



# Appendix B

## E-UTRA Band 41



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# 1 Effective (Isotropic) Radiated Power

## 1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	23.60	24.23	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#12	23.60	24.23	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#24	23.74	24.37	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#0	22.53	23.16	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#6	22.54	23.17	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#13	22.67	23.3	33.00	PASS
Band41	5MHz	QPSK	40065	25RB#0	22.62	23.25	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#0	23.72	24.35	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#12	23.48	24.11	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#24	23.51	24.14	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#0	22.56	23.19	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#6	22.49	23.12	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#13	22.61	23.24	33.00	PASS
Band41	5MHz	QPSK	40640	25RB#0	22.55	23.18	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	23.31	23.94	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	23.15	23.78	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	23.34	23.97	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	22.18	22.81	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	22.13	22.76	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	22.22	22.85	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	22.28	22.91	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#0	22.08	22.71	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#12	22.41	23.04	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#24	22.21	22.84	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#0	21.46	22.09	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#6	21.45	22.08	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#13	21.27	21.9	33.00	PASS
Band41	5MHz	16QAM	40065	25RB#0	21.62	22.25	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#0	22.06	22.69	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#12	22.26	22.89	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#24	22.15	22.78	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#0	21.52	22.15	33.00	PASS



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Band41	5MHz	16QAM	40640	12RB#6	21.47	22.1	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#13	21.47	22.1	33.00	PASS
Band41	5MHz	16QAM	40640	25RB#0	21.63	22.26	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.68	22.31	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.94	22.57	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.87	22.5	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	21.04	21.67	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	21.05	21.68	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	21.01	21.64	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	21.20	21.83	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#0	21.31	21.94	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#12	21.22	21.85	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#24	21.50	22.13	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#0	20.53	21.16	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#6	20.70	21.33	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#13	20.77	21.4	33.00	PASS
Band41	5MHz	64QAM	40065	25RB#0	20.63	21.26	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#0	21.38	22.01	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#12	21.38	22.01	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#24	21.42	22.05	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#0	20.45	21.08	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#6	20.47	21.1	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#13	20.63	21.26	33.00	PASS
Band41	5MHz	64QAM	40640	25RB#0	20.69	21.32	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	21.27	21.9	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.97	21.6	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.99	21.62	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	20.22	20.85	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	20.08	20.71	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	20.37	21	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	20.28	20.91	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#0	23.57	24.2	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#24	23.83	24.46	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#49	23.64	24.27	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#0	22.64	23.27	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#12	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#25	22.78	23.41	33.00	PASS
Band41	10MHz	QPSK	40090	50RB#0	22.69	23.32	33.00	PASS



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Band41	10MHz	QPSK	40640	1RB#0	23.81	24.44	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#24	23.73	24.36	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#49	23.25	23.88	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#0	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#12	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#25	22.53	23.16	33.00	PASS
Band41	10MHz	QPSK	40640	50RB#0	22.55	23.18	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	23.39	24.02	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	23.31	23.94	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	23.13	23.76	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	22.37	23	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	22.28	22.91	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	22.24	22.87	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	22.30	22.93	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.91	22.54	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#24	22.08	22.71	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.95	22.58	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#0	21.59	22.22	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#12	21.74	22.37	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#25	21.67	22.3	33.00	PASS
Band41	10MHz	16QAM	40090	50RB#0	21.69	22.32	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#0	22.35	22.98	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#24	22.41	23.04	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.97	22.6	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#0	21.73	22.36	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#12	21.63	22.26	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#25	21.71	22.34	33.00	PASS
Band41	10MHz	16QAM	40640	50RB#0	21.52	22.15	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	22.38	23.01	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	22.18	22.81	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.85	22.48	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	21.24	21.87	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	21.38	22.01	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	21.16	21.79	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	21.20	21.83	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#0	21.48	22.11	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#24	21.51	22.14	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#49	21.42	22.05	33.00	PASS



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Band41	10MHz	64QAM	40090	25RB#0	20.65	21.28	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#12	20.84	21.47	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#25	20.67	21.3	33.00	PASS
Band41	10MHz	64QAM	40090	50RB#0	20.77	21.4	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#0	21.58	22.21	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#24	21.22	21.85	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#49	21.05	21.68	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#0	20.46	21.09	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#12	20.57	21.2	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#25	20.49	21.12	33.00	PASS
Band41	10MHz	64QAM	40640	50RB#0	20.66	21.29	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	21.02	21.65	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	21.04	21.67	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.79	21.42	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	20.27	20.9	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	20.25	20.88	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	20.23	20.86	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	20.44	21.07	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#0	23.64	24.27	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#38	23.56	24.19	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#74	23.65	24.28	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#0	23.81	24.44	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#18	23.68	24.31	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#37	23.62	24.25	33.00	PASS
Band41	15MHz	QPSK	40115	75RB#0	22.74	23.37	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#0	23.79	24.42	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#38	23.46	24.09	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#74	23.37	24	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#0	23.77	24.4	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#18	23.72	24.35	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#37	23.56	24.19	33.00	PASS
Band41	15MHz	QPSK	40640	75RB#0	22.71	23.34	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	23.35	23.98	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	23.15	23.78	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	23.20	23.83	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#0	23.28	23.91	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#18	23.26	23.89	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#37	23.35	23.98	33.00	PASS



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Band41	15MHz	QPSK	41165	75RB#0	22.42	23.05	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#0	22.14	22.77	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#38	22.10	22.73	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#74	22.05	22.68	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#0	22.45	23.08	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#18	22.33	22.96	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#37	22.27	22.9	33.00	PASS
Band41	15MHz	16QAM	40115	75RB#0	21.65	22.28	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#0	22.10	22.73	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#38	22.25	22.88	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.97	22.6	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#0	22.84	23.47	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#18	22.25	22.88	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#37	22.35	22.98	33.00	PASS
Band41	15MHz	16QAM	40640	75RB#0	21.68	22.31	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	22.08	22.71	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.95	22.58	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	22.21	22.84	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#0	22.36	22.99	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#18	21.89	22.52	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#37	22.14	22.77	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	21.44	22.07	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#0	21.47	22.1	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#38	21.39	22.02	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#74	21.27	21.9	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#0	21.52	22.15	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#18	21.48	22.11	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#37	21.55	22.18	33.00	PASS
Band41	15MHz	64QAM	40115	75RB#0	20.54	21.17	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#0	21.66	22.29	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#38	21.16	21.79	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#74	21.12	21.75	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#0	21.60	22.23	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#18	21.52	22.15	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#37	21.15	21.78	33.00	PASS
Band41	15MHz	64QAM	40640	75RB#0	20.66	21.29	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	21.29	21.92	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	21.28	21.91	33.00	PASS



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Band41	15MHz	64QAM	41165	1RB#74	21.00	21.63	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#0	21.04	21.67	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#18	21.28	21.91	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#37	21.15	21.78	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	20.29	20.92	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#0	23.62	24.25	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#49	23.69	24.32	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#99	23.47	24.1	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#0	22.78	23.41	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#25	22.77	23.4	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#50	22.57	23.2	33.00	PASS
Band41	20MHz	QPSK	40140	100RB#0	22.79	23.42	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#0	23.63	24.26	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#49	23.77	24.4	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#99	23.08	23.71	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#0	22.70	23.33	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#25	22.65	23.28	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#50	22.51	23.14	33.00	PASS
Band41	20MHz	QPSK	40640	100RB#0	22.57	23.2	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	23.18	23.81	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	23.71	24.34	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.99	23.62	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.40	23.03	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	22.29	22.92	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	22.28	22.91	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	22.43	23.06	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#0	22.00	22.63	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.14	22.77	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#99	21.94	22.57	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#0	21.63	22.26	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#25	21.86	22.49	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#50	21.74	22.37	33.00	PASS
Band41	20MHz	16QAM	40140	100RB#0	21.62	22.25	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#0	22.28	22.91	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#49	22.88	23.51	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#99	21.82	22.45	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#0	21.55	22.18	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#25	21.45	22.08	33.00	PASS



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Band41	20MHz	16QAM	40640	50RB#50	21.37	22	33.00	PASS
Band41	20MHz	16QAM	40640	100RB#0	21.45	22.08	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	21.78	22.41	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.71	23.34	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.74	22.37	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.32	21.95	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	21.27	21.9	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	21.25	21.88	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.34	21.97	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#0	21.37	22	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#49	20.81	21.44	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#99	21.33	21.96	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#0	20.69	21.32	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#25	20.75	21.38	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#50	20.63	21.26	33.00	PASS
Band41	20MHz	64QAM	40140	100RB#0	20.65	21.28	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#0	21.73	22.36	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#49	21.27	21.9	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.90	21.53	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#0	20.68	21.31	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#25	20.67	21.3	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#50	20.55	21.18	33.00	PASS
Band41	20MHz	64QAM	40640	100RB#0	20.55	21.18	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	20.82	21.45	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	20.99	21.62	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.78	21.41	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	20.45	21.08	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	20.33	20.96	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	20.32	20.95	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	20.32	20.95	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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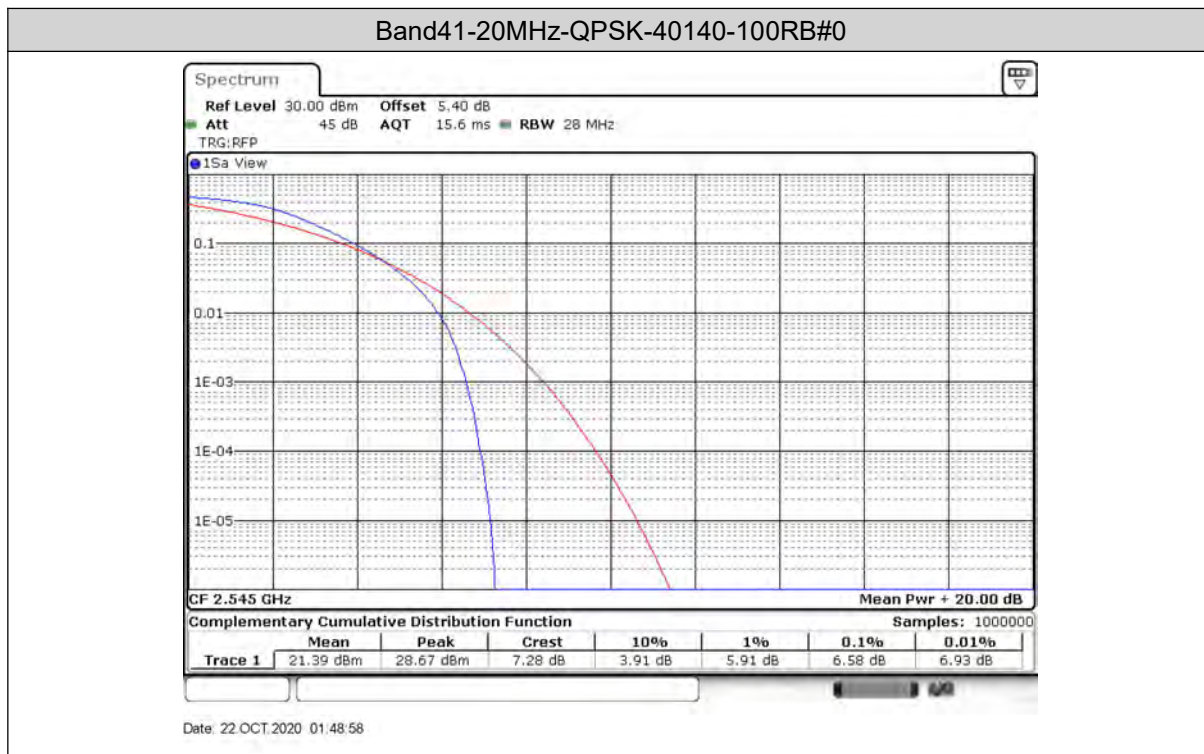


## 2 Peak-to-Average Ratio (CCDF)

### 2.1 Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	6.58	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	7.04	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	6.84	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	7.57	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	7.88	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	7.80	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	8.20	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	8.41	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	8.43	13	PASS

### 2.2 Test Plots



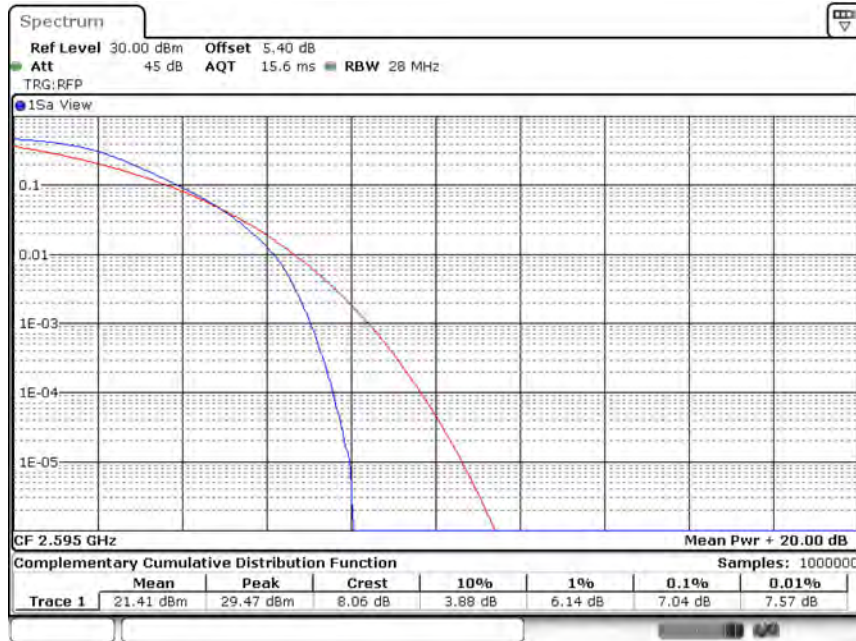
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**Band41-20MHz-QPSK-40640-100RB#0**



Date: 22.OCT.2020 01:49:26

**Band41-20MHz-QPSK-41140-100RB#0**

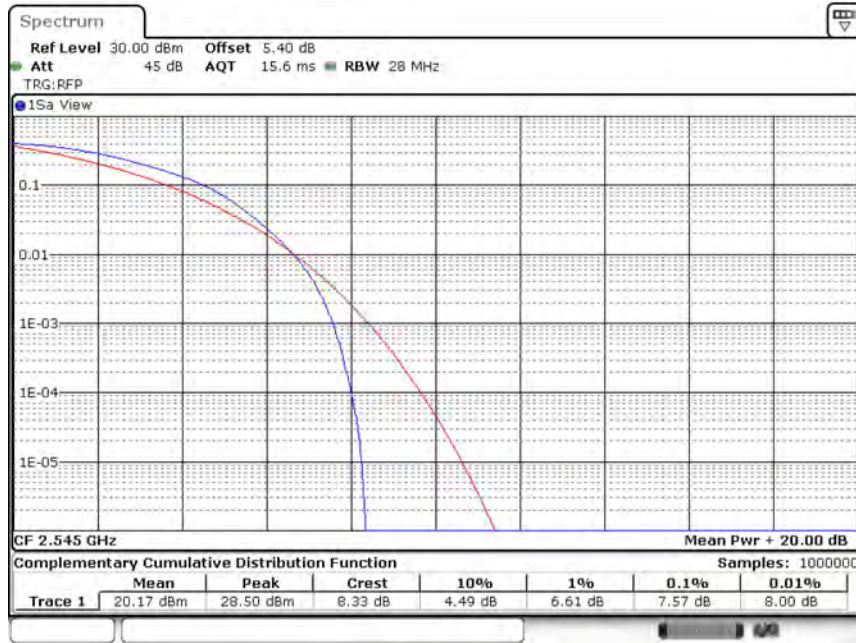


Date: 22.OCT.2020 01:49:56



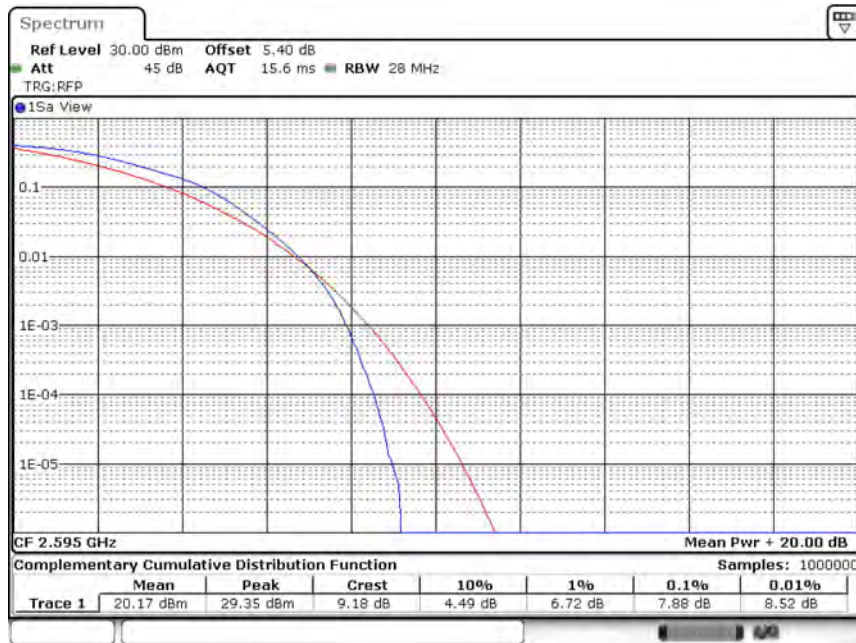
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**Band41-20MHz-16QAM-40140-100RB#0**



Date: 22.OCT.2020 01:49:12

**Band41-20MHz-16QAM-40640-100RB#0**



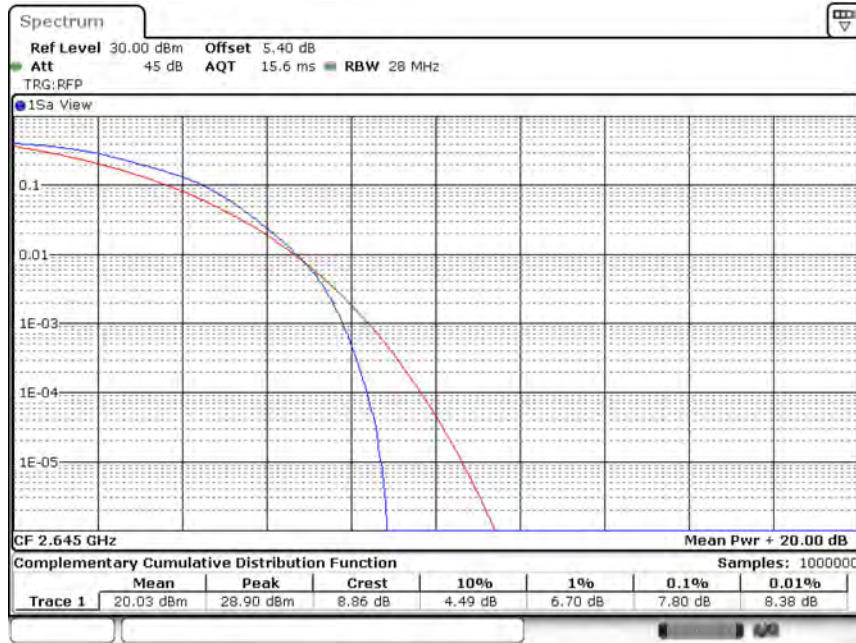
Date: 22.OCT.2020 01:49:41



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**Band41-20MHz-16QAM-41140-100RB#0**



Date: 22.OCT.2020 01:50:10

**Band41-20MHz-64QAM-40140-100RB#0**



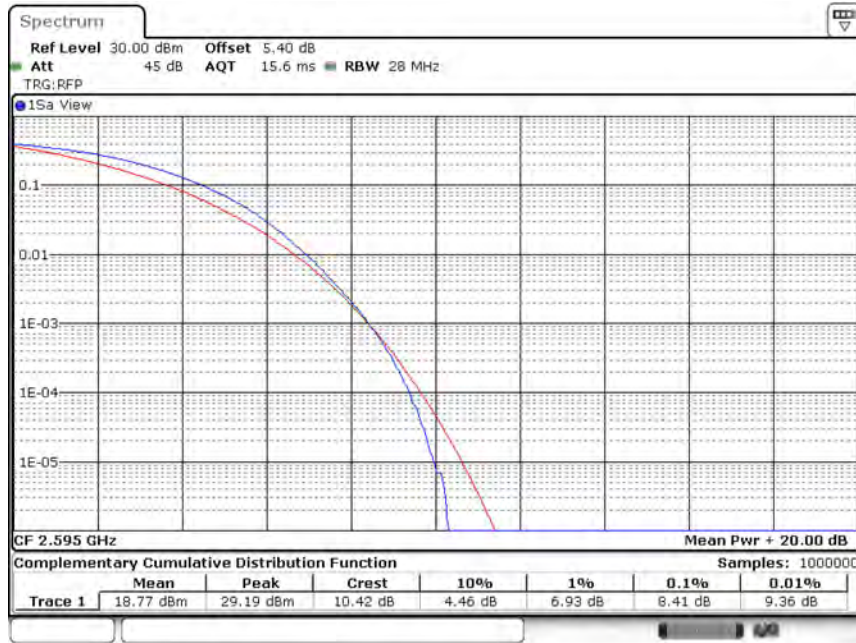
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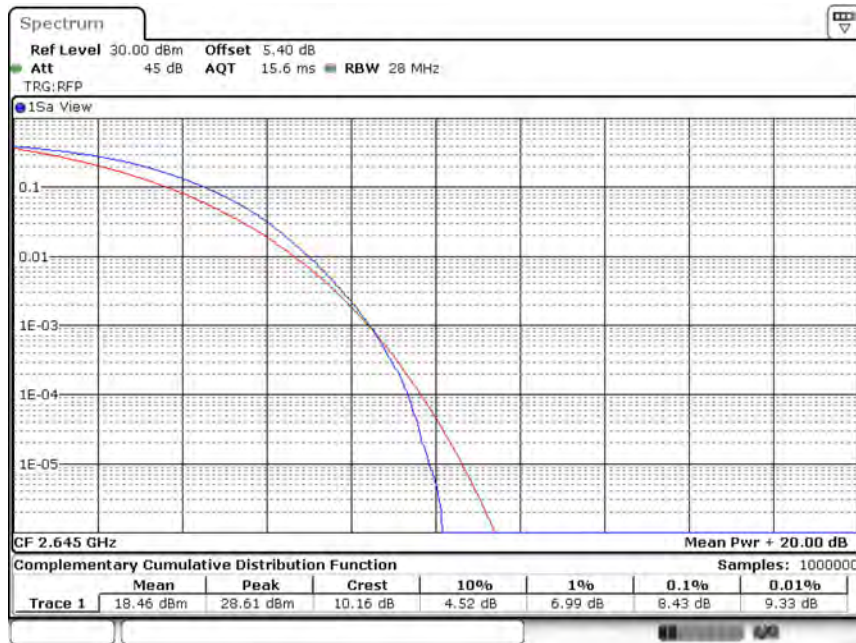


**Band41-20MHz-64QAM-40640-100RB#0**



Date: 22.OCT.2020 12:22:11

**Band41-20MHz-64QAM-41140-100RB#0**



Date: 22.OCT.2020 12:22:26



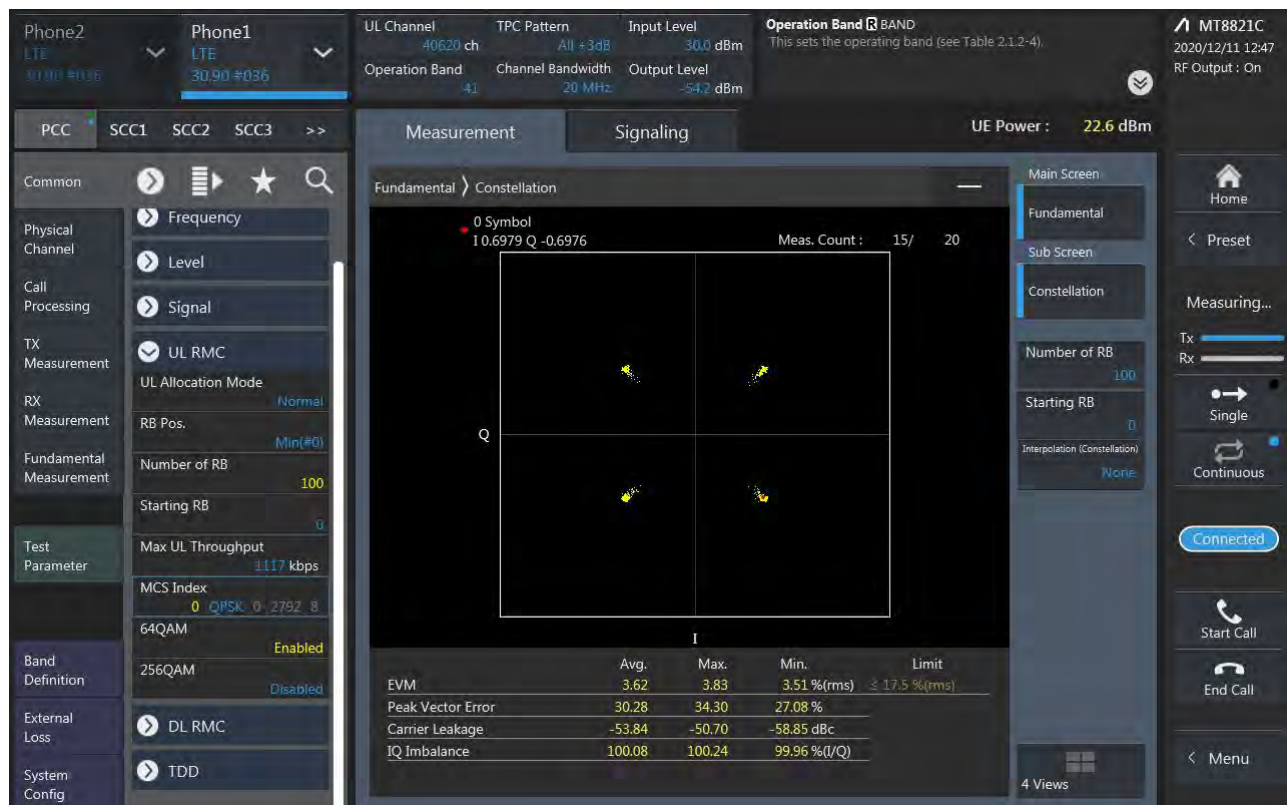
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### 3 Modulation Characteristics

#### 3.1 Test Mode = LTE /TM1 20MHz

##### 3.1.1 Test Channel = MCH



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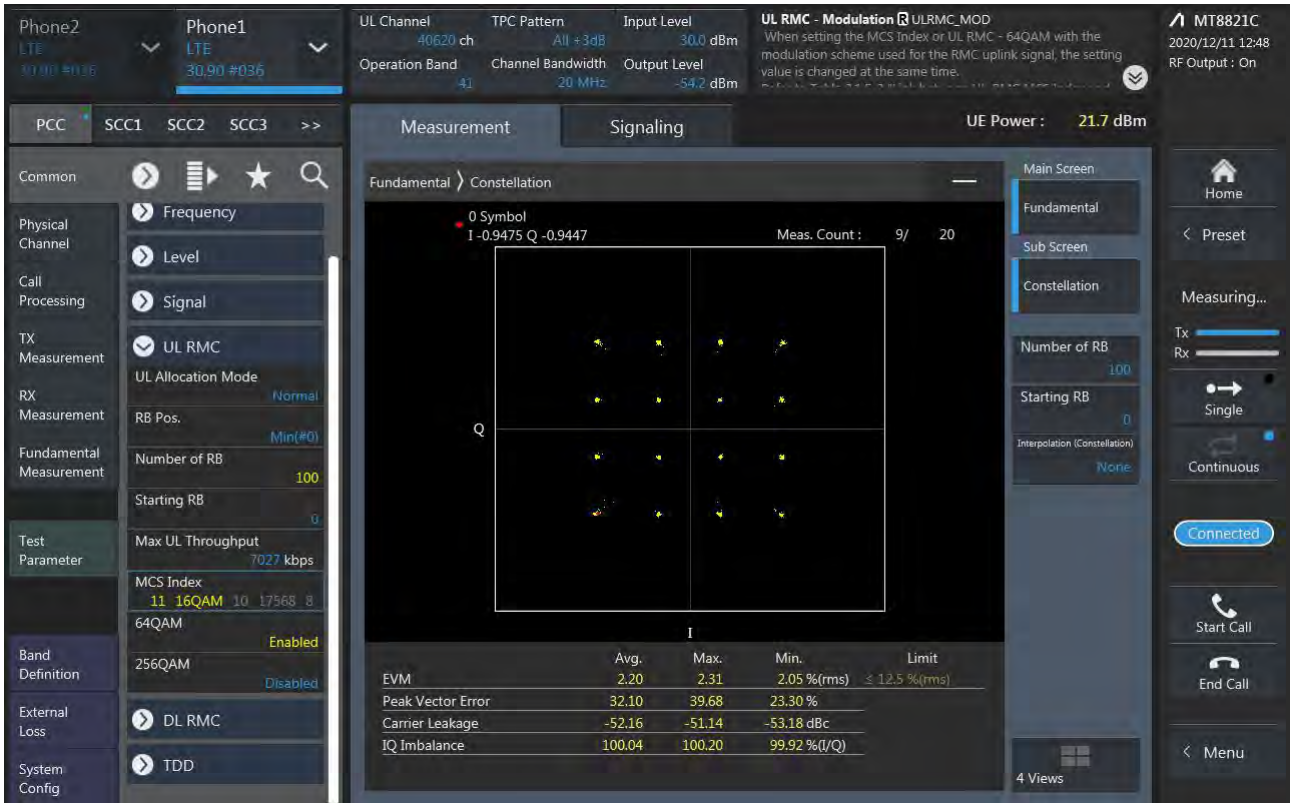
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### 3.2 Test Mode = LTE /TM2 20MHz

