



# 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	23.42	16.27	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#13	24.51	17.36	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.33	17.18	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#0	23.15	16.00	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#6	23.52	16.37	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#13	23.40	16.25	36.98	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.41	16.26	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.39	16.24	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#13	24.28	17.13	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.10	16.95	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#0	23.09	15.94	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#6	23.47	16.32	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#13	23.33	16.18	36.98	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.23	16.08	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.45	16.30	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#13	24.27	17.12	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.10	16.95	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#0	23.01	15.86	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#6	23.29	16.14	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#13	23.20	16.05	36.98	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.09	15.94	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.03	14.88	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#13	22.02	14.87	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.95	14.80	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#0	20.98	13.83	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#6	21.00	13.85	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#13	20.95	13.80	36.98	PASS



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Band71	5MHz	64QAM	133147	25RB#0	21.04	13.89	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.02	14.87	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#13	22.05	14.90	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.97	14.82	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#0	21.05	13.90	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#6	21.02	13.87	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#13	20.99	13.84	36.98	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.97	13.82	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.97	14.82	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#13	22.05	14.90	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.95	14.80	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#0	21.04	13.89	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#6	20.97	13.82	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#13	20.98	13.83	36.98	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.99	13.84	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.84	15.69	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#13	24.07	16.92	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.95	16.80	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#0	22.27	15.12	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#6	22.55	15.40	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#13	22.40	15.25	36.98	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.43	15.28	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.91	15.76	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#13	23.86	16.71	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.45	16.30	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#0	22.08	14.93	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#6	22.44	15.29	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#13	22.29	15.14	36.98	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.26	15.11	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.93	15.78	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#13	23.61	16.46	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.43	16.28	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#0	22.06	14.91	36.98	PASS



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Band71	5MHz	16QAM	133447	12RB#6	22.32	15.17	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#13	22.24	15.09	36.98	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.07	14.92	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.50	16.35	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#25	24.64	17.49	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.40	17.25	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#0	23.30	16.15	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#13	23.59	16.44	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#25	23.53	16.38	36.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.49	16.34	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.51	16.36	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#25	24.38	17.23	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.23	17.08	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#0	23.11	15.96	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#13	23.50	16.35	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#25	23.34	16.19	36.98	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.33	16.18	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.60	16.45	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#25	24.42	17.27	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.18	17.03	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#0	23.09	15.94	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#13	23.44	16.29	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#25	23.23	16.08	36.98	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.20	16.05	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.05	14.90	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#25	22.02	14.87	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.00	14.85	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#0	21.03	13.88	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#13	21.04	13.89	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#25	21.04	13.89	36.98	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.01	13.86	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.95	14.80	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#25	22.05	14.90	36.98	PASS



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Band71	10MHz	64QAM	133297	1RB#49	21.95	14.80	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#0	20.96	13.81	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#13	21.04	13.89	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#25	21.01	13.86	36.98	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.95	13.80	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.97	14.82	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#25	22.02	14.87	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.99	14.84	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#0	20.99	13.84	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#13	21.04	13.89	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#25	20.95	13.80	36.98	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.00	13.85	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.97	15.82	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#25	24.21	17.06	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#49	24.02	16.87	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#0	22.28	15.13	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#13	22.71	15.56	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#25	22.47	15.32	36.98	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.51	15.36	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.99	15.84	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#25	23.89	16.74	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.57	16.42	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#0	22.18	15.03	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#13	22.48	15.33	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#25	22.40	15.25	36.98	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.38	15.23	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.97	15.82	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#25	23.63	16.48	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.56	16.41	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#0	22.14	14.99	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#13	22.39	15.24	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#25	22.26	15.11	36.98	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.19	15.04	36.98	PASS



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Band71	15MHz	QPSK	133197	1RB#0	23.58	16.43	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.68	17.53	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.45	17.30	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#0	23.36	16.21	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#18	23.67	16.52	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#39	23.56	16.41	36.98	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.55	16.40	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.62	16.47	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.50	17.35	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.28	17.13	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#0	23.24	16.09	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#18	23.59	16.44	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#39	23.45	16.30	36.98	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.48	16.33	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.63	16.48	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.50	17.35	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.27	17.12	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#0	23.18	16.03	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#18	23.47	16.32	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#39	23.37	16.22	36.98	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.25	16.10	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.99	14.84	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.02	14.87	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.00	14.85	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#0	20.97	13.82	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#18	21.04	13.89	36.98	PASS
Band71	15MHz	64QAM	133197	36RB#39	21.03	13.88	36.98	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.03	13.88	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.01	14.86	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.97	14.82	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.03	14.88	36.98	PASS
Band71	15MHz	64QAM	133297	36RB#0	21.02	13.87	36.98	PASS
Band71	15MHz	64QAM	133297	36RB#18	20.97	13.82	36.98	PASS



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Band71	15MHz	64QAM	133297	36RB#39	21.05	13.90	36.98	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.98	13.83	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.95	14.80	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.05	14.90	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.03	14.88	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#0	20.97	13.82	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#18	21.02	13.87	36.98	PASS
Band71	15MHz	64QAM	133397	36RB#39	21.02	13.87	36.98	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.04	13.89	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.06	15.91	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#38	24.23	17.08	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#74	24.09	16.94	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#0	22.37	15.22	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#18	22.73	15.58	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#39	22.59	15.44	36.98	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.61	15.46	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.08	15.93	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#38	24.01	16.86	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.67	16.52	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#0	22.27	15.12	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#18	22.55	15.40	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#39	22.46	15.31	36.98	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.40	15.25	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.05	15.90	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.73	16.58	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.65	16.50	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#0	22.15	15.00	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#18	22.48	15.33	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#39	22.32	15.17	36.98	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.30	15.15	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.67	16.52	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#50	24.76	17.61	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.53	17.38	36.98	PASS



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Band71	20MHz	QPSK	133222	50RB#0	23.42	16.27	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#25	23.78	16.63	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#50	23.66	16.51	36.98	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.66	16.51	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.67	16.52	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#50	24.56	17.41	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.35	17.20	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#0	23.30	16.15	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#25	23.68	16.53	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#50	23.51	16.36	36.98	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.53	16.38	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.73	16.58	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#50	24.57	17.42	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.34	17.19	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#0	23.26	16.11	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#25	23.58	16.43	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#50	23.42	16.27	36.98	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.34	16.19	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.05	14.90	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#50	21.97	14.82	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.01	14.86	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#0	20.99	13.84	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#25	21.03	13.88	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#50	21.03	13.88	36.98	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.04	13.89	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.05	14.90	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#50	21.98	14.83	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.99	14.84	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#0	20.96	13.81	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#25	20.95	13.80	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#50	20.98	13.83	36.98	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.05	13.90	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.96	14.81	36.98	PASS



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Band71	20MHz	64QAM	133372	1RB#50	21.98	14.83	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.00	14.85	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#0	21.05	13.90	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#25	20.97	13.82	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#50	20.98	13.83	36.98	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.99	13.84	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.15	16.00	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#50	23.89	16.74	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#99	24.18	17.03	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#0	22.43	15.28	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#25	22.82	15.67	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#50	22.67	15.52	36.98	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.66	15.51	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.16	16.01	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#50	23.95	16.80	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.75	16.60	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#0	22.32	15.17	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#25	22.66	15.51	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#50	22.56	15.41	36.98	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.49	15.34	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.15	16.00	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#50	23.80	16.65	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.70	16.55	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#0	22.26	15.11	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#25	22.57	15.42	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#50	22.43	15.28	36.98	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.36	15.21	36.98	PASS

Remark:

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

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

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



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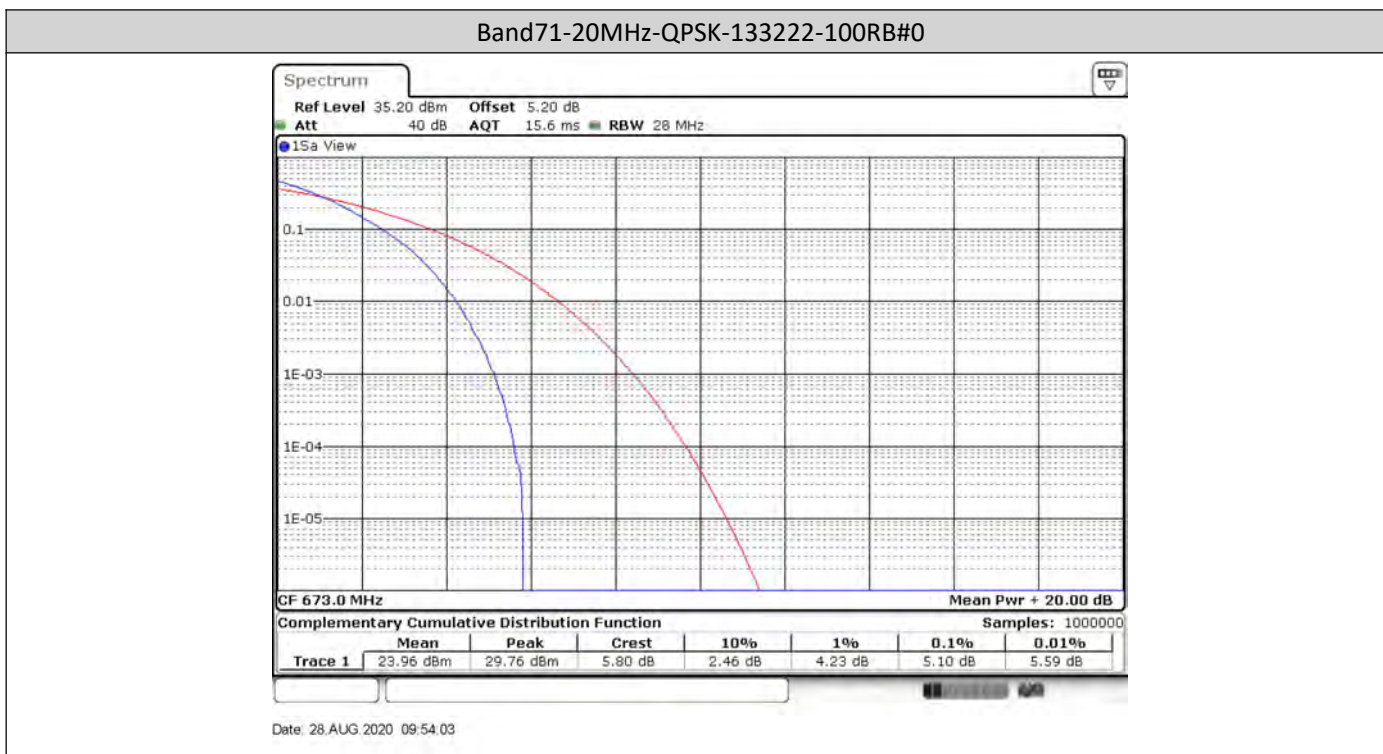


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.10	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.19	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.19	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.14	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.20	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.29	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.91	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.91	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.88	13	PASS

### 2.2. Test Plots

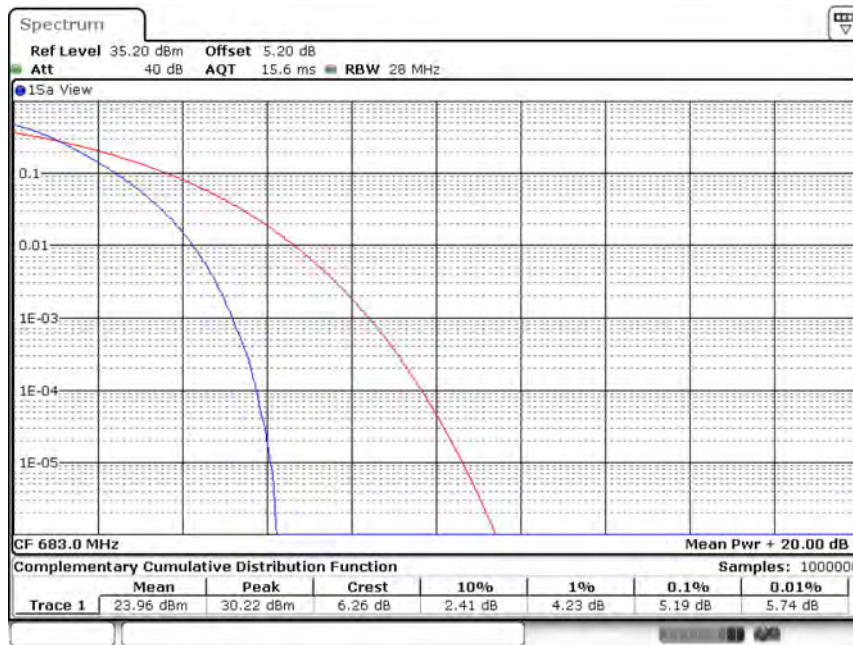


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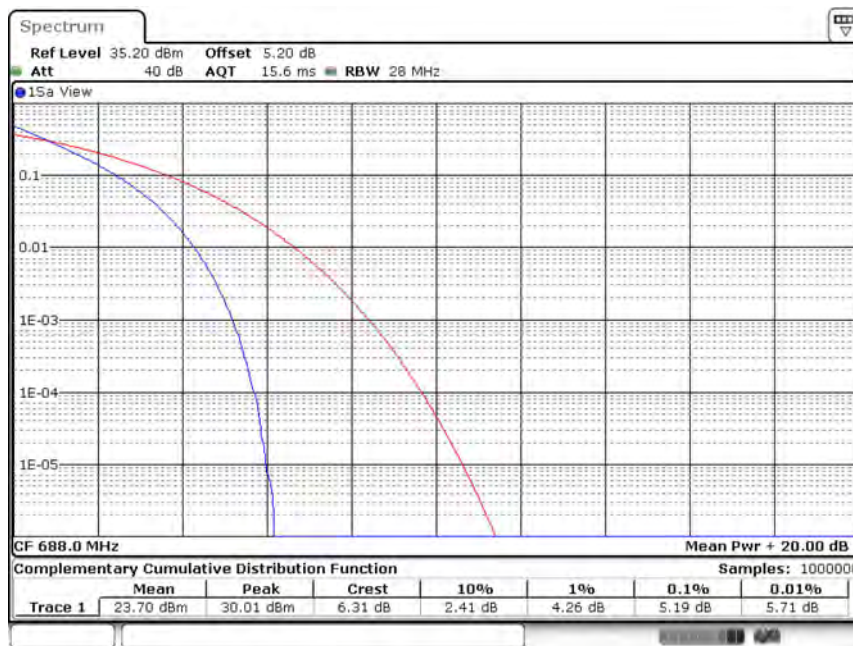
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**Band71-20MHz-QPSK-133322-100RB#0**



Date: 28.AUG.2020 09:54:25

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

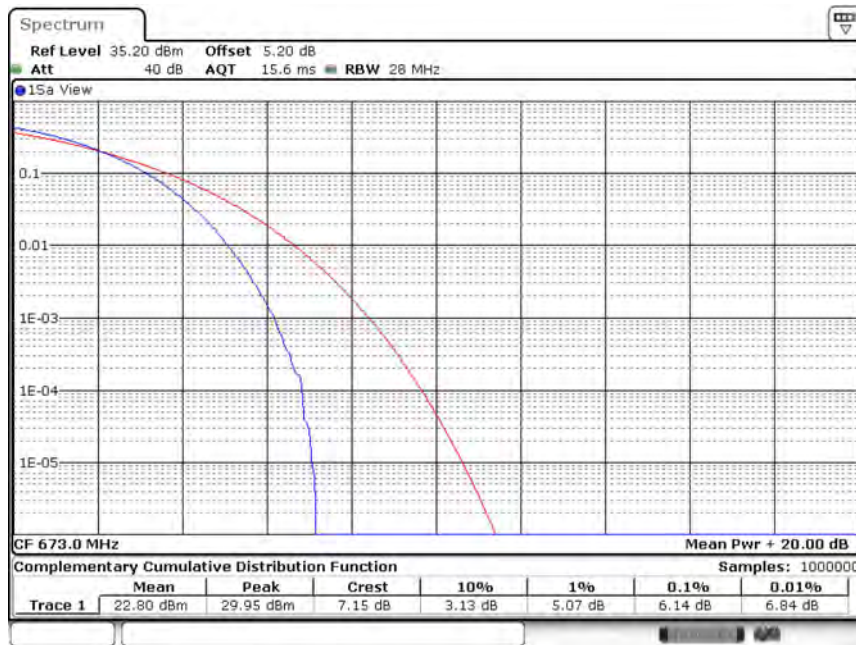


Date: 28.AUG.2020 09:54:50



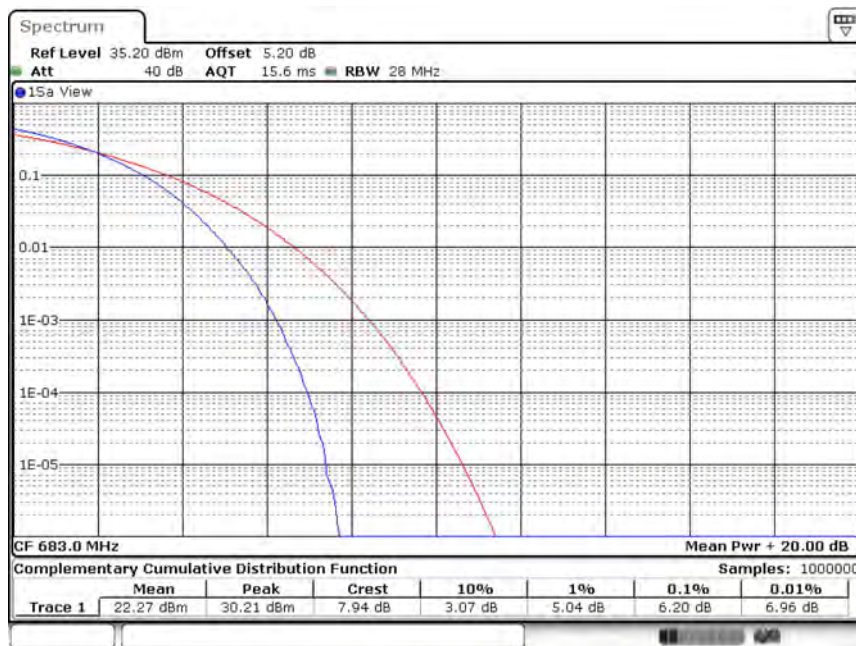
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**Band71-20MHz-64QAM-133222-100RB#0**



Date: 28.AUG.2020 10:33:39

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



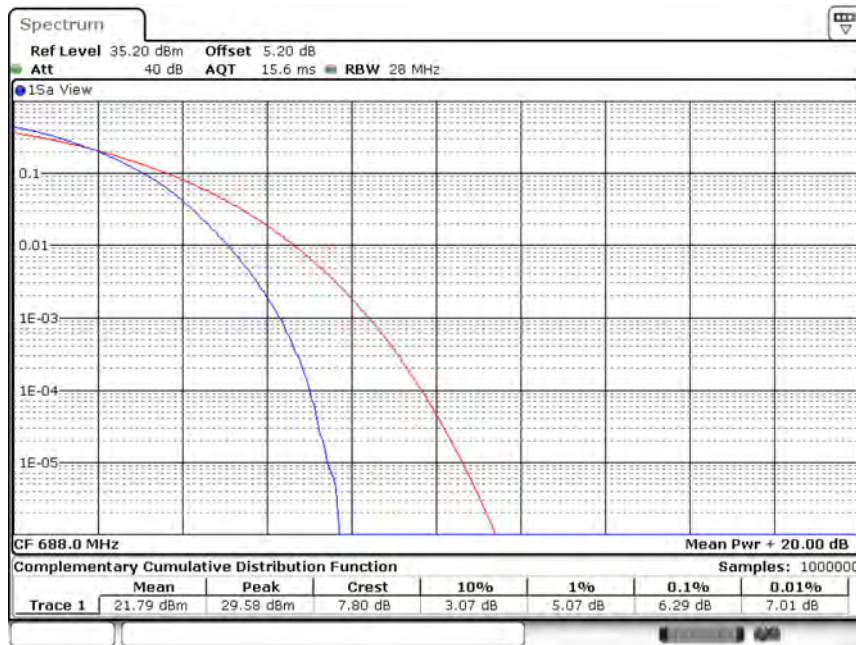
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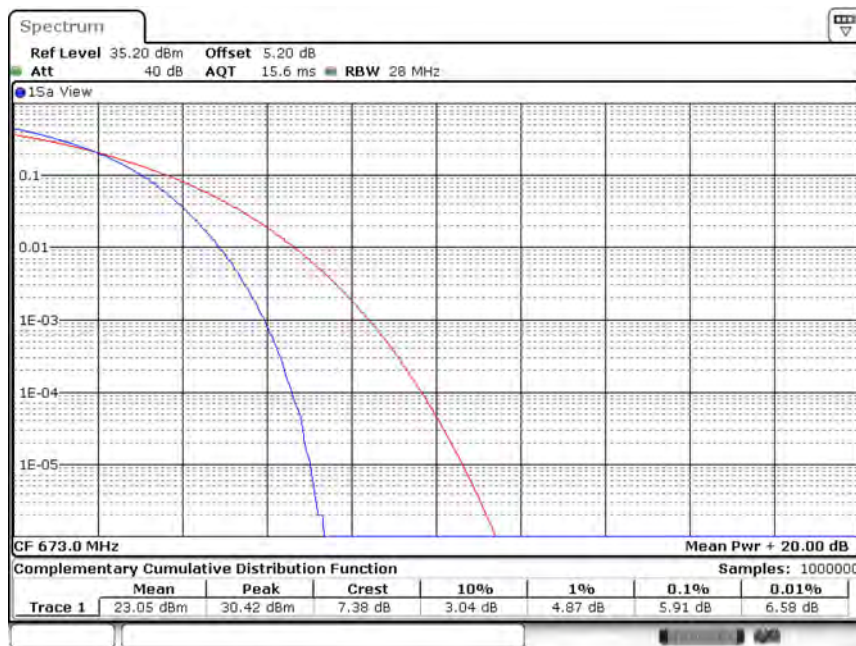


**Band71-20MHz-64QAM-133372-100RB#0**



Date: 28.AUG 2020 10:34:02

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

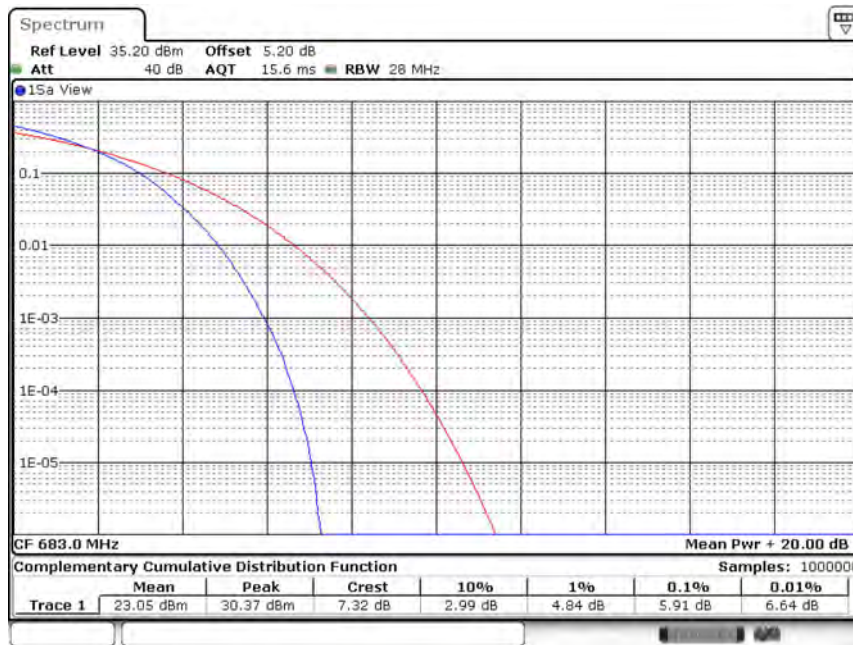


Date: 28.AUG 2020 09:54:14



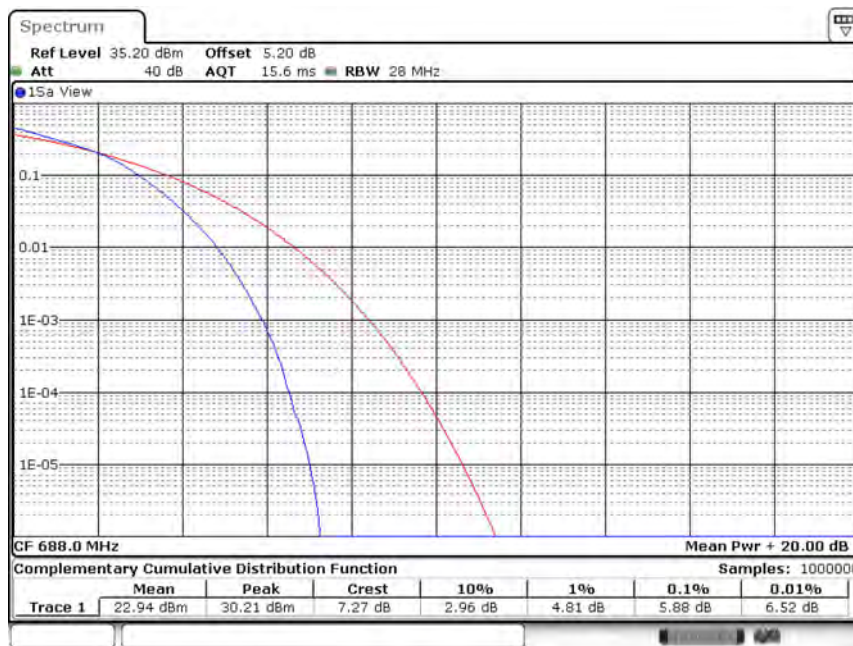
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**Band71-20MHz-16QAM-133322-100RB#0**



