



Appendix B

E-UTRA Band 71



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.31	22.55	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.35	22.59	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.28	22.52	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.25	21.49	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.24	21.48	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.18	21.42	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.24	21.48	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.20	22.44	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.25	22.49	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.29	22.53	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.09	21.33	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.27	21.51	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.20	21.44	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.20	21.44	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.17	22.41	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.14	22.38	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.12	22.36	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.15	21.39	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.07	21.31	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.15	21.39	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.13	21.37	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.50	20.74	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.53	20.77	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.54	20.78	34.77	PASS
Band71	5MHz	64QAM	133147	12RB#13	20.35	19.59	34.77	PASS
Band71	5MHz	64QAM	133147	12RB#0	20.42	19.66	34.77	PASS
Band71	5MHz	64QAM	133147	12RB#6	20.37	19.61	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	20.36	19.6	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.40	20.64	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.50	20.74	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.50	20.74	34.77	PASS
Band71	5MHz	64QAM	133297	12RB#13	20.23	19.47	34.77	PASS
Band71	5MHz	64QAM	133297	12RB#6	20.34	19.58	34.77	PASS
Band71	5MHz	64QAM	133297	12RB#0	20.43	19.67	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.35	19.59	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.40	20.64	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.34	20.58	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.40	20.64	34.77	PASS
Band71	5MHz	64QAM	133447	12RB#0	20.28	19.52	34.77	PASS
Band71	5MHz	64QAM	133447	12RB#13	20.20	19.44	34.77	PASS
Band71	5MHz	64QAM	133447	12RB#6	20.26	19.5	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.30	19.54	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	18.93	18.17	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	18.87	18.11	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	18.92	18.16	34.77	PASS
Band71	5MHz	256QAM	133147	12RB#13	18.81	18.05	34.77	PASS
Band71	5MHz	256QAM	133147	12RB#0	18.82	18.06	34.77	PASS
Band71	5MHz	256QAM	133147	12RB#6	18.79	18.03	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	18.80	18.04	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	18.75	17.99	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	18.95	18.19	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	18.86	18.1	34.77	PASS
Band71	5MHz	256QAM	133297	12RB#0	18.79	18.03	34.77	PASS
Band71	5MHz	256QAM	133297	12RB#6	18.83	18.07	34.77	PASS
Band71	5MHz	256QAM	133297	12RB#13	18.68	17.92	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	18.80	18.04	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	18.93	18.17	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	18.83	18.07	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	18.87	18.11	34.77	PASS
Band71	5MHz	256QAM	133447	12RB#6	18.70	17.94	34.77	PASS



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Band71	5MHz	256QAM	133447	12RB#13	18.80	18.04	34.77	PASS
Band71	5MHz	256QAM	133447	12RB#0	18.79	18.03	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	18.77	18.01	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.50	21.74	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.38	21.62	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.48	21.72	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.41	20.65	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.46	20.7	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.32	20.56	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.41	20.65	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.38	21.62	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.39	21.63	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.36	21.6	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.45	20.69	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.28	20.52	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.38	20.62	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.34	20.58	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.24	21.48	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.33	21.57	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.31	21.55	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.26	20.5	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.30	20.54	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.27	20.51	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.35	20.59	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.22	22.46	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.34	22.58	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.30	22.54	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.29	21.53	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.19	21.43	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.24	21.48	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.30	21.54	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.16	22.4	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.24	22.48	34.77	PASS



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Band71	10MHz	QPSK	133297	1RB#24	23.26	22.5	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.16	21.4	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.24	21.48	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.12	21.36	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.25	21.49	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.17	22.41	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.19	22.43	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.16	22.4	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.15	21.39	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.07	21.31	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.14	21.38	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.16	21.4	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.57	20.81	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.41	20.65	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.57	20.81	34.77	PASS
Band71	10MHz	64QAM	133172	25RB#0	20.46	19.7	34.77	PASS
Band71	10MHz	64QAM	133172	25RB#12	20.36	19.6	34.77	PASS
Band71	10MHz	64QAM	133172	25RB#25	20.45	19.69	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.45	19.69	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.39	20.63	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.53	20.77	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.54	20.78	34.77	PASS
Band71	10MHz	64QAM	133297	25RB#25	20.32	19.56	34.77	PASS
Band71	10MHz	64QAM	133297	25RB#12	20.34	19.58	34.77	PASS
Band71	10MHz	64QAM	133297	25RB#0	20.42	19.66	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.42	19.66	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.45	20.69	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.41	20.65	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.39	20.63	34.77	PASS
Band71	10MHz	64QAM	133422	25RB#25	20.33	19.57	34.77	PASS
Band71	10MHz	64QAM	133422	25RB#12	20.30	19.54	34.77	PASS
Band71	10MHz	64QAM	133422	25RB#0	20.32	19.56	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.29	19.53	34.77	PASS



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Band71	10MHz	256QAM	133172	1RB#0	18.89	18.13	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	18.91	18.15	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	18.88	18.12	34.77	PASS
Band71	10MHz	256QAM	133172	25RB#0	18.80	18.04	34.77	PASS
Band71	10MHz	256QAM	133172	25RB#12	18.81	18.05	34.77	PASS
Band71	10MHz	256QAM	133172	25RB#25	14.89	14.13	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	18.89	18.13	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	18.93	18.17	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	18.91	18.15	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	18.96	18.2	34.77	PASS
Band71	10MHz	256QAM	133297	25RB#25	18.69	17.93	34.77	PASS
Band71	10MHz	256QAM	133297	25RB#0	18.84	18.08	34.77	PASS
Band71	10MHz	256QAM	133297	25RB#12	18.78	18.02	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	18.79	18.03	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	18.84	18.08	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	18.86	18.1	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	18.81	18.05	34.77	PASS
Band71	10MHz	256QAM	133422	25RB#0	18.84	18.08	34.77	PASS
Band71	10MHz	256QAM	133422	25RB#25	18.81	18.05	34.77	PASS
Band71	10MHz	256QAM	133422	25RB#12	18.81	18.05	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	18.79	18.03	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.40	21.64	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.43	21.67	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.47	21.71	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.42	20.66	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.34	20.58	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.49	20.73	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.43	20.67	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.34	21.58	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.44	21.68	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.33	21.57	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.31	20.55	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.46	20.7	34.77	PASS



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Band71	10MHz	16QAM	133297	25RB#12	21.31	20.55	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.37	20.61	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.37	21.61	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.24	21.48	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.39	21.63	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.35	20.59	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.29	20.53	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.33	20.57	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.29	20.53	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.18	22.42	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.25	22.49	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.12	22.36	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#18	22.15	21.39	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#39	22.07	21.31	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#0	22.19	21.43	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.17	21.41	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.17	22.41	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.21	22.45	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.05	22.29	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#0	22.27	21.51	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#18	22.13	21.37	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#39	22.11	21.35	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.26	21.5	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.13	22.37	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.07	22.31	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.18	22.42	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#39	22.08	21.32	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#18	22.08	21.32	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#0	22.03	21.27	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.09	21.33	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.40	20.64	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.48	20.72	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.59	20.83	34.77	PASS



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Band71	15MHz	64QAM	133197	36RB#0	20.34	19.58	34.77	PASS
Band71	15MHz	64QAM	133197	36RB#18	20.32	19.56	34.77	PASS
Band71	15MHz	64QAM	133197	36RB#39	20.21	19.45	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.33	19.57	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.48	20.72	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.53	20.77	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.35	20.59	34.77	PASS
Band71	15MHz	64QAM	133297	36RB#0	20.39	19.63	34.77	PASS
Band71	15MHz	64QAM	133297	36RB#39	20.31	19.55	34.77	PASS
Band71	15MHz	64QAM	133297	36RB#18	20.25	19.49	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.35	19.59	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.44	20.68	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.36	20.6	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.47	20.71	34.77	PASS
Band71	15MHz	64QAM	133397	36RB#0	20.22	19.46	34.77	PASS
Band71	15MHz	64QAM	133397	36RB#18	20.25	19.49	34.77	PASS
Band71	15MHz	64QAM	133397	36RB#39	20.27	19.51	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.27	19.51	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	18.82	18.06	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	18.83	18.07	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	18.94	18.18	34.77	PASS
Band71	15MHz	256QAM	133197	36RB#0	18.78	18.02	34.77	PASS
Band71	15MHz	256QAM	133197	36RB#39	18.76	18	34.77	PASS
Band71	15MHz	256QAM	133197	36RB#18	18.81	18.05	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	18.77	18.01	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	18.78	18.02	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	18.76	18	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	18.84	18.08	34.77	PASS
Band71	15MHz	256QAM	133297	36RB#18	18.73	17.97	34.77	PASS
Band71	15MHz	256QAM	133297	36RB#0	18.83	18.07	34.77	PASS
Band71	15MHz	256QAM	133297	36RB#39	18.71	17.95	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	18.84	18.08	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	18.89	18.13	34.77	PASS



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Band71	15MHz	256QAM	133397	1RB#0	18.86	18.1	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	18.86	18.1	34.77	PASS
Band71	15MHz	256QAM	133397	36RB#39	18.71	17.95	34.77	PASS
Band71	15MHz	256QAM	133397	36RB#18	18.73	17.97	34.77	PASS
Band71	15MHz	256QAM	133397	36RB#0	18.70	17.94	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	18.62	17.86	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.29	21.53	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.21	21.45	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.33	21.57	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#0	21.38	20.62	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#18	21.37	20.61	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#39	21.25	20.49	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.34	20.58	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.41	21.65	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.36	21.6	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.21	21.45	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#39	21.32	20.56	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#0	21.43	20.67	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#18	21.31	20.55	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.37	20.61	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.27	21.51	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.34	21.58	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.14	21.38	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#0	21.17	20.41	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#18	21.22	20.46	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#39	21.24	20.48	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.23	20.47	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.23	22.47	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.21	22.45	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.02	22.26	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.13	21.37	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.13	21.37	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.98	21.22	34.77	PASS



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Band71	20MHz	QPSK	133222	100RB#0	22.04	21.28	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.19	22.43	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.01	22.25	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.15	22.39	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.33	21.57	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.20	21.44	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.22	21.46	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.28	21.52	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.20	22.44	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.22	22.46	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.02	22.26	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.12	21.36	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.11	21.35	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.05	21.29	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.09	21.33	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.31	20.55	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.48	20.72	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.51	20.75	34.77	PASS
Band71	20MHz	64QAM	133222	50RB#50	20.11	19.35	34.77	PASS
Band71	20MHz	64QAM	133222	50RB#25	20.29	19.53	34.77	PASS
Band71	20MHz	64QAM	133222	50RB#0	20.28	19.52	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.17	19.41	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.28	20.52	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.42	20.66	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.49	20.73	34.77	PASS
Band71	20MHz	64QAM	133322	50RB#50	20.38	19.62	34.77	PASS
Band71	20MHz	64QAM	133322	50RB#0	20.51	19.75	34.77	PASS
Band71	20MHz	64QAM	133322	50RB#25	20.34	19.58	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.41	19.65	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.45	20.69	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.29	20.53	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.47	20.71	34.77	PASS
Band71	20MHz	64QAM	133372	50RB#25	20.27	19.51	34.77	PASS



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Band71	20MHz	64QAM	133372	50RB#0	20.28	19.52	34.77	PASS
Band71	20MHz	64QAM	133372	50RB#50	20.18	19.42	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.20	19.44	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	18.88	18.12	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	18.91	#VALUE!	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	18.90	18.14	34.77	PASS
Band71	20MHz	256QAM	133222	50RB#50	18.67	17.91	34.77	PASS
Band71	20MHz	256QAM	133222	50RB#25	18.69	17.93	34.77	PASS
Band71	20MHz	256QAM	133222	50RB#0	18.69	17.93	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	18.59	17.83	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	18.82	18.06	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	18.85	18.09	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	18.76	18	34.77	PASS
Band71	20MHz	256QAM	133322	50RB#0	18.96	18.2	34.77	PASS
Band71	20MHz	256QAM	133322	50RB#25	18.79	18.03	34.77	PASS
Band71	20MHz	256QAM	133322	50RB#50	18.76	18	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	18.93	18.17	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	18.87	18.11	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	18.92	18.16	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	18.83	18.07	34.77	PASS
Band71	20MHz	256QAM	133372	50RB#0	18.65	17.89	34.77	PASS
Band71	20MHz	256QAM	133372	50RB#50	18.65	17.89	34.77	PASS
Band71	20MHz	256QAM	133372	50RB#25	18.70	17.94	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	18.68	17.92	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.40	21.64	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.13	21.37	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.37	21.61	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.31	20.55	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.11	20.35	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.28	20.52	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.18	20.42	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.29	21.53	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.40	21.64	34.77	PASS



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Band71	20MHz	16QAM	133322	1RB#99	22.26	21.5	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.35	20.59	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.50	20.74	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.30	20.54	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.44	20.68	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.42	21.66	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.40	21.64	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.21	21.45	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.25	20.49	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.25	20.49	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.19	20.43	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.21	20.45	34.77	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

The conducted Power is measured by Base Station Simulator





2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.36	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.62	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.39	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.43	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.58	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.49	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.52	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.72	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.61	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.17	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.32	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.23	13	PASS



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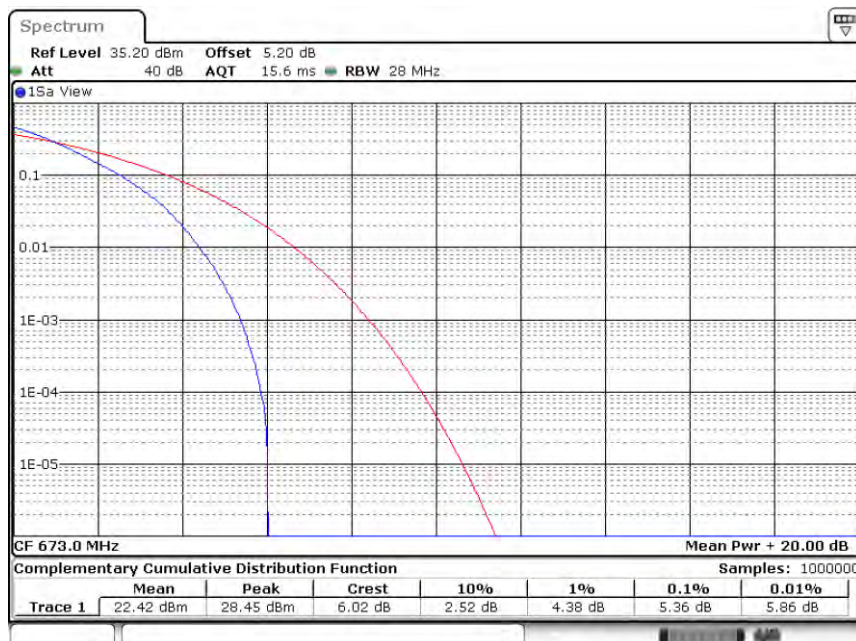
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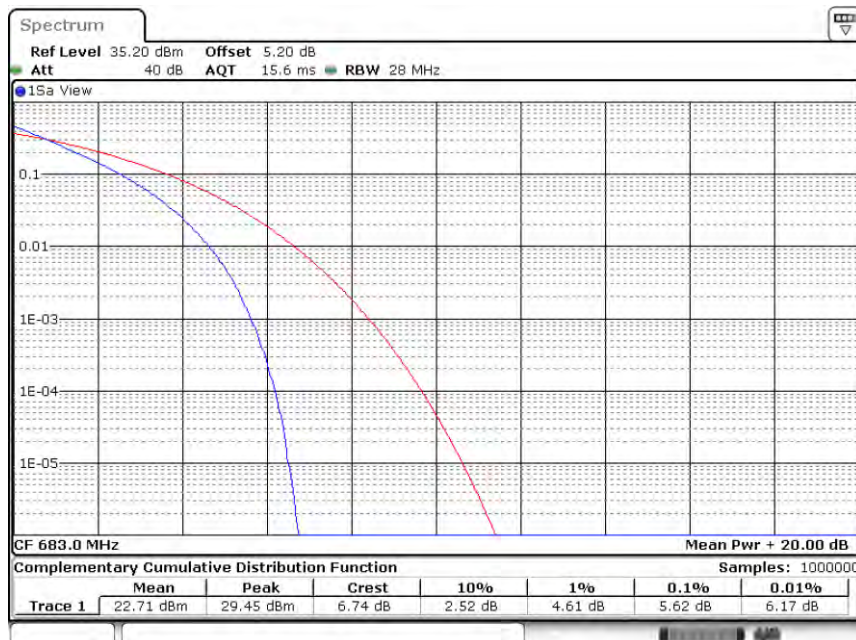
2.2. Test Plots

Band71-20MHz-QPSK-133222-100RB#0



Date: 5.MAY.2021 04:54:33

Band71-20MHz-QPSK-133322-100RB#0



Date: 5.MAY.2021 04:54:56

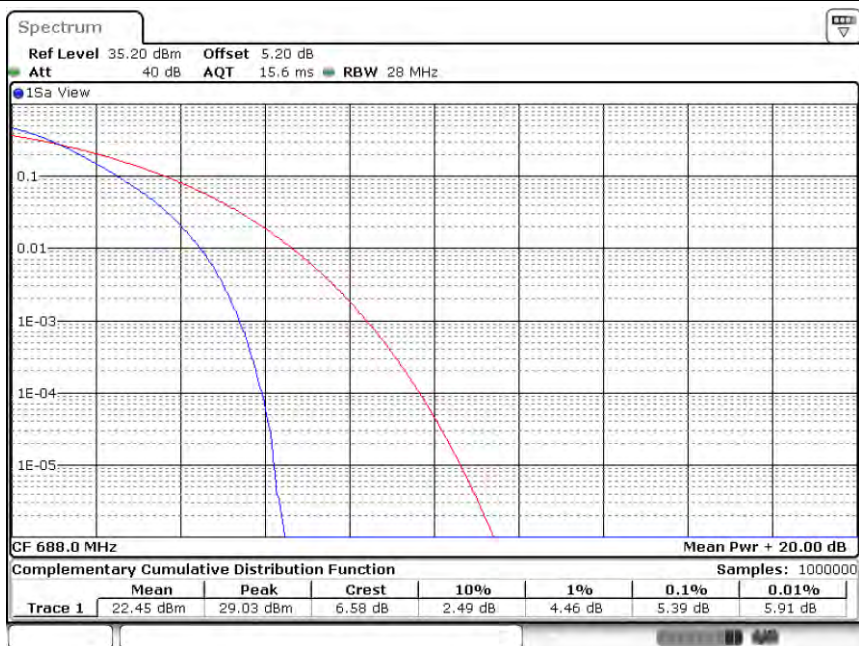


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Band71-20MHz-QPSK-133372-100RB#0



Date: 5.MAY.2021 04:55:19

Band71-20MHz-64QAM-133222-100RB#0



Date: 17.MAY.2021 00:51:01



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Band71-20MHz-64QAM-133322-100RB#0



