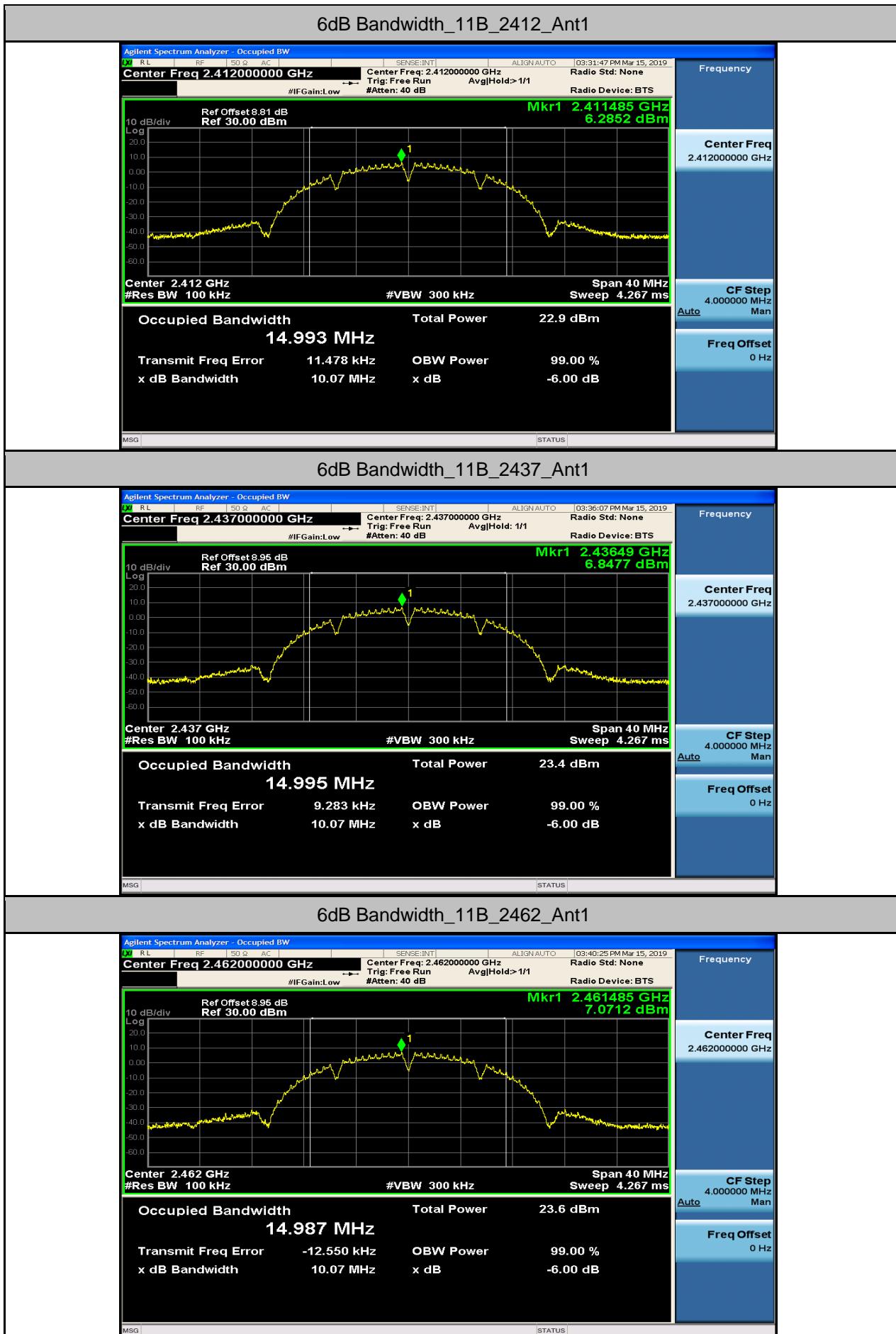




Appendix A for SHEM190301146101

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.07	0.5	PASS
11B	2437	Ant1	10.07	0.5	PASS
11B	2462	Ant1	10.07	0.5	PASS
11G	2412	Ant1	16.57	0.5	PASS
11G	2437	Ant1	16.57	0.5	PASS
11G	2462	Ant1	16.58	0.5	PASS
11N20SISO	2412	Ant1	16.57	0.5	PASS
11N20SISO	2437	Ant1	16.56	0.5	PASS
11N20SISO	2462	Ant1	16.58	0.5	PASS
11N40SISO	2422	Ant1	36.38	0.5	PASS
11N40SISO	2437	Ant1	36.38	0.5	PASS
11N40SISO	2452	Ant1	36.38	0.5	PASS

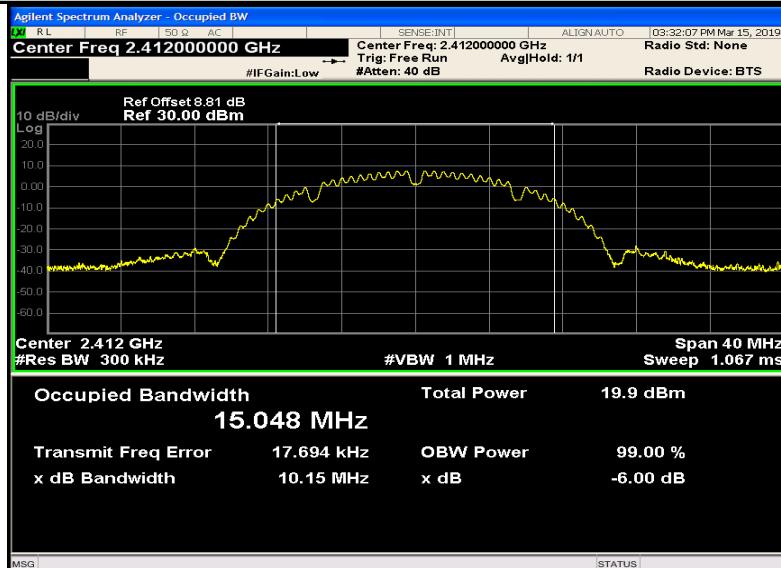




2.Occupied Bandwidth

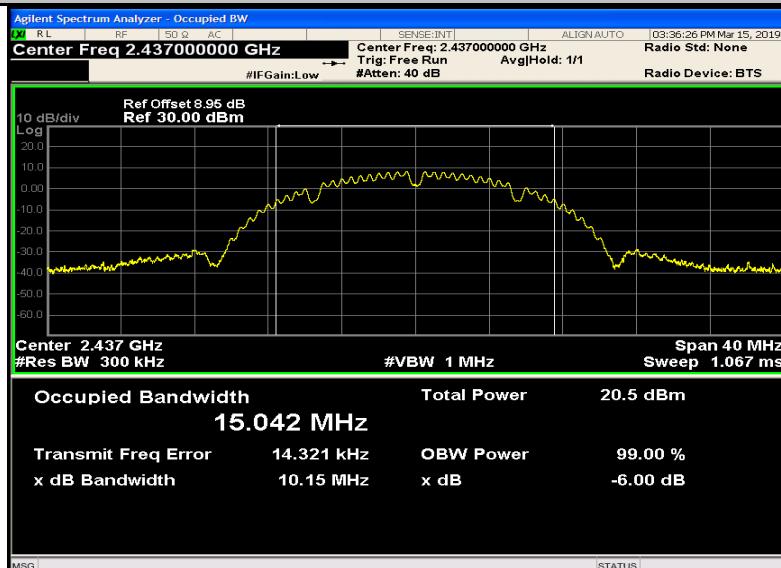
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	15.05	---	PASS
11B	2437	Ant1	15.04	---	PASS
11B	2462	Ant1	15.04	---	PASS
11G	2412	Ant1	16.82	---	PASS
11G	2437	Ant1	16.81	---	PASS
11G	2462	Ant1	16.81	---	PASS
11N20SISO	2412	Ant1	16.78	---	PASS
11N20SISO	2437	Ant1	16.78	---	PASS
11N20SISO	2462	Ant1	16.81	---	PASS
11N40SISO	2422	Ant1	36.48	---	PASS
11N40SISO	2437	Ant1	36.48	---	PASS
11N40SISO	2452	Ant1	36.53	---	PASS

Occupied Bandwidth_11B_2412



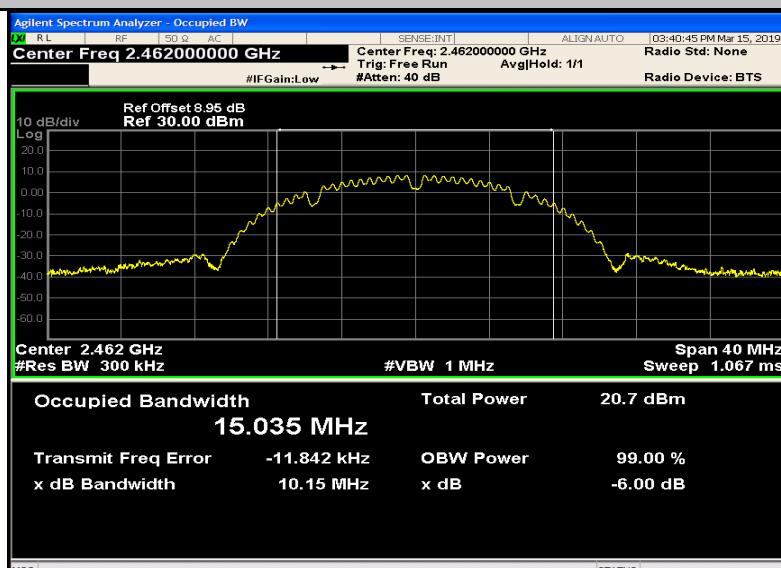
Frequency
Center Freq 2.412000000 GHz
CF Step 4.000000 MHz Man
Auto
Freq Offset 0 Hz

Occupied Bandwidth_11B_2437

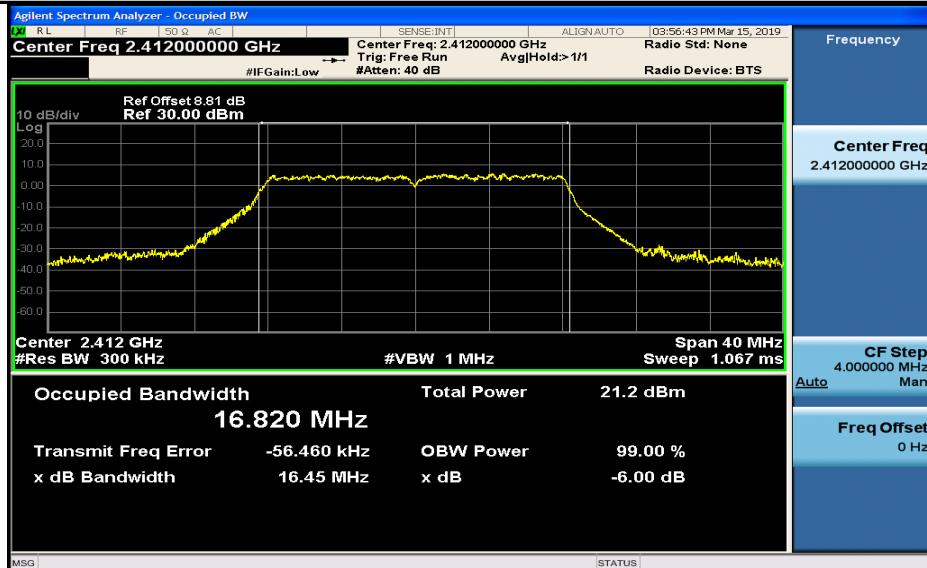
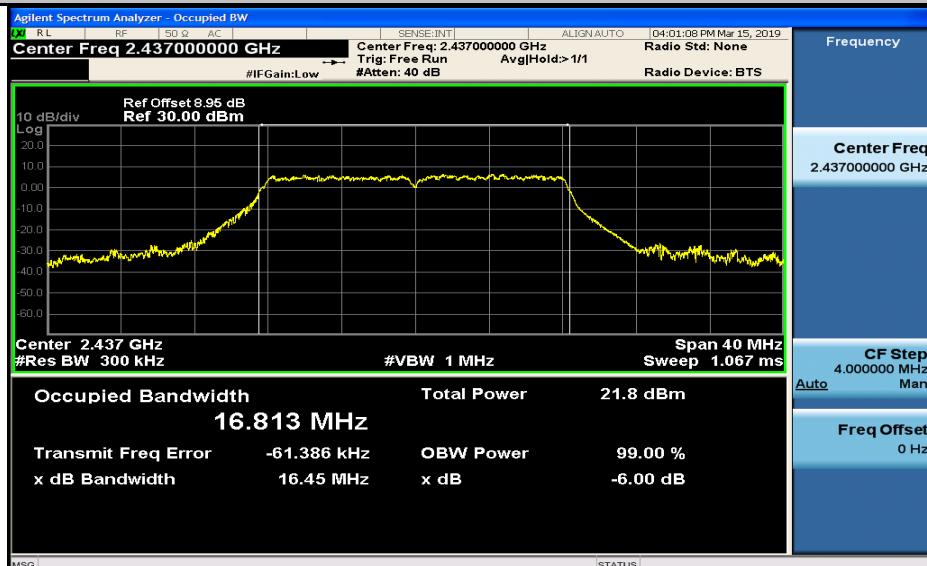


Frequency
Center Freq 2.437000000 GHz
CF Step 4.000000 MHz Man
Auto
Freq Offset 0 Hz

