



Appendix B

E-UTRA Band 71



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Ant6:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.14	17.09	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.03	16.98	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.00	16.95	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.17	16.12	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.17	16.12	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.14	16.09	36.98	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.15	16.1	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.04	16.99	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.94	16.89	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.92	16.87	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.01	15.96	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#0	21.81	15.76	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.01	15.96	36.98	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.98	15.93	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.90	16.85	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.90	16.85	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.81	16.76	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.00	15.95	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#13	21.98	15.93	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.03	15.98	36.98	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.02	15.97	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.51	16.46	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.14	16.09	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.92	15.87	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#6	21.20	15.15	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#13	21.17	15.12	36.98	PASS



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Band71	5MHz	64QAM	133147	12RB#0	21.27	15.22	36.98	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.14	15.09	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.68	16.63	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.13	16.08	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.60	16.55	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#13	21.25	15.2	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#0	20.99	14.94	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#6	21.25	15.2	36.98	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.06	15.01	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.60	16.55	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.12	16.07	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.07	16.02	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#0	21.05	15	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#6	21.05	15	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#13	21.07	15.02	36.98	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.04	14.99	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#12	21.55	15.5	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#24	20.82	14.77	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.04	14.99	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.16	14.11	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.07	14.02	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#13	19.97	13.92	36.98	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.12	14.07	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.35	15.3	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#12	20.98	14.93	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.57	15.52	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#6	20.07	14.02	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#0	19.90	13.85	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#13	19.98	13.93	36.98	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.09	14.04	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.20	15.15	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.02	14.97	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.24	15.19	36.98	PASS



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Band71	5MHz	16QAM	133447	12RB#0	20.05	14	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#6	19.94	13.89	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.19	14.14	36.98	PASS
Band71	5MHz	16QAM	133447	25RB#0	19.92	13.87	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.72	16.67	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.07	17.02	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.04	16.99	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.16	16.11	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.20	16.15	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#25	21.99	15.94	36.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.13	16.08	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.97	16.92	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.98	16.93	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.92	16.87	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.11	16.06	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.09	16.04	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.09	16.04	36.98	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.04	15.99	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.95	16.9	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.04	16.99	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.89	16.84	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.06	16.01	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.01	15.96	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.09	16.04	36.98	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.02	15.97	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.33	16.28	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.67	16.62	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.50	16.45	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#25	21.14	15.09	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#12	21.15	15.1	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#0	21.07	15.02	36.98	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.10	15.05	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.05	16	36.98	PASS



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Band71	10MHz	64QAM	133297	1RB#24	22.30	16.25	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.11	16.06	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#0	21.05	15	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#12	21.14	15.09	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#25	21.21	15.16	36.98	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.16	15.11	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.47	16.42	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.52	16.47	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.14	16.09	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#0	21.12	15.07	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#12	21.09	15.04	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#25	21.06	15.01	36.98	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.02	14.97	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.52	15.47	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#0	20.79	14.74	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#49	20.99	14.94	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.16	14.11	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.06	14.01	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#25	19.96	13.91	36.98	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.15	14.1	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.35	15.3	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#0	20.97	14.92	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.59	15.54	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.07	14.02	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#12	19.86	13.81	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.00	13.95	36.98	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.08	14.03	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.20	15.15	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#0	20.99	14.94	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.27	15.22	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#0	20.05	14	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#25	19.97	13.92	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.20	14.15	36.98	PASS



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Band71	10MHz	16QAM	133422	50RB#0	19.90	13.85	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.03	16.98	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.88	16.83	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.04	16.99	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#0	22.15	16.1	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#39	22.15	16.1	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#18	22.06	16.01	36.98	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.05	16	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.13	17.08	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.95	16.9	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.92	16.87	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#0	22.00	15.95	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#39	22.04	15.99	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#18	22.17	16.12	36.98	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.09	16.04	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.92	16.87	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.90	16.85	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.09	17.04	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#0	22.09	16.04	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#18	22.06	16.01	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#39	22.09	16.04	36.98	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.09	16.04	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.58	16.53	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.87	15.82	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.12	16.07	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#39	21.26	15.21	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#18	21.14	15.09	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#0	21.09	15.04	36.98	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.16	15.11	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.39	16.34	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.06	16.01	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.63	16.58	36.98	PASS
Band71	15MHz	64QAM	133297	36RB#18	21.16	15.11	36.98	PASS



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Band71	15MHz	64QAM	133297	36RB#39	20.94	14.89	36.98	PASS
Band71	15MHz	64QAM	133297	36RB#0	21.06	15.01	36.98	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.13	15.08	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.27	16.22	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.06	16.01	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.34	16.29	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#0	21.10	15.05	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#18	20.99	14.94	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#39	21.26	15.21	36.98	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.95	14.9	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.57	15.52	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#38	20.81	14.76	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.00	14.95	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#0	20.16	14.11	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#18	20.09	14.04	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#39	20.00	13.95	36.98	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.10	14.05	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.32	15.27	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#0	20.96	14.91	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.54	15.49	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#39	20.09	14.04	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#0	19.88	13.83	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#18	19.97	13.92	36.98	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.09	14.04	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.16	15.11	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.00	14.95	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.29	15.24	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#39	20.04	13.99	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#18	19.97	13.92	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#0	20.18	14.13	36.98	PASS
Band71	15MHz	16QAM	133397	75RB#0	19.90	13.85	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.01	16.96	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.87	16.82	36.98	PASS



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Band71	20MHz	QPSK	133222	1RB#99	23.07	17.02	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.17	16.12	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.19	16.14	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.09	16.04	36.98	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.03	15.98	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.17	17.12	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.95	16.9	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.92	16.87	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#25	21.99	15.94	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.01	15.96	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.13	16.08	36.98	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.09	16.04	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.90	16.85	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.88	16.83	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.12	17.07	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.05	16	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.06	16.01	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.09	16.04	36.98	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.11	16.06	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.62	16.57	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.89	15.84	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.09	16.04	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#50	21.21	15.16	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#25	21.14	15.09	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#0	21.05	15	36.98	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.20	15.15	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.40	16.35	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.06	16.01	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.64	16.59	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#50	21.16	15.11	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#0	20.96	14.91	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#25	21.05	15	36.98	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.15	15.1	36.98	PASS



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Band71	20MHz	64QAM	133372	1RB#0	22.26	16.21	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.07	16.02	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.34	16.29	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#50	21.10	15.05	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#0	21.02	14.97	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#25	21.26	15.21	36.98	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.97	14.92	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.54	15.49	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#0	20.80	14.75	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#49	20.99	14.94	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.11	14.06	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.07	14.02	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#50	19.96	13.91	36.98	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.12	14.07	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.33	15.28	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#49	20.99	14.94	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.58	15.53	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#25	20.09	14.04	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#0	19.91	13.86	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#50	19.99	13.94	36.98	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.07	14.02	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.21	15.16	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#49	20.97	14.92	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.28	15.23	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.02	13.97	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#25	19.95	13.9	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#50	20.17	14.12	36.98	PASS
Band71	20MHz	16QAM	133372	100RB#0	19.92	13.87	36.98	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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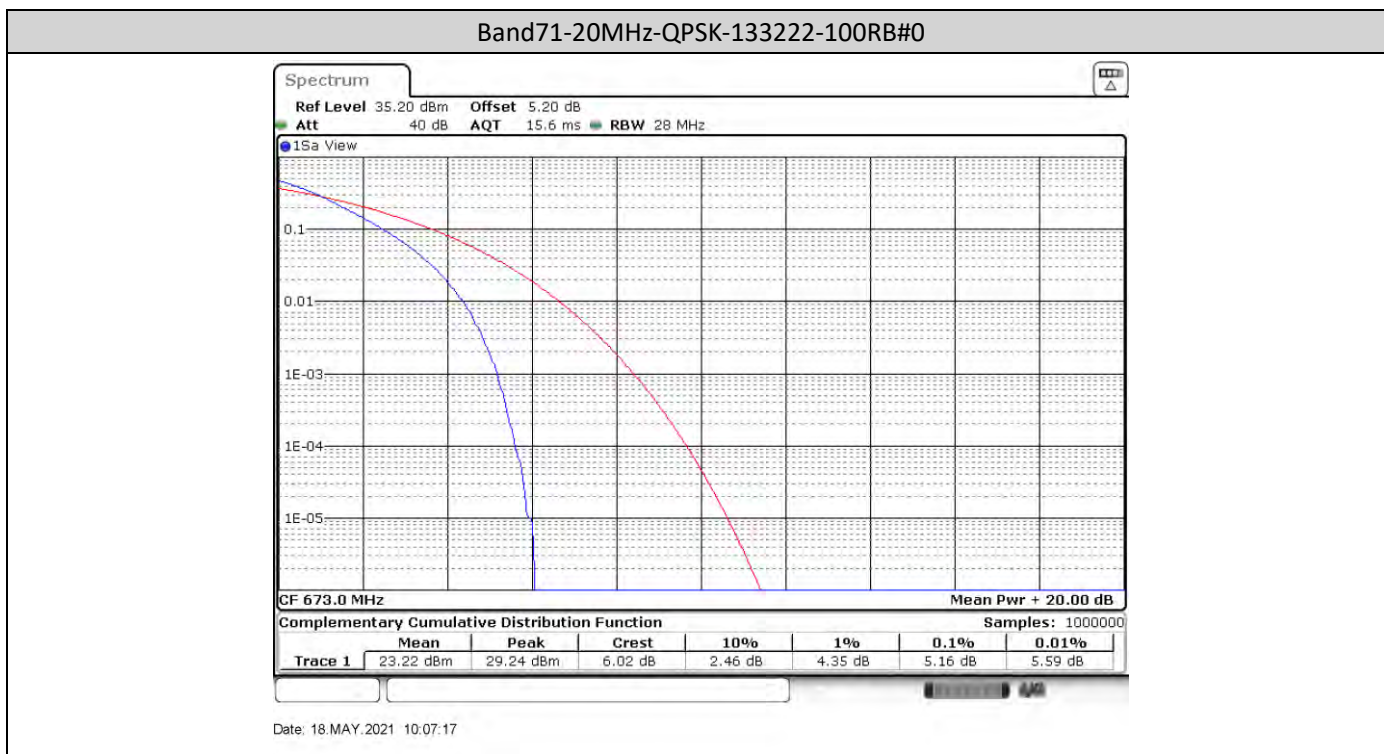


2. Peak-to-Average Ratio (CCDF)

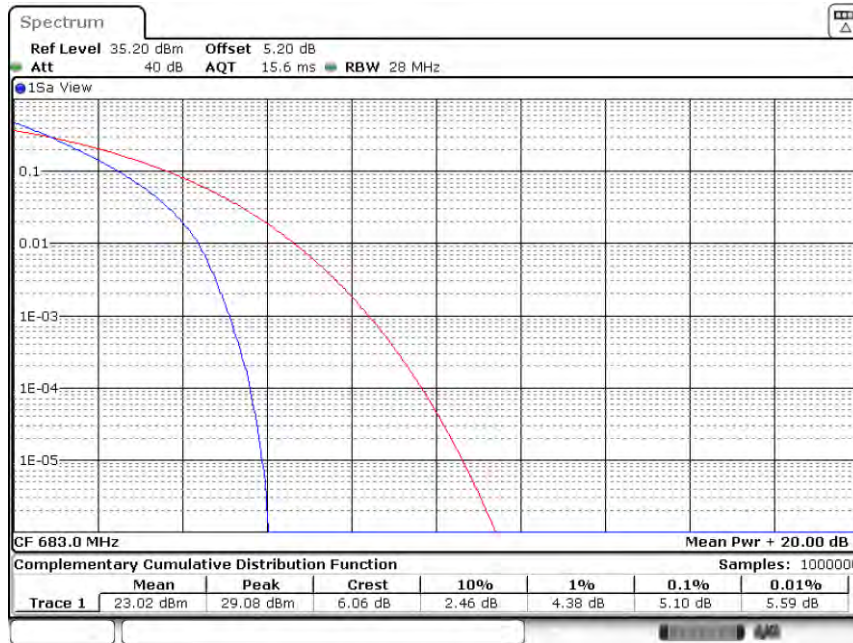
2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.16	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.10	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.22	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.61	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.72	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.70	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.09	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.03	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.09	13	PASS

2.2. Test Plots

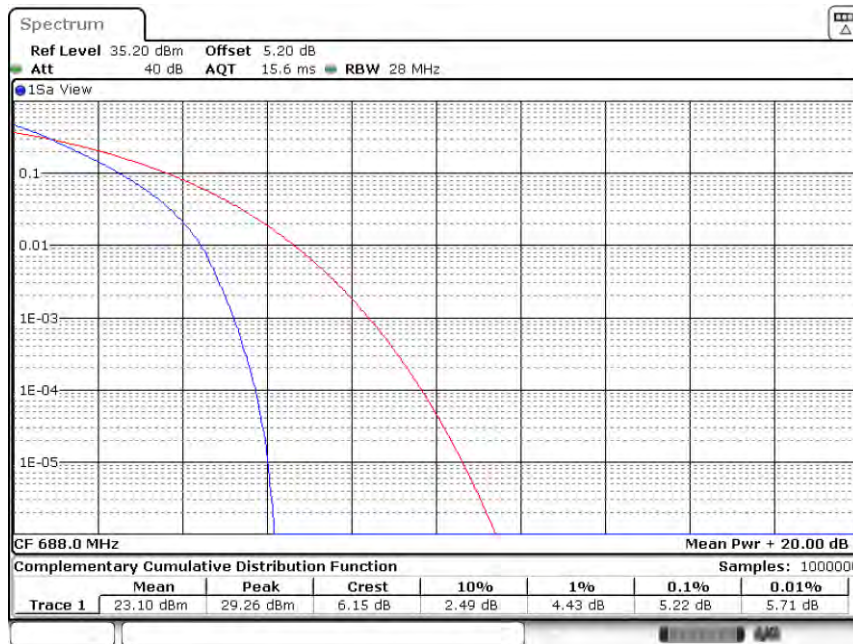


Band71-20MHz-QPSK-133322-100RB#0



Date: 18 MAY 2021 10:07:40

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



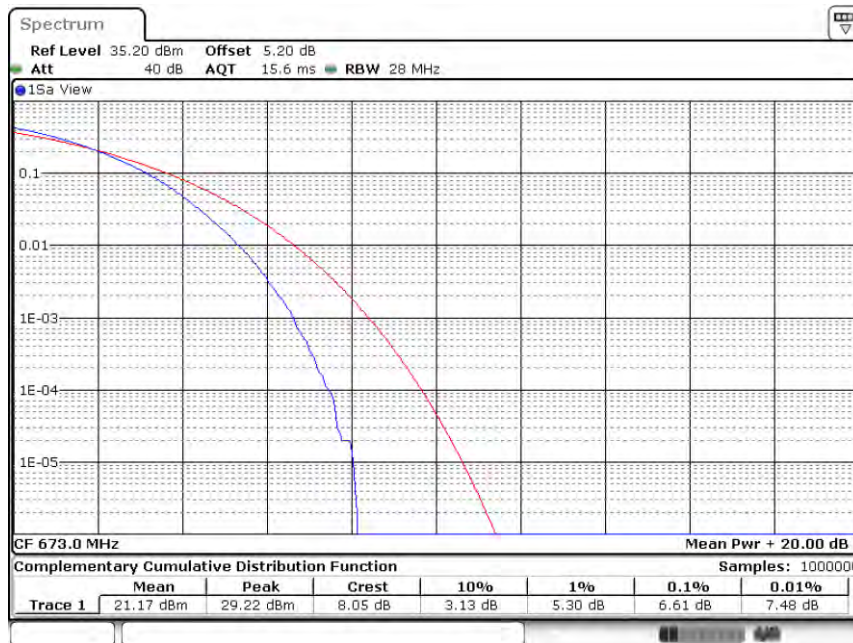
Date: 18 MAY 2021 10:08:03



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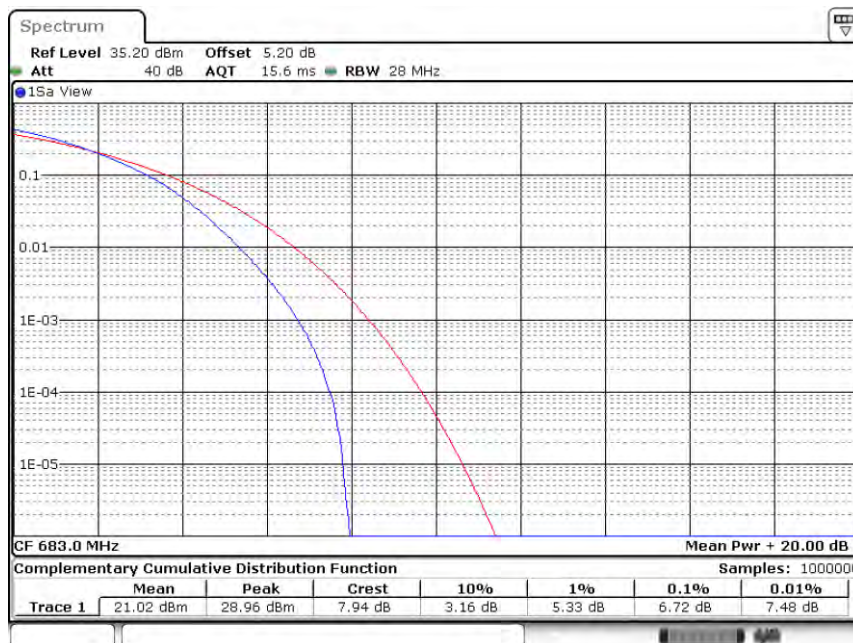
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Band71-20MHz-64QAM-133222-100RB#0



Date: 25.MAY.2021 21:22:33

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



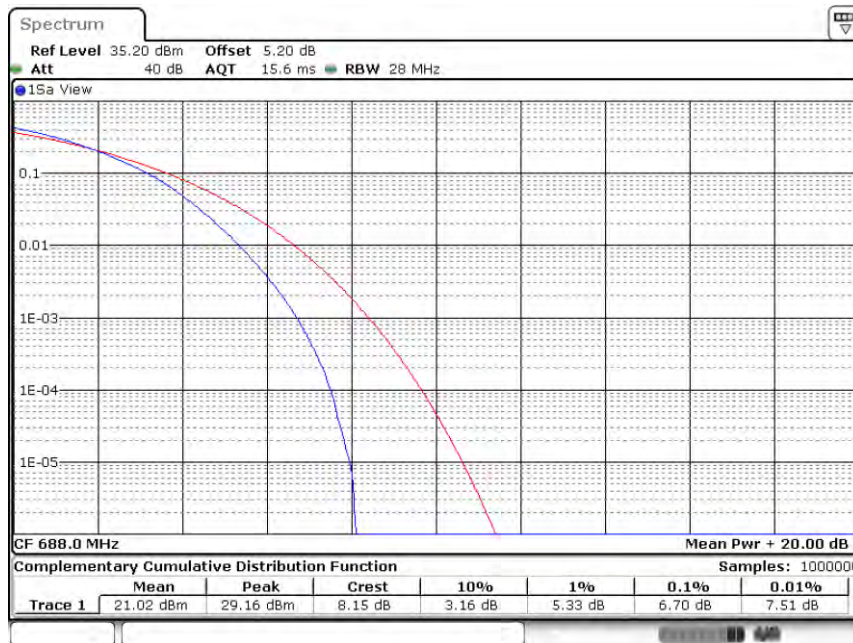
Date: 25.MAY.2021 21:22:44



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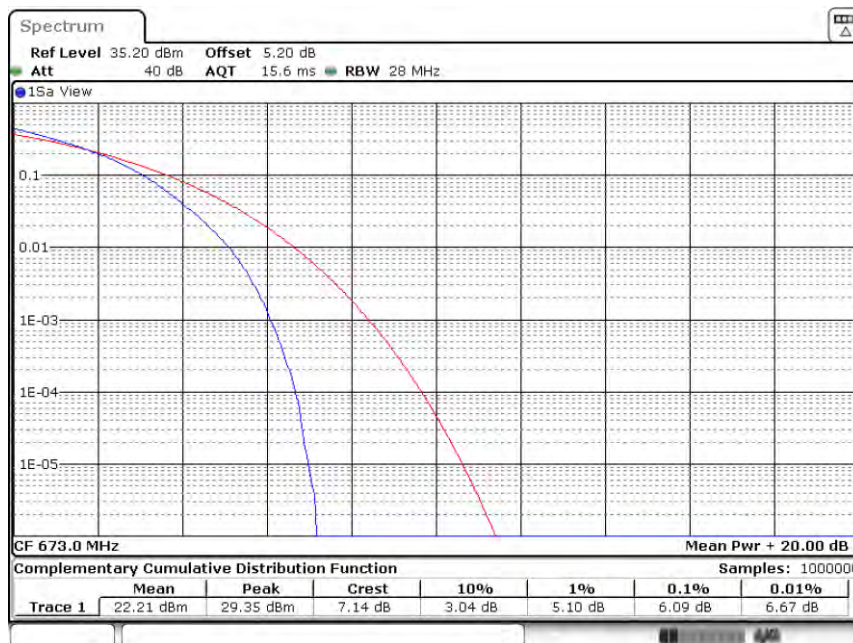
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Band71-20MHz-64QAM-133372-100RB#0



Date: 25.MAY.2021 21:22:56

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



Date: 18.MAY.2021 10:07:29

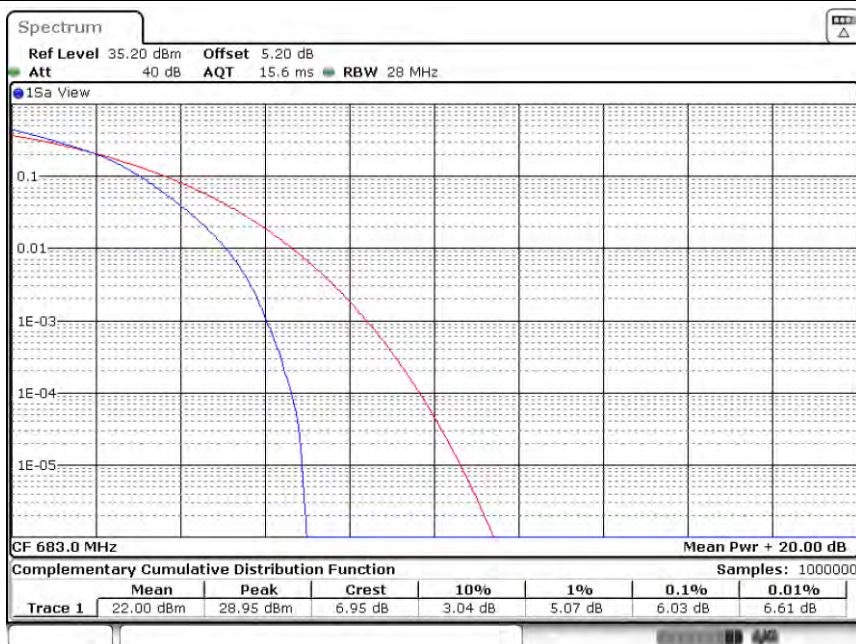


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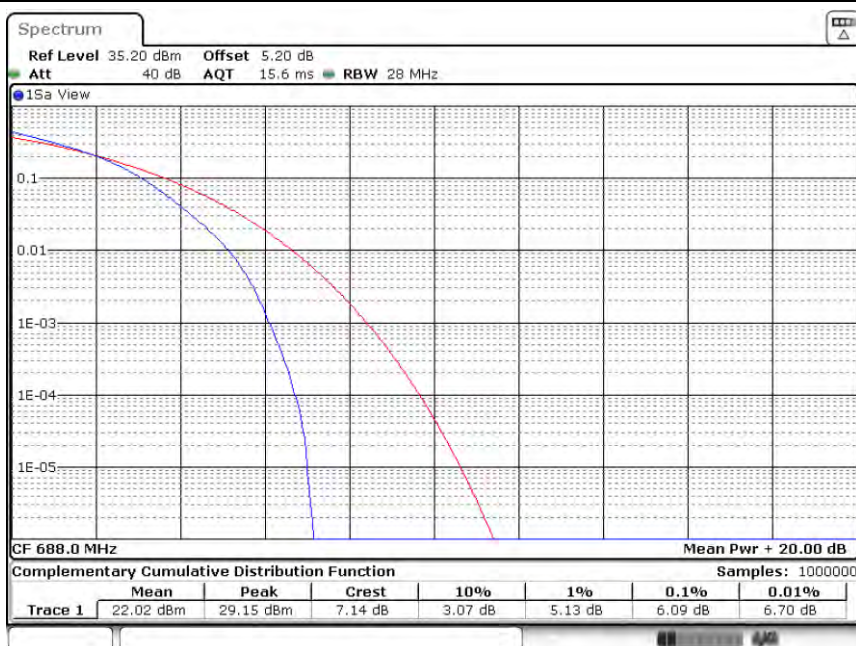


