



Appendix B

E-UTRA Band 41



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1. Effective (Isotropic) Radiated Power

1.1. Test Result for Down Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	22.24	24.03	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.45	24.24	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.28	24.07	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.42	23.21	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#6	21.33	23.12	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.41	23.20	33.00	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.30	23.09	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.21	24.00	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.27	24.06	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.23	24.02	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#0	21.31	23.10	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.32	23.11	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.28	23.07	33.00	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.30	23.09	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.13	23.92	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.34	24.13	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.10	23.89	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.29	23.08	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.19	22.98	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.28	23.07	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.15	22.94	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#0	20.75	22.54	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#12	20.64	22.43	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#24	20.59	22.38	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#0	19.82	21.61	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#6	19.80	21.59	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#13	19.72	21.51	33.00	PASS
Band41	5MHz	64QAM	40065	25RB#0	19.63	21.42	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#0	20.81	22.60	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#12	20.44	22.23	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#24	20.64	22.43	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#0	19.64	21.43	33.00	PASS



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Band41	5MHz	64QAM	40640	12RB#6	19.47	21.26	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#13	19.56	21.35	33.00	PASS
Band41	5MHz	64QAM	40640	25RB#0	19.64	21.43	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	20.59	22.38	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.45	22.24	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.51	22.30	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	19.43	21.22	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.64	21.43	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	19.72	21.51	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.60	21.39	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#0	21.48	23.27	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#12	21.44	23.23	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.49	23.28	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.42	22.21	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.37	22.16	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.45	22.24	33.00	PASS
Band41	5MHz	16QAM	40065	25RB#0	20.25	22.04	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#0	21.43	23.22	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.26	23.05	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.38	23.17	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.36	22.15	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.32	22.11	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#13	20.33	22.12	33.00	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.29	22.08	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.35	23.14	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.30	23.09	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.32	23.11	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.35	22.14	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.25	22.04	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.33	22.12	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.12	21.91	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.23	24.02	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.32	24.11	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#49	22.24	24.03	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.35	23.14	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.27	23.06	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.35	23.14	33.00	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.35	23.14	33.00	PASS



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Band41	10MHz	QPSK	40640	1RB#0	22.08	23.87	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.33	24.12	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.13	23.92	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.26	23.05	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.28	23.07	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.29	23.08	33.00	PASS
Band41	10MHz	QPSK	40640	50RB#0	21.16	22.95	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.04	23.83	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.15	23.94	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.07	23.86	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.23	23.02	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.24	23.03	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.23	23.02	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.11	22.90	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#0	20.48	22.27	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#24	20.81	22.60	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#49	20.46	22.25	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#0	19.57	21.36	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#12	19.81	21.60	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#25	19.70	21.49	33.00	PASS
Band41	10MHz	64QAM	40090	50RB#0	19.83	21.62	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#0	20.72	22.51	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#24	20.66	22.45	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#49	20.54	22.33	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#0	19.45	21.24	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#12	19.44	21.23	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#25	19.76	21.55	33.00	PASS
Band41	10MHz	64QAM	40640	50RB#0	19.47	21.26	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	20.73	22.52	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	20.66	22.45	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.81	22.60	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	19.48	21.27	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.74	21.53	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	19.78	21.57	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.79	21.58	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.46	23.25	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#24	21.31	23.10	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.45	23.24	33.00	PASS



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Band41	10MHz	16QAM	40090	25RB#0	20.31	22.10	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#12	20.22	22.01	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.29	22.08	33.00	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.21	22.00	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#0	21.28	23.07	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#24	21.33	23.12	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.35	23.14	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.24	22.03	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.18	21.97	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.26	22.05	33.00	PASS
Band41	10MHz	16QAM	40640	50RB#0	20.11	21.90	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.27	23.06	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.16	22.95	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.28	23.07	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.21	22.00	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.14	21.93	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.19	21.98	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.05	21.84	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#0	22.21	24.00	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#38	22.29	24.08	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#74	22.20	23.99	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#0	21.29	23.08	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#18	21.27	23.06	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#39	21.34	23.13	33.00	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.24	23.03	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.05	23.84	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.29	24.08	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#74	22.11	23.90	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#0	21.24	23.03	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#18	21.17	22.96	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#39	21.13	22.92	33.00	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.17	22.96	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.02	23.81	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.21	24.00	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.02	23.81	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#0	20.99	22.78	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.15	22.94	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#39	21.20	22.99	33.00	PASS



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Band41	15MHz	QPSK	41165	75RB#0	21.10	22.89	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#0	20.45	22.24	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#38	20.72	22.51	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#74	20.49	22.28	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#0	19.67	21.46	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#18	19.48	21.27	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#39	19.52	21.31	33.00	PASS
Band41	15MHz	64QAM	40115	75RB#0	19.80	21.59	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#0	20.62	22.41	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#38	20.60	22.39	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#74	20.74	22.53	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#0	19.72	21.51	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#18	19.76	21.55	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#39	19.45	21.24	33.00	PASS
Band41	15MHz	64QAM	40640	75RB#0	19.48	21.27	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	20.69	22.48	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	20.60	22.39	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.81	22.60	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#0	19.45	21.24	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.81	21.60	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#39	19.57	21.36	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.82	21.61	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.44	23.23	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#38	21.50	23.29	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#74	21.40	23.19	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#0	20.21	22.00	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#18	20.18	21.97	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#39	20.24	22.03	33.00	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.17	21.96	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#0	21.20	22.99	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.52	23.31	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.24	23.03	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#0	20.17	21.96	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#18	20.09	21.88	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#39	20.05	21.84	33.00	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.11	21.90	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.26	23.05	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.44	23.23	33.00	PASS



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Band41	15MHz	16QAM	41165	1RB#74	21.22	23.01	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#0	19.93	21.72	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.07	21.86	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#39	20.12	21.91	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.05	21.84	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#0	22.16	23.95	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#49	22.27	24.06	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#99	22.27	24.06	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#0	21.34	23.13	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#25	21.23	23.02	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#50	21.29	23.08	33.00	PASS
Band41	20MHz	QPSK	40140	100RB#0	21.28	23.07	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.13	23.92	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.25	24.04	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#99	22.20	23.99	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#0	21.22	23.01	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.14	22.93	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#50	21.16	22.95	33.00	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.19	22.98	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.28	24.07	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	22.13	23.92	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.17	23.96	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.01	22.80	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.08	22.87	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.15	22.94	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	20.94	22.73	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#0	20.72	22.51	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#49	20.47	22.26	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#99	20.59	22.38	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#0	19.65	21.44	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#25	19.44	21.23	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#50	19.46	21.25	33.00	PASS
Band41	20MHz	64QAM	40140	100RB#0	19.76	21.55	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#0	20.55	22.34	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#49	20.44	22.23	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.81	22.60	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#0	19.46	21.25	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#25	19.68	21.47	33.00	PASS



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Band41	20MHz	64QAM	40640	50RB#50	19.57	21.36	33.00	PASS
Band41	20MHz	64QAM	40640	100RB#0	19.62	21.41	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	20.43	22.22	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	20.80	22.59	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.55	22.34	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.48	21.27	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	19.81	21.60	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	19.53	21.32	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.55	21.34	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#0	21.35	23.14	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#49	21.23	23.02	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#99	21.48	23.27	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#0	20.20	21.99	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#25	20.16	21.95	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.23	22.02	33.00	PASS
Band41	20MHz	16QAM	40140	100RB#0	20.23	22.02	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#0	21.30	23.09	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#49	21.26	23.05	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#99	21.42	23.21	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#0	20.17	21.96	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.09	21.88	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#50	20.10	21.89	33.00	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.07	21.86	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	21.44	23.23	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	21.03	22.82	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.32	23.11	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	19.93	21.72	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.02	21.81	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.09	21.88	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	19.90	21.69	33.00	PASS

1.2. Test Result for Upn Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	22.16	20.78	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.12	20.74	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.29	20.91	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.04	19.66	33.00	PASS



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Band41	5MHz	QPSK	40065	12RB#6	20.94	19.56	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.07	19.69	33.00	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.21	19.83	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.19	20.81	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.27	20.89	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.25	20.87	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#0	20.94	19.56	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.04	19.66	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.18	19.80	33.00	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.28	19.90	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.31	20.93	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.09	20.71	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.28	20.90	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.18	19.80	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.23	19.85	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	20.99	19.61	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.26	19.88	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#0	20.32	18.94	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#12	20.28	18.90	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#24	20.25	18.87	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#0	19.26	17.88	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#6	19.14	17.76	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#13	19.15	17.77	33.00	PASS
Band41	5MHz	64QAM	40065	25RB#0	19.05	17.67	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#0	20.10	18.72	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#12	20.05	18.67	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#24	20.16	18.78	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#0	19.17	17.79	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#6	19.10	17.72	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#13	19.19	17.81	33.00	PASS
Band41	5MHz	64QAM	40640	25RB#0	19.05	17.67	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	20.07	18.69	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.09	18.71	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.28	18.90	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	19.32	17.94	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.19	17.81	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	19.18	17.80	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.02	17.64	33.00	PASS



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Band41	5MHz	16QAM	40065	1RB#0	21.03	19.65	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#12	21.32	19.94	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.17	19.79	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.00	18.62	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.12	18.74	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.07	18.69	33.00	PASS
Band41	5MHz	16QAM	40065	25RB#0	19.96	18.58	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#0	21.30	19.92	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.21	19.83	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.14	19.76	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.12	18.74	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.26	18.88	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#13	20.25	18.87	33.00	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.24	18.86	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.14	19.76	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	20.97	19.59	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.30	19.92	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.07	18.69	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	19.96	18.58	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	19.94	18.56	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.03	18.65	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.04	20.66	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.31	20.93	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#49	21.99	20.61	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.29	19.91	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.24	19.86	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.29	19.91	33.00	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.30	19.92	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#0	22.06	20.68	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.24	20.86	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.30	20.92	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.19	19.81	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.01	19.63	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.05	19.67	33.00	PASS
Band41	10MHz	QPSK	40640	50RB#0	20.99	19.61	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.03	20.65	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.12	20.74	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.11	20.73	33.00	PASS



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Band41	10MHz	QPSK	41190	25RB#0	20.96	19.58	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.20	19.82	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.16	19.78	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.26	19.88	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#0	20.09	18.71	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#24	20.22	18.84	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#49	20.20	18.82	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#0	19.06	17.68	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#12	18.98	17.60	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#25	19.19	17.81	33.00	PASS
Band41	10MHz	64QAM	40090	50RB#0	19.13	17.75	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#0	20.26	18.88	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#24	20.25	18.87	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#49	20.16	18.78	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#0	19.13	17.75	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#12	19.19	17.81	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#25	19.08	17.70	33.00	PASS
Band41	10MHz	64QAM	40640	50RB#0	19.28	17.90	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	20.05	18.67	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	20.31	18.93	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.07	18.69	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	19.22	17.84	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.25	17.87	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	19.07	17.69	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.08	17.70	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#0	20.94	19.56	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#24	20.94	19.56	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#49	20.94	19.56	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#0	19.94	18.56	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#12	19.98	18.60	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.32	18.94	33.00	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.09	18.71	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#0	21.08	19.70	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#24	21.00	19.62	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.28	19.90	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.27	18.89	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.28	18.90	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.33	18.95	33.00	PASS



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Band41	10MHz	16QAM	40640	50RB#0	20.02	18.64	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.04	19.66	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.11	19.73	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.23	19.85	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.12	18.74	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.16	18.78	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.12	18.74	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.27	18.89	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#0	22.09	20.71	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#38	22.02	20.64	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#74	21.98	20.60	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#0	21.07	19.69	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#18	21.24	19.86	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#39	21.16	19.78	33.00	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.04	19.66	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.25	20.87	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.07	20.69	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#74	21.96	20.58	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#0	20.99	19.61	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#18	21.22	19.84	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#39	21.30	19.92	33.00	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.10	19.72	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	21.96	20.58	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.22	20.84	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.32	20.94	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.00	19.62	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#18	20.97	19.59	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#39	20.94	19.56	33.00	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.14	19.76	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#0	20.21	18.83	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#38	20.15	18.77	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#74	20.23	18.85	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#0	18.94	17.56	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#18	19.31	17.93	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#39	19.26	17.88	33.00	PASS
Band41	15MHz	64QAM	40115	75RB#0	19.05	17.67	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#0	20.06	18.68	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#38	19.93	18.55	33.00	PASS



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Band41	15MHz	64QAM	40640	1RB#74	20.23	18.85	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#0	19.25	17.87	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#18	19.06	17.68	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#39	19.09	17.71	33.00	PASS
Band41	15MHz	64QAM	40640	75RB#0	19.33	17.95	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	20.16	18.78	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	20.24	18.86	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.16	18.78	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#0	19.11	17.73	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.00	17.62	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#39	19.04	17.66	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	18.97	17.59	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.18	19.80	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#38	21.08	19.70	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#74	21.17	19.79	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#0	20.20	18.82	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#18	20.21	18.83	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#39	20.03	18.65	33.00	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.17	18.79	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#0	21.10	19.72	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.10	19.72	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.24	19.86	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#0	20.24	18.86	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#18	20.00	18.62	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#39	20.26	18.88	33.00	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.25	18.87	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.02	19.64	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.25	19.87	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.09	19.71	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.06	18.68	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.02	18.64	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#39	19.98	18.60	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.23	18.85	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#0	21.98	20.60	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#49	21.99	20.61	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#99	22.27	20.89	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#0	21.27	19.89	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#25	20.96	19.58	33.00	PASS



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Band41	20MHz	QPSK	40140	50RB#50	21.18	19.80	33.00	PASS
Band41	20MHz	QPSK	40140	100RB#0	20.96	19.58	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.22	20.84	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.11	20.73	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#99	22.17	20.79	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#0	21.19	19.81	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.14	19.76	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#50	21.13	19.75	33.00	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.14	19.76	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.15	20.77	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	21.99	20.61	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.12	20.74	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.26	19.88	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.12	19.74	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.03	19.65	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.17	19.79	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#0	20.10	18.72	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#49	20.20	18.82	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#99	20.17	18.79	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#0	19.04	17.66	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#25	19.12	17.74	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#50	18.96	17.58	33.00	PASS
Band41	20MHz	64QAM	40140	100RB#0	18.99	17.61	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#0	20.32	18.94	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#49	19.93	18.55	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.28	18.90	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#0	19.05	17.67	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#25	19.15	17.77	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#50	19.05	17.67	33.00	PASS
Band41	20MHz	64QAM	40640	100RB#0	18.97	17.59	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	20.15	18.77	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	20.19	18.81	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	19.97	18.59	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.14	17.76	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	19.10	17.72	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	19.28	17.90	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.27	17.89	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#0	21.21	19.83	33.00	PASS



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Band41	20MHz	16QAM	40140	1RB#49	20.99	19.61	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#99	20.95	19.57	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#0	20.04	18.66	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#25	20.04	18.66	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.15	18.77	33.00	PASS
Band41	20MHz	16QAM	40140	100RB#0	20.06	18.68	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#0	21.15	19.77	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#49	21.02	19.64	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#99	21.14	19.76	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#0	20.04	18.66	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.11	18.73	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#50	20.08	18.70	33.00	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.31	18.93	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.93	19.55	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.98	19.60	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	20.93	19.55	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	19.97	18.59	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.17	18.79	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.33	18.95	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	20.06	18.68	33.00	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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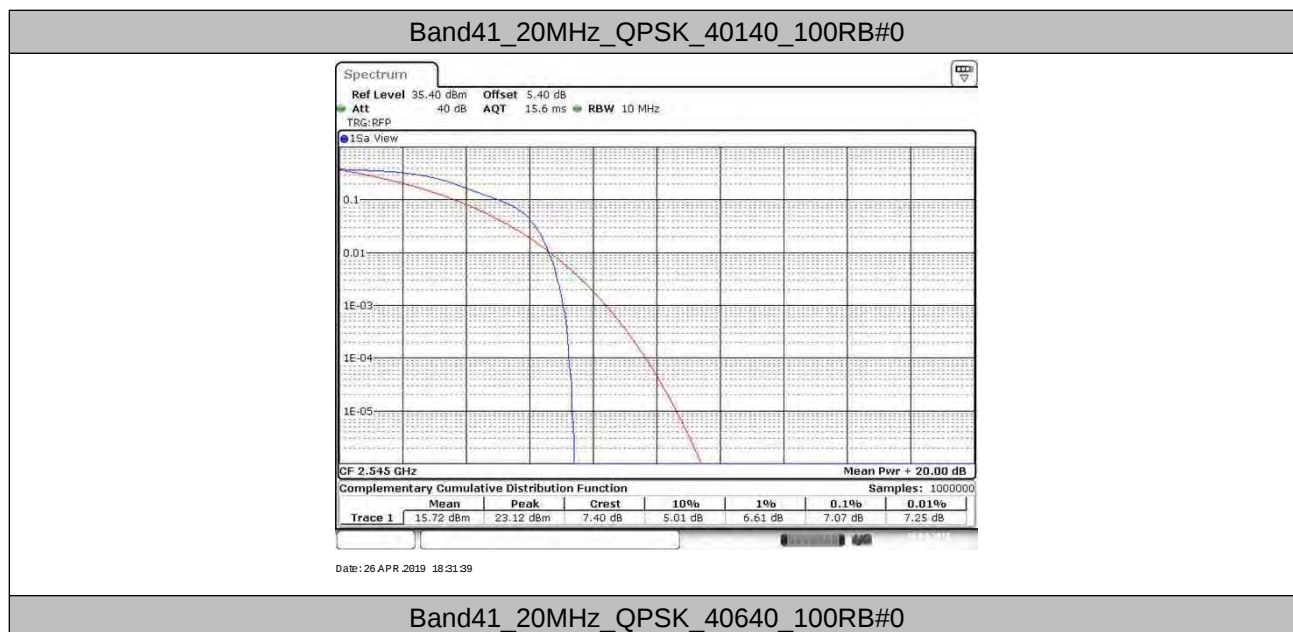


2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

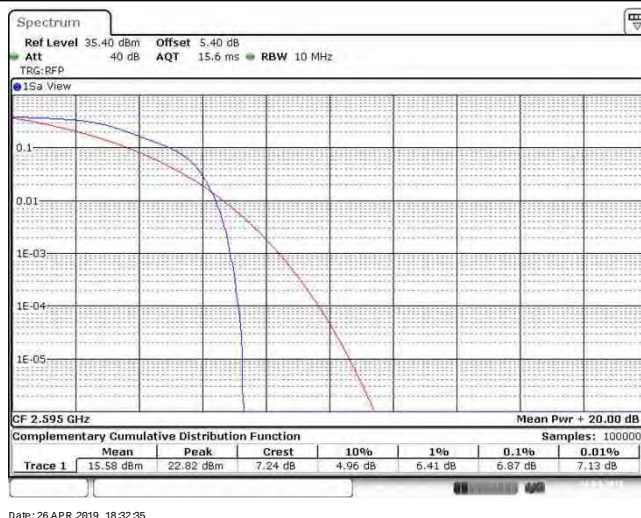
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	7.07	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	6.87	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	9.07	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	5.59	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	9.04	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	9.62	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	8.03	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	9.10	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	6.35	13	PASS

2.2. Test Plots



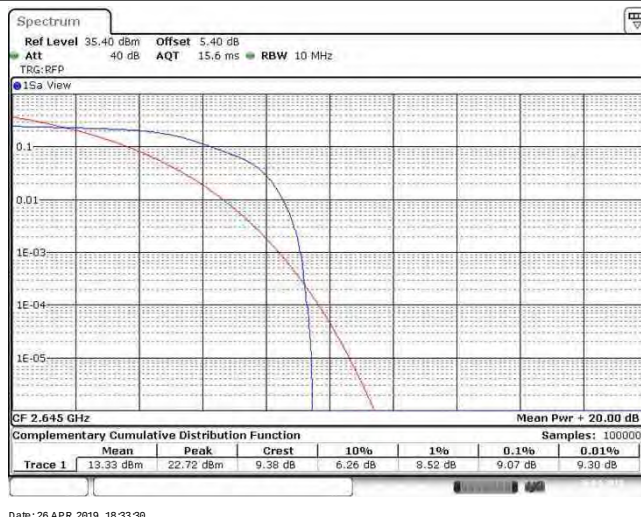
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Date: 26 APR 2019 18:32:35

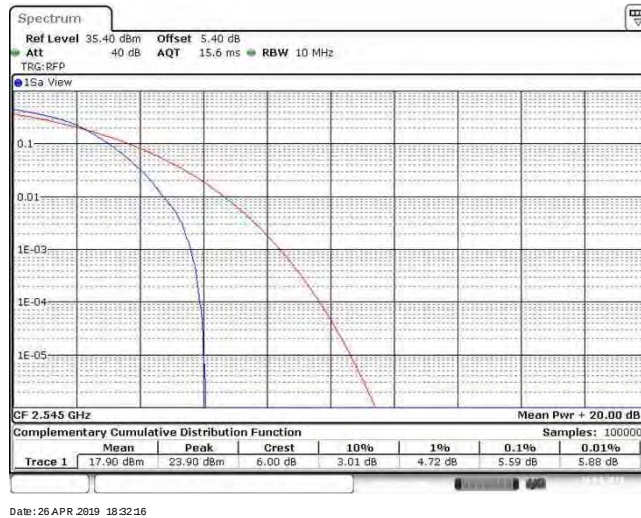
Band41_20MHz_QPSK_41140_100RB#0



Date: 26 APR 2019 18:33:38

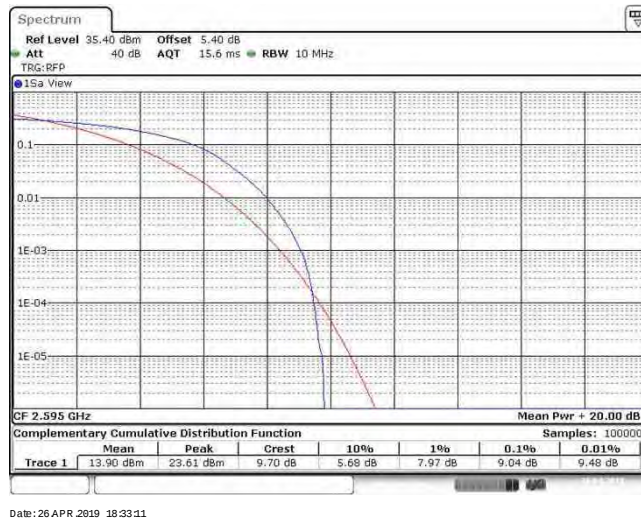
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Date: 26 APR 2019 18:32:16

