



# Appendix B

## E-UTRA Band 71



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

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# 1 Effective (Isotropic) Radiated Power

## 1.1 Test Result

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.34	20.7	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.24	20.6	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.25	20.61	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.32	19.68	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.33	19.69	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.31	19.67	36.98	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.32	19.68	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.25	20.61	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.31	20.67	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.26	20.62	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.40	19.76	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.37	19.73	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.35	19.71	36.98	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.39	19.75	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.34	20.7	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.28	20.64	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.22	20.58	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.36	19.72	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.33	19.69	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.27	19.63	36.98	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.33	19.69	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.58	19.94	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.48	19.84	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.60	19.96	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.37	18.73	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.32	18.68	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.36	18.72	36.98	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.40	18.76	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.48	19.84	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.61	19.97	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.64	20	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.44	18.8	36.98	PASS



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Band71	5MHz	16QAM	133297	12RB#6	21.41	18.77	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.37	18.73	36.98	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.38	18.74	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.65	20.01	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.44	19.8	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.42	19.78	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.38	18.74	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.41	18.77	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.29	18.65	36.98	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.33	18.69	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.28	19.64	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.09	19.45	36.98	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.10	19.46	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#0	21.05	18.41	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#6	21.08	18.44	36.98	PASS
Band71	5MHz	64QAM	133147	12RB#13	21.07	18.43	36.98	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.11	18.47	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.08	19.44	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.16	19.52	36.98	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.10	19.46	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#0	21.15	18.51	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#6	21.15	18.51	36.98	PASS
Band71	5MHz	64QAM	133297	12RB#13	21.06	18.42	36.98	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.08	18.44	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.16	19.52	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.12	19.48	36.98	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.10	19.46	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#0	21.06	18.42	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#6	21.12	18.48	36.98	PASS
Band71	5MHz	64QAM	133447	12RB#13	21.05	18.41	36.98	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.06	18.42	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.40	20.76	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.29	20.65	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.20	20.56	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.41	19.77	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.37	19.73	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.38	19.74	36.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.31	19.67	36.98	PASS



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.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



Band71	10MHz	QPSK	133297	1RB#0	23.40	20.76	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.30	20.66	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.27	20.63	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.41	19.77	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.46	19.82	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.30	19.66	36.98	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.36	19.72	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.45	20.81	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.32	20.68	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.20	20.56	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.45	19.81	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.39	19.75	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.28	19.64	36.98	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.33	19.69	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.63	19.99	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.59	19.95	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.48	19.84	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.40	18.76	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.38	18.74	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.39	18.75	36.98	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.33	18.69	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.73	20.09	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.55	19.91	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.60	19.96	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.44	18.8	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.42	18.78	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.31	18.67	36.98	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.40	18.76	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.68	20.04	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.47	19.83	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.43	19.79	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.41	18.77	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.36	18.72	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.31	18.67	36.98	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.37	18.73	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.31	19.67	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.15	19.51	36.98	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.10	19.46	36.98	PASS



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Band71	10MHz	64QAM	133172	25RB#0	21.16	18.52	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#12	21.17	18.53	36.98	PASS
Band71	10MHz	64QAM	133172	25RB#25	21.14	18.5	36.98	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.06	18.42	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.28	19.64	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.24	19.6	36.98	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.18	19.54	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#0	21.18	18.54	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#12	21.12	18.48	36.98	PASS
Band71	10MHz	64QAM	133297	25RB#25	21.04	18.4	36.98	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.13	18.49	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.35	19.71	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.11	19.47	36.98	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.08	19.44	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#0	21.19	18.55	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#12	21.17	18.53	36.98	PASS
Band71	10MHz	64QAM	133422	25RB#25	21.08	18.44	36.98	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.12	18.48	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.41	20.77	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.37	20.73	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.36	20.72	36.98	PASS
Band71	15MHz	QPSK	133197	38RB#0	23.41	20.77	36.98	PASS
Band71	15MHz	QPSK	133197	38RB#18	23.41	20.77	36.98	PASS
Band71	15MHz	QPSK	133197	38RB#37	23.37	20.73	36.98	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.45	19.81	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.52	20.88	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.32	20.68	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.23	20.59	36.98	PASS
Band71	15MHz	QPSK	133297	38RB#0	23.51	20.87	36.98	PASS
Band71	15MHz	QPSK	133297	38RB#18	23.51	20.87	36.98	PASS
Band71	15MHz	QPSK	133297	38RB#37	23.33	20.69	36.98	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.39	19.75	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.36	20.72	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.42	20.78	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.17	20.53	36.98	PASS
Band71	15MHz	QPSK	133397	38RB#0	23.37	20.73	36.98	PASS
Band71	15MHz	QPSK	133397	38RB#18	23.40	20.76	36.98	PASS
Band71	15MHz	QPSK	133397	38RB#37	23.42	20.78	36.98	PASS



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Band71	15MHz	QPSK	133397	75RB#0	22.44	19.8	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.69	20.05	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.71	20.07	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.51	19.87	36.98	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.66	20.02	36.98	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.63	19.99	36.98	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.68	20.04	36.98	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.40	18.76	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.83	20.19	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.66	20.02	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.51	19.87	36.98	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.72	20.08	36.98	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.75	20.11	36.98	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.58	19.94	36.98	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.42	18.78	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.57	19.93	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.74	20.1	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.39	19.75	36.98	PASS
Band71	15MHz	16QAM	133397	38RB#0	22.60	19.96	36.98	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.63	19.99	36.98	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.59	19.95	36.98	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.45	18.81	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.29	19.65	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.24	19.6	36.98	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.19	19.55	36.98	PASS
Band71	15MHz	64QAM	133197	38RB#0	22.27	19.63	36.98	PASS
Band71	15MHz	64QAM	133197	38RB#18	22.28	19.64	36.98	PASS
Band71	15MHz	64QAM	133197	38RB#37	22.24	19.6	36.98	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.16	18.52	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.41	19.77	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.24	19.6	36.98	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.14	19.5	36.98	PASS
Band71	15MHz	64QAM	133297	38RB#0	22.35	19.71	36.98	PASS
Band71	15MHz	64QAM	133297	38RB#18	22.36	19.72	36.98	PASS
Band71	15MHz	64QAM	133297	38RB#37	22.18	19.54	36.98	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.15	18.51	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.29	19.65	36.98	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.33	19.69	36.98	PASS



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Band71	15MHz	64QAM	133397	1RB#74	22.05	19.41	36.98	PASS
Band71	15MHz	64QAM	133397	38RB#0	22.23	19.59	36.98	PASS
Band71	15MHz	64QAM	133397	38RB#18	22.30	19.66	36.98	PASS
Band71	15MHz	64QAM	133397	38RB#37	22.33	19.69	36.98	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.18	18.54	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.34	20.7	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.31	20.67	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.16	20.52	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.38	19.74	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.42	19.78	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.39	19.75	36.98	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.40	19.76	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.55	20.91	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.33	20.69	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.22	20.58	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.44	19.8	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.35	19.71	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.34	19.7	36.98	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.44	19.8	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.33	20.69	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.34	20.7	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.20	20.56	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.41	19.77	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.42	19.78	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.37	19.73	36.98	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.41	19.77	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.58	19.94	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.59	19.95	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.42	19.78	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.39	18.75	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.40	18.76	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.37	18.73	36.98	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.39	18.75	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.74	20.1	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.62	19.98	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.47	19.83	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.46	18.82	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.36	18.72	36.98	PASS



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Band71	20MHz	16QAM	133322	50RB#50	21.36	18.72	36.98	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.47	18.83	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.63	19.99	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.55	19.91	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.35	19.71	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.41	18.77	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.42	18.78	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.35	18.71	36.98	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.42	18.78	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.24	19.6	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.10	19.46	36.98	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.09	19.45	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#0	21.15	18.51	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#25	21.12	18.48	36.98	PASS
Band71	20MHz	64QAM	133222	50RB#50	21.17	18.53	36.98	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.13	18.49	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.46	19.82	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.18	19.54	36.98	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.06	19.42	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#0	21.25	18.61	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#25	21.13	18.49	36.98	PASS
Band71	20MHz	64QAM	133322	50RB#50	21.07	18.43	36.98	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.18	18.54	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.14	19.5	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.14	19.5	36.98	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.02	19.38	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#0	21.15	18.51	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#25	21.17	18.53	36.98	PASS
Band71	20MHz	64QAM	133372	50RB#50	21.15	18.51	36.98	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.16	18.52	36.98	PASS

Remark:

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

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

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



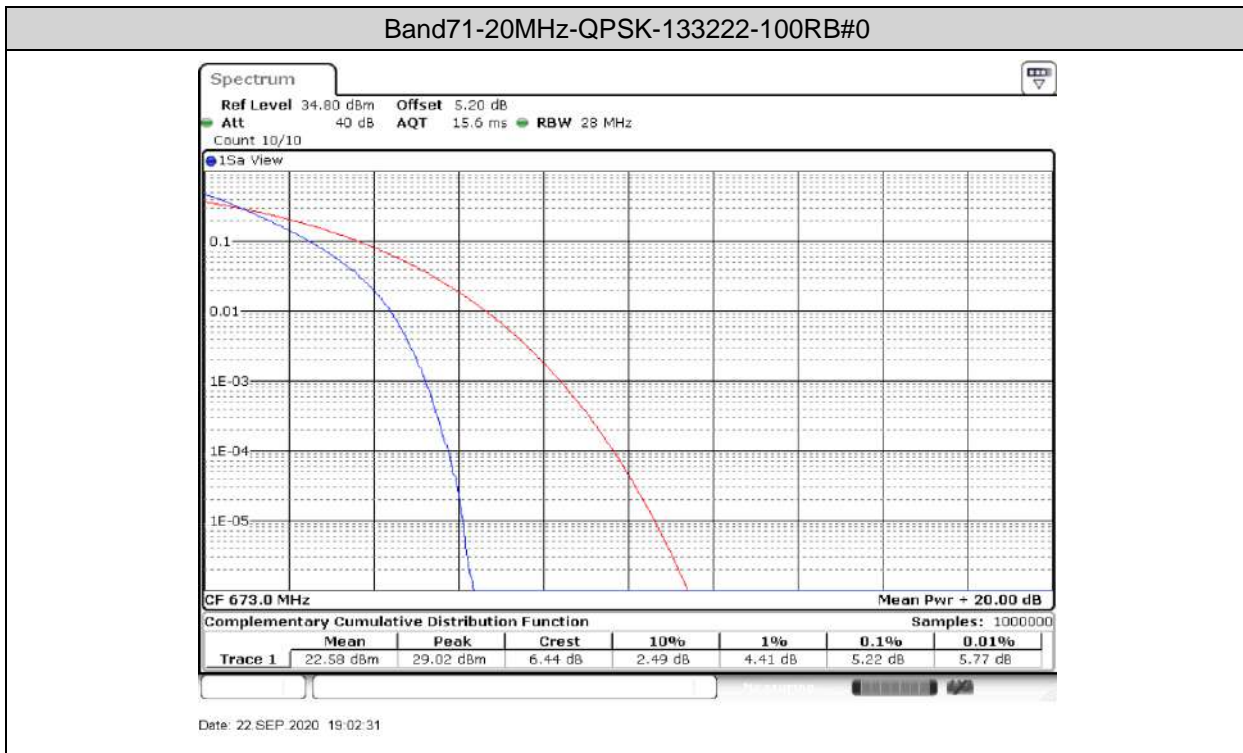
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## 2 Peak-to-Average Ratio (CCDF)

### 2.1 Test Result

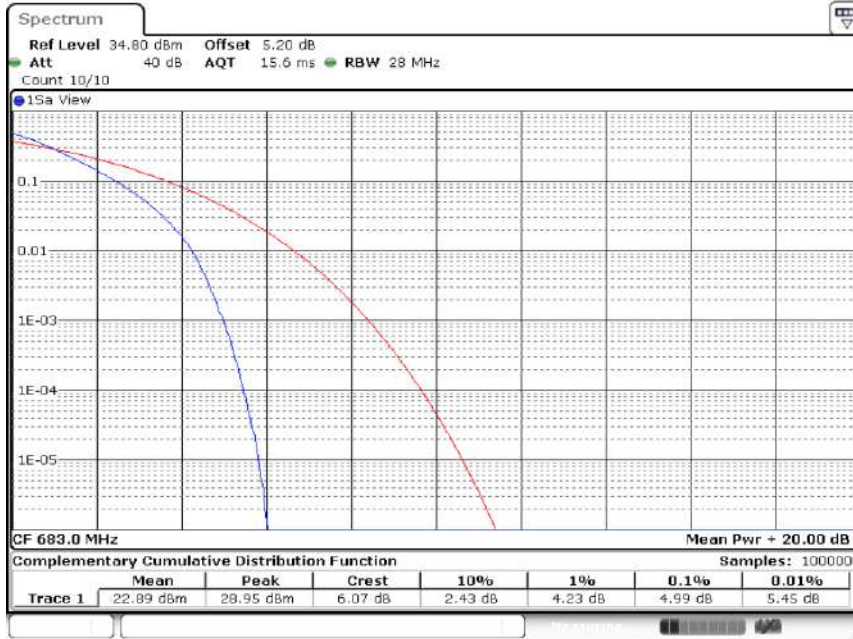
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.22	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.99	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.19	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.03	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.91	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.00	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.43	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.49	13	PASS

### 2.2 Test Plots



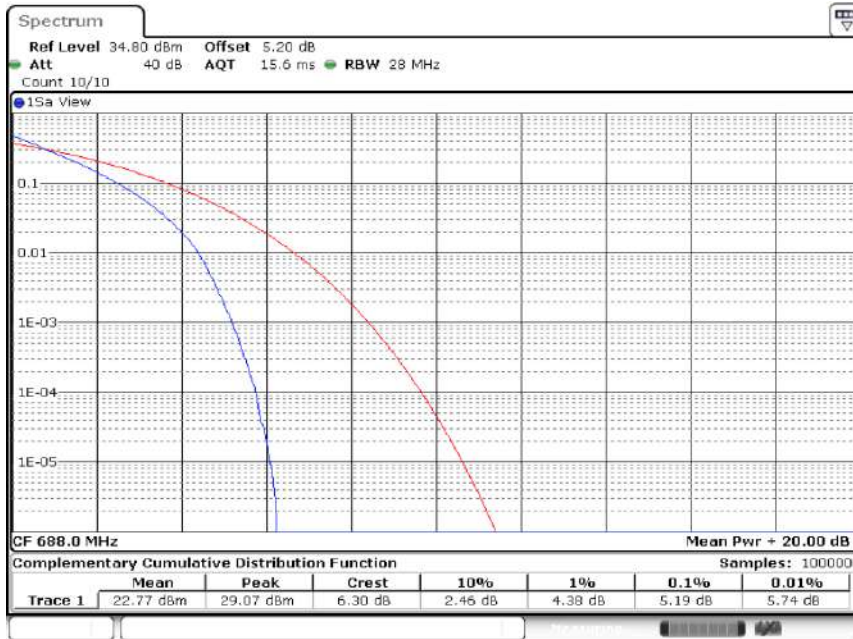
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**Band71-20MHz-QPSK-133322-100RB#0**



Date: 22 SEP 2020 19:03:00

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

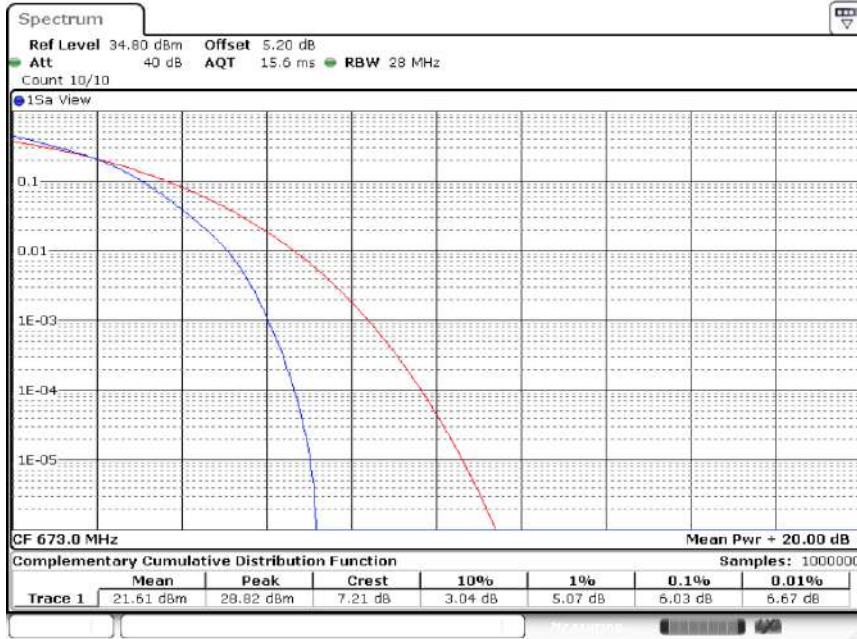


Date: 22 SEP 2020 19:03:28



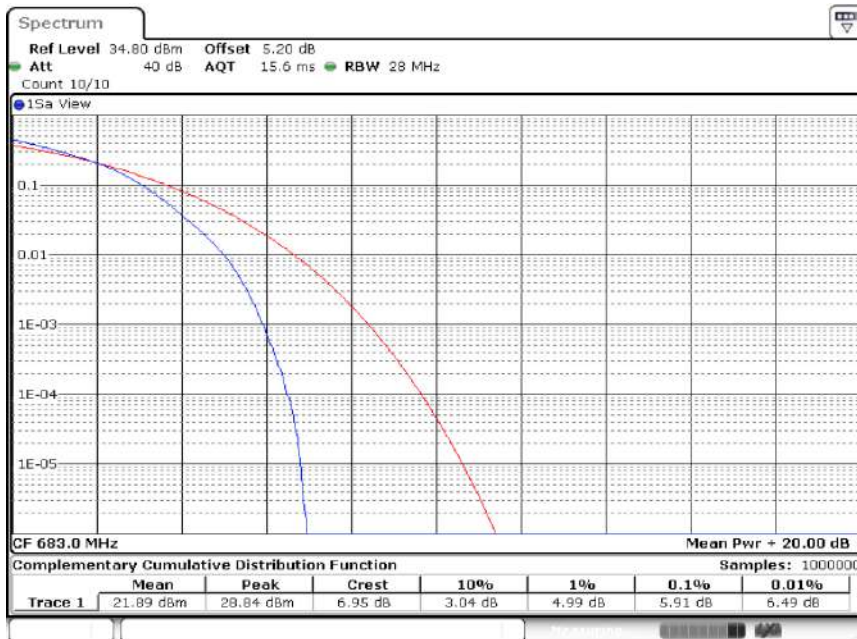
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**Band71-20MHz-16QAM-133222-100RB#0**



Date: 22 SEP 2020 19:02:45

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

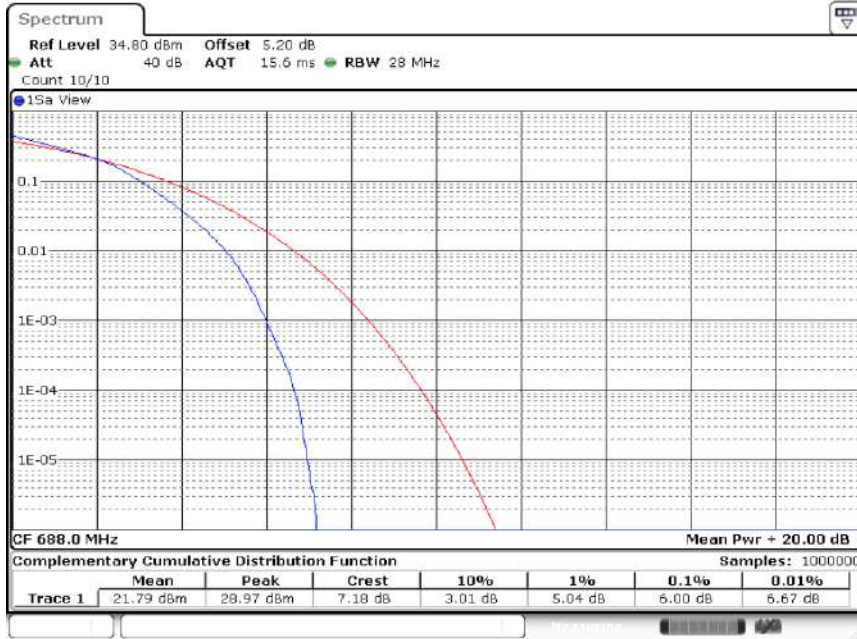


Date: 22 SEP 2020 19:03:14



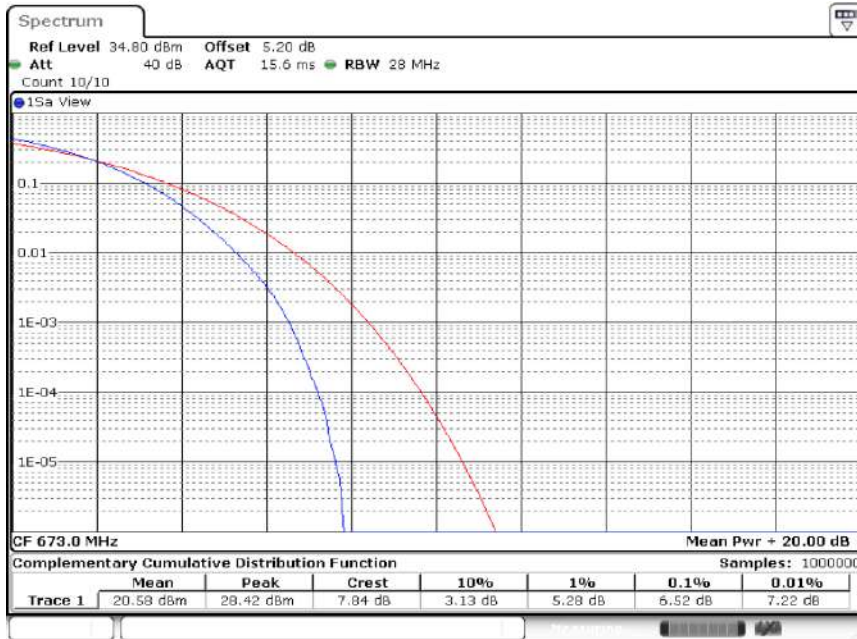
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**Band71-20MHz-16QAM-133372-100RB#0**



Date: 22 SEP 2020 19:03:42

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

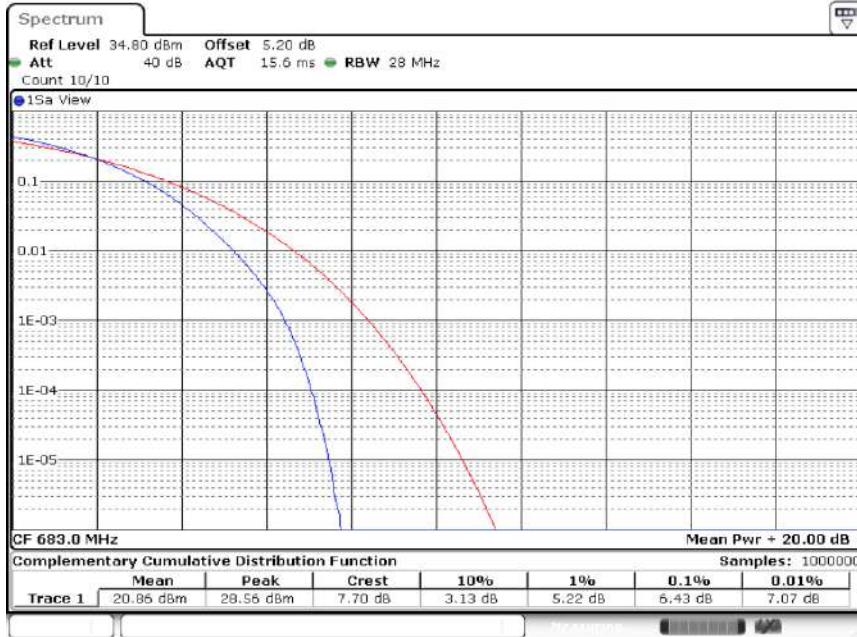


Date: 22 SEP 2020 20:19:34



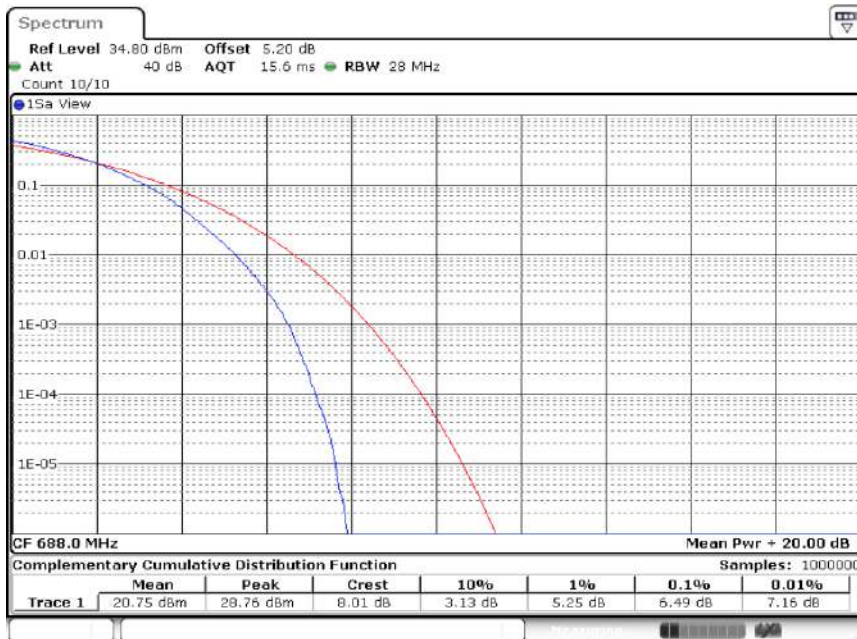
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**Band71-20MHz-64QAM-133322-100RB#0**



Date: 22 SEP 2020 20:19:49

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



Date: 22 SEP 2020 20:20:03

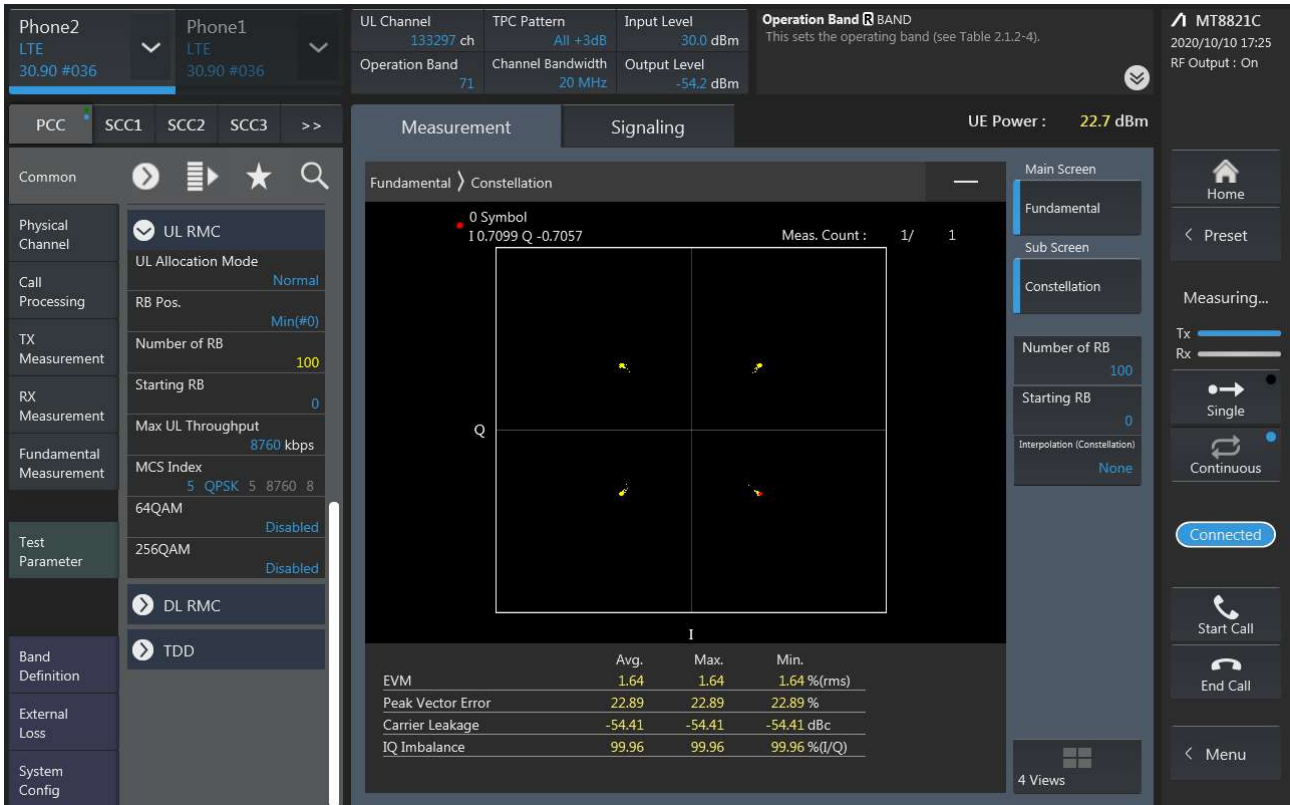


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### 3 Modulation Characteristics

