



Appendix B

E-UTRA Band 41



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT3:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.33	26.45	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.34	26.46	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.41	26.53	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	24.53	25.65	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	24.59	25.71	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	24.41	25.53	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.44	25.56	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.89	27.01	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.87	26.99	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.08	27.20	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	24.99	26.11	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	25.11	26.23	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	25.12	26.24	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.07	26.19	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.17	26.29	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.13	26.25	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.14	26.26	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	24.22	25.34	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	24.29	25.41	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	24.16	25.28	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.26	25.38	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.53	25.65	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.49	25.61	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.57	25.69	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	23.54	24.66	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	23.54	24.66	33.00	PASS



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Band41	5MHz	16QAM	39675	12RB#13	23.57	24.69	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.51	24.63	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.18	26.30	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.02	26.14	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.26	26.38	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	23.99	25.11	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	24.06	25.18	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	24.20	25.32	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.02	25.14	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.41	25.53	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.20	25.32	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.24	25.36	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	23.34	24.46	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	23.31	24.43	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	23.14	24.26	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.31	24.43	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.61	24.73	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.55	24.67	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.63	24.75	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	22.60	23.72	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	22.54	23.66	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	22.58	23.70	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	22.58	23.70	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.19	25.31	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.05	25.17	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.31	25.43	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	23.15	24.27	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	23.20	24.32	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	23.19	24.31	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.16	24.28	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.45	24.57	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.21	24.33	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.32	24.44	33.00	PASS



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Band41	5MHz	64QAM	41565	12RB#0	22.36	23.48	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#6	22.38	23.50	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	22.34	23.46	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.45	23.57	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.40	26.52	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.41	26.53	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.51	26.63	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	24.53	25.65	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	24.52	25.64	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	24.53	25.65	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.46	25.58	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.98	27.10	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.91	27.03	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.06	27.18	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	25.02	26.14	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	25.10	26.22	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	25.17	26.29	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.11	26.23	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.29	26.41	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.07	26.19	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.23	26.35	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	24.30	25.42	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	24.33	25.45	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	24.22	25.34	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.36	25.48	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.62	25.74	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.57	25.69	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.70	25.82	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	23.53	24.65	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	23.54	24.66	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	23.56	24.68	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.55	24.67	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.23	26.35	33.00	PASS



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Band41	10MHz	16QAM	40620	1RB#0	25.14	26.26	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.27	26.39	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#0	24.17	25.29	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	24.14	25.26	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	24.16	25.28	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.04	25.16	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.40	25.52	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.20	25.32	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.32	25.44	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	23.36	24.48	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	23.39	24.51	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	23.29	24.41	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.28	24.40	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.57	24.69	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.57	24.69	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.65	24.77	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	22.59	23.71	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	22.57	23.69	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	22.57	23.69	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.57	23.69	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.17	25.29	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.02	25.14	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.32	25.44	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	23.11	24.23	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	23.19	24.31	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	23.21	24.33	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.14	24.26	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.46	24.58	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.22	24.34	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.34	24.46	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	22.34	23.46	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	22.34	23.46	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	22.30	23.42	33.00	PASS



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Band41	10MHz	64QAM	41540	50RB#0	22.42	23.54	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	25.40	26.52	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	25.47	26.59	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.48	26.60	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	24.68	25.80	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	24.62	25.74	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	24.59	25.71	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.61	25.73	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.03	27.15	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.04	27.16	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.12	27.24	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	25.09	26.21	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	25.14	26.26	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	25.28	26.40	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.14	26.26	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.26	26.38	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.14	26.26	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.22	26.34	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	24.40	25.52	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	24.42	25.54	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	24.31	25.43	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.33	25.45	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.55	25.67	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.67	25.79	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.70	25.82	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	23.70	24.82	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	23.56	24.68	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	23.54	24.66	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.58	24.70	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.21	26.33	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.12	26.24	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.33	26.45	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	24.16	25.28	33.00	PASS



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Band41	15MHz	16QAM	40620	36RB#0	24.16	25.28	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	24.20	25.32	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.24	25.36	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.47	25.59	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.28	25.40	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.38	25.50	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	23.41	24.53	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	23.42	24.54	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	23.34	24.46	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.41	24.53	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.59	24.71	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.57	24.69	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.66	24.78	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	22.60	23.72	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#39	22.53	23.65	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	22.58	23.70	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	22.60	23.72	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.17	25.29	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.06	25.18	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.31	25.43	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	23.12	24.24	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	23.18	24.30	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	23.19	24.31	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.13	24.25	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.48	24.60	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.22	24.34	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.35	24.47	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	22.33	23.45	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	22.35	23.47	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	22.33	23.45	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.45	23.57	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.47	26.59	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.46	26.58	33.00	PASS



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Band41	20MHz	QPSK	39750	1RB#99	25.58	26.70	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#25	24.70	25.82	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	24.68	25.80	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	24.66	25.78	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.61	25.73	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	26.09	27.21	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.05	27.17	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.17	27.29	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	25.17	26.29	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	25.21	26.33	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	25.26	26.38	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.21	26.33	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.35	26.47	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.19	26.31	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.29	26.41	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.45	25.57	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.42	25.54	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	24.39	25.51	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.43	25.55	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.66	25.78	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.63	25.75	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.72	25.84	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	23.67	24.79	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	23.63	24.75	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	23.66	24.78	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.65	24.77	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.25	26.37	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.12	26.24	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.37	26.49	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	24.20	25.32	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	24.27	25.39	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	24.26	25.38	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.23	25.35	33.00	PASS



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Band41	20MHz	16QAM	41490	1RB#99	24.54	25.66	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.31	25.43	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.42	25.54	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	23.42	24.54	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	23.43	24.55	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	23.39	24.51	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.50	24.62	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.60	24.72	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.56	24.68	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.62	24.74	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	22.61	23.73	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	22.56	23.68	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	22.58	23.70	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	22.58	23.70	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.20	25.32	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.03	25.15	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.28	25.40	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	23.10	24.22	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	23.22	24.34	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	23.18	24.30	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.17	24.29	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.47	24.59	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.21	24.33	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	23.35	24.47	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	22.32	23.44	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	22.36	23.48	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#0	22.30	23.42	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.40	23.52	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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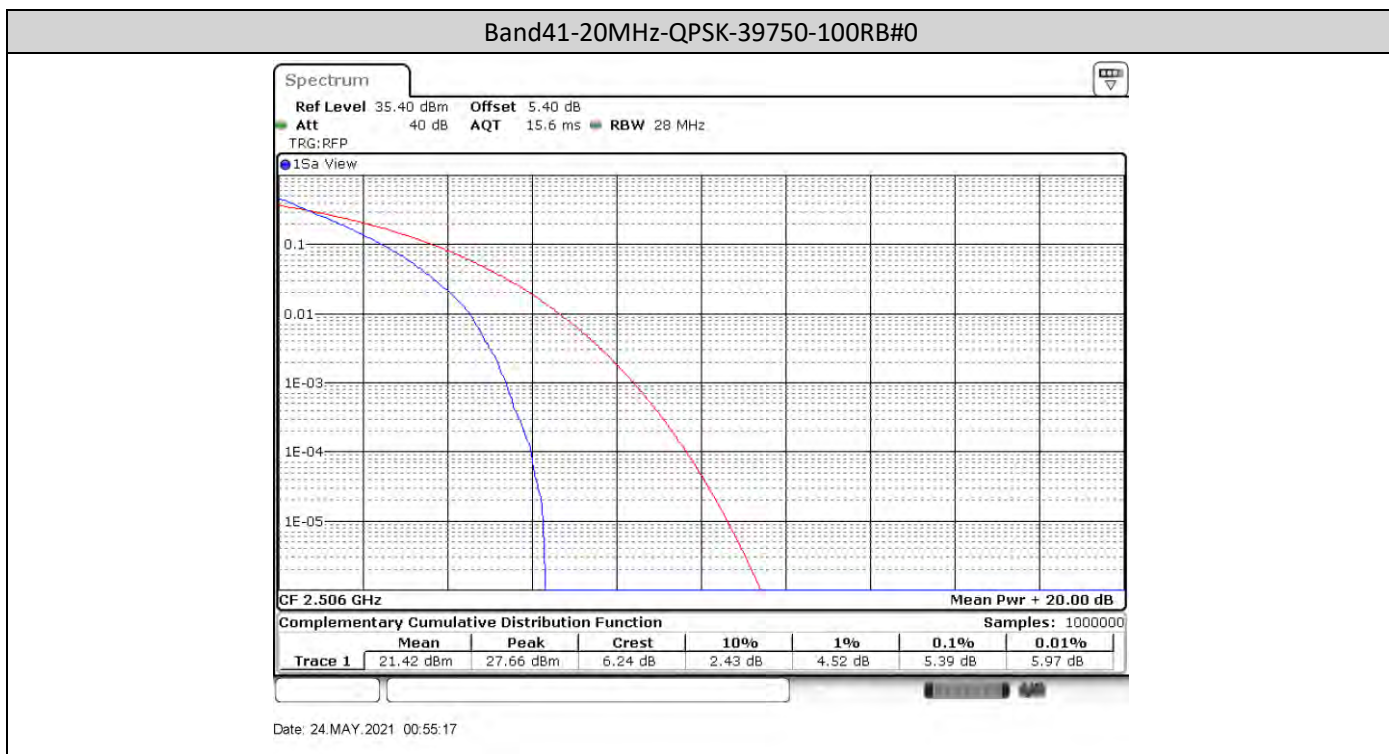


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	5.39	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.36	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.48	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	11.33	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.96	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.90	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.17	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	8.17	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.46	13	PASS

2.2. Test Plots

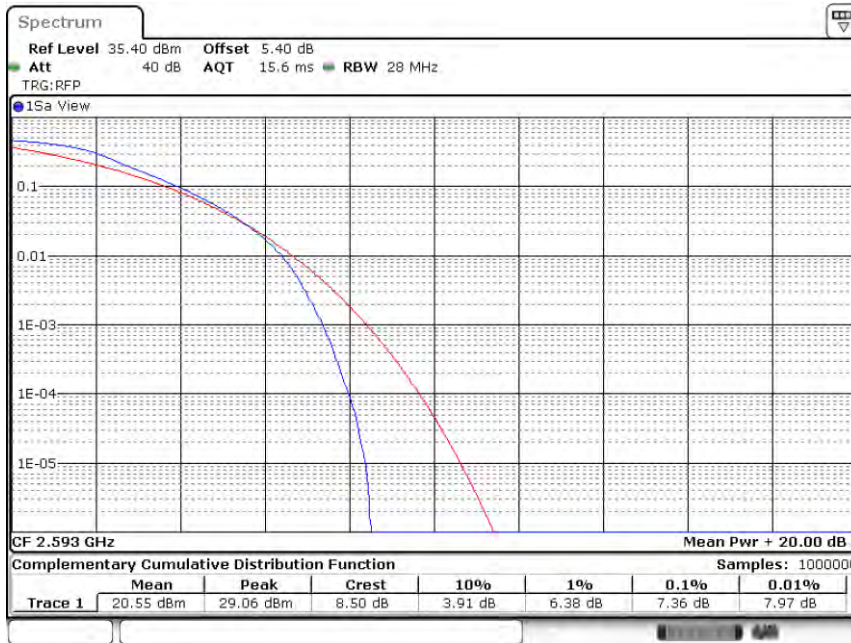


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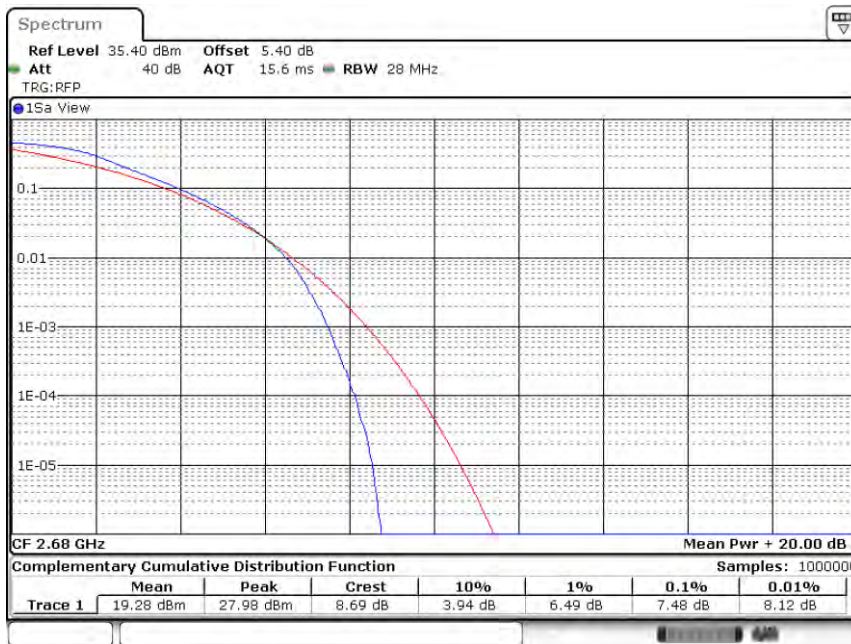
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Band41-20MHz-QPSK-40620-100RB#0



Date: 24 MAY 2021 00:55:41

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



Date: 24 MAY 2021 00:56:03



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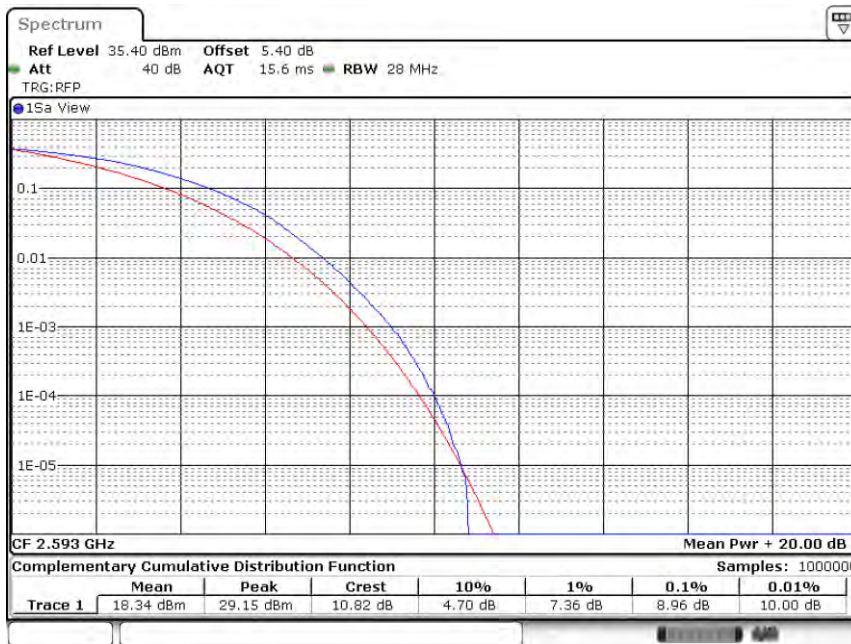
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Band41-20MHz-64QAM-39750-100RB#0



Date: 24 MAY 2021 01:10:23

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

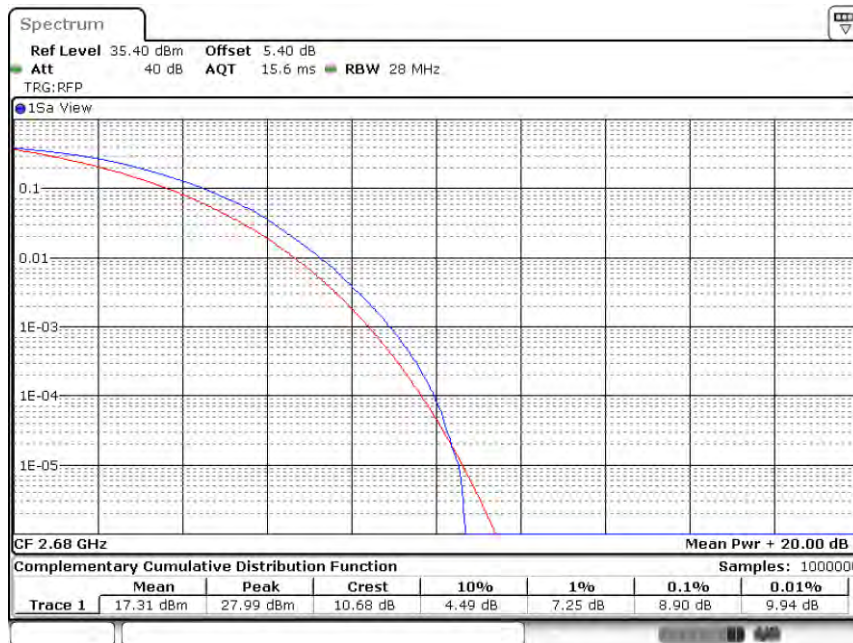


Date: 24 MAY 2021 01:10:34



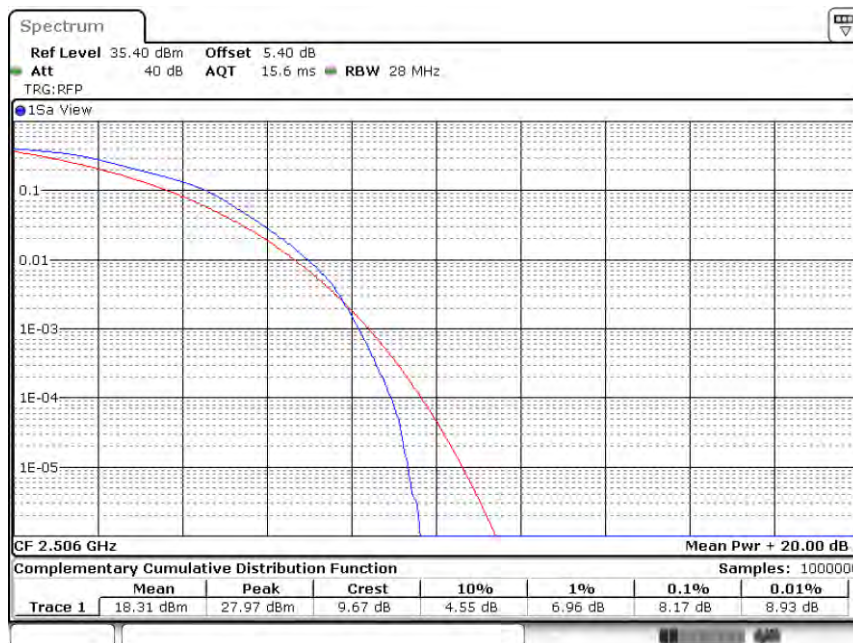
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Band41-20MHz-64QAM-41490-100RB#0



Date: 24 MAY.2021 01:10:46

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



Date: 24 MAY.2021 00:55:29



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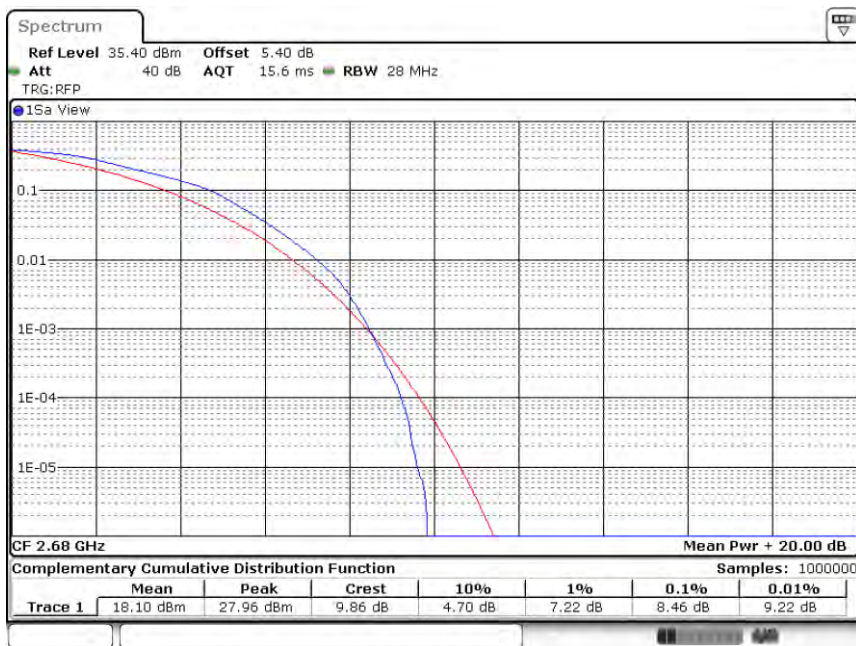


Band41-20MHz-16QAM-40620-100RB#0



Date: 24 MAY 2021 00:55:52

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



Date: 24 MAY 2021 00:56:14

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



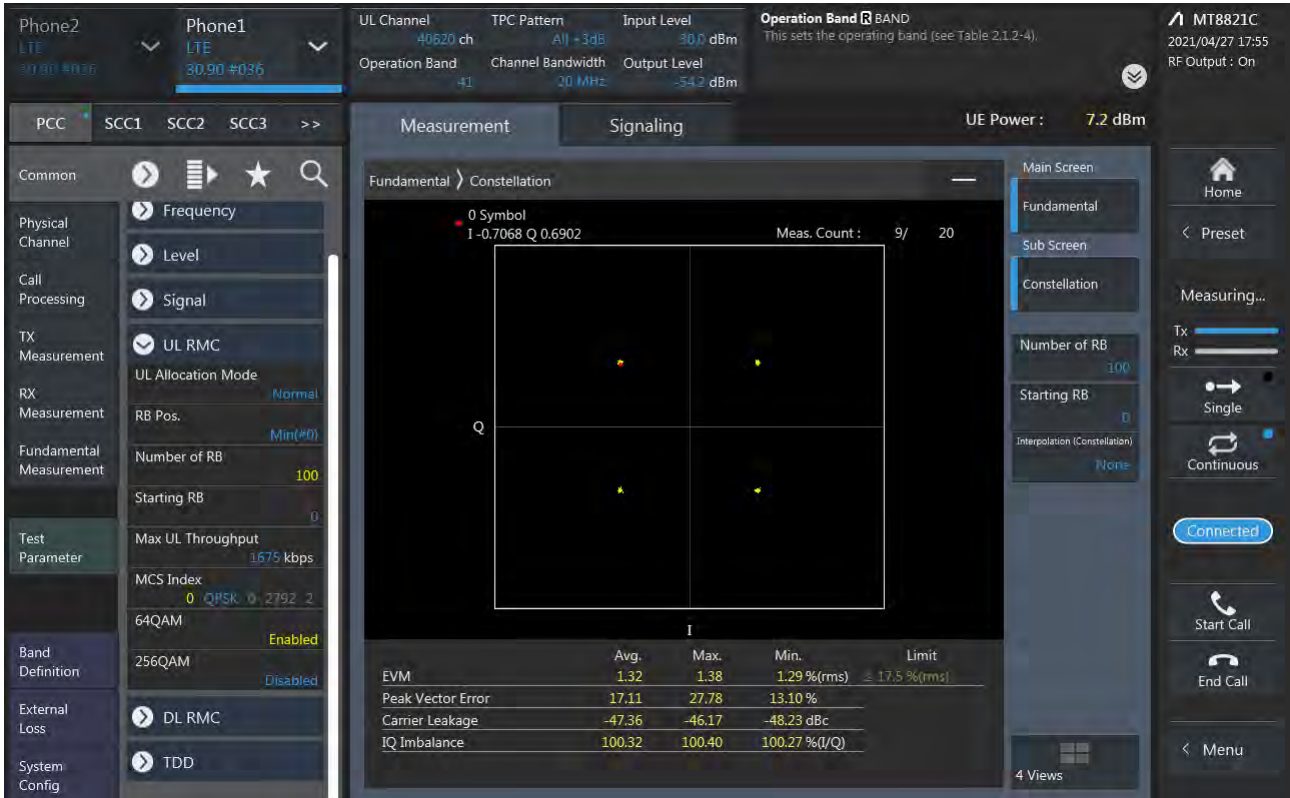
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

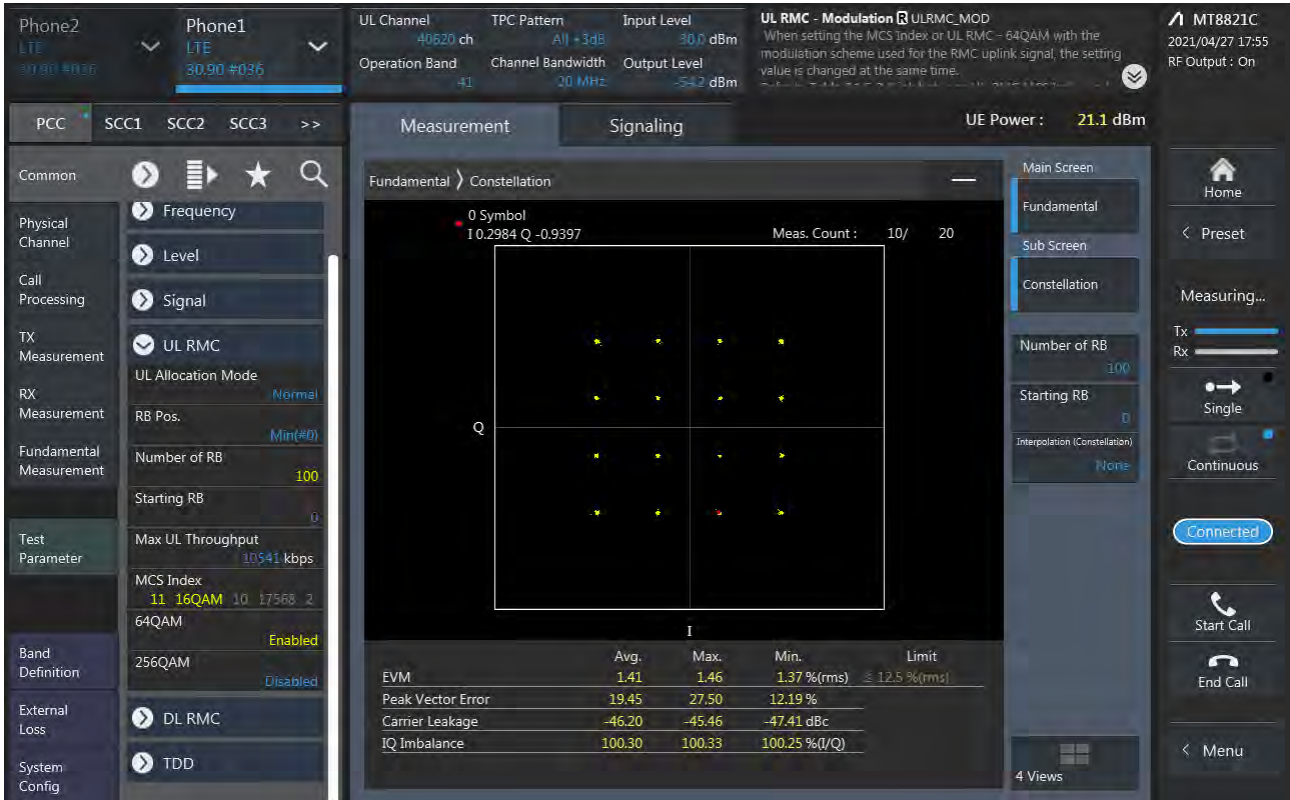


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

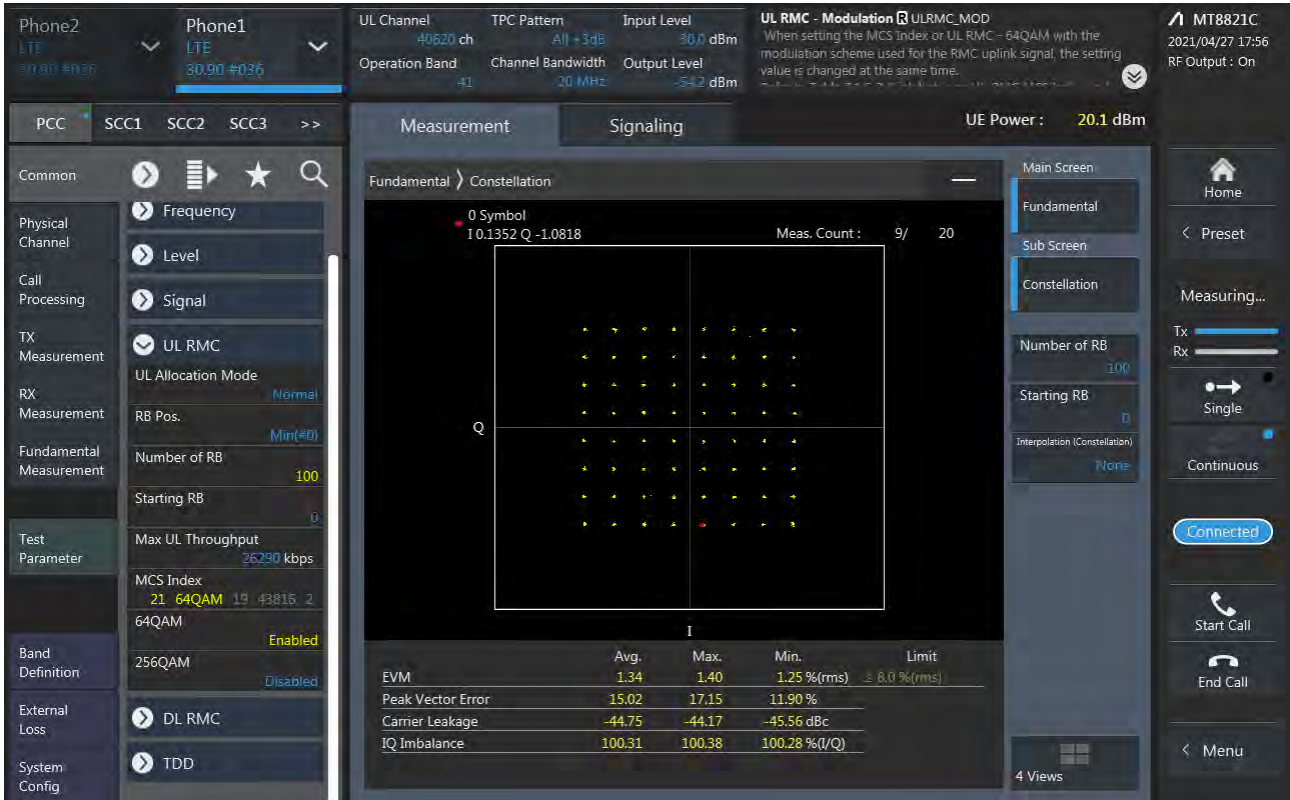


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3.3. Test Mode = LTE /TM3 20MHz

