Appendix B

E-UTRA Band 41

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	22.71	22.21	33	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.53	22.03	33	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.73	22.23	33	PASS
Band41	5MHz	QPSK	40065	12RB#6	21.66	21.16	33	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.61	21.11	33	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.53	21.03	33	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.65	21.15	33	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.83	22.33	33	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.54	22.04	33	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.78	22.28	33	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.52	21.02	33	PASS
Band41	5MHz	QPSK	40640	12RB#0	22.00	21.50	33	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.96	21.46	33	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.95	21.45	33	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.64	22.14	33	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.11	21.61	33	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.56	22.06	33	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.08	20.58	33	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.11	20.61	33	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.22	20.72	33	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.09	20.59	33	PASS
Band41	5MHz	64QAM	40065	1RB#0	21.06	20.56	33	PASS
Band41	5MHz	64QAM	40065	1RB#24	21.28	20.78	33	PASS
Band41	5MHz	64QAM	40065	1RB#12	21.02	20.52	33	PASS
Band41	5MHz	64QAM	40065	12RB#0	19.87	19.37	33	PASS
Band41	5MHz	64QAM	40065	12RB#6	20.10	19.60	33	PASS
Band41	5MHz	64QAM	40065	12RB#13	19.71	19.21	33	PASS

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Band41	5MHz	64QAM	40065	25RB#0	19.96	19.46	33	PASS
Band41	5MHz	64QAM	40640	1RB#0	20.50	20.00	33	PASS
Band41	5MHz	64QAM	40640	1RB#12	21.28	20.78	33	PASS
Band41	5MHz	64QAM	40640	1RB#24	20.79	20.29	33	PASS
Band41	5MHz	64QAM	40640	12RB#13	19.73	19.23	33	PASS
Band41	5MHz	64QAM	40640	12RB#6	19.83	19.33	33	PASS
Band41	5MHz	64QAM	40640	12RB#0	19.78	19.28	33	PASS
Band41	5MHz	64QAM	40640	25RB#0	19.70	19.20	33	PASS
Band41	5MHz	64QAM	41215	1RB#0	21.16	20.66	33	PASS
Band41	5MHz	64QAM	41215	1RB#12	21.09	20.59	33	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.94	20.44	33	PASS
Band41	5MHz	64QAM	41215	12RB#0	20.19	19.69	33	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.99	19.49	33	PASS
Band41	5MHz	64QAM	41215	12RB#13	20.02	19.52	33	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.81	19.31	33	PASS
Band41	5MHz	16QAM	40065	1RB#0	21.54	21.04	33	PASS
Band41	5MHz	16QAM	40065	1RB#12	22.01	21.51	33	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.77	21.27	33	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.54	20.04	33	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.53	20.03	33	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.64	20.14	33	PASS
Band41	5MHz	16QAM	40065	25RB#0	20.78	20.28	33	PASS
Band41	5MHz	16QAM	40640	1RB#0	22.12	21.62	33	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.52	21.02	33	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.91	21.41	33	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.56	20.06	33	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.67	20.17	33	PASS
Band41	5MHz	16QAM	40640	12RB#13	20.56	20.06	33	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.54	20.04	33	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.40	20.90	33	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.20	20.70	33	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.73	21.23	33	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.20	19.70	33	PASS

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Band41	5MHz	16QAM	41215	12RB#0	20.12	19.62	33	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.07	19.57	33	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.24	19.74	33	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.75	22.25	33	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.16	21.66	33	PASS
Band41	10MHz	QPSK	40090	1RB#49	22.41	21.91	33	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.19	20.69	33	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.21	20.71	33	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.23	20.73	33	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.21	20.71	33	PASS
Band41	10MHz	QPSK	40640	1RB#0	22.47	21.97	33	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.09	21.59	33	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.23	21.73	33	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.10	20.60	33	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.05	20.55	33	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.01	20.51	33	PASS
Band41	10MHz	QPSK	40640	50RB#0	21.09	20.59	33	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.80	22.30	33	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.14	21.64	33	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.35	21.85	33	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.08	20.58	33	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.11	20.61	33	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.27	20.77	33	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.17	20.67	33	PASS
Band41	10MHz	64QAM	40090	1RB#0	21.03	20.53	33	PASS
Band41	10MHz	64QAM	40090	1RB#24	21.23	20.73	33	PASS
Band41	10MHz	64QAM	40090	1RB#49	21.06	20.56	33	PASS
Band41	10MHz	64QAM	40090	25RB#0	19.87	19.37	33	PASS
Band41	10MHz	64QAM	40090	25RB#12	20.04	19.54	33	PASS
Band41	10MHz	64QAM	40090	25RB#25	19.81	19.31	33	PASS
Band41	10MHz	64QAM	40090	50RB#0	19.94	19.44	33	PASS
Band41	10MHz	64QAM	40640	1RB#0	20.58	20.08	33	PASS
Band41	10MHz	64QAM	40640	1RB#24	21.28	20.78	33	PASS

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Band41	10MHz	64QAM	40640	25RB#0	19.80	19.30	33	PASS
Band41	10MHz	64QAM	40640	25RB#12	19.87	19.37	33	PASS
Band41	10MHz	64QAM	40640	25RB#25	19.85	19.35	33	PASS
Band41	10MHz	64QAM	40640	50RB#0	19.70	19.20	33	PASS
Band41	10MHz	64QAM	41190	1RB#0	21.10	20.60	33	PASS
Band41	10MHz	64QAM	41190	1RB#24	21.11	20.61	33	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.94	20.44	33	PASS
Band41	10MHz	64QAM	41190	25RB#0	20.20	19.70	33	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.93	19.43	33	PASS
Band41	10MHz	64QAM	41190	25RB#25	20.02	19.52	33	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.79	19.29	33	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.35	20.85	33	PASS
Band41	10MHz	16QAM	40090	1RB#24	21.04	20.54	33	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.93	21.43	33	PASS
Band41	10MHz	16QAM	40090	25RB#0	20.14	19.64	33	PASS
Band41	10MHz	16QAM	40090	25RB#12	20.20	19.70	33	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.02	19.52	33	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.22	19.72	33	PASS
Band41	10MHz	16QAM	40640	1RB#0	21.45	20.95	33	PASS
Band41	10MHz	16QAM	40640	1RB#24	21.27	20.77	33	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.19	20.69	33	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.09	19.59	33	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.02	19.52	33	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.12	19.62	33	PASS
Band41	10MHz	16QAM	40640	50RB#0	20.12	19.62	33	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.64	21.14	33	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.23	20.73	33	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.31	20.81	33	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.12	19.62	33	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.05	19.55	33	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.10	19.60	33	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.20	19.70	33	PASS

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Band41	15MHz	QPSK	40115	1RB#0	22.54	22.04	33	PASS
Band41	15MHz	QPSK	40115	1RB#38	22.18	21.68	33	PASS
Band41	15MHz	QPSK	40115	1RB#74	22.47	21.97	33	PASS
Band41	15MHz	QPSK	40115	36RB#0	21.21	20.71	33	PASS
Band41	15MHz	QPSK	40115	36RB#18	21.19	20.69	33	PASS
Band41	15MHz	QPSK	40115	36RB#39	21.36	20.86	33	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.25	20.75	33	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.52	22.02	33	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.17	21.67	33	PASS
Band41	15MHz	QPSK	40640	1RB#74	22.44	21.94	33	PASS
Band41	15MHz	QPSK	40640	36RB#0	21.11	20.61	33	PASS
Band41	15MHz	QPSK	40640	36RB#18	21.21	20.71	33	PASS
Band41	15MHz	QPSK	40640	36RB#39	21.29	20.79	33	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.19	20.69	33	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.49	21.99	33	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.19	21.69	33	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.44	21.94	33	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.30	20.80	33	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.17	20.67	33	PASS
Band41	15MHz	QPSK	41165	36RB#39	21.34	20.84	33	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.22	20.72	33	PASS
Band41	15MHz	64QAM	40115	1RB#0	21.05	20.55	33	PASS
Band41	15MHz	64QAM	40115	1RB#38	21.29	20.79	33	PASS
Band41	15MHz	64QAM	40115	1RB#74	21.10	20.60	33	PASS
Band41	15MHz	64QAM	40115	36RB#0	19.90	19.40	33	PASS
Band41	15MHz	64QAM	40115	36RB#18	20.14	19.64	33	PASS
Band41	15MHz	64QAM	40115	36RB#39	19.76	19.26	33	PASS
Band41	15MHz	64QAM	40115	75RB#0	20.04	19.54	33	PASS
Band41	15MHz	64QAM	40640	1RB#0	20.55	20.05	33	PASS
Band41	15MHz	64QAM	40640	1RB#38	21.35	20.85	33	PASS
Band41	15MHz	64QAM	40640	1RB#74	20.88	20.38	33	PASS
Band41	15MHz	64QAM	40640	36RB#0	19.76	19.26	33	PASS
Band41	15MHz	64QAM	40640	36RB#18	19.95	19.45	33	PASS

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Band41	15MHz	64QAM	40640	36RB#39	19.88	19.38	33	PASS
Band41	15MHz	64QAM	40640	75RB#0	19.78	19.28	33	PASS
Band41	15MHz	64QAM	41165	1RB#0	21.22	20.72	33	PASS
Band41	15MHz	64QAM	41165	1RB#38	21.16	20.66	33	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.99	20.49	33	PASS
Band41	15MHz	64QAM	41165	36RB#0	20.22	19.72	33	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.99	19.49	33	PASS
Band41	15MHz	64QAM	41165	36RB#39	20.12	19.62	33	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.87	19.37	33	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.71	21.21	33	PASS
Band41	15MHz	16QAM	40115	1RB#38	21.13	20.63	33	PASS
Band41	15MHz	16QAM	40115	1RB#74	21.54	21.04	33	PASS
Band41	15MHz	16QAM	40115	36RB#0	20.22	19.72	33	PASS
Band41	15MHz	16QAM	40115	36RB#18	20.15	19.65	33	PASS
Band41	15MHz	16QAM	40115	36RB#39	20.24	19.74	33	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.22	19.72	33	PASS
Band41	15MHz	16QAM	40640	1RB#0	21.76	21.26	33	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.15	20.65	33	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.42	20.92	33	PASS
Band41	15MHz	16QAM	40640	36RB#0	20.24	19.74	33	PASS
Band41	15MHz	16QAM	40640	36RB#18	20.12	19.62	33	PASS
Band41	15MHz	16QAM	40640	36RB#39	20.21	19.71	33	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.24	19.74	33	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.85	21.35	33	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.46	20.96	33	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.84	21.34	33	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.23	19.73	33	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.21	19.71	33	PASS
Band41	15MHz	16QAM	41165	36RB#39	20.25	19.75	33	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.23	19.73	33	PASS
Band41	20MHz	QPSK	40140	1RB#0	22.86	22.36	33	PASS
Band41	20MHz	QPSK	40140	1RB#49	23.16	22.66	33	PASS
Band41	20MHz	QPSK	40140	1RB#99	23.24	22.74	33	PASS

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Band41	20MHz	QPSK	40140	50RB#25	21.98	21.48	33	PASS
Band41	20MHz	QPSK	40140	50RB#0	22.12	21.62	33	PASS
Band41	20MHz	QPSK	40140	50RB#50	22.26	21.76	33	PASS
Band41	20MHz	QPSK	40140	100RB#0	22.11	21.61	33	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.79	22.29	33	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.95	22.45	33	PASS
Band41	20MHz	QPSK	40640	1RB#99	22.96	22.46	33	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.93	21.43	33	PASS
Band41	20MHz	QPSK	40640	50RB#0	22.12	21.62	33	PASS
Band41	20MHz	QPSK	40640	50RB#50	22.13	21.63	33	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.97	21.47	33	PASS
Band41	20MHz	QPSK	41140	1RB#0	23.19	22.69	33	PASS
Band41	20MHz	QPSK	41140	1RB#49	23.19	22.69	33	PASS
Band41	20MHz	QPSK	41140	1RB#99	23.20	22.70	33	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.95	21.45	33	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.24	21.74	33	PASS
Band41	20MHz	QPSK	41140	50RB#50	22.25	21.75	33	PASS
Band41	20MHz	QPSK	41140	100RB#0	22.03	21.53	33	PASS
Band41	20MHz	64QAM	40140	1RB#0	21.14	20.64	33	PASS
Band41	20MHz	64QAM	40140	1RB#49	21.32	20.82	33	PASS
Band41	20MHz	64QAM	40140	1RB#99	21.15	20.65	33	PASS
Band41	20MHz	64QAM	40140	50RB#25	19.90	19.40	33	PASS
Band41	20MHz	64QAM	40140	50RB#0	20.11	19.61	33	PASS
Band41	20MHz	64QAM	40140	50RB#50	19.78	19.28	33	PASS
Band41	20MHz	64QAM	40140	100RB#0	19.98	19.48	33	PASS
Band41	20MHz	64QAM	40640	1RB#0	20.61	20.11	33	PASS
Band41	20MHz	64QAM	40640	1RB#49	21.37	20.87	33	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.89	20.39	33	PASS
Band41	20MHz	64QAM	40640	50RB#25	19.81	19.31	33	PASS
Band41	20MHz	64QAM	40640	50RB#0	19.90	19.40	33	PASS
Band41	20MHz	64QAM	40640	50RB#50	19.85	19.35	33	PASS
Band41	20MHz	64QAM	40640	100RB#0	19.76	19.26	33	PASS
Band41	20MHz	64QAM	41140	1RB#0	21.22	20.72	33	PASS

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Band41	20MHz	64QAM	41140	1RB#49	21.09	20.59	33	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.98	20.48	33	PASS
Band41	20MHz	64QAM	41140	50RB#25	20.24	19.74	33	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.94	19.44	33	PASS
Band41	20MHz	64QAM	41140	50RB#50	20.14	19.64	33	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.83	19.33	33	PASS
Band41	20MHz	16QAM	40140	1RB#0	22.24	21.74	33	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.45	21.95	33	PASS
Band41	20MHz	16QAM	40140	1RB#99	22.27	21.77	33	PASS
Band41	20MHz	16QAM	40140	50RB#25	21.02	20.52	33	PASS
Band41	20MHz	16QAM	40140	50RB#0	21.28	20.78	33	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.96	20.46	33	PASS
Band41	20MHz	16QAM	40140	100RB#0	21.17	20.67	33	PASS
Band41	20MHz	16QAM	40640	1RB#0	21.73	21.23	33	PASS
Band41	20MHz	16QAM	40640	1RB#49	22.47	21.97	33	PASS
Band41	20MHz	16QAM	40640	1RB#99	22.01	21.51	33	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.96	20.46	33	PASS
Band41	20MHz	16QAM	40640	50RB#0	21.07	20.57	33	PASS
Band41	20MHz	16QAM	40640	50RB#50	21.00	20.50	33	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.92	20.42	33	PASS
Band41	20MHz	16QAM	41140	1RB#0	22.34	21.84	33	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.29	21.79	33	PASS
Band41	20MHz	16QAM	41140	1RB#99	22.11	21.61	33	PASS
Band41	20MHz	16QAM	41140	50RB#25	21.40	20.90	33	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.14	20.64	33	PASS
Band41	20MHz	16QAM	41140	50RB#50	21.25	20.75	33	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.01	20.51	33	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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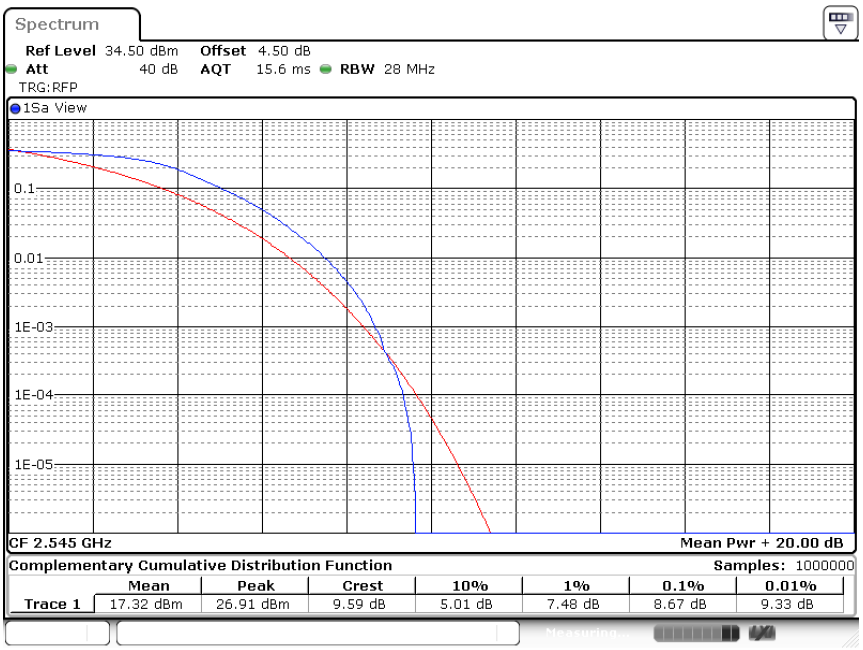
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	8.67	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	8.67	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	8.72	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	7.94	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	9.62	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	9.36	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	9.59	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	9.71	13	PASS

2.2. Test Plots

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



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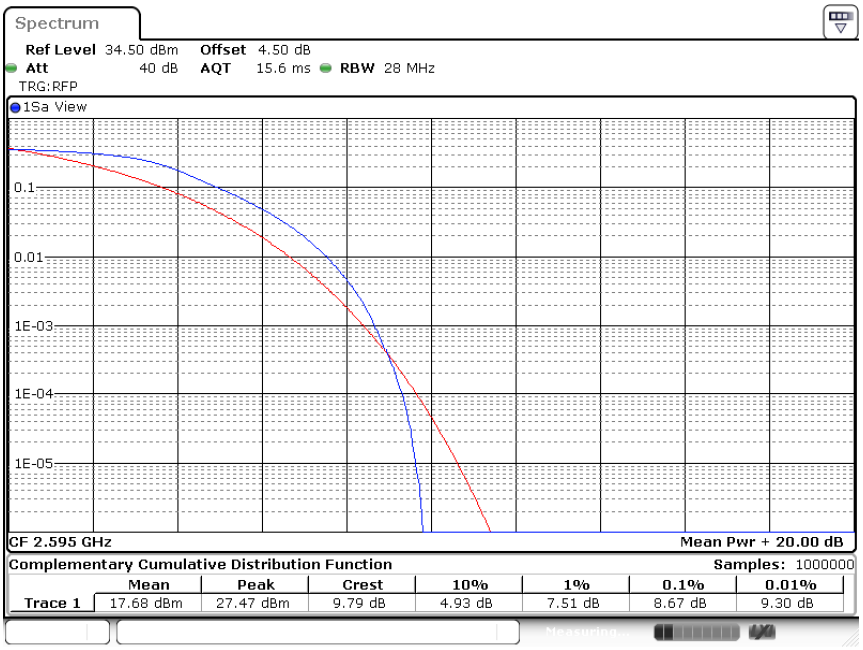
Band41-20MHz-QPSK-40640-100RB#0



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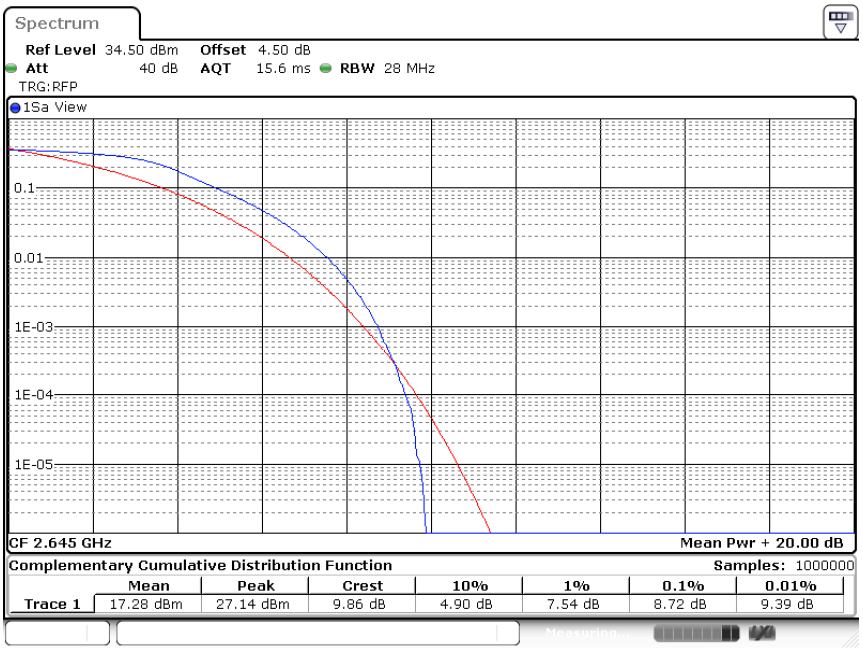
Band41-20MHz-QPSK-41140-100RB#0



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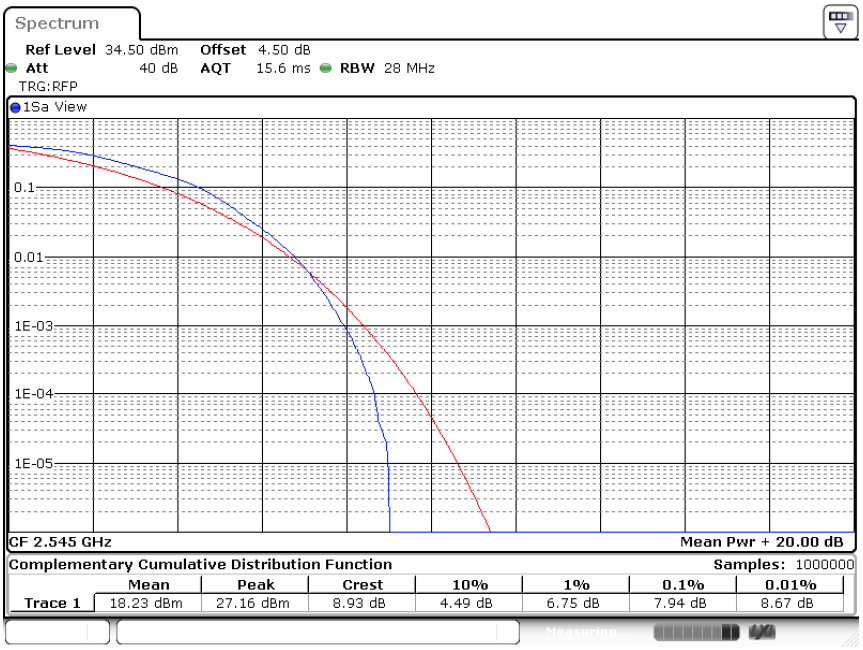
Band41-20MHz-64QAM-40140-100RB#0



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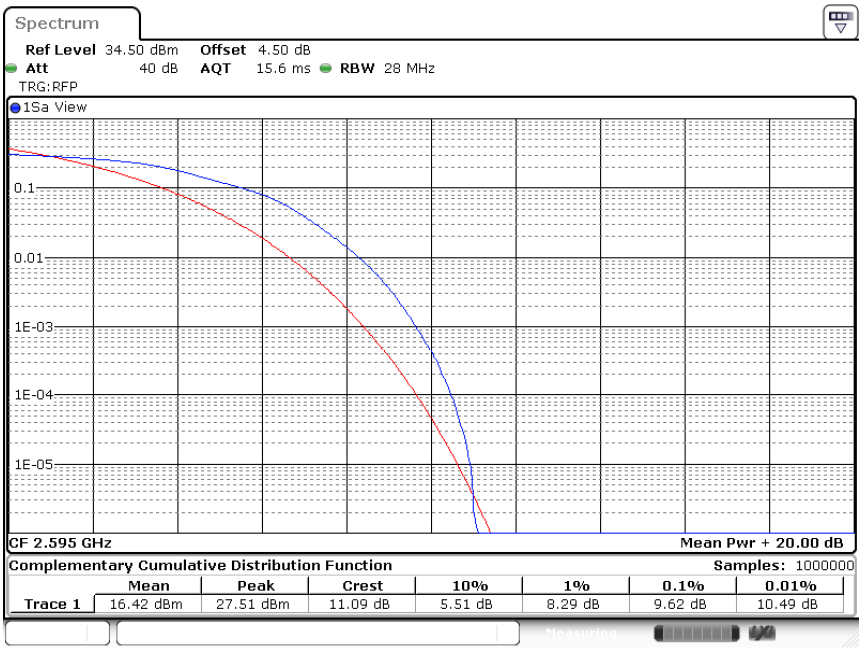
Band41-20MHz-64QAM-40640-100RB#0



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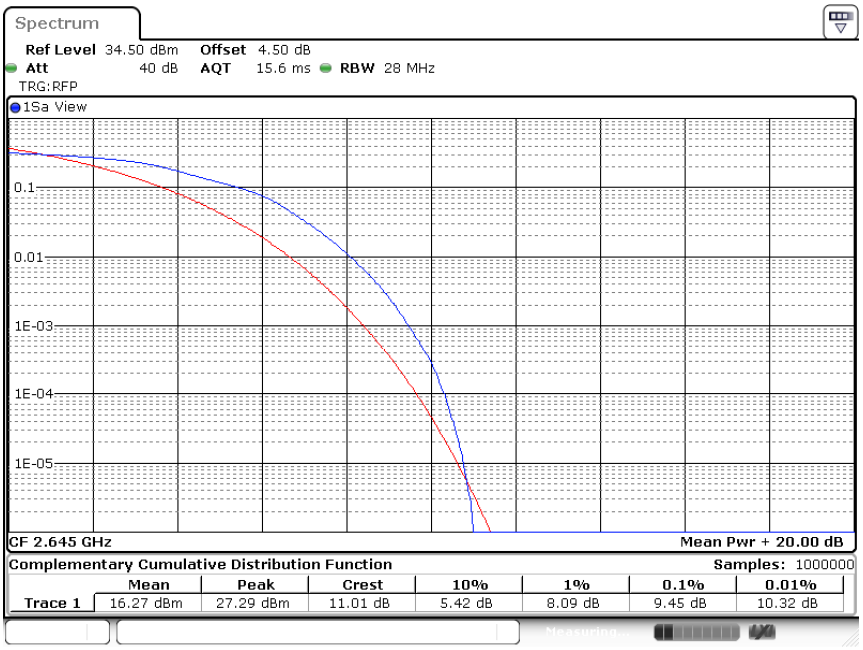

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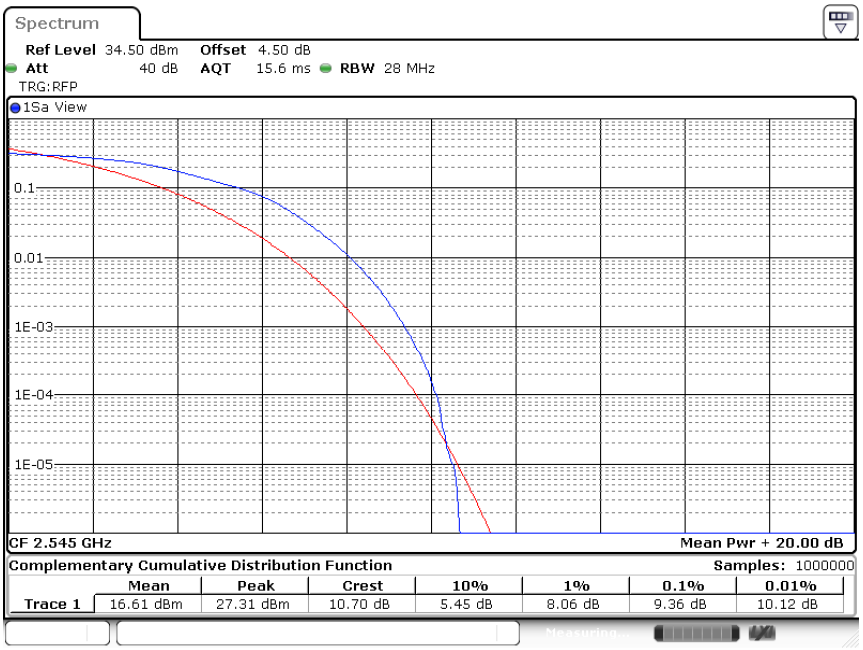
Band41-20MHz-16QAM-40140-100RB#0



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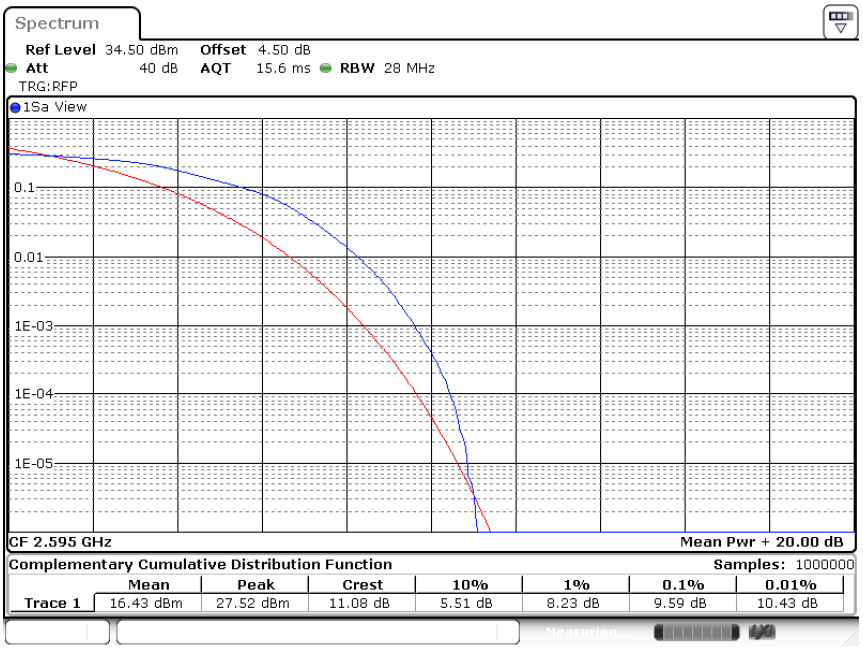
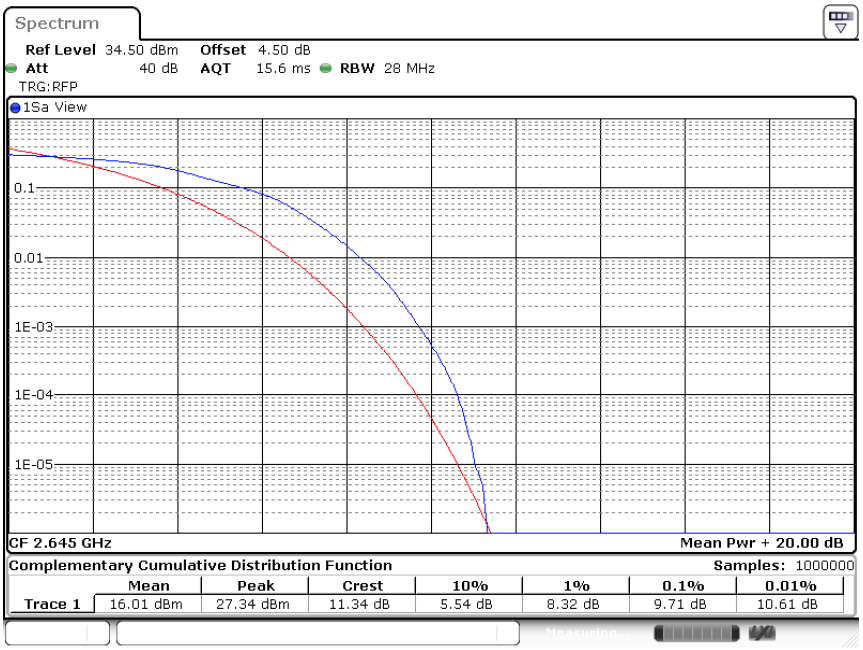
Band41-20MHz-16QAM-40640-100RB#0



