



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

Report No.: GZEM180500273401  
 Page: 41 of 84

Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3280.326	36.31	27.90	5.75	36.99	32.97	54.00	-21.03	HORIZONTAL	Average
2	3280.326	48.79	27.90	5.75	36.99	45.45	74.00	-28.55	HORIZONTAL	Peak
3	4924.721	43.07	31.01	7.49	36.95	44.62	54.00	-9.38	HORIZONTAL	Average
4	4924.721	53.81	31.01	7.49	36.95	55.36	74.00	-18.64	HORIZONTAL	Peak
5	6159.797	32.45	32.84	6.95	37.00	35.24	54.00	-18.76	HORIZONTAL	Average
6	6159.797	44.83	32.84	6.95	37.00	47.62	74.00	-26.38	HORIZONTAL	Peak
7	7386.516	30.11	35.85	7.42	36.92	36.46	54.00	-17.54	HORIZONTAL	Average
8	7386.516	42.91	35.85	7.42	36.92	49.26	74.00	-24.74	HORIZONTAL	Peak
9	9848.102	29.35	37.82	8.46	37.09	38.54	54.00	-15.46	HORIZONTAL	Average
10	9848.102	41.71	37.82	8.46	37.09	50.90	74.00	-23.10	HORIZONTAL	Peak
11	12310.800	28.68	39.03	11.10	36.97	41.84	54.00	-12.16	HORIZONTAL	Average
12	12310.800	40.35	39.03	11.10	36.97	53.51	74.00	-20.49	HORIZONTAL	Peak

Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3280.326	36.81	27.90	5.75	36.99	33.47	54.00	-20.53	VERTICAL	Average
2	3280.326	49.86	27.90	5.75	36.99	46.52	74.00	-27.48	VERTICAL	Peak
3	4924.721	44.38	31.01	7.49	36.95	45.93	54.00	-8.07	VERTICAL	Average
4	4924.721	56.16	31.01	7.49	36.95	57.71	74.00	-16.29	VERTICAL	Peak
5	5813.812	32.37	32.17	7.46	37.00	35.00	54.00	-19.00	VERTICAL	Average
6	5813.812	43.63	32.17	7.46	37.00	46.26	74.00	-27.74	VERTICAL	Peak
7	7386.373	30.29	35.85	7.42	36.92	36.64	54.00	-17.36	VERTICAL	Average
8	7386.373	41.57	35.85	7.42	36.92	47.92	74.00	-26.08	VERTICAL	Peak
9	9848.274	29.75	37.82	8.46	37.09	38.94	54.00	-15.06	VERTICAL	Average
10	9848.274	43.66	37.82	8.46	37.09	52.85	74.00	-21.15	VERTICAL	Peak
11	12310.160	27.53	39.03	11.10	36.97	40.69	54.00	-13.31	VERTICAL	Average
12	12310.160	39.26	39.03	11.10	36.97	52.42	74.00	-21.58	VERTICAL	Peak



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

Report No.: GZEM180500273401  
 Page: 42 of 84

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	31.955	20.16	12.25	0.11	21.90	10.62	40.00	-29.38	HORIZONTAL	QP
2	51.301	21.66	12.93	0.60	24.90	10.29	40.00	-29.71	HORIZONTAL	QP
3	114.515	24.68	11.17	0.91	28.00	8.76	43.50	-34.74	HORIZONTAL	QP
4	175.652	24.60	12.81	1.33	28.08	10.66	43.50	-32.84	HORIZONTAL	QP
5	502.940	27.95	18.25	2.19	29.65	18.74	46.00	-27.26	HORIZONTAL	QP
6	785.093	28.23	22.58	2.80	28.80	24.81	46.00	-21.19	HORIZONTAL	QP

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3856.668	33.92	29.19	7.73	36.91	33.93	54.00	-20.07	HORIZONTAL	Average
2	3856.668	45.12	29.19	7.73	36.91	45.13	74.00	-28.87	HORIZONTAL	Peak
3	4824.072	32.53	30.82	6.01	36.94	32.42	54.00	-21.58	HORIZONTAL	Average
4	4824.072	45.98	30.82	6.01	36.94	45.87	74.00	-28.13	HORIZONTAL	Peak
5	6756.708	31.29	34.75	7.19	36.97	36.26	54.00	-17.74	HORIZONTAL	Average
6	6756.708	43.24	34.75	7.19	36.97	48.21	74.00	-25.79	HORIZONTAL	Peak
7	7236.475	31.57	35.55	7.35	36.93	37.54	54.00	-16.46	HORIZONTAL	Average
8	7236.475	43.38	35.55	7.35	36.93	49.35	74.00	-24.65	HORIZONTAL	Peak
9	9648.525	33.07	37.54	8.18	37.08	41.71	54.00	-12.29	HORIZONTAL	Average
10	9648.525	44.82	37.54	8.18	37.08	53.46	74.00	-20.54	HORIZONTAL	Peak
11	12060.850	29.19	39.46	10.71	37.17	42.19	54.00	-11.81	HORIZONTAL	Average
12	12060.850	40.39	39.46	10.71	37.17	53.39	74.00	-20.61	HORIZONTAL	Peak



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

Report No.: GZEM180500273401  
 Page: 43 of 84

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	37.812	21.64	12.55	0.46	23.31	11.34	40.00	-28.66	VERTICAL	QP
2	51.301	22.98	12.93	0.60	24.90	11.61	40.00	-28.39	VERTICAL	QP
3	107.510	28.18	10.25	0.87	27.49	11.81	43.50	-31.69	VERTICAL	QP
4	166.651	25.70	13.19	1.30	28.09	12.10	43.50	-31.40	VERTICAL	QP
5	490.745	27.03	18.12	2.12	29.49	17.78	46.00	-28.22	VERTICAL	QP
6	872.183	32.65	23.73	2.93	28.29	31.02	46.00	-14.98	VERTICAL	QP

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3214.623	35.85	27.90	5.91	37.01	32.65	54.00	-21.35	VERTICAL	Average
2	3214.623	47.34	27.90	5.91	37.01	44.14	74.00	-29.86	VERTICAL	Peak
3	4824.771	33.83	30.82	6.01	36.94	33.72	54.00	-20.28	VERTICAL	Average
4	4824.771	46.40	30.82	6.01	36.94	46.29	74.00	-27.71	VERTICAL	Peak
5	6285.695	32.78	33.51	6.95	36.99	36.25	54.00	-17.75	VERTICAL	Average
6	6285.695	44.70	33.51	6.95	36.99	48.17	74.00	-25.83	VERTICAL	Peak
7	7236.262	34.22	35.55	7.35	36.93	40.19	54.00	-13.81	VERTICAL	Average
8	7236.262	46.47	35.55	7.35	36.93	52.44	74.00	-21.56	VERTICAL	Peak
9	9648.543	33.07	37.54	8.18	37.08	41.71	54.00	-12.29	VERTICAL	Average
10	9648.543	44.40	37.54	8.18	37.08	53.04	74.00	-20.96	VERTICAL	Peak
11	12060.380	26.77	39.46	10.71	37.17	39.77	54.00	-14.23	VERTICAL	Average
12	12060.380	39.29	39.46	10.71	37.17	52.29	74.00	-21.71	VERTICAL	Peak





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

Report No.: GZEM180500273401  
 Page: 44 of 84

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3834.438	27.05	29.12	7.80	36.91	27.06	54.00	-26.94	HORIZONTAL	Average
2	3834.438	42.07	29.12	7.80	36.91	42.08	74.00	-31.92	HORIZONTAL	Peak
3	4884.977	30.47	30.95	6.86	36.95	31.33	54.00	-22.67	HORIZONTAL	Average
4	4884.977	44.82	30.95	6.86	36.95	45.68	74.00	-28.32	HORIZONTAL	Peak
5	6526.373	31.15	34.32	7.09	36.98	35.58	54.00	-18.42	HORIZONTAL	Average
6	6526.373	43.08	34.32	7.09	36.98	47.51	74.00	-26.49	HORIZONTAL	Peak
7	7326.838	27.70	35.74	7.39	36.92	33.91	54.00	-20.09	HORIZONTAL	Average
8	7326.838	41.38	35.74	7.39	36.92	47.59	74.00	-26.41	HORIZONTAL	Peak
9	9768.312	26.17	37.74	8.37	37.09	35.19	54.00	-18.81	HORIZONTAL	Average
10	9768.312	40.94	37.74	8.37	37.09	49.96	74.00	-24.04	HORIZONTAL	Peak
11	12210.450	25.85	39.21	10.98	37.06	38.98	54.00	-15.02	HORIZONTAL	Average
12	12210.450	41.79	39.21	10.98	37.06	54.92	74.00	-19.08	HORIZONTAL	Peak

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3261.418	36.29	27.90	5.80	36.99	33.00	54.00	-21.00	VERTICAL	Average
2	3261.418	50.80	27.90	5.80	36.99	47.51	74.00	-26.49	VERTICAL	Peak
3	4884.151	30.30	30.95	6.86	36.95	31.16	54.00	-22.84	VERTICAL	Average
4	4884.151	46.56	30.95	6.86	36.95	47.42	74.00	-26.58	VERTICAL	Peak
5	6526.373	27.03	34.32	7.09	36.98	31.46	54.00	-22.54	VERTICAL	Average
6	6526.373	42.39	34.32	7.09	36.98	46.82	74.00	-27.18	VERTICAL	Peak
7	7326.804	31.18	35.74	7.39	36.92	37.39	54.00	-16.61	VERTICAL	Average
8	7326.804	44.32	35.74	7.39	36.92	50.53	74.00	-23.47	VERTICAL	Peak
9	9768.430	30.90	37.74	8.37	37.09	39.92	54.00	-14.08	VERTICAL	Average
10	9768.430	43.15	37.74	8.37	37.09	52.17	74.00	-21.83	VERTICAL	Peak
11	12210.850	25.96	39.21	10.98	37.06	39.09	54.00	-14.91	VERTICAL	Average
12	12210.850	42.66	39.21	10.98	37.06	55.79	74.00	-18.21	VERTICAL	Peak



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

Report No.: GZEM180500273401  
 Page: 45 of 84

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3834.438	30.19	29.12	7.80	36.91	30.20	54.00	-23.80	HORIZONTAL	Average
2	3834.438	44.79	29.12	7.80	36.91	44.80	74.00	-29.20	HORIZONTAL	Peak
3	4924.982	33.58	31.01	7.49	36.95	35.13	54.00	-18.87	HORIZONTAL	Average
4	4924.982	47.99	31.01	7.49	36.95	49.54	74.00	-24.46	HORIZONTAL	Peak
5	7386.893	28.19	35.85	7.42	36.92	34.54	54.00	-19.46	HORIZONTAL	Average
6	7386.893	42.07	35.85	7.42	36.92	48.42	74.00	-25.58	HORIZONTAL	Peak
7	9021.160	30.10	36.53	8.26	37.02	37.87	54.00	-16.13	HORIZONTAL	Average
8	9021.160	44.89	36.53	8.26	37.02	52.66	74.00	-21.34	HORIZONTAL	Peak
9	9848.530	28.21	37.82	8.46	37.09	37.40	54.00	-16.60	HORIZONTAL	Average
10	9848.530	42.99	37.82	8.46	37.09	52.18	74.00	-21.82	HORIZONTAL	Peak
11	12310.350	26.52	39.03	11.10	36.97	39.68	54.00	-14.32	HORIZONTAL	Average
12	12310.350	40.24	39.03	11.10	36.97	53.40	74.00	-20.60	HORIZONTAL	Peak

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4924.721	31.60	31.01	7.49	36.95	33.15	54.00	-20.85	VERTICAL	Average
2	4924.721	46.80	31.01	7.49	36.95	48.35	74.00	-25.65	VERTICAL	Peak
3	5881.418	29.65	32.23	7.43	37.00	32.31	54.00	-21.69	VERTICAL	Average
4	5881.418	42.17	32.23	7.43	37.00	44.83	74.00	-29.17	VERTICAL	Peak
5	7386.309	25.78	35.85	7.42	36.92	32.13	54.00	-21.87	VERTICAL	Average
6	7386.309	42.51	35.85	7.42	36.92	48.86	74.00	-25.14	VERTICAL	Peak
7	9848.880	29.93	37.82	8.46	37.09	39.12	54.00	-14.88	VERTICAL	Average
8	9848.880	41.70	37.82	8.46	37.09	50.89	74.00	-23.11	VERTICAL	Peak
9	10606.150	23.74	39.16	9.63	37.12	35.41	54.00	-18.59	VERTICAL	Average
10	10606.150	37.04	39.16	9.63	37.12	48.71	74.00	-25.29	VERTICAL	Peak
11	12310.620	26.14	39.03	11.10	36.97	39.30	54.00	-14.70	VERTICAL	Average
12	12310.620	39.24	39.03	11.10	36.97	52.40	74.00	-21.60	VERTICAL	Peak

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	37.812	21.66	12.55	0.46	23.31	11.36	40.00	-28.64	HORIZONTAL	QP
2	59.025	19.91	12.25	0.58	25.21	7.53	40.00	-32.47	HORIZONTAL	QP
3	106.759	29.12	10.16	0.87	27.44	12.71	43.50	-30.79	HORIZONTAL	QP
4	169.005	25.15	13.08	1.31	28.09	11.45	43.50	-32.05	HORIZONTAL	QP
5	564.639	28.49	20.00	1.98	29.35	21.12	46.00	-24.88	HORIZONTAL	QP
6	763.376	27.31	22.34	2.84	28.96	23.53	46.00	-22.47	HORIZONTAL	QP

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4824.885	34.46	30.82	6.01	36.94	34.35	54.00	-19.65	HORIZONTAL	Average
2	4824.885	48.43	30.82	6.01	36.94	48.32	74.00	-25.68	HORIZONTAL	Peak
3	6056.092	31.54	32.45	7.06	37.00	34.05	54.00	-19.95	HORIZONTAL	Average
4	6056.092	44.23	32.45	7.06	37.00	46.74	74.00	-27.26	HORIZONTAL	Peak
5	7236.832	31.13	35.55	7.35	36.93	37.10	54.00	-16.90	HORIZONTAL	Average
6	7236.832	44.38	35.55	7.35	36.93	50.35	74.00	-23.65	HORIZONTAL	Peak
7	9648.390	31.38	37.54	8.18	37.08	40.02	54.00	-13.98	HORIZONTAL	Average
8	9648.390	45.55	37.54	8.18	37.08	54.19	74.00	-19.81	HORIZONTAL	Peak
9	10948.780	24.24	39.90	9.96	37.15	36.95	54.00	-17.05	HORIZONTAL	Average
10	10948.780	37.75	39.90	9.96	37.15	50.46	74.00	-23.54	HORIZONTAL	Peak
11	12060.850	26.29	39.46	10.71	37.17	39.29	54.00	-14.71	HORIZONTAL	Average
12	12060.850	39.94	39.46	10.71	37.17	52.94	74.00	-21.06	HORIZONTAL	Peak





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

Report No.: GZEM180500273401  
 Page: 47 of 84

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	33.917	23.31	12.34	0.20	22.53	13.32	40.00	-26.68	VERTICAL	QP
2	48.672	22.39	12.97	0.62	24.79	11.19	40.00	-28.81	VERTICAL	QP
3	109.412	30.27	10.55	0.88	27.66	14.04	43.50	-29.46	VERTICAL	QP
4	182.559	26.55	12.56	1.33	28.11	12.33	43.50	-31.17	VERTICAL	QP
5	616.372	30.28	20.70	2.10	29.31	23.77	46.00	-22.23	VERTICAL	QP
6	872.183	33.58	23.73	2.93	28.29	31.95	46.00	-14.05	VERTICAL	QP

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3105.037	34.69	27.90	5.37	37.03	30.93	54.00	-23.07	VERTICAL	Average
2	3105.037	47.66	27.90	5.37	37.03	43.90	74.00	-30.10	VERTICAL	Peak
3	4039.212	31.76	29.53	7.13	36.90	31.52	54.00	-22.48	VERTICAL	Average
4	4039.212	46.10	29.53	7.13	36.90	45.86	74.00	-28.14	VERTICAL	Peak
5	4824.890	35.83	30.82	6.01	36.94	35.72	54.00	-18.28	VERTICAL	Average
6	4824.890	48.98	30.82	6.01	36.94	48.87	74.00	-25.13	VERTICAL	Peak
7	7236.882	30.12	35.55	7.35	36.93	36.09	54.00	-17.91	VERTICAL	Average
8	7236.882	43.74	35.55	7.35	36.93	49.71	74.00	-24.29	VERTICAL	Peak
9	9648.850	30.06	37.54	8.18	37.08	38.70	54.00	-15.30	VERTICAL	Average
10	9648.850	43.96	37.54	8.18	37.08	52.60	74.00	-21.40	VERTICAL	Peak
11	12060.280	29.36	39.46	10.71	37.17	42.36	54.00	-11.64	VERTICAL	Average
12	12060.280	41.24	39.46	10.71	37.17	54.24	74.00	-19.76	VERTICAL	Peak



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

Report No.: GZEM180500273401  
 Page: 48 of 84

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3823.371	31.71	29.08	7.83	36.91	31.71	54.00	-22.29	HORIZONTAL	Average
2	3823.371	45.26	29.08	7.83	36.91	45.26	74.00	-28.74	HORIZONTAL	Peak
3	4521.185	31.69	30.14	6.69	36.92	31.60	54.00	-22.40	HORIZONTAL	Average
4	4521.185	44.36	30.14	6.69	36.92	44.27	74.00	-29.73	HORIZONTAL	Peak
5	4884.440	35.62	30.95	6.86	36.95	36.48	54.00	-17.52	HORIZONTAL	Average
6	4884.440	49.03	30.95	6.86	36.95	49.89	74.00	-24.11	HORIZONTAL	Peak
7	7326.516	28.48	35.74	7.39	36.92	34.69	54.00	-19.31	HORIZONTAL	Average
8	7326.516	42.90	35.74	7.39	36.92	49.11	74.00	-24.89	HORIZONTAL	Peak
9	9768.479	30.81	37.74	8.37	37.09	39.83	54.00	-14.17	HORIZONTAL	Average
10	9768.479	43.24	37.74	8.37	37.09	52.26	74.00	-21.74	HORIZONTAL	Peak
11	12210.250	26.82	39.21	10.98	37.06	39.95	54.00	-14.05	HORIZONTAL	Average
12	12210.250	39.59	39.21	10.98	37.06	52.72	74.00	-21.28	HORIZONTAL	Peak

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3261.418	38.77	27.90	5.80	36.99	35.48	54.00	-18.52	VERTICAL	Average
2	3261.418	50.29	27.90	5.80	36.99	47.00	74.00	-27.00	VERTICAL	Peak
3	4884.043	39.60	30.95	6.86	36.95	40.46	54.00	-13.54	VERTICAL	Average
4	4884.043	50.78	30.95	6.86	36.95	51.64	74.00	-22.36	VERTICAL	Peak
5	6159.797	31.26	32.84	6.95	37.00	34.05	54.00	-19.95	VERTICAL	Average
6	6159.797	44.62	32.84	6.95	37.00	47.41	74.00	-26.59	VERTICAL	Peak
7	7326.527	30.55	35.74	7.39	36.92	36.76	54.00	-17.24	VERTICAL	Average
8	7326.527	43.74	35.74	7.39	36.92	49.95	74.00	-24.05	VERTICAL	Peak
9	9768.221	30.77	37.74	8.37	37.09	39.79	54.00	-14.21	VERTICAL	Average
10	9768.221	45.47	37.74	8.37	37.09	54.49	74.00	-19.51	VERTICAL	Peak
11	12210.750	28.99	39.21	10.98	37.06	42.12	54.00	-11.88	VERTICAL	Average
12	12210.750	41.94	39.21	10.98	37.06	55.07	74.00	-18.93	VERTICAL	Peak





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

Report No.: GZEM180500273401  
 Page: 49 of 84

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3823.371	33.89	29.08	7.83	36.91	33.89	54.00	-20.11	HORIZONTAL	Average
2	3823.371	44.61	29.08	7.83	36.91	44.61	74.00	-29.39	HORIZONTAL	Peak
3	4924.721	33.82	31.01	7.49	36.95	35.37	54.00	-18.63	HORIZONTAL	Average
4	4924.721	46.72	31.01	7.49	36.95	48.27	74.00	-25.73	HORIZONTAL	Peak
5	6377.195	30.11	33.91	6.99	36.99	34.02	54.00	-19.98	HORIZONTAL	Average
6	6377.195	42.16	33.91	6.99	36.99	46.07	74.00	-27.93	HORIZONTAL	Peak
7	7386.893	30.71	35.85	7.42	36.92	37.06	54.00	-16.94	HORIZONTAL	Average
8	7386.893	43.72	35.85	7.42	36.92	50.07	74.00	-23.93	HORIZONTAL	Peak
9	9848.164	30.87	37.82	8.46	37.09	40.06	54.00	-13.94	HORIZONTAL	Average
10	9848.164	43.05	37.82	8.46	37.09	52.24	74.00	-21.76	HORIZONTAL	Peak
11	12310.700	26.36	39.03	11.10	36.97	39.52	54.00	-14.48	HORIZONTAL	Average
12	12310.700	39.44	39.03	11.10	36.97	52.60	74.00	-21.40	HORIZONTAL	Peak

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3280.326	38.73	27.90	5.75	36.99	35.39	54.00	-18.61	VERTICAL	Average
2	3280.326	50.42	27.90	5.75	36.99	47.08	74.00	-26.92	VERTICAL	Peak
3	4924.721	35.68	31.01	7.49	36.95	37.23	54.00	-16.77	VERTICAL	Average
4	4924.721	51.48	31.01	7.49	36.95	53.03	74.00	-20.97	VERTICAL	Peak
5	6358.789	30.15	33.84	6.98	36.99	33.98	54.00	-20.02	VERTICAL	Average
6	6358.789	43.98	33.84	6.98	36.99	47.81	74.00	-26.19	VERTICAL	Peak
7	7386.527	30.82	35.85	7.42	36.92	37.17	54.00	-16.83	VERTICAL	Average
8	7386.527	43.54	35.85	7.42	36.92	49.89	74.00	-24.11	VERTICAL	Peak
9	9848.710	31.35	37.82	8.46	37.09	40.54	54.00	-13.46	VERTICAL	Average
10	9848.710	43.35	37.82	8.46	37.09	52.54	74.00	-21.46	VERTICAL	Peak
11	12310.580	27.82	39.03	11.10	36.97	40.98	54.00	-13.02	VERTICAL	Average
12	12310.580	40.12	39.03	11.10	36.97	53.28	74.00	-20.72	VERTICAL	Peak

