



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	39675	1RB#0	26.21	27.73	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.21	27.73	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.19	27.71	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	25.16	26.68	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	25.15	26.67	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	25.15	26.67	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.15	26.67	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.12	27.64	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.15	27.67	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.08	27.6	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	25.03	26.55	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	25.09	26.61	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	25.07	26.59	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.08	26.6	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.94	27.46	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.77	27.29	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.94	27.46	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	24.78	26.3	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	24.88	26.4	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	24.90	26.42	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.85	26.37	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.41	25.93	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.39	25.91	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.44	25.96	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	23.19	24.71	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	23.16	24.68	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	23.18	24.7	33.00	PASS



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Band41	5MHz	64QAM	39675	25RB#0	23.20	24.72	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.36	25.88	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.36	25.88	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.30	25.82	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	23.08	24.6	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	23.03	24.55	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	23.05	24.57	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.11	24.63	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.06	25.58	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.22	25.74	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.19	25.71	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	22.86	24.38	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#6	22.92	24.44	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	22.95	24.47	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.96	24.48	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.42	22.94	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.38	22.9	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.37	22.89	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#6	21.46	22.98	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#13	21.43	22.95	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#0	21.46	22.98	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.48	23	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.32	22.84	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	21.38	22.9	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.37	22.89	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#0	21.47	22.99	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#6	21.44	22.96	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#13	21.42	22.94	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	21.49	23.01	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.19	22.71	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.22	22.74	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.22	22.74	33.00	PASS
Band41	5MHz	256QAM	41565	12RB#13	21.27	22.79	33.00	PASS



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Band41	5MHz	256QAM	41565	12RB#6	21.32	22.84	33.00	PASS
Band41	5MHz	256QAM	41565	12RB#0	21.35	22.87	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	21.33	22.85	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.45	26.97	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.41	26.93	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.44	26.96	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	24.21	25.73	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	24.18	25.7	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	24.19	25.71	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.17	25.69	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.38	26.9	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.34	26.86	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.35	26.87	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	24.11	25.63	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	24.08	25.6	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	24.05	25.57	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.03	25.55	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.17	26.69	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.17	26.69	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.01	26.53	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	23.86	25.38	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	23.92	25.44	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	23.94	25.46	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.85	25.37	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.24	27.76	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.25	27.77	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.10	27.62	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	25.19	26.71	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	25.22	26.74	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	25.20	26.72	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.25	26.77	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.07	27.59	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.13	27.65	33.00	PASS



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Band41	10MHz	QPSK	40620	1RB#0	26.14	27.66	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	25.09	26.61	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	25.08	26.6	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	25.04	26.56	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.10	26.62	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.95	27.47	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.75	27.27	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.95	27.47	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	24.93	26.45	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	24.85	26.37	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	24.93	26.45	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.94	26.46	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.48	26	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.61	26.13	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.54	26.06	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	23.25	24.77	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	23.25	24.77	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	23.25	24.77	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.22	24.74	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.39	25.91	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.37	25.89	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.30	25.82	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	23.11	24.63	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	23.07	24.59	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	23.13	24.65	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.08	24.6	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.27	25.79	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.29	25.81	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.12	25.64	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	22.95	24.47	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	23.01	24.53	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	22.99	24.51	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.94	24.46	33.00	PASS



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Band41	10MHz	256QAM	39700	1RB#0	21.32	22.84	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.39	22.91	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.43	22.95	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#25	21.48	23	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#12	21.46	22.98	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#0	21.46	22.98	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.52	23.04	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#49	21.27	22.79	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	21.36	22.88	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	21.39	22.91	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#0	21.49	23.01	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#12	21.46	22.98	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#25	21.45	22.97	33.00	PASS
Band41	10MHz	256QAM	40620	50RB#0	21.55	23.07	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	21.22	22.74	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.17	22.69	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.27	22.79	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#12	21.38	22.9	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#25	21.34	22.86	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#0	21.36	22.88	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	21.41	22.93	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.52	27.04	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.54	27.06	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.48	27	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	24.18	25.7	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	24.18	25.7	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	24.18	25.7	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.27	25.79	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.38	26.9	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.33	26.85	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.39	26.91	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	24.03	25.55	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	23.99	25.51	33.00	PASS



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Band41	10MHz	16QAM	40620	25RB#0	24.05	25.57	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.10	25.62	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.23	26.75	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.21	26.73	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.01	26.53	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	23.93	25.45	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	23.89	25.41	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	23.83	25.35	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.96	25.48	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.24	27.76	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.14	27.66	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.10	27.62	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	25.20	26.72	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	25.26	26.78	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	25.23	26.75	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.22	26.74	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.97	27.49	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.10	27.62	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.09	27.61	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	25.06	26.58	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	25.03	26.55	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	24.99	26.51	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.09	26.61	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.63	27.15	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.91	27.43	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.90	27.42	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	24.92	26.44	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	24.82	26.34	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	24.88	26.4	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.90	26.42	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.58	26.1	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.44	25.96	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.49	26.01	33.00	PASS



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Band41	15MHz	64QAM	39725	36RB#39	23.19	24.71	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	23.17	24.69	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	23.24	24.76	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.22	24.74	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.37	25.89	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.33	25.85	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.26	25.78	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	23.03	24.55	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	23.00	24.52	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	22.97	24.49	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.06	24.58	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.07	25.59	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.21	25.73	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.27	25.79	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	22.92	24.44	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	22.91	24.43	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	22.86	24.38	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.94	24.46	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.44	22.96	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.34	22.86	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.34	22.86	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#39	21.42	22.94	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#0	21.43	22.95	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#18	21.47	22.99	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	21.48	23	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.35	22.87	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.40	22.92	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.24	22.76	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#0	21.42	22.94	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#18	21.41	22.93	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#39	21.39	22.91	33.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	21.45	22.97	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	21.13	22.65	33.00	PASS



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Band41	15MHz	256QAM	41515	1RB#0	21.24	22.76	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	21.24	22.76	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#39	21.28	22.8	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#18	21.28	22.8	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#0	21.33	22.85	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	21.32	22.84	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.45	26.97	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.57	27.09	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.46	26.98	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	24.30	25.82	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	24.28	25.8	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	24.25	25.77	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.21	25.73	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.38	26.9	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.25	26.77	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.36	26.88	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	24.05	25.57	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	24.02	25.54	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#0	24.10	25.62	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.06	25.58	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.22	26.74	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.23	26.75	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.96	26.48	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	23.91	25.43	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	23.89	25.41	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	23.97	25.49	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.94	25.46	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.99	27.51	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.26	27.78	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.08	27.6	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	25.26	26.78	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#25	25.29	26.81	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	25.23	26.75	33.00	PASS



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Band41	20MHz	QPSK	39750	100RB#0	25.19	26.71	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.12	27.64	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.89	27.41	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.08	27.6	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	25.13	26.65	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	25.09	26.61	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	25.01	26.53	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.07	26.59	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.96	27.48	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.93	27.45	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.61	27.13	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.96	26.48	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.96	26.48	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	24.86	26.38	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.92	26.44	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.40	25.92	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.61	26.13	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.43	25.95	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	23.20	24.72	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	23.27	24.79	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	23.22	24.74	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.17	24.69	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.16	25.68	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.37	25.89	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.34	25.86	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	23.00	24.52	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	23.10	24.62	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	23.08	24.6	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.03	24.55	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.26	25.78	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.02	25.54	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.27	25.79	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	22.99	24.51	33.00	PASS



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Band41	20MHz	64QAM	41490	50RB#0	22.94	24.46	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	22.88	24.4	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.92	24.44	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	21.31	22.83	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.33	22.85	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.43	22.95	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#50	21.52	23.04	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#25	21.55	23.07	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#0	21.54	23.06	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	21.45	22.97	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.29	22.81	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.37	22.89	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.19	22.71	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#0	21.56	23.08	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#25	21.55	23.07	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#50	21.45	22.97	33.00	PASS
Band41	20MHz	256QAM	40620	100RB#0	21.42	22.94	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	21.25	22.77	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	21.06	22.58	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.16	22.68	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#0	21.44	22.96	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#50	21.37	22.89	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#25	21.44	22.96	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	21.33	22.85	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.56	27.08	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.38	26.9	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.41	26.93	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	24.33	25.85	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	24.24	25.76	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	24.28	25.8	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.23	25.75	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.34	26.86	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.37	26.89	33.00	PASS



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Band41	20MHz	16QAM	40620	1RB#99	25.12	26.64	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	24.02	25.54	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	24.14	25.66	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	24.10	25.62	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.11	25.63	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.25	26.77	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.20	26.72	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.91	26.43	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	24.00	25.52	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	23.98	25.5	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	23.90	25.42	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.96	25.48	33.00	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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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	39750	100RB#0	6.03	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.28	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.52	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	5.68	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.00	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.71	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	6.58	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	8.78	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	8.52	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.67	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.71	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.28	13	PASS

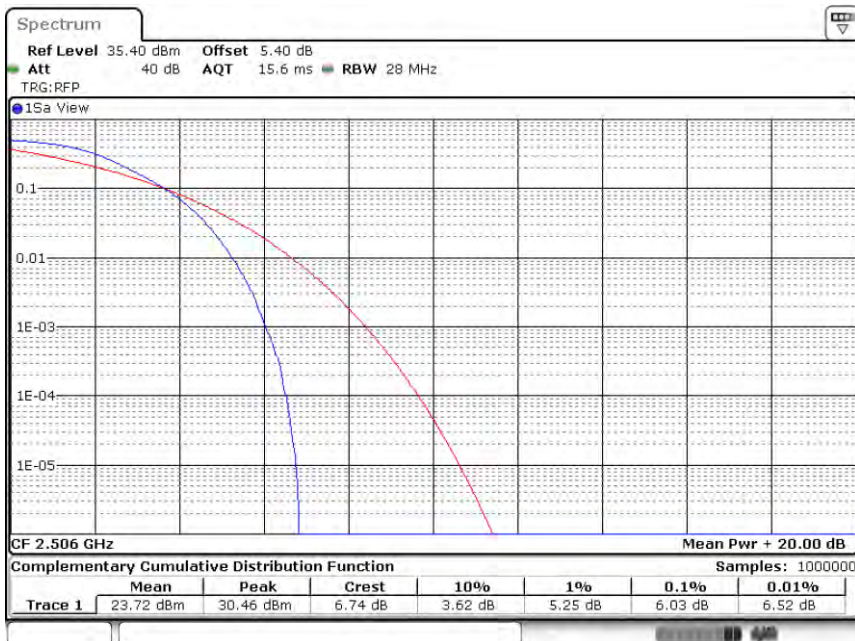


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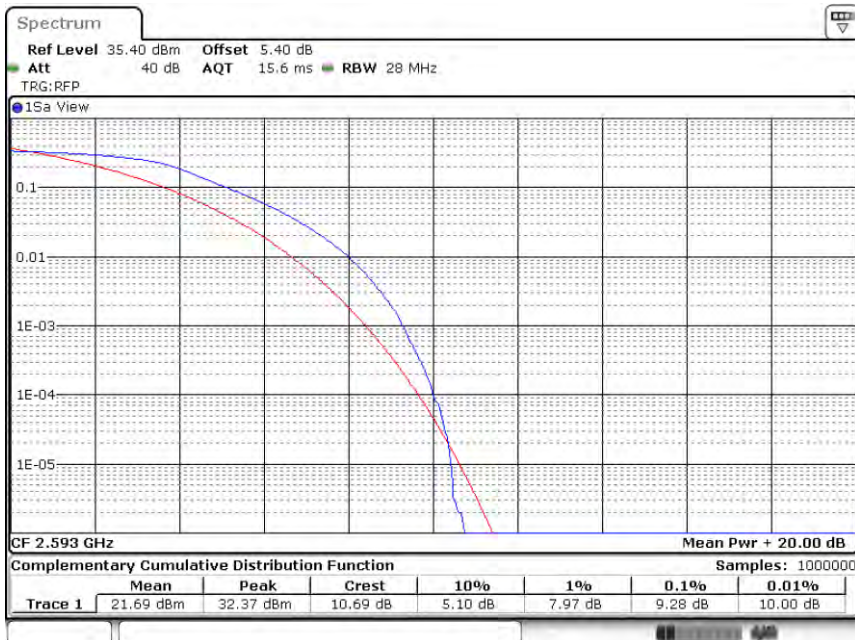
2.2. Test Plots

Band41-20MHz-QPSK-39750-100RB#0



Date: 28.MAY.2021 00:21:08

Band41-20MHz-QPSK-40620-100RB#0

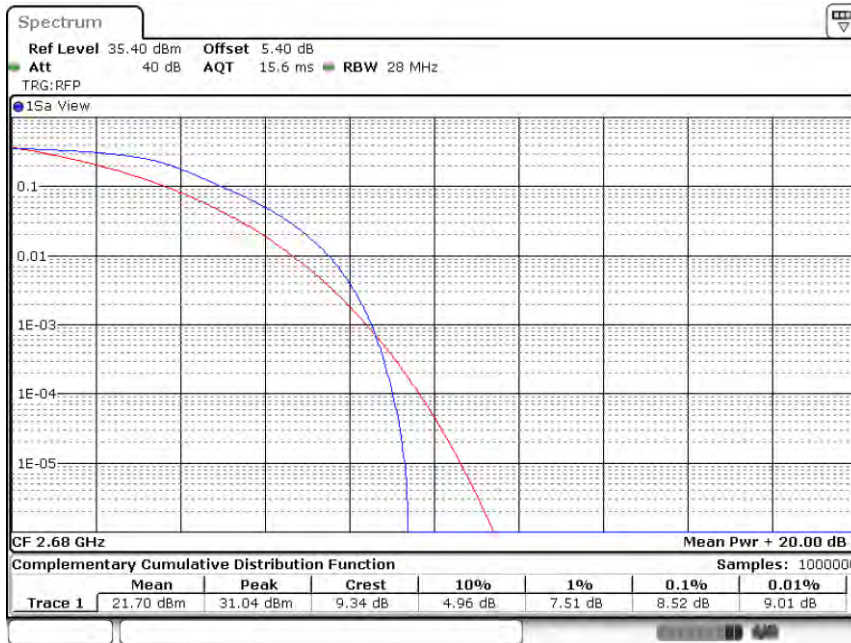


Date: 28.MAY.2021 00:21:31



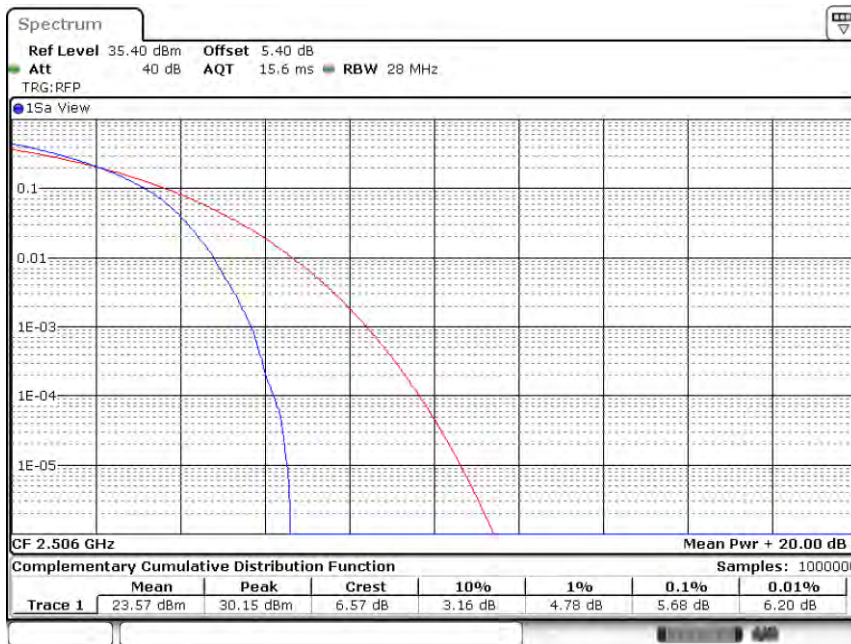
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Band41-20MHz-QPSK-41490-100RB#0



Date: 28.MAY.2021 00:21:54

Band41-20MHz-64QAM-39750-100RB#0

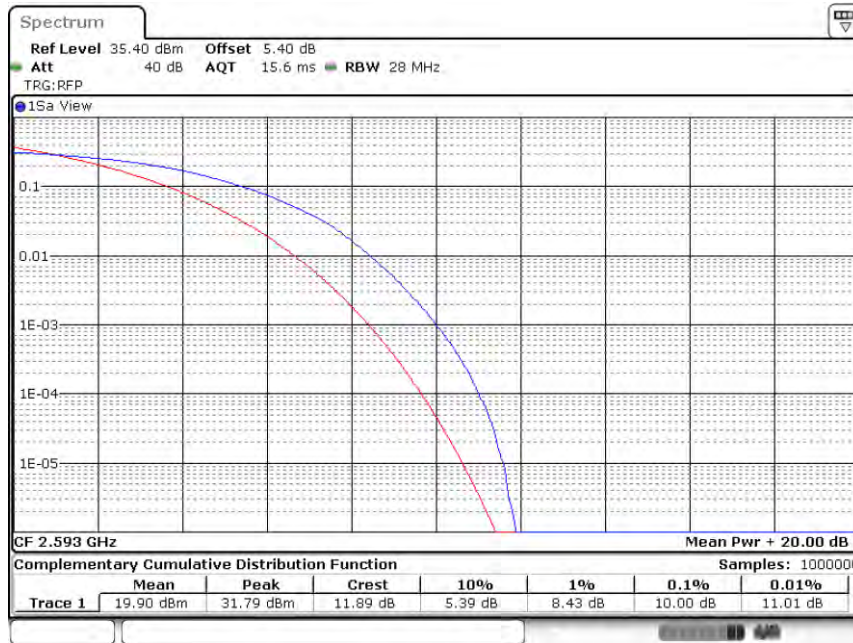


Date: 28.MAY.2021 01:51:44



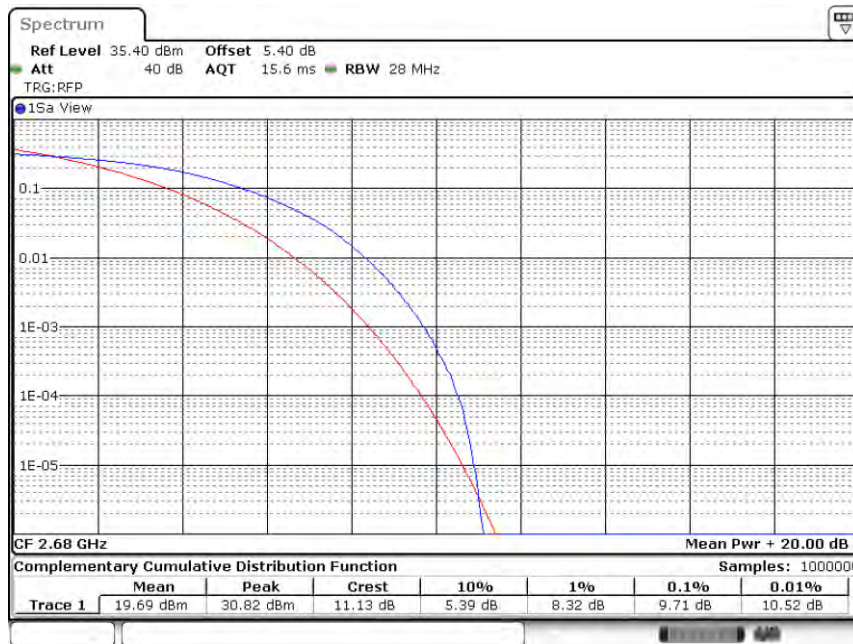
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Band41-20MHz-64QAM-40620-100RB#0



Date: 28.MAY.2021 01:51:56

Band41-20MHz-64QAM-41490-100RB#0

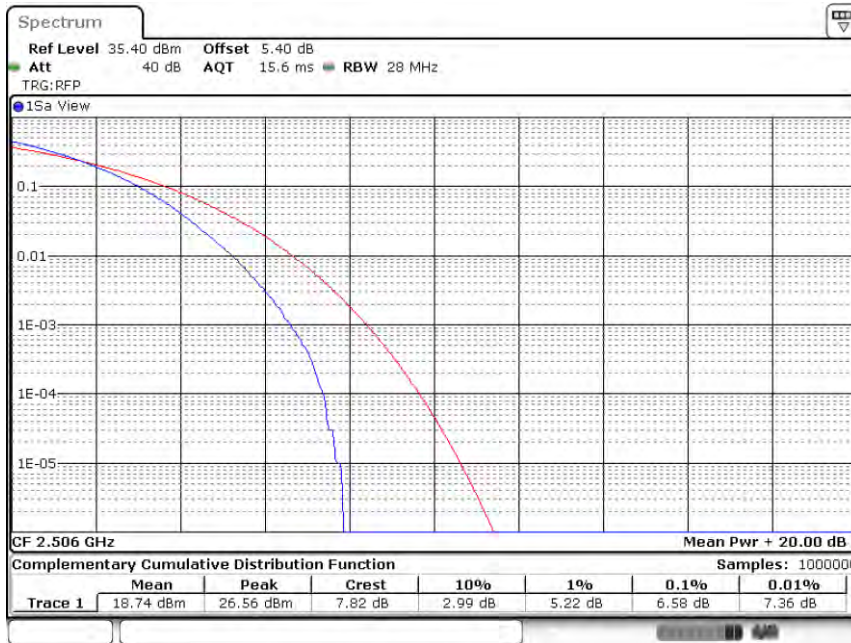


Date: 28.MAY.2021 01:52:07



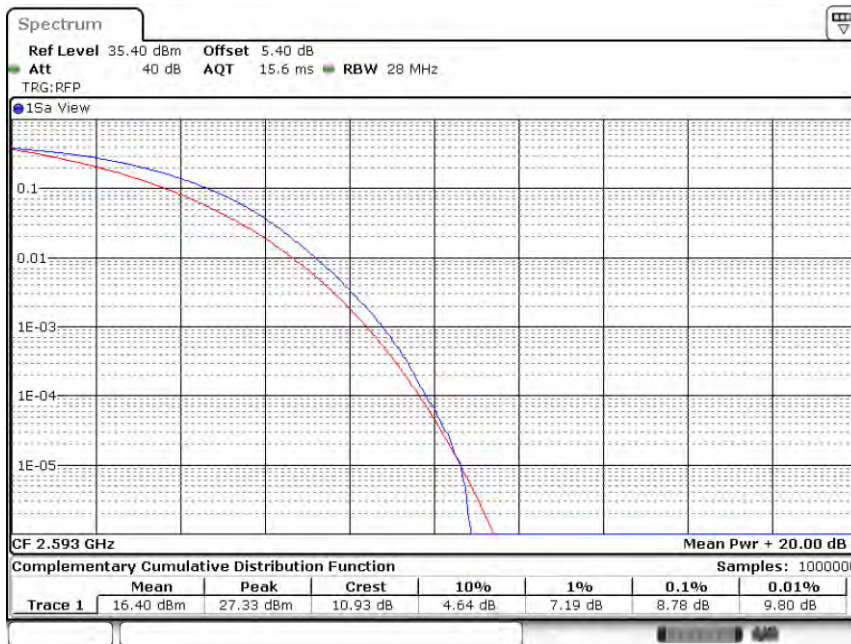
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Band41-20MHz-256QAM-39750-100RB#0



