



# 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	23.06	22.54	30.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.09	22.57	30.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.08	22.56	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.13	21.61	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.18	21.66	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.16	21.64	30.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.15	21.63	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.69	22.17	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.78	22.26	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.80	22.28	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.82	21.30	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.86	21.34	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.80	21.28	30.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.85	21.33	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.14	22.62	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.07	22.55	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.20	22.68	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.15	21.63	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.11	21.59	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.09	21.57	30.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.99	21.47	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.18	21.66	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.26	21.74	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.22	21.70	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.08	20.56	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.14	20.62	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.12	20.60	30.00	PASS



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Band41	5MHz	16QAM	39675	25RB#0	21.16	20.64	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.65	21.13	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.17	21.65	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.06	21.54	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.90	20.38	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.84	20.32	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.79	20.27	30.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.89	20.37	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.39	21.87	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.48	21.96	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.02	21.50	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.02	20.50	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.09	20.57	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.08	20.56	30.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.13	20.61	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.08	20.56	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	21.18	20.66	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.15	20.63	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	19.98	19.46	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	20.04	19.52	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	20.05	19.53	30.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	20.07	19.55	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	20.57	20.05	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.08	20.56	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	20.96	20.44	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	19.85	19.33	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	19.79	19.27	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	19.72	19.20	30.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	19.83	19.31	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.32	20.80	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.41	20.89	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	20.96	20.44	30.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	19.94	19.42	30.00	PASS



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Band41	5MHz	64QAM	41565	12RB#6	20.03	19.51	30.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	20.01	19.49	30.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.03	19.51	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.92	22.40	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.18	22.66	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.98	22.46	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.17	21.65	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.95	21.43	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.19	21.67	30.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.08	21.56	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.30	21.78	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.62	22.10	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.67	22.15	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.95	21.43	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.90	21.38	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.74	21.22	30.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.85	21.33	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.86	22.34	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.85	22.33	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.89	22.37	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.06	21.54	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.07	21.55	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.06	21.54	30.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.12	21.60	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.33	21.81	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.28	21.76	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.28	21.76	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.17	20.65	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.96	20.44	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.09	20.57	30.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.19	20.67	30.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.97	21.45	30.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.84	21.32	30.00	PASS



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Band41	10MHz	16QAM	40620	1RB#49	21.96	21.44	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.89	20.37	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.83	20.31	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.85	20.33	30.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.97	20.45	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.84	21.32	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.10	21.58	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.08	21.56	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.99	20.47	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.11	20.59	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.08	20.56	30.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.14	20.62	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.09	20.57	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.19	20.67	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.14	20.62	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	19.98	19.46	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	20.09	19.57	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	20.07	19.55	30.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.11	19.59	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	20.59	20.07	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	21.12	20.60	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	20.99	20.47	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	19.81	19.29	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	19.78	19.26	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	19.72	19.20	30.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	19.83	19.31	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.31	20.79	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.41	20.89	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	20.92	20.40	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	19.92	19.40	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	20.01	19.49	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	20.00	19.48	30.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.07	19.55	30.00	PASS



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Band41	15MHz	QPSK	39725	1RB#0	22.87	22.35	30.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.88	22.36	30.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.73	22.21	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	22.05	21.53	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	21.95	21.43	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	21.87	21.35	30.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.95	21.43	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.53	22.01	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.53	22.01	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.63	22.11	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	21.85	21.33	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	21.74	21.22	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	21.75	21.23	30.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.81	21.29	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.84	22.32	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.62	22.10	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.77	22.25	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	21.84	21.32	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	21.85	21.33	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	21.81	21.29	30.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.87	21.35	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.02	21.50	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.97	21.45	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.93	21.41	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	20.98	20.46	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	20.91	20.39	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	20.82	20.30	30.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.04	20.52	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.79	21.27	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.76	21.24	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.75	21.23	30.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	20.74	20.22	30.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	20.72	20.20	30.00	PASS



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Band41	15MHz	16QAM	40620	36RB#0	20.71	20.19	30.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.71	20.19	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.89	21.37	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.71	21.19	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.88	21.36	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	20.91	20.39	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	20.83	20.31	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	20.77	20.25	30.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.97	20.45	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.08	20.56	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.20	20.68	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.16	20.64	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	19.98	19.46	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	20.08	19.56	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#39	20.02	19.50	30.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.11	19.59	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	20.55	20.03	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.12	20.60	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	20.98	20.46	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	19.84	19.32	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	19.75	19.23	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	19.69	19.17	30.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	19.82	19.30	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.31	20.79	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.38	20.86	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	20.95	20.43	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	19.92	19.40	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	19.99	19.47	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	20.00	19.48	30.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.08	19.56	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.86	22.34	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.74	22.22	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.71	22.19	30.00	PASS



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Band41	20MHz	QPSK	39750	50RB#50	22.11	21.59	30.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.05	21.53	30.00	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.87	21.35	30.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.96	21.44	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.61	22.09	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.51	21.99	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.65	22.13	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.74	21.22	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.67	21.15	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.76	21.24	30.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.78	21.26	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.68	22.16	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.64	22.12	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.70	22.18	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.79	21.27	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.90	21.38	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.81	21.29	30.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.90	21.38	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.01	21.49	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.84	21.32	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.93	21.41	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.99	20.47	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.05	20.53	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.88	20.36	30.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.97	20.45	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.82	21.30	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.63	21.11	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.75	21.23	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.83	20.31	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.69	20.17	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.76	20.24	30.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.81	20.29	30.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.85	21.33	30.00	PASS



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Band41	20MHz	16QAM	41490	1RB#49	21.77	21.25	30.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.02	21.50	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.79	20.27	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.90	20.38	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.84	20.32	30.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.91	20.39	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.08	20.56	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.16	20.64	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.15	20.63	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	20.02	19.50	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	20.07	19.55	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	20.06	19.54	30.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.11	19.59	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	20.59	20.07	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.12	20.60	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	20.97	20.45	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	19.82	19.30	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	19.77	19.25	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	19.73	19.21	30.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	19.83	19.31	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	21.30	20.78	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.42	20.90	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	20.94	20.42	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#0	19.93	19.41	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	20.01	19.49	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	20.01	19.49	30.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.07	19.55	30.00	PASS

Remark:

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

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

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



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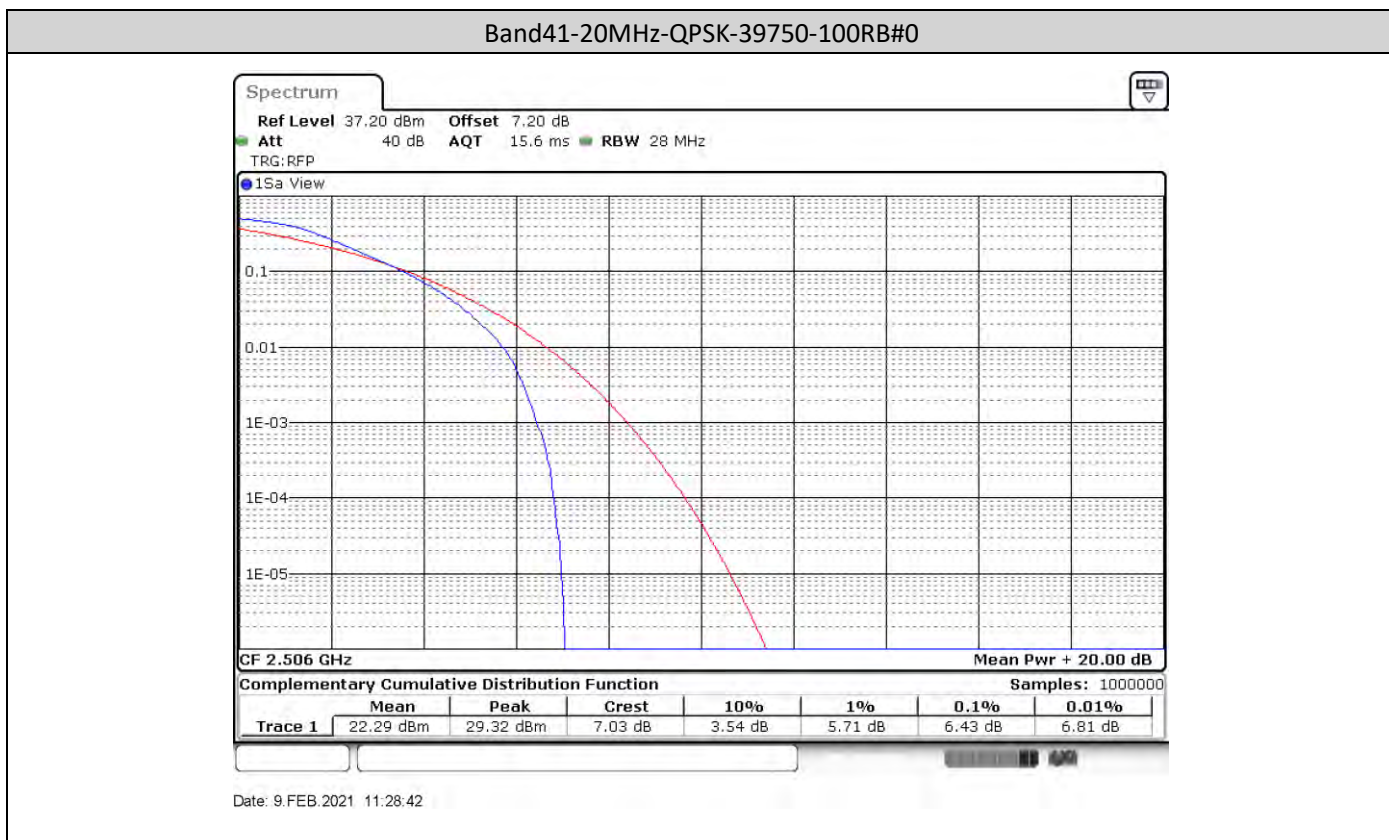


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	6.43	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.70	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.03	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.49	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.88	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.59	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.33	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.30	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.07	13	PASS

### 2.2. Test Plots

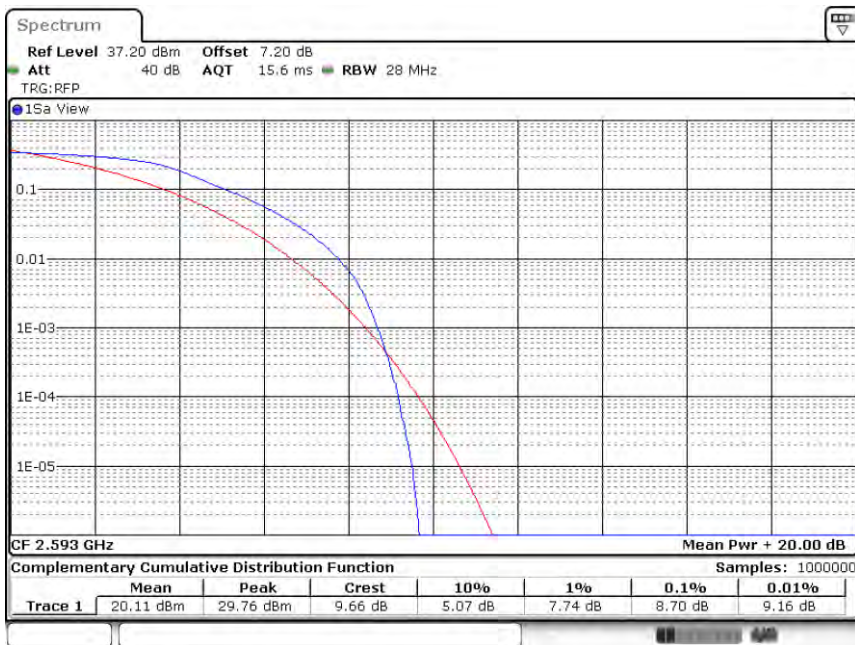


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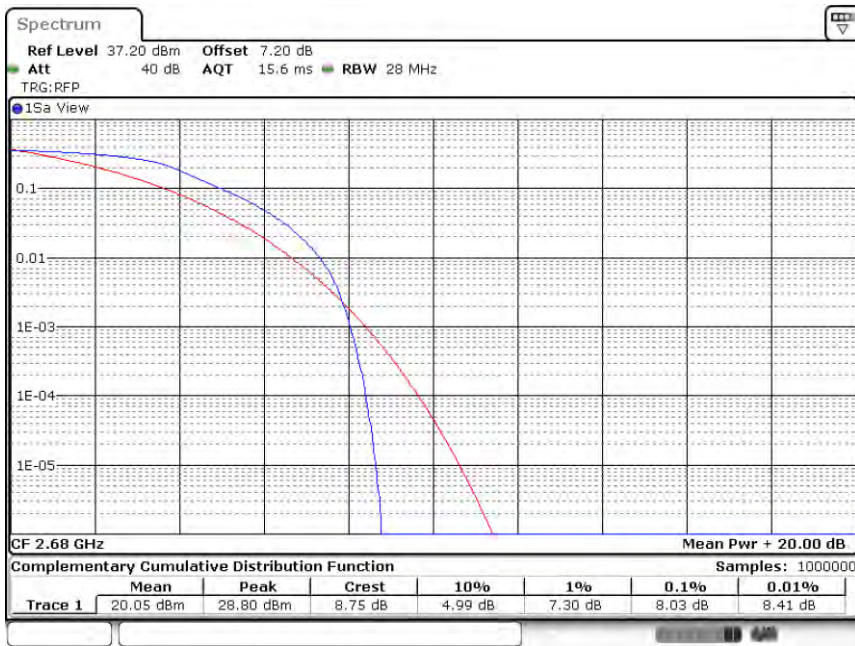
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**Band41-20MHz-QPSK-40620-100RB#0**



Date: 9.FEB.2021 11:29:04

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

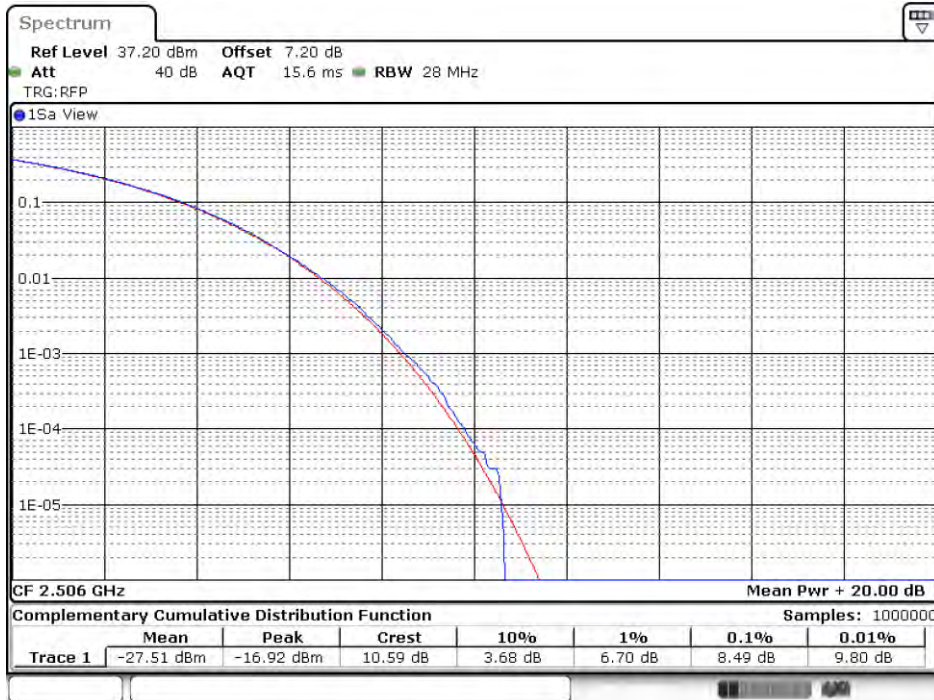


Date: 9.FEB.2021 11:29:27



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



Date: 9.FEB.2021 15:48:24

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

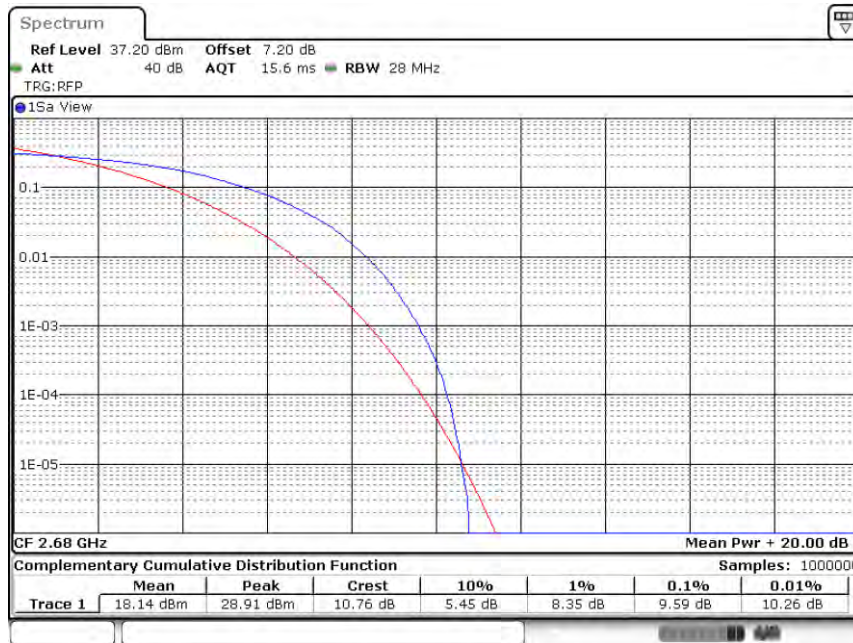


Date: 9.FEB.2021 15:48:35



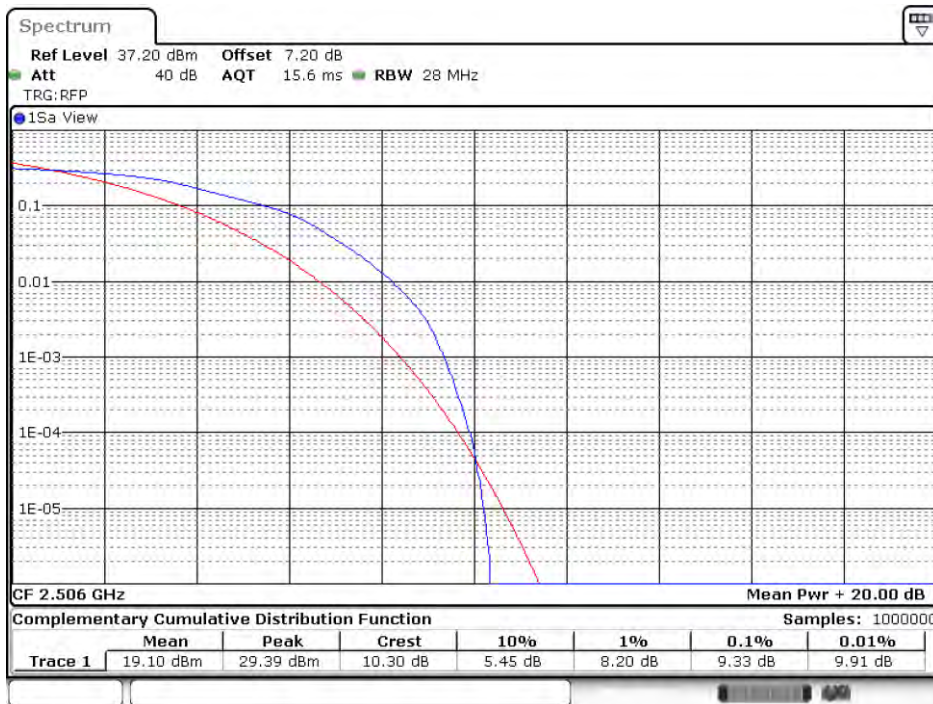
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**Band41-20MHz-64QAM-41490-100RB#0**



Date: 9.FEB.2021 15:48:47

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



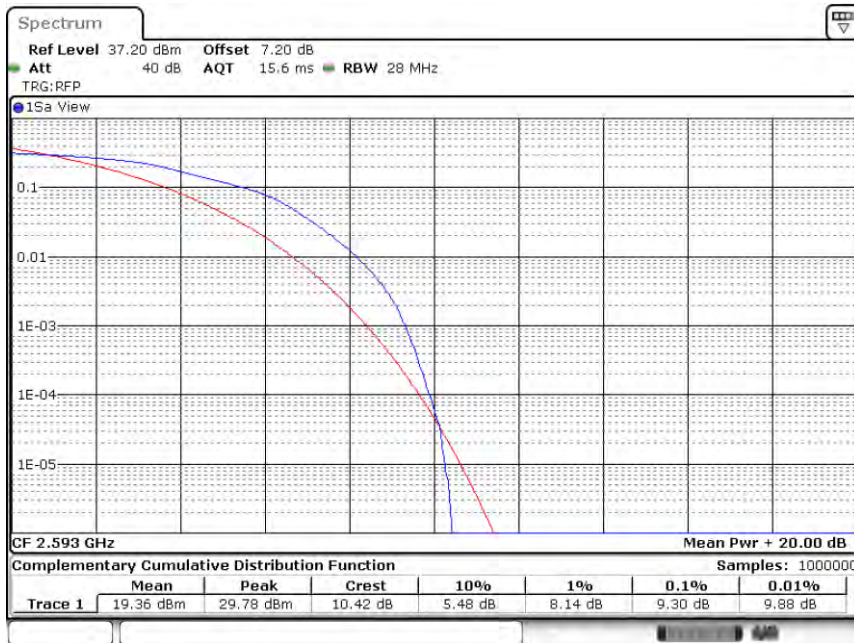
Date: 9.FEB.2021 11:28:53



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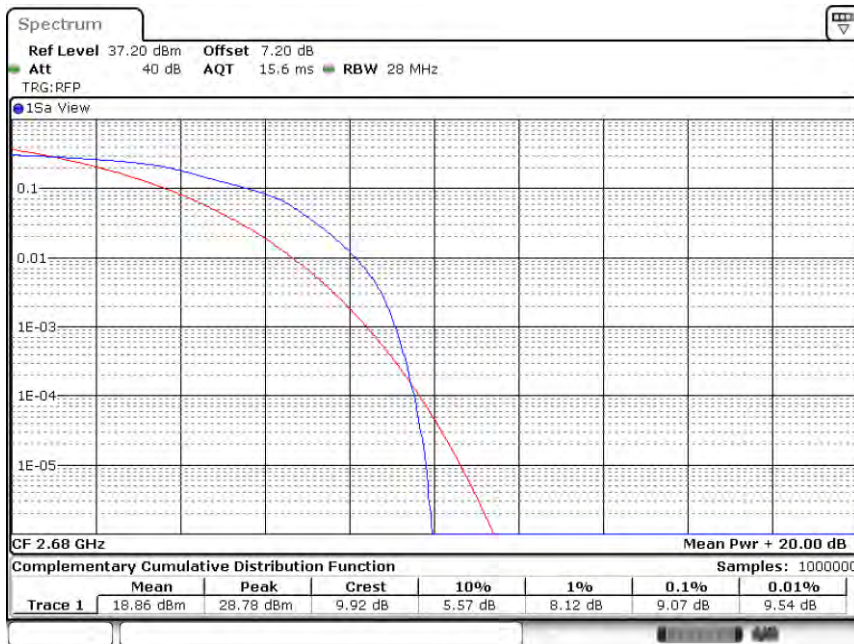


Band41-20MHz-16QAM-40620-100RB#0



Date: 9.FEB.2021 11:29:16

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



Date: 9.FEB.2021 11:29:38



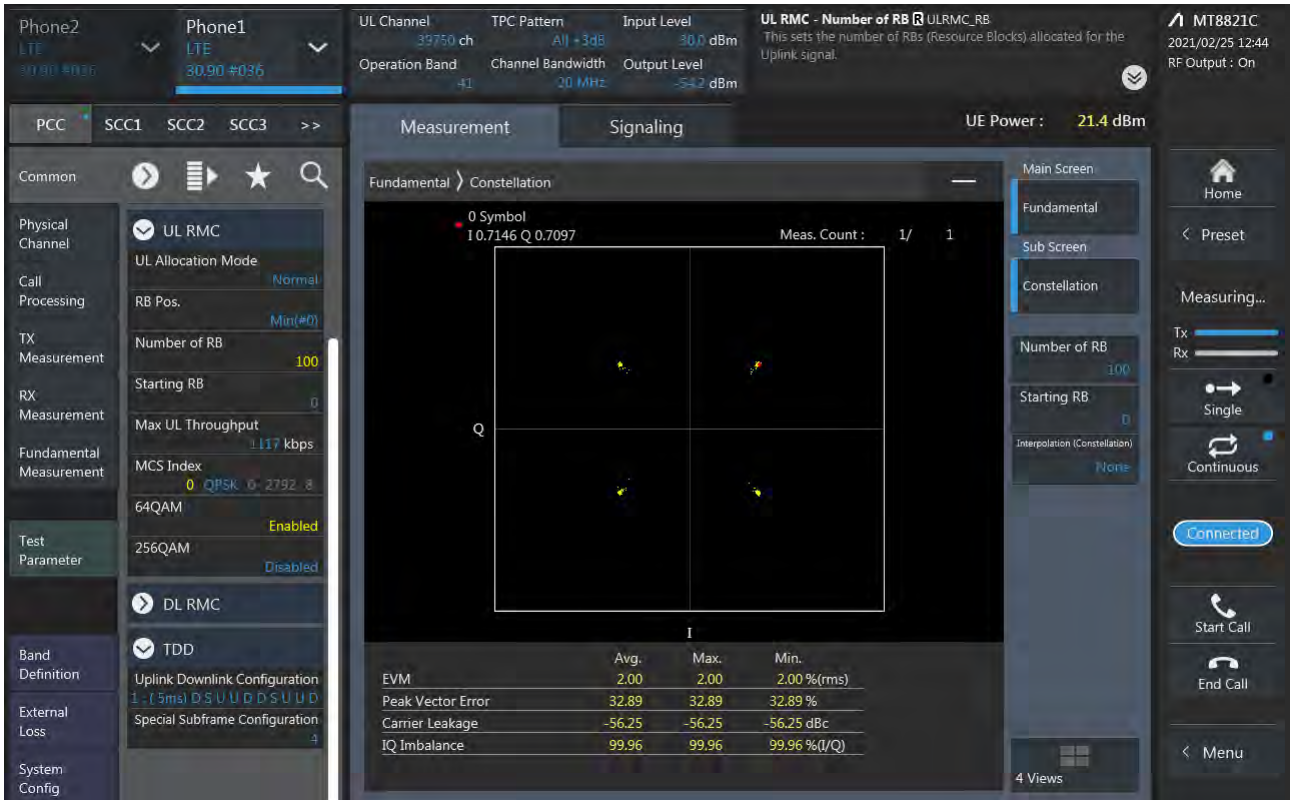
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### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH

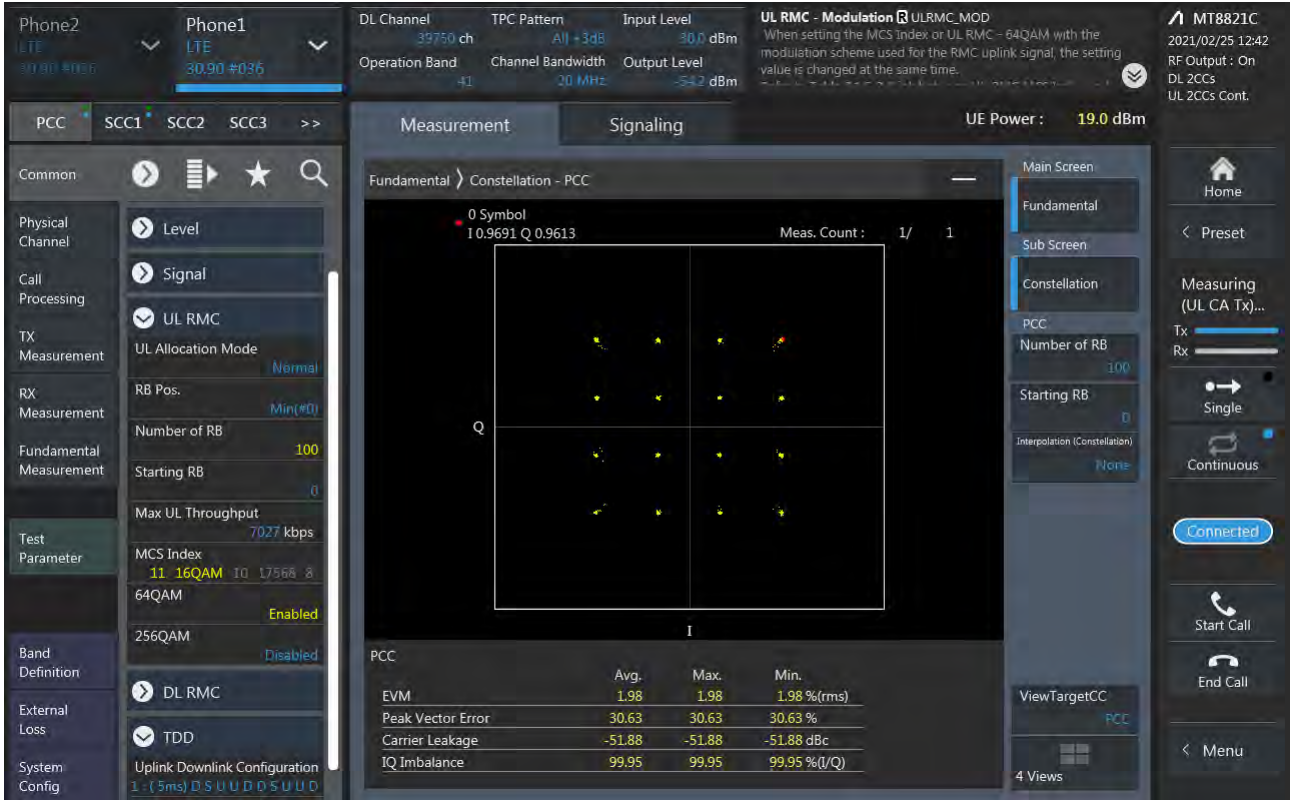


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### 3.2. Test Mode = LTE /TM2 20MHz