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	4.840	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.466	4.900	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.476	5.020	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.486	5.030	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	4.990	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.920	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.496	4.920	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	4.910	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.931	9.820	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.931	9.820	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.931	9.820	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.951	9.800	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.951	9.860	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.951	9.920	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.700	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.931	9.700	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.931	9.680	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	15.480	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	15.360	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	15.540	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	14.880	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.427	14.760	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.457	14.760	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.487	15.000	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.487	15.120	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.487	15.330	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.942	19.720	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	19.800	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.902	19.880	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.942	19.720	PASS



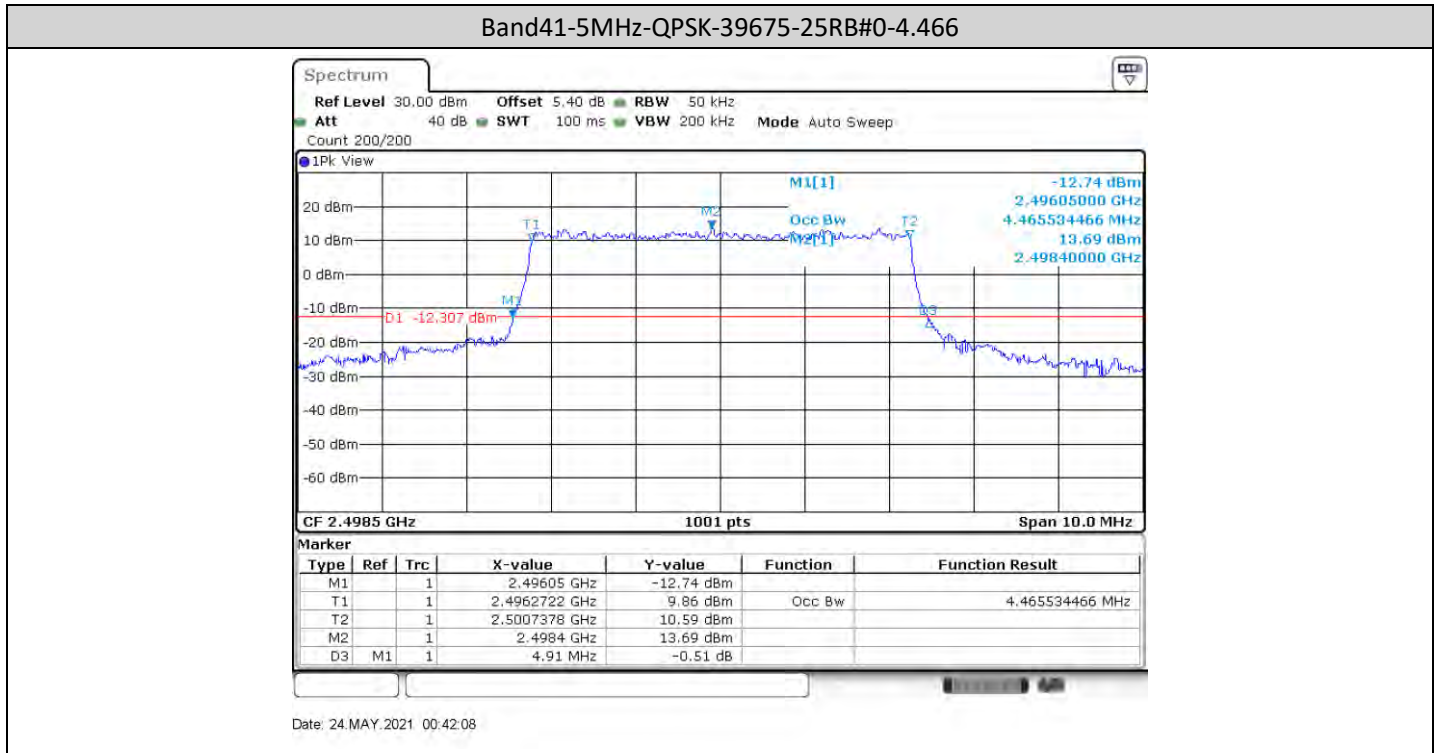
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Band41	20MHz	64QAM	40620	100RB#0	17.942	19.800	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.902	20.000	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.942	19.760	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.902	19.880	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.942	20.040	PASS

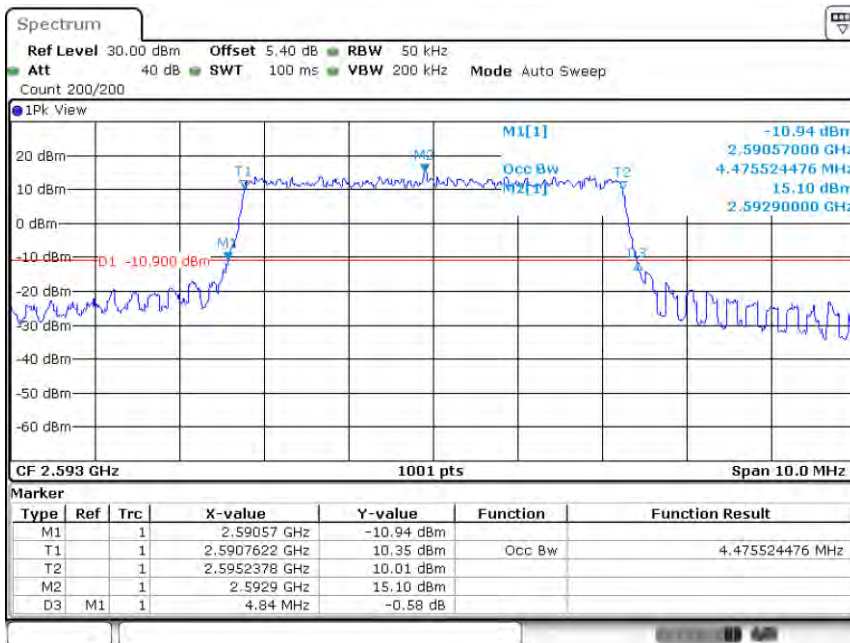
4.2. Test Plots



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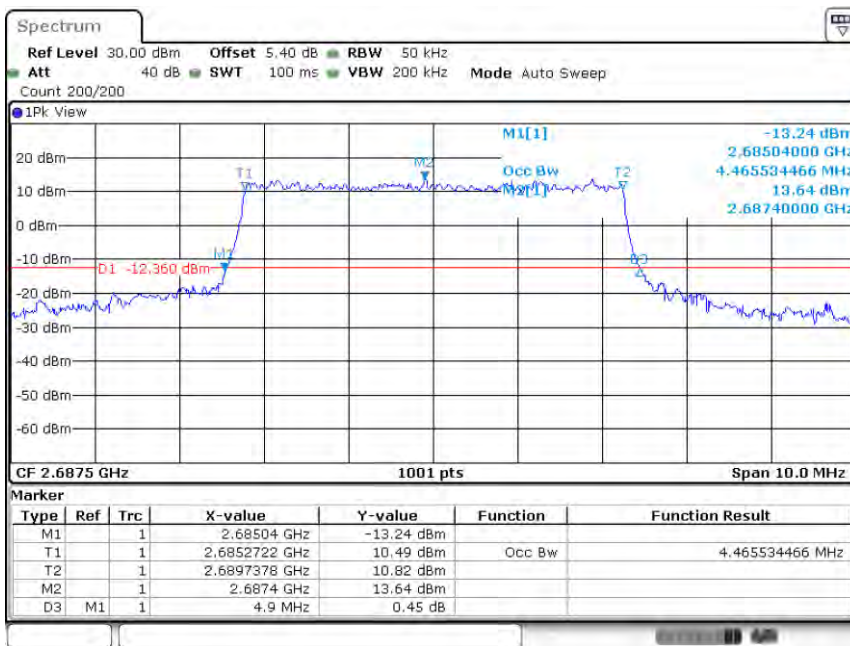


Band41-5MHz-QPSK-40620-25RB#0-4.476



Date: 24 MAY.2021 00:43:14

Band41-5MHz-QPSK-41565-25RB#0-4.466

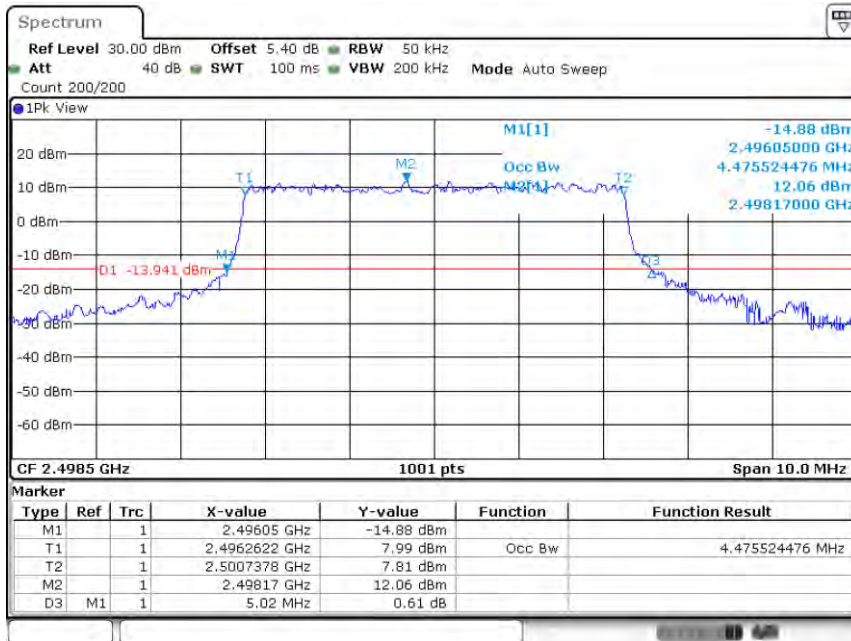


Date: 24 MAY.2021 00:44:20



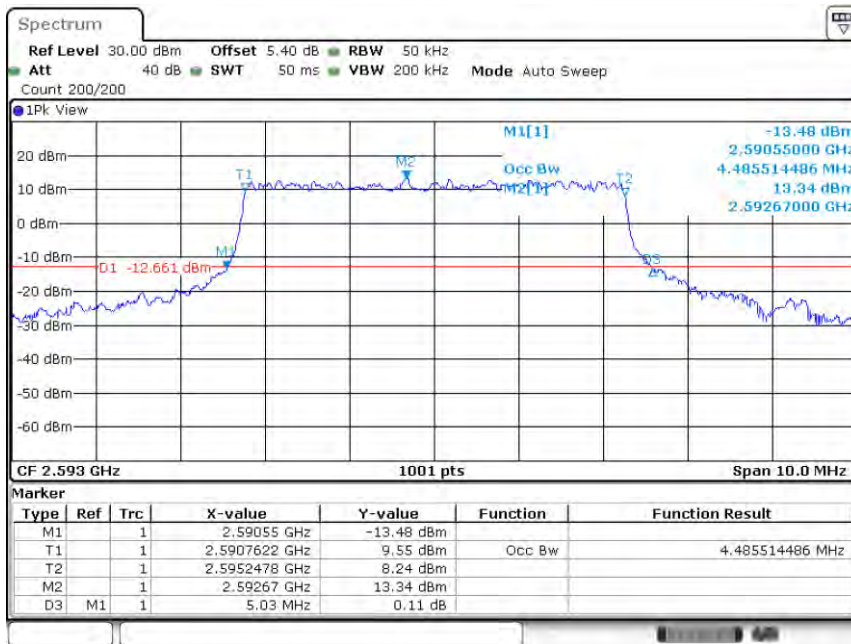
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Band41-5MHz-64QAM-39675-25RB#0-4.476



Date: 24 MAY.2021 01:50:41

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



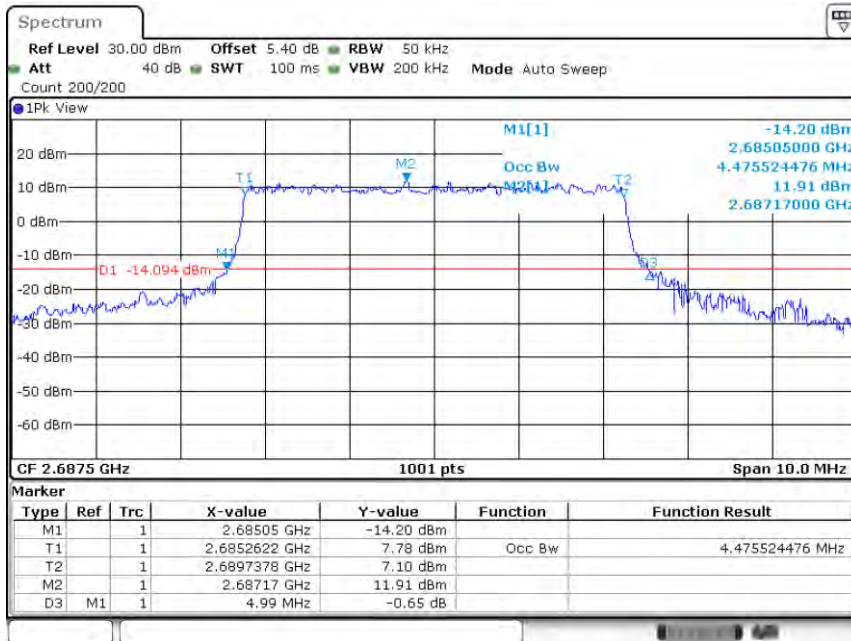
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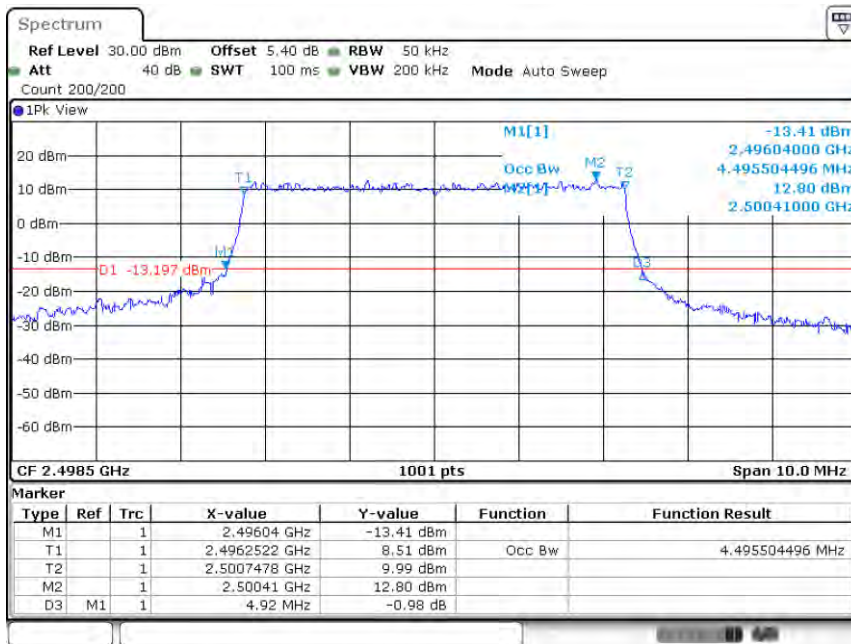


Band41-5MHz-64QAM-41565-25RB#0-4.476



Date: 24 MAY.2021 01:53:11

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

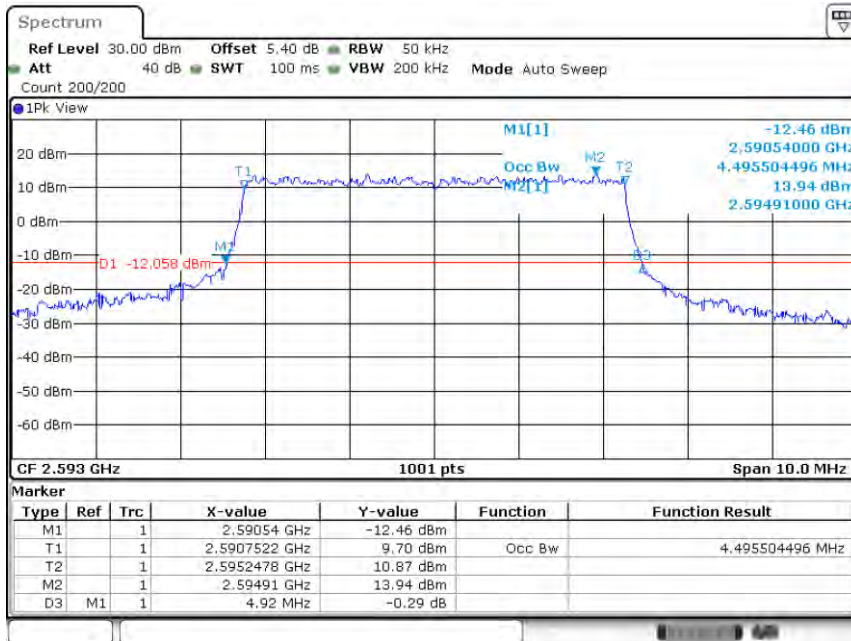


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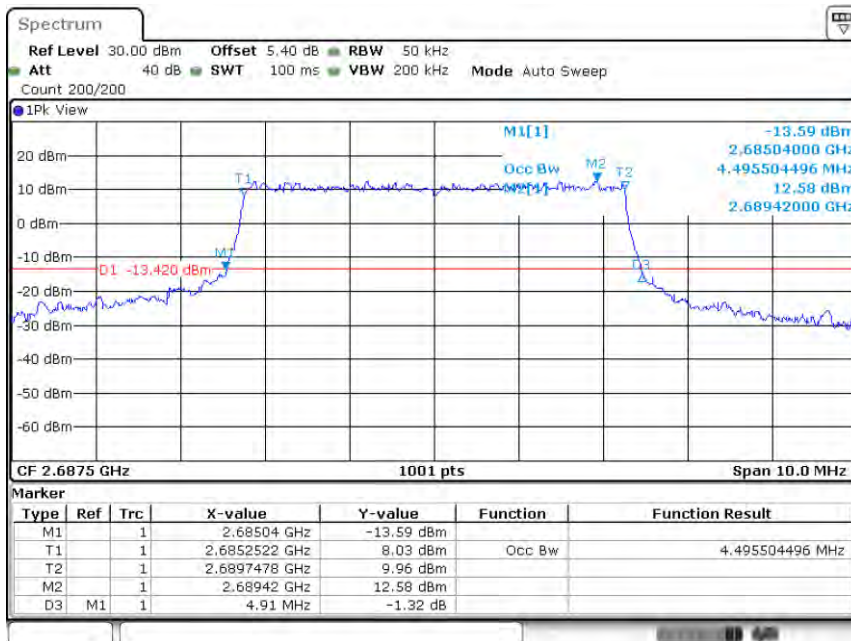
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Band41-5MHz-16QAM-40620-25RB#0-4.496



Date: 24 MAY.2021 00:43:46

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



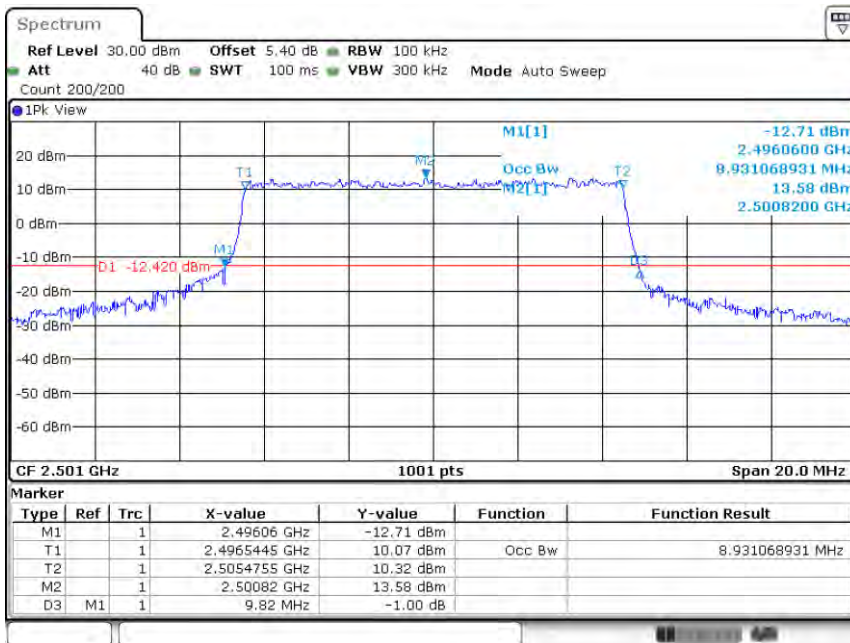
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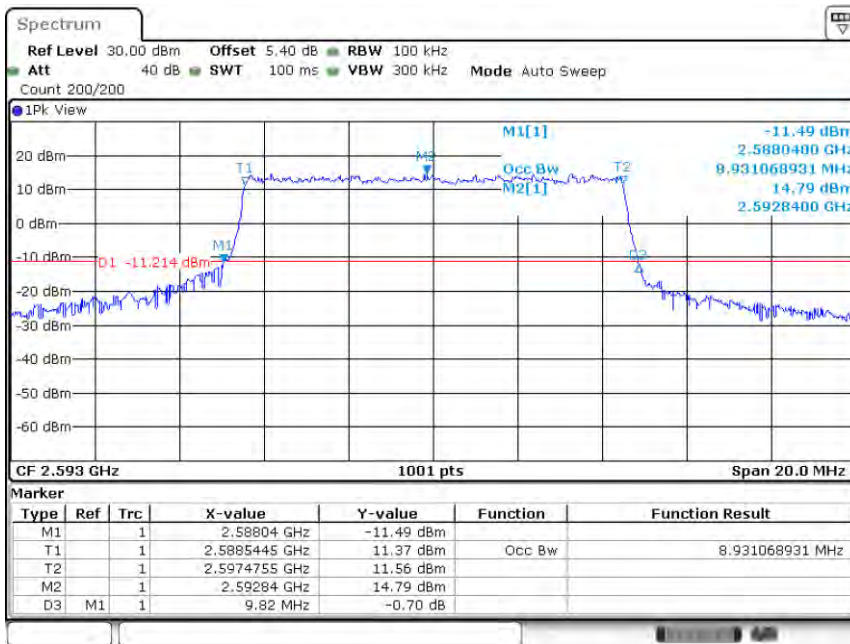


Band41-10MHz-QPSK-39700-50RB#0-8.931



Date: 24 MAY.2021 00:45:31

Band41-10MHz-QPSK-40620-50RB#0-8.931

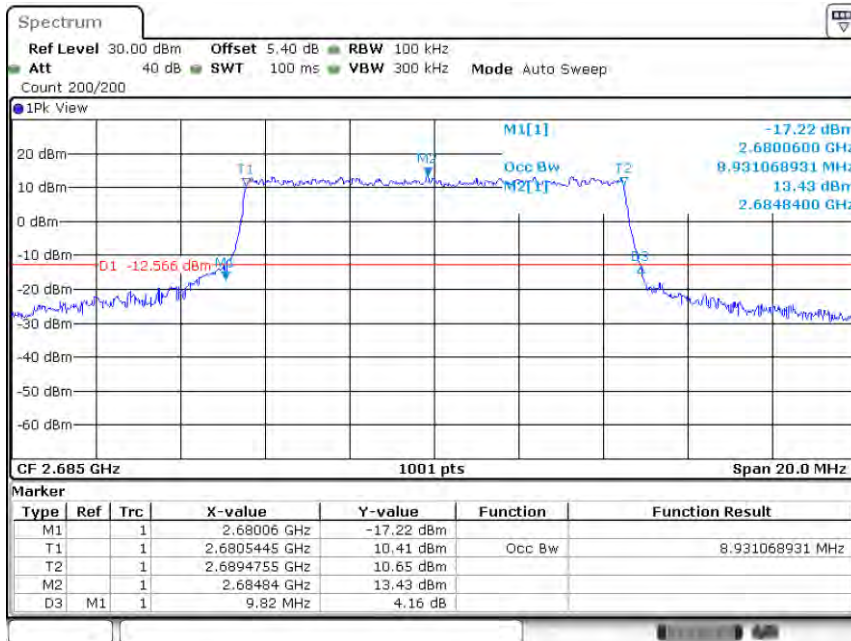


Date: 24 MAY.2021 00:46:37



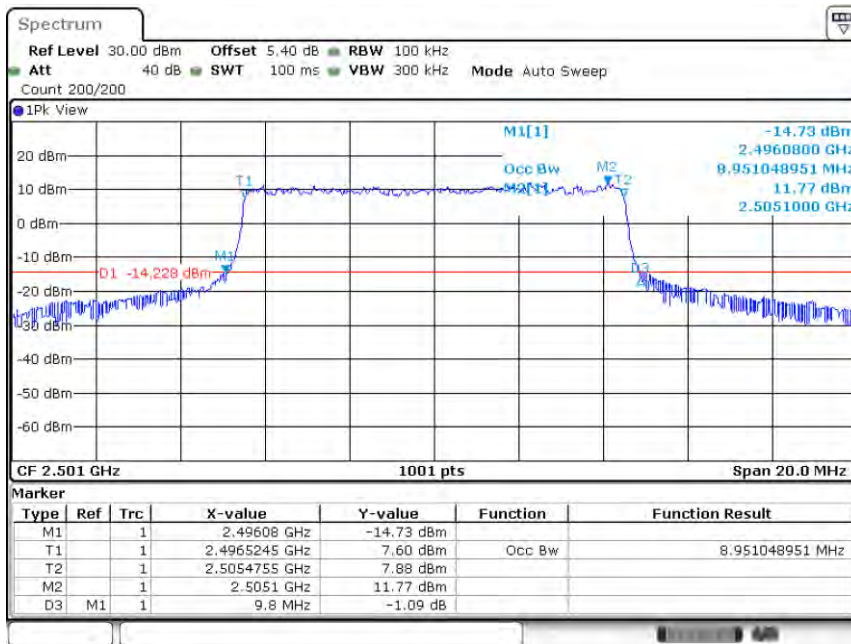
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Band41-10MHz-QPSK-41540-50RB#0-8.931