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

##### 3.1.1 Test Channel = MCH



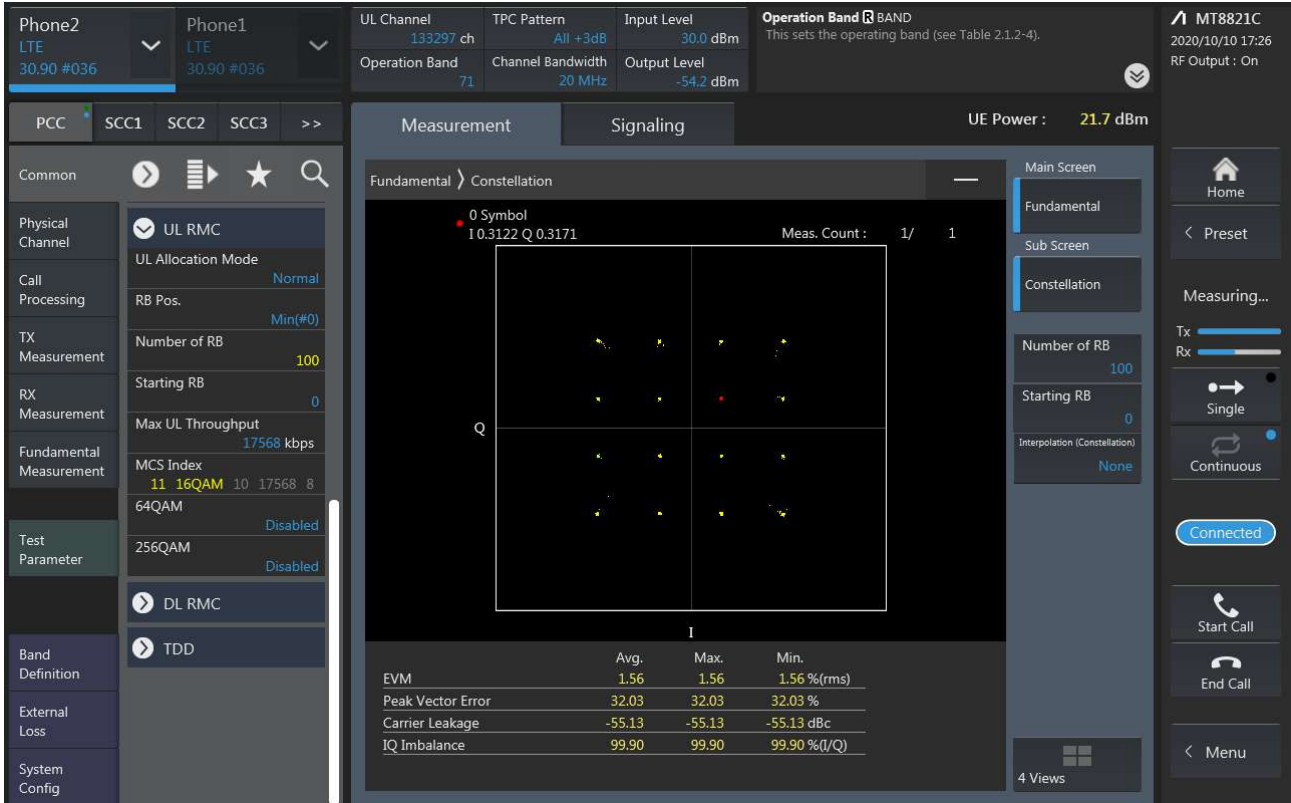
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## 3.2 Test Mode = LTE /TM2 20MHz

### 3.2.1 Test Channel = MCH

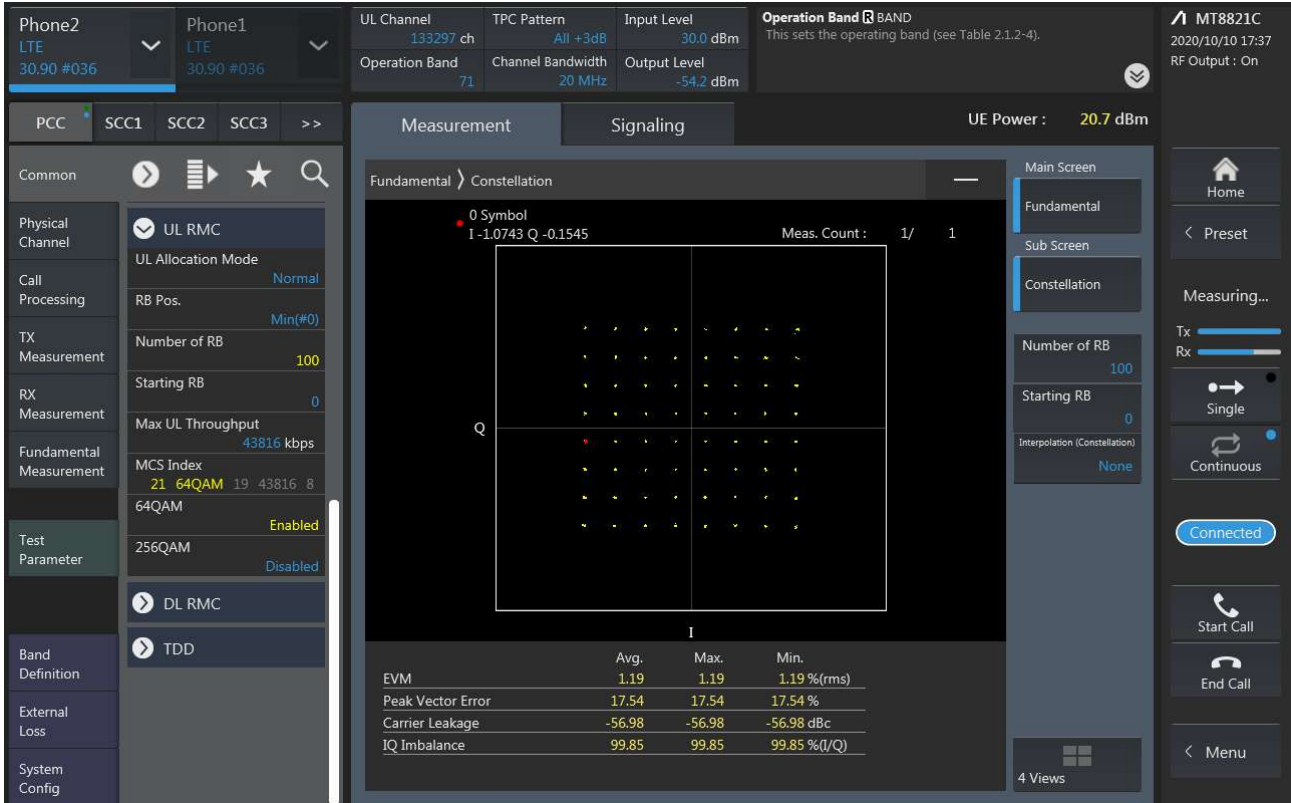


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### 3.3 Test Mode = LTE /TM3 20MHz

#### 3.3.1 Test Channel = MCH



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## 4 26dB Bandwidth and Occupied Bandwidth

### 4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.466	4.890	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.900	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.466	4.910	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.486	4.920	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.476	4.920	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.486	4.930	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.466	4.860	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.476	4.880	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.466	4.900	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.911	9.620	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.911	9.640	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.931	9.660	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.931	9.700	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.911	9.680	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.931	9.700	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.911	9.620	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.911	9.600	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.951	9.620	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.457	14.700	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.427	14.700	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.487	14.700	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.457	14.760	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.427	14.700	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.487	14.790	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.457	14.760	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.427	14.730	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.457	14.850	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.862	19.280	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.822	19.360	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.862	19.360	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.942	19.360	PASS

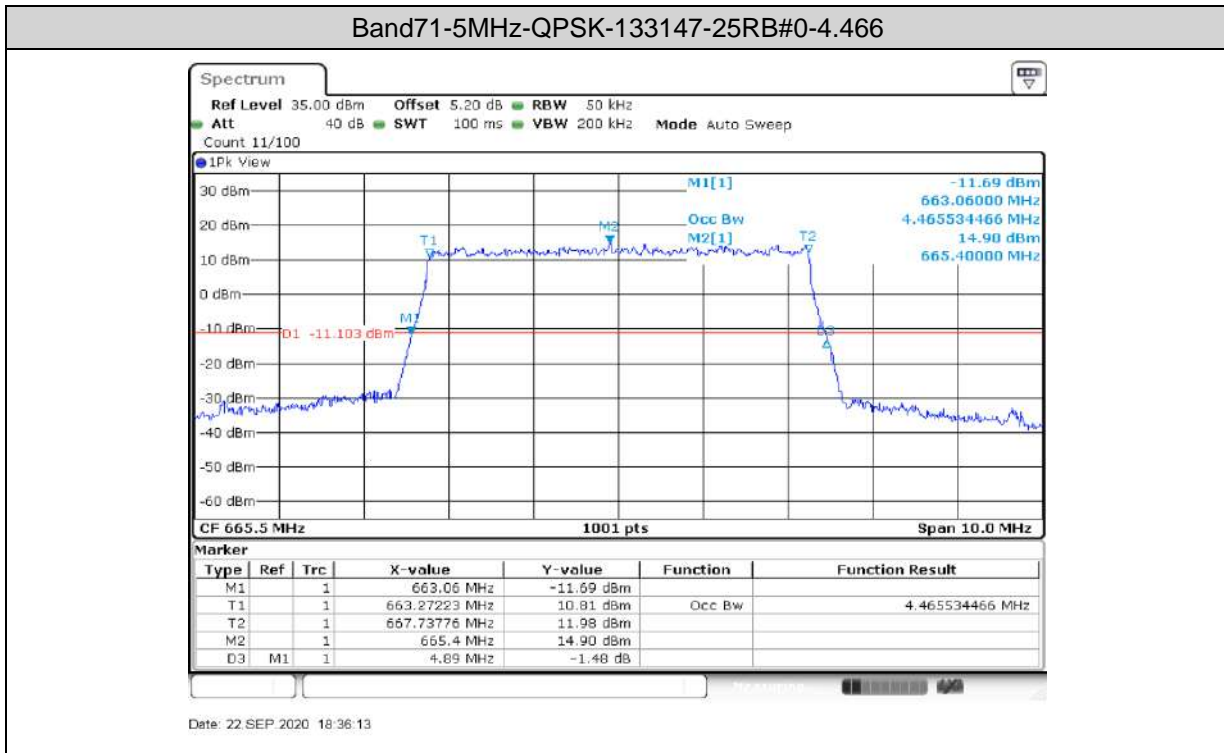


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Band71	20MHz	16QAM	133322	100RB#0	17.822	19.360	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.902	19.400	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.902	19.360	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.822	19.320	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.902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

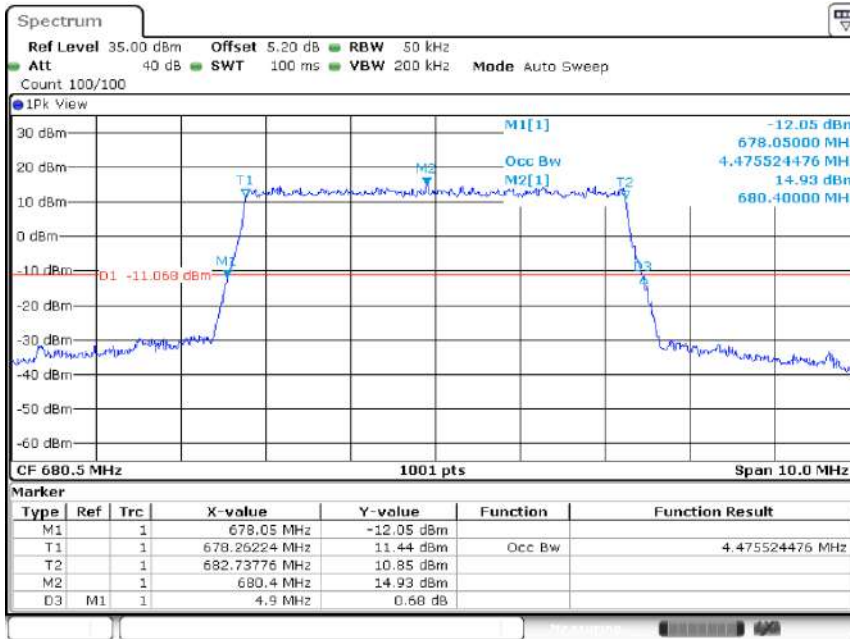
## 4.2 Test Plots



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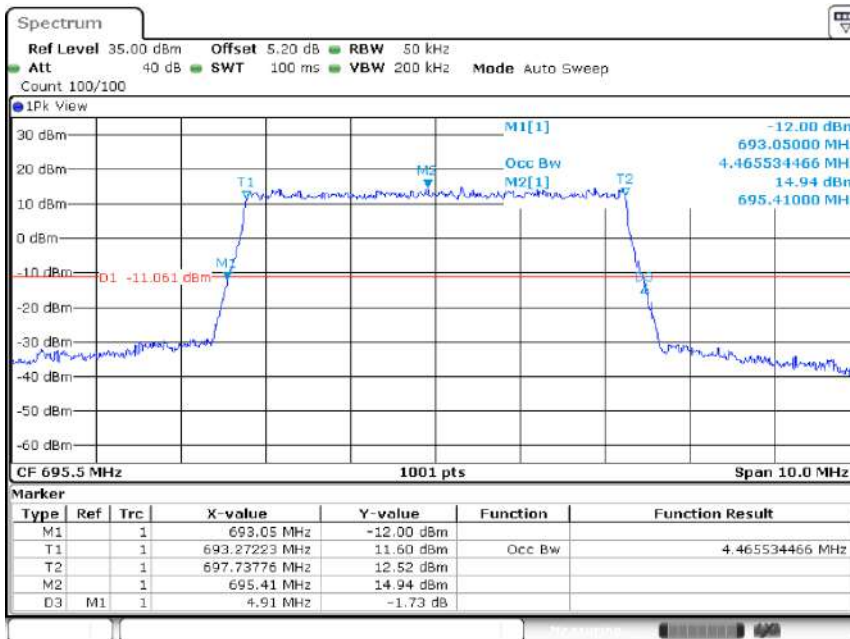
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**Band71-5MHz-QPSK-133297-25RB#0-4.476**



Date: 22 SEP 2020 18:36:59

**Band71-5MHz-QPSK-133447-25RB#0-4.466**

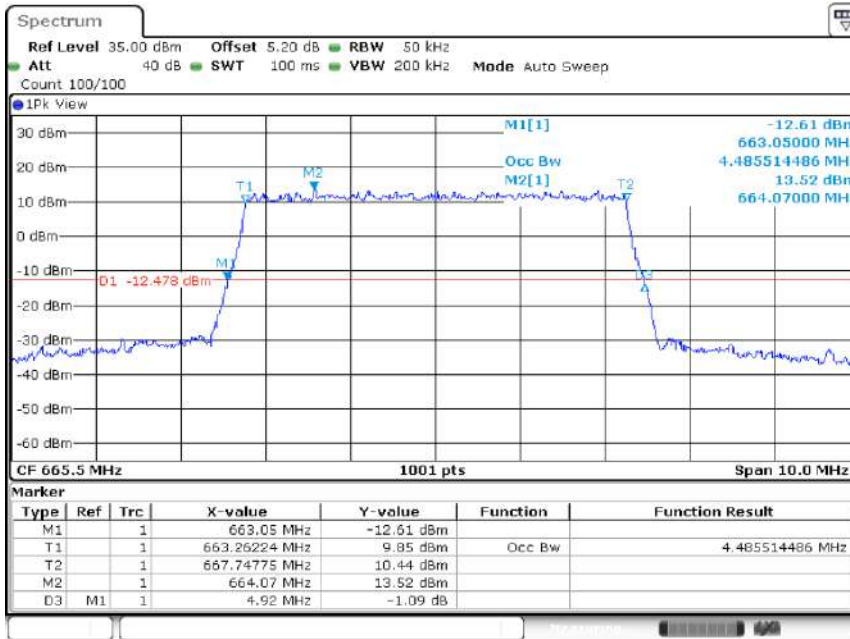


Date: 22 SEP 2020 18:37:46



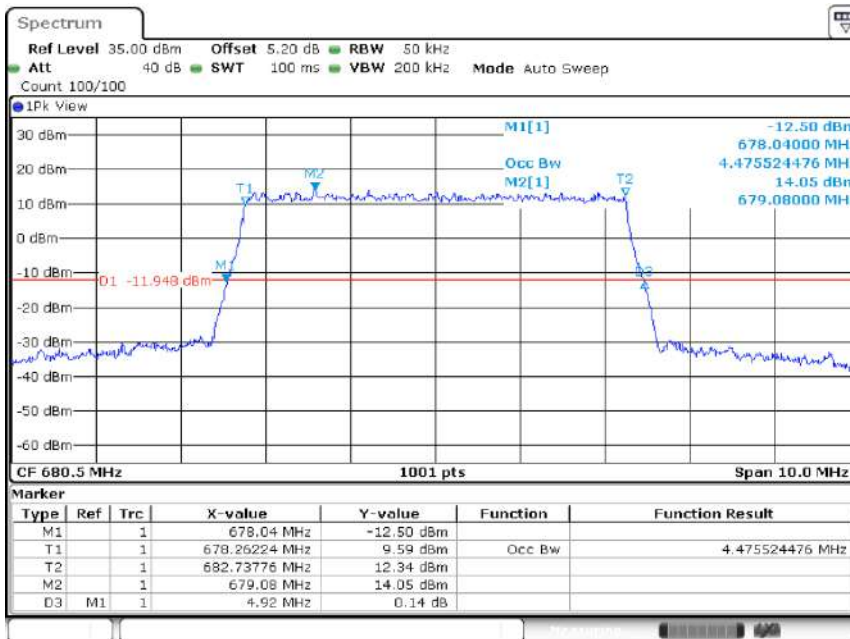
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**Band71-5MHz-16QAM-133147-25RB#0-4.486**



Date: 22 SEP 2020 18:36:36

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

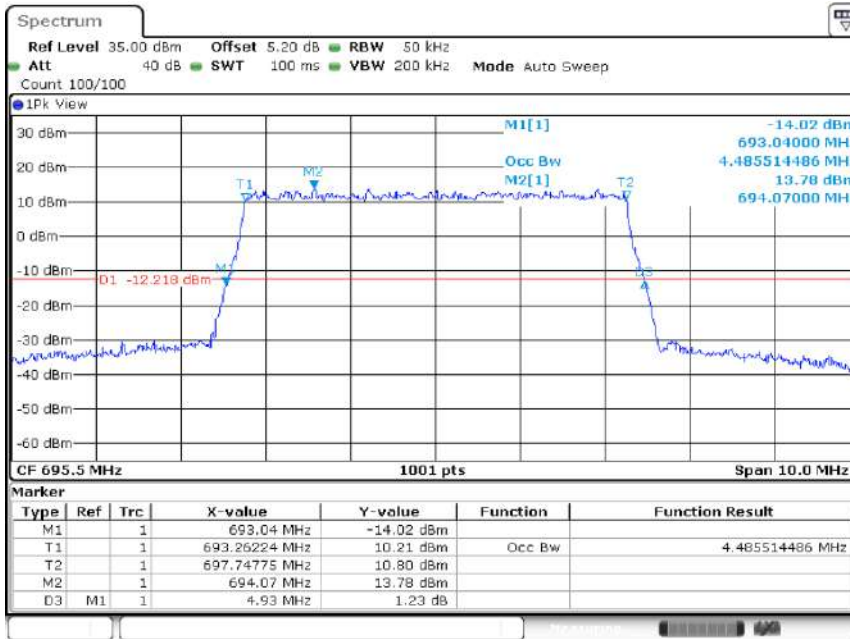


Date: 22 SEP 2020 18:37:22



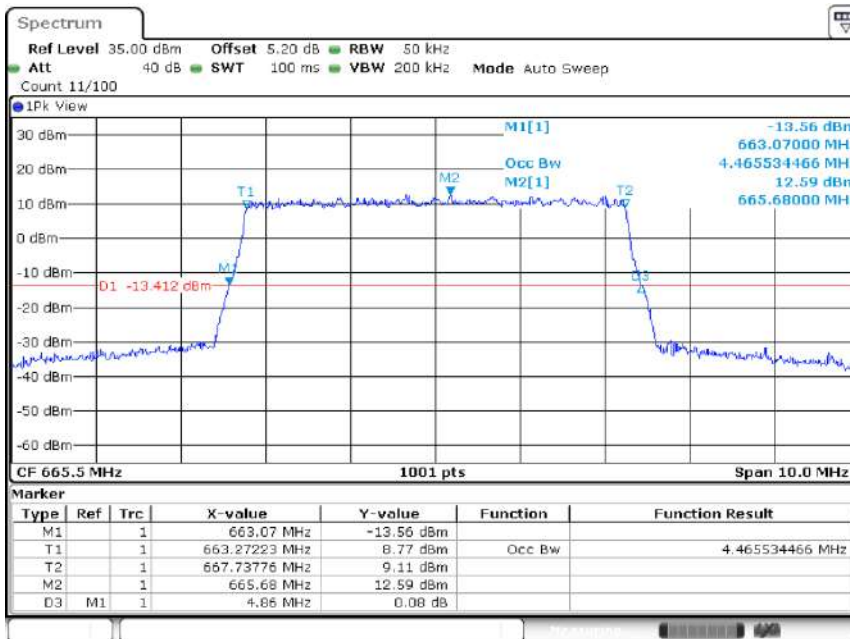
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**Band71-5MHz-16QAM-133447-25RB#0-4.486**



Date: 22 SEP 2020 18:38:09

**Band71-5MHz-64QAM-133147-25RB#0-4.466**



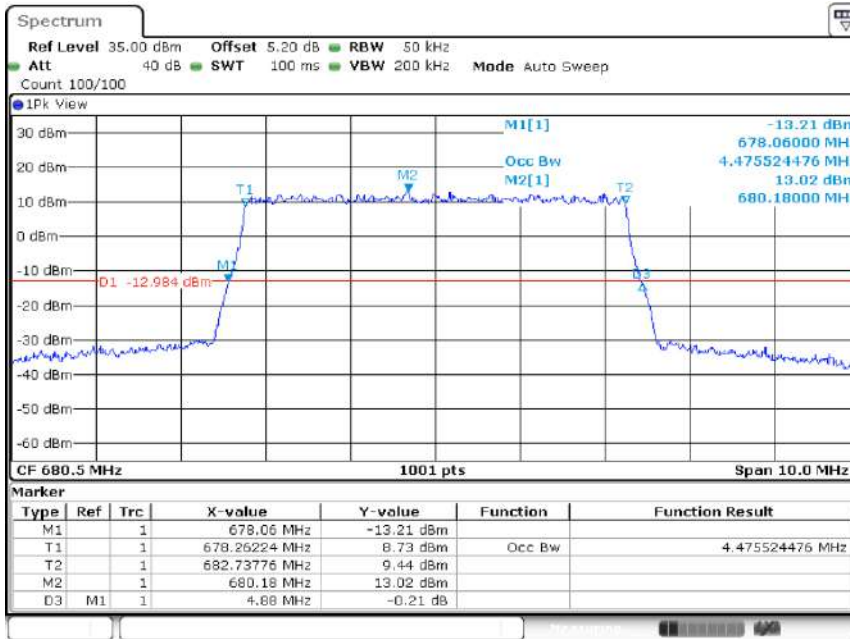
Date: 22 SEP 2020 20:05:42



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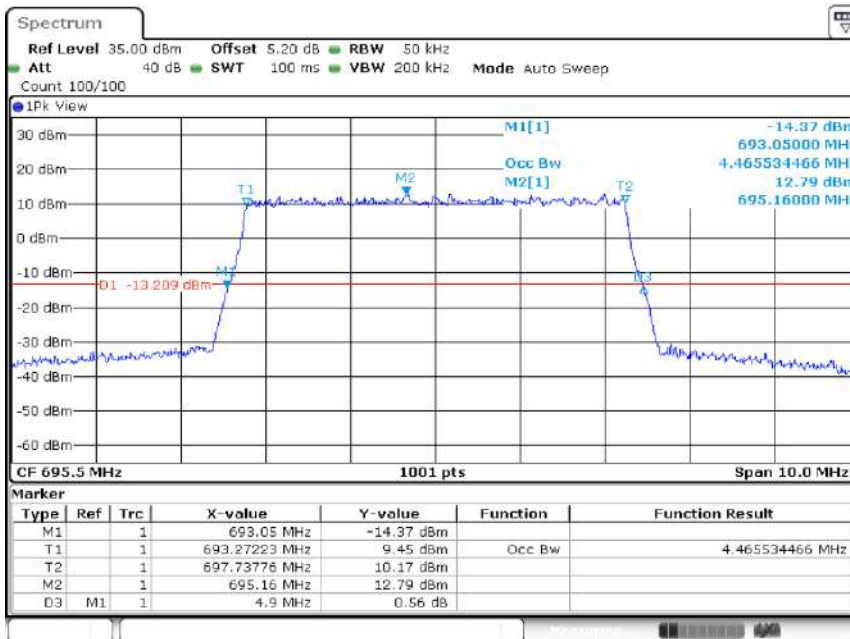
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**Band71-5MHz-64QAM-133297-25RB#0-4.476**



Date: 22 SEP 2020 20:06:05

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



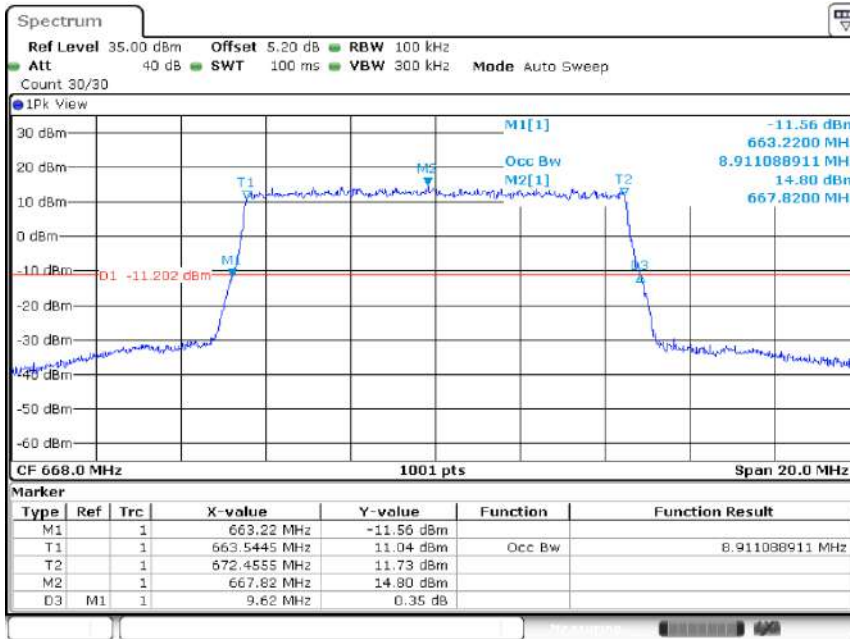
Date: 22 SEP 2020 20:06:28



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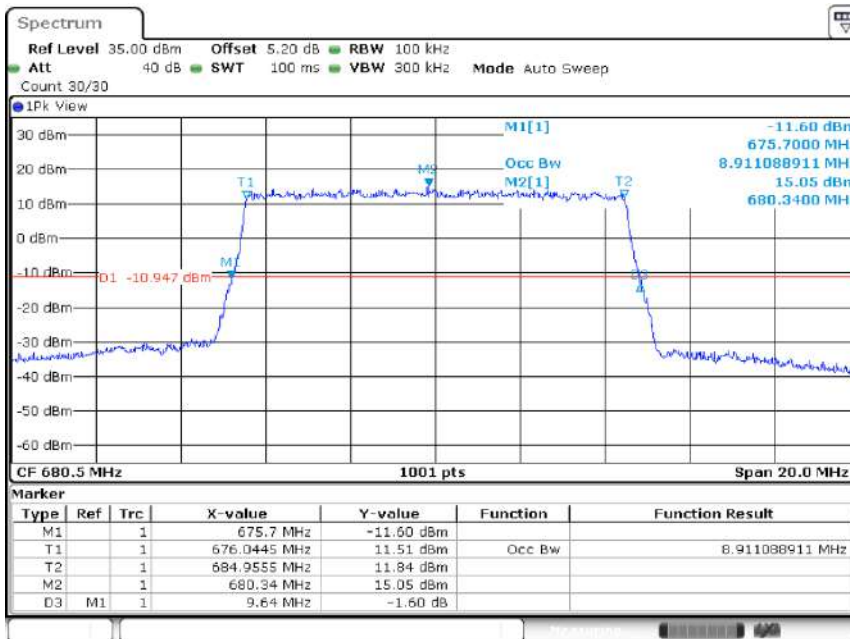