#### 3.2.1. Test Channel = MCH

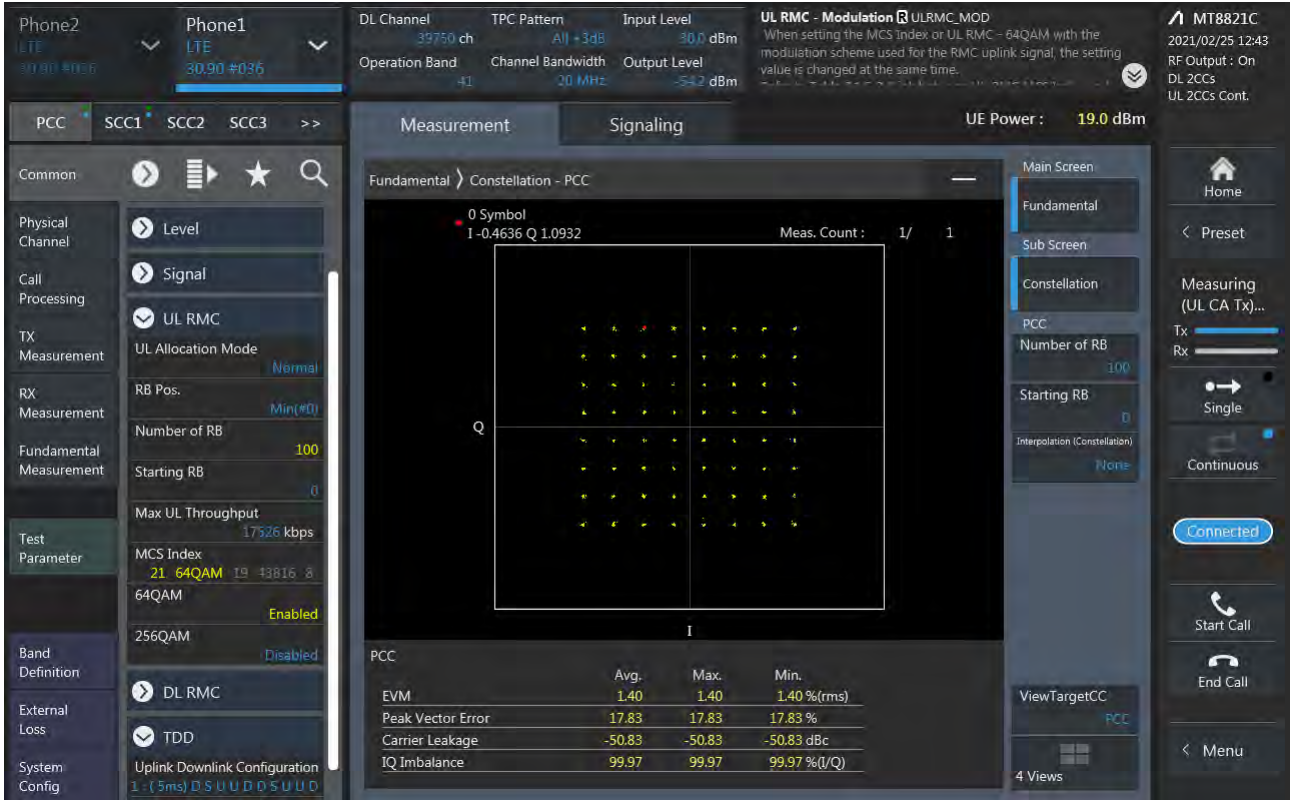


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### 3.3. Test Mode = LTE /TM3 20MHz

#### 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	39675	25RB#0	4.466	4.910	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	5.100	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	5.000	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.486	5.120	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.486	5.100	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.486	5.110	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	5.060	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.496	5.020	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	5.050	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.740	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.740	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.740	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.931	9.760	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.951	9.800	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.951	9.800	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.740	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.931	9.720	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.931	9.720	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.516	16.710	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.516	16.890	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.516	16.590	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.487	15.060	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.487	15.300	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.487	15.210	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.487	15.270	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.487	15.390	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.487	15.360	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.942	20.240	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.942	20.440	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.942	20.240	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.942	20.080	PASS



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Band41	20MHz	64QAM	40620	100RB#0	17.942	20.040	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.942	19.920	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.942	20.080	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.902	19.920	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.942	20.000	PASS



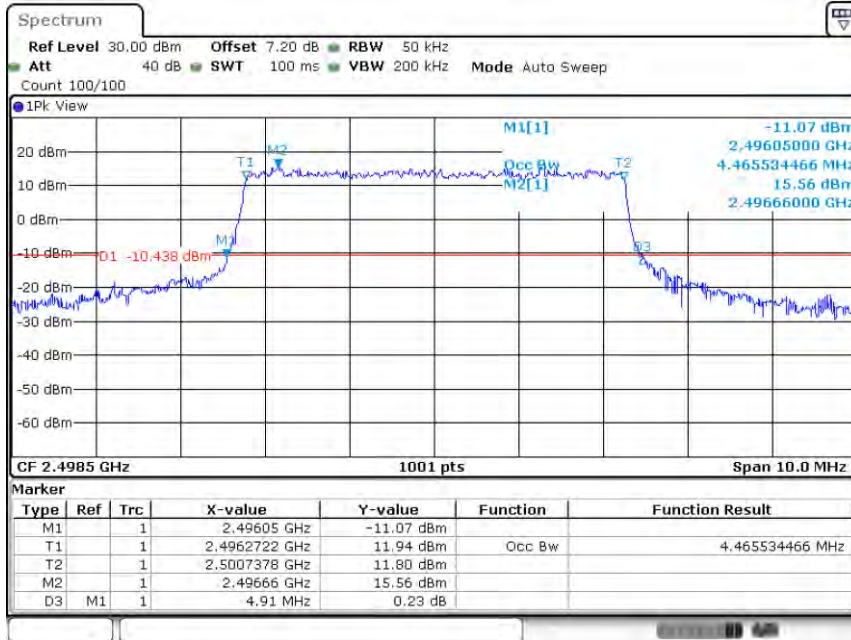
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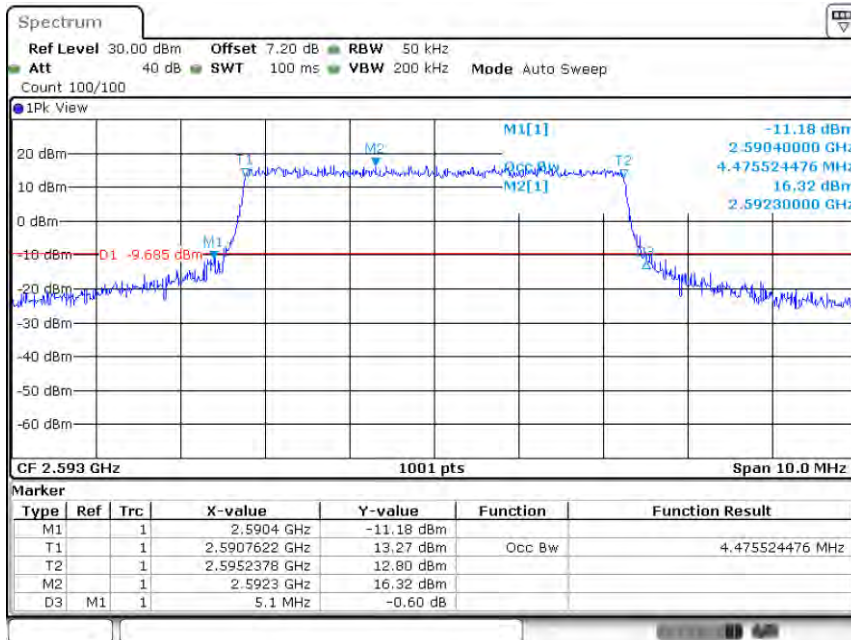
### 4.2. Test Plots

Band41-5MHz-QPSK-39675-25RB#0-4.466



Date: 9.FEB.2021 15:52:08

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

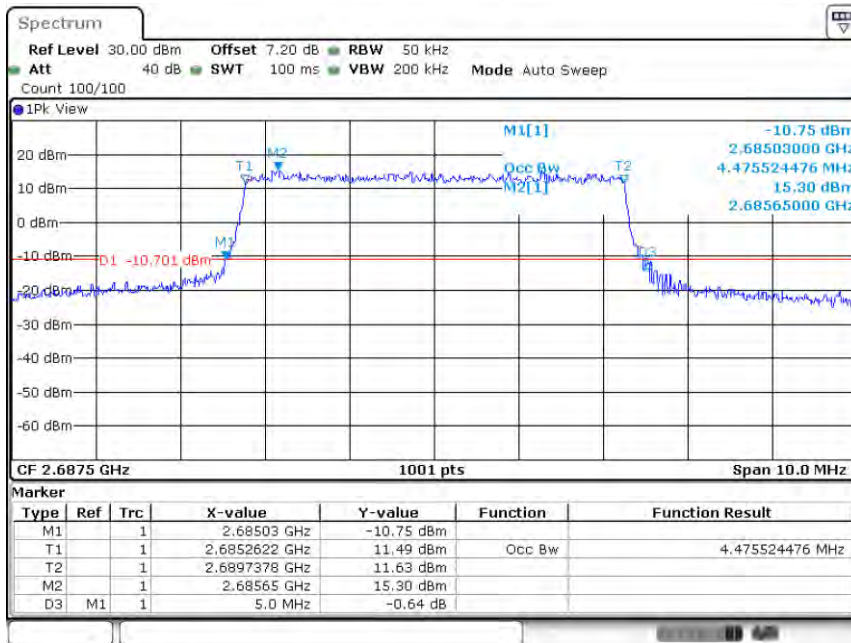


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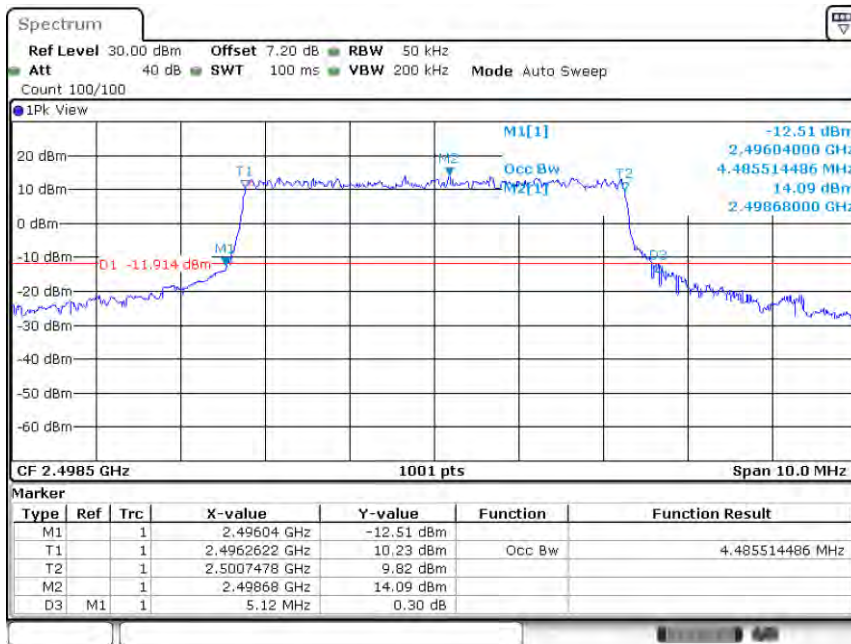


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**Band41-5MHz-QPSK-41565-25RB#0-4.476**

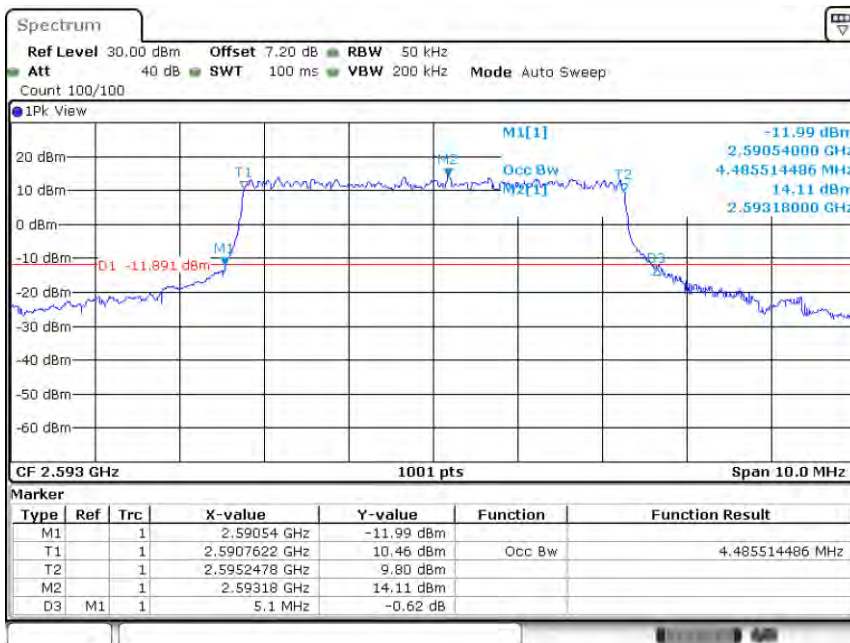


**Band41-5MHz-64QAM-39675-25RB#0-4.486**



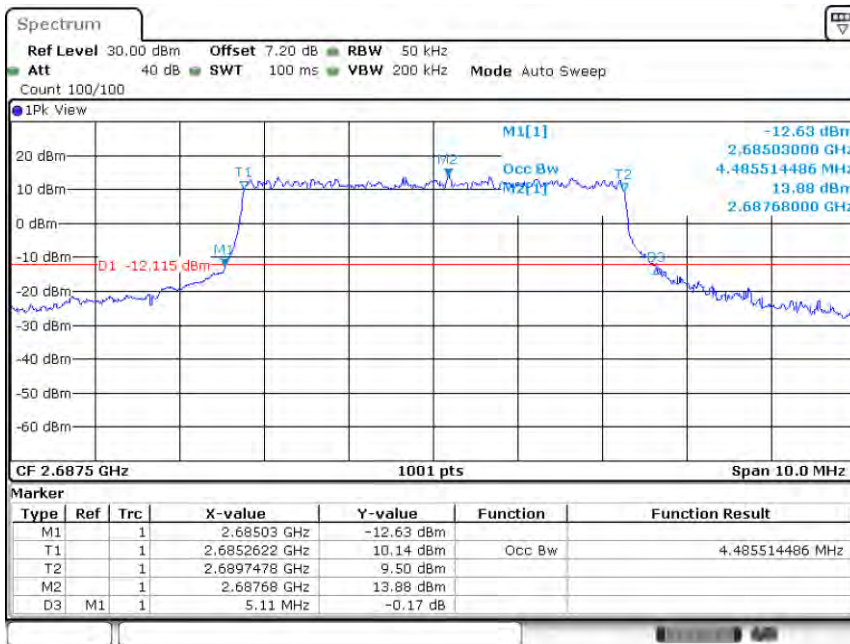
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**Band41-5MHz-64QAM-40620-25RB#0-4.486**



Date: 9.FEB.2021 15:31:32

**Band41-5MHz-64QAM-41565-25RB#0-4.486**



Date: 9.FEB.2021 15:32:17



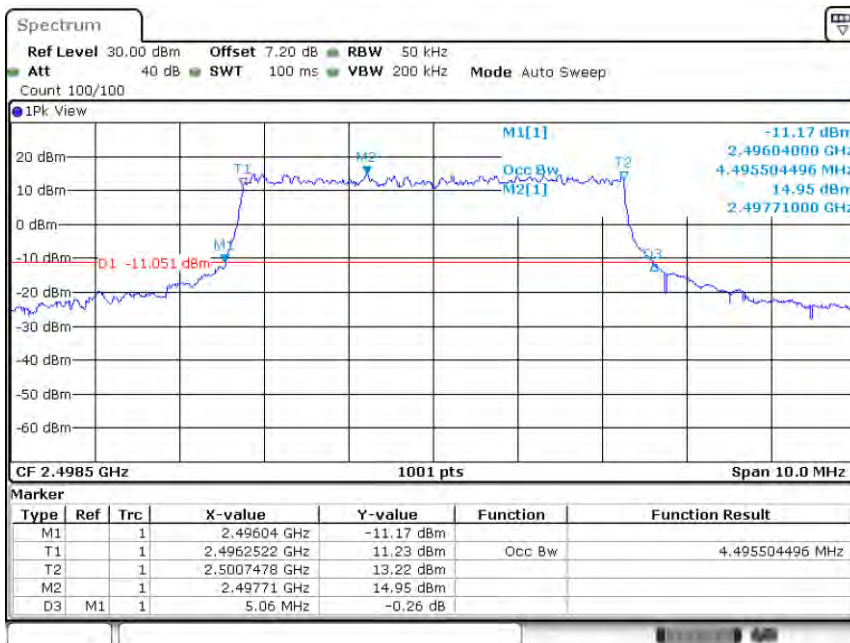
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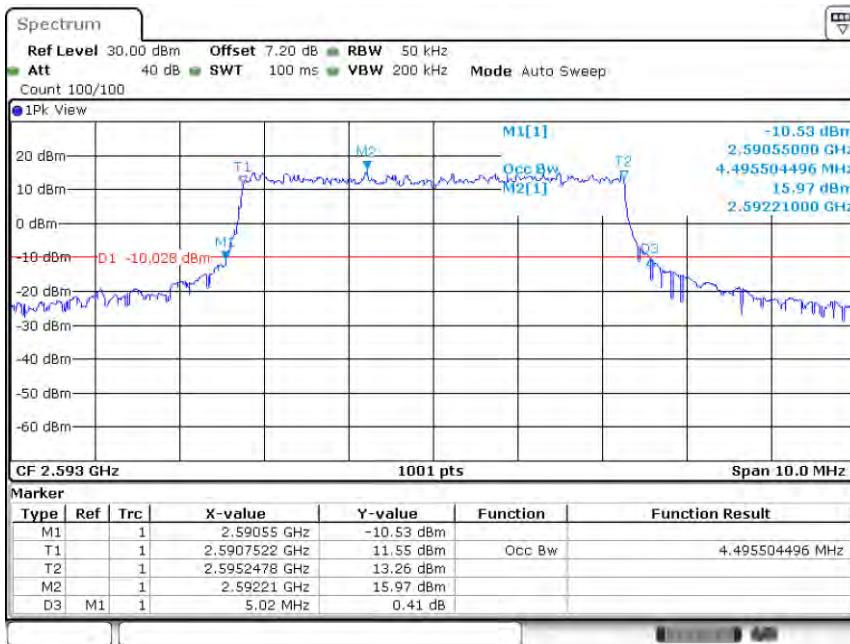
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**Band41-5MHz-16QAM-39675-25RB#0-4.496**



**Band41-5MHz-16QAM-40620-25RB#0-4.496**

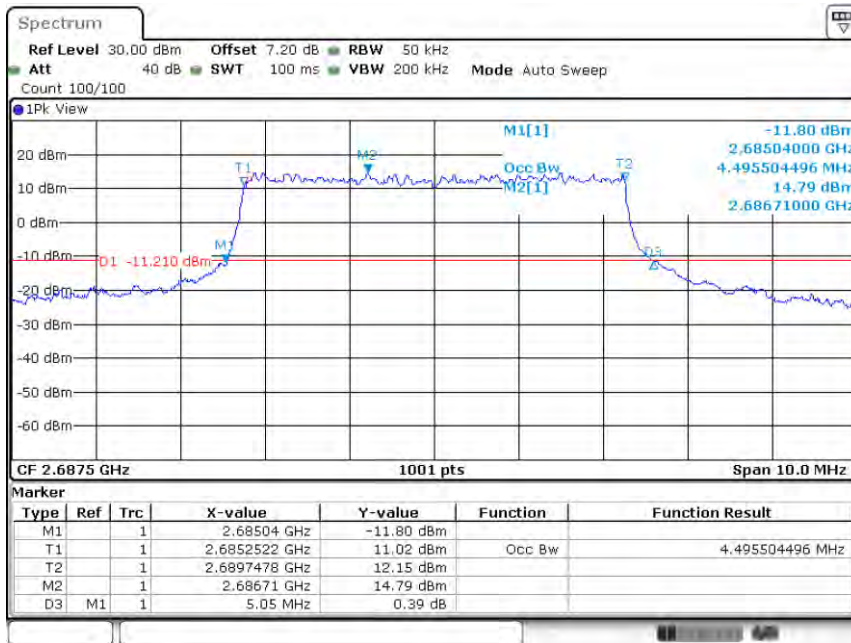


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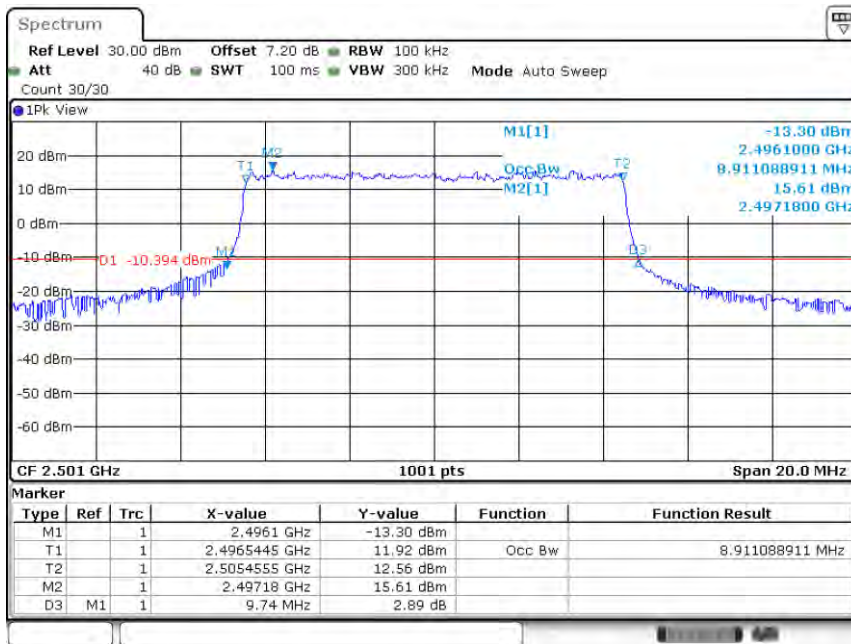
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**Band41-5MHz-16QAM-41565-25RB#0-4.496**



Date: 9.FEB.2021 15:57:53

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



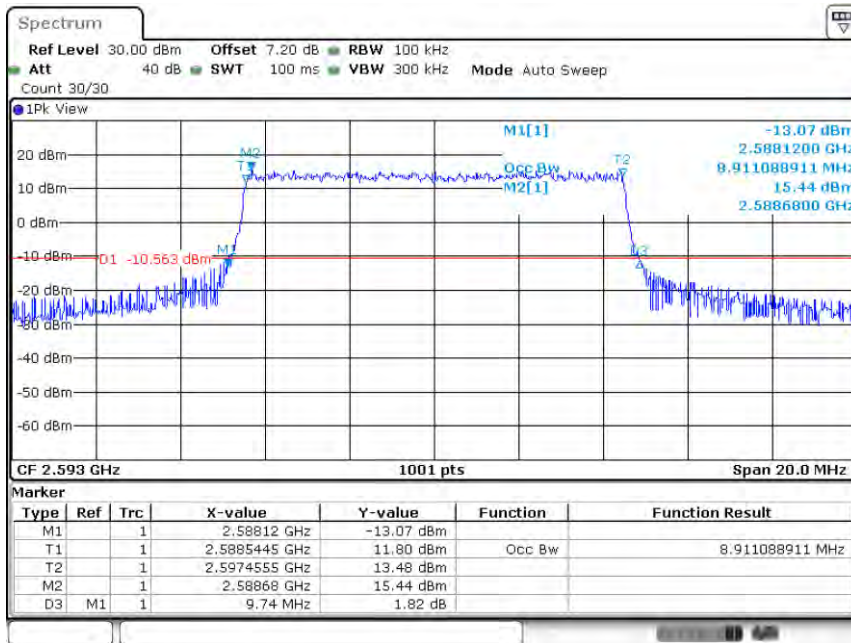
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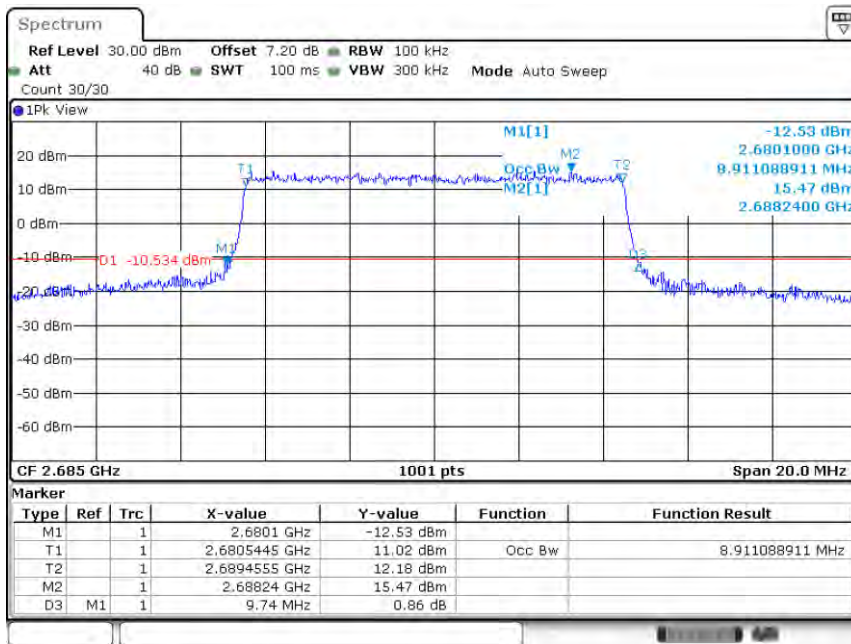
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**Band41-10MHz-QPSK-40620-50RB#0-8.911**