Band71-20MHz-16QAM-133322-100RB#0



Date: 18 MAY 2021 10:07:51

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



Date: 18 MAY 2021 10:08:14

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

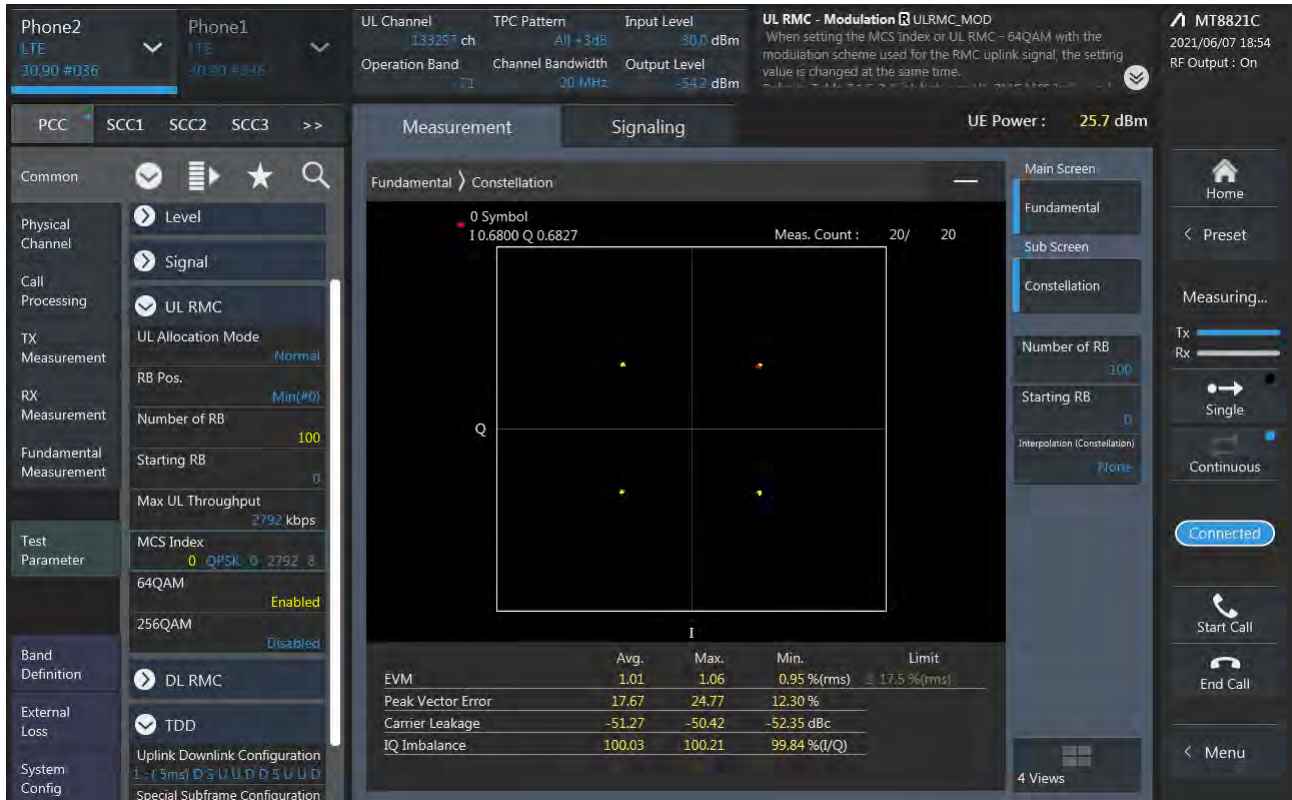


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

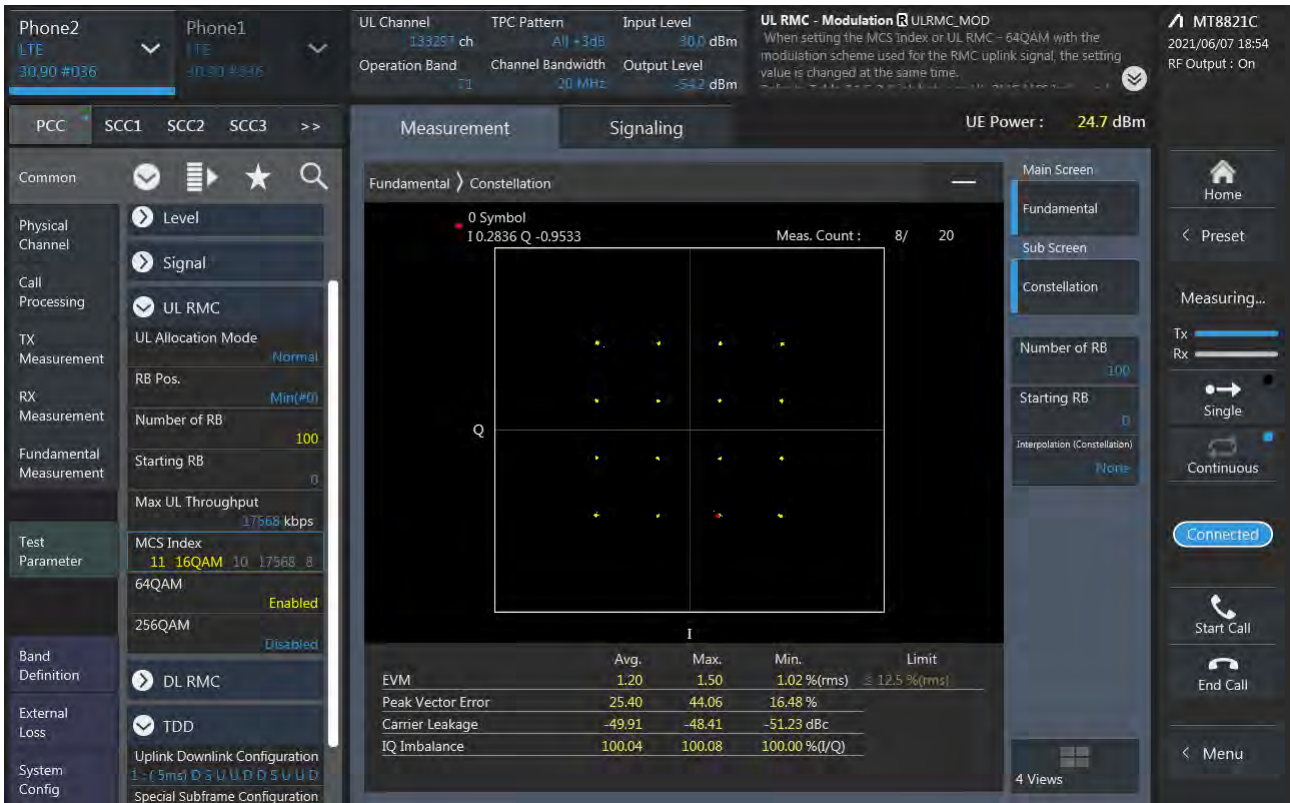
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

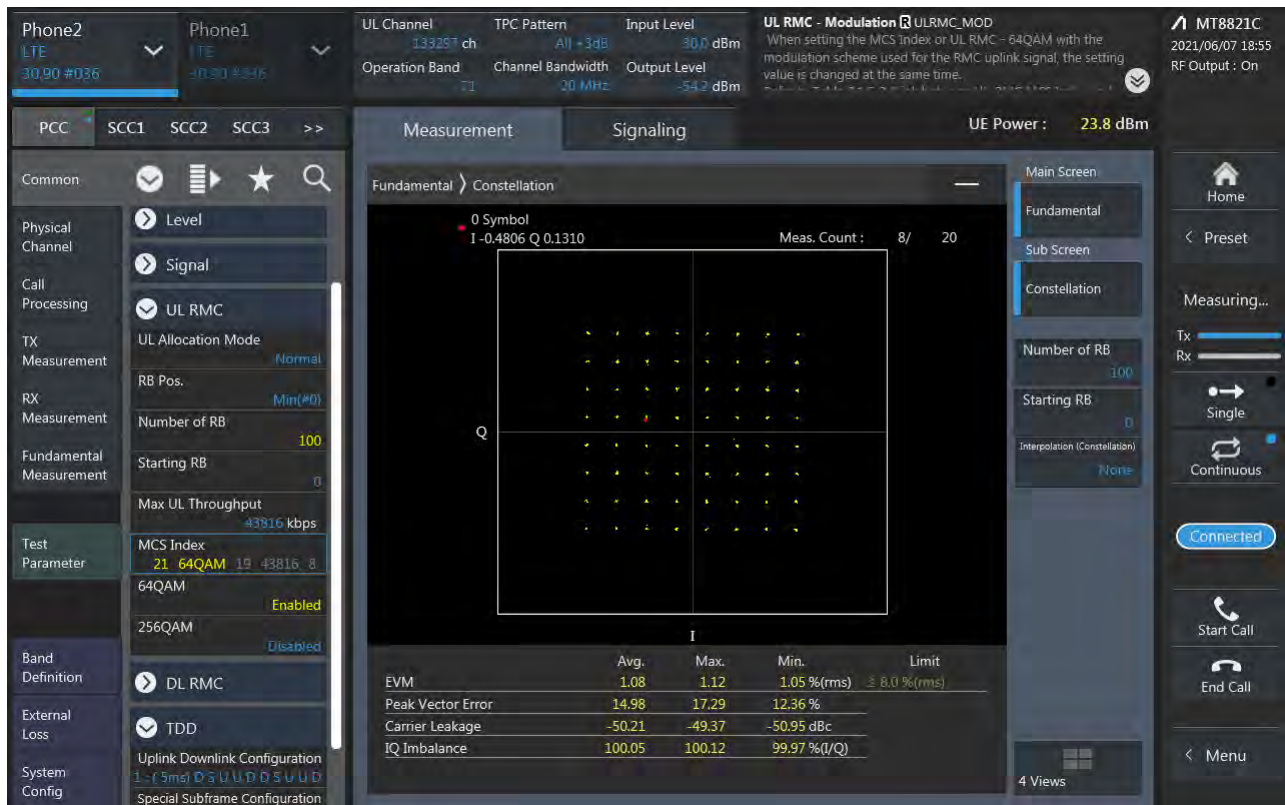
3.2.1. Test Channel = MCH



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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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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	4.466	4.910	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.900	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.476	4.910	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.486	4.910	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.486	4.920	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.476	4.900	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.486	4.910	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.496	4.920	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.486	4.920	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.911	9.640	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.931	9.660	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.931	9.680	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.931	9.660	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.931	9.660	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.931	9.660	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.931	9.660	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.931	9.720	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.931	9.680	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.457	14.640	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.427	14.700	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.457	14.670	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.397	14.730	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.427	14.790	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.397	14.700	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.397	14.730	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.427	14.670	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.457	14.760	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.822	19.280	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.822	19.400	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.862	19.320	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.822	19.280	PASS



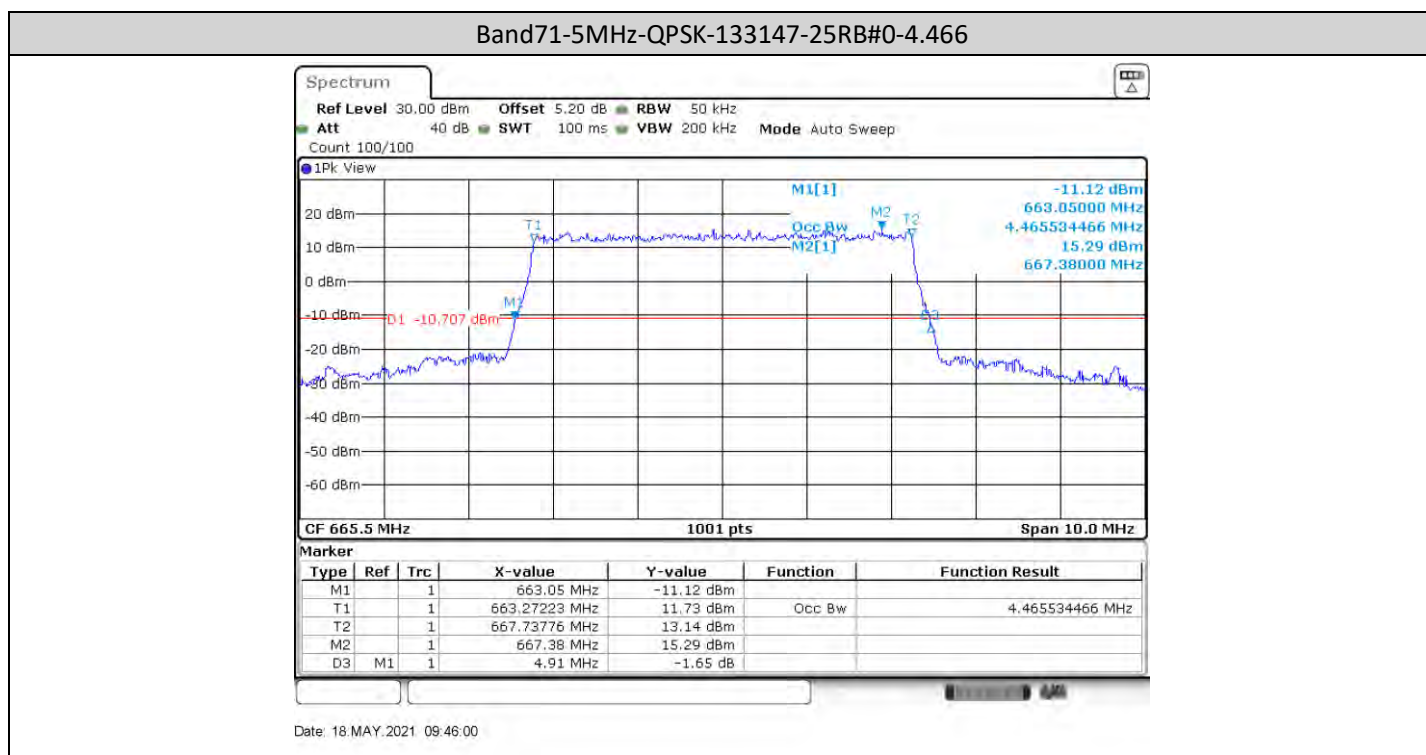
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Band71	20MHz	64QAM	133322	100RB#0	17.822	19.320	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.782	19.440	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.902	19.320	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.822	19.360	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.862	19.400	PASS

4.2. Test Plots

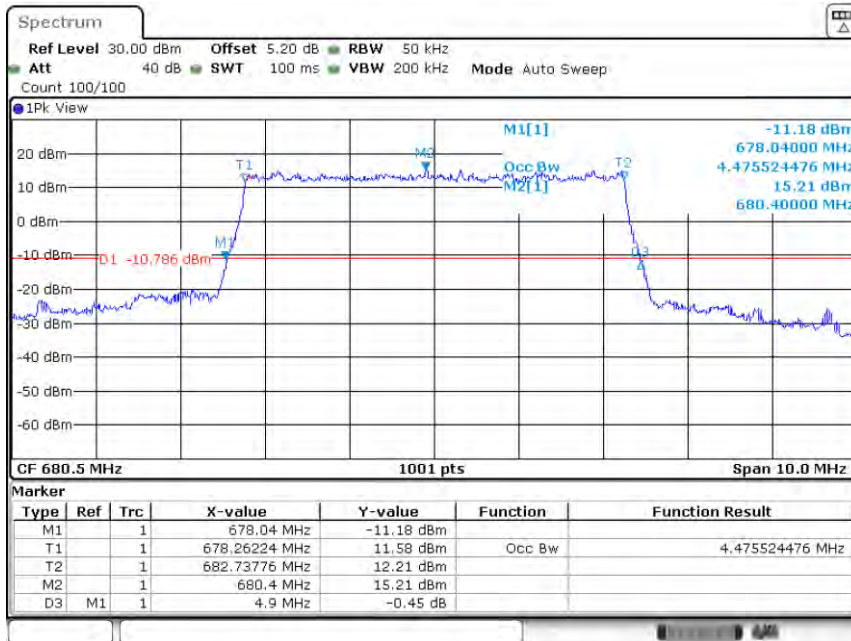


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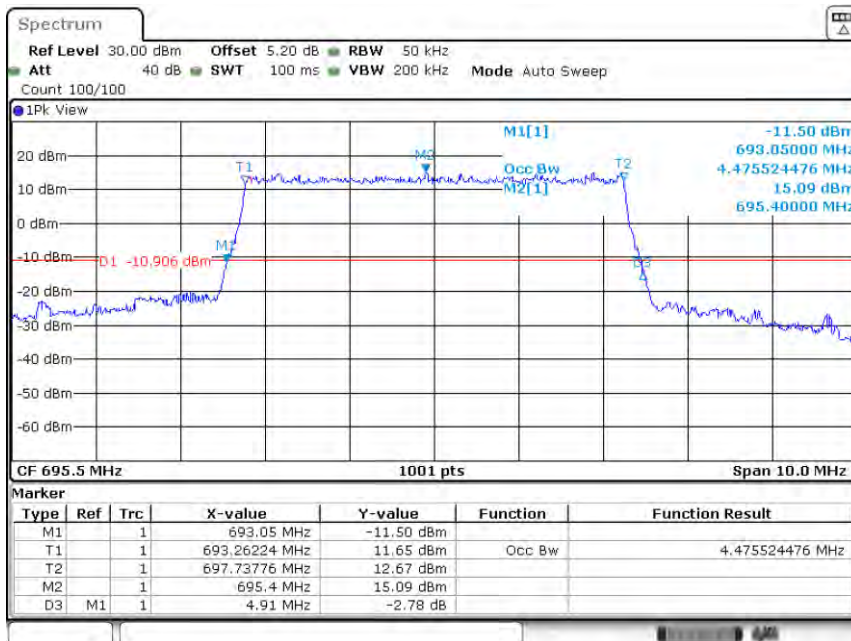
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Band71-5MHz-QPSK-133297-25RB#0-4.476



Date: 18 MAY.2021 09:46:41

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

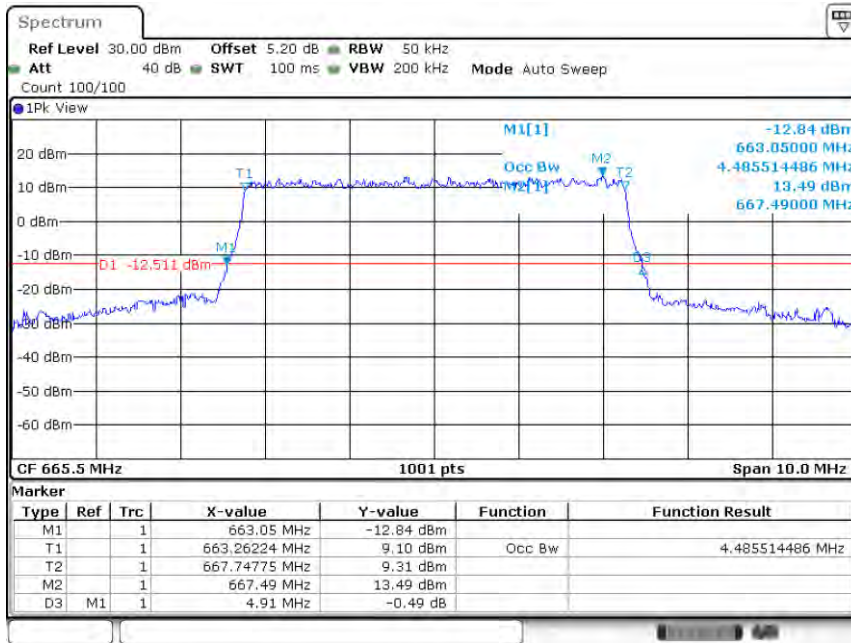


Date: 18 MAY.2021 09:47:21



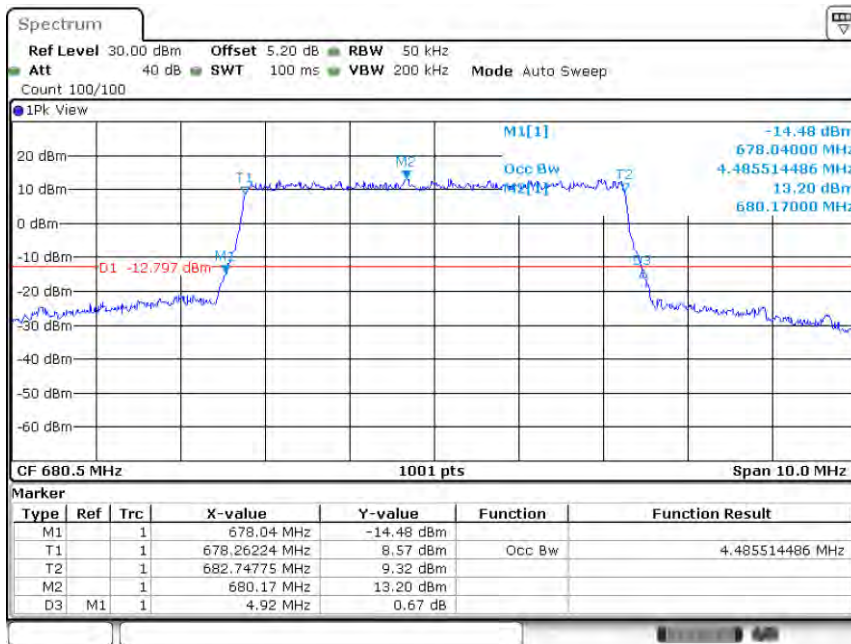
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Band71-5MHz-64QAM-133147-25RB#0-4.486



Date: 25.MAY.2021 21:11:10

Band71-5MHz-64QAM-133297-25RB#0-4.486

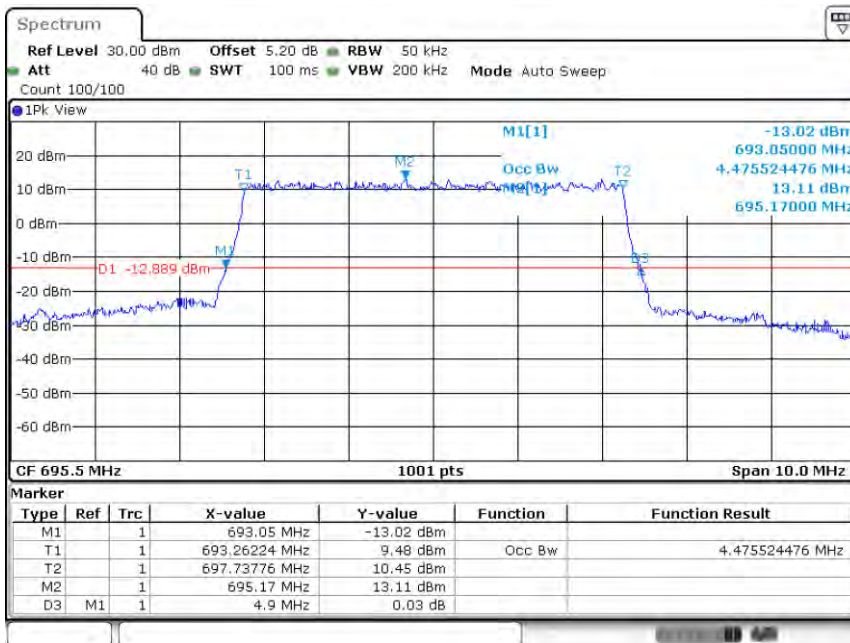


Date: 25.MAY.2021 21:11:30



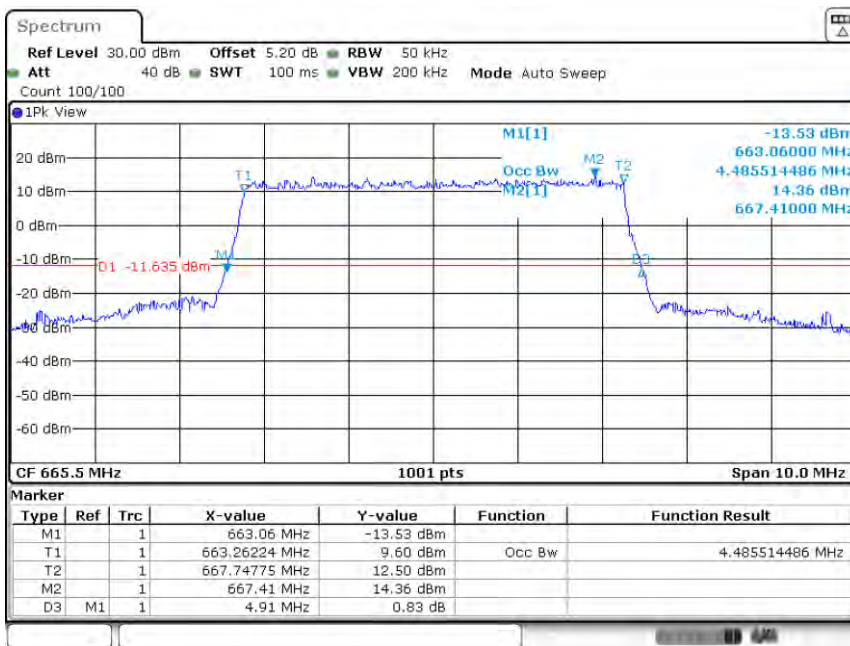
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Band71-5MHz-64QAM-133447-25RB#0-4.476