**Band71-10MHz-QPSK-133172-50RB#0-8.911**



Date: 22 SEP 2020 18:38:32

**Band71-10MHz-QPSK-133297-50RB#0-8.911**

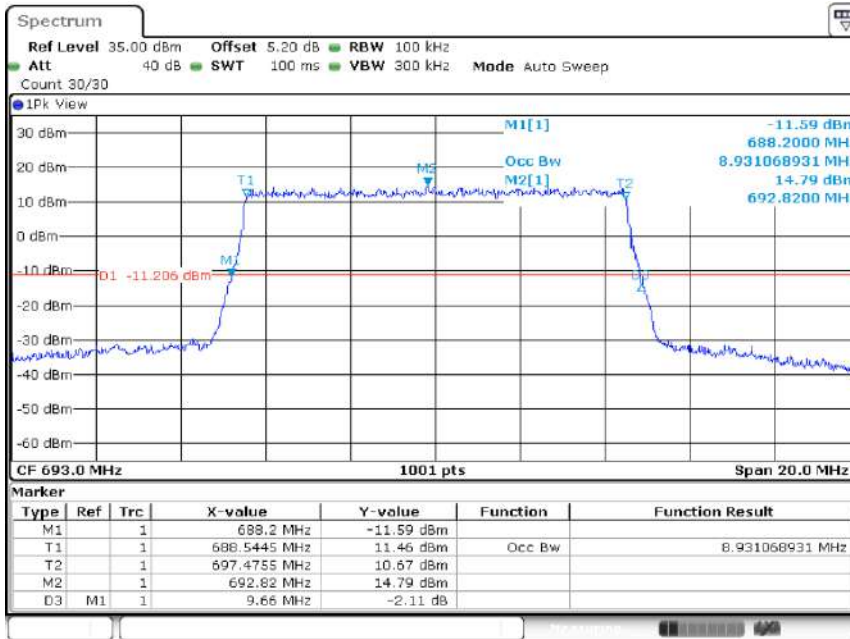


Date: 22 SEP 2020 18:39:04



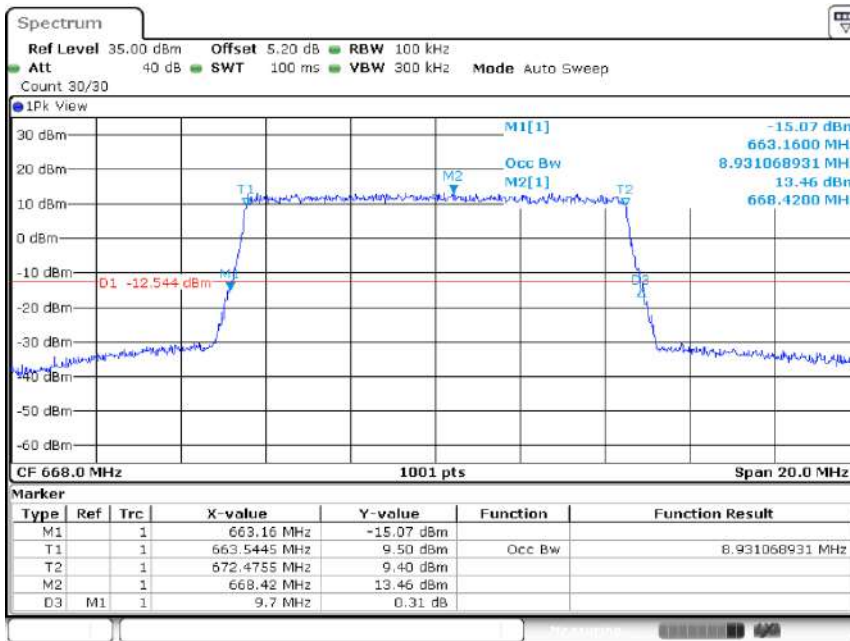
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**Band71-10MHz-QPSK-133422-50RB#0-8.931**



Date: 22 SEP 2020 18:39:35

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

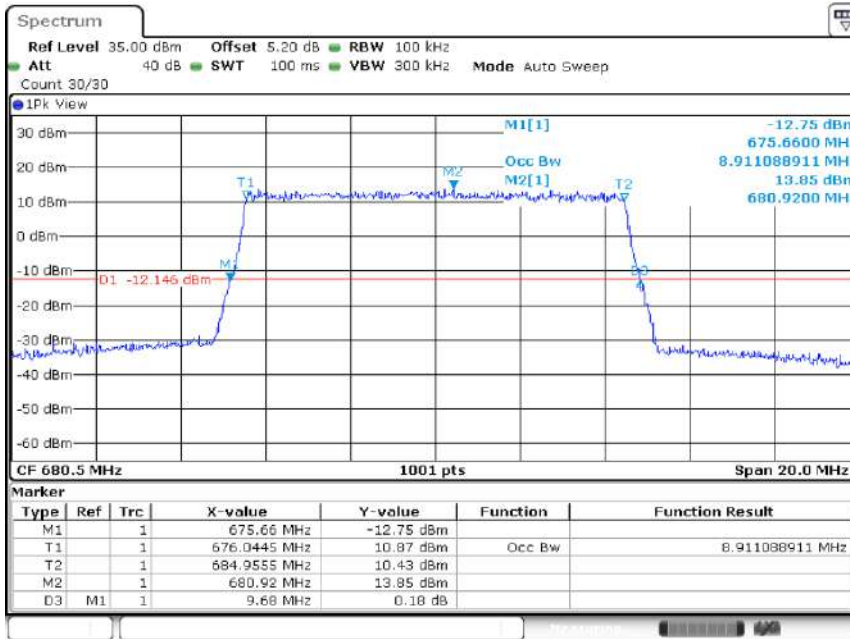


Date: 22 SEP 2020 18:38:48



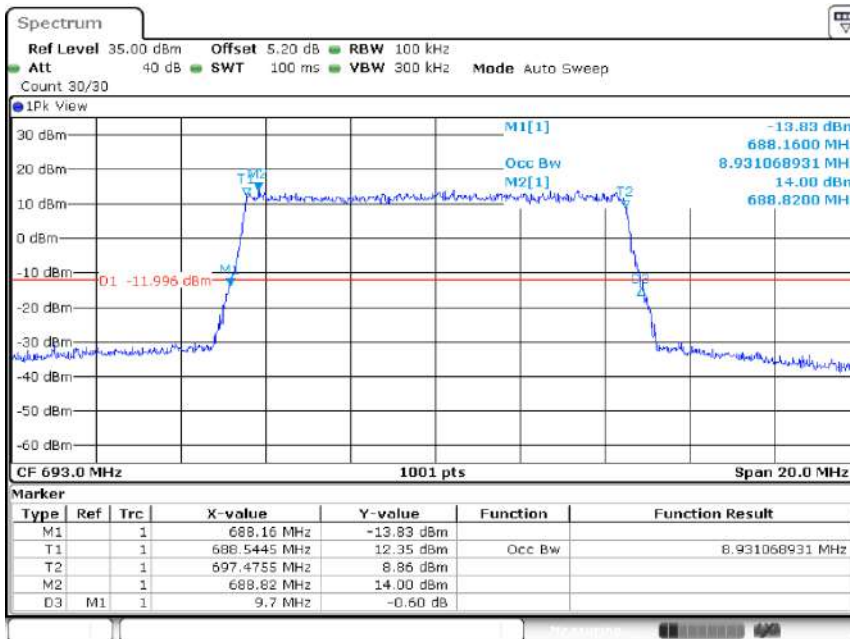
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**Band71-10MHz-16QAM-133297-50RB#0-8.911**



Date: 22 SEP 2020 18:39:19

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

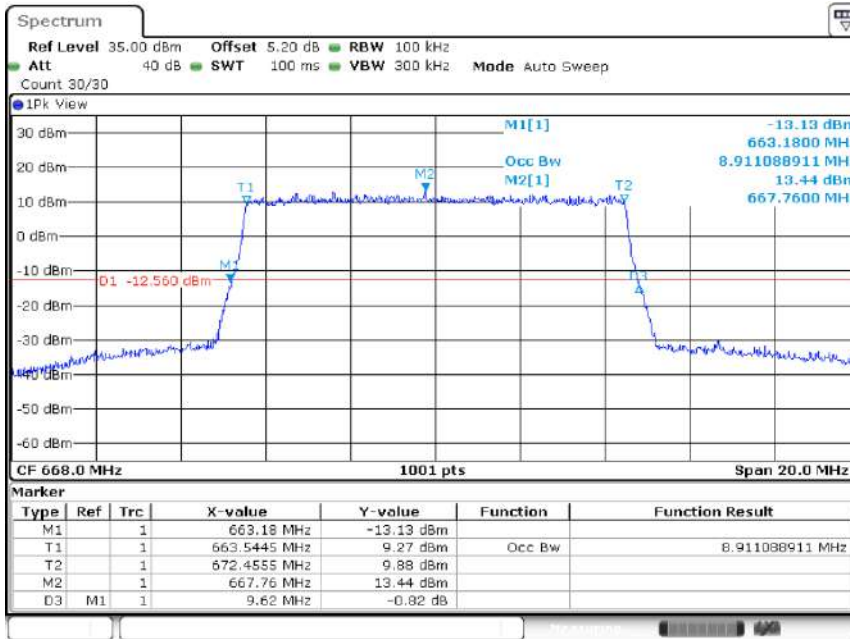


Date: 22 SEP 2020 18:39:51



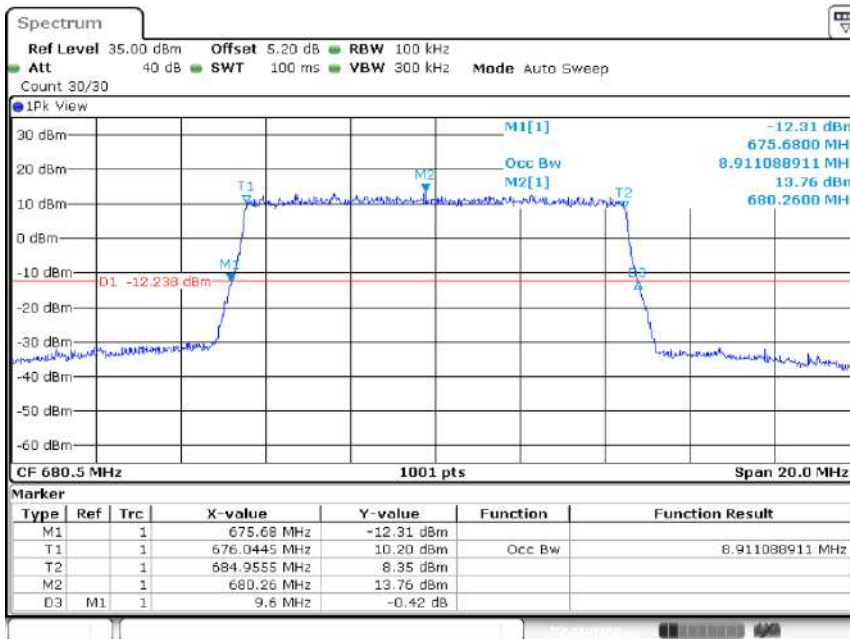
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**Band71-10MHz-64QAM-133172-50RB#0-8.911**



Date: 22 SEP 2020 20:06:49

**Band71-10MHz-64QAM-133297-50RB#0-8.911**

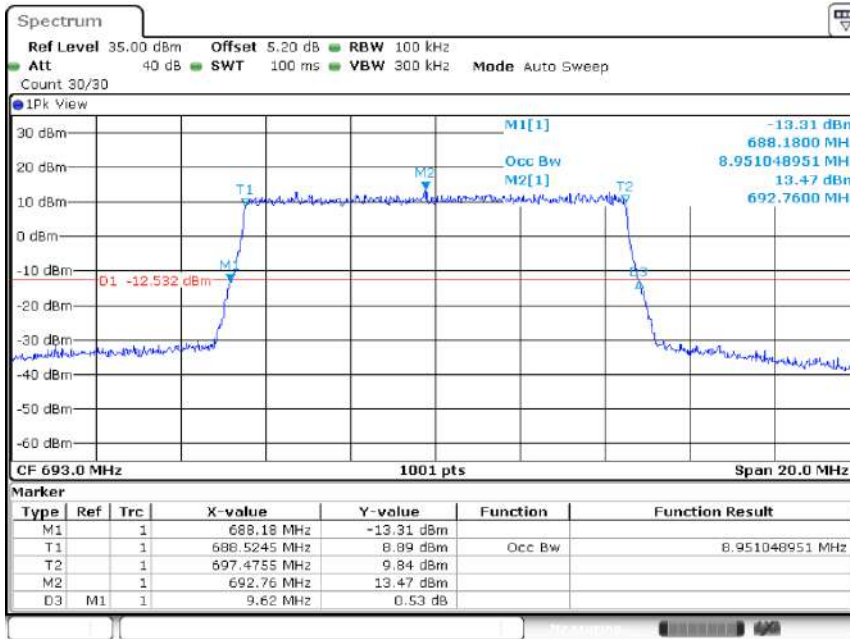


Date: 22 SEP 2020 20:07:05



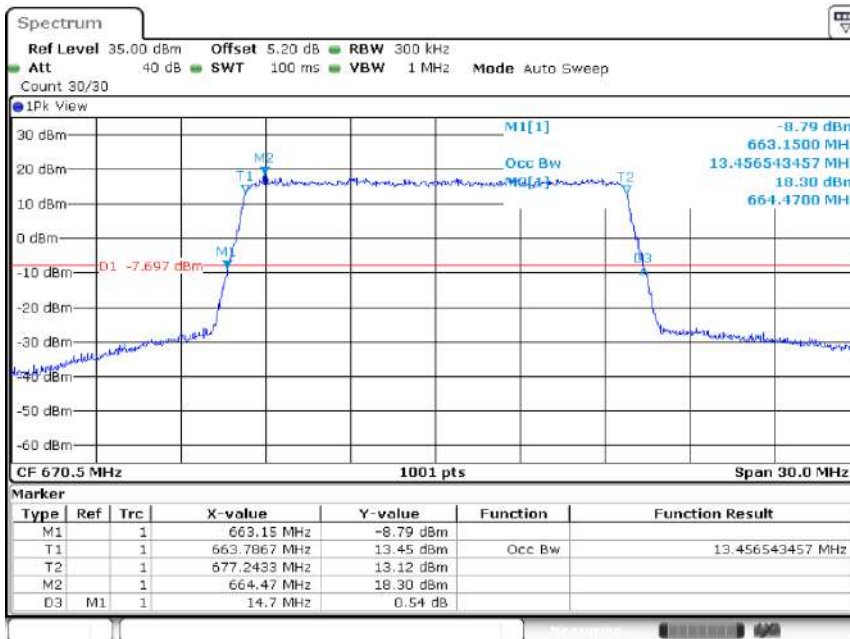
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**Band71-10MHz-64QAM-133422-50RB#0-8.951**



Date: 22 SEP 2020 20:07:20

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

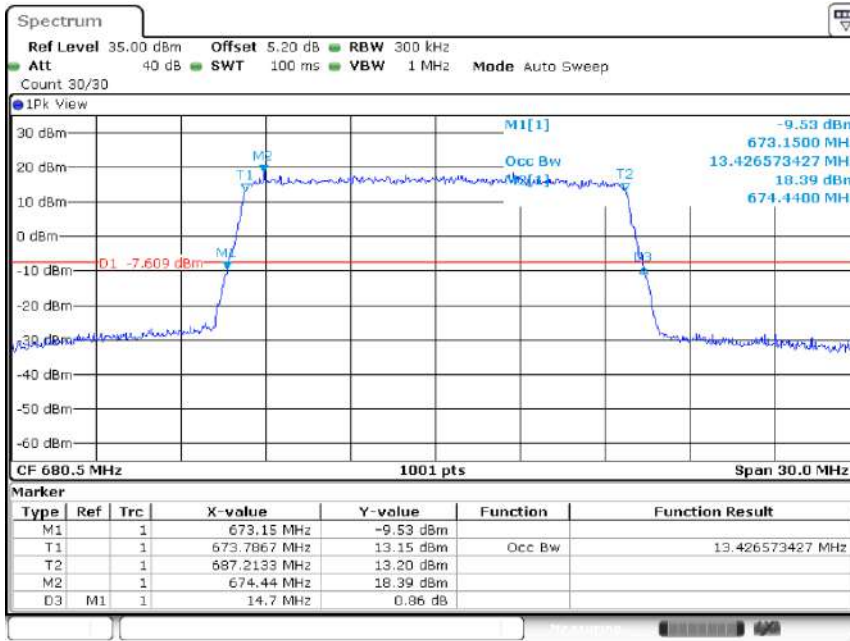


Date: 22 SEP 2020 18:40:11



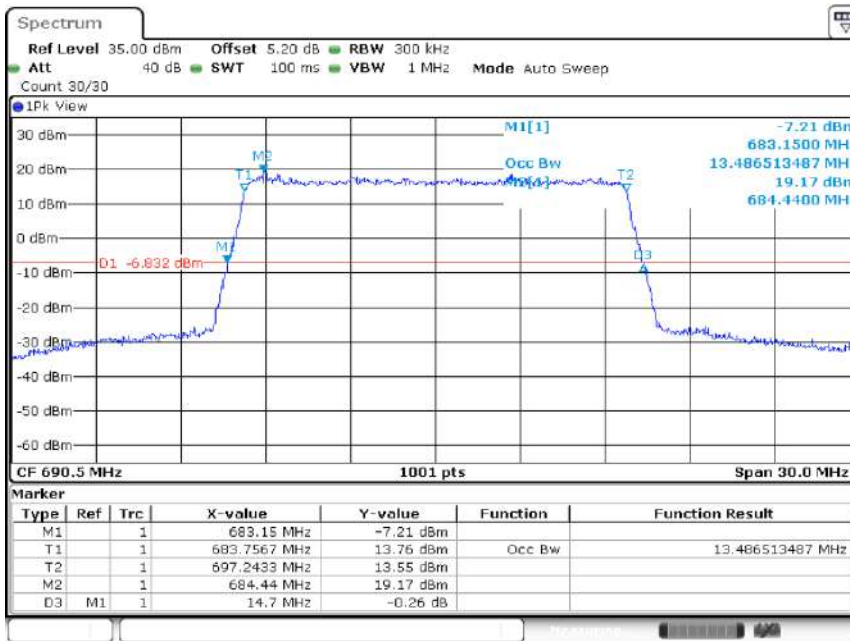
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**Band71-15MHz-QPSK-133297-75RB#0-13.427**



Date: 22 SEP 2020 18:40:43

**Band71-15MHz-QPSK-133397-75RB#0-13.487**

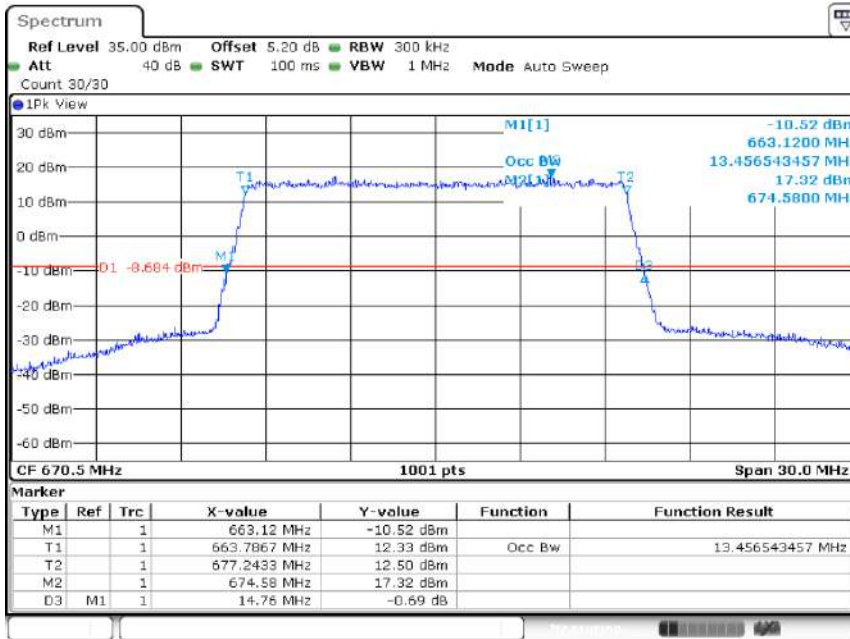


Date: 22 SEP 2020 18:41:15



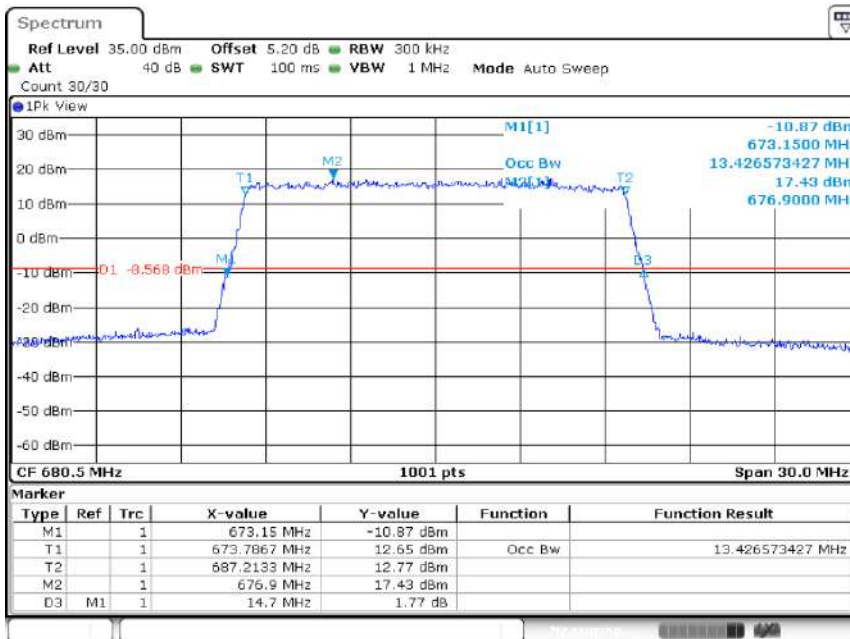
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**Band71-15MHz-16QAM-133197-75RB#0-13.457**



Date: 22 SEP 2020 18:40:27

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

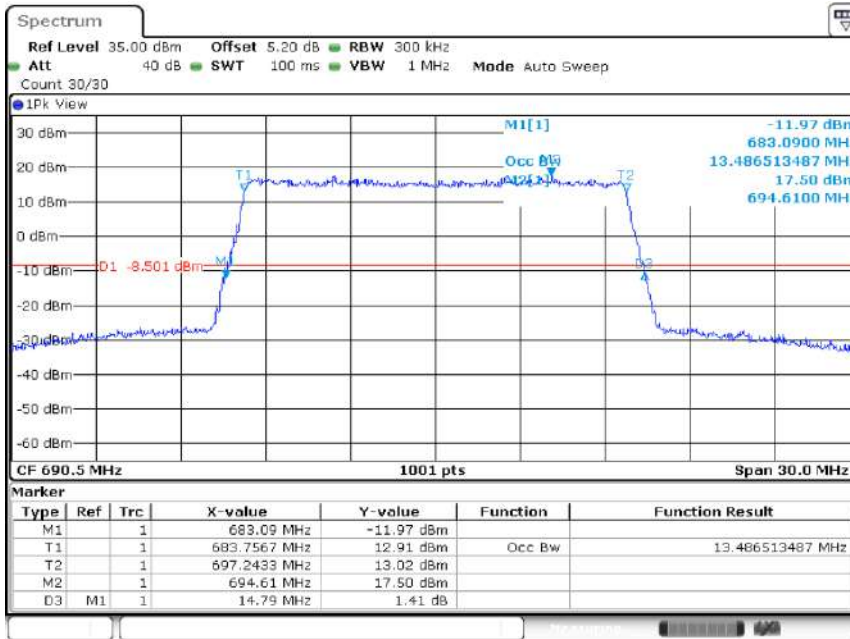


Date: 22 SEP 2020 18:40:59

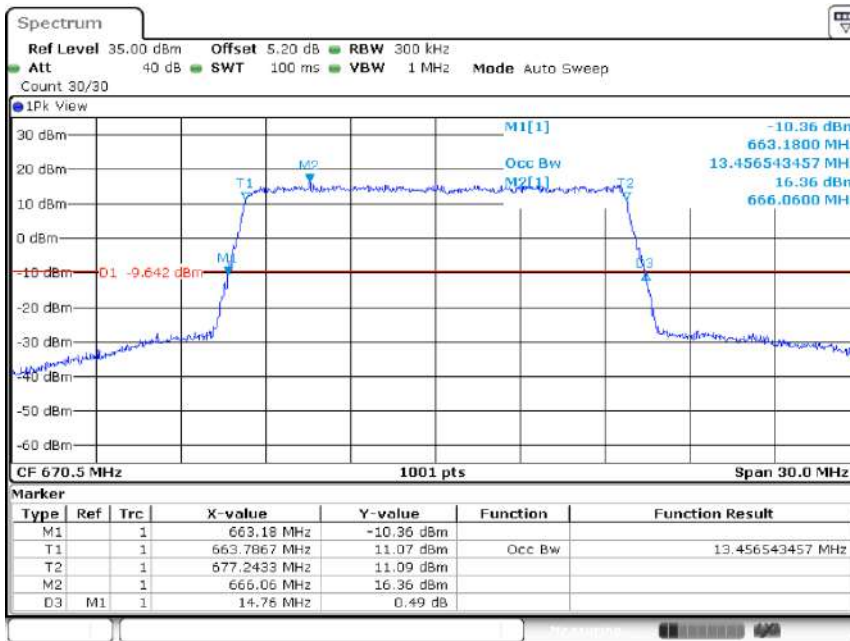


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**Band71-15MHz-16QAM-133397-75RB#0-13.487**



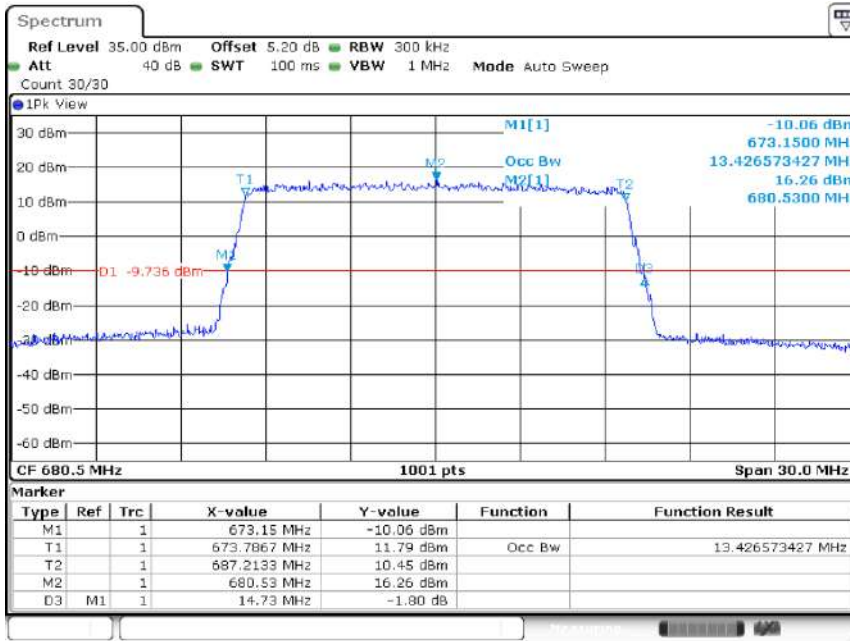
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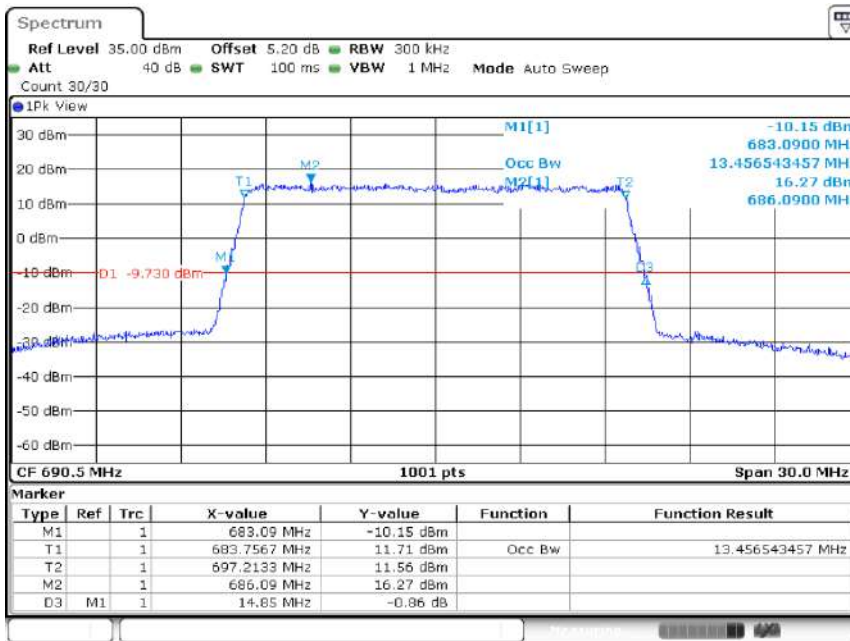