Band41_20MHz_64QAM_40640_100RB#0



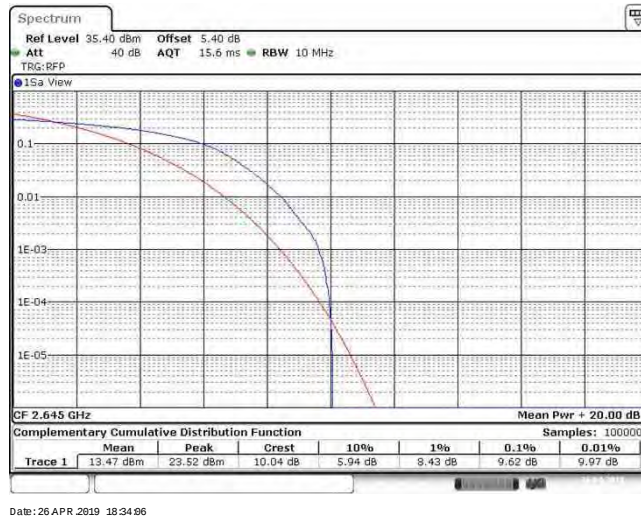
Date: 26 APR 2019 18:33:11

Band41_20MHz_64QAM_41140_100RB#0



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Date: 26 APR 2019 18:34:06

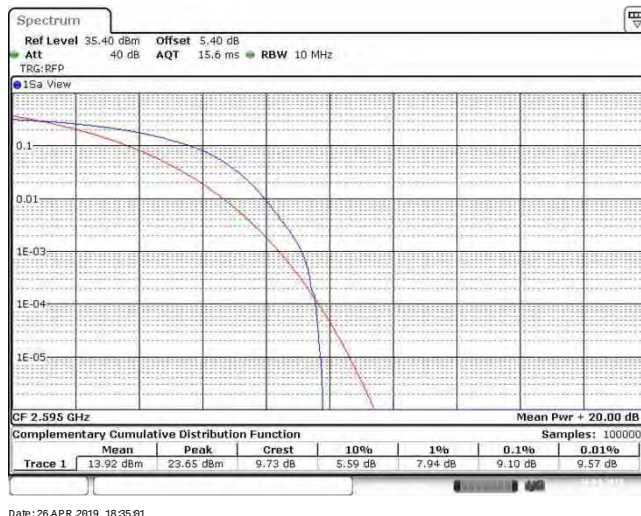
Band41_20MHz_16QAM_40140_100RB#0



Date: 26 APR 2019 18:34:43

Band41_20MHz_16QAM_40640_100RB#0





Date: 26 APR 2019 18:25:01

Band41_20MHz_16QAM_41140_100RB#0



Date: 26 APR 2019 18:25:46



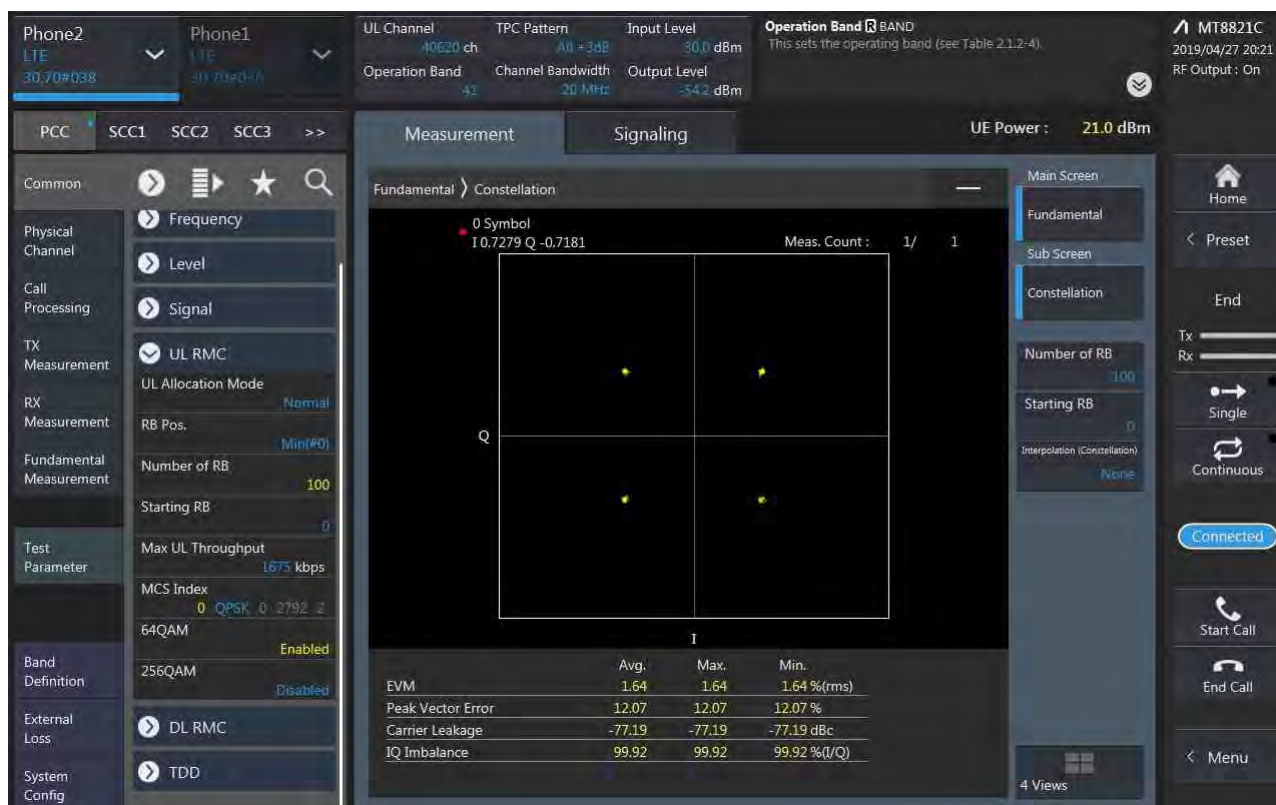


3. Modulation Characteristics

3.1. Test BAND = LTE Band 41

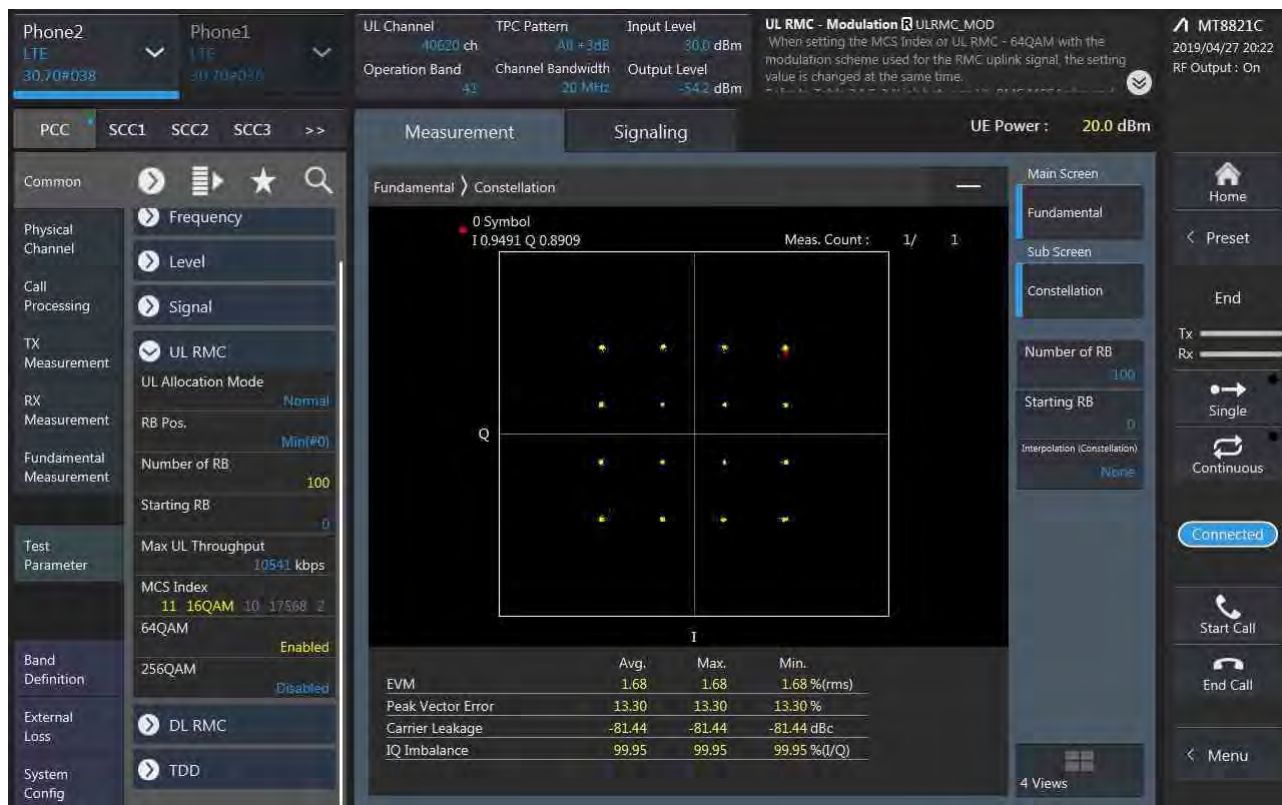
3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



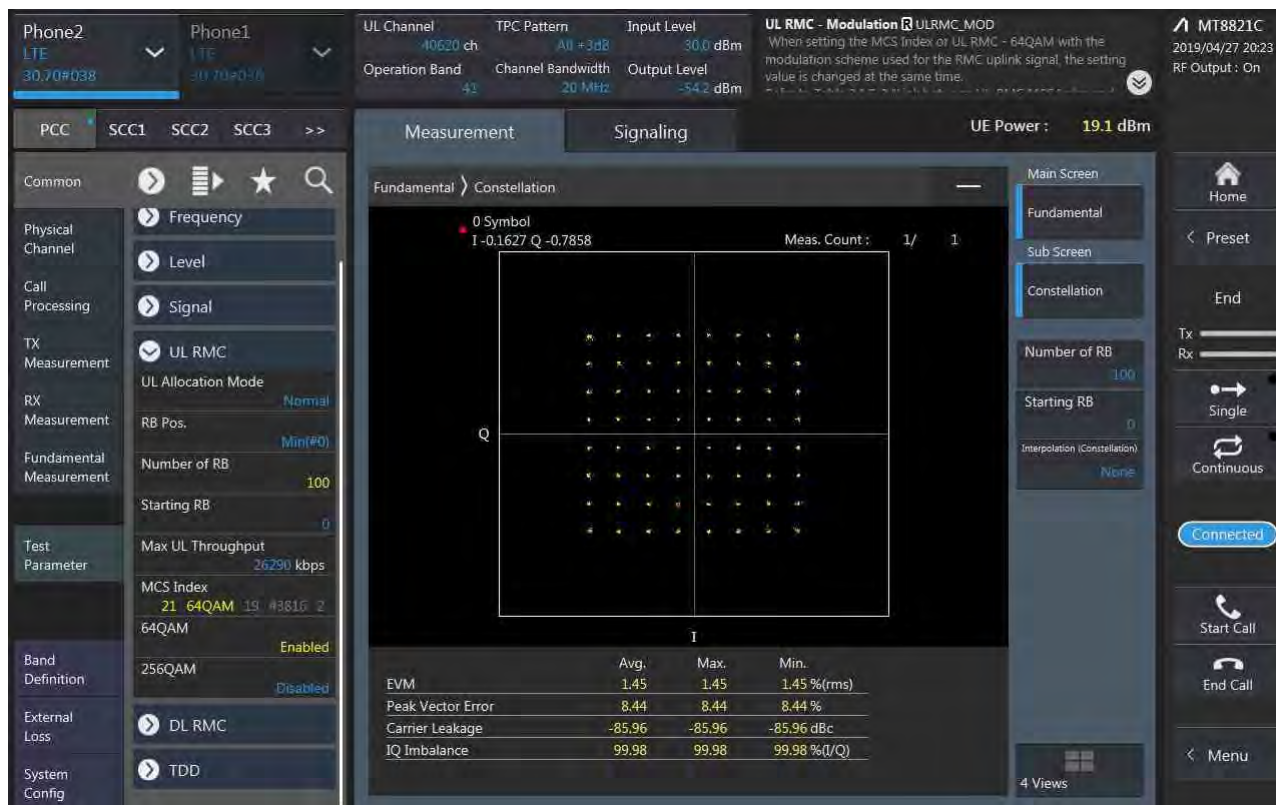
3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH



3.4. Test Mode = LTE /TM3 20MHz

3.4.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40065	25RB#0	4.466	4.910	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.466	4.900	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.466	4.890	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.466	4.940	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.466	4.920	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.466	4.920	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.486	4.900	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.476	4.890	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.466	4.880	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.951	9.720	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.951	9.720	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.911	9.720	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.951	9.800	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.951	9.780	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.951	9.760	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.951	9.820	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.951	9.800	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.951	9.780	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.546	15.090	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.516	15.030	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.516	15.030	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.487	14.970	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.516	15.000	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.487	14.970	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.487	15.030	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.487	15.030	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.487	15.000	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.902	19.760	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.902	19.640	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.862	19.640	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.902	19.480	PASS



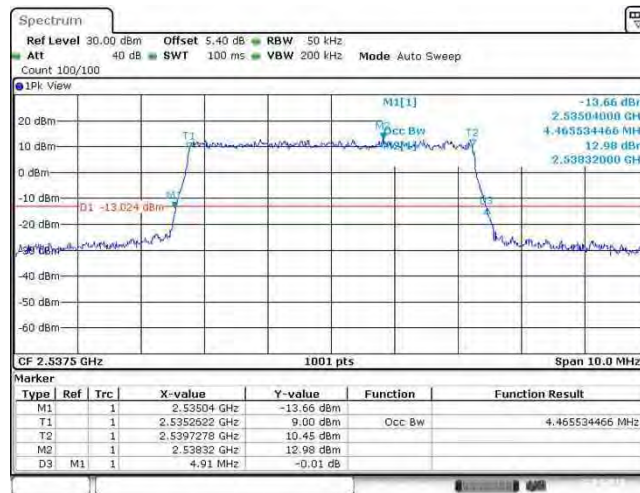
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Band41	20MHz	64QAM	40640	100RB#0	17.862	19.560	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.902	19.480	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.942	19.720	PASS
Band41	20MHz	16QAM	40640	100RB#0	17.942	19.640	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.902	19.680	PASS

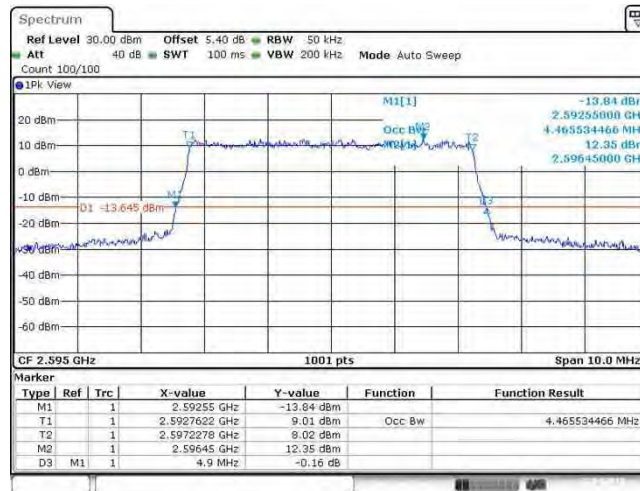
4.2. Test Plots

Band41_5MHz_QPSK_40065_25RB#0



Date: 22 APR 2019 21:52:12

Band41_5MHz_QPSK_40640_25RB#0



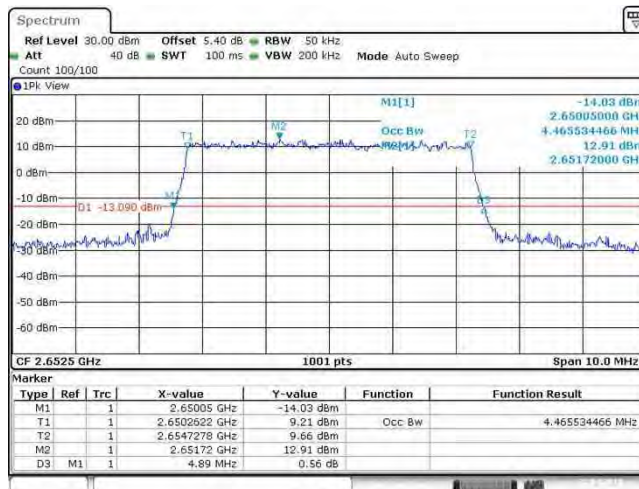
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Band41_5MHz_QPSK_41215_25RB#0



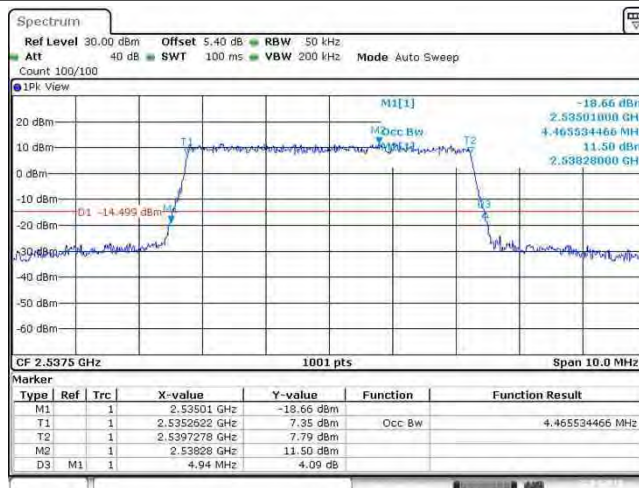
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Date: 22 APR 2019 21:54:10

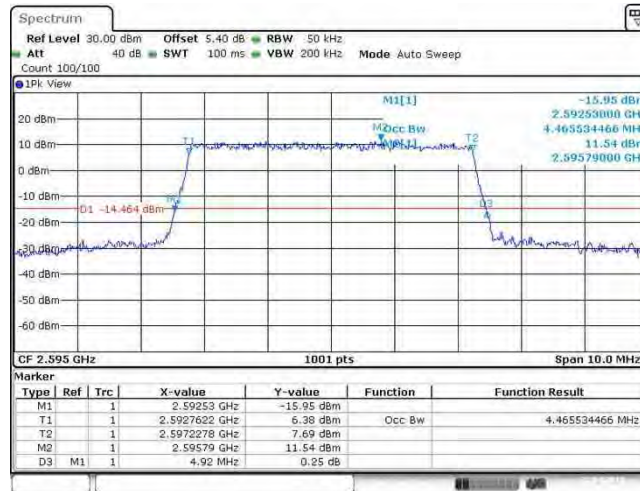
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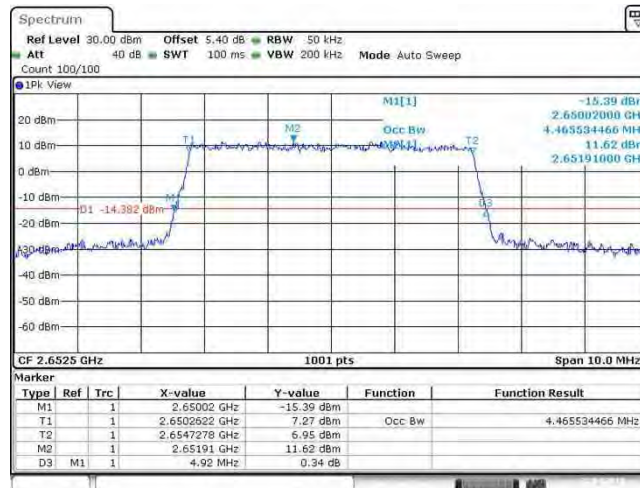
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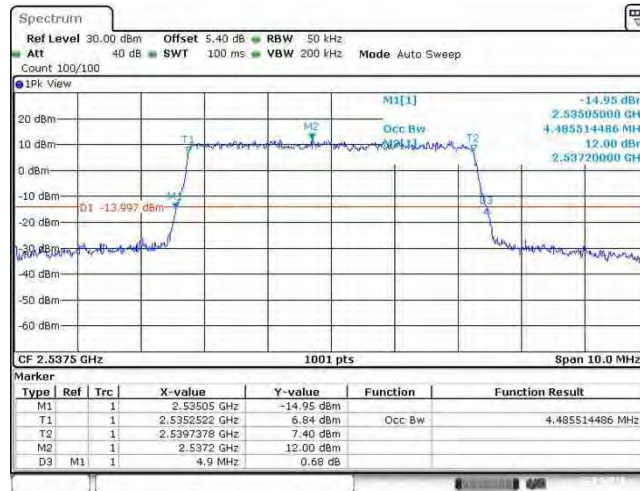
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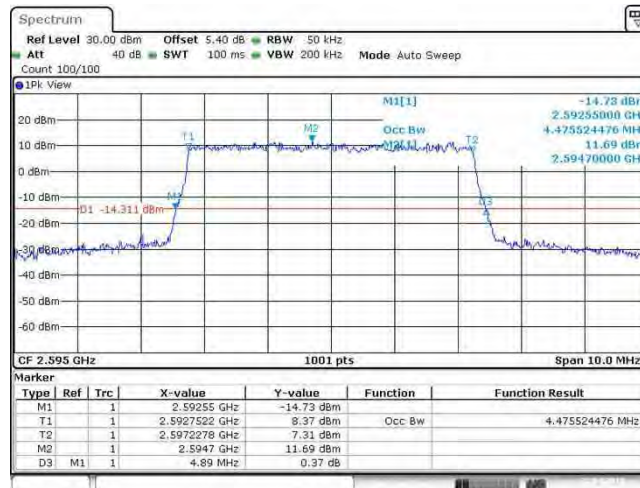
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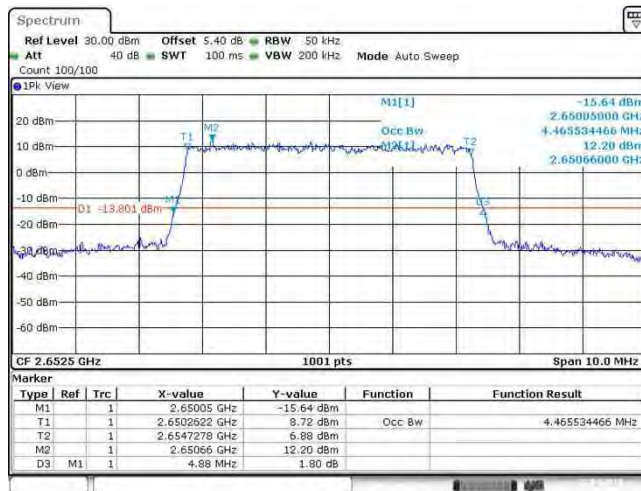
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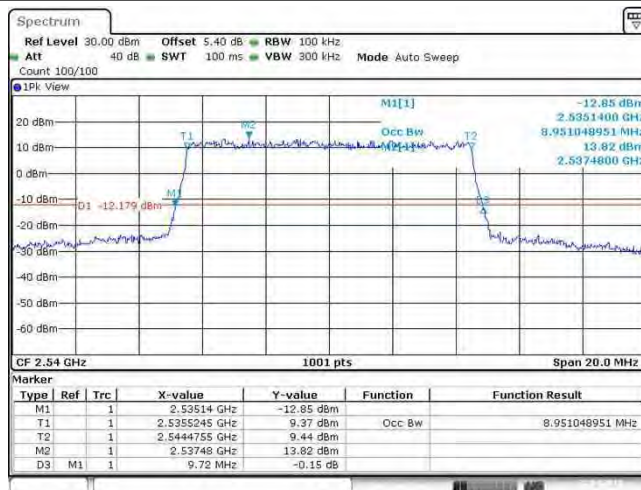
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Date: 22 APR 2019 21:54:38