#### 3.2.1 Test Channel = MCH



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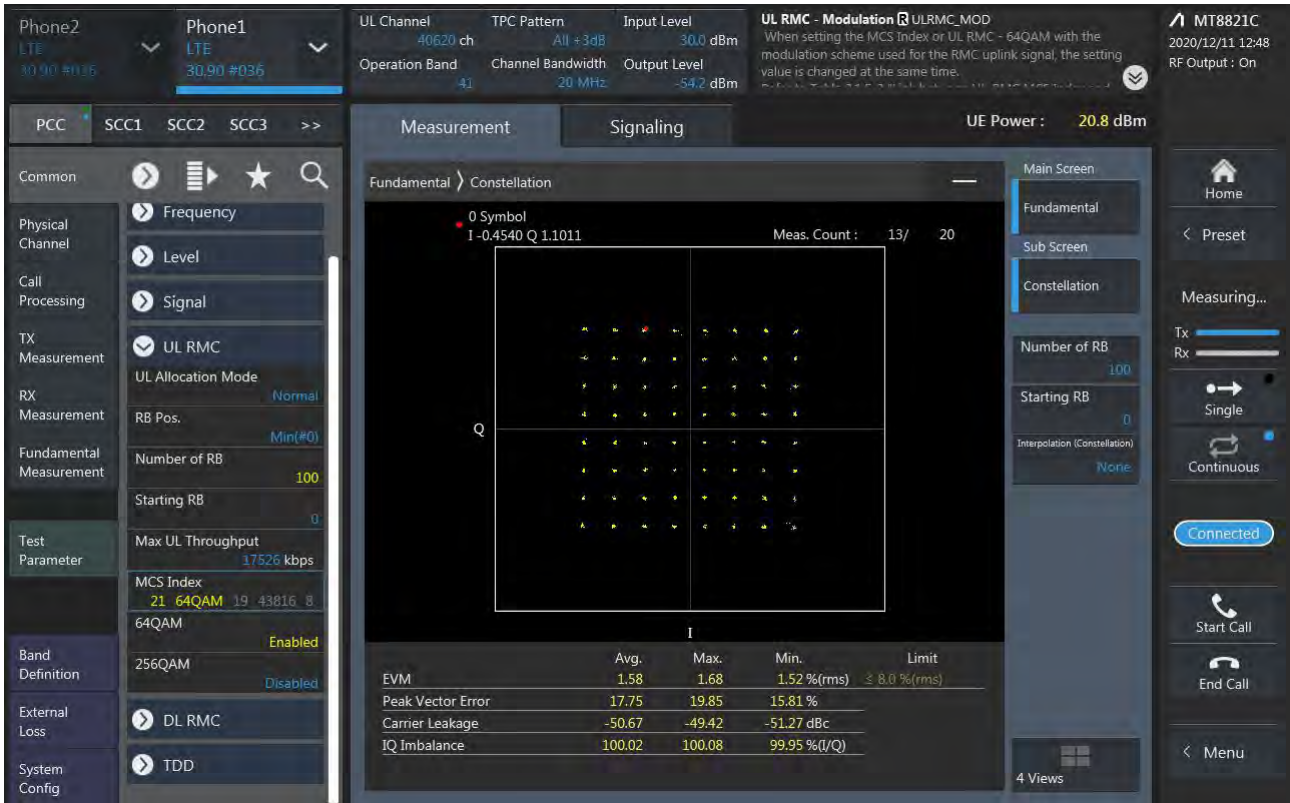
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### 3.3 Test Mode = LTE /TM3 20MHz

#### 3.3.1 Test Channel = MCH



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## 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	4.920	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.466	4.910	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.920	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.496	4.970	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.496	4.970	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.486	4.920	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.486	4.930	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.486	4.920	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.891	9.800	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.891	9.700	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.891	9.680	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.891	9.660	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.911	9.620	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.911	9.660	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.931	9.760	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.911	9.740	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.931	9.780	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.457	15.360	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.457	15.330	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.487	15.690	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.427	15.270	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.457	15.810	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.457	15.840	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.427	15.240	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.427	15.210	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.457	15.300	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.862	19.640	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.902	19.920	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.902	19.960	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.862	19.320	PASS



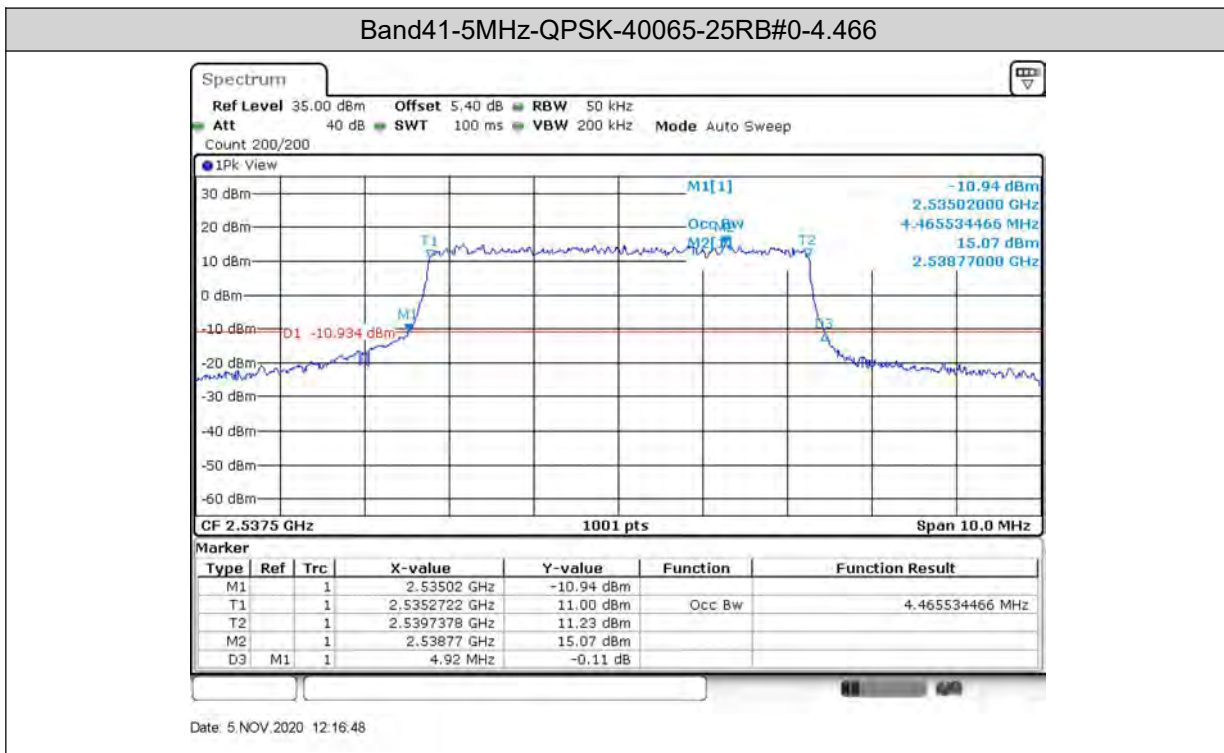
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Band41	20MHz	16QAM	40640	100RB#0	17.902	19.280	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.862	19.320	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.862	19.240	PASS
Band41	20MHz	64QAM	40640	100RB#0	17.902	19.320	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.862	19.320	PASS

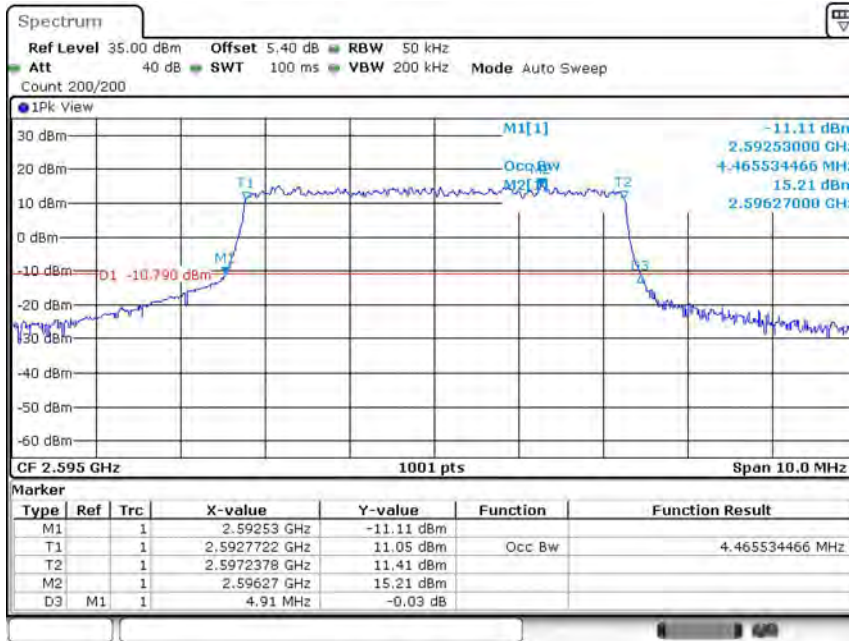
## 4.2 Test Plots



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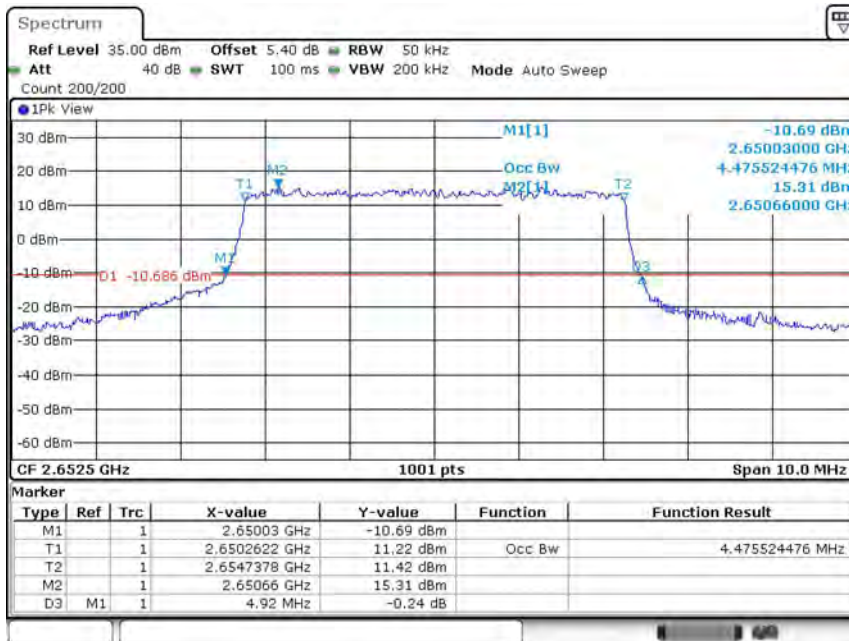


**Band41-5MHz-QPSK-40640-25RB#0-4.466**



Date: 5 NOV.2020 12:17:59

**Band41-5MHz-QPSK-41215-25RB#0-4.476**

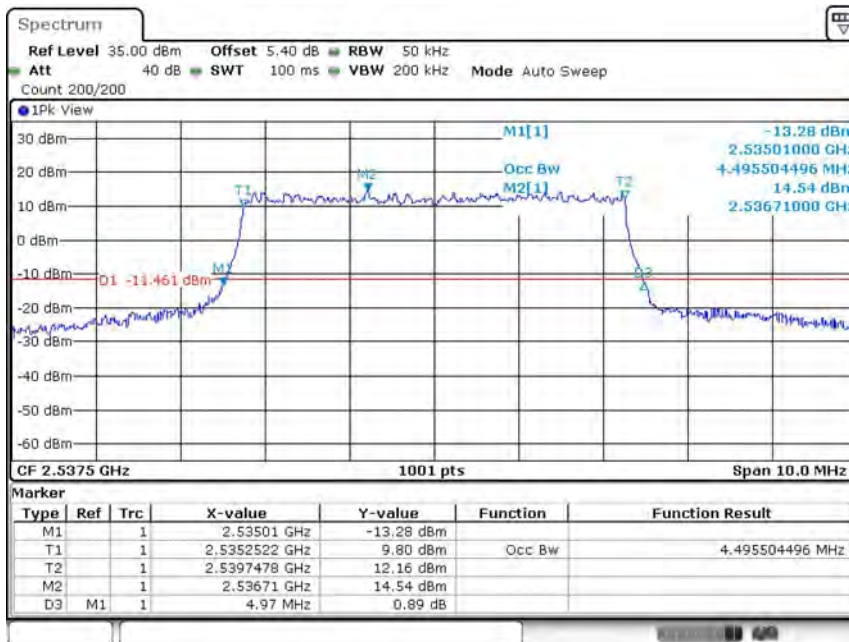


Date: 5 NOV.2020 12:19:10



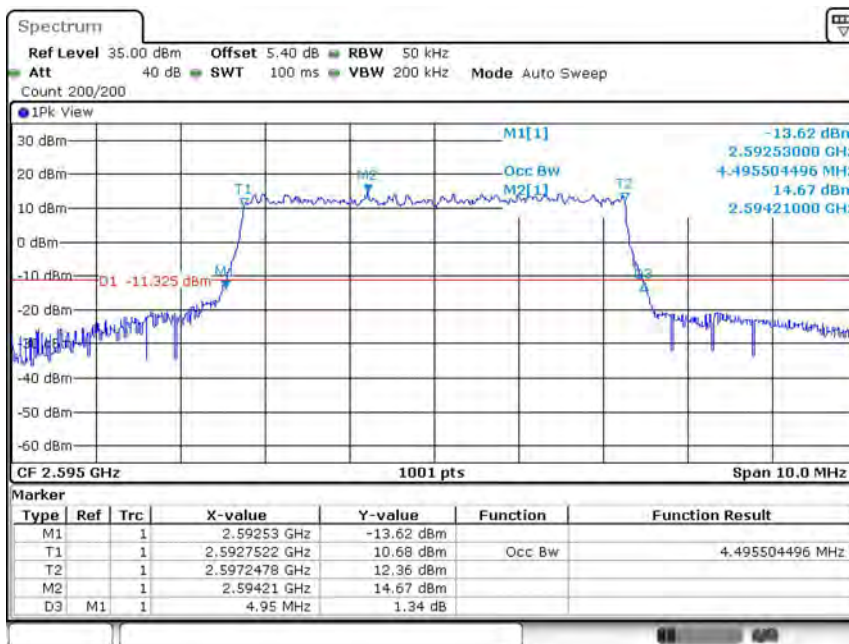
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**Band41-5MHz-16QAM-40065-25RB#0-4.496**



Date: 5 NOV.2020 12:17:23

**Band41-5MHz-16QAM-40640-25RB#0-4.496**



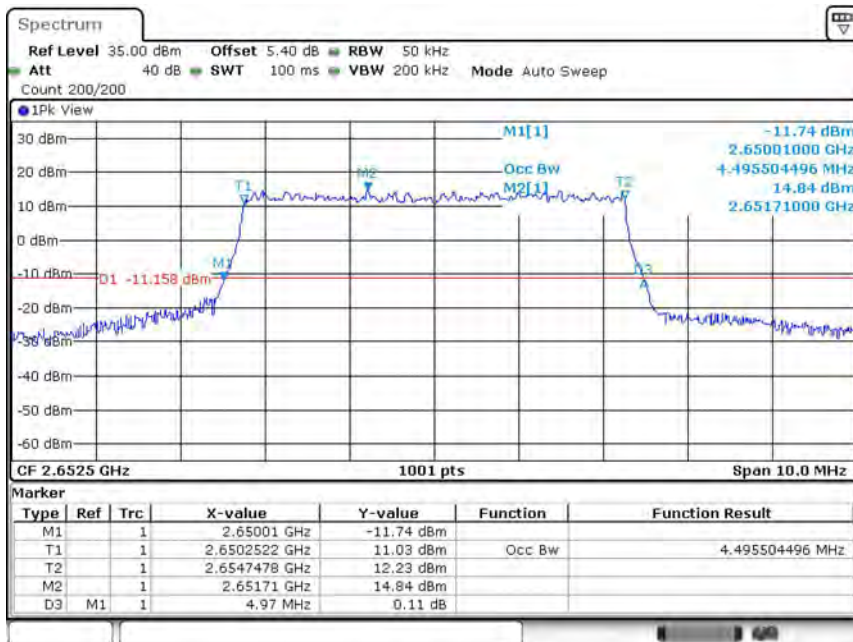
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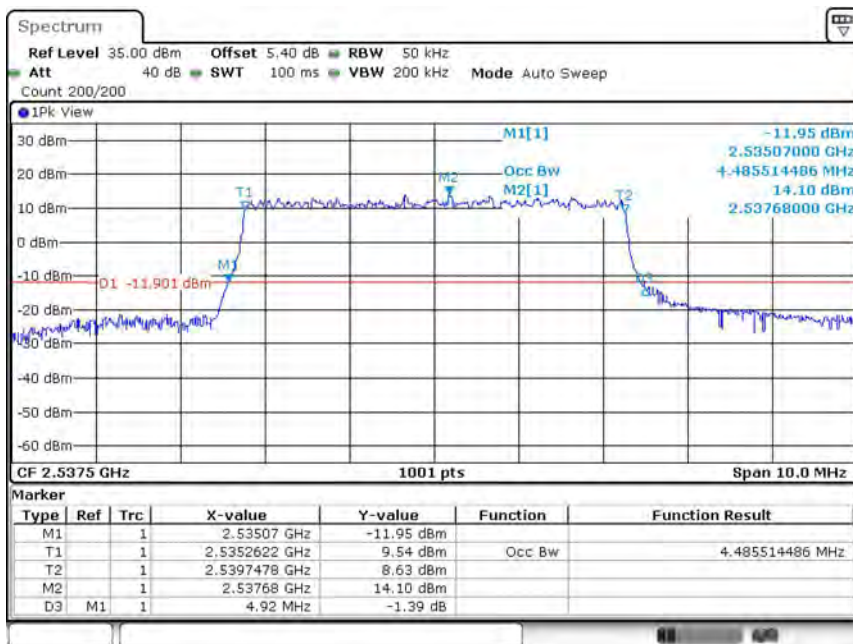


**Band41-5MHz-16QAM-41215-25RB#0-4.496**



Date: 5 NOV.2020 12:19:45

**Band41-5MHz-64QAM-40065-25RB#0-4.486**



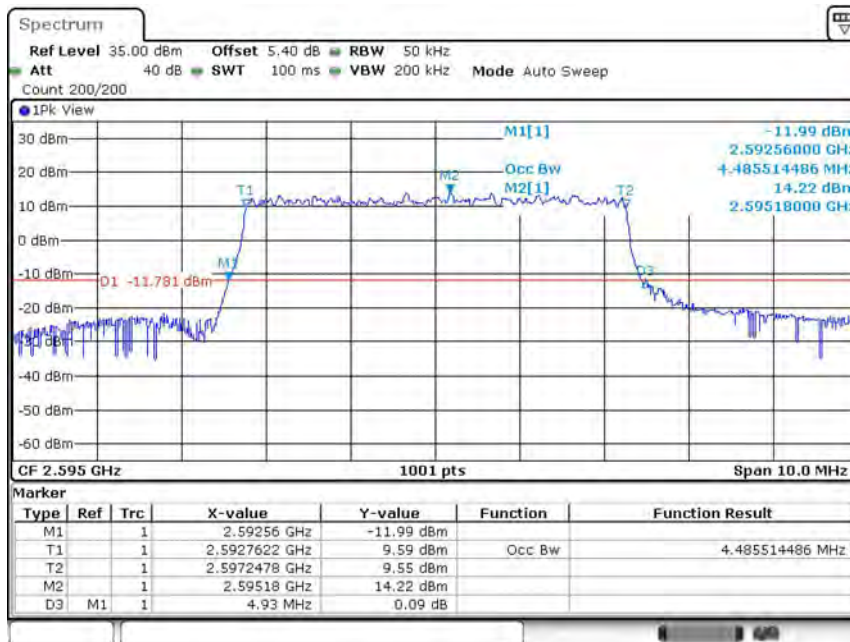
Date: 5 NOV.2020 12:43:19



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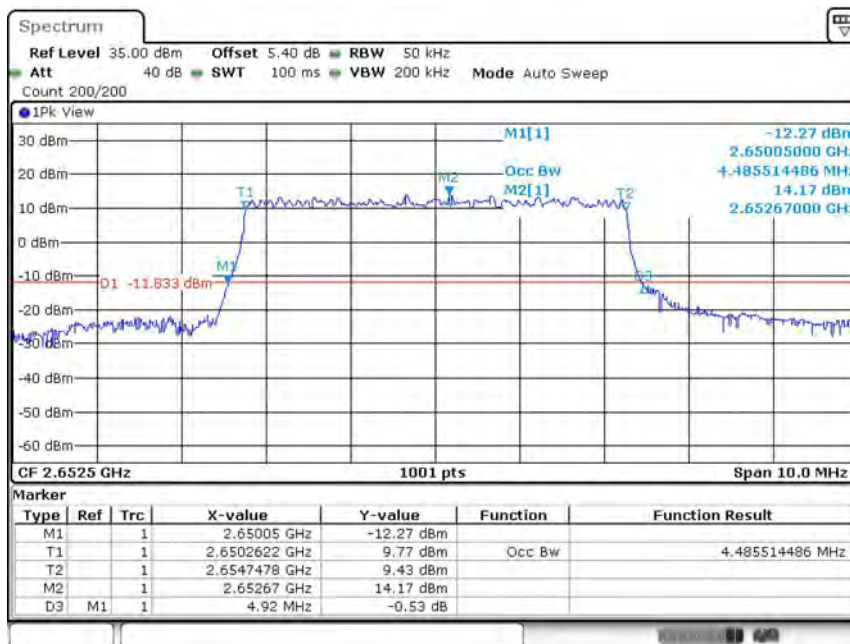


**Band41-5MHz-64QAM-40640-25RB#0-4.486**



Date: 5 NOV.2020 12:43:55

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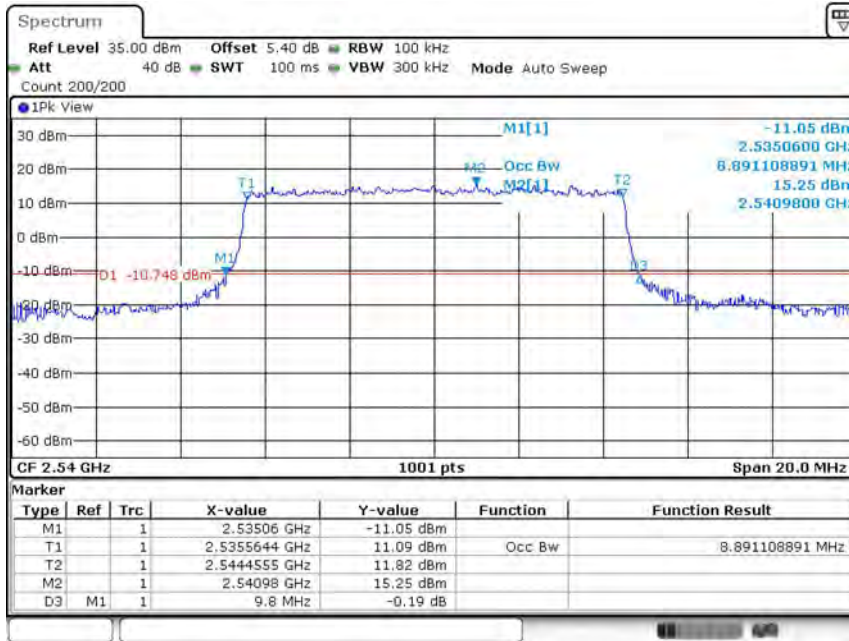


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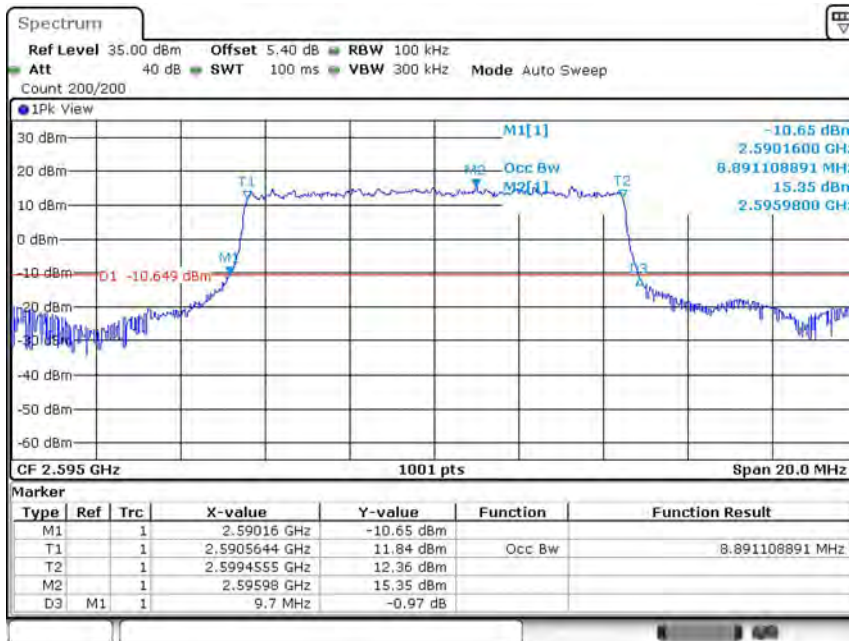
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**Band41-10MHz-QPSK-40090-50RB#0-8.891**



Date: 5 NOV.2020 12:20:25

**Band41-10MHz-QPSK-40640-50RB#0-8.891**



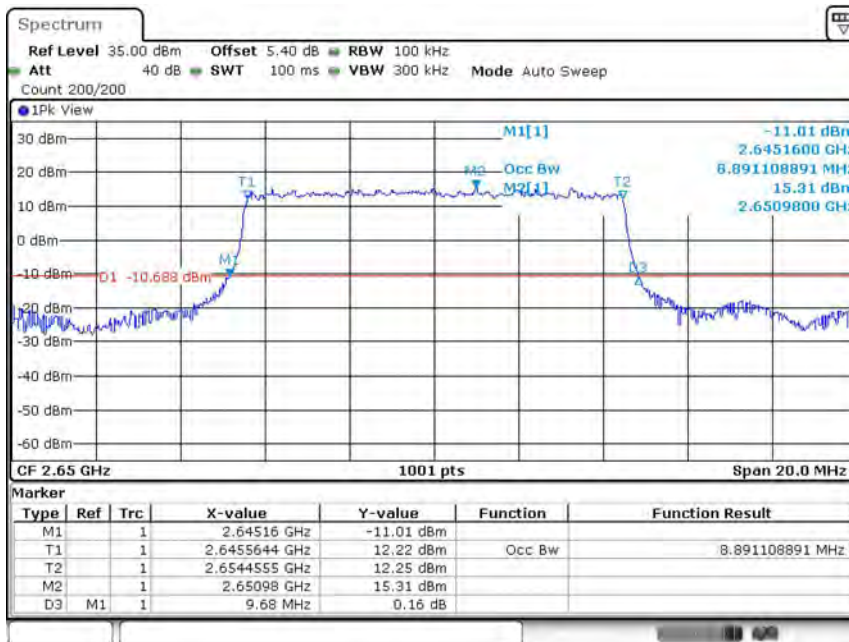
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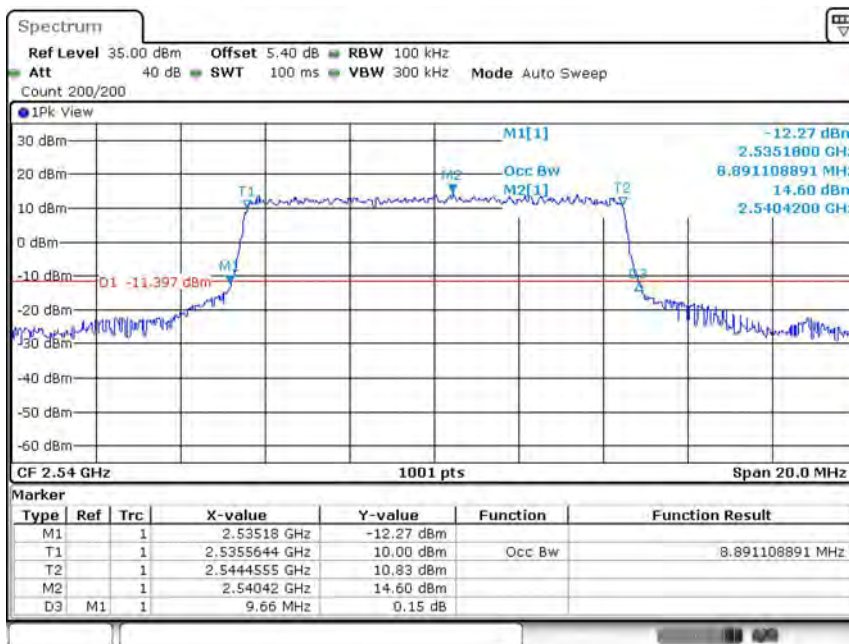


