Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3901.516	33.66	29.30	7.56	36.91	33.61	54.00	-20.39	HORIZONTAL
2	3901.516	46.19	29.30	7.56	36.91	46.14	74.00	-27.86	HORIZONTAL
3	4884.649	39.56	30.95	6.86	36.95	40.42	54.00	-13.58	HORIZONTAL
4	4884.649	51.74	30.95	6.86	36.95	52.60	74.00	-21.40	HORIZONTAL
5	6874.906	29.48	34.95	7.23	36.96	34.70	54.00	-19.30	HORIZONTAL
6	6874.906	44.07	34.95	7.23	36.96	49.29	74.00	-24.71	HORIZONTAL
7	7326.475	31.02	35.74	7.39	36.92	37.23	54.00	-16.77	HORIZONTAL
8	7326.475	42.07	35.74	7.39	36.92	48.28	74.00	-25.72	HORIZONTAL
9	9768.689	32.33	37.74	8.37	37.09	41.35	54.00	-12.65	HORIZONTAL
10	9768.689	43.46	37.74	8.37	37.09	52.48	74.00	-21.52	HORIZONTAL
11	12210.450	28.75	39.21	10.98	37.06	41.88	54.00	-12.12	HORIZONTAL
12	12210.450	40.48	39.21	10.98	37.06	53.61	74.00	-20.39	HORIZONTAL

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3261.418	38.97	27.90	5.80	36.99	35.68	54.00	-18.32	VERTICAL
2	3261.418	50.13	27.90	5.80	36.99	46.84	74.00	-27.16	VERTICAL
3	4884.649	44.94	30.95	6.86	36.95	45.80	54.00	-8.20	VERTICAL
4	4884.649	53.45	30.95	6.86	36.95	54.31	74.00	-19.69	VERTICAL
5	6717.762	30.32	34.65	7.18	36.97	35.18	54.00	-18.82	VERTICAL
6	6717.762	44.14	34.65	7.18	36.97	49.00	74.00	-25.00	VERTICAL
7	7326.857	30.79	35.74	7.39	36.92	37.00	54.00	-17.00	VERTICAL
8	7326.857	43.26	35.74	7.39	36.92	49.47	74.00	-24.53	VERTICAL
9	9768.432	30.85	37.74	8.37	37.09	39.87	54.00	-14.13	VERTICAL
10	9768.432	44.19	37.74	8.37	37.09	53.21	74.00	-20.79	VERTICAL
11	12210.390	27.11	39.21	10.98	37.06	40.24	54.00	-13.76	VERTICAL
12	12210.390	40.42	39.21	10.98	37.06	53.55	74.00	-20.45	VERTICAL

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3261.418	38.30	27.90	5.80	36.99	35.01	54.00	-18.99	HORIZONTAL
2	3261.418	50.99	27.90	5.80	36.99	47.70	74.00	-26.30	HORIZONTAL
3	4904.490	33.88	30.97	7.07	36.95	34.97	54.00	-19.03	HORIZONTAL
4	4904.490	47.12	30.97	7.07	36.95	48.21	74.00	-25.79	HORIZONTAL
5	6995.172	30.49	35.10	7.28	36.94	35.93	54.00	-18.07	HORIZONTAL
6	6995.172	44.07	35.10	7.28	36.94	49.51	74.00	-24.49	HORIZONTAL
7	7386.062	28.60	35.85	7.42	36.92	34.95	54.00	-19.05	HORIZONTAL
8	7386.062	42.77	35.85	7.42	36.92	49.12	74.00	-24.88	HORIZONTAL
9	9808.710	31.43	37.79	8.41	37.09	40.54	54.00	-13.46	HORIZONTAL
10	9808.710	42.97	37.79	8.41	37.09	52.08	74.00	-21.92	HORIZONTAL
11	12260.700	29.05	39.15	11.02	37.03	42.19	54.00	-11.81	HORIZONTAL
12	12260.700	41.78	39.15	11.02	37.03	54.92	74.00	-19.08	HORIZONTAL

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4904.649	35.04	30.97	7.07	36.95	36.13	54.00	-17.87	VERTICAL
2	4904.649	48.47	30.97	7.07	36.95	49.56	74.00	-24.44	VERTICAL
3	6583.209	31.61	34.40	7.12	36.98	36.15	54.00	-17.85	VERTICAL
4	6583.209	44.36	34.40	7.12	36.98	48.90	74.00	-25.10	VERTICAL
5	7356.254	30.44	35.78	7.40	36.92	36.70	54.00	-17.30	VERTICAL
6	7356.254	44.53	35.78	7.40	36.92	50.79	74.00	-23.21	VERTICAL
7	8917.462	31.08	36.45	8.14	37.00	38.67	54.00	-15.33	VERTICAL
8	8917.462	44.45	36.45	8.14	37.00	52.04	74.00	-21.96	VERTICAL
9	9808.525	28.69	37.79	8.41	37.09	37.80	54.00	-16.20	VERTICAL
10	9808.525	41.68	37.79	8.41	37.09	50.79	74.00	-23.21	VERTICAL
11	12260.220	30.08	39.15	11.02	37.03	43.22	54.00	-10.78	VERTICAL
12	12260.220	43.77	39.15	11.02	37.03	56.91	74.00	-17.09	VERTICAL

8 Appendix

8.1 Appendix 15.247

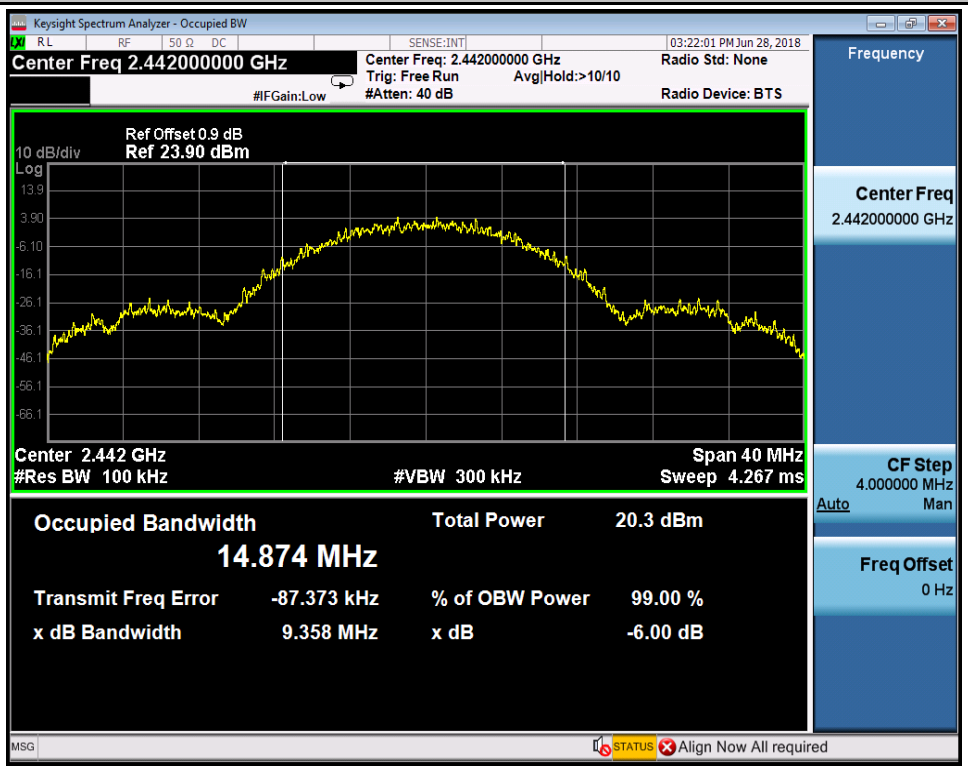
1. 6dB Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	15.027	9.337	0.5	PASS
11B	2442	Ant1	14.875	9.358	0.5	PASS
11B	2462	Ant1	14.691	9.345	0.5	PASS
11G	2412	Ant1	16.417	15.69	0.5	PASS
11G	2442	Ant1	16.395	15.10	0.5	PASS
11G	2462	Ant1	16.389	15.11	0.5	PASS
11N20SISO	2412	Ant1	17.567	15.11	0.5	PASS
11N20SISO	2442	Ant1	17.535	15.10	0.5	PASS
11N20SISO	2462	Ant1	17.534	15.11	0.5	PASS
11N40SISO	2422	Ant1	35.837	35.10	0.5	PASS
11N40SISO	2442	Ant1	35.809	35.09	0.5	PASS
11N40SISO	2452	Ant1	35.830	35.10	0.5	PASS