Band41_10MHz_QPSK_40090_50RB#0



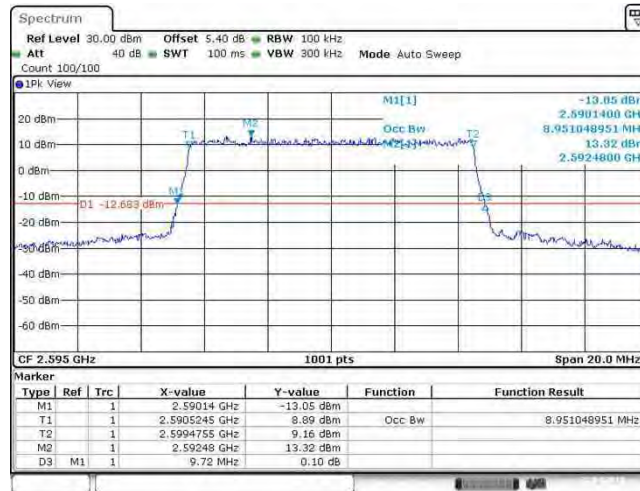
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Band41_10MHz_QPSK_40640_50RB#0



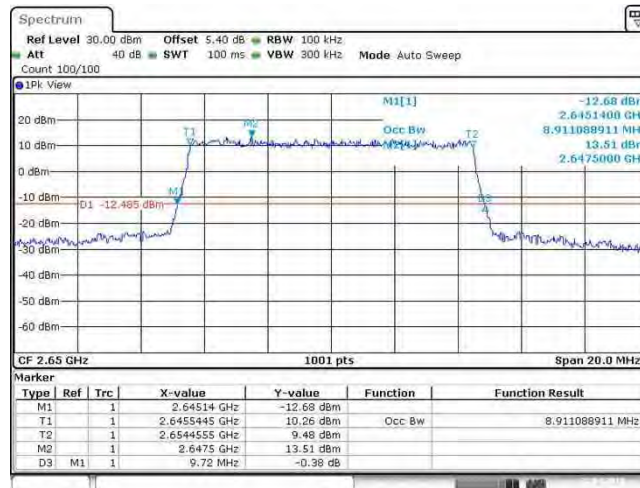
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Date: 22 APR 2019 21:56:10

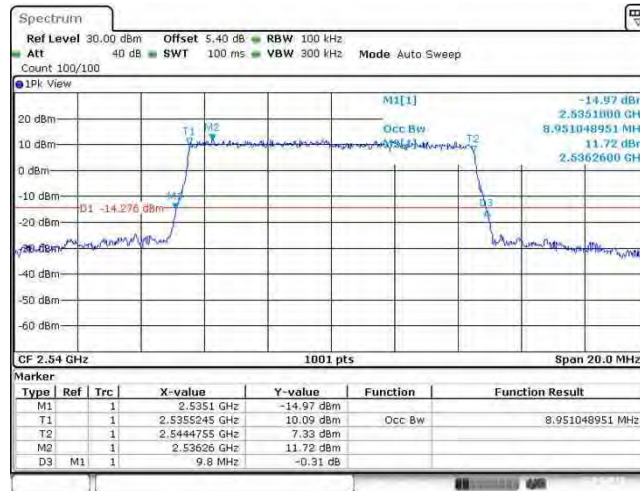
Band41_10MHz_QPSK_41190_50RB#0



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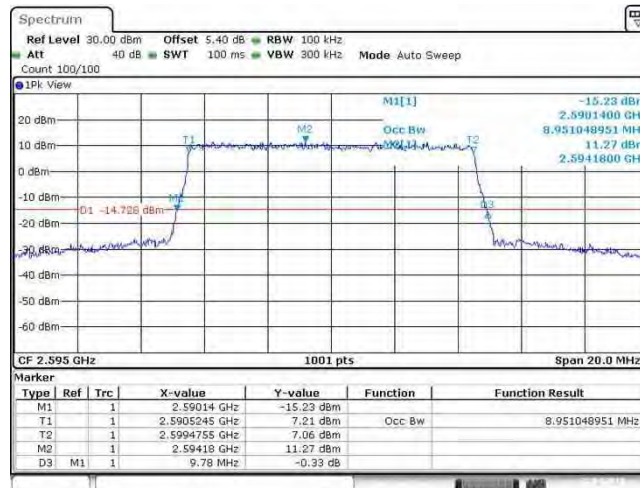
Band41_10MHz_64QAM_40090_50RB#0





Date: 22 APR 2019 21:55:58

Band41_10MHz_64QAM_40640_50RB#0



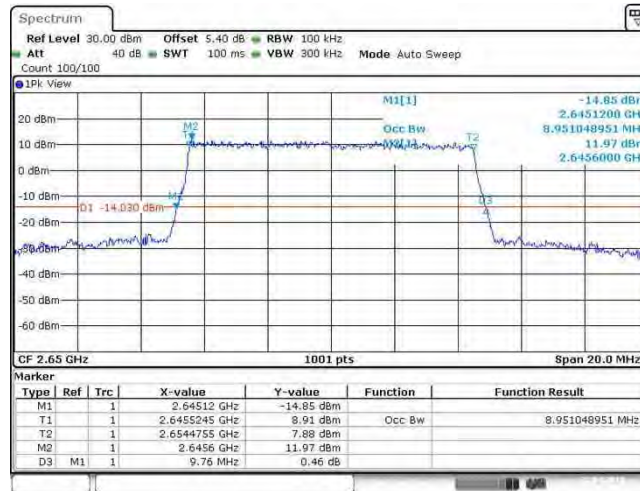
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Band41_10MHz_64QAM_41190_50RB#0



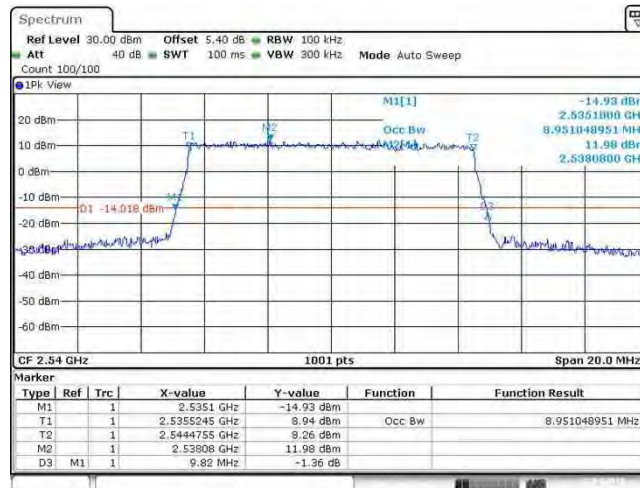
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Date: 22 APR 2019 21:57:48

Band41_10MHz_16QAM_40090_50RB#0



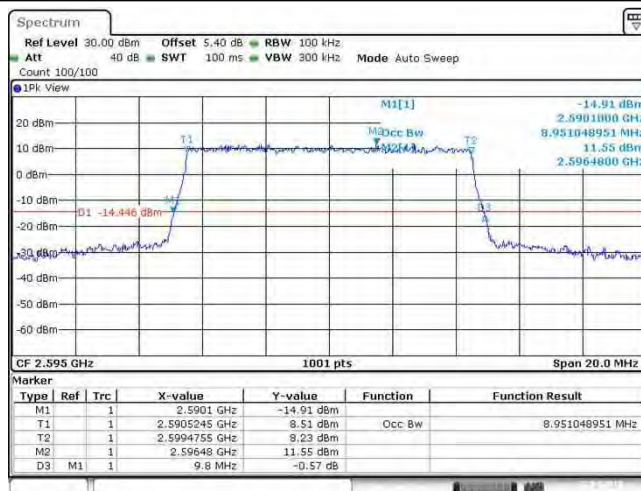
Date: 22 APR 2019 21:55:38

Band41_10MHz_16QAM_40640_50RB#0



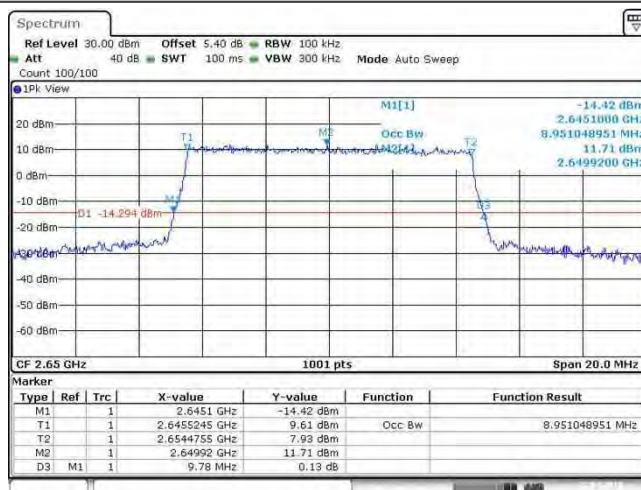
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Date: 22 APR 2019 21:56:29

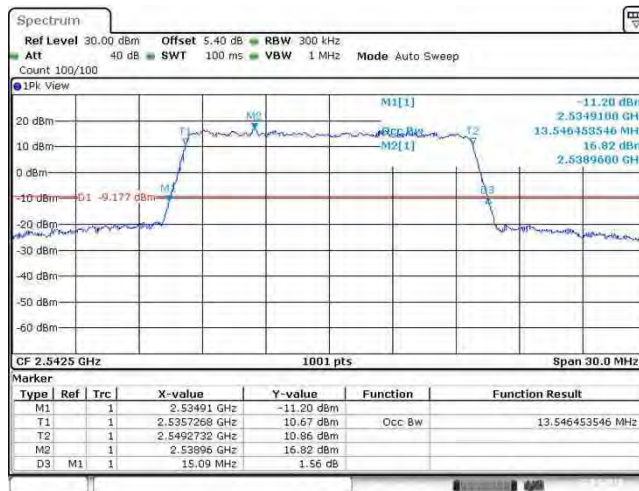
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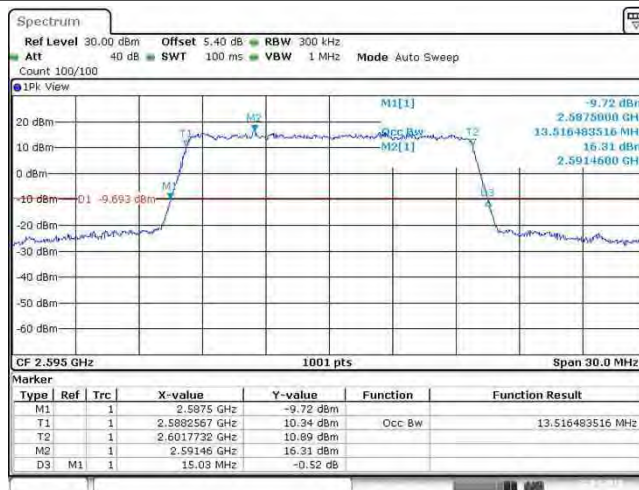
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Date: 22 APR 2019 21:58:09

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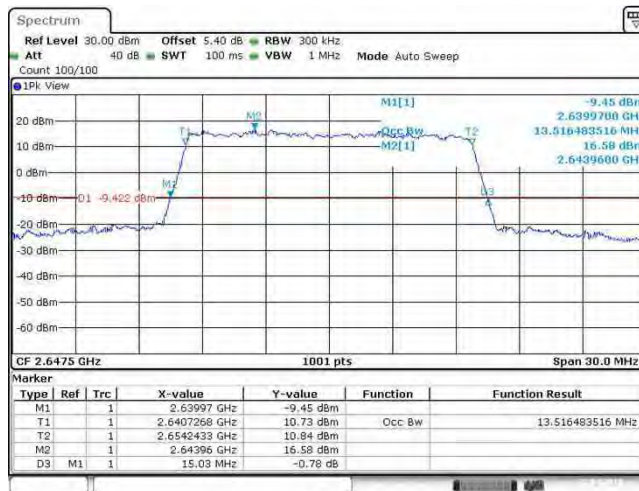
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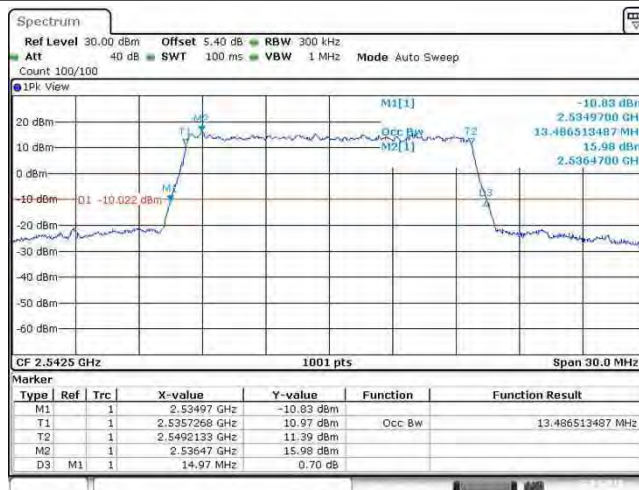
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Date: 22 APR 2019 22:08:07

Band41_15MHz_64QAM_40115_75RB#0



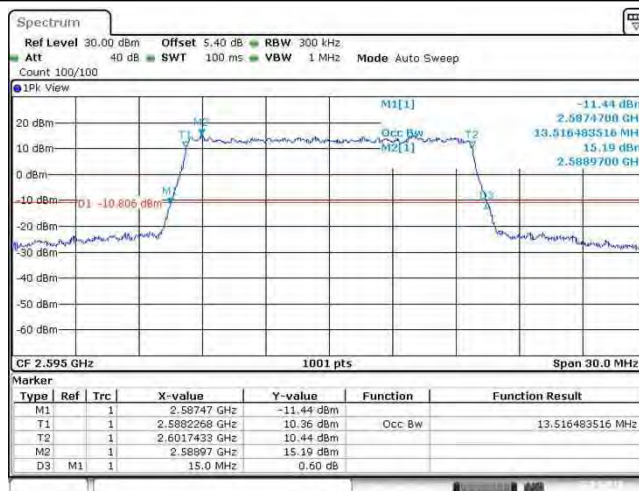
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Band41_15MHz_64QAM_40640_75RB#0



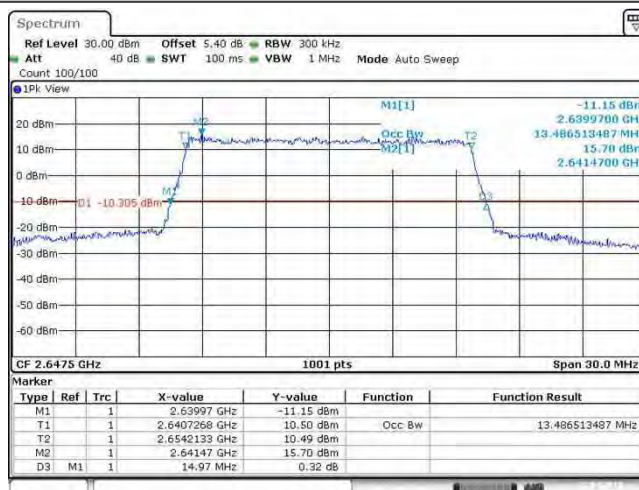
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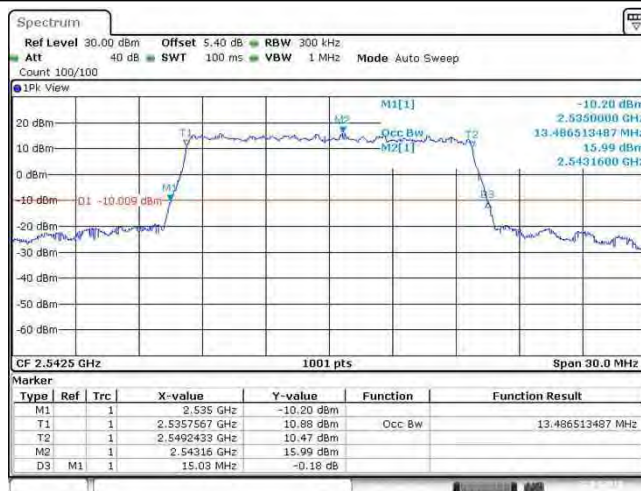
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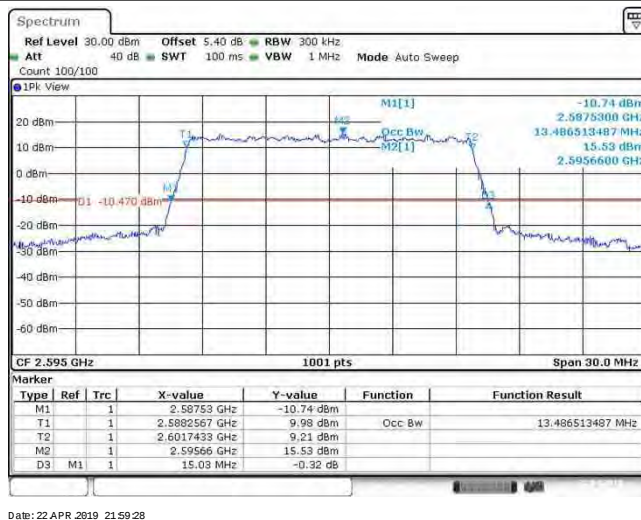
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Band41_15MHz_16QAM_40115_75RB#0



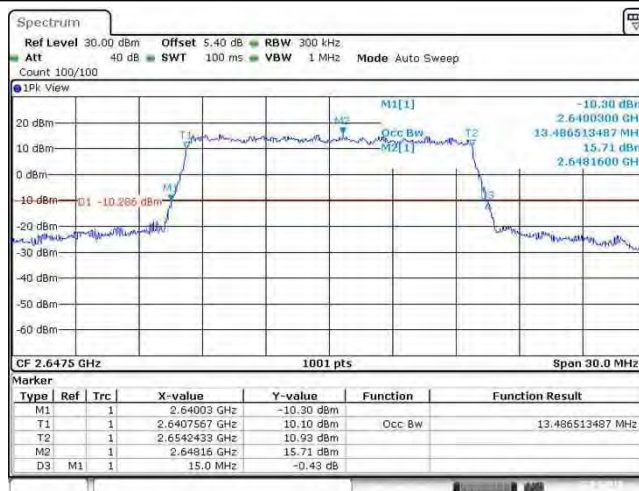


Band41_15MHz_16QAM_40640_75RB#0



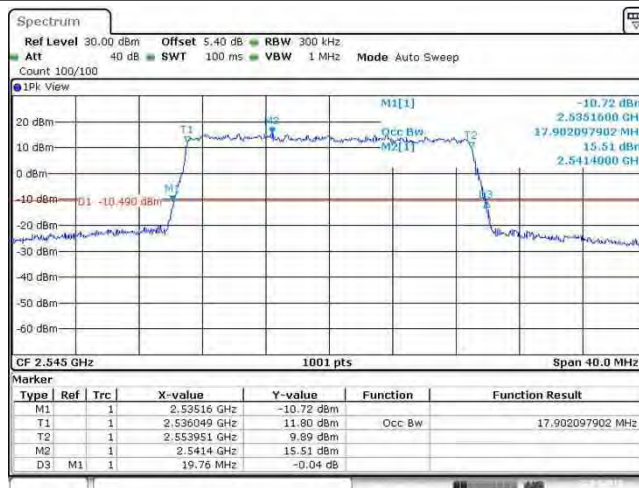
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Date: 22 APR 2019 22:08:27

Band41_20MHz_QPSK_40140_100RB#0



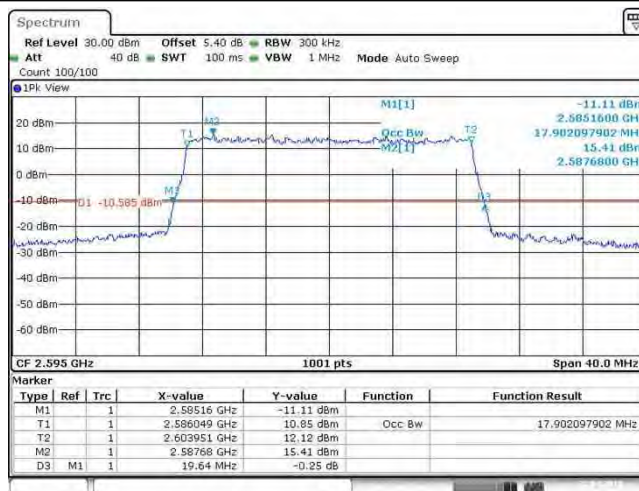
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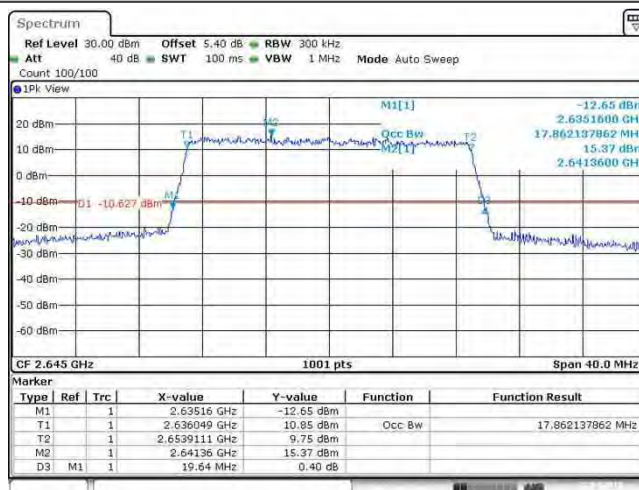
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Date: 22 APR 2019 22:52:58