Date: 24 MAY.2021 00:47:43

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



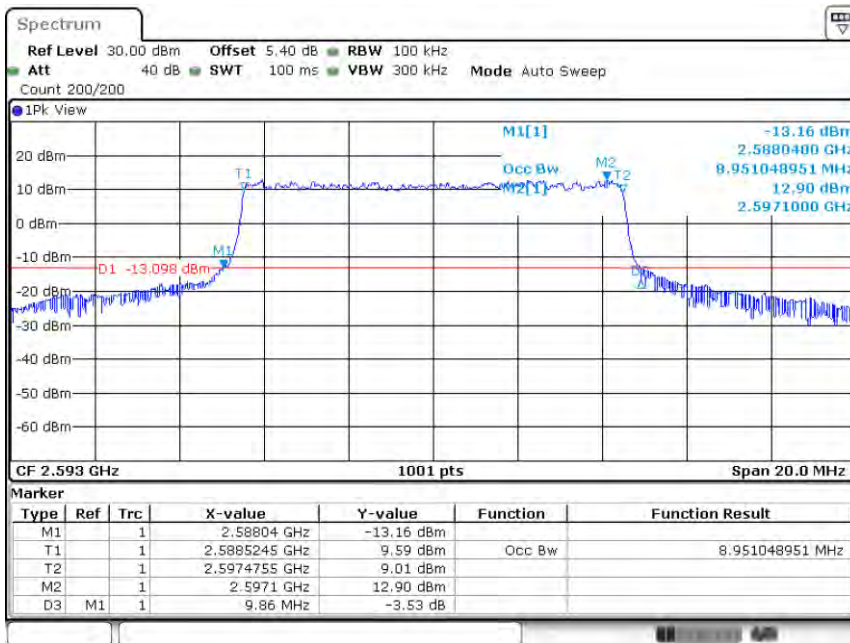
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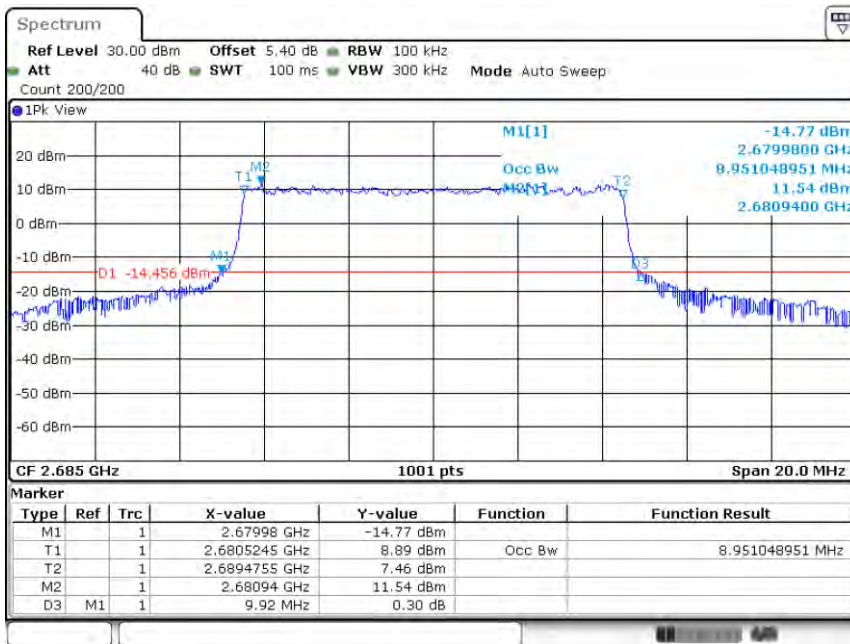


Band41-10MHz-64QAM-40620-50RB#0-8.951



Date: 24 MAY.2021 01:06:03

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



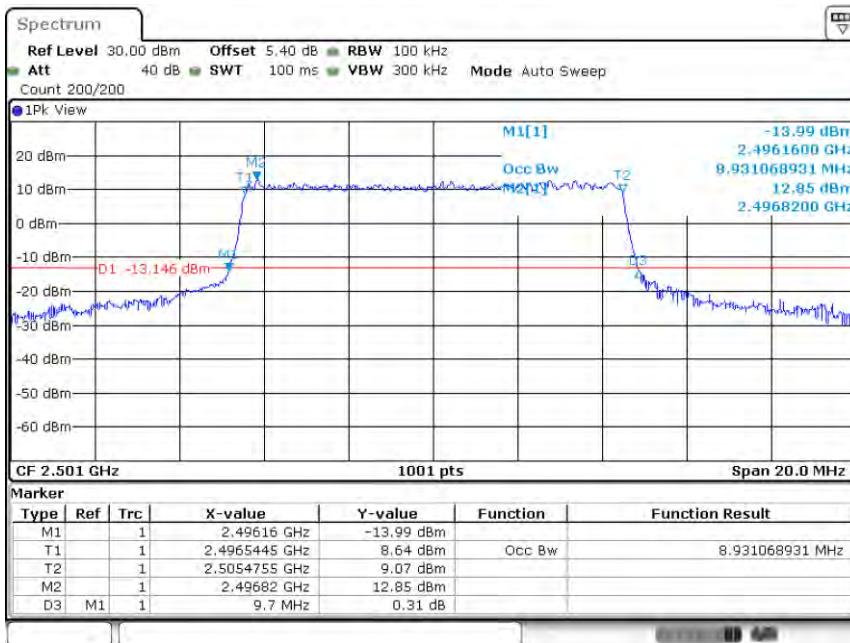
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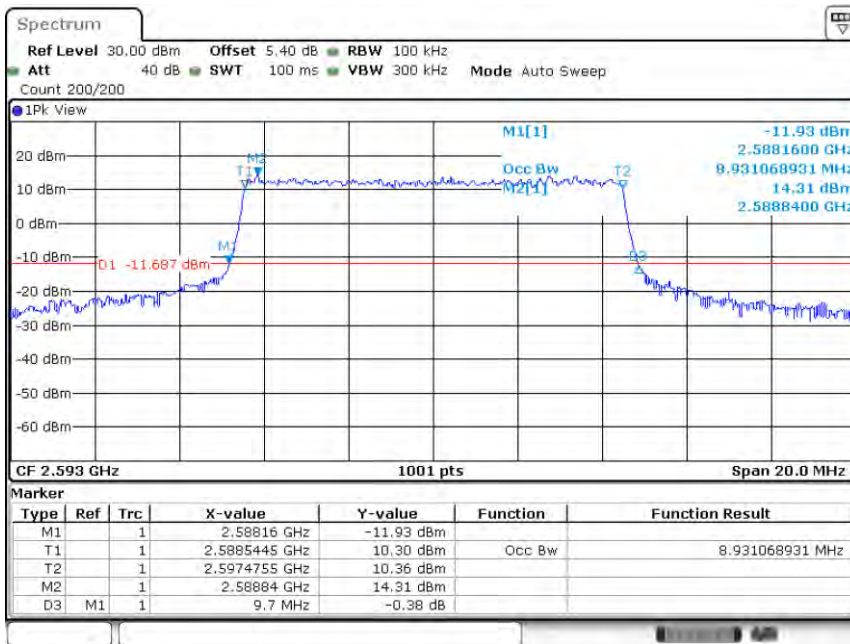


Band41-10MHz-16QAM-39700-50RB#0-8.931



Date: 24 MAY.2021 00:46:04

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



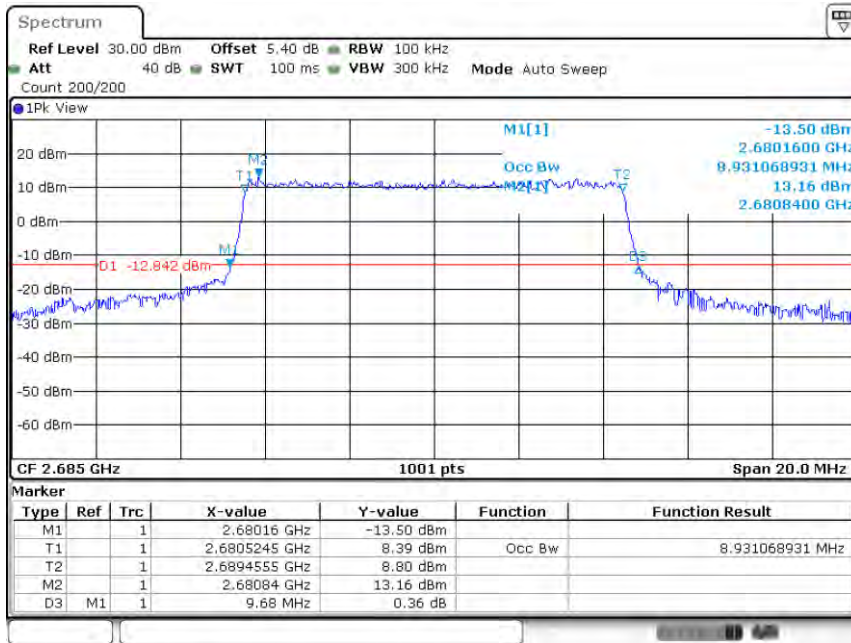
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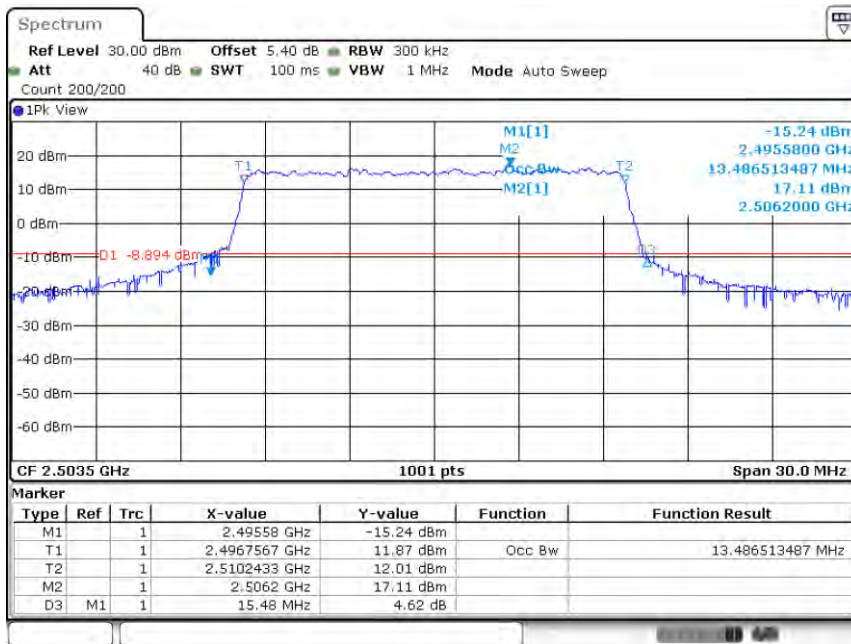


Band41-10MHz-16QAM-41540-50RB#0-8.931



Date: 24 MAY.2021 00:48:16

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

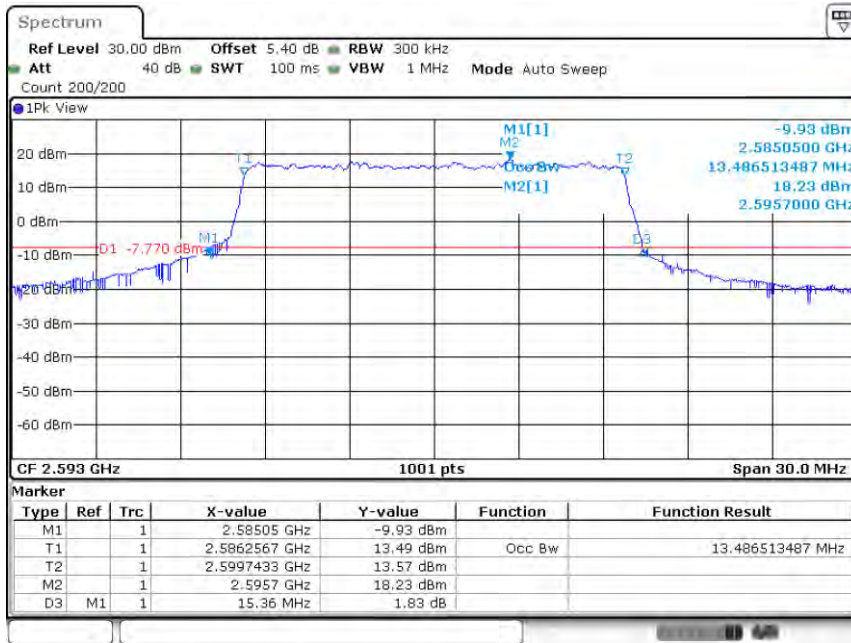


Date: 24 MAY.2021 00:48:54



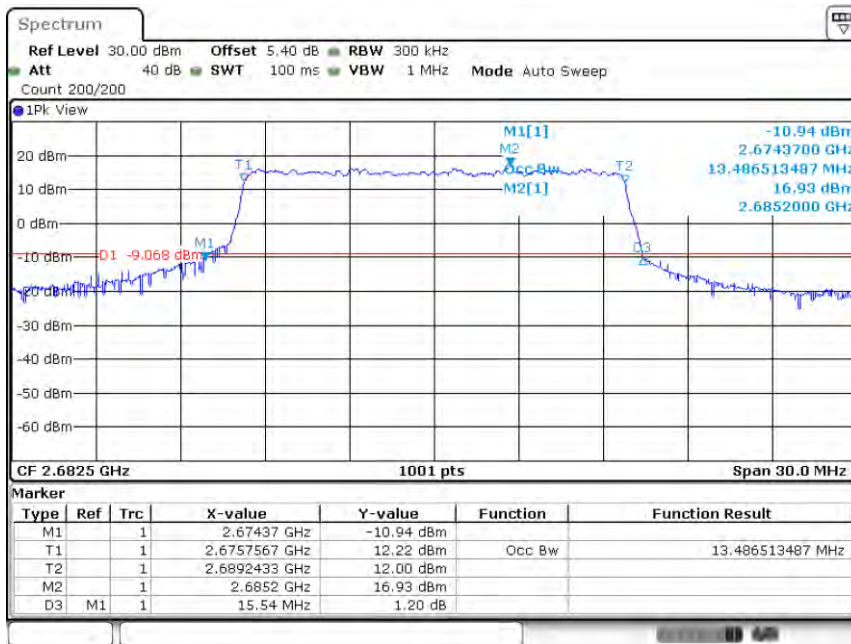
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Band41-15MHz-QPSK-40620-75RB#0-13.487



Date: 24 MAY.2021 00:50:00

Band41-15MHz-QPSK-41515-75RB#0-13.487

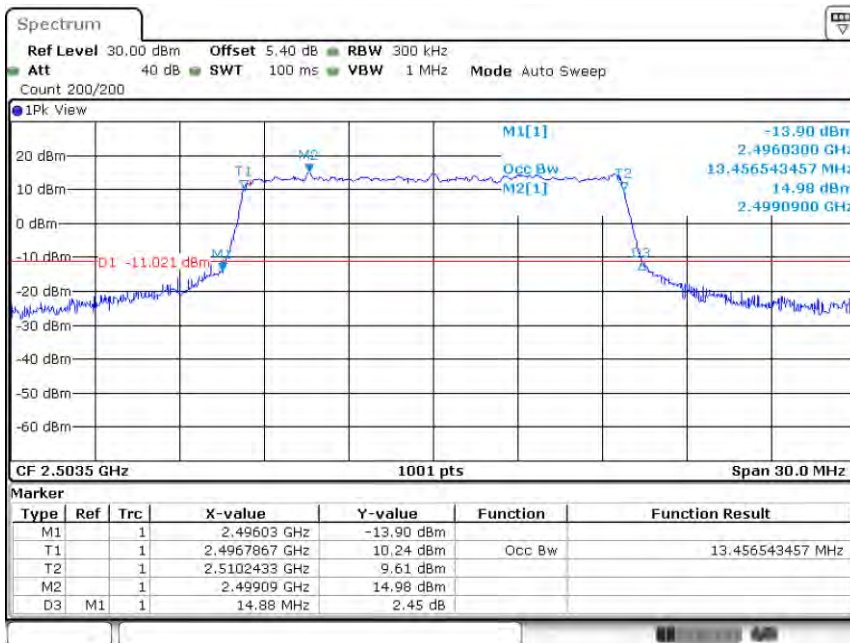


Date: 24 MAY.2021 00:51:06



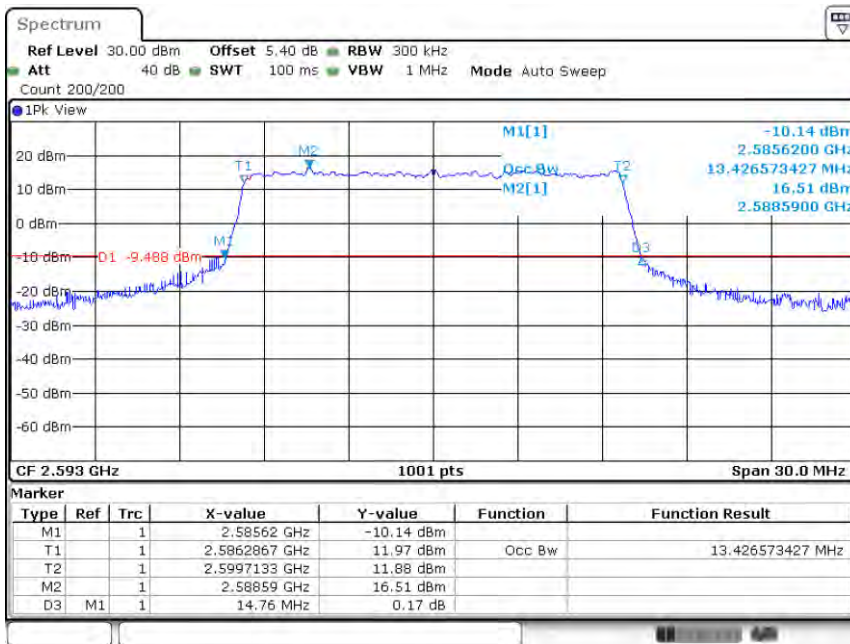
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Band41-15MHz-64QAM-39725-75RB#0-13.457



Date: 24 MAY.2021 01:07:15

Band41-15MHz-64QAM-40620-75RB#0-13.427

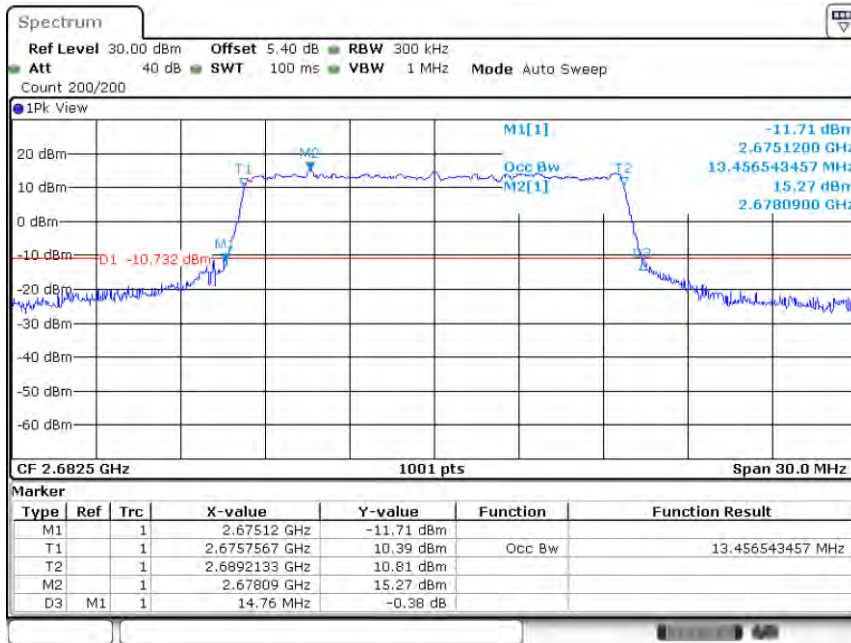


Date: 24 MAY.2021 01:07:48



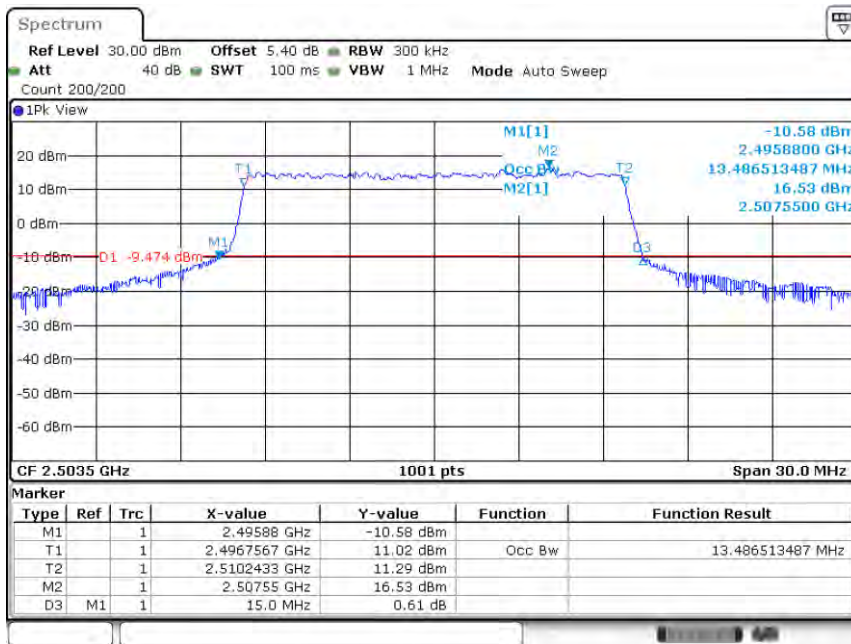
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Band41-15MHz-64QAM-41515-75RB#0-13.457



Date: 24 MAY.2021 01:08:21

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



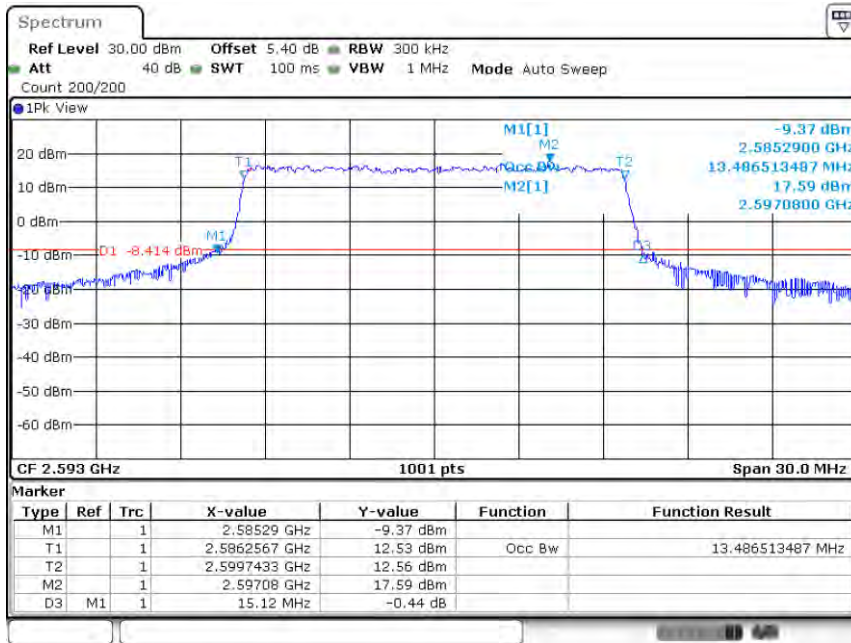
Date: 24 MAY.2021 00:49:27



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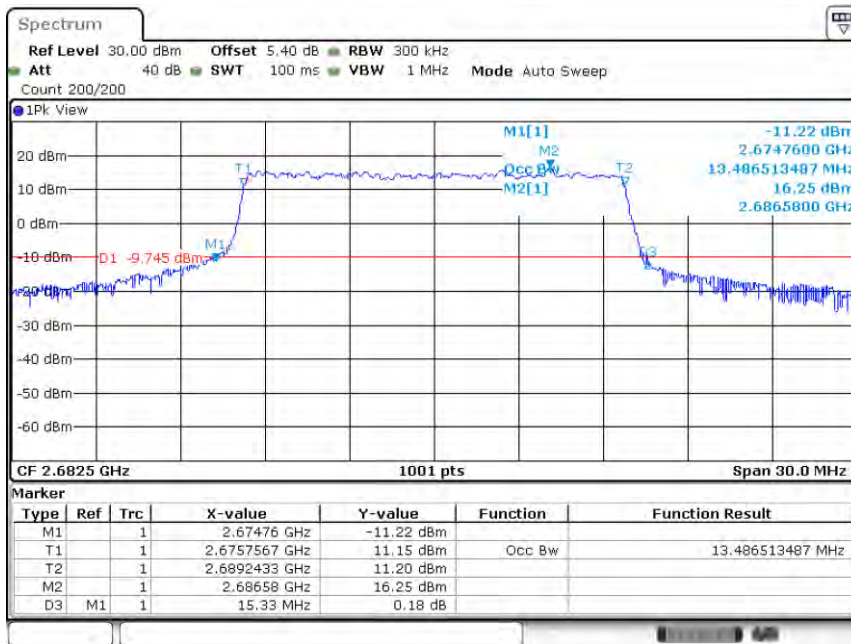


Band41-15MHz-16QAM-40620-75RB#0-13.487



Date: 24 MAY.2021 00:50:33

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



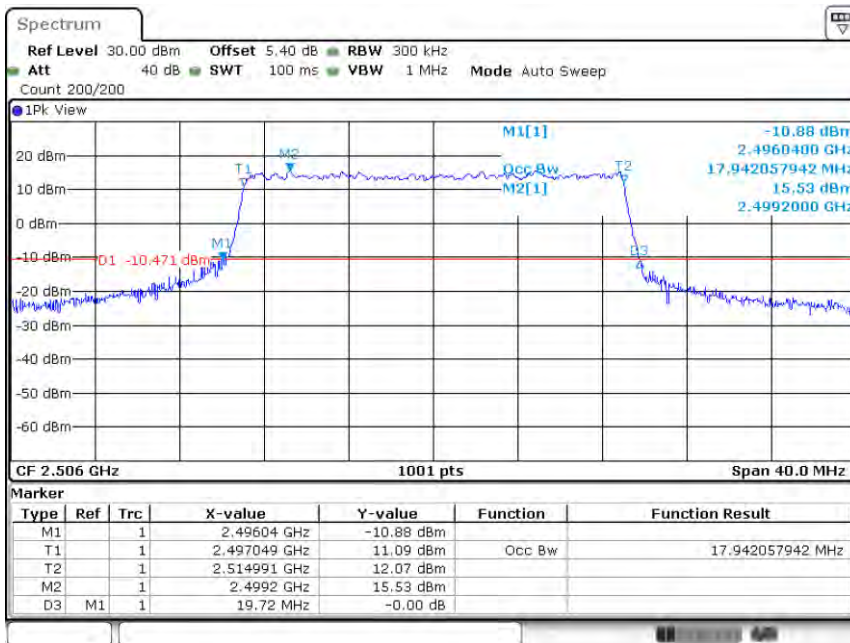
Date: 24 MAY.2021 00:51:39



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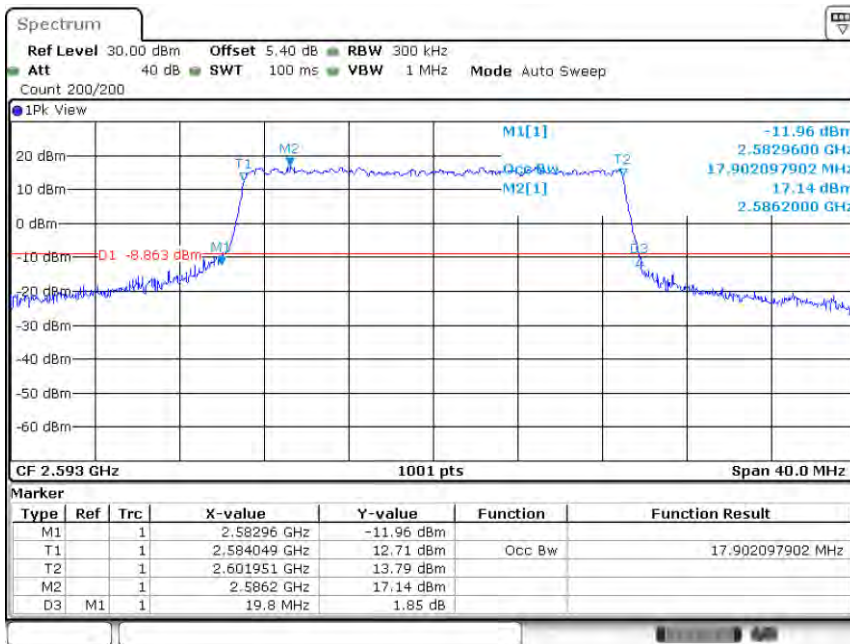