TEST PLOT

6dB Bandwidth_11B_2412_Ant1

6dB Bandwidth_11B_2442_Ant1

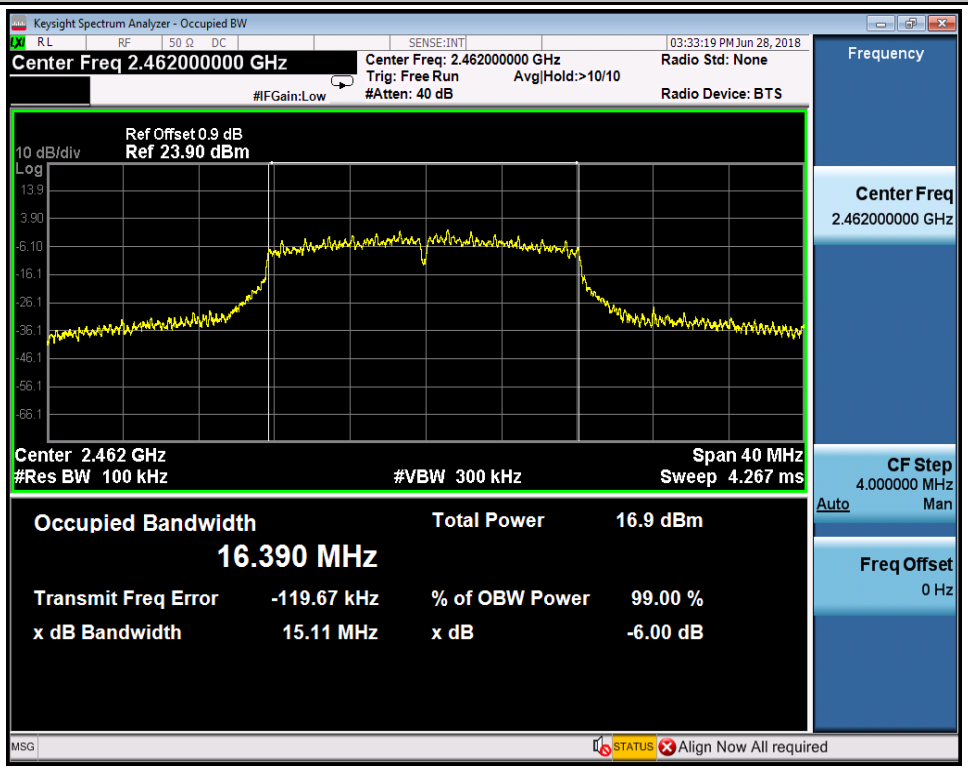


6dB Bandwidth_11B_2462_Ant1

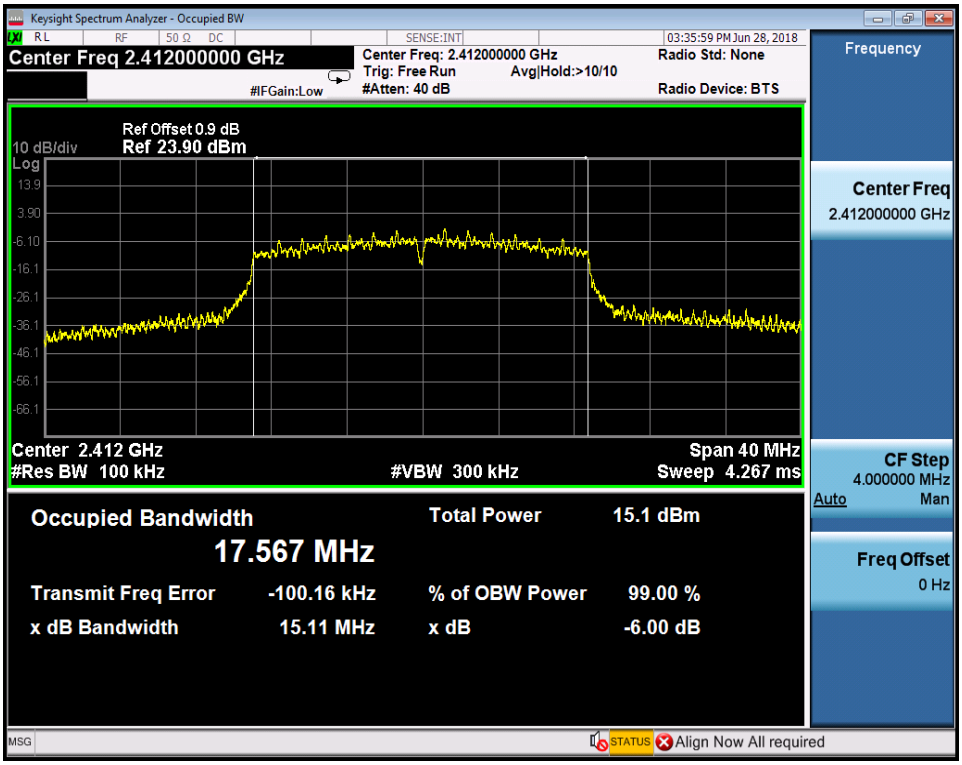
6dB Bandwidth_11G_2412_Ant1

6dB Bandwidth_11G_2442_Ant1

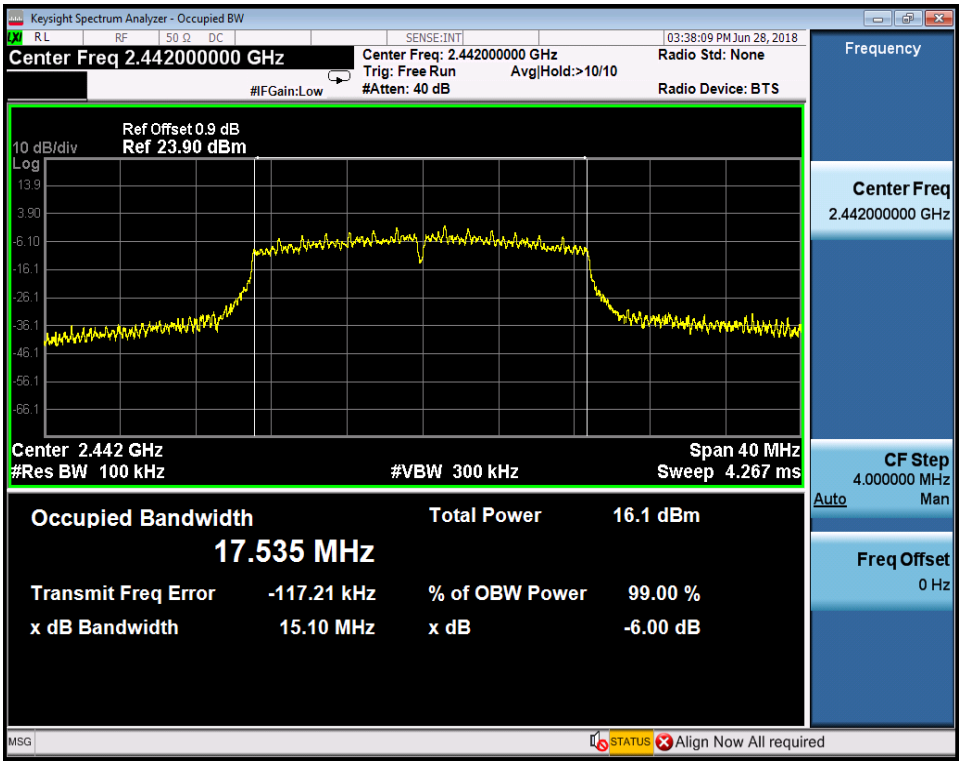
6dB Bandwidth_11G_2462_Ant1



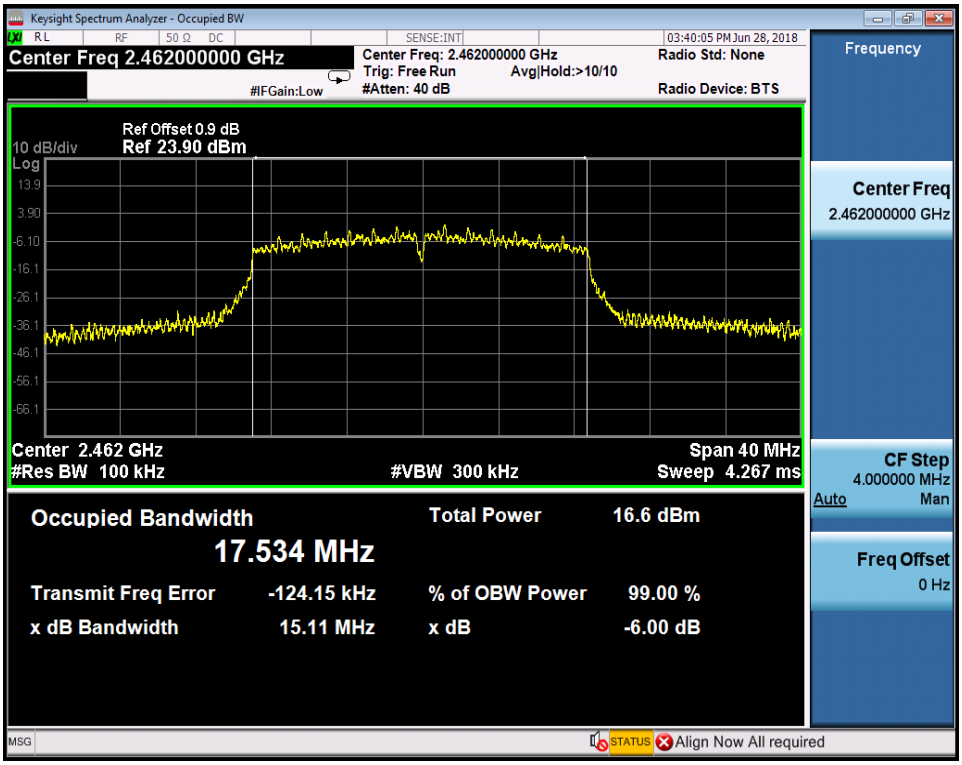
6dB Bandwidth_11N20SISO_2412_Ant1



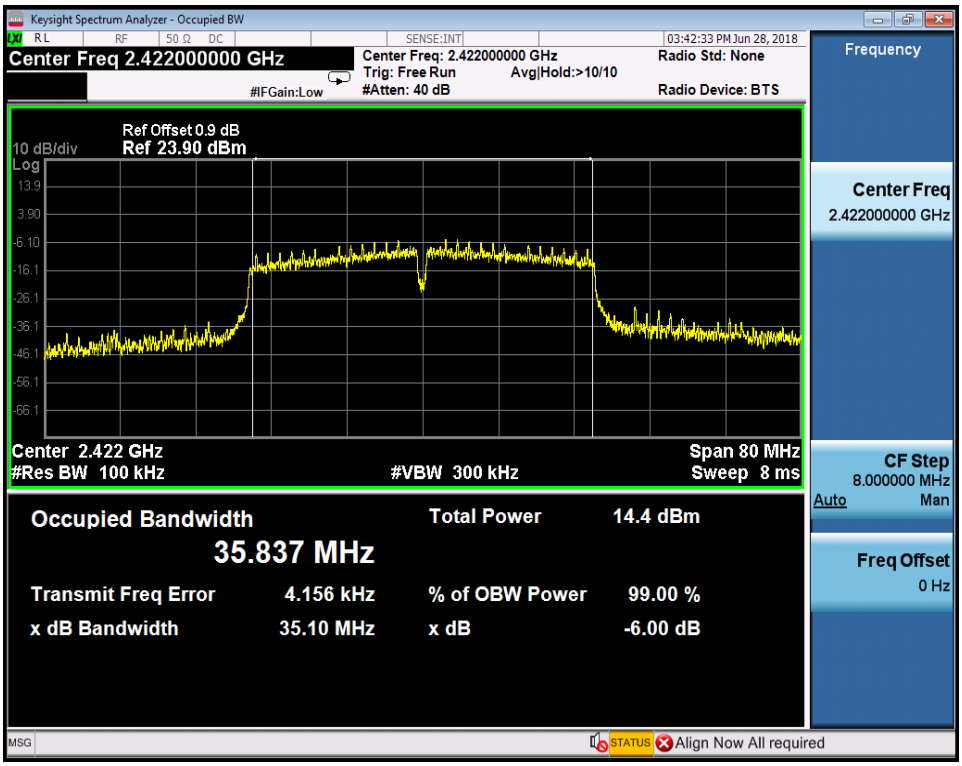
6dB Bandwidth_11N20SISO_2442_Ant1



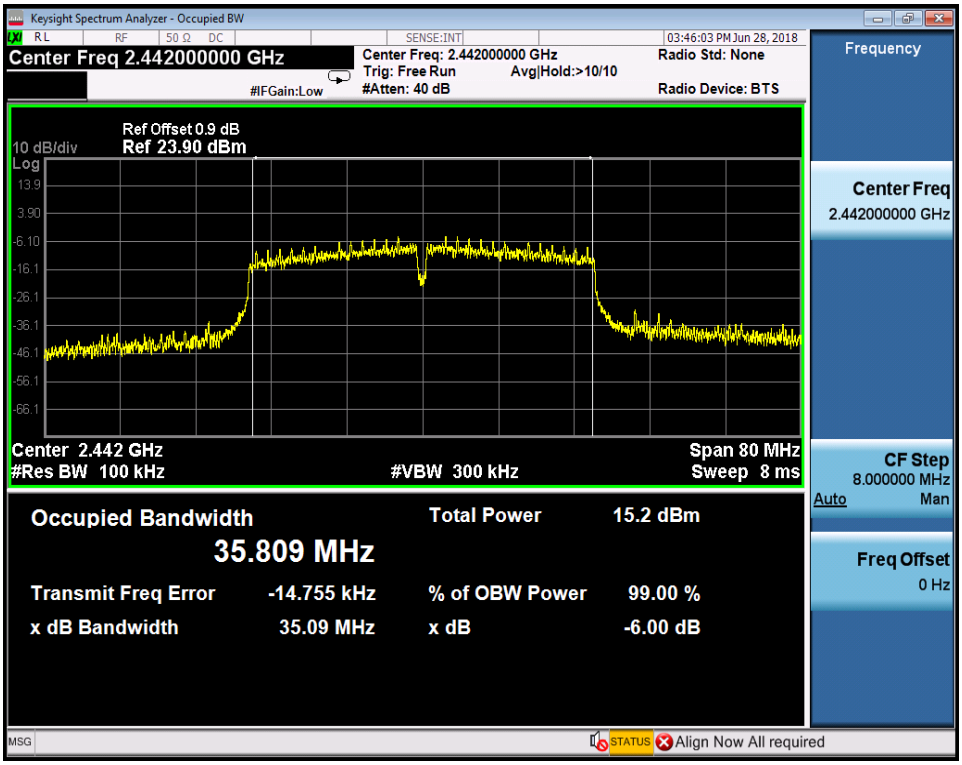
6dB Bandwidth_11N20SISO_2462_Ant1



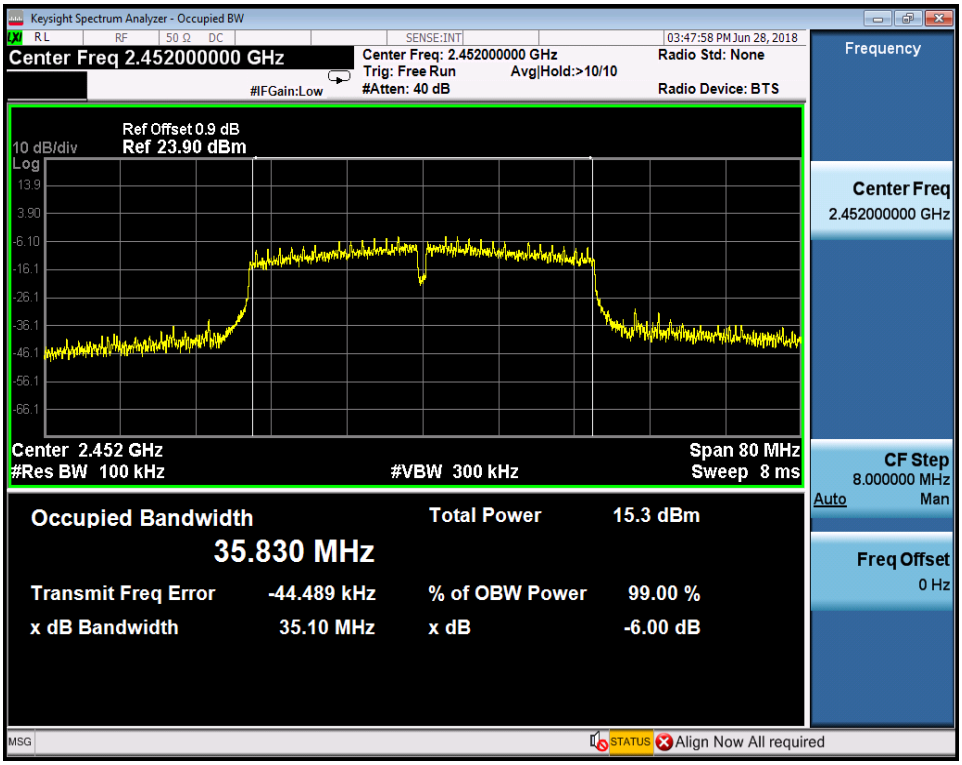
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2442_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1

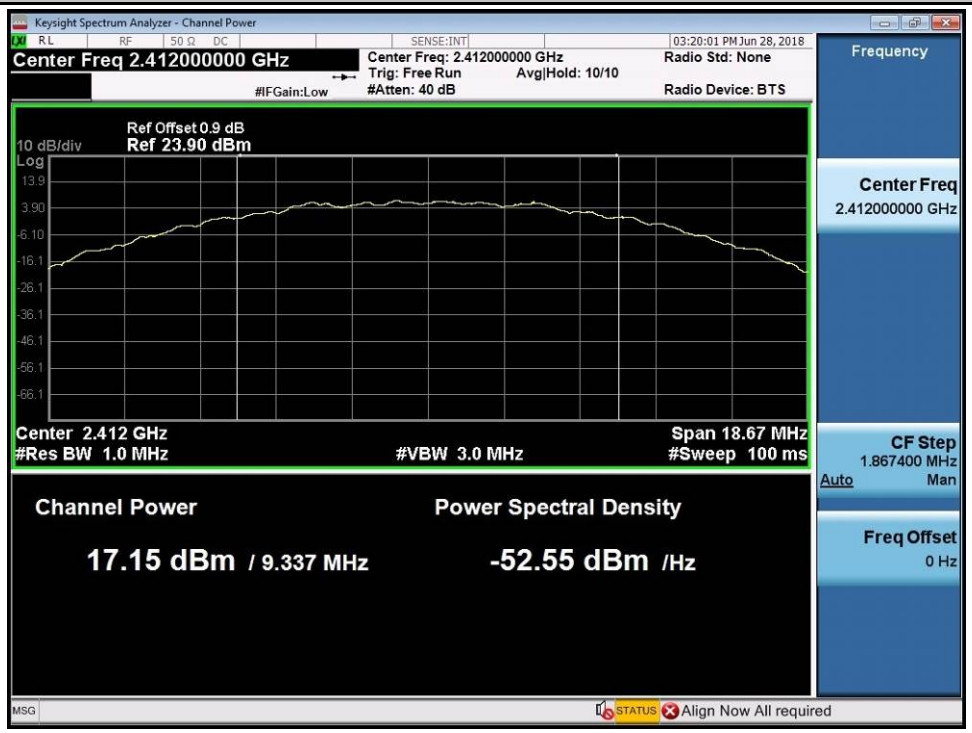


2. Maximum peak conducted output power

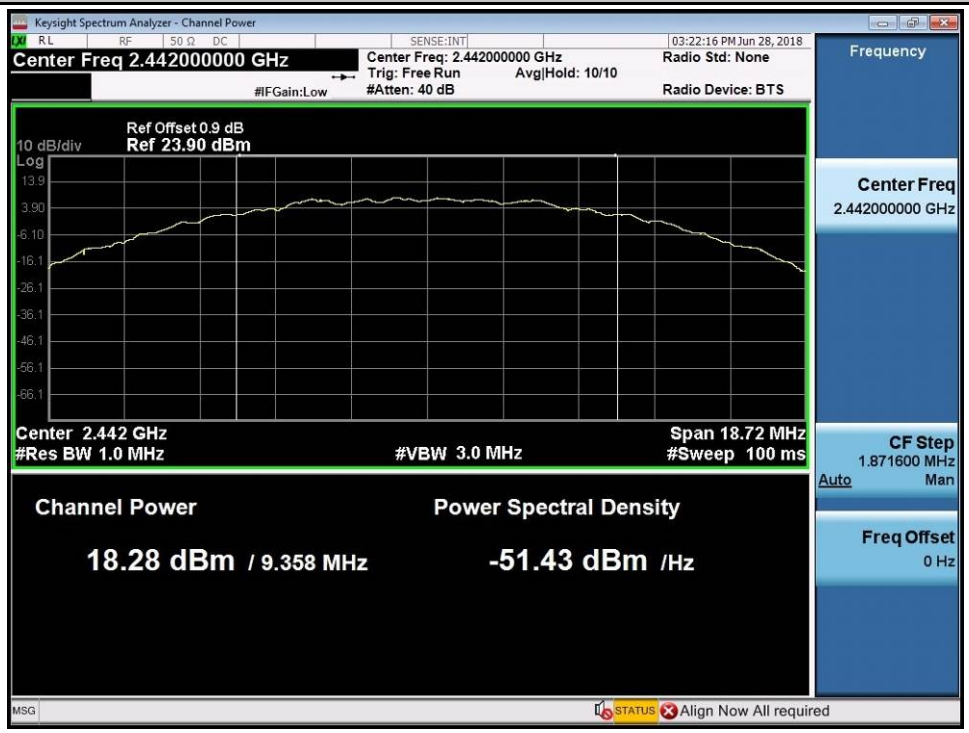
Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	17.15	30	PASS
11B	2442	Ant1	18.28	30	PASS
11B	2462	Ant1	18.5	30	PASS
11G	2412	Ant1	15.73	30	PASS
11G	2442	Ant1	16.94	30	PASS
11G	2462	Ant1	17.21	30	PASS
11N20SISO	2412	Ant1	15.16	30	PASS
11N20SISO	2442	Ant1	16.2	30	PASS
11N20SISO	2462	Ant1	16.58	30	PASS
11N40SISO	2422	Ant1	14.84	30	PASS
11N40SISO	2442	Ant1	15.69	30	PASS
11N40SISO	2452	Ant1	15.79	30	PASS

TEST PLOT

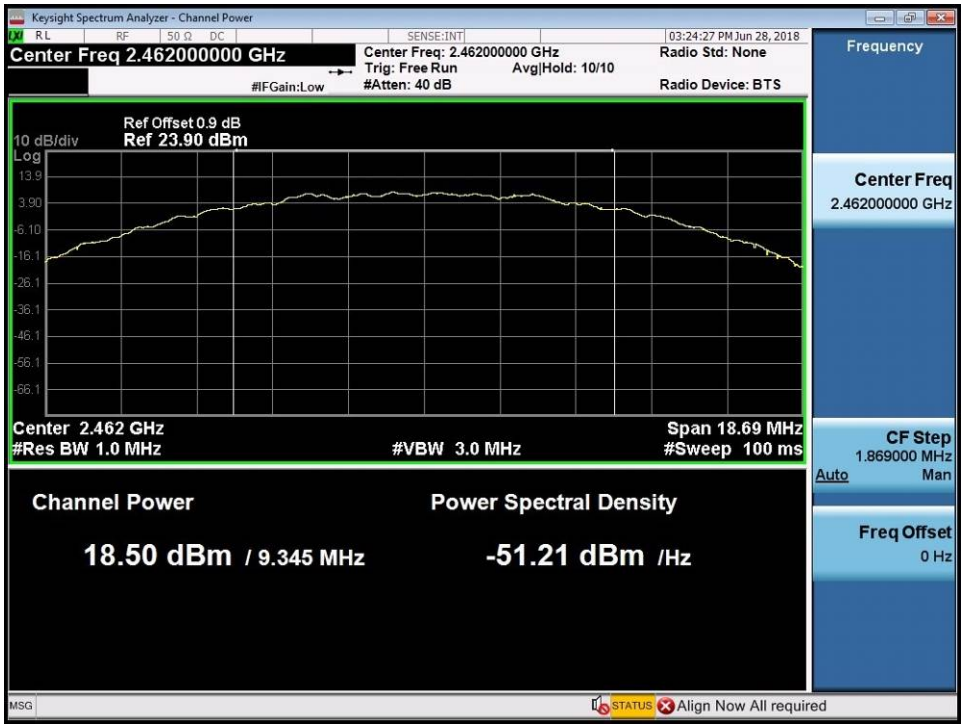
Maximum peak conducted output power_11B_2412_Ant1



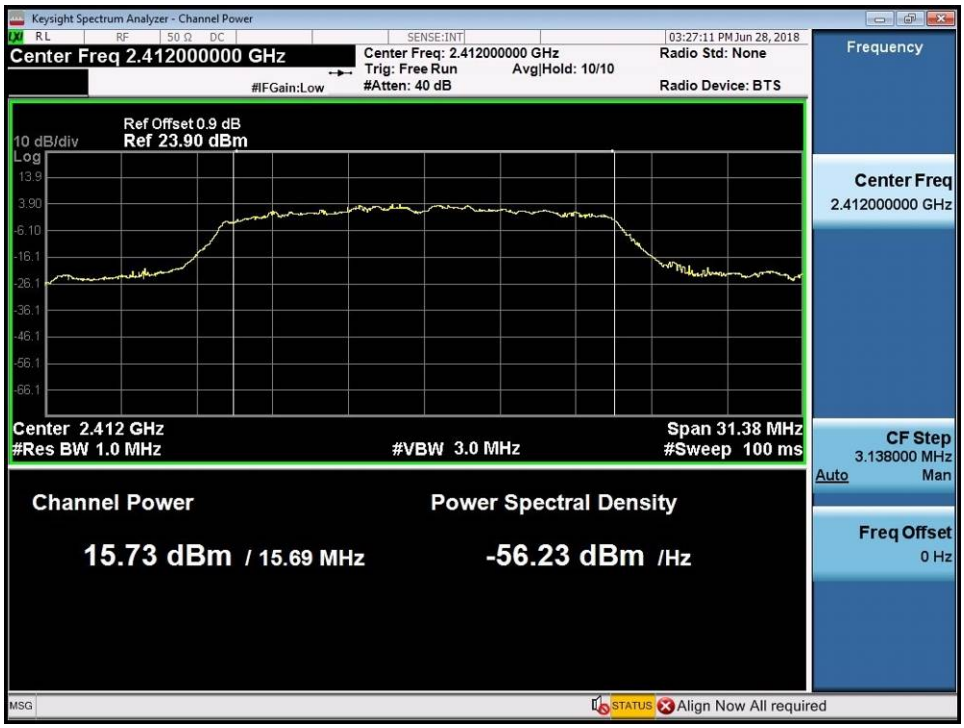
Maximum peak conducted output power_11B_2442_Ant1



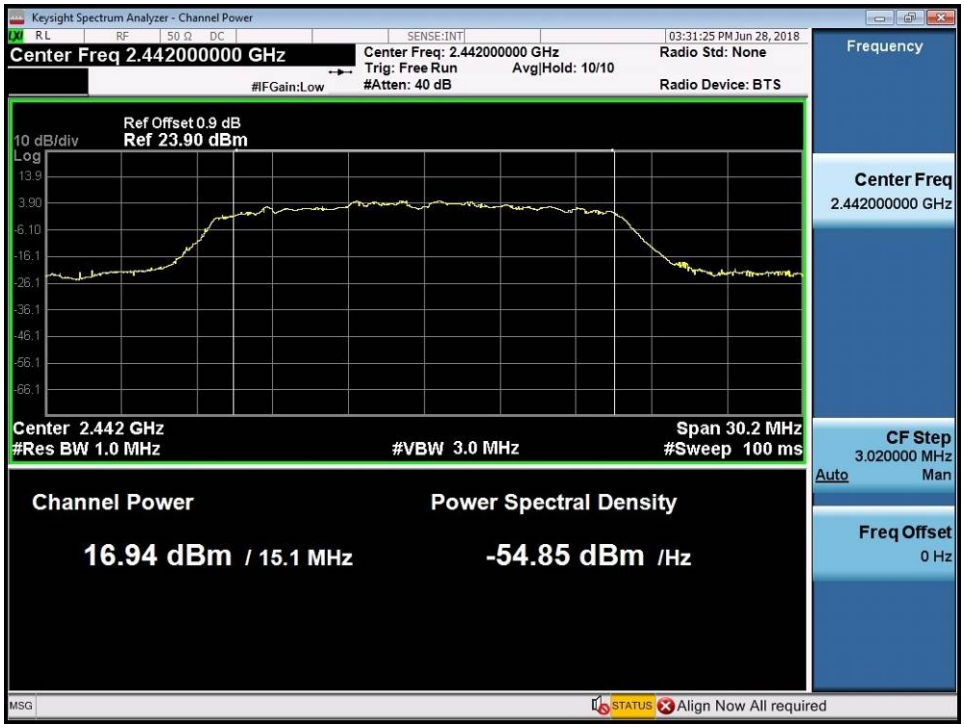
Maximum peak conducted output power_11B_2462_Ant1



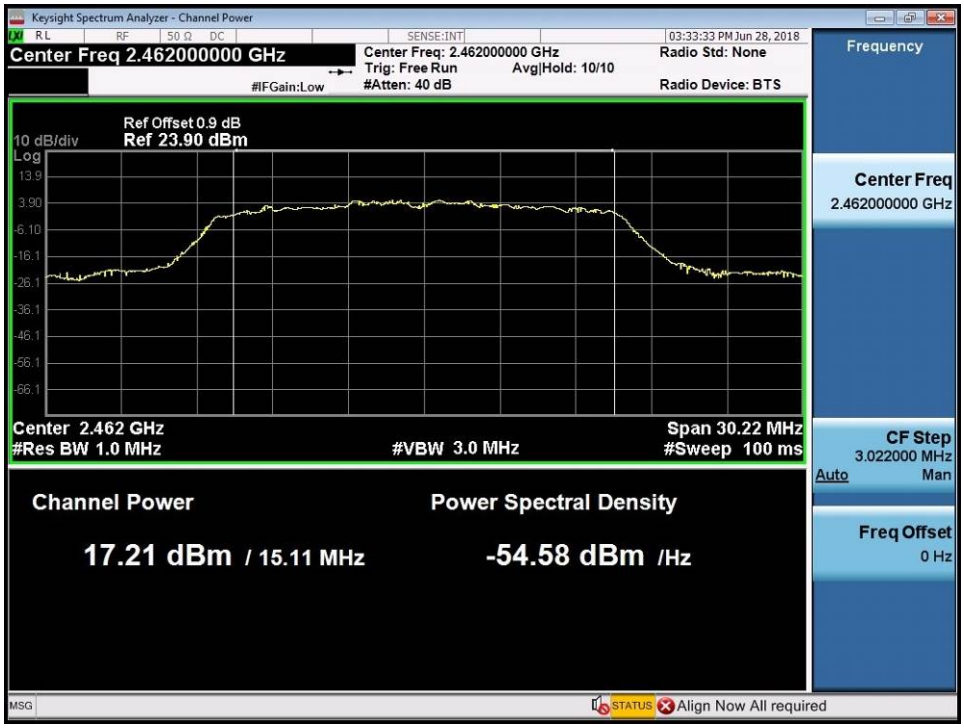
Maximum peak conducted output power_11G_2412_Ant1



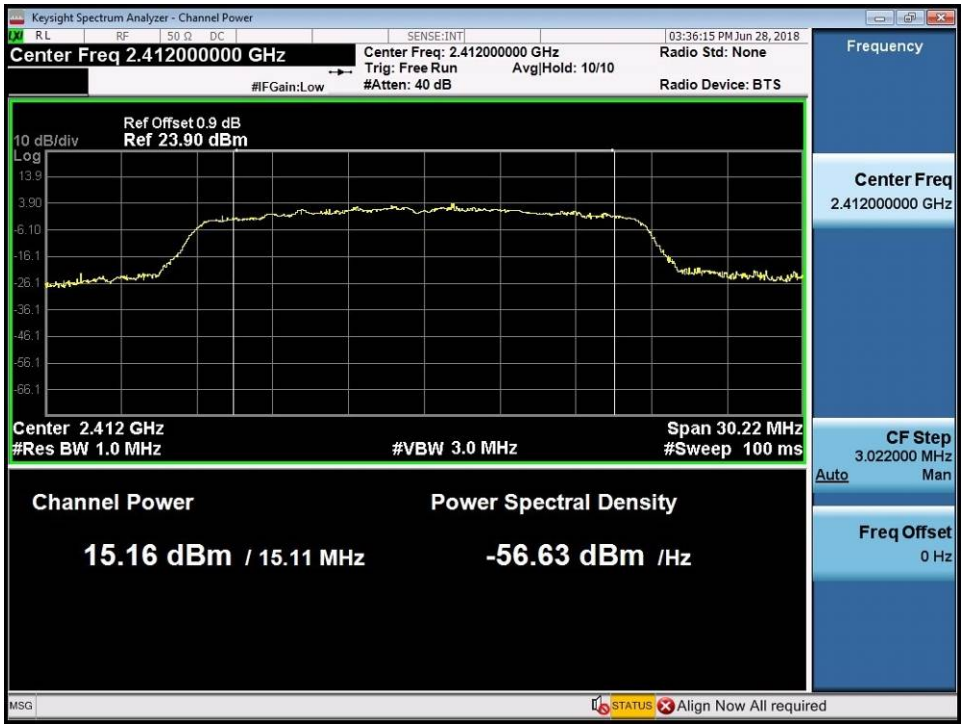
Maximum peak conducted output power_11G_2442_Ant1