Date: 17.MAY.2021 00:51:12

Band71-20MHz-64QAM-133372-100RB#0



Date: 17.MAY.2021 00:51:24



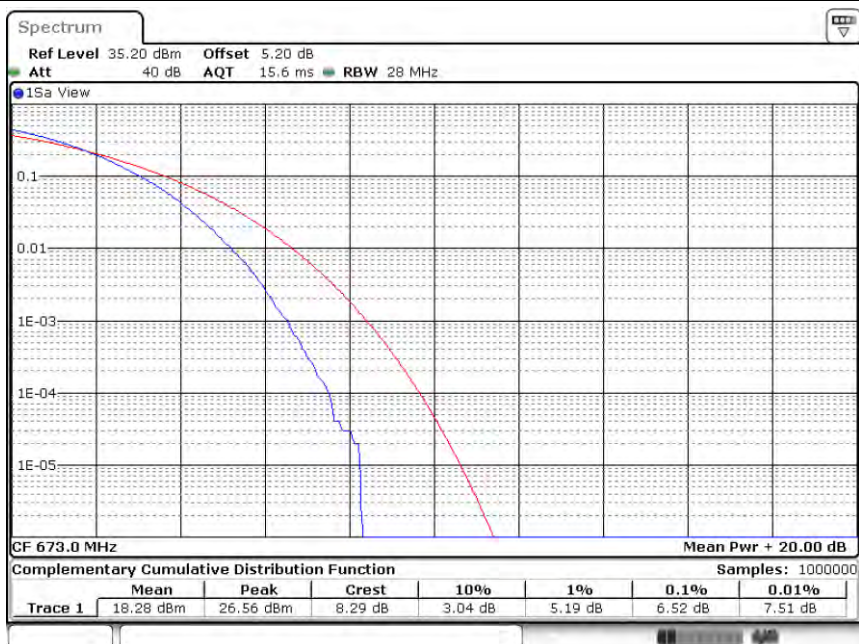
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Band71-20MHz-256QAM-133222-100RB#0



Date: 7.MAY.2021 03:23:08

Band71-20MHz-256QAM-133322-100RB#0



Date: 7.MAY.2021 03:23:19



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Band71-20MHz-256QAM-133372-100RB#0



Date: 7.MAY.2021 03:23:31

Band71-20MHz-16QAM-133222-100RB#0



Date: 5.MAY.2021 04:54:45



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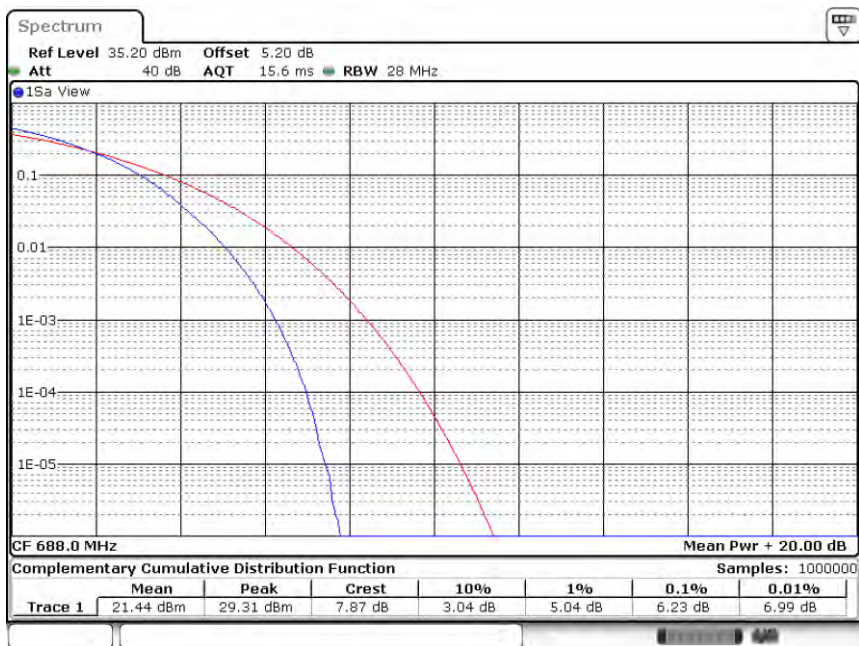


Band71-20MHz-16QAM-133322-100RB#0



Date: 5.MAY.2021 04:55:08

Band71-20MHz-16QAM-133372-100RB#0



Date: 5.MAY.2021 04:55:31

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



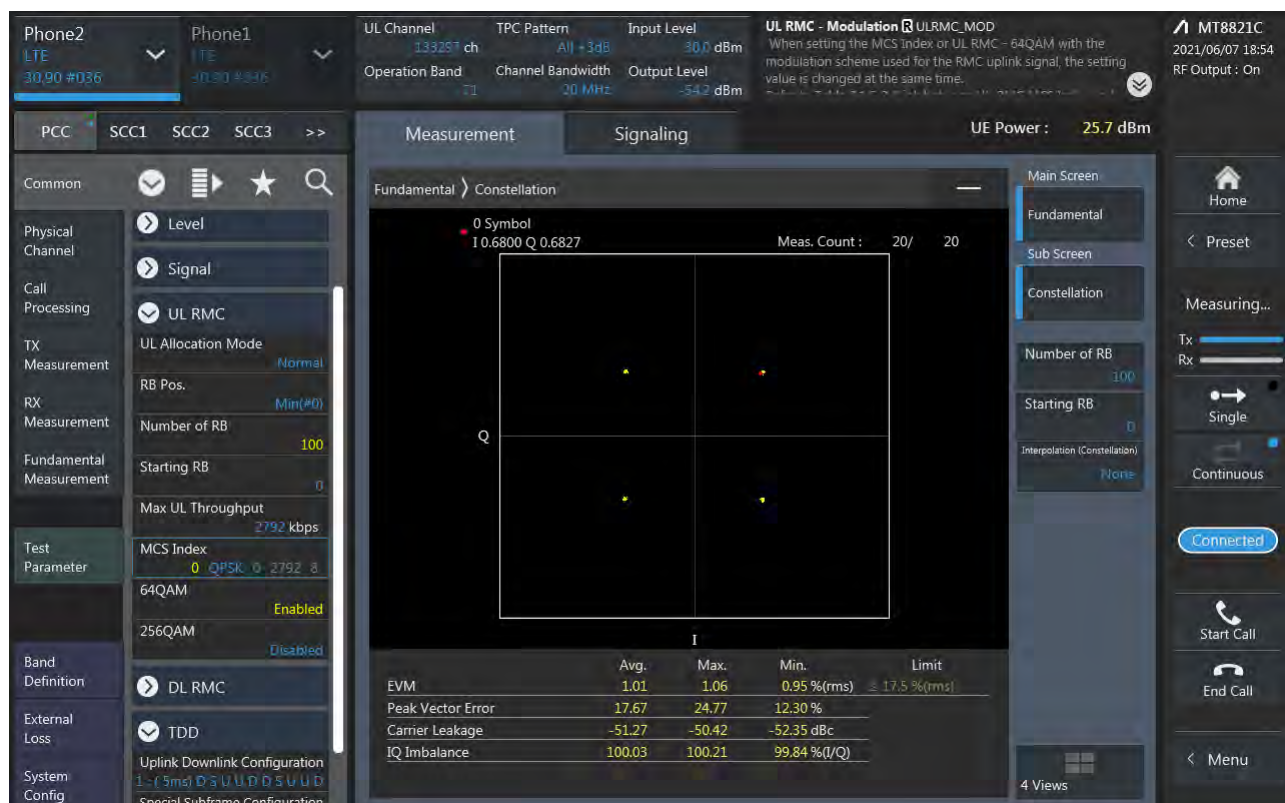
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

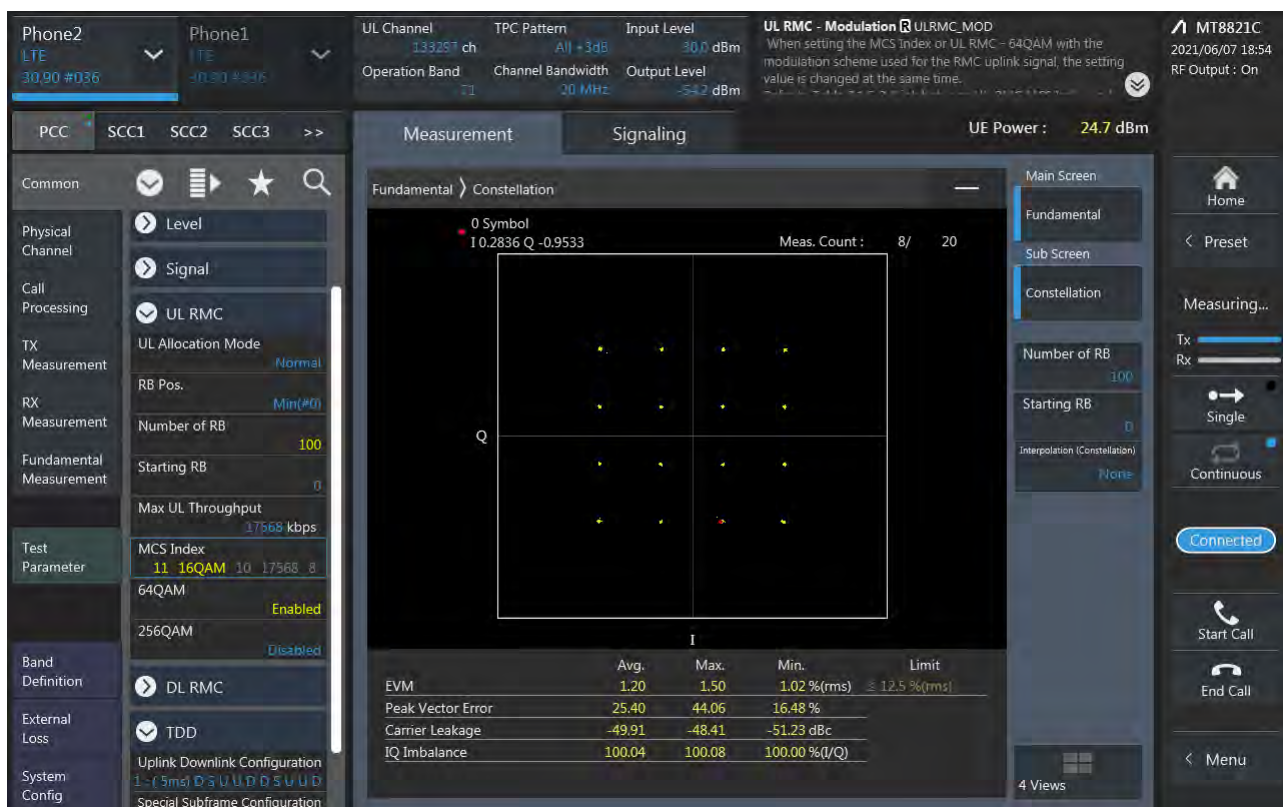
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

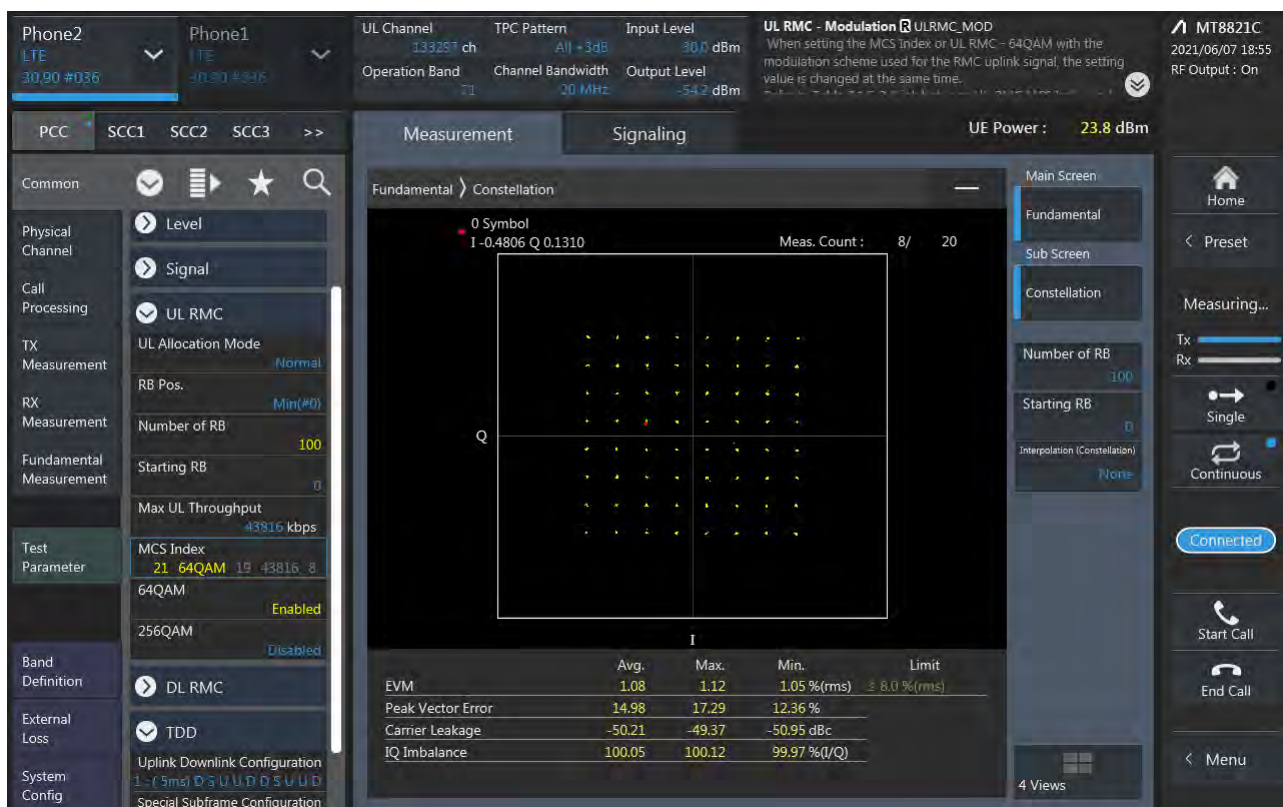
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

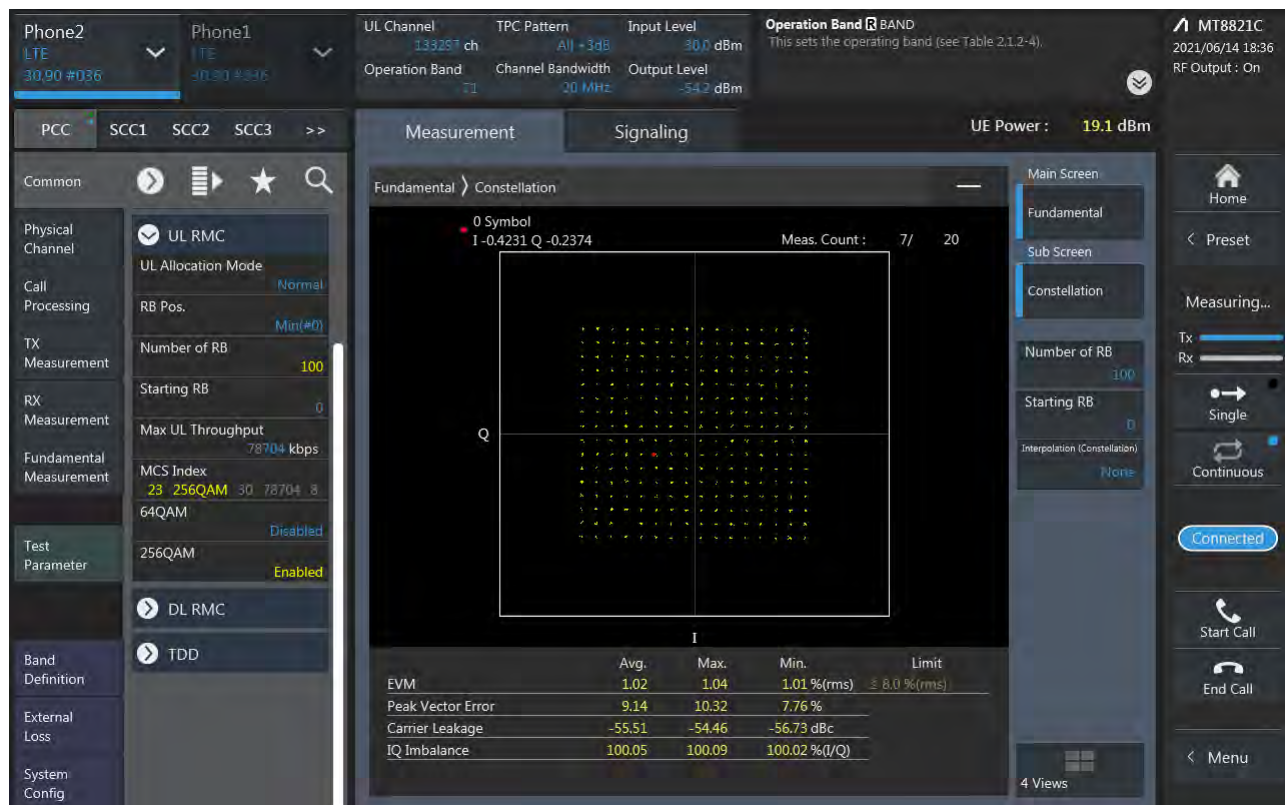
3.3.1. Test Channel = MCH





3.4. Test Mode = LTE /TM4 20MHz

3.4.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.476	4.860	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.890	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.476	4.880	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.476	4.870	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.476	4.860	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.466	4.860	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.486	6.030	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.476	4.890	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.505	6.420	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.476	4.860	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.486	4.890	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.486	4.900	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.931	9.680	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.931	9.680	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.911	9.640	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.951	9.620	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.951	9.620	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.951	9.620	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.951	9.600	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.931	9.640	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.911	9.620	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.951	9.700	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.951	9.620	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.931	9.680	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.457	14.700	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.487	14.700	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.427	14.700	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.427	14.790	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.487	14.820	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.427	14.790	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.457	14.520	PASS



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Band71	15MHz	256QAM	133297	75RB#0	13.457	14.790	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.427	14.670	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.427	14.730	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.487	14.760	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.427	14.700	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.822	19.160	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.902	19.400	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.862	19.280	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.862	19.200	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.902	19.280	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.862	19.360	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.862	19.120	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.942	19.360	PASS
Band71	20MHz	256QAM	133372	100RB#0	18.022	25.200	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.862	19.360	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.942	19.440	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.902	19.360	PASS



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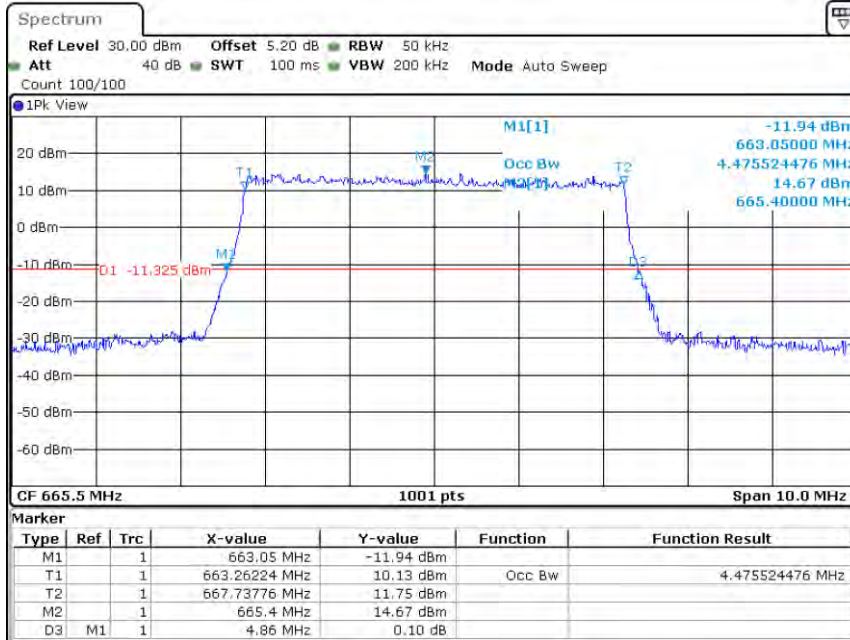
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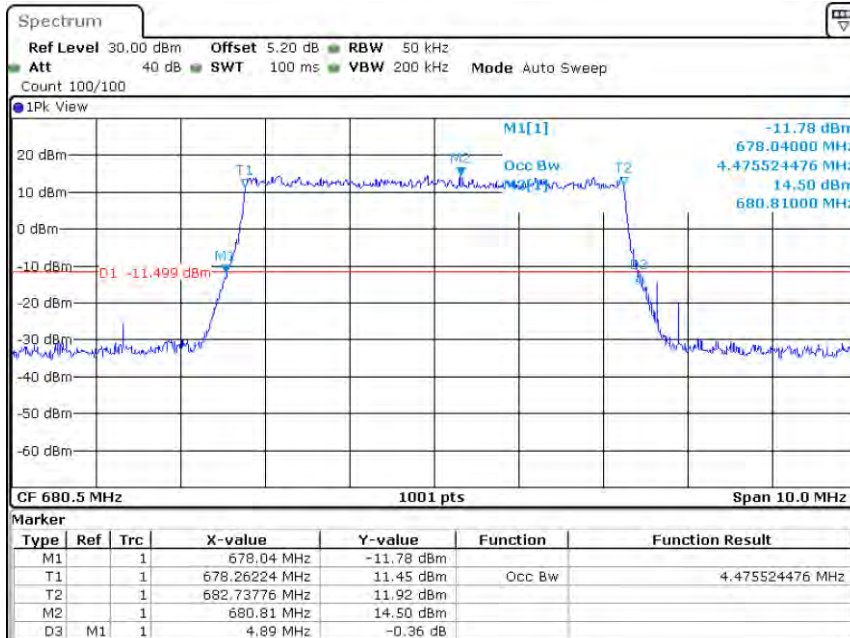
4.2. Test Plots