Date: 7.MAY.2021 02:30:17

Band41-20MHz-256QAM-40620-100RB#0

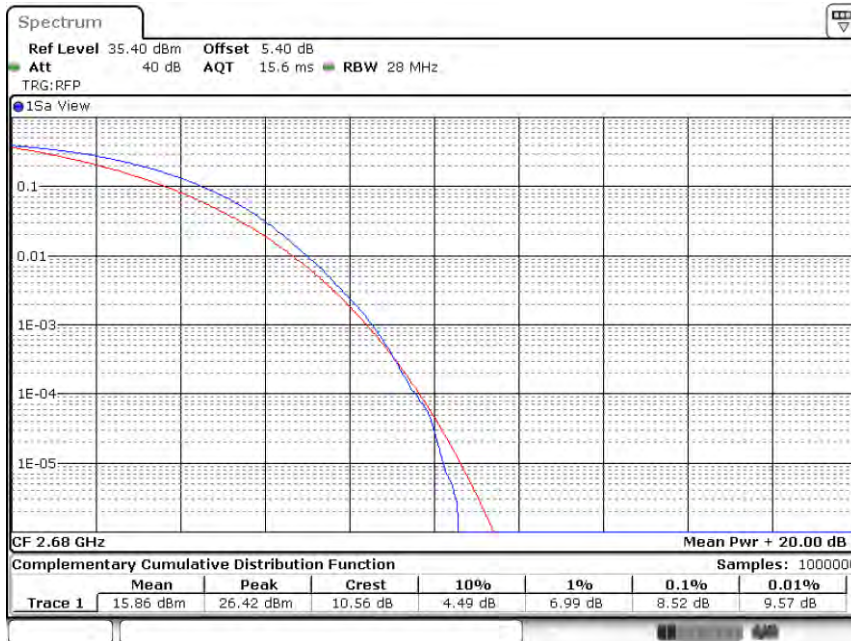


Date: 7.MAY.2021 02:30:28



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Band41-20MHz-256QAM-41490-100RB#0



Date: 7.MAY.2021 02:30:40

Band41-20MHz-16QAM-39750-100RB#0



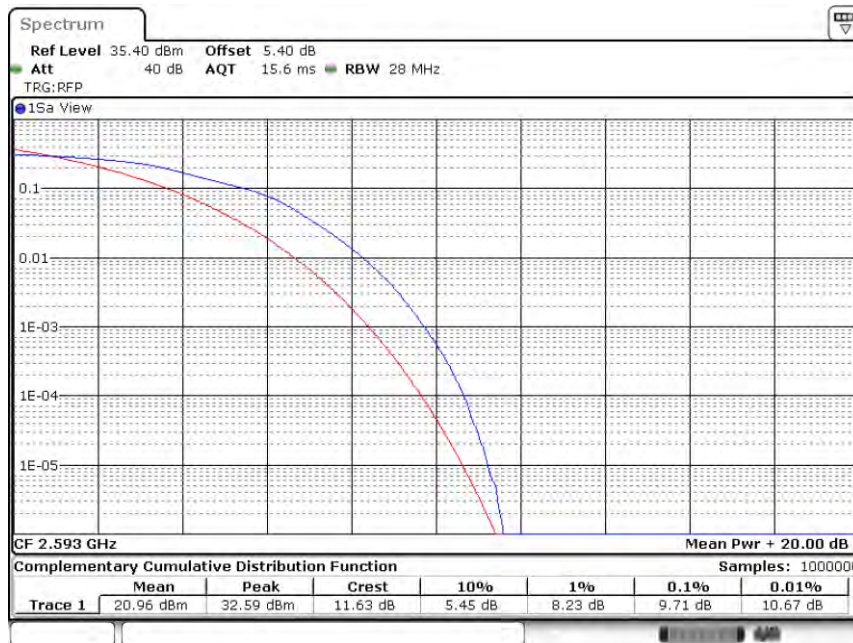
Date: 28.MAY.2021 00:21:20



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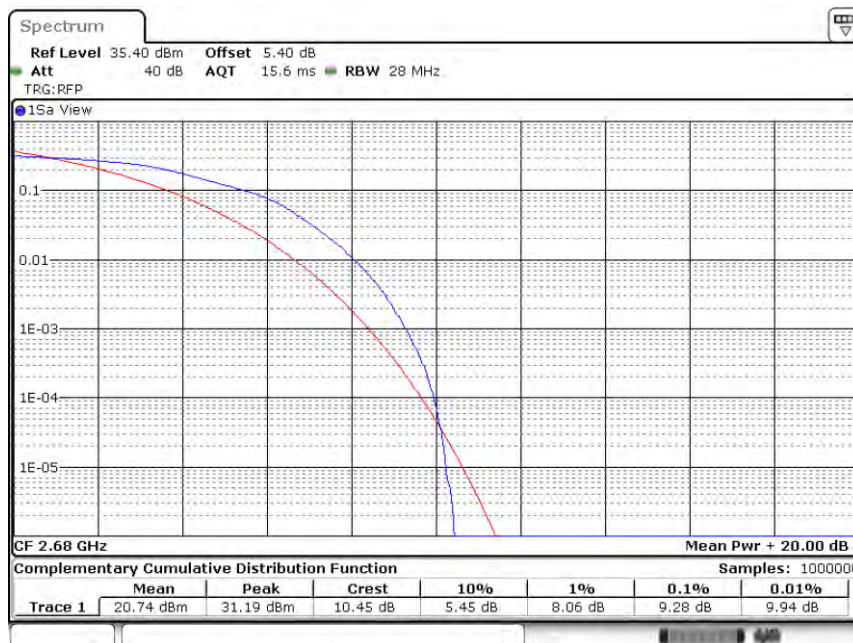


Band41-20MHz-16QAM-40620-100RB#0



Date: 28.MAY.2021 00:21:42

Band41-20MHz-16QAM-41490-100RB#0



Date: 28.MAY.2021 00:22:05

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



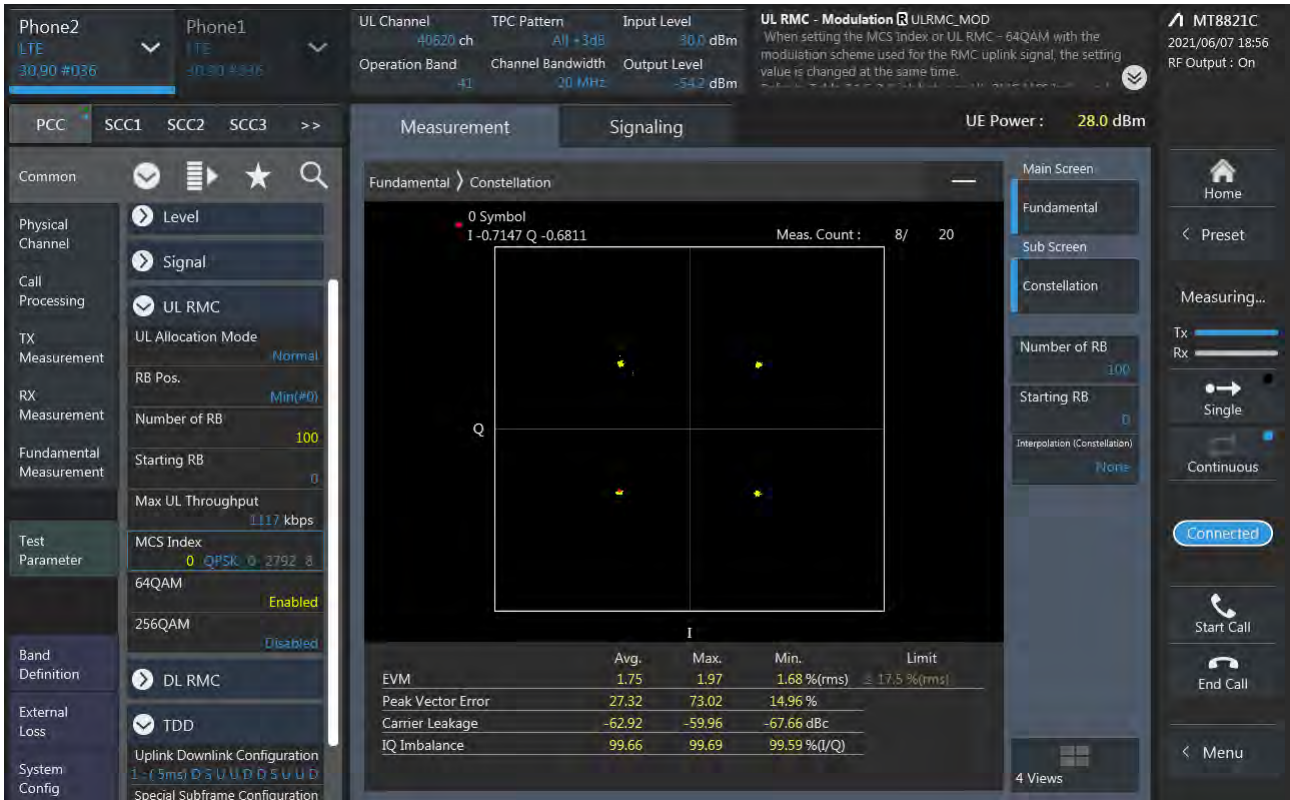
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

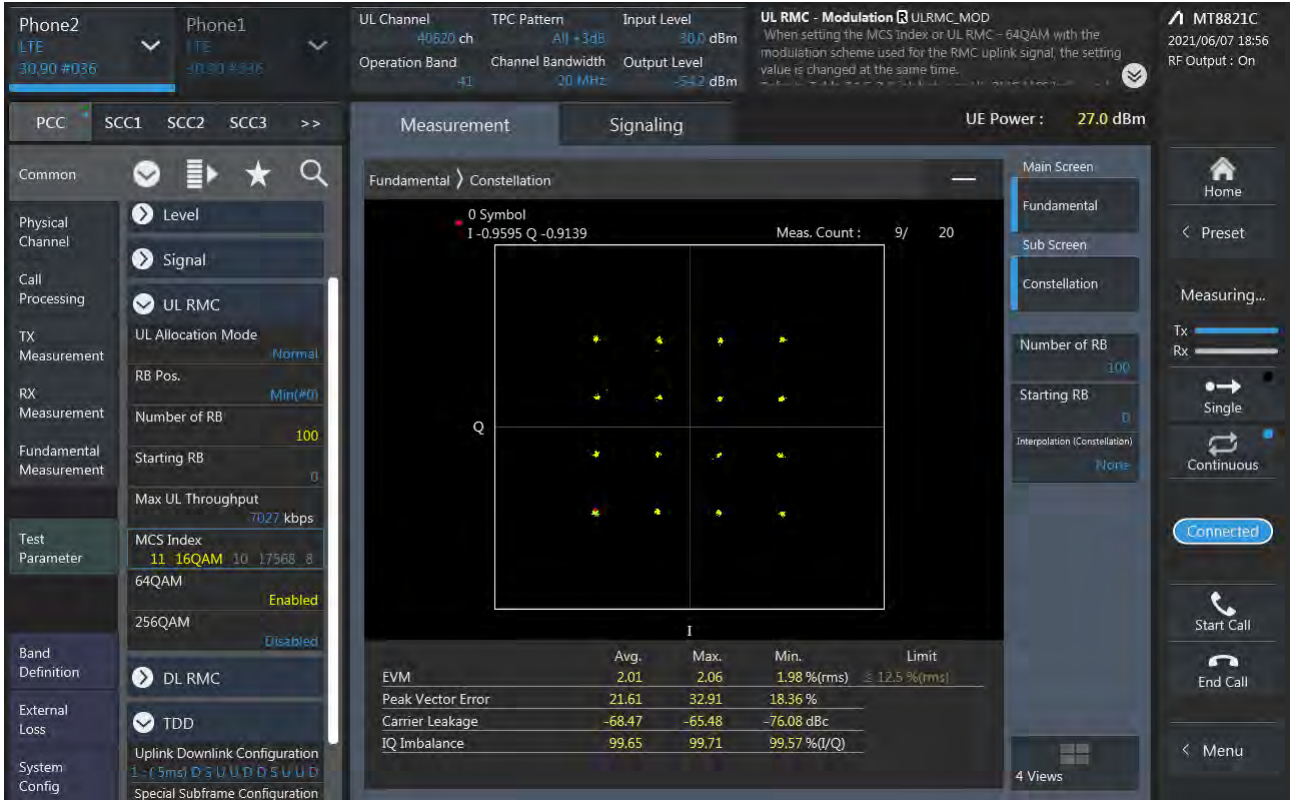
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

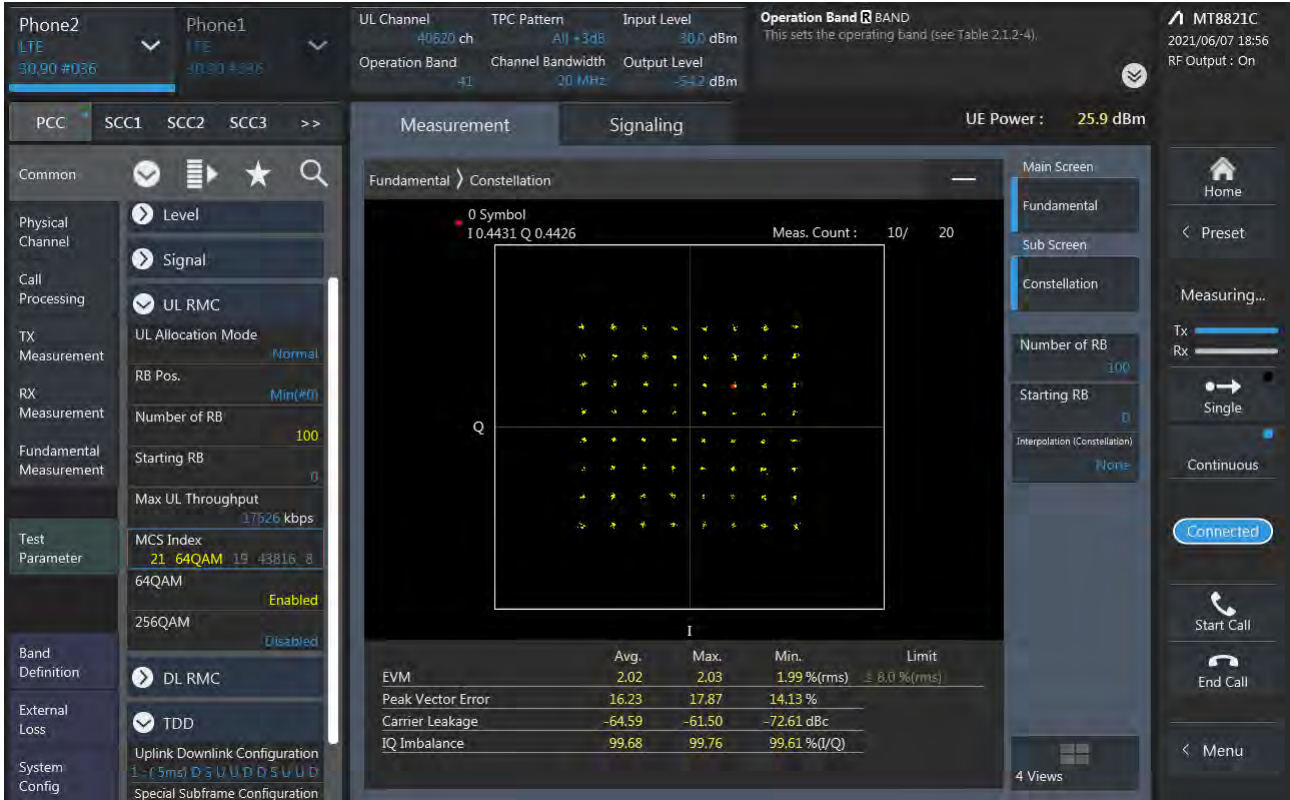


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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH

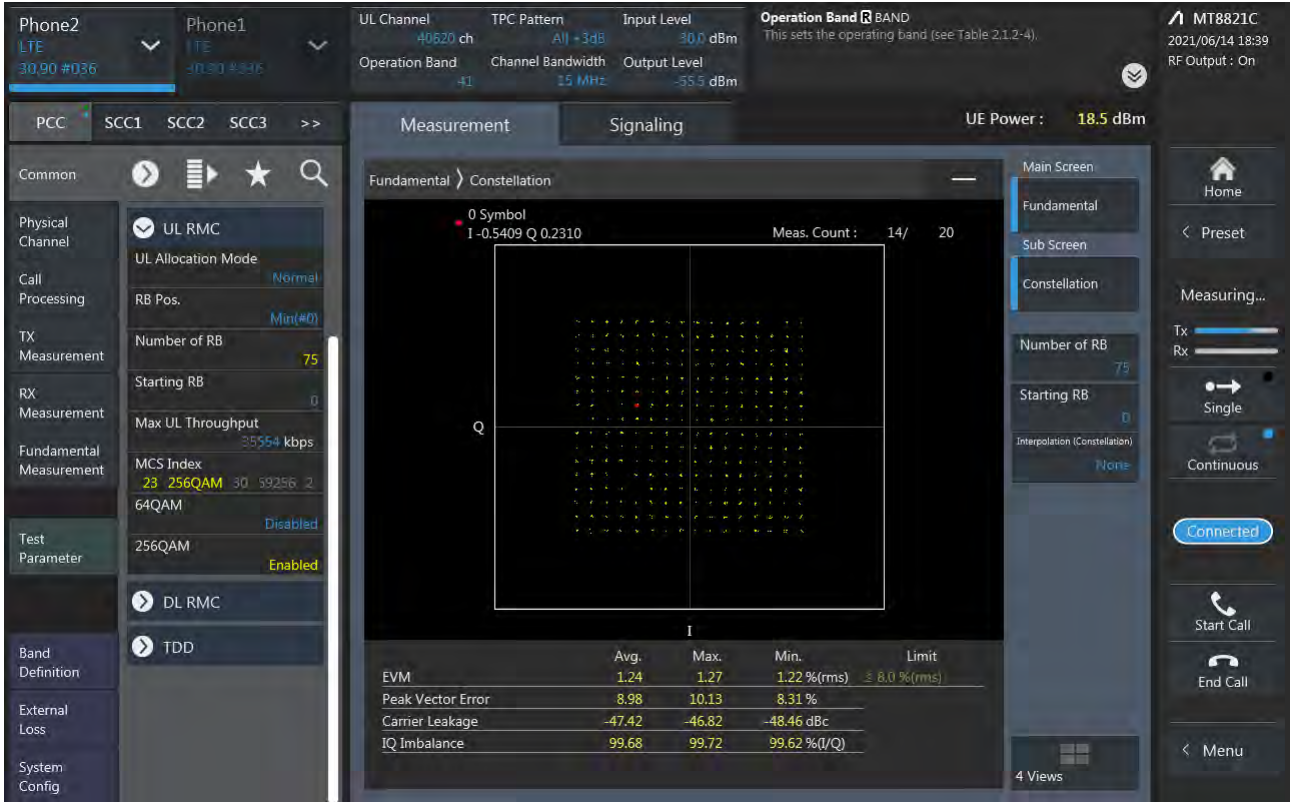


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3.4. Test Mode = LTE /TM4 20MHz

3.4.1. 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	39675	25RB#0	4.476	4.950	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.840	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.840	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.476	4.830	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.486	4.830	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	4.850	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.466	4.850	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.466	4.890	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.466	4.900	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	5.000	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.486	5.010	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.640	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.680	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.580	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.951	9.900	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.931	9.880	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.931	9.900	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.951	9.940	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.951	9.740	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.931	9.740	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.820	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.931	9.760	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.911	9.760	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	15.090	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	15.570	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.457	15.030	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	14.880	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.457	15.060	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.427	14.970	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.487	14.850	PASS



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Band41	15MHz	256QAM	40620	75RB#0	13.487	14.820	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.487	15.390	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.457	14.880	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	15.300	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.457	14.850	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.902	19.640	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	19.880	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.902	19.840	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.862	19.360	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.902	19.640	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.862	19.320	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.862	20.320	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.862	20.160	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.902	20.240	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.862	19.320	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.862	19.360	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	19.480	PASS

