

Report No.: GZEM171200734701

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Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

Rea			Read	Antenna	Cable	Preamp		Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
3703.723	40.78	28.52	7.24	36.93	39.61	54.00	-14.39	HORIZONTAL		
3703.723	45.59	28.52	7.24	36.93	44.42	74.00	-29.58	HORIZONTAL		
4534.271	41.01	30.16	6.75	36.92	41.00	54.00	-13.00	HORIZONTAL		
4534.271	46.21	30.16	6.75	36.92	46.20	74.00	-27.80	HORIZONTAL		
4824.721	42.48	30.82	6.01	36.94	42.37	54.00	-11.63	HORIZONTAL		
4824.721	48.18	30.82	6.01	36.94	48.07	74.00	-25.93	HORIZONTAL		
7236.518	37.91	35.55	7.35	36.93	43.88	54.00	-10.12	HORIZONTAL		
7236.518	47.63	35.55	7.35	36.93	53.60	74.00	-20.40	HORIZONTAL		
9648.432	39.09	37.54	8.18	37.08	47.73	54.00	-6.27	HORIZONTAL		
9648.432	46.83	37.54	8.18	37.08	55.47	74.00	-18.53	HORIZONTAL		
12060.350	33.05	39.46	10.71	37.17	46.05	54.00	-7.95	HORIZONTAL		
12060.350	45.31	39.46	10.71	37.17	58.31	74.00	-15.69	HORIZONTAL		
	MHz 3703.723 3703.723 4534.271 4534.271 4824.721 4824.721 7236.518 7236.518 9648.432 9648.432 12060.350	MHz dBuV 3703.723 40.78 3703.723 45.59 4534.271 41.01 4534.271 46.21 4824.721 42.48 4824.721 48.18 7236.518 37.91 7236.518 47.63 9648.432 39.09 9648.432 46.83 12060.350 33.05	MHz dBuV dB/m 3703.723 40.78 28.52 3703.723 45.59 28.52 4534.271 41.01 30.16 4534.271 46.21 30.16 4824.721 42.48 30.82 4824.721 48.18 30.82 7236.518 37.91 35.55 7236.518 47.63 35.55 9648.432 39.09 37.54 9648.432 46.83 37.54 12060.350 33.05 39.46	Freq Level Factor Loss MHz dBuV dB/m dB 3703.723 40.78 28.52 7.24 3703.723 45.59 28.52 7.24 4534.271 41.01 30.16 6.75 4534.271 46.21 30.16 6.75 4824.721 42.48 30.82 6.01 4824.721 48.18 30.82 6.01 7236.518 37.91 35.55 7.35 7236.518 47.63 35.55 7.35 9648.432 39.09 37.54 8.18 9648.432 46.83 37.54 8.18 12060.350 33.05 39.46 10.71	Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 3703.723 40.78 28.52 7.24 36.93 3703.723 45.59 28.52 7.24 36.93 4534.271 41.01 30.16 6.75 36.92 4534.271 46.21 30.16 6.75 36.92 4824.721 42.48 30.82 6.01 36.94 4824.721 48.18 30.82 6.01 36.94 7236.518 37.91 35.55 7.35 36.93 7236.518 47.63 35.55 7.35 36.93 9648.432 39.09 37.54 8.18 37.08 9648.432 46.83 37.54 8.18 37.08 12060.350 33.05 39.46 10.71 37.17	Freq Level Factor Loss Factor Level MHz dBuV dB/m dB dB dBuV/m 3703.723 40.78 28.52 7.24 36.93 39.61 3703.723 45.59 28.52 7.24 36.93 44.42 4534.271 41.01 30.16 6.75 36.92 41.00 4534.271 46.21 30.16 6.75 36.92 46.20 4824.721 42.48 30.82 6.01 36.94 42.37 4824.721 48.18 30.82 6.01 36.94 48.07 7236.518 37.91 35.55 7.35 36.93 43.88 7236.518 47.63 35.55 7.35 36.93 53.60 9648.432 39.09 37.54 8.18 37.08 47.73 9648.432 46.83 37.54 8.18 37.08 55.47 12060.350 33.05 39.46 10.71 37.17 46.05 <td>Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m 3703.723 40.78 28.52 7.24 36.93 39.61 54.00 3703.723 45.59 28.52 7.24 36.93 44.42 74.00 4534.271 41.01 30.16 6.75 36.92 41.00 54.00 4534.271 46.21 30.16 6.75 36.92 46.20 74.00 4824.721 42.48 30.82 6.01 36.94 42.37 54.00 4824.721 48.18 30.82 6.01 36.94 48.07 74.00 7236.518 37.91 35.55 7.35 36.93 43.88 54.00 9648.432 39.09 37.54 8.18 37.08 47.73 54.00 9648.432 46.83 37.54 8.18 37.08 55.47 74.00 12060.350<</td> <td>Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m dB 3703.723 40.78 28.52 7.24 36.93 39.61 54.00 -14.39 3703.723 45.59 28.52 7.24 36.93 44.42 74.00 -29.58 4534.271 41.01 30.16 6.75 36.92 41.00 54.00 -13.00 4534.271 46.21 30.16 6.75 36.92 46.20 74.00 -27.80 4824.721 42.48 30.82 6.01 36.94 42.37 54.00 -11.63 4824.721 48.18 30.82 6.01 36.94 48.07 74.00 -25.93 7236.518 37.91 35.55 7.35 36.93 43.88 54.00 -10.12 7236.518 47.63 35.55 7.35 36.93 53.60 74.00 -20.40 <</td>	Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m 3703.723 40.78 28.52 7.24 36.93 39.61 54.00 3703.723 45.59 28.52 7.24 36.93 44.42 74.00 4534.271 41.01 30.16 6.75 36.92 41.00 54.00 4534.271 46.21 30.16 6.75 36.92 46.20 74.00 4824.721 42.48 30.82 6.01 36.94 42.37 54.00 4824.721 48.18 30.82 6.01 36.94 48.07 74.00 7236.518 37.91 35.55 7.35 36.93 43.88 54.00 9648.432 39.09 37.54 8.18 37.08 47.73 54.00 9648.432 46.83 37.54 8.18 37.08 55.47 74.00 12060.350<	Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m dB 3703.723 40.78 28.52 7.24 36.93 39.61 54.00 -14.39 3703.723 45.59 28.52 7.24 36.93 44.42 74.00 -29.58 4534.271 41.01 30.16 6.75 36.92 41.00 54.00 -13.00 4534.271 46.21 30.16 6.75 36.92 46.20 74.00 -27.80 4824.721 42.48 30.82 6.01 36.94 42.37 54.00 -11.63 4824.721 48.18 30.82 6.01 36.94 48.07 74.00 -25.93 7236.518 37.91 35.55 7.35 36.93 43.88 54.00 -10.12 7236.518 47.63 35.55 7.35 36.93 53.60 74.00 -20.40 <		

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	-
1	2648.664	42.97	26.91	5.00	37.33	37.55	54.00	-16.45	VERTICAL
2	2648.664	48.14	26.91	5.00	37.33	42.72	74.00	-31.28	VERTICAL
3	3280.326	40.73	27.90	5.75	36.99	37.39	54.00	-16.61	VERTICAL
4	3280.326	47.64	27.90	5.75	36.99	44.30	74.00	-29.70	VERTICAL
5	4824.589	39.37	30.82	6.01	36.94	39.26	54.00	-14.74	VERTICAL
6	4824.589	46.65	30.82	6.01	36.94	46.54	74.00	-27.46	VERTICAL
7	7236.762	37.26	35.55	7.35	36.93	43.23	54.00	-10.77	VERTICAL
8	7236.762	43.57	35.55	7.35	36.93	49.54	74.00	-24.46	VERTICAL
9	9648.310	37.67	37.54	8.18	37.08	46.31	54.00	-7.69	VERTICAL
10	9648.310	45.38	37.54	8.18	37.08	54.02	74.00	-19.98	VERTICAL
11	12060.910	36.36	39.46	10.71	37.17	49.36	54.00	-4.64	VERTICAL
12	12060.910	43.74	39.46	10.71	37.17	56.74	74.00	-17.26	VERTICAL



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Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel middle: 2442Mhz

		ReadA	Intenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2990.531	41.17	27.89	4.63	37.08	36.61	54.00	-17.39	HORIZONTAL
2	2990.531	48.15	27.89	4.63	37.08	43.59	74.00	-30.41	HORIZONTAL
3	3834.438	40.75	29.12	7.80	36.91	40.76	54.00	-13.24	HORIZONTAL
4	3834.438	45.73	29.12	7.80	36.91	45.74	74.00	-28.26	HORIZONTAL
5	4884.058	39.48	30.95	6.86	36.95	40.34	54.00	-13.66	HORIZONTAL
6	4884.058	47.35	30.95	6.86	36.95	48.21	74.00	-25.79	HORIZONTAL
7	7326.999	38.07	35.74	7.39	36.92	44.28	54.00	-9.72	HORIZONTAL
8	7326.999	43.33	35.74	7.39	36.92	49.54	74.00	-24.46	HORIZONTAL
9	9768.945	38.89	37.74	8.37	37.09	47.91	54.00	-6.09	HORIZONTAL
10	9768.945	43.09	37.74	8.37	37.09	52.11	74.00	-21.89	HORIZONTAL
11	12060.210	36.49	39.46	10.71	37.17	49.49	54.00	-4.51	HORIZONTAL
12	12060.210	44.35	39.46	10.71	37.17	57.35	74.00	-16.65	HORIZONTAL

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel middle: 2442Mhz

		ReadA	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2880.247	40.06	27.72	4.84	37.14	35.48	54.00	-18.52	VERTICAL
2	2880.247	44.40	27.72	4.84	37.14	39.82	74.00	-34.18	VERTICAL
3	3746.792	39.08	28.76	7.58	36.92	38.50	54.00	-15.50	VERTICAL
4	3746.792	45.31	28.76	7.58	36.92	44.73	74.00	-29.27	VERTICAL
5	4884.620	38.25	30.95	6.86	36.95	39.11	54.00	-14.89	VERTICAL
6	4884.620	45.22	30.95	6.86	36.95	46.08	74.00	-27.92	VERTICAL
7	7236.049	39.41	35.55	7.35	36.93	45.38	54.00	-8.62	VERTICAL
8	7236.049	45.37	35.55	7.35	36.93	51.34	74.00	-22.66	VERTICAL
9	9648.349	39.67	37.54	8.18	37.08	48.31	54.00	-5.69	VERTICAL
10	9648.349	45.28	37.54	8.18	37.08	53.92	74.00	-20.08	VERTICAL
11	12060.850	35.77	39.46	10.71	37.17	48.77	54.00	-5.23	VERTICAL
12	12060.850	43.68	39.46	10.71	37.17	56.68	74.00	-17.32	VERTICAL