Band71-5MHz-QPSK-133147-25RB#0-4.476



Date: 16.MAY.2021 13:44:42

Band71-5MHz-QPSK-133297-25RB#0-4.476



Date: 16.MAY.2021 13:45:21

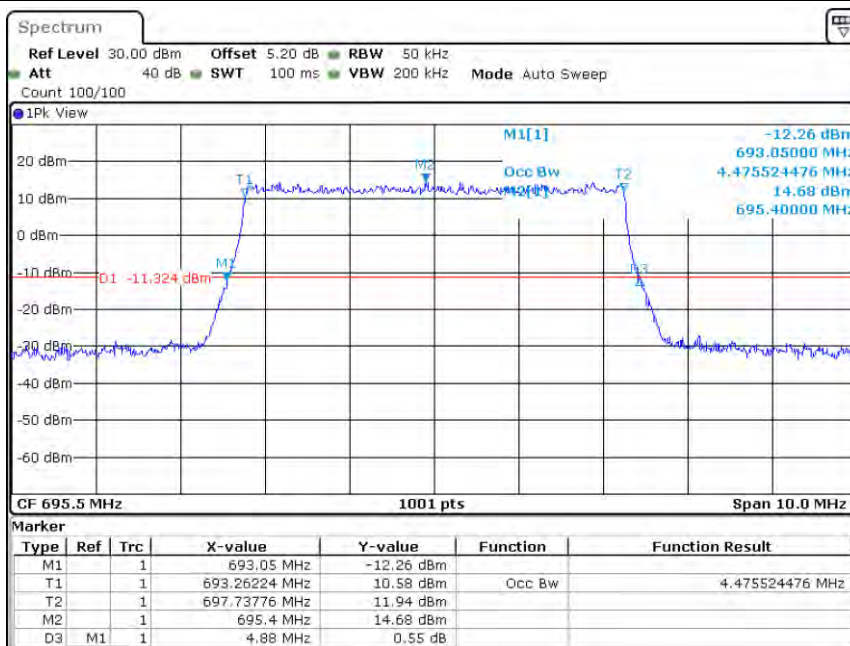


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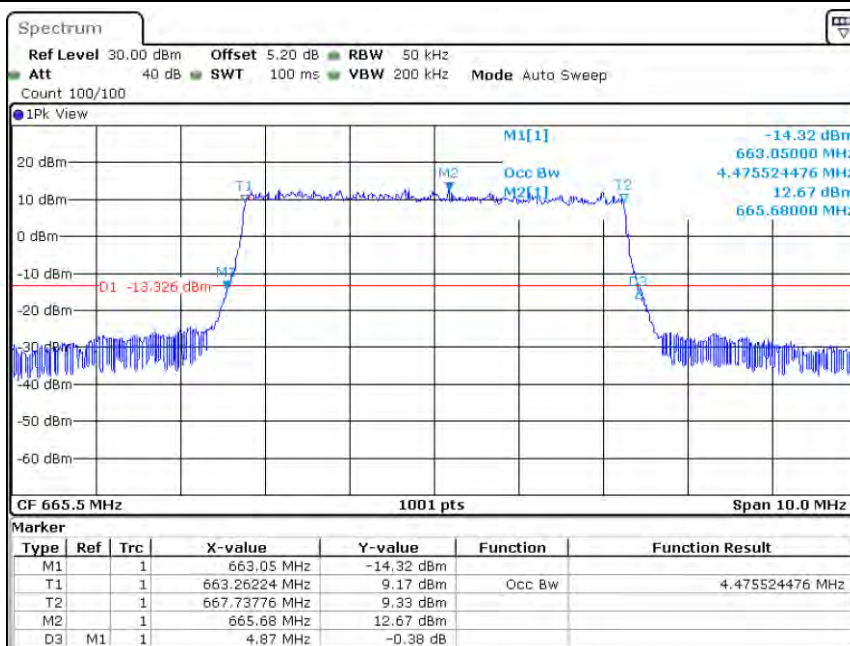


Band71-5MHz-QPSK-133447-25RB#0-4.476



Date: 16.MAY.2021 13:46:01

Band71-5MHz-64QAM-133147-25RB#0-4.476



Date: 17.MAY.2021 00:39:42

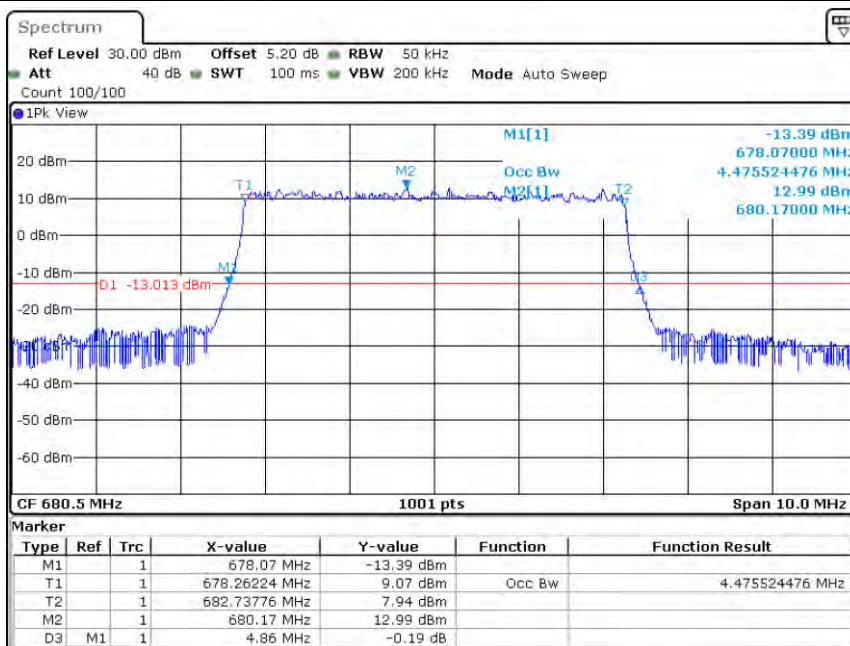


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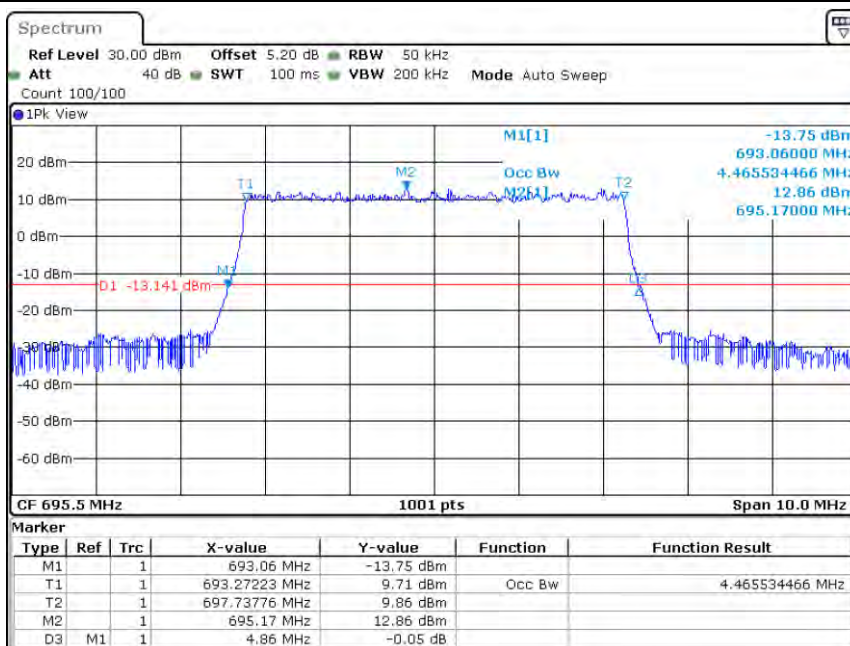


Band71-5MHz-64QAM-133297-25RB#0-4.476



Date: 17.MAY.2021 00:40:01

Band71-5MHz-64QAM-133447-25RB#0-4.466



Date: 17.MAY.2021 00:40:21

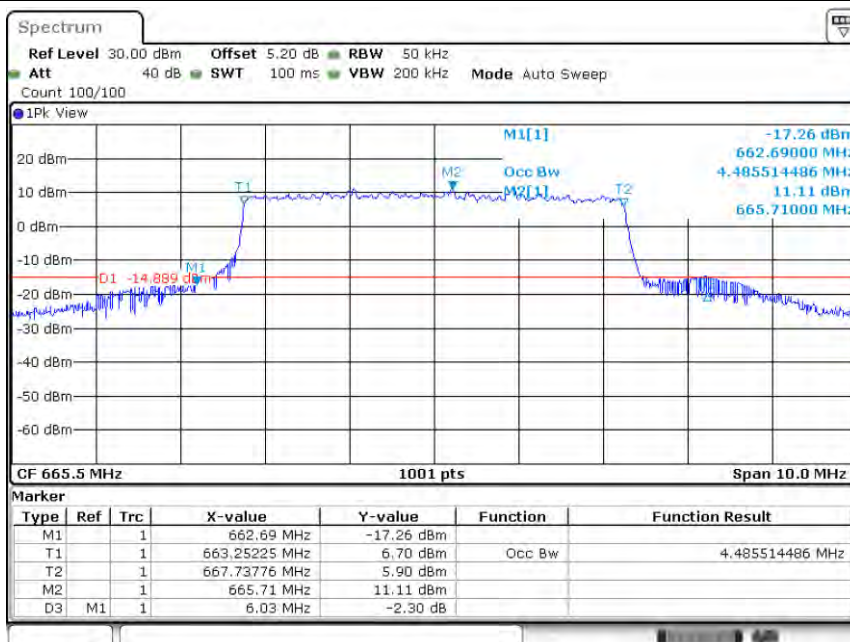


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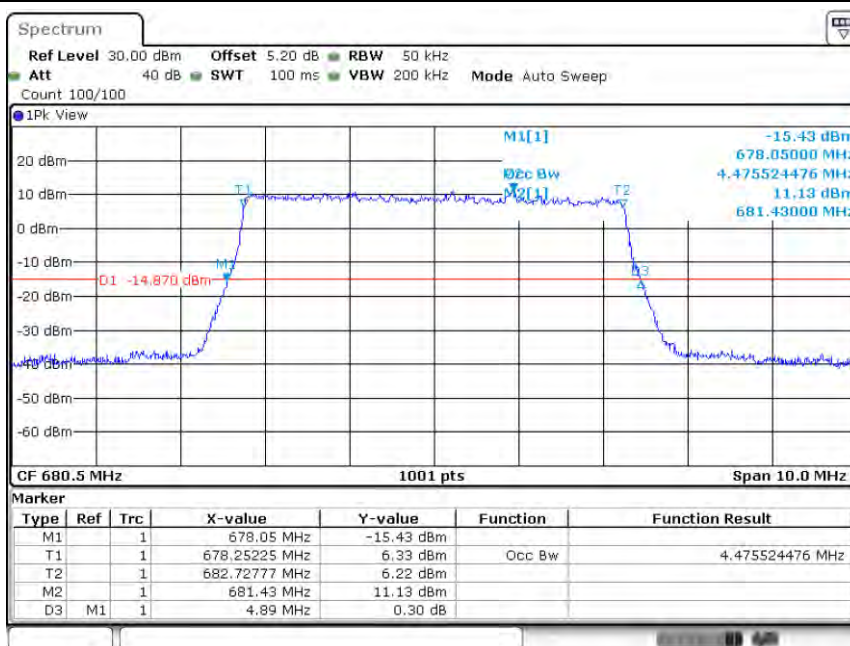


Band71-5MHz-256QAM-133147-25RB#0-4.486



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Band71-5MHz-256QAM-133297-25RB#0-4.476



Date: 5.MAY.2021 04:00:18

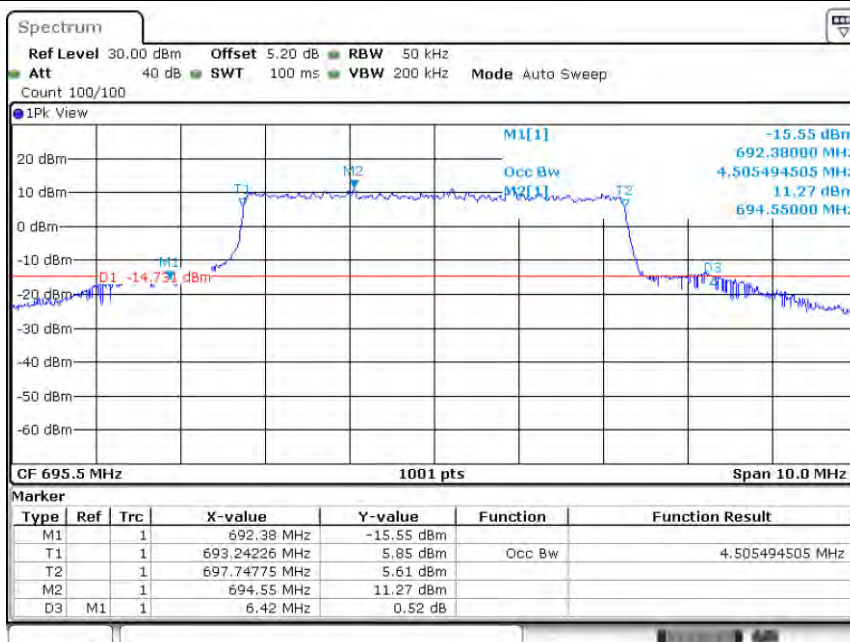


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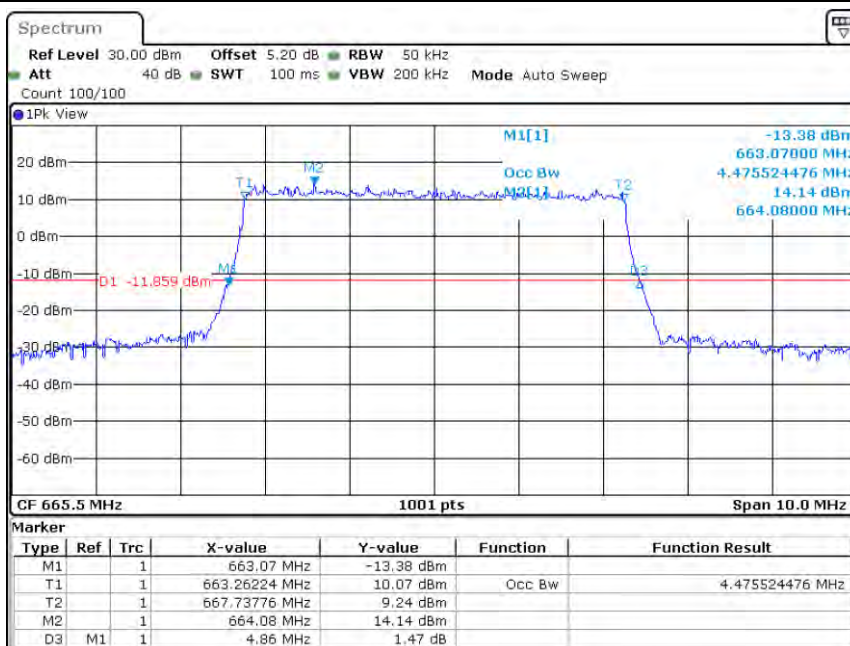


Band71-5MHz-256QAM-133447-25RB#0-4.505



Date: 5.MAY.2021 04:02:09

Band71-5MHz-16QAM-133147-25RB#0-4.476



Date: 16.MAY.2021 13:45:01

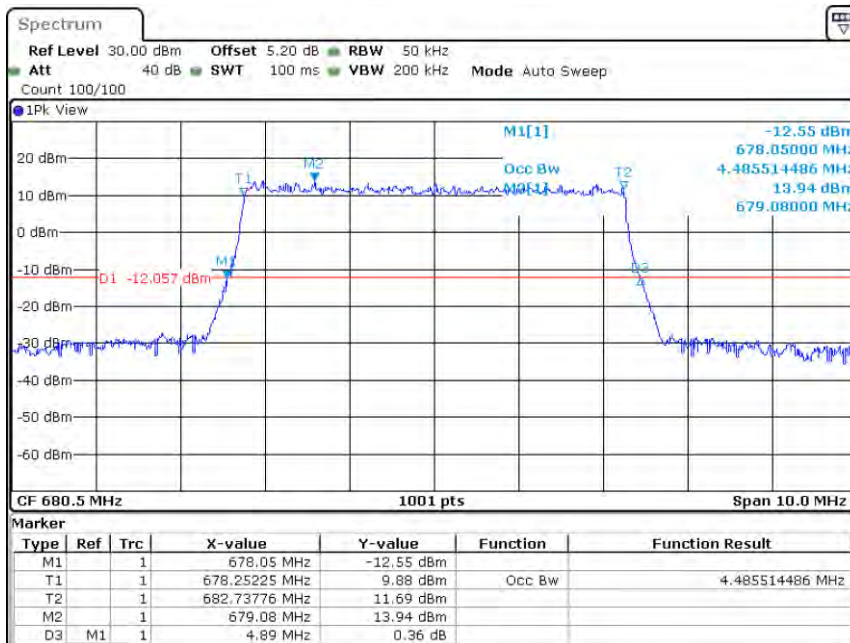


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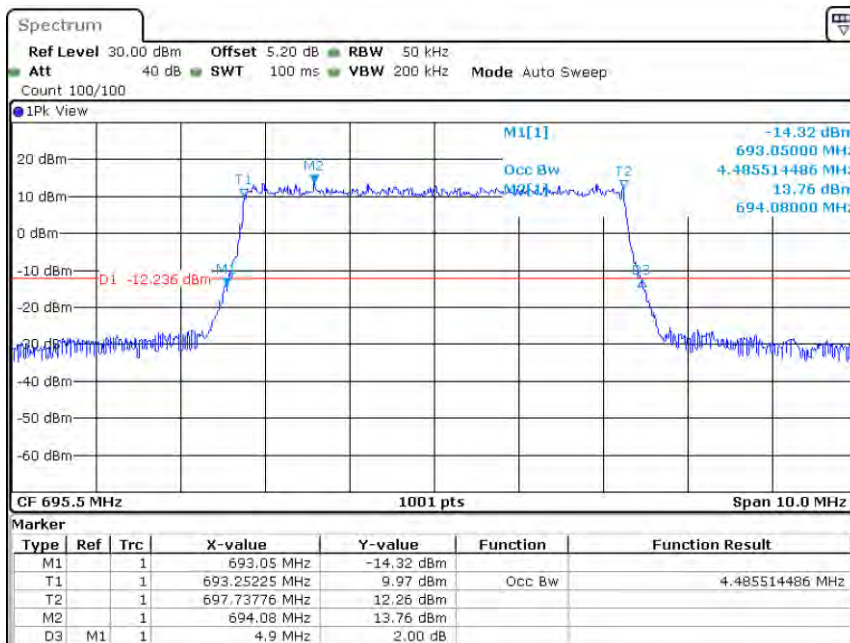