**Band71-15MHz-64QAM-133297-75RB#0-13.427**



Date: 22 SEP 2020 20:07:57

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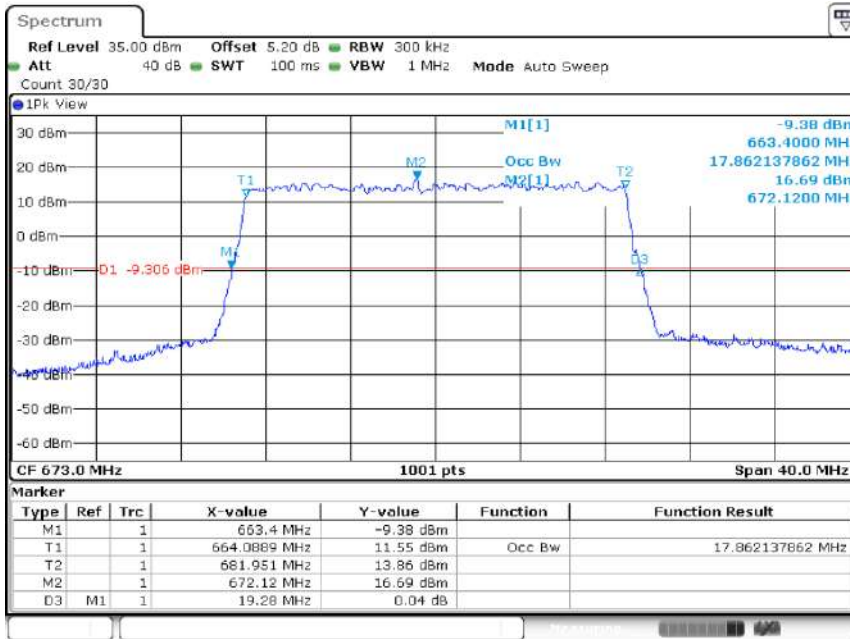


Date: 22 SEP 2020 20:08:13



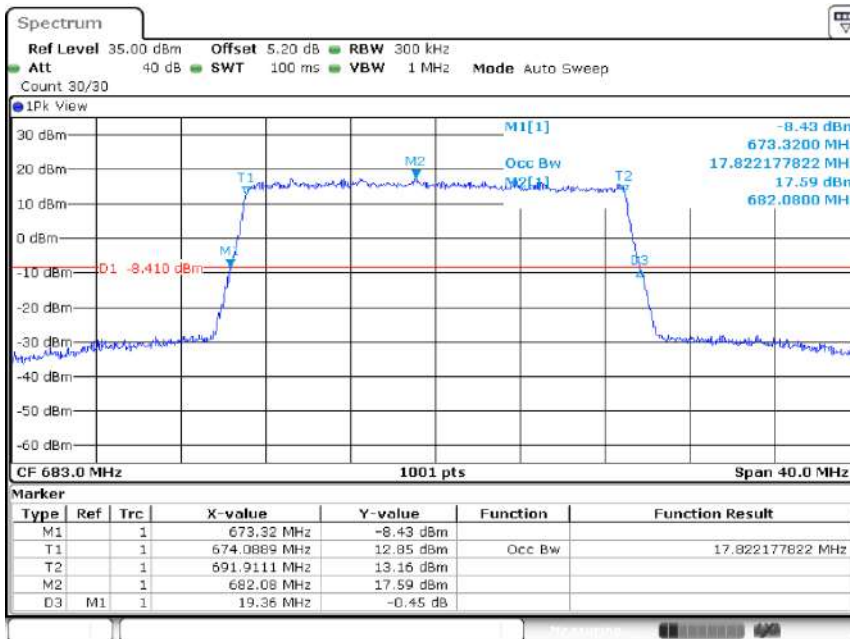
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**Band71-20MHz-QPSK-133222-100RB#0-17.862**



Date: 22 SEP 2020 18:41:51

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

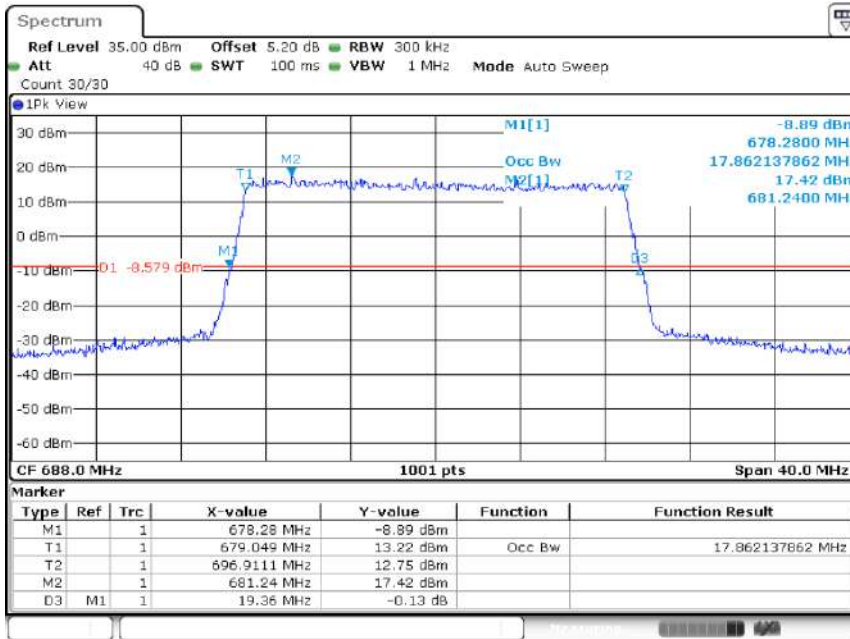


Date: 22 SEP 2020 18:42:23



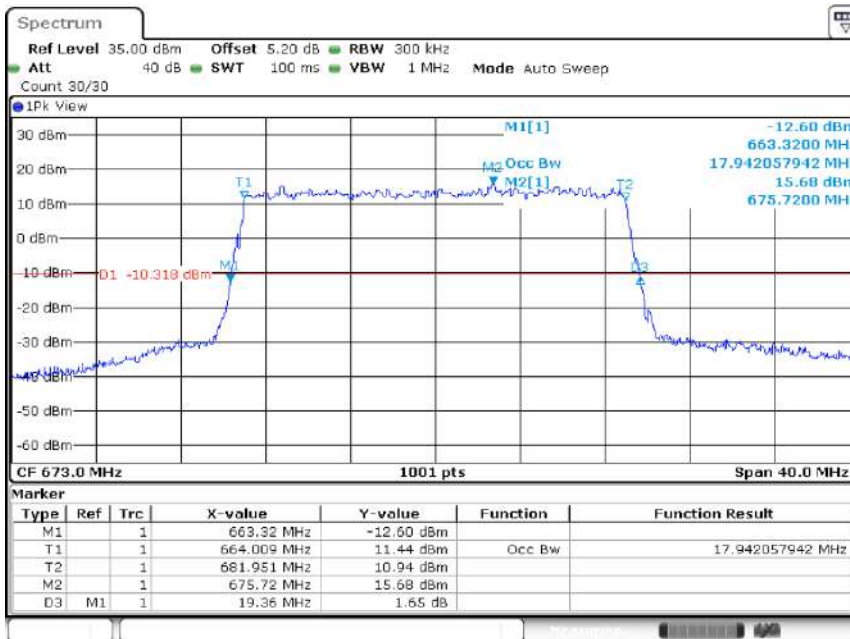
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**Band71-20MHz-QPSK-133372-100RB#0-17.862**



Date: 22 SEP 2020 18:42:54

**Band71-20MHz-16QAM-133222-100RB#0-17.942**



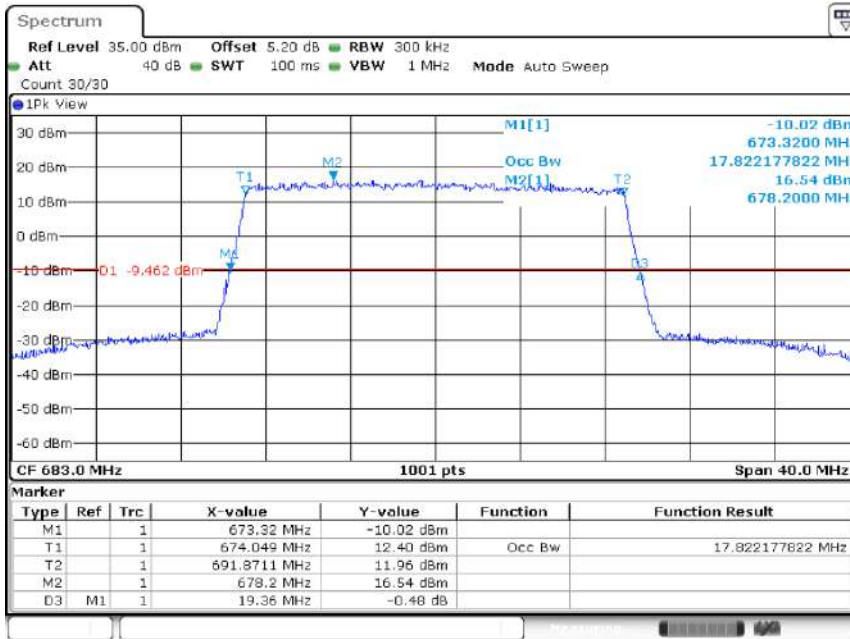
Date: 22 SEP 2020 18:42:07



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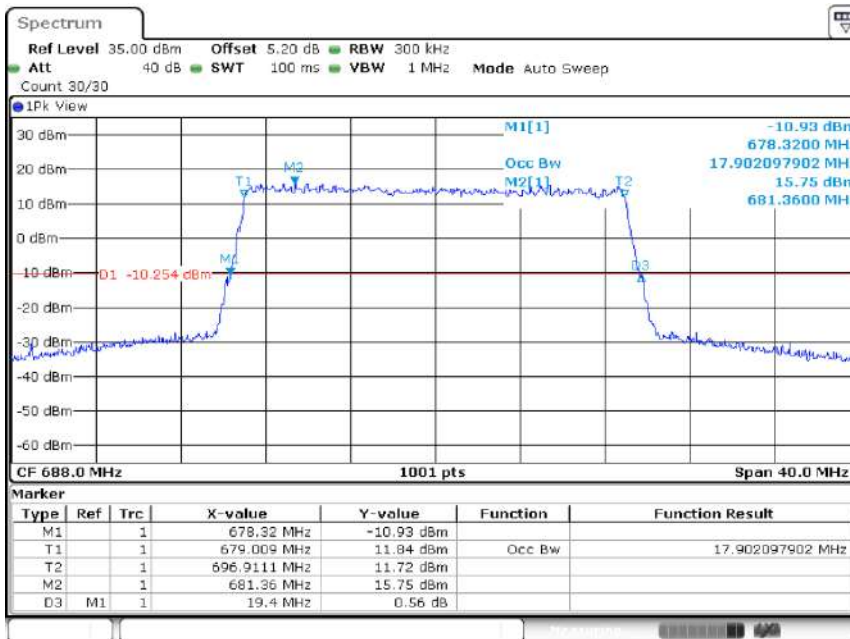
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**Band71-20MHz-16QAM-133322-100RB#0-17.822**



Date: 22 SEP 2020 18:42:38

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



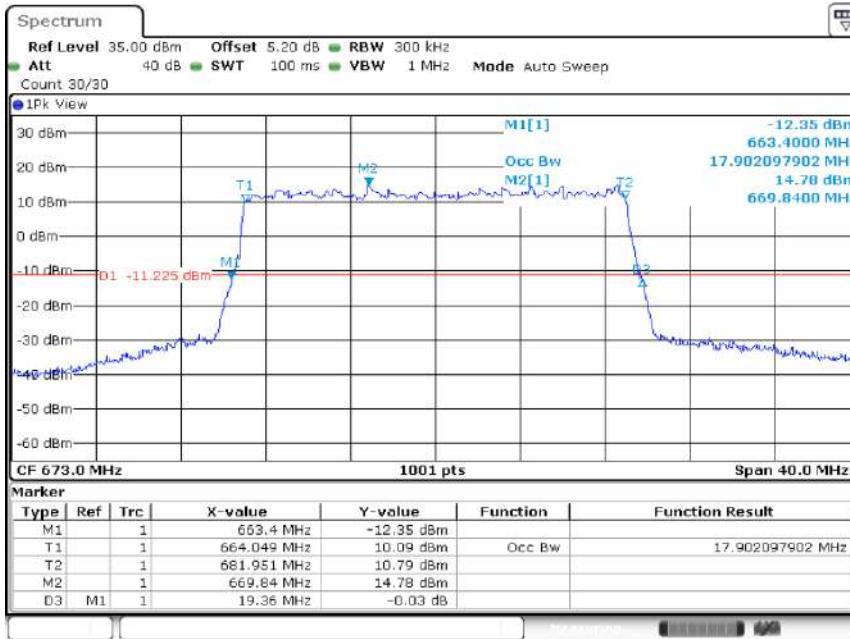
Date: 22 SEP 2020 18:43:10



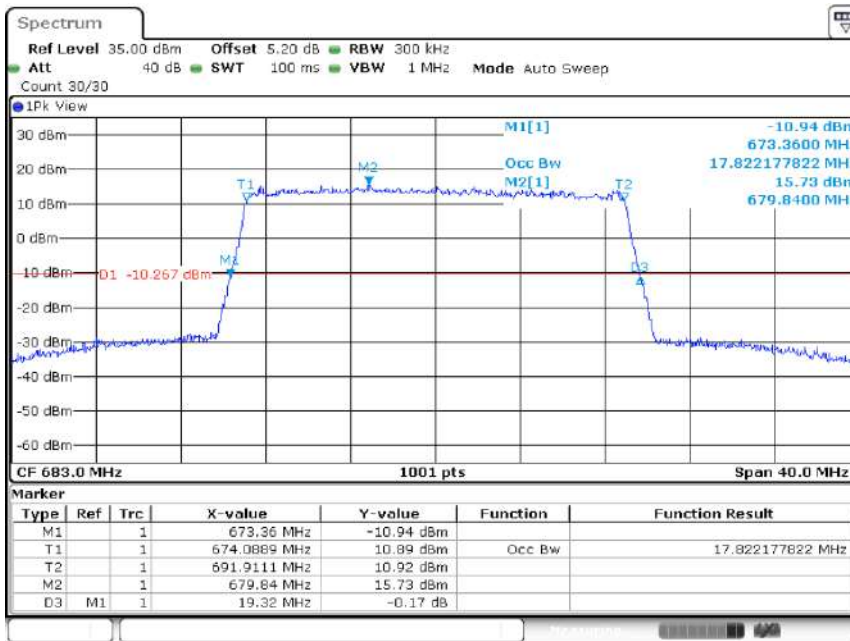
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**Band71-20MHz-64QAM-133222-100RB#0-17.902**



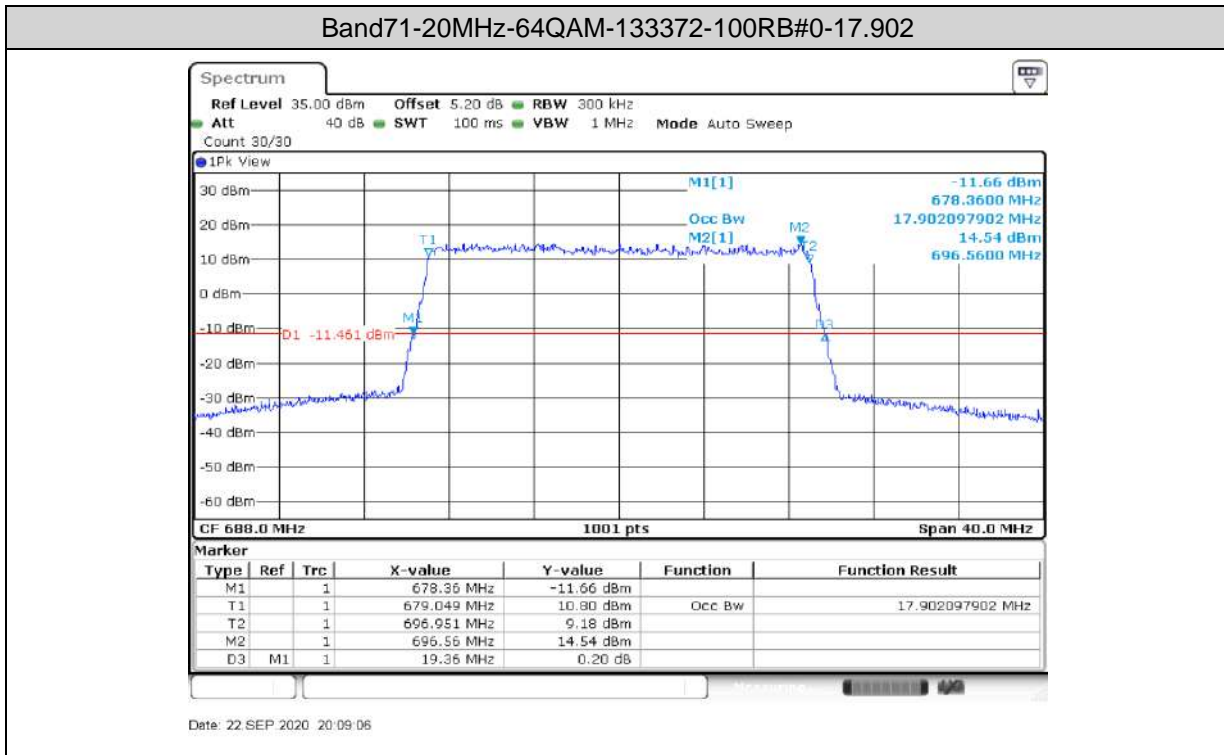
**Band71-20MHz-64QAM-133322-100RB#0-17.822**



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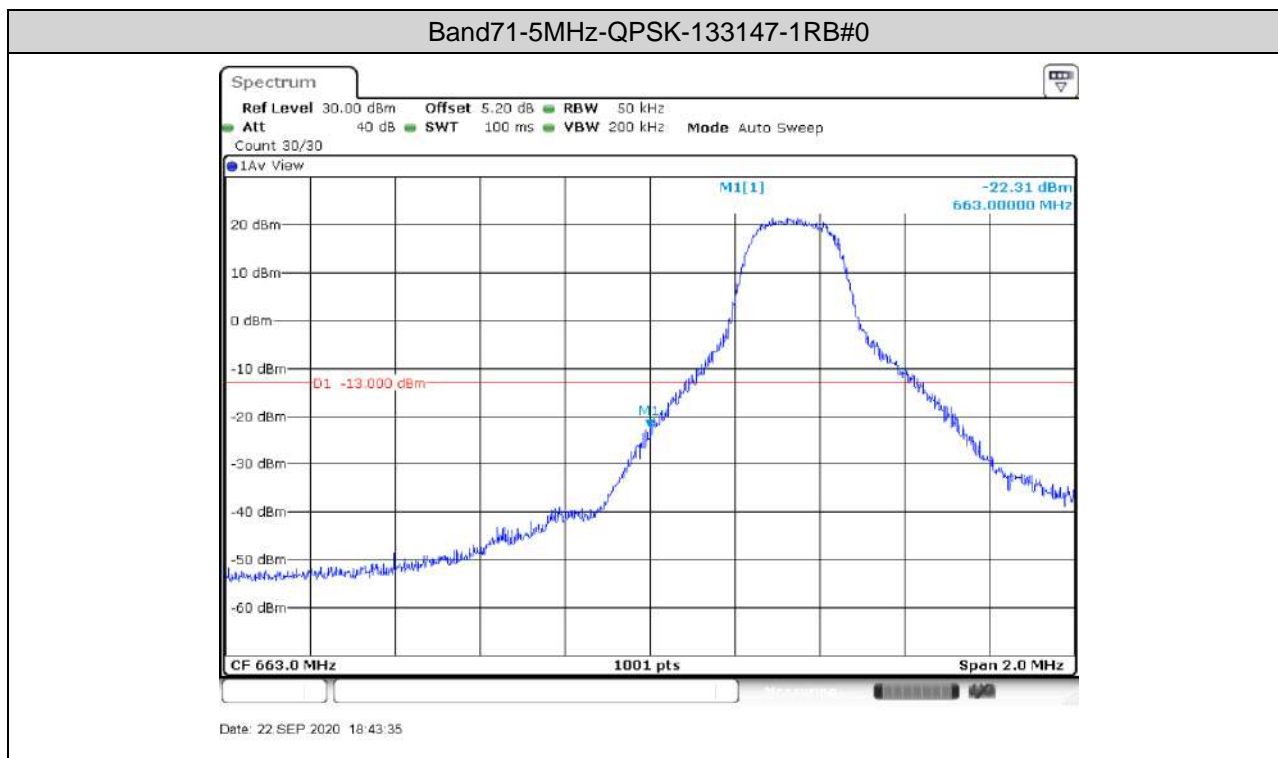


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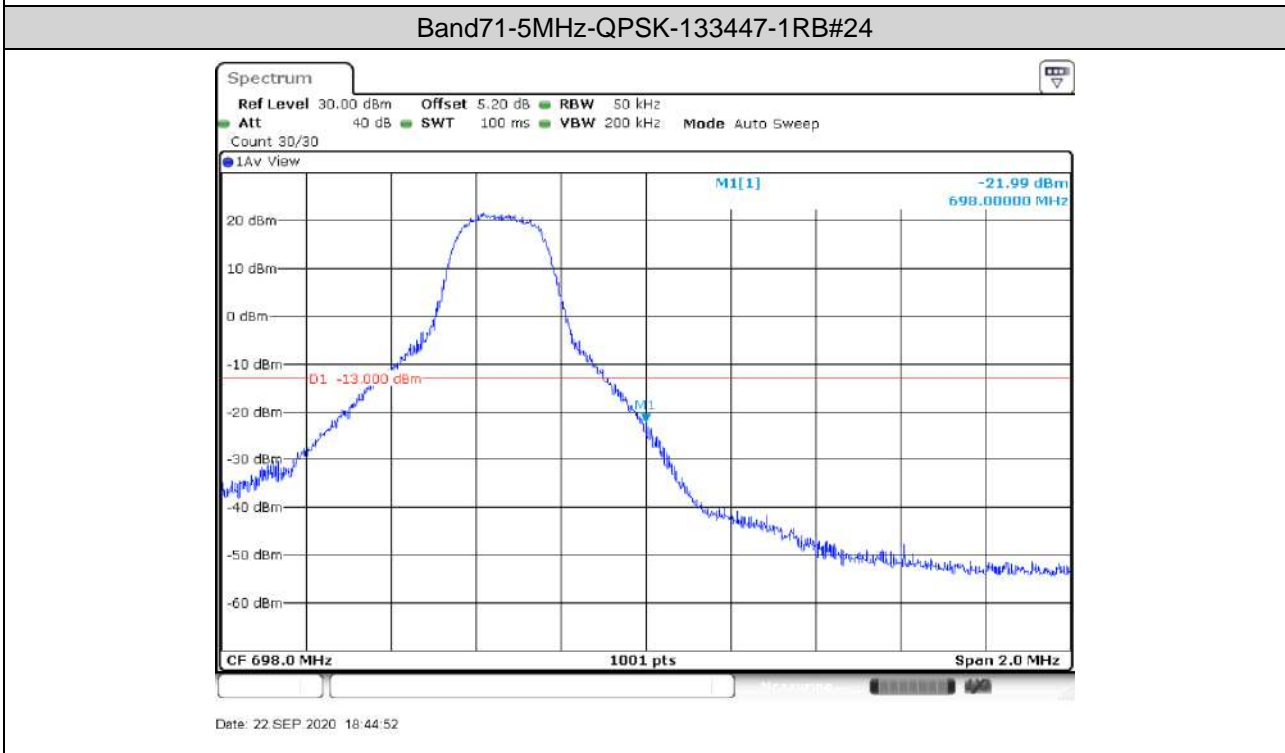
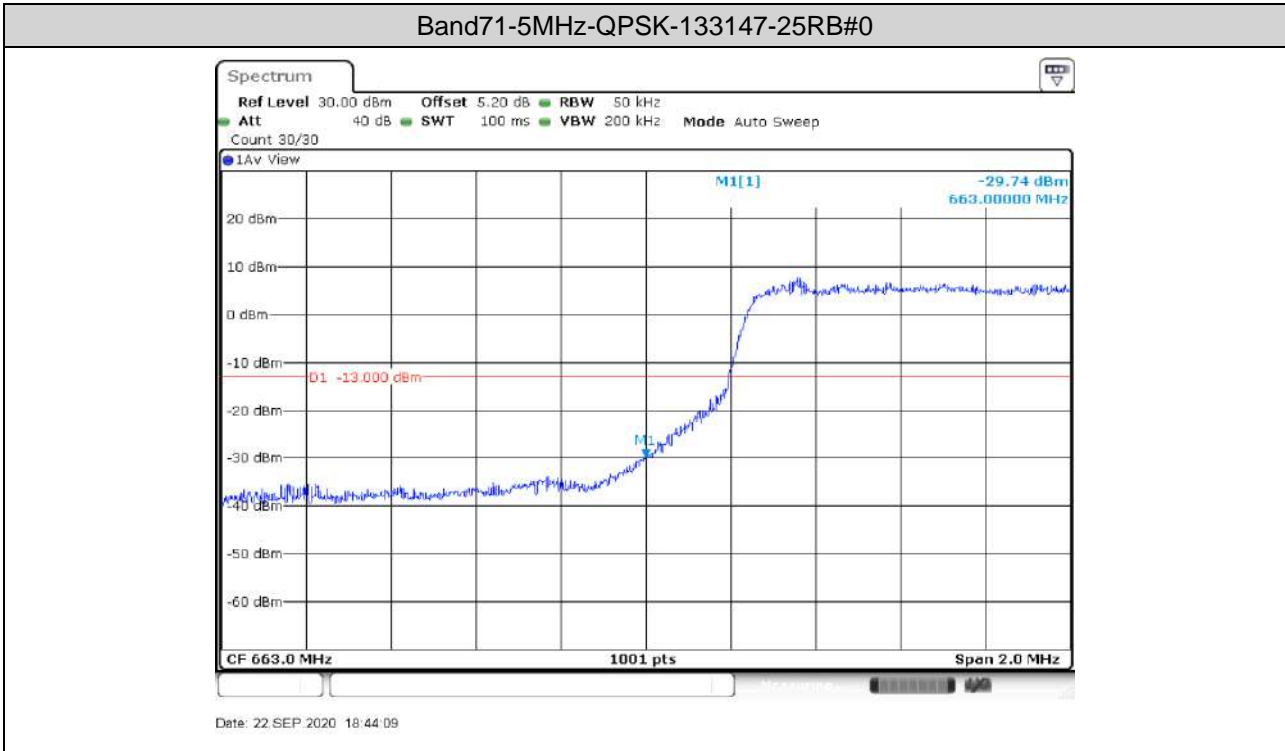
## 5 Band Edge Compliance

