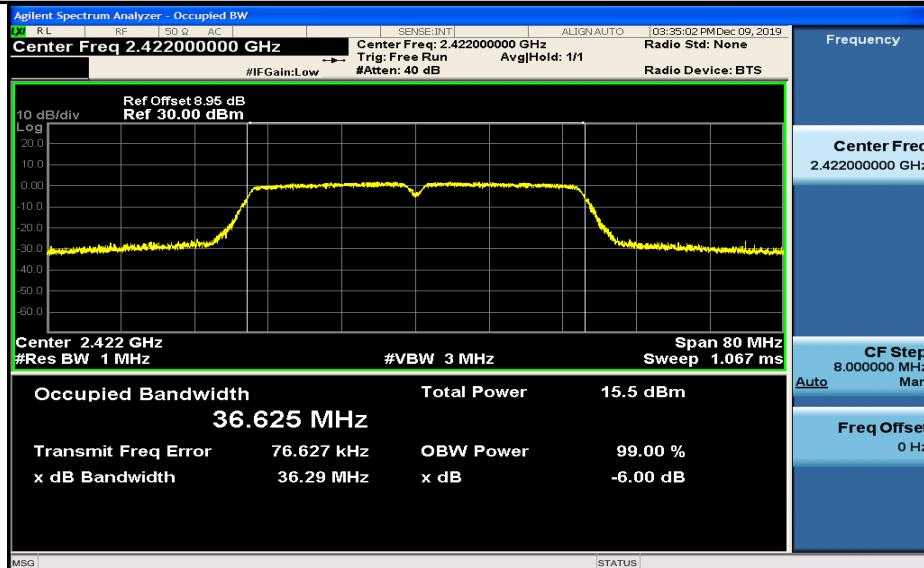
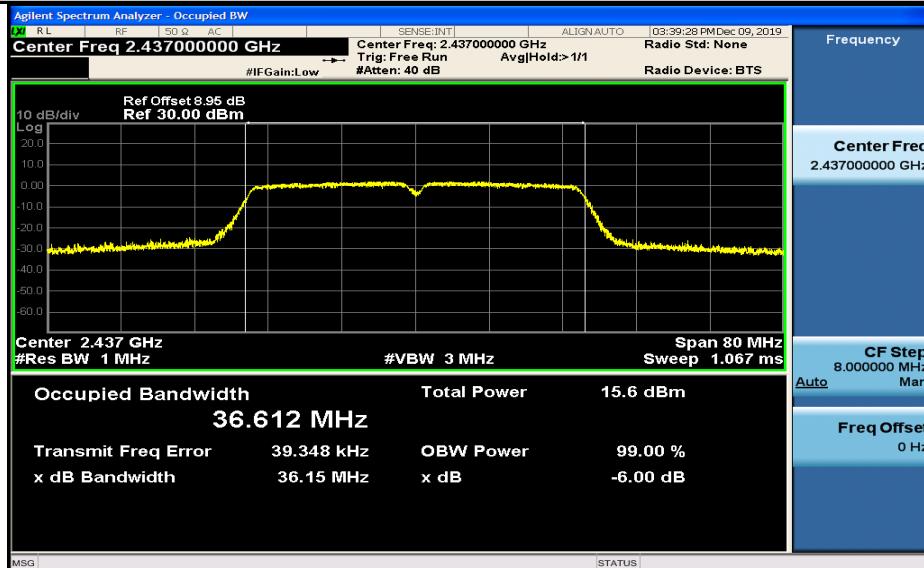
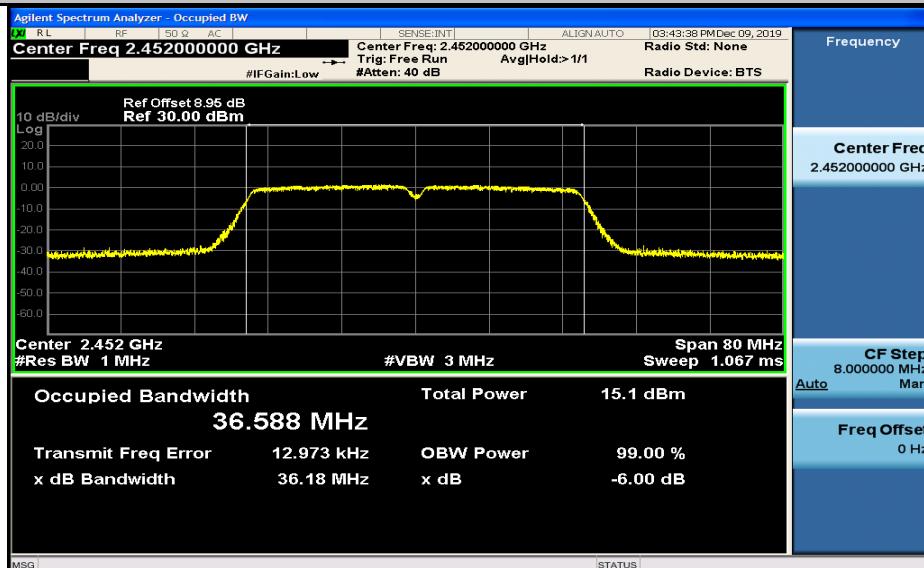
**Occupied Bandwidth\_11G\_2437\_Ant2**

Frequency  
Center Freq 2.437000000 GHz  
CF Step 4.00000 MHz Man  
Auto  
Freq Offset 0 Hz

**Occupied Bandwidth\_11G\_2462\_Ant2**

Frequency  
Center Freq 2.462000000 GHz  
CF Step 4.00000 MHz Man  
Auto  
Freq Offset 0 Hz

**Occupied Bandwidth\_11N20SISO\_2412\_Ant2****Occupied Bandwidth\_11N20SISO\_2437\_Ant2****Occupied Bandwidth\_11N20SISO\_2462\_Ant2**

**Occupied Bandwidth\_11N40SISO\_2422\_Ant2****Occupied Bandwidth\_11N40SISO\_2437\_Ant2****Occupied Bandwidth\_11N40SISO\_2452\_Ant2**

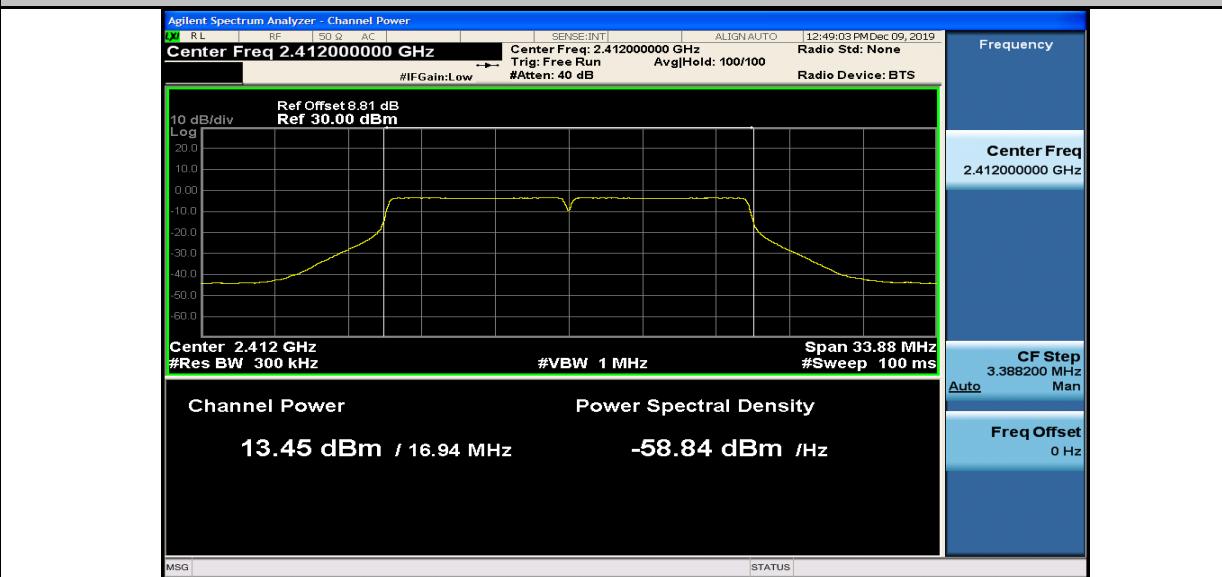


3. Maximum conducted (average) output power

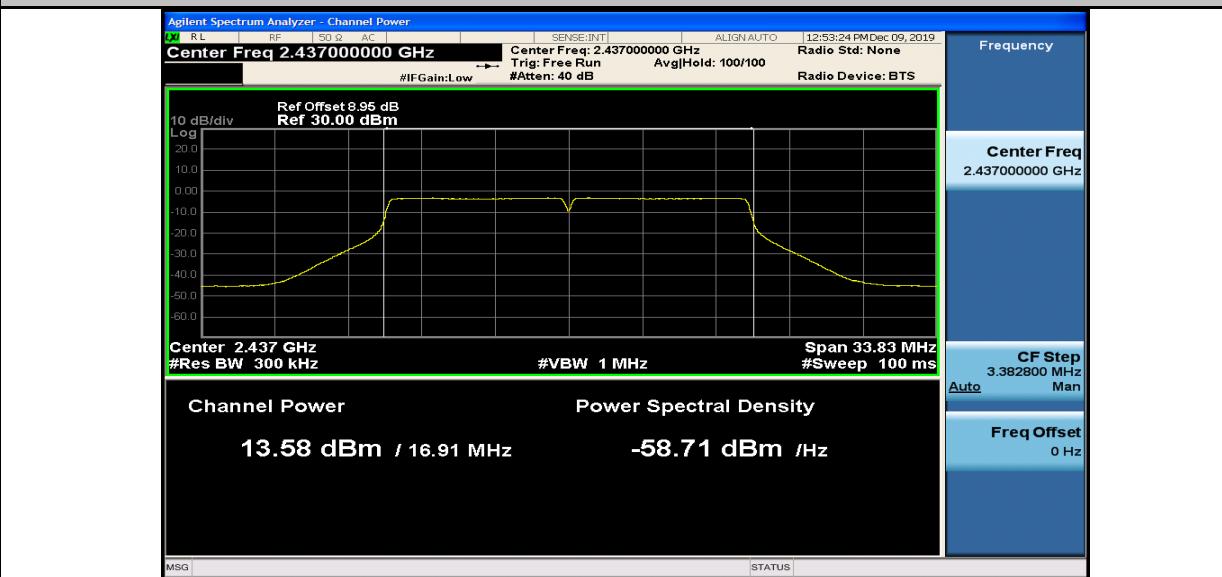
Test Mode	Test Channel	Level [dBm]		10log(1/x) Factor[dB]		Power [dBm]			Limit [dBm]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	15.01	11.7	0.00	0.00	15.01	11.7	NA	30	PASS
11B	2437	14.46	12.19	0.00	0.00	14.46	12.19	NA	30	PASS
11B	2462	13.99	11.87	0.00	0.00	13.99	11.87	NA	30	PASS
11G	2412	13.45	11.95	0.00	0.00	13.45	11.95	NA	30	PASS
11G	2437	13.58	12.37	0.00	0.00	13.58	12.37	NA	30	PASS
11G	2462	13.30	12.01	0.00	0.00	13.30	12.01	NA	30	PASS
11N20MIMO	2412	11.49	10.27	0.00	0.00	11.49	10.27	13.93	30	PASS
11N20MIMO	2437	11.79	10.75	0.00	0.00	11.79	10.75	14.31	30	PASS
11N20MIMO	2462	11.60	10.34	0.00	0.00	11.60	10.34	14.03	30	PASS
11N40MIMO	2422	9.44	8.25	0.00	0.00	9.44	8.25	11.90	30	PASS
11N40MIMO	2437	9.52	8.37	0.00	0.00	9.52	8.37	11.99	30	PASS
11N40MIMO	2452	9.30	7.86	0.00	0.00	9.30	7.86	11.65	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**