Band71-5MHz-16QAM-133297-25RB#0-4.486



Date: 16.MAY.2021 13:45:41

Band71-5MHz-16QAM-133447-25RB#0-4.486



Date: 16.MAY.2021 13:46:21

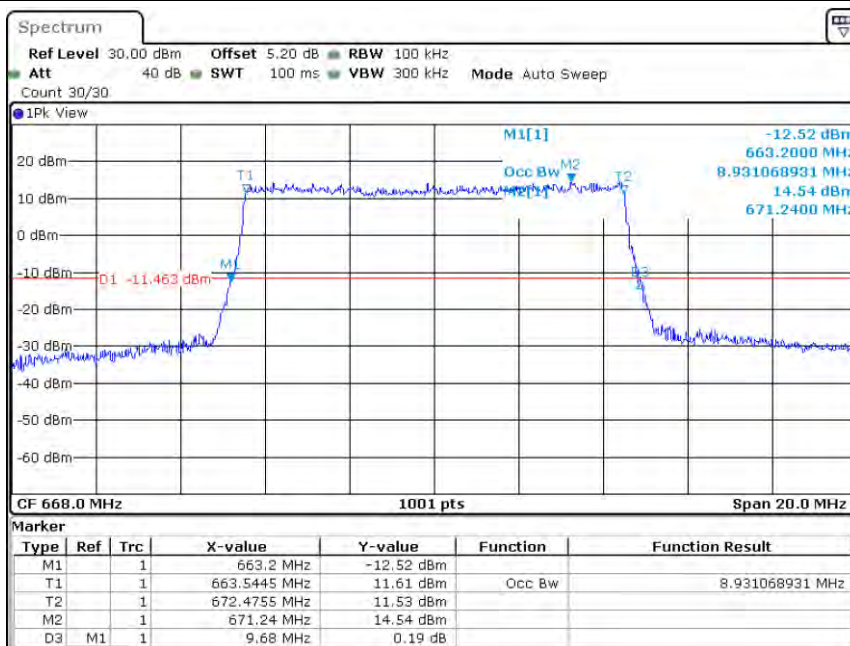


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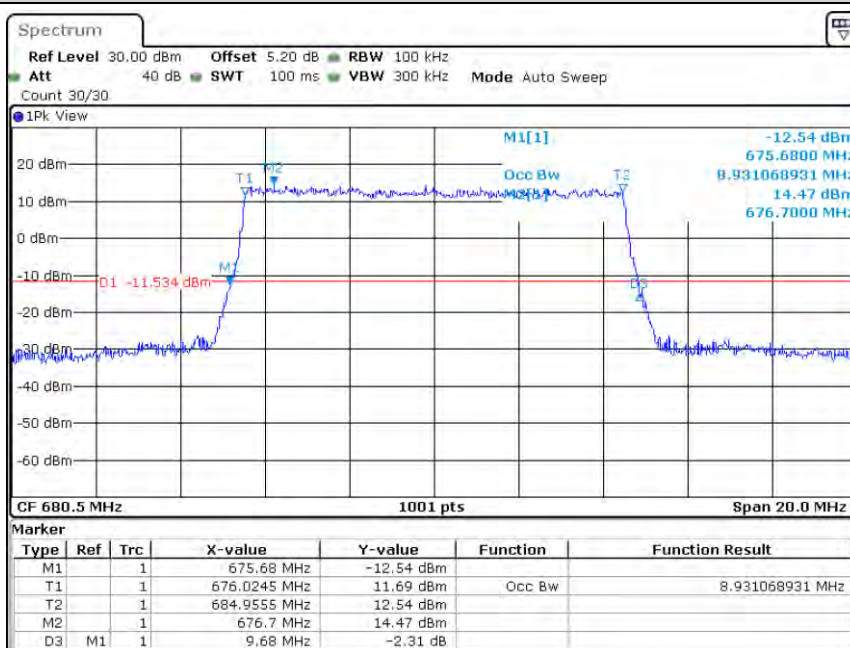


Band71-10MHz-QPSK-133172-50RB#0-8.931



Date: 16.MAY.2021 13:46:40

Band71-10MHz-QPSK-133297-50RB#0-8.931



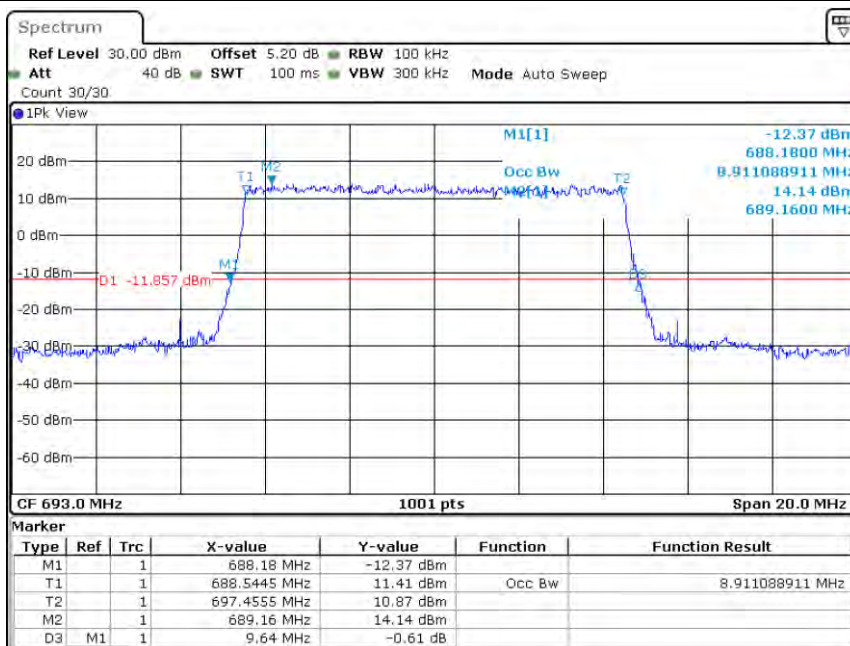
Date: 16.MAY.2021 13:47:05



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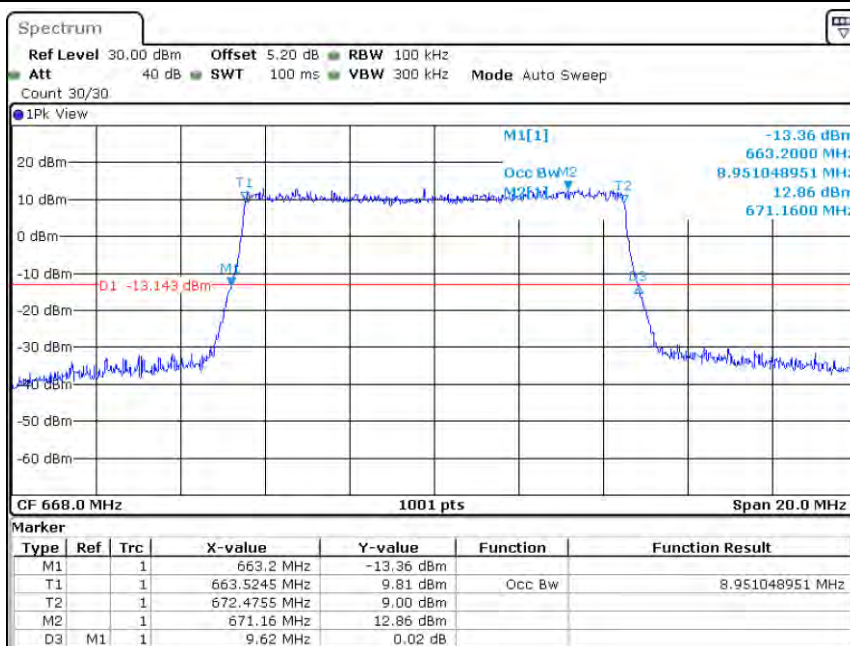
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Band71-10MHz-QPSK-133422-50RB#0-8.911



Date: 16.MAY.2021 13:47:31

Band71-10MHz-64QAM-133172-50RB#0-8.951



Date: 17.MAY.2021 00:40:41

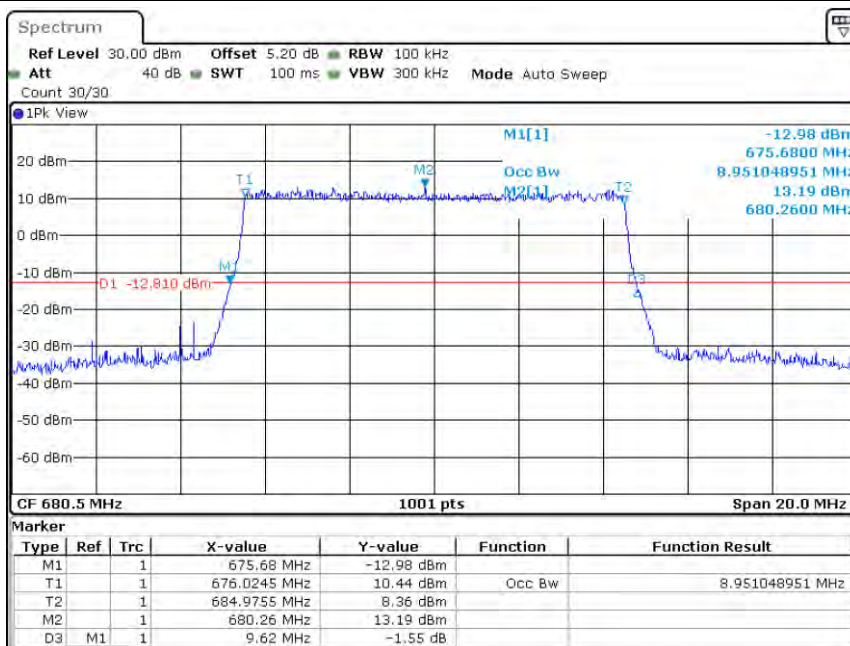


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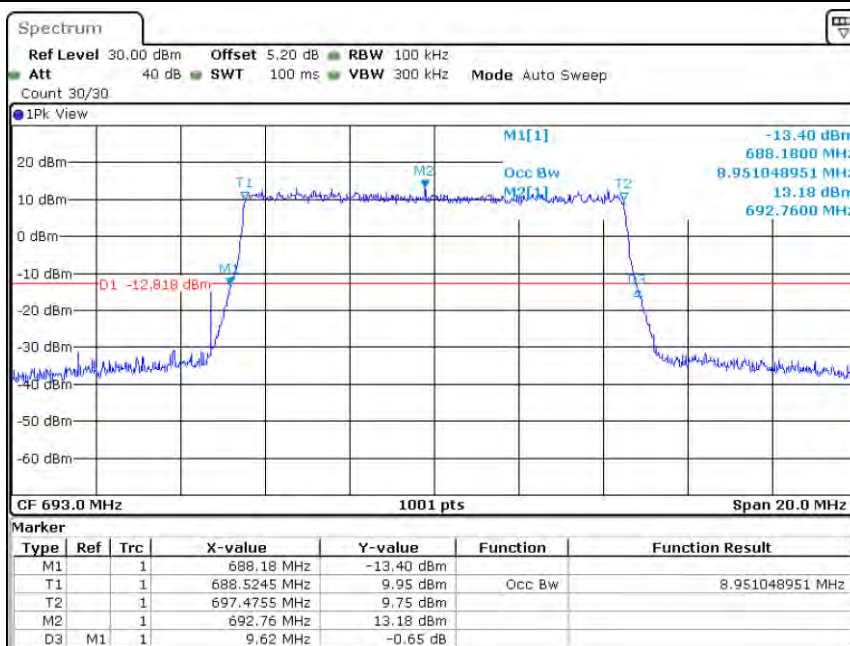


Band71-10MHz-64QAM-133297-50RB#0-8.951



Date: 17.MAY.2021 00:40:54

Band71-10MHz-64QAM-133422-50RB#0-8.951



Date: 17.MAY.2021 00:41:07

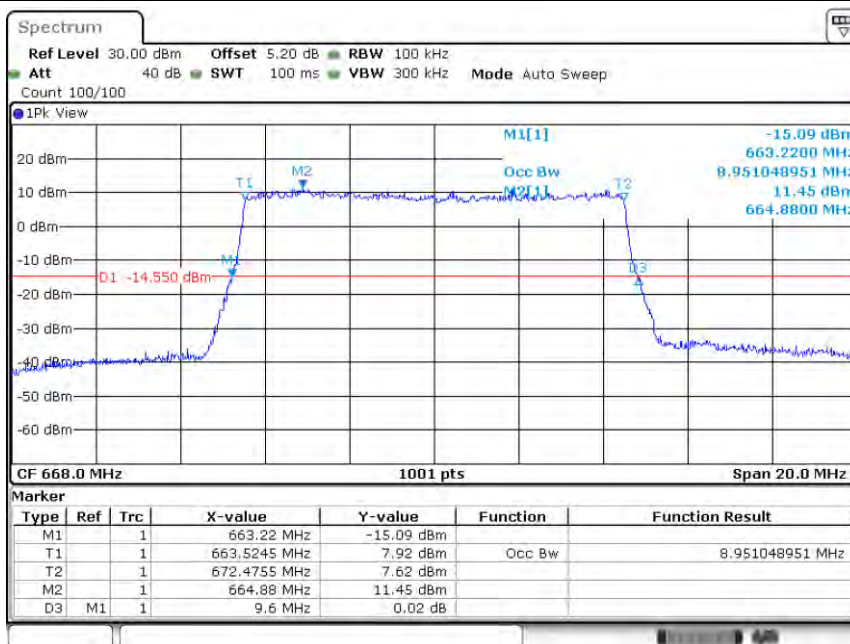


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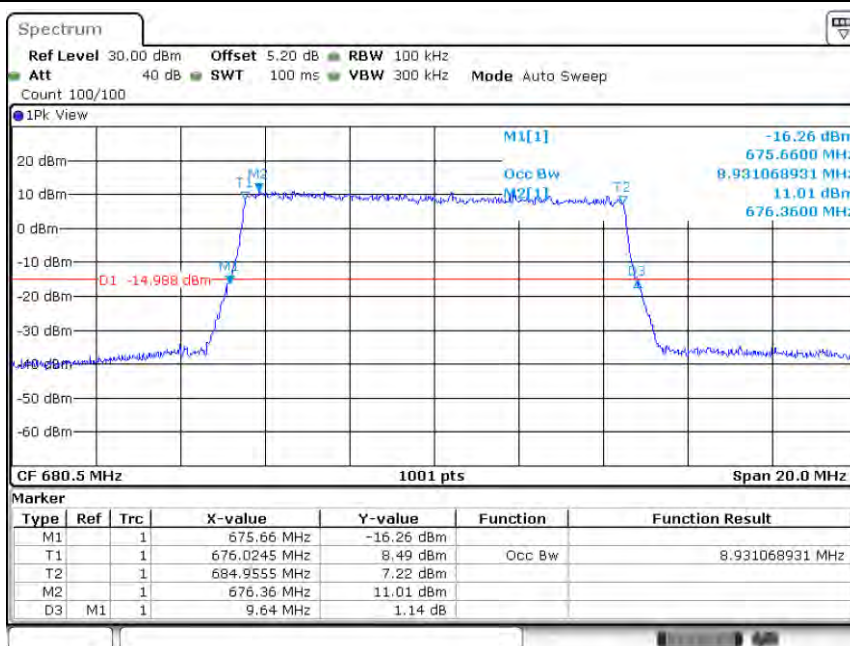


Band71-10MHz-256QAM-133172-50RB#0-8.951



Date: 5.MAY.2021 04:02:35

Band71-10MHz-256QAM-133297-50RB#0-8.931



Date: 5.MAY.2021 04:02:55

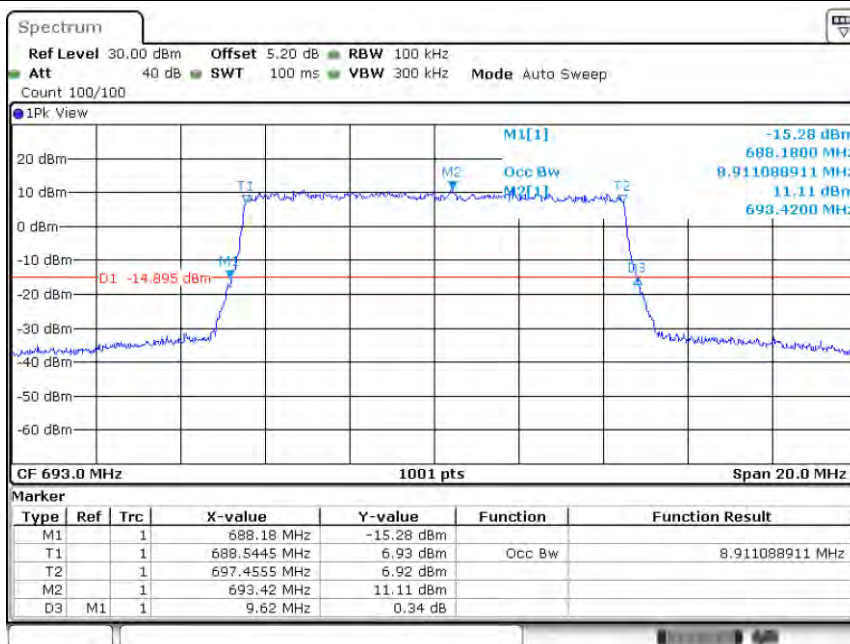


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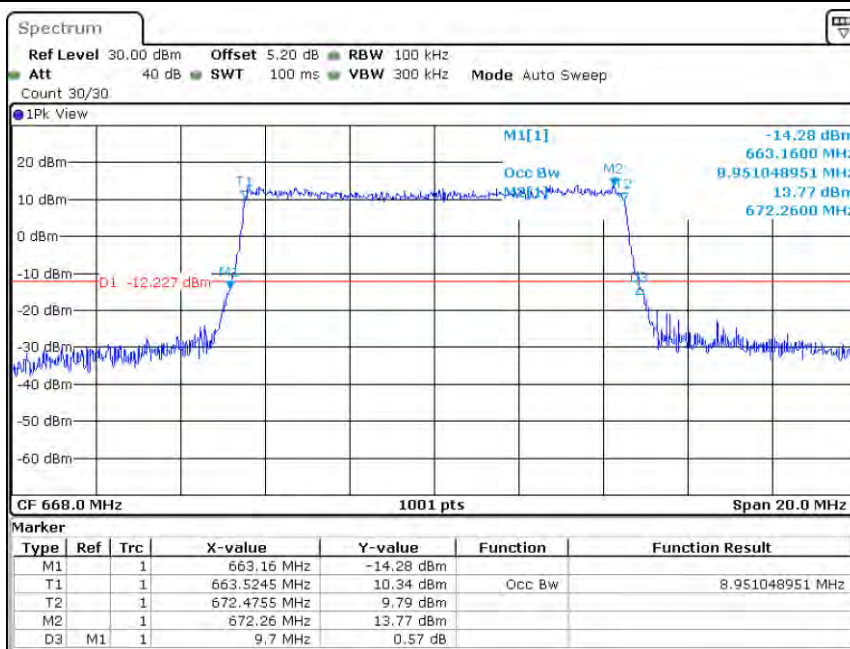


