



Appendix B

E-UTRA Band CA_2A-12A



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1 Effective (Isotropic) Radiated Power Output Data

1.1. Max Power Test Result for LTE Band CA_2A-12A

PCC

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted	EIRP (dBm)	Limit (dBm)	Verdict
Band2	15MHz	QPSK	18675	1RB#0	22.35	26.35	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.22	26.22	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.38	26.38	33	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.23	25.23	33	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.46	25.46	33	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.20	25.2	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.46	25.46	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.23	26.23	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.30	26.3	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.37	26.37	33	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.34	25.34	33	PASS
Band2	15MHz	QPSK	18900	36RB#39	21.40	25.4	33	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.37	25.37	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.28	25.28	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.05	26.05	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.86	25.86	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.03	26.03	33	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.32	25.32	33	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.08	25.08	33	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.29	25.29	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.35	25.35	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.88	25.88	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.82	25.82	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.86	25.86	33	PASS
Band2	15MHz	64QAM	18675	36RB#0	20.64	24.64	33	PASS
Band2	15MHz	64QAM	18675	36RB#18	20.52	24.52	33	PASS
Band2	15MHz	64QAM	18675	36RB#39	20.78	24.78	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.84	24.84	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.90	25.9	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.61	25.61	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.90	25.9	33	PASS
Band2	15MHz	64QAM	18900	36RB#0	20.75	24.75	33	PASS



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Band2	15MHz	64QAM	18900	36RB#18	20.70	24.7	33	PASS
Band2	15MHz	64QAM	18900	36RB#39	20.69	24.69	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.73	24.73	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.85	25.85	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.64	25.64	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.81	25.81	33	PASS
Band2	15MHz	64QAM	19125	36RB#0	20.49	24.49	33	PASS
Band2	15MHz	64QAM	19125	36RB#18	20.68	24.68	33	PASS
Band2	15MHz	64QAM	19125	36RB#39	20.74	24.74	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.75	24.75	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.44	25.44	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.45	25.45	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.65	25.65	33	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.24	24.24	33	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.47	24.47	33	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.32	24.32	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.45	24.45	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.59	25.59	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.64	25.64	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.64	25.64	33	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.11	24.11	33	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.44	24.44	33	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.46	24.46	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.39	24.39	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.36	25.36	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.65	25.65	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.71	25.71	33	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.21	24.21	33	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.03	24.03	33	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.18	24.18	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.15	24.15	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.99	25.99	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.37	26.37	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.24	26.24	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.21	25.21	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.40	25.4	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.52	25.52	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.42	25.42	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.32	26.32	33	PASS





Band2	20MHz	QPSK	18900	1RB#49	21.99	25.99	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.17	26.17	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.19	25.19	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.10	25.1	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.42	25.42	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.18	25.18	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.23	26.23	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.80	25.8	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.13	26.13	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.26	25.26	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.16	25.16	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.06	25.06	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.19	25.19	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.84	25.84	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.76	25.76	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.64	25.64	33	PASS
Band2	20MHz	64QAM	18700	50RB#0	20.84	24.84	33	PASS
Band2	20MHz	64QAM	18700	50RB#25	20.84	24.84	33	PASS
Band2	20MHz	64QAM	18700	50RB#50	20.85	24.85	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.83	24.83	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.82	25.82	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.75	25.75	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.71	25.71	33	PASS
Band2	20MHz	64QAM	18900	50RB#25	20.67	24.67	33	PASS
Band2	20MHz	64QAM	18900	50RB#50	20.92	24.92	33	PASS
Band2	20MHz	64QAM	18900	50RB#0	20.75	24.75	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.79	24.79	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.57	25.57	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.62	25.62	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.48	25.48	33	PASS
Band2	20MHz	64QAM	19100	50RB#50	20.91	24.91	33	PASS
Band2	20MHz	64QAM	19100	50RB#0	20.65	24.65	33	PASS
Band2	20MHz	64QAM	19100	50RB#25	20.73	24.73	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.66	24.66	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.45	25.45	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.42	25.42	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.26	25.26	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.37	24.37	33	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.40	24.4	33	PASS





Band2	20MHz	16QAM	18700	50RB#50	20.45	24.45	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.40	24.4	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.23	25.23	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.36	25.36	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.37	25.37	33	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.16	24.16	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.23	24.23	33	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.57	24.57	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.39	24.39	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.55	25.55	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.51	25.51	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.14	25.14	33	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.39	24.39	33	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.28	24.28	33	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.23	24.23	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.08	24.08	33	PASS





SCC

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted	EIRP (dBm)	Limit (dBm)	Verdict
Band12	5MHz	QPSK	23035	1RB#24	22.45	25.45	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.56	25.56	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.59	25.59	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.76	24.76	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.65	24.65	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.66	24.66	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.50	24.5	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.39	25.39	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.57	25.57	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.53	25.53	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.63	24.63	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.75	24.75	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.65	24.65	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.81	24.81	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.56	25.56	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.40	25.4	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.64	25.64	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.51	24.51	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.59	24.59	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.39	24.39	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.50	24.5	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.15	25.15	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.04	25.04	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.05	25.05	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	21.04	24.04	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	21.22	24.22	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	21.04	24.04	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.10	24.1	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.22	25.22	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.87	24.87	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.04	25.04	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.91	23.91	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.86	23.86	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	21.10	24.1	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.10	24.1	34.77	PASS



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Band12	5MHz	64QAM	23155	1RB#0	22.05	25.05	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.09	25.09	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.11	25.11	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.87	23.87	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.69	23.69	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.96	23.96	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.10	24.1	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.58	24.58	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.71	24.71	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.63	24.63	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.55	23.55	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.74	23.74	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.69	23.69	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.72	23.72	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.04	25.04	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.92	24.92	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.82	24.82	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.51	23.51	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.97	23.97	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.52	23.52	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.70	23.7	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.55	24.55	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.00	25	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.65	24.65	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.49	23.49	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.52	23.52	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.81	23.81	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.60	23.6	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.37	25.37	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.27	25.27	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.38	25.38	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.74	24.74	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.73	24.73	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.70	24.7	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.50	24.5	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.43	25.43	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.73	25.73	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.28	25.28	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.81	24.81	34.77	PASS





Band12	10MHz	QPSK	23095	25RB#12	21.56	24.56	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.49	24.49	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.51	24.51	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.58	25.58	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.51	25.51	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.27	25.27	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.53	24.53	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.82	24.82	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.66	24.66	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.68	24.68	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.23	25.23	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.04	25.04	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.18	25.18	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	21.08	24.08	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	21.12	24.12	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.97	23.97	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.92	23.92	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.06	25.06	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.66	24.66	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.81	24.81	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	21.07	24.07	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.85	23.85	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	21.10	24.1	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.91	23.91	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.78	24.78	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.09	25.09	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.77	24.77	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	21.12	24.12	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.85	23.85	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	21.15	24.15	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.14	24.14	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.63	24.63	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.77	24.77	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.71	24.71	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.63	23.63	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.56	23.56	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.44	23.44	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.68	23.68	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.80	24.8	34.77	PASS





Band12	10MHz	16QAM	23095	1RB#49	21.80	24.8	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.72	24.72	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.81	23.81	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.80	23.8	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.71	23.71	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.51	23.51	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.68	24.68	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.64	24.64	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.73	24.73	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.56	23.56	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.60	23.6	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.59	23.59	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.84	23.84	34.77	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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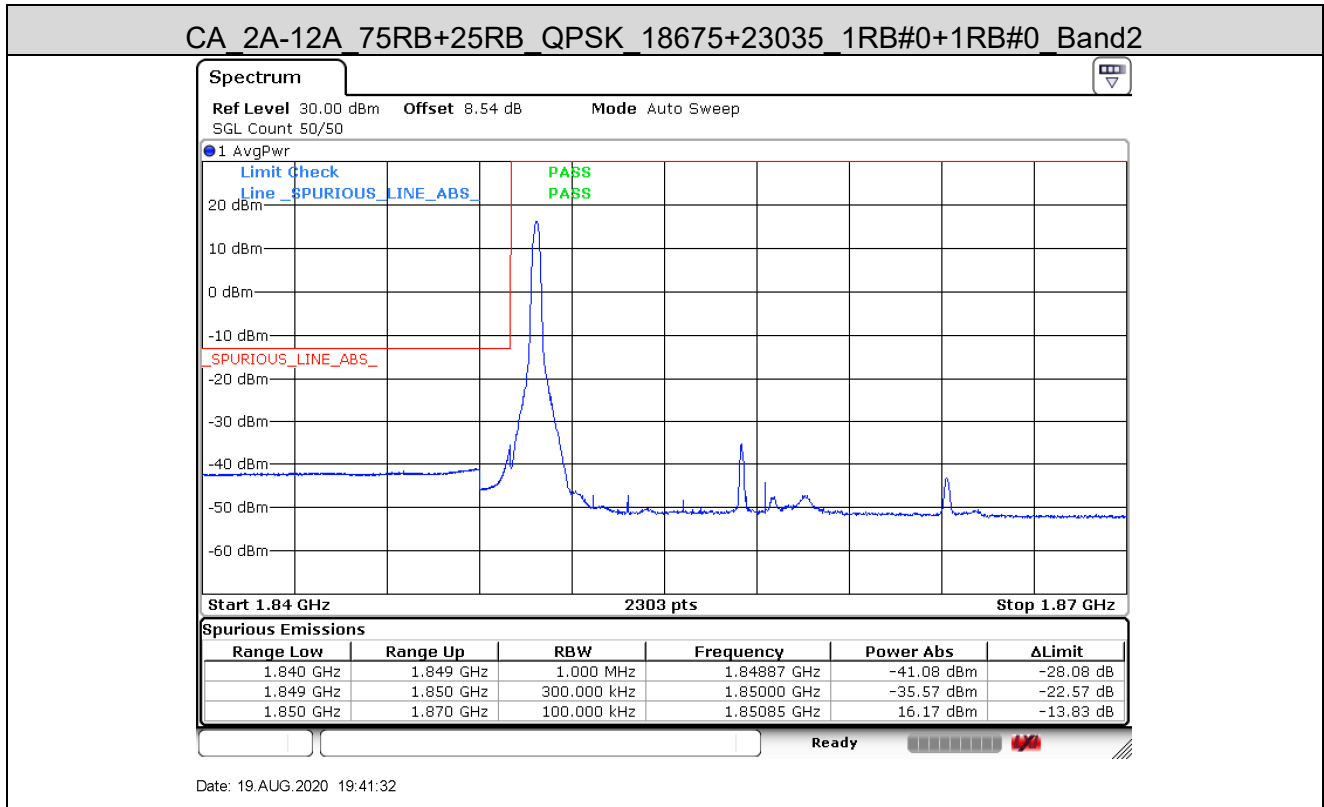
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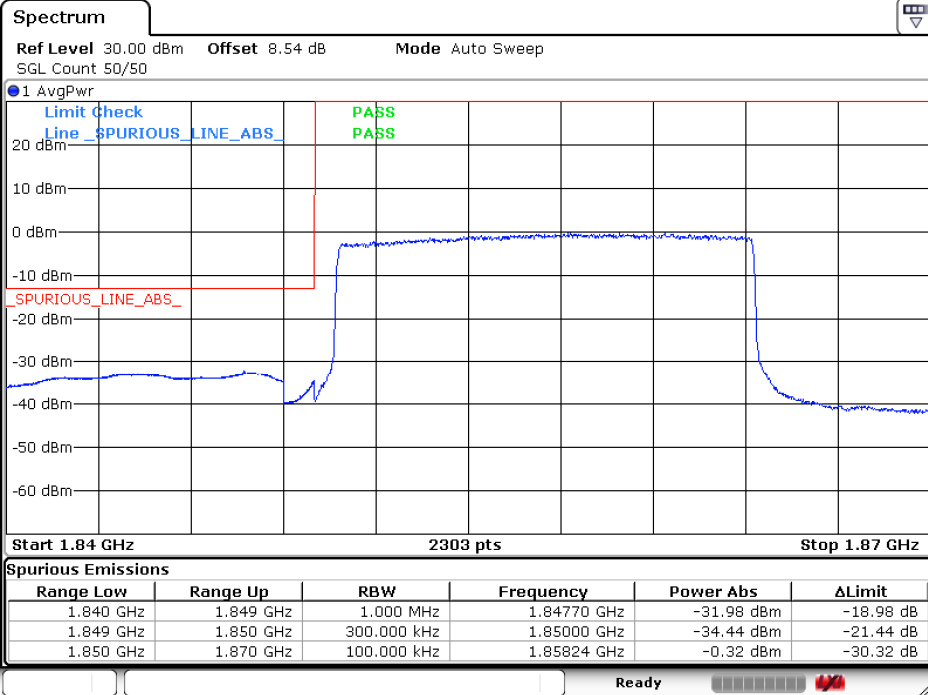
2 Band Edges Compliance

2.1 For LTE

2.1.1 Test Band = LTE Band CA_2A-12A

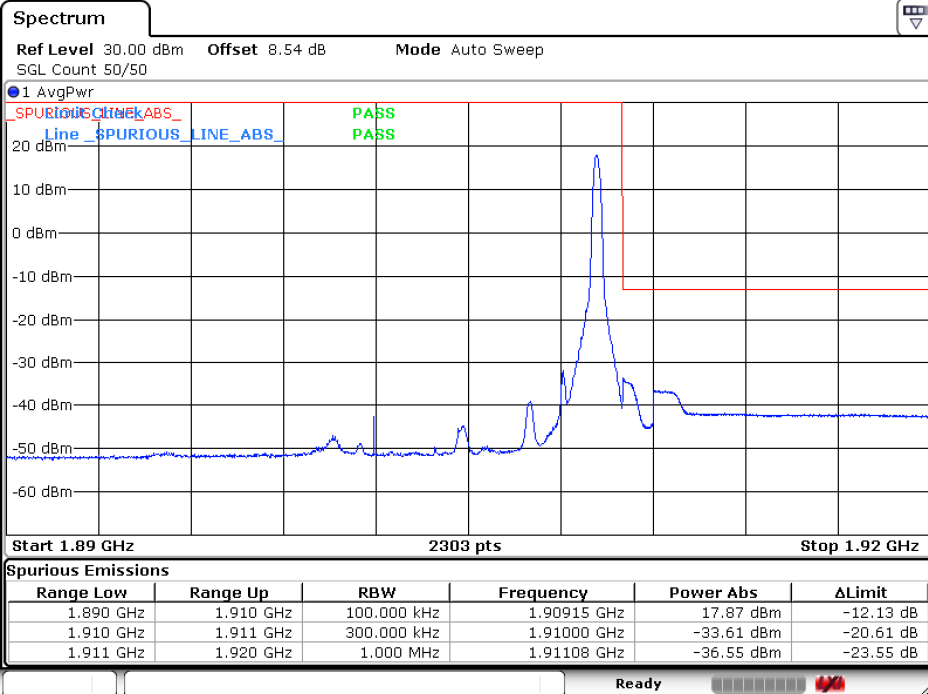


CA 2A-12A 75RB+25RB QPSK 18675+23035 75RB#0+25RB#0 Band2



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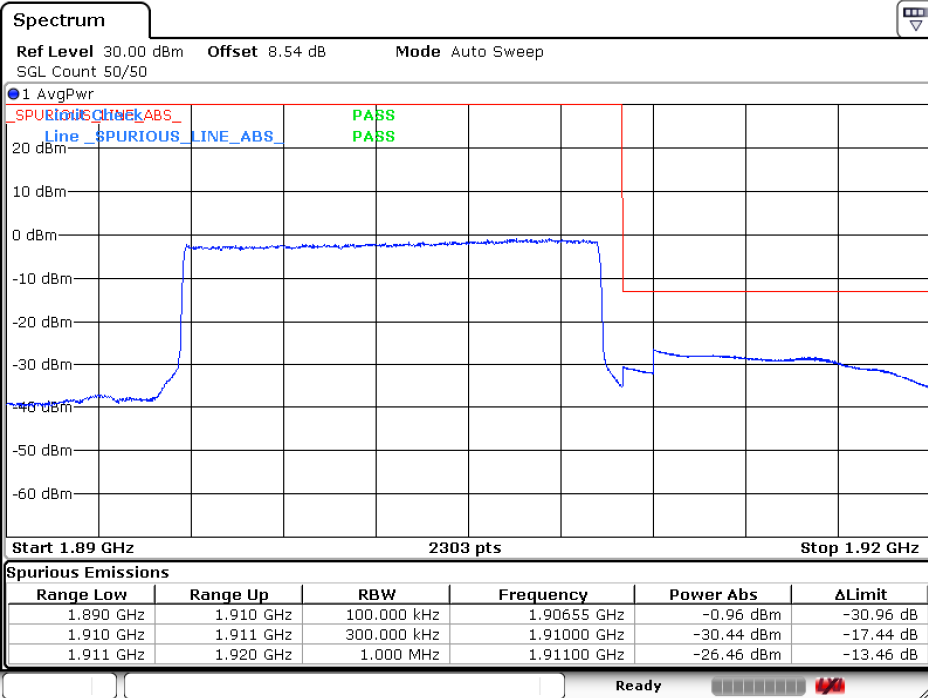
CA 2A-12A 75RB+25RB QPSK 19125+23155 1RB#74+1RB#24 Band2



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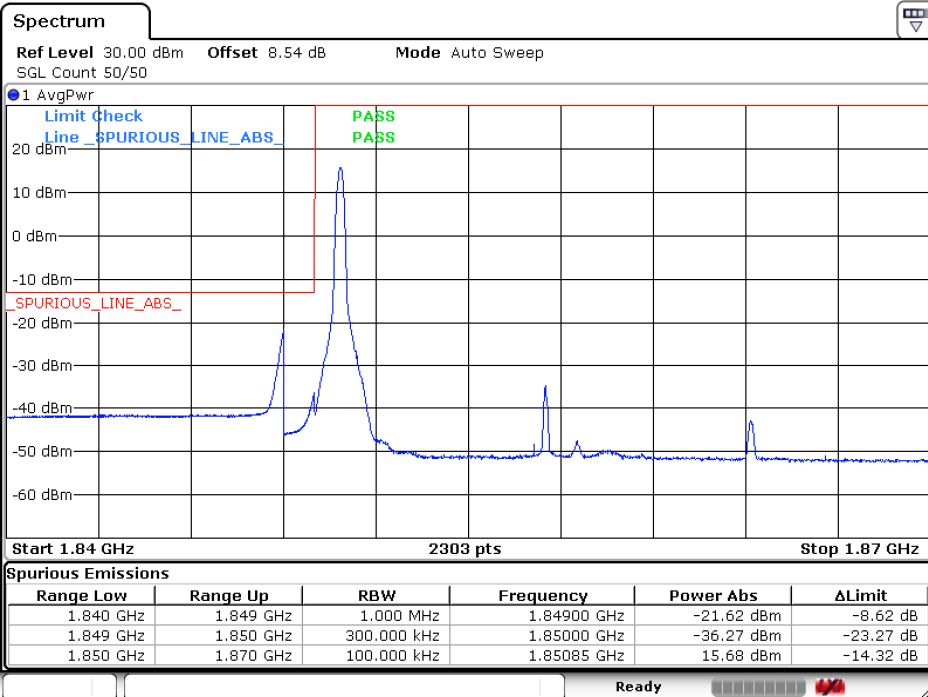