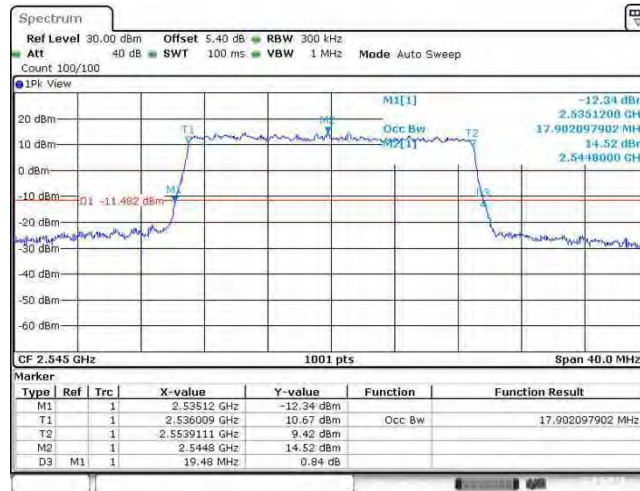
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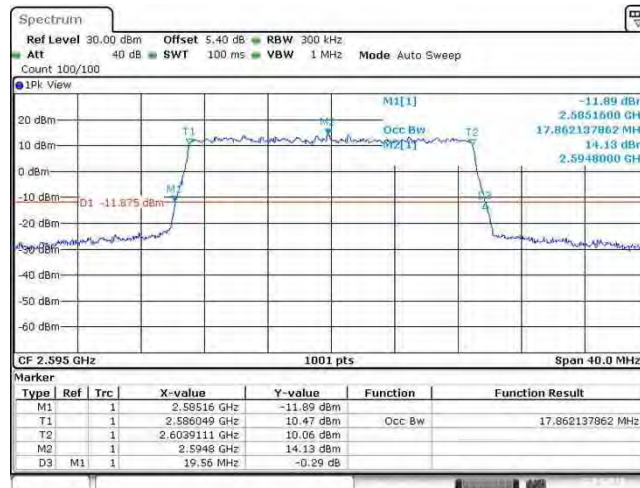
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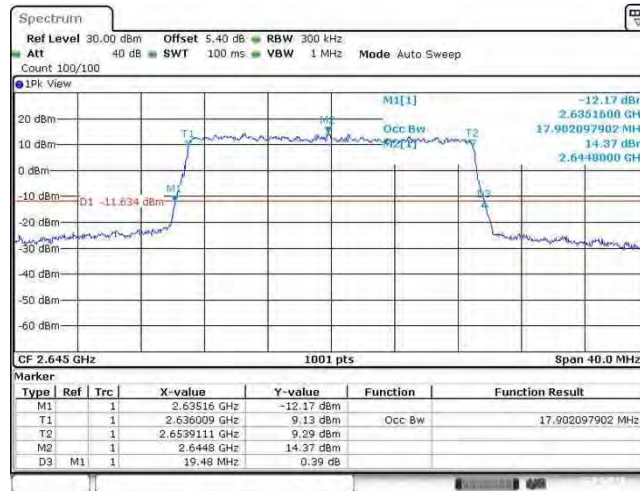
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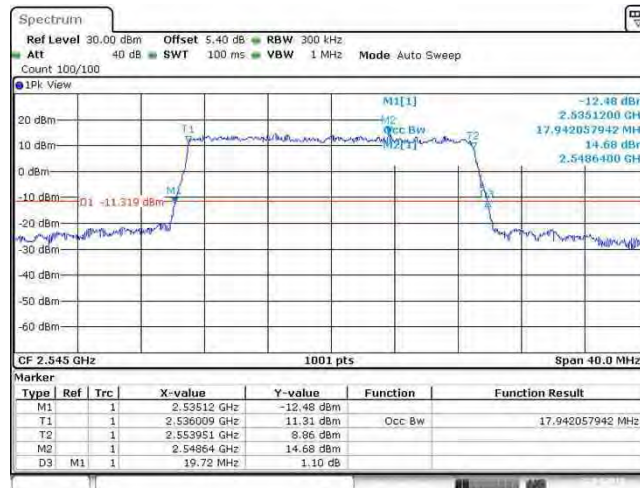
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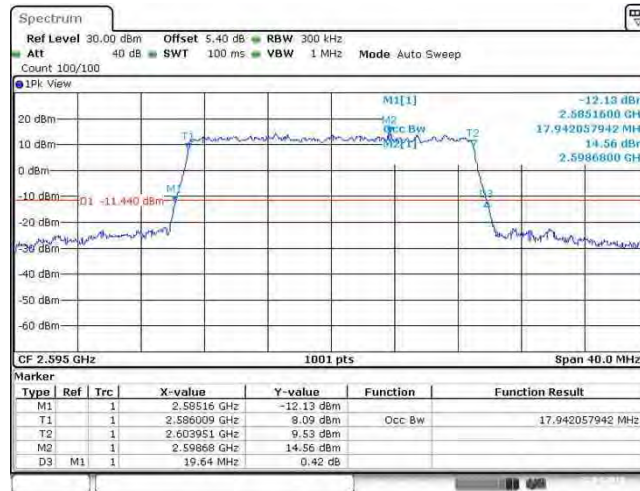
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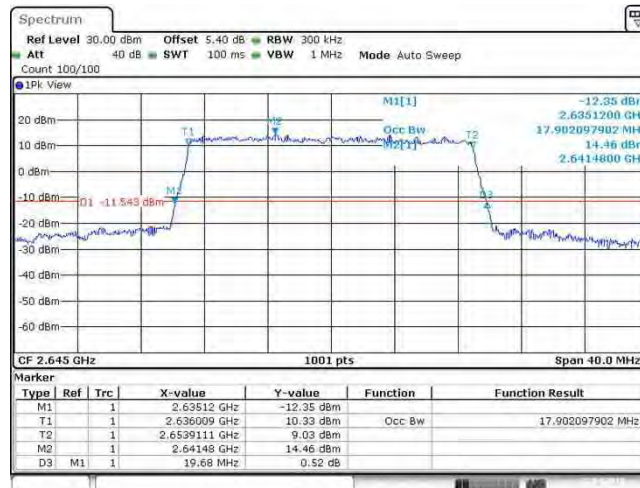
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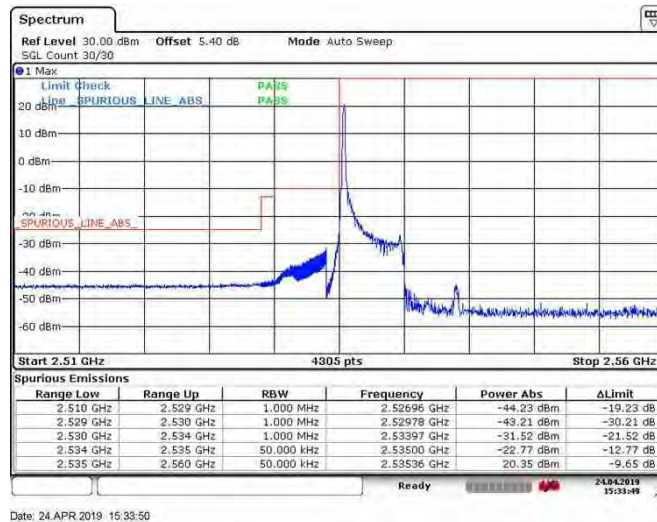
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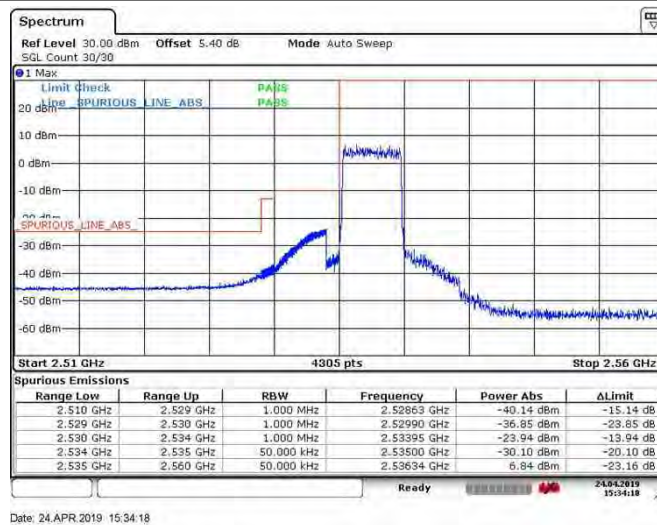
5. Band Edge Compliance

5.1. Test Plots

Band41_5MHz_QPSK_40065_1RB#0



Band41_5MHz_QPSK_40065_25RB#0

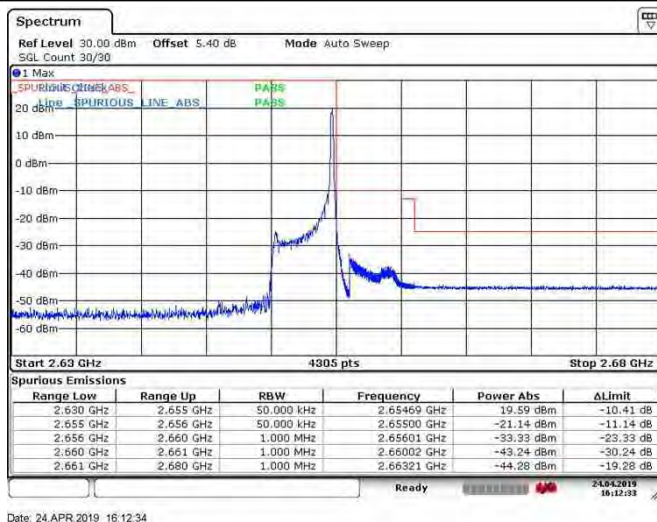


Band41_5MHz_QPSK_41215_1RB#24



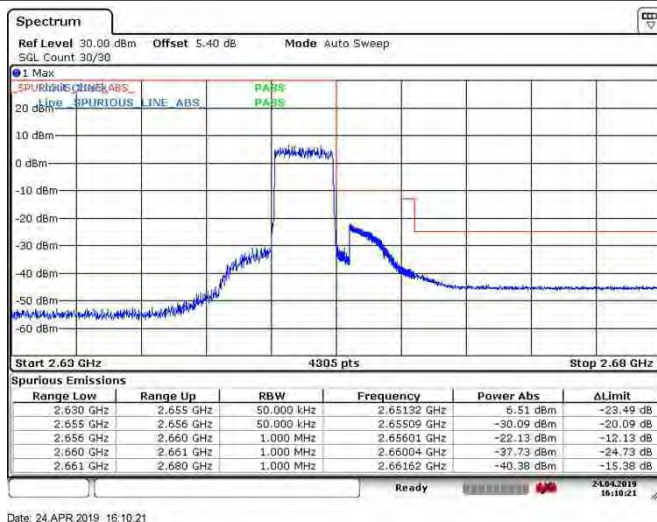
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Date: 24 APR 2019 16:12:34

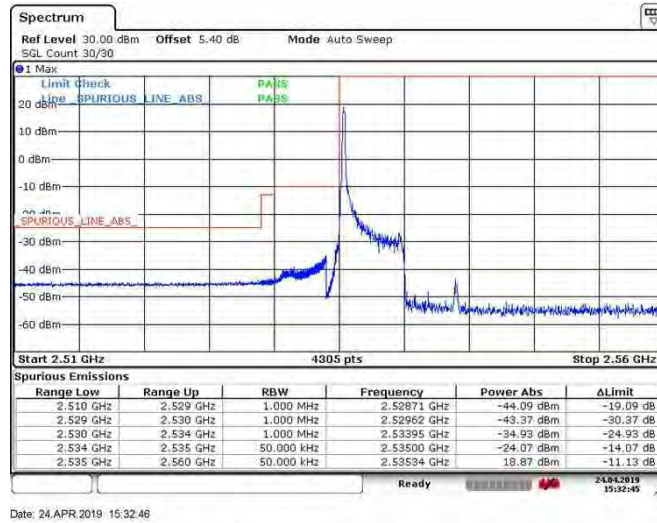
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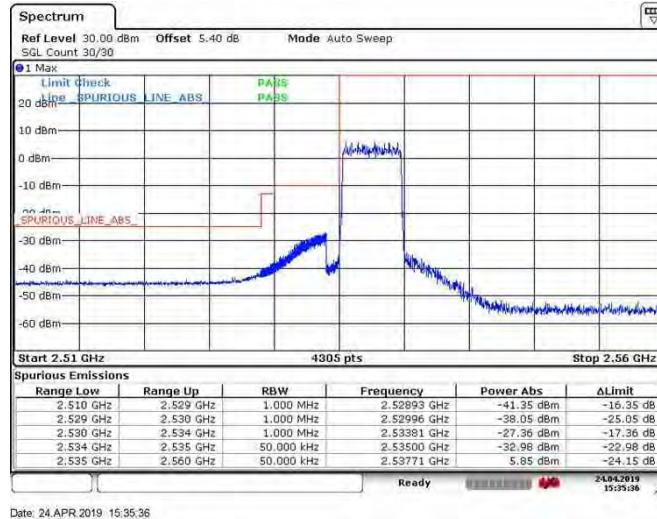
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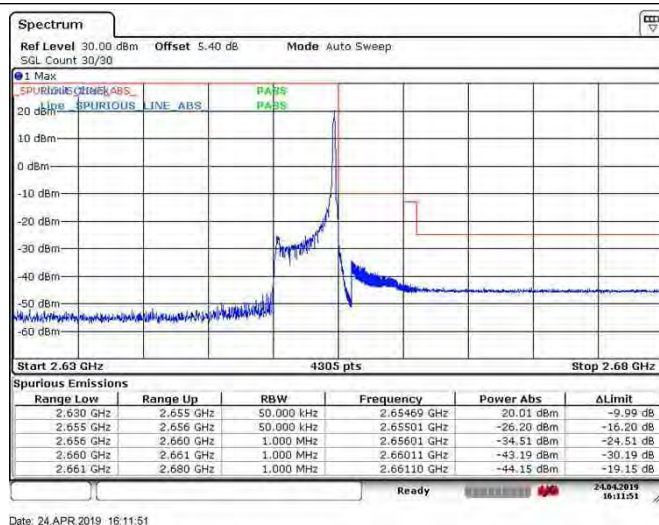


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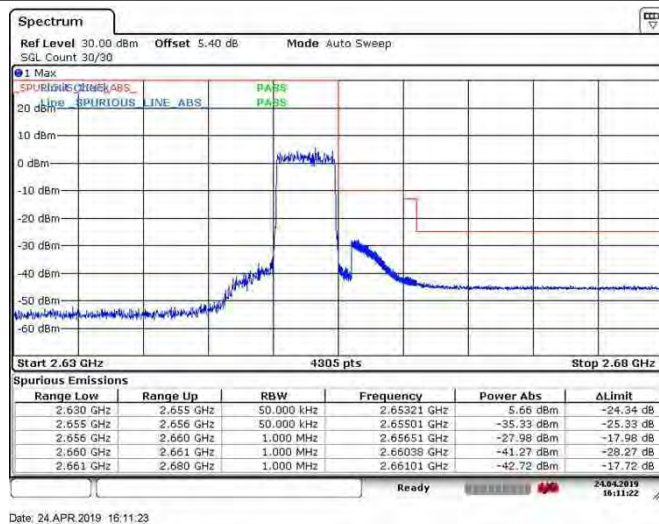


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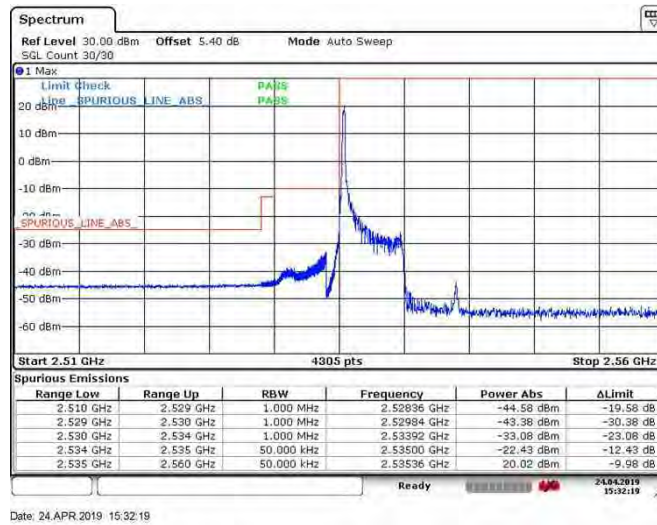


Band41_5MHz_64QAM_41215_25RB#0

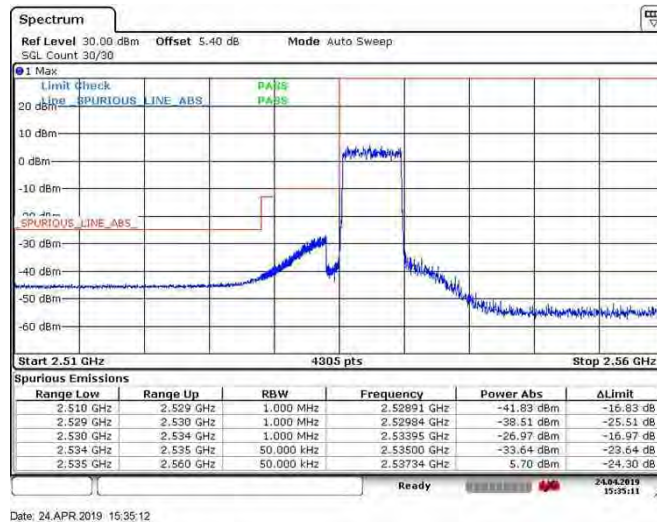


Band41_5MHz_16QAM_40065_1RB#0





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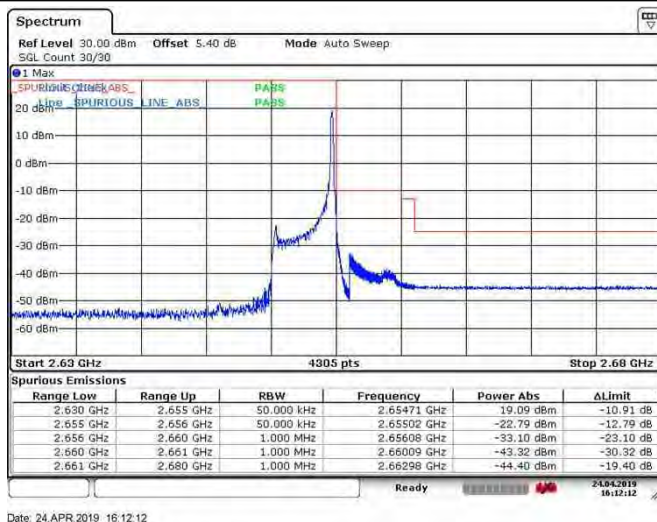


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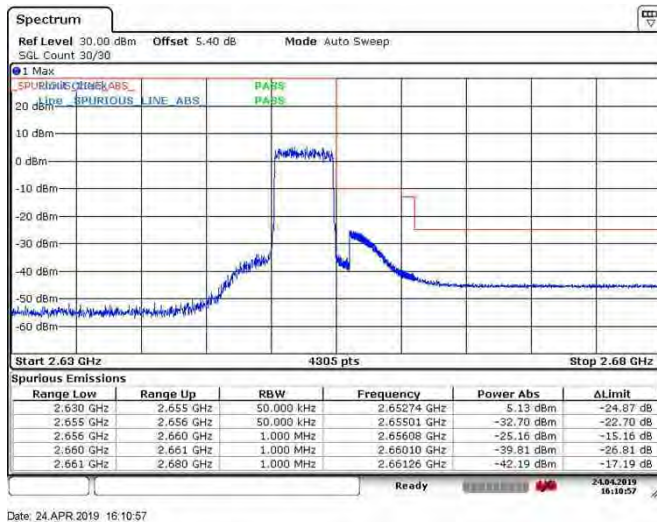
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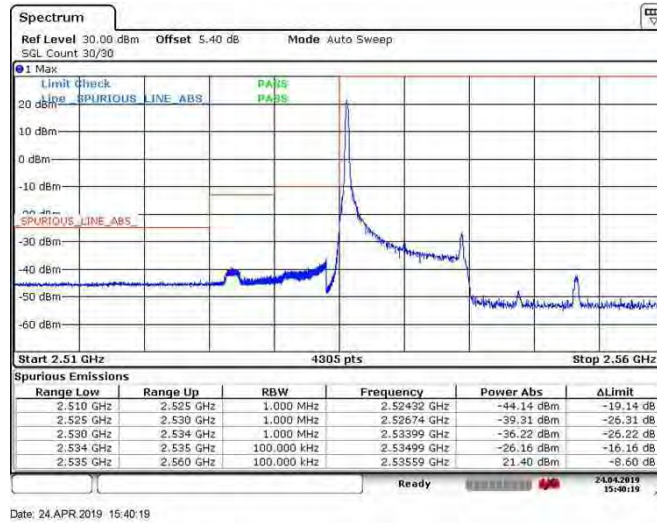
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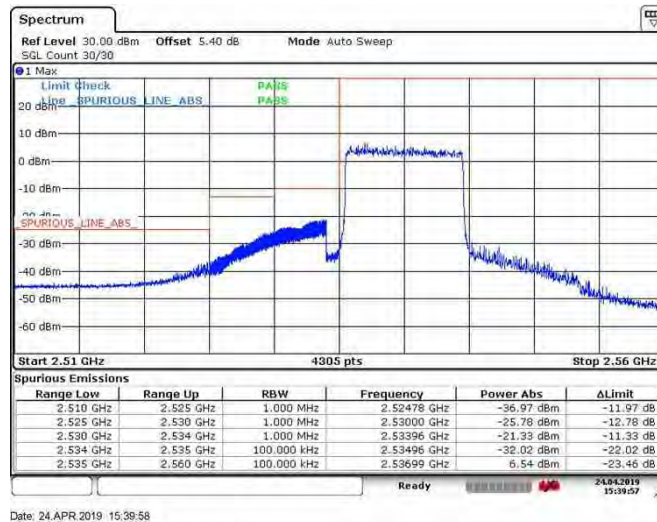
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Band41_10MHz_QPSK_40090_1RB#0





Band41_10MHz_QPSK_40090_50RB#0

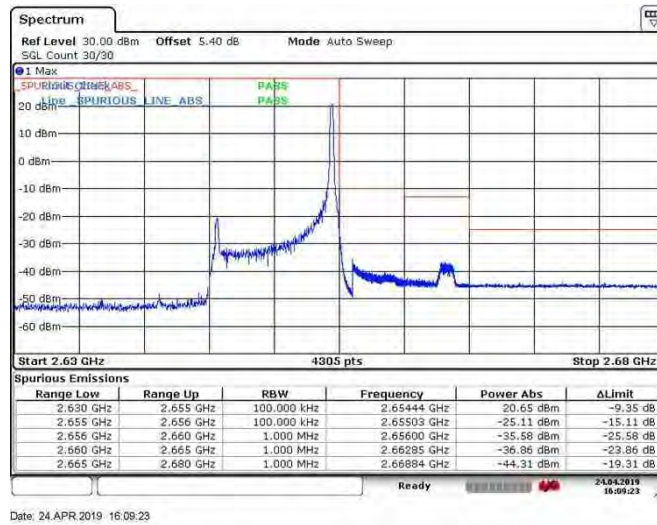


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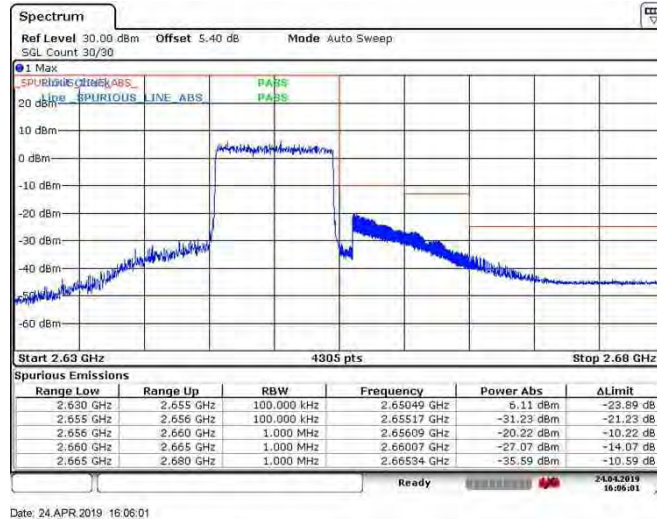


