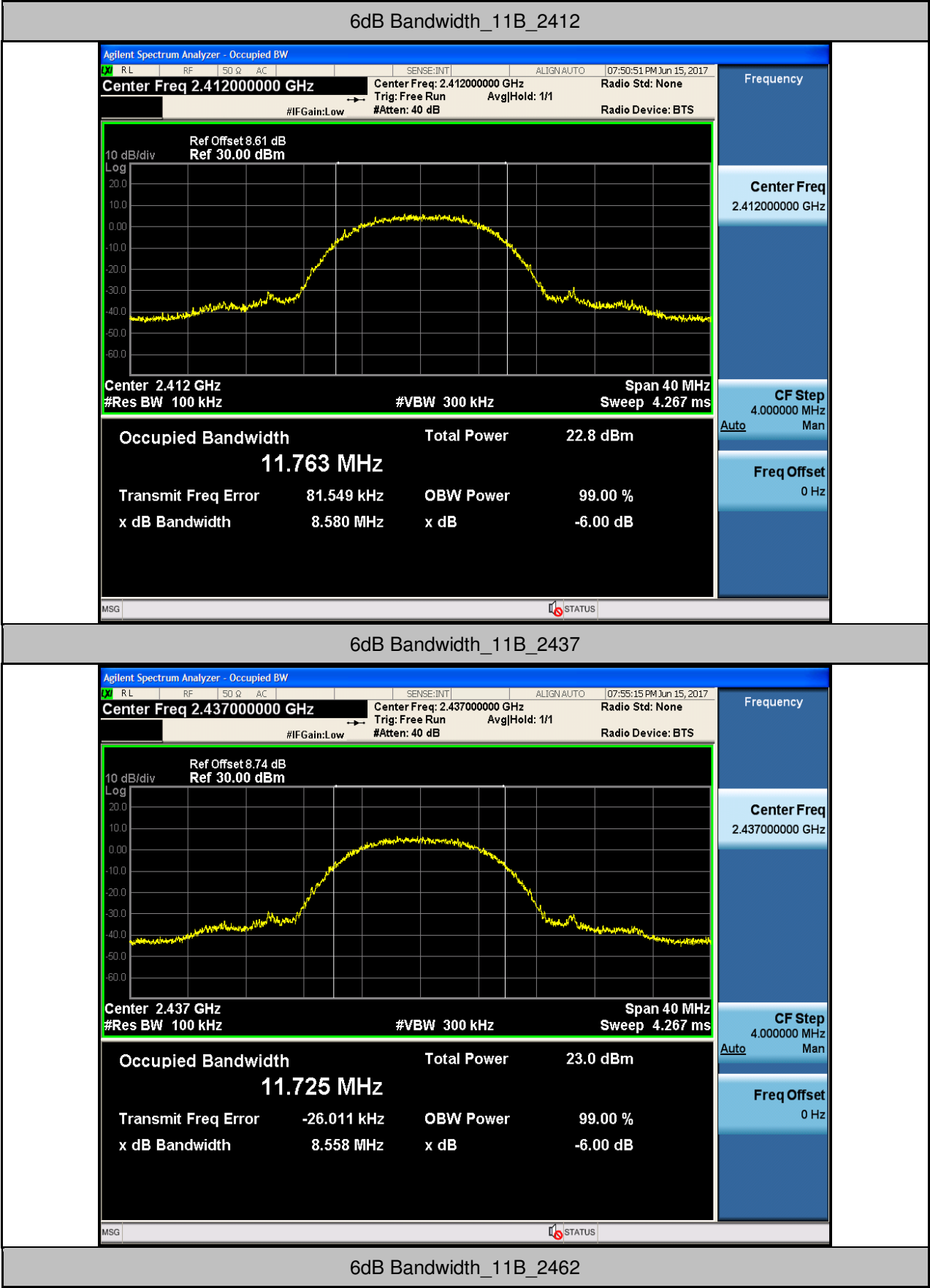
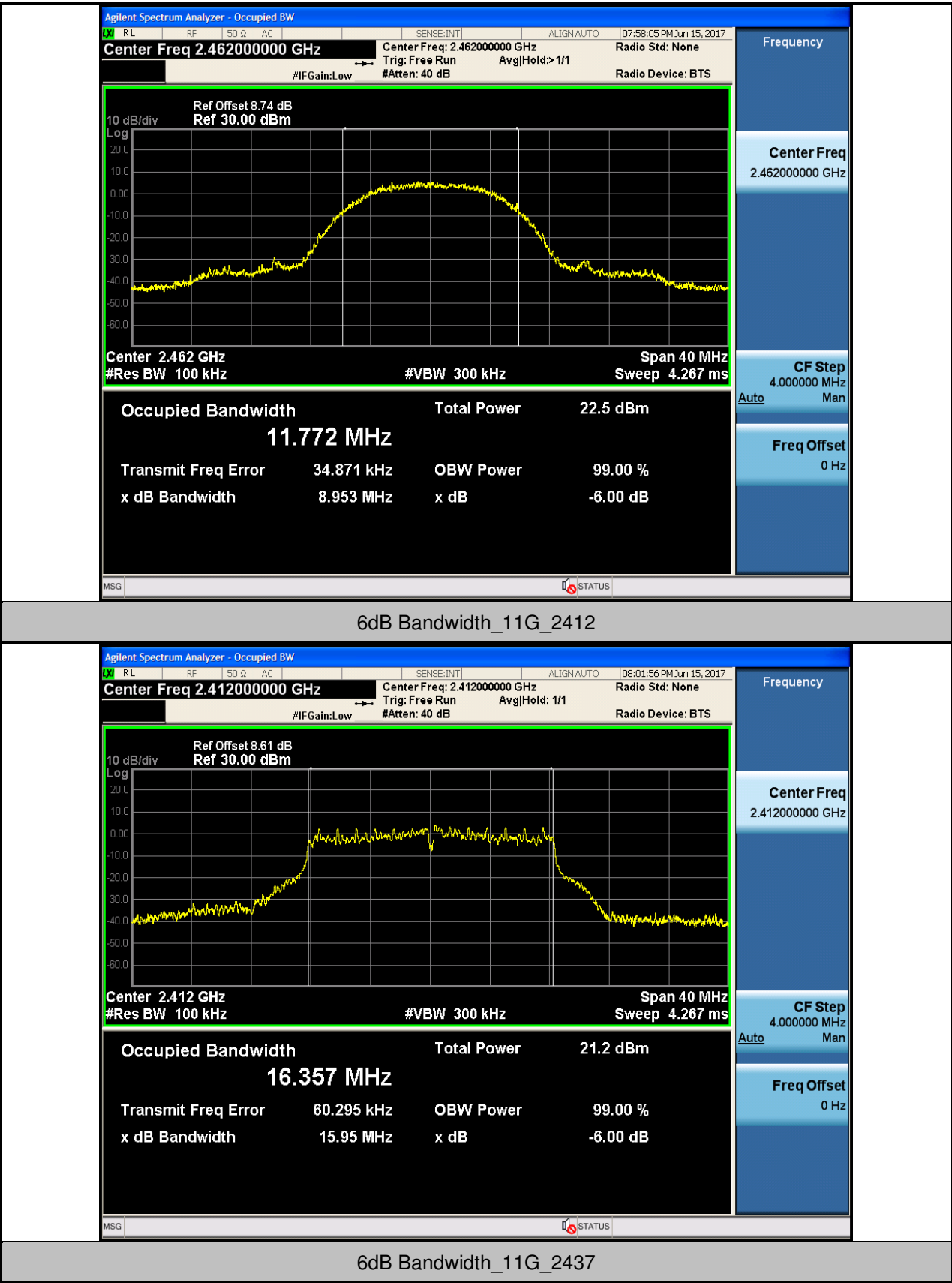


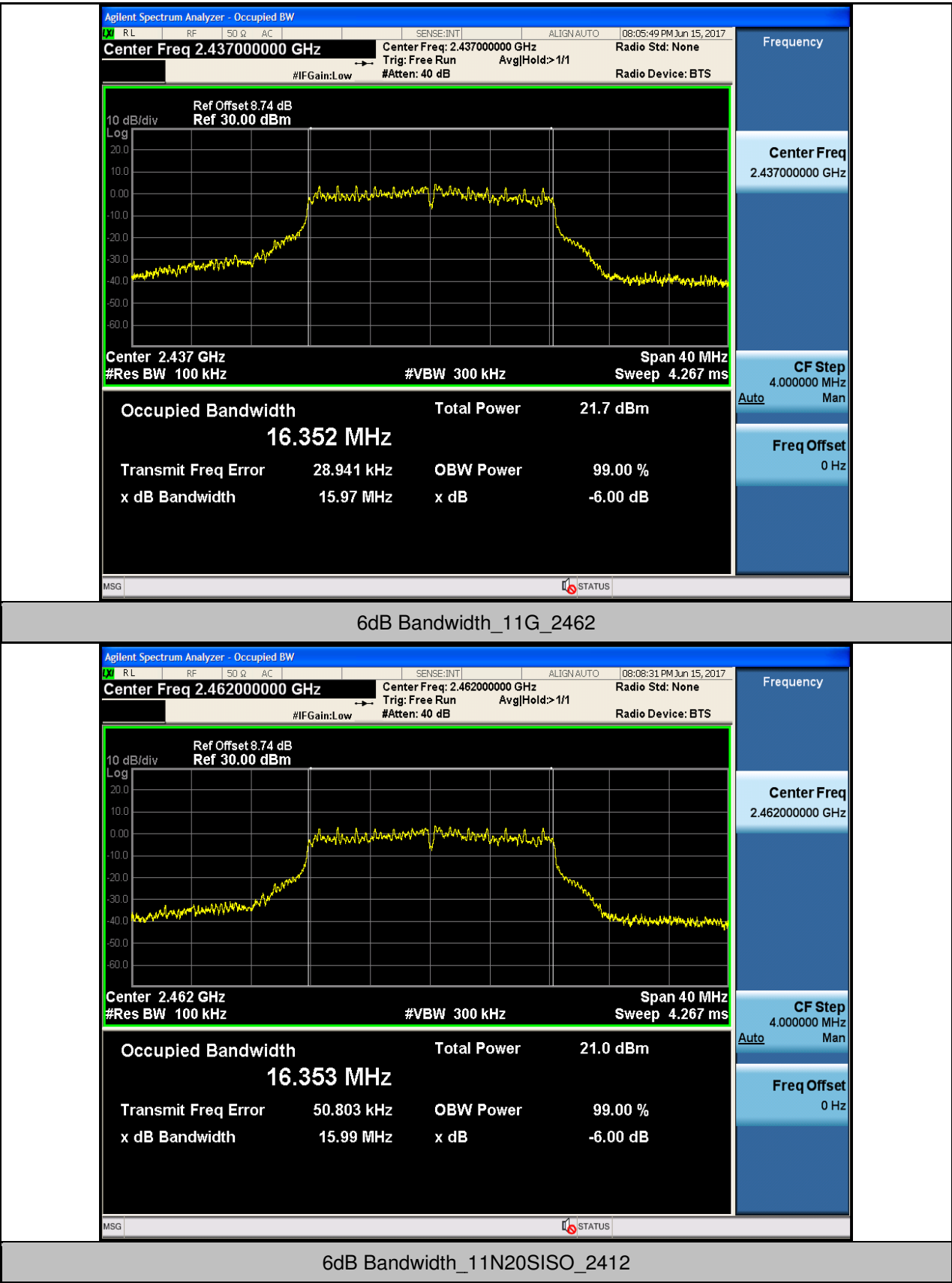
Appendix A for SHEM170400212702

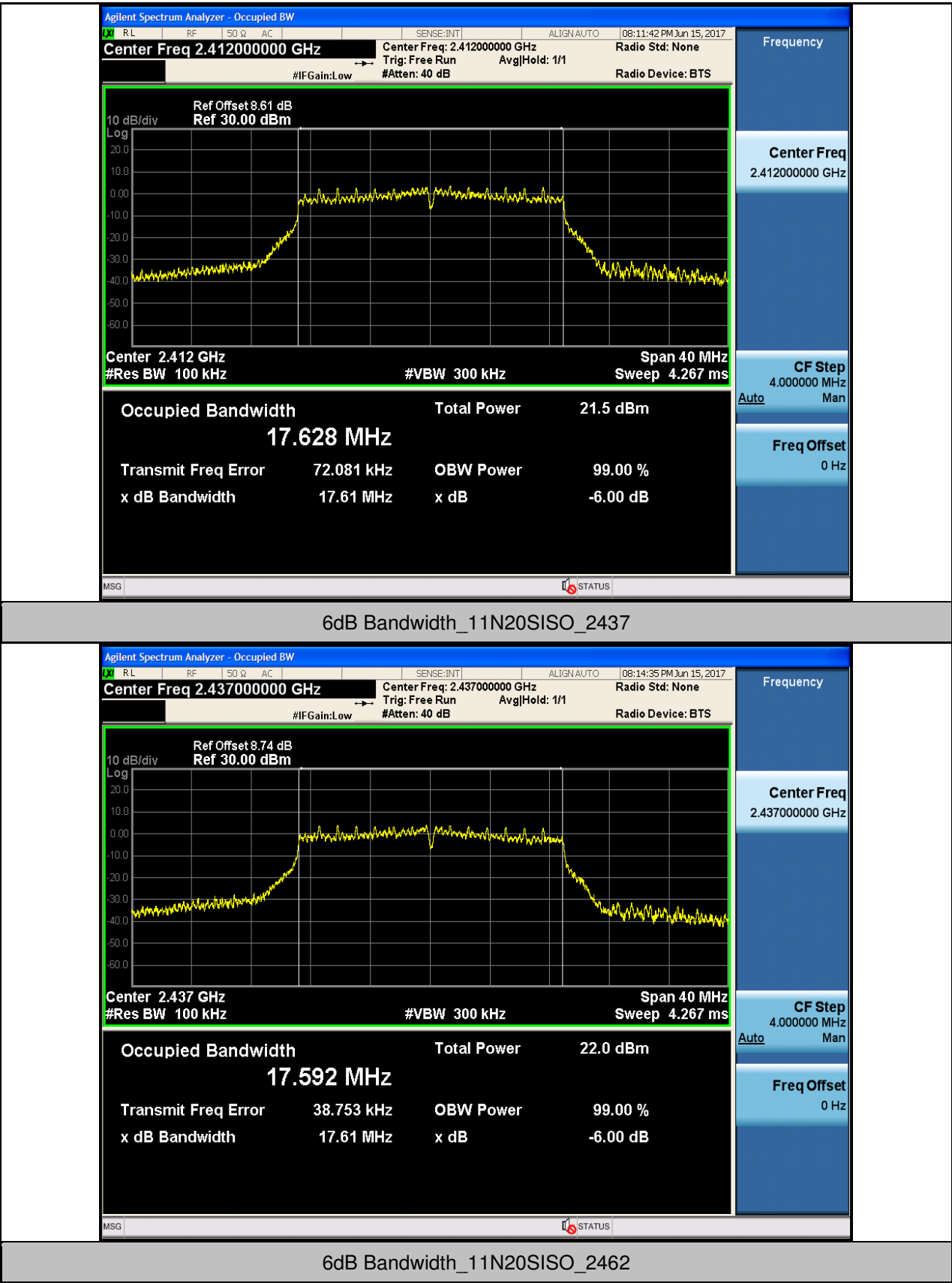
1.6dB Bandwidth

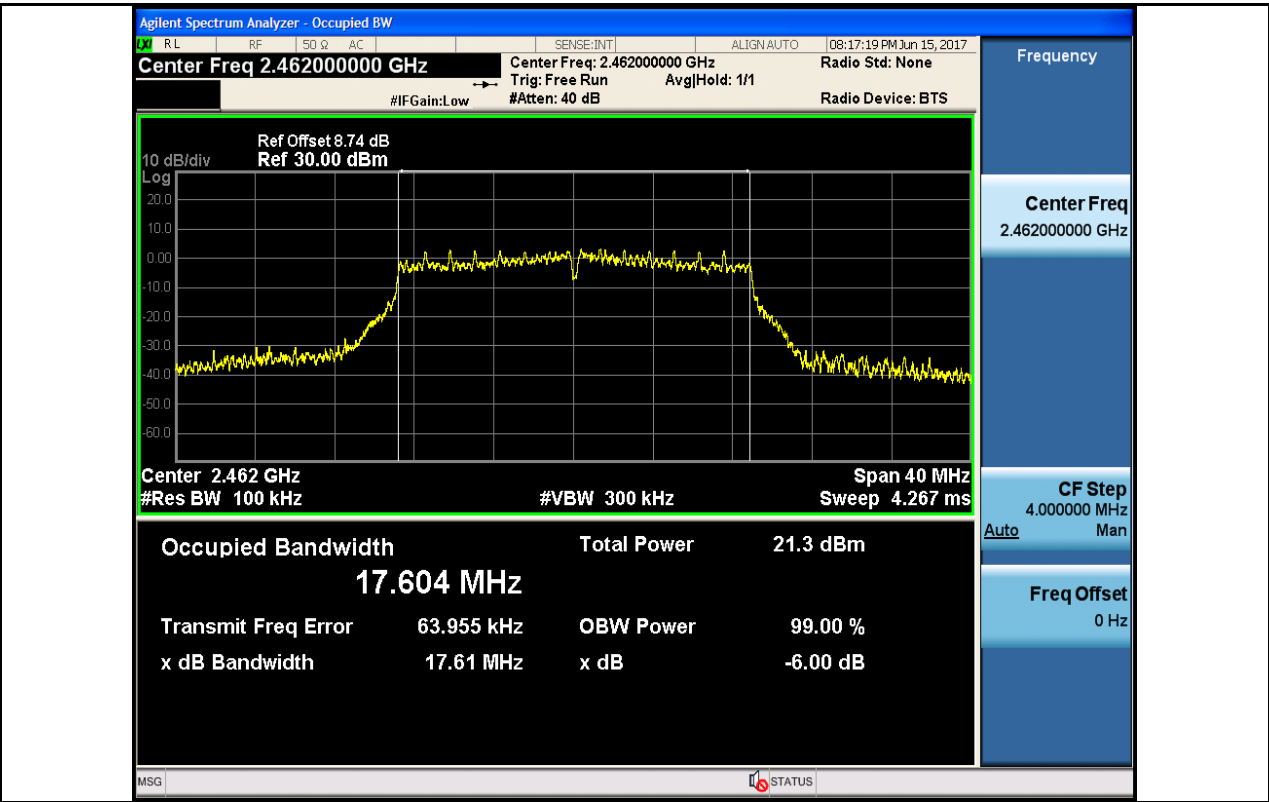
Test Mode	Test Channel	EBW[MHz]	Limit	Verdict
11B	2412	8.580	0.5	PASS
11B	2437	8.558	0.5	PASS
11B	2462	8.953	0.5	PASS
11G	2412	15.95	0.5	PASS
11G	2437	15.97	0.5	PASS
11G	2462	15.99	0.5	PASS
11N20SISO	2412	17.61	0.5	PASS
11N20SISO	2437	17.61	0.5	PASS
11N20SISO	2462	17.61	0.5	PASS
11N40SISO	2422	35.77	0.5	PASS
11N40SISO	2437	35.99	0.5	PASS
11N40SISO	2452	36.03	0.5	PASS