### 5.1 Test Plots



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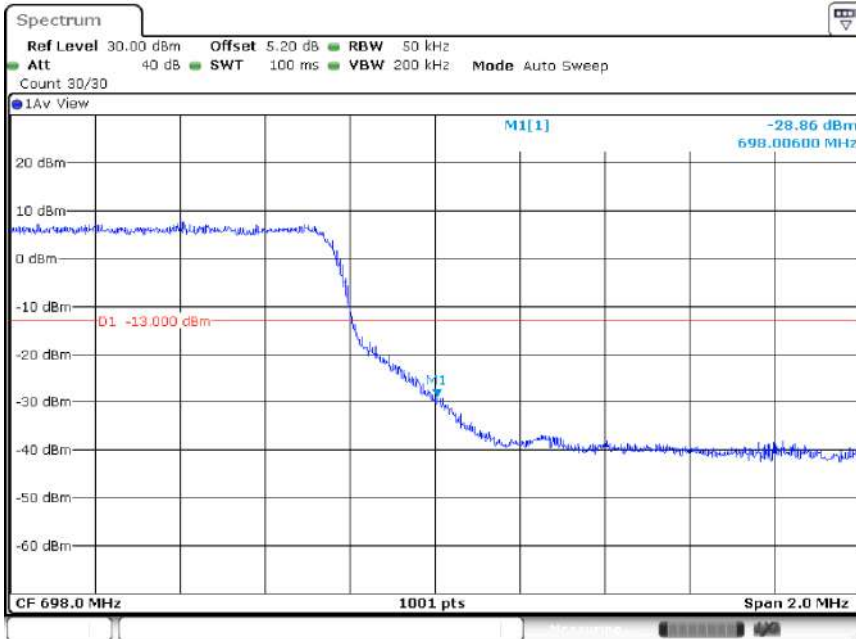


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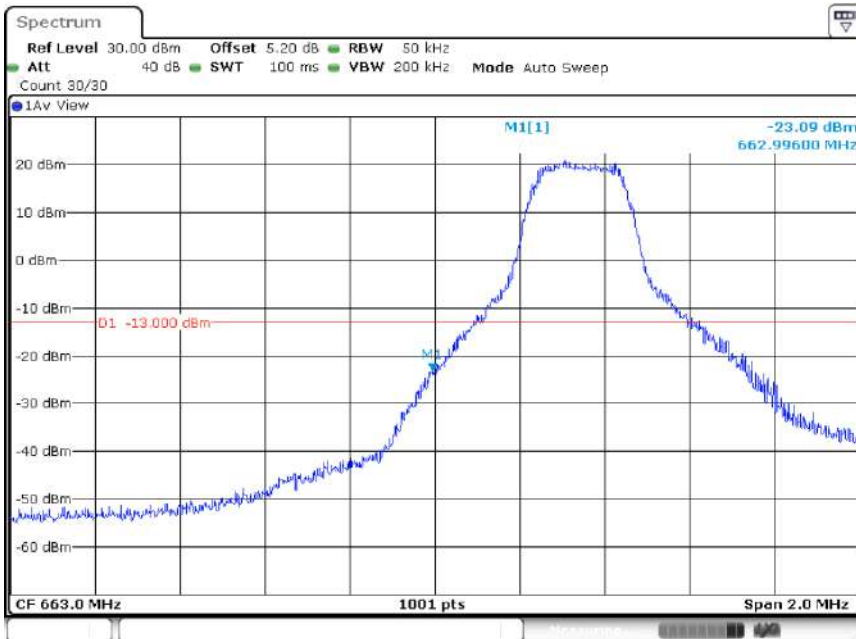


**Band71-5MHz-QPSK-133447-25RB#0**



Date: 22 SEP 2020 18:45:24

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

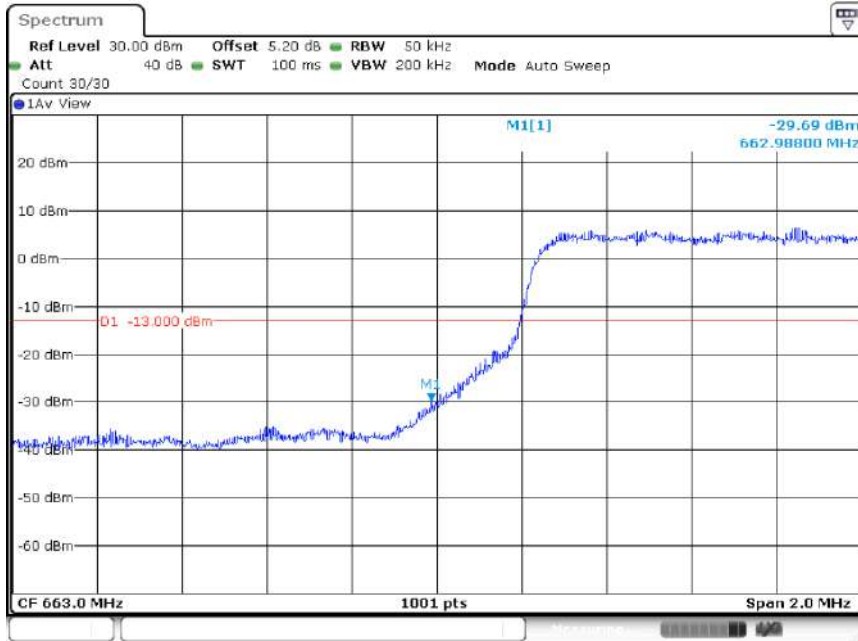


Date: 22 SEP 2020 18:43:51



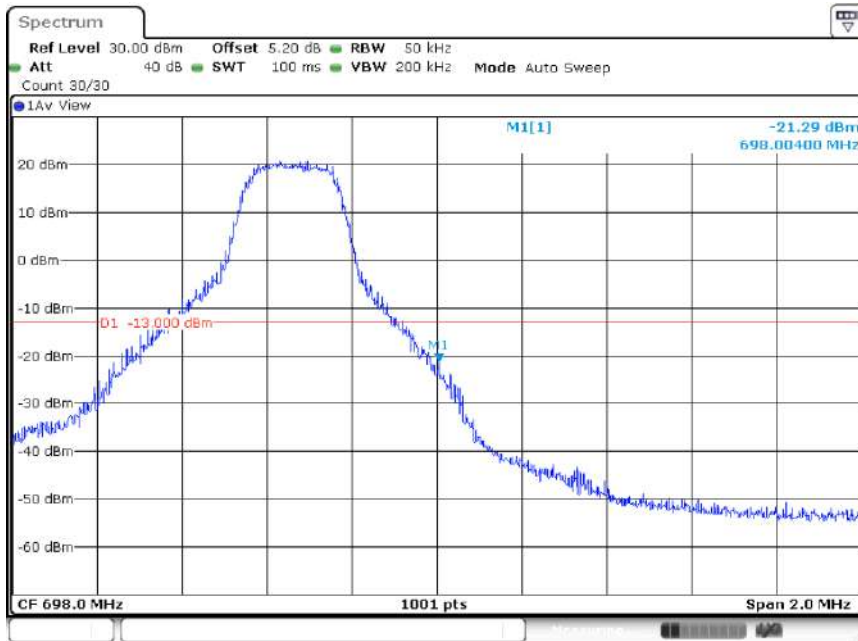
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**Band71-5MHz-16QAM-133147-25RB#0**



Date: 22 SEP 2020 18:44:25

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

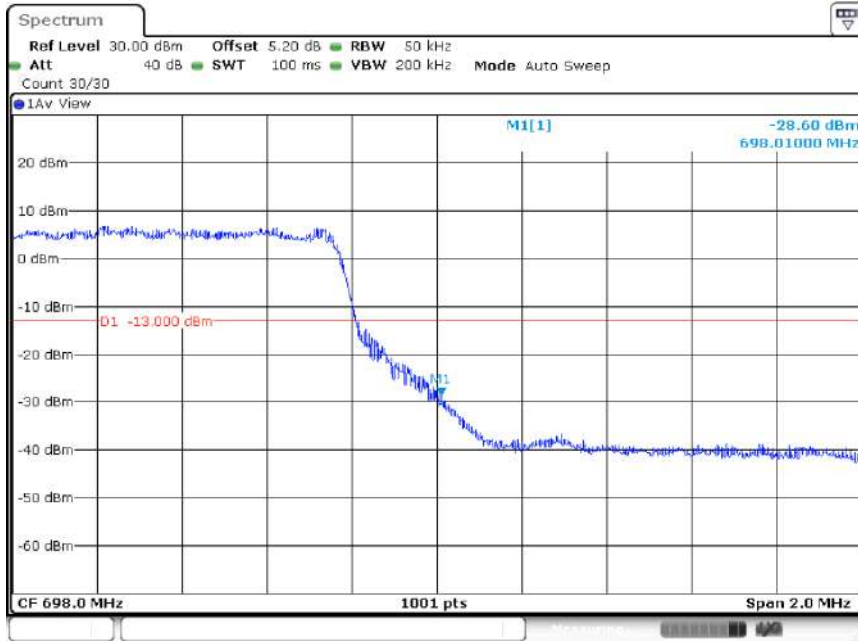


Date: 22 SEP 2020 18:45:08



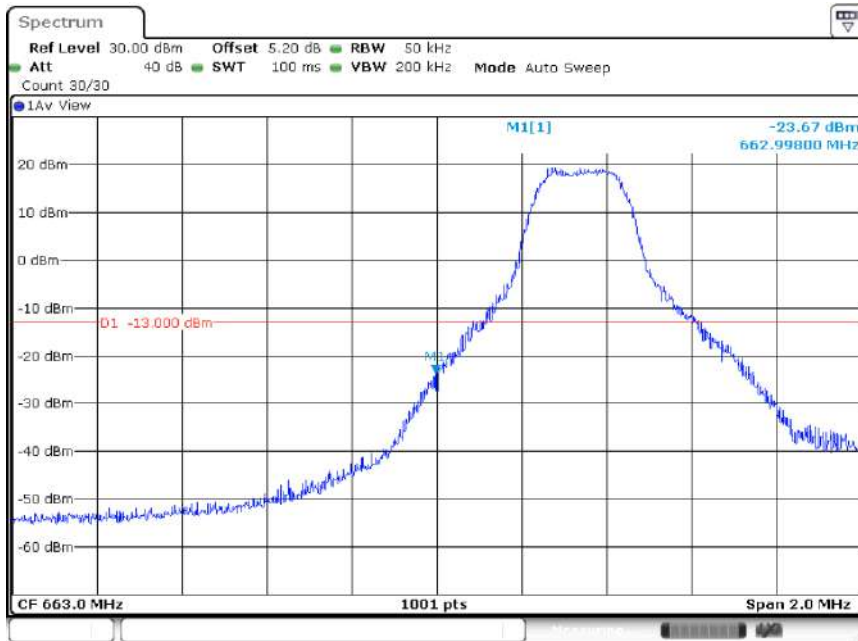
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**Band71-5MHz-16QAM-133447-25RB#0**



Date: 22 SEP 2020 18:45:41

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

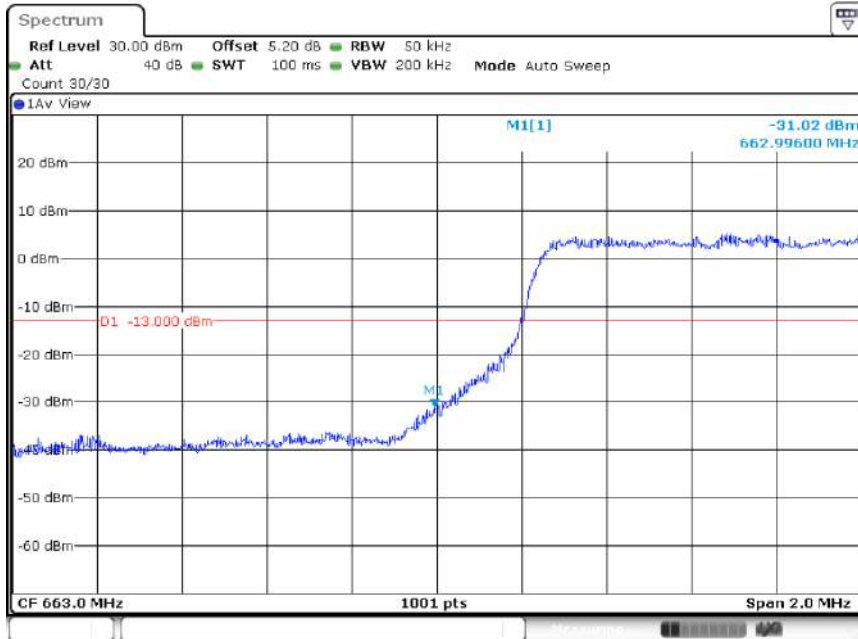


Date: 22 SEP 2020 20:09:32



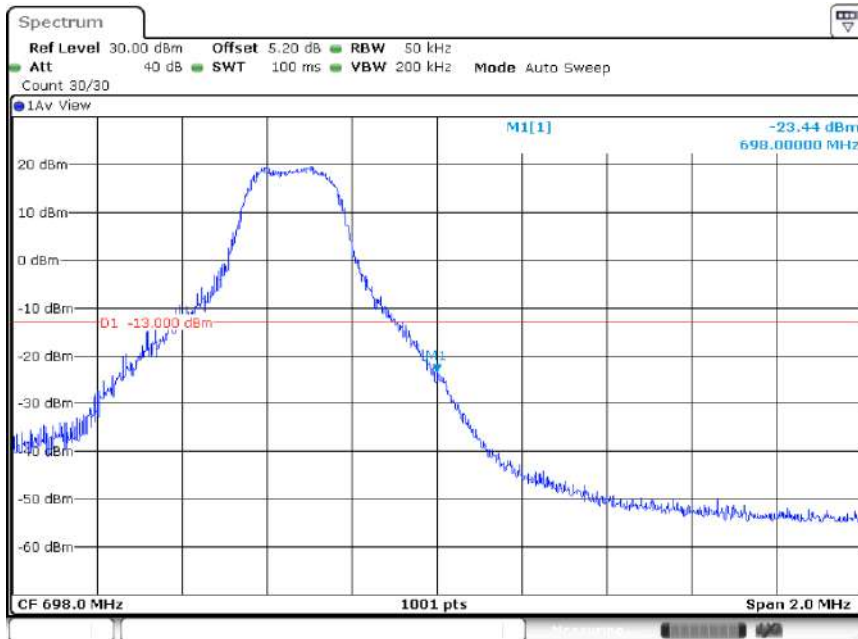
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**Band71-5MHz-64QAM-133147-25RB#0**



Date: 22 SEP 2020 20:09:48

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

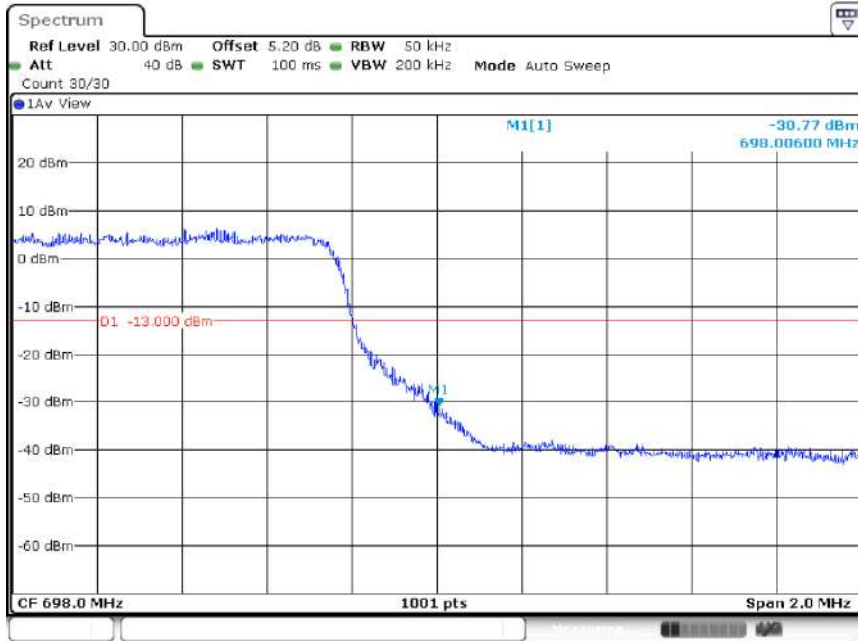


Date: 22 SEP 2020 20:10:13



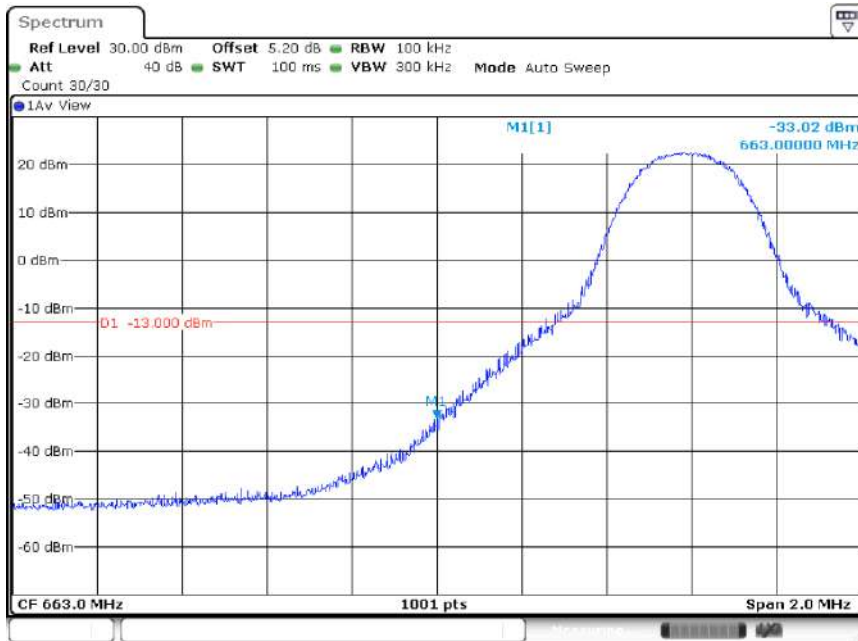
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**Band71-5MHz-64QAM-133447-25RB#0**



Date: 22 SEP 2020 20:10:29

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



Date: 22 SEP 2020 18:46:06



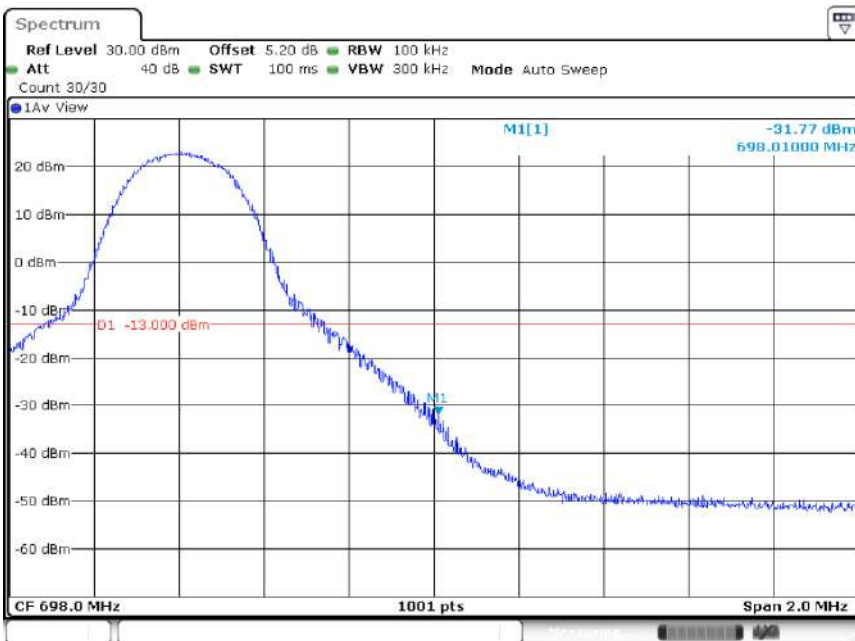
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**Band71-10MHz-QPSK-133172-50RB#0**



Date: 22 SEP 2020 18:46:38

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

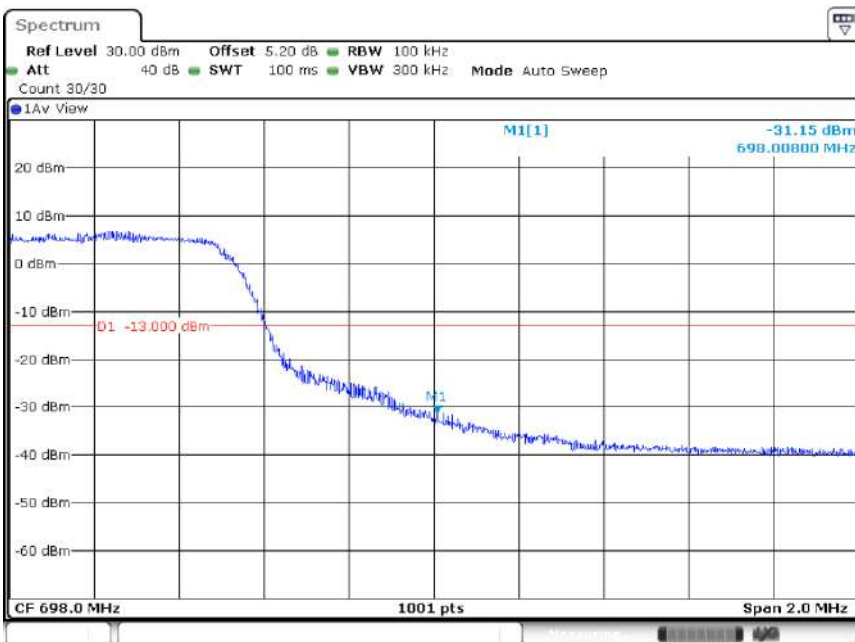


Date: 22 SEP 2020 18:47:19



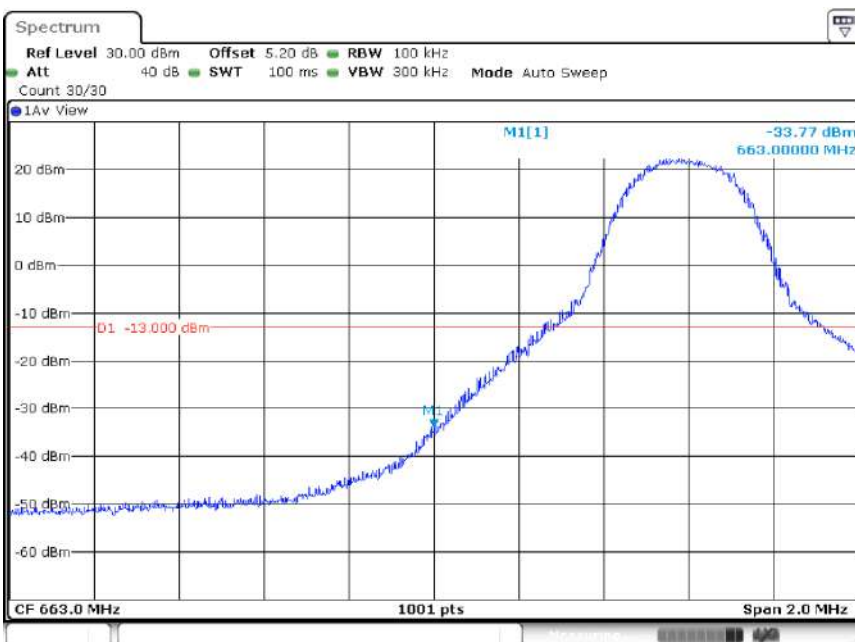
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**Band71-10MHz-QPSK-133422-50RB#0**



Date: 22 SEP 2020 18:47:52

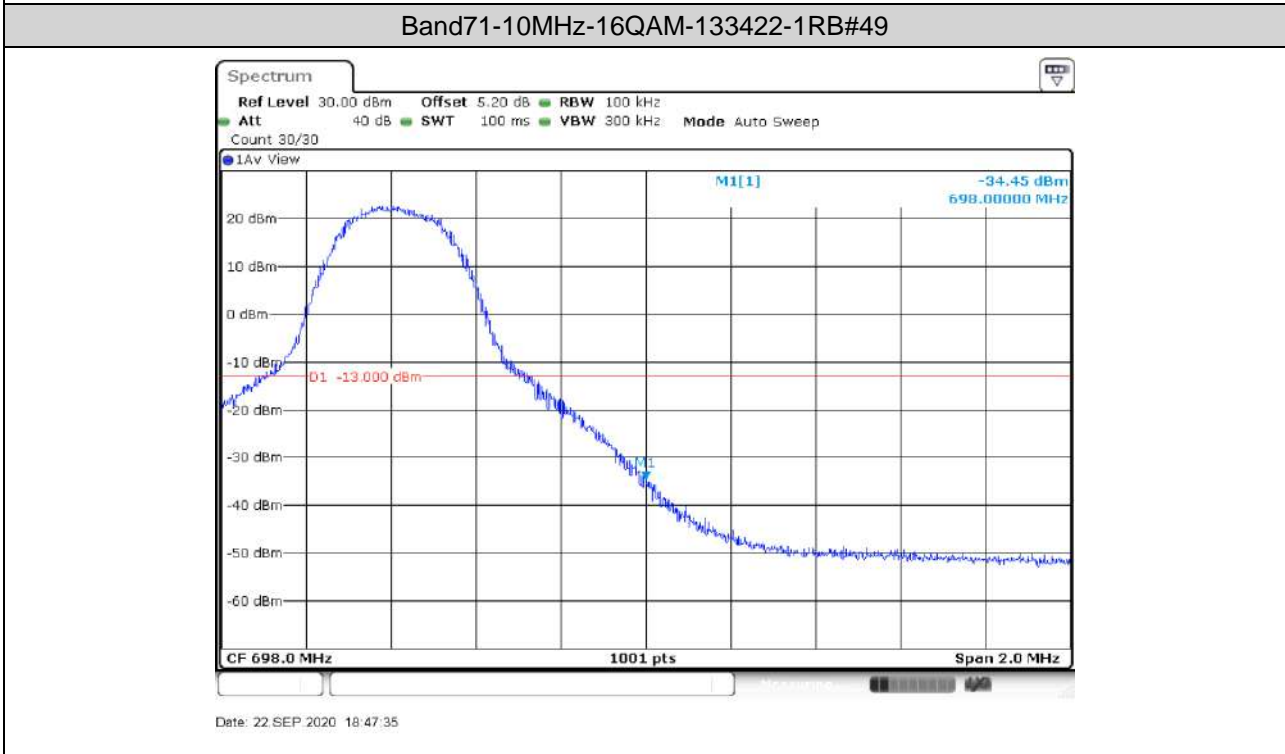
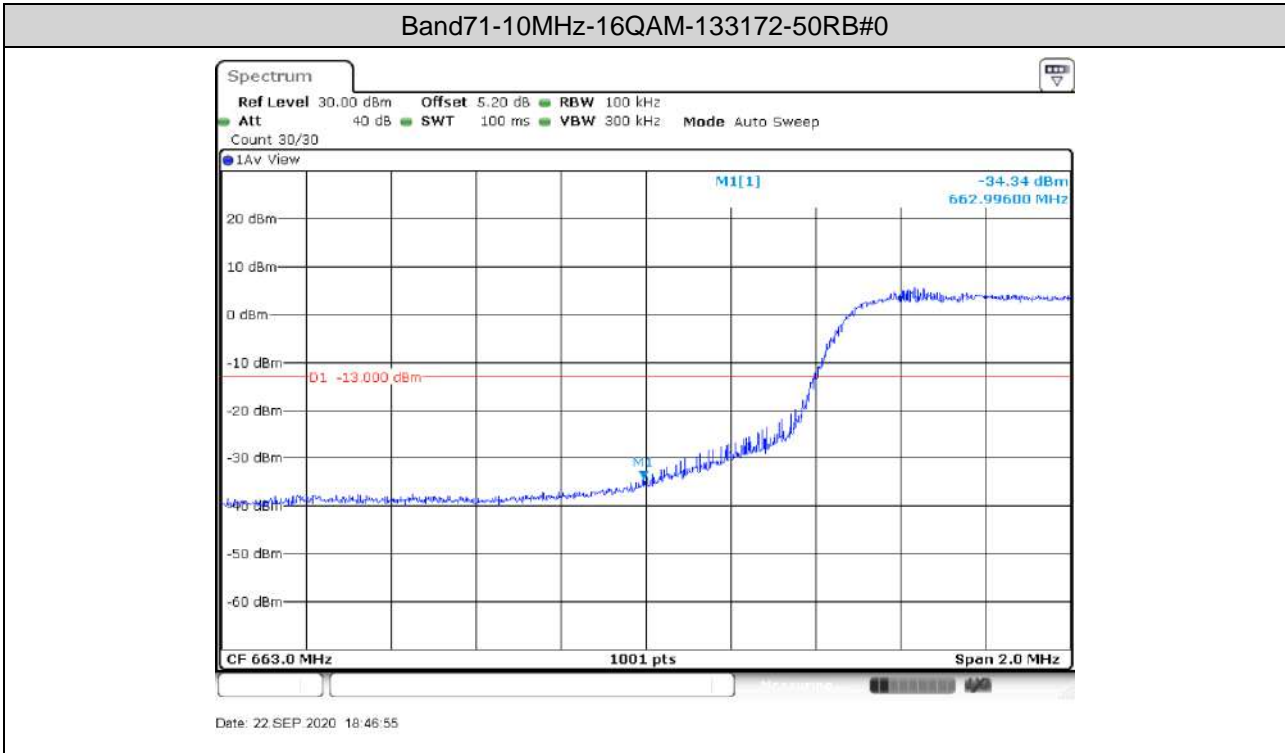
**Band71-10MHz-16QAM-133172-1RB#0**