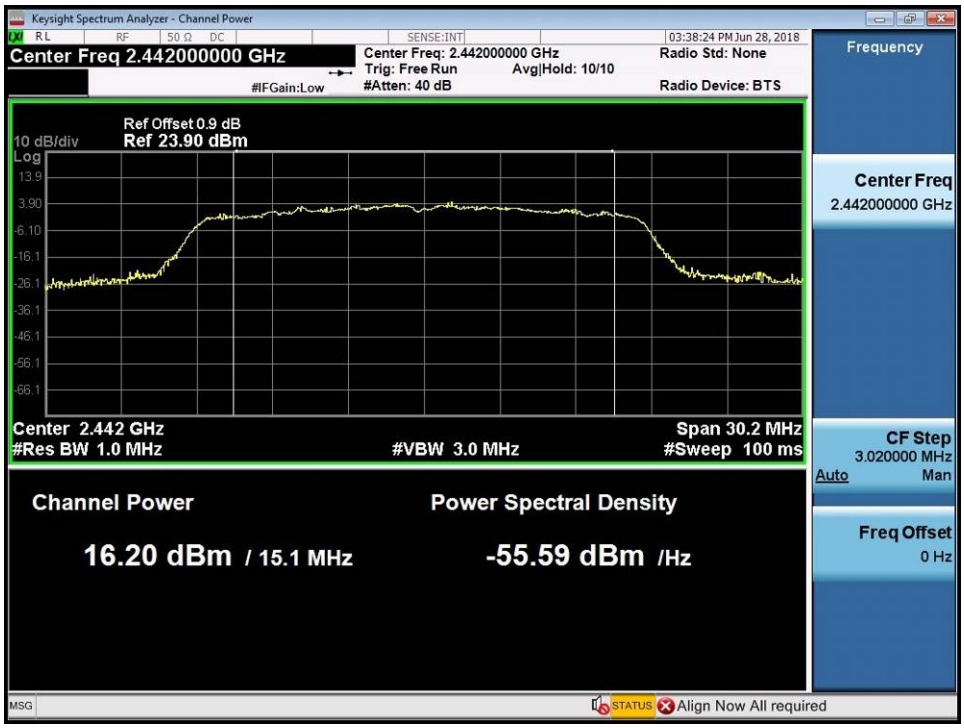
Maximum peak conducted output power_11G_2462_Ant1



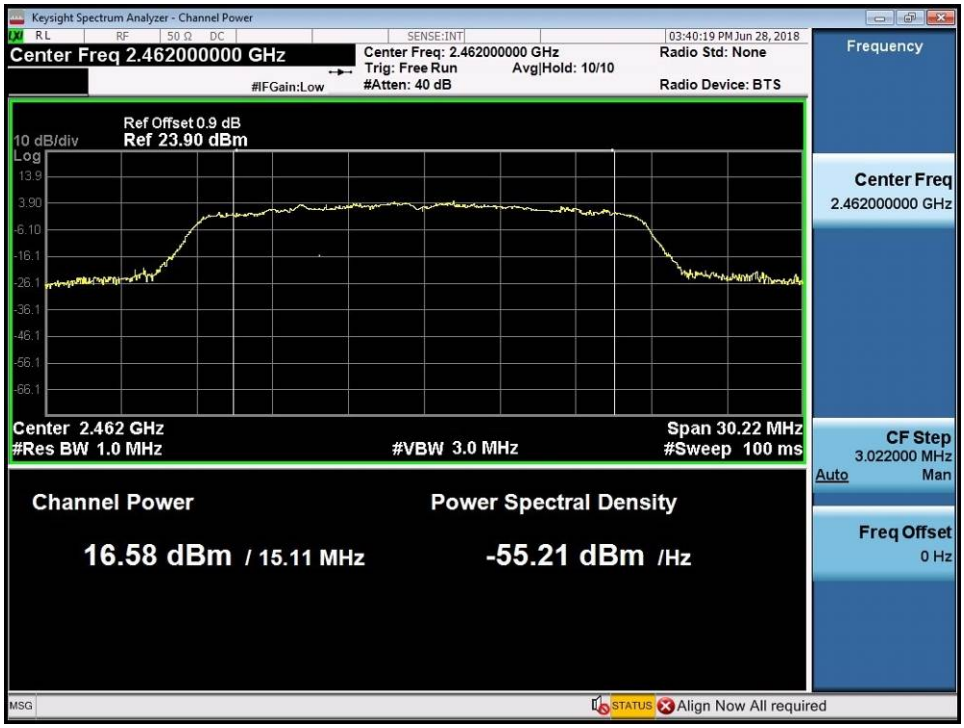
Maximum peak conducted output power_11N20SISO_2412_Ant1



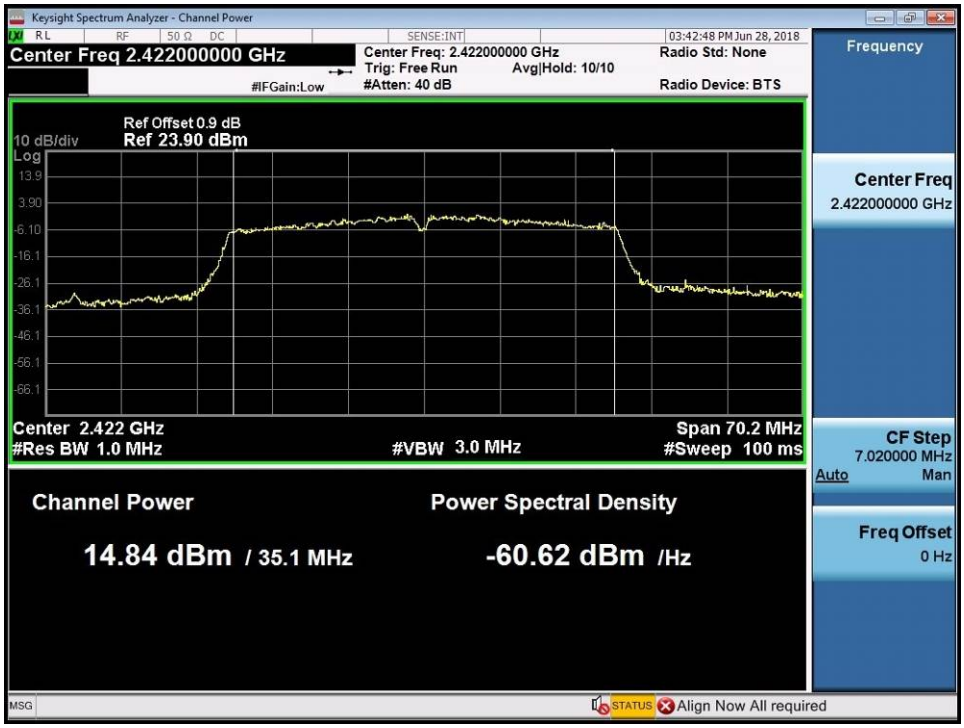
Maximum peak conducted output power_11N20SISO_2442_Ant1



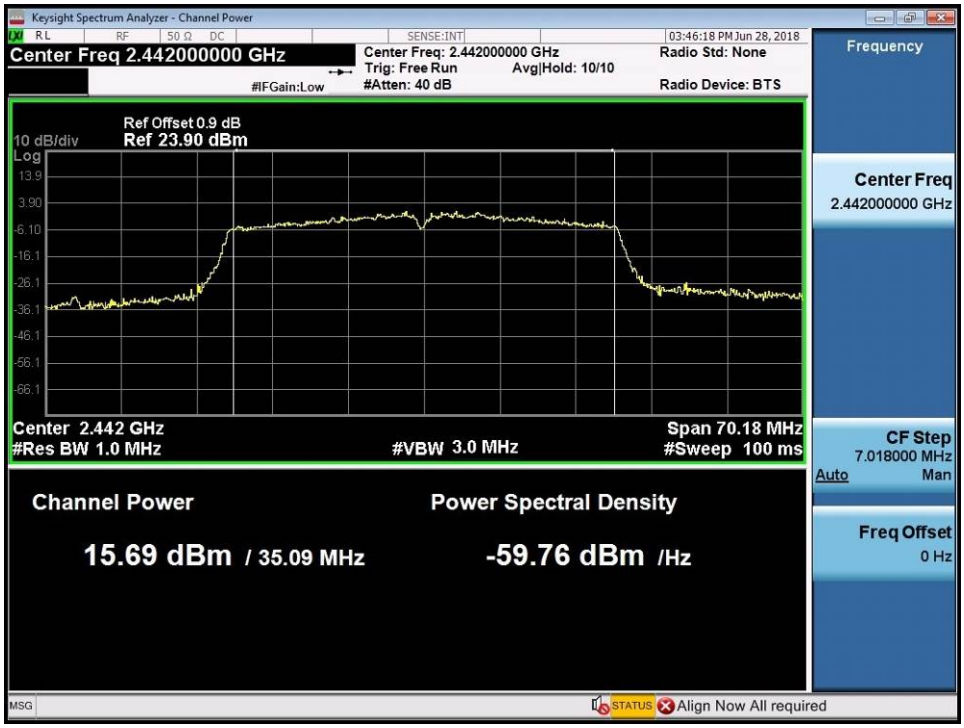
Maximum peak conducted output power_11N20SISO_2462_Ant1



Maximum peak conducted output power_11N40SISO_2422_Ant1



Maximum peak conducted output power_11N40SISO_2442_Ant1



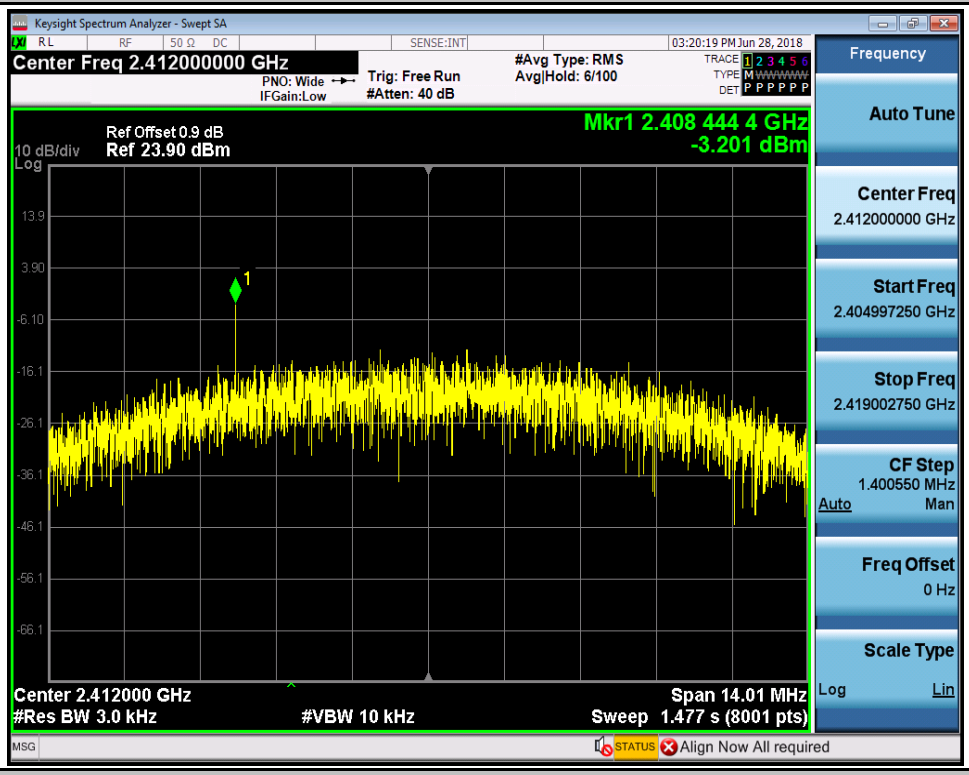
Maximum peak conducted output power_11N40SISO_2452_Ant1

3.Maximum Peak power spectral density

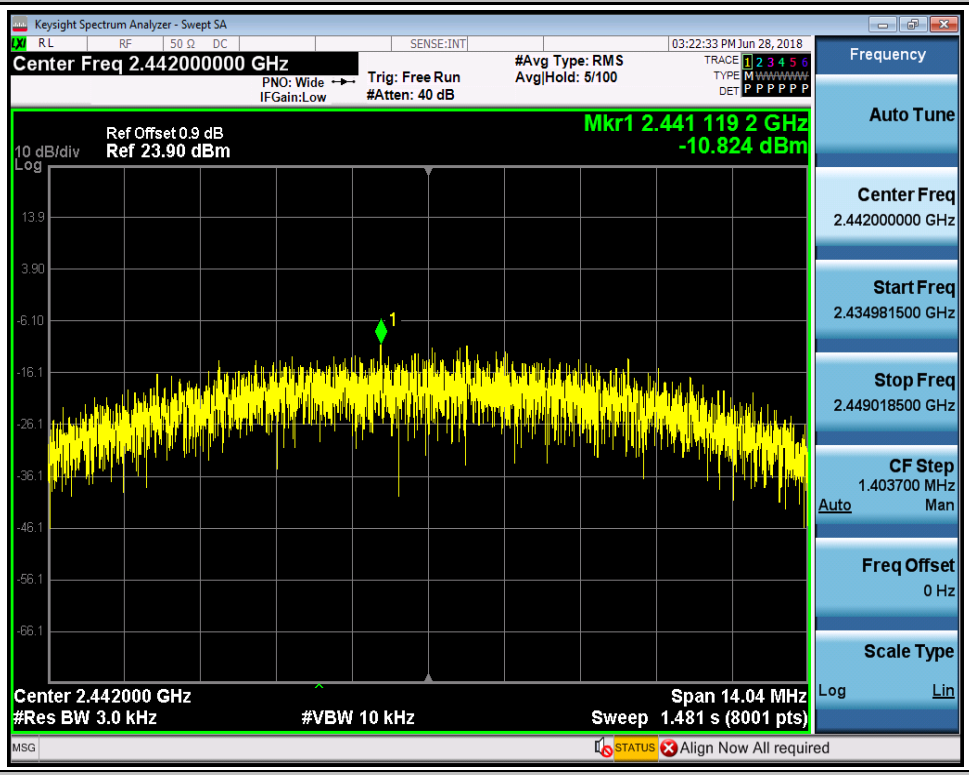
Test Mode	Test Channel	Ant	Result	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-3.201	8.00	PASS
11B	2442	Ant1	-10.824	8.00	PASS
11B	2462	Ant1	-7.388	8.00	PASS
11G	2412	Ant1	-17.578	8.00	PASS
11G	2442	Ant1	-16.938	8.00	PASS
11G	2462	Ant1	-15.967	8.00	PASS
11N20SISO	2412	Ant1	-16.388	8.00	PASS
11N20SISO	2442	Ant1	-17.898	8.00	PASS
11N20SISO	2462	Ant1	-17.013	8.00	PASS
11N40SISO	2422	Ant1	-21.376	8.00	PASS
11N40SISO	2442	Ant1	-20.287	8.00	PASS
11N40SISO	2452	Ant1	-21.213	8.00	PASS

TEST PLOT

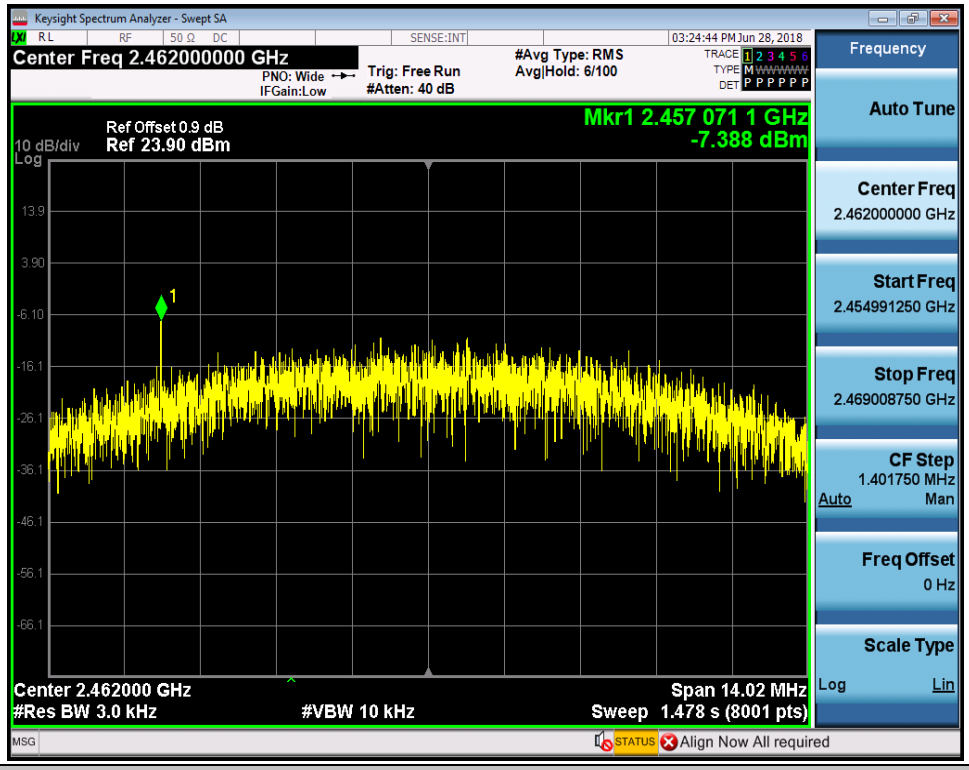
Maximum Peak power spectral density_11B_2412_Ant1



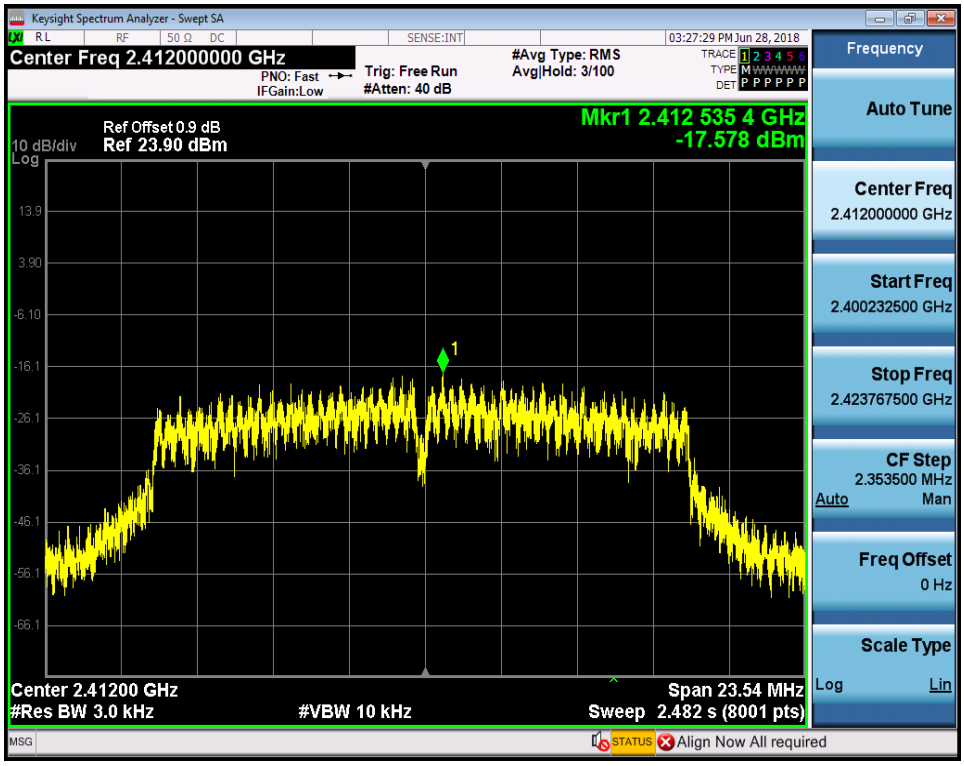
Maximum Peak power spectral density_11B_2442_Ant1



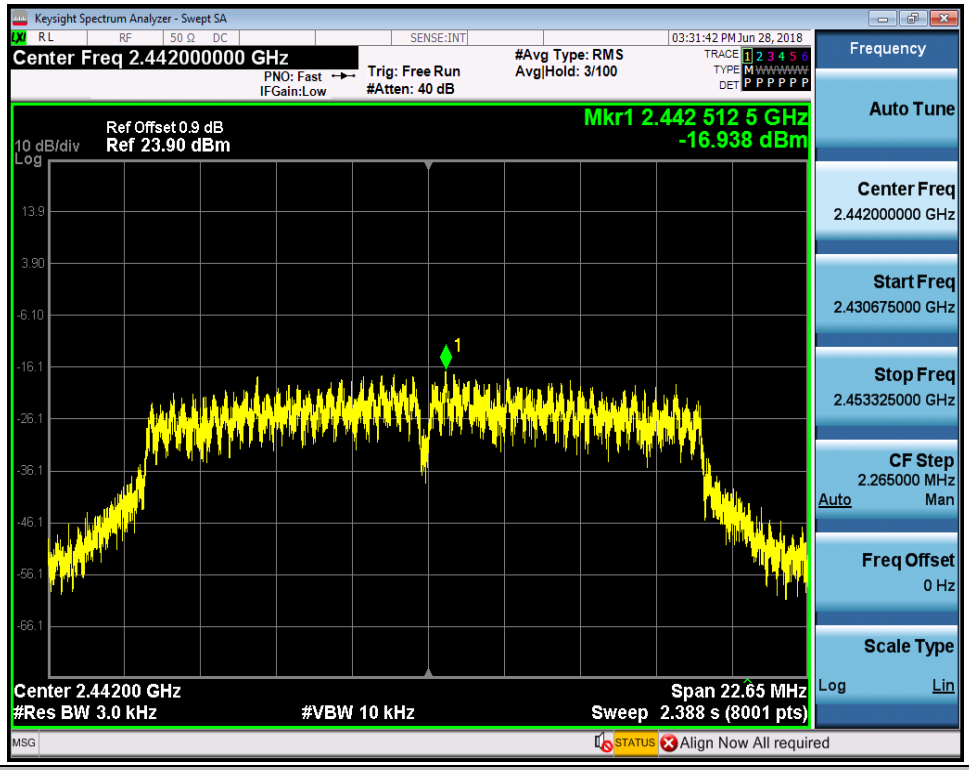
Maximum Peak power spectral density_11B_2462_Ant1