Date: 28.AUG 2020 09:54:38

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



Date: 28.AUG 2020 09:55:01



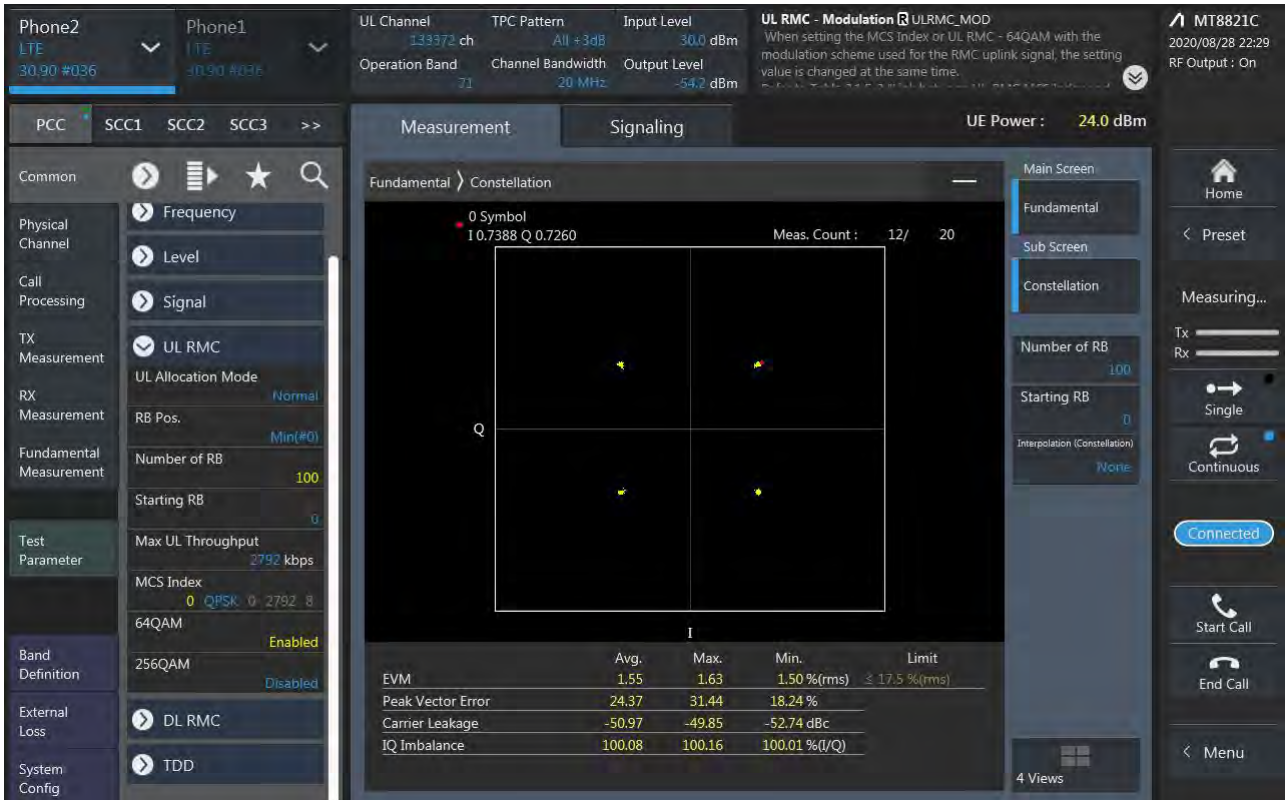
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### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (SGS-CSTC) Laboratory

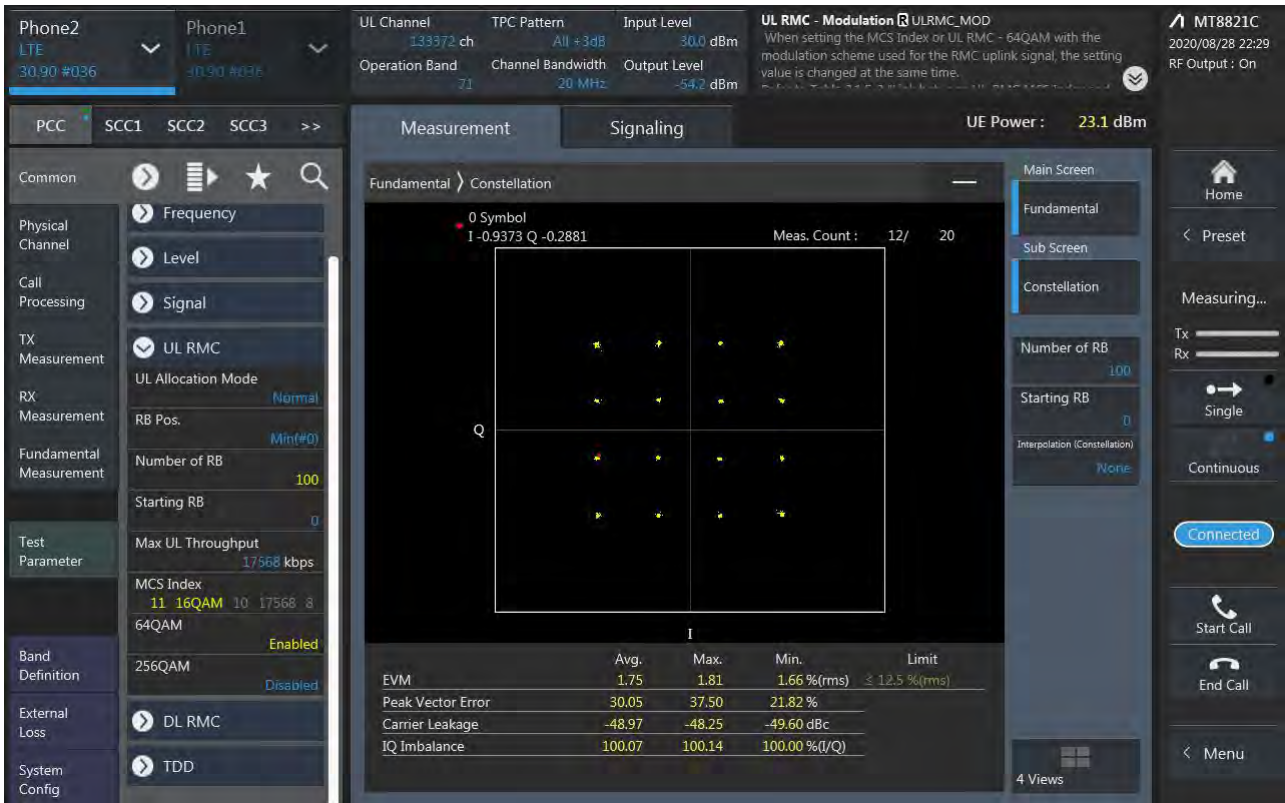
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





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

#### 3.2.1. Test Channel = MCH

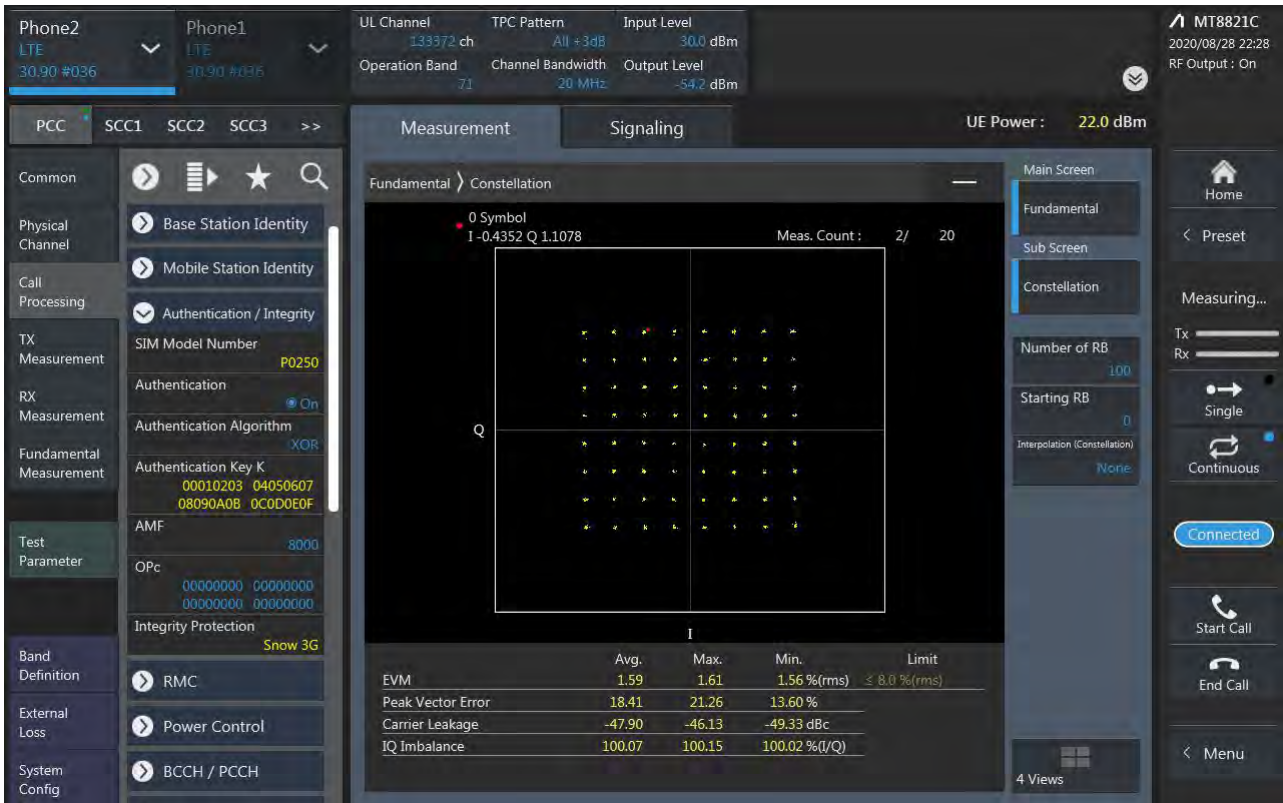


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### 3.3. Test Mode = LTE /TM3 20MHz

#### 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	4.880	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.910	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.476	4.910	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.456	4.870	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.476	4.910	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.476	4.890	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.476	4.940	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.476	4.970	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.476	4.950	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.931	9.640	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.911	9.680	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.911	9.760	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.911	9.620	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.891	9.680	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.911	9.680	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.911	9.720	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.911	9.700	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.911	9.760	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.516	14.910	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.397	14.760	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.457	14.820	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.457	14.850	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.367	14.790	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.457	14.850	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.487	14.820	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.397	14.670	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.457	14.700	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.822	19.320	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.862	19.320	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.942	19.480	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.902	19.280	PASS



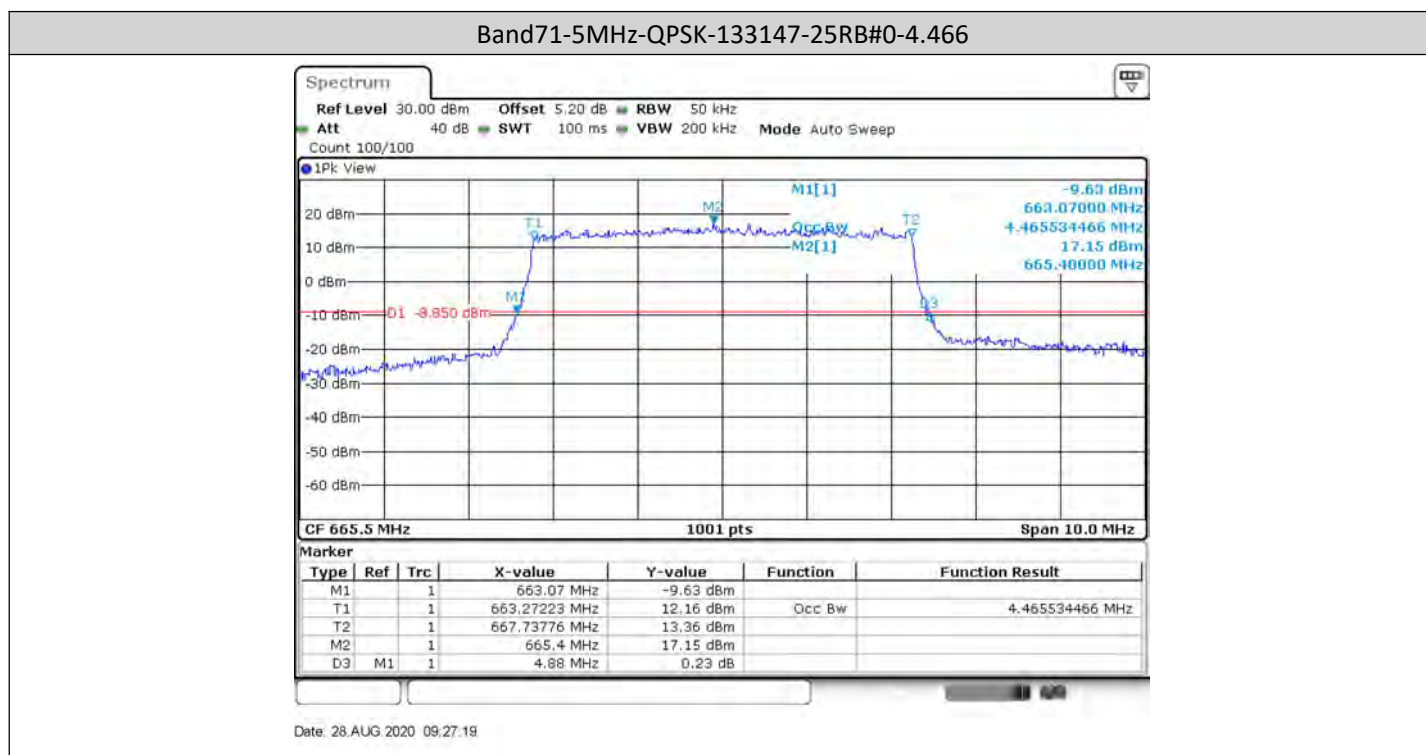
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Band71	20MHz	64QAM	133322	100RB#0	17.822	19.320	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.902	19.440	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.862	19.240	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.822	19.320	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.982	19.440	PASS

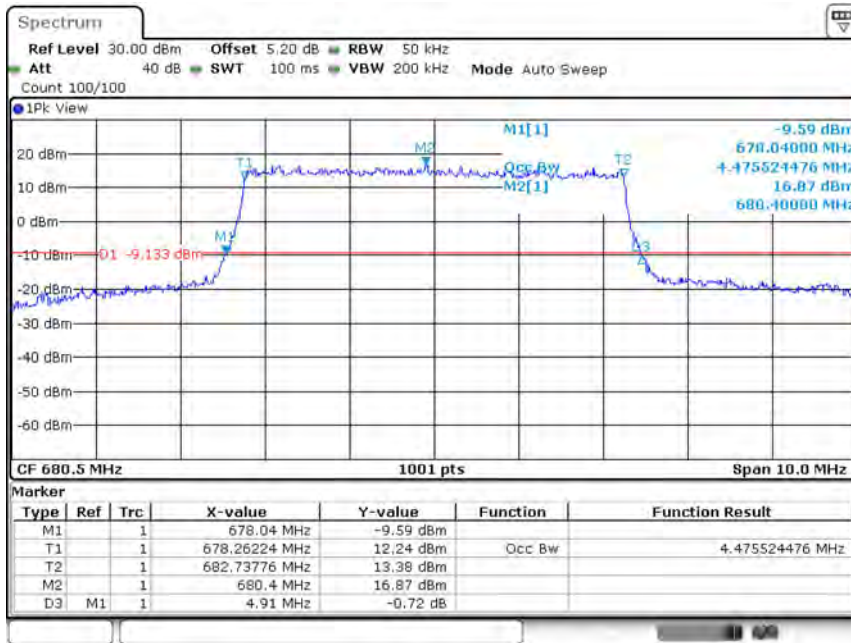
## 4.2. Test Plots



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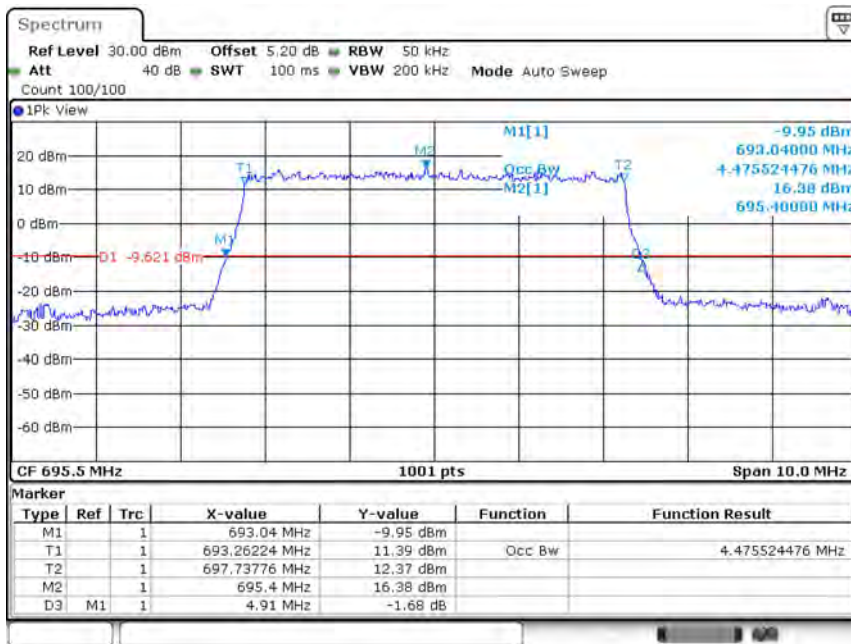


Band71-5MHz-QPSK-133297-25RB#0-4.476



Date: 28.AUG.2020 09:27:58

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



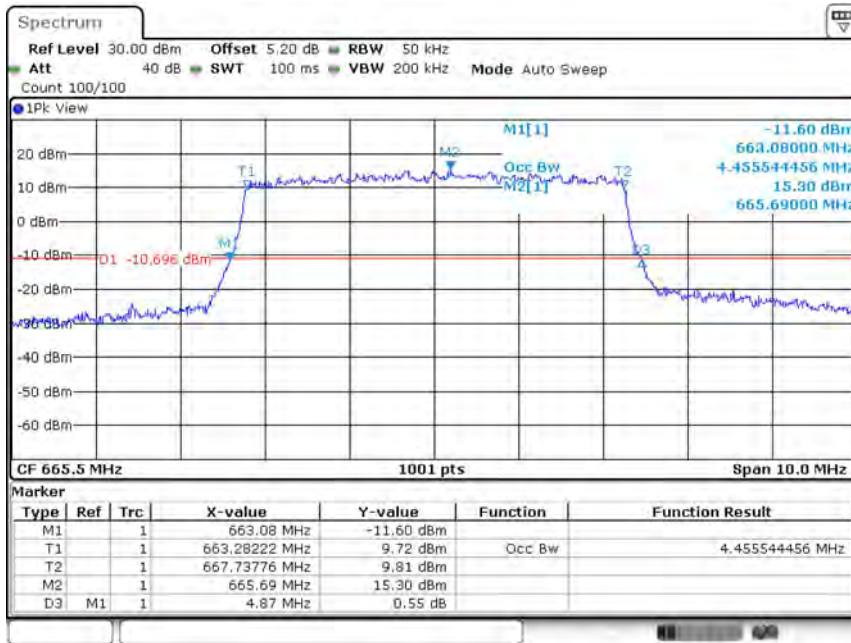
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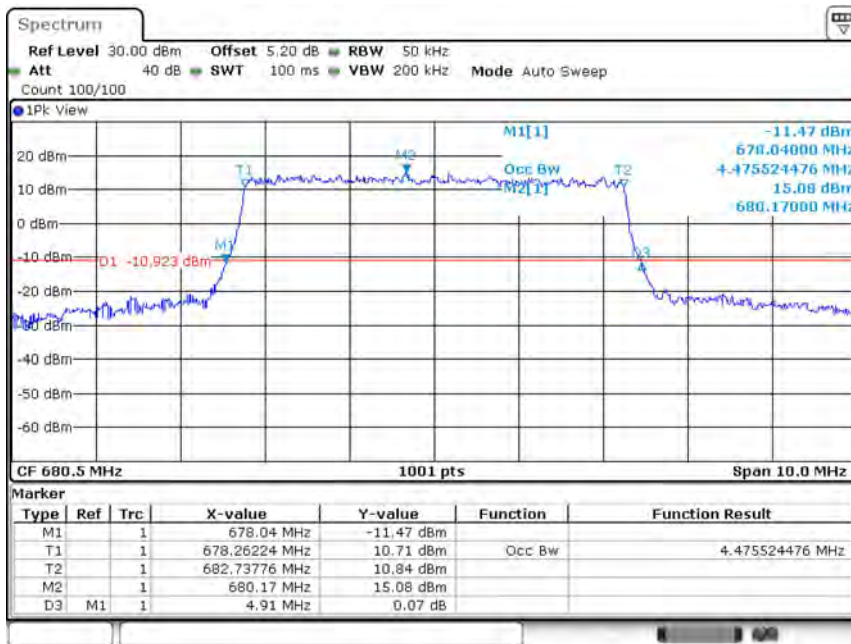


Band71-5MHz-64QAM-133147-25RB#0-4.456



Date: 28.AUG.2020 10:09:26

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



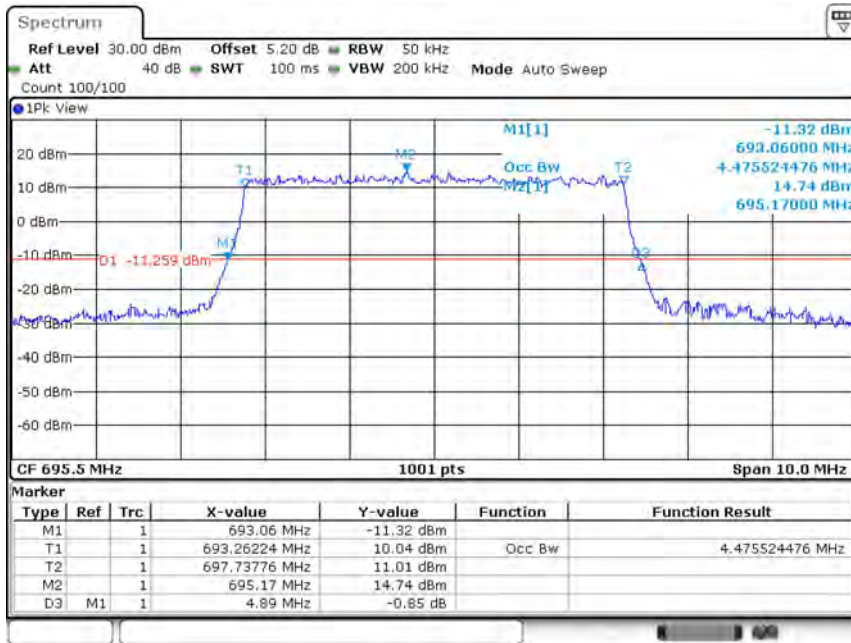
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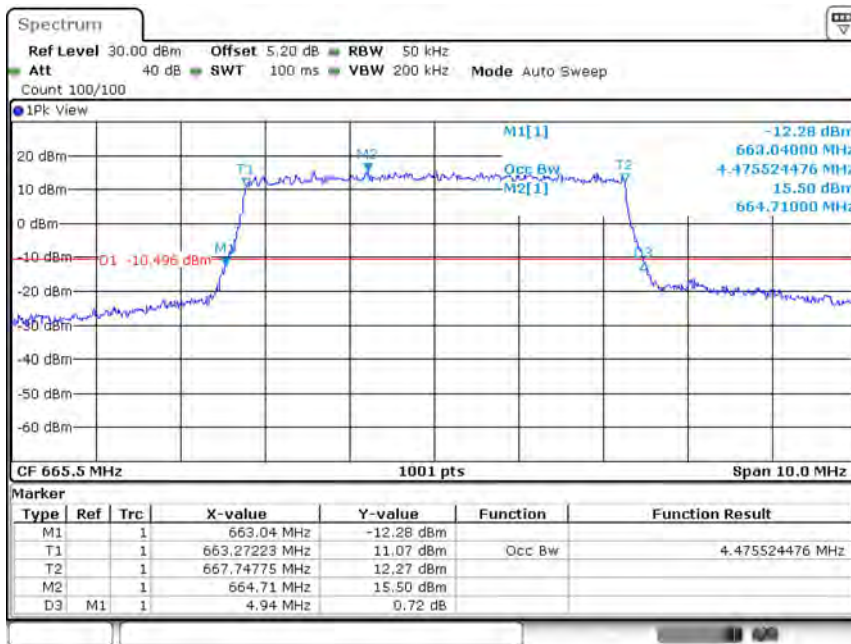