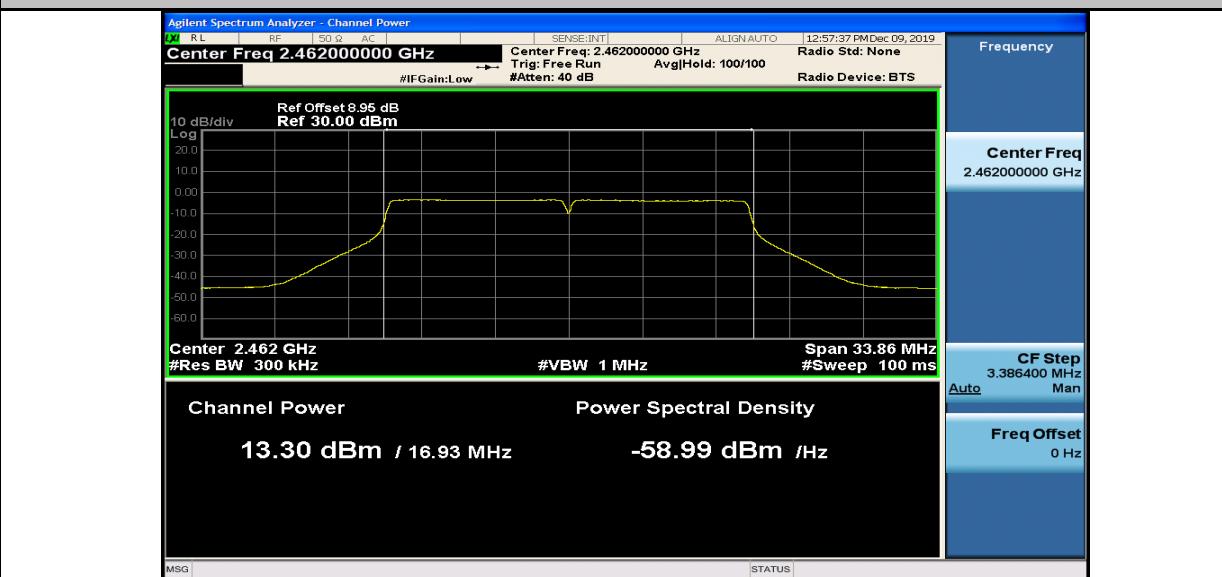
## Maximum conducted (average) output power\_11G\_2412\_Ant1



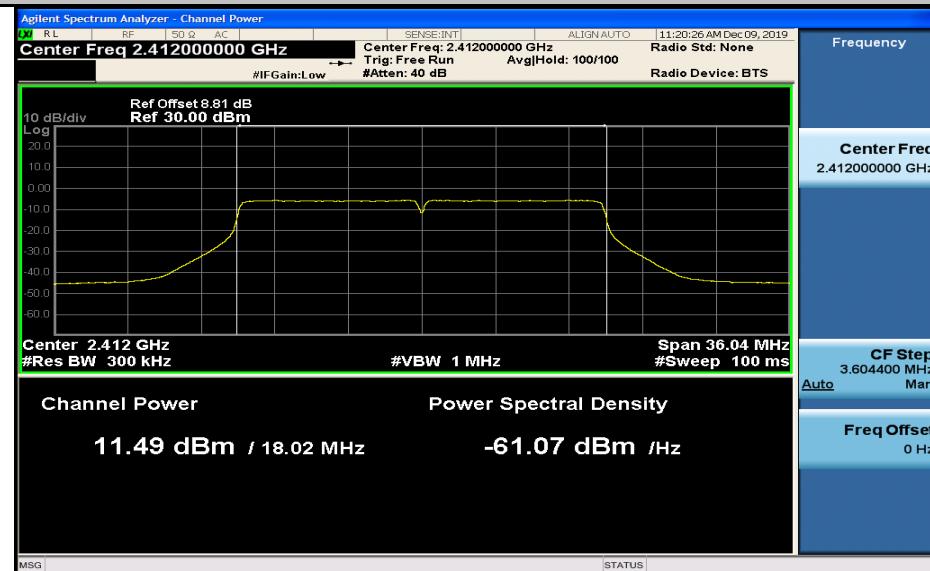
## Maximum conducted (average) output power\_11G\_2437\_Ant1



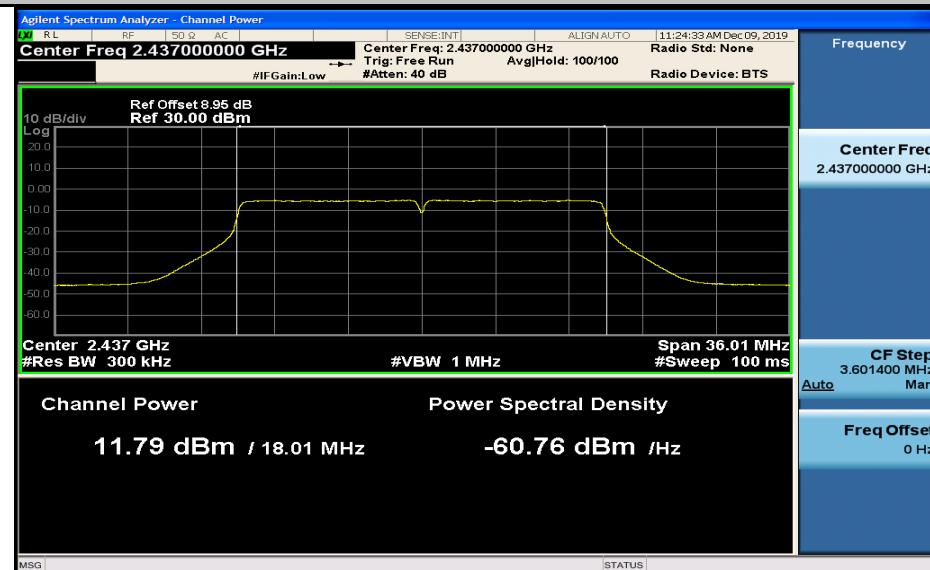
## Maximum conducted (average) output power\_11G\_2462\_Ant1



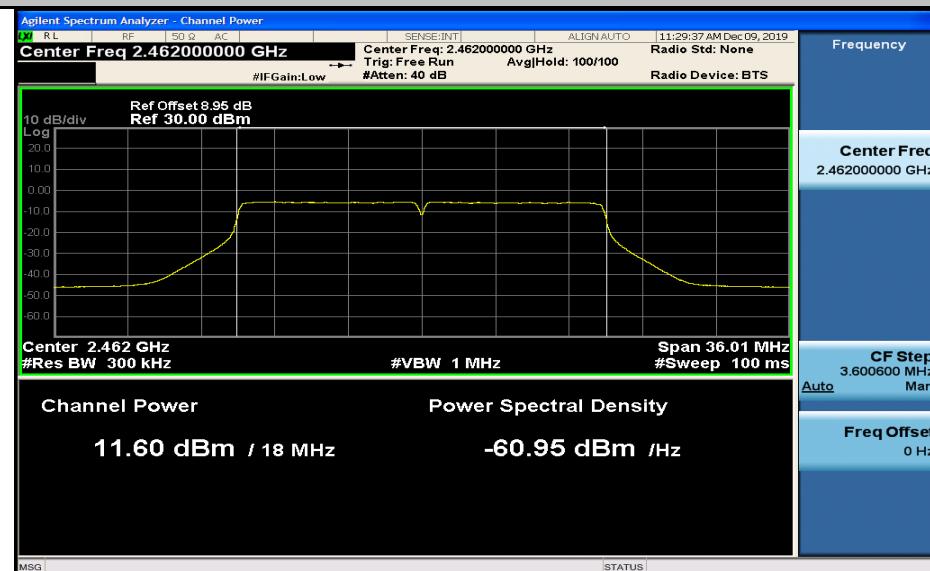
## Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1

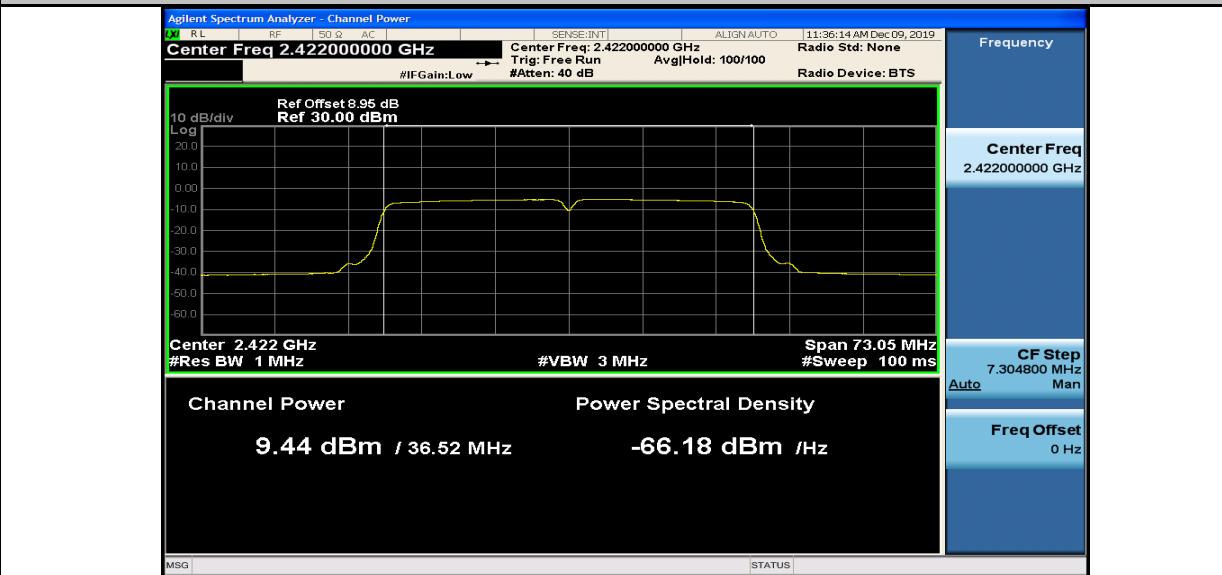
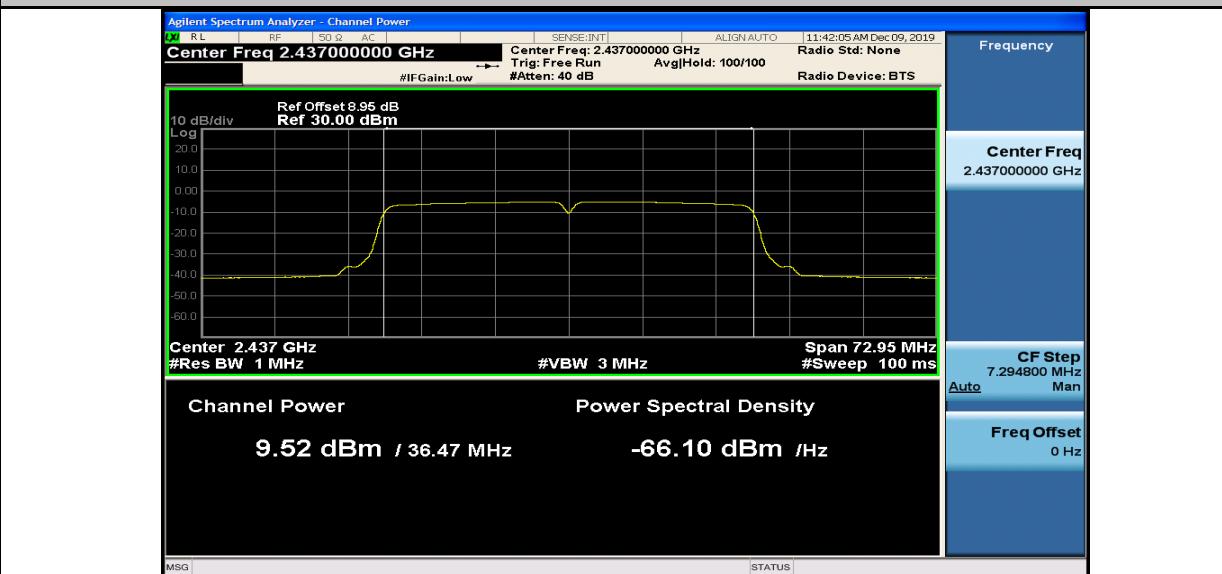
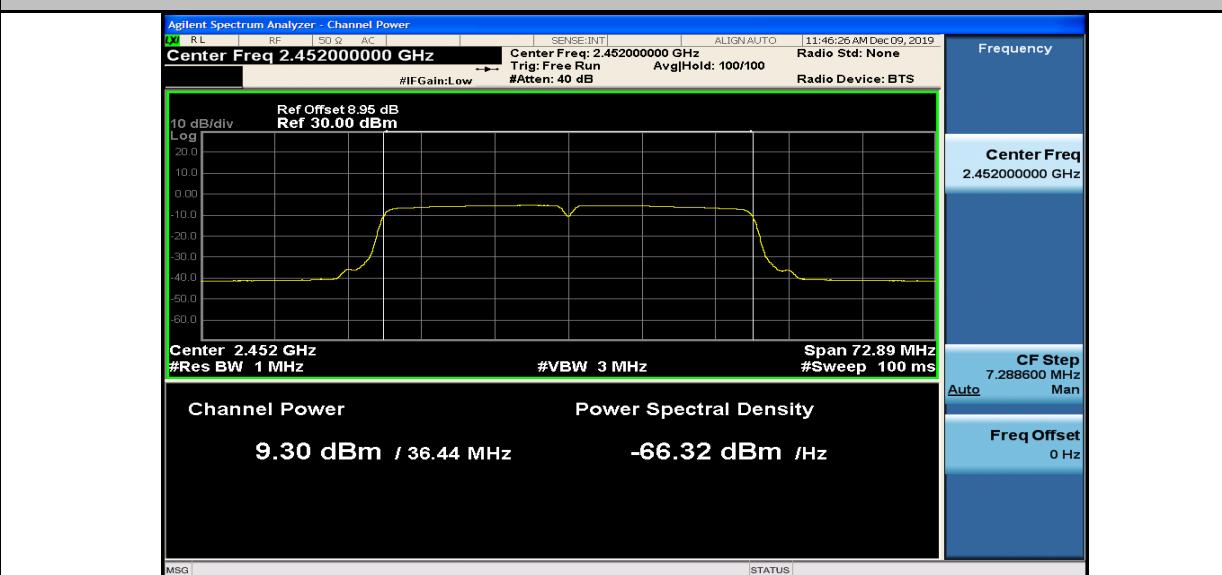