**Band41-10MHz-QPSK-41190-50RB#0-8.891**



Date: 5 NOV.2020 12:22:47

**Band41-10MHz-16QAM-40090-50RB#0-8.891**



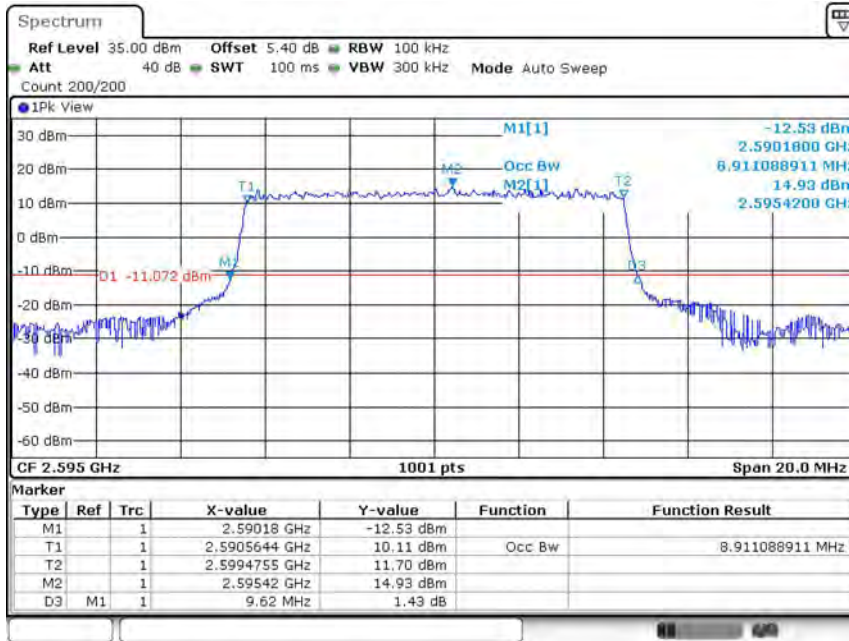
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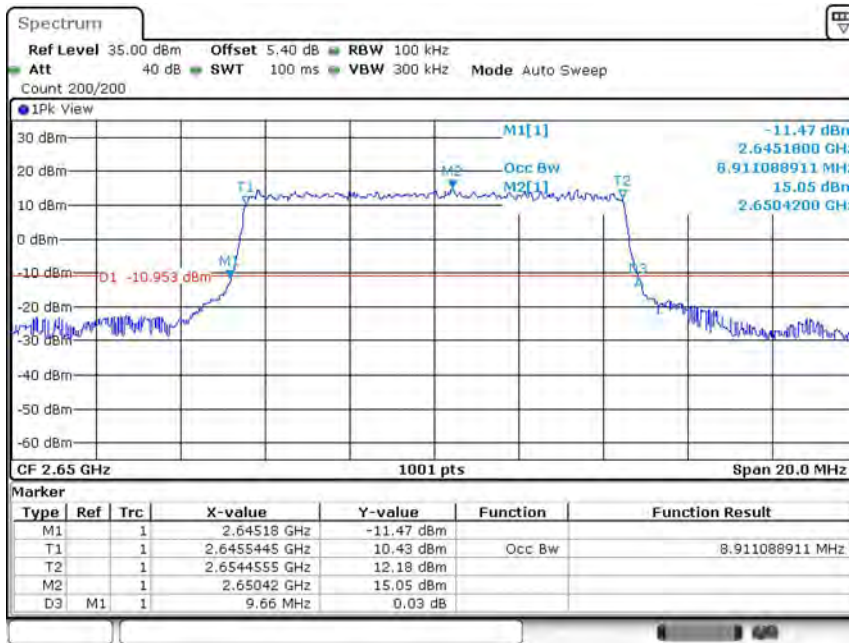


**Band41-10MHz-16QAM-40640-50RB#0-8.911**



Date: 5 NOV.2020 12:22:11

**Band41-10MHz-16QAM-41190-50RB#0-8.911**

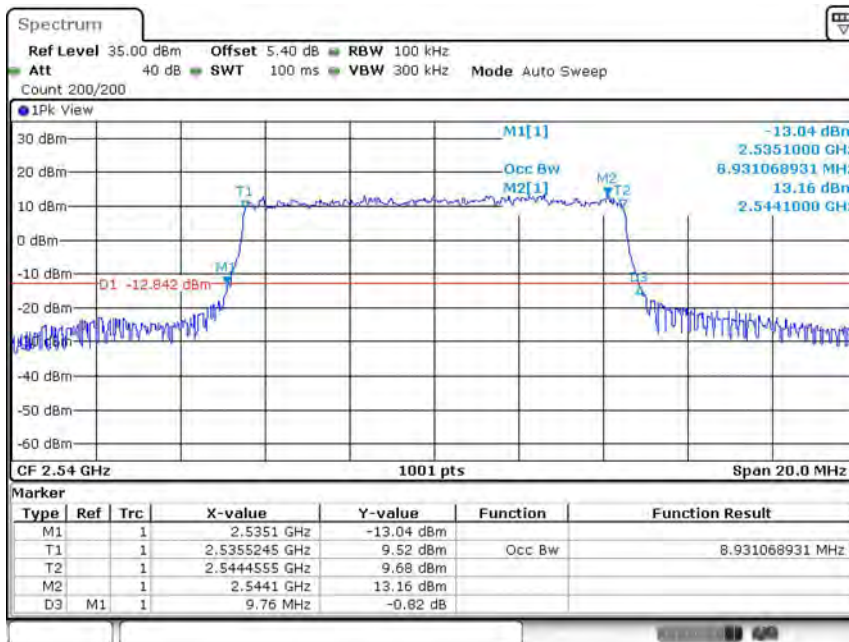


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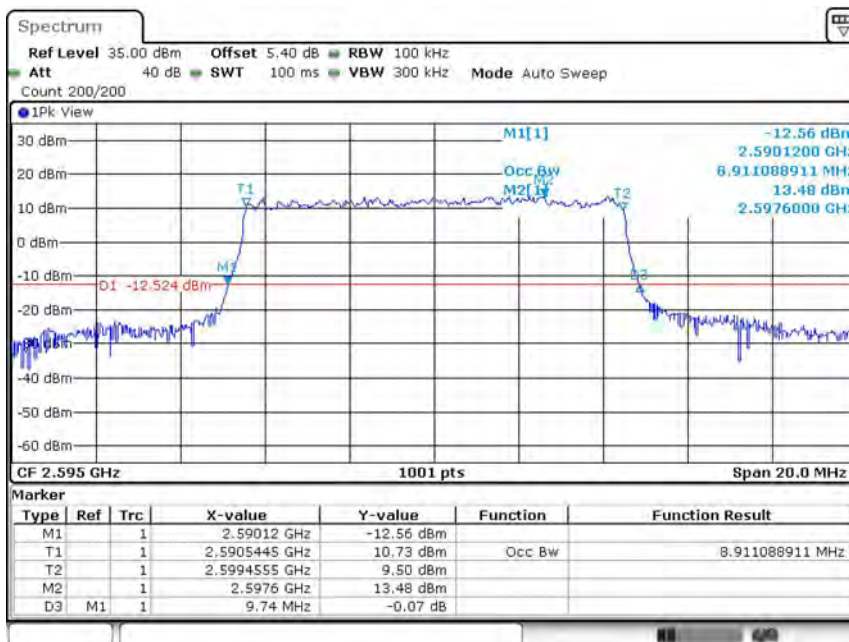
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**Band41-10MHz-64QAM-40090-50RB#0-8.931**



Date: 5 NOV.2020 12:45:12

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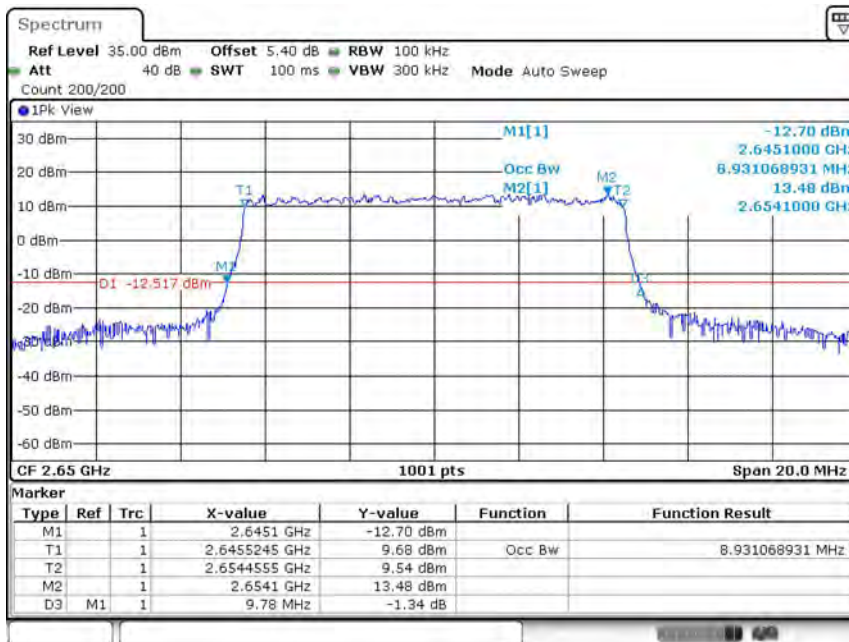
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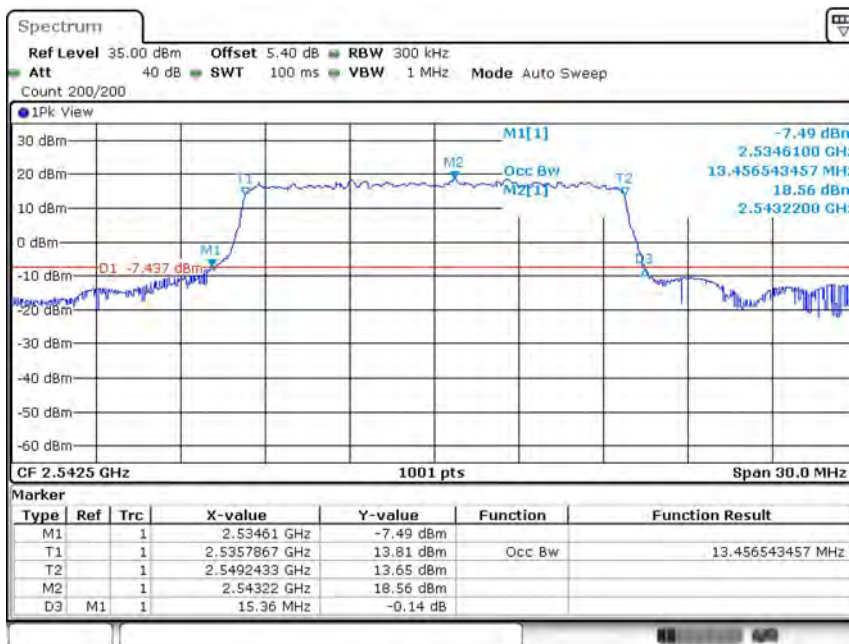


**Band41-10MHz-64QAM-41190-50RB#0-8.931**



Date: 5 NOV.2020 12:46:23

**Band41-15MHz-QPSK-40115-75RB#0-13.457**



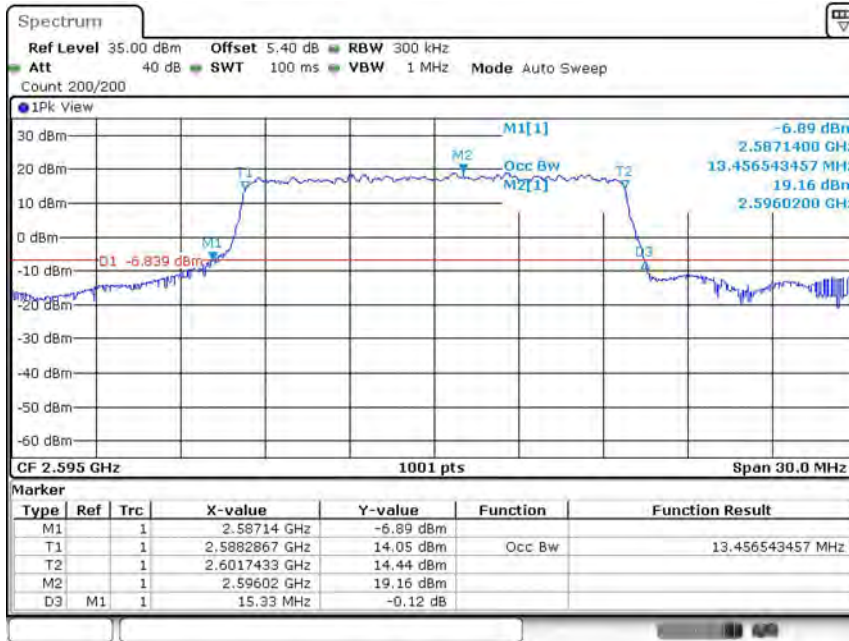
Date: 5 NOV.2020 12:24:02



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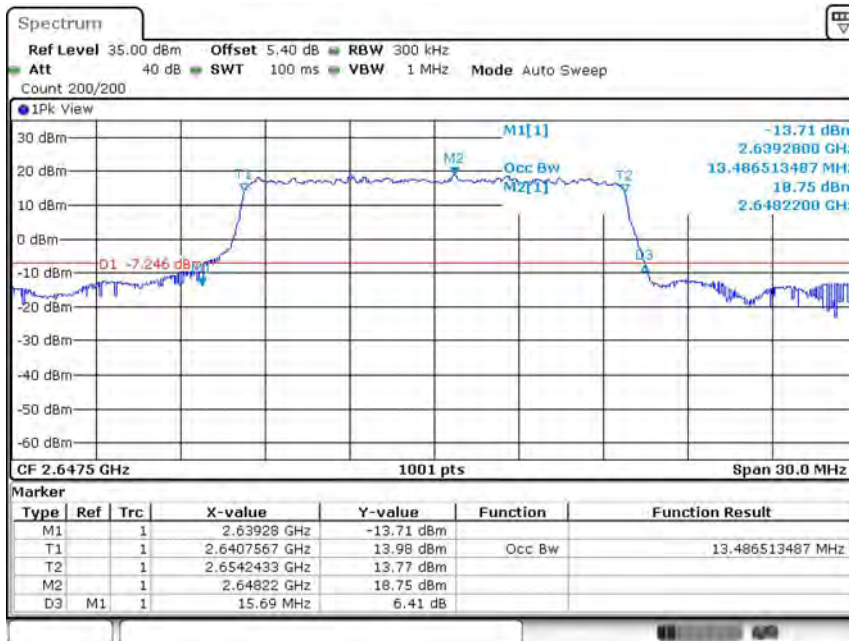


**Band41-15MHz-QPSK-40640-75RB#0-13.457**



Date: 5 NOV.2020 12:25:12

**Band41-15MHz-QPSK-41165-75RB#0-13.487**

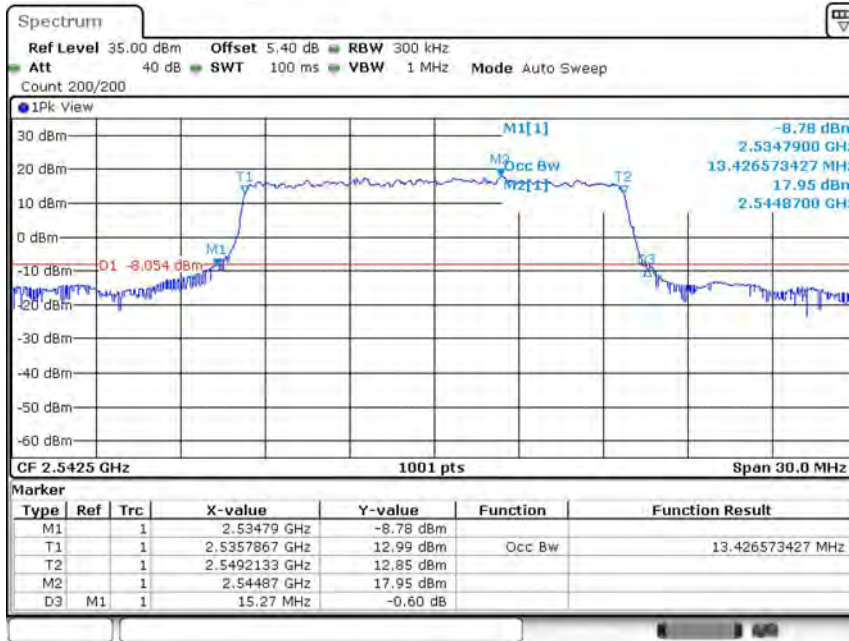


Date: 5 NOV.2020 12:26:23



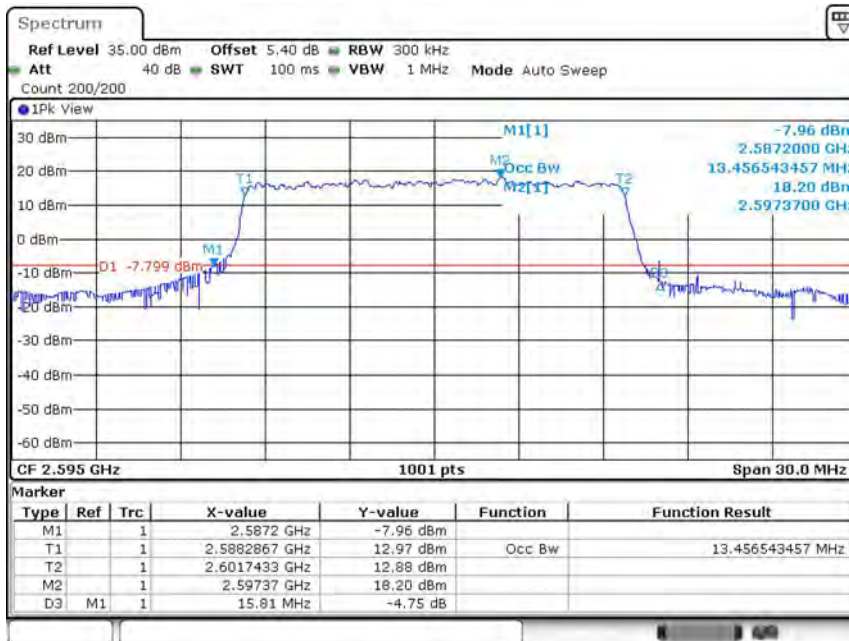
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**Band41-15MHz-16QAM-40115-75RB#0-13.427**



Date: 5 NOV.2020 12:24:37

**Band41-15MHz-16QAM-40640-75RB#0-13.457**



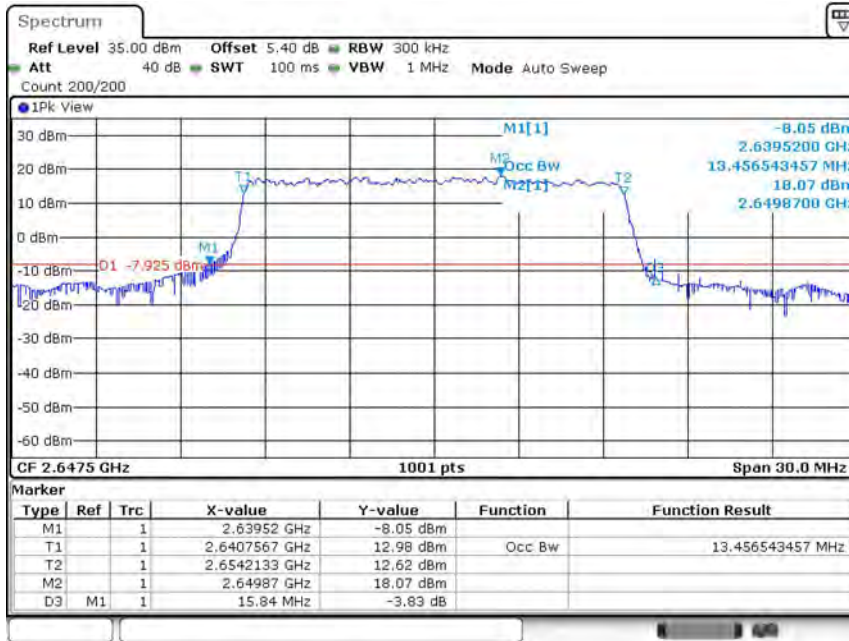
Date: 5 NOV.2020 12:25:48



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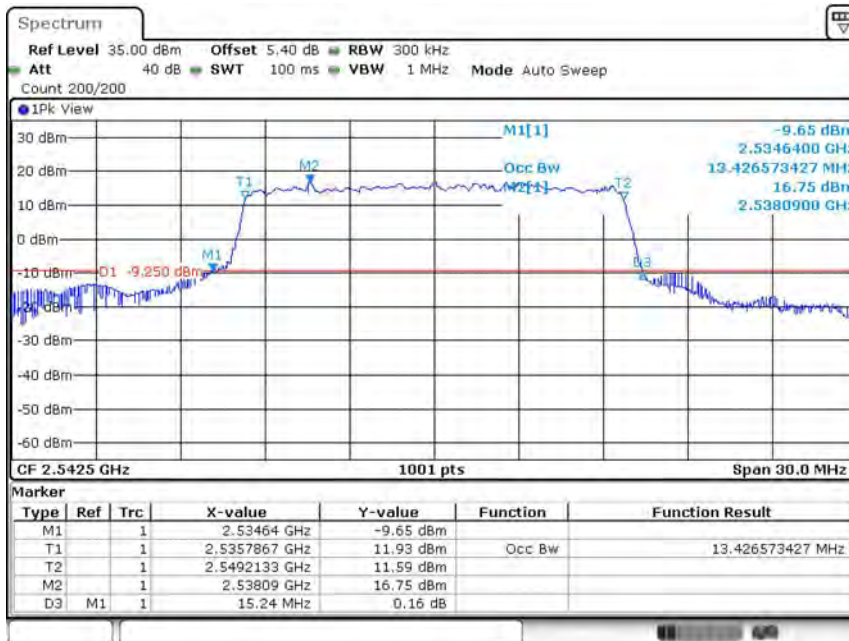


**Band41-15MHz-16QAM-41165-75RB#0-13.457**



Date: 5 NOV.2020 12:26:58

**Band41-15MHz-64QAM-40115-75RB#0-13.427**



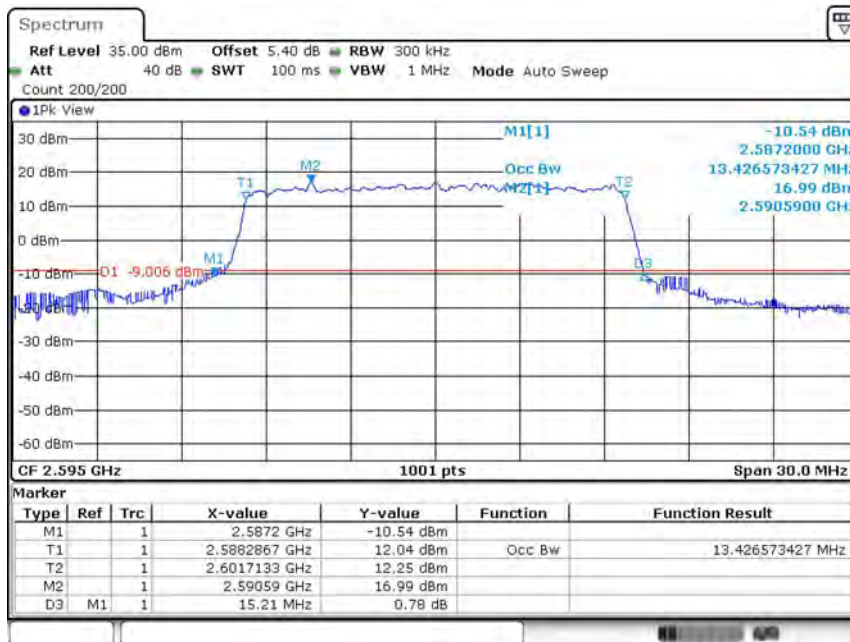
Date: 5 NOV.2020 12:47:03



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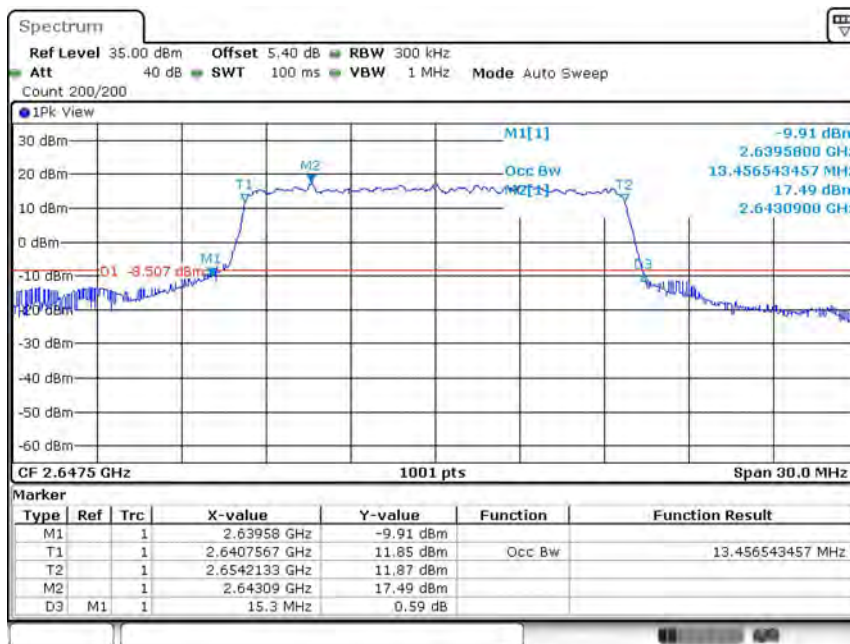


**Band41-15MHz-64QAM-40640-75RB#0-13.427**



Date: 5 NOV.2020 12:47:39

**Band41-15MHz-64QAM-41165-75RB#0-13.457**

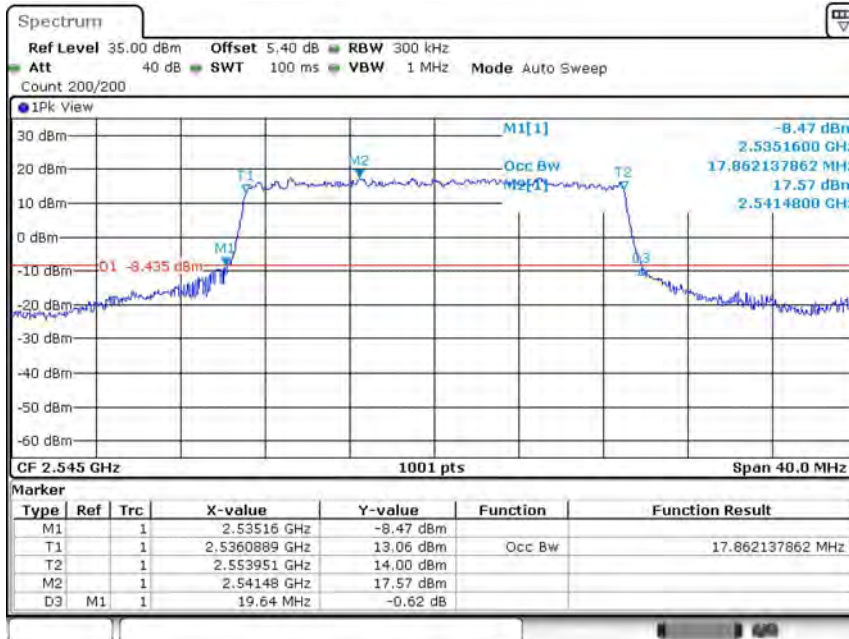


Date: 5 NOV.2020 12:48:15



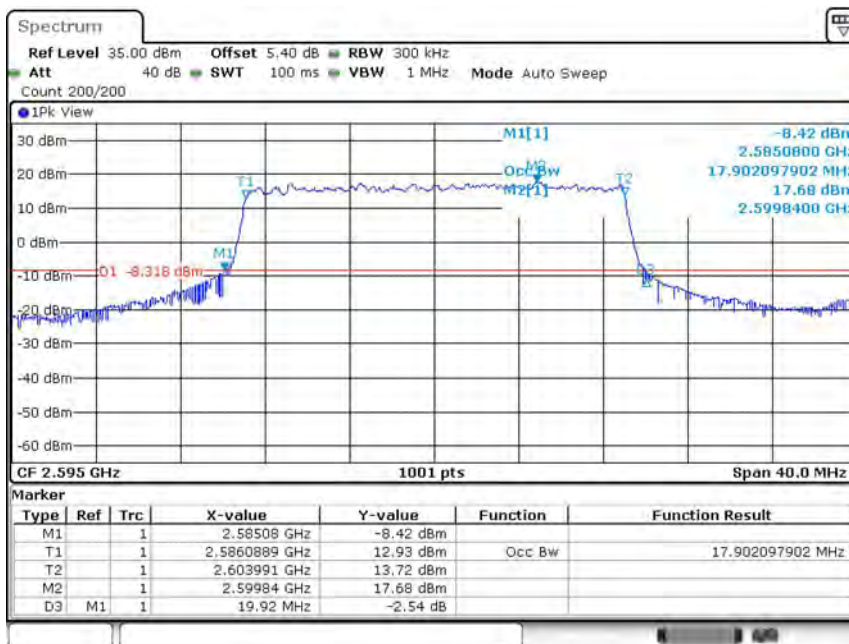
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**Band41-20MHz-QPSK-40140-100RB#0-17.862**