CA 2A-12A 75RB+25RB QPSK 19125+23155 75RB#0+25RB#0 Band2



Date: 19.AUG.2020 19:55:11

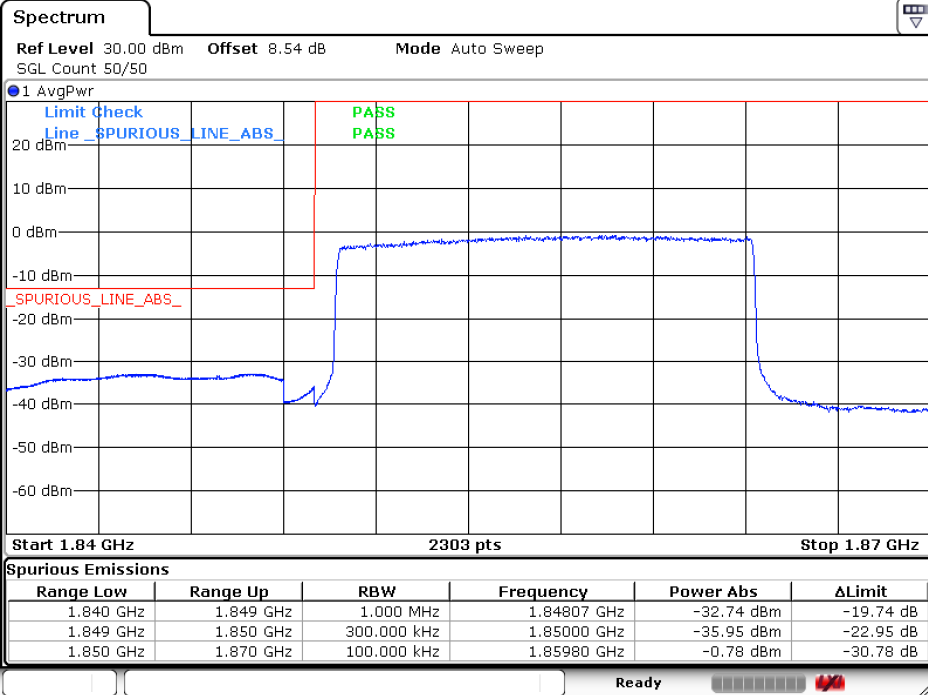
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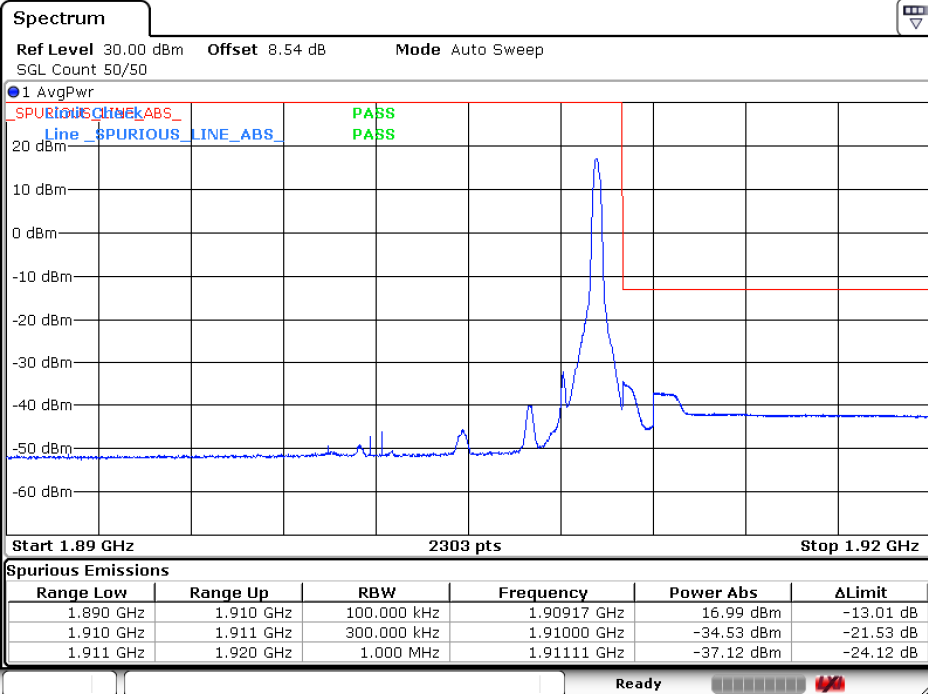


CA 2A-12A 75RB+25RB 16QAM 18675+23035 75RB#0+25RB#0 Band2



Date: 19.AUG.2020 19:42:39

CA 2A-12A 75RB+25RB 16QAM 19125+23155 1RB#74+1RB#24 Band2



Date: 19.AUG.2020 19:59:31

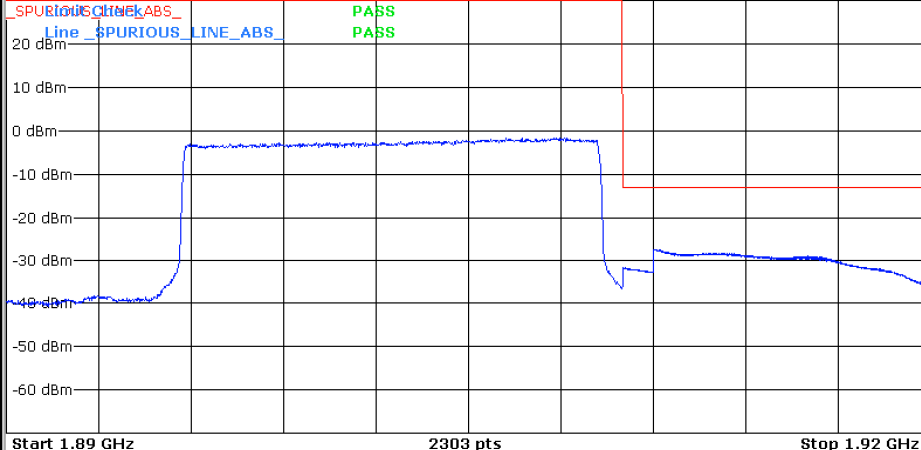


CA 2A-12A 75RB+25RB 16QAM 19125+23155 75RB#0+25RB#0 Band2

Spectrum

Ref Level 30.00 dBm Offset 8.54 dB Mode Auto Sweep
SGL Count 50/50

1 AvgPwr



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90817 GHz	-1.64 dBm	-31.64 dB
1.910 GHz	1.911 GHz	300.000 kHz	1.91007 GHz	-31.56 dBm	-18.56 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-27.34 dBm	-14.34 dB

Ready

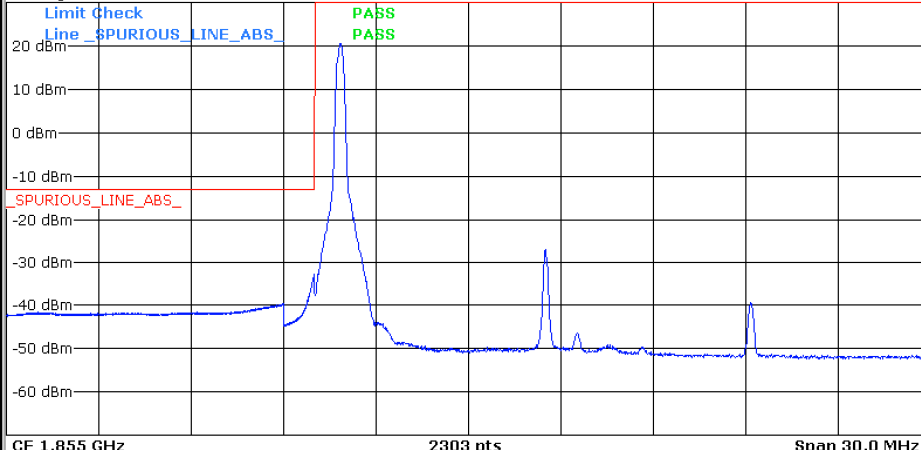
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CA 2A-12A 75RB+25RB 64QAM 18675+23035 1RB#0+1RB#0 Band2

Spectrum

Ref Level 30.00 dBm Offset 8.54 dB Mode Auto Sweep
SGL Count 50/50

1 AvgPwr



Spurious Emissions

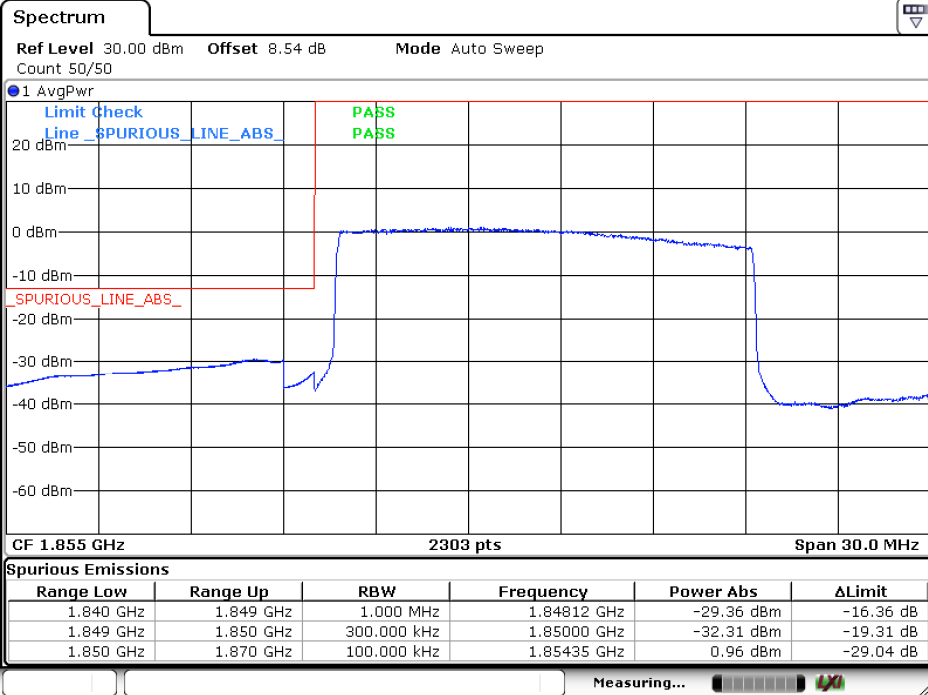
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-39.75 dBm	-26.75 dB
1.849 GHz	1.850 GHz	300.000 kHz	1.85000 GHz	-32.55 dBm	-19.55 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85085 GHz	20.61 dBm	-9.39 dB

Ready

Date: 24.AUG.2020 09:18:13

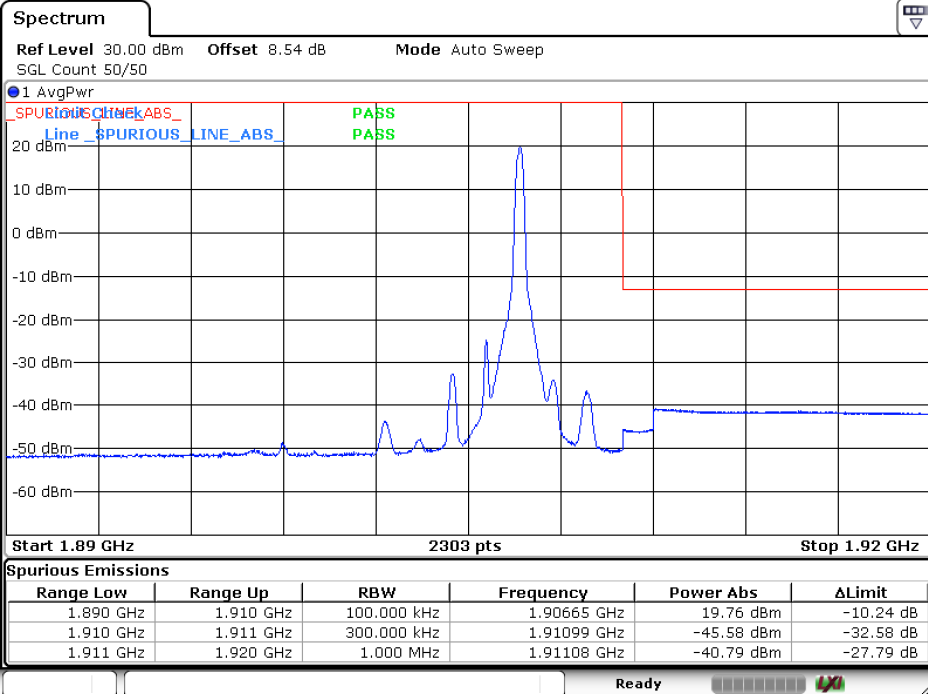


CA 2A-12A 75RB+25RB 64QAM 18675+23035 75RB#0+25RB#0 Band2



Date: 24.AUG.2020 09:17:08

CA 2A-12A 75RB+25RB 64QAM 19125+23155 1RB#74+1RB#24 Band2



Date: 24.AUG.2020 09:24:32



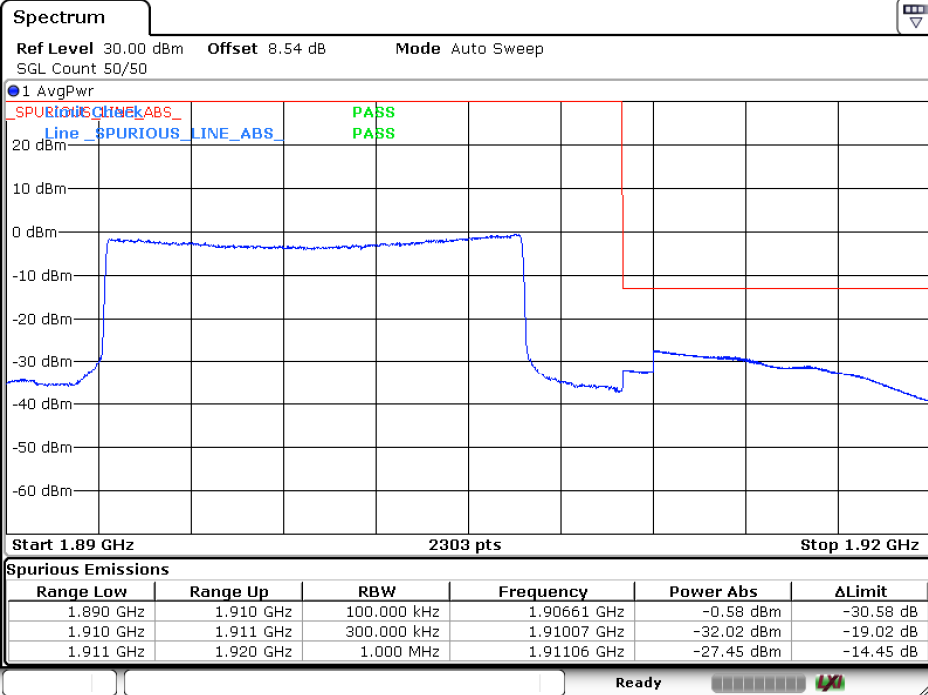
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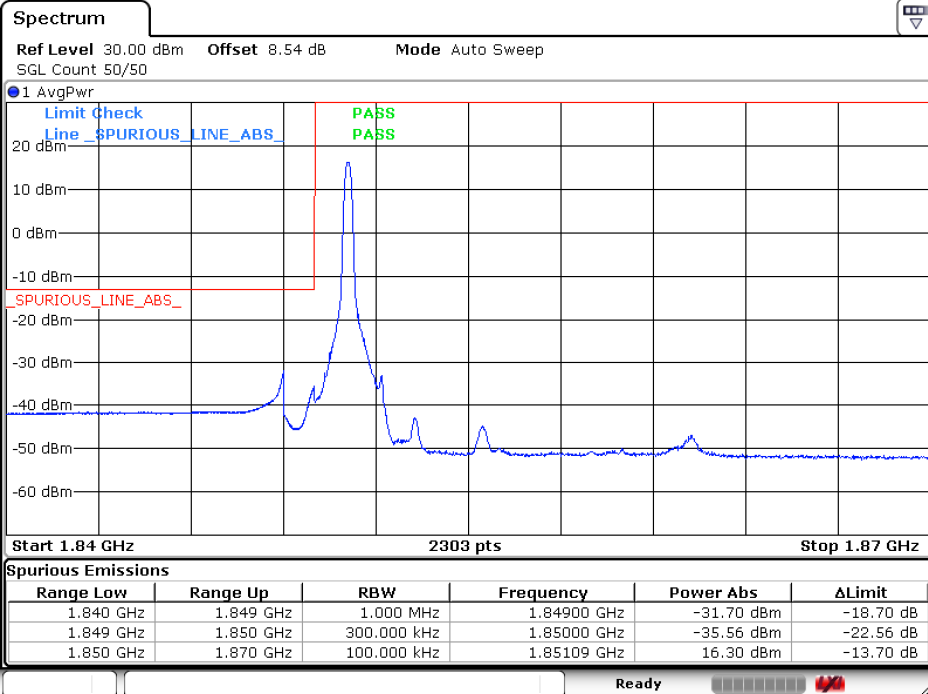
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CA 2A-12A 75RB+25RB 64QAM 19125+23155 75RB#0+25RB#0 Band2



Date: 24.AUG.2020 09:25:14

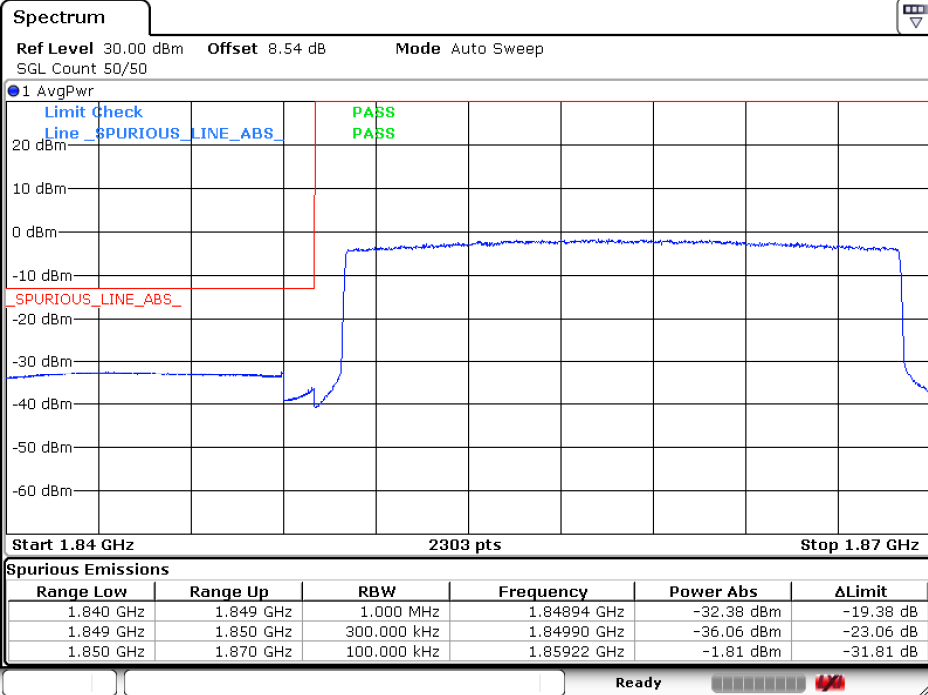
CA 2A-12A 100RB+50RB QPSK 18700+23060 1RB#0+1RB#0 Band2