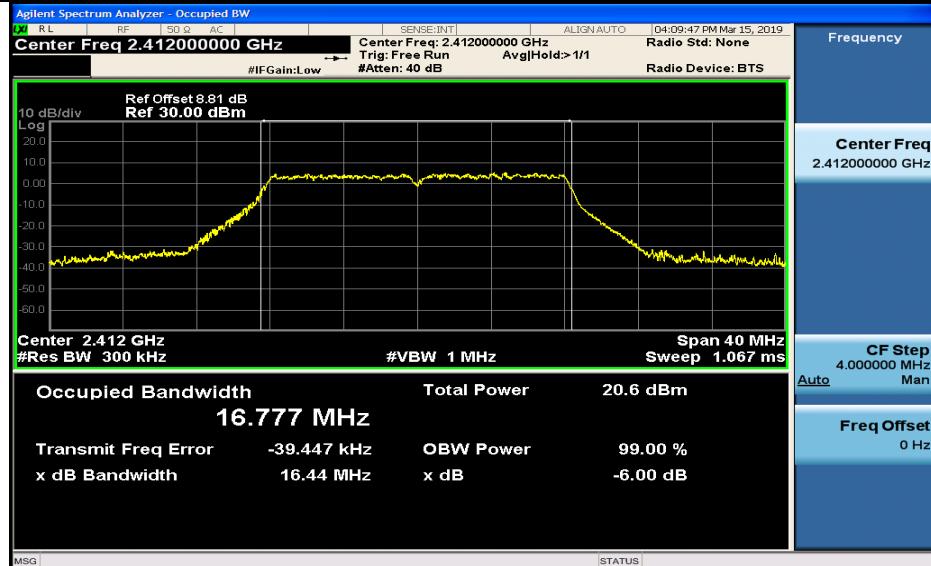
Occupied Bandwidth_11B_2462



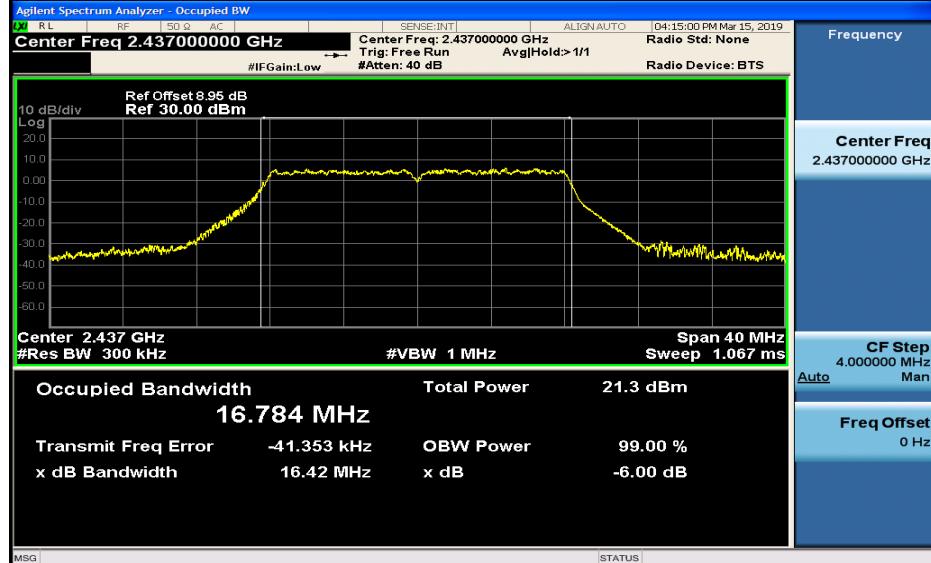
Frequency
Center Freq 2.462000000 GHz
CF Step 4.000000 MHz Man
Auto
Freq Offset 0 Hz

Occupied Bandwidth_11G_2412

Occupied Bandwidth_11G_2437

Occupied Bandwidth_11G_2462

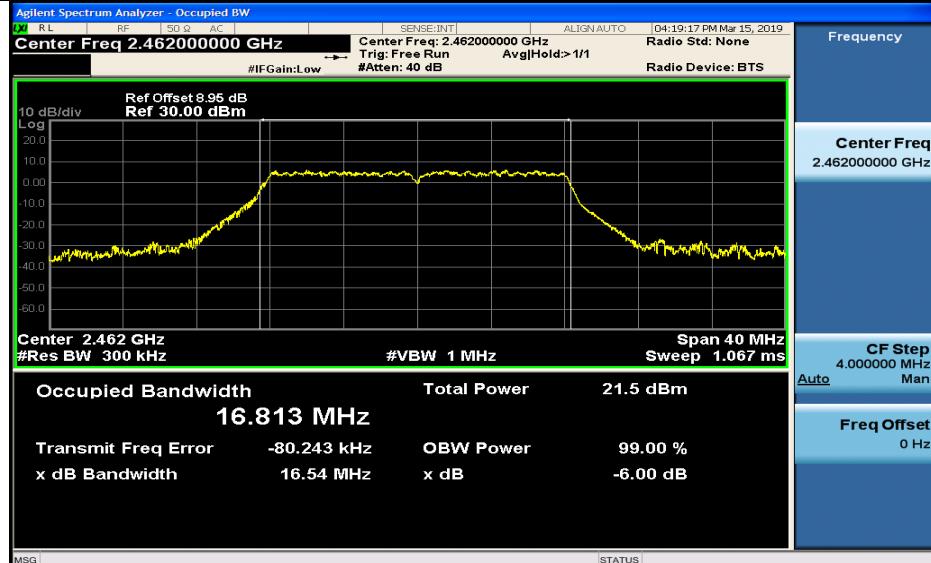

Occupied Bandwidth_11N20SISO_2412

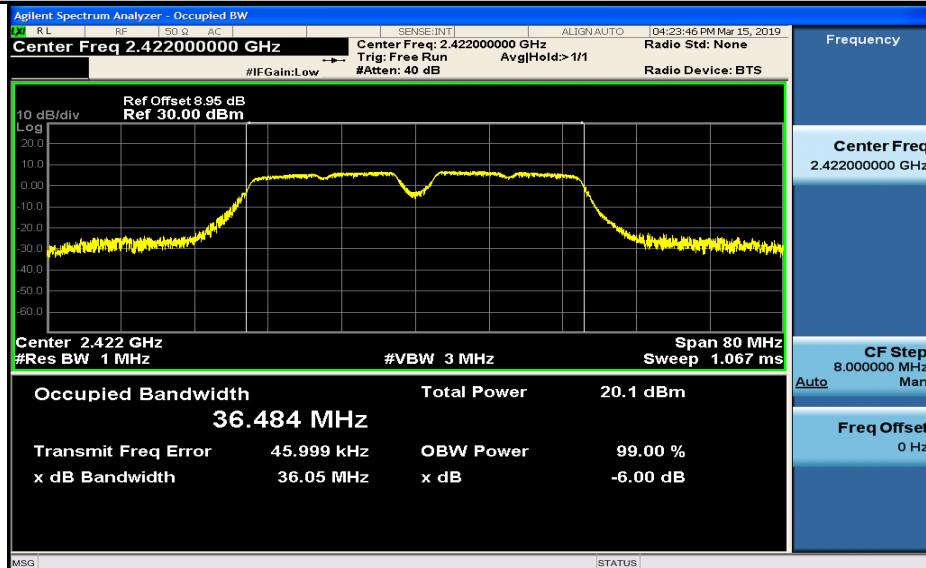
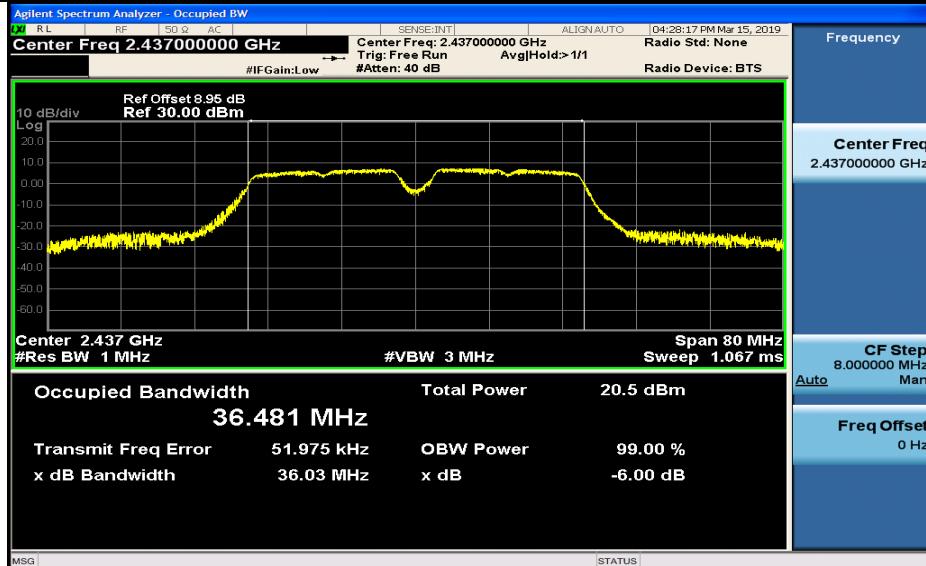


Occupied Bandwidth_11N20SISO_2437



Occupied Bandwidth_11N20SISO_2462

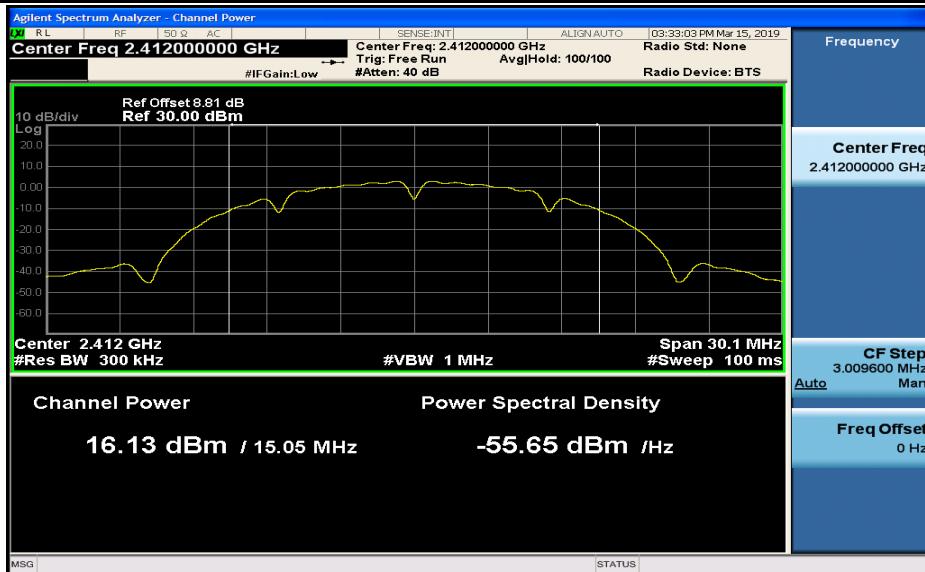
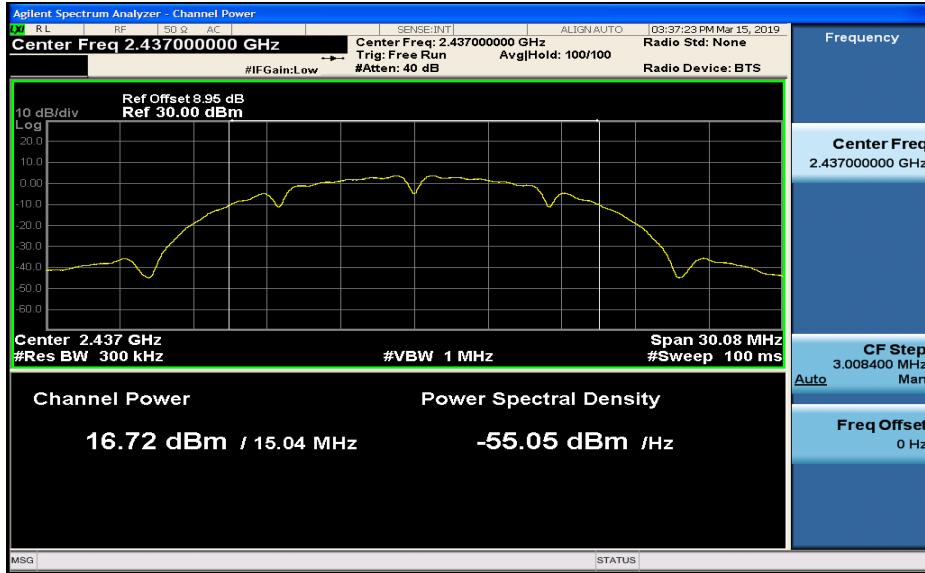


Occupied Bandwidth_11N40SISO_2422**Occupied Bandwidth_11N40SISO_2437****Occupied Bandwidth_11N40SISO_2452**