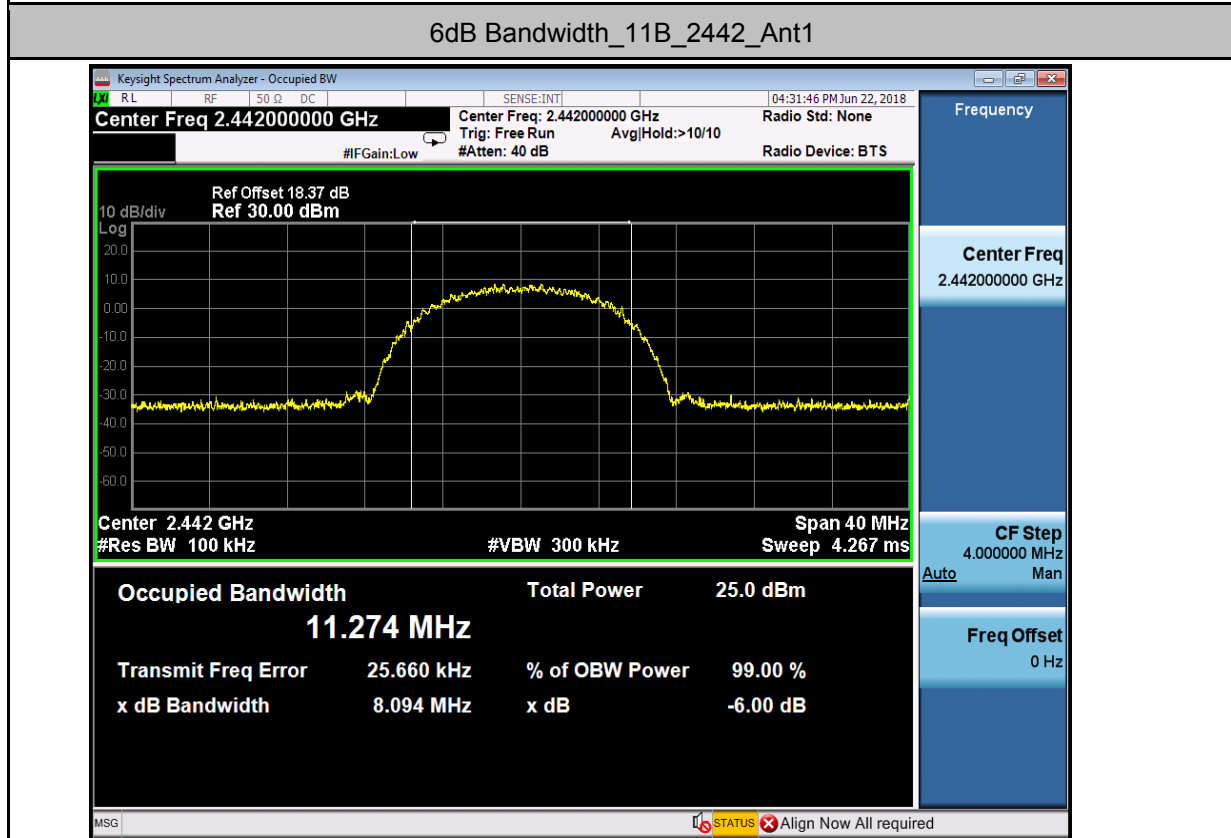
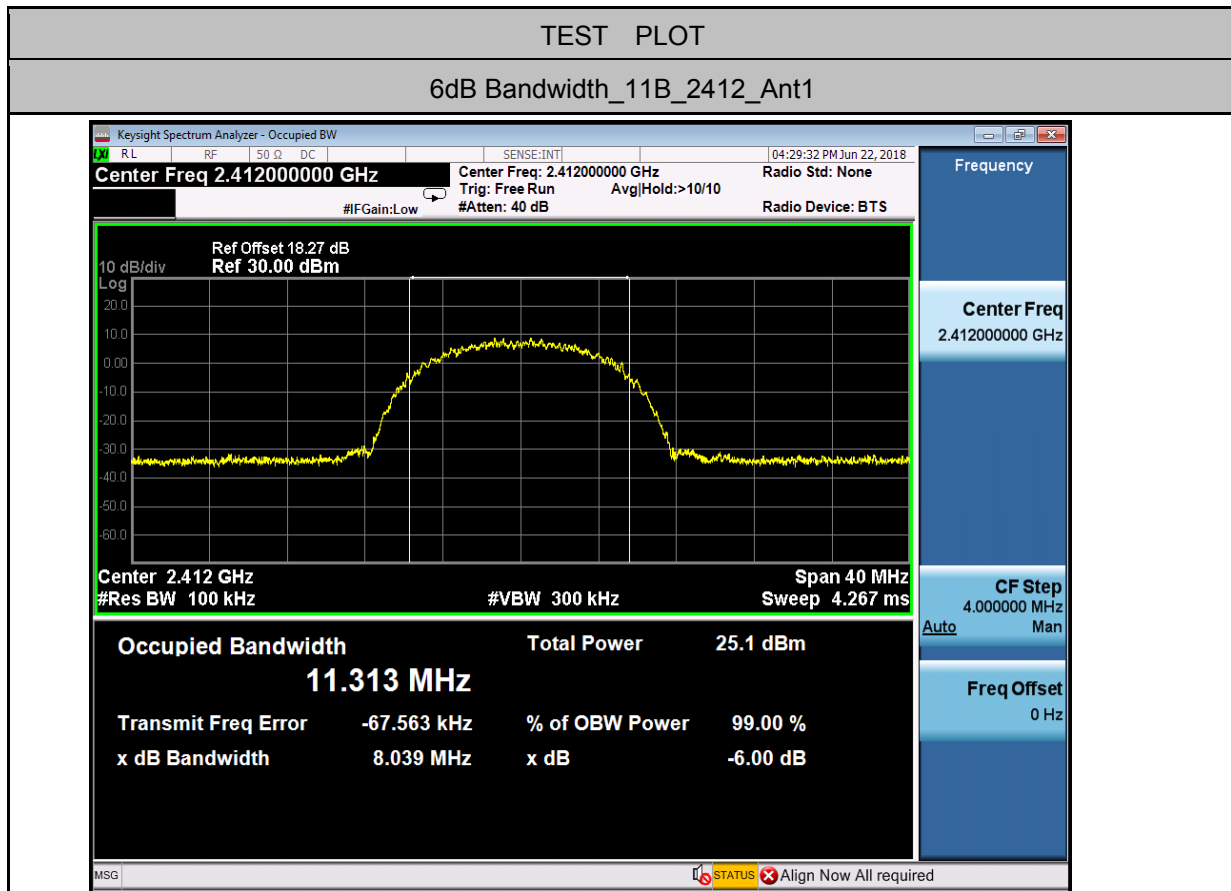


## 8 Appendix

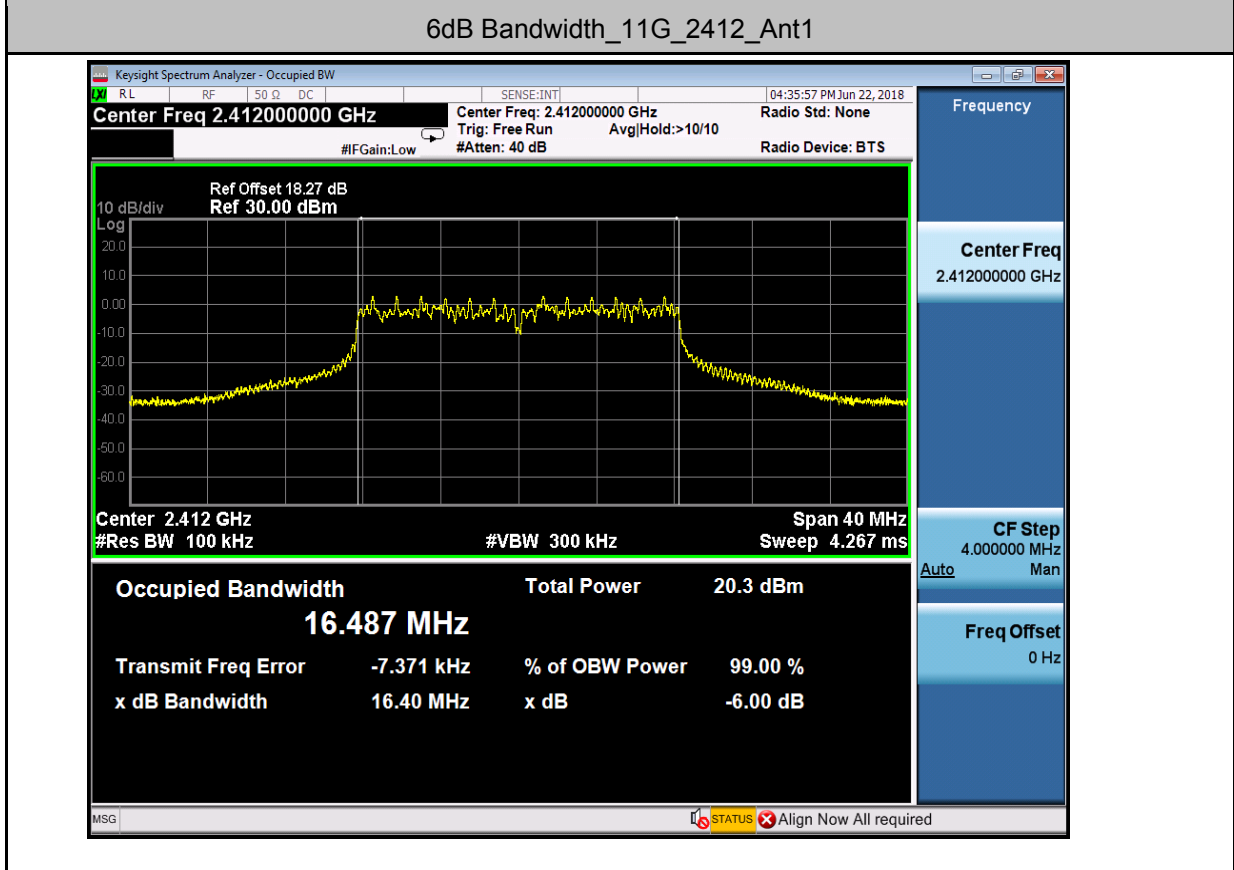
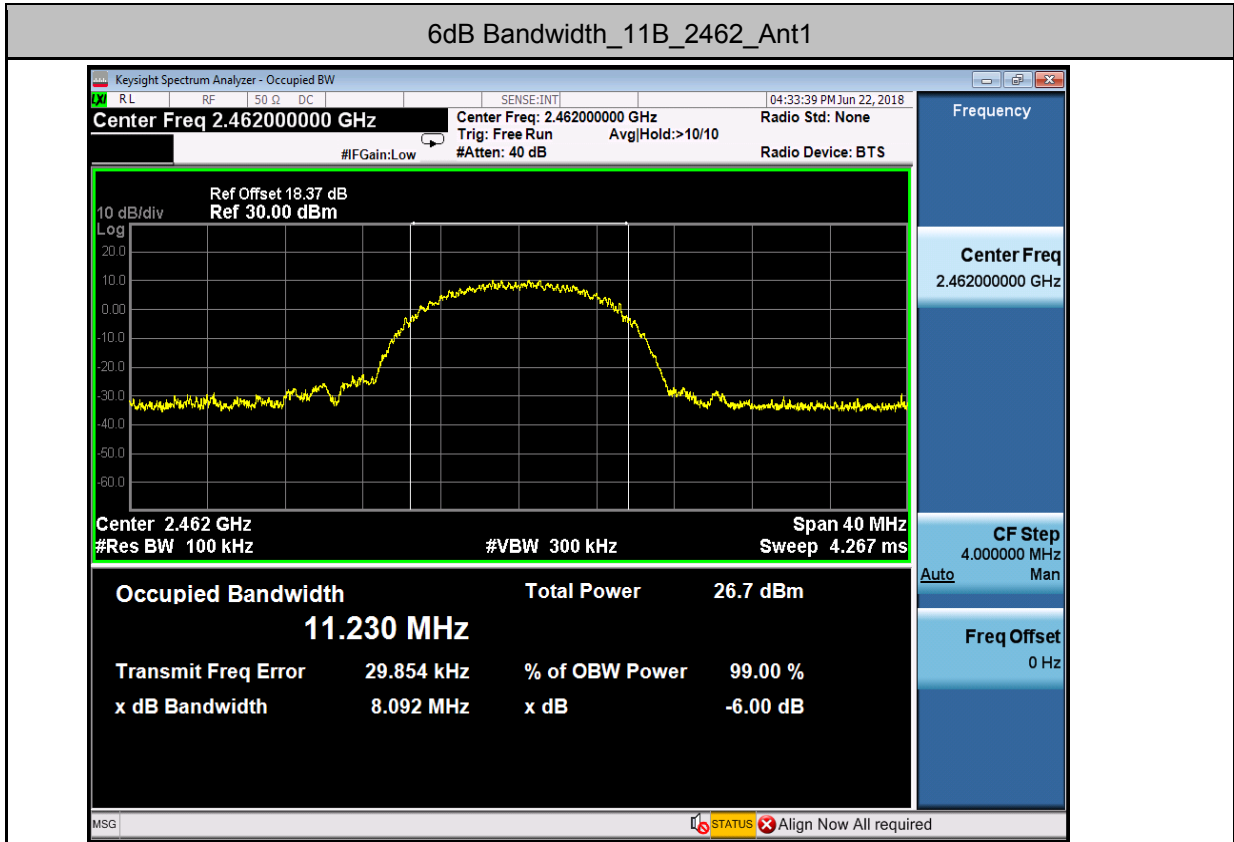
### 8.1 Appendix 15.247

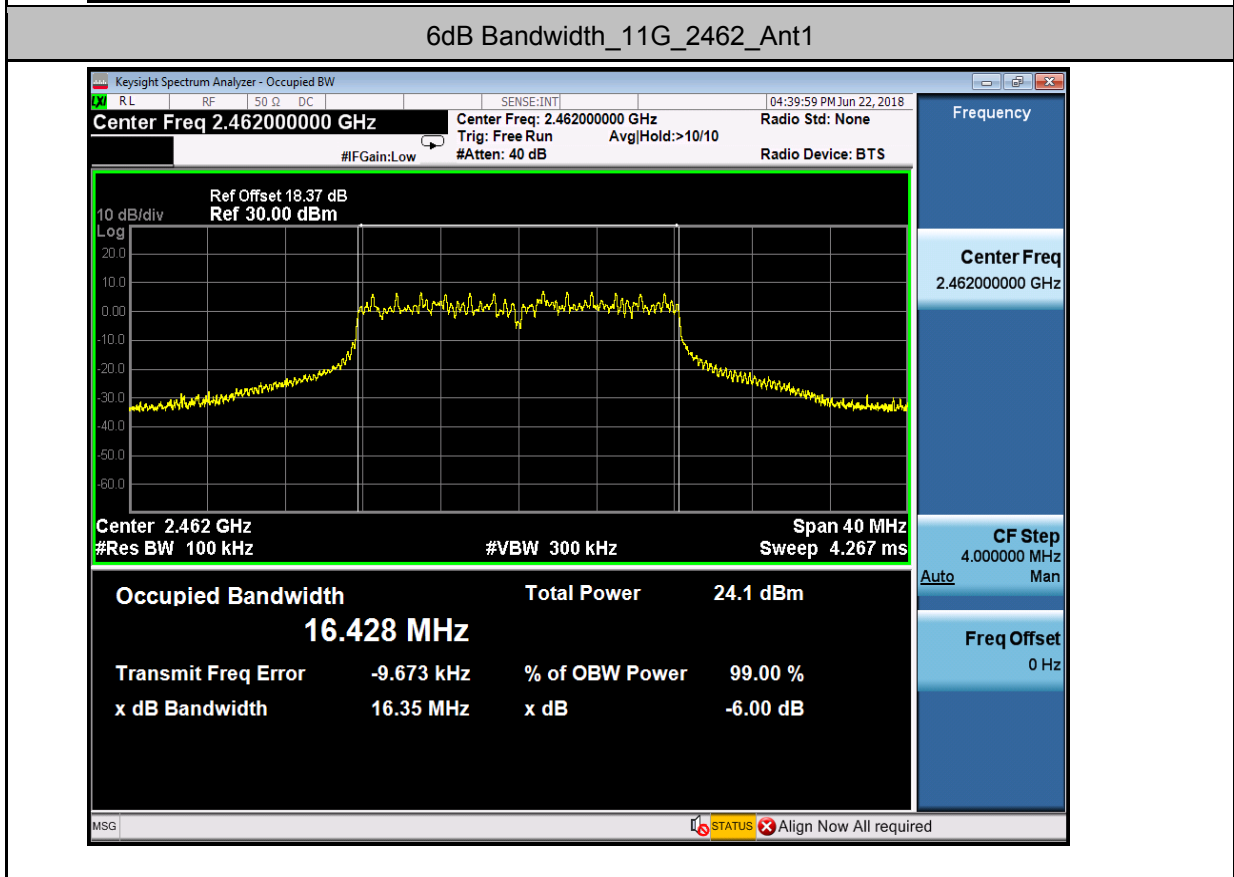
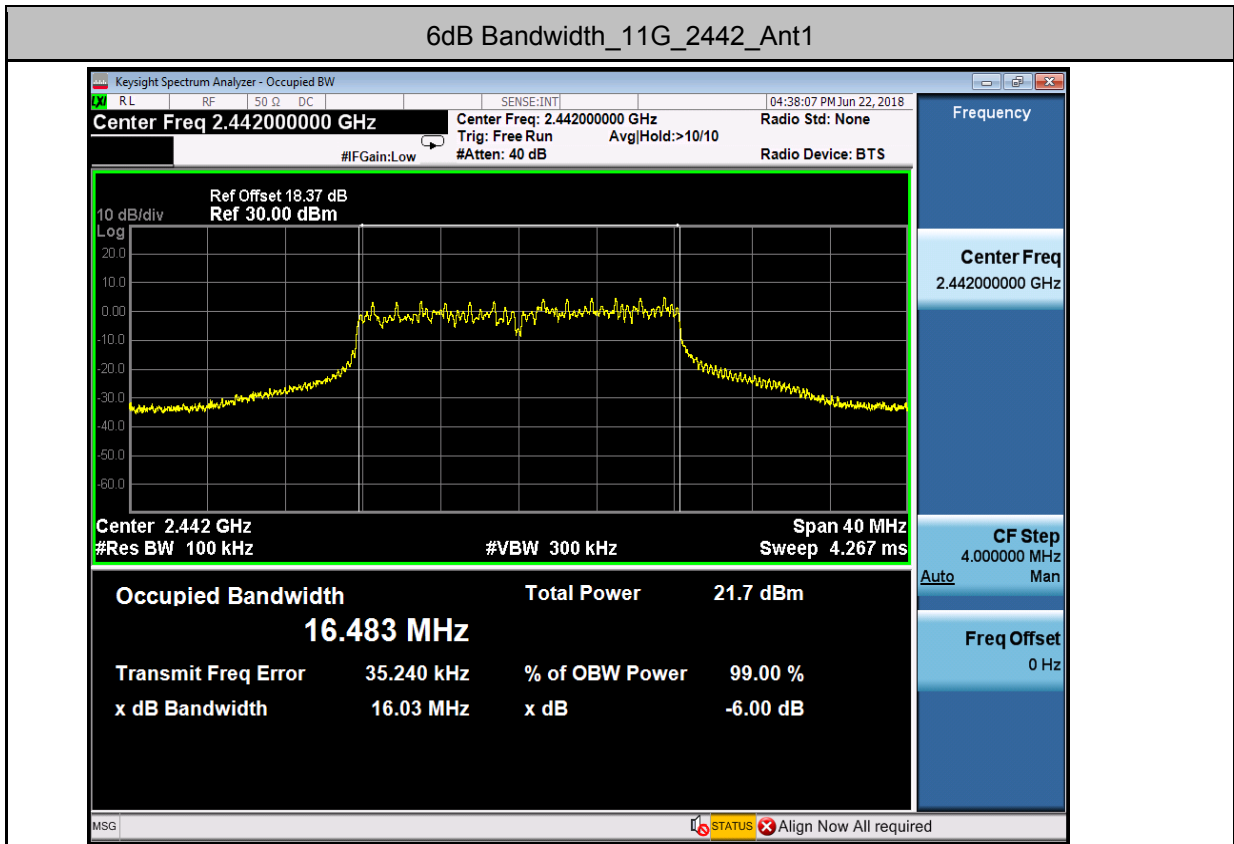
#### 1.6dB Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	11.313	8.039	0.5	PASS
11B	2442	Ant1	11.274	8.094	0.5	PASS
11B	2462	Ant1	11.230	8.092	0.5	PASS
11G	2412	Ant1	16.487	16.40	0.5	PASS
11G	2442	Ant1	16.483	16.03	0.5	PASS
11G	2462	Ant1	16.428	16.35	0.5	PASS
11N20SISO	2412	Ant1	17.721	17.49	0.5	PASS
11N20SISO	2442	Ant1	17.719	17.47	0.5	PASS
11N20SISO	2462	Ant1	17.683	17.49	0.5	PASS