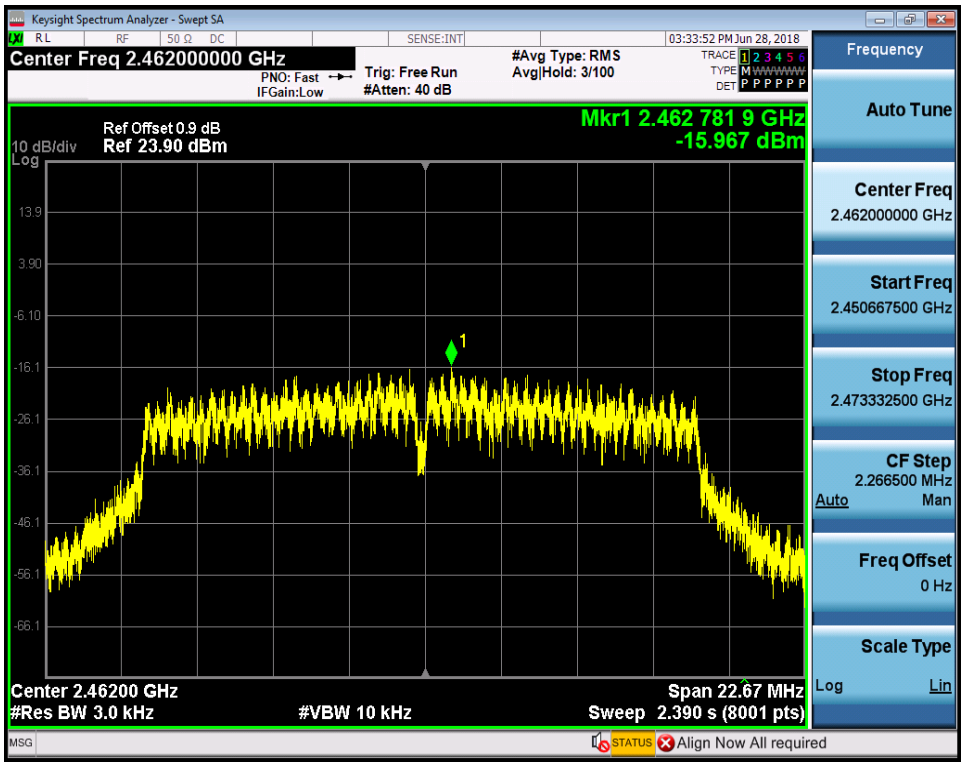
Maximum Peak power spectral density_11G_2412_Ant1



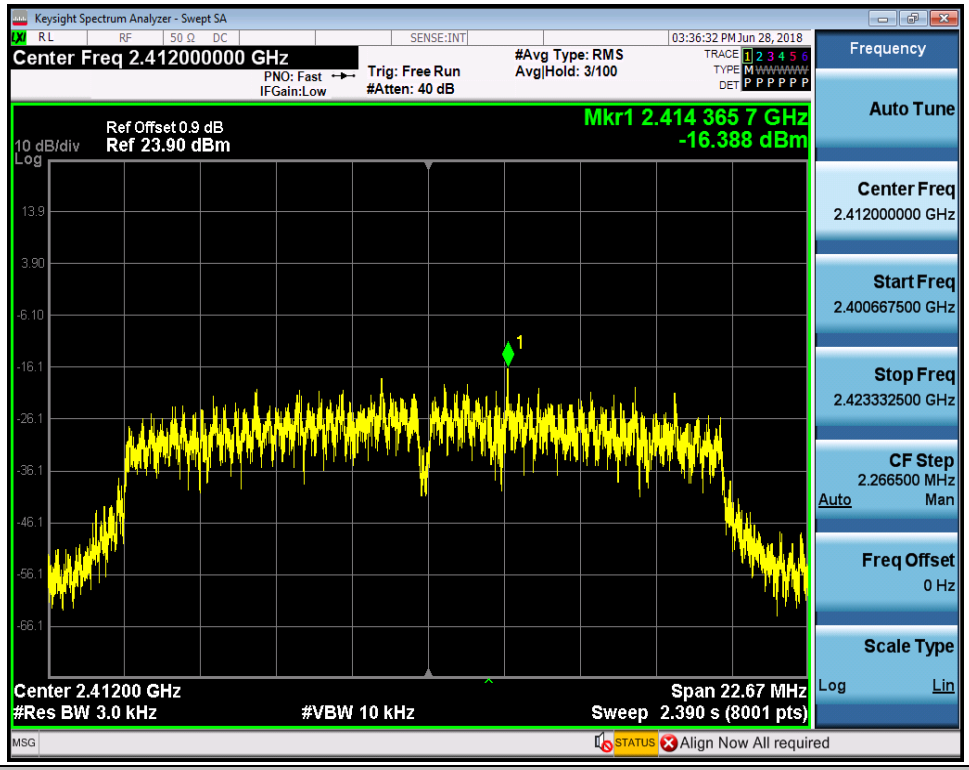
Maximum Peak power spectral density_11G_2442_Ant1



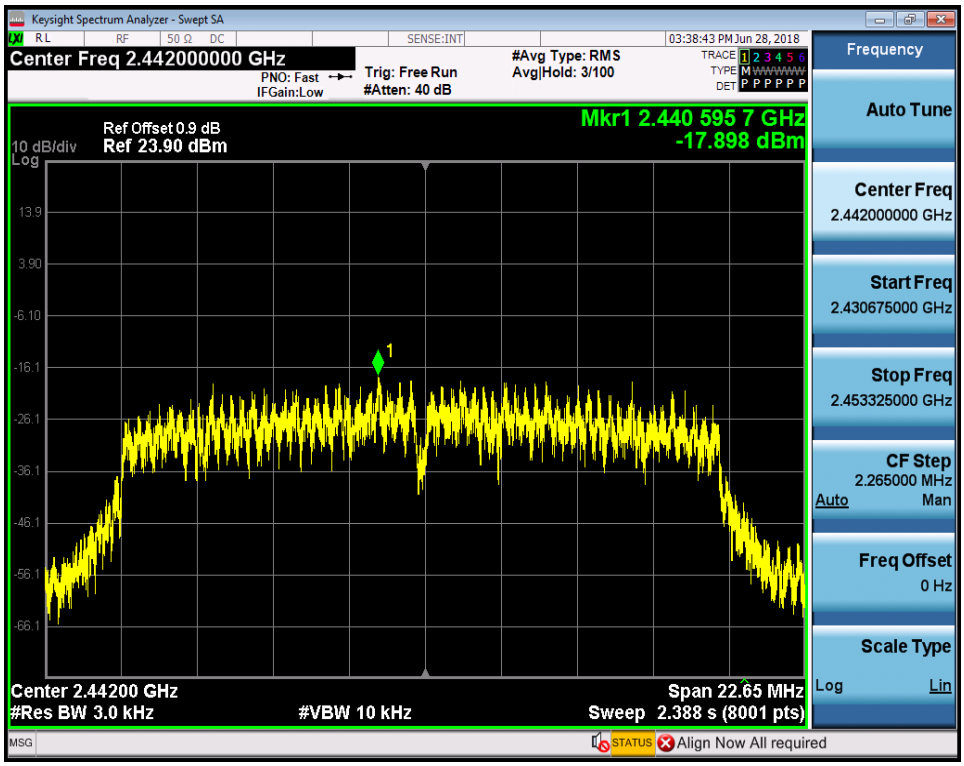
Maximum Peak power spectral density_11G_2462_Ant1



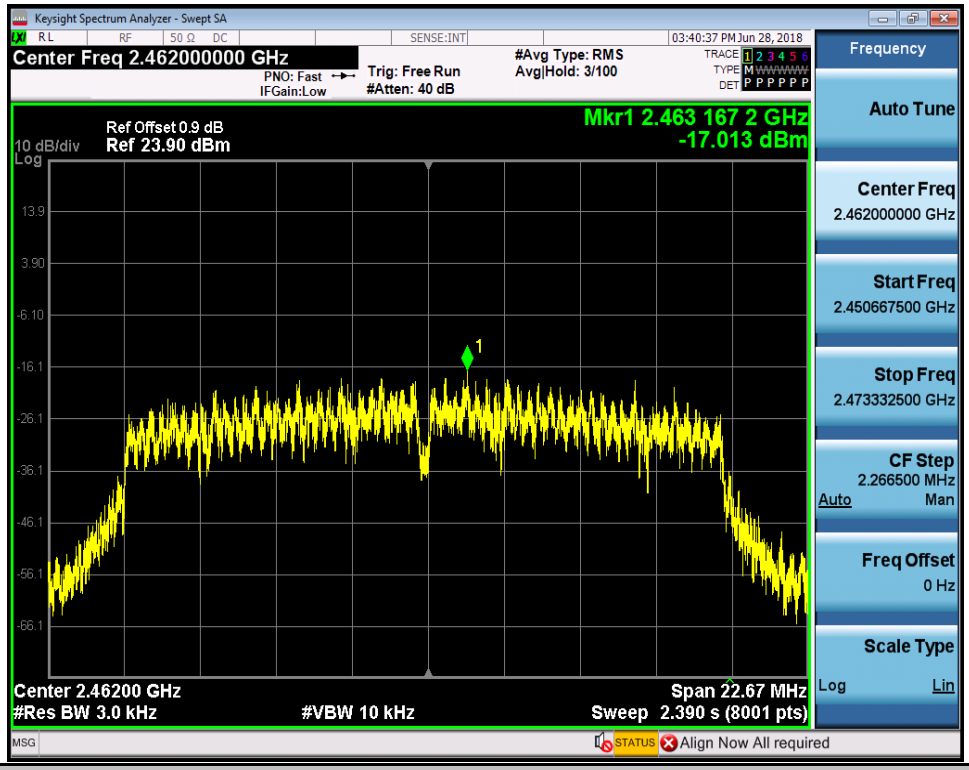
Maximum Peak power spectral density_11N20SISO_2412_Ant1



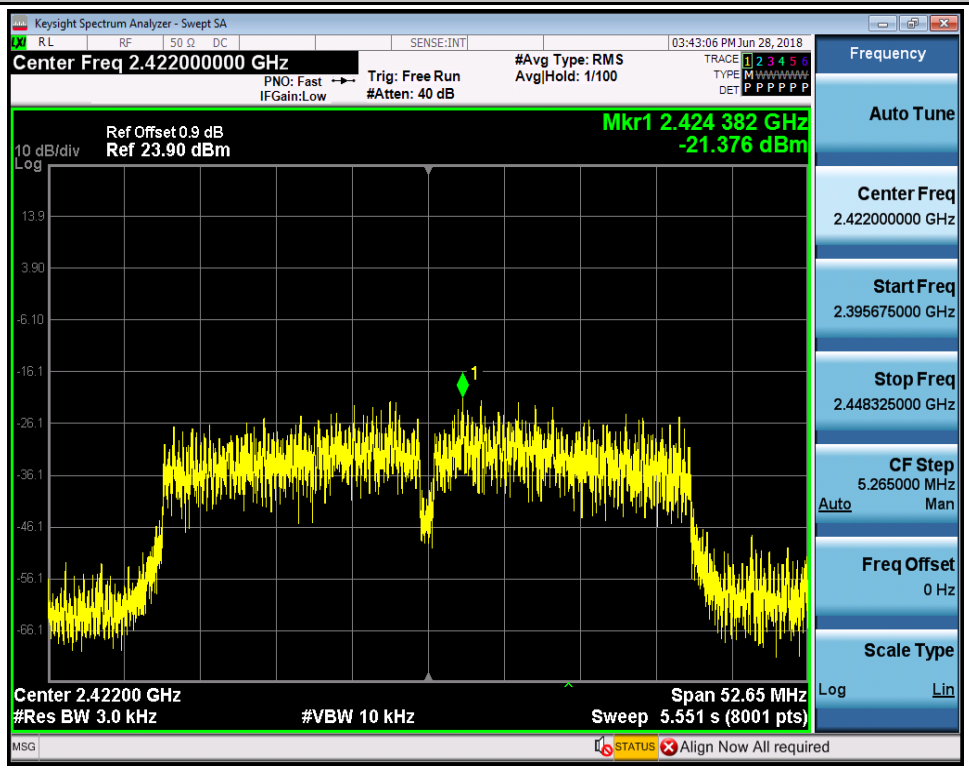
Maximum Peak power spectral density_11N20SISO_2442_Ant1



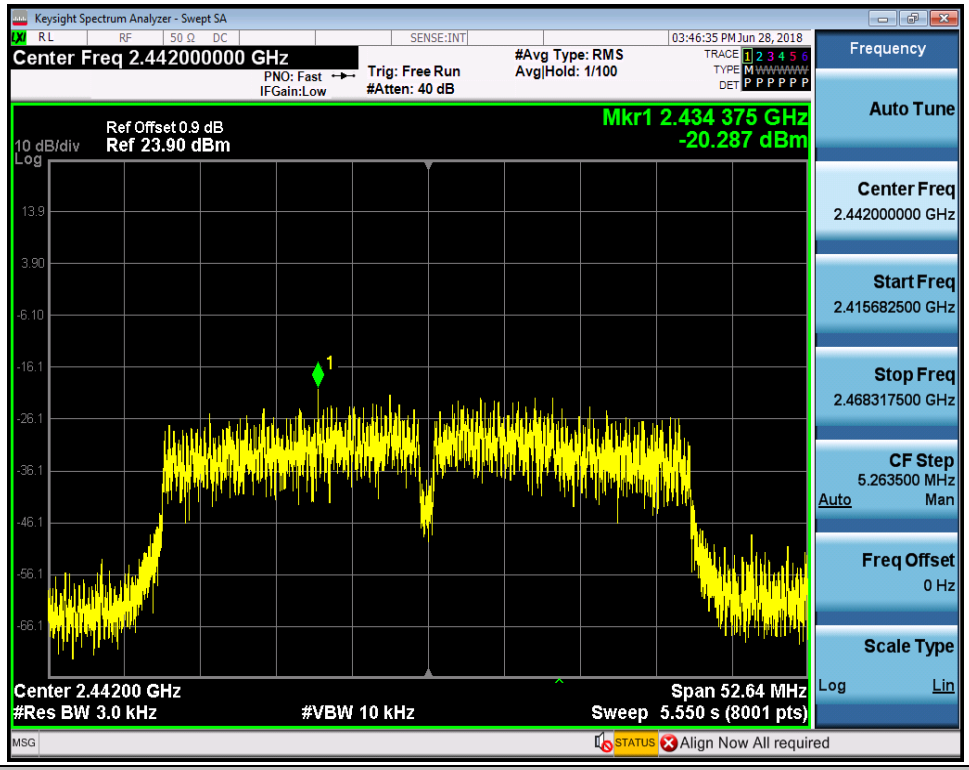
Maximum Peak power spectral density_11N20SISO_2462_Ant1



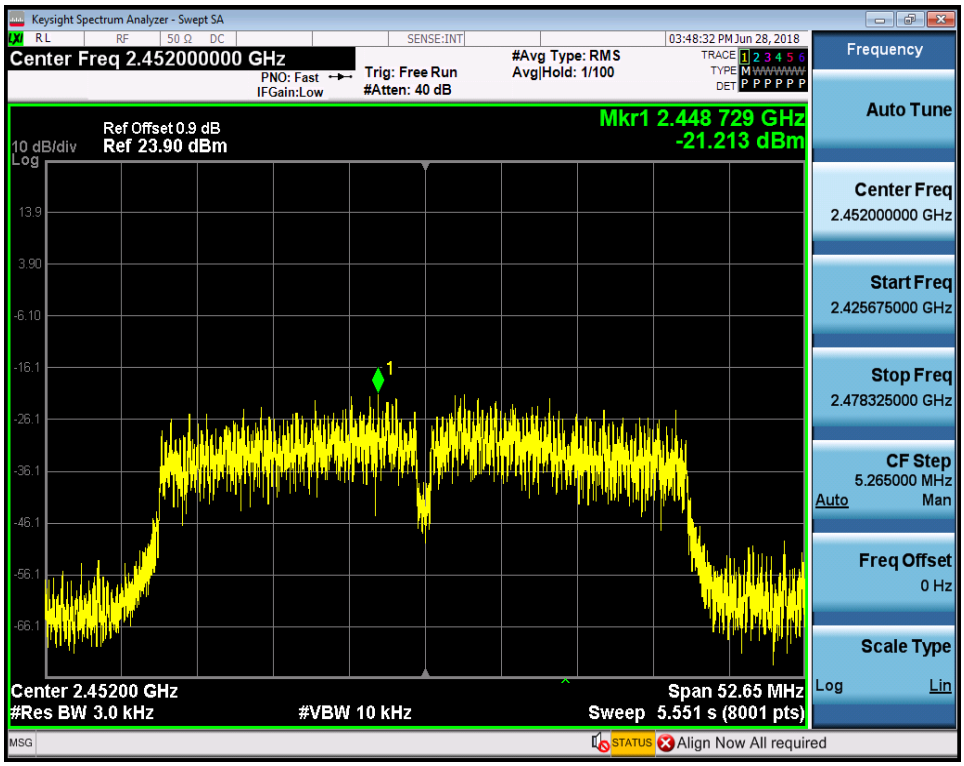
Maximum Peak power spectral density_11N40SISO_2422_Ant1



Maximum Peak power spectral density_11N40SISO_2442_Ant1



Maximum Peak power spectral density_11N40SISO_2452_Ant1

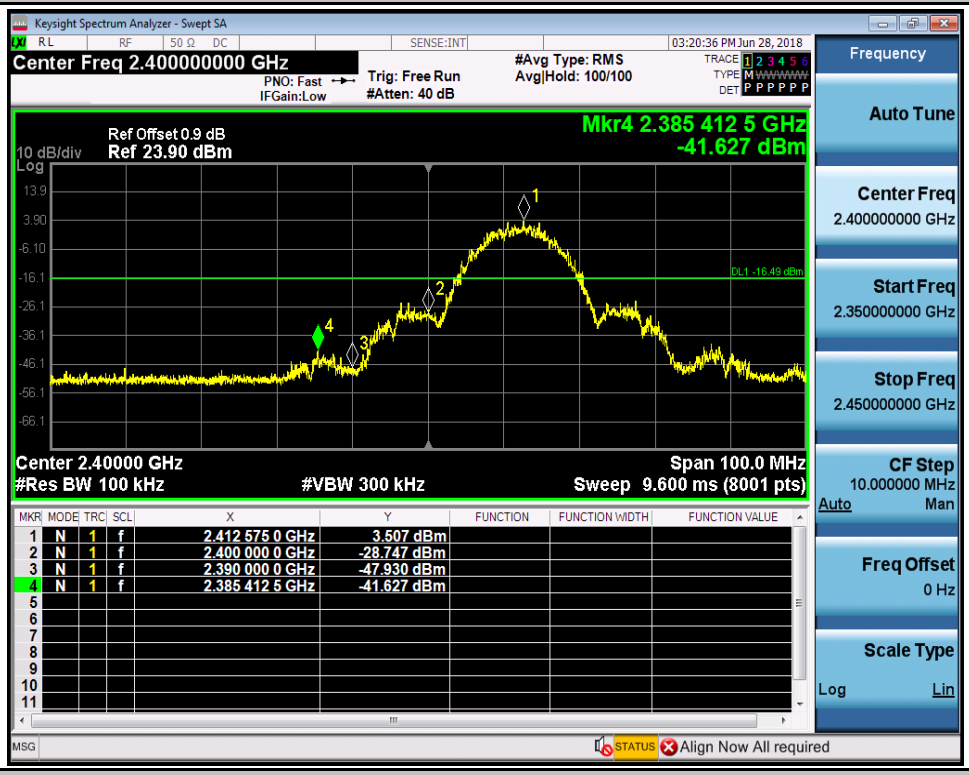


4.Band-edge for RF Conducted Emissions

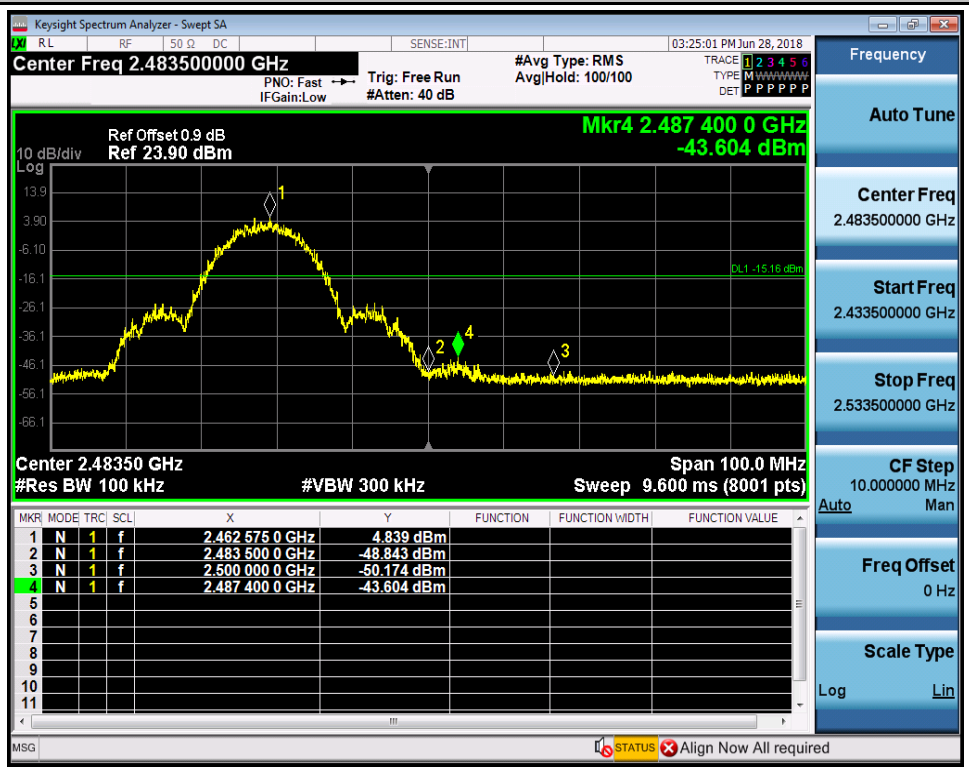
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	3.507	-41.627	-16.49	PASS
11B	2462	Ant1	4.839	-43.604	-15.16	PASS
11G	2412	Ant1	-1.495	-40.070	-21.5	PASS
11G	2462	Ant1	-0.050	-35.867	-20.05	PASS
11N20SISO	2412	Ant1	-1.352	-39.479	-21.35	PASS
11N20SISO	2462	Ant1	-0.111	-36.789	-20.11	PASS
11N40SISO	2422	Ant1	-4.833	-36.831	-24.83	PASS
11N40SISO	2452	Ant1	-4.059	-35.298	-24.06	PASS