Date: 9.FEB.2021 15:58:59

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



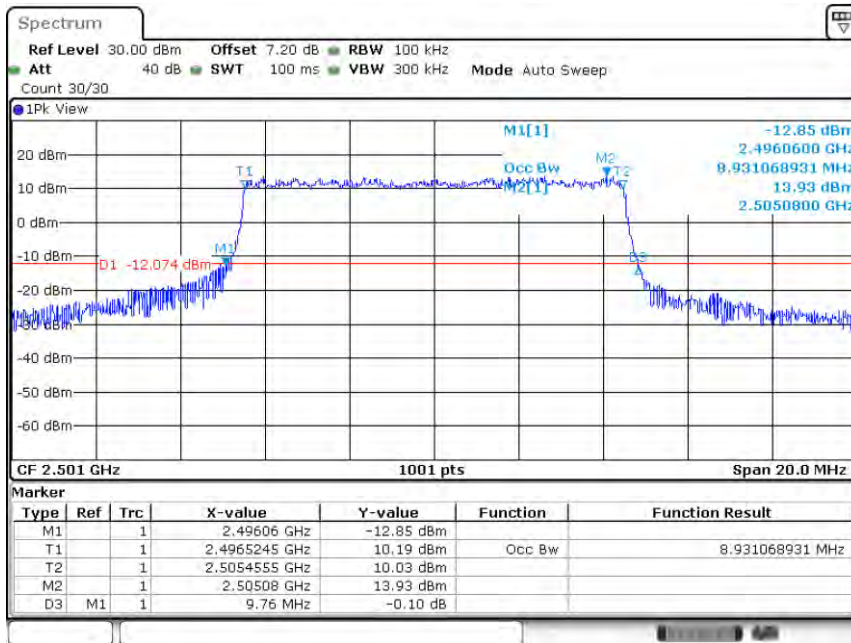
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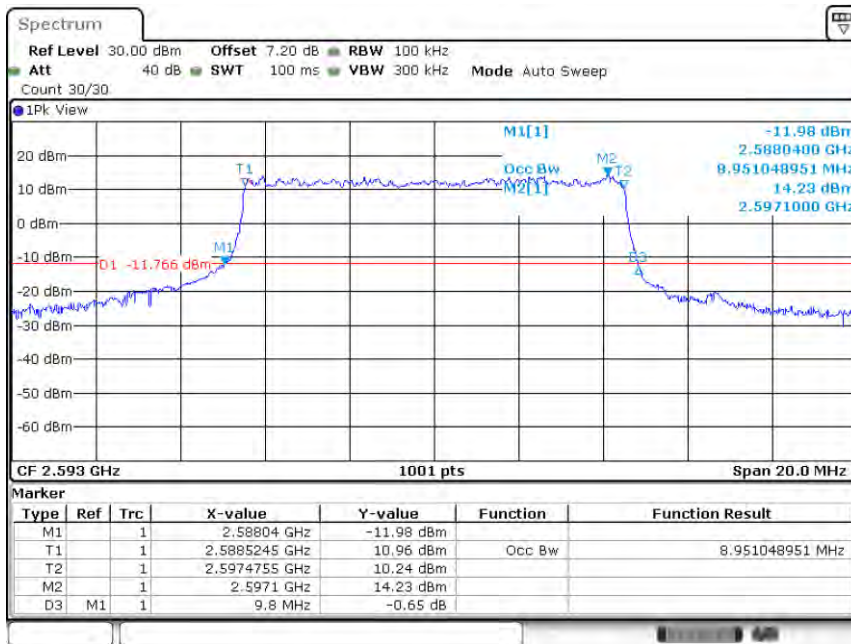


**Band41-10MHz-64QAM-39700-50RB#0-8.931**



Date: 9.FEB.2021 15:32:35

**Band41-10MHz-64QAM-40620-50RB#0-8.951**



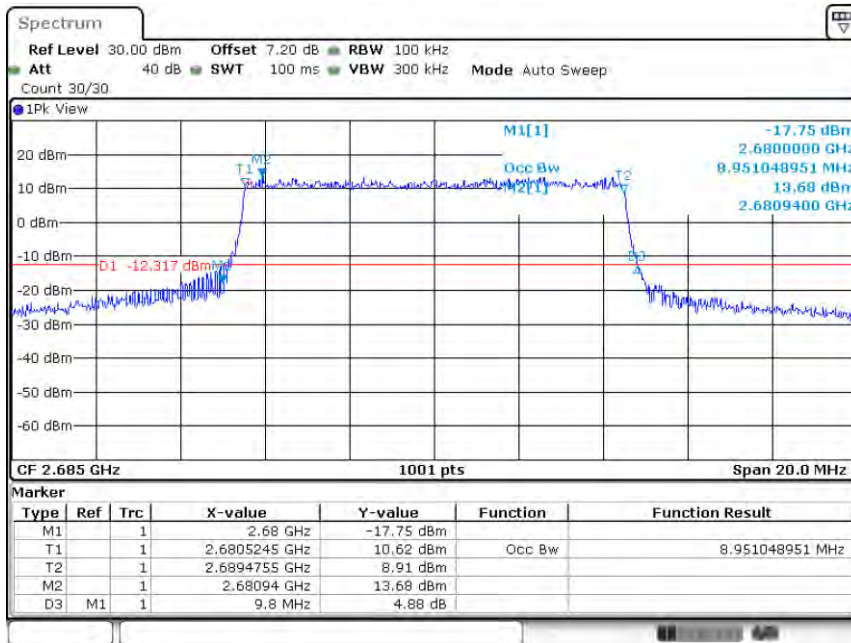
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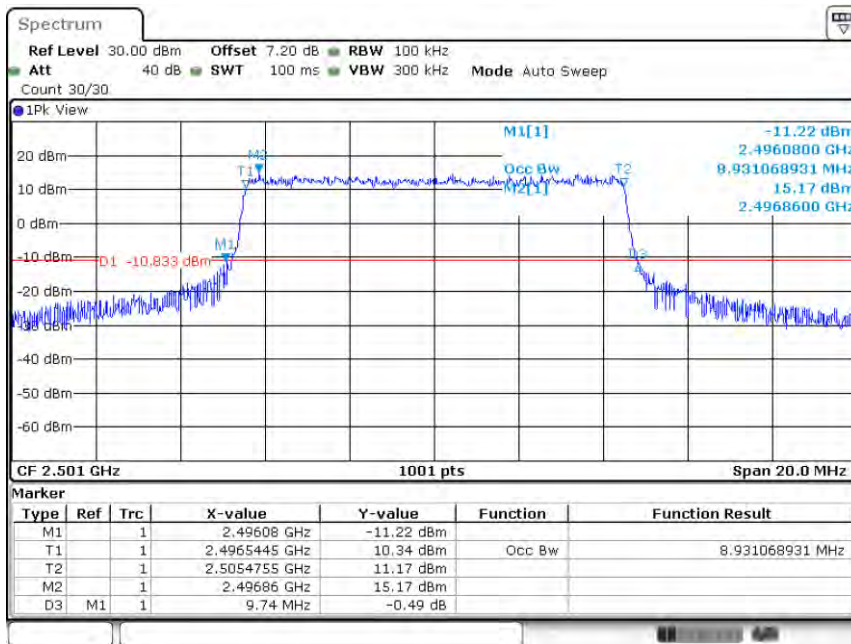


Band41-10MHz-64QAM-41540-50RB#0-8.951



Date: 9.FEB.2021 15:33:26

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



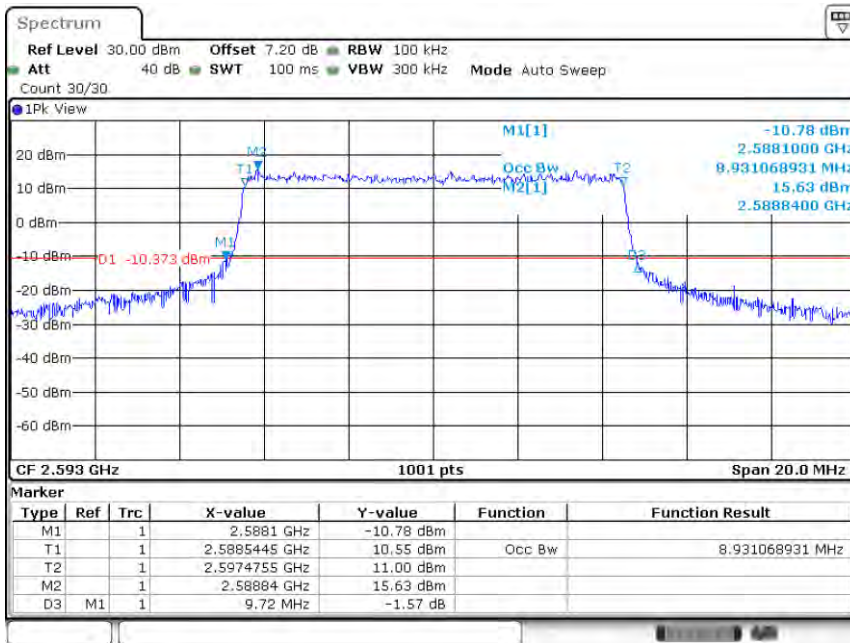
Date: 9.FEB.2021 15:58:46



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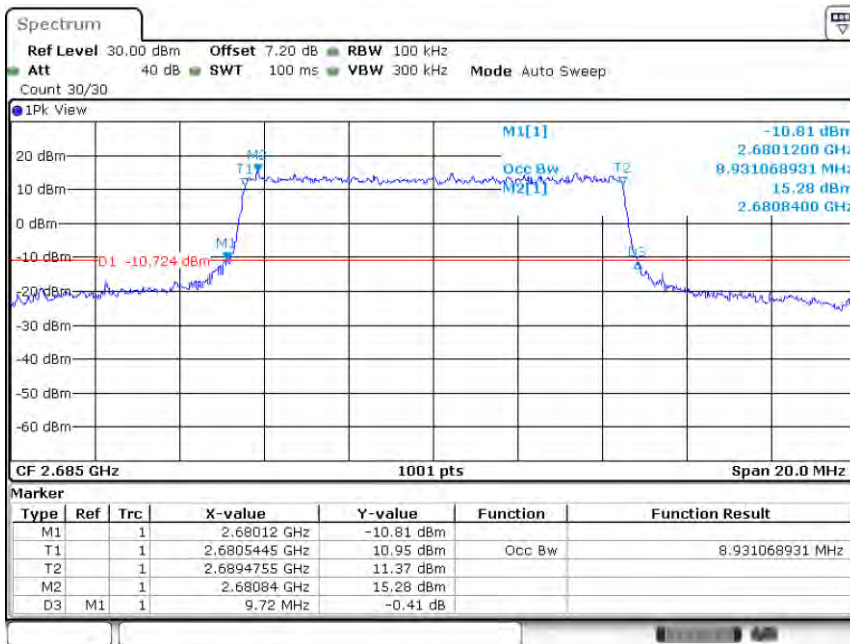


Band41-10MHz-16QAM-40620-50RB#0-8.931



Date: 9.FEB.2021 15:59:18

Band41-10MHz-16QAM-41540-50RB#0-8.931



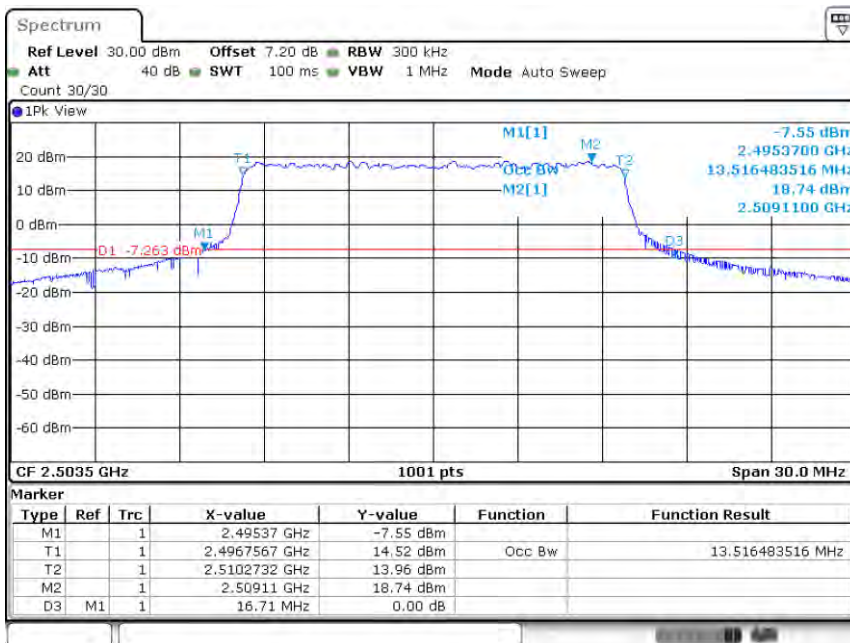
Date: 9.FEB.2021 16:00:01



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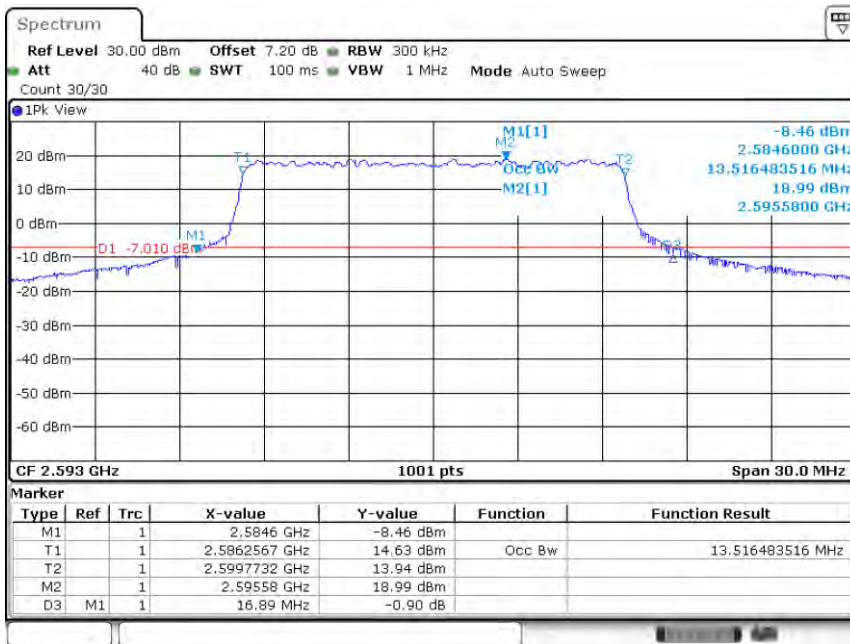


Band41-15MHz-QPSK-39725-75RB#0-13.516



Date: 9.FEB.2021 16:00:52

Band41-15MHz-QPSK-40620-75RB#0-13.516



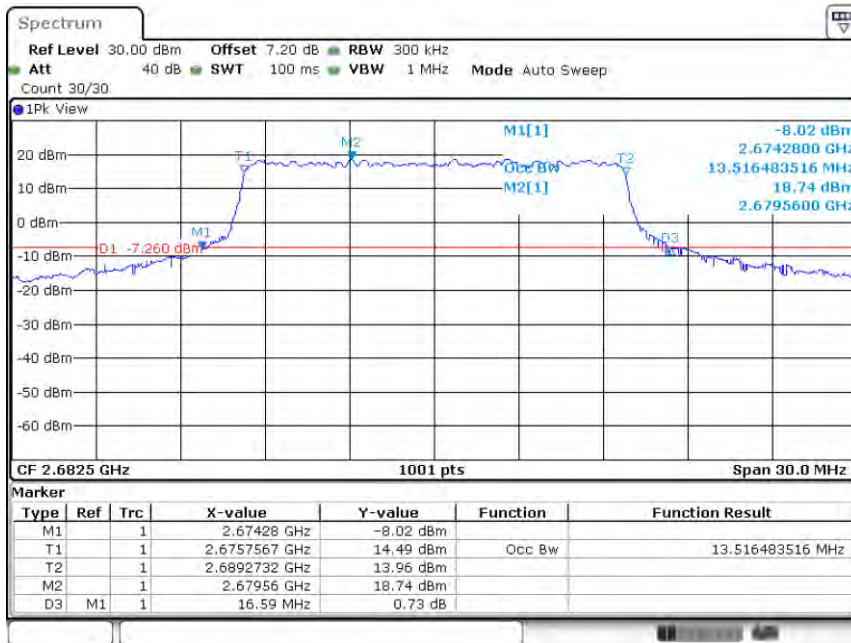
Date: 9.FEB.2021 16:02:03



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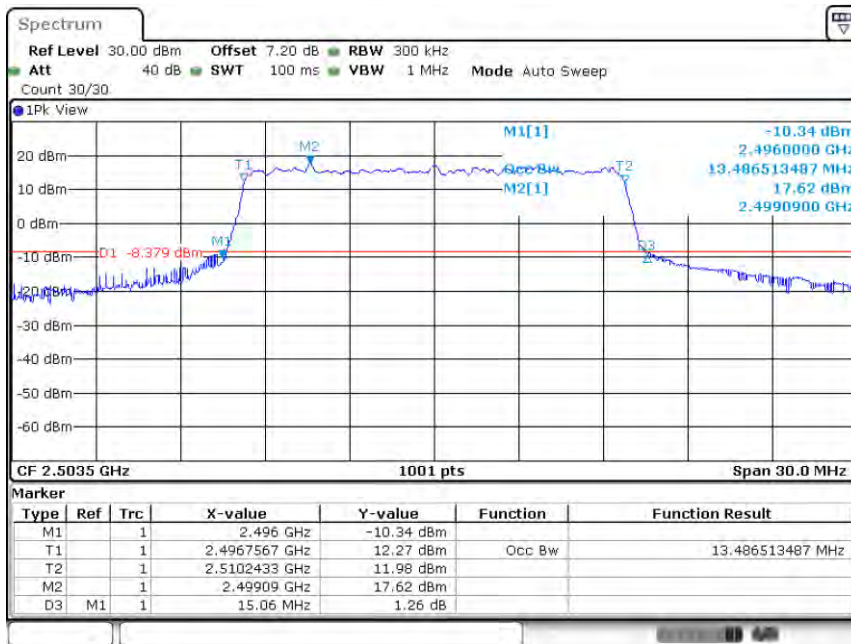


**Band41-15MHz-QPSK-41515-75RB#0-13.516**



Date: 9.FEB.2021 16:03:39

**Band41-15MHz-64QAM-39725-75RB#0-13.487**



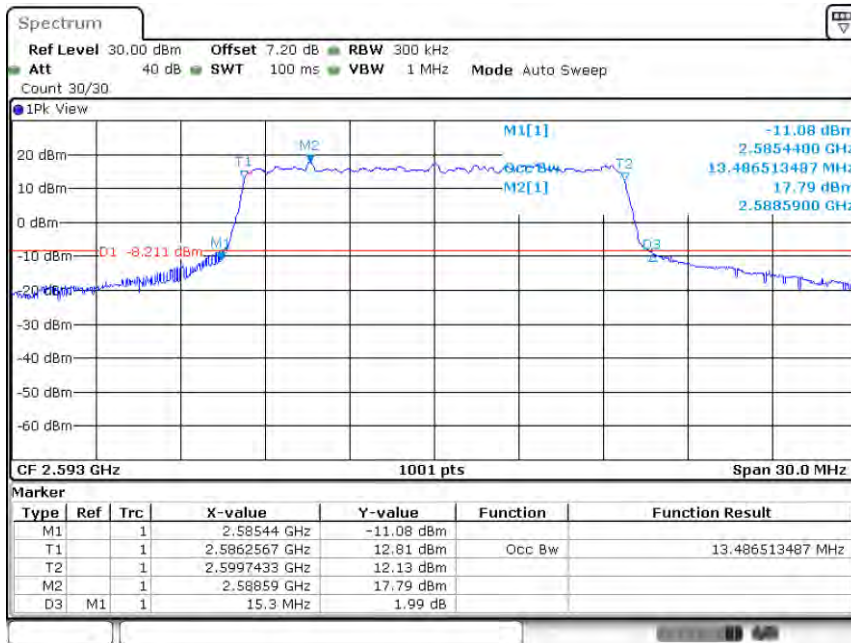
Date: 9.FEB.2021 15:34:31



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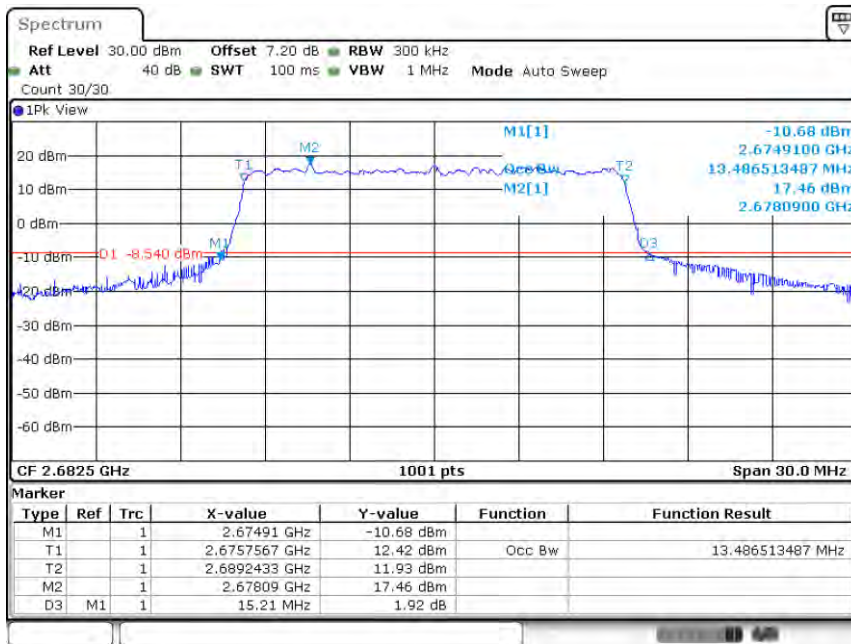


**Band41-15MHz-64QAM-40620-75RB#0-13.487**



Date: 9.FEB.2021 15:35:58

**Band41-15MHz-64QAM-41515-75RB#0-13.487**

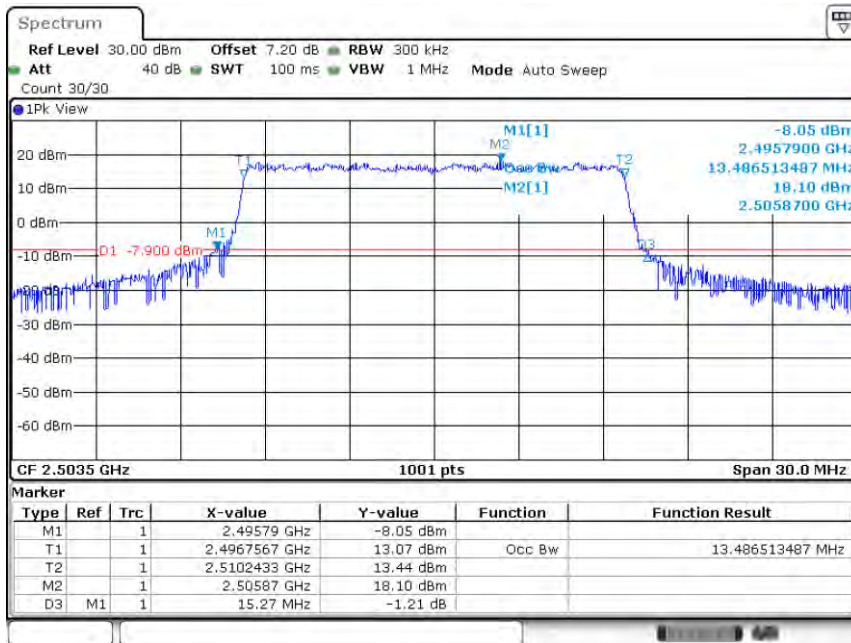


Date: 9.FEB.2021 15:36:35



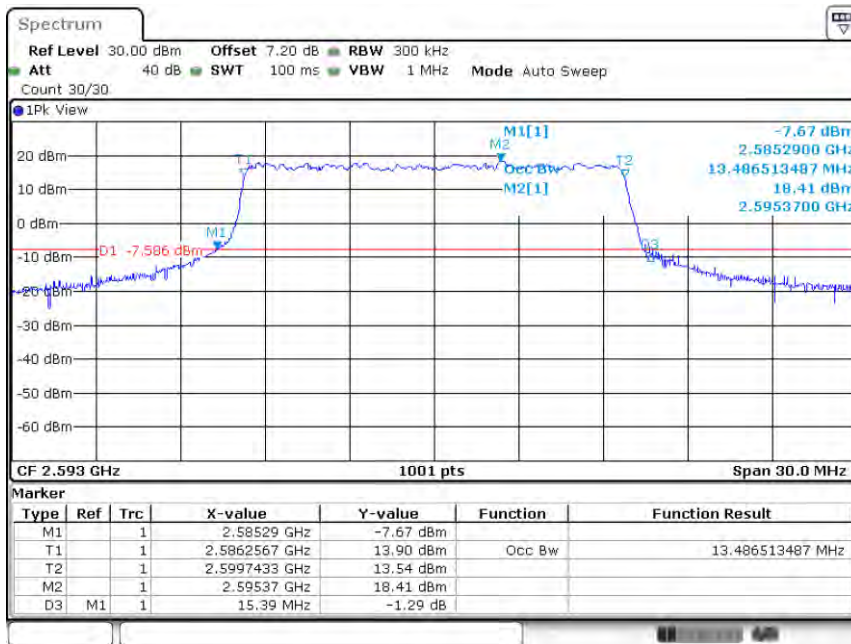
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**Band41-15MHz-16QAM-39725-75RB#0-13.487**



Date: 9.FEB.2021 16:01:04

**Band41-15MHz-16QAM-40620-75RB#0-13.487**

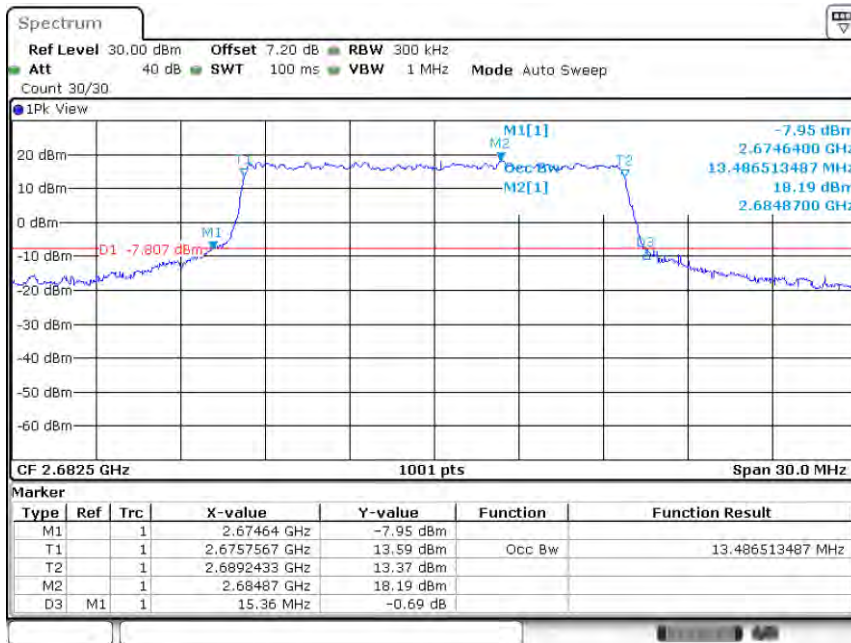


Date: 9.FEB.2021 16:02:36



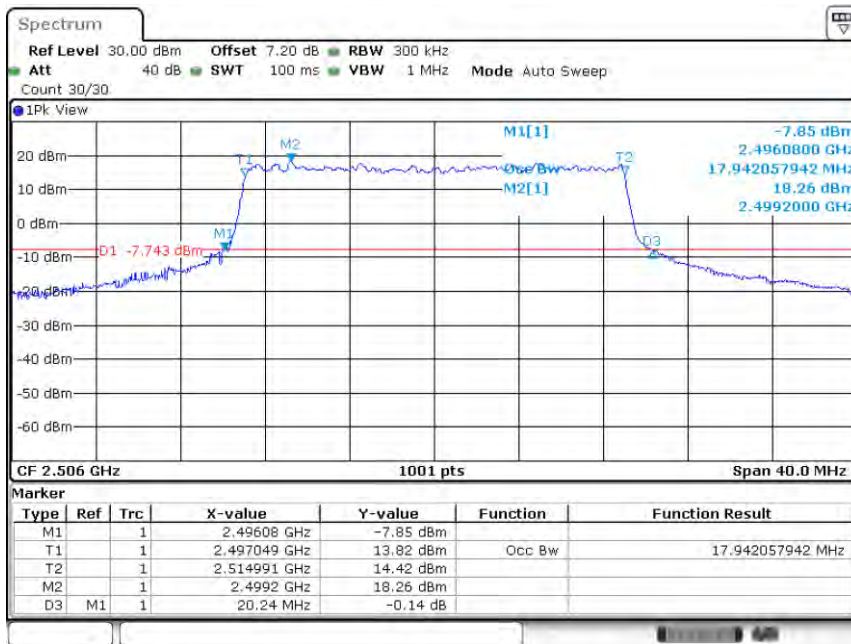
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**Band41-15MHz-16QAM-41515-75RB#0-13.487**