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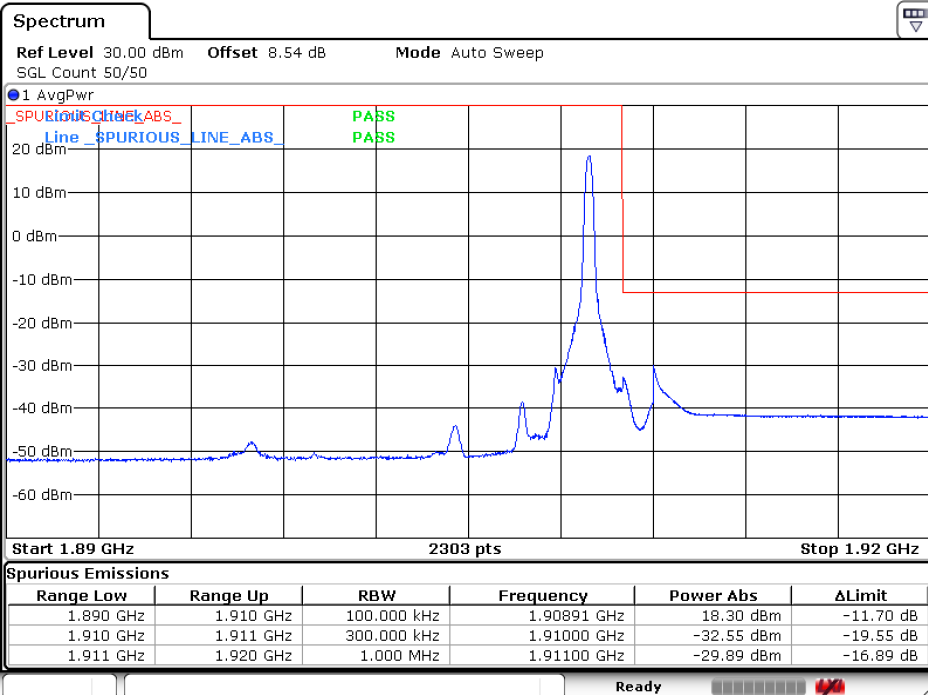


CA 2A-12A 100RB+50RB QPSK 18700+23060 100RB#0+50RB#0 Band2



Date: 19.AUG.2020 19:17:11

CA 2A-12A 100RB+50RB QPSK 19100+23130 1RB#99+1RB#49 Band2



Date: 19.AUG.2020 19:03:30



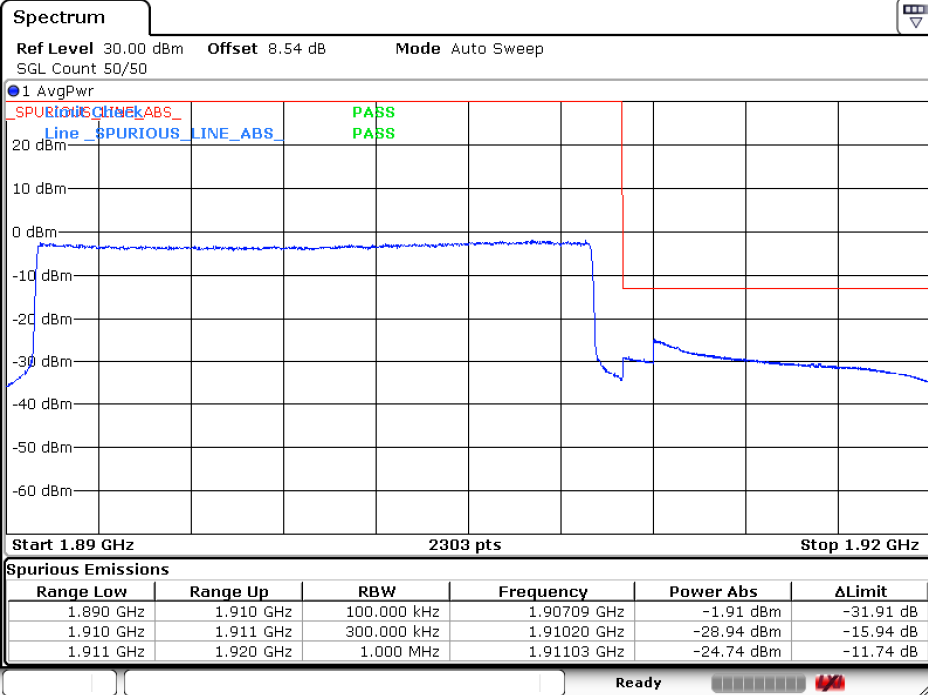
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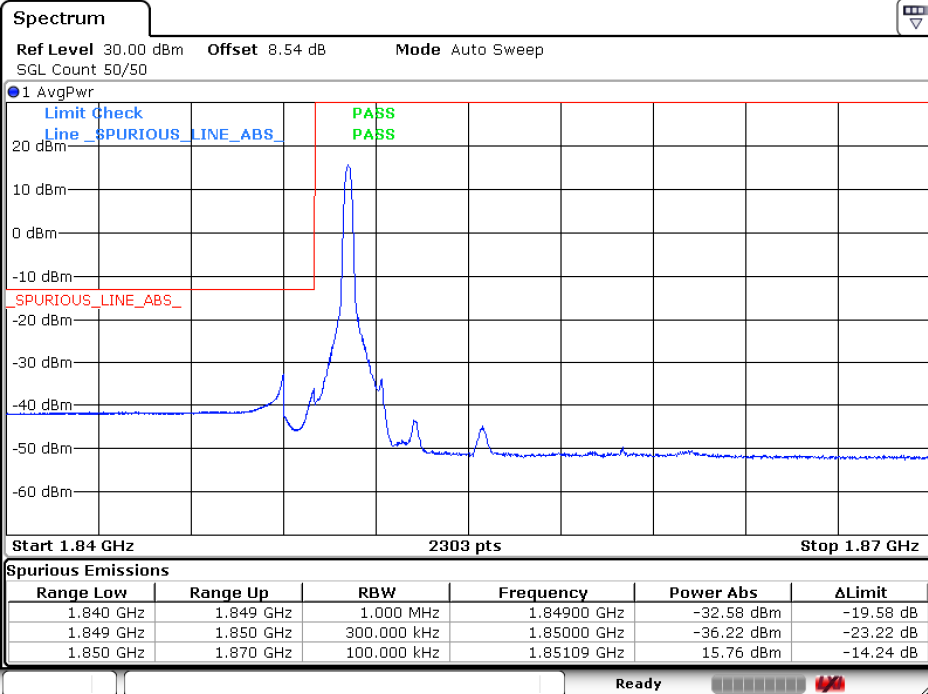
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CA 2A-12A 100RB+50RB QPSK 19100+23130 100RB#0+50RB#0 Band2



Date: 19.AUG.2020 19:02:52

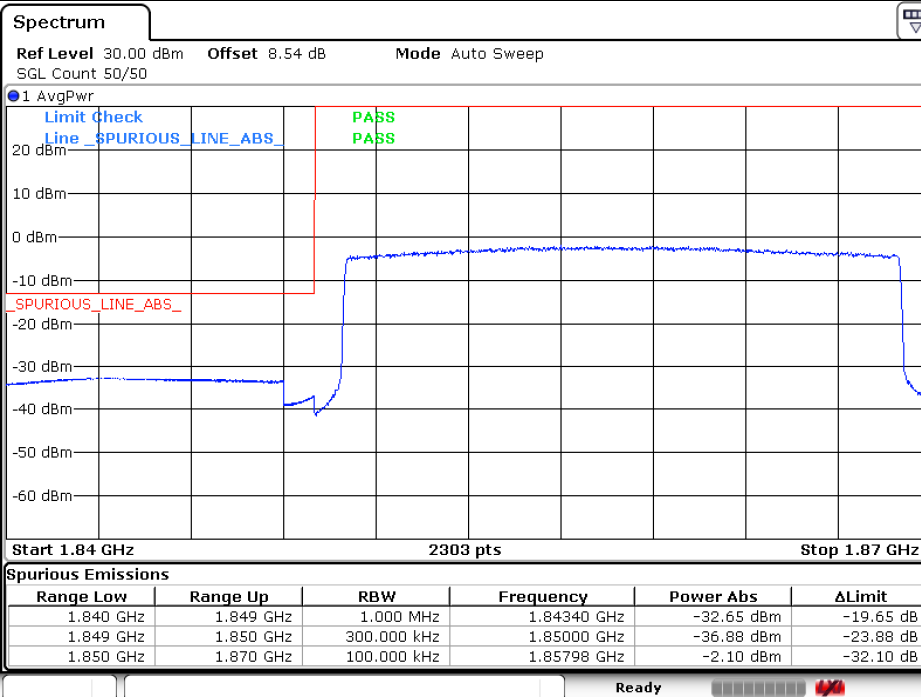
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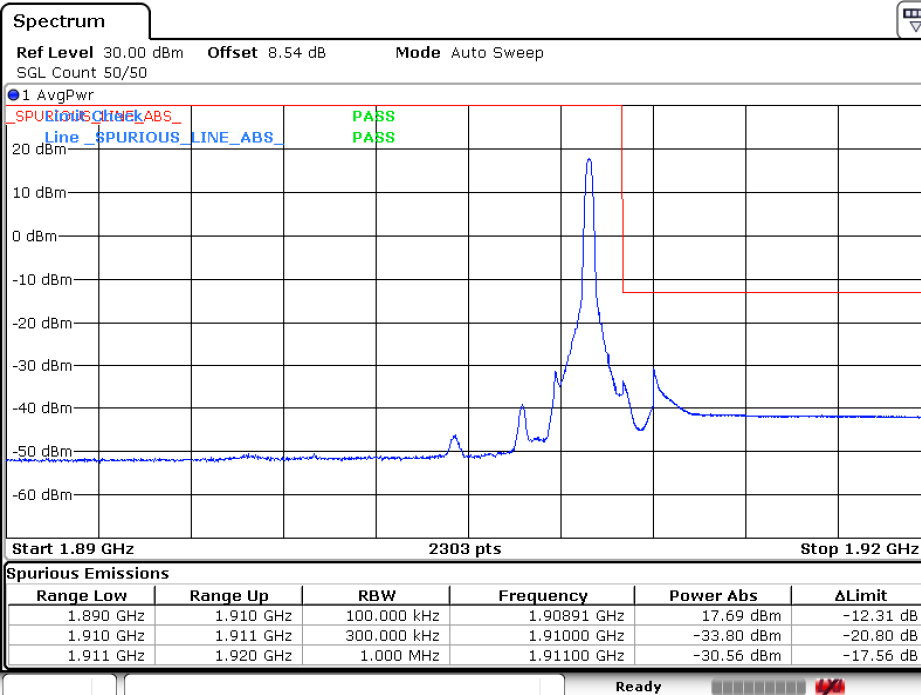


CA 2A-12A 100RB+50RB 16QAM 18700+23060 100RB#0+50RB#0 Band2



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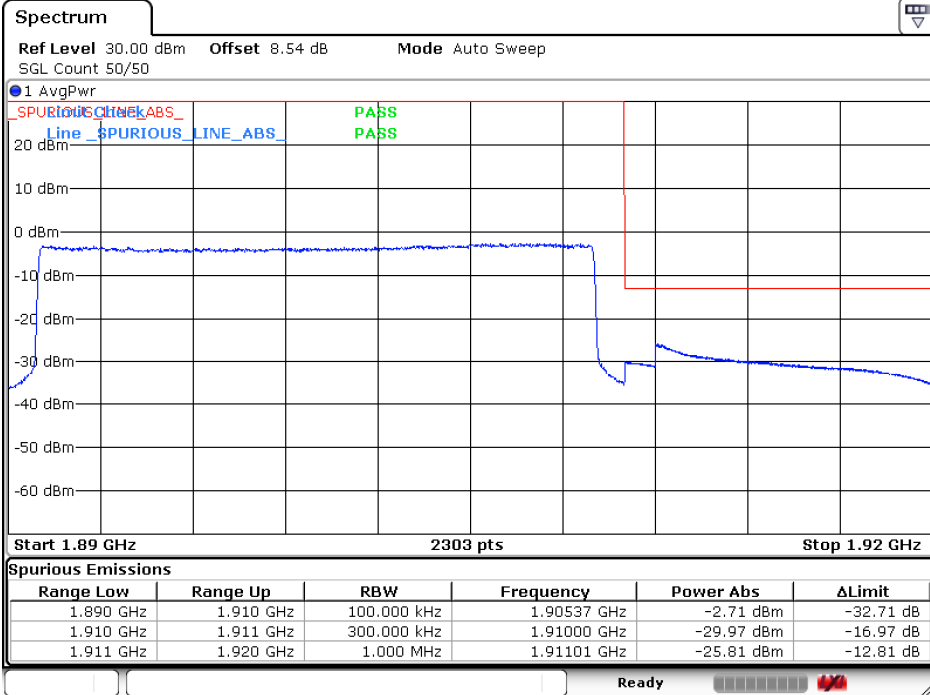
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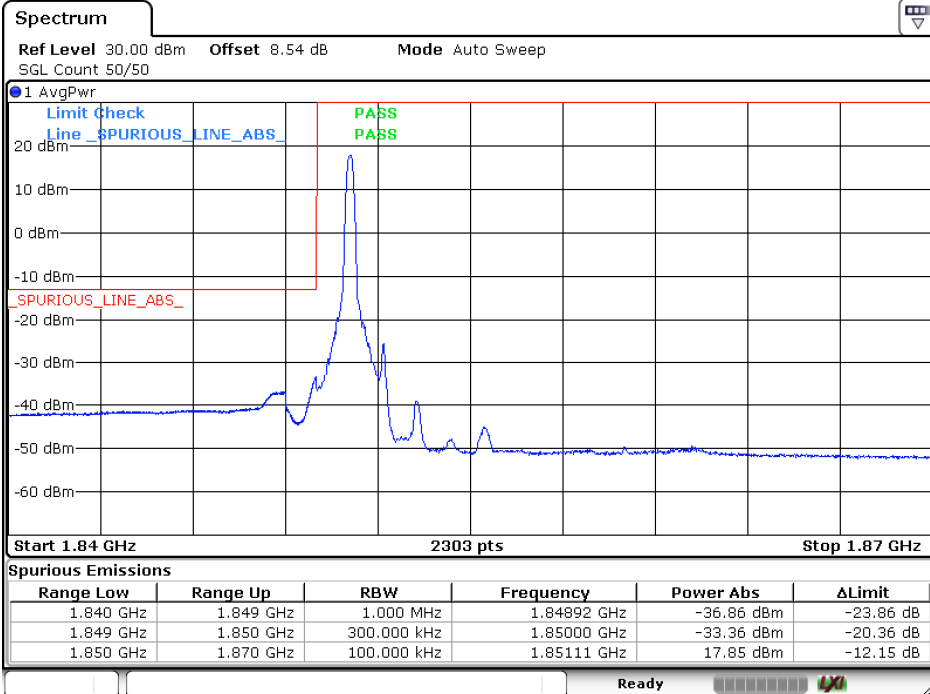


CA 2A-12A 100RB+50RB 16QAM 19100+23130 100RB#0+50RB#0 Band2



Date: 19.AUG.2020 19:00:03

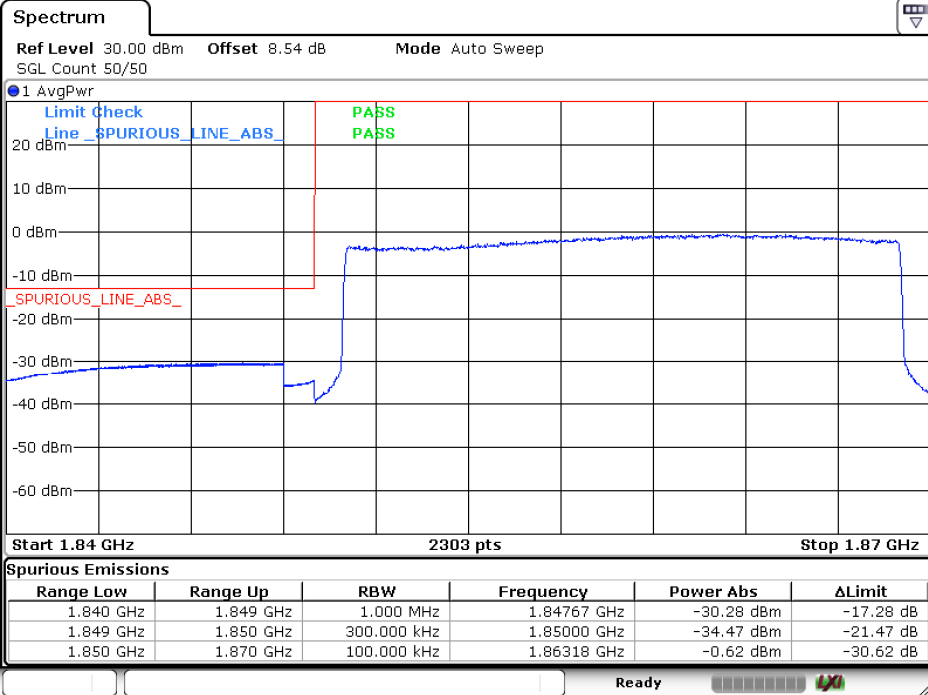
CA 2A-12A 100RB+50RB 64QAM 18700+23060 1RB#0+1RB#0 Band2



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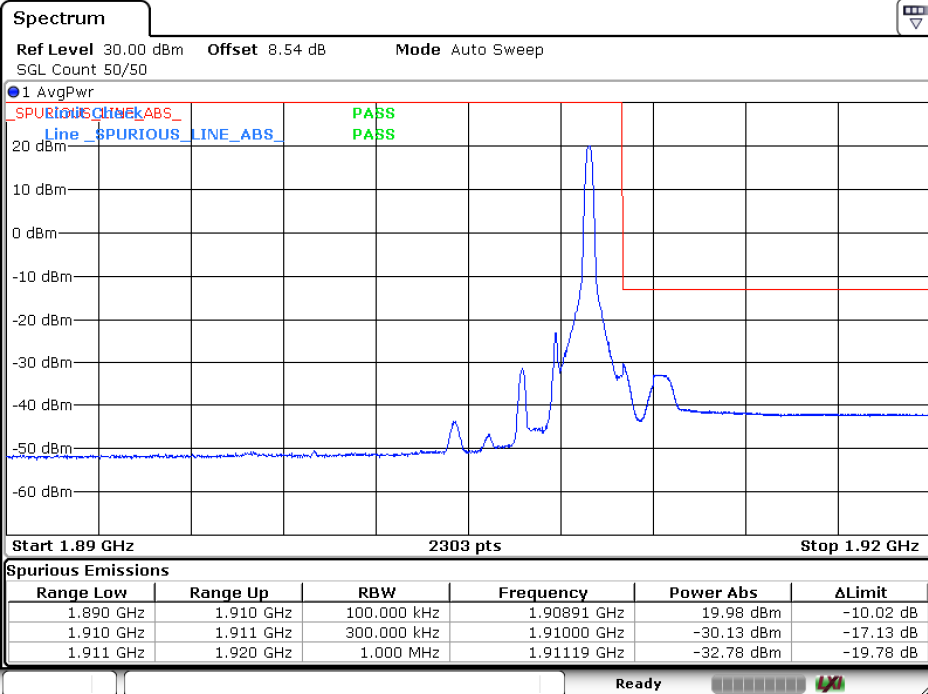