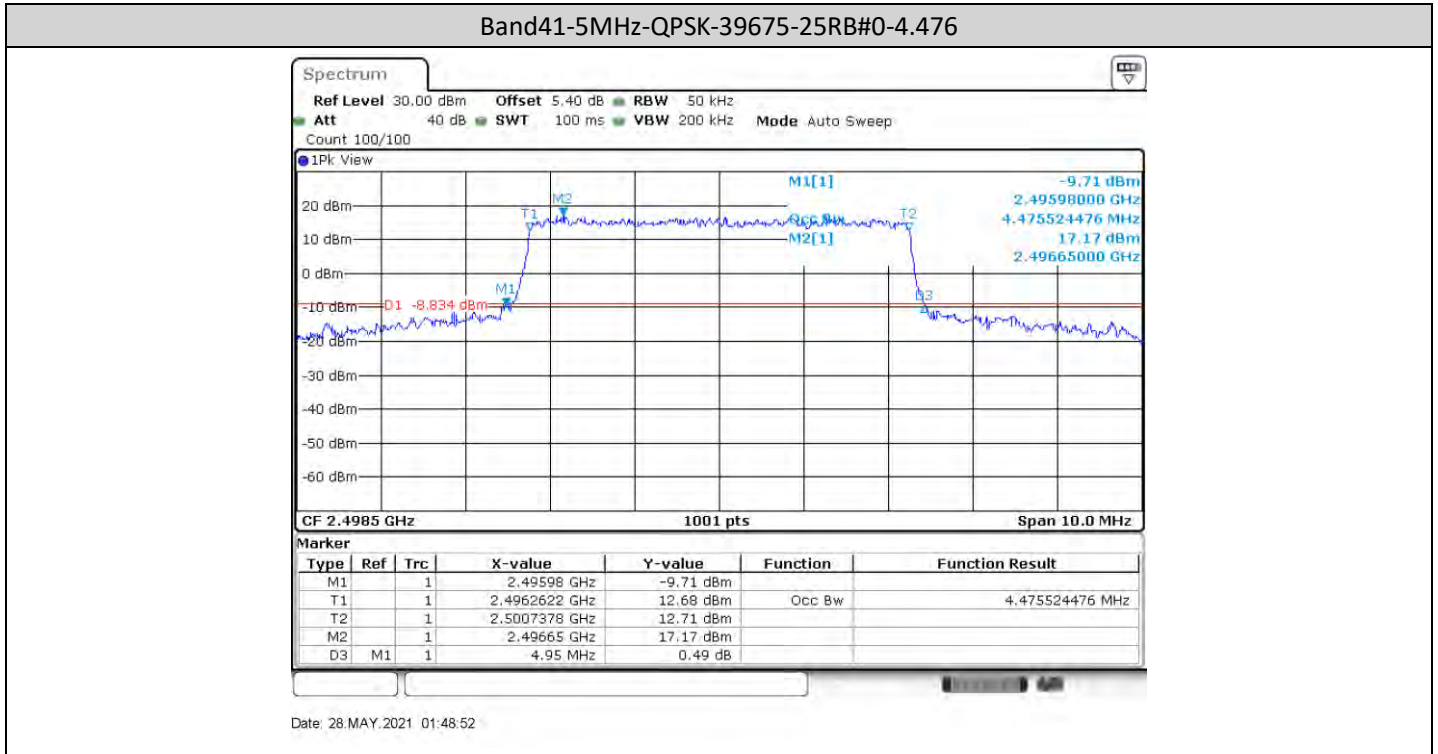


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4.2. Test Plots



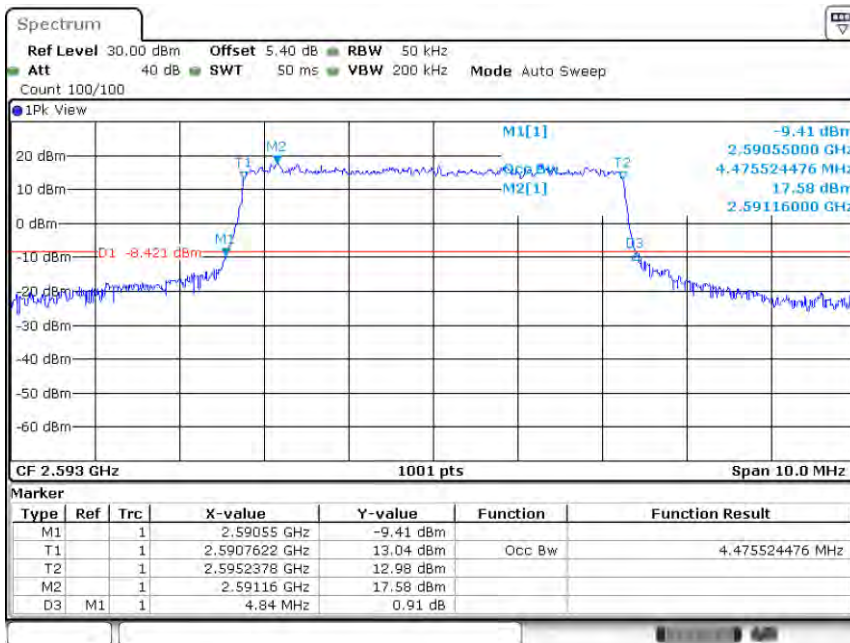
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Shenzhen Branch, 100011901000 Laboratory

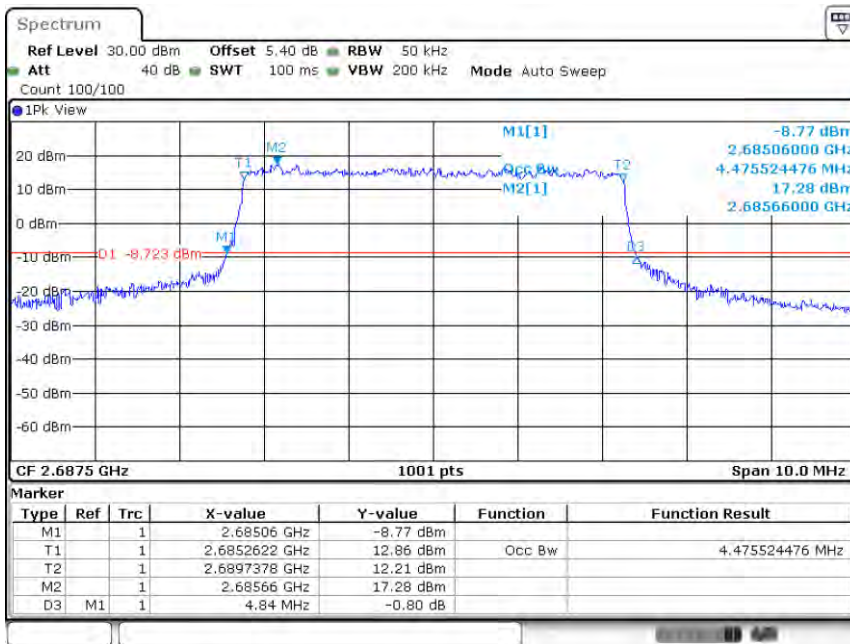
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-5MHz-QPSK-40620-25RB#0-4.476



Date: 28.MAY.2021 01:49:56

Band41-5MHz-QPSK-41565-25RB#0-4.476



Date: 28.MAY.2021 01:51:08



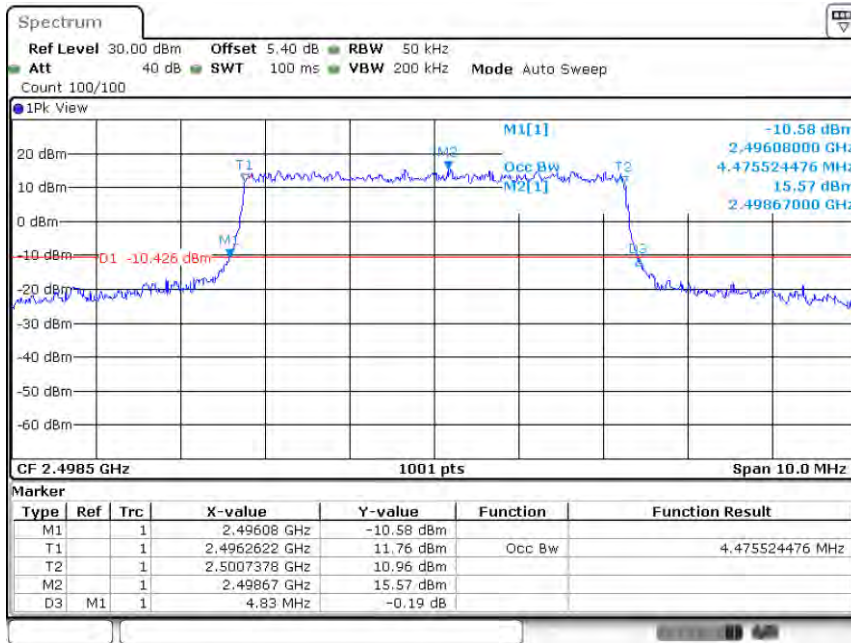
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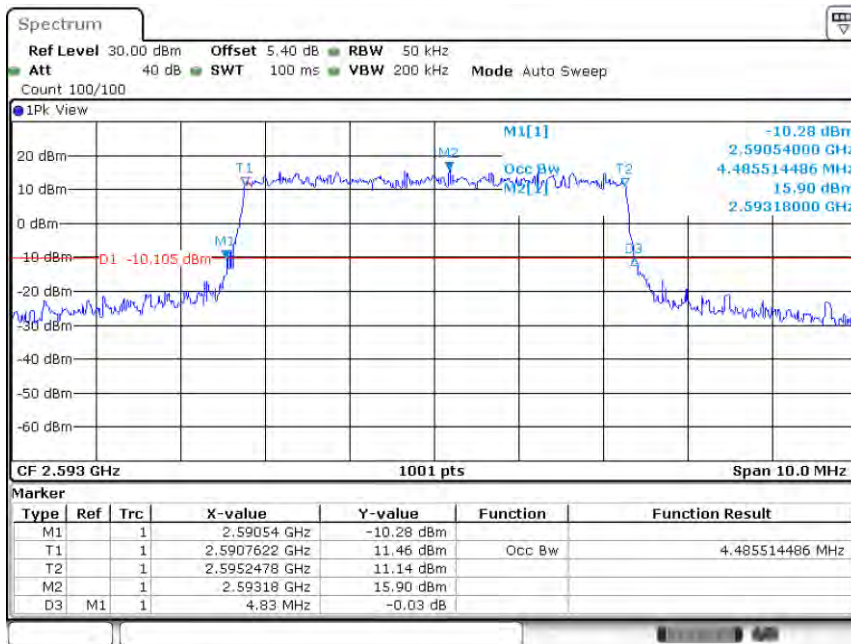


Band41-5MHz-64QAM-39675-25RB#0-4.476



Date: 28.MAY.2021 00:38:50

Band41-5MHz-64QAM-40620-25RB#0-4.486

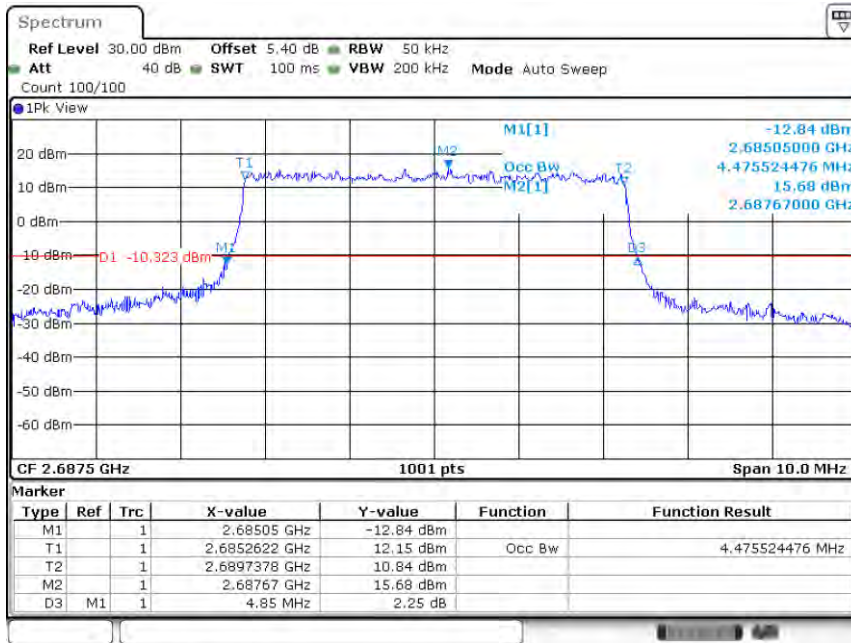


Date: 28.MAY.2021 00:39:10



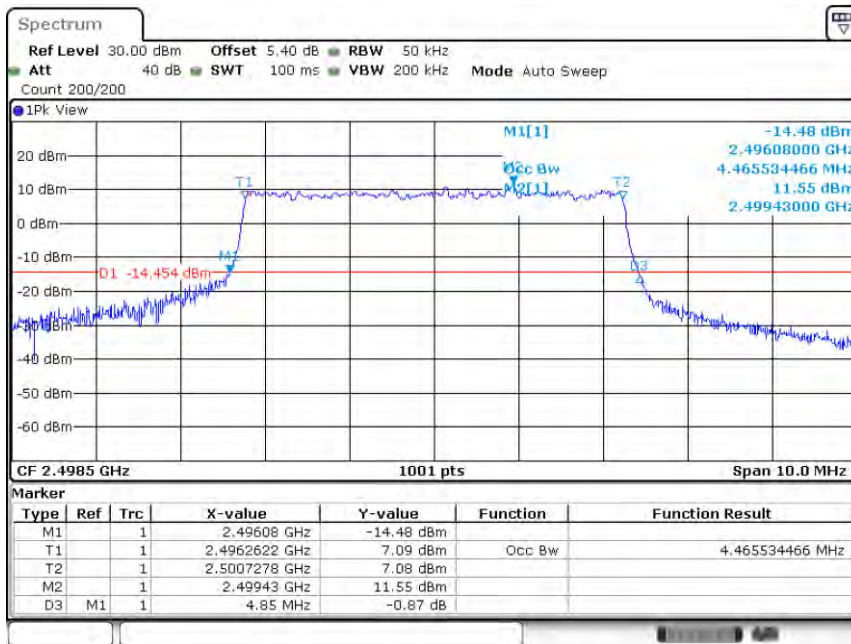
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Band41-5MHz-64QAM-41565-25RB#0-4.476



Date: 28.MAY.2021 00:39:30

Band41-5MHz-256QAM-39675-25RB#0-4.466



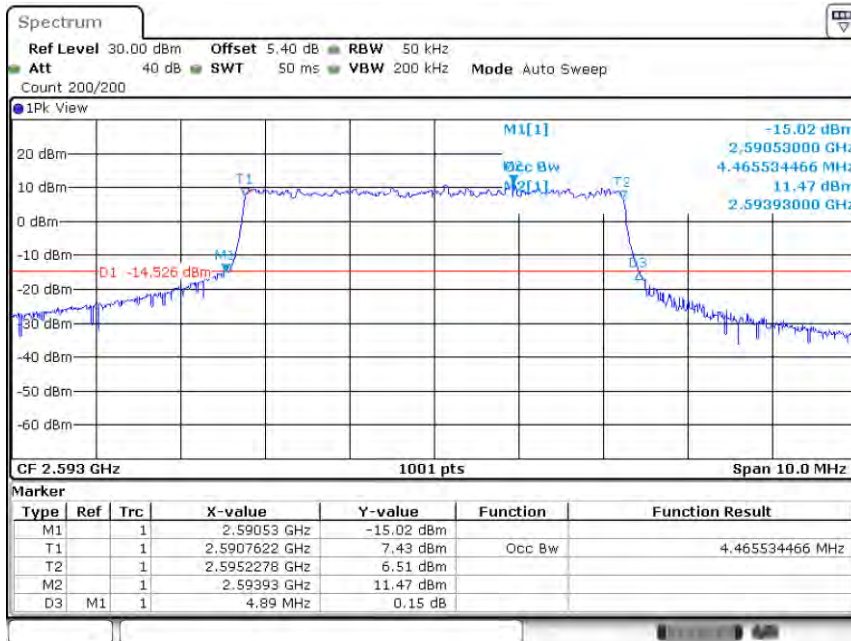
Date: 7.MAY.2021 02:21:25



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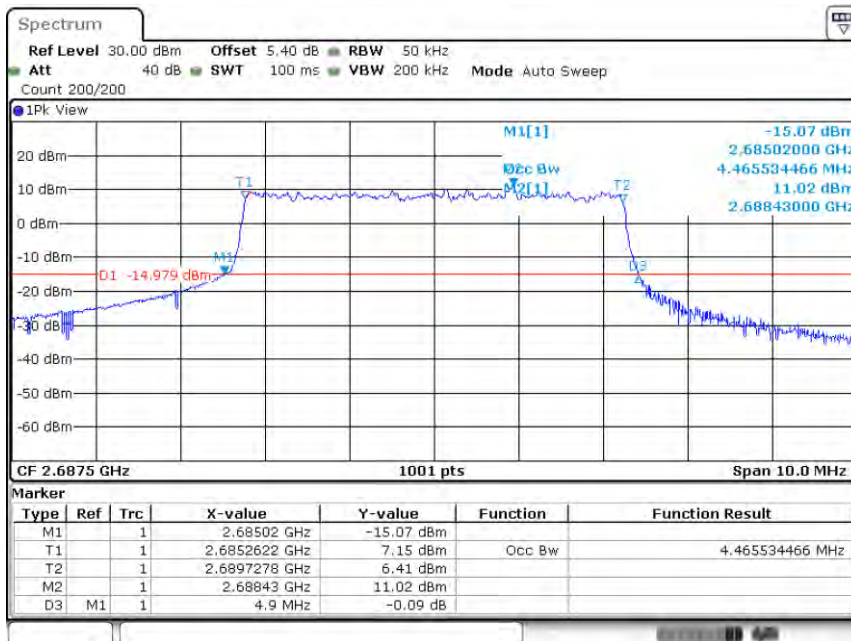


Band41-5MHz-256QAM-40620-25RB#0-4.466



Date: 7.MAY.2021 02:22:52

Band41-5MHz-256QAM-41565-25RB#0-4.466

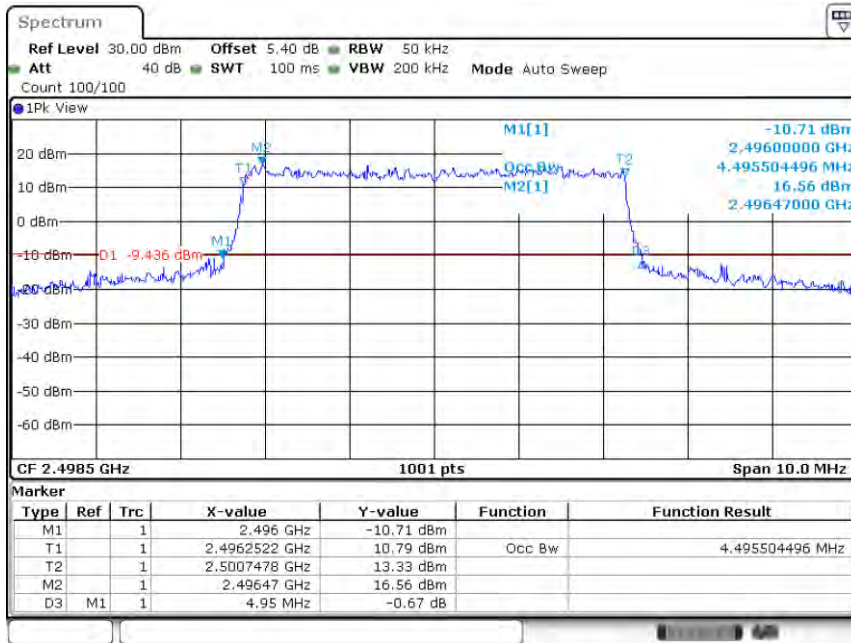


Date: 7.MAY.2021 02:23:45



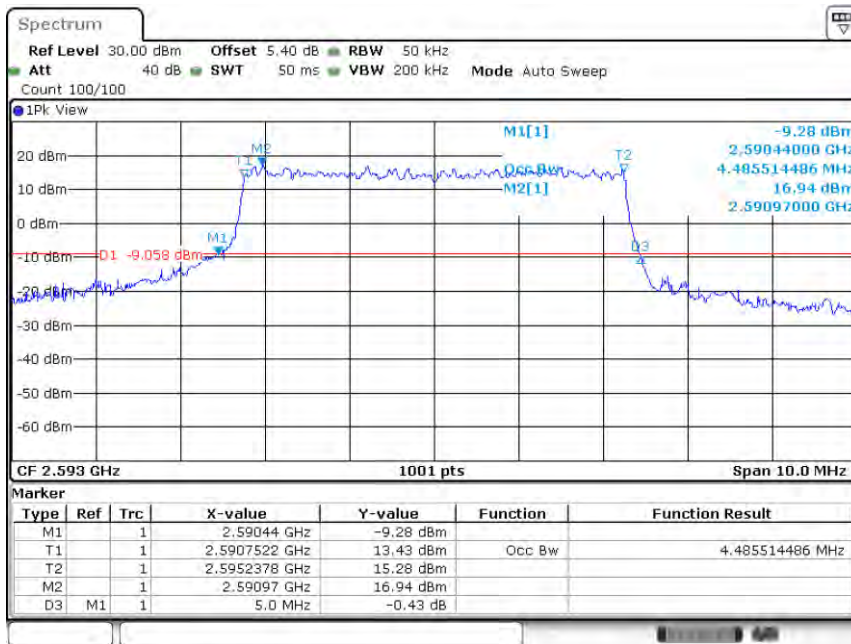
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Band41-5MHz-16QAM-39675-25RB#0-4.496



Date: 28.MAY.2021 01:49:12

Band41-5MHz-16QAM-40620-25RB#0-4.486

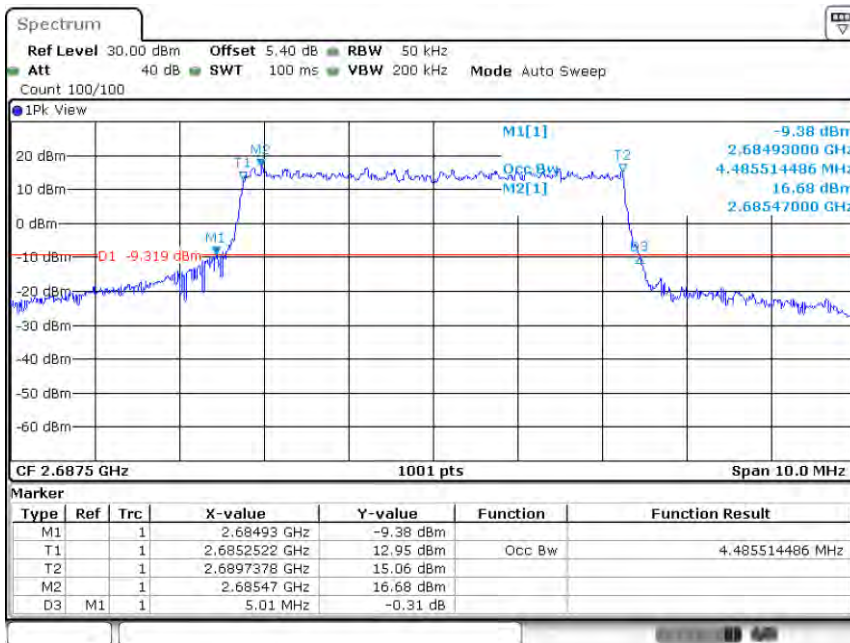


Date: 28.MAY.2021 01:50:47



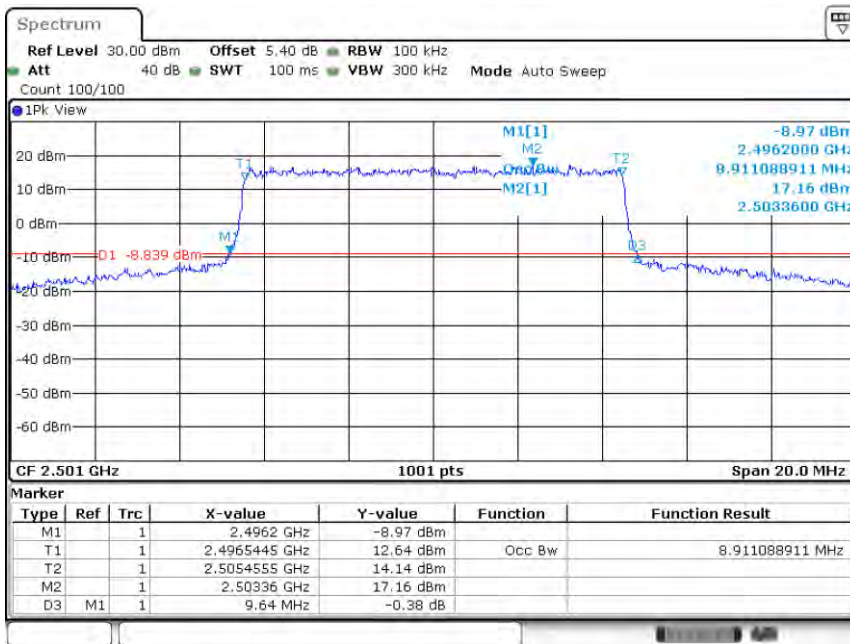
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Band41-5MHz-16QAM-41565-25RB#0-4.486