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Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel High: 2462Mhz

	ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3007.868	42.97	27.90	4.65	37.07	38.45	54.00	-15.55	HORIZONTAL
2	3007.868	48.10	27.90	4.65	37.07	43.58	74.00	-30.42	HORIZONTAL
3	3567.138	40.38	28.06	6.28	36.94	37.78	54.00	-16.22	HORIZONTAL
4	3567.138	45.96	28.06	6.28	36.94	43.36	74.00	-30.64	HORIZONTAL
5	4924.255	38.86	31.01	7.49	36.95	40.41	54.00	-13.59	HORIZONTAL
6	4924.255	45.12	31.01	7.49	36.95	46.67	74.00	-27.33	HORIZONTAL
7	7386.760	35.13	35.85	7.42	36.92	41.48	54.00	-12.52	HORIZONTAL
8	7386.760	40.32	35.85	7.42	36.92	46.67	74.00	-27.33	HORIZONTAL
9	9848.833	33.88	37.82	8.46	37.09	43.07	54.00	-10.93	HORIZONTAL
10	9848.833	38.77	37.82	8.46	37.09	47.96	74.00	-26.04	HORIZONTAL
11	12310.220	34.43	39.03	11.10	36.97	47.59	54.00	-6.41	HORIZONTAL
12	12310.220	41.17	39.03	11.10	36.97	54.33	74.00	-19.67	HORIZONTAL

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel High: 2462Mhz

		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2922.174	42.15	27.79	4.81	37.12	37.63	54.00	-16.37	VERTICAL
2	2922.174	46.69	27.79	4.81	37.12	42.17	74.00	-31.83	VERTICAL
3	3725.195	42.97	28.64	7.42	36.92	42.11	54.00	-11.89	VERTICAL
4	3725.195	46.91	28.64	7.42	36.92	46.05	74.00	-27.95	VERTICAL
5	4924.150	38.88	31.01	7.49	36.95	40.43	54.00	-13.57	VERTICAL
6	4924.150	44.19	31.01	7.49	36.95	45.74	74.00	-28.26	VERTICAL
7	7386.207	39.02	35.85	7.42	36.92	45.37	54.00	-8.63	VERTICAL
8	7386.207	44.45	35.85	7.42	36.92	50.80	74.00	-23.20	VERTICAL
9	9848.725	37.99	37.82	8.46	37.09	47.18	54.00	-6.82	VERTICAL
10	9848.725	44.71	37.82	8.46	37.09	53.90	74.00	-20.10	VERTICAL
11	12310.000	35.58	39.03	11.10	36.97	48.74	54.00	-5.26	VERTICAL
12	12310.000	44.04	39.03	11.10	36.97	57.20	74.00	-16.80	VERTICAL



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Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

	ReadAnt		Antenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2822.558	41.99	27.59	4.73	37.21	37.10	54.00	-16.90	HORIZONTAL
2	2822.558	47.96	27.59	4.73	37.21	43.07	74.00	-30.93	HORIZONTAL
3	3823.371	40.15	29.08	7.83	36.91	40.15	54.00	-13.85	HORIZONTAL
4	3823.371	46.58	29.08	7.83	36.91	46.58	74.00	-27.42	HORIZONTAL
5	4824.721	41.48	30.82	6.01	36.94	41.37	54.00	-12.63	HORIZONTAL
6	4824.721	48.18	30.82	6.01	36.94	48.07	74.00	-25.93	HORIZONTAL
7	7236.167	37.23	35.55	7.35	36.93	43.20	54.00	-10.80	HORIZONTAL
8	7236.167	44.27	35.55	7.35	36.93	50.24	74.00	-23.76	HORIZONTAL
9	9648.200	38.57	37.54	8.18	37.08	47.21	54.00	-6.79	HORIZONTAL
10	9648.200	44.86	37.54	8.18	37.08	53.50	74.00	-20.50	HORIZONTAL
11	12060.070	35.04	39.46	10.71	37.17	48.04	54.00	-5.96	HORIZONTAL
12	12060.070	45.87	39.46	10.71	37.17	58.87	74.00	-15.13	HORIZONTAL

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

	ReadA		Antenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2822.558	42.18	27.59	4.73	37.21	37.29	54.00	-16.71	VERTICAL
2	2822.558	47.01	27.59	4.73	37.21	42.12	74.00	-31.88	VERTICAL
3	3261.418	41.27	27.90	5.80	36.99	37.98	54.00	-16.02	VERTICAL
4	3261.418	46.66	27.90	5.80	36.99	43.37	74.00	-30.63	VERTICAL
5	4824.921	40.37	30.82	6.01	36.94	40.26	54.00	-13.74	VERTICAL
6	4824.921	45.31	30.82	6.01	36.94	45.20	74.00	-28.80	VERTICAL
7	7236.732	37.96	35.55	7.35	36.93	43.93	54.00	-10.07	VERTICAL
8	7236.732	42.50	35.55	7.35	36.93	48.47	74.00	-25.53	VERTICAL
9	9648.200	38.31	37.54	8.18	37.08	46.95	54.00	-7.05	VERTICAL
10	9648.200	45.63	37.54	8.18	37.08	54.27	74.00	-19.73	VERTICAL
11	12210.520	34.90	39.21	10.98	37.06	48.03	54.00	-5.97	VERTICAL
12	12210.520	44.69	39.21	10.98	37.06	57.82	74.00	-16.18	VERTICAL



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Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel middle: 2442Mhz

		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2913.740	39.19	27.78	4.83	37.12	34.68	54.00	-19.32	HORIZONTAL
2	2913.740	44.82	27.78	4.83	37.12	40.31	74.00	-33.69	HORIZONTAL
3	3845.537	36.44	29.15	7.77	36.91	36.45	54.00	-17.55	HORIZONTAL
4	3845.537	43.99	29.15	7.77	36.91	44.00	74.00	-30.00	HORIZONTAL
5	4844.721	40.43	30.88	6.31	36.94	40.68	54.00	-13.32	HORIZONTAL
6	4844.721	46.83	30.88	6.31	36.94	47.08	74.00	-26.92	HORIZONTAL
7	7266.852	37.32	35.60	7.36	36.92	43.36	54.00	-10.64	HORIZONTAL
8	7266.852	43.35	35.60	7.36	36.92	49.39	74.00	-24.61	HORIZONTAL
9	9768.164	39.34	37.74	8.37	37.09	48.36	54.00	-5.64	HORIZONTAL
10	9768.164	45.45	37.74	8.37	37.09	54.47	74.00	-19.53	HORIZONTAL
11	12210.900	34.00	39.21	10.98	37.06	47.13	54.00	-6.87	HORIZONTAL
12	12210.900	44.67	39.21	10.98	37.06	57.80	74.00	-16.20	HORIZONTAL

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel middle: 2442Mhz

		Read/	Antenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2625.796	42.01	26.85	5.06	37.35	36.57	54.00	-17.43	VERTICAL
2	2625.796	47.36	26.85	5.06	37.35	41.92	74.00	-32.08	VERTICAL
3	3901.516	39.83	29.30	7.56	36.91	39.78	54.00	-14.22	VERTICAL
4	3901.516	46.45	29.30	7.56	36.91	46.40	74.00	-27.60	VERTICAL
5	4884.999	39.23	30.95	6.86	36.95	40.09	54.00	-13.91	VERTICAL
6	4884.999	44.53	30.95	6.86	36.95	45.39	74.00	-28.61	VERTICAL
7	7326.026	37.13	35.74	7.39	36.92	43.34	54.00	-10.66	VERTICAL
8	7326.026	41.41	35.74	7.39	36.92	47.62	74.00	-26.38	VERTICAL
9	9768.151	39.97	37.74	8.37	37.09	48.99	54.00	-5.01	VERTICAL
10	9768.151	45.20	37.74	8.37	37.09	54.22	74.00	-19.78	VERTICAL
11	12210.930	35.49	39.21	10.98	37.06	48.62	54.00	-5.38	VERTICAL
12	12210.930	46.20	39.21	10.98	37.06	59.33	74.00	-14.67	VERTICAL



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Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel High: 2462Mhz