**Band71-5MHz-64QAM-133447-25RB#0-4.476**



Date: 28.AUG.2020 10:10:06

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



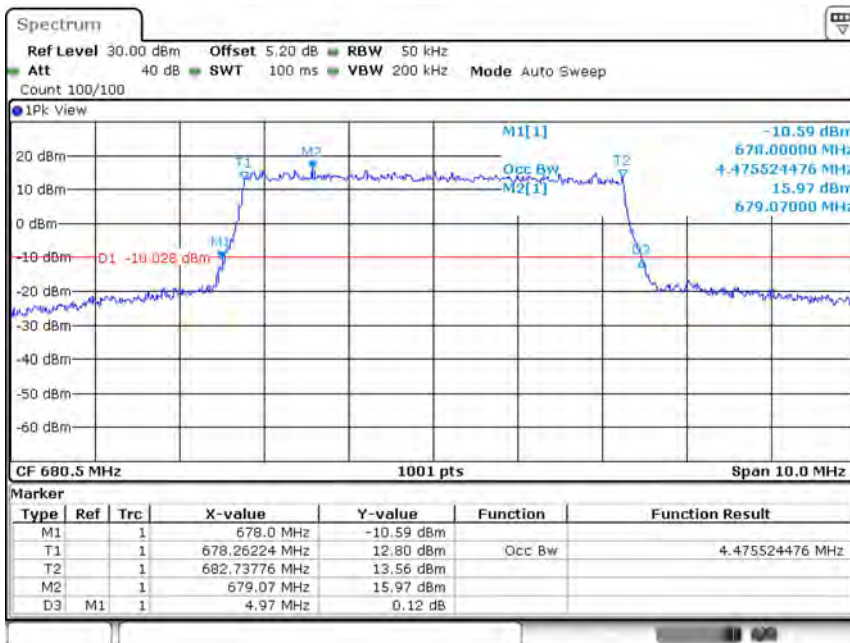
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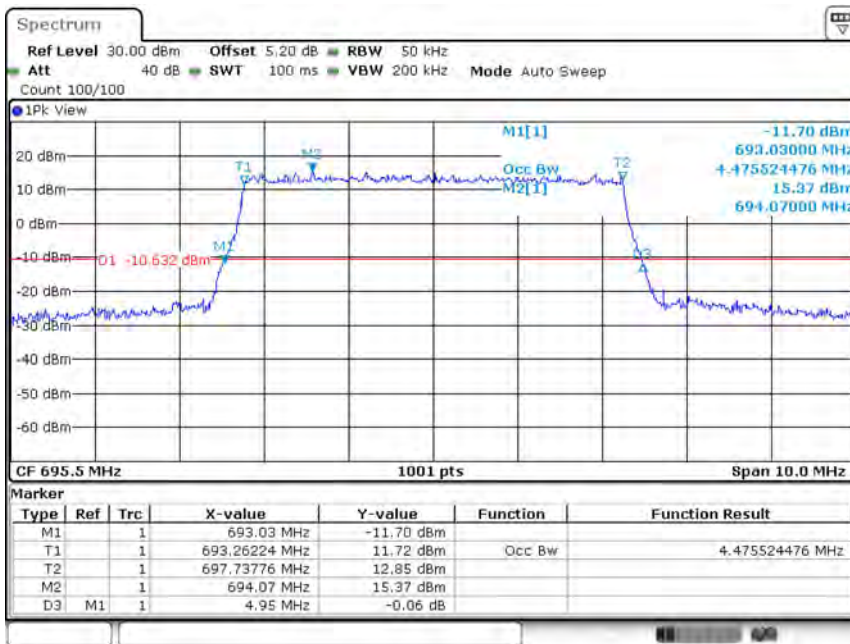


Band71-5MHz-16QAM-133297-25RB#0-4.476



Date: 28.AUG.2020 09:28:18

Band71-5MHz-16QAM-133447-25RB#0-4.476



Date: 28.AUG.2020 09:28:57

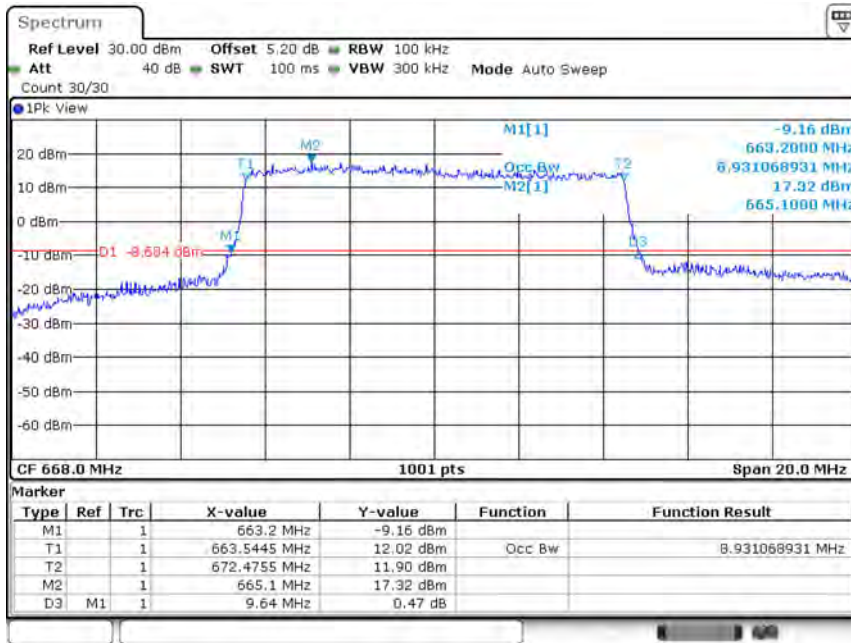


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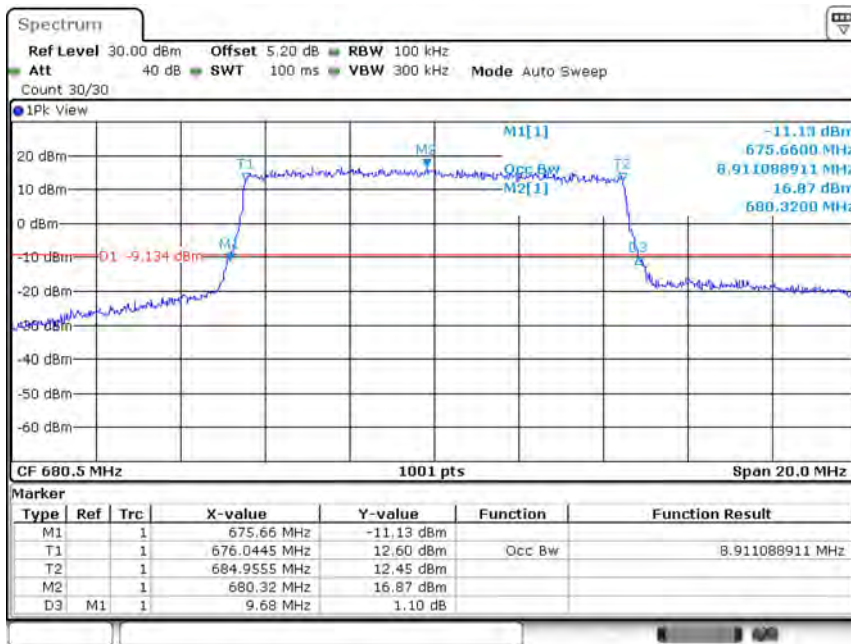


**Band71-10MHz-QPSK-133172-50RB#0-8.931**



Date: 28.AUG 2020 09:29:15

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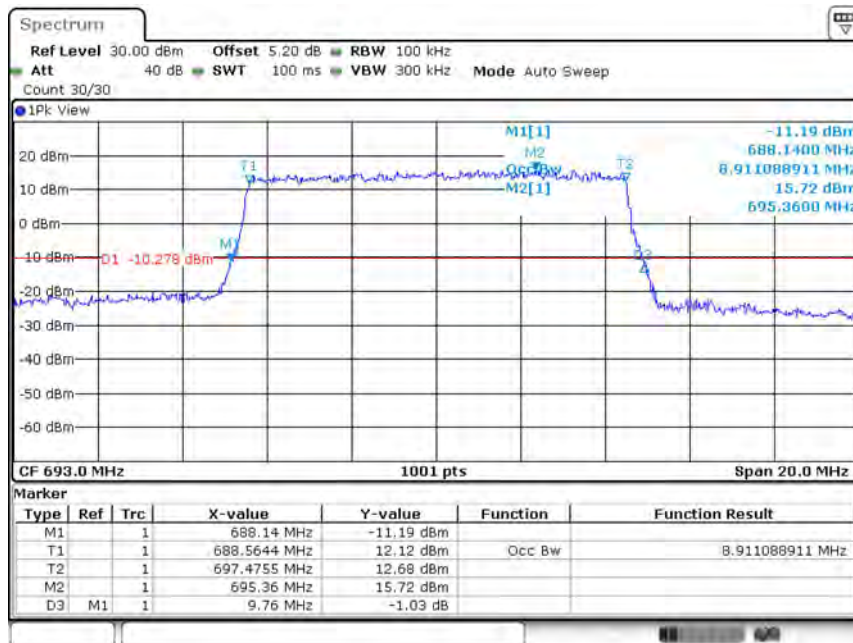
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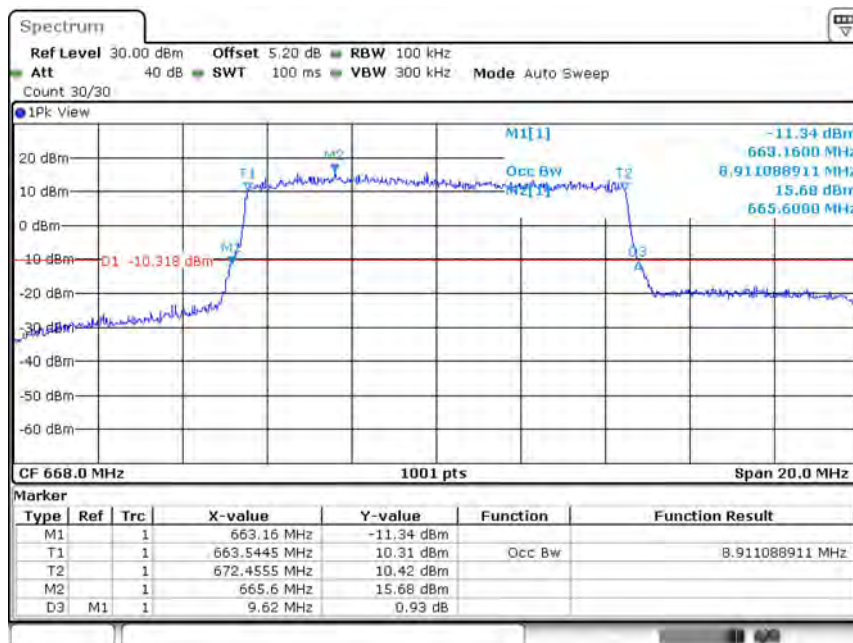


**Band71-10MHz-QPSK-133422-50RB#0-8.911**



Date: 28.AUG 2020 09:30:10

**Band71-10MHz-64QAM-133172-50RB#0-8.911**



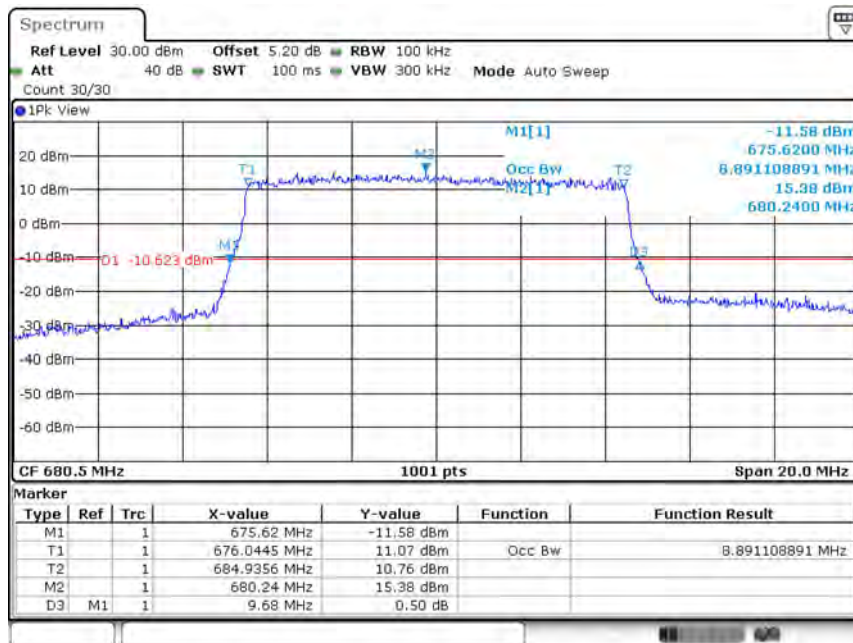
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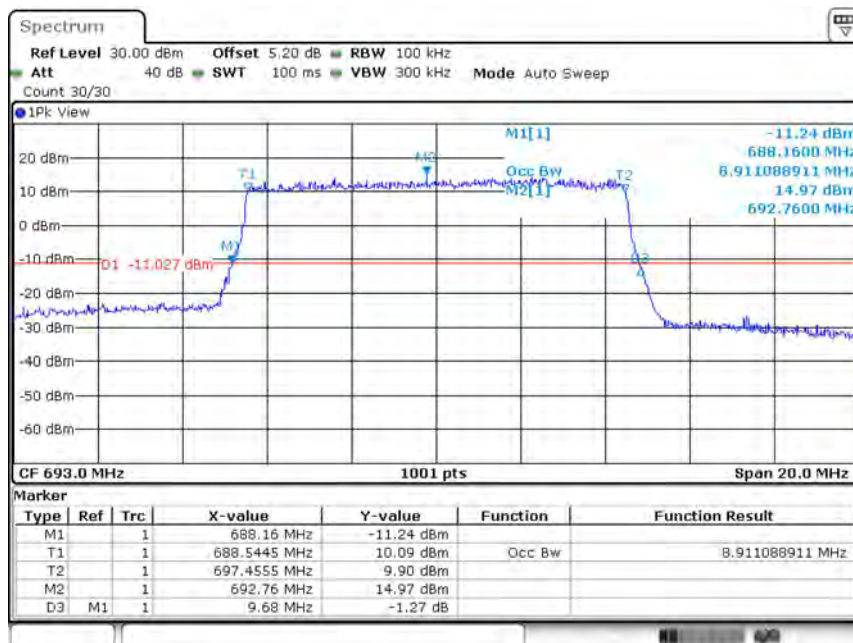


**Band71-10MHz-64QAM-133297-50RB#0-8.891**



Date: 28.AUG 2020 10:10:48

**Band71-10MHz-64QAM-133422-50RB#0-8.911**



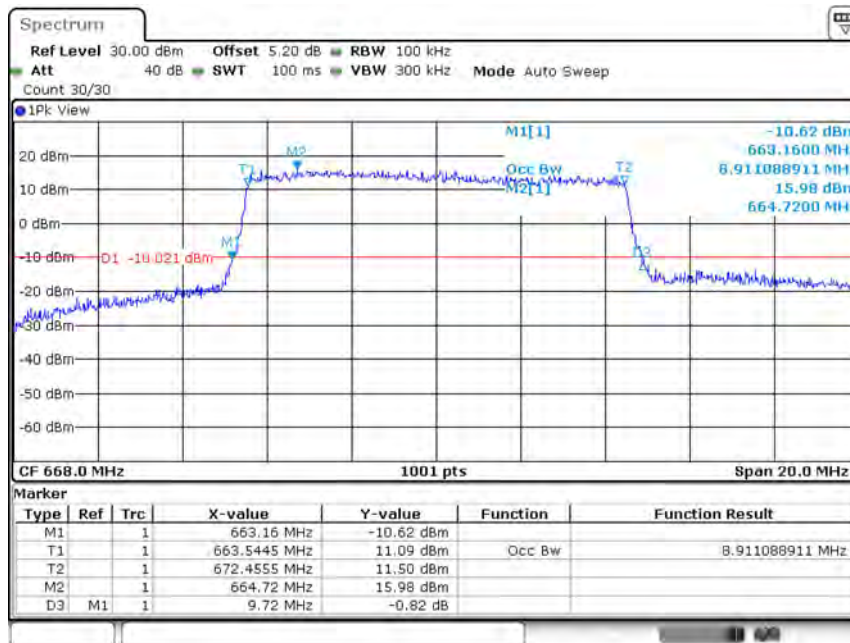
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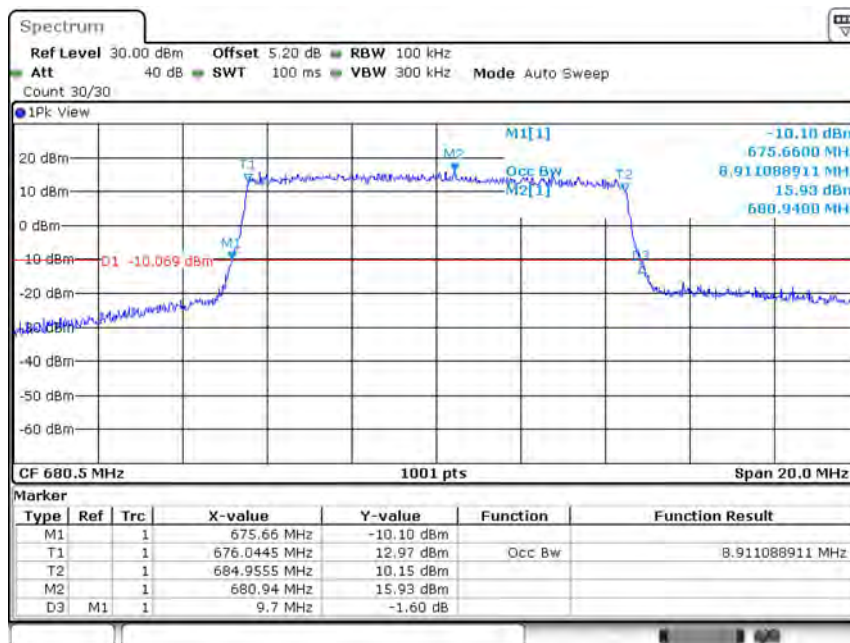


Band71-10MHz-16QAM-133172-50RB#0-8.911



Date: 28.AUG.2020 09:29:28

Band71-10MHz-16QAM-133297-50RB#0-8.911



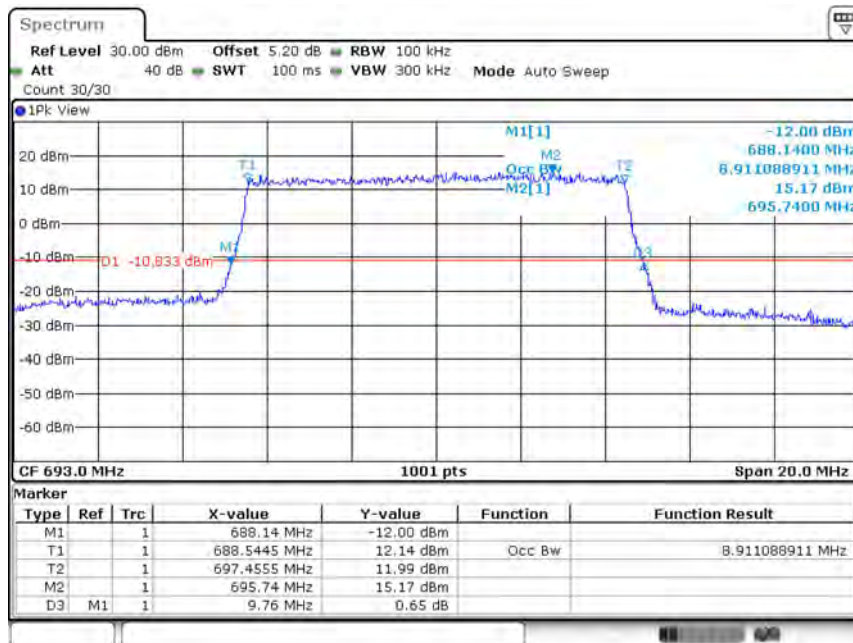
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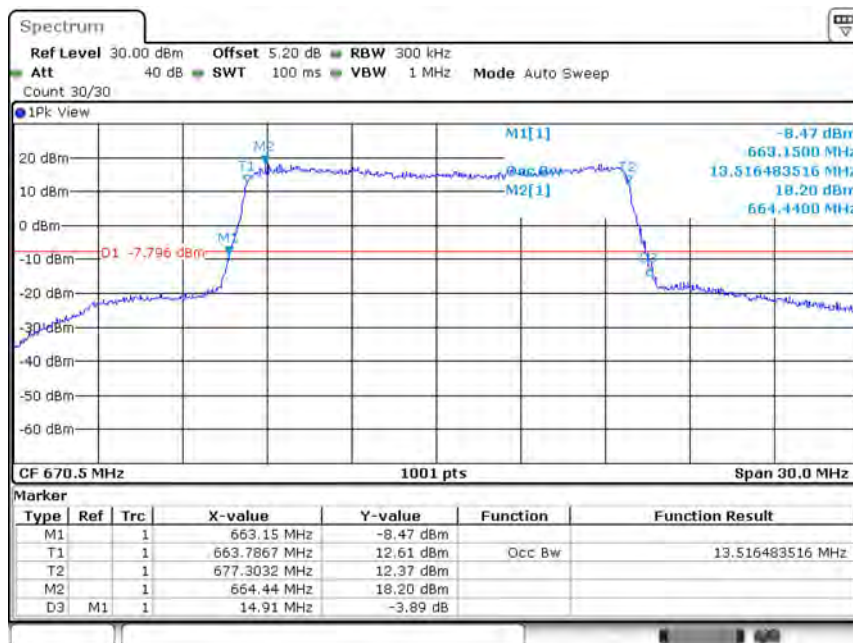


Band71-10MHz-16QAM-133422-50RB#0-8.911



Date: 28.AUG 2020 09:30:22

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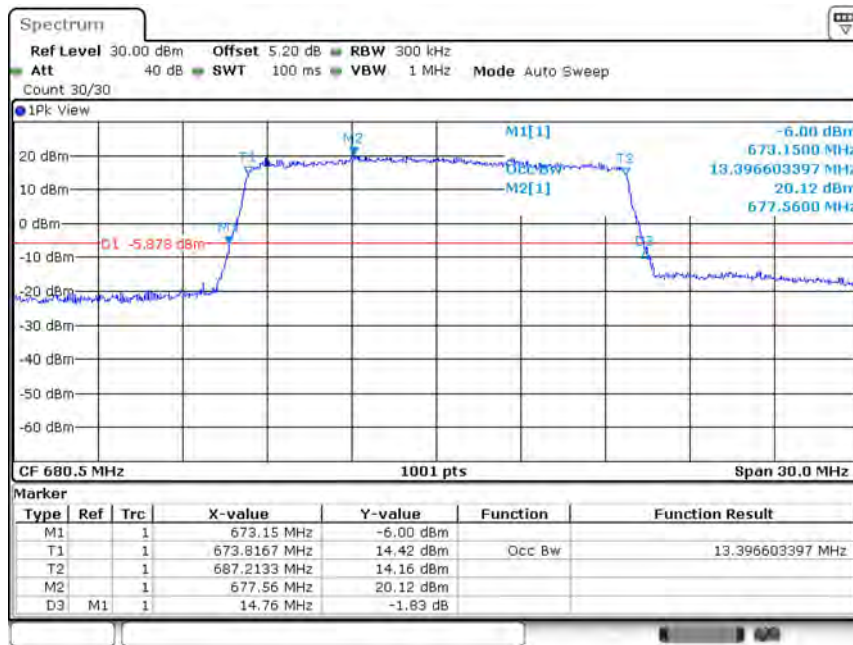
Date: 28.AUG 2020 09:30:41