Date: 28.MAY.2021 01:51:27

Band41-10MHz-QPSK-39700-50RB#0-8.911



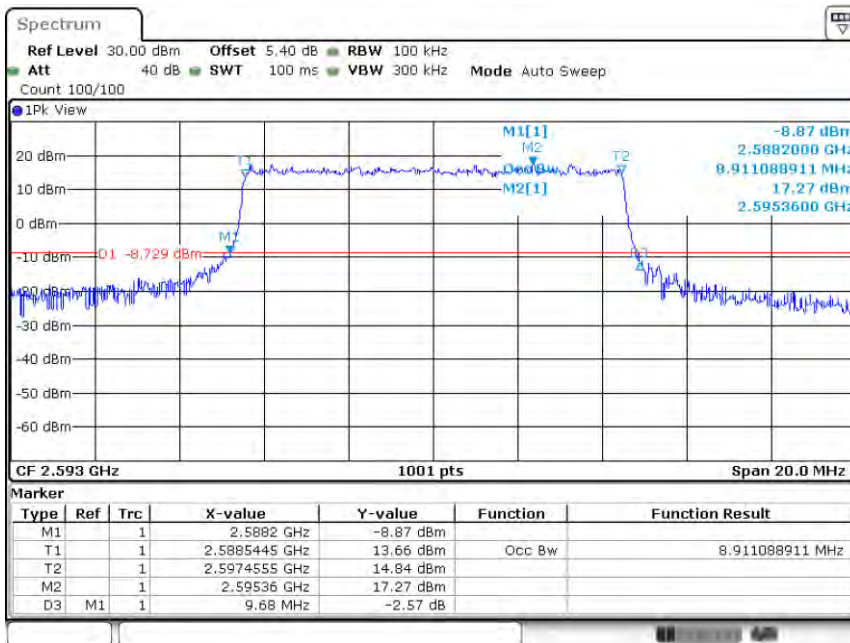
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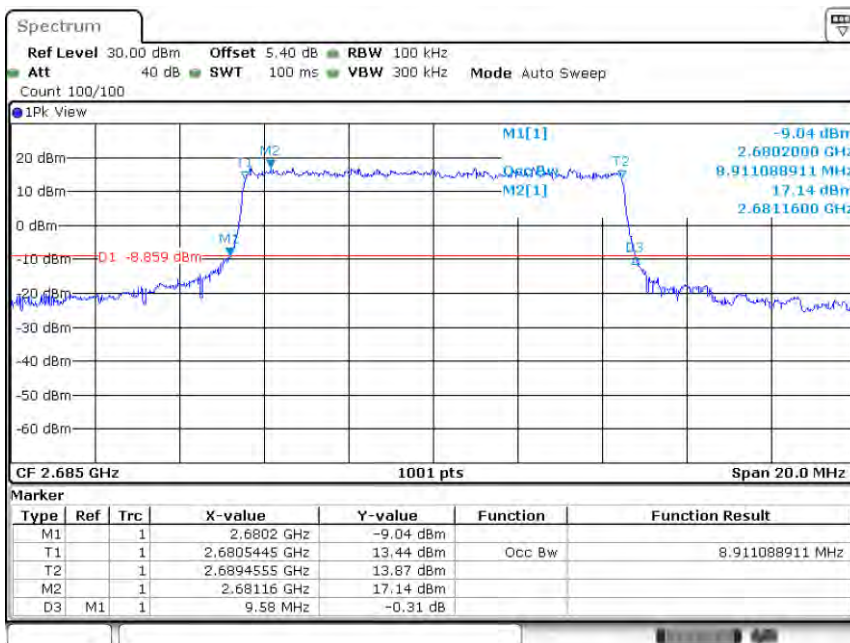


Band41-10MHz-QPSK-40620-50RB#0-8.911



Date: 28.MAY.2021 00:33:17

Band41-10MHz-QPSK-41540-50RB#0-8.911



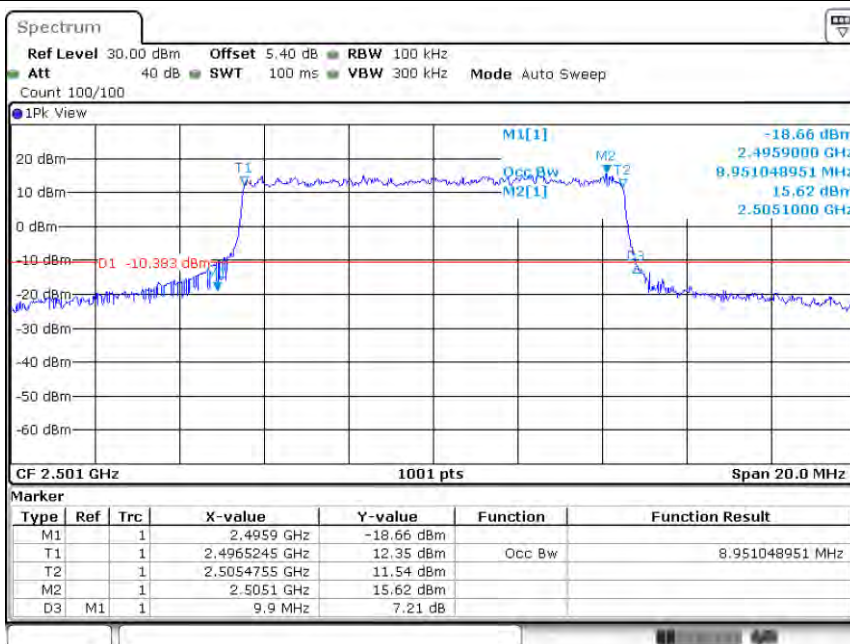
Date: 28.MAY.2021 00:33:57



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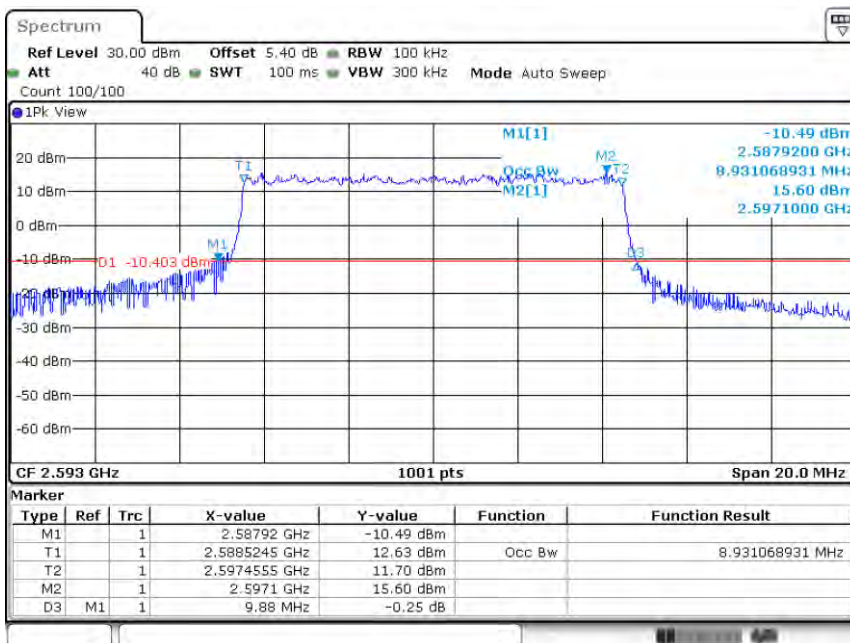


Band41-10MHz-64QAM-39700-50RB#0-8.951



Date: 28 MAY 2021 00:39:56

Band41-10MHz-64QAM-40620-50RB#0-8.931

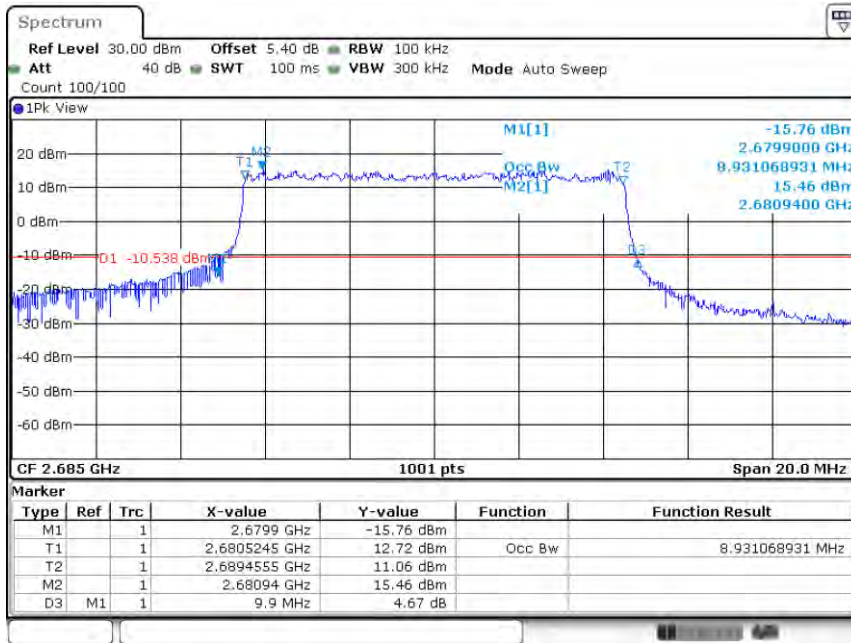


Date: 28 MAY 2021 00:40:16



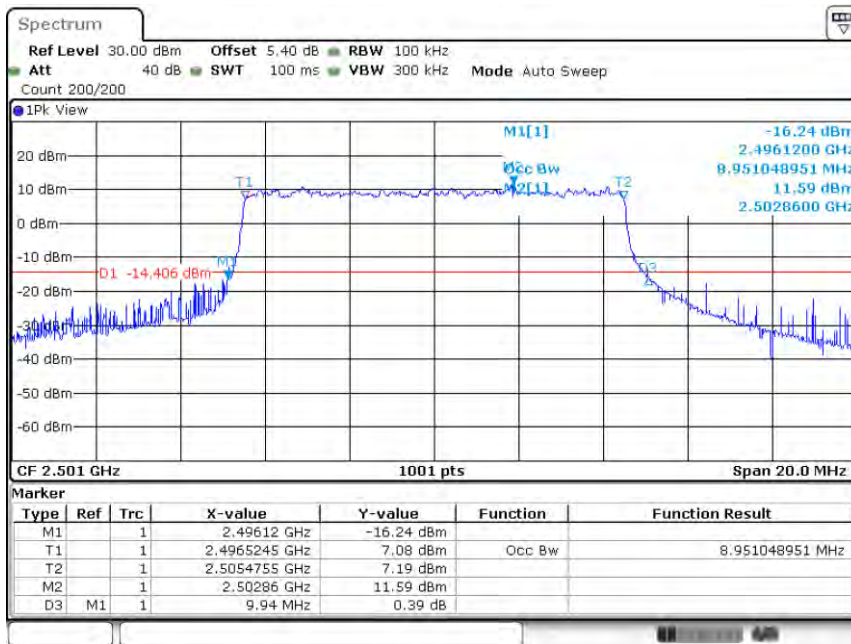
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Band41-10MHz-64QAM-41540-50RB#0-8.931



Date: 28.MAY.2021 00:40:39

Band41-10MHz-256QAM-39700-50RB#0-8.951

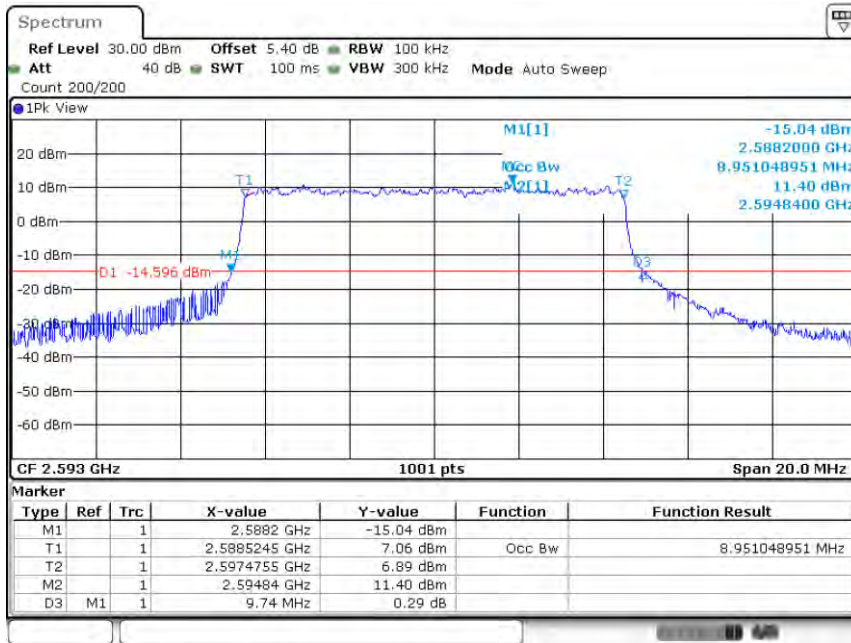


Date: 7.MAY.2021 02:24:30



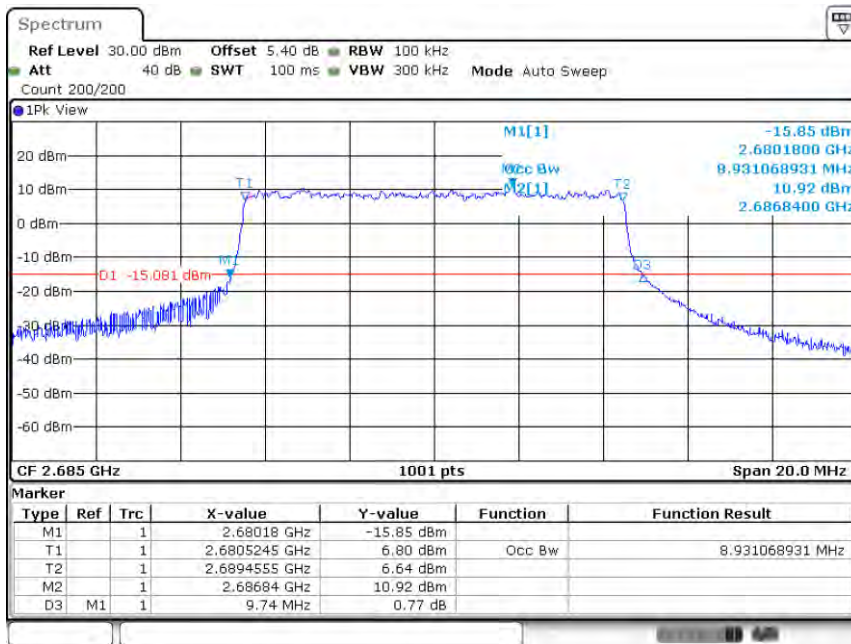
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Band41-10MHz-256QAM-40620-50RB#0-8.951



Date: 7.MAY.2021 02:25:02

Band41-10MHz-256QAM-41540-50RB#0-8.931



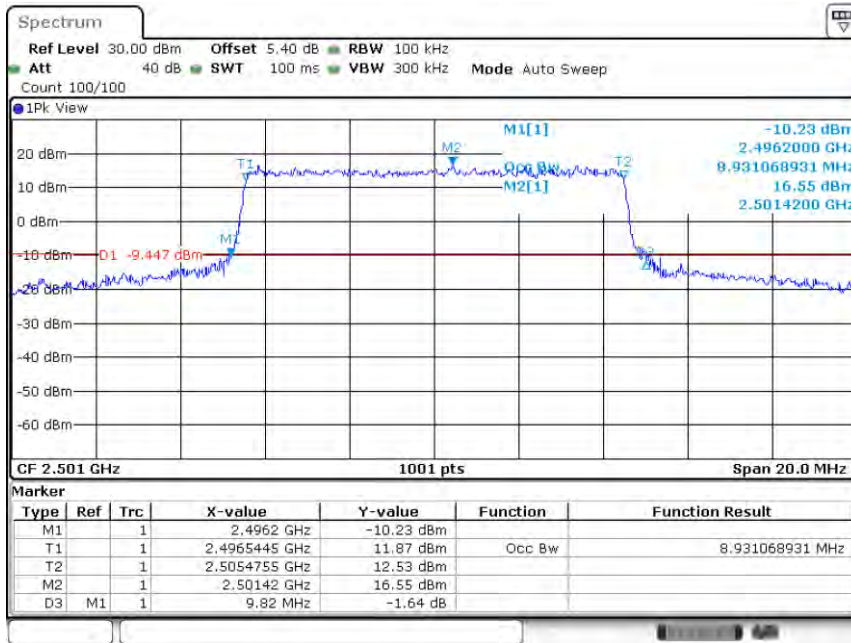
Date: 7.MAY.2021 02:25:40



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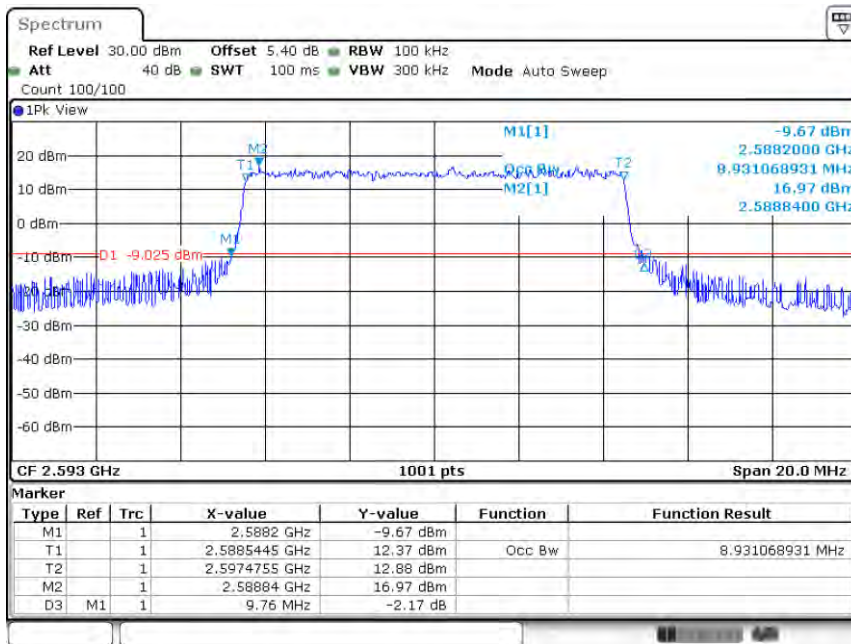


Band41-10MHz-16QAM-39700-50RB#0-8.931



Date: 28.MAY.2021 00:32:57

Band41-10MHz-16QAM-40620-50RB#0-8.931

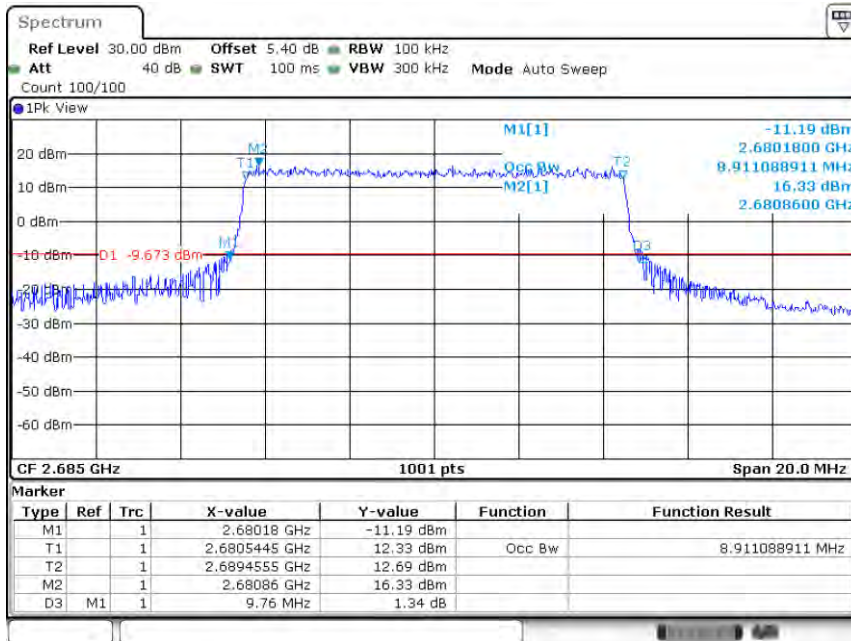


Date: 28.MAY.2021 00:33:37



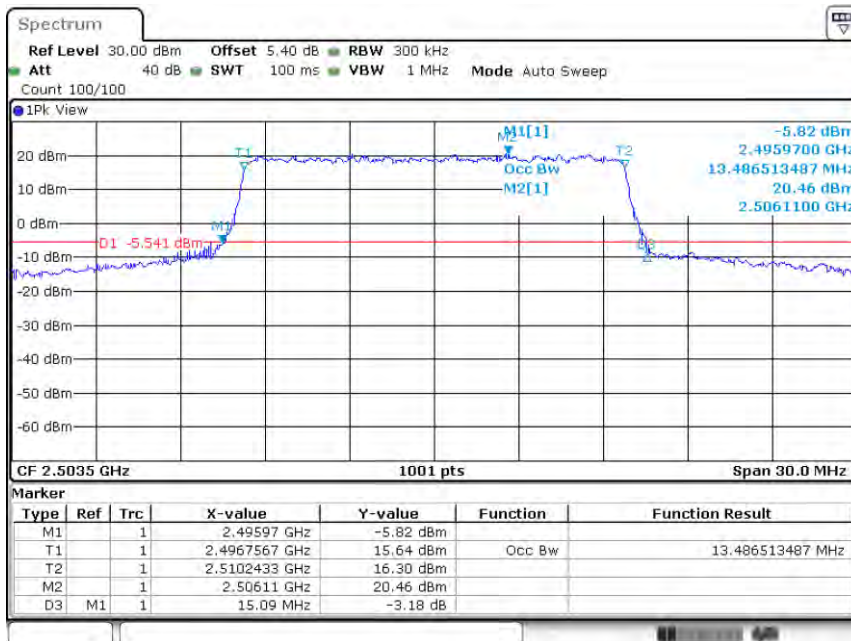
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Band41-10MHz-16QAM-41540-50RB#0-8.911



