

Report No.: GZEM180400185401

Page: 51 of 106

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

					Cable Preamp Loss Factor I				Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	50.409	23.20	12.98	0.60	24.88	11.90	40.00	-28.10	HORIZONTAL	QP
2	62.651	23.70	11.92	0.61	25.29	10.94	40.00	-29.06	HORIZONTAL	QP
3	120.277	27.43	11.52	0.92	28.19	11.68	43.50	-31.82	HORIZONTAL	QP
4	158.112	25.92	13.38	1.25	28.10	12.45	43.50	-31.05	HORIZONTAL	QP
5	721.726	28.20	21.63	3.60	29.56	23.87	46.00	-22.13	HORIZONTAL	QP
6	893.857	29.58	23.95	2.86	27.97	28.42	46.00	-17.58	HORIZONTAL	QP

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

	Rea		Antenna Cable Pr	March Control of the						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4844.721	35.16	30.88	6.31	38.12	34.23	54.00	-19.77	HORIZONTAL	Average
2	4844.721	44.13	30.88	6.31	38.12	43.20	74.00	-30.80	HORIZONTAL	Peak
3	5746.982	32.22	32.10	7.05	37.50	33.87	54.00	-20.13	HORIZONTAL	Average
4	5746.982	46.51	32.10	7.05	37.50	48.16	74.00	-25.84	HORIZONTAL	Peak
5	7266.741	30.49	35.60	7.36	37.44	36.01	54.00	-17.99	HORIZONTAL	Average
6	7266.741	40.50	35.60	7.36	37.44	46.02	74.00	-27.98	HORIZONTAL	Peak
7	9688.689	27.21	37.61	8.25	37.39	35.68	54.00	-18.32	HORIZONTAL	Average
8	9688.689	38.02	37.61	8.25	37.39	46.49	74.00	-27.51	HORIZONTAL	Peak
9	10822.920	25.58	39.66	9.85	37.43	37.66	54.00	-16.34	HORIZONTAL	Average
10	10822.920	36.00	39.66	9.85	37.43	48.08	74.00	-25.92	HORIZONTAL	Peak
11	12110.710	22.74	39.37	10.82	37.38	35.55	54.00	-18.45	HORIZONTAL	Average
12	12110.710	34.33	39.37	10.82	37.38	47.14	74.00	-26.86	HORIZONTAL	Peak



Report No.: GZEM180400185401

Page: 52 of 106

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

	Freq			Cable Preamp Loss Factor						Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	30.962	22.28	12.22	0.07	21.63	12.94	40.00	-27.06	VERTICAL	QP
2	43.506	21.67	12.72	0.69	24.29	10.79	40.00	-29.21	VERTICAL	QP
3	50.409	23.03	12.98	0.60	24.88	11.73	40.00	-28.27	VERTICAL	QP
4	130.837	26.45	12.48	0.97	28.18	11.72	43.50	-31.78	VERTICAL	QP
5	166.068	26.65	13.22	1.29	28.09	13.07	43.50	-30.43	VERTICAL	QP
6	919.287	27.01	24.16	3.74	28.43	26.48	46.00	-19.52	VERTICAL	QP

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

	ReadAntenna		na Cable Preamp			Limit Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		4170
1	4844.307	31.98	30.88	6.31	38.12	31.05	54.00	-22.95	VERTICAL	Average
2	4844.307	44.70	30.88	6.31	38.12	43.77	74.00	-30.23	VERTICAL	Peak
3	5780.300	29.32	32.14	7.15	37.50	31.11	54.00	-22.89	VERTICAL	Average
4	5780.300	44.31	32.14	7.15	37.50	46.10	74.00	-27.90	VERTICAL	Peak
5	7266.092	26.97	35.60	7.36	37.44	32.49	54.00	-21.51	VERTICAL	Average
6	7266.092	39.84	35.60	7.36	37.44	45.36	74.00	-28.64	VERTICAL	Peak
7	9047.272	22.51	36.57	8.29	37.57	29.80	54.00	-24.20	VERTICAL	Average
8	9047.272	39.12	36.57	8.29	37.57	46.41	74.00	-27.59	VERTICAL	Peak
9	9848.640	27.70	37.82	8.46	37.36	36.62	54.00	-17.38	VERTICAL	Average
10	9848.640	38.26	37.82	8.46	37.36	47.18	74.00	-26.82	VERTICAL	Peak
11	12110.350	22.25	39.37	10.82	37.38	35.06	54.00	-18.94	VERTICAL	Average
12	12110.350	34.09	39.37	10.82	37.38	46.90	74.00	-27.10	VERTICAL	Peak



Report No.: GZEM180400185401

Page: 53 of 106

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

		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4884.977	33.30	30.95	6.86	38.14	32.97	54.00	-21.03	HORIZONTAL	Average
2	4884.977	43.17	30.95	6.86	38.14	42.84	74.00	-31.16	HORIZONTAL	Peak
3	6934.778	27.00	35.03	7.26	37.35	31.94	54.00	-22.06	HORIZONTAL	Average
4	6934.778	40.75	35.03	7.26	37.35	45.69	74.00	-28.31	HORIZONTAL	Peak
5	7326.049	29.43	35.74	7.39	37.46	35.10	54.00	-18.90	HORIZONTAL	Average
6	7326.049	41.30	35.74	7.39	37.46	46.97	74.00	-27.03	HORIZONTAL	Peak
7	9073.460	24.89	36.61	8.31	37.58	32.23	54.00	-21.77	HORIZONTAL	Average
8	9073.460	40.24	36.61	8.31	37.58	47.58	74.00	-26.42	HORIZONTAL	Peak
9	9768.540	27.02	37.74	8.37	37.37	35.76	54.00	-18.24	HORIZONTAL	Average
10	9768.540	38.45	37.74	8.37	37.37	47.19	74.00	-26.81	HORIZONTAL	Peak
11	12210.700	24.13	39.21	10.98	37.30	37.02	54.00	-16.98	HORIZONTAL	Average
12	12210.700	34.50	39.21	10.98	37.30	47.39	74.00	-26.61	HORIZONTAL	Peak

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

	ReadAntenna		Cable	Preamp		Limit	Over		155 157	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	-	177 <u>16</u>
1	4884.058	30.70	30.95	6.86	38.14	30.37	54.00	-23.63	VERTICAL	Average
2	4884.058	43.43	30.95	6.86	38.14	43.10	74.00	-30.90	VERTICAL	Peak
3	5763.617	29.90	32.12	7.10	37.50	31.62	54.00	-22.38	VERTICAL	Average
4	5763.617	43.21	32.12	7.10	37.50	44.93	74.00	-29.07	VERTICAL	Peak
5	7326.527	25.83	35.74	7.39	37.46	31.50	54.00	-22.50	VERTICAL	Average
6	7326.527	40.34	35.74	7.39	37.46	46.01	74.00	-27.99	VERTICAL	Peak
7	7943.838	22.63	36.47	8.38	37.31	30.17	54.00	-23.83	VERTICAL	Average
8	7943.838	37.12	36.47	8.38	37.31	44.66	74.00	-29.34	VERTICAL	Peak
9	9768.160	27.43	37.74	8.37	37.37	36.17	54.00	-17.83	VERTICAL	Average
10	9768.160	38.11	37.74	8.37	37.37	46.85	74.00	-27.15	VERTICAL	Peak
11	12210.920	22.62	39.21	10.98	37.30	35.51	54.00	-18.49	VERTICAL	Average
12	12210.920	33.95	39.21	10.98	37.30	46.84	74.00	-27.16	VERTICAL	Peak



Report No.: GZEM180400185401

Page: 54 of 106

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

		ReadAntenna			e Preamp	The state of the s	Limit			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4904.721	27.32	30.97	7.07	38.15	27.21	54.00	-26.79	HORIZONTAL	Average
2	4904.721	45.18	30.97	7.07	38.15	45.07	74.00	-28.93	HORIZONTAL	Peak
3	5763.617	30.99	32.12	7.10	37.50	32.71	54.00	-21.29	HORIZONTAL	Average
4	5763.617	42.13	32.12	7.10	37.50	43.85	74.00	-30.15	HORIZONTAL	Peak
5	7356.015	26.13	35.78	7.40	37.46	31.85	54.00	-22.15	HORIZONTAL	Average
6	7356.015	39.85	35.78	7.40	37.46	45.57	74.00	-28.43	HORIZONTAL	Peak
7	7943.838	24.62	36.47	8.38	37.31	32.16	54.00	-21.84	HORIZONTAL	Average
8	7943.838	37.88	36.47	8.38	37.31	45.42	74.00	-28.58	HORIZONTAL	Peak
9	9016.018	24.83	36.53	8.26	37.57	32.05	54.00	-21.95	HORIZONTAL	Average
10	9016.018	39.80	36.53	8.26	37.57	47.02	74.00	-26.98	HORIZONTAL	Peak
11	12260.250	20.55	39.15	11.02	37.28	33.44	54.00	-20.56	HORIZONTAL	Average
12	12260.250	34.25	39.15	11.02	37.28	47.14	74.00	-26.86	HORIZONTAL	Peak