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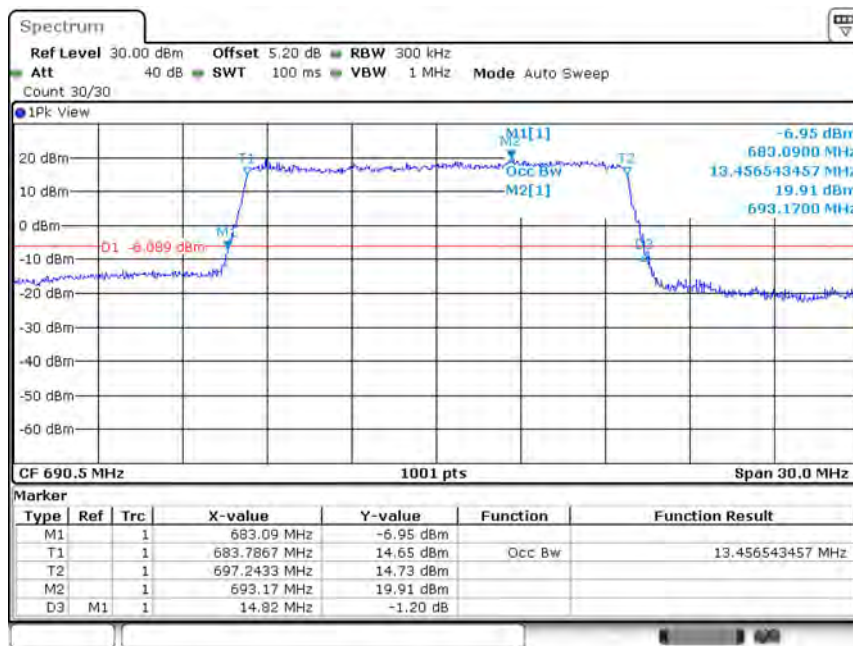


Band71-15MHz-QPSK-133297-75RB#0-13.397



Date: 28.AUG 2020 09:31:06

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

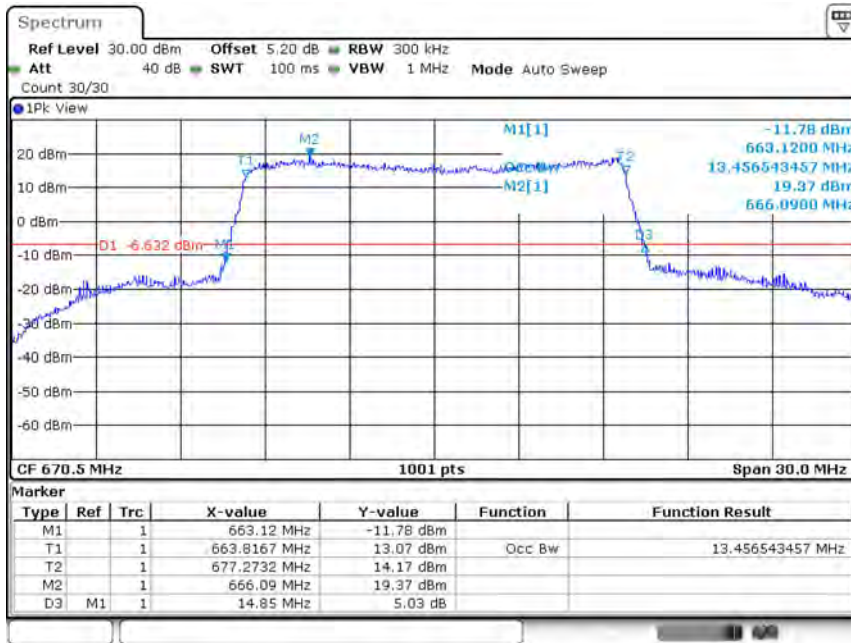


Date: 28.AUG 2020 09:31:31



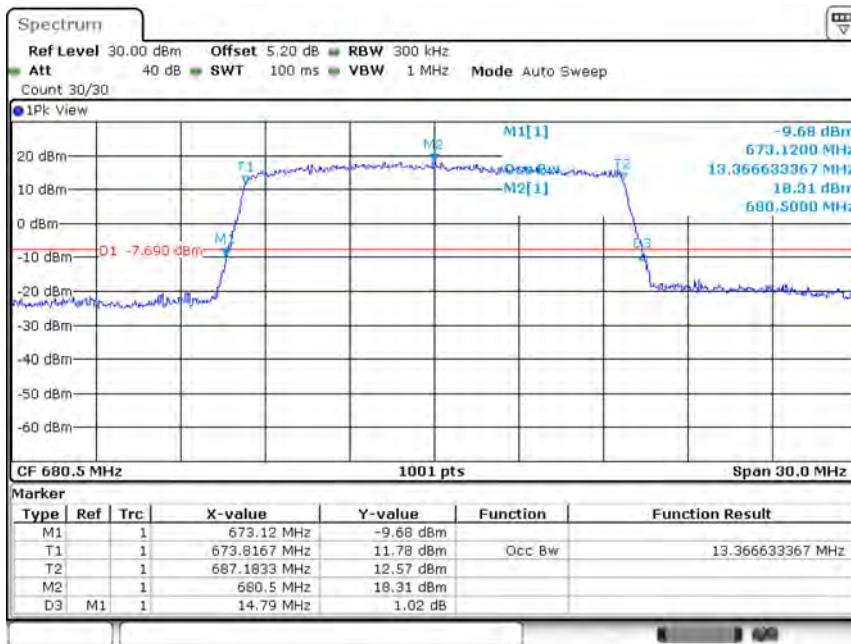
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**Band71-15MHz-64QAM-133197-75RB#0-13.457**



Date: 28.AUG.2020 10:12:22

**Band71-15MHz-64QAM-133297-75RB#0-13.367**



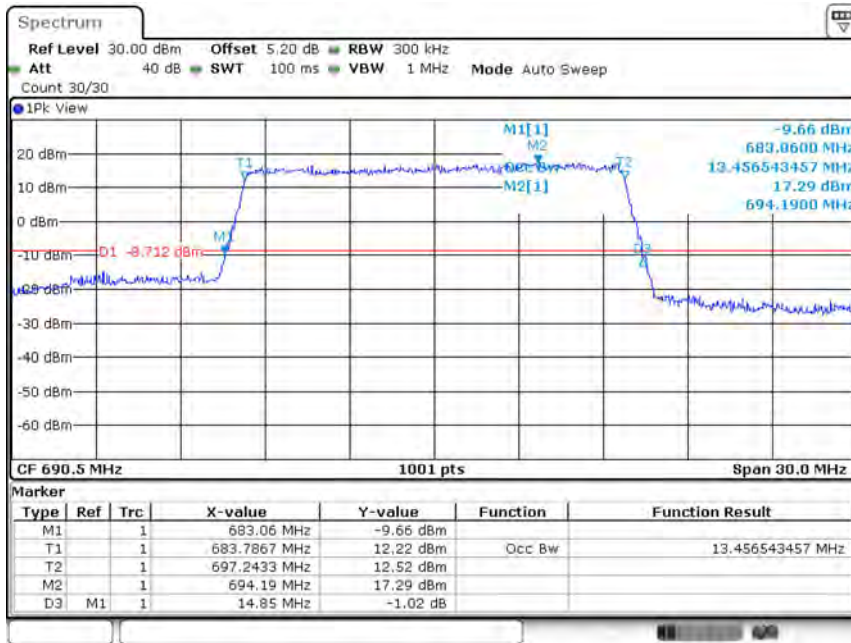
Date: 28.AUG.2020 10:12:35



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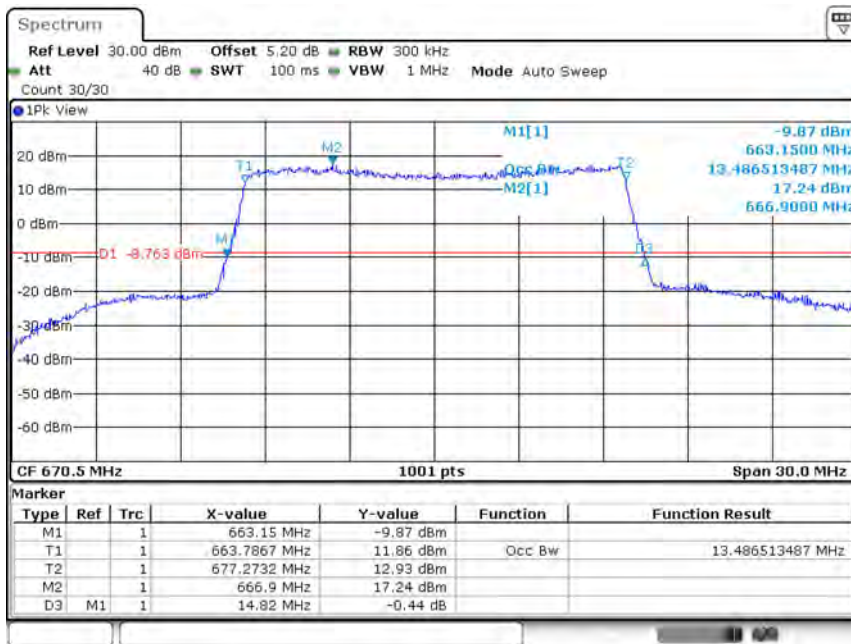


**Band71-15MHz-64QAM-133397-75RB#0-13.457**



Date: 28.AUG 2020 10:12:48

**Band71-15MHz-16QAM-133197-75RB#0-13.487**



Date: 28.AUG 2020 09:30:53

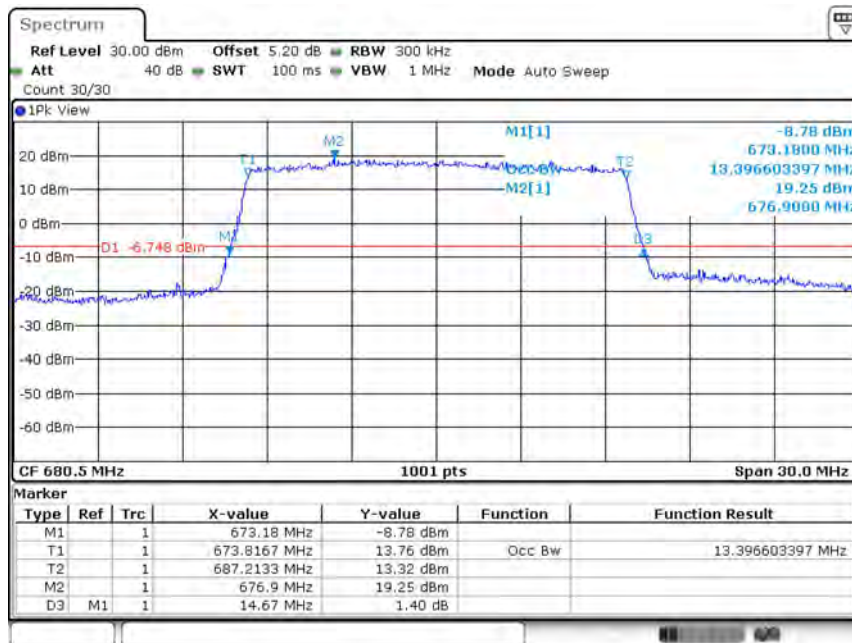


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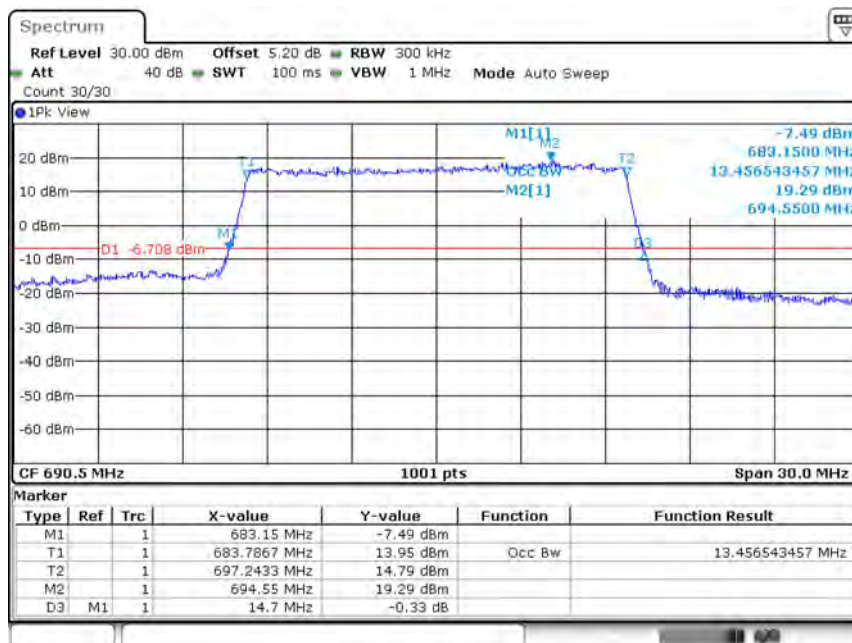


Band71-15MHz-16QAM-133297-75RB#0-13.397



Date: 28.AUG 2020 09:31:19

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



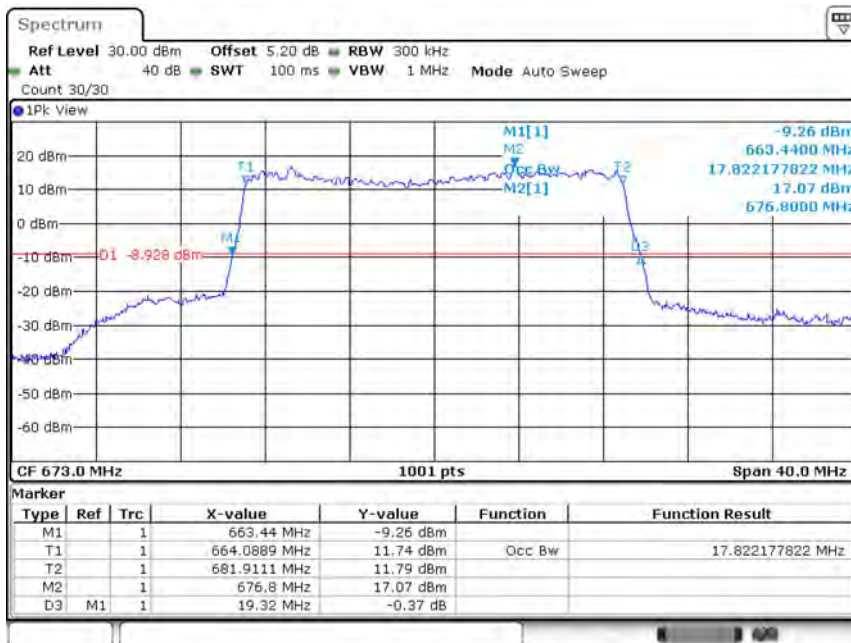
Date: 28.AUG 2020 09:31:44



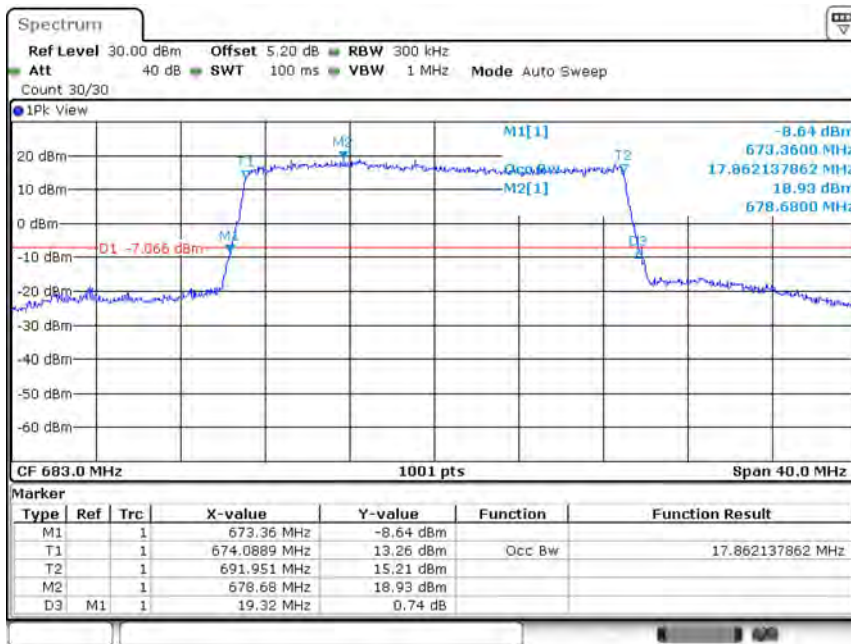
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Band71-20MHz-QPSK-133222-100RB#0-17.822



Band71-20MHz-QPSK-133322-100RB#0-17.862



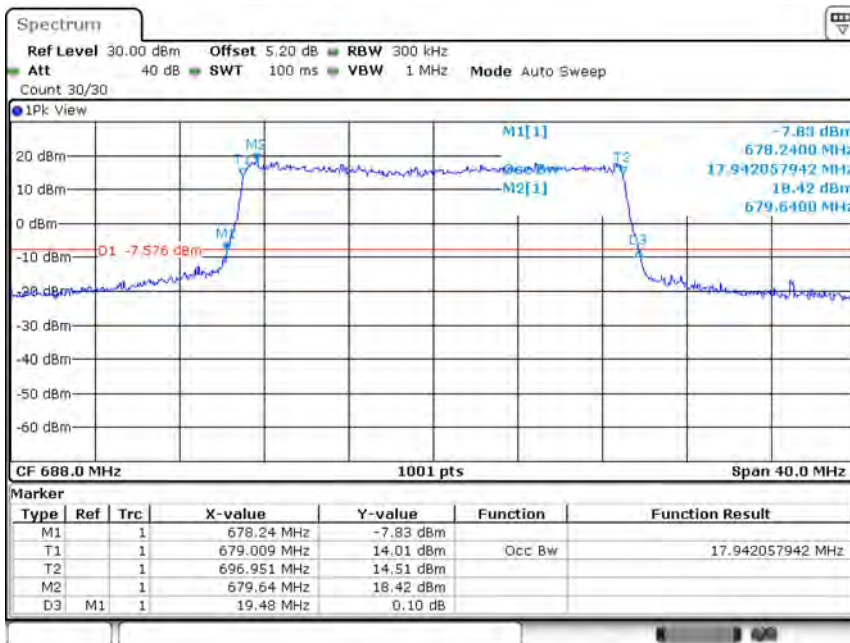
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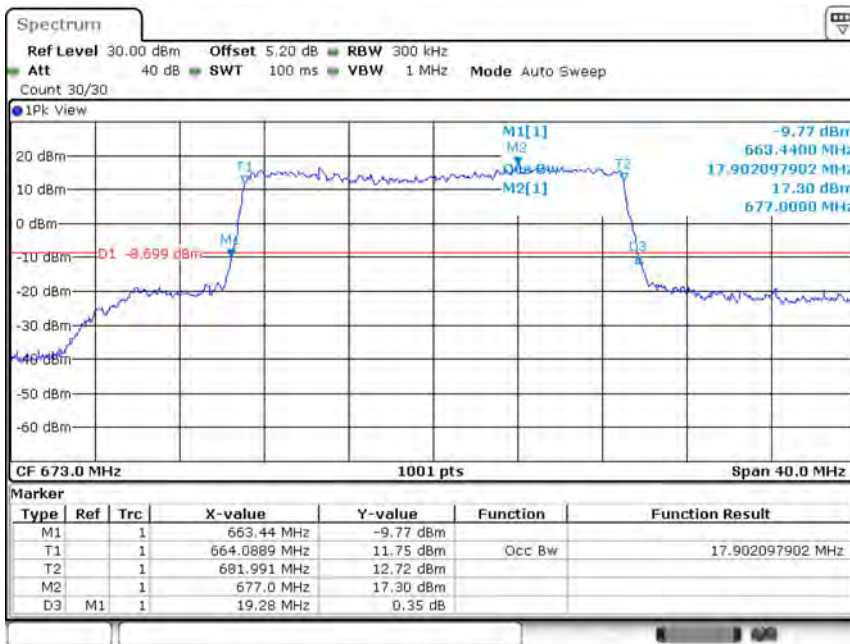


Band71-20MHz-QPSK-133372-100RB#0-17.942



Date: 28.AUG 2020 09:32:53

Band71-20MHz-64QAM-133222-100RB#0-17.902



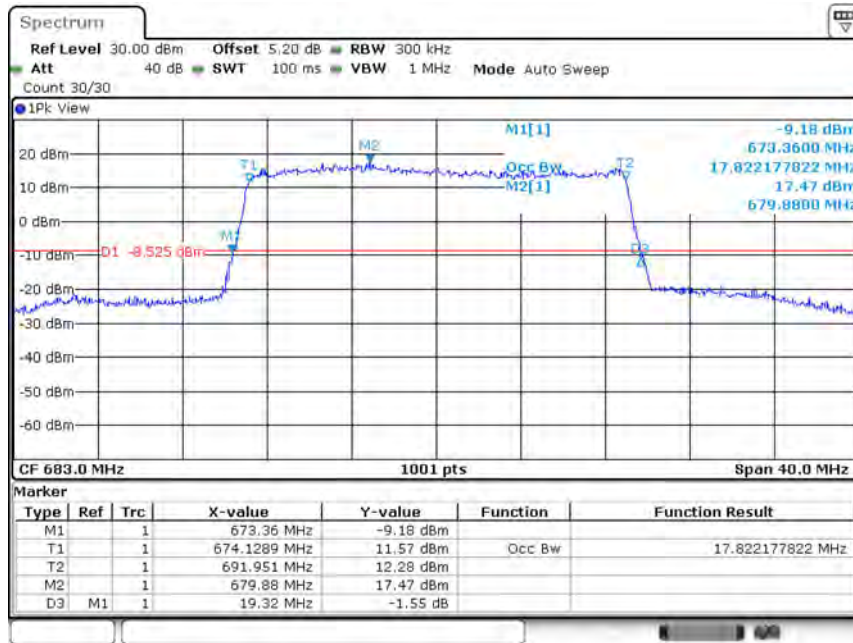
Date: 28.AUG 2020 10:17:42



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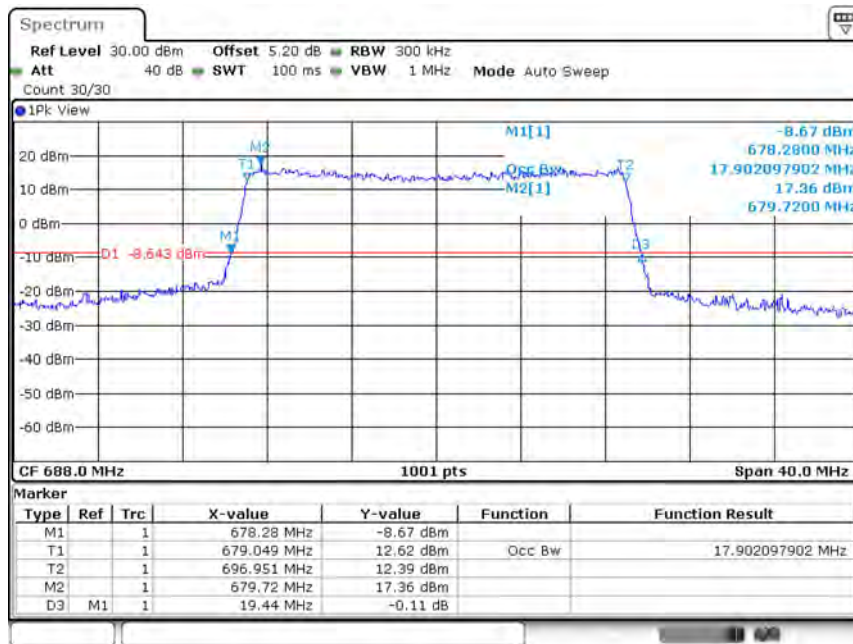