Date: 4.SEP.2020 09:51:48

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



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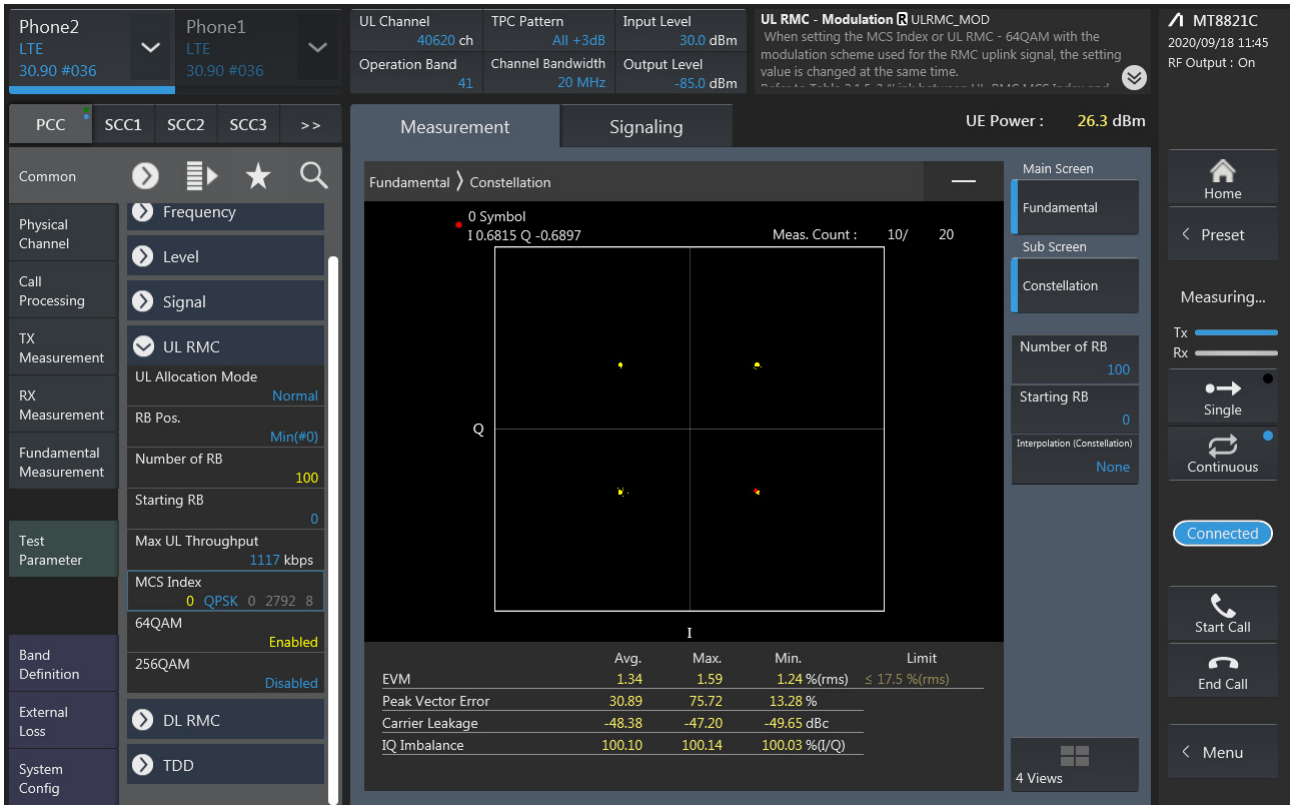
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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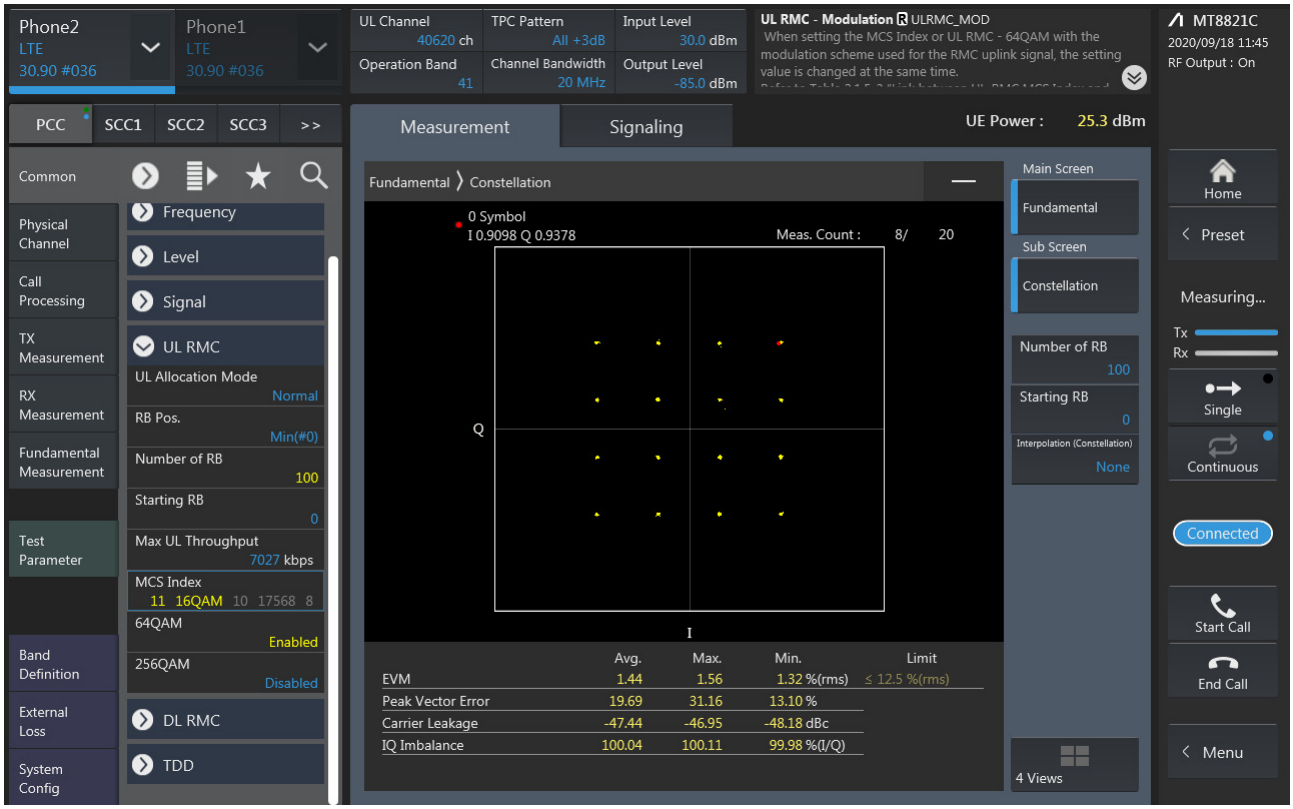
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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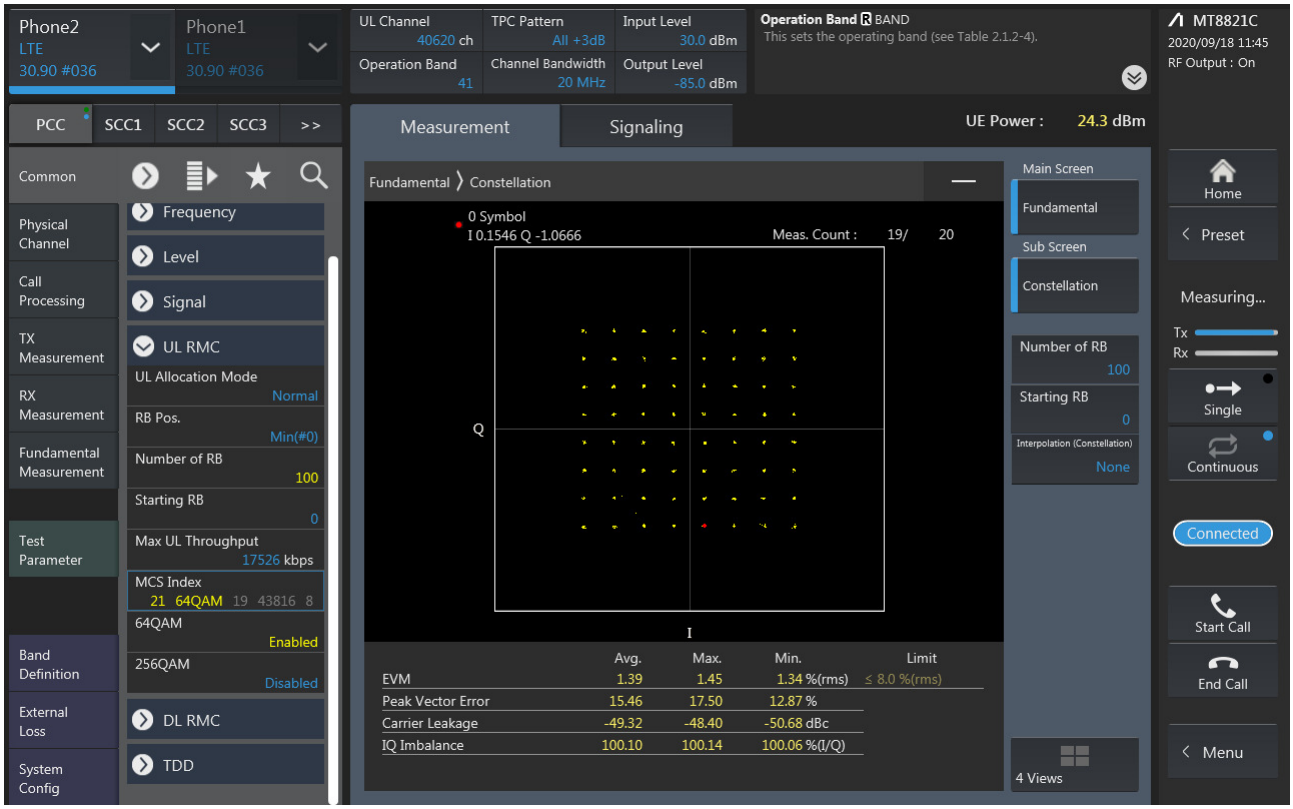
3.3. Test Mode = LTE /TM3 20MHz

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	4.970	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.476	4.970	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.950	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.466	4.900	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.466	4.910	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.466	4.900	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.486	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.496	4.960	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.911	9.840	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.911	9.800	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.911	9.840	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.911	9.740	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.911	9.660	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.487	16.140	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.487	16.290	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.516	16.650	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.457	14.790	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.457	14.910	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.457	14.910	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.457	15.120	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.457	15.150	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.457	15.270	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.902	19.680	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.902	19.560	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.942	19.680	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.862	19.680	PASS

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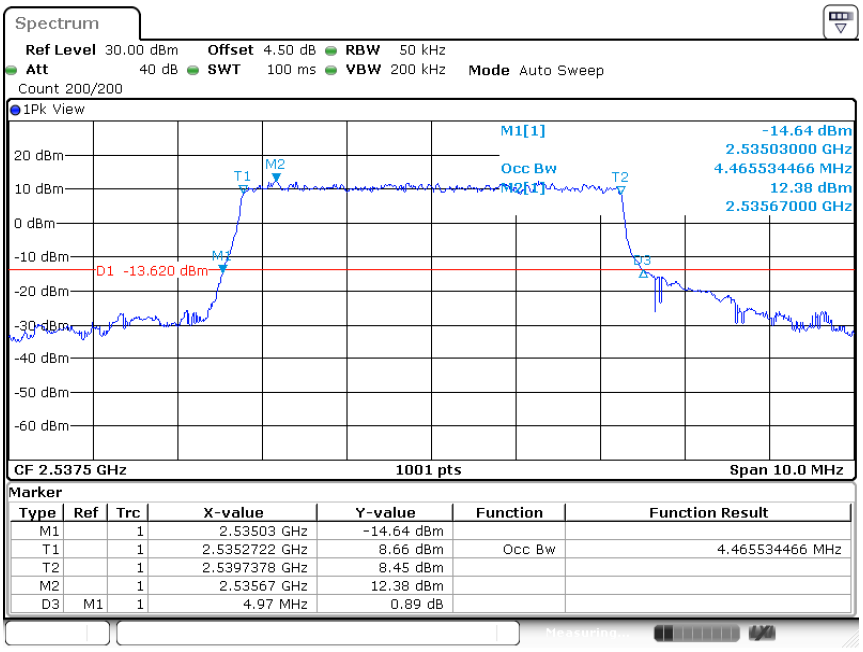
Band41	20MHz	64QAM	40640	100RB#0	17.902	19.800	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.902	19.720	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.902	19.840	PASS
Band41	20MHz	16QAM	40640	100RB#0	17.902	20.000	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.902	20.040	PASS

4.2. Test Plots

Band41-5MHz-QPSK-40065-25RB#0-4.466



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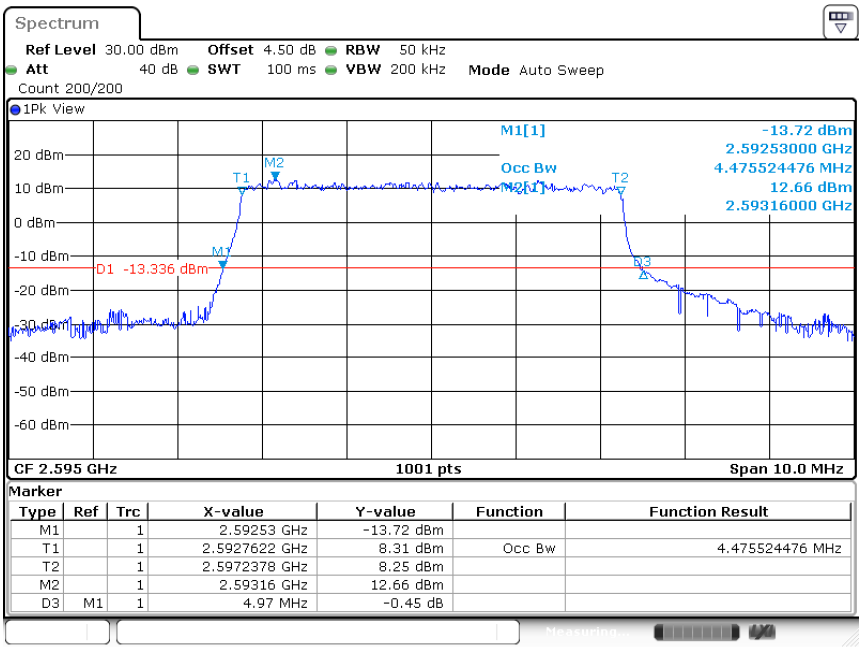
Band41-5MHz-QPSK-40640-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59253 GHz	-13.72 dBm		
T1		1	2.5927622 GHz	8.31 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5972378 GHz	8.25 dBm		
M2		1	2.59316 GHz	12.66 dBm		
D3	M1	1	4.97 MHz	-0.45 dB		

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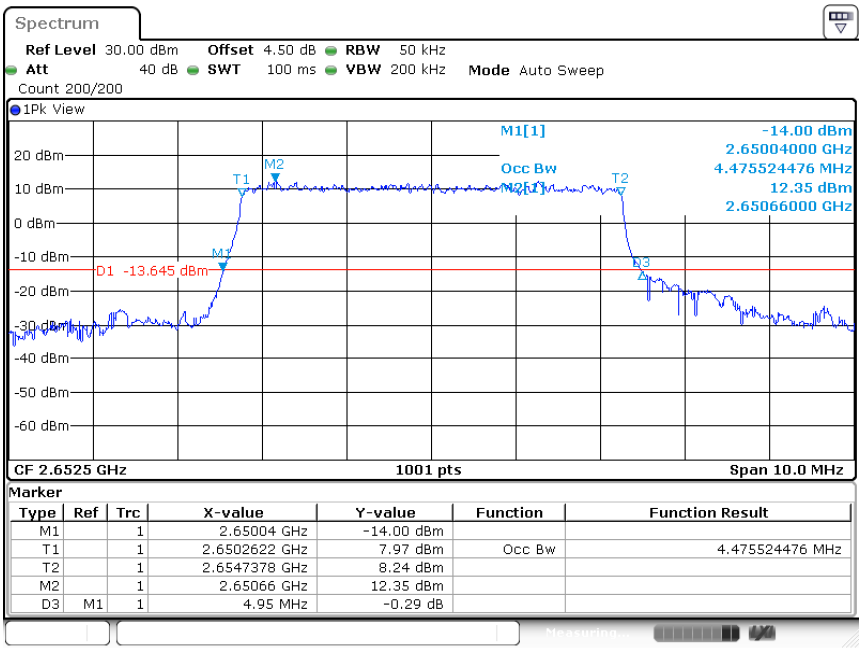
Band41-5MHz-QPSK-41215-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.65004 GHz	-14.00 dBm		
T1		1	2.6502622 GHz	7.97 dBm	Occ Bw	4.475524476 MHz
T2		1	2.6547378 GHz	8.24 dBm		
M2		1	2.65066 GHz	12.35 dBm		
D3	M1	1	4.95 MHz	-0.29 dB		

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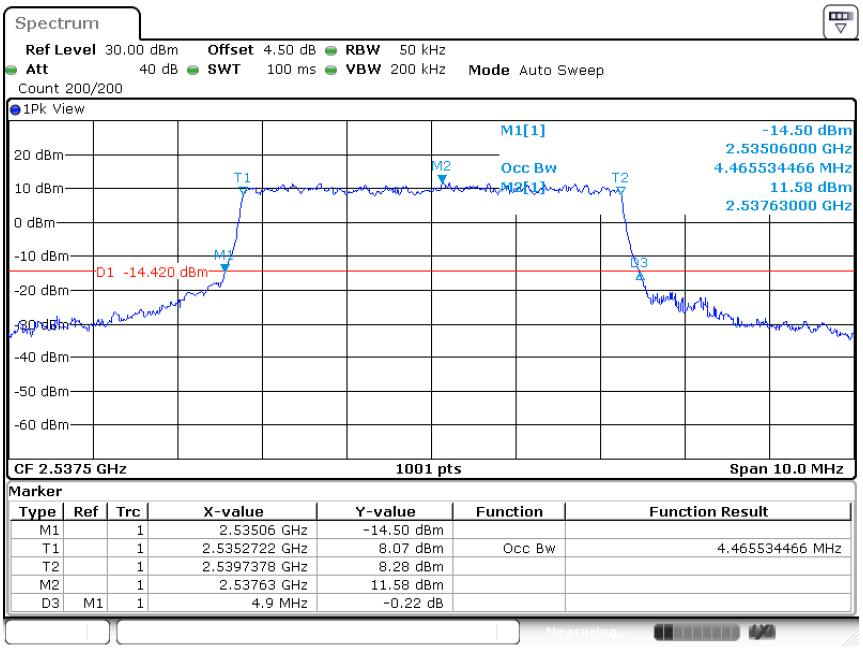
Band41-5MHz-64QAM-40065-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53506 GHz	-14.50 dBm		
T1		1	2.5352722 GHz	8.07 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5397378 GHz	8.28 dBm		
M2		1	2.53763 GHz	11.58 dBm		
D3	M1	1	4.9 MHz	-0.22 dB		

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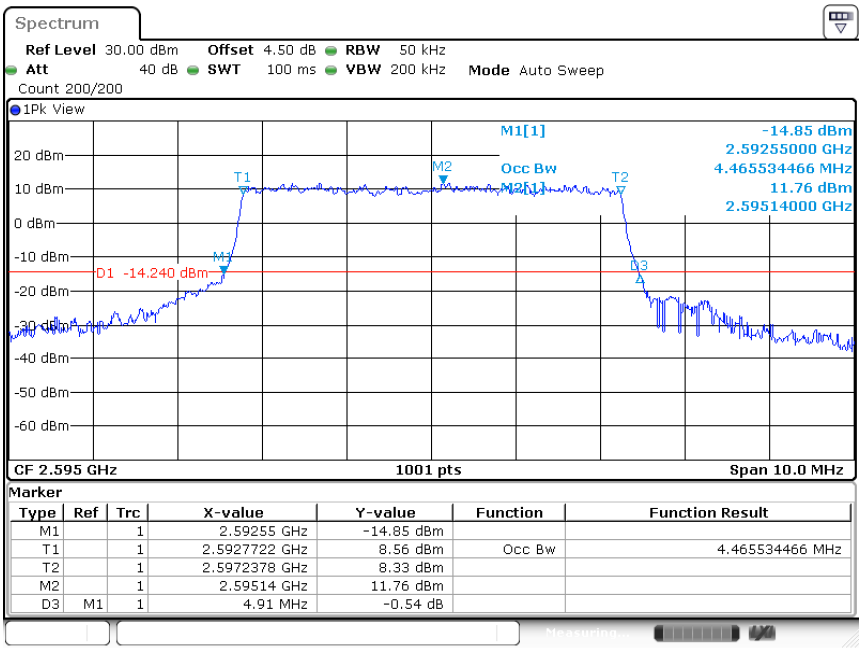
Band41-5MHz-64QAM-40640-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59255 GHz	-14.85 dBm		
T1		1	2.5927722 GHz	8.56 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5972378 GHz	8.33 dBm		
M2		1	2.59514 GHz	11.76 dBm		
D3	M1	1	4.91 MHz	-0.54 dB		

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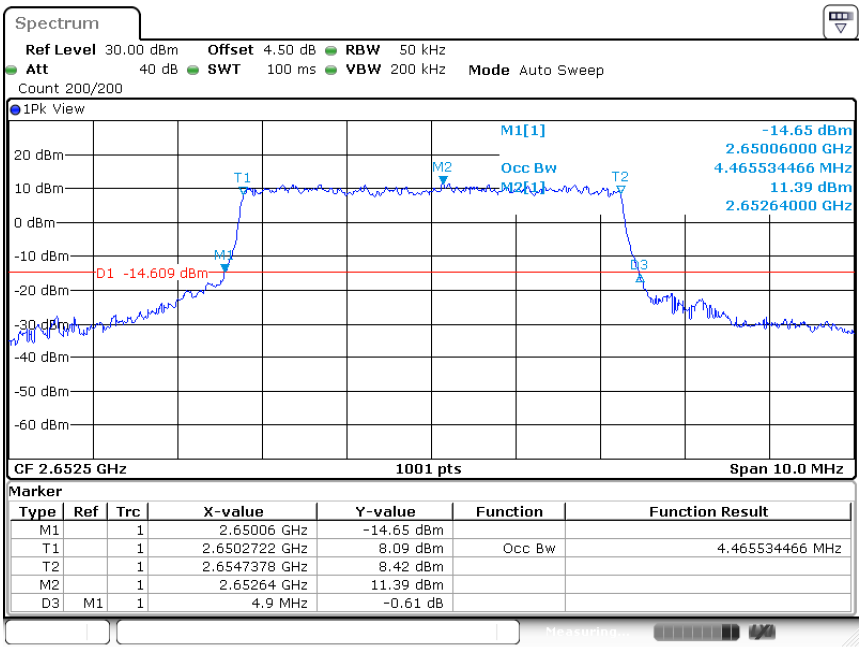

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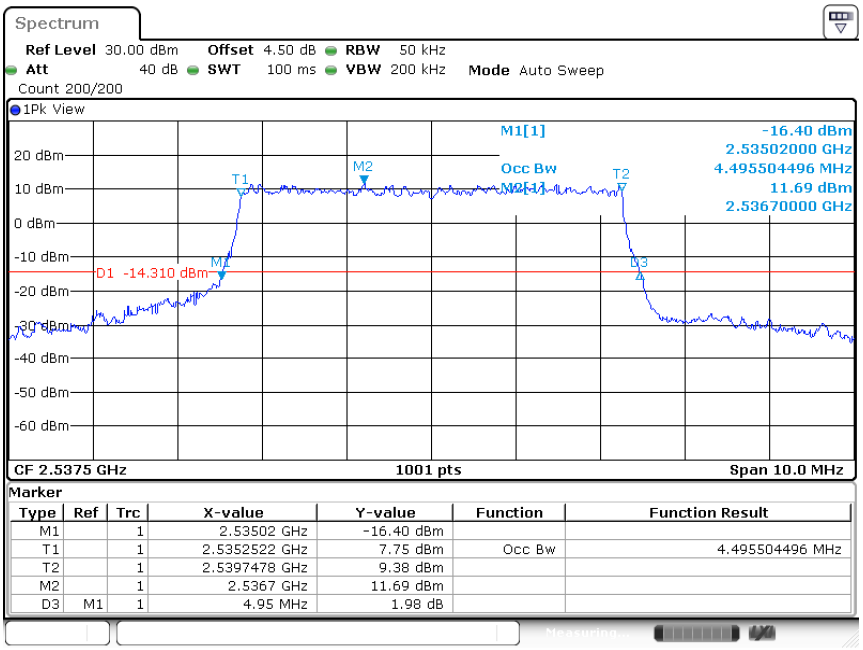
Band41-5MHz-16QAM-40065-25RB#0-4.496



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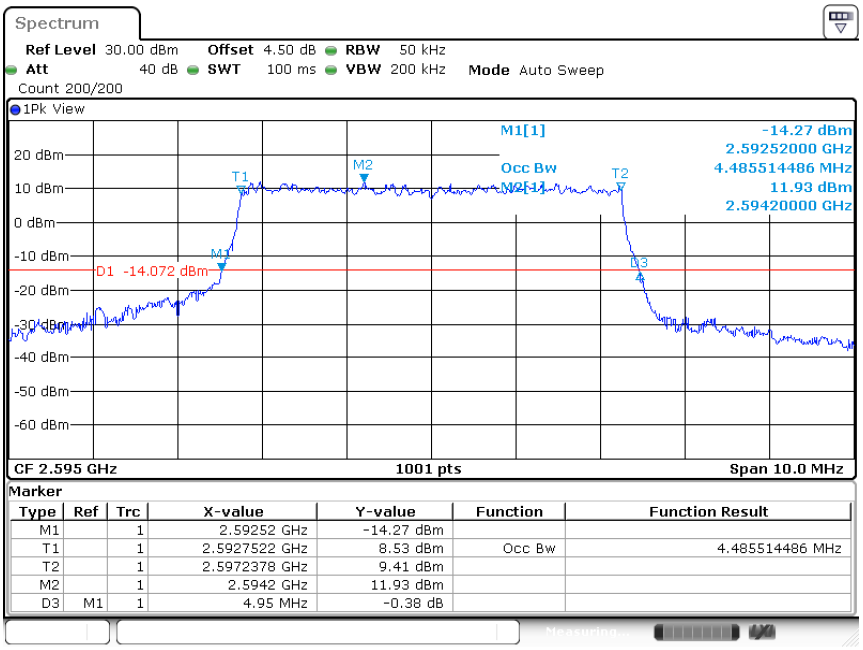
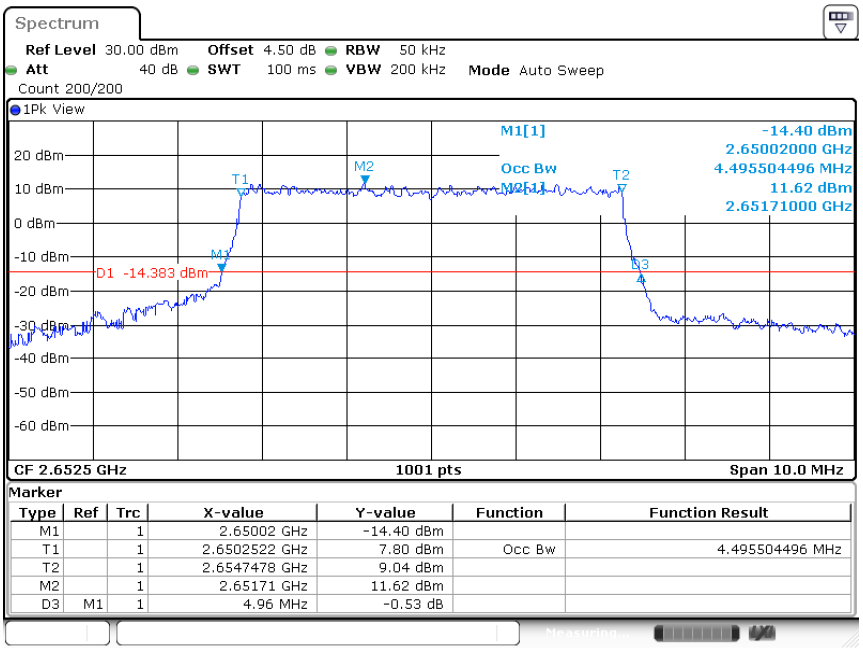


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59252 GHz	-14.27 dBm		
T1		1	2.5927522 GHz	8.53 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5972378 GHz	9.41 dBm		
M2		1	2.5942 GHz	11.93 dBm		
D3	M1	1	4.95 MHz	-0.38 dB		

Date: 4.SEP.2020 09:23:01

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.65002 GHz	-14.40 dBm		
T1		1	2.6502522 GHz	7.80 dBm	Occ Bw	4.495504496 MHz
T2		1	2.6547478 GHz	9.04 dBm		
M2		1	2.65171 GHz	11.62 dBm		
D3	M1	1	4.96 MHz	-0.53 dB		