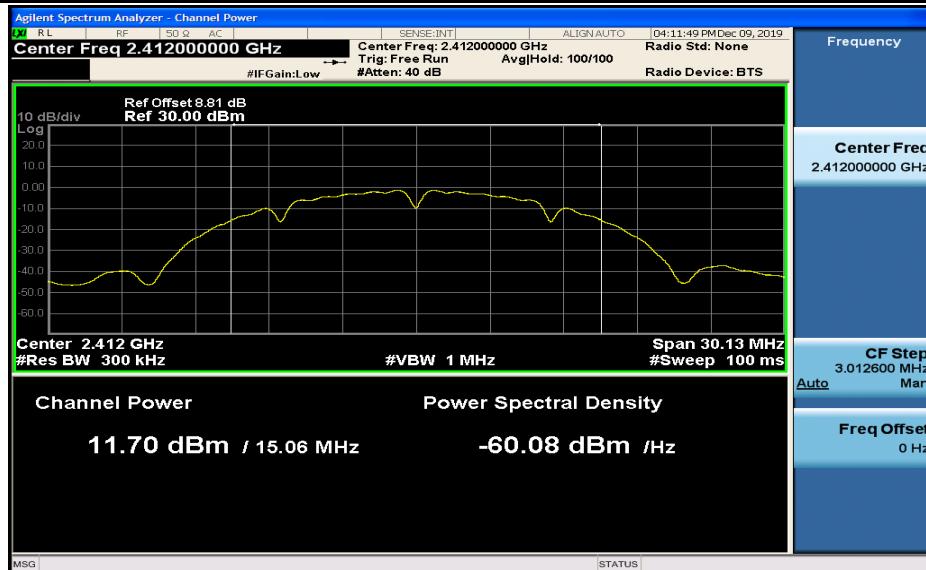
## Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1

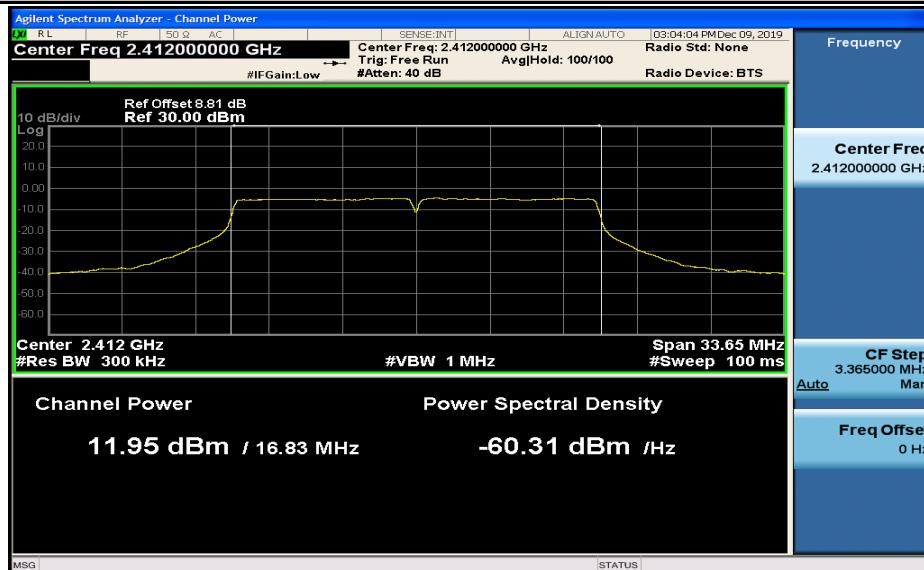
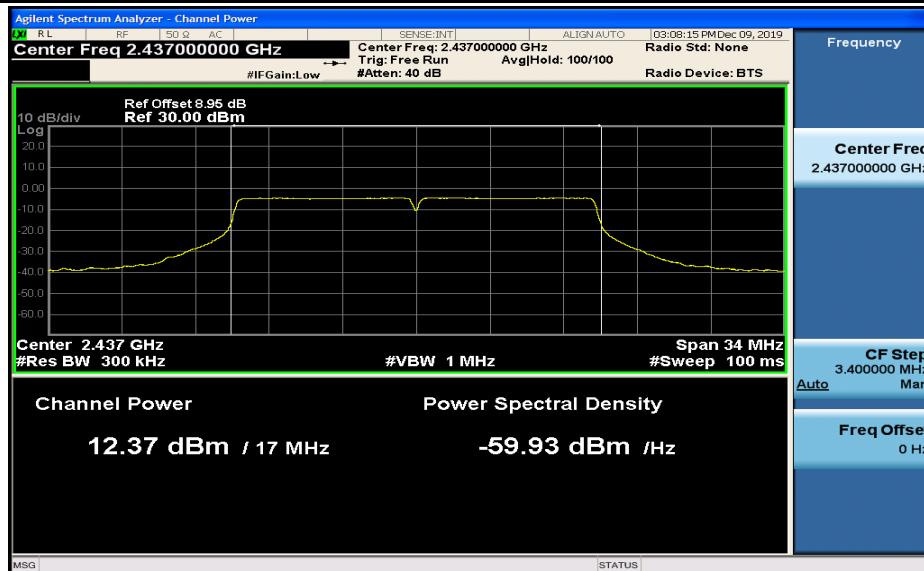
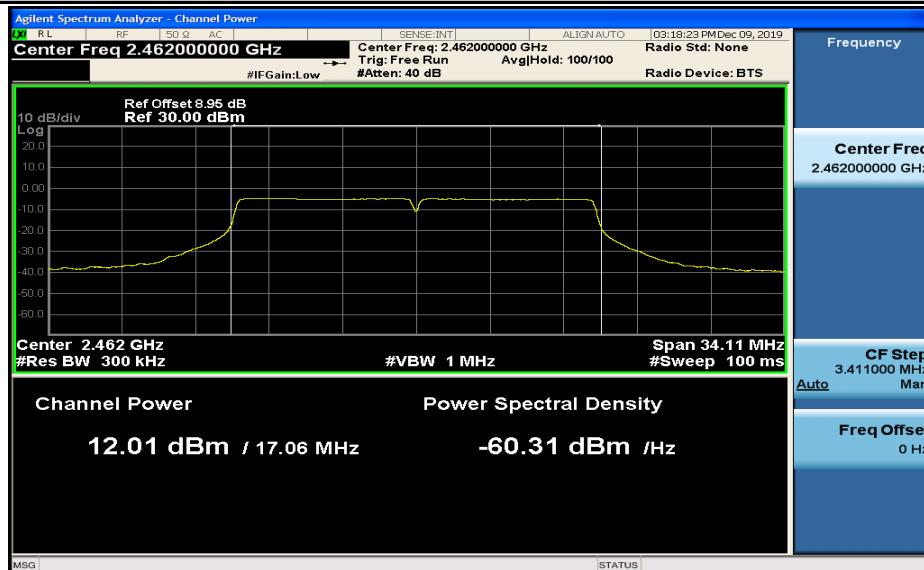


## Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1

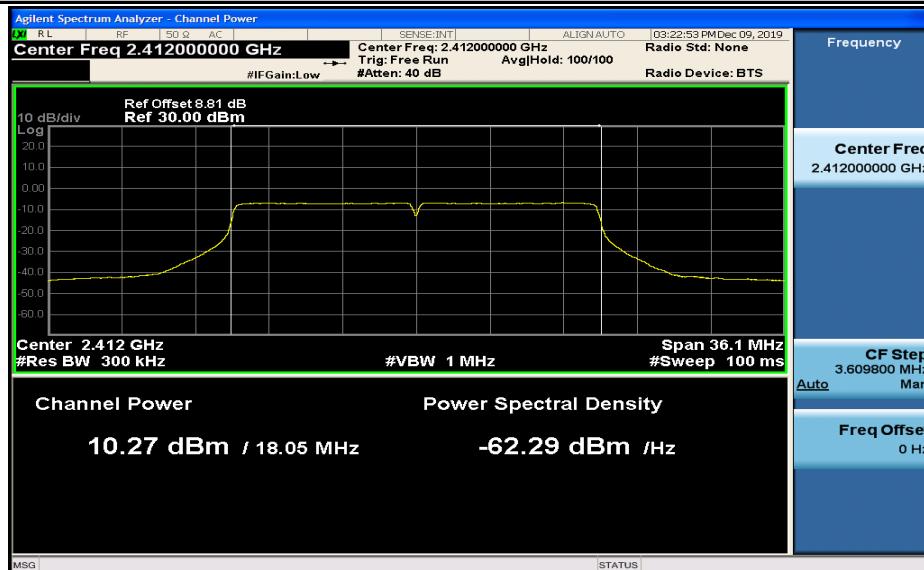


**Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1****Maximum conducted (average) output power\_11N40SISO\_2437\_Ant1****Maximum conducted (average) output power\_11N40SISO\_2452\_Ant1**

