

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

Freq	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2774.030	37.42	27.43	3.68	37.26	31.27	54.00	-22.73	HORIZONTAL Average
2	2774.030	46.81	27.43	3.68	37.26	40.66	74.00	-33.34	HORIZONTAL Peak
3	3693.033	35.95	28.47	4.55	36.93	32.04	54.00	-21.96	HORIZONTAL Average
4	3693.033	44.96	28.47	4.55	36.93	41.05	74.00	-32.95	HORIZONTAL Peak
5	4884.946	34.18	30.95	5.52	36.95	33.70	54.00	-20.30	HORIZONTAL Average
6	4884.946	44.77	30.95	5.52	36.95	44.29	74.00	-29.71	HORIZONTAL Peak
7	7326.006	34.56	35.74	6.13	36.92	39.51	54.00	-14.49	HORIZONTAL Average
8	7326.006	44.82	35.74	6.13	36.92	49.77	74.00	-24.23	HORIZONTAL Peak
9	9768.525	36.27	37.74	7.01	37.09	43.93	54.00	-10.07	HORIZONTAL Average
10	9768.525	45.51	37.74	7.01	37.09	53.17	74.00	-20.83	HORIZONTAL Peak
11	12210.740	35.97	39.21	8.08	37.06	46.20	54.00	-7.80	HORIZONTAL Average
12	12210.740	44.37	39.21	8.08	37.06	54.60	74.00	-19.40	HORIZONTAL Peak

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

Freq	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2774.030	38.29	27.43	3.68	37.26	32.14	54.00	-21.86	VERTICAL Average
2	2774.030	46.78	27.43	3.68	37.26	40.63	74.00	-33.37	VERTICAL Peak
3	3823.371	37.11	29.08	4.60	36.91	33.88	54.00	-20.12	VERTICAL Average
4	3823.371	45.01	29.08	4.60	36.91	41.78	74.00	-32.22	VERTICAL Peak
5	4884.993	37.24	30.95	5.52	36.95	36.76	54.00	-17.24	VERTICAL Average
6	4884.993	45.20	30.95	5.52	36.95	44.72	74.00	-29.28	VERTICAL Peak
7	7326.349	34.79	35.74	6.13	36.92	39.74	54.00	-14.26	VERTICAL Average
8	7326.349	44.75	35.74	6.13	36.92	49.70	74.00	-24.30	VERTICAL Peak
9	9768.151	38.25	37.74	7.01	37.09	45.91	54.00	-8.09	VERTICAL Average
10	9768.151	45.88	37.74	7.01	37.09	53.54	74.00	-20.46	VERTICAL Peak
11	12210.710	34.77	39.21	8.08	37.06	45.00	54.00	-9.00	VERTICAL Average
12	12210.710	44.52	39.21	8.08	37.06	54.75	74.00	-19.25	VERTICAL Peak

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Freq	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2774.030	37.49	27.43	3.68	37.26	31.34	54.00	-22.66	HORIZONTAL Average
2	2774.030	46.81	27.43	3.68	37.26	40.66	74.00	-33.34	HORIZONTAL Peak
3	3845.537	38.37	29.15	4.60	36.91	35.21	54.00	-18.79	HORIZONTAL Average
4	3845.537	45.18	29.15	4.60	36.91	42.02	74.00	-31.98	HORIZONTAL Peak
5	4904.490	36.28	30.97	5.55	36.95	35.85	54.00	-18.15	HORIZONTAL Average
6	4904.490	46.25	30.97	5.55	36.95	45.82	74.00	-28.18	HORIZONTAL Peak
7	7356.006	34.61	35.78	6.15	36.92	39.62	54.00	-14.38	HORIZONTAL Average
8	7356.006	44.76	35.78	6.15	36.92	49.77	74.00	-24.23	HORIZONTAL Peak
9	9808.151	36.28	37.79	7.00	37.09	43.98	54.00	-10.02	HORIZONTAL Average
10	9808.151	45.07	37.79	7.00	37.09	52.77	74.00	-21.23	HORIZONTAL Peak
11	12260.740	34.67	39.15	8.06	37.03	44.85	54.00	-9.15	HORIZONTAL Average
12	12260.740	44.42	39.15	8.06	37.03	54.60	74.00	-19.40	HORIZONTAL Peak

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

Freq	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3177.672	38.60	27.90	3.99	37.01	33.48	54.00	-20.52	VERTICAL Average
2	3177.672	47.30	27.90	3.99	37.01	42.18	74.00	-31.82	VERTICAL Peak
3	3823.371	36.05	29.08	4.60	36.91	32.82	54.00	-21.18	VERTICAL Average
4	3823.371	45.01	29.08	4.60	36.91	41.78	74.00	-32.22	VERTICAL Peak
5	4904.419	35.24	30.97	5.55	36.95	34.81	54.00	-19.19	VERTICAL Average
6	4904.419	44.85	30.97	5.55	36.95	44.42	74.00	-29.58	VERTICAL Peak
7	7356.114	35.22	35.78	6.15	36.92	40.23	54.00	-13.77	VERTICAL Average
8	7356.114	44.85	35.78	6.15	36.92	49.86	74.00	-24.14	VERTICAL Peak
9	9808.151	36.94	37.79	7.00	37.09	44.64	54.00	-9.36	VERTICAL Average
10	9808.151	45.84	37.79	7.00	37.09	53.54	74.00	-20.46	VERTICAL Peak
11	12260.420	35.00	39.15	8.06	37.03	45.18	54.00	-8.82	VERTICAL Average
12	12260.420	44.01	39.15	8.06	37.03	54.19	74.00	-19.81	VERTICAL Peak

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## 8 Appendix

### 8.1 Appendix 15.247

#### 1.6dB Bandwidth

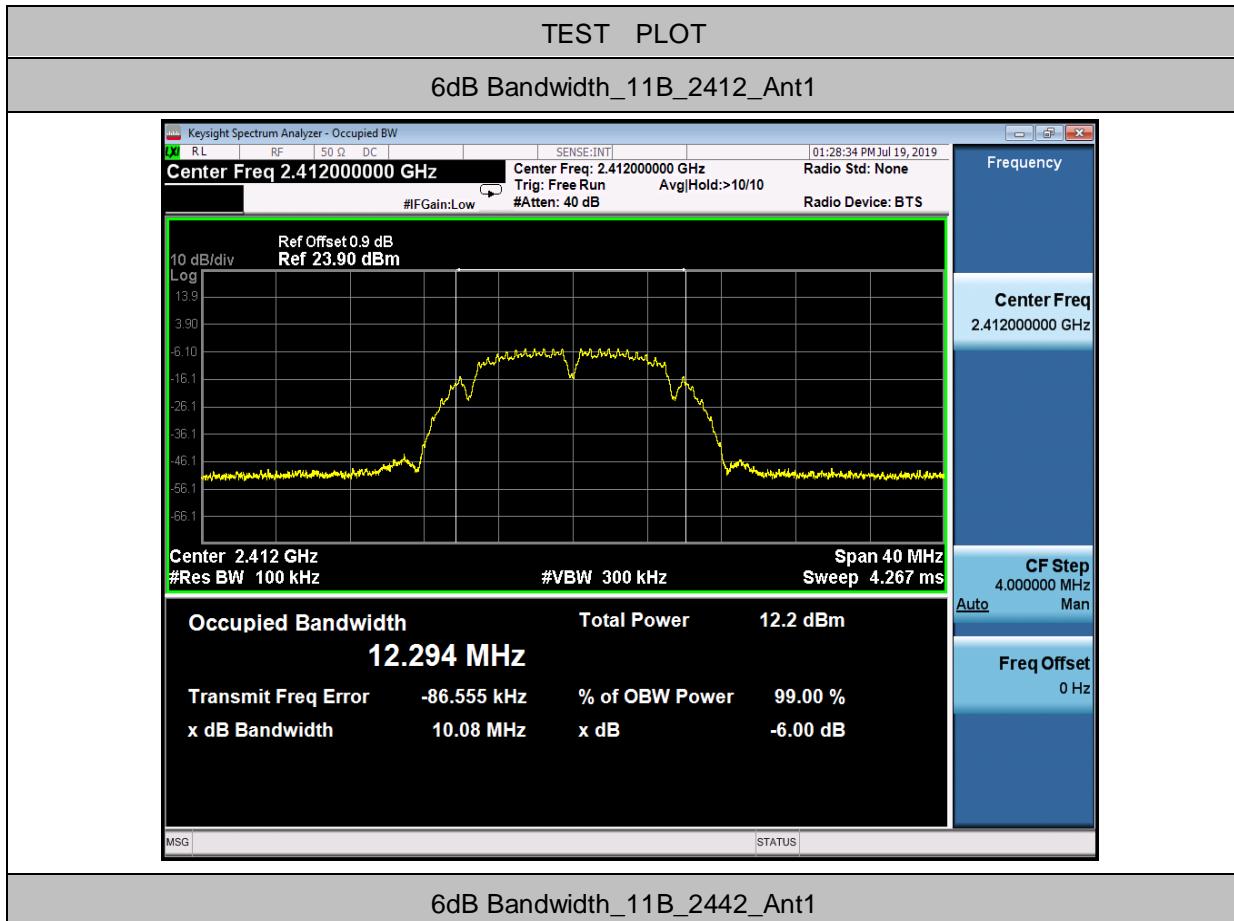
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11B	2462	Ant1	10.08	0.5	PASS
11G	2412	Ant1	16.36	0.5	PASS
11G	2442	Ant1	16.36	0.5	PASS
11G	2462	Ant1	16.35	0.5	PASS
11N20SISO	2412	Ant1	17.06	0.5	PASS
11N20SISO	2442	Ant1	17.06	0.5	PASS
11N20SISO	2462	Ant1	17.05	0.5	PASS
11N40SISO	2422	Ant1	35.31	0.5	PASS
11N40SISO	2442	Ant1	35.30	0.5	PASS
11N40SISO	2452	Ant1	35.16	0.5	PASS

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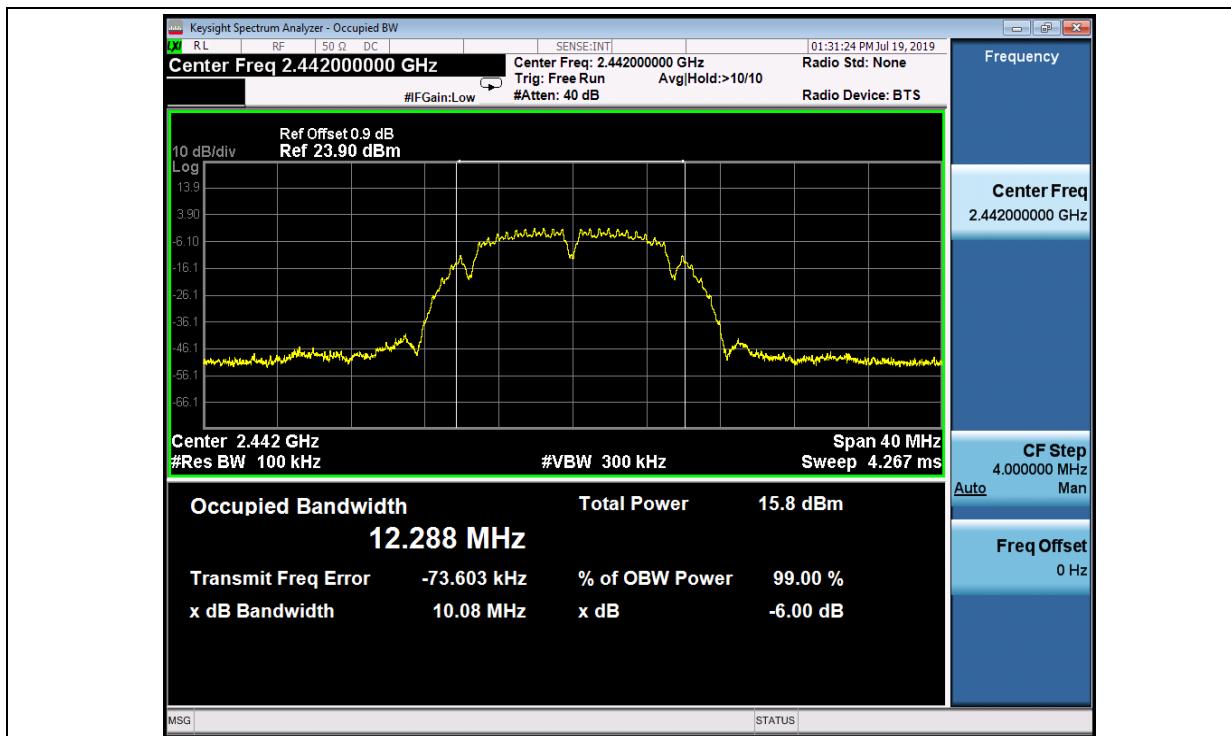
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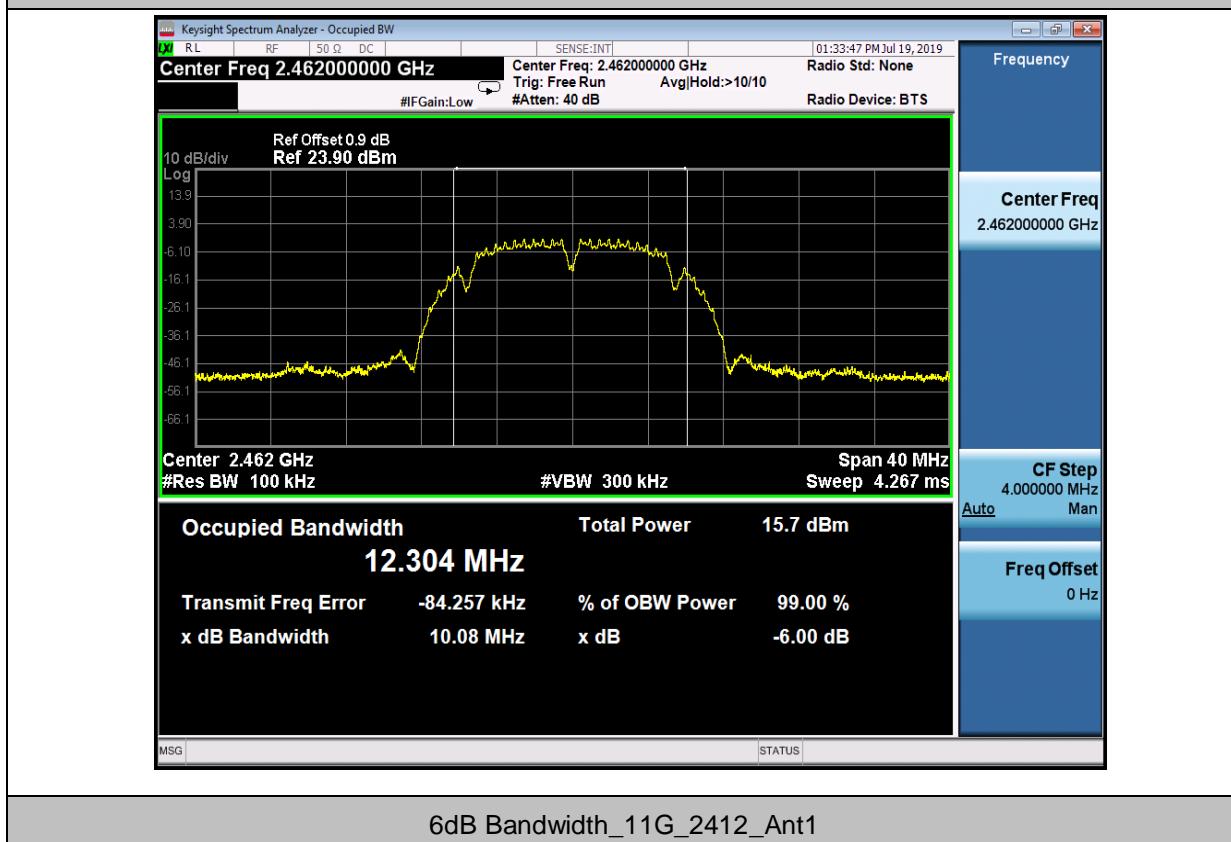


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## 6dB Bandwidth\_11B\_2462\_Ant1

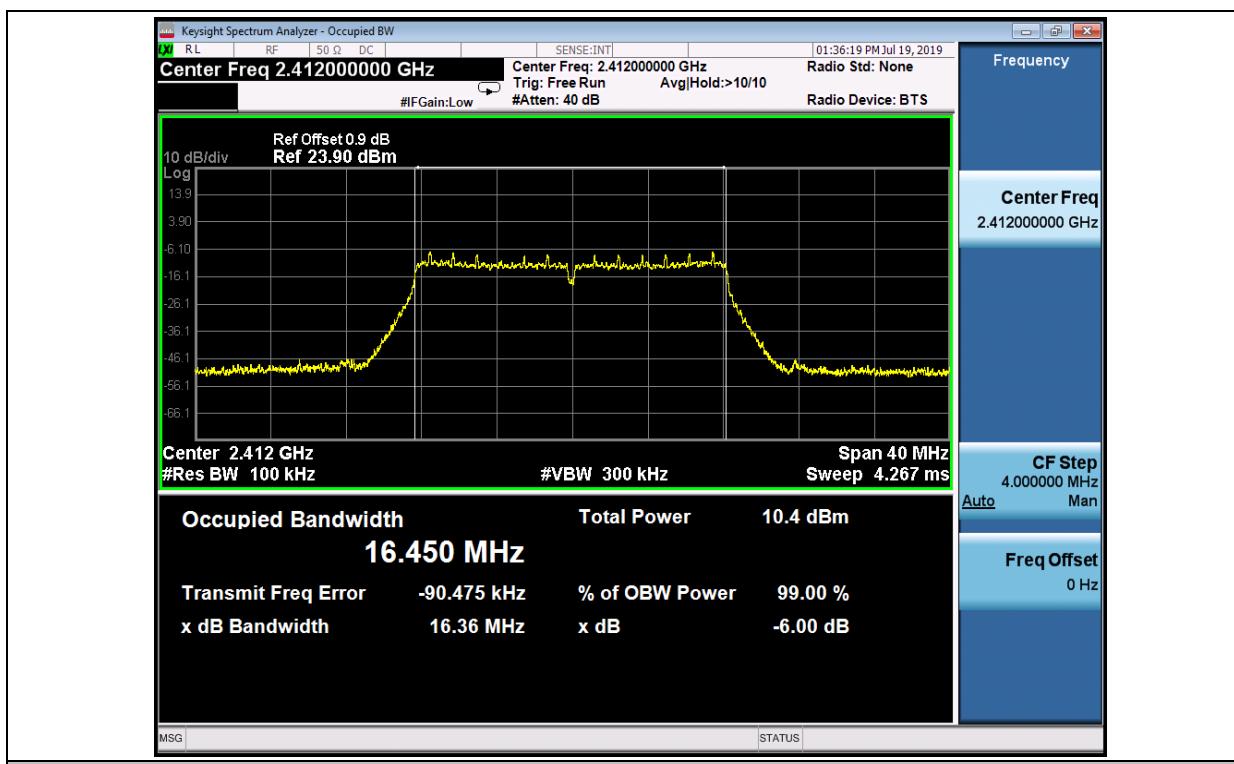


6dB Bandwidth 11G 2412 Ant1

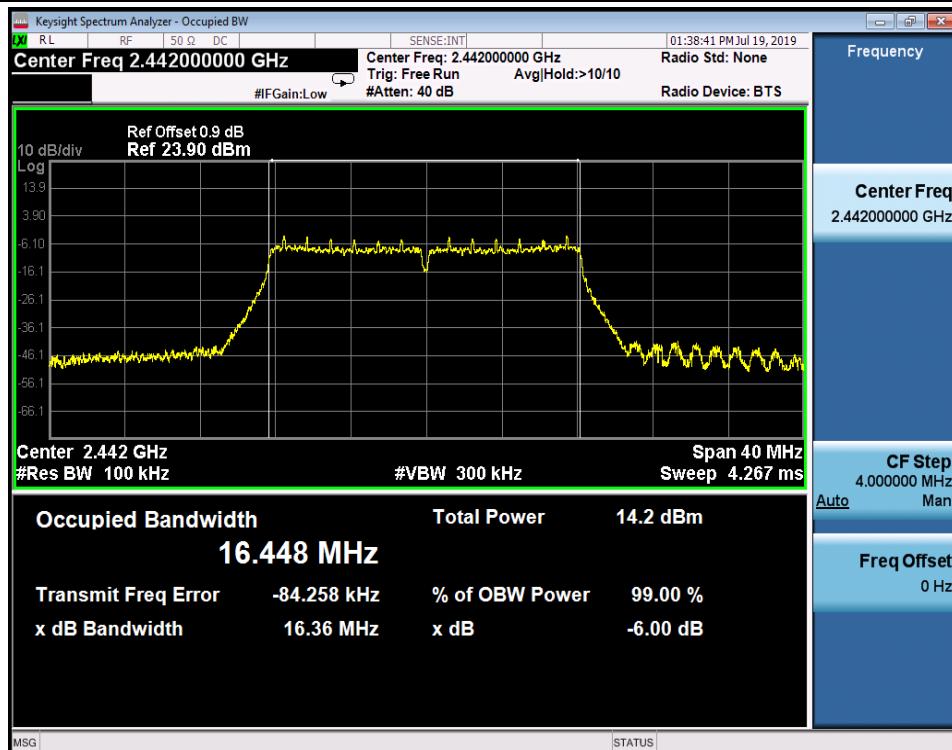


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6dB Bandwidth\_11G\_2442\_Ant1