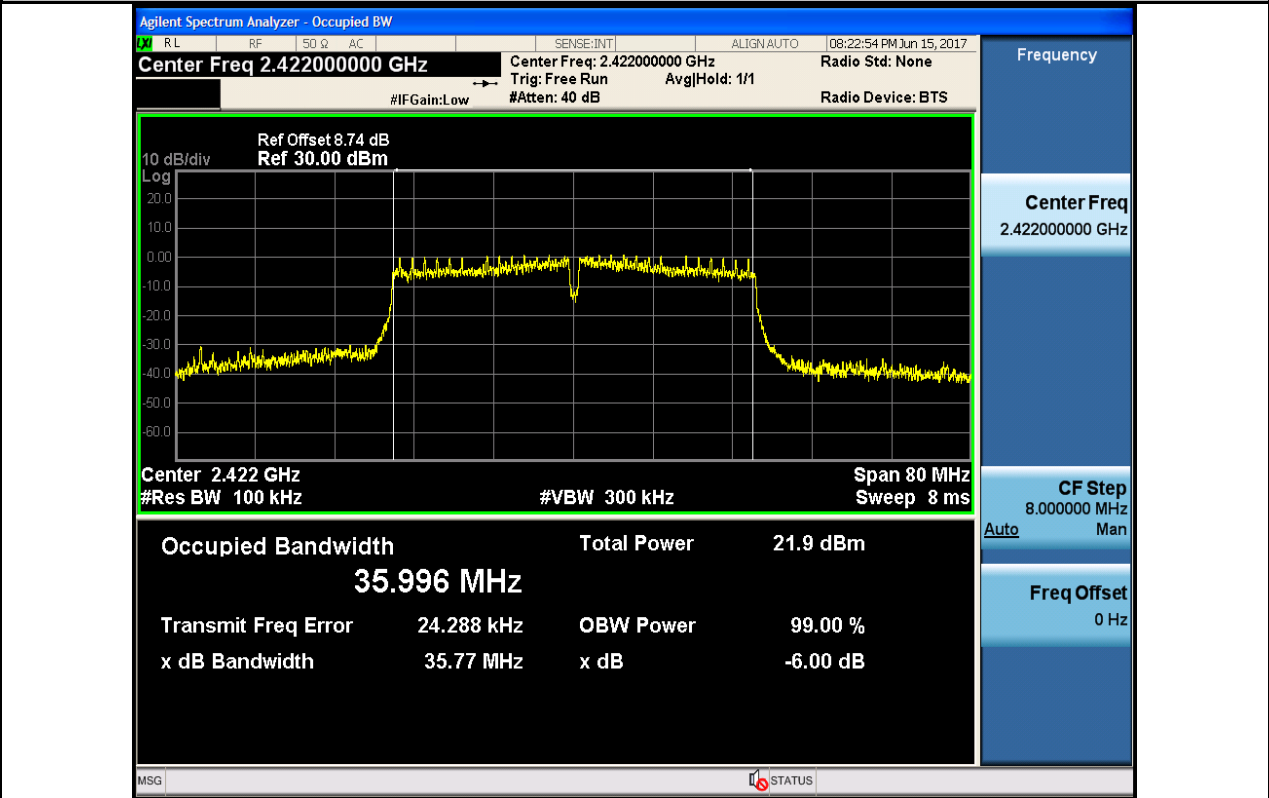




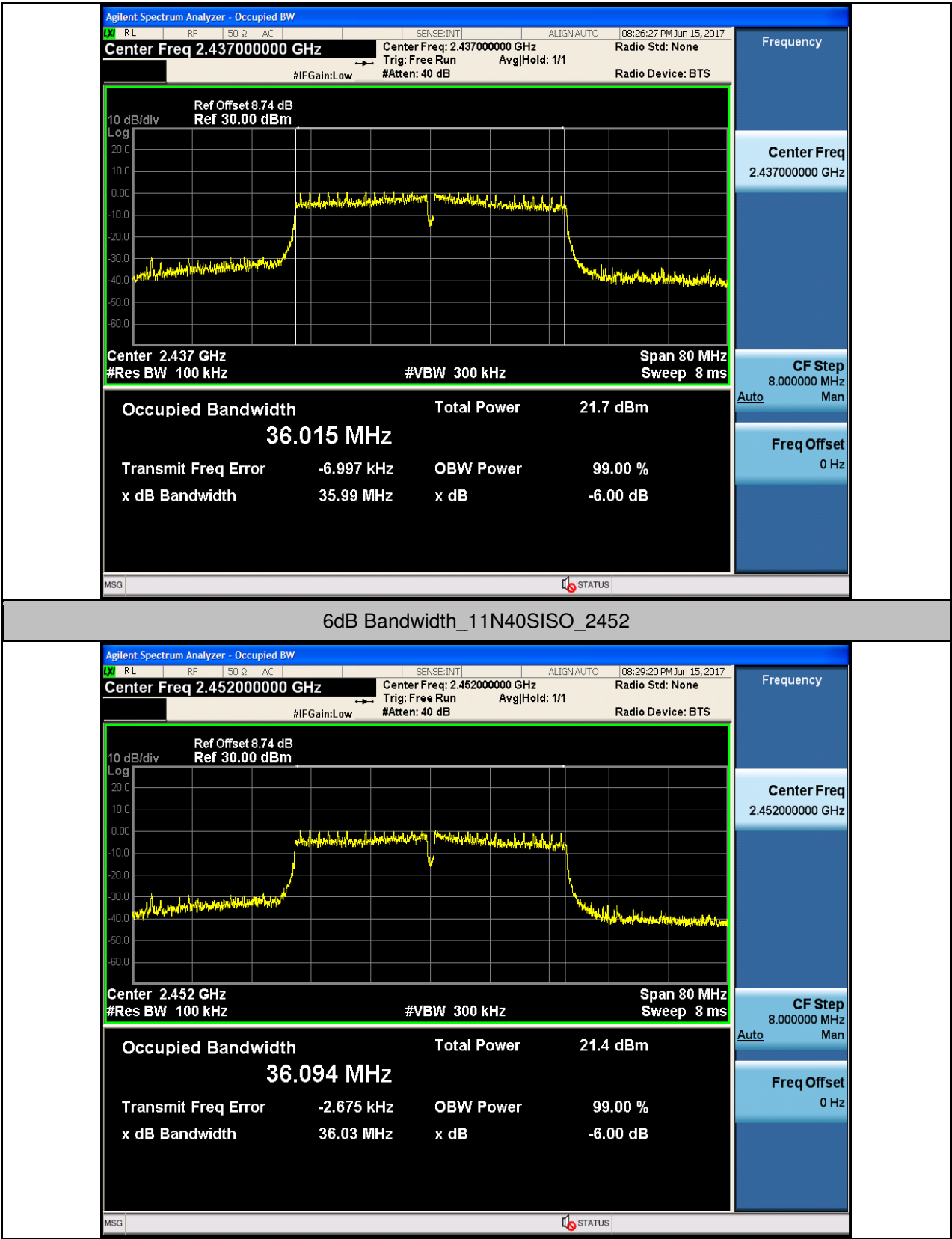




6dB Bandwidth_11N40SISO_2422



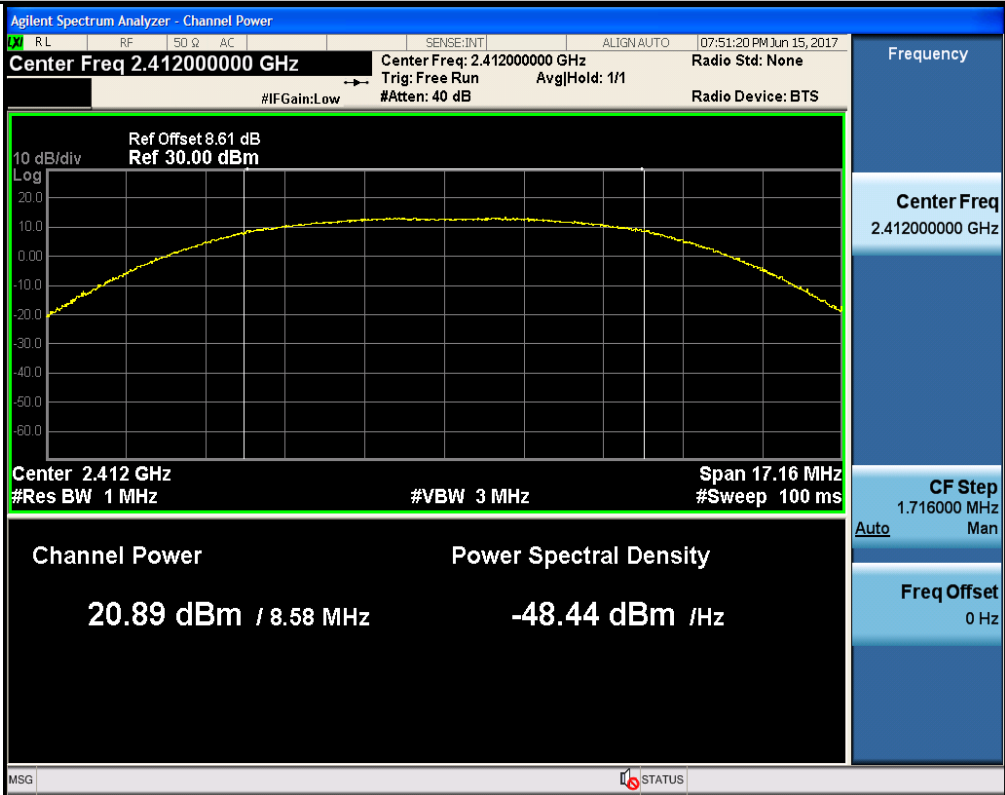
6dB Bandwidth_11N40SISO_2437



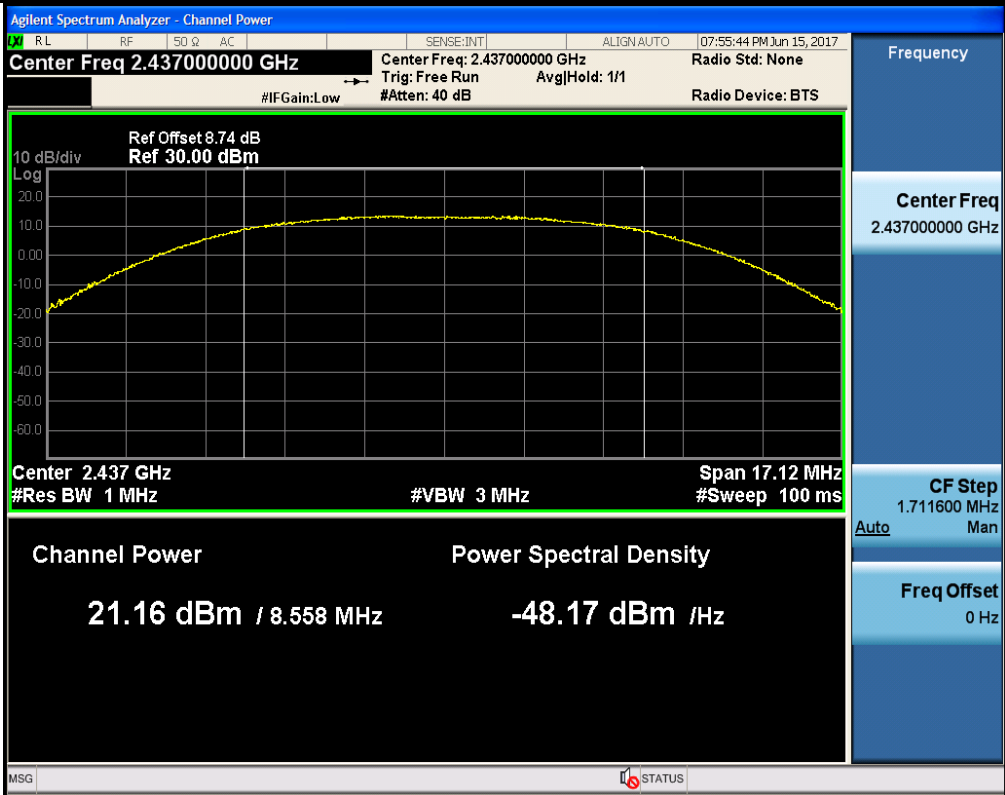
2.Maximum peak conducted output power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
11B	2412	20.89	30	PASS
11B	2437	21.16	30	PASS
11B	2462	20.74	30	PASS
11G	2412	22.45	30	PASS
11G	2437	22.99	30	PASS
11G	2462	22.24	30	PASS
11N20SISO	2412	22.66	30	PASS
11N20SISO	2437	23.19	30	PASS
11N20SISO	2462	22.47	30	PASS
11N40SISO	2422	23.14	30	PASS
11N40SISO	2437	22.98	30	PASS
11N40SISO	2452	22.61	30	PASS

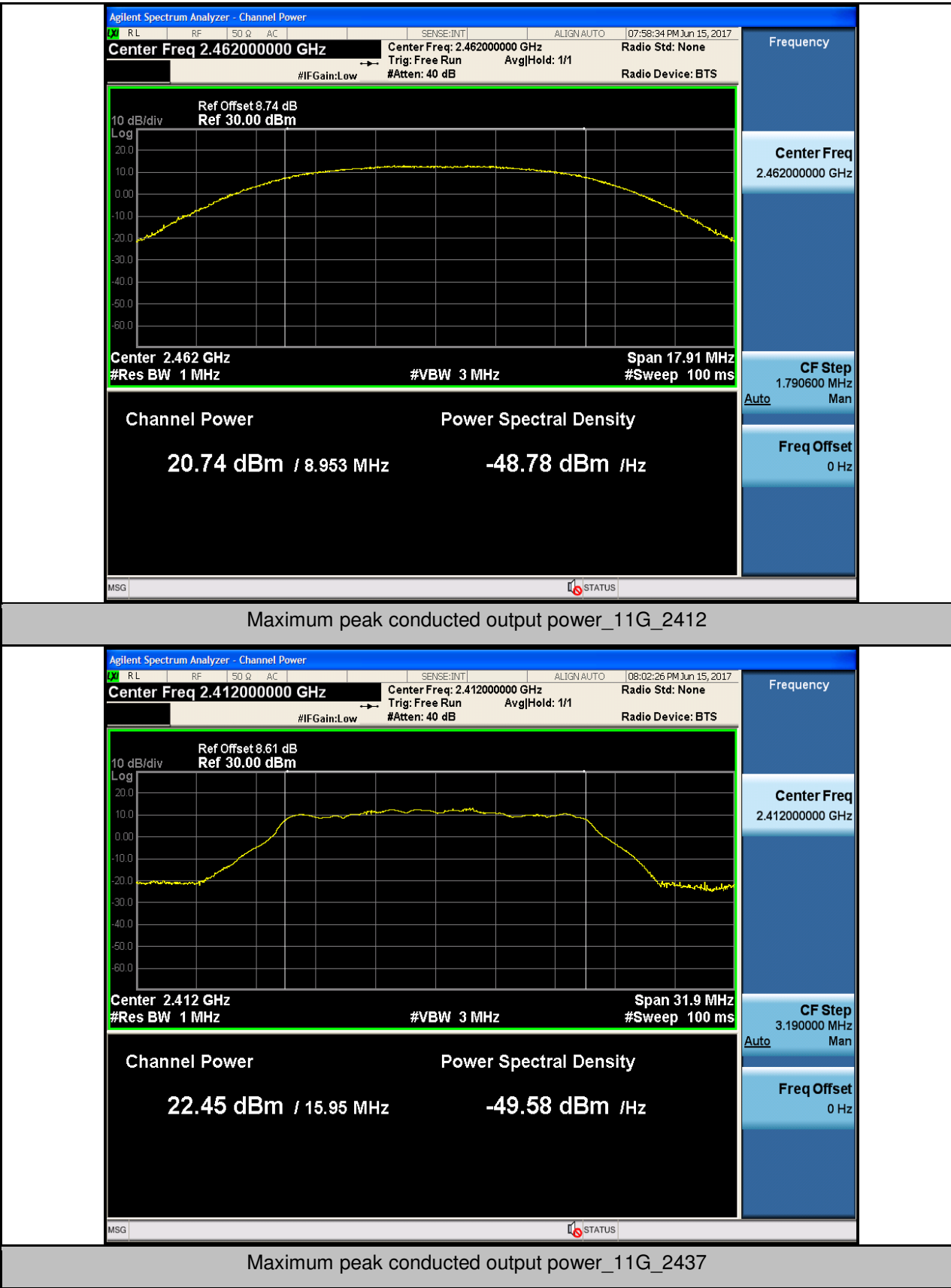
Maximum peak conducted output power_11B_2412



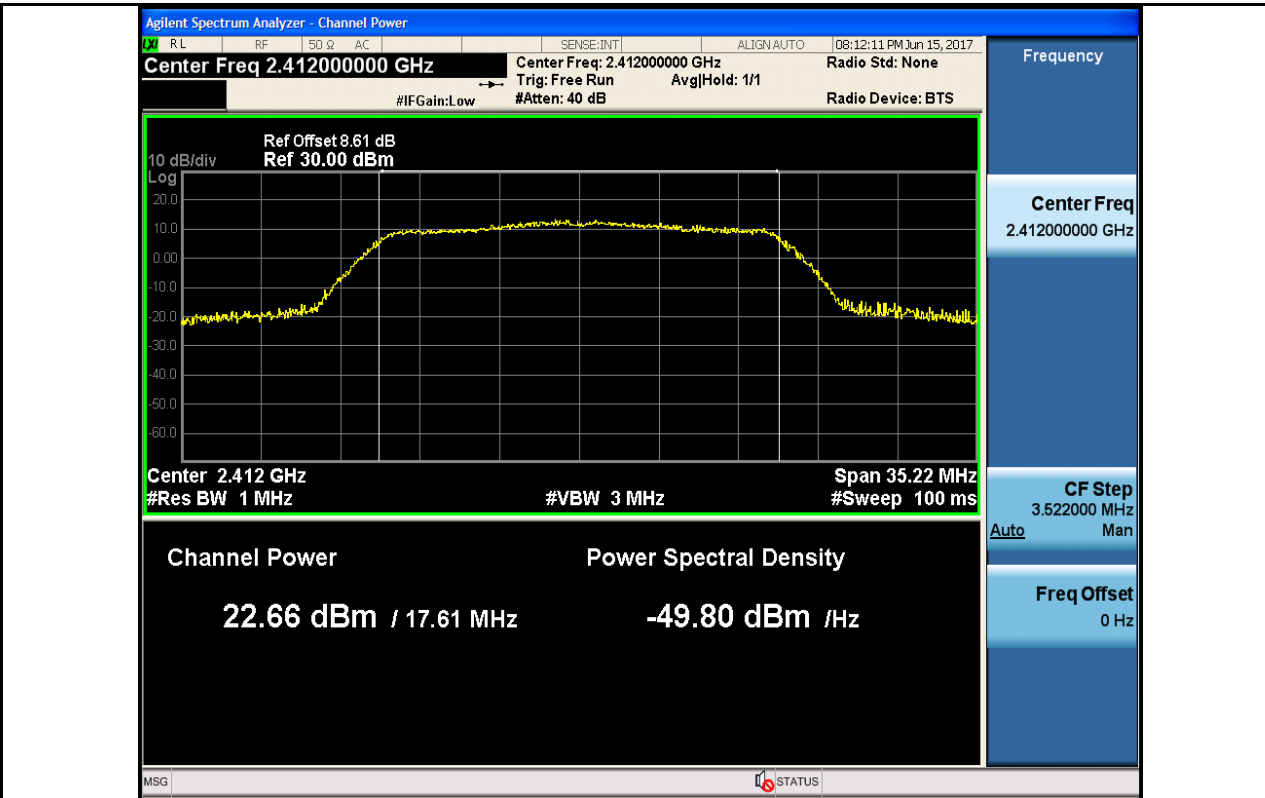
Maximum peak conducted output power_11B_2437



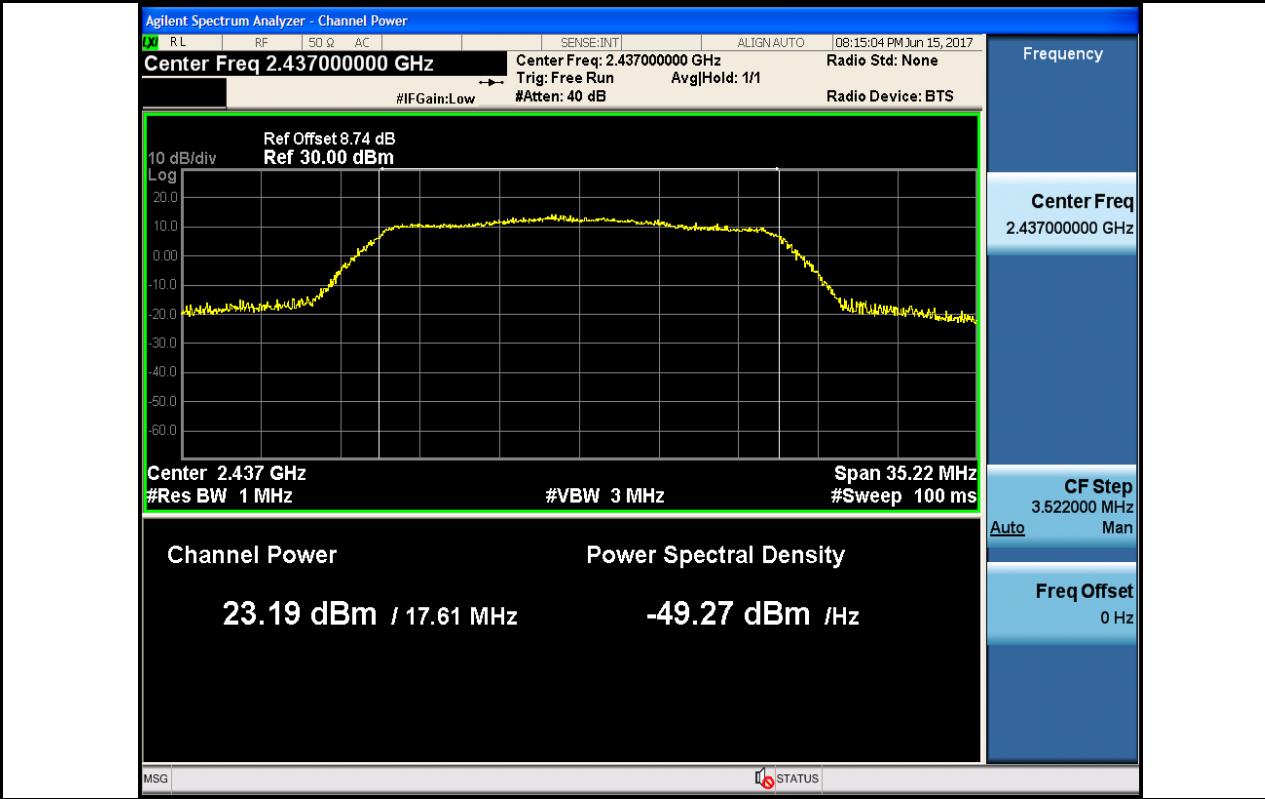
Maximum peak conducted output power_11B_2462