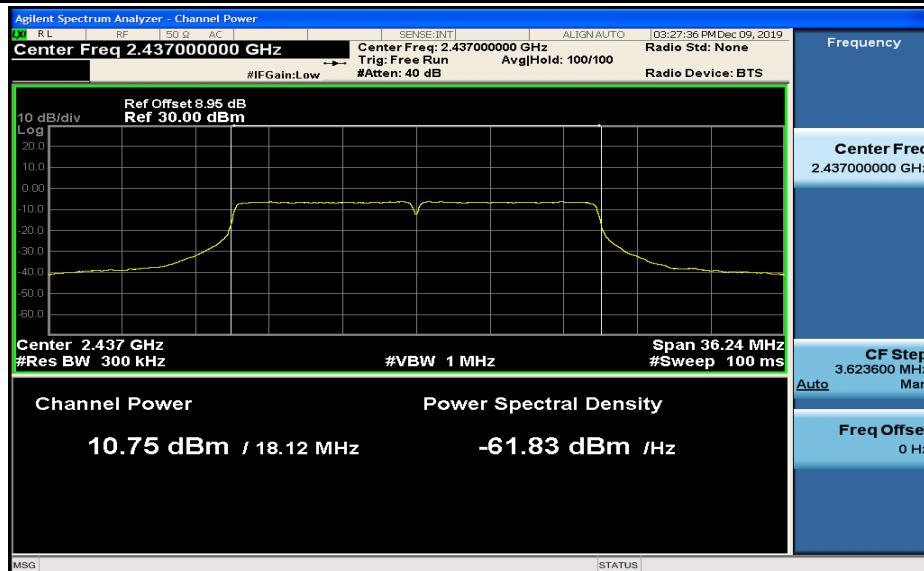
**Maximum conducted (average) output power\_11B\_2412\_Ant2****Maximum conducted (average) output power\_11B\_2437\_Ant2****Maximum conducted (average) output power\_11B\_2462\_Ant2**

**Maximum conducted (average) output power\_11G\_2412\_Ant2****Maximum conducted (average) output power\_11G\_2437\_Ant2****Maximum conducted (average) output power\_11G\_2462\_Ant2**

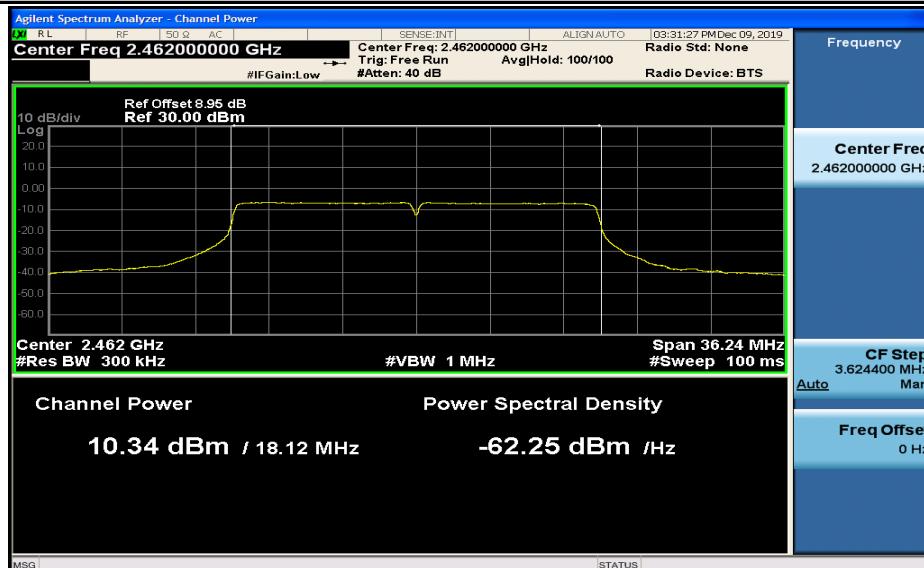
## Maximum conducted (average) output power\_11N20SISO\_2412\_Ant2



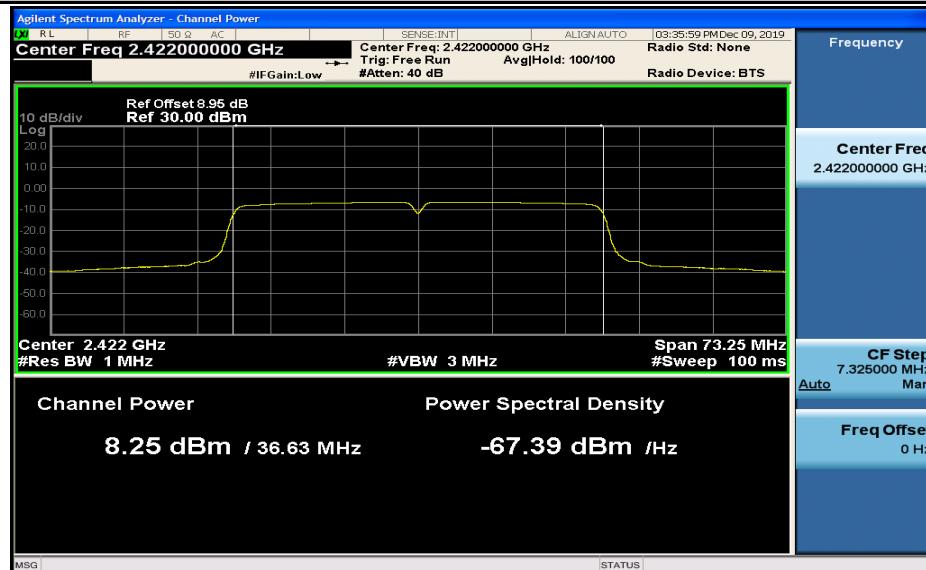
## Maximum conducted (average) output power\_11N20SISO\_2437\_Ant2



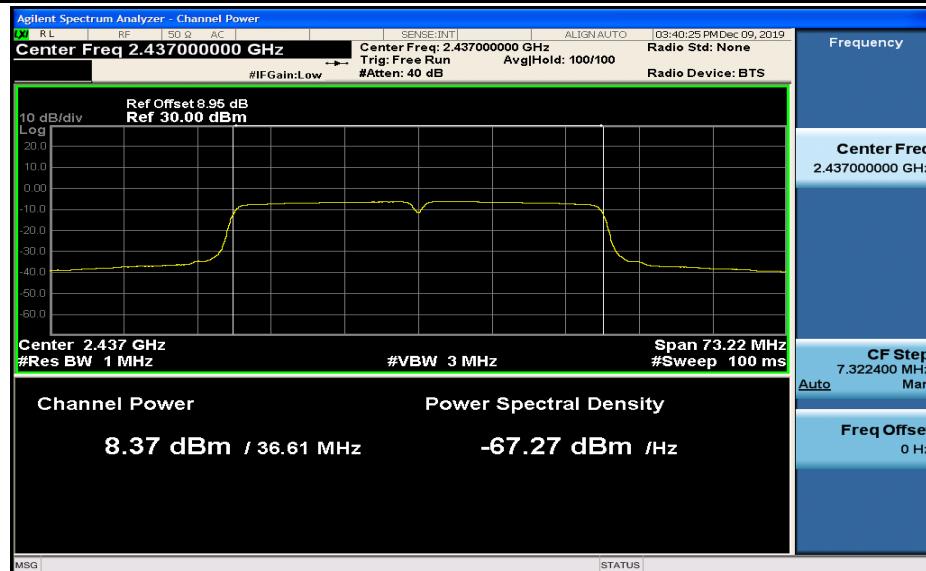
## Maximum conducted (average) output power\_11N20SISO\_2462\_Ant2



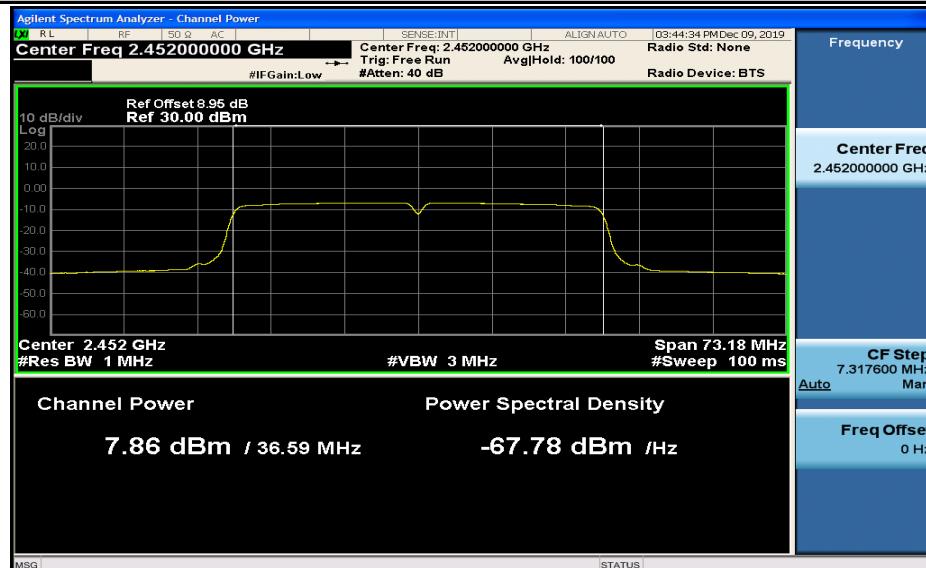
## Maximum conducted (average) output power\_11N40SISO\_2422\_Ant2



## Maximum conducted (average) output power\_11N40SISO\_2437\_Ant2



## Maximum conducted (average) output power\_11N40SISO\_2452\_Ant2





4. Maximum(average) power spectral density

Test Mode	Test Channel	Level [dBm/3kHz]		10log(1/x) Factor[dB]		PSD[dBm/3kHz]			Limit[dBm/3kHz]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	-17.95	-20.96	0.00	0.00	-17.95	-20.96	NA	8.00	PASS
11B	2437	-18.32	-20.52	0.00	0.00	-18.32	-20.52	NA	8.00	PASS
11B	2462	-18.74	-20.83	0.00	0.00	-18.74	-20.83	NA	8.00	PASS
11G	2412	-21.42	-21.00	0.00	0.00	-21.42	-21.00	NA	8.00	PASS
11G	2437	-21.18	-22.41	0.00	0.00	-21.18	-22.41	NA	8.00	PASS
11G	2462	-21.44	-22.77	0.00	0.00	-21.44	-22.77	NA	8.00	PASS
11N20MIMO	2412	-23.63	-25.00	0.00	0.00	-23.63	-25.00	-21.25	8.00	PASS
11N20MIMO	2437	-23.14	-24.25	0.00	0.00	-23.14	-24.25	-20.65	8.00	PASS
11N20MIMO	2462	-23.37	-24.69	0.00	0.00	-23.37	-24.69	-20.97	8.00	PASS
11N40MIMO	2422	-28.72	-30.08	0.00	0.00	-28.72	-30.08	-26.34	8.00	PASS
11N40MIMO	2437	-28.73	-29.98	0.00	0.00	-28.73	-29.98	-26.30	8.00	PASS
11N40MIMO	2452	-28.87	-30.23	0.00	0.00	-28.87	-30.23	-26.49	8.00	PASS