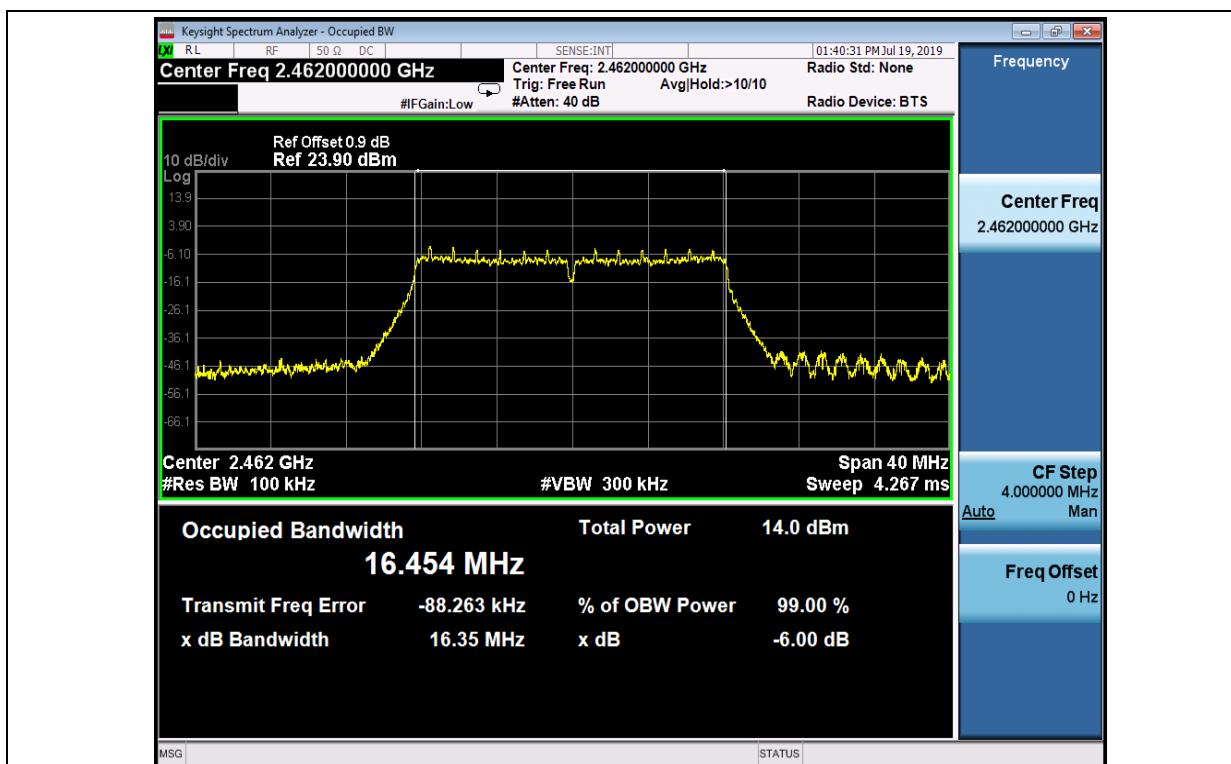
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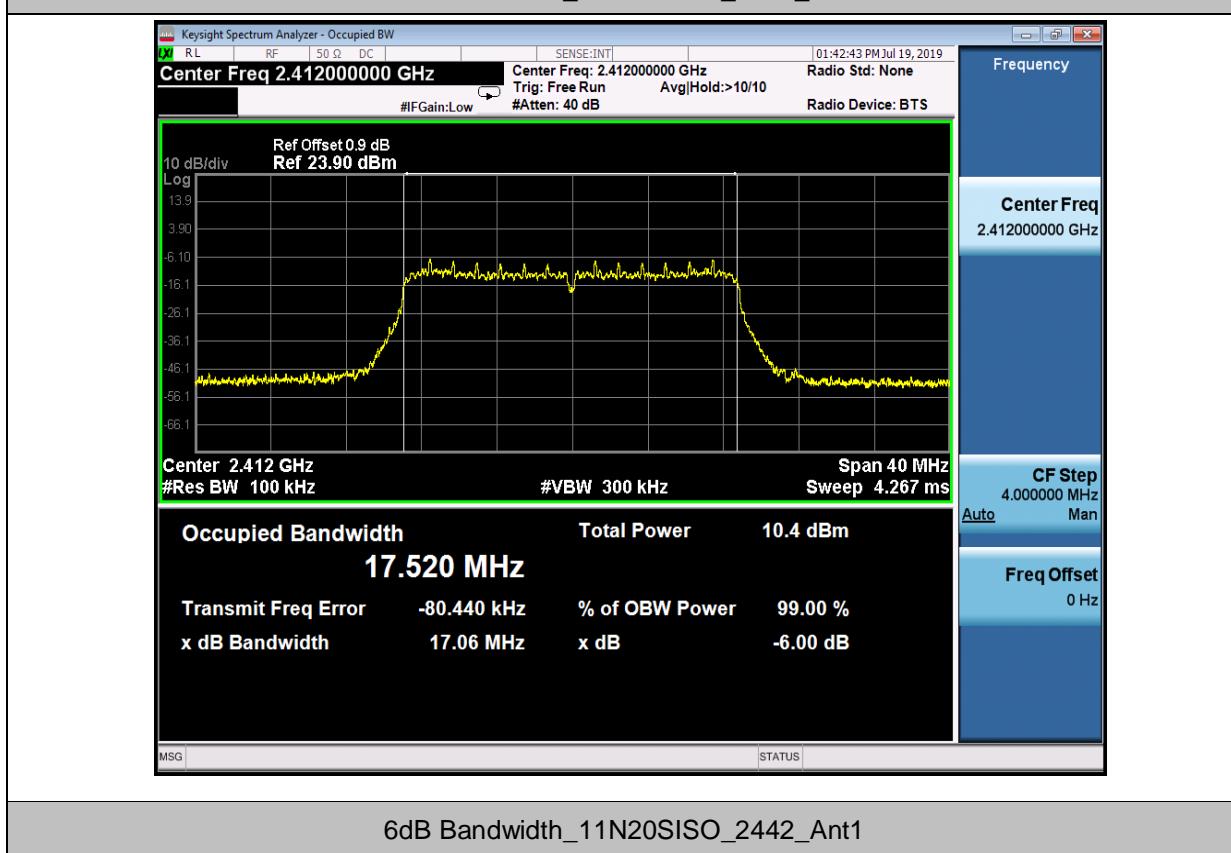
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6dB Bandwidth\_11N20SISO\_2412\_Ant1



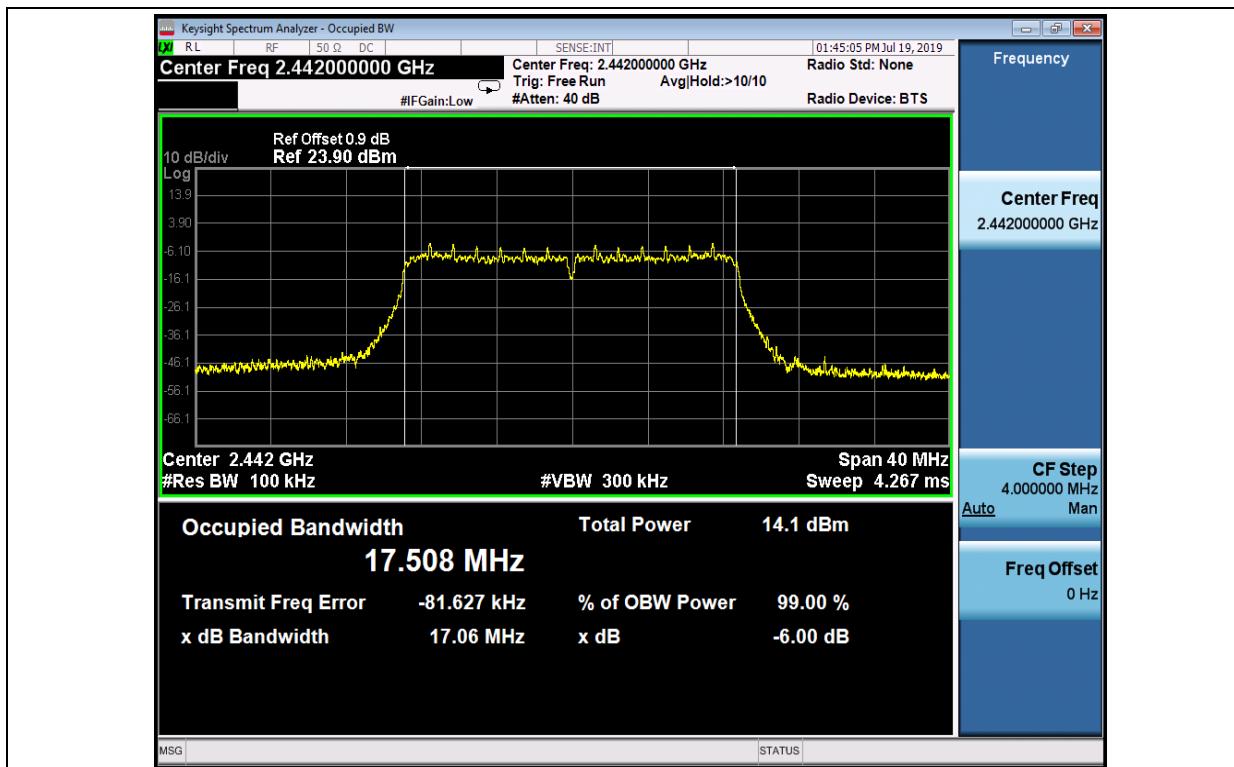
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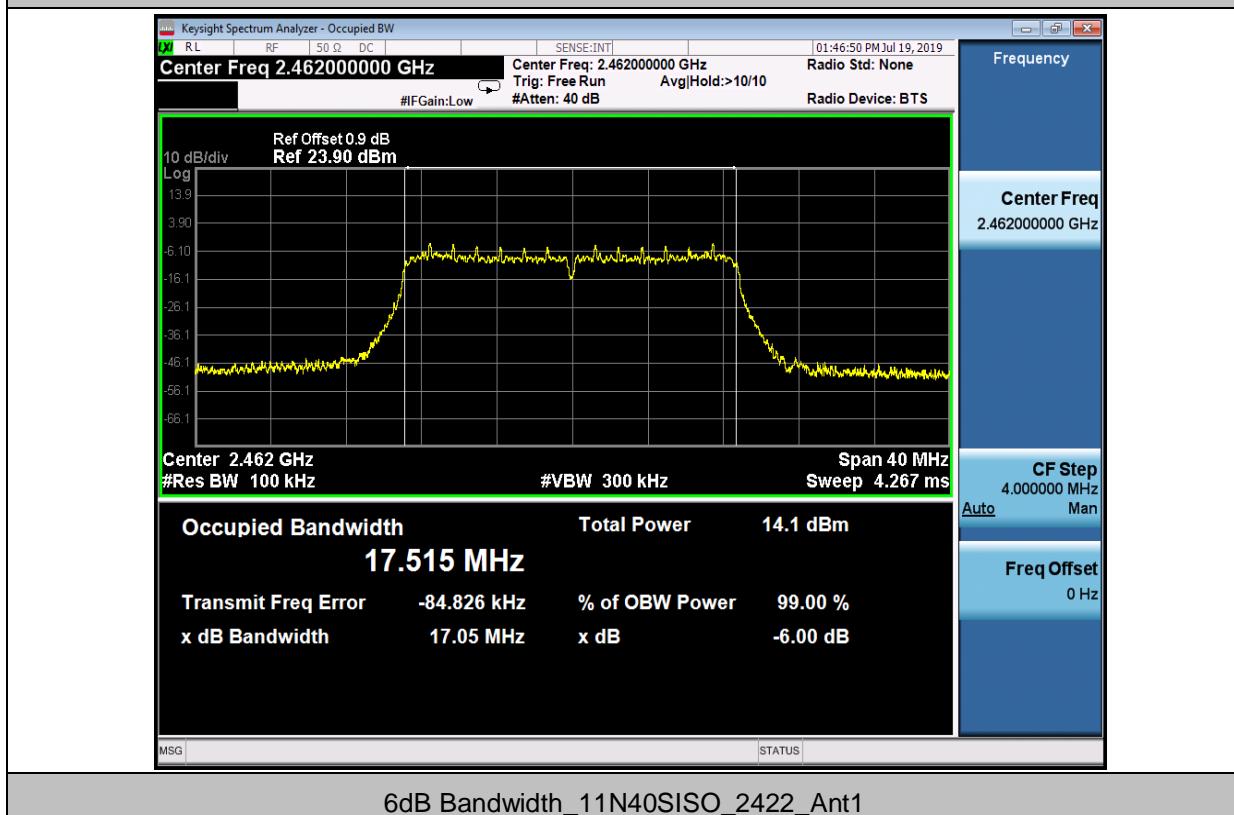
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## 6dB Bandwidth\_11N40SISO\_2422\_Ant1

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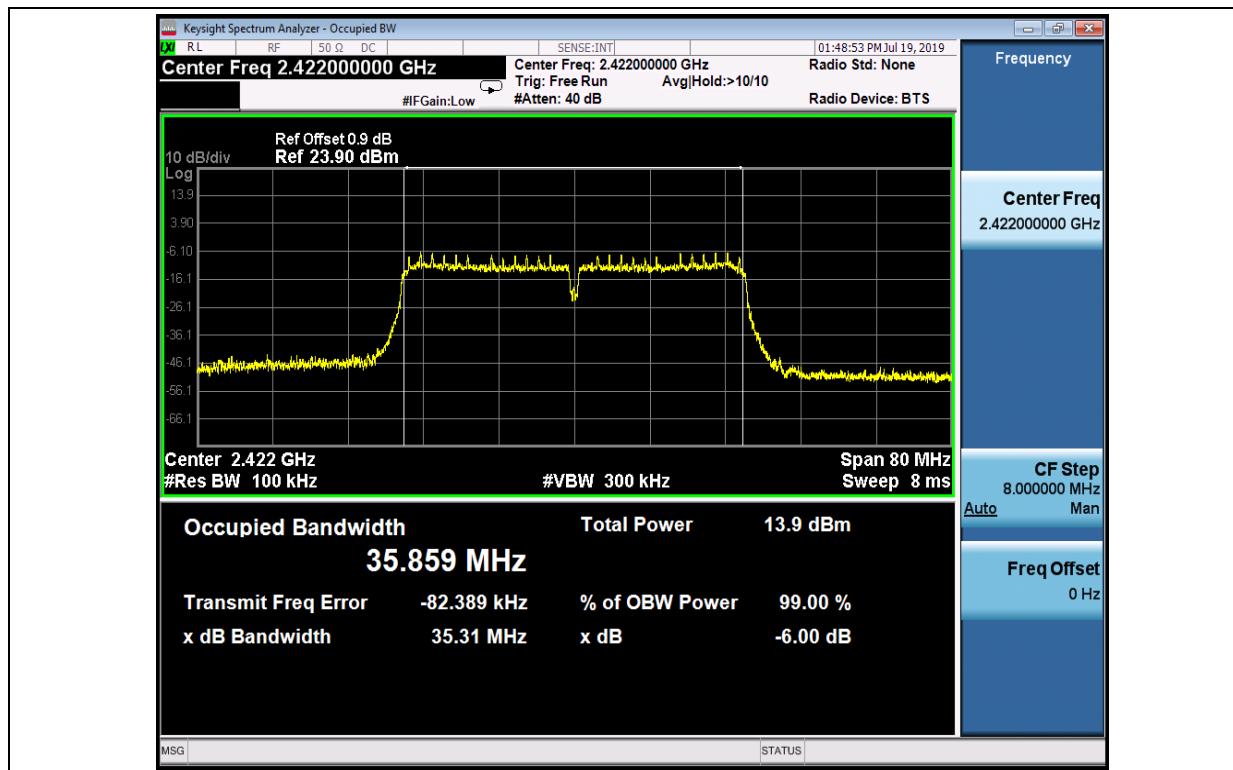
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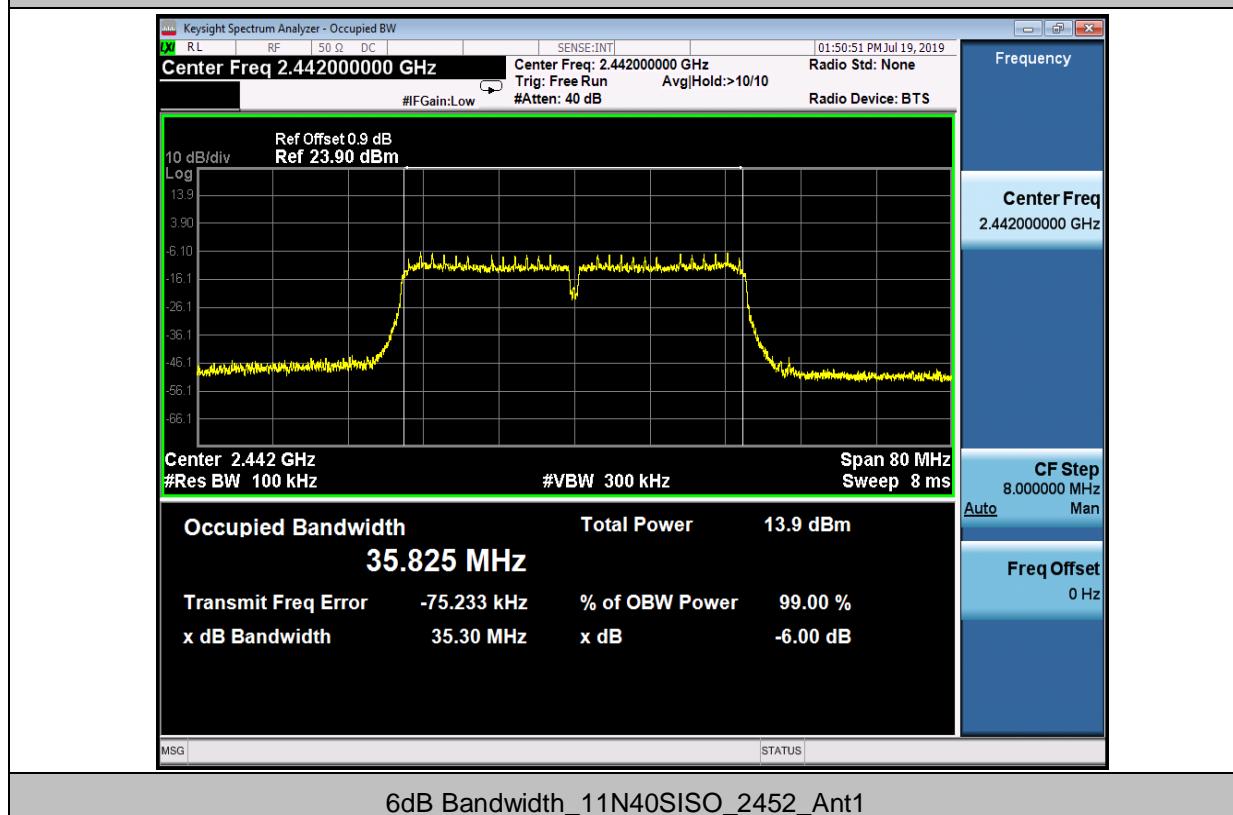
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6dB Bandwidth\_11N40SISO\_2442\_Ant1



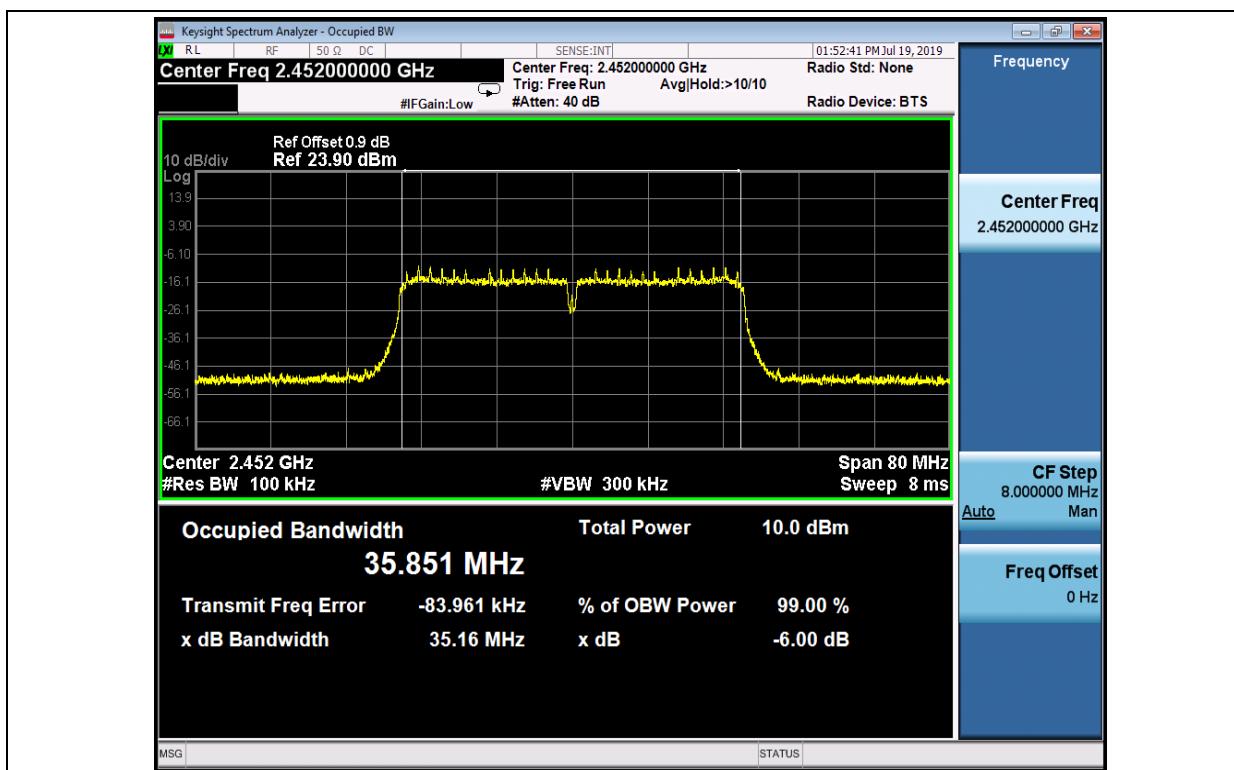
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2. Maximum peak conducted output power

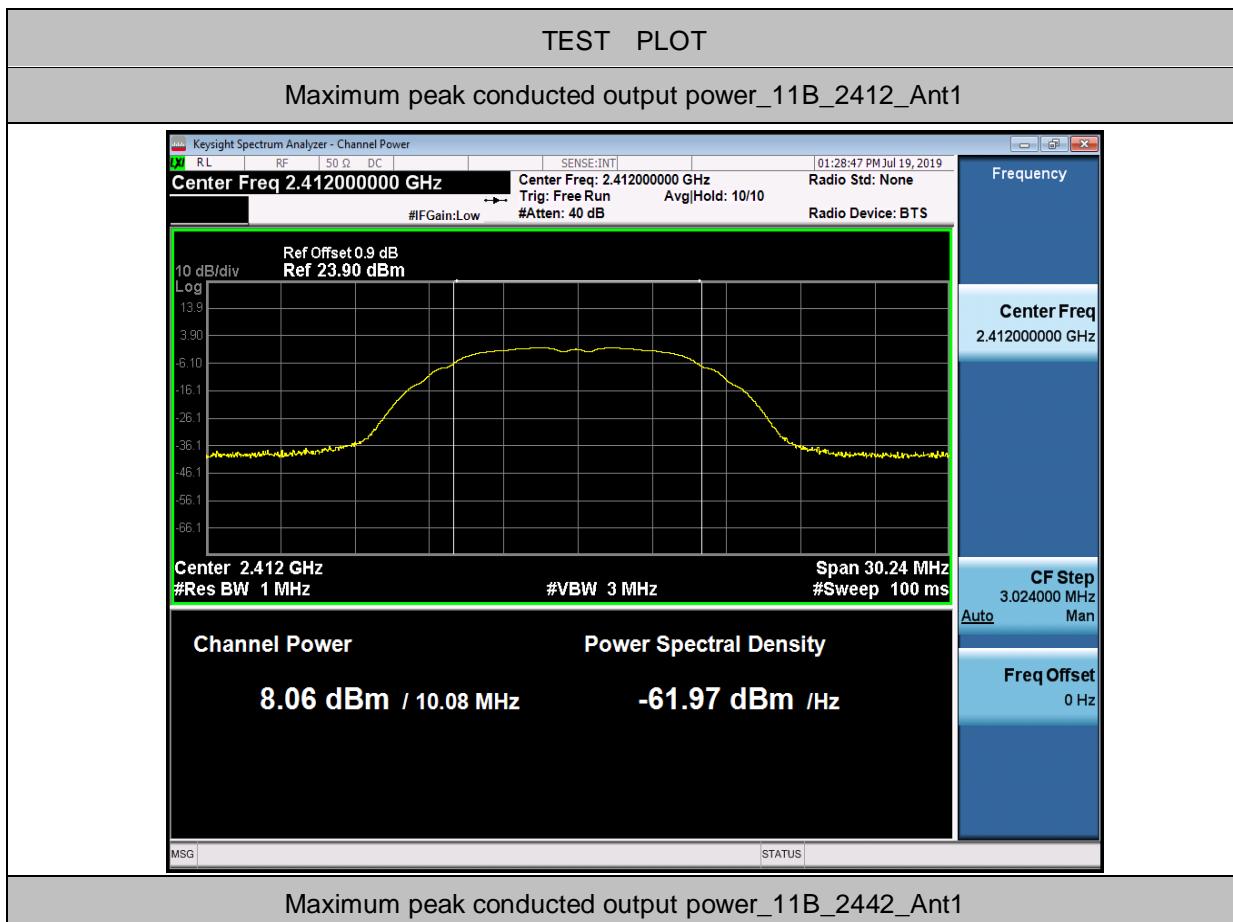
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11G	2412	Ant1	11.72	30	PASS
11G	2442	Ant1	15.49	30	PASS
11G	2462	Ant1	15.3	30	PASS
11N20SISO	2412	Ant1	11.6	30	PASS
11N20SISO	2442	Ant1	15.37	30	PASS
11N20SISO	2462	Ant1	15.22	30	PASS
11N40SISO	2422	Ant1	15.16	30	PASS
11N40SISO	2442	Ant1	15.14	30	PASS
11N40SISO	2452	Ant1	11.3	30	PASS