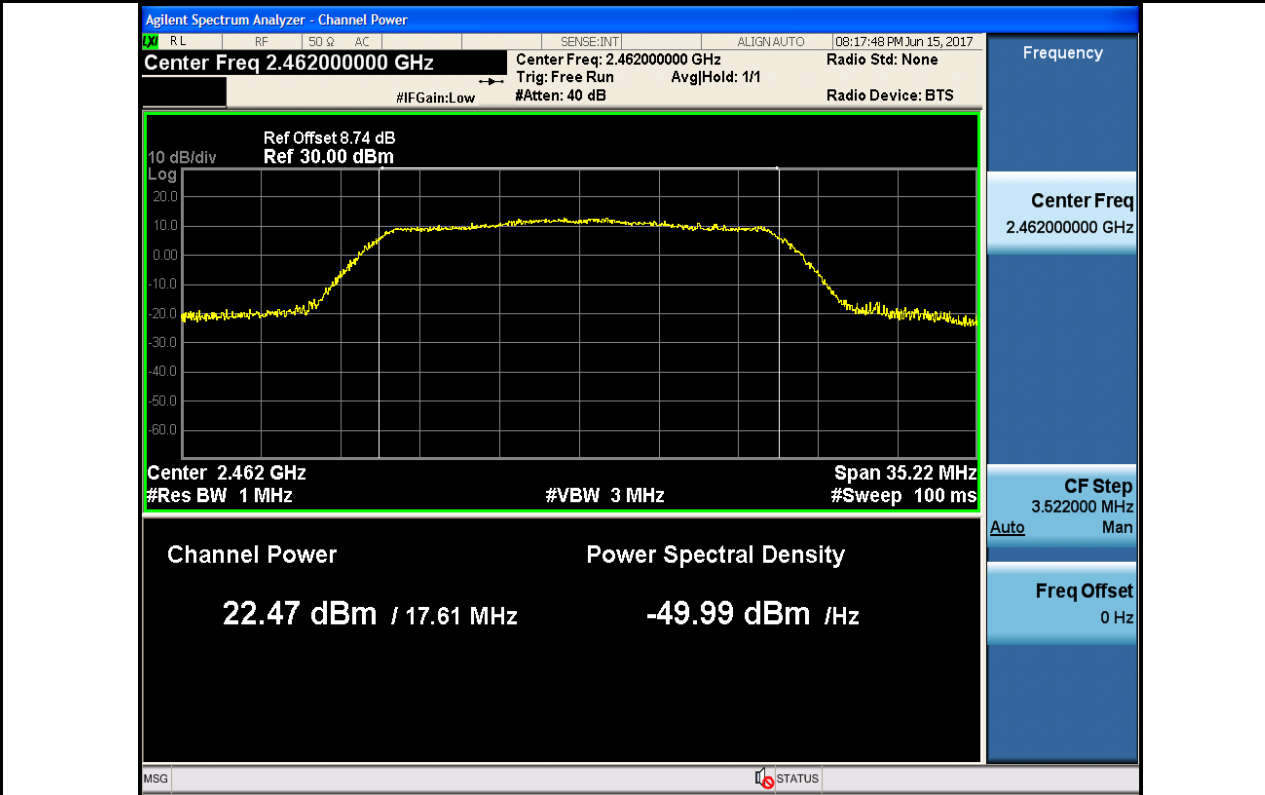




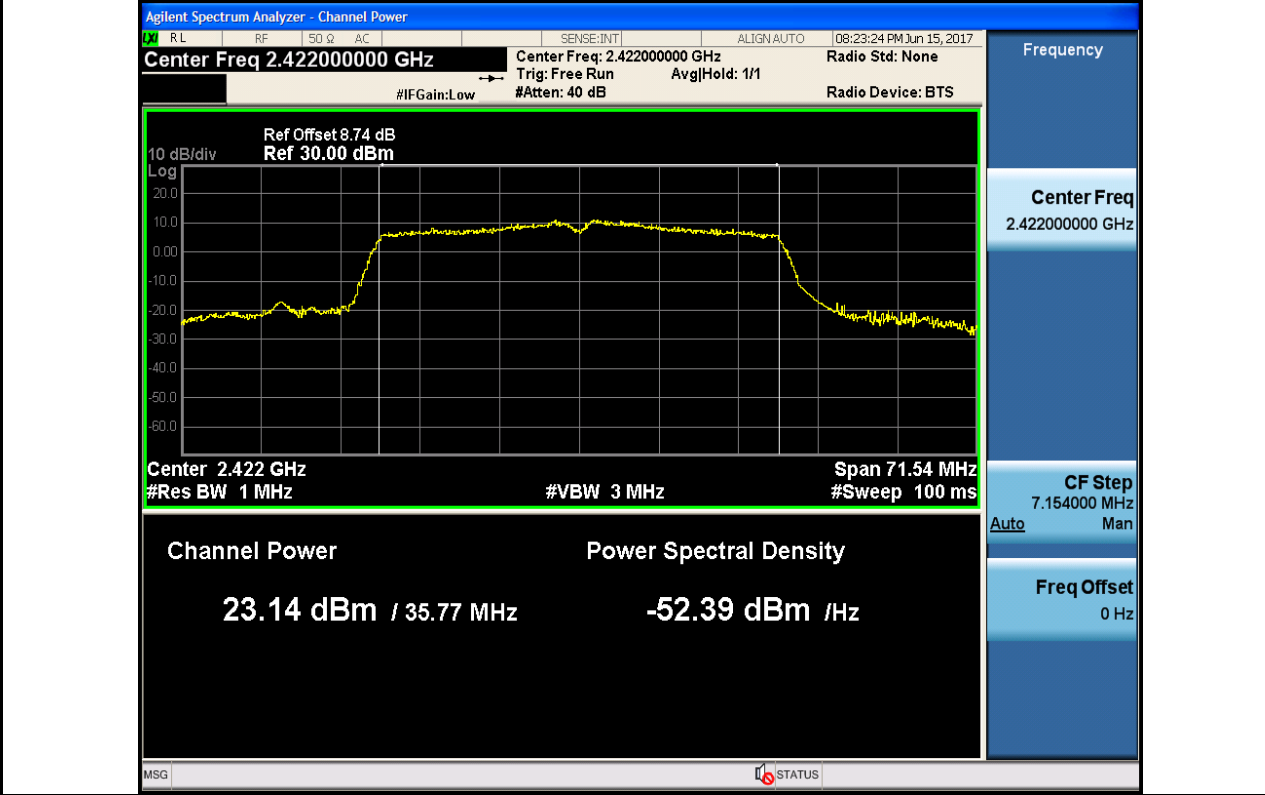
Maximum peak conducted output power_11N20SISO_2437



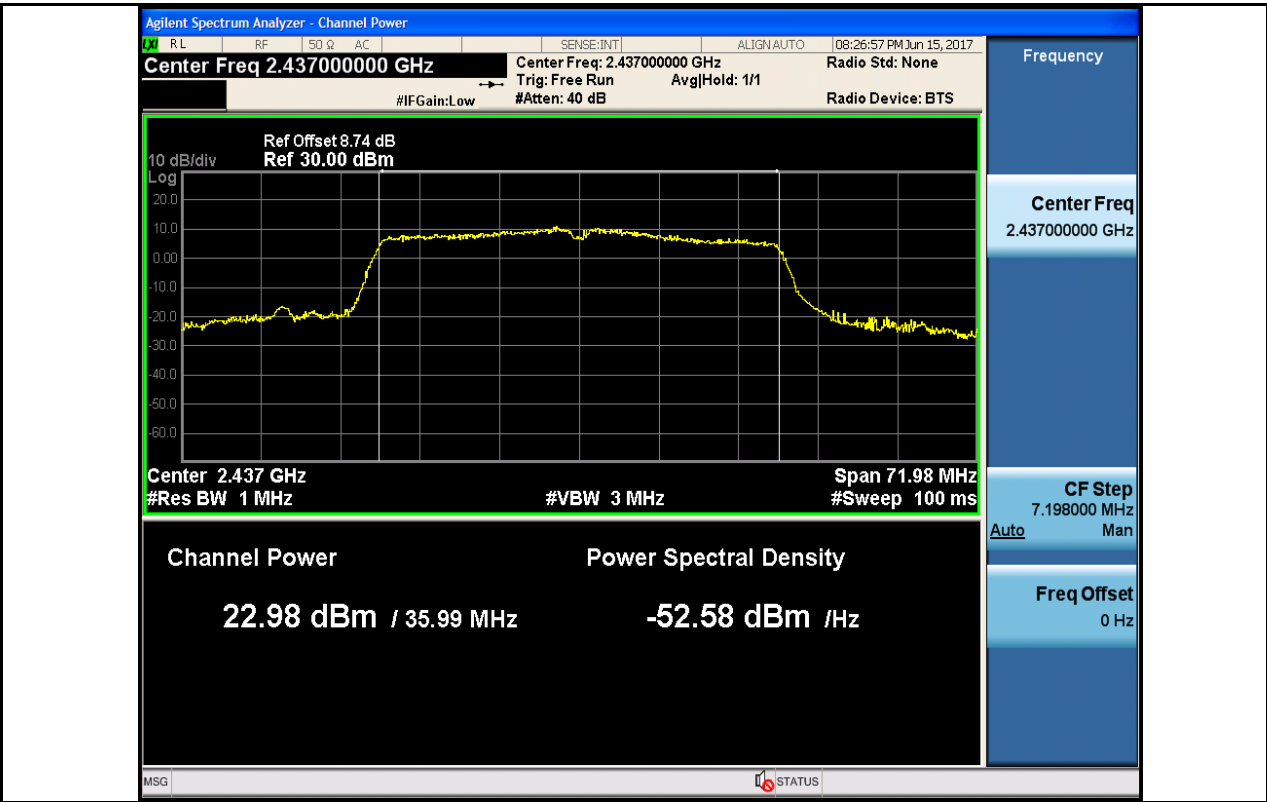
Maximum peak conducted output power_11N20SISO_2462



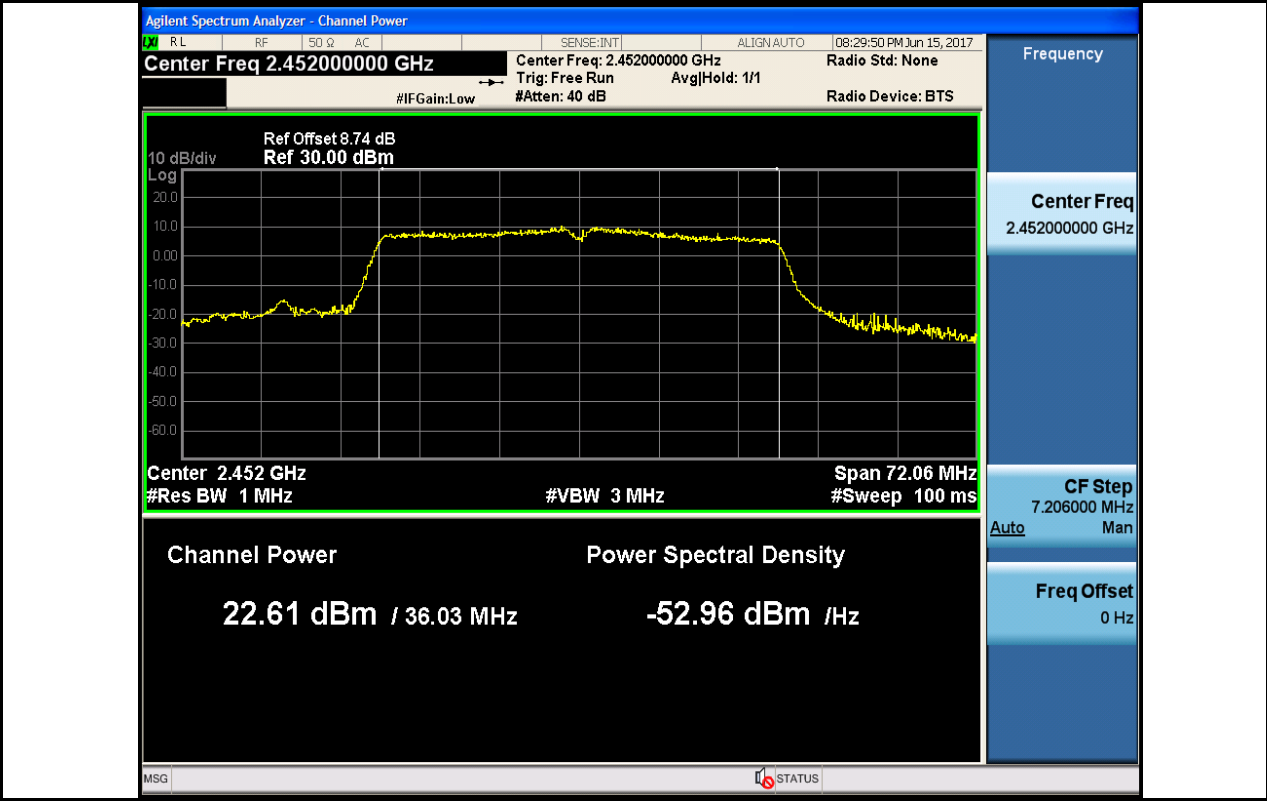
Maximum peak conducted output power_11N40ISO_2422



Maximum peak conducted output power_11N40ISO_2437



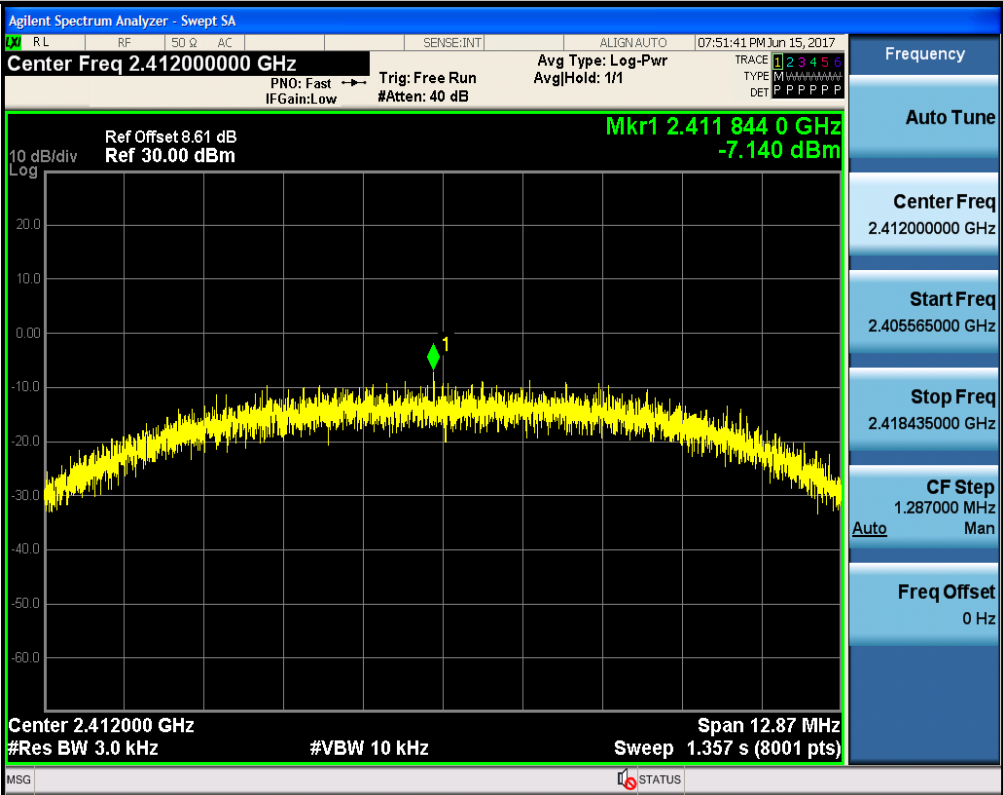
Maximum peak conducted output power_11N40ISO_2452



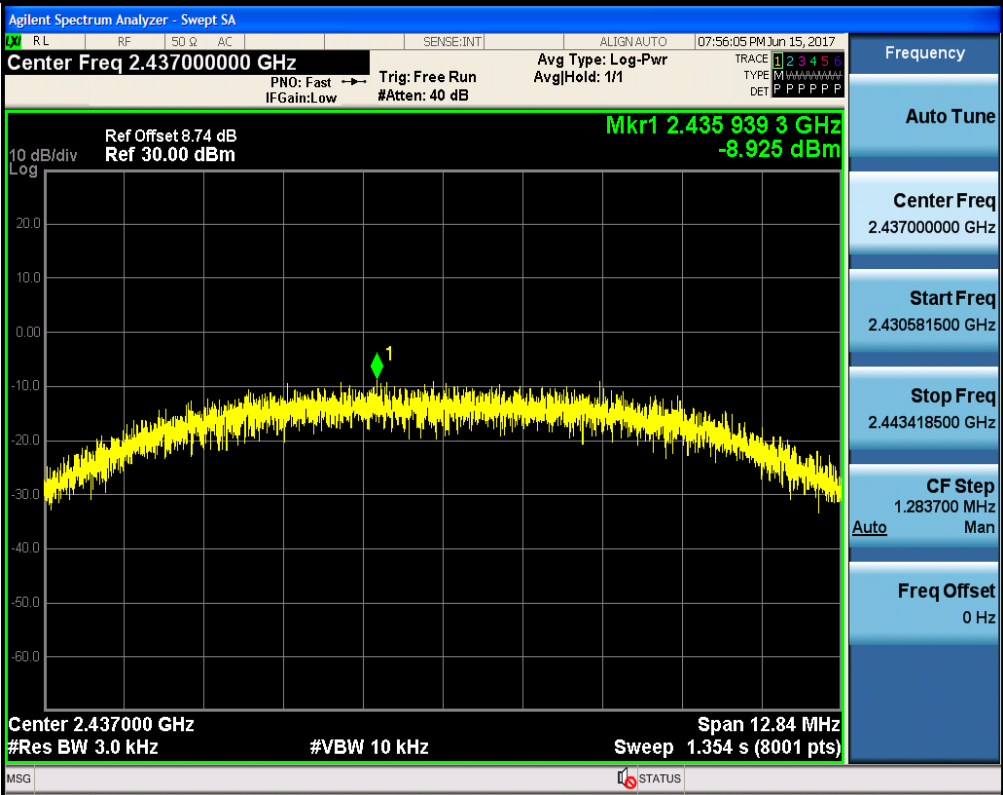
3.Maximum Peak power spectral density

Test Mode	Test Channel	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-7.14	8.00	PASS
11B	2437	-8.925	8.00	PASS
11B	2462	-8.679	8.00	PASS
11G	2412	-11.788	8.00	PASS
11G	2437	-11.128	8.00	PASS
11G	2462	-11.988	8.00	PASS
11N20SISO	2412	-10.77	8.00	PASS
11N20SISO	2437	-10.97	8.00	PASS
11N20SISO	2462	-10.473	8.00	PASS
11N40SISO	2422	-15.133	8.00	PASS
11N40SISO	2437	-14.159	8.00	PASS
11N40SISO	2452	-15.499	8.00	PASS