TEST PLOT

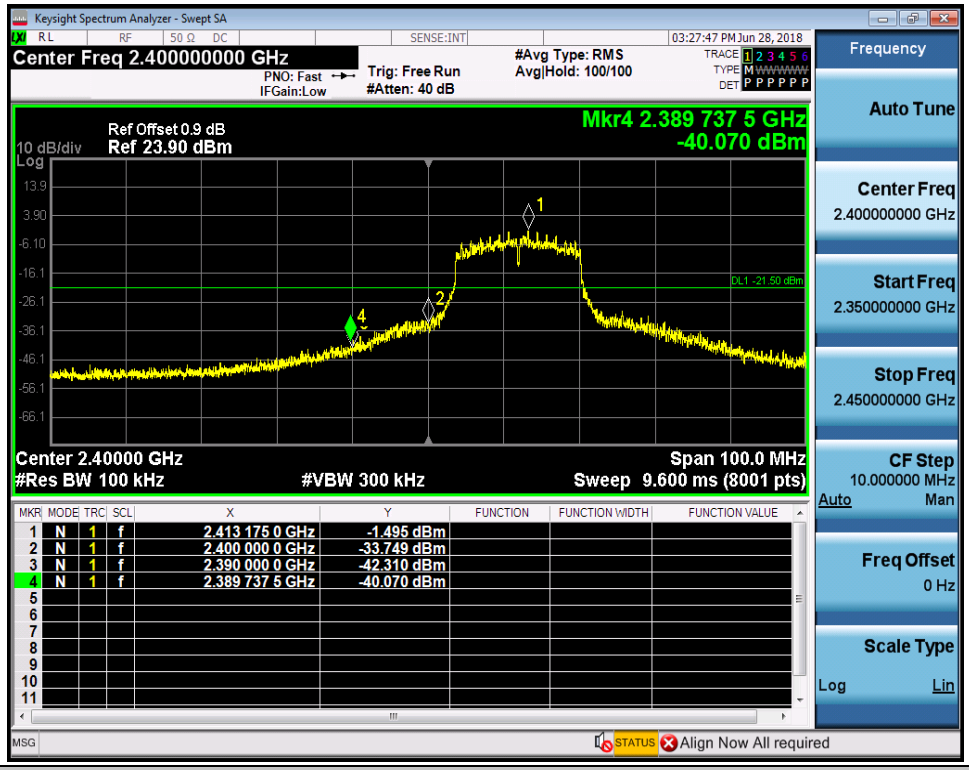
Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1

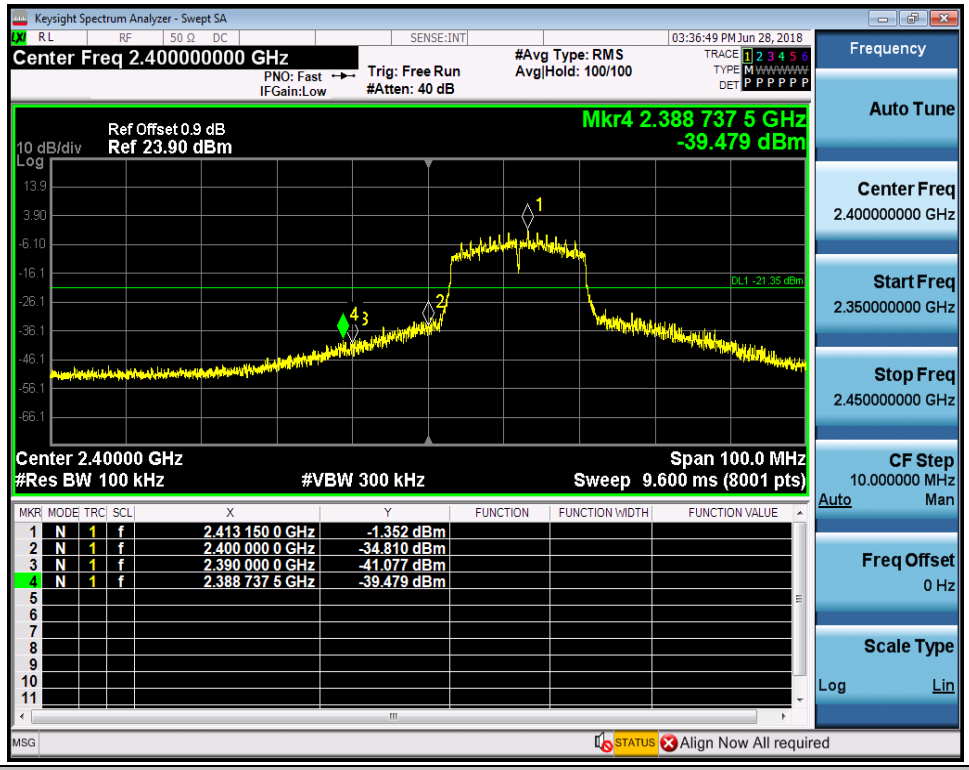


Band-edge for RF Conducted Emissions_11G_2412_Ant1

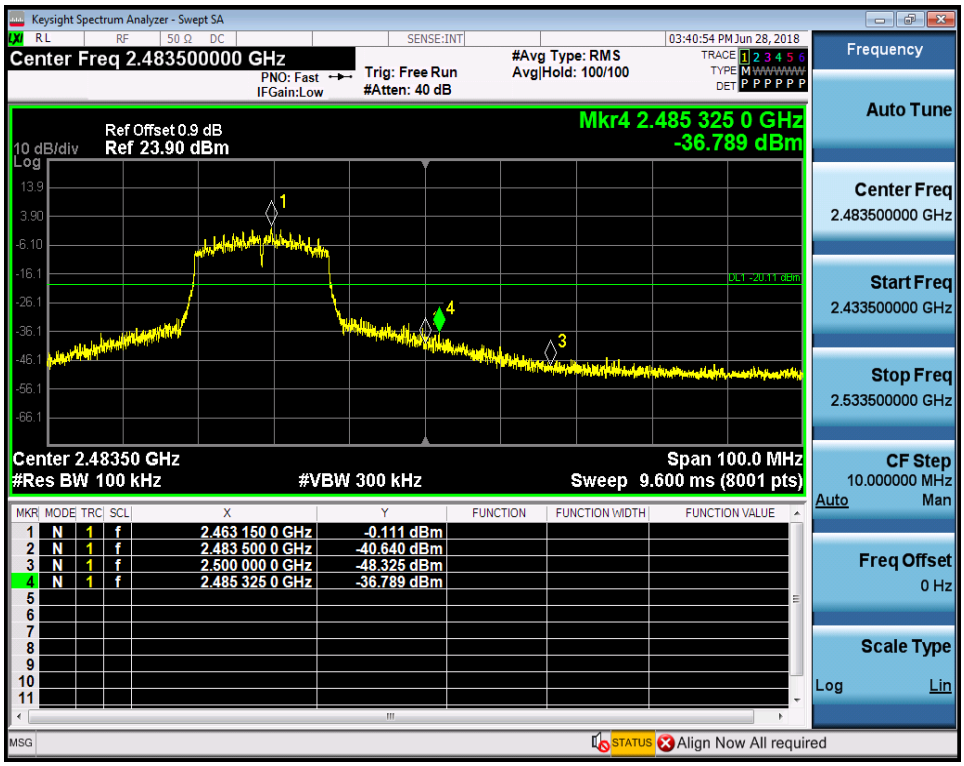


Band-edge for RF Conducted Emissions_11G_2462_Ant1

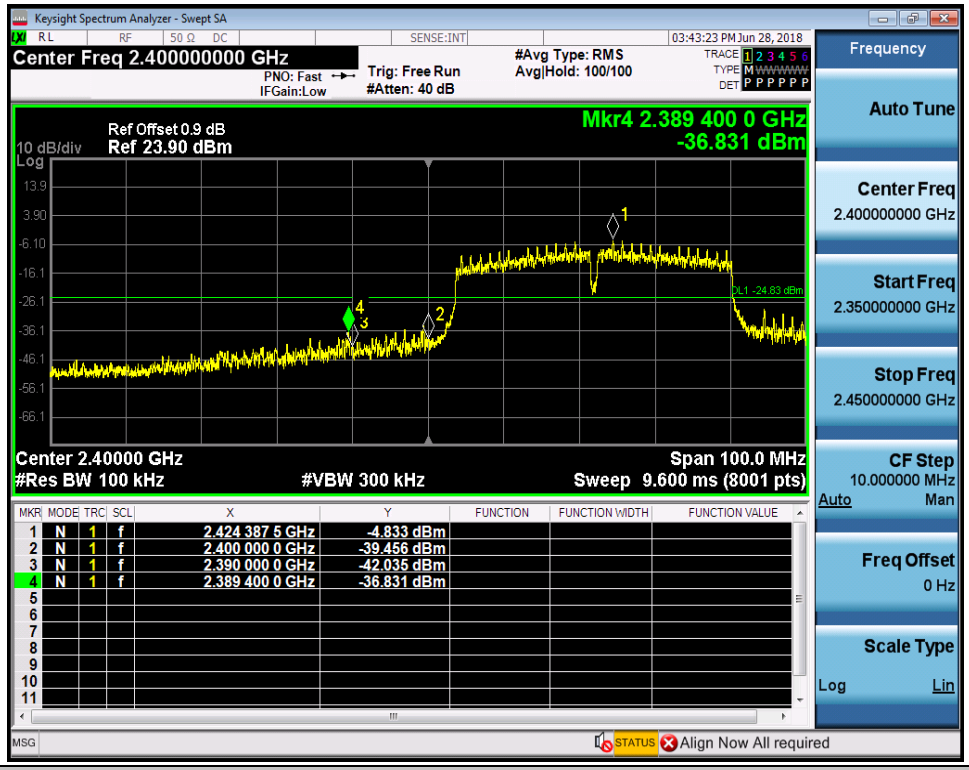
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



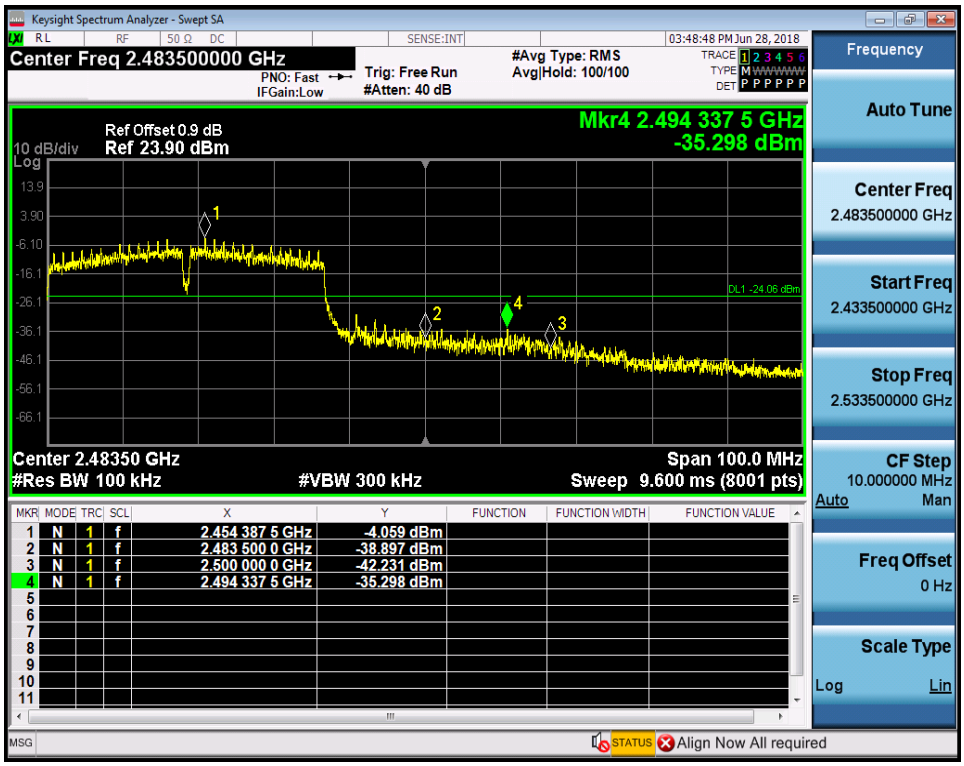
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1

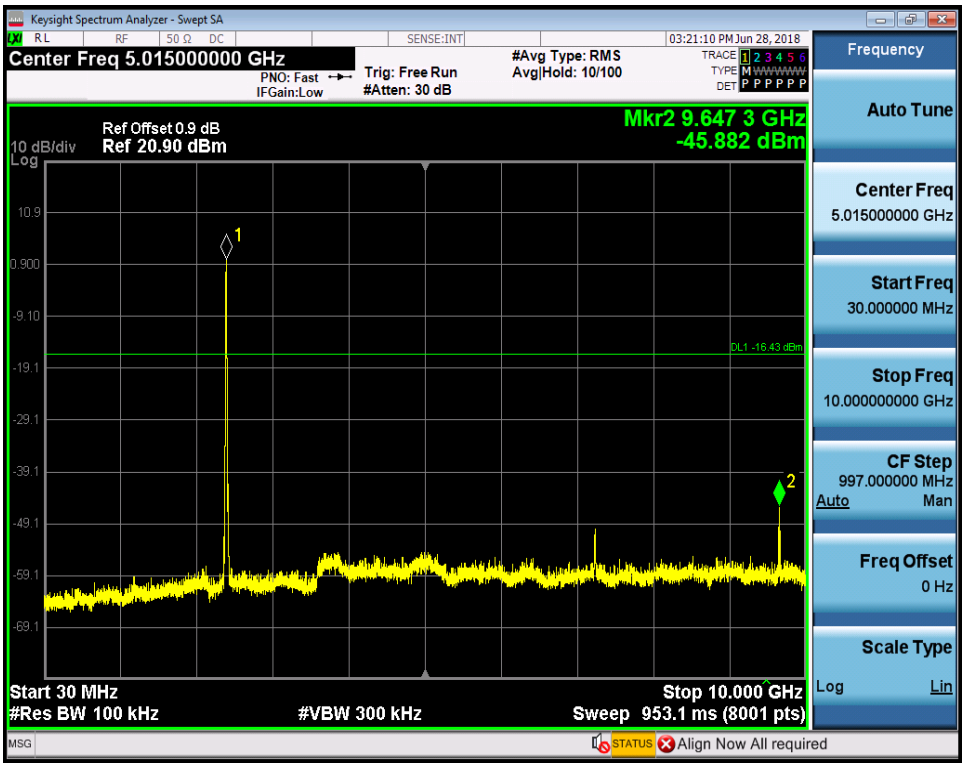


Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1

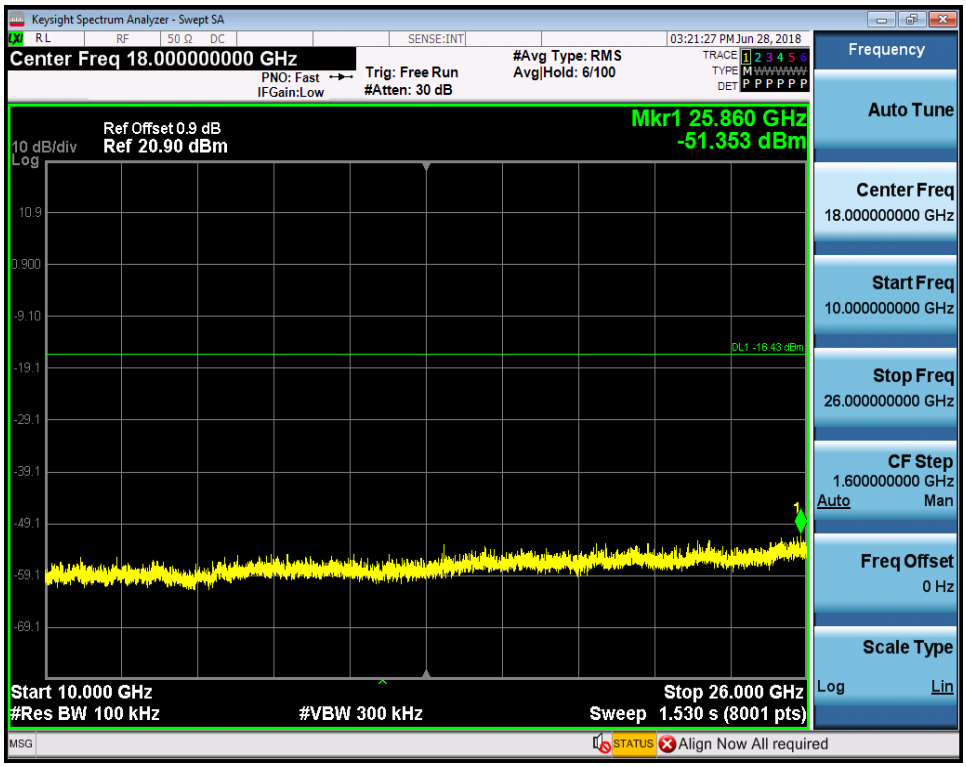


5.RF Conducted Spurious Emissions

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	3.569	-45.882	<-16.43	PASS
11B	2412	Ant1	10000	26000	100	300	3.569	-51.353	<-16.43	PASS
11B	2442	Ant1	30	10000	100	300	4.513	-51.919	<-15.49	PASS
11B	2442	Ant1	10000	26000	100	300	4.513	-50.736	<-15.49	PASS
11B	2462	Ant1	30	10000	100	300	4.932	-50.297	<-15.07	PASS
11B	2462	Ant1	10000	26000	100	300	4.932	-51.163	<-15.07	PASS
11G	2412	Ant1	30	10000	100	300	-1.436	-53.161	<-21.44	PASS
11G	2412	Ant1	10000	26000	100	300	-1.436	-51.101	<-21.44	PASS
11G	2442	Ant1	30	10000	100	300	-0.272	-53.848	<-20.27	PASS
11G	2442	Ant1	10000	26000	100	300	-0.272	-50.780	<-20.27	PASS
11G	2462	Ant1	30	10000	100	300	-0.01	-53.583	<-20.01	PASS
11G	2462	Ant1	10000	26000	100	300	-0.01	-50.508	<-20.01	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-1.425	-54.130	<-21.43	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-1.425	-51.568	<-21.43	PASS
11N20SISO	2442	Ant1	30	10000	100	300	-0.218	-54.471	<-20.22	PASS
11N20SISO	2442	Ant1	10000	26000	100	300	-0.218	-51.637	<-20.22	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-0.101	-54.356	<-20.10	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-0.101	-51.492	<-20.10	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-4.85	-54.549	<-24.85	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-4.85	-50.480	<-24.85	PASS
11N40SISO	2442	Ant1	30	10000	100	300	-4.107	-53.154	<-24.11	PASS
11N40SISO	2442	Ant1	10000	26000	100	300	-4.107	-51.683	<-24.11	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-4.054	-54.434	<-24.05	PASS
11N40SISO	2452	Ant1	10000	26000	100	300	-4.054	-51.429	<-24.05	PASS