**Band71-20MHz-64QAM-133322-100RB#0-17.822**



Date: 28.AUG 2020 10:17:55

**Band71-20MHz-64QAM-133372-100RB#0-17.902**



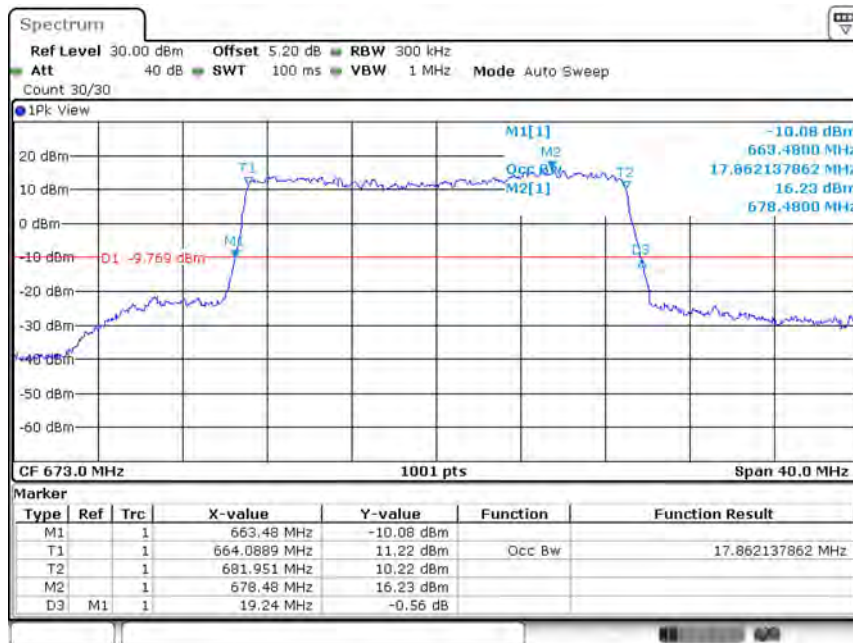
Date: 28.AUG 2020 10:18:08



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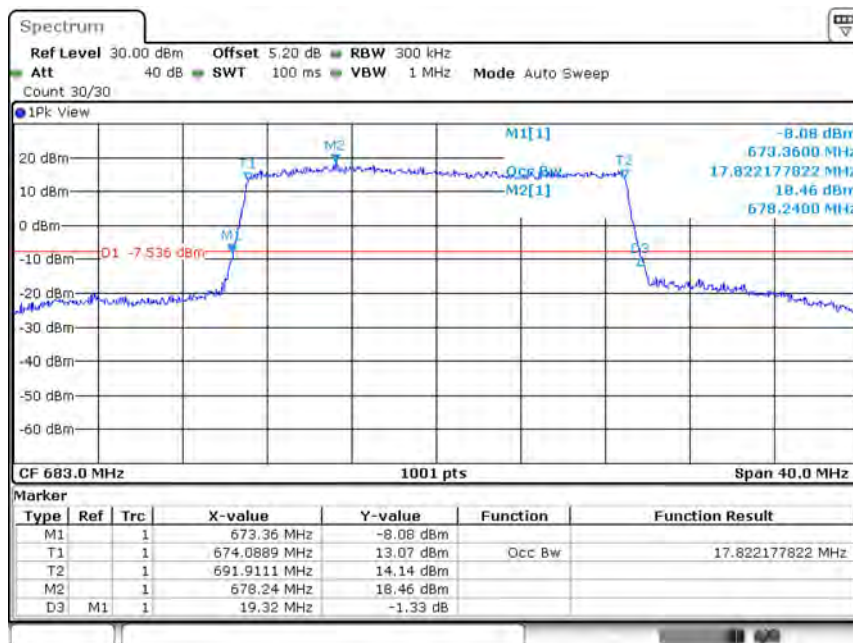


Band71-20MHz-16QAM-133222-100RB#0-17.862



Date: 28.AUG.2020 09:32:15

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

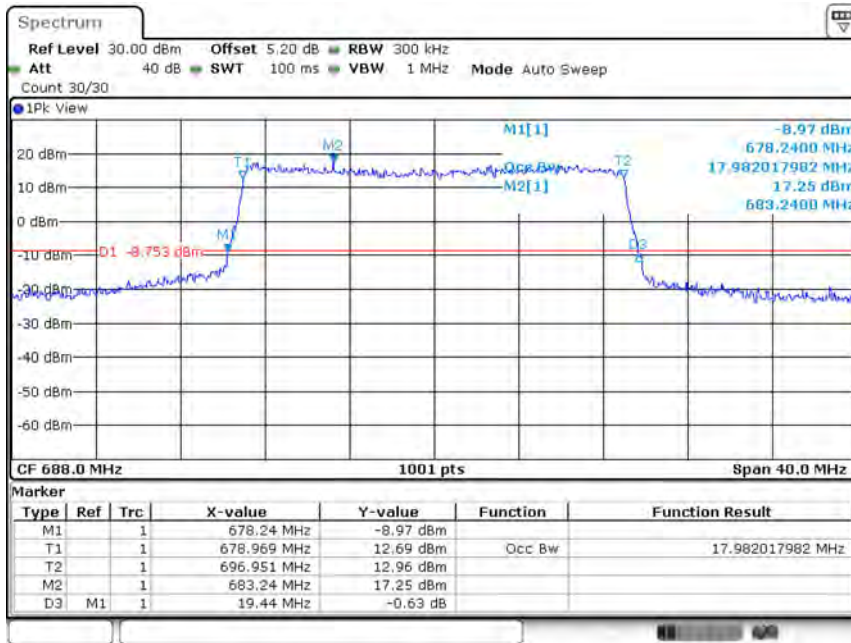


Date: 28.AUG.2020 09:32:40



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**Band71-20MHz-16QAM-133372-100RB#0-17.982**



Date: 28 AUG 2020 09:33:05



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## 5. Band Edge Compliance

### 5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	-20.25	PASS
Band71	5MHz	QPSK	133147	25RB#0	-26.57	PASS
Band71	5MHz	QPSK	133447	1RB#24	-20.72	PASS
Band71	5MHz	QPSK	133447	25RB#0	-27.74	PASS
Band71	5MHz	64QAM	133147	1RB#0	-21.57	PASS
Band71	5MHz	64QAM	133147	25RB#0	-30.43	PASS
Band71	5MHz	64QAM	133447	1RB#24	-21.37	PASS
Band71	5MHz	64QAM	133447	25RB#0	-30.49	PASS
Band71	5MHz	16QAM	133147	1RB#0	-21.22	PASS
Band71	5MHz	16QAM	133147	25RB#0	-28.20	PASS
Band71	5MHz	16QAM	133447	1RB#24	-21.02	PASS
Band71	5MHz	16QAM	133447	25RB#0	-28.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	-31.52	PASS
Band71	10MHz	QPSK	133172	50RB#0	-25.59	PASS
Band71	10MHz	QPSK	133422	1RB#49	-29.33	PASS
Band71	10MHz	QPSK	133422	50RB#0	-30.83	PASS
Band71	10MHz	64QAM	133172	1RB#0	-33.32	PASS
Band71	10MHz	64QAM	133172	50RB#0	-31.72	PASS
Band71	10MHz	64QAM	133422	1RB#49	-53.92	PASS
Band71	10MHz	64QAM	133422	50RB#0	-33.11	PASS
Band71	10MHz	16QAM	133172	1RB#0	-31.75	PASS
Band71	10MHz	16QAM	133172	50RB#0	-29.33	PASS
Band71	10MHz	16QAM	133422	1RB#49	-30.49	PASS
Band71	10MHz	16QAM	133422	50RB#0	-32.33	PASS
Band71	15MHz	QPSK	133197	1RB#0	-21.52	PASS
Band71	15MHz	QPSK	133197	75RB#0	-28.05	PASS
Band71	15MHz	QPSK	133397	1RB#74	-20.81	PASS
Band71	15MHz	QPSK	133397	75RB#0	-27.46	PASS
Band71	15MHz	64QAM	133197	1RB#0	-22.99	PASS
Band71	15MHz	64QAM	133197	75RB#0	-30.48	PASS
Band71	15MHz	64QAM	133397	1RB#74	-49.12	PASS
Band71	15MHz	64QAM	133397	75RB#0	-31.58	PASS



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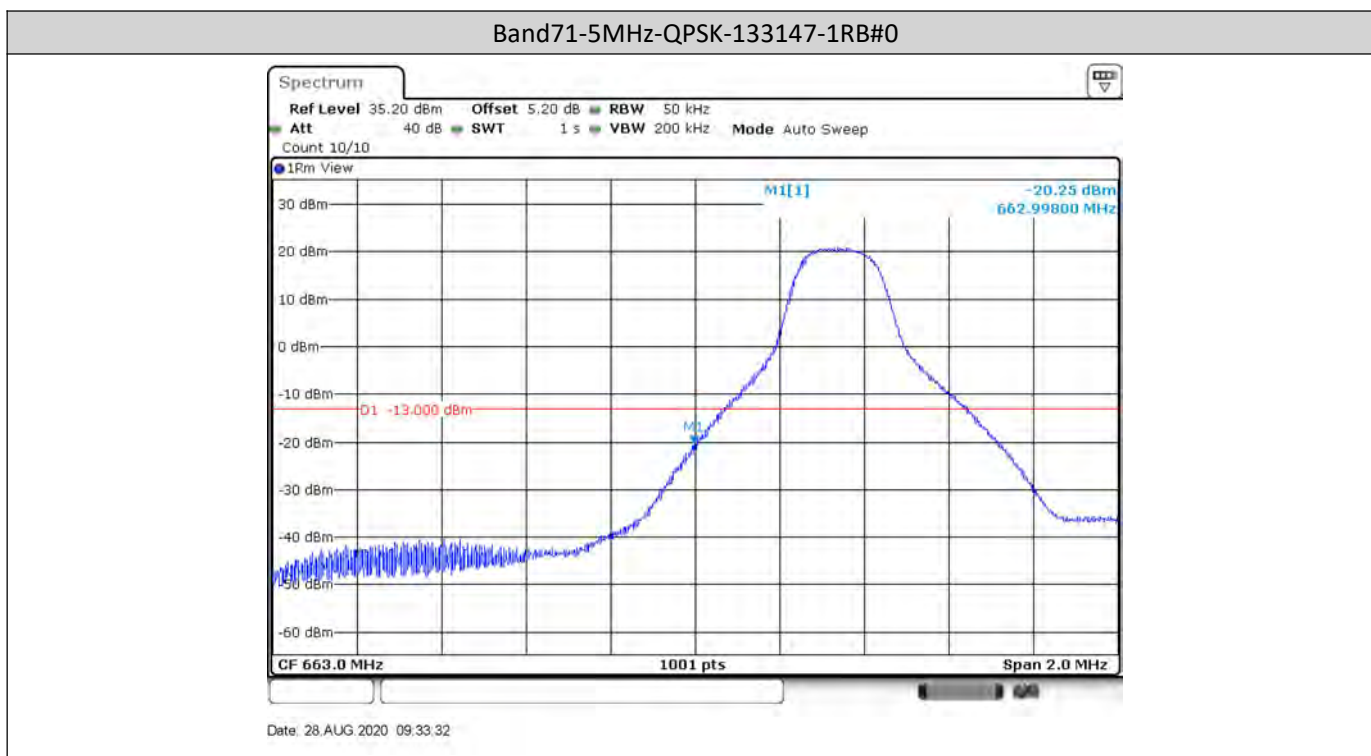
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Band71	15MHz	16QAM	133197	1RB#0	-22.51	PASS
Band71	15MHz	16QAM	133197	75RB#0	-29.30	PASS
Band71	15MHz	16QAM	133397	1RB#74	-20.97	PASS
Band71	15MHz	16QAM	133397	75RB#0	-29.45	PASS
Band71	20MHz	QPSK	133222	1RB#0	-28.57	PASS
Band71	20MHz	QPSK	133222	100RB#0	-25.50	PASS
Band71	20MHz	QPSK	133372	1RB#99	-26.47	PASS
Band71	20MHz	QPSK	133372	100RB#0	-26.28	PASS
Band71	20MHz	64QAM	133222	1RB#0	-30.16	PASS
Band71	20MHz	64QAM	133222	100RB#0	-28.48	PASS
Band71	20MHz	64QAM	133372	1RB#99	-28.07	PASS
Band71	20MHz	64QAM	133372	100RB#0	-31.52	PASS
Band71	20MHz	16QAM	133222	1RB#0	-28.31	PASS
Band71	20MHz	16QAM	133222	100RB#0	-27.30	PASS
Band71	20MHz	16QAM	133372	1RB#99	-28.15	PASS
Band71	20MHz	16QAM	133372	100RB#0	-28.91	PASS

## 5.2. Test Plots



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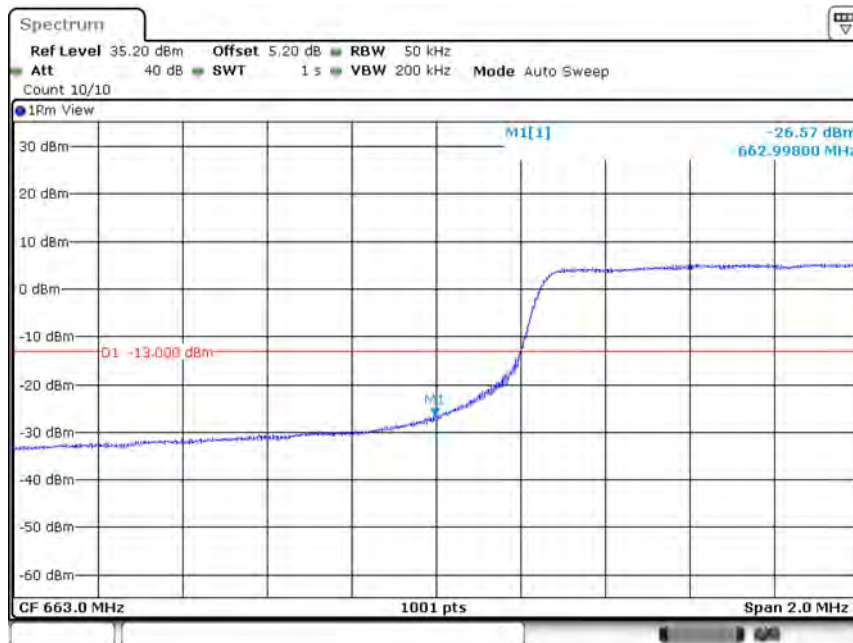
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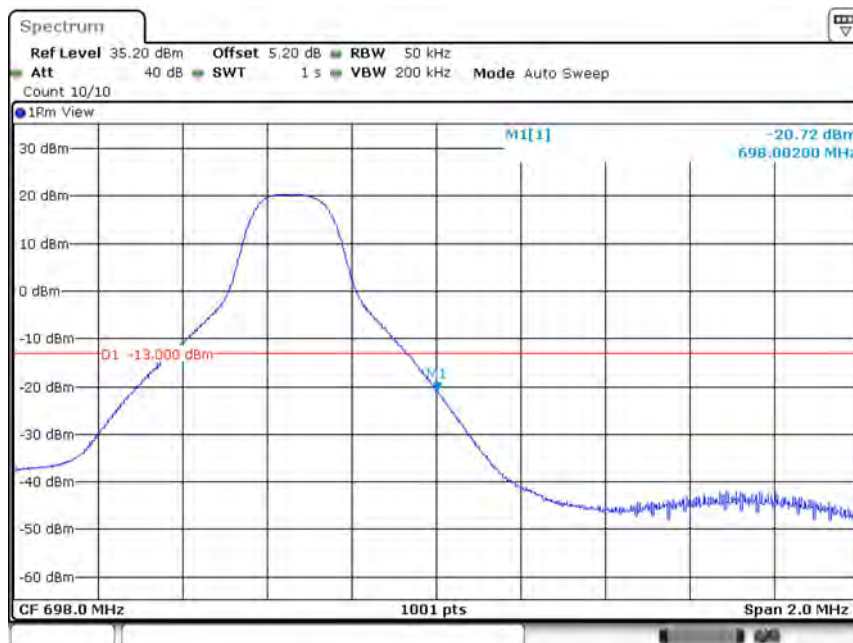


**Band71-5MHz-QPSK-133147-25RB#0**



Date: 28.AUG.2020 09:34:12

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



Date: 28.AUG.2020 09:34:58



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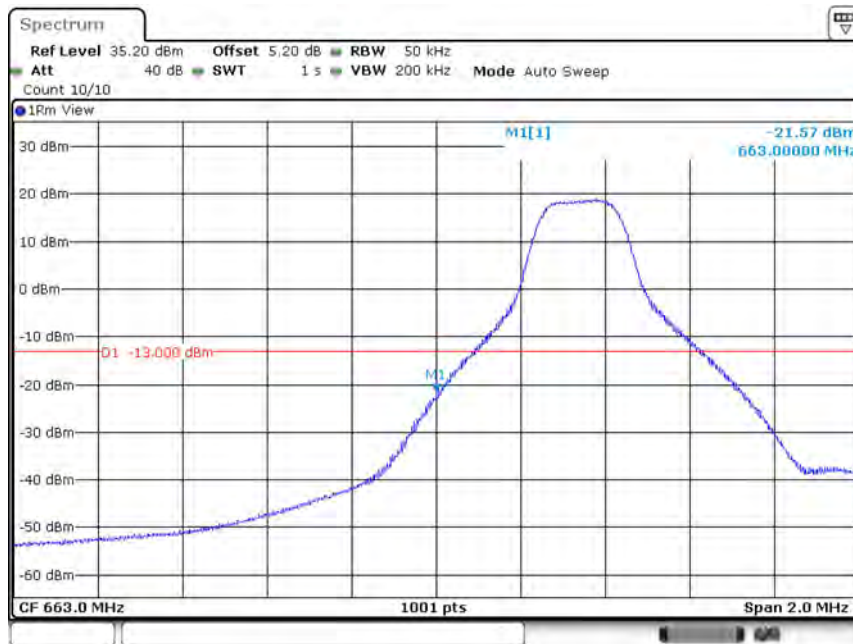


**Band71-5MHz-QPSK-133447-25RB#0**



Date: 28.AUG 2020 09:35:38

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



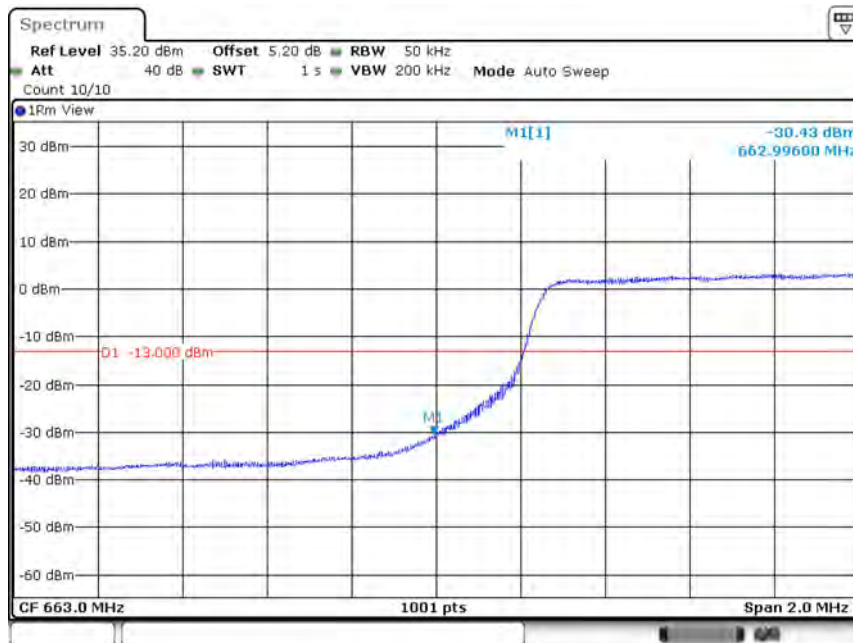
Date: 28.AUG 2020 10:18:35



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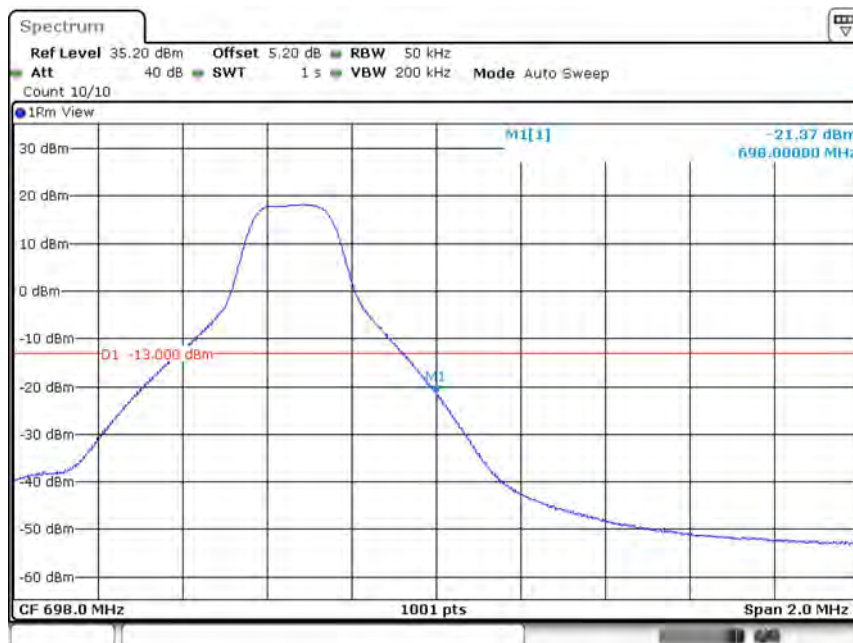


**Band71-5MHz-64QAM-133147-25RB#0**



Date: 28.AUG 2020 10:18:56

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



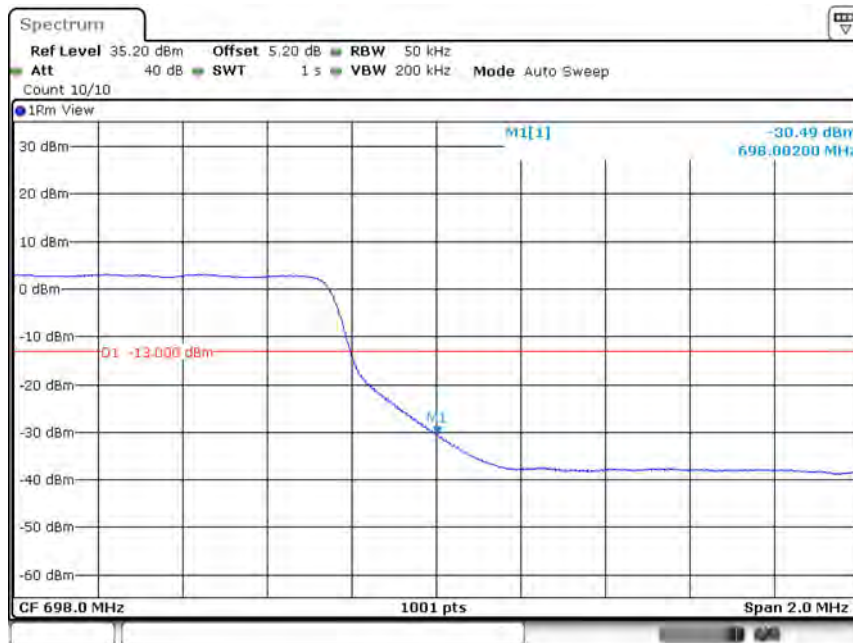
Date: 28.AUG 2020 10:19:22



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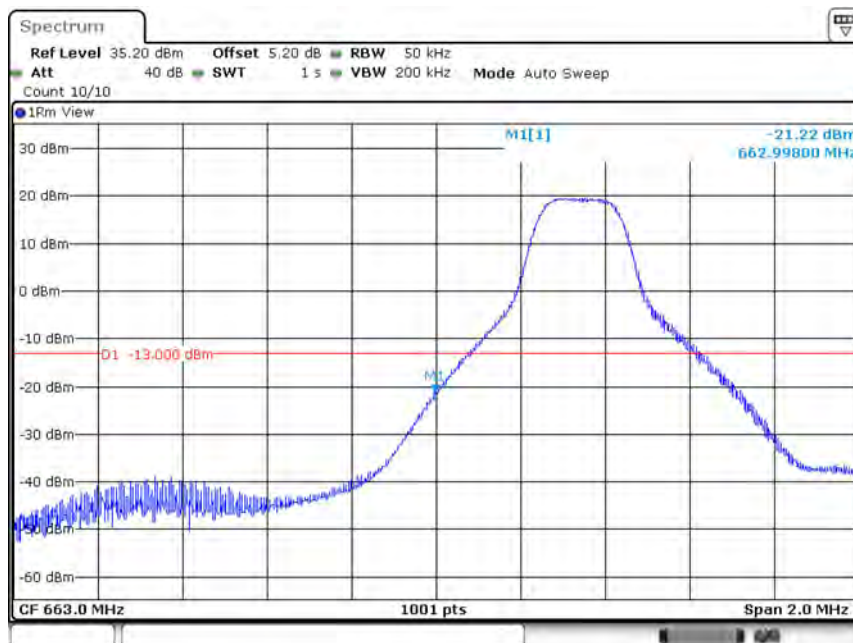