Date: 28.MAY.2021 00:34:17

Band41-15MHz-QPSK-39725-75RB#0-13.487

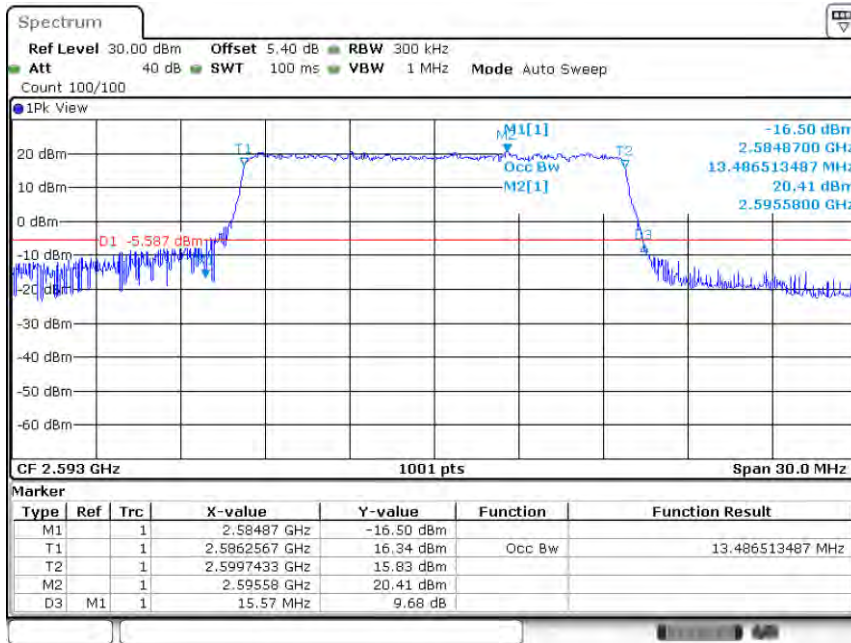


Date: 28.MAY.2021 00:34:42



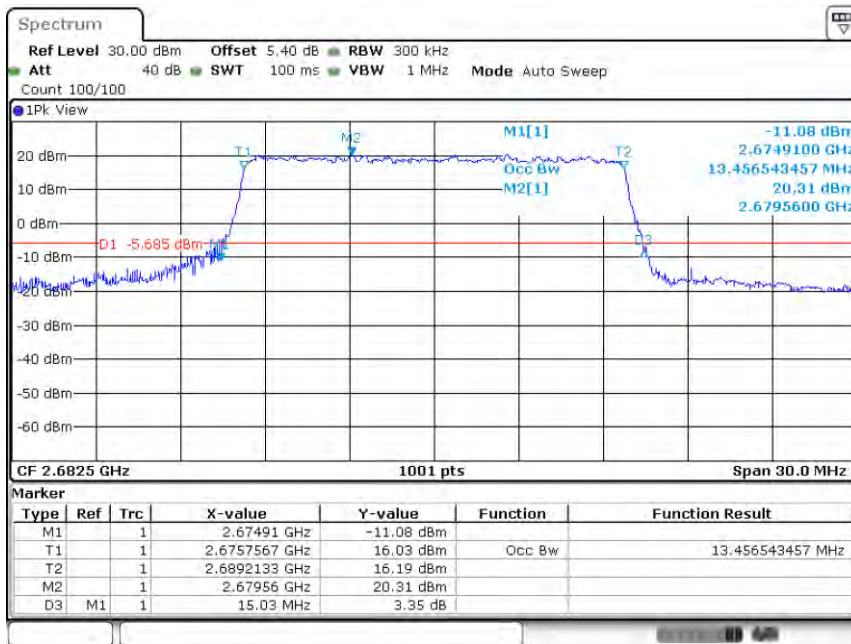
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Band41-15MHz-QPSK-40620-75RB#0-13.487



Date: 28.MAY.2021 00:35:21

Band41-15MHz-QPSK-41515-75RB#0-13.457

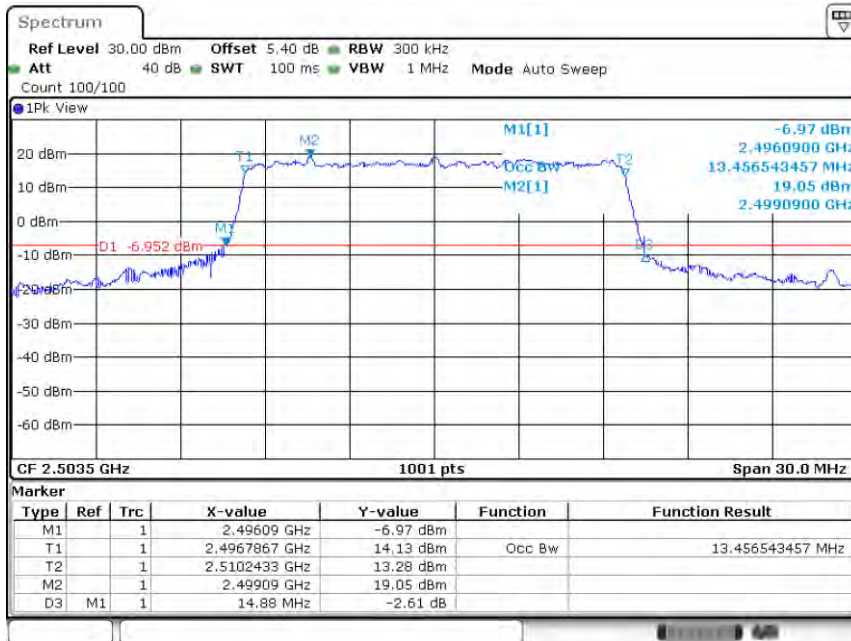


Date: 28.MAY.2021 00:36:01



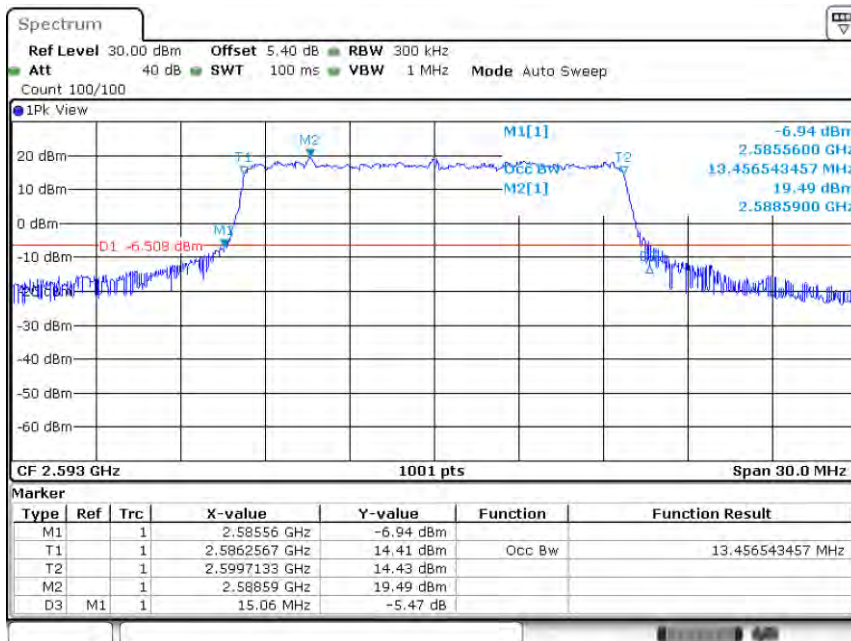
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Band41-15MHz-64QAM-39725-75RB#0-13.457



Date: 28.MAY.2021 00:41:05

Band41-15MHz-64QAM-40620-75RB#0-13.457



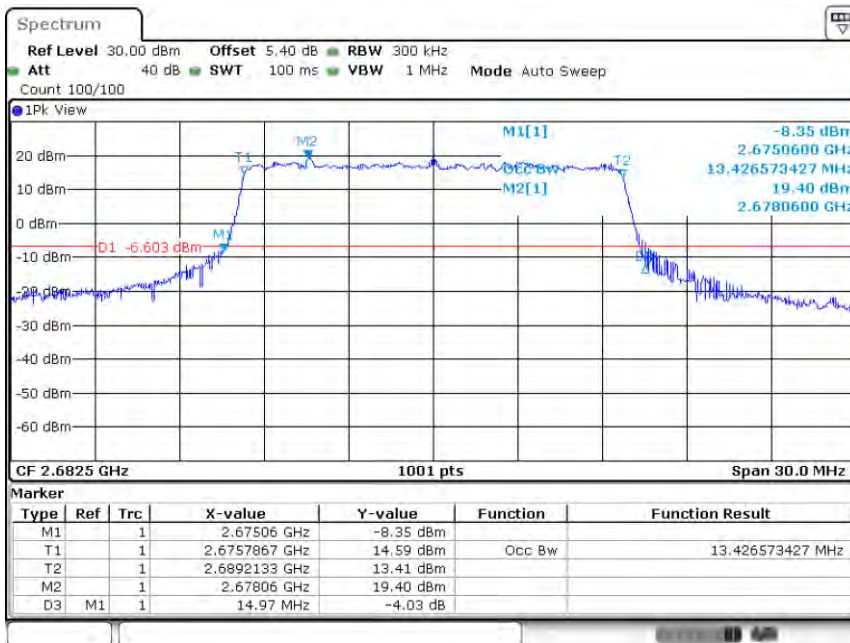
Date: 28.MAY.2021 00:41:25



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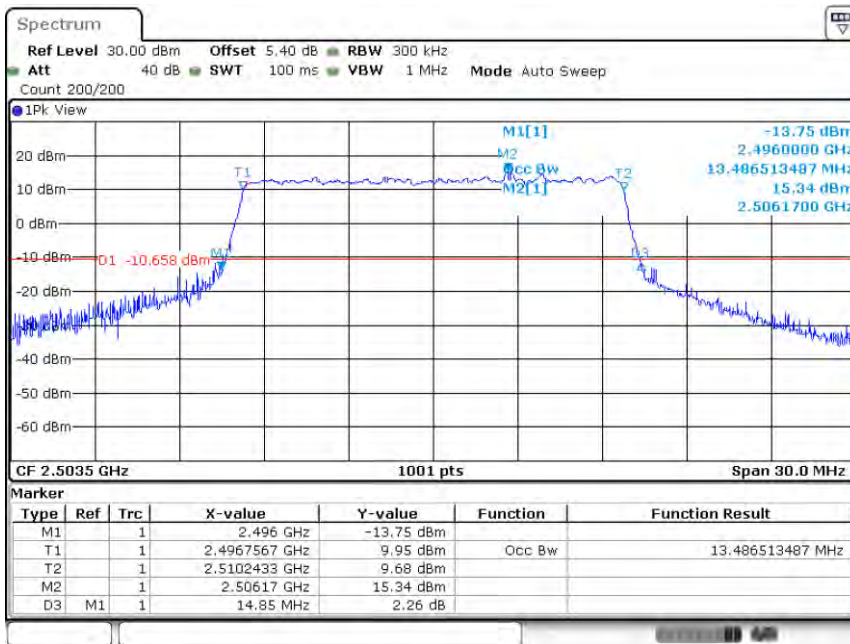


Band41-15MHz-64QAM-41515-75RB#0-13.427



Date: 28.MAY.2021 00:41:45

Band41-15MHz-256QAM-39725-75RB#0-13.487

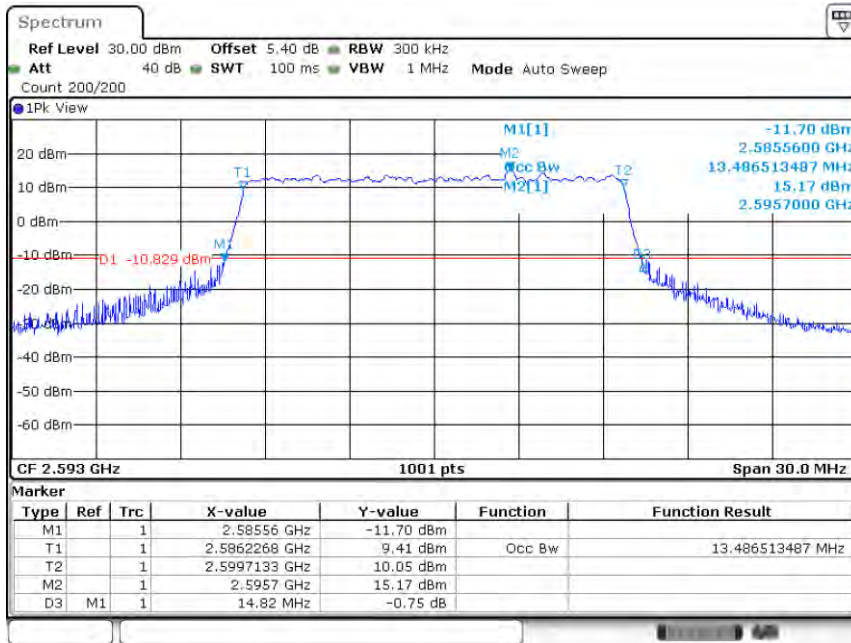


Date: 7.MAY.2021 02:26:19



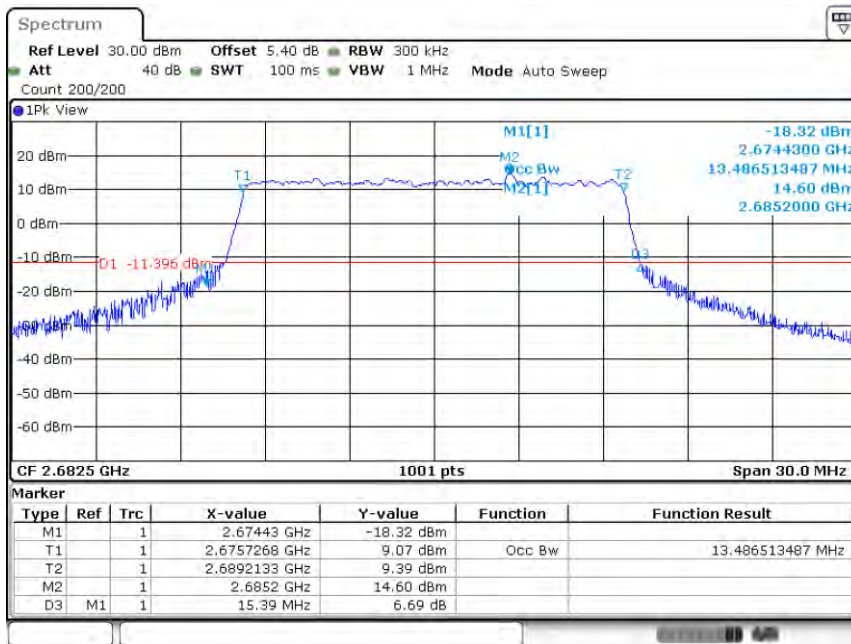
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Band41-15MHz-256QAM-40620-75RB#0-13.487



Date: 7.MAY.2021 02:26:52

Band41-15MHz-256QAM-41515-75RB#0-13.487

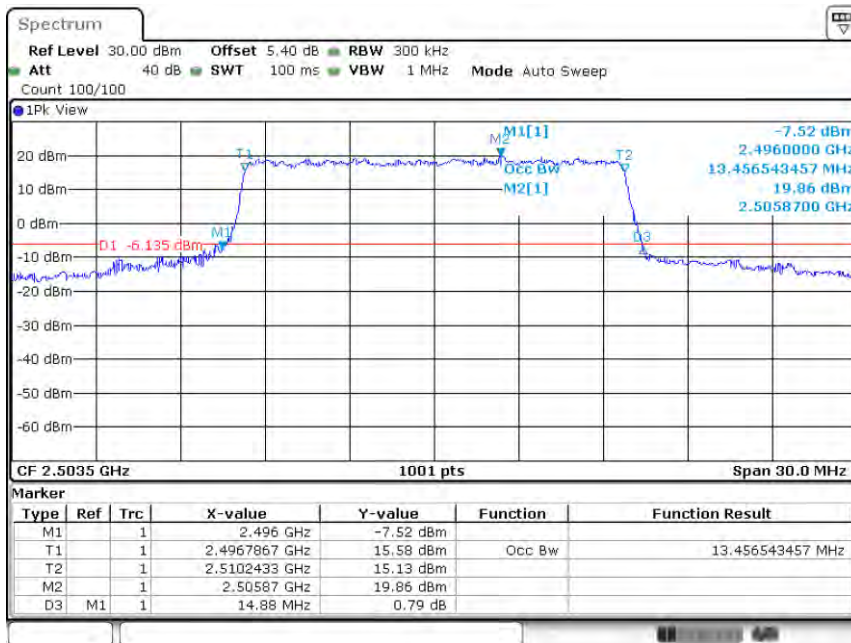


Date: 7.MAY.2021 02:27:40



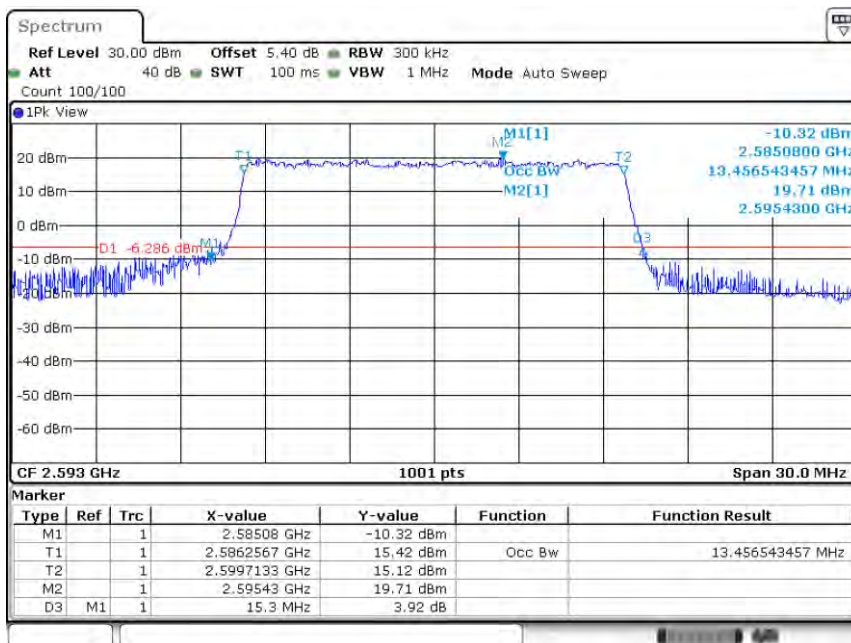
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Band41-15MHz-16QAM-39725-75RB#0-13.457



Date: 28.MAY.2021 00:35:01

Band41-15MHz-16QAM-40620-75RB#0-13.457



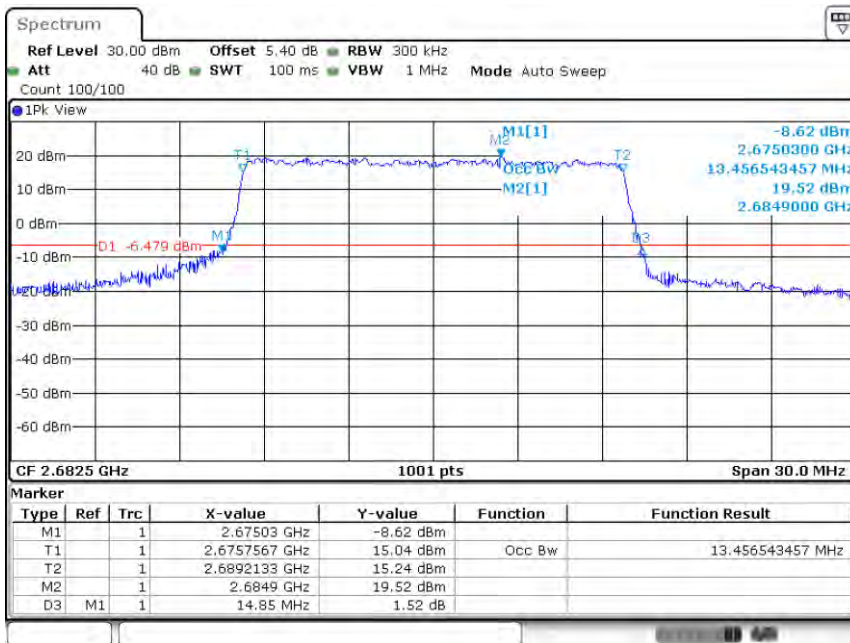
Date: 28.MAY.2021 00:35:41



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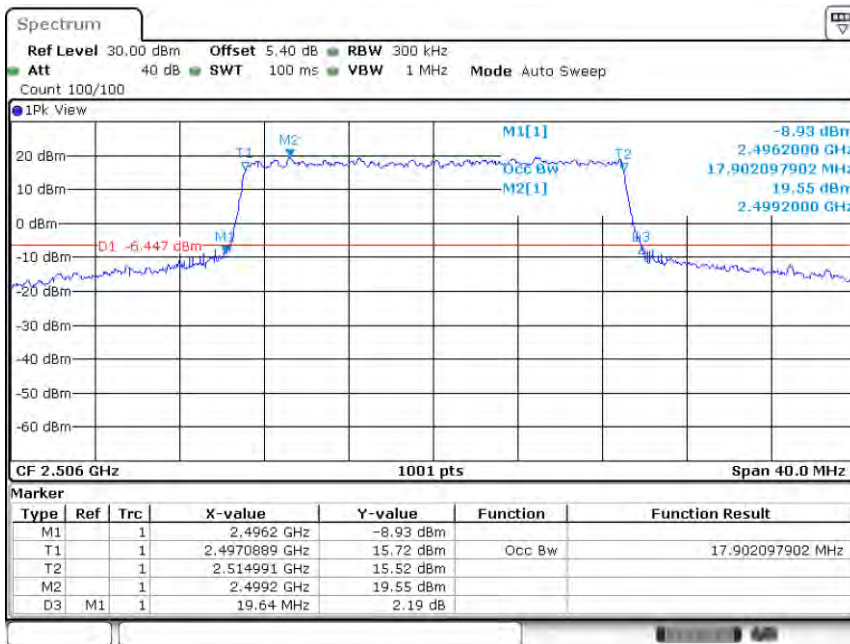