Band41-20MHz-QPSK-39750-100RB#0-17.942



Date: 24 MAY.2021 00:52:17

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

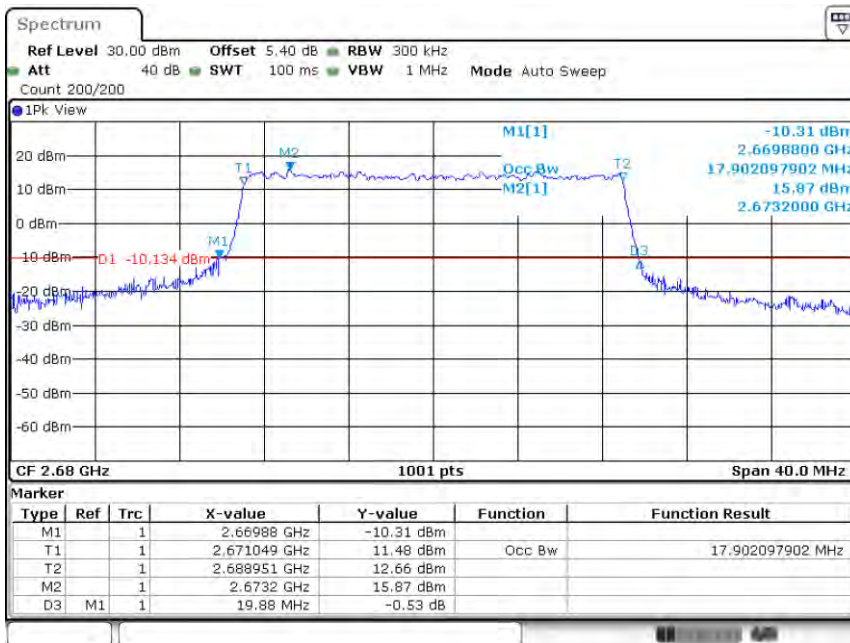


Date: 24 MAY.2021 00:53:23



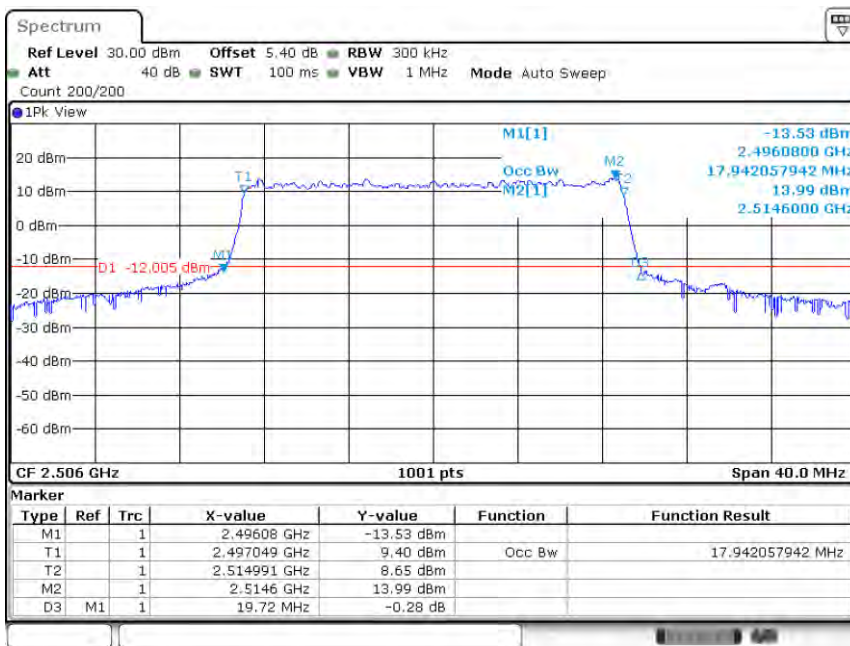
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Band41-20MHz-QPSK-41490-100RB#0-17.902



Date: 24 MAY.2021 00:54:29

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

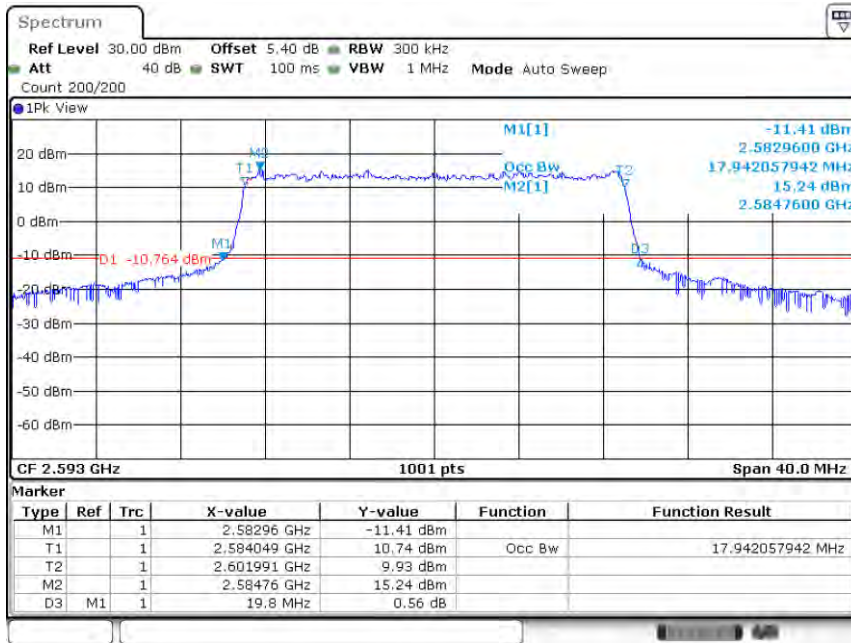


Date: 24 MAY.2021 01:09:00



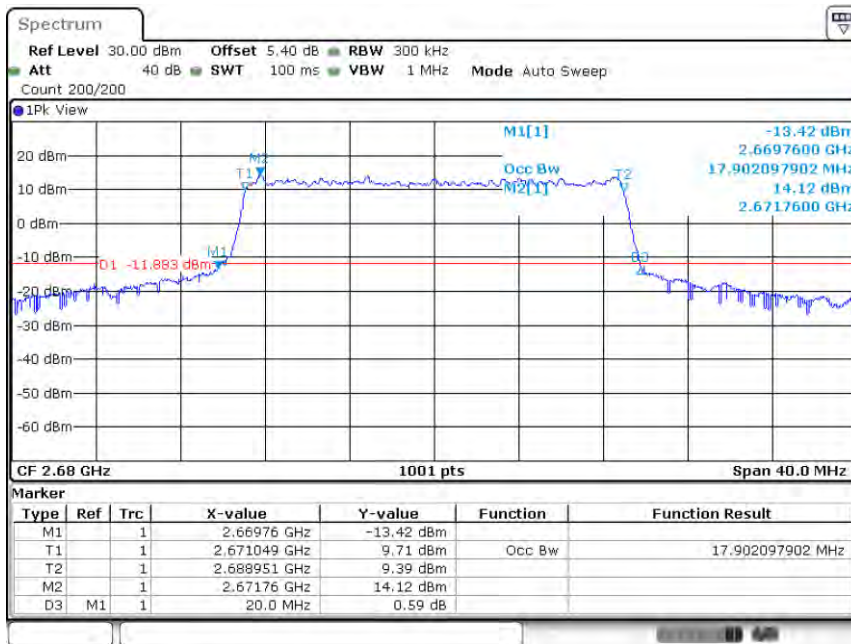
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Band41-20MHz-64QAM-40620-100RB#0-17.942



Date: 24 MAY.2021 01:09:33

Band41-20MHz-64QAM-41490-100RB#0-17.902

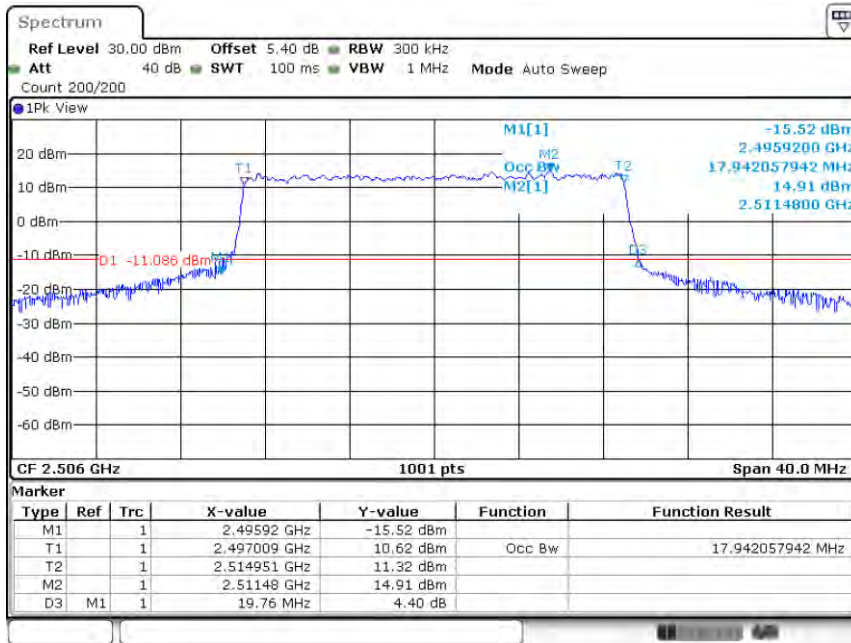


Date: 24 MAY.2021 01:10:06



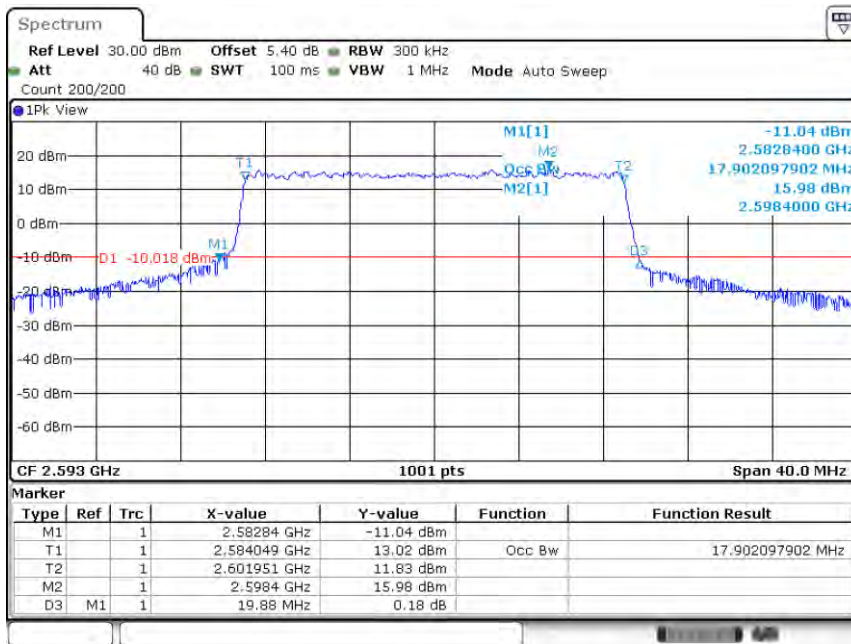
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Band41-20MHz-16QAM-39750-100RB#0-17.942



Date: 24 MAY.2021 00:52:50

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

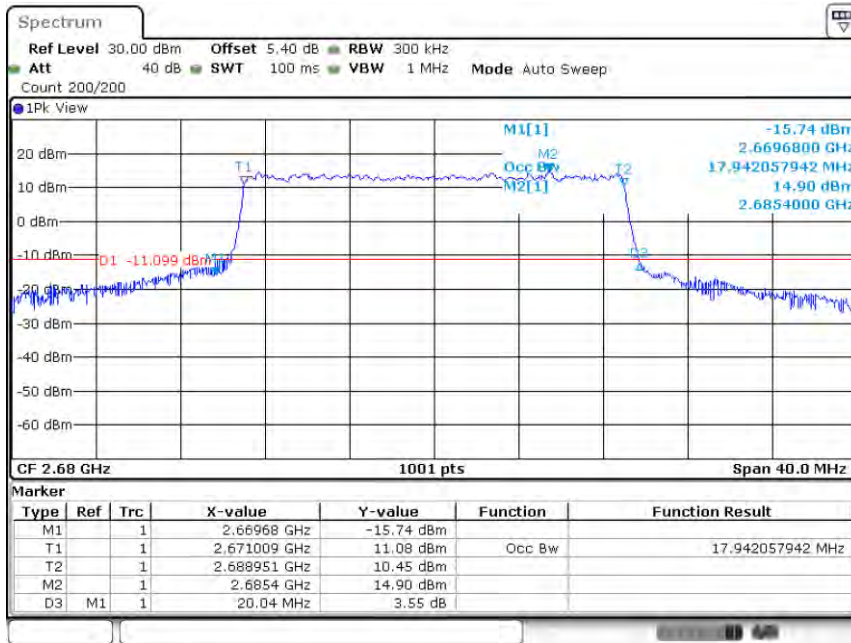


Date: 24 MAY.2021 00:53:56



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



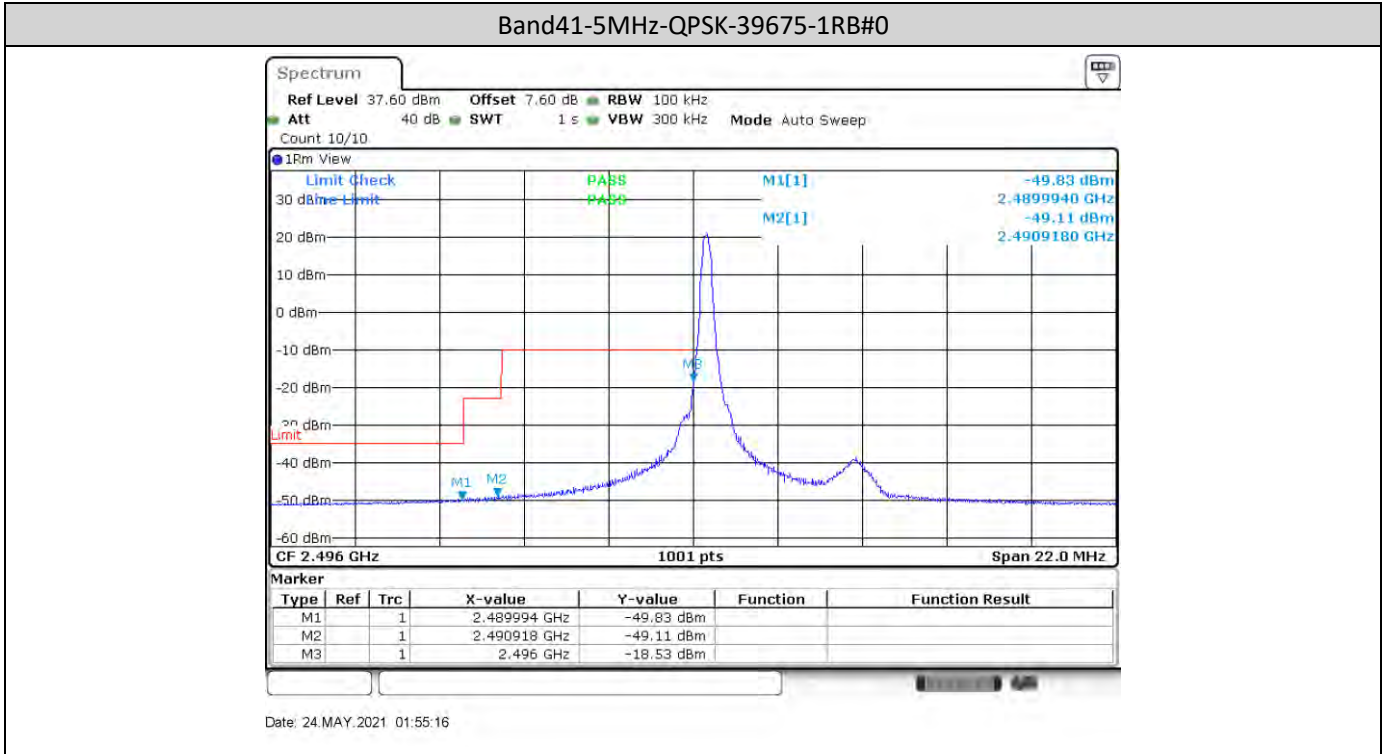
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5. Band Edge Compliance

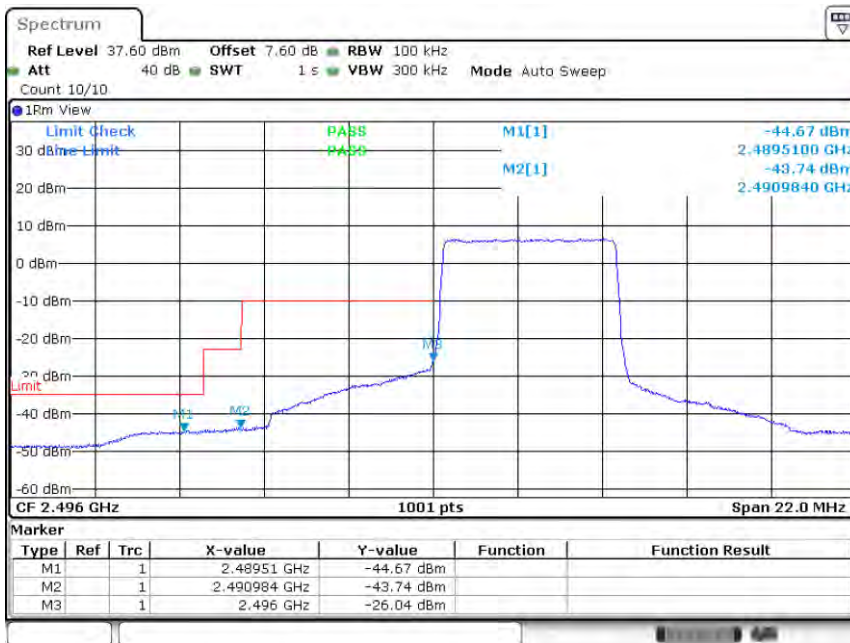
5.1. Test Plots



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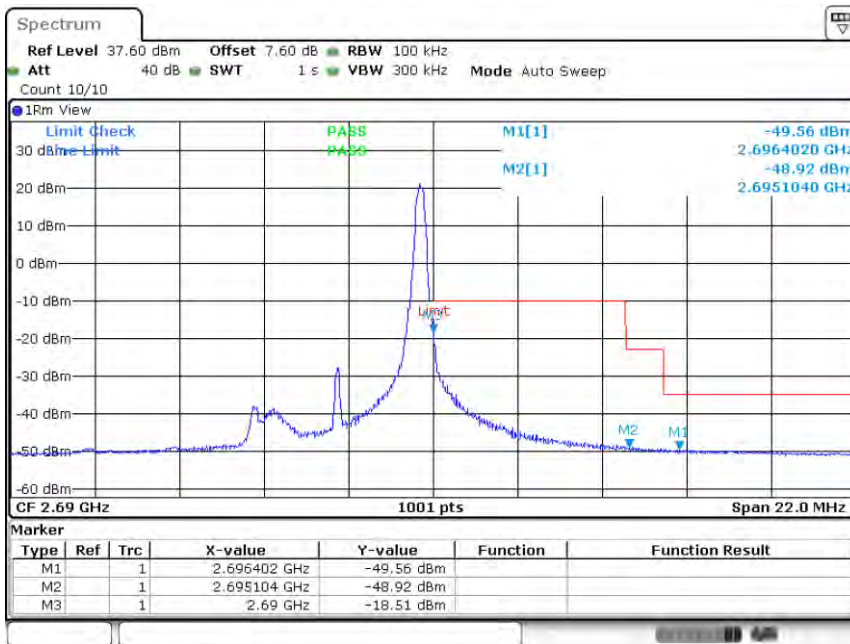
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Band41-5MHz-QPSK-39675-25RB#0



Date: 24 MAY.2021 01:56:52

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

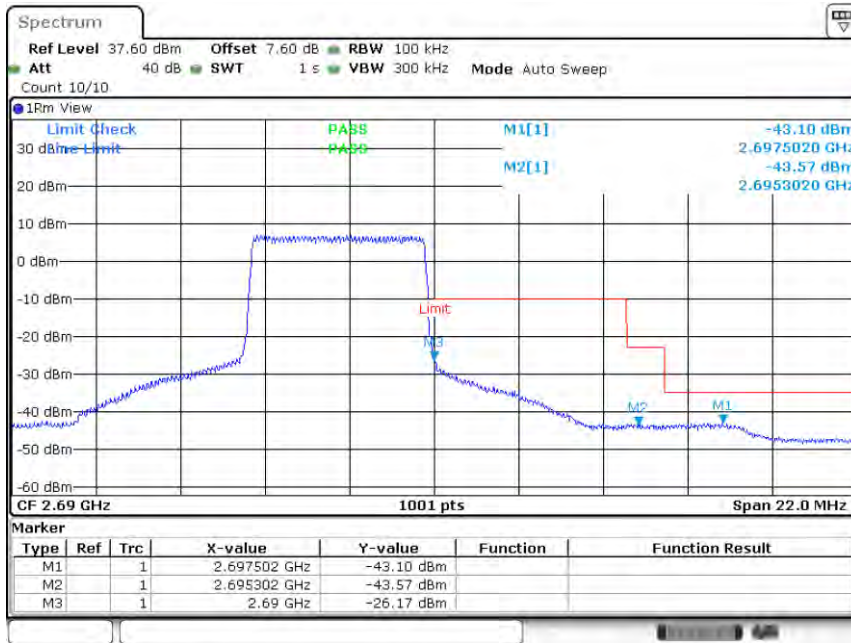


Date: 24 MAY.2021 01:56:04



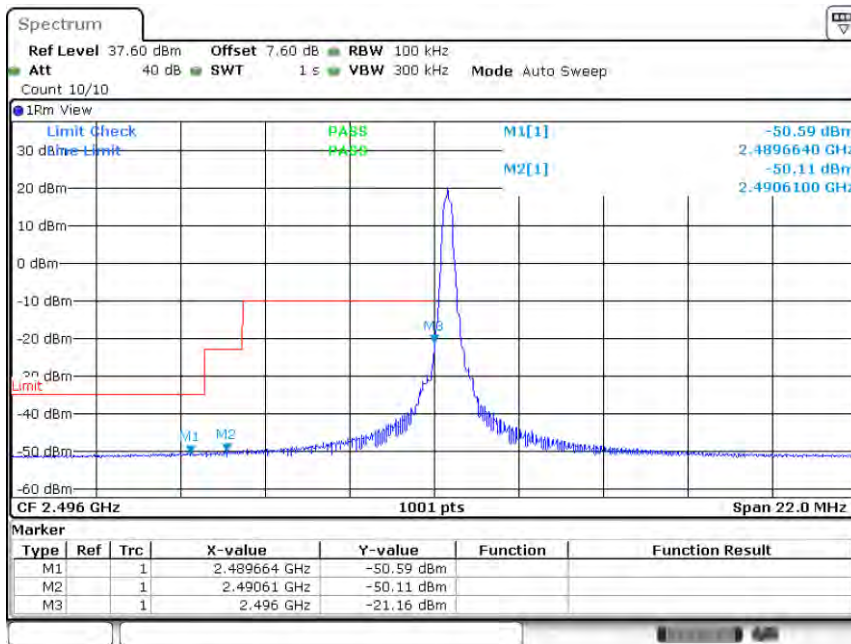
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Band41-5MHz-QPSK-41565-25RB#0



Date: 24 MAY.2021 01:57:35

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



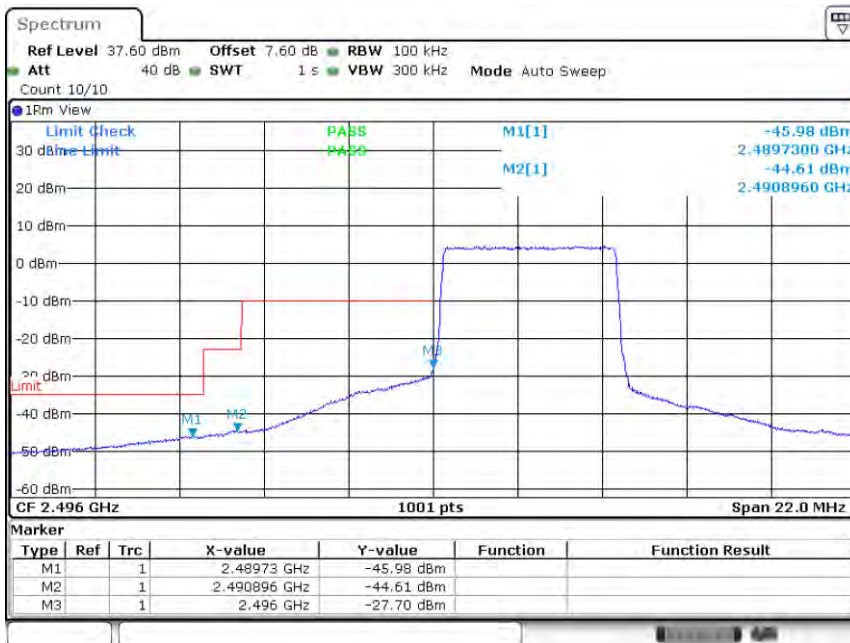
Date: 24 MAY.2021 02:11:20



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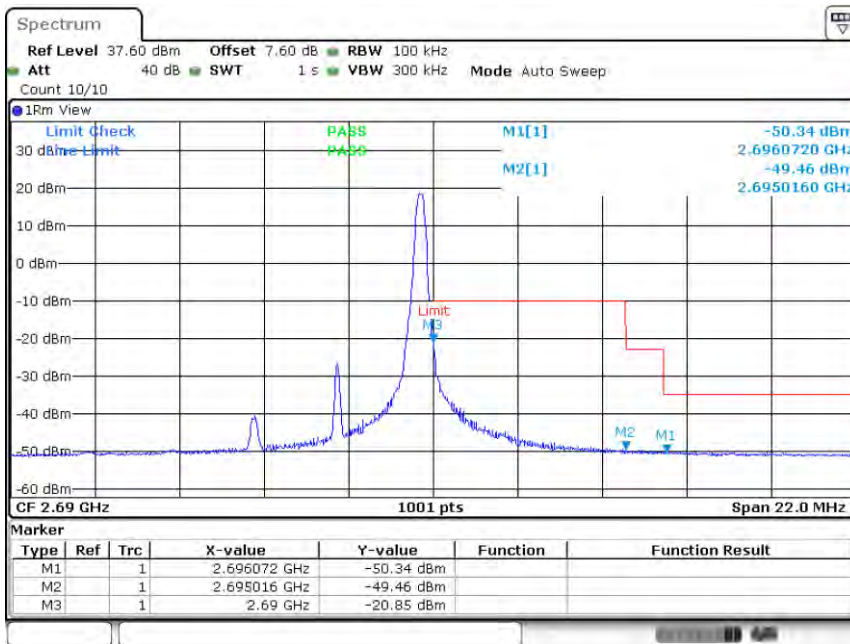


