



Appendix B

E-UTRA Band CA_4A-5A



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1 Effective (Isotropic) Radiated Power Output Data

1.1.1. Max Power Test Result for LTE Band CA_4A-5A

PCC

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	15MHz	QPSK	20025	1RB#0	22.04	26.04	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.44	26.44	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.40	26.4	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.47	25.47	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.33	25.33	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.56	25.56	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.57	25.57	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.34	26.34	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.53	26.53	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.22	26.22	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.45	25.45	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.49	25.49	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.68	25.68	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.64	25.64	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.50	26.5	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.47	26.47	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.49	26.49	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.67	25.67	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.39	25.39	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.54	25.54	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.64	25.64	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.86	25.86	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.01	26.01	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.86	25.86	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.96	24.96	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.97	24.97	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.88	24.88	30	PASS



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Band4	15MHz	64QAM	20025	75RB#0	20.77	24.77	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.03	26.03	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.97	25.97	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.00	26	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.82	24.82	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.90	24.9	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.87	24.87	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.92	24.92	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.88	25.88	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.13	26.13	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.13	26.13	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.74	24.74	30	PASS
Band4	15MHz	64QAM	20325	36RB#18	20.77	24.77	30	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.93	24.93	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.04	25.04	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.39	25.39	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.72	25.72	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.65	25.65	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.45	24.45	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.46	24.46	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.38	24.38	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.55	24.55	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.89	25.89	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.70	25.7	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.68	25.68	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.57	24.57	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.62	24.62	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.49	24.49	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.53	24.53	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.71	25.71	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.66	25.66	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.92	25.92	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.55	24.55	30	PASS





Band4	15MHz	16QAM	20325	36RB#0	20.61	24.61	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.51	24.51	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.63	24.63	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.34	26.34	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.50	26.5	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.36	26.36	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.49	25.49	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.32	25.32	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.62	25.62	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.38	25.38	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.67	26.67	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.16	26.16	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.43	26.43	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.37	25.37	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.31	25.31	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.71	25.71	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.48	25.48	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.50	26.5	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.20	26.2	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.46	26.46	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.44	25.44	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.62	25.62	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.31	25.31	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.73	25.73	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.57	25.57	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.88	25.88	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.00	26	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	21.08	25.08	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.77	24.77	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.00	25	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.89	24.89	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.97	25.97	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.92	25.92	30	PASS





Band4	20MHz	64QAM	20175	1RB#49	22.11	26.11	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.87	24.87	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.15	25.15	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.92	24.92	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.95	24.95	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.00	26	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.98	25.98	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.21	26.21	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.84	24.84	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.93	24.93	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.10	25.1	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.92	24.92	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.57	25.57	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.69	25.69	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.62	25.62	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.58	24.58	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.55	24.55	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.33	24.33	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.45	24.45	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.96	25.96	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.55	25.55	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.62	25.62	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.65	24.65	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.62	24.62	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.48	24.48	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.35	24.35	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.68	25.68	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.83	25.83	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.82	25.82	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.53	24.53	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.63	24.63	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.44	24.44	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.33	24.33	30	PASS





SCC

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	22.54	23.39	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.45	23.3	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.52	23.37	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.53	22.38	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.44	22.29	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.48	22.33	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.63	22.48	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.40	23.25	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.74	23.59	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.25	23.1	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.74	22.59	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.54	22.39	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.66	22.51	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.56	22.41	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.42	23.27	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.48	23.33	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.19	23.04	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.56	22.41	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.57	22.42	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.62	22.47	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.44	22.29	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.13	22.98	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.80	22.65	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.87	22.72	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	21.02	21.87	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	21.05	21.9	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.93	21.78	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.99	21.84	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.01	22.86	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.05	22.9	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.17	23.02	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	21.17	22.02	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	21.02	21.87	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	21.09	21.94	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.04	21.89	38.45	PASS



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Band5	10MHz	64QAM	20600	1RB#49	21.92	22.77	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.26	23.11	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.89	22.74	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.83	21.68	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.79	21.64	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.75	21.6	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.93	21.78	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.65	22.5	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.81	22.66	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.87	22.72	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.33	21.18	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.54	21.39	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.45	21.3	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.65	21.5	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.55	22.4	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.73	22.58	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.63	22.48	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.46	21.31	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.77	21.62	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.34	21.19	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.63	21.48	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.88	22.73	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.72	22.57	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.59	22.44	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.39	21.24	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.32	21.17	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.44	21.29	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.54	21.39	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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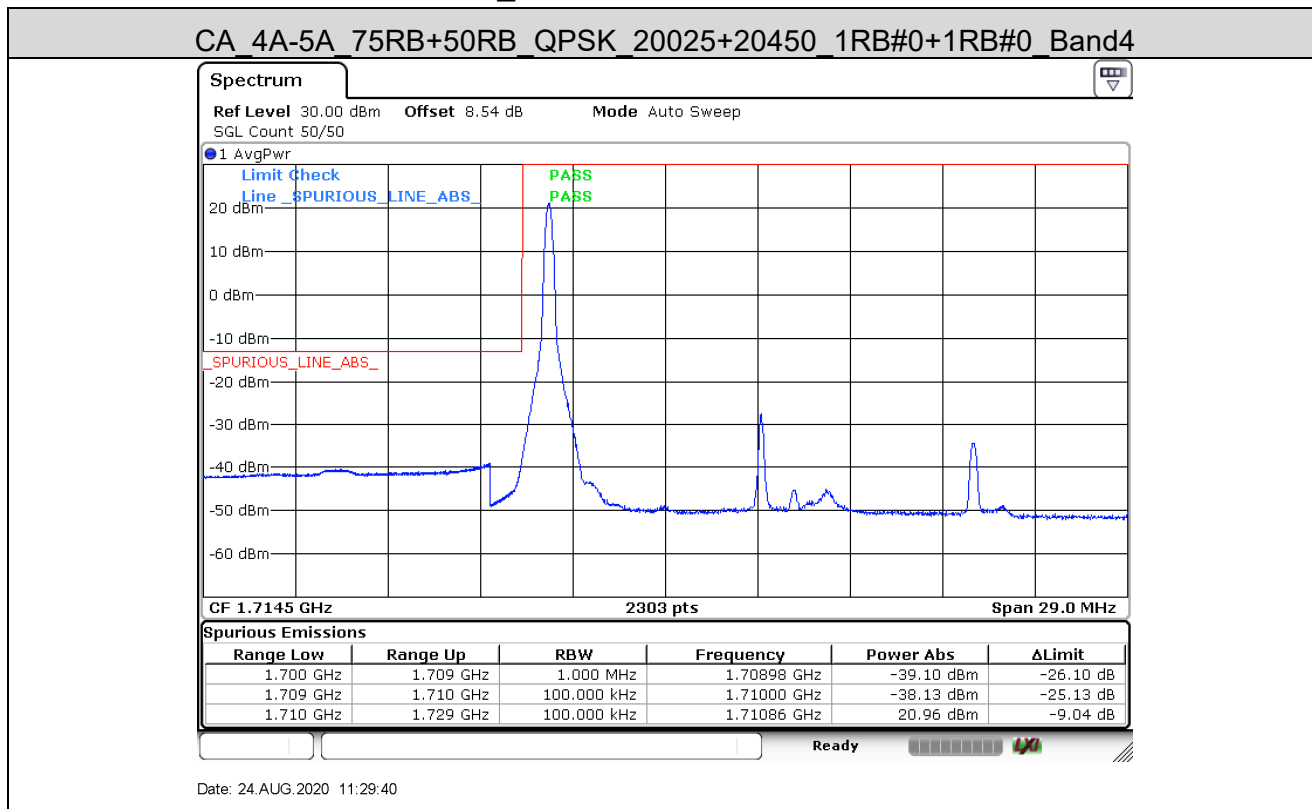
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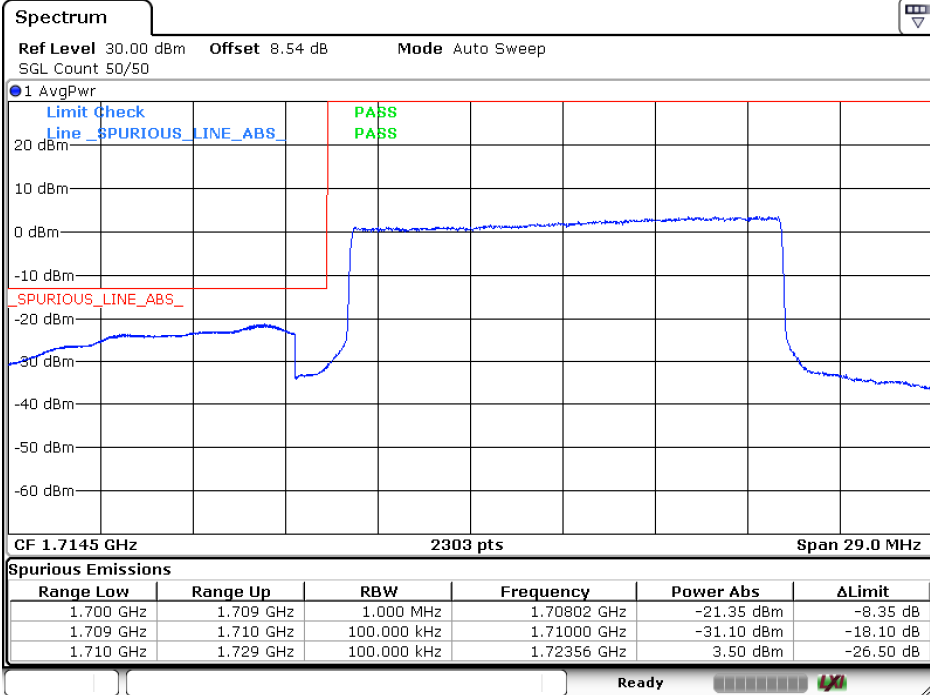
2 Band Edges Compliance

1.1.2. For LTE

2.1.1 Test Band = LTE Band CA_4A-5A

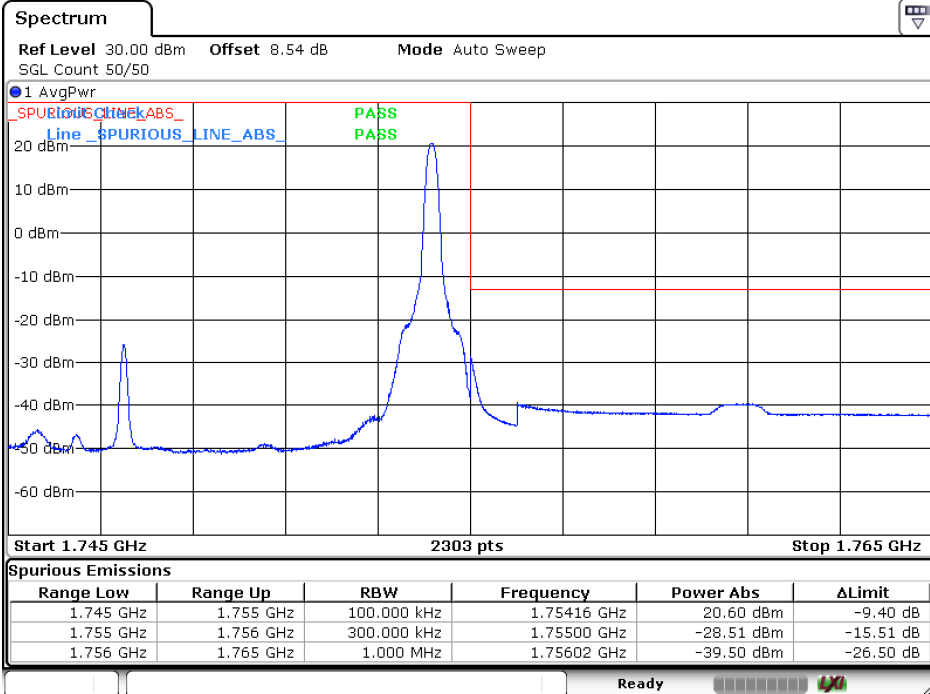


CA 4A-5A 75RB+50RB QPSK 20025+20450 75RB#0+50RB#0 Band4



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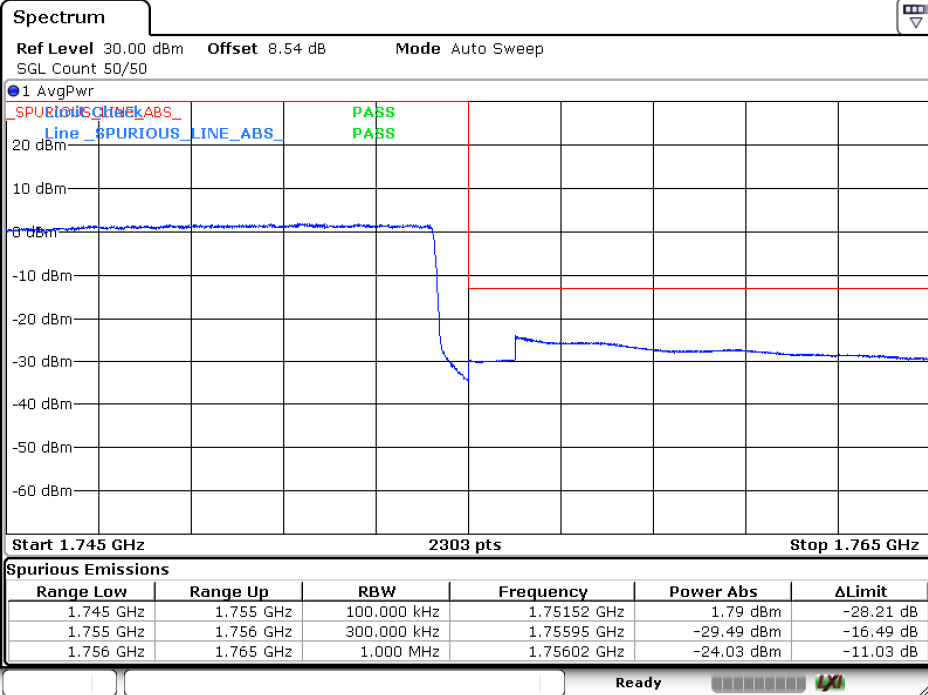
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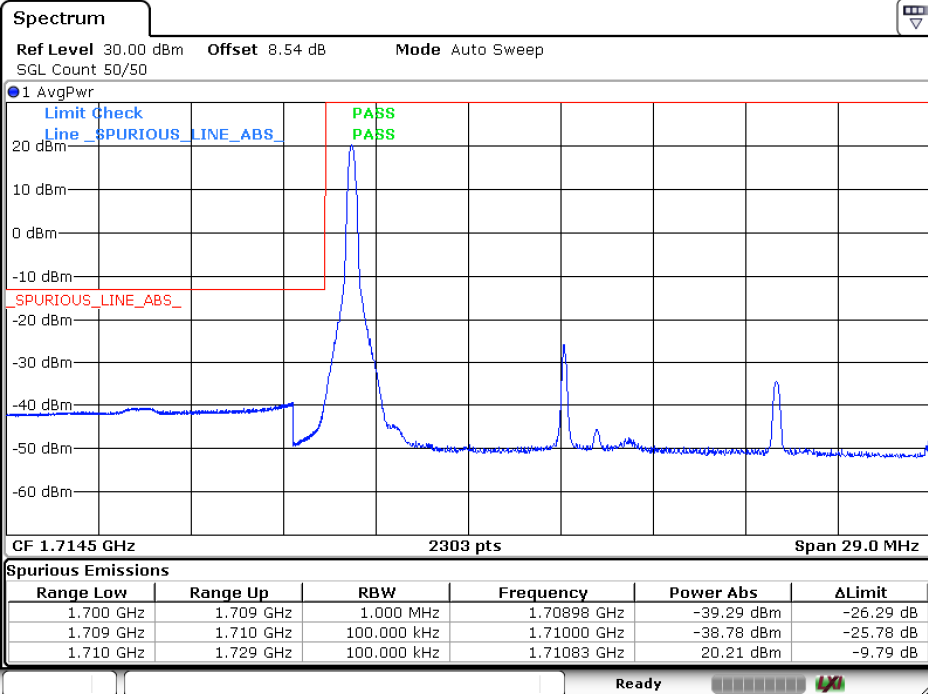


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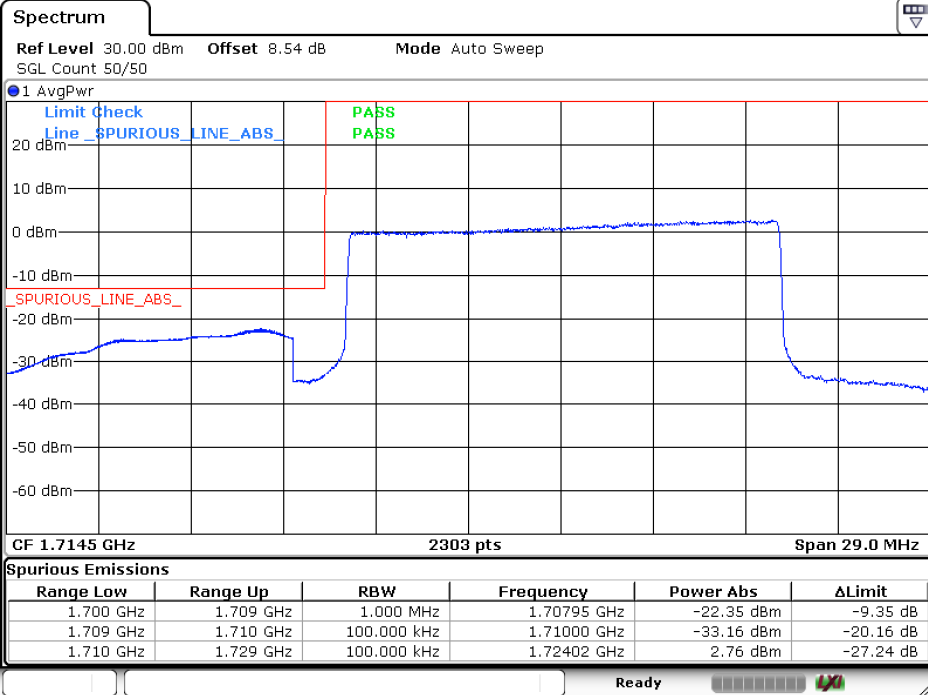
CA 4A-5A 75RB+50RB 16QAM 20025+20450 1RB#0+1RB#0 Band4