Band71-10MHz-256QAM-133422-50RB#0-8.911



Date: 5.MAY.2021 04:03:15

Band71-10MHz-16QAM-133172-50RB#0-8.951



Date: 16.MAY.2021 13:46:52



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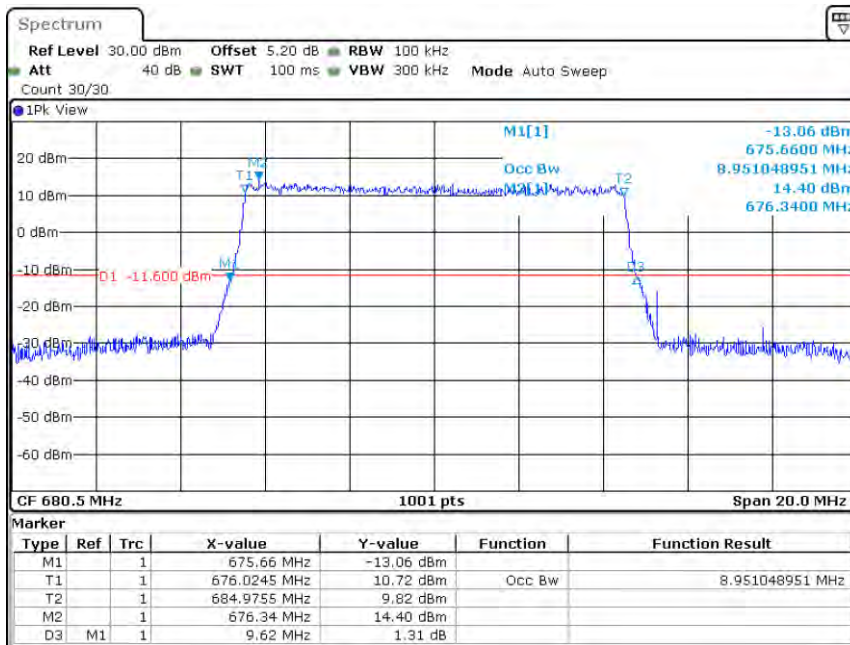
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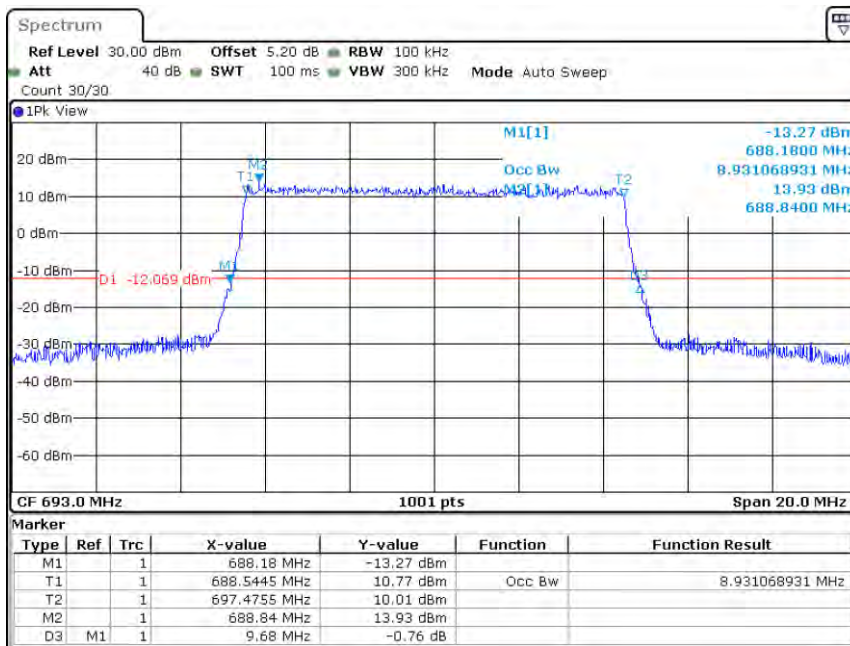


Band71-10MHz-16QAM-133297-50RB#0-8.951



Date: 16.MAY.2021 13:47:18

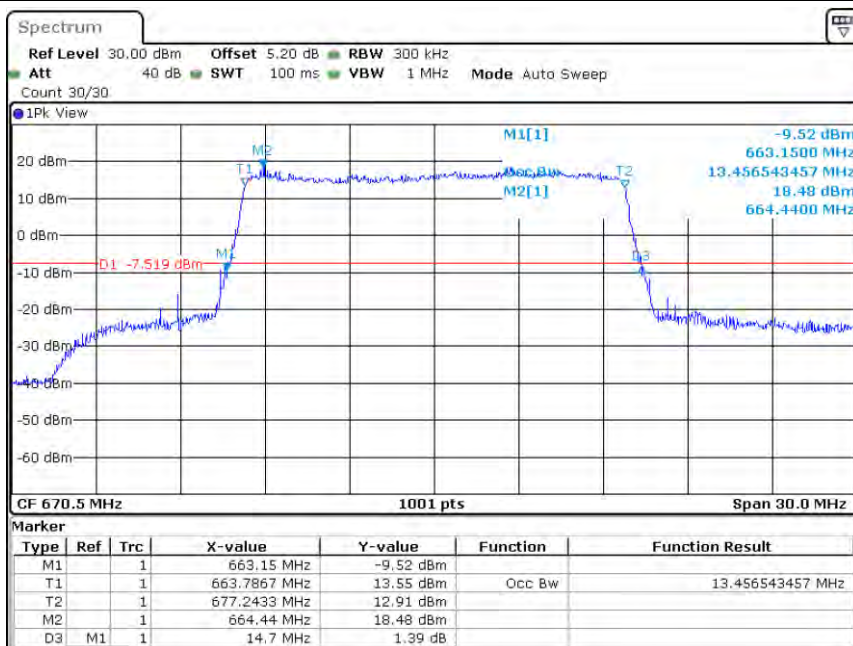
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Date: 16.MAY.2021 13:47:44

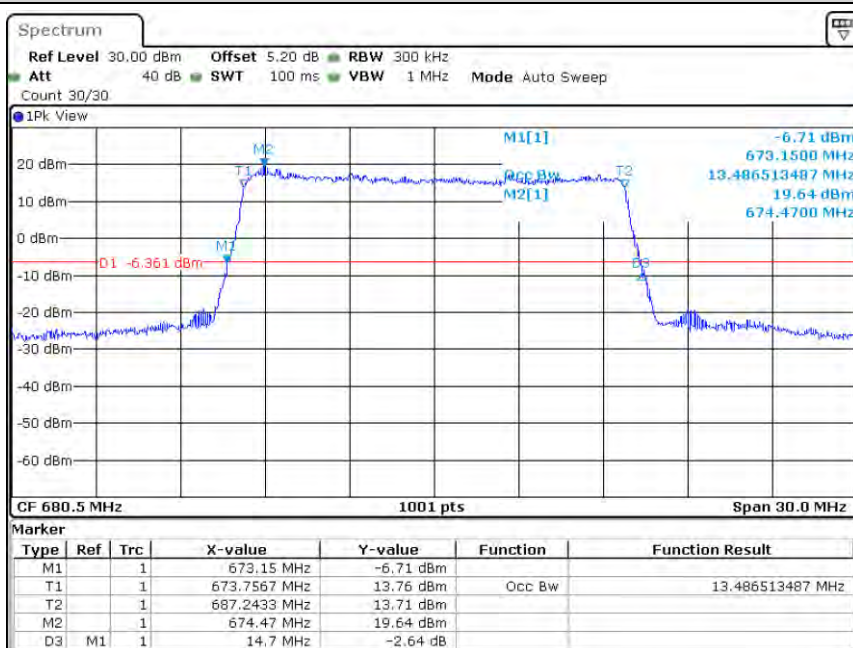


Band71-15MHz-QPSK-133197-75RB#0-13.457



Date: 16.MAY.2021 13:48:03

Band71-15MHz-QPSK-133297-75RB#0-13.487

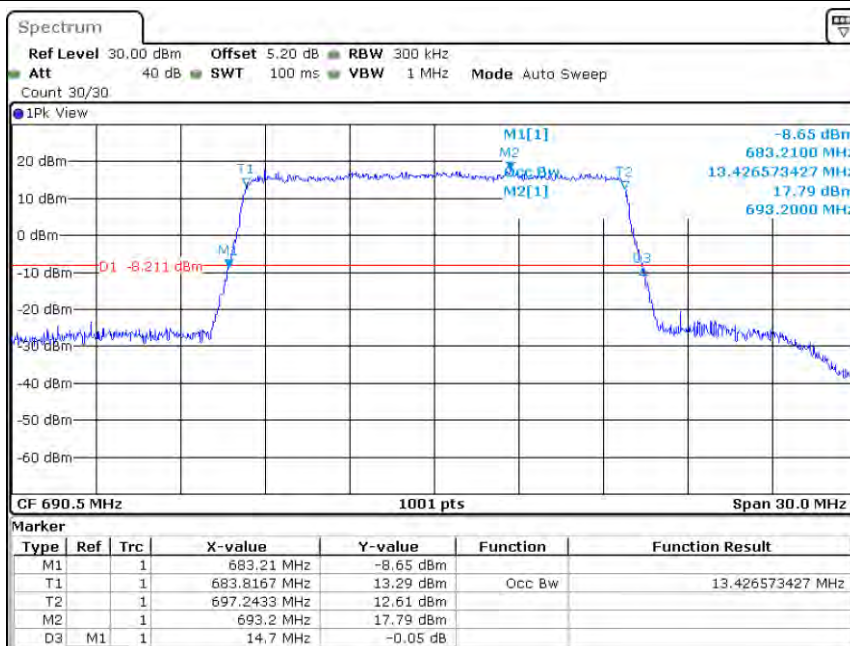


Date: 16.MAY.2021 13:48:28



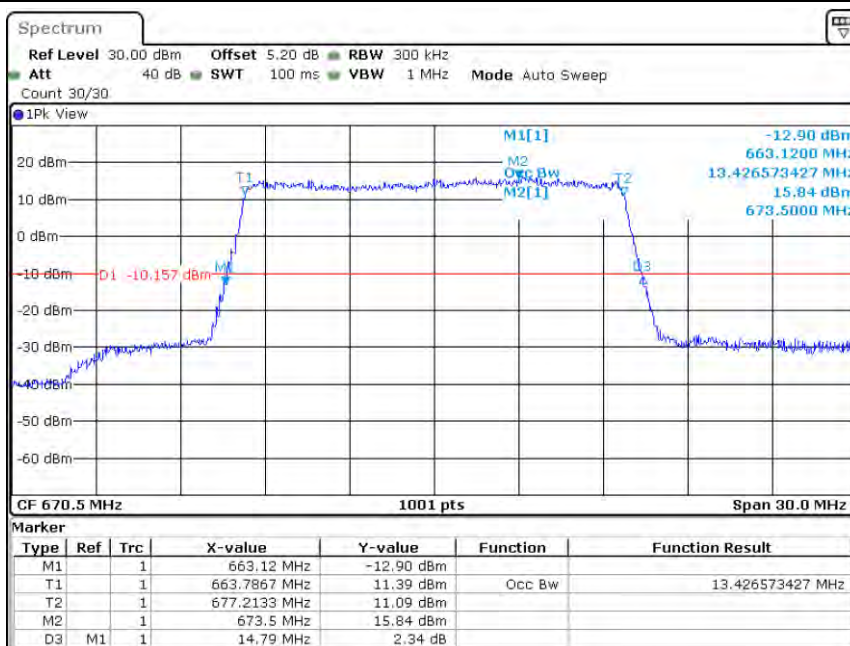


Band71-15MHz-QPSK-133397-75RB#0-13.427



Date: 16.MAY.2021 13:48:54

Band71-15MHz-64QAM-133197-75RB#0-13.427



Date: 17.MAY.2021 00:41:26

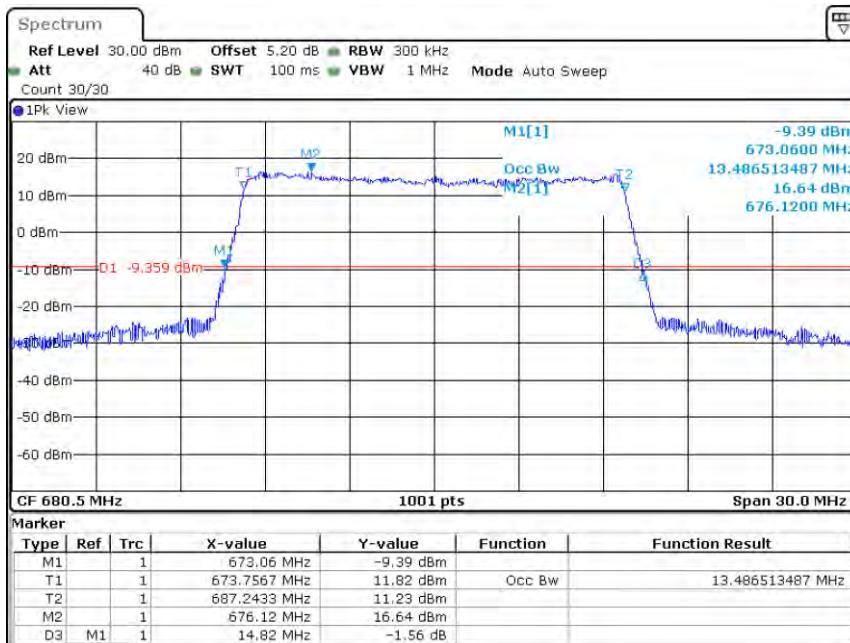


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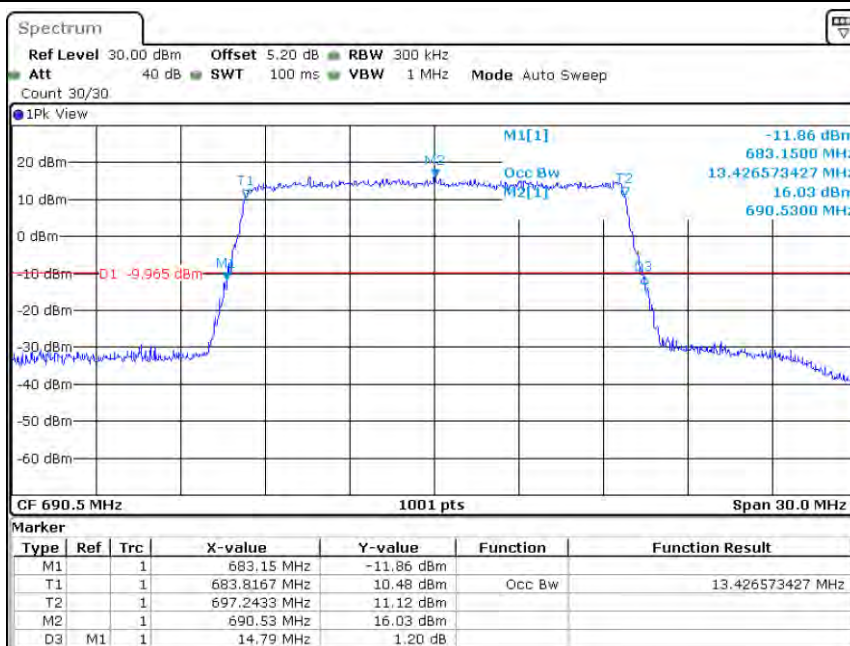


Band71-15MHz-64QAM-133297-75RB#0-13.487



Date: 17.MAY.2021 00:41:39

Band71-15MHz-64QAM-133397-75RB#0-13.427



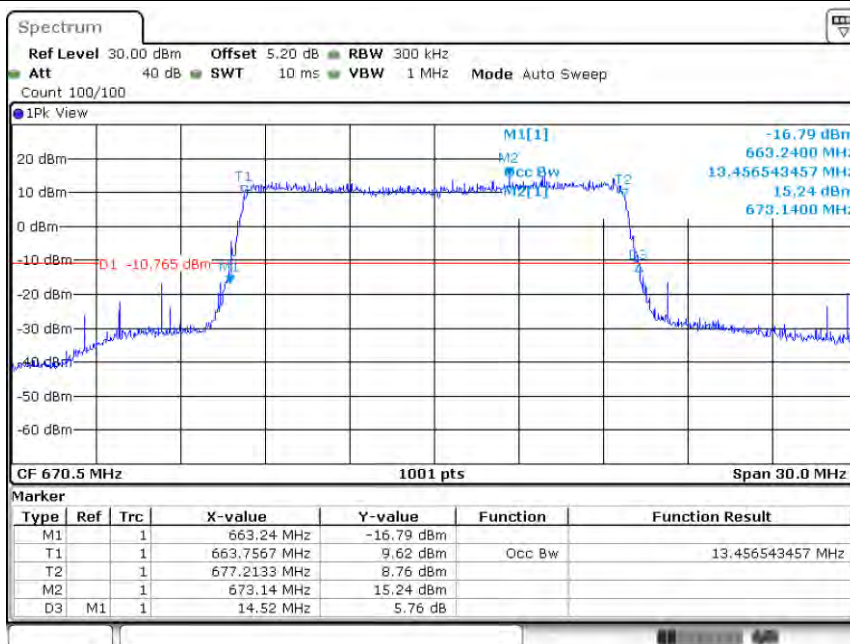
Date: 17.MAY.2021 00:41:52



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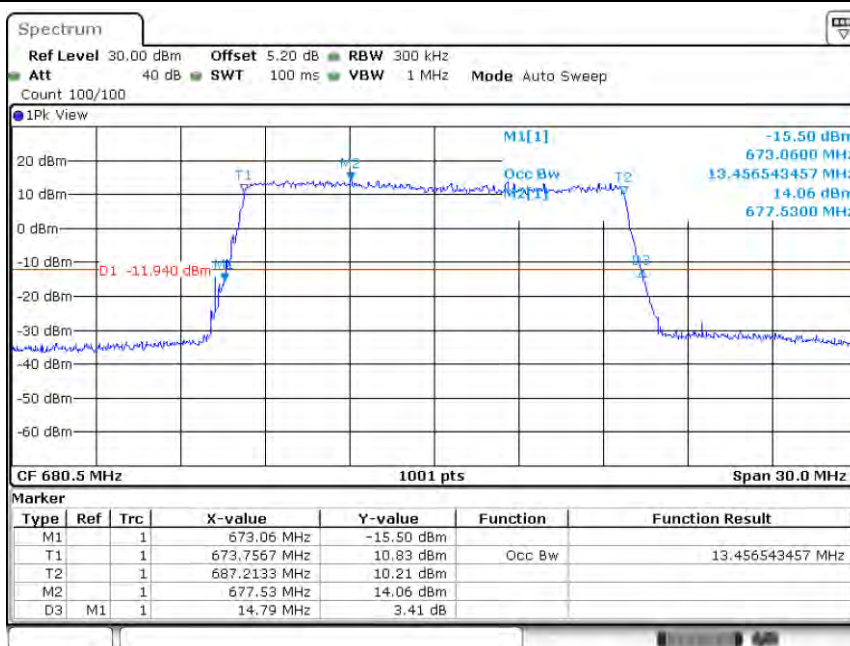
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Band71-15MHz-256QAM-133197-75RB#0-13.457