Band41-5MHz-64QAM-39675-25RB#0



Date: 24 MAY.2021 02:12:14

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

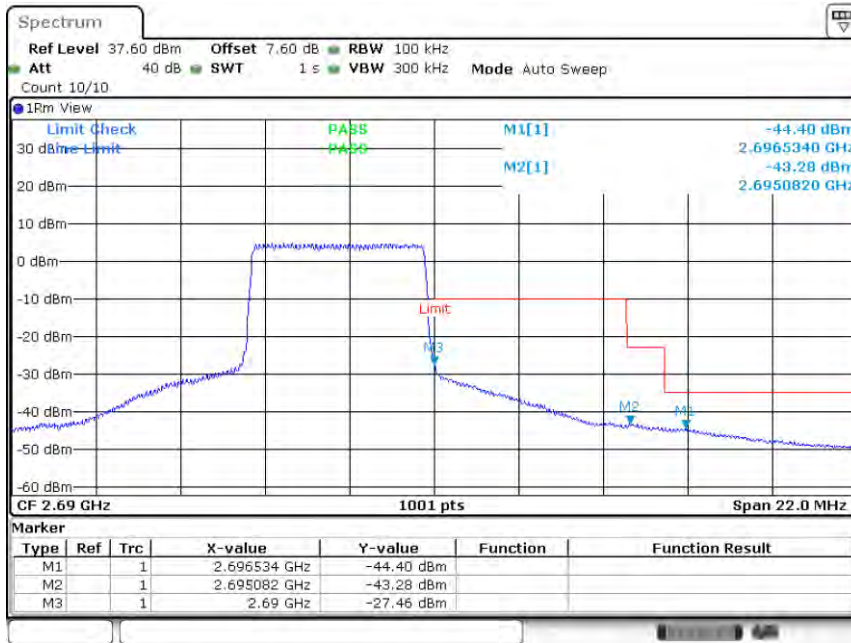


Date: 24 MAY.2021 02:11:47



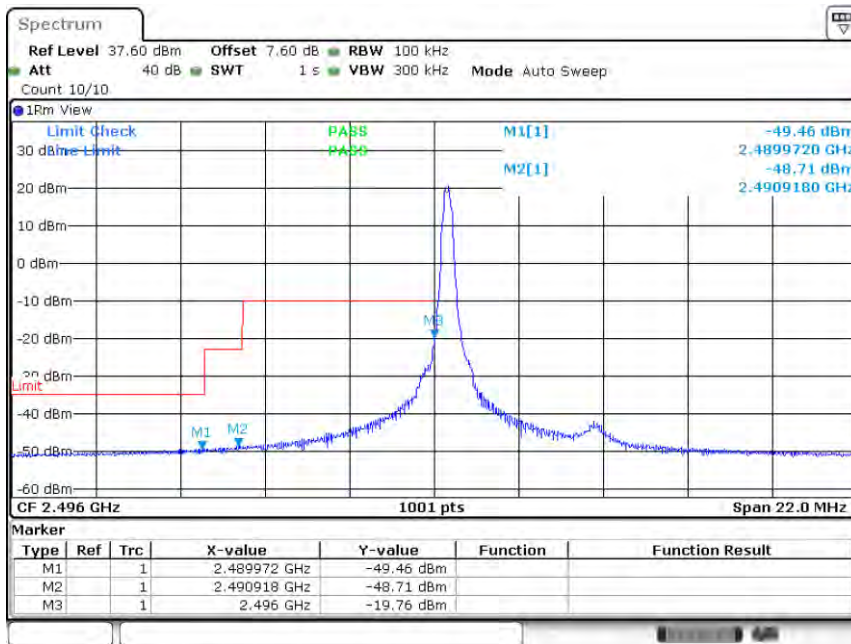
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Band41-5MHz-64QAM-41565-25RB#0



Date: 24 MAY.2021 02:12:36

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



Date: 24 MAY.2021 01:55:38

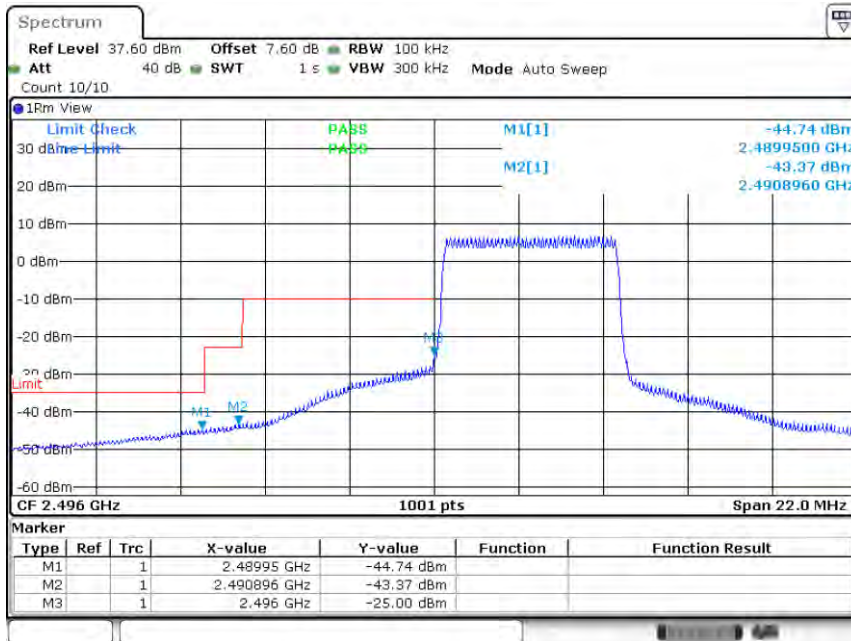


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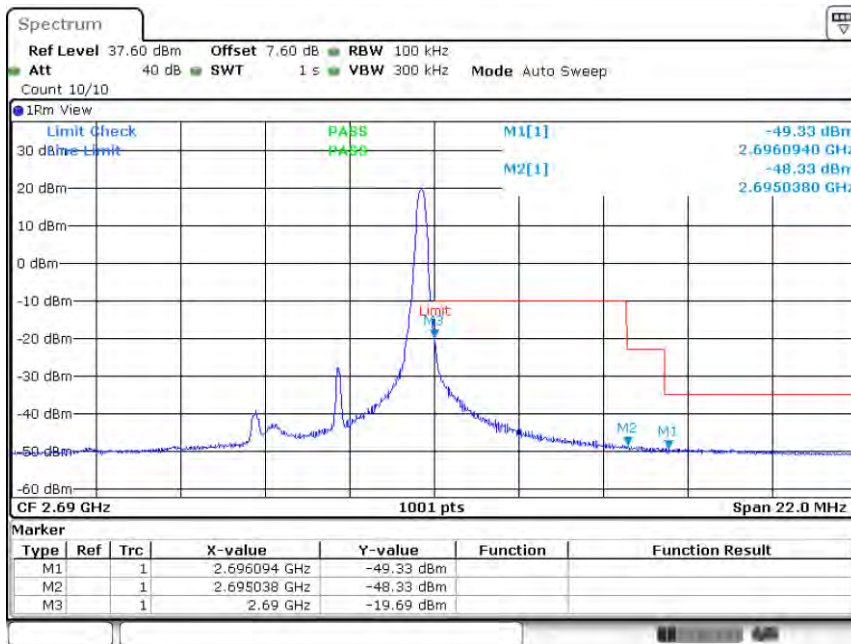
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Band41-5MHz-16QAM-39675-25RB#0



Date: 24 MAY.2021 01:57:13

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



Date: 24 MAY.2021 01:56:25

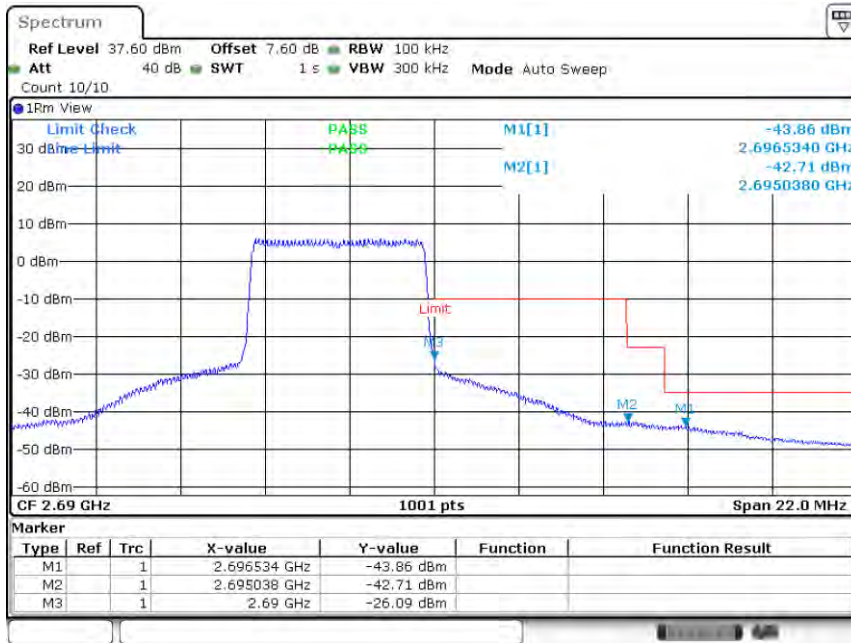


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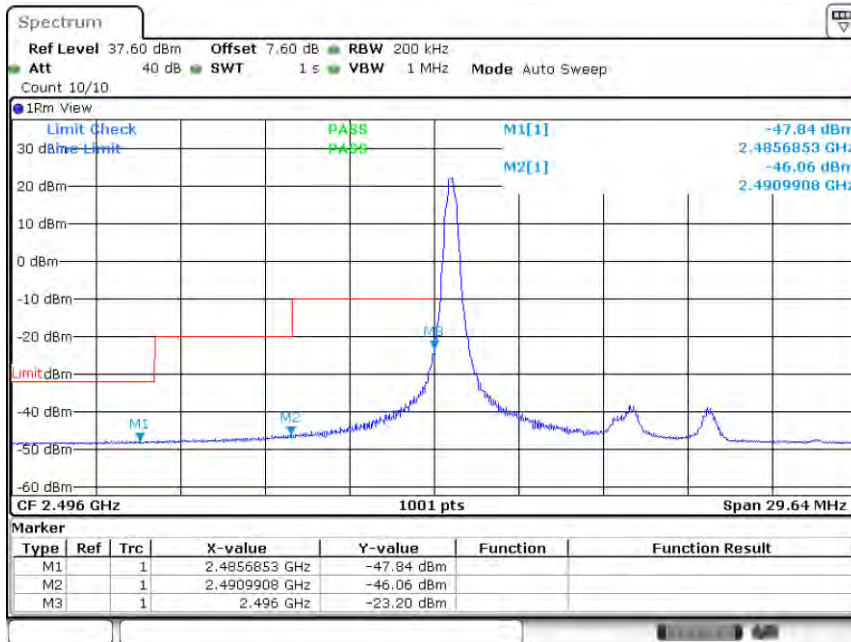
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 24 MAY.2021 01:57:57

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

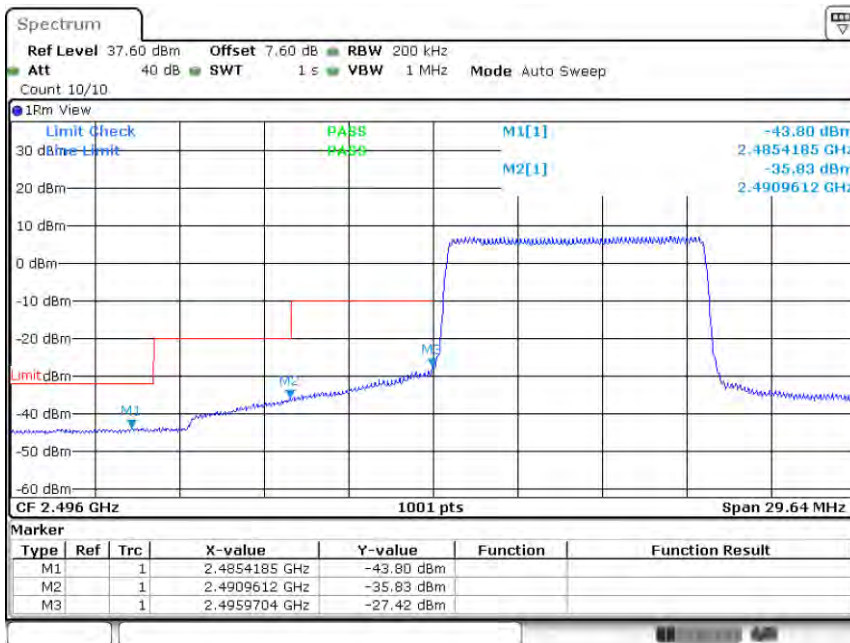


Date: 24 MAY.2021 01:58:24



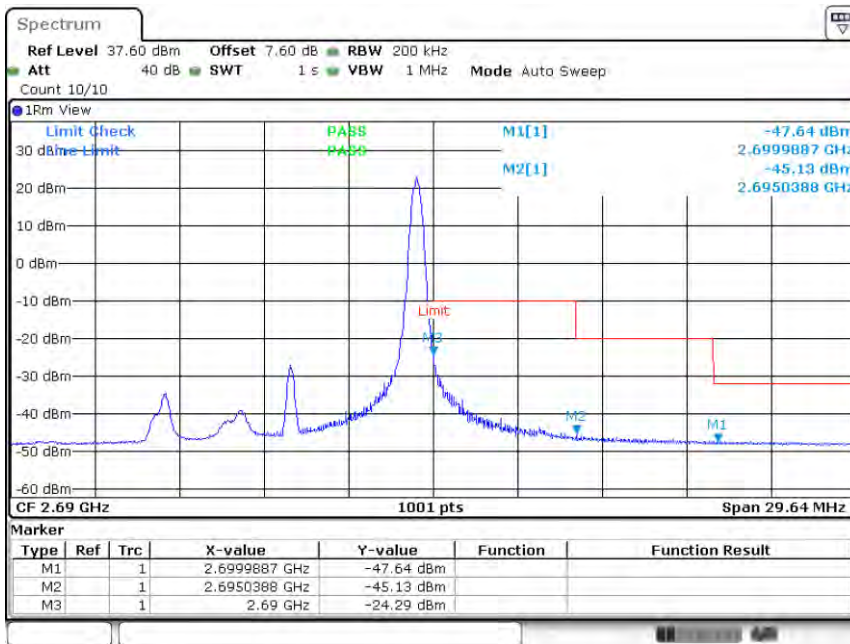
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Band41-10MHz-QPSK-39700-50RB#0



Date: 24 MAY.2021 01:59:59

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



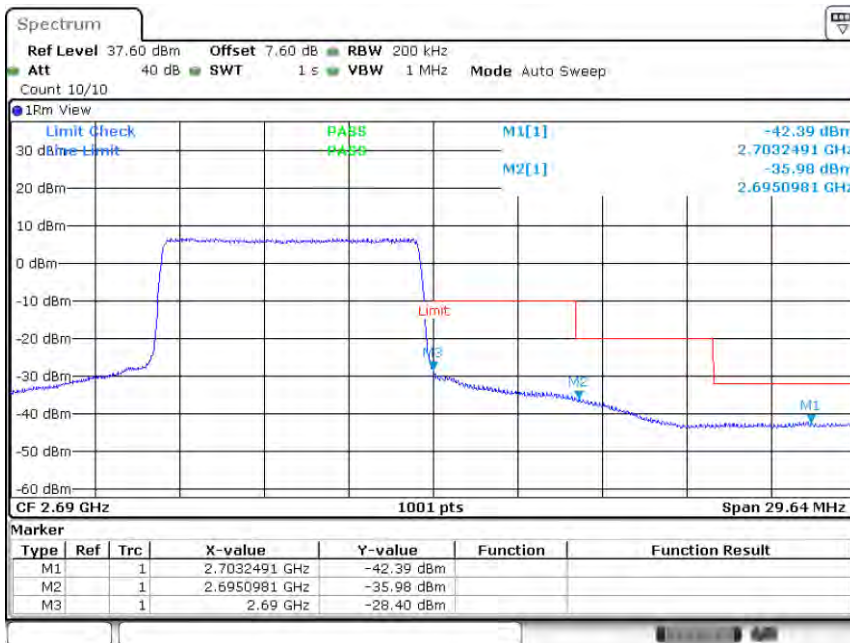
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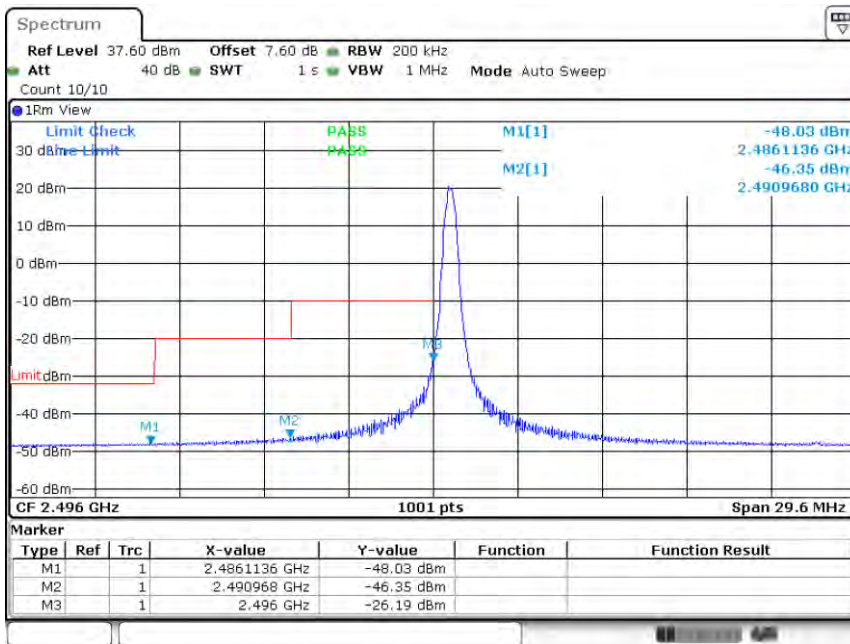
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Band41-10MHz-QPSK-41540-50RB#0



Date: 24 MAY.2021 02:00:42

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



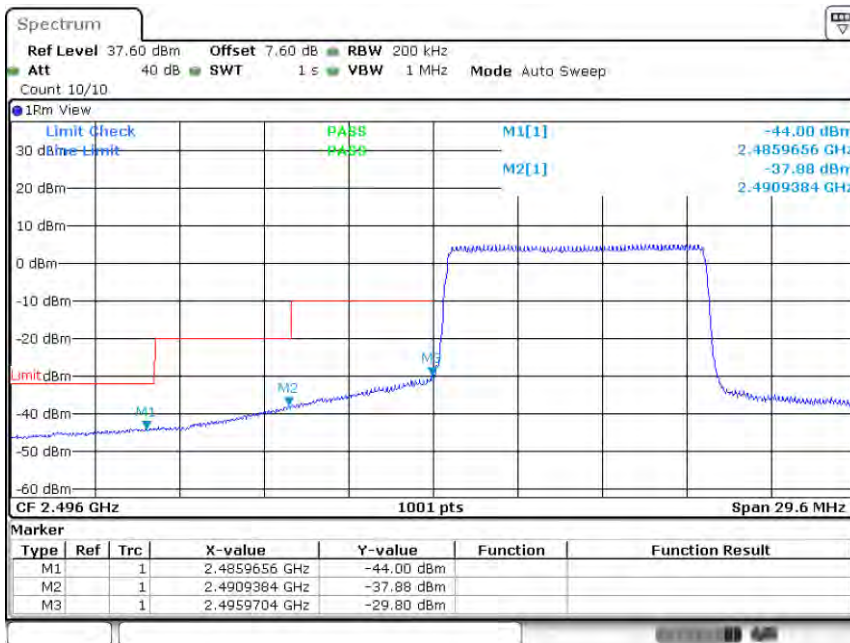
Date: 24 MAY.2021 02:13:04



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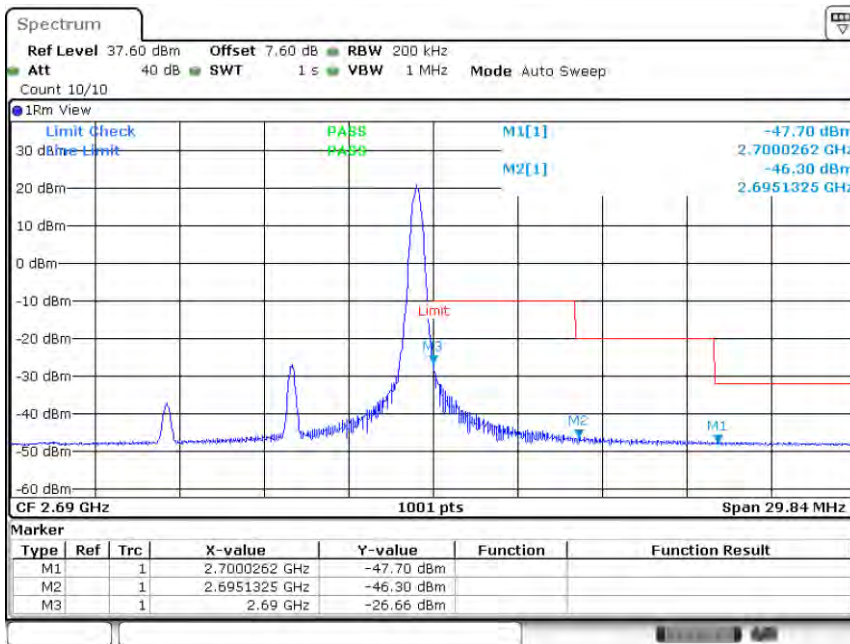


Band41-10MHz-64QAM-39700-50RB#0



Date: 24 MAY.2021 02:13:58

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

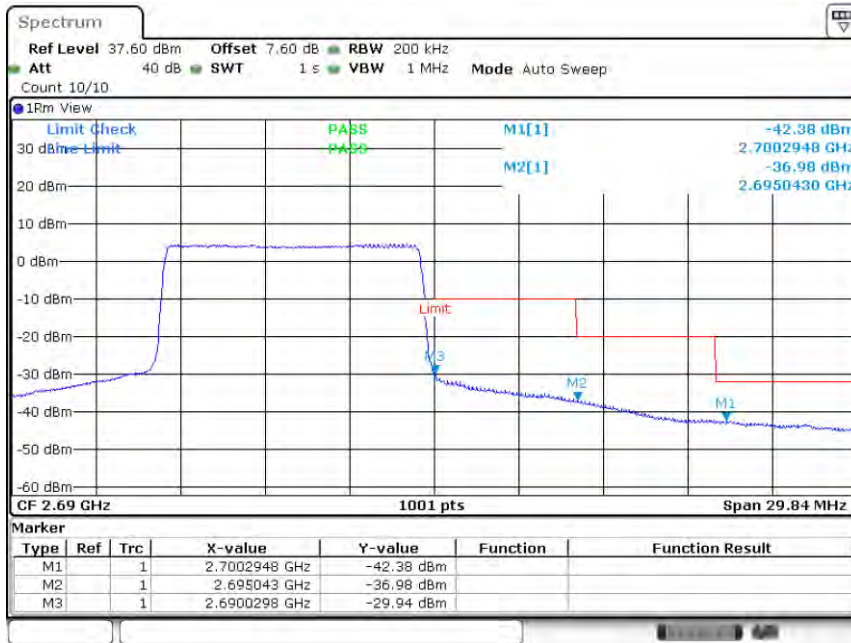


Date: 24 MAY.2021 02:13:31



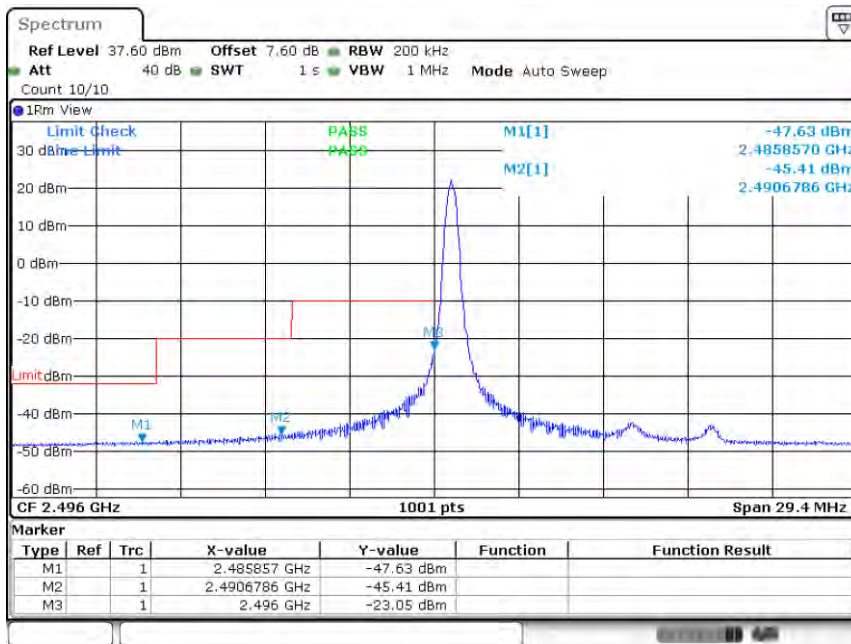
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Band41-10MHz-64QAM-41540-50RB#0



Date: 24 MAY.2021 02:14:20

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

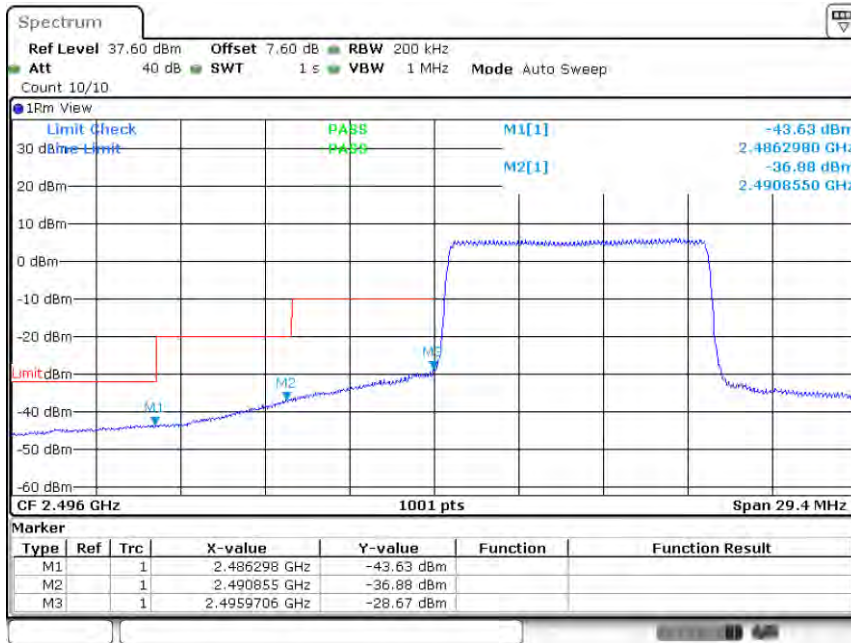


Date: 24 MAY.2021 01:58:45



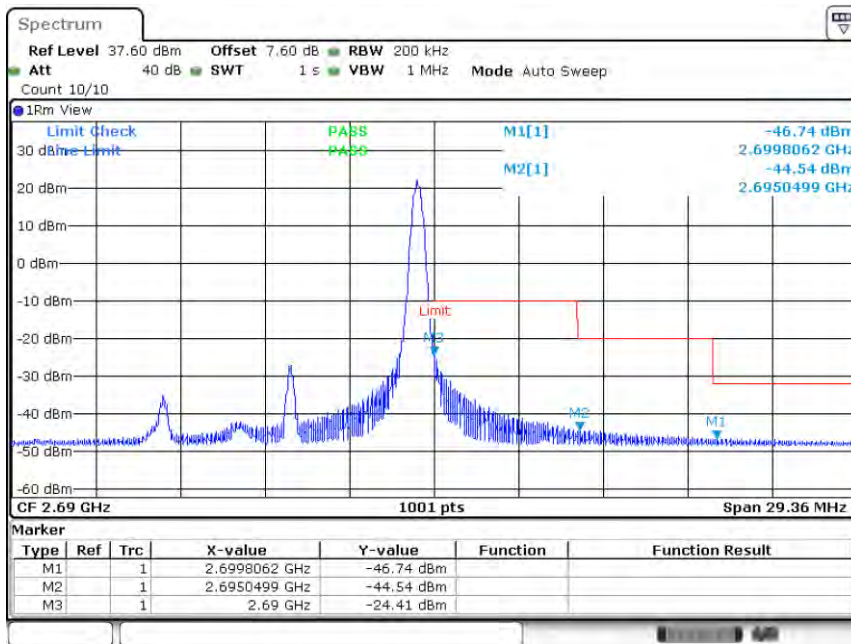
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Band41-10MHz-16QAM-39700-50RB#0