**Band71-5MHz-64QAM-133447-25RB#0**



Date: 28.AUG 2020 10:19:42

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



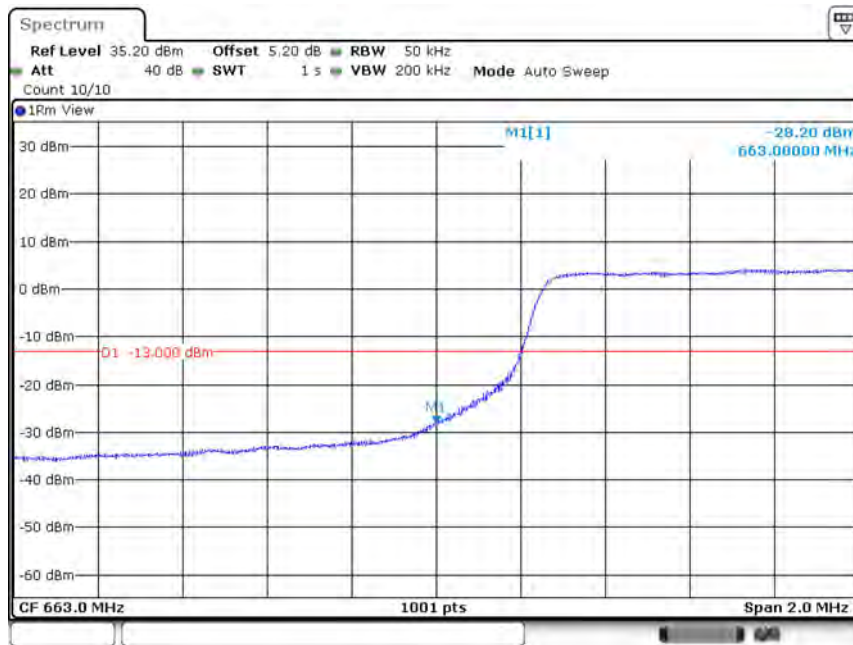
Date: 28.AUG 2020 09:33:52



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



Date: 28.AUG 2020 09:34:33

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



Date: 28.AUG 2020 09:35:18



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



Date: 28.AUG 2020 09:35:59

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



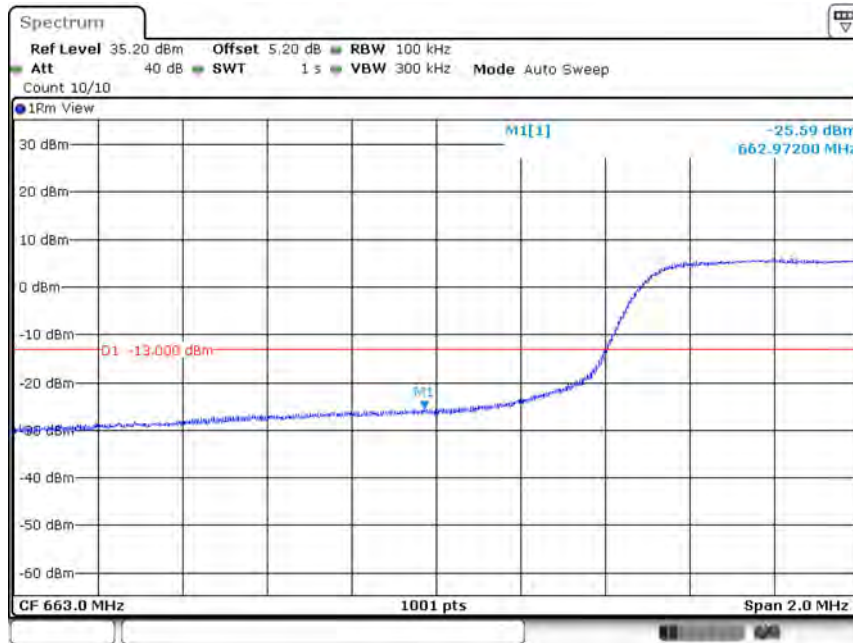
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**Band71-10MHz-QPSK-133172-50RB#0**



Date: 28.AUG 2020 09:37:06

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



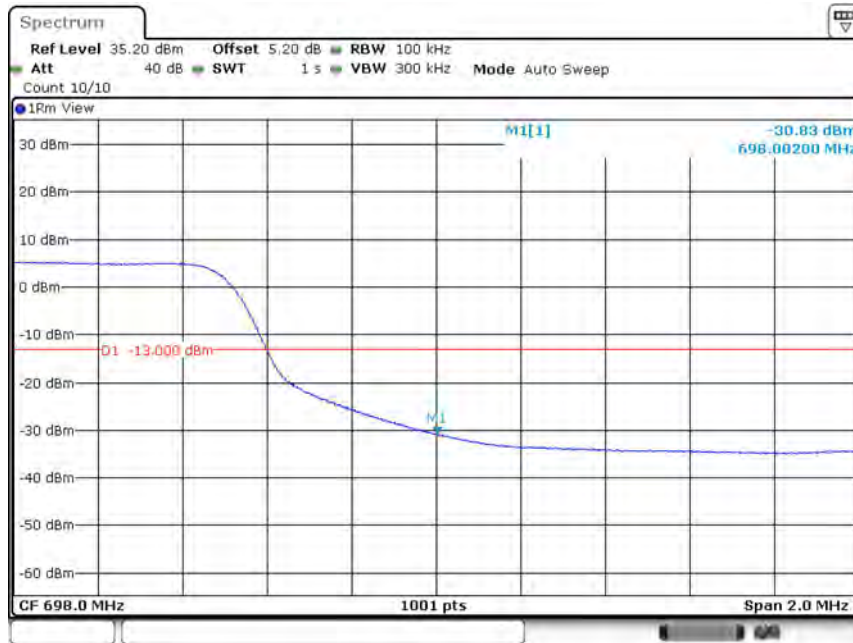
Date: 28.AUG 2020 09:37:51



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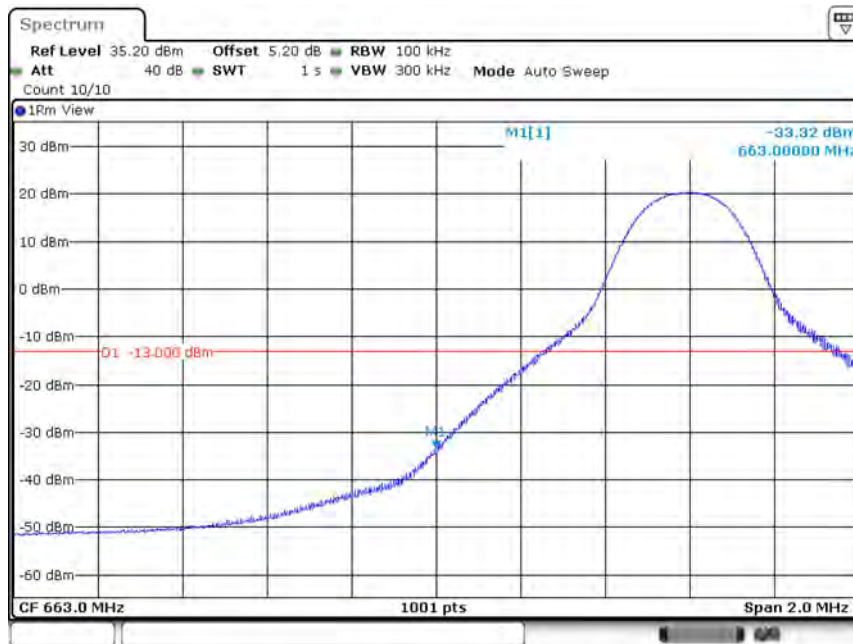


**Band71-10MHz-QPSK-133422-50RB#0**



Date: 28.AUG 2020 09:38:32

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



Date: 28.AUG 2020 10:20:19

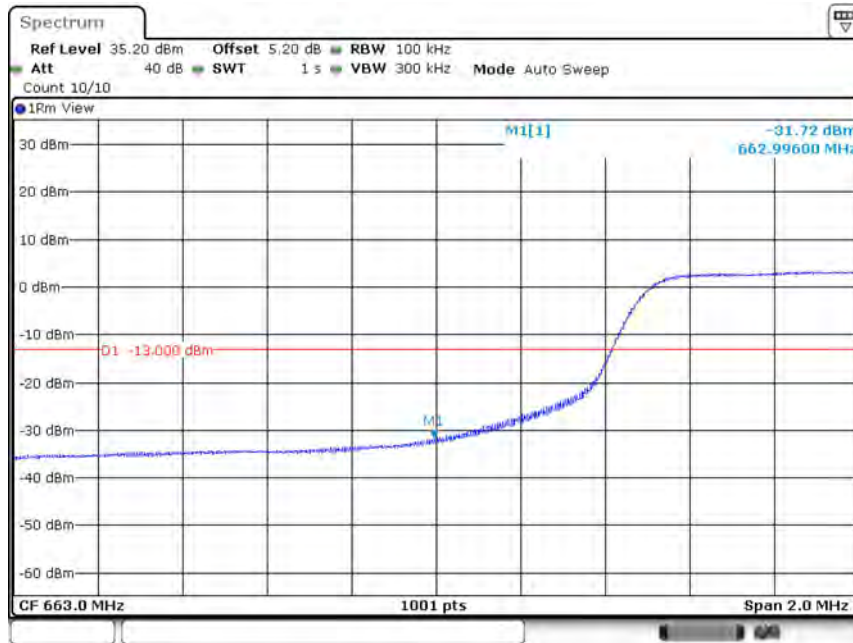


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**Band71-10MHz-64QAM-133172-50RB#0**



Date: 28.AUG.2020 10:20:40

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



Date: 3.SEP.2020 11:48:13



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



Date: 28.AUG 2020 10:21:27

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



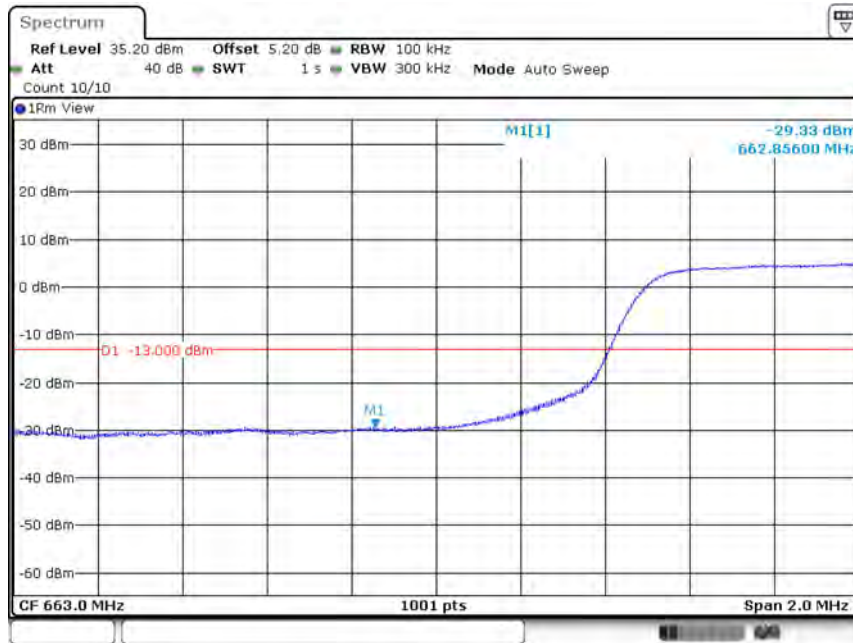
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**Band71-10MHz-16QAM-133172-50RB#0**



Date: 28.AUG 2020 09:37:26

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



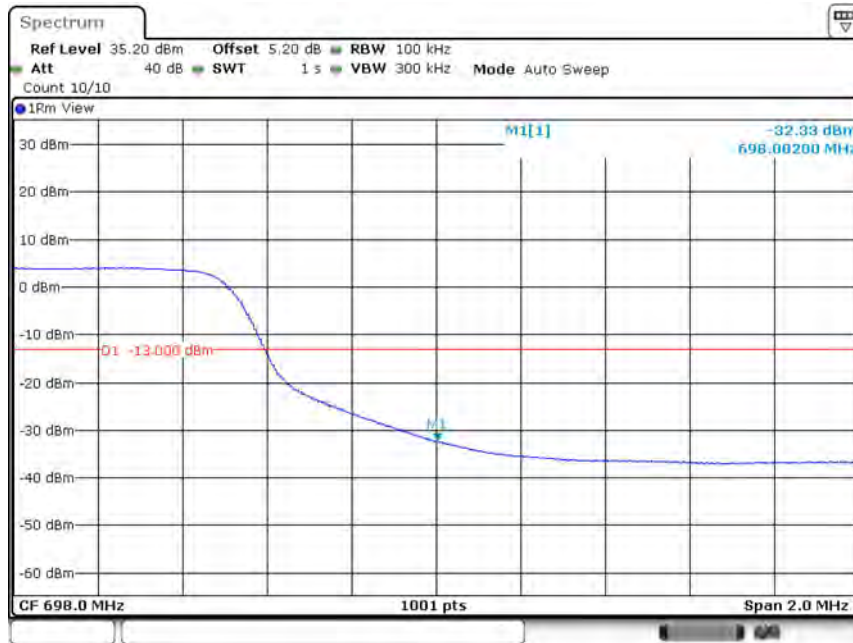
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**Band71-10MHz-16QAM-133422-50RB#0**



Date: 28.AUG.2020.09.38.52

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



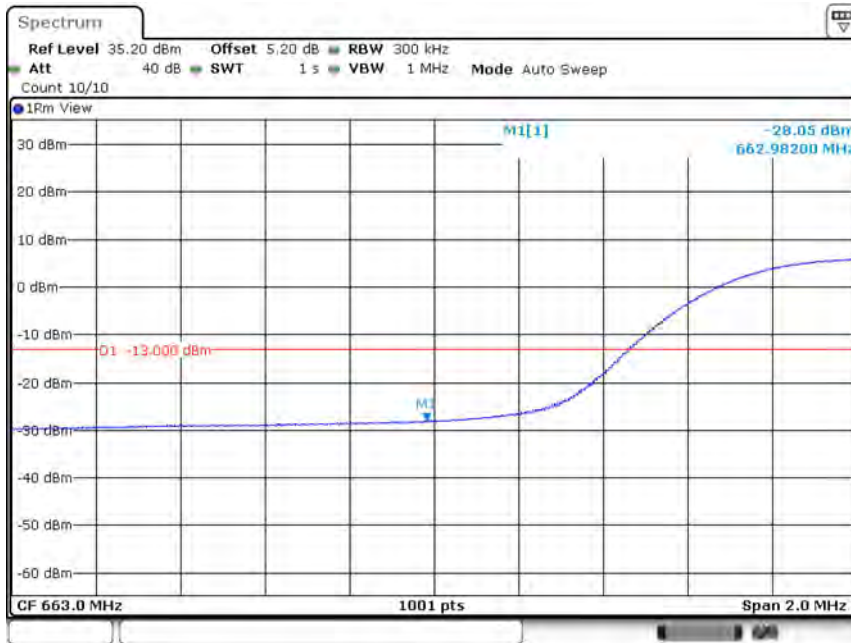
Date: 28.AUG.2020.09.39.19



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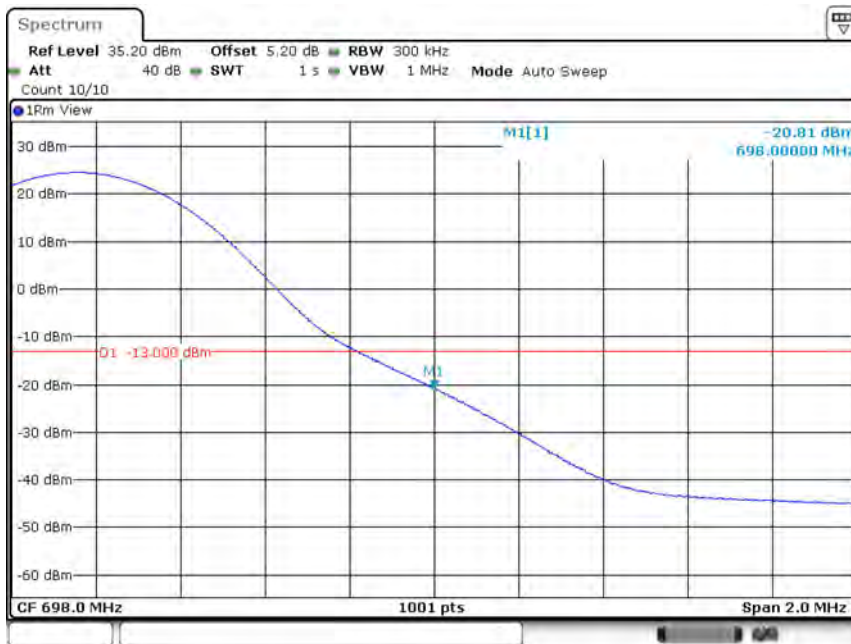


**Band71-15MHz-QPSK-133197-75RB#0**



Date: 28.AUG.2020 09:39:59

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



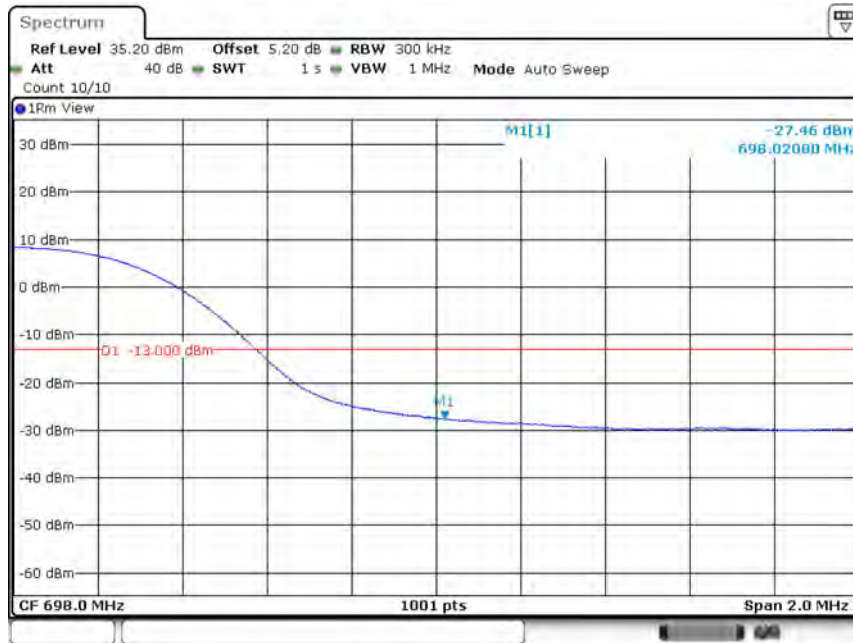
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**Band71-15MHz-QPSK-133397-75RB#0**



Date: 28.AUG 2020 09:41:25

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



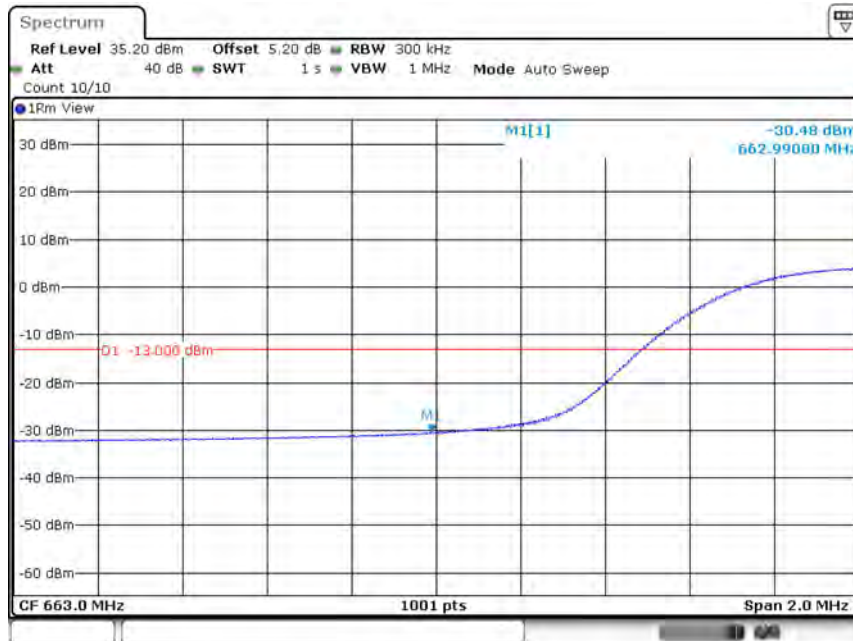
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**Band71-15MHz-64QAM-133197-75RB#0**



Date: 28.AUG.2020 10:24:48

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



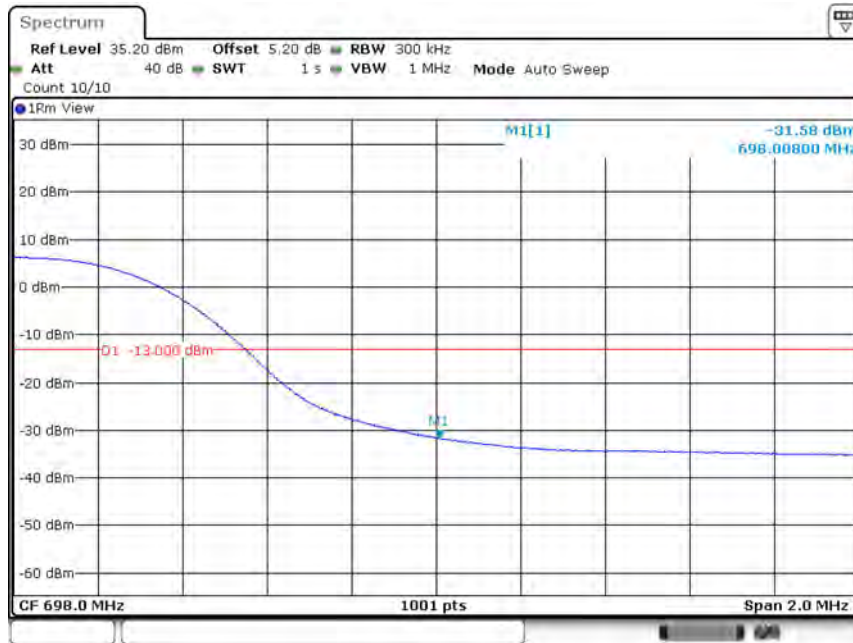
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**Band71-15MHz-64QAM-133397-75RB#0**



Date: 28.AUG.2020 10:25:36

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



Date: 28.AUG.2020 09:39:39



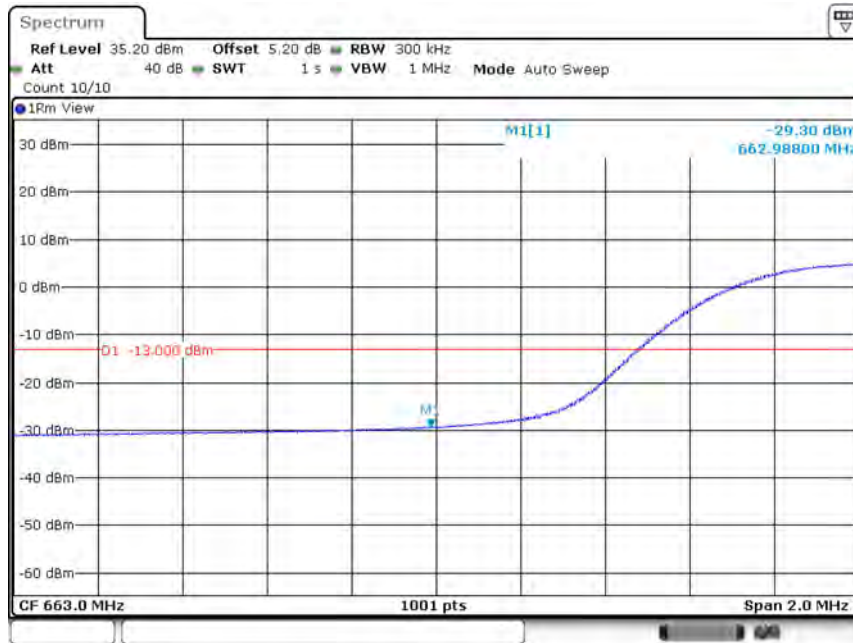
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**Band71-15MHz-16QAM-133197-75RB#0**