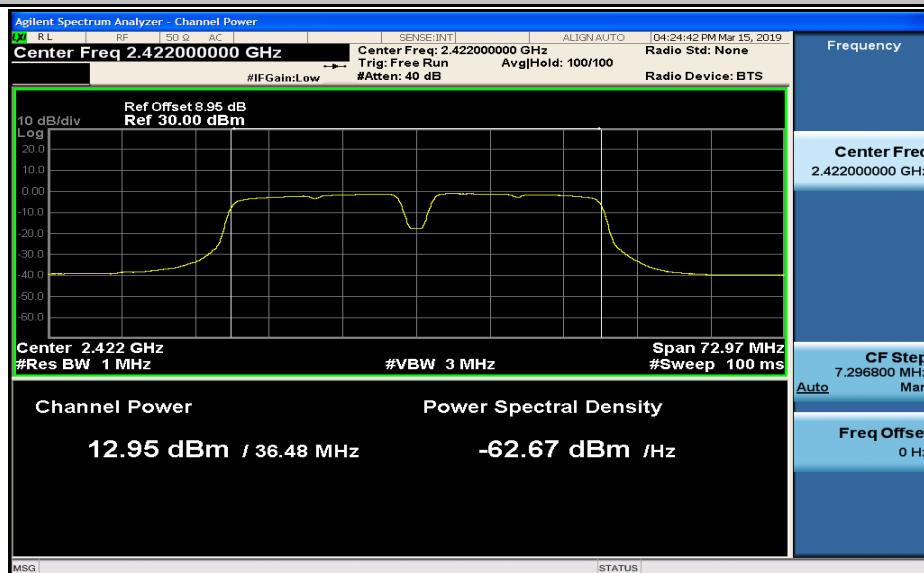


3. Maximum conducted (average) output power

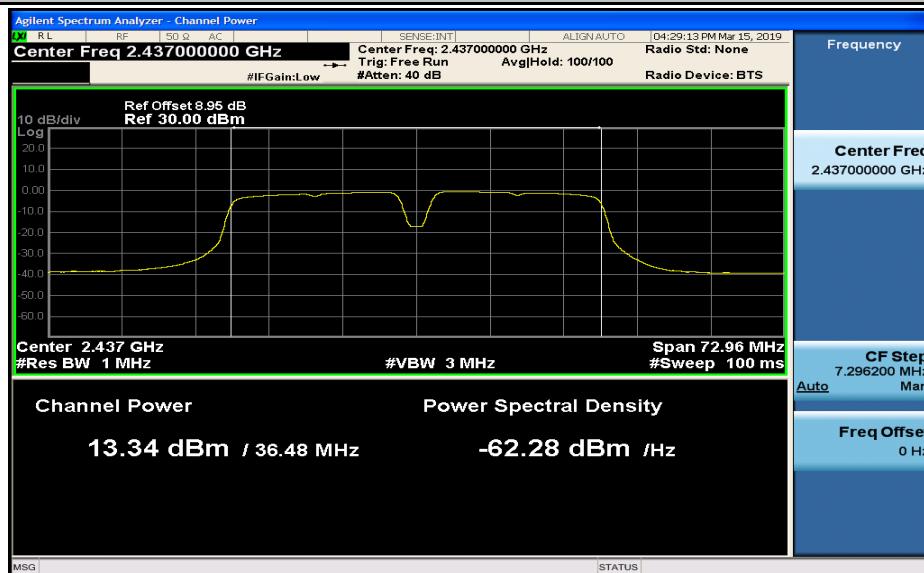
Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	16.13	0.00	16.13	30	PASS
11B	2437	Ant1	16.72	0.00	16.72	30	PASS
11B	2462	Ant1	16.92	0.00	16.92	30	PASS
11G	2412	Ant1	14.87	0.00	14.87	30	PASS
11G	2437	Ant1	15.54	0.00	15.54	30	PASS
11G	2462	Ant1	15.72	0.00	15.72	30	PASS
11N20SISO	2412	Ant1	14.33	0.00	14.33	30	PASS
11N20SISO	2437	Ant1	14.98	0.00	14.98	30	PASS
11N20SISO	2462	Ant1	15.18	0.00	15.18	30	PASS
11N40SISO	2422	Ant1	12.95	0.00	12.95	30	PASS
11N40SISO	2437	Ant1	13.34	0.00	13.34	30	PASS
11N40SISO	2452	Ant1	13.51	0.00	13.51	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**

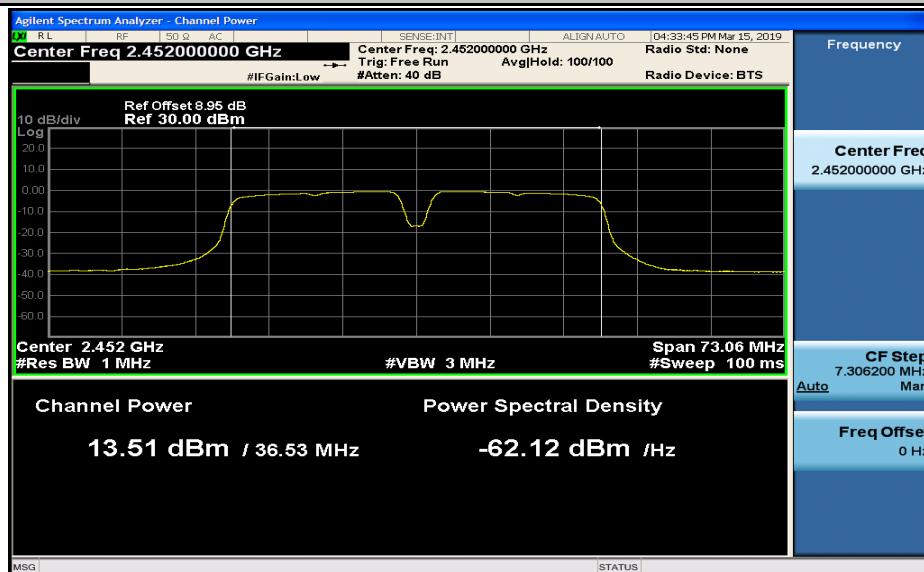
Maximum conducted (average) output power_11N40SISO_2422_Ant1



Maximum conducted (average) output power_11N40SISO_2437_Ant1



Maximum conducted (average) output power_11N40SISO_2452_Ant1



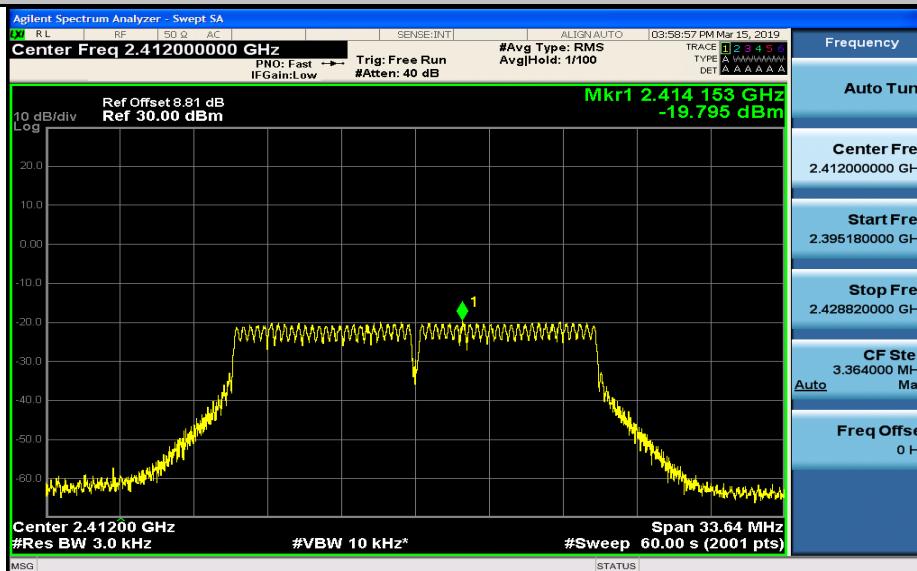


4. Maximum(average) power spectral density

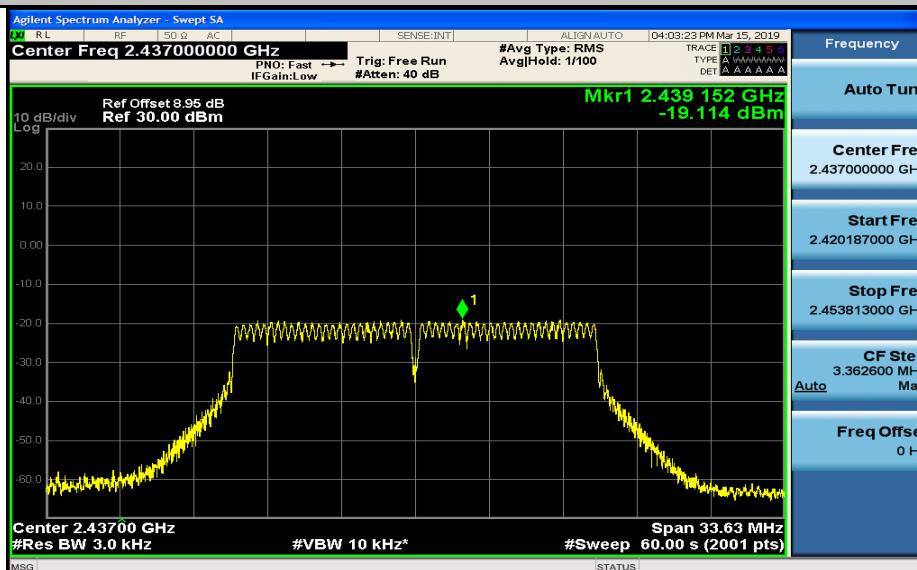
Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-16.67	0.00	-16.67	8.00	PASS
11B	2437	Ant1	-16.06	0.00	-16.06	8.00	PASS
11B	2462	Ant1	-15.88	0.00	-15.88	8.00	PASS
11G	2412	Ant1	-19.80	0.00	-19.80	8.00	PASS
11G	2437	Ant1	-19.11	0.00	-19.11	8.00	PASS
11G	2462	Ant1	-18.86	0.00	-18.86	8.00	PASS
11N20SISO	2412	Ant1	-20.24	0.00	-20.24	8.00	PASS
11N20SISO	2437	Ant1	-19.57	0.00	-19.57	8.00	PASS
11N20SISO	2462	Ant1	-19.54	0.00	-19.54	8.00	PASS
11N40SISO	2422	Ant1	-24.67	0.00	-24.67	8.00	PASS
11N40SISO	2437	Ant1	-24.33	0.00	-24.33	8.00	PASS
11N40SISO	2452	Ant1	-23.96	0.00	-23.96	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**

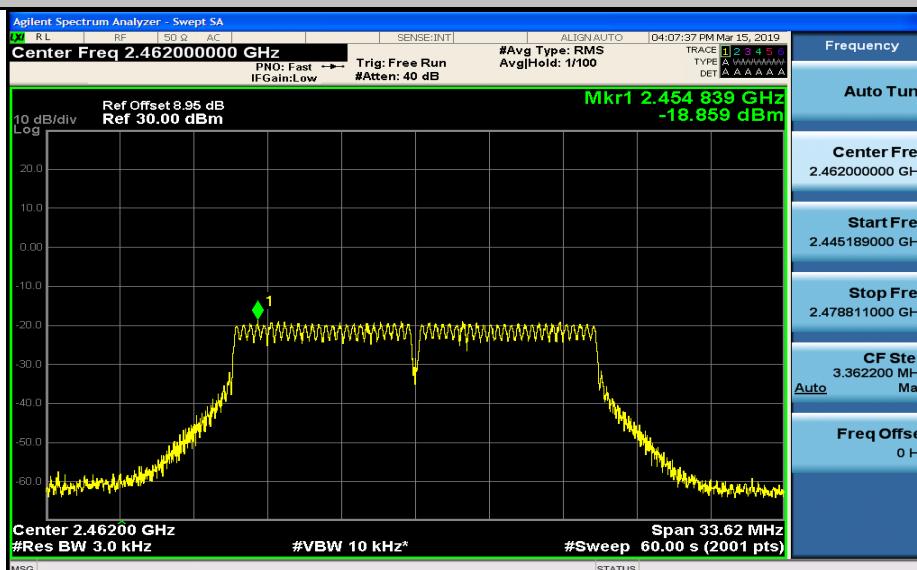
Maximum(average) power spectral density_11G_2412_Ant1



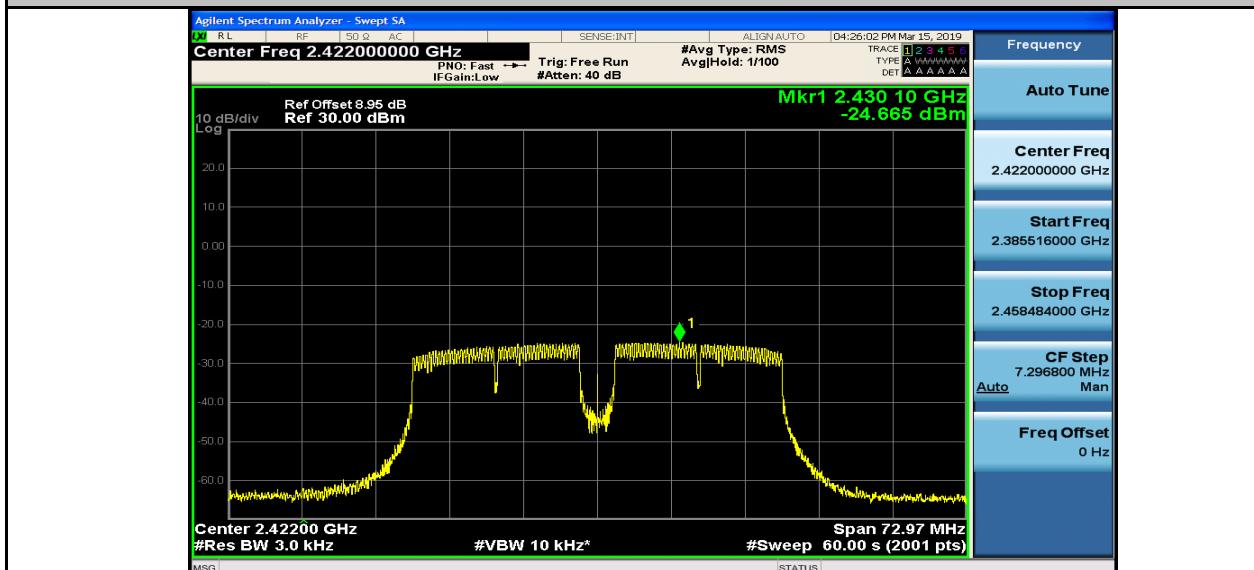
Maximum(average) power spectral density_11G_2437_Ant1