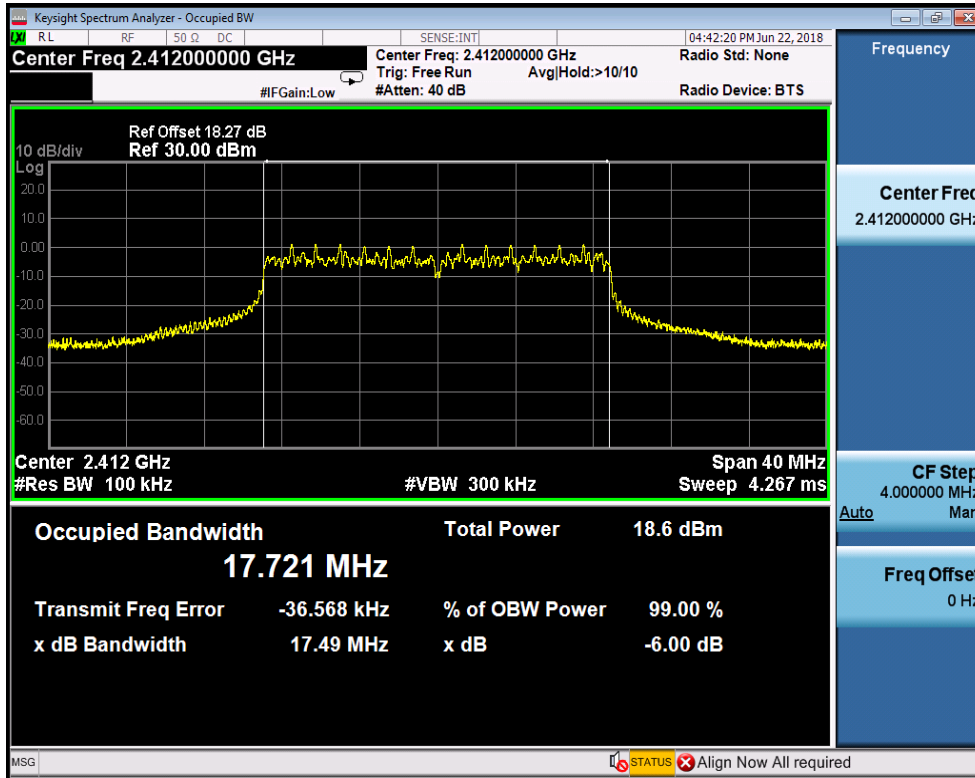




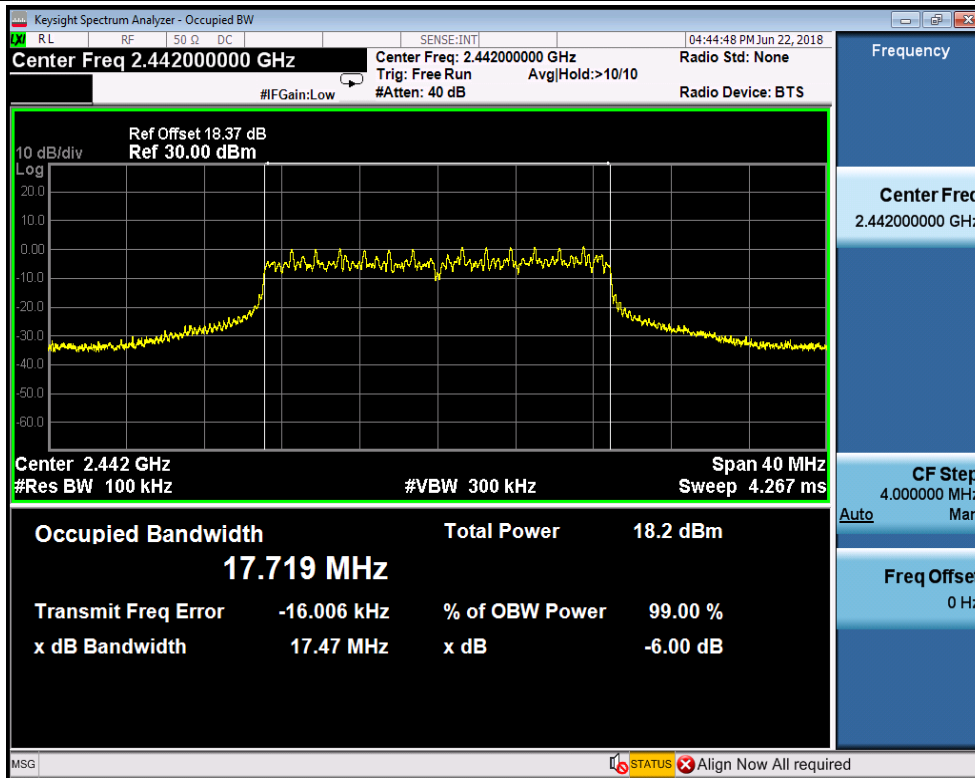




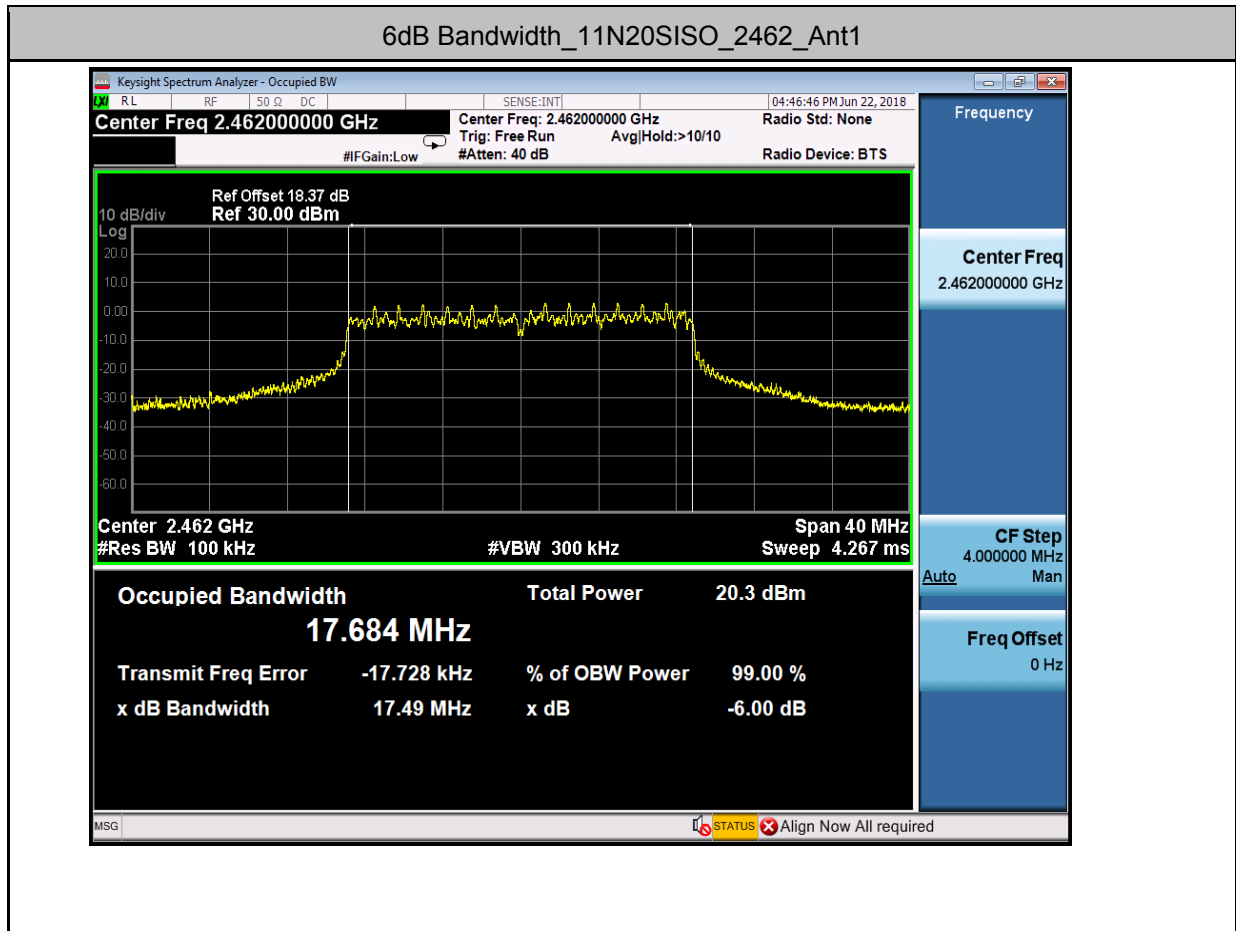
6dB Bandwidth\_11N20SISO\_2412\_Ant1



6dB Bandwidth\_11N20SISO\_2442\_Ant1







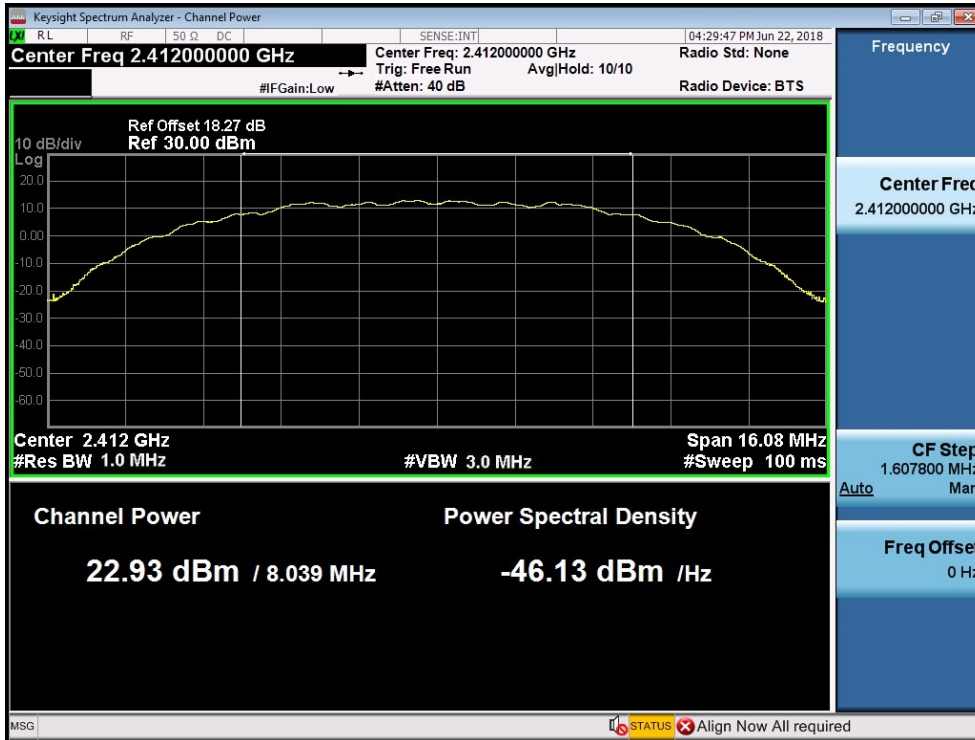
**2. Maximum peak conducted output power**

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	22.93	30	PASS
11B	2442	Ant1	22.75	30	PASS
11B	2462	Ant1	24.33	30	PASS
11G	2412	Ant1	20.46	30	PASS
11G	2442	Ant1	21.78	30	PASS
11G	2462	Ant1	24.13	30	PASS
11N20SISO	2412	Ant1	18.66	30	PASS
11N20SISO	2442	Ant1	18.3	30	PASS
11N20SISO	2462	Ant1	21.18	30	PASS

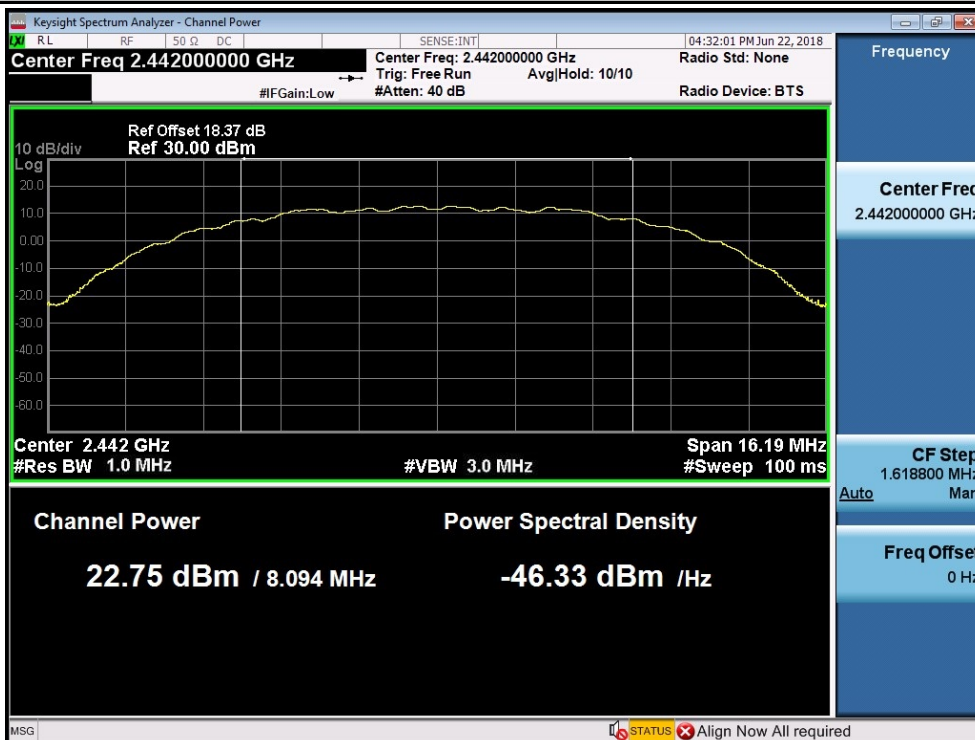


TEST PLOT

Maximum peak conducted output power\_11B\_2412\_Ant1

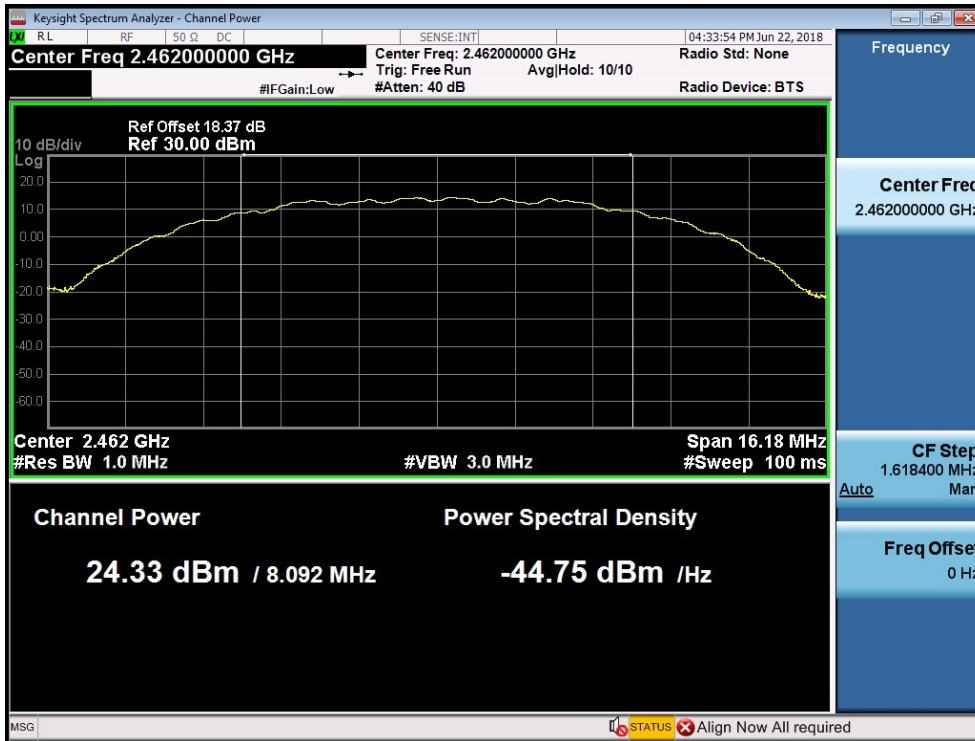


Maximum peak conducted output power\_11B\_2442\_Ant1

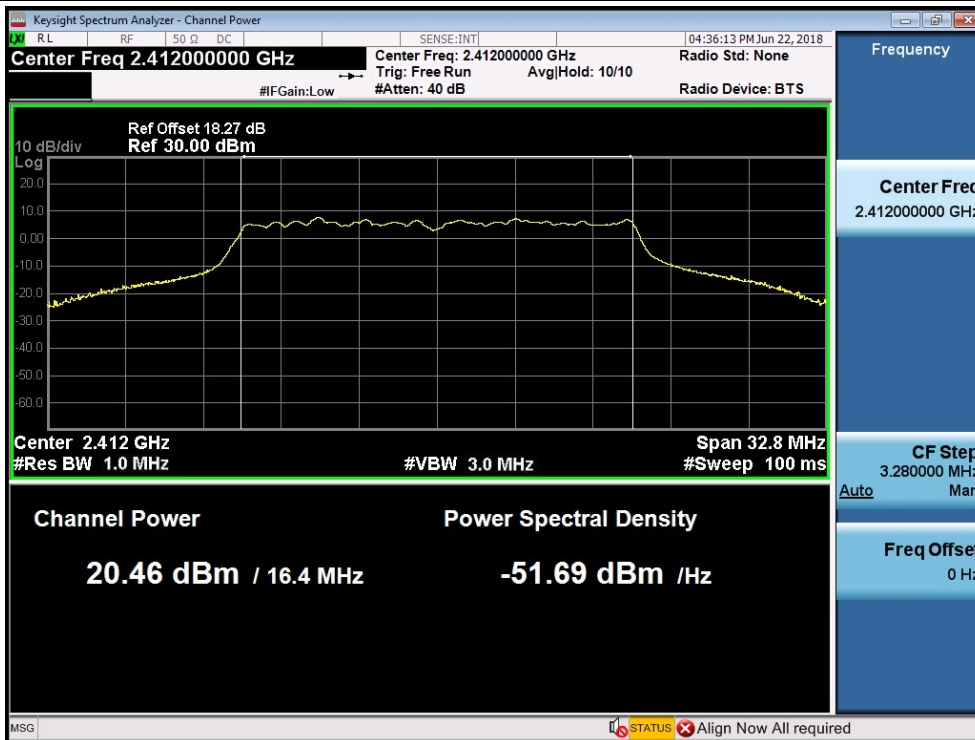




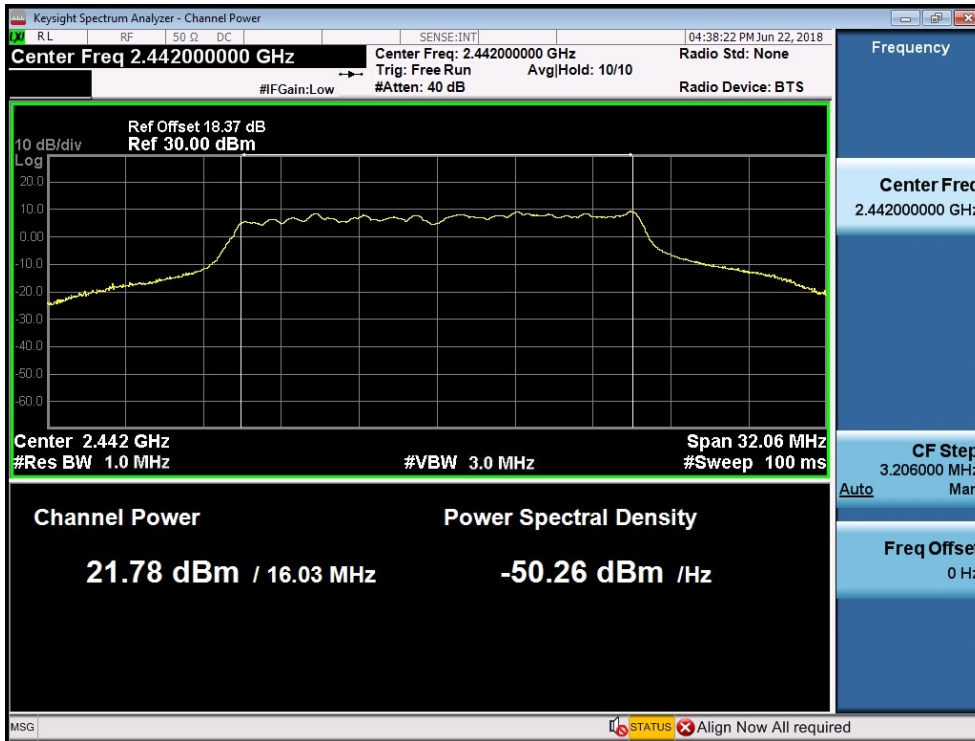
Maximum peak conducted output power\_11B\_2462\_Ant1



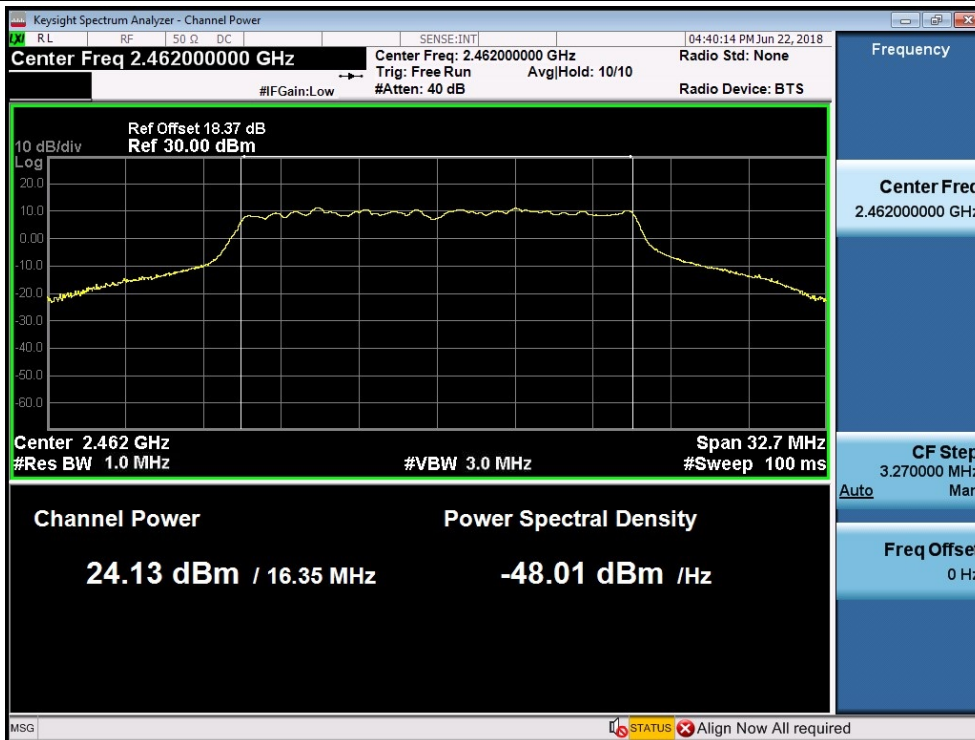
Maximum peak conducted output power\_11G\_2412\_Ant1



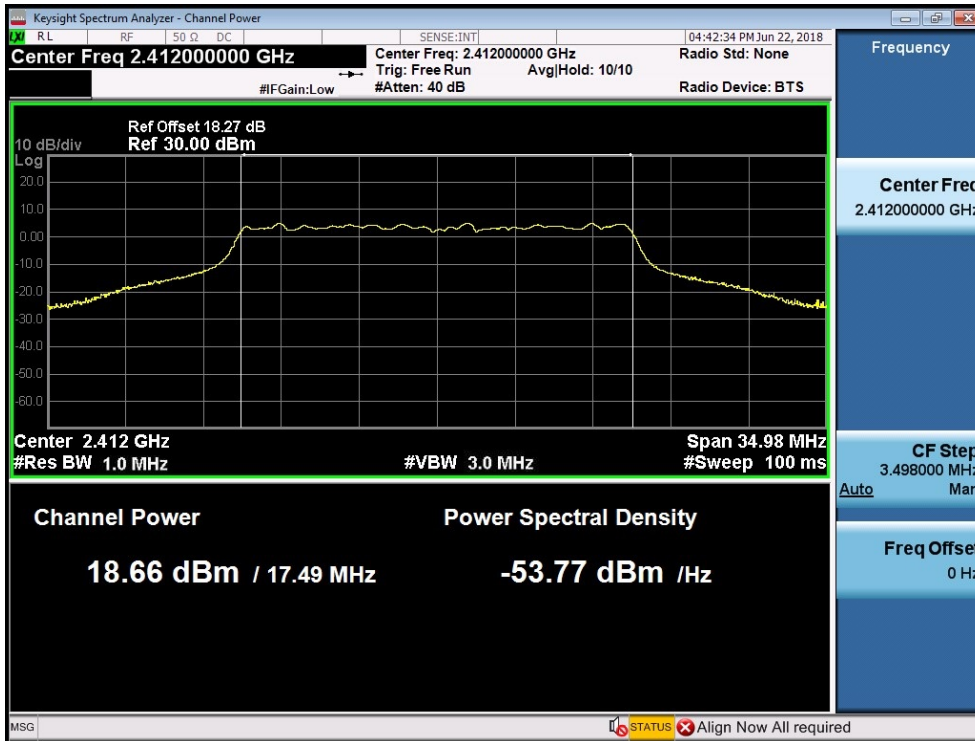
Maximum peak conducted output power\_11G\_2442\_Ant1