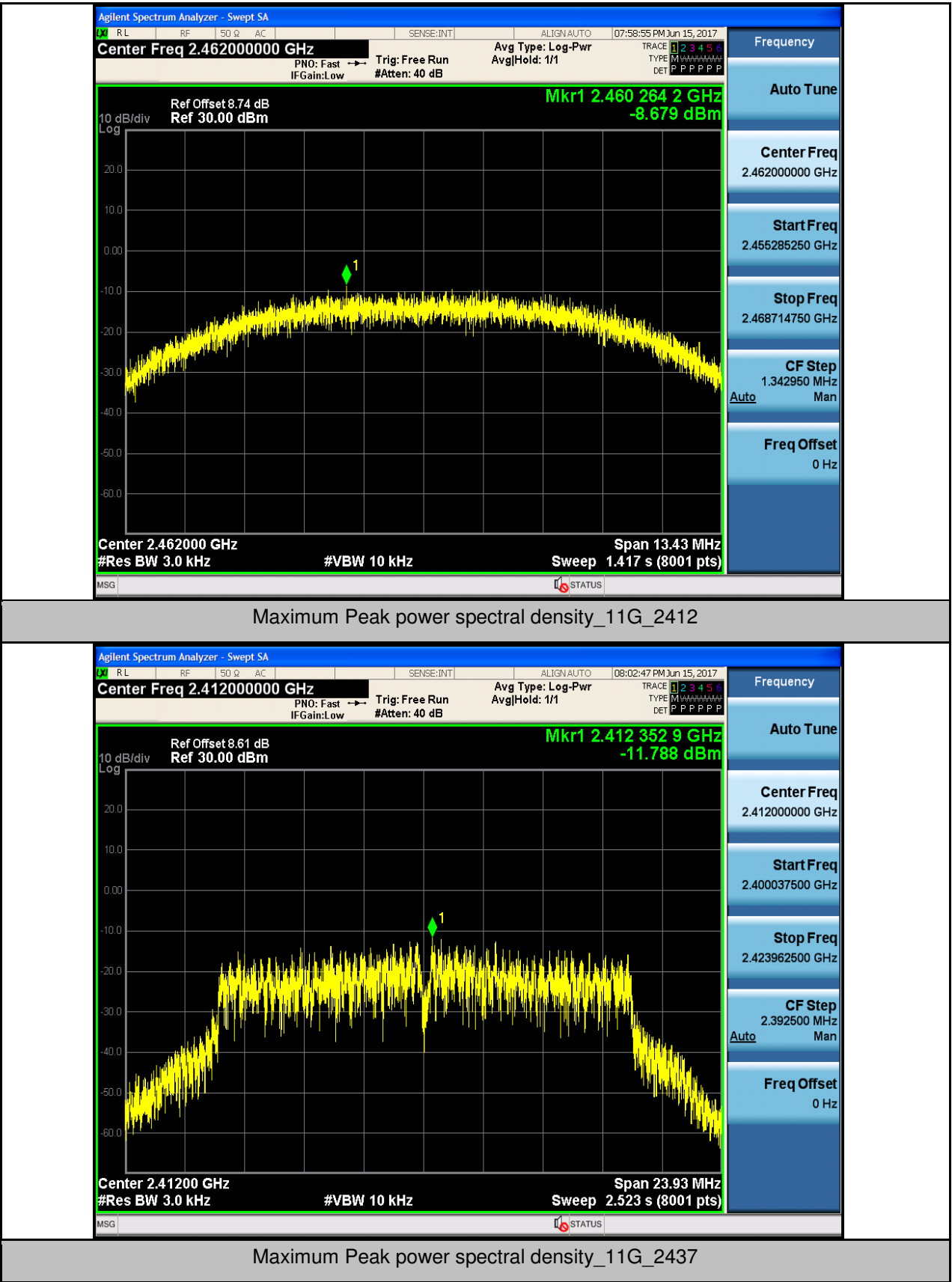
Maximum Peak power spectral density_11B_2412



Maximum Peak power spectral density_11B_2437



Maximum Peak power spectral density_11B_2462



Agilent Spectrum Analyzer - Swept SA

RL

RF

50 Ω

AC

SENSE:INT

ALIGN:AUTO

08:02:47 PM Jun 15, 2017

Center Freq 2.41200000 GHz

PNO: Fast

Trig: Free Run

IFGain:Low

#Atten: 40 dB

Avg Type: Log-Pwr

AvgHold: 1/1

TRACE 1

TYPE M

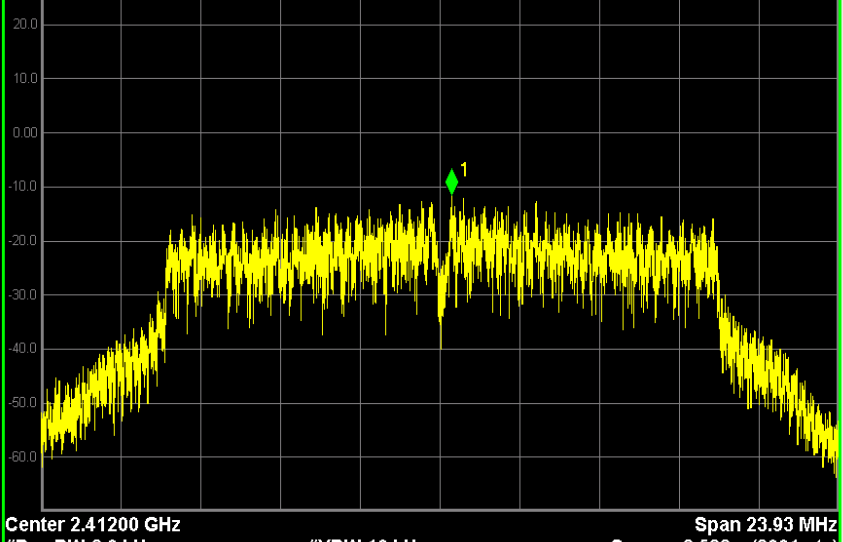
DET P P P P P

Ref Offset 8.61 dB

Ref 30.00 dBm

Mkr1 2.412 352 9 GHz

-11.788 dBm



Center 2.412000 GHz

#Res BW 3.0 kHz

#VBW 10 kHz

Span 23.93 MHz

Sweep 2.523 s (8001 pts)

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.412000000 GHz

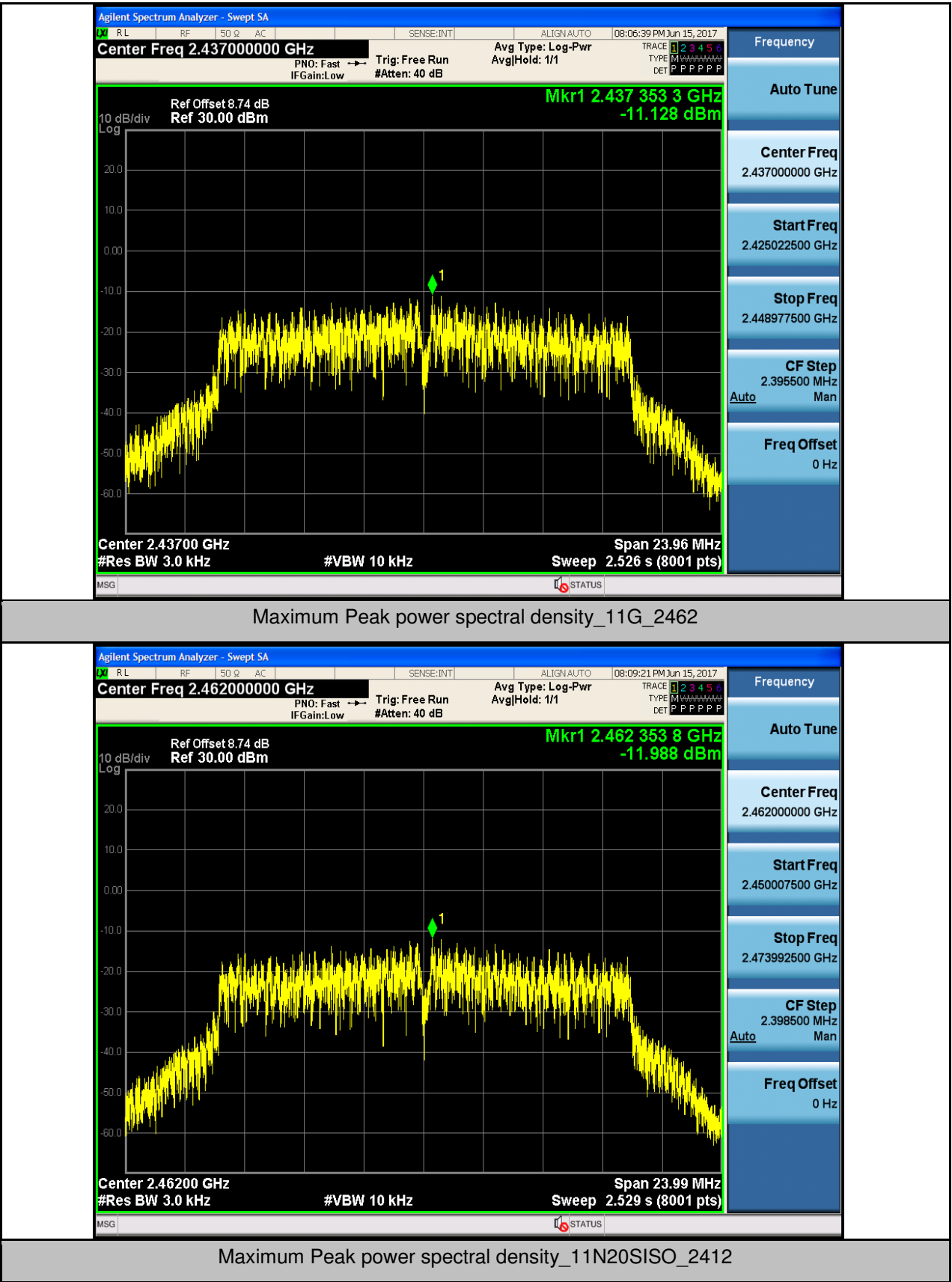
Start Freq
2.400037500 GHz

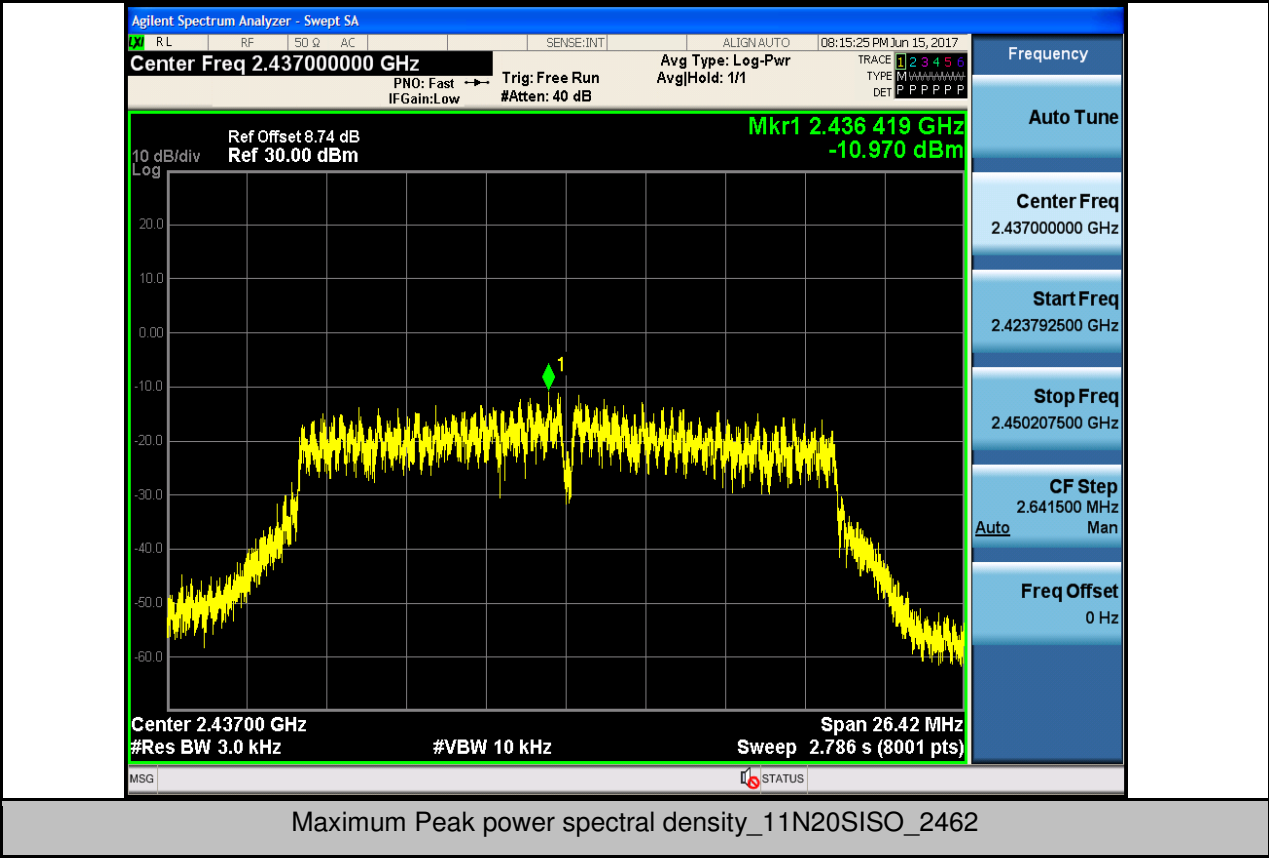
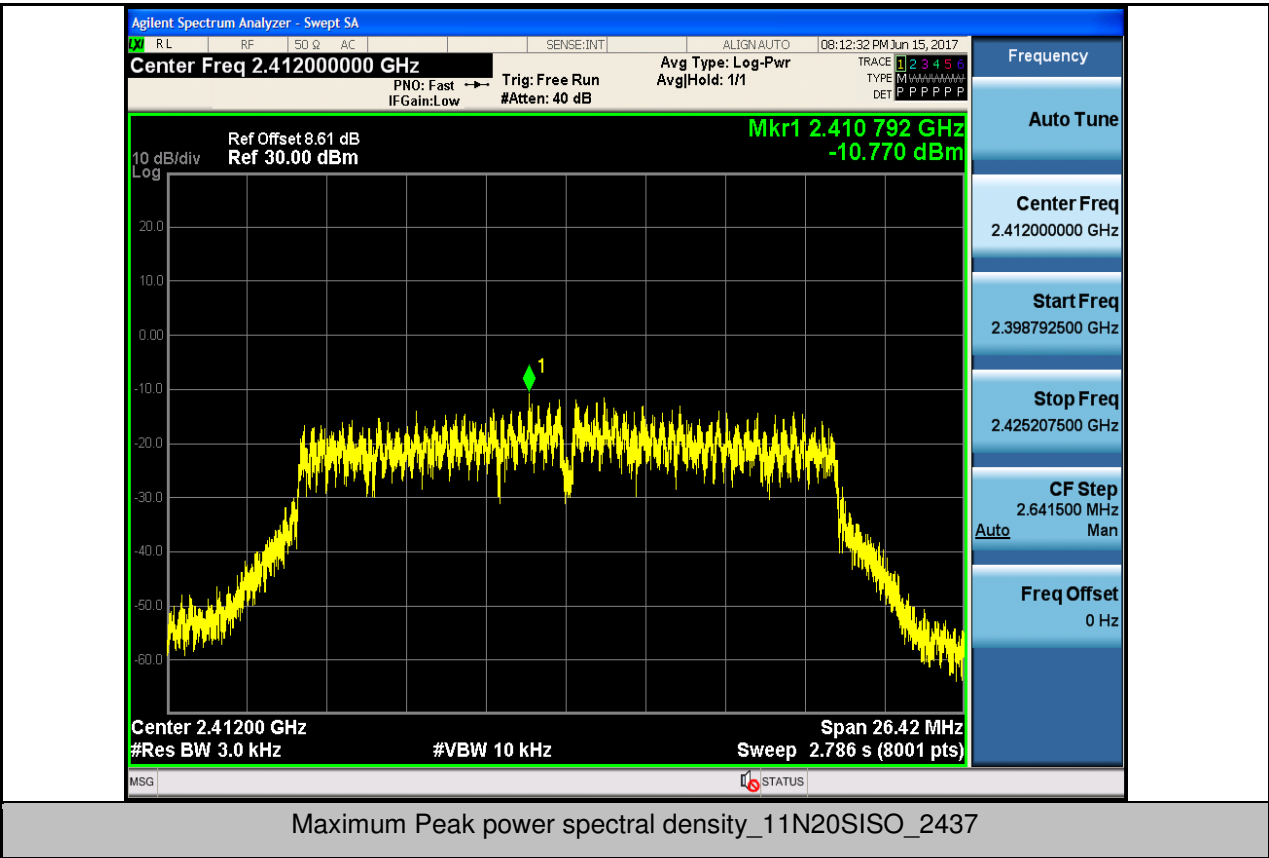
Stop Freq
2.423962500 GHz