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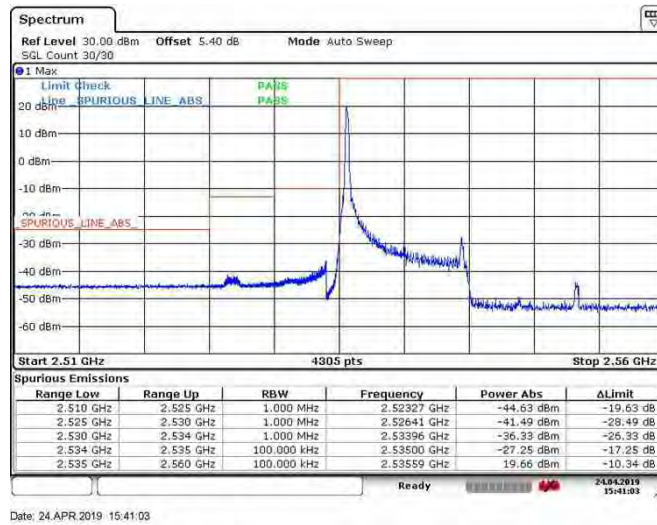


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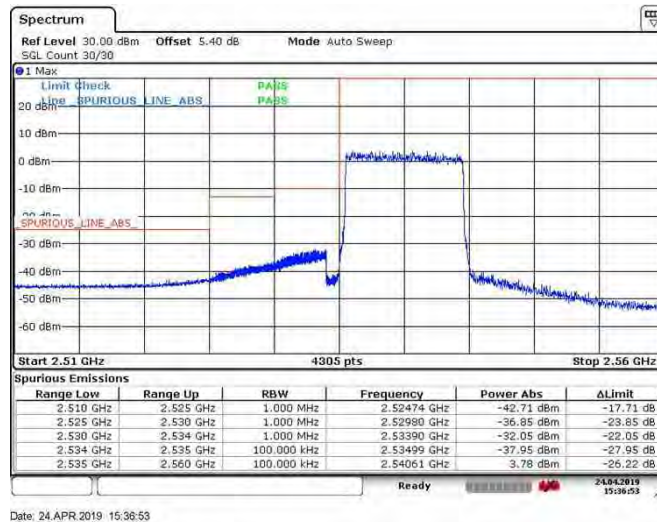


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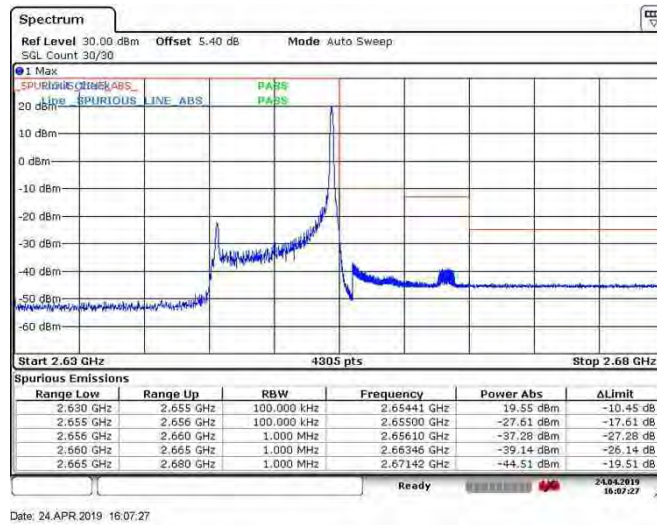


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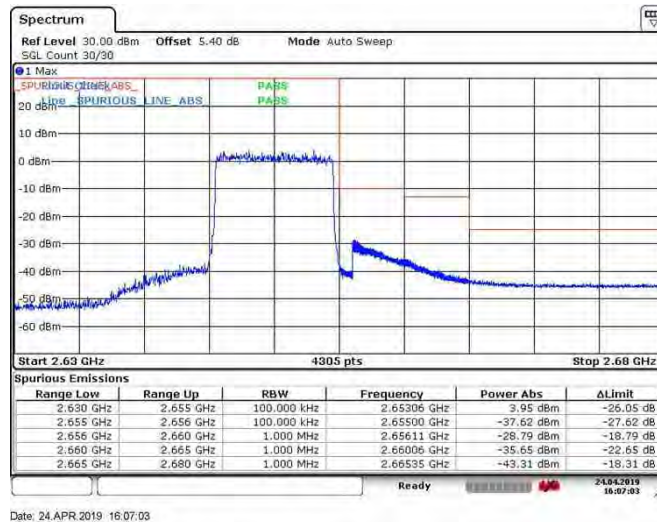


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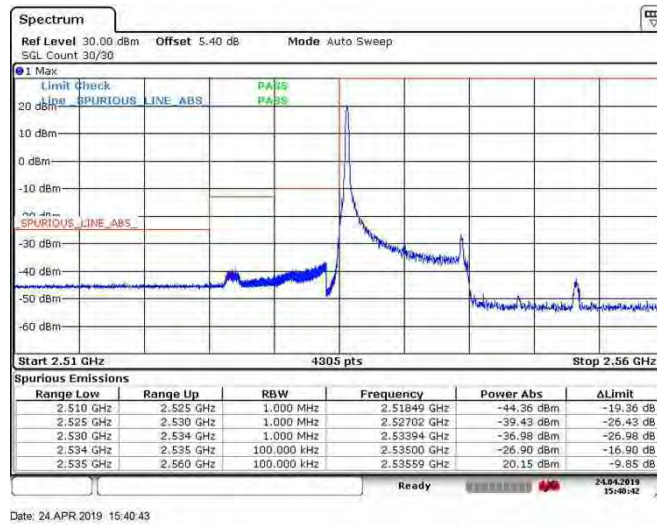


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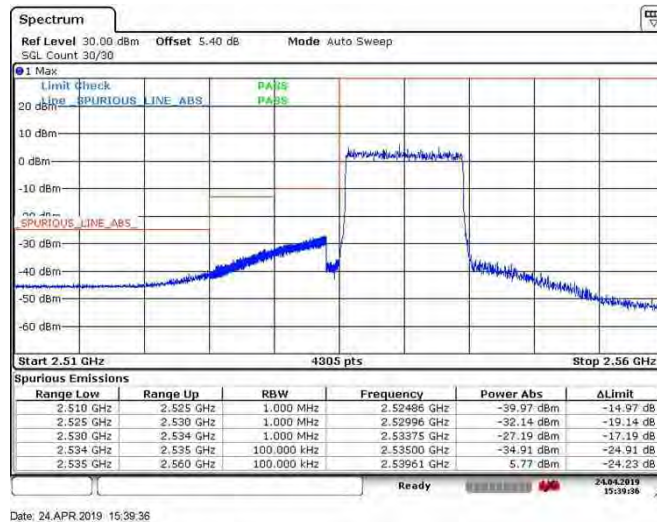


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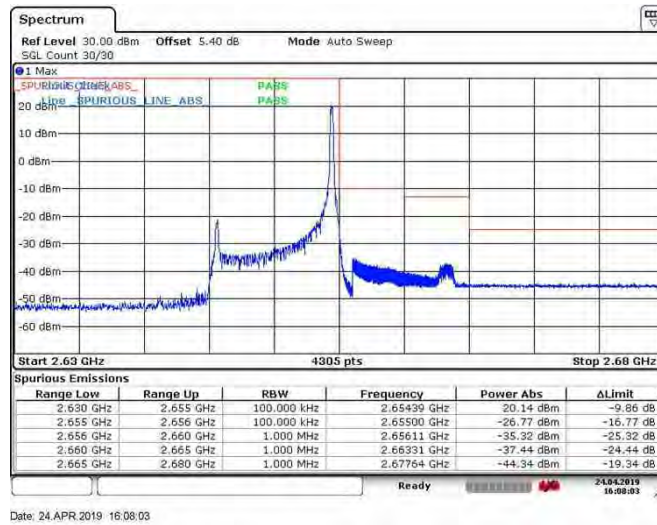


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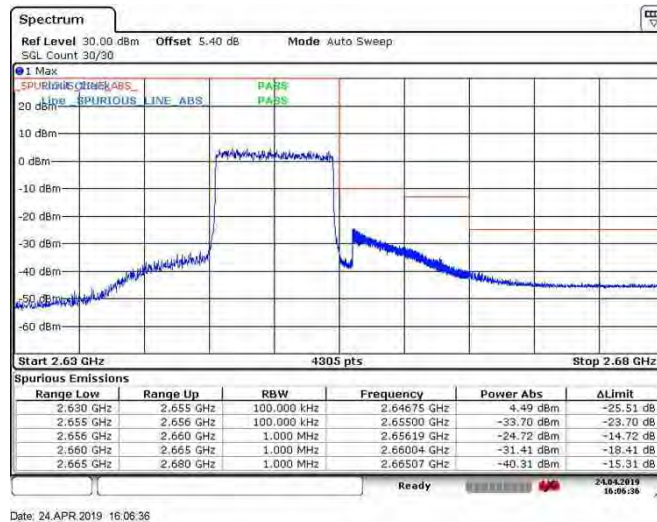


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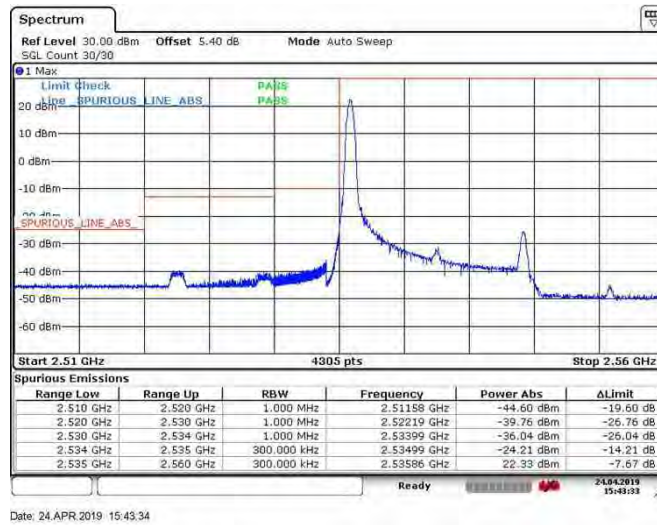


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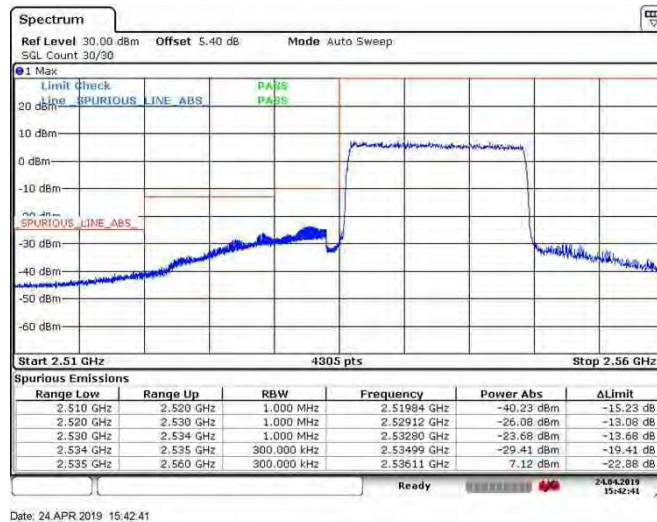


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Band41_15MHz_QPSK_40115_75RB#0

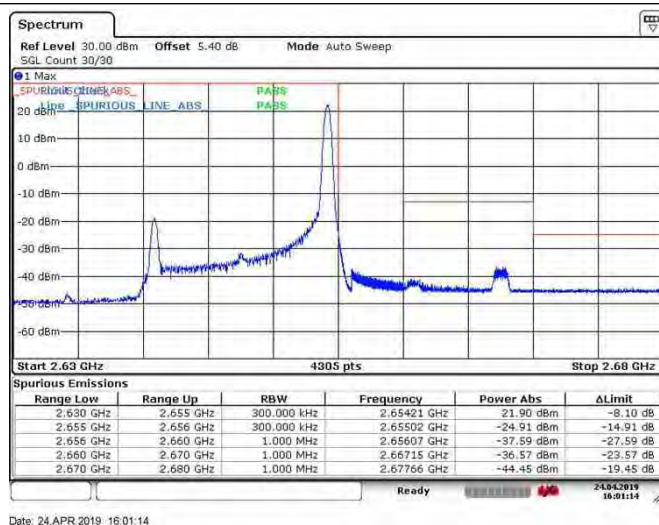


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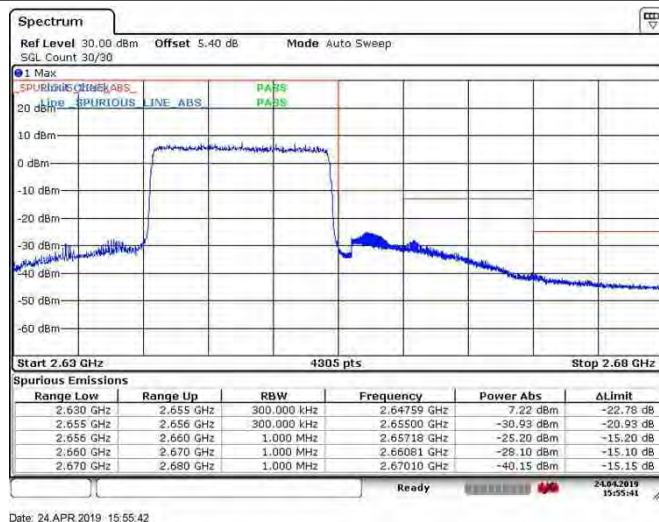
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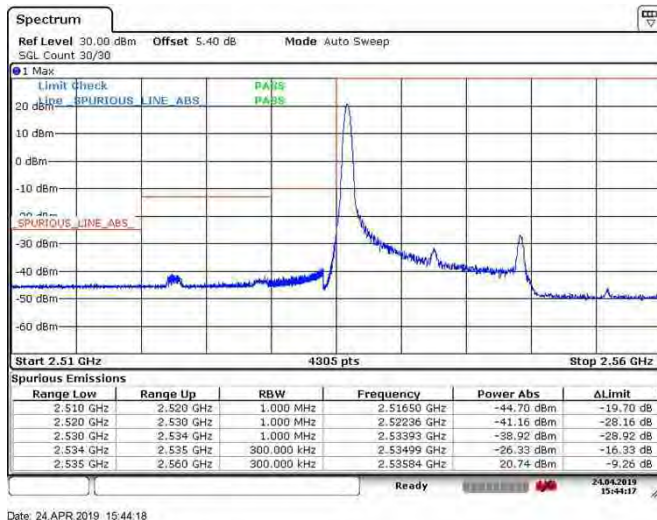


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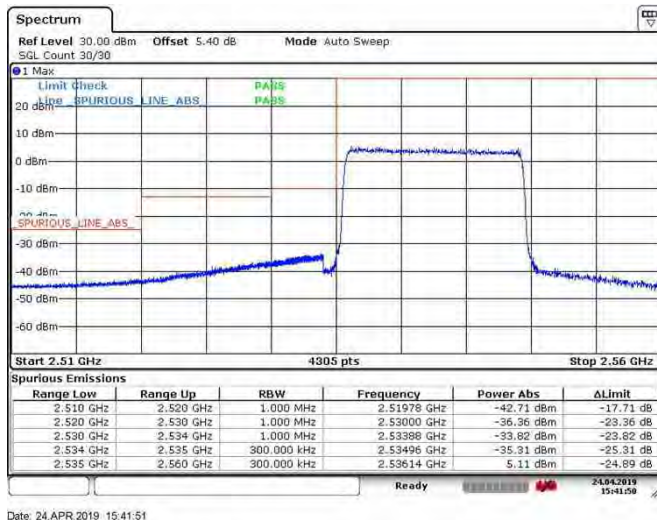


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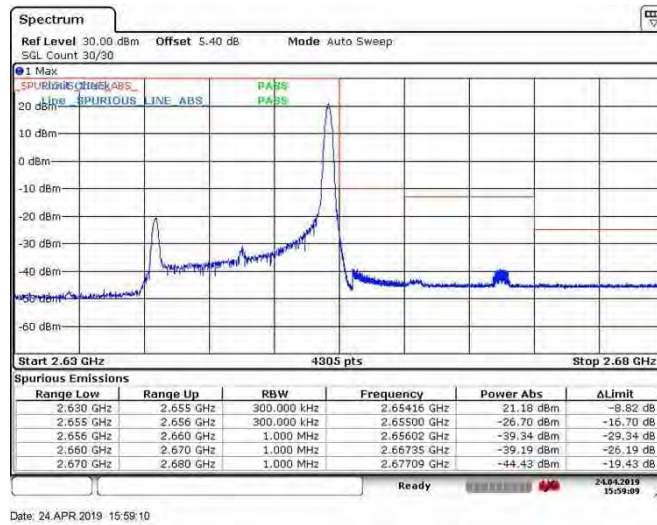


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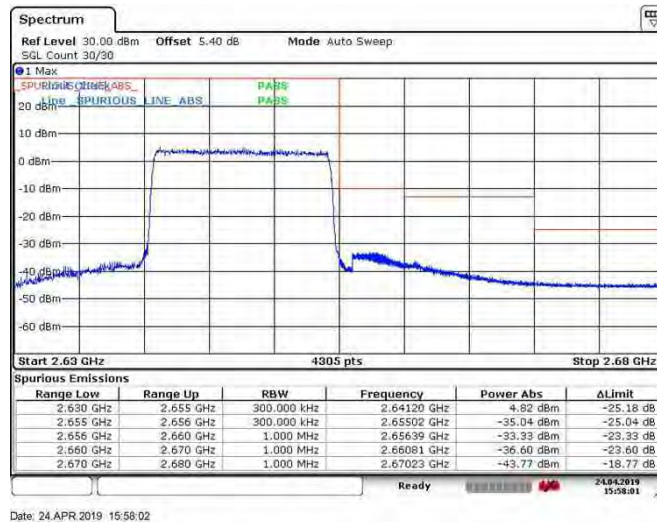


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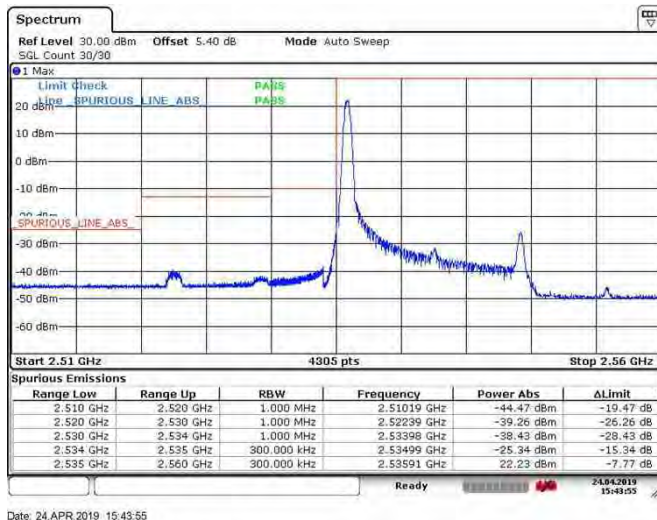


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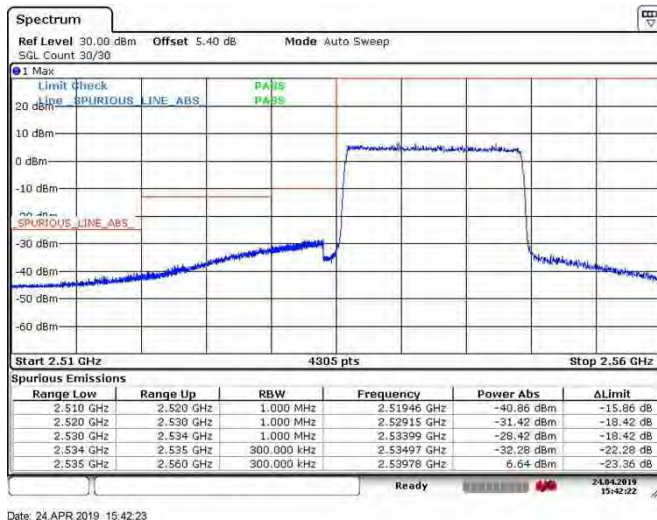


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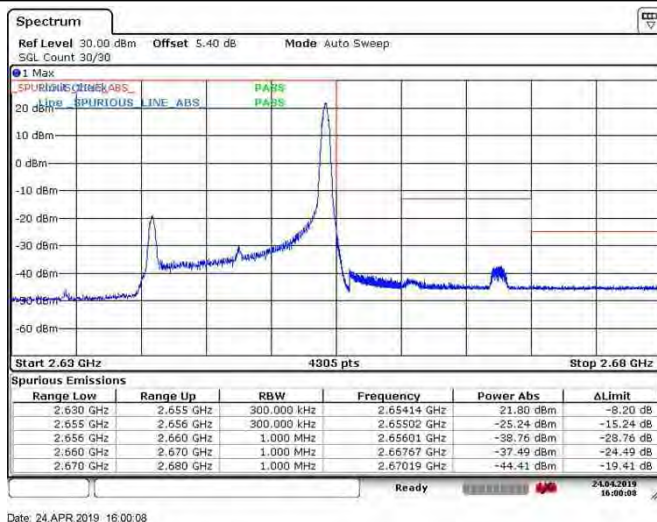
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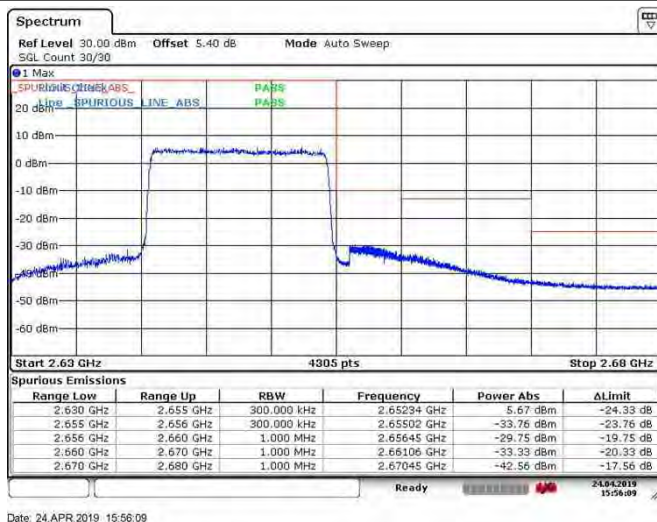
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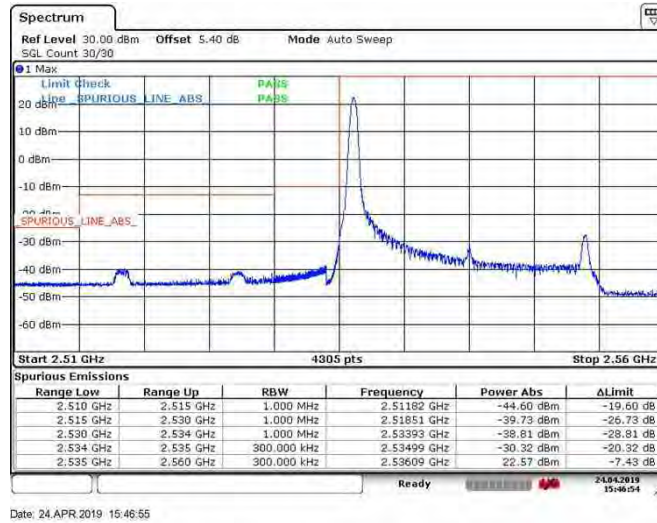