Date: 5.MAY.2021 04:07:41

Band71-15MHz-256QAM-133297-75RB#0-13.457

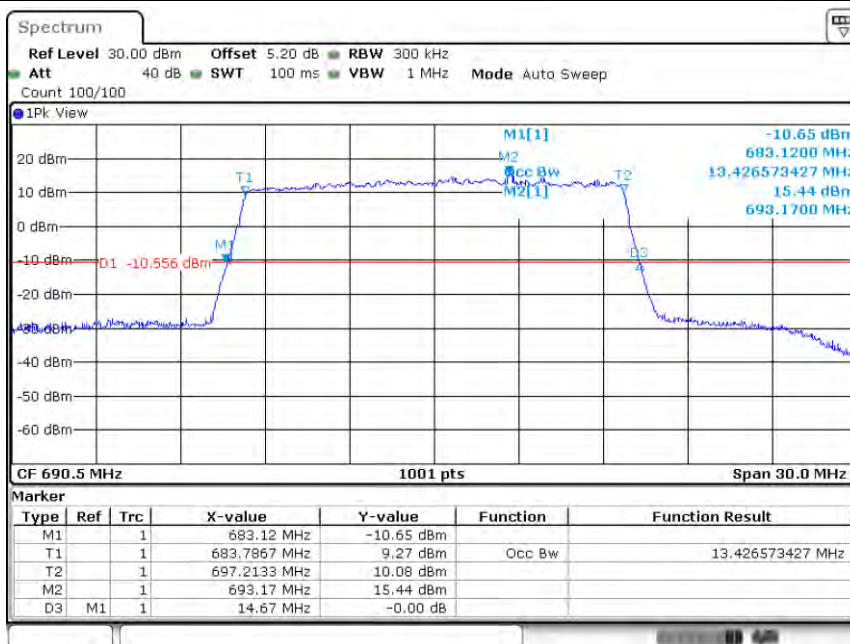


Date: 5.MAY.2021 04:08:01



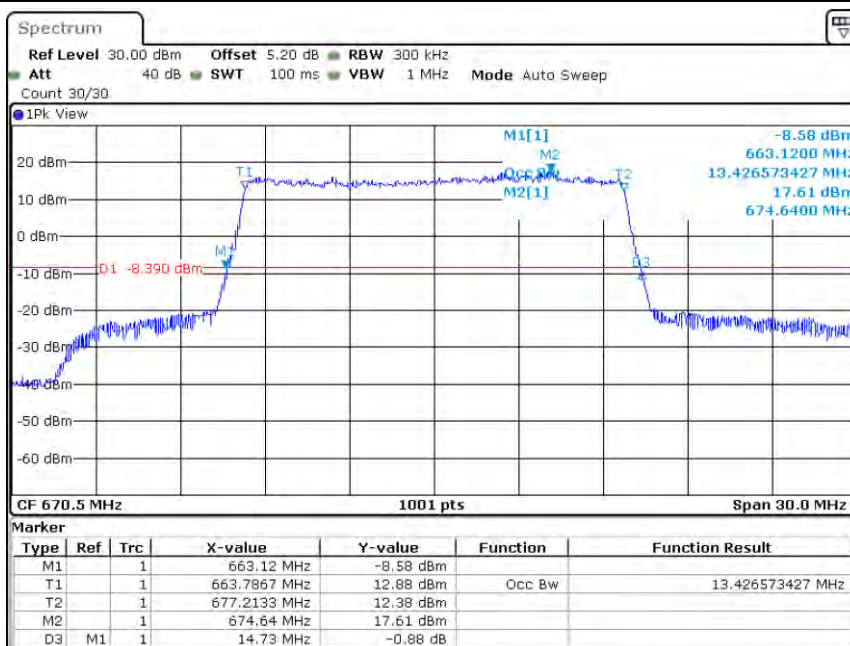


Band71-15MHz-256QAM-133397-75RB#0-13.427



Date: 5.MAY.2021 04:08:21

Band71-15MHz-16QAM-133197-75RB#0-13.427



Date: 16.MAY.2021 13:48:15

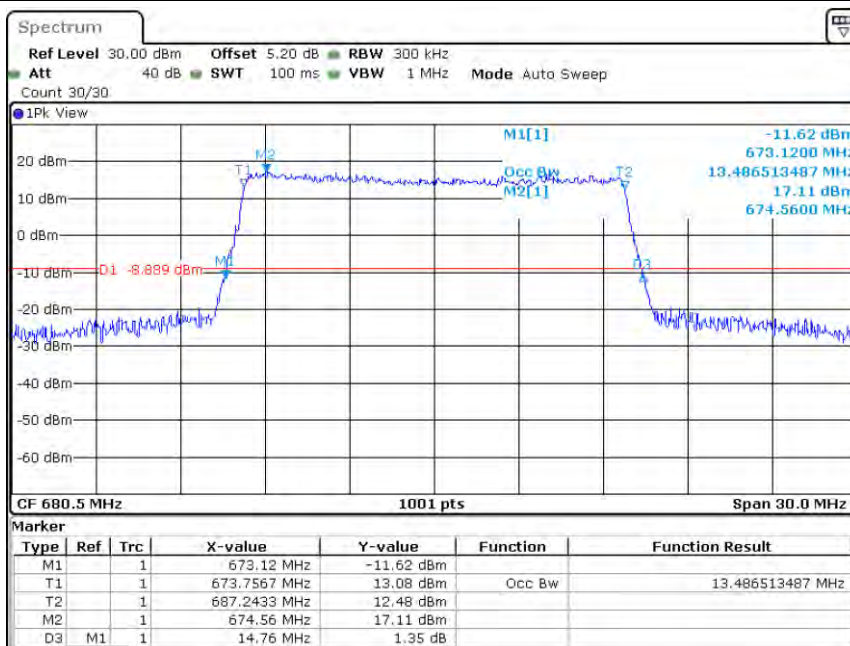


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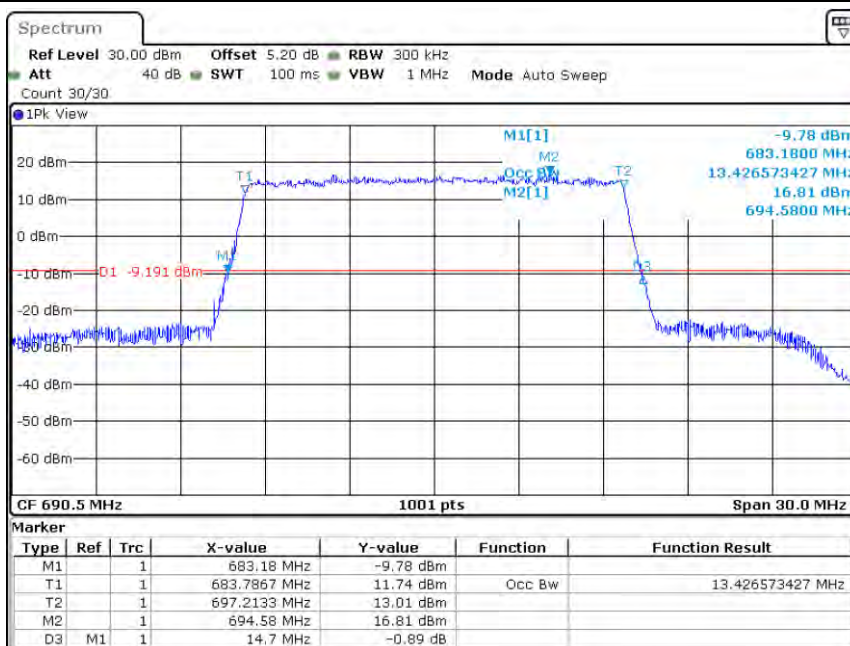


Band71-15MHz-16QAM-133297-75RB#0-13.487



Date: 16.MAY.2021 13:48:41

Band71-15MHz-16QAM-133397-75RB#0-13.427



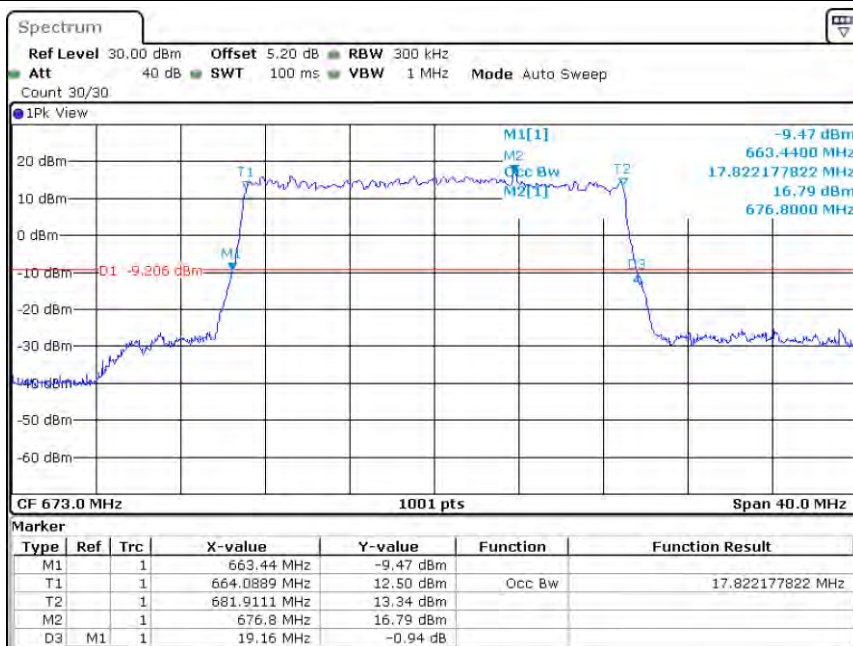
Date: 16.MAY.2021 13:49:06



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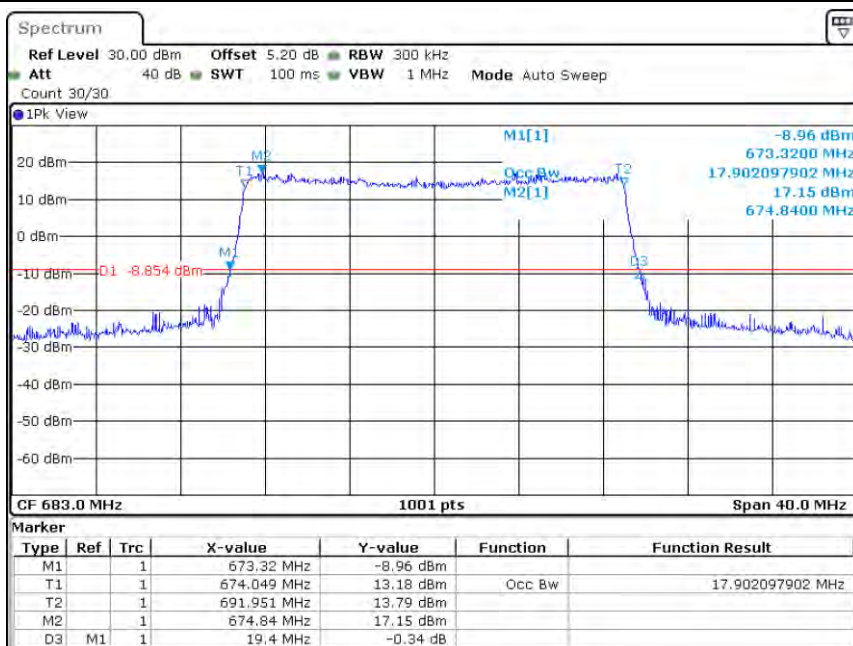
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Band71-20MHz-QPSK-133222-100RB#0-17.822



Date: 16.MAY.2021 13:49:25

Band71-20MHz-QPSK-133322-100RB#0-17.902

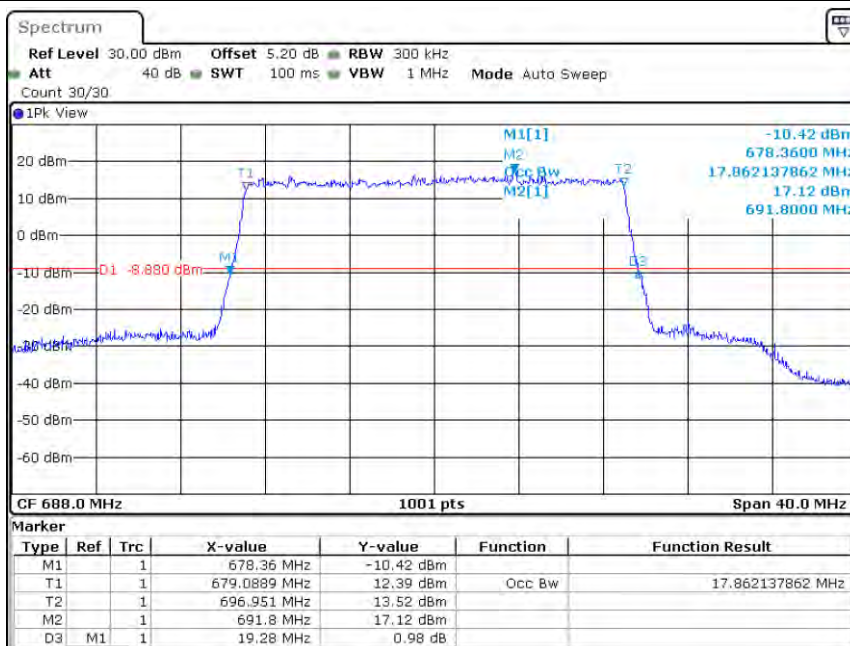


Date: 16.MAY.2021 13:49:51



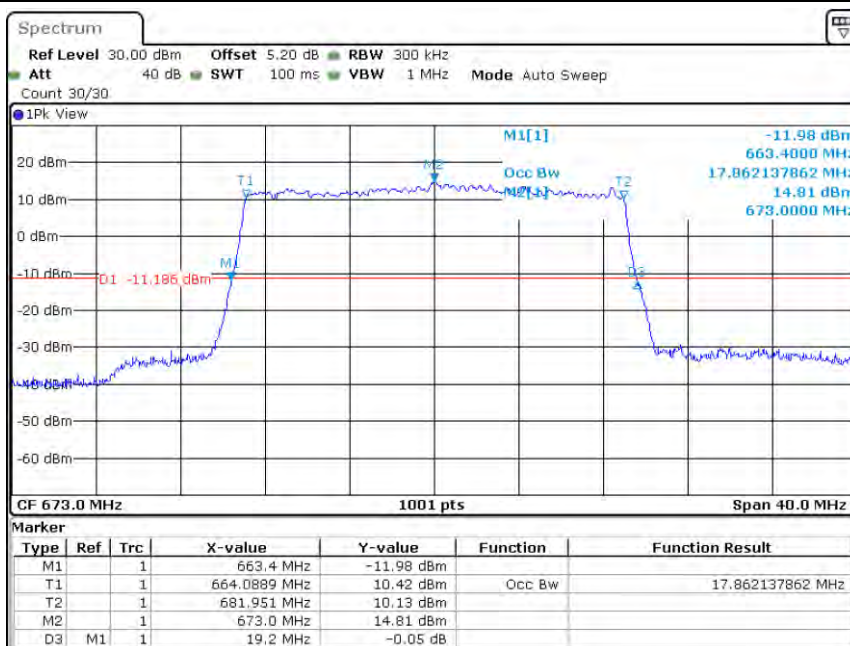


Band71-20MHz-QPSK-133372-100RB#0-17.862



Date: 16.MAY.2021 13:50:17

Band71-20MHz-64QAM-133222-100RB#0-17.862



Date: 17.MAY.2021 00:42:11

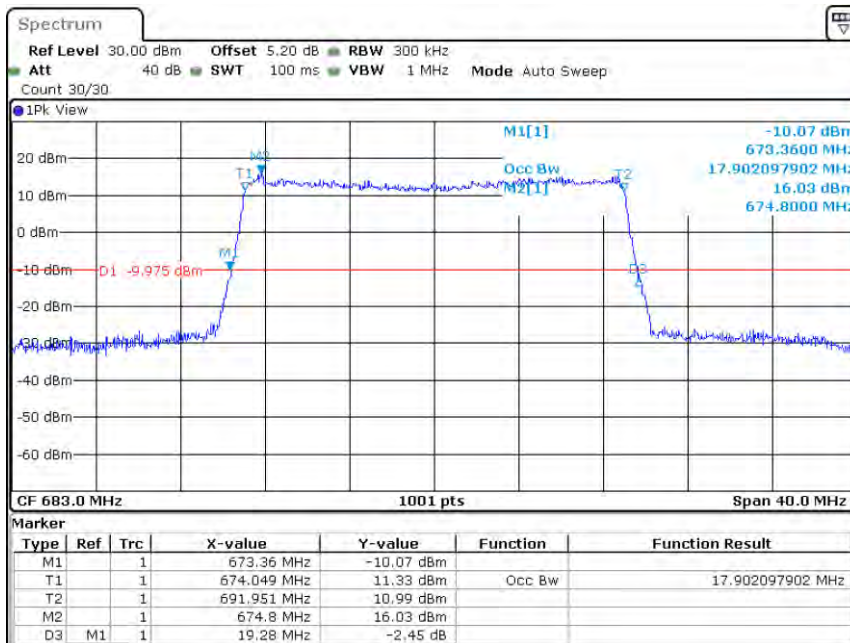


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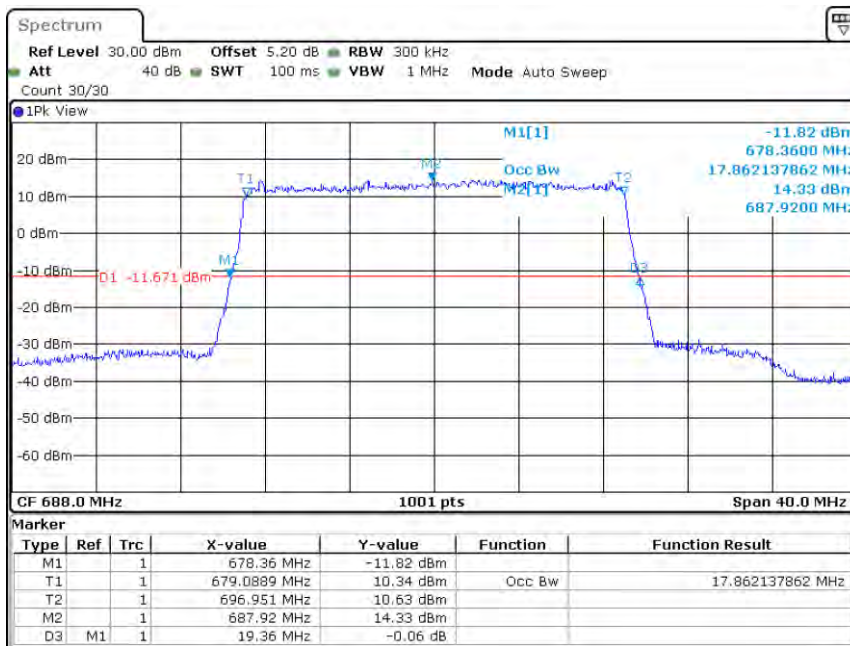