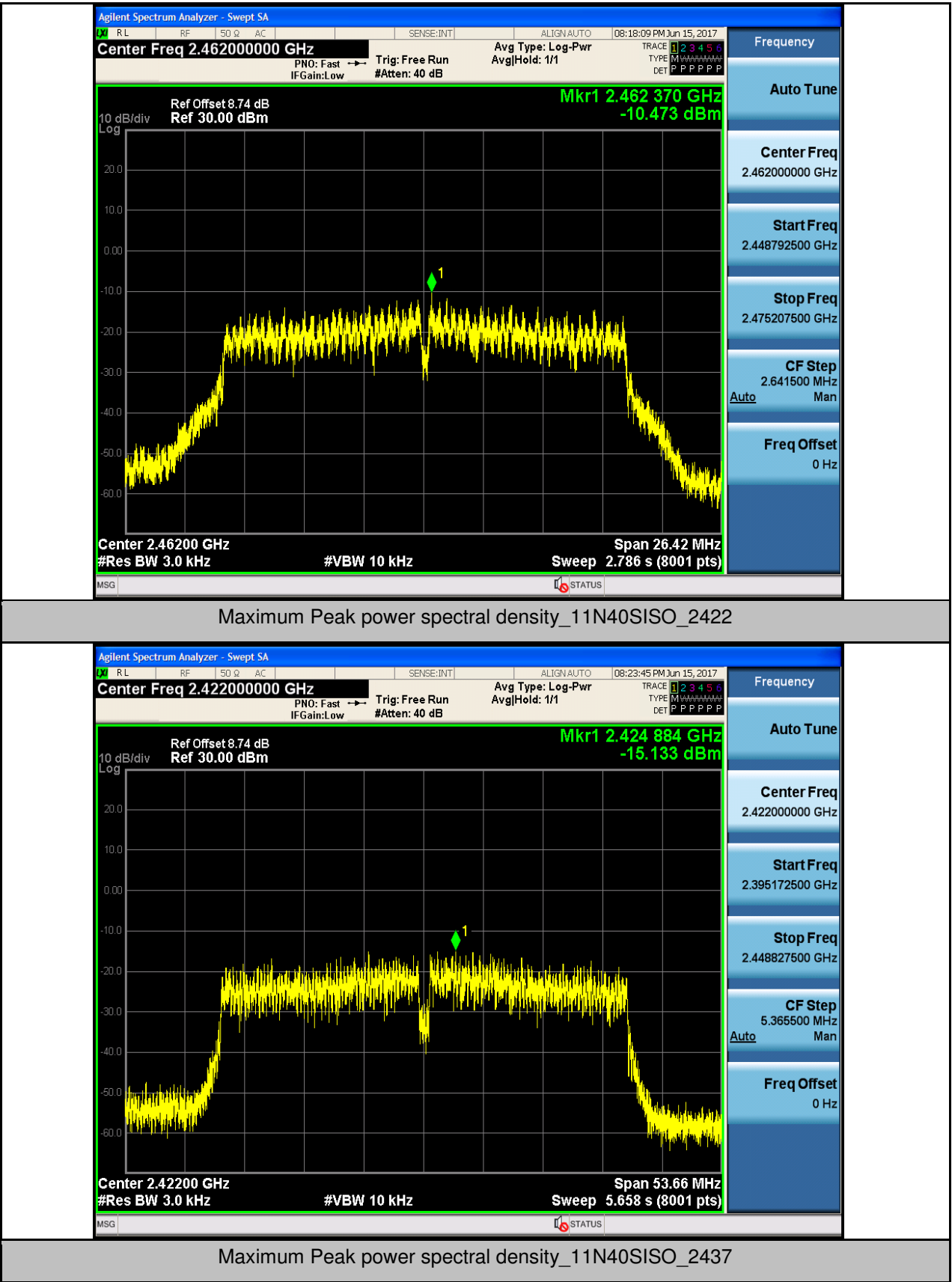
CF Step
2.392500 MHz
Auto Man

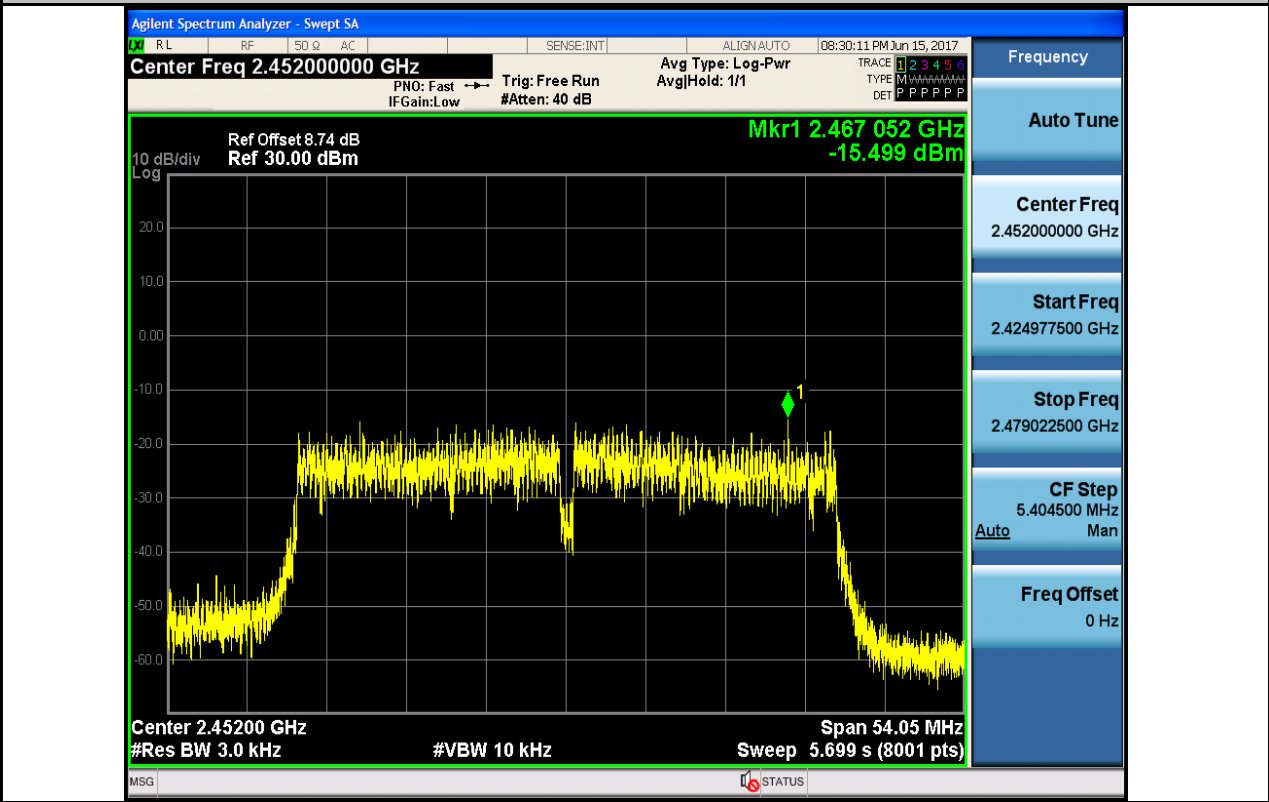
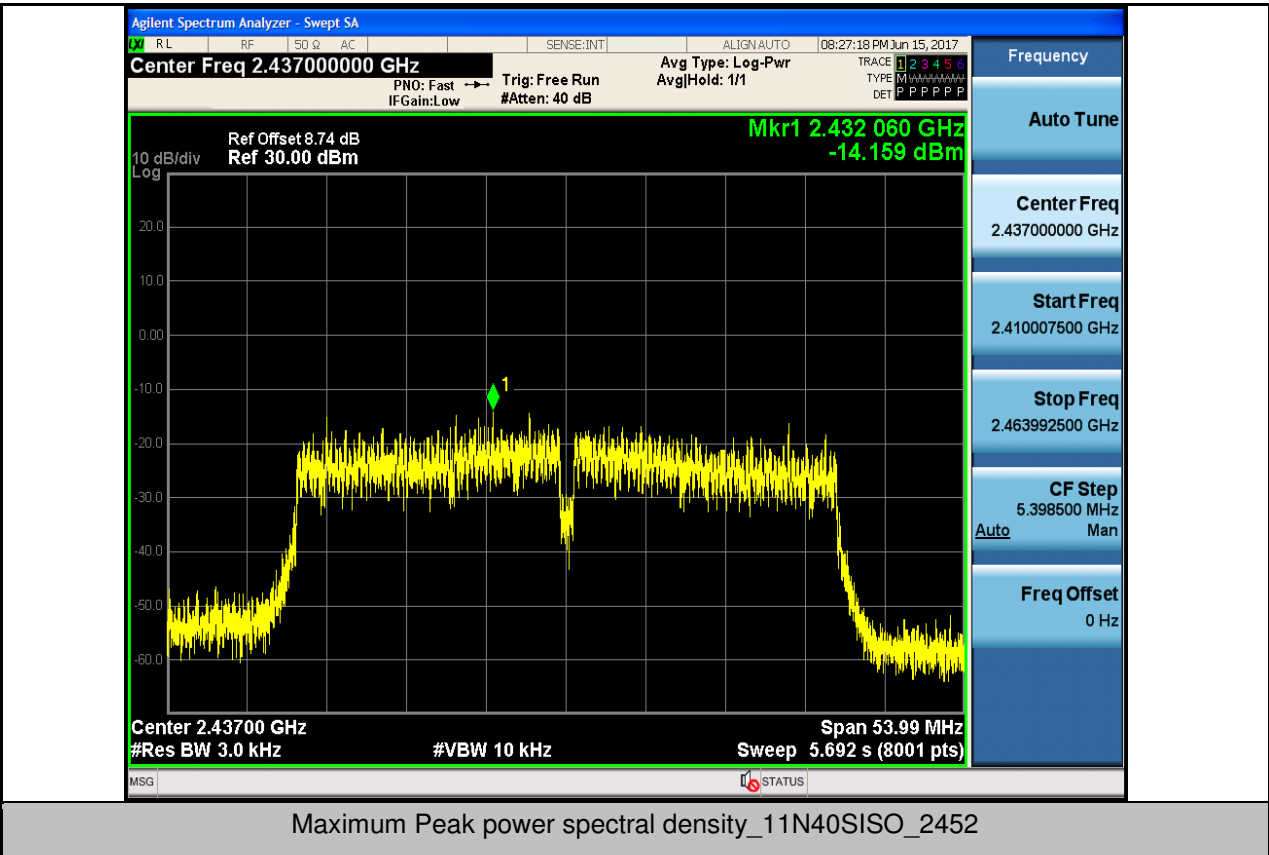
Freq Offset
0 Hz

Maximum Peak power spectral density_11G_2437



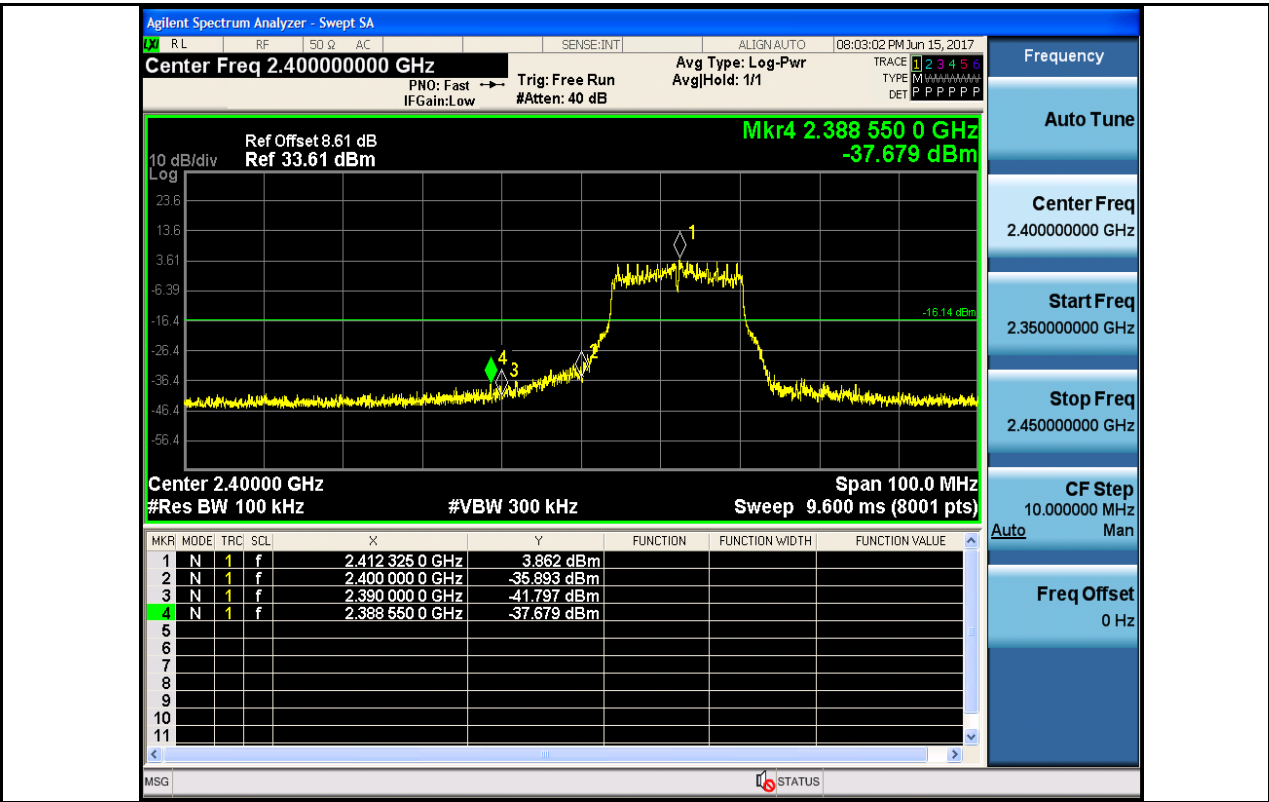




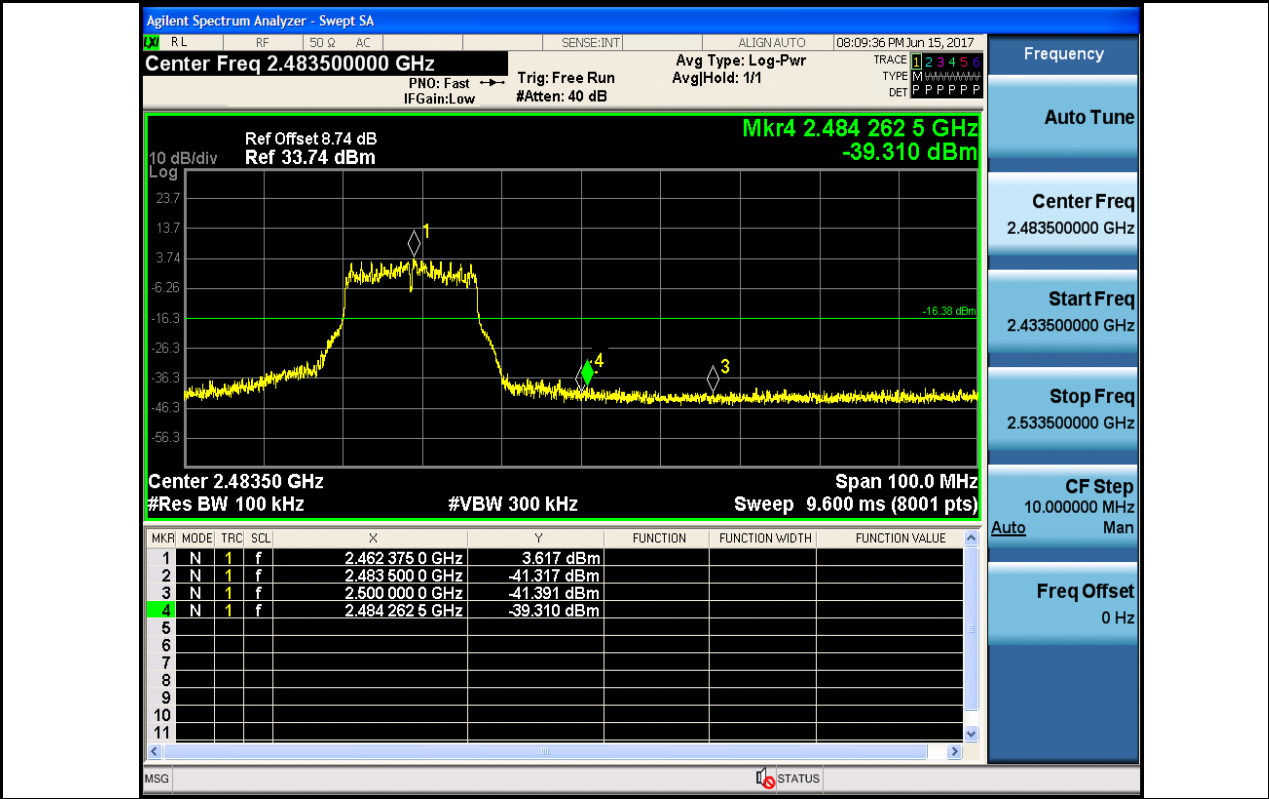


4.Band-edge for RF Conducted Emissions

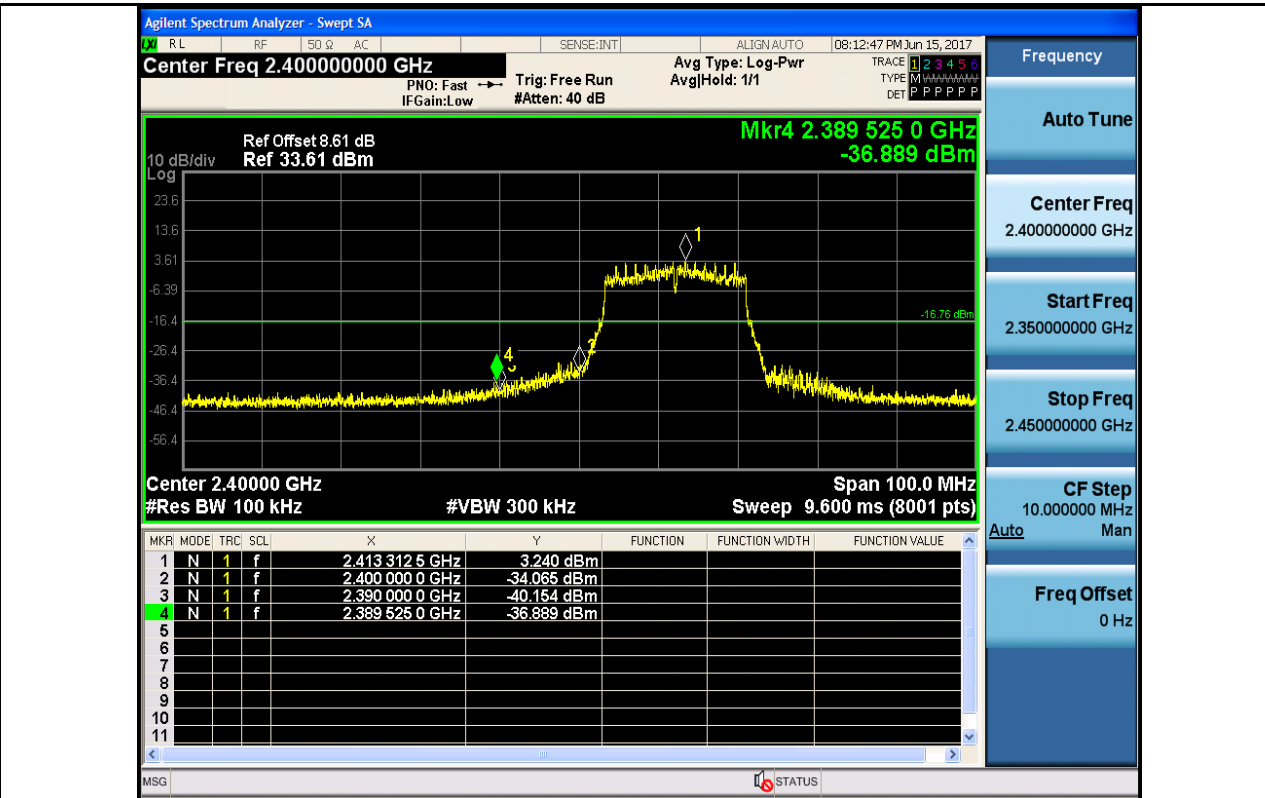
Test Mode	Test Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	5.480	-40.105	-14.52	PASS
11B	2462	5.547	-40.184	-14.45	PASS
11G	2412	3.862	-37.679	-16.14	PASS
11G	2462	3.617	-39.310	-16.38	PASS
11N20SISO	2412	3.240	-36.889	-16.76	PASS
11N20SISO	2462	3.126	-38.723	-16.87	PASS
11N40SISO	2422	0.971	-29.539	-19.03	PASS
11N40SISO	2452	0.667	-38.073	-19.33	PASS



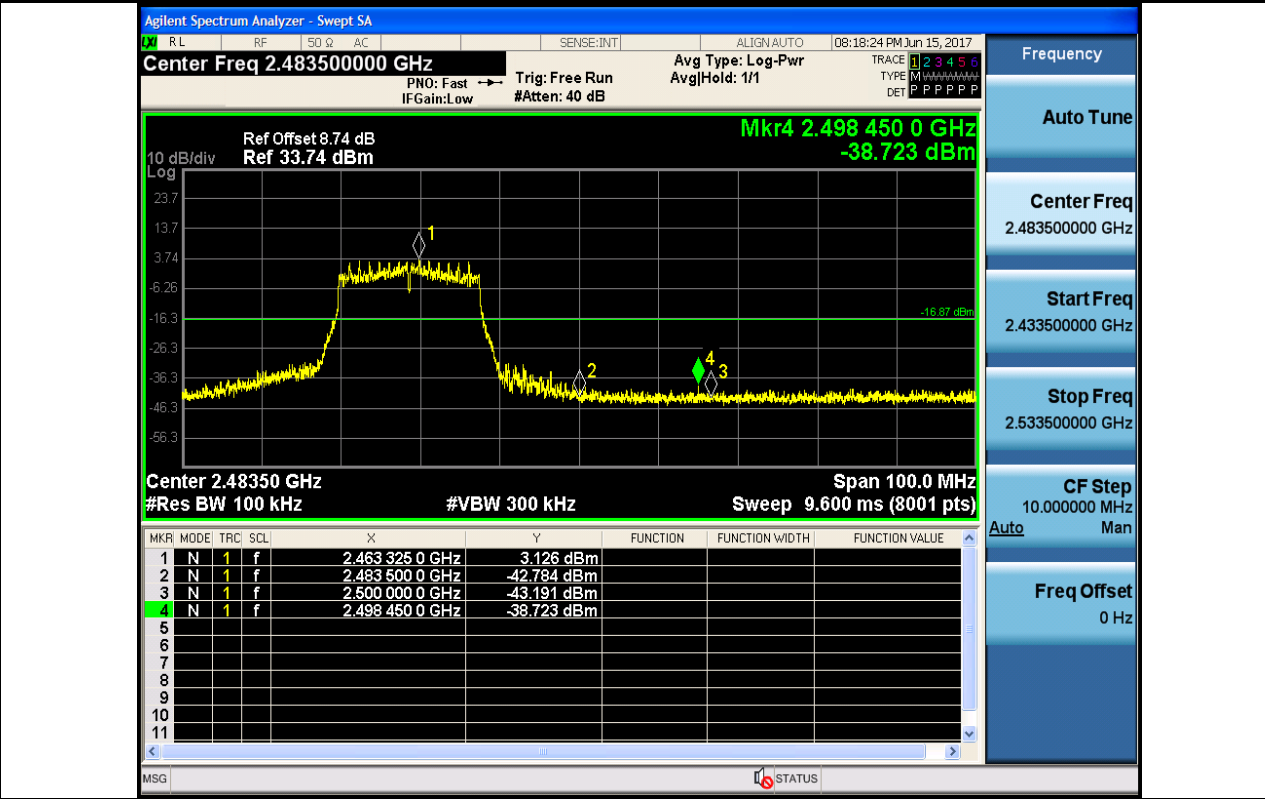
Band-edge for RF Conducted Emissions_11G_2462_Hopping Off