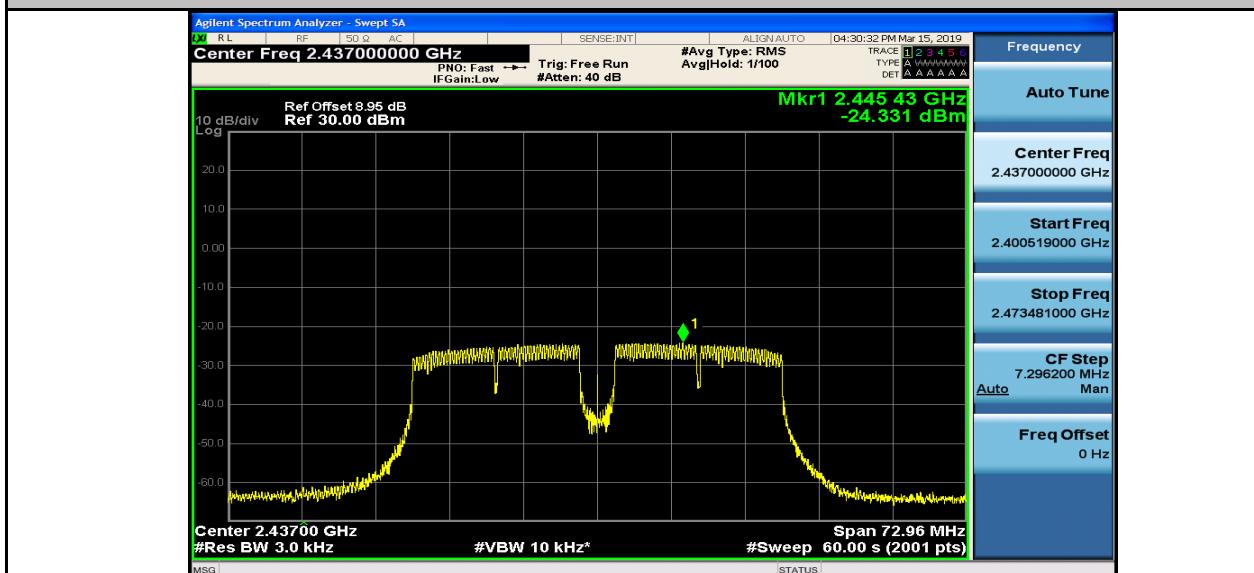
Maximum(average) power spectral density_11G_2462_Ant1



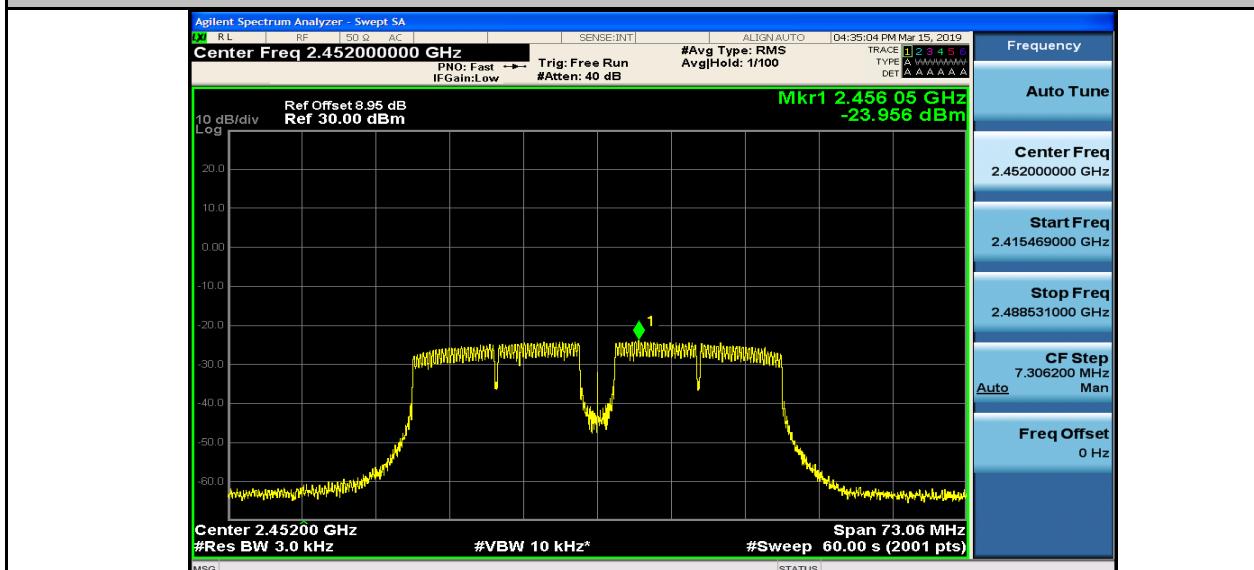
Maximum(average) power spectral density_11N40SISO_2422_Ant1



Maximum(average) power spectral density_11N40SISO_2437_Ant1



Maximum(average) power spectral density_11N40SISO_2452_Ant1



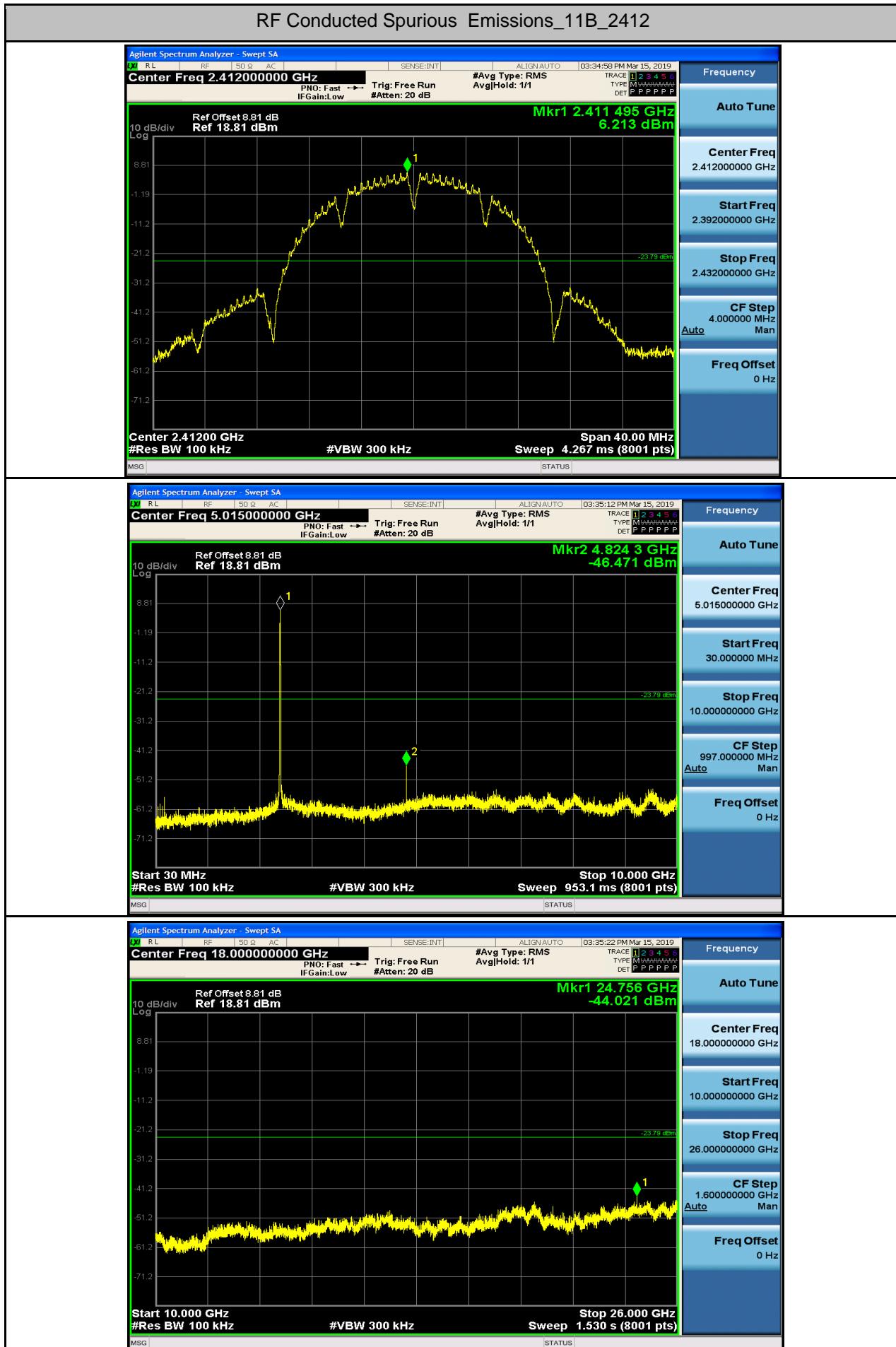


5.Band-edge for RF Conducted Emissions

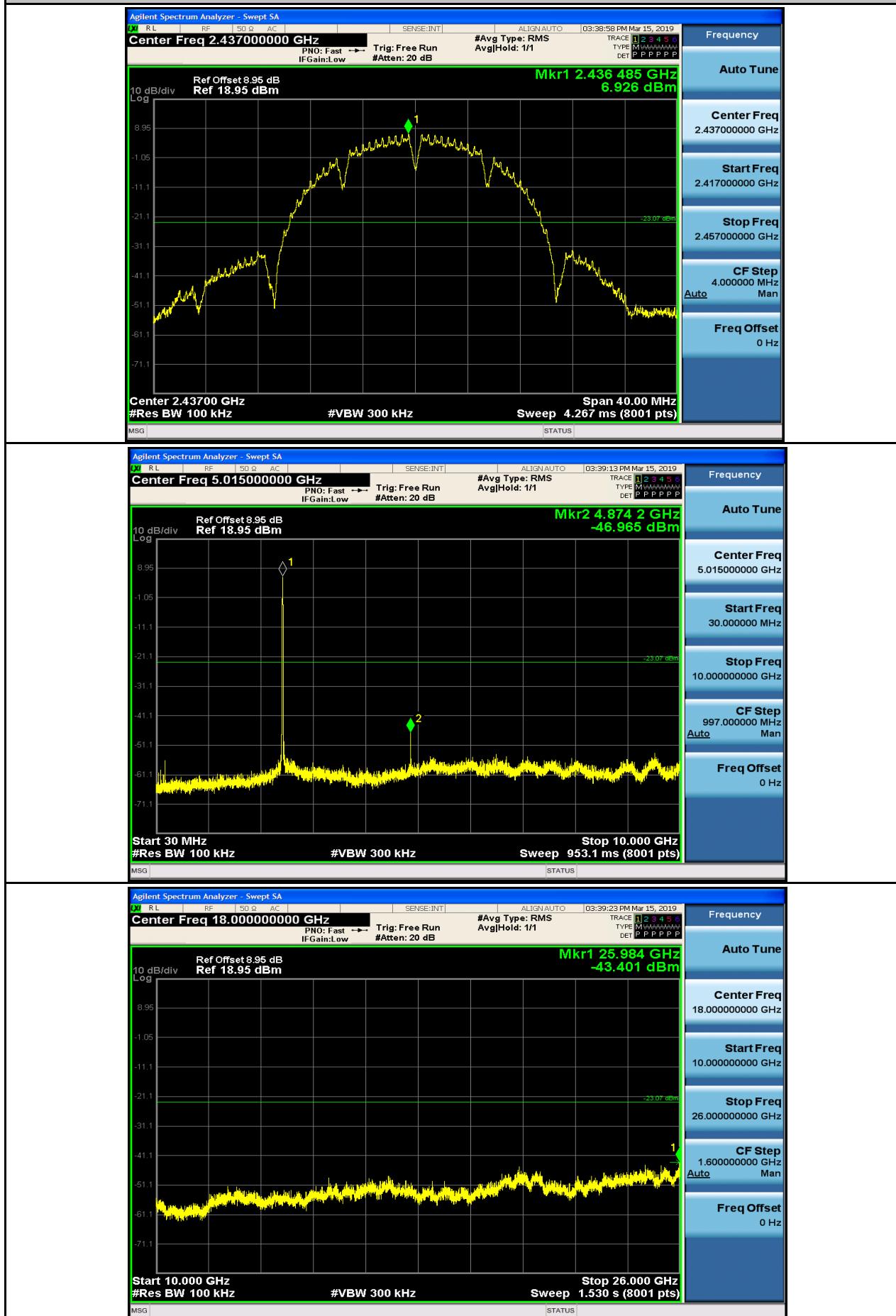
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	6.26	-33.63	-23.74	PASS
11B	2462	Ant1	7.11	-51.12	-22.89	PASS
11G	2412	Ant1	0.53	-36.27	-29.47	PASS
11G	2462	Ant1	1.38	-39.35	-28.62	PASS
11N20SISO	2412	Ant1	-0.12	-37.09	-30.12	PASS
11N20SISO	2462	Ant1	0.82	-40.71	-29.18	PASS
11N40SISO	2422	Ant1	-3.72	-35.49	-33.72	PASS
11N40SISO	2452	Ant1	-3.38	-37.46	-33.38	PASS