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

	ReadAnt		ReadAntenna Cable Pre		Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4904.721	31.31	30.97	7.07	38.15	31.20	54.00	-22.80	VERTICAL	Average
2	4904.721	46.11	30.97	7.07	38.15	46.00	74.00	-28.00	VERTICAL	Peak
3	5763.617	28.98	32.12	7.10	37.50	30.70	54.00	-23.30	VERTICAL	Average
4	5763.617	42.21	32.12	7.10	37.50	43.93	74.00	-30.07	VERTICAL	Peak
5	7356.420	26.83	35.78	7.40	37.46	32.55	54.00	-21.45	VERTICAL	Average
6	7356.420	38.82	35.78	7.40	37.46	44.54	74.00	-29.46	VERTICAL	Peak
7	7898.049	23.98	36.43	8.40	37.30	31.51	54.00	-22.49	VERTICAL	Average
8	7898.049	39.34	36.43	8.40	37.30	46.87	74.00	-27.13	VERTICAL	Peak
9	9016.151	28.82	36.53	8.26	37.57	36.04	54.00	-17.96	VERTICAL	Average
10	9016.151	39.56	36.53	8.26	37.57	46.78	74.00	-27.22	VERTICAL	Peak
11	12260.310	19.90	39.15	11.02	37.28	32.79	54.00	-21.21	VERTICAL	Average
12	12260.310	33.88	39.15	11.02	37.28	46.77	74.00	-27.23	VERTICAL	Peak



Report No.: GZEM180400185401

Page: 55 of 106

8 Appendix

8.1 Appendix 15.247

1.6dB Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	15.441	9.351	0.5	PASS
11B	2437	Ant1	15.432	9.363	0.5	PASS
11B	2462	Ant1	15.164	9.363	0.5	PASS
11G	2412	Ant1	16.373	15.11	0.5	PASS
11G	2437	Ant1	16.374	15.10	0.5	PASS
11G	2462	Ant1	16.359	15.10	0.5	PASS
11N20SISO	2412	Ant1	17.540	15.11	0.5	PASS
11N20SISO	2437	Ant1	17.520	15.11	0.5	PASS
11N20SISO	2462	Ant1	17.516	16.01	0.5	PASS
11N40SISO	2422	Ant1	35.799	35.09	0.5	PASS
11N40SISO	2437	Ant1	35.858	35.10	0.5	PASS
11N40SISO	2452	Ant1	35.861	35.10	0.5	PASS



Report No.: GZEM180400185401

Page: 56 of 106

TEST PLOT 6dB Bandwidth_11B_2412_Ant1



6dB Bandwidth 11B 2437 Ant1





Report No.: GZEM180400185401

Page: 57 of 106

6dB Bandwidth 11B 2462 Ant1



6dB Bandwidth_11G_2412_Ant1





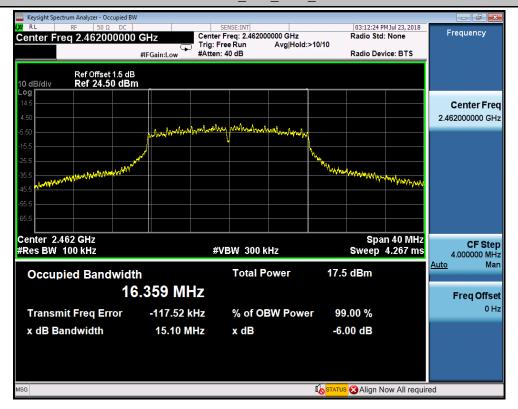
Report No.: GZEM180400185401

Page: 58 of 106

6dB Bandwidth 11G 2437 Ant1



6dB Bandwidth 11G 2462 Ant1

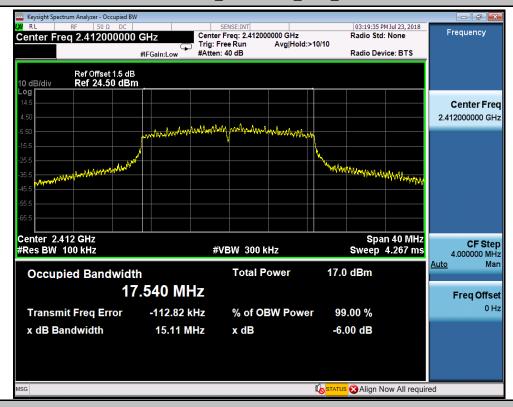




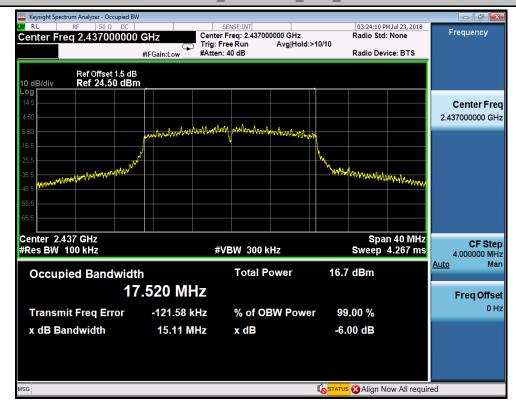
Report No.: GZEM180400185401

Page: 59 of 106

6dB Bandwidth 11N20SISO 2412 Ant1



6dB Bandwidth 11N20SISO 2437 Ant1

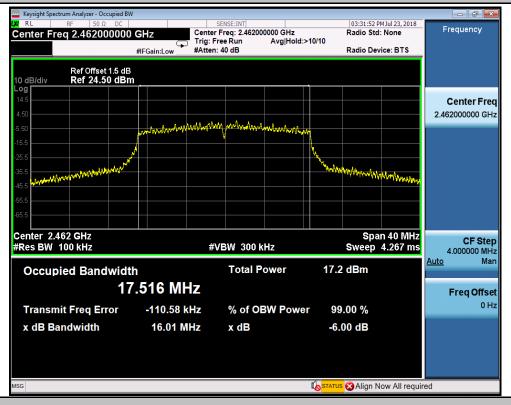




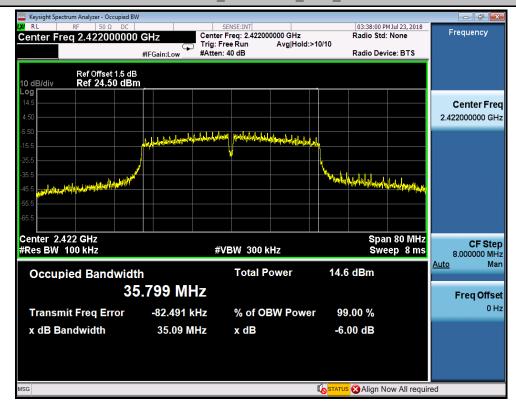
Report No.: GZEM180400185401

Page: 60 of 106

6dB Bandwidth 11N20SISO 2462 Ant1



6dB Bandwidth 11N40SISO 2422 Ant1

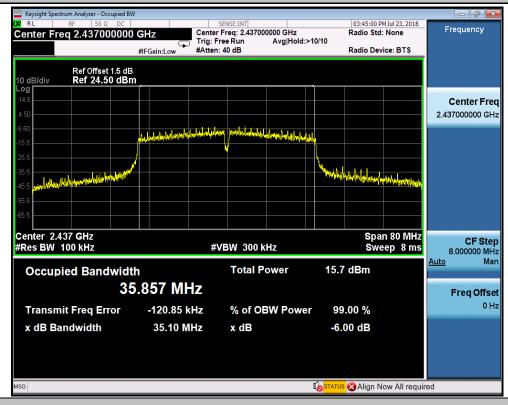




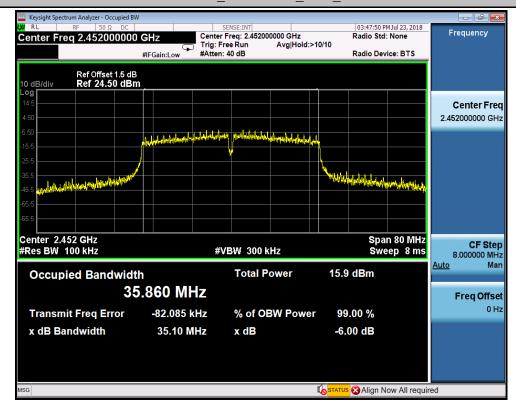
Report No.: GZEM180400185401

Page: 61 of 106

6dB Bandwidth 11N40SISO 2437 Ant1



6dB Bandwidth 11N40SISO 2452 Ant1





Report No.: GZEM180400185401

Page: 62 of 106

2.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	19.14	30	PASS
11B	2437	Ant1	19.71	30	PASS
11B	2462	Ant1	19.29	30	PASS
11G	2412	Ant1	17.66	30	PASS
11G	2437	Ant1	17.96	30	PASS
11G	2462	Ant1	18.02	30	PASS
11N20SISO	2412	Ant1	17.06	30	PASS
11N20SISO	2437	Ant1	17.17	30	PASS
11N20SISO	2462	Ant1	17.33	30	PASS
11N40SISO	2422	Ant1	16.68	30	PASS
11N40SISO	2437	Ant1	16.82	30	PASS
11N40SISO	2452	Ant1	17.05	30	PASS