Date: 24 MAY.2021 02:00:20

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

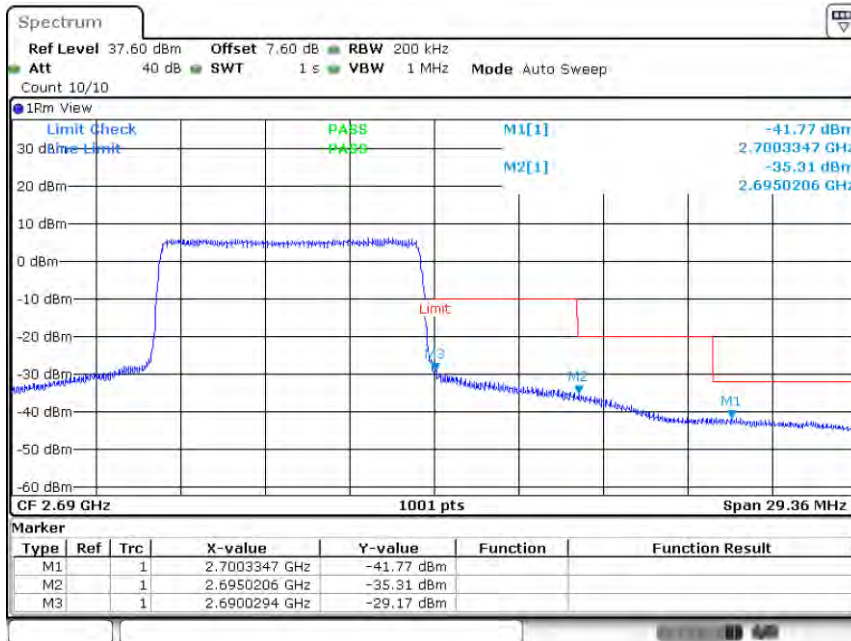


Date: 24 MAY.2021 01:59:33



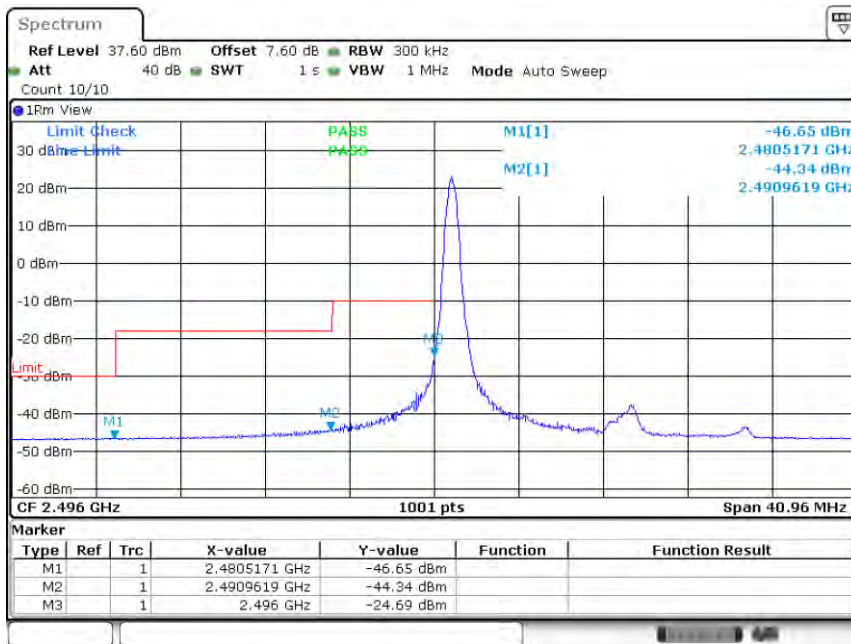
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Band41-10MHz-16QAM-41540-50RB#0



Date: 24 MAY.2021 02:01:04

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

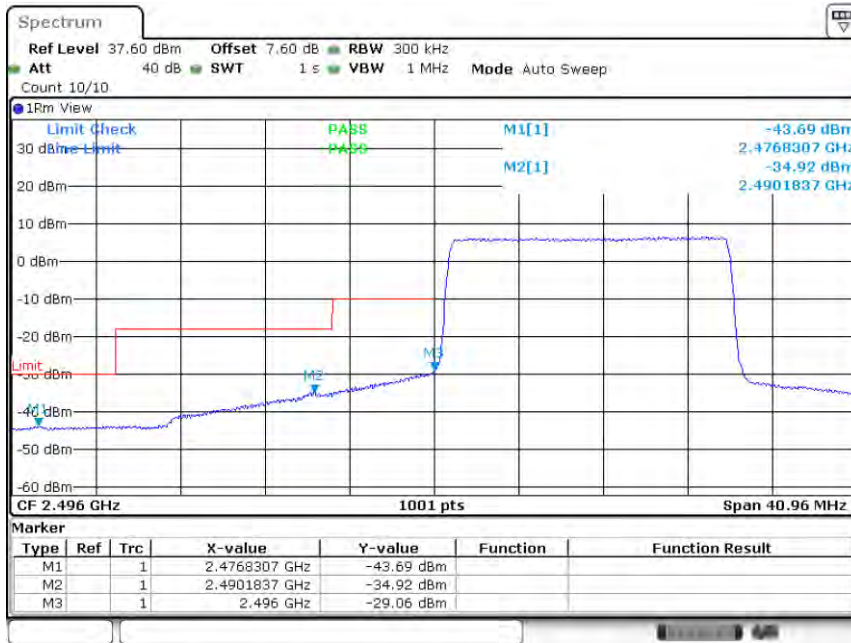


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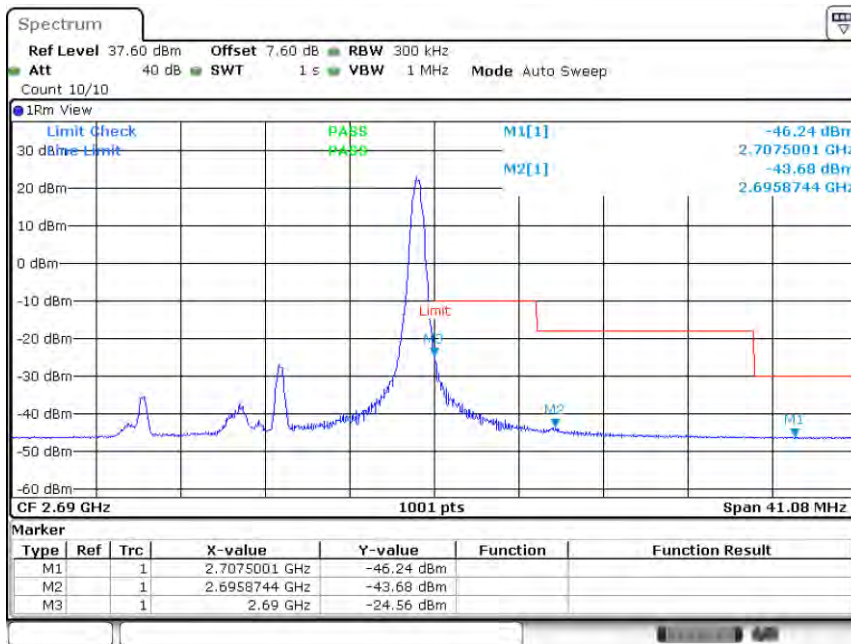
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Band41-15MHz-QPSK-39725-75RB#0



Date: 24 MAY.2021 02:03:06

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



Date: 24 MAY.2021 02:02:19

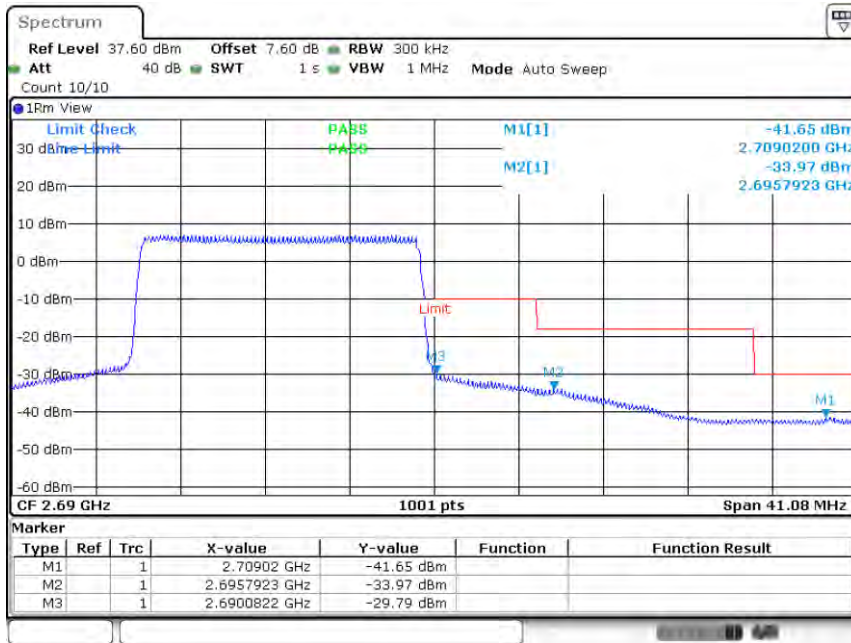


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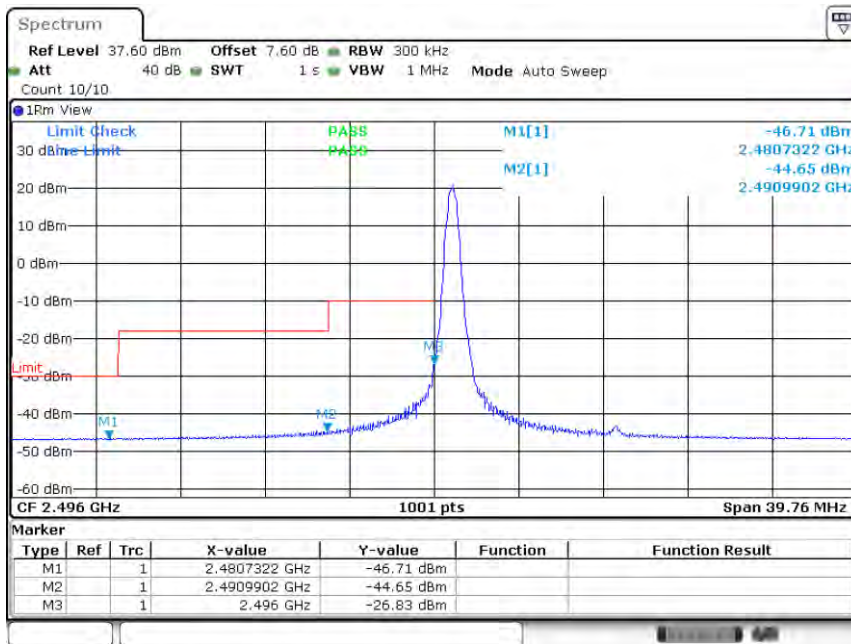
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Band41-15MHz-QPSK-41515-75RB#0



Date: 24 MAY.2021 02:03:49

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



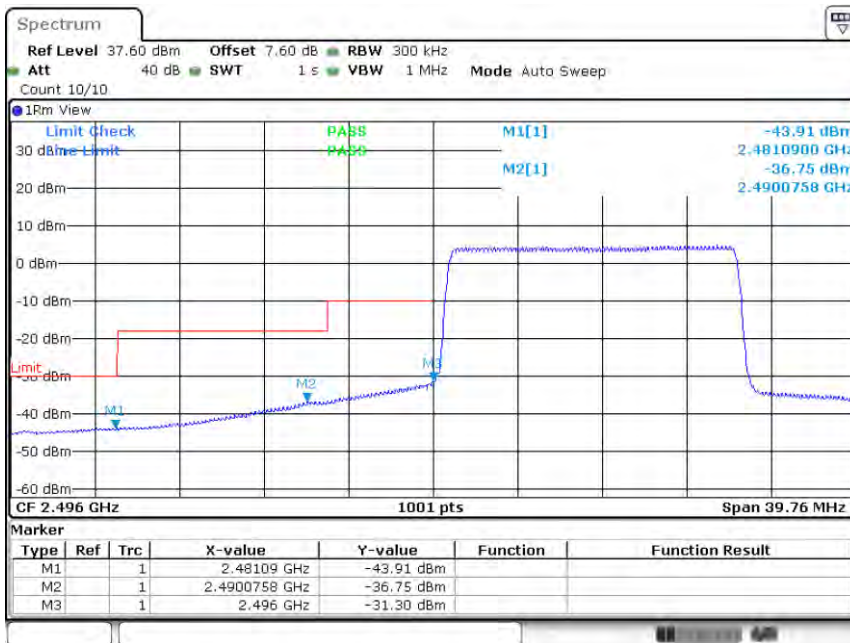
Date: 24 MAY.2021 02:14:48



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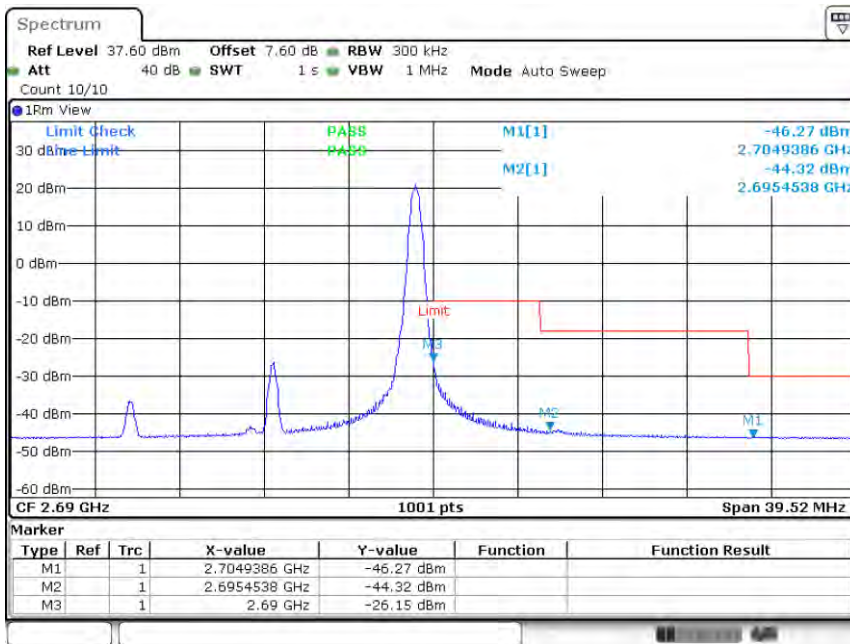


Band41-15MHz-64QAM-39725-75RB#0



Date: 24 MAY.2021 02:15:42

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

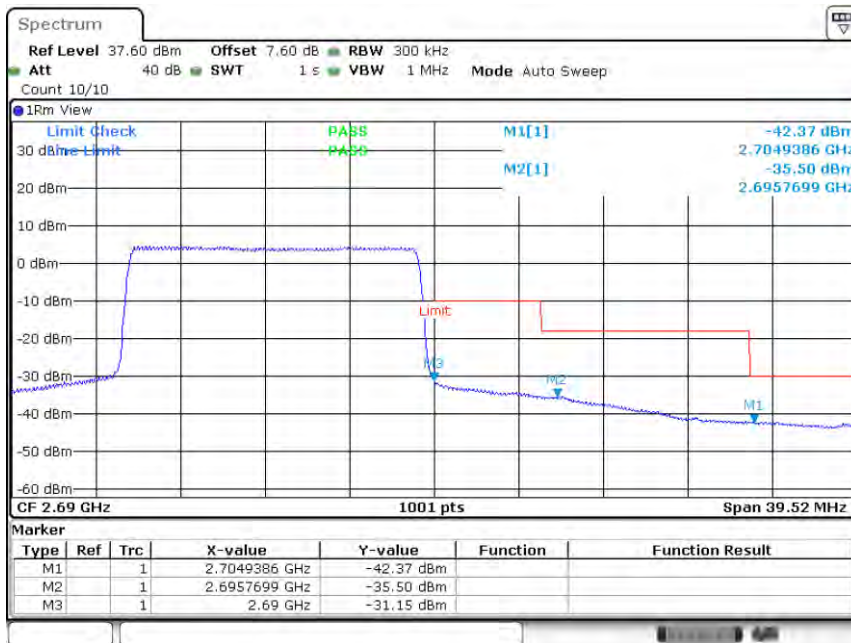


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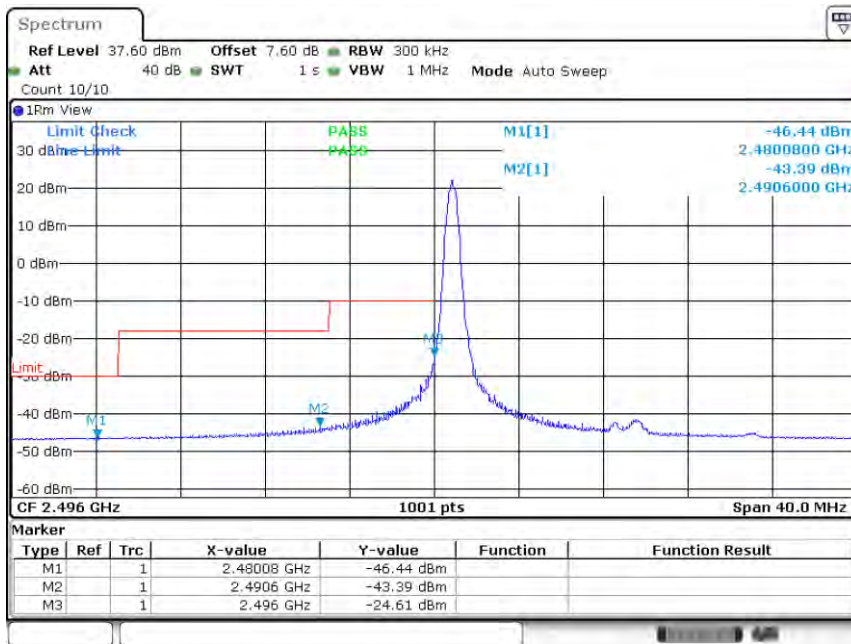
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Band41-15MHz-64QAM-41515-75RB#0



Date: 24 MAY.2021 02:16:04

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



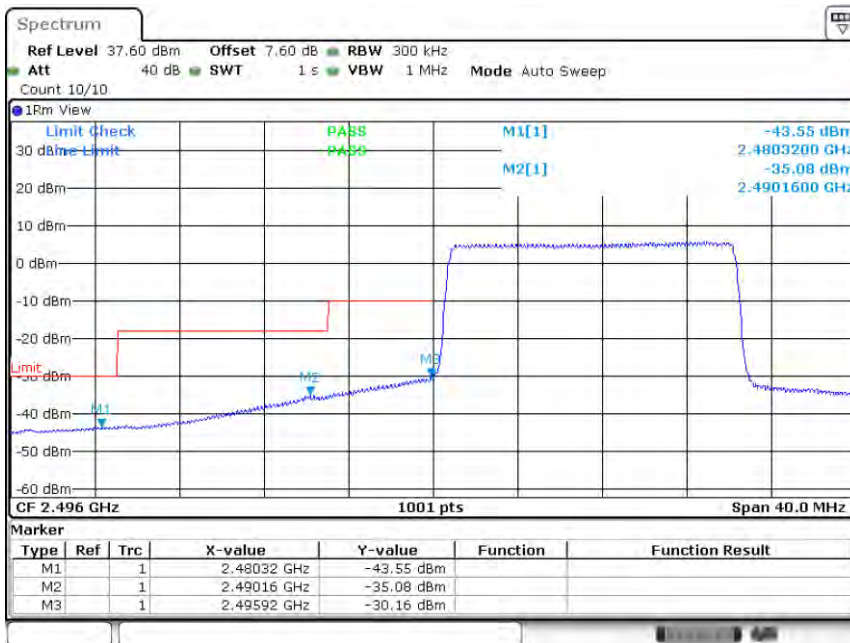
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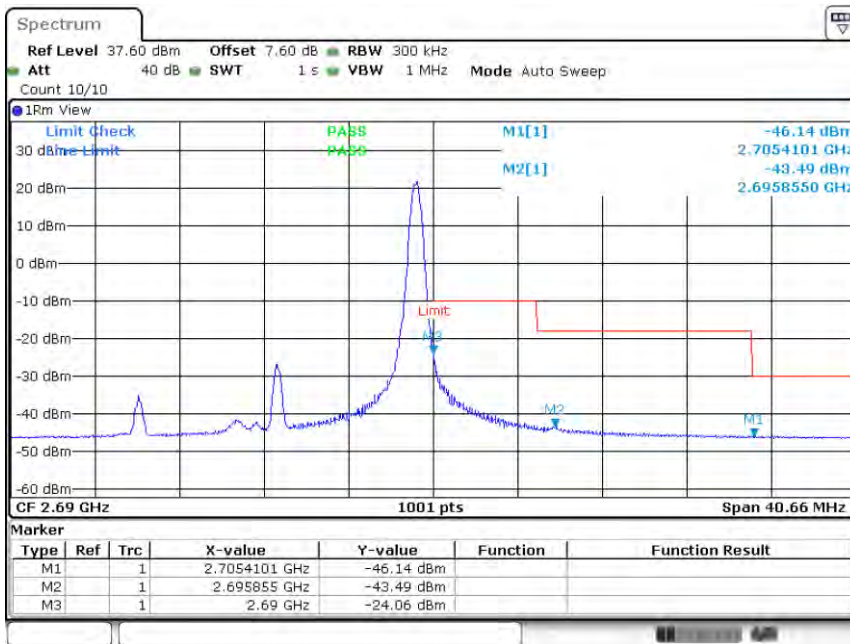


Band41-15MHz-16QAM-39725-75RB#0



Date: 24 MAY.2021 02:03:28

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

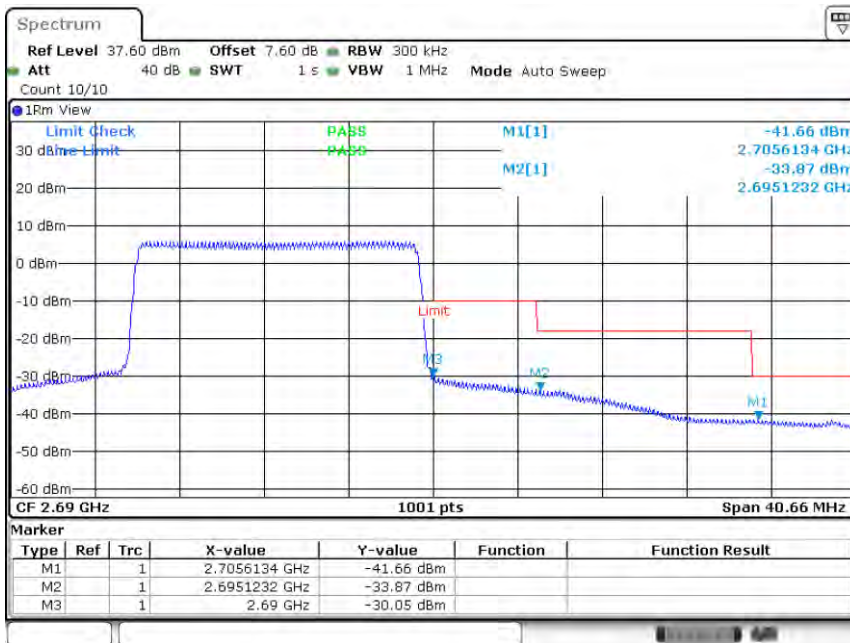


Date: 24 MAY.2021 02:02:40



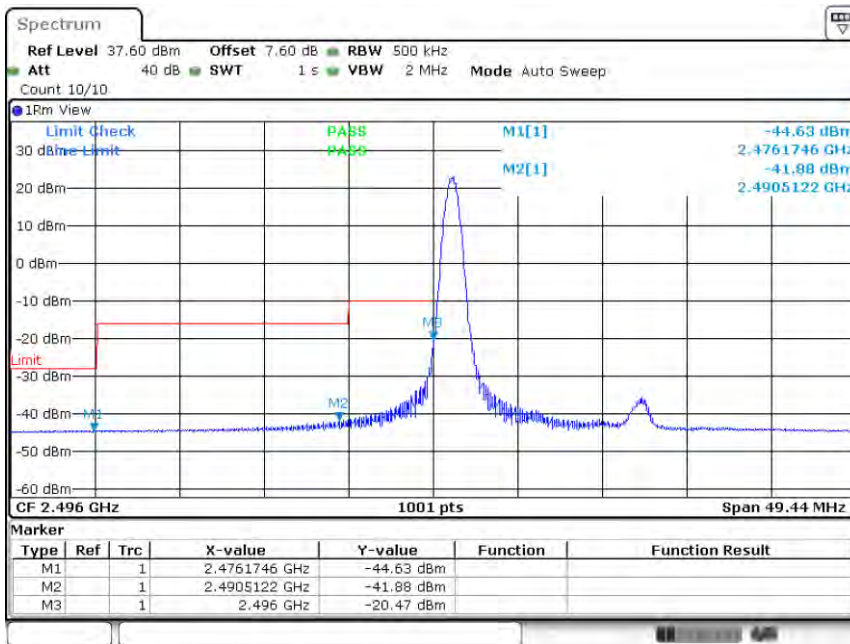
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Band41-15MHz-16QAM-41515-75RB#0



Date: 24 MAY.2021 02:04:11

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

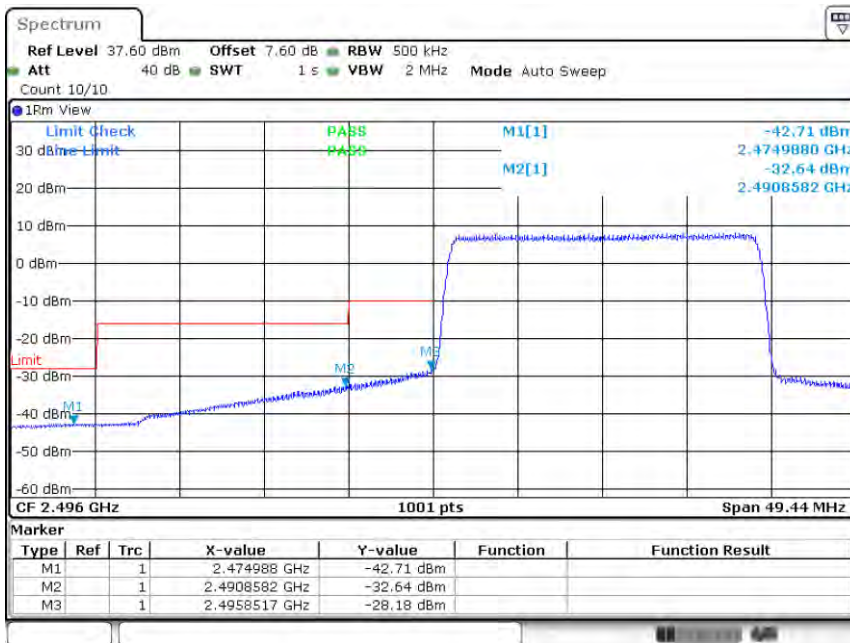


Date: 24 MAY.2021 02:04:39



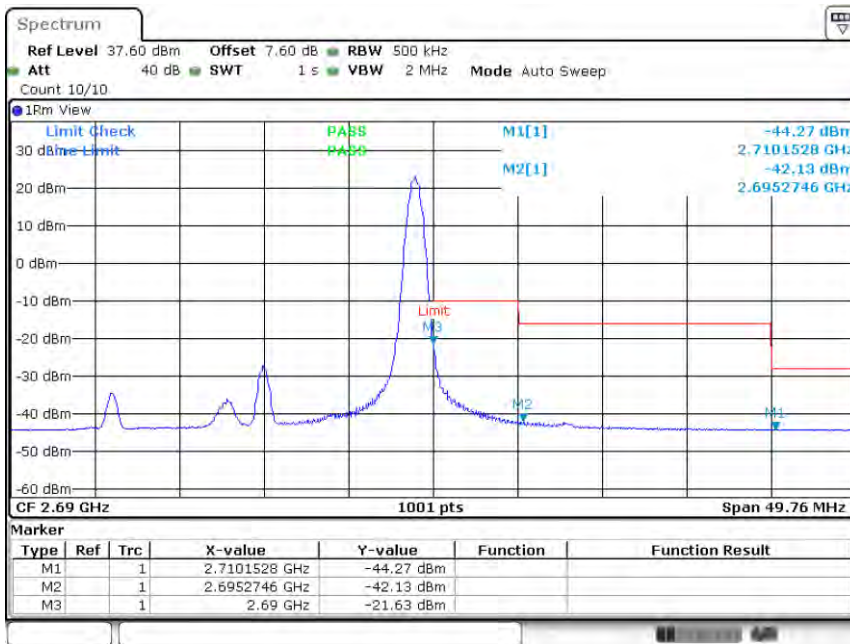
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Band41-20MHz-QPSK-39750-100RB#0