Date: 22 SEP 2020 18:46:22



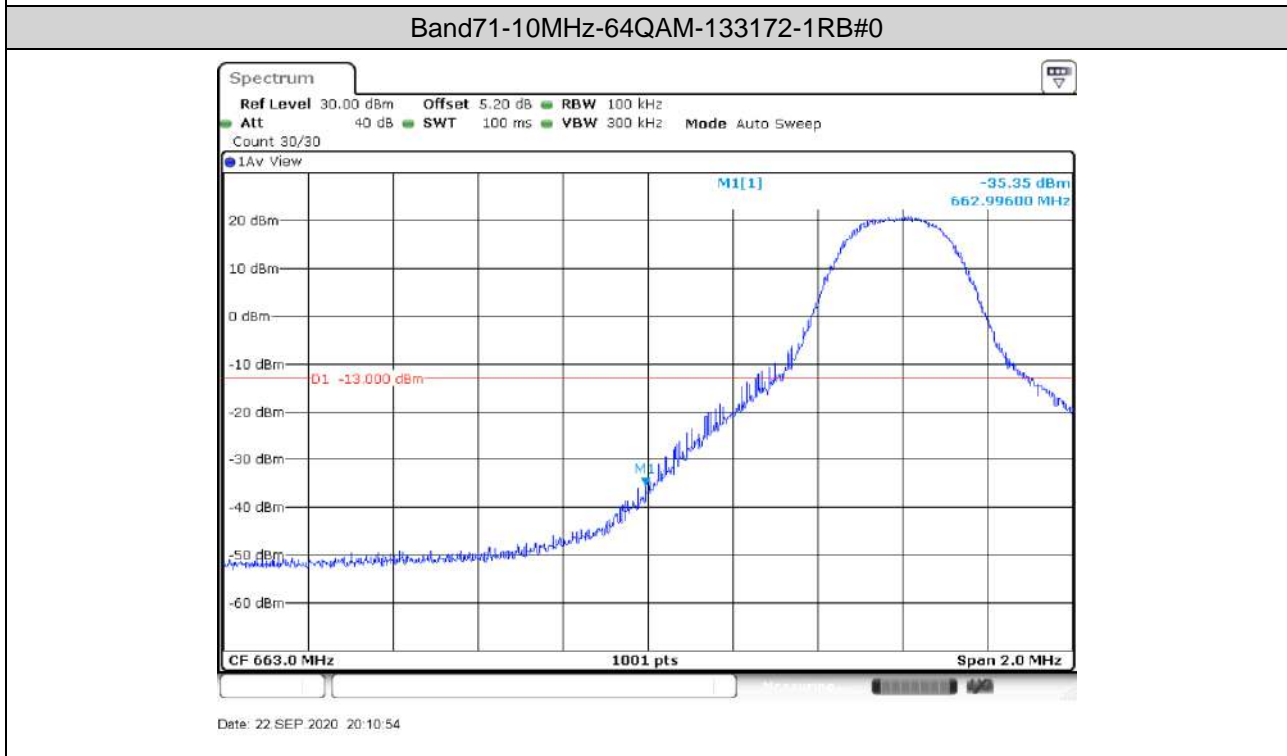
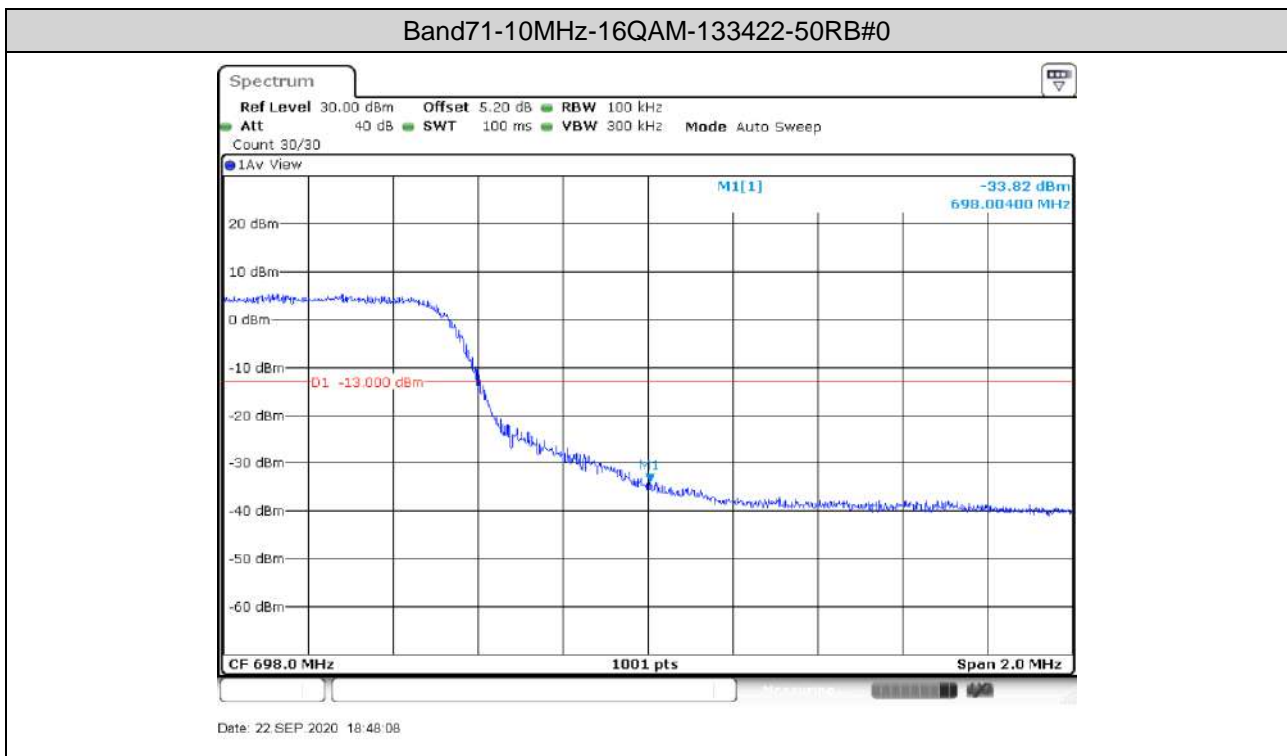
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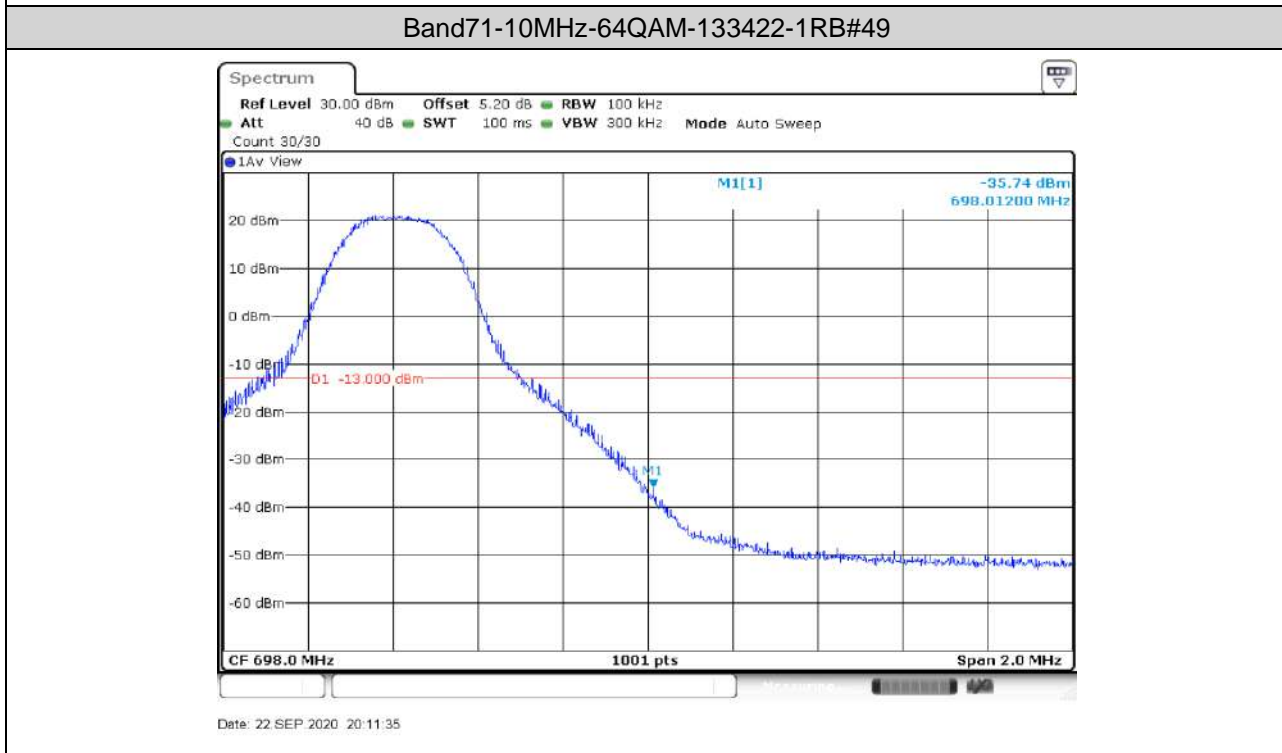
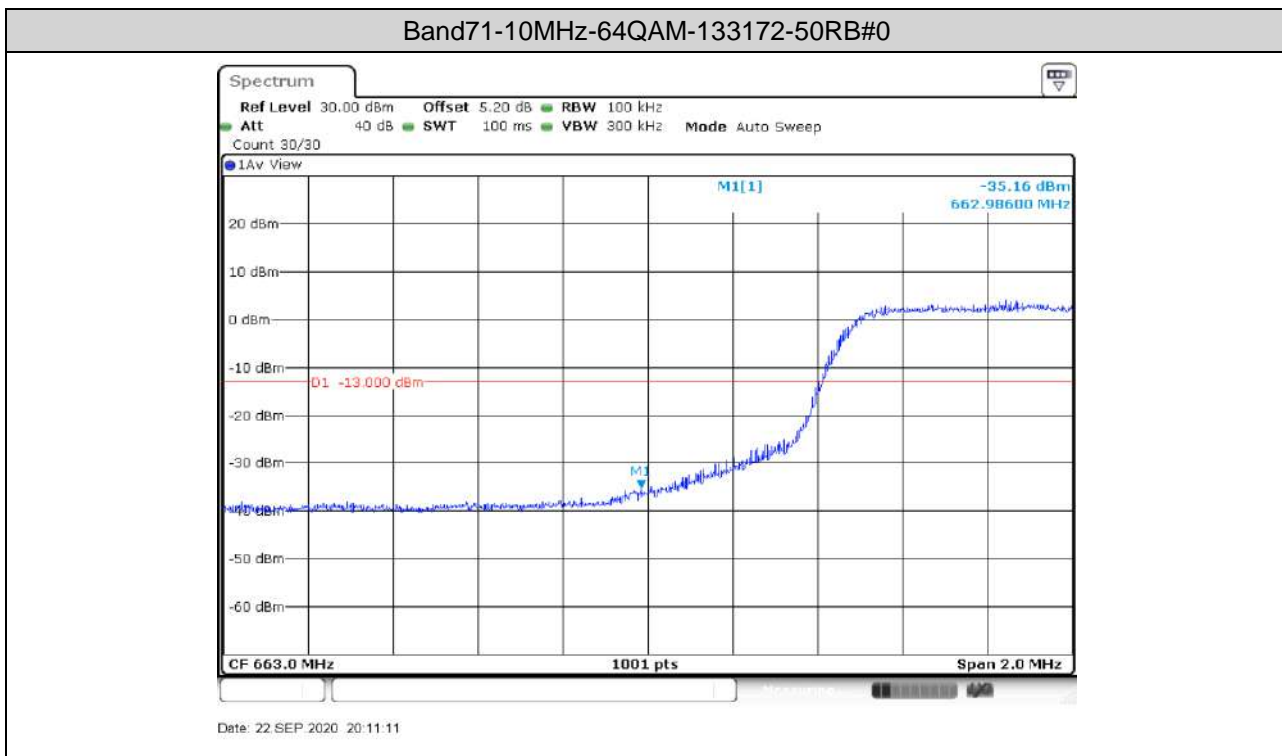
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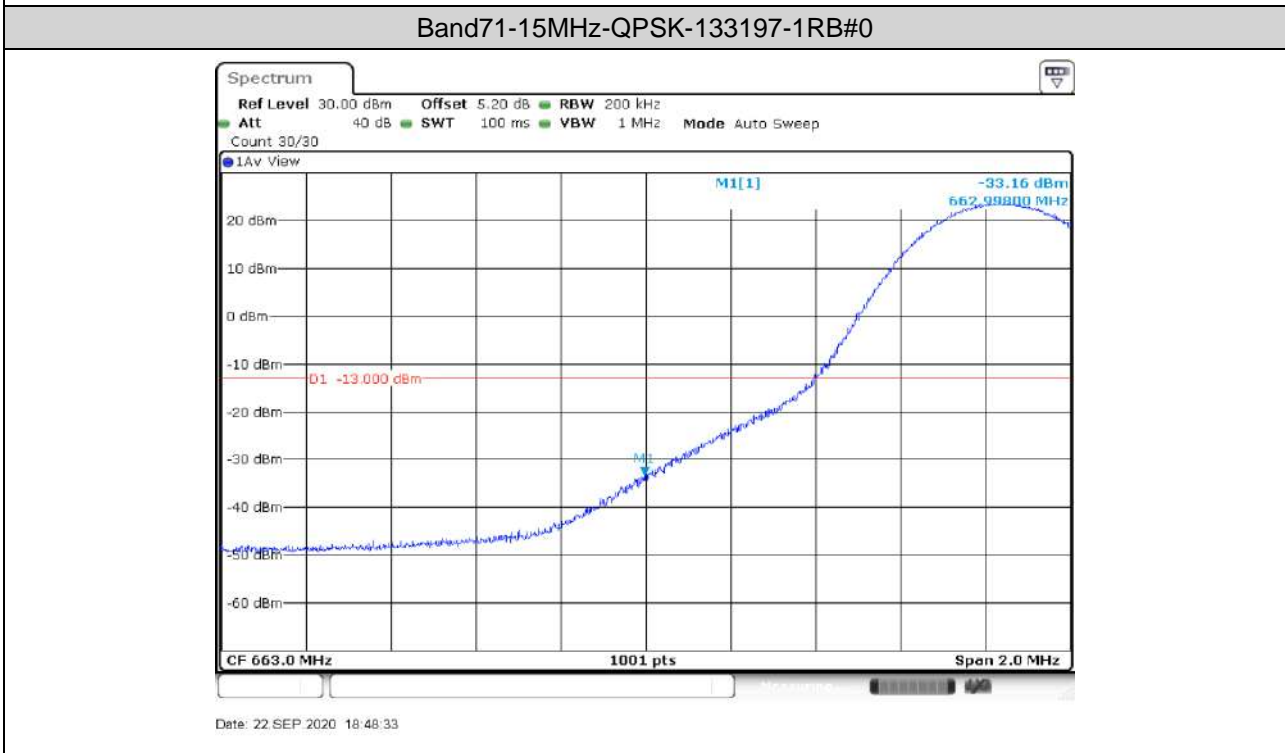
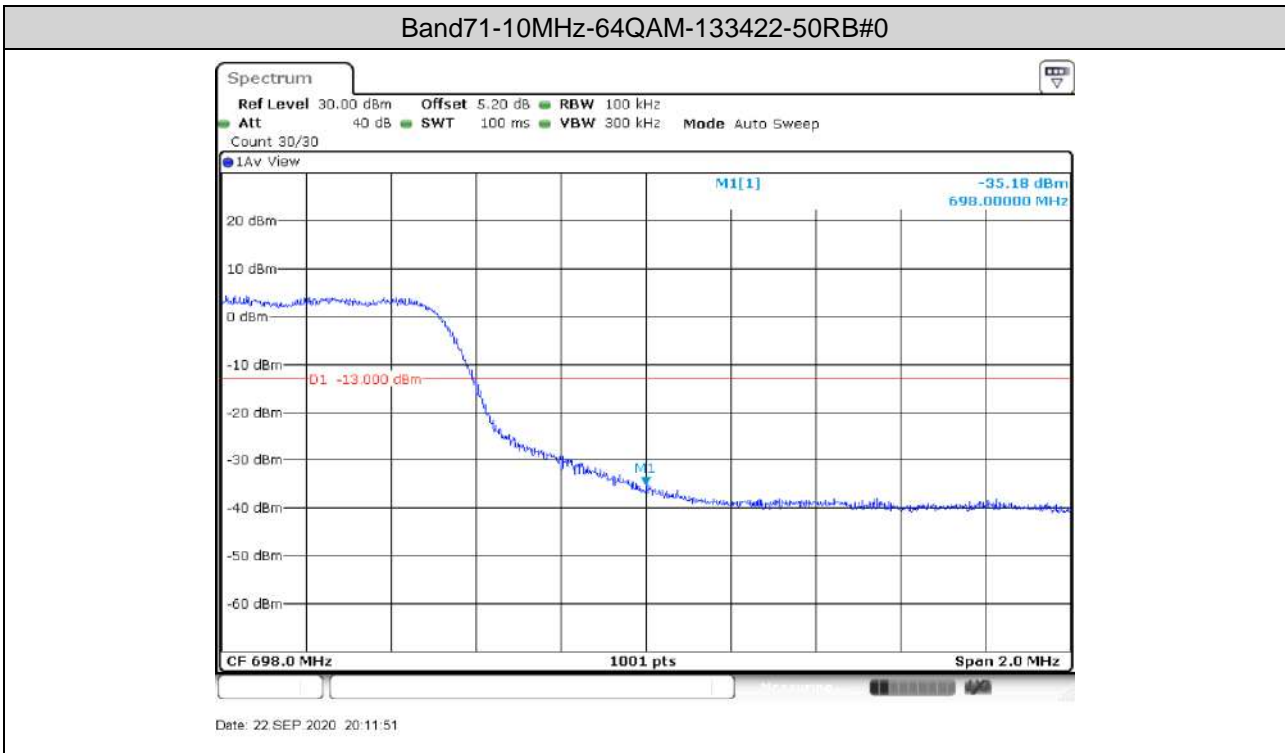




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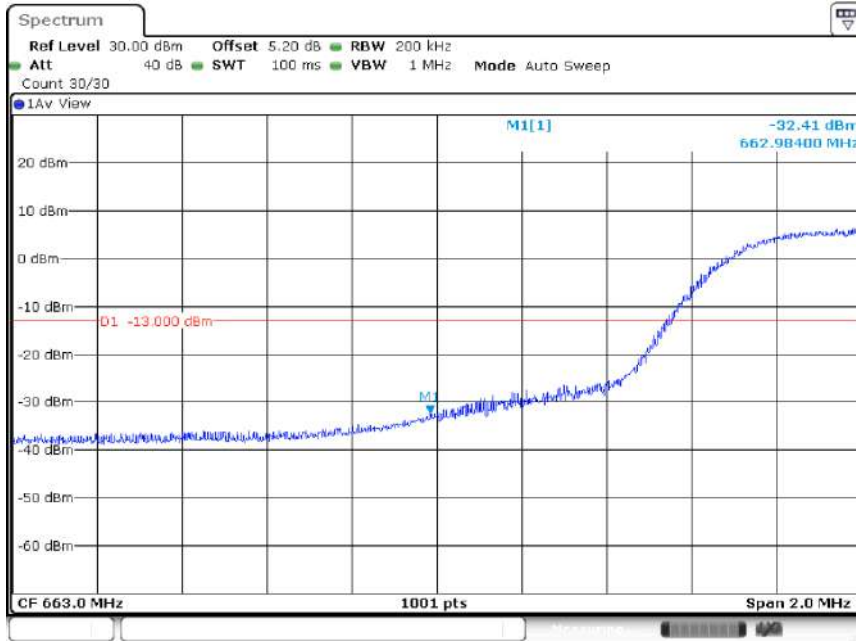


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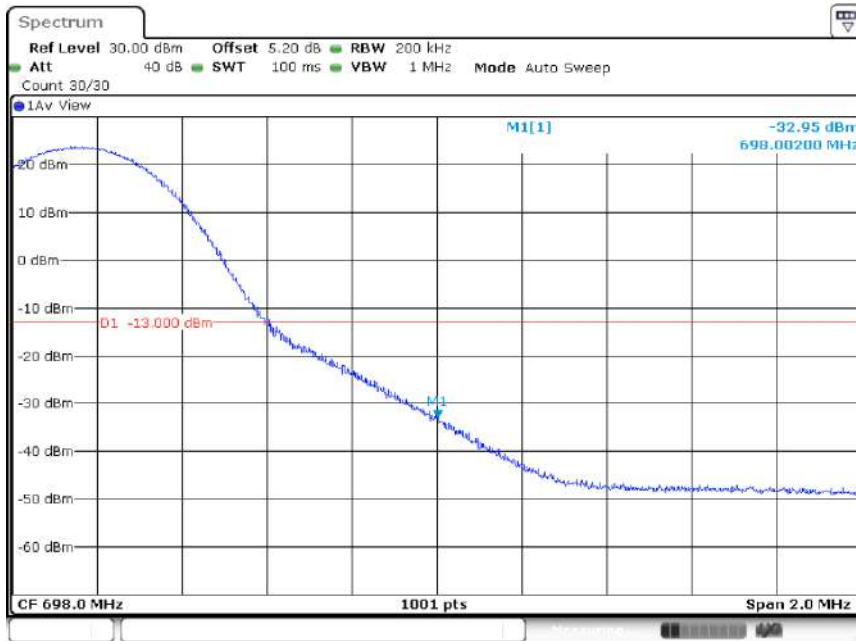
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**Band71-15MHz-QPSK-133197-75RB#0**



Date: 22 SEP 2020 18:49:06

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

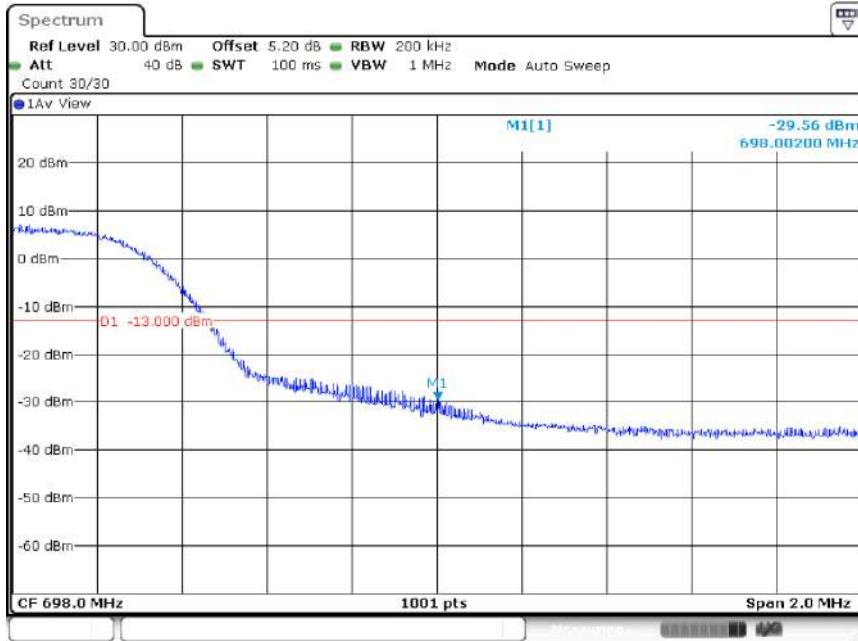


Date: 22 SEP 2020 18:49:46



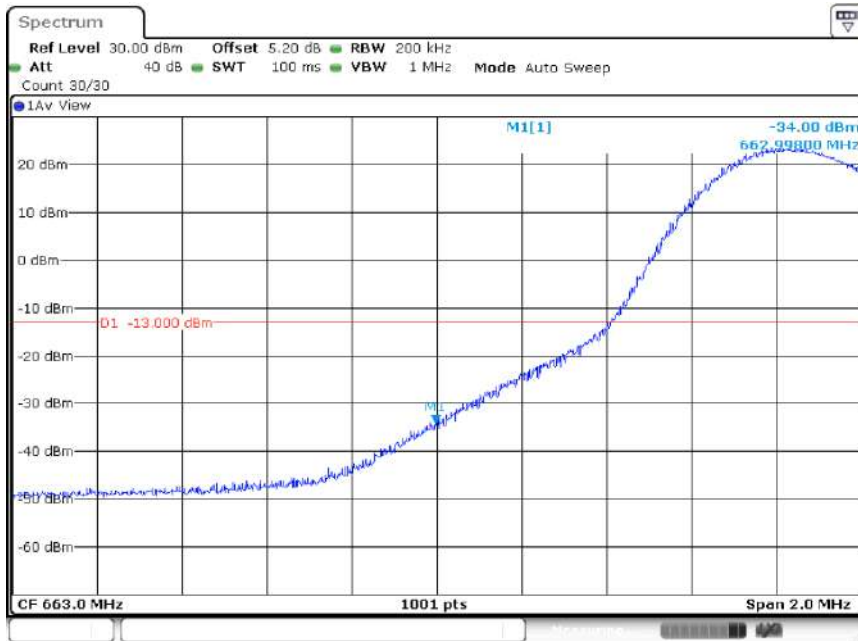
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**Band71-15MHz-QPSK-133397-75RB#0**



Date: 22 SEP 2020 18:50:19

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

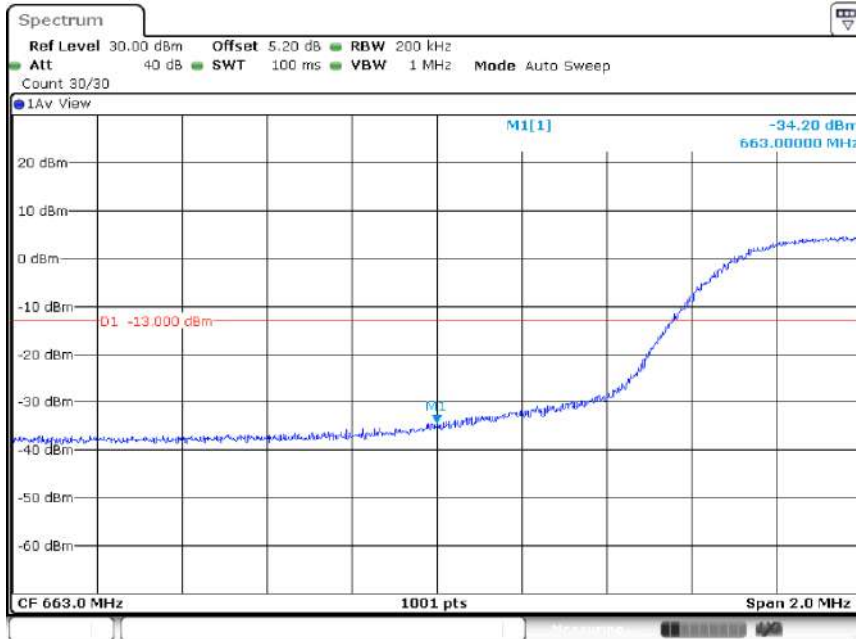


Date: 22 SEP 2020 18:48:49



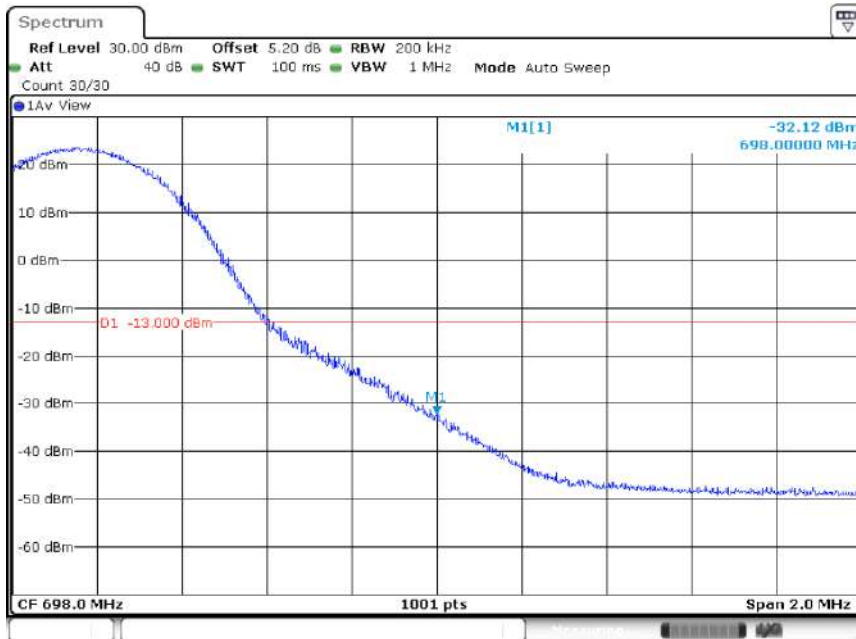
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**Band71-15MHz-16QAM-133197-75RB#0**