Date: 25.MAY.2021 21:11:50

Band71-5MHz-16QAM-133147-25RB#0-4.486

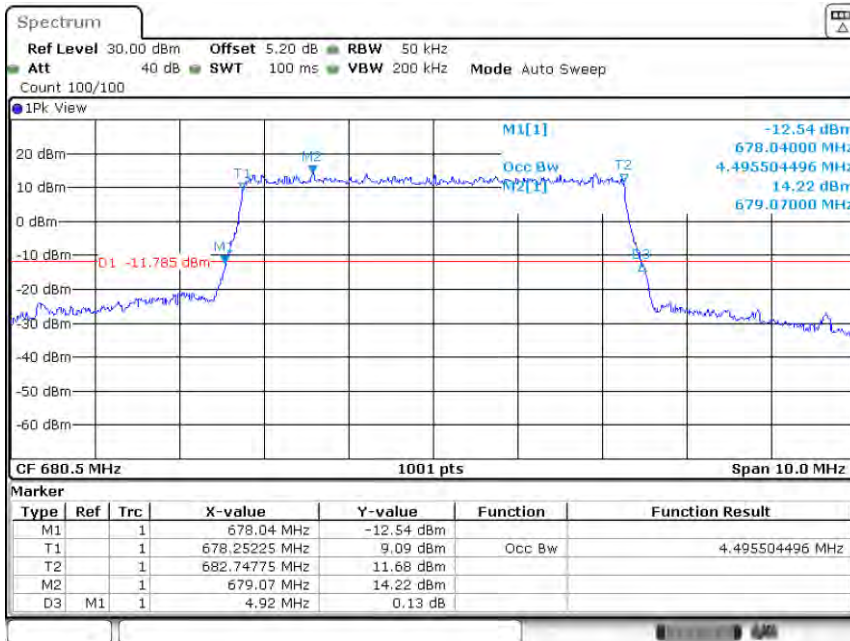


Date: 18.MAY.2021 09:46:20



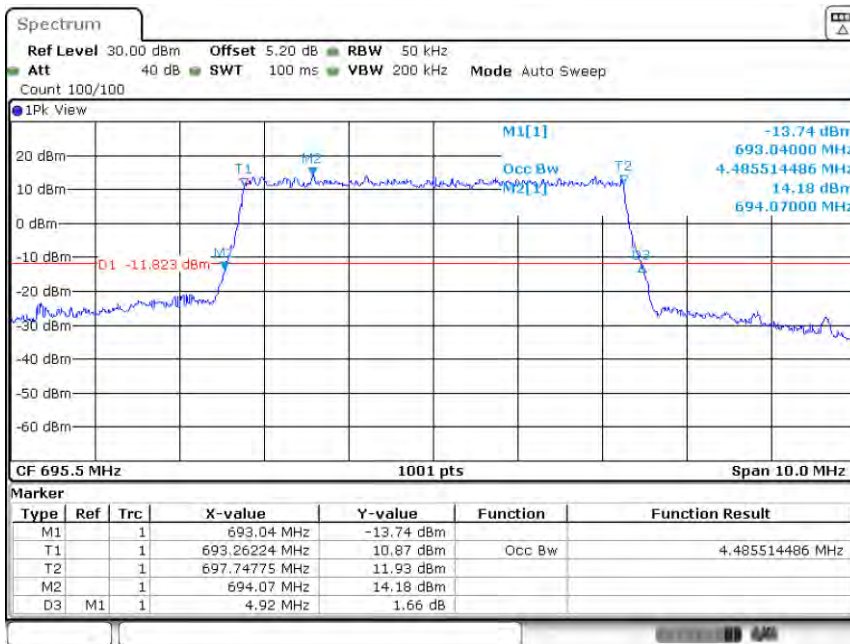
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Band71-5MHz-16QAM-133297-25RB#0-4.496



Date: 18 MAY.2021 09:47:00

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

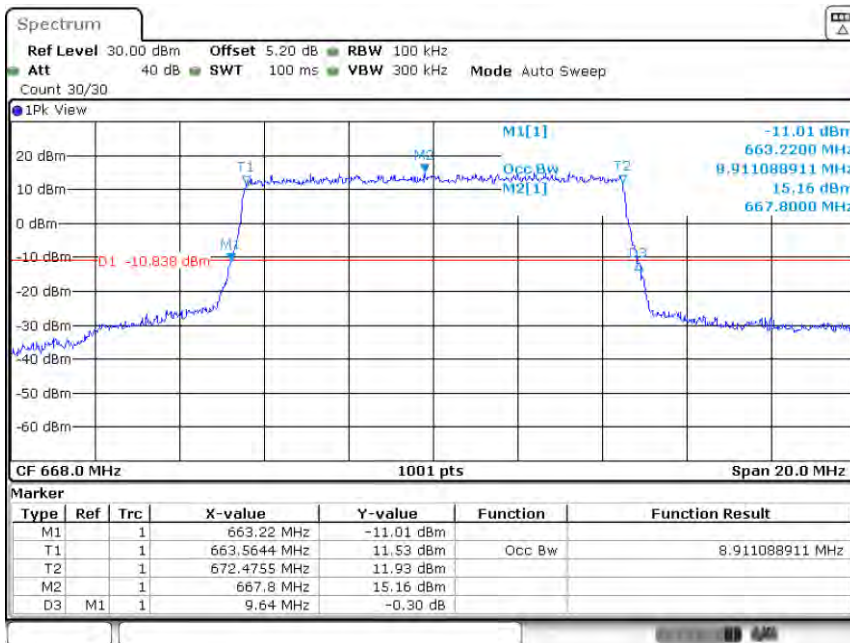


Date: 18 MAY.2021 09:47:41



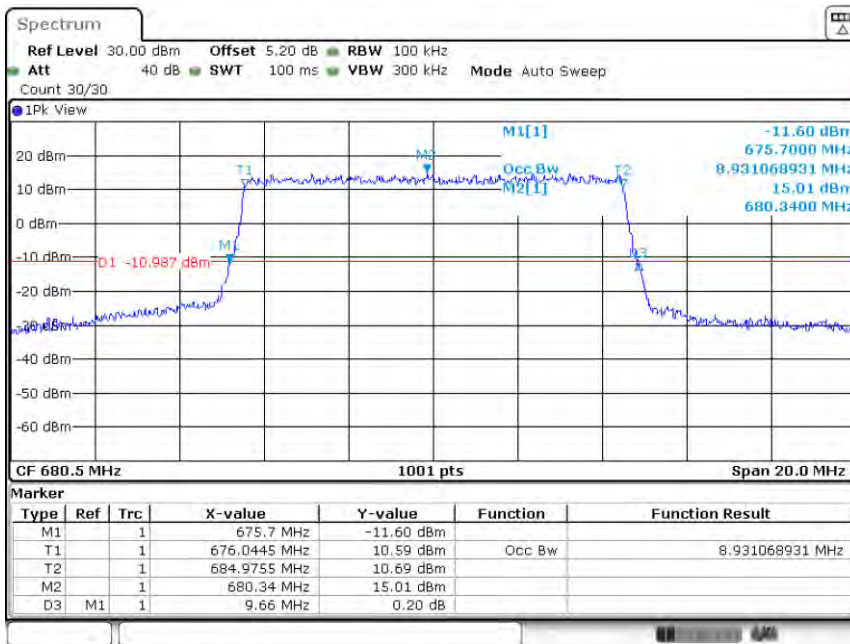
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Band71-10MHz-QPSK-133172-50RB#0-8.911



Date: 18 MAY.2021 09:47:58

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



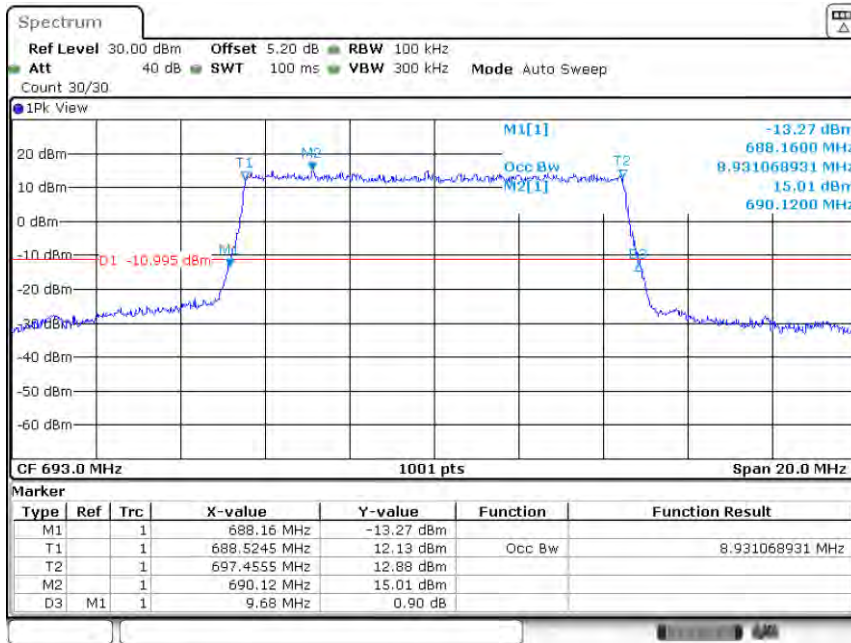
Date: 18 MAY.2021 09:48:24



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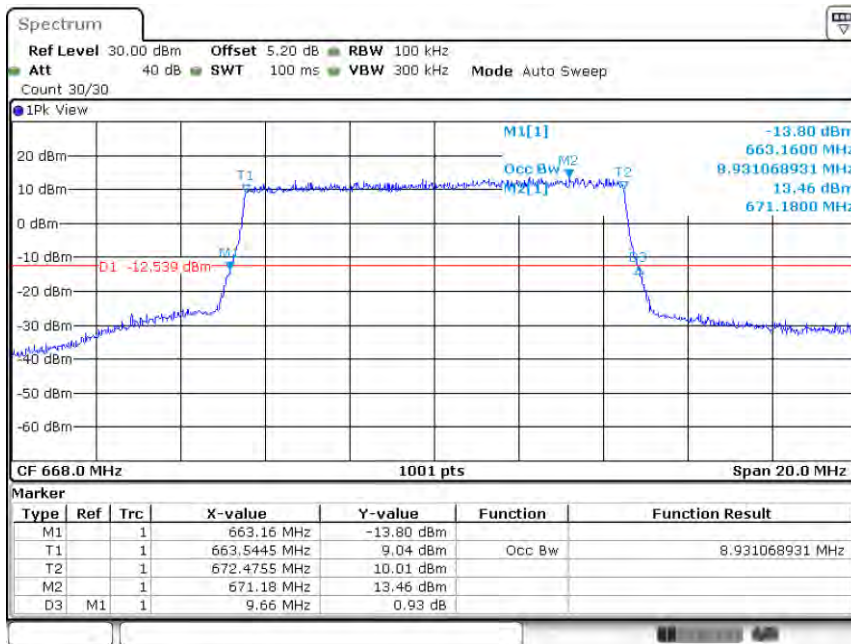


Band71-10MHz-QPSK-133422-50RB#0-8.931



Date: 18 MAY.2021 09:48:51

Band71-10MHz-64QAM-133172-50RB#0-8.931



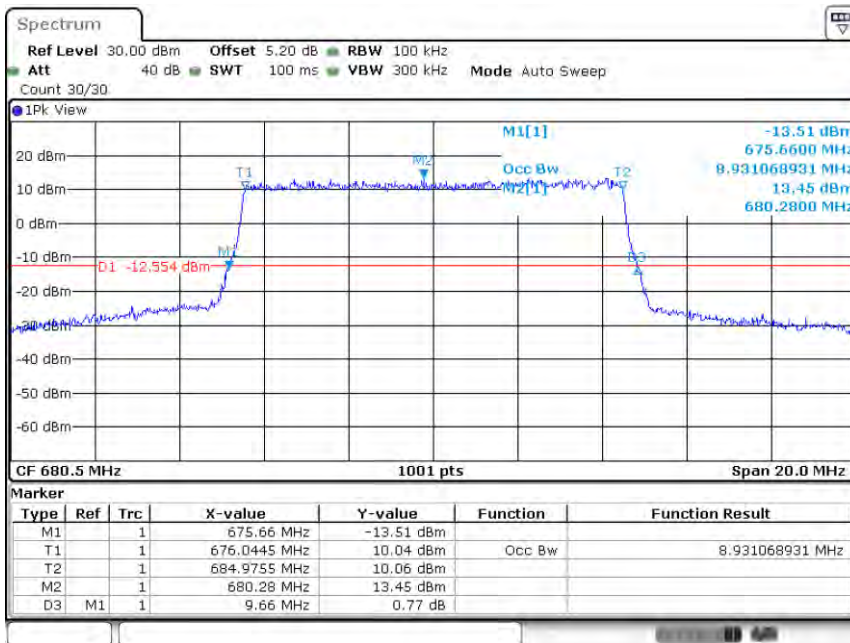
Date: 25 MAY.2021 21:12:09



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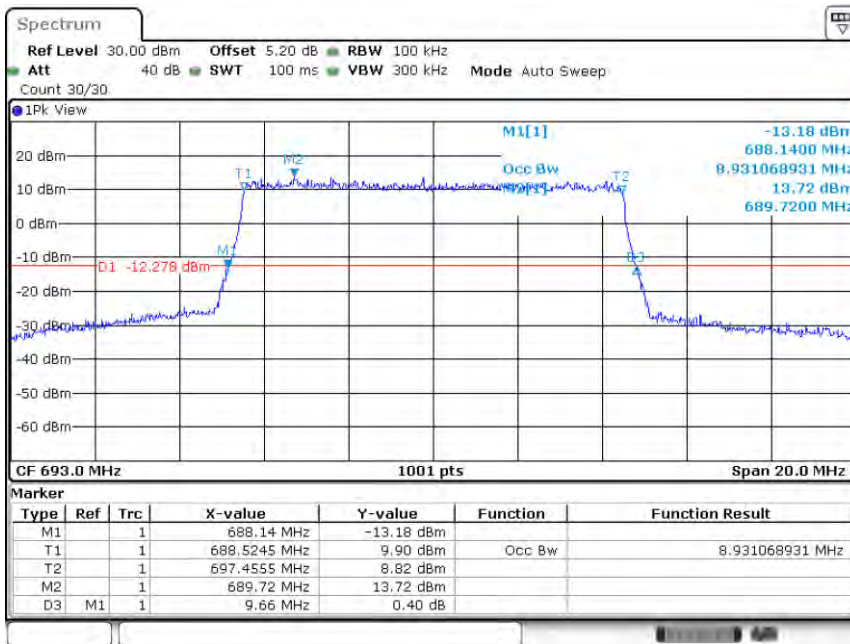


Band71-10MHz-64QAM-133297-50RB#0-8.931



Date: 25.MAY.2021 21:12:22

Band71-10MHz-64QAM-133422-50RB#0-8.931

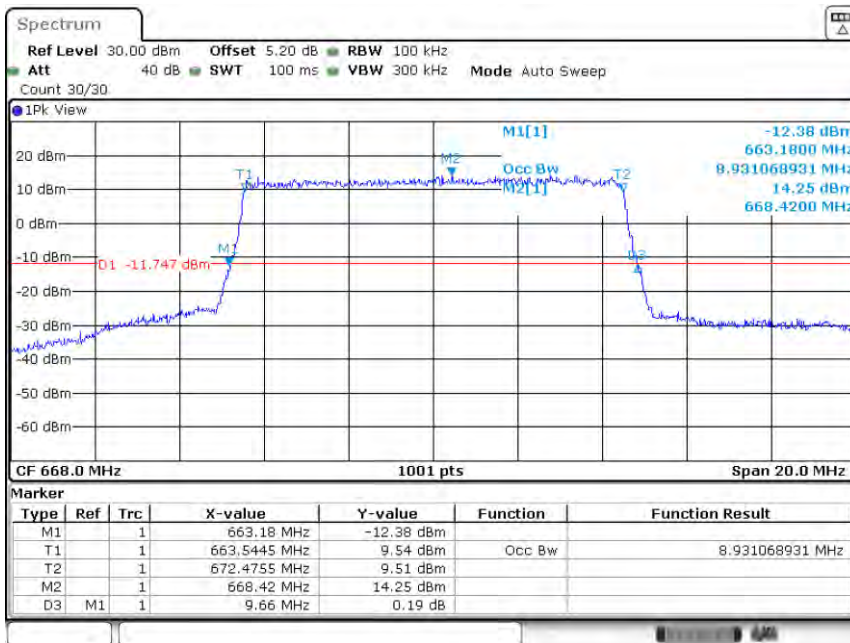


Date: 25.MAY.2021 21:12:35



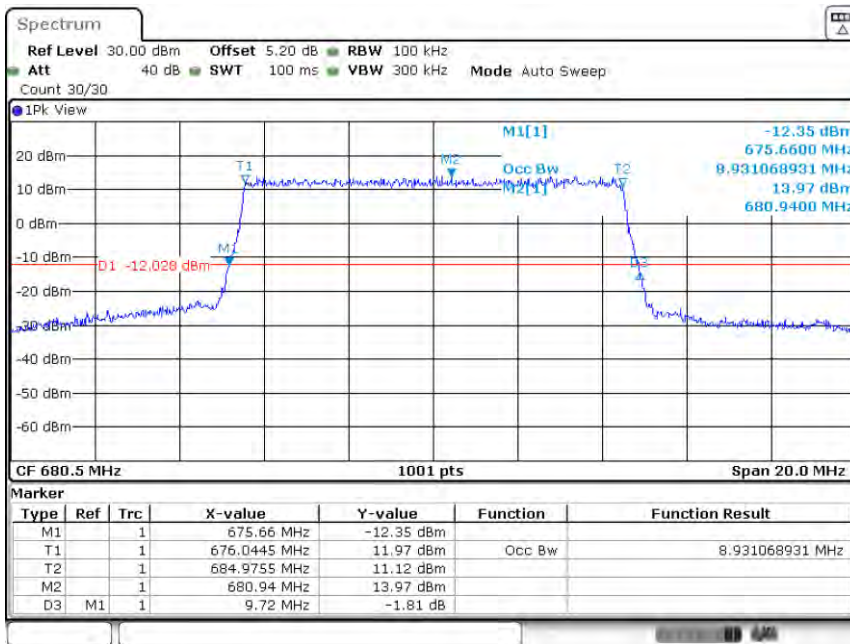
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Band71-10MHz-16QAM-133172-50RB#0-8.931



Date: 18 MAY.2021 09:48:11

Band71-10MHz-16QAM-133297-50RB#0-8.931



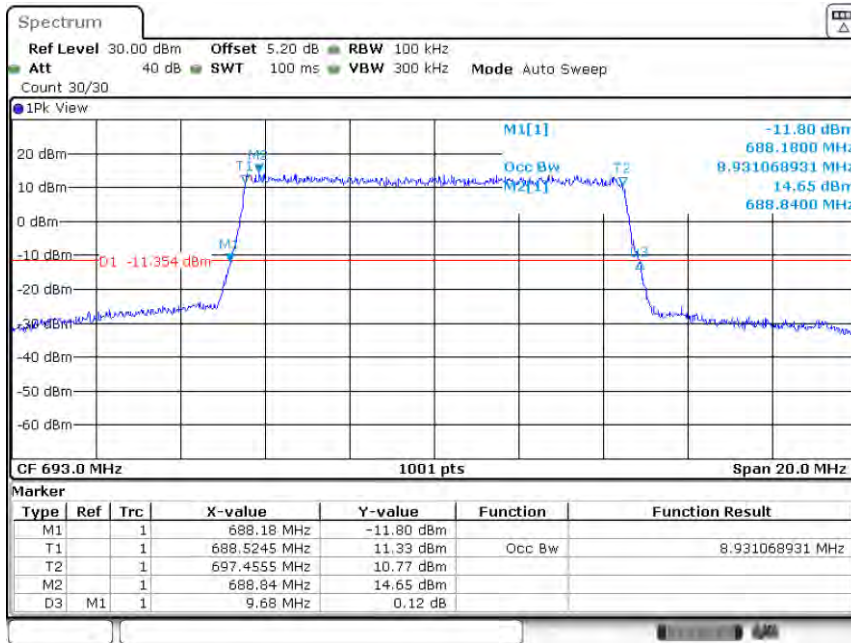
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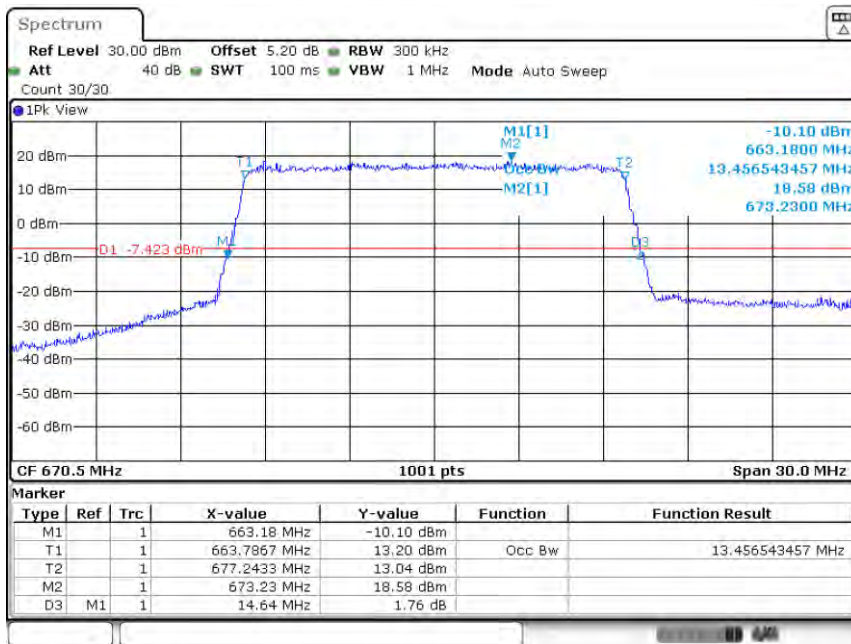


Band71-10MHz-16QAM-133422-50RB#0-8.931



Date: 18 MAY.2021 09:49:03

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



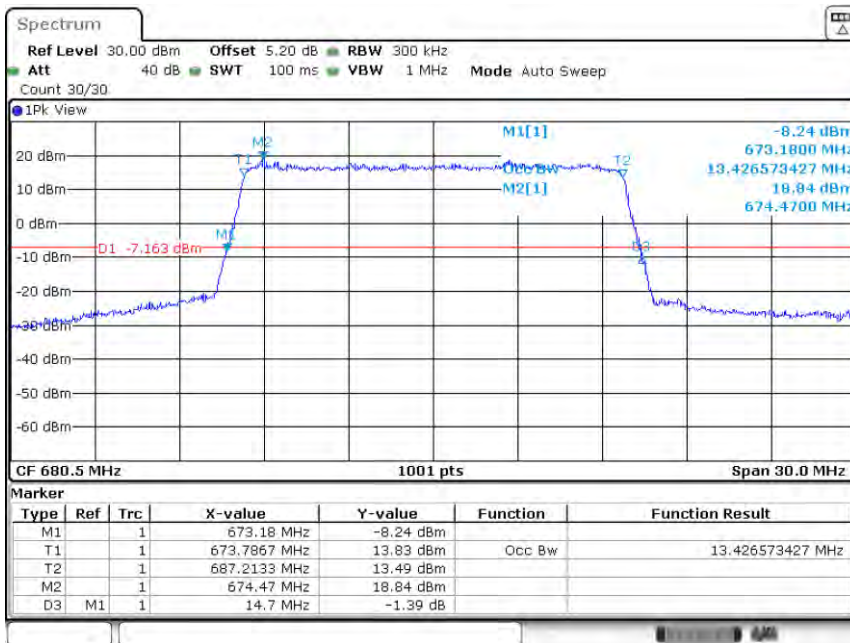
Date: 18 MAY.2021 09:49:21



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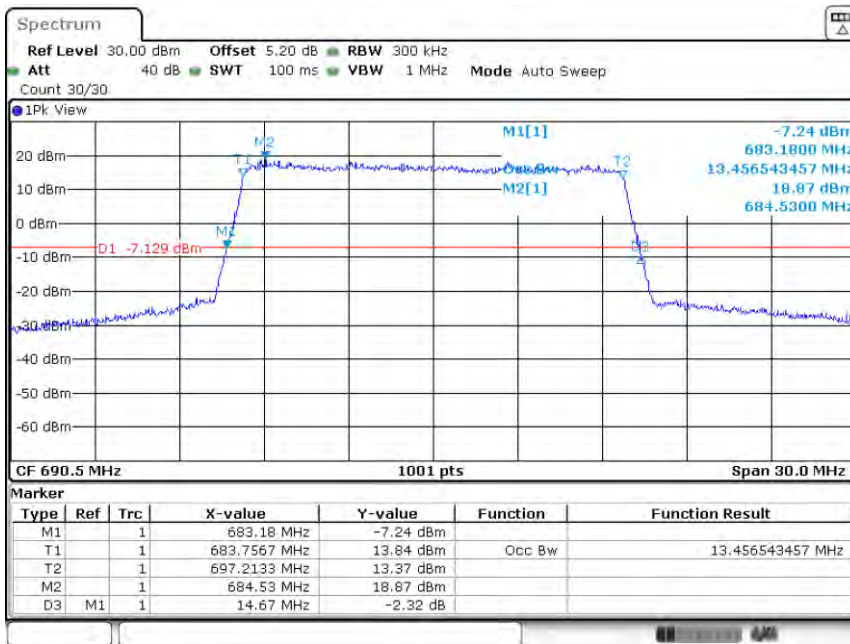