TEST PLOT	
RF Conducted Spurious Emissions_11B_2412_Ant1	
Pref	
CSE_1	

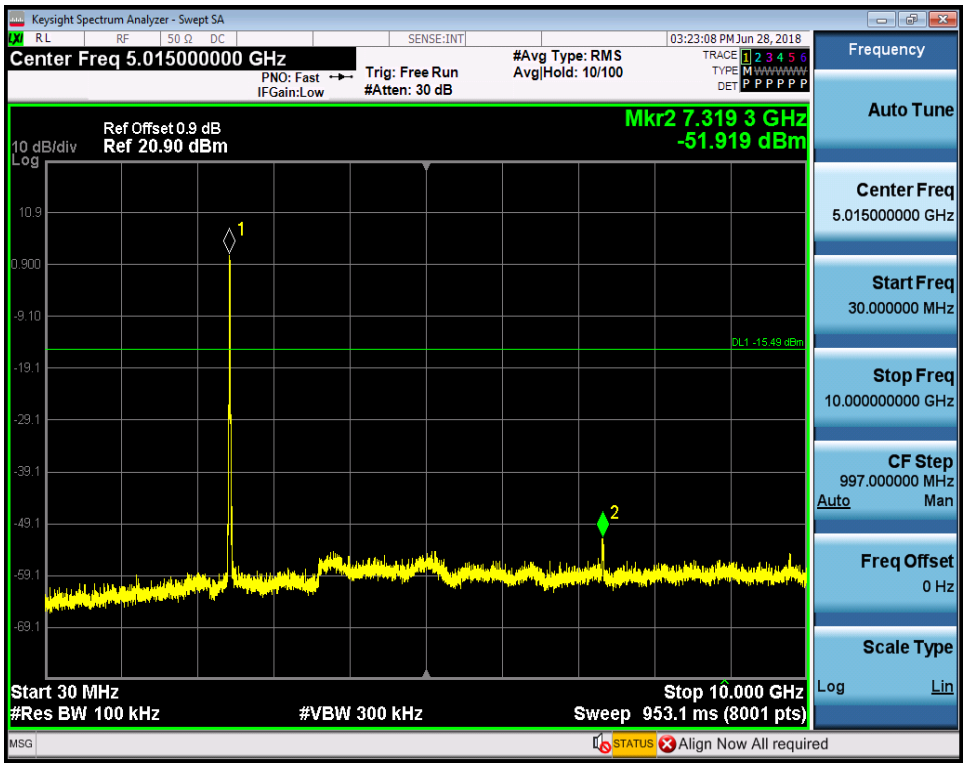
CSE_2



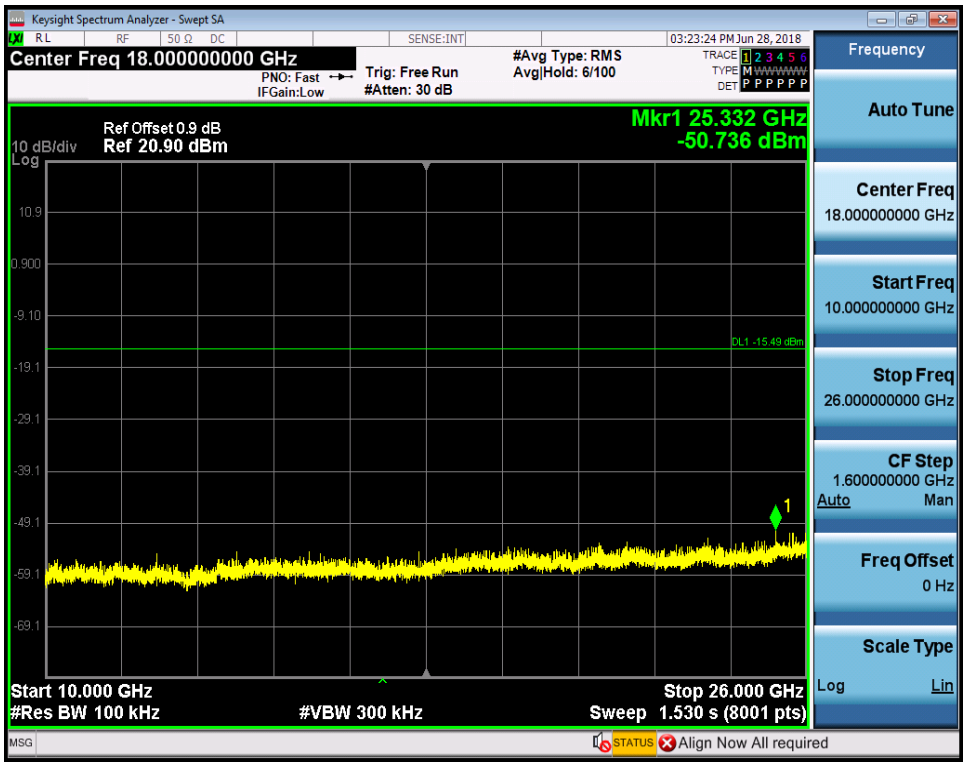
RF Conducted Spurious Emissions_11B_2442_Ant1

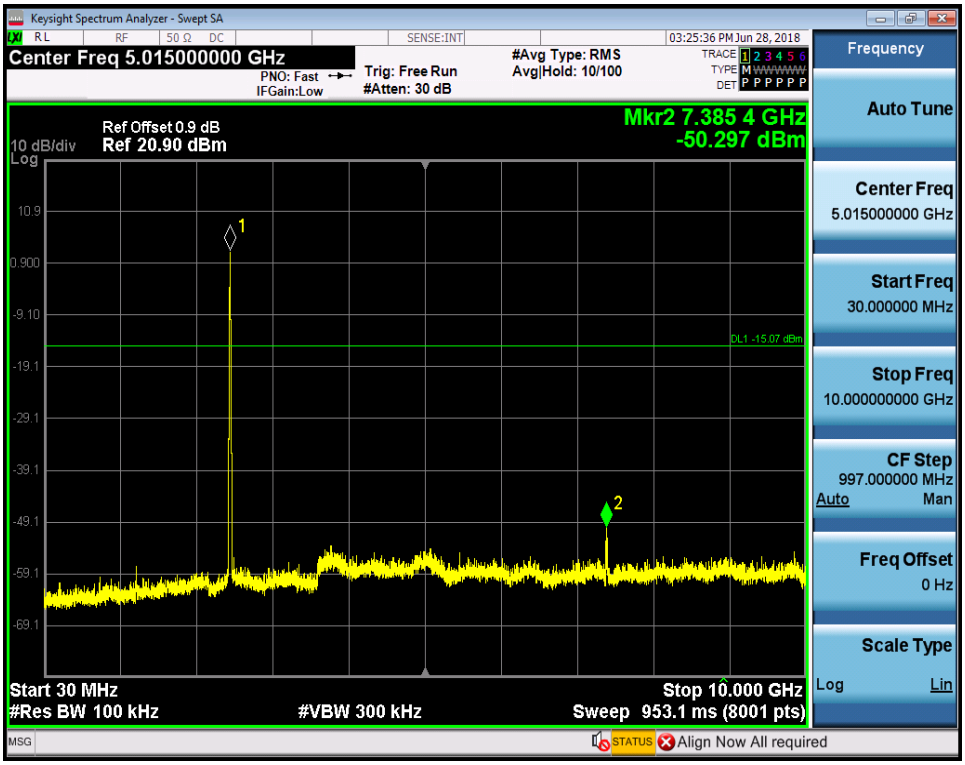
Pref

CSE_1

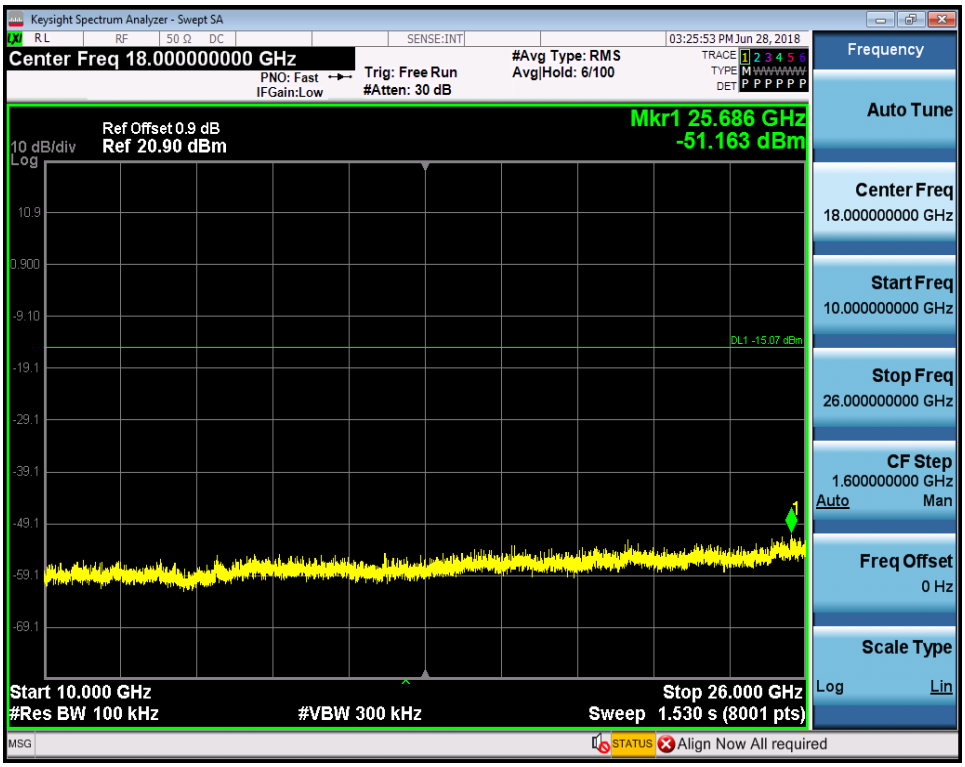


CSE_2



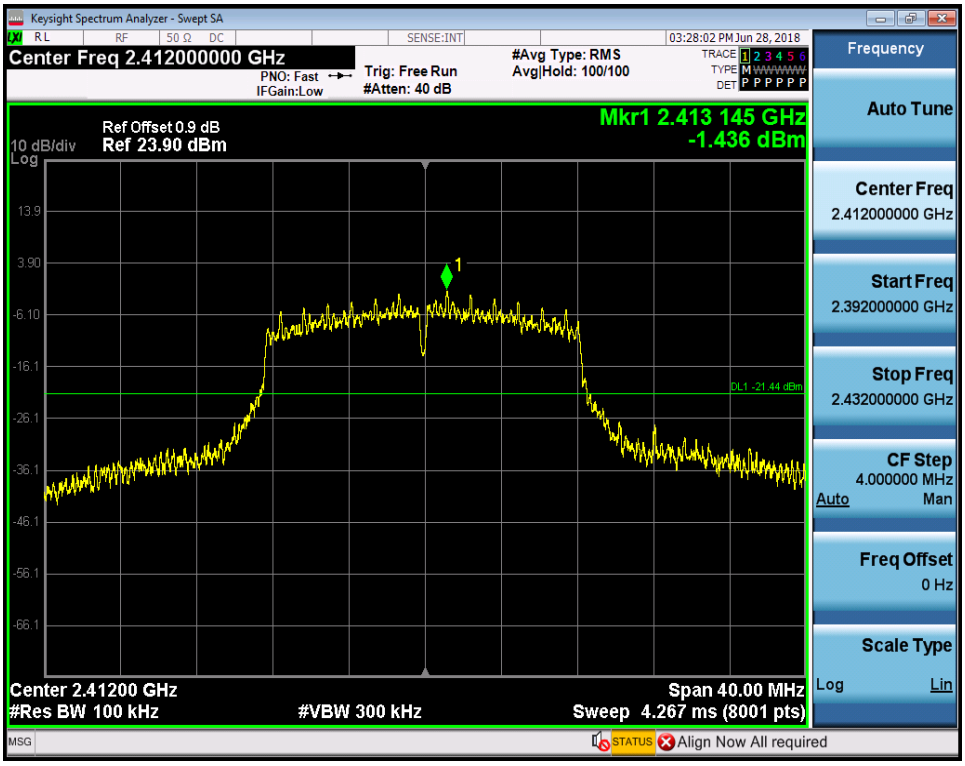
RF Conducted Spurious Emissions_11B_2462_Ant1	
Pref	
CSE_1	

CSE_2

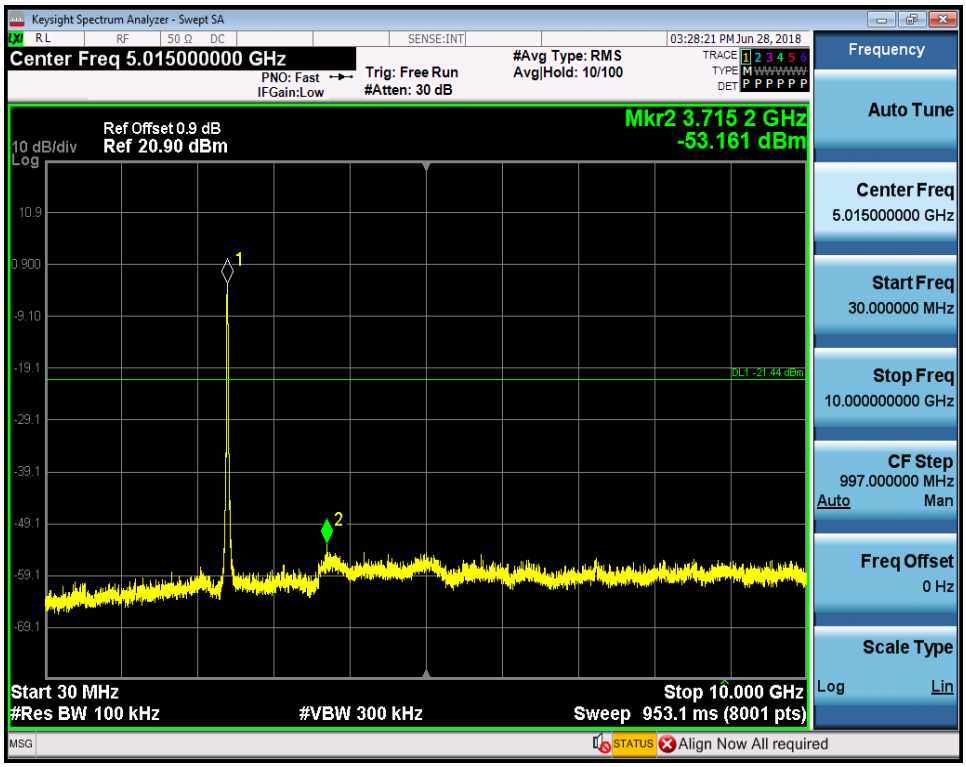


RF Conducted Spurious Emissions_11G_2412_Ant1

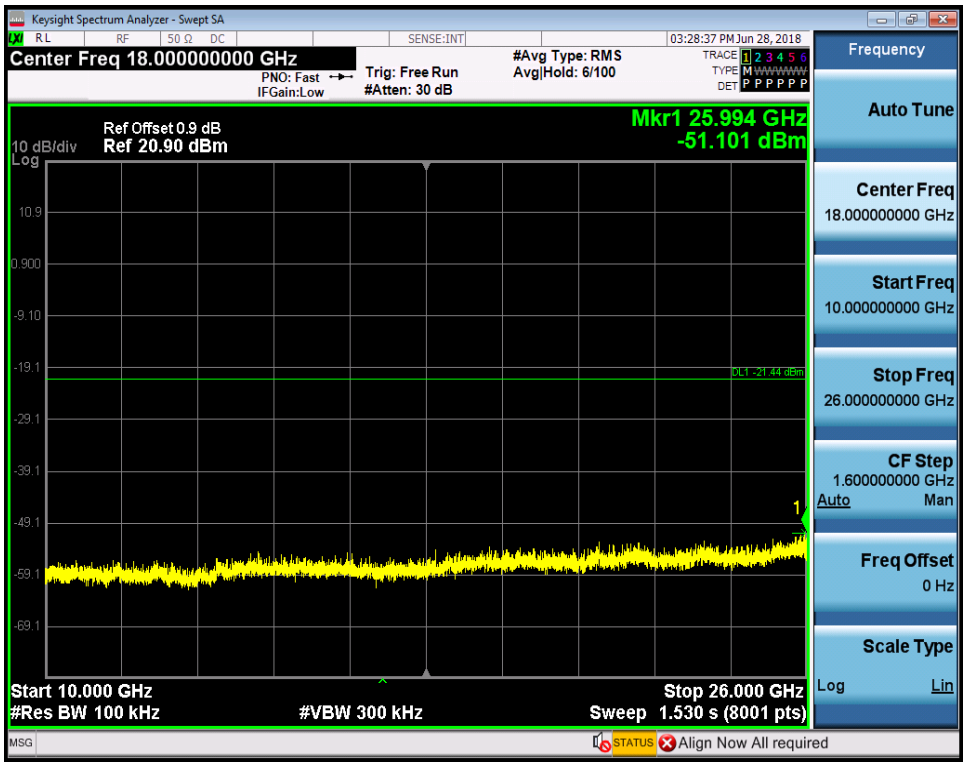
Pref

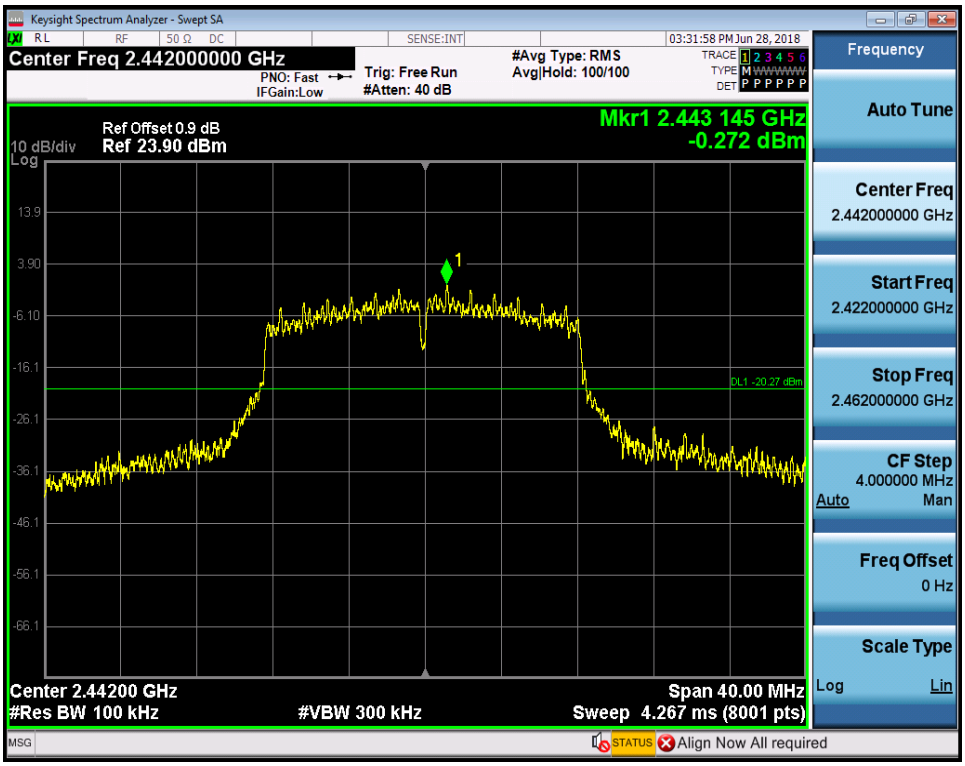
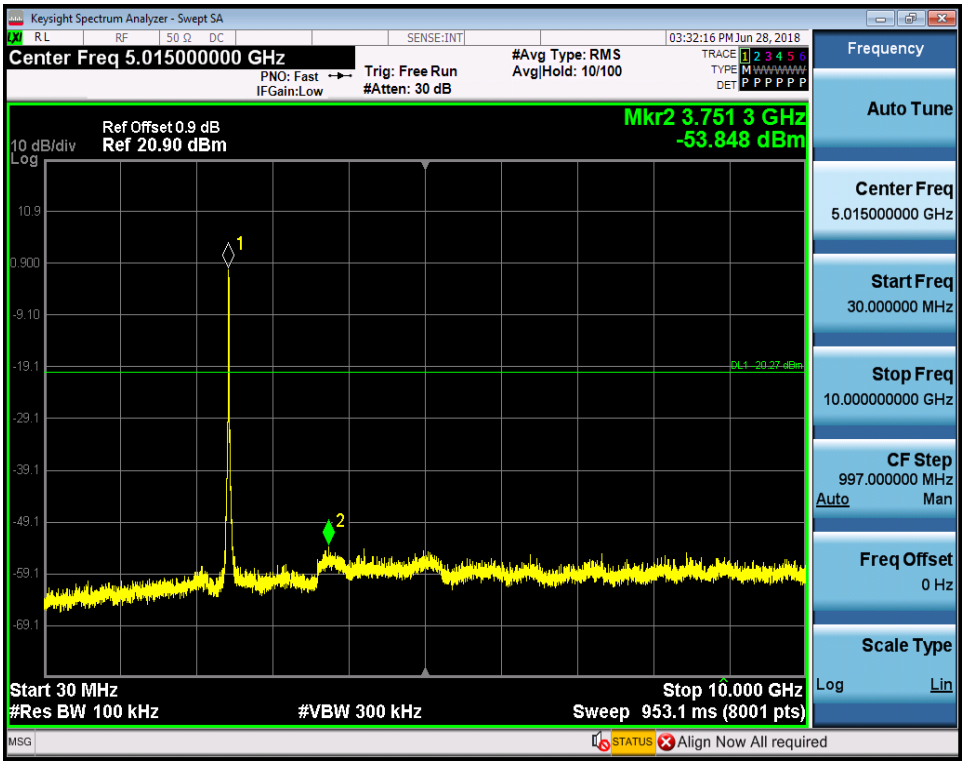