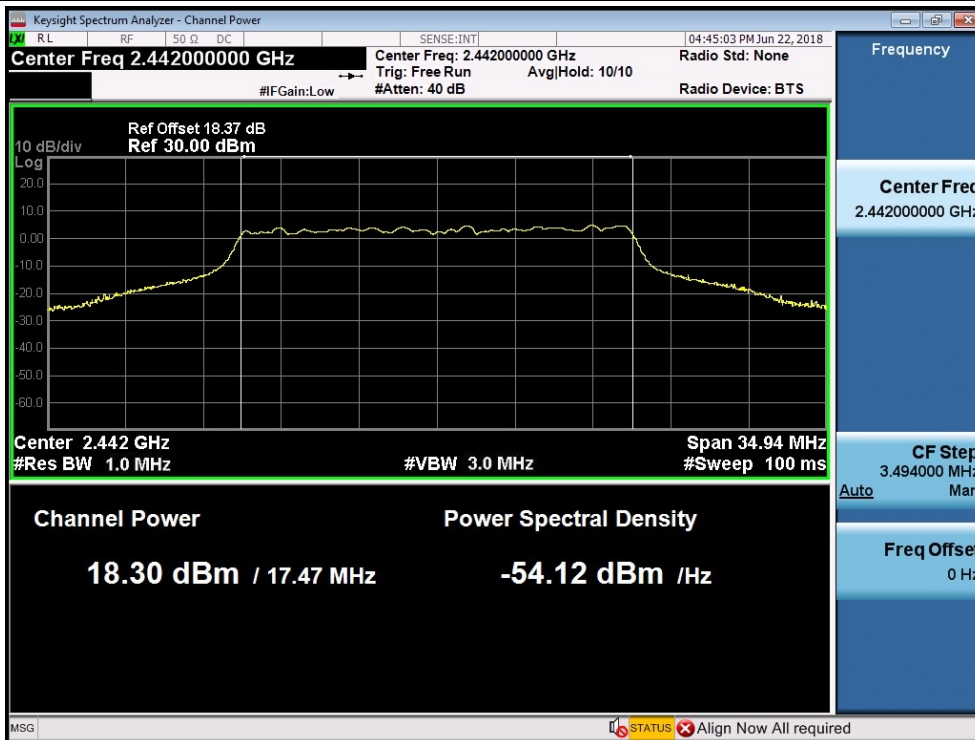
Maximum peak conducted output power\_11G\_2462\_Ant1



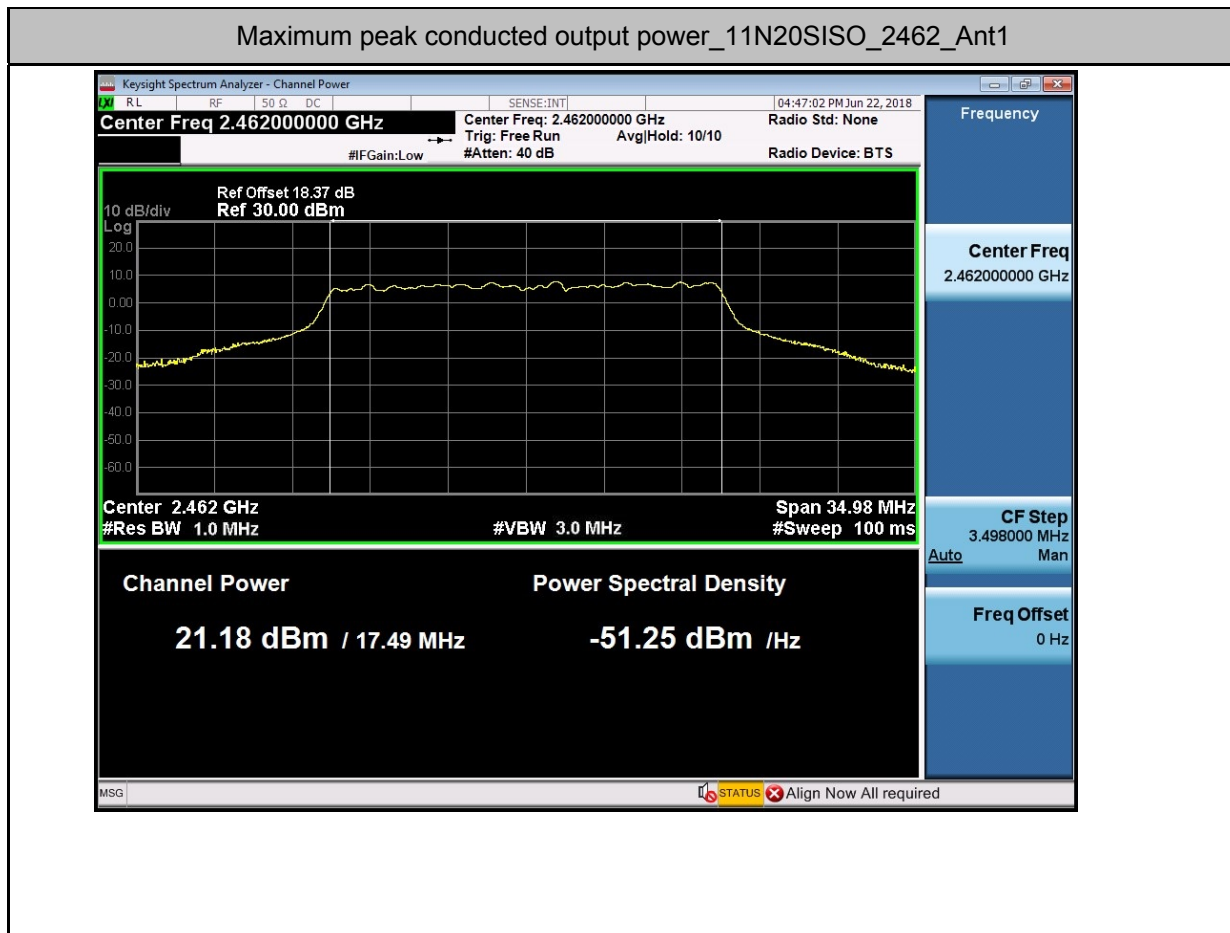
Maximum peak conducted output power\_11N20SISO\_2412\_Ant1



Maximum peak conducted output power\_11N20SISO\_2442\_Ant1





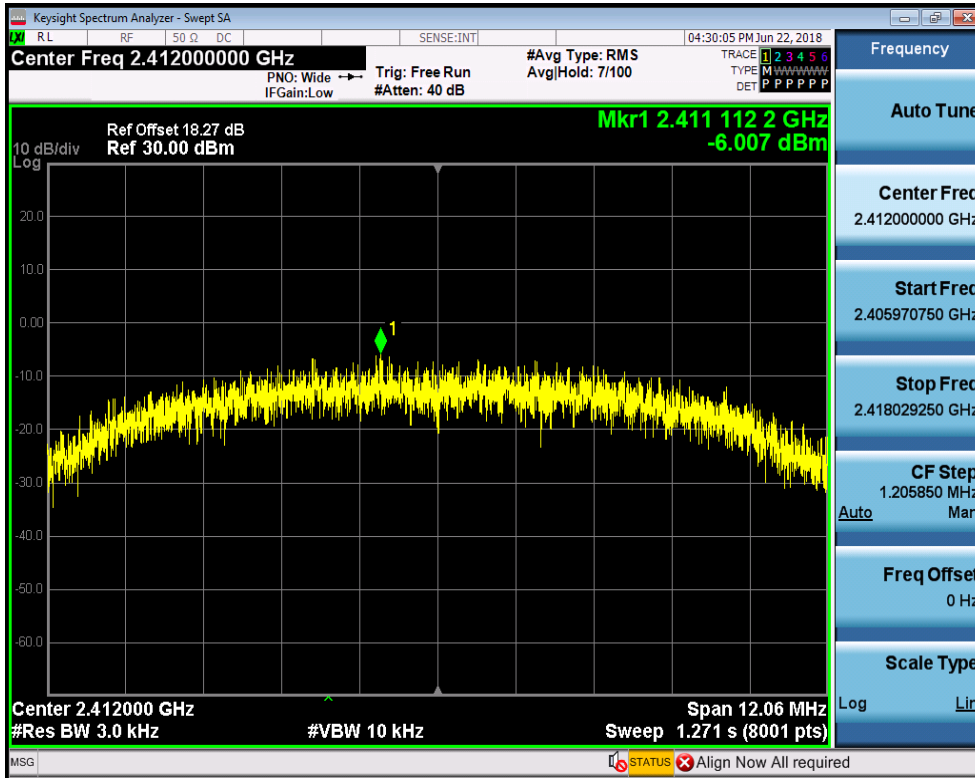


### 3. Maximum Peak power spectral density

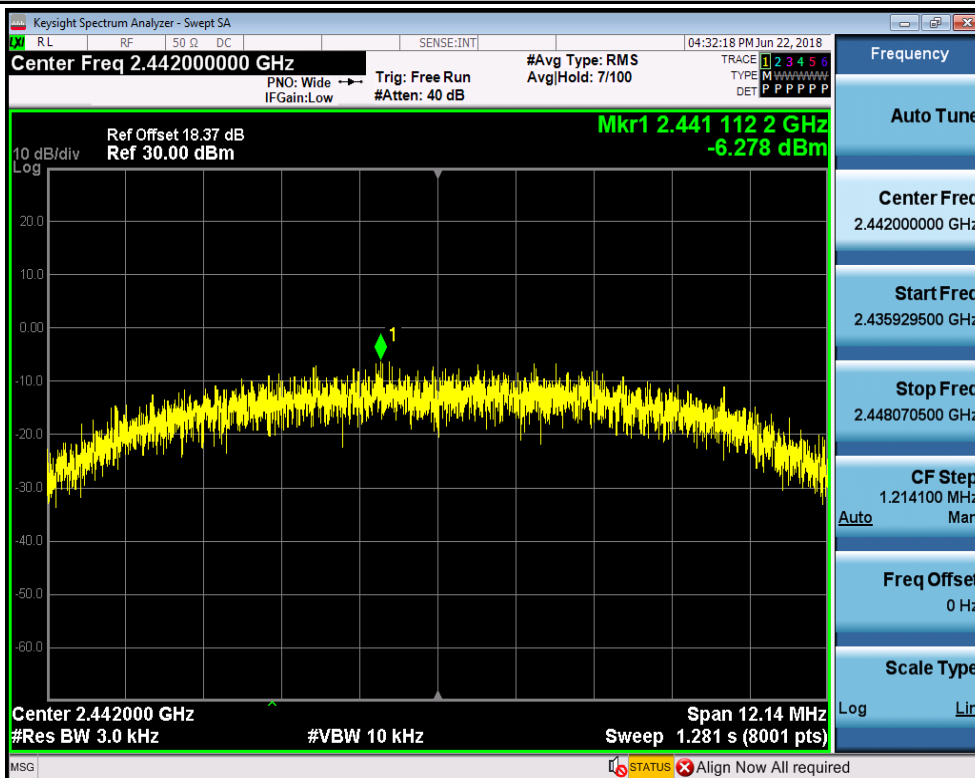
Test Mode	Test Channel	Ant	Result	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-6.007	8.00	PASS
11B	2442	Ant1	-6.278	8.00	PASS
11B	2462	Ant1	-5.034	8.00	PASS
11G	2412	Ant1	-9.355	8.00	PASS
11G	2442	Ant1	-7.482	8.00	PASS
11G	2462	Ant1	-5.216	8.00	PASS
11N20SISO	2412	Ant1	-10.407	8.00	PASS
11N20SISO	2442	Ant1	-10.818	8.00	PASS
11N20SISO	2462	Ant1	-6.262	8.00	PASS

TEST PLOT

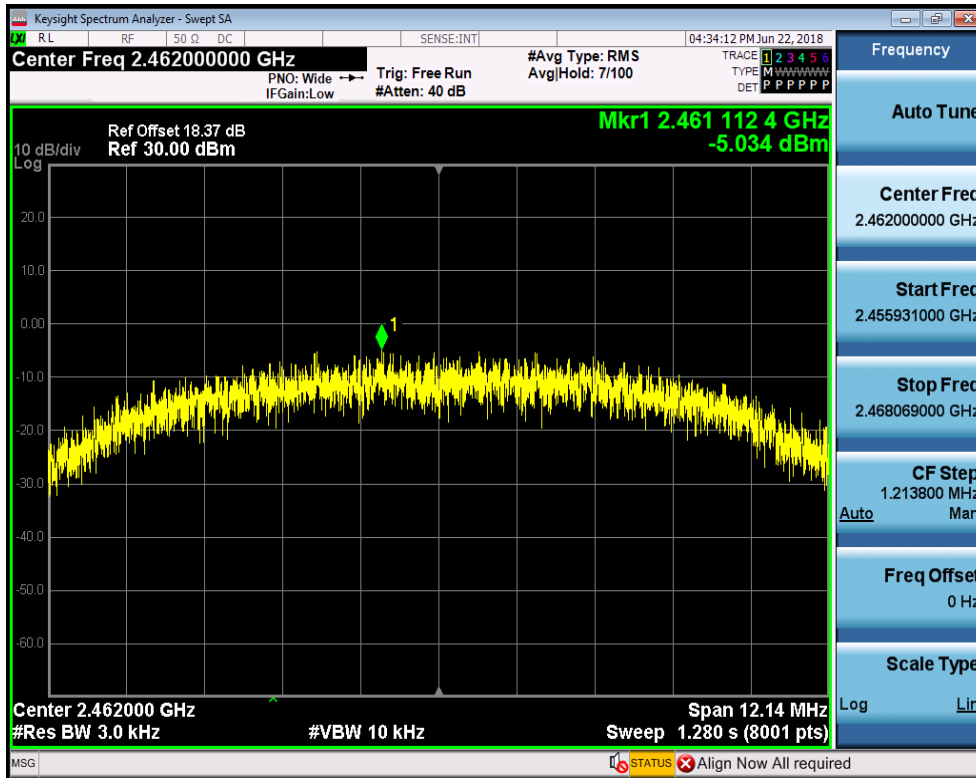
Maximum Peak power spectral density\_11B\_2412\_Ant1



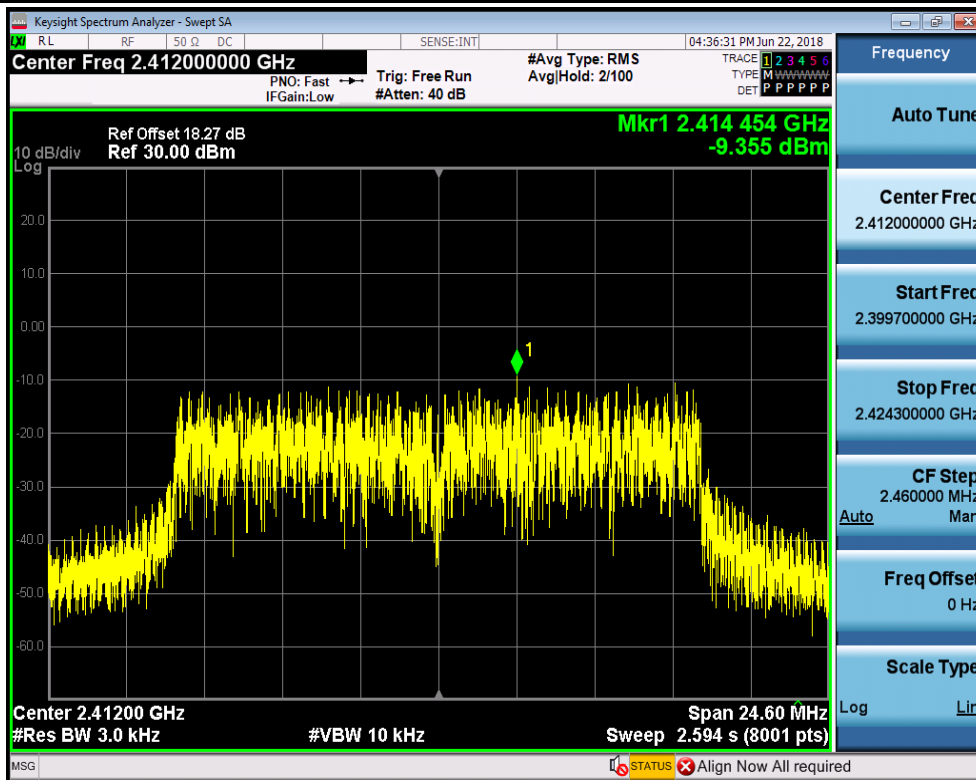
Maximum Peak power spectral density\_11B\_2442\_Ant1



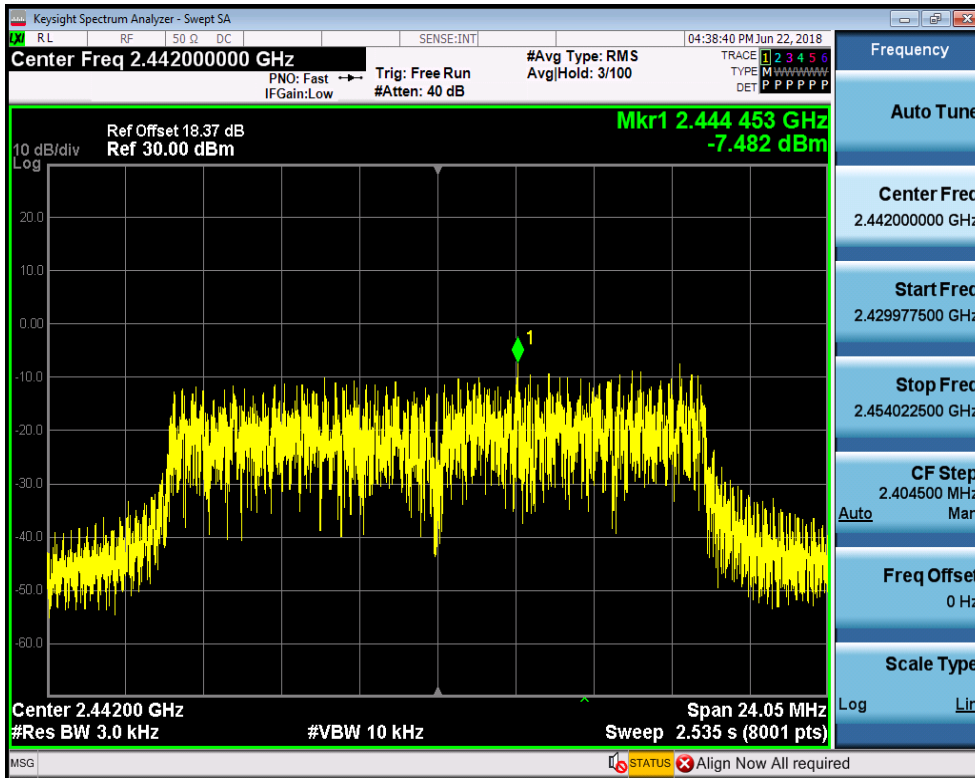
Maximum Peak power spectral density\_11B\_2462\_Ant1



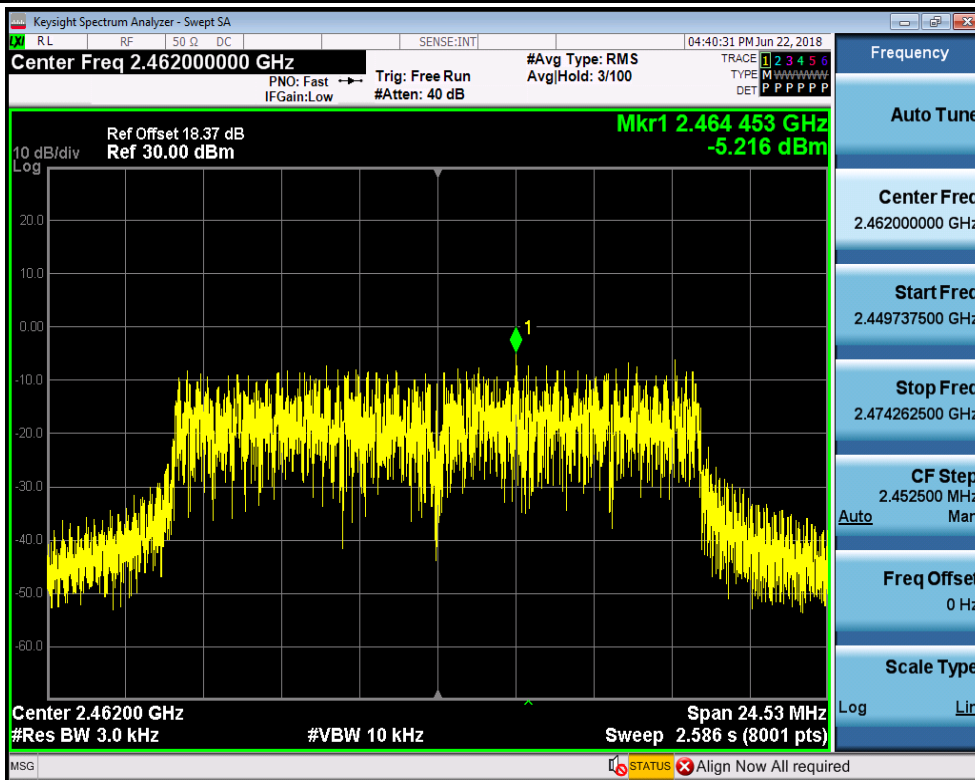
Maximum Peak power spectral density\_11G\_2412\_Ant1