Date: 4.SEP.2020 09:24:06

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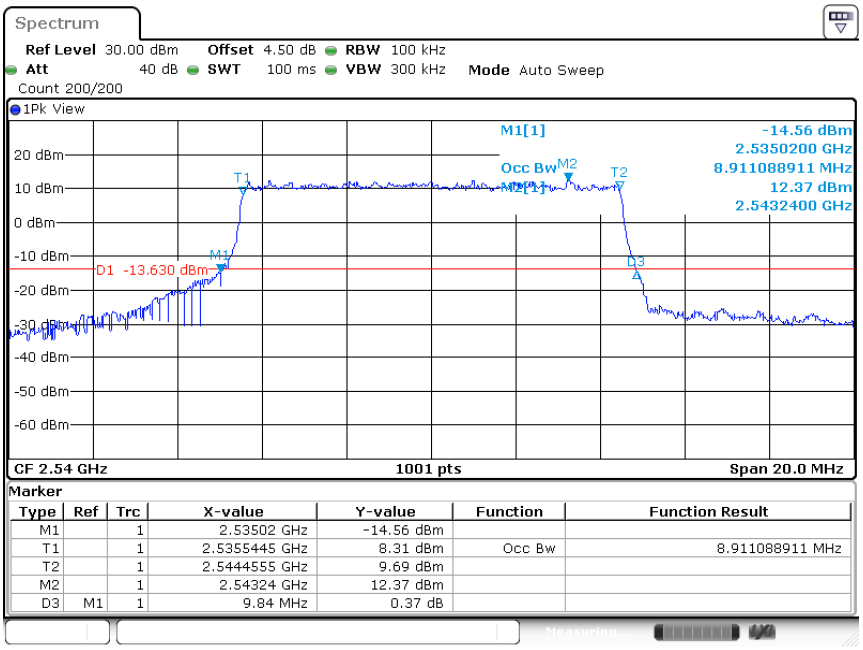
Band41-10MHz-QPSK-40090-50RB#0-8.911

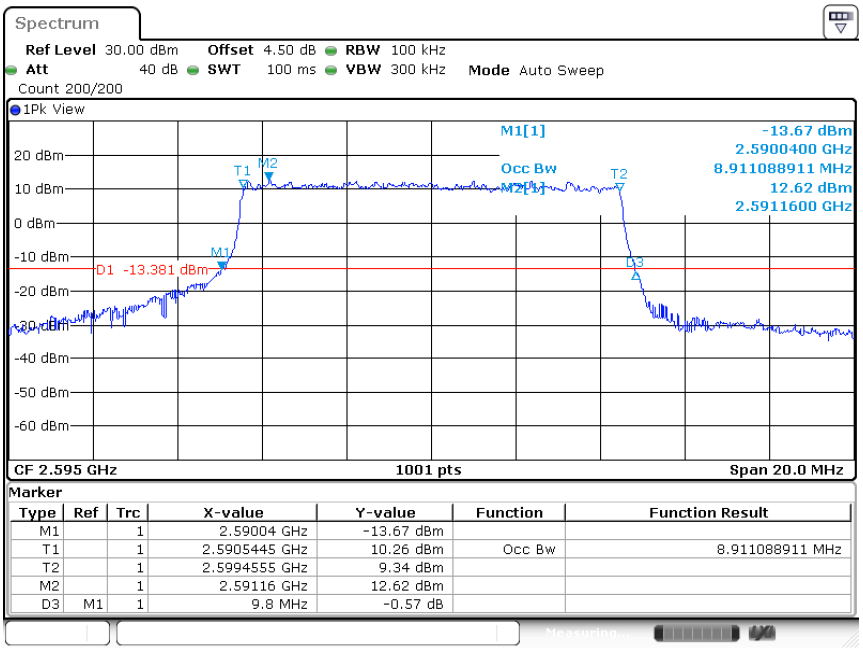


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53502 GHz	-14.56 dBm		
T1		1	2.5355445 GHz	8.31 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5444555 GHz	9.69 dBm		
M2		1	2.54324 GHz	12.37 dBm		
D3	M1	1	9.84 MHz	0.37 dB		

Date: 4.SEP.2020 09:24:43

Band41-10MHz-QPSK-40640-50RB#0-8.911



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59004 GHz	-13.67 dBm		
T1		1	2.5905445 GHz	10.26 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5994555 GHz	9.34 dBm		
M2		1	2.59116 GHz	12.62 dBm		
D3	M1	1	9.8 MHz	-0.57 dB		

Date: 4.SEP.2020 09:25:49

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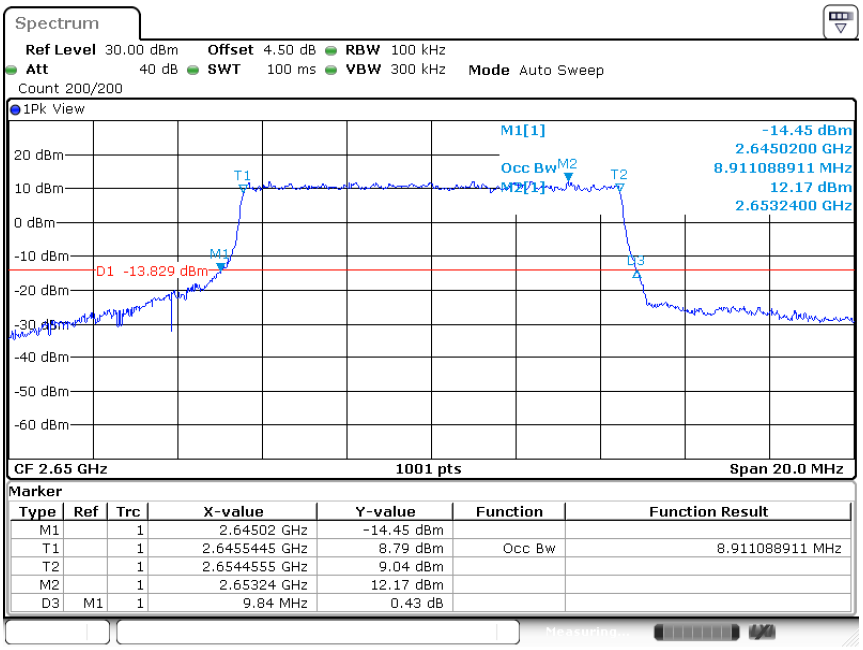

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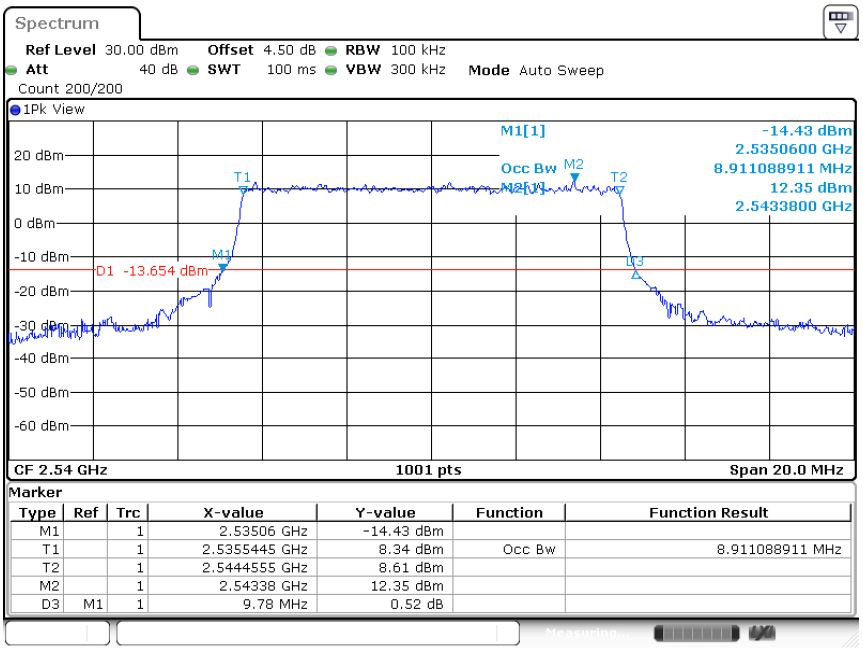
Band41-10MHz-64QAM-40090-50RB#0-8.911



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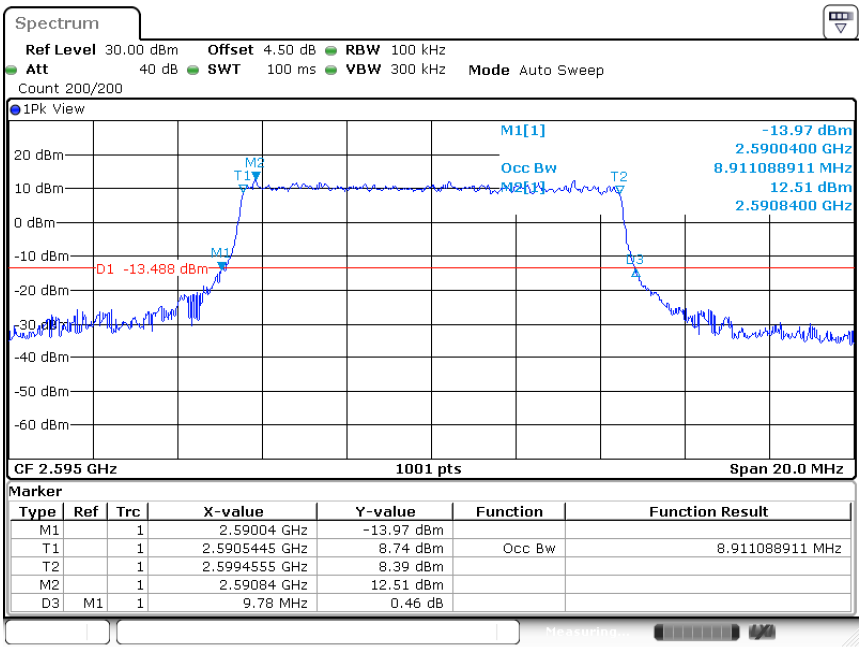
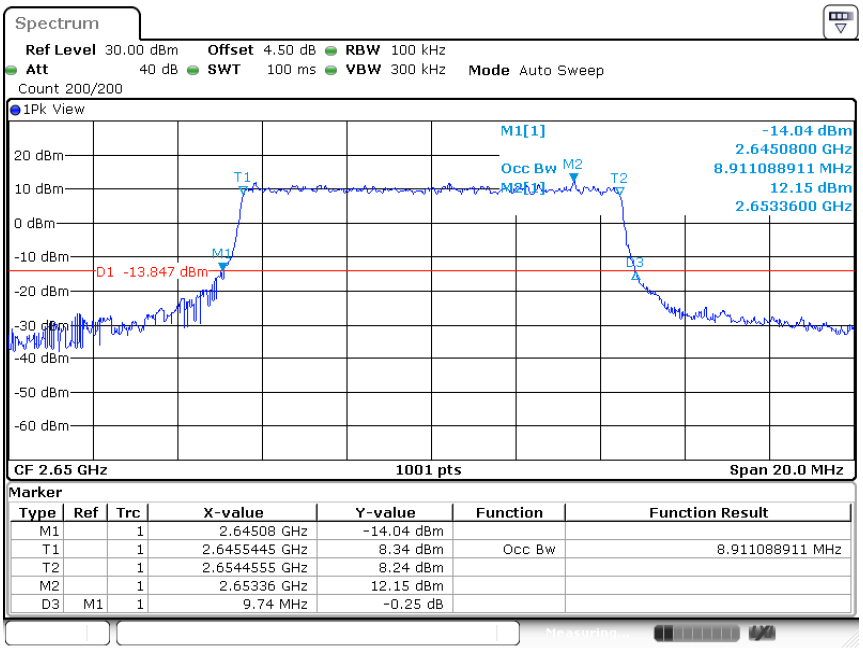
Band41-10MHz-64QAM-40640-50RB#0-8.911



Date: 4.SEP.2020 10:11:24

Band41-10MHz-64QAM-41190-50RB#0-8.911



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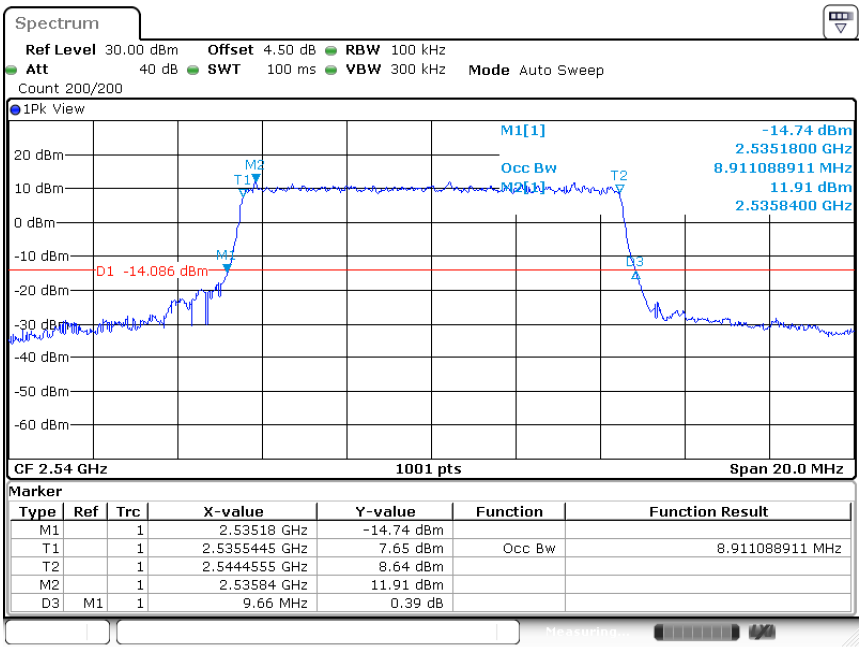
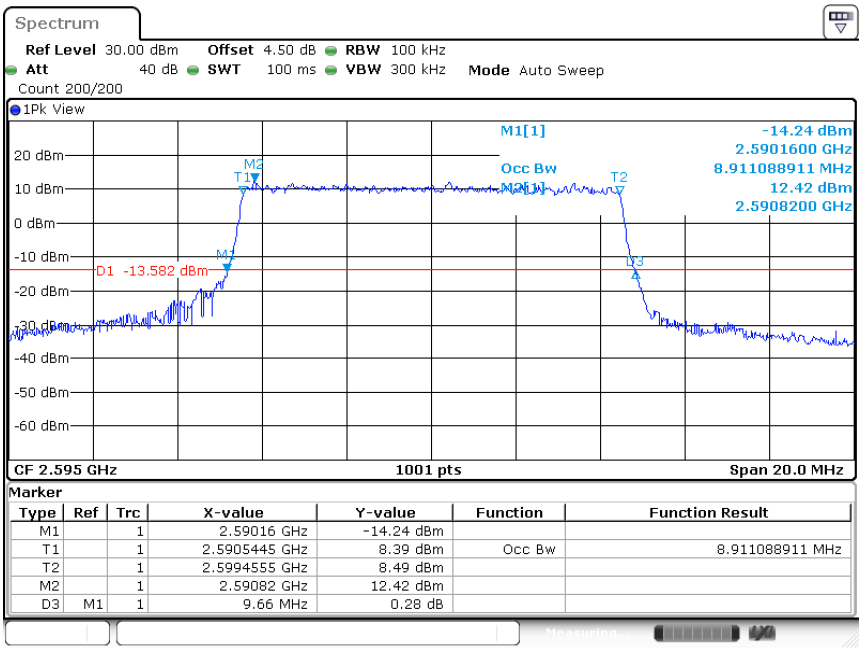


Date: 4.SEP.2020 09:25:16

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



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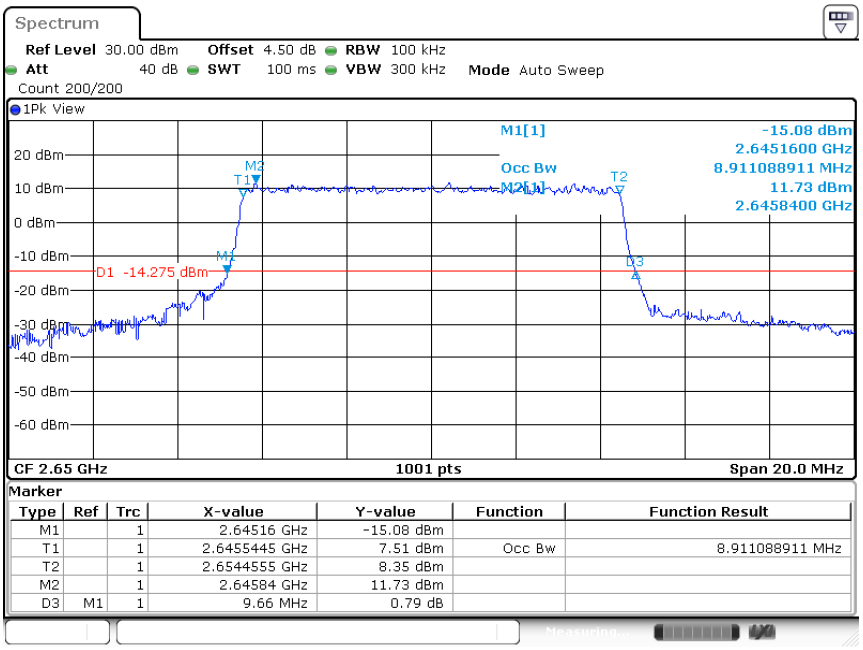
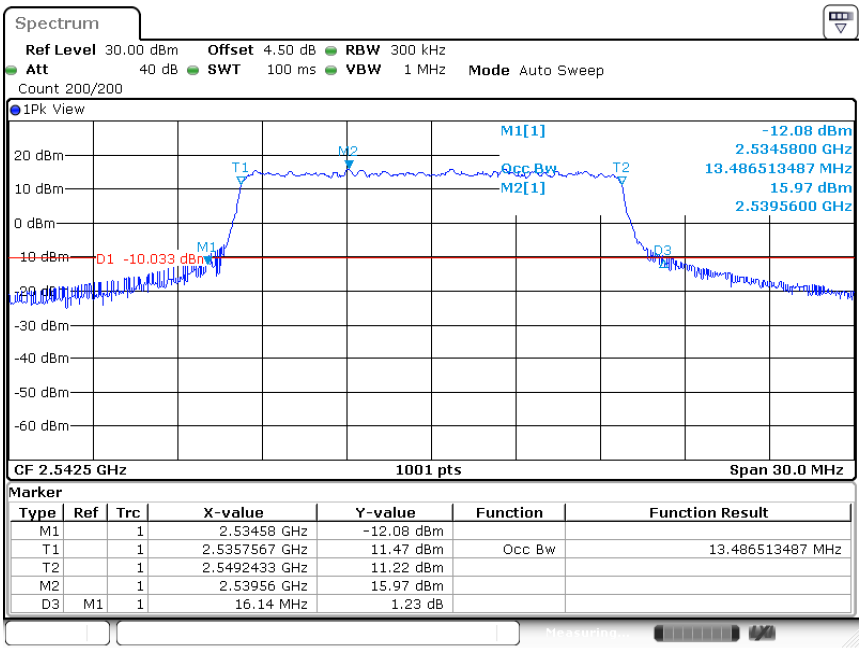


Date: 4.SEP.2020 09:27:27

Band41-15MHz-QPSK-40115-75RB#0-13.487



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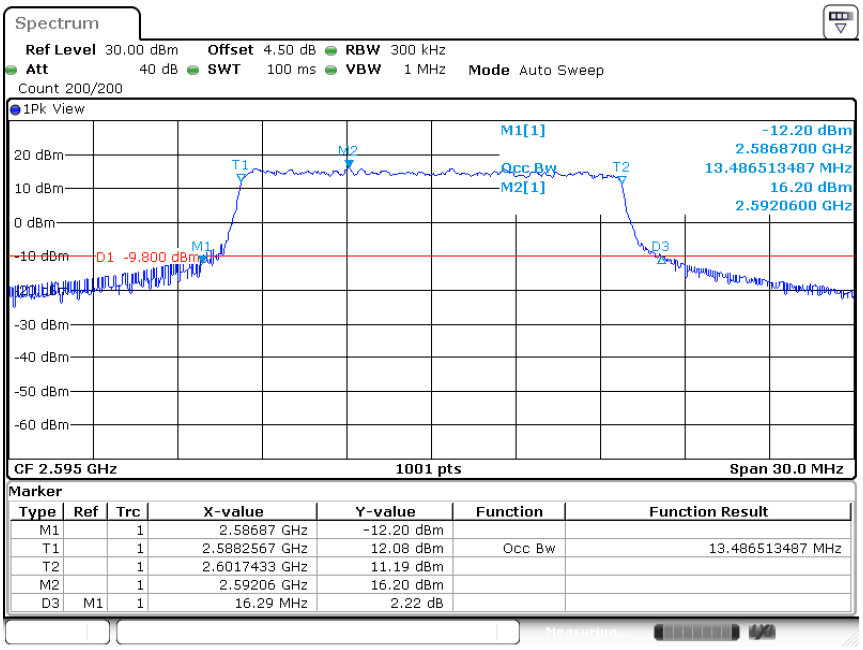

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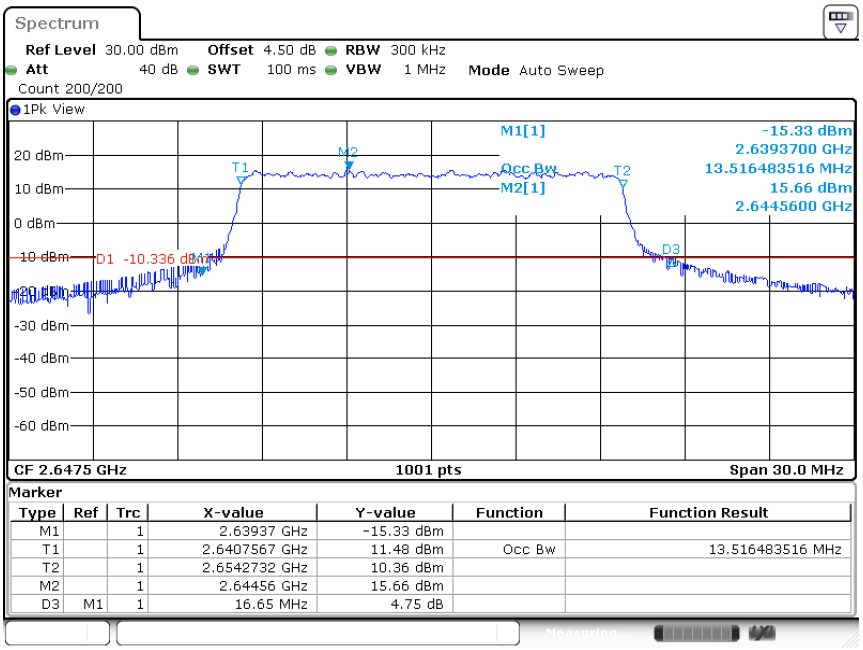
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58687 GHz	-12.20 dBm		
T1		1	2.5882567 GHz	12.08 dBm	Occ Bw	13.486513487 MHz
T2		1	2.6017433 GHz	11.19 dBm		
M2		1	2.59206 GHz	16.20 dBm		
D3	M1	1	16.29 MHz	2.22 dB		

Date: 4.SEP.2020 09:29:09

Band41-15MHz-QPSK-41165-75RB#0-13.516



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63937 GHz	-15.33 dBm		
T1		1	2.6407567 GHz	11.48 dBm	Occ Bw	13.516483516 MHz
T2		1	2.6542732 GHz	10.36 dBm		
M2		1	2.64456 GHz	15.66 dBm		
D3	M1	1	16.65 MHz	4.75 dB		

Date: 4.SEP.2020 09:30:15

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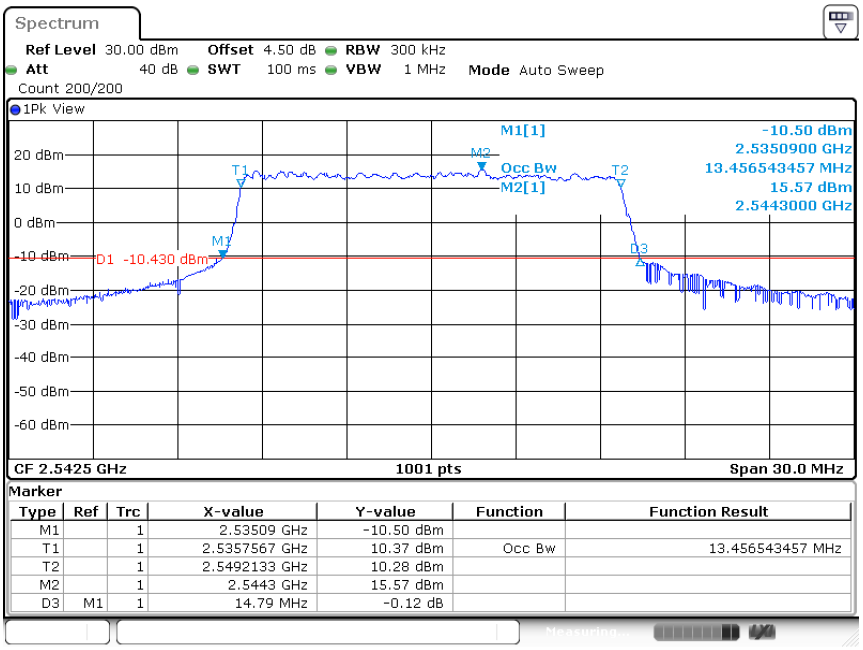

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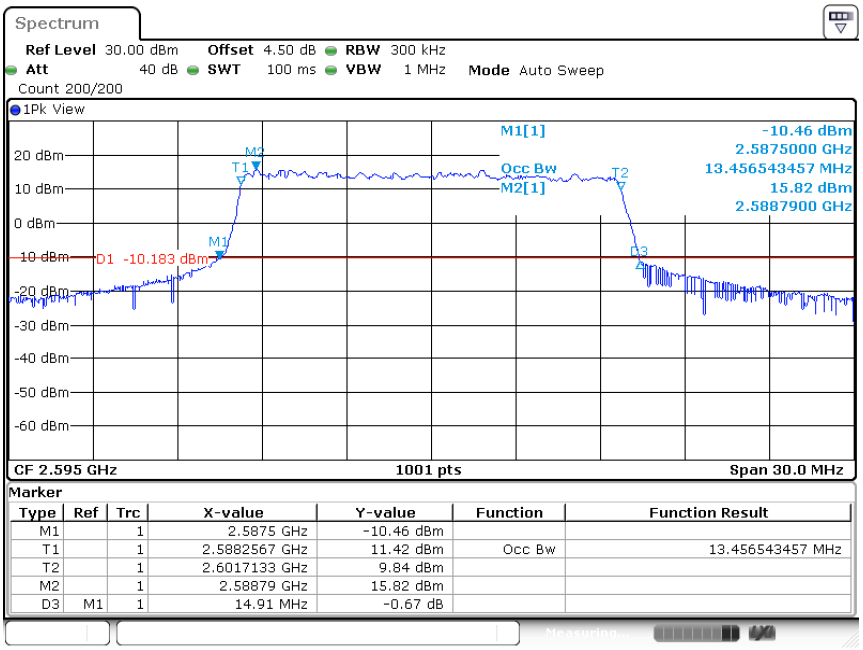

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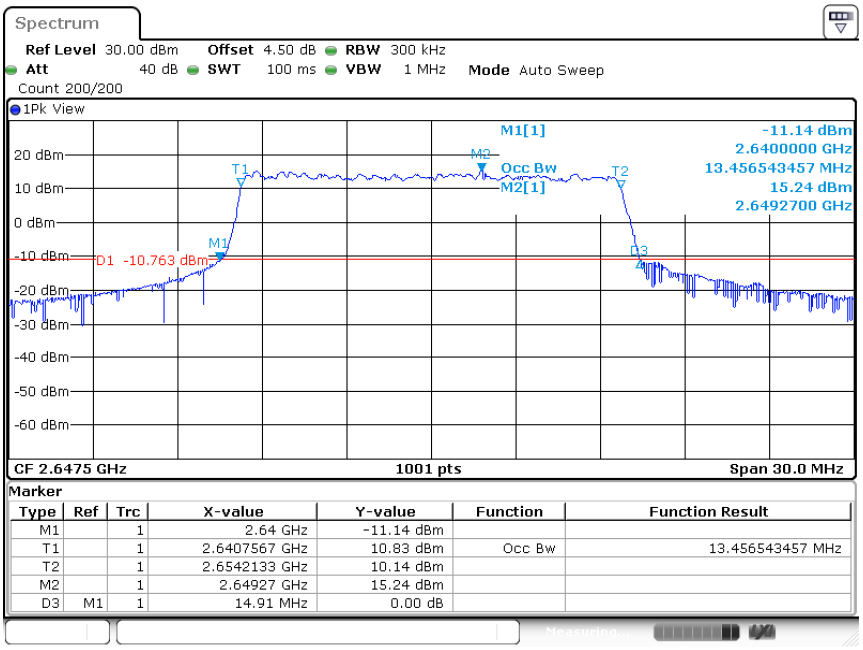

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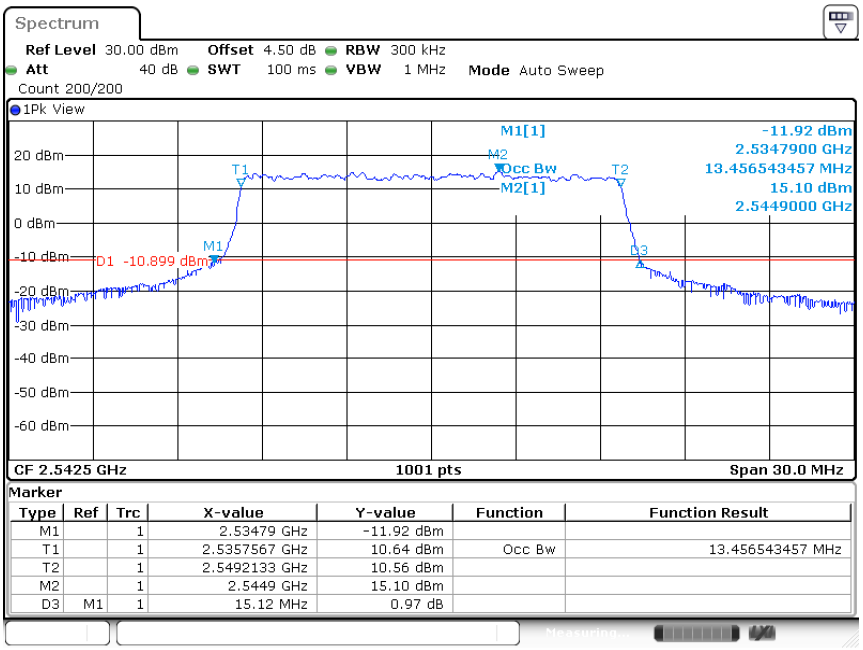
Band41-15MHz-16QAM-40115-75RB#0-13.457