CSE_1

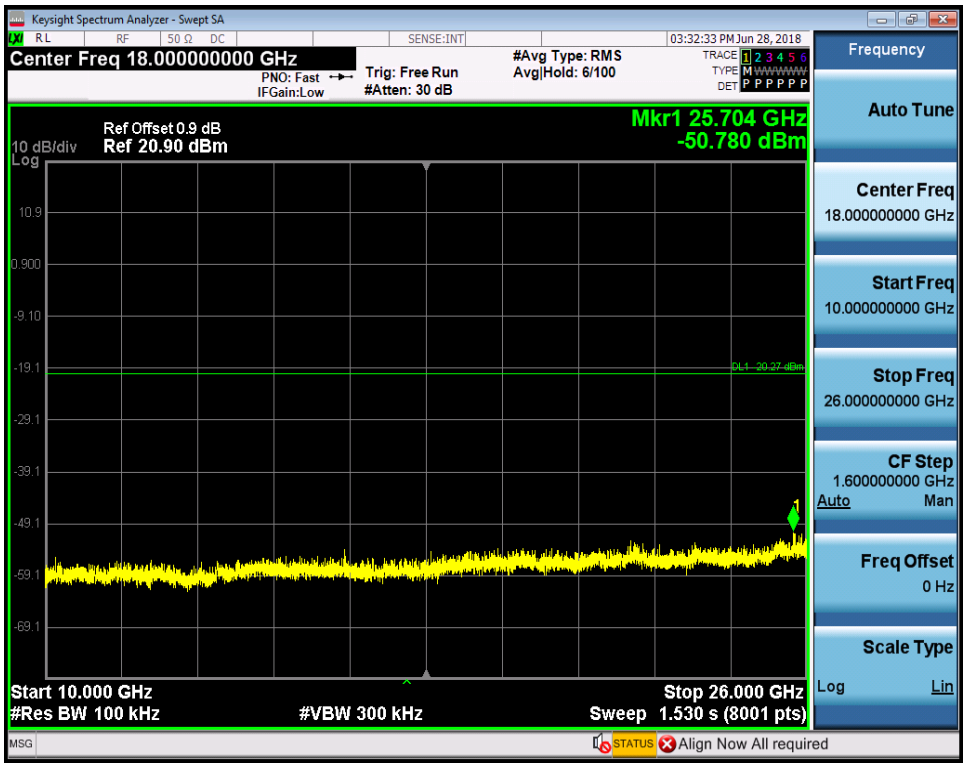


CSE_2



RF Conducted Spurious Emissions_11G_2442_Ant1	
Pref	
CSE_1	

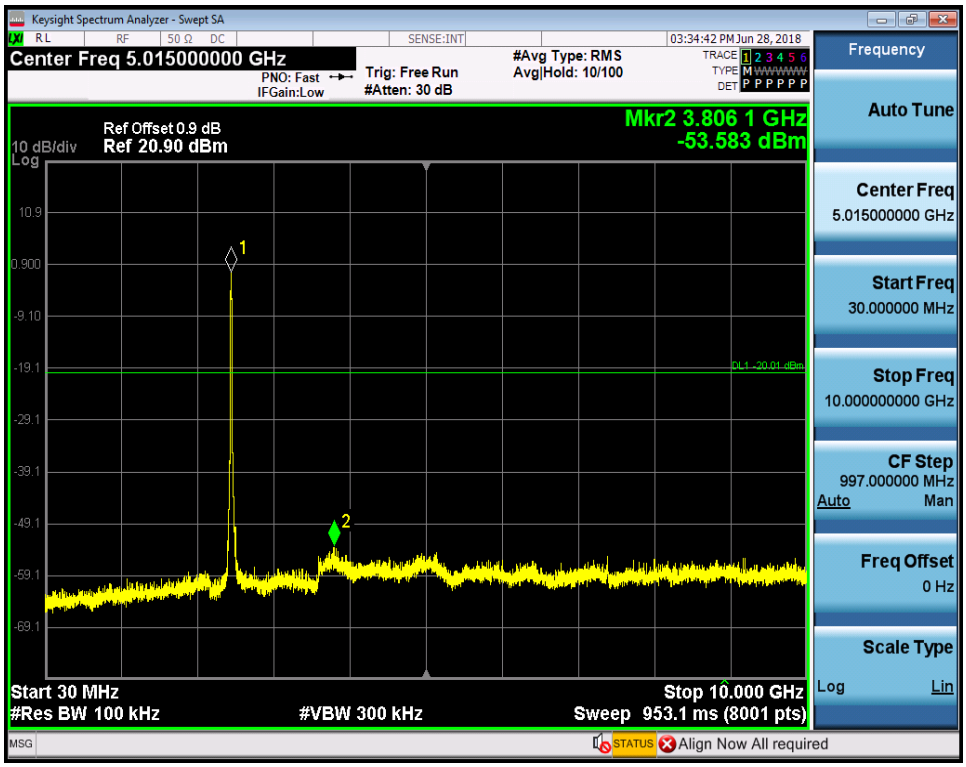
CSE_2



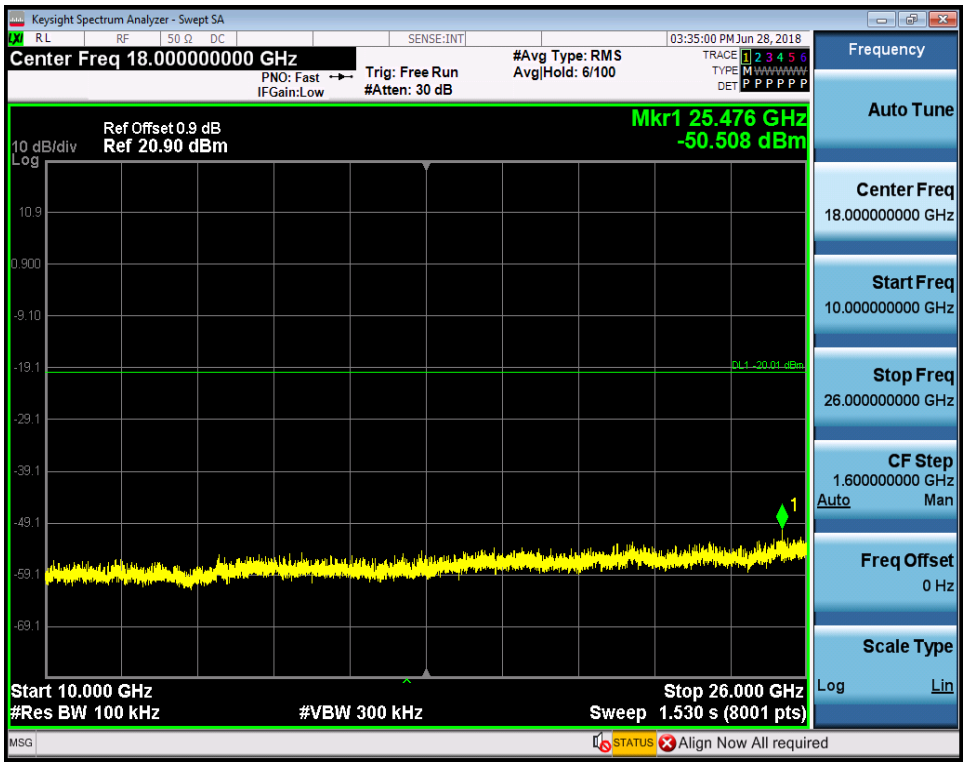
RF Conducted Spurious Emissions_11G_2462_Ant1

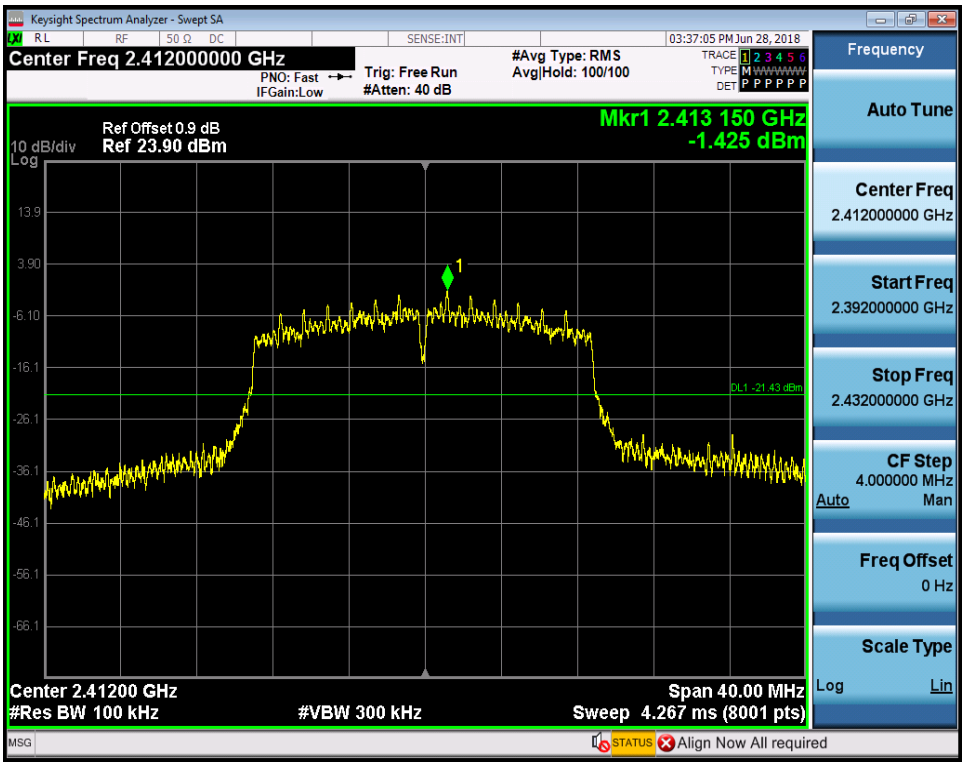
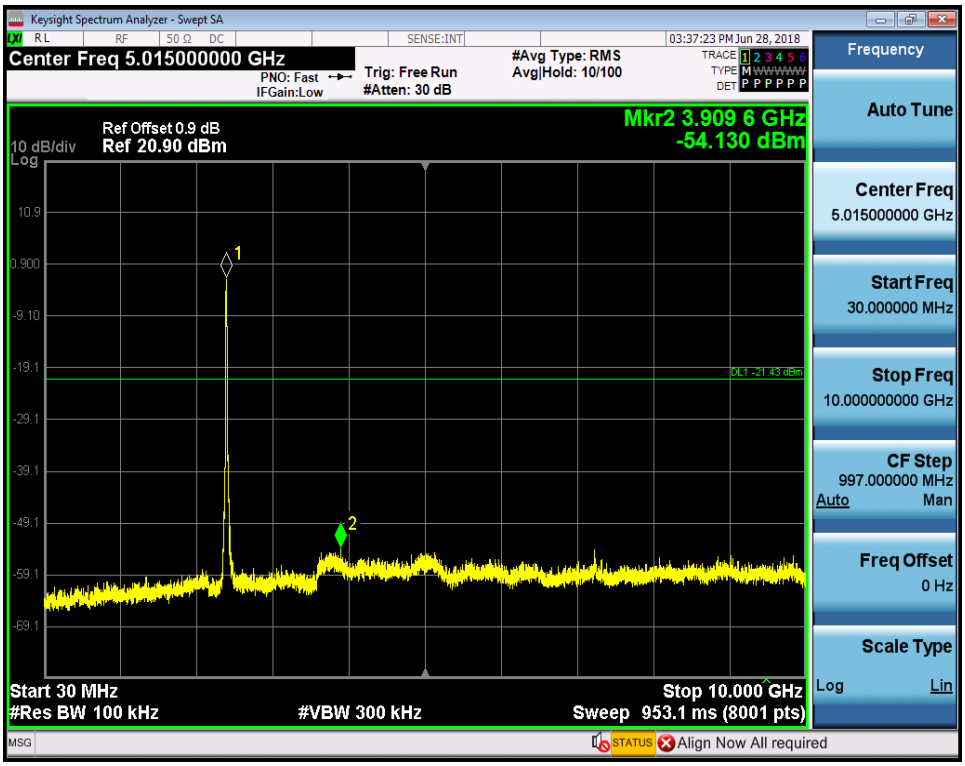
Pref

CSE_1



CSE_2

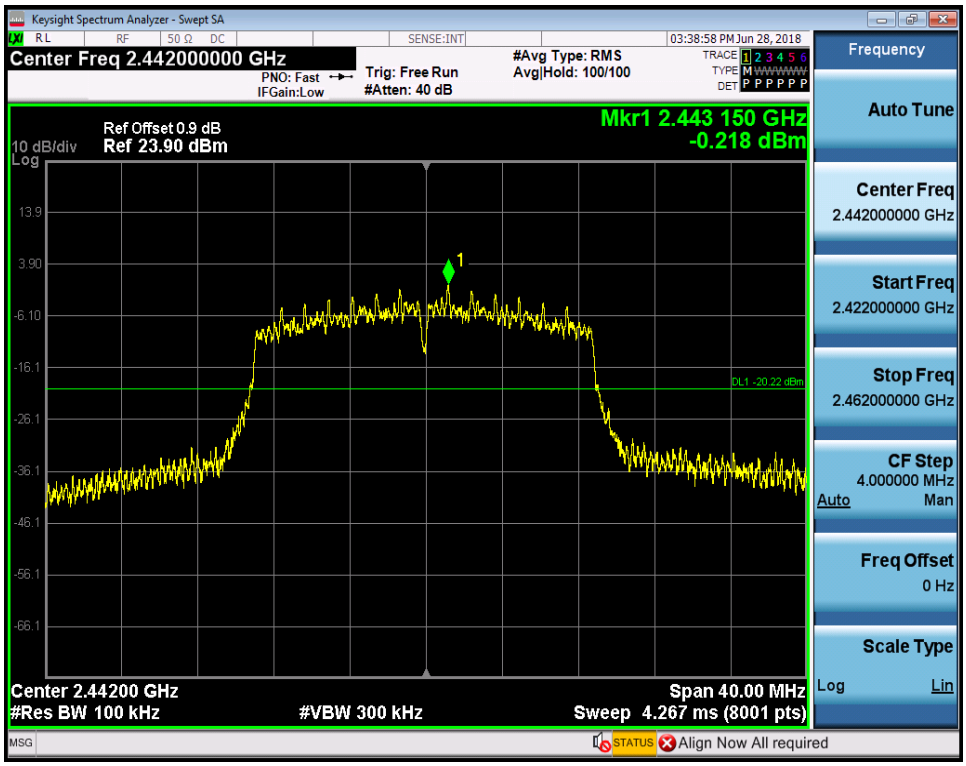


RF Conducted Spurious Emissions_11N20SISO_2412_Ant1	
Pref	
CSE_1	

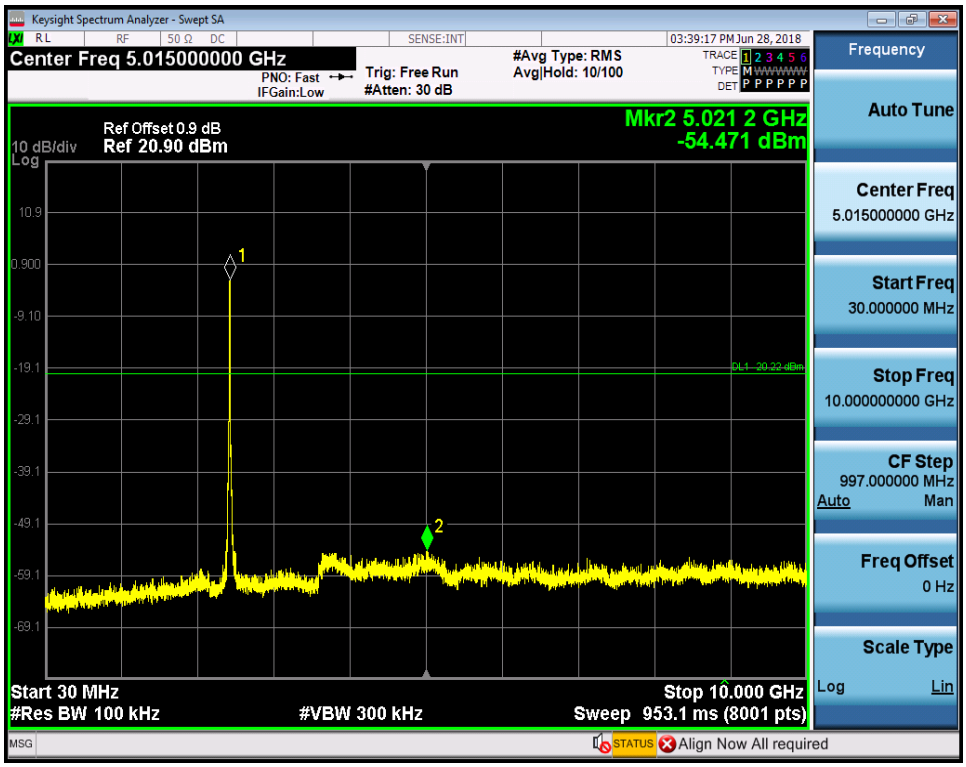
CSE_2

RF Conducted Spurious Emissions_11N20SISO_2442_Ant1

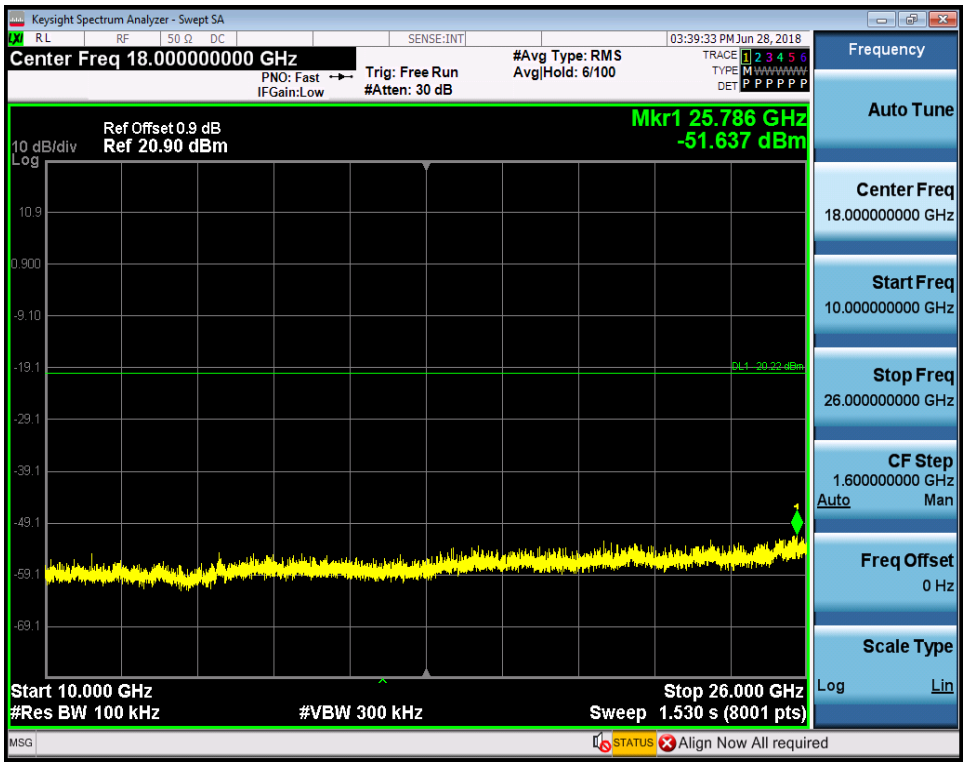
Pref

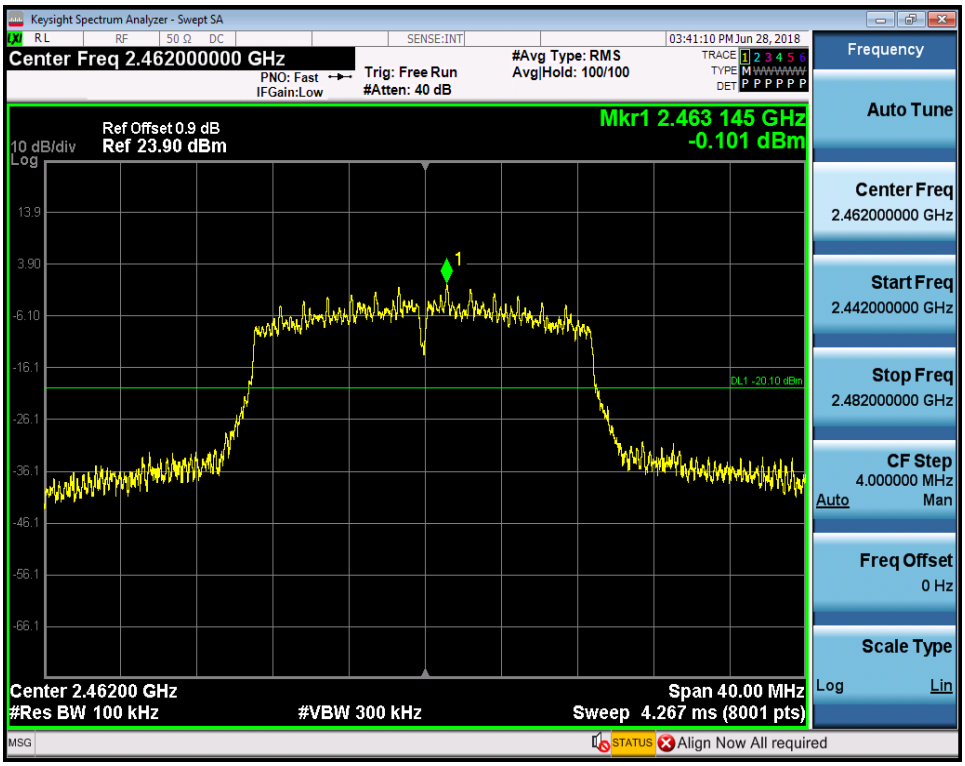
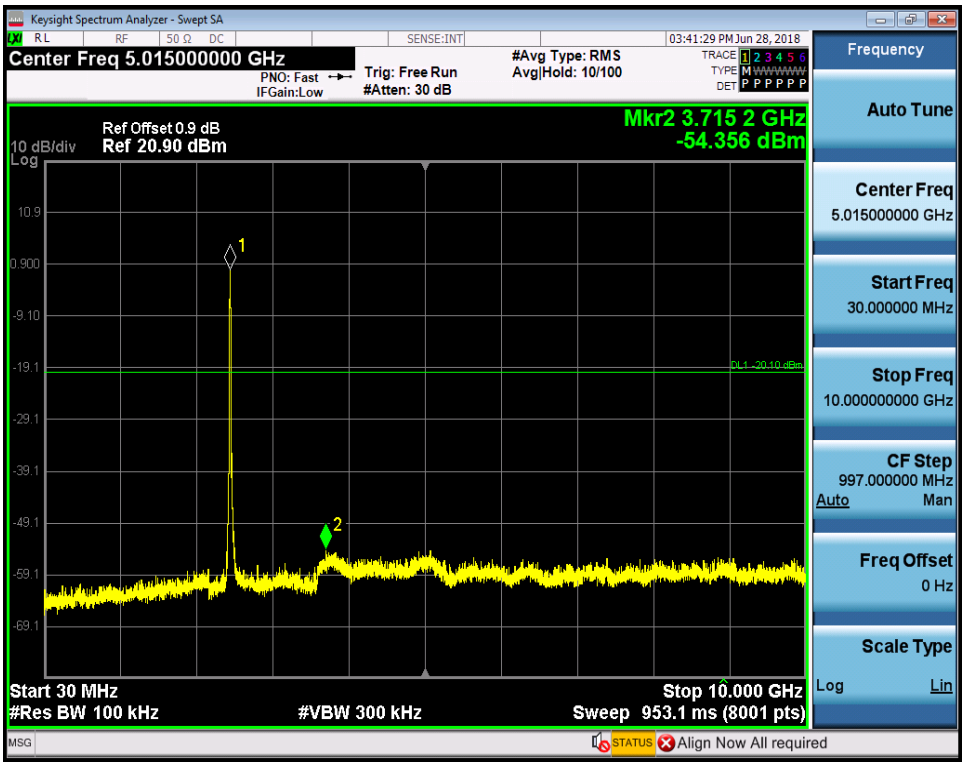