Band41-15MHz-16QAM-41515-75RB#0-13.457



Date: 28.MAY.2021 00:36:21

Band41-20MHz-QPSK-39750-100RB#0-17.902

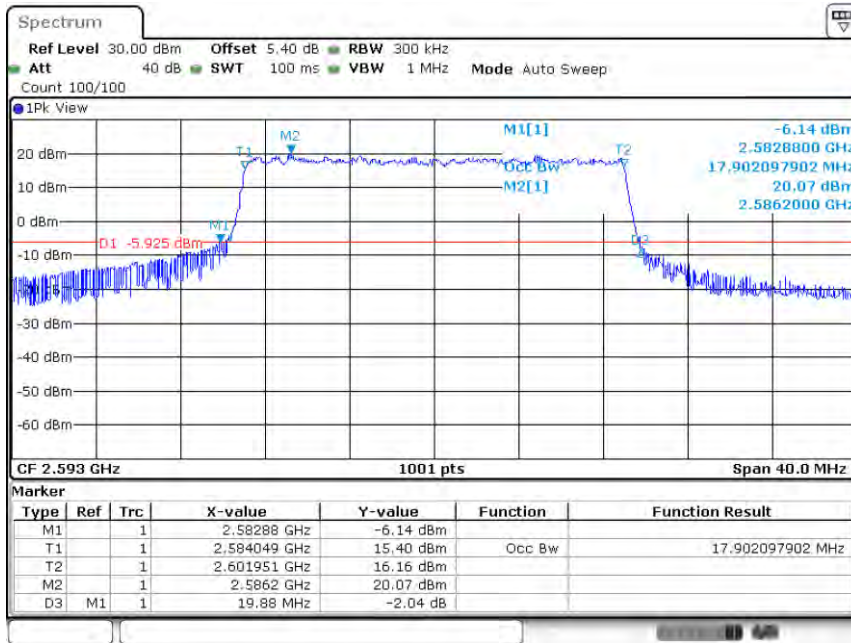


Date: 28.MAY.2021 00:36:46



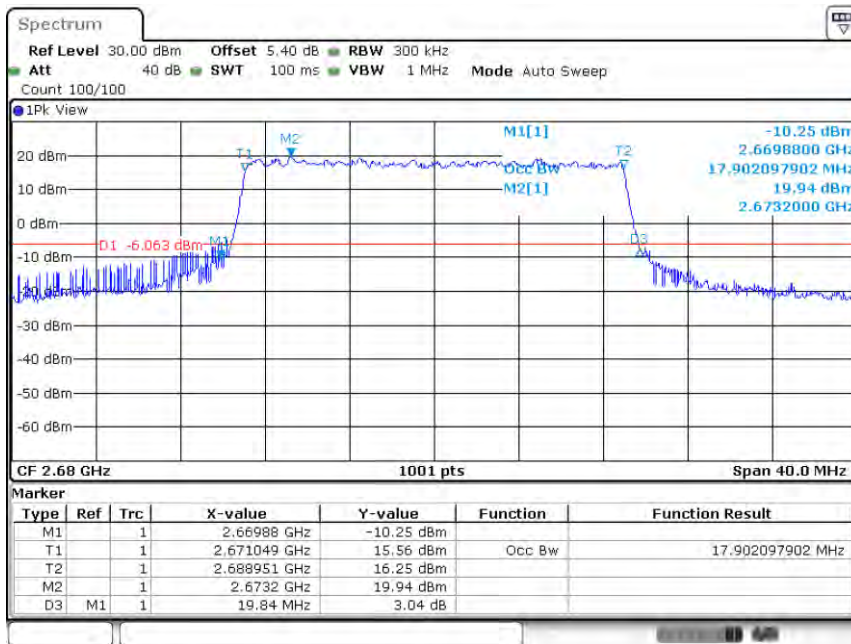
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Band41-20MHz-QPSK-40620-100RB#0-17.902



Date: 28.MAY.2021 00:37:25

Band41-20MHz-QPSK-41490-100RB#0-17.902

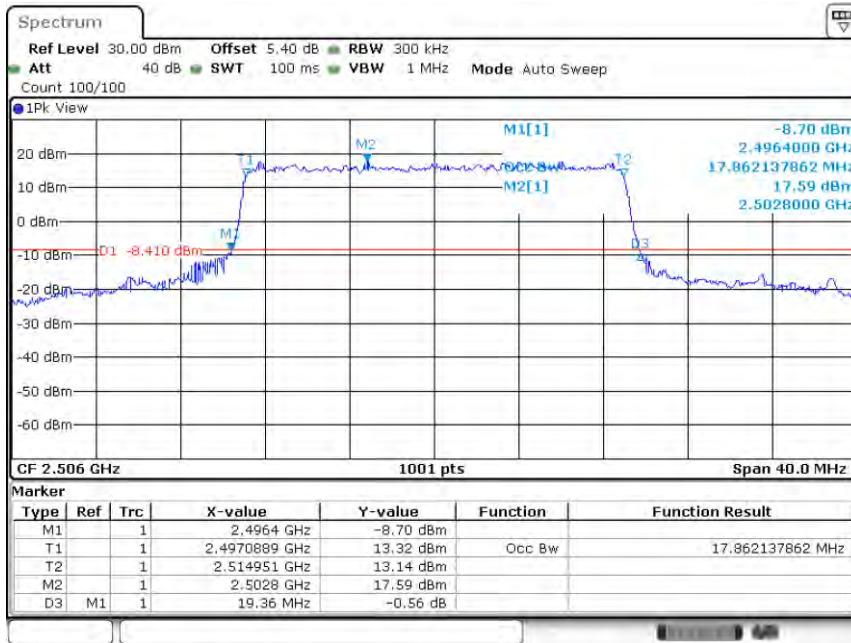


Date: 28.MAY.2021 00:38:05



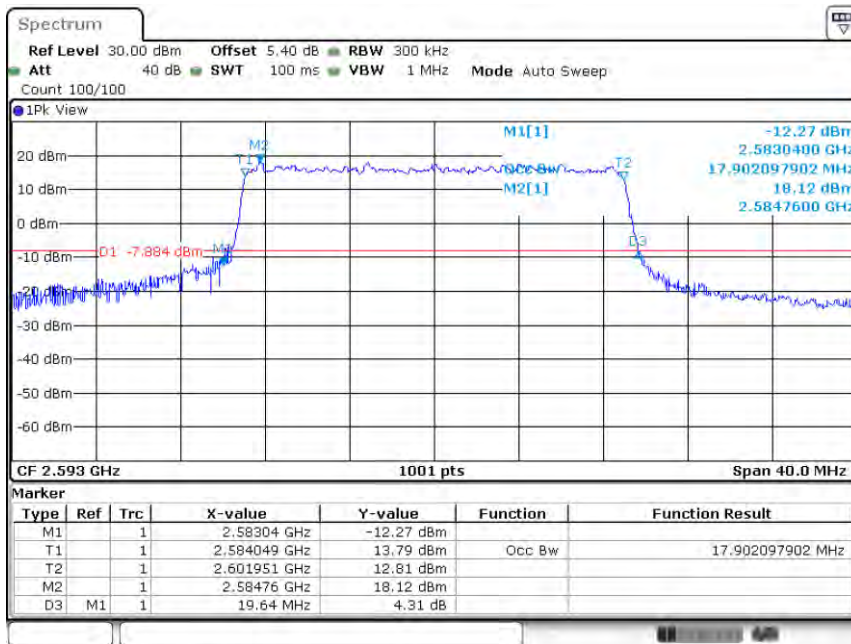
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Band41-20MHz-64QAM-39750-100RB#0-17.862



Date: 28.MAY.2021 00:42:12

Band41-20MHz-64QAM-40620-100RB#0-17.902



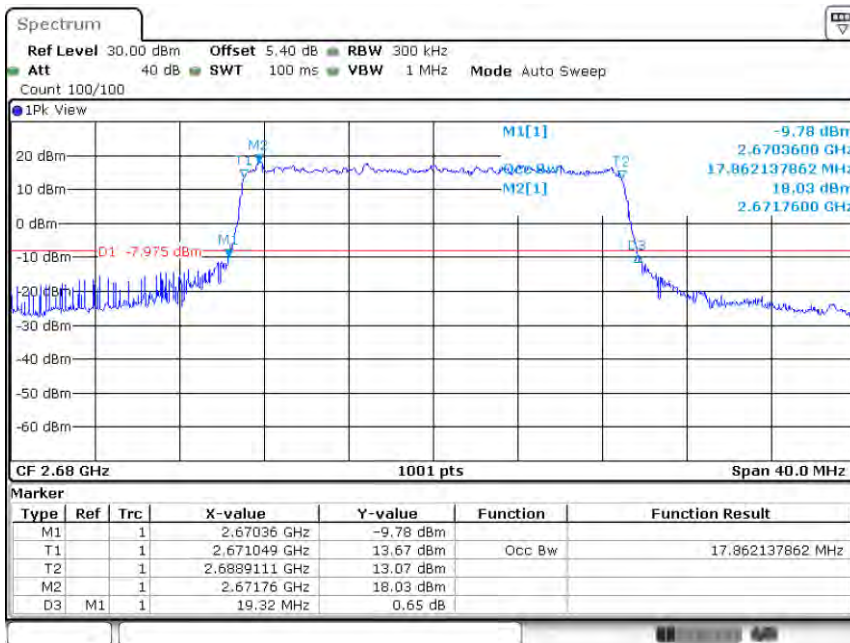
Date: 28.MAY.2021 00:42:32



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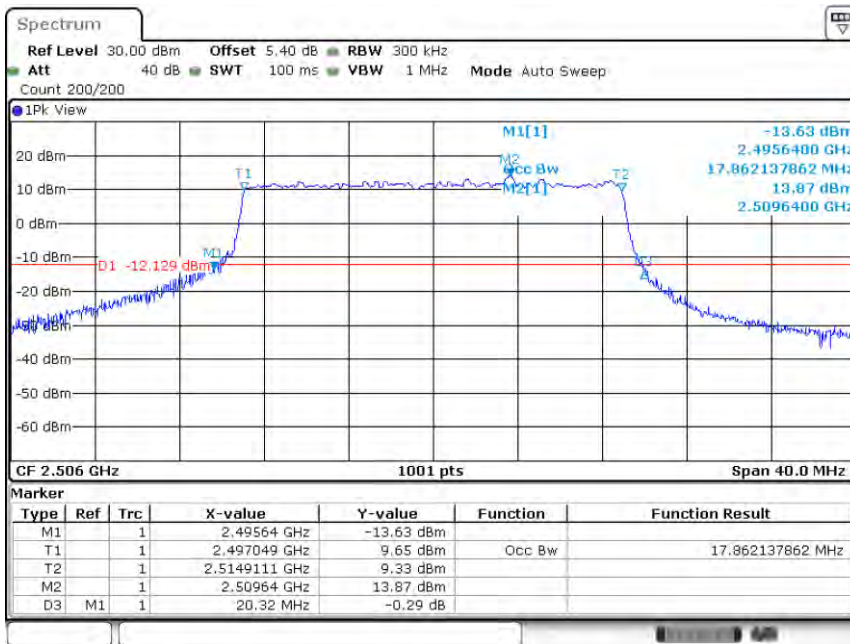


Band41-20MHz-64QAM-41490-100RB#0-17.862



Date: 28.MAY.2021 00:42:51

Band41-20MHz-256QAM-39750-100RB#0-17.862

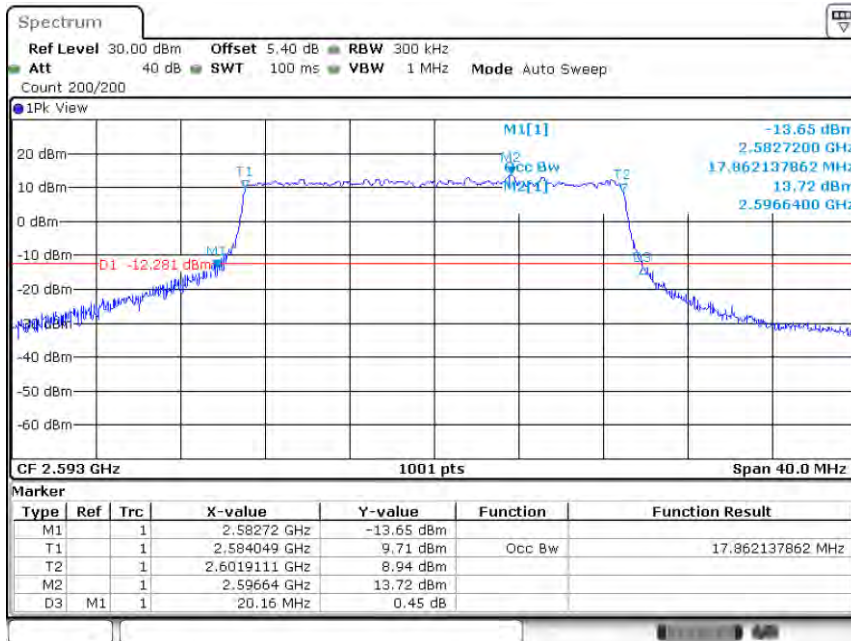


Date: 7.MAY.2021 02:28:33



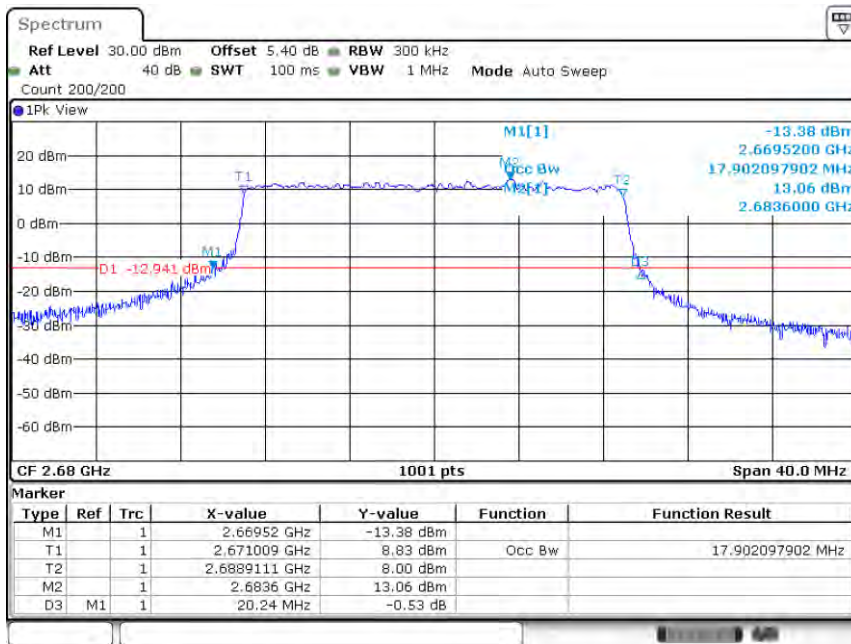
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Band41-20MHz-256QAM-40620-100RB#0-17.862



Date: 7.MAY.2021 02:29:19

Band41-20MHz-256QAM-41490-100RB#0-17.902

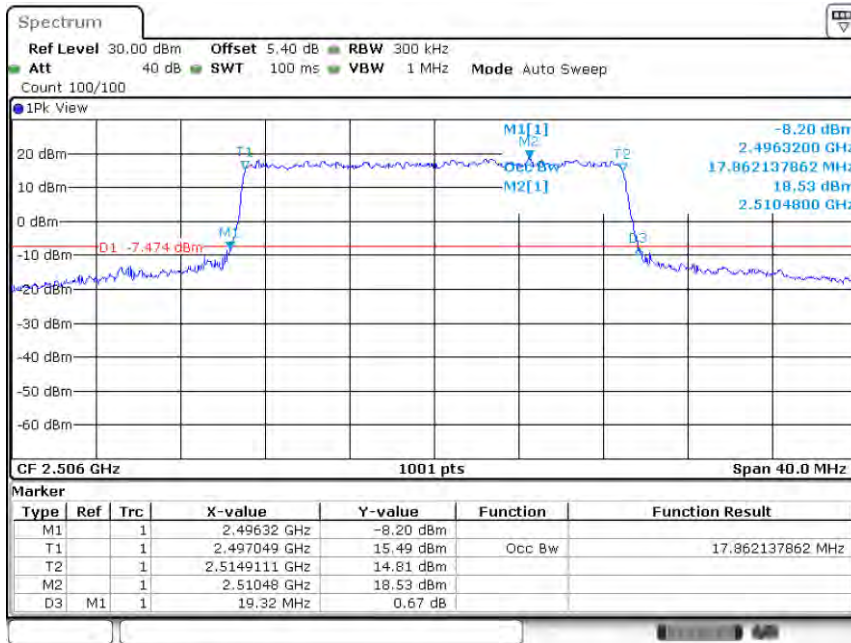


Date: 7.MAY.2021 02:30:01



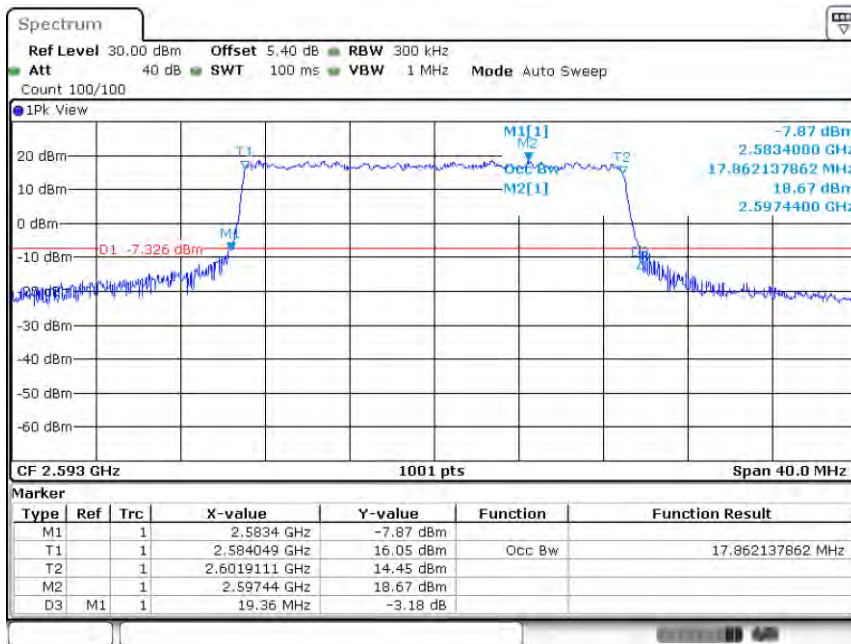
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Band41-20MHz-16QAM-39750-100RB#0-17.862



Date: 28.MAY.2021 00:37:06

Band41-20MHz-16QAM-40620-100RB#0-17.862

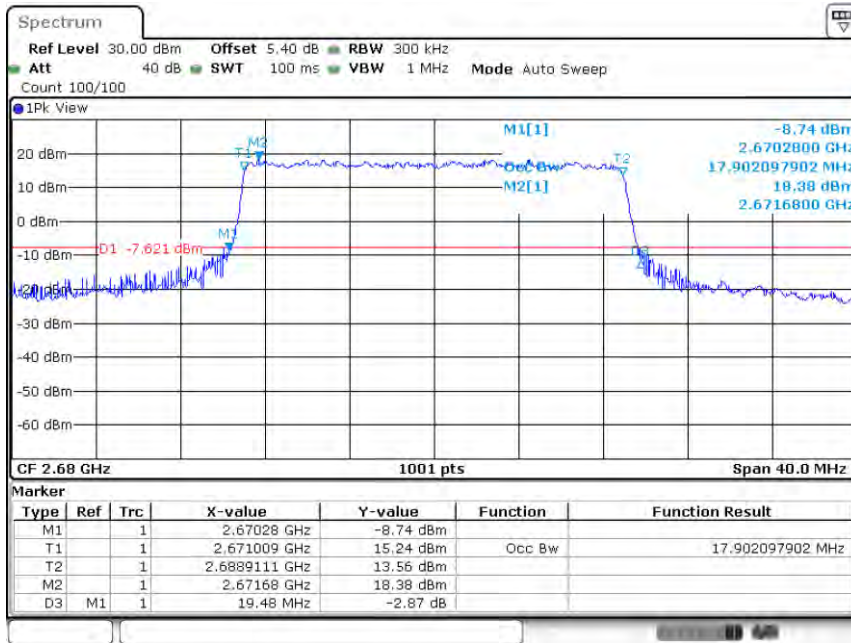


Date: 28.MAY.2021 00:37:45



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Band41-20MHz-16QAM-41490-100RB#0-17.902