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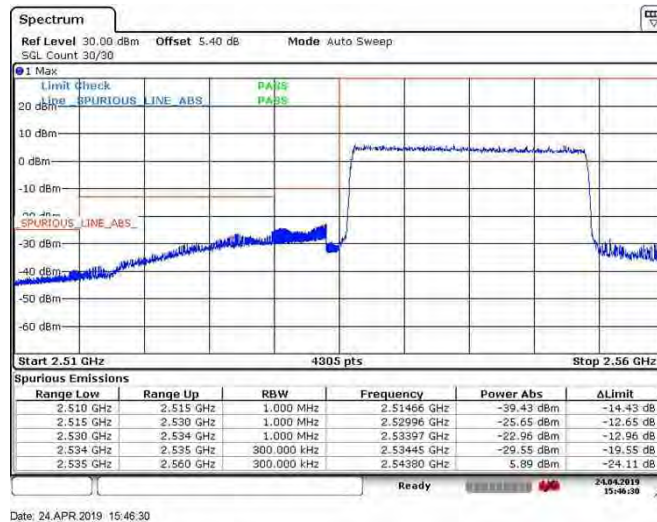


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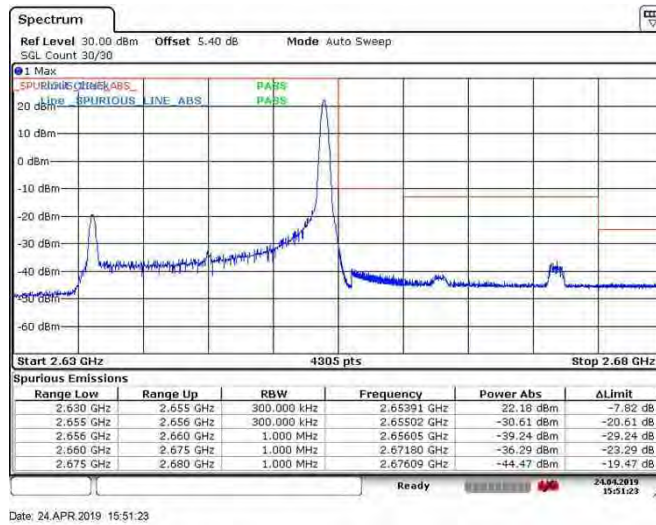


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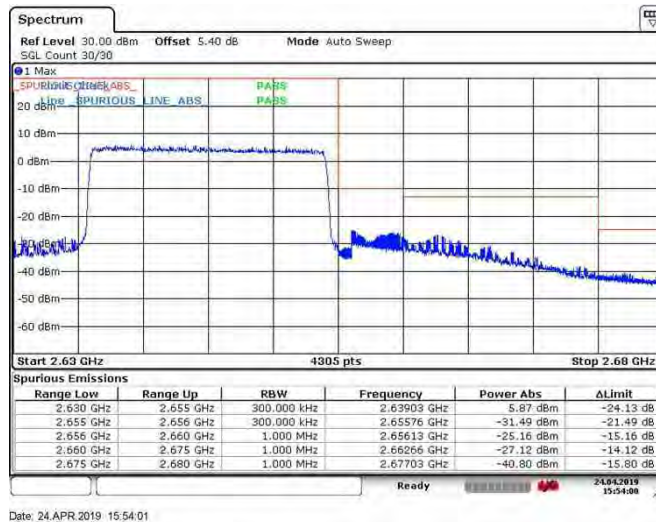


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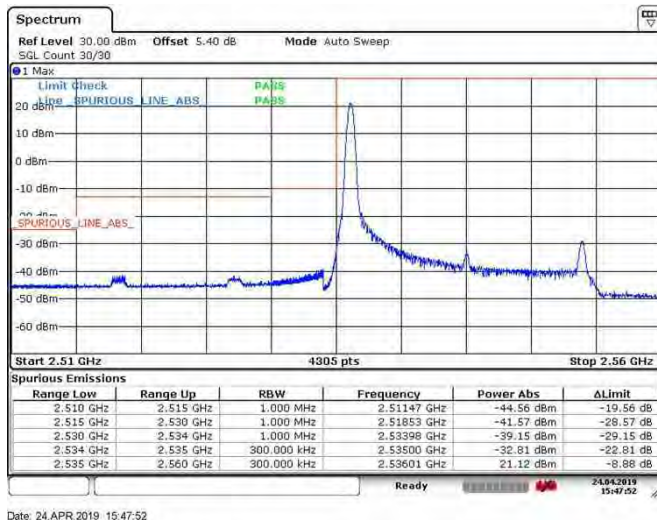


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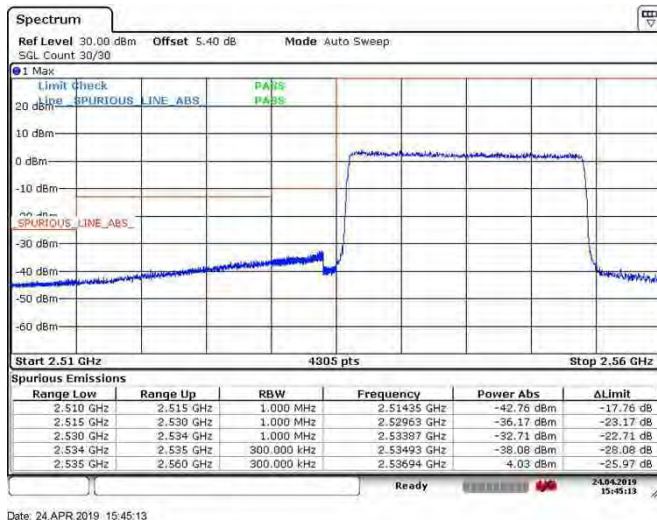


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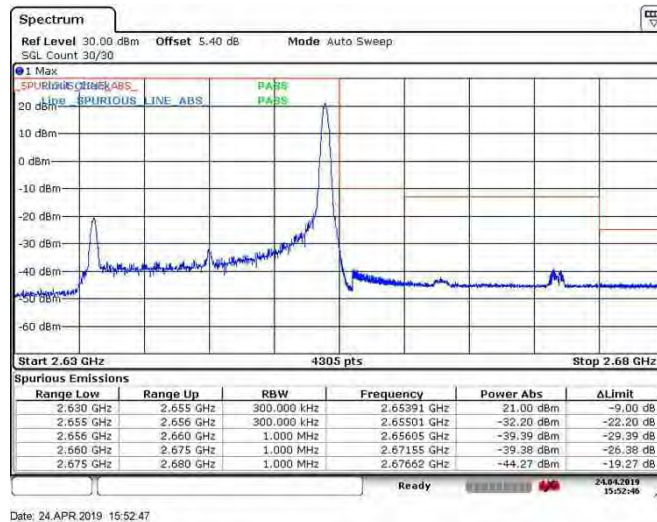


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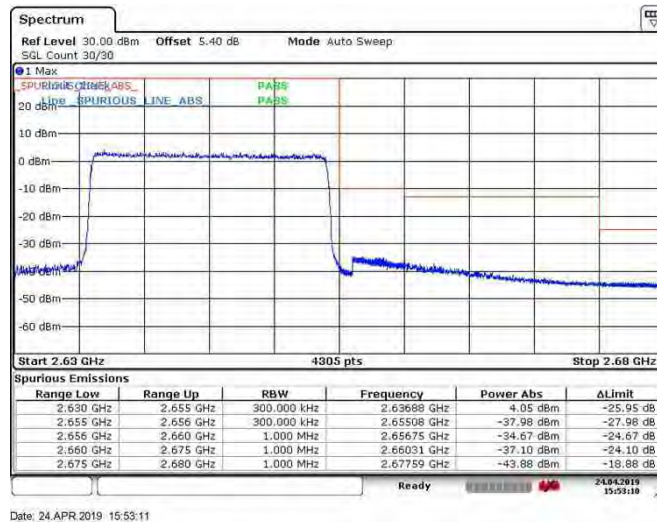


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Band41_20MHz_64QAM_41140_100RB#0

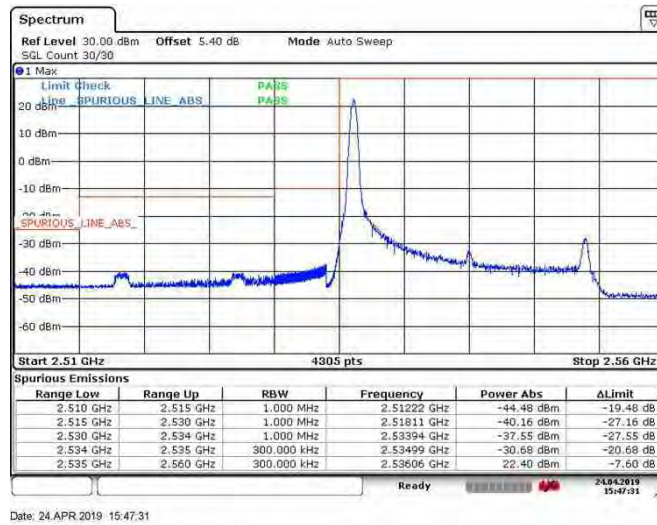


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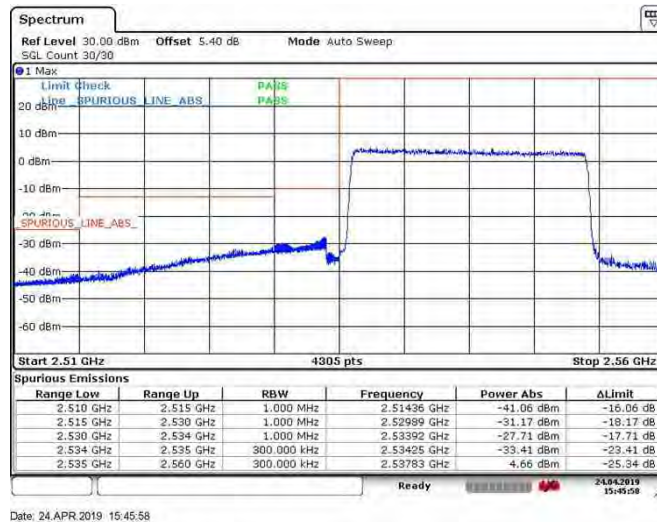


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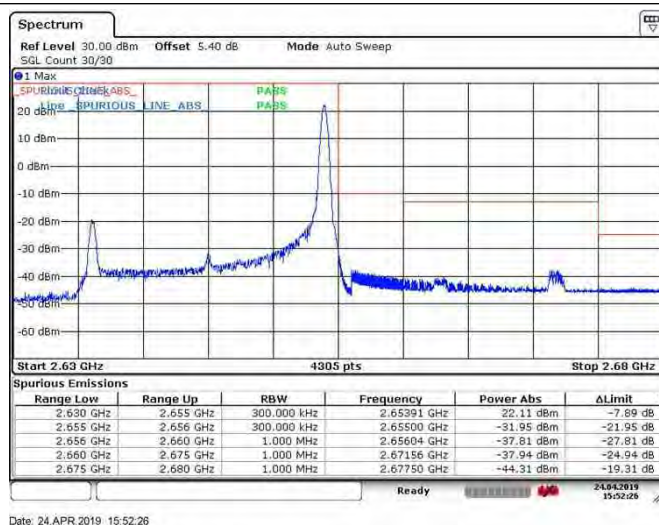


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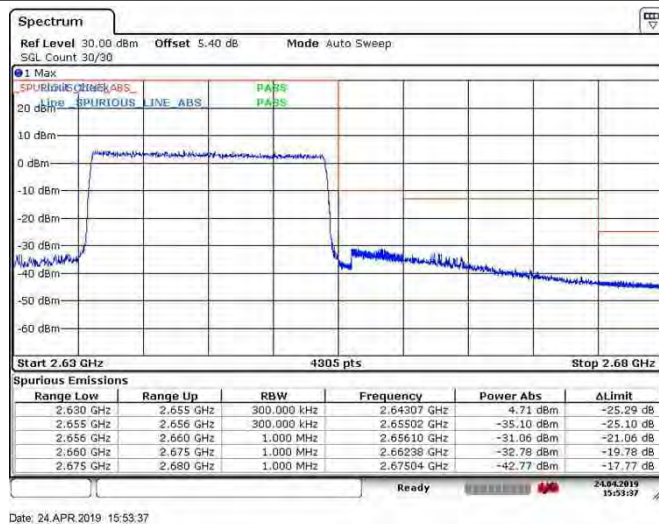


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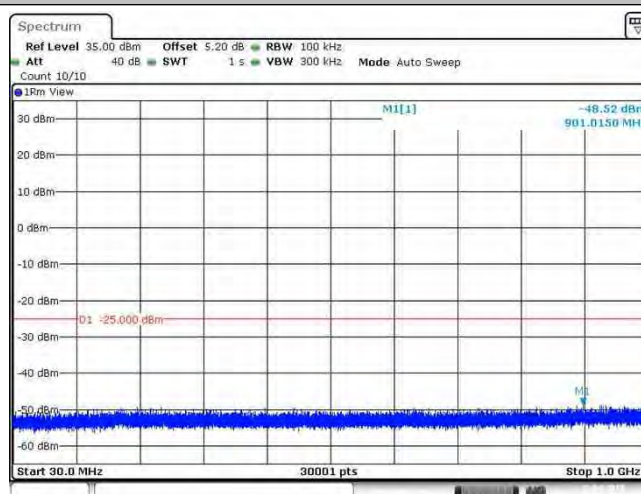
6. Spurious Emission at Antenna Terminal

Remark1: 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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

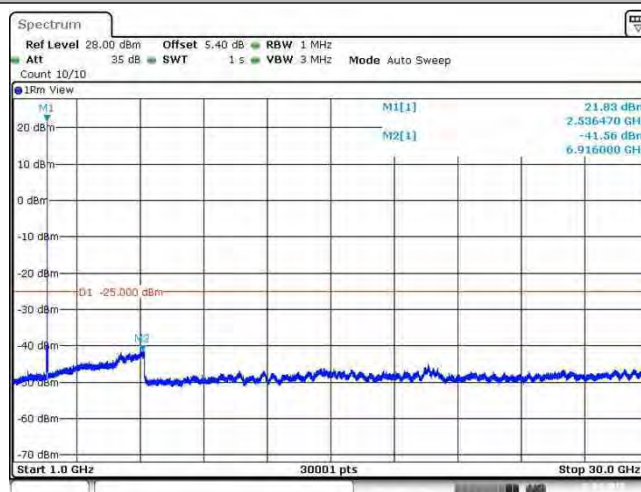
6.1. Test Plots

Band41_20MHz_QPSK_40140_1RB#0



Date: 22 APR 2019 22:04:07

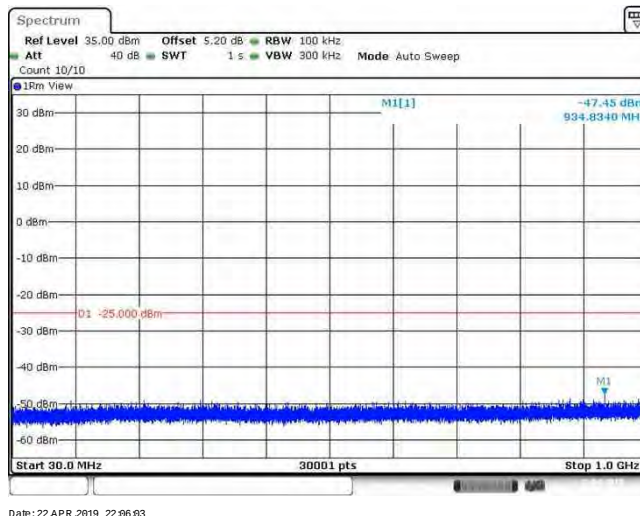
Band41_20MHz_QPSK_40140_1RB#0



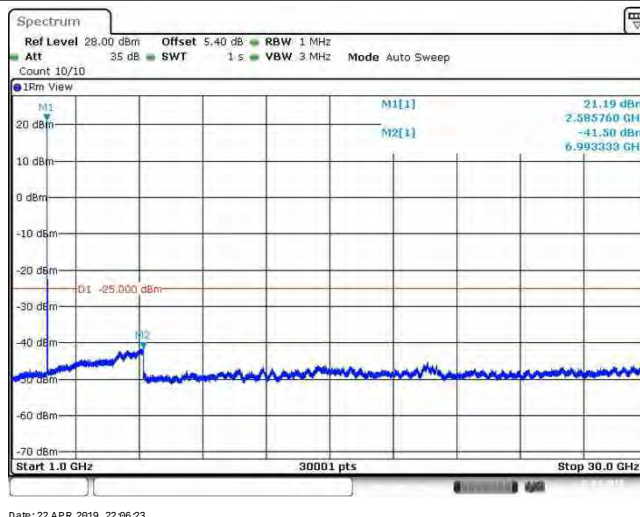
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Band41_20MHz_QPSK_40640_1RB#0





Band41_20MHz_QPSK_40640_1RB#0



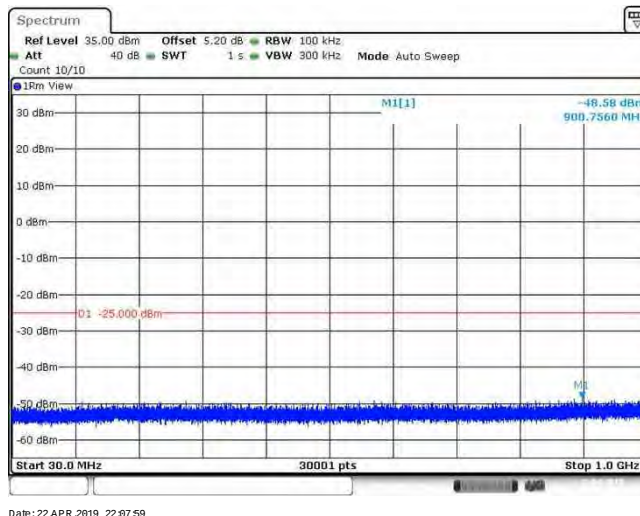
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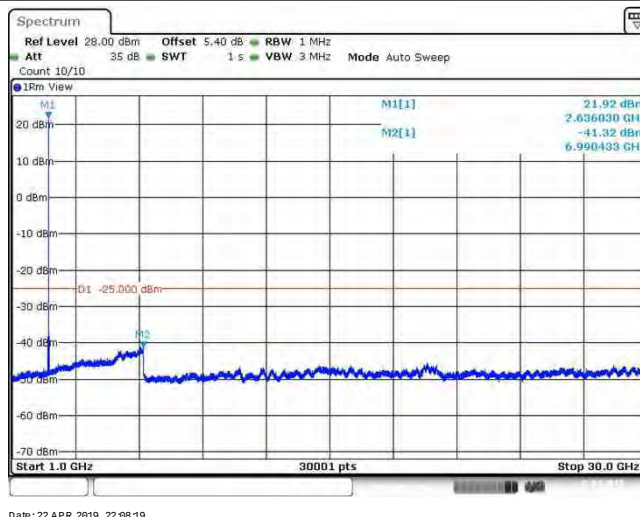
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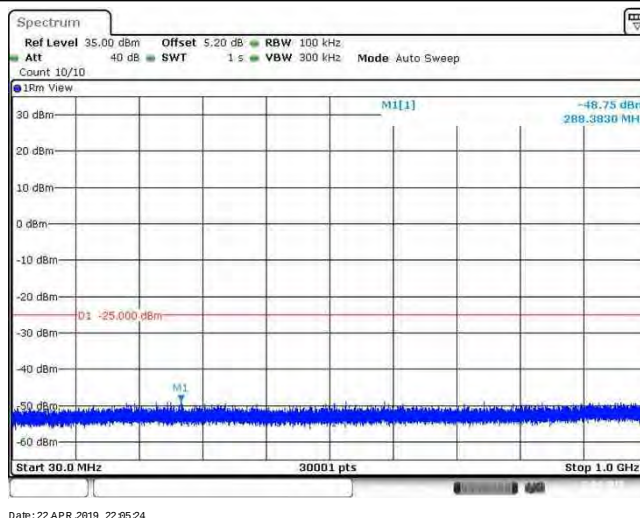


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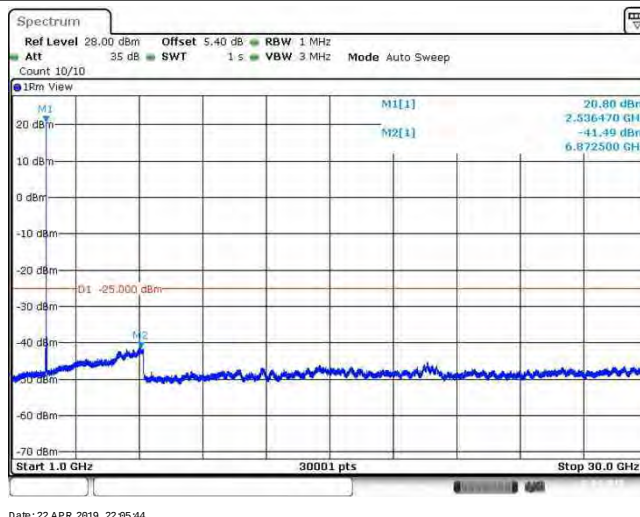


Band41_20MHz_64QAM_40140_1RB#0





Band41_20MHz_64QAM_40140_1RB#0

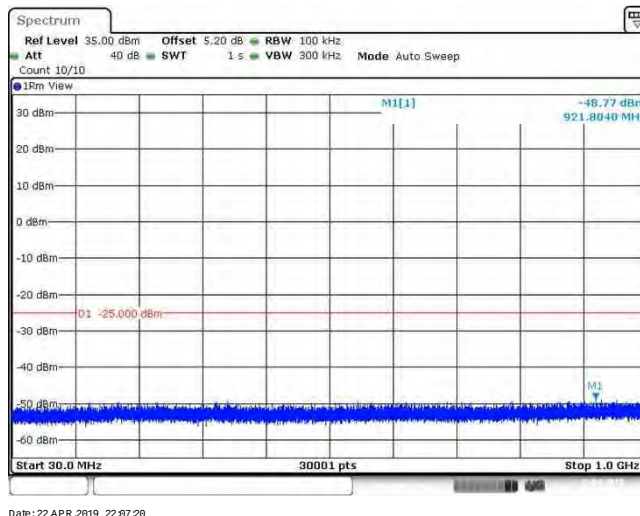


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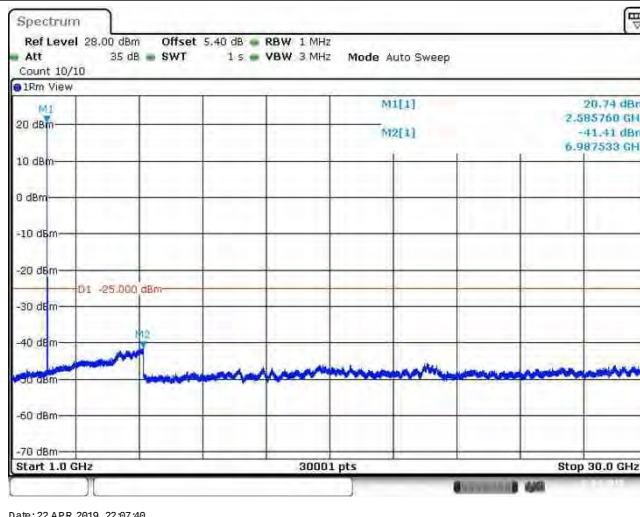