Band71-20MHz-64QAM-133322-100RB#0-17.902



Date: 17.MAY.2021 00:42:24

Band71-20MHz-64QAM-133372-100RB#0-17.862



Date: 17.MAY.2021 00:42:37

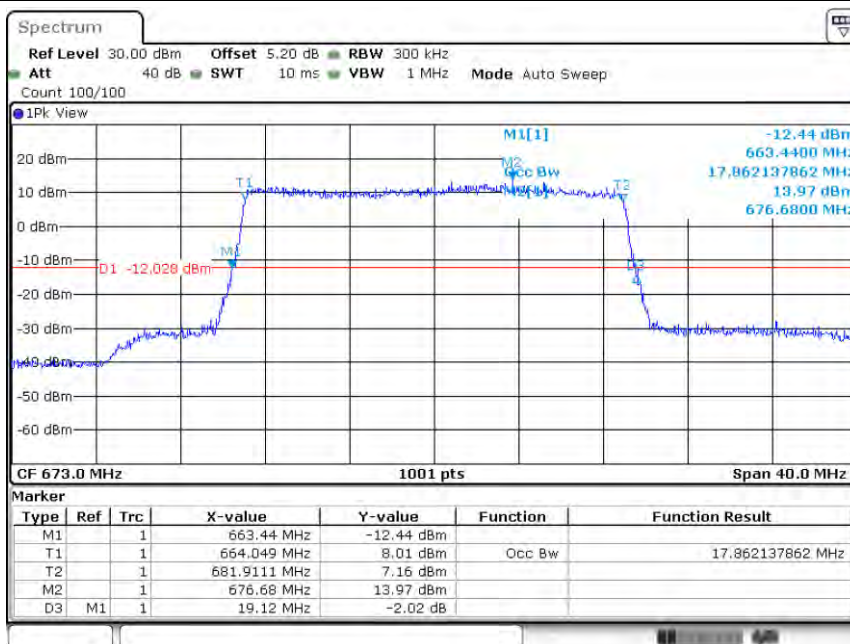


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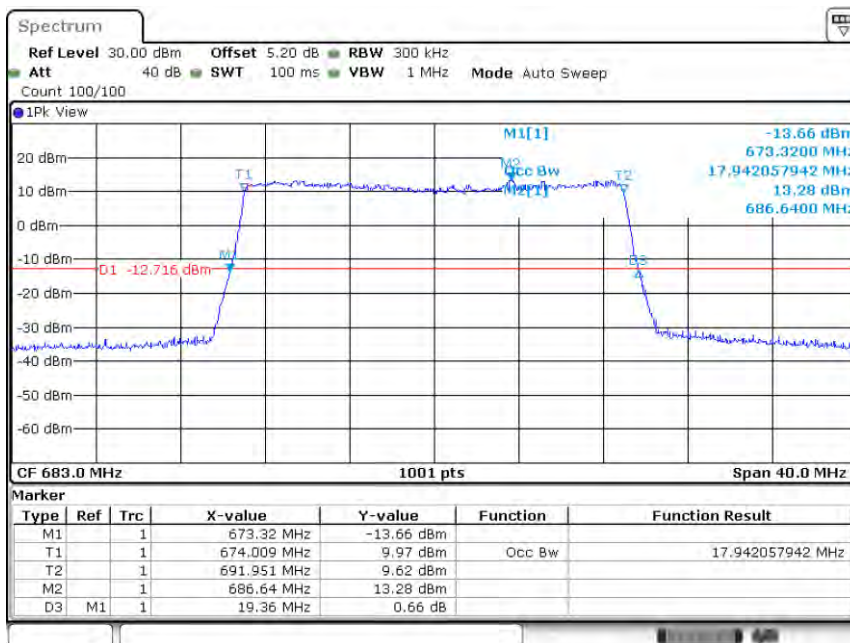


Band71-20MHz-256QAM-133222-100RB#0-17.862



Date: 5.MAY.2021 04:10:06

Band71-20MHz-256QAM-133322-100RB#0-17.942



Date: 5.MAY.2021 04:10:26

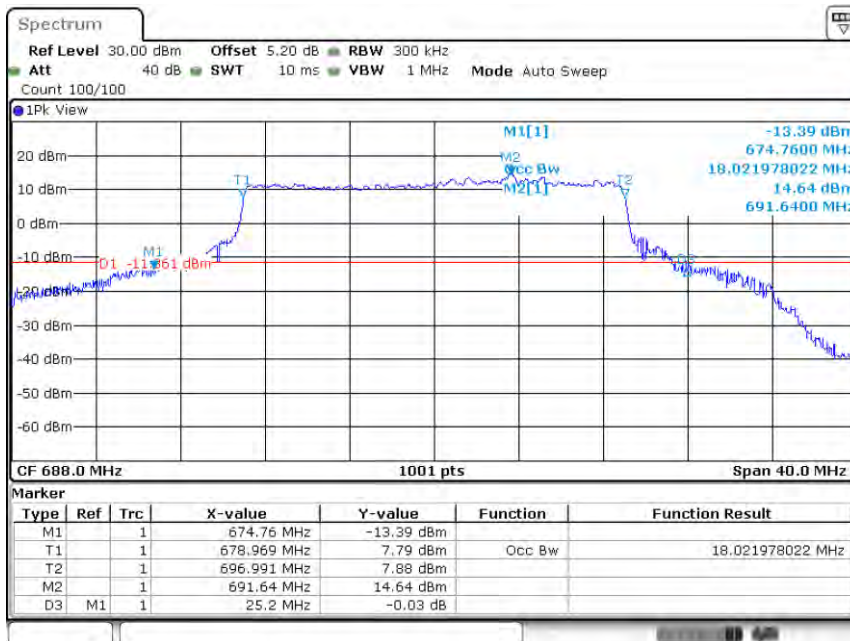


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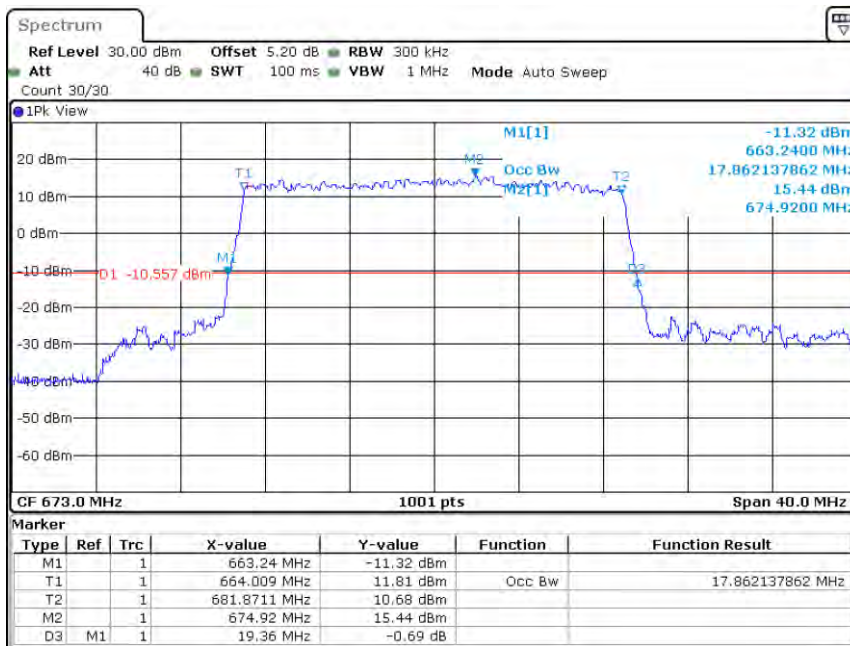


Band71-20MHz-256QAM-133372-100RB#0-18.022



Date: 5.MAY.2021 04:12:17

Band71-20MHz-16QAM-133222-100RB#0-17.862



Date: 16.MAY.2021 13:49:38

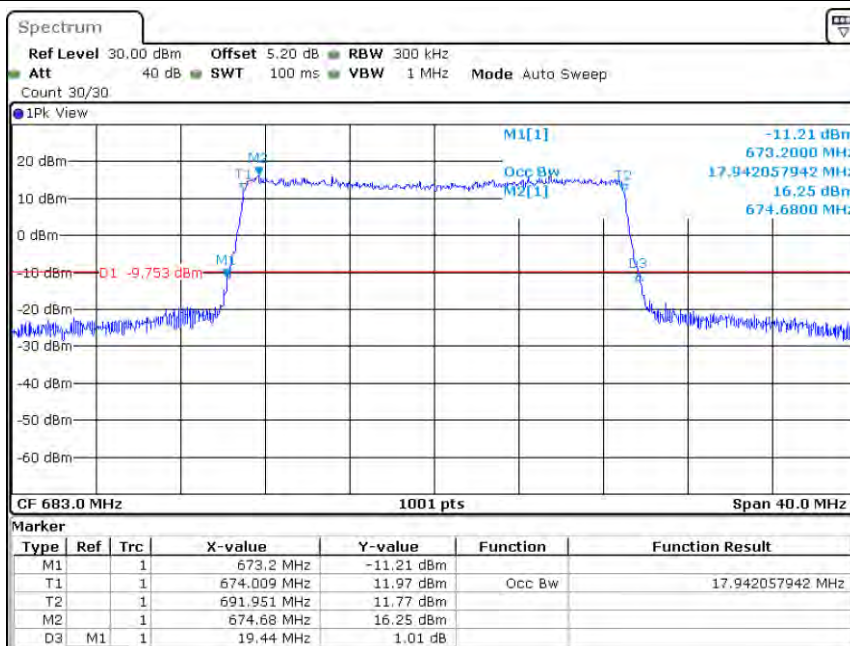


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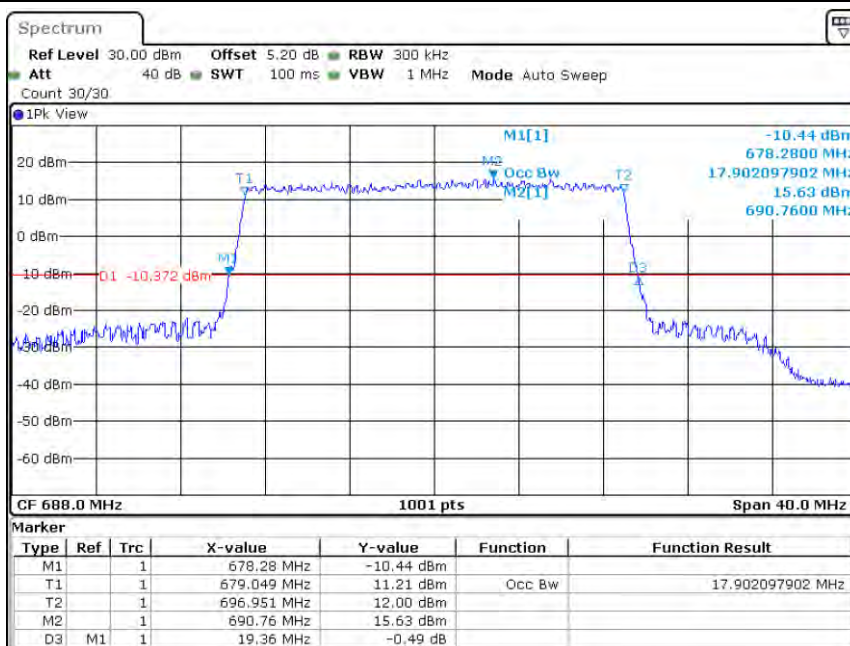


Band71-20MHz-16QAM-133322-100RB#0-17.942



Date: 16.MAY.2021 13:50:04

Band71-20MHz-16QAM-133372-100RB#0-17.902



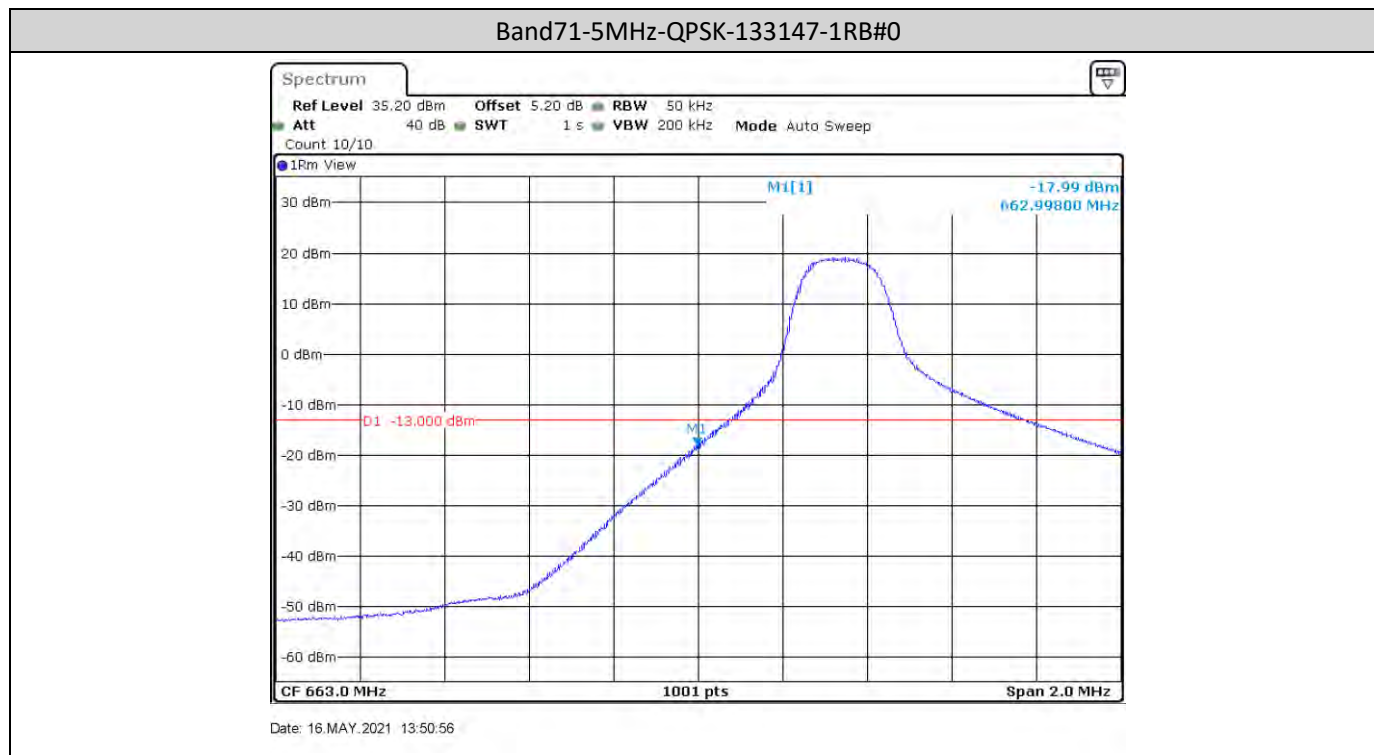
Date: 16.MAY.2021 13:50:29





5. Band Edge Compliance

5.1. Test Plots





Band71-5MHz-QPSK-133147-25RB#0



Date: 16.MAY.2021 13:51:37

Band71-5MHz-QPSK-133447-1RB#24



Date: 16.MAY.2021 13:52:22

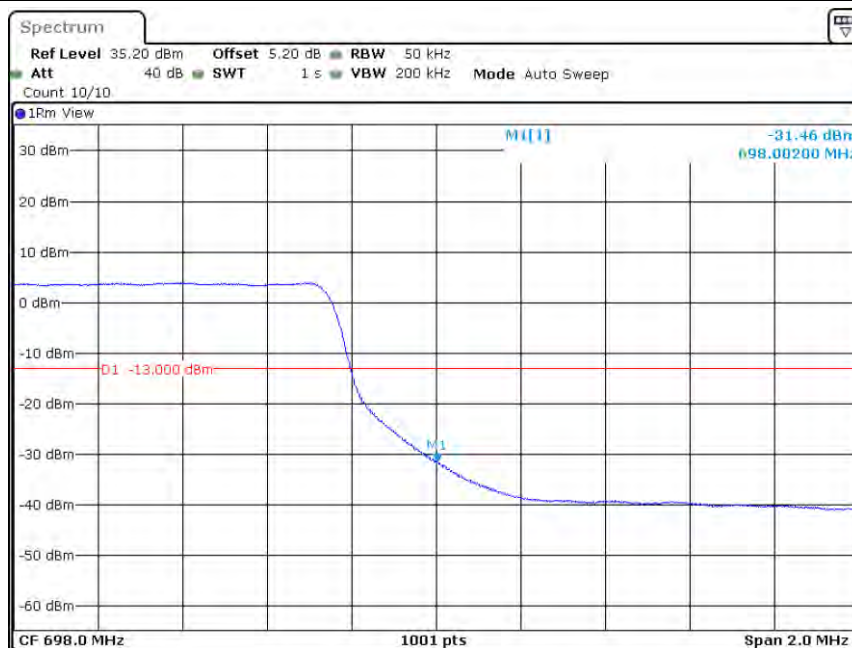


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Band71-5MHz-QPSK-133447-25RB#0



Date: 16.MAY.2021 13:53:04

Band71-10MHz-QPSK-133172-1RB#0



Date: 16.MAY.2021 13:53:51



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Band71-10MHz-QPSK-133172-50RB#0



Date: 16.MAY.2021 13:54:32

Band71-10MHz-QPSK-133422-1RB#49



Date: 16.MAY.2021 13:55:19

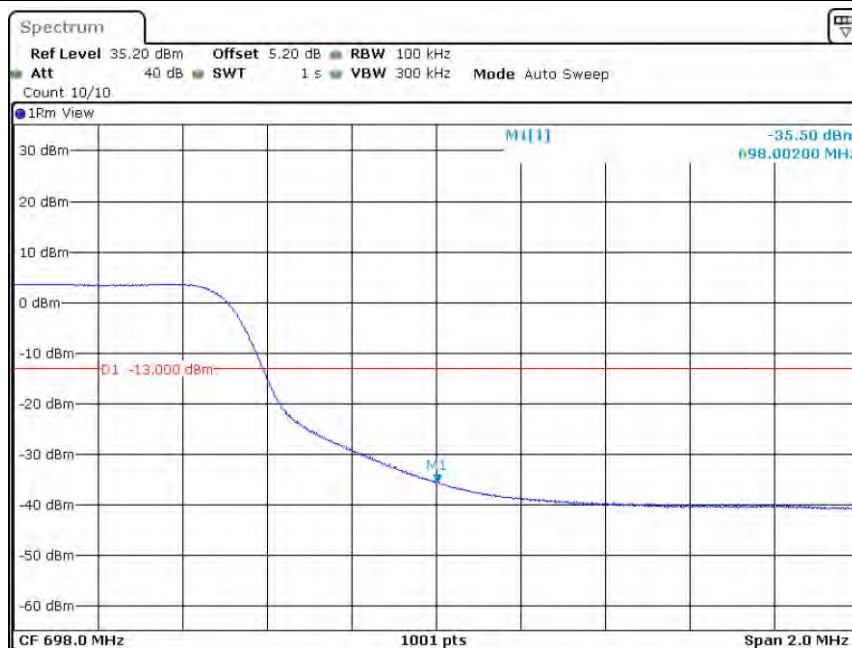


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Band71-10MHz-QPSK-133422-50RB#0



Date: 16 MAY.2021 13:56:00

Band71-15MHz-QPSK-133197-75RB#0



Date: 16 MAY.2021 13:57:28

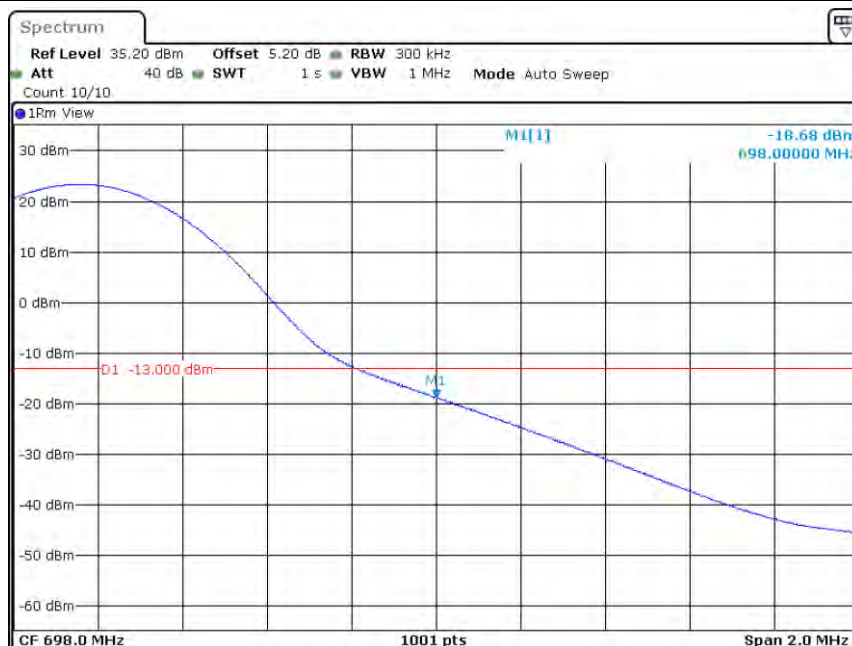


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Band71-15MHz-QPSK-133397-1RB#74