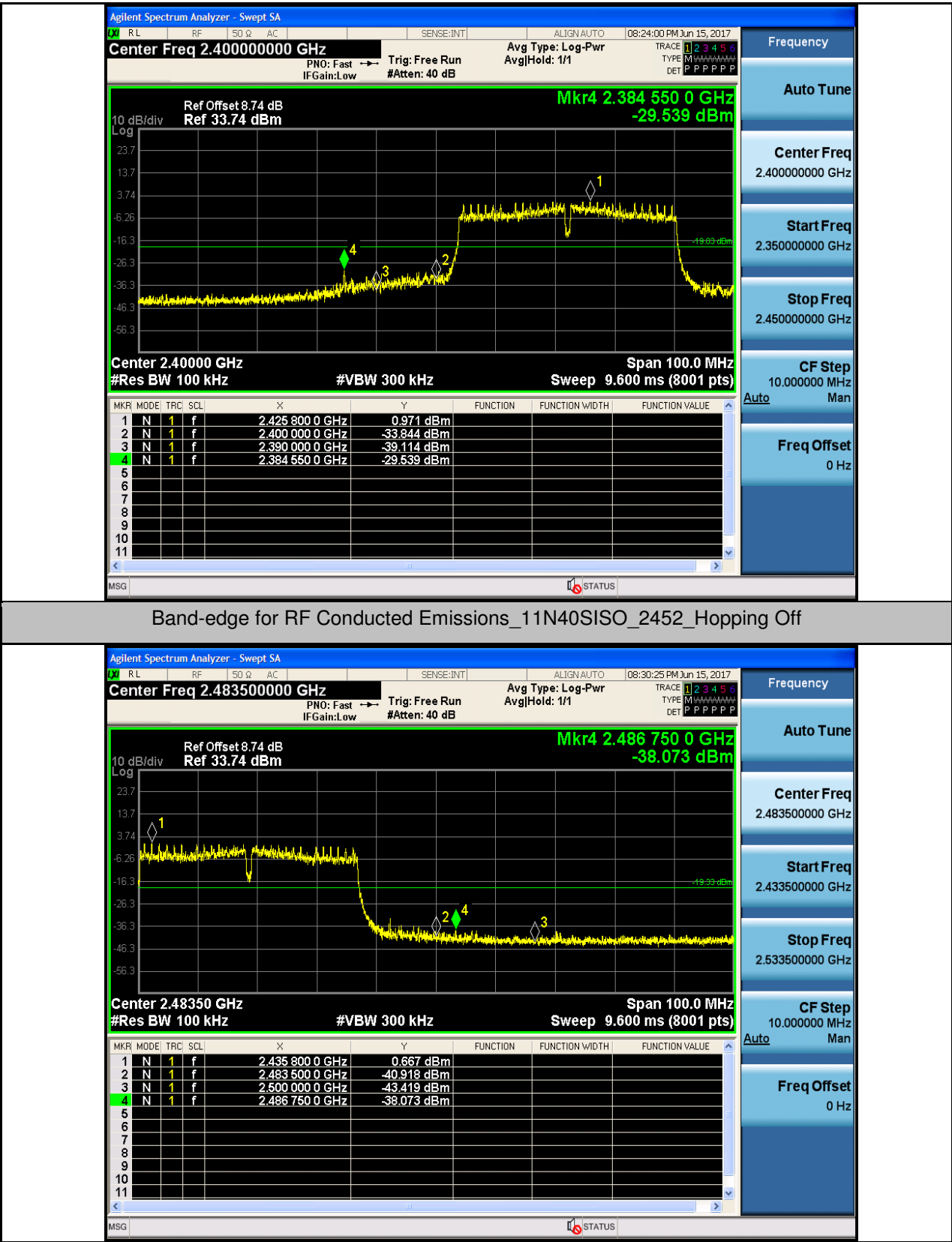
Band-edge for RF Conducted Emissions_11N20SISO_2412_Hopping Off



Band-edge for RF Conducted Emissions_11N20SISO_2462_Hopping Off

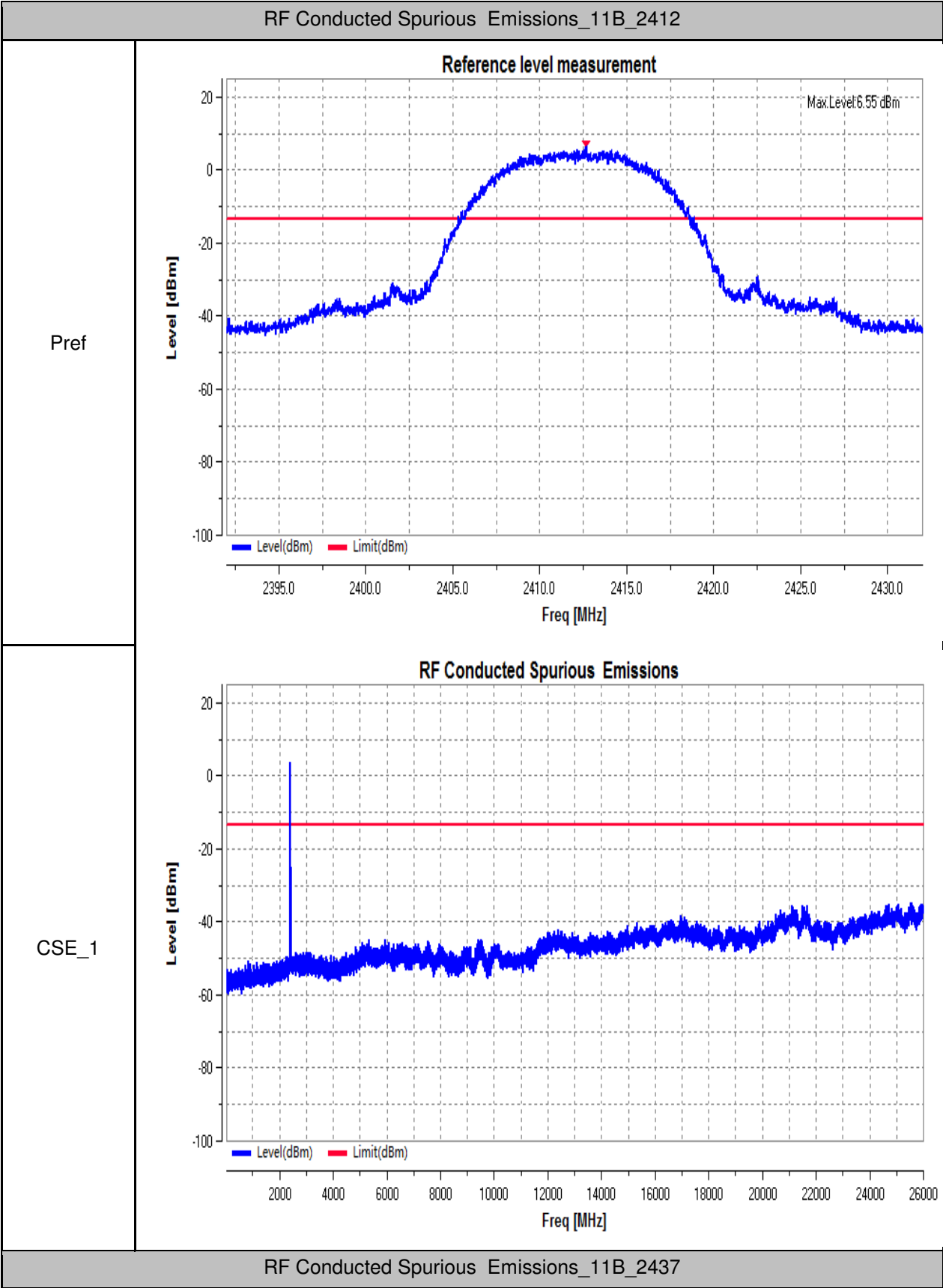


Band-edge for RF Conducted Emissions_11N40SISO_2422_Hopping Off

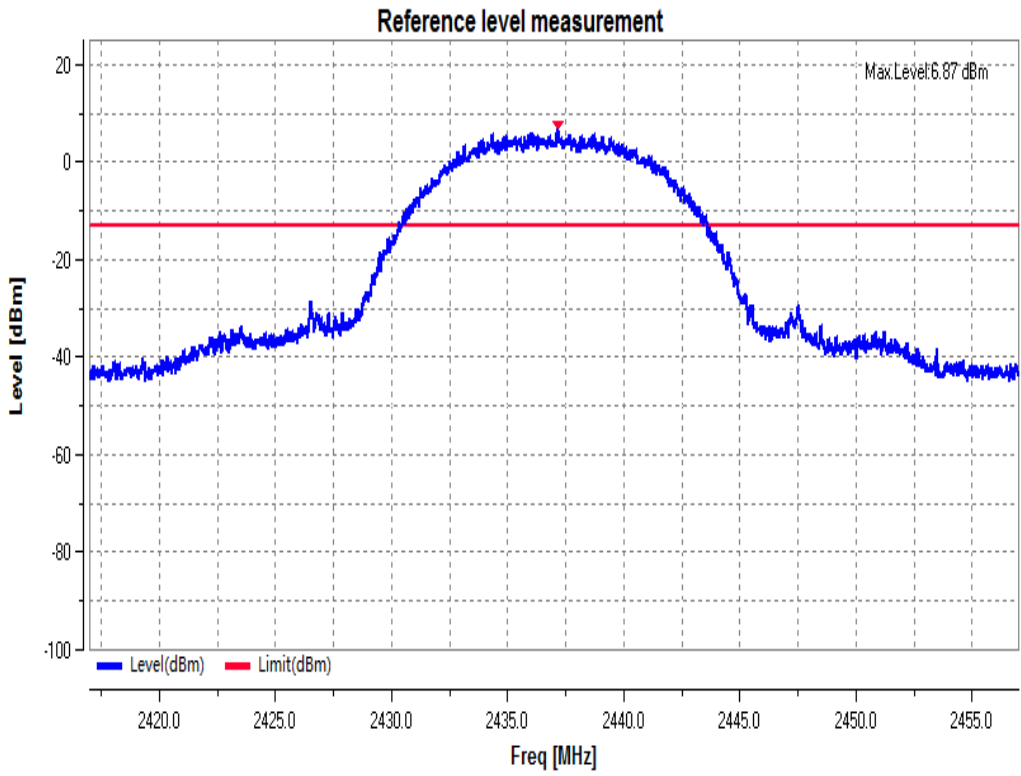


5.RF Conducted Spurious Emissions

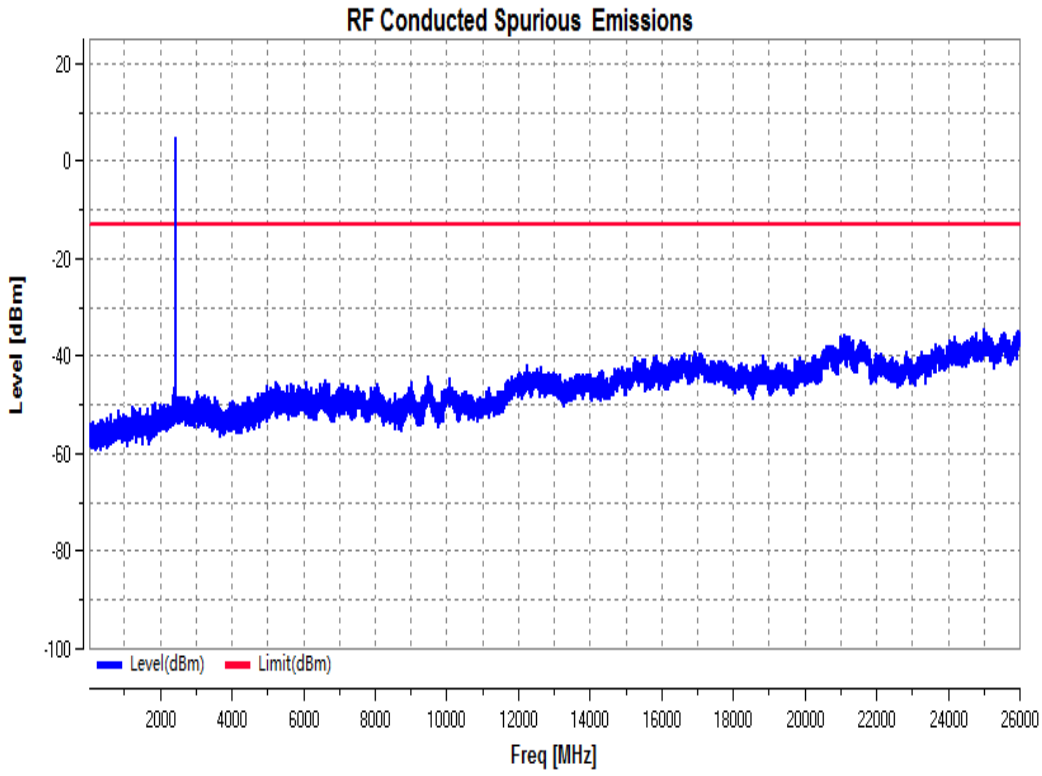
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	30	10000	100	300	6.546	-44.904	-13.454	PASS
11B	2412	10000	26000	100	300	6.546	-34.761	-13.454	PASS
11B	2437	30	10000	100	300	6.874	-44.288	-13.126	PASS
11B	2437	10000	26000	100	300	6.874	-34.426	-13.126	PASS
11B	2462	30	10000	100	300	5.821	-44.461	-14.179	PASS
11B	2462	10000	26000	100	300	5.821	-34.842	-14.179	PASS
11G	2412	30	10000	100	300	3.716	-44.285	-16.284	PASS
11G	2412	10000	26000	100	300	3.716	-34.818	-16.284	PASS
11G	2437	30	10000	100	300	4.445	-44.913	-15.555	PASS
11G	2437	10000	26000	100	300	4.445	-34.082	-15.555	PASS
11G	2462	30	10000	100	300	3.72	-44.653	-16.28	PASS
11G	2462	10000	26000	100	300	3.72	-34.854	-16.28	PASS
11N20SISO	2412	30	10000	100	300	3.069	-43.020	-16.931	PASS
11N20SISO	2412	10000	26000	100	300	3.069	-34.228	-16.931	PASS
11N20SISO	2437	30	10000	100	300	3.87	-44.176	-16.13	PASS
11N20SISO	2437	10000	26000	100	300	3.87	-34.351	-16.13	PASS
11N20SISO	2462	30	10000	100	300	4.074	-43.962	-15.926	PASS
11N20SISO	2462	10000	26000	100	300	4.074	-33.670	-15.926	PASS
11N40SISO	2422	30	10000	100	300	1.143	-44.549	-18.857	PASS
11N40SISO	2422	10000	26000	100	300	1.143	-34.479	-18.857	PASS
11N40SISO	2437	30	10000	100	300	0.905	-43.983	-19.095	PASS
11N40SISO	2437	10000	26000	100	300	0.905	-34.214	-19.095	PASS
11N40SISO	2452	30	10000	100	300	0.624	-44.237	-19.376	PASS
11N40SISO	2452	10000	26000	100	300	0.624	-33.698	-19.376	PASS