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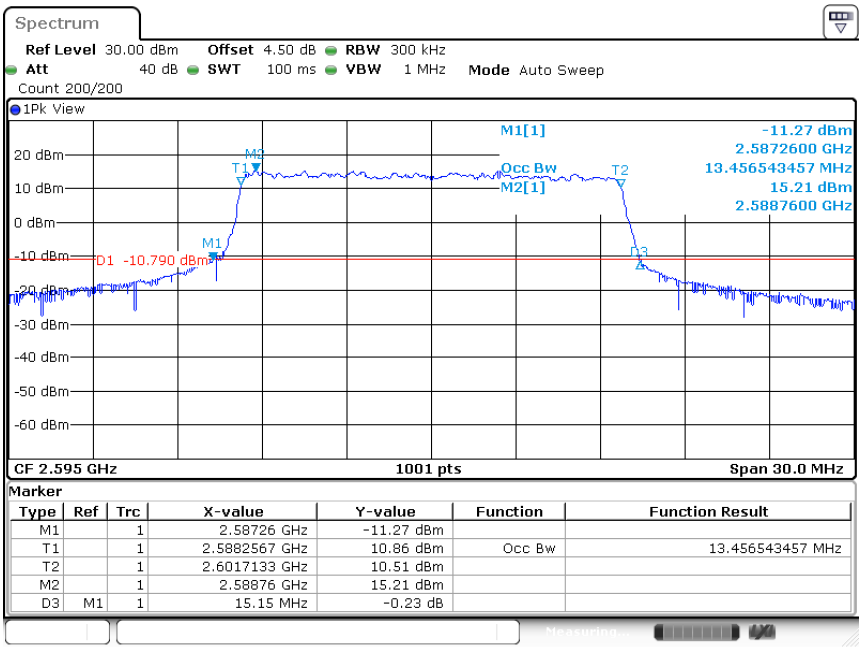
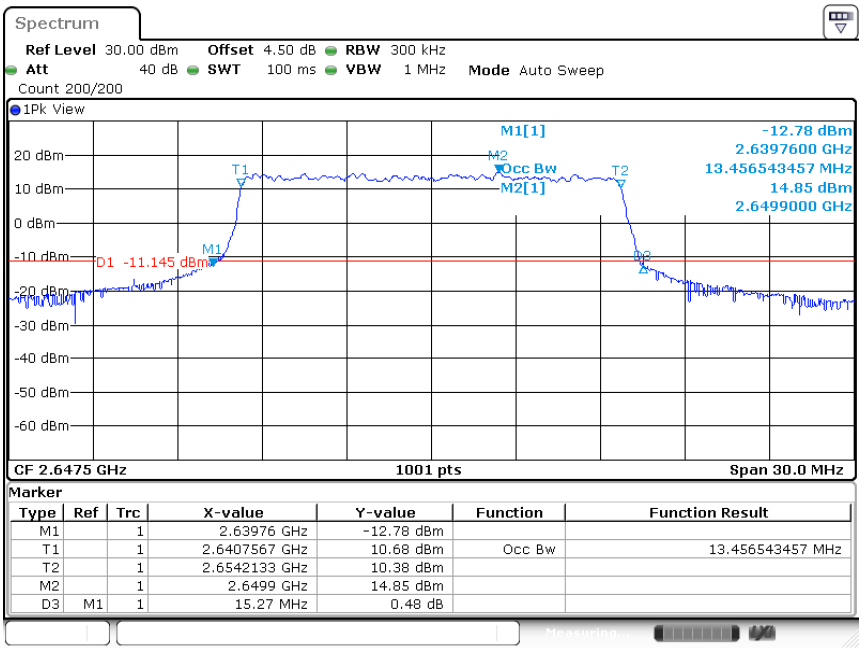


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58726 GHz	-11.27 dBm		
T1		1	2.5882567 GHz	10.86 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6017133 GHz	10.51 dBm		
M2		1	2.58876 GHz	15.21 dBm		
D3	M1	1	15.15 MHz	-0.23 dB		

Date: 4.SEP.2020 09:29:42

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63976 GHz	-12.78 dBm		
T1		1	2.6407567 GHz	10.68 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6542133 GHz	10.38 dBm		
M2		1	2.6499 GHz	14.85 dBm		
D3	M1	1	15.27 MHz	0.48 dB		

Date: 4.SEP.2020 09:30:47

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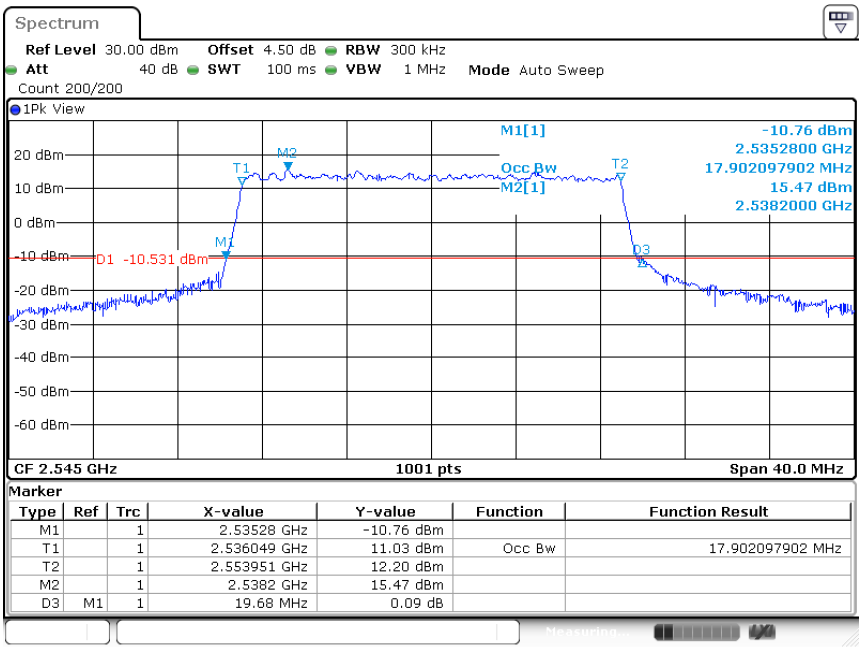
Band41-20MHz-QPSK-40140-100RB#0-17.902

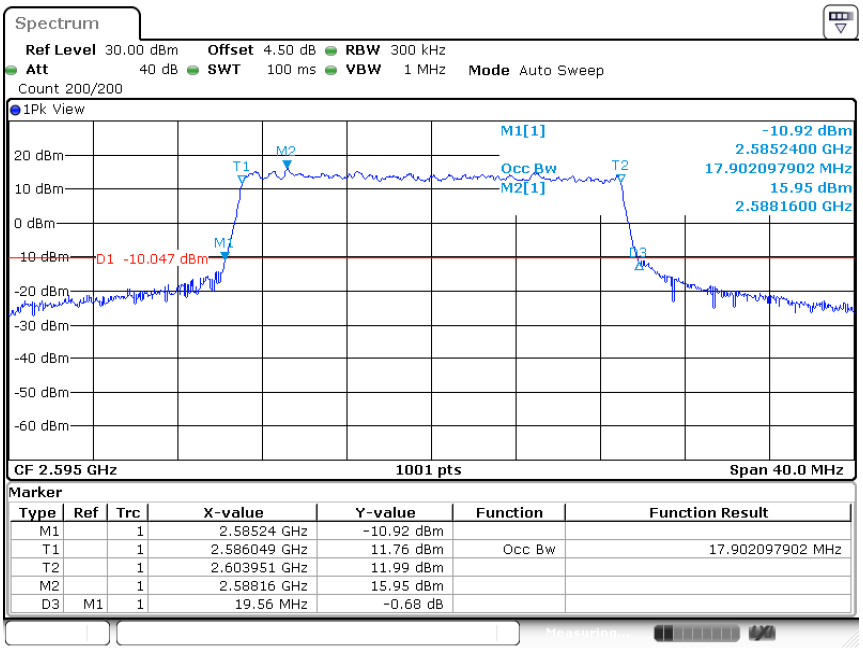


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53528 GHz	-10.76 dBm		
T1		1	2.536049 GHz	11.03 dBm	Occ Bw	17.902097902 MHz
T2		1	2.553951 GHz	12.20 dBm		
M2		1	2.5382 GHz	15.47 dBm		
D3	M1	1	19.68 MHz	0.09 dB		

Date: 4.SEP.2020 09:31:25

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58524 GHz	-10.92 dBm		
T1		1	2.586049 GHz	11.76 dBm	Occ Bw	17.902097902 MHz
T2		1	2.603951 GHz	11.99 dBm		
M2		1	2.58816 GHz	15.95 dBm		
D3	M1	1	19.56 MHz	-0.68 dB		

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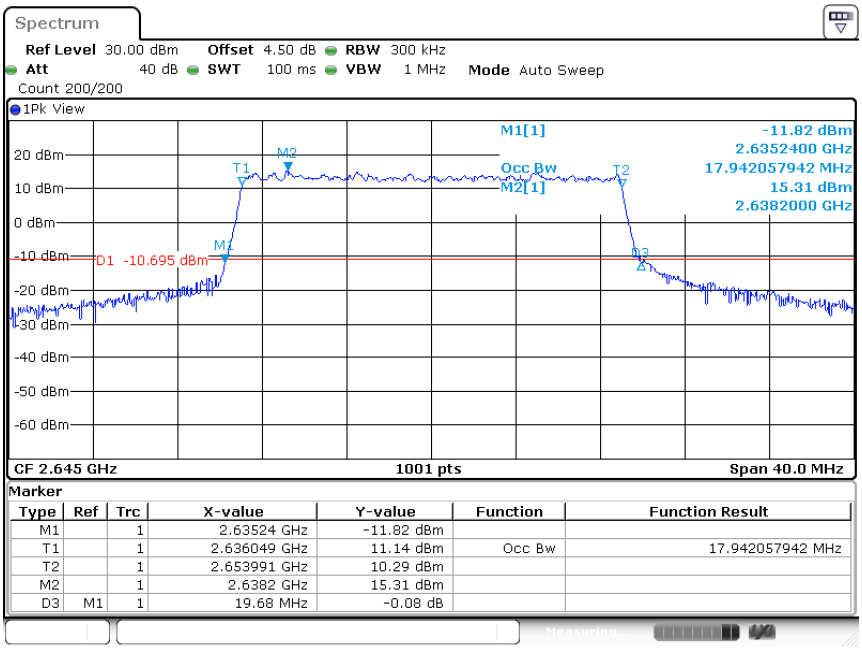
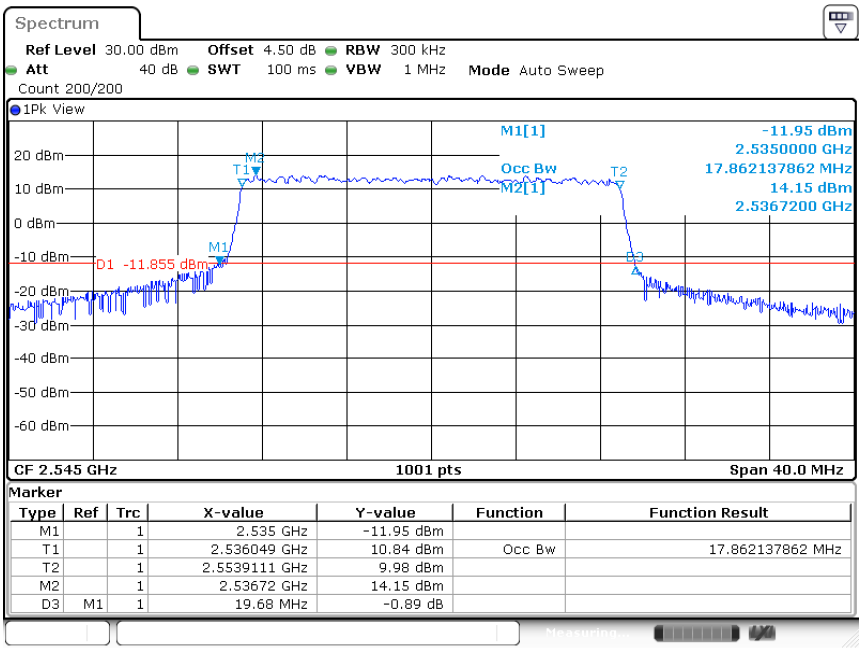
Band41-20MHz-QPSK-41140-100RB#0-17.942



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63524 GHz	-11.82 dBm		
T1		1	2.636049 GHz	11.14 dBm	Occ Bw	17.942057942 MHz
T2		1	2.653991 GHz	10.29 dBm		
M2		1	2.6382 GHz	15.31 dBm		
D3	M1	1	19.68 MHz	-0.08 dB		

Date: 4.SEP.2020 09:33:40

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



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.535 GHz	-11.95 dBm		
T1		1	2.536049 GHz	10.84 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5539111 GHz	9.98 dBm		
M2		1	2.53672 GHz	14.15 dBm		
D3	M1	1	19.68 MHz	-0.89 dB		

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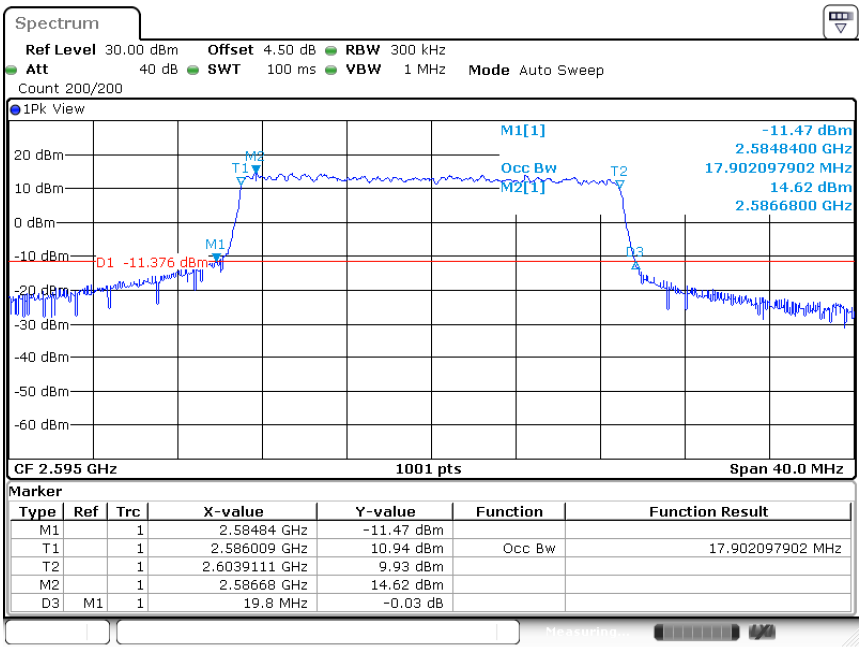
Band41-20MHz-64QAM-40640-100RB#0-17.902



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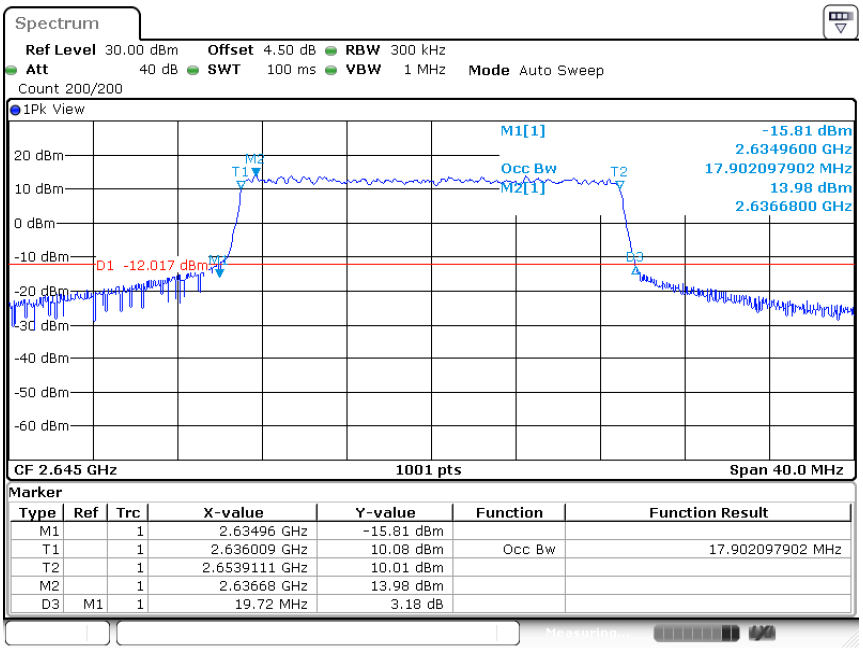
Band41-20MHz-64QAM-41140-100RB#0-17.902



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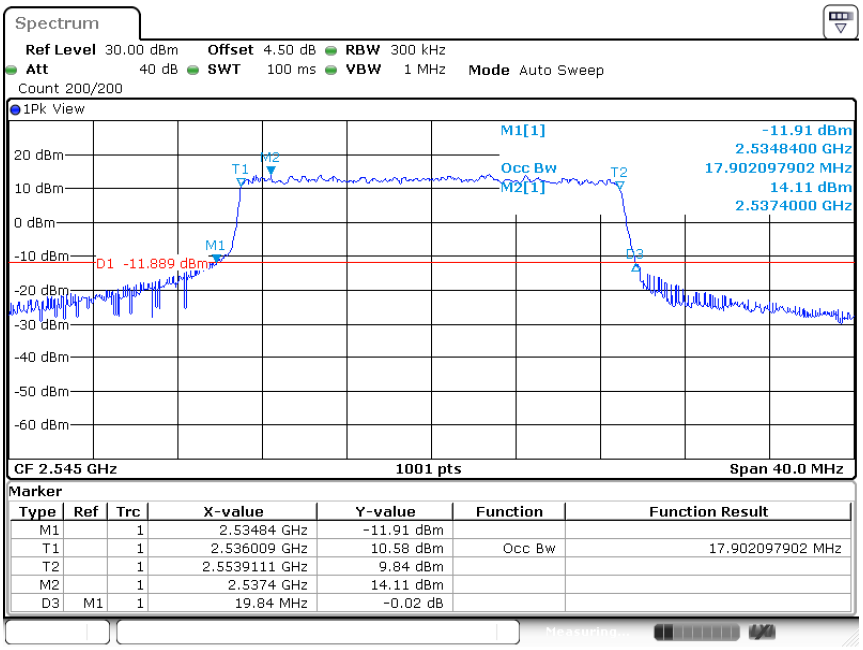
Band41-20MHz-16QAM-40140-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53484 GHz	-11.91 dBm		
T1		1	2.536009 GHz	10.58 dBm	Occ Bw	17.902097902 MHz
T2		1	2.5539111 GHz	9.84 dBm		
M2		1	2.5374 GHz	14.11 dBm		
D3	M1	1	19.84 MHz	-0.02 dB		

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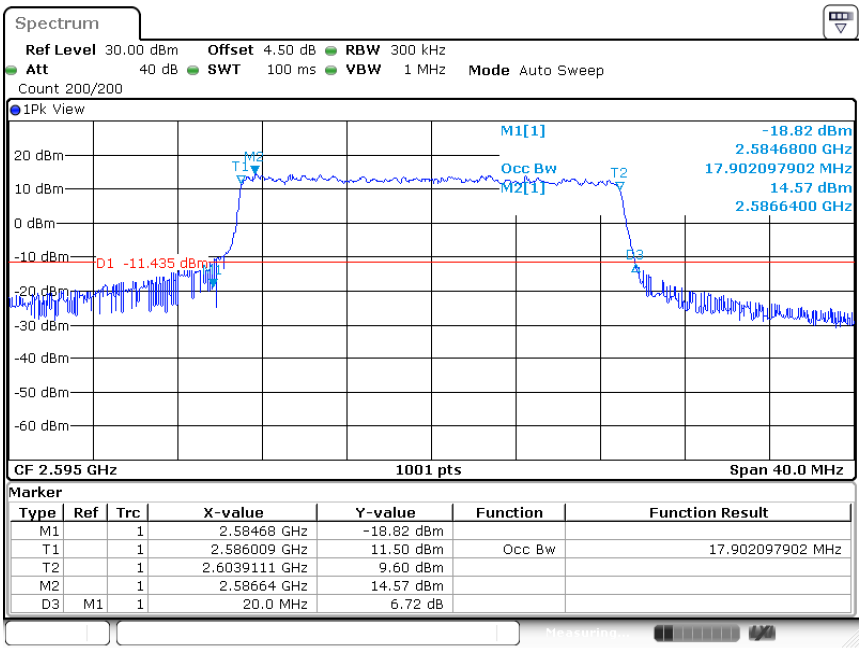
Band41-20MHz-16QAM-40640-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58468 GHz	-18.82 dBm		
T1		1	2.586009 GHz	11.50 dBm	Occ Bw	17.902097902 MHz
T2		1	2.6039111 GHz	9.60 dBm		
M2		1	2.58664 GHz	14.57 dBm		
D3	M1	1	20.0 MHz	6.72 dB		

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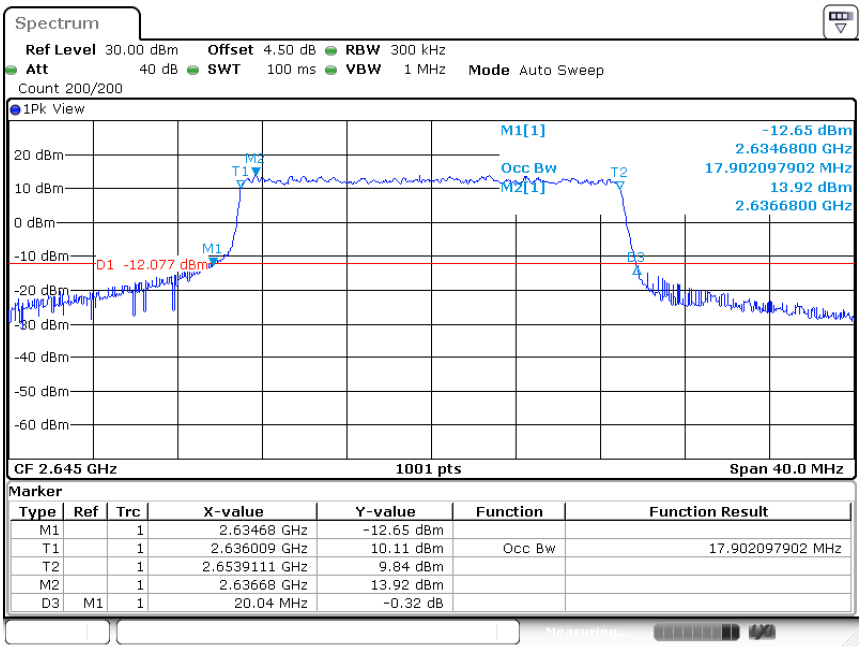

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63468 GHz	-12.65 dBm		
T1		1	2.636009 GHz	10.11 dBm	Occ Bw	17.902097902 MHz
T2		1	2.6539111 GHz	9.84 dBm		
M2		1	2.63668 GHz	13.92 dBm		
D3	M1	1	20.04 MHz	-0.32 dB		

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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	-50.61,-49.51,-16.72	PASS
Band41	5MHz	QPSK	40065	25RB#0	-49.22,-47.39,-26.97	PASS
Band41	5MHz	QPSK	41215	1RB#24	-49.46,-49.97,-18.01	PASS
Band41	5MHz	QPSK	41215	25RB#0	-48.20,-47.35,-27.03	PASS
Band41	5MHz	64QAM	40065	1RB#0	-51.19,-51.58,-17.53	PASS
Band41	5MHz	64QAM	40065	25RB#0	-50.66,-48.35,-27.73	PASS
Band41	5MHz	64QAM	41215	1RB#24	-50.15,-51.25,-19.43	PASS
Band41	5MHz	64QAM	41215	25RB#0	-49.98,-49.09,-27.43	PASS
Band41	5MHz	16QAM	40065	1RB#0	-51.08,-50.23,-17.39	PASS
Band41	5MHz	16QAM	40065	25RB#0	-50.39,-48.15,-26.17	PASS
Band41	5MHz	16QAM	41215	1RB#24	-49.63,-50.41,-18.41	PASS
Band41	5MHz	16QAM	41215	25RB#0	-50.35,-49.00,-27.98	PASS
Band41	10MHz	QPSK	40090	1RB#0	-50.33,-47.80,-22.45	PASS
Band41	10MHz	QPSK	40090	50RB#0	-46.25,-40.11,-30.82	PASS
Band41	10MHz	QPSK	41190	1RB#49	-50.38,-46.87,-23.77	PASS
Band41	10MHz	QPSK	41190	50RB#0	-46.73,-35.65,-29.18	PASS
Band41	10MHz	64QAM	40090	1RB#0	-50.74,-48.97,-23.98	PASS
Band41	10MHz	64QAM	40090	50RB#0	-47.99,-41.47,-30.65	PASS
Band41	10MHz	64QAM	41190	1RB#49	-50.64,-48.35,-23.30	PASS
Band41	10MHz	64QAM	41190	50RB#0	-47.64,-38.98,-30.60	PASS
Band41	10MHz	16QAM	40090	1RB#0	-50.69,-47.33,-23.06	PASS
Band41	10MHz	16QAM	40090	50RB#0	-47.65,-41.41,-31.16	PASS
Band41	10MHz	16QAM	41190	1RB#49	-50.49,-47.28,-22.83	PASS
Band41	10MHz	16QAM	41190	50RB#0	-47.25,-38.87,-31.05	PASS
Band41	15MHz	QPSK	40115	1RB#0	-46.46,-39.57,-23.55	PASS
Band41	15MHz	QPSK	40115	75RB#0	-47.61,-38.67,-33.24	PASS
Band41	15MHz	QPSK	41165	1RB#74	-47.54,-44.18,-22.83	PASS
Band41	15MHz	QPSK	41165	75RB#0	-46.69,-33.92,-29.68	PASS
Band41	15MHz	64QAM	40115	1RB#0	-46.76,-40.52,-23.57	PASS
Band41	15MHz	64QAM	40115	75RB#0	-47.47,-40.56,-33.79	PASS
Band41	15MHz	64QAM	41165	1RB#74	-47.58,-44.99,-25.54	PASS
Band41	15MHz	64QAM	41165	75RB#0	-46.67,-37.07,-32.62	PASS

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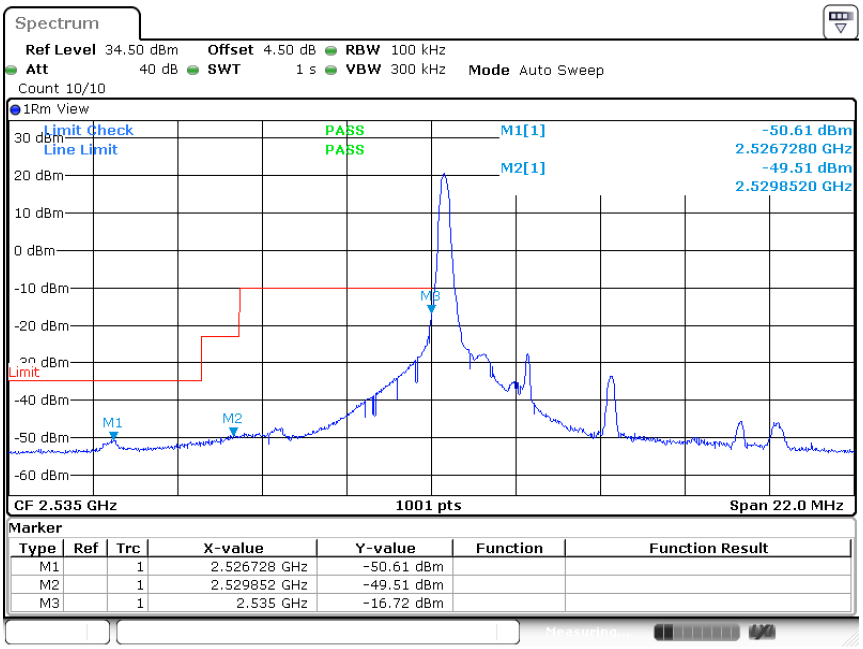
Band41	15MHz	16QAM	40115	1RB#0	-46.71,-40.69,-24.21	PASS
Band41	15MHz	16QAM	40115	75RB#0	-47.63,-40.16,-33.10	PASS
Band41	15MHz	16QAM	41165	1RB#74	-47.51,-43.47,-23.35	PASS
Band41	15MHz	16QAM	41165	75RB#0	-46.66,-37.14,-32.44	PASS
Band41	20MHz	QPSK	40140	1RB#0	-46.94,-40.81,-21.24	PASS
Band41	20MHz	QPSK	40140	100RB#0	-45.40,-34.70,-32.33	PASS
Band41	20MHz	QPSK	41140	1RB#99	-46.69,-41.43,-20.60	PASS
Band41	20MHz	QPSK	41140	100RB#0	-44.95,-31.85,-29.28	PASS
Band41	20MHz	64QAM	40140	1RB#0	-47.15,-41.40,-20.82	PASS
Band41	20MHz	64QAM	40140	100RB#0	-46.24,-38.05,-33.79	PASS
Band41	20MHz	64QAM	41140	1RB#99	-46.79,-42.12,-22.18	PASS
Band41	20MHz	64QAM	41140	100RB#0	-45.29,-35.39,-31.76	PASS
Band41	20MHz	16QAM	40140	1RB#0	-46.93,-41.09,-21.26	PASS
Band41	20MHz	16QAM	40140	100RB#0	-46.24,-37.83,-32.39	PASS
Band41	20MHz	16QAM	41140	1RB#99	-46.39,-40.81,-22.81	PASS
Band41	20MHz	16QAM	41140	100RB#0	-45.46,-34.93,-31.93	PASS

5.2. Test Plots

Band41-5MHz-QPSK-40065-1RB#0



Date: 4.SEP.2020 09:34:39

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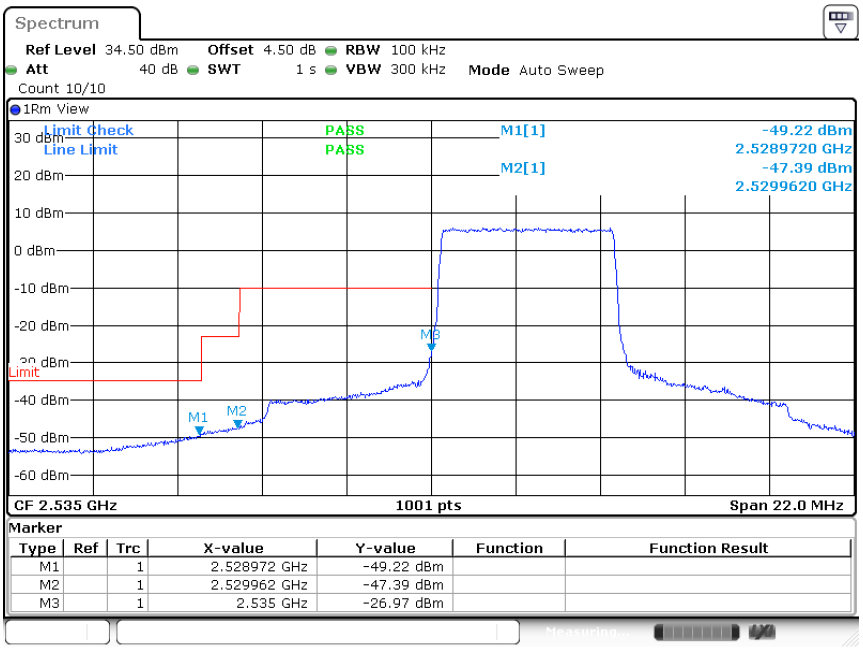