Date: 5 NOV.2020 12:27:39

**Band41-20MHz-QPSK-40640-100RB#0-17.902**



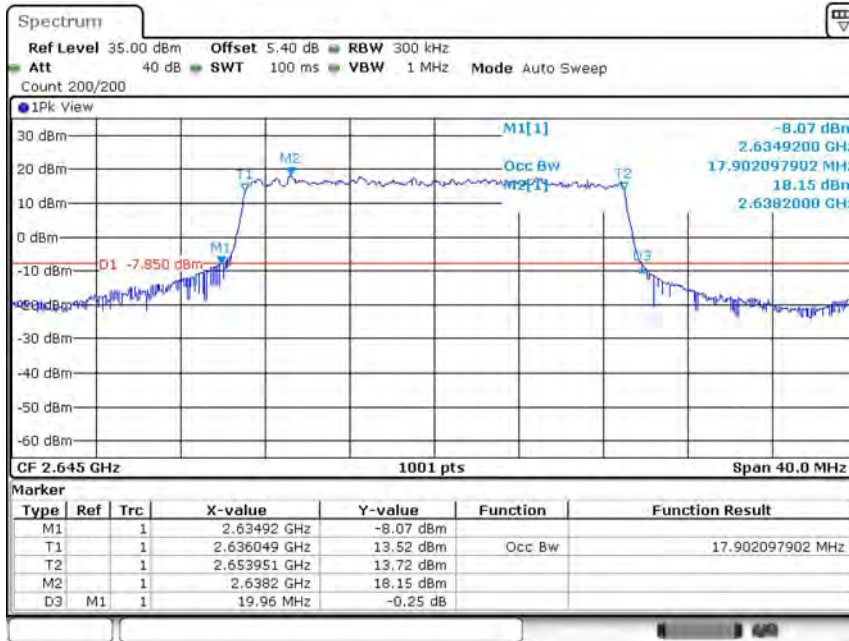
Date: 5 NOV.2020 12:28:49



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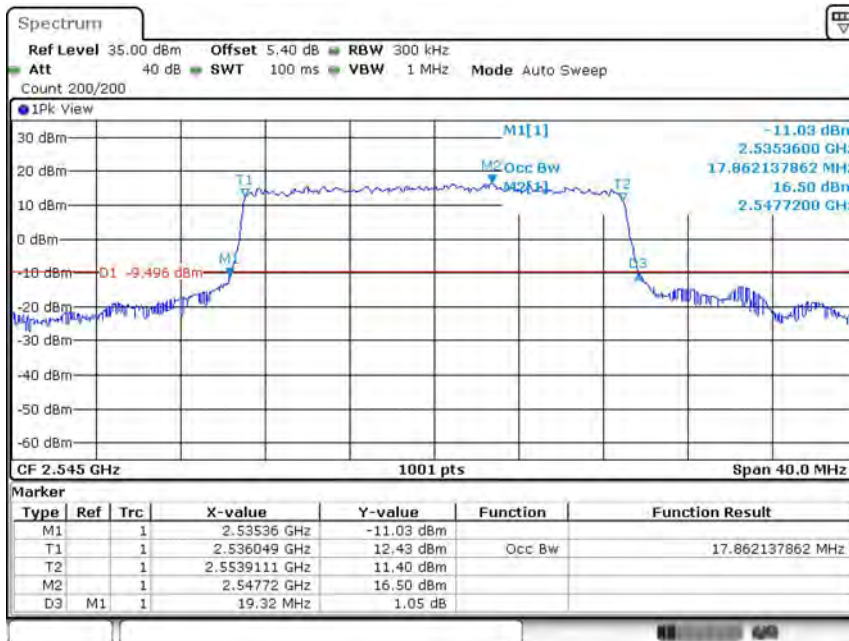


**Band41-20MHz-QPSK-41140-100RB#0-17.902**



Date: 5 NOV.2020 12:30:00

**Band41-20MHz-16QAM-40140-100RB#0-17.862**

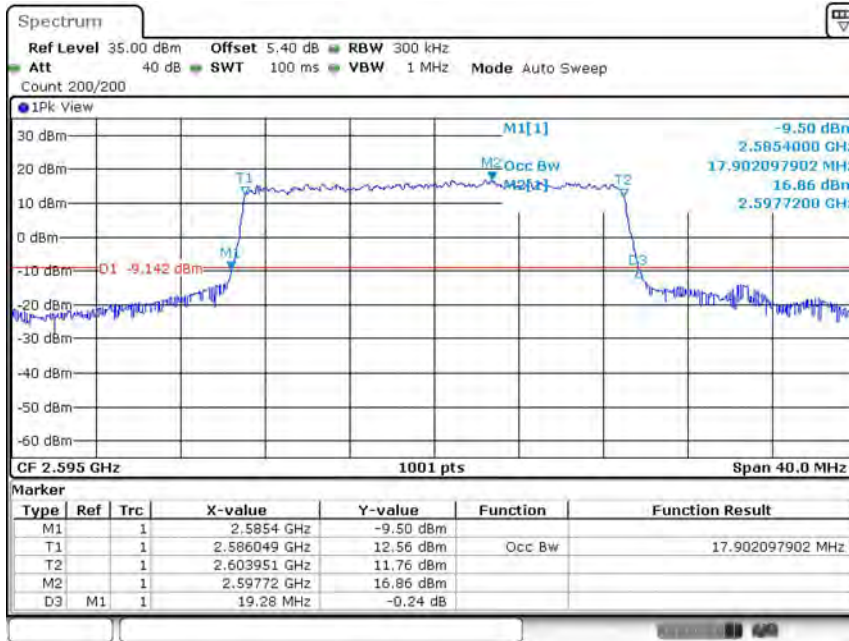


Date: 5 NOV.2020 12:28:14



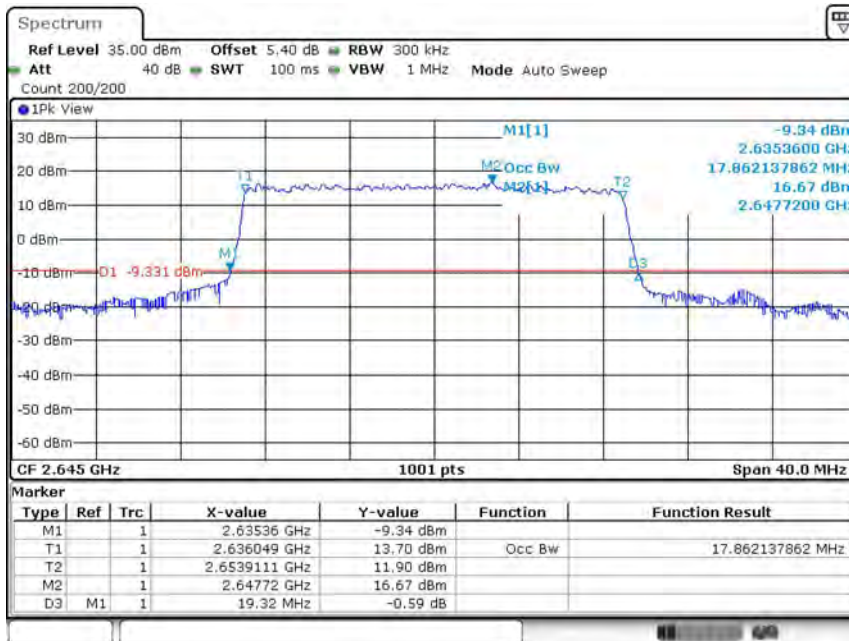
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**Band41-20MHz-16QAM-40640-100RB#0-17.902**



Date: 5 NOV.2020 12:29:25

**Band41-20MHz-16QAM-41140-100RB#0-17.862**



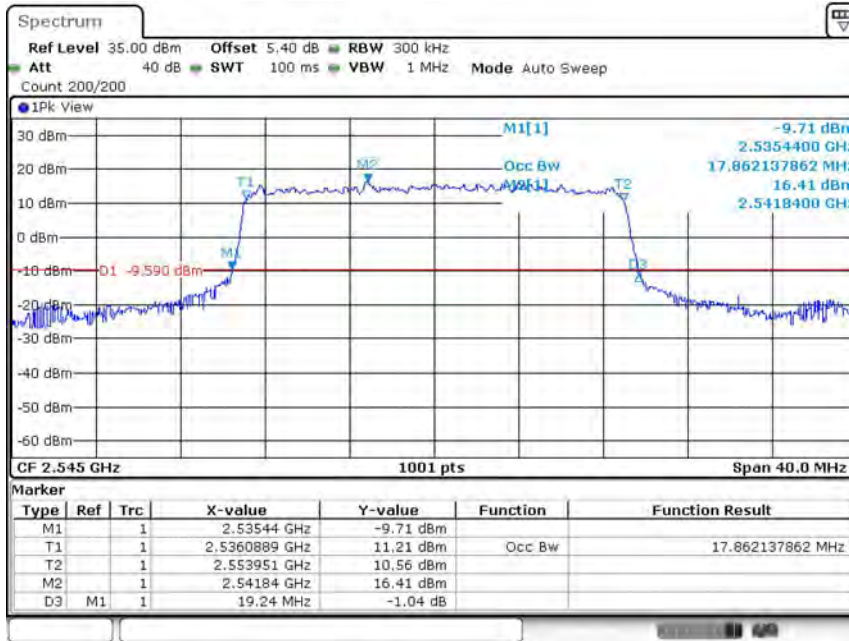
Date: 5 NOV.2020 12:30:35



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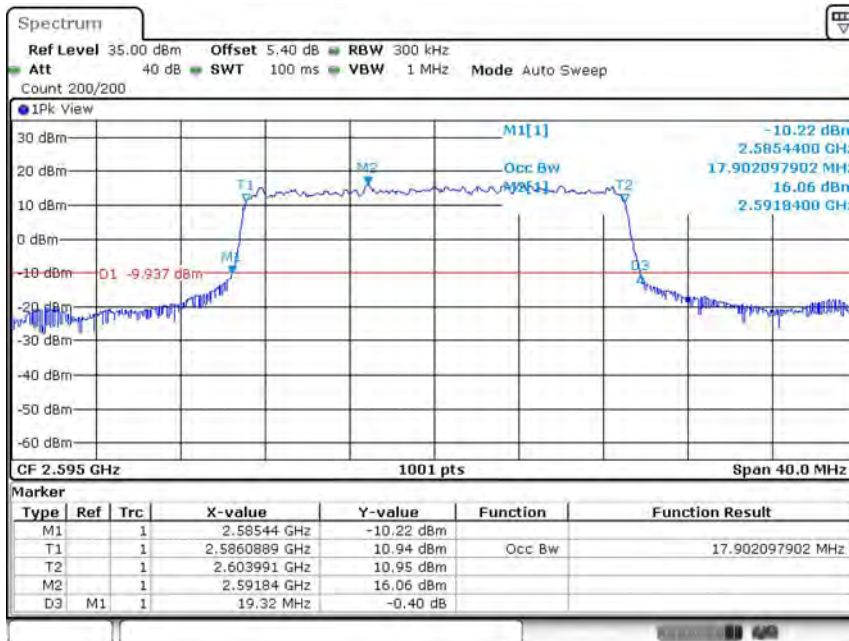


**Band41-20MHz-64QAM-40140-100RB#0-17.862**



Date: 5 NOV.2020 12:48:55

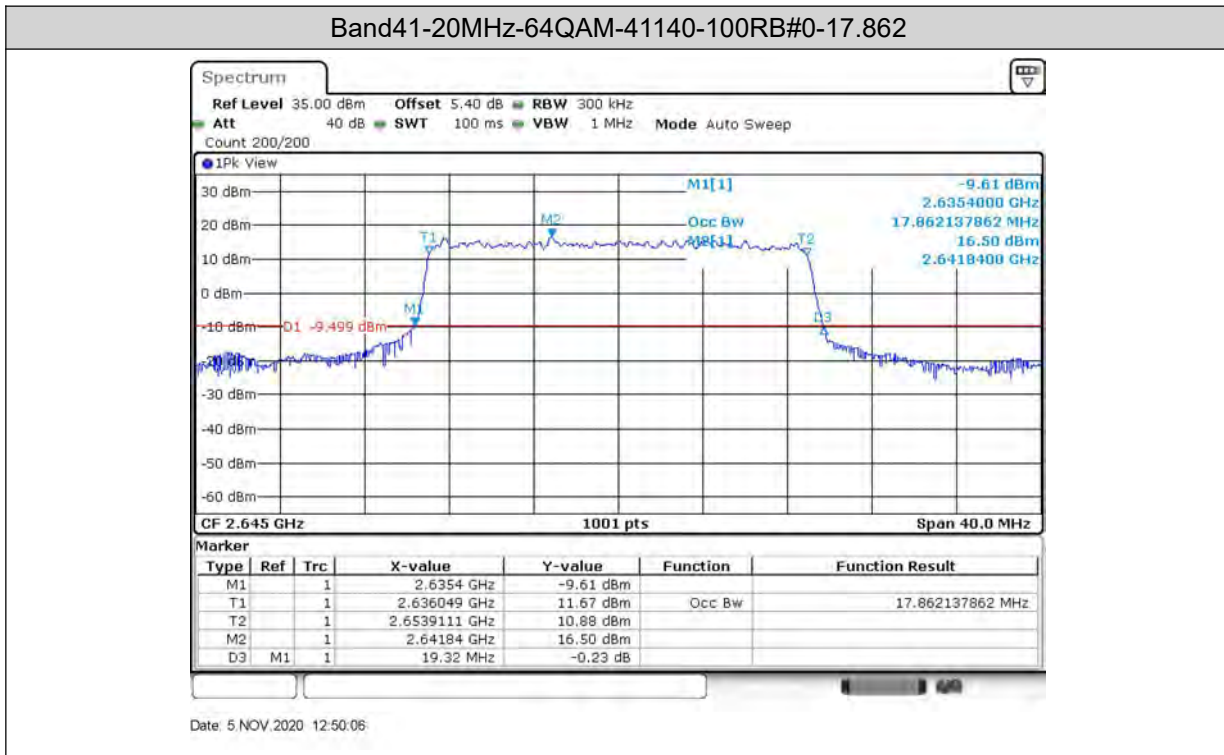
**Band41-20MHz-64QAM-40640-100RB#0-17.902**



Date: 5 NOV.2020 12:49:31



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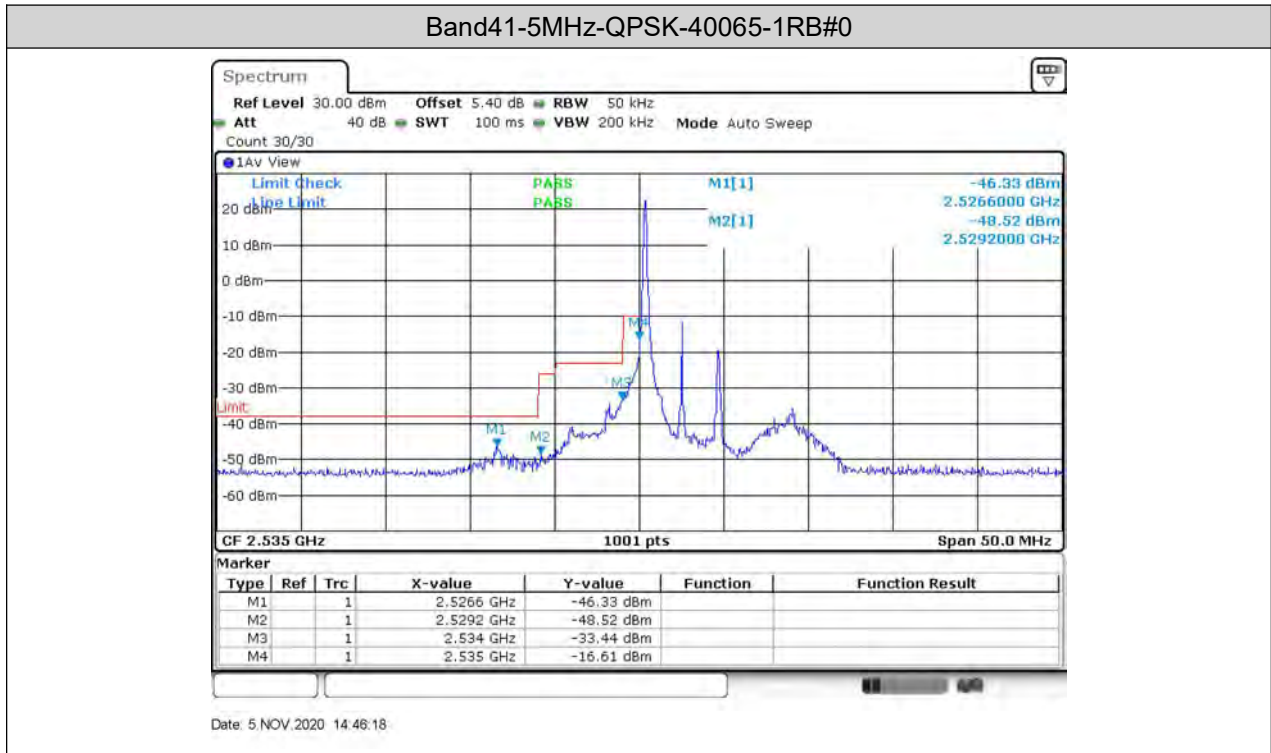
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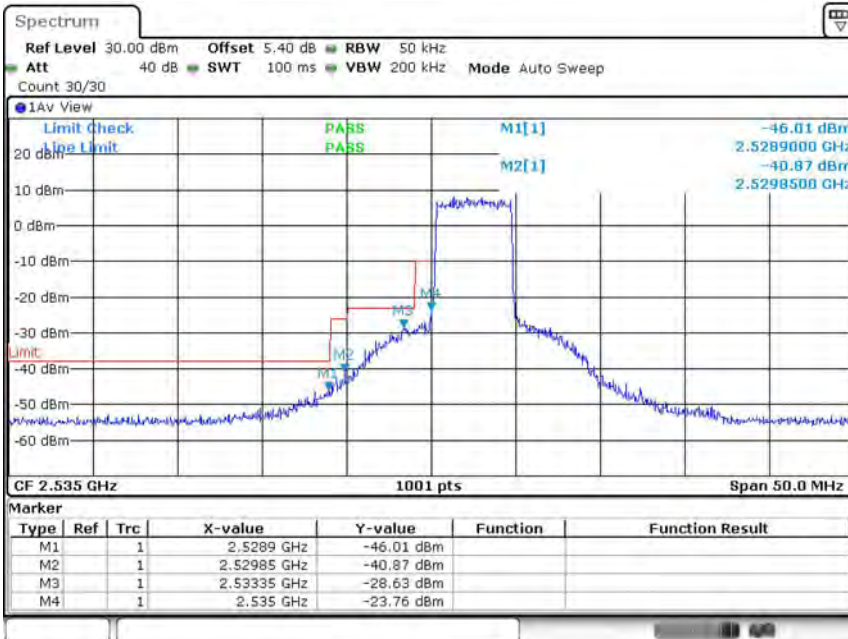
## 5 Band Edge Compliance

### 5.1 Test Plots



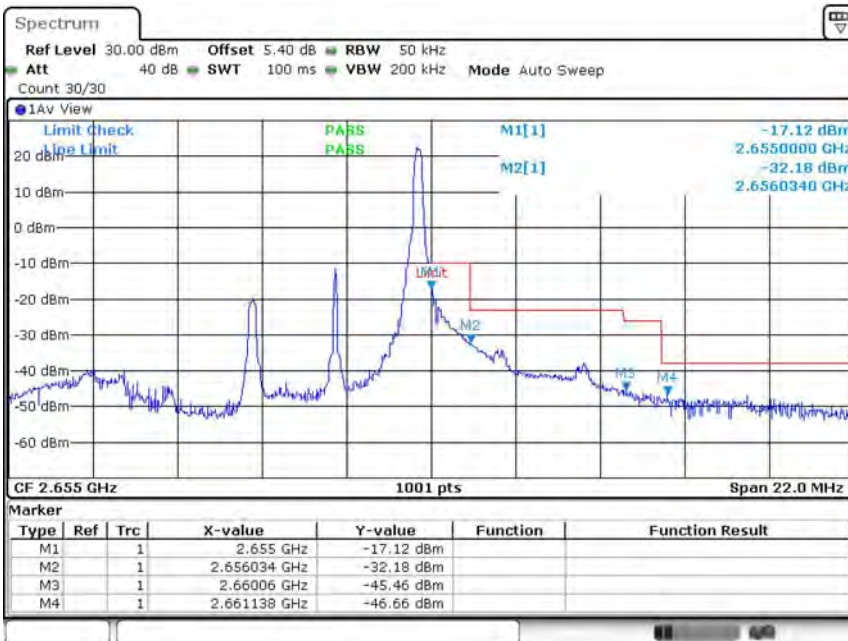
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**Band41-5MHz-QPSK-40065-25RB#0**



Date: 5 NOV.2020 14:47:11

**Band41-5MHz-QPSK-41215-1RB#24**



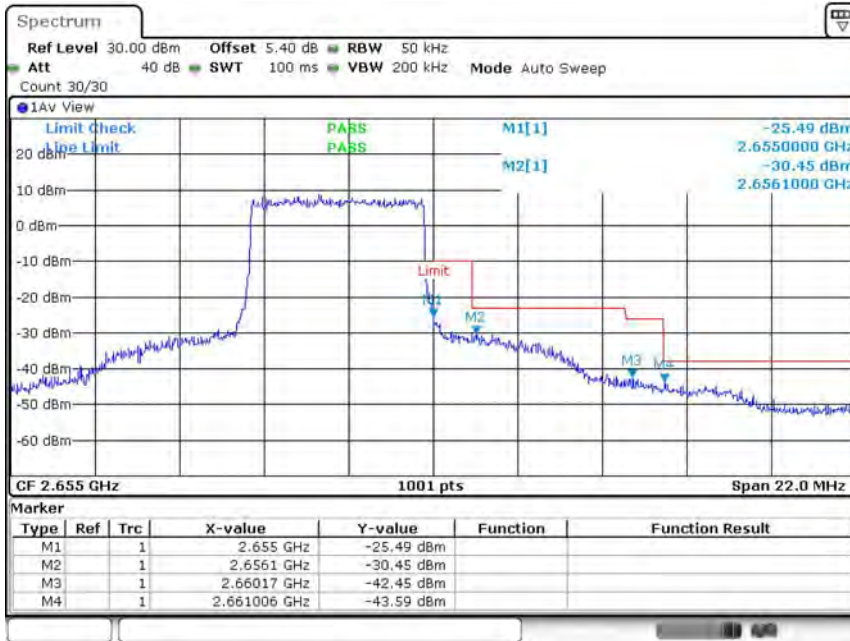
Date: 5 NOV.2020 14:48:33



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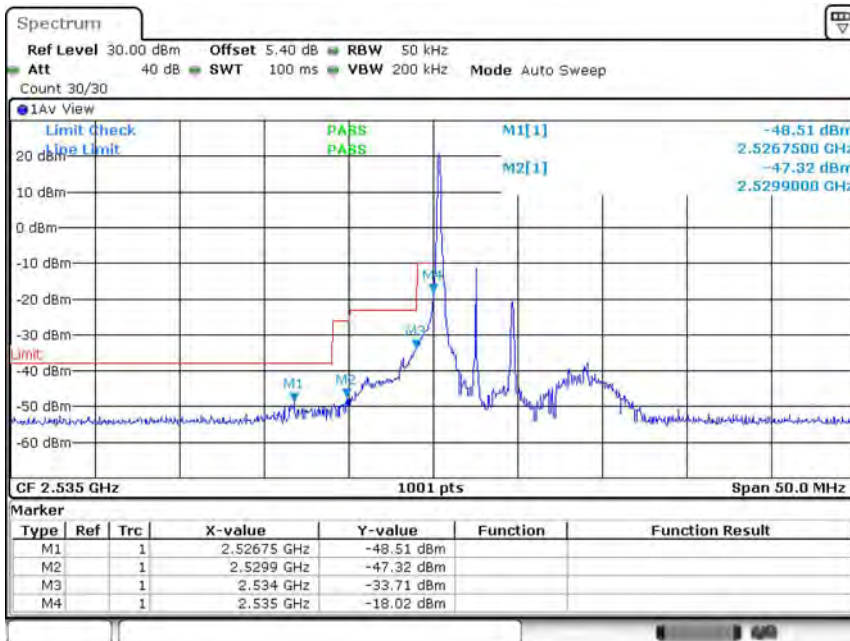


**Band41-5MHz-QPSK-41215-25RB#0**



Date: 5 NOV.2020 14:49:38

**Band41-5MHz-16QAM-40065-1RB#0**

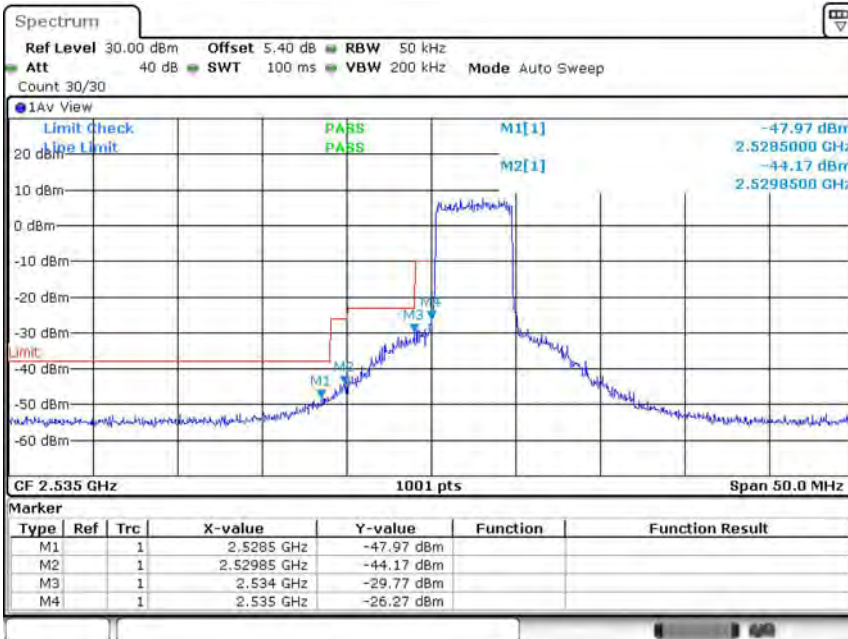


Date: 5 NOV.2020 14:46:53



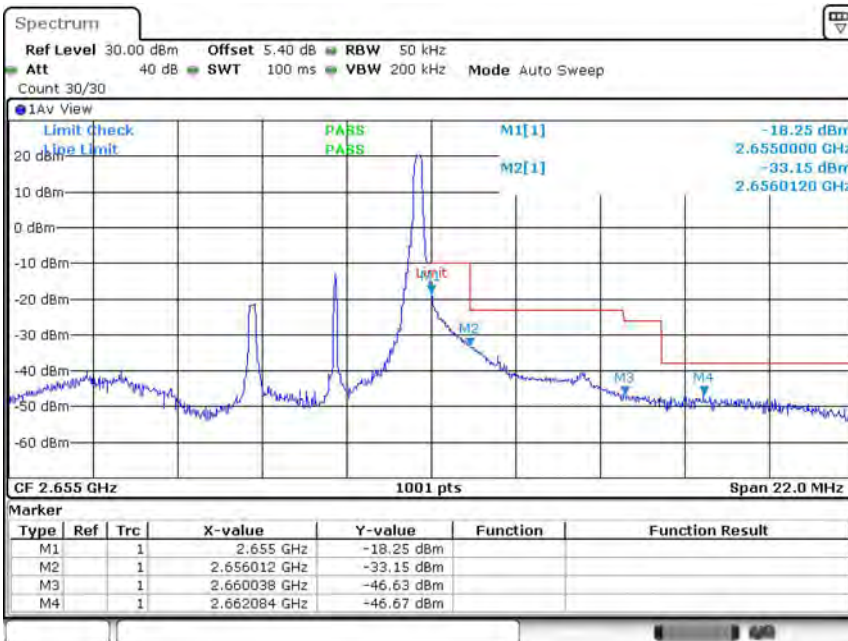
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**Band41-5MHz-16QAM-40065-25RB#0**