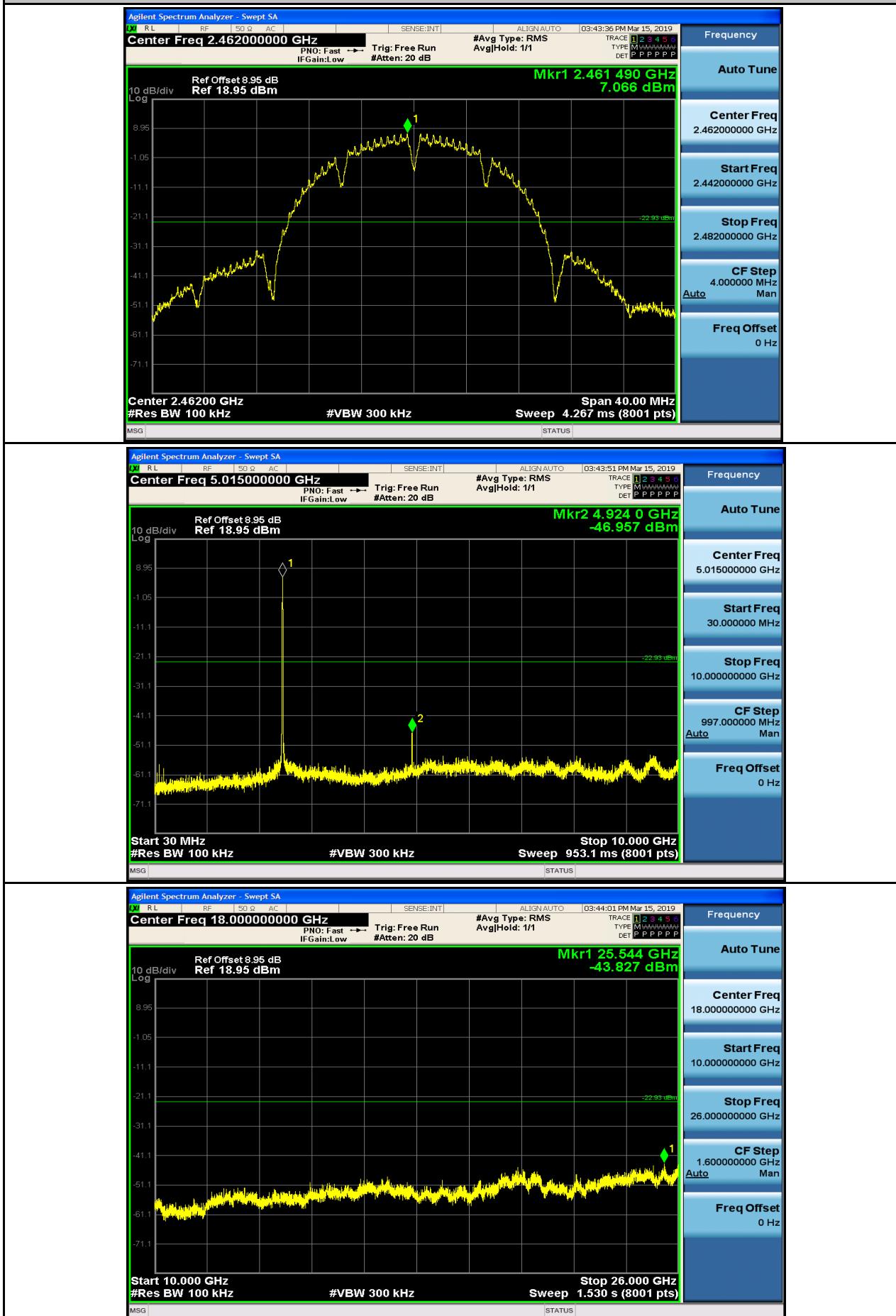
11N40SISO	2452	Ant1	10000	26000	100	300	-3.391	-43.516	< 33.391	PASS
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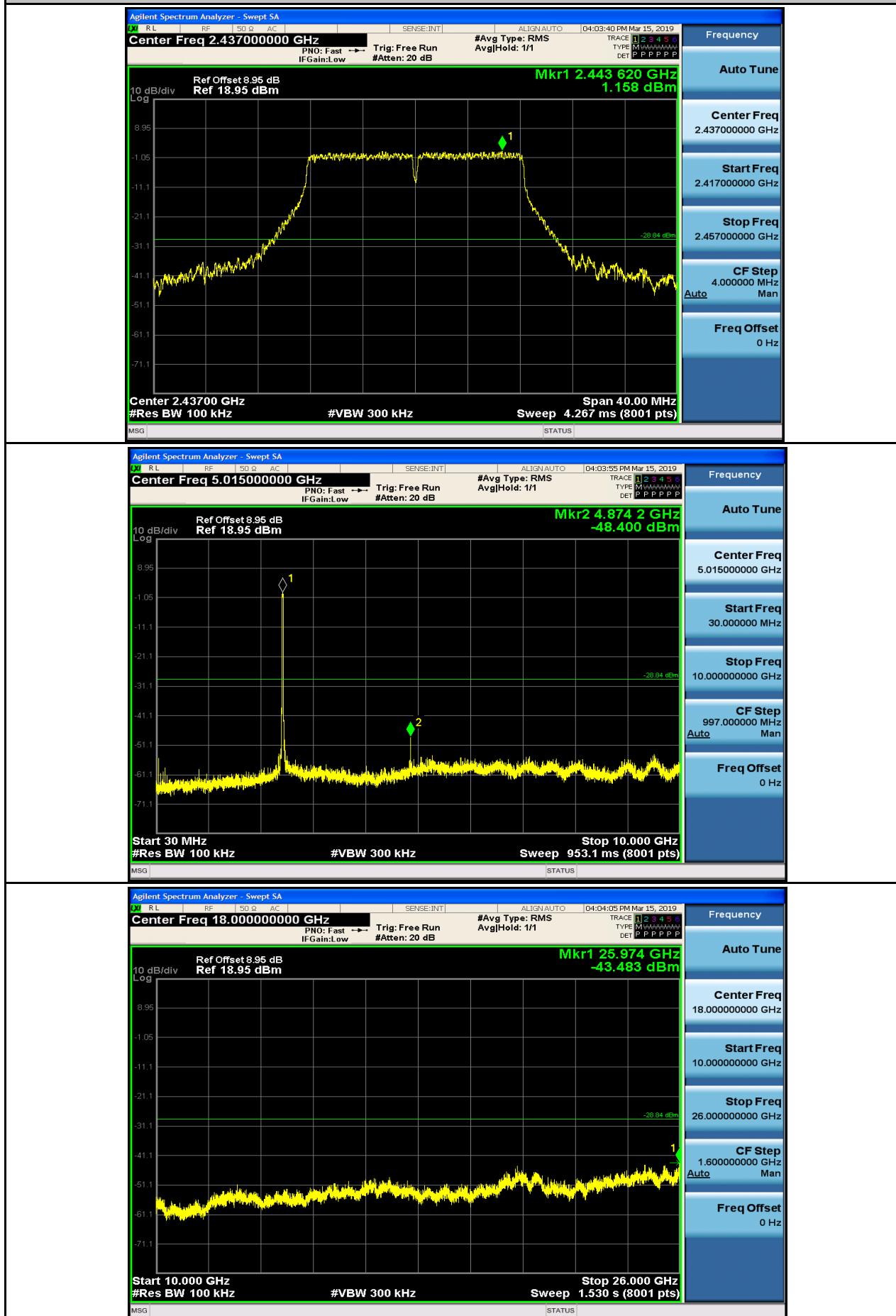
RF Conducted Spurious Emissions_11B_2437



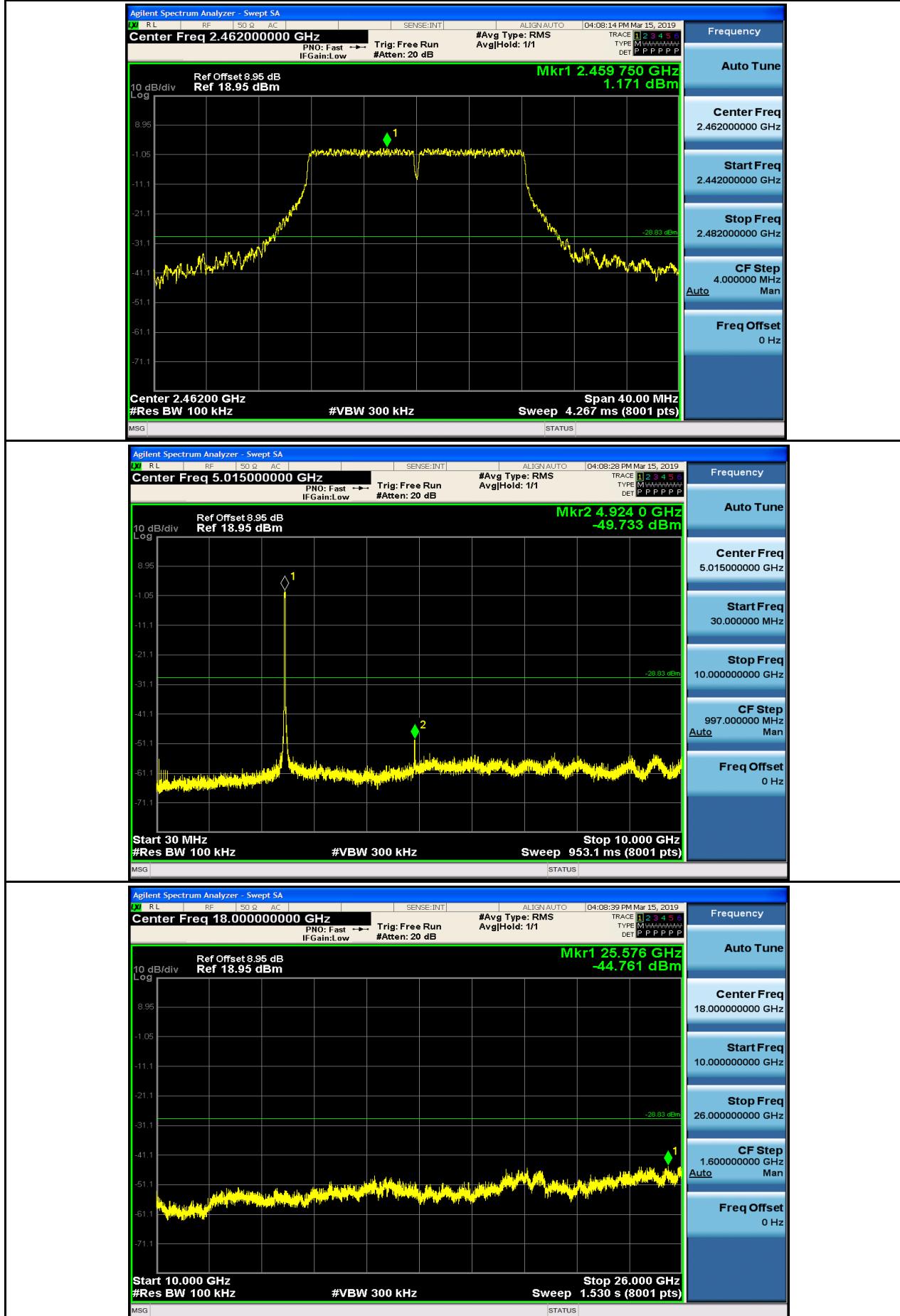
RF Conducted Spurious Emissions_11B_2462