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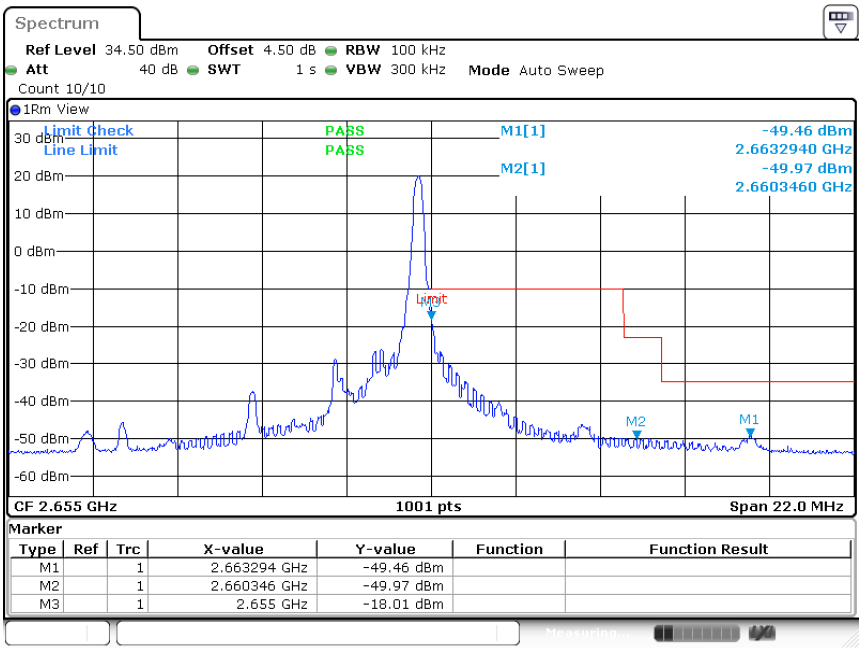
Band41-5MHz-QPSK-41215-1RB#24



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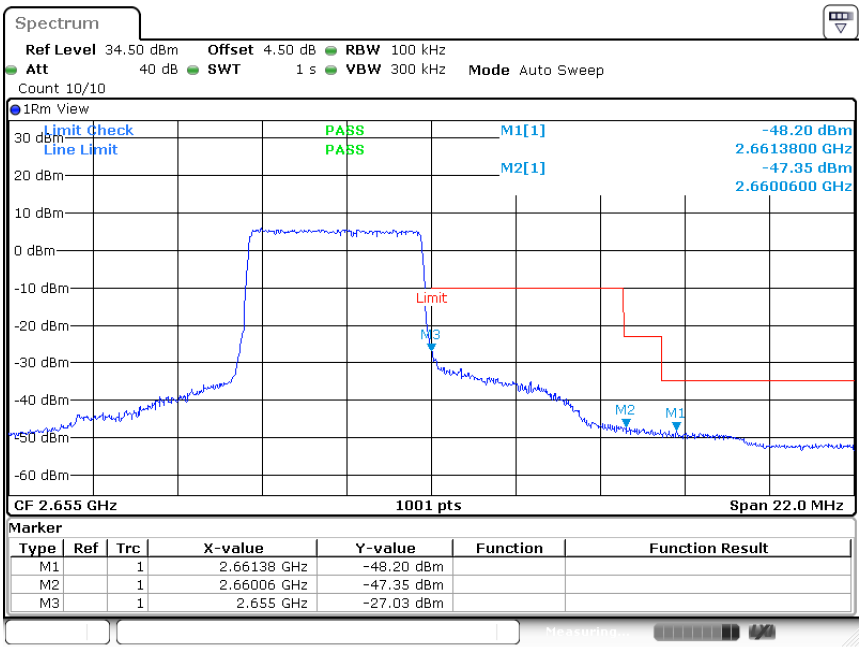

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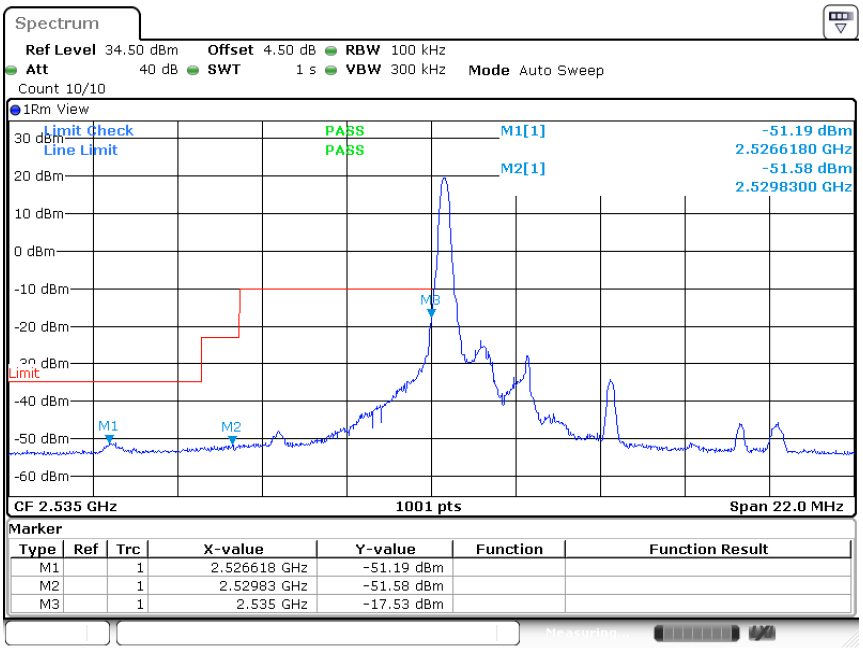
Band41-5MHz-64QAM-40065-1RB#0



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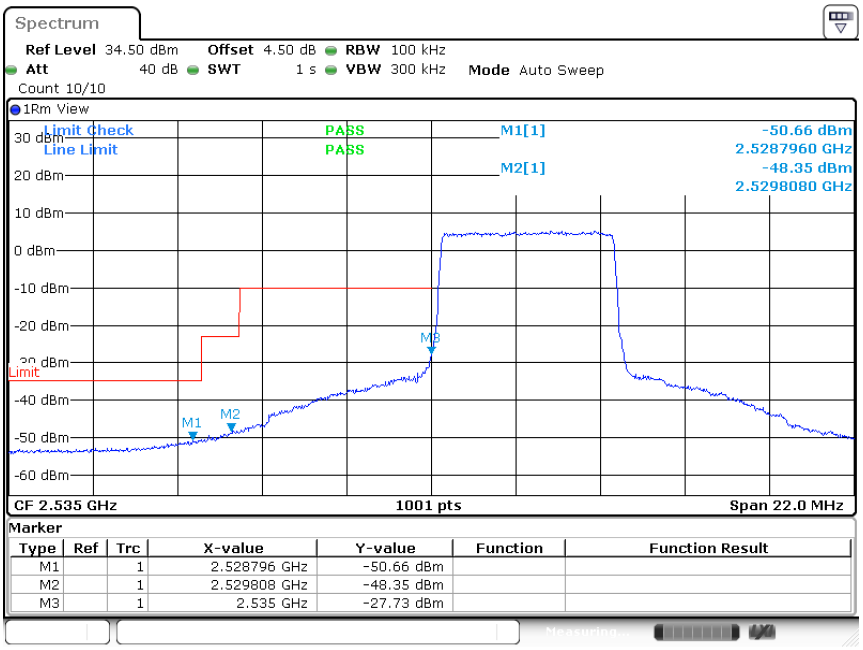

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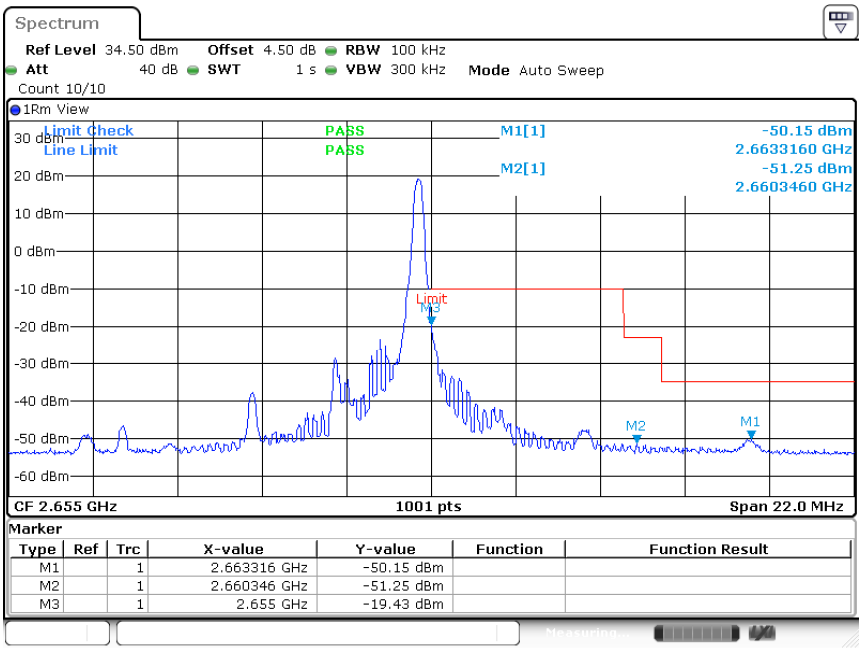
Band41-5MHz-64QAM-41215-1RB#24



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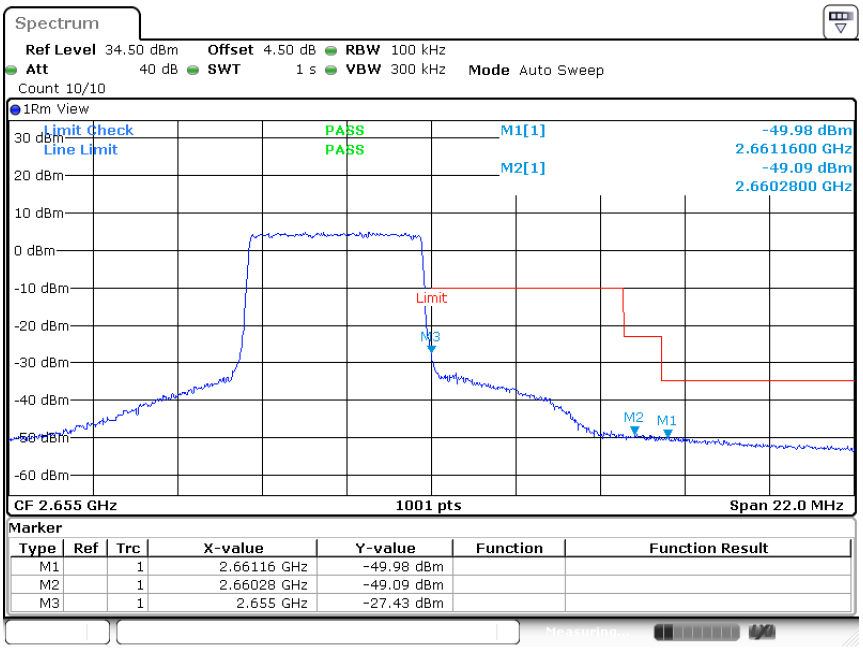

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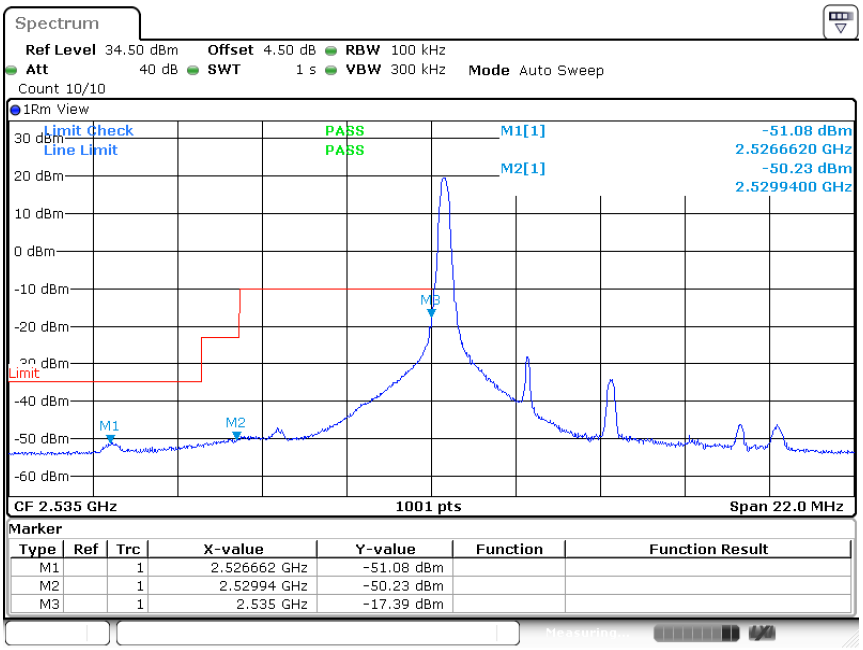

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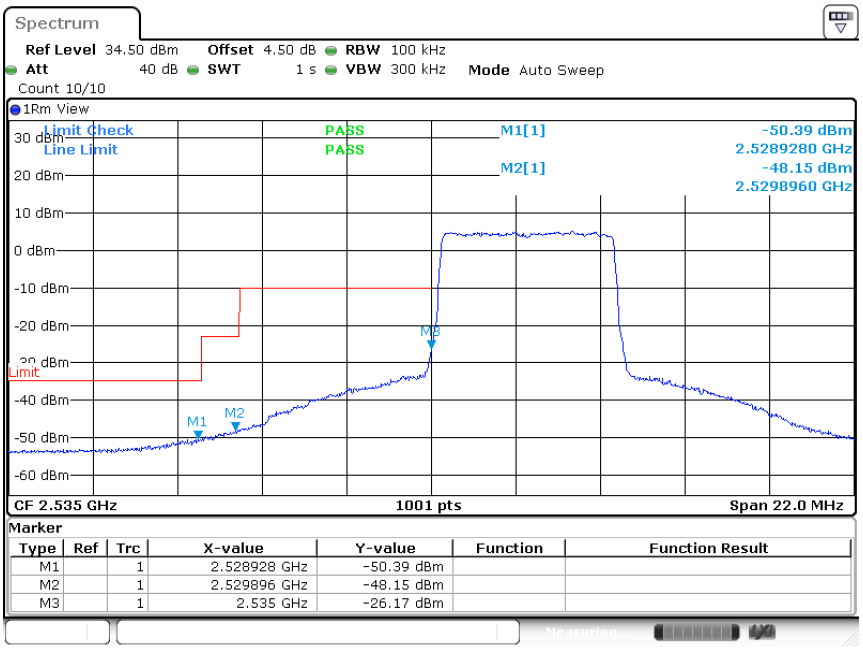

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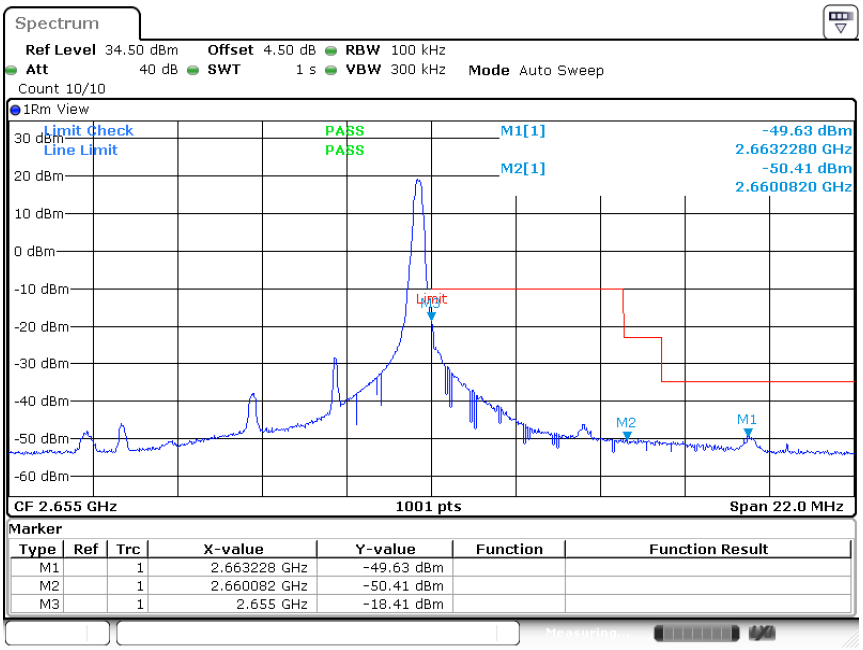
Band41-5MHz-16QAM-41215-1RB#24



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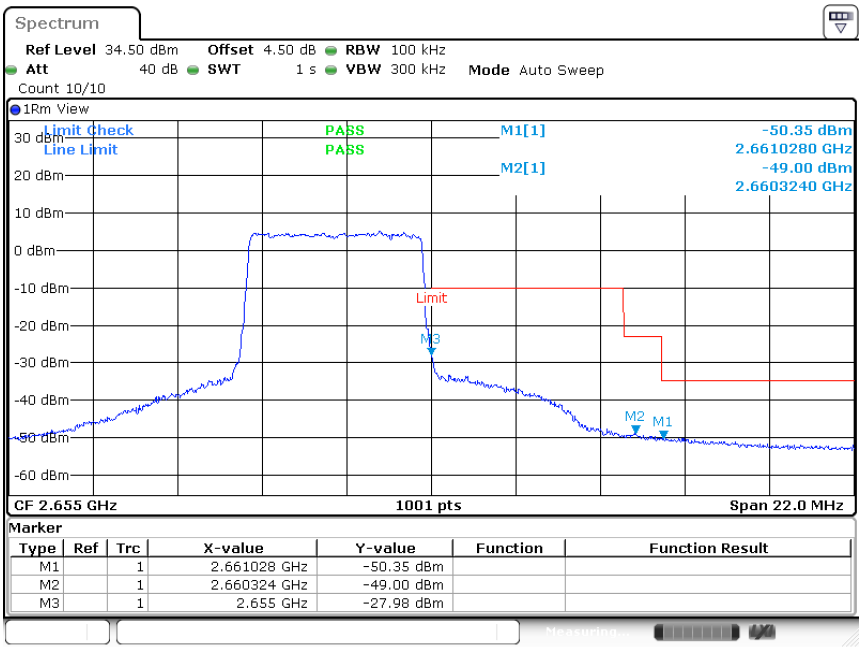

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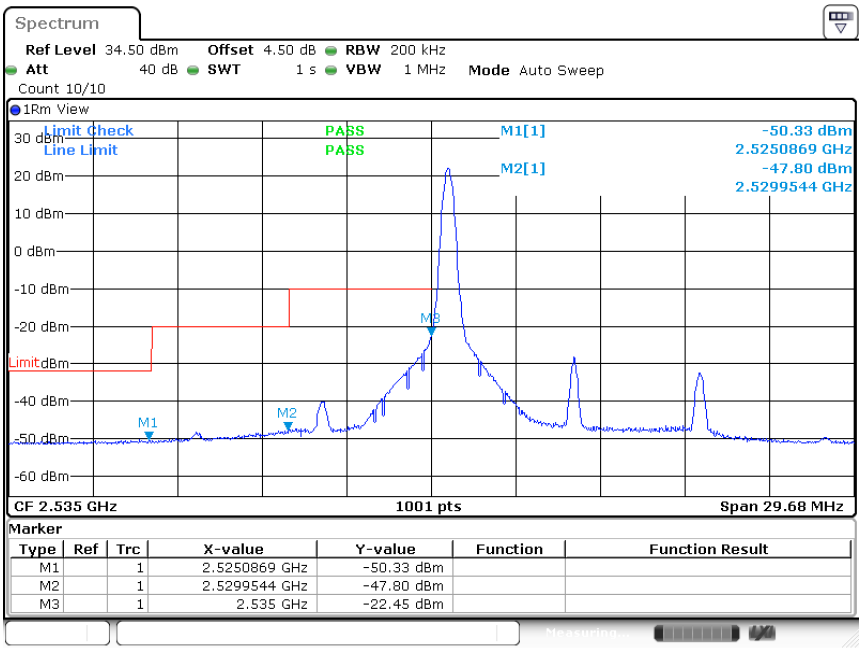
Band41-10MHz-QPSK-40090-1RB#0



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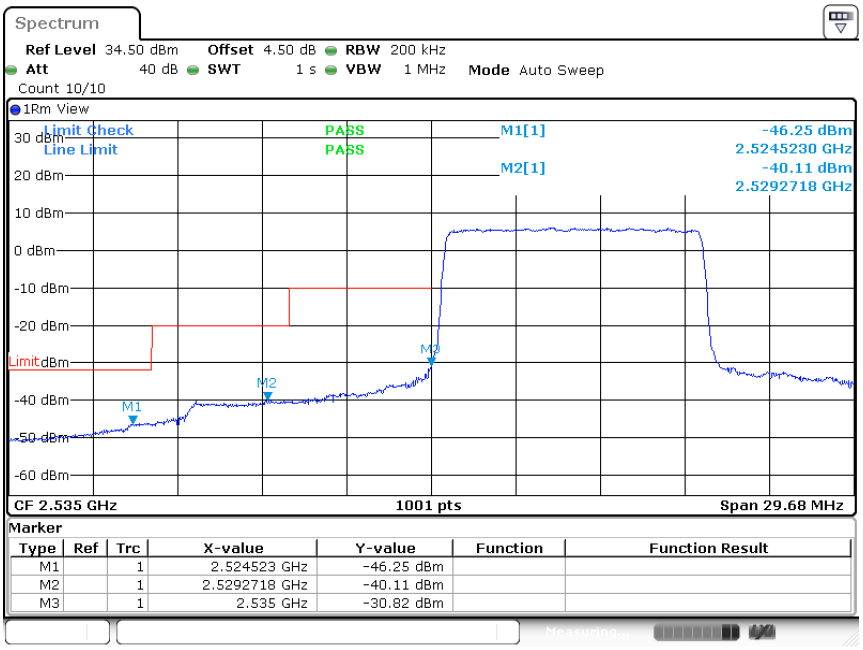

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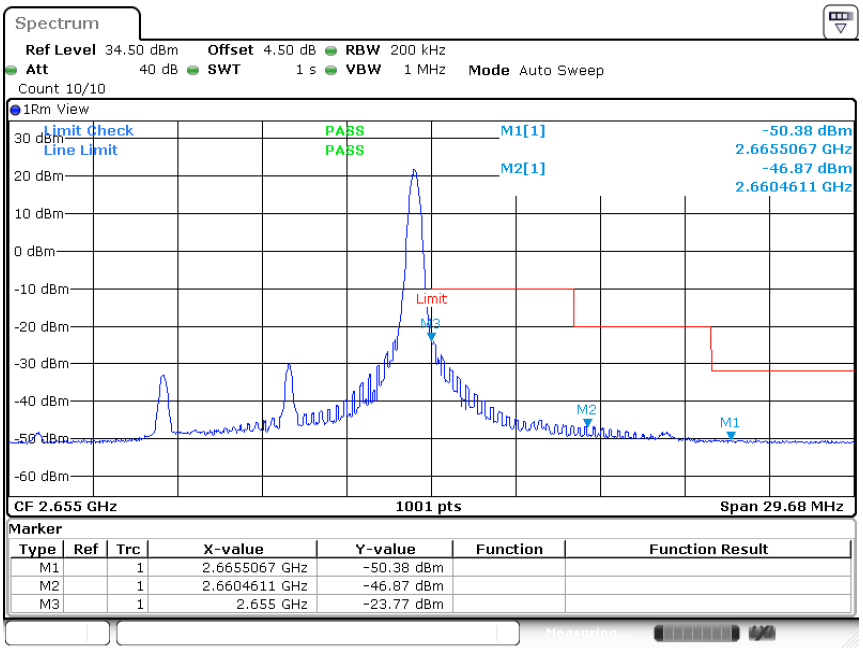
Band41-10MHz-QPSK-41190-1RB#49



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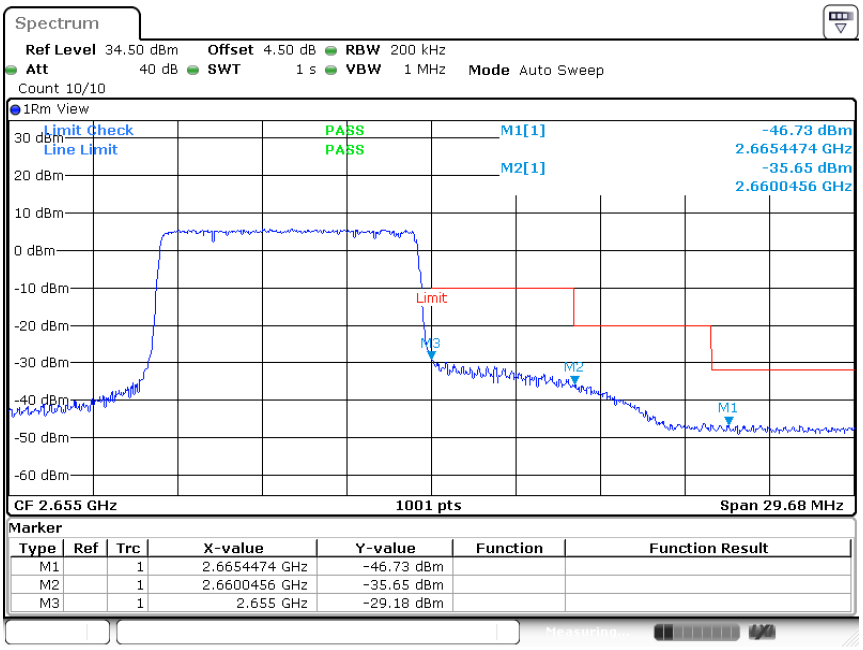

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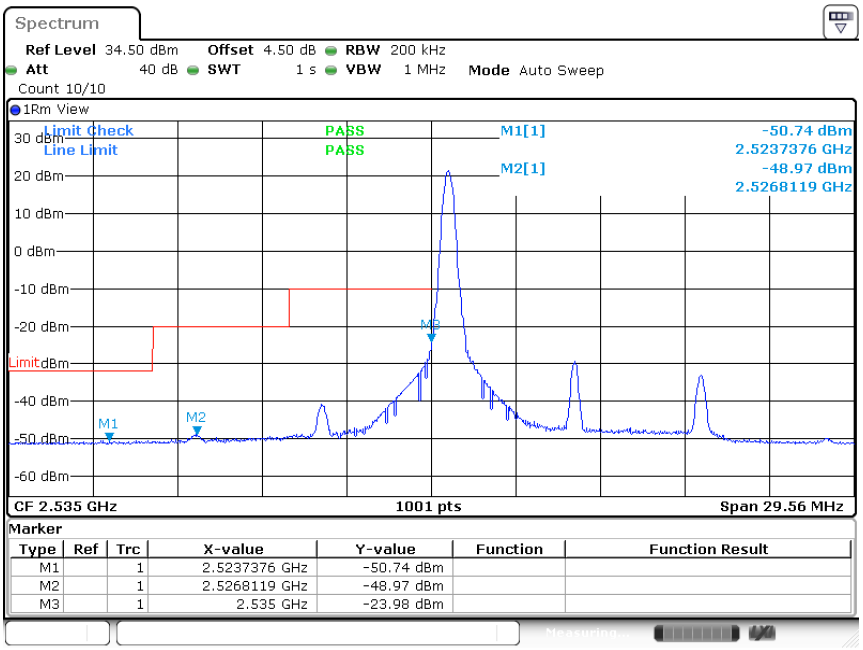
Band41-10MHz-64QAM-40090-1RB#0



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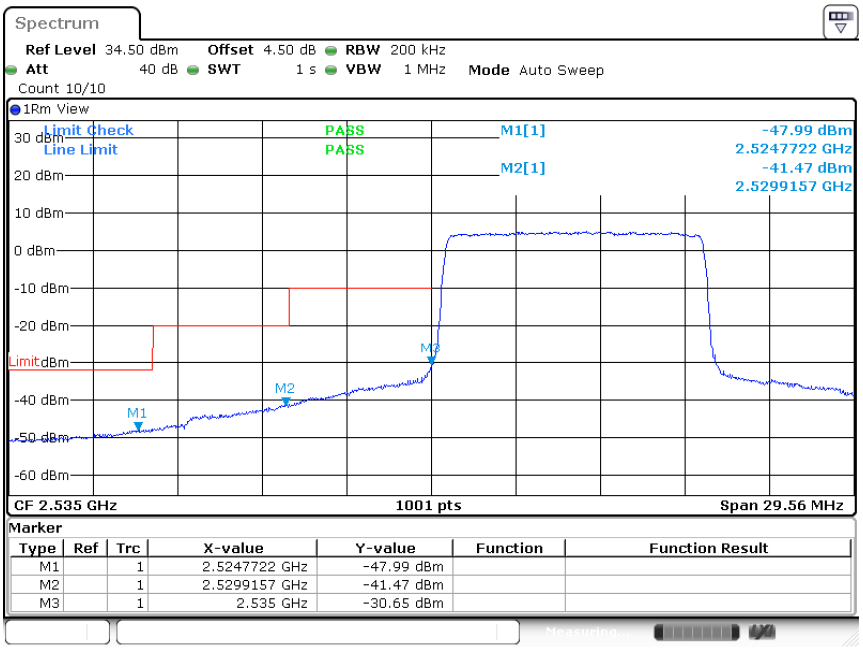

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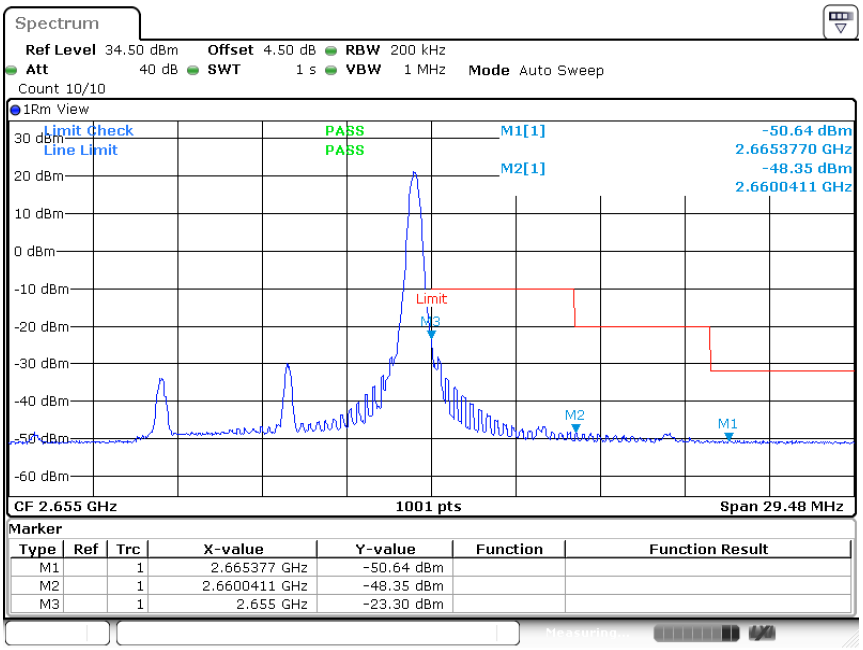
Band41-10MHz-64QAM-41190-1RB#49