Date: 5 NOV.2020 14:47:29

**Band41-5MHz-16QAM-41215-1RB#24**



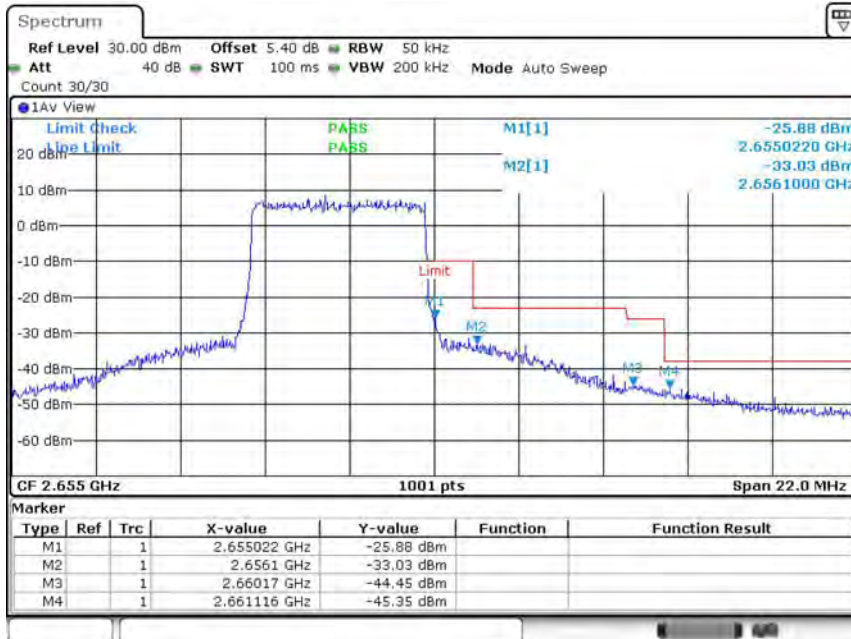
Date: 5 NOV.2020 14:49:20



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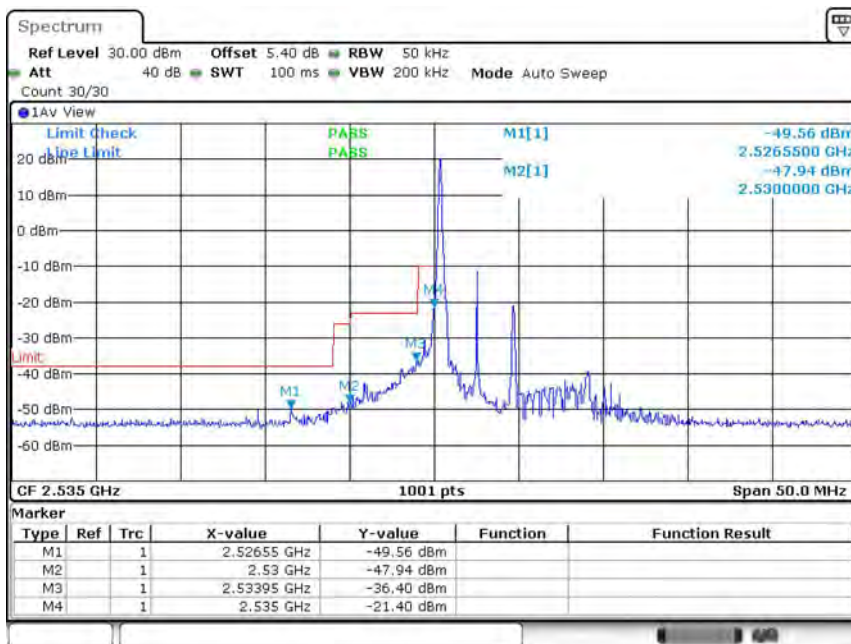


**Band41-5MHz-16QAM-41215-25RB#0**



Date: 5 NOV.2020 14:49:56

**Band41-5MHz-64QAM-40065-1RB#0**

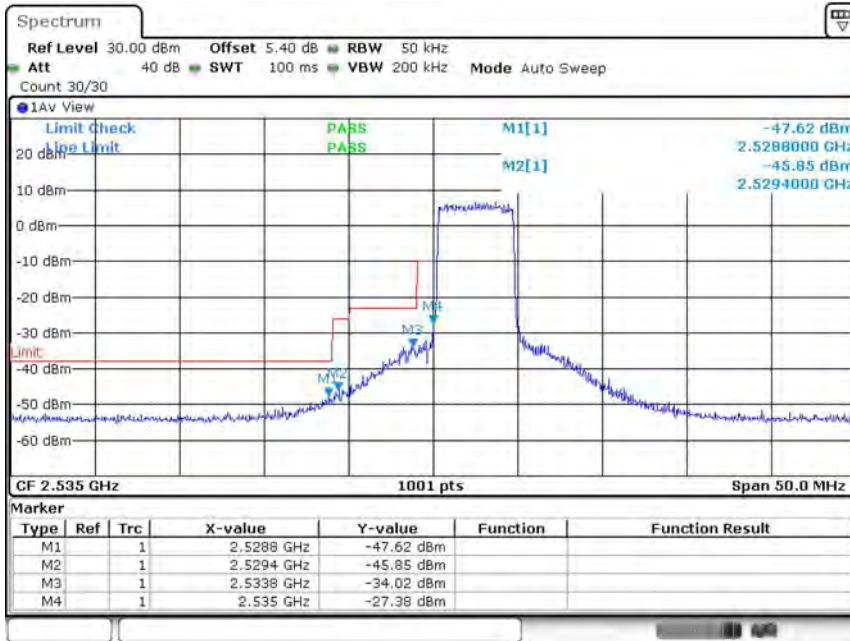


Date: 5 NOV.2020 14:54:20



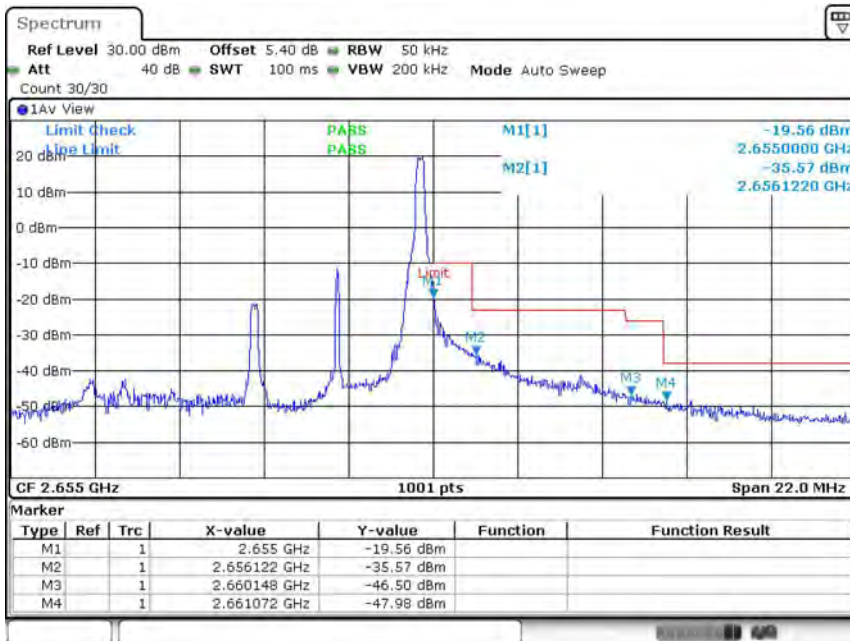
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**Band41-5MHz-64QAM-40065-25RB#0**



Date: 5 NOV 2020 14:54:57

**Band41-5MHz-64QAM-41215-1RB#24**



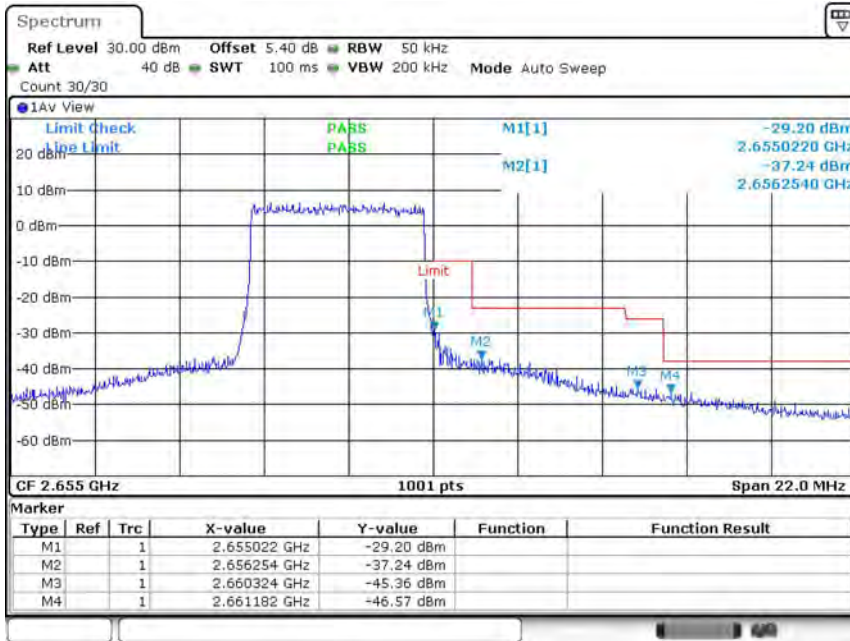
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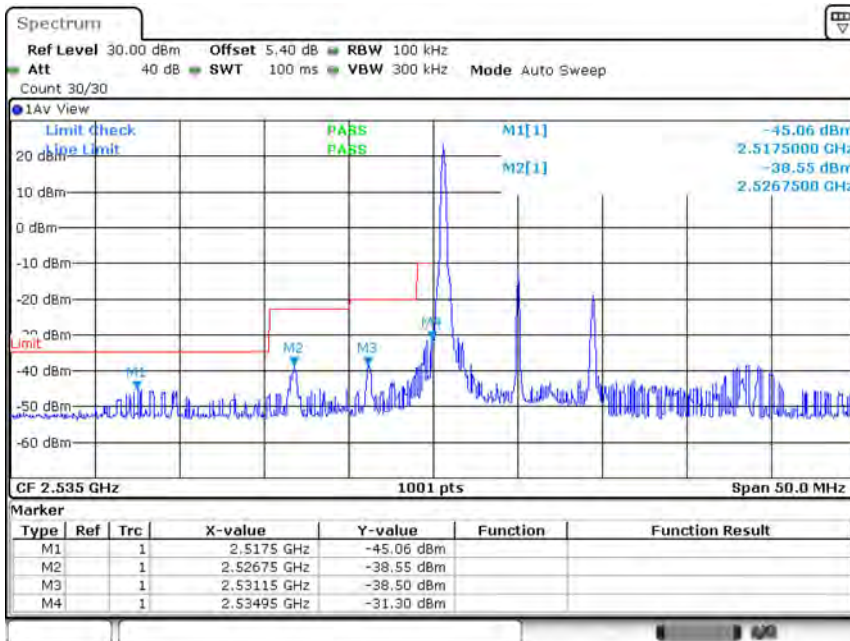


**Band41-5MHz-64QAM-41215-25RB#0**



Date: 5 NOV.2020 14:56:02

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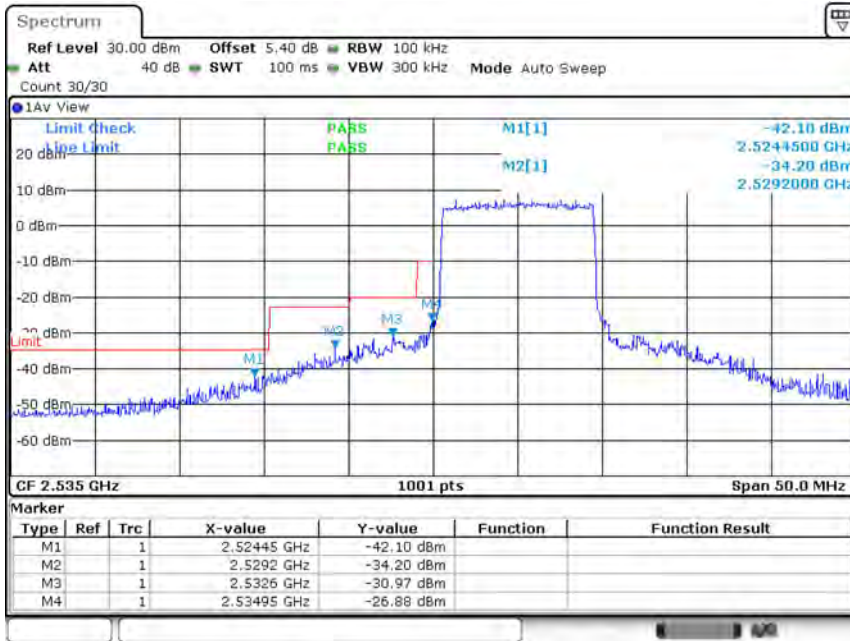


Date: 22 OCT.2020 01:36:44



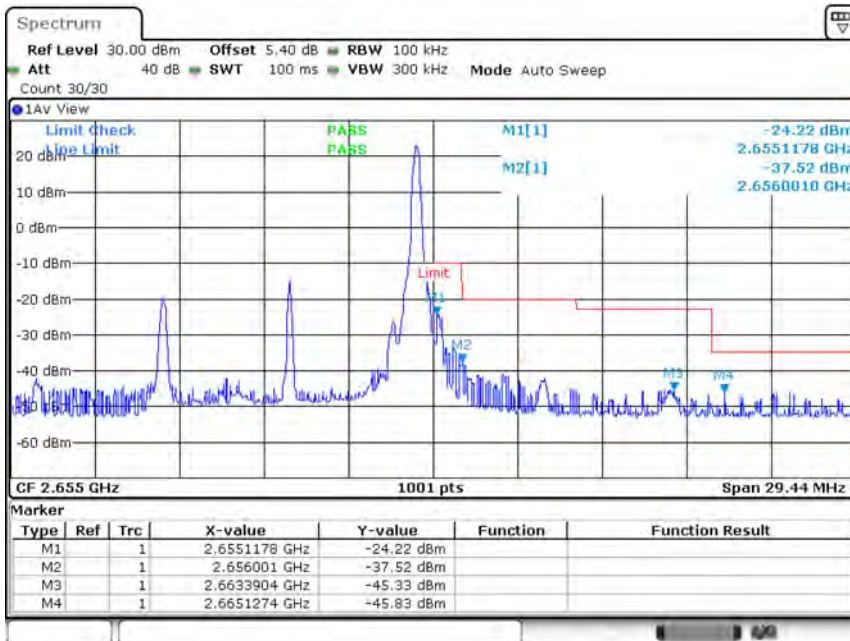
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**Band41-10MHz-QPSK-40090-50RB#0**



Date: 22 OCT.2020 01:37:22

**Band41-10MHz-QPSK-41190-1RB#49**



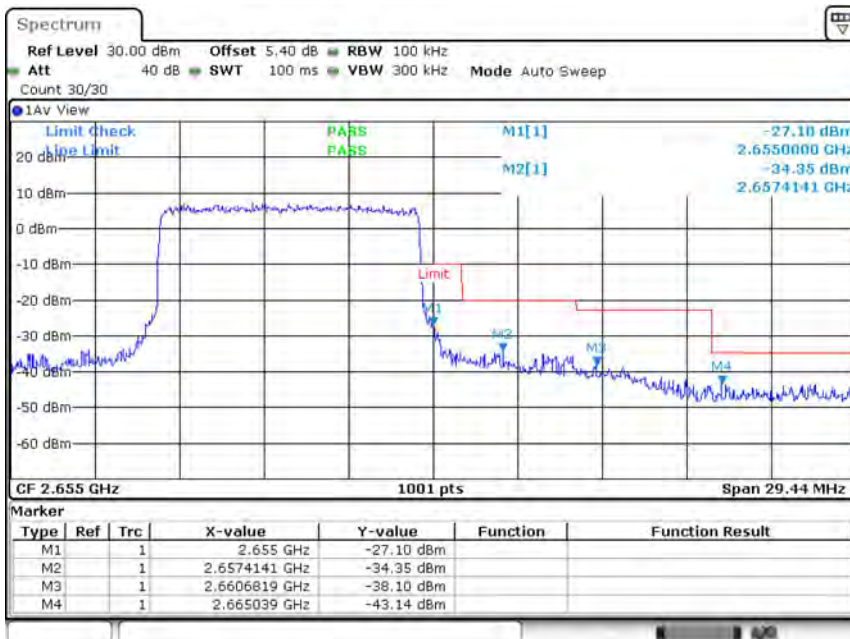
Date: 22 OCT.2020 01:38:08



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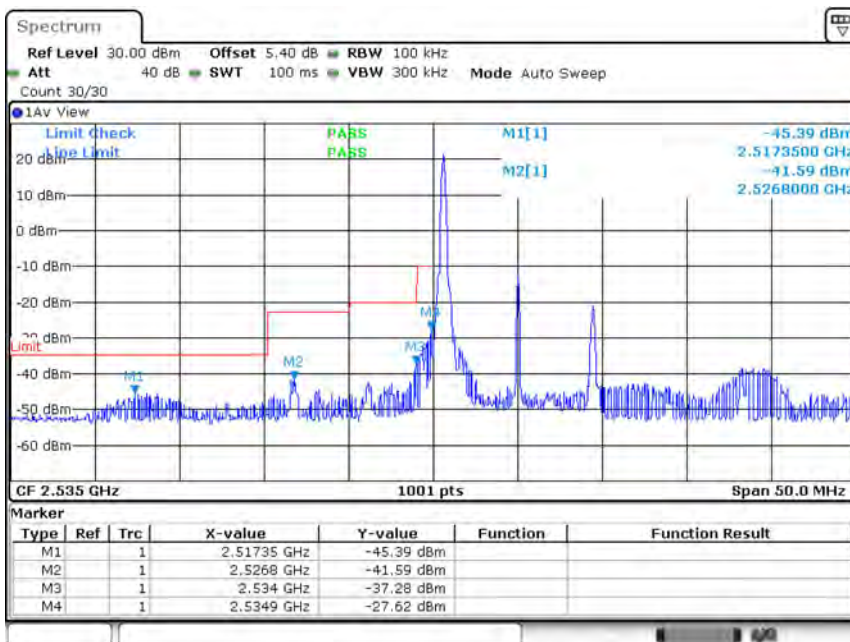


**Band41-10MHz-QPSK-41190-50RB#0**



Date: 22 OCT.2020 01:38:46

**Band41-10MHz-16QAM-40090-1RB#0**



Date: 22 OCT.2020 01:37:03

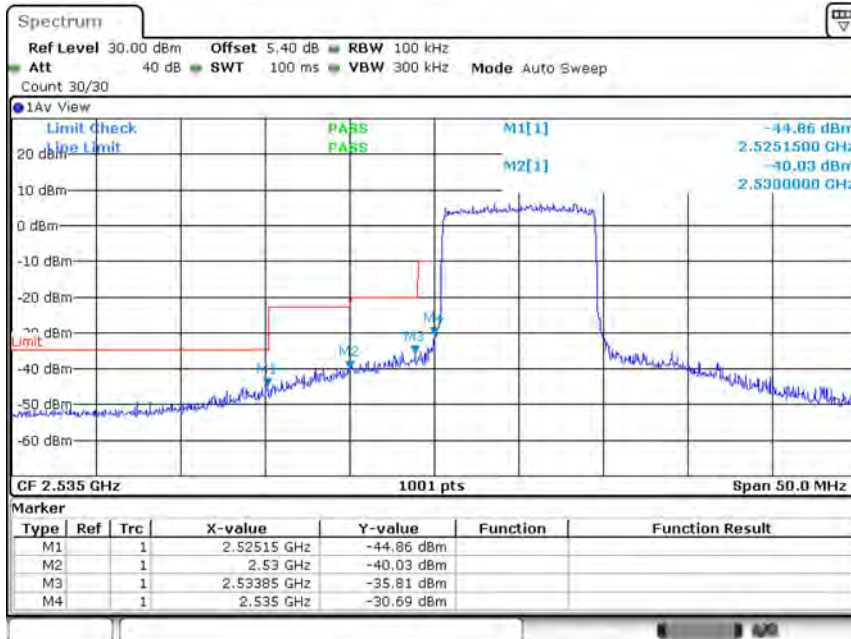


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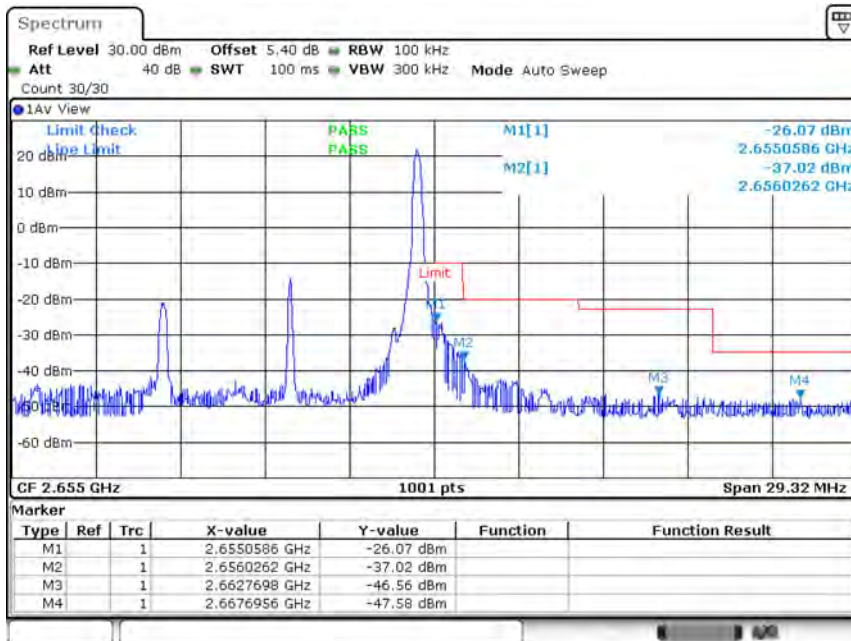
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**Band41-10MHz-16QAM-40090-50RB#0**



Date: 22 OCT.2020 01:37:41

**Band41-10MHz-16QAM-41190-1RB#49**



Date: 22 OCT.2020 01:38:27



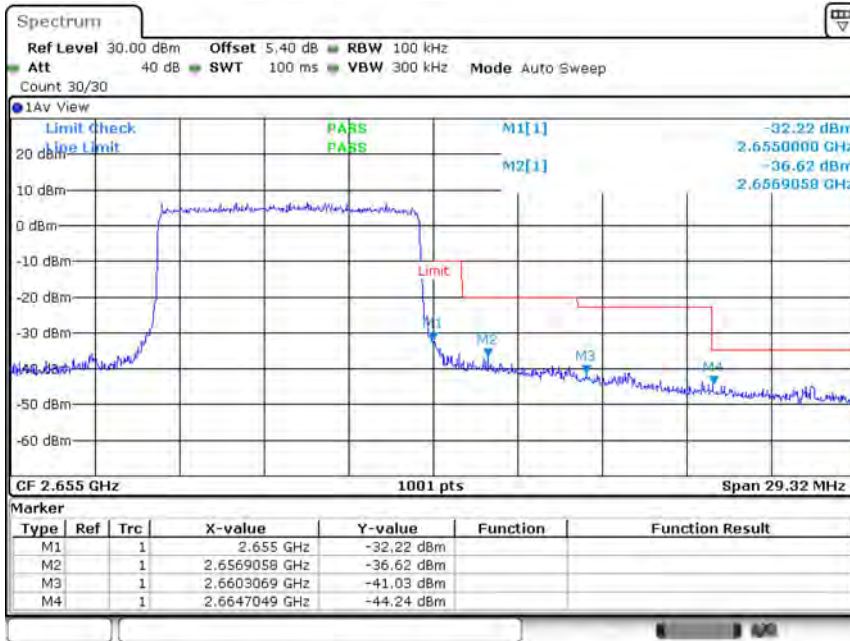
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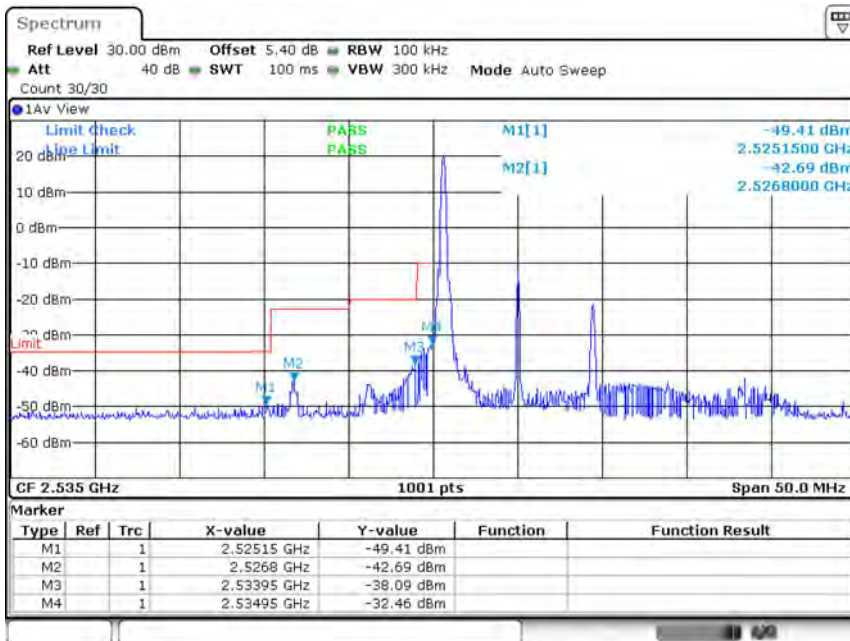


**Band41-10MHz-16QAM-41190-50RB#0**



Date: 22.OCT.2020 01:39:05

**Band41-10MHz-64QAM-40090-1RB#0**

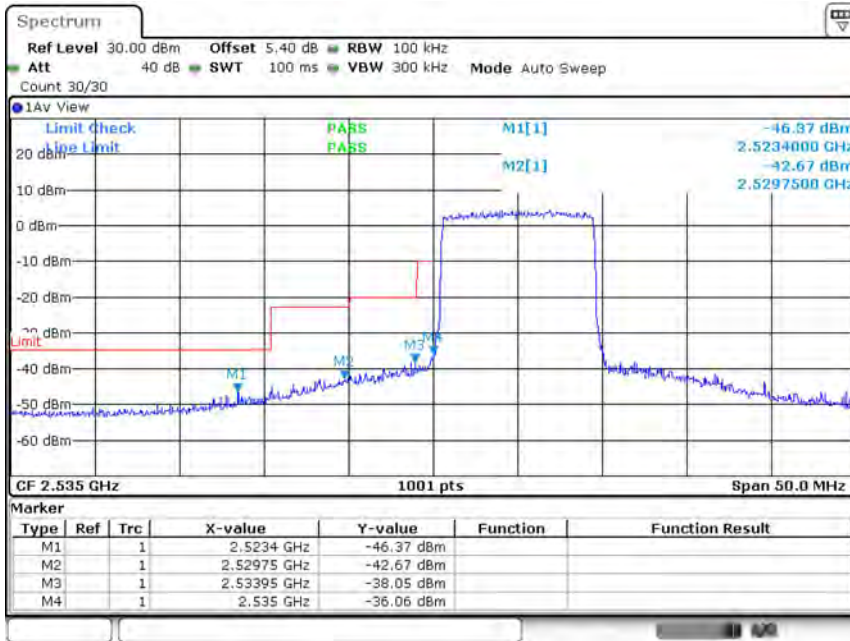


Date: 22.OCT.2020 12:15:11



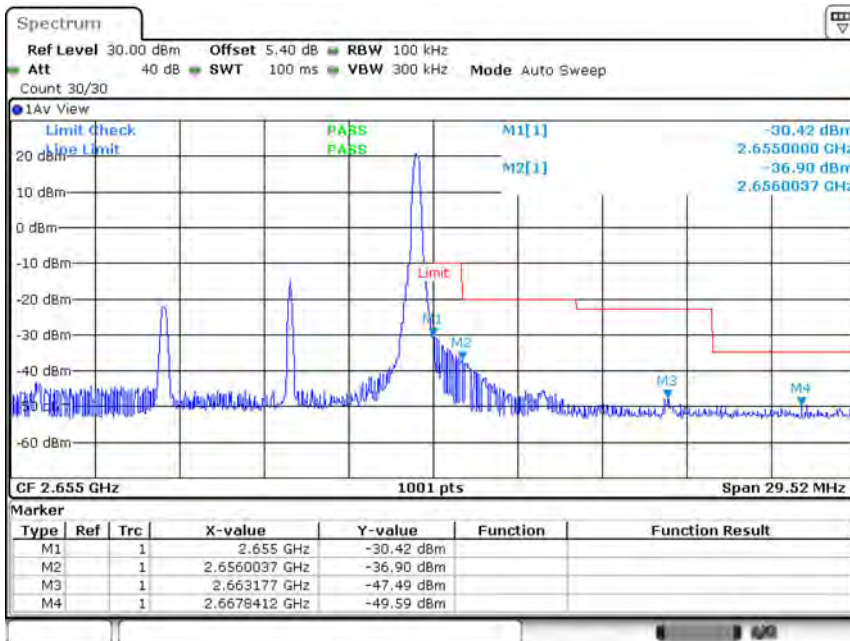
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**Band41-10MHz-64QAM-40090-50RB#0**