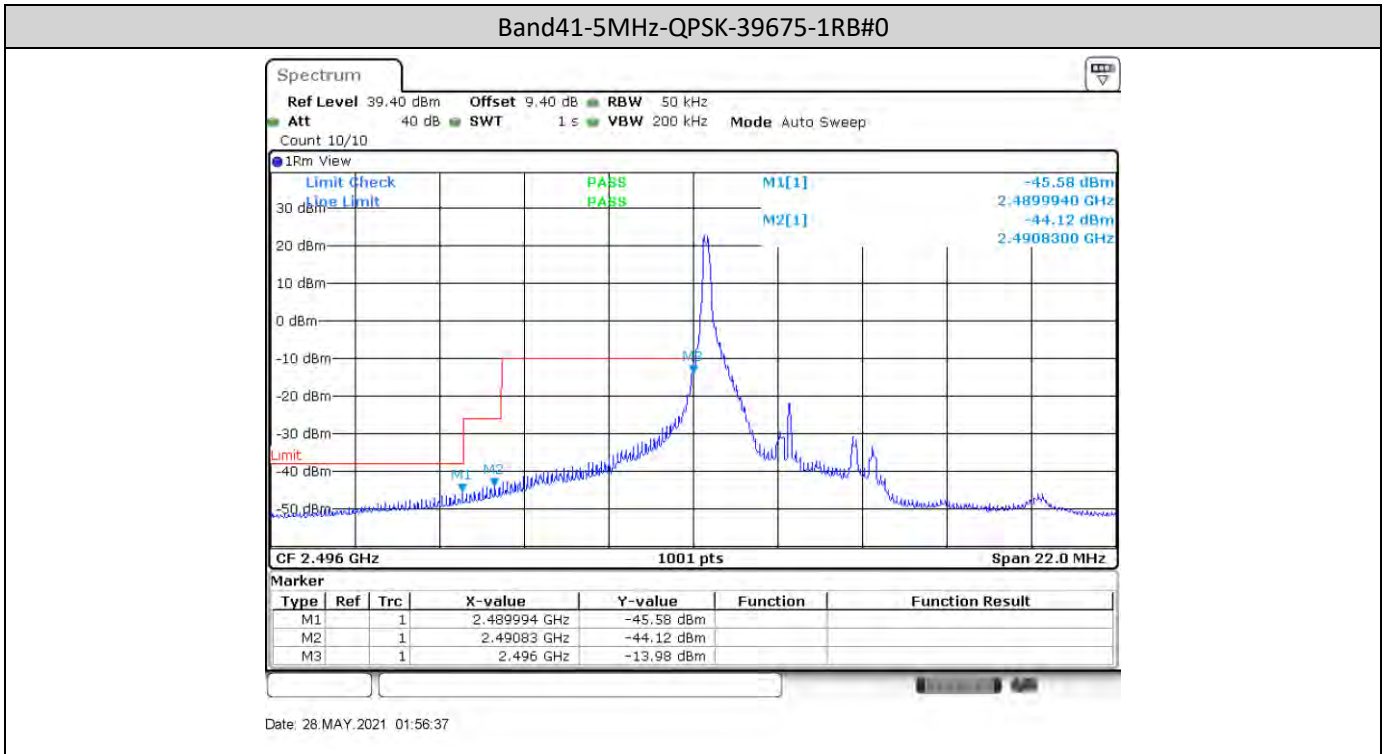
Date: 28 MAY.2021 00:38:25



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5. Band Edge Compliance

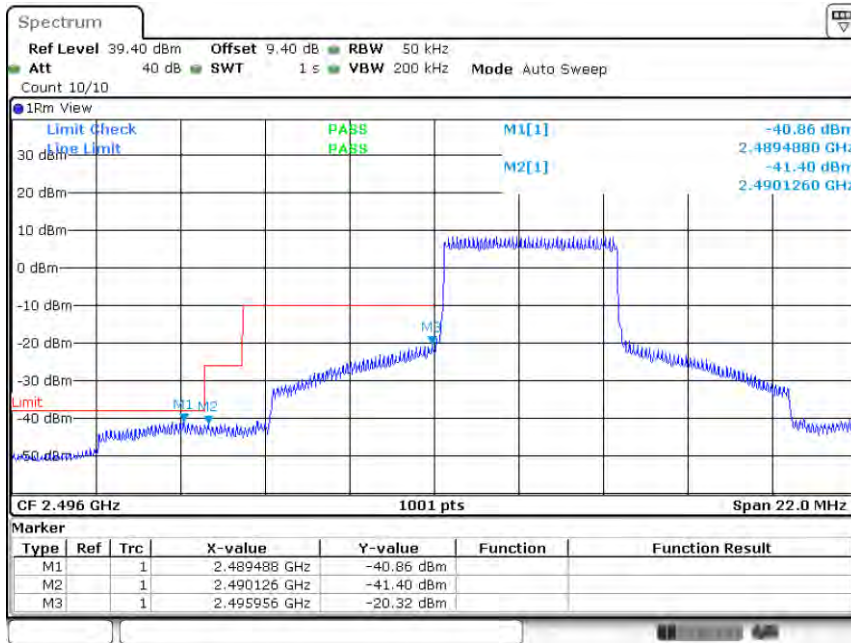
5.1. Test Plots



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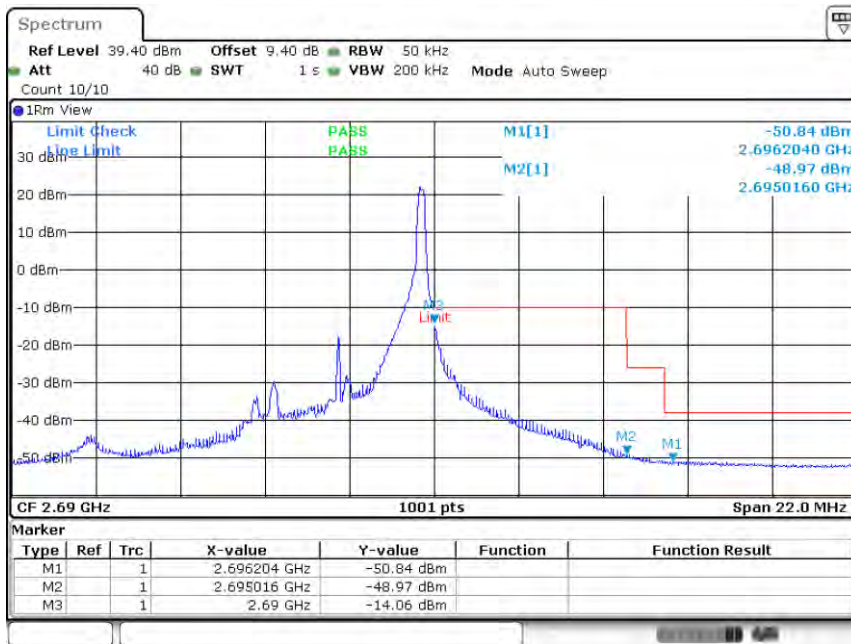
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Band41-5MHz-QPSK-39675-25RB#0



Date: 28.MAY.2021 01:59:38

Band41-5MHz-QPSK-41565-1RB#24



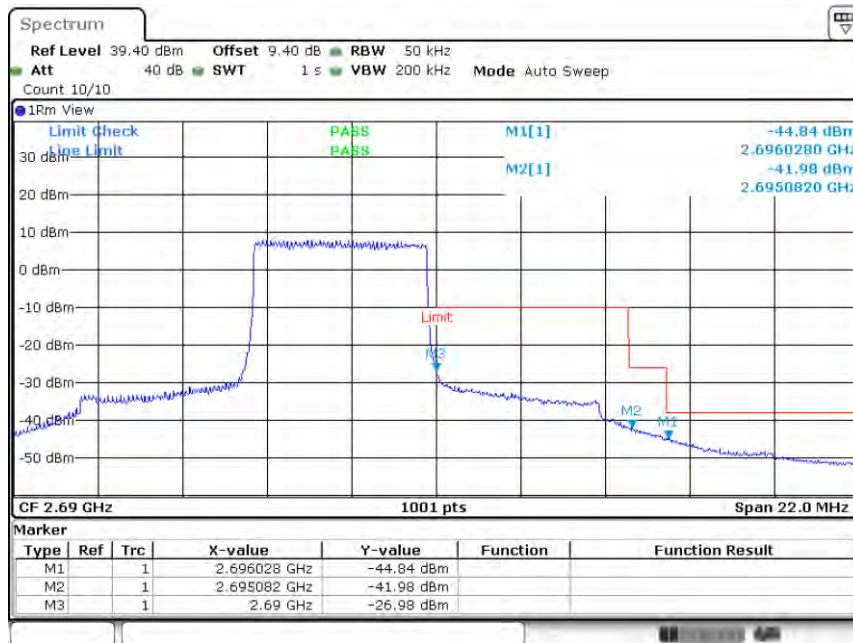
Date: 28.MAY.2021 01:57:25



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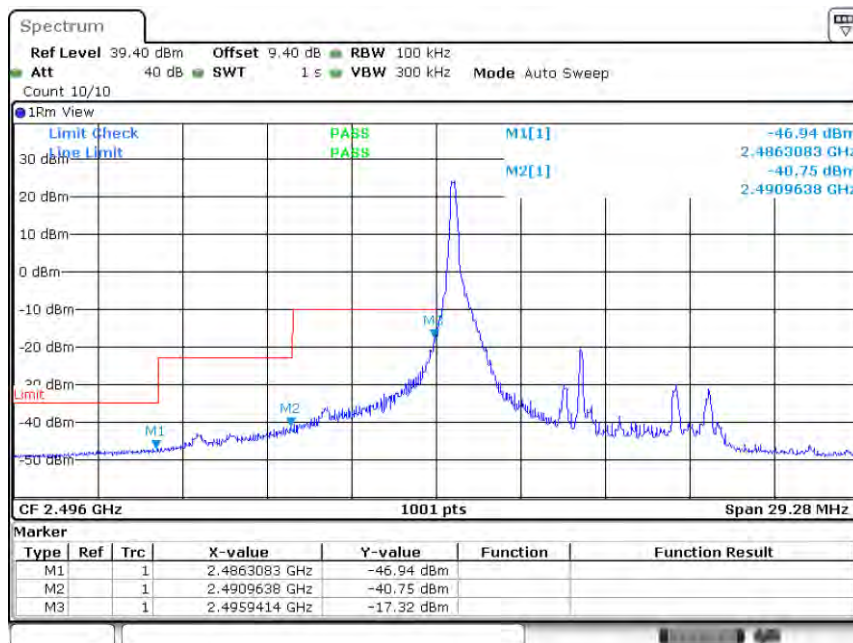


Band41-5MHz-QPSK-41565-25RB#0



Date: 28.MAY.2021 02:00:21

Band41-10MHz-QPSK-39700-1RB#0

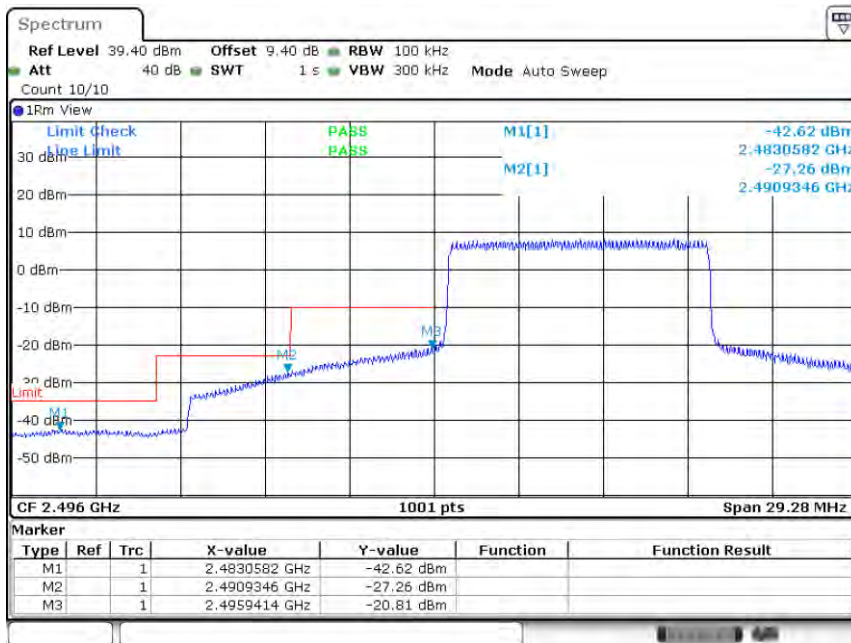


Date: 28.MAY.2021 02:01:10



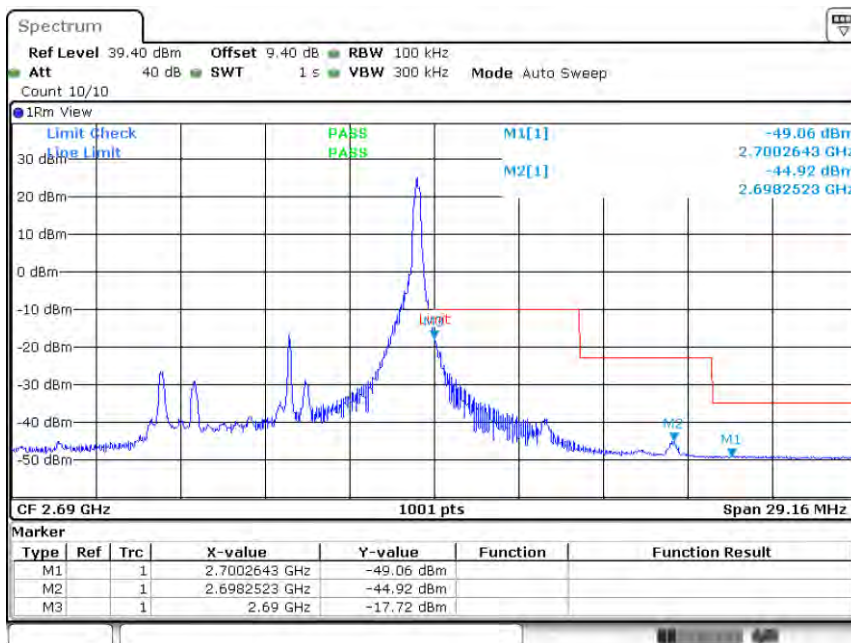
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Band41-10MHz-QPSK-39700-50RB#0



Date: 28.MAY.2021 02:02:45

Band41-10MHz-QPSK-41540-1RB#49



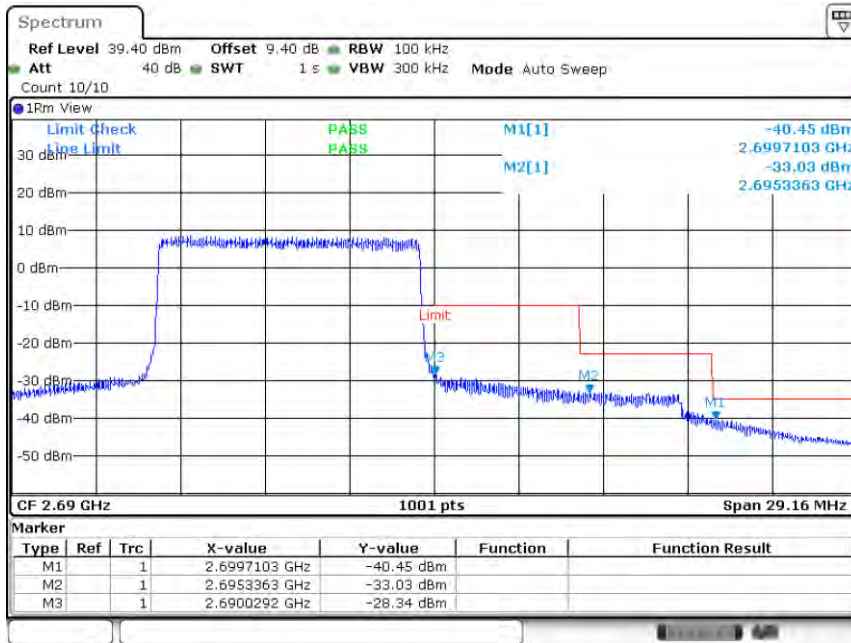
Date: 28.MAY.2021 02:01:57



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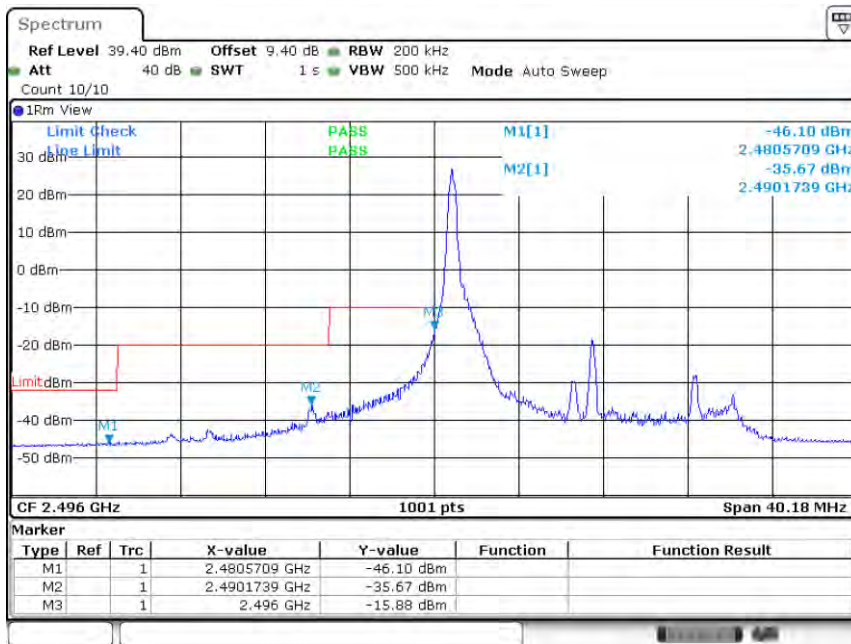


Band41-10MHz-QPSK-41540-50RB#0



Date: 28.MAY.2021 02:03:28

Band41-15MHz-QPSK-39725-1RB#0

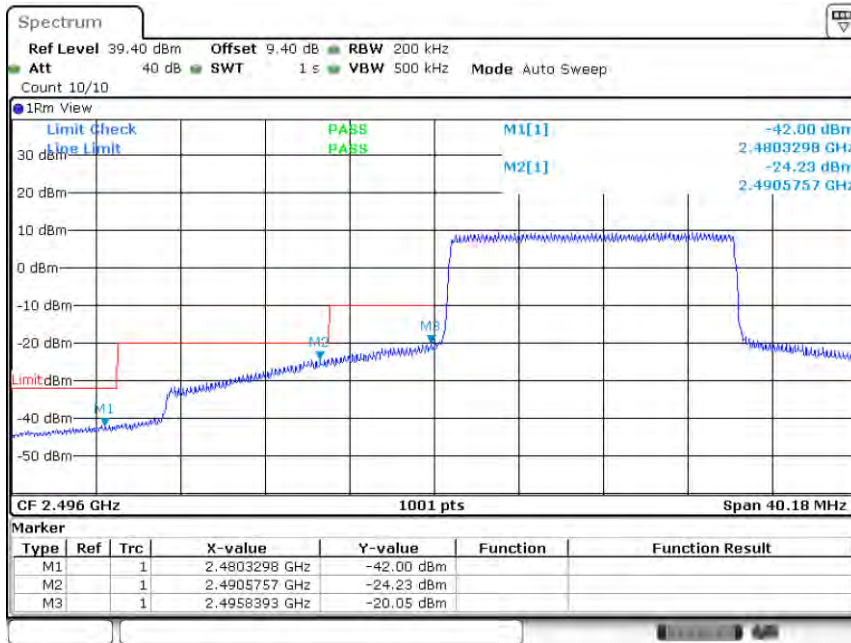


Date: 28.MAY.2021 02:04:21



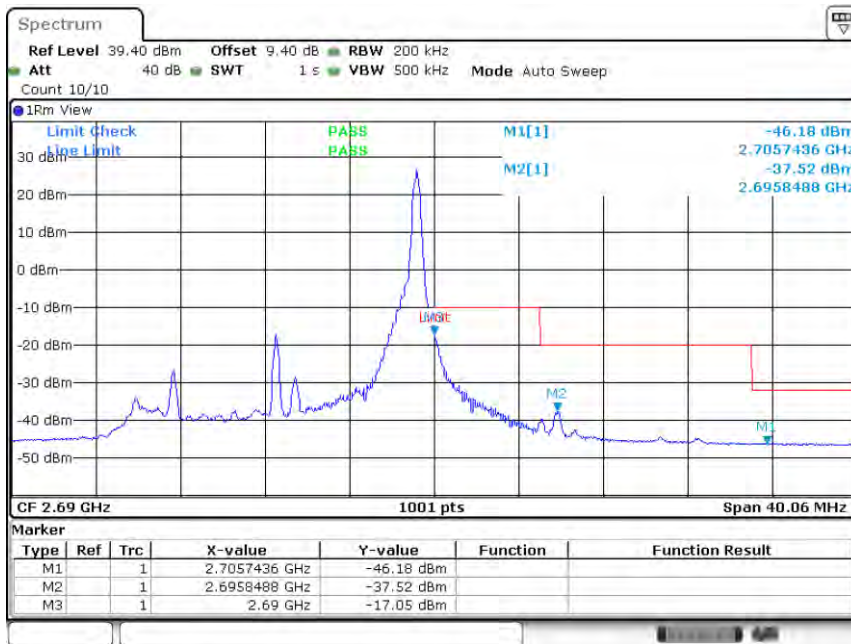
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Band41-15MHz-QPSK-39725-75RB#0



Date: 28.MAY.2021 02:05:56

Band41-15MHz-QPSK-41515-1RB#74

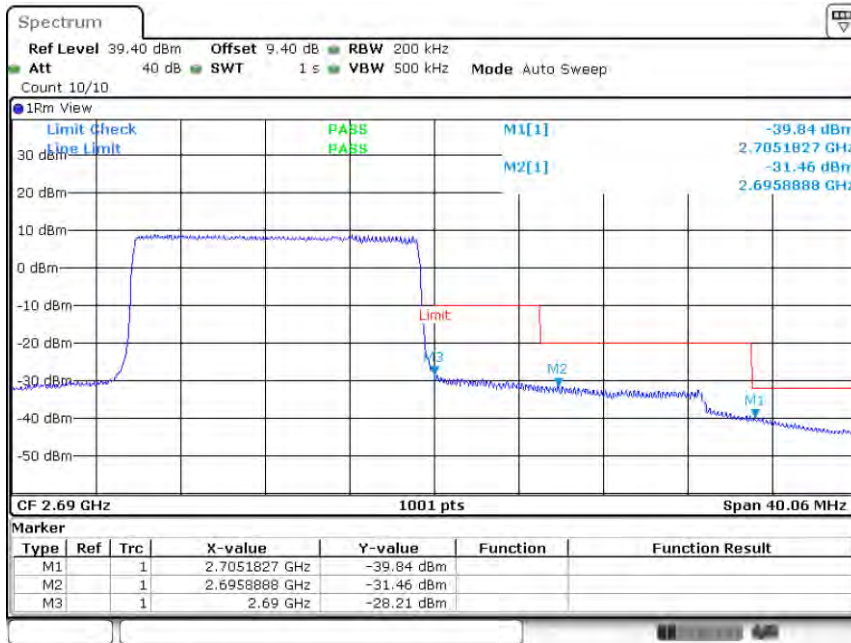


Date: 28.MAY.2021 02:05:08



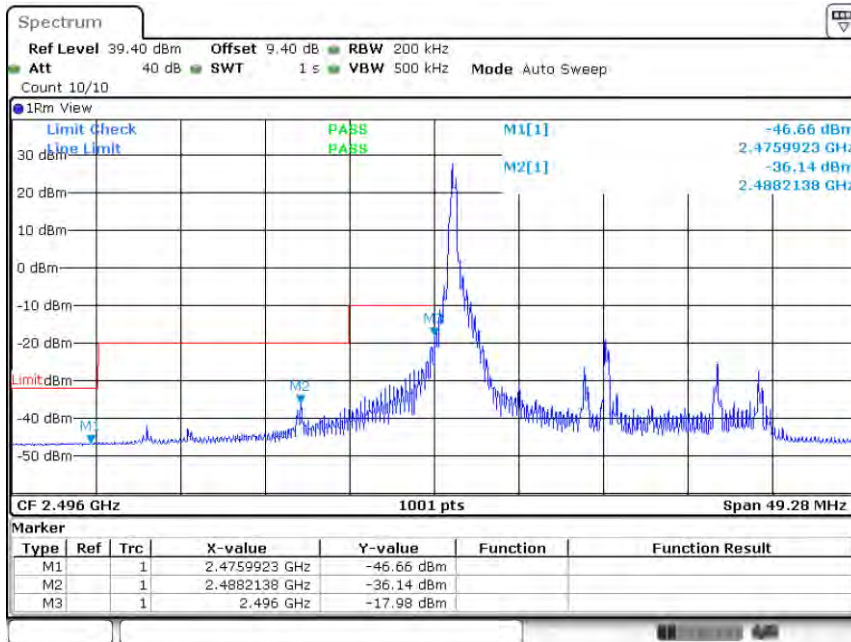
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Band41-15MHz-QPSK-41515-75RB#0