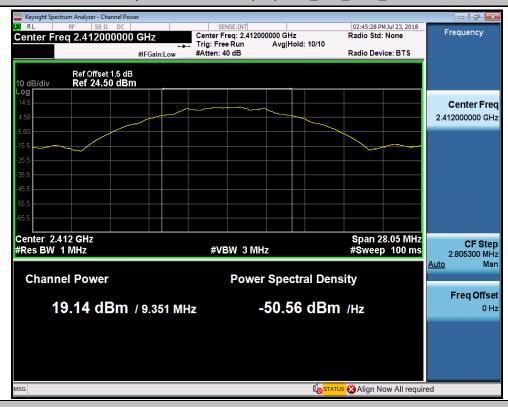


Report No.: GZEM180400185401

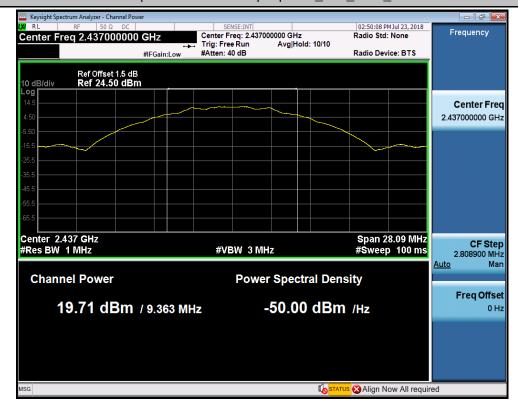
Page: 63 of 106

TEST PLOT

Maximum peak conducted output power_11B_2412_Ant1



Maximum peak conducted output power_11B_2437_Ant1



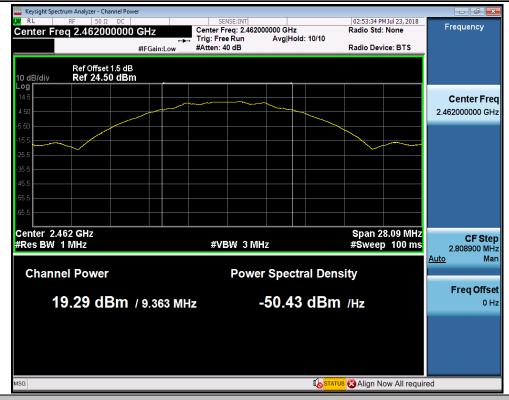
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Report No.: GZEM180400185401

Page: 64 of 106

Maximum peak conducted output power_11B_2462_Ant1



Maximum peak conducted output power 11G 2412 Ant1





Report No.: GZEM180400185401

Page: 65 of 106

Maximum peak conducted output power_11G_2437_Ant1



Maximum peak conducted output power_11G_2462_Ant1

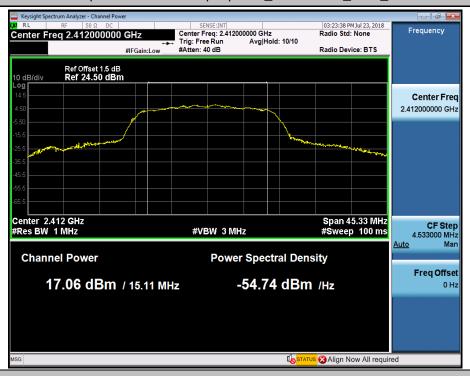




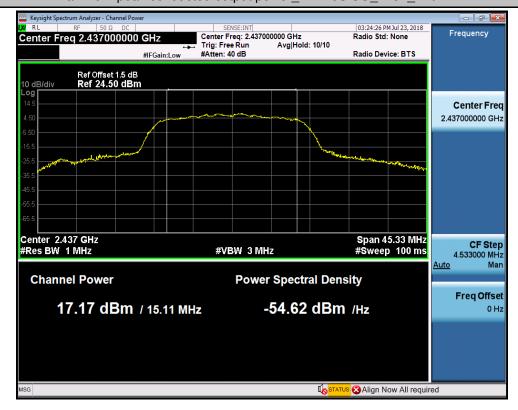
Report No.: GZEM180400185401

Page: 66 of 106

Maximum peak conducted output power_11N20SISO_2412_Ant1



Maximum peak conducted output power_11N20SISO_2437_Ant1





Report No.: GZEM180400185401

Page: 67 of 106

Maximum peak conducted output power 11N20SISO 2462 Ant1



Maximum peak conducted output power_11N40SISO_2422_Ant1

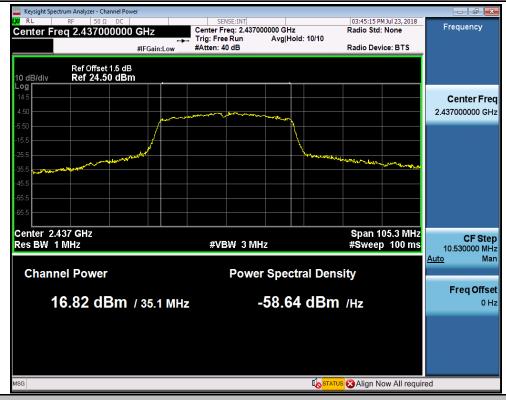




Report No.: GZEM180400185401

Page: 68 of 106

Maximum peak conducted output power_11N40SISO_2437_Ant1



Maximum peak conducted output power 11N40SISO 2452 Ant1





Report No.: GZEM180400185401

Page: 69 of 106

3.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	Result	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-8.514	8.00	PASS
11B	2437	Ant1	-8.075	8.00	PASS
11B	2462	Ant1	-8.332	8.00	PASS
11G	2412	Ant1	-15.948	8.00	PASS
11G	2437	Ant1	-15.351	8.00	PASS
11G	2462	Ant1	-16.997	8.00	PASS
11N20SISO	2412	Ant1	-15.762	8.00	PASS
11N20SISO	2437	Ant1	-16.650	8.00	PASS
11N20SISO	2462	Ant1	-15.222	8.00	PASS
11N40SISO	2422	Ant1	-20.314	8.00	PASS
11N40SISO	2437	Ant1	-20.099	8.00	PASS
11N40SISO	2452	Ant1	-18.398	8.00	PASS

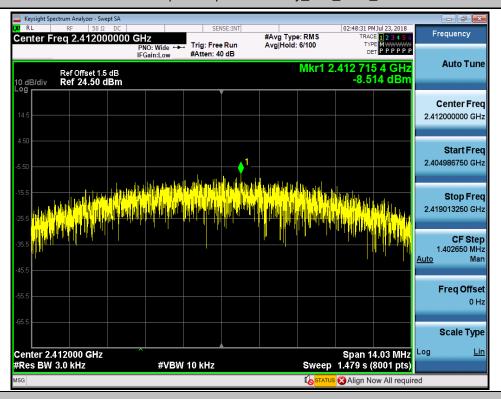


Report No.: GZEM180400185401

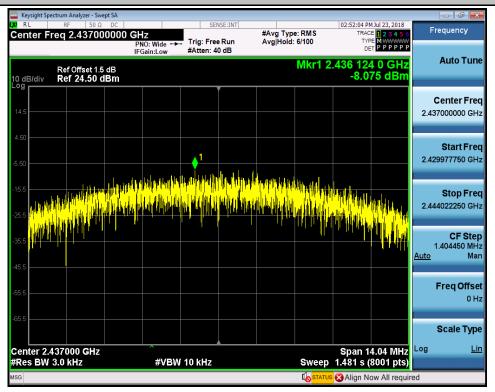
Page: 70 of 106

TEST PLOT

Maximum Peak power spectral density_11B_2412_Ant1



Maximum Peak power spectral density_11B_2437_Ant1



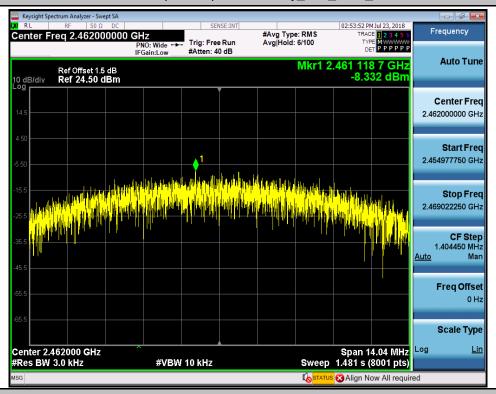
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Report No.: GZEM180400185401

Page: 71 of 106

Maximum Peak power spectral density_11B_2462_Ant1



Maximum Peak power spectral density_11G_2412_Ant1





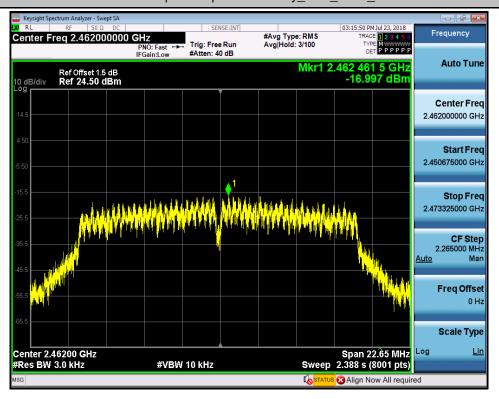
Report No.: GZEM180400185401

Page: 72 of 106

Maximum Peak power spectral density_11G_2437_Ant1



Maximum Peak power spectral density_11G_2462_Ant1

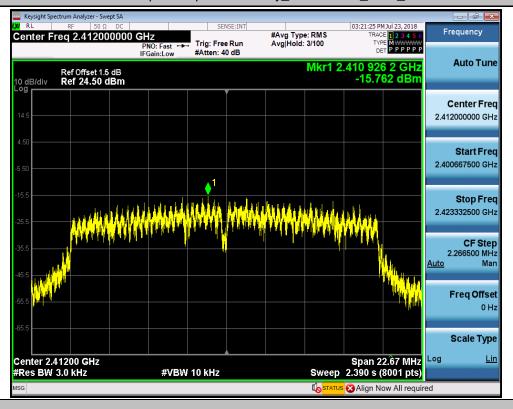




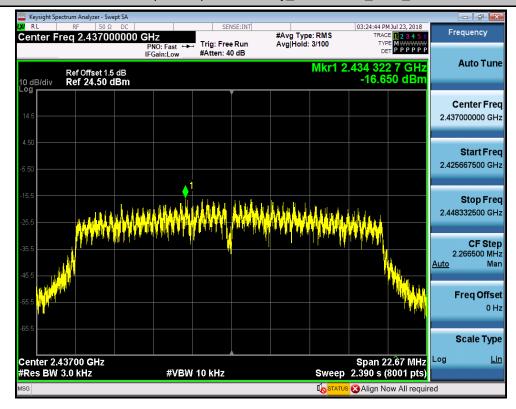
Report No.: GZEM180400185401

Page: 73 of 106

Maximum Peak power spectral density_11N20SISO_2412_Ant1



Maximum Peak power spectral density_11N20SISO_2437_Ant1



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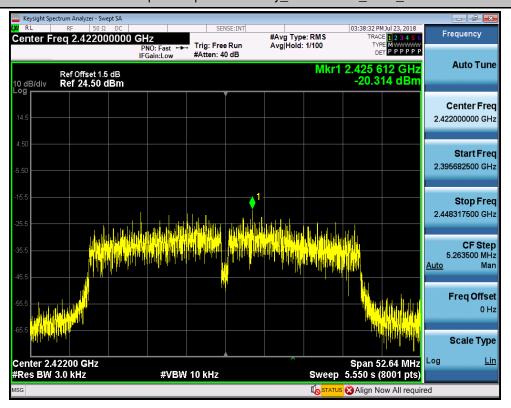
Report No.: GZEM180400185401