Date: 24 MAY.2021 02:06:13

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



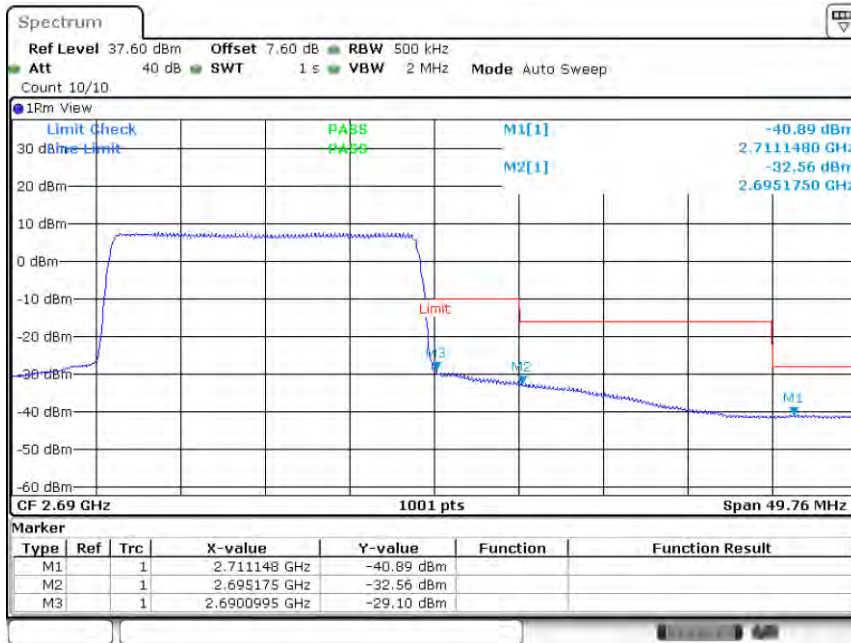
Date: 24 MAY.2021 02:05:26



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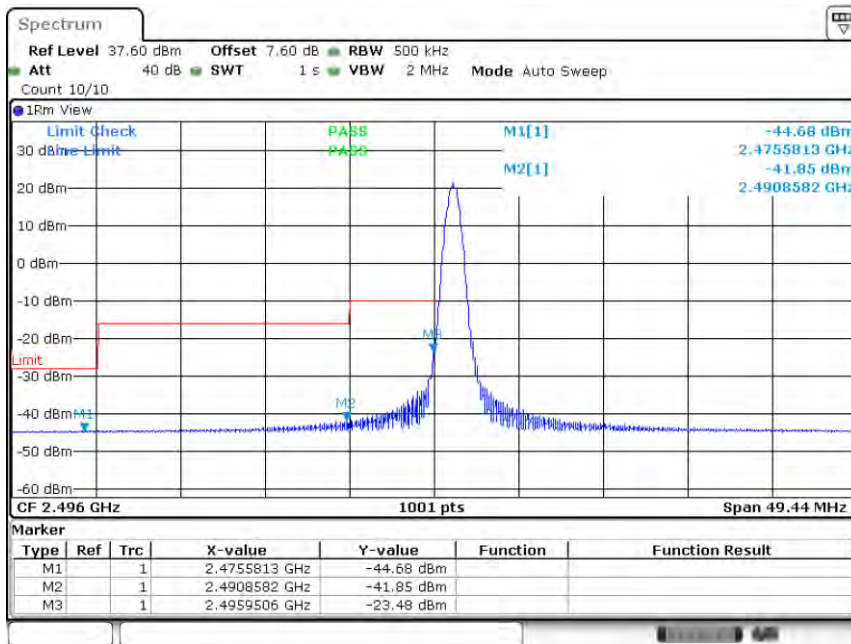


Band41-20MHz-QPSK-41490-100RB#0



Date: 24 MAY.2021 02:06:57

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

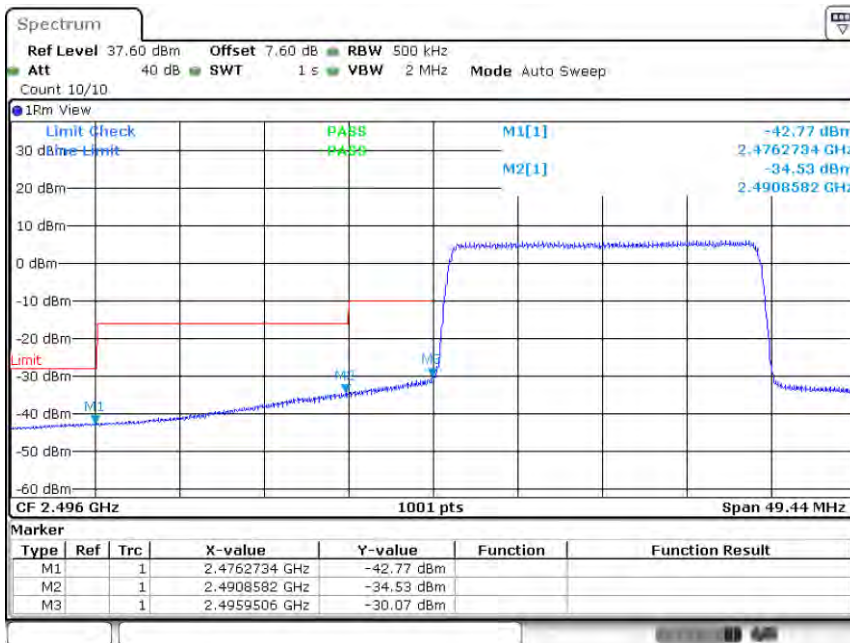


Date: 24 MAY.2021 02:16:32



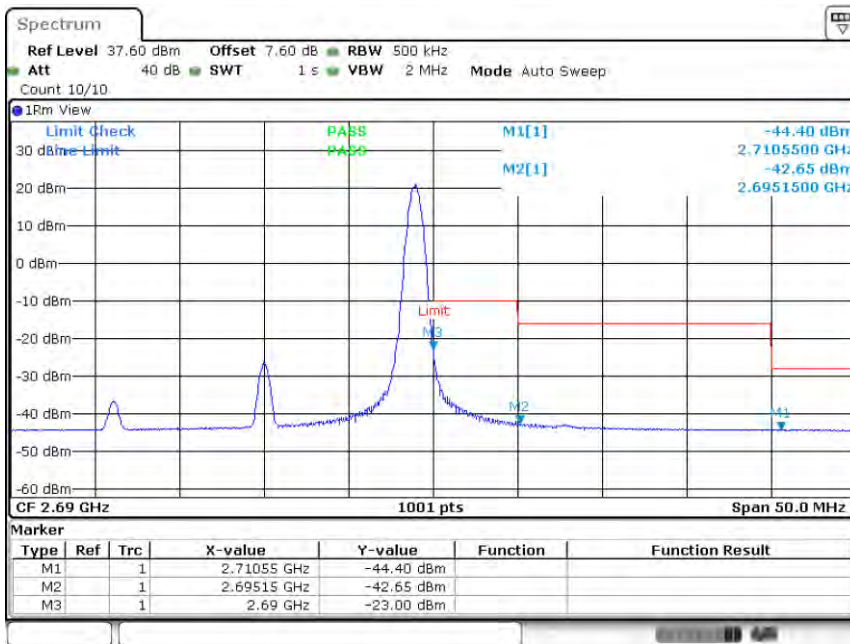
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Band41-20MHz-64QAM-39750-100RB#0



Date: 24 MAY.2021 02:17:26

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

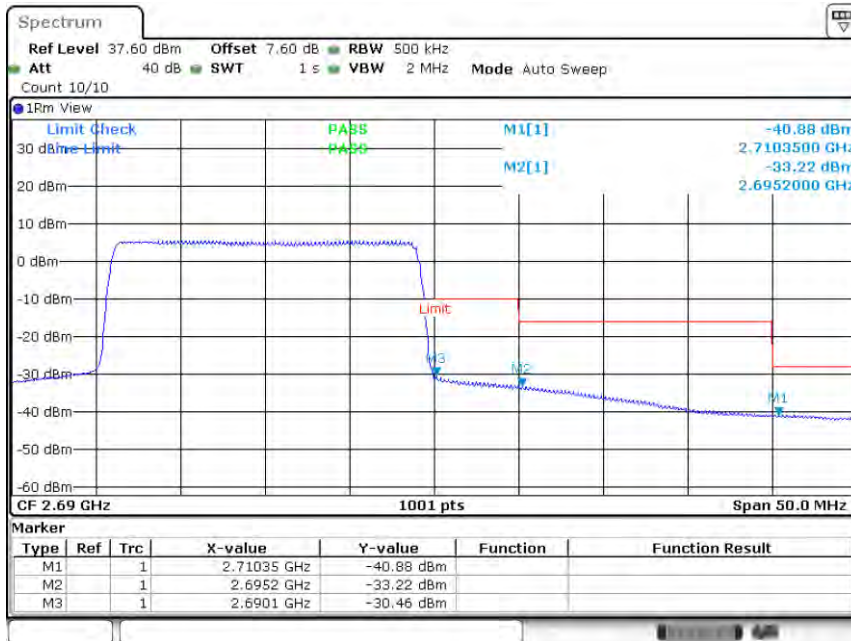


Date: 24 MAY.2021 02:16:59



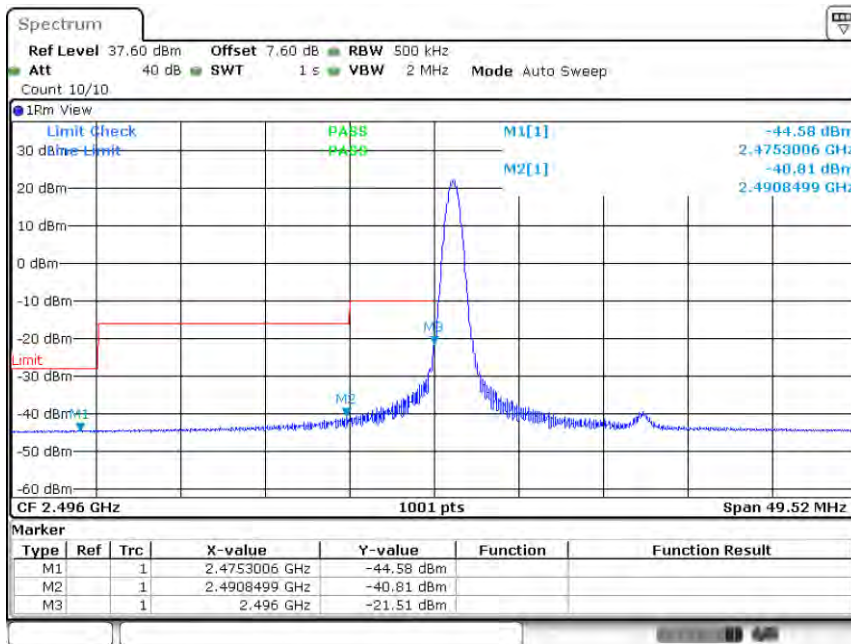
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Band41-20MHz-64QAM-41490-100RB#0



Date: 24 MAY.2021 02:17:48

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

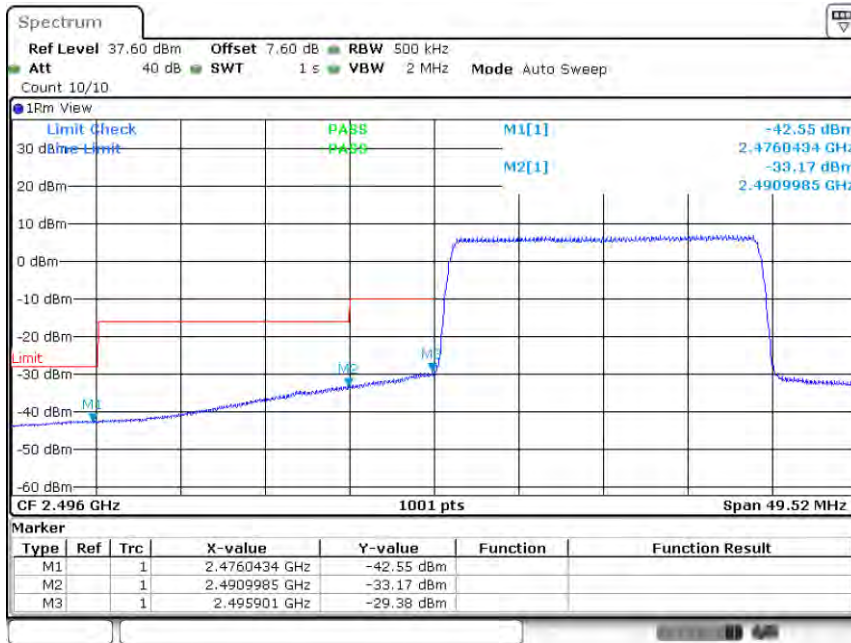


Date: 24 MAY.2021 02:05:00



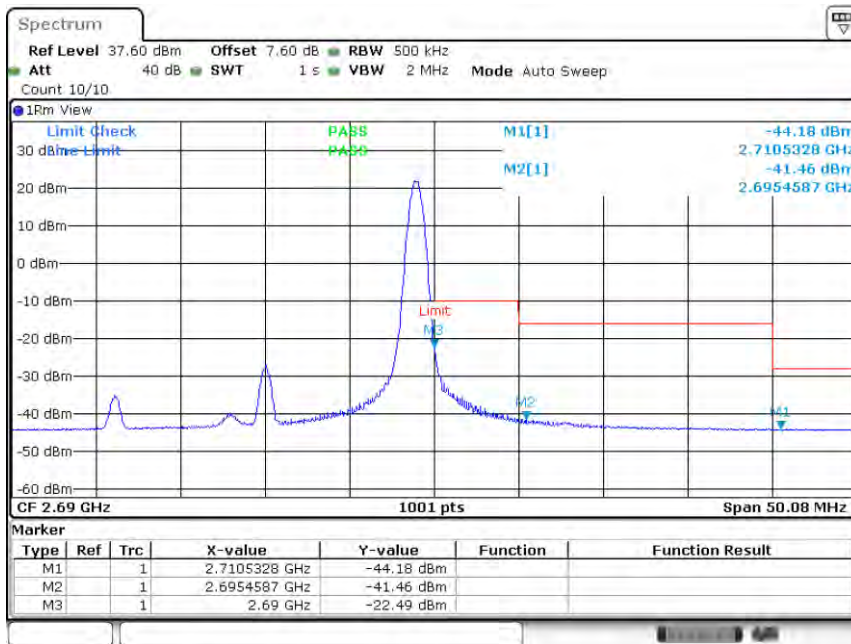
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Band41-20MHz-16QAM-39750-100RB#0



Date: 24 MAY.2021 02:06:35

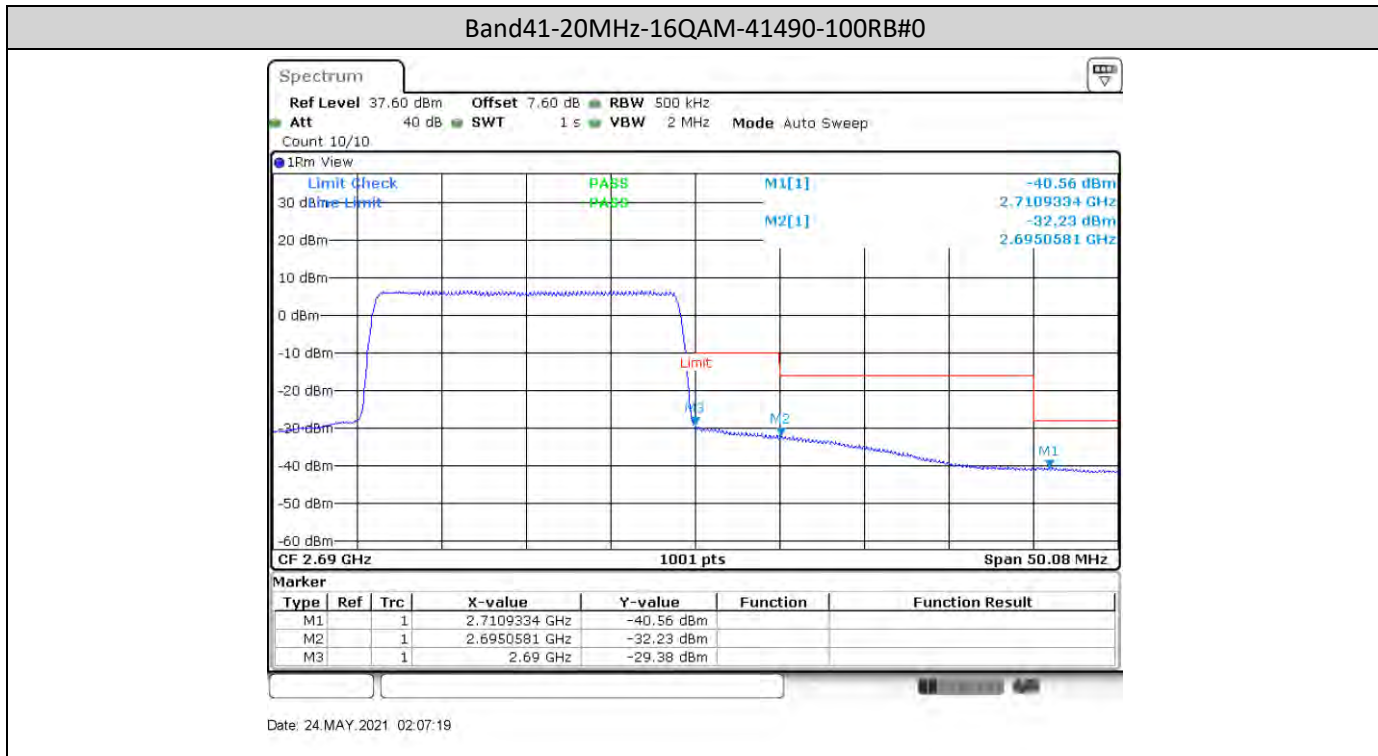
Band41-20MHz-16QAM-41490-1RB#99



Date: 24 MAY.2021 02:05:48



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



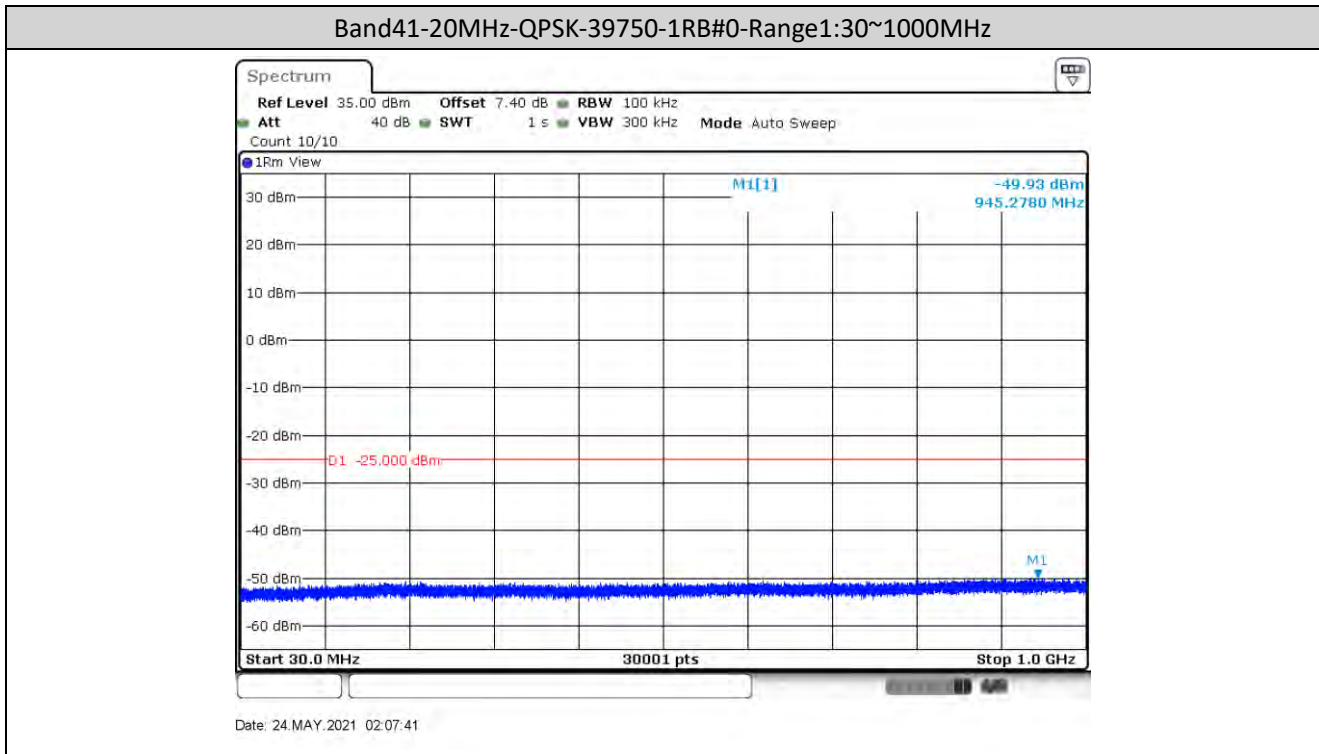
6. Spurious Emission at Antenna Terminal

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.

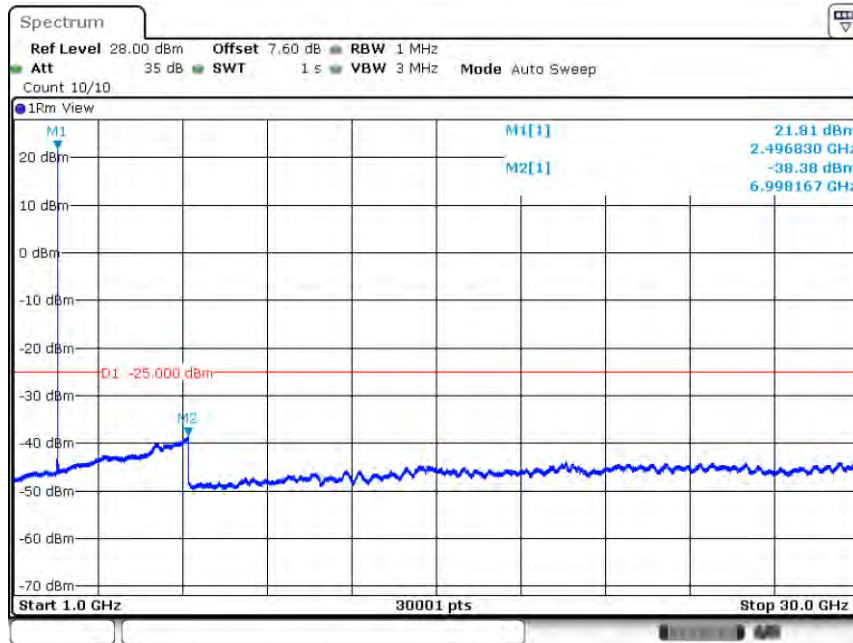
6.1. Test Plots



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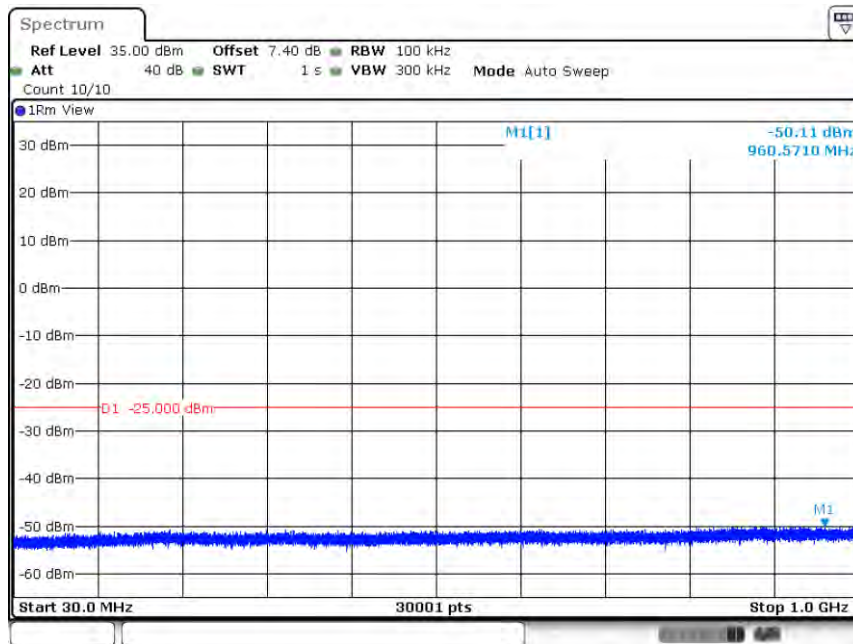
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Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:07:58

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

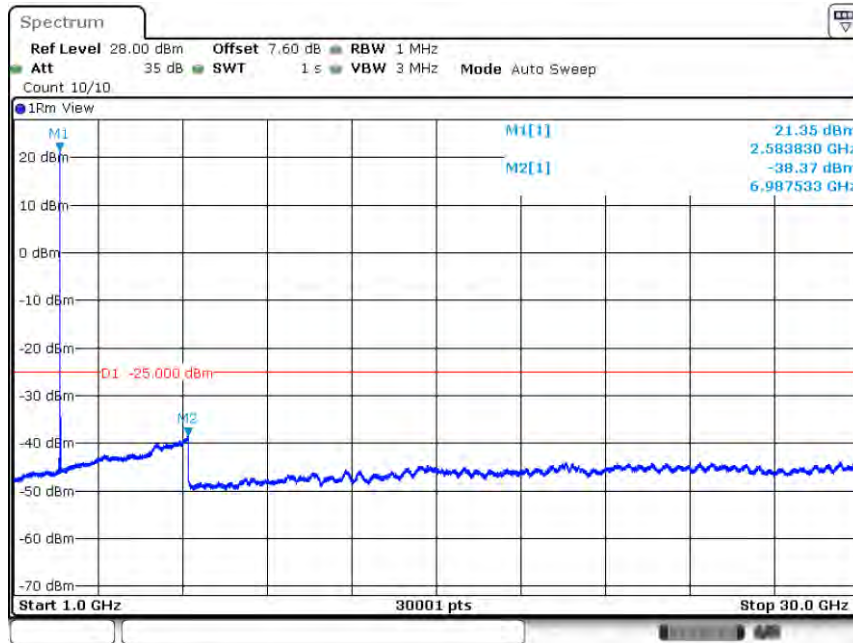


Date: 24 MAY.2021 02:08:52



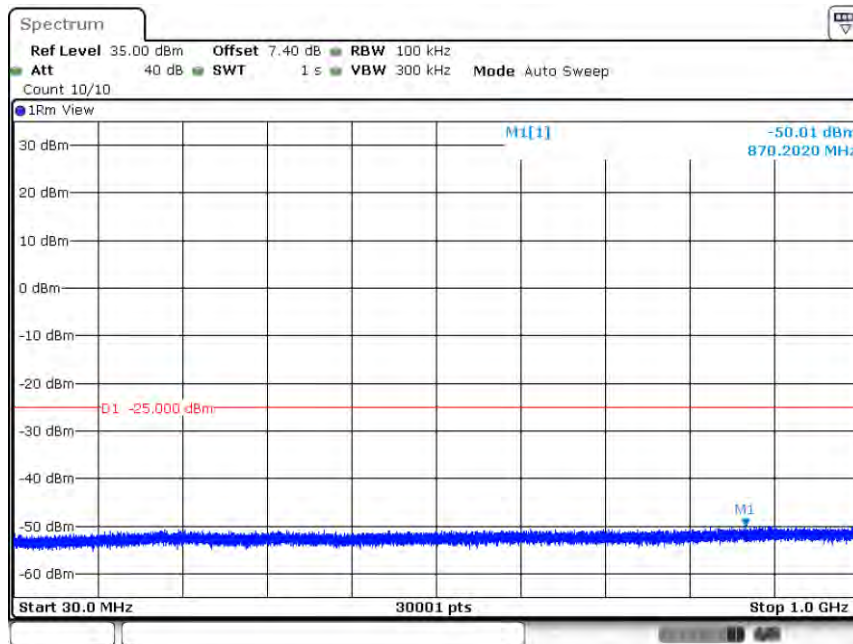
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Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:09:08