	Read	Antenna	Cable	Preamp		Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2964.712	42.94	27.85	4.69	37.09	38.39	54.00	-15.61	HORIZONTAL
2964.712	47.23	27.85	4.69	37.09	42.68	74.00	-31.32	HORIZONTAL
4379.699	40.42	30.00	6.12	36.91	39.63	54.00	-14.37	HORIZONTAL
4379.699	46.35	30.00	6.12	36.91	45.56	74.00	-28.44	HORIZONTAL
4924.928	39.06	31.01	7.49	36.95	40.61	54.00	-13.39	HORIZONTAL
4924.928	45.97	31.01	7.49	36.95	47.52	74.00	-26.48	HORIZONTAL
7386.616	33.47	35.85	7.42	36.92	39.82	54.00	-14.18	HORIZONTAL
7386.616	40.35	35.85	7.42	36.92	46.70	74.00	-27.30	HORIZONTAL
9848.806	36.48	37.82	8.46	37.09	45.67	54.00	-8.33	HORIZONTAL
9848.806	41.28	37.82	8.46	37.09	50.47	74.00	-23.53	HORIZONTAL
12310.070	34.39	39.03	11.10	36.97	47.55	54.00	-6.45	HORIZONTAL
12310.070	45.84	39.03	11.10	36.97	59.00	74.00	-15.00	HORIZONTAL
	MHz 2964.712 2964.712 4379.699 4379.699 4924.928 4924.928 7386.616 7386.616 9848.806 9848.806 12310.070	MHz dBuV 2964.712 42.94 2964.712 47.23 4379.699 40.42 4379.699 46.35 4924.928 39.06 4924.928 45.97 7386.616 33.47 7386.616 40.35 9848.806 36.48 9848.806 41.28 12310.070 34.39	MHz dBuV dB/m 2964.712 42.94 27.85 2964.712 47.23 27.85 4379.699 40.42 30.00 4379.699 46.35 30.00 4924.928 39.06 31.01 4924.928 45.97 31.01 7386.616 33.47 35.85 7386.616 40.35 35.85 9848.806 36.48 37.82 9848.806 41.28 37.82 12310.070 34.39 39.03	Freq Level Factor Loss MHz dBuV dB/m dB 2964.712 42.94 27.85 4.69 2964.712 47.23 27.85 4.69 4379.699 40.42 30.00 6.12 4379.699 46.35 30.00 6.12 4924.928 39.06 31.01 7.49 7386.616 33.47 35.85 7.42 7386.616 40.35 35.85 7.42 9848.806 36.48 37.82 8.46 9848.806 41.28 37.82 8.46 12310.070 34.39 39.03 11.10	Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 2964.712 42.94 27.85 4.69 37.09 2964.712 47.23 27.85 4.69 37.09 4379.699 40.42 30.00 6.12 36.91 4379.699 46.35 30.00 6.12 36.91 4924.928 39.06 31.01 7.49 36.95 7386.616 33.47 35.85 7.42 36.92 7386.616 40.35 35.85 7.42 36.92 9848.806 36.48 37.82 8.46 37.09 9848.806 41.28 37.82 8.46 37.09 12310.070 34.39 39.03 11.10 36.97	Freq Level Factor Loss Factor Level MHz dBuV dB/m dB dB dBuV/m 2964.712 42.94 27.85 4.69 37.09 38.39 2964.712 47.23 27.85 4.69 37.09 42.68 4379.699 40.42 30.00 6.12 36.91 39.63 4379.699 46.35 30.00 6.12 36.91 45.56 4924.928 39.06 31.01 7.49 36.95 40.61 4924.928 45.97 31.01 7.49 36.95 47.52 7386.616 33.47 35.85 7.42 36.92 39.82 7386.616 40.35 35.85 7.42 36.92 46.70 9848.806 36.48 37.82 8.46 37.09 50.47 9848.806 41.28 37.82 8.46 37.09 50.47 12310.070 34.39 39.03 11.10 36.97 47.55 <td>Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m 2964.712 42.94 27.85 4.69 37.09 38.39 54.00 2964.712 47.23 27.85 4.69 37.09 42.68 74.00 4379.699 40.42 30.00 6.12 36.91 39.63 54.00 4379.699 46.35 30.00 6.12 36.91 45.56 74.00 4924.928 39.06 31.01 7.49 36.95 40.61 54.00 4924.928 45.97 31.01 7.49 36.95 47.52 74.00 7386.616 33.47 35.85 7.42 36.92 39.82 54.00 9848.806 36.48 37.82 8.46 37.09 45.67 54.00 9848.806 41.28 37.82 8.46 37.09 50.47 74.00 12310.070<</td> <td>Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m dB 2964.712 42.94 27.85 4.69 37.09 38.39 54.00 -15.61 2964.712 47.23 27.85 4.69 37.09 42.68 74.00 -31.32 4379.699 40.42 30.00 6.12 36.91 39.63 54.00 -14.37 4379.699 46.35 30.00 6.12 36.91 45.56 74.00 -28.44 4924.928 39.06 31.01 7.49 36.95 40.61 54.00 -13.39 4924.928 45.97 31.01 7.49 36.95 47.52 74.00 -26.48 7386.616 33.47 35.85 7.42 36.92 39.82 54.00 -14.18 7386.616 40.35 35.85 7.42 36.92 46.70 74.00 -27.30 <</td>	Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m 2964.712 42.94 27.85 4.69 37.09 38.39 54.00 2964.712 47.23 27.85 4.69 37.09 42.68 74.00 4379.699 40.42 30.00 6.12 36.91 39.63 54.00 4379.699 46.35 30.00 6.12 36.91 45.56 74.00 4924.928 39.06 31.01 7.49 36.95 40.61 54.00 4924.928 45.97 31.01 7.49 36.95 47.52 74.00 7386.616 33.47 35.85 7.42 36.92 39.82 54.00 9848.806 36.48 37.82 8.46 37.09 45.67 54.00 9848.806 41.28 37.82 8.46 37.09 50.47 74.00 12310.070<	Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dBuV/m dB 2964.712 42.94 27.85 4.69 37.09 38.39 54.00 -15.61 2964.712 47.23 27.85 4.69 37.09 42.68 74.00 -31.32 4379.699 40.42 30.00 6.12 36.91 39.63 54.00 -14.37 4379.699 46.35 30.00 6.12 36.91 45.56 74.00 -28.44 4924.928 39.06 31.01 7.49 36.95 40.61 54.00 -13.39 4924.928 45.97 31.01 7.49 36.95 47.52 74.00 -26.48 7386.616 33.47 35.85 7.42 36.92 39.82 54.00 -14.18 7386.616 40.35 35.85 7.42 36.92 46.70 74.00 -27.30 <

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel High: 2462Mhz

	ReadA		Antenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3261.418	42.27	27.90	5.80	36.99	38.98	54.00	-15.02	VERTICAL
2	3261.418	46.20	27.90	5.80	36.99	42.91	74.00	-31.09	VERTICAL
3	4181.768	39.75	29.69	6.66	36.91	39.19	54.00	-14.81	VERTICAL
4	4181.768	45.76	29.69	6.66	36.91	45.20	74.00	-28.80	VERTICAL
5	4924.007	39.37	31.01	7.49	36.95	40.92	54.00	-13.08	VERTICAL
6	4924.007	45.95	31.01	7.49	36.95	47.50	74.00	-26.50	VERTICAL
7	7386.999	38.76	35.85	7.42	36.92	45.11	54.00	-8.89	VERTICAL
8	7386.999	42.02	35.85	7.42	36.92	48.37	74.00	-25.63	VERTICAL
9	9848.725	38.10	37.82	8.46	37.09	47.29	54.00	-6.71	VERTICAL
10	9848.725	44.71	37.82	8.46	37.09	53.90	74.00	-20.10	VERTICAL
11	12310.480	34.67	39.03	11.10	36.97	47.83	54.00	-6.17	VERTICAL
12	12310.480	44.06	39.03	11.10	36.97	57.22	74.00	-16.78	VERTICAL



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For the emission below 1G, through pre-scan all modes found the worst case is the 802.11b lowest channel. Only the worst case is recorded in the report.

Mode:802.11b; Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

		Read	Antenna	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	65.114	28.44	11.44	0.66	25.39	15.15	40.00	-24.85	HORIZONTAL
2	138.387	27.85	13.03	1.02	28.16	13.74	43.50	-29.76	HORIZONTAL
3	232.532	27.92	12.13	1.40	29.06	12.39	46.00	-33.61	HORIZONTAL
4	319.937	29.14	14.32	1.82	29.36	15.92	46.00	-30.08	HORIZONTAL
5	457.507	28.86	17.63	1.97	29.47	18.99	46.00	-27.01	HORIZONTAL
6	593.050	28.74	20.52	2.02	29.39	21.89	46.00	-24.11	HORIZONTAL

Mode:802.11b; Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

	Freq		Factor				Line		Pol/Phase
-5	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	42.600	27.47	12.68	0.66	24.12	16.69	40.00	-23.31	VERTICAL
2	130.379	28.83	12.43	0.97	28.18	14.05	43.50	-29.45	VERTICAL
3	180.017	28.06	12.70	1.34	28.08	14.02	43.50	-29.48	VERTICAL
4	282.985	28.04	13.65	1.75	28.90	14.54	46.00	-31.46	VERTICAL
5	366.823	30.12	15.90	2.05	29.59	18.48	46.00	-27.52	VERTICAL
6	580.703	30.06	20.33	1.89	29.19	23.09	46.00	-22.91	VERTICAL



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8 Appendix

8.1 Appendix 15.247

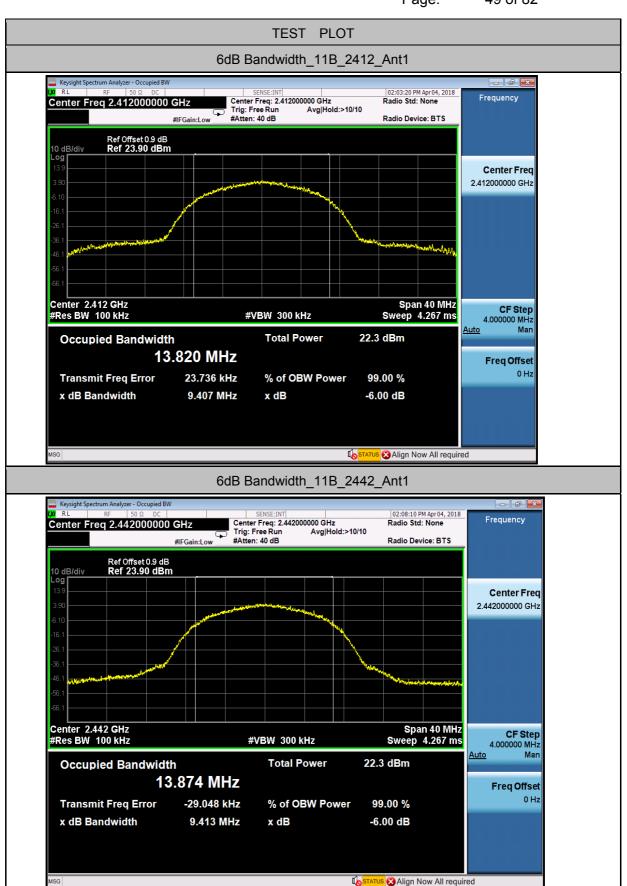
1.6dB Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	13.821	9.407	0.5	PASS
11B	2442	Ant1	13.876	9.413	0.5	PASS
11B	2462	Ant1	13.842	9.453	0.5	PASS
11G	2412	Ant1	16.283	15.11	0.5	PASS
11G	2442	Ant1	16.288	15.11	0.5	PASS
11G	2462	Ant1	16.285	15.44	0.5	PASS
11N20SISO	2412	Ant1	17.475	15.65	0.5	PASS
11N20SISO	2442	Ant1	17.477	15.63	0.5	PASS
11N20SISO	2462	Ant1	17.468	15.67	0.5	PASS