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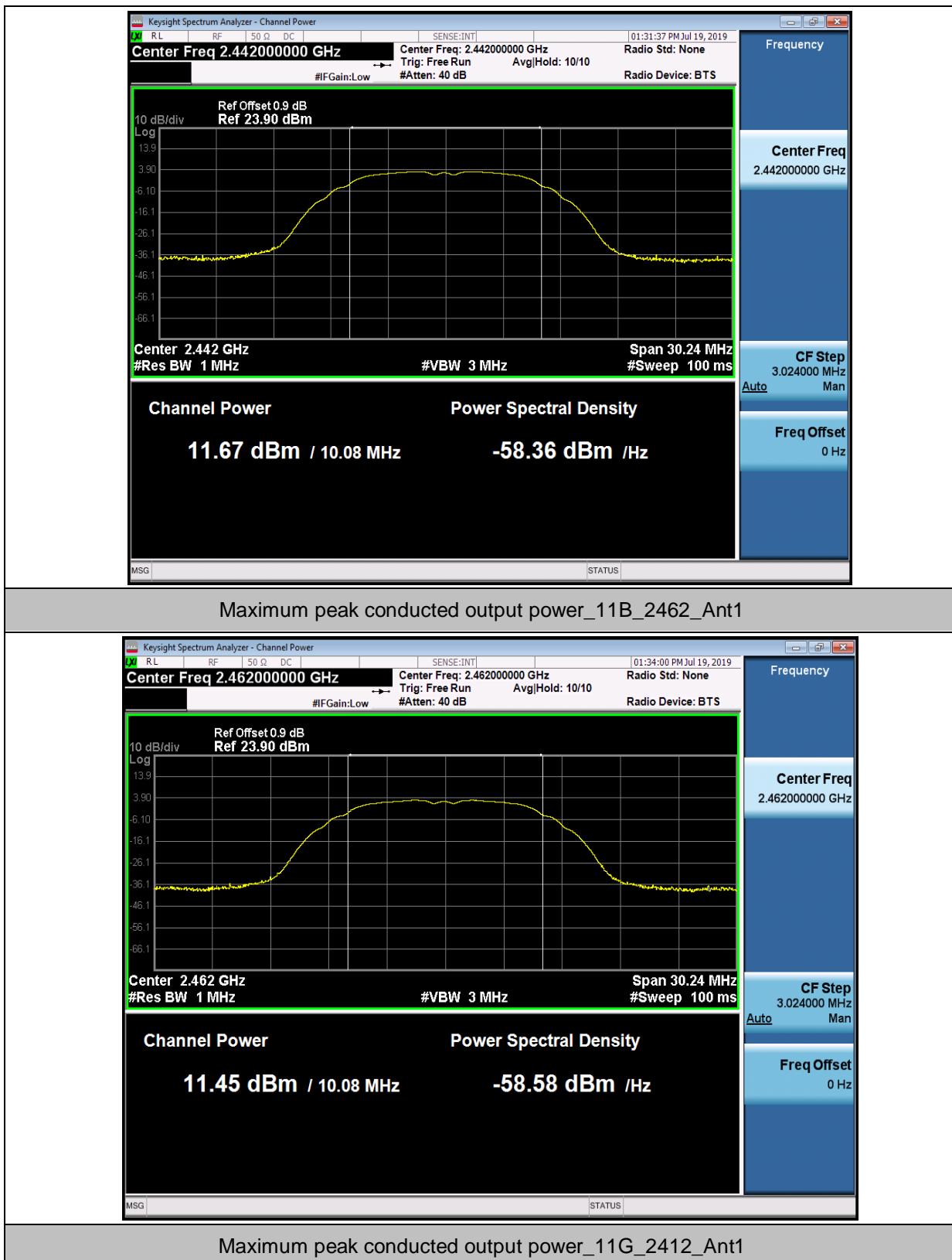


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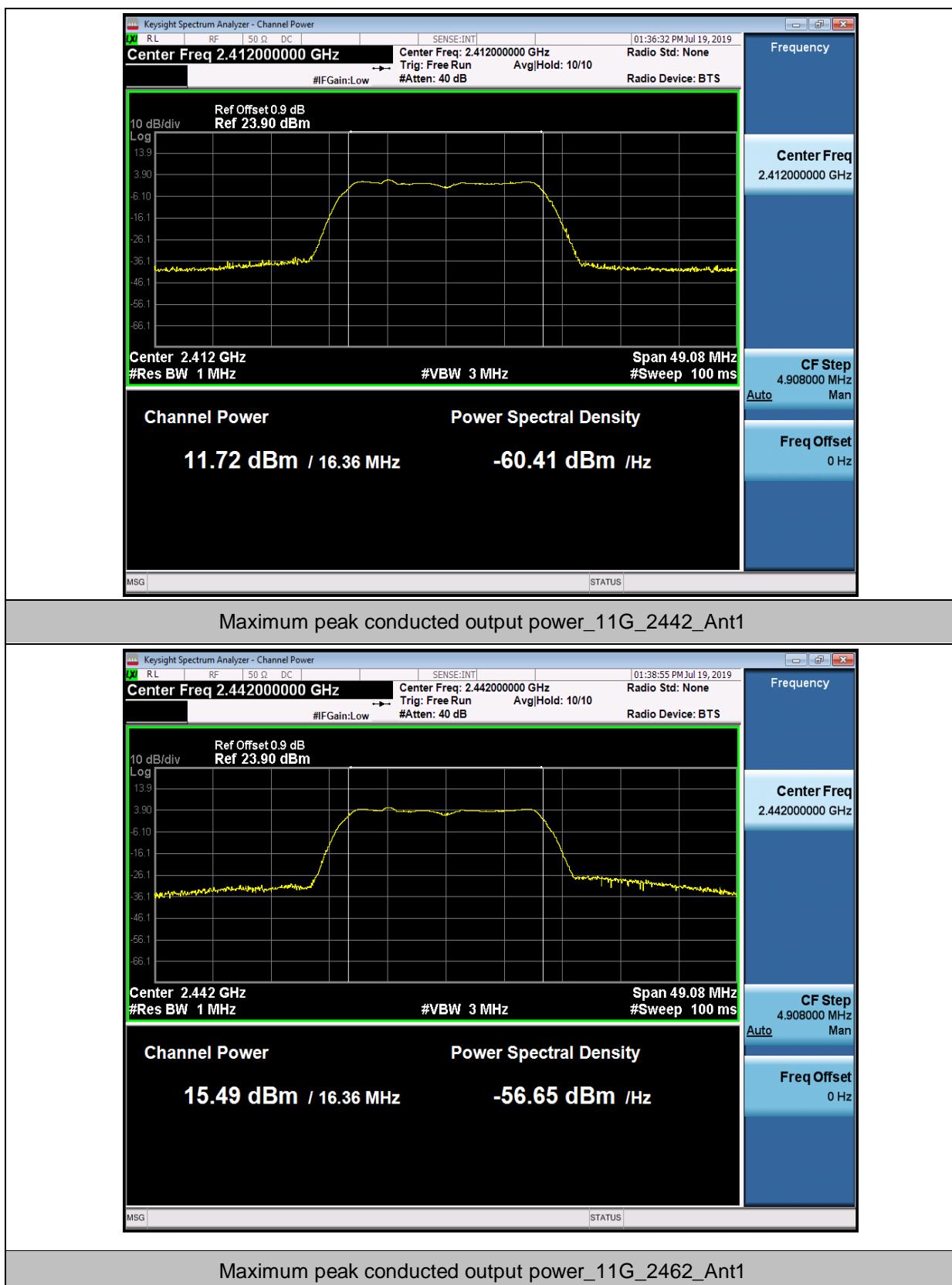


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## Maximum peak conducted output power\_11G\_2442\_Ant1

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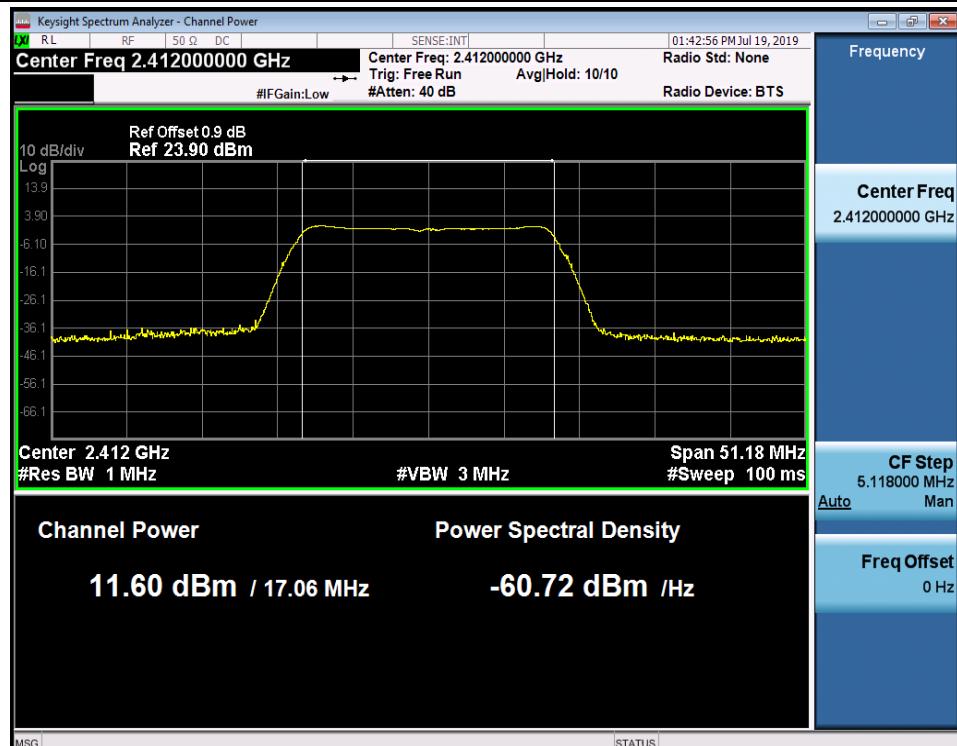


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Maximum peak conducted output power\_11N20SISO\_2412\_Ant1



Maximum peak conducted output power\_11N20SISO\_2442\_Ant1

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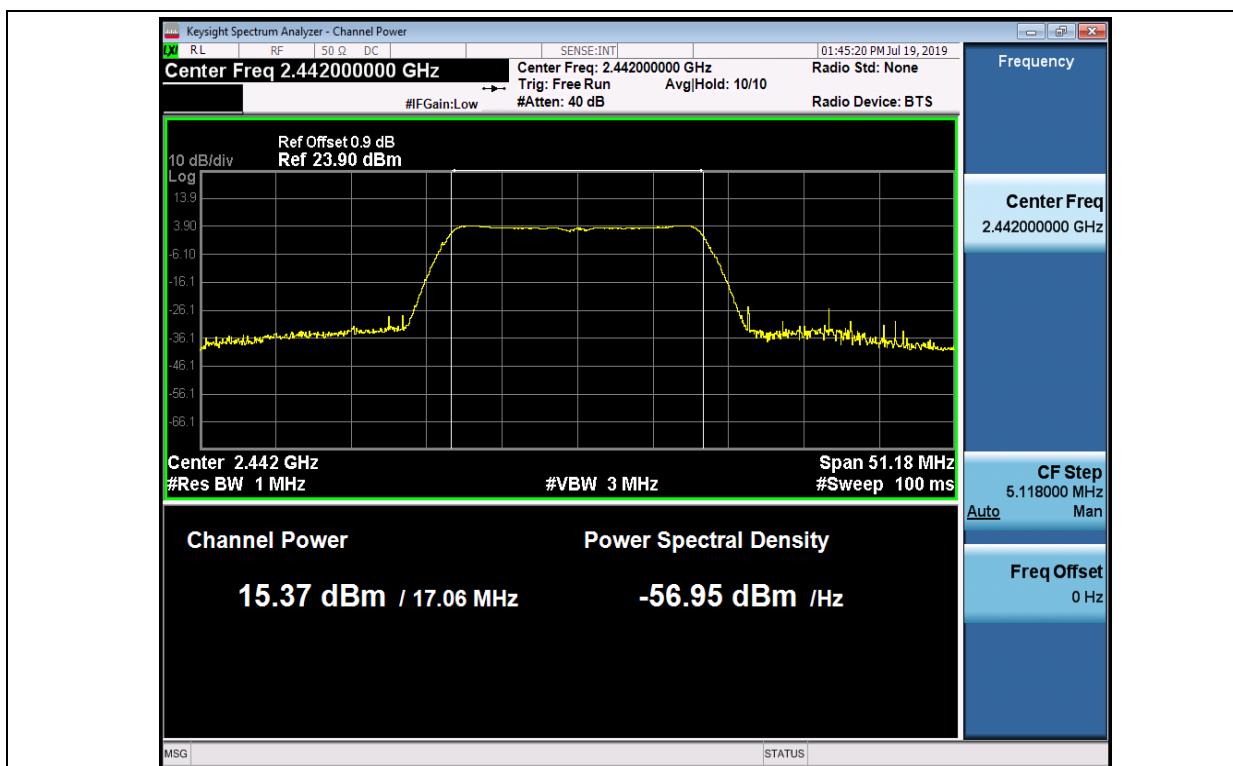


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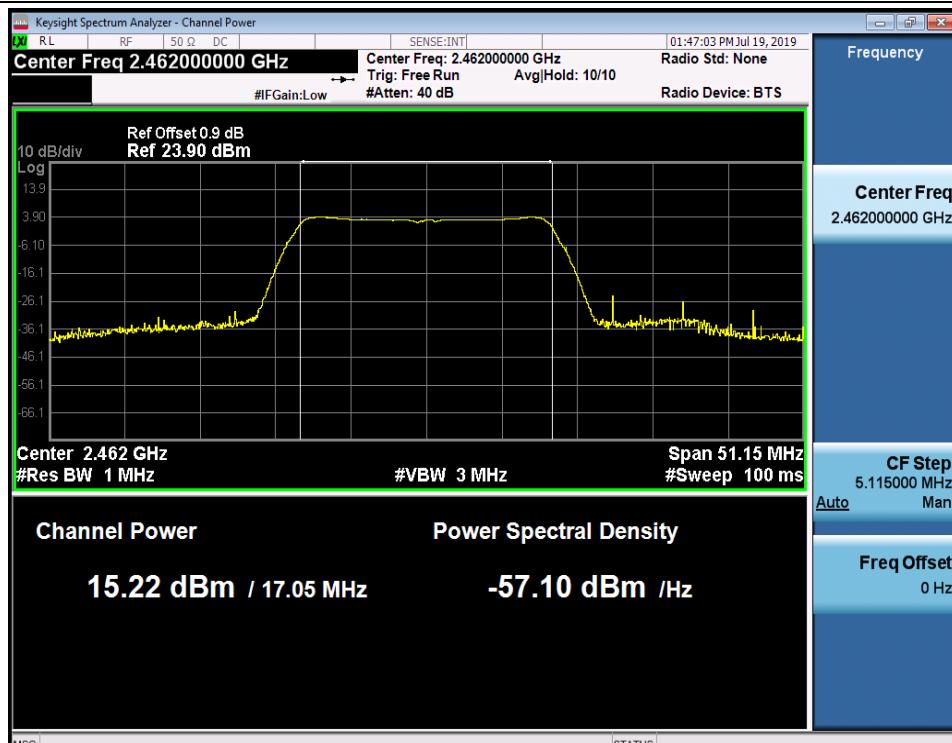
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Maximum peak conducted output power\_11N20SISO\_2462\_Ant1



Maximum peak conducted output power\_11N40SISO\_2422\_Ant1

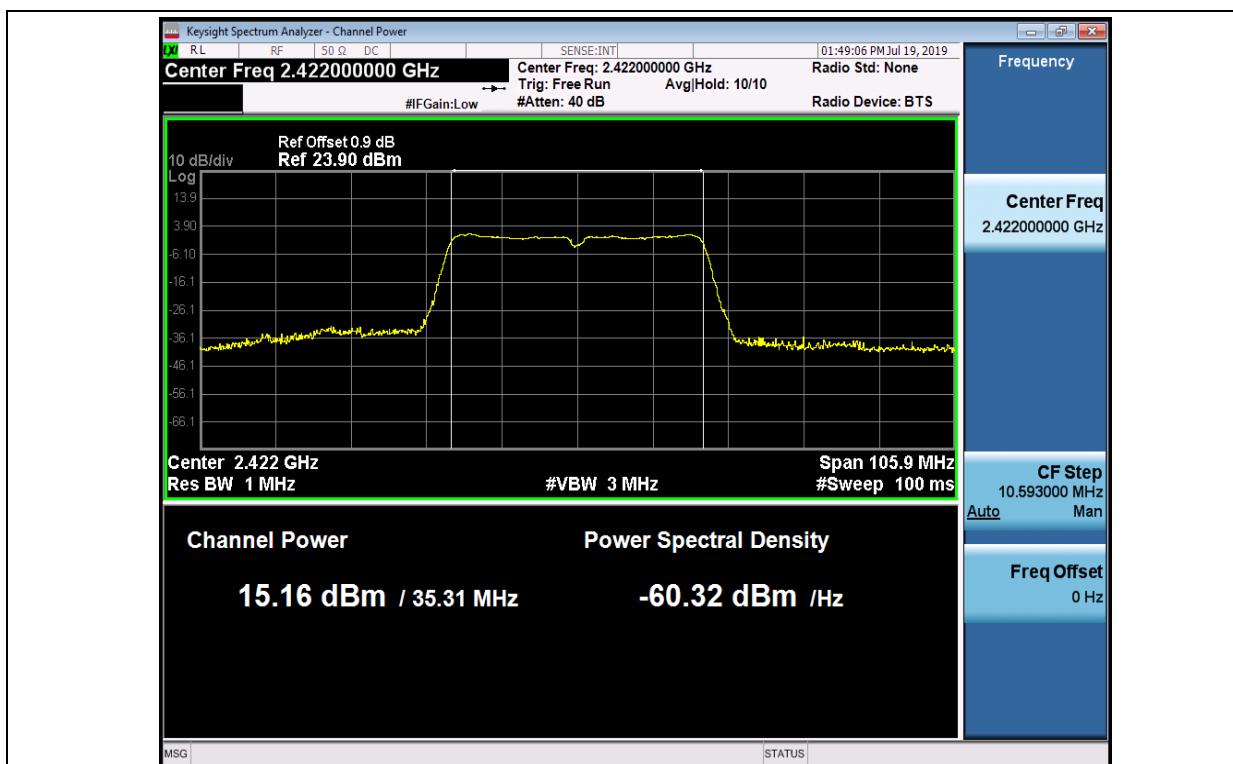
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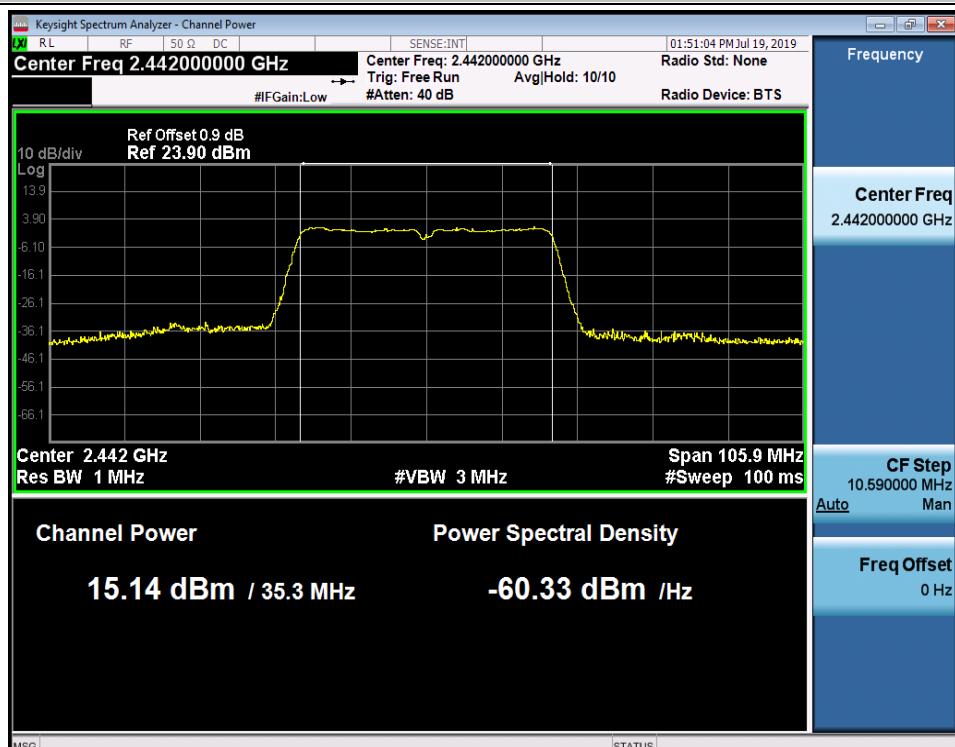


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Maximum peak conducted output power\_11N40SISO\_2442\_Ant1



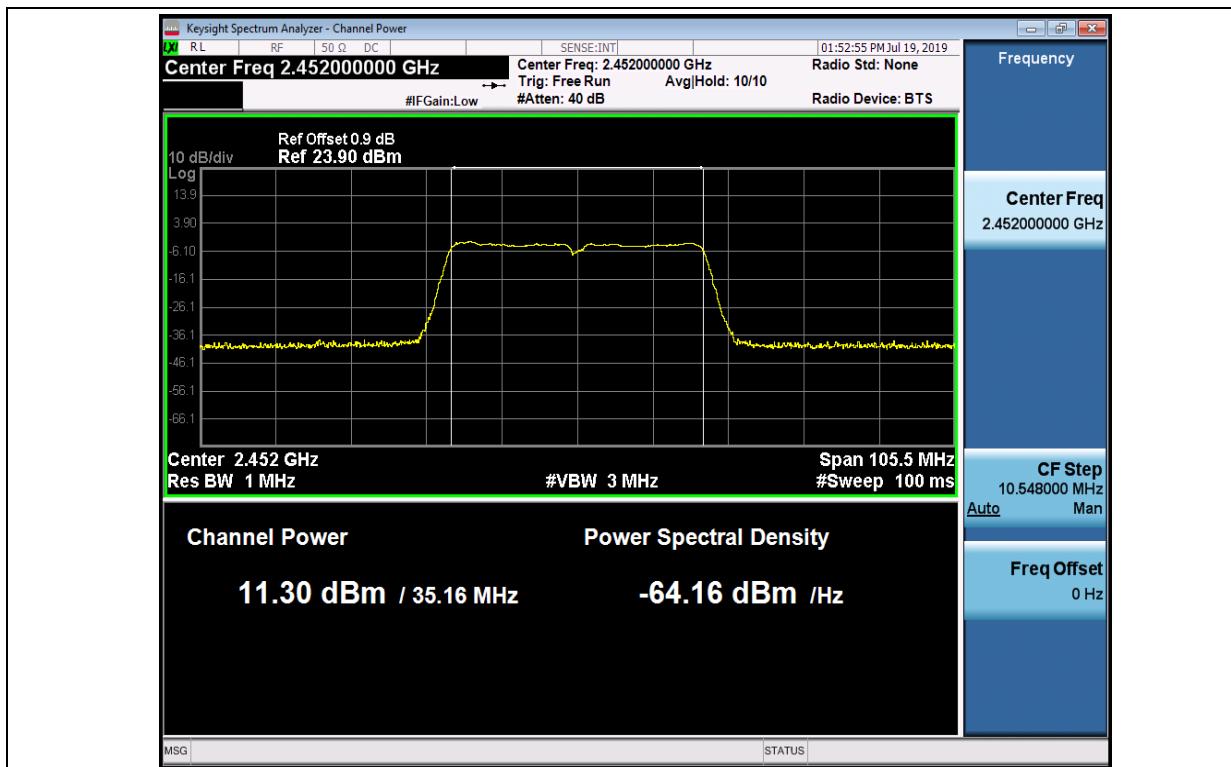
Maximum peak conducted output power\_11N40SISO\_2452\_Ant1