Maximum Peak power spectral density\_11G\_2442\_Ant1

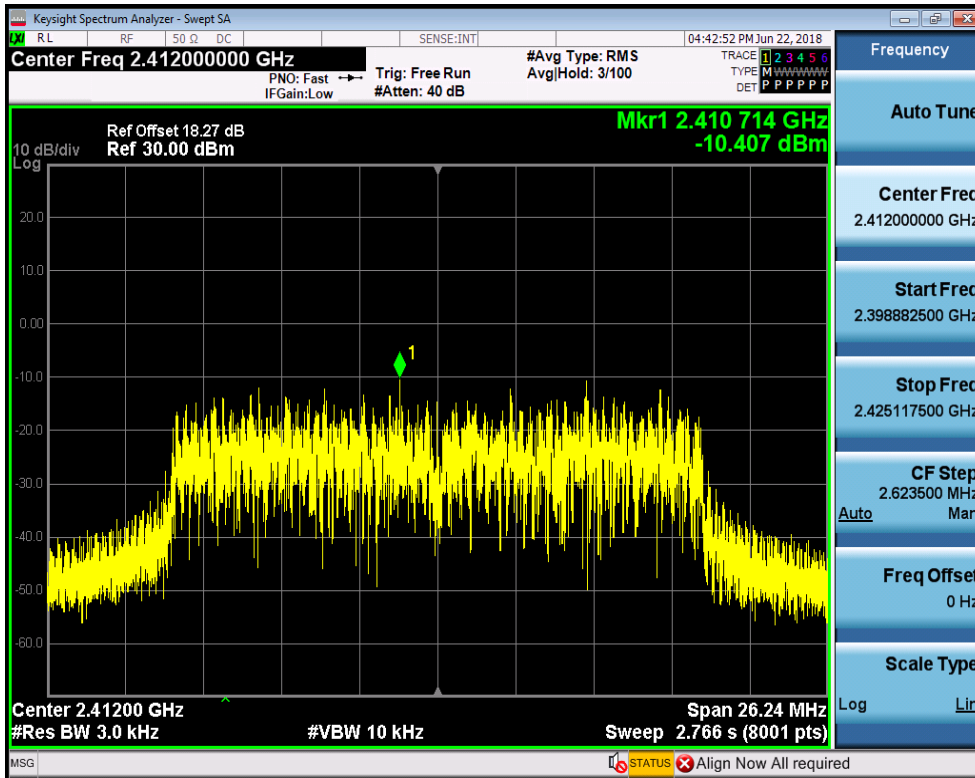


Maximum Peak power spectral density\_11G\_2462\_Ant1

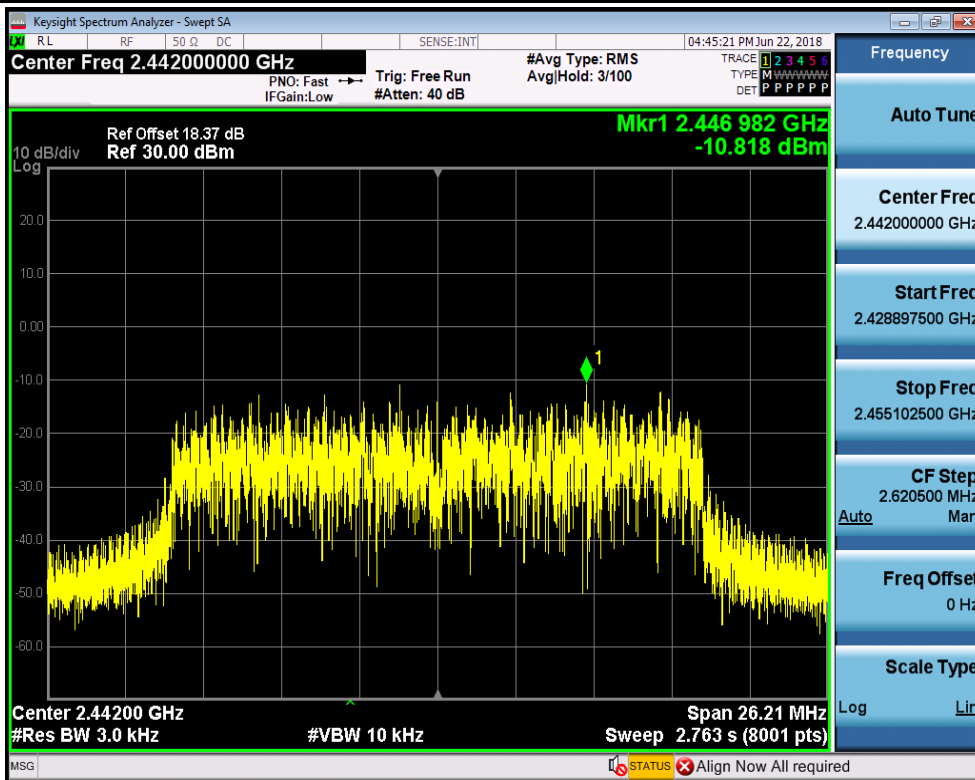


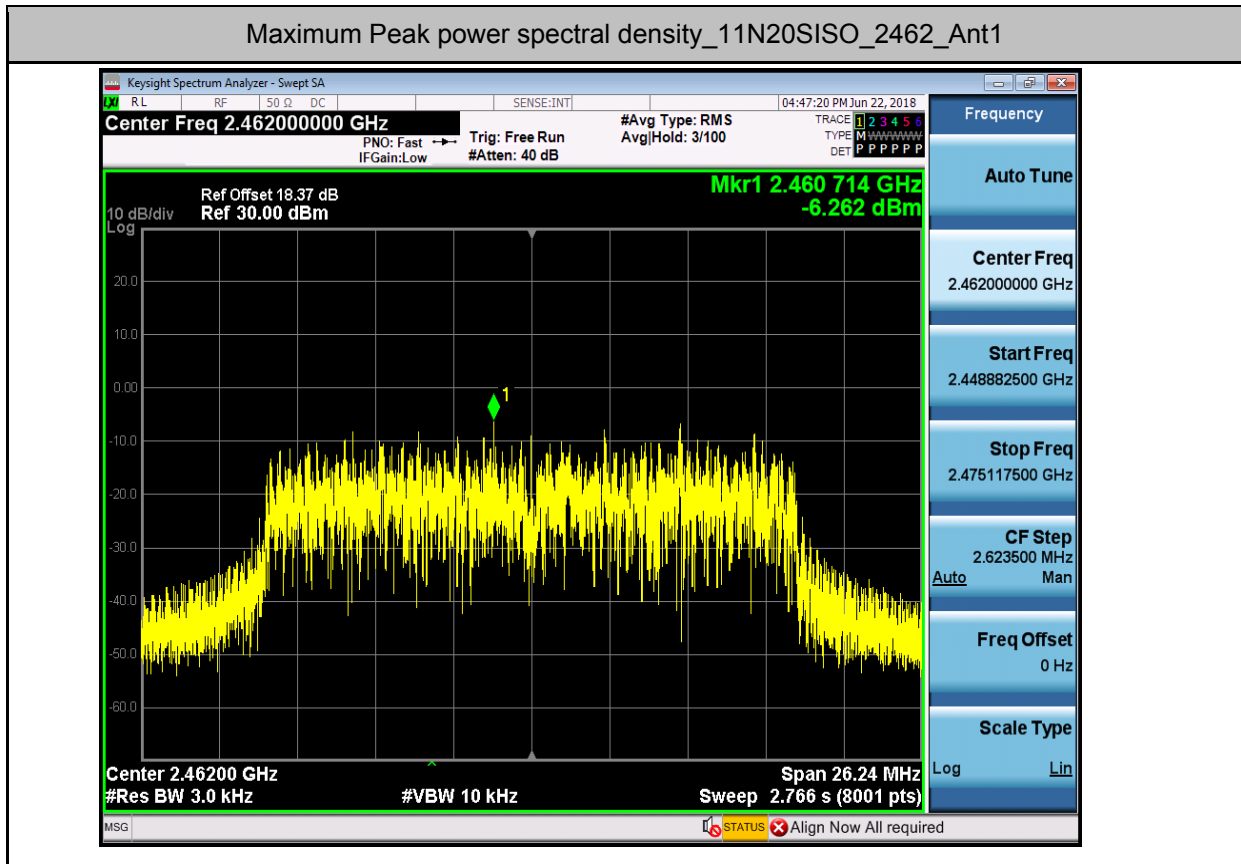


Maximum Peak power spectral density\_11N20SISO\_2412\_Ant1



Maximum Peak power spectral density\_11N20SISO\_2442\_Ant1



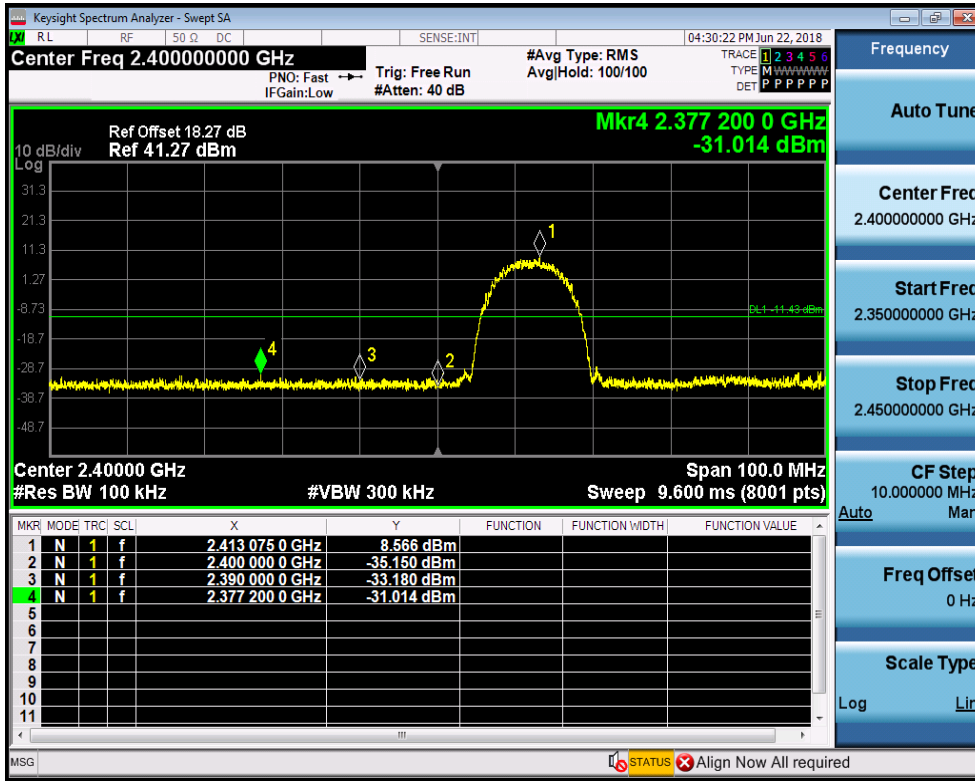


#### 4. Band-edge for RF Conducted Emissions

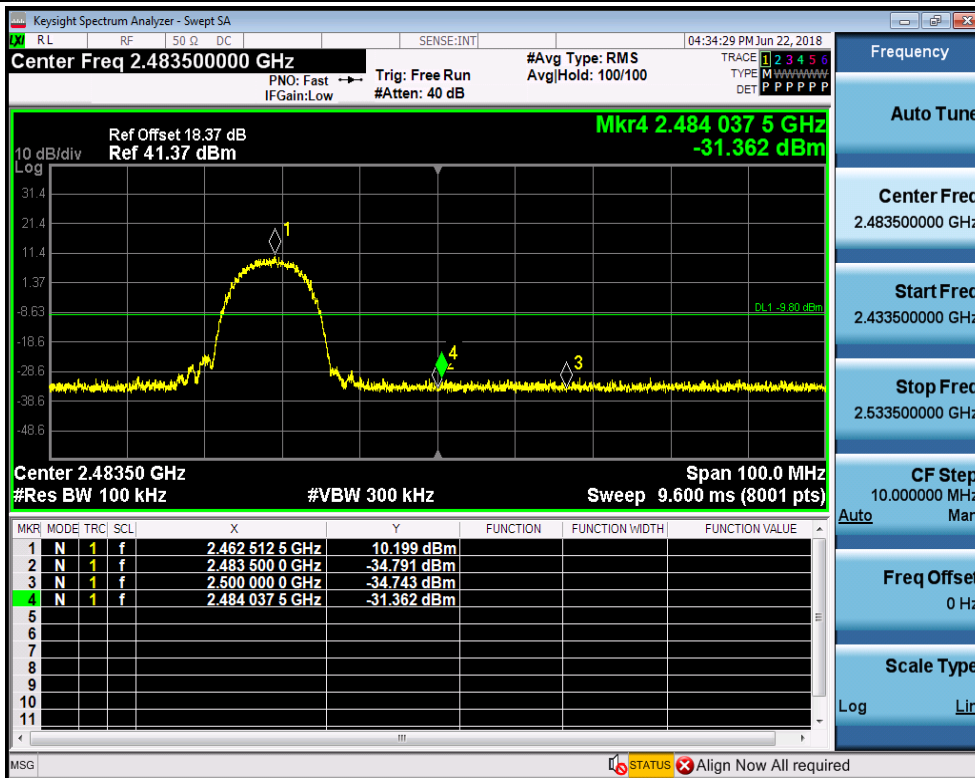
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	8.566	-31.014	-11.43	PASS
11B	2462	Ant1	10.199	-31.362	-9.8	PASS
11G	2412	Ant1	3.037	-30.315	-16.96	PASS
11G	2462	Ant1	6.971	-30.625	-13.03	PASS
11N20SISO	2412	Ant1	1.158	-31.019	-18.84	PASS
11N20SISO	2462	Ant1	5.287	-31.168	-14.71	PASS

TEST PLOT

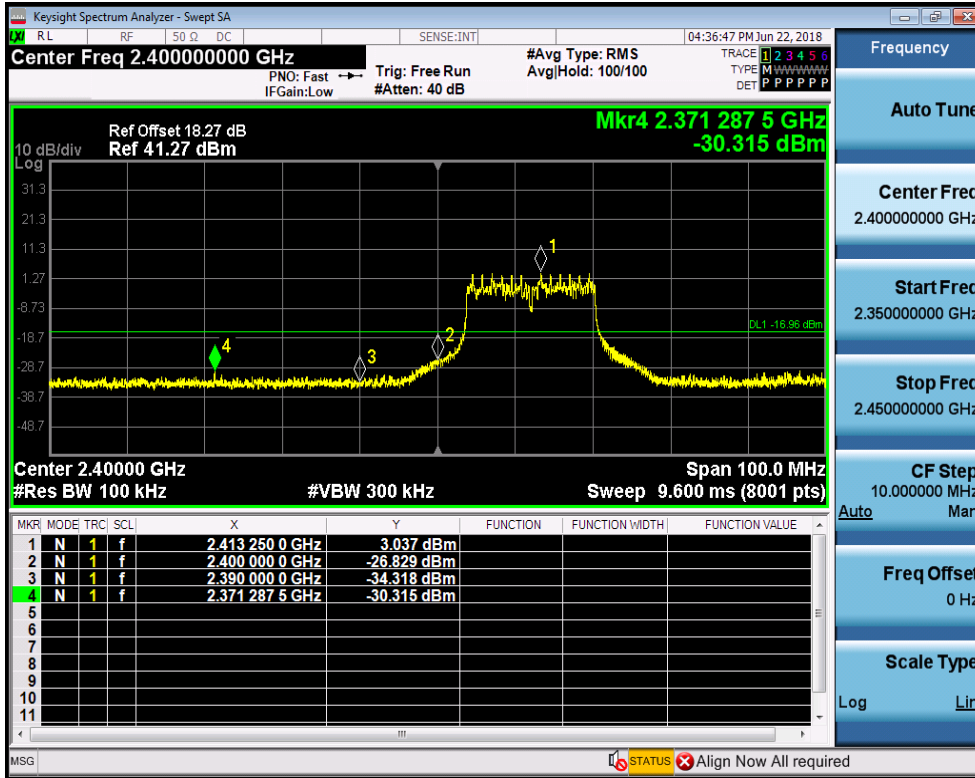
Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



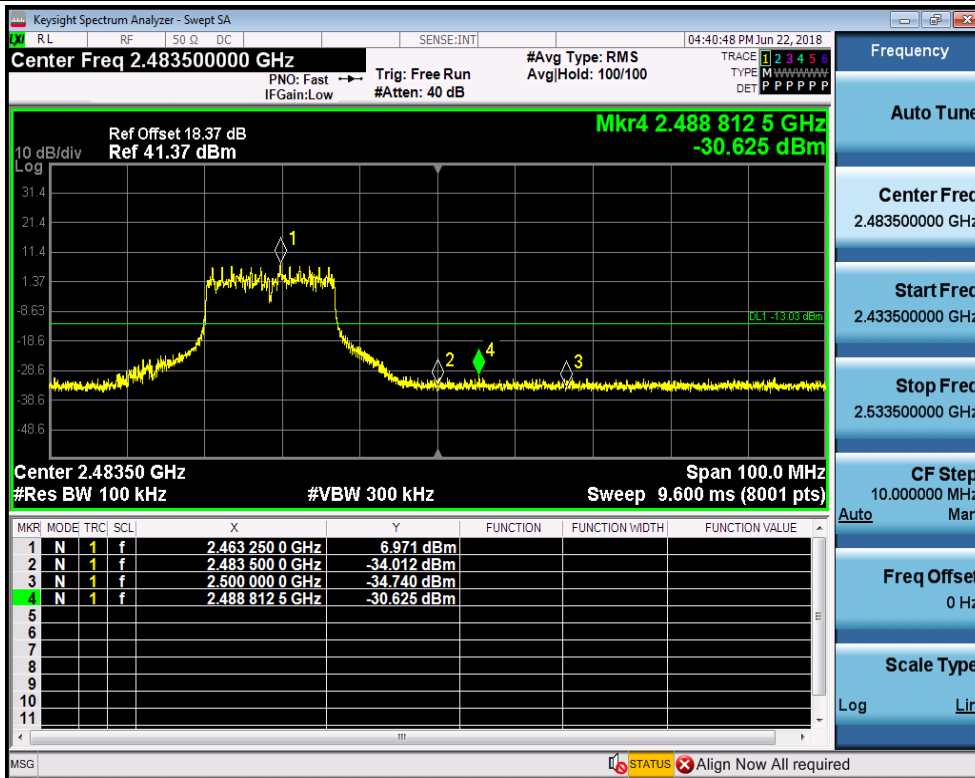
Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