CA 2A-12A 100RB+50RB 64QAM 18700+23060 100RB#0+50RB#0 Band2



Date: 24.AUG.2020 09:05:34

CA 2A-12A 100RB+50RB 64QAM 19100+23130 1RB#99+1RB#49 Band2



Date: 24.AUG.2020 09:12:33



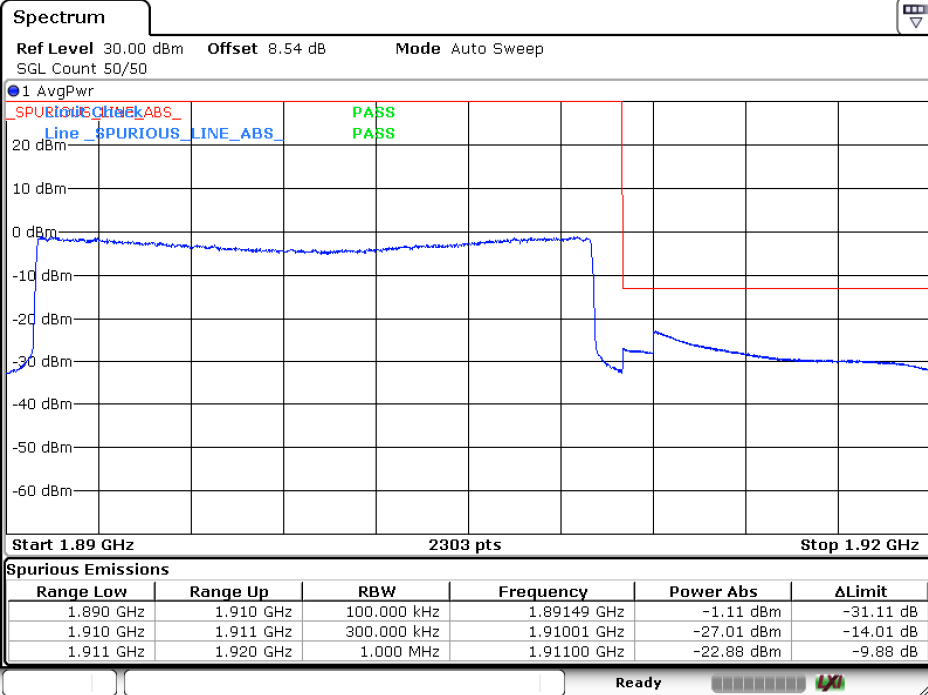
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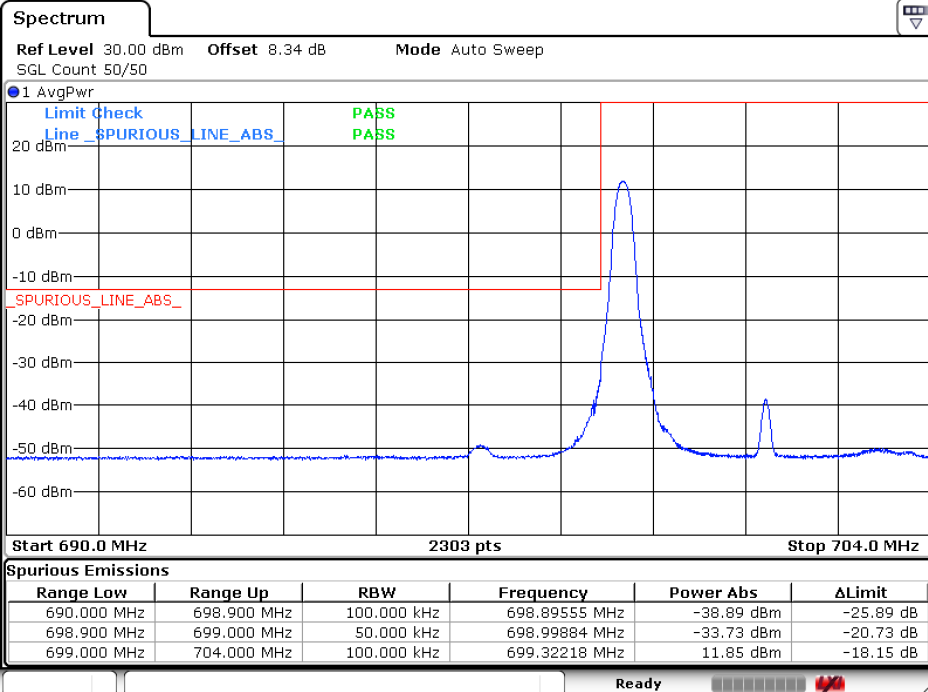
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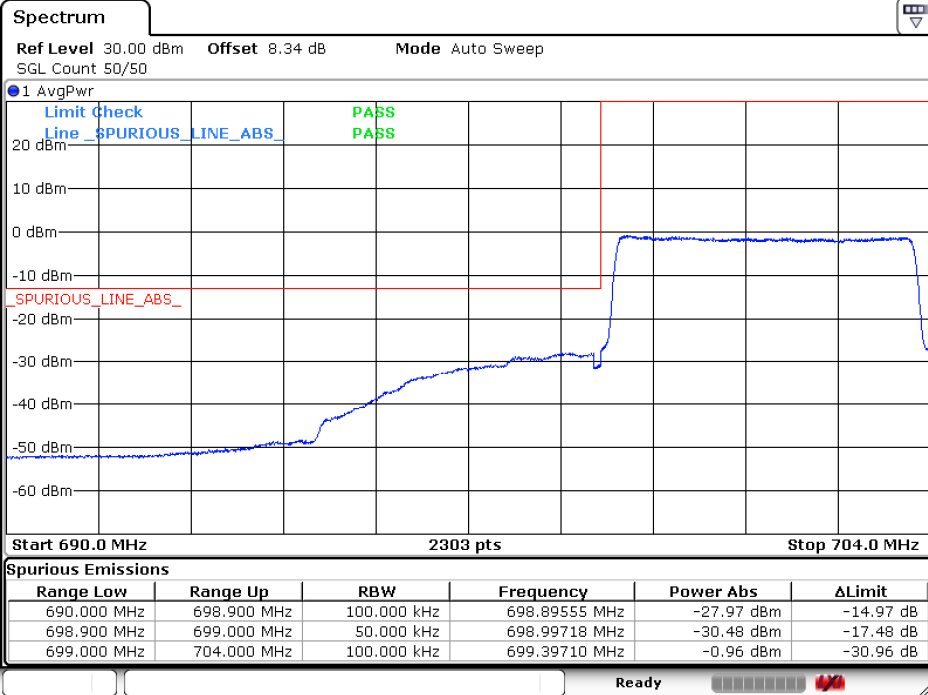
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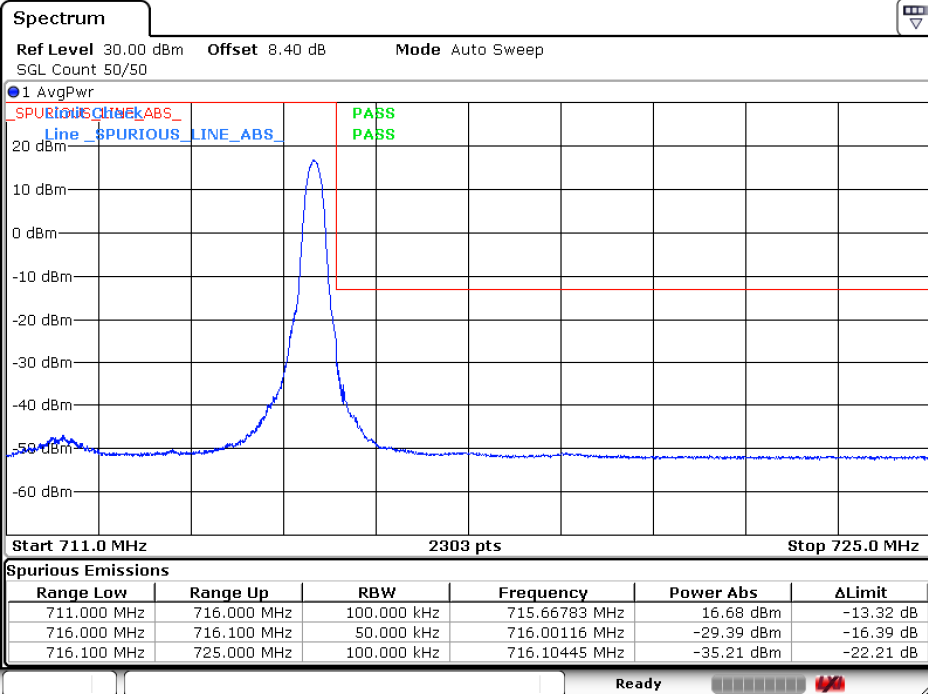


CA 2A-12A 75RB+25RB QPSK 18675+23035 75RB#0+25RB#0 Band12



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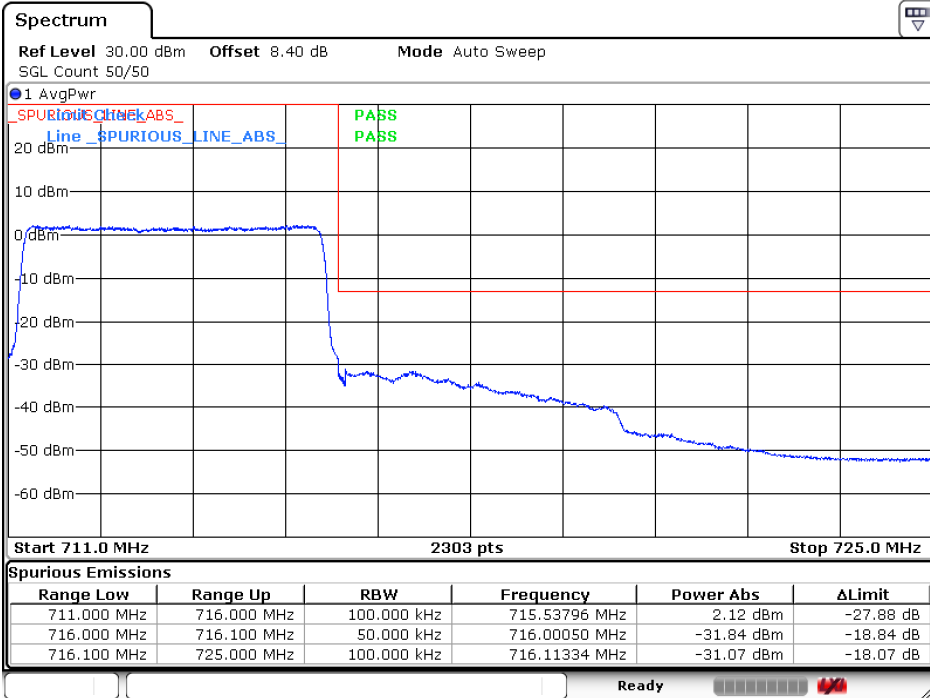
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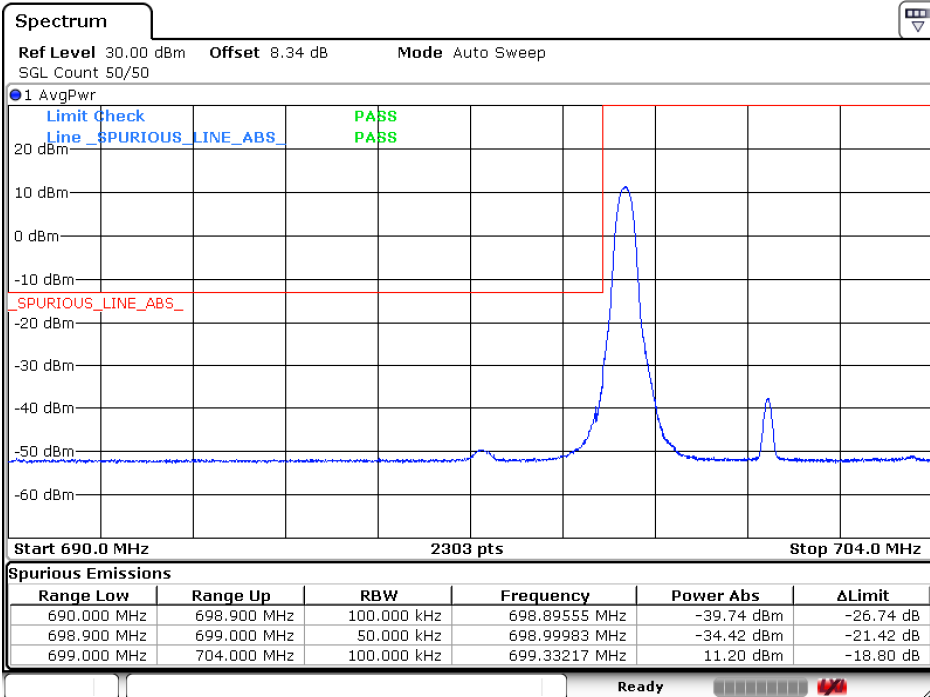


CA 2A-12A 75RB+25RB QPSK 19125+23155 75RB#0+25RB#0 Band12



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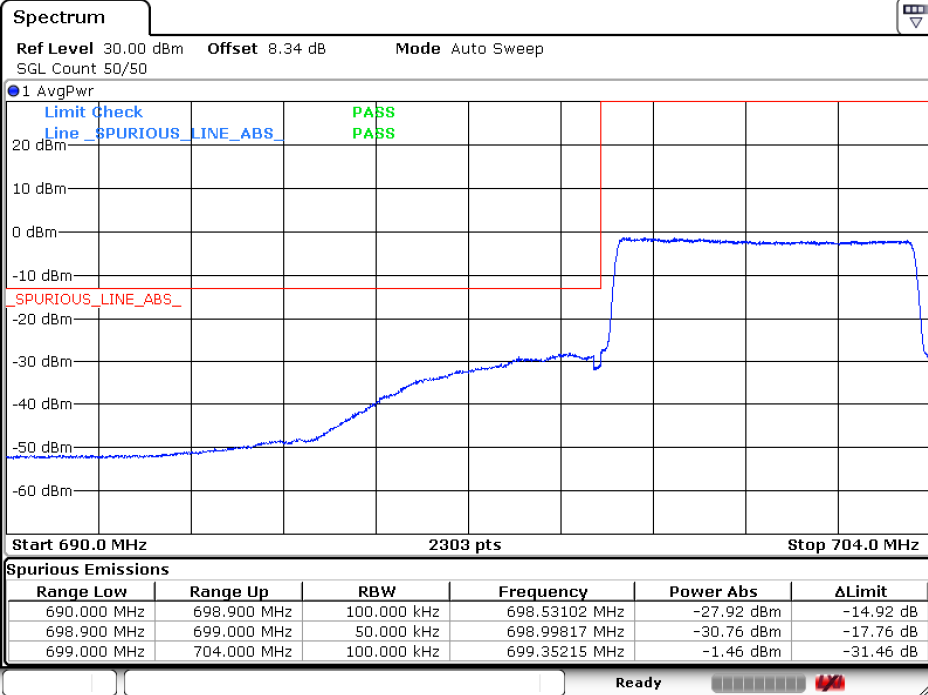
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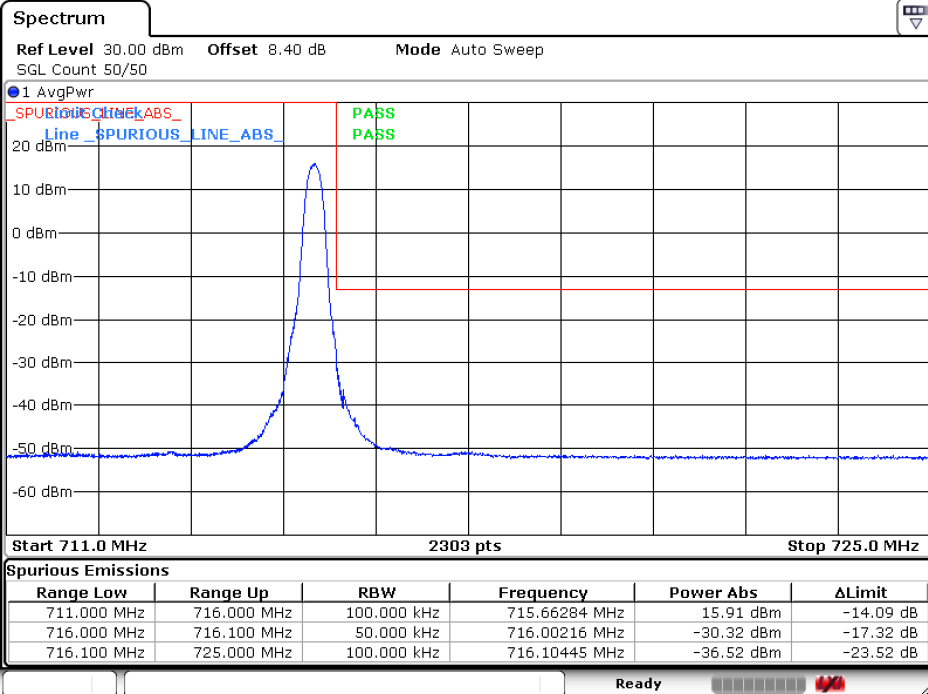