Date: 16.MAY.2021 13:58:13

Band71-15MHz-QPSK-133397-75RB#0



Date: 16.MAY.2021 13:58:55



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Band71-15MHz-64QAM-133197-1RB#0



Date: 17.MAY.2021 00:46:13

Band71-20MHz-QPSK-133222-1RB#0



Date: 16.MAY.2021 13:59:42



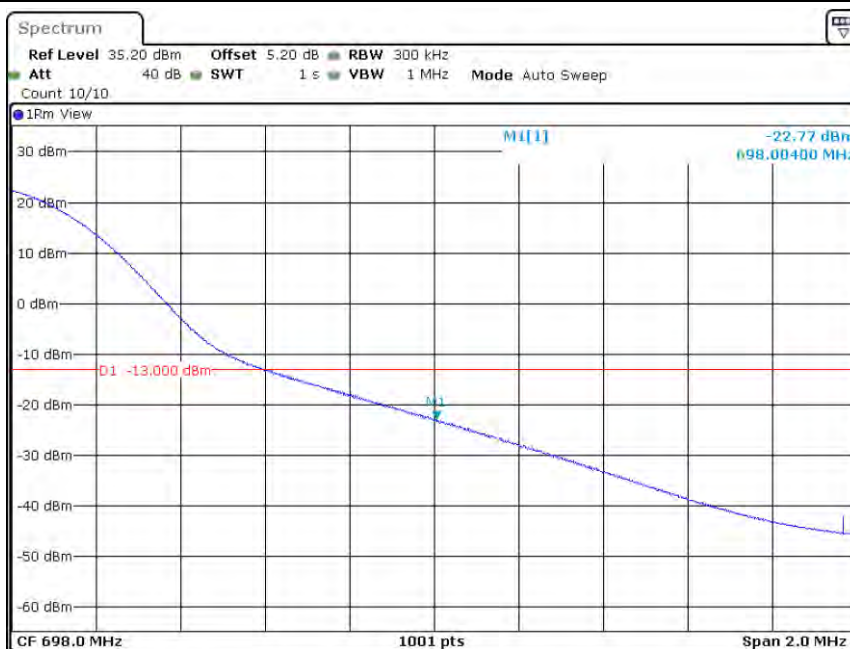


Band71-20MHz-QPSK-133222-100RB#0



Date: 16.MAY.2021 14:00:23

Band71-20MHz-QPSK-133372-1RB#99



Date: 16.MAY.2021 14:01:09



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Band71-20MHz-QPSK-133372-100RB#0



Date: 16.MAY.2021 14:01:50



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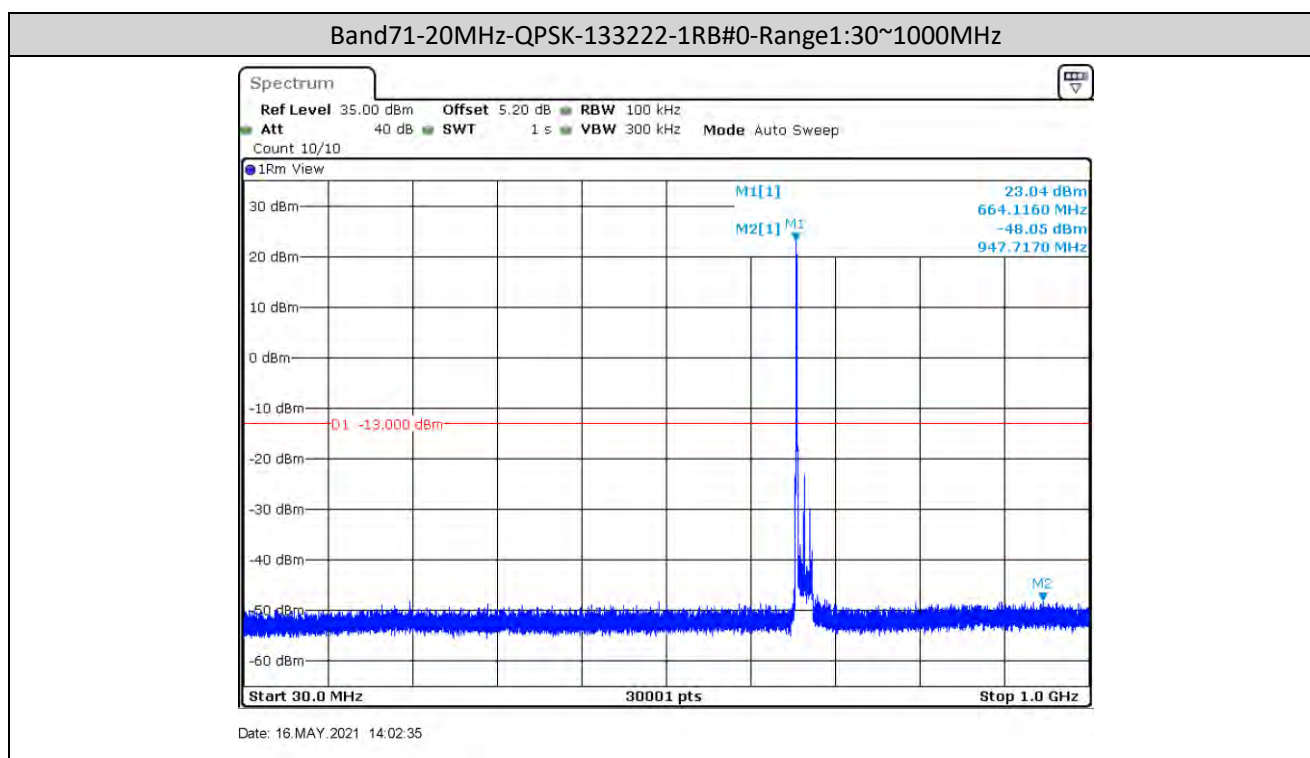
6. Spurious Emission at Antenna Terminal

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



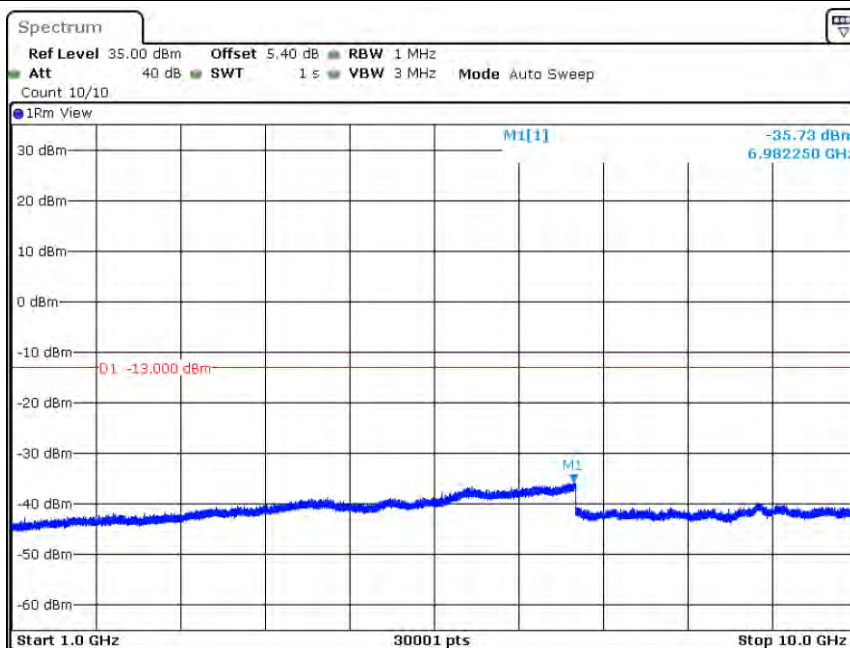
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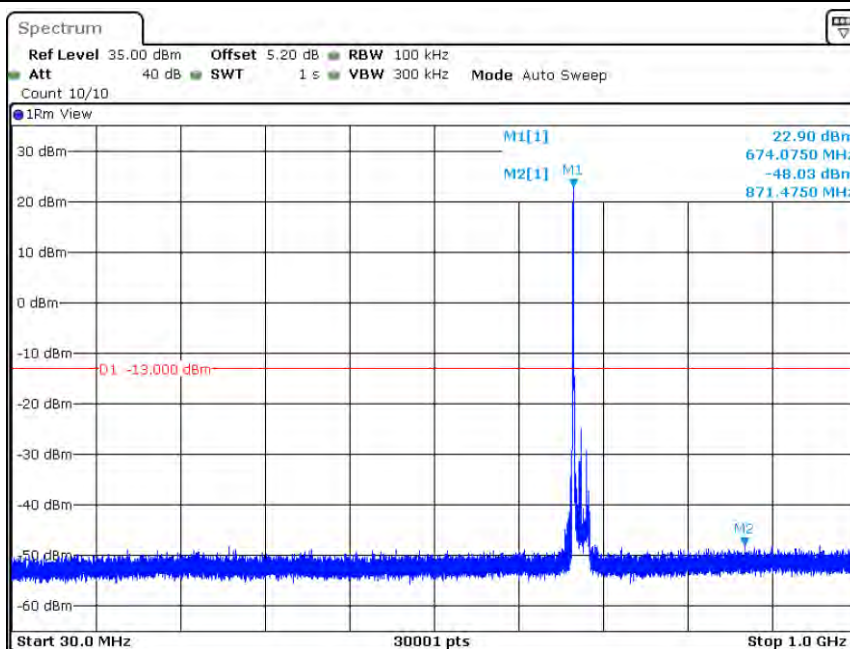
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Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 14:02:51

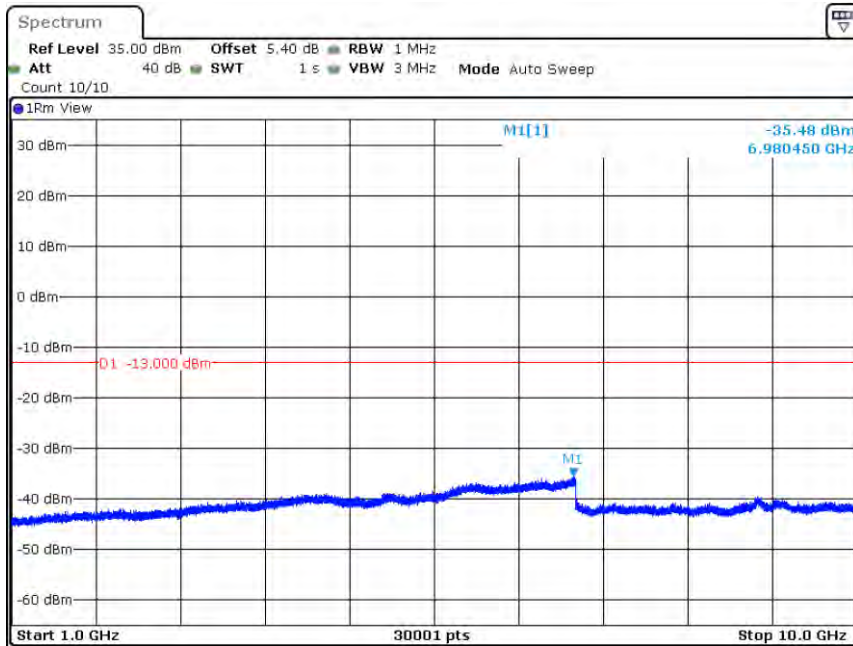
Band71-20MHz-QPSK-133222-1RB#0-Range1:30~1000MHz



Date: 16.MAY.2021 14:03:45

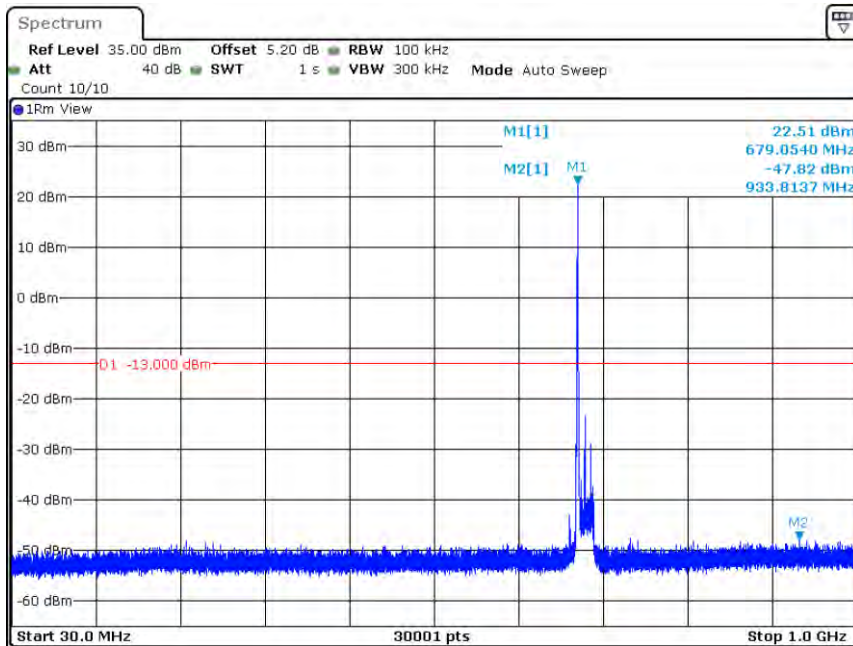


Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 14:04:01

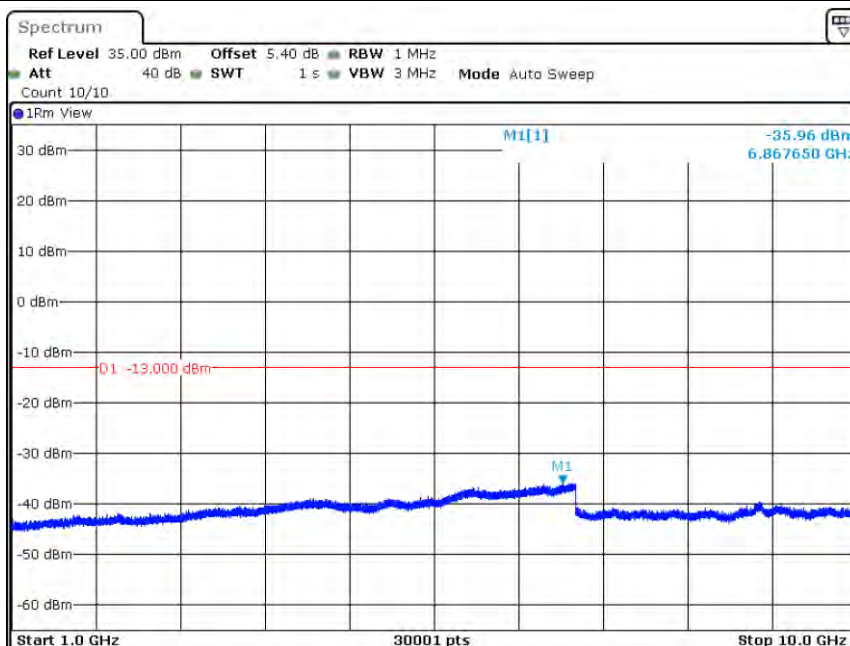
Band71-20MHz-QPSK-133372-1RB#0-Range1:30~1000MHz



Date: 16.MAY.2021 14:04:56



Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 14:05:11



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7. Field Strength of Spurious Radiation

7.1. Test Band = Band 71

7.1.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1562.6281	36.21	-53.10	-13.00	40.10	Horizontal
2	2343.7672	30.94	-55.71	-13.00	42.71	Horizontal
3	2982.7991	29.52	-53.44	-13.00	40.44	Horizontal
4	5673.1337	49.10	-58.03	-13.00	45.03	Horizontal
5	13041.502	44.71	-47.98	-13.00	34.98	Horizontal
6	17985.749	47.42	-46.16	-13.00	33.16	Horizontal



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7.2. Test Band = Band 71

7.2.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1562.6281	37.82	-51.49	-13.00	38.49	Vertical
2	2343.6672	34.15	-52.50	-13.00	39.50	Vertical
3	2988.5994	29.58	-53.35	-13.00	40.35	Vertical
4	6249.9125	49.88	-56.28	-13.00	43.28	Vertical
5	7968.9985	50.69	-51.25	-13.00	38.25	Vertical
6	17981.249	46.63	-46.86	-13.00	33.86	Vertical



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7.3. Test Band = _Band71

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.0076	23.60	-66.25	-13.00	53.25	Horizontal
2	1882.6441	23.84	-64.67	-13.00	51.67	Horizontal
3	2974.1987	24.04	-61.59	-13.00	48.59	Horizontal
4	3921.9461	53.67	-63.26	-13.00	50.26	Horizontal
5	7529.9265	50.50	-53.60	-13.00	40.60	Horizontal
6	9598.5299	48.71	-50.55	-13.00	37.55	Horizontal



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7.4. Test Band = _Band71

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1150.0075	24.42	-65.43	-13.00	52.43	Vertical
2	1904.8452	24.10	-64.33	-13.00	51.33	Vertical
3	2975.3988	24.17	-61.46	-13.00	48.46	Vertical
4	3757.4379	54.34	-63.15	-13.00	50.15	Vertical
5	5521.8761	52.87	-57.39	-13.00	44.39	Vertical
6	9090.3045	49.56	-51.51	-13.00	38.51	Vertical



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7.5. Test Band = Band 71

7.5.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1562.4281	36.41	-52.90	-13.00	39.90	Horizontal
2	2343.7672	30.82	-55.83	-13.00	42.83	Horizontal
3	2990.3995	29.27	-53.65	-13.00	40.65	Horizontal
4	4245.0623	50.06	-62.59	-13.00	49.59	Horizontal
5	7956.2478	47.60	-54.40	-13.00	41.40	Horizontal
6	17993.249	46.35	-47.39	-13.00	34.39	Horizontal



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7.6. Test Band = Band 71

7.6.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1562.5281	38.09	-51.22	-13.00	38.22	Vertical
2	1718.6359	36.87	-52.14	-13.00	39.14	Vertical
3	2998.0999	29.29	-53.59	-13.00	40.59	Vertical
4	6249.9125	50.40	-55.76	-13.00	42.76	Vertical
5	7968.9985	50.15	-51.79	-13.00	38.79	Vertical
6	17993.999	45.98	-47.77	-13.00	34.77	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	VL	NT	3.50	0.005201	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	-4.40	-0.006538	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-1.30	-0.001932	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	5.40	0.007906	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	4.20	0.006149	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VL	NT	2.50	0.003634	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	3.40	0.004942	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	-1.60	-0.002326	±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
Band71	20MHz	QPSK	133222	100RB#0	NV	-30	-0.20	-0.000297	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-20	-0.90	-0.001337	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-10	4.20	0.006241	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-3.40	-0.005052	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	10	0.50	0.000743	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	-3.90	-0.005795	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-5.50	-0.008172	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	-3.70	-0.005498	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	4.80	0.007028	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	3.50	0.005124	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-2.60	-0.003807	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	0.20	0.000293	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	3.40	0.004978	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	4.20	0.006149	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-3.60	-0.005271	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	3.50	0.005124	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	5.20	0.007613	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	8.50	0.012355	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	7.10	0.010320	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-10	-6.80	-0.009884	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	0.70	0.001017	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	-2.10	-0.003052	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	-1.80	-0.002616	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	30	-2.50	-0.003634	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	40	0.10	0.000145	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	50	8.70	0.012645	±2.5	PASS