Date: 22 SEP 2020 18:49:22

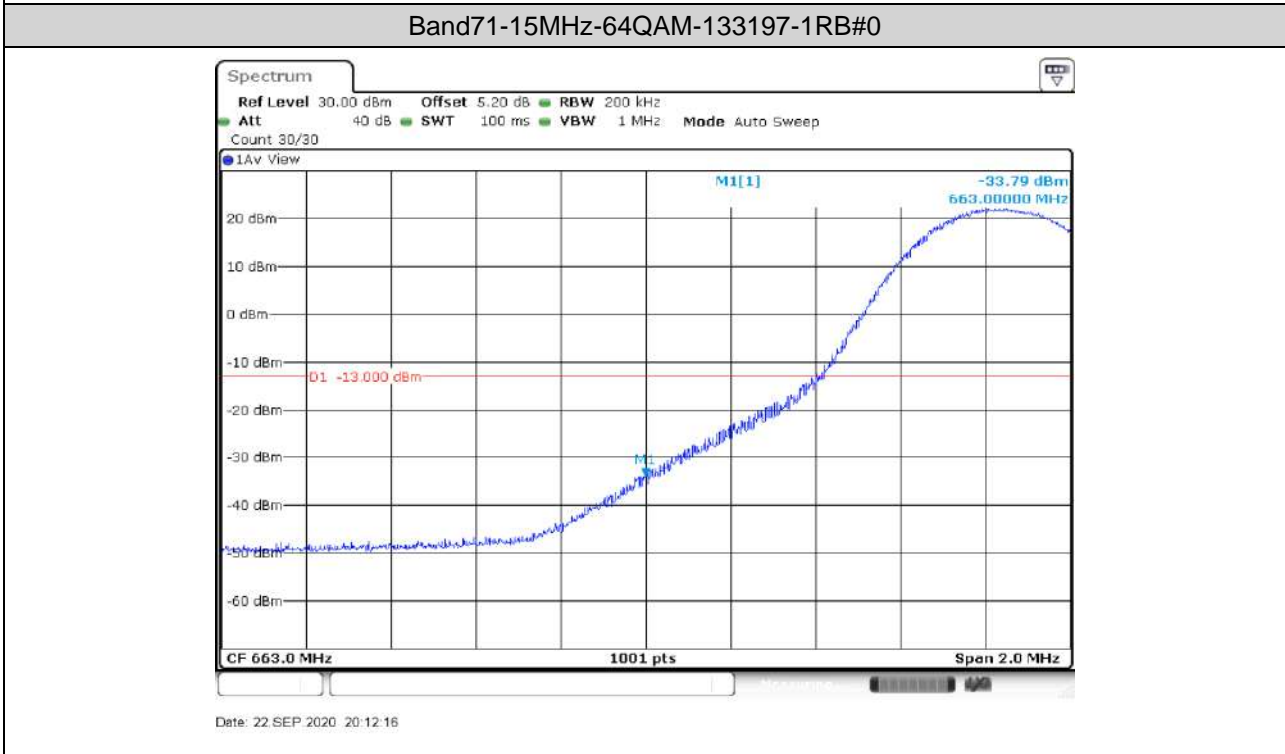
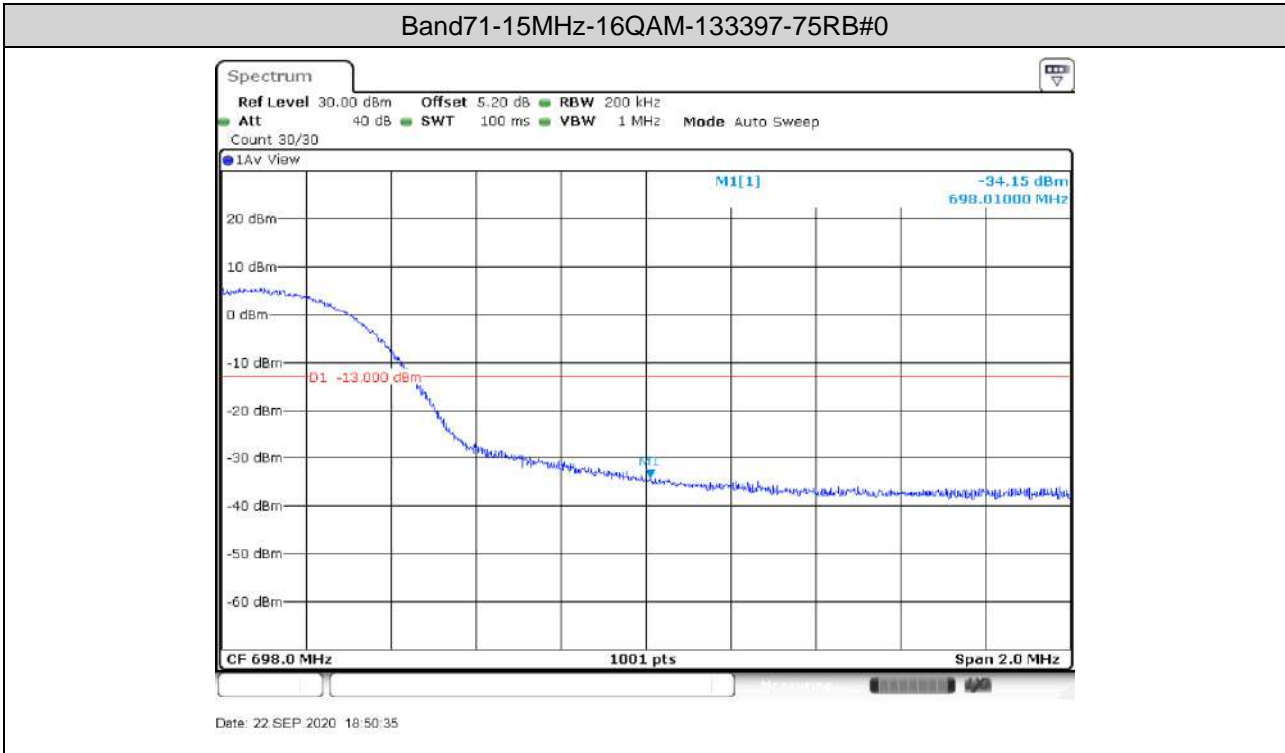
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Date: 22 SEP 2020 18:50:03



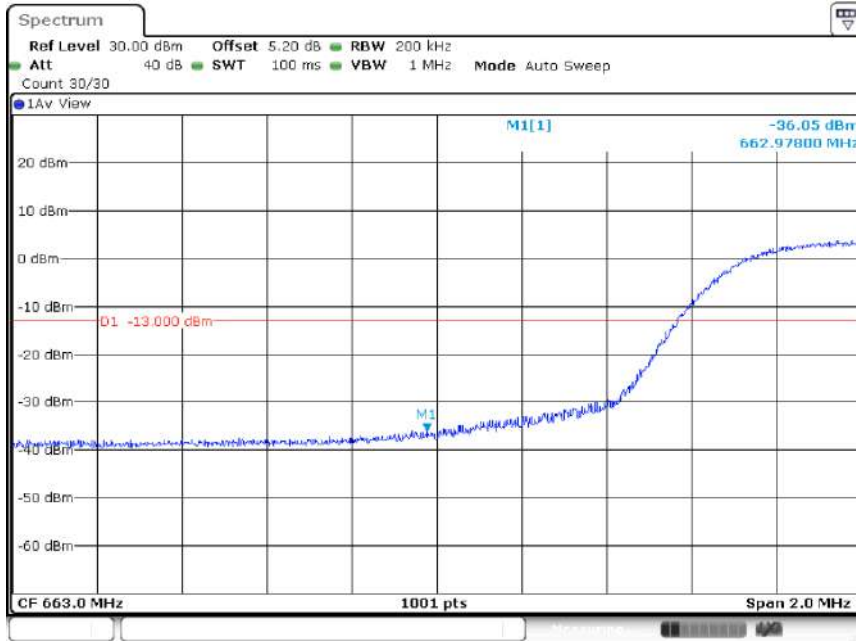
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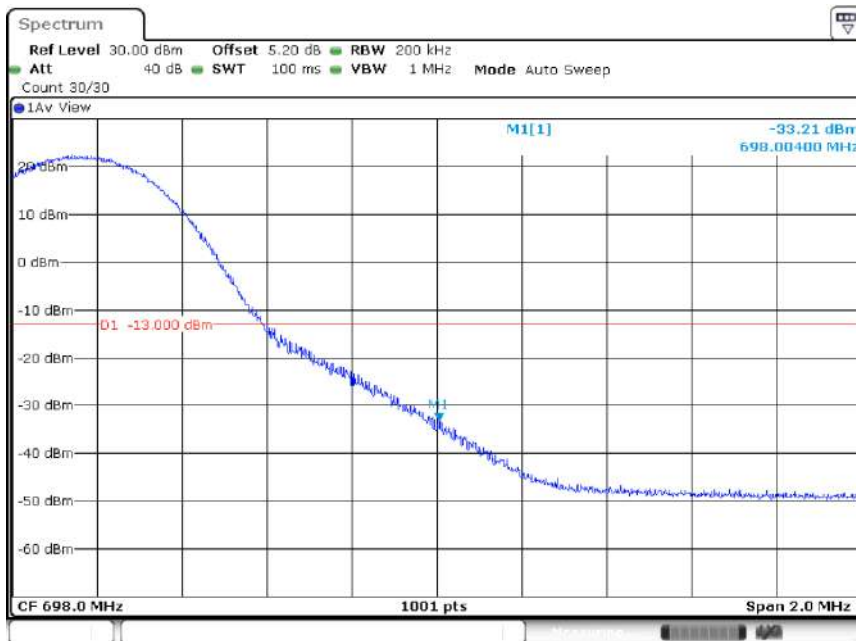
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**Band71-15MHz-64QAM-133197-75RB#0**



Date: 22 SEP 2020 20:12:33

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



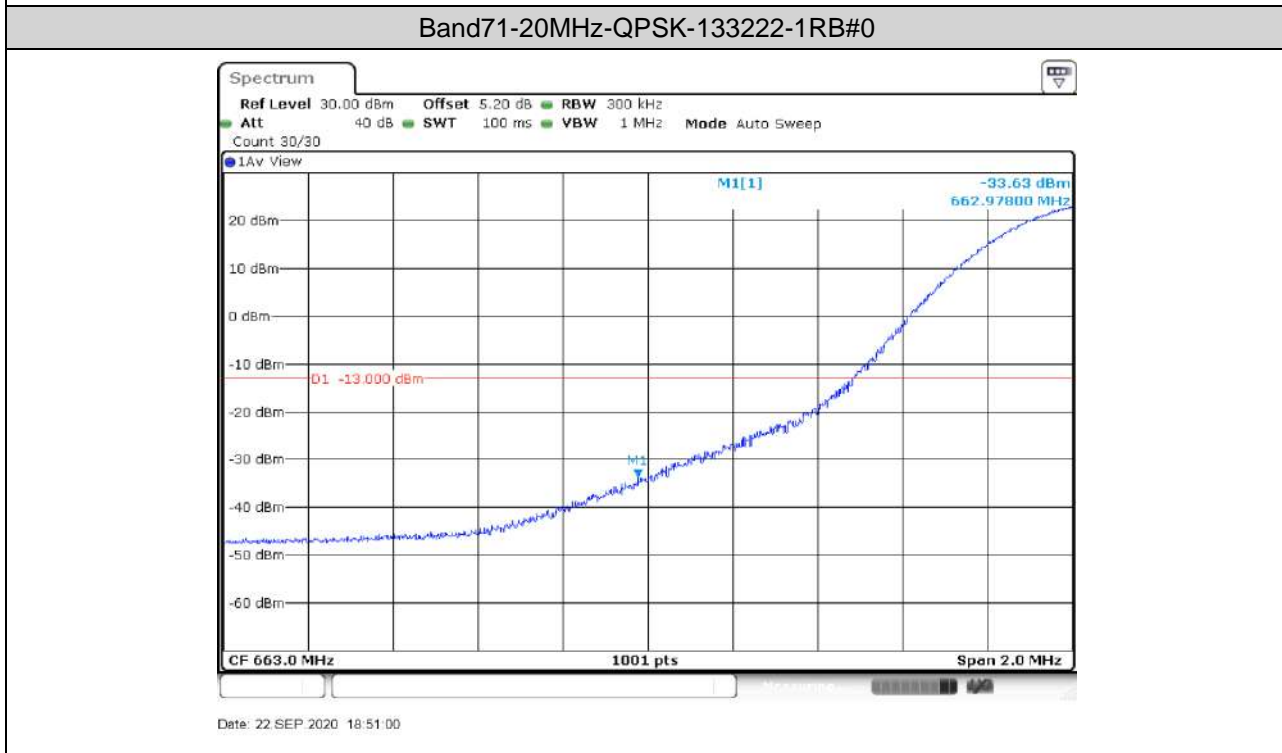
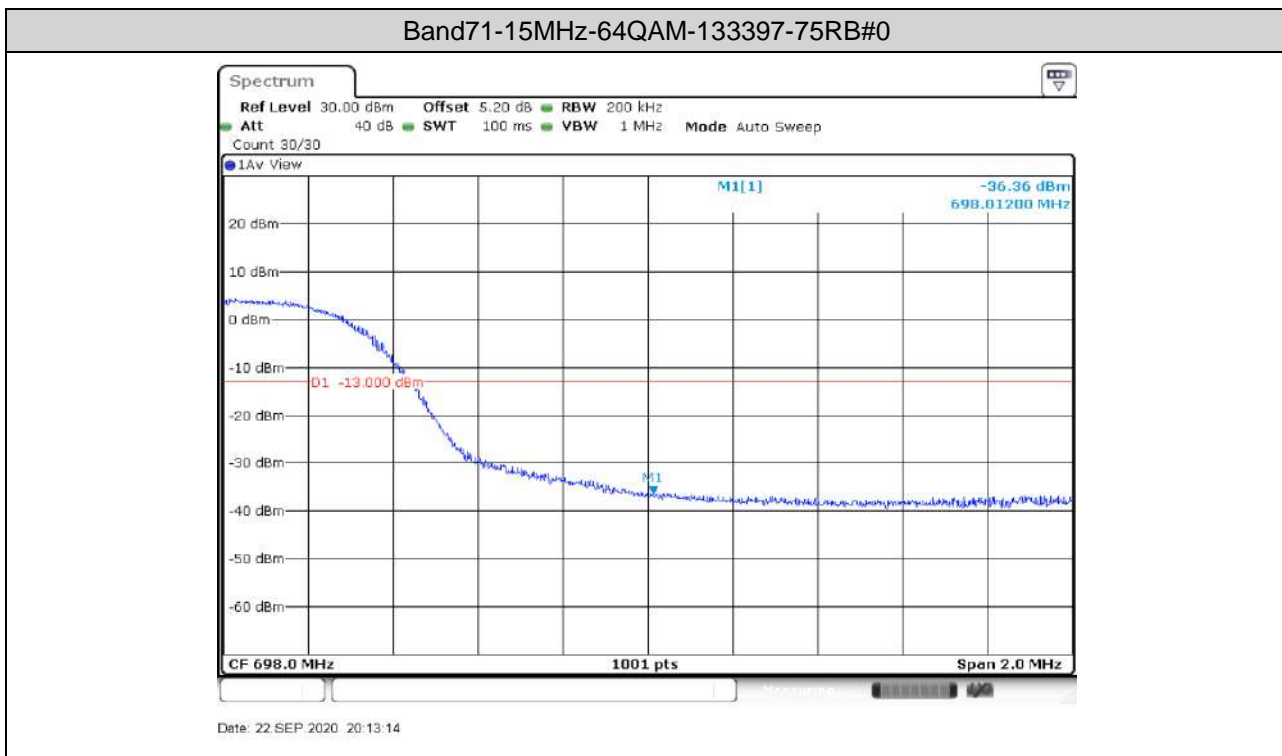
Date: 22 SEP 2020 20:12:57



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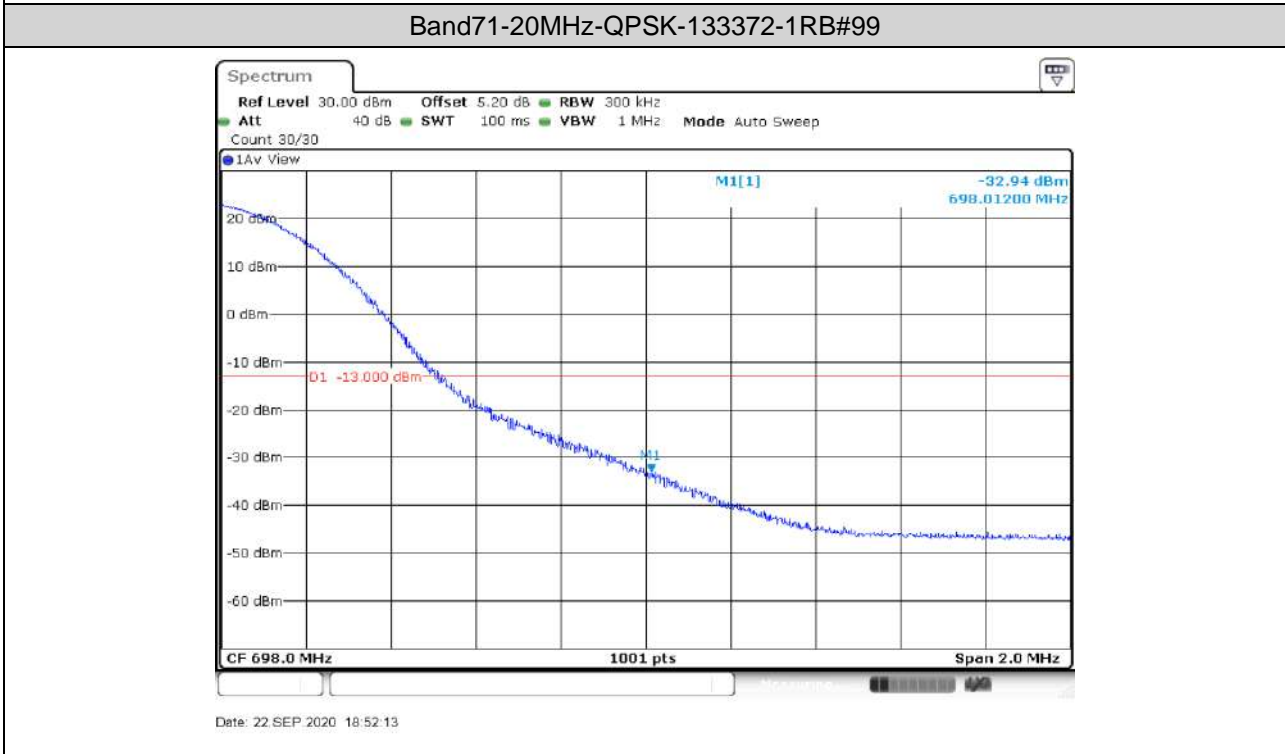
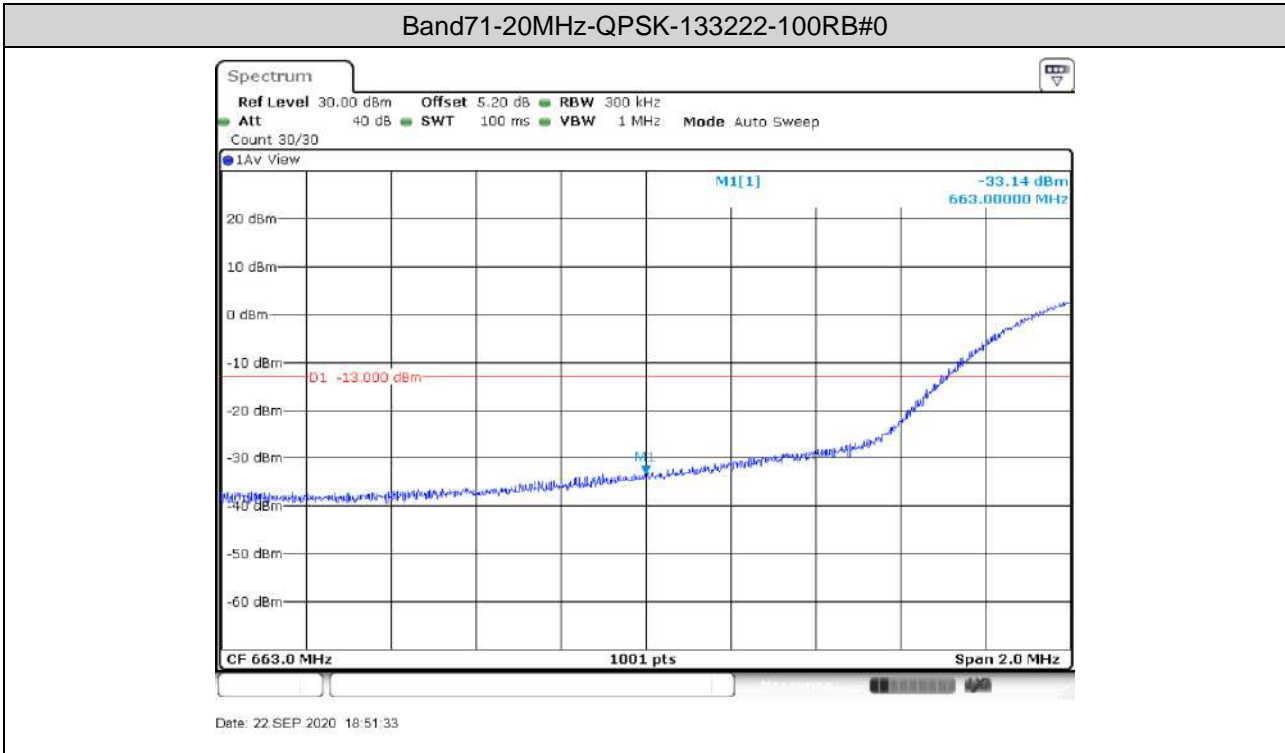
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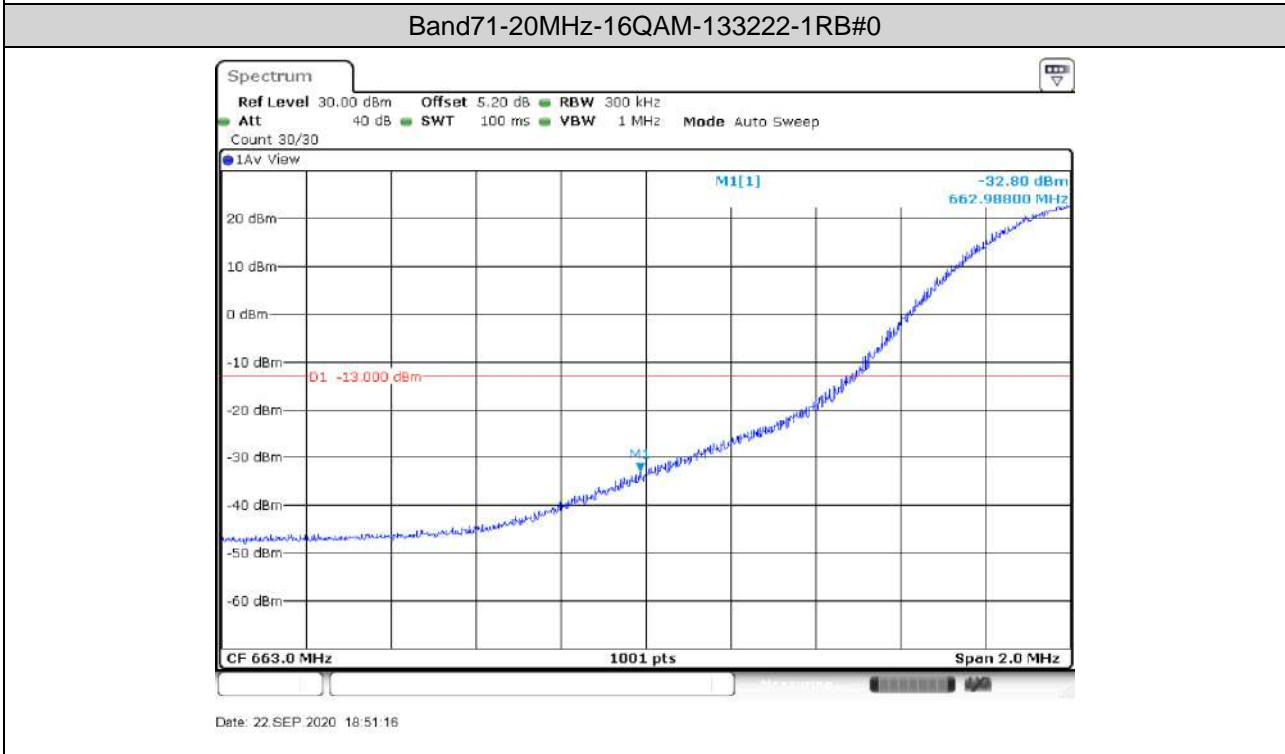
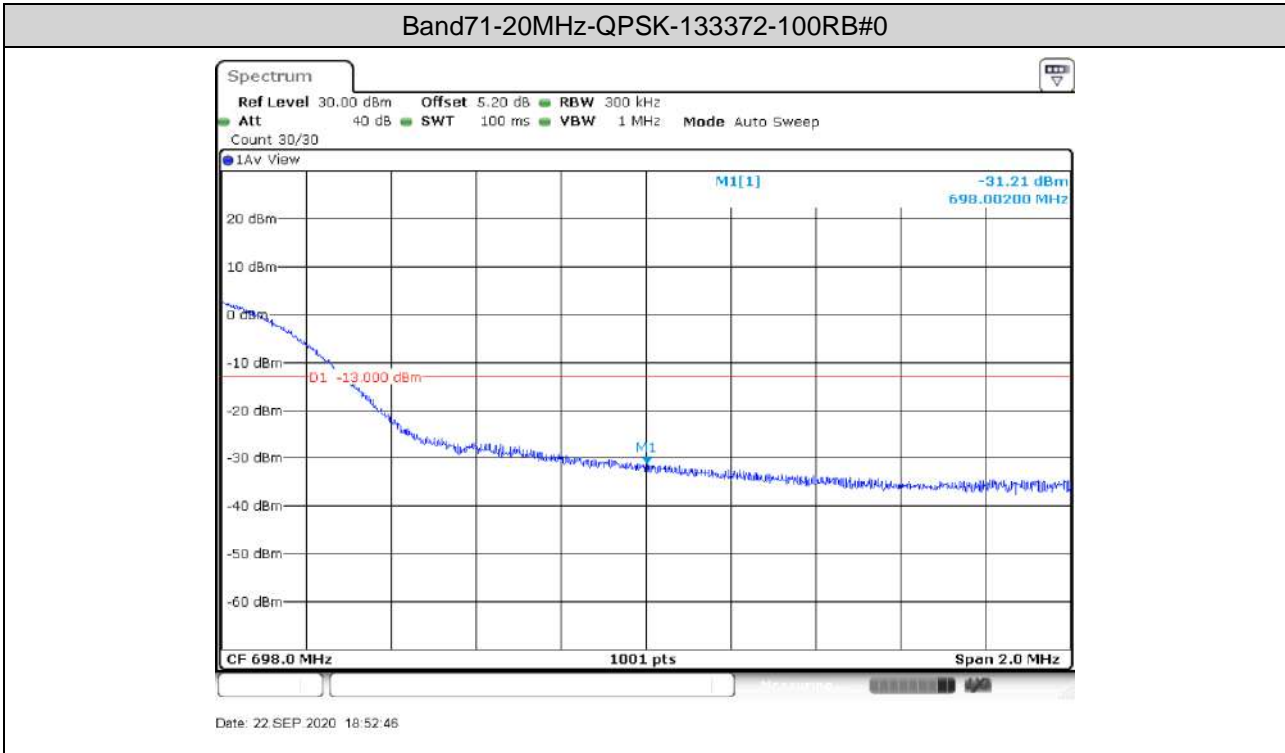