CSE_1

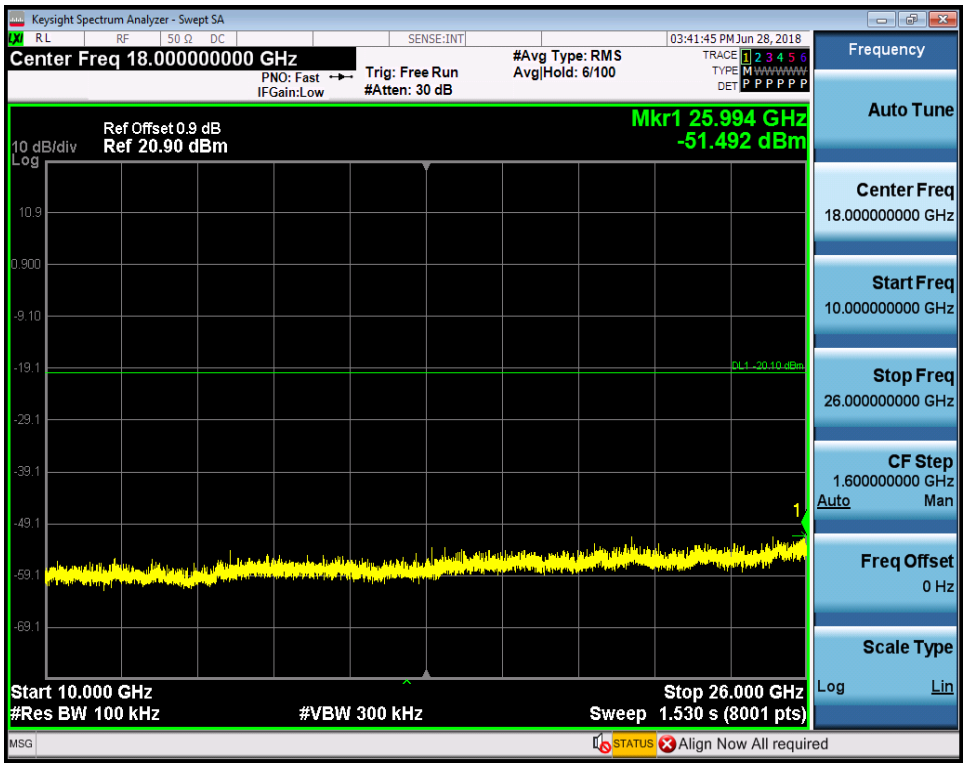


CSE_2



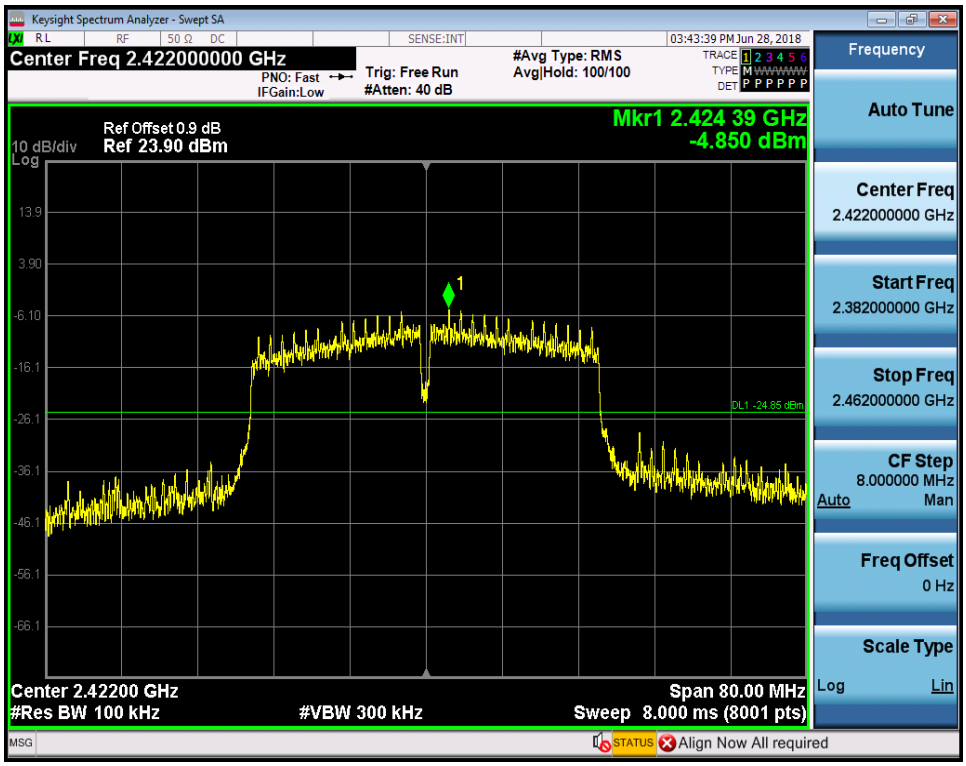
RF Conducted Spurious Emissions_11N20SISO_2462_Ant1	
Pref	
CSE_1	

CSE_2

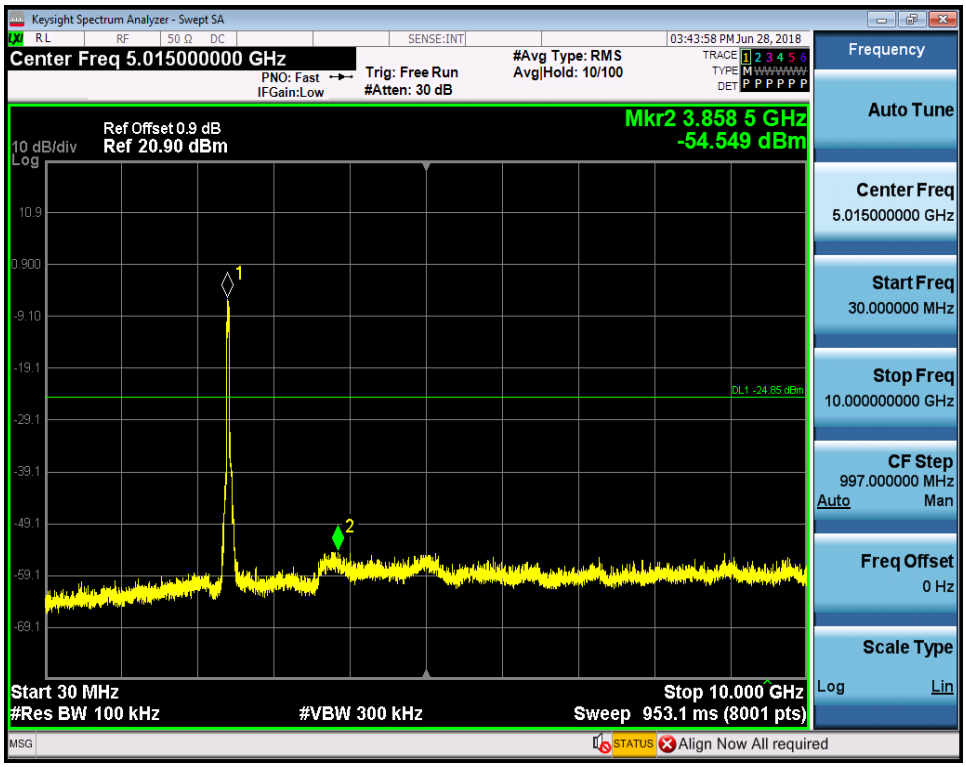


RF Conducted Spurious Emissions_11N40SISO_2422_Ant1

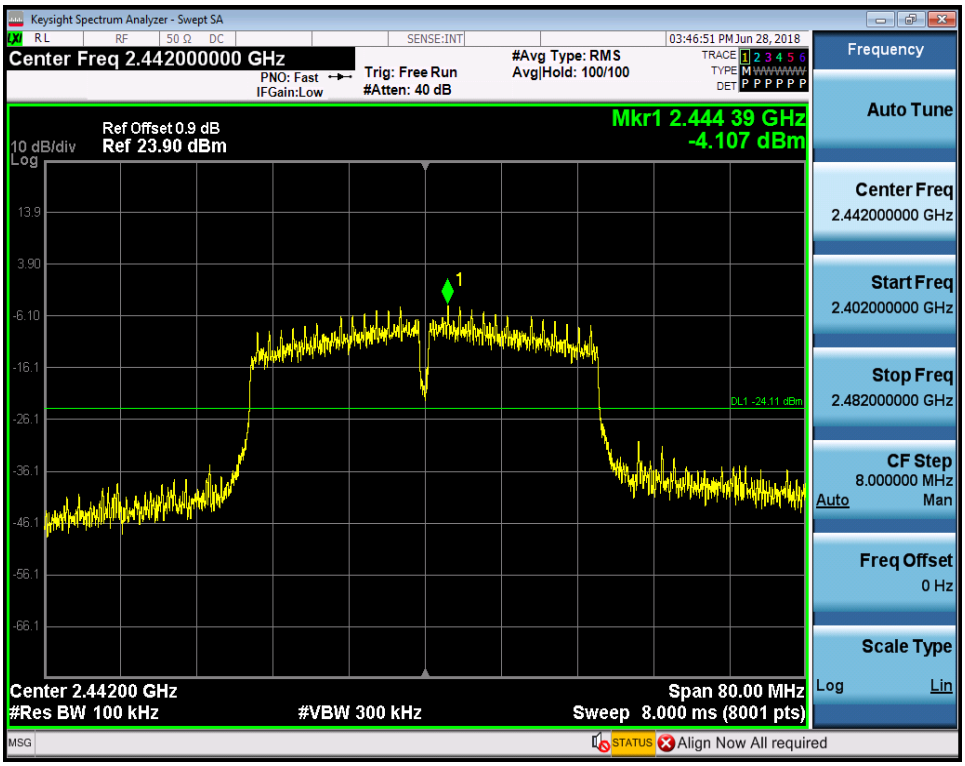
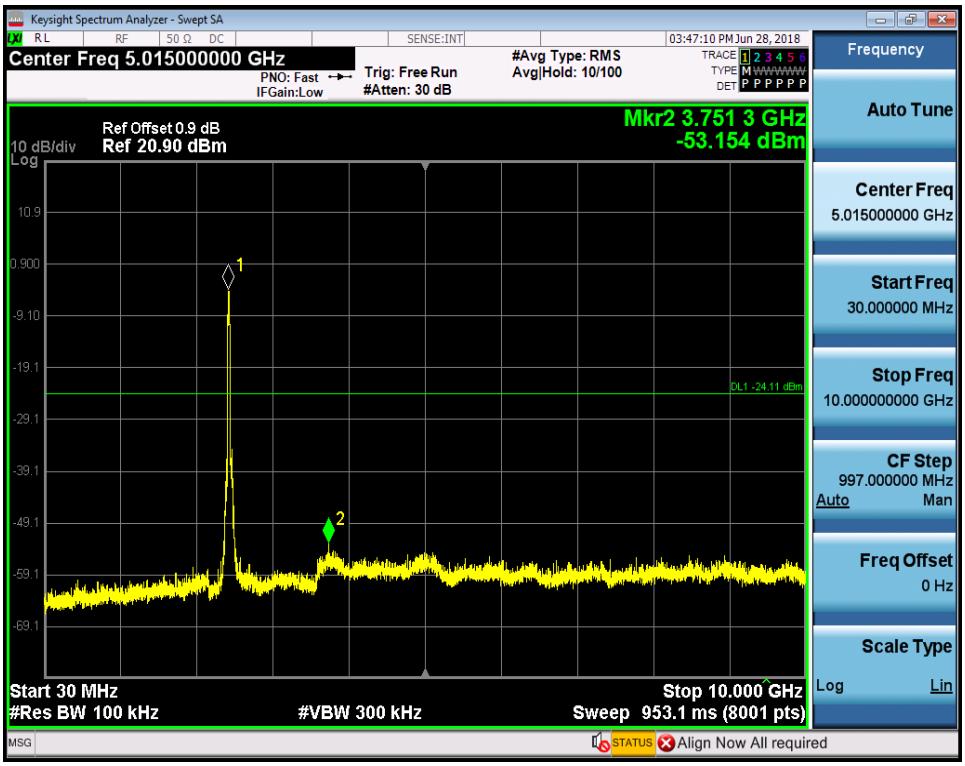
Pref



CSE_1



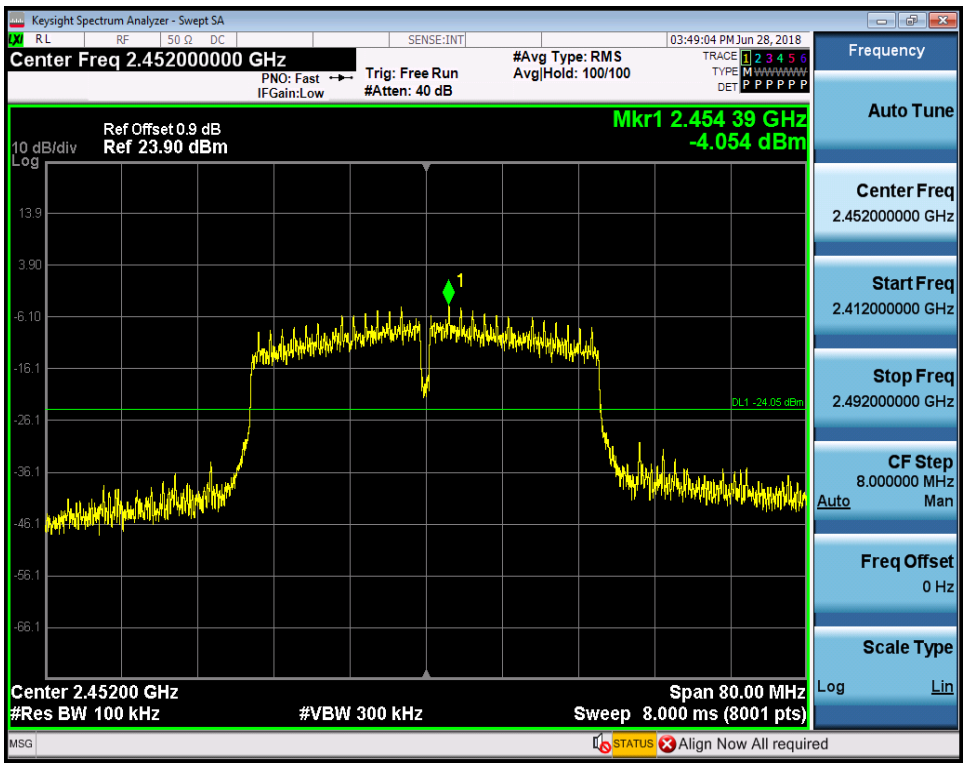
CSE_2

RF Conducted Spurious Emissions_11N40SISO_2442_Ant1	
Pref	
CSE_1	

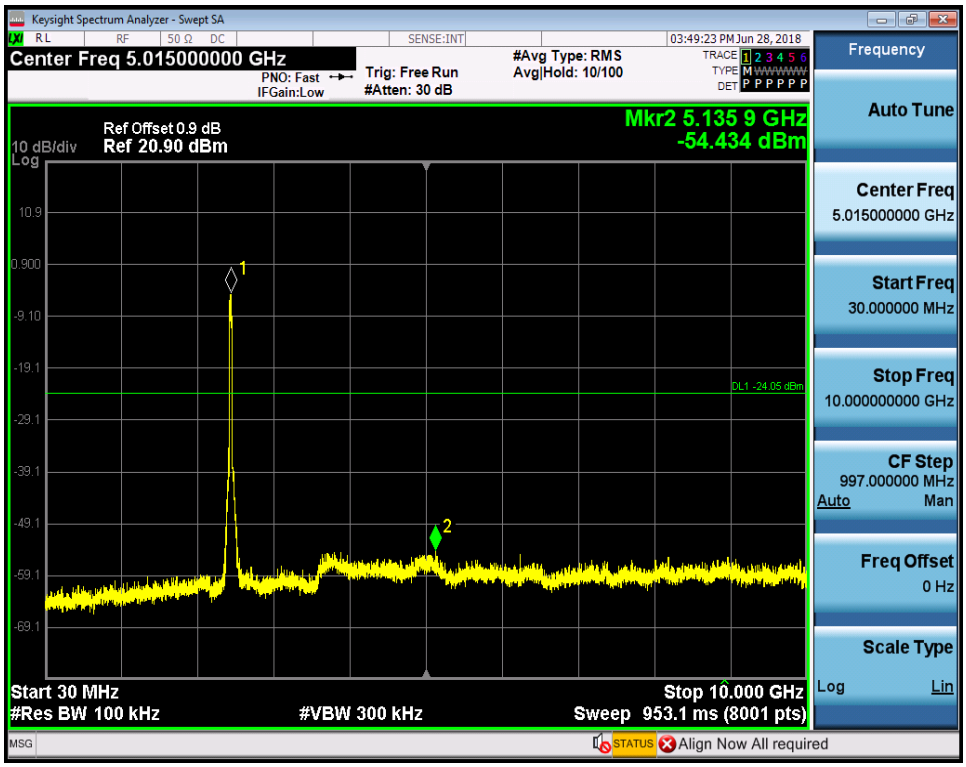
CSE_2

RF Conducted Spurious Emissions_11N40SISO_2452_Ant1

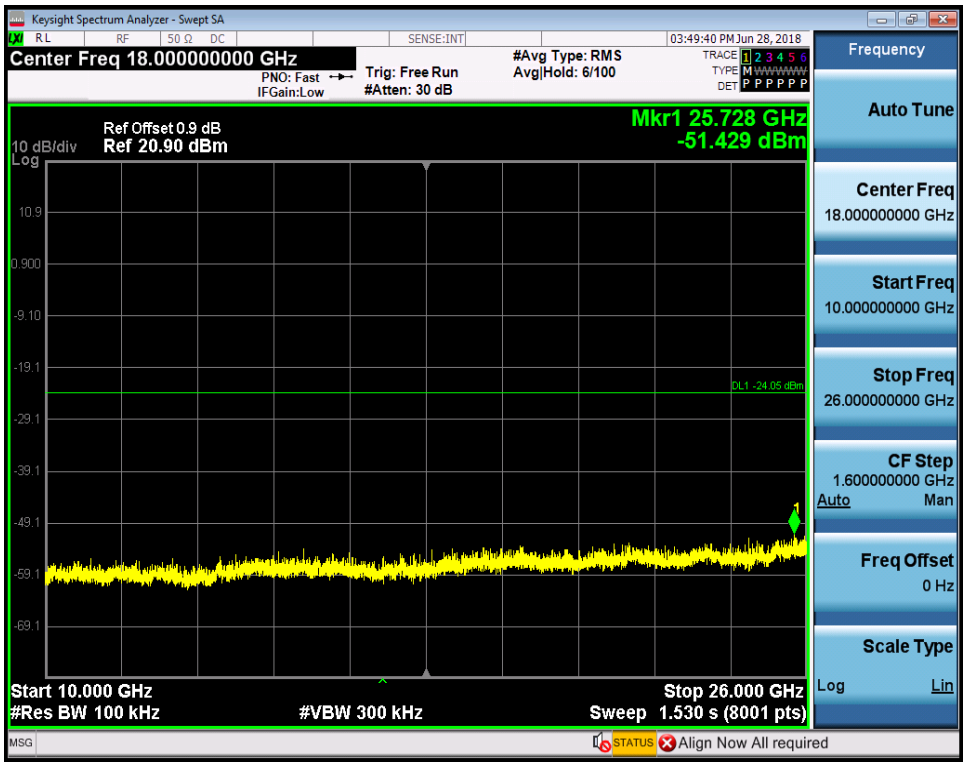
Pref



CSE_1



CSE_2



-- End of Report --