Pref

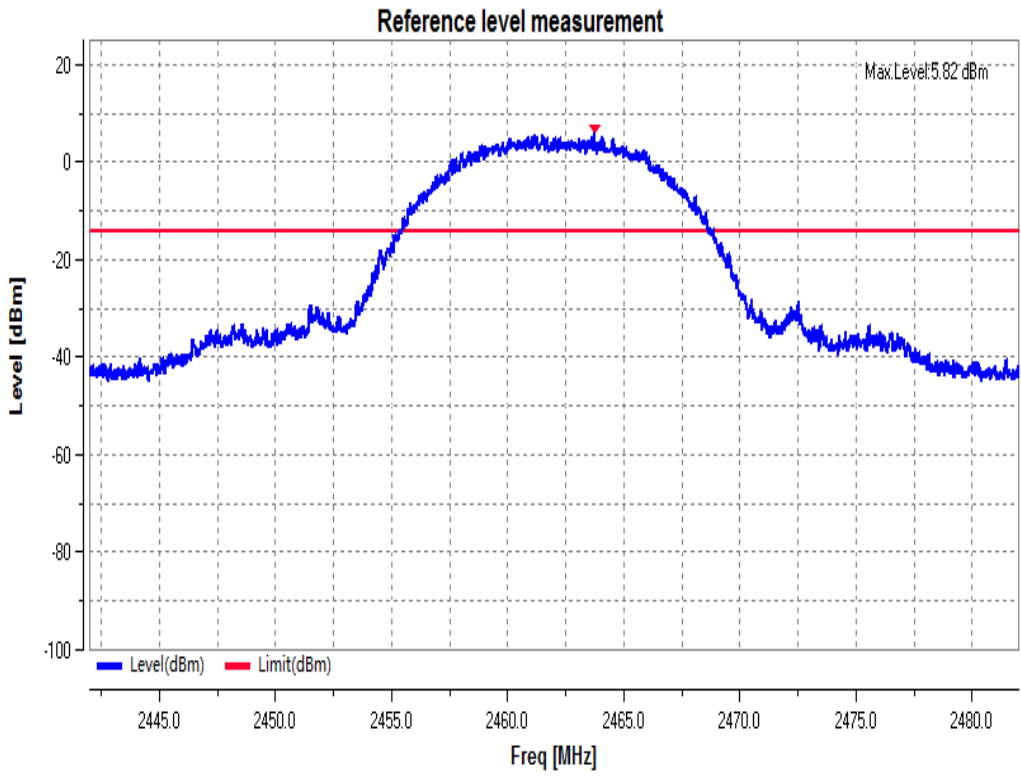


CSE_1

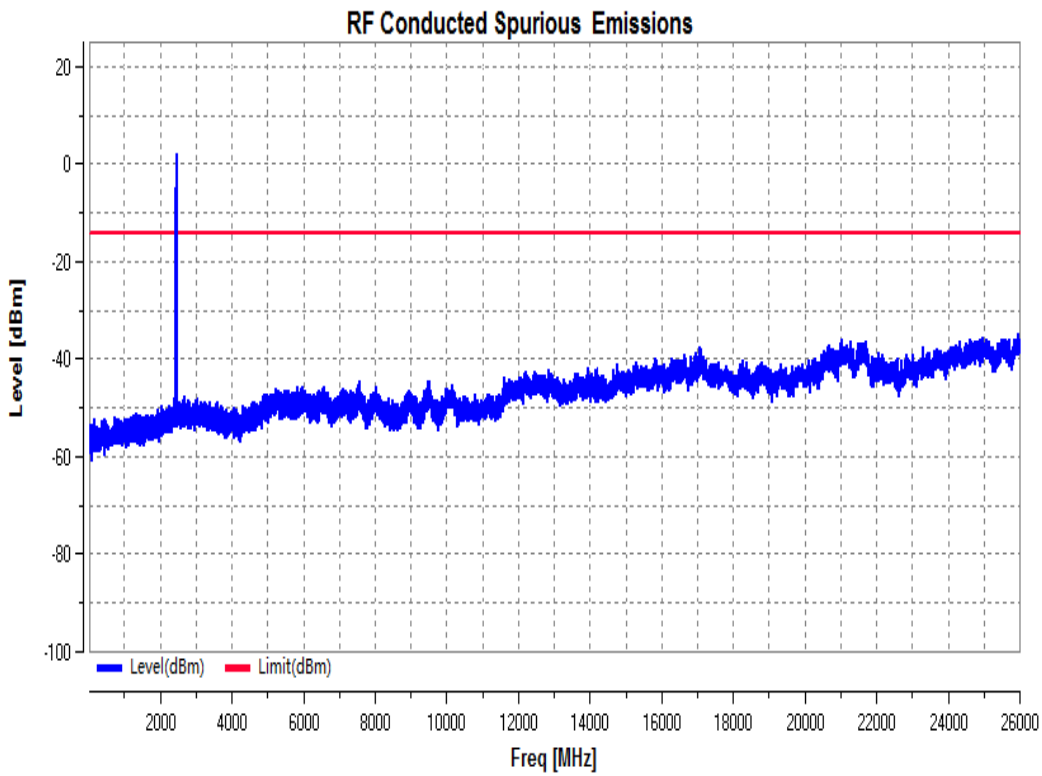


RF Conducted Spurious Emissions_11B_2462

Pref

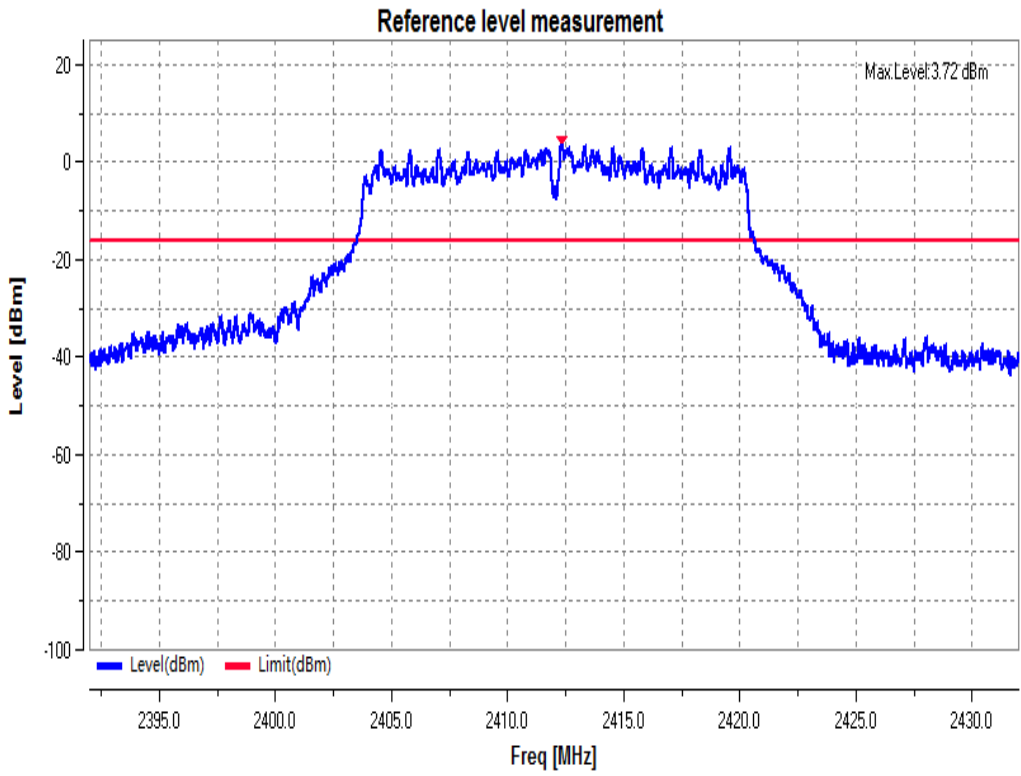


CSE_1

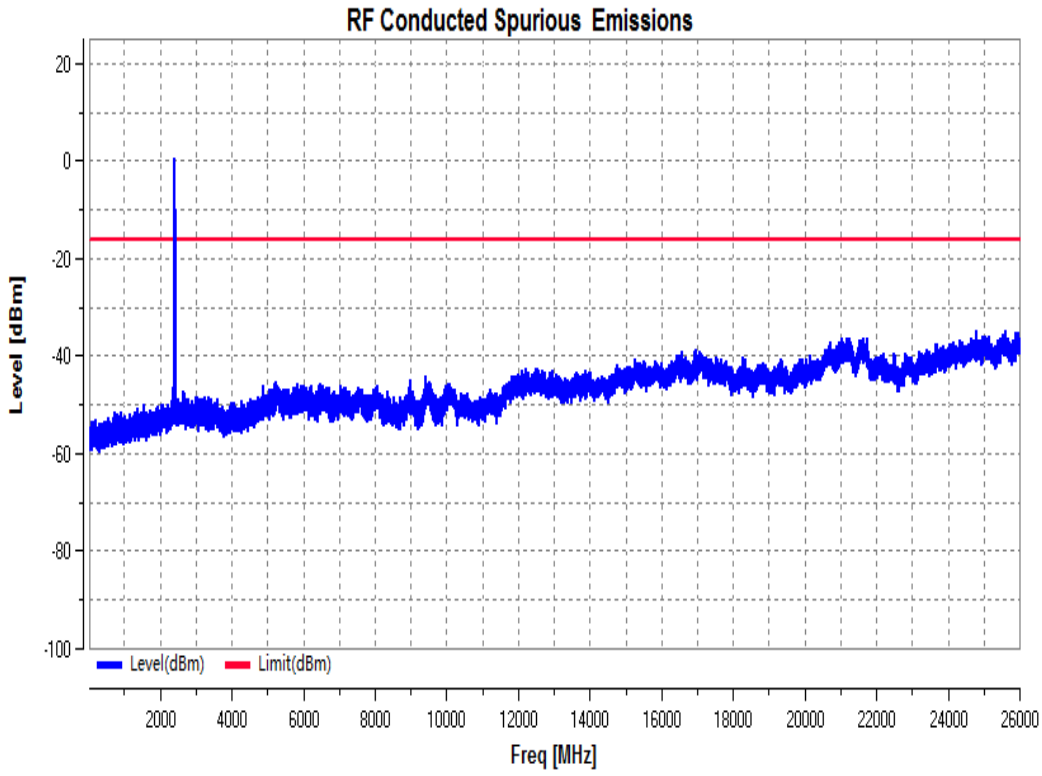


RF Conducted Spurious Emissions_11G_2412

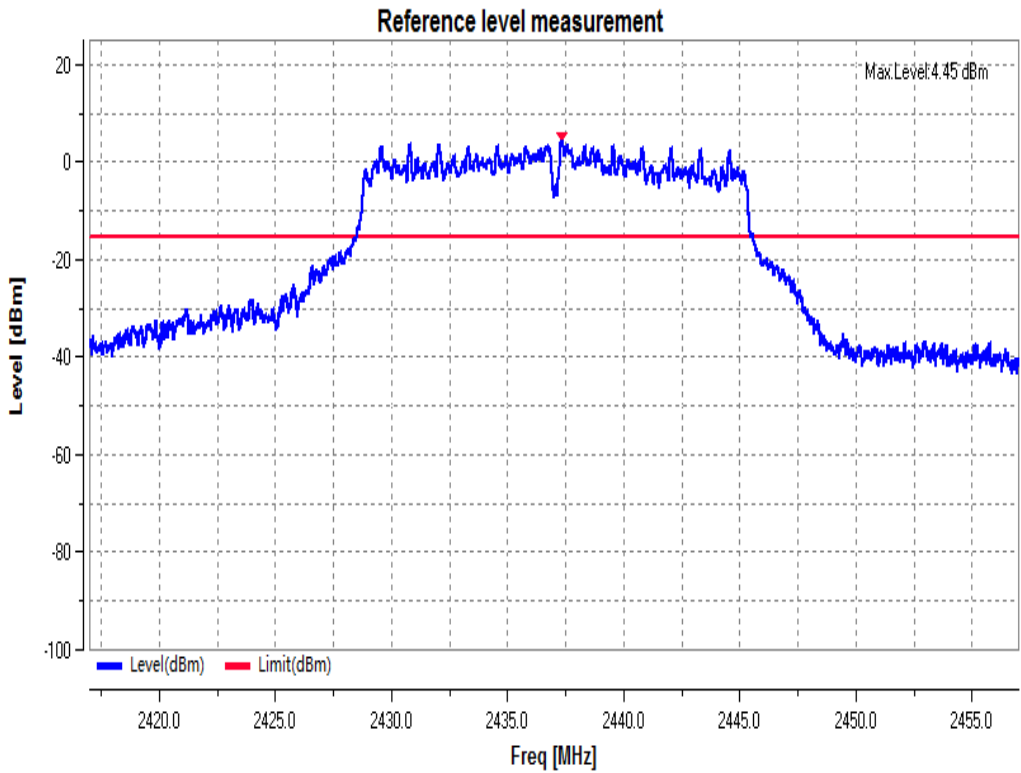
Pref



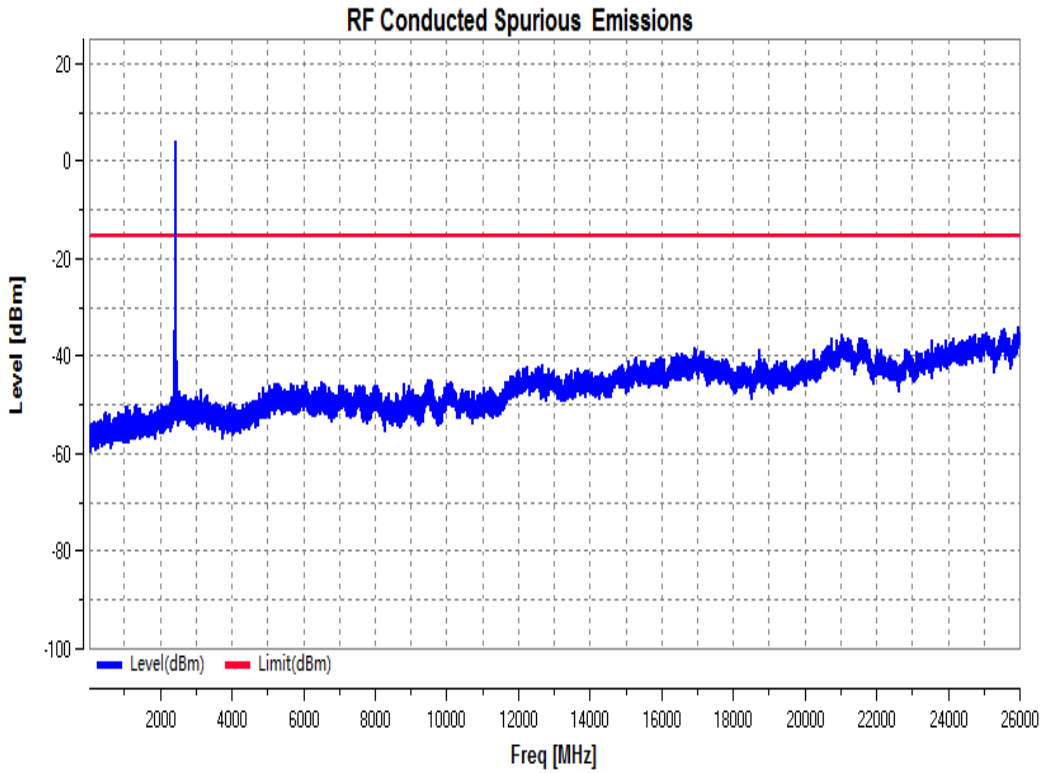
CSE_1



Pref

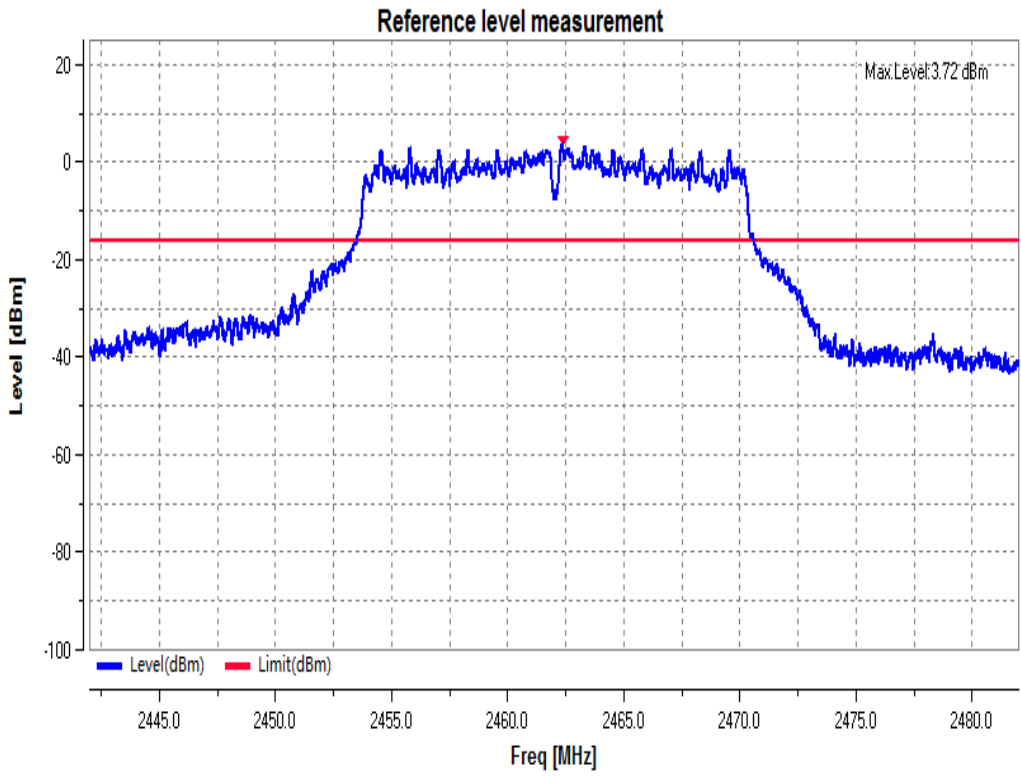


CSE_1

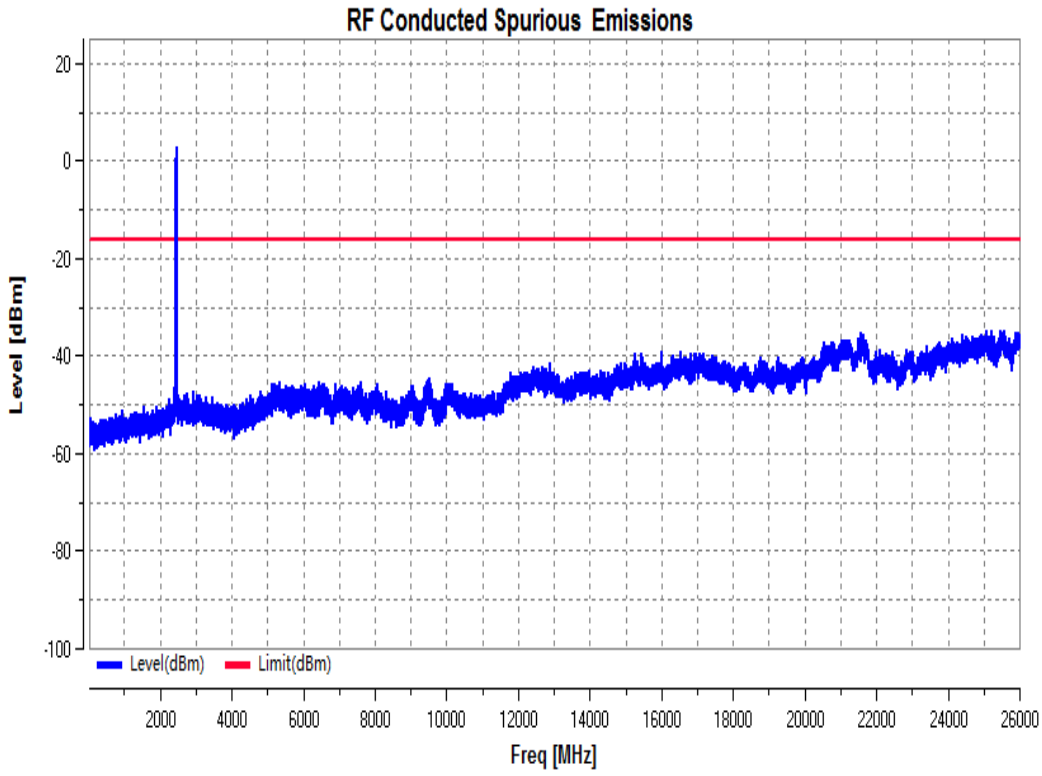


RF Conducted Spurious Emissions_11G_2462

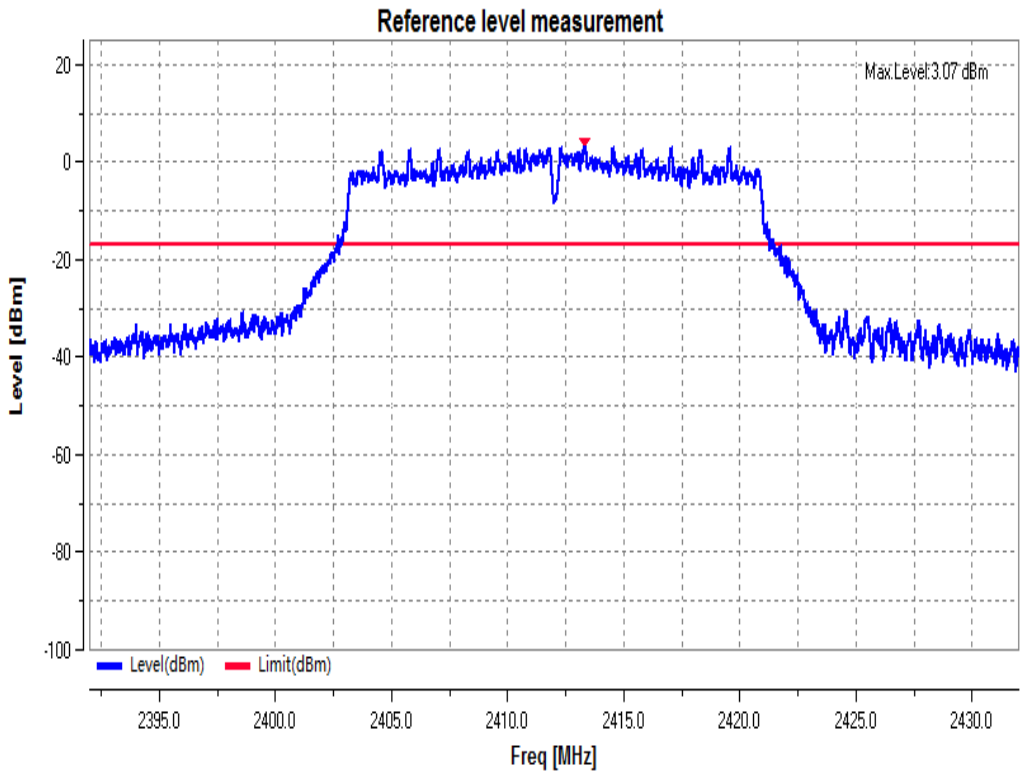