Date: 9.FEB.2021 16:05:07

**Band41-20MHz-QPSK-39750-100RB#0-17.942**



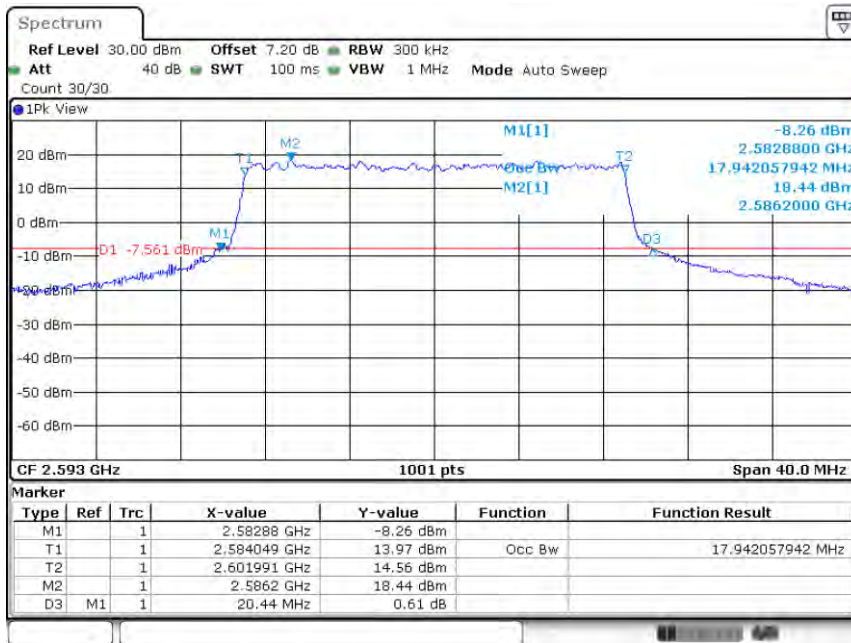
Date: 9.FEB.2021 16:05:58



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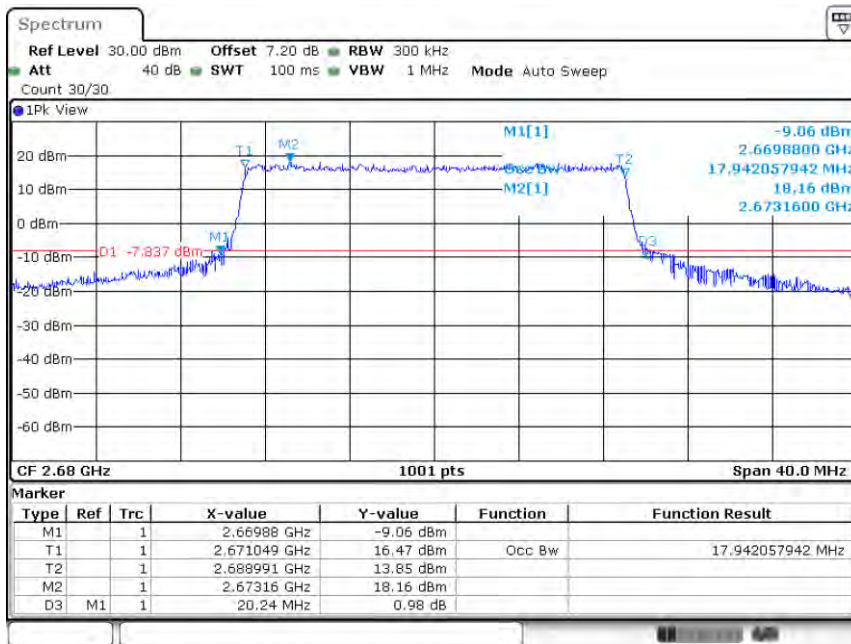


Band41-20MHz-QPSK-40620-100RB#0-17.942



Date: 9.FEB.2021 16:08:07

Band41-20MHz-QPSK-41490-100RB#0-17.942

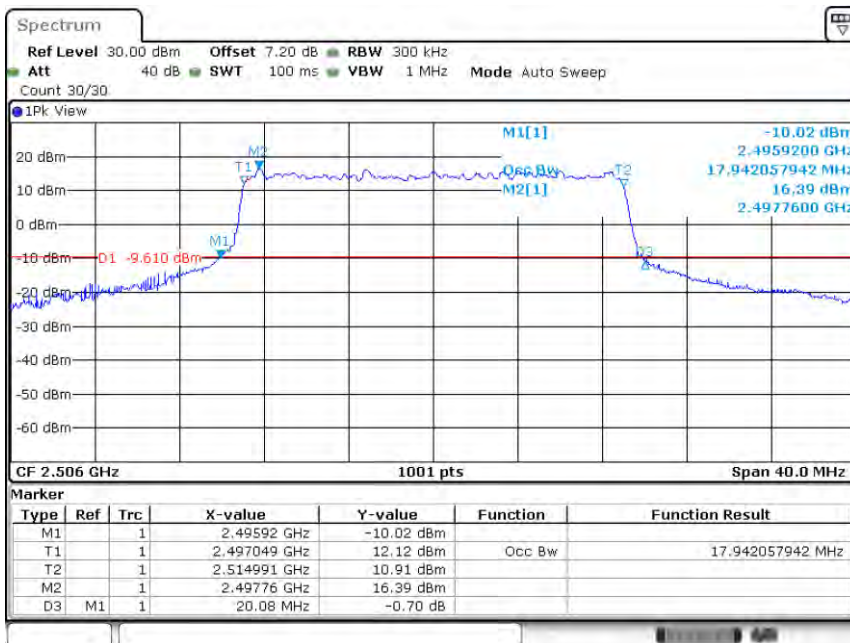


Date: 9.FEB.2021 16:11:45



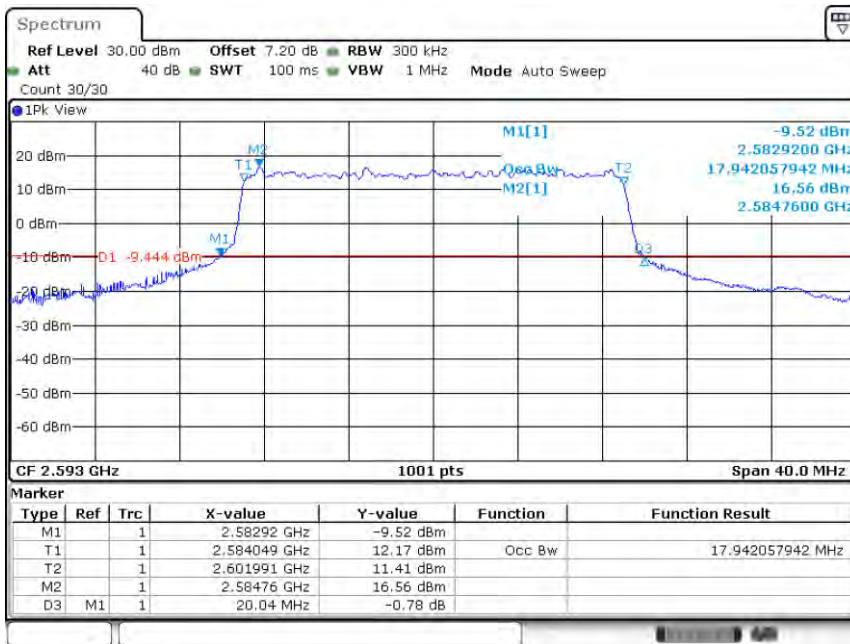
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**Band41-20MHz-64QAM-39750-100RB#0-17.942**



Date: 9.FEB.2021 15:37:41

**Band41-20MHz-64QAM-40620-100RB#0-17.942**

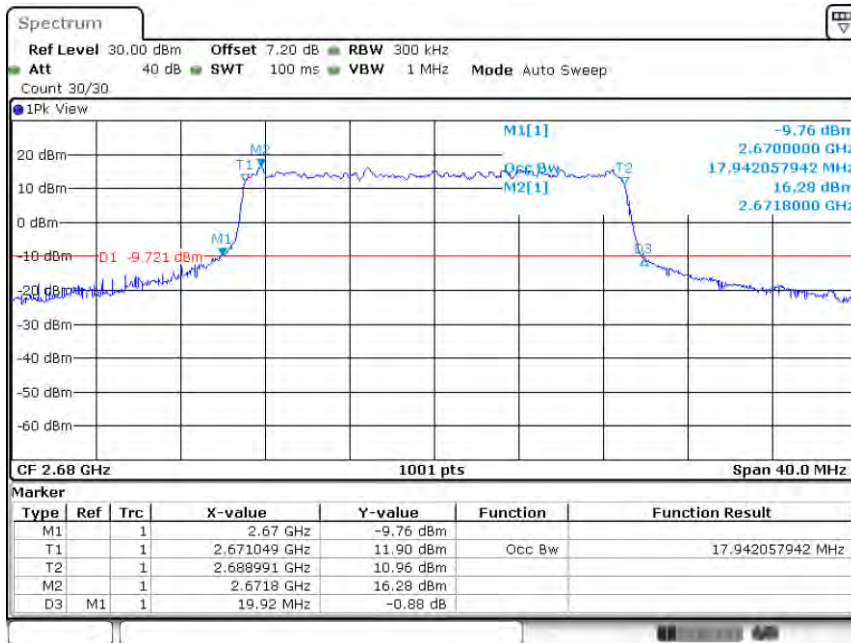


Date: 9.FEB.2021 15:38:59



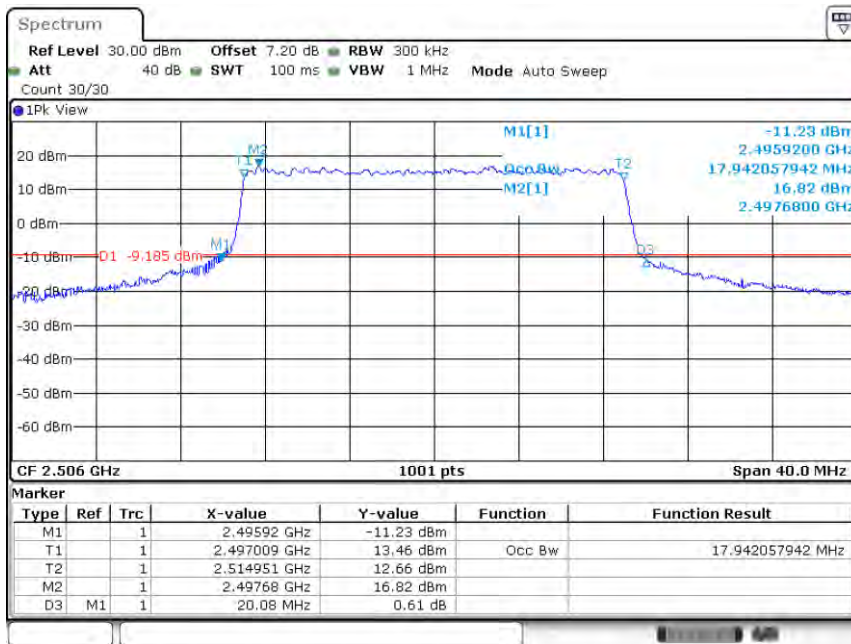
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**Band41-20MHz-64QAM-41490-100RB#0-17.942**



Date: 9.FEB.2021 15:39:35

**Band41-20MHz-16QAM-39750-100RB#0-17.942**

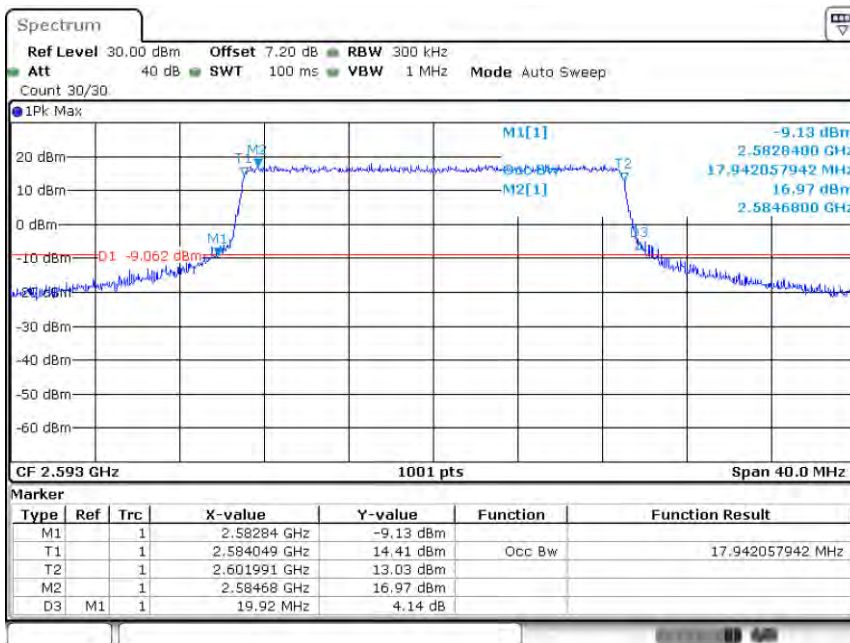


Date: 9.FEB.2021 16:06:48



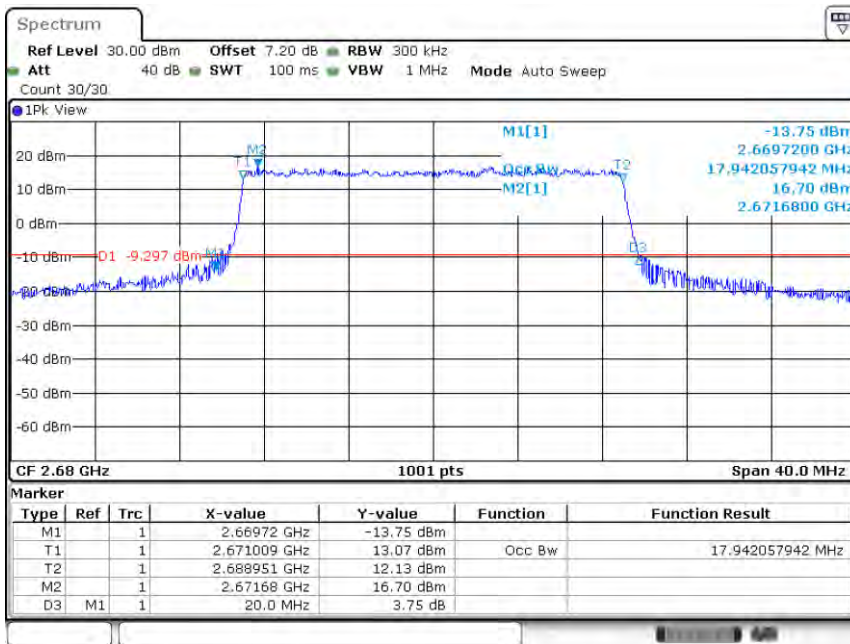
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**Band41-20MHz-16QAM-40620-100RB#0-17.902**



Date: 9.FEB.2021 16:11:20

**Band41-20MHz-16QAM-41490-100RB#0-17.942**



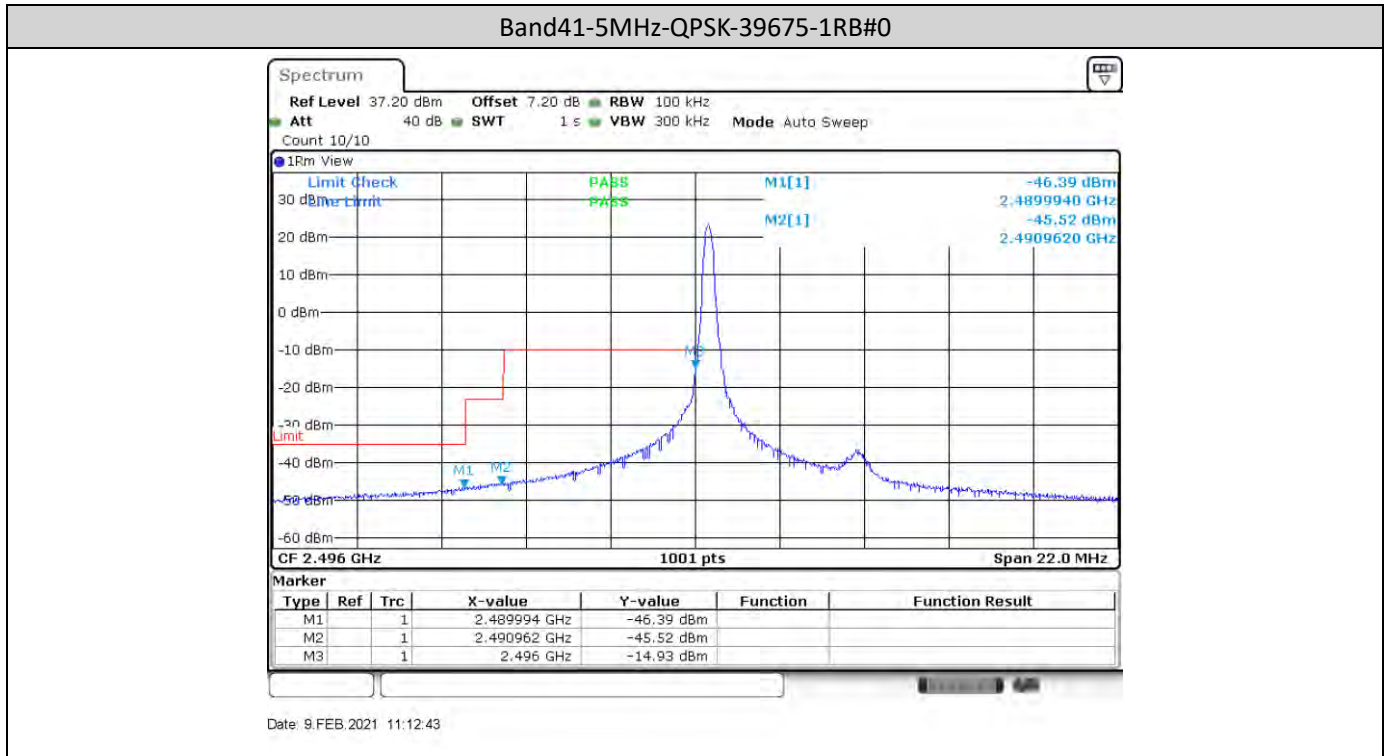
Date: 9.FEB.2021 16:11:58



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## 5. Band Edge Compliance

### 5.1. Test Plots

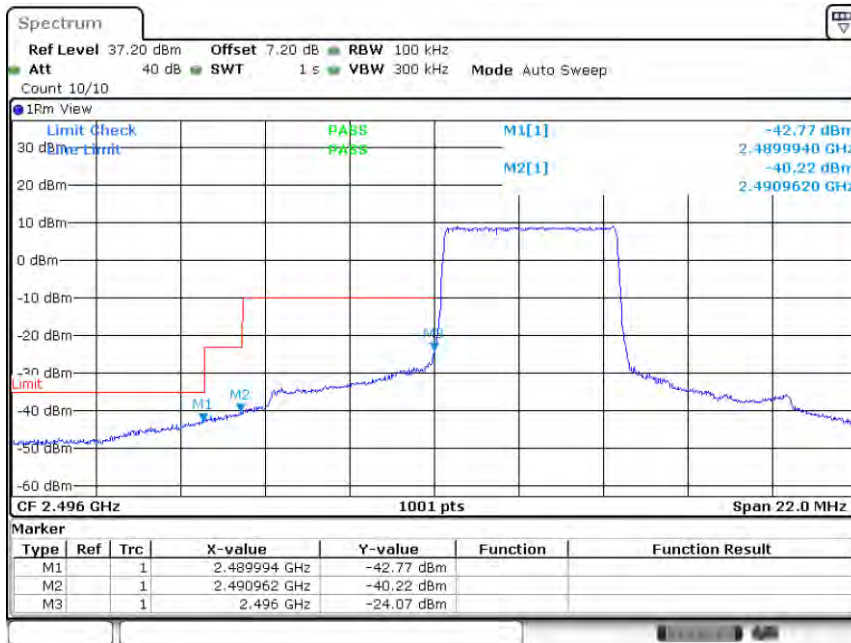


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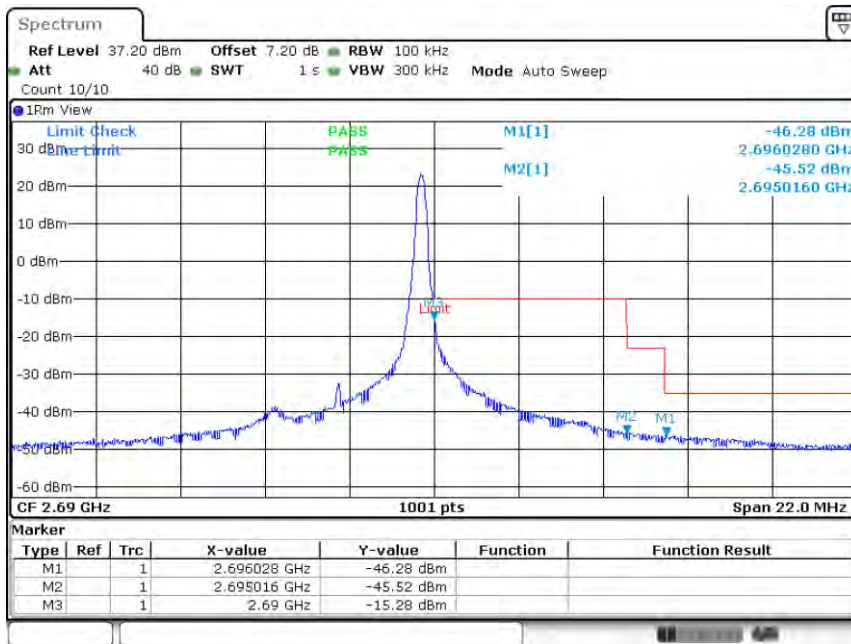


**Band41-5MHz-QPSK-39675-25RB#0**



Date: 9.FEB.2021 11:14:18

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



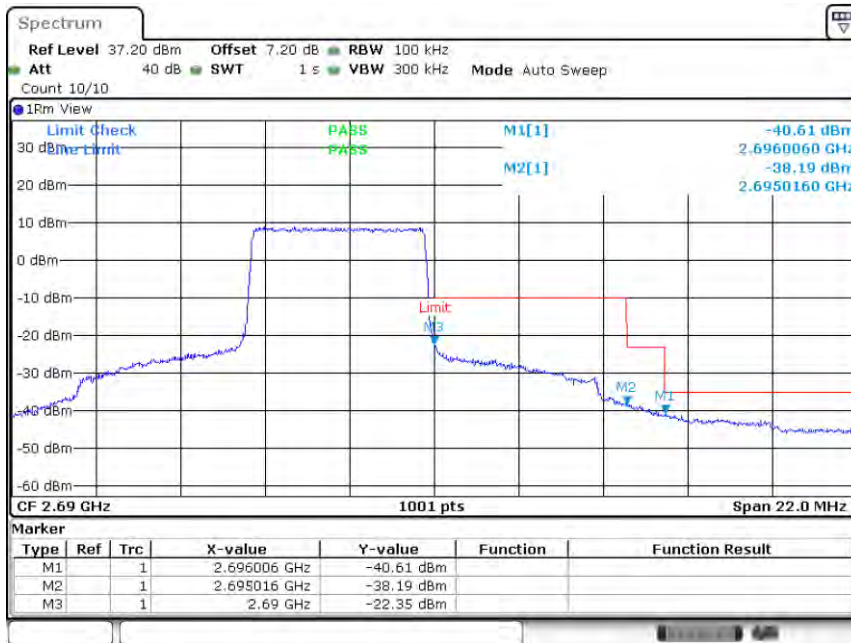
Date: 9.FEB.2021 11:13:31



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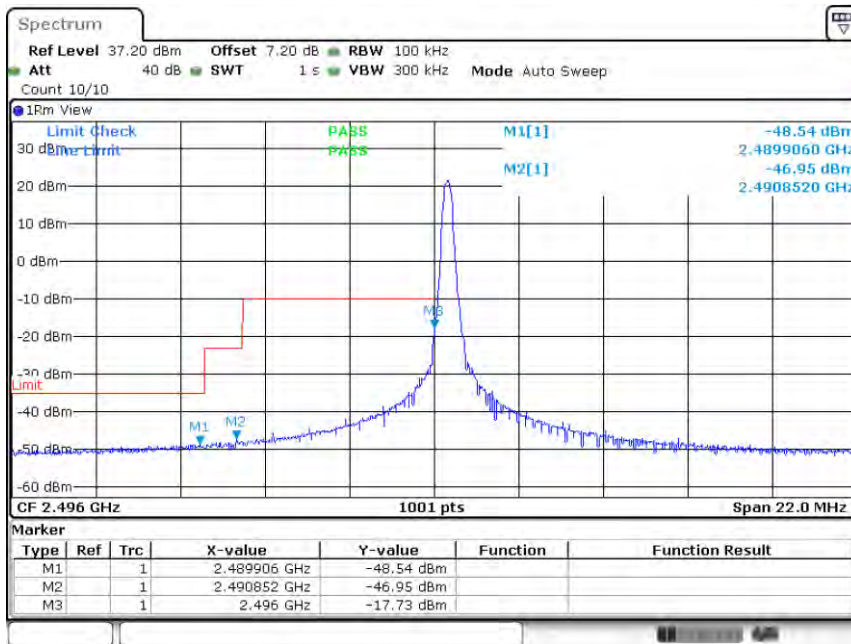


Band41-5MHz-QPSK-41565-25RB#0



Date: 9.FEB.2021 11:15:02

Band41-5MHz-64QAM-39675-1RB#0

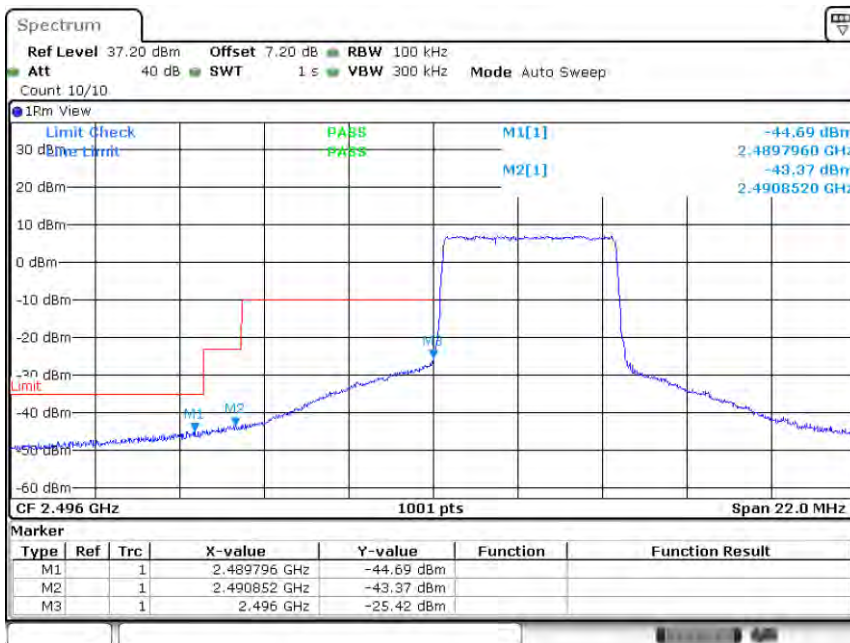


Date: 9.FEB.2021 15:40:01



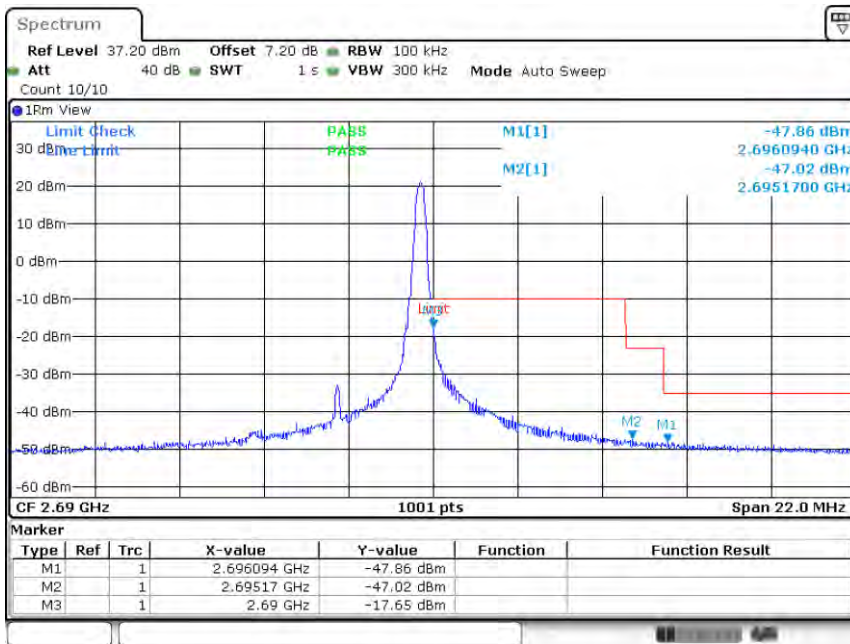
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**Band41-5MHz-64QAM-39675-25RB#0**