Band71-15MHz-QPSK-133297-75RB#0-13.427



Date: 18 MAY.2021 09:49:47

Band71-15MHz-QPSK-133397-75RB#0-13.457

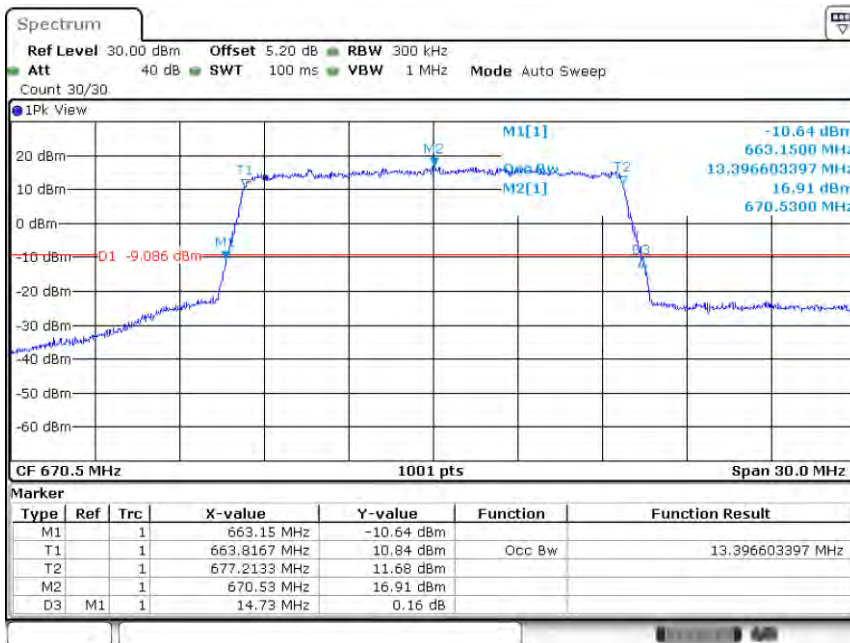


Date: 18 MAY.2021 09:50:13



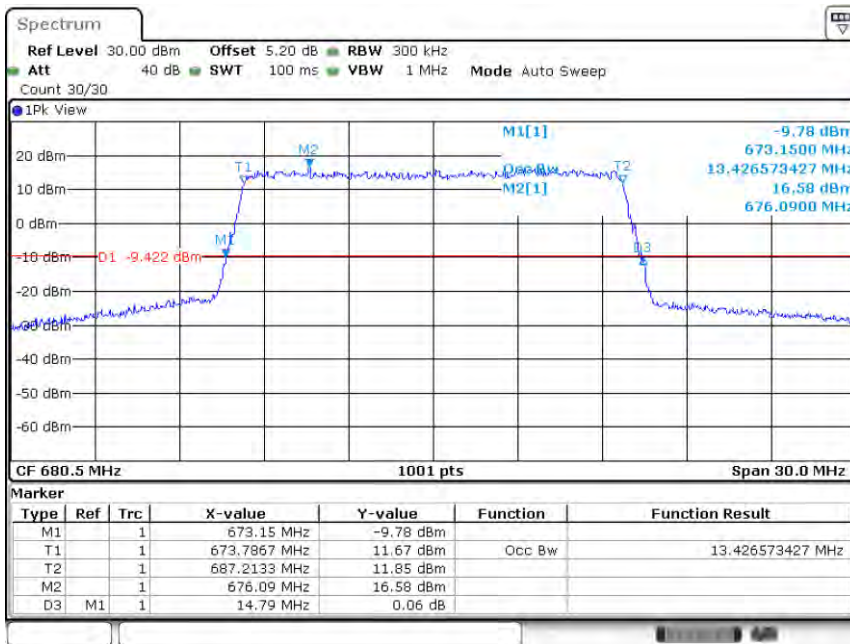
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Band71-15MHz-64QAM-133197-75RB#0-13.397



Date: 25.MAY.2021 21:12:55

Band71-15MHz-64QAM-133297-75RB#0-13.427



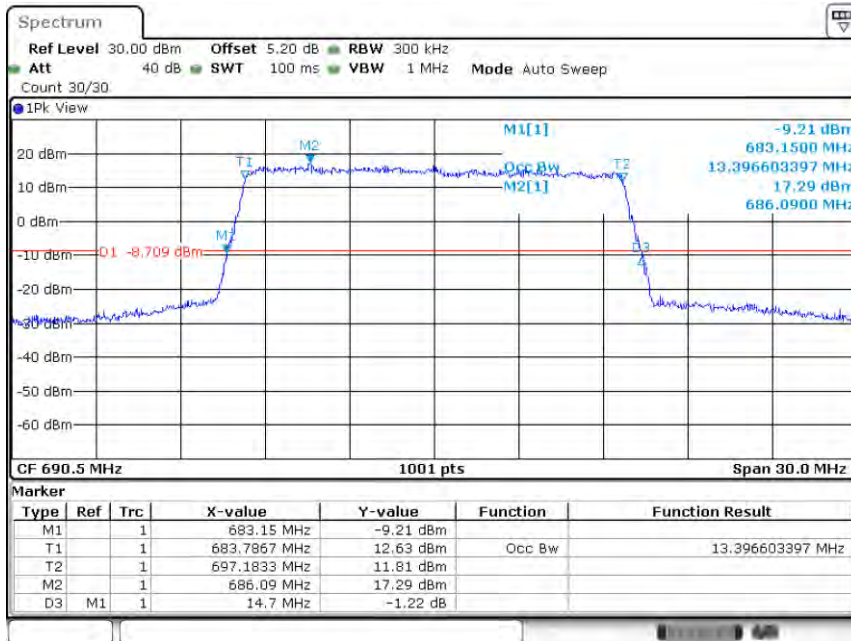
Date: 25.MAY.2021 21:13:08



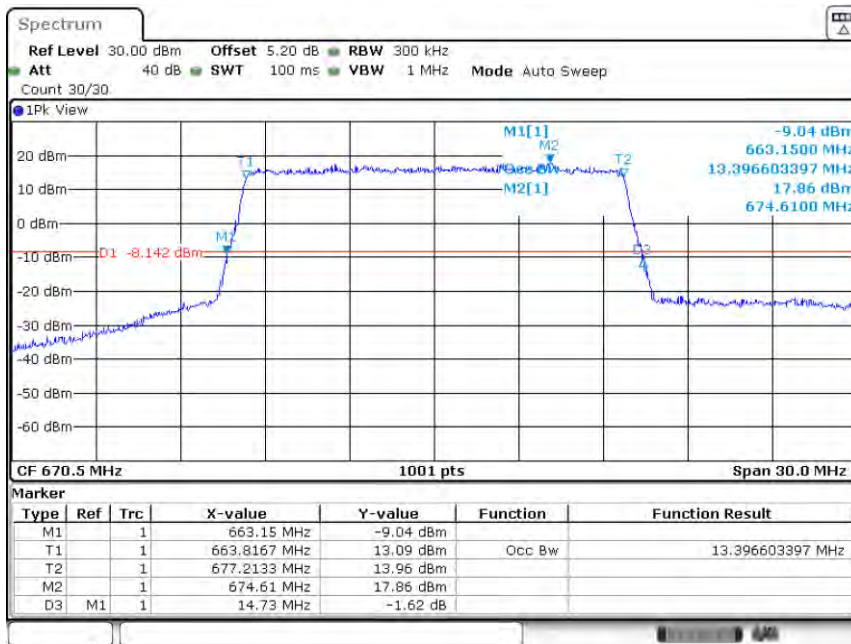
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Band71-15MHz-64QAM-133397-75RB#0-13.397



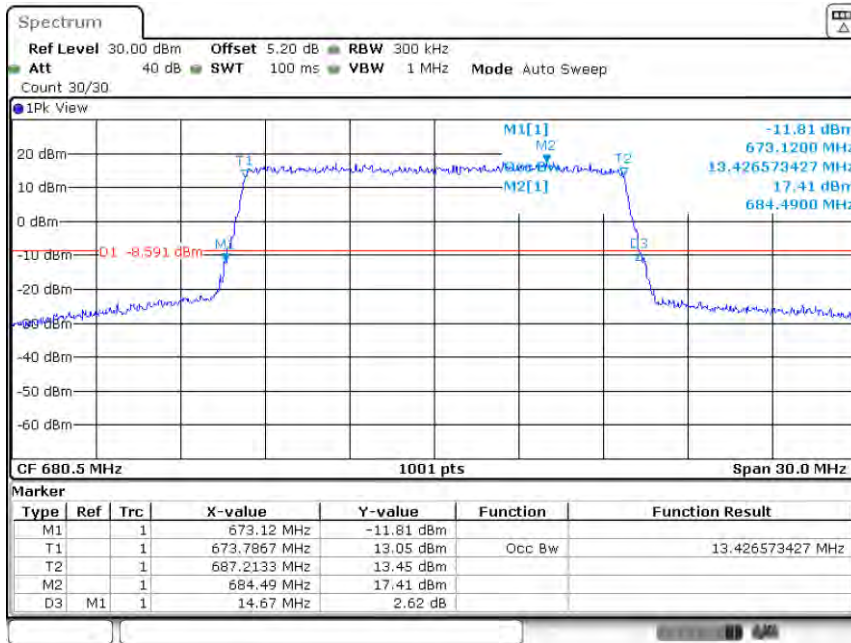
Band71-15MHz-16QAM-133197-75RB#0-13.397



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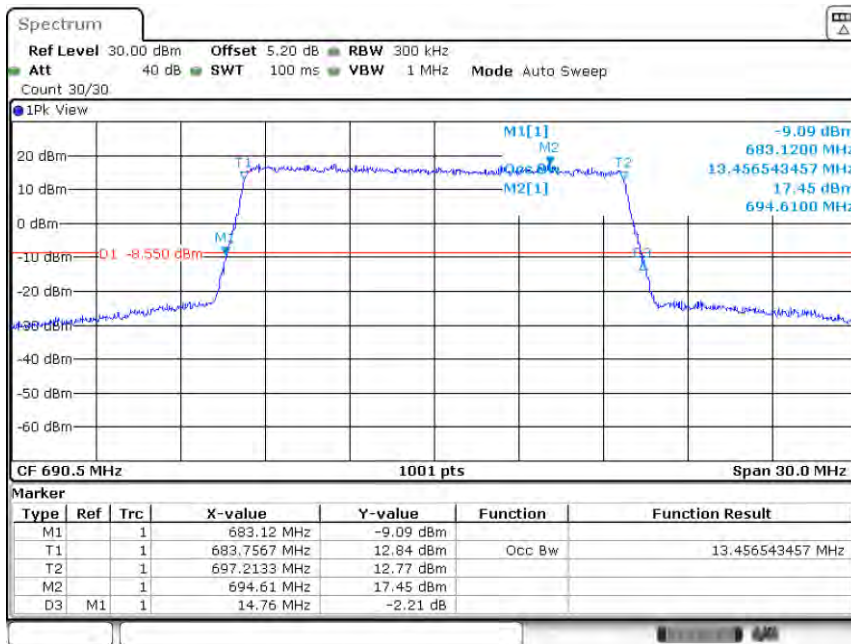


Band71-15MHz-16QAM-133297-75RB#0-13.427



Date: 18 MAY.2021 09:49:59

Band71-15MHz-16QAM-133397-75RB#0-13.457



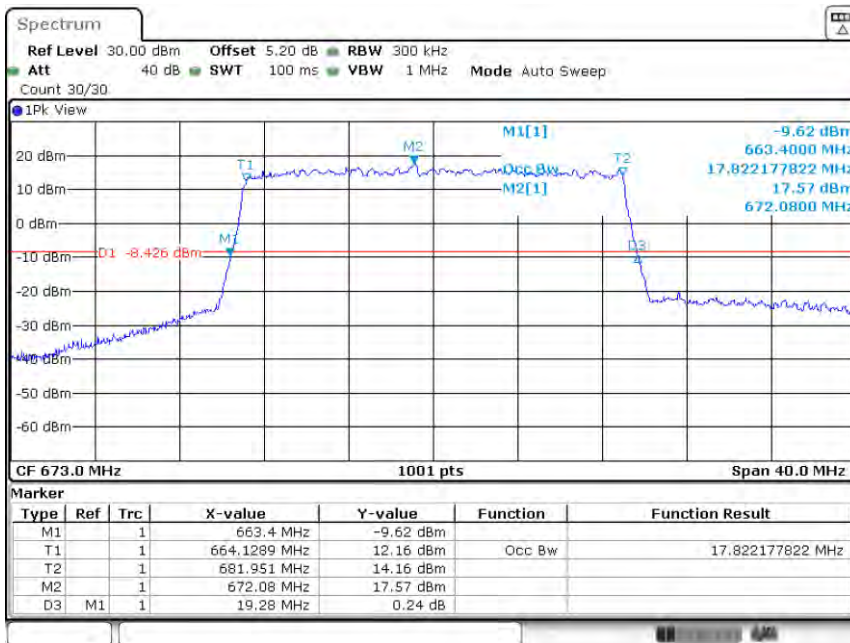
Date: 18 MAY.2021 09:50:25



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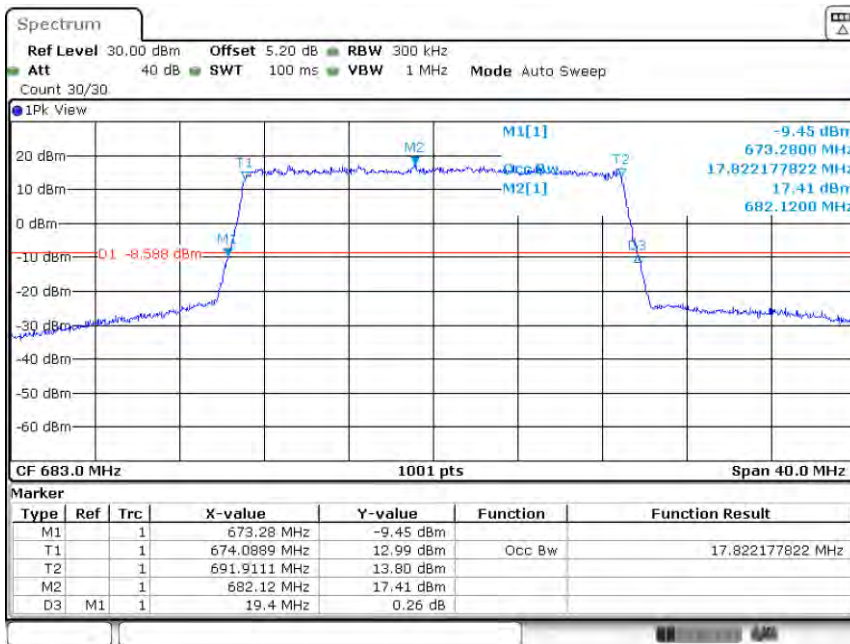


Band71-20MHz-QPSK-133222-100RB#0-17.822



Date: 18 MAY.2021 09:50:43

Band71-20MHz-QPSK-133322-100RB#0-17.822



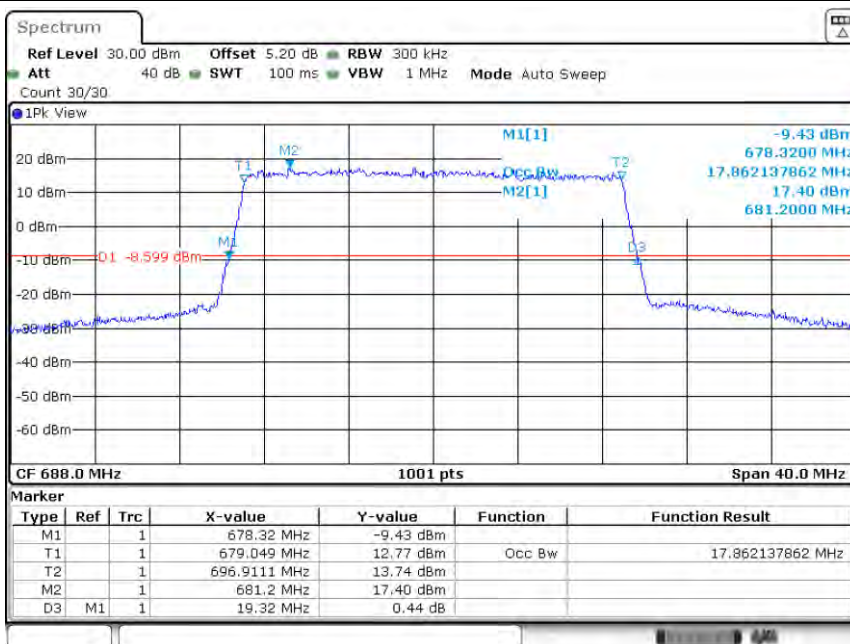
Date: 18 MAY.2021 09:51:09



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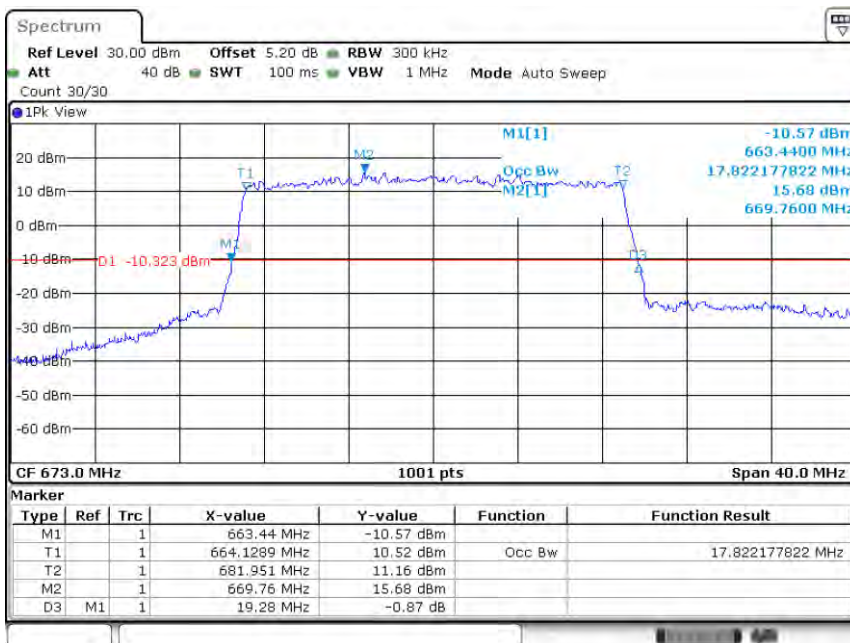


Band71-20MHz-QPSK-133372-100RB#0-17.862



Date: 18.MAY.2021 09:51:35

Band71-20MHz-64QAM-133222-100RB#0-17.822

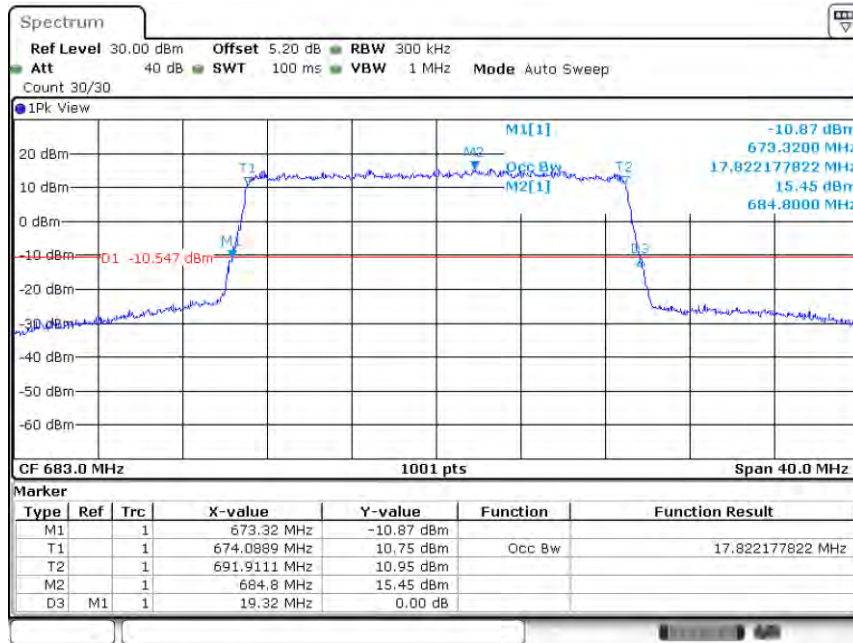


Date: 25.MAY.2021 21:13:40



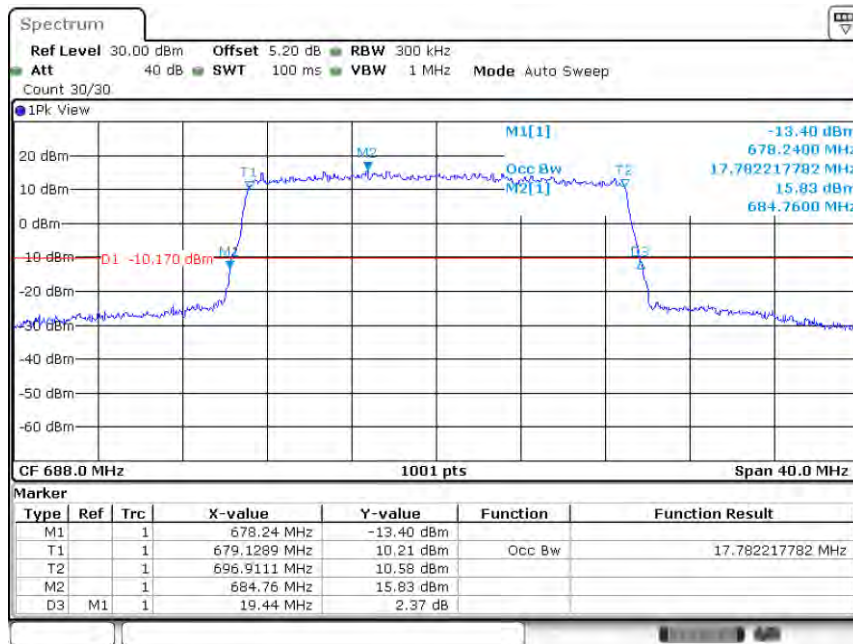
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Band71-20MHz-64QAM-133322-100RB#0-17.822