Pref



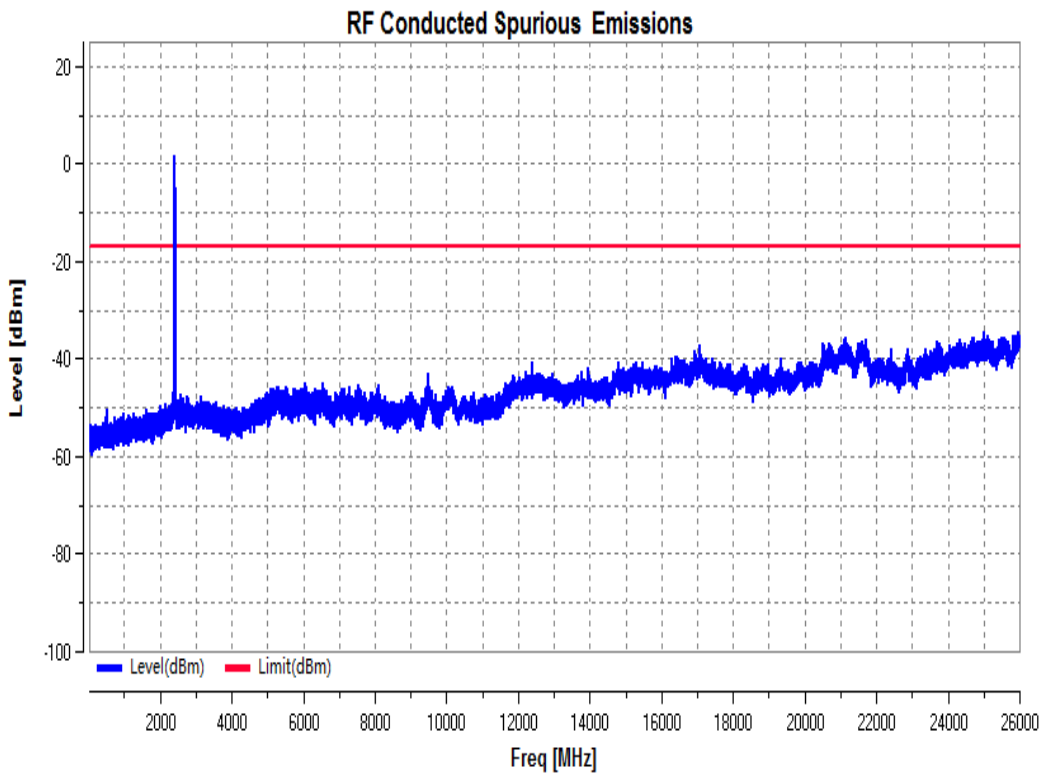
CSE_1



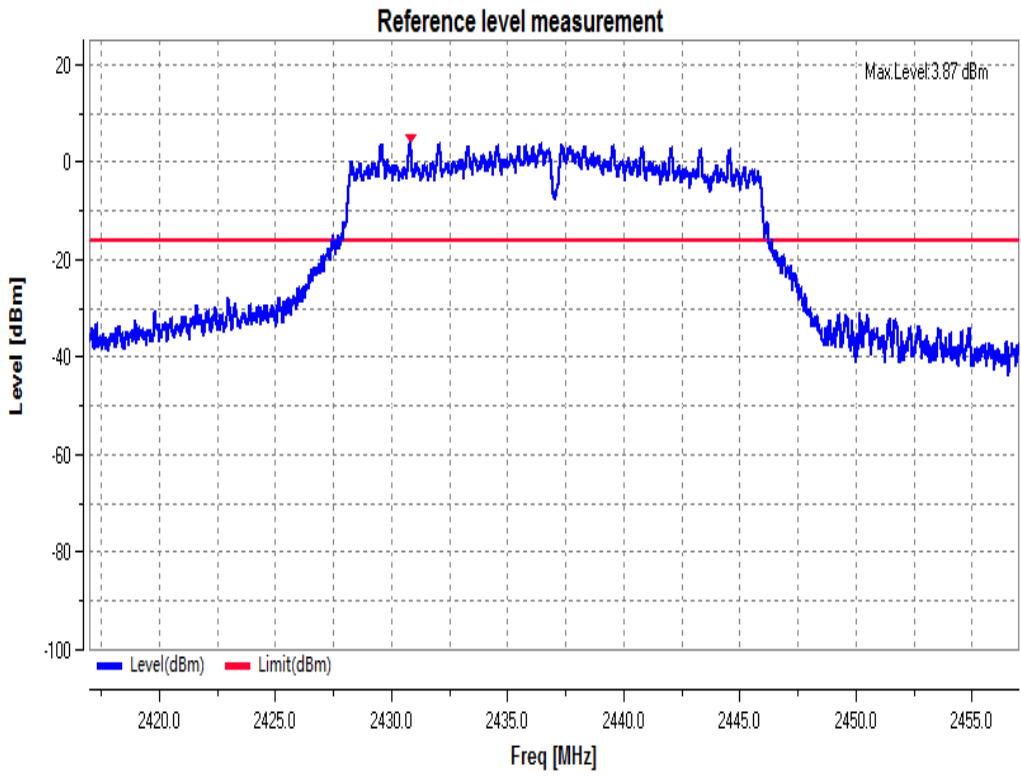
Pref



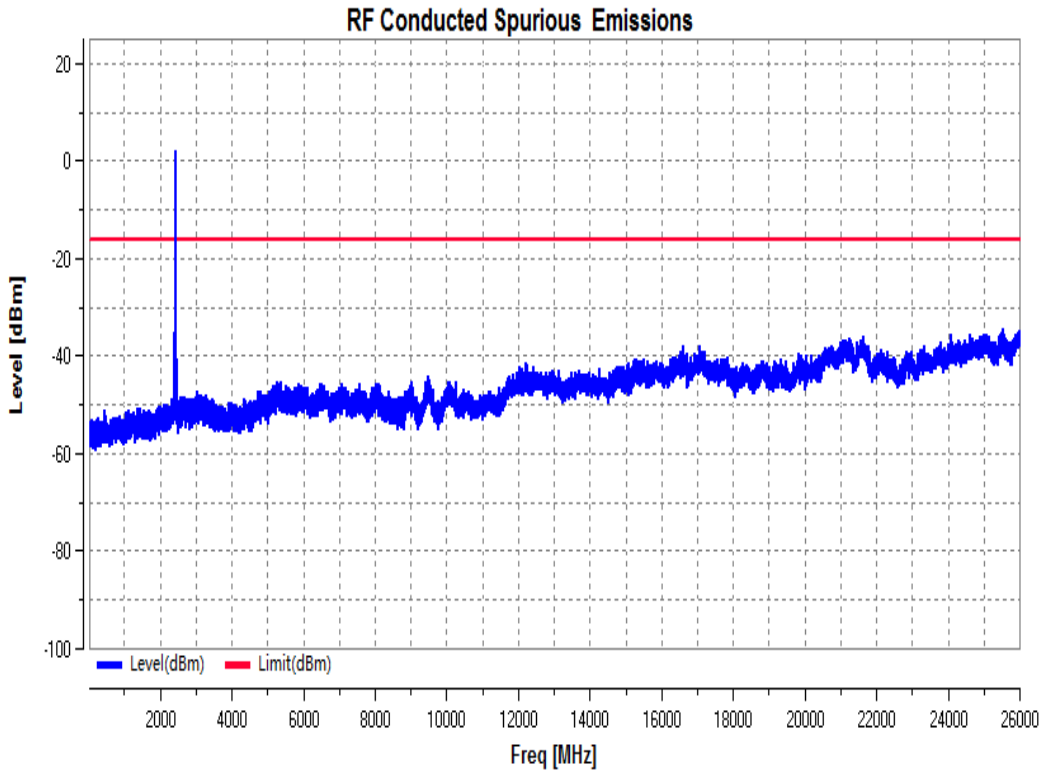
CSE_1



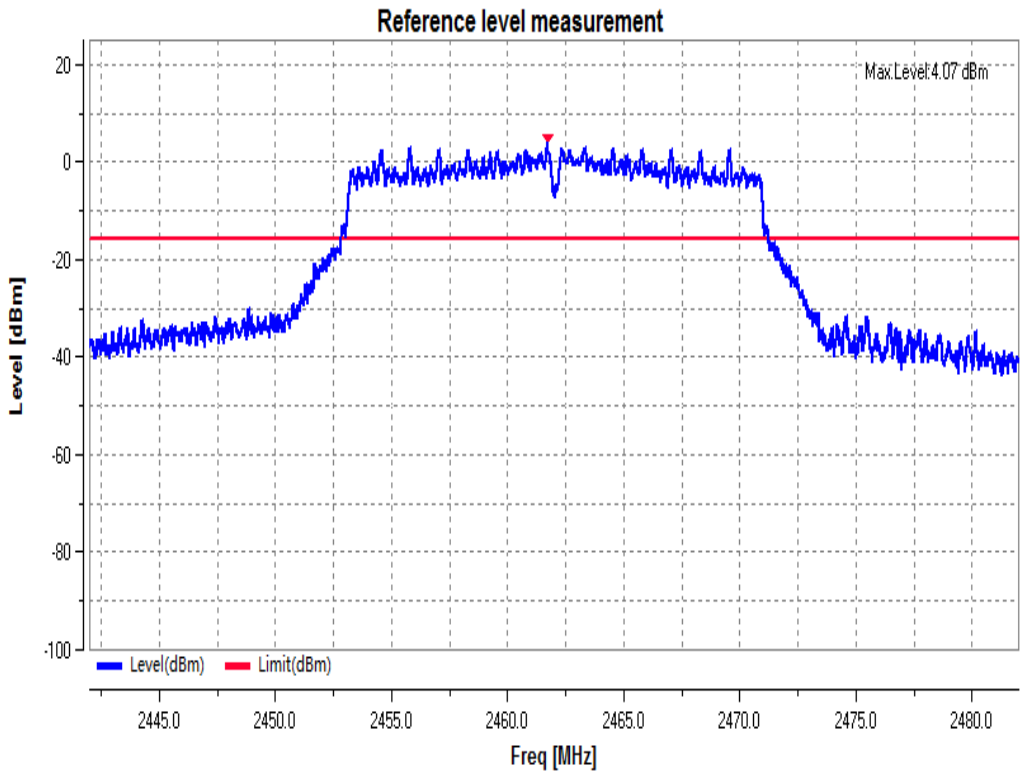
Pref



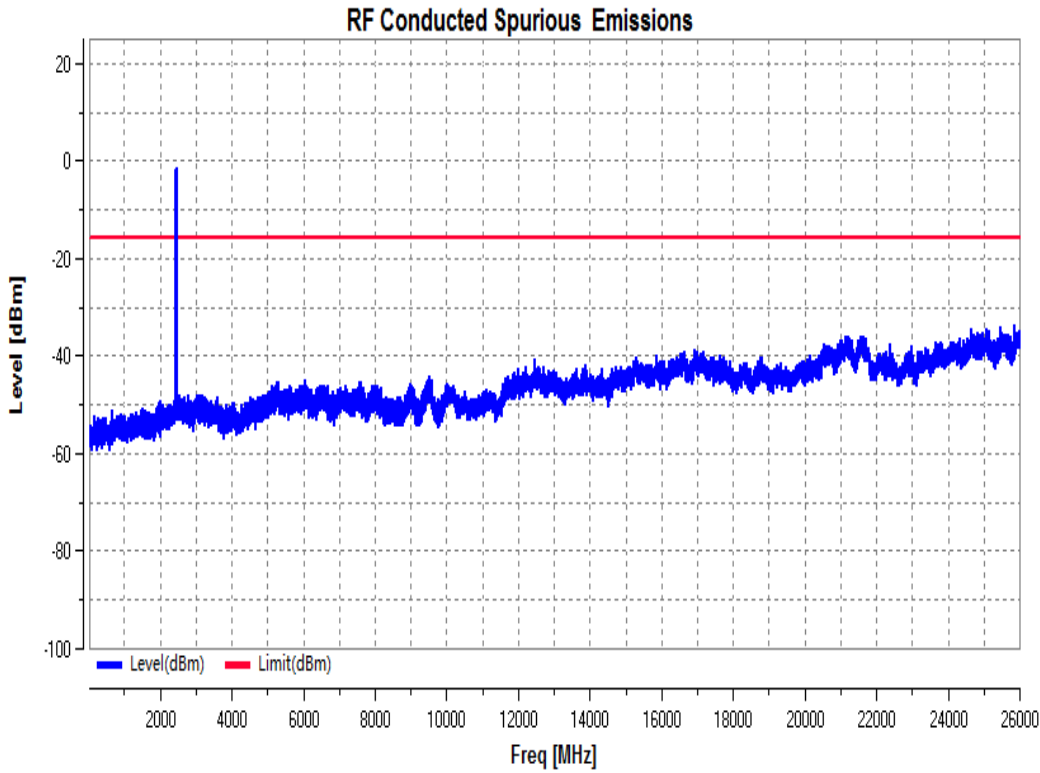
CSE_1



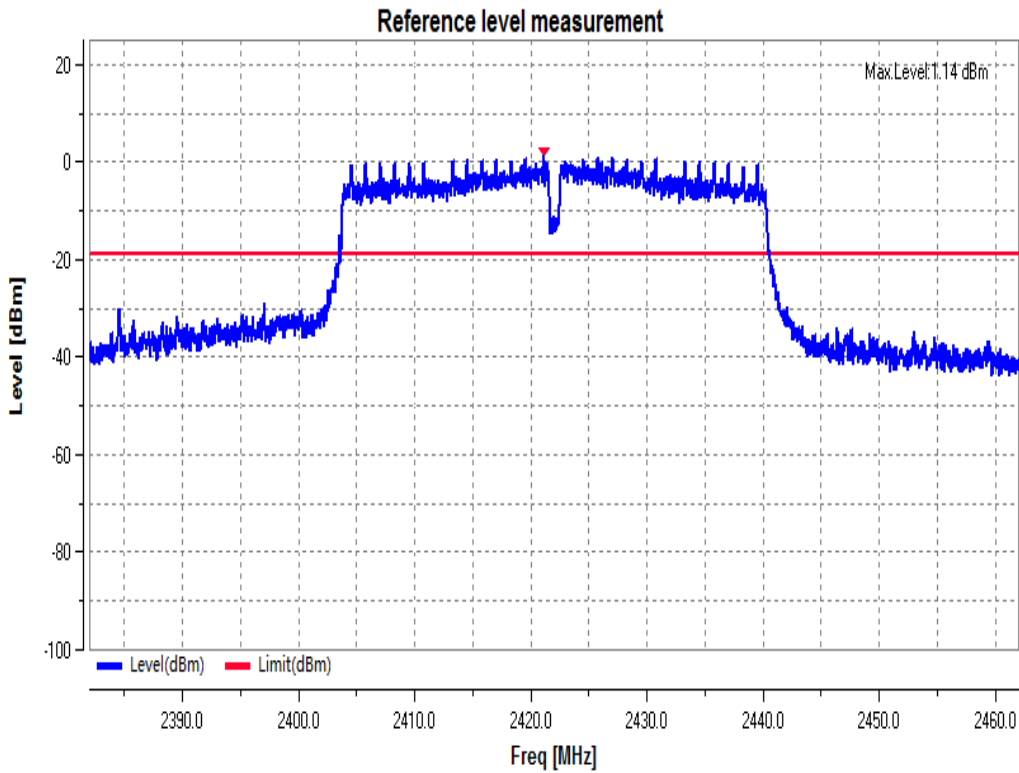
Pref



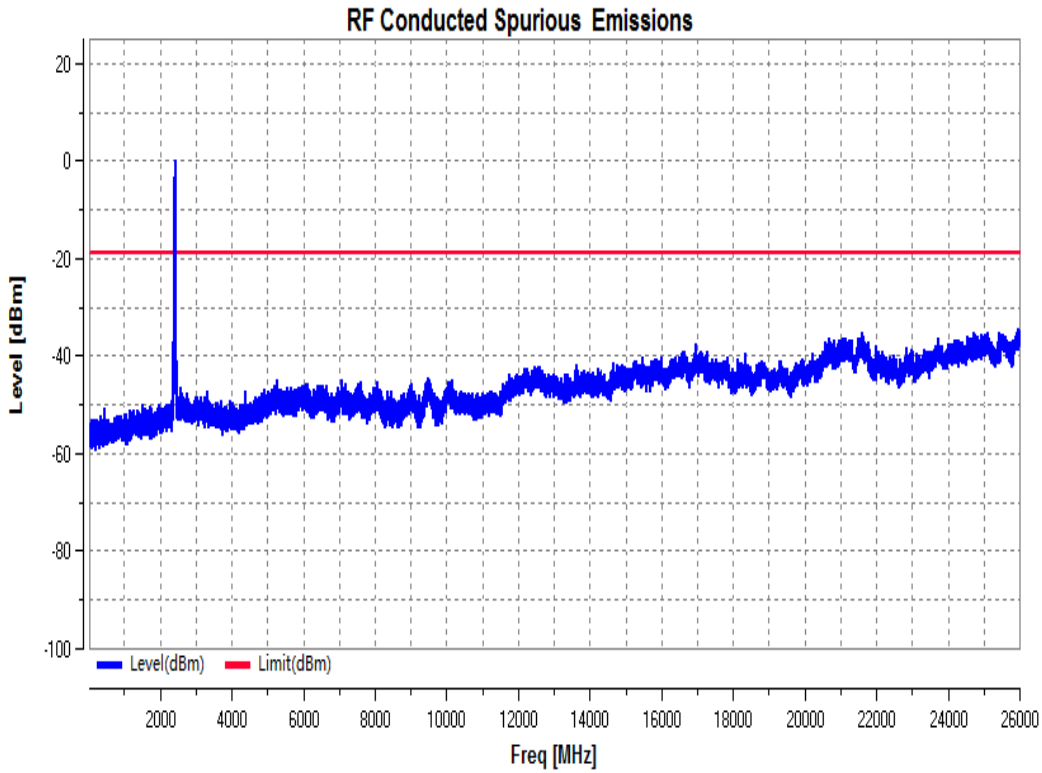
CSE_1



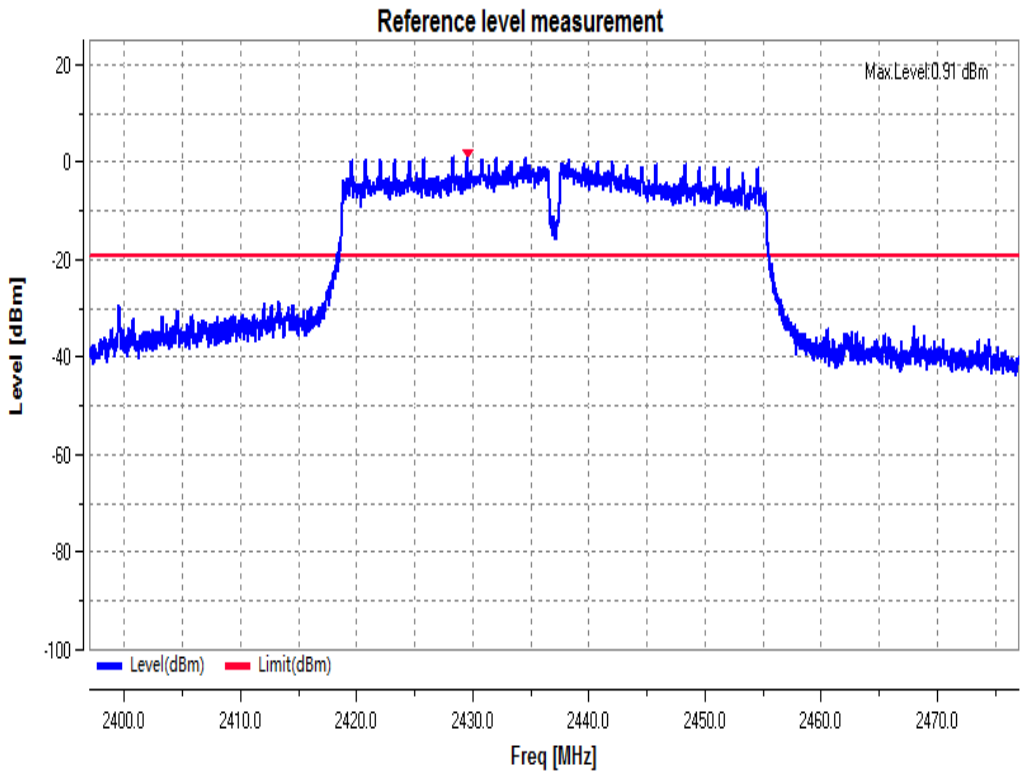
Pref



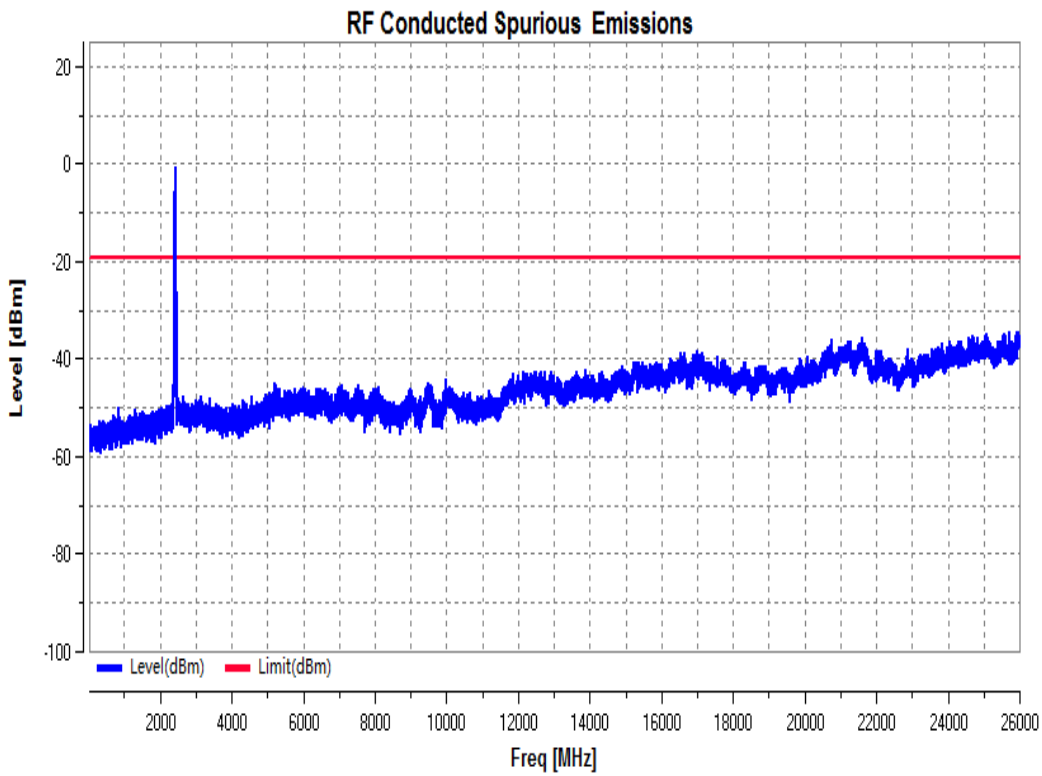
CSE_1



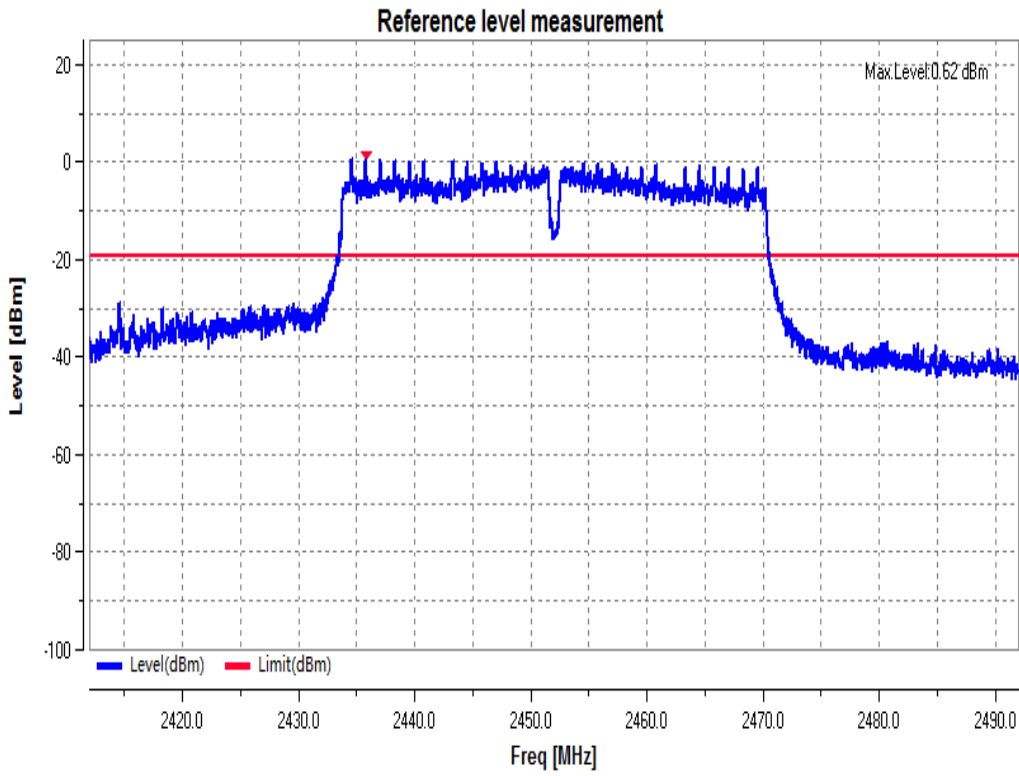
Pref



CSE_1



Pref



CSE_1