Date: 9.FEB.2021 15:40:54

**Band41-5MHz-64QAM-41565-1RB#24**

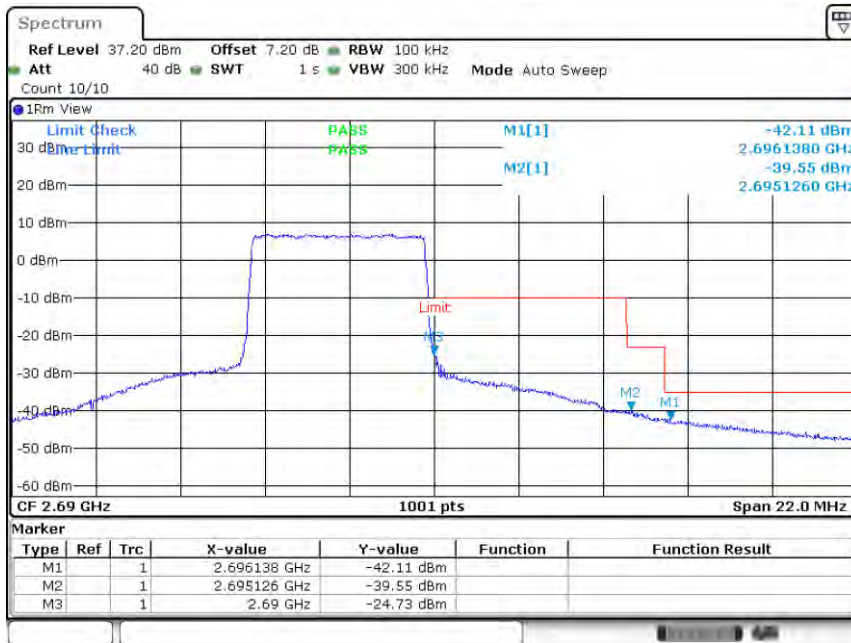


Date: 9.FEB.2021 15:40:27



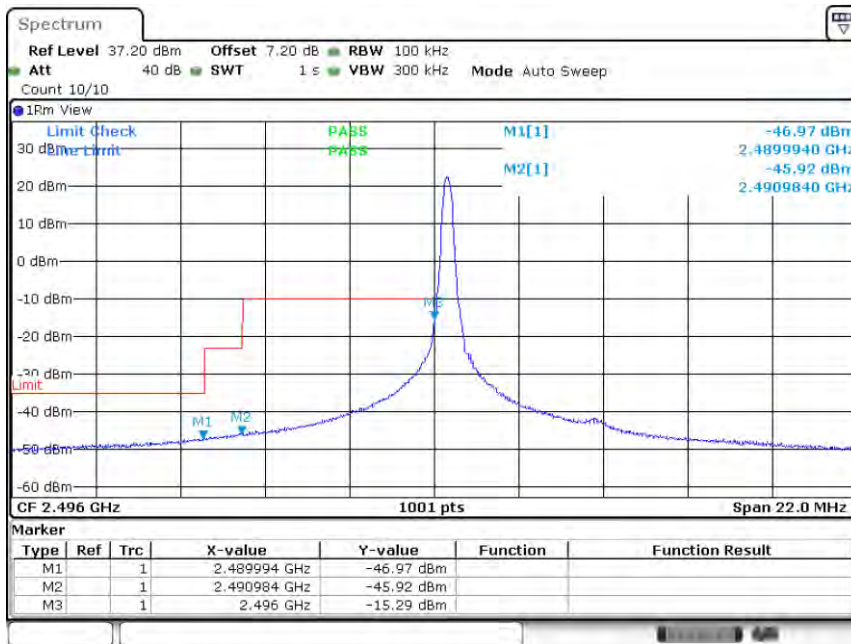
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**Band41-5MHz-64QAM-41565-25RB#0**



Date: 9.FEB.2021 15:41:15

**Band41-5MHz-16QAM-39675-1RB#0**

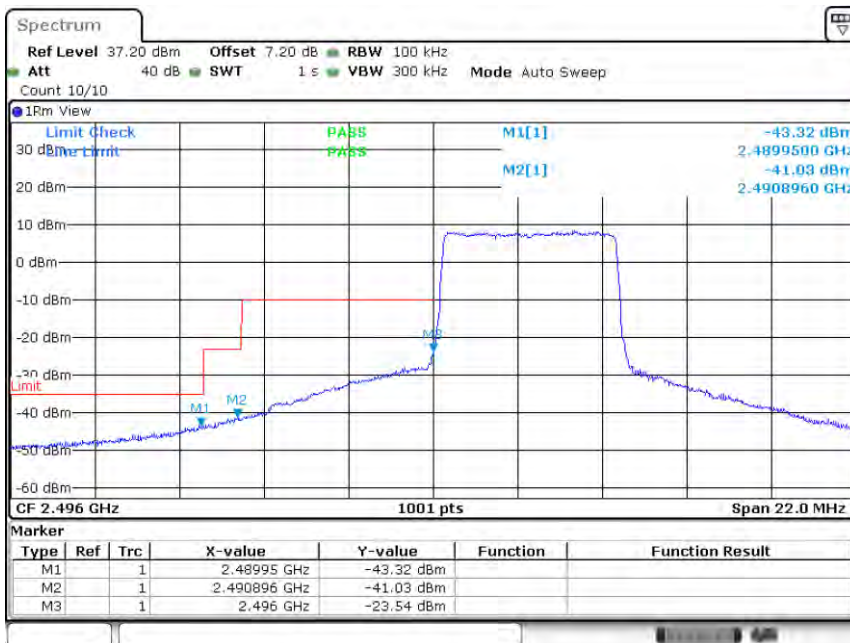


Date: 9.FEB.2021 11:13:05



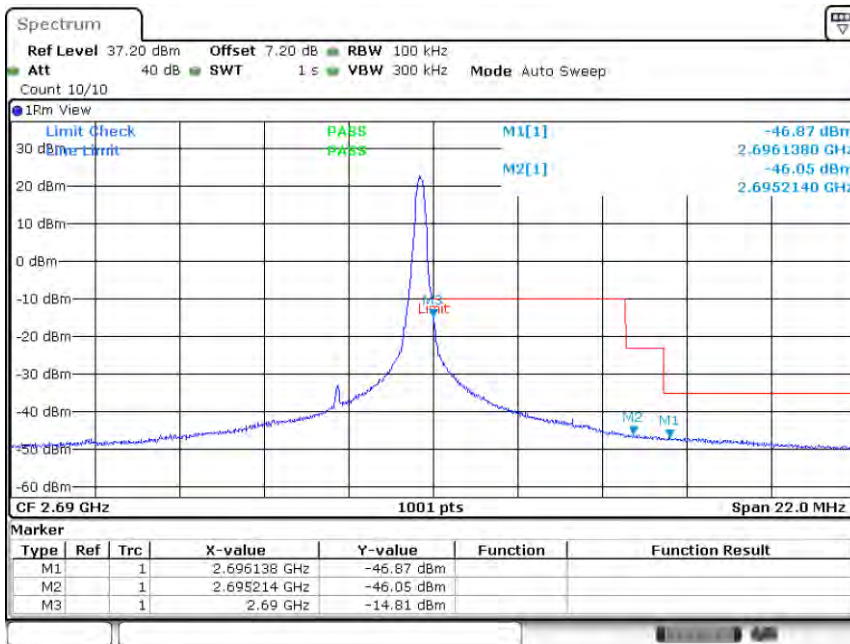
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**Band41-5MHz-16QAM-39675-25RB#0**



Date: 9.FEB.2021 11:14:40

**Band41-5MHz-16QAM-41565-1RB#24**

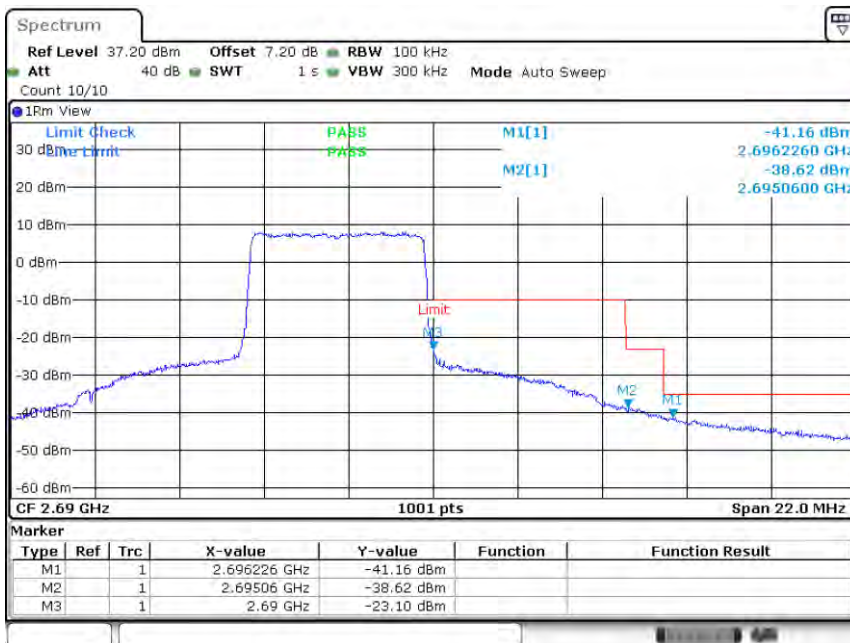


Date: 9.FEB.2021 11:13:53



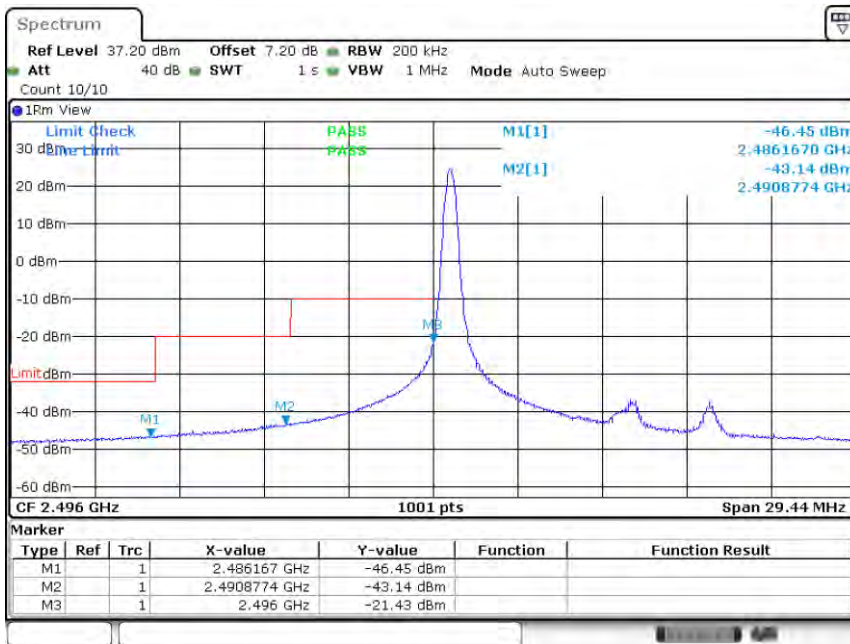
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**Band41-5MHz-16QAM-41565-25RB#0**



Date: 9.FEB.2021 11:15:24

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



Date: 9.FEB.2021 11:15:50



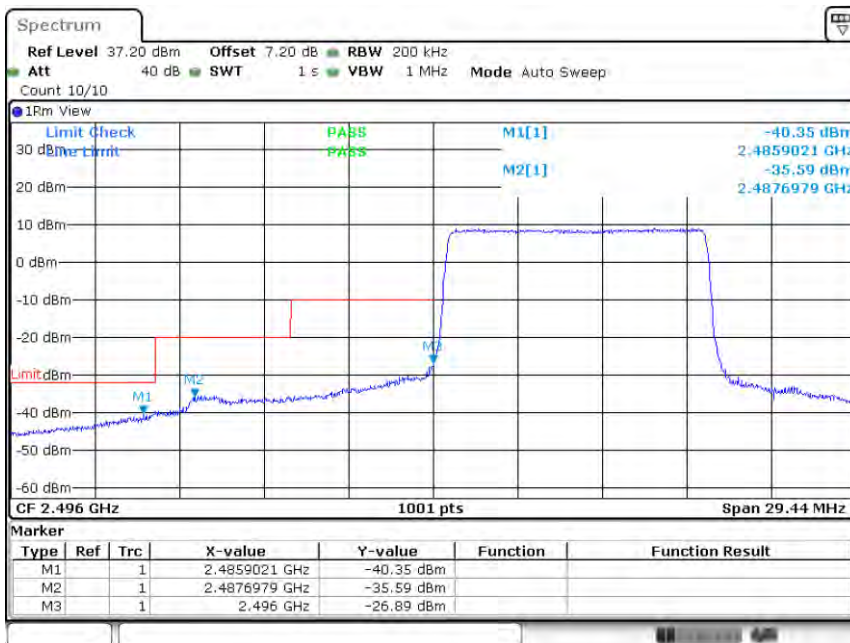
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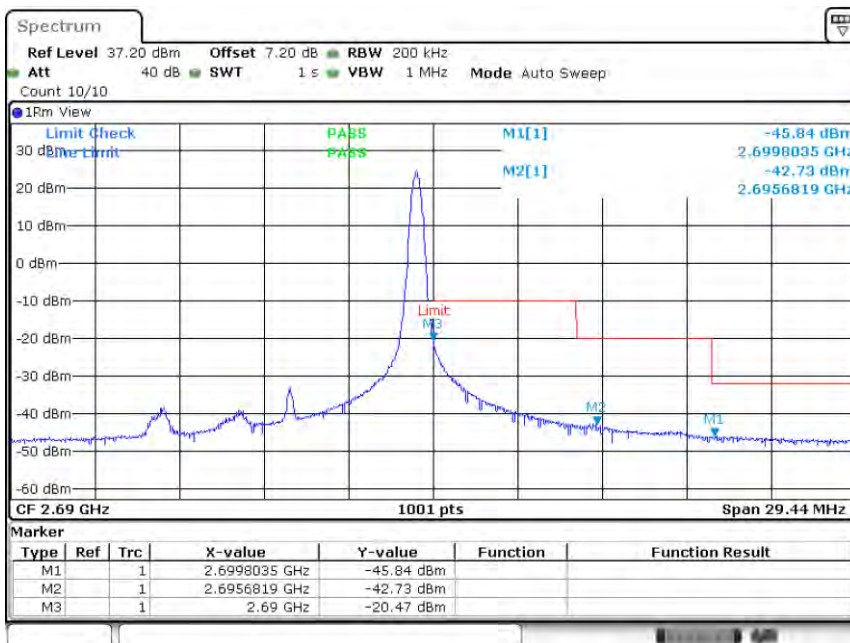


Band41-10MHz-QPSK-39700-50RB#0



Date: 9.FEB.2021 11:17:25

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



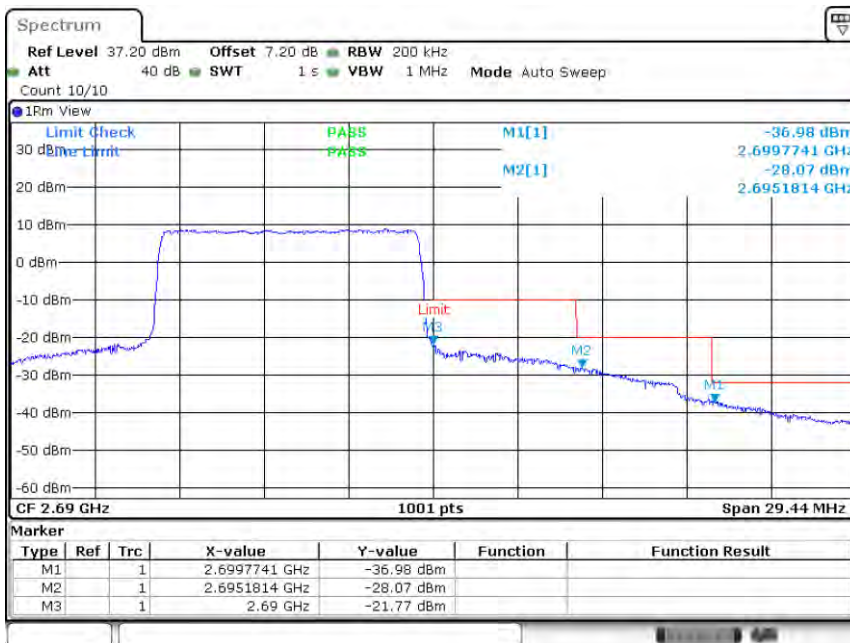
Date: 9.FEB.2021 11:16:37



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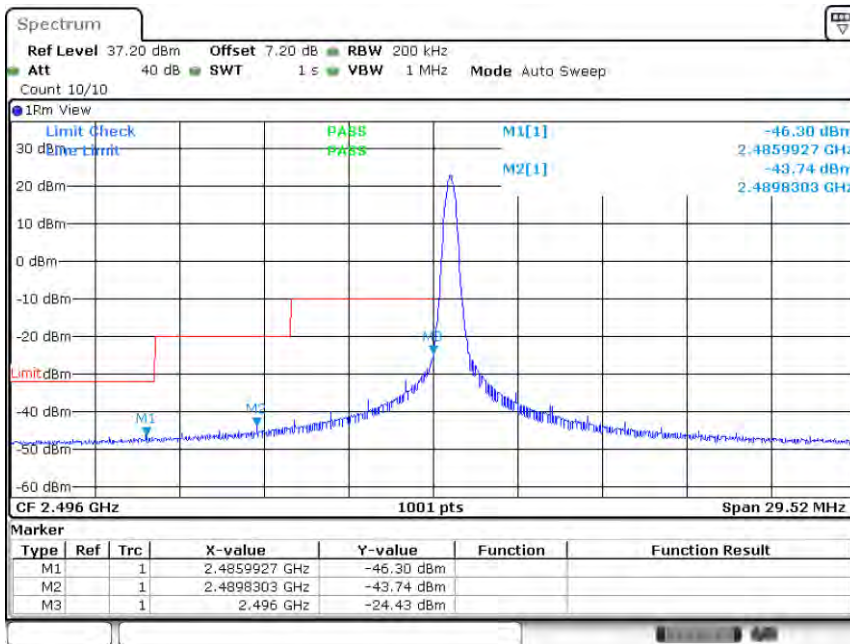


**Band41-10MHz-QPSK-41540-50RB#0**



Date: 9.FEB.2021 11:18:10

**Band41-10MHz-64QAM-39700-1RB#0**



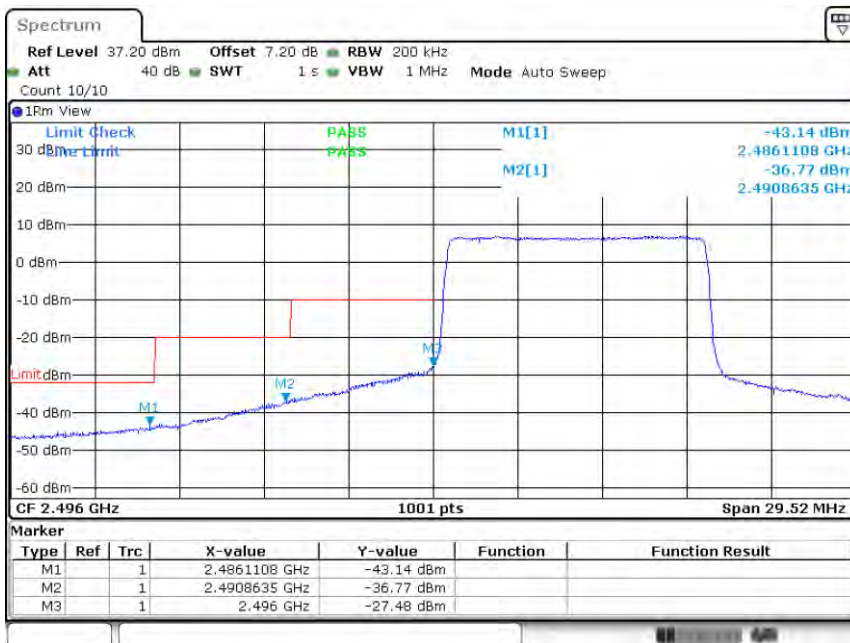
Date: 9.FEB.2021 15:41:42



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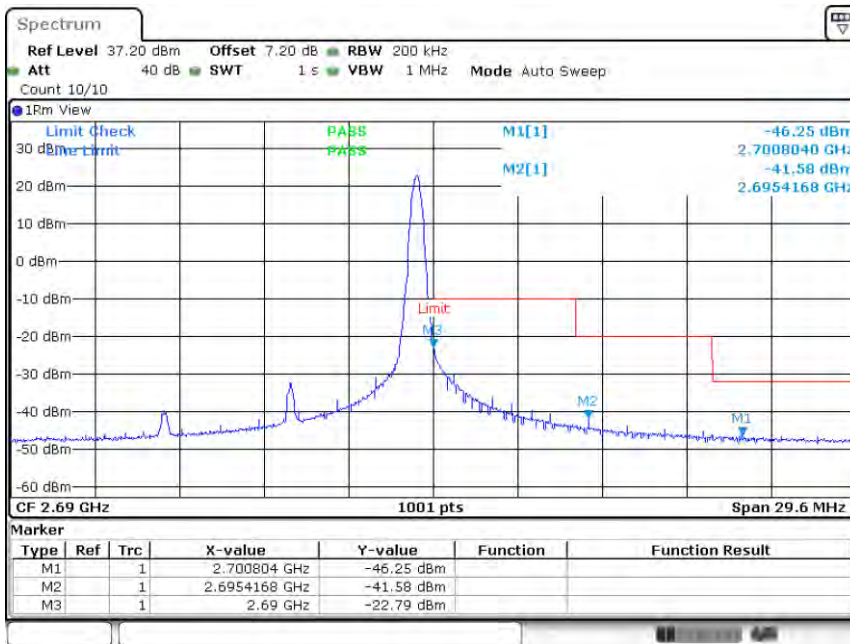


**Band41-10MHz-64QAM-39700-50RB#0**



Date: 9.FEB.2021 15:42:35

**Band41-10MHz-64QAM-41540-1RB#49**

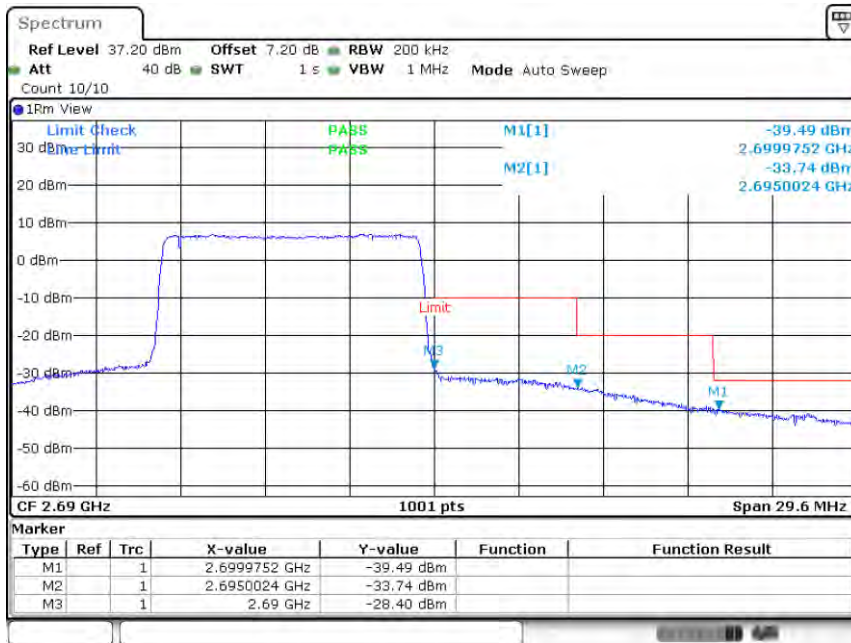


Date: 9.FEB.2021 15:42:08



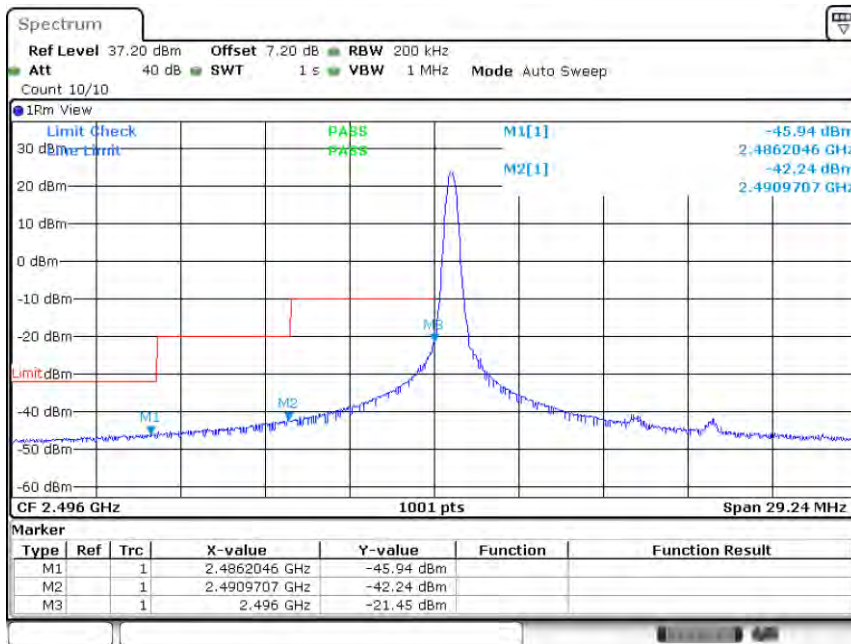
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**Band41-10MHz-64QAM-41540-50RB#0**



Date: 9.FEB.2021 15:42:56

**Band41-10MHz-16QAM-39700-1RB#0**

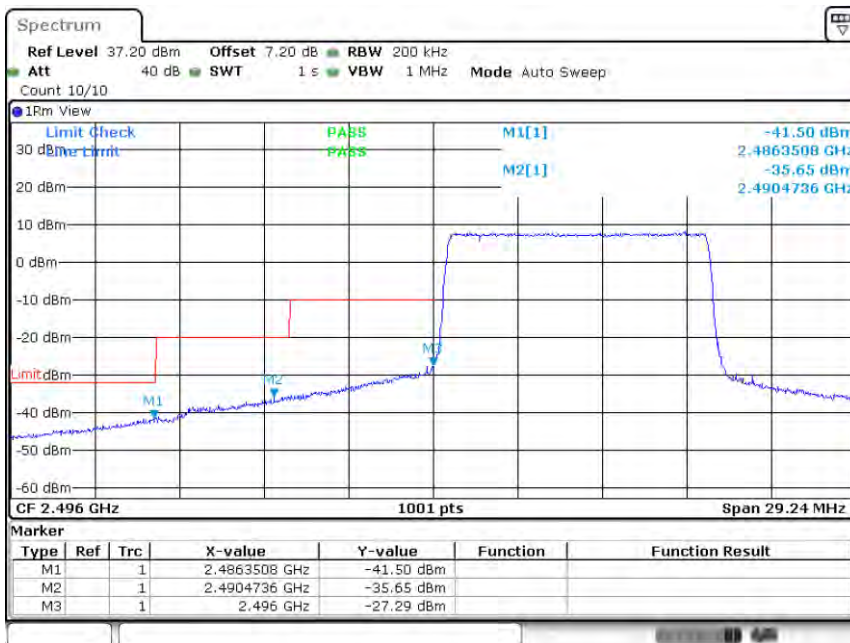


Date: 9.FEB.2021 11:16:12



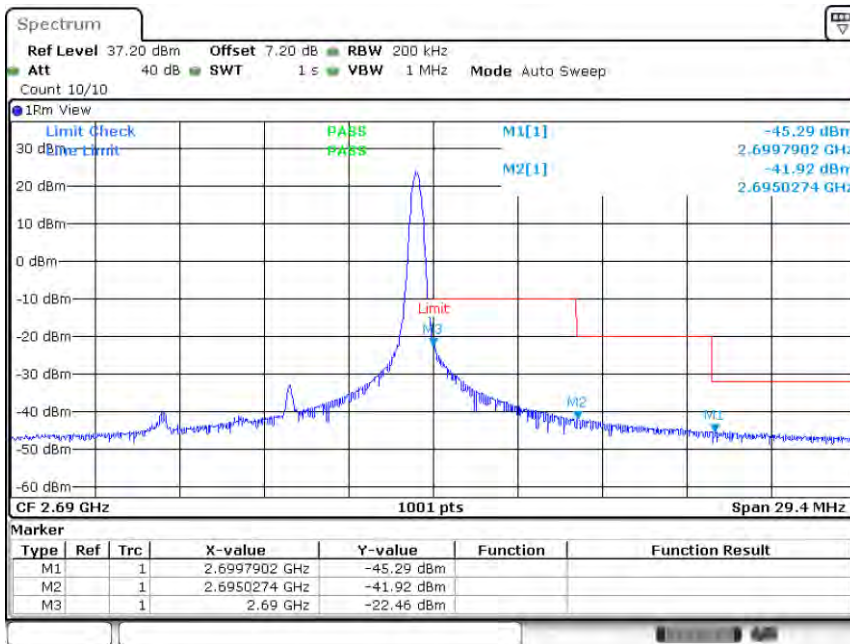
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**Band41-10MHz-16QAM-39700-50RB#0**