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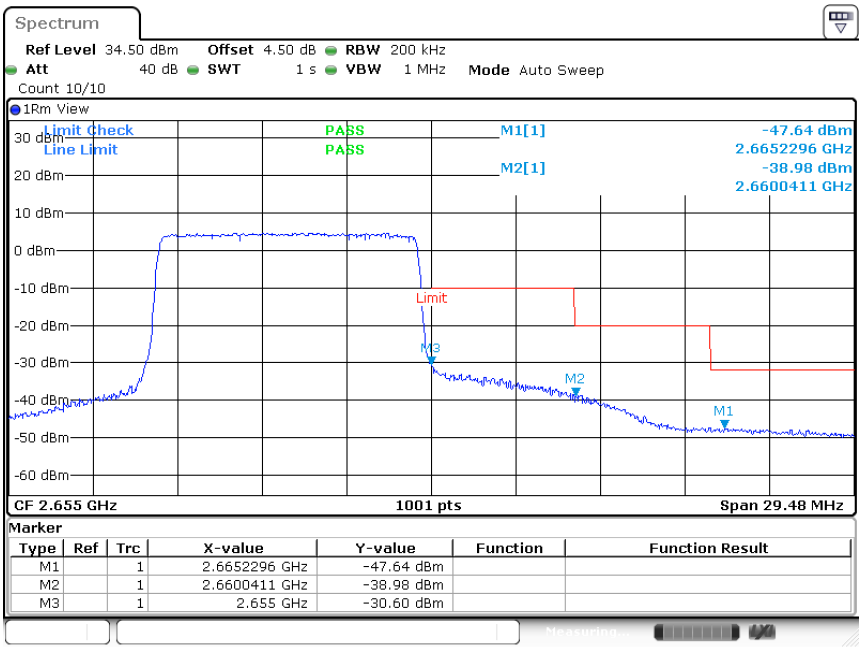

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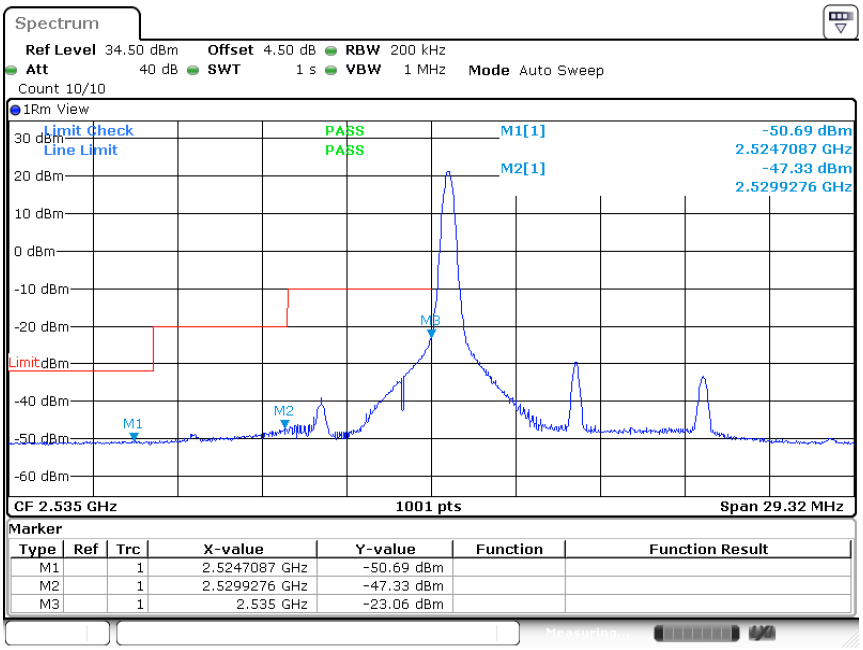
Band41-10MHz-16QAM-40090-1RB#0



Date: 4.SEP.2020 09:38:07

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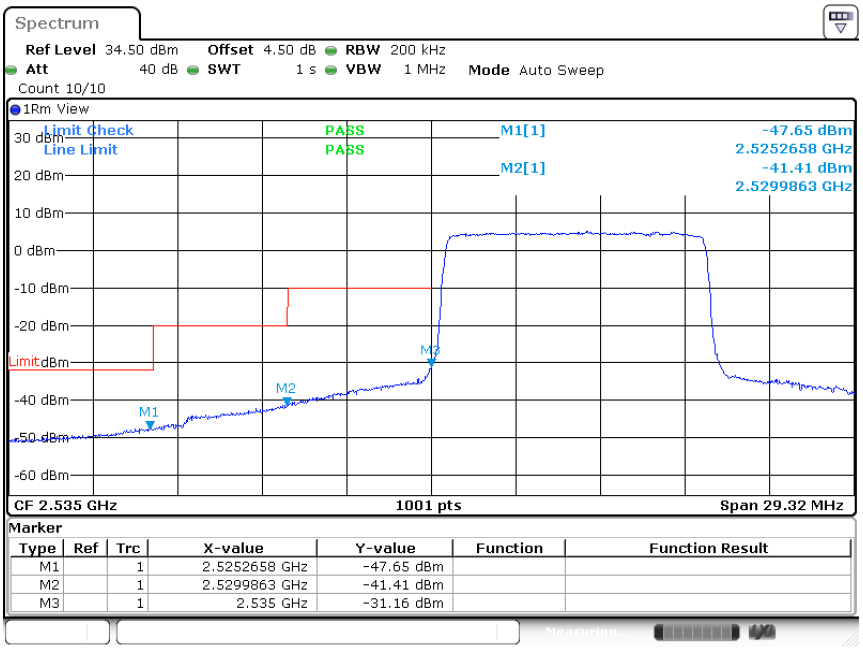

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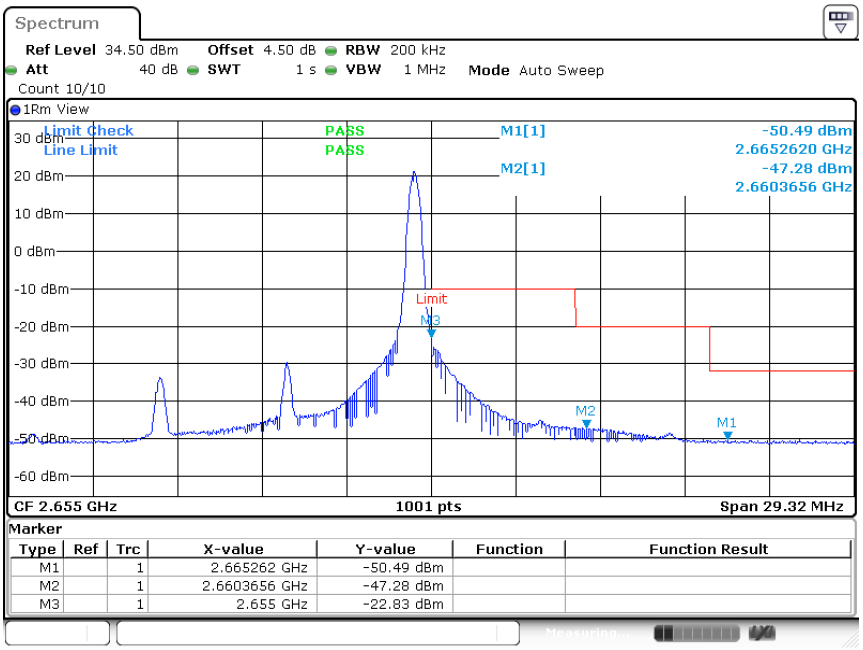

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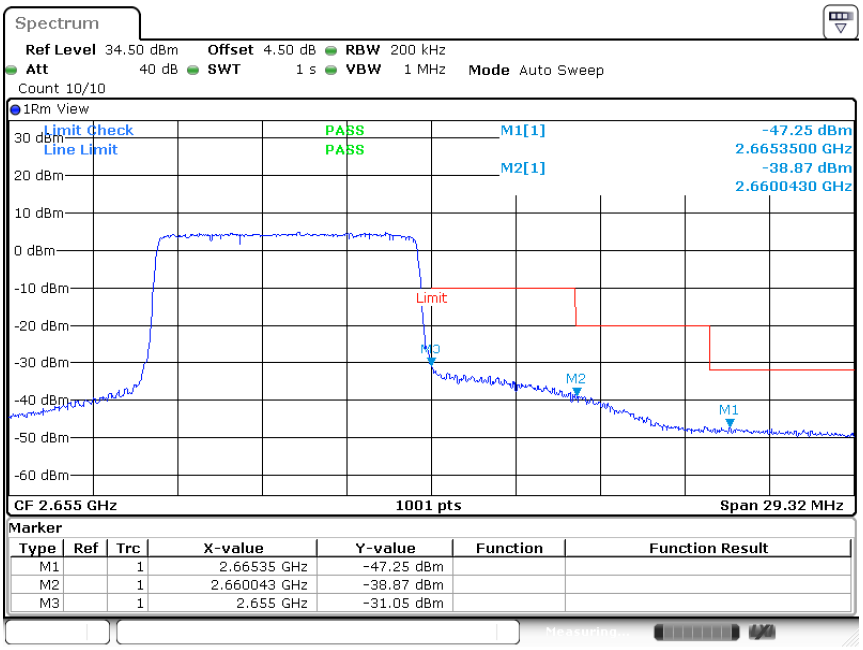

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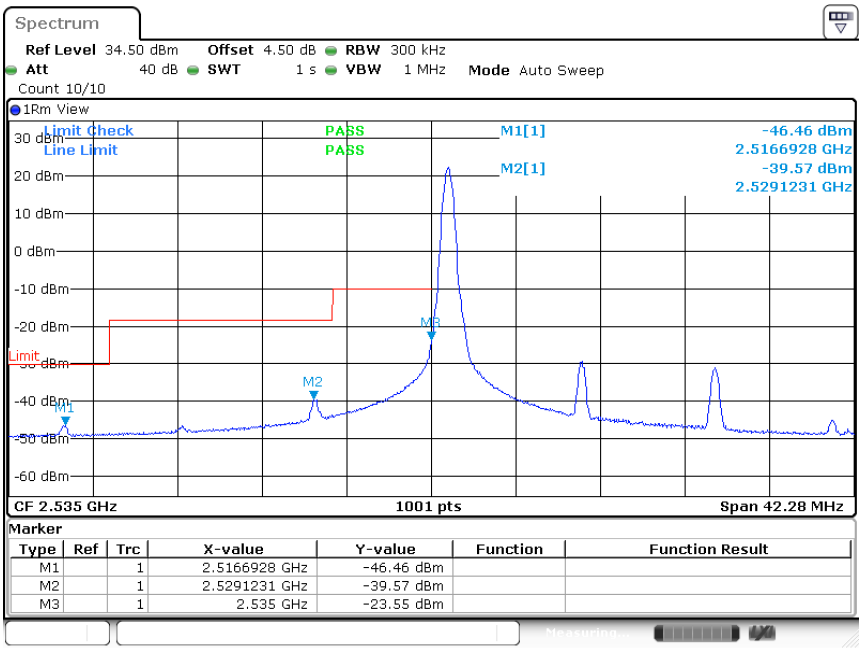

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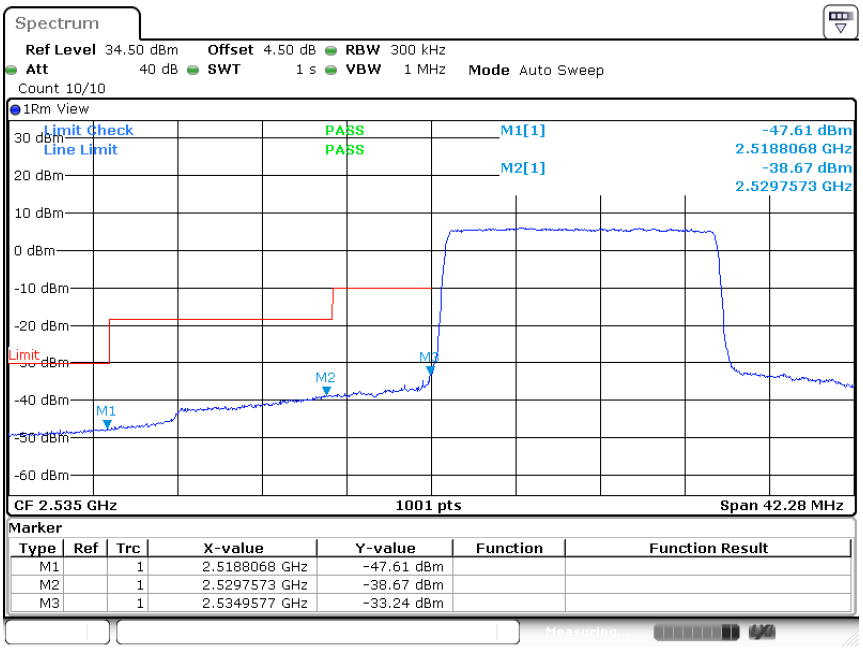

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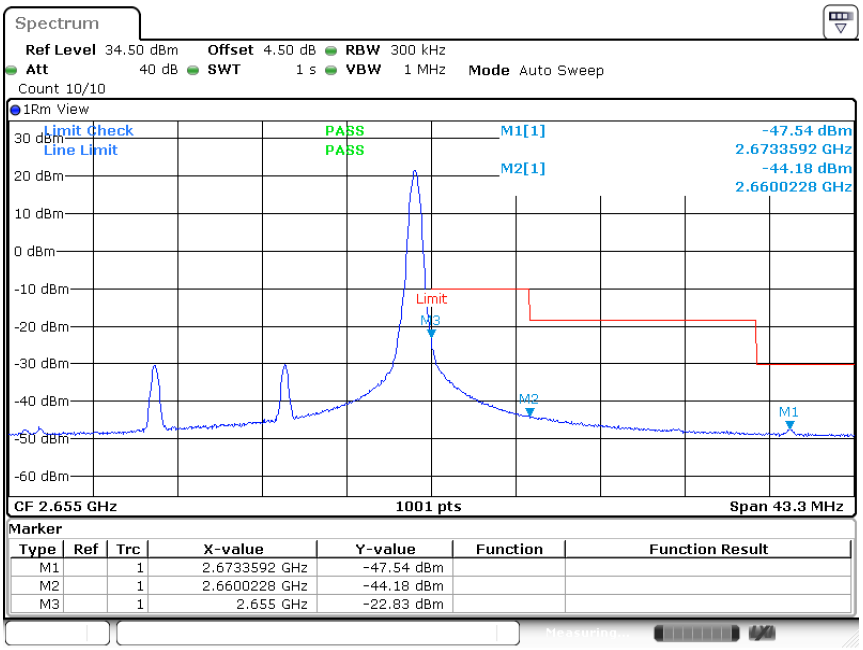
Band41-15MHz-QPSK-41165-1RB#74



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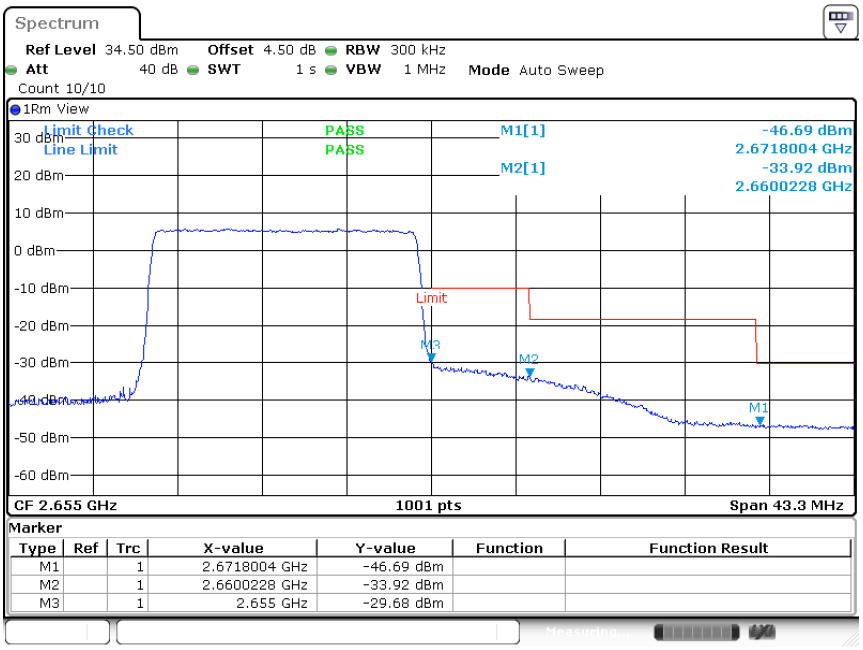

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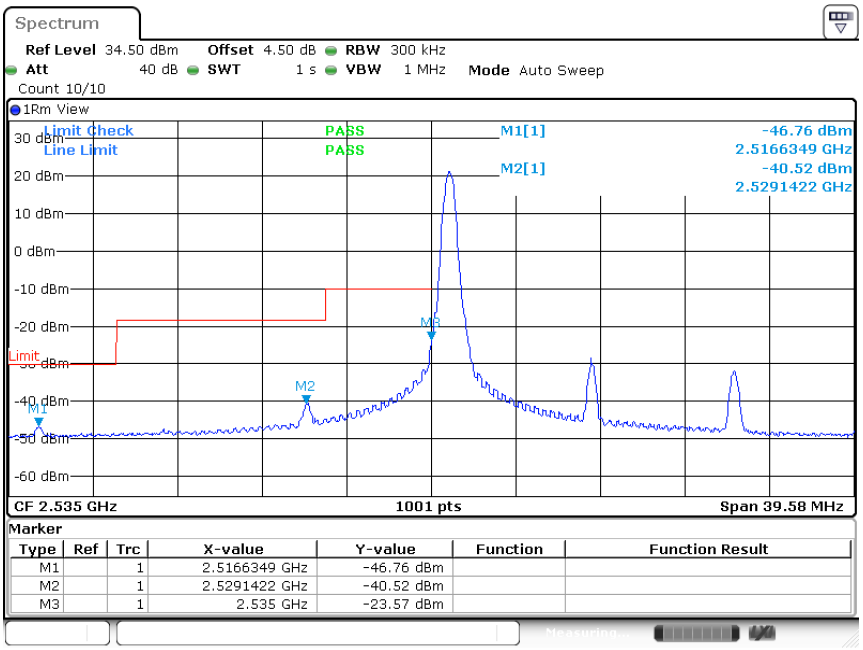

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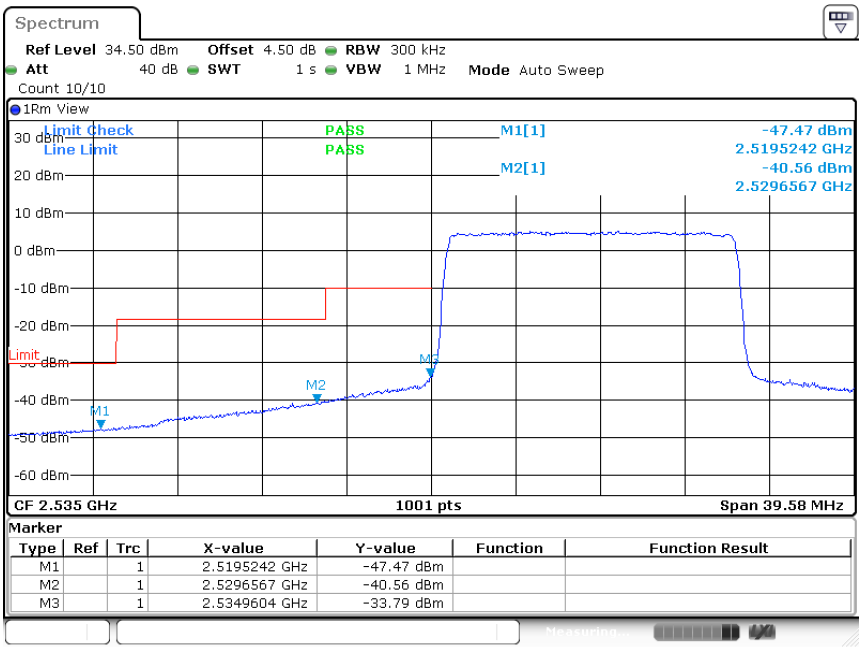

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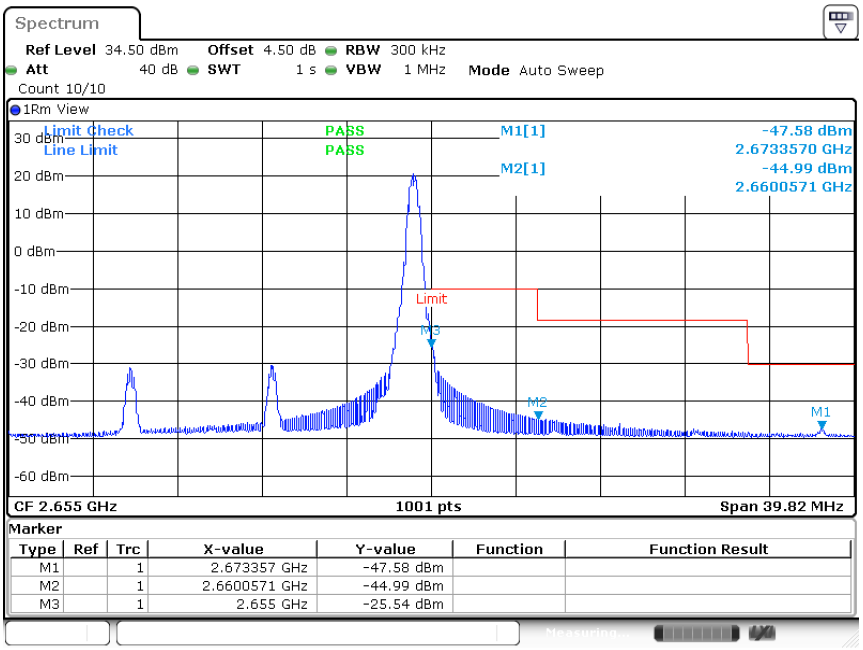
Band41-15MHz-64QAM-41165-1RB#74



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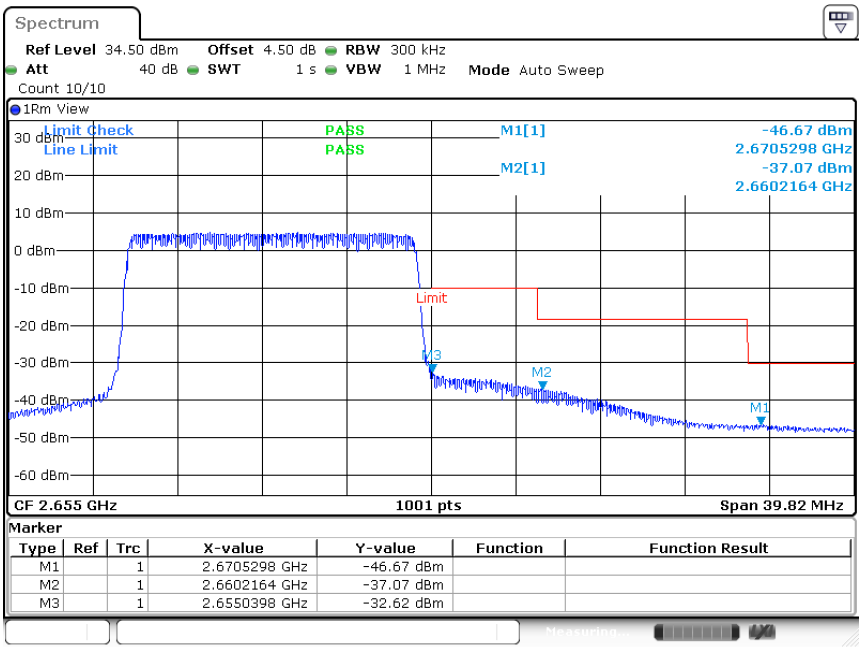

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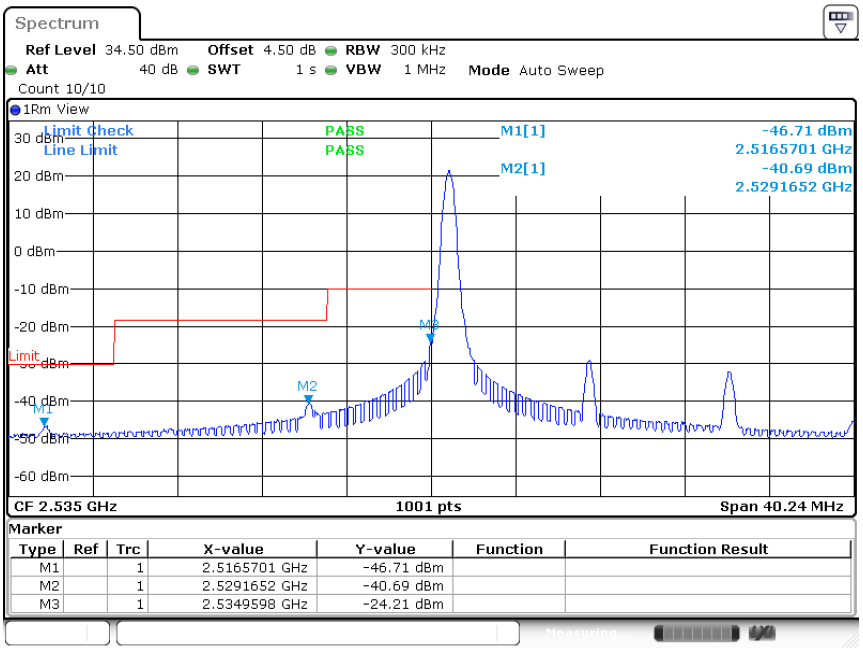

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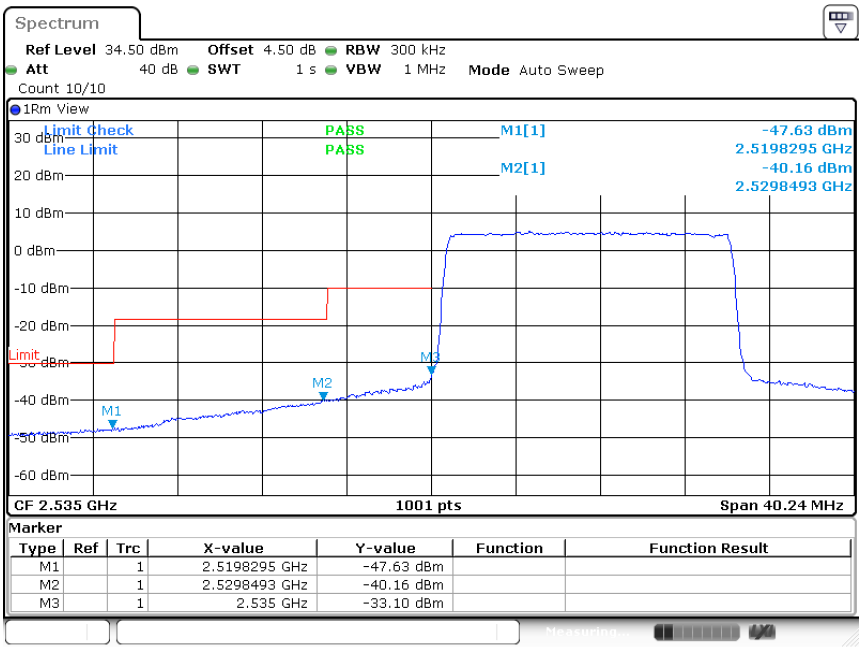

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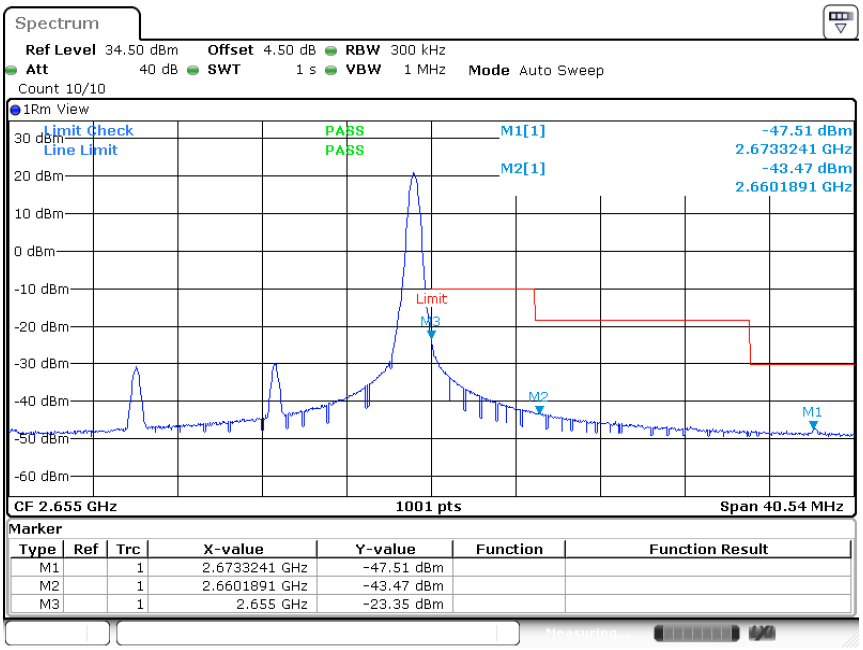