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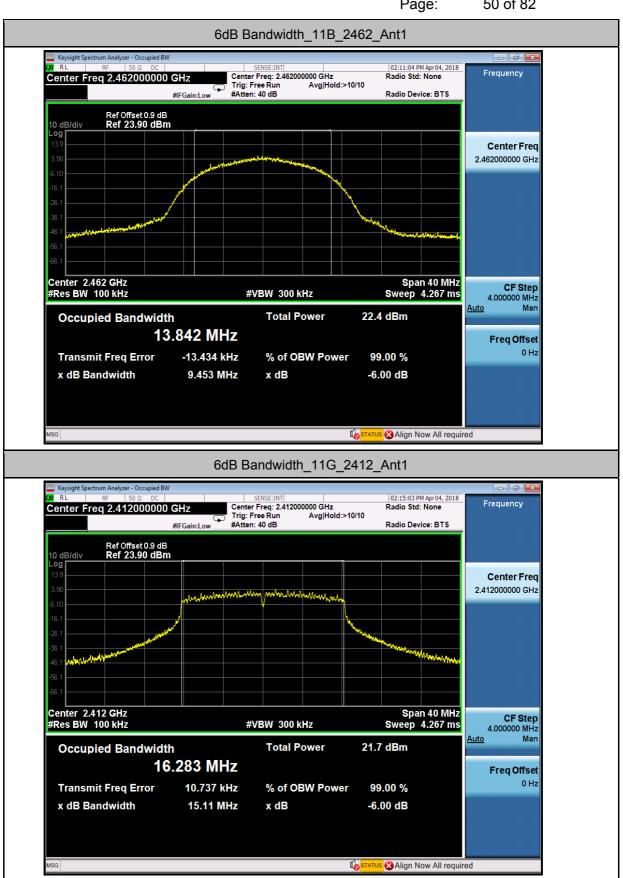
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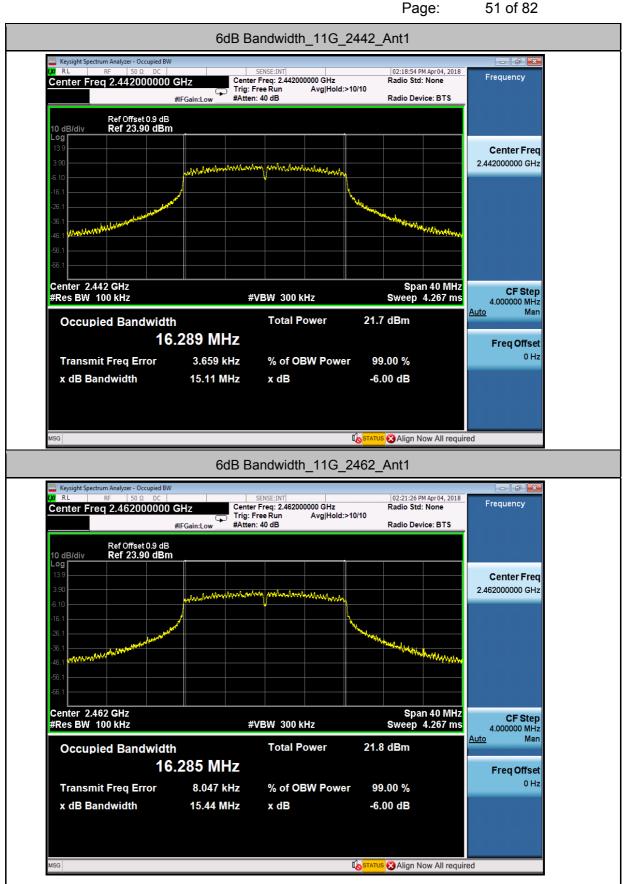
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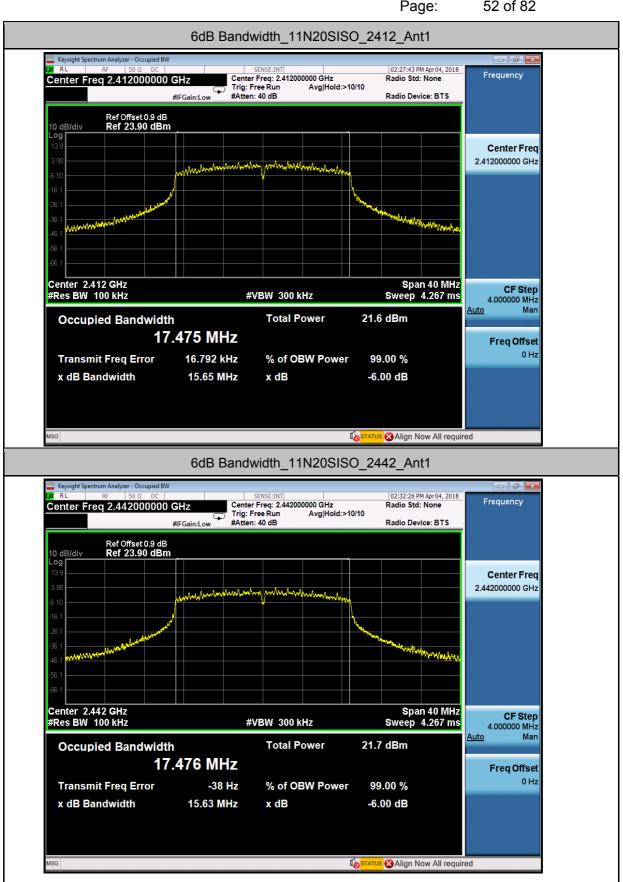
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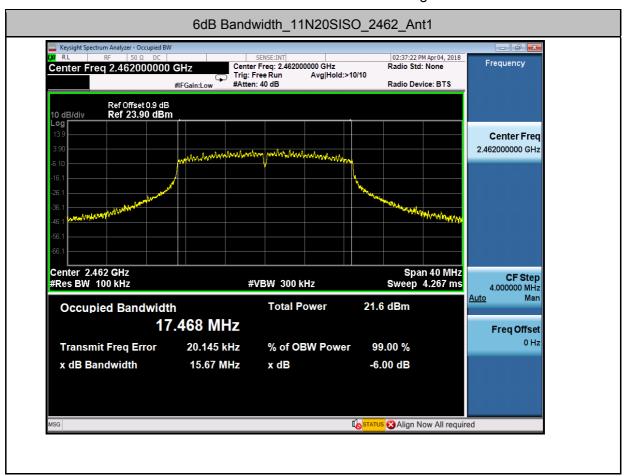
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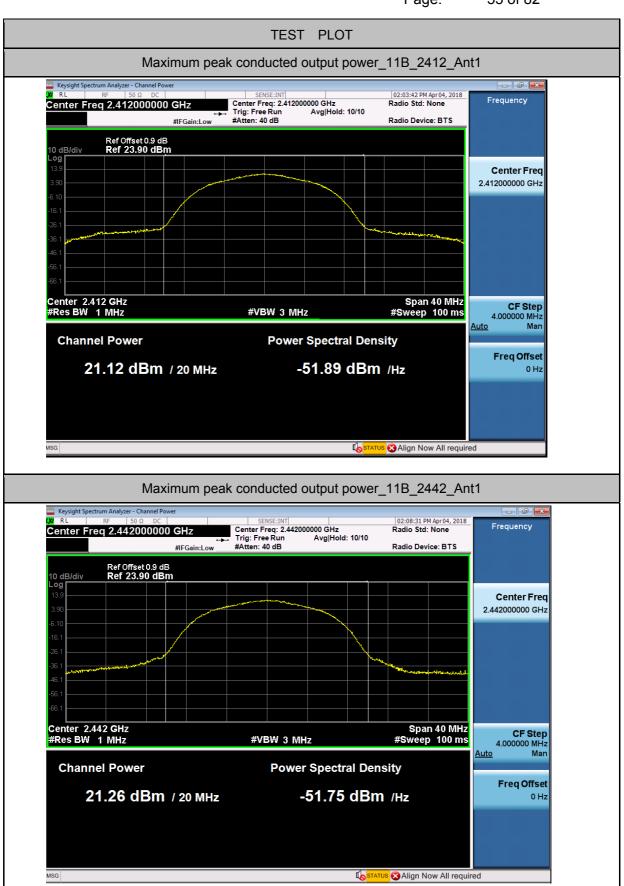
2.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	21.12	30	PASS
11B	2442	Ant1	21.26	30	PASS
11B	2462	Ant1	21.23	30	PASS
11G	2412	Ant1	22.63	30	PASS
11G	2442	Ant1	22.59	30	PASS
11G	2462	Ant1	22.77	30	PASS
11N20SISO	2412	Ant1	22.39	30	PASS
11N20SISO	2442	Ant1	22.37	30	PASS
11N20SISO	2462	Ant1	22.33	30	PASS