Date: 9.FEB.2021 11:17:47

**Band41-10MHz-16QAM-41540-1RB#49**



Date: 9.FEB.2021 11:16:59

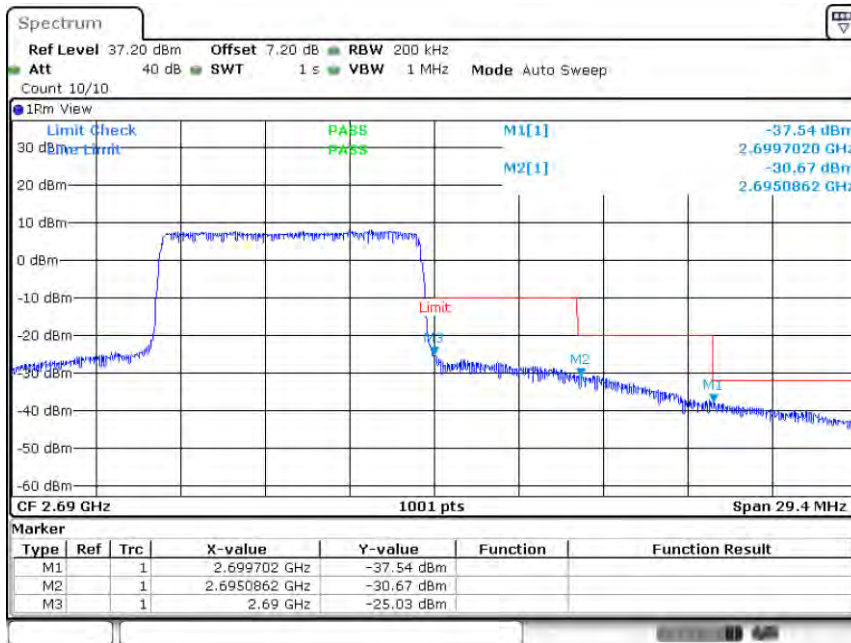


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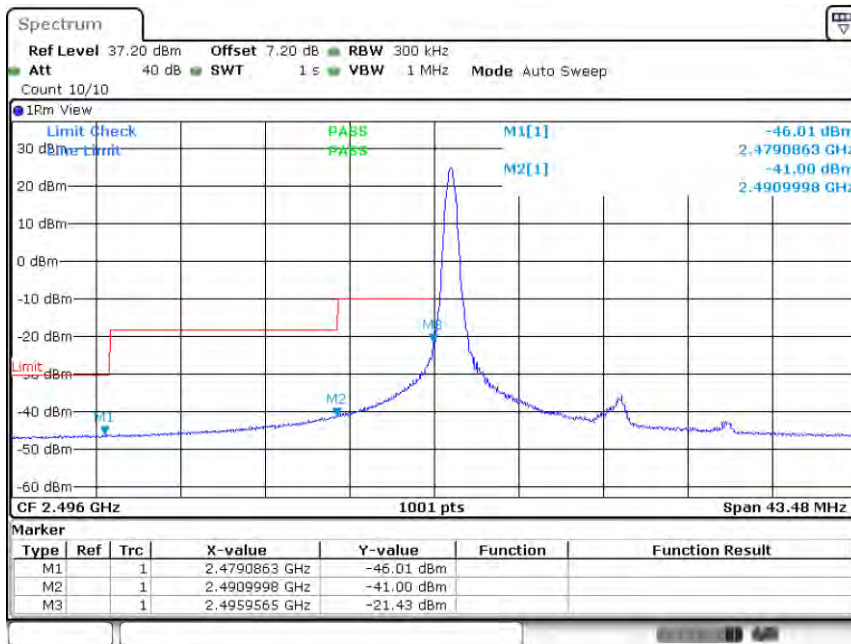
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**Band41-10MHz-16QAM-41540-50RB#0**



Date: 9.FEB.2021 11:18:32

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

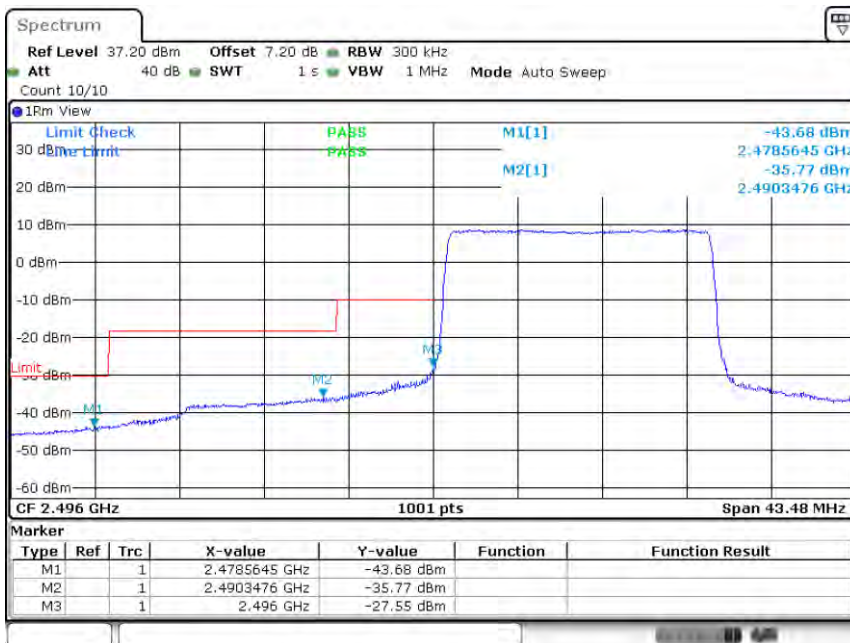


Date: 9.FEB.2021 11:19:05



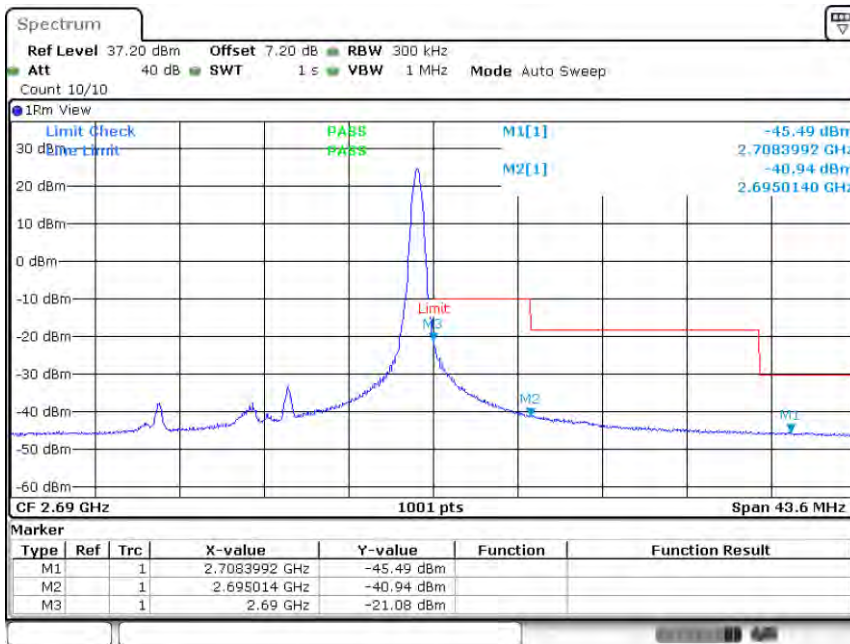
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**Band41-15MHz-QPSK-39725-75RB#0**



Date: 9.FEB.2021 11:20:40

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



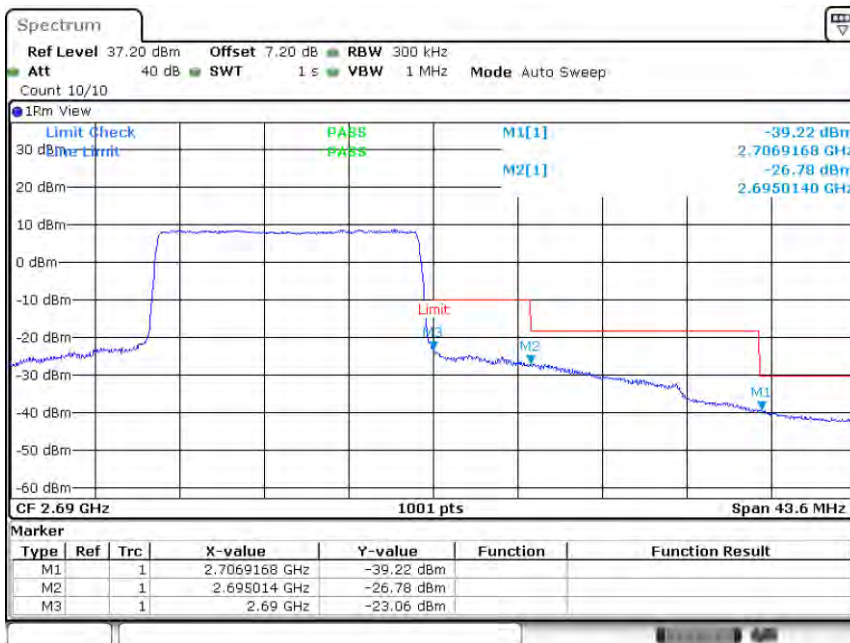
Date: 9.FEB.2021 11:19:52



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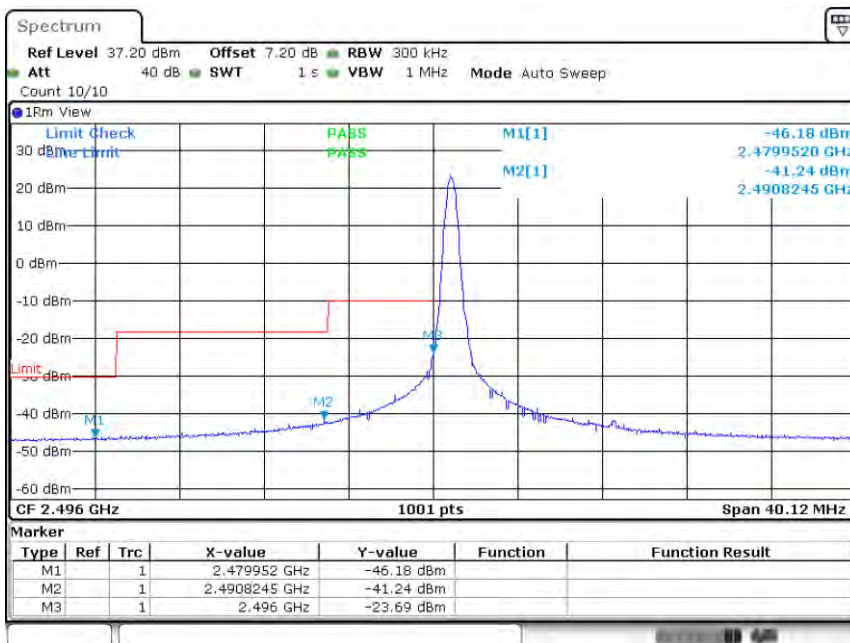
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**Band41-15MHz-QPSK-41515-75RB#0**



Date: 9.FEB.2021 11:21:24

**Band41-15MHz-64QAM-39725-1RB#0**

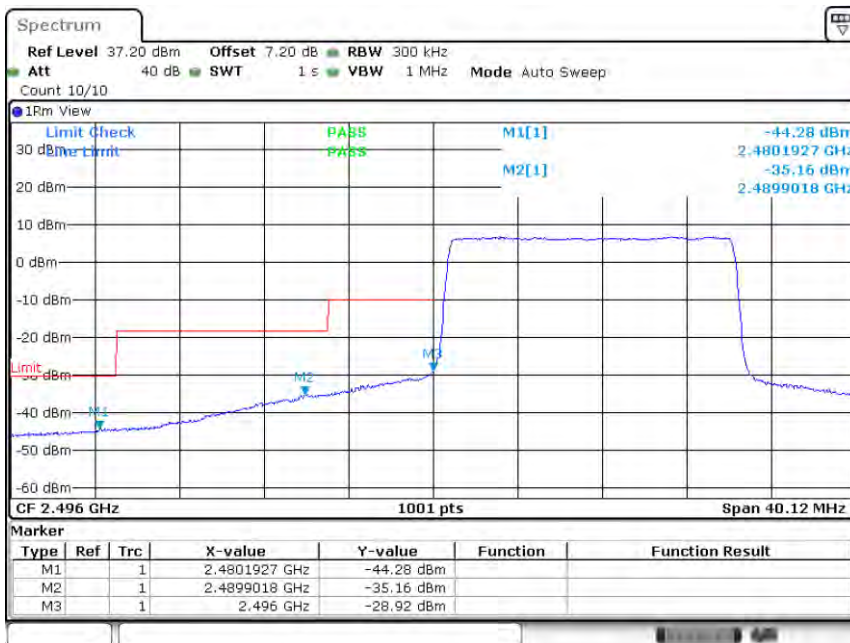


Date: 9.FEB.2021 15:43:23



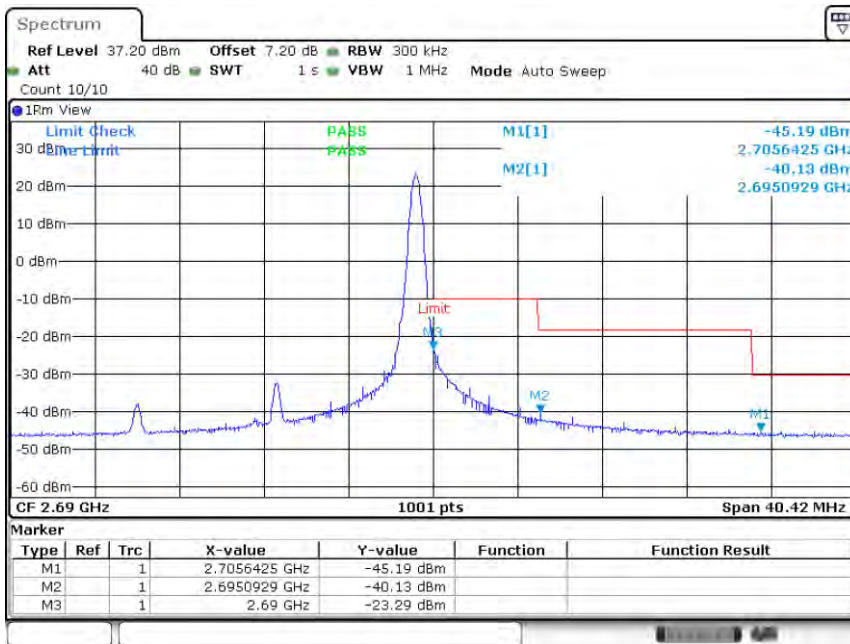
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**Band41-15MHz-64QAM-39725-75RB#0**



Date: 9.FEB.2021 15:44:16

**Band41-15MHz-64QAM-41515-1RB#74**

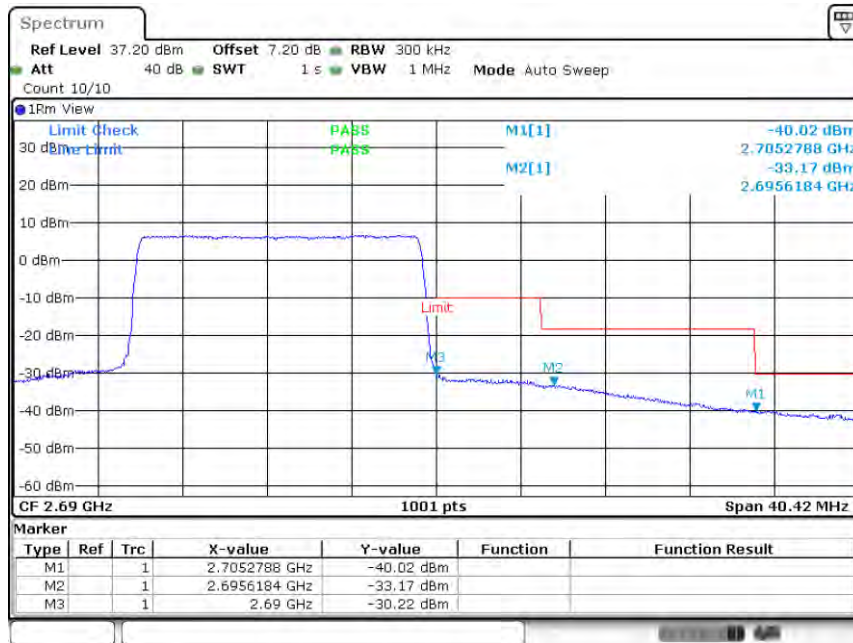


Date: 9.FEB.2021 15:43:49



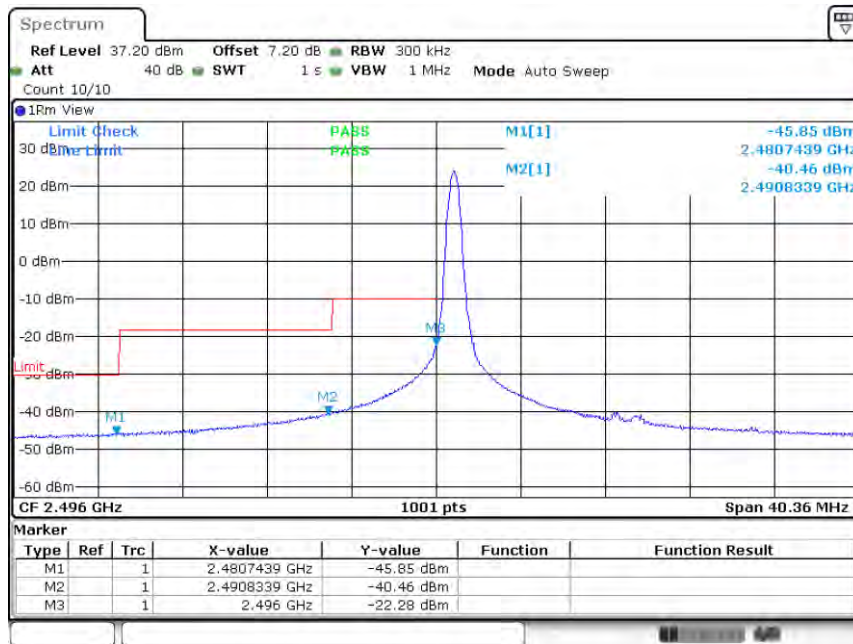
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**Band41-15MHz-64QAM-41515-75RB#0**



Date: 9.FEB.2021 15:44:37

**Band41-15MHz-16QAM-39725-1RB#0**



Date: 9.FEB.2021 11:19:26

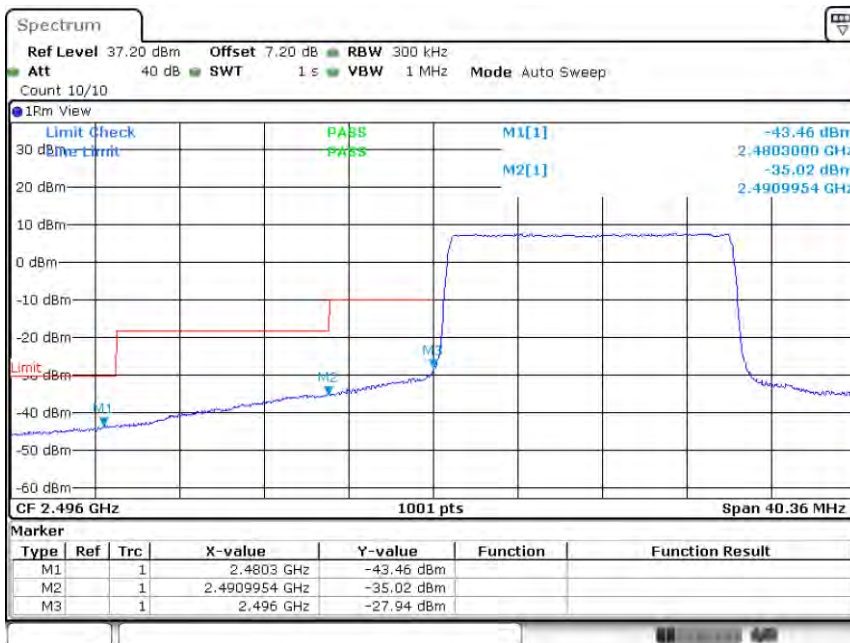


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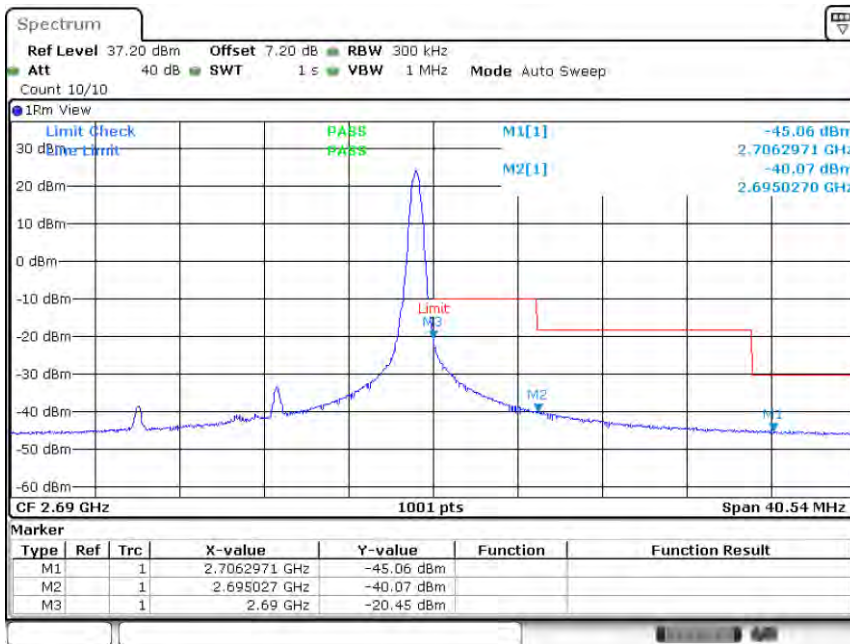


Band41-15MHz-16QAM-39725-75RB#0



Date: 9.FEB.2021 11:21:02

Band41-15MHz-16QAM-41515-1RB#74

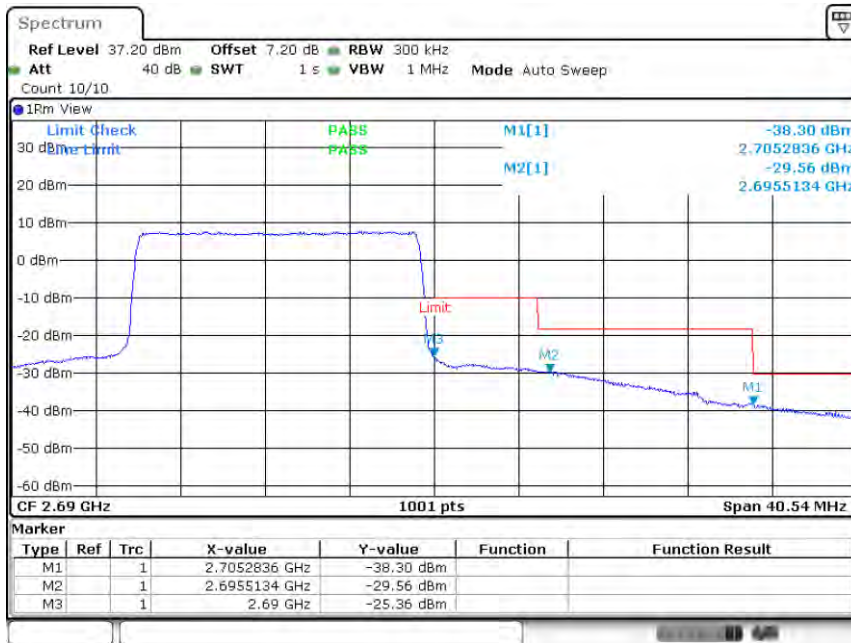


Date: 9.FEB.2021 11:20:14



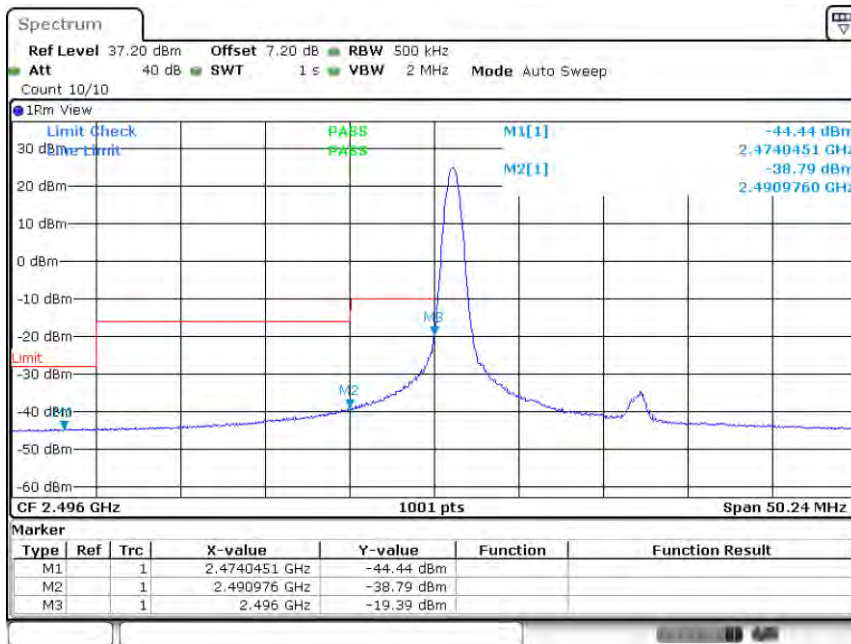
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**Band41-15MHz-16QAM-41515-75RB#0**



Date: 9.FEB.2021 11:21:45

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

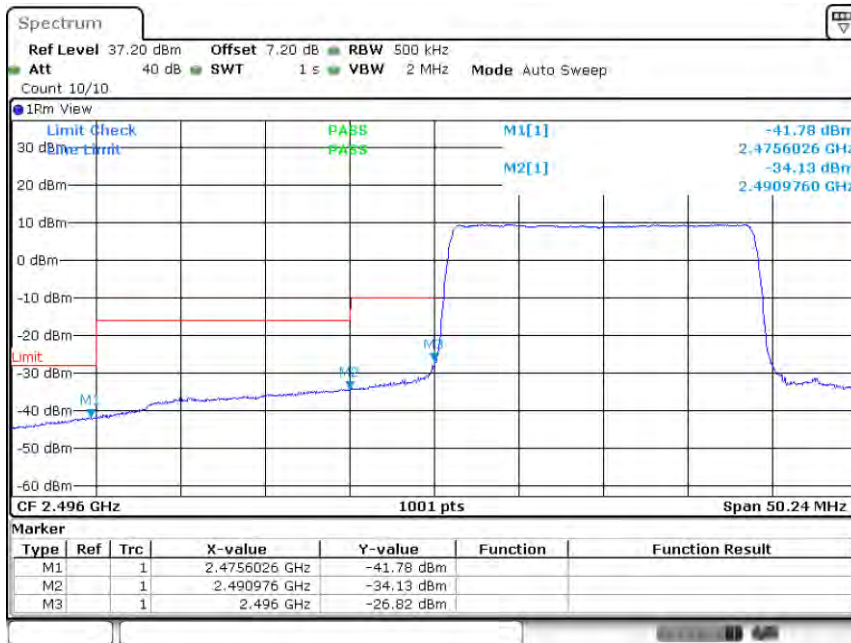


Date: 9.FEB.2021 11:22:12



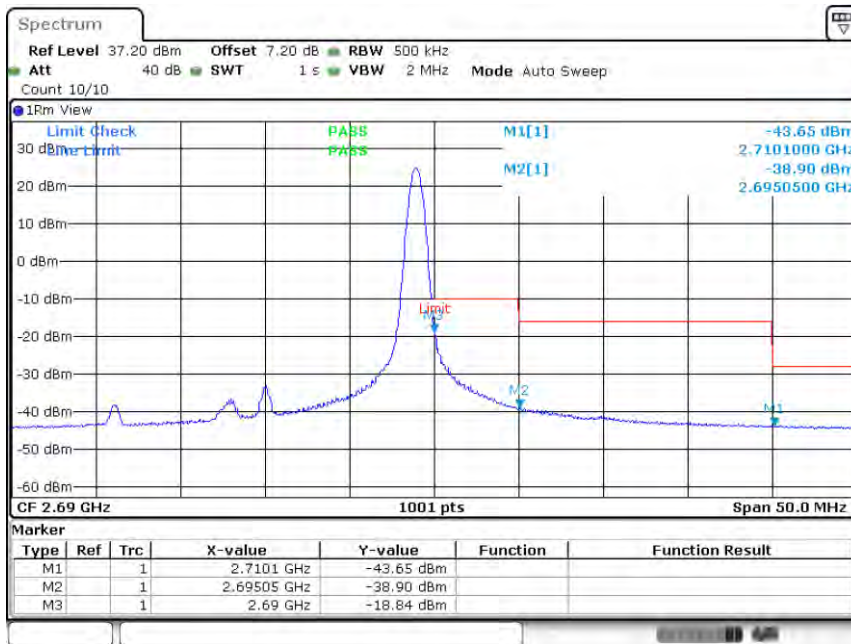
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**Band41-20MHz-QPSK-39750-100RB#0**