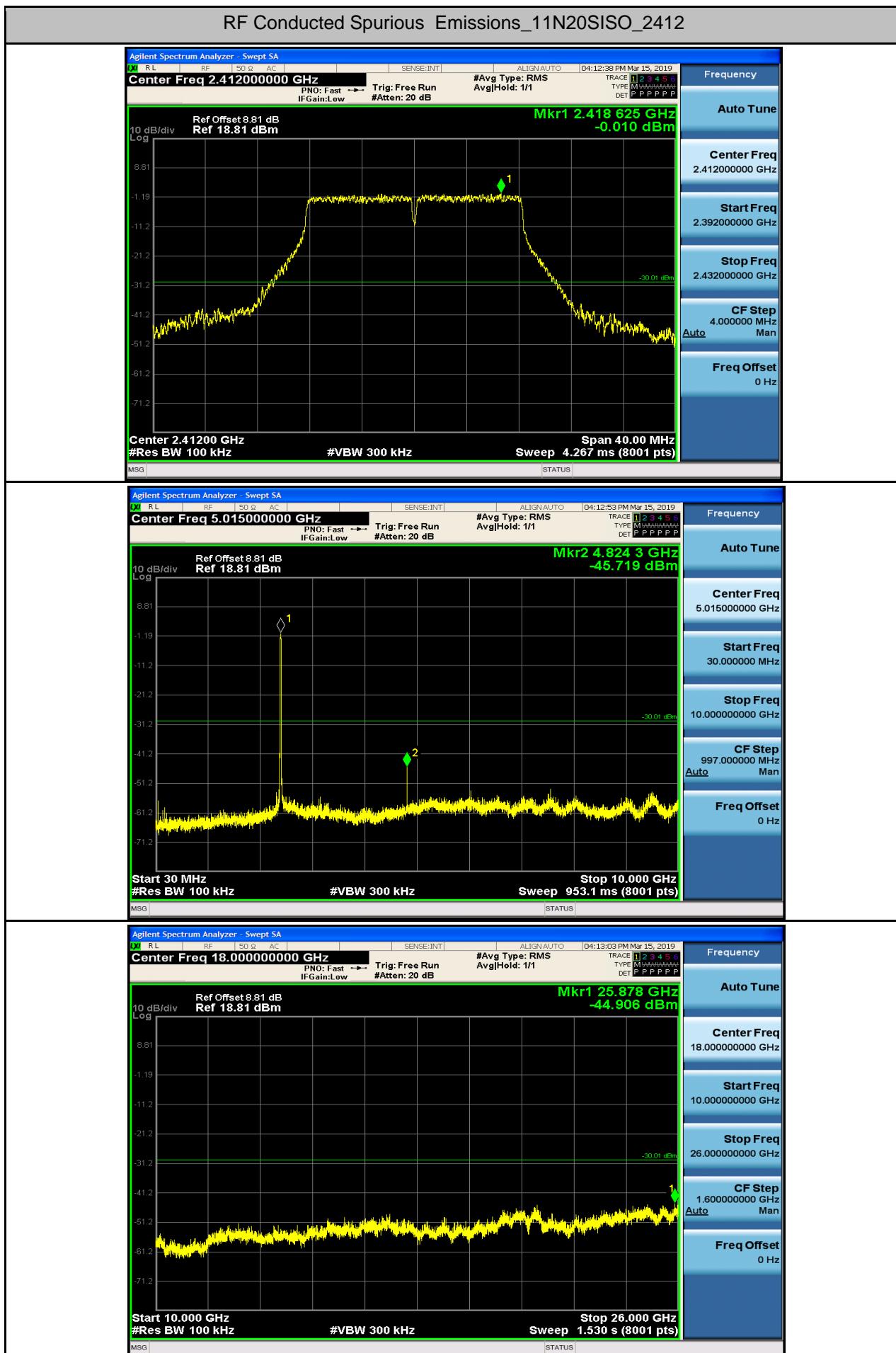


RF Conducted Spurious Emissions_11G_2437

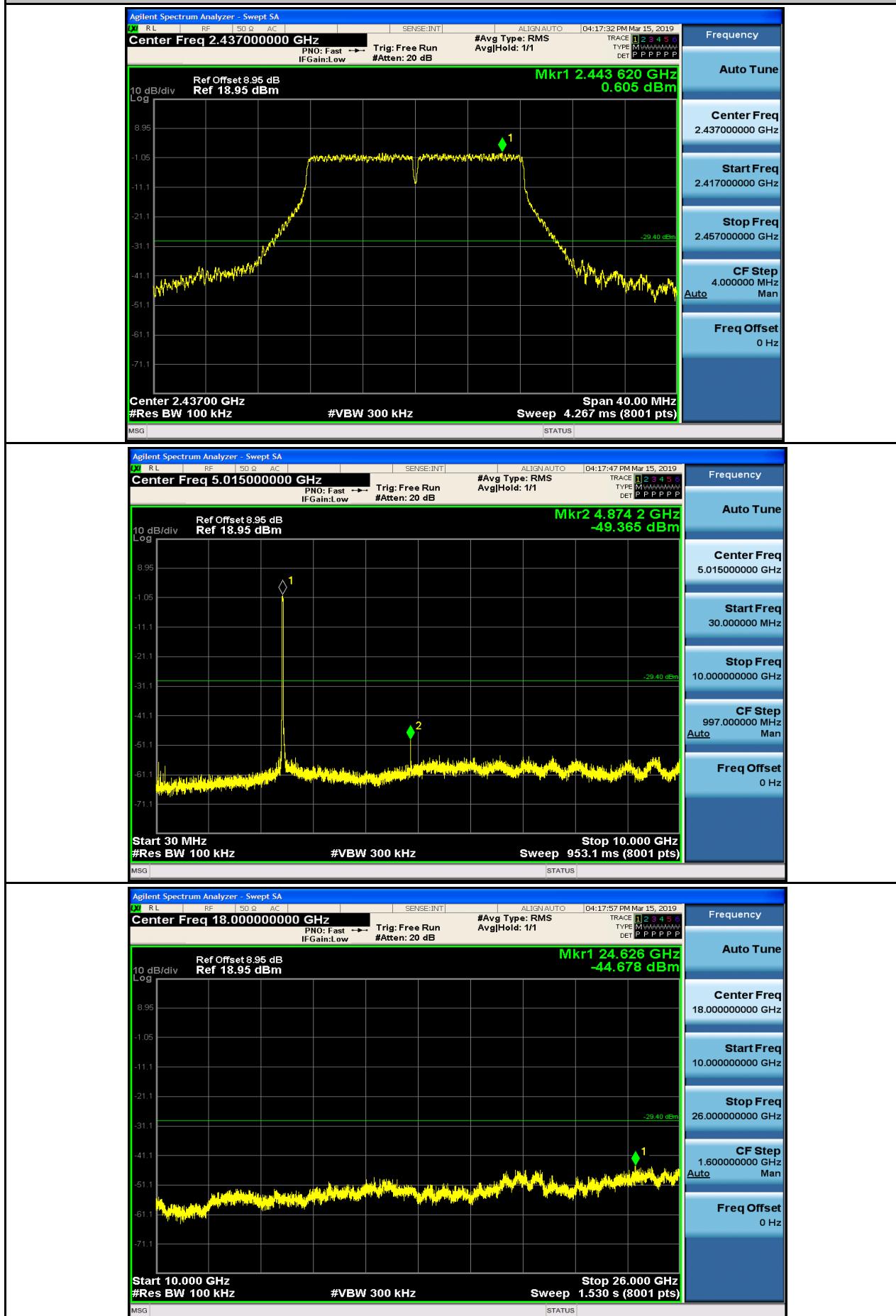


RF Conducted Spurious Emissions_11G_2462

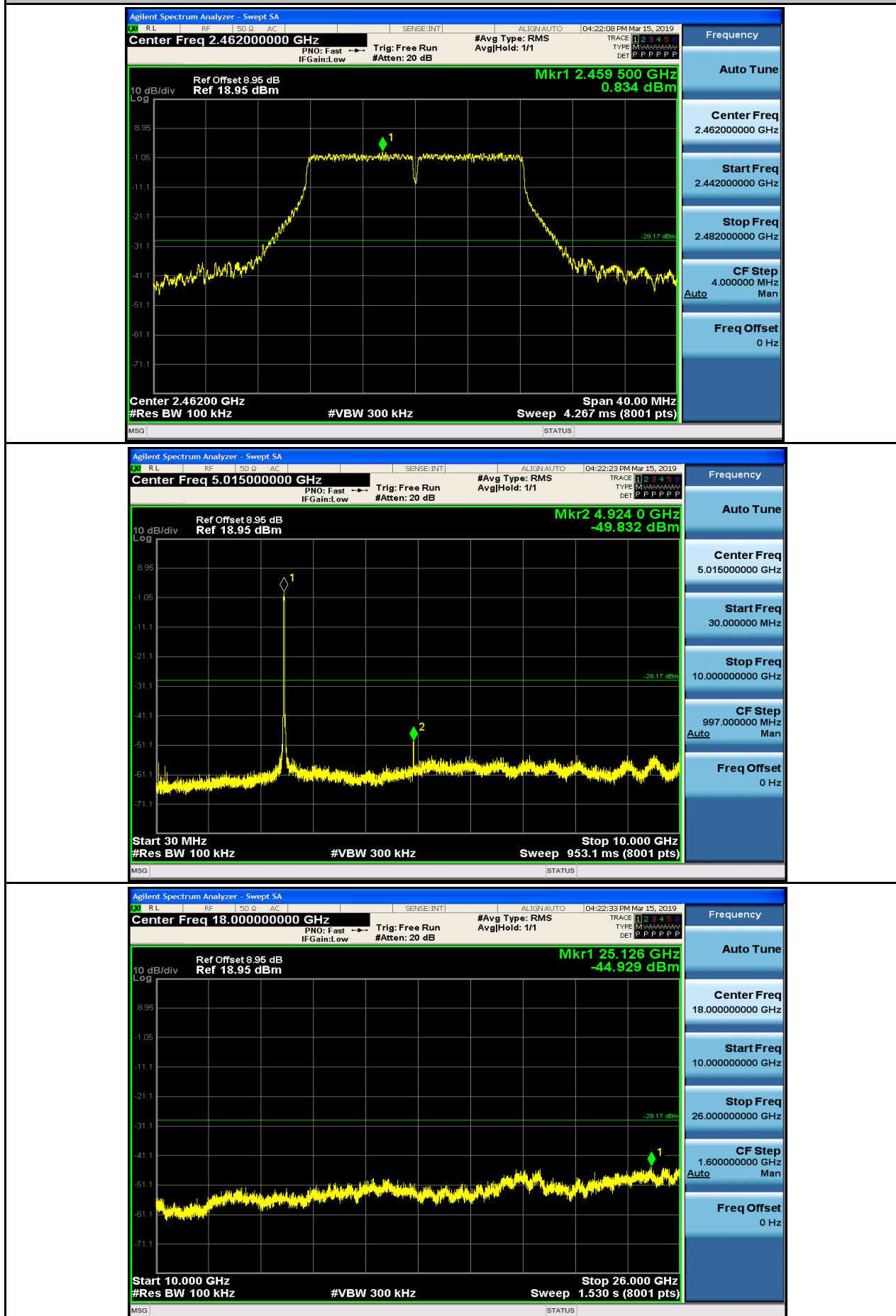


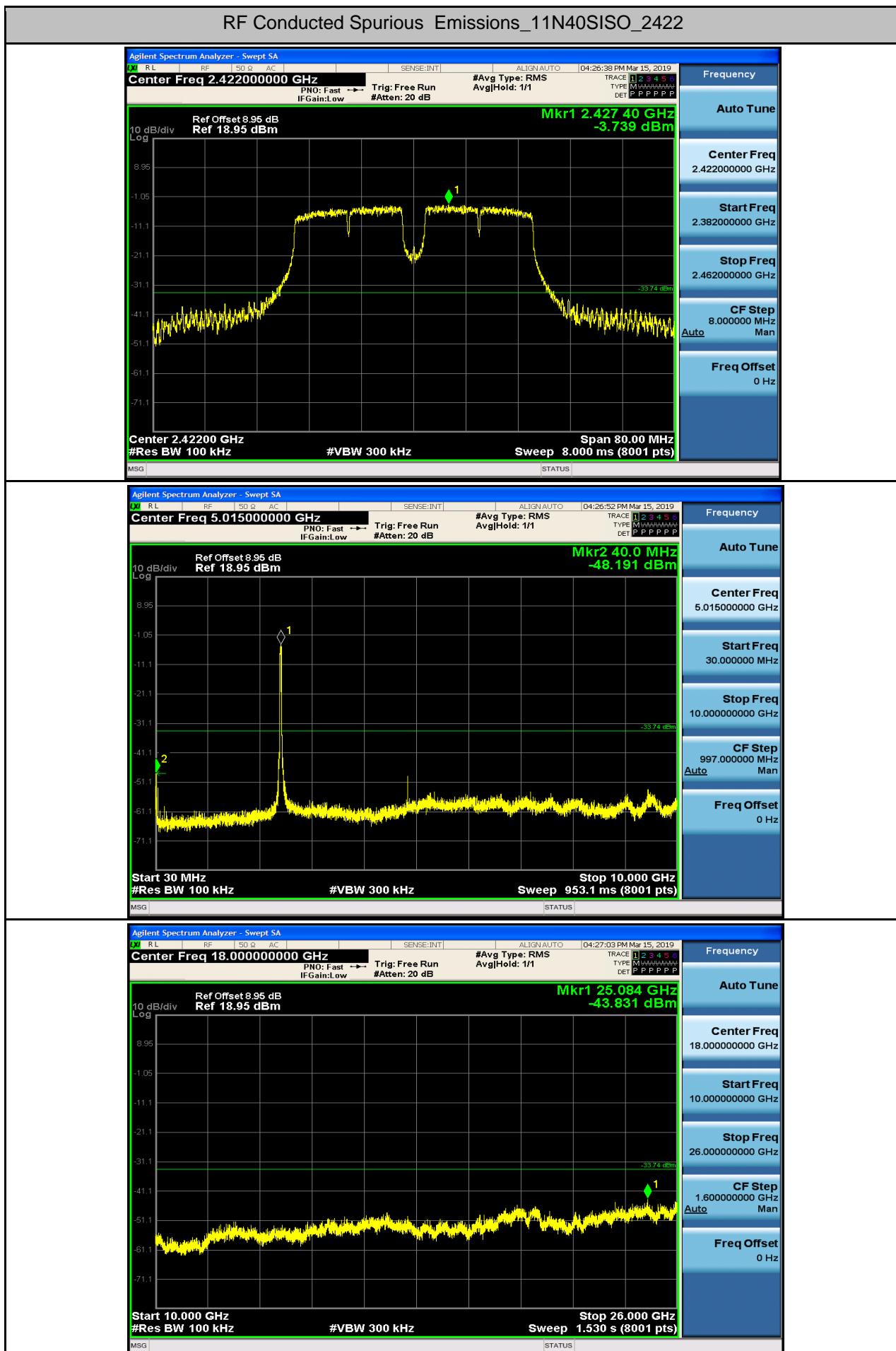