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### 3. Maximum Peak power spectral density

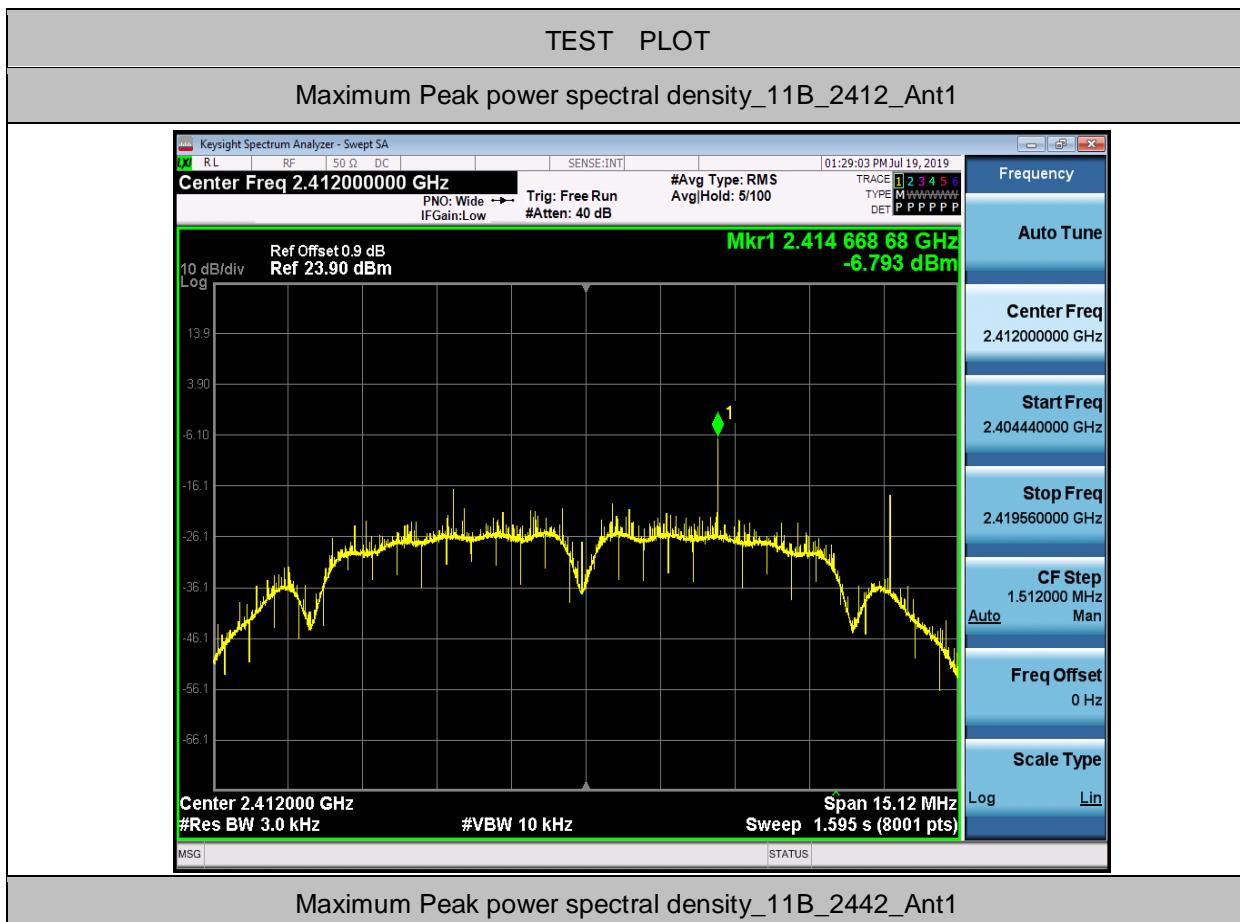
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11B	2442	Ant1	-8.11	8.00	PASS
11B	2462	Ant1	-15.853	8.00	PASS
11G	2412	Ant1	-24.119	8.00	PASS
11G	2442	Ant1	-19.147	8.00	PASS
11G	2462	Ant1	-19.602	8.00	PASS
11N20SISO	2412	Ant1	-23.424	8.00	PASS
11N20SISO	2442	Ant1	-20.101	8.00	PASS
11N20SISO	2462	Ant1	-19.282	8.00	PASS
11N40SISO	2422	Ant1	-22.633	8.00	PASS
11N40SISO	2442	Ant1	-21.645	8.00	PASS
11N40SISO	2452	Ant1	-26.473	8.00	PASS

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Maximum Peak power spectral density\_11B\_2462\_Ant1



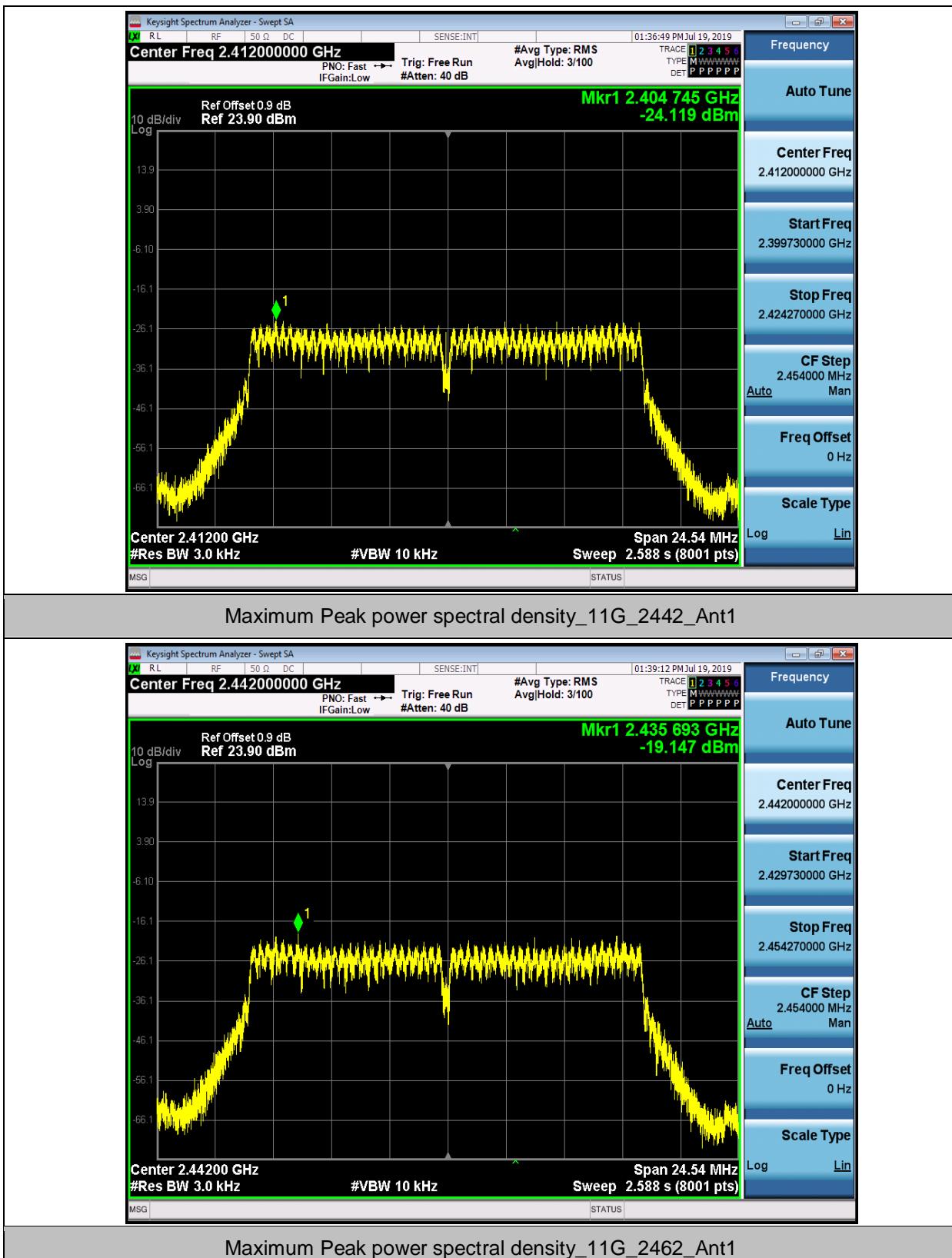
Maximum Peak power spectral density\_11G\_2412\_Ant1

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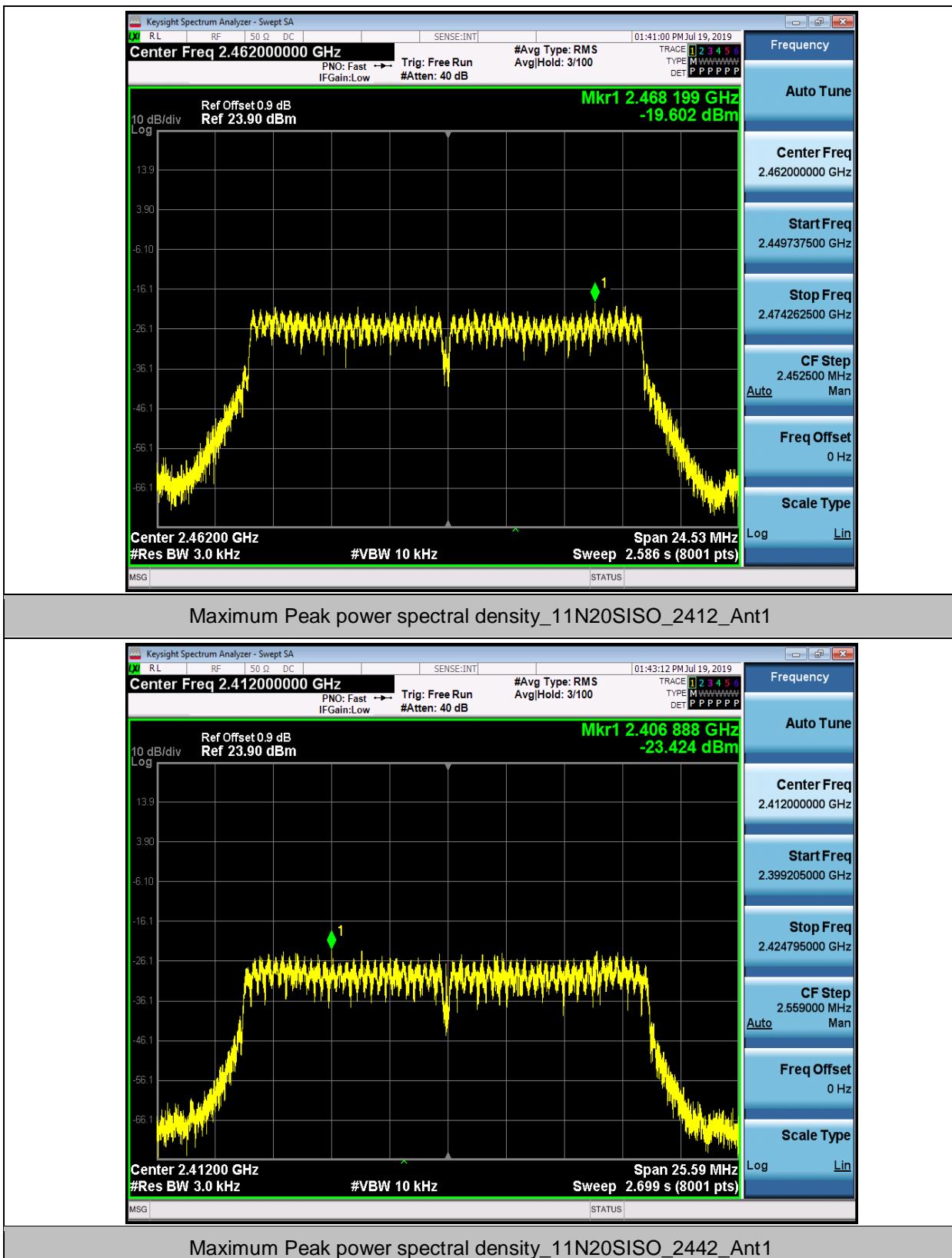


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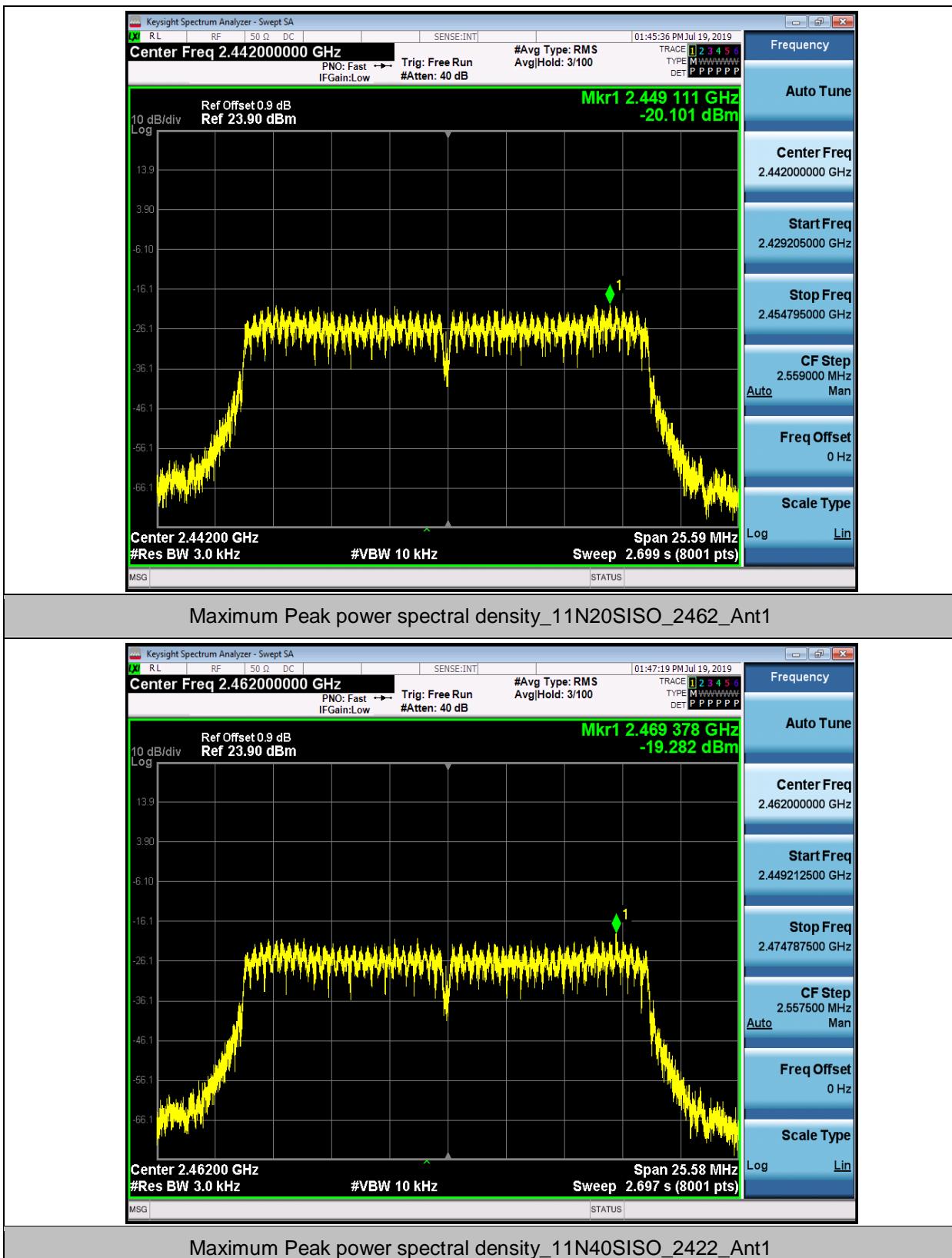


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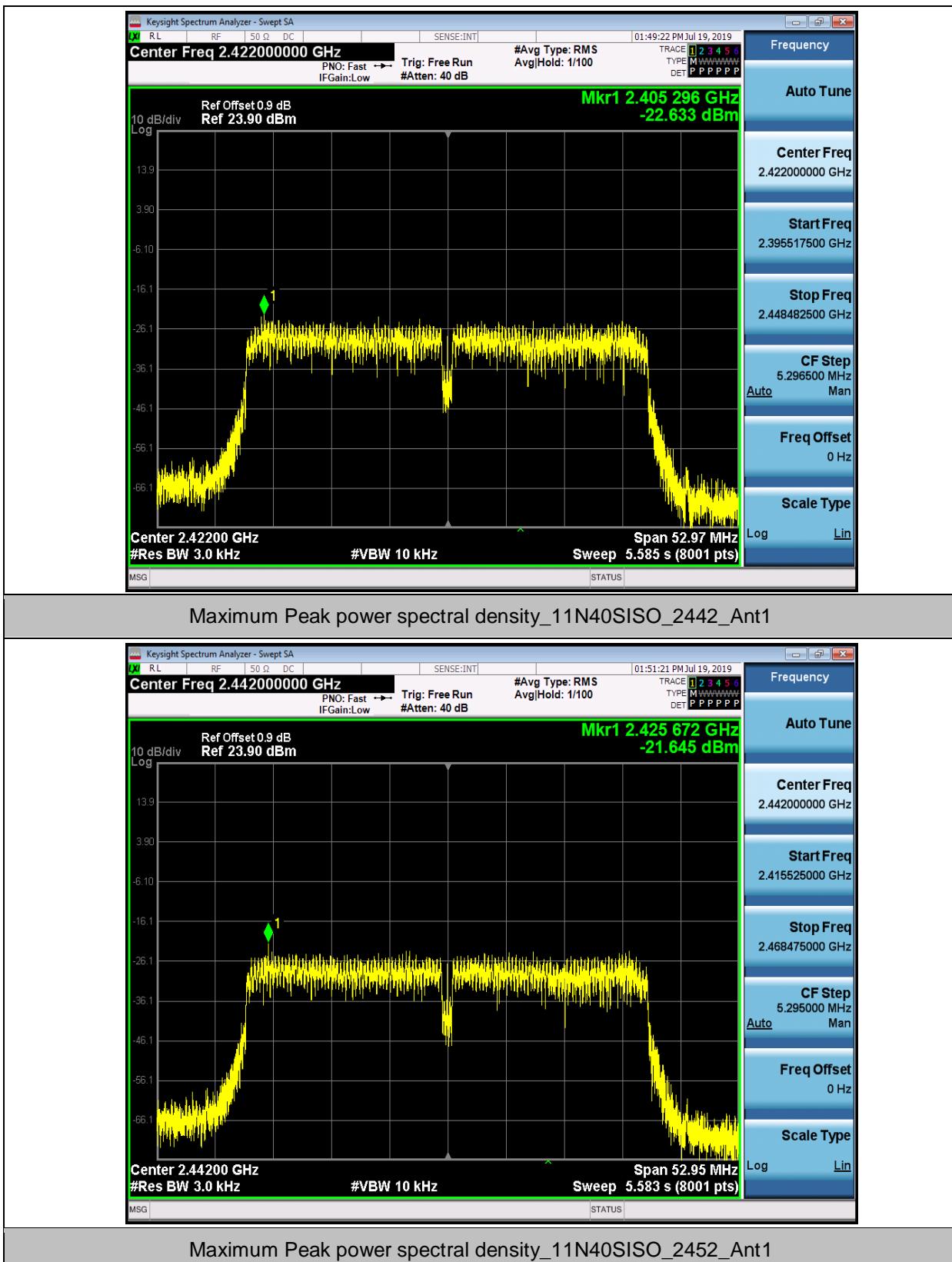
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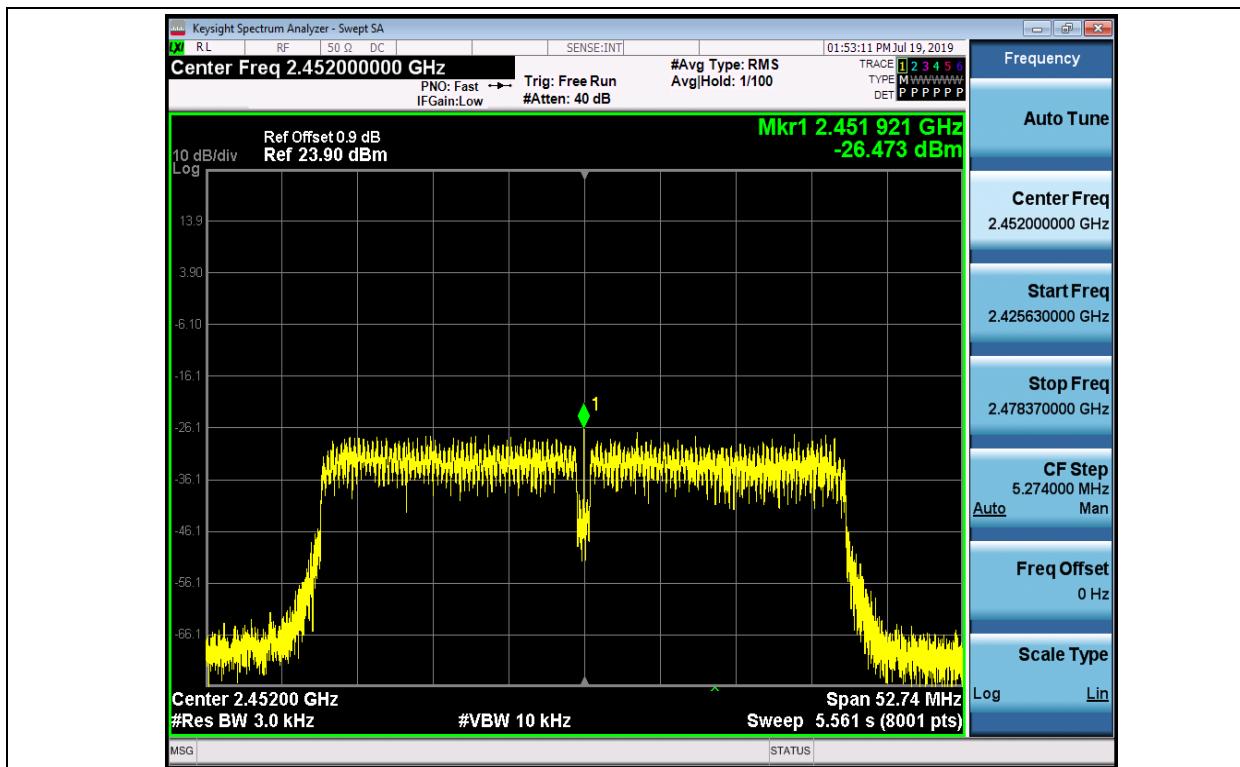


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#### 4. Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	-4.874	-48.511	-24.87	PASS
11B	2462	Ant1	-1.471	-48.485	-21.47	PASS
11G	2412	Ant1	-6.909	-48.613	-26.91	PASS
11G	2462	Ant1	-3.179	-45.684	-23.18	PASS
11N20SISO	2412	Ant1	-7.137	-48.301	-27.14	PASS
11N20SISO	2462	Ant1	-3.325	-47.927	-23.33	PASS
11N40SISO	2422	Ant1	-6.315	-43.269	-26.32	PASS
11N40SISO	2452	Ant1	-10.306	-48.899	-30.31	PASS