Date: 24.AUG.2020 11:28:22

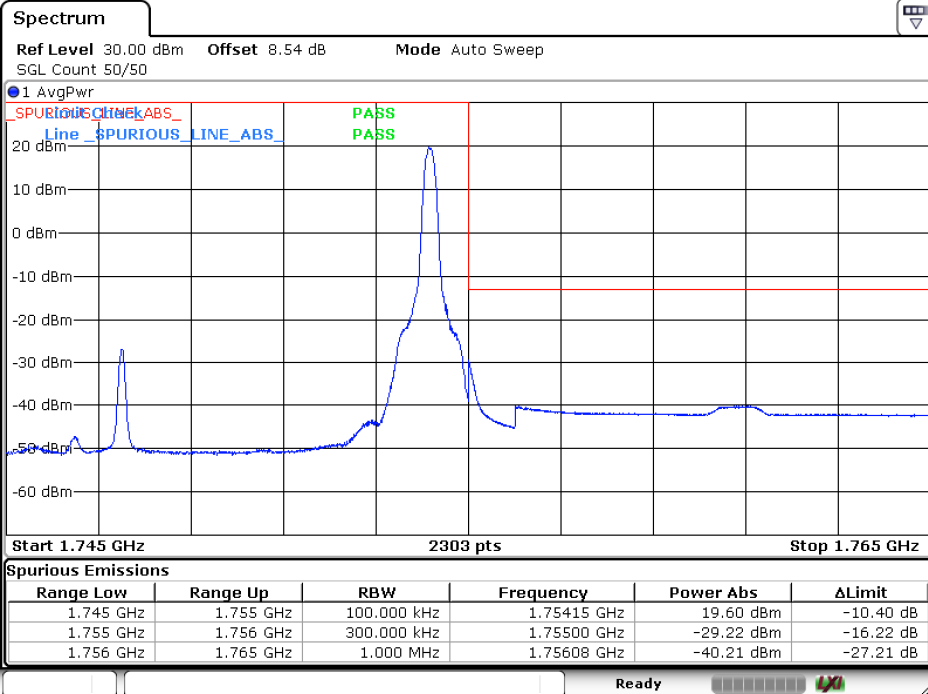


CA 4A-5A 75RB+50RB 16QAM 20025+20450 75RB#0+50RB#0 Band4



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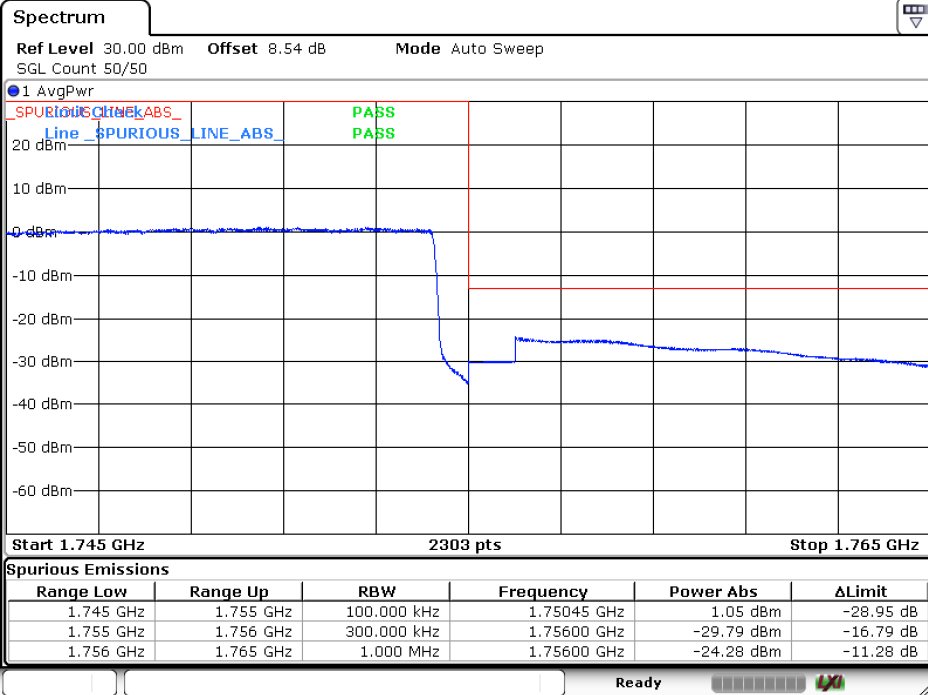
CA 4A-5A 75RB+50RB 16QAM 20325+20600 1RB#74+1RB#49 Band4



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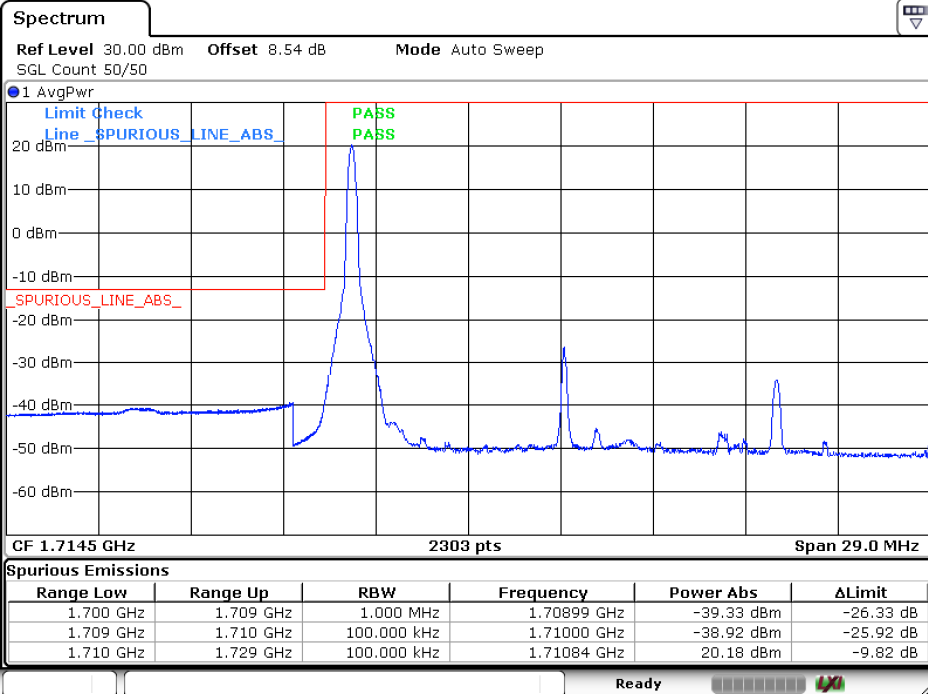


CA 4A-5A 75RB+50RB 16QAM 20325+20600 75RB#0+50RB#0 Band4



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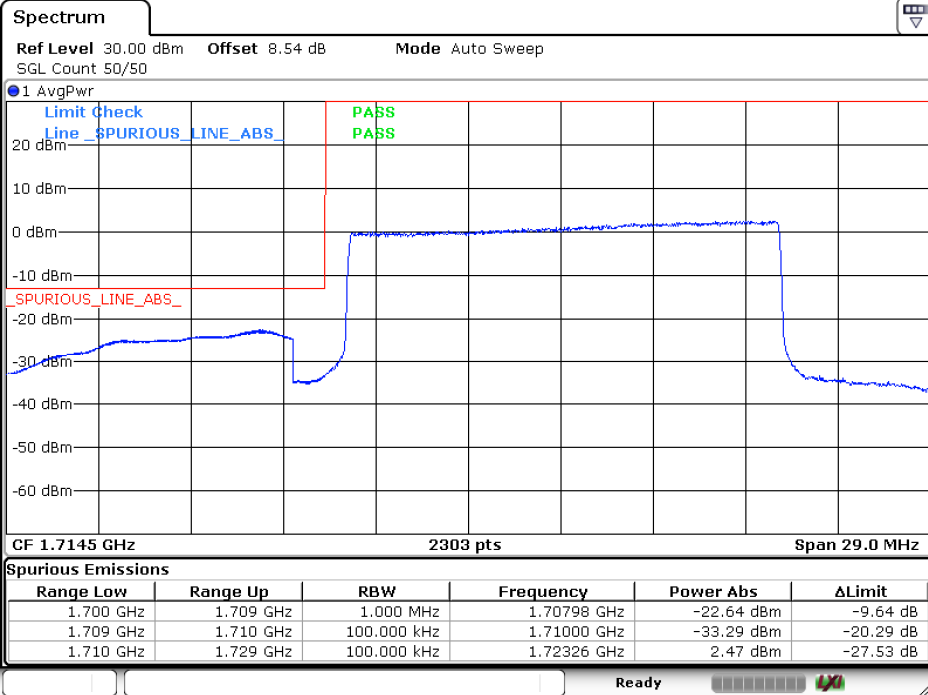
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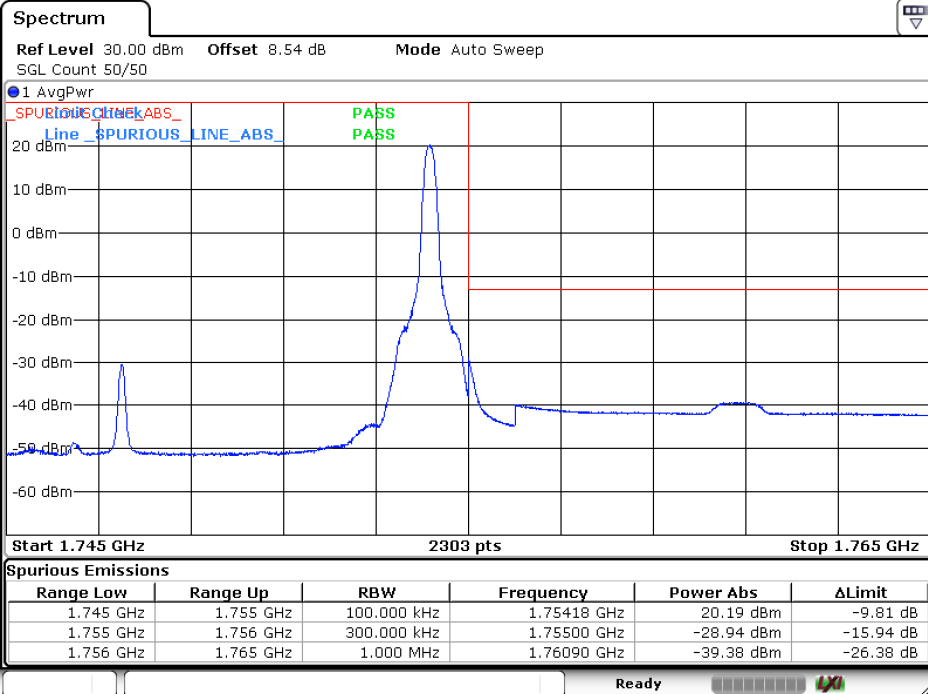


CA 4A-5A 75RB+50RB 64QAM 20025+20450 75RB#0+50RB#0 Band4



Date: 24.AUG.2020 11:34:05

CA 4A-5A 75RB+50RB 64QAM 20325+20600 1RB#74+1RB#49 Band4



Date: 24.AUG.2020 11:38:44



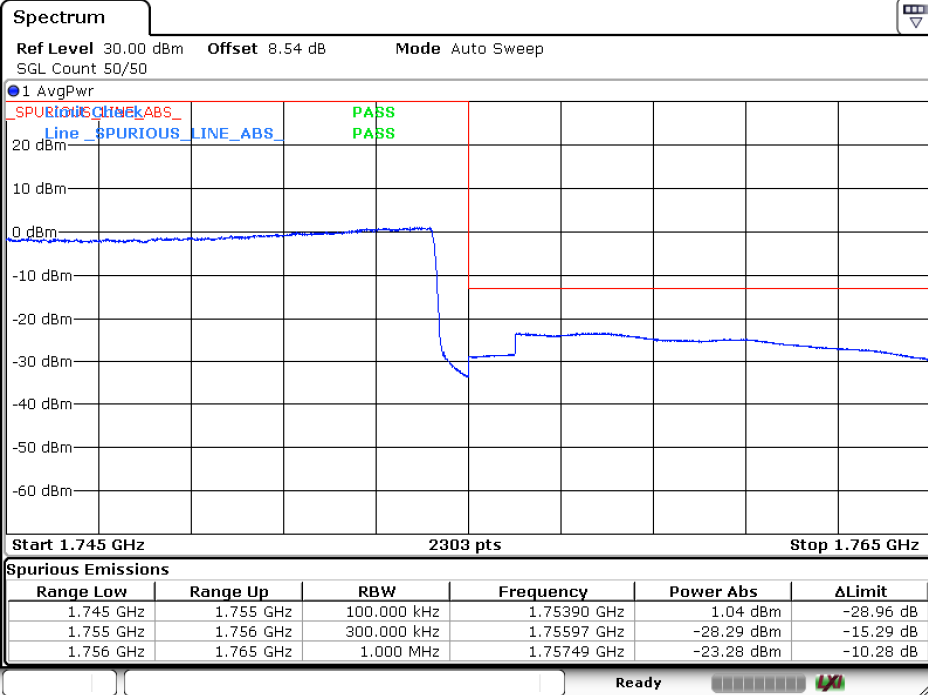
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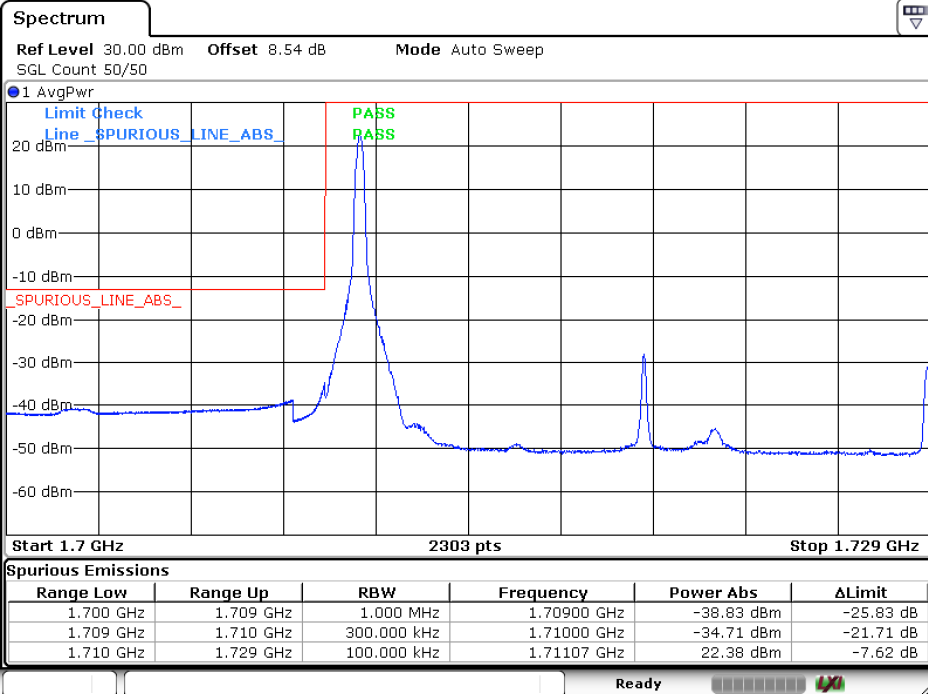
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CA 4A-5A 75RB+50RB 64QAM 20325+20600 75RB#0+50RB#0 Band4



Date: 24.AUG.2020 11:39:29

CA 4A-5A 100RB+50RB QPSK 20050+20450 1RB#0+1RB#0 Band4



Date: 24.AUG.2020 11:06:35



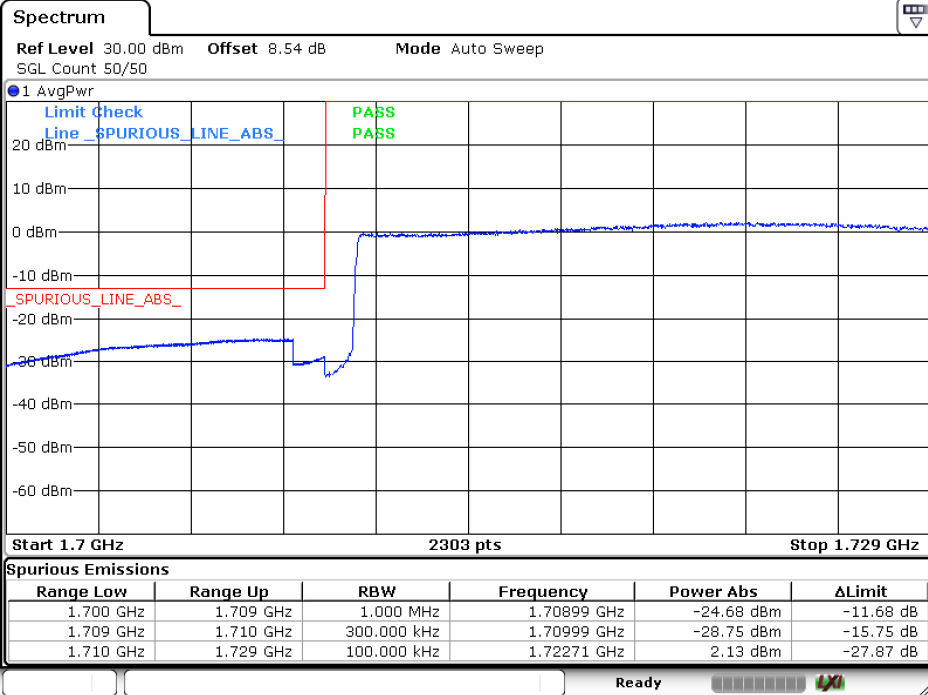
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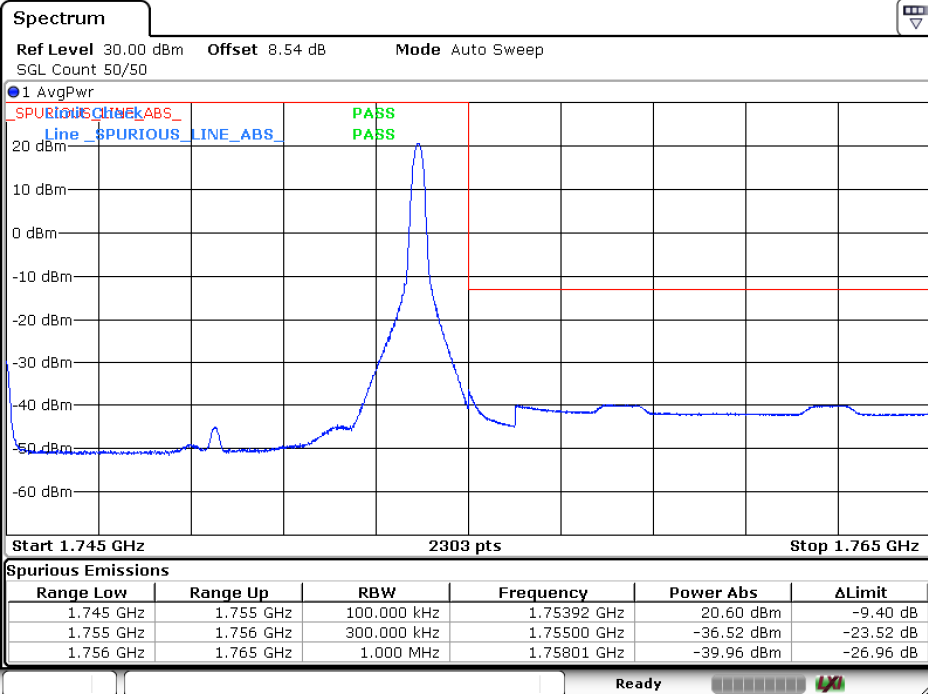
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CA 4A-5A 100RB+50RB QPSK 20050+20450 100RB#0+50RB#0 Band4