Page: 74 of 106

Maximum Peak power spectral density_11N20SISO_2462_Ant1



Maximum Peak power spectral density 11N40SISO 2422 Ant1



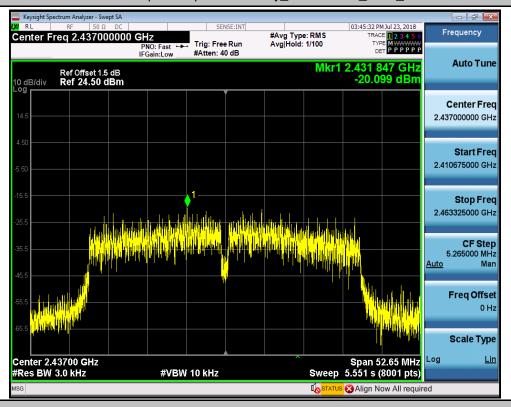
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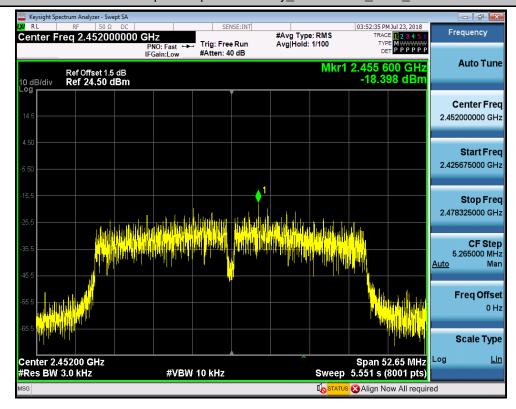
Report No.: GZEM180400185401

Page: 75 of 106

Maximum Peak power spectral density_11N40SISO_2437_Ant1



Maximum Peak power spectral density_11N40SISO_2452_Ant1



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Report No.: GZEM180400185401

Page: 76 of 106

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	6.682	-37.391	-13.32	PASS
11B	2462	Ant1	6.965	-38.406	-13.04	PASS
11G	2412	Ant1	0.013	-45.202	-19.99	PASS
11G	2462	Ant1	0.246	-42.292	-19.75	PASS
11N20SISO	2412	Ant1	0.065	-43.595	-19.94	PASS
11N20SISO	2462	Ant1	0.108	-42.452	-19.89	PASS
11N40SISO	2422	Ant1	-4.822	-40.179	-24.82	PASS
11N40SISO	2452	Ant1	-3.720	-36.622	-23.72	PASS



Report No.: GZEM180400185401

Page: 77 of 106

TEST PLOT Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1



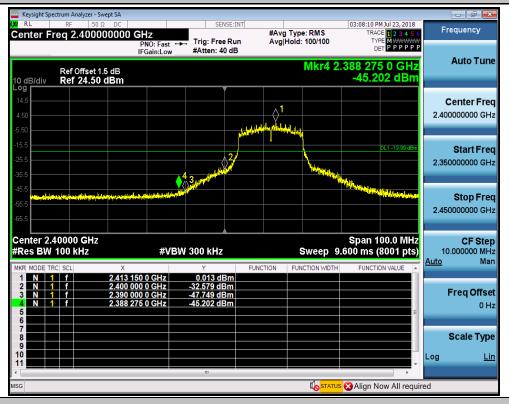
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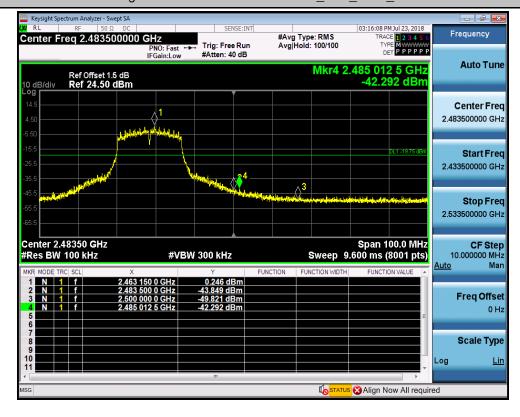
Report No.: GZEM180400185401

Page: 78 of 106

Band-edge for RF Conducted Emissions_11G_2412_Ant1



Band-edge for RF Conducted Emissions 11G 2462 Ant1

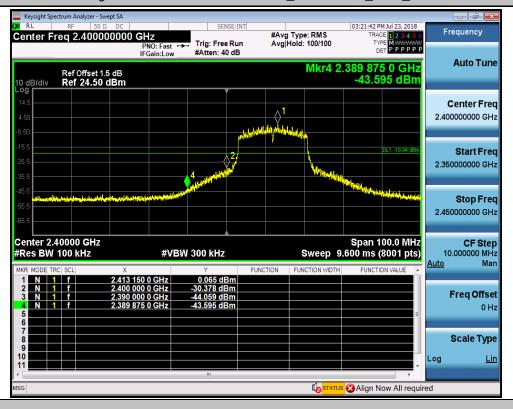




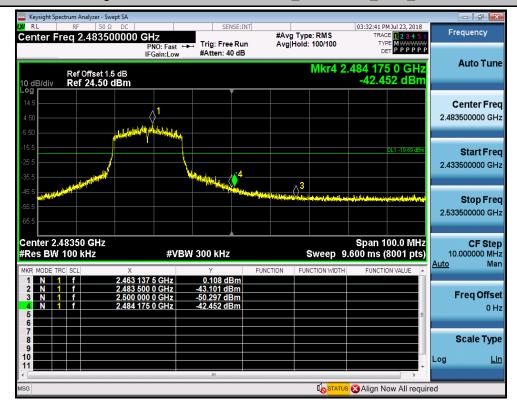
Report No.: GZEM180400185401

Page: 79 of 106

Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1

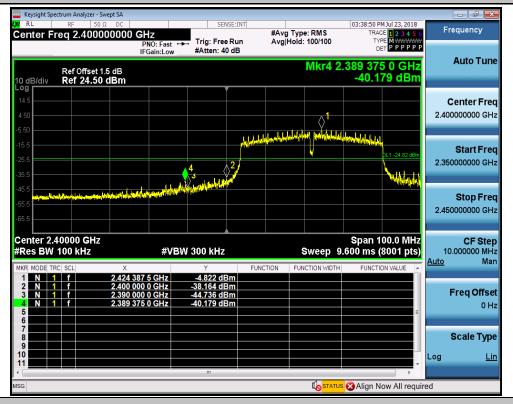




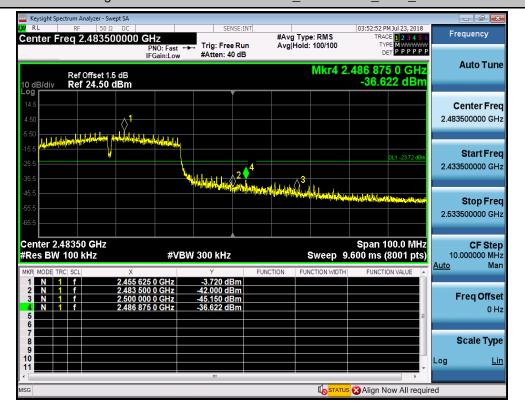
Report No.: GZEM180400185401

Page: 80 of 106

Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions 11N40SISO 2452 Ant1





Report No.: GZEM180400185401

Page: 81 of 106

5.RF Conducted Spurious Emissions

	5.ni Conducted Spurious Linissions											
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	6.665	-44.328	<- 13.335	PASS		
11B	2412	Ant1	10000	26000	100	300	6.665	-50.858	<- 13.335	PASS		
11B	2437	Ant1	30	10000	100	300	7.235	-48.732	<- 12.765	PASS		
11B	2437	Ant1	10000	26000	100	300	7.235	-51.534	<- 12.765	PASS		
11B	2462	Ant1	30	10000	100	300	7.018	-50.662	<- 12.982	PASS		
11B	2462	Ant1	10000	26000	100	300	7.018	-51.639	<- 12.982	PASS		
11G	2412	Ant1	30	10000	100	300	-0.083	-53.626	<- 20.083	PASS		
11G	2412	Ant1	10000	26000	100	300	-0.083	-51.514	<- 20.083	PASS		
11G	2437	Ant1	30	10000	100	300	0.128	-53.508	<- 19.872	PASS		
11G	2437	Ant1	10000	26000	100	300	0.128	-50.563	<- 19.872	PASS		
11G	2462	Ant1	30	10000	100	300	0.194	-50.308	<- 19.806	PASS		
11G	2462	Ant1	10000	26000	100	300	0.194	-51.114	<- 19.806	PASS		
11N20SISO	2412	Ant1	30	10000	100	300	-0.009	-53.230	<- 20.009	PASS		
11N20SISO	2412	Ant1	10000	26000	100	300	-0.009	-50.943	<- 20.009	PASS		
11N20SISO	2437	Ant1	30	10000	100	300	-0.248	-53.001	<- 20.248	PASS		
11N20SISO	2437	Ant1	10000	26000	100	300	-0.248	-51.226	<- 20.248	PASS		
11N20SISO	2462	Ant1	30	10000	100	300	0.06	-53.471	<- 19.94	PASS		
11N20SISO	2462	Ant1	10000	26000	100	300	0.06	-50.570	<- 19.94	PASS		