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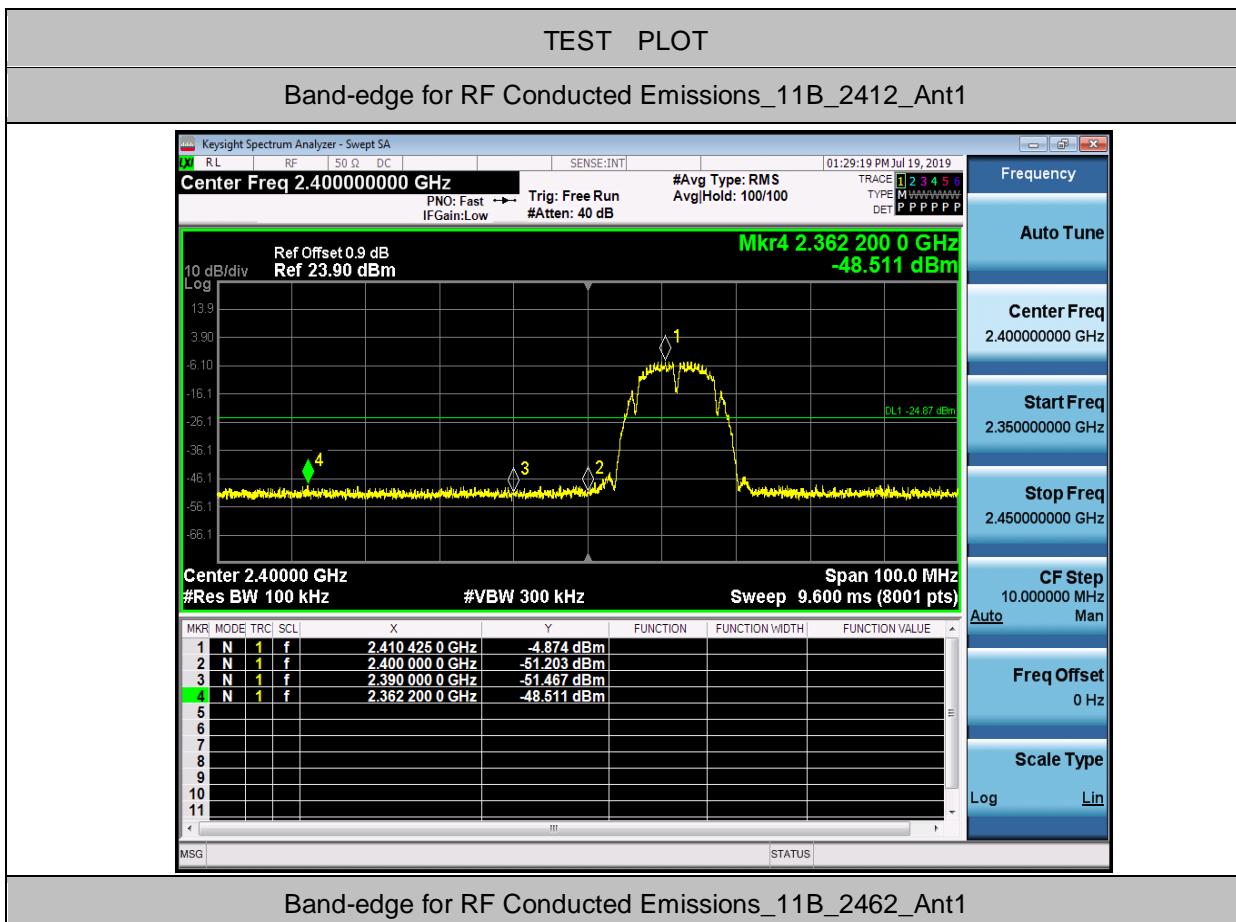


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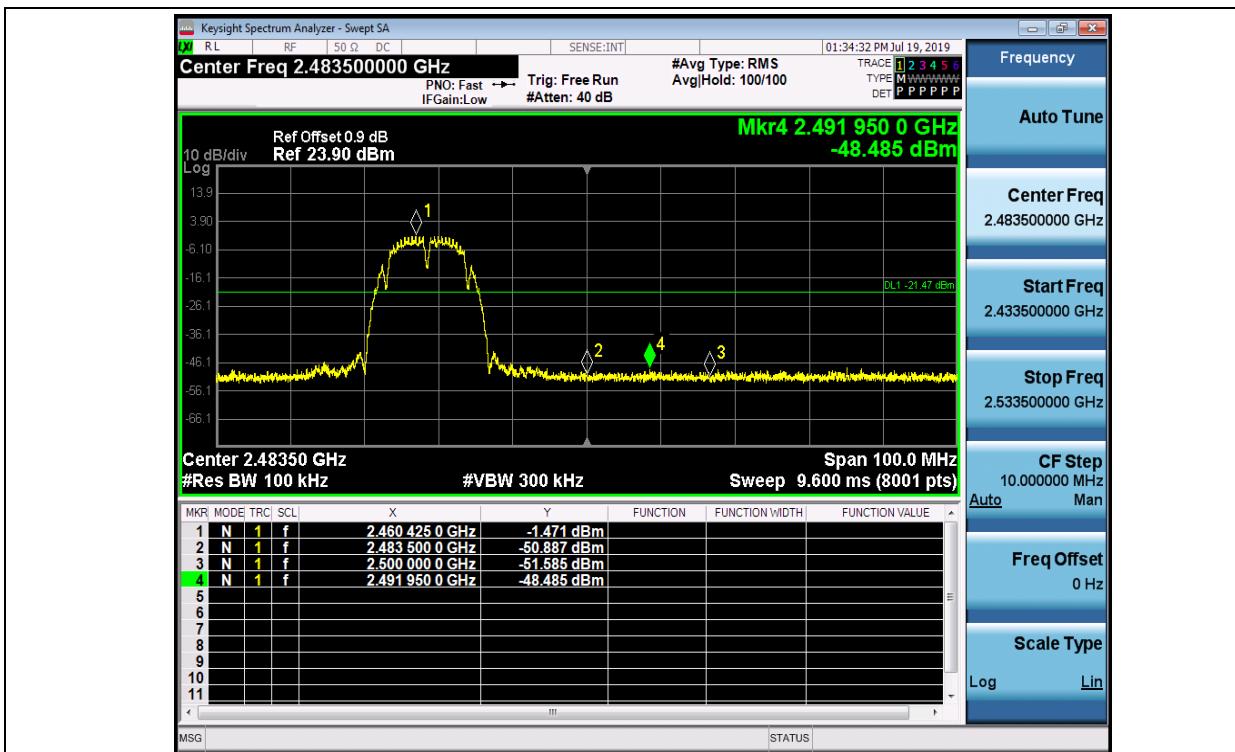


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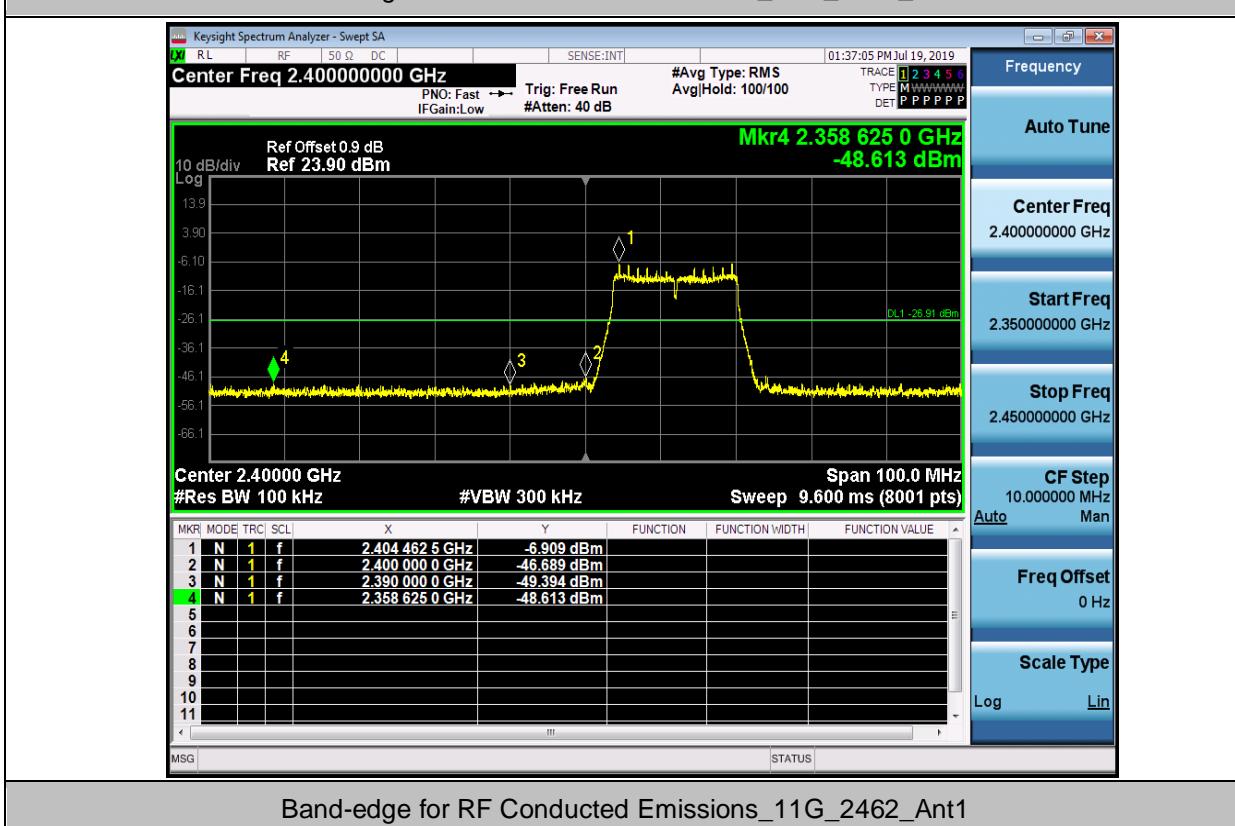
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Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



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

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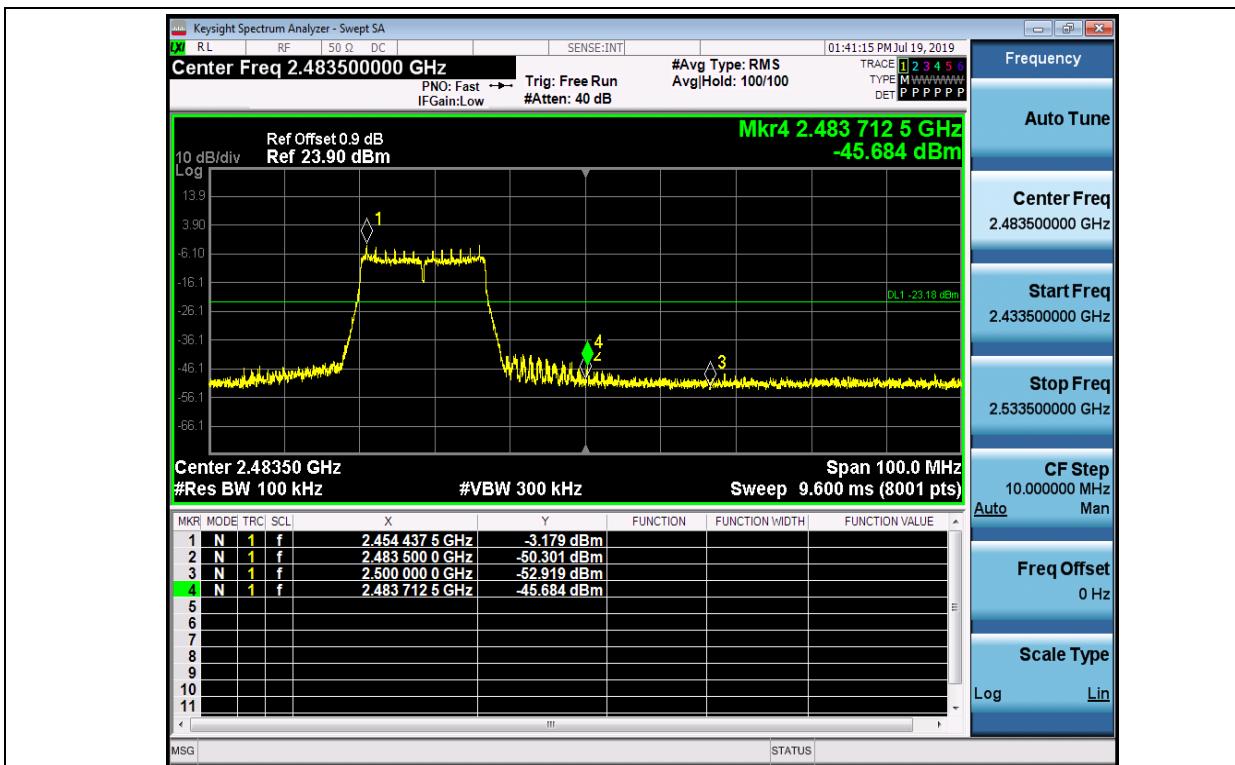
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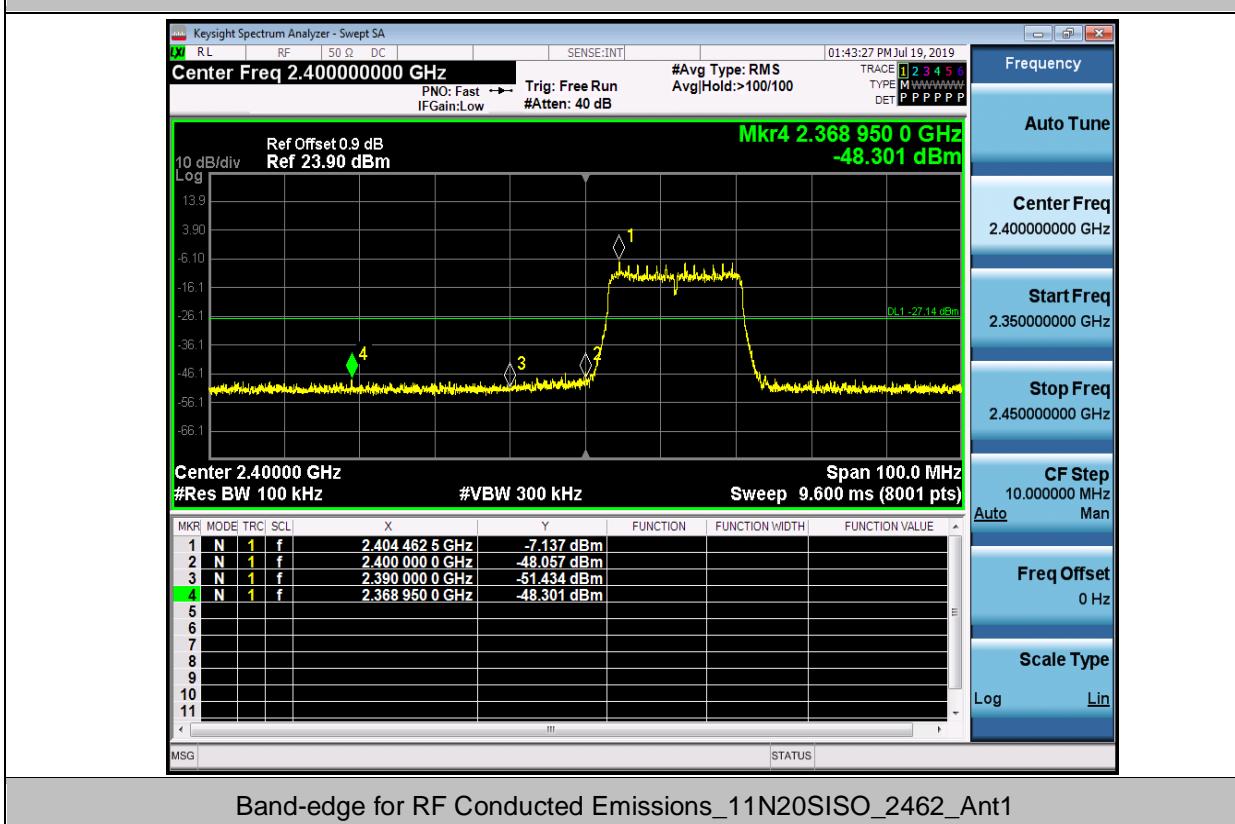
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Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



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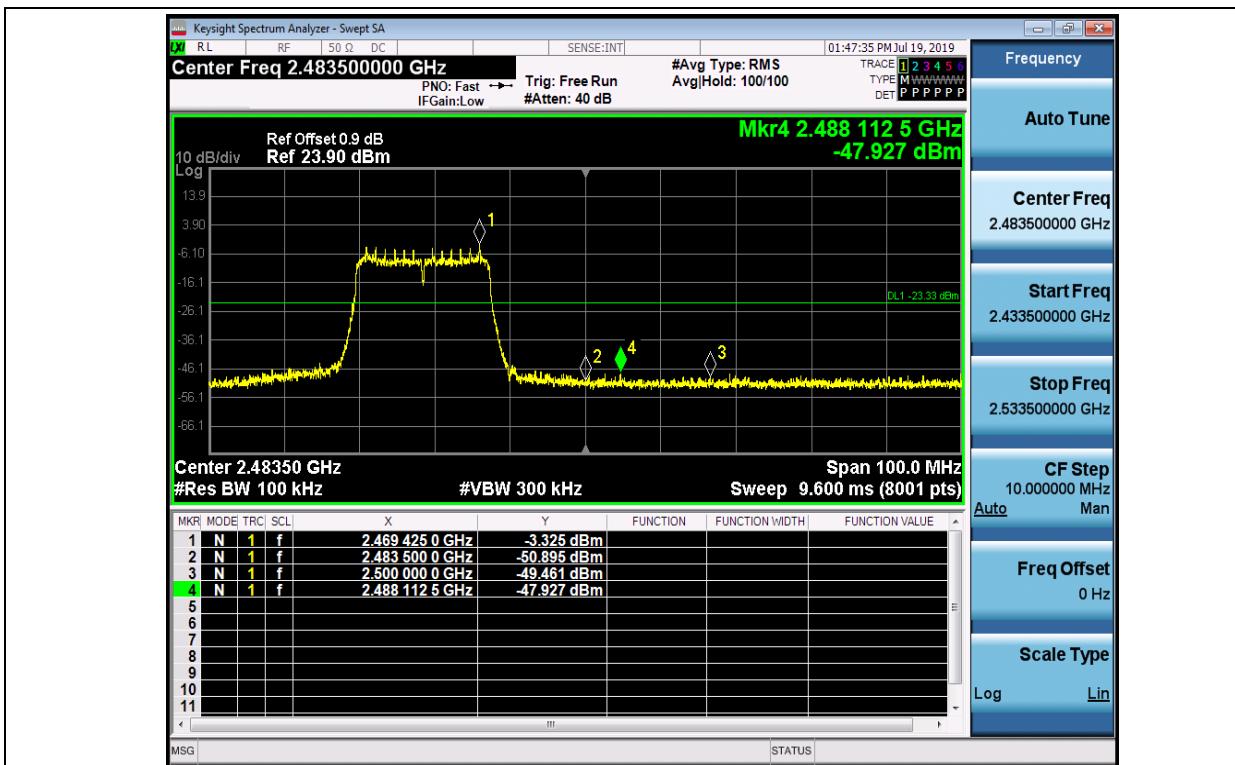
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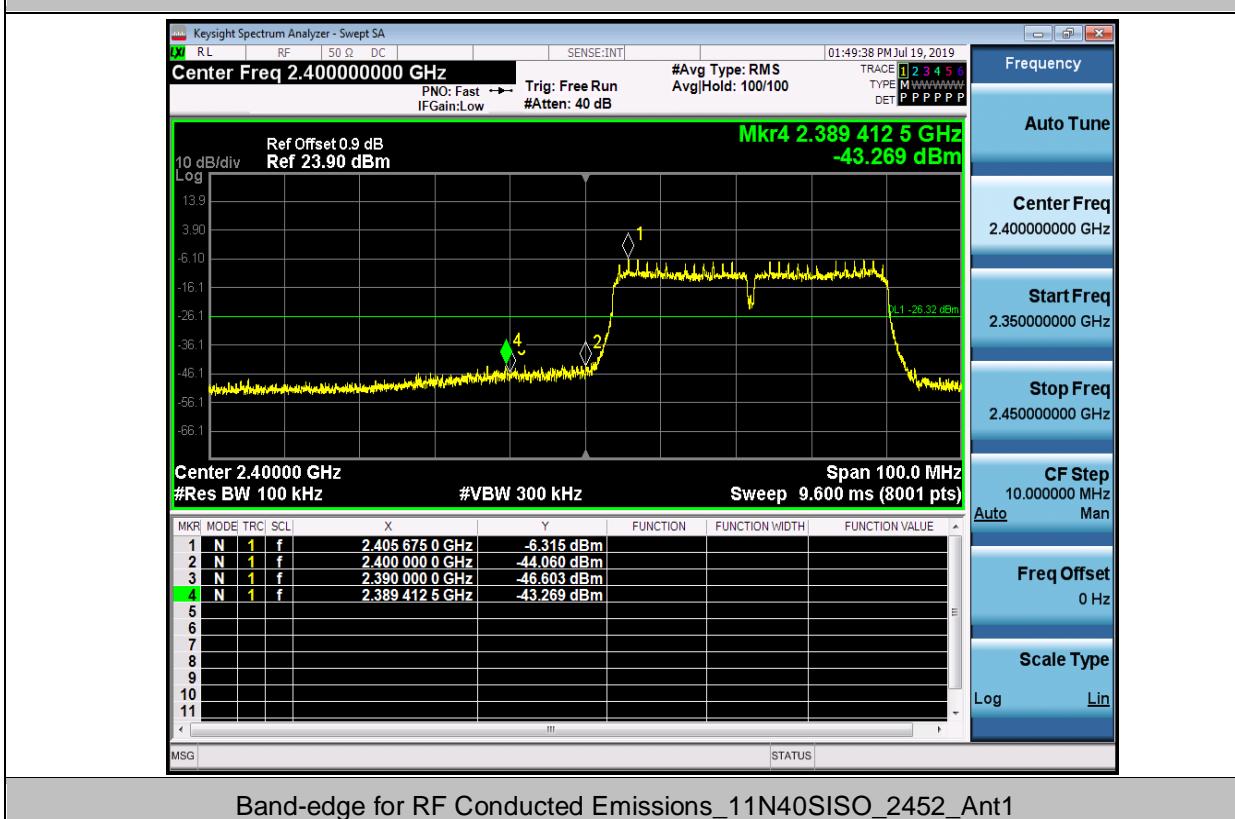
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Band-edge for RF Conducted Emissions\_11N40SISO\_2422\_Ant1