Date: 24.AUG.2020 11:00:02

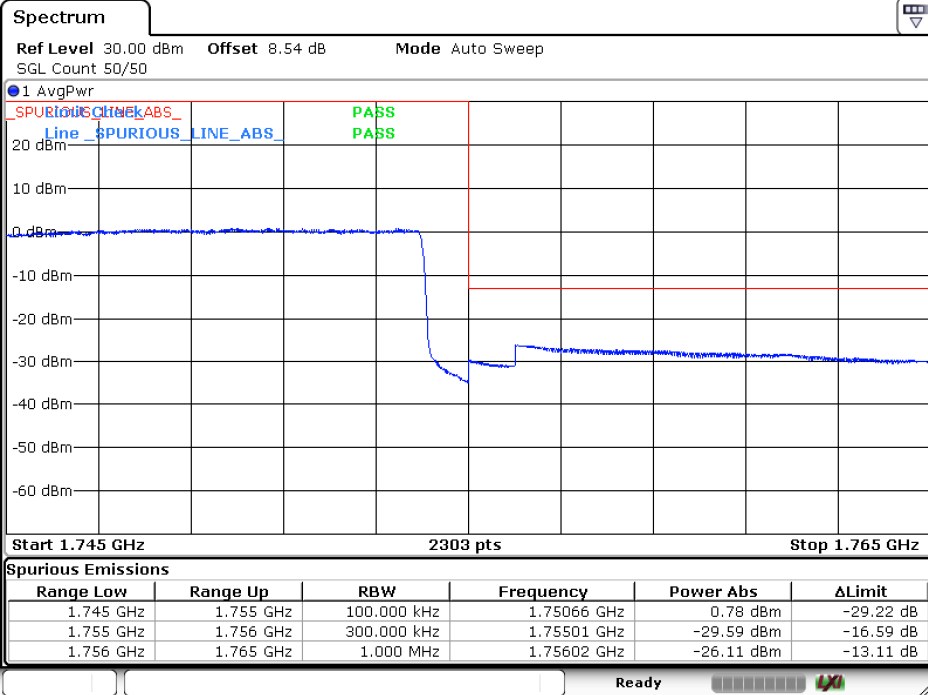
CA 4A-5A 100RB+50RB QPSK 20300+20600 1RB#99+1RB#49 Band4



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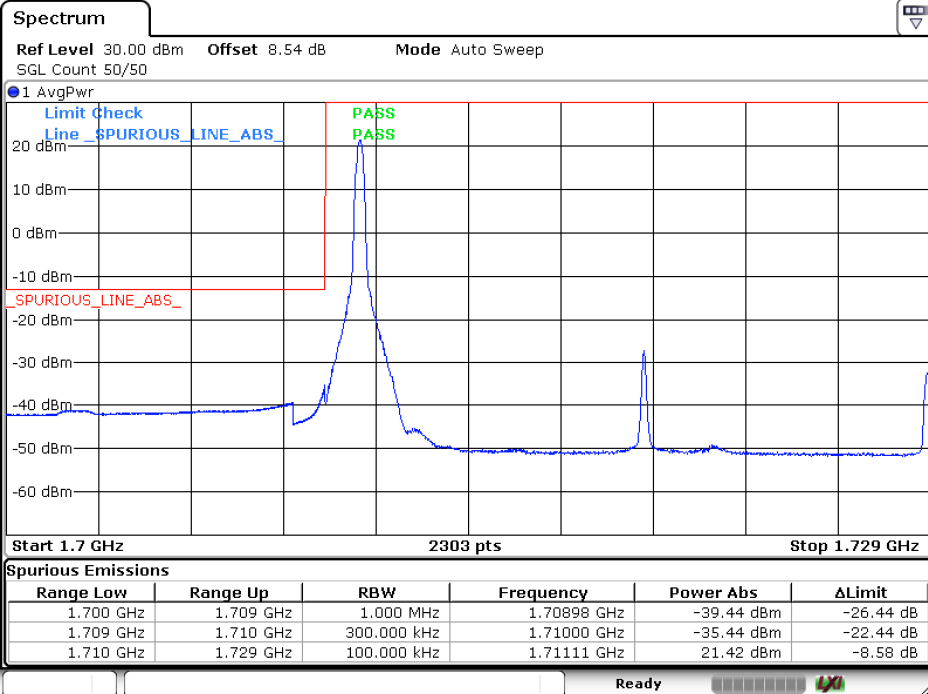


CA 4A-5A 100RB+50RB QPSK 20300+20600 100RB#0+50RB#0 Band4



Date: 24.AUG.2020 10:52:04

CA 4A-5A 100RB+50RB 16QAM 20050+20450 1RB#0+1RB#0 Band4



Date: 24.AUG.2020 11:06:03



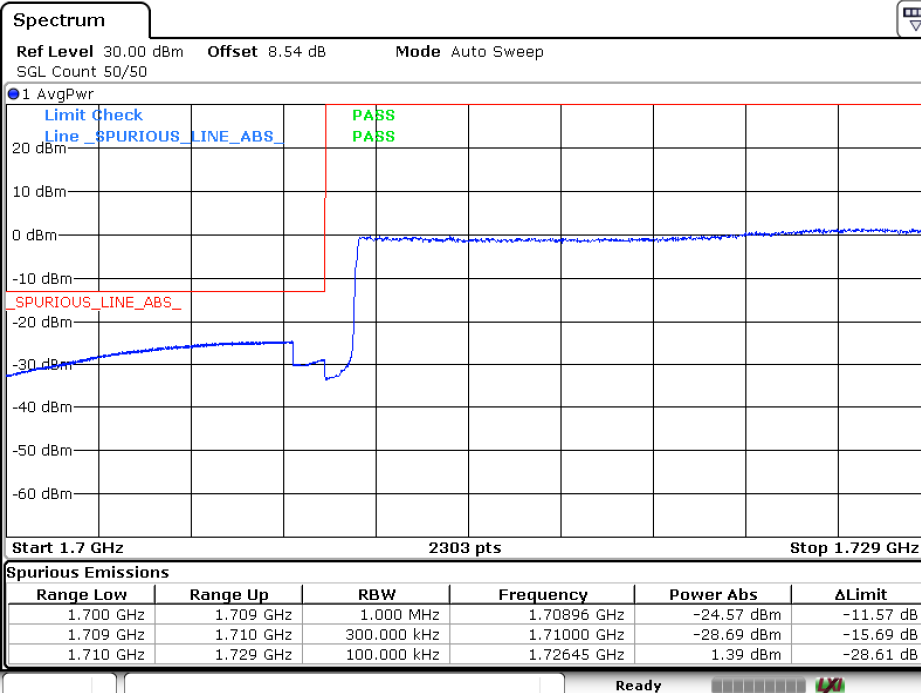
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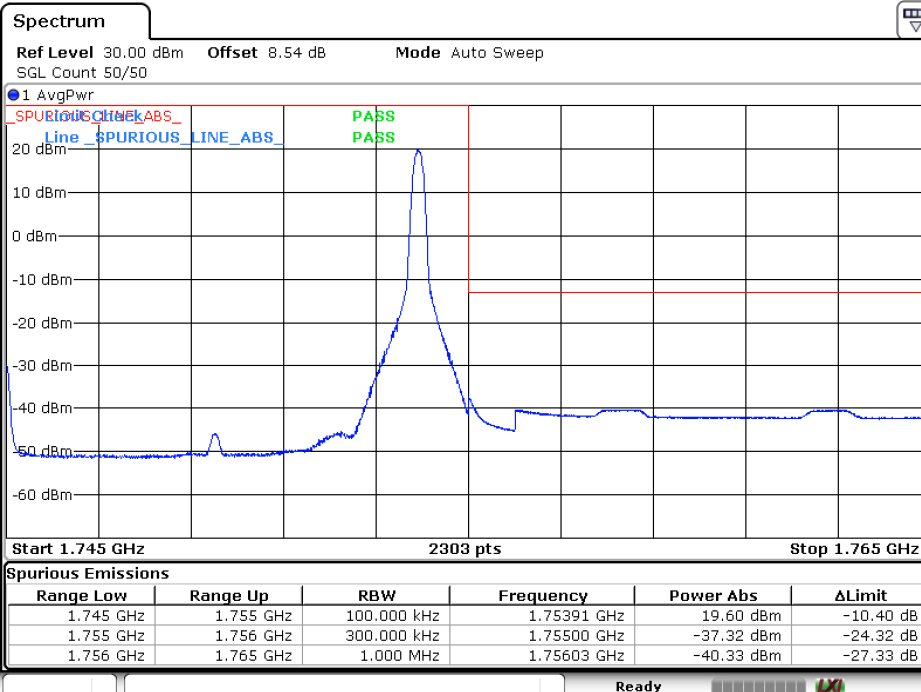
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CA 4A-5A 100RB+50RB 16QAM 20050+20450 100RB#0+50RB#0 Band4



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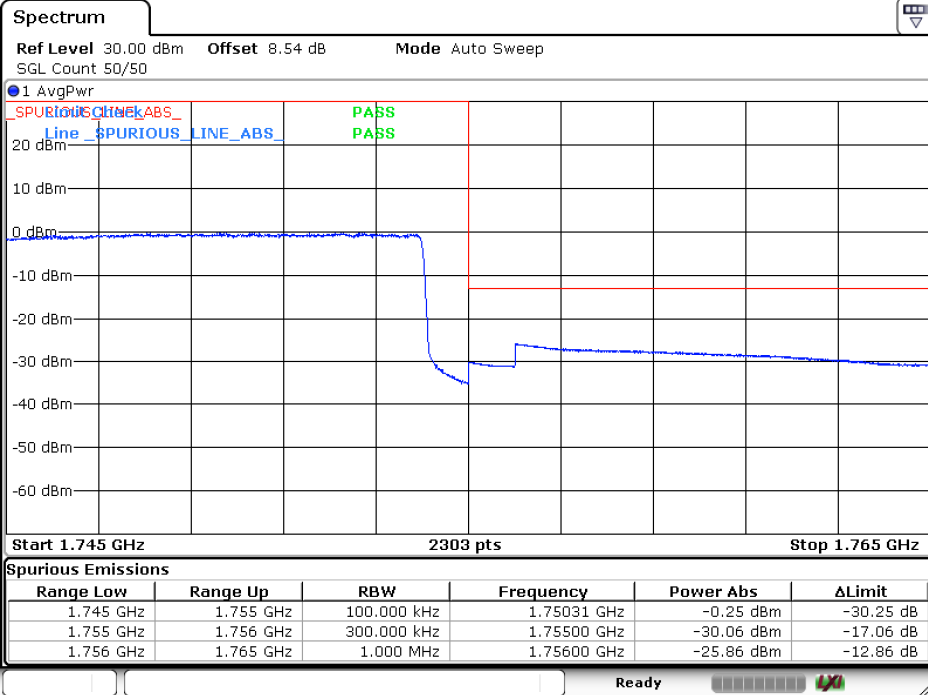
CA 4A-5A 100RB+50RB 16QAM 20300+20600 1RB#99+1RB#49 Band4



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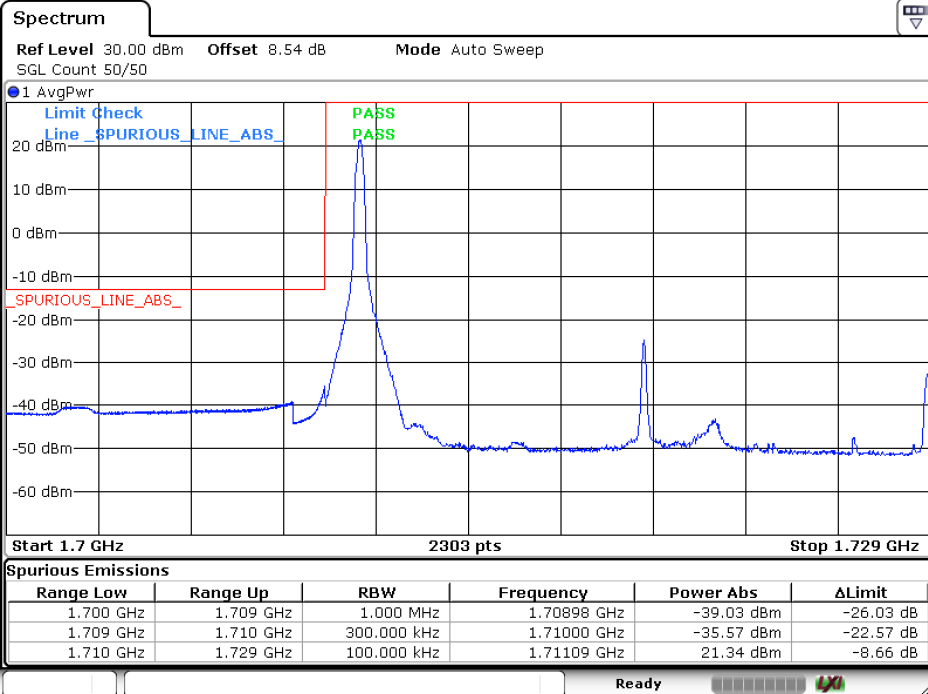


CA 4A-5A 100RB+50RB 16QAM 20300+20600 100RB#0+50RB#0 Band4



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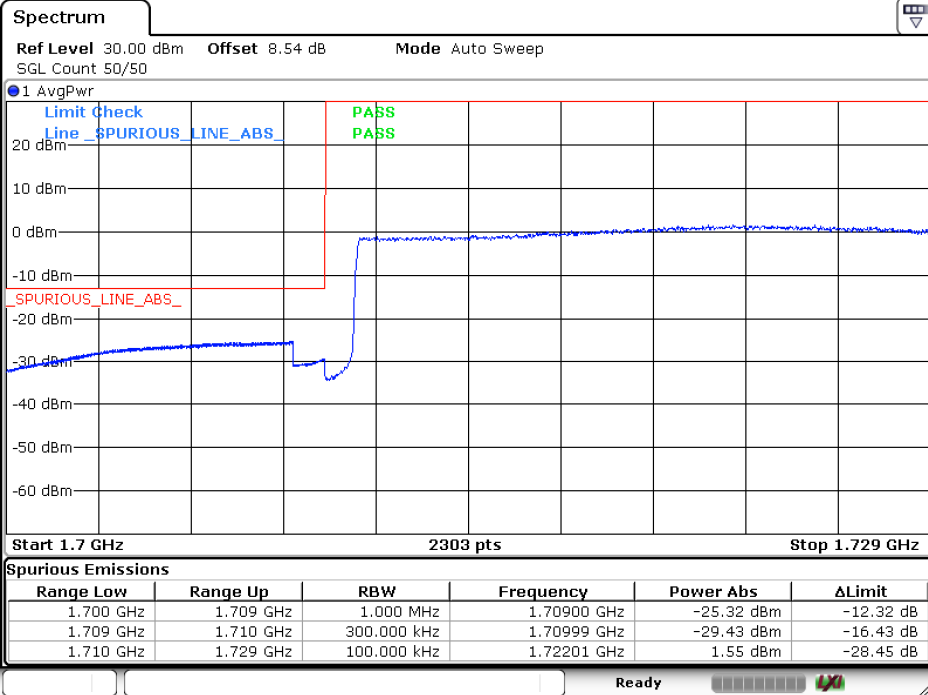
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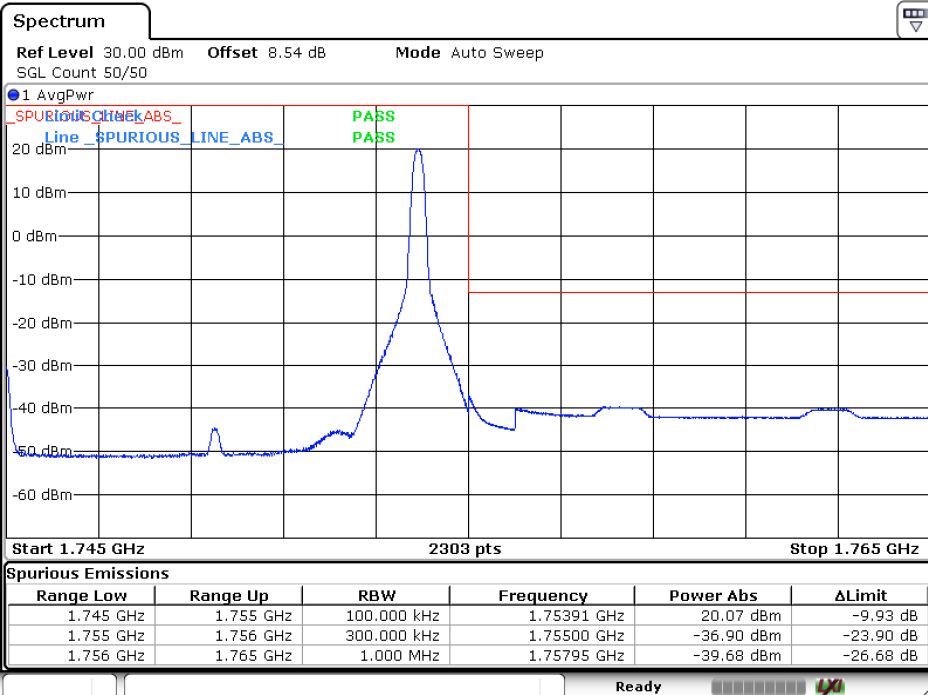