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



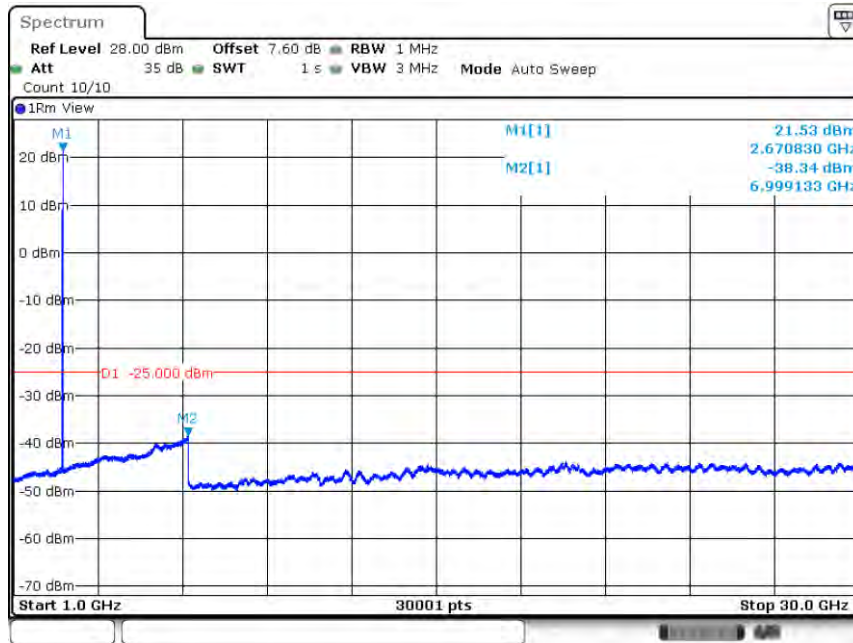
Date: 24 MAY.2021 02:10:02



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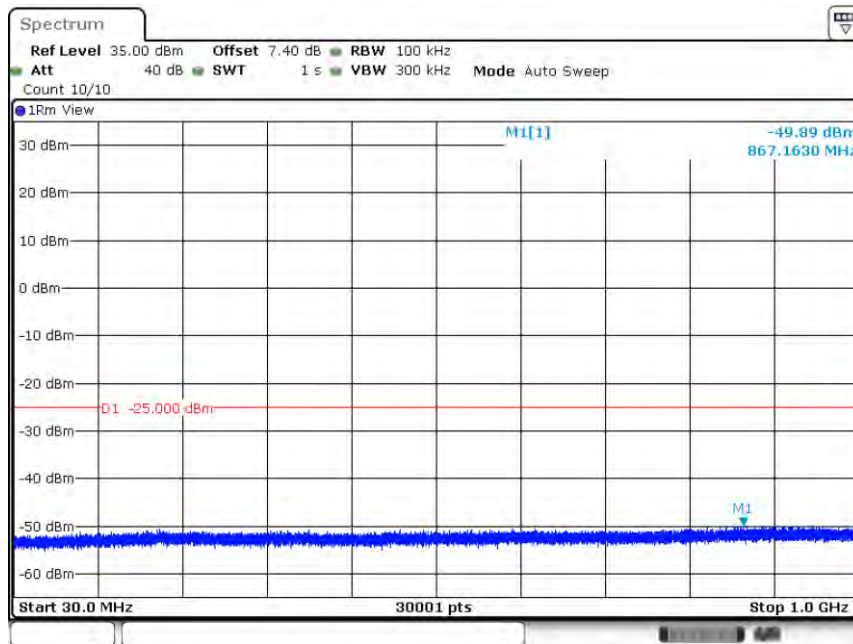
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Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:10:18

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

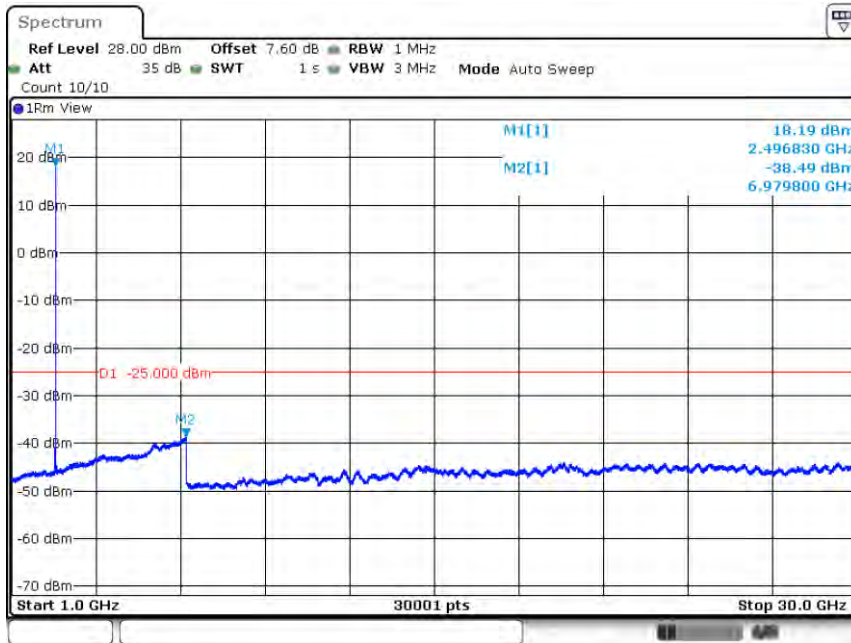


Date: 24 MAY.2021 02:18:12



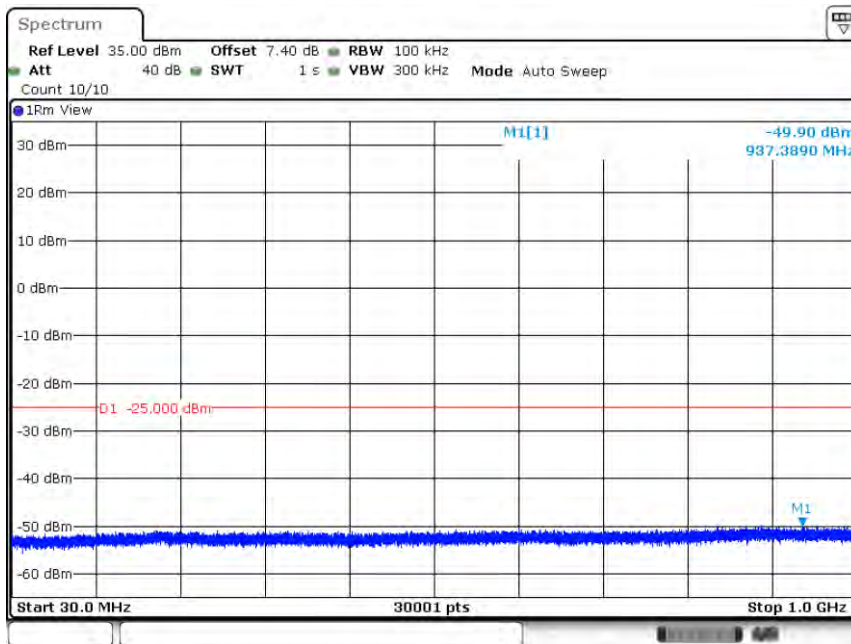
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Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:18:28

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



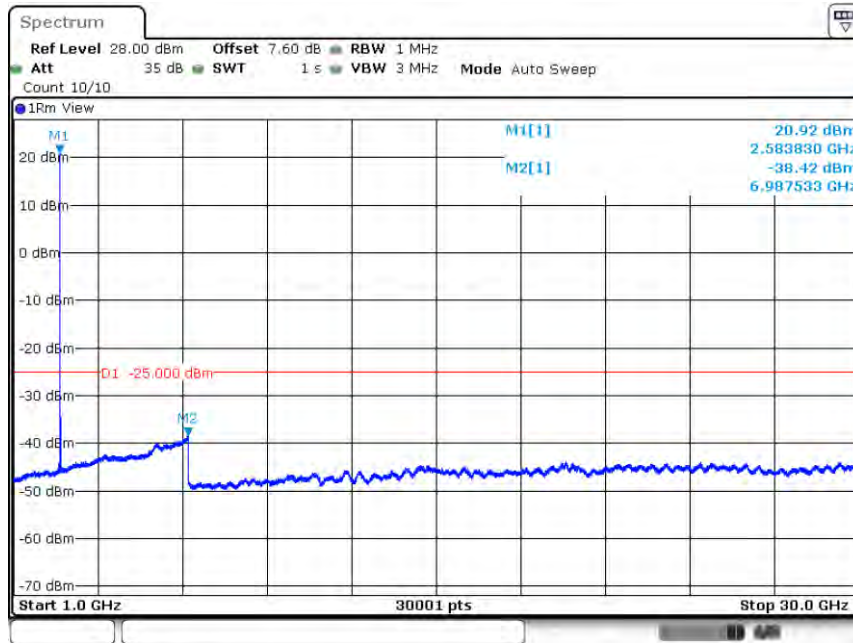
Date: 24 MAY.2021 02:18:47



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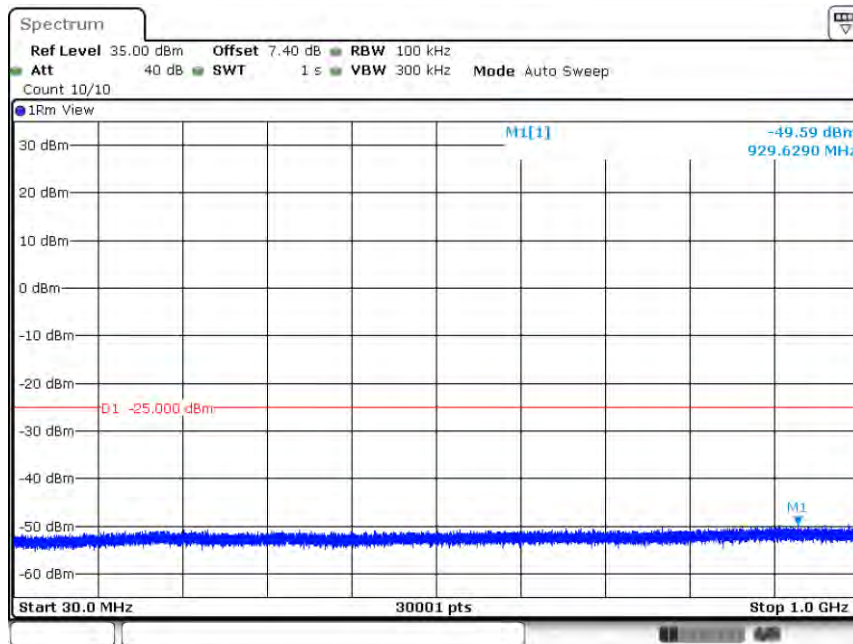
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Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:19:03

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



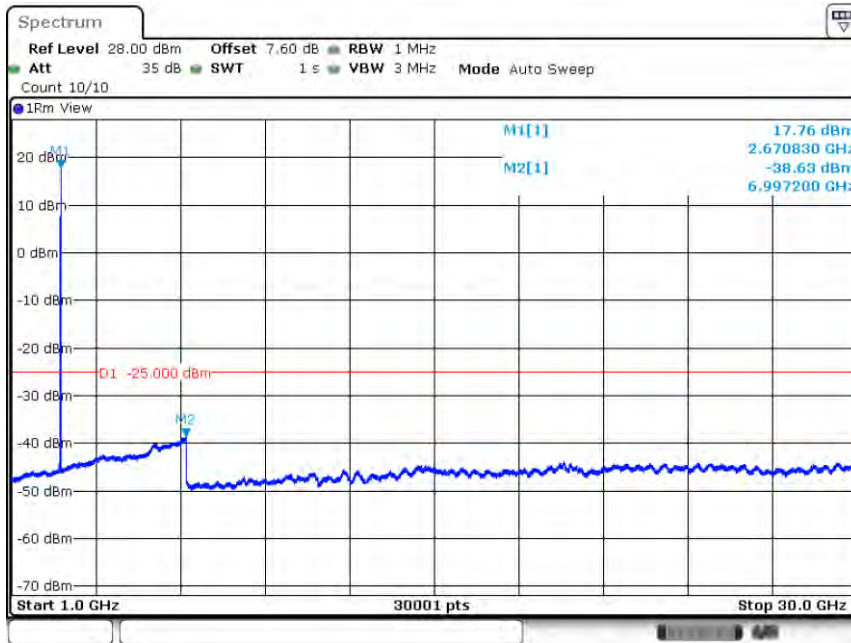
Date: 24 MAY.2021 02:19:22



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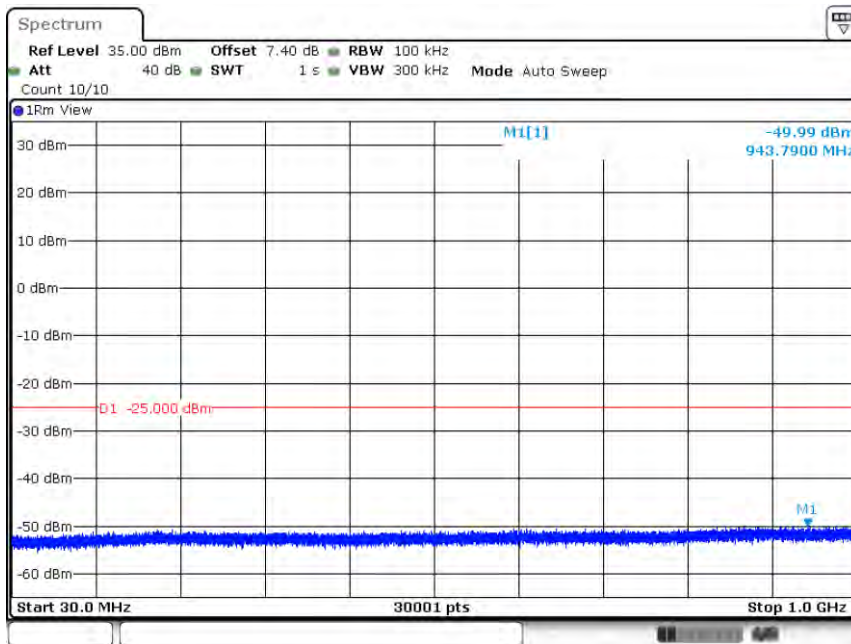
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Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:19:39

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



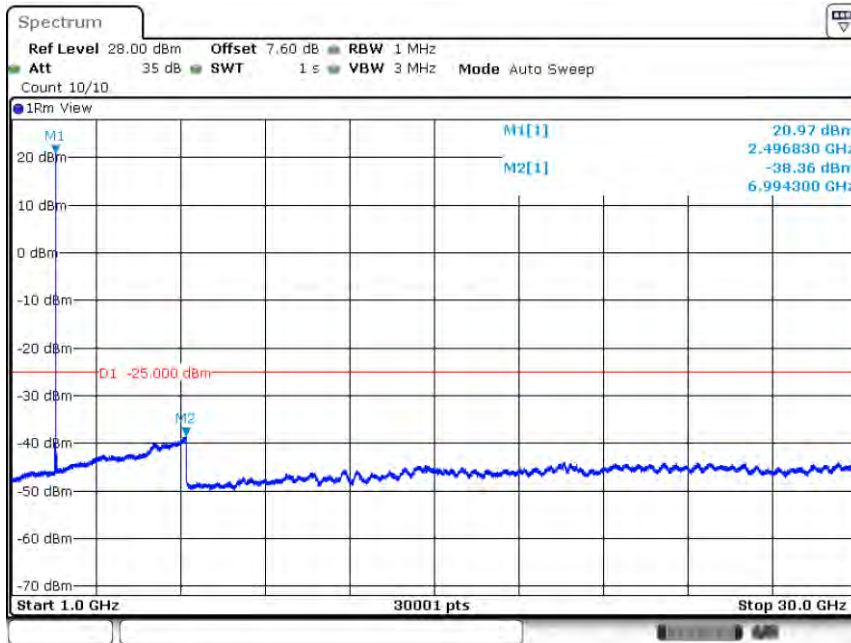
Date: 24 MAY.2021 02:08:16



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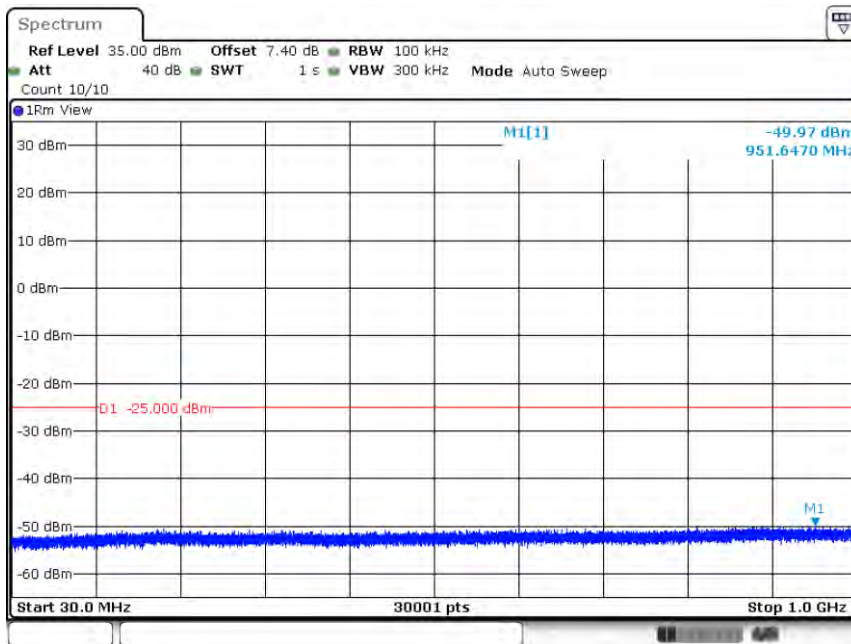
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Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:08:33

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

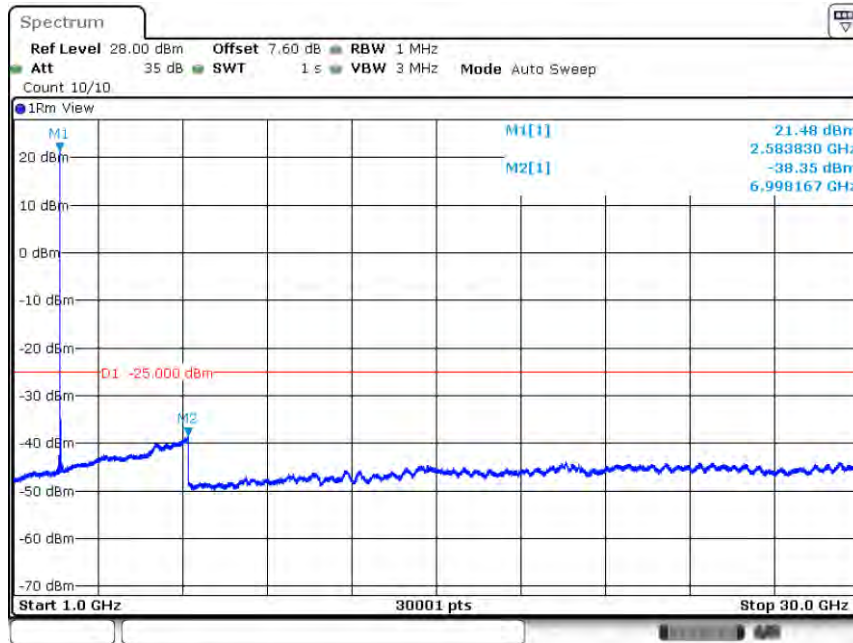


Date: 24 MAY.2021 02:09:26



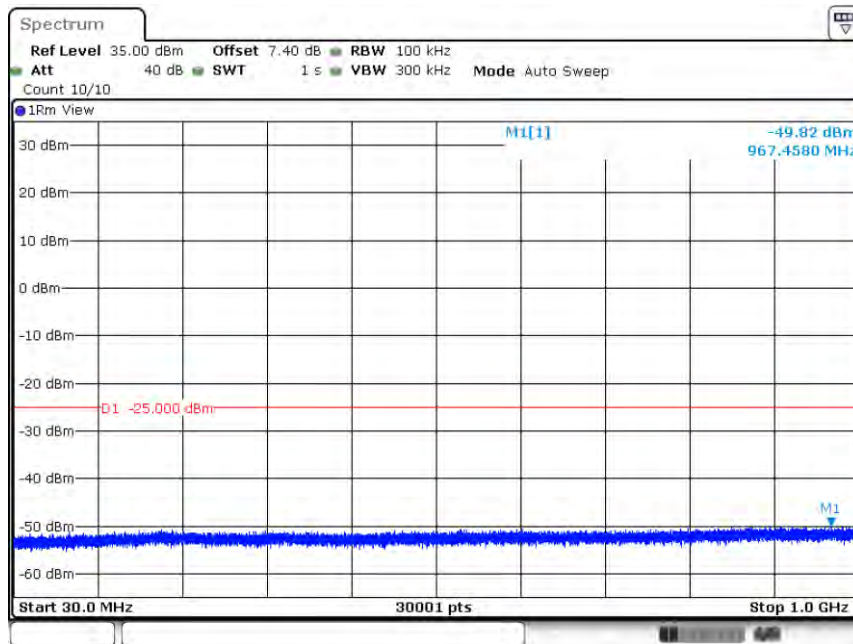
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Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 24 MAY.2021 02:09:43

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



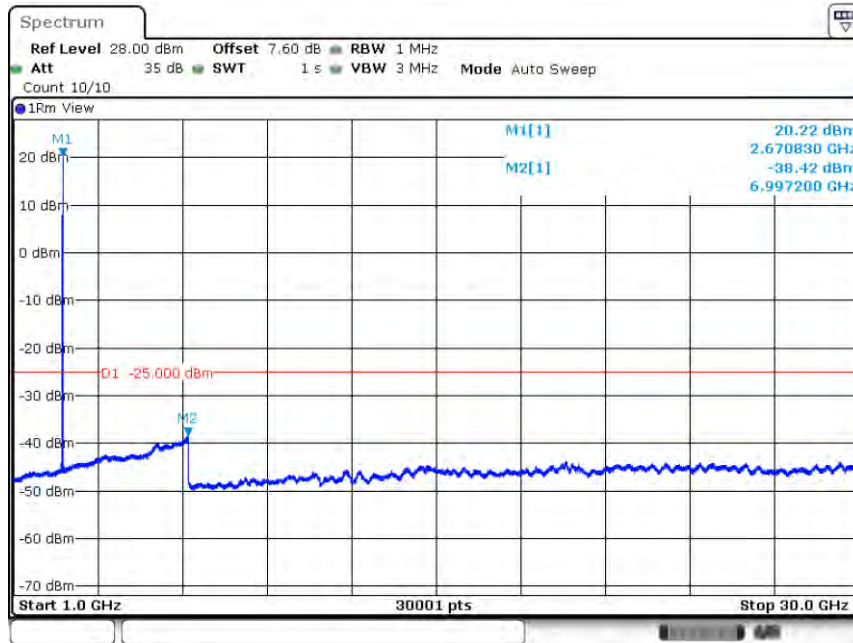
Date: 24 MAY.2021 02:10:37



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



Date: 24 MAY.2021 02:10:53



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7. Field Strength of Spurious Radiation

7.1. Test Band = _ LTE_Band41

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1243.5122	22.09	-48.43	-13.00	35.43	Horizontal
2	1975.7488	22.11	-46.60	-13.00	33.60	Horizontal
3	5022.1011	52.41	-57.23	-13.00	44.23	Horizontal
4	8779.7890	48.80	-50.91	-13.00	37.91	Horizontal
5	11935.9468	47.73	-46.96	-13.00	33.96	Horizontal
6	17987.999	50.17	-43.46	-13.00	30.46	Horizontal



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7.2. Test Band = _ LTE_Band41

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1276.2138	22.19	-48.28	-13.00	35.28	Vertical
2	1973.5487	22.05	-46.63	-13.00	33.63	Vertical
3	5187.8594	50.66	-58.39	-13.00	45.39	Vertical
4	7963.7482	50.34	-51.63	-13.00	38.63	Vertical
5	11914.1957	48.05	-46.30	-13.00	33.30	Vertical
6	17989.499	49.65	-44.01	-13.00	31.01	Vertical



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7.3. Test Band = _ LTE_Band41

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1171.0086	21.84	-48.42	-13.00	35.42	Horizontal
2	1970.0485	22.15	-46.50	-13.00	33.50	Horizontal
3	5186.3593	53.11	-55.96	-13.00	42.96	Horizontal
4	8388.2694	49.62	-51.44	-13.00	38.44	Horizontal
5	11927.6964	47.36	-47.20	-13.00	34.20	Horizontal
6	17915.245	49.35	-43.60	-13.00	30.60	Horizontal



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7.4. Test Band = _ LTE_Band41

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1287.8144	22.01	-48.51	-13.00	35.51	Vertical
2	1881.5441	22.02	-47.36	-13.00	34.36	Vertical
3	4159.5580	51.91	-60.89	-13.00	47.89	Vertical
4	7127.4564	49.17	-53.96	-13.00	40.96	Vertical
5	13200.510	46.20	-46.01	-13.00	33.01	Vertical
6	17987.999	50.24	-43.39	-13.00	30.39	Vertical



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7.5. Test Band = _ LTE_Band41

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1352.0176	22.30	-47.90	-13.00	34.90	Horizontal
2	1973.2487	21.96	-46.72	-13.00	33.72	Horizontal
3	3914.2957	52.06	-61.79	-13.00	48.79	Horizontal
4	6780.1890	50.04	-54.30	-13.00	41.30	Horizontal
5	11216.6608	48.12	-47.60	-13.00	34.60	Horizontal
6	17987.249	50.06	-43.55	-13.00	30.55	Horizontal



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7.6. Test Band = _ LTE_Band41

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1242.5121	22.19	-48.29	-13.00	35.29	Vertical
2	2135.9568	22.64	-45.55	-13.00	32.55	Vertical
3	4566.8283	51.53	-60.21	-13.00	47.21	Vertical
4	7357.7179	49.87	-53.07	-13.00	40.07	Vertical
5	11254.9127	48.05	-47.81	-13.00	34.81	Vertical
6	17997.749	49.75	-44.08	-13.00	31.08	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.
- all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report



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Shenzhen Branch, 1000111 Laboratory

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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	4.30	0.001716	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	0.10	0.000040	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	3.70	0.001476	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	2.40	0.000926	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	3.70	0.001427	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	2.60	0.001003	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	1.90	0.000709	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	2.70	0.001007	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	1.70	0.000634	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	3.10	0.001237	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	4.60	0.001836	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	2.00	0.000798	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	3.40	0.001311	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	3.50	0.001350	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	1.60	0.000617	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	5.00	0.001866	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	3.30	0.001231	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	2.40	0.000896	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	6.90	0.002753	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	4.00	0.001596	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	4.60	0.001836	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	5.70	0.002198	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	4.40	0.001697	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	5.50	0.002121	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	4.90	0.001828	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	1.80	0.000672	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	3.20	0.001194	±2.5	PASS



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Shenzhen Branch (SGS-CSTC Laboratory)

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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	6.90	0.002753	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	0.90	0.000359	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	1.80	0.000718	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	3.70	0.001476	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	4.50	0.001796	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	3.30	0.001317	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	5.20	0.002075	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	4.00	0.001596	±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	4.50	0.001735	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	4.20	0.001620	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	3.50	0.001350	±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	3.70	0.001427	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	3.40	0.001311	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	1.80	0.000694	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	3.80	0.001465	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	2.70	0.001041	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	4.00	0.001493	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	2.10	0.000784	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	4.80	0.001791	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	85.70	0.031978	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-0.60	-0.000224	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	4.50	0.001679	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	5.50	0.002052	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	1.10	0.000410	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	2.90	0.001157	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	2.20	0.000878	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-10	3.80	0.001516	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	4.20	0.001676	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	4.60	0.001836	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	1.60	0.000638	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	6.50	0.002594	±2.5	PASS



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Band41	20MHz	64QAM	39750	100RB#0	NV	40	2.20	0.000878	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	5.00	0.001995	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	3.80	0.001465	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	4.00	0.001543	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-10	3.60	0.001388	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	4.50	0.001735	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	7.10	0.002738	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	5.40	0.002083	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	3.00	0.001157	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	3.30	0.001273	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	4.60	0.001774	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	3.20	0.001194	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	5.40	0.002015	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-10	6.30	0.002351	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	2.50	0.000933	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	4.20	0.001567	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	3.00	0.001119	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	3.40	0.001269	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	1.90	0.000709	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	2.30	0.000858	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	4.90	0.001955	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	4.60	0.001836	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	6.60	0.002634	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	4.70	0.001875	±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	3.60	0.001437	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	5.40	0.002155	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	3.60	0.001437	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	1.80	0.000718	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	5.00	0.001928	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	4.20	0.001620	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	1.80	0.000694	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	4.10	0.001581	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	3.90	0.001504	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	3.50	0.001350	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	2.80	0.001080	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	6.00	0.002314	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	3.60	0.001388	±2.5	PASS



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Band41	20MHz	16QAM	41490	100RB#0	NV	-30	1.50	0.000560	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	0.90	0.000336	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	2.20	0.000821	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	1.50	0.000560	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	3.20	0.001194	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	2.50	0.000933	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	3.90	0.001455	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	2.80	0.001045	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	3.60	0.001343	±2.5	PASS



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 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