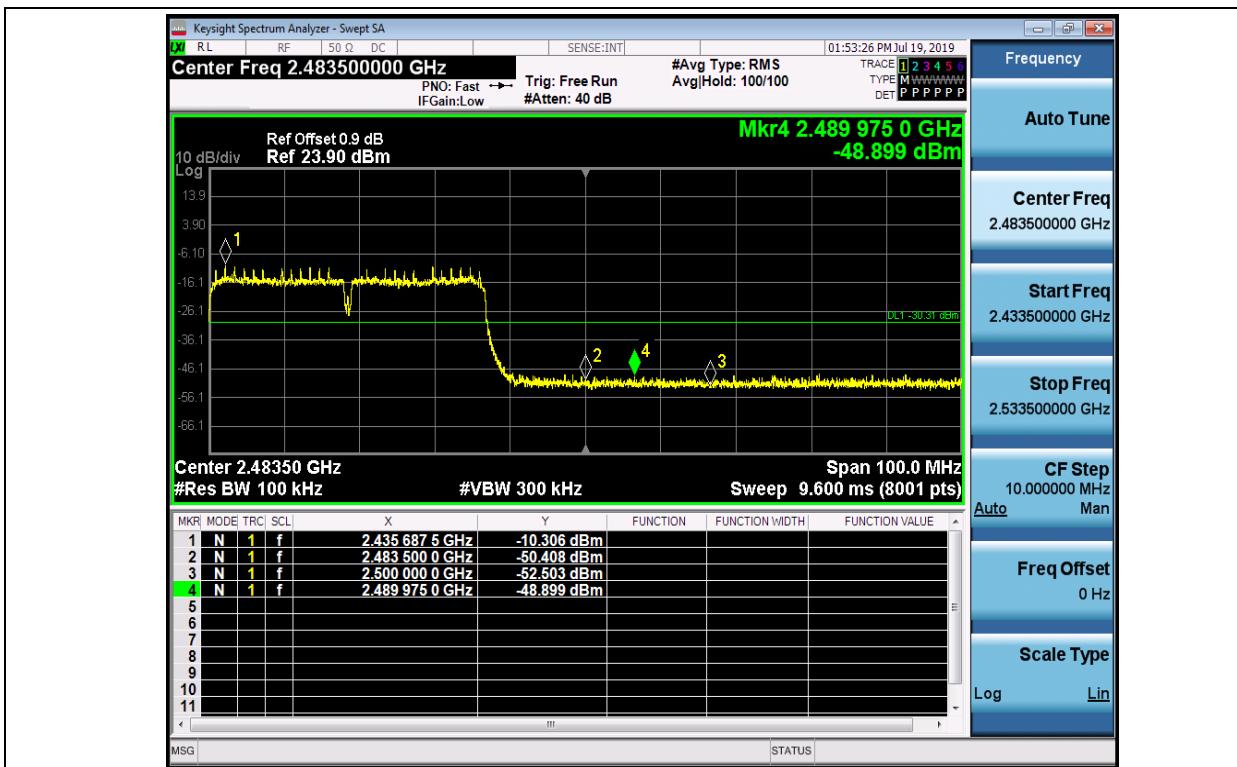
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## 5.RF Conducted Spurious Emissions

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	-4.963	-35.927	<-24.963	PASS
11B	2412	Ant1	10000	26000	100	300	-4.963	-51.116	<-24.963	PASS
11B	2442	Ant1	30	10000	100	300	-1.053	-31.371	<-21.053	PASS
11B	2442	Ant1	10000	26000	100	300	-1.053	-51.670	<-21.053	PASS
11B	2462	Ant1	30	10000	100	300	-1.489	-33.867	<-21.489	PASS
11B	2462	Ant1	10000	26000	100	300	-1.489	-51.693	<-21.489	PASS
11G	2412	Ant1	30	10000	100	300	-7.033	-41.822	<-27.033	PASS
11G	2412	Ant1	10000	26000	100	300	-7.033	-51.888	<-27.033	PASS
11G	2442	Ant1	30	10000	100	300	-3.521	-42.314	<-23.521	PASS
11G	2442	Ant1	10000	26000	100	300	-3.521	-52.108	<-23.521	PASS
11G	2462	Ant1	30	10000	100	300	-3.176	-44.148	<-23.176	PASS
11G	2462	Ant1	10000	26000	100	300	-3.176	-51.862	<-23.176	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-6.932	-42.043	<-26.932	PASS

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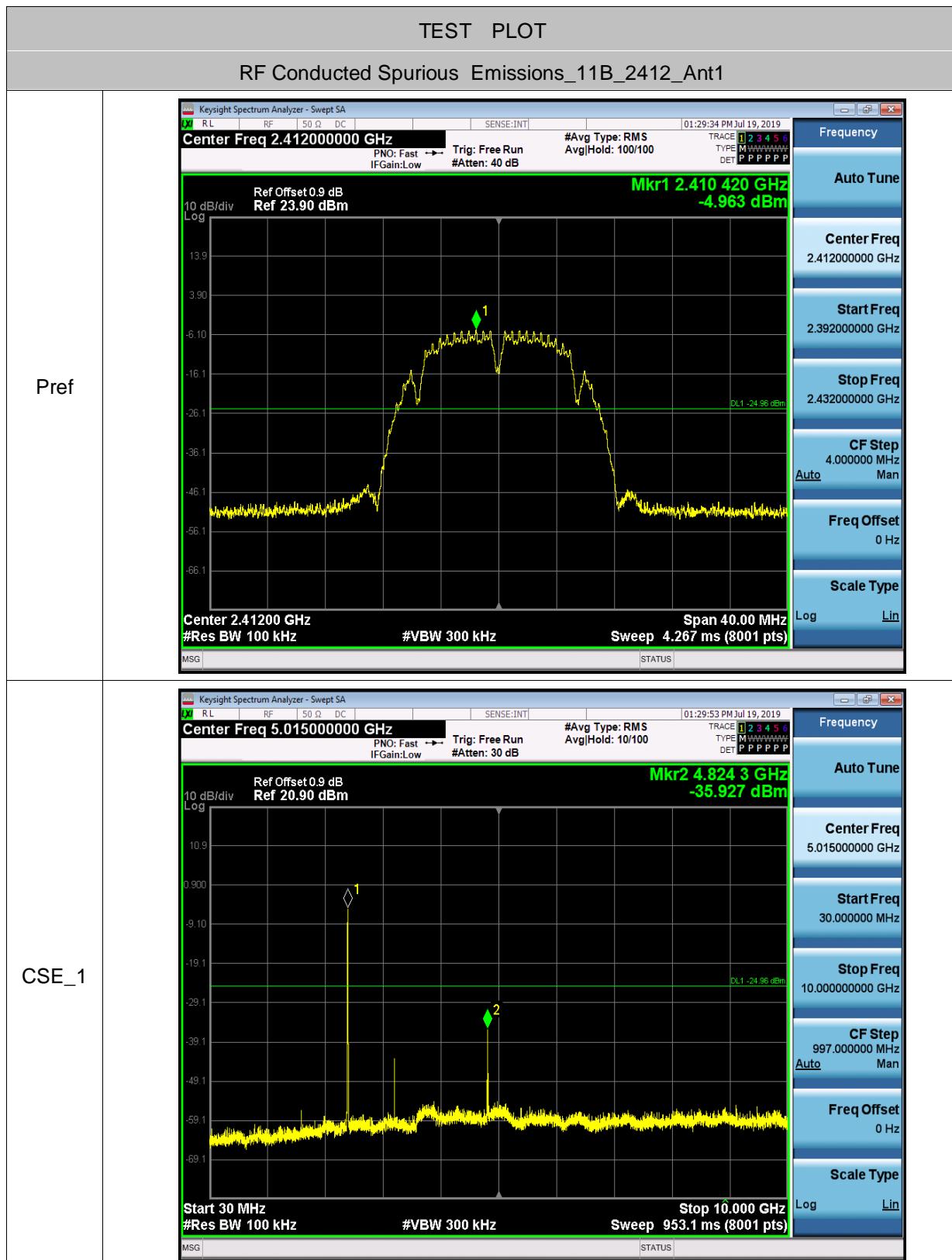
11N20SISO	2412	Ant1	10000	26000	100	300	-6.932	-51.965	<-26.932	PASS
11N20SISO	2442	Ant1	30	10000	100	300	-3.197	-42.963	<-23.197	PASS
11N20SISO	2442	Ant1	10000	26000	100	300	-3.197	-52.134	<-23.197	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-3.26	-42.436	<-23.26	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-3.26	-51.710	<-23.26	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-6.341	-43.490	<-26.341	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-6.341	-51.631	<-26.341	PASS
11N40SISO	2442	Ant1	30	10000	100	300	-6.533	-43.566	<-26.533	PASS
11N40SISO	2442	Ant1	10000	26000	100	300	-6.533	-51.004	<-26.533	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-10.299	-42.479	<-30.299	PASS
11N40SISO	2452	Ant1	10000	26000	100	300	-10.299	-51.647	<-30.299	PASS

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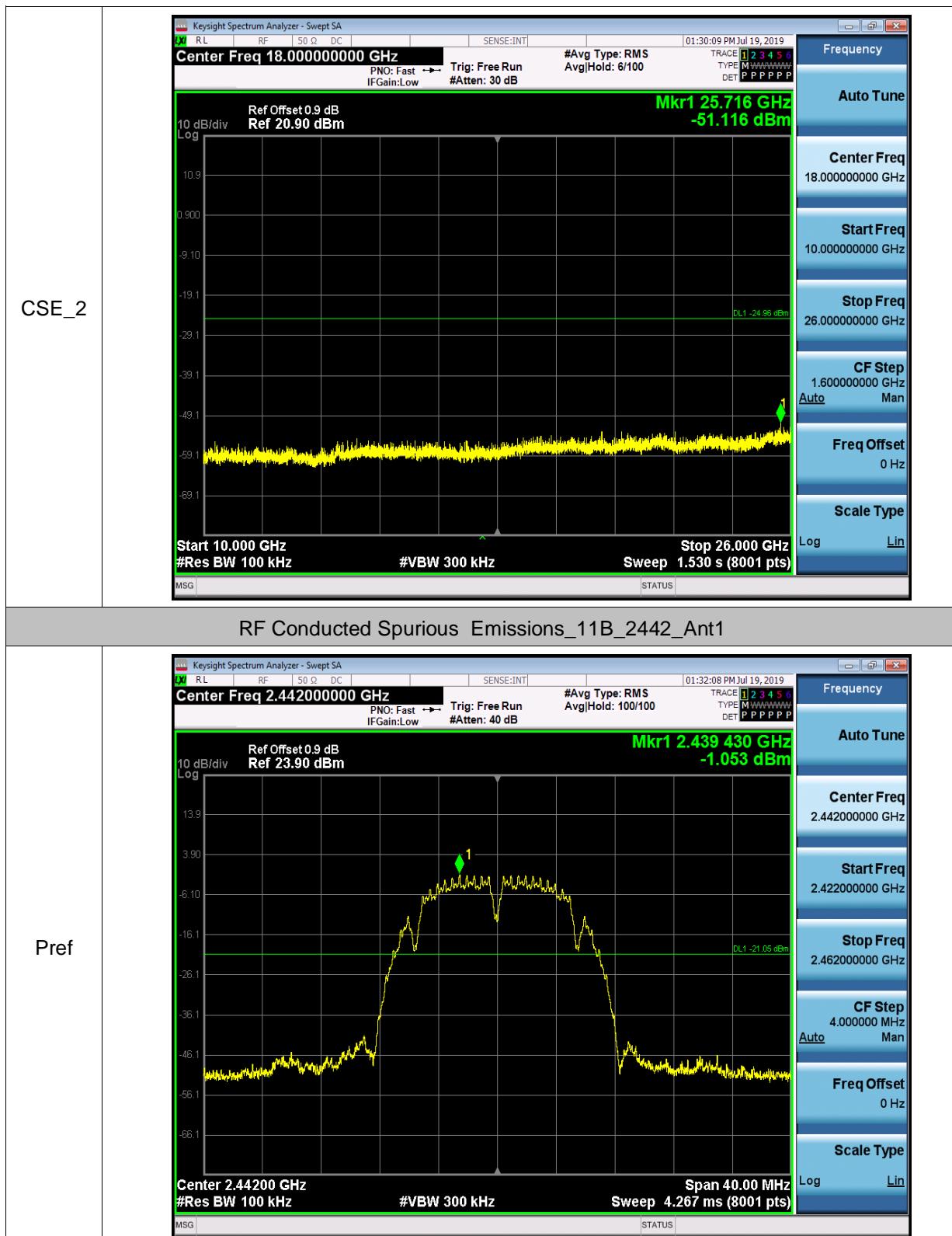
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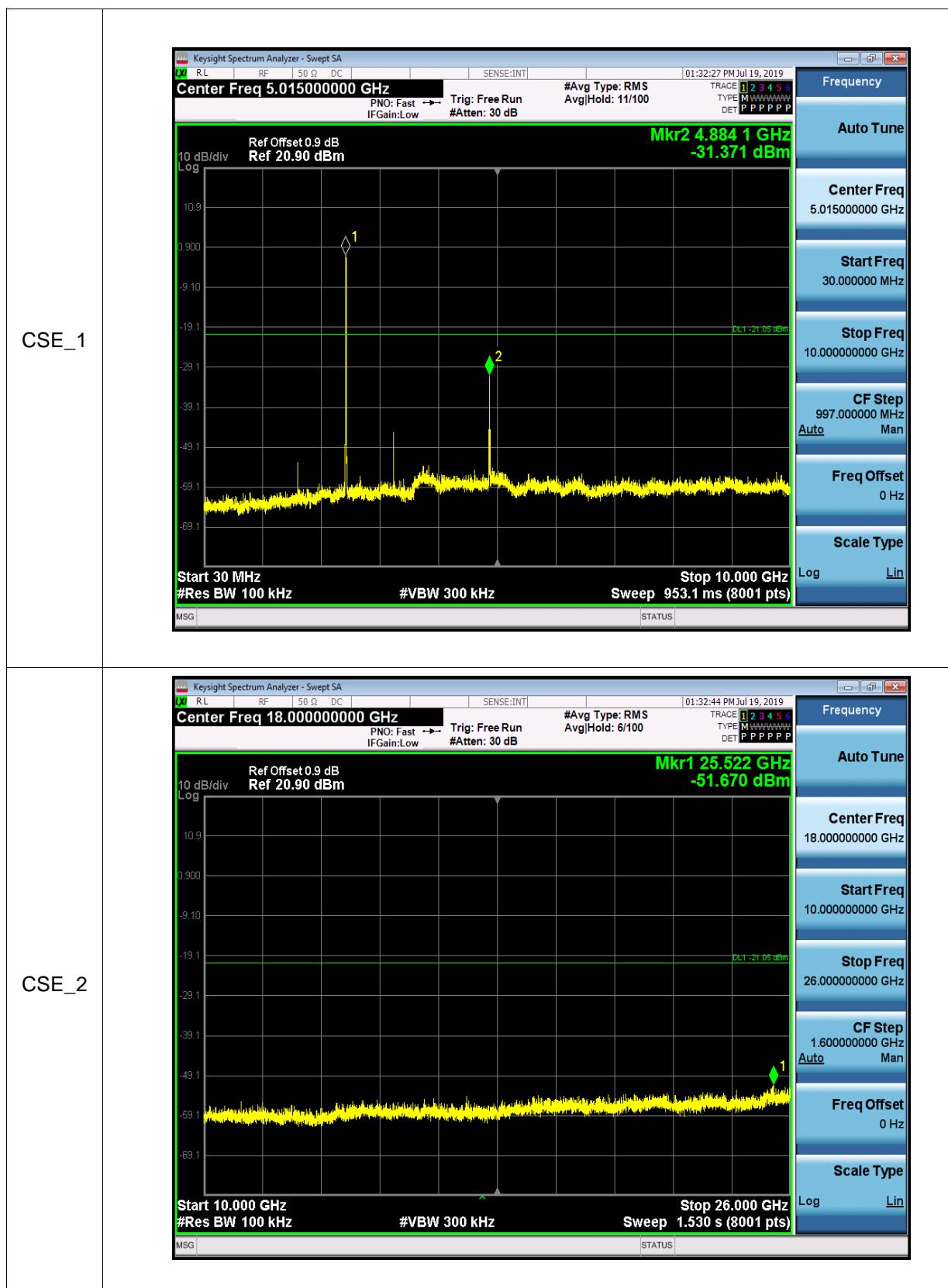


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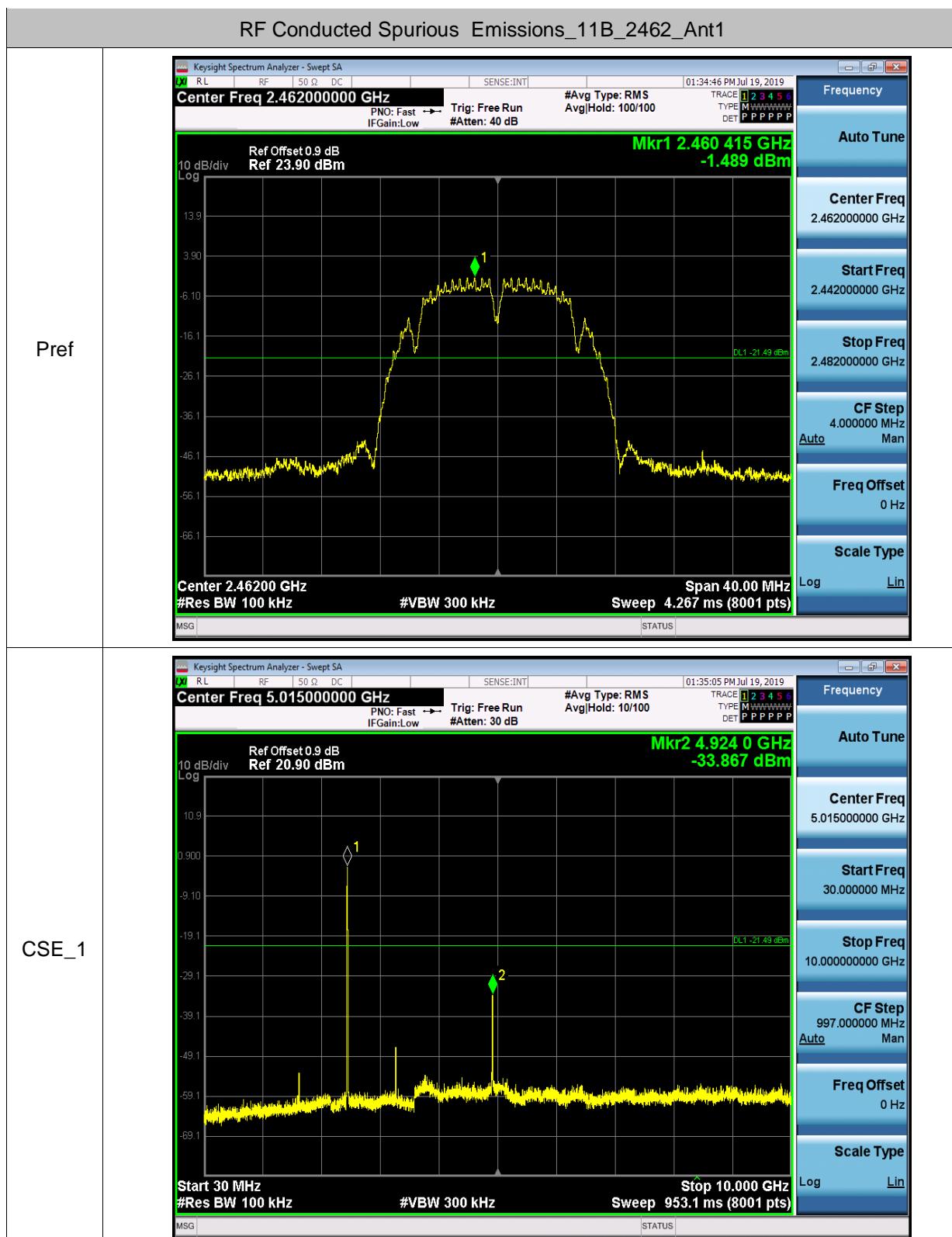


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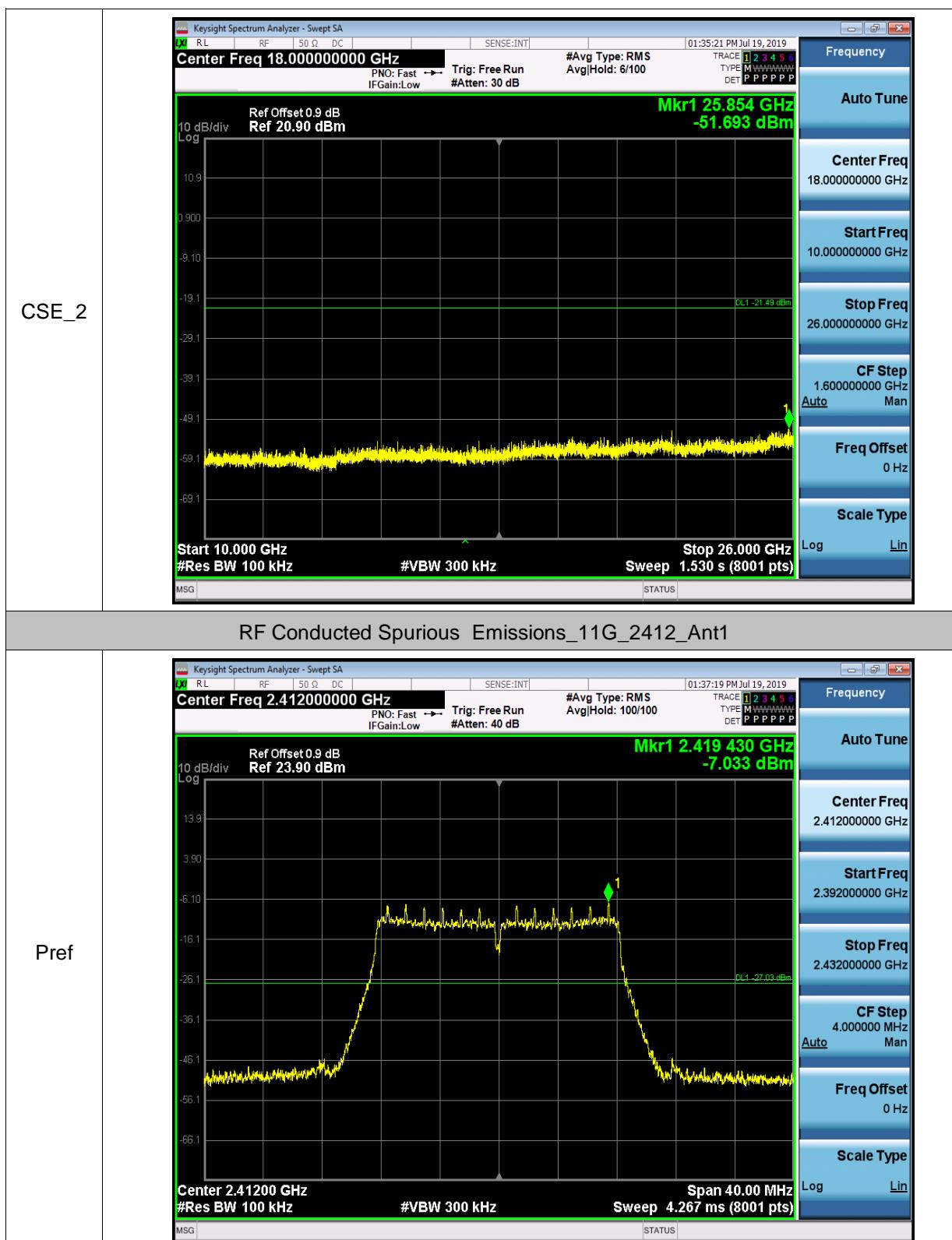