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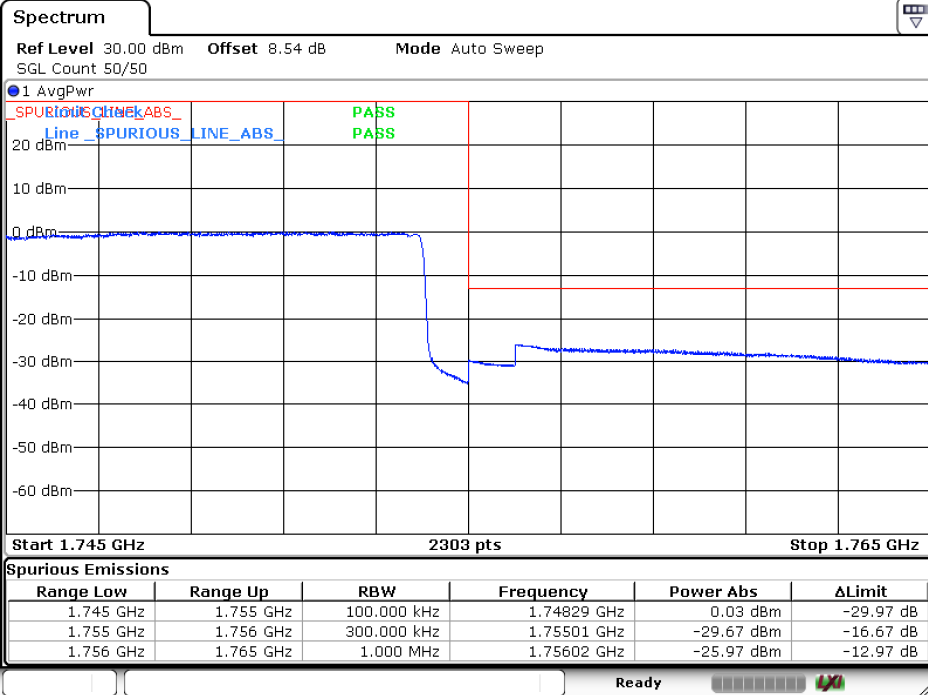
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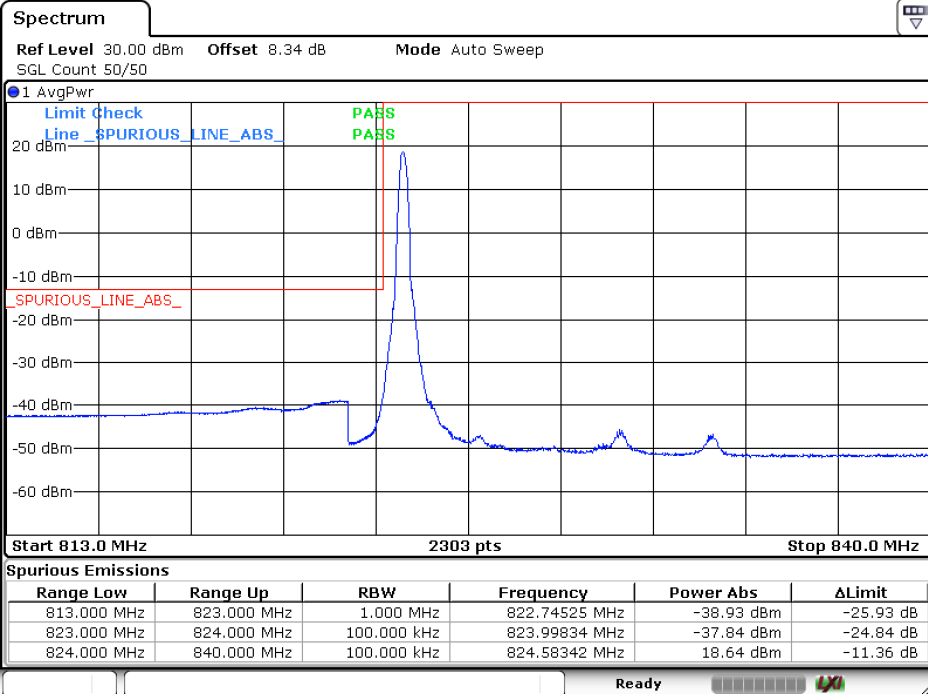


CA 4A-5A 100RB+50RB 64QAM 20300+20600 100RB#0+50RB#0 Band4



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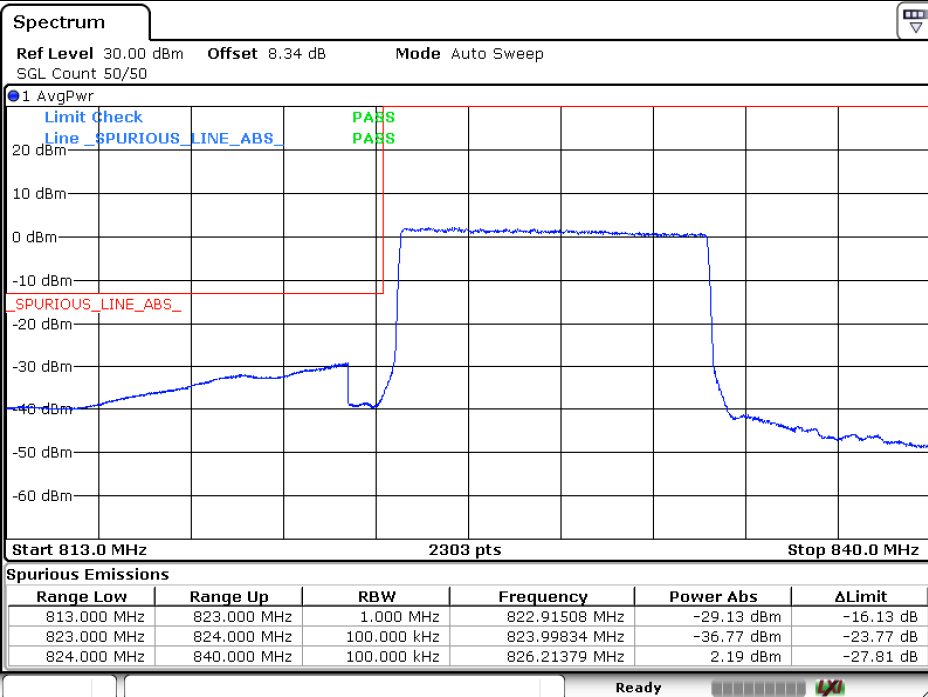
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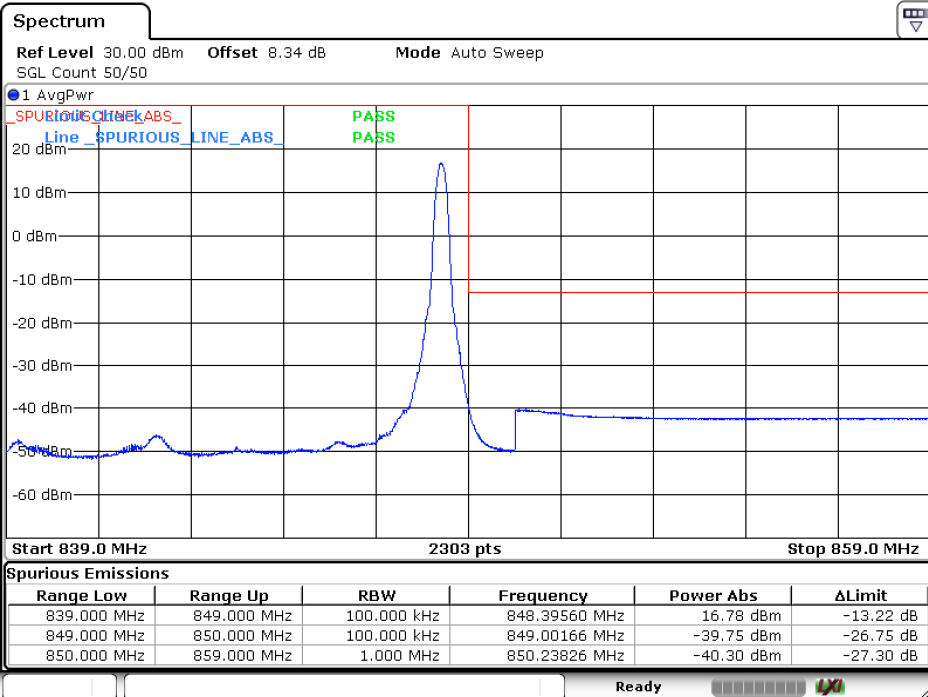


CA 4A-5A 75RB+50RB QPSK 20025+20450 75RB#0+50RB#0 Band5



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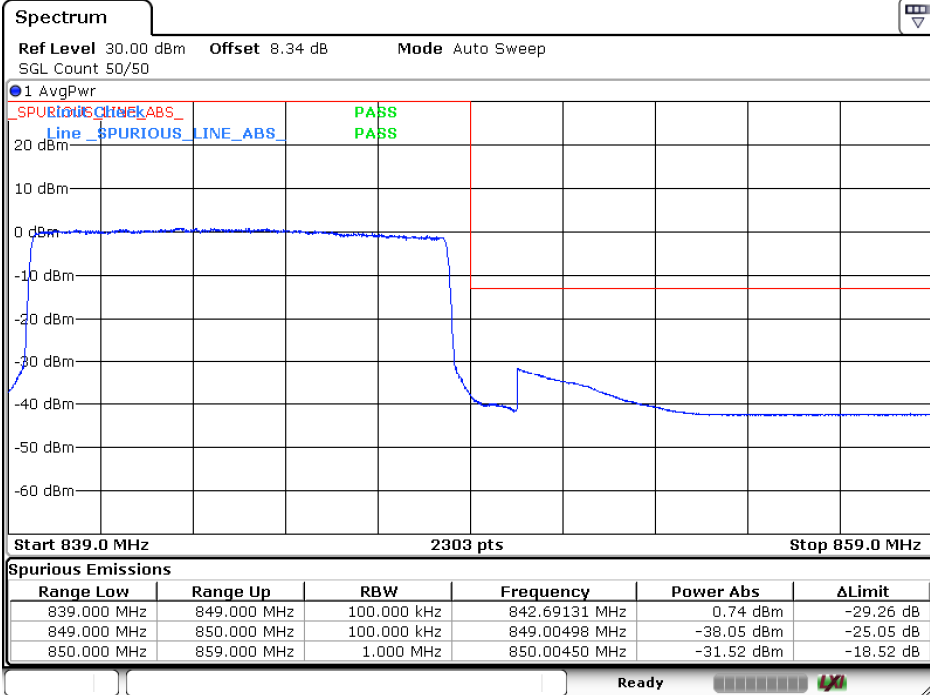
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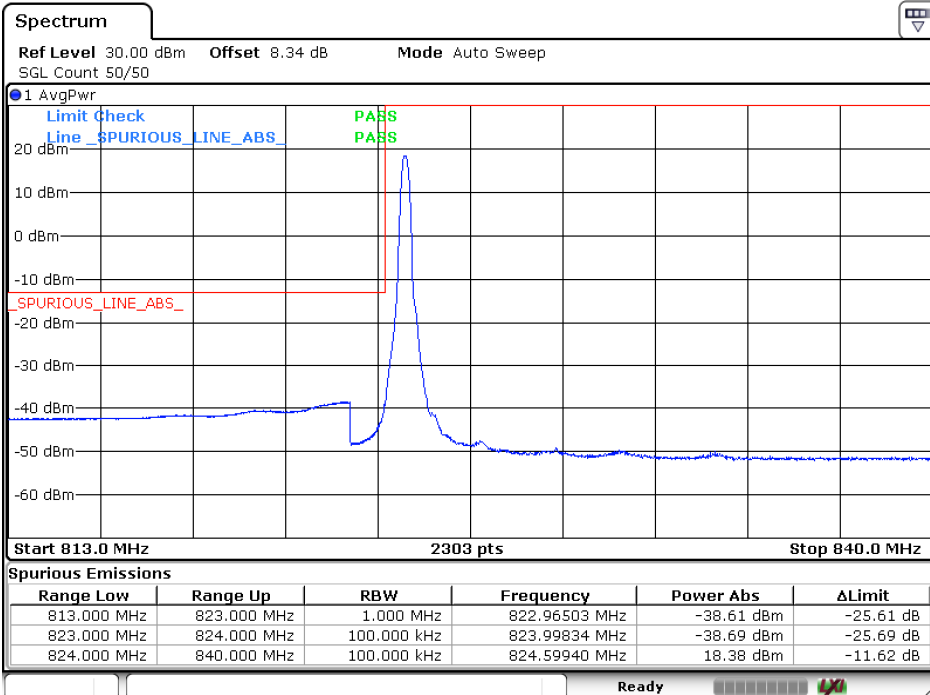


CA 4A-5A 75RB+50RB QPSK 20325+20600 75RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:22:12

CA 4A-5A 75RB+50RB 16QAM 20025+20450 1RB#0+1RB#0 Band5



Date: 24.AUG.2020 11:27:13



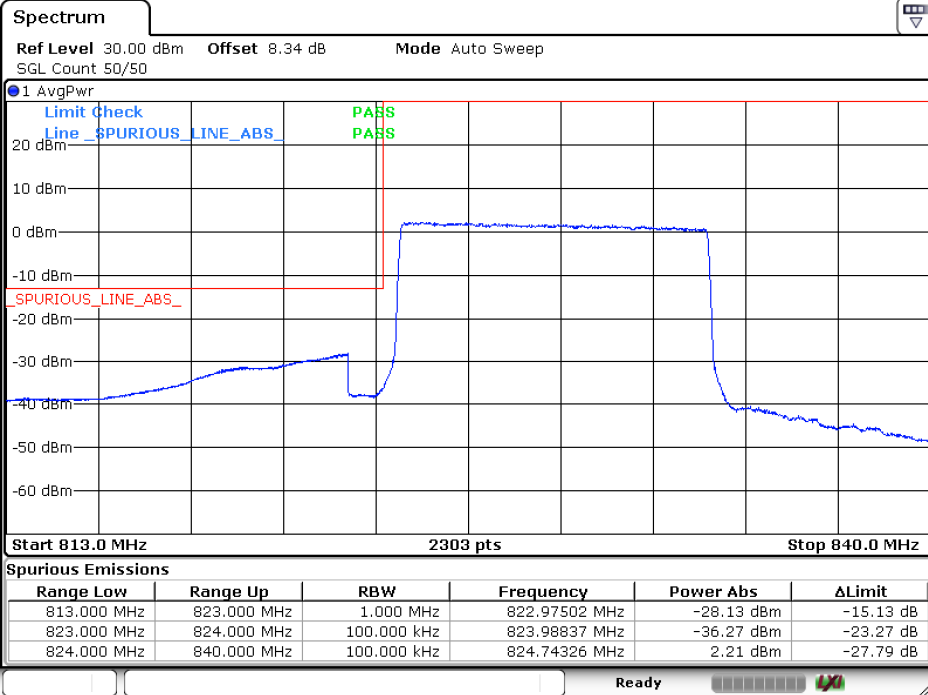
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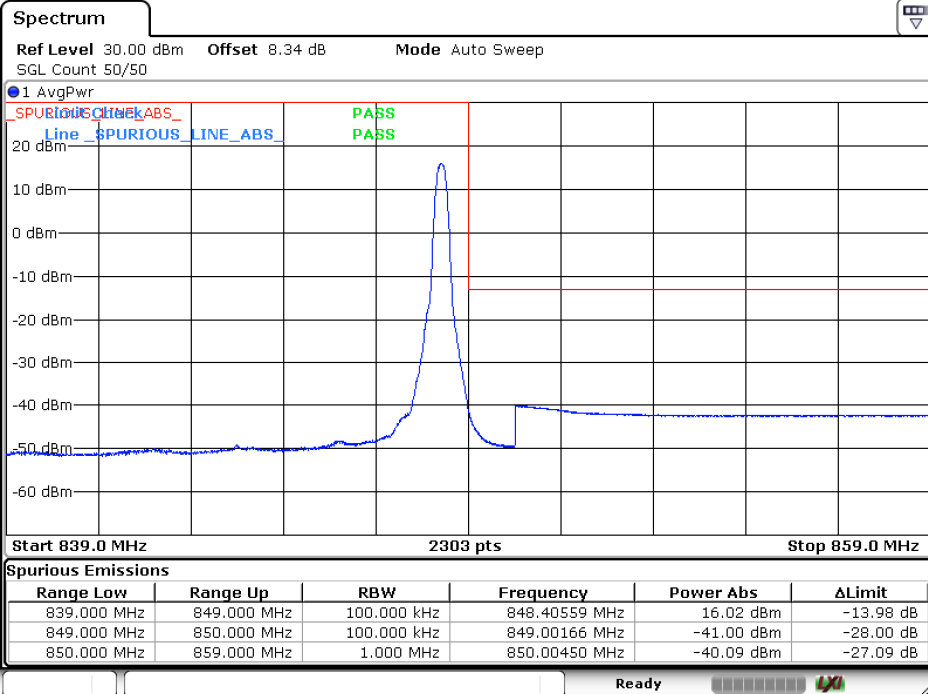
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CA 4A-5A 75RB+50RB 16QAM 20025+20450 75RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:24:39

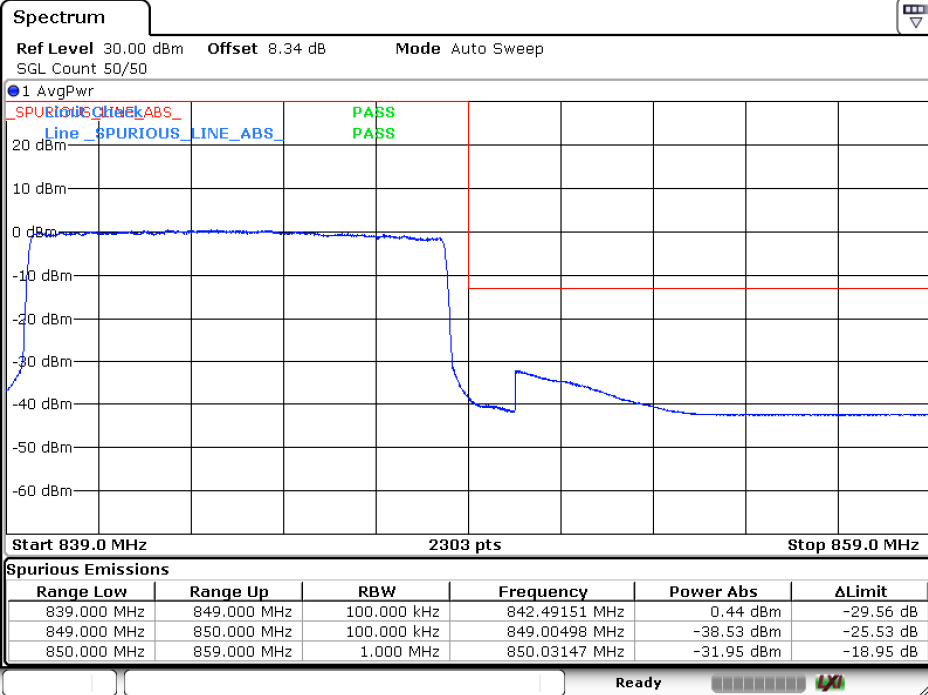
CA 4A-5A 75RB+50RB 16QAM 20325+20600 1RB#74+1RB#49 Band5