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

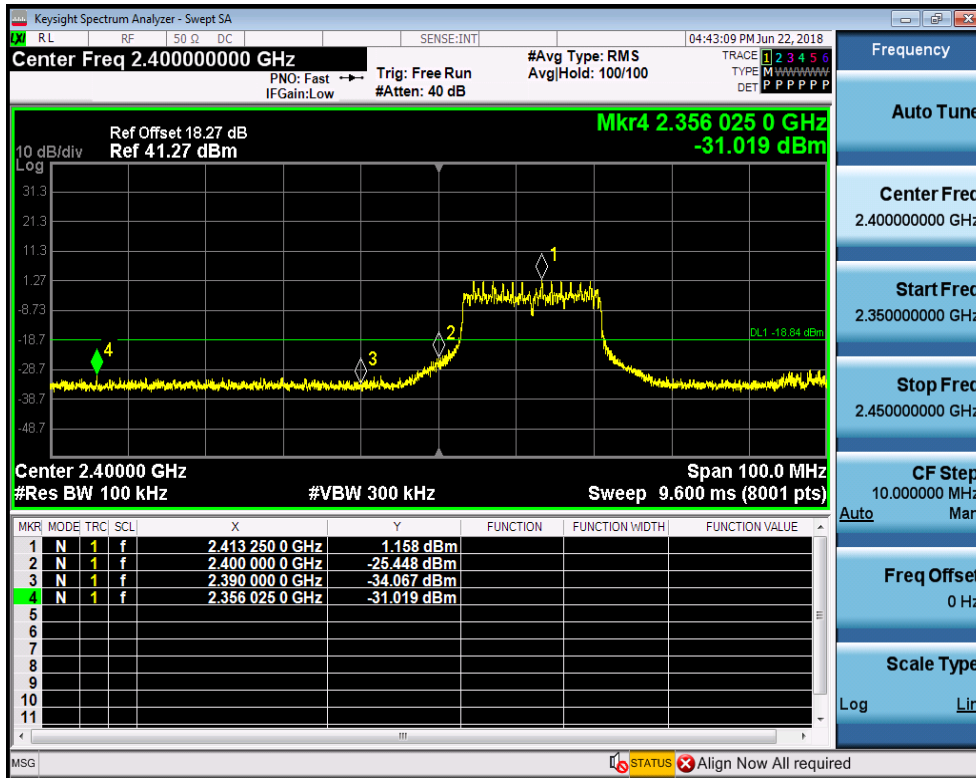


Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1

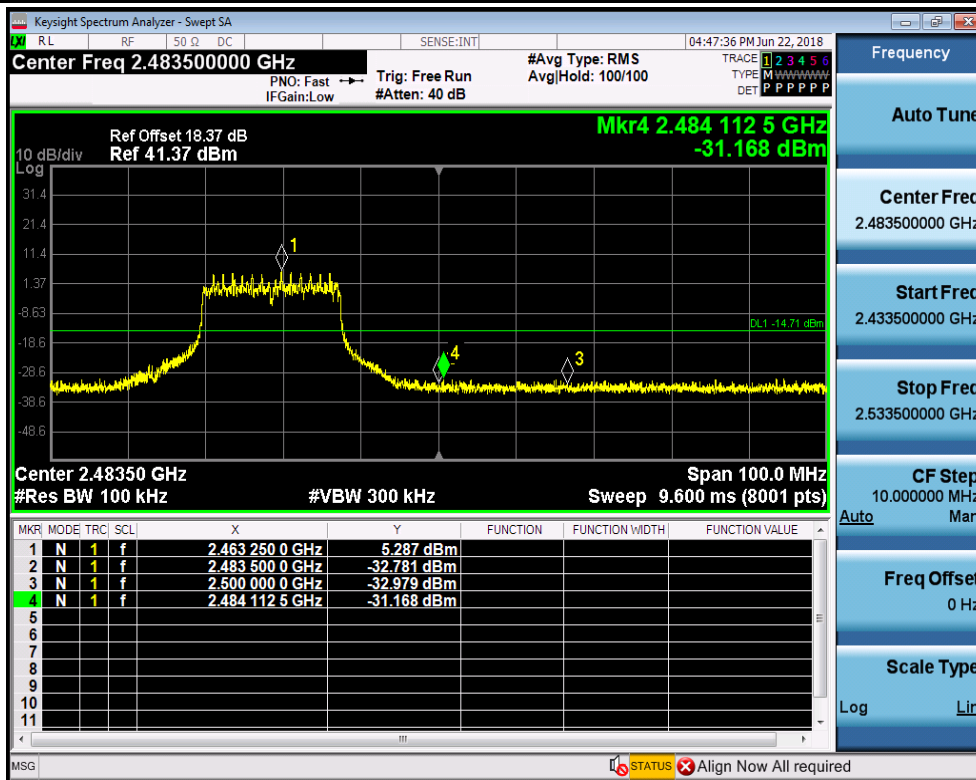




Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1

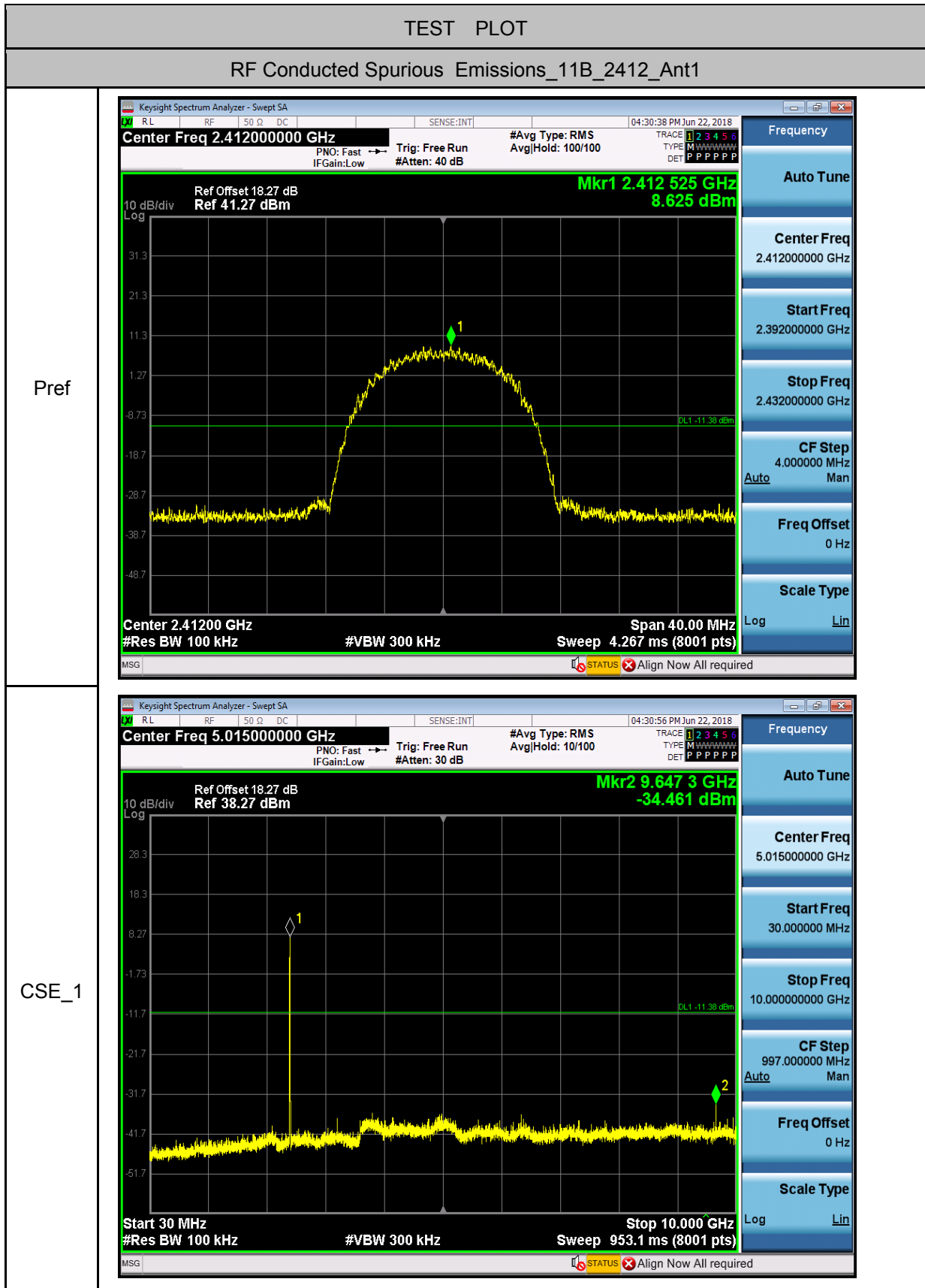


Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1

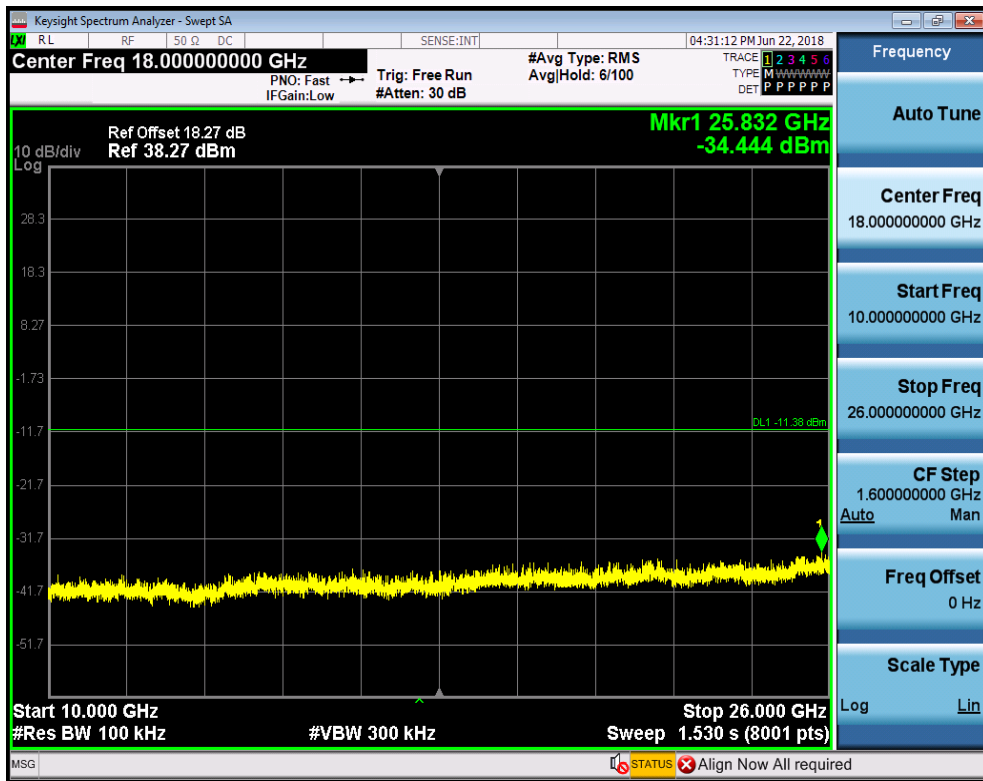


**5.RF Conducted Spurious Emissions**

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	8.625	-34.461	<- 11.375	PASS
11B	2412	Ant1	10000	26000	100	300	8.625	-34.444	<- 11.375	PASS
11B	2442	Ant1	30	10000	100	300	8.463	-32.906	<- 11.537	PASS
11B	2442	Ant1	10000	26000	100	300	8.463	-34.148	<- 11.537	PASS
11B	2462	Ant1	30	10000	100	300	10.355	-33.489	<- 9.645	PASS
11B	2462	Ant1	10000	26000	100	300	10.355	-33.778	<- 9.645	PASS
11G	2412	Ant1	30	10000	100	300	2.958	-36.068	<- 17.042	PASS
11G	2412	Ant1	10000	26000	100	300	2.958	-34.446	<- 17.042	PASS
11G	2442	Ant1	30	10000	100	300	5.072	-36.701	<- 14.928	PASS
11G	2442	Ant1	10000	26000	100	300	5.072	-33.313	<- 14.928	PASS
11G	2462	Ant1	30	10000	100	300	6.997	-36.797	<- 13.003	PASS
11G	2462	Ant1	10000	26000	100	300	6.997	-34.120	<- 13.003	PASS
11N20SISO	2412	Ant1	30	10000	100	300	1.148	-35.119	<- 18.852	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	1.148	-33.544	<- 18.852	PASS
11N20SISO	2442	Ant1	30	10000	100	300	1.04	-35.476	<- 18.96	PASS
11N20SISO	2442	Ant1	10000	26000	100	300	1.04	-34.151	<- 18.96	PASS
11N20SISO	2462	Ant1	30	10000	100	300	5.277	-33.512	<- 14.723	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	5.277	-34.257	<- 14.723	PASS

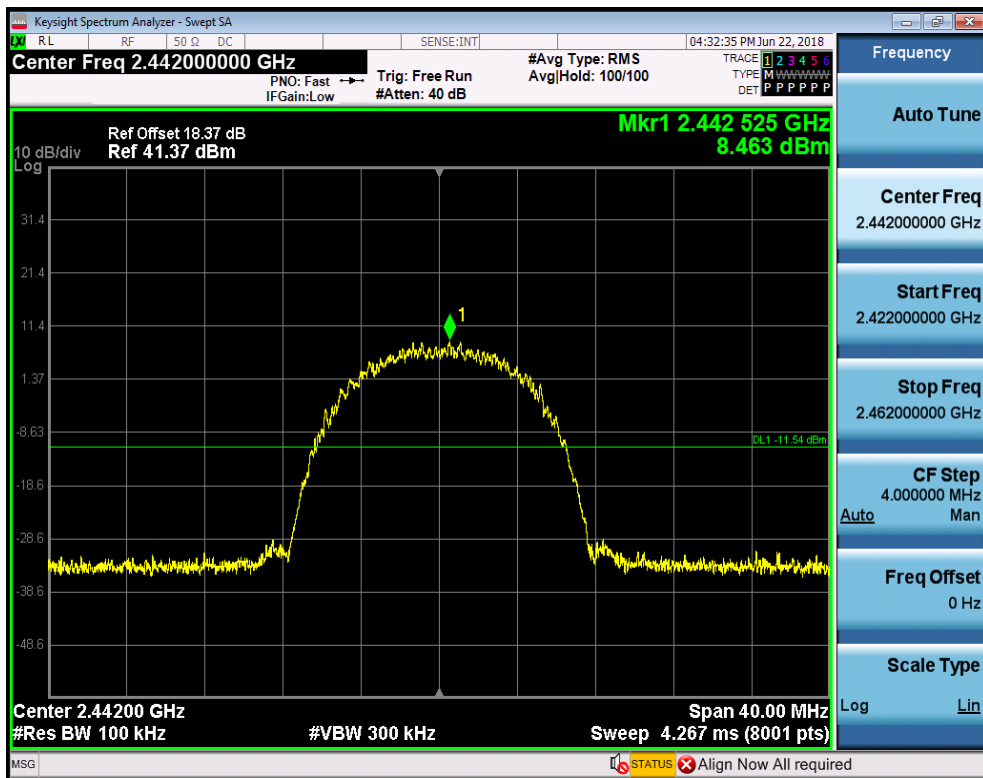


CSE\_2



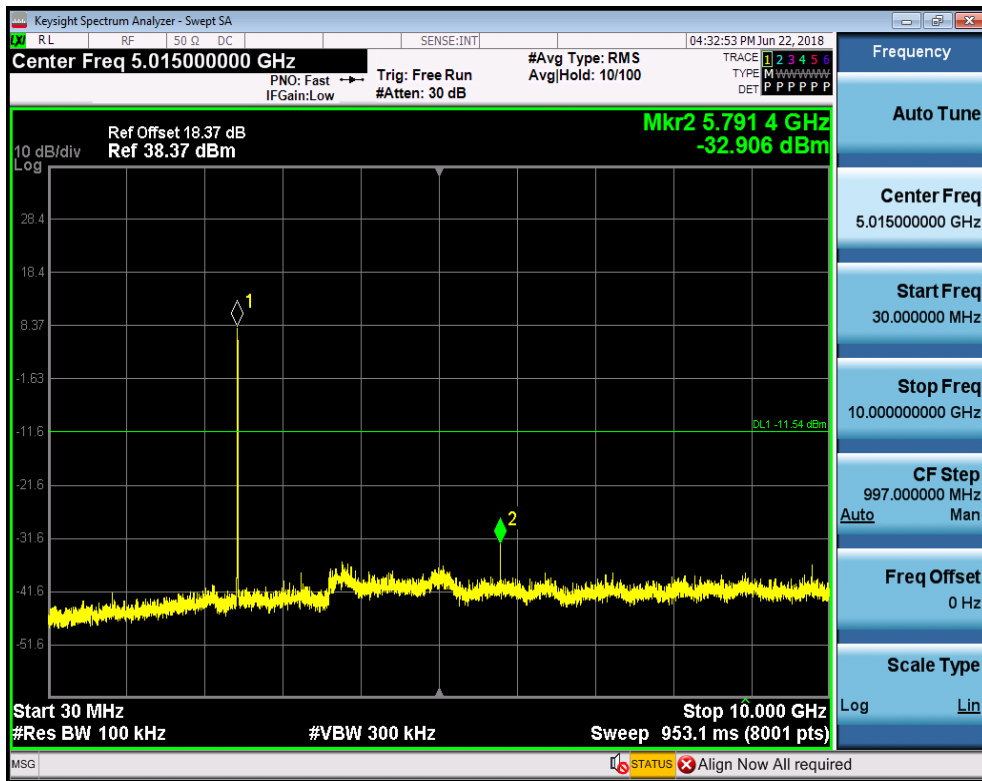
RF Conducted Spurious Emissions\_11B\_2442\_Ant1