Report No.: GZEM180400185401

Page: 82 of 106

11N40SISO	2422	Ant1	30	10000	100	300	-4.827	-53.967	<- 24.827	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-4.827	-51.394	<- 24.827	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-3.916	-53.988	<- 23.916	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-3.916	-50.611	<- 23.916	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-3.716	-53.054	<- 23.716	PASS
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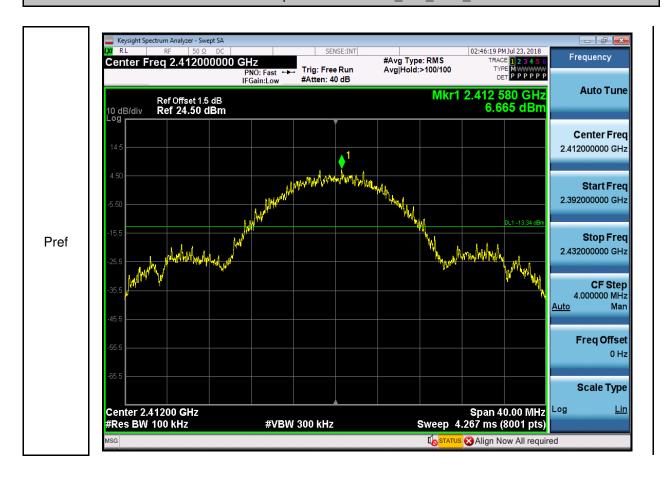


Report No.: GZEM180400185401

Page: 83 of 106

TEST PLOT

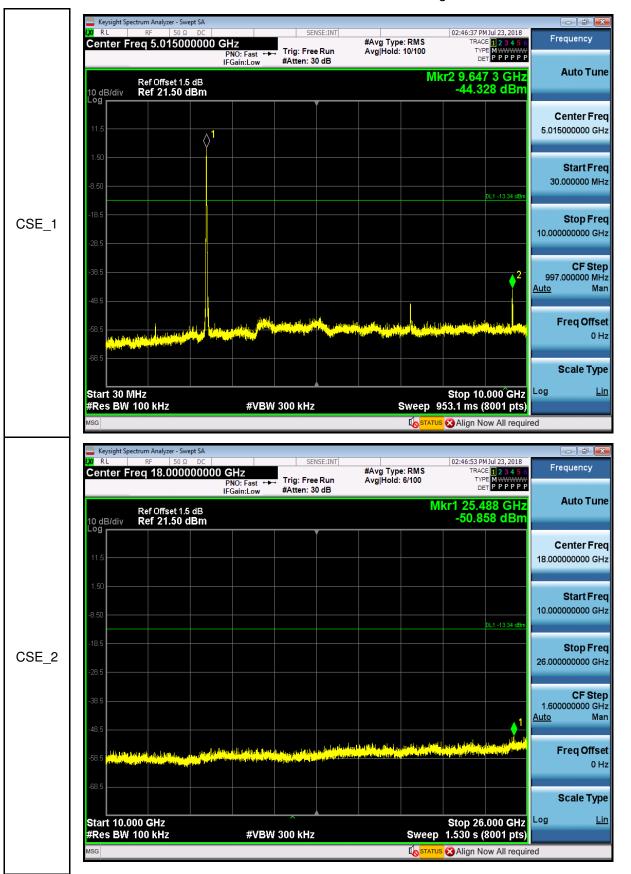
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Report No.: GZEM180400185401

Page: 84 of 106

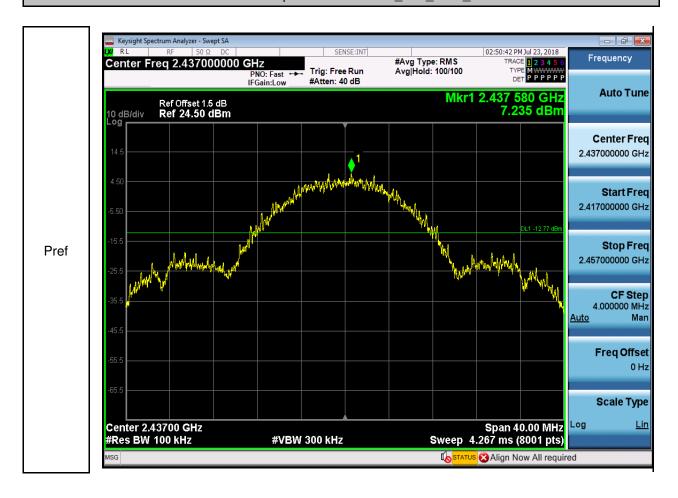




Report No.: GZEM180400185401

Page: 85 of 106

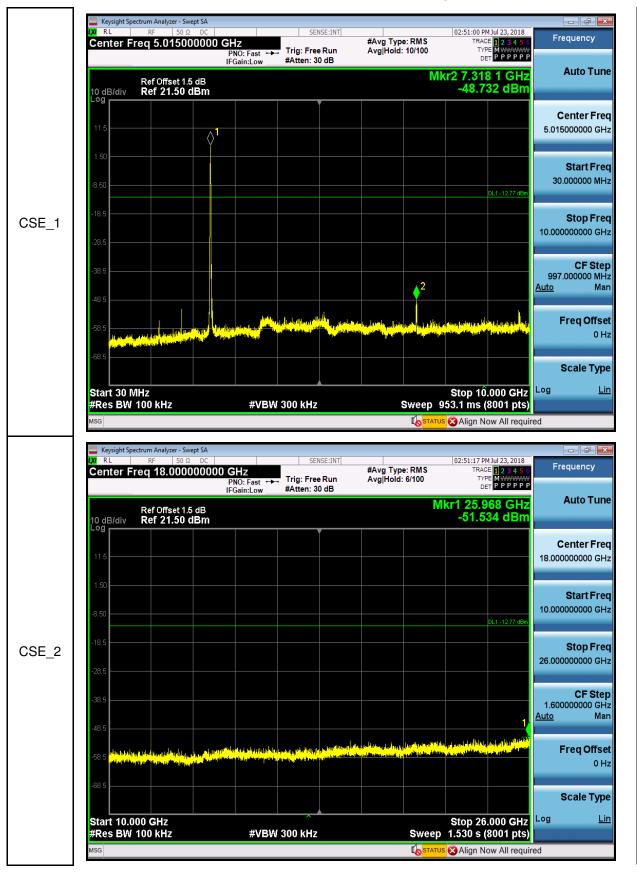
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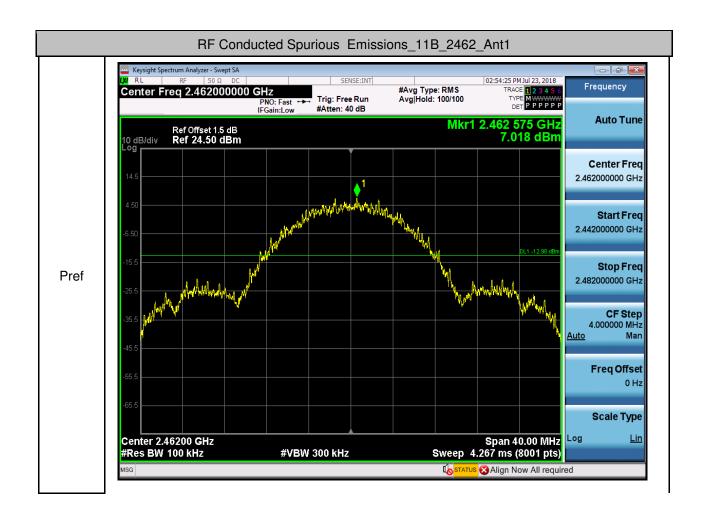
Page: 86 of 106