Date: 24.AUG.2020 11:19:08

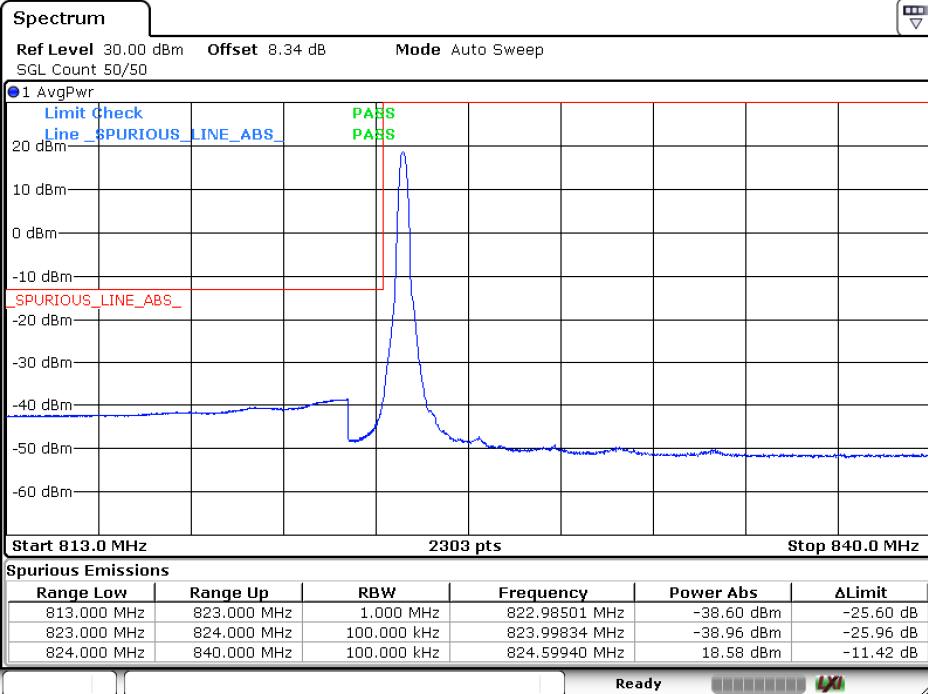


CA 4A-5A 75RB+50RB 16QAM 20325+20600 75RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:22:44

CA 4A-5A 75RB+50RB 64QAM 20025+20450 1RB#0+1RB#0 Band5



Date: 24.AUG.2020 11:35:24



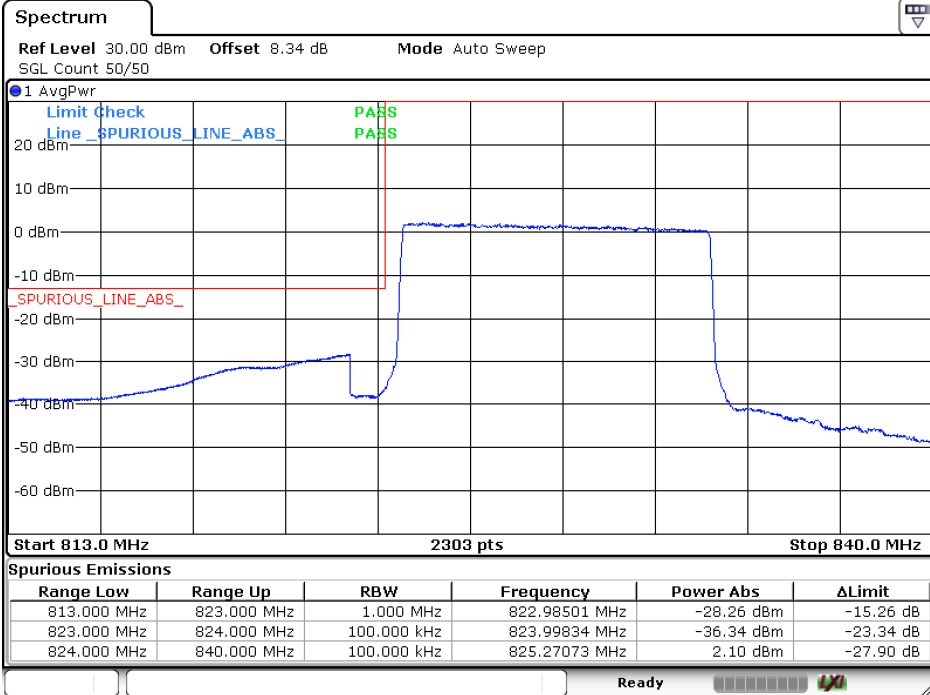
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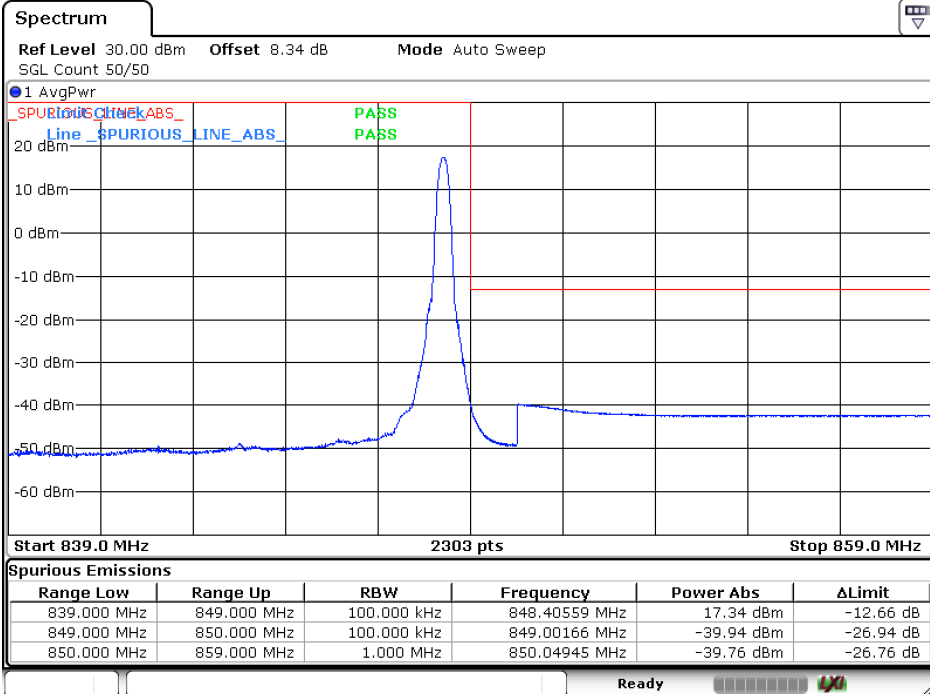
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CA 4A-5A 75RB+50RB 64QAM 20025+20450 75RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:36:03

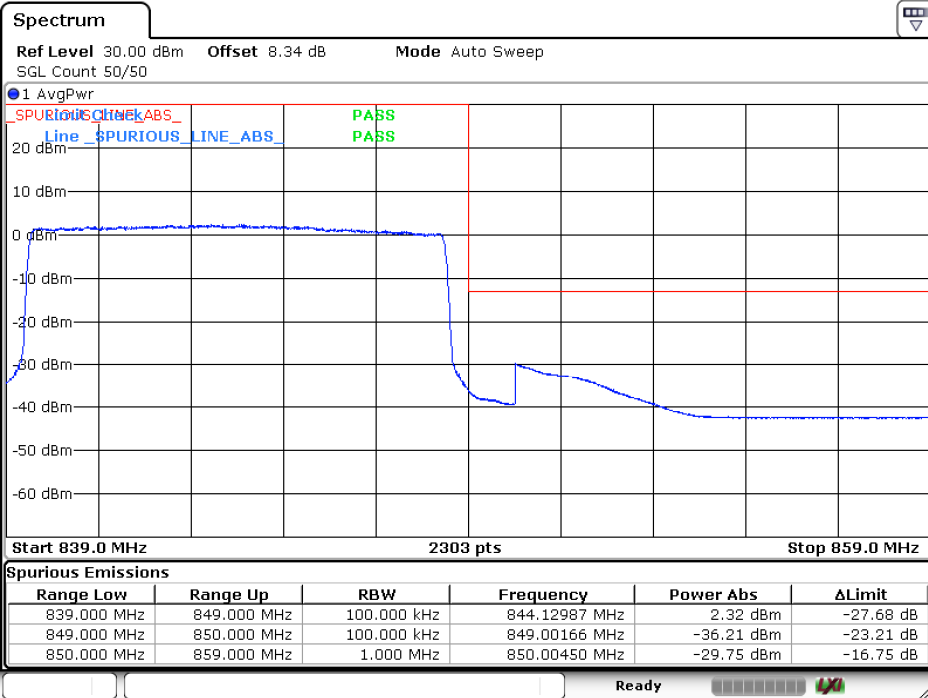
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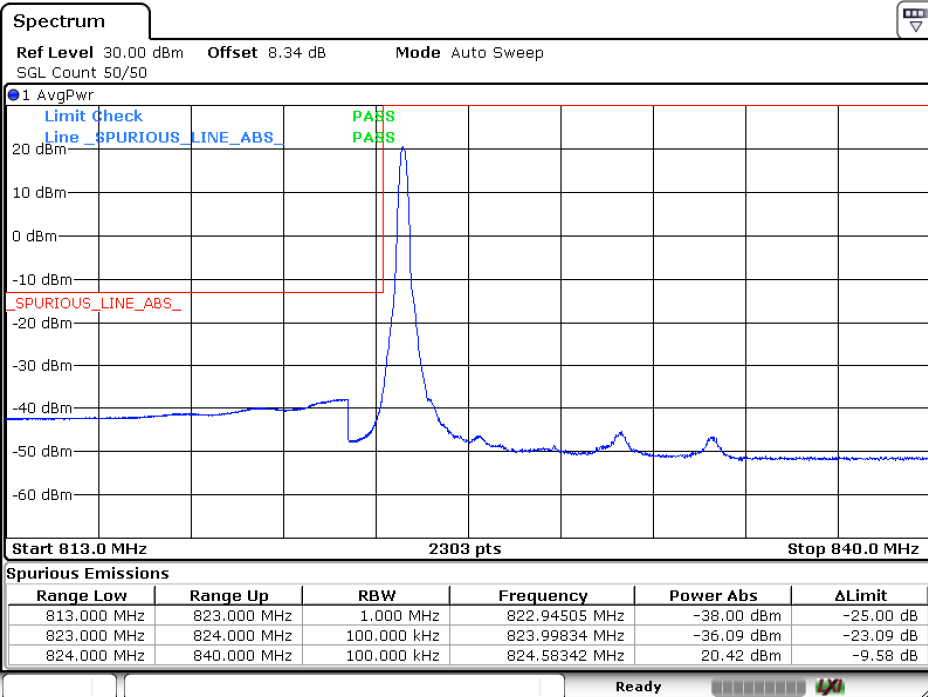


CA 4A-5A 75RB+50RB 64QAM 20325+20600 75RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:40:52

CA 4A-5A 100RB+50RB QPSK 20050+20450 1RB#0+1RB#0 Band5



Date: 24.AUG.2020 10:44:19



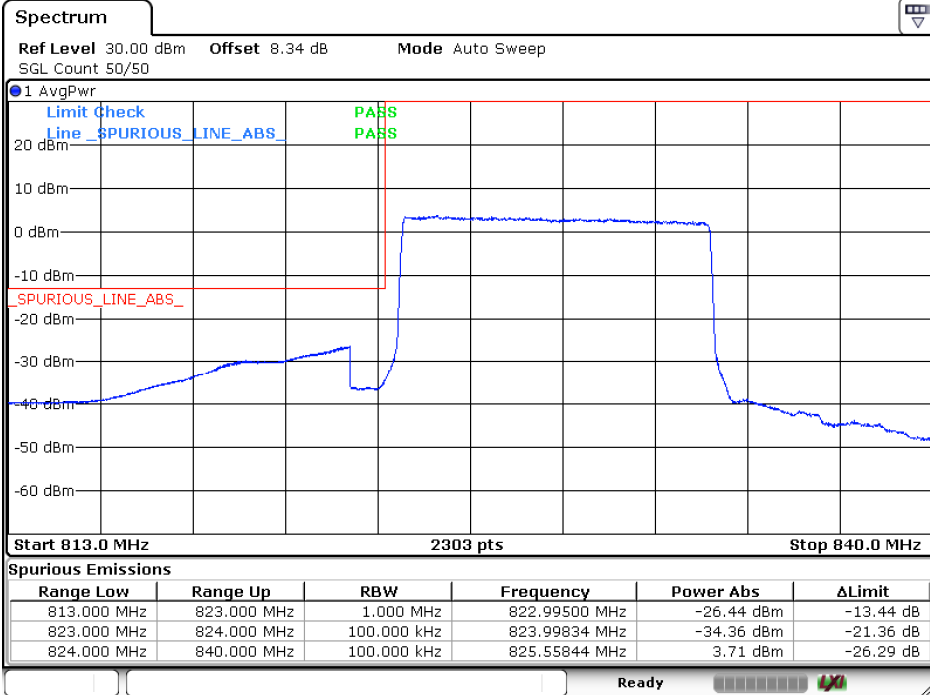
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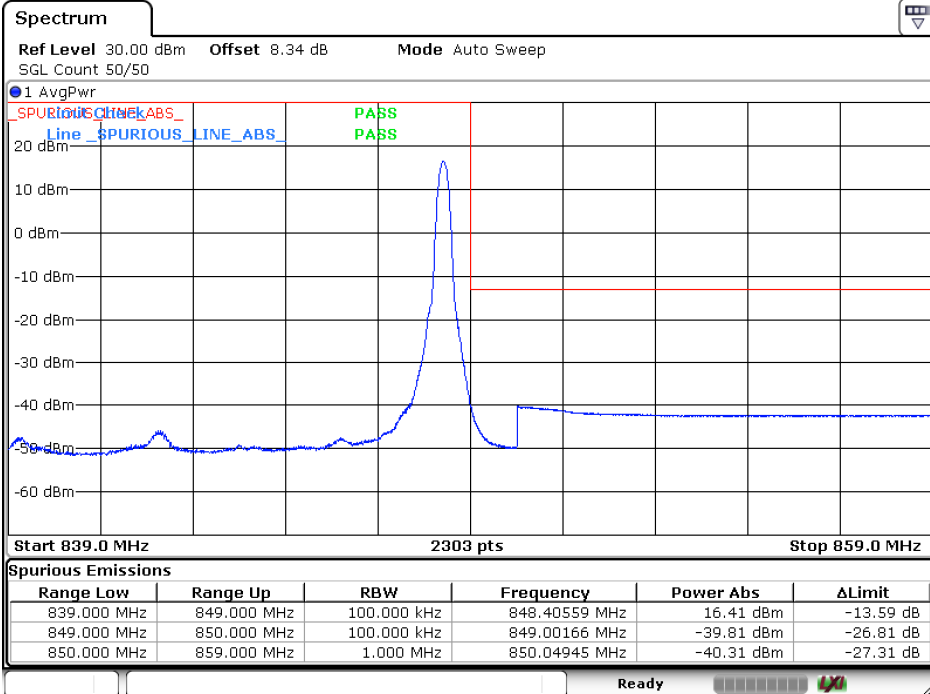
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CA 4A-5A 100RB+50RB QPSK 20050+20450 100RB#0+50RB#0 Band5



Date: 24.AUG.2020 10:44:49

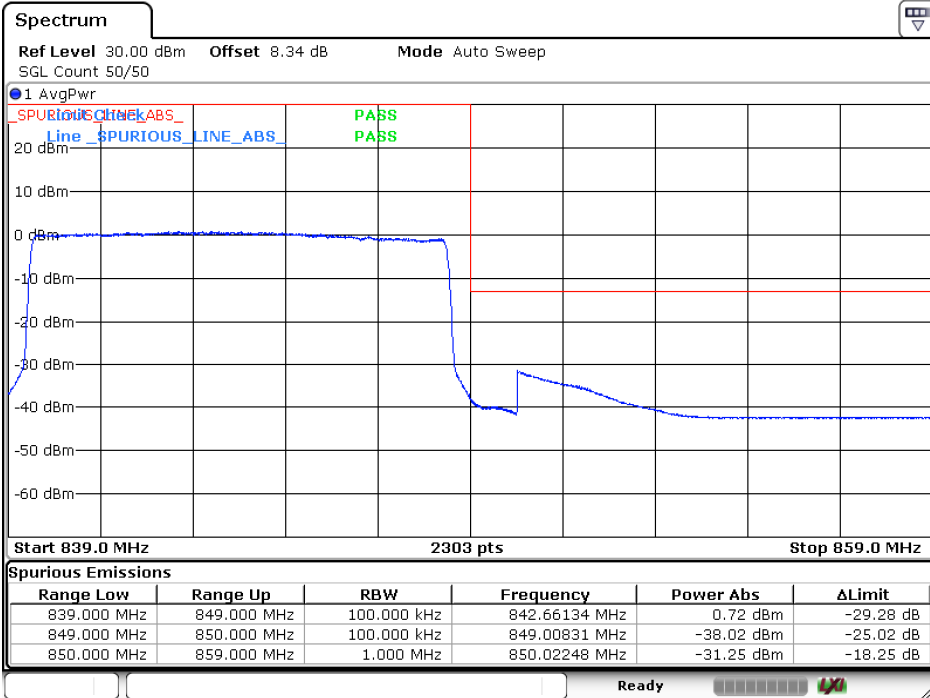
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Date: 24.AUG.2020 10:56:38