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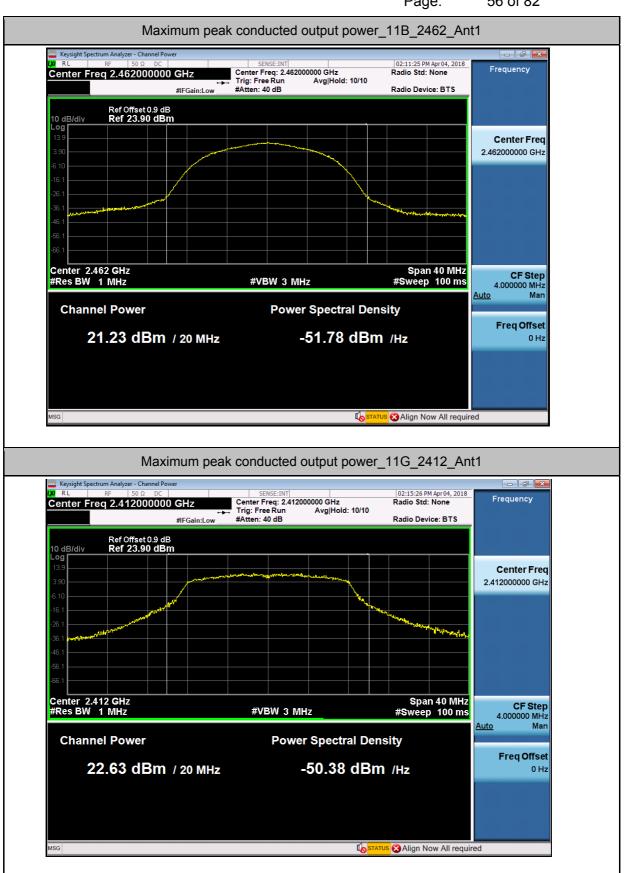
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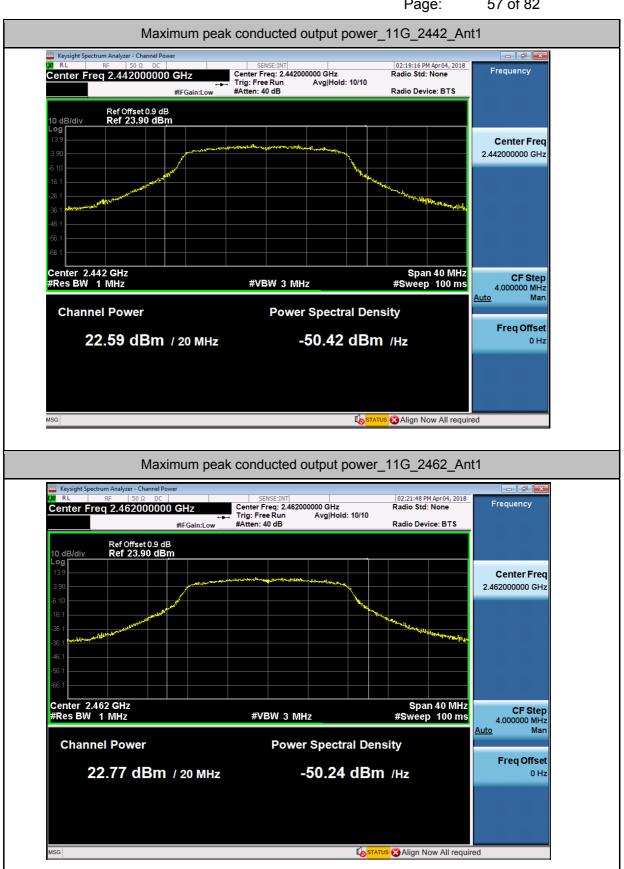
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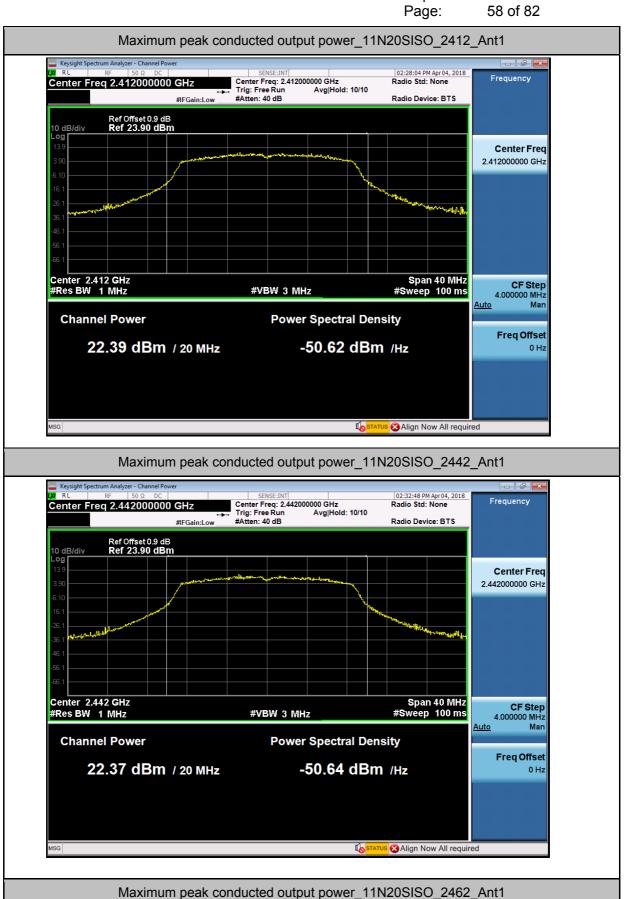
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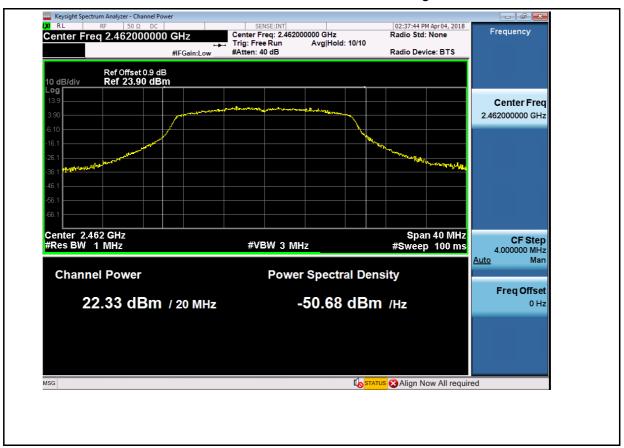


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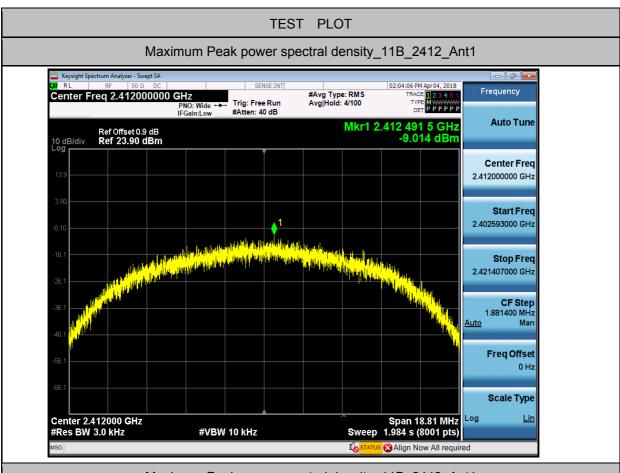
3. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	Result	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-9.014	8.00	PASS
11B	2442	Ant1	-8.671	8.00	PASS
11B	2462	Ant1	-9.197	8.00	PASS
11G	2412	Ant1	-11.053	8.00	PASS
11G	2442	Ant1	-11.259	8.00	PASS
11G	2462	Ant1	-10.556	8.00	PASS
11N20SISO	2412	Ant1	-11.777	8.00	PASS
11N20SISO	2442	Ant1	-10.329	8.00	PASS
11N20SISO	2462	Ant1	-11.506	8.00	PASS

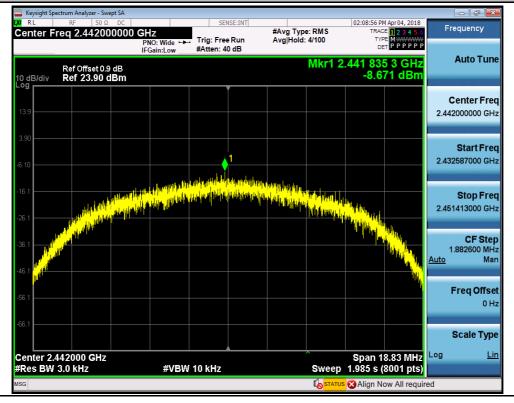


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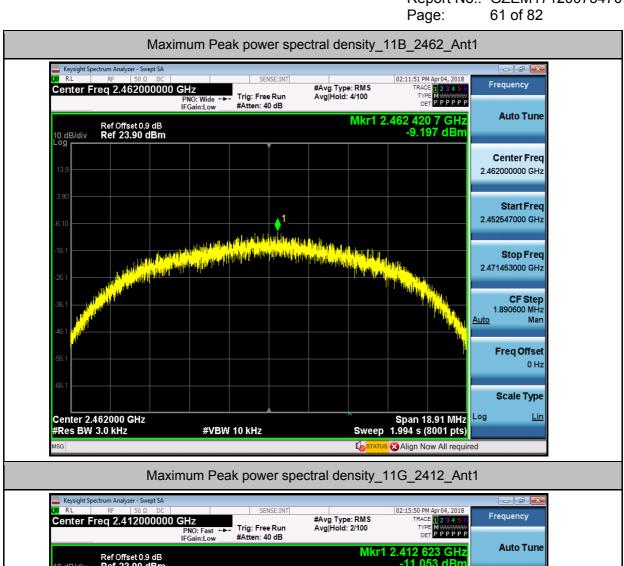
Maximum Peak power spectral density 11B 2442 Ant1

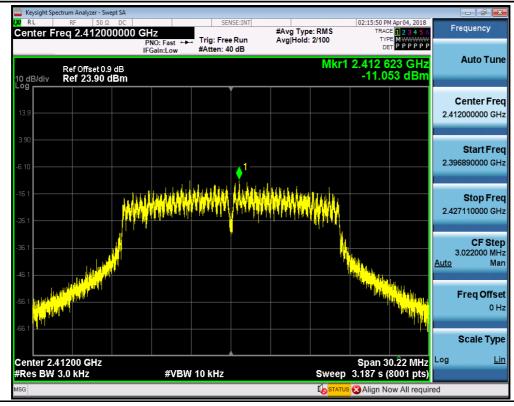


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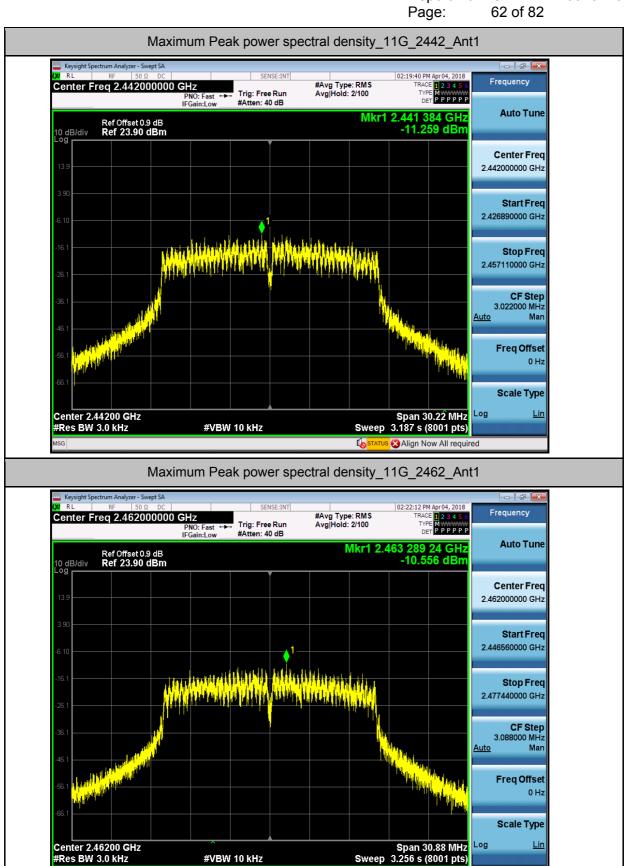
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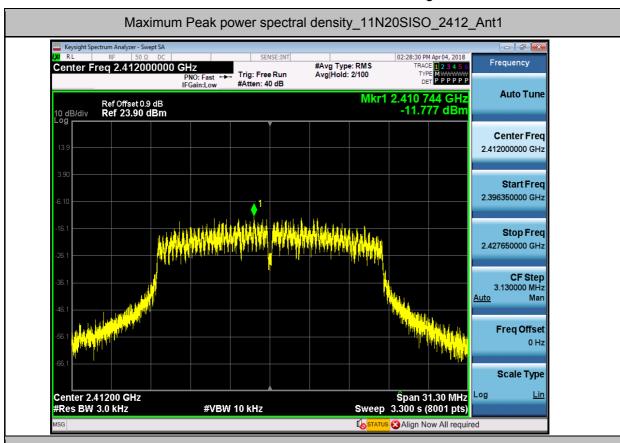
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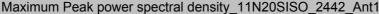