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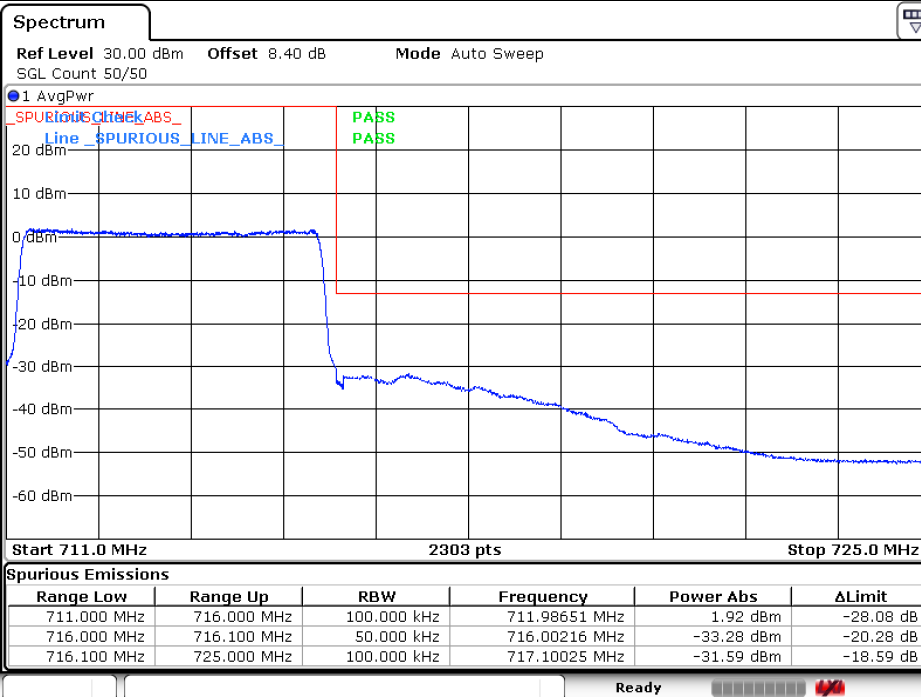
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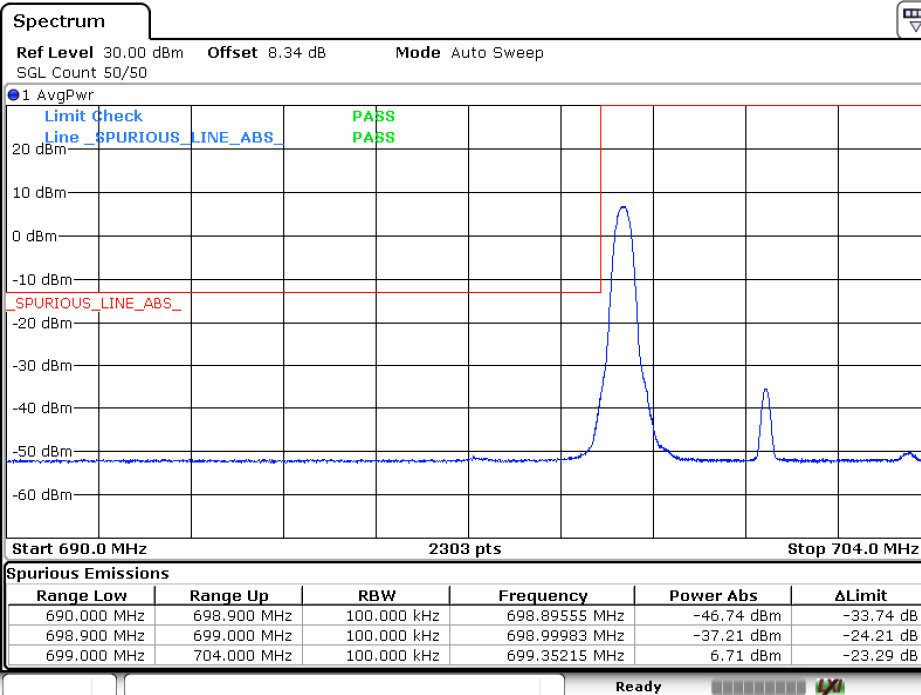


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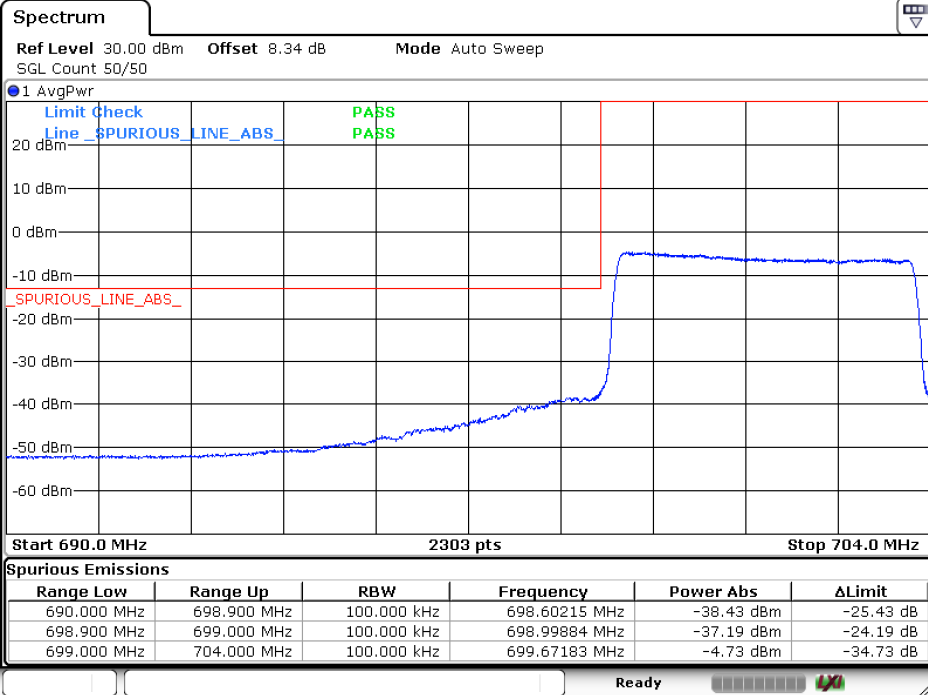
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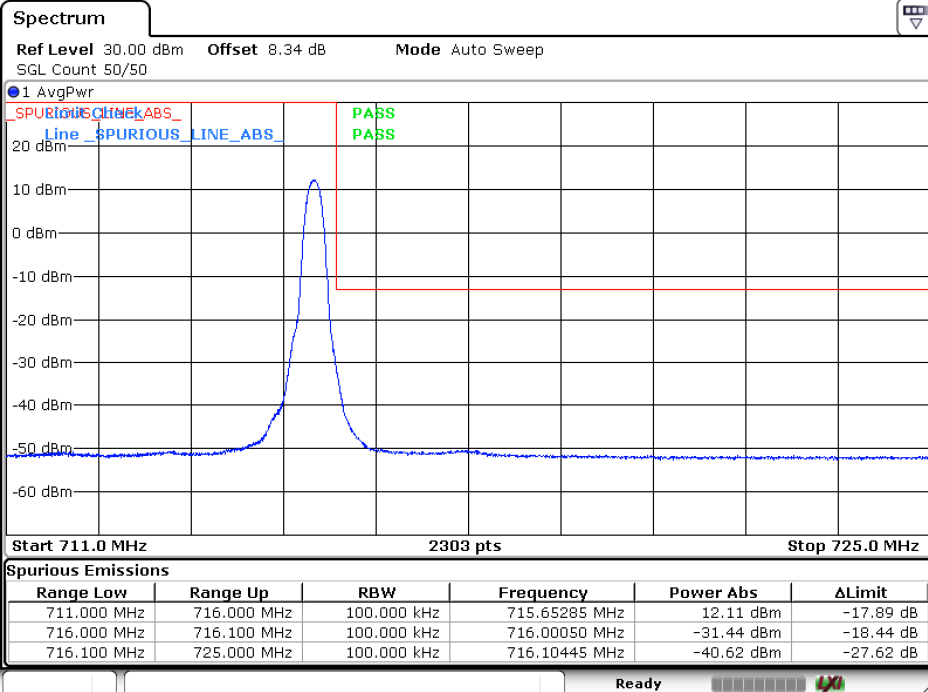


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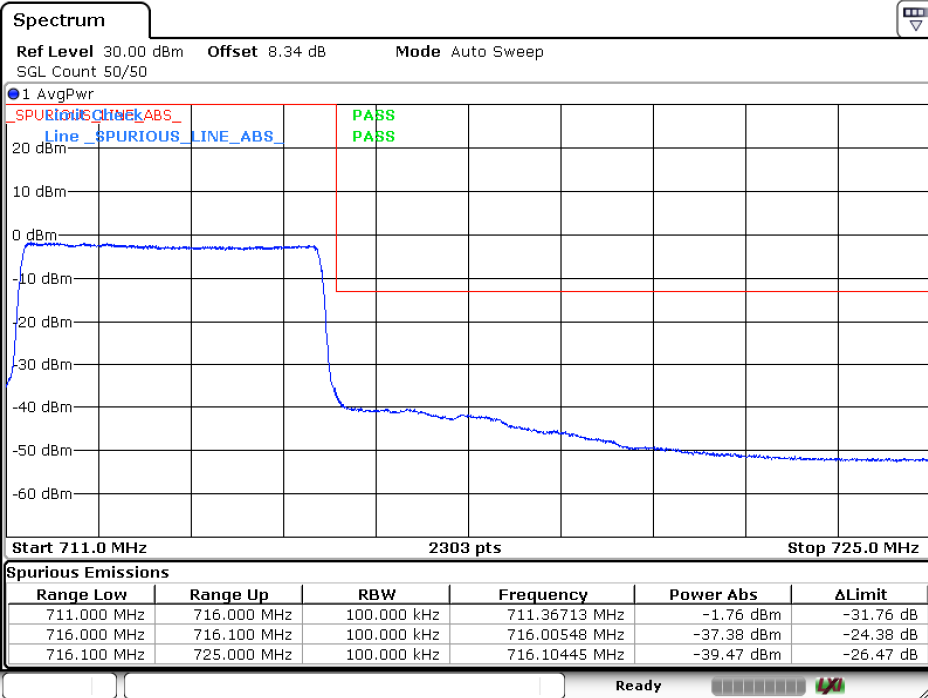
CA 2A-12A 75RB+25RB 64QAM 19125+23155 1RB#74+1RB#24 Band12



Date: 24.AUG.2020 09:21:43

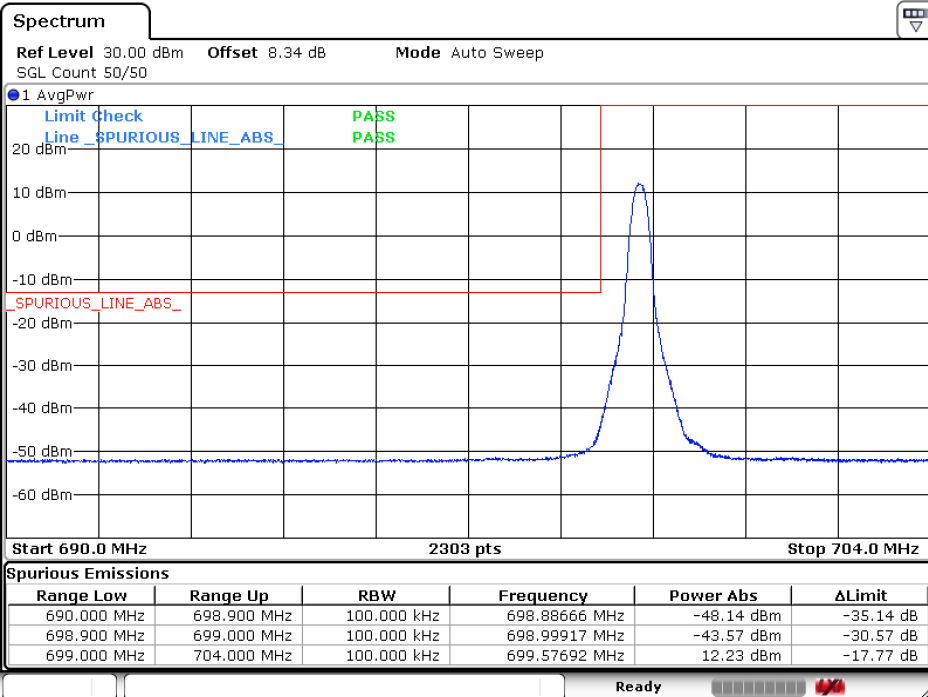


CA 2A-12A 75RB+25RB 64QAM 19125+23155 75RB#0+25RB#0 Band12



Date: 24.AUG.2020 09:23:09

CA 2A-12A 100RB+50RB QPSK 18700+23060 1RB#0+1RB#0 Band12



Date: 19.AUG.2020 19:34:08



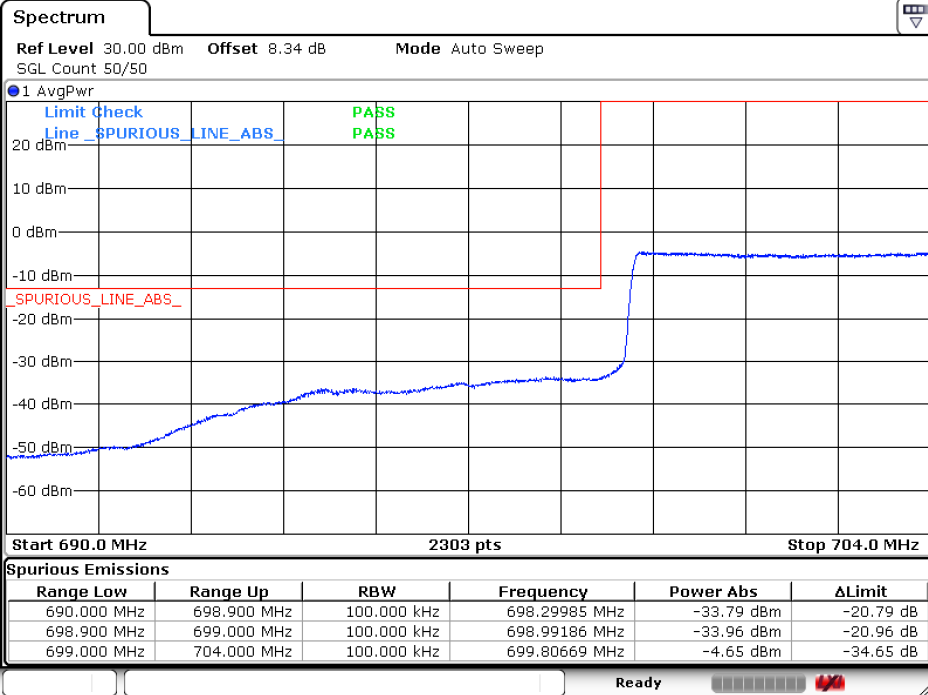
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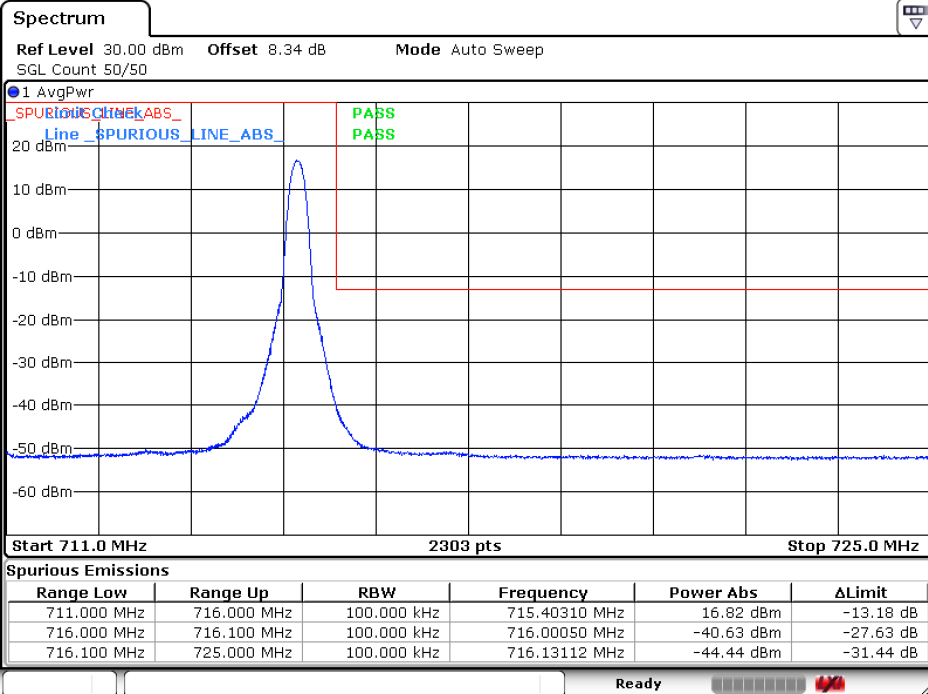
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CA 2A-12A 100RB+50RB QPSK 18700+23060 100RB#0+50RB#0 Band12



Date: 19.AUG.2020 19:22:04

CA 2A-12A 100RB+50RB QPSK 19100+23130 1RB#99+1RB#49 Band12

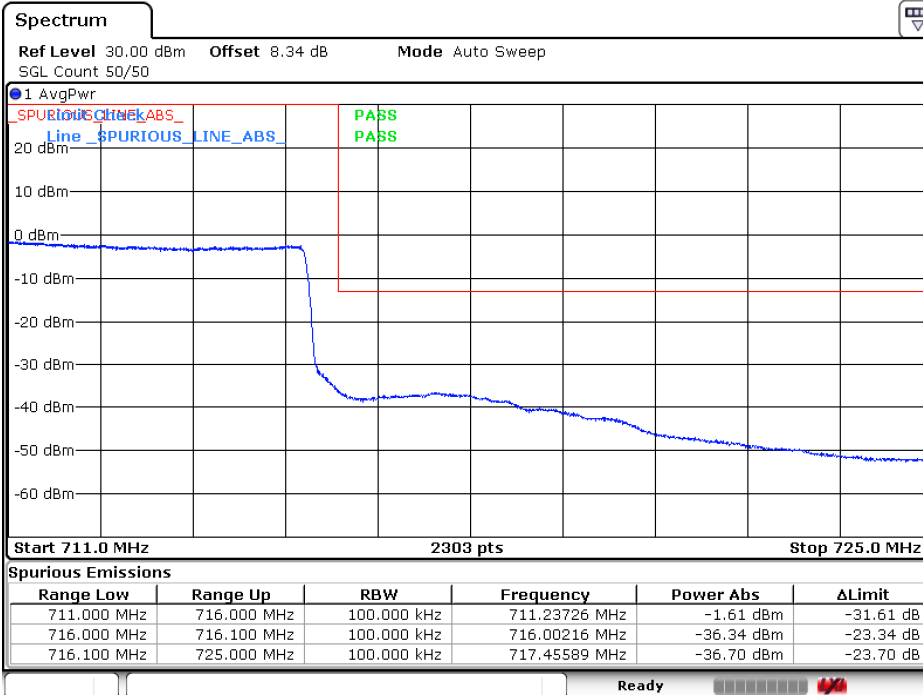


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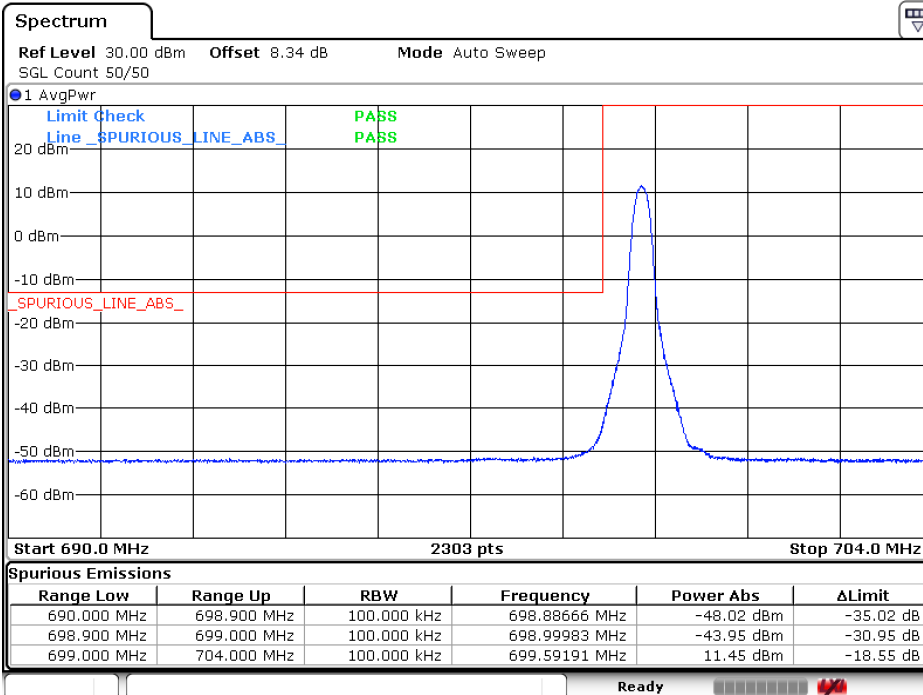