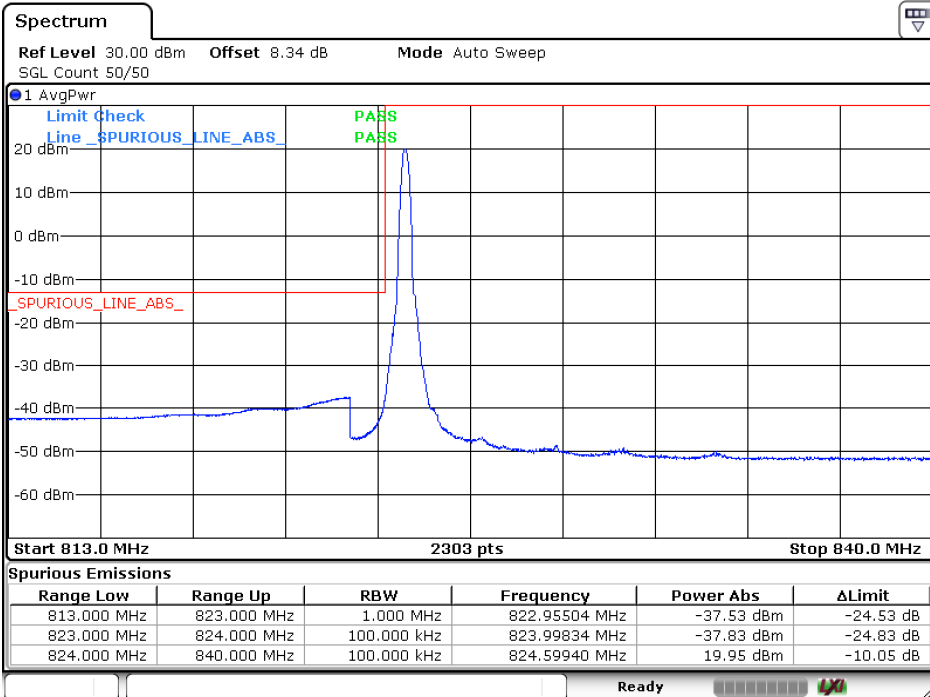


CA 4A-5A 100RB+50RB QPSK 20300+20600 100RB#0+50RB#0 Band5



Date: 24.AUG.2020 10:54:20

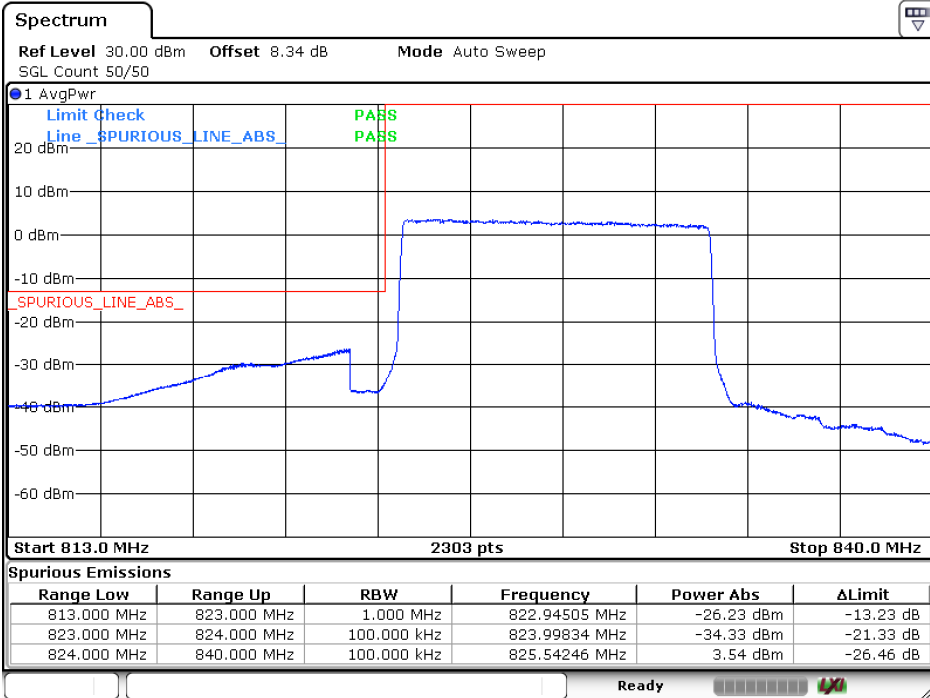
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Date: 24.AUG.2020 10:43:42

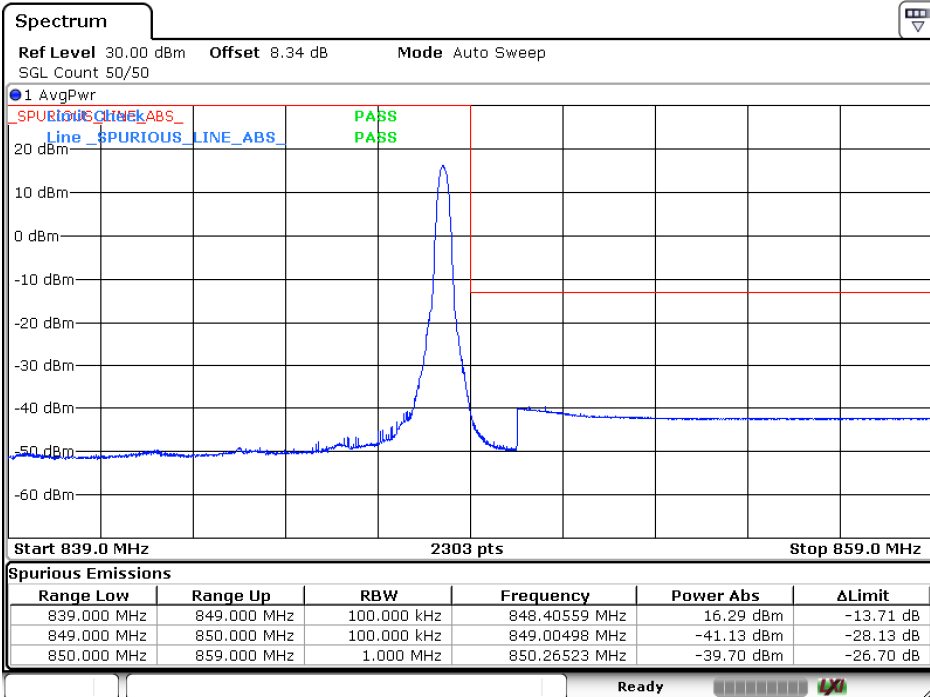


CA 4A-5A 100RB+50RB 16QAM 20050+20450 100RB#0+50RB#0 Band5



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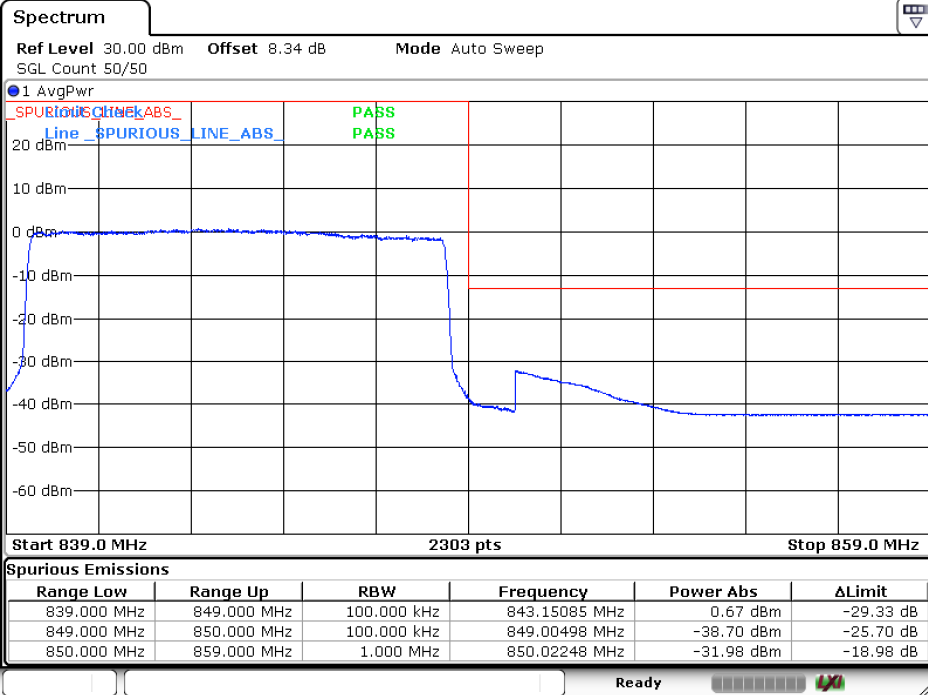
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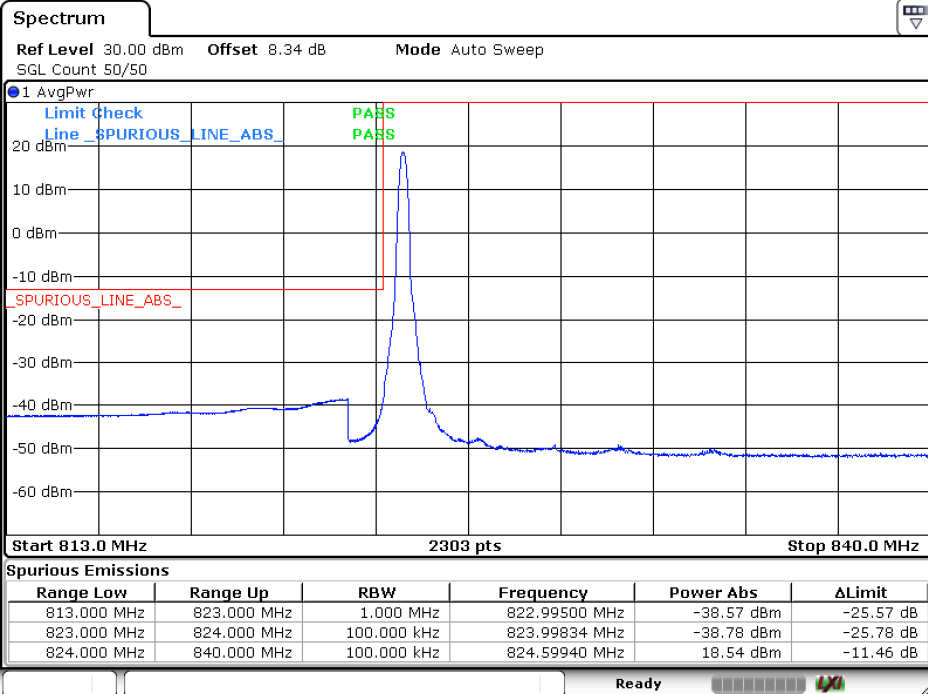


CA 4A-5A 100RB+50RB 16QAM 20300+20600 100RB#0+50RB#0 Band5



Date: 24.AUG.2020 10:54:54

CA 4A-5A 100RB+50RB 64QAM 20050+20450 1RB#0+1RB#0 Band5



Date: 24.AUG.2020 11:37:03



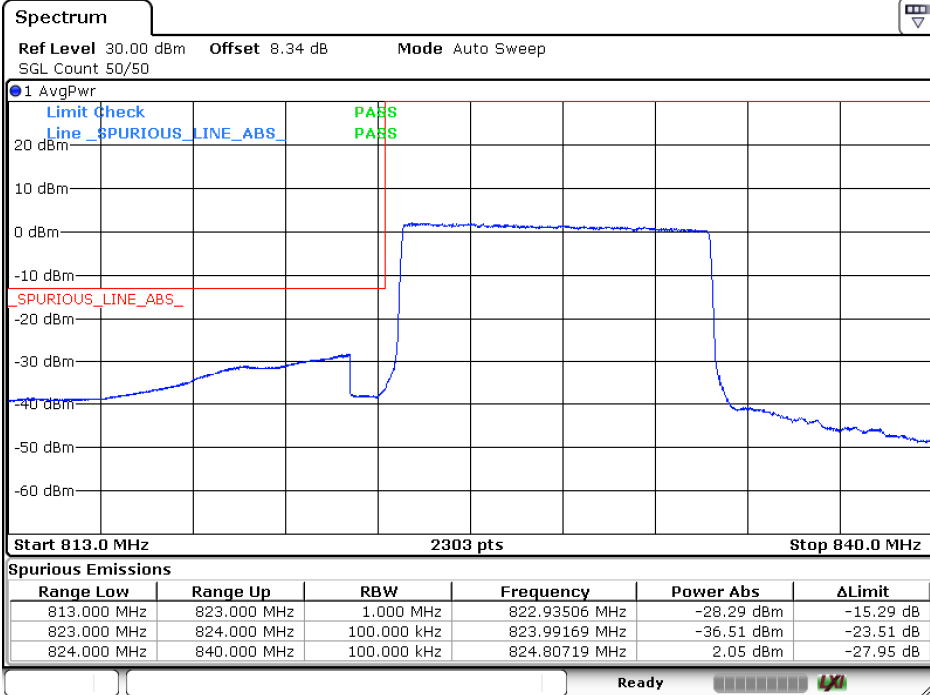
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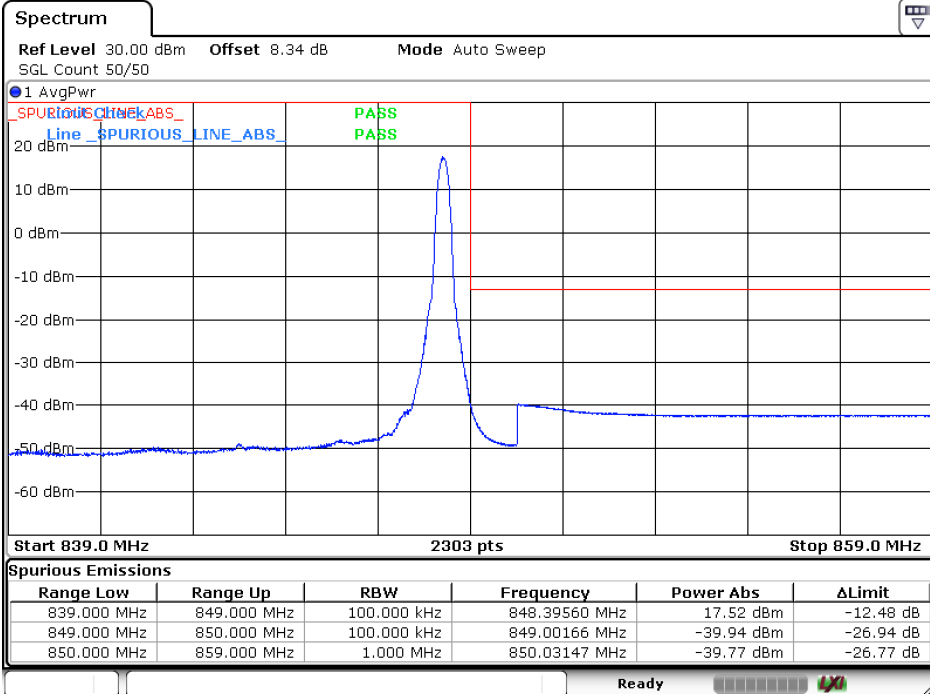
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CA 4A-5A 100RB+50RB 64QAM 20050+20450 100RB#0+50RB#0 Band5



Date: 24.AUG.2020 11:36:36

CA 4A-5A 100RB+50RB 64QAM 20300+20600 1RB#99+1RB#49 Band5



Date: 24.AUG.2020 11:42:49



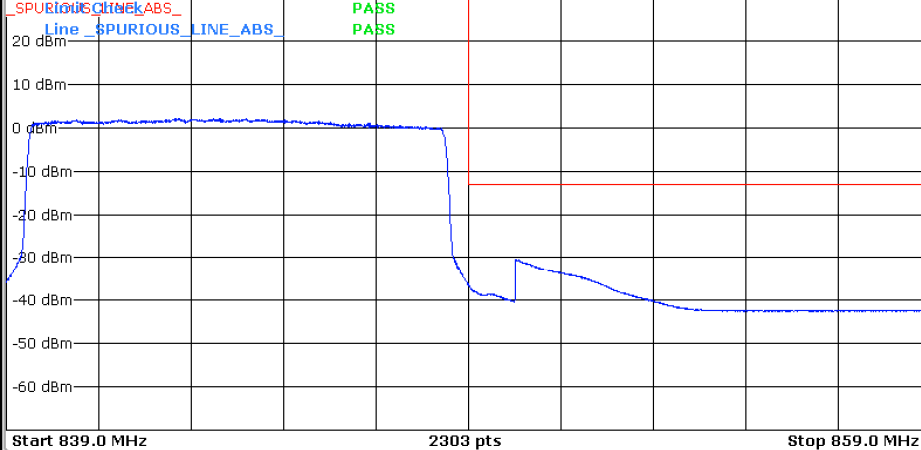


CA 4A-5A 100RB+50RB 64QAM 20300+20600 100RB#0+50RB#0 Band5

Spectrum

Ref Level 30.00 dBm Offset 8.34 dB Mode Auto Sweep
SGL Count 50/50

1 AvgPwr



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	842.67133 MHz	2.08 dBm	-27.92 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00166 MHz	-36.58 dBm	-23.58 dB
850.000 MHz	859.000 MHz	1.000 MHz	850.03147 MHz	-30.35 dBm	-17.35 dB

Start 839.0 MHz 2303 pts Stop 859.0 MHz

Ready

Date: 24.AUG.2020 11:42:06



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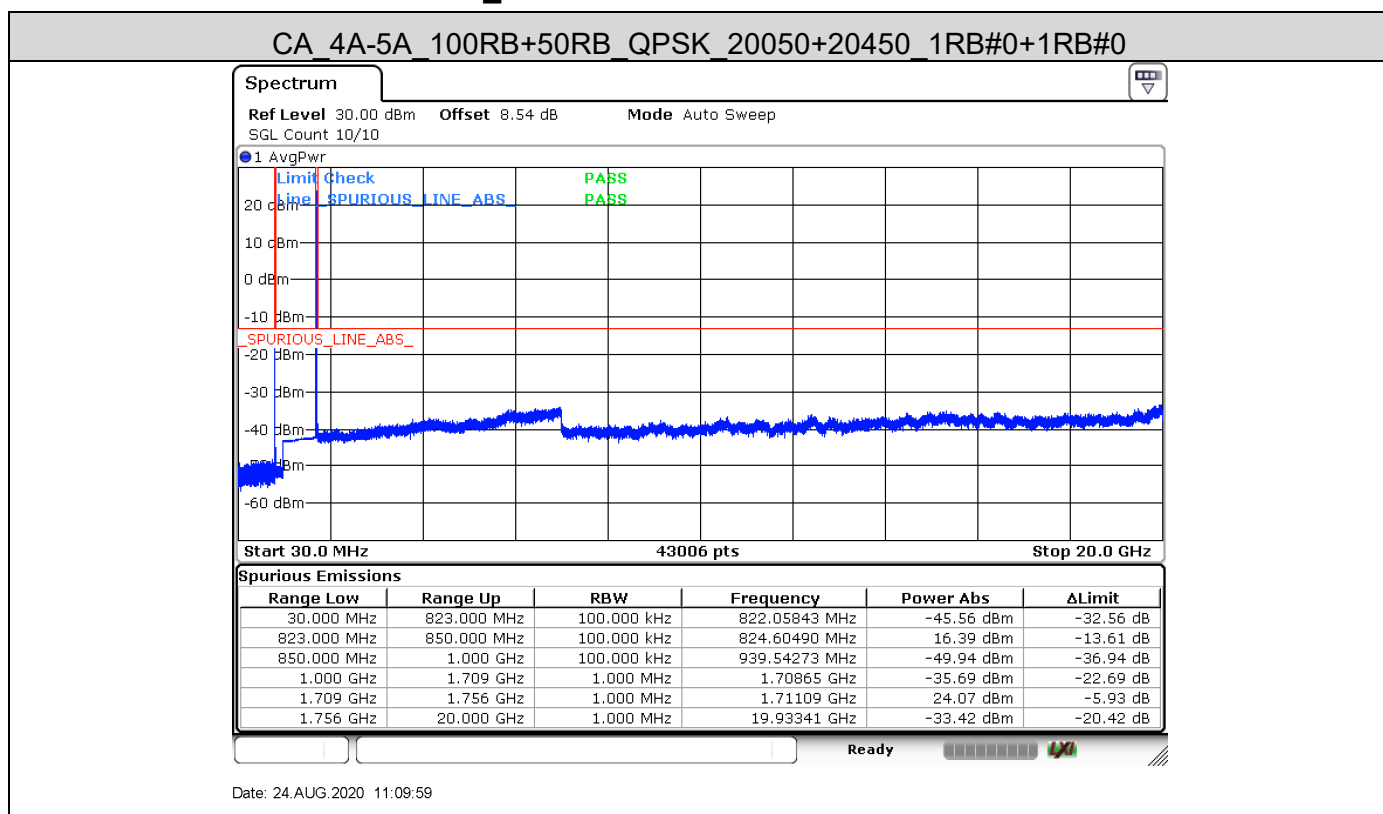
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3 Spurious Emission at Antenna Terminal