Date: 25.MAY.2021 21:13:53

Band71-20MHz-64QAM-133372-100RB#0-17.782

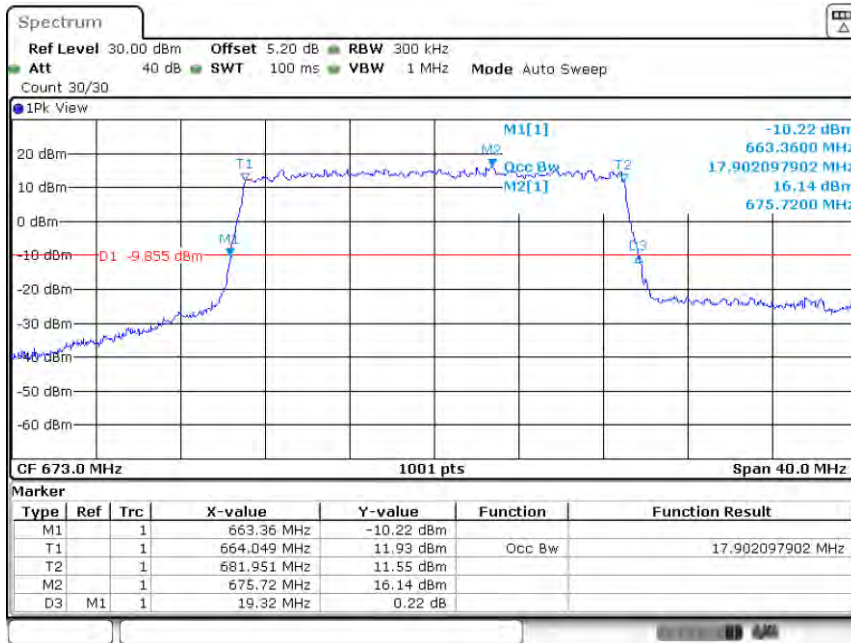


Date: 25.MAY.2021 21:14:06



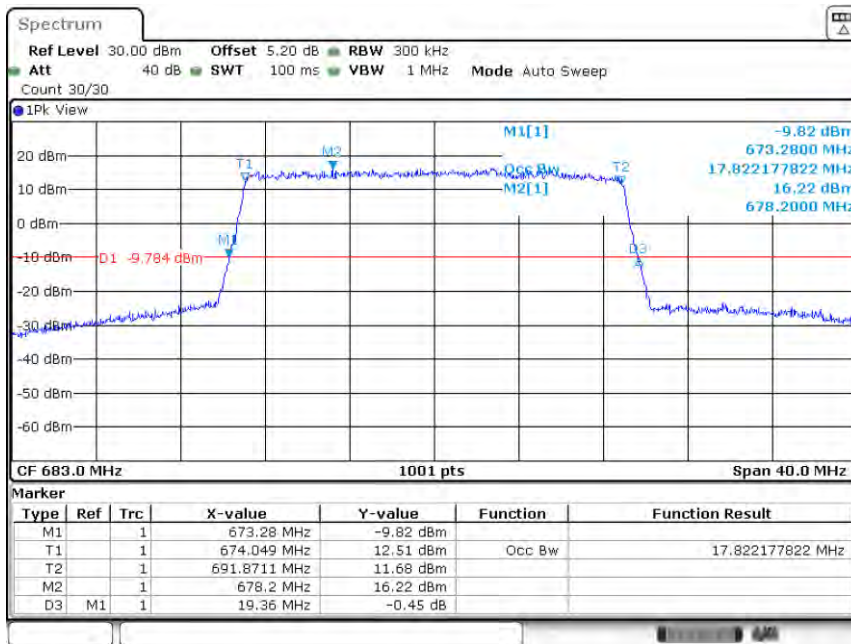
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Band71-20MHz-16QAM-133222-100RB#0-17.902



Date: 18 MAY.2021 09:50:56

Band71-20MHz-16QAM-133322-100RB#0-17.822

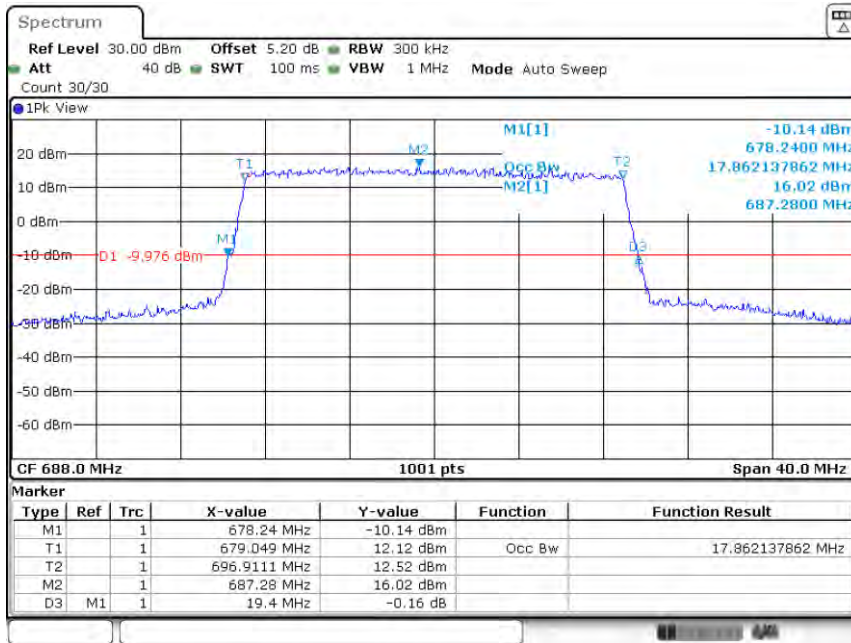


Date: 18 MAY.2021 09:51:22



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Band71-20MHz-16QAM-133372-100RB#0-17.862



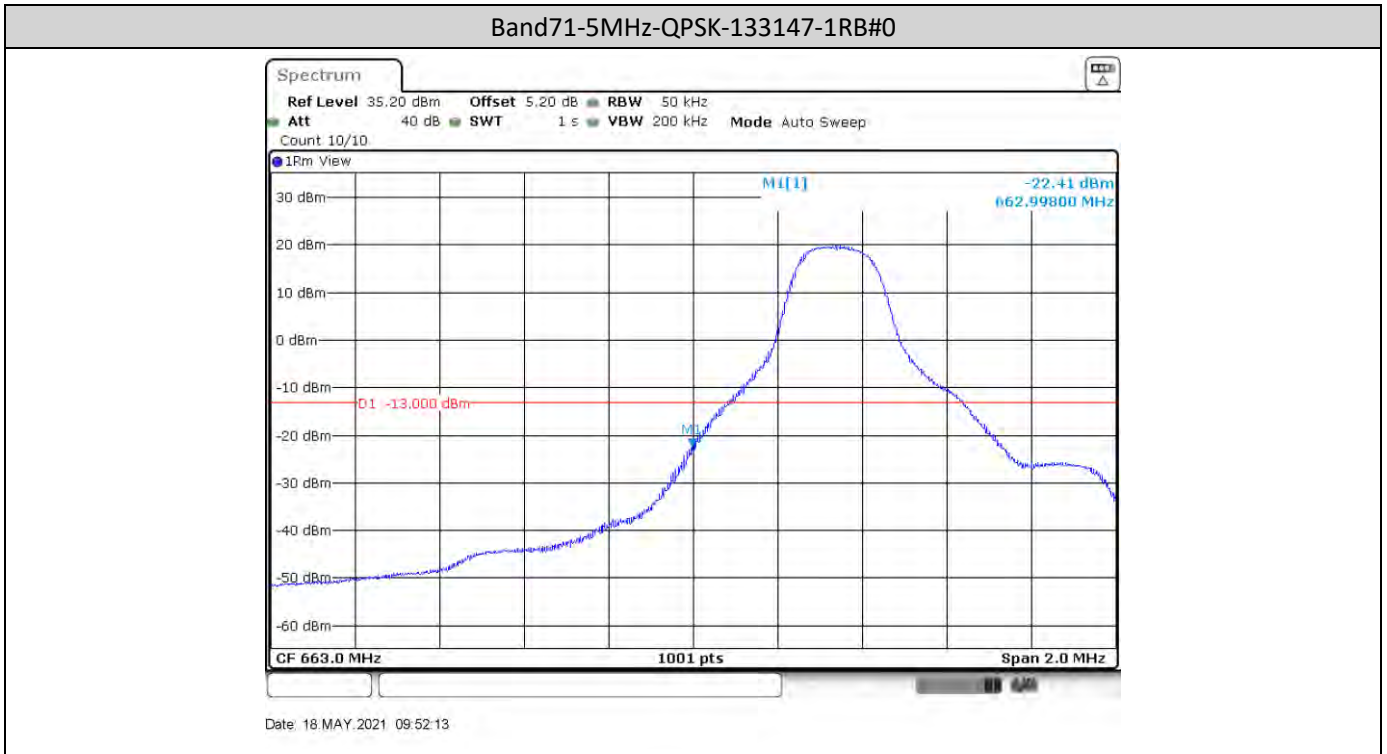
Date: 18 MAY.2021 09:51:47



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5. Band Edge Compliance

5.1. Test Plots



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



Date: 18 MAY.2021 09:52:54

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



Date: 18 MAY.2021 09:53:40



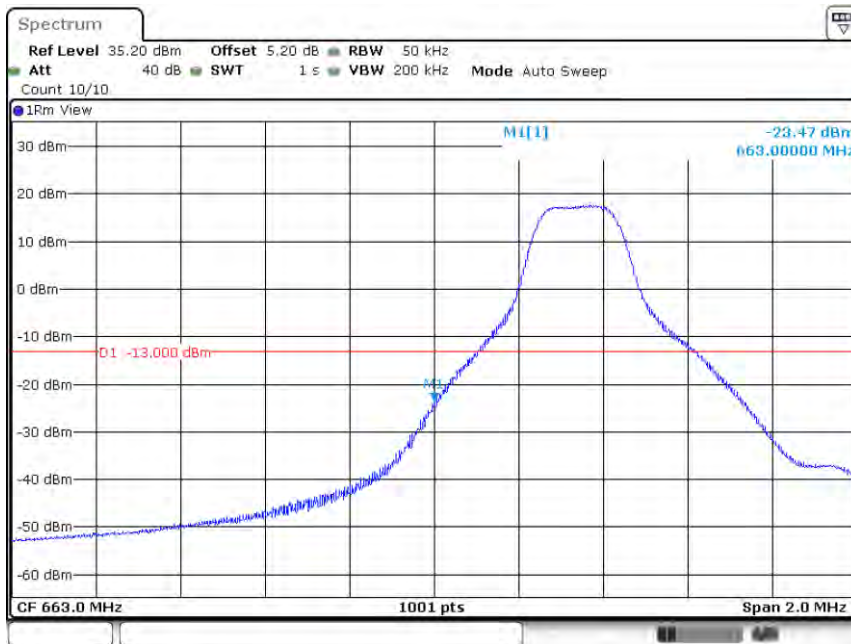
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Band71-5MHz-QPSK-133447-25RB#0



Date: 18 MAY.2021 09:54:21

Band71-5MHz-64QAM-133147-1RB#0



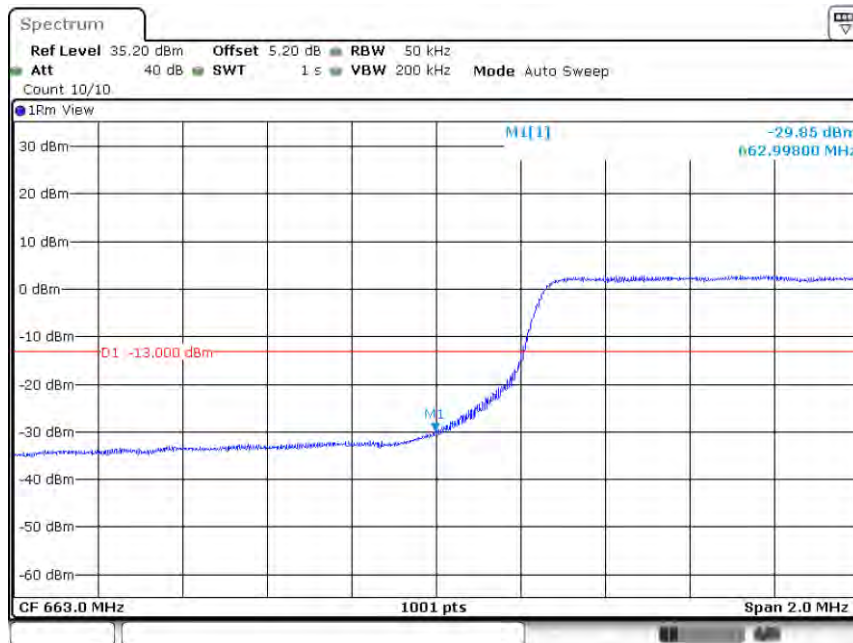
Date: 25 MAY.2021 21:14:34



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



Date: 25.MAY.2021 21:14:54

Band71-5MHz-64QAM-133447-1RB#24



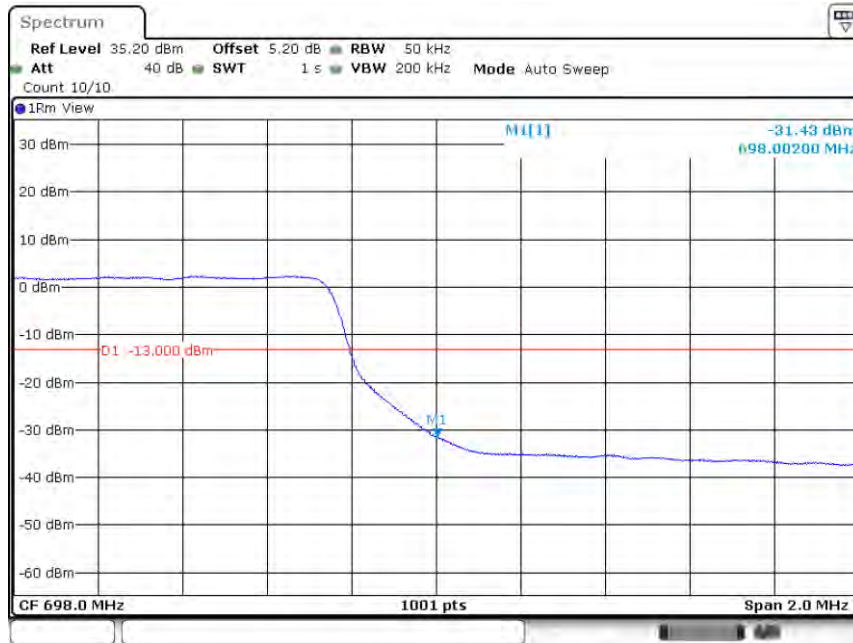
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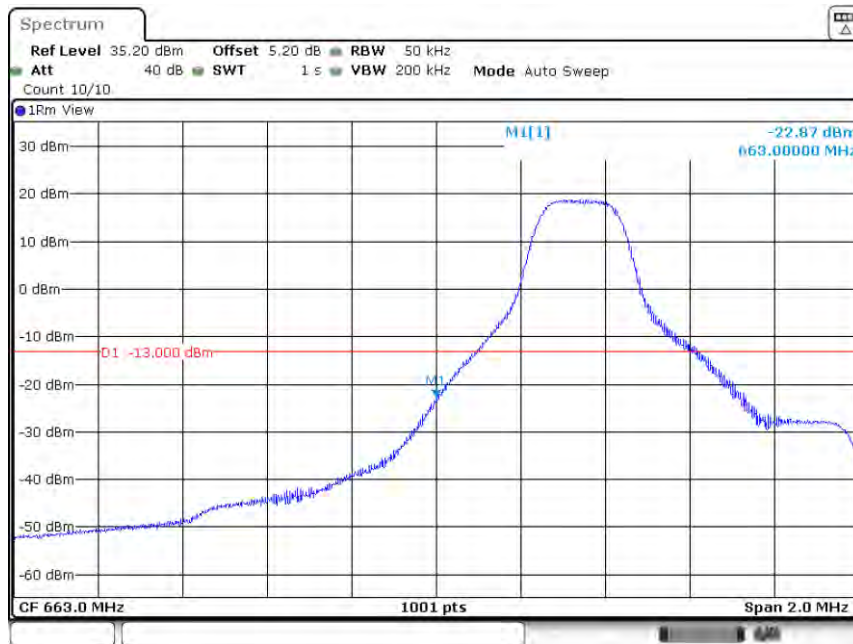


Band71-5MHz-64QAM-133447-25RB#0



Date: 25 MAY 2021 21:15:41

Band71-5MHz-16QAM-133147-1RB#0

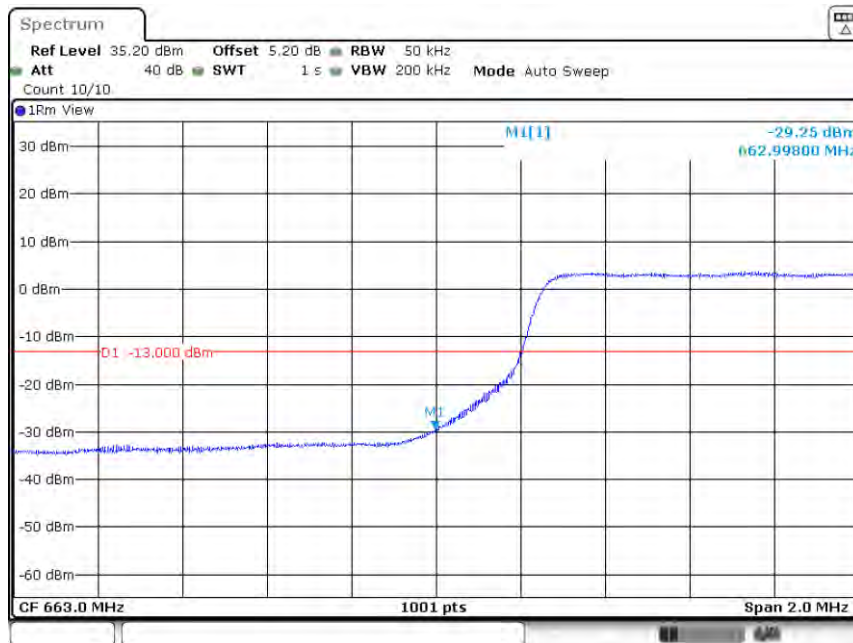


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Band71-5MHz-16QAM-133147-25RB#0



Date: 18 MAY.2021 09:53:15

Band71-5MHz-16QAM-133447-1RB#24



Date: 18 MAY.2021 09:54:00



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



Date: 18 MAY.2021 09:54:41

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

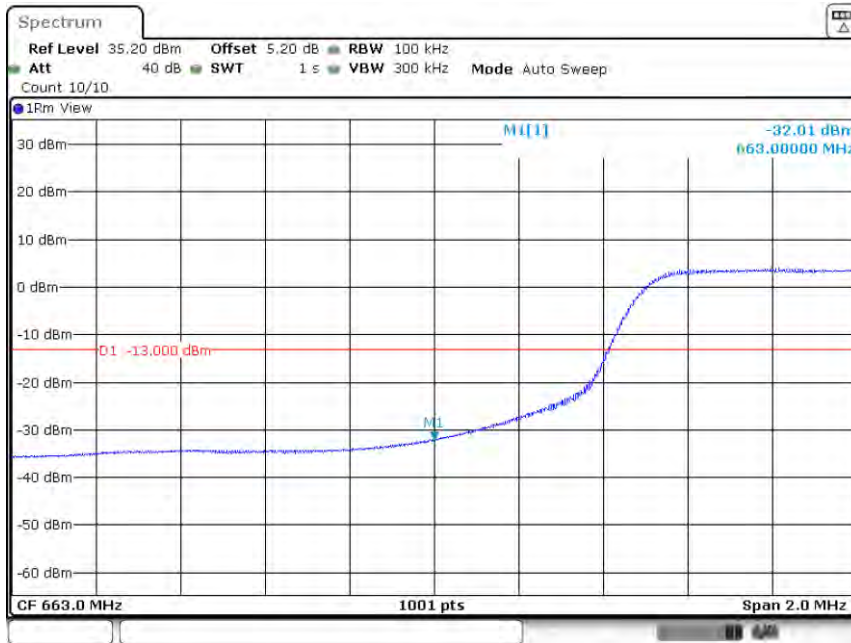


Date: 18 MAY.2021 09:55:07



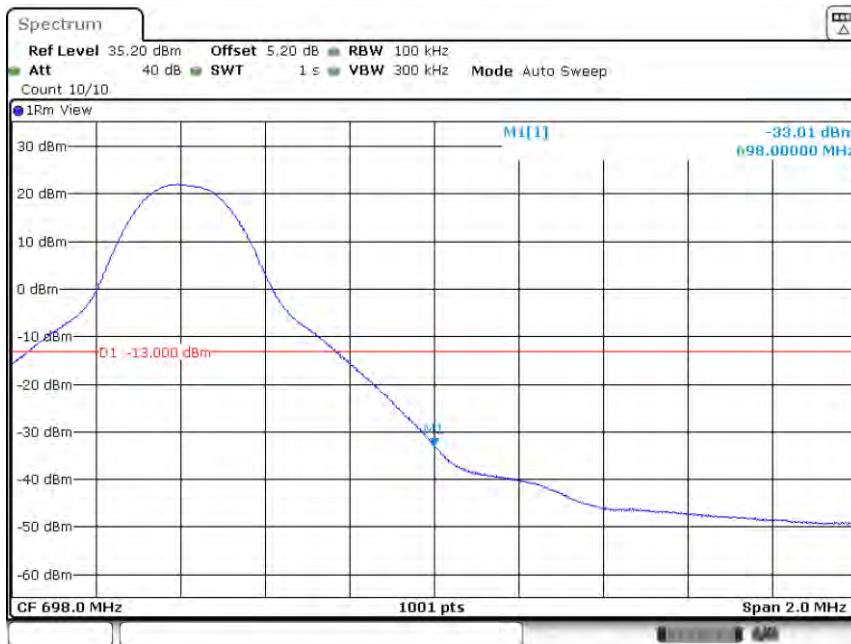
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Band71-10MHz-QPSK-133172-50RB#0



Date: 18 MAY.2021 09:55:48

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

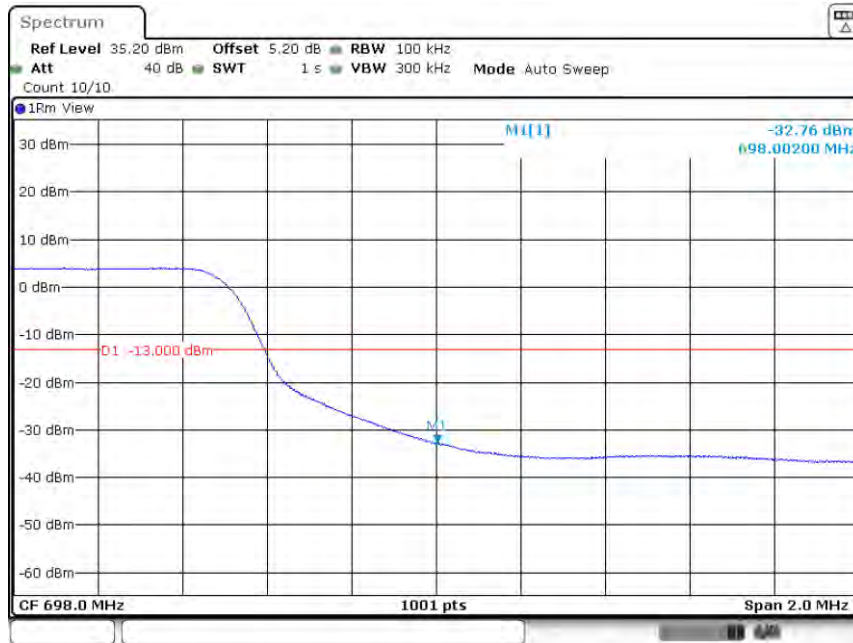


Date: 18 MAY.2021 09:56:34



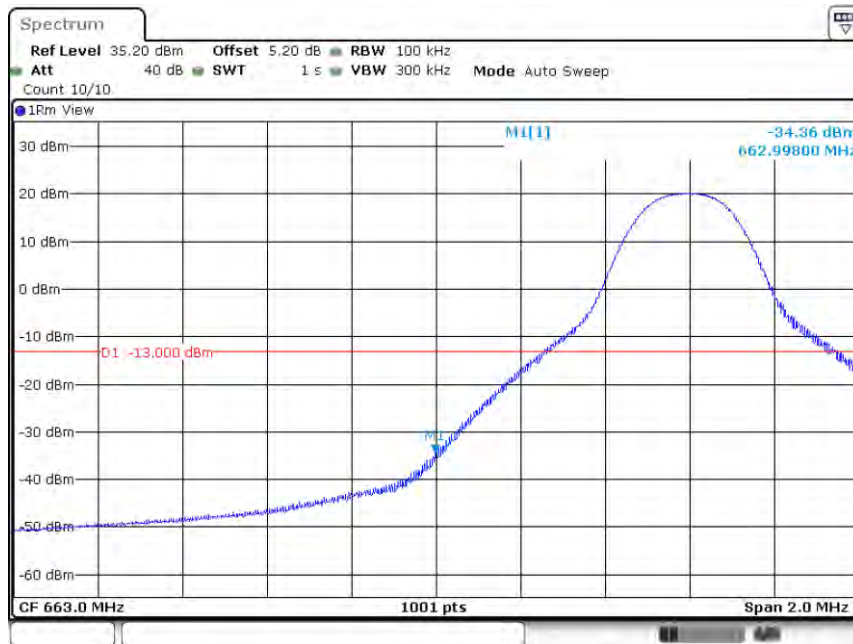
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Band71-10MHz-QPSK-133422-50RB#0