Pref

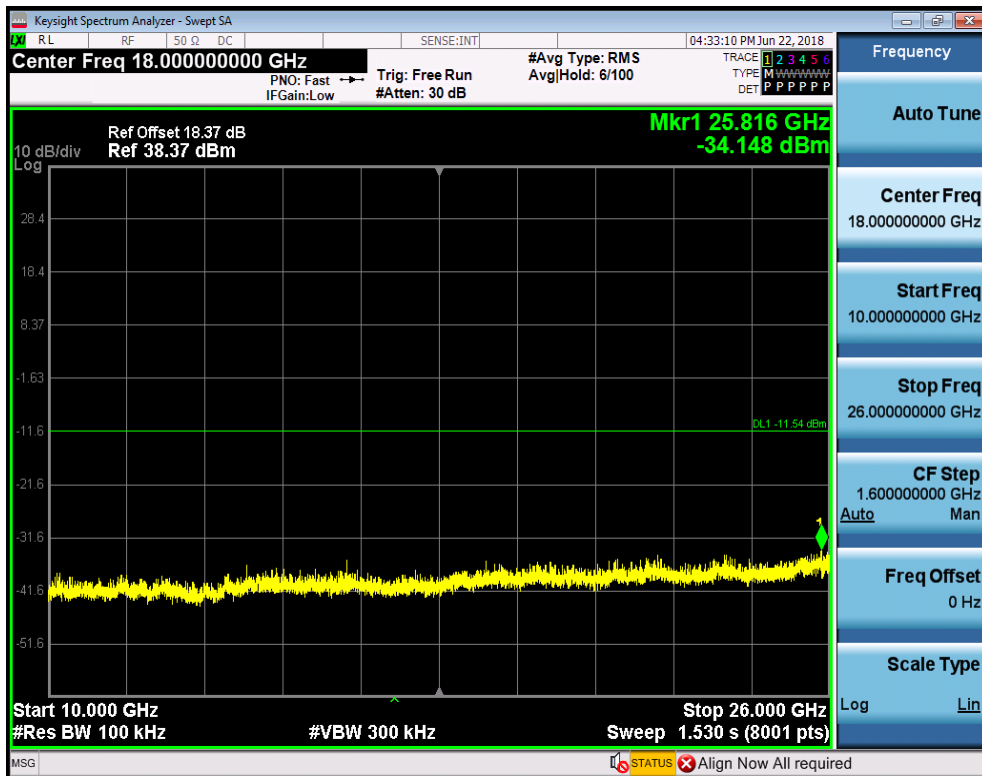




CSE\_1

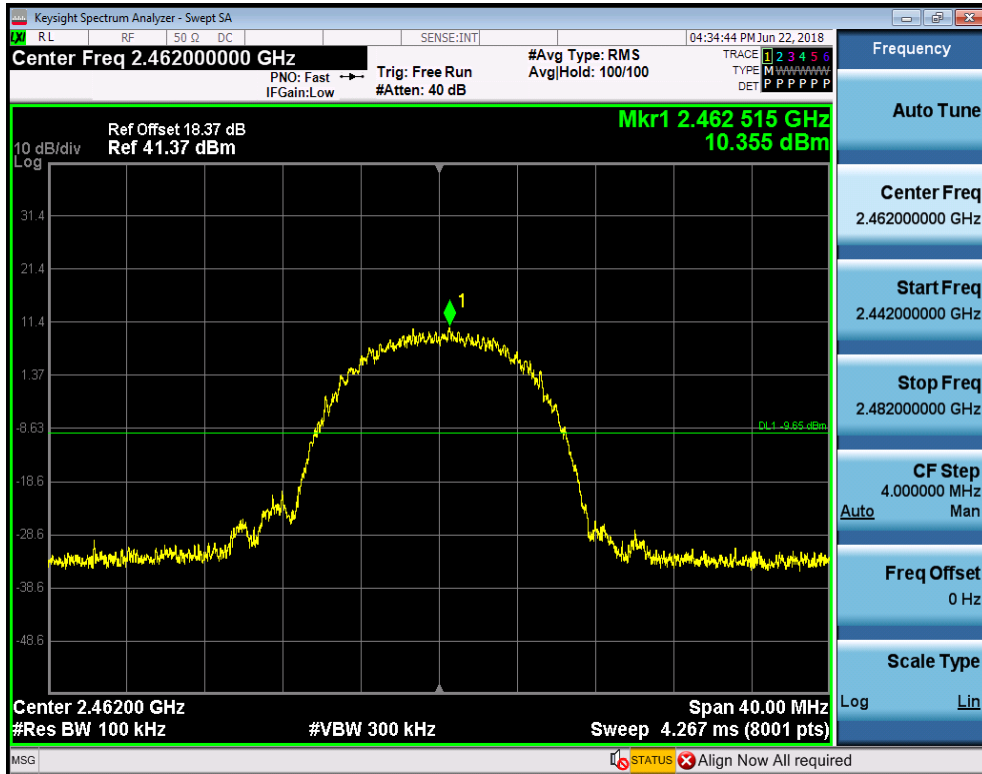


CSE\_2

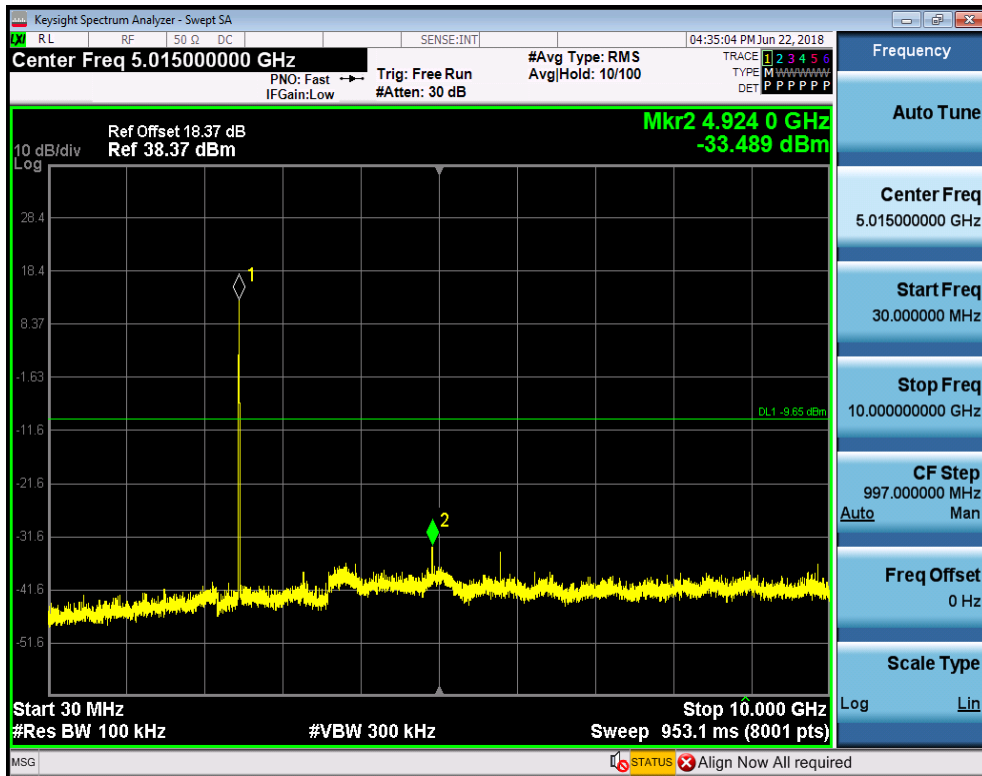


RF Conducted Spurious Emissions\_11B\_2462\_Ant1

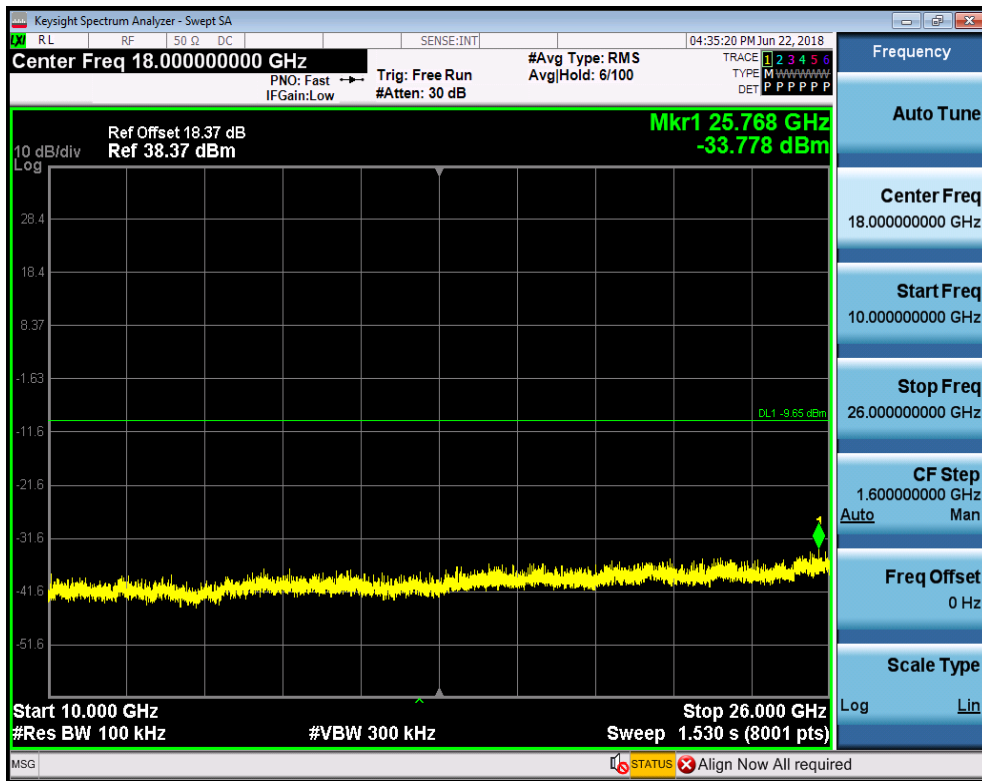
Pref



CSE\_1

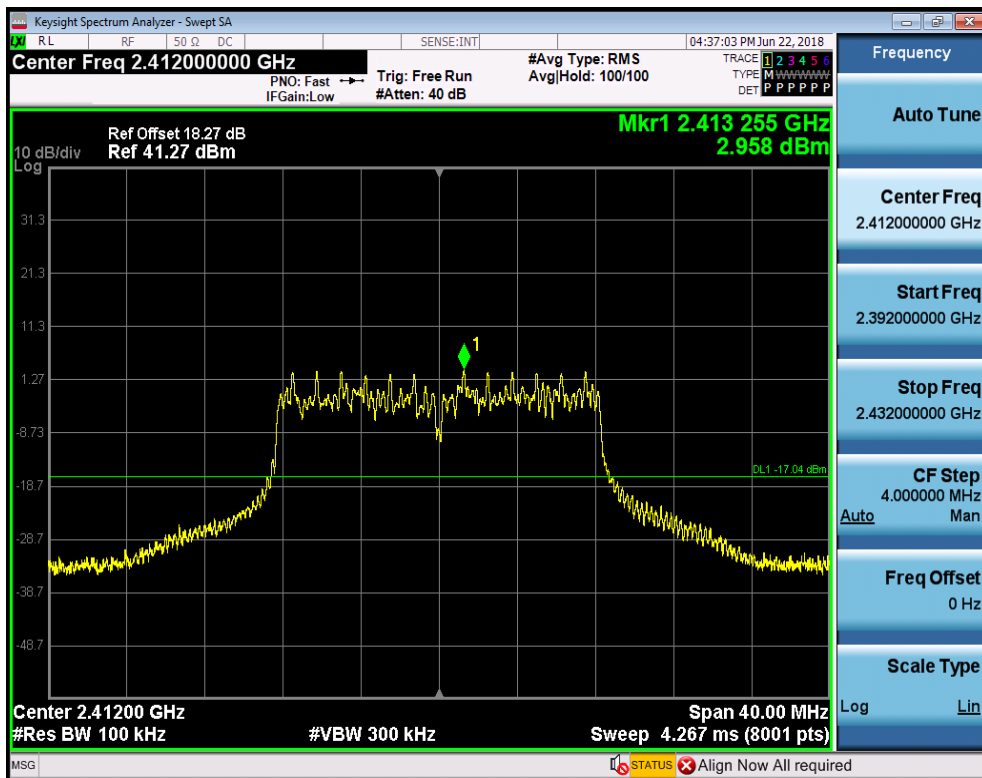


CSE\_2

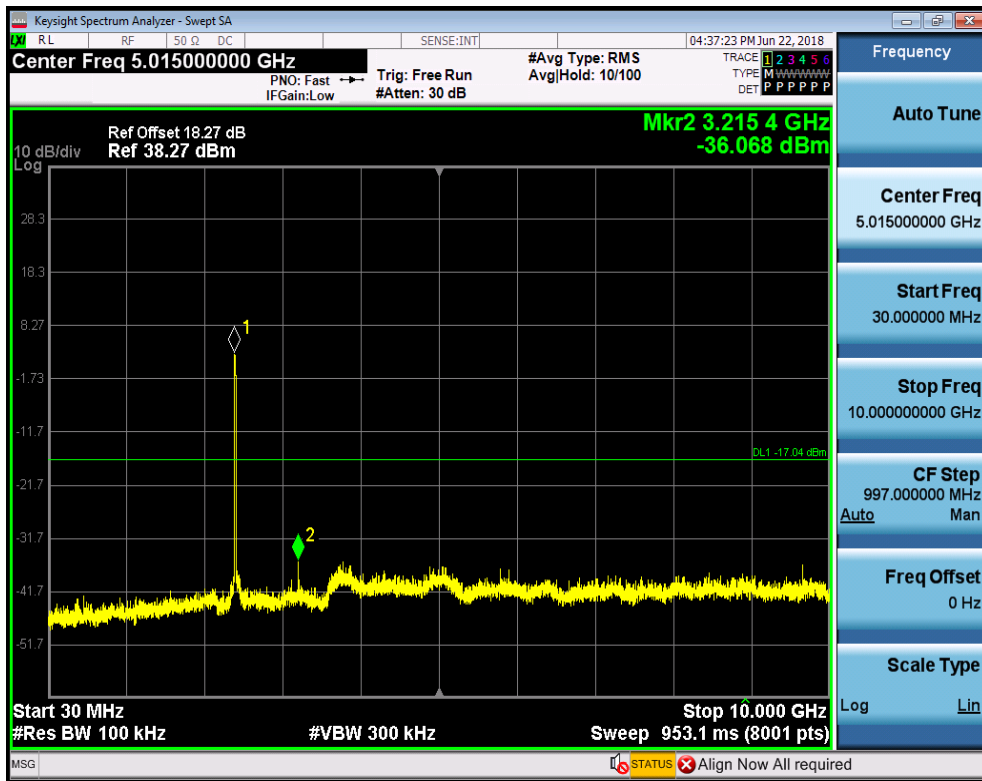


RF Conducted Spurious Emissions\_11G\_2412\_Ant1

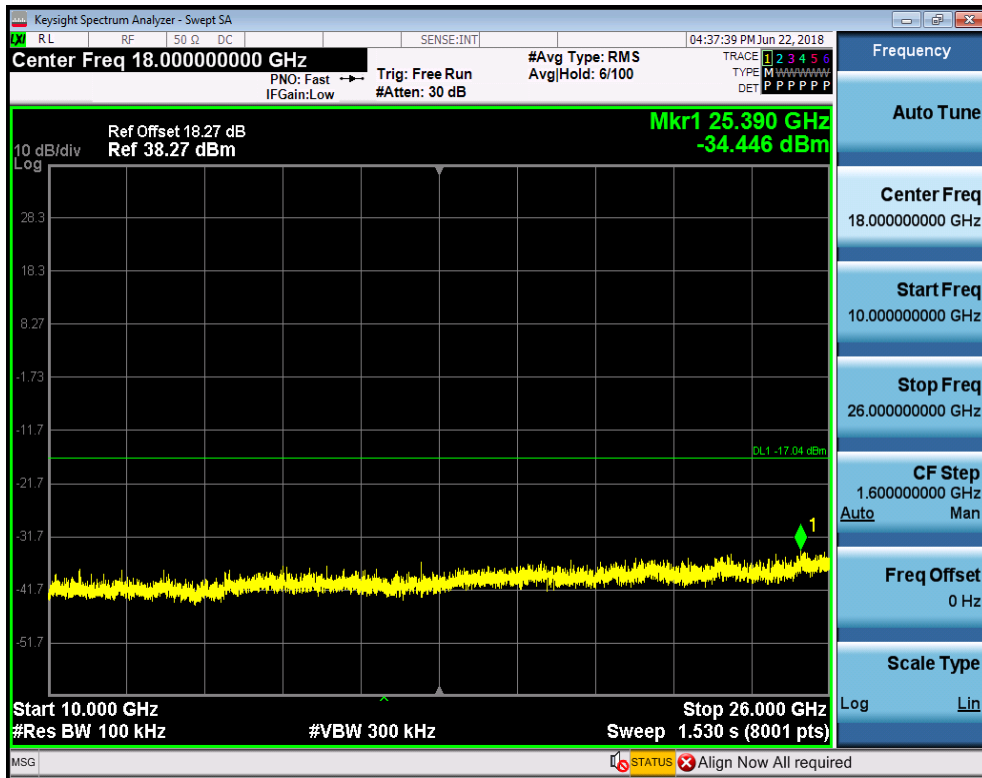
Pref



CSE\_1



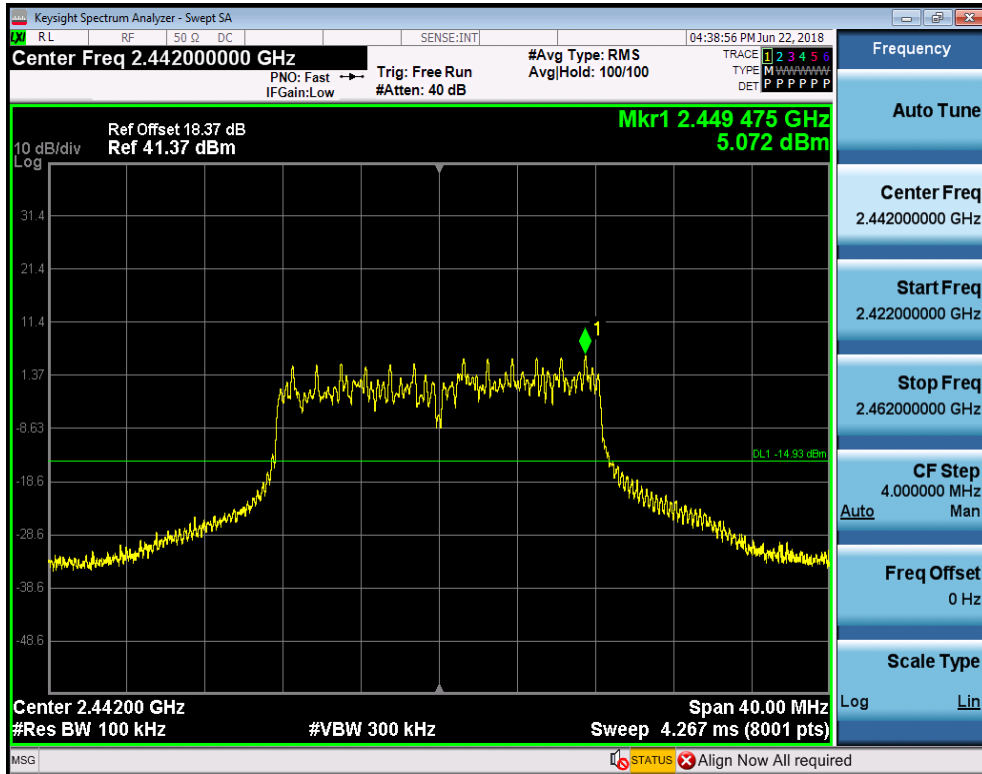
CSE\_2



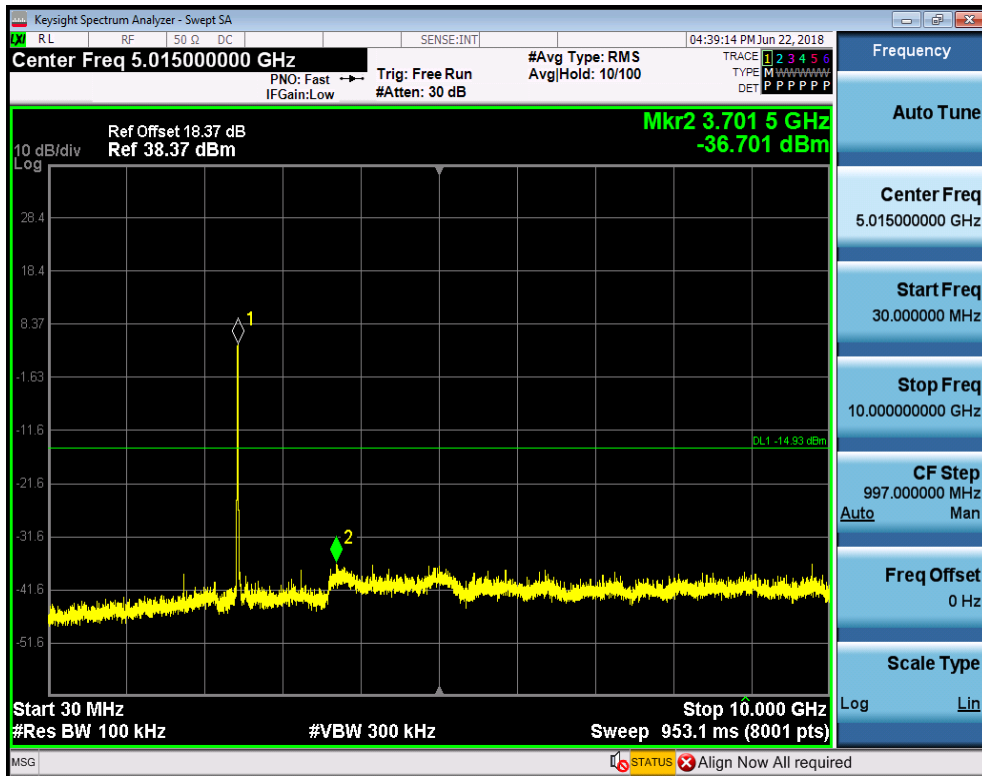


RF Conducted Spurious Emissions\_11G\_2442\_Ant1

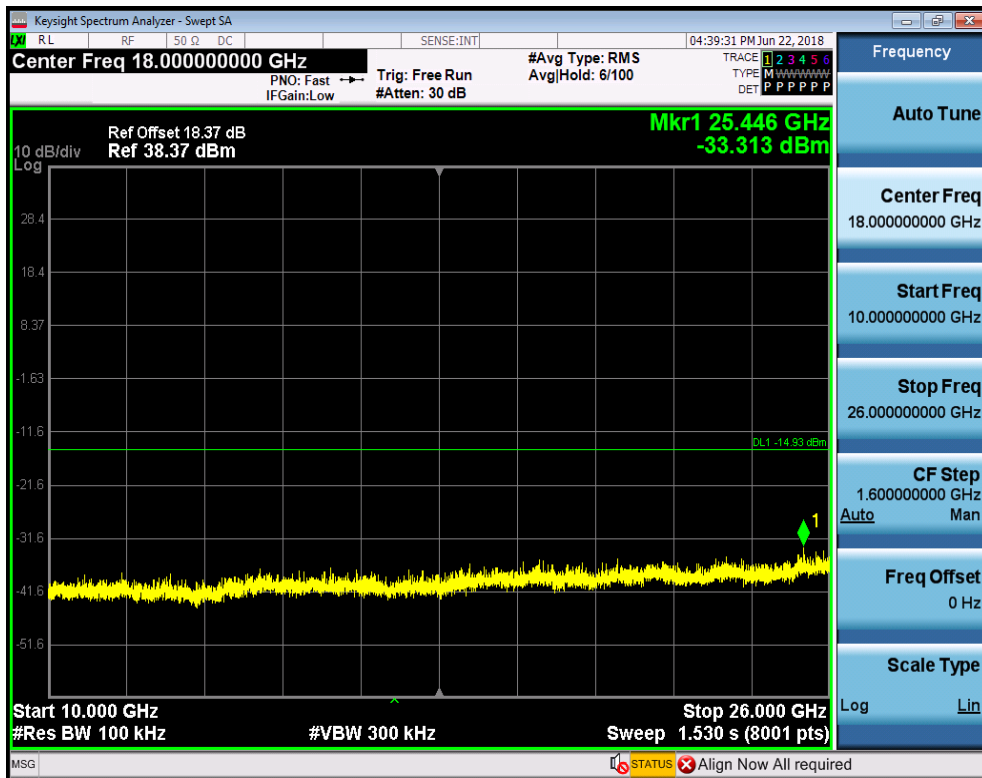
Pref



CSE\_1

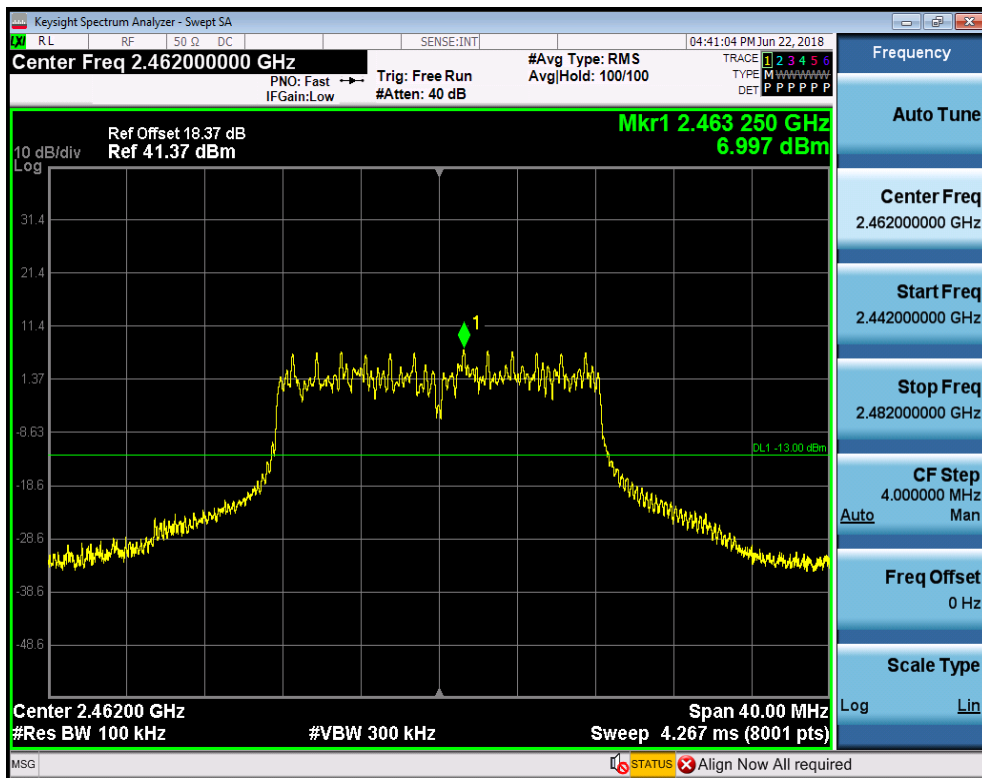


CSE\_2

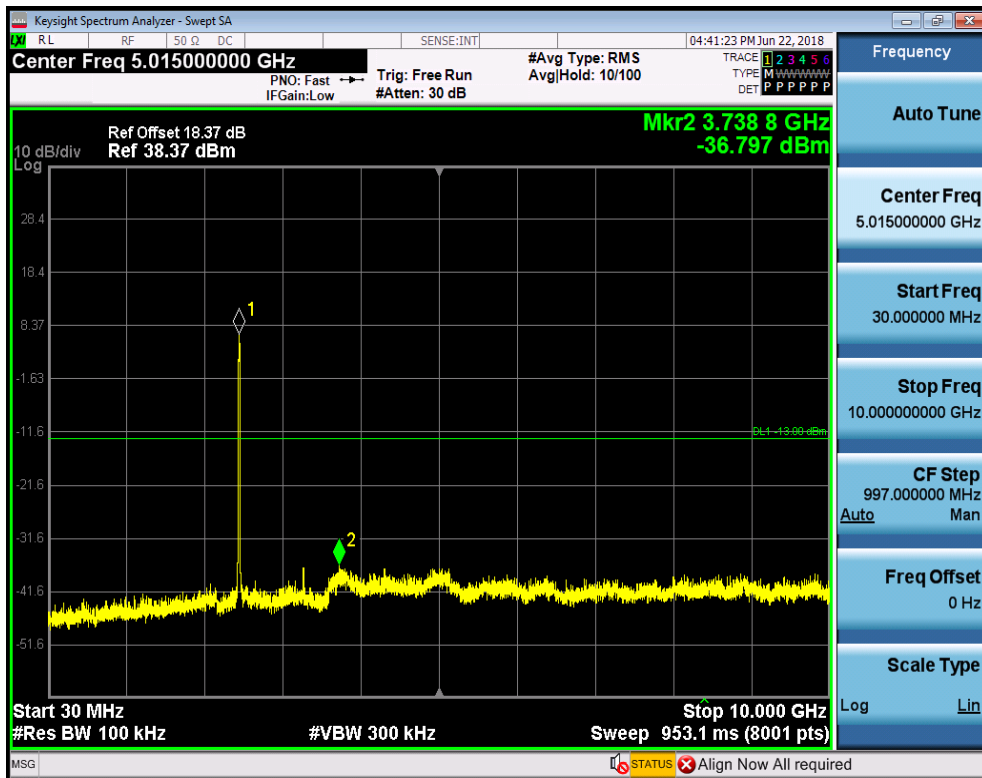