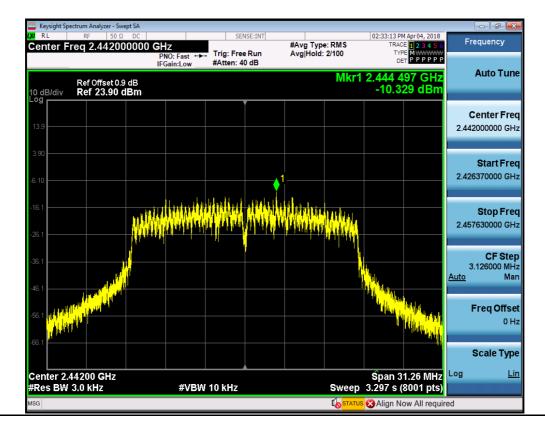


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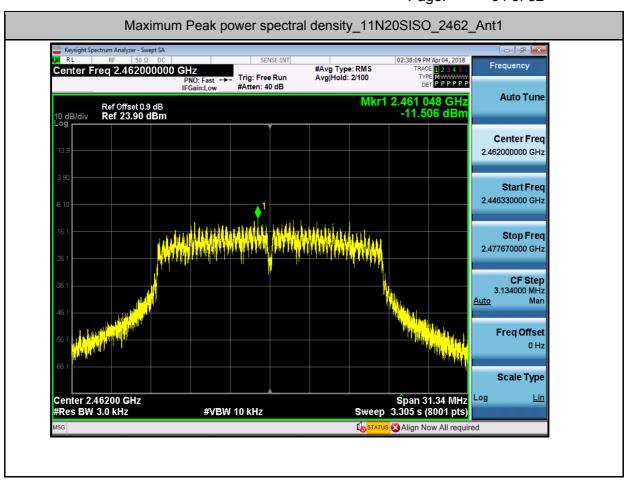


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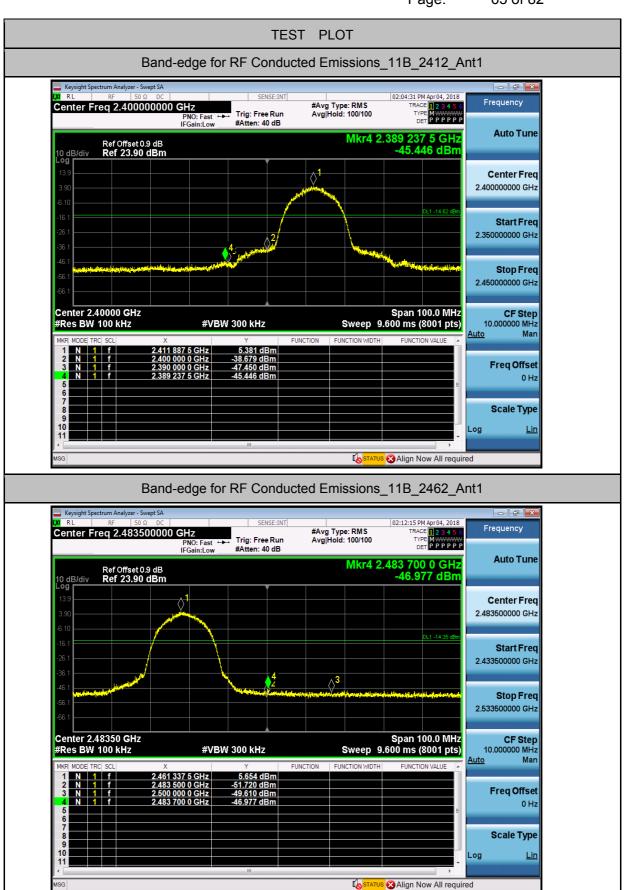
4.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	5.381	-45.446	-14.62	PASS
11B	2462	Ant1	5.654	-46.977	-14.35	PASS
11G	2412	Ant1	4.052	-45.633	-15.95	PASS
11G	2462	Ant1	4.126	-43.748	-15.87	PASS
11N20SISO	2412	Ant1	4.065	-42.219	-15.94	PASS
11N20SISO	2462	Ant1	3.926	-44.022	-16.07	PASS



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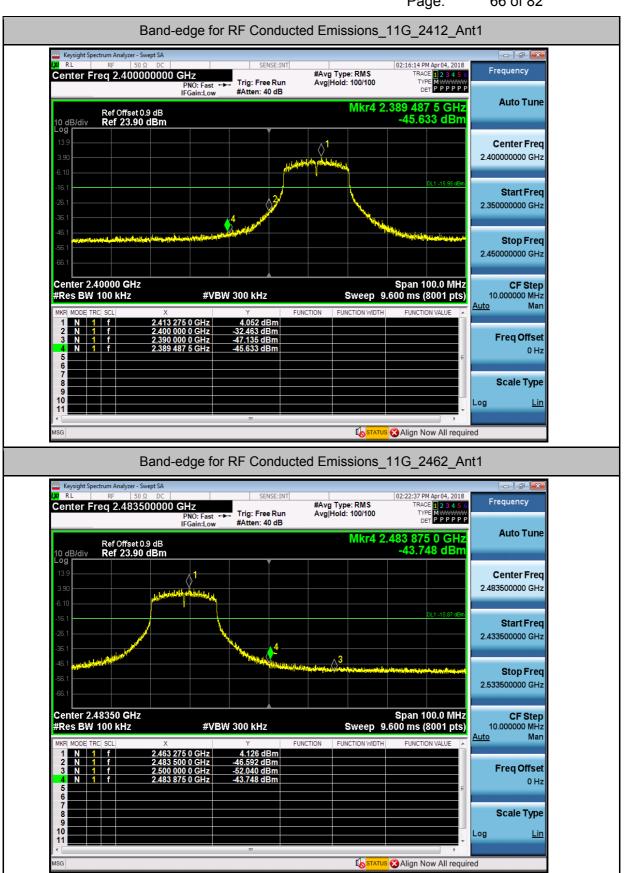
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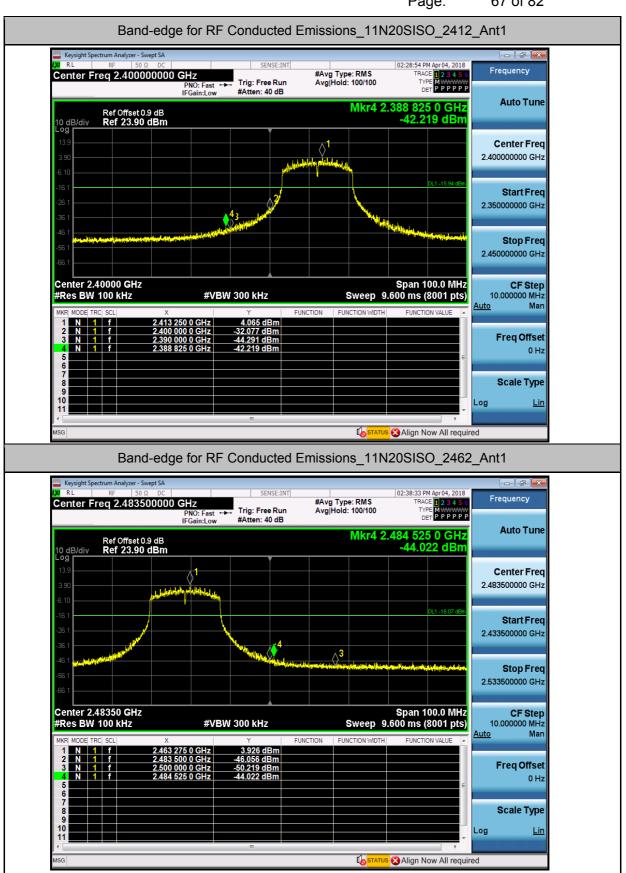
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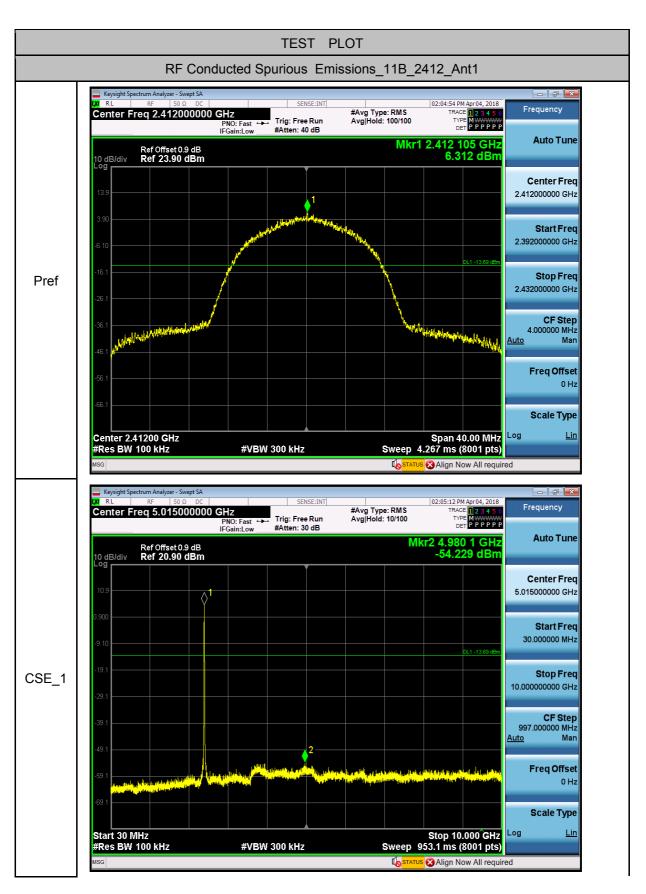
5.RF Conducted Spurious Emissions