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



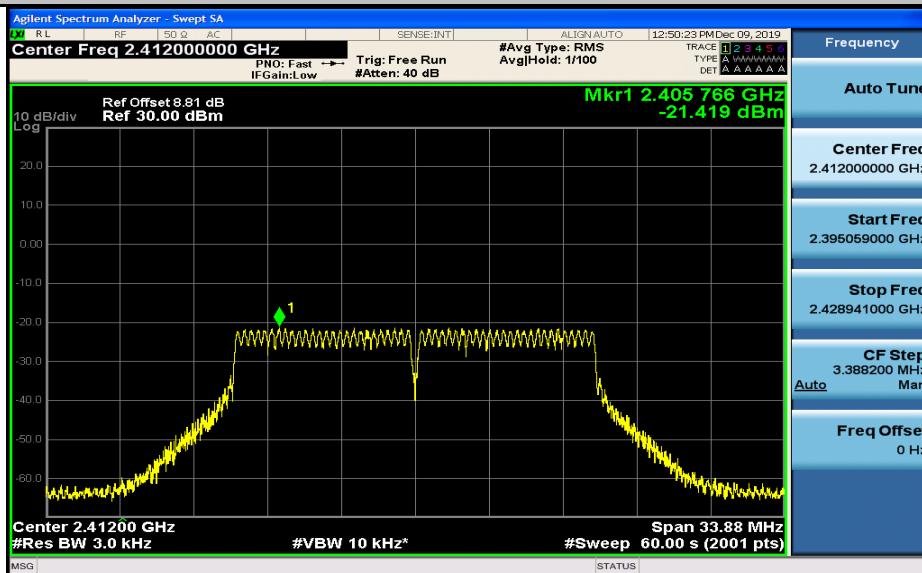
## Maximum(average) power spectral density\_11B\_2437\_Ant1



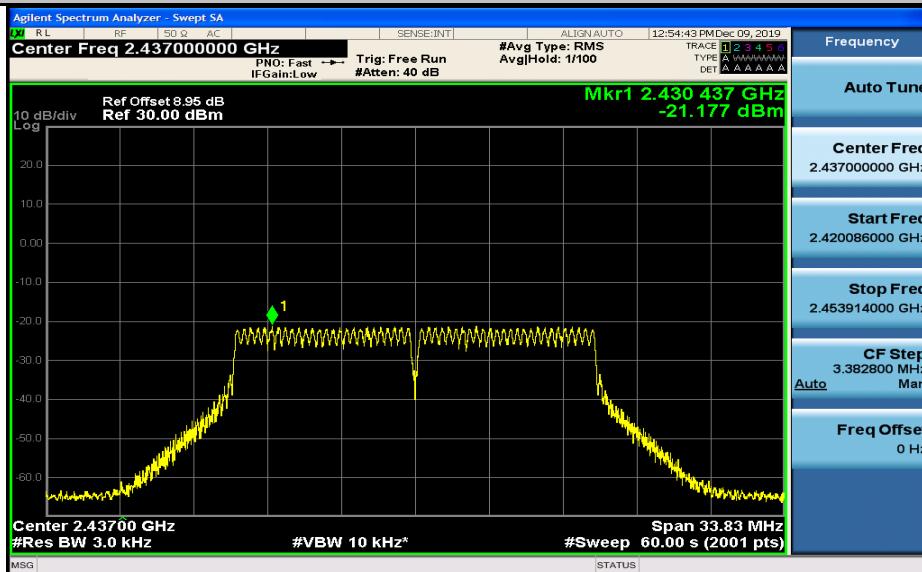
## Maximum(average) power spectral density\_11B\_2462\_Ant1



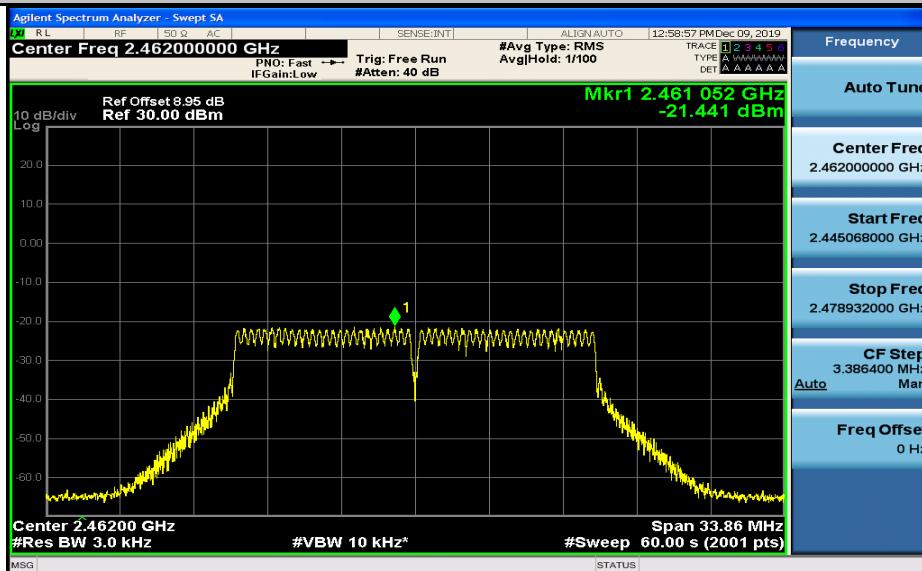
## Maximum(average) power spectral density\_11G\_2412\_Ant1



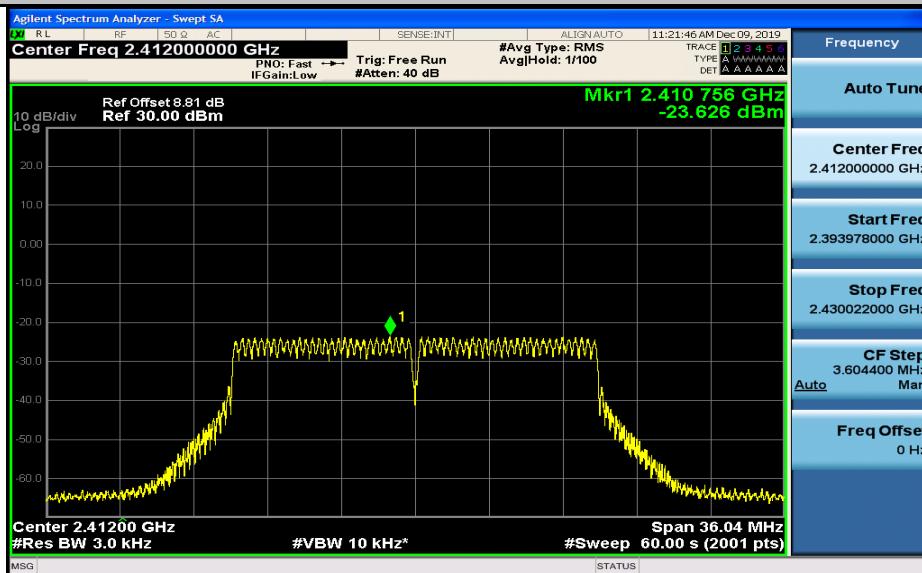
## Maximum(average) power spectral density\_11G\_2437\_Ant1



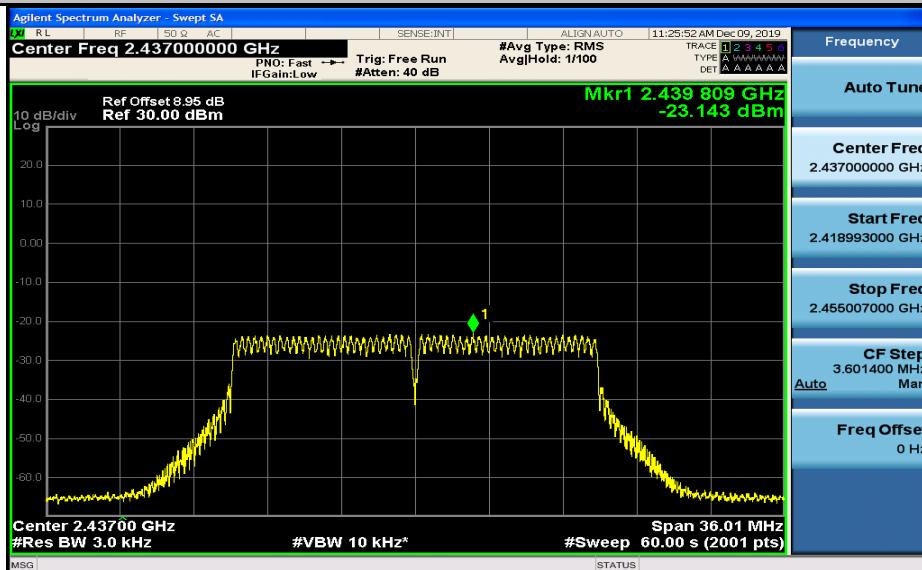
## Maximum(average) power spectral density\_11G\_2462\_Ant1



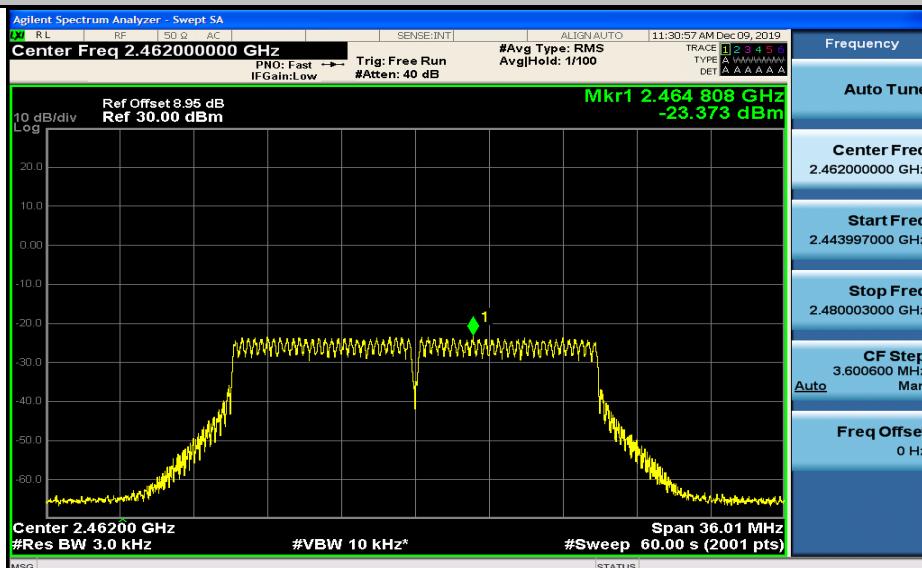
## Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



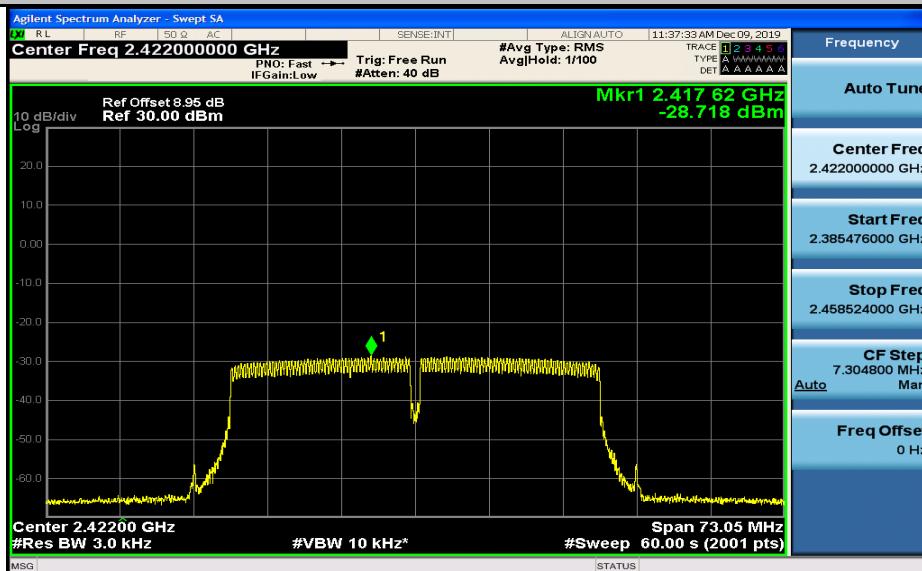
## Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