RF Conducted Spurious Emissions\_11G\_2462\_Ant1

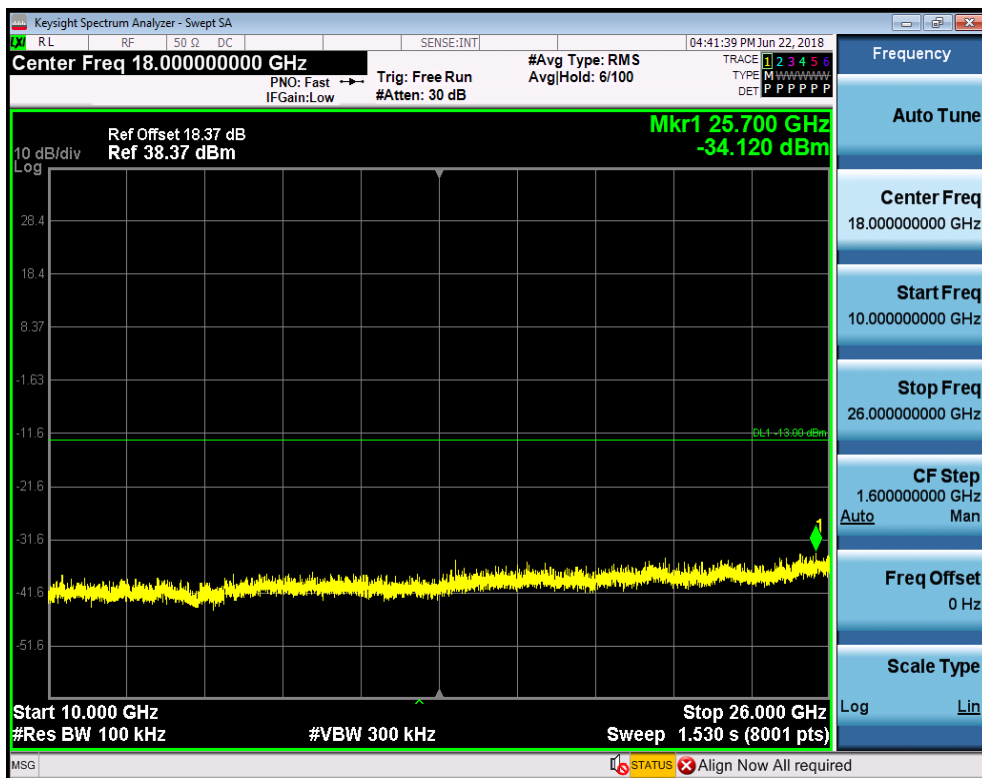
Pref



CSE\_1

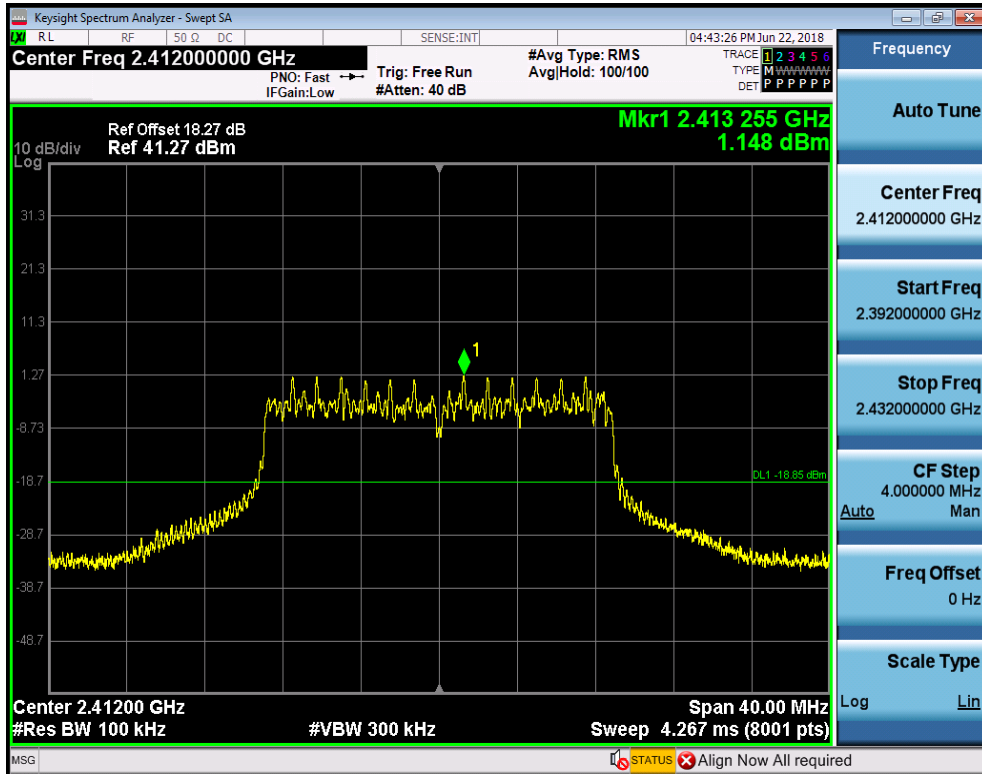


CSE\_2

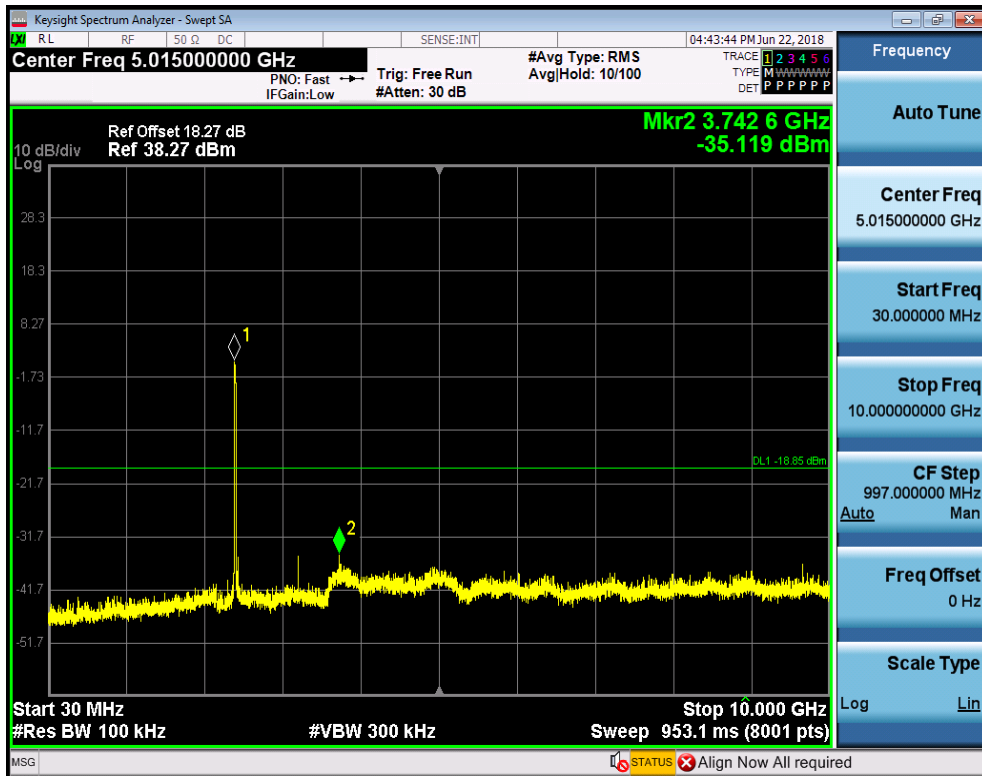


RF Conducted Spurious Emissions\_11N20SISO\_2412\_Ant1

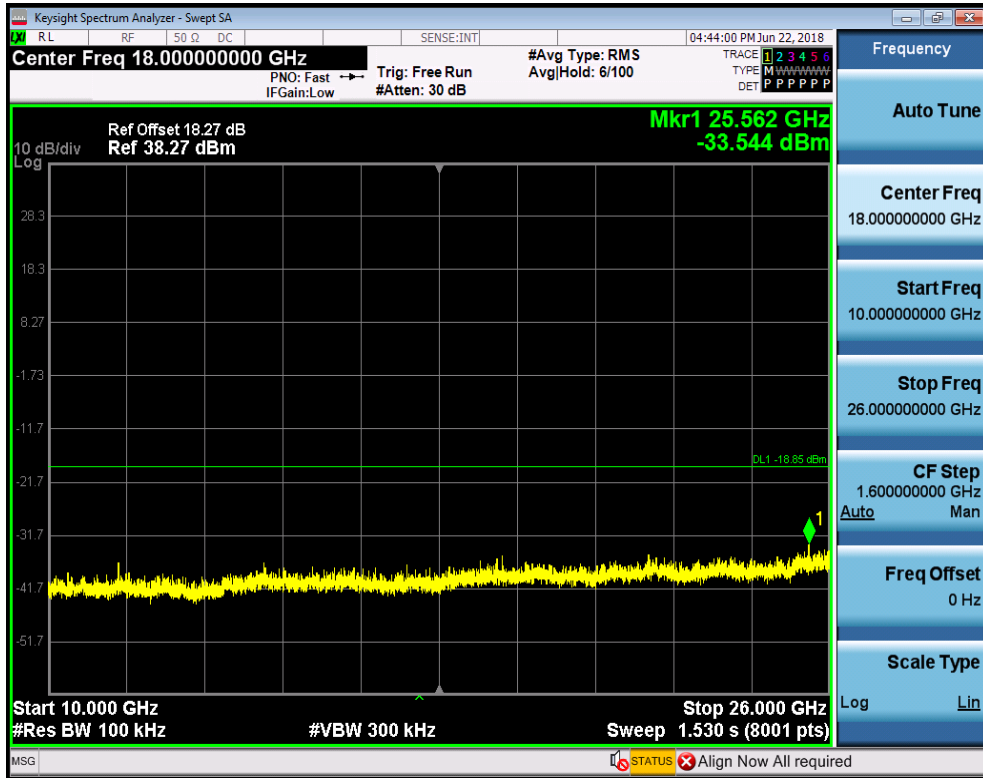
Pref



CSE\_1

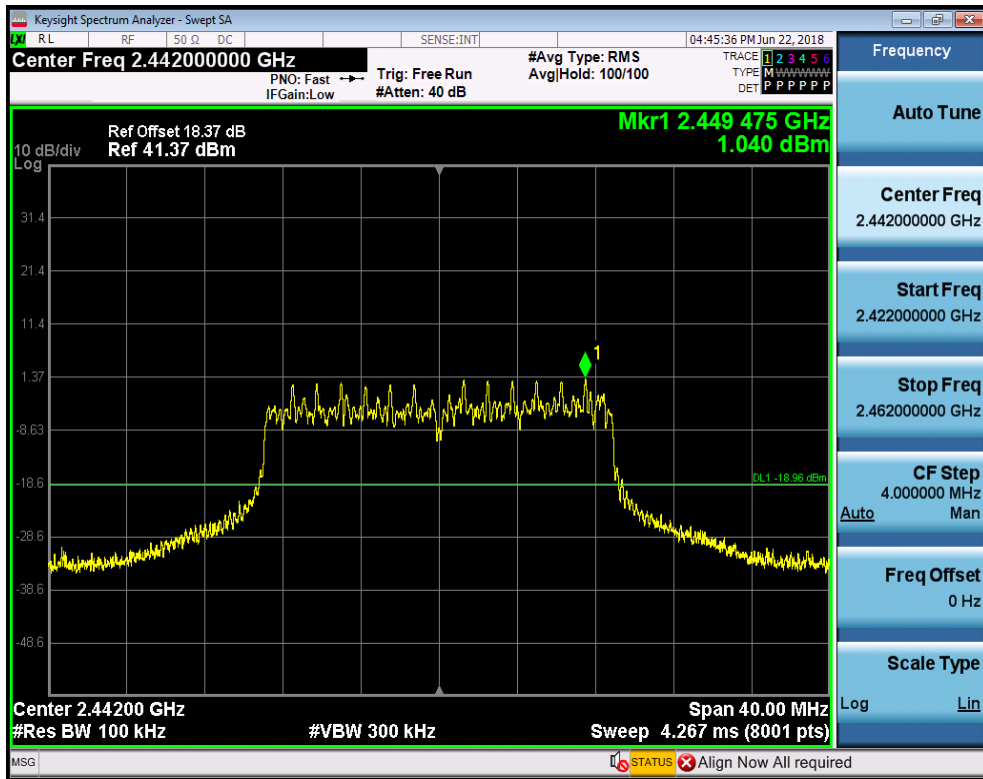


CSE\_2



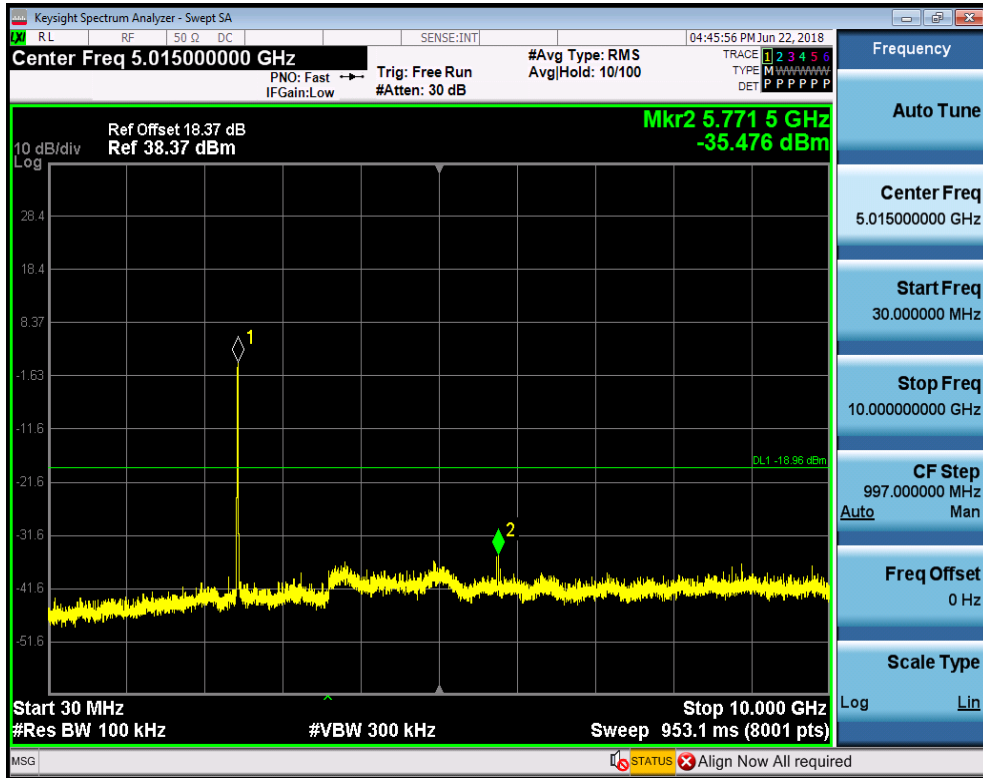
RF Conducted Spurious Emissions\_11N20SISO\_2442\_Ant1

Pref

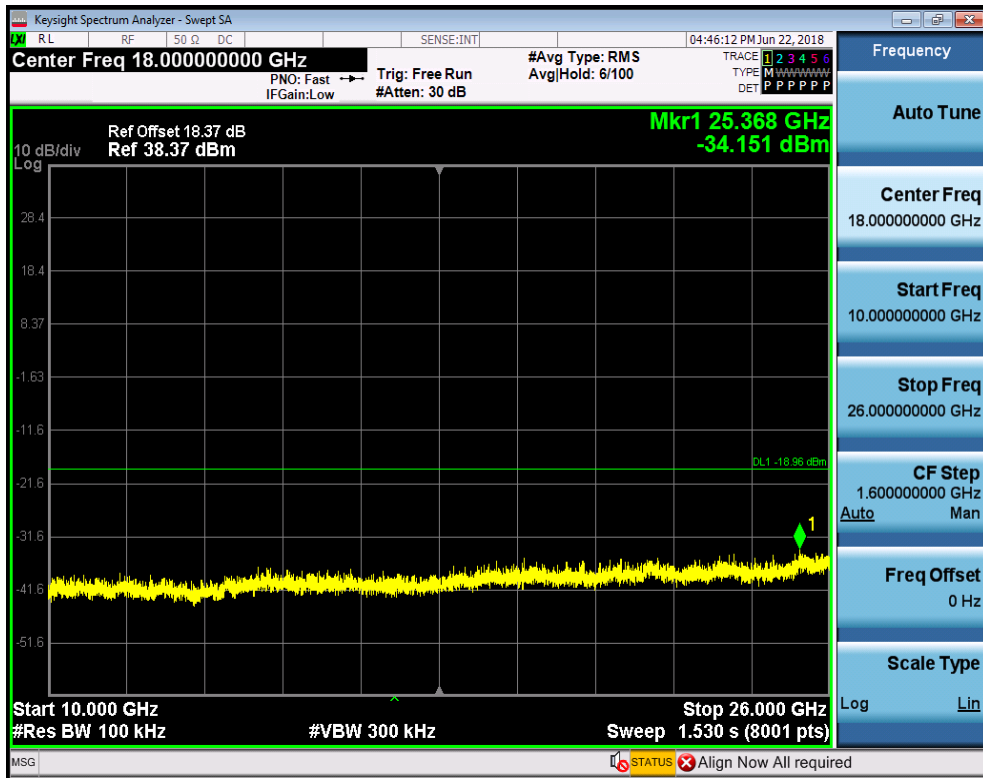




CSE\_1

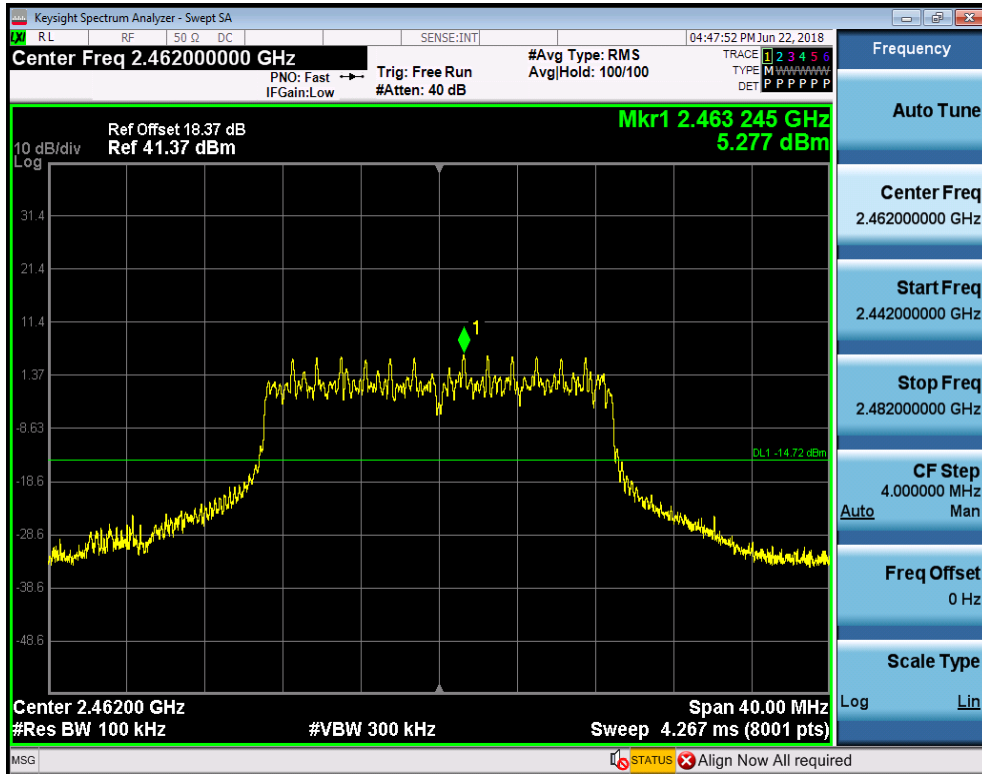


CSE\_2

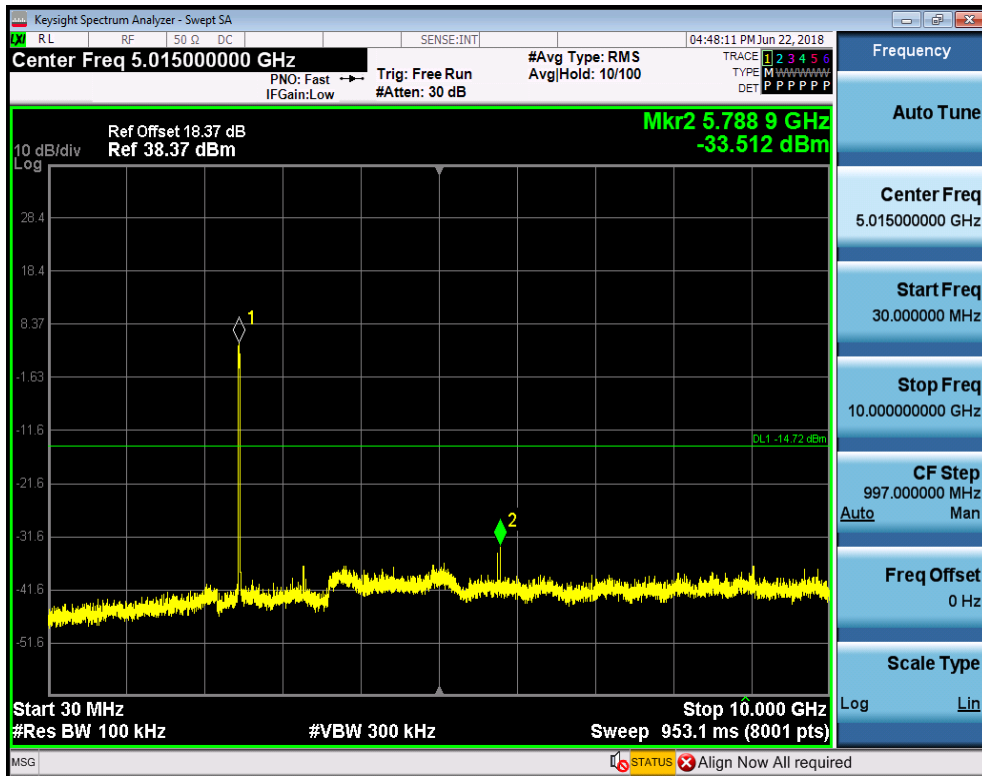


RF Conducted Spurious Emissions\_11N20SISO\_2462\_Ant1

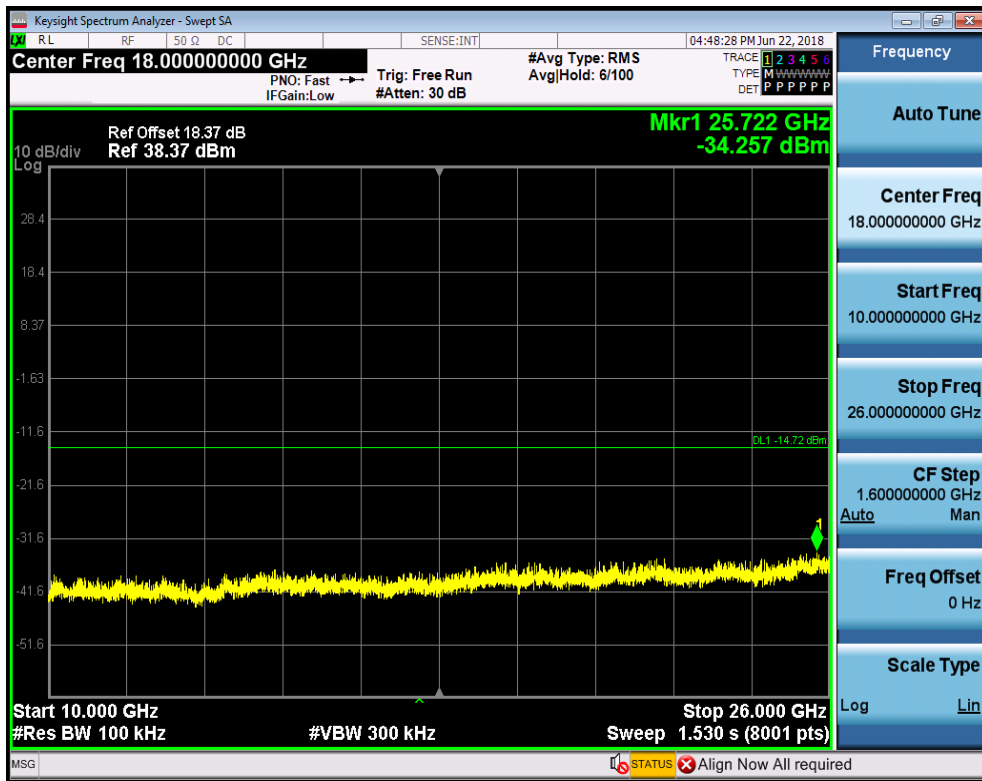
Pref



CSE\_1



CSE\_2



--End of Report--