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	6.312	-54.229	<-13.688	PASS
11B	2412	Ant1	10000	26000	100	300	6.312	-52.231	<-13.688	PASS
11B	2442	Ant1	30	10000	100	300	6.209	-53.743	<-13.791	PASS
11B	2442	Ant1	10000	26000	100	300	6.209	-52.128	<-13.791	PASS
11B	2462	Ant1	30	10000	100	300	6.281	-54.098	<-13.719	PASS
11B	2462	Ant1	10000	26000	100	300	6.281	-52.289	<-13.719	PASS
11G	2412	Ant1	30	10000	100	300	4.026	-53.943	<-15.974	PASS
11G	2412	Ant1	10000	26000	100	300	4.026	-51.797	<-15.974	PASS
11G	2442	Ant1	30	10000	100	300	4.045	-53.818	<-15.955	PASS
11G	2442	Ant1	10000	26000	100	300	4.045	-52.647	<-15.955	PASS
11G	2462	Ant1	30	10000	100	300	4.048	-53.695	<-15.952	PASS
11G	2462	Ant1	10000	26000	100	300	4.048	-52.426	<-15.952	PASS
11N20SISO	2412	Ant1	30	10000	100	300	4.374	-53.933	<-15.626	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	4.374	-52.090	<-15.626	PASS
11N20SISO	2442	Ant1	30	10000	100	300	3.862	-53.497	<-16.138	PASS
11N20SISO	2442	Ant1	10000	26000	100	300	3.862	-52.426	<-16.138	PASS
11N20SISO	2462	Ant1	30	10000	100	300	3.896	-53.587	<-16.104	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	3.896	-52.107	<-16.104	PASS



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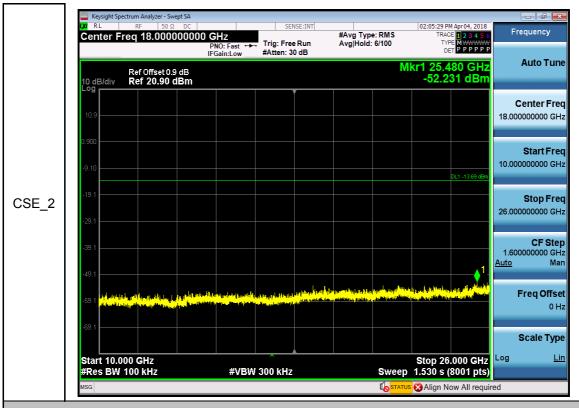
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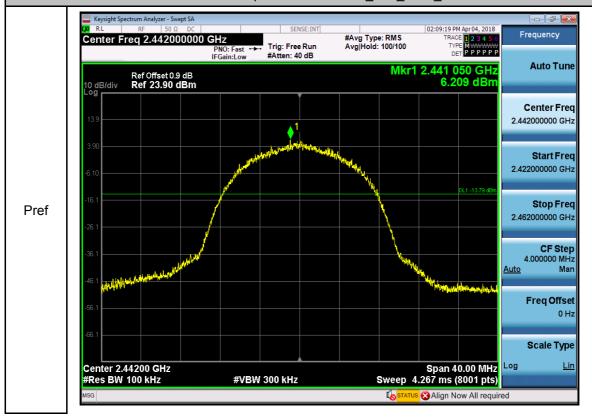


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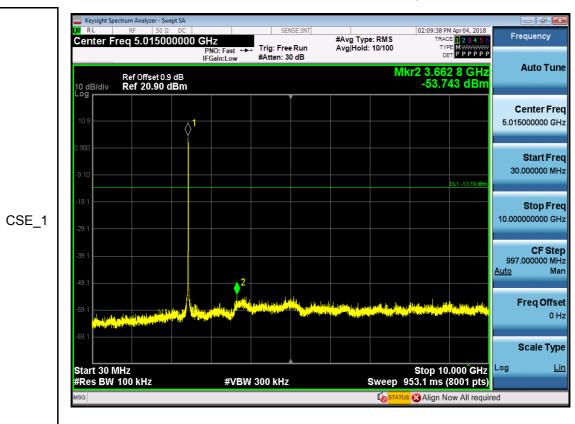


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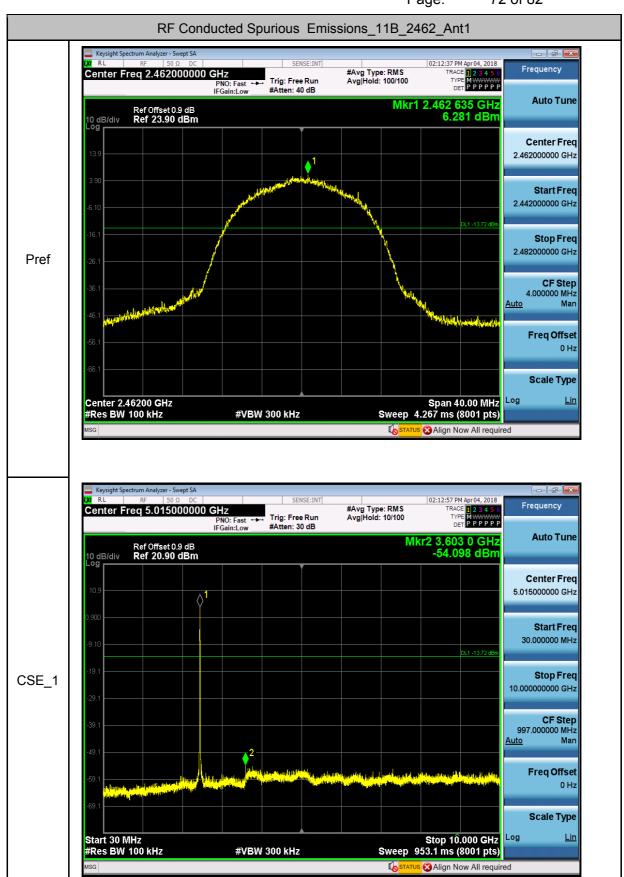


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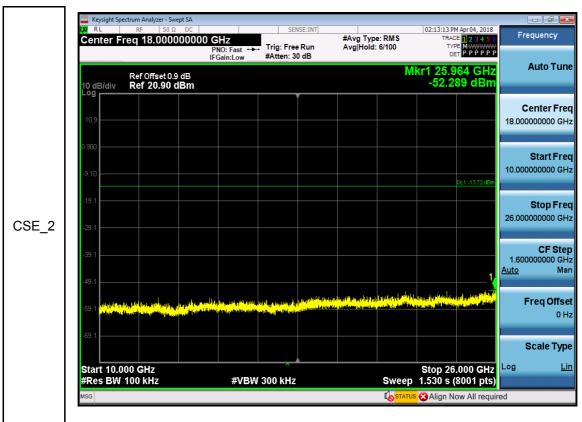
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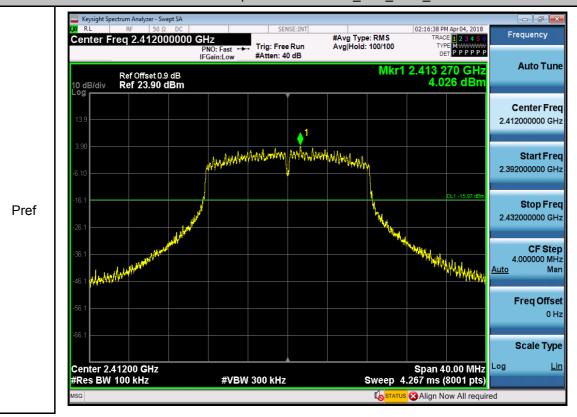


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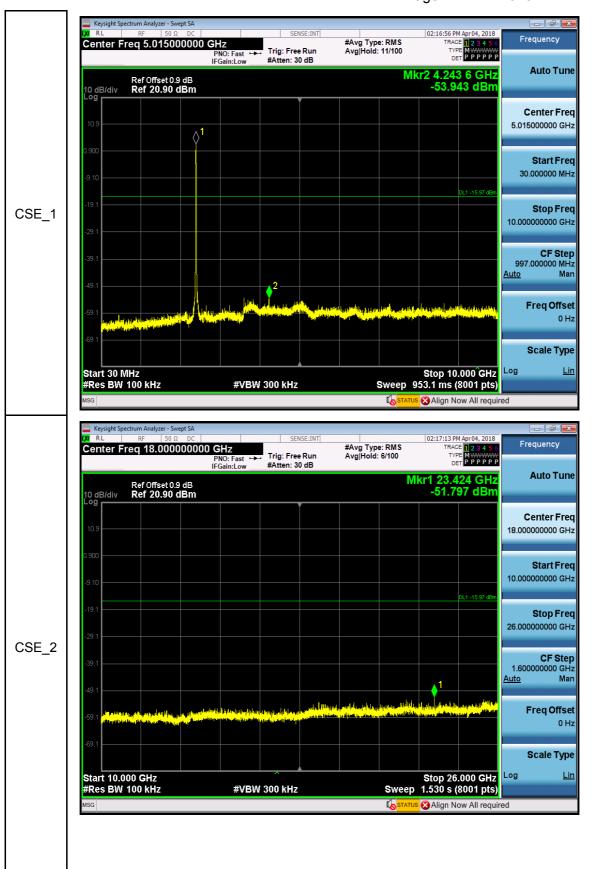
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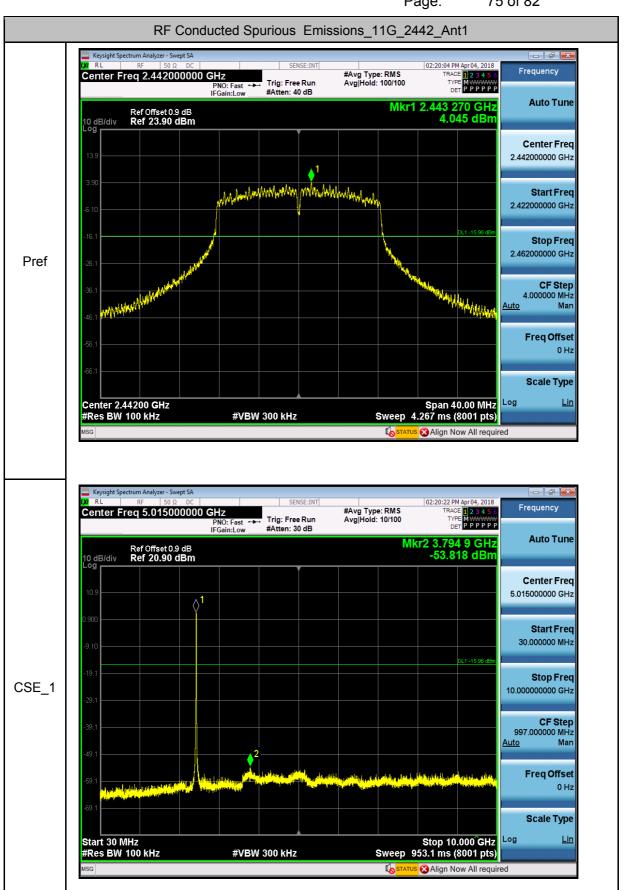
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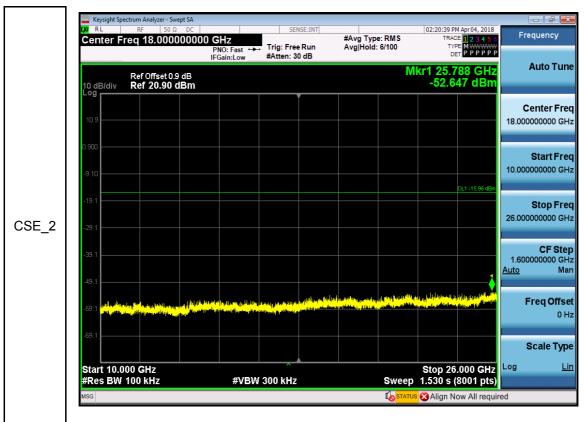
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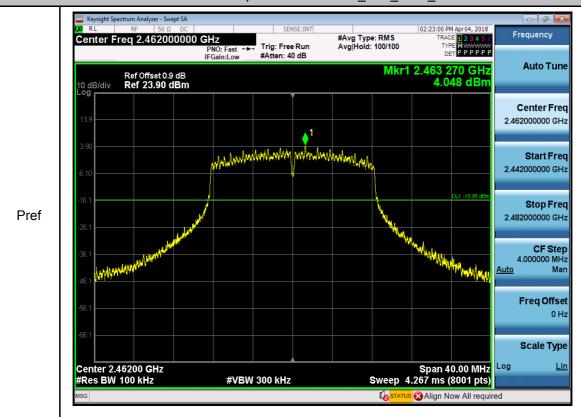