Date: 9.FEB.2021 11:23:47

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

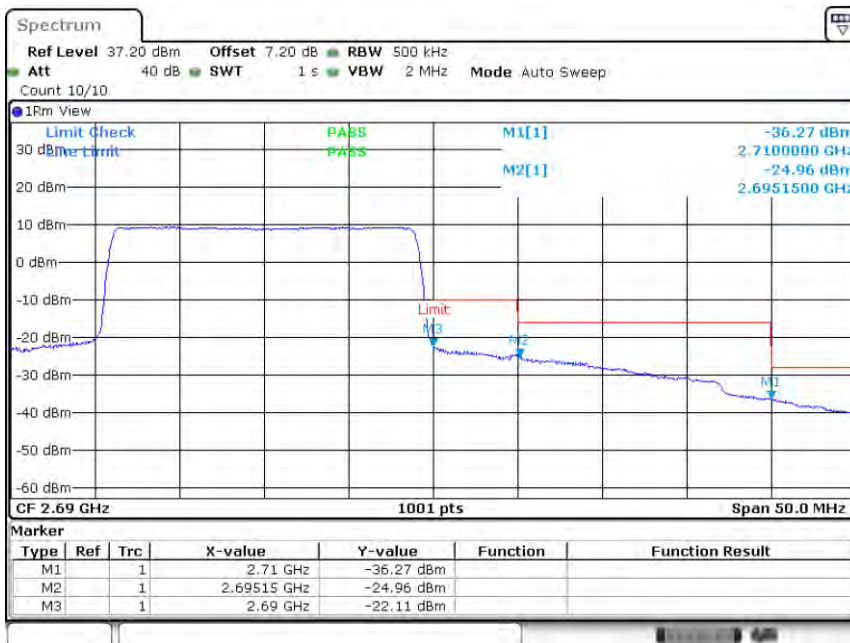


Date: 9.FEB.2021 11:22:59



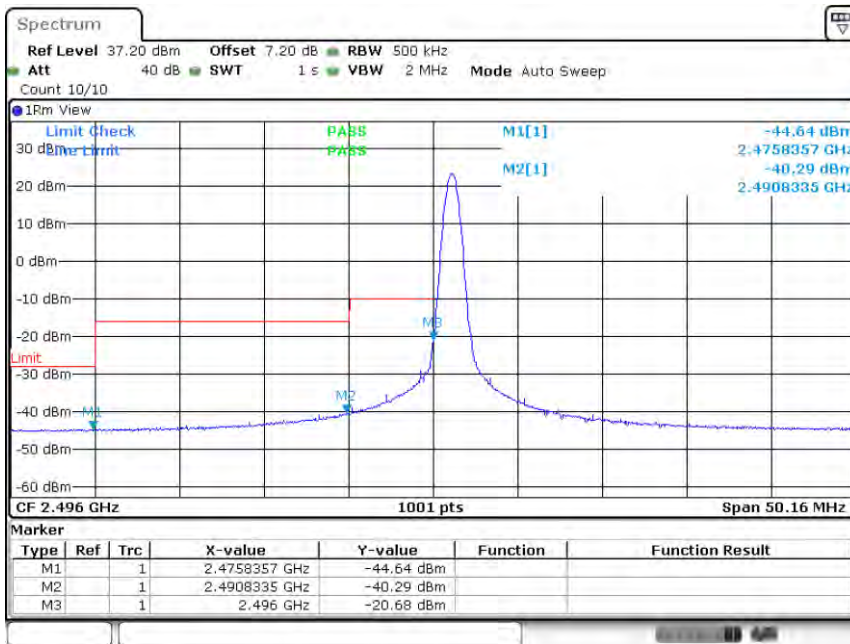
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**Band41-20MHz-QPSK-41490-100RB#0**



Date: 9.FEB.2021 11:24:30

**Band41-20MHz-64QAM-39750-1RB#0**



Date: 9.FEB.2021 15:45:04

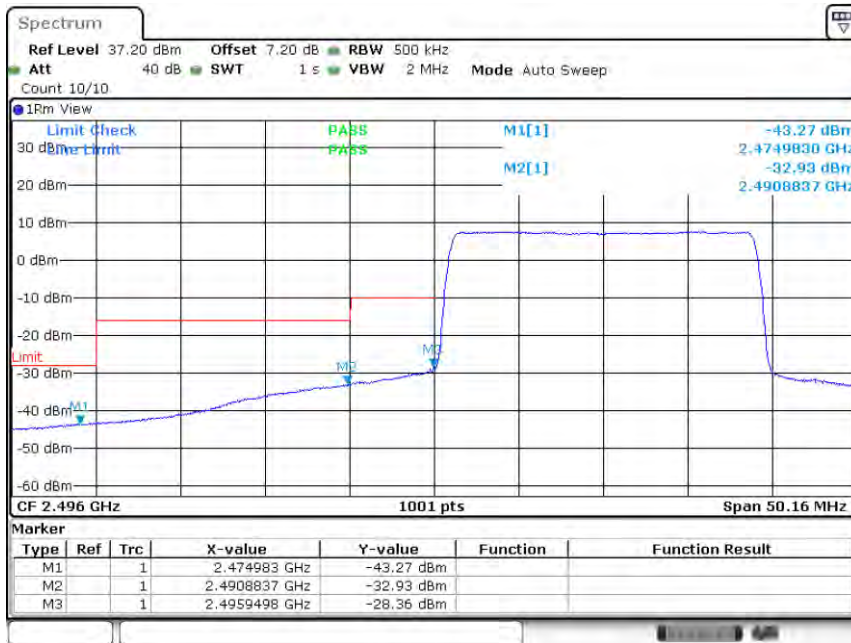


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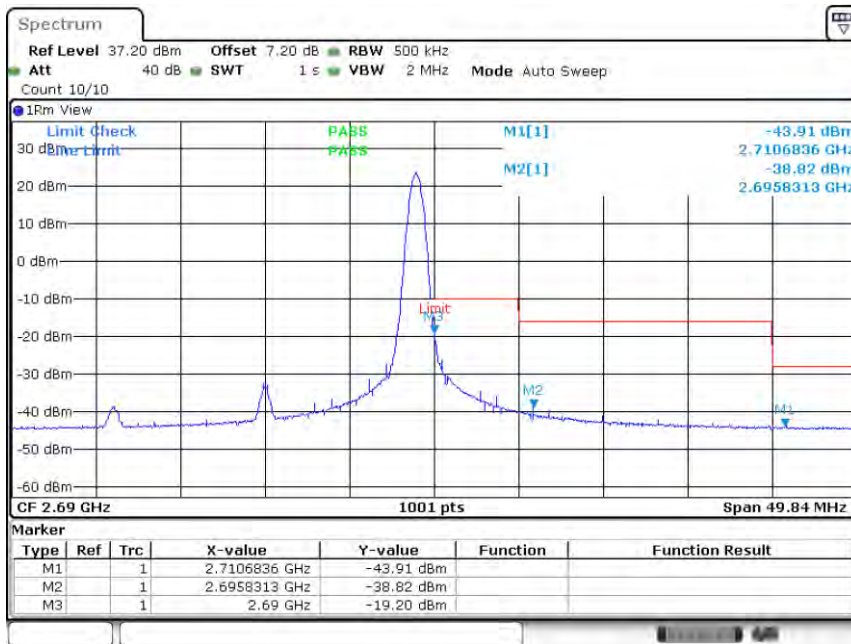
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 9.FEB.2021 15:45:56

**Band41-20MHz-64QAM-41490-1RB#99**

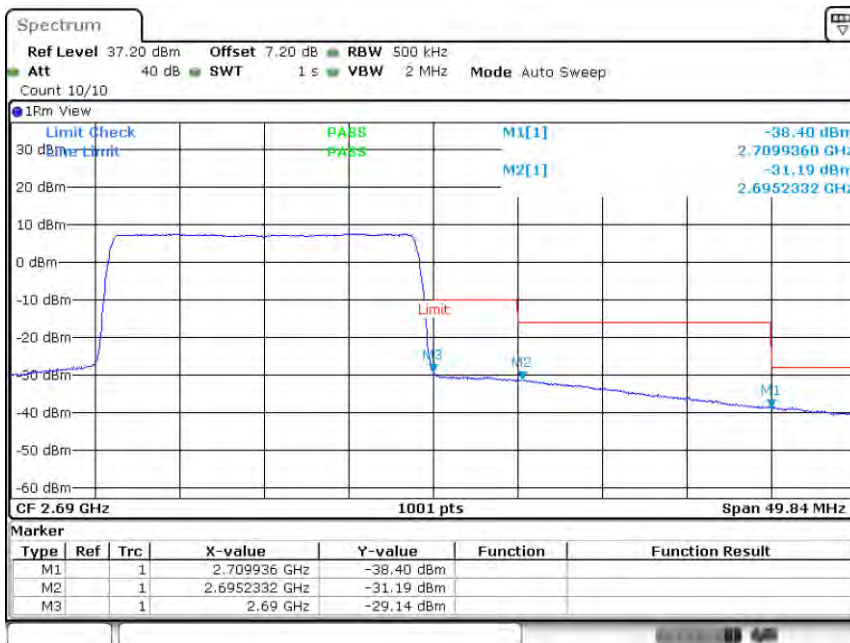


Date: 9.FEB.2021 15:45:30



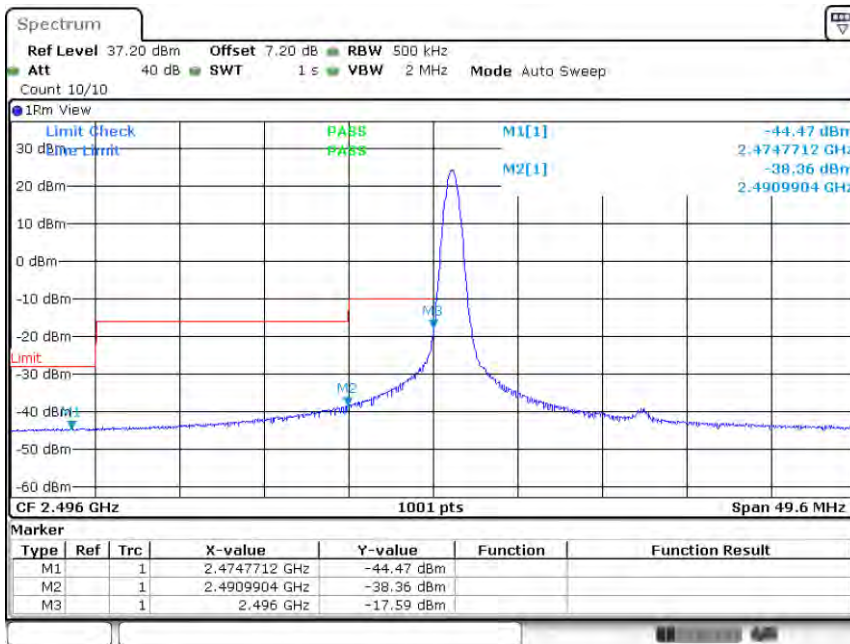
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**Band41-20MHz-64QAM-41490-100RB#0**



Date: 9.FEB.2021 15:46:18

**Band41-20MHz-16QAM-39750-1RB#0**

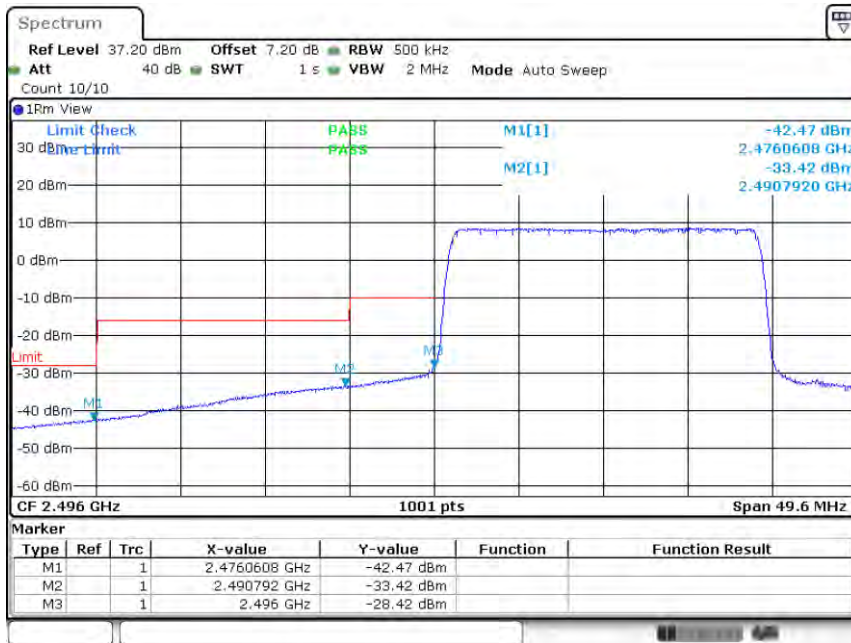


Date: 9.FEB.2021 11:22:33



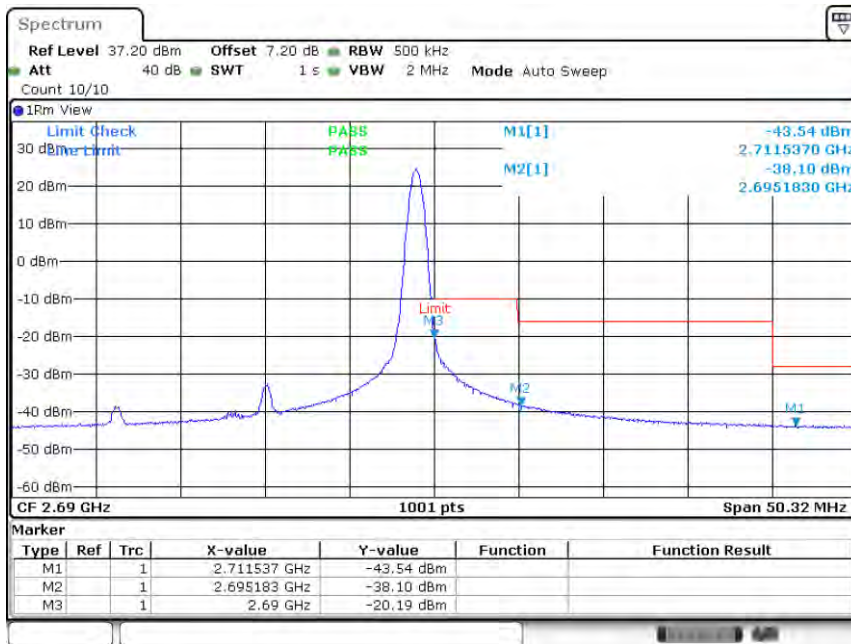
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**Band41-20MHz-16QAM-39750-100RB#0**



Date: 9.FEB.2021 11:24:08

**Band41-20MHz-16QAM-41490-1RB#99**

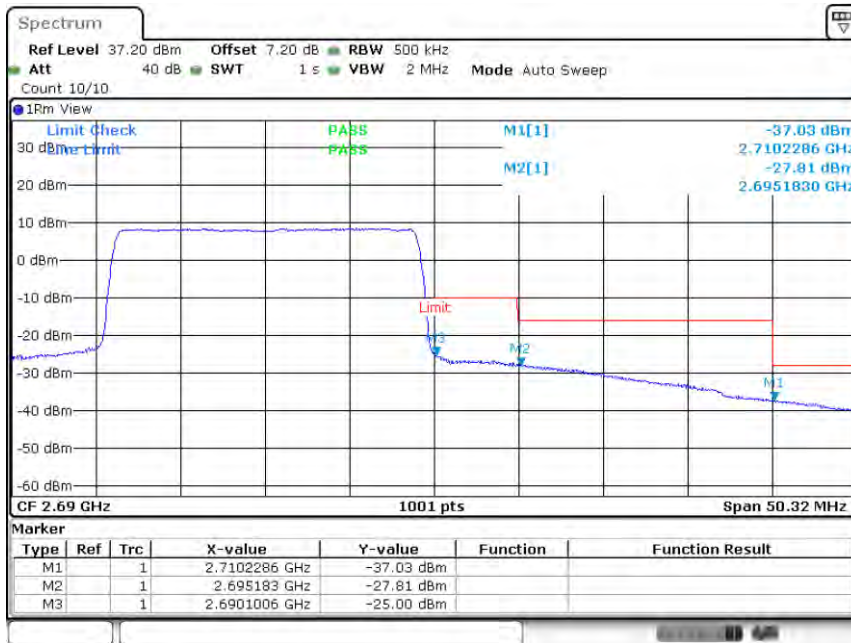


Date: 9.FEB.2021 11:23:21



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



Date: 9.FEB.2021 11:24:52



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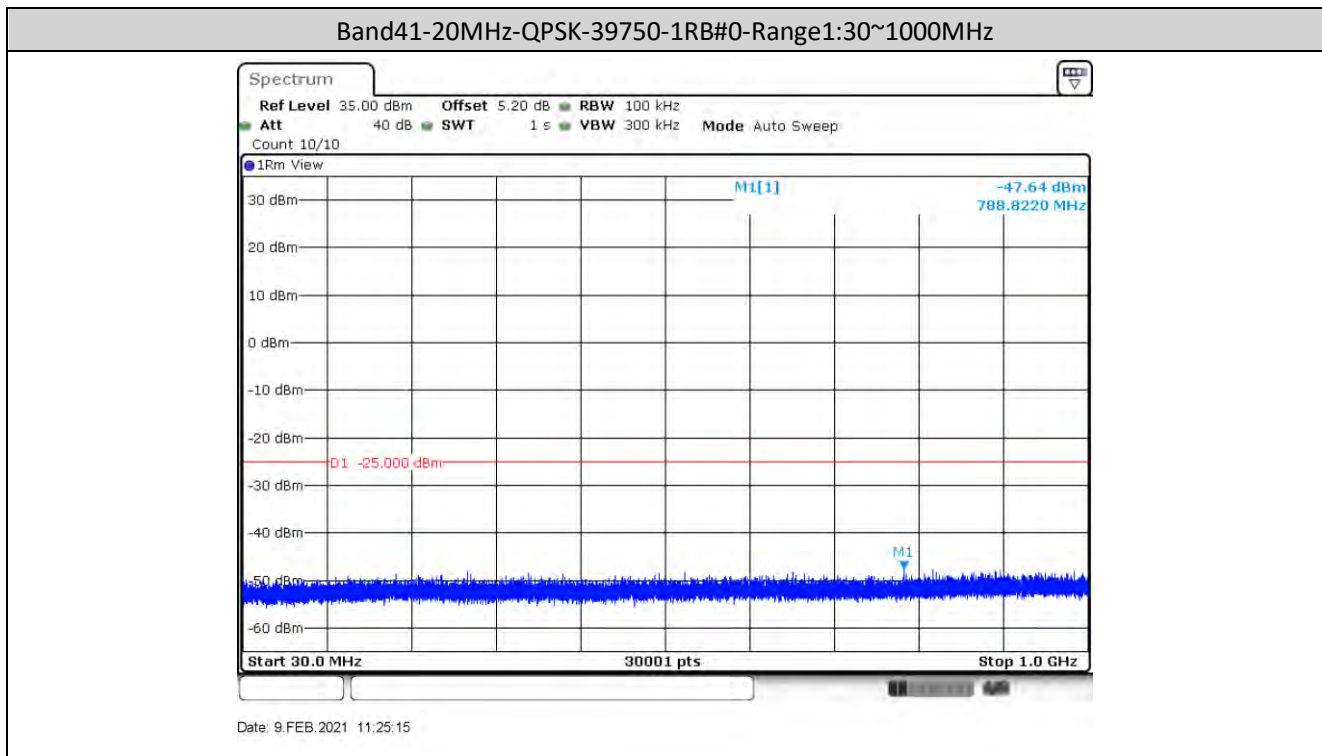
## 6. Spurious Emission at Antenna Terminal

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: 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.

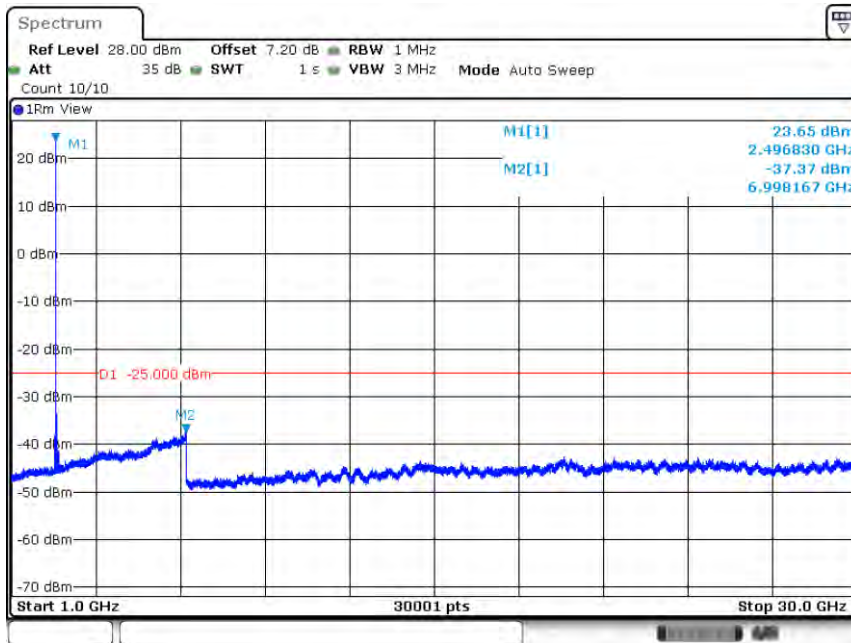
### 6.1. Test Plots



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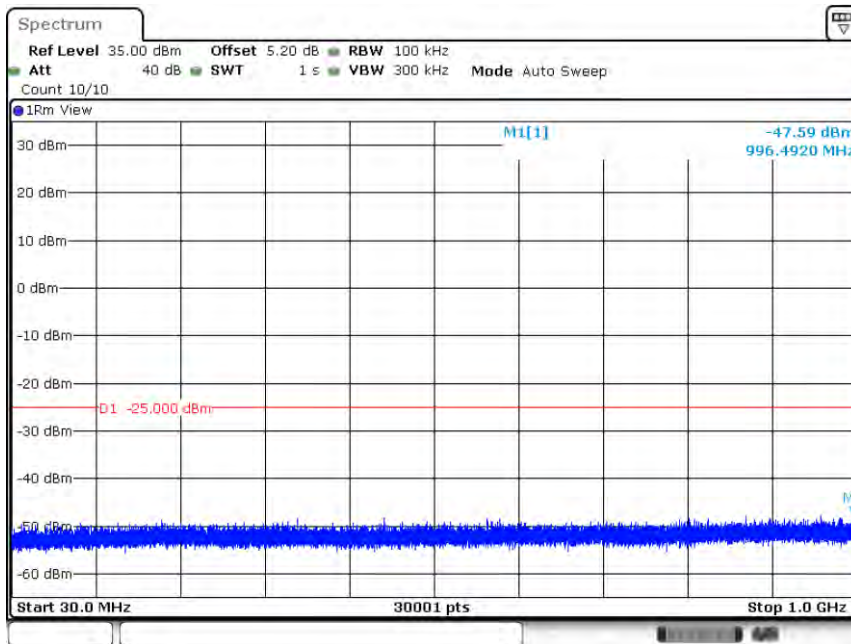
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**Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 11:25:31

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



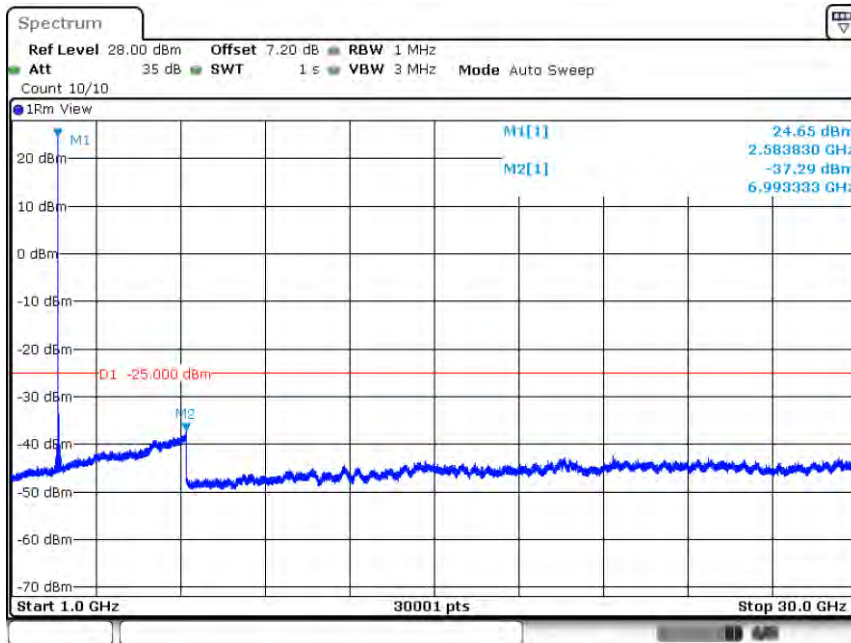
Date: 9.FEB.2021 11:26:25



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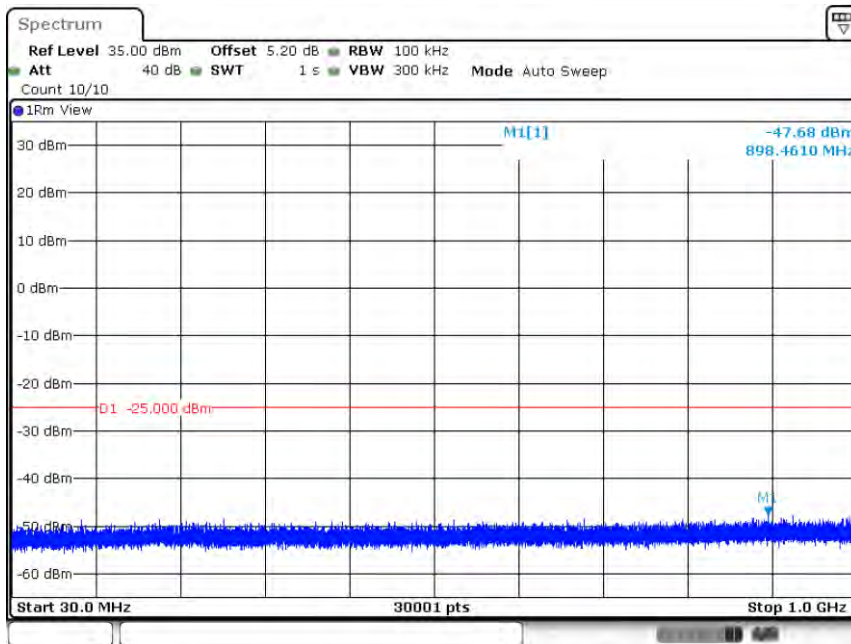
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**Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 11:26:41