Report No.: GZEM180400185401

Page: 87 of 106

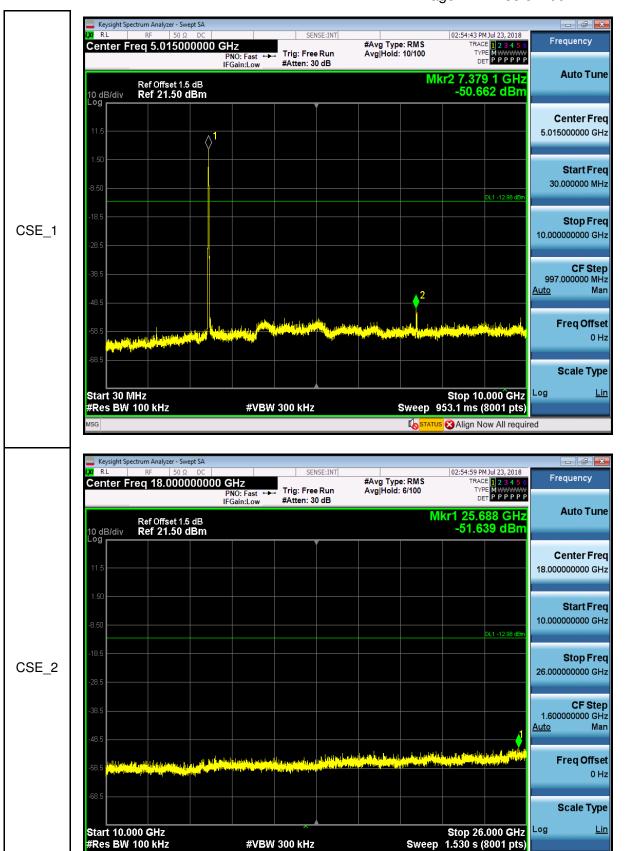




Report No.: GZEM180400185401

Page: 88 of 106

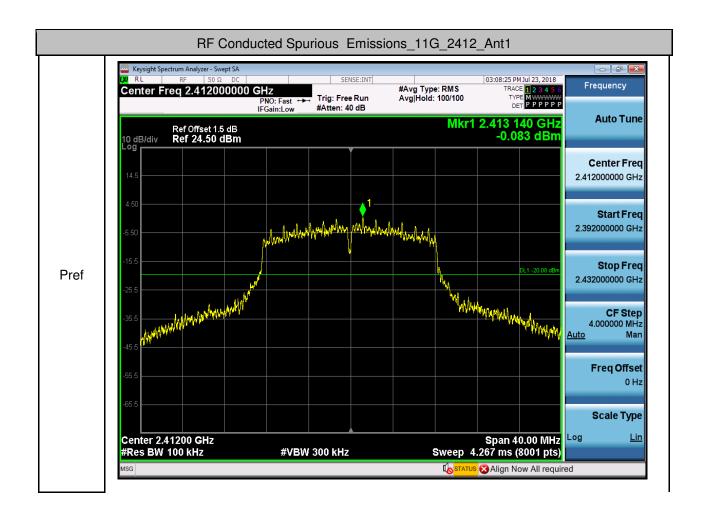
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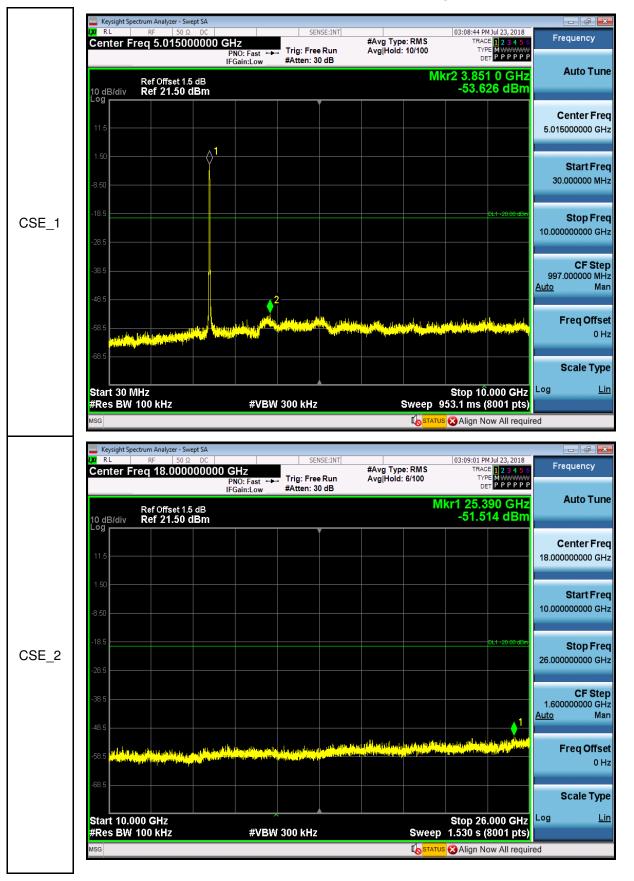
Page: 89 of 106





Report No.: GZEM180400185401

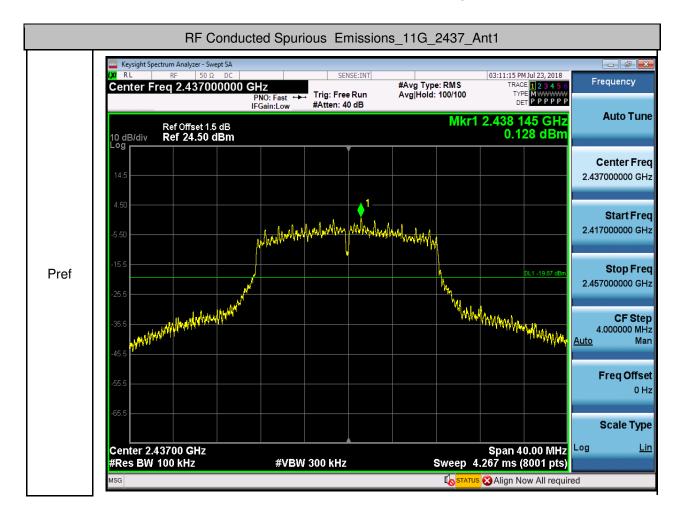
Page: 90 of 106





Report No.: GZEM180400185401

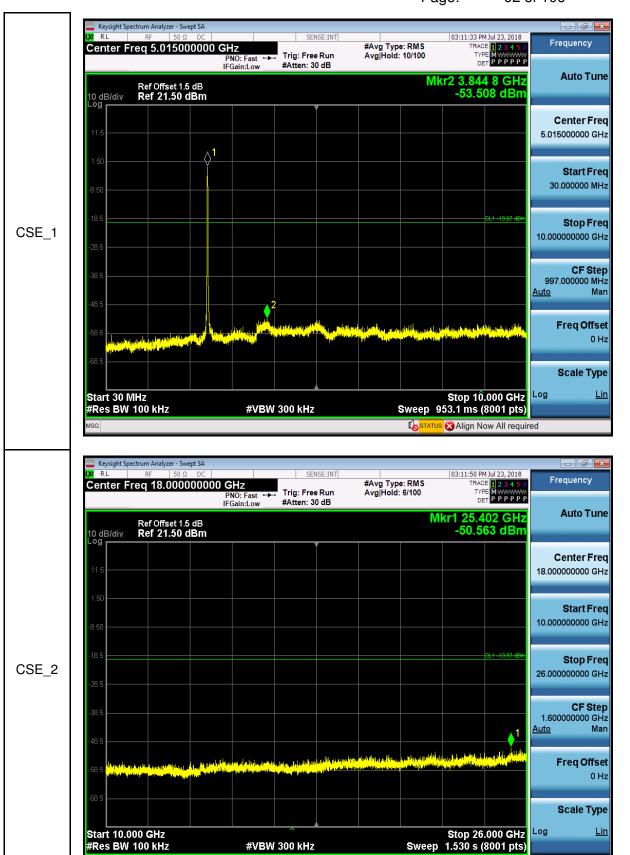
Page: 91 of 106





Report No.: GZEM180400185401

Page: 92 of 106



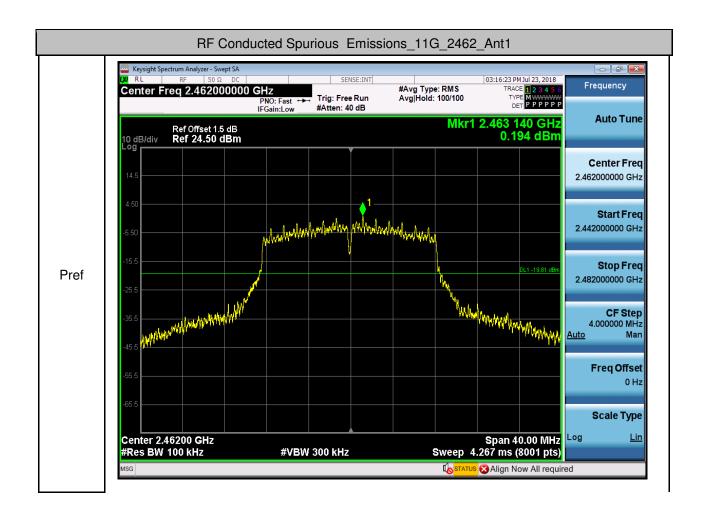
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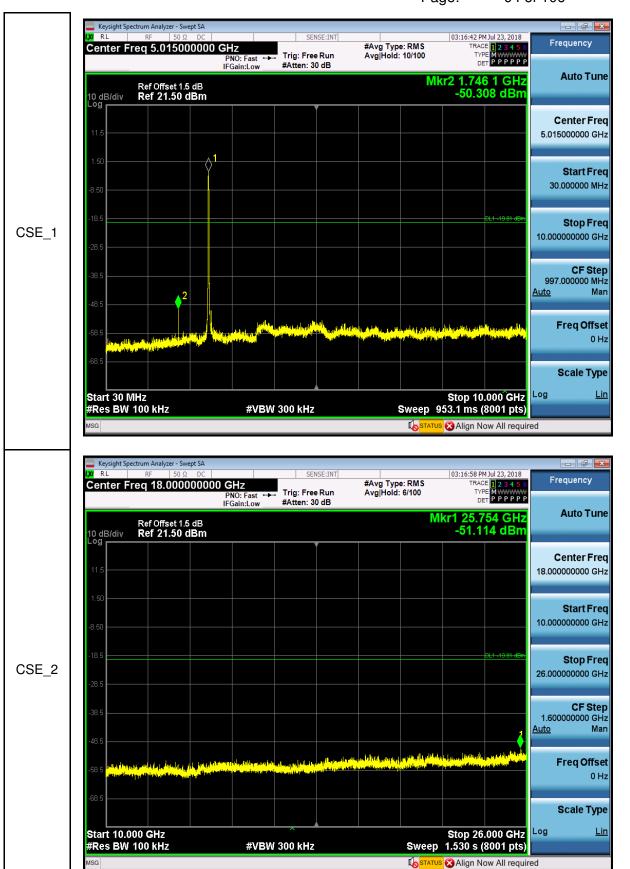
Page: 93 of 106