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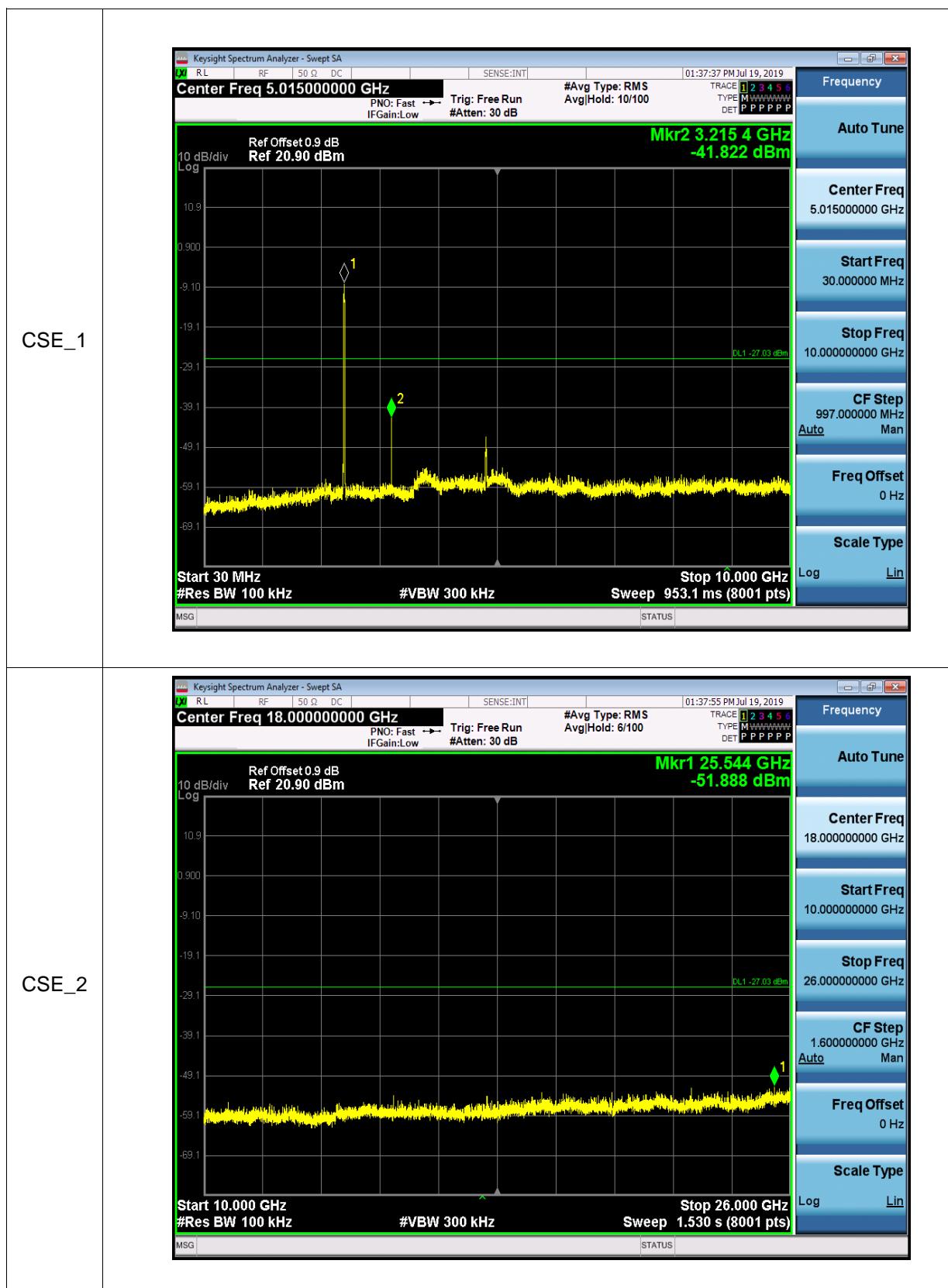


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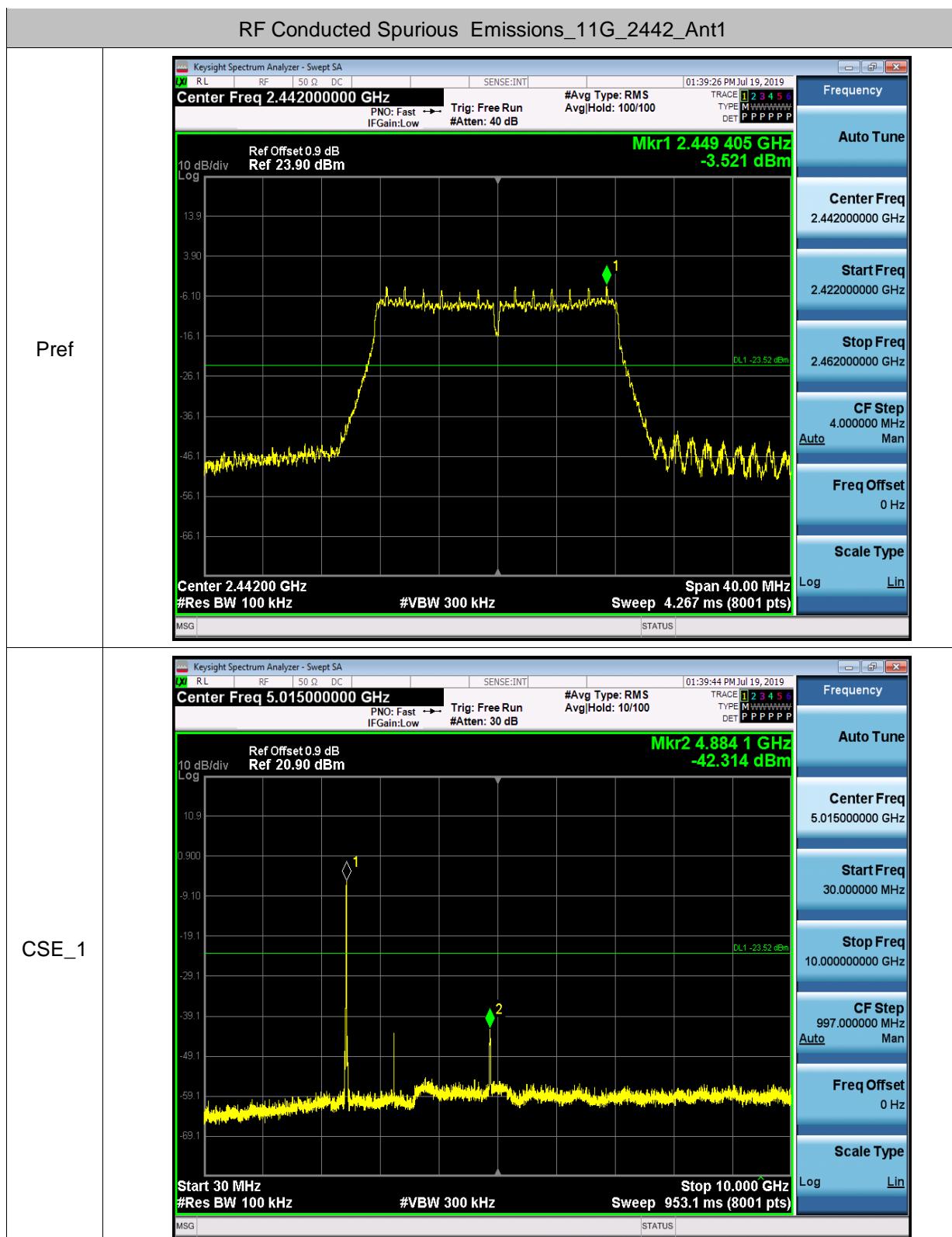
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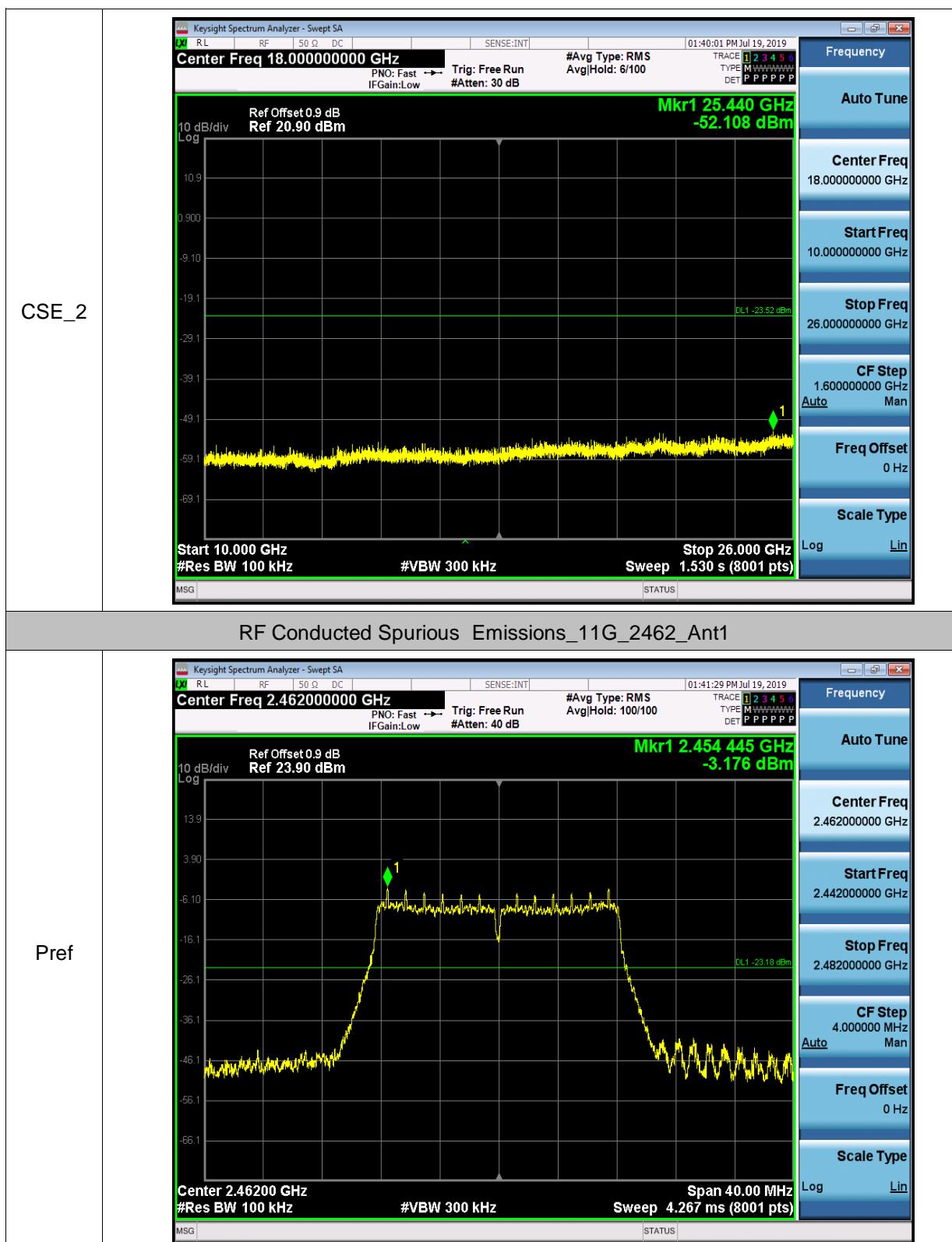


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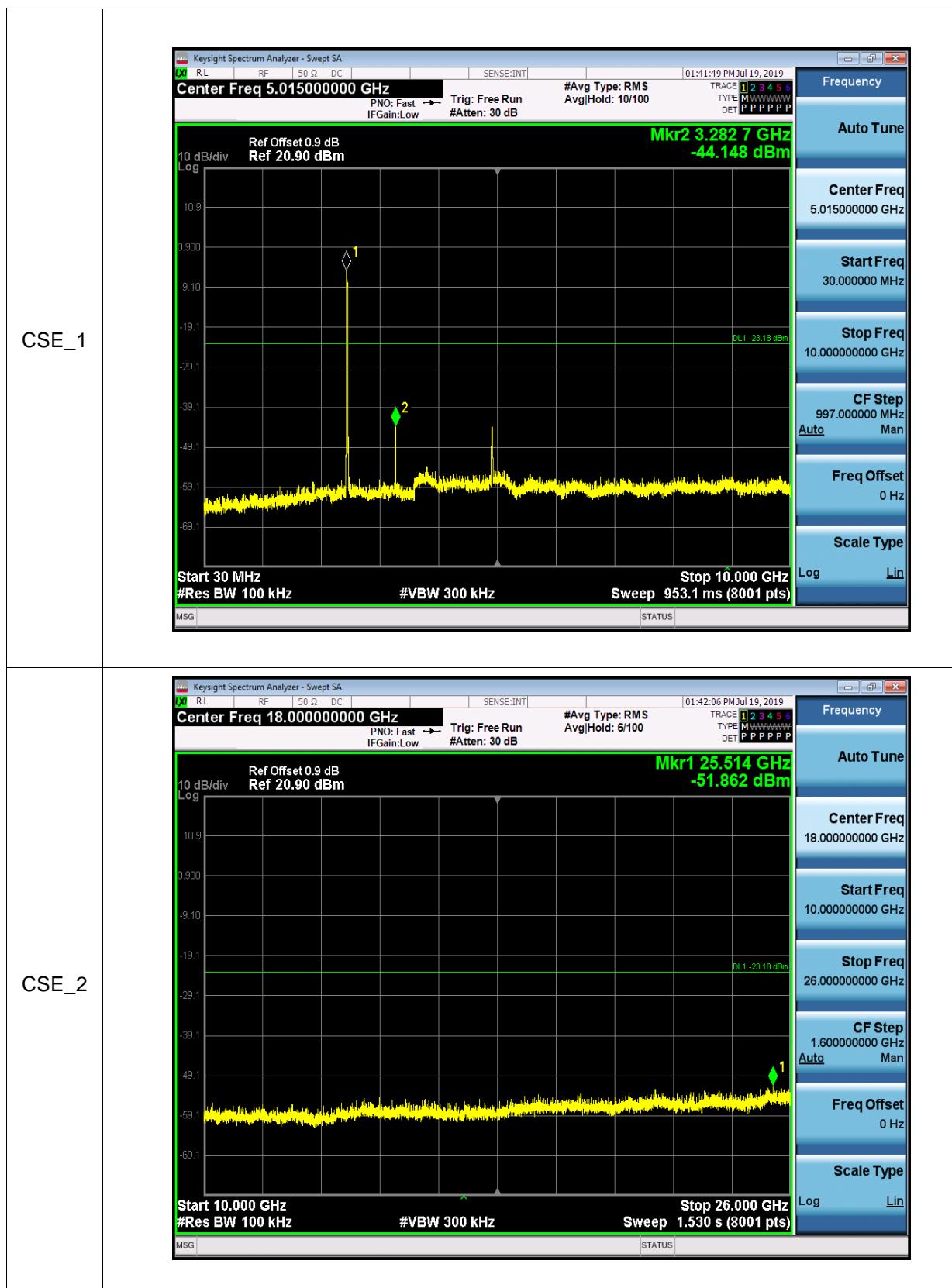


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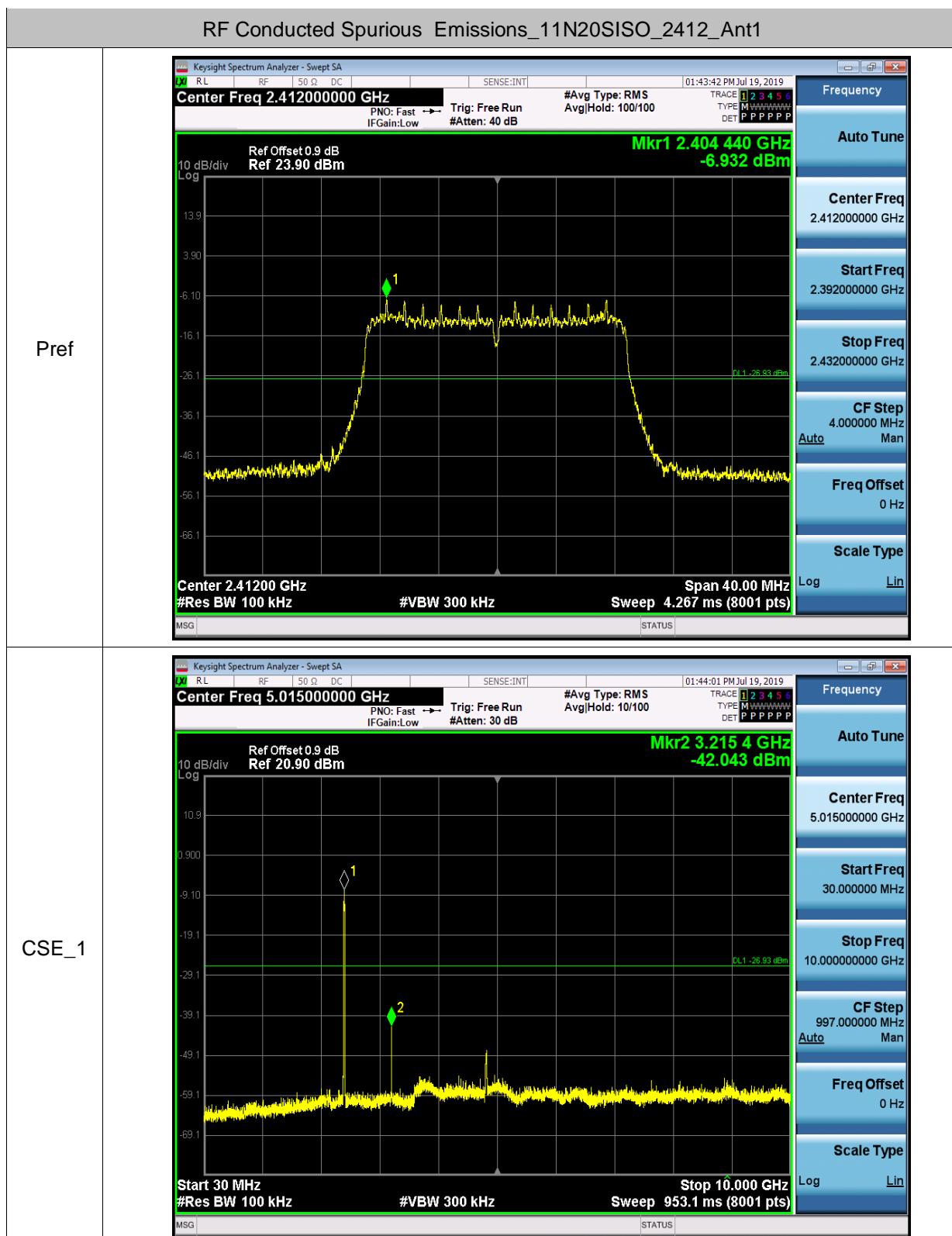


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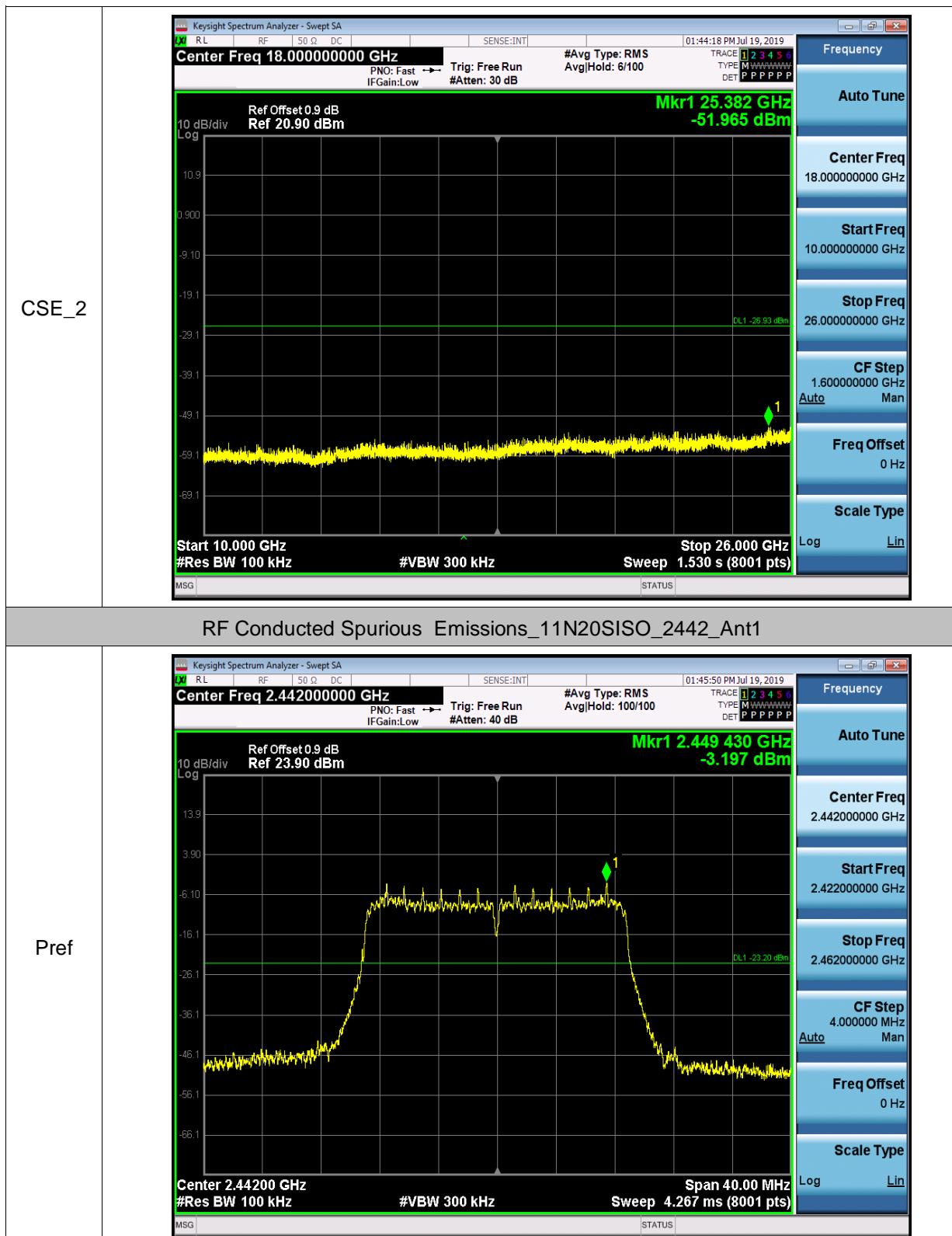


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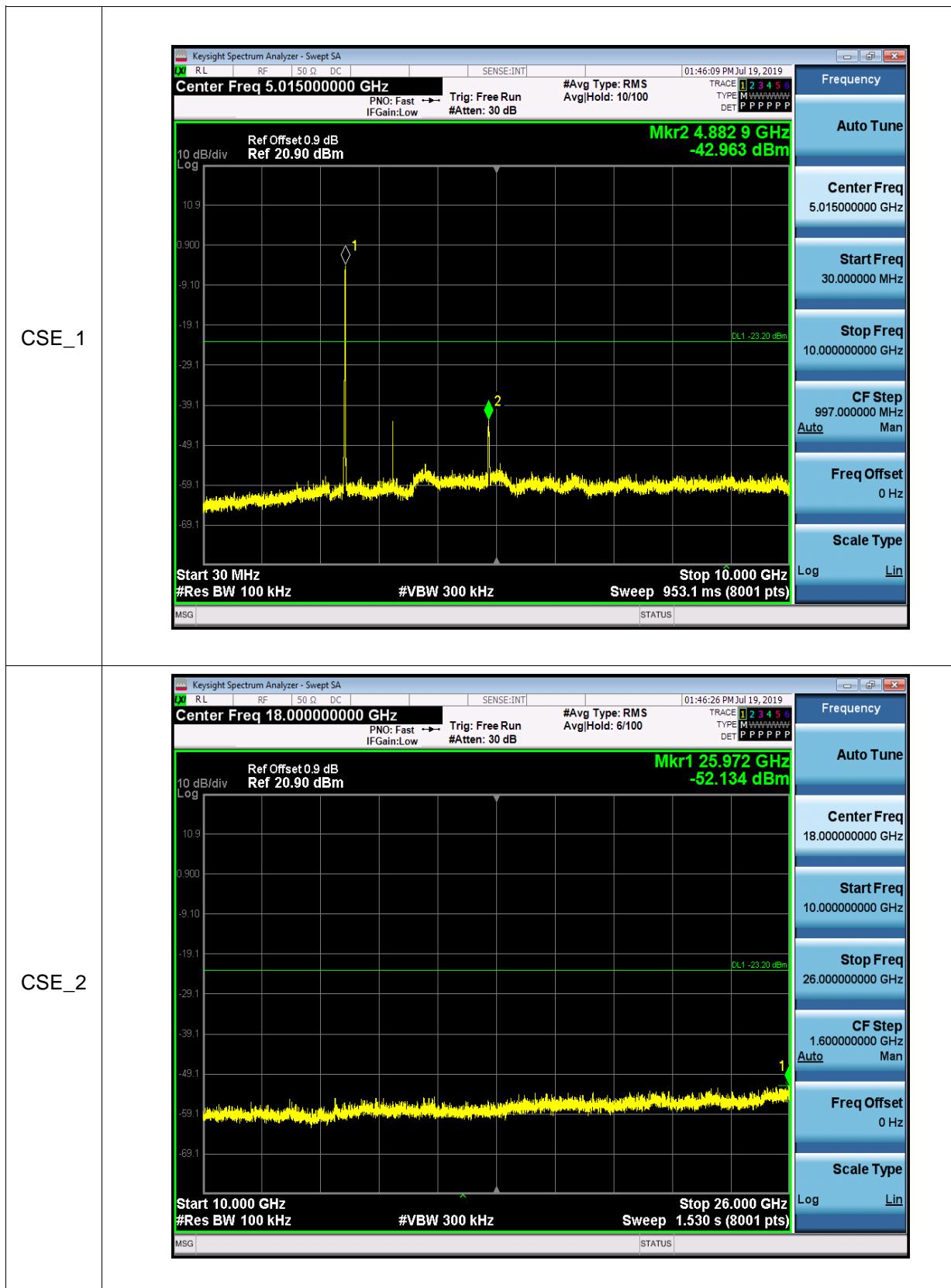