Date: 28.AUG 2020 09:40:20

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



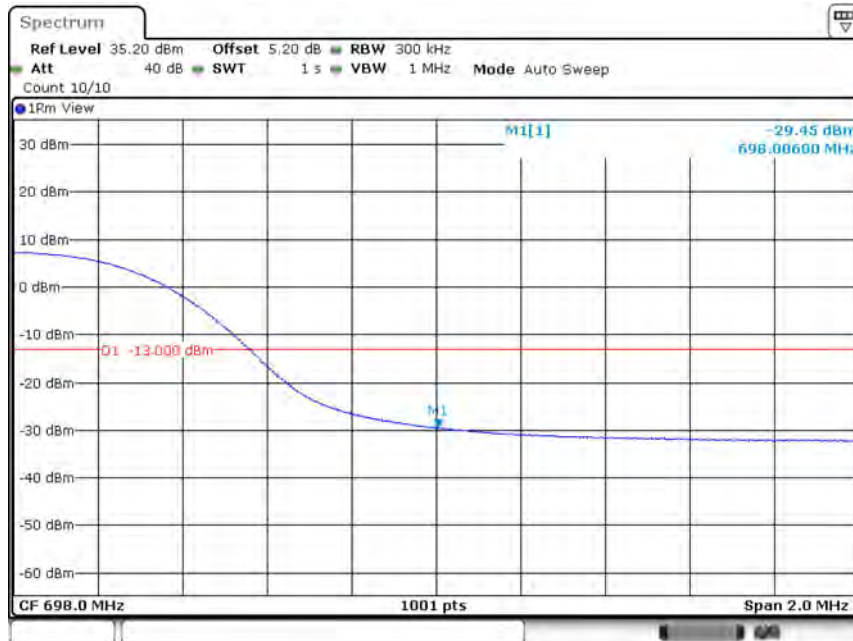
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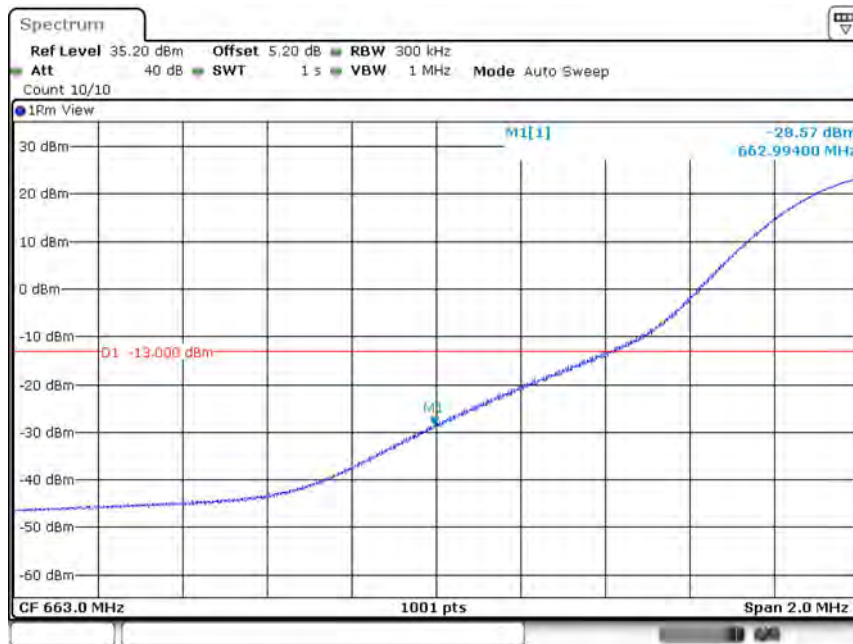


**Band71-15MHz-16QAM-133397-75RB#0**



Date: 28.AUG 2020 09:41:46

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



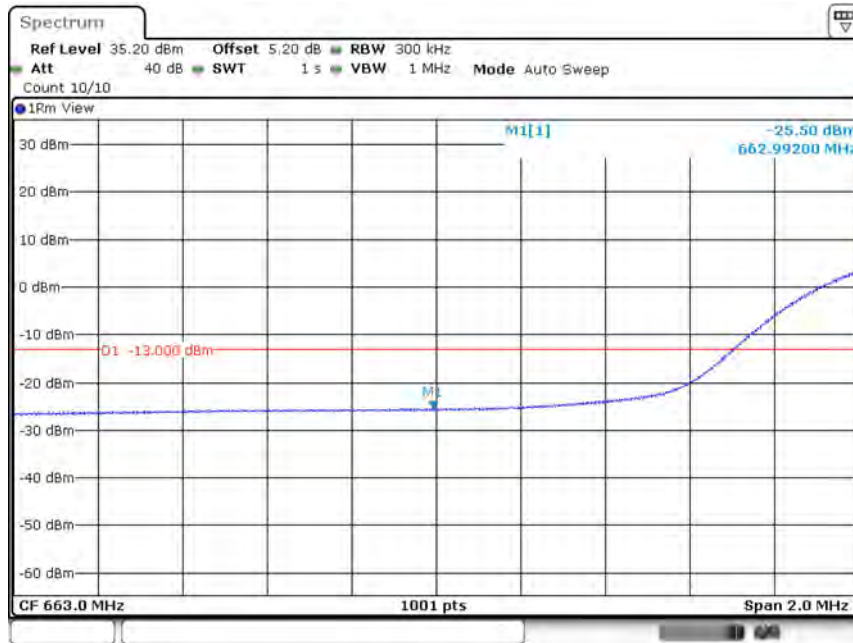
Date: 28.AUG 2020 09:42:20



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



Date: 28.AUG 2020 09:43:00

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



Date: 28.AUG 2020 09:43:52



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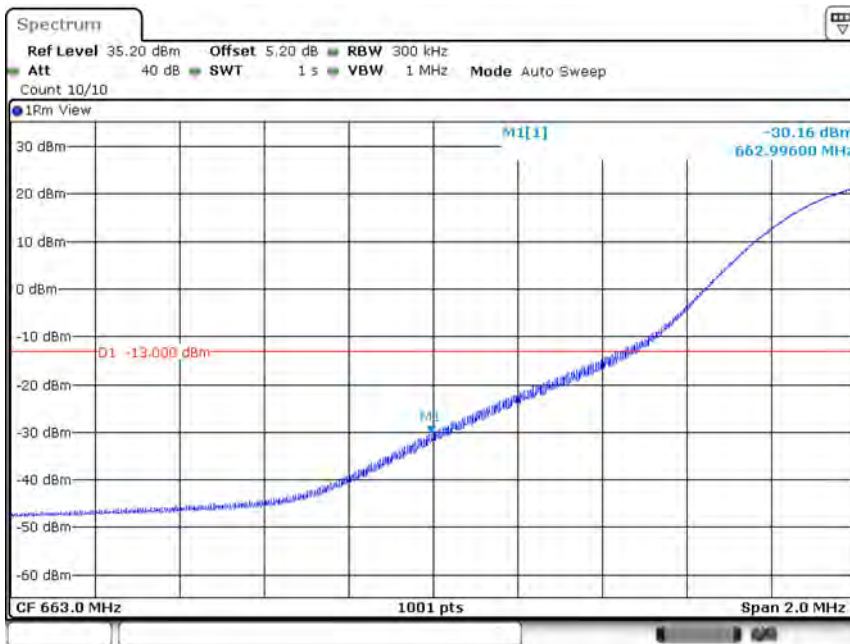


**Band71-20MHz-QPSK-133372-100RB#0**



Date: 28.AUG.2020 09:44:33

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



Date: 1.SEP.2020 20:05:22



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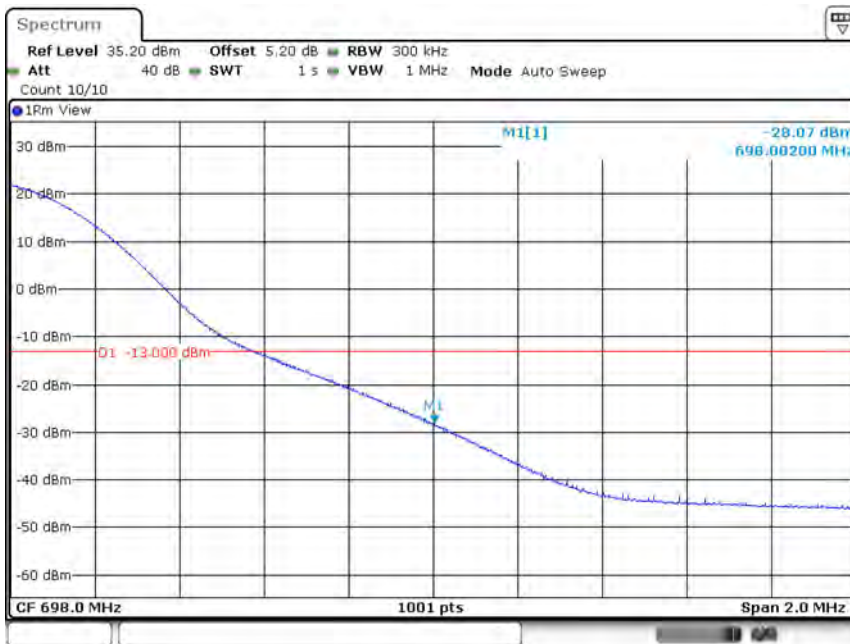


**Band71-20MHz-64QAM-133222-100RB#0**



Date: 28.AUG 2020 10:26:25

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



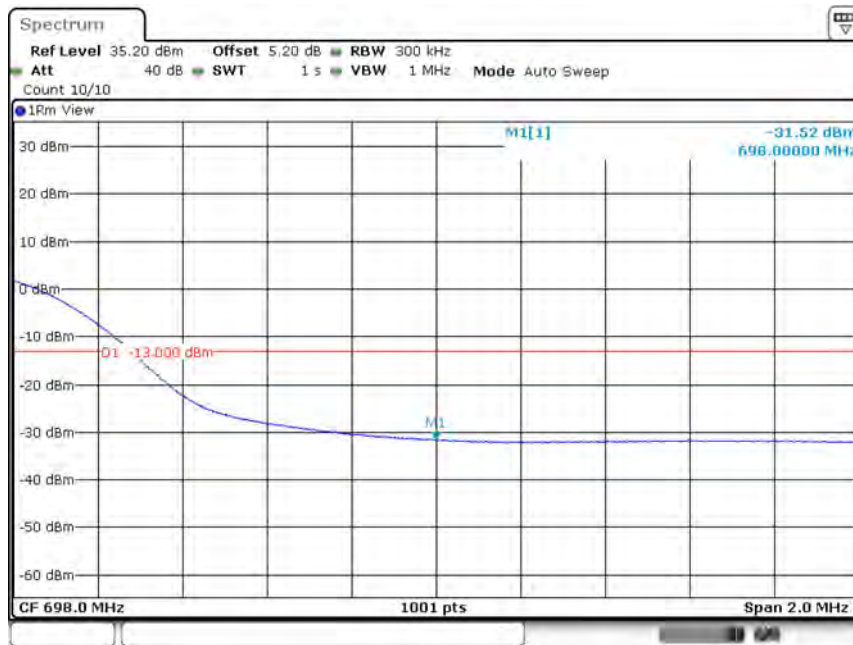
Date: 28.AUG 2020 10:28:00



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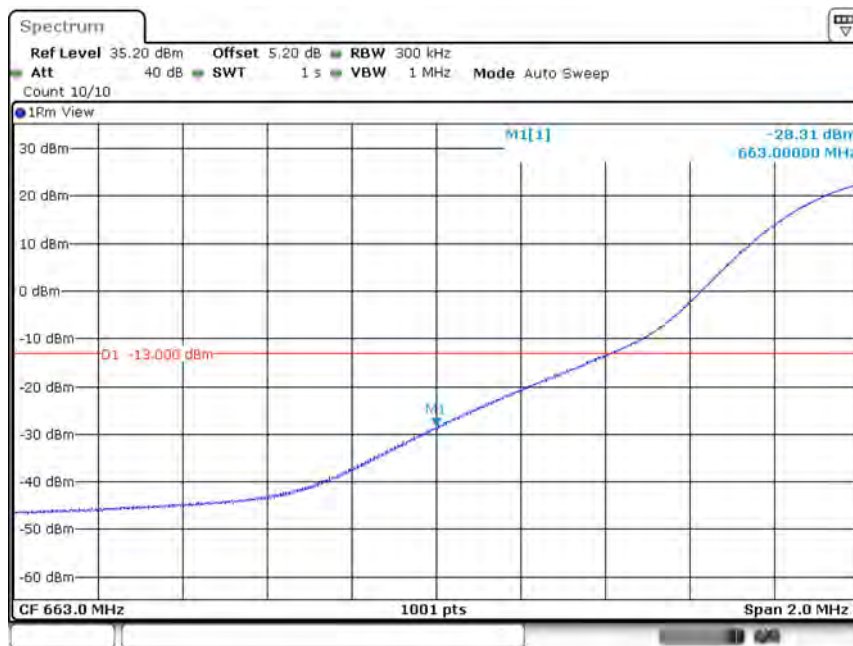


**Band71-20MHz-64QAM-133372-100RB#0**



Date: 28.AUG.2020 10:28:20

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



Date: 28.AUG.2020 09:42:40

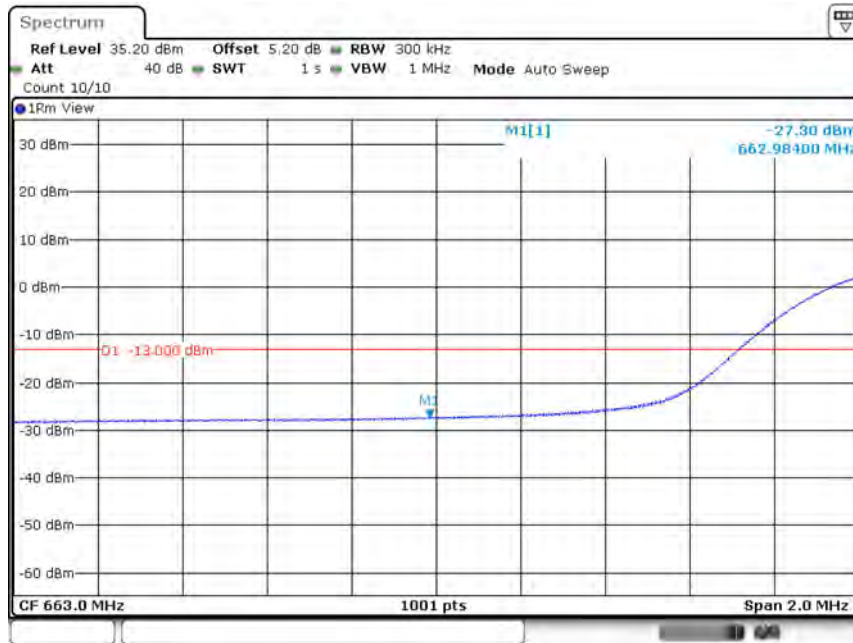


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**Band71-20MHz-16QAM-133222-100RB#0**



Date: 28.AUG.2020 09:43:21

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

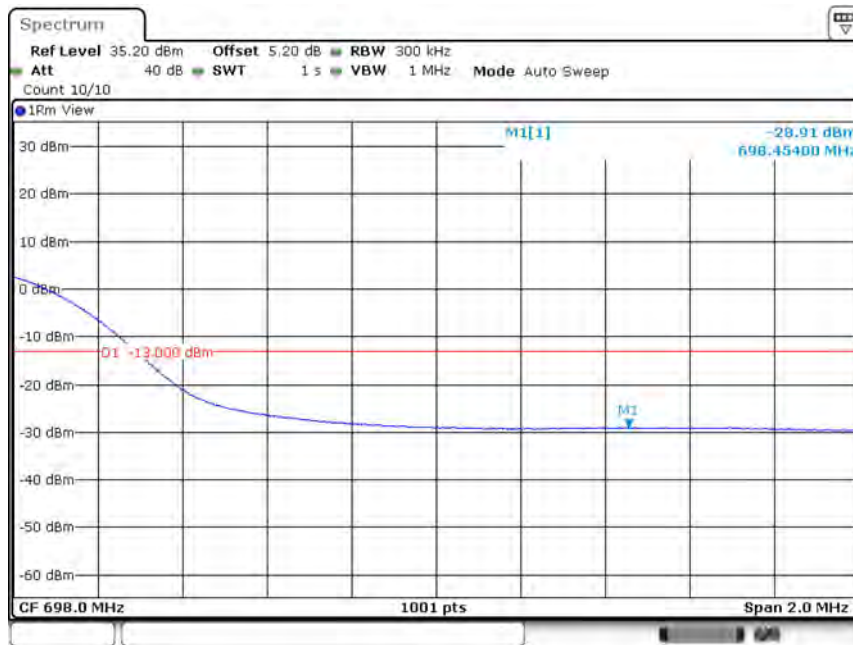


Date: 28.AUG.2020 09:44:12



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



Date: 28 AUG 2020 09:44:54



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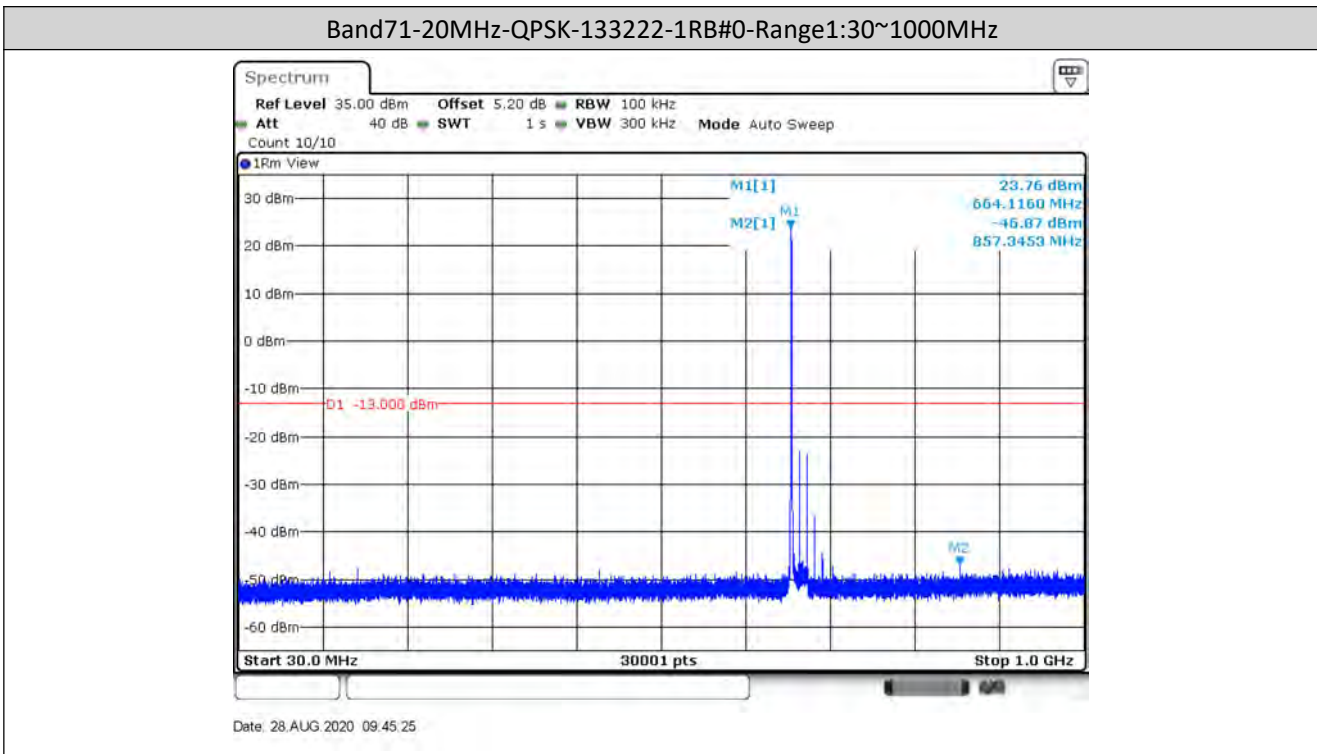


## 6. Spurious Emission at Antenna Terminal

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.

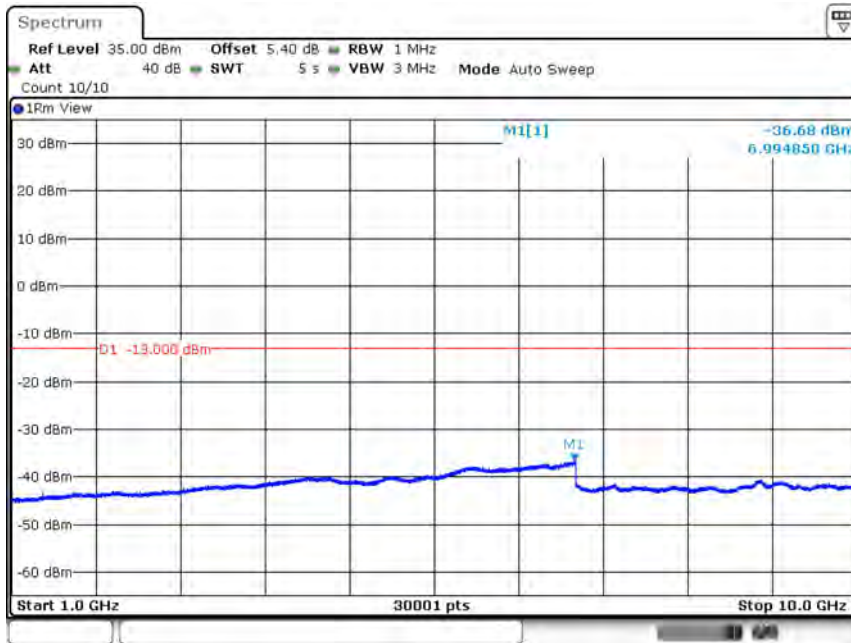
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



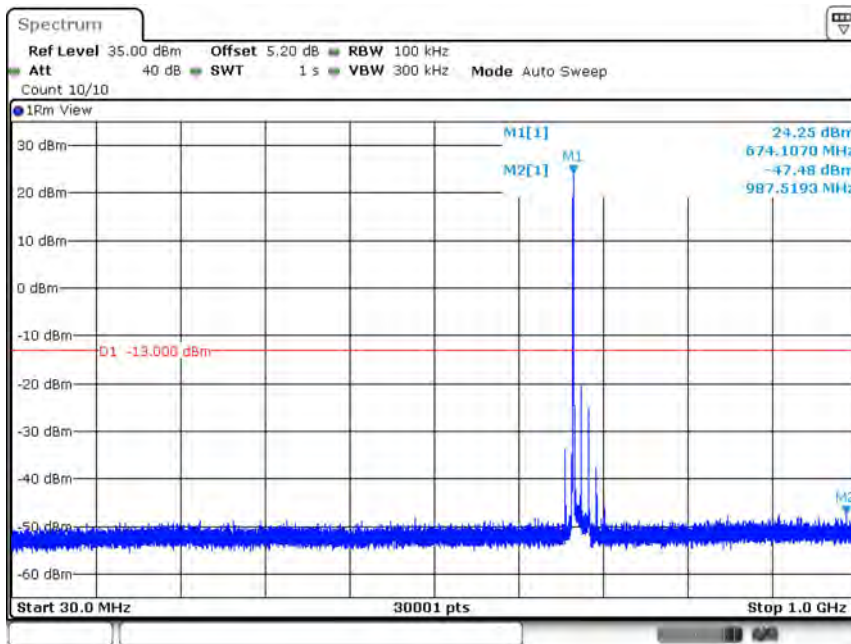
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Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~12000MHz



Date: 1 SEP 2020 20:50:43

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



Date: 28 AUG 2020 09:48:19



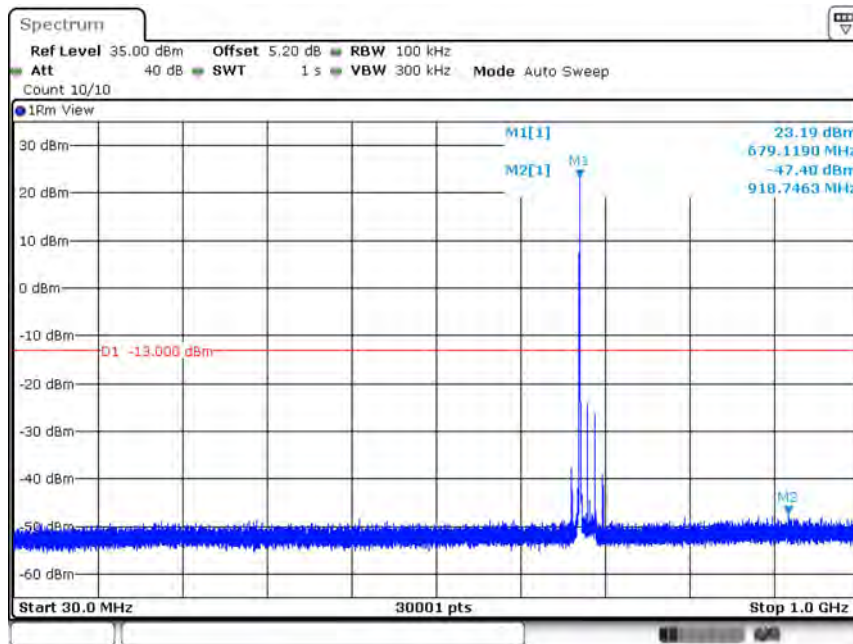
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**Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 20:53:05