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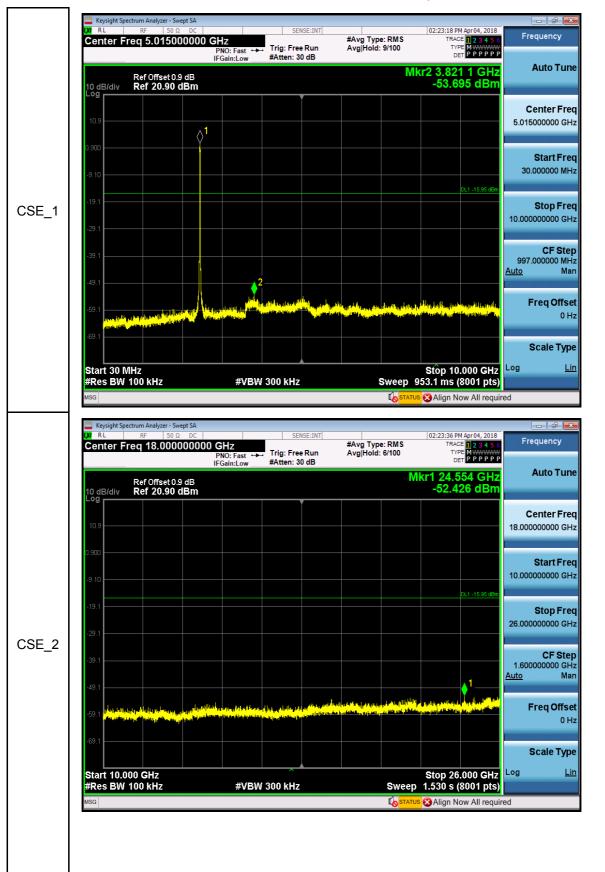


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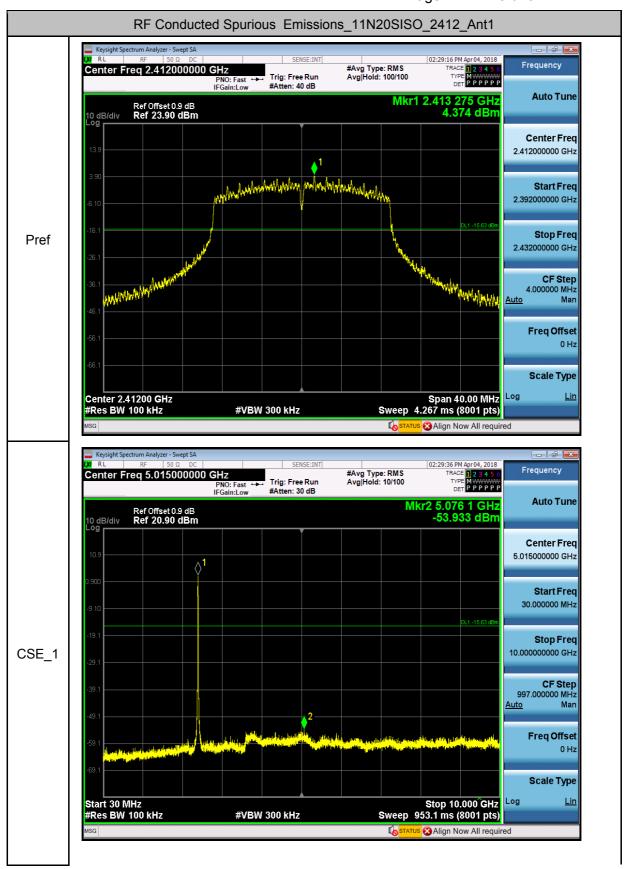
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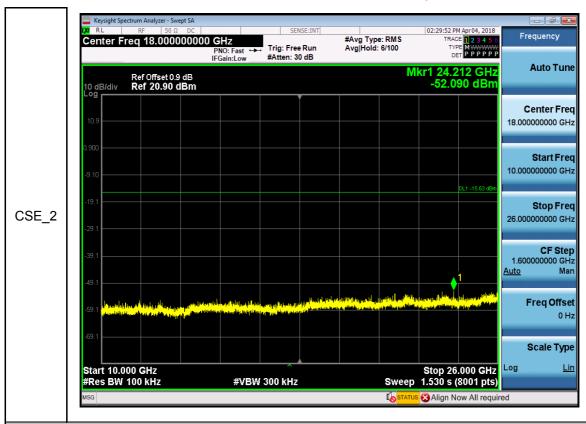
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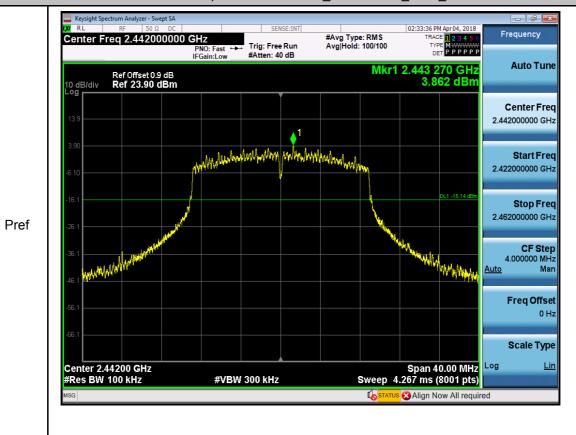


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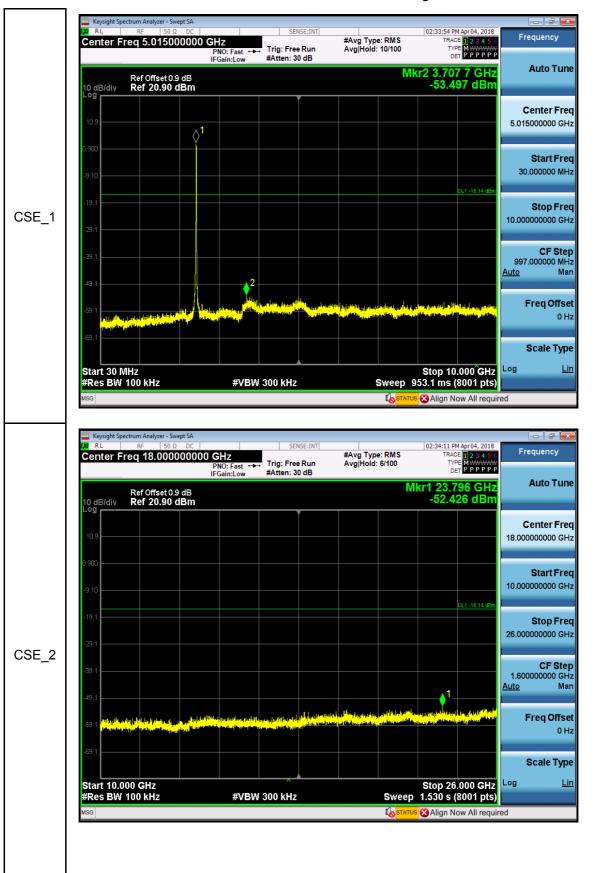


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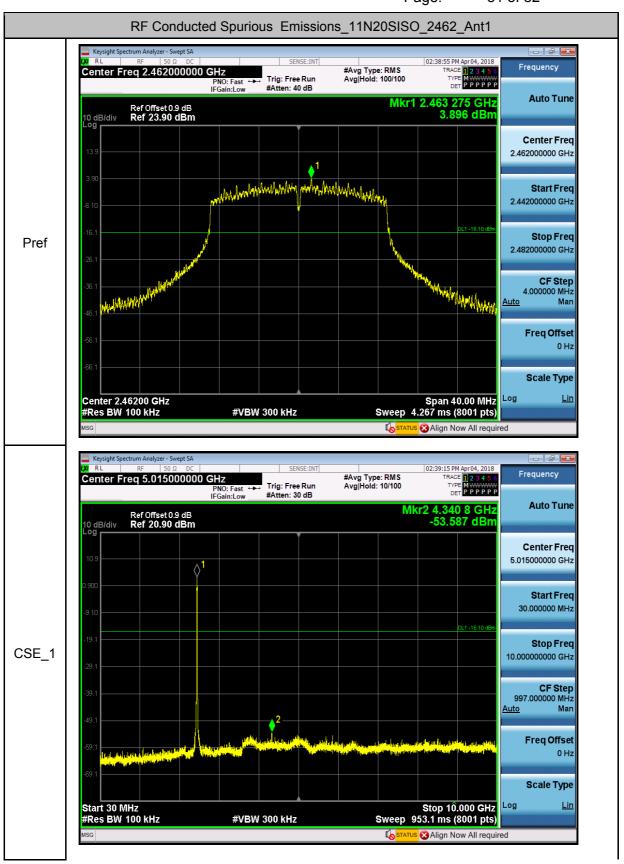
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