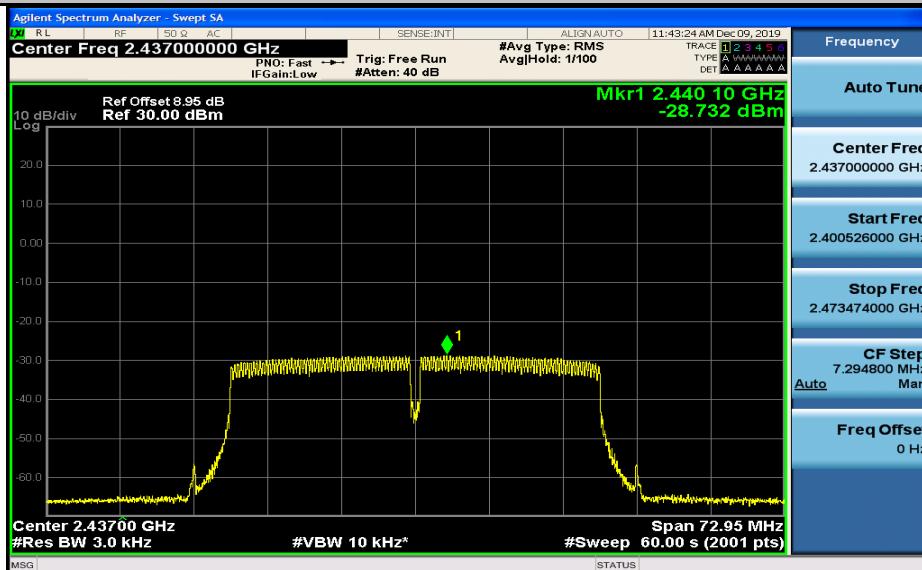
## Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



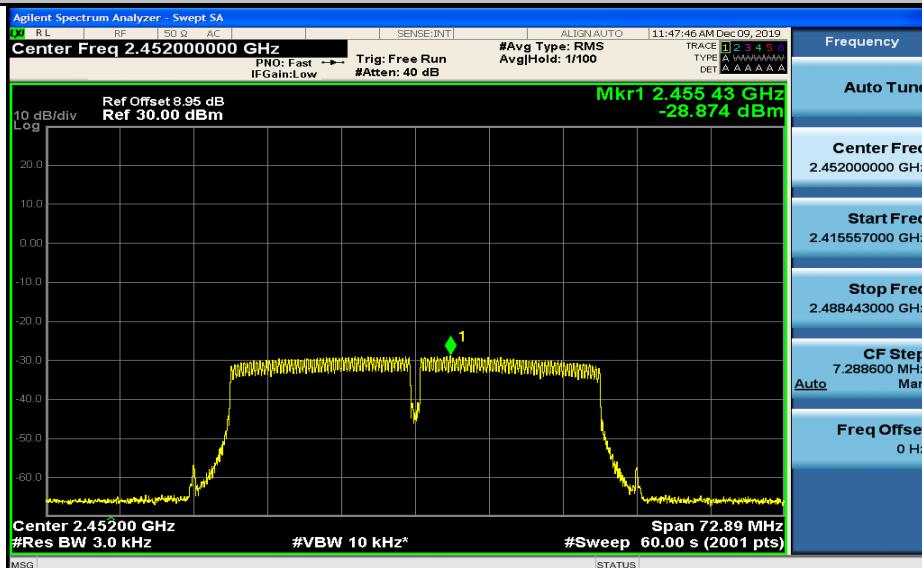
## Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



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



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



## Maximum(average) power spectral density\_11B\_2412\_Ant2



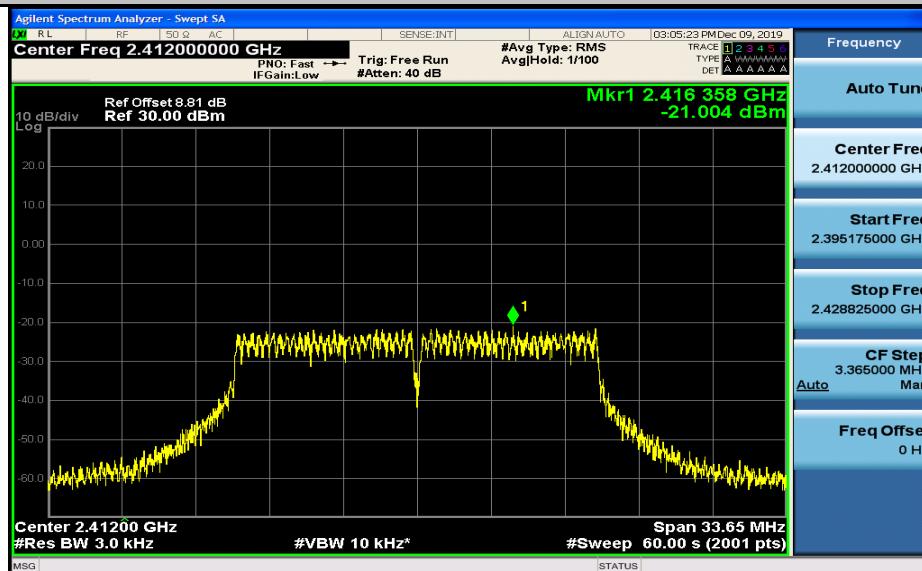
## Maximum(average) power spectral density\_11B\_2437\_Ant2



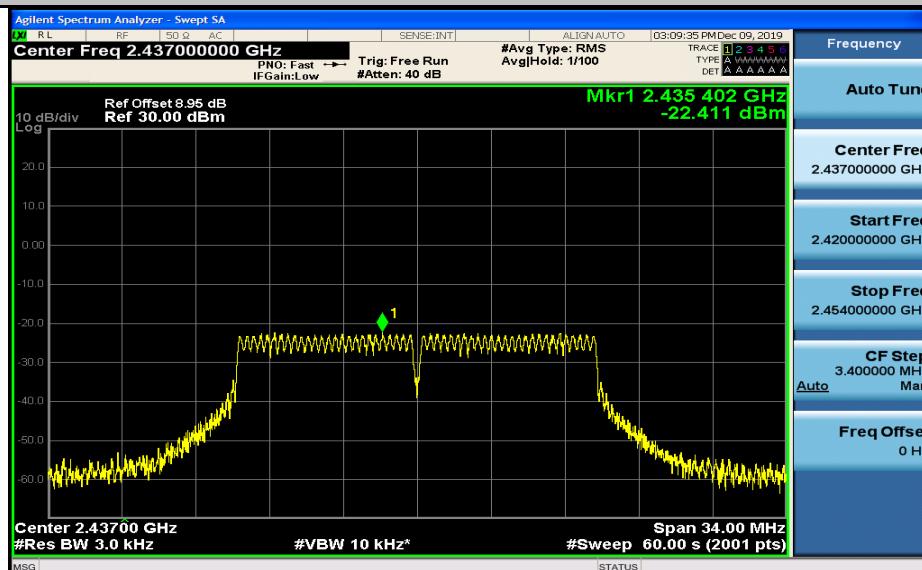
## Maximum(average) power spectral density\_11B\_2462\_Ant2



## Maximum(average) power spectral density\_11G\_2412\_Ant2



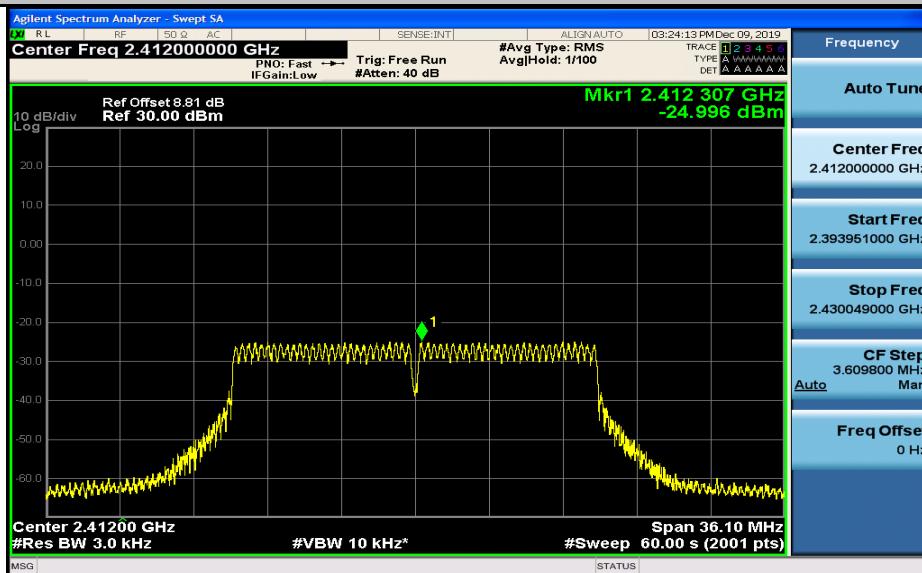
## Maximum(average) power spectral density\_11G\_2437\_Ant2



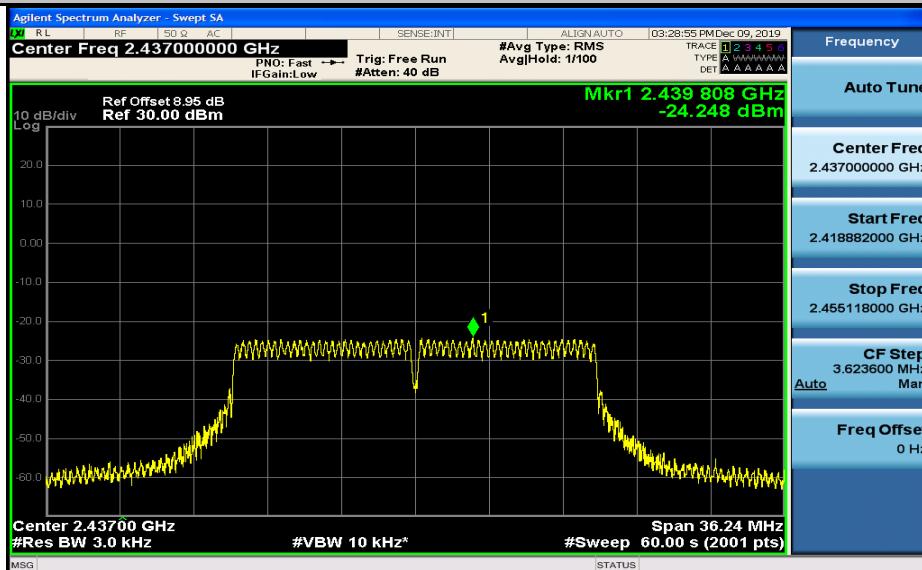
## Maximum(average) power spectral density\_11G\_2462\_Ant2