Date: 28.MAY.2021 02:06:39

Band41-20MHz-QPSK-39750-1RB#0



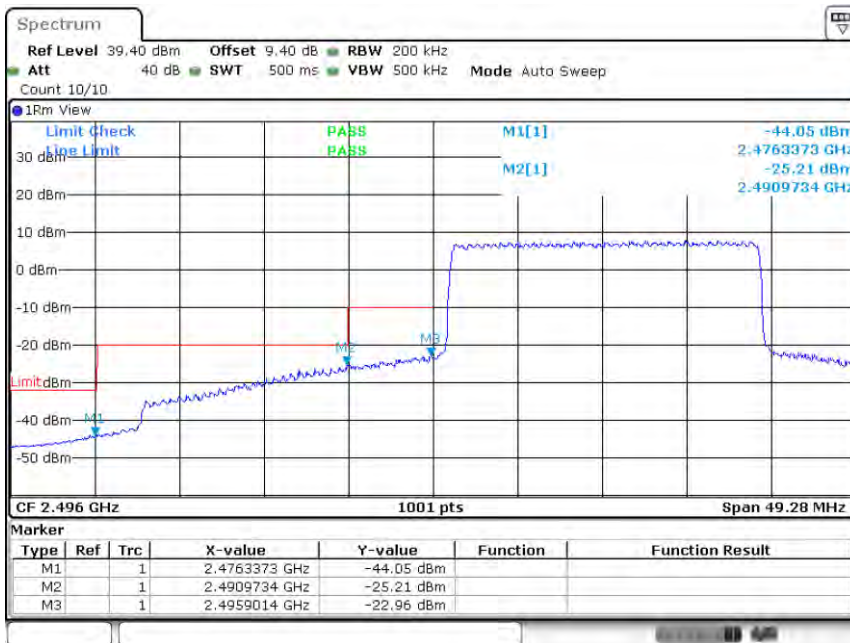
Date: 28.MAY.2021 02:24:06



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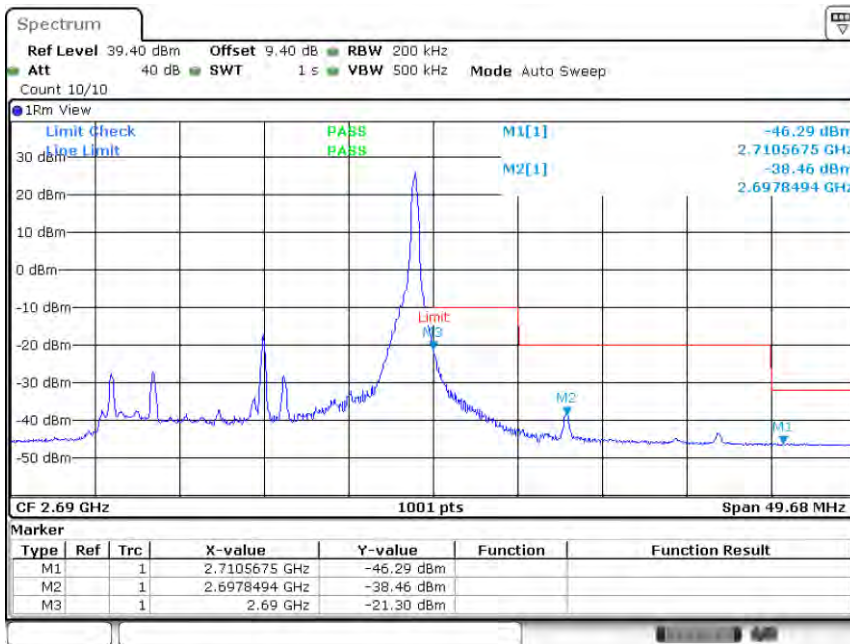


Band41-20MHz-QPSK-39750-100RB#0



Date: 28.MAY.2021 02:26:06

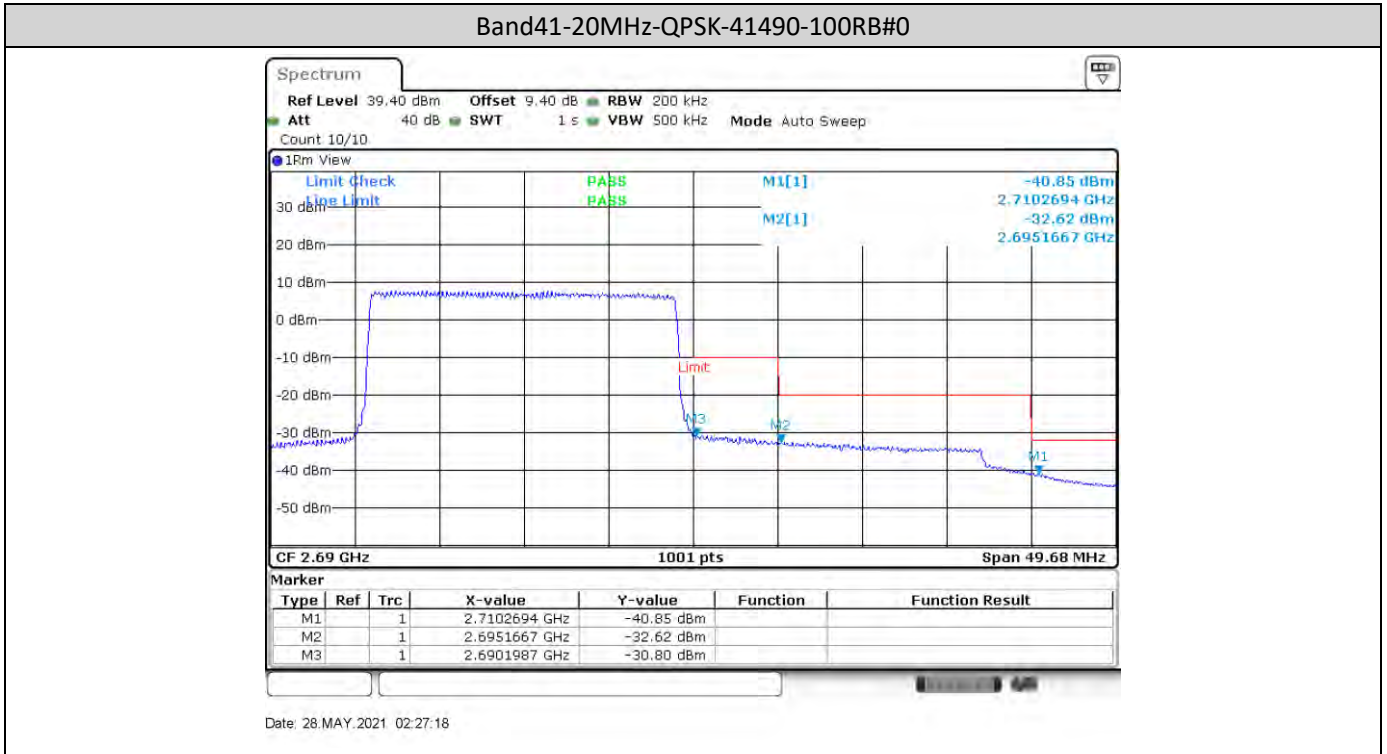
Band41-20MHz-QPSK-41490-1RB#99



Date: 28.MAY.2021 02:08:16



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Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
 $X = \text{Limit} + 10 \log(\text{RBW}/1000\text{kHz})$



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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

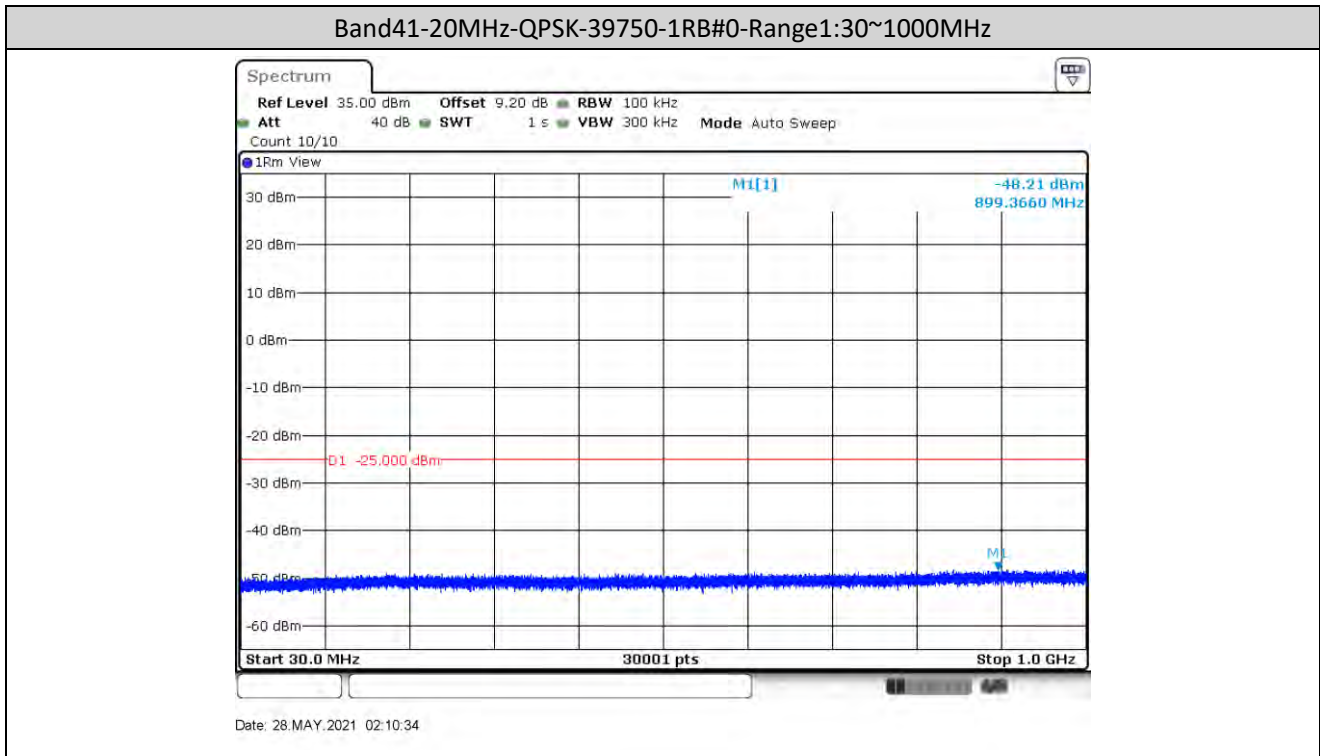
6. Spurious Emission at Antenna Terminal

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: 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.

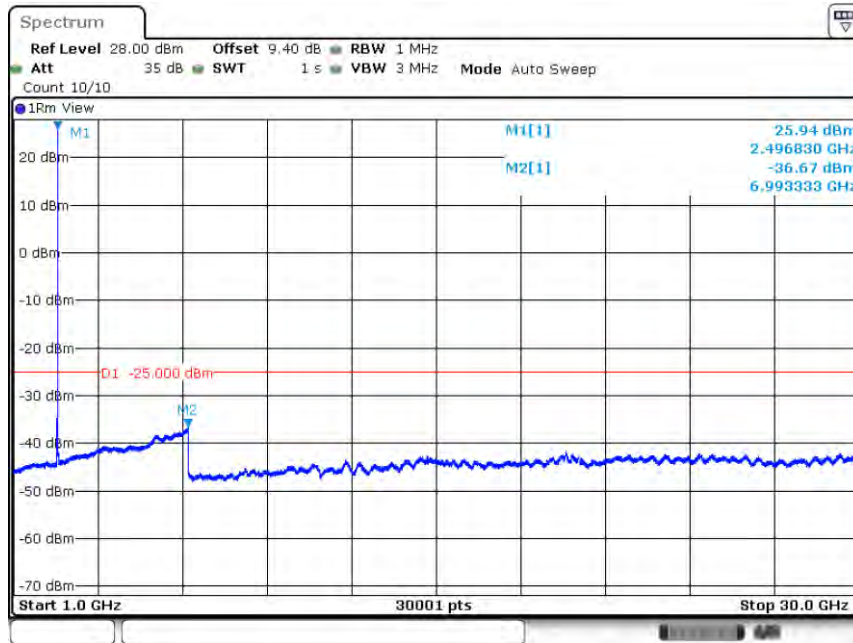
Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots



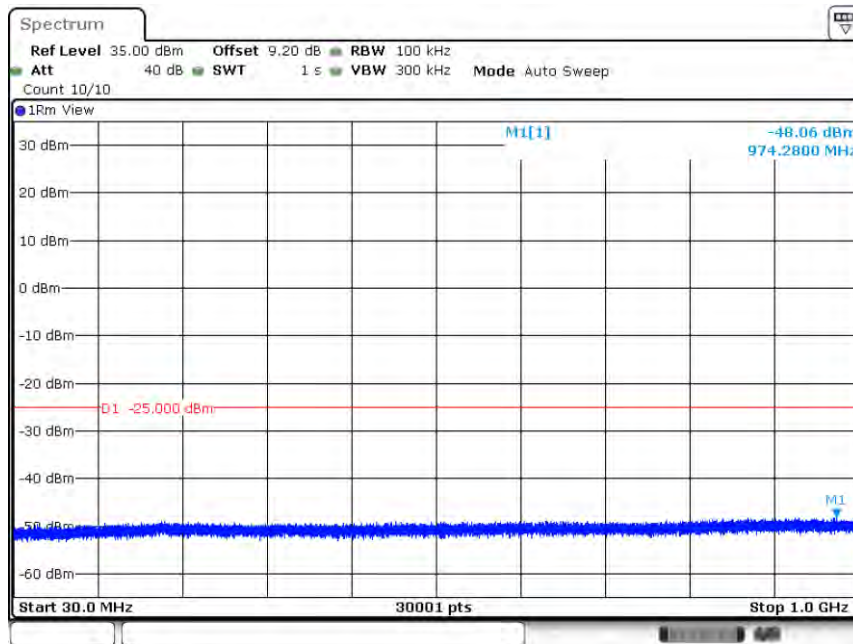
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Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:10:51

Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



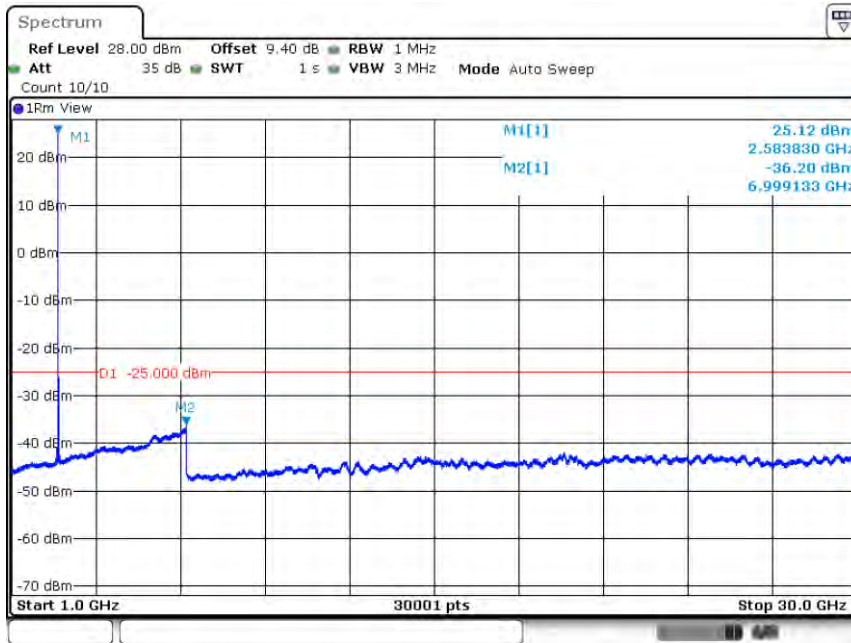
Date: 28.MAY.2021 02:11:45



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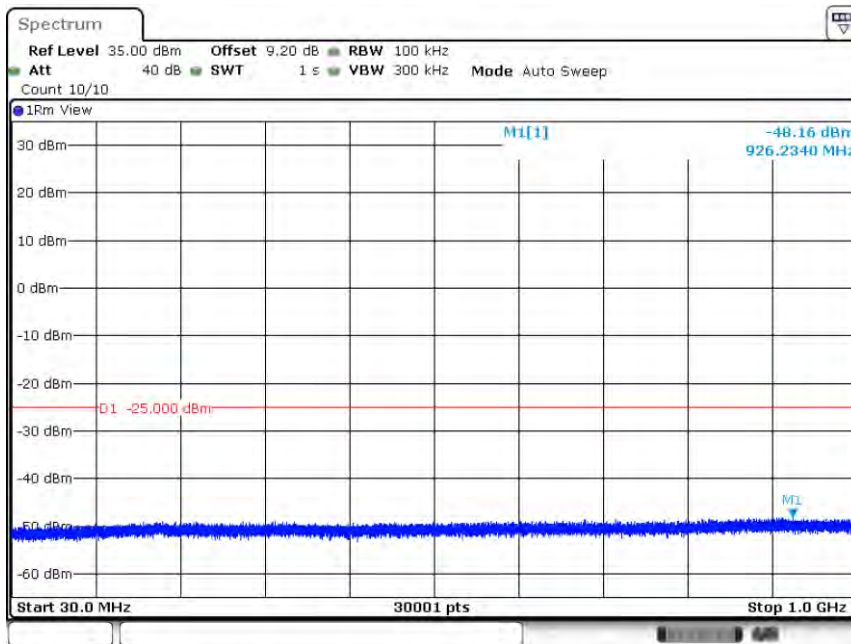
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Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:12:01

Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz



Date: 28.MAY.2021 02:12:56

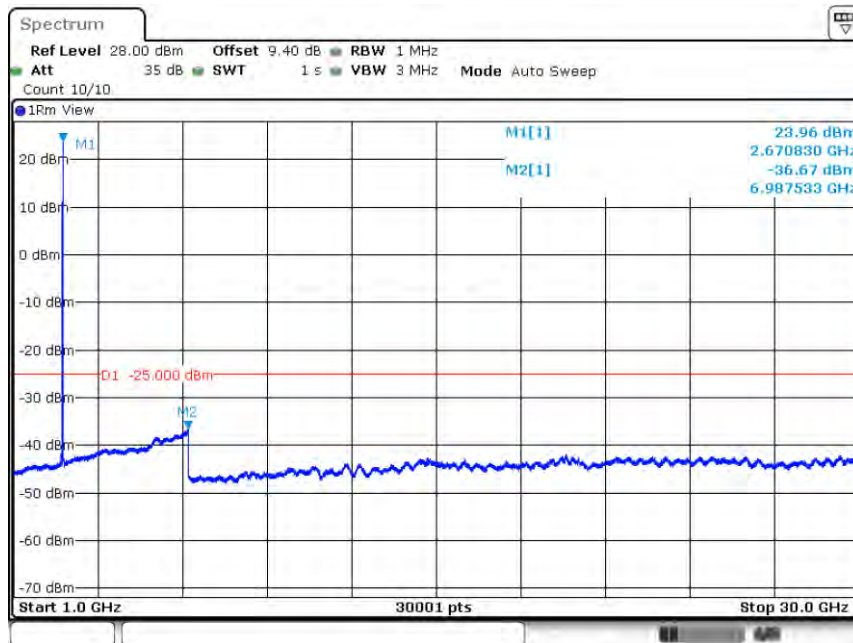


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Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:13:12



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7. Field Strength of Spurious Radiation

7.1. Test Band = _41_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1078.3039	27.16	-43.06	-25.00	18.06	Horizontal
2	2996.6998	29.61	-34.95	-25.00	9.95	Horizontal
3	4519.5760	50.94	-60.87	-25.00	35.87	Horizontal
4	7474.7237	48.31	-53.93	-25.00	28.93	Horizontal
5	11232.4116	46.67	-49.11	-25.00	24.11	Horizontal
6	17991.749	47.22	-46.49	-25.00	21.49	Horizontal



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7.2. Test Band = _41_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1146.5073	27.42	-42.97	-25.00	17.97	Vertical
2	1974.2487	28.61	-40.08	-25.00	15.08	Vertical
3	2997.5999	29.27	-35.26	-25.00	10.26	Vertical
4	4319.3160	51.40	-61.39	-25.00	36.39	Vertical
5	7968.9985	51.60	-50.34	-25.00	25.34	Vertical
6	17996.249	47.13	-46.67	-25.00	21.67	Vertical



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7.3. Test Band = _41_TM1
7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1204.0102	27.50	-43.27	-25.00	18.27	Horizontal
2	1773.1387	29.24	-40.74	-25.00	15.74	Horizontal
3	2999.7000	29.34	-35.12	-25.00	10.12	Horizontal
4	4450.5725	51.24	-60.71	-25.00	35.71	Horizontal
5	7450.7225	48.24	-54.20	-25.00	29.20	Horizontal
6	12415.220	45.38	-48.67	-25.00	23.67	Horizontal
7	17909.995	46.66	-46.30	-25.00	21.30	Horizontal



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7.4. Test Band = _41_TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1080.5040	27.21	-42.90	-25.00	17.90	Vertical
2	1772.6386	30.81	-39.17	-25.00	14.17	Vertical
3	2999.3000	29.36	-35.11	-25.00	10.11	Vertical
4	4843.5922	50.44	-60.03	-25.00	35.03	Vertical
5	7968.9985	51.37	-50.57	-25.00	25.57	Vertical
6	17950.497	46.28	-46.56	-25.00	21.56	Vertical



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7.5. Test Band = _41_TM1
7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1268.1134	27.53	-43.07	-25.00	18.07	Horizontal
2	1766.0383	33.85	-36.14	-25.00	11.14	Horizontal
3	4283.3142	50.97	-61.81	-25.00	36.81	Horizontal
4	7476.9738	48.37	-53.85	-25.00	28.85	Horizontal
5	12395.719	45.55	-48.65	-25.00	23.65	Horizontal
6	17981.999	46.69	-46.81	-25.00	21.81	Horizontal



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7.6. Test Band = _41_TM1

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1081.7041	27.25	-42.90	-25.00	17.90	Vertical
2	1867.9434	27.90	-41.67	-25.00	16.67	Vertical
3	4218.8109	50.89	-61.82	-25.00	36.82	Vertical
4	7968.9985	51.82	-50.12	-25.00	25.12	Vertical
5	13362.518	45.01	-47.71	-25.00	22.71	Vertical
6	17996.249	47.21	-46.59	-25.00	21.59	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 [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	2.30	0.000918	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-3.10	-0.001237	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-4.10	-0.001636	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	6.90	0.002661	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-3.60	-0.001388	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	5.90	0.002275	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-6.20	-0.002313	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	4.70	0.001754	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	8.50	0.003392	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	9.10	0.003631	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	3.80	0.001516	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	7.30	0.002913	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-0.40	-0.000160	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	3.20	0.001277	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	6.00	0.002394	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	6.70	0.002674	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-0.60	-0.000239	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	0.40	0.000154	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-4.40	-0.001697	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.60	-0.000231	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.00	-0.001157	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-3.10	-0.001196	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-6.80	-0.002622	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	7.30	0.002815	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-0.80	-0.000309	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	9.30	0.003587	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	1.70	0.000634	±2.5	PASS



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Band41	20MHz	QPSK	41490	100RB#0	NV	-20	10.90	0.004067	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-1.60	-0.000597	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	5.20	0.001940	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-5.50	-0.002052	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-4.40	-0.001642	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-1.70	-0.000634	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-4.90	-0.001828	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	0.70	0.000261	±2.5	PASS



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