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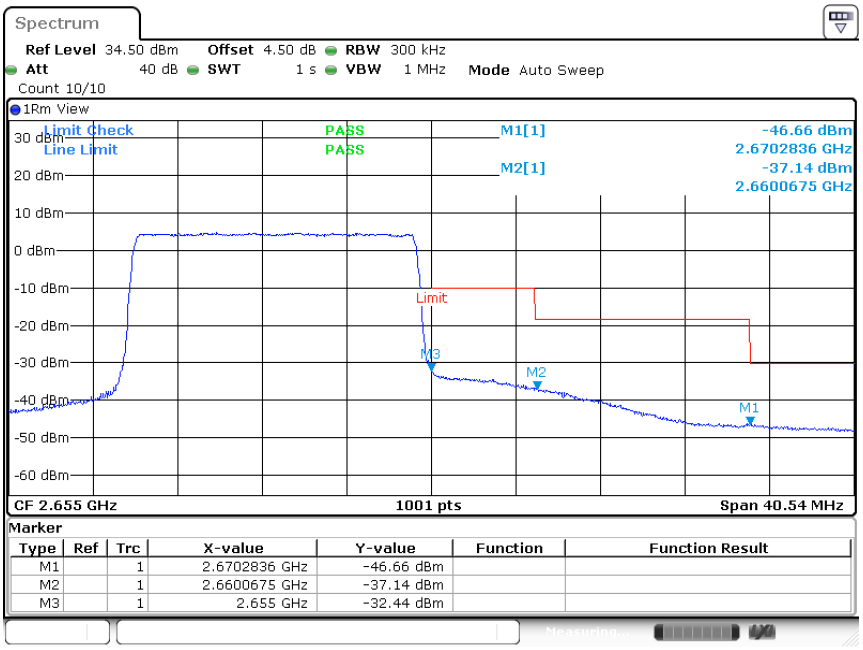

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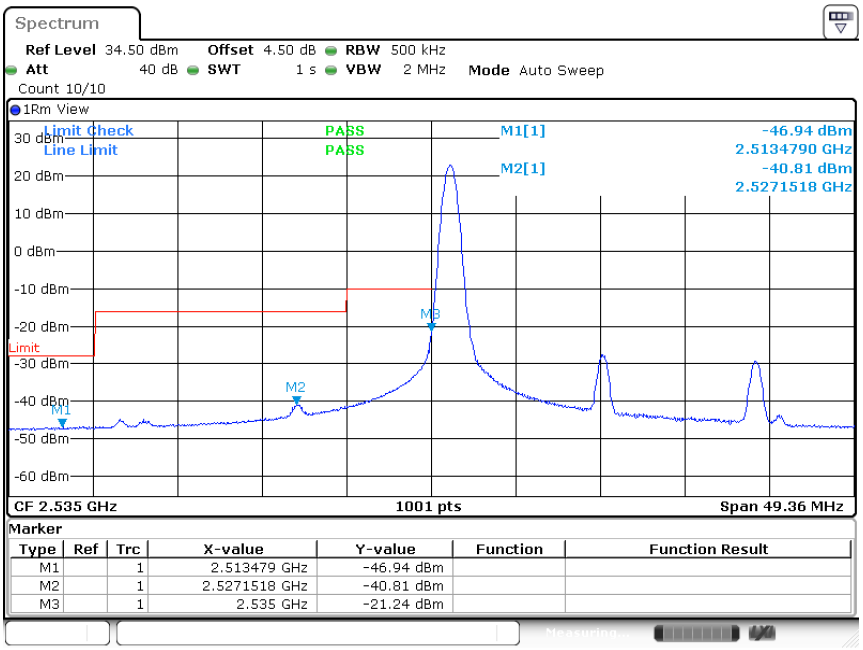

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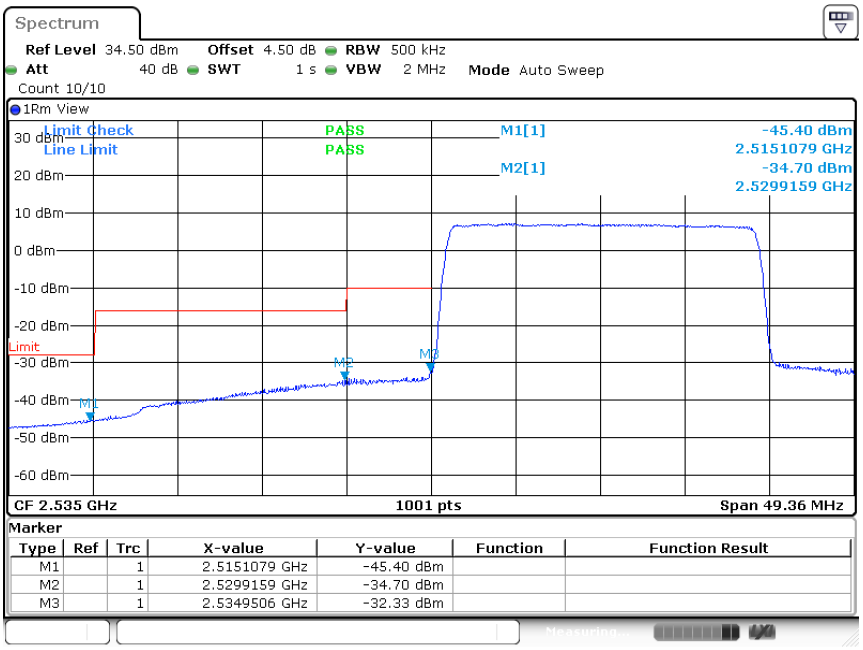
Band41-20MHz-QPSK-40140-100RB#0



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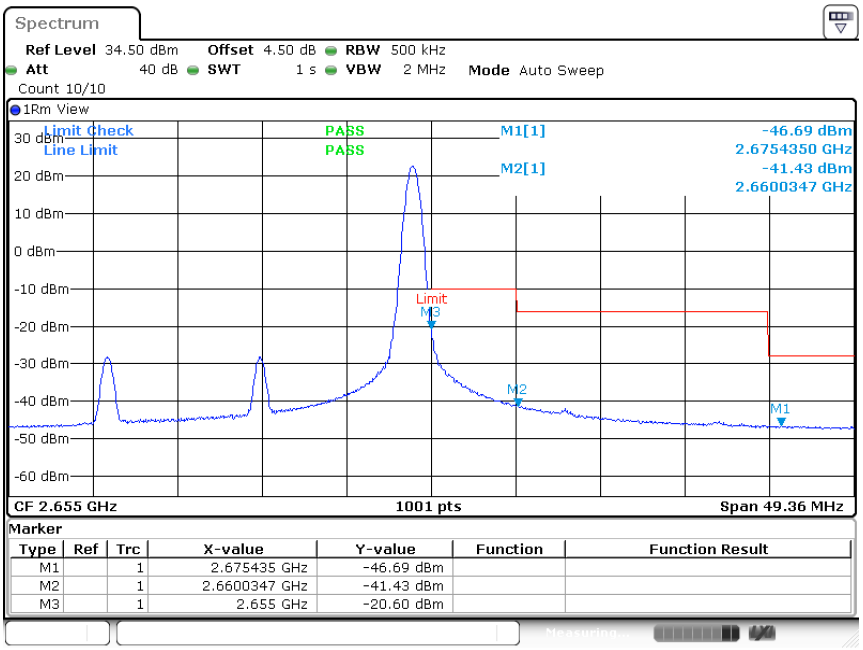

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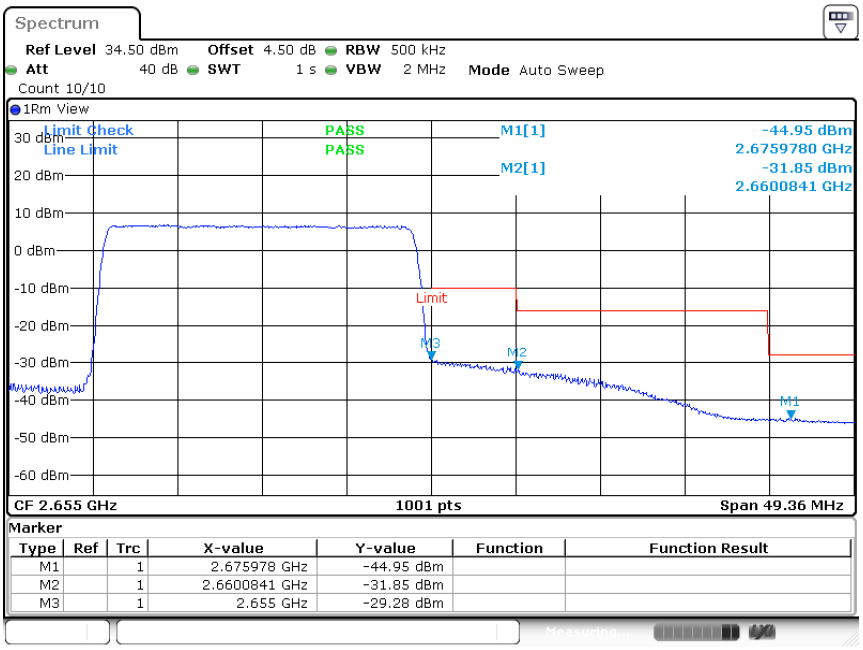

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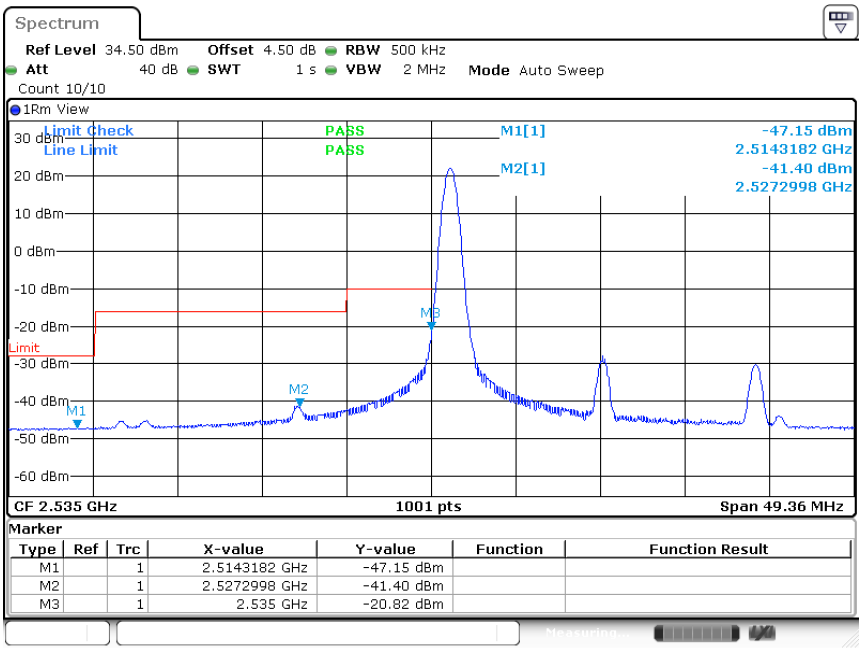
Band41-20MHz-64QAM-40140-1RB#0



Date: 4.SEP.2020 10:21:00

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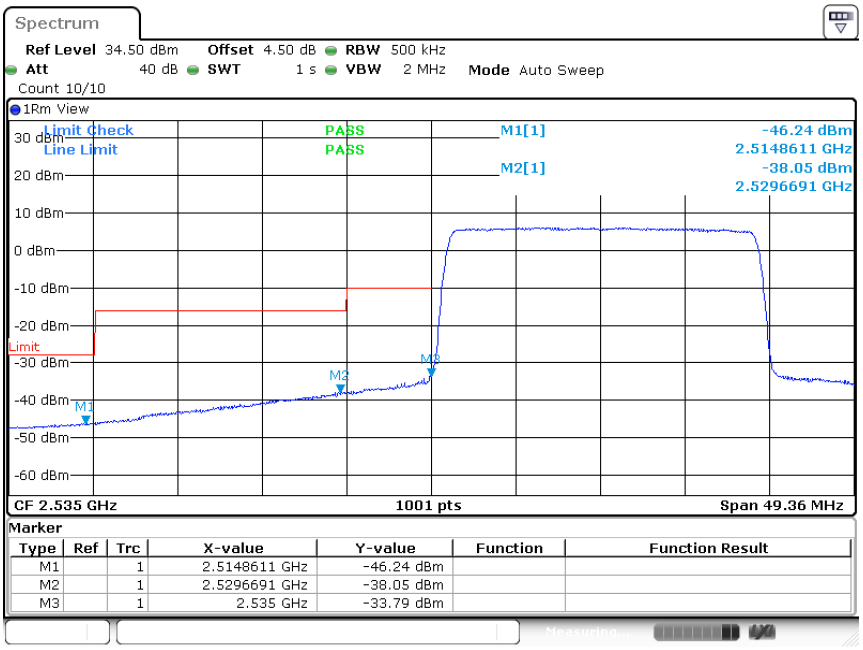
Band41-20MHz-64QAM-40140-100RB#0



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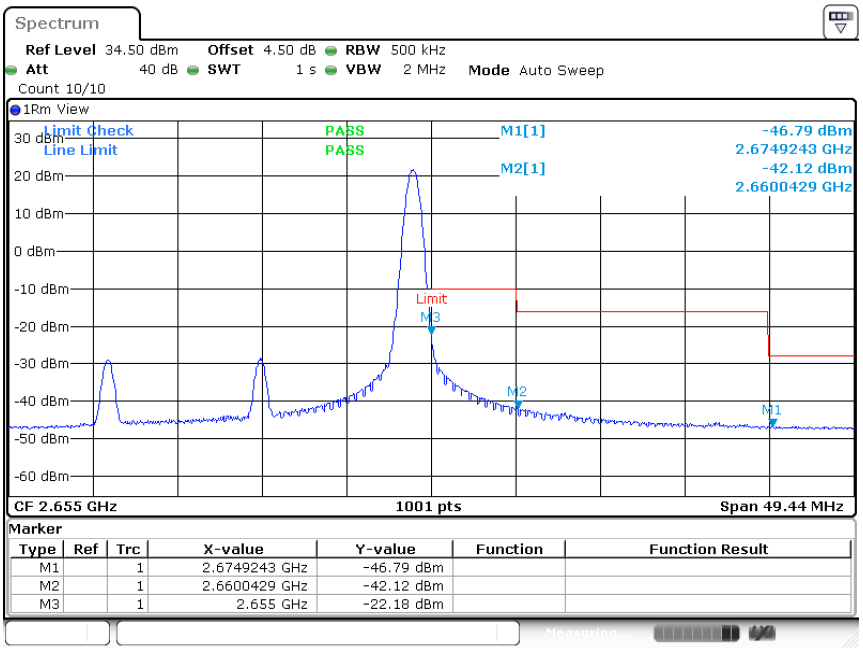
Band41-20MHz-64QAM-41140-1RB#99



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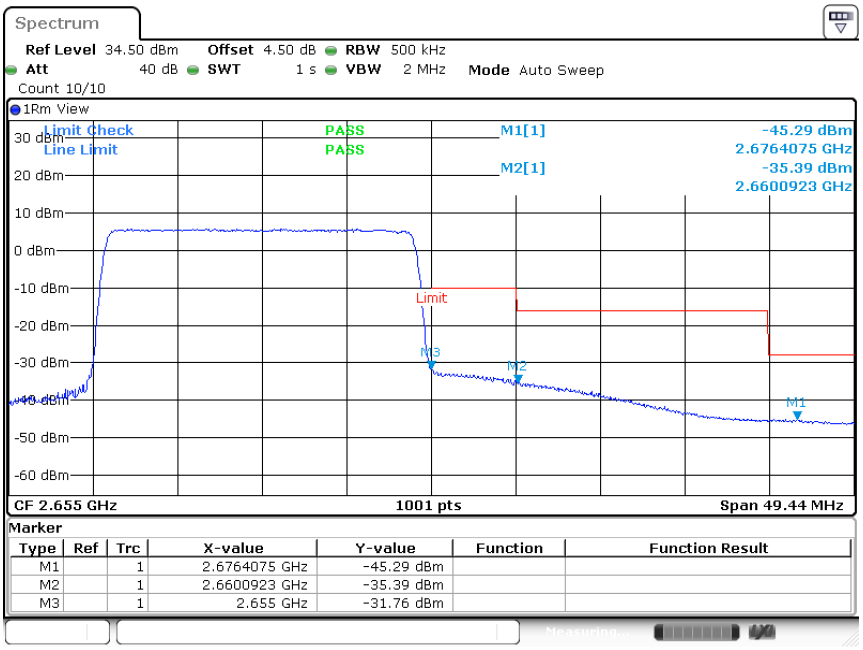
Band41-20MHz-64QAM-41140-100RB#0



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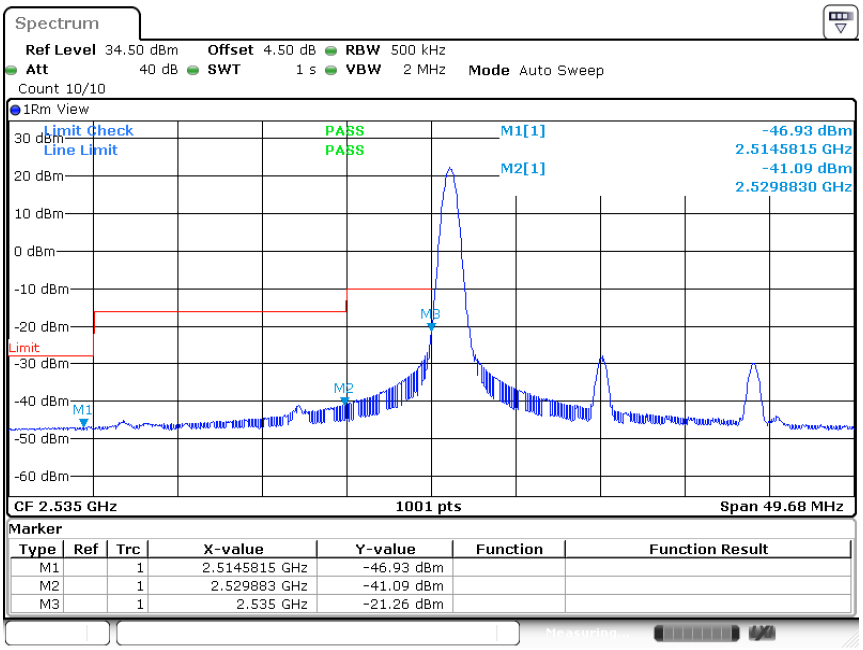
Band41-20MHz-16QAM-40140-1RB#0



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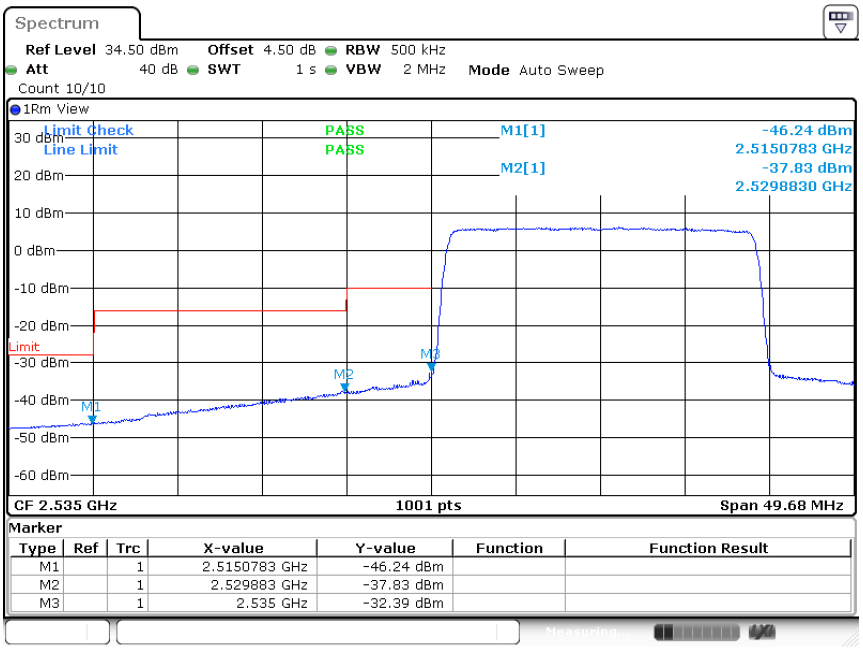

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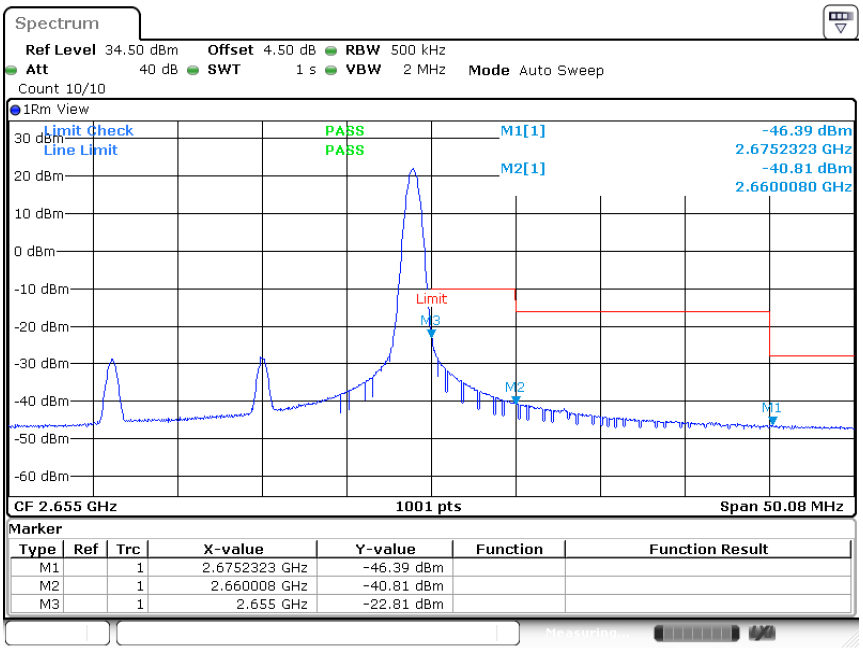
Band41-20MHz-16QAM-41140-1RB#99



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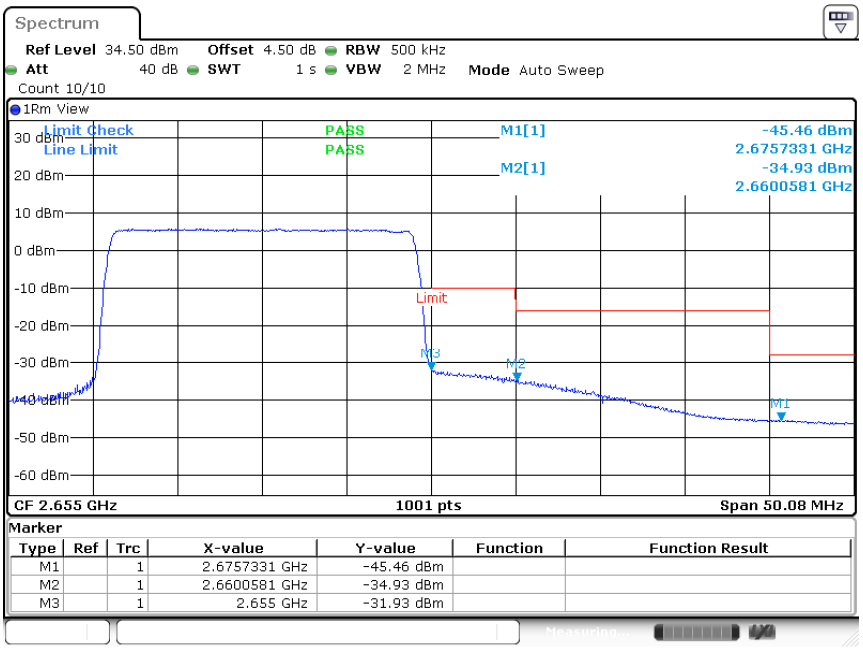

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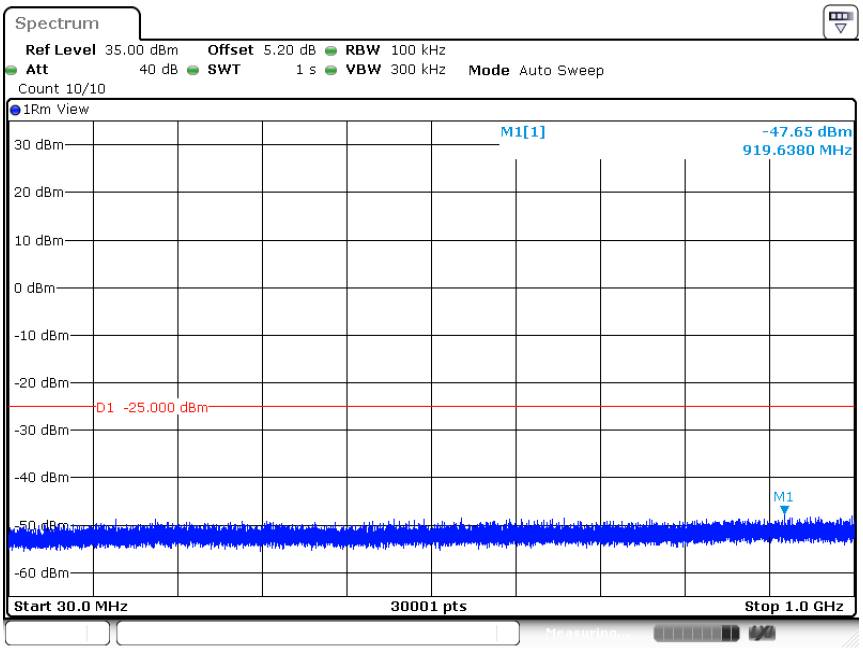
6. Spurious Emission at Antenna Terminal

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

Band41-20MHz-QPSK-40140-1RB#0-Range1:30~1000MHz



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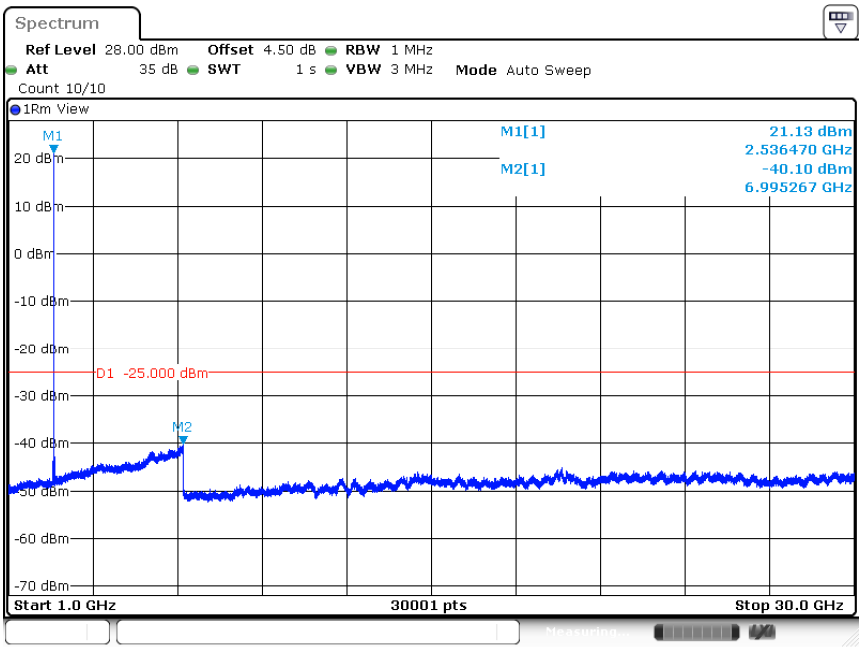
Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~30000MHz



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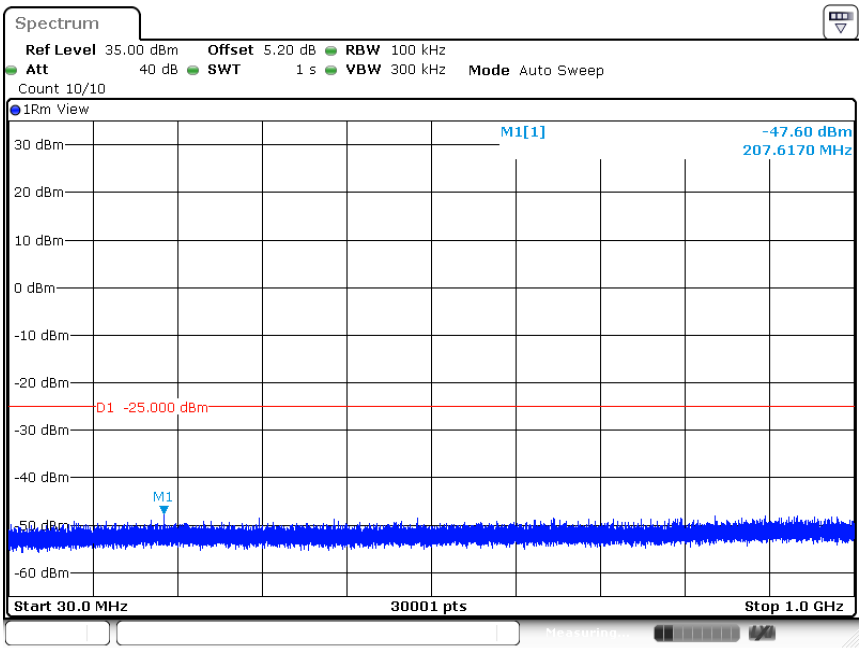

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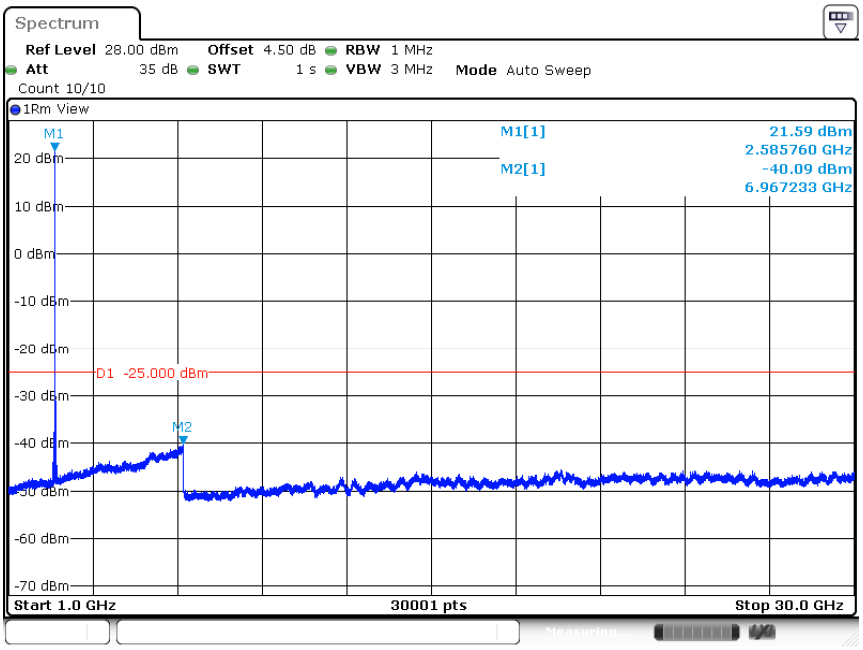
Band41-20MHz-QPSK-40640-1RB#0-Range2:1000~30000MHz