CA 2A-12A 100RB+50RB QPSK 19100+23130 100RB#0+50RB#0 Band12



Date: 19.AUG.2020 19:13:43

CA 2A-12A 100RB+50RB 16QAM 18700+23060 1RB#0+1RB#0 Band12



Date: 19.AUG.2020 19:31:20

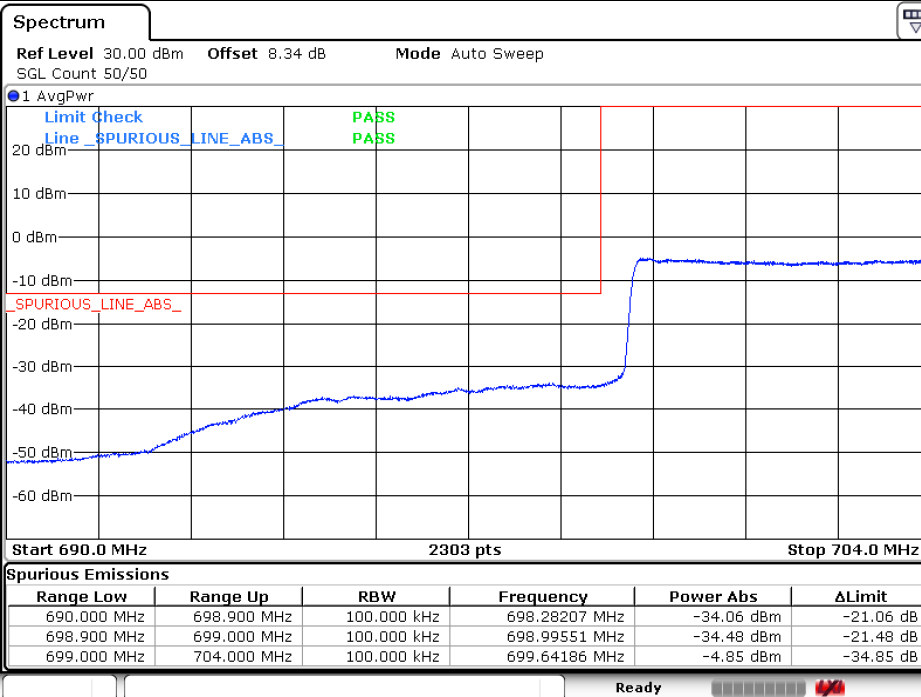


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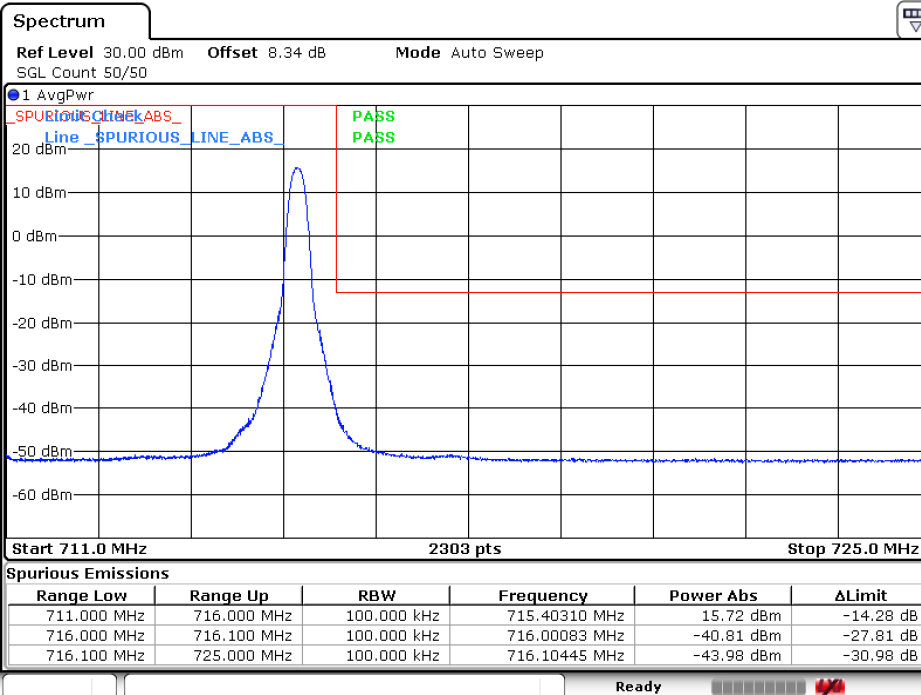
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CA 2A-12A 100RB+50RB 16QAM 18700+23060 100RB#0+50RB#0 Band12



Date: 19.AUG.2020 19:23:02

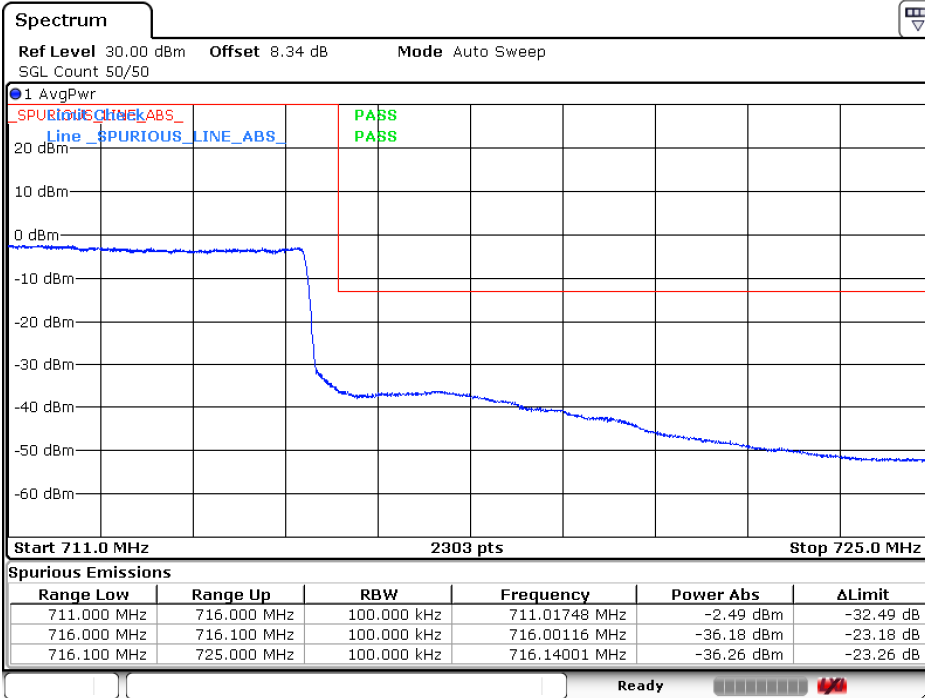
CA 2A-12A 100RB+50RB 16QAM 19100+23130 1RB#99+1RB#49 Band12



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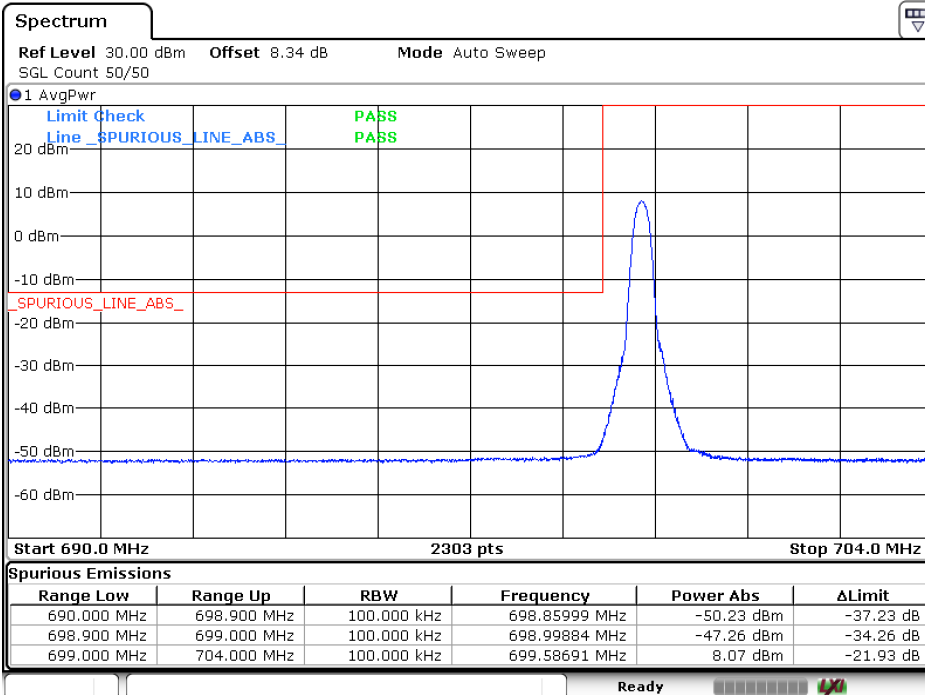


CA 2A-12A 100RB+50RB 16QAM 19100+23130 100RB#0+50RB#0 Band12



Date: 19.AUG.2020 19:13:13

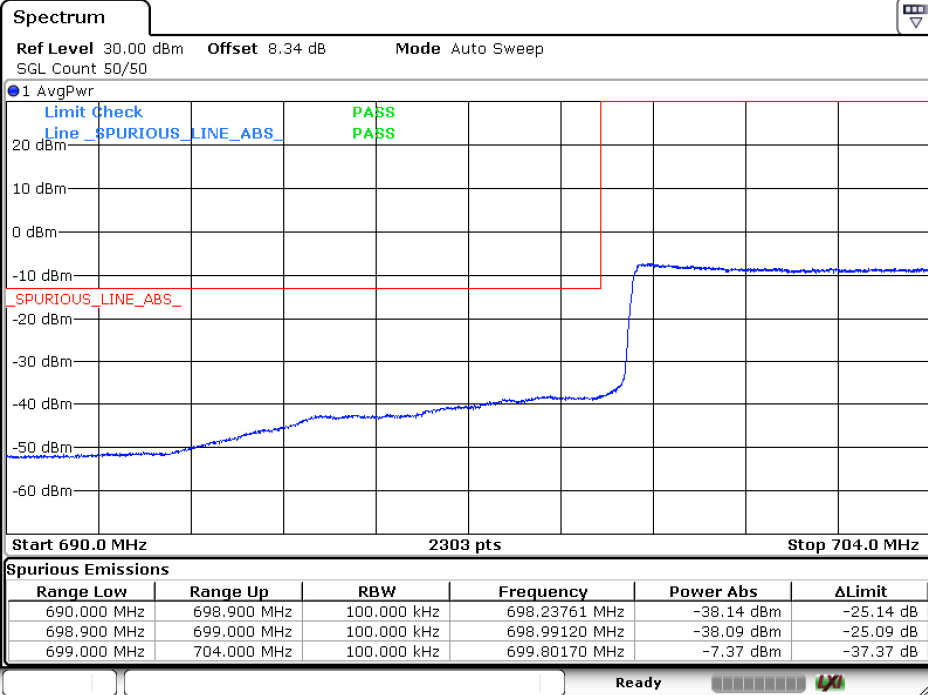
CA 2A-12A 100RB+50RB 64QAM 18700+23060 1RB#0+1RB#0 Band12



Date: 24.AUG.2020 09:03:51

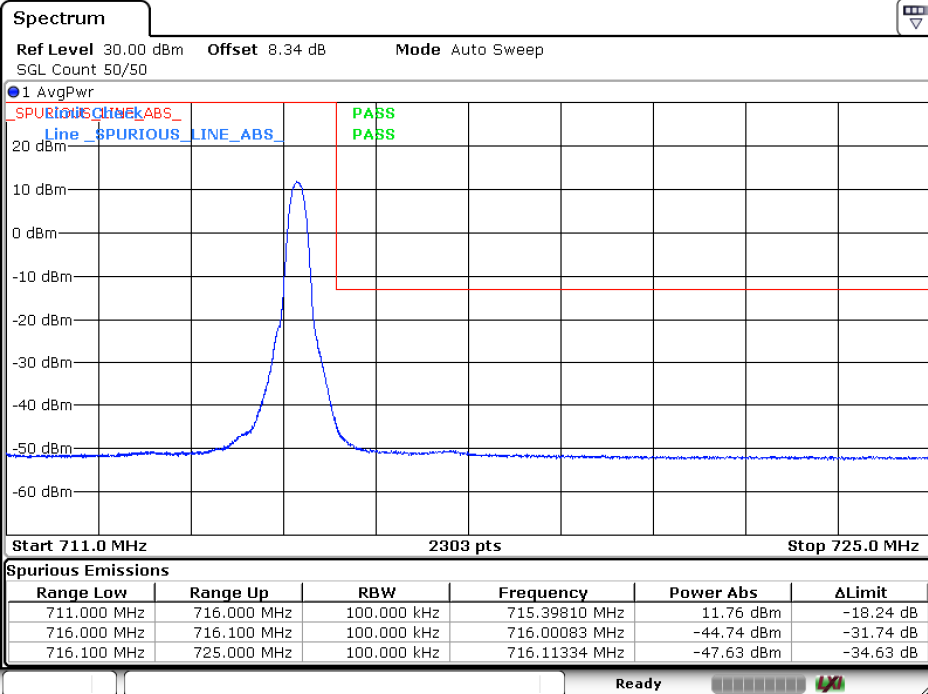


CA 2A-12A 100RB+50RB 64QAM 18700+23060 100RB#0+50RB#0 Band12



Date: 24.AUG.2020 09:04:46

CA 2A-12A 100RB+50RB 64QAM 19100+23130 1RB#99+1RB#49 Band12

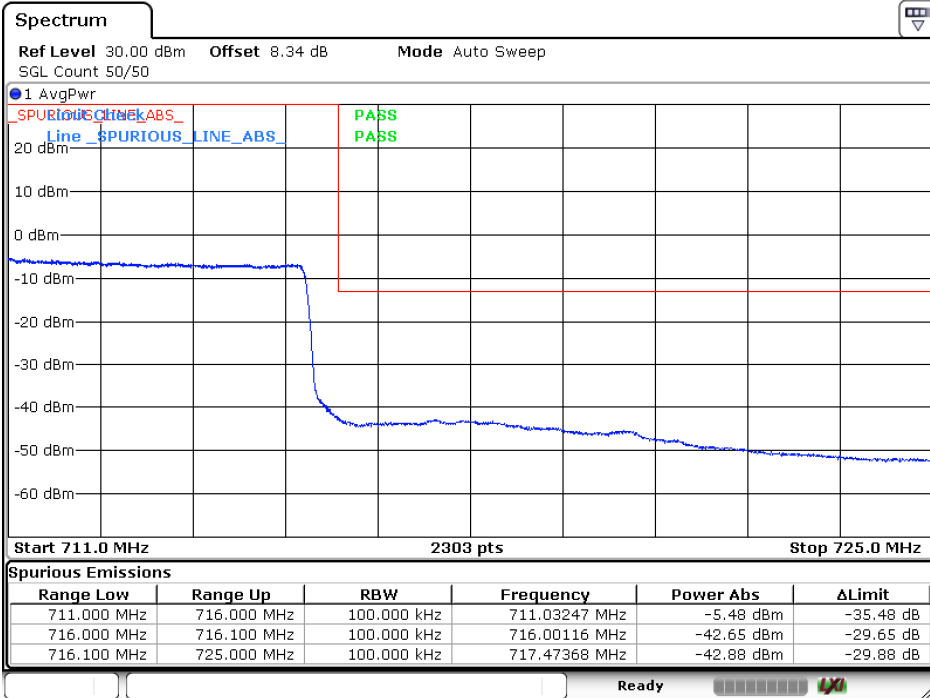


Date: 24.AUG.2020 09:14:38





CA 2A-12A 100RB+50RB 64QAM 19100+23130 100RB#0+50RB#0 Band12



Date: 24.AUG.2020 09:13:50



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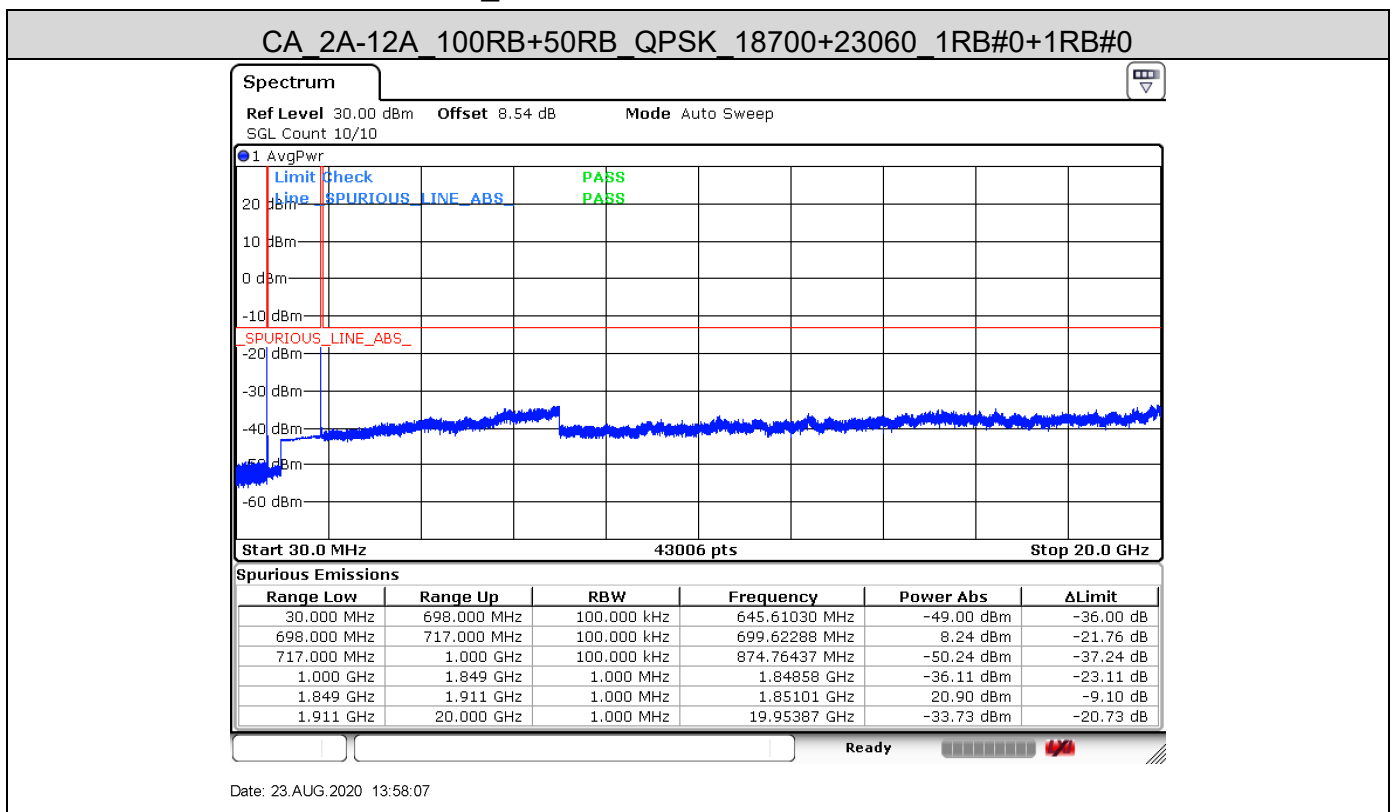
3 Spurious Emission at Antenna Terminal