Date: 22 OCT.2020 12:15:31

**Band41-10MHz-64QAM-41190-1RB#49**



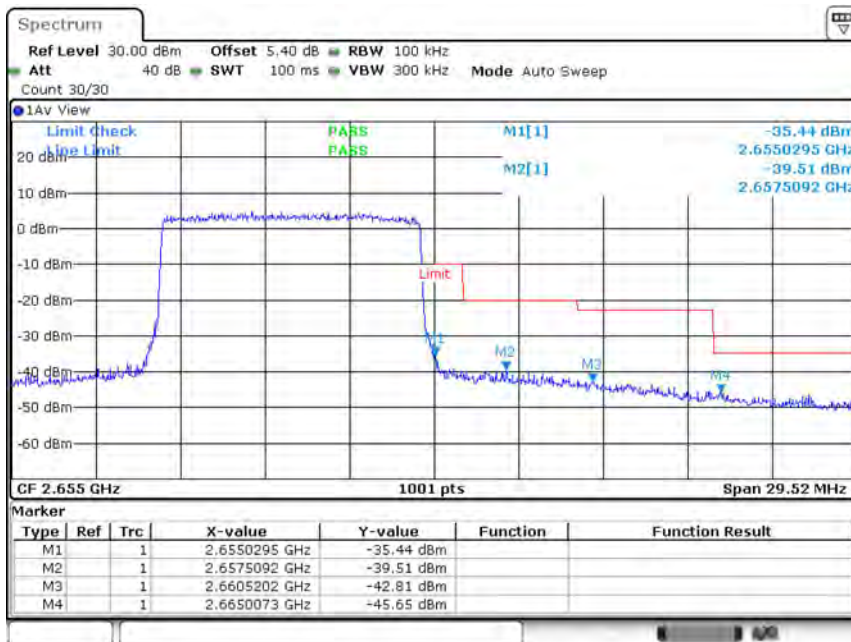
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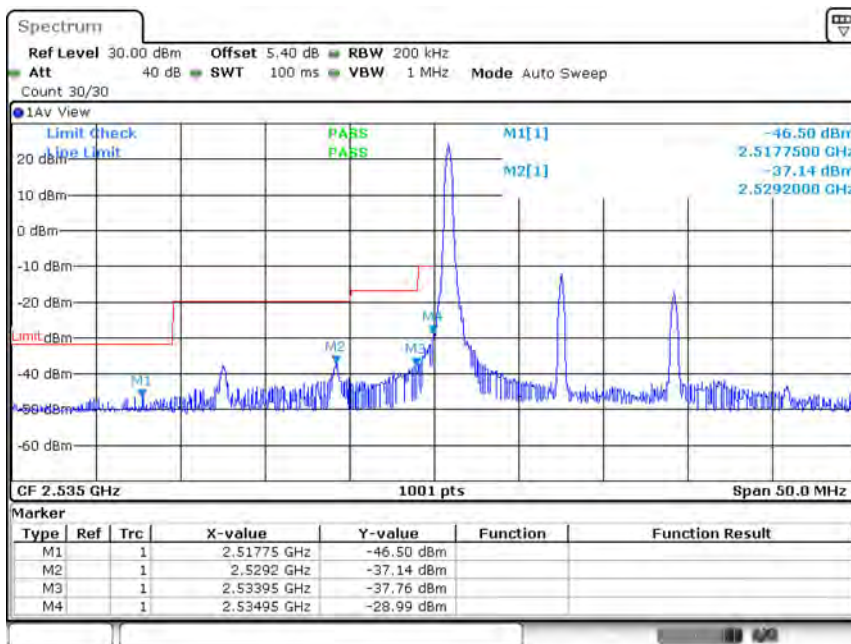


**Band41-10MHz-64QAM-41190-50RB#0**



Date: 22 OCT.2020 12:16:17

**Band41-15MHz-QPSK-40115-1RB#0**



Date: 22 OCT.2020 01:39:33

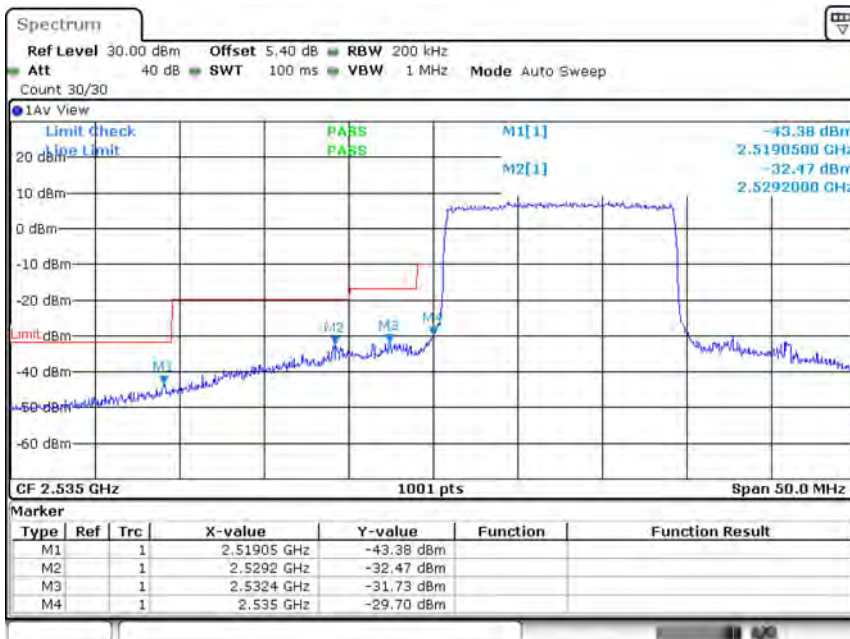


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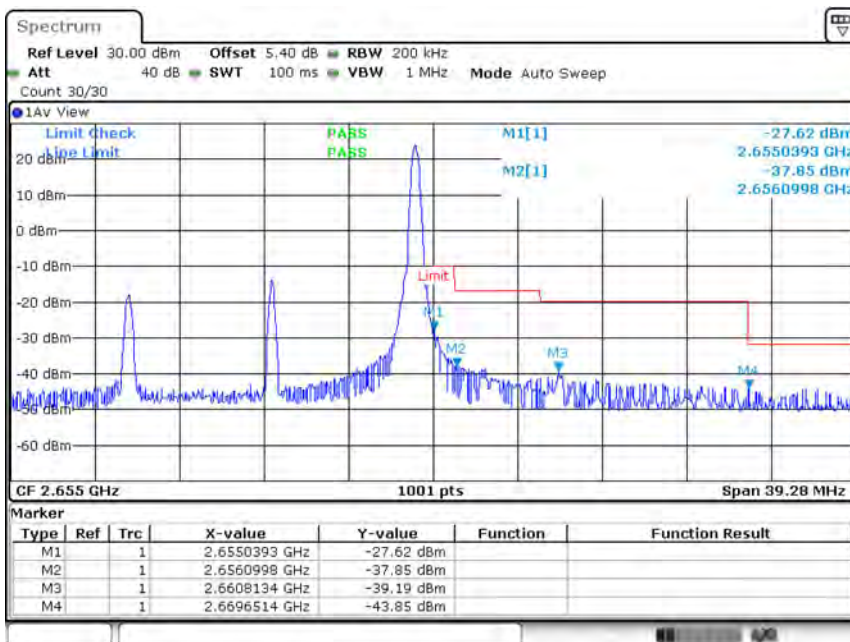
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**Band41-15MHz-QPSK-40115-75RB#0**



Date: 22 OCT.2020 01:40:11

**Band41-15MHz-QPSK-41165-1RB#74**



Date: 22 OCT.2020 01:40:57



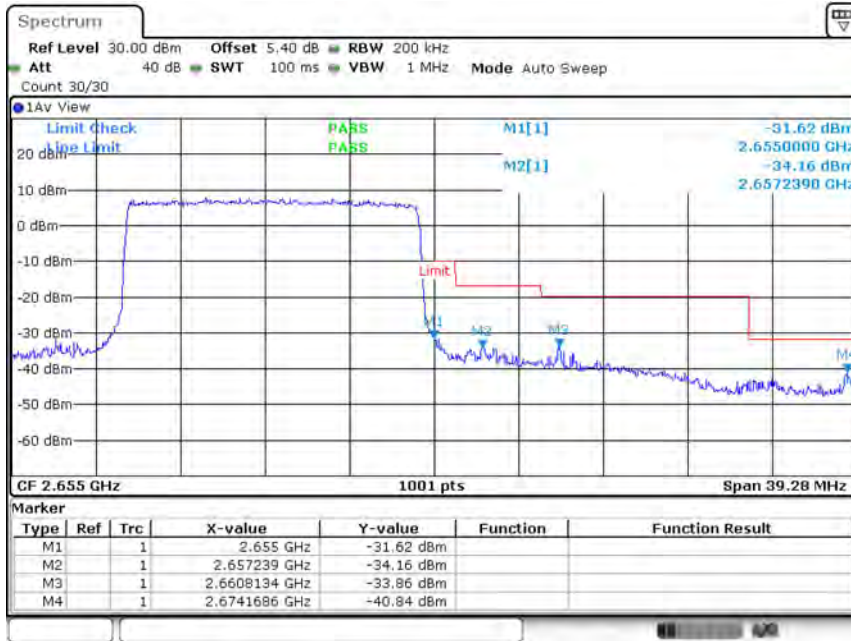
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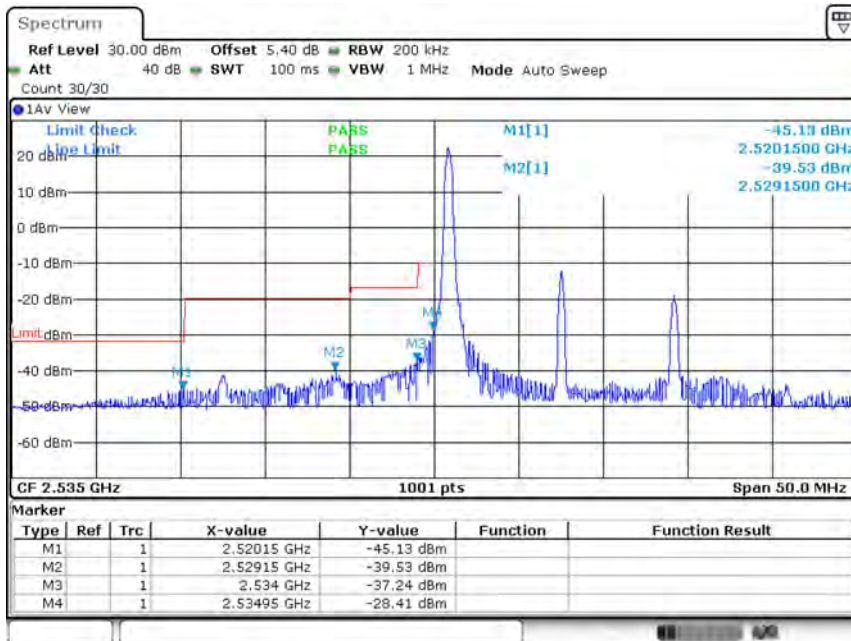


**Band41-15MHz-QPSK-41165-75RB#0**



Date: 22 OCT.2020 01:41:34

**Band41-15MHz-16QAM-40115-1RB#0**



Date: 22 OCT.2020 01:39:52



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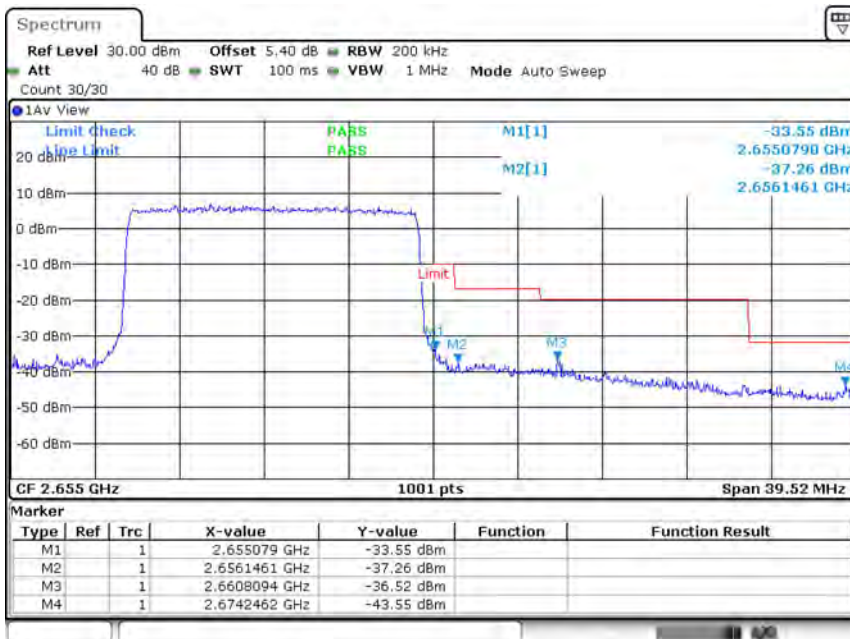
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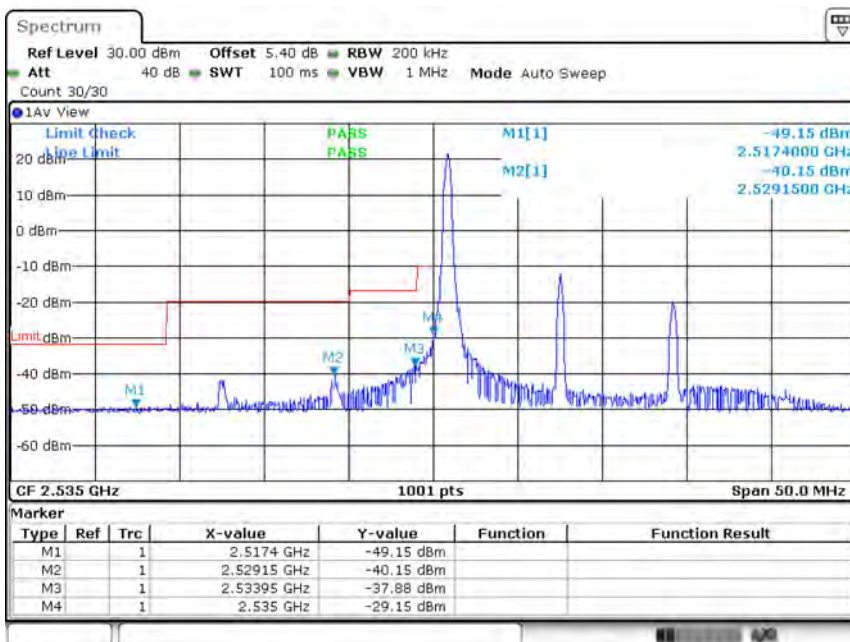


**Band41-15MHz-16QAM-41165-75RB#0**



Date: 22.OCT.2020 01:41:53

**Band41-15MHz-64QAM-40115-1RB#0**



Date: 22.OCT.2020 12:16:47

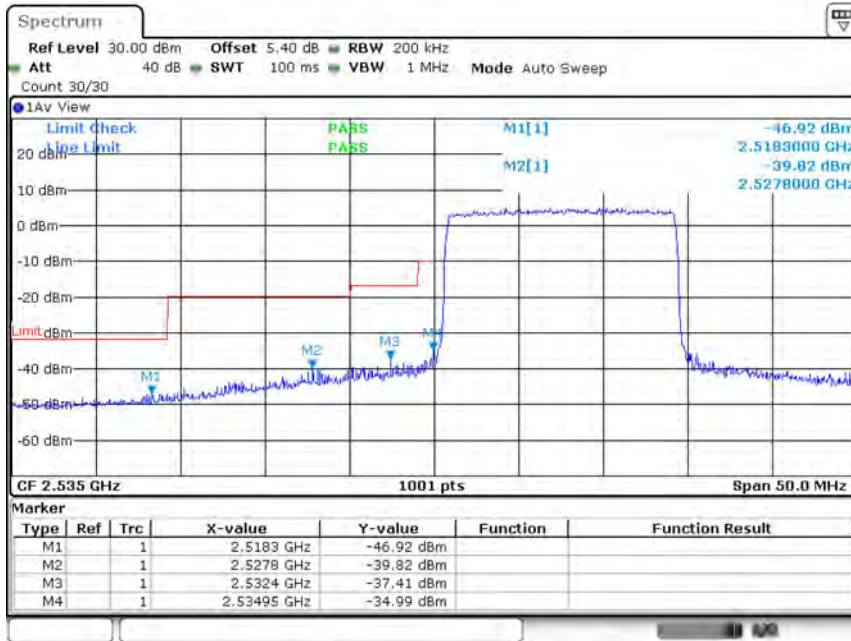


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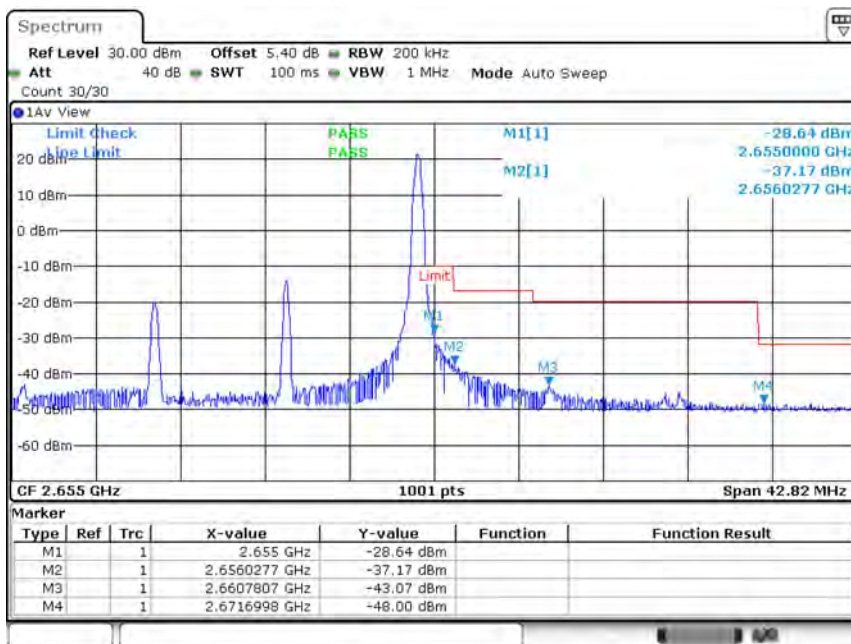
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**Band41-15MHz-64QAM-40115-75RB#0**



Date: 22 OCT.2020 12:17:05

**Band41-15MHz-64QAM-41165-1RB#74**



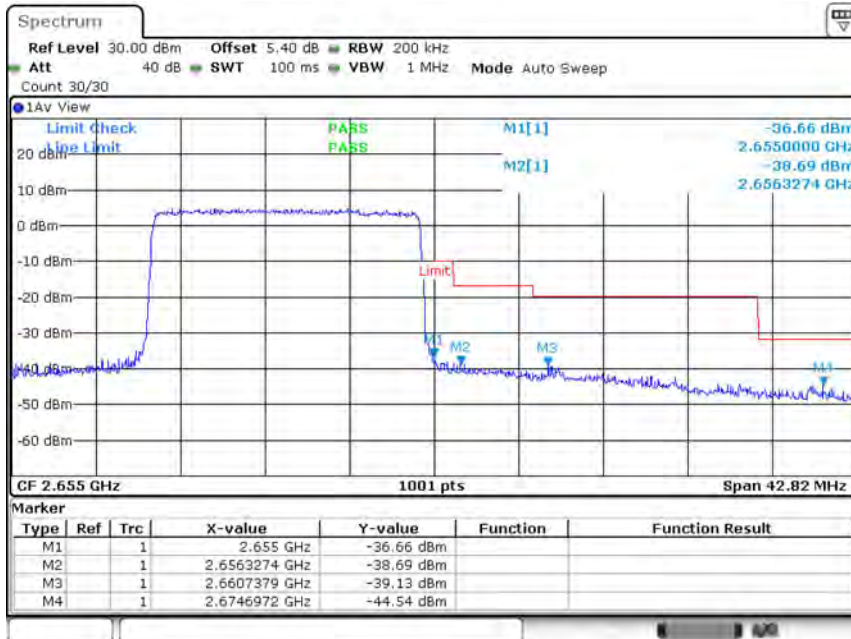
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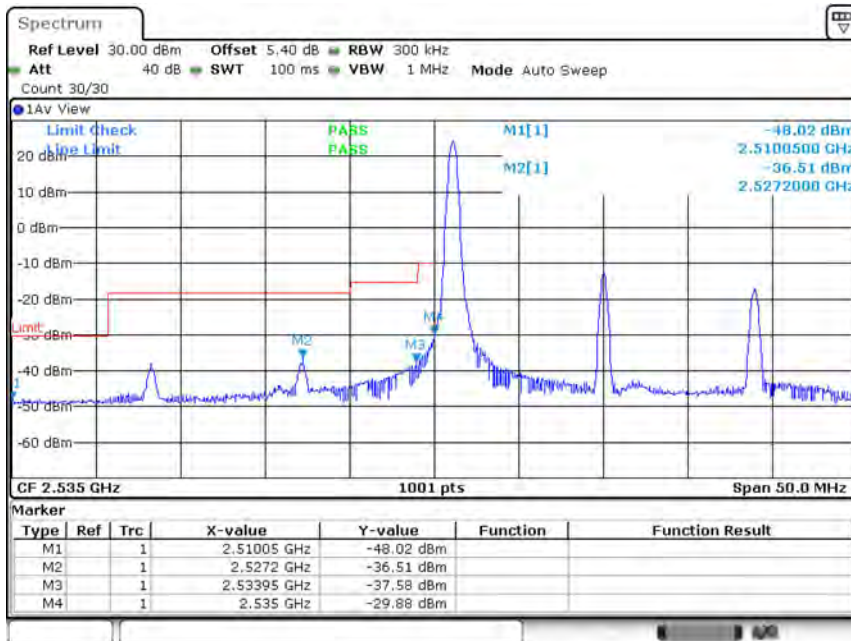


**Band41-15MHz-64QAM-41165-75RB#0**



Date: 22 OCT.2020 12:17:52

**Band41-20MHz-QPSK-40140-1RB#0**

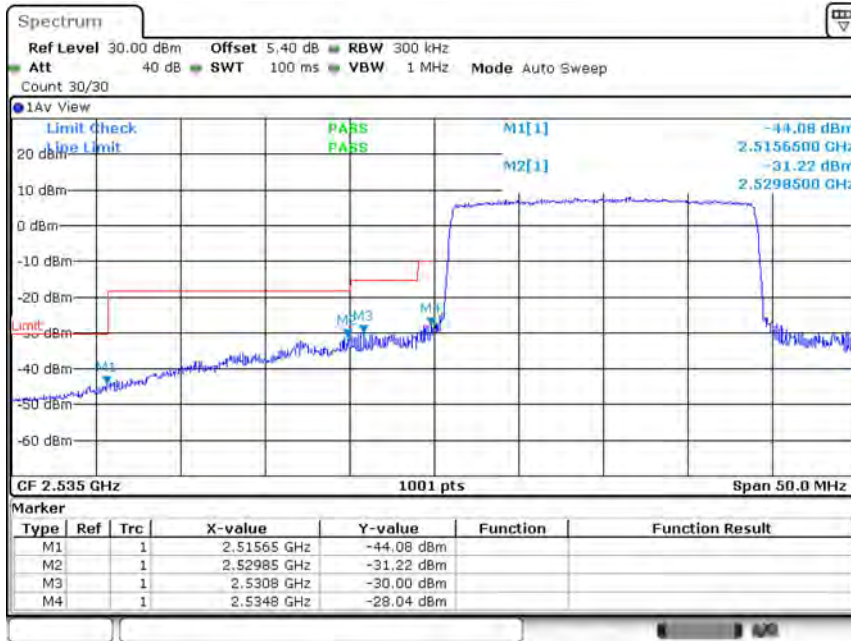


Date: 22 OCT.2020 01:42:21



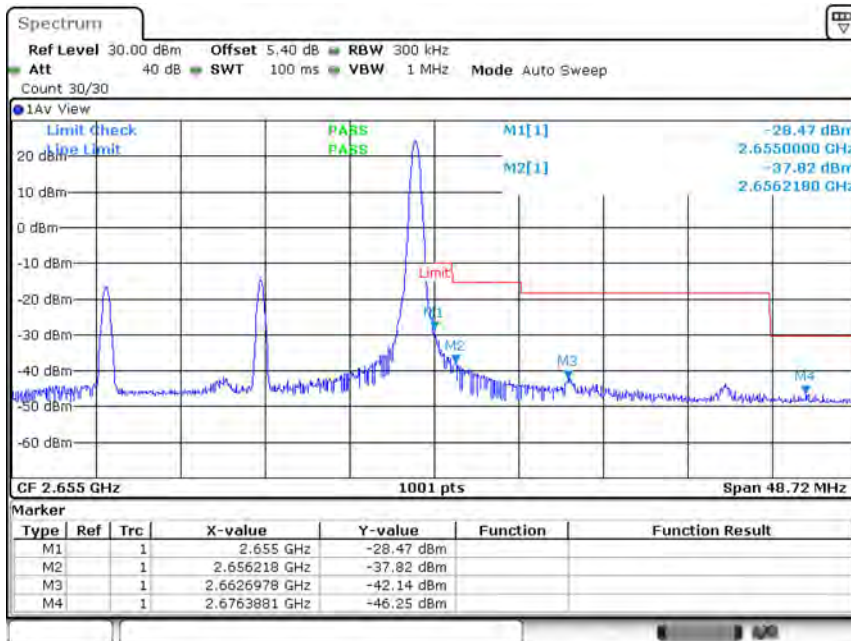
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**Band41-20MHz-QPSK-40140-100RB#0**