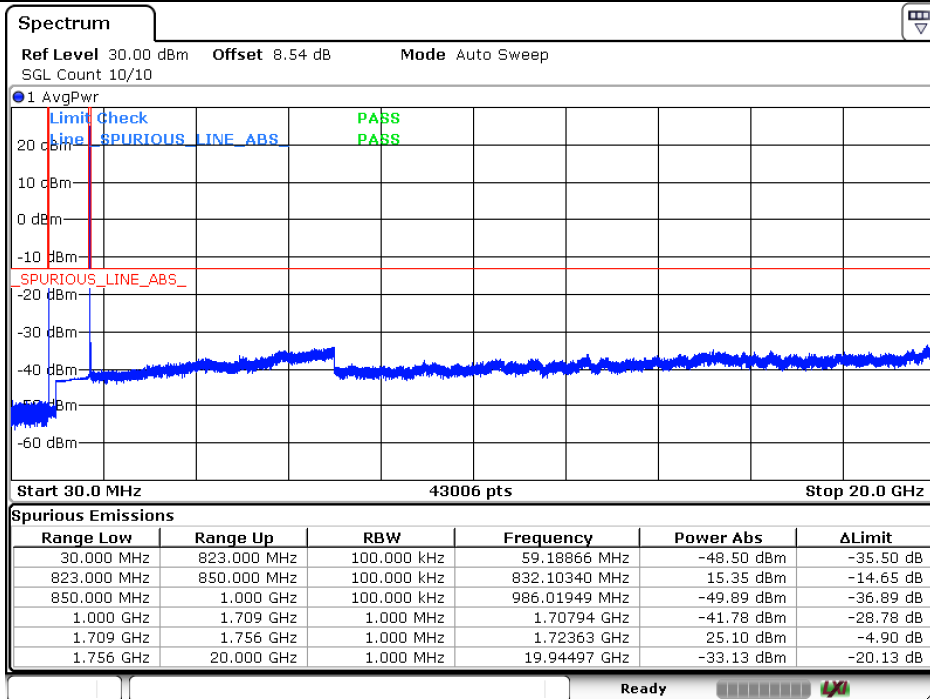
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k \cdot (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

3.1.1 Test Band = LTE Band CA_4A-5A



CA 4A-5A 100RB+50RB_QPSK 20175+20525_1RB#0+1RB#0



Date: 24.AUG.2020 11:12:52

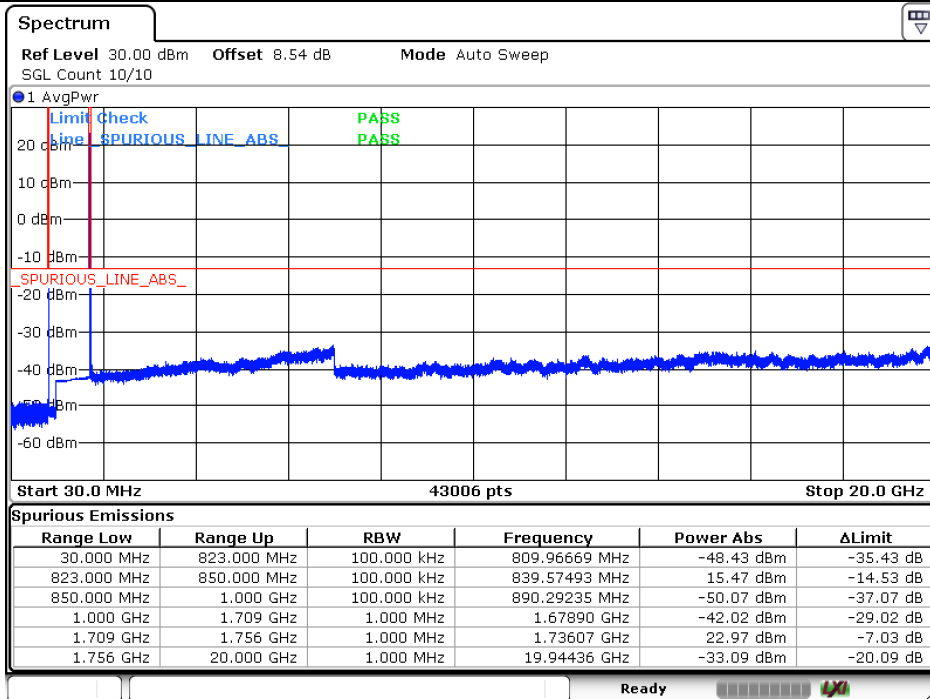
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CA 4A-5A 100RB+50RB_QPSK 20300+20600_1RB#0+1RB#0



Date: 24.AUG.2020 11:13:58

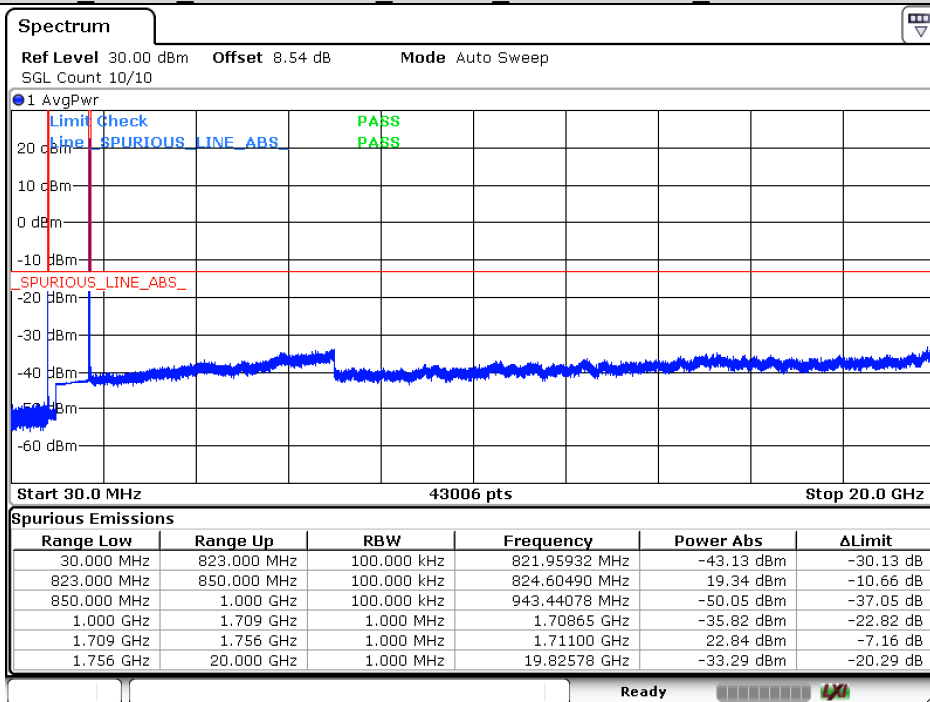
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CA 4A-5A 100RB+50RB 16QAM 20050+20450 1RB#0+1RB#0



Date: 24.AUG.2020 11:10:54



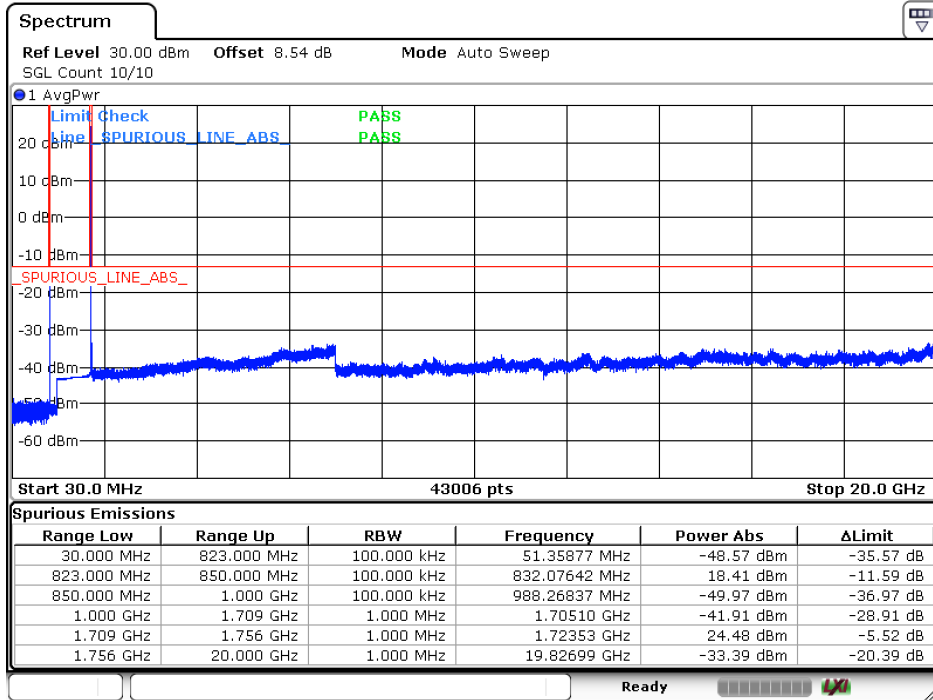
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CA 4A-5A 100RB+50RB 16QAM 20175+20525 1RB#0+1RB#0



Date: 24.AUG.2020 11:12:21



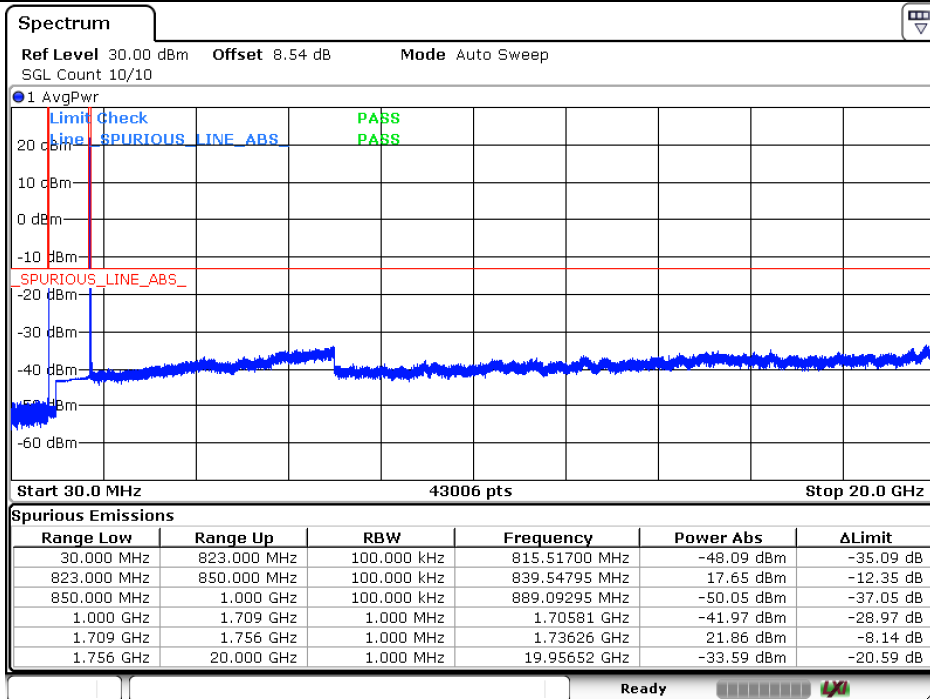
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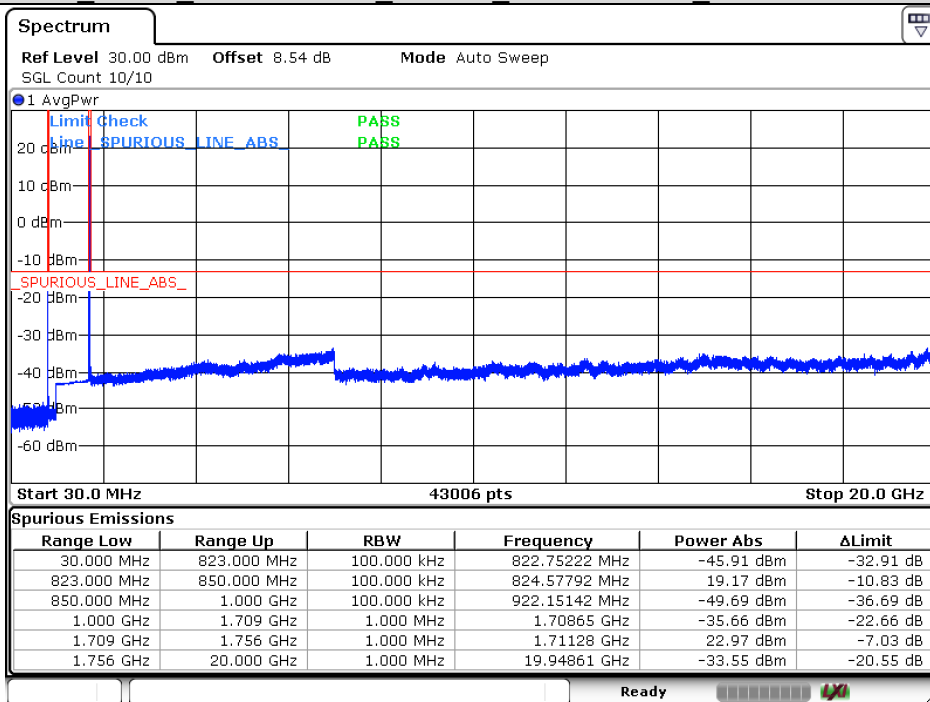
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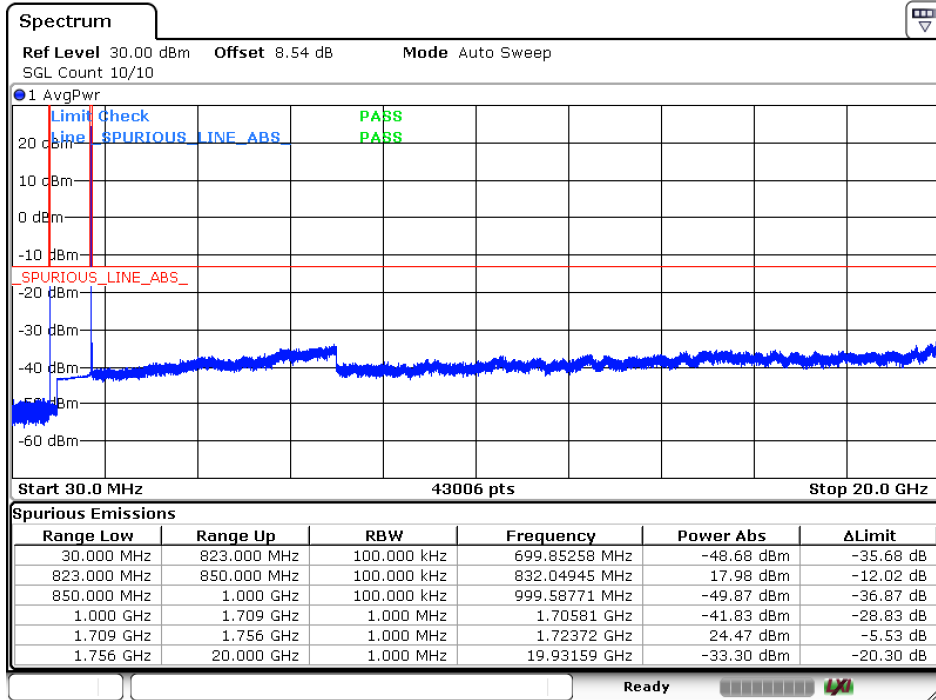
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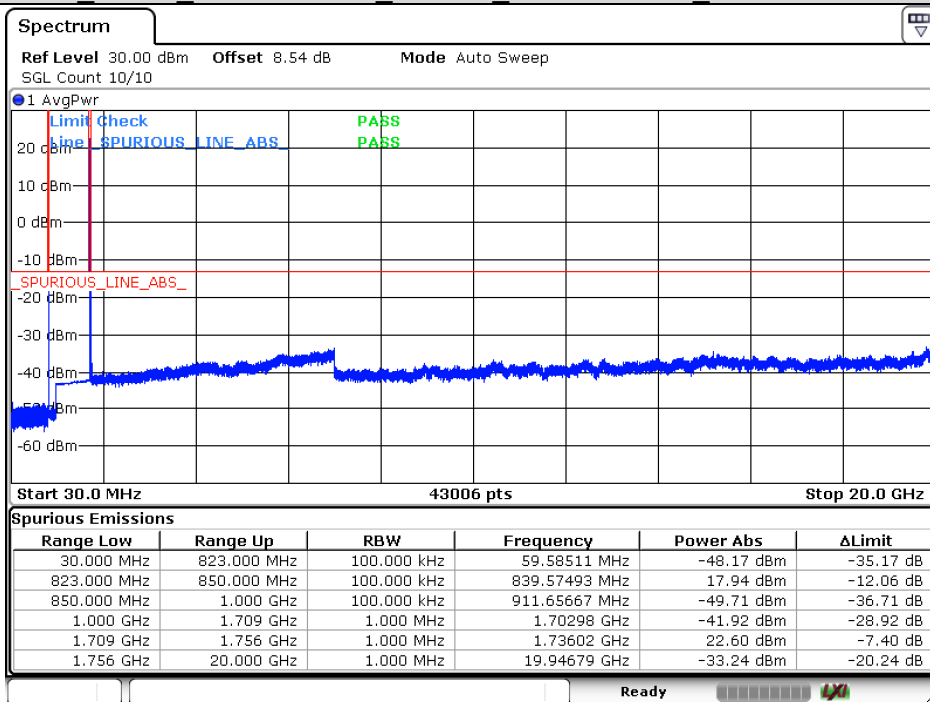
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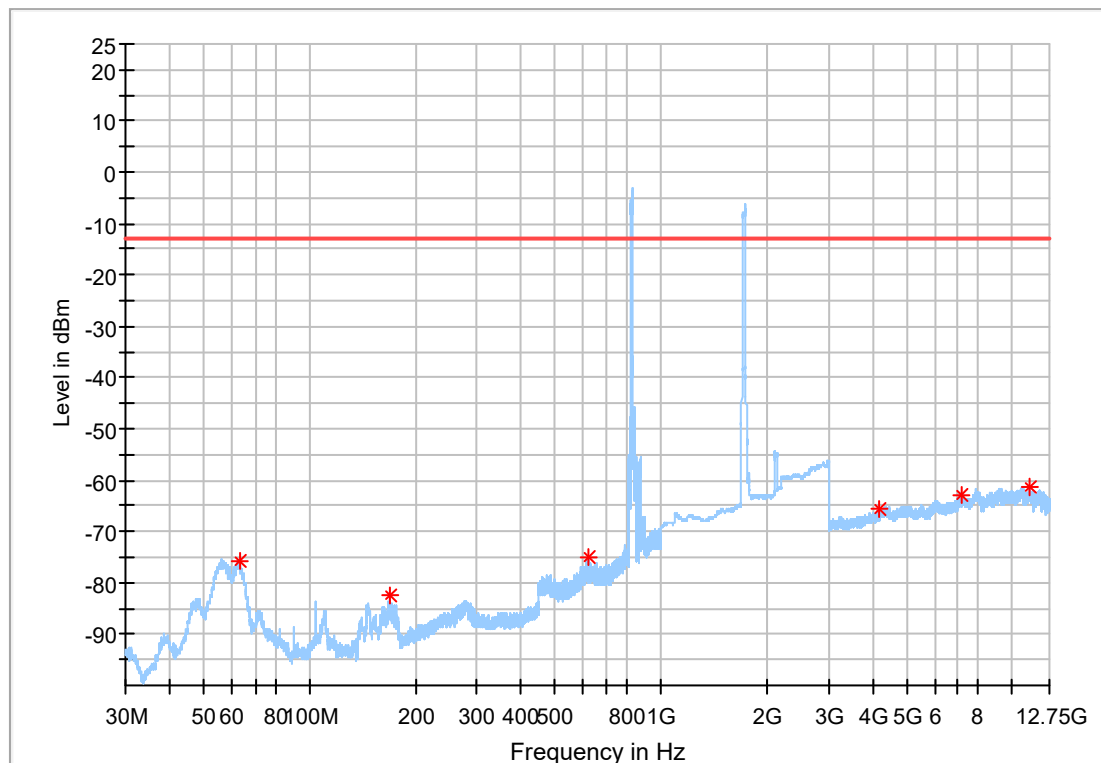