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

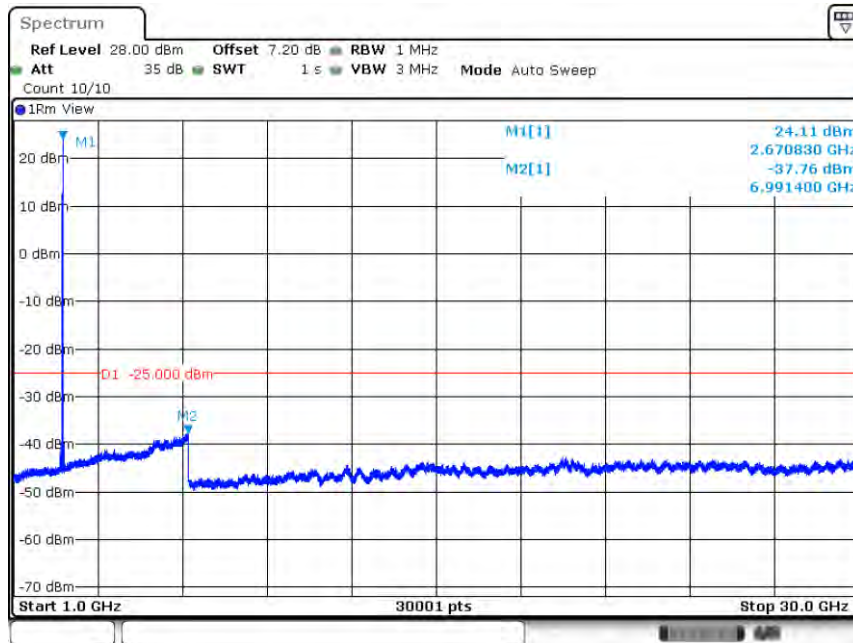


Date: 9.FEB.2021 11:27:35



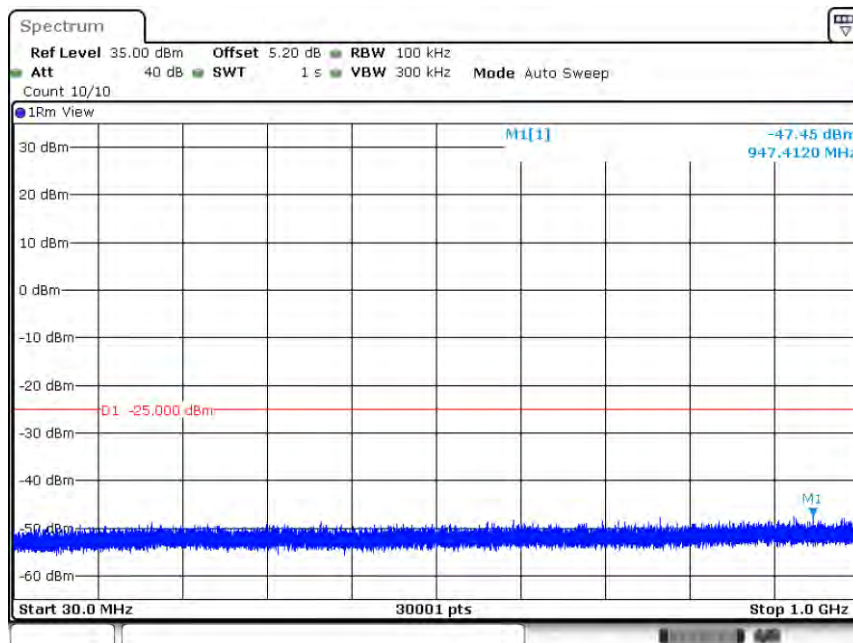
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**Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 11:27:51

**Band41-20MHz-64QAM-39750-1RB#0-Range1:30~1000MHz**

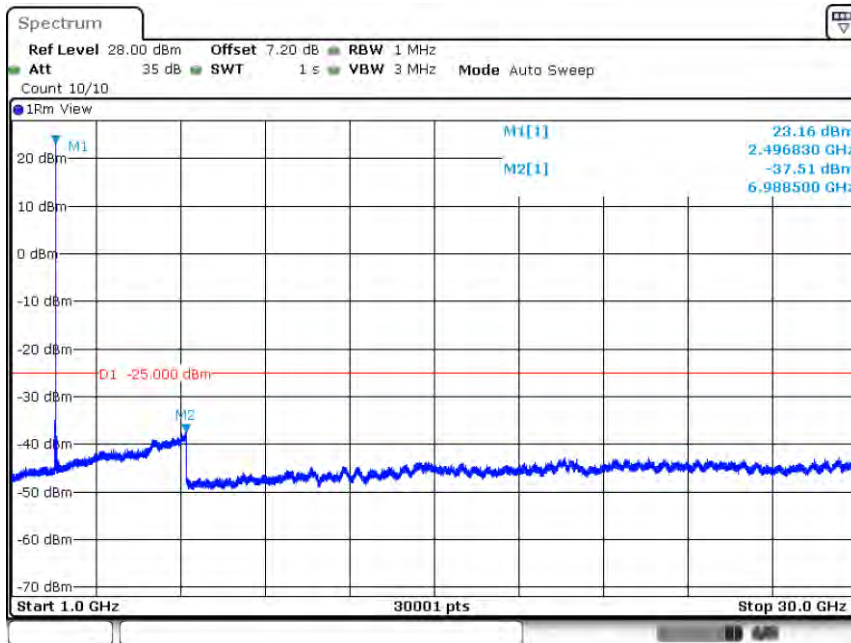


Date: 9.FEB.2021 15:46:42



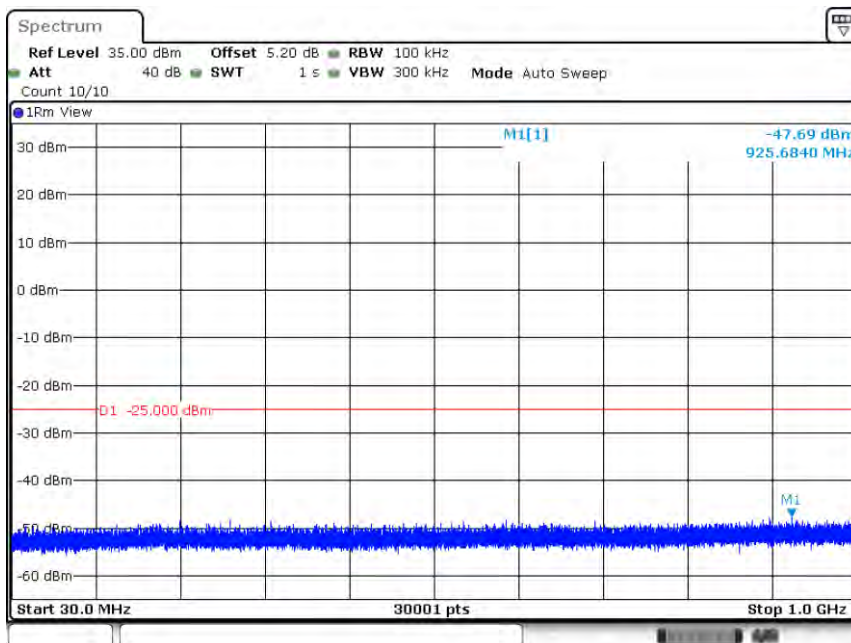
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**Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 15:46:58

**Band41-20MHz-64QAM-40620-1RB#0-Range1:30~1000MHz**



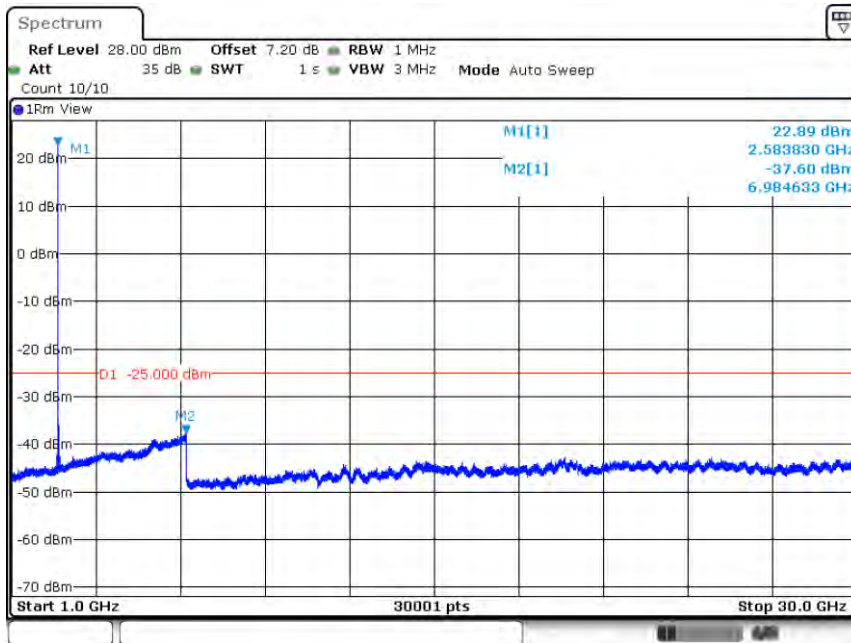
Date: 9.FEB.2021 15:47:17



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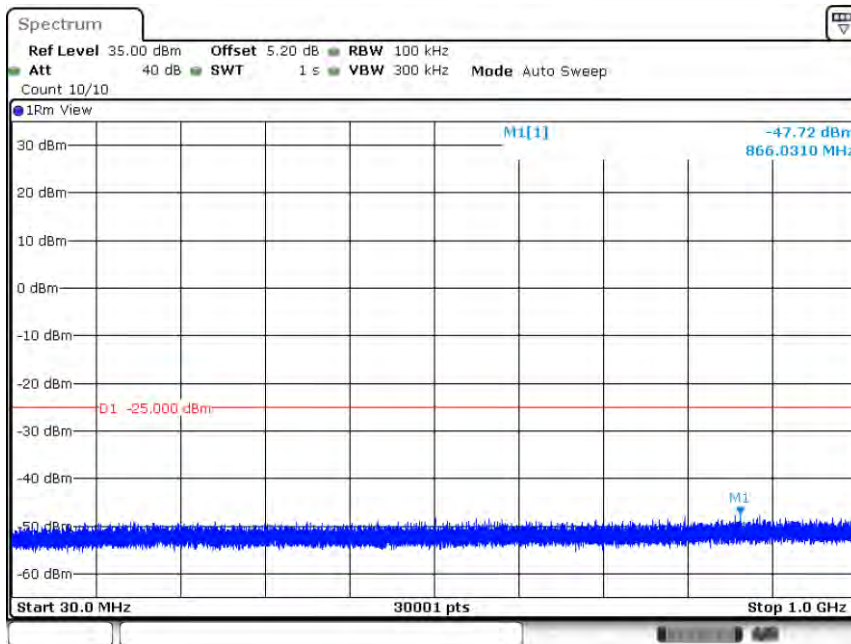
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**Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 15:47:33

**Band41-20MHz-64QAM-41490-1RB#0-Range1:30~1000MHz**

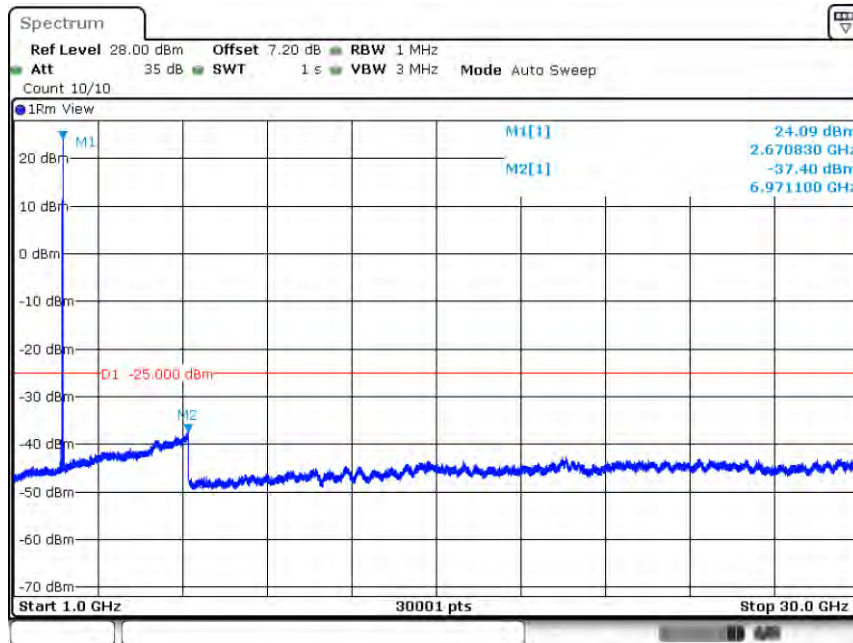


Date: 9.FEB.2021 15:47:52



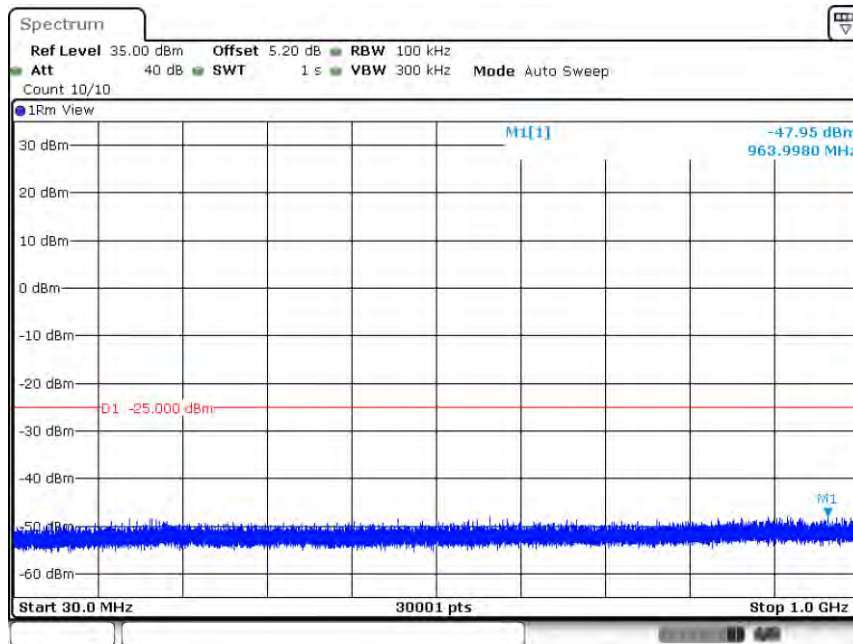
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**Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 15:48:08

**Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz**



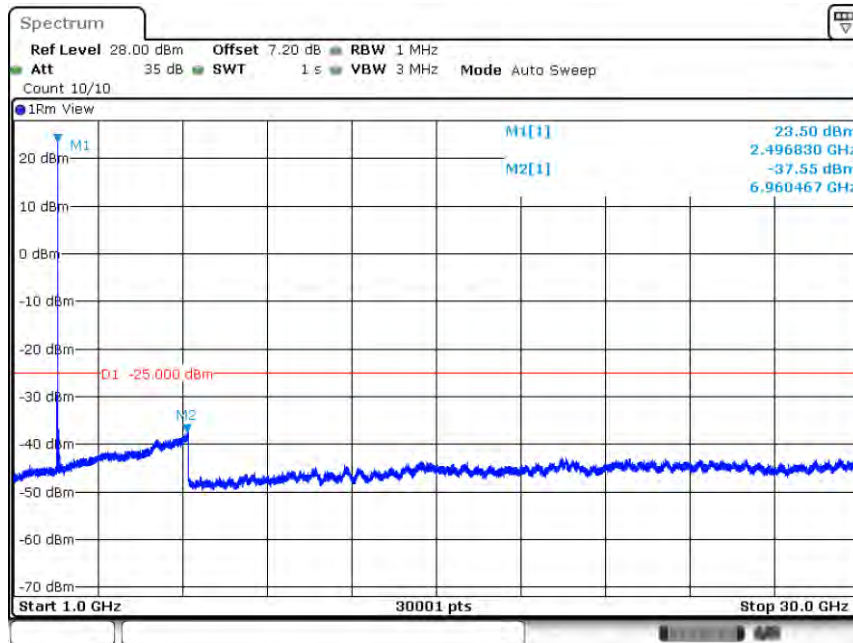
Date: 9.FEB.2021 11:25:50



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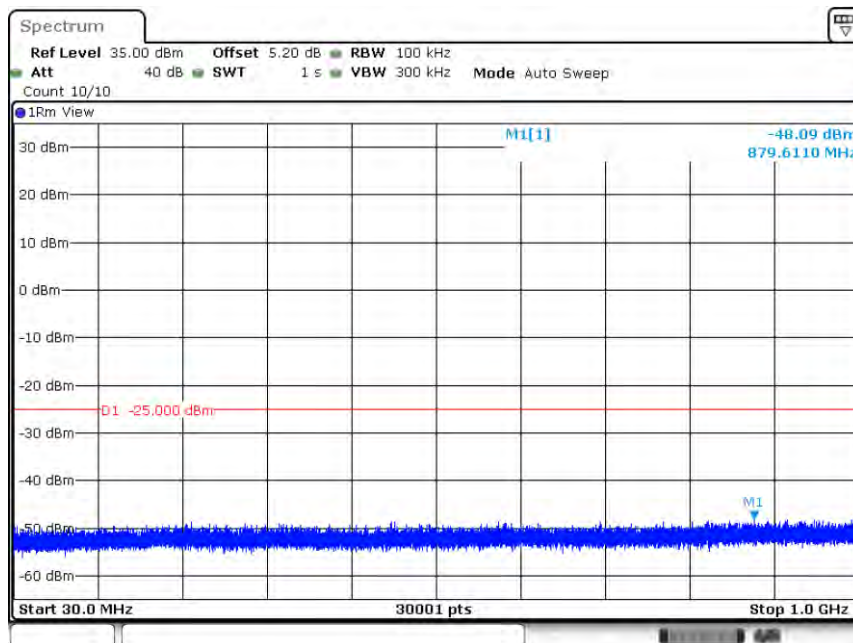
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**Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 11:26:06

**Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz**



Date: 9.FEB.2021 11:27:00

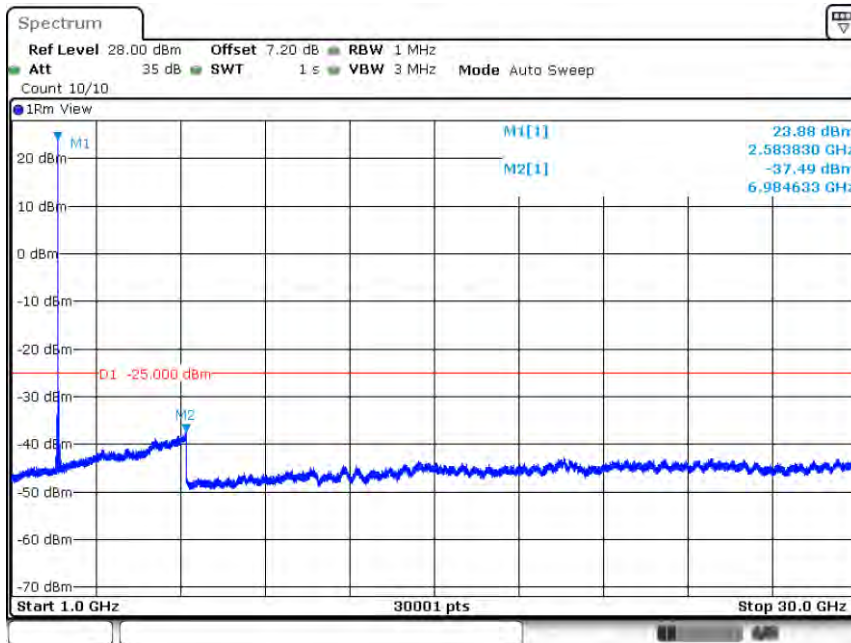


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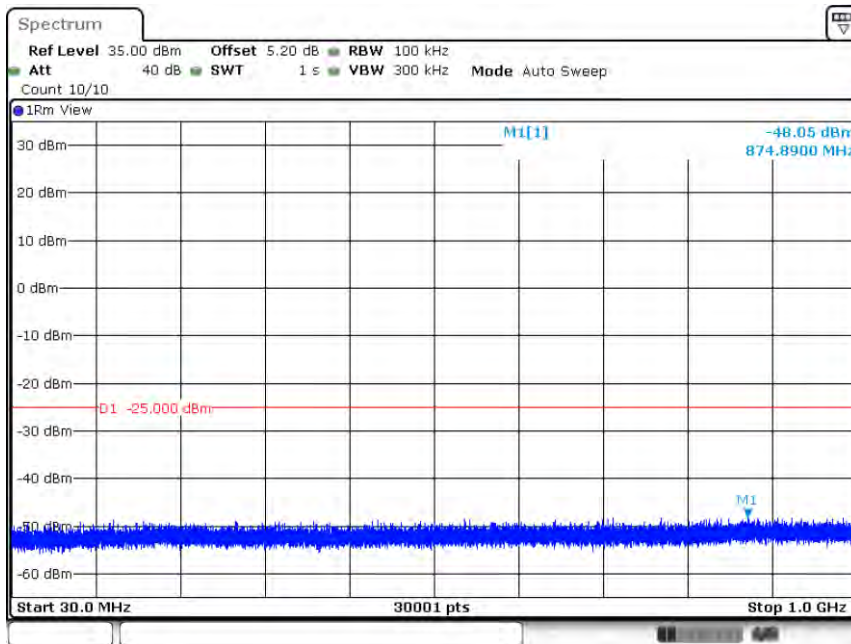


**Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz**



Date: 9.FEB.2021 11:27:16

**Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz**



Date: 9.FEB.2021 11:28:10

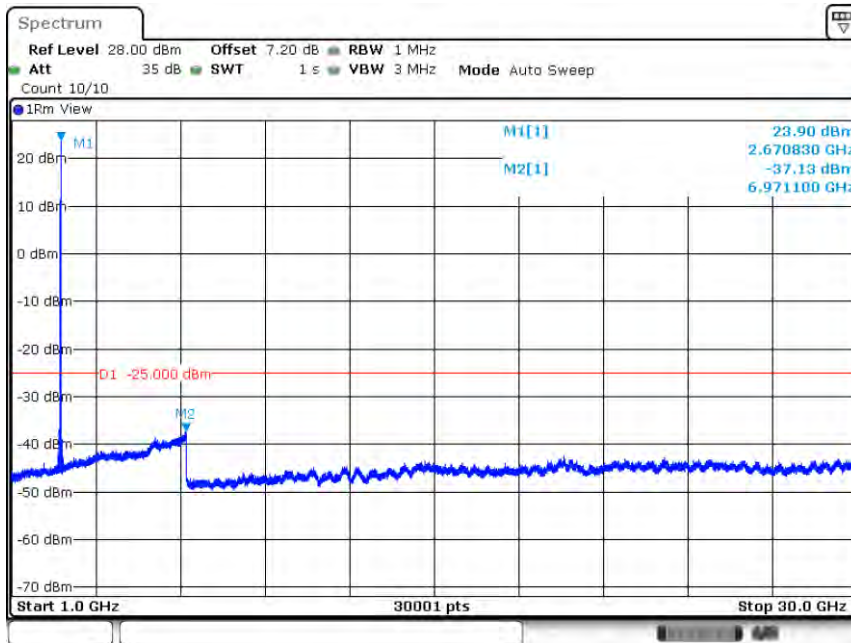


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Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz



Date: 9.FEB.2021 11:28:26



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE\_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	45.0358	-69.23	-62.23	-25.00	37.23	Horizontal
2	96.2058	-60.71	-65.90	-25.00	40.90	Horizontal
3	4994.0665	-30.18	-37.47	-25.00	12.47	Horizontal
4	7491.1497	-35.99	-36.00	-25.00	11.00	Horizontal
5	12485.316	-53.03	-45.26	-25.00	20.26	Horizontal
6	14982.899	-55.65	-44.95	-25.00	19.95	Horizontal



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

**7.2.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	55.6578	-67.78	-69.27	-25.00	44.27	Vertical
2	113.2302	-67.31	-61.18	-25.00	36.18	Vertical
3	4994.0665	-37.58	-44.82	-25.00	19.82	Vertical
4	7491.6497	-41.49	-41.37	-25.00	16.37	Vertical
5	9988.2329	-48.75	-43.20	-25.00	18.20	Vertical
6	14982.899	-54.79	-43.38	-25.00	18.38	Vertical



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**7.3. Test Band = LTE\_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	43.3867	-69.49	-62.55	-25.00	37.55	Horizontal
2	97.3699	-61.18	-66.15	-25.00	41.15	Horizontal
3	5168.0723	-34.62	-41.32	-25.00	16.32	Horizontal
4	7752.1584	-50.38	-51.53	-25.00	26.53	Horizontal
5	12920.330	-41.90	-32.30	-25.00	7.30	Horizontal
6	16399.946	-57.63	-43.18	-25.00	18.18	Horizontal



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**7.4. Test Band = LTE\_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	47.2184	-68.68	-70.48	-25.00	45.48	Vertical
2	113.2302	-67.62	-61.49	-25.00	36.49	Vertical
3	5168.0723	-41.45	-48.50	-25.00	23.50	Vertical
4	7752.1584	-50.03	-50.76	-25.00	25.76	Vertical
5	10336.744	-53.81	-47.51	-25.00	22.51	Vertical
6	12920.830	-44.98	-36.81	-25.00	11.81	Vertical



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

**7.5.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.0543	-68.85	-62.43	-25.00	37.43	Horizontal
2	96.3513	-60.06	-65.23	-25.00	40.23	Horizontal
3	5342.0781	-37.23	-44.23	-25.00	19.23	Horizontal
4	8013.1671	-40.53	-39.57	-25.00	14.57	Horizontal
5	10684.756	-46.58	-41.07	-25.00	16.07	Horizontal
6	16026.434	-53.38	-40.74	-25.00	15.74	Horizontal



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

**7.6.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.7034	-68.15	-69.84	-25.00	44.84	Vertical
2	113.6182	-67.53	-61.44	-25.00	36.44	Vertical
3	5342.5781	-37.55	-45.03	-25.00	20.03	Vertical
4	8013.1671	-48.24	-46.60	-25.00	21.60	Vertical
5	10684.256	-49.62	-43.02	-25.00	18.02	Vertical
6	16026.434	-46.99	-37.92	-25.00	12.92	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 above 18GHz and 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	-1.30	-0.000519	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-1.90	-0.000758	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-0.60	-0.000239	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-2.00	-0.000771	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-3.20	-0.001234	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-2.90	-0.001082	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-1.70	-0.000634	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	-1.40	-0.000522	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	-1.20	-0.000479	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	-0.30	-0.000120	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	-3.10	-0.001196	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	-3.40	-0.001311	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	-0.60	-0.000231	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	-0.80	-0.000299	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	-0.90	-0.000336	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	-3.80	-0.001516	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-0.80	-0.000319	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-3.70	-0.001427	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	-2.20	-0.000848	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	-0.20	-0.000077	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	-1.90	-0.000709	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	-1.60	-0.000597	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	-1.50	-0.000560	±2.5	PASS



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## 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	-3.40	-0.001357	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-3.80	-0.001516	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-1.70	-0.000678	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-2.00	-0.000798	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-3.30	-0.001317	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-3.60	-0.001437	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-2.40	-0.000958	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-1.40	-0.000559	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-2.00	-0.000798	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.00	-0.000386	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.60	-0.000231	±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	-1.80	-0.000694	±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	20	-4.00	-0.001543	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-2.50	-0.000964	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-2.80	-0.001080	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.00	-0.000386	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-3.10	-0.001157	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-0.40	-0.000149	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-3.10	-0.001157	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-2.70	-0.001007	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-2.10	-0.000784	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	-1.00	-0.000399	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	-1.70	-0.000678	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-10	-4.40	-0.001756	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	-1.40	-0.000559	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	-2.90	-0.001157	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	0.60	0.000239	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	-2.30	-0.000918	±2.5	PASS



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Band41	20MHz	64QAM	39750	100RB#0	NV	40	-2.40	-0.000958	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	-2.70	-0.001077	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	-3.30	-0.001273	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	-1.60	-0.000617	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-10	-1.40	-0.000540	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	-2.30	-0.000887	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	-2.20	-0.000848	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	-2.00	-0.000771	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	-4.30	-0.001658	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	-0.80	-0.000309	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	-0.60	-0.000224	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	-1.10	-0.000410	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-10	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	-0.90	-0.000336	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	-0.10	-0.000037	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	0.70	0.000261	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	-1.20	-0.000479	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	-1.20	-0.000479	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	-3.60	-0.001437	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	-1.80	-0.000718	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	-0.10	-0.000040	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	-2.40	-0.000958	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	-3.30	-0.001317	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	-3.20	-0.001277	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	-3.20	-0.001277	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-0.50	-0.000193	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	-1.50	-0.000578	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	-2.30	-0.000887	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	-1.90	-0.000733	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	-1.40	-0.000540	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	-4.00	-0.001543	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	-2.70	-0.001041	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	-3.20	-0.001234	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	-2.80	-0.001080	±2.5	PASS



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Band41	20MHz	16QAM	41490	100RB#0	NV	-30	-1.10	-0.000410	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	-2.80	-0.001045	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	-0.40	-0.000149	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-2.00	-0.000746	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	-2.80	-0.001045	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	-2.30	-0.000858	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	0.70	0.000261	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	-2.20	-0.000821	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	-2.20	-0.000821	±2.5	PASS



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