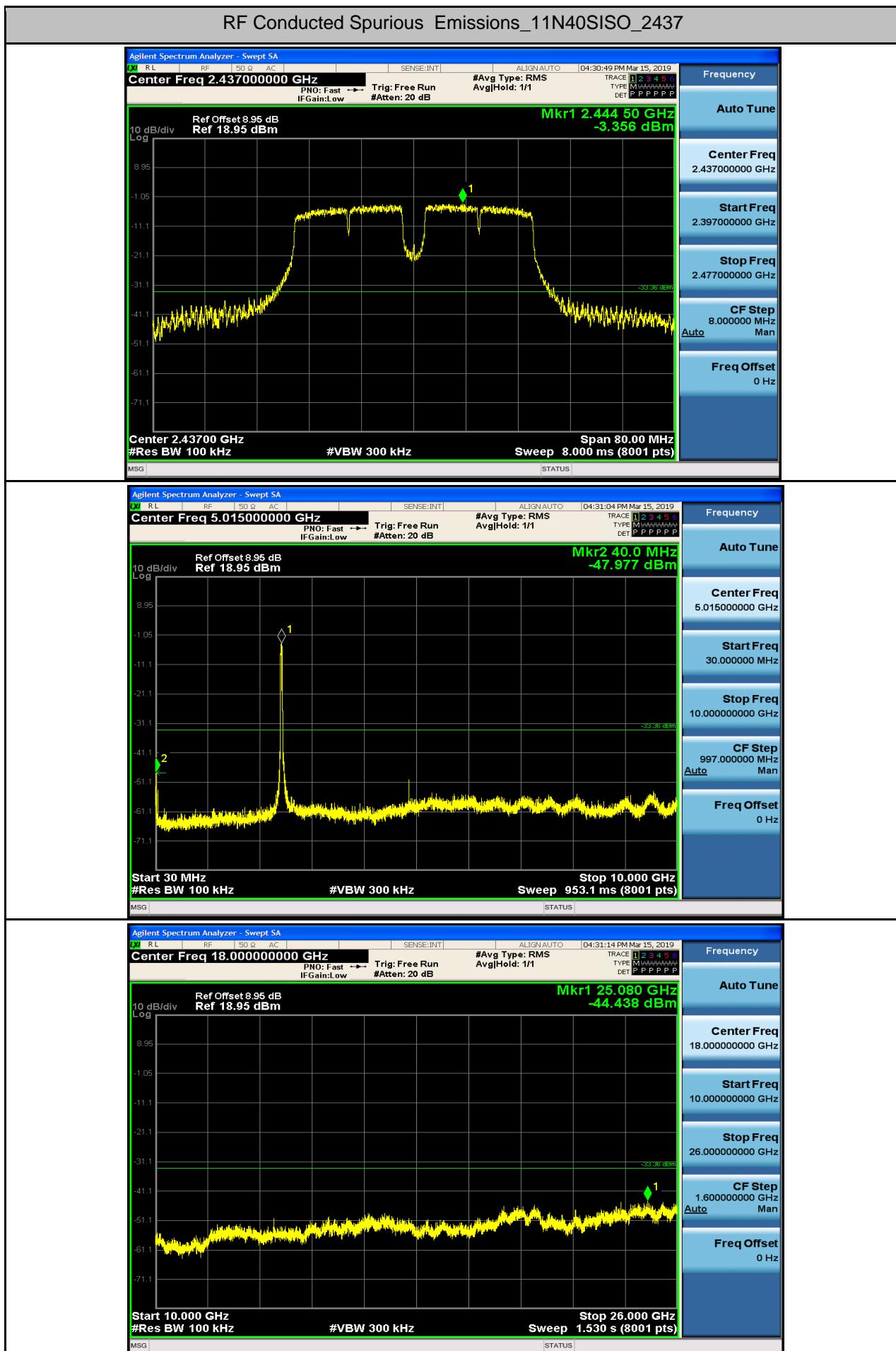
RF Conducted Spurious Emissions_11N20SISO_2437



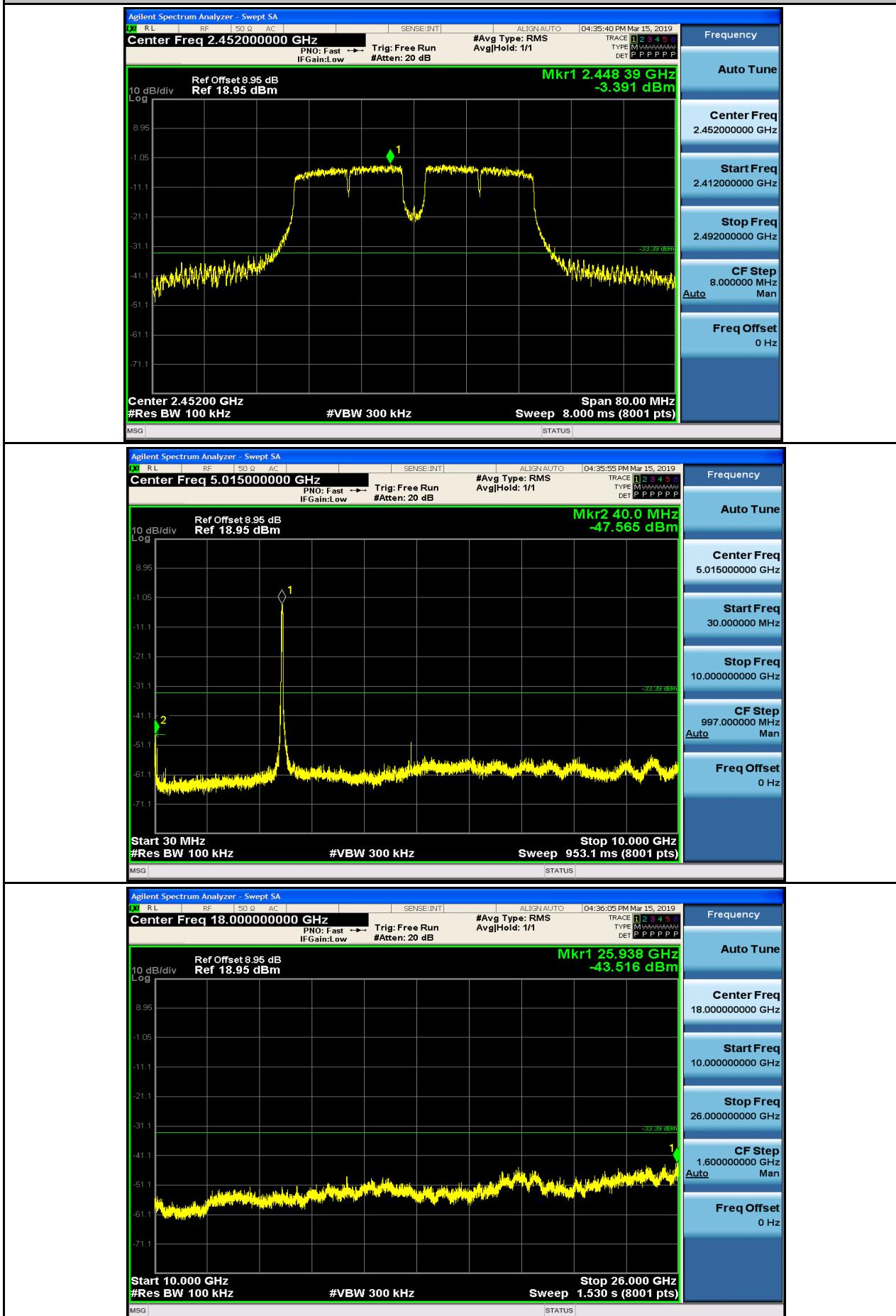
RF Conducted Spurious Emissions_11N20SISO_2462







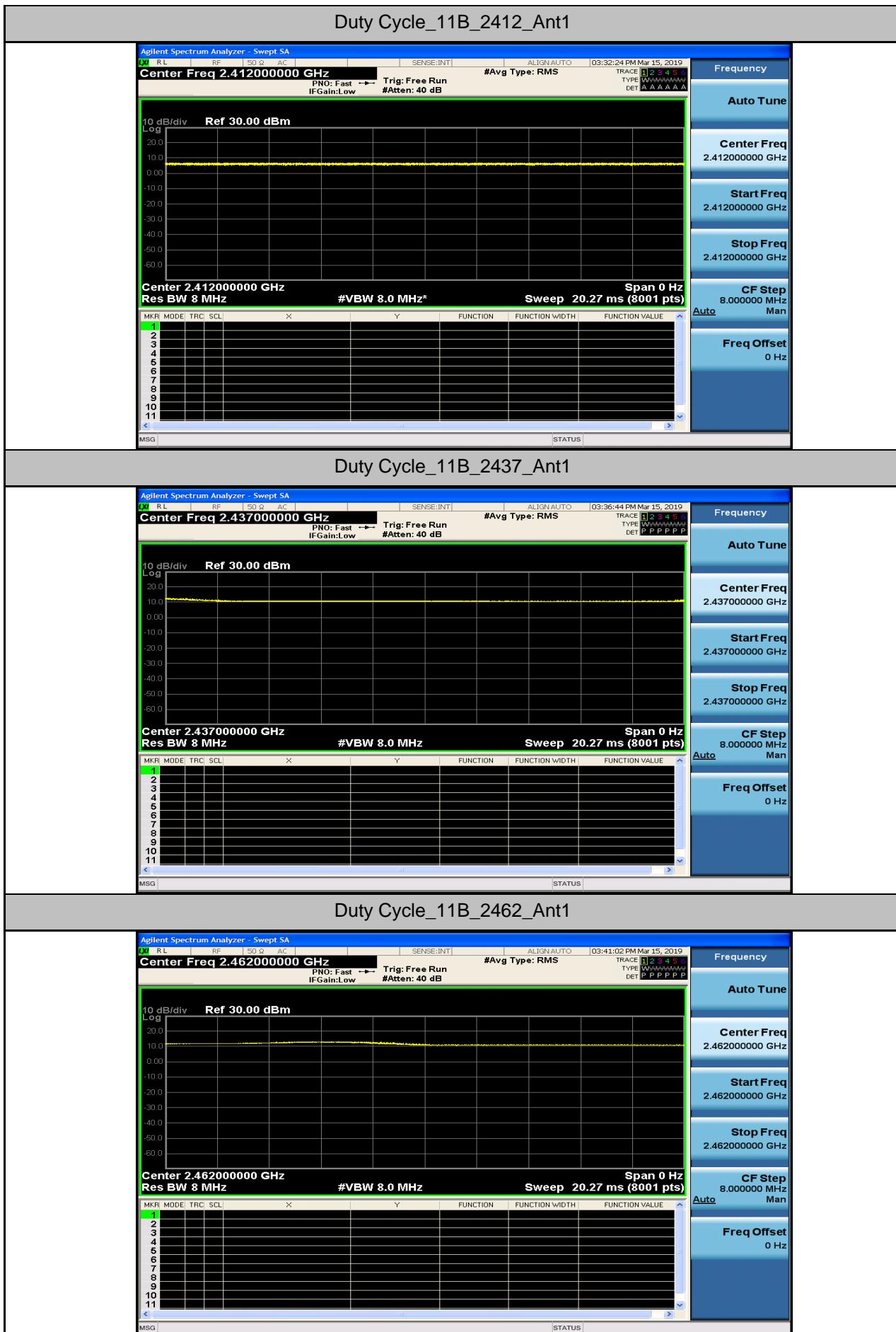
RF Conducted Spurious Emissions_11N40SISO_2452