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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

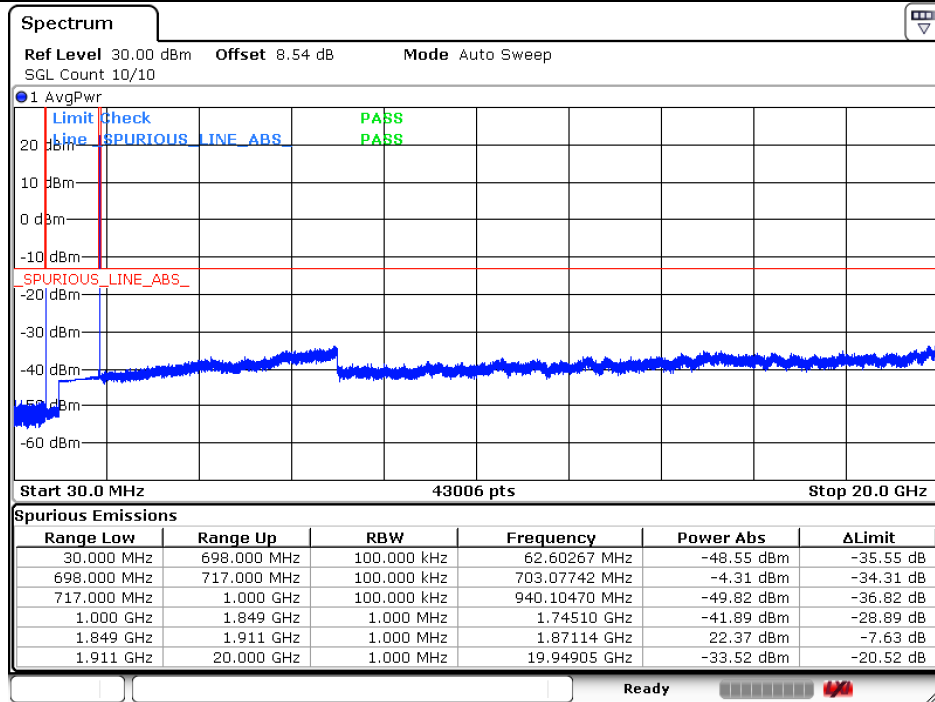
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE Band CA_2A-12A



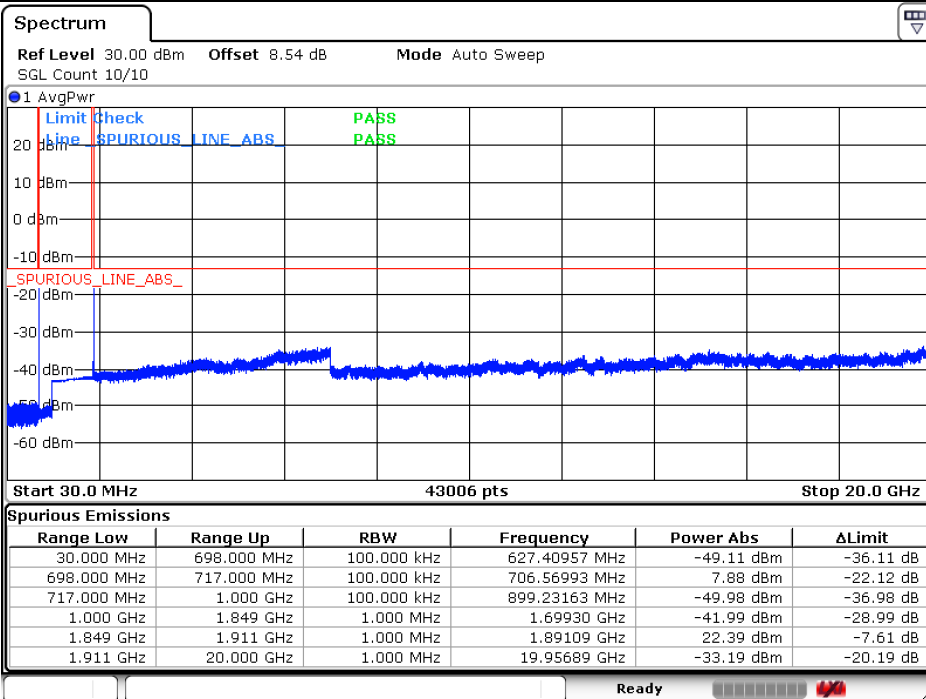
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Date: 23.AUG.2020 14:48:51



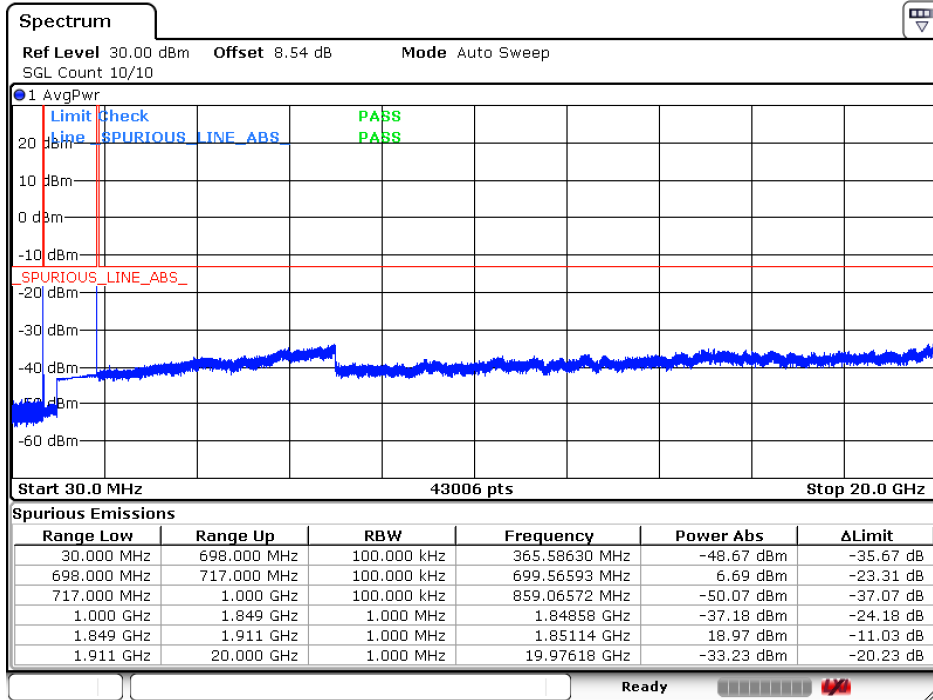
CA 2A-12A 100RB+50RB QPSK 19100+23130 1RB#0+1RB#0



Date: 23.AUG.2020 14:46:22



CA_2A-12A_100RB+50RB_16QAM_18700+23060_1RB#0+1RB#0



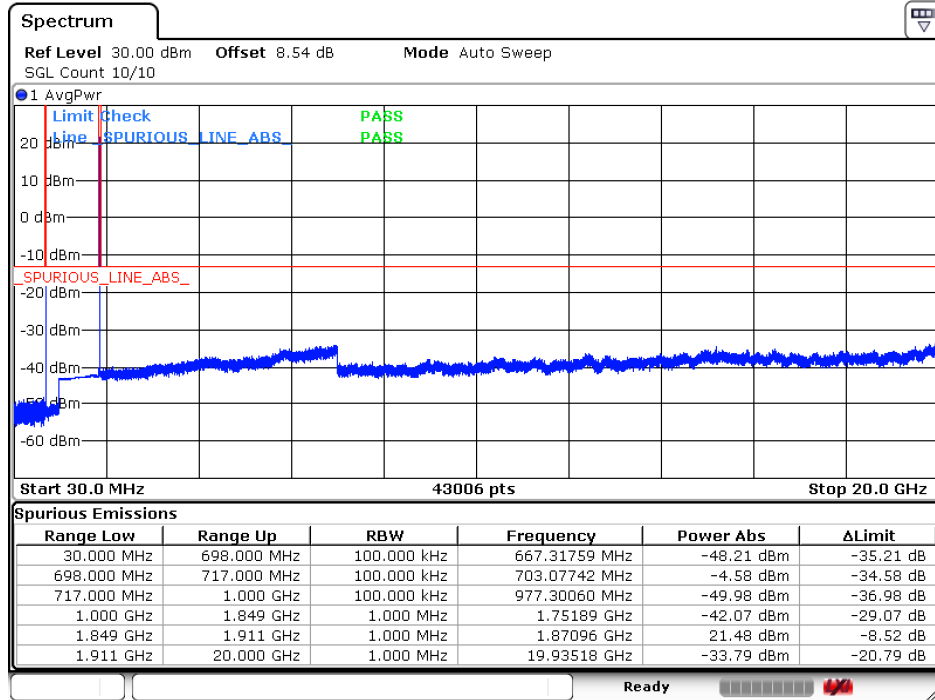
Date: 23.AUG.2020 13:58:53



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Date: 23.AUG.2020 14:49:27



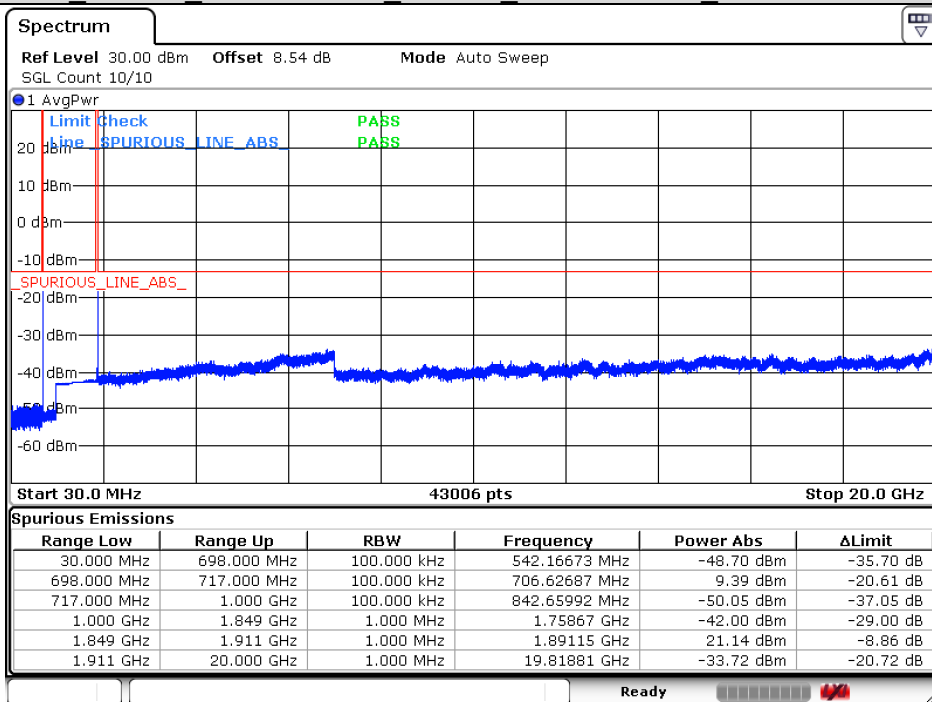
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CA 2A-12A 100RB+50RB 16QAM 19100+23130 1RB#0+1RB#0



Date: 23.AUG.2020 14:47:25



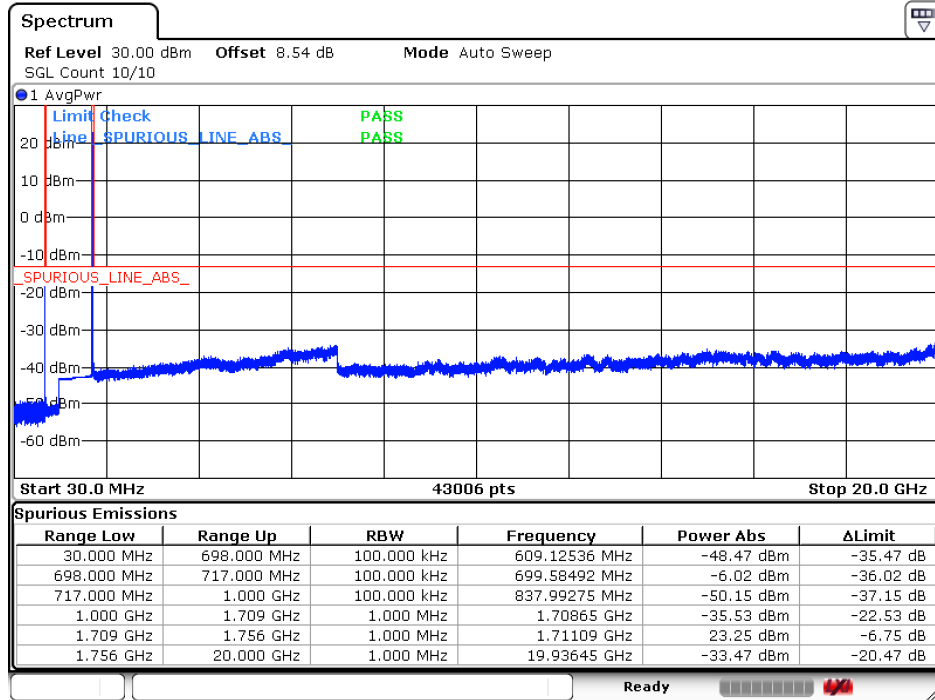
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Date: 23.AUG.2020 15:01:23



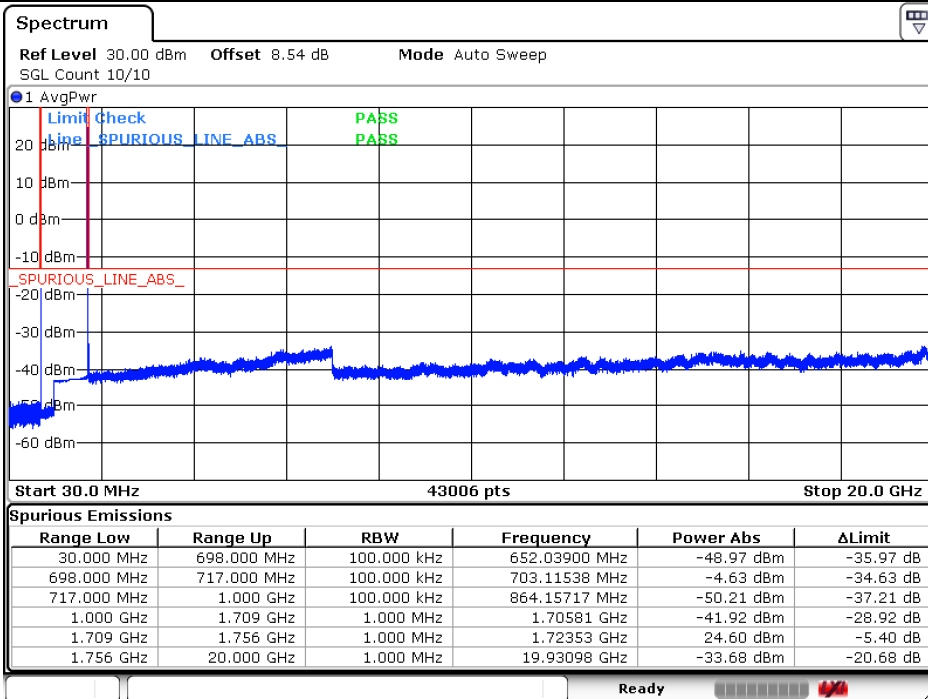
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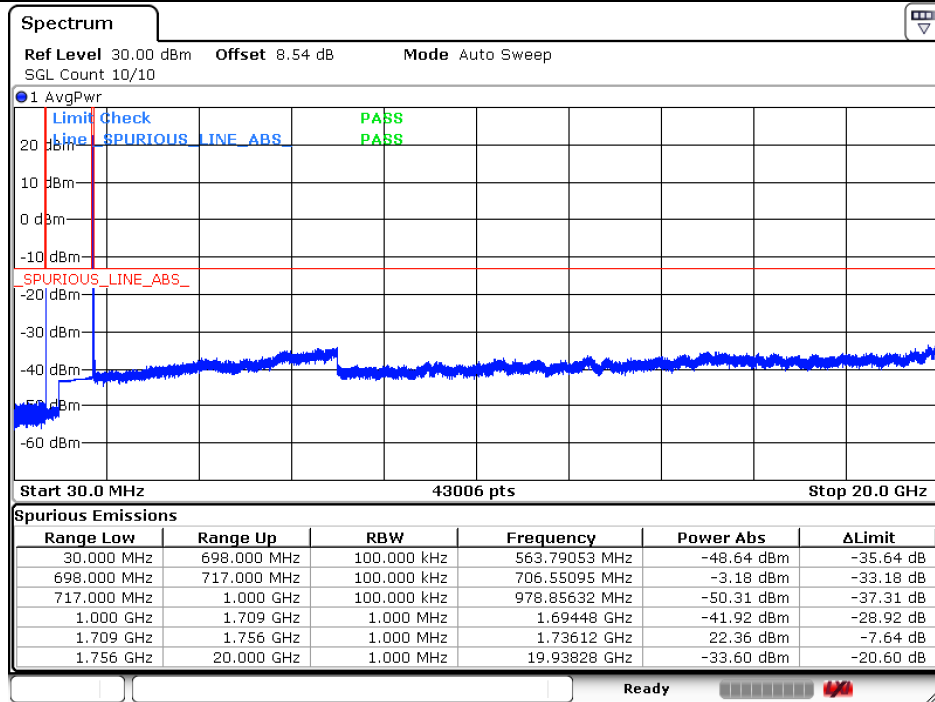
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Date: 23.AUG.2020 15:00:44