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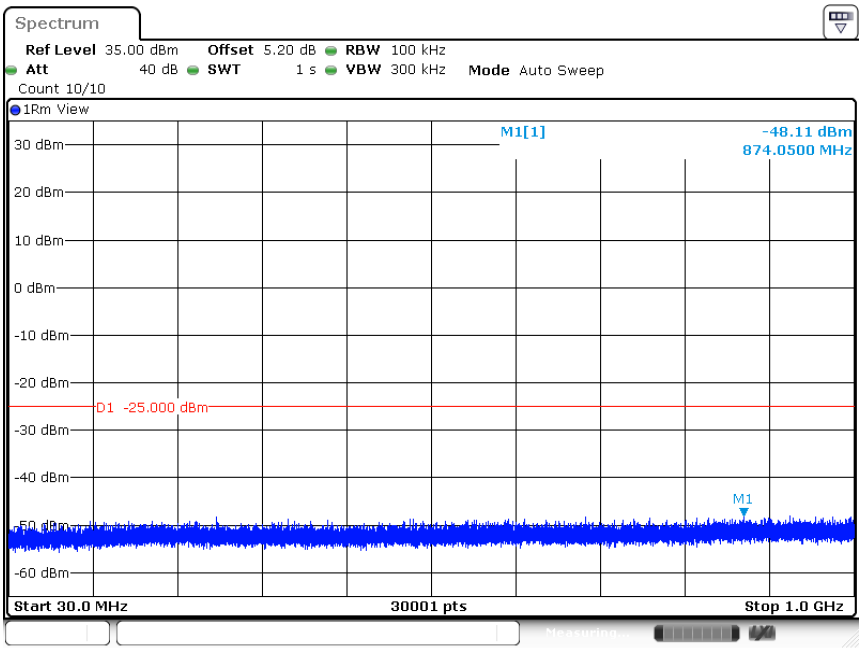

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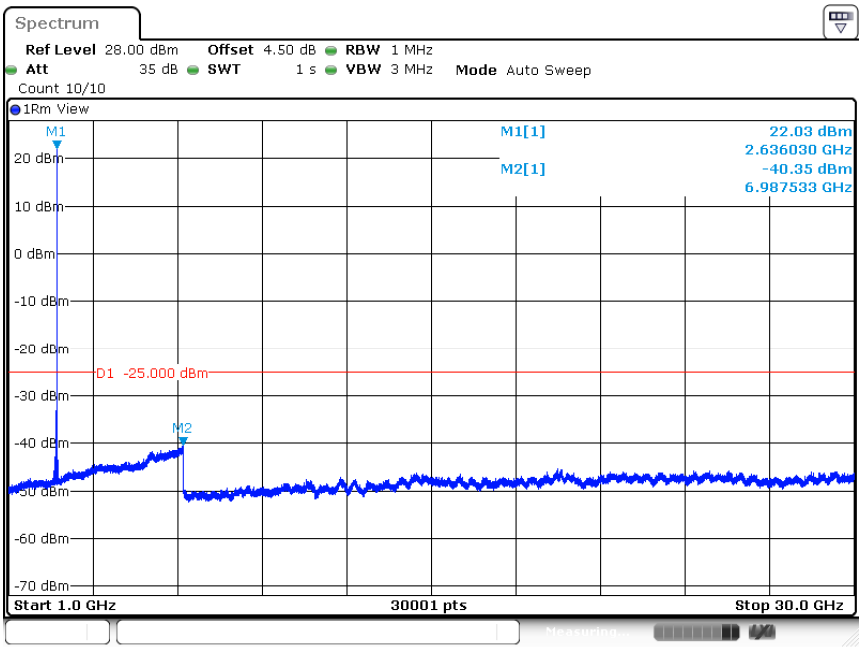
Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~30000MHz



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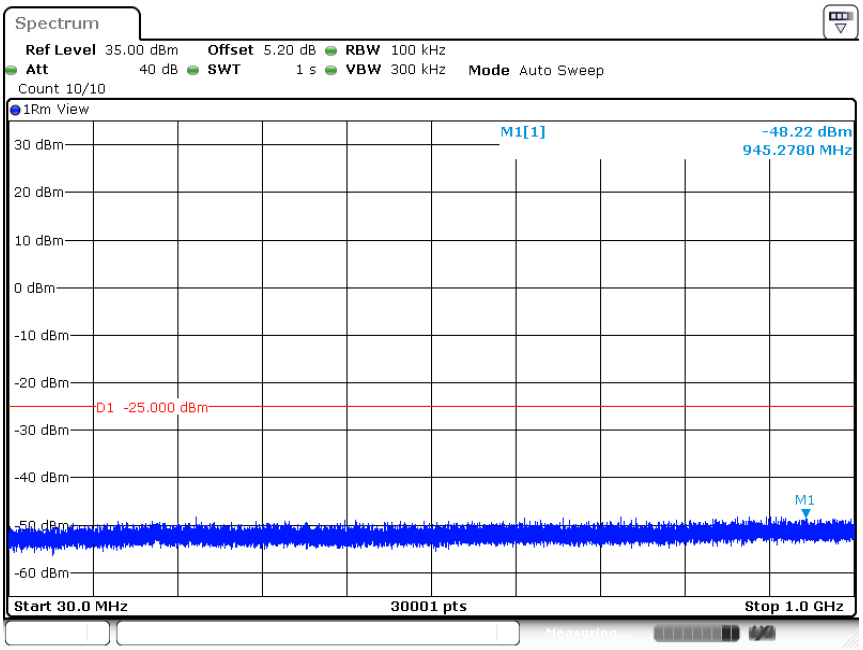

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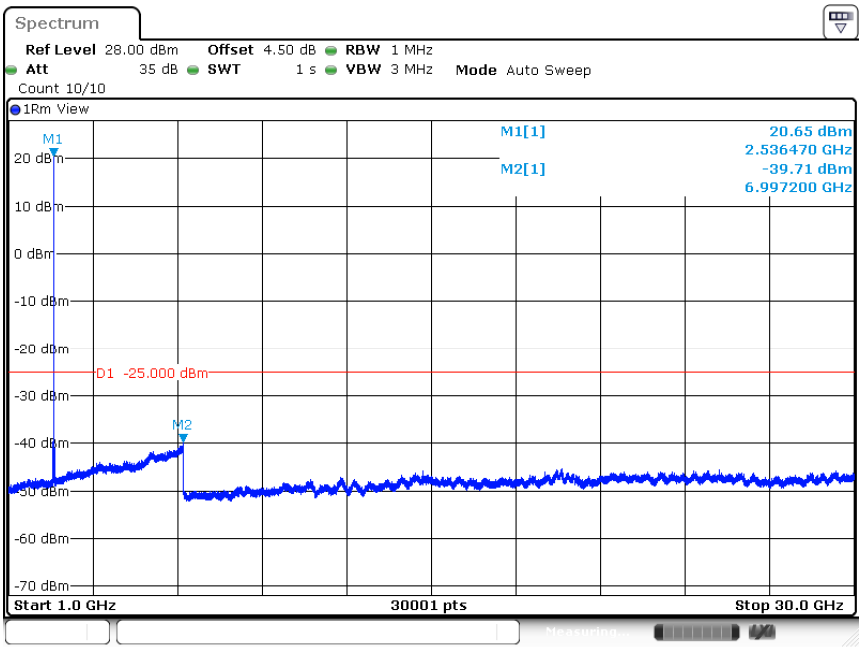
Band41-20MHz-64QAM-40140-1RB#0-Range2:1000~30000MHz



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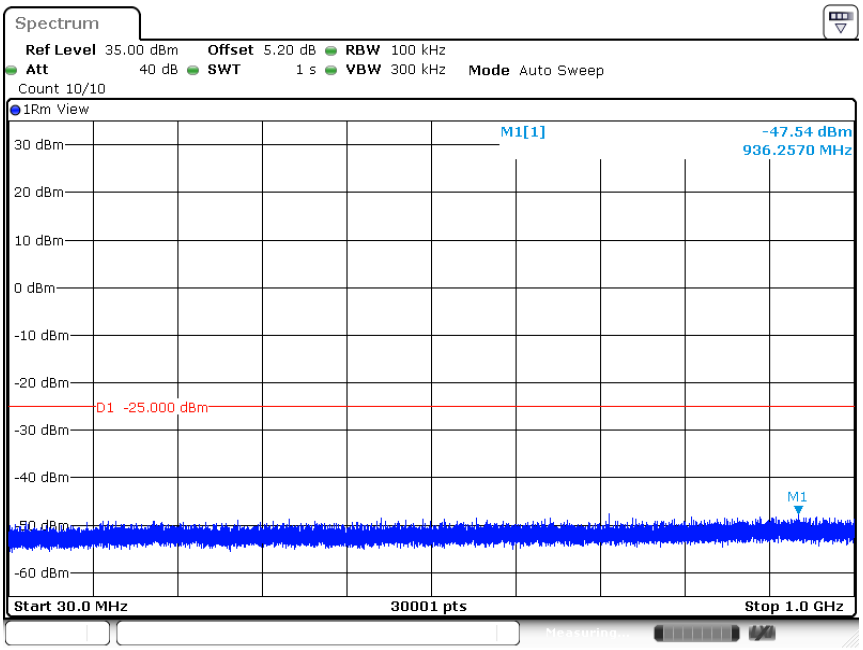

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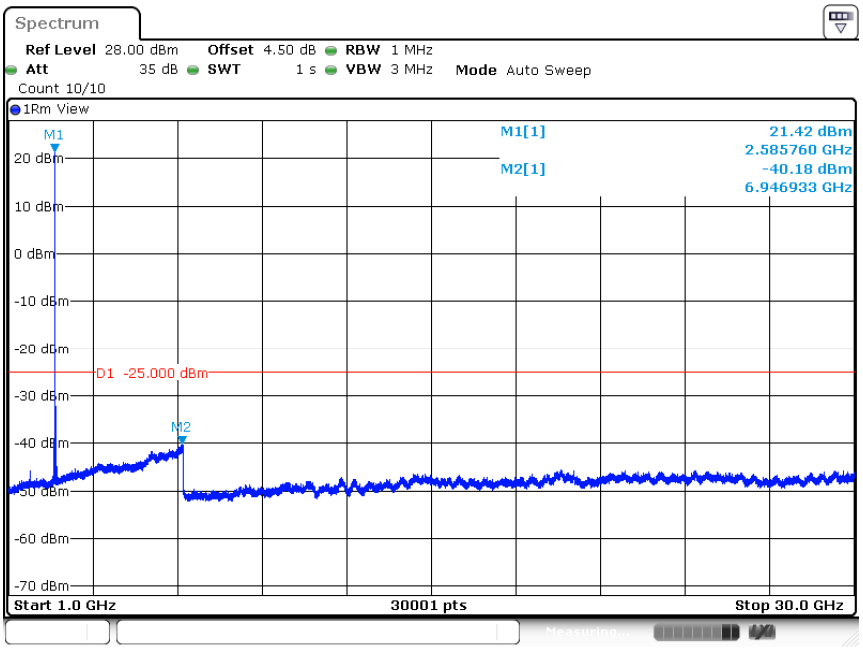
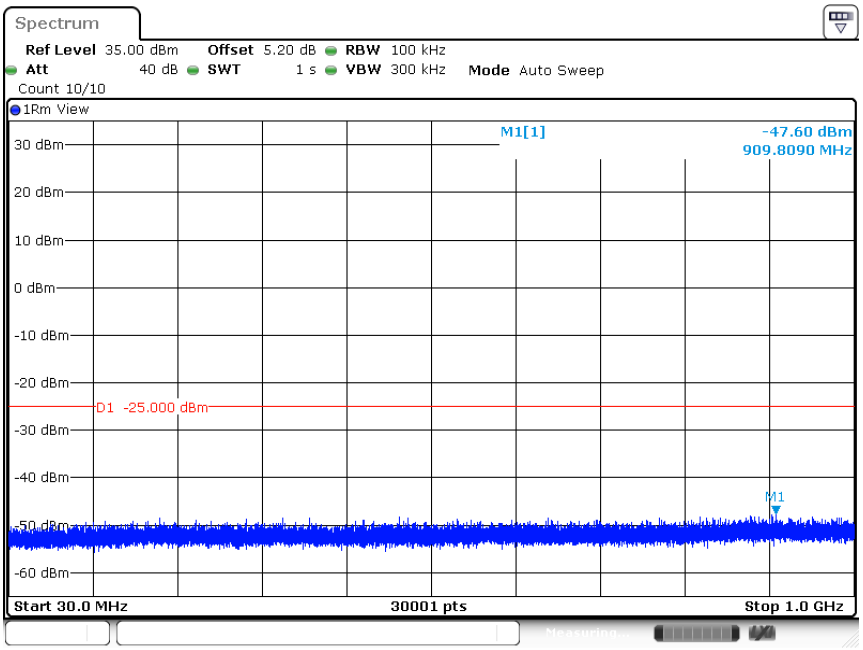
Band41-20MHz-64QAM-40640-1RB#0-Range2:1000~30000MHz



Date: 4.SEP.2020 10:31:17

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



Date: 4.SEP.2020 10:31:36

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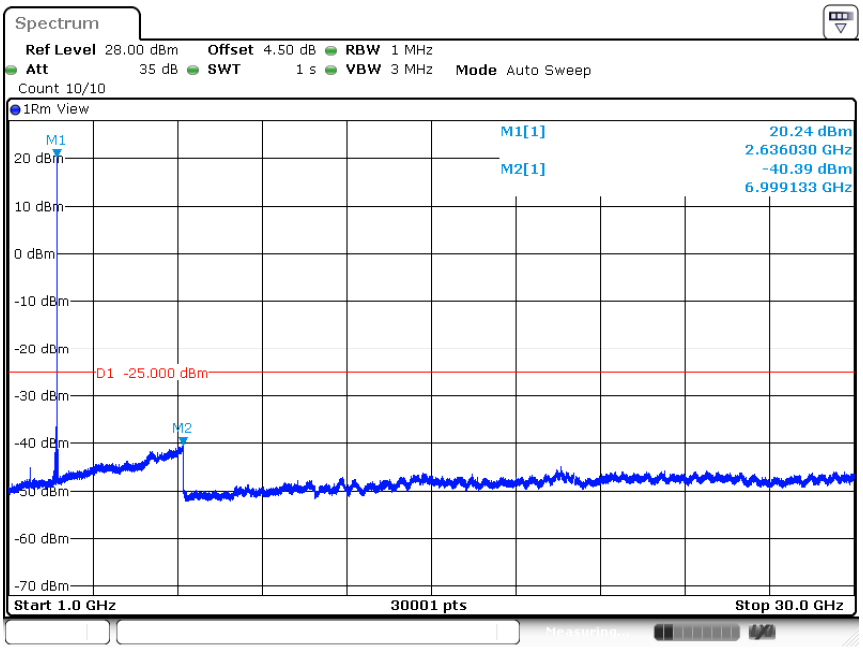
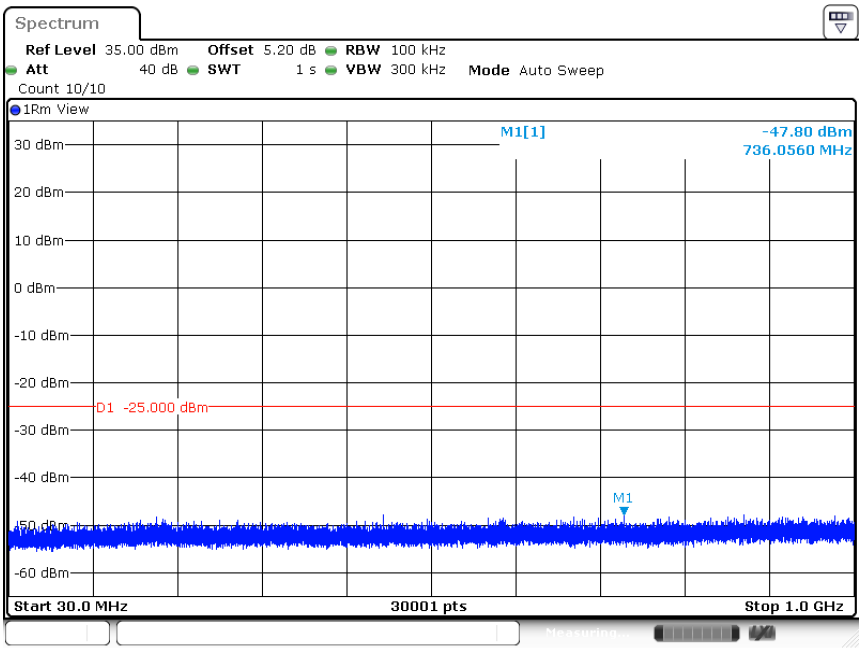
Band41-20MHz-64QAM-41140-1RB#0-Range2:1000~30000MHz



Date: 4.SEP.2020 10:31:52

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



Date: 4.SEP.2020 09:48:18

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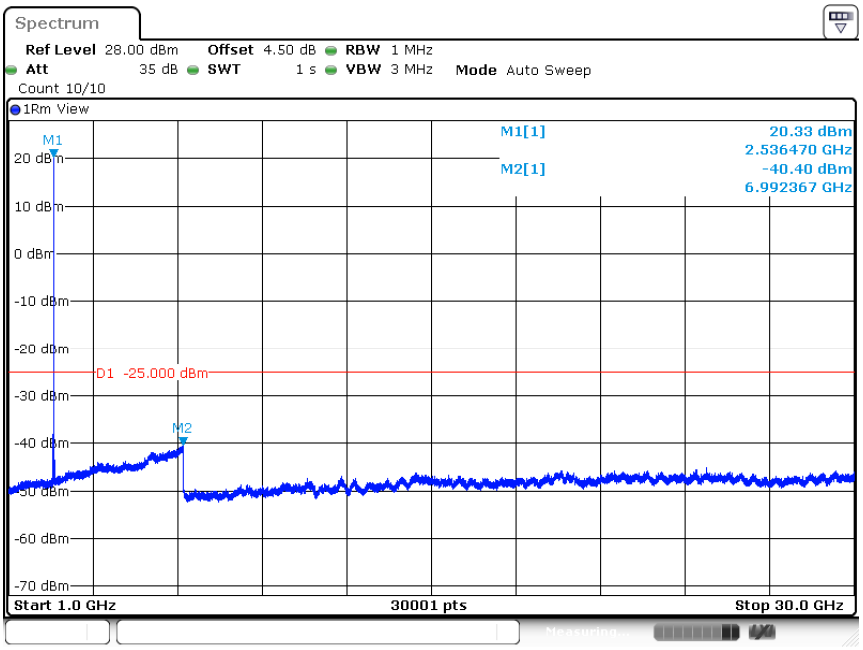
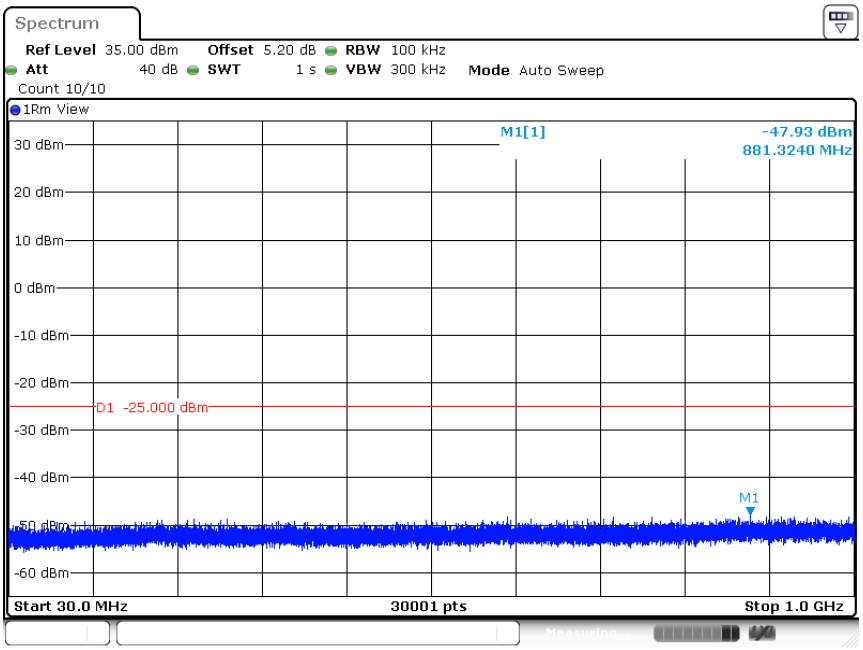
Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~30000MHz



Date: 4.SEP.2020 09:48:35

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



Date: 4.SEP.2020 09:49:29

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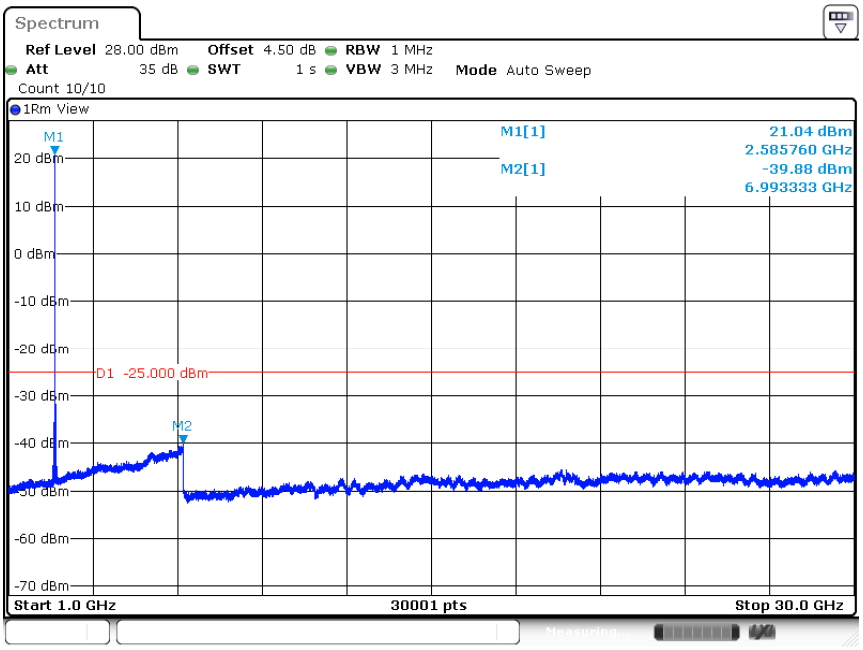
Band41-20MHz-16QAM-40640-1RB#0-Range2:1000~30000MHz



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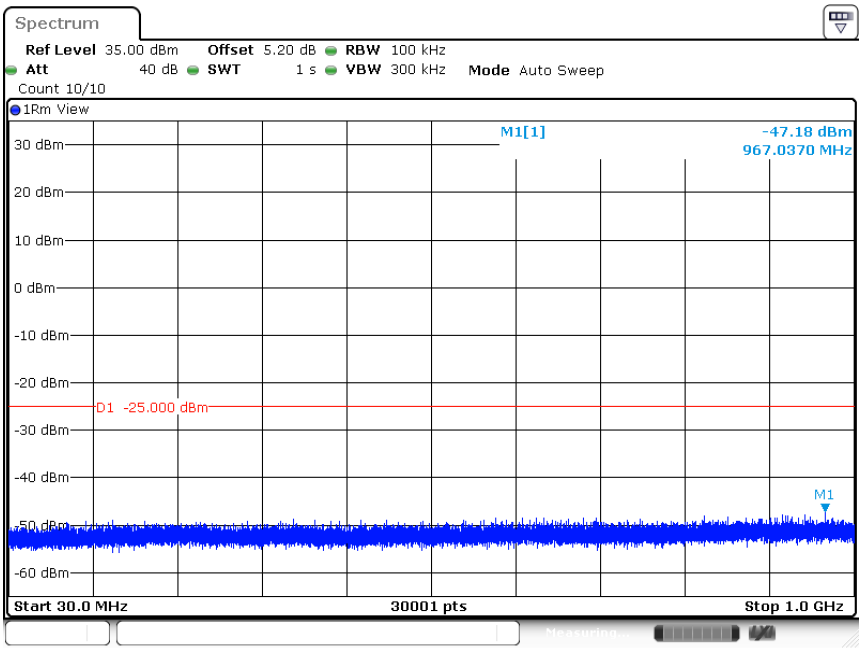
Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



Date: 4.SEP.2020 09:50:41

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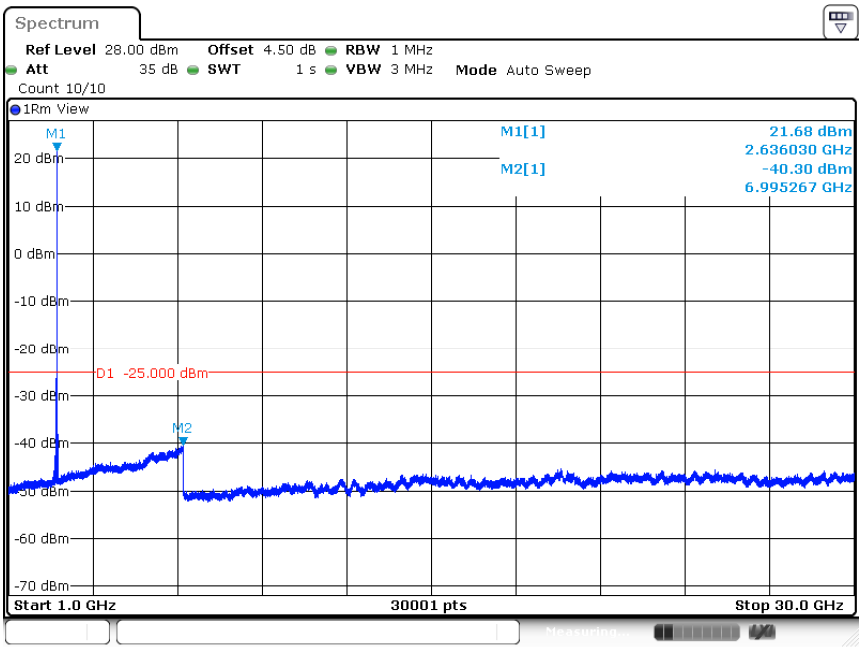
Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~30000MHz


Date: 4.SEP.2020 09:50:57

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.4423	-73.88	-25.00	48.88	Vertical
115.9463	-65.32	-25.00	40.32	Vertical
476.9498	-67.73	-25.00	42.73	Vertical
2173.0346	-40.40	-25.00	15.40	Vertical
7608.1536	-54.85	-25.00	29.85	Vertical
17996.9999	-40.01	-25.00	15.01	Vertical
43.2412	-63.95	-25.00	38.95	Horizontal
231.2851	-68.67	-25.00	43.67	Horizontal
510.5135	-66.50	-25.00	41.50	Horizontal
5072.5691	-61.60	-25.00	36.60	Horizontal
11298.2766	-52.24	-25.00	27.24	Horizontal
16400.9467	-44.07	-25.00	19.07	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
120.3600	-66.30	-25.00	41.30	Vertical
611.4471	-64.88	-25.00	39.88	Vertical
1538.9078	-46.16	-25.00	21.16	Vertical
3722.0241	-62.19	-25.00	37.19	Vertical
11260.2753	-52.06	-25.00	27.06	Vertical
17958.9986	-41.97	-25.00	16.97	Vertical
42.0286	-64.00	-25.00	39.00	Horizontal
767.9644	-61.82	-25.00	36.82	Horizontal
1604.9210	-44.16	-25.00	19.16	Horizontal
6562.6188	-58.36	-25.00	33.36	Horizontal
10602.7534	-51.63	-25.00	26.63	Horizontal
16377.4459	-43.85	-25.00	18.85	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.2116	-66.07	-25.00	41.07	Vertical
585.7893	-64.90	-25.00	39.90	Vertical
2287.0574	-39.92	-25.00	14.92	Vertical
7365.1455	-55.98	-25.00	30.98	Vertical
14497.8833	-47.52	-25.00	22.52	Vertical
17986.9996	-40.28	-25.00	15.28	Vertical
35.3353	-64.89	-25.00	39.89	Horizontal
232.1581	-67.93	-25.00	42.93	Horizontal
2163.8328	-40.01	-25.00	15.01	Horizontal
3734.0245	-61.01	-25.00	36.01	Horizontal
7477.6493	-55.53	-25.00	30.53	Horizontal
16369.9457	-43.74	-25.00	18.74	Horizontal

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 [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	-3.70	-0.001454	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	-1.10	-0.000432	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	-5.20	-0.002043	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-4.60	-0.001773	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-6.50	-0.002505	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	-3.30	-0.001248	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	-4.70	-0.001847	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	-2.00	-0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-1.40	-0.000550	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	-7.80	-0.003006	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	-7.60	-0.002929	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	-2.80	-0.001059	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	-2.10	-0.000825	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-5.50	-0.002119	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-9.00	-0.003468	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-3.20	-0.001210	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-1.90	-0.000718	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	-3.00	-0.001134	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	NV	-30	-2.70	-0.001061	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	-3.70	-0.001454	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-10	-2.50	-0.000982	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-2.60	-0.001022	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	-5.40	-0.002122	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	-2.60	-0.001022	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	-4.80	-0.001886	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-1.50	-0.000589	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-10.40	-0.004008	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-10	-4.80	-0.001850	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-8.30	-0.003198	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-6.90	-0.002659	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	-7.00	-0.002697	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-4.40	-0.001696	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-9.20	-0.003545	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-6.10	-0.002351	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	-0.10	-0.000038	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-10	-0.10	-0.000038	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-2.20	-0.000832	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	-2.30	-0.000870	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	-1.60	-0.000605	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	-3.00	-0.001134	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	0.20	0.000079	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-10	-2.00	-0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	0.80	0.000314	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	-3.80	-0.001493	±2.5	PASS

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Band41	20MHz	64QAM	40140	100RB#0	NV	40	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	50	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	-5.00	-0.001927	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-10	-6.60	-0.002543	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-8.10	-0.003121	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-9.40	-0.003622	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	-7.80	-0.003006	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-8.80	-0.003391	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	40	-9.30	-0.003584	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	-8.70	-0.003353	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-3.40	-0.001285	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-10	-4.80	-0.001815	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	2.50	0.000945	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	1.20	0.000454	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	-0.80	-0.000302	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	-1.60	-0.000605	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	-0.50	-0.000196	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-10	-2.90	-0.001139	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-3.80	-0.001493	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	-1.70	-0.000668	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-4.10	-0.001611	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	30	-5.10	-0.002004	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	-3.20	-0.001257	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	-3.50	-0.001375	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-9.50	-0.003661	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-10	-7.30	-0.002813	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	-10.70	-0.004123	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-11.10	-0.004277	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-6.80	-0.002620	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-8.30	-0.003198	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-8.40	-0.003237	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	-8.00	-0.003083	±2.5	PASS

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Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-4.20	-0.001588	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	0.20	0.000076	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-10	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-2.20	-0.000832	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	-2.80	-0.001059	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	-1.20	-0.000454	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	-1.30	-0.000491	±2.5	PASS

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