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



Date: 28.AUG.2020 09:51:13



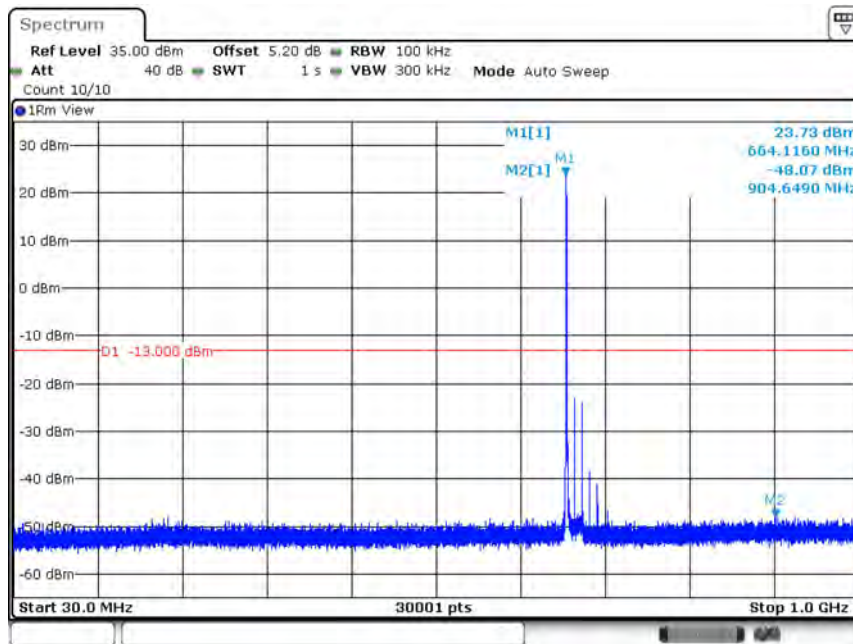
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**Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 20:55:26

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



Date: 28.AUG.2020 10:29:17



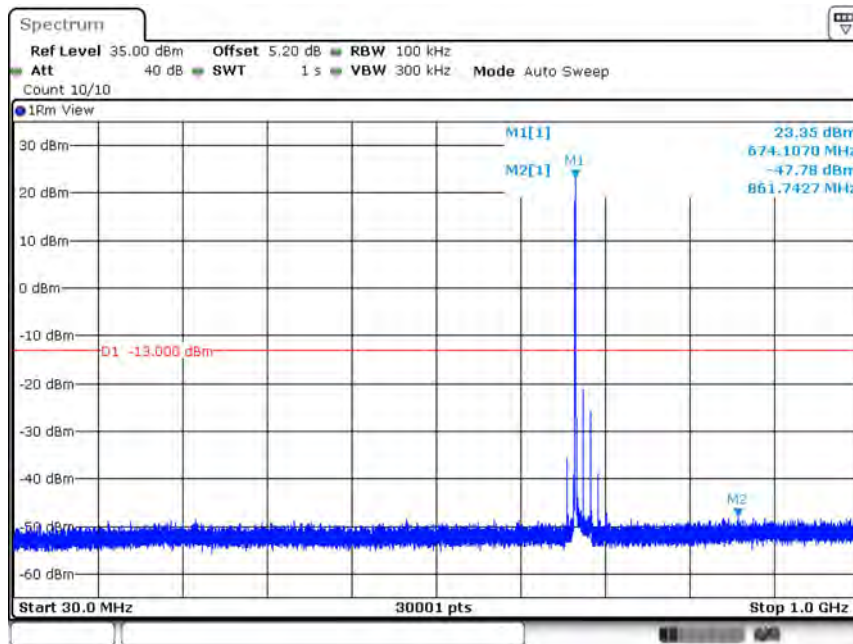
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**Band71-20MHz-64QAM-133222-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 21:14:37

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



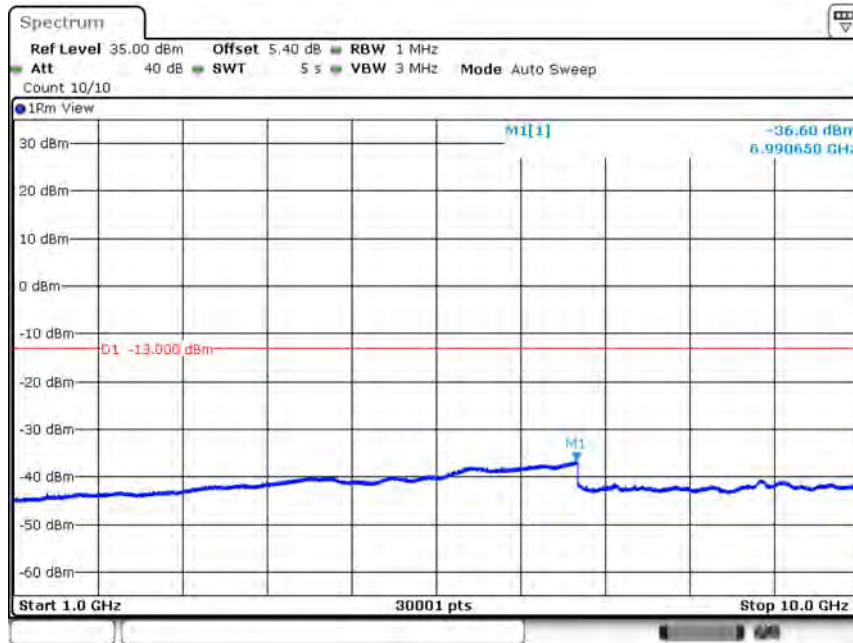
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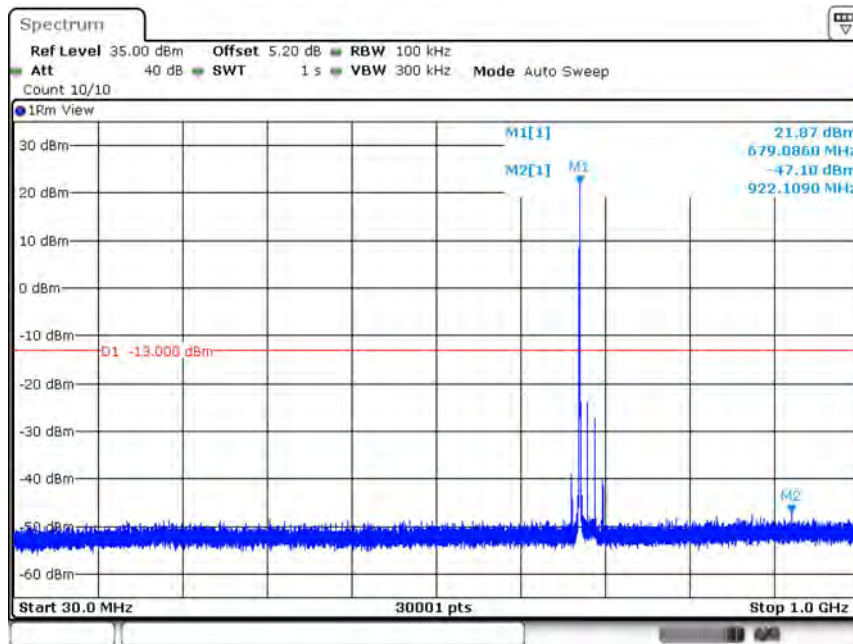
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**Band71-20MHz-64QAM-133322-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 21:15:48

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

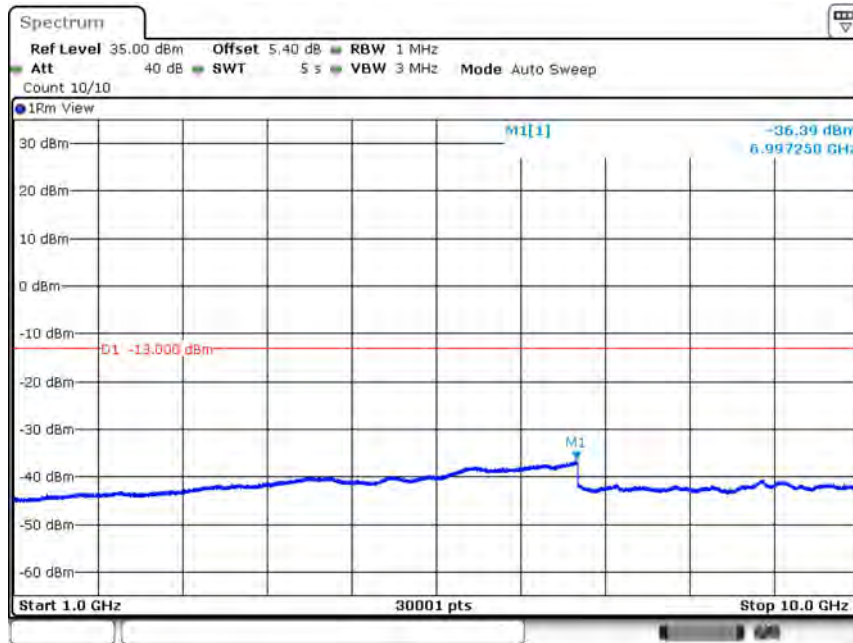


Date: 28.AUG.2020 10:32:12



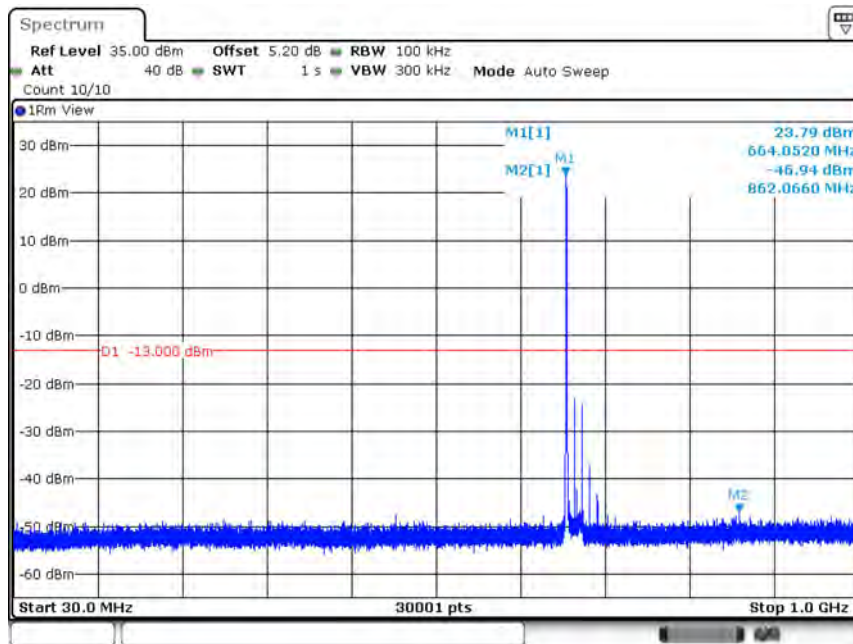
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**Band71-20MHz-64QAM-133372-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 21:16:59

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



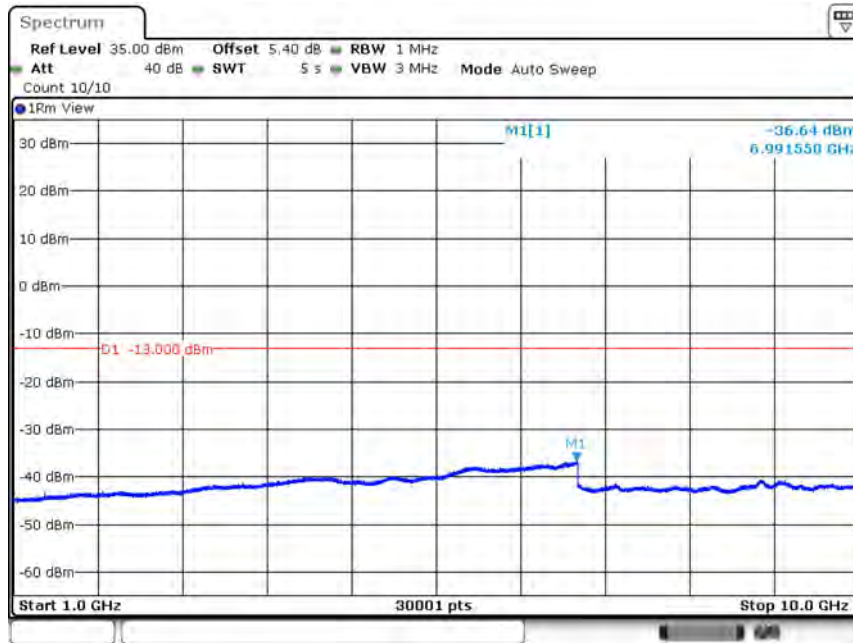
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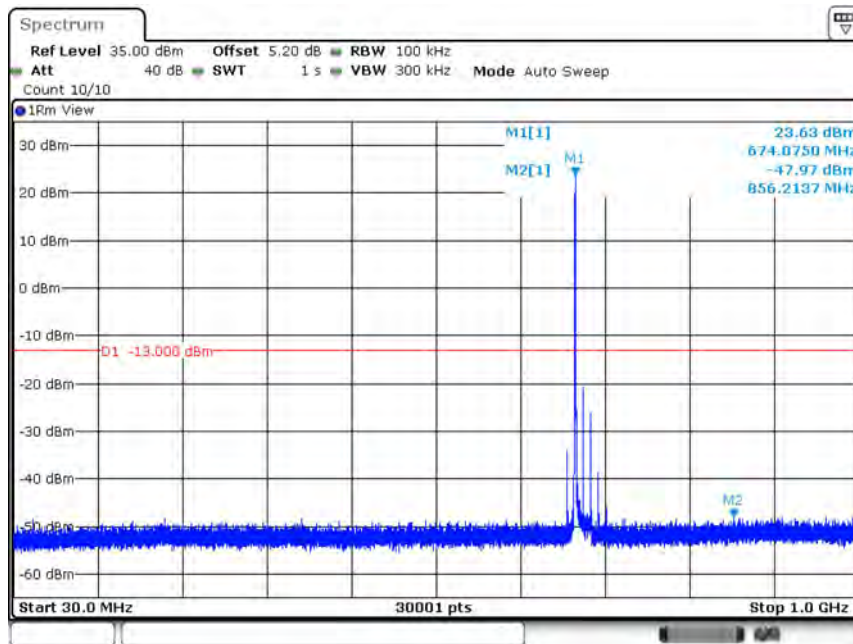
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**Band71-20MHz-16QAM-133222-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 20:51:54

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



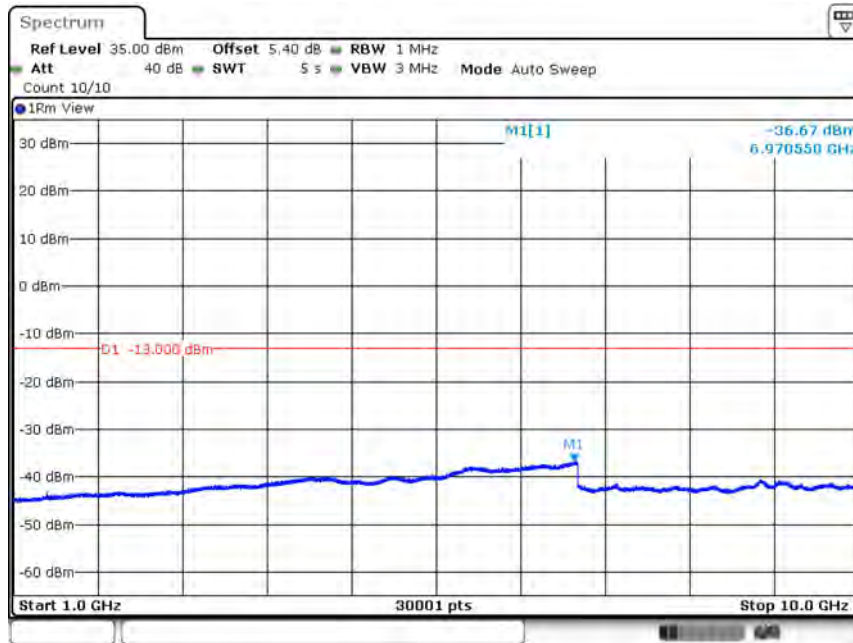
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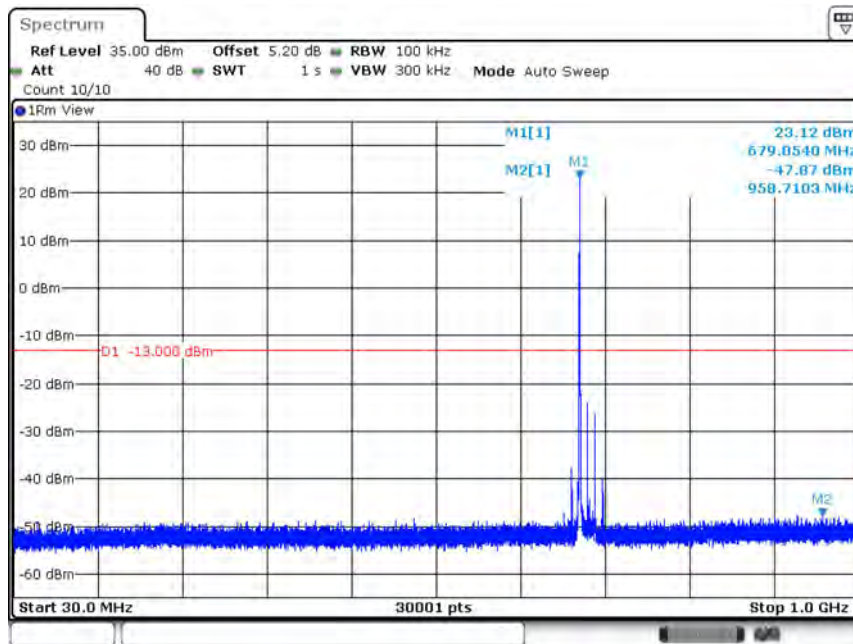


**Band71-20MHz-16QAM-133322-1RB#0-Range2:1000~12000MHz**



Date: 1.SEP.2020 20:54:15

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

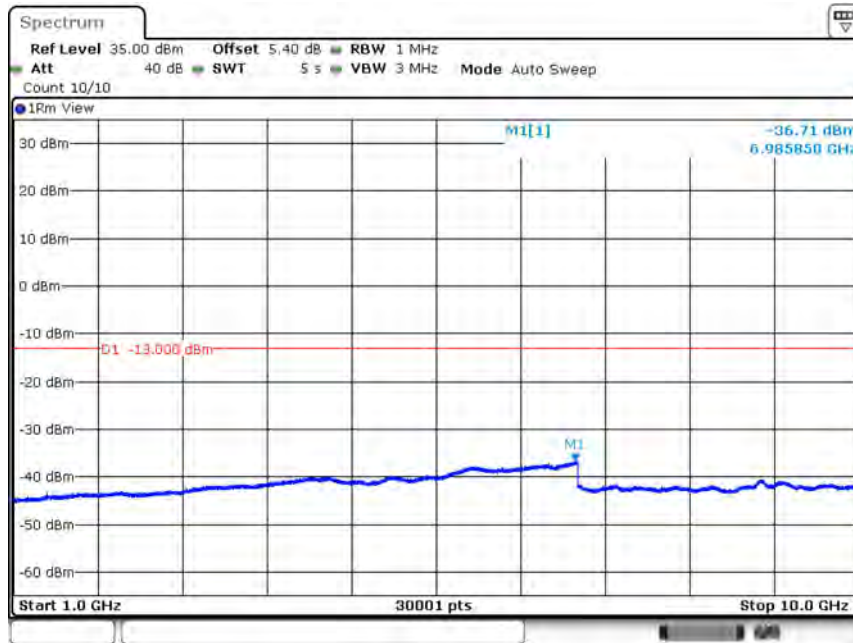


Date: 28.AUG.2020 09:52:40



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**Band71-20MHz-16QAM-133372-1RB#0-Range2:1000~12000MHz**



Date 1 SEP 2020 20:56:37



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## 7. Field Strength of Spurious Radiation

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

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.4980	-71.27	-13.00	58.27	Vertical
111.8721	-65.32	-13.00	52.32	Vertical
343.4712	-68.80	-13.00	55.80	Vertical
1328.0656	-62.77	-13.00	49.77	Vertical
1992.1984	-54.16	-13.00	41.16	Vertical
7437.6175	-55.36	-13.00	42.36	Vertical
44.2597	-63.81	-13.00	50.81	Horizontal
102.9962	-75.97	-13.00	62.97	Horizontal
231.6246	-68.42	-13.00	55.42	Horizontal
1328.0656	-57.08	-13.00	44.08	Horizontal
1992.1984	-50.41	-13.00	37.41	Horizontal
7460.8584	-55.12	-13.00	42.12	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.2255	-71.10	-13.00	58.10	Vertical
112.3571	-64.98	-13.00	51.98	Vertical
322.1301	-69.97	-13.00	56.97	Vertical
1343.2687	-63.50	-13.00	50.50	Vertical
2014.6029	-52.07	-13.00	39.07	Vertical
7458.0583	-55.15	-13.00	42.15	Vertical
45.0843	-64.72	-13.00	51.72	Horizontal
116.2858	-75.40	-13.00	62.40	Horizontal
231.1396	-68.38	-13.00	55.38	Horizontal
1342.8686	-59.19	-13.00	46.19	Horizontal
2014.6029	-48.40	-13.00	35.40	Horizontal
7468.6987	-55.41	-13.00	42.41	Horizontal



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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.9644	-72.41	-13.00	59.41	Vertical
113.2302	-65.59	-13.00	52.59	Vertical
281.3396	-69.70	-13.00	56.70	Vertical
1358.0716	-62.34	-13.00	49.34	Vertical
2037.4075	-51.37	-13.00	38.37	Vertical
7436.2174	-55.26	-13.00	42.26	Vertical
44.7447	-63.77	-13.00	50.77	Horizontal
85.5353	-76.06	-13.00	63.06	Horizontal
247.0969	-68.49	-13.00	55.49	Horizontal
1358.0716	-59.95	-13.00	46.95	Horizontal
2037.4075	-48.48	-13.00	35.48	Horizontal
7461.4185	-55.57	-13.00	42.57	Horizontal

**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	0.80	0.001189	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	-1.40	-0.002080	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	3.30	0.004832	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	2.50	0.003660	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	1.40	0.002050	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VL	NT	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	0.50	0.000727	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VL	NT	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VN	NT	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VH	NT	-0.90	-0.001337	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VL	NT	1.10	0.001611	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VN	NT	0.40	0.000586	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VH	NT	2.90	0.004246	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VL	NT	1.20	0.001744	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VN	NT	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VH	NT	-2.20	-0.003198	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VL	NT	-0.30	-0.000446	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VN	NT	-1.60	-0.002377	±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	2.20	0.003221	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	1.20	0.001757	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	0.90	0.001318	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	-1.10	-0.001599	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	0.40	0.000581	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	-1.20	-0.001744	±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	0.10	0.000149	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-20	-1.80	-0.002675	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-10	-1.00	-0.001486	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-1.80	-0.002675	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	10	-1.20	-0.001783	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	-2.30	-0.003418	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-0.40	-0.000594	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	-0.90	-0.001337	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	1.70	0.002489	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	2.50	0.003660	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	2.90	0.004246	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	2.60	0.003807	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	0.70	0.001025	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	0.90	0.001318	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	1.10	0.001611	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	1.10	0.001611	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	0.40	0.000586	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	-1.70	-0.002471	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	-0.60	-0.000872	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-10	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	-1.00	-0.001453	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	-0.90	-0.001308	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	-1.50	-0.002180	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	30	-1.90	-0.002762	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	40	-2.60	-0.003779	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	50	0.50	0.000727	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-30	-2.20	-0.003269	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-20	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-10	-1.80	-0.002675	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	0	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	10	-2.40	-0.003566	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	20	-2.40	-0.003566	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	30	0.70	0.001040	±2.5	PASS



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Band71	20MHz	64QAM	133222	100RB#0	NV	40	-1.00	-0.001486	±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	1.40	0.002050	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-10	2.50	0.003660	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	0	3.50	0.005124	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	10	1.40	0.002050	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	20	2.80	0.004100	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	30	1.20	0.001757	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	40	1.60	0.002343	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	50	1.30	0.001903	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-30	-1.80	-0.002616	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-20	-1.00	-0.001453	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-10	-0.20	-0.000291	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	0	-0.70	-0.001017	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	10	-1.40	-0.002035	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	20	-2.10	-0.003052	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	40	-1.50	-0.002180	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	50	-2.00	-0.002907	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	-0.30	-0.000446	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-20	-0.10	-0.000149	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-10	-0.80	-0.001189	±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	-2.20	-0.003269	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	20	-0.60	-0.000892	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	30	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	40	-1.70	-0.002526	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	50	-0.60	-0.000892	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	1.20	0.001757	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-10	0.50	0.000732	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	1.10	0.001611	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	10	1.50	0.002196	±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	30	1.70	0.002489	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	40	2.00	0.002928	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	50	2.50	0.003660	±2.5	PASS



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Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-1.20	-0.001744	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-20	-0.30	-0.000436	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-10	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	-2.60	-0.003779	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-1.20	-0.001744	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	30	-0.20	-0.000291	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	40	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	50	-1.20	-0.001744	±2.5	PASS



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