4. Field Strength of Spurious Radiation

4.1. Test Mode =LTE/TM1 20&10 MHz_Ant Down

4.1.1. Test Channel = LCH_Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.100000	-75.78	-13.00	62.78	---	---	200.0	H	22.0	-95.8
169.550000	-82.40	-13.00	69.40	---	---	200.0	H	22.0	-107.3
618.850000	-75.13	-13.00	62.13	---	---	200.0	H	145.0	-97.9
4197.625000	-65.63	-13.00	52.63	---	---	200.0	H	142.0	-103.2
7146.025000	-62.93	-13.00	49.93	---	---	200.0	H	350.0	-99.4
11202.350000	-61.46	-13.00	48.46	---	---	200.0	H	63.0	-96.6

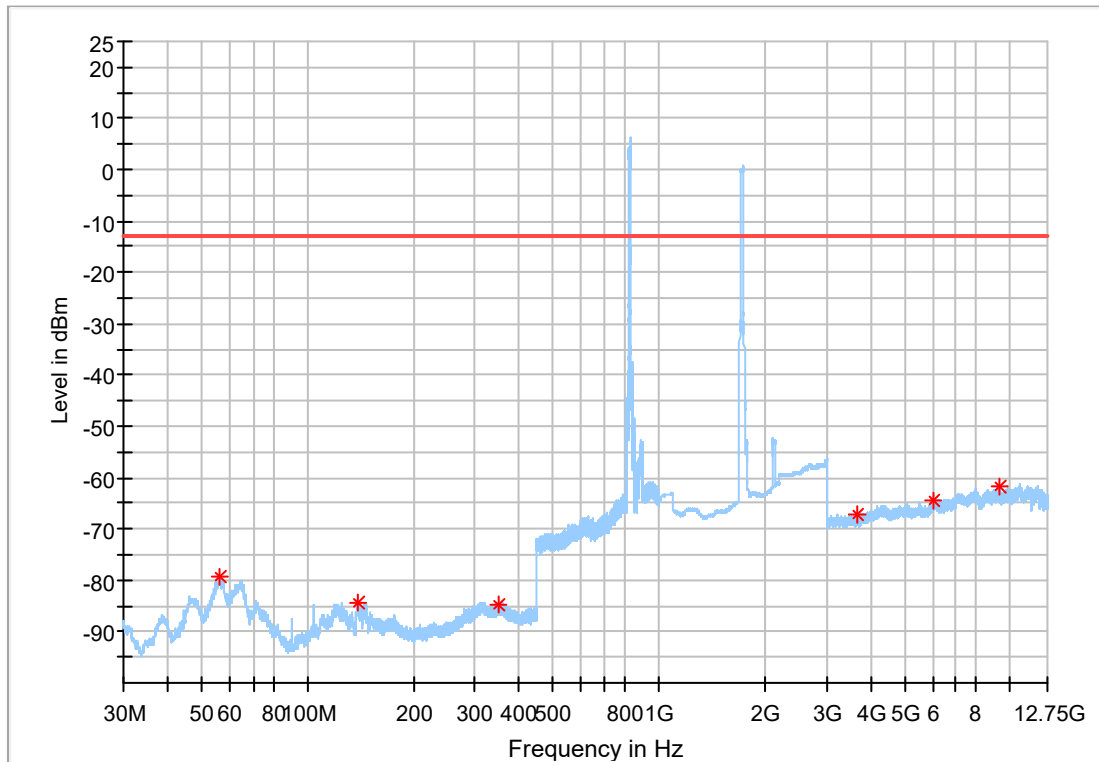


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4.1.2. Test Channel = LCH_Vertical

Full Spectrum



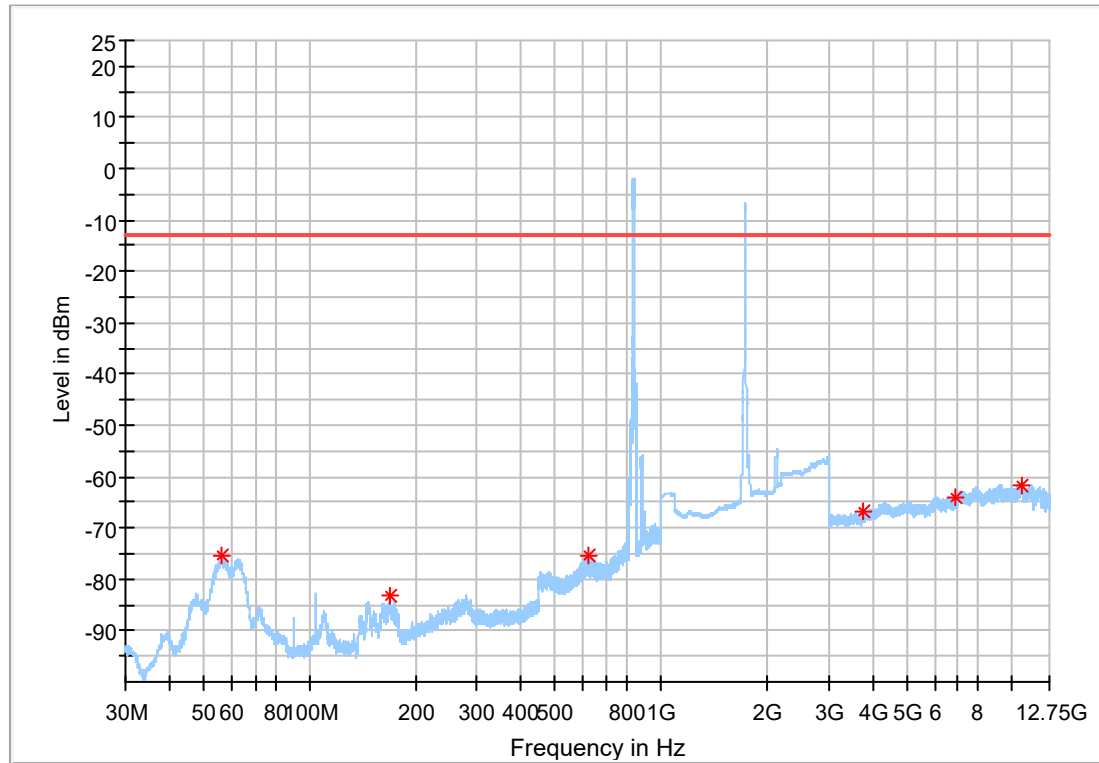
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.600000	-79.11	-13.00	66.11	---	---	200.0	V	159.0	-101.2
139.900000	-84.21	-13.00	71.21	---	---	200.0	V	159.0	-109.1
347.850000	-84.63	-13.00	71.63	---	---	200.0	V	168.0	-101.6
3651.300000	-67.24	-13.00	54.24	---	---	200.0	V	140.0	-104.7
6041.350000	-64.27	-13.00	51.27	---	---	200.0	V	318.0	-100.1
9268.275000	-61.90	-13.00	48.90	---	---	200.0	V	180.0	-97.3



4.1.3. Test Channel = MCH_Horizontal

Full Spectrum



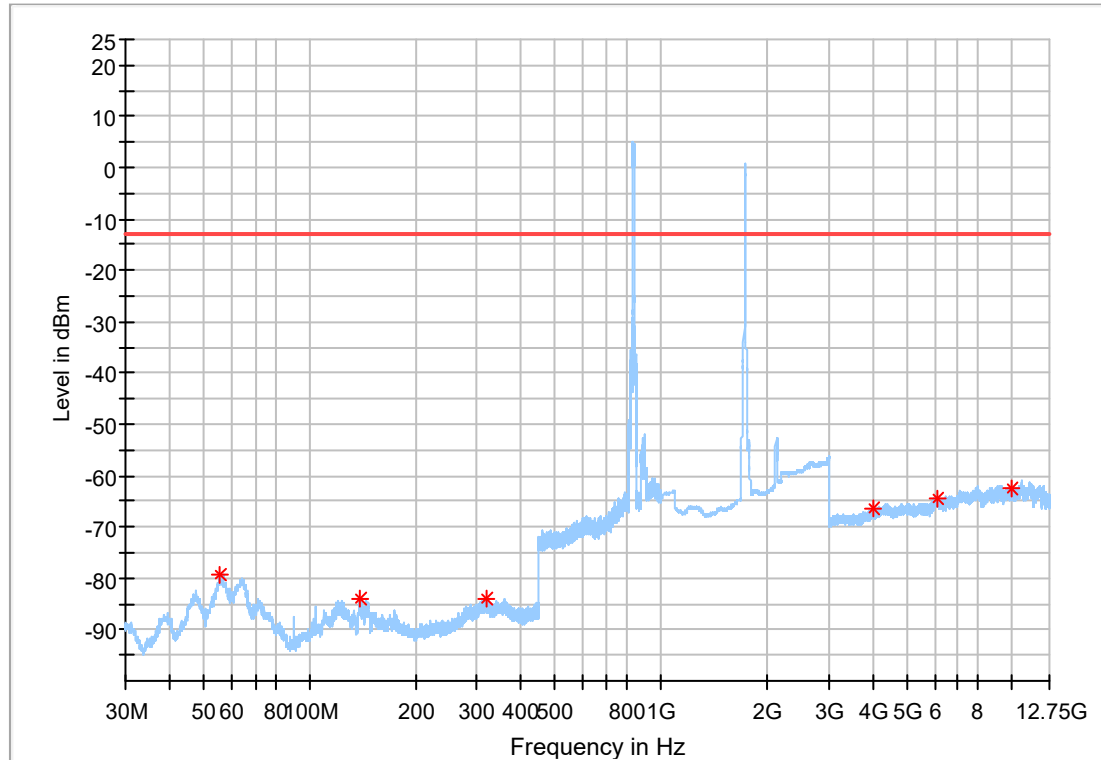
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.350000	-75.32	-13.00	62.32	---	---	200.0	H	1.0	-96.8
169.100000	-83.01	-13.00	70.01	---	---	200.0	H	329.0	-107.3
620.316667	-75.31	-13.00	62.31	---	---	200.0	H	130.0	-97.9
3780.000000	-66.91	-13.00	53.91	---	---	200.0	H	132.0	-104.4
6860.025000	-64.23	-13.00	51.23	---	---	200.0	H	97.0	-99.5
10617.025000	-61.63	-13.00	48.63	---	---	200.0	H	30.0	-96.6



4.1.4. Test Channel = MCH_Vertical

Full Spectrum



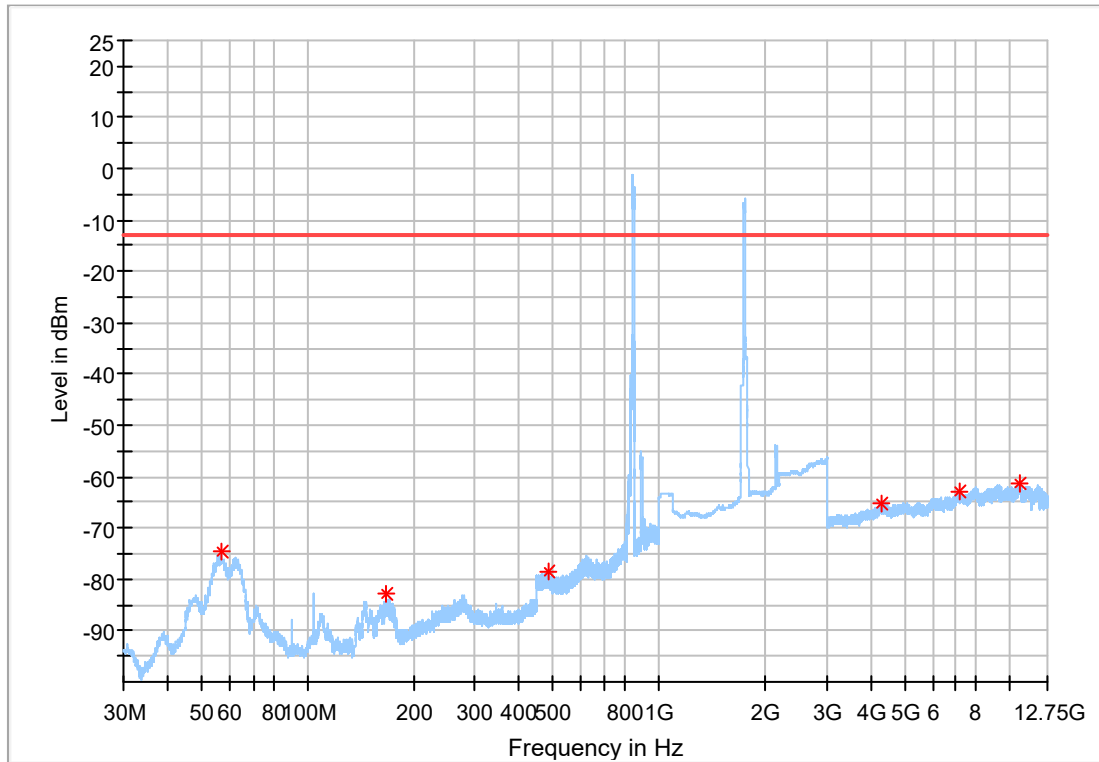
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.900000	-79.37	-13.00	66.37	---	---	200.0	V	149.0	-101.6
139.450000	-84.12	-13.00	71.12	---	---	200.0	V	158.0	-109.0
318.750000	-84.17	-13.00	71.17	---	---	200.0	V	0.0	-102.0
3999.050000	-66.52	-13.00	53.52	---	---	200.0	V	284.0	-103.5
6145.350000	-64.29	-13.00	51.29	---	---	200.0	V	0.0	-100.2
9908.850000	-62.50	-13.00	49.50	---	---	200.0	V	118.0	-97.5



4.1.5. Test Channel = HCH_Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.750000	-74.70	-13.00	61.70	---	---	200.0	H	0.0	-96.6
168.200000	-82.89	-13.00	69.89	---	---	200.0	H	314.0	-107.3
482.129167	-78.55	-13.00	65.55	---	---	200.0	H	0.0	-100.6
4290.900000	-65.41	-13.00	52.41	---	---	200.0	H	40.0	-102.7
7161.950000	-63.00	-13.00	50.00	---	---	200.0	H	108.0	-99.5
10626.125000	-61.34	-13.00	48.34	---	---	200.0	H	179.0	-96.5



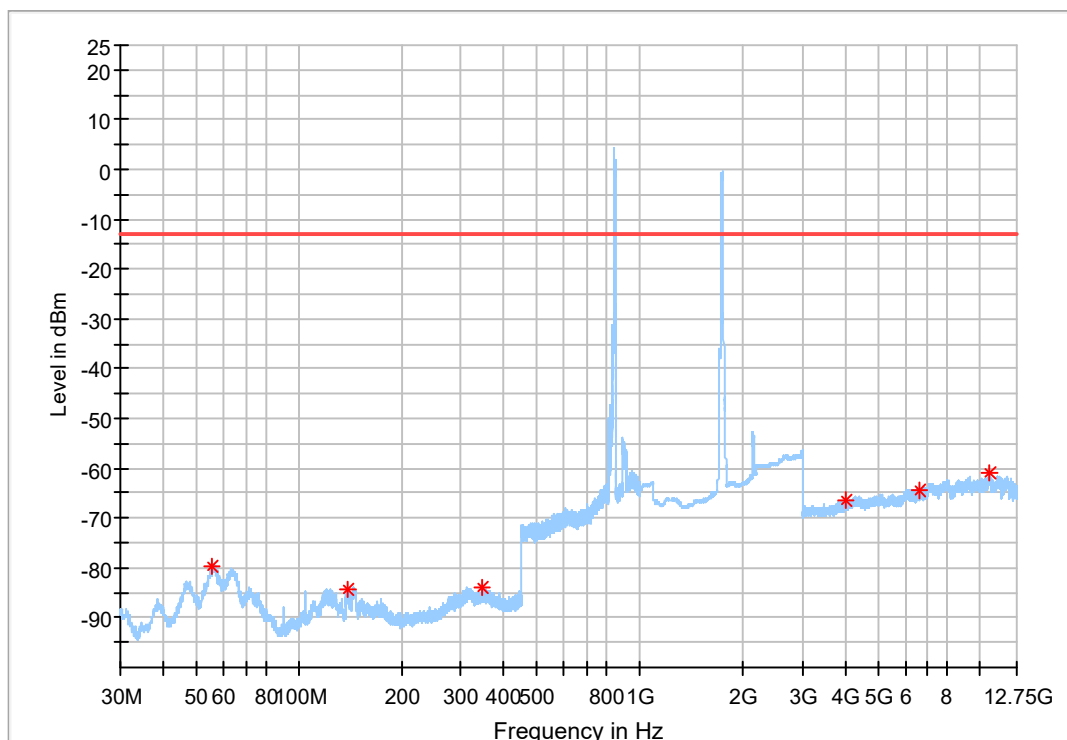
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.1.6. Test Channel = HCH_Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.600000	-79.72	-13.00	66.72	---	---	200.0	V	176.0	-101.8
139.300000	-84.26	-13.00	71.26	---	---	200.0	V	176.0	-109.0
343.450000	-84.14	-13.00	71.14	---	---	200.0	V	258.0	-101.7
4018.225000	-66.49	-13.00	53.49	---	---	200.0	V	0.0	-103.5
6574.675000	-64.28	-13.00	51.28	---	---	200.0	V	154.0	-99.2
10639.775000	-61.11	-13.00	48.11	---	---	200.0	V	40.0	-96.4

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 All modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

The End