Report No.: GZEM180400185401

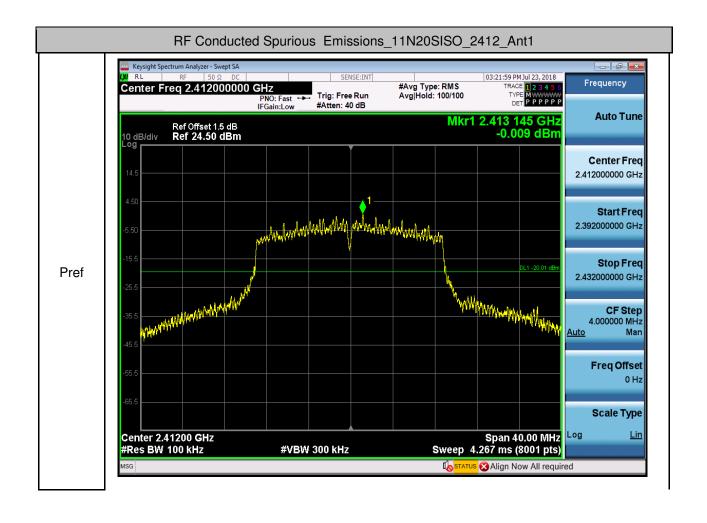
Page: 94 of 106





Report No.: GZEM180400185401

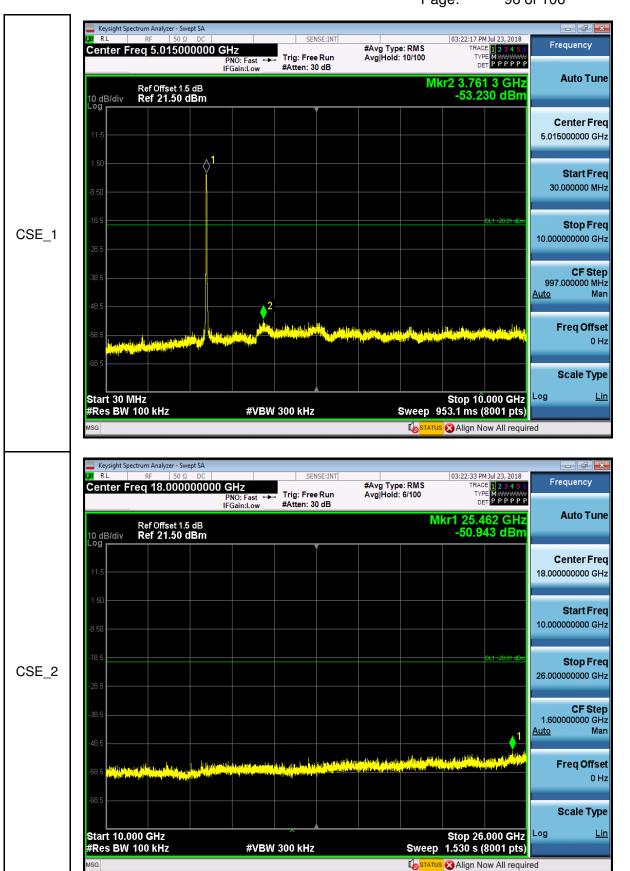
Page: 95 of 106





Report No.: GZEM180400185401

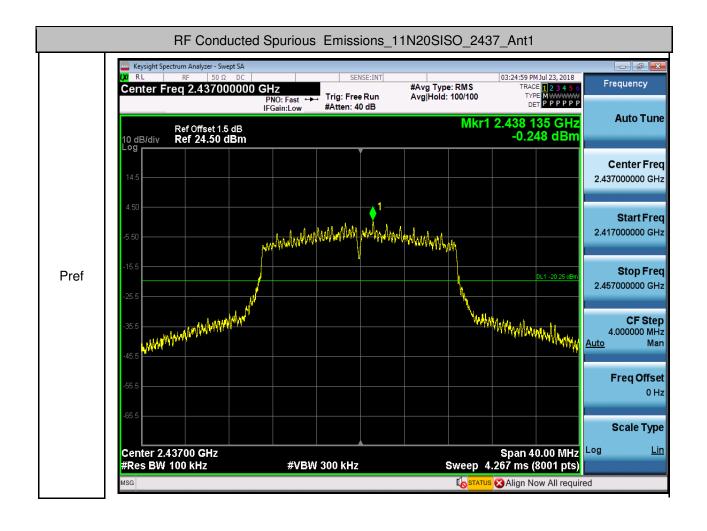
Page: 96 of 106





Report No.: GZEM180400185401

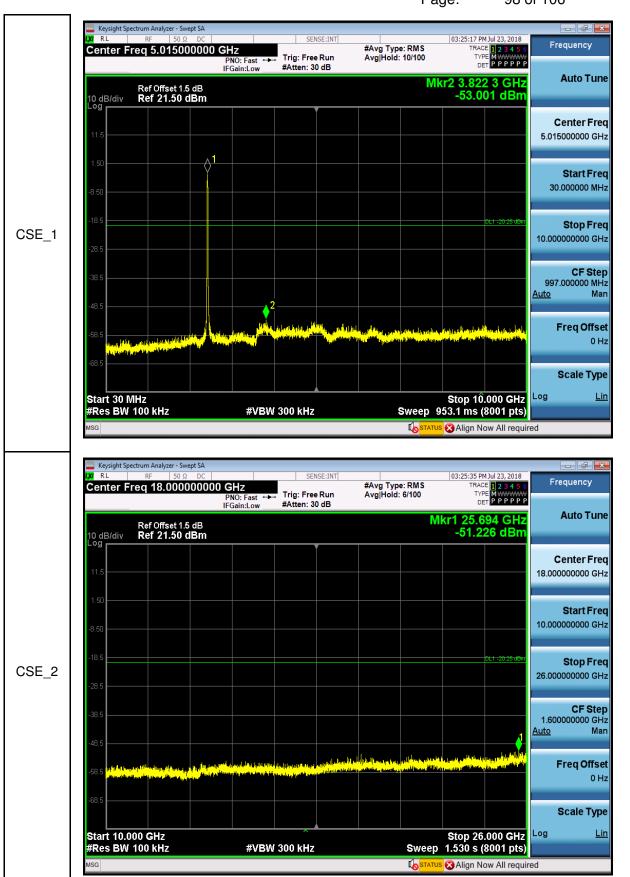
Page: 97 of 106





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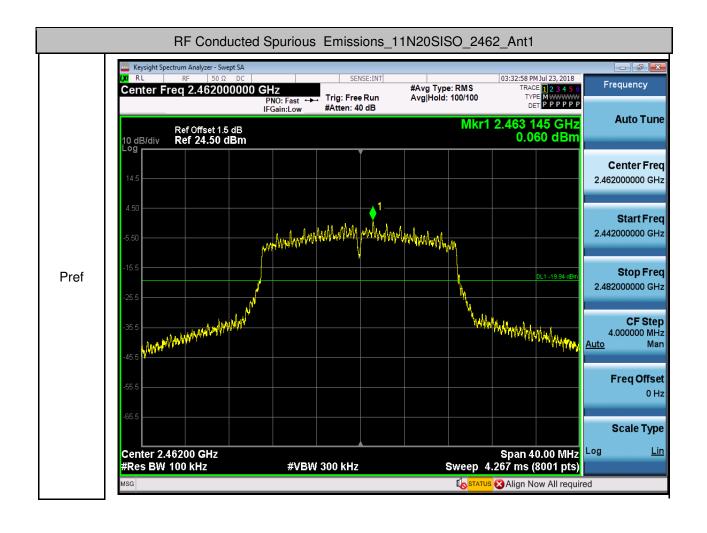
Page: 98 of 106





Report No.: GZEM180400185401

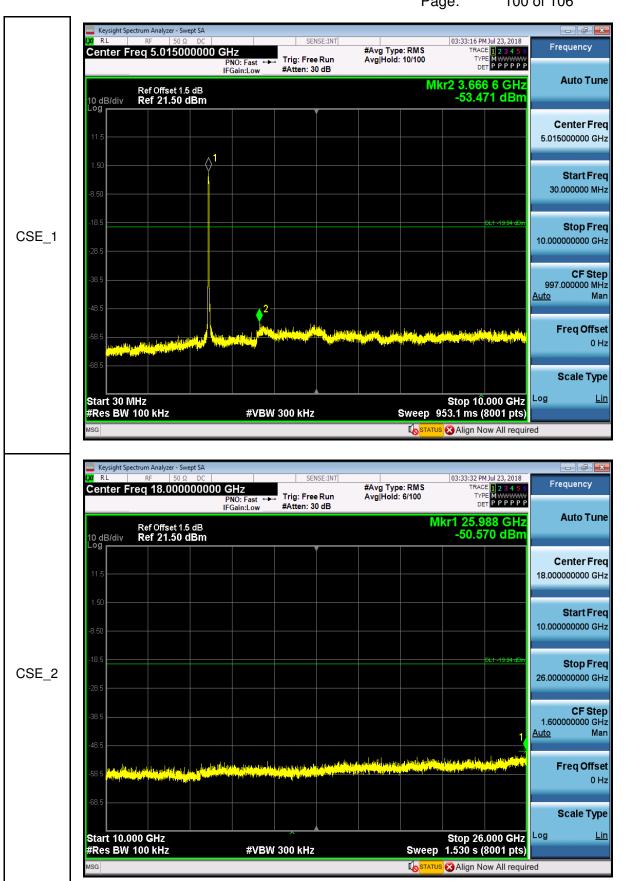
Page: 99 of 106





Report No.: GZEM180400185401

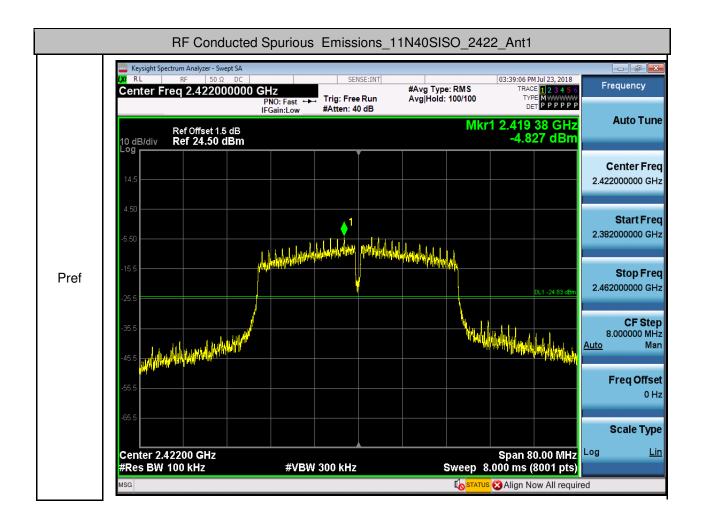
100 of 106 Page:





Report No.: GZEM180400185401

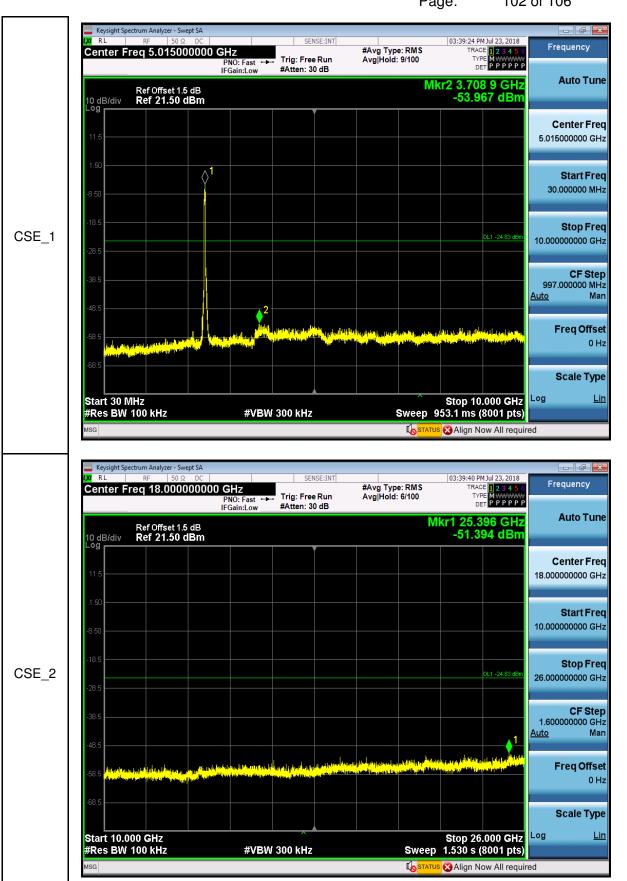
Page: 101 of 106





Report No.: GZEM180400185401

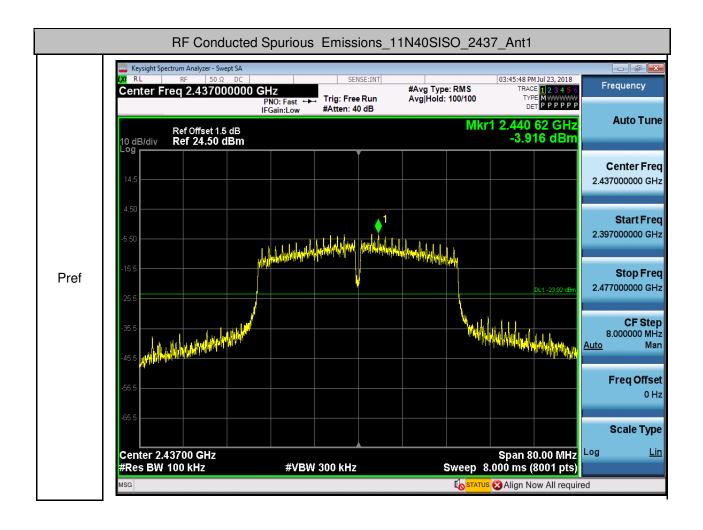
102 of 106 Page:





Report No.: GZEM180400185401

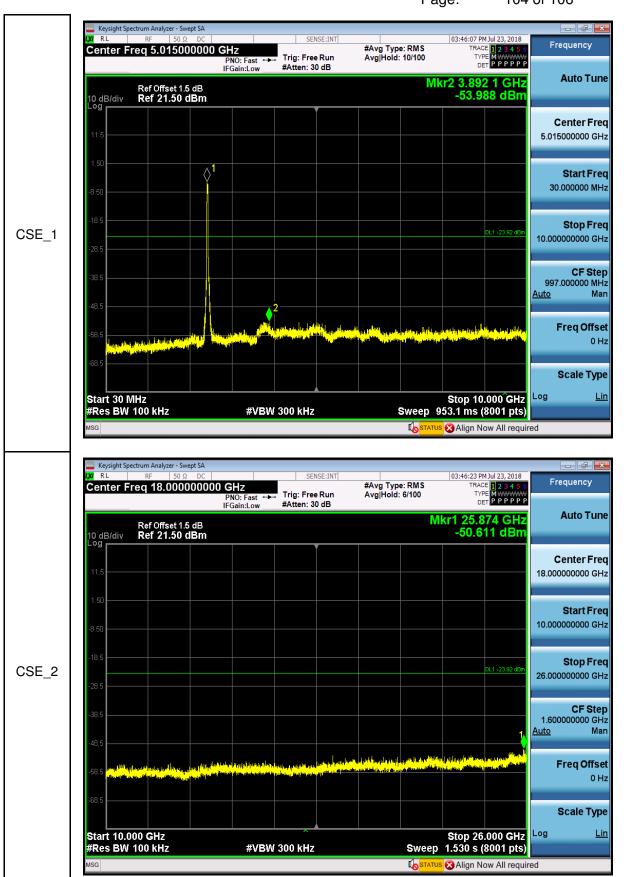
Page: 103 of 106





Report No.: GZEM180400185401

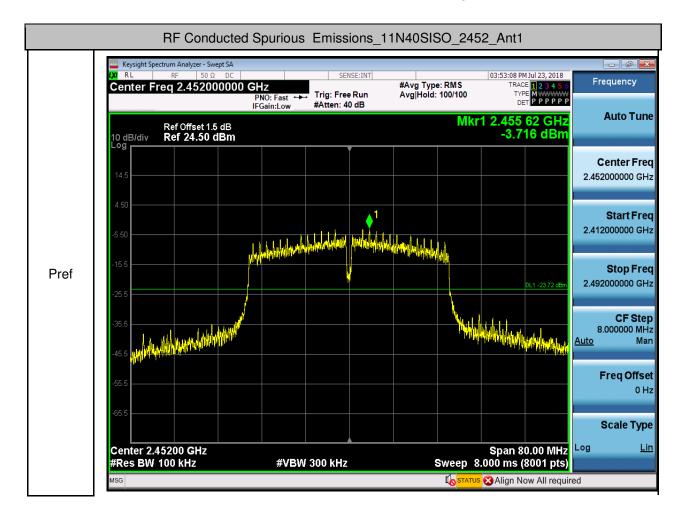
Page: 104 of 106





Report No.: GZEM180400185401

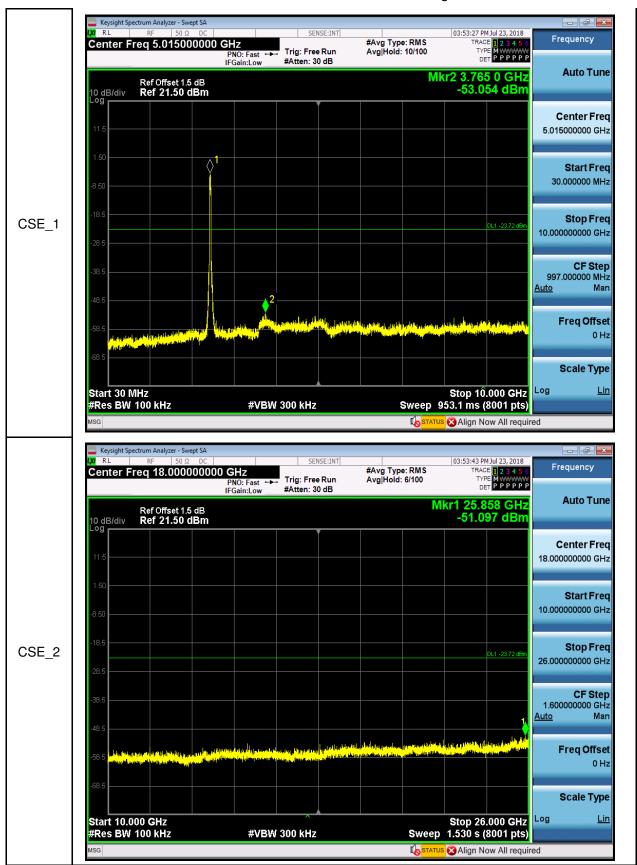
Page: 105 of 106





Report No.: GZEM180400185401

Page: 106 of 106



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