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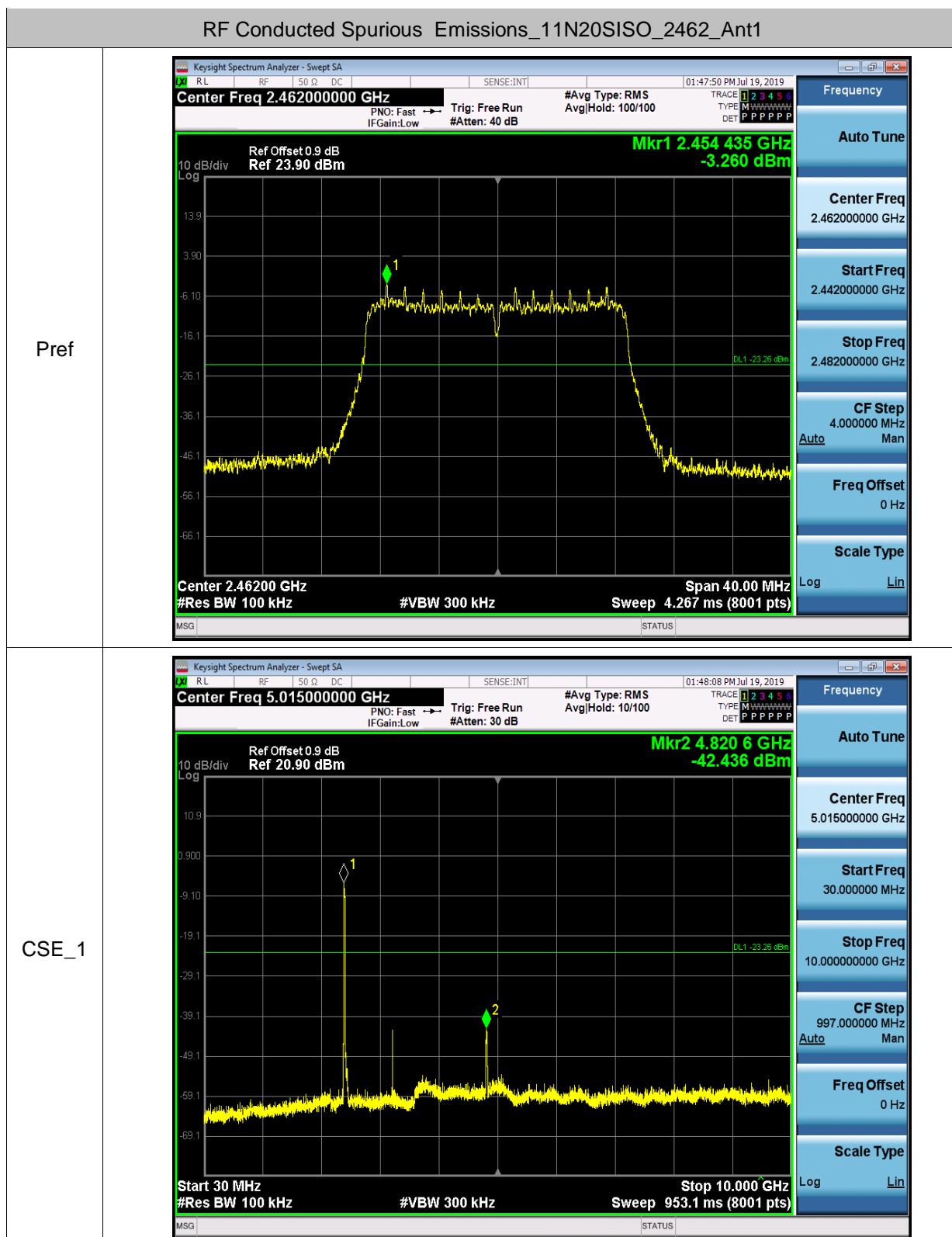


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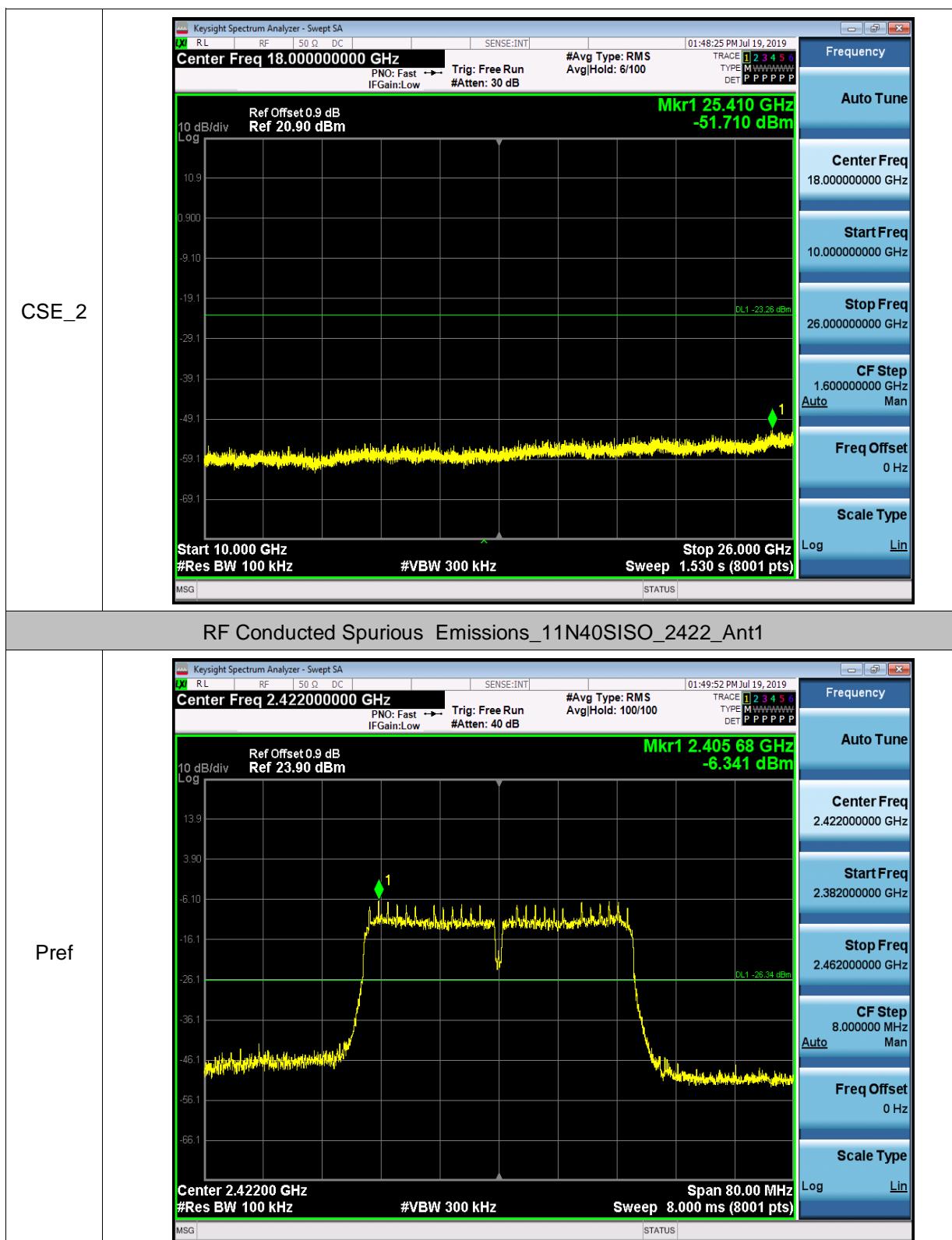


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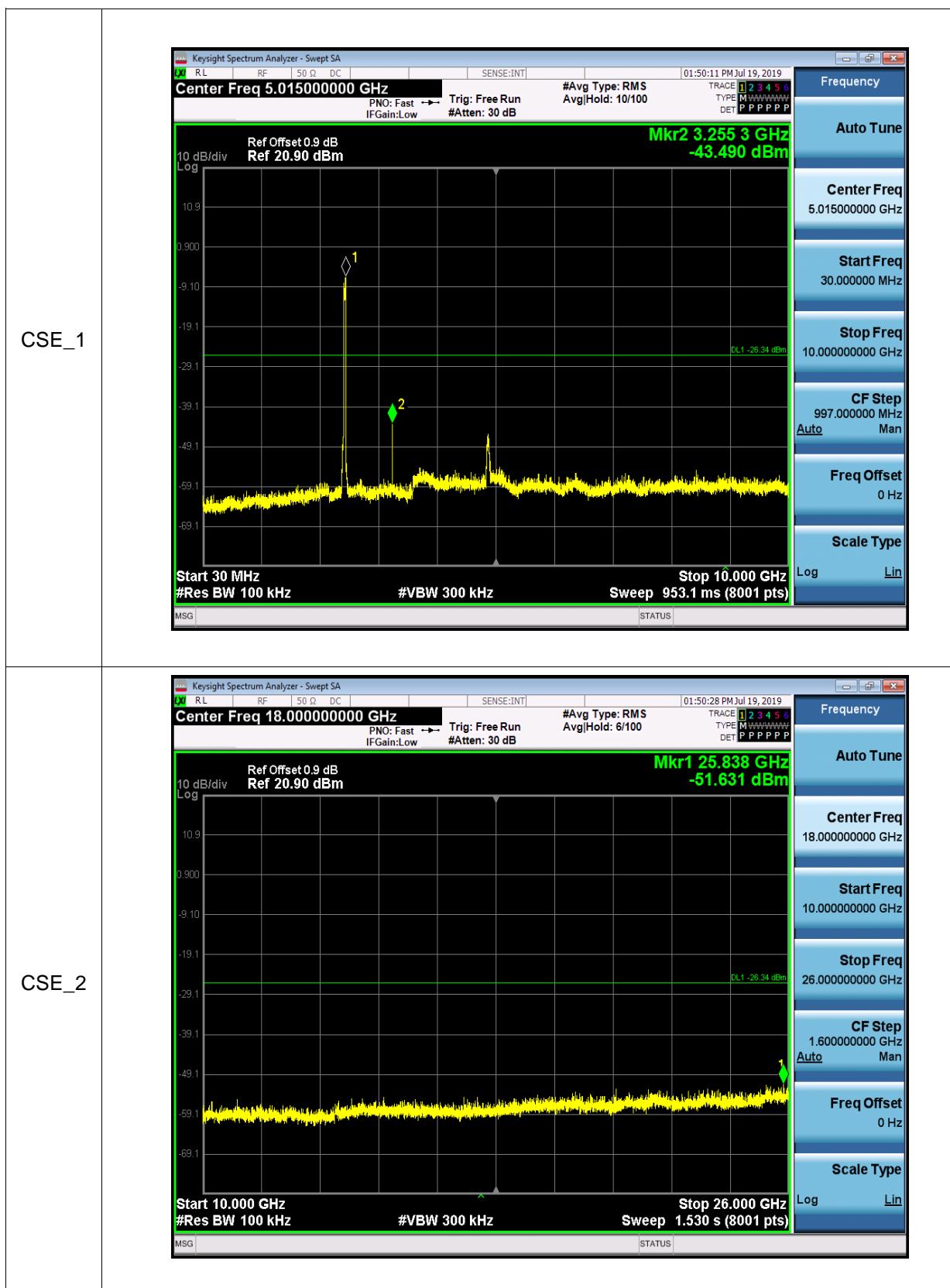


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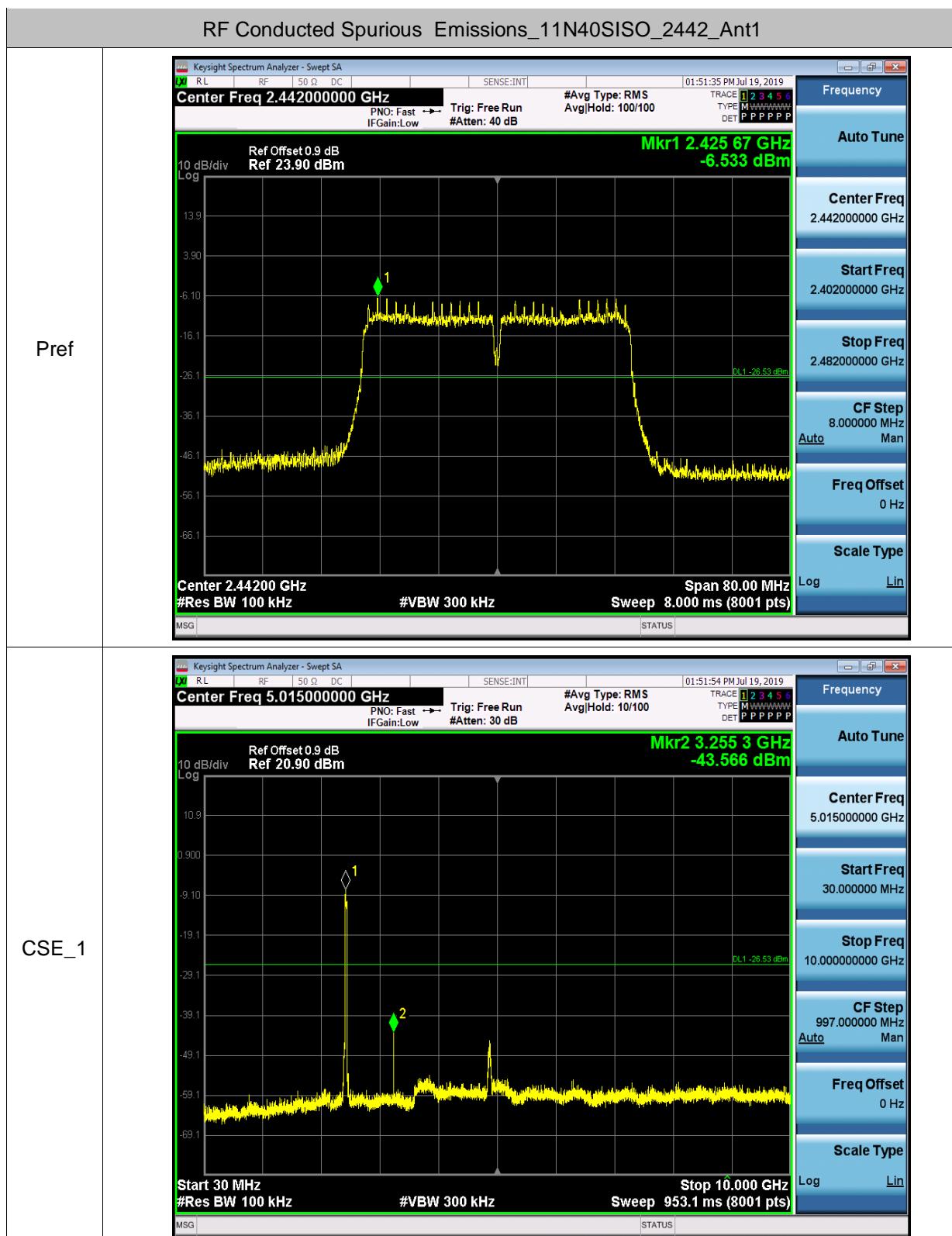


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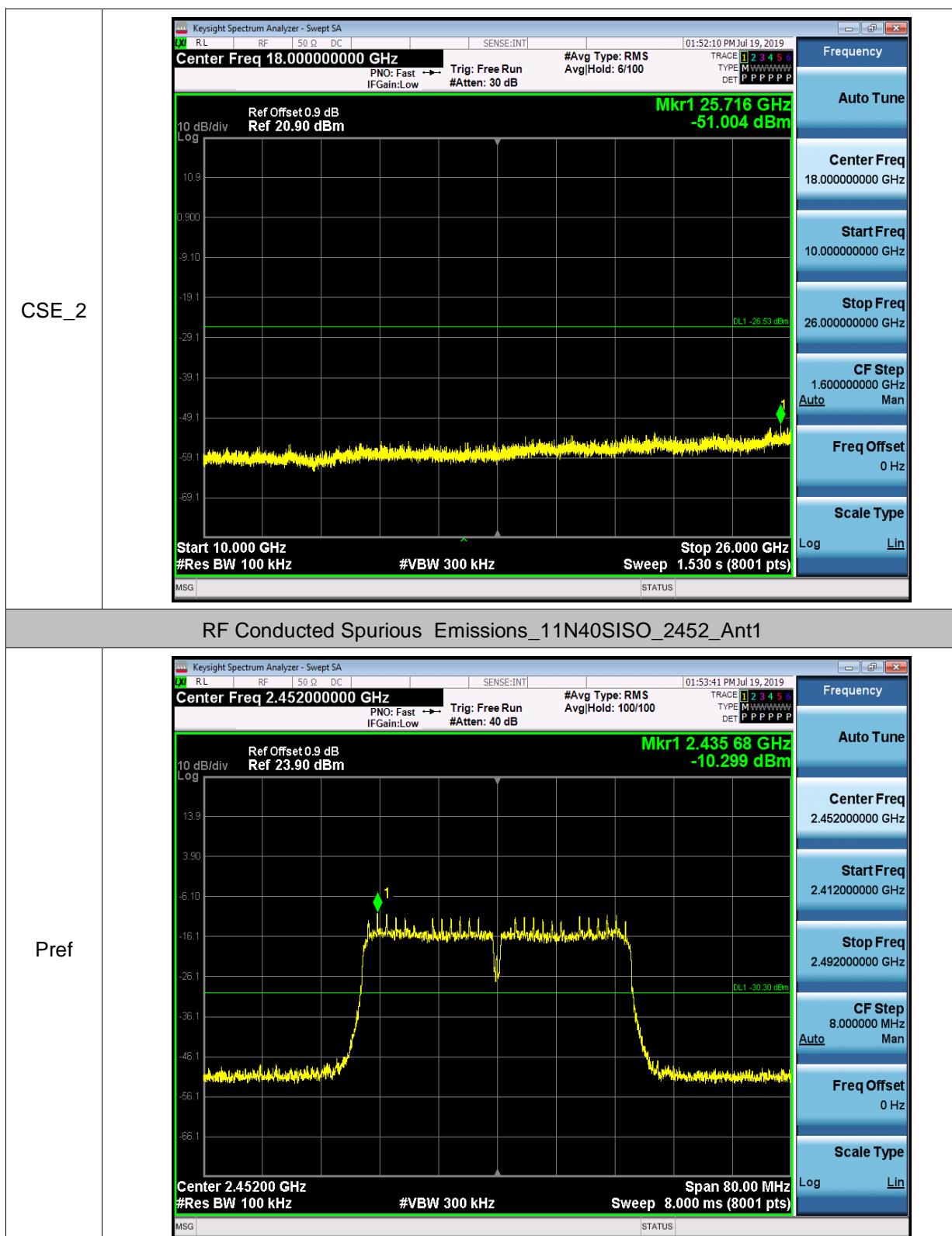


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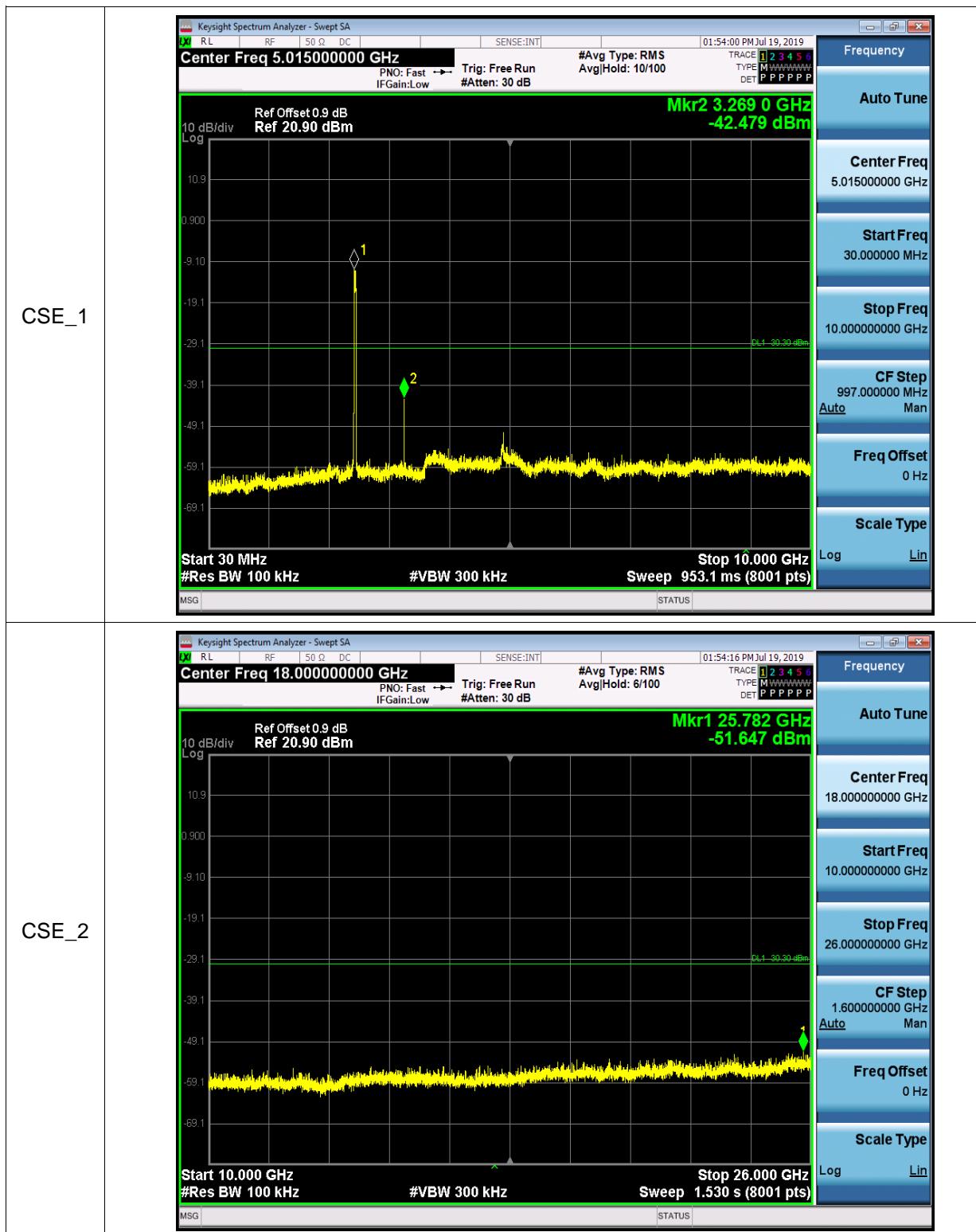


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--End of Report--

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