Date: 18 MAY.2021 09:57:15

Band71-10MHz-64QAM-133172-1RB#0



Date: 25 MAY.2021 21:16:08



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



Date: 25 MAY 2021 21:16:28

Band71-10MHz-64QAM-133422-1RB#49



Date: 25 MAY 2021 21:16:54



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



Date: 25 MAY 2021 21:17:15

Band71-10MHz-16QAM-133172-1RB#0

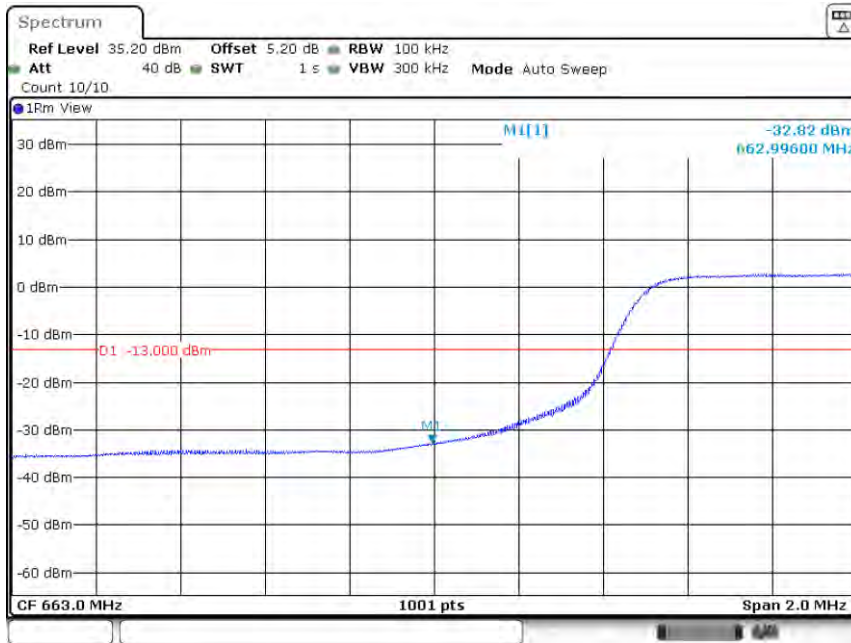


Date: 18 MAY 2021 09:55:28



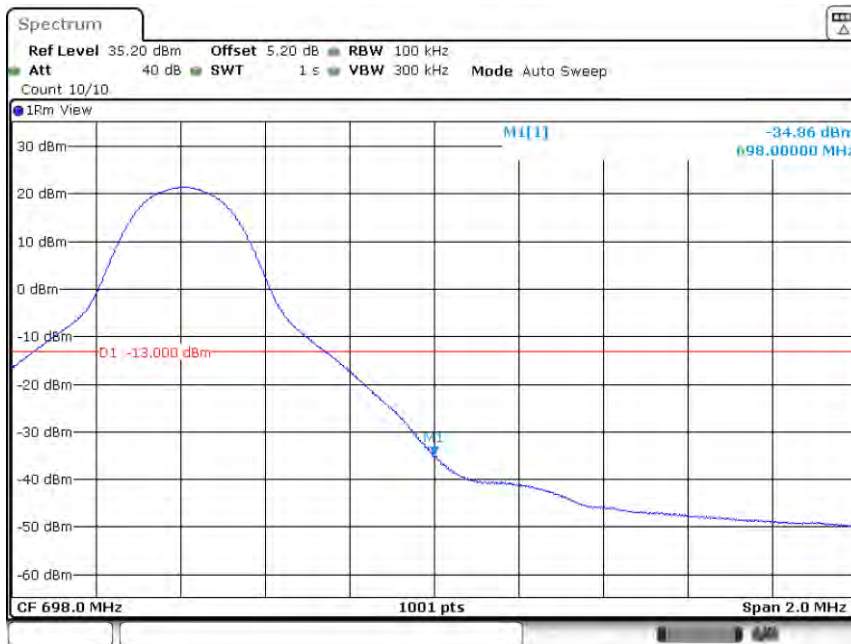
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Band71-10MHz-16QAM-133172-50RB#0



Date: 18 MAY.2021 09:56:09

Band71-10MHz-16QAM-133422-1RB#49



Date: 18 MAY.2021 09:56:54



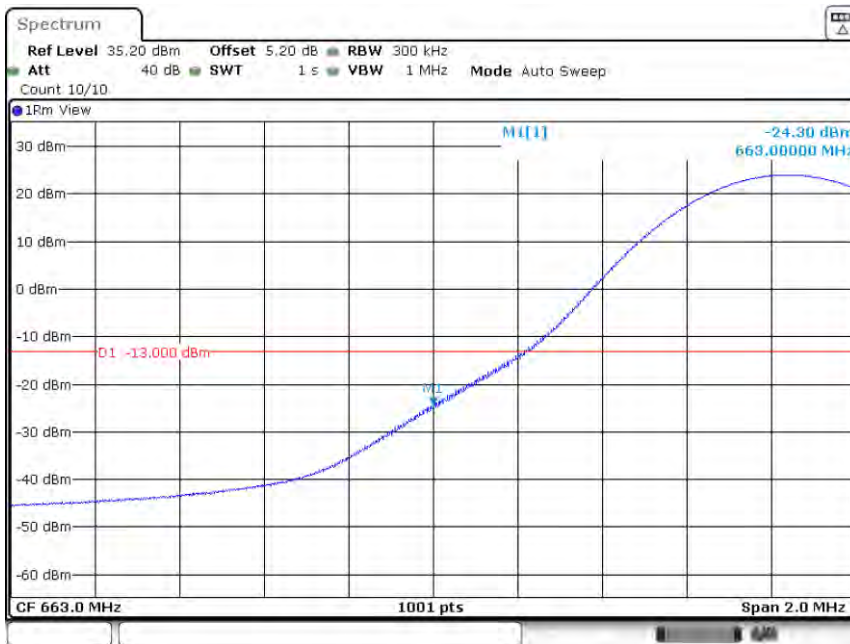
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Band71-10MHz-16QAM-133422-50RB#0



Date: 18 MAY.2021 09:57:36

Band71-15MHz-QPSK-133197-1RB#0



Date: 18 MAY.2021 09:58:01



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



Date: 18 MAY.2021 09:58:42

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



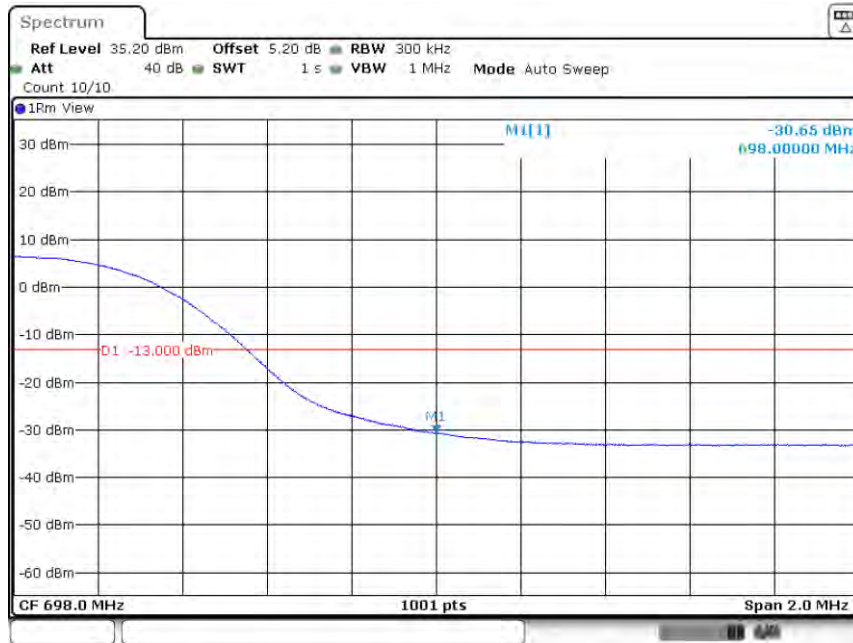
Date: 18 MAY.2021 09:59:28



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



Date: 18 MAY.2021 10:00:09

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

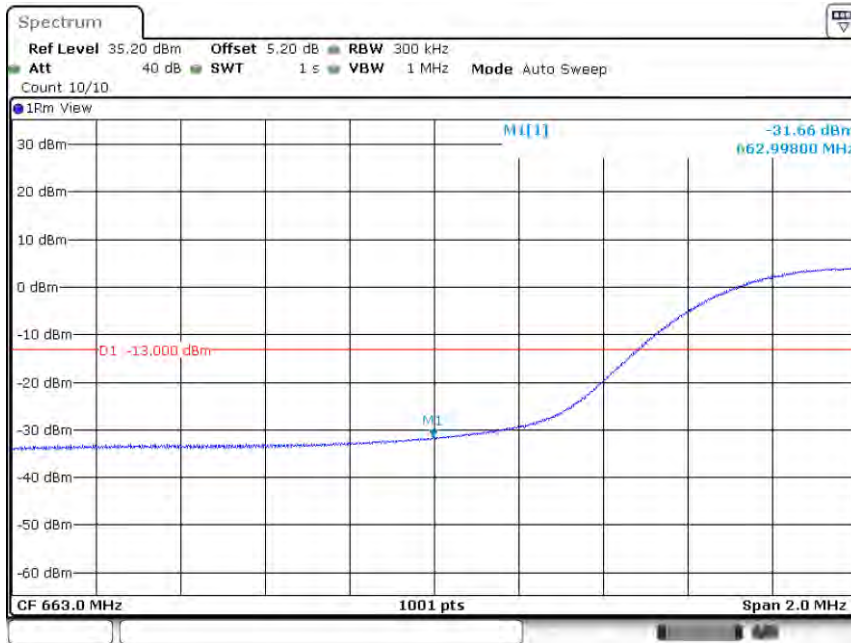


Date: 25 MAY.2021 21:17:42



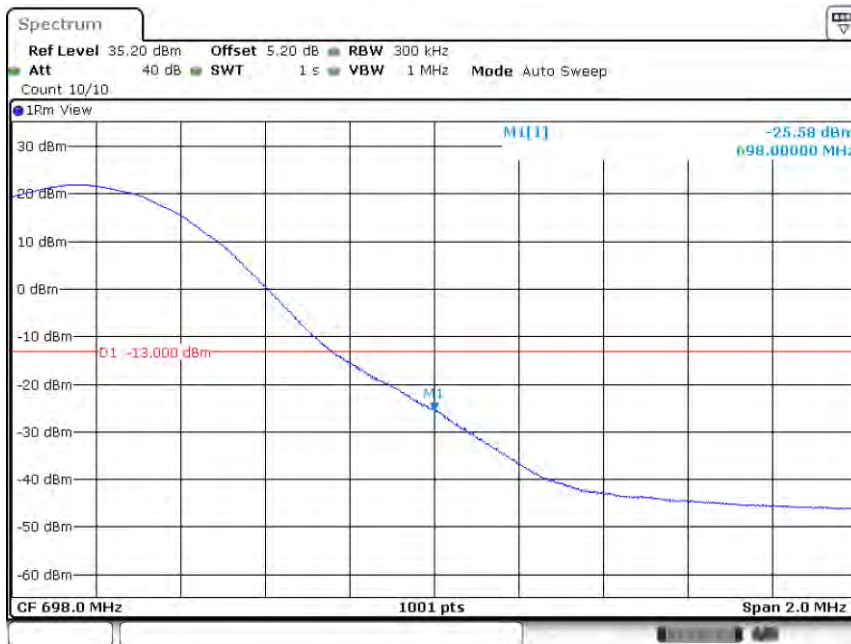
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Band71-15MHz-64QAM-133197-75RB#0



Date: 25.MAY.2021 21:18:03

Band71-15MHz-64QAM-133397-1RB#74



Date: 25.MAY.2021 21:18:29

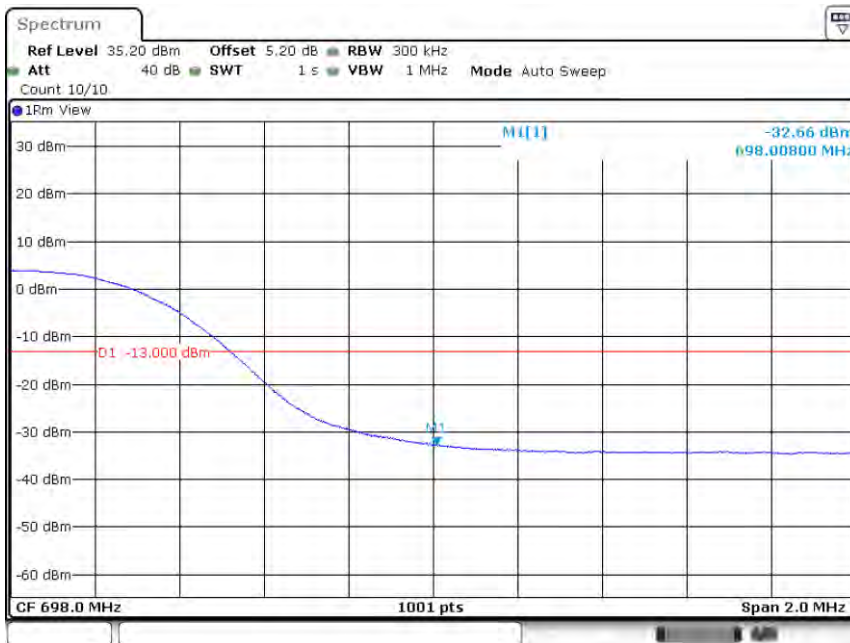


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Band71-15MHz-64QAM-133397-75RB#0



Date: 25 MAY 2021 21:18:50

Band71-15MHz-16QAM-133197-1RB#0



Date: 18 MAY 2021 09:58:22



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



Date: 18 MAY.2021 09:59:03

Band71-15MHz-16QAM-133397-1RB#74



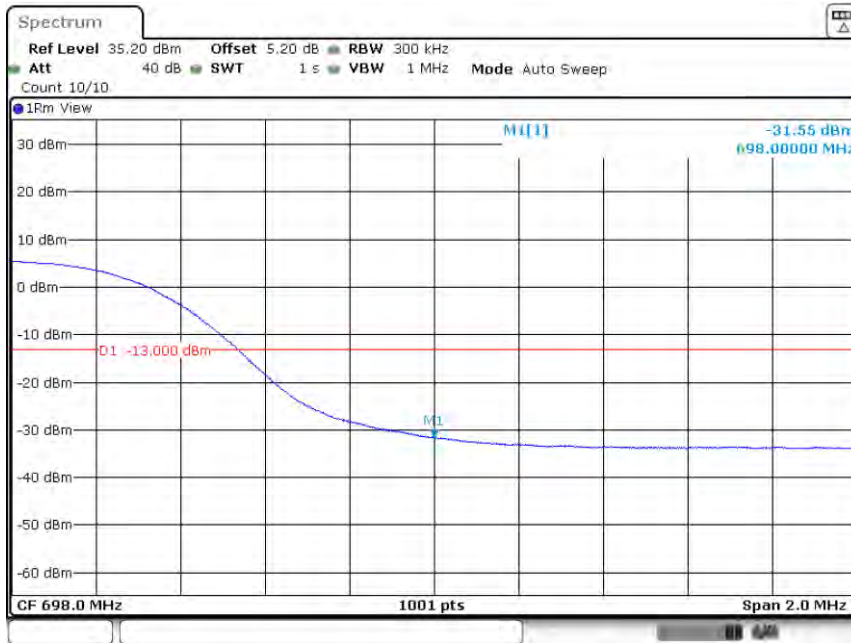
Date: 18 MAY.2021 09:59:49



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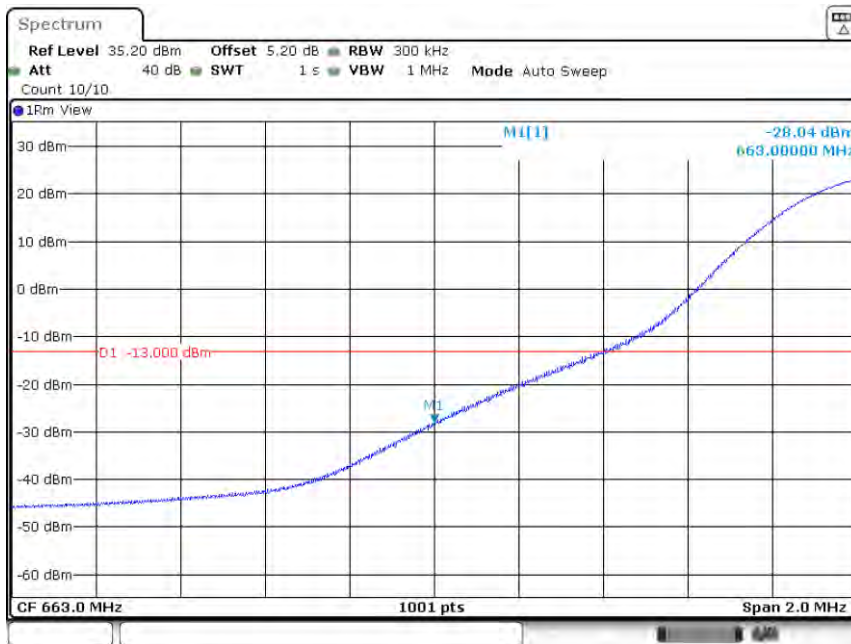


Band71-15MHz-16QAM-133397-75RB#0



Date: 18 MAY.2021 10:00:30

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



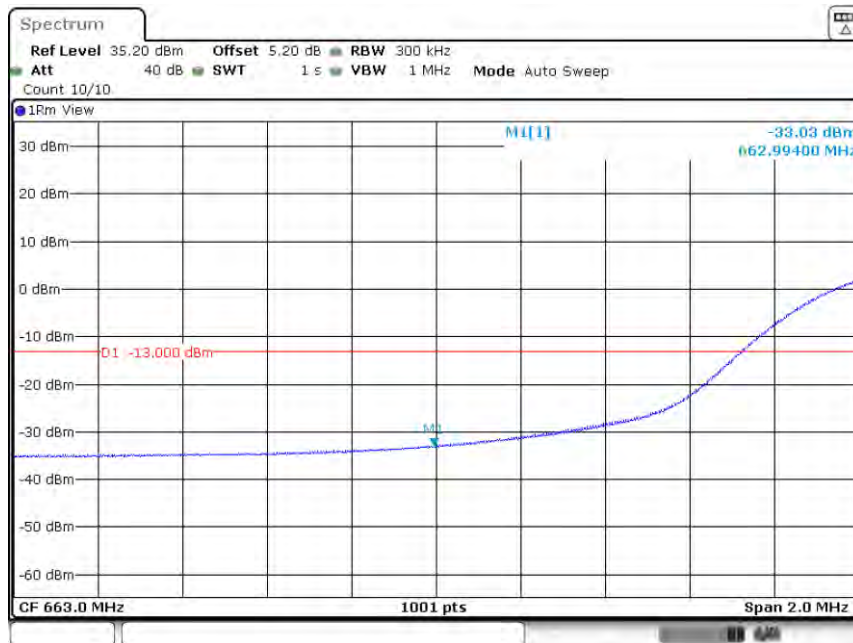
Date: 18 MAY.2021 10:00:56



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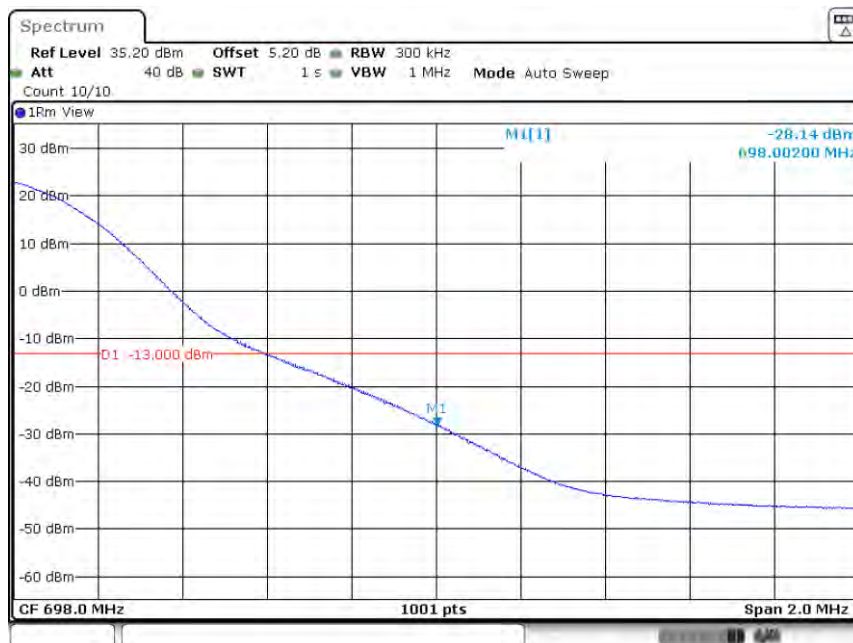


Band71-20MHz-QPSK-133222-100RB#0



Date: 18 MAY.2021 10:01:37

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



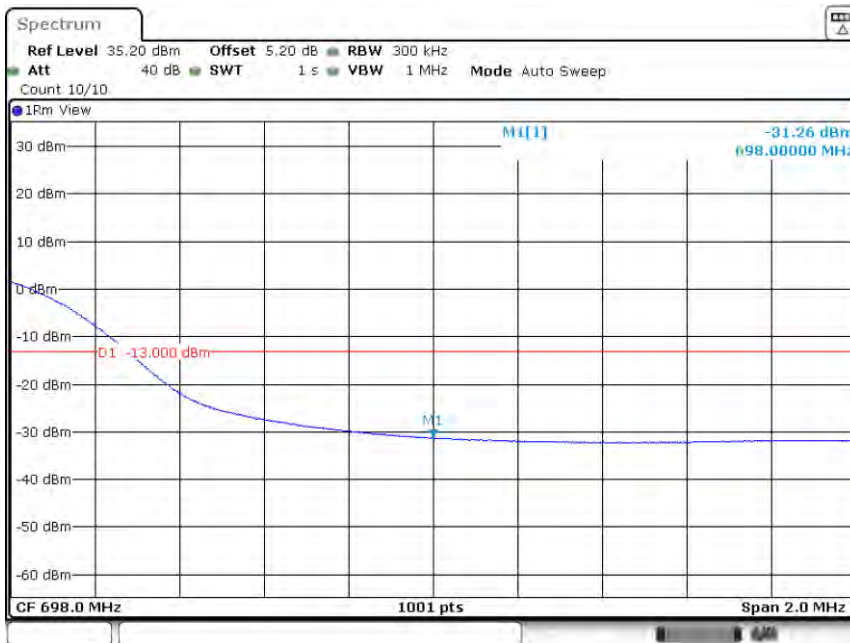
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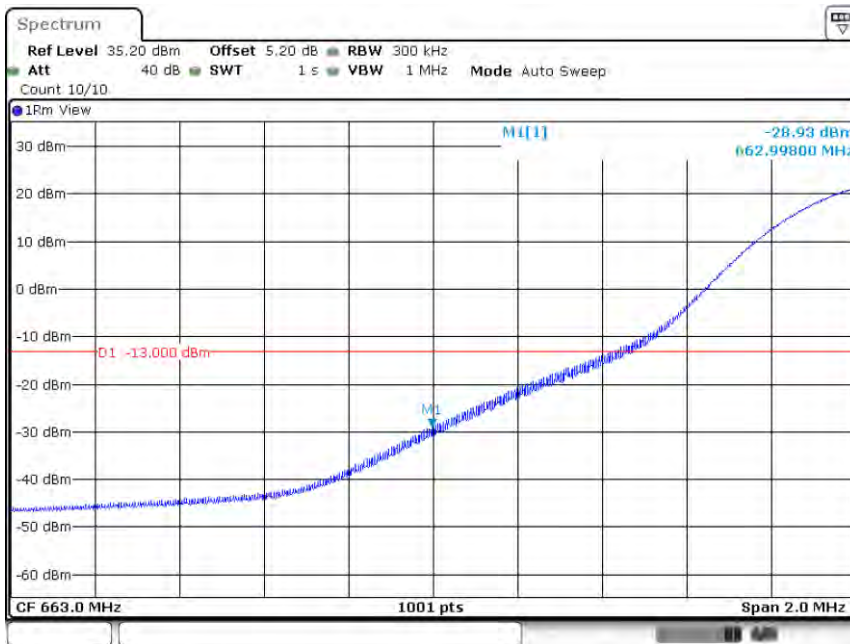