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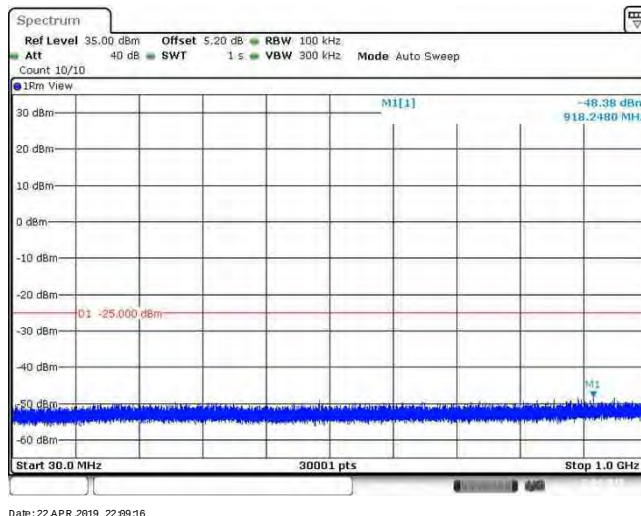
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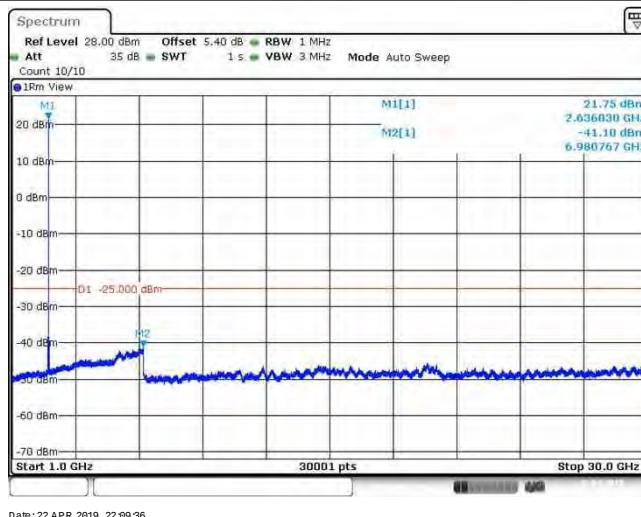
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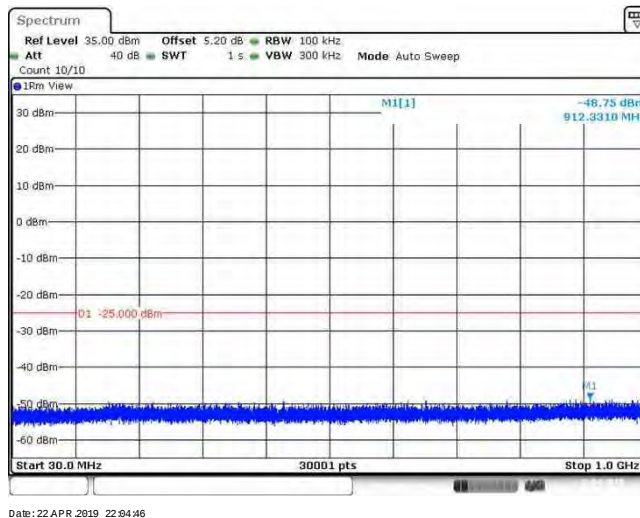


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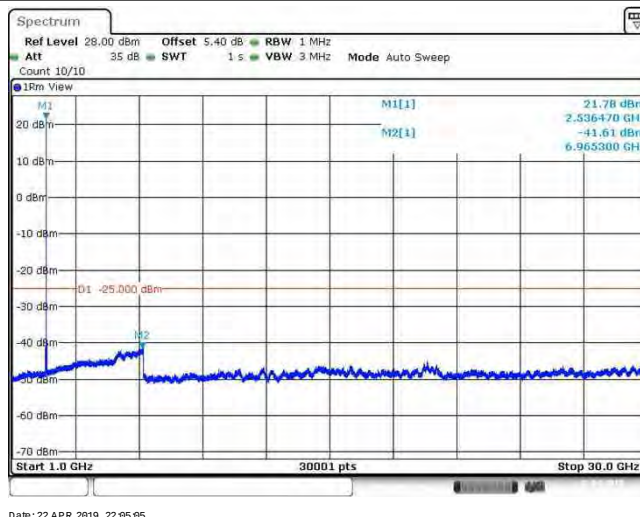


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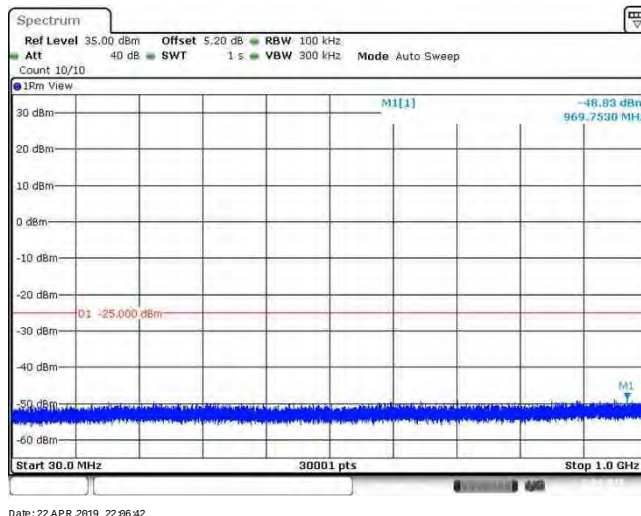
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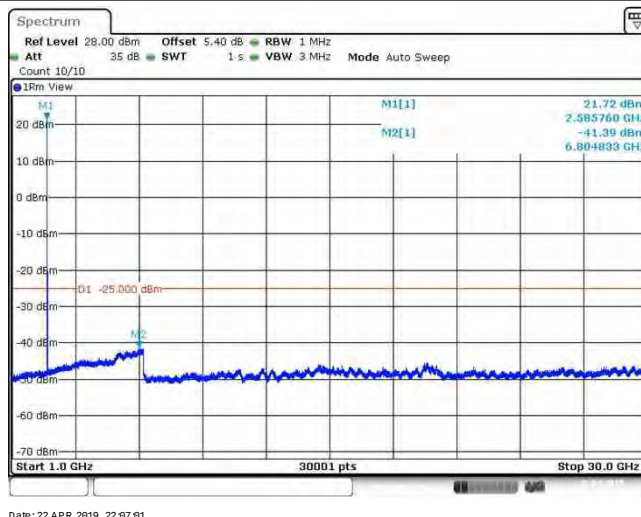
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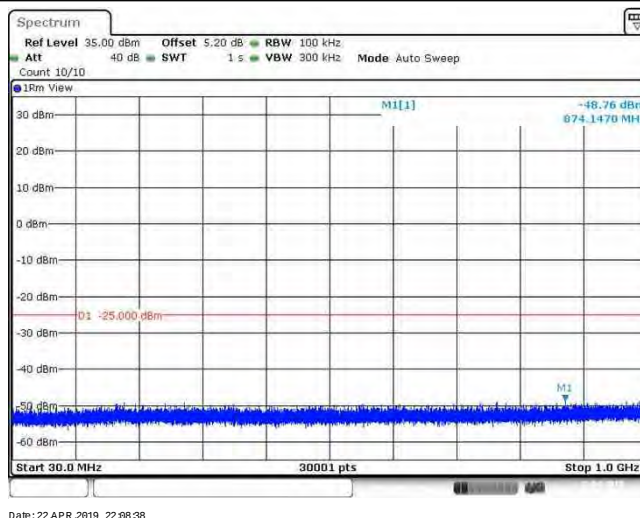


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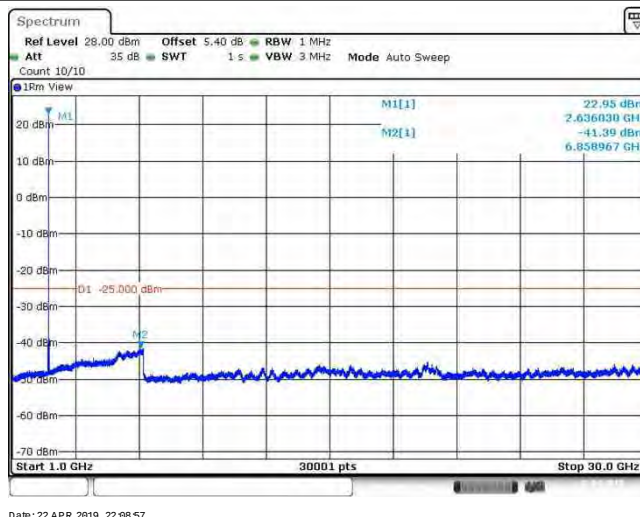


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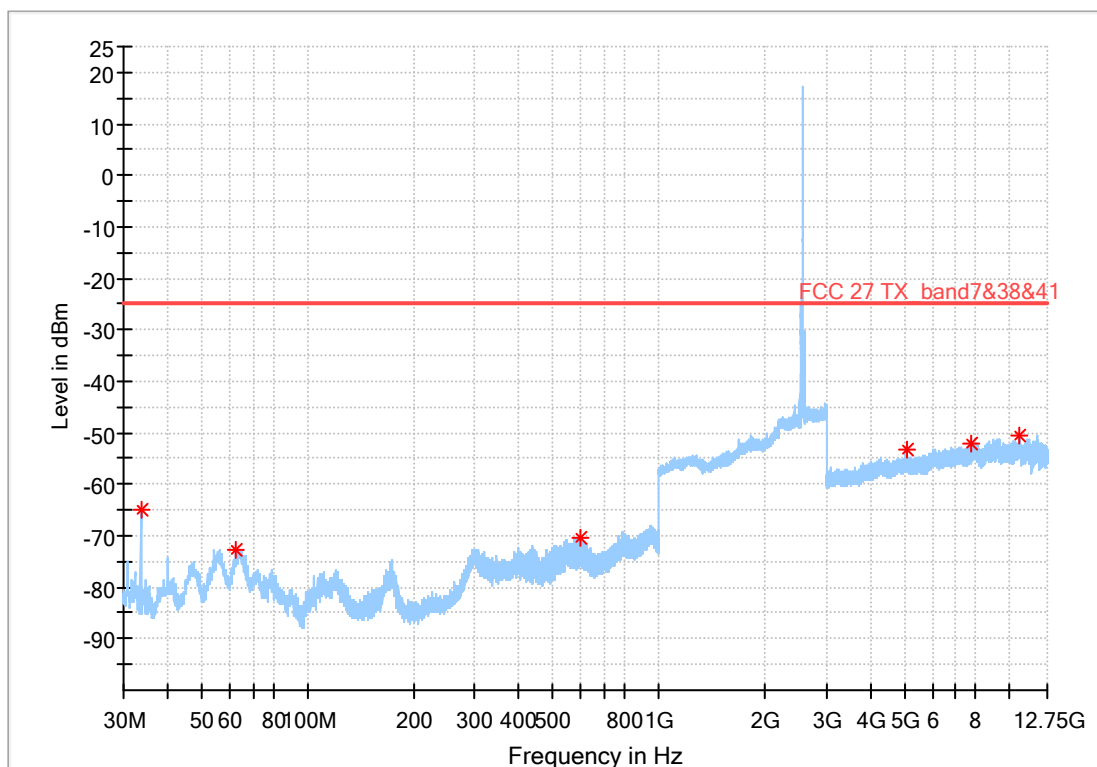
7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE Band 41

7.1.1. Test Mode = LTE/TM1 (Down Ant)

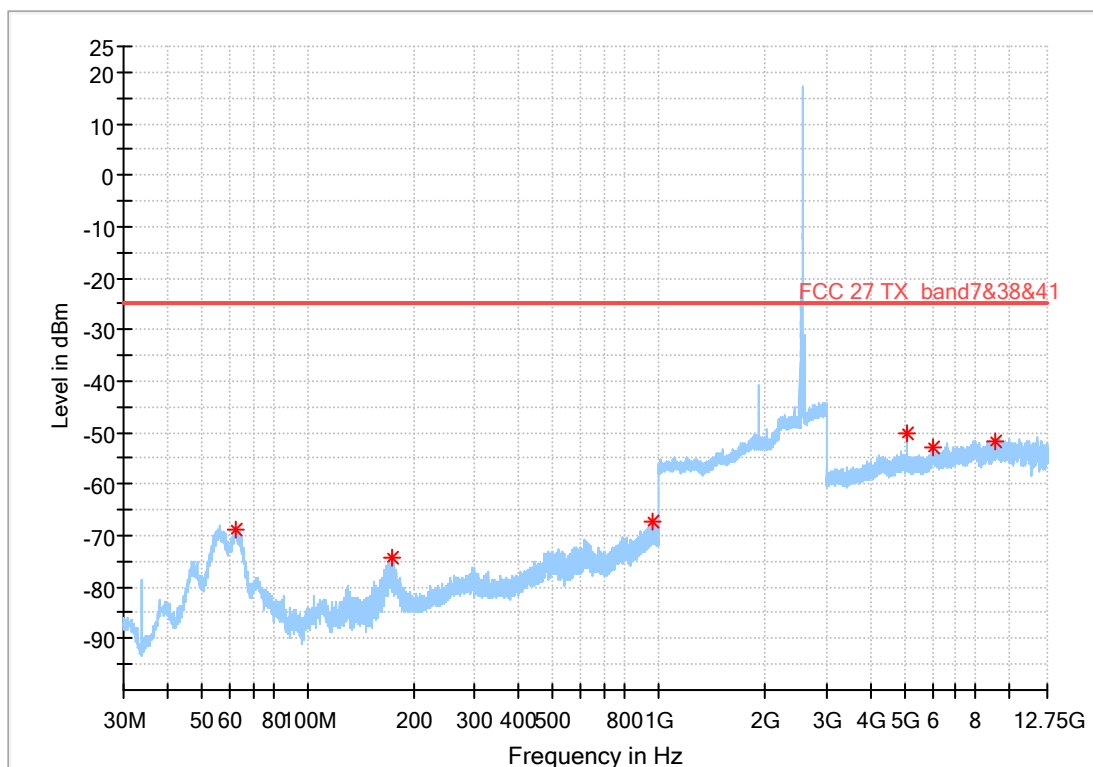
7.1.1.1. Test Channel = LCH_Vertical

Full Spectrum



7.1.1.2. Test Channel = LCH_Horizontal

Full Spectrum



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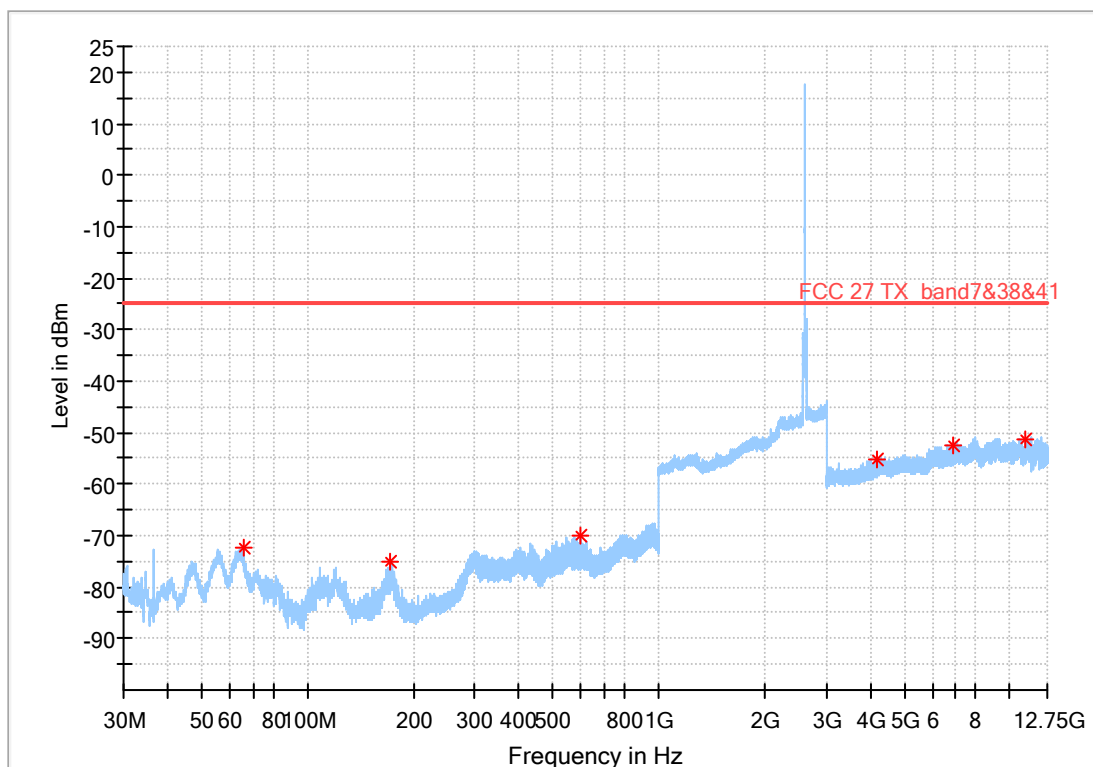
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7.1.1.3. Test Channel = MCH_ Vertical

Full Spectrum



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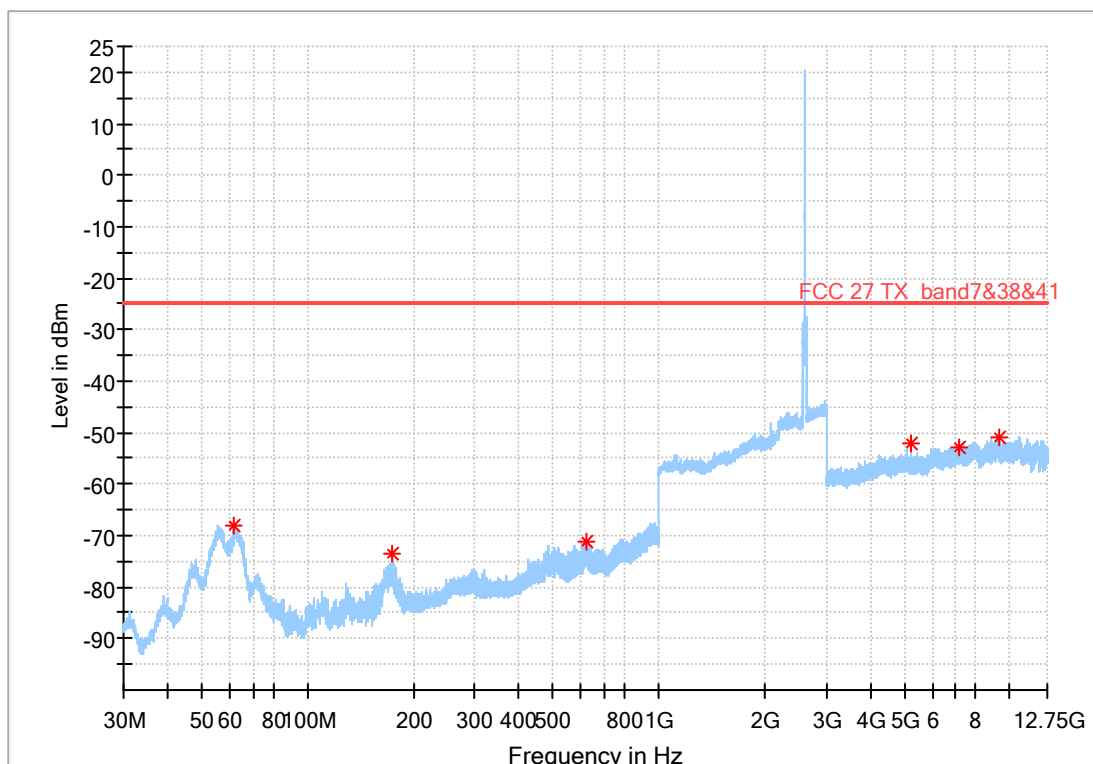
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7.1.1.4. Test Channel = MCH_ Horizontal

Full Spectrum



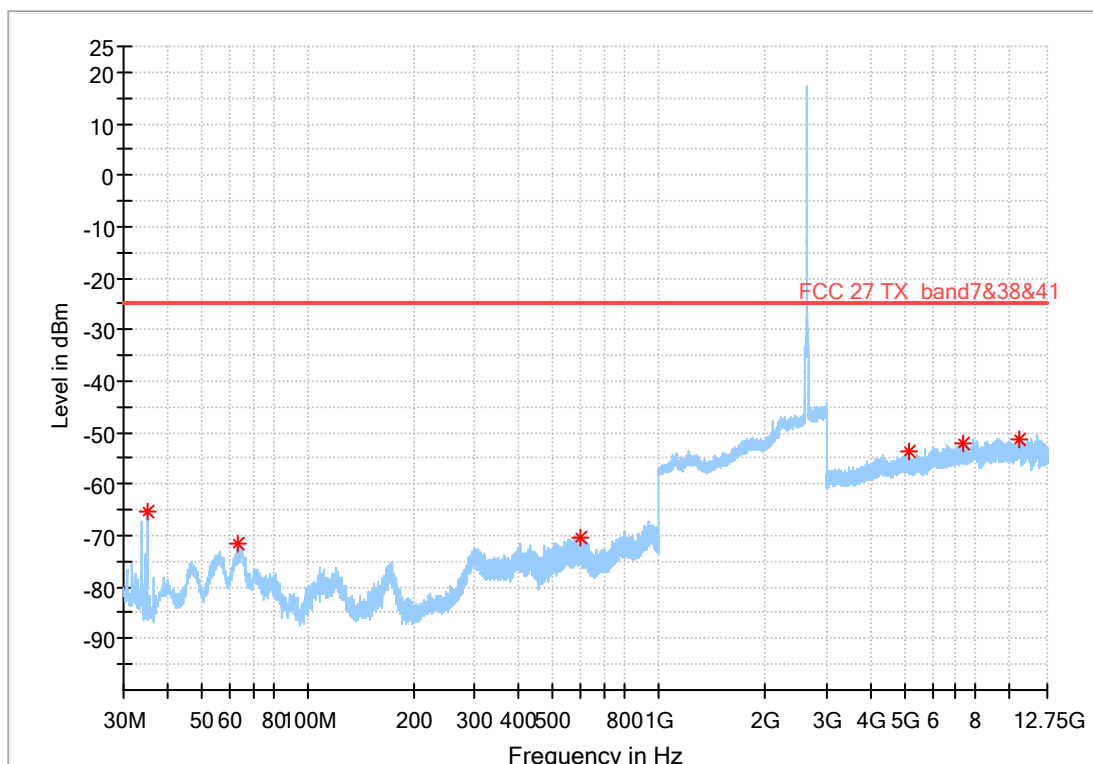
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7.1.1.5. Test Channel = HCH_Vertical