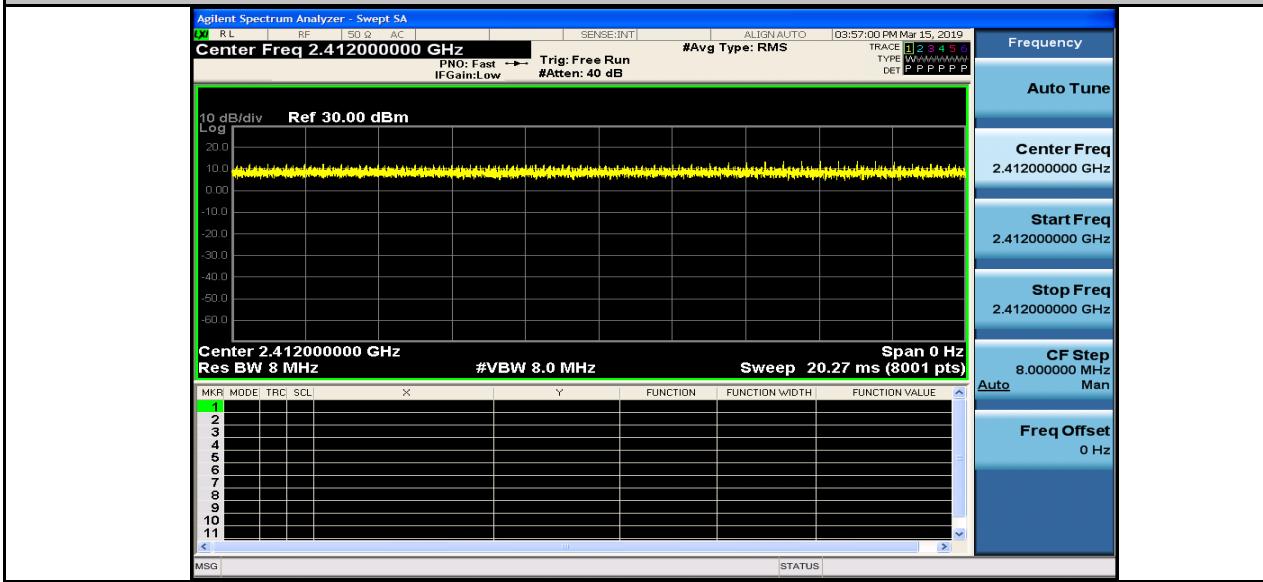
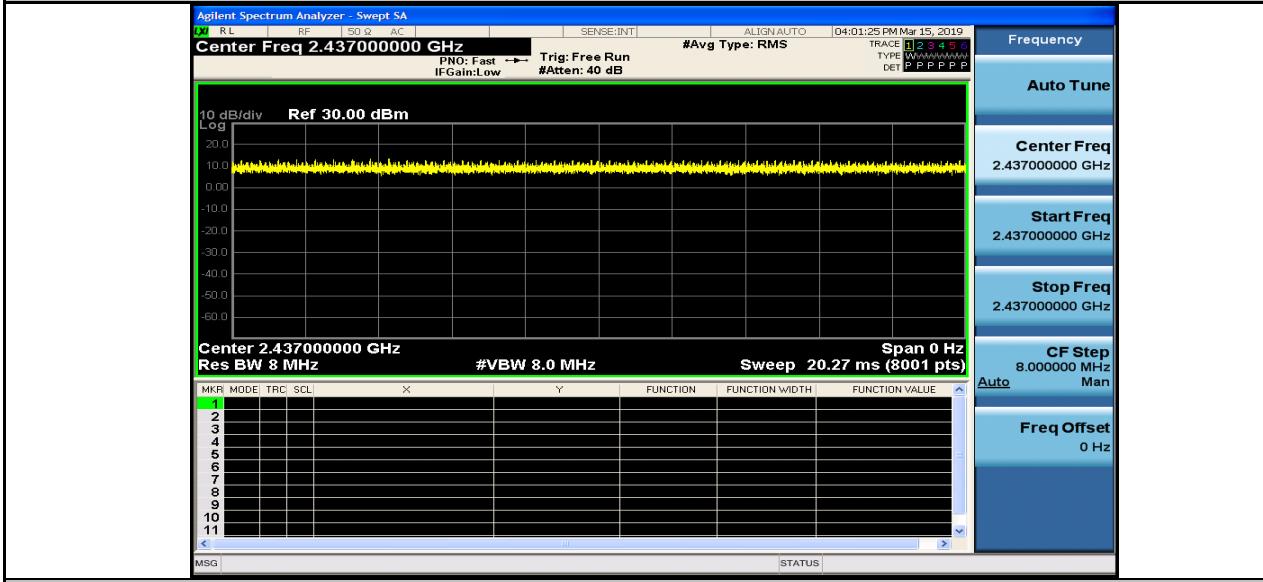
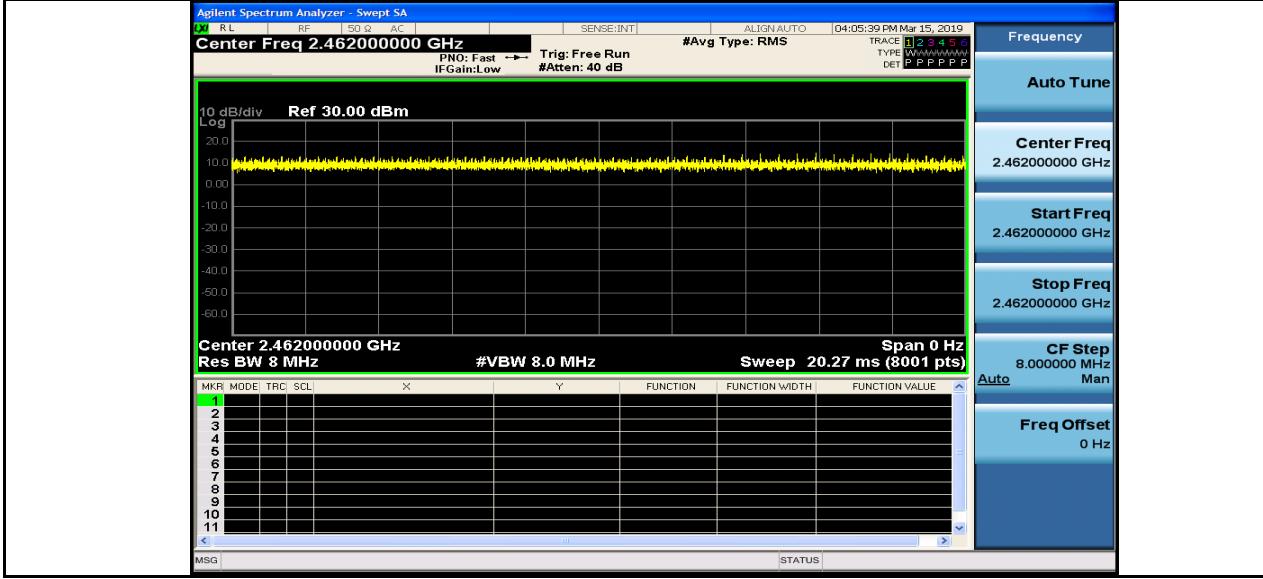




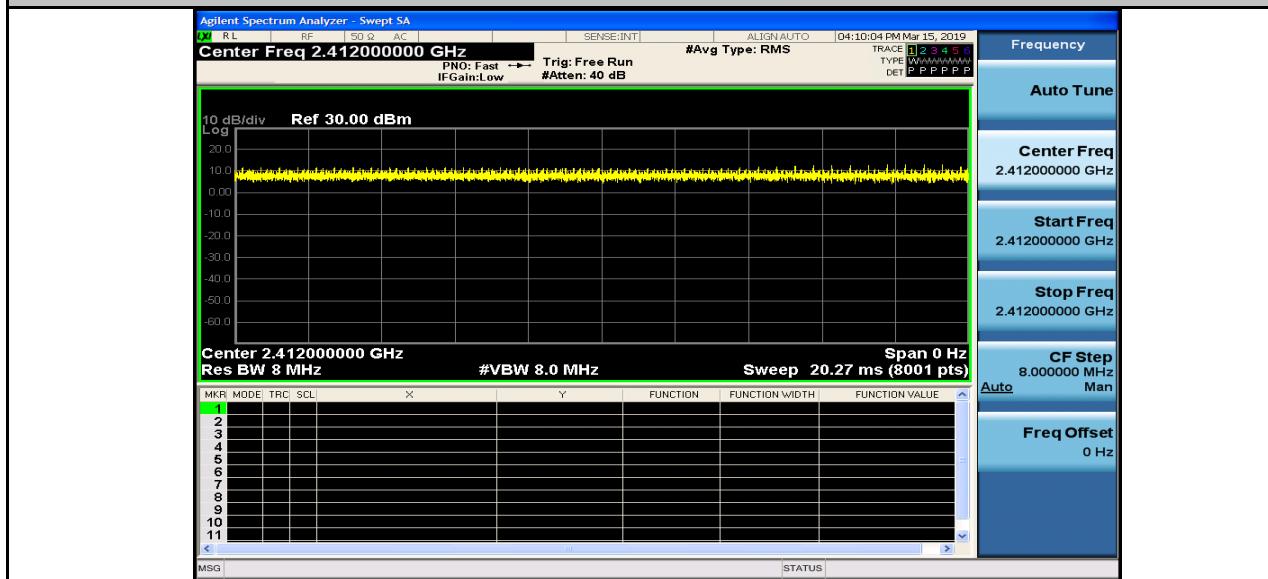
7.Duty Cycle

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

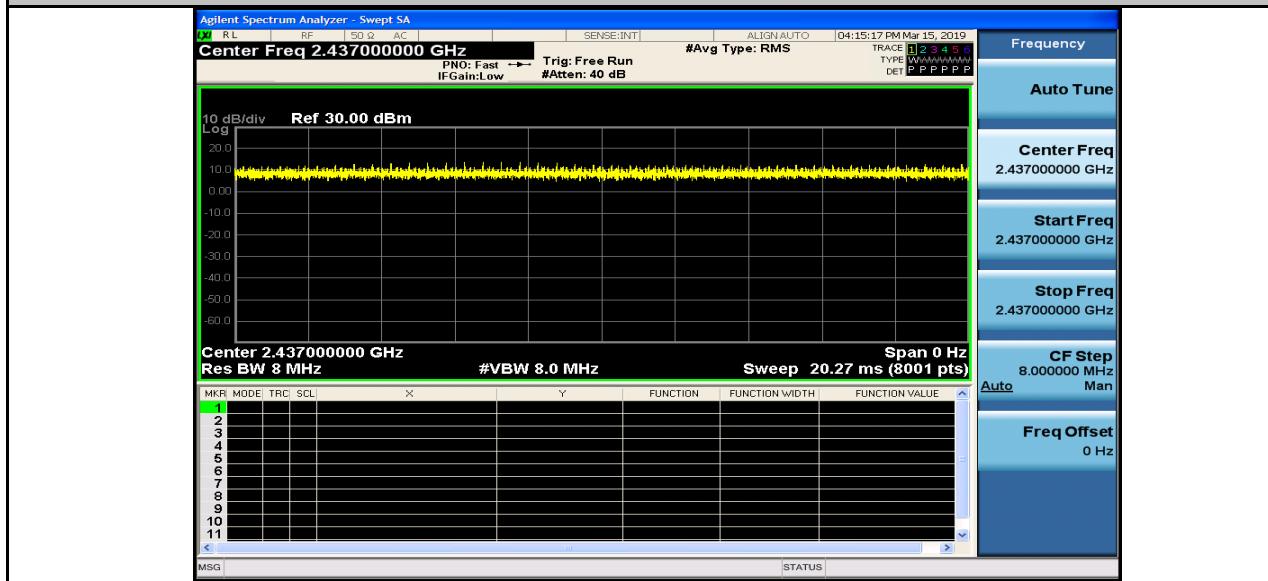


Duty Cycle_11G_2412_Ant1**Duty Cycle_11G_2437_Ant1****Duty Cycle_11G_2462_Ant1**

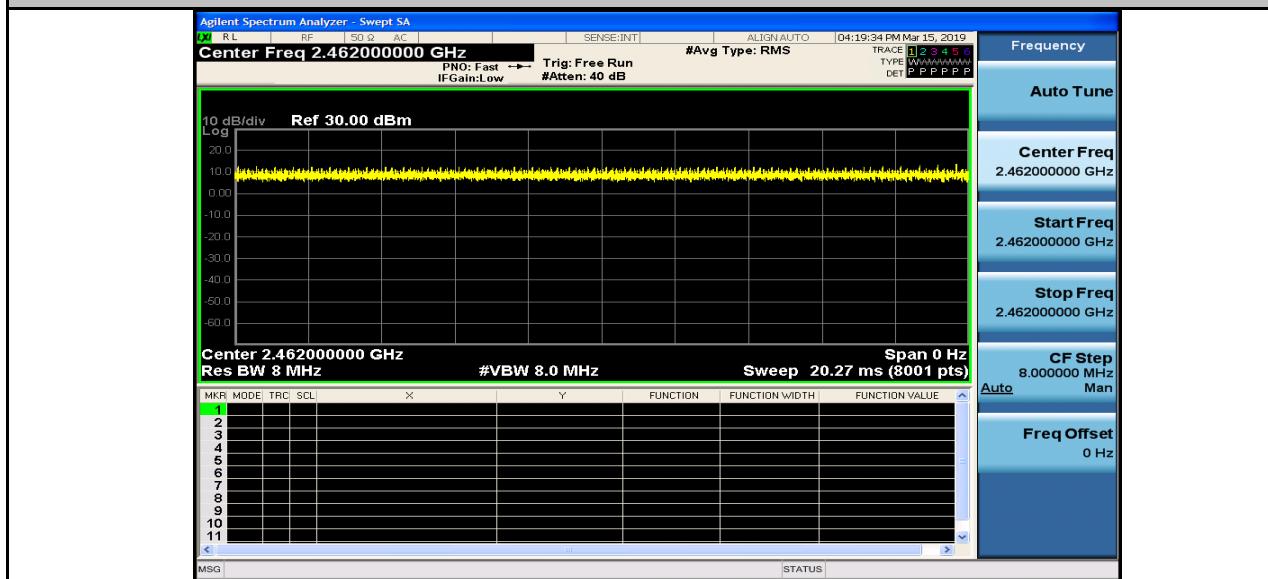
Duty Cycle_11N20SISO_2412_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N20SISO_2462_Ant1





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