Band71-20MHz-QPSK-133372-100RB#0



Date: 18 MAY.2021 10:03:04

Band71-20MHz-64QAM-133222-1RB#0



Date: 25 MAY.2021 21:19:17



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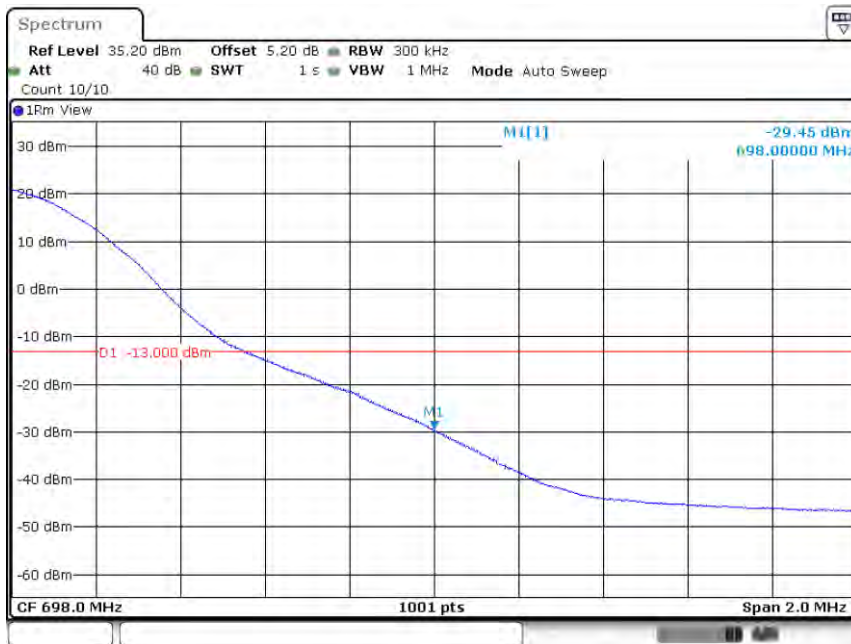


Band71-20MHz-64QAM-133222-100RB#0



Date: 25.MAY.2021 21:19:37

Band71-20MHz-64QAM-133372-1RB#99



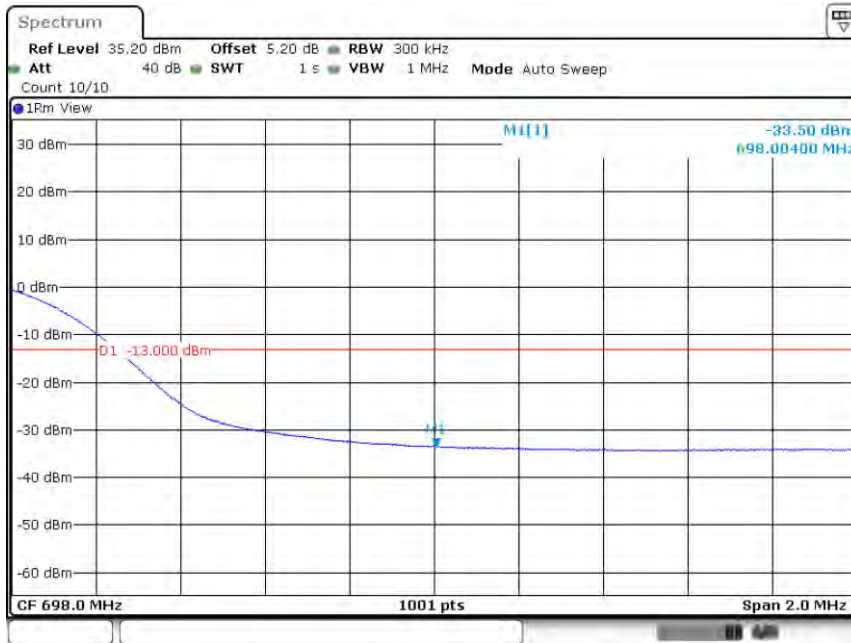
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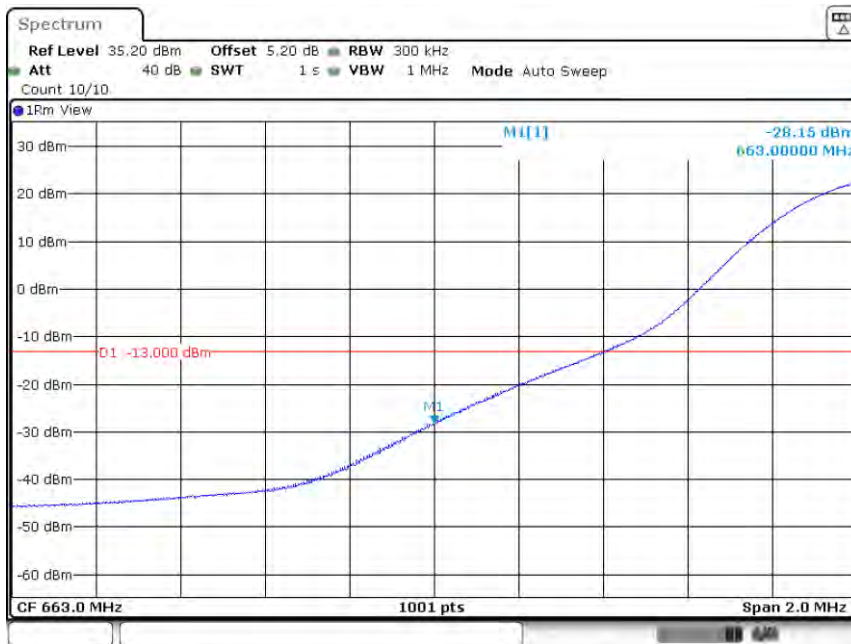


Band71-20MHz-64QAM-133372-100RB#0



Date: 25 MAY 2021 21:20:25

Band71-20MHz-16QAM-133222-1RB#0



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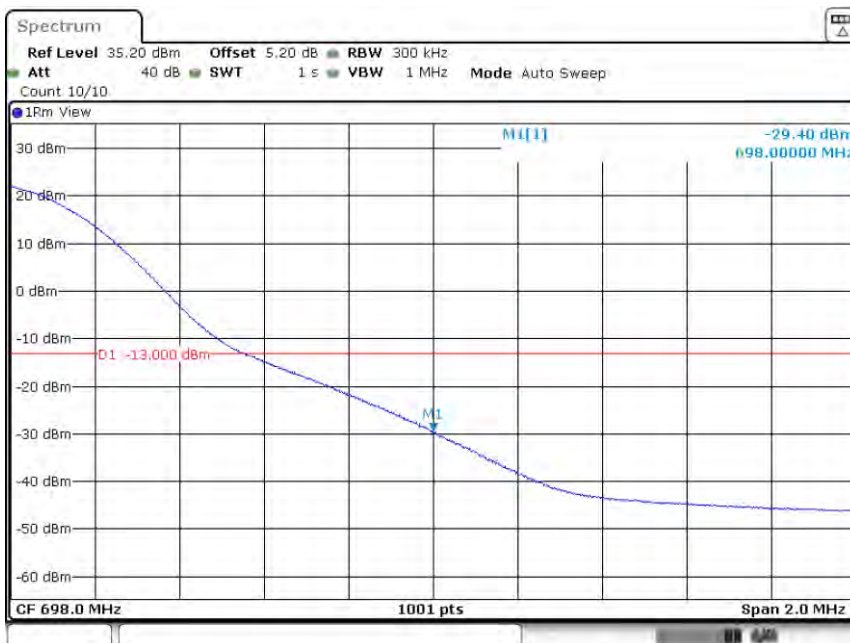


Band71-20MHz-16QAM-133222-100RB#0



Date: 18 MAY 2021 10:01:58

Band71-20MHz-16QAM-133372-1RB#99



Date: 18 MAY 2021 10:02:44

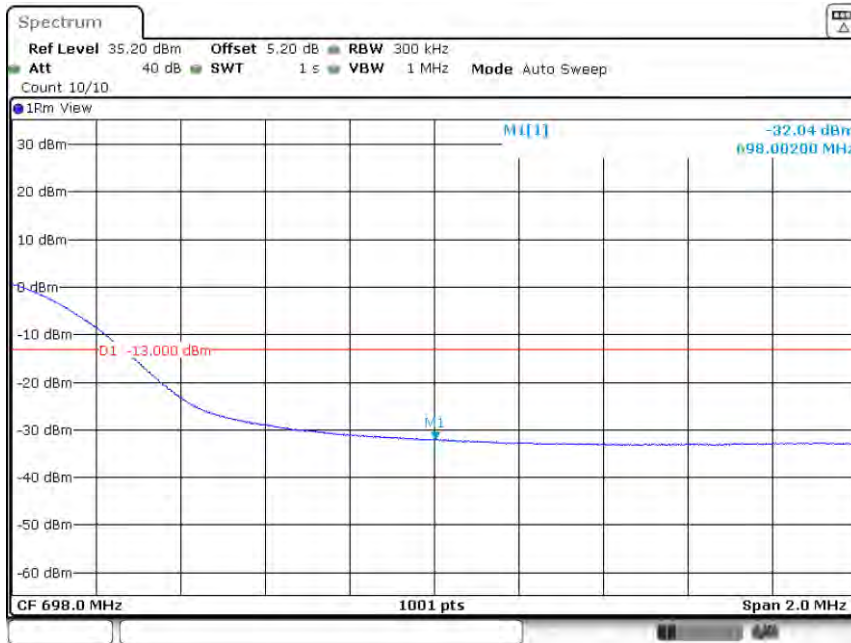


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Band71-20MHz-16QAM-133372-100RB#0



Date: 18 MAY 2021 10:03:25



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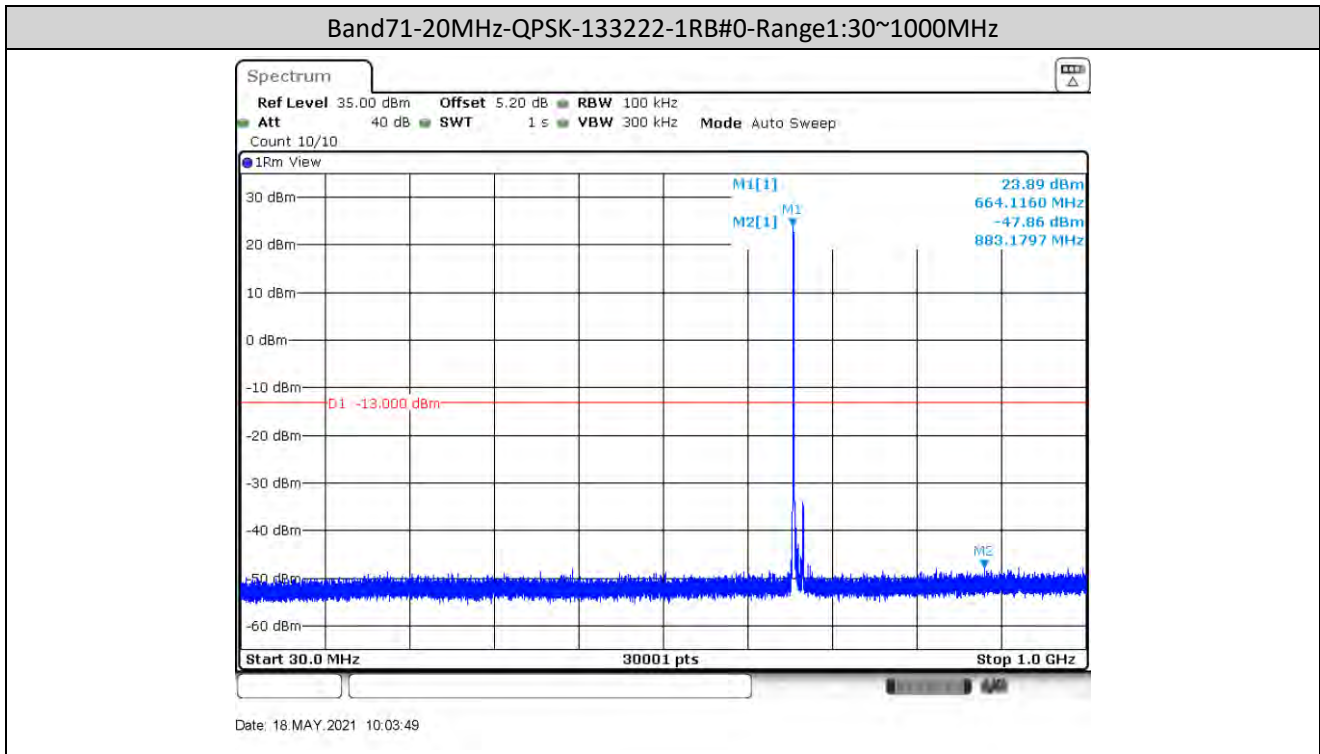
6. Spurious Emission at Antenna Terminal

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.

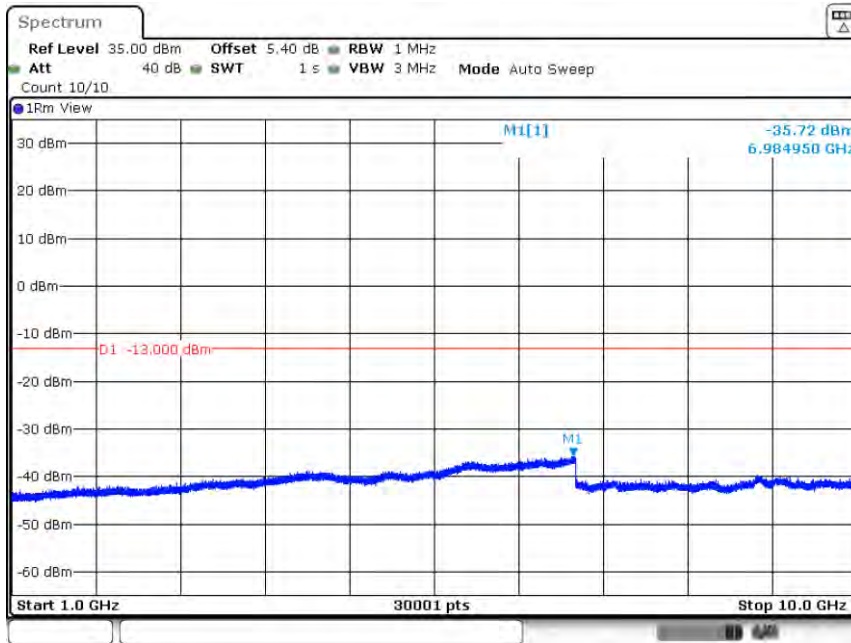
6.1. Test Plots



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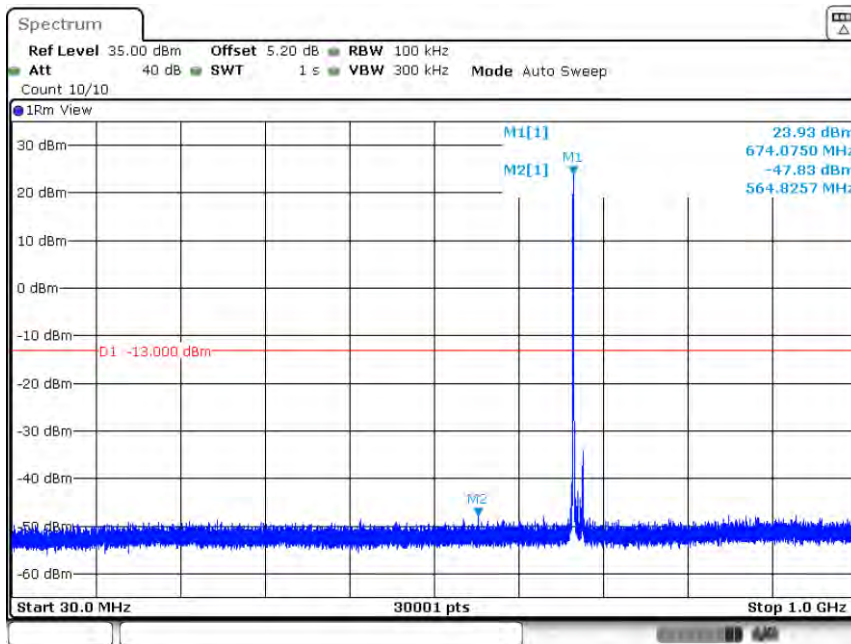
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Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 10:04:04

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



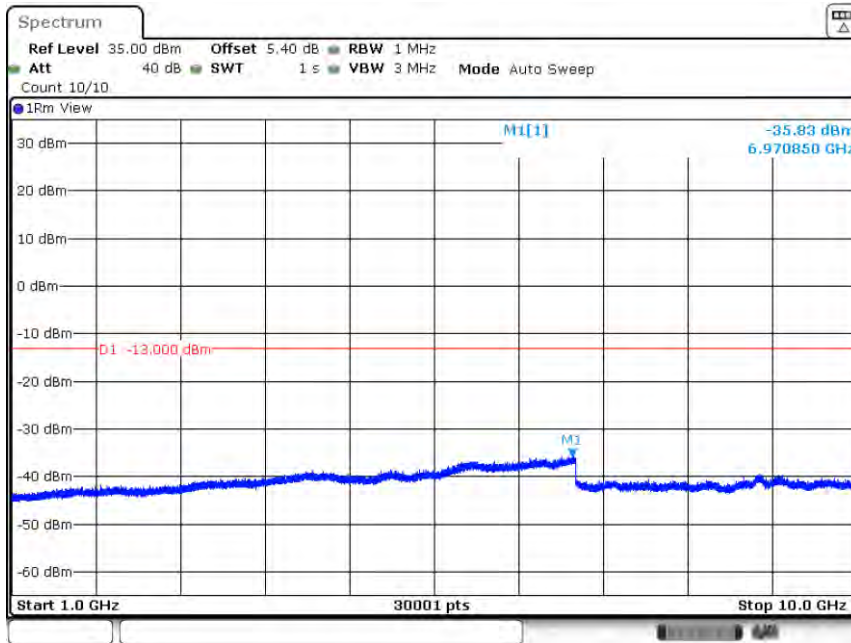
Date: 18 MAY.2021 10:05:00



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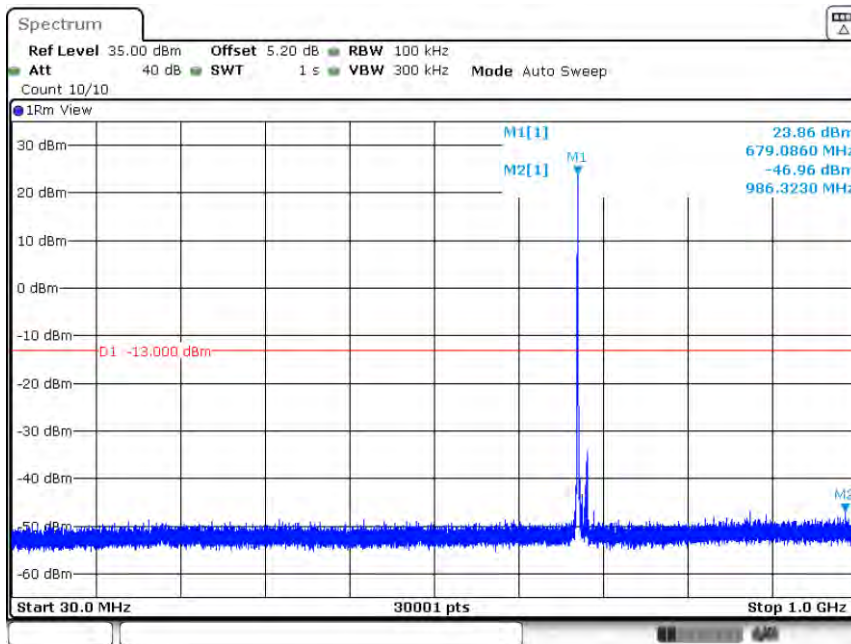
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Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 10:05:15

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

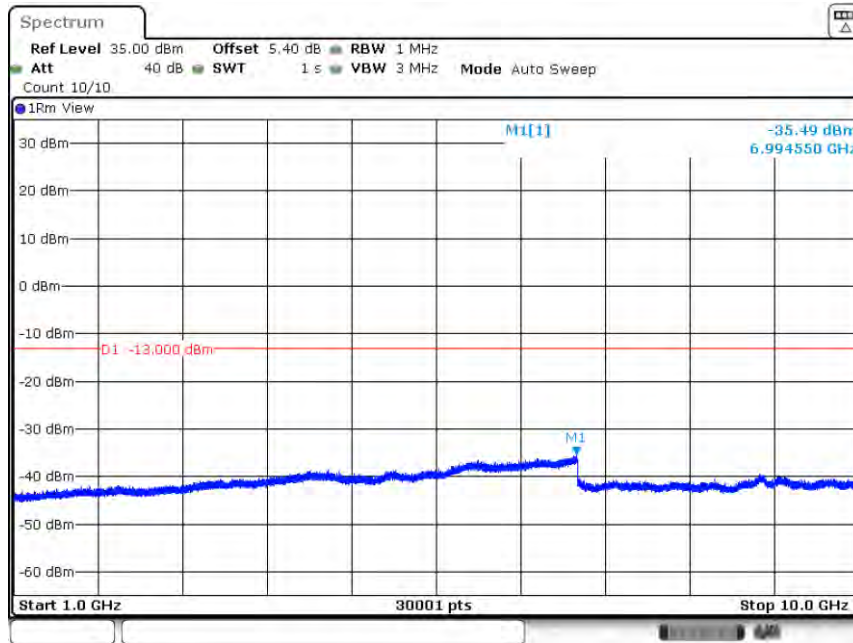


Date: 18 MAY.2021 10:06:11



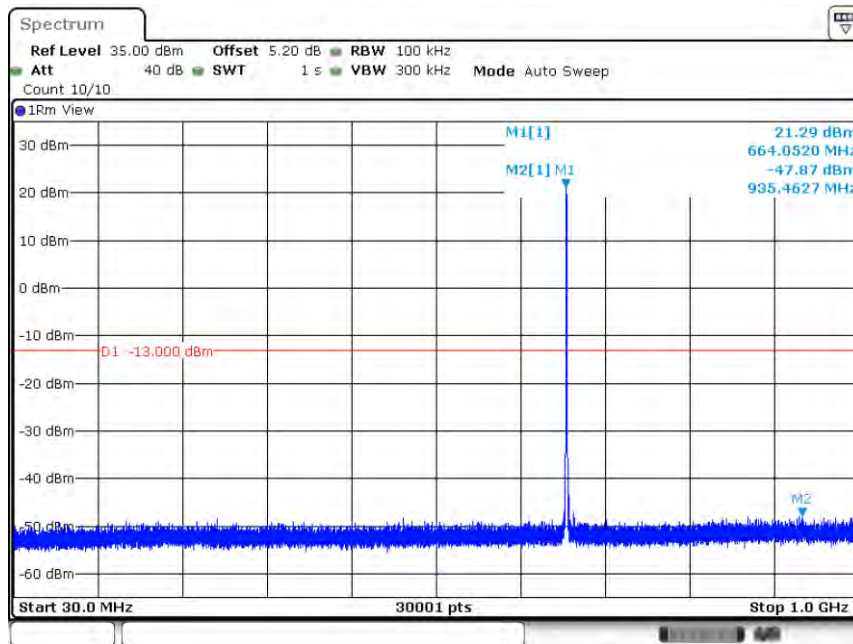
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Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 10:06:26

Band71-20MHz-64QAM-133222-1RB#0-Range1:30~1000MHz

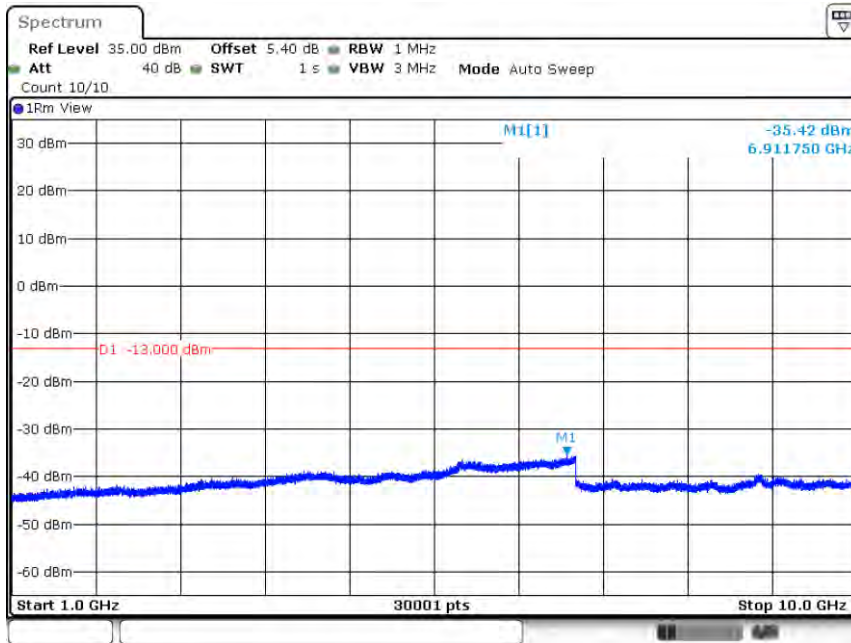


Date: 25 MAY.2021 21:20:50



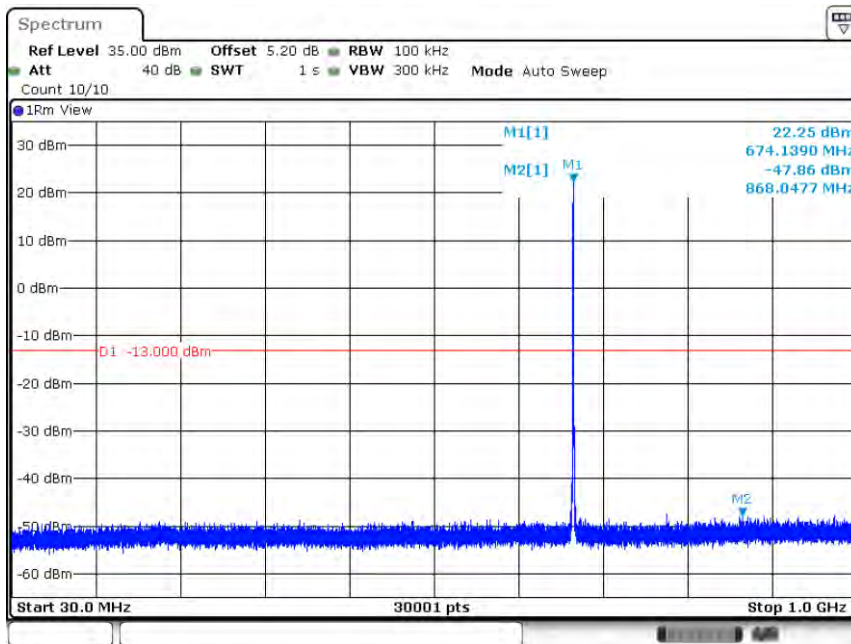
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Band71-20MHz-64QAM-133222-1RB#0-Range2:1000~10000MHz