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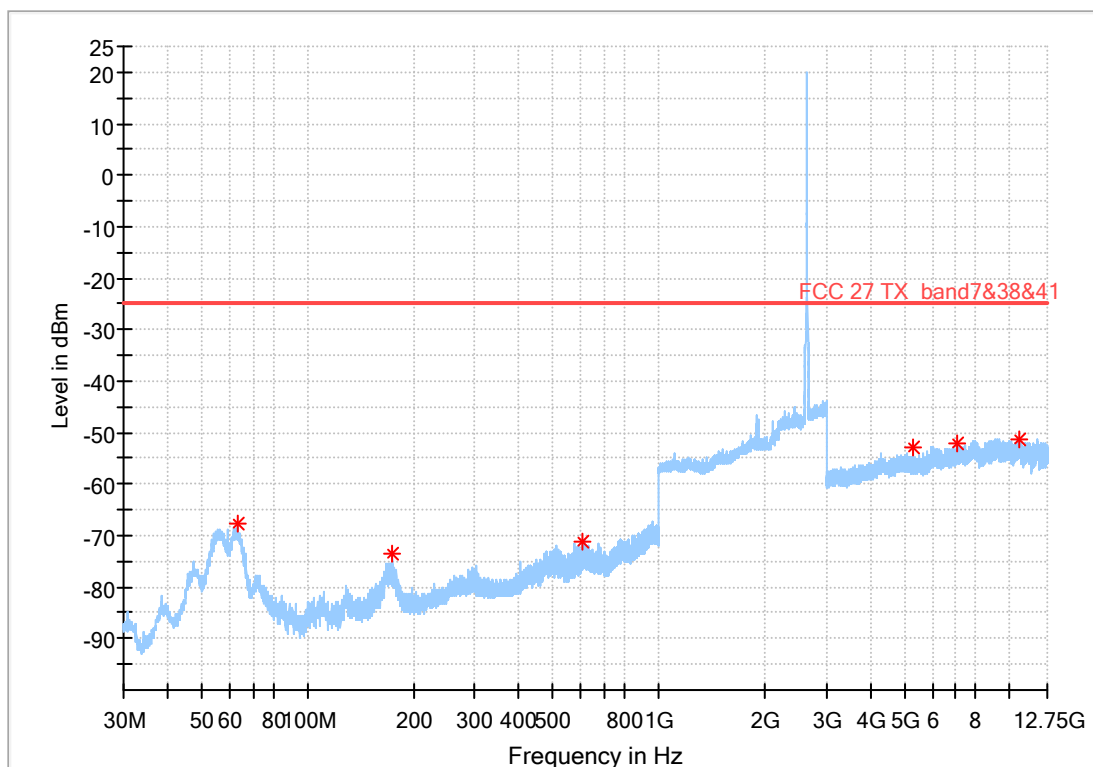
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7.1.1.6. Test Channel = HCH_Horizontal

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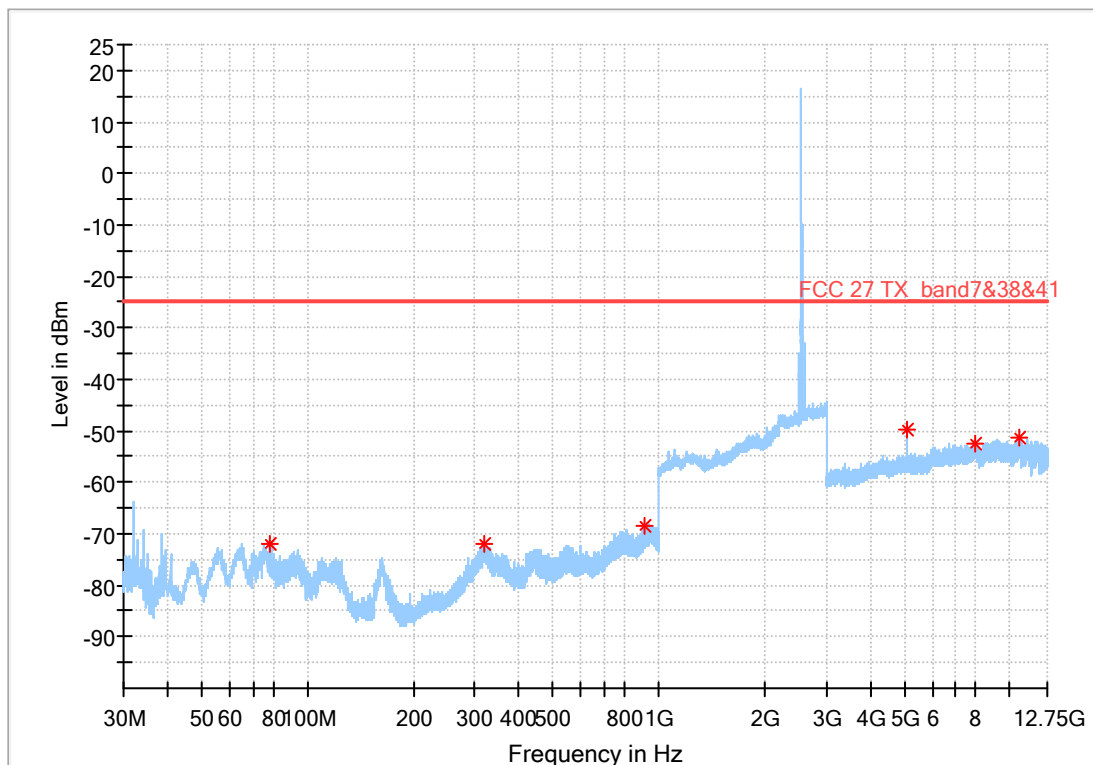
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7.1.2. Test Mode = LTE/TM1 (Up Ant)

7.1.2.1. Test Channel = LCH_Vertical

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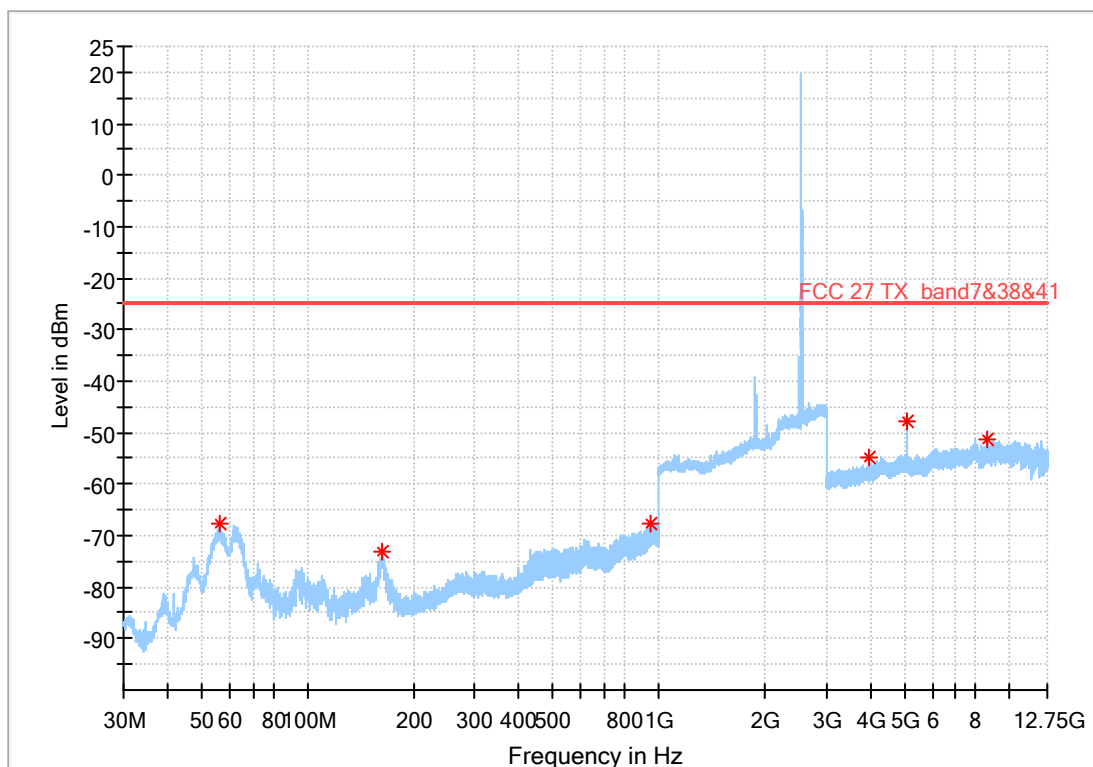
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7.1.2.2. Test Channel = LCH_Horizontal

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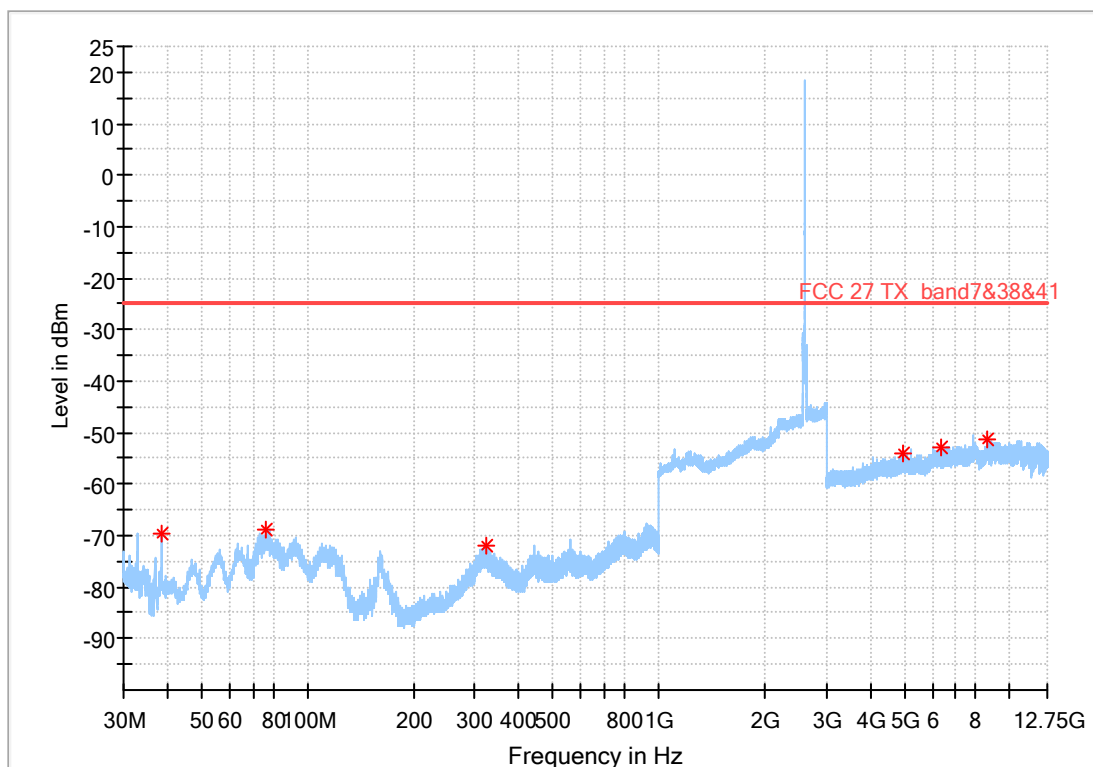
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7.1.2.3. Test Channel = MCH_ Vertical

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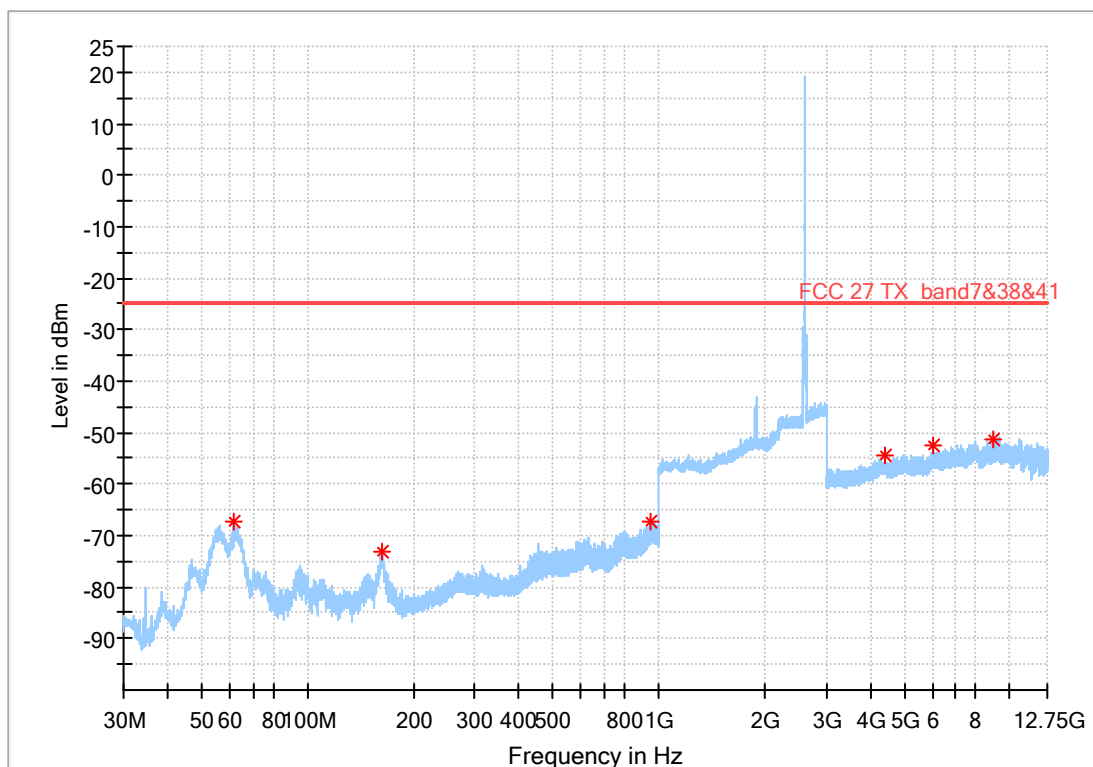
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7.1.2.4. Test Channel = MCH_ Horizontal

Full Spectrum



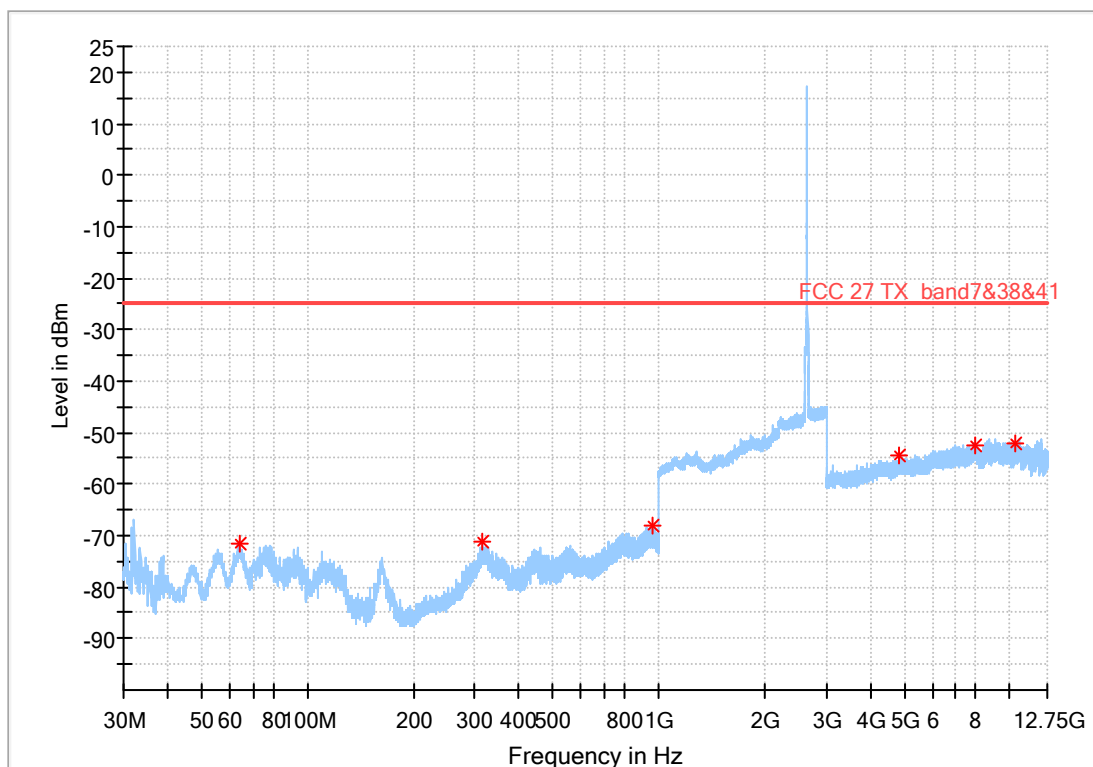
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7.1.2.5. Test Channel = HCH_Vertical

Full Spectrum



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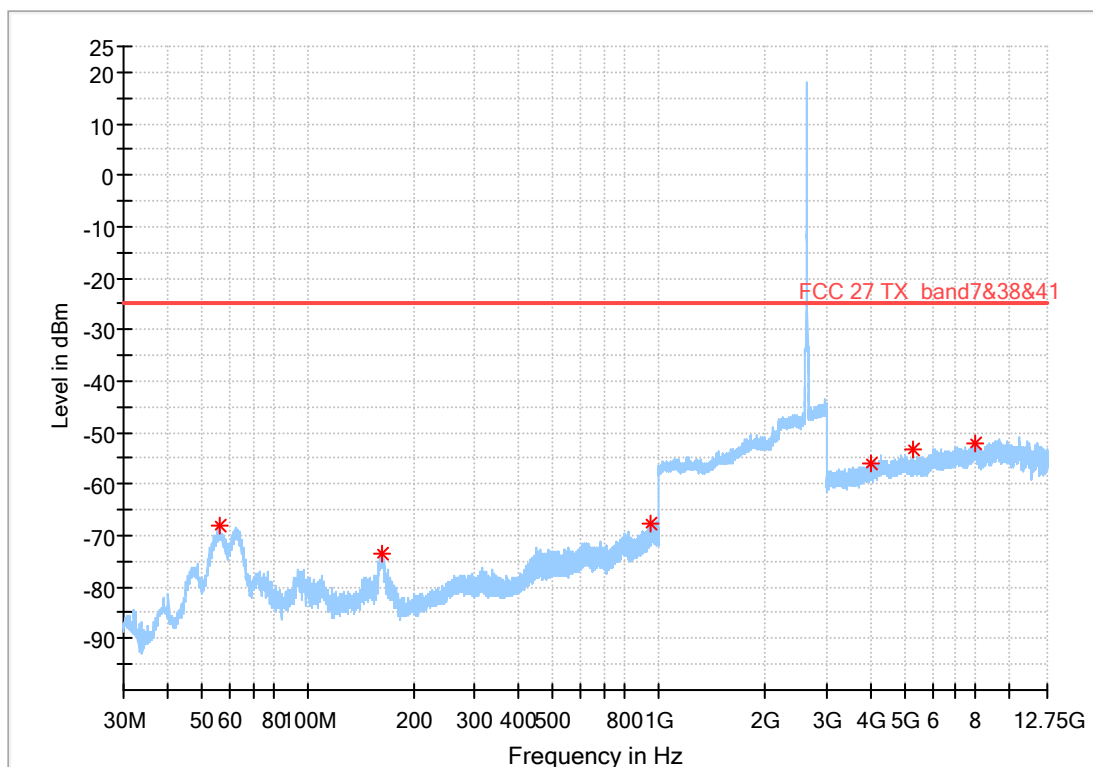
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7.1.2.6. Test Channel = HCH_Horizontal

Full Spectrum



Remark:

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 had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	-5.90	-0.002318	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	-7.00	-0.002750	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	-7.20	-0.002829	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-15.00	-0.005780	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-14.70	-0.005665	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-15.00	-0.005780	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-16.00	-0.006049	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	-14.90	-0.005633	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	-16.10	-0.006087	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	-6.60	-0.002593	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	-8.20	-0.003222	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-7.60	-0.002986	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	-15.20	-0.005857	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	-14.80	-0.005703	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-15.20	-0.005857	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	-15.50	-0.005860	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	-16.80	-0.006352	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	-16.90	-0.006389	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	-7.20	-0.002829	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	-7.70	-0.003026	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	-6.70	-0.002633	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-15.20	-0.005857	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-14.60	-0.005626	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-15.20	-0.005857	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-14.70	-0.005558	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-16.00	-0.006049	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	-15.80	-0.005974	±2.5	PASS



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8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	NV	-30	-7.00	-0.002750	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	-6.50	-0.002554	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-7.00	-0.002750	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	-6.60	-0.002593	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	-6.90	-0.002711	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	-7.60	-0.002986	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-7.60	-0.002986	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	-6.80	-0.002672	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-14.30	-0.005511	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-15.10	-0.005819	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-14.70	-0.005665	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-14.30	-0.005511	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	-14.00	-0.005395	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-13.50	-0.005202	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-14.40	-0.005549	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-15.40	-0.005934	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	-14.70	-0.005558	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	-15.70	-0.005936	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-15.30	-0.005784	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	-16.10	-0.006087	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	-16.30	-0.006163	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	-15.40	-0.005822	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	-15.50	-0.005860	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-16.60	-0.006276	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	-7.20	-0.002829	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	-7.50	-0.002947	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	-7.30	-0.002868	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	-7.30	-0.002868	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	-6.80	-0.002672	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	-7.60	-0.002986	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	40	-7.40	-0.002908	±2.5	PASS



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Band41	20MHz	64QAM	40140	100RB#0	NV	50	-7.20	-0.002829	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	-15.70	-0.006050	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	-14.30	-0.005511	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-15.30	-0.005896	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-15.40	-0.005934	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	-16.40	-0.006320	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-16.00	-0.006166	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	40	-15.50	-0.005973	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	-15.00	-0.005780	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	-16.40	-0.006200	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-16.90	-0.006389	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	-16.00	-0.006049	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	-15.90	-0.006011	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	-15.70	-0.005936	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	-15.30	-0.005784	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	-15.30	-0.005784	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	-16.50	-0.006238	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	-7.20	-0.002829	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-7.30	-0.002868	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-8.00	-0.003143	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	-6.70	-0.002633	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-7.30	-0.002868	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	30	-7.40	-0.002908	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	-7.70	-0.003026	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	-7.50	-0.002947	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-14.30	-0.005511	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-14.60	-0.005626	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	-14.80	-0.005703	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-16.50	-0.006358	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-14.70	-0.005665	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-15.40	-0.005934	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-14.50	-0.005588	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	-15.00	-0.005780	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-15.40	-0.005822	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	-15.60	-0.005898	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-16.10	-0.006087	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	-14.80	-0.005595	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	-15.60	-0.005898	±2.5	PASS



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Band41	20MHz	16QAM	41140	100RB#0	NV	30	-16.40	-0.006200	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	-16.50	-0.006238	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	-16.90	-0.006389	±2.5	PASS

The End



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