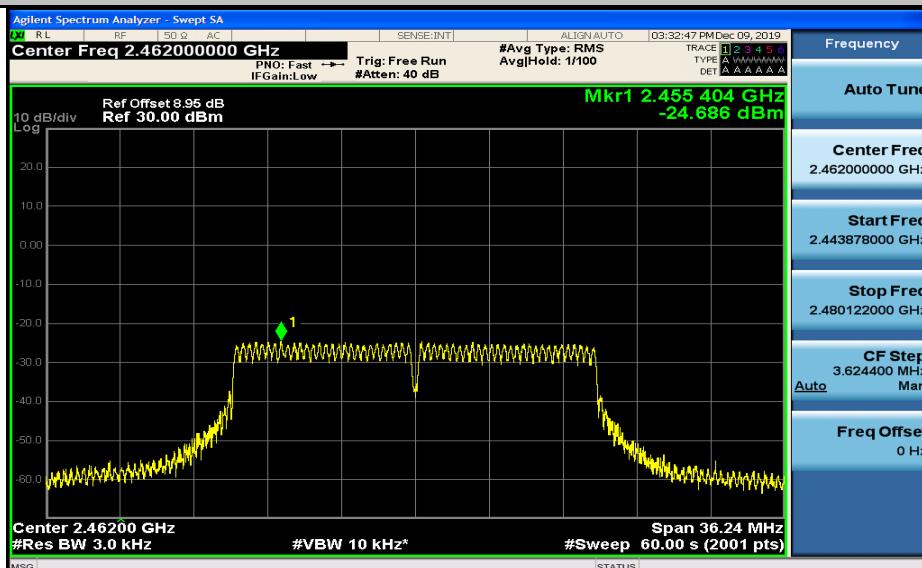
## Maximum(average) power spectral density\_11N20SISO\_2412\_Ant2



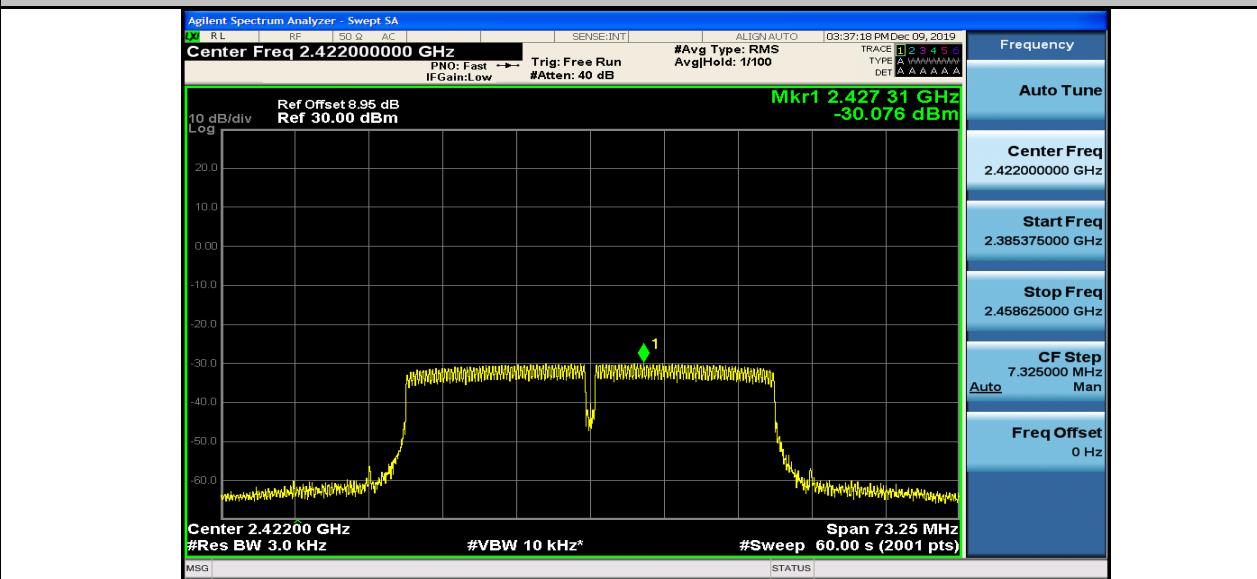
## Maximum(average) power spectral density\_11N20SISO\_2437\_Ant2



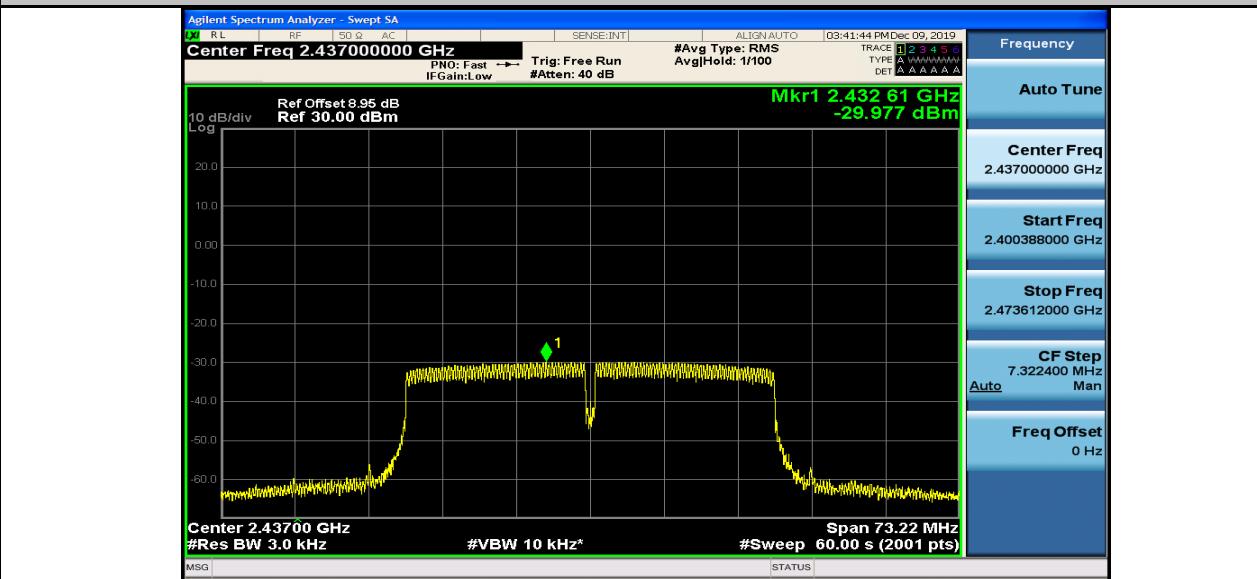
## Maximum(average) power spectral density\_11N20SISO\_2462\_Ant2



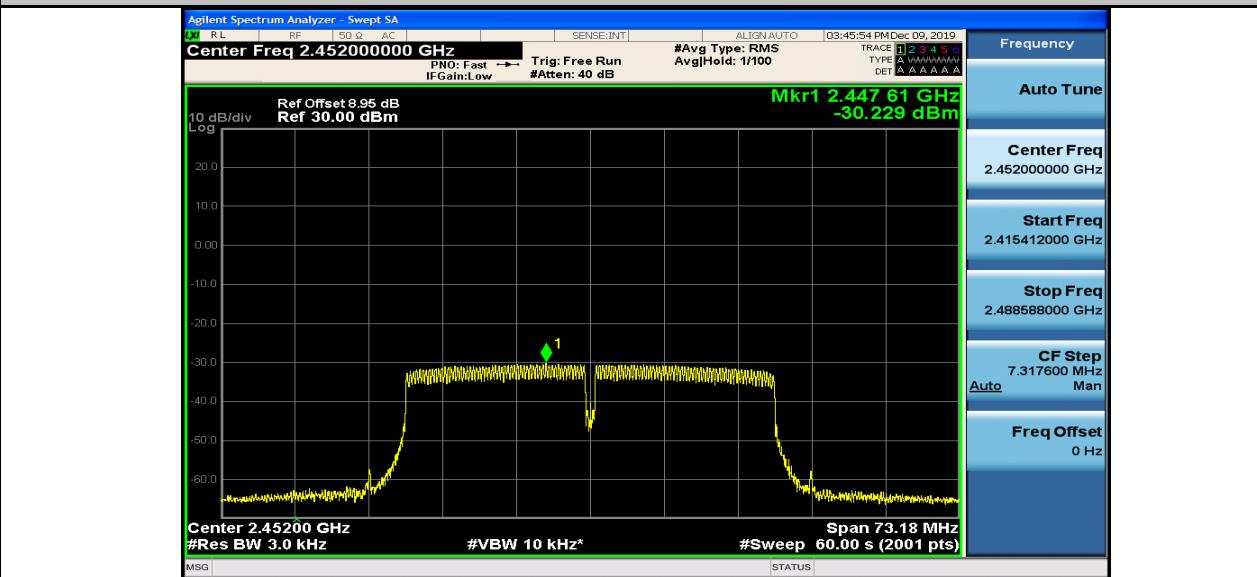
## Maximum(average) power spectral density\_11N40SISO\_2422\_Ant2



## Maximum(average) power spectral density\_11N40SISO\_2437\_Ant2



## Maximum(average) power spectral density\_11N40SISO\_2452\_Ant2

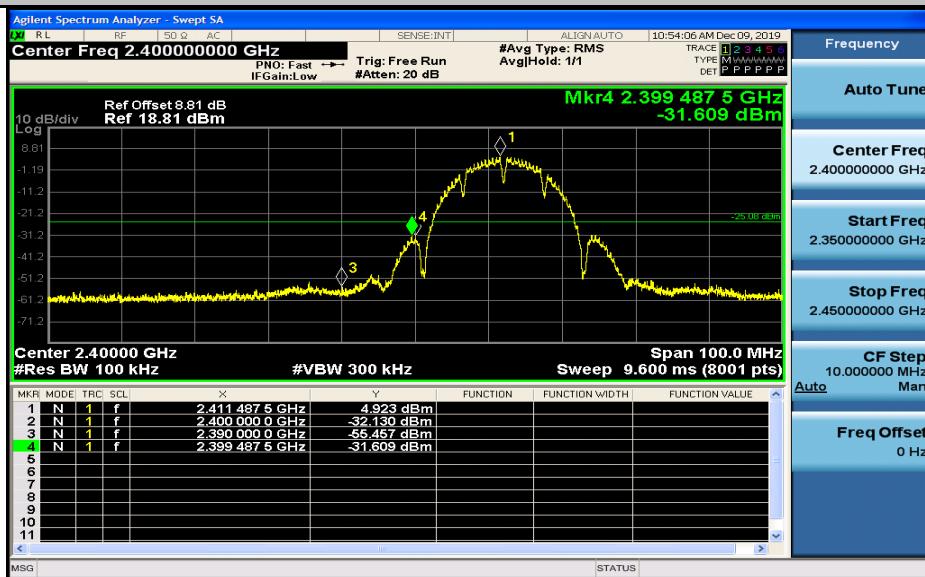




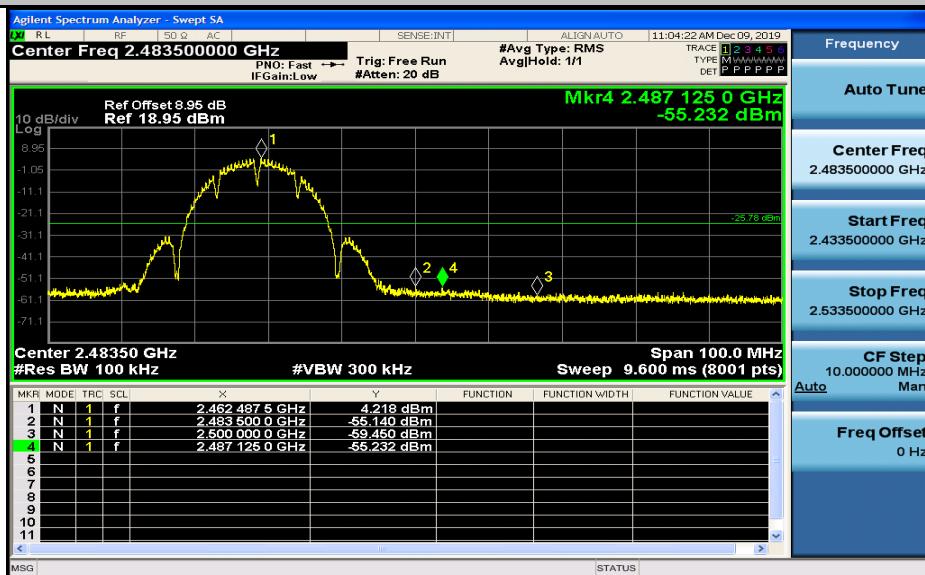
**5.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Carrier Power[dBm]		Max. Spurious Level [dBm]		Limit [dBm]		Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11B	2412	4.92	2.10	-31.61	-36.55	-25.08	-27.90	PASS
11B	2462	4.22	2.23	-55.14	-55.71	-25.78	-27.77	PASS
11G	2412	-1.07	-0.80	-34.78	-32.12	-31.07	-30.80	PASS
11G	2462	-1.20	-2.45	-48.95	-43.03	-31.20	-32.45	PASS
11N20SISO	2412	-2.55	-3.89	-36.26	-34.14	-32.55	-33.89	PASS
11N20SISO	2462	-2.42	-3.91	-49.60	-40.46	-32.42	-33.91	PASS
11N40SISO	2422	-7.72	-8.08	-40.71	-39.14	-37.72	-38.08	PASS
11N40SISO	2452	-7.70	-9.18	-48.32	-43.50	-37.70	-39.18	PASS