Date: 25.MAY.2021 21:21:05

Band71-20MHz-64QAM-133322-1RB#0-Range1:30~1000MHz



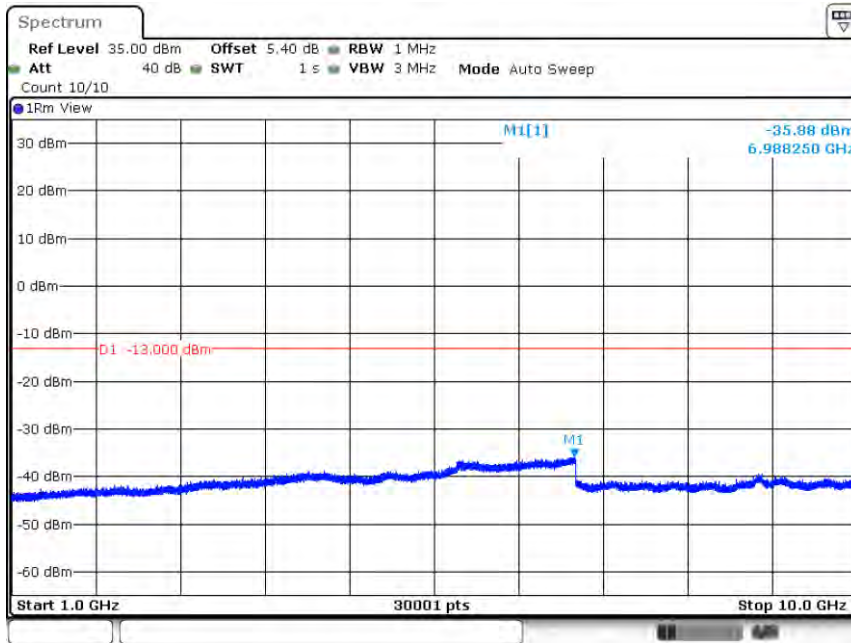
Date: 25.MAY.2021 21:21:25



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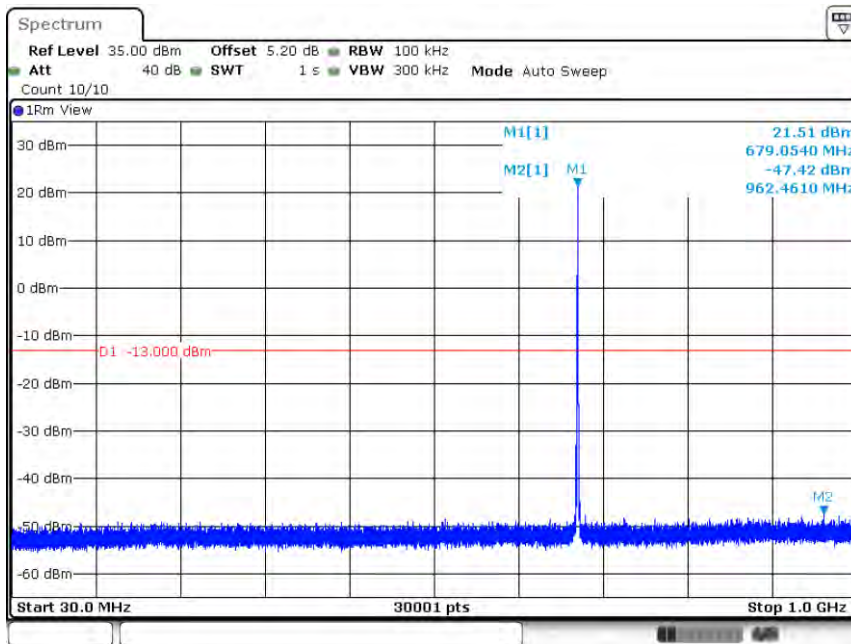
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Band71-20MHz-64QAM-133322-1RB#0-Range2:1000~10000MHz



Date: 25.MAY.2021 21:21:41

Band71-20MHz-64QAM-133372-1RB#0-Range1:30~1000MHz

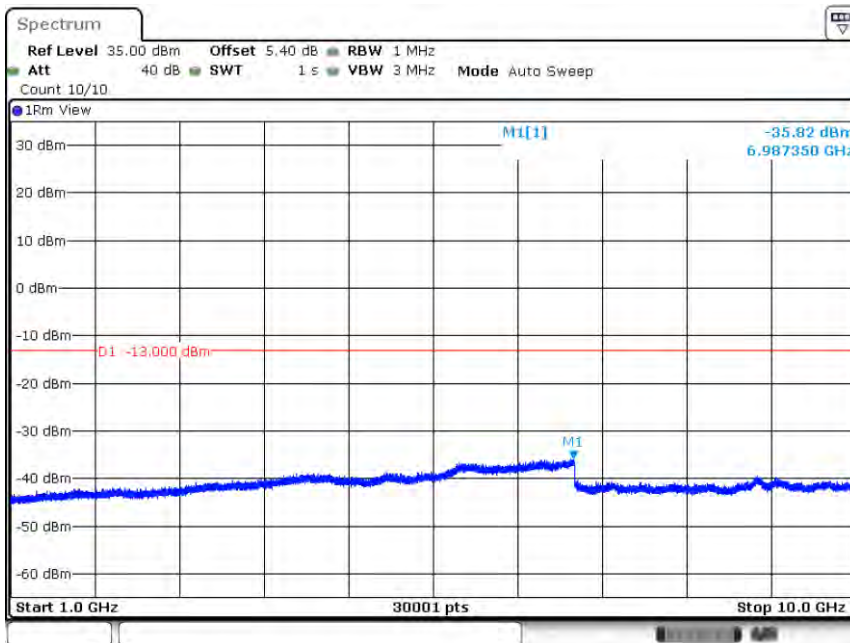


Date: 25.MAY.2021 21:22:01



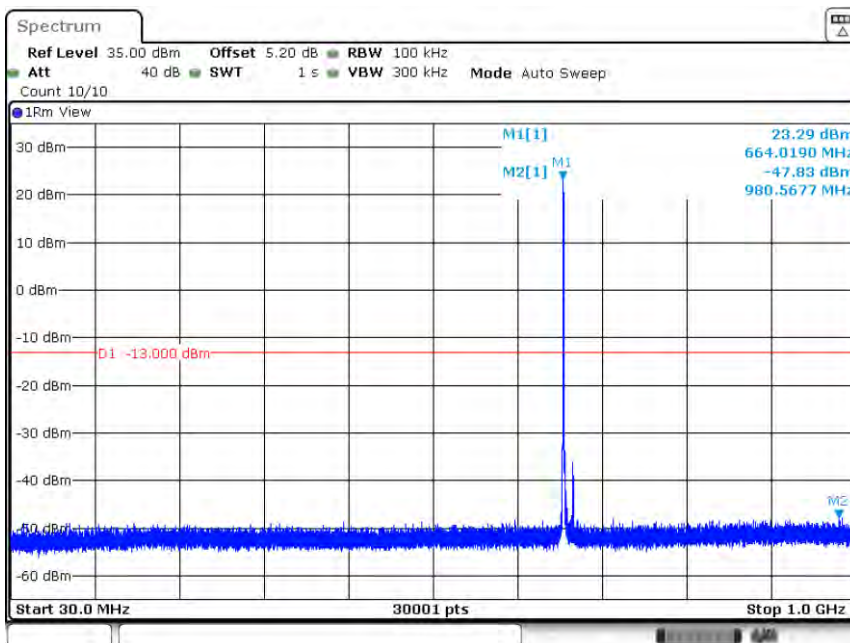
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Band71-20MHz-64QAM-133372-1RB#0-Range2:1000~10000MHz



Date: 25.MAY.2021 21:22:16

Band71-20MHz-16QAM-133222-1RB#0-Range1:30~1000MHz



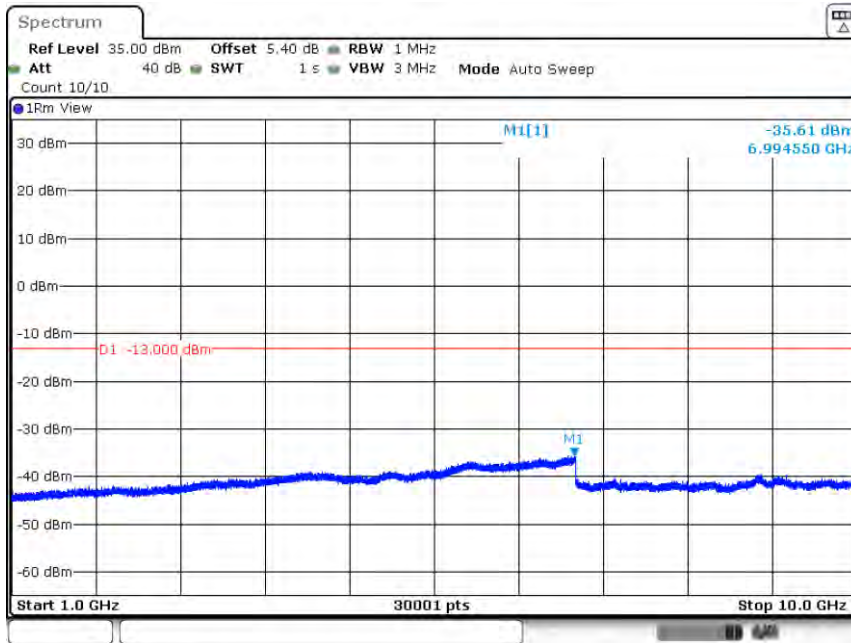
Date: 18.MAY.2021 10:04:24



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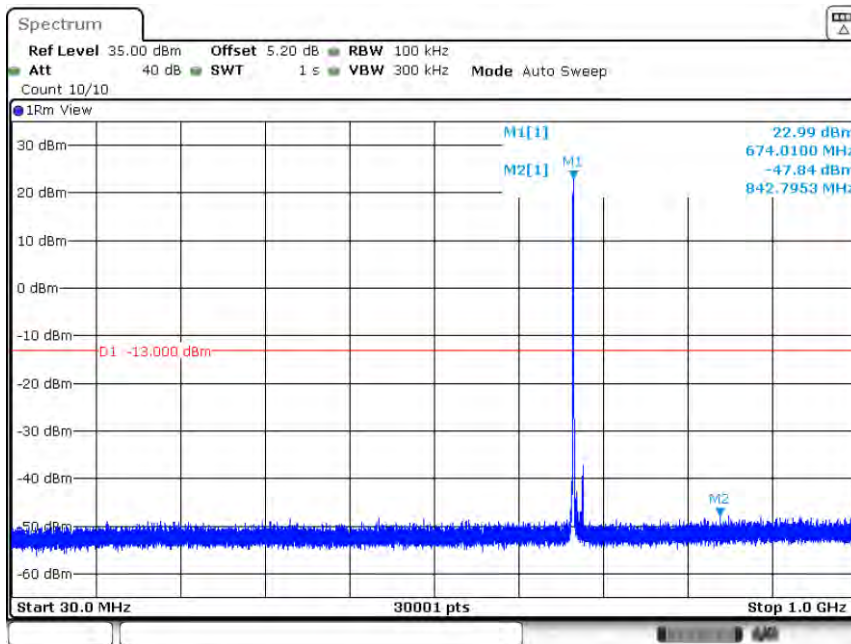
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Band71-20MHz-16QAM-133222-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 10:04:40

Band71-20MHz-16QAM-133322-1RB#0-Range1:30~1000MHz

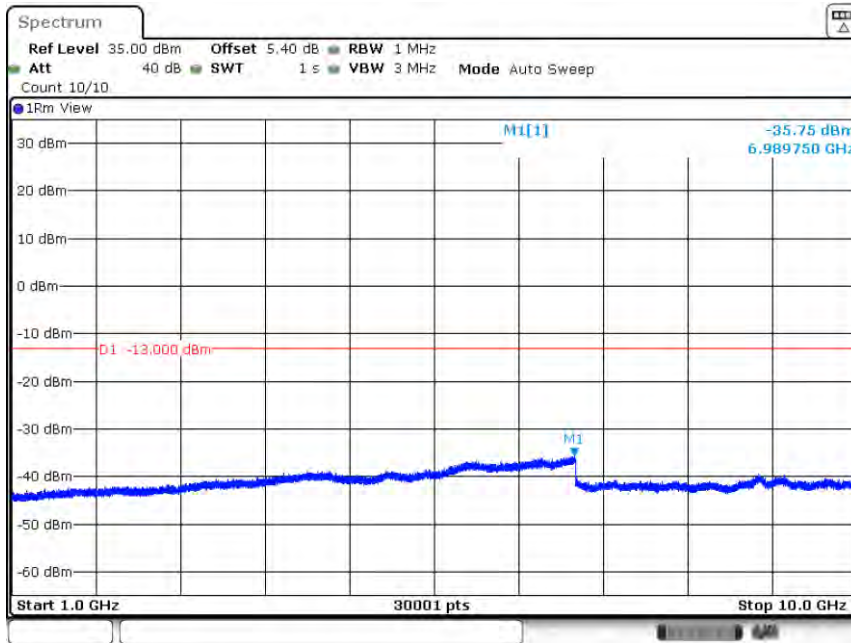


Date: 18 MAY.2021 10:05:35



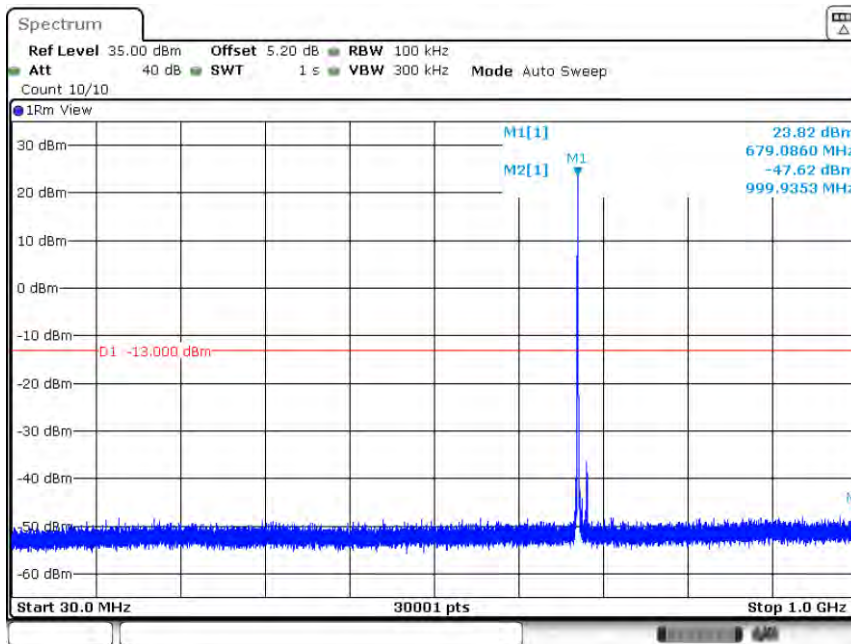
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Band71-20MHz-16QAM-133322-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 10:05:51

Band71-20MHz-16QAM-133372-1RB#0-Range1:30~1000MHz



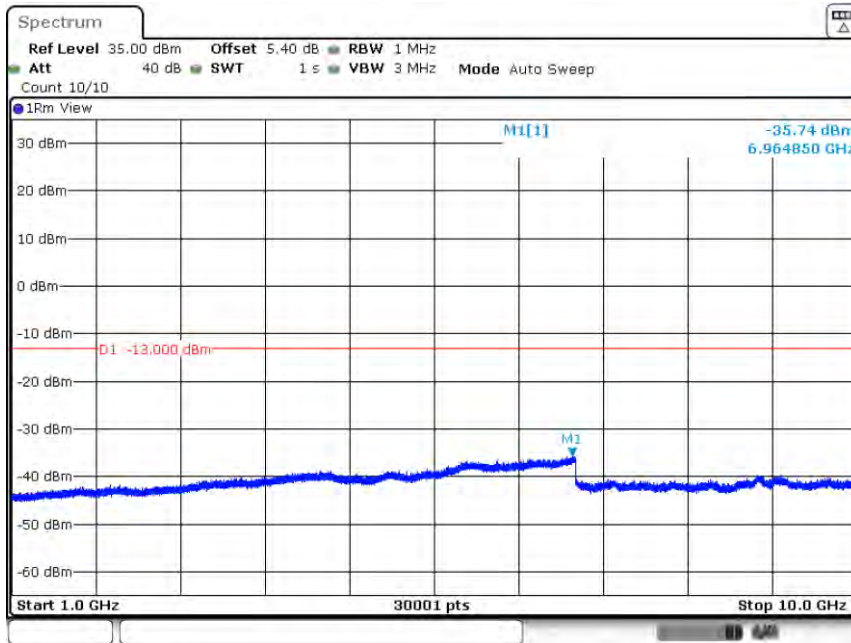
Date: 18 MAY.2021 10:06:46



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Band71-20MHz-16QAM-133372-1RB#0-Range2:1000~10000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band = _LTE_Band71

7.1.1. Test Channel = Low

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1008.8004	21.79	-65.48	-13.00	52.48	Horizontal
2	1346.1173	25.25	-63.89	-13.00	50.89	Horizontal
3	2988.5994	22.56	-60.37	-13.00	47.37	Horizontal
4	3673.0837	17.76	-97.17	-13.00	84.17	Horizontal
5	6195.6598	18.24	-88.17	-13.00	75.17	Horizontal
6	9697.9349	16.84	-81.49	-13.00	68.49	Horizontal



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7.2. Test Band = _LTE_Band71

7.2.1. Test Channel = Low

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1031.4016	22.44	-65.74	-13.00	52.74	Vertical
2	1937.0469	31.41	-56.56	-13.00	43.56	Vertical
3	2967.0984	22.38	-60.66	-13.00	47.66	Vertical
4	4306.9653	16.21	-96.62	-13.00	83.62	Vertical
5	7109.2055	18.03	-85.01	-13.00	72.01	Vertical
6	9743.0872	16.60	-81.56	-13.00	68.56	Vertical



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7.3. Test Band = _LTE_Band71

7.3.1. Test Channel = Mid

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1055.5028	20.69	-68.28	-13.00	55.28	Horizontal
2	1784.6392	21.57	-67.73	-13.00	54.73	Horizontal
3	2999.5000	22.00	-60.87	-13.00	47.87	Horizontal
4	3640.5320	17.72	-96.97	-13.00	83.97	Horizontal
5	5702.1351	18.43	-88.40	-13.00	75.40	Horizontal
6	9917.7459	16.49	-81.76	-13.00	68.76	Horizontal



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7.4. Test Band = _LTE_Band71

7.4.1. Test Channel = Mid

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1010.7005	21.43	-65.91	-13.00	52.91	Vertical
2	1348.1174	31.83	-57.30	-13.00	44.30	Vertical
3	2961.6981	22.58	-60.49	-13.00	47.49	Vertical
4	3910.3955	16.56	-97.29	-13.00	84.29	Vertical
5	7094.8547	17.65	-85.47	-13.00	72.47	Vertical
6	9705.6353	16.87	-81.44	-13.00	68.44	Vertical



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7.5. Test Band = _ LTE_Band71

7.5.1. Test Channel = High

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1013.2007	22.01	-65.44	-13.00	52.44	Horizontal
2	1358.0179	35.29	-53.83	-13.00	40.83	Horizontal
3	2990.2995	21.97	-60.95	-13.00	47.95	Horizontal
4	3282.8141	18.11	-98.22	-13.00	85.22	Horizontal
5	5706.6853	18.57	-88.37	-13.00	75.37	Horizontal
6	9955.5478	16.59	-81.62	-13.00	68.62	Horizontal



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7.6. Test Band = _LTE_Band71

7.6.1. Test Channel = High

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1029.3015	22.59	-65.51	-13.00	52.51	Vertical
2	1921.1461	26.61	-61.49	-13.00	48.49	Vertical
3	2965.9983	22.51	-60.53	-13.00	47.53	Vertical
4	3639.8320	18.20	-96.50	-13.00	83.50	Vertical
5	6300.6650	18.52	-87.51	-13.00	74.51	Vertical
6	9679.0340	16.43	-81.85	-13.00	68.85	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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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	-0.10	-0.000149	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	0.60	0.000892	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-1.00	-0.001486	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-1.00	-0.001464	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	0.10	0.000146	±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	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	2.00	0.002907	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	0.40	0.000581	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VL	NT	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VN	NT	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VH	NT	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VL	NT	-0.40	-0.000586	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VN	NT	-0.60	-0.000878	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VH	NT	-2.10	-0.003075	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VL	NT	0.20	0.000291	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VN	NT	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VH	NT	0.40	0.000581	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VL	NT	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VN	NT	1.20	0.001783	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VH	NT	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VL	NT	-0.30	-0.000439	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	-0.50	-0.000732	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	-0.50	-0.000732	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	0.70	0.001017	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	-1.40	-0.002035	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	0.80	0.001163	±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	1.00	0.001486	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-20	0.10	0.000149	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-10	1.30	0.001932	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-4.10	-0.006092	±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	0.00	0.000000	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	0.50	0.000743	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-3.80	-0.005646	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	-2.70	-0.004012	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	0.60	0.000878	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	1.20	0.001757	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	0.50	0.000732	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-0.90	-0.001318	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.40	0.002050	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	0.10	0.000146	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-0.40	-0.000586	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.70	-0.002489	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	1.00	0.001464	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	1.50	0.002180	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	0.40	0.000581	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-10	0.30	0.000436	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	0.30	0.000436	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	0.30	0.000436	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	1.30	0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	30	-1.40	-0.002035	±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	1.80	0.002616	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-30	-0.60	-0.000892	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-20	0.10	0.000149	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-10	-0.40	-0.000594	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	0	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	10	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	20	-1.10	-0.001634	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	30	0.40	0.000594	±2.5	PASS



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Band71	20MHz	64QAM	133222	100RB#0	NV	40	1.10	0.001634	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	50	0.10	0.000149	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-30	-1.00	-0.001464	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-20	-1.90	-0.002782	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-10	-0.30	-0.000439	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	0	-2.60	-0.003807	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	10	0.60	0.000878	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	20	-0.40	-0.000586	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	30	-0.10	-0.000146	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	40	-1.20	-0.001757	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	50	-0.50	-0.000732	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-30	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-20	-0.10	-0.000145	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-10	0.40	0.000581	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	0	-0.60	-0.000872	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	10	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	20	-0.20	-0.000291	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	30	0.20	0.000291	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	40	-1.00	-0.001453	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	50	-0.60	-0.000872	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	-1.30	-0.001932	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-20	1.80	0.002675	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-10	1.10	0.001634	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	0	-0.20	-0.000297	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	10	0.20	0.000297	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	20	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	30	1.80	0.002675	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	40	0.80	0.001189	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	50	1.20	0.001783	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	0.50	0.000732	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	1.10	0.001611	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-10	0.10	0.000146	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	10	-0.80	-0.001171	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	20	0.30	0.000439	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	30	-0.30	-0.000439	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	40	0.40	0.000586	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	50	-0.50	-0.000732	±2.5	PASS



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Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-0.20	-0.000291	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-20	-1.10	-0.001599	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-10	-0.30	-0.000436	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	1.30	0.001890	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	30	1.80	0.002616	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	40	-2.50	-0.003634	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	50	-0.20	-0.000291	±2.5	PASS



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