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Date: 23.AUG.2020 14:59:41



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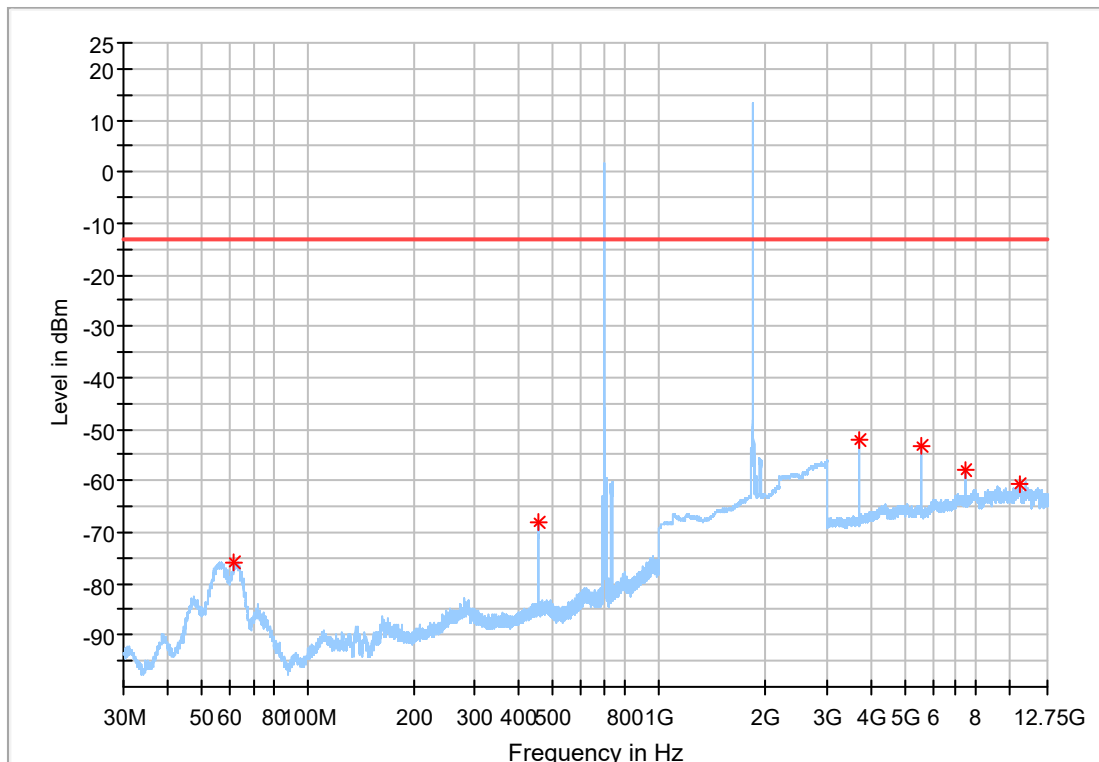
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4 Field Strength of Spurious Radiation

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

4.1.1 Test Channel = LCH_Horizontal

Full Spectrum



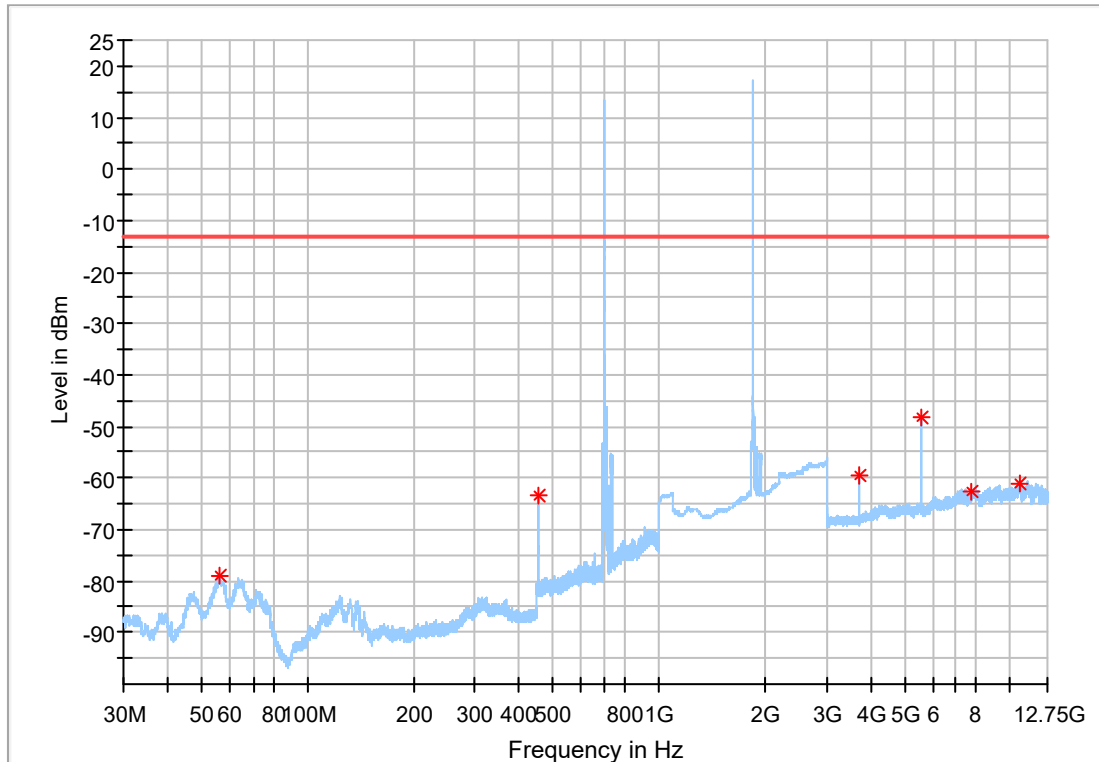
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.100000	-75.68	-13.00	62.68	---	---	200.0	H	354.0	-95.0
451.970833	-68.23	-13.00	55.23	---	---	200.0	H	24.0	-100.9
3702.000000	-52.11	-13.00	39.11	---	---	200.0	H	359.0	-104.7
5553.200000	-53.08	-13.00	40.08	---	---	200.0	H	173.0	-101.5
7404.400000	-58.08	-13.00	45.08	---	---	200.0	H	32.0	-99.8
10640.750000	-60.60	-13.00	47.60	---	---	200.0	H	114.0	-96.5



4.1.2 Test Channel = LCH_Vertical

Full Spectrum

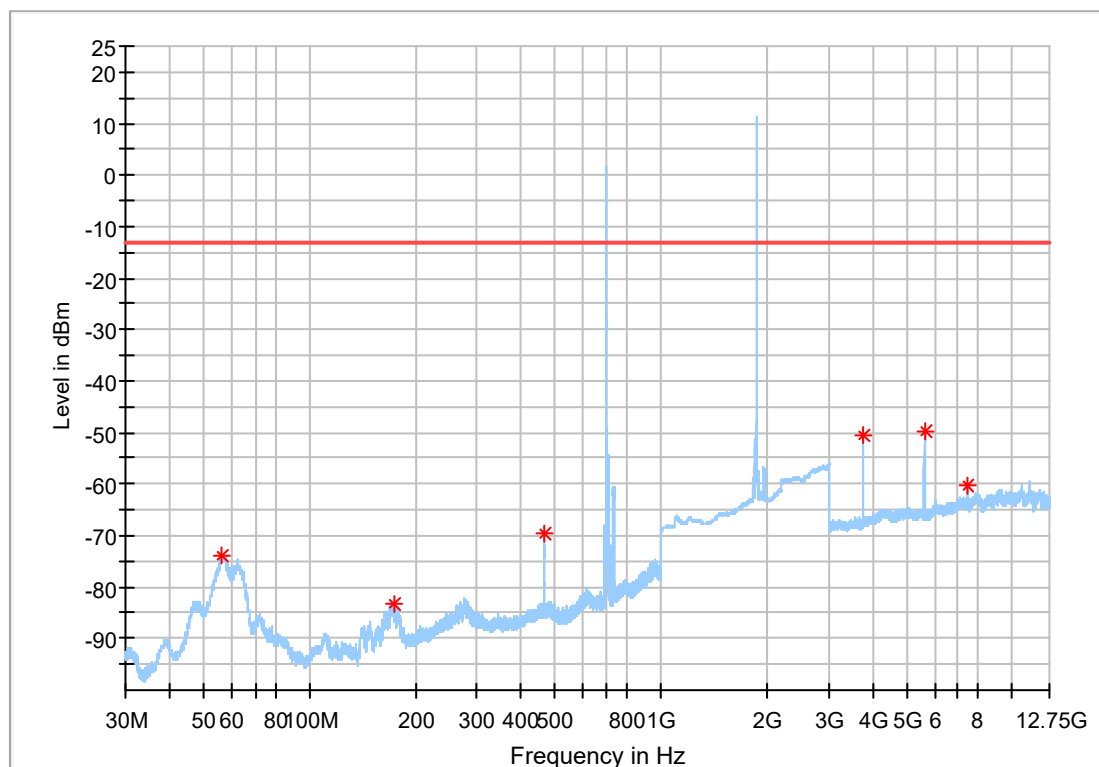
**Critical_Freqs**

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.700000	-78.89	-13.00	65.89	---	---	200.0	V	253.0	-101.2
451.833333	-63.56	-13.00	50.56	---	---	200.0	V	116.0	-101.9
3702.325000	-59.38	-13.00	46.38	---	---	200.0	V	56.0	-104.7
5553.200000	-48.37	-13.00	35.37	---	---	200.0	V	0.0	-101.3
7712.825000	-62.74	-13.00	49.74	---	---	200.0	V	258.0	-98.4
10656.350000	-60.98	-13.00	47.98	---	---	200.0	V	69.0	-96.3



4.1.3 Test Channel = MCH_Horizontal

Full Spectrum



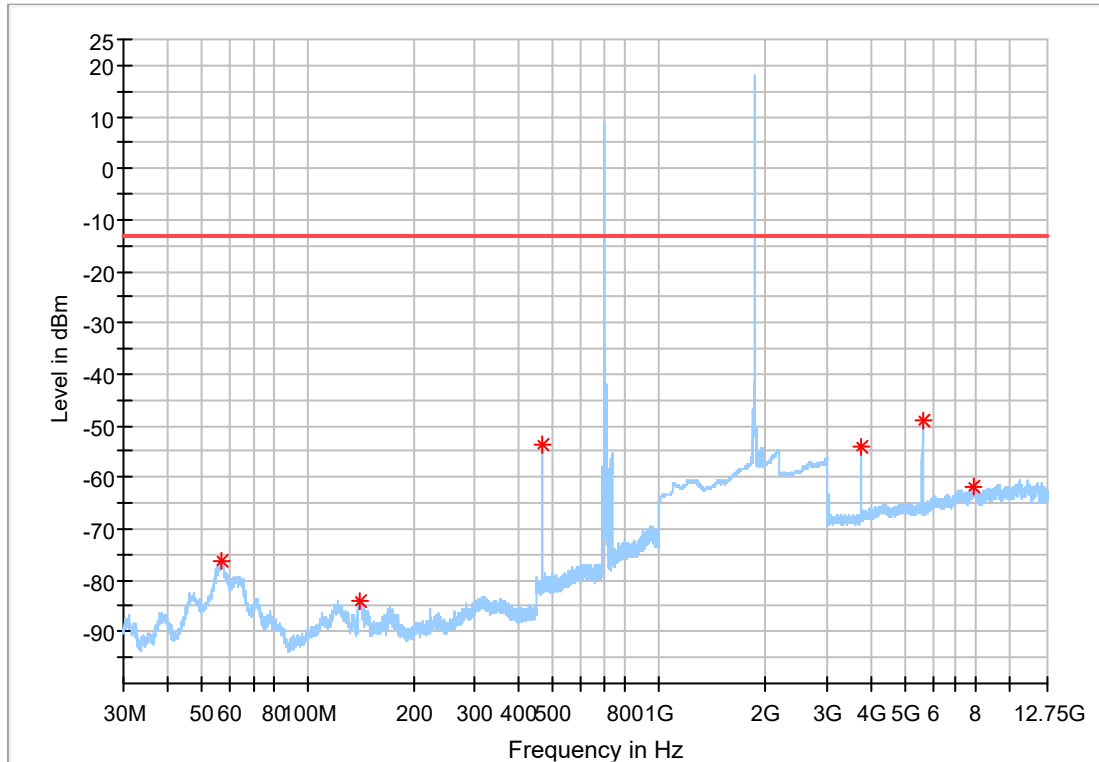
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.250000	-73.78	-13.00	60.78	---	---	200.0	H	0.0	-96.9
173.350000	-83.39	-13.00	70.39	---	---	200.0	H	222.0	-107.1
464.850000	-69.64	-13.00	56.64	---	---	200.0	H	278.0	-101.2
3741.975000	-50.49	-13.00	37.49	---	---	200.0	H	44.0	-104.6
5613.325000	-49.86	-13.00	36.86	---	---	200.0	H	0.0	-101.5
7484.025000	-60.32	-13.00	47.32	---	---	200.0	H	44.0	-99.4



4.1.4 Test Channel = MCH_Vertical

Full Spectrum



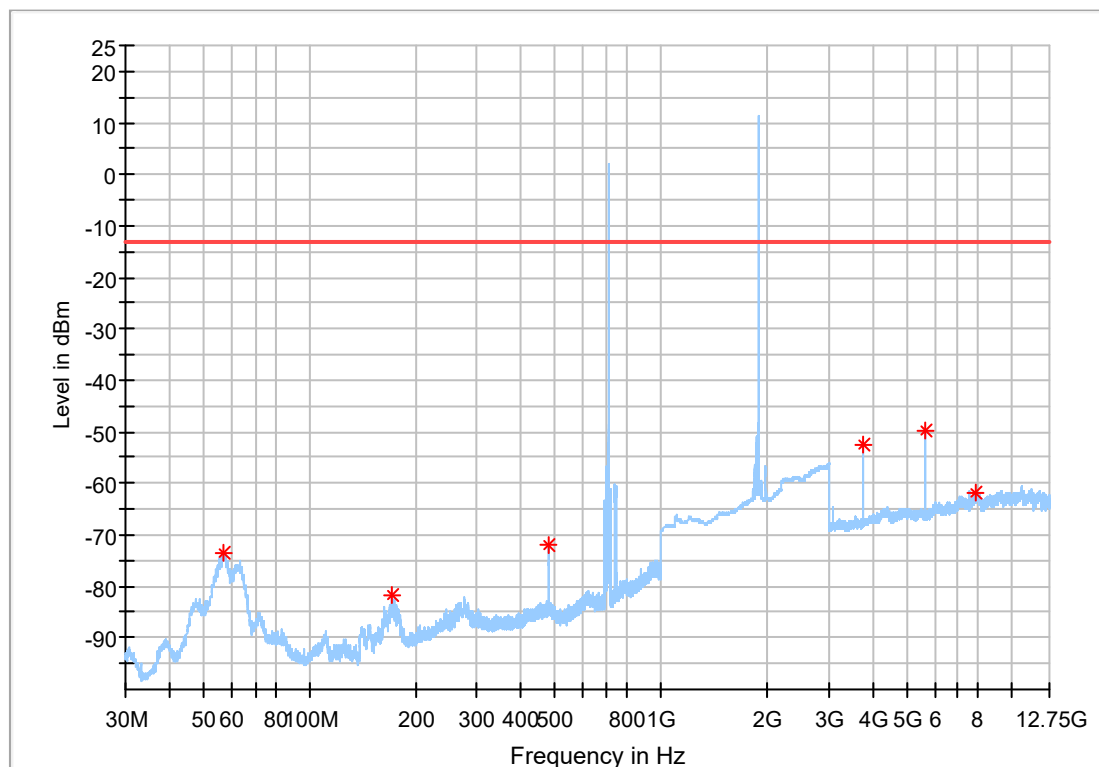
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.800000	-76.11	-13.00	63.11	---	---	200.0	V	0.0	-101.2
141.200000	-84.11	-13.00	71.11	---	---	200.0	V	128.0	-109.1
464.895833	-53.76	-13.00	40.76	---	---	200.0	V	100.0	-102.1
3741.975000	-54.13	-13.00	41.13	---	---	200.0	V	37.0	-104.5
5613.325000	-49.15	-13.00	36.15	---	---	200.0	V	12.0	-101.3
7842.175000	-61.74	-13.00	48.74	---	---	200.0	V	0.0	-98.2



4.1.5 Test Channel = HCH_Horizontal

Full Spectrum



Critical_Freqs

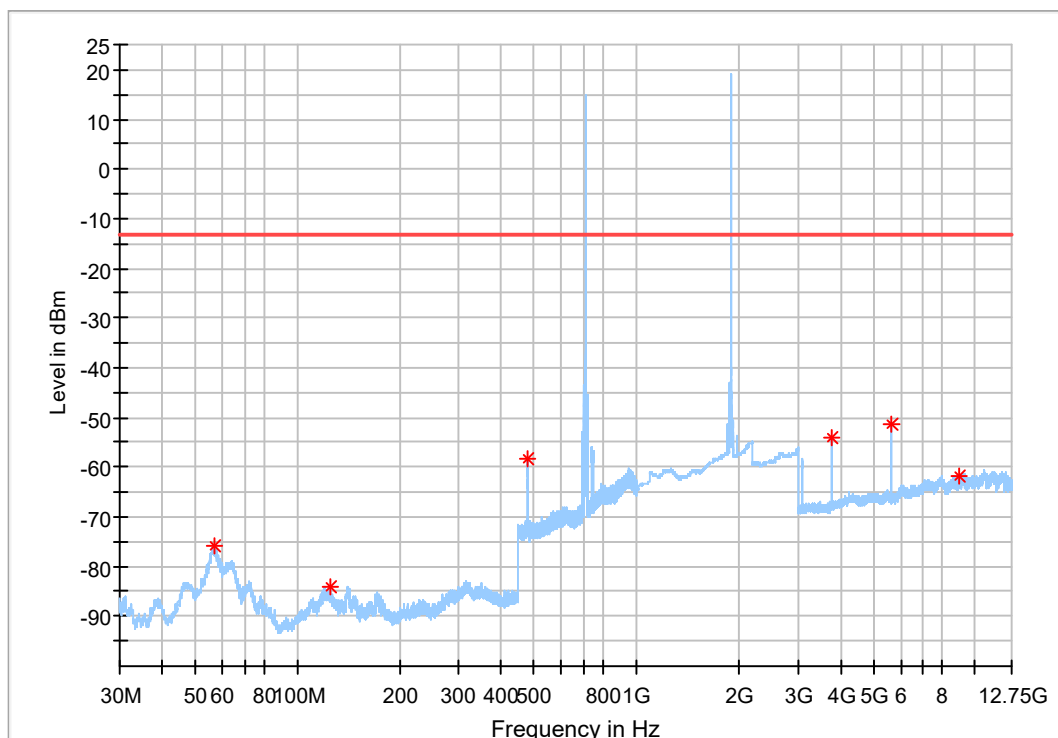
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.950000	-73.67	-13.00	60.67	---	---	200.0	H	1.0	-96.4
171.000000	-81.89	-13.00	68.89	---	---	200.0	H	246.0	-107.2
477.912500	-71.87	-13.00	58.87	---	---	200.0	H	297.0	-100.6
3781.950000	-52.67	-13.00	39.67	---	---	200.0	H	45.0	-104.4
5673.125000	-49.74	-13.00	36.74	---	---	200.0	H	11.0	-101.5
7873.375000	-61.81	-13.00	48.81	---	---	200.0	H	81.0	-98.2



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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)
57.400000	-75.96	-13.00	62.96	---	---	200.0	V	299.0	-101.3
124.950000	-84.02	-13.00	71.02	---	---	200.0	V	2.0	-103.7
477.866667	-58.40	-13.00	45.40	---	---	200.0	V	92.0	-101.5
3782.275000	-54.19	-13.00	41.19	---	---	200.0	V	332.0	-104.3
5673.125000	-51.14	-13.00	38.14	---	---	200.0	V	0.0	-101.4
8916.300000	-61.77	-13.00	48.77	---	---	200.0	V	269.0	-97.4

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



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