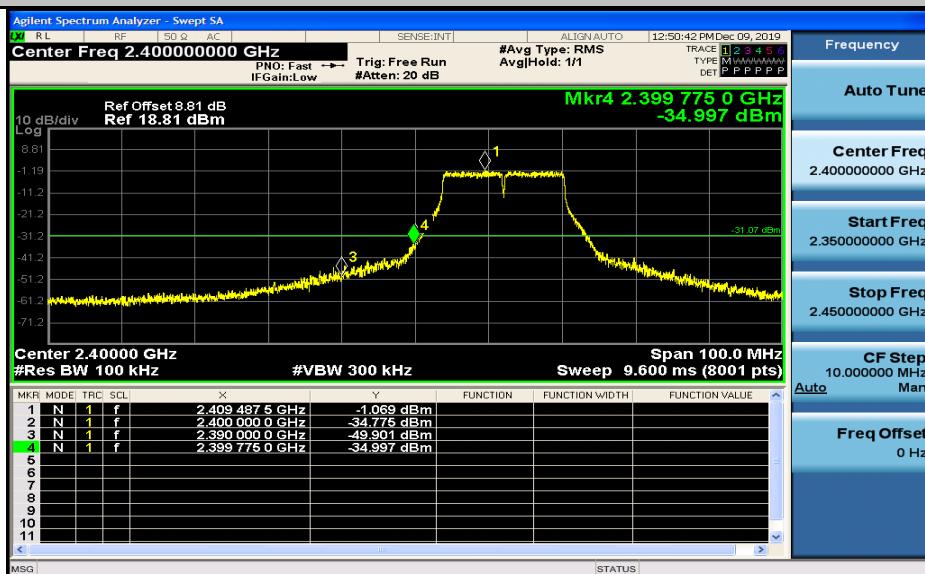
## Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1

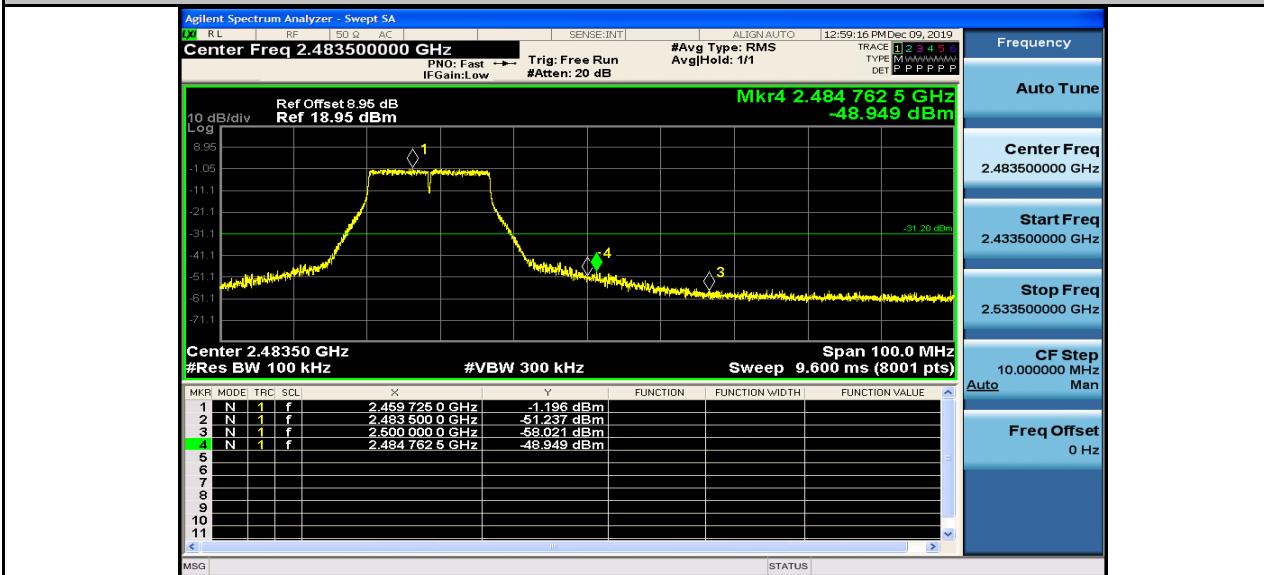
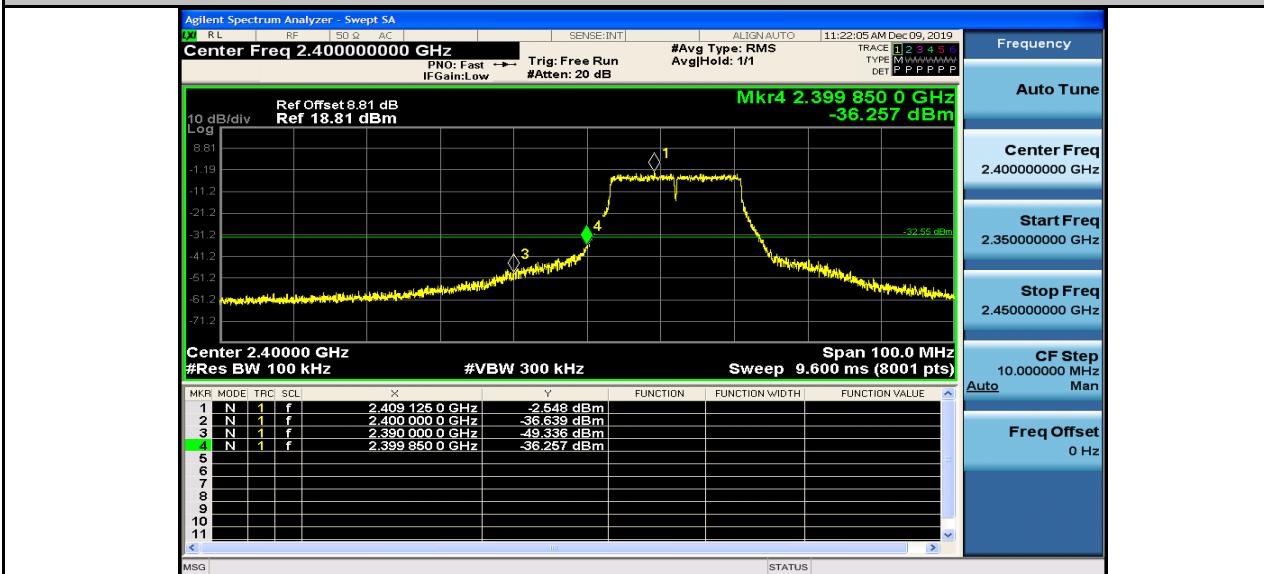
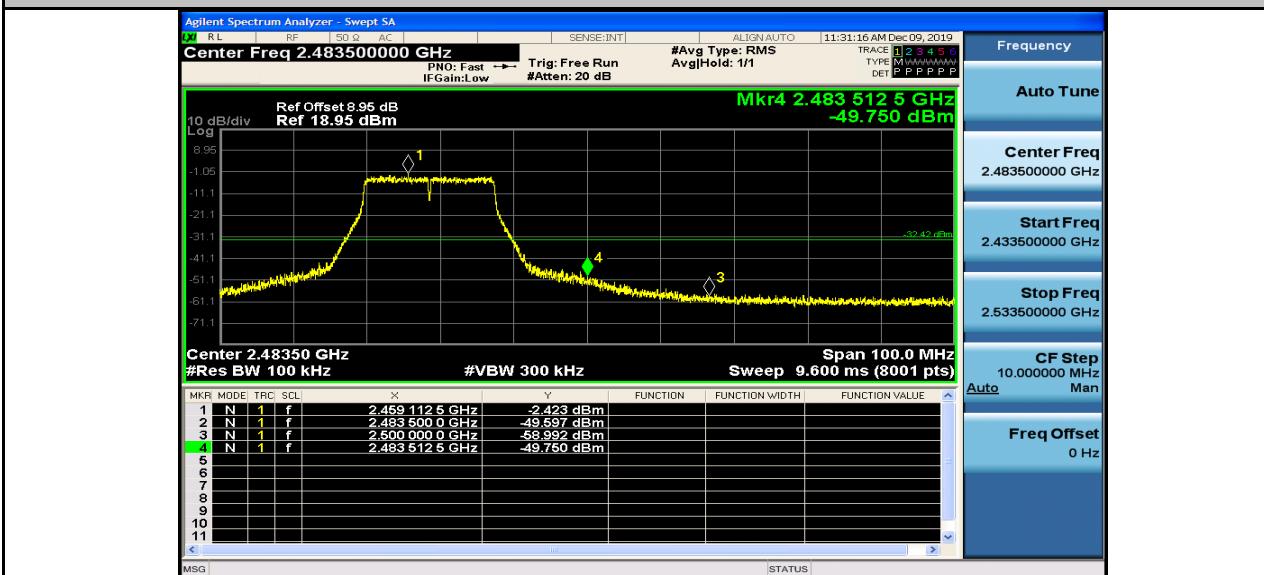


## Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1

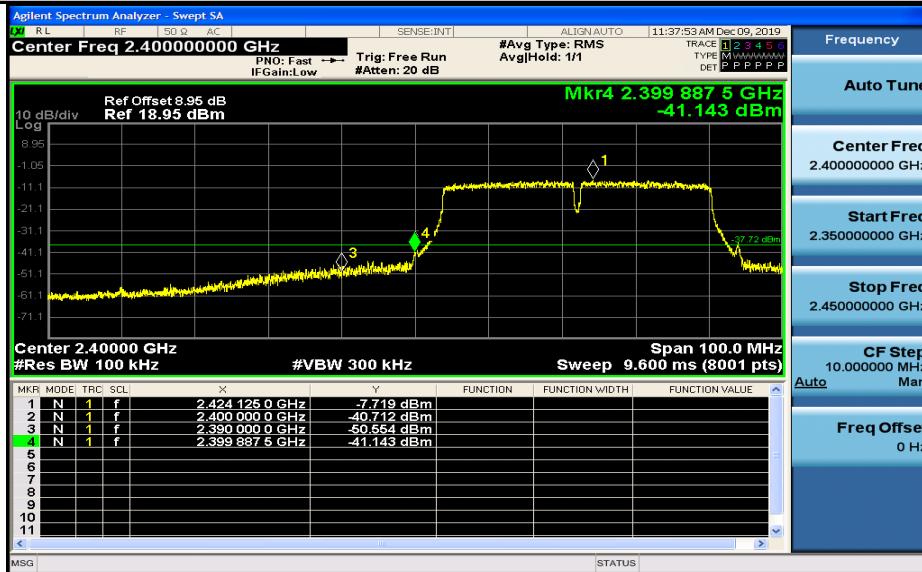


## Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



**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