Date: 22 OCT.2020 01:42:59

**Band41-20MHz-QPSK-41140-1RB#99**



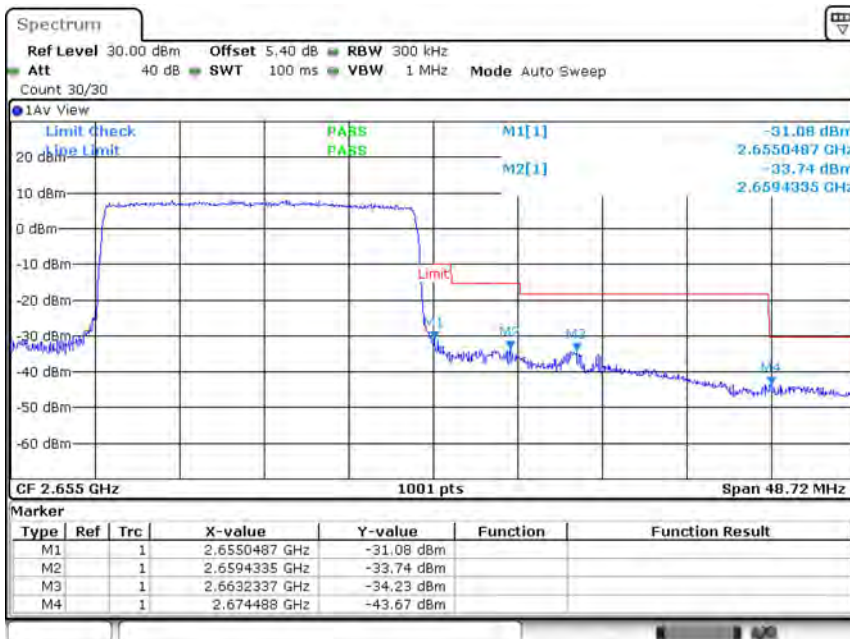
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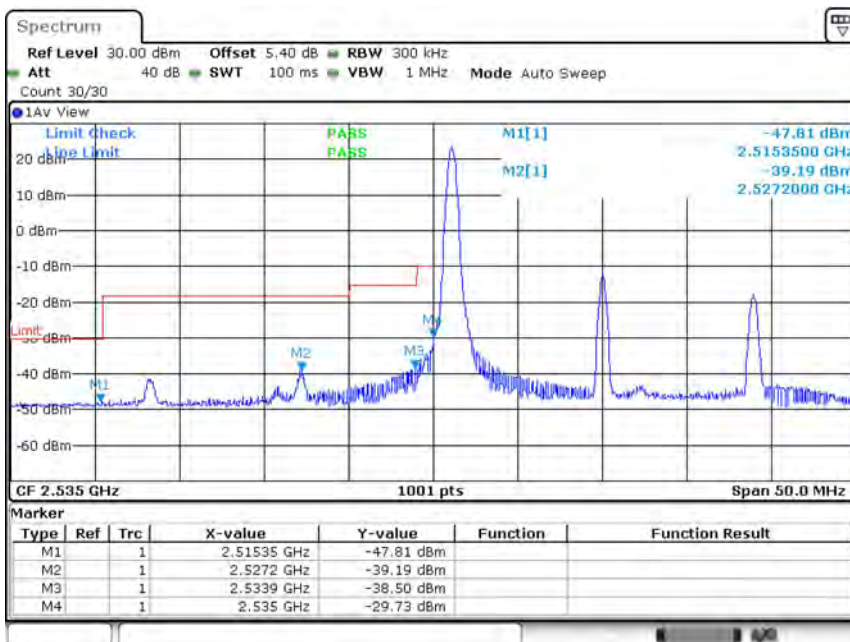


**Band41-20MHz-QPSK-41140-100RB#0**



Date: 22 OCT.2020 01:44:22

**Band41-20MHz-16QAM-40140-1RB#0**

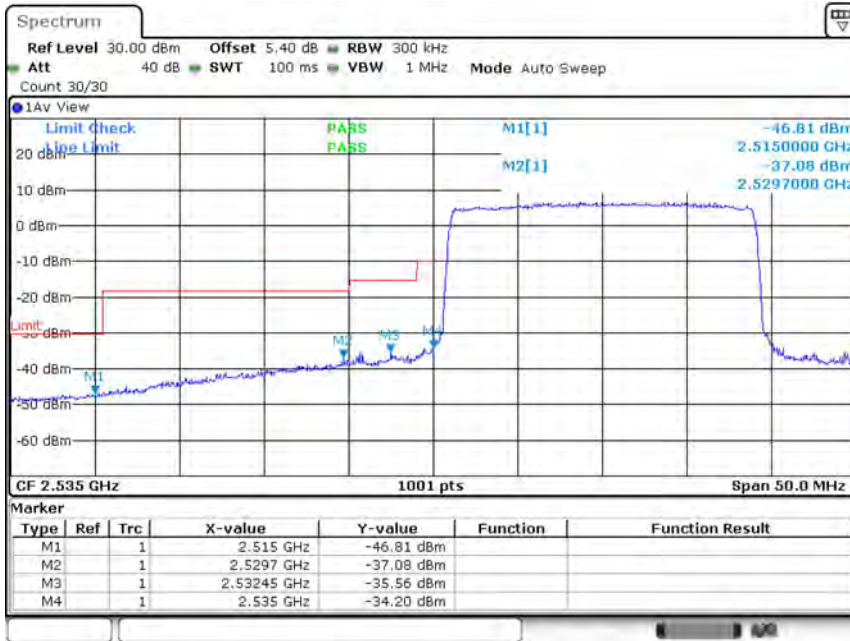


Date: 22 OCT.2020 01:42:40



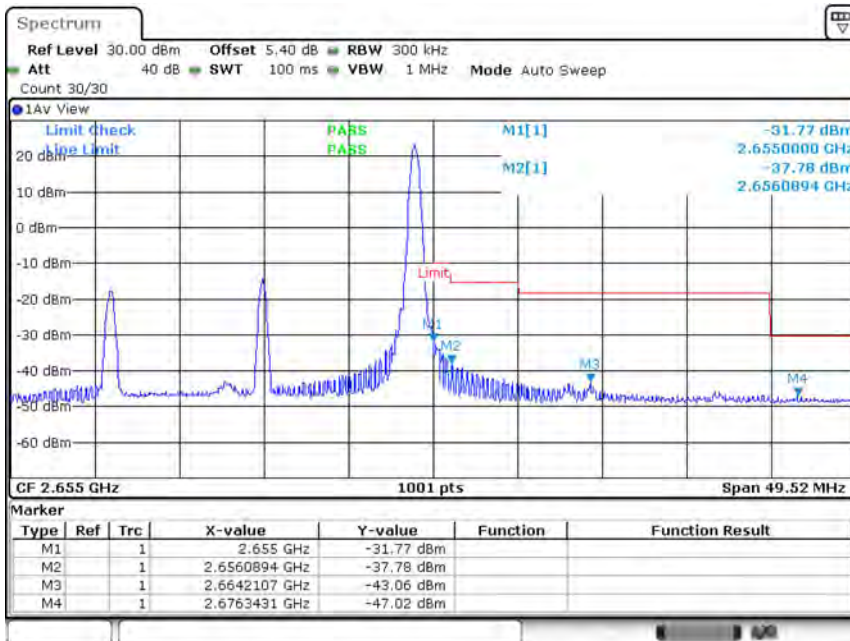
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**Band41-20MHz-16QAM-40140-100RB#0**



Date: 22 OCT.2020 01:43:17

**Band41-20MHz-16QAM-41140-1RB#99**



Date: 22 OCT.2020 01:44:03



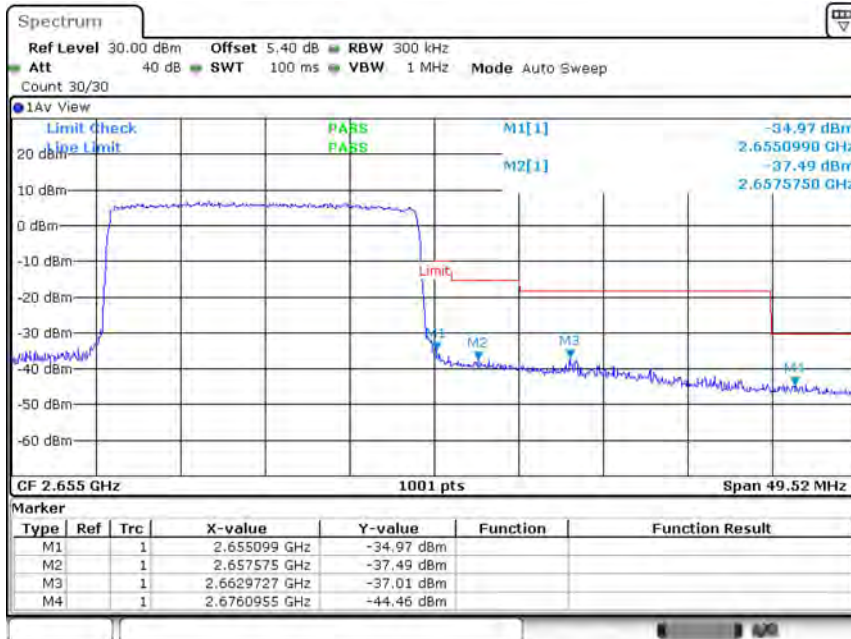
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

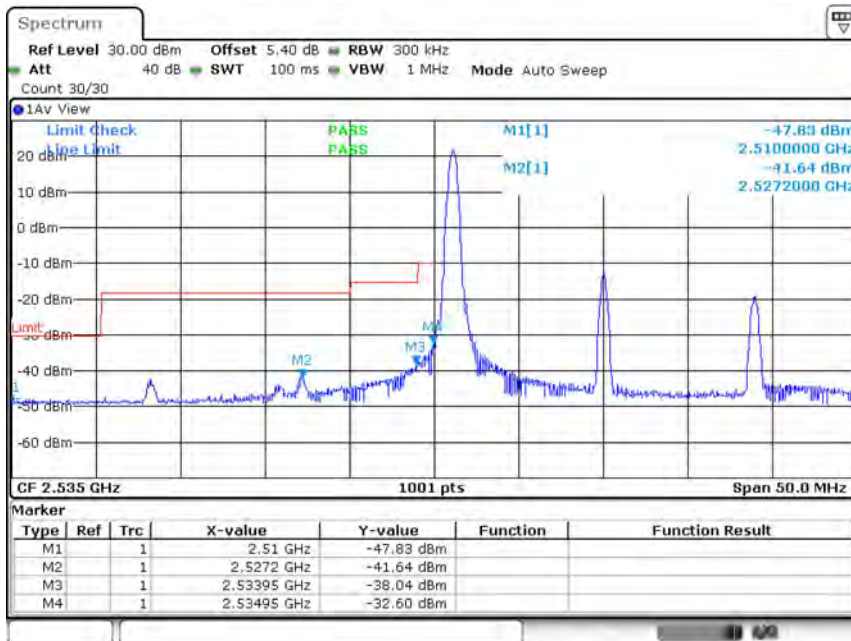


**Band41-20MHz-16QAM-41140-100RB#0**



Date: 22 OCT.2020 01:44:41

**Band41-20MHz-64QAM-40140-1RB#0**

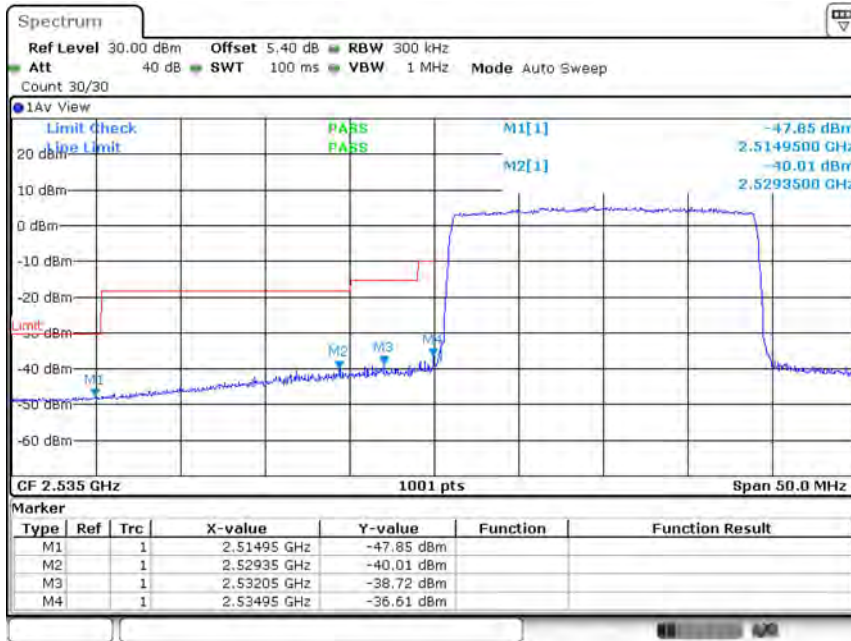


Date: 22 OCT.2020 12:18:23



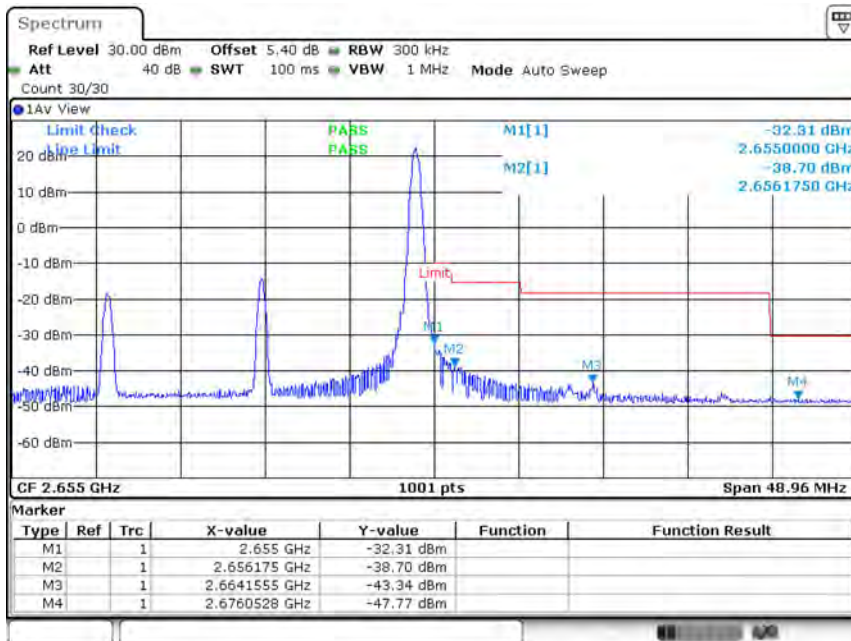
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**Band41-20MHz-64QAM-40140-100RB#0**



Date: 22.OCT.2020 12:18:42

**Band41-20MHz-64QAM-41140-1RB#99**

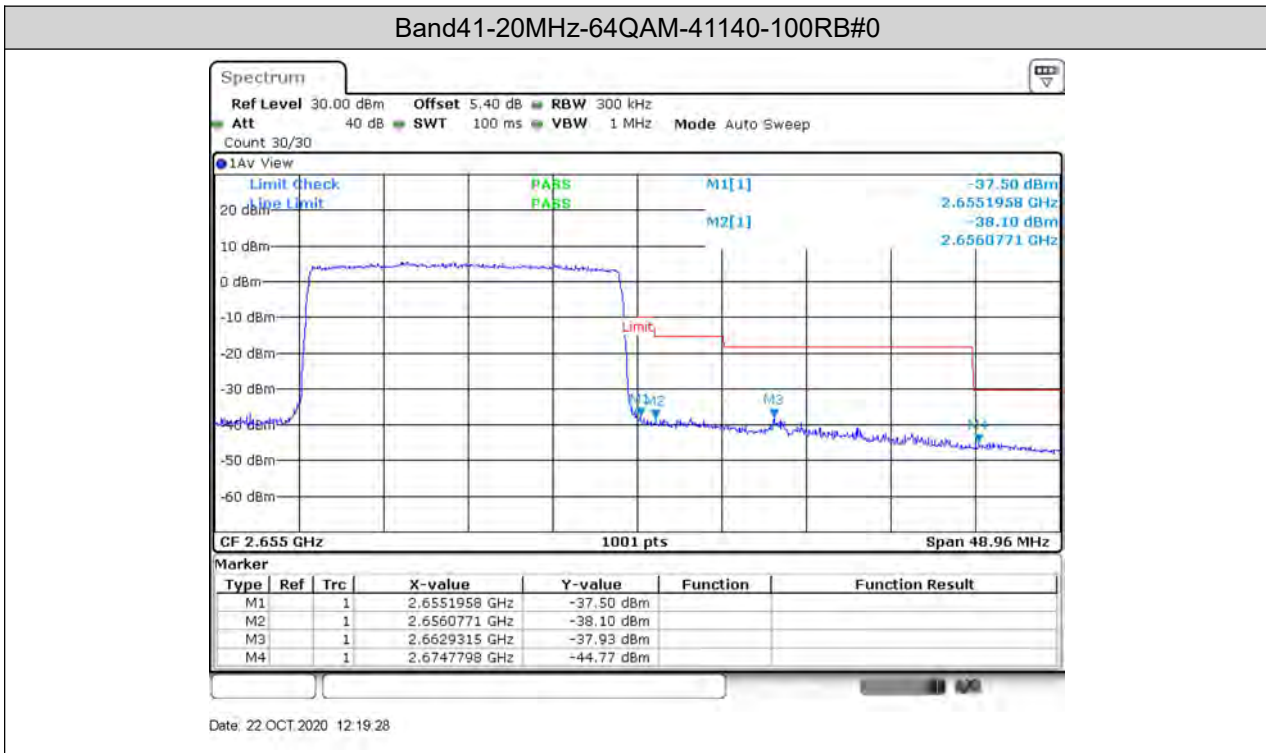


Date: 22.OCT.2020 12:19:09



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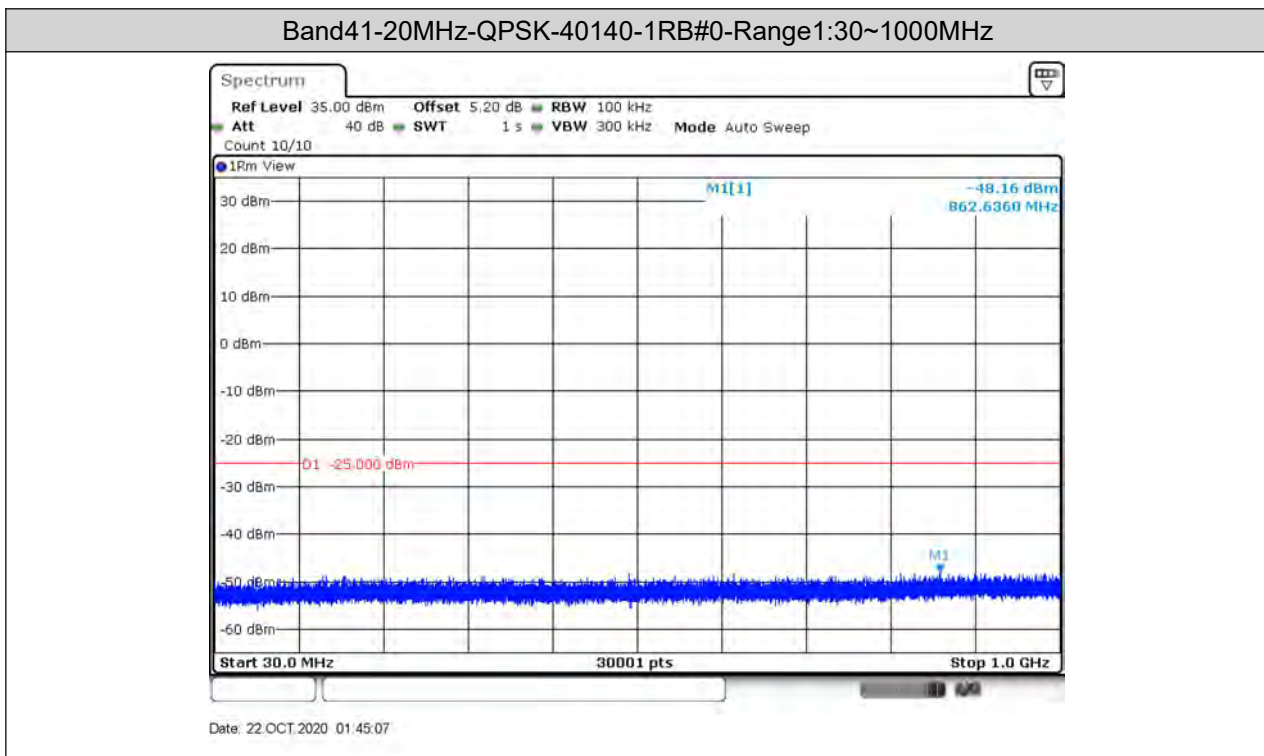
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## 6 Spurious Emission at Antenna Terminal

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 =  $k * (Span / RBW)$ " 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.

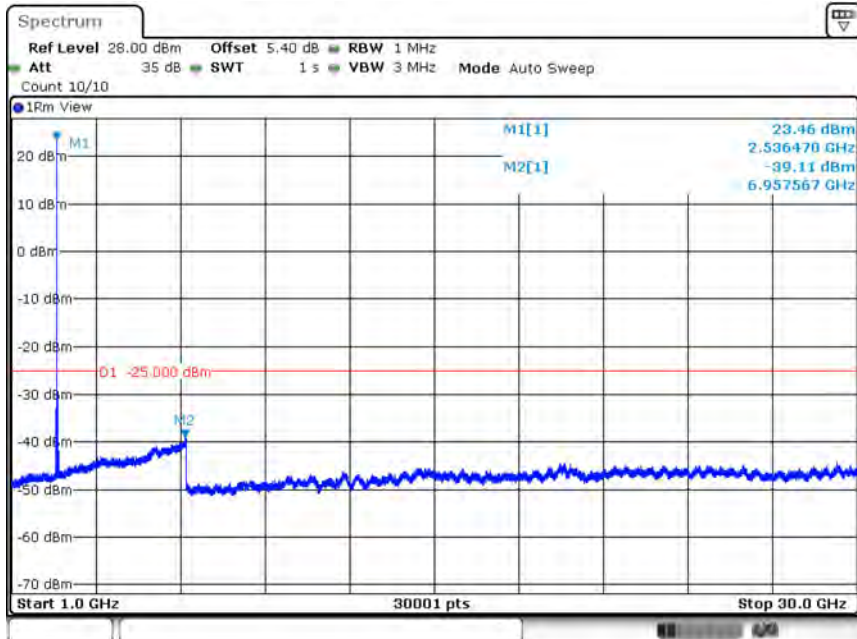
### 6.1 Test Plots



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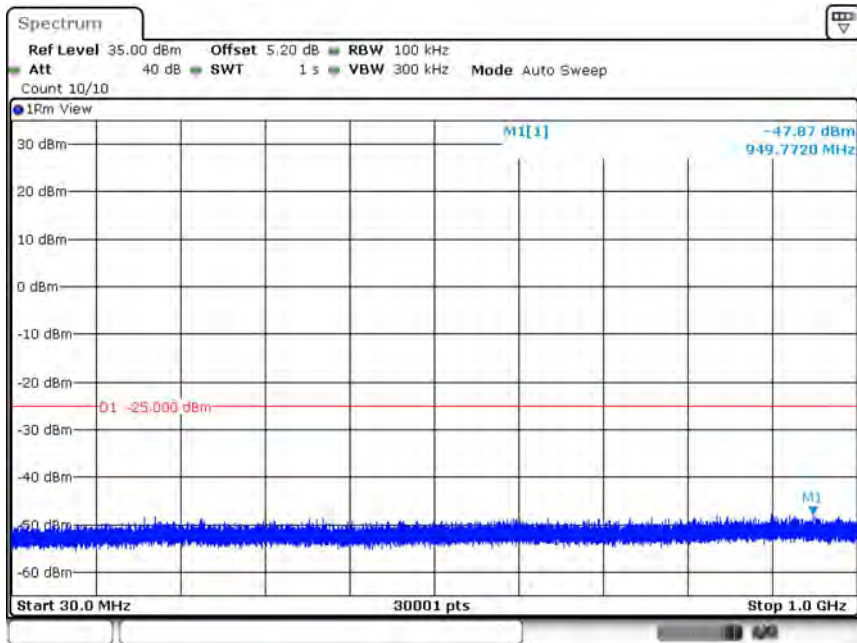


**Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:45:24

**Band41-20MHz-QPSK-40640-1RB#0-Range1:30~1000MHz**



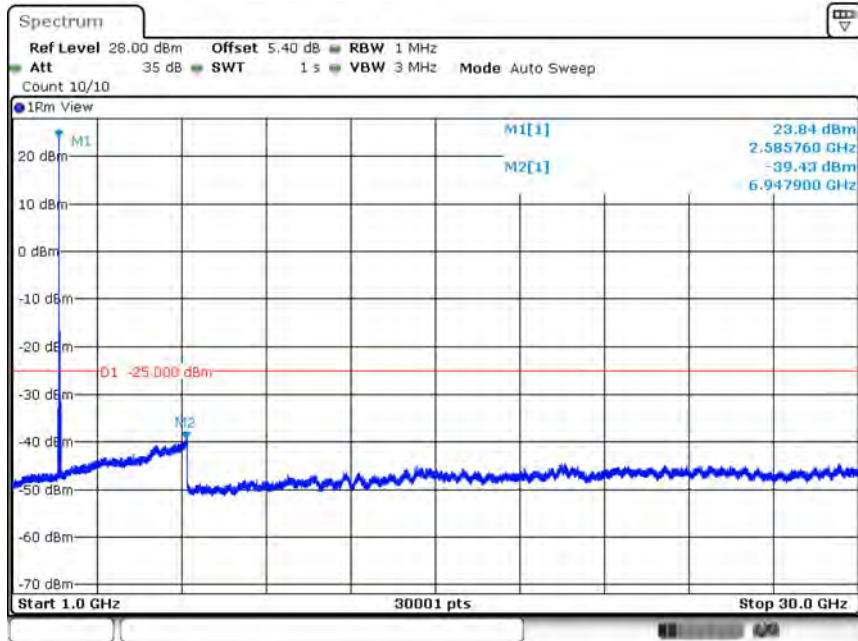
Date: 22.OCT.2020 01:46:25



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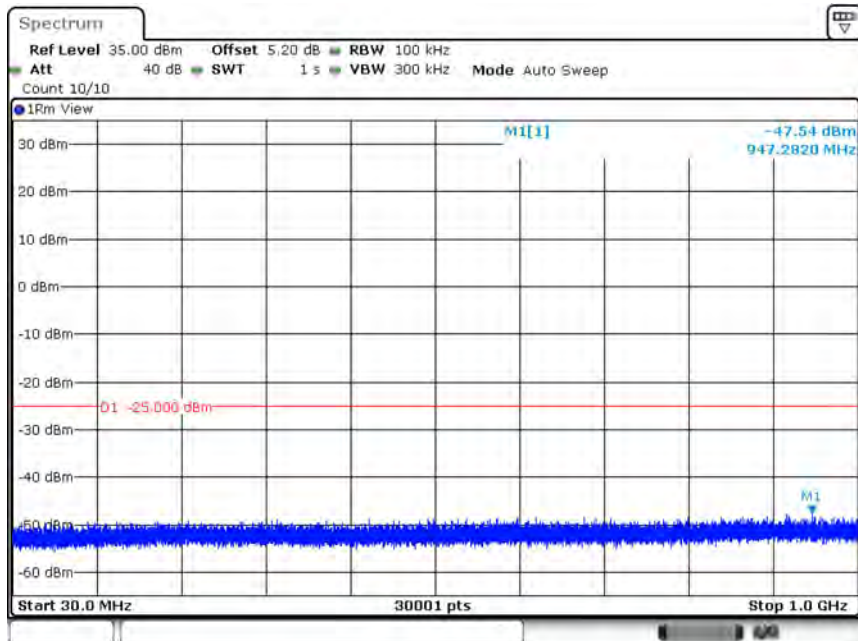


**Band41-20MHz-QPSK-40640-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:46:42

**Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz**



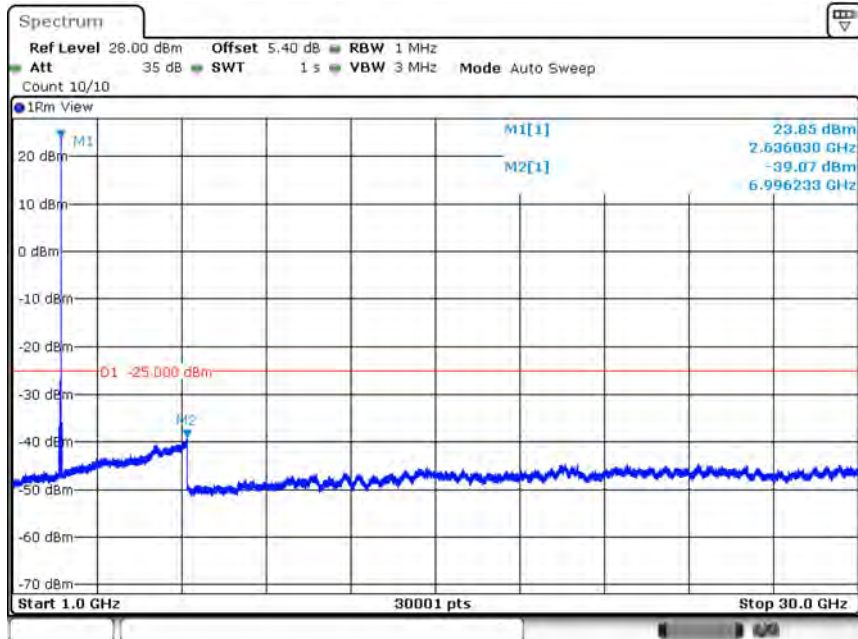
Date: 22.OCT.2020 01:47:43



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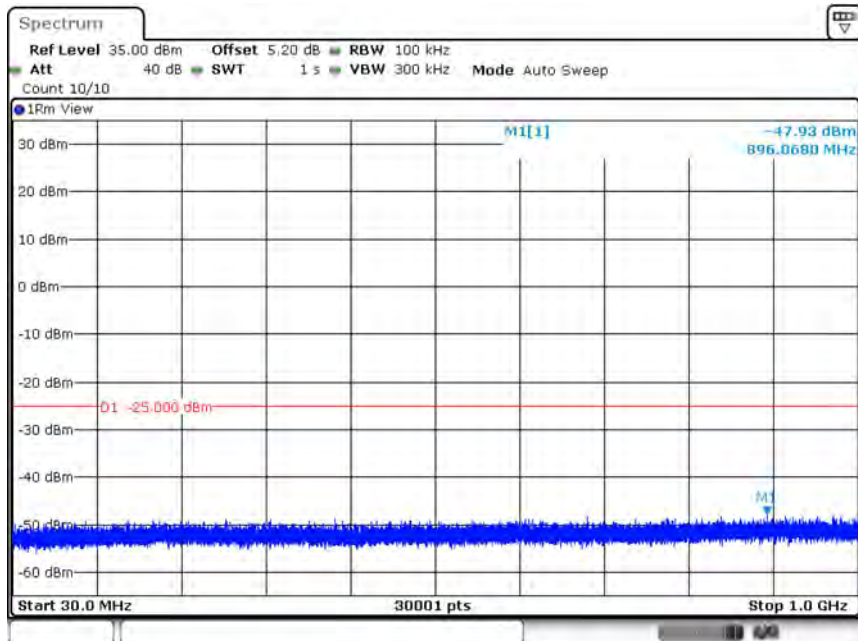


**Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:48:00

**Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz**

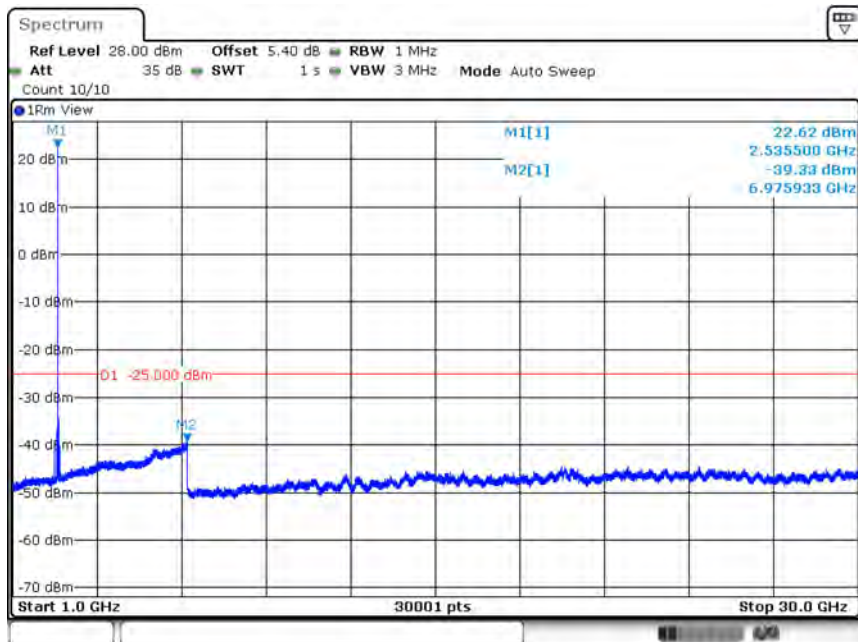


Date: 22.OCT.2020 01:45:46



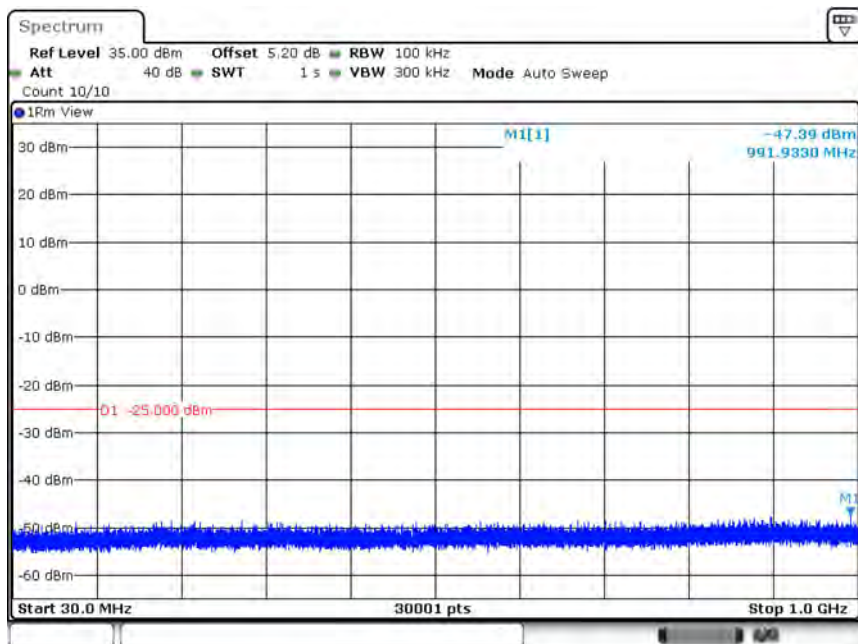
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**Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:46:03

**Band41-20MHz-16QAM-40640-1RB#0-Range1:30~1000MHz**



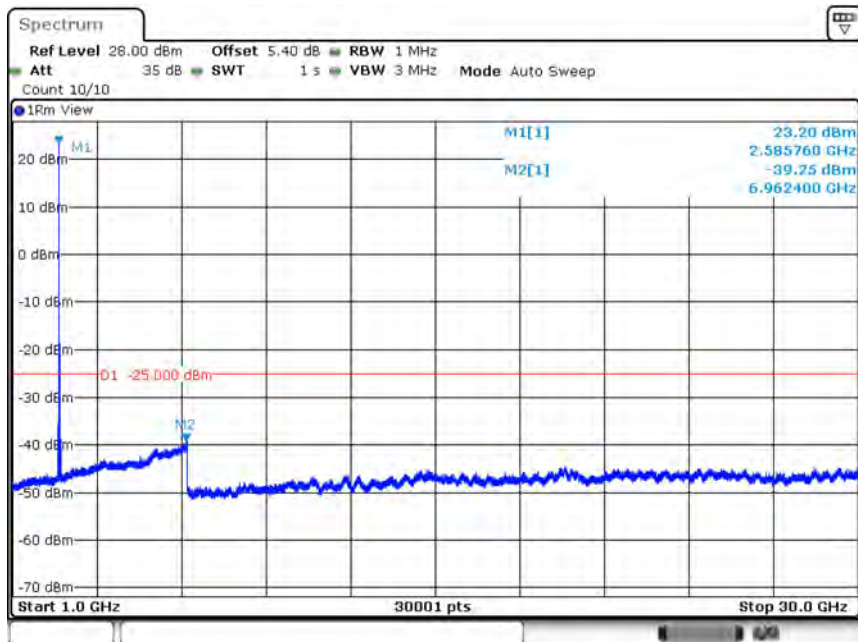
Date: 22.OCT.2020 01:47:04



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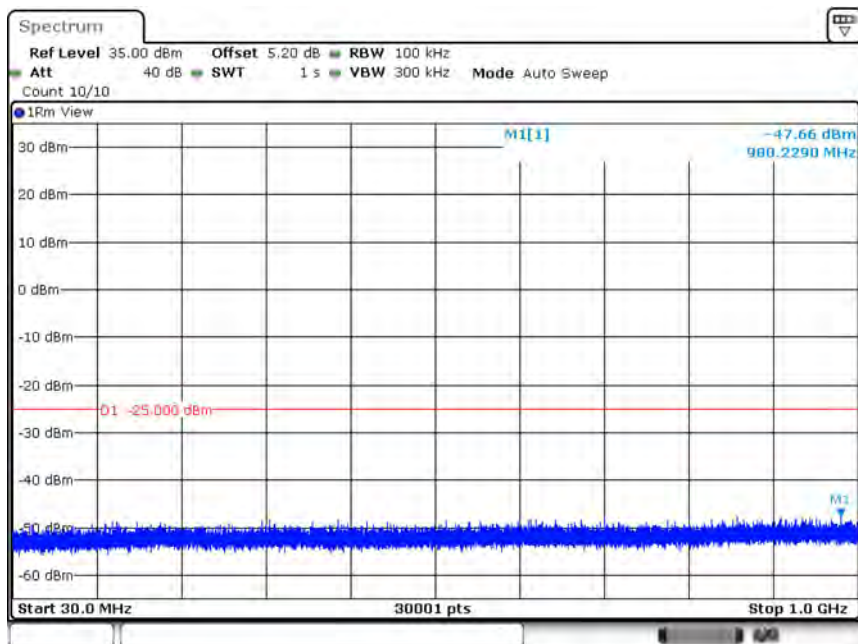


**Band41-20MHz-16QAM-40640-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:47:21

**Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz**

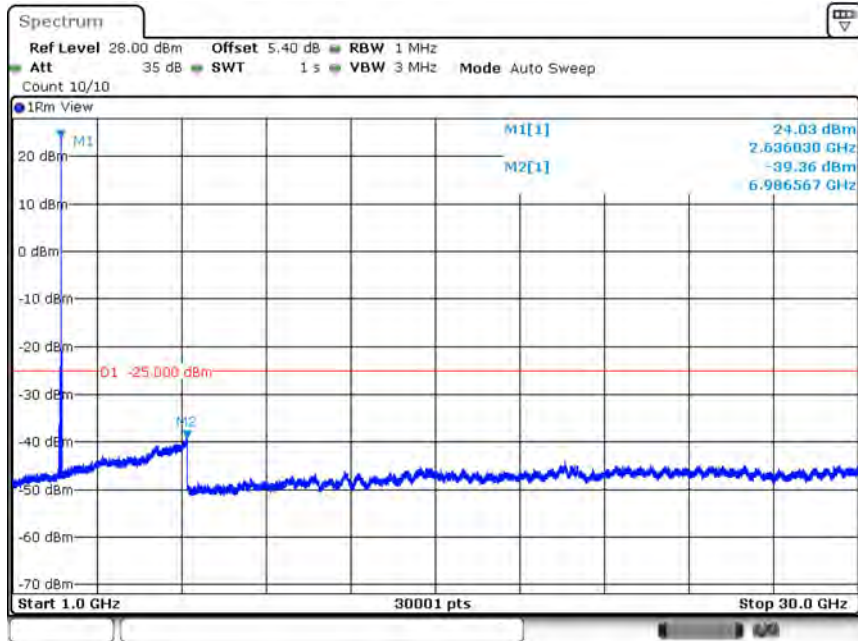


Date: 22.OCT.2020 01:48:22



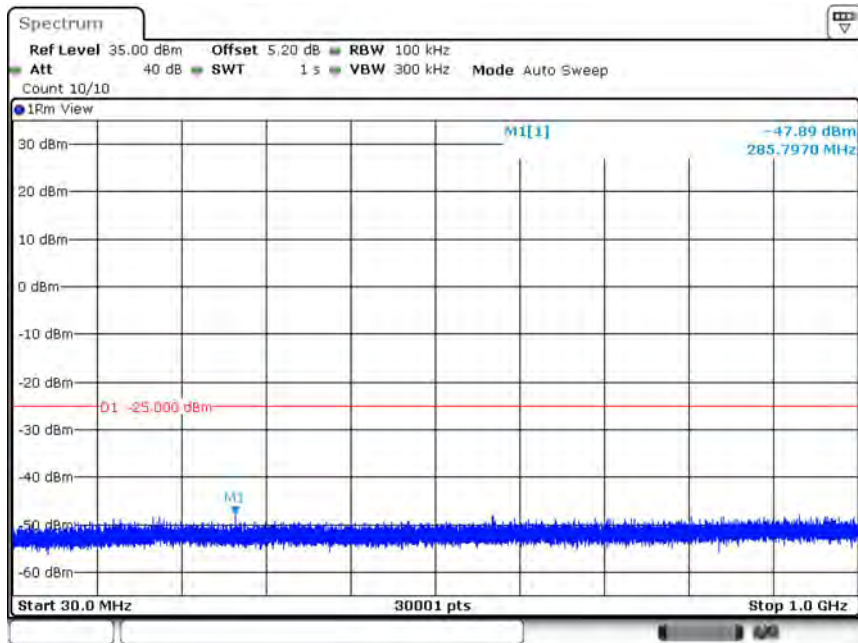
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**Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 01:48:39

**Band41-20MHz-64QAM-40140-1RB#0-Range1:30~1000MHz**



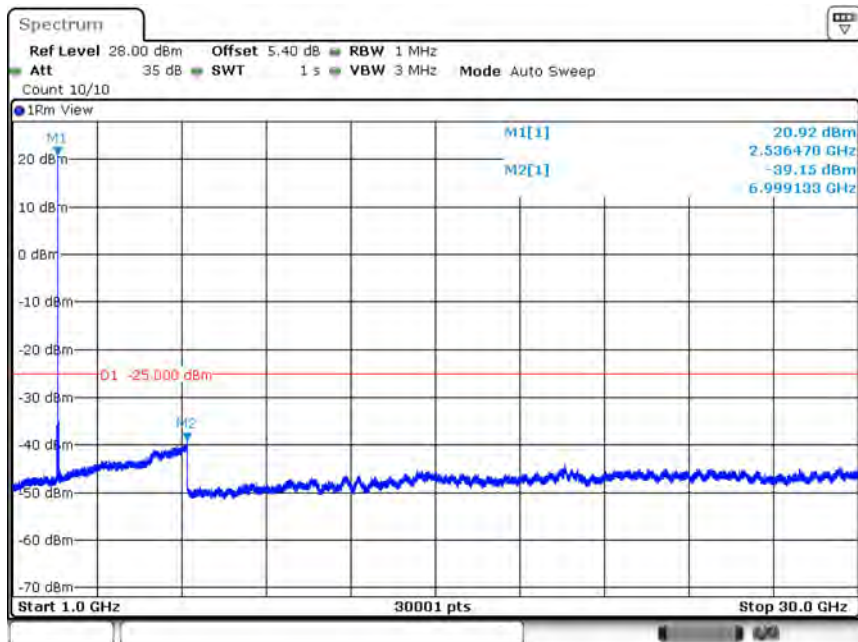
Date: 22.OCT.2020 12:19:56



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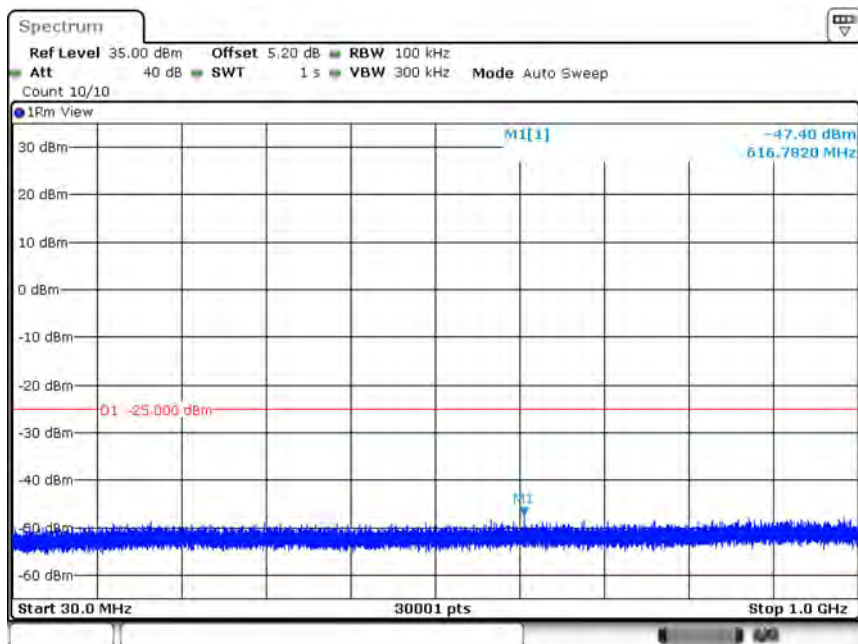


**Band41-20MHz-64QAM-40140-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 12:20:13

**Band41-20MHz-64QAM-40640-1RB#0-Range1:30~1000MHz**

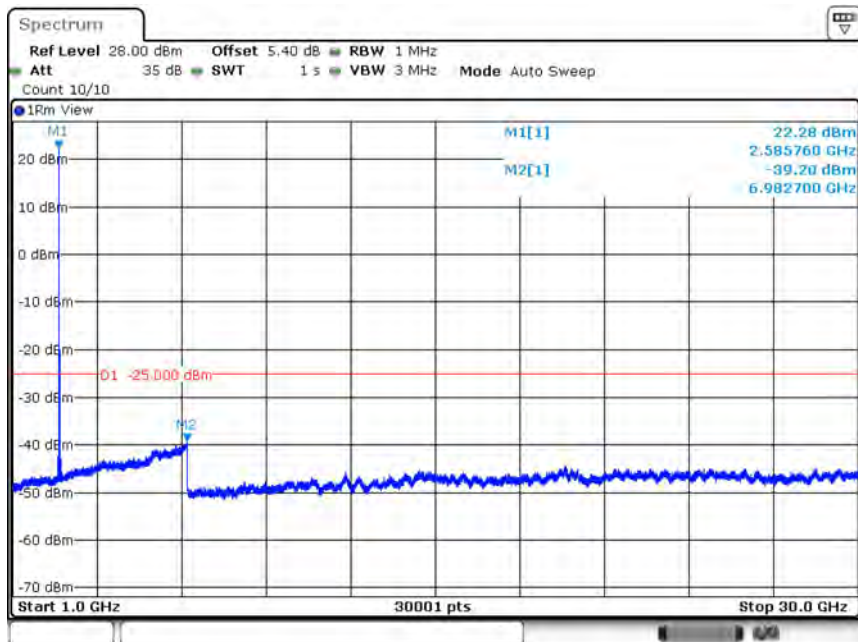


Date: 22.OCT.2020 12:20:36



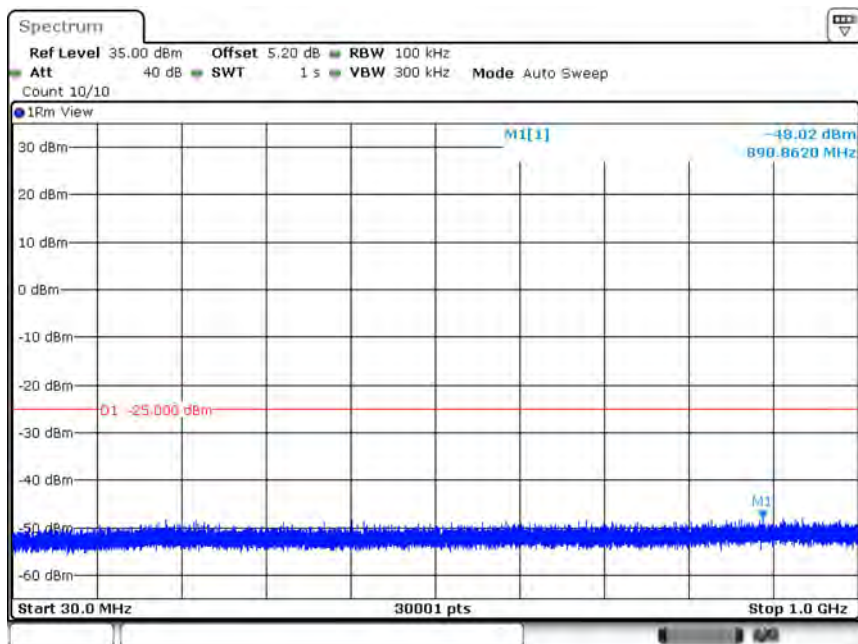
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**Band41-20MHz-64QAM-40640-1RB#0-Range2:1000~30000MHz**



Date: 22.OCT.2020 12:20:53

**Band41-20MHz-64QAM-41140-1RB#0-Range1:30~1000MHz**

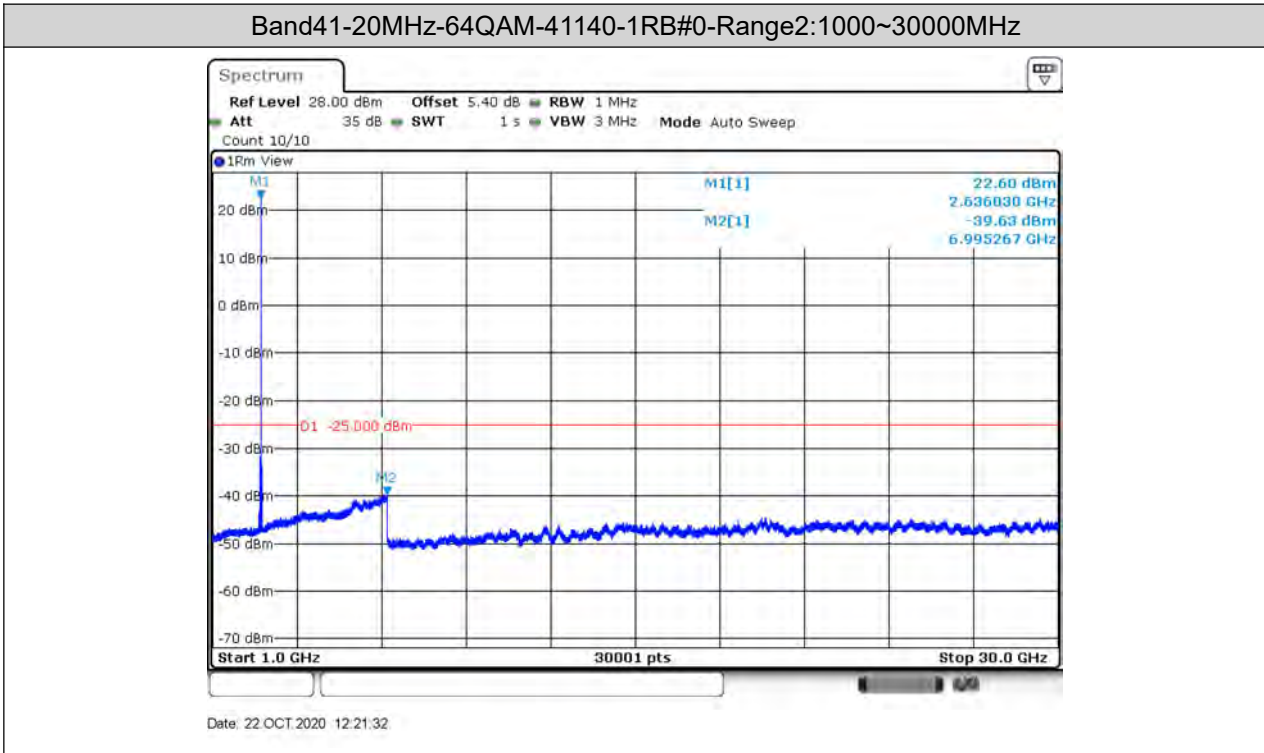


Date: 22.OCT.2020 12:21:15



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## 7 Field Strength of Spurious Radiation

### Firstly Supply:

#### 7.1 Test Band = LTE\_41\_TM1

##### 7.1.1 Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.3196	-63.36	-25.00	38.36	Horizontal
2	600.3885	-63.65	-25.00	38.65	Horizontal
3	1776.1552	-34.49	-25.00	9.49	Horizontal
4	3528.5176	-60.97	-25.00	35.97	Horizontal
5	12868.829	-50.41	-25.00	25.41	Horizontal
6	16398.946	-44.19	-25.00	19.19	Horizontal



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**7.2 Test Band = LTE\_41\_TM1**

**7.2.1 Test Channel = Low Channel**

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	51.2926	-64.03	-25.00	39.03	Vertical
2	110.3685	-64.84	-25.00	39.84	Vertical
3	1783.7568	-39.42	-25.00	14.42	Vertical
4	5072.5691	-56.49	-25.00	31.49	Vertical
5	14495.883	-47.99	-25.00	22.99	Vertical
6	17996.499	-40.51	-25.00	15.51	Vertical



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**7.3 Test Band = LTE\_41\_TM1**

**7.3.1 Test Channel = Middle Channel**

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.5621	-62.71	-25.00	37.71	Horizontal
2	240.0155	-68.64	-25.00	43.64	Horizontal
3	752.9286	-60.44	-25.00	35.44	Horizontal
4	1779.7560	-42.25	-25.00	17.25	Horizontal
5	5172.0724	-59.11	-25.00	34.11	Horizontal
6	16387.446	-44.73	-25.00	19.73	Horizontal



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**7.4 Test Band = LTE\_41\_TM1**

**7.4.1 Test Channel = Middle Channel**

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	52.1656	-62.93	-25.00	37.93	Vertical
2	82.4796	-64.34	-25.00	39.34	Vertical
3	572.7906	-65.23	-25.00	40.23	Vertical
4	1644.5289	-43.53	-25.00	18.53	Vertical
5	5172.0724	-53.48	-25.00	28.48	Vertical
6	17997.999	-40.94	-25.00	15.94	Vertical



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**7.5 Test Band = LTE\_41\_TM1**

**7.5.1 Test Channel = High Channel**

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	51.9716	-63.69	-25.00	38.69	Horizontal
2	240.3550	-68.40	-25.00	43.40	Horizontal
3	532.9701	-65.48	-25.00	40.48	Horizontal
4	1604.1208	-44.07	-25.00	19.07	Horizontal
5	5272.0757	-58.60	-25.00	33.60	Horizontal
6	16392.946	-44.38	-25.00	19.38	Horizontal



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**7.6 Test Band = LTE\_41\_TM1**

**7.6.1 Test Channel = High Channel**

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	51.9716	-64.96	-25.00	39.96	Vertical
2	114.5397	-64.41	-25.00	39.41	Vertical
3	625.2703	-62.91	-25.00	37.91	Vertical
4	1769.7540	-42.13	-25.00	17.13	Vertical
5	5272.0757	-54.03	-25.00	29.03	Vertical
6	17990.499	-41.11	-25.00	16.11	Vertical

**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.



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## 8 Frequency Stability

### 8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	2.90	0.001139	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	-1.20	-0.000462	±2.5	FAIL
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	2.90	0.001139	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-5.90	-0.002274	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-8.90	-0.003430	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-1.20	-0.000462	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	3.60	0.001361	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	4.30	0.001626	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	0.10	0.000038	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	1.40	0.000550	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	2.60	0.001022	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	1.10	0.000432	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-7.30	-0.002813	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-0.20	-0.000077	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-2.30	-0.000886	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	5.40	0.002042	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-0.90	-0.000340	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	9.90	0.003743	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	2.00	0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	15.00	0.005894	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	1.50	0.000578	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	2.30	0.000886	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-1.20	-0.000462	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	10.80	0.004083	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	0.10	0.000038	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	6.60	0.002495	±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	-2.20	-0.000864	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	-1.30	-0.000511	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-10	2.70	0.001061	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-1.00	-0.000393	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	3.40	0.001336	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	0.50	0.000196	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	7.50	0.002947	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	2.70	0.001061	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-1.10	-0.000424	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-5.50	-0.002119	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-10	-6.20	-0.002389	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-4.80	-0.001850	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	-3.50	-0.001349	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-1.60	-0.000617	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-4.20	-0.001618	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-2.90	-0.001118	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	0.50	0.000189	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	5.90	0.002231	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-10	5.30	0.002004	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	3.30	0.001248	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	3.10	0.001172	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	6.70	0.002533	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	5.50	0.002079	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	1.00	0.000378	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-1.90	-0.000718	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-2.50	-0.000982	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-10	3.00	0.001179	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	0.30	0.000118	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-3.30	-0.001297	±2.5	PASS



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Band41	20MHz	16QAM	40140	100RB#0	NV	30	2.20	0.000864	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	5.30	0.002083	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	0.10	0.000039	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-6.30	-0.002428	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-6.70	-0.002582	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-10	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	2.40	0.000925	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-3.20	-0.001233	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-3.40	-0.001310	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-3.80	-0.001464	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-3.00	-0.001156	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	3.70	0.001426	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-1.00	-0.000378	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	3.00	0.001134	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-10	2.30	0.000870	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	11.10	0.004197	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	1.70	0.000643	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	3.70	0.001399	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	0.70	0.000265	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	2.40	0.000907	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	1.10	0.000416	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	1.30	0.000511	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	-1.90	-0.000747	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-10	5.80	0.002279	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	4.70	0.001847	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	0.50	0.000196	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	2.20	0.000864	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	0.90	0.000354	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	40	2.30	0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	50	3.00	0.001179	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	1.70	0.000655	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	2.30	0.000886	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-10	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-4.50	-0.001734	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	1.00	0.000385	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-1.80	-0.000694	±2.5	PASS



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Band41	20MHz	64QAM	40640	100RB#0	NV	40	-3.50	-0.001349	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	3.30	0.001272	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	4.80	0.001815	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-4.50	-0.001701	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-10	5.20	0.001966	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	1.00	0.000378	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	3.10	0.001172	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	6.00	0.002268	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	3.40	0.001285	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	3.80	0.001437	±2.5	PASS

The End



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