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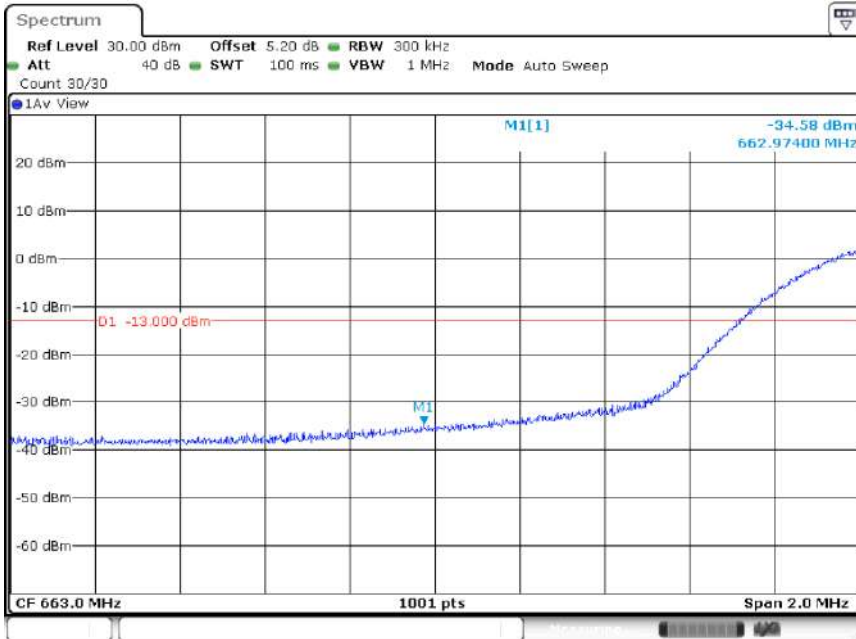
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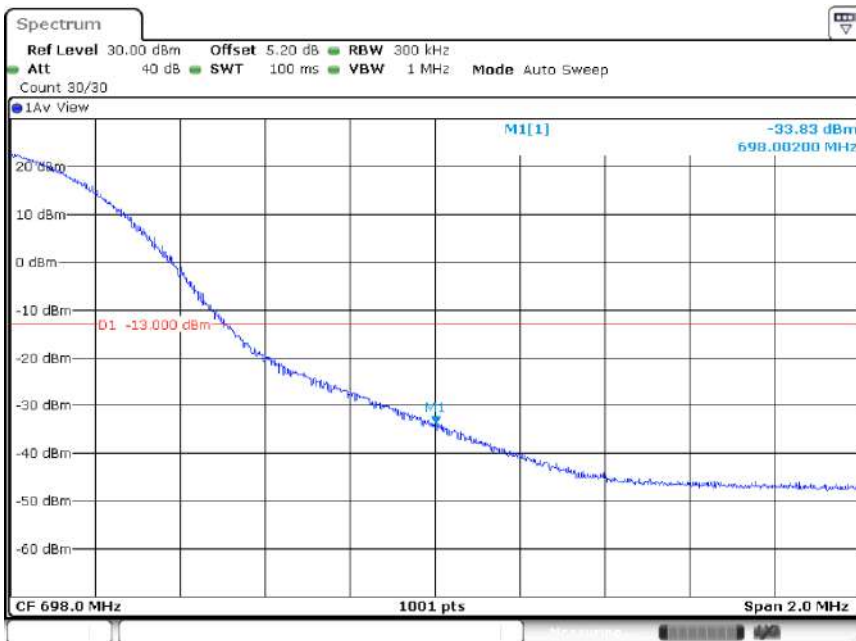
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**Band71-20MHz-16QAM-133222-100RB#0**



Date: 22 SEP 2020 18:51:49

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

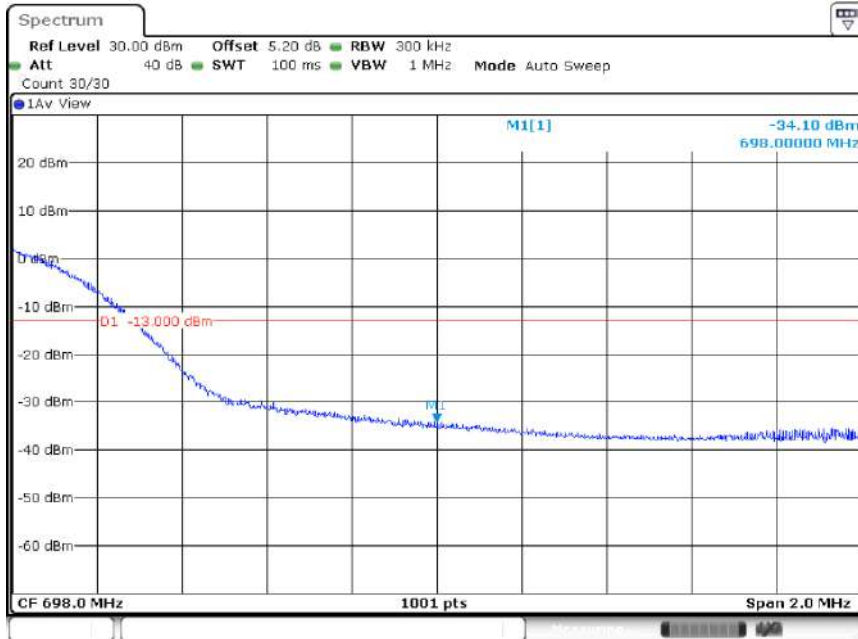


Date: 22 SEP 2020 18:52:30



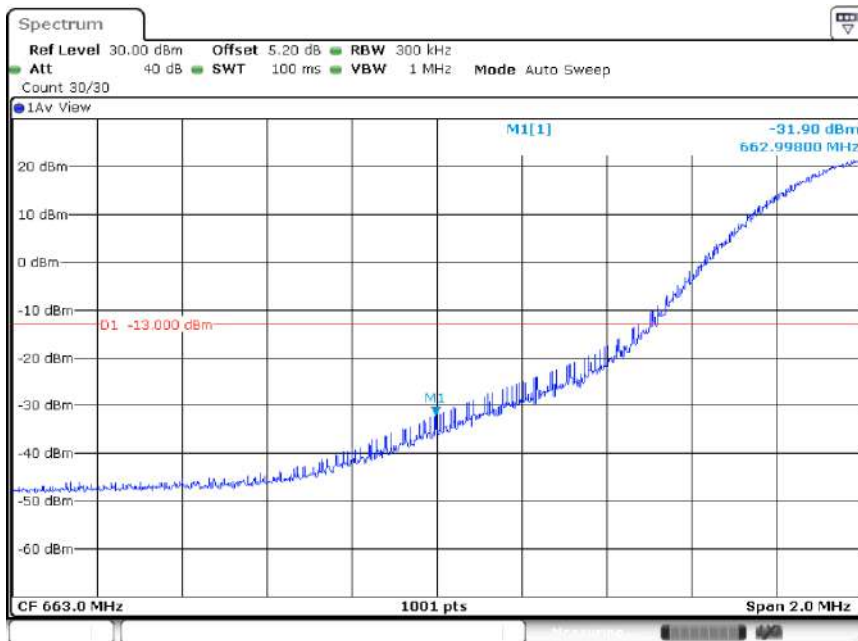
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**Band71-20MHz-16QAM-133372-100RB#0**



Date: 22 SEP 2020 18:53:03

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

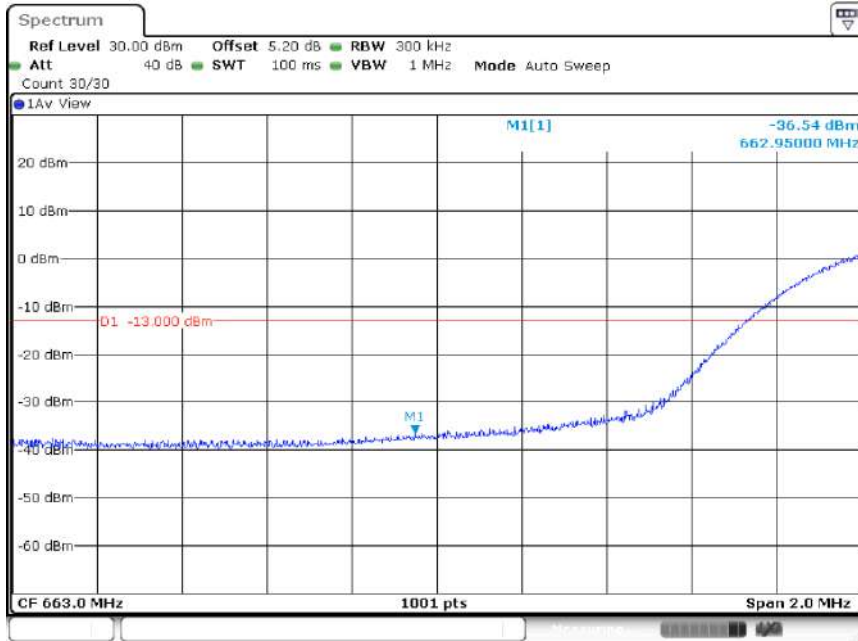


Date: 22 SEP 2020 20:13:39



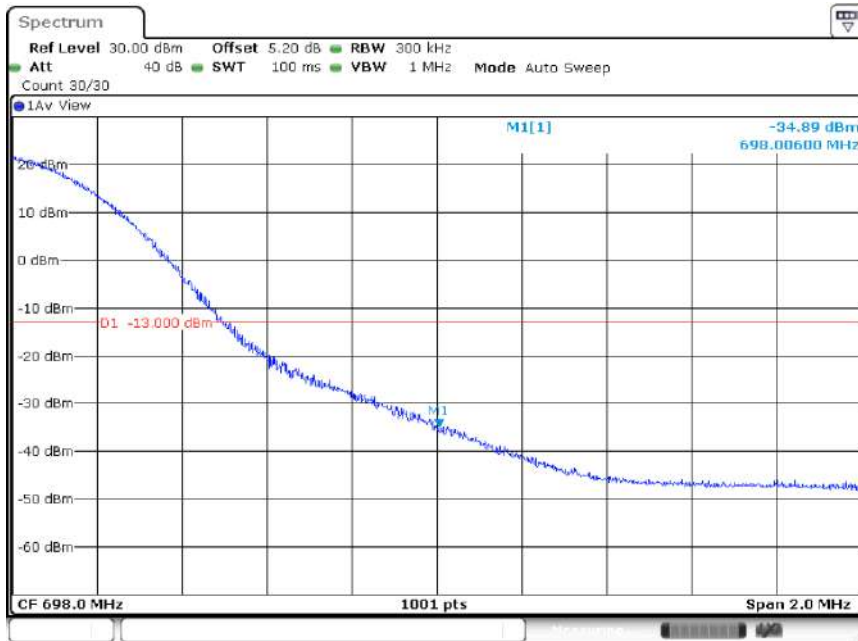
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**Band71-20MHz-64QAM-133222-100RB#0**



Date: 22 SEP 2020 20:13:56

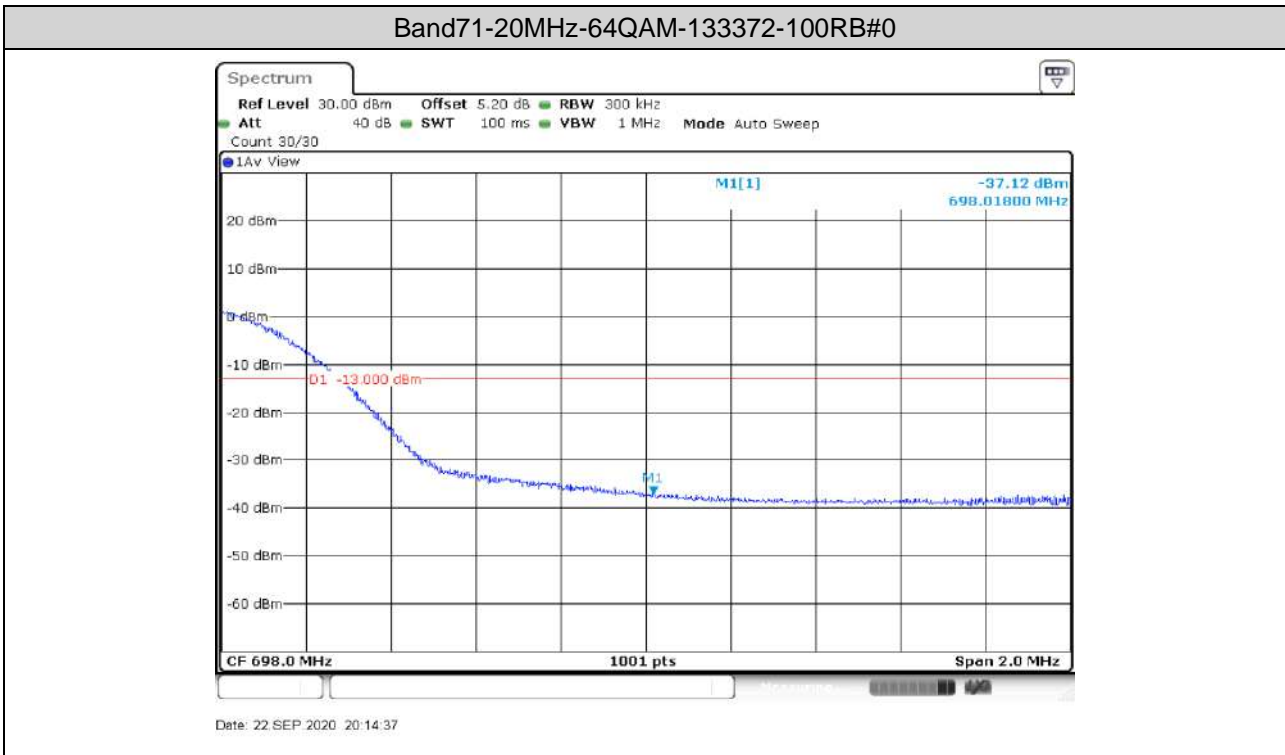
**Band71-20MHz-64QAM-133372-1RB#99**



Date: 22 SEP 2020 20:14:20



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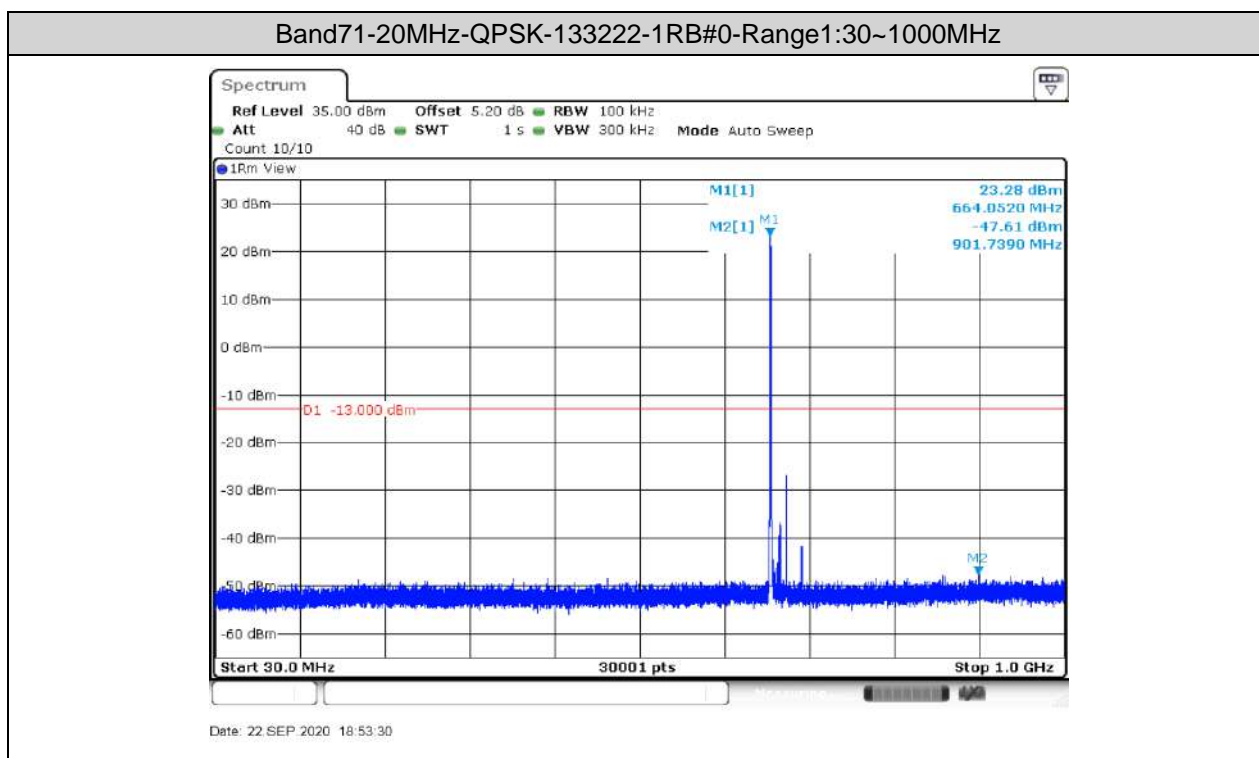
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## 6 Spurious Emission at Antenna Terminal

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.

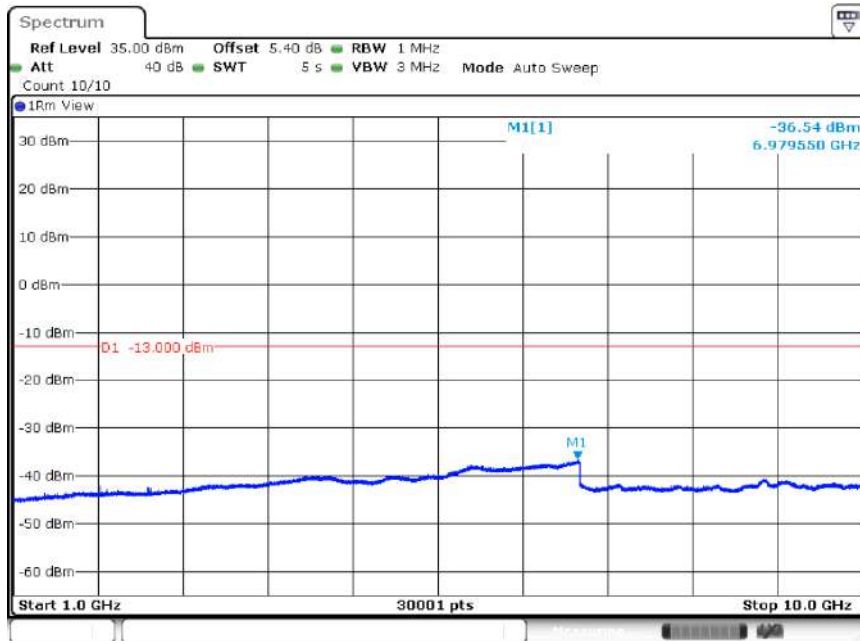
### 6.1 Test Plots



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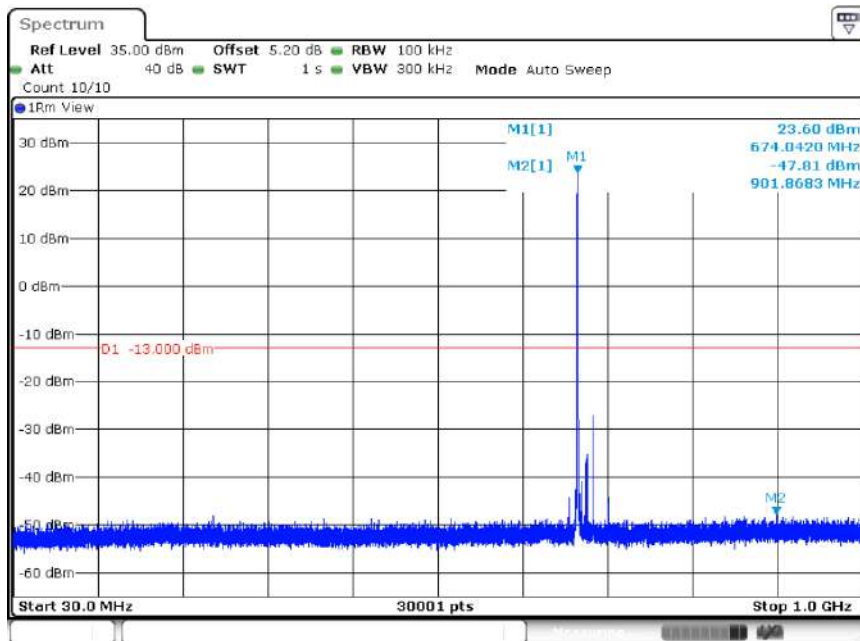


**Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP 2020 18:54:38

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

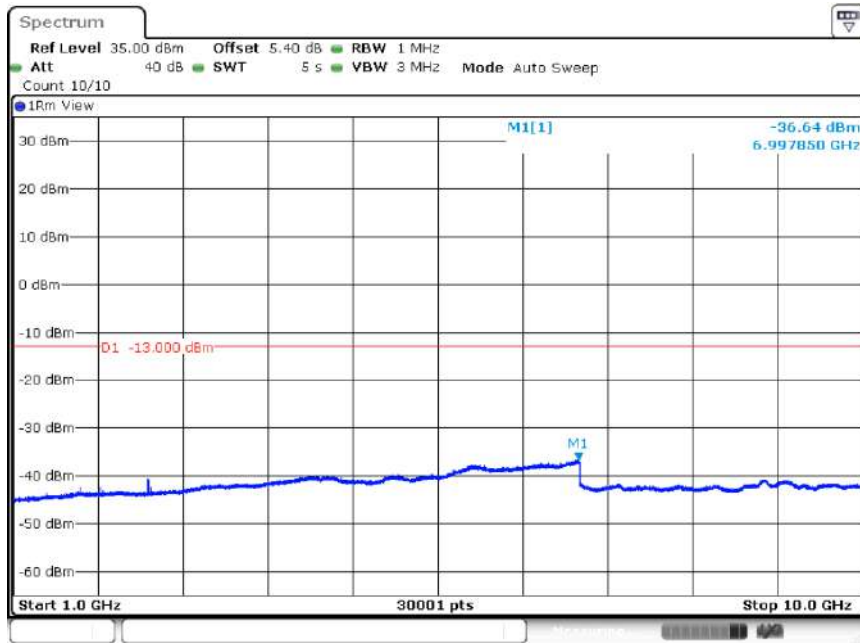


Date: 22 SEP 2020 18:56:31



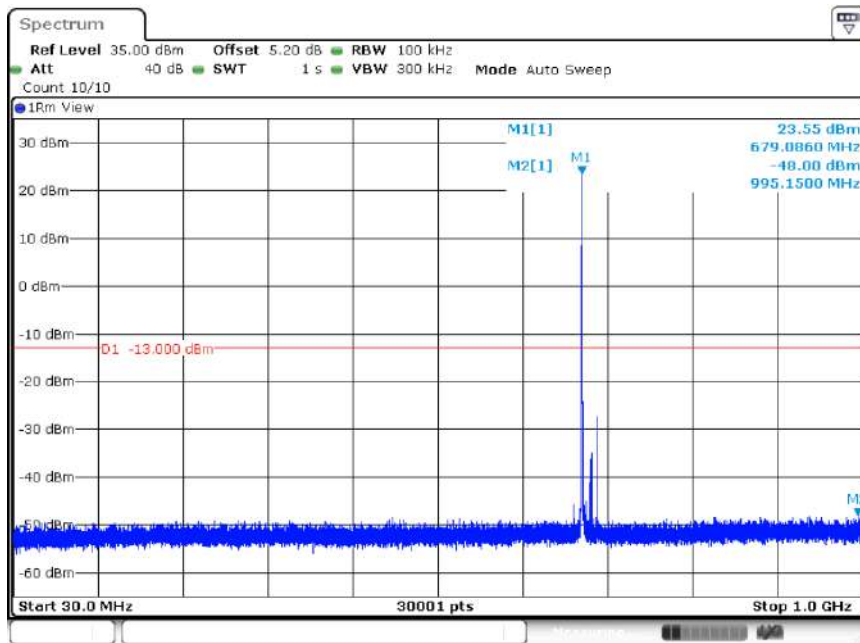
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**Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP 2020 18:57:40

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

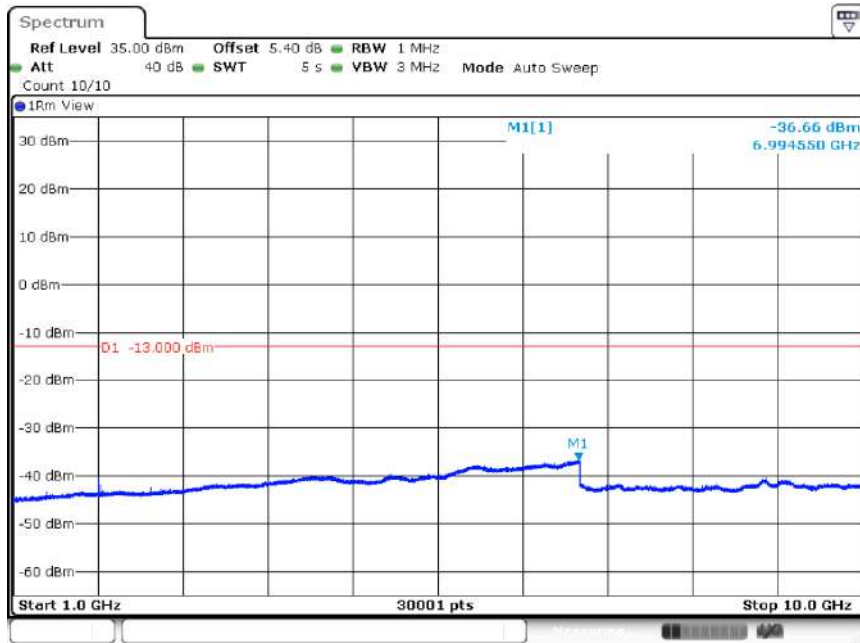


Date: 22 SEP 2020 18:59:33



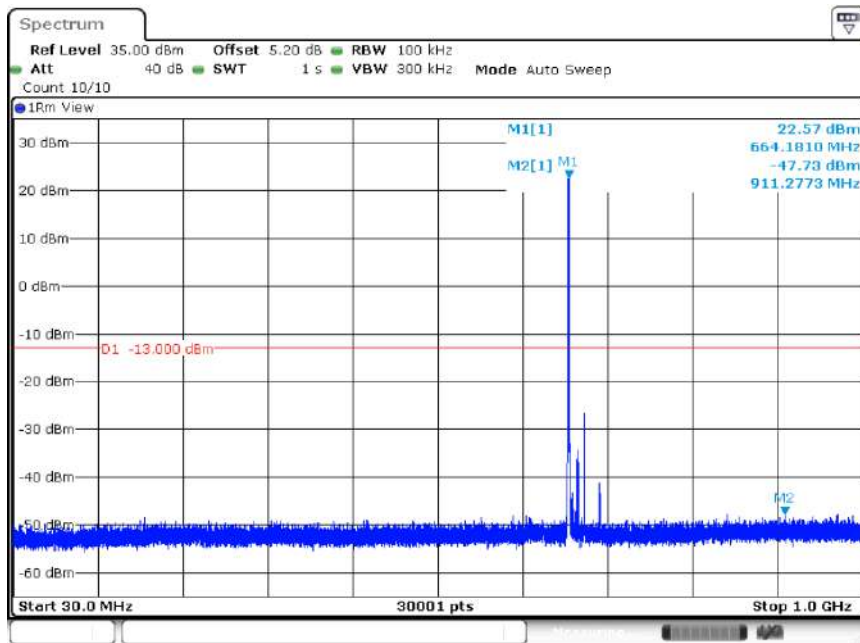
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**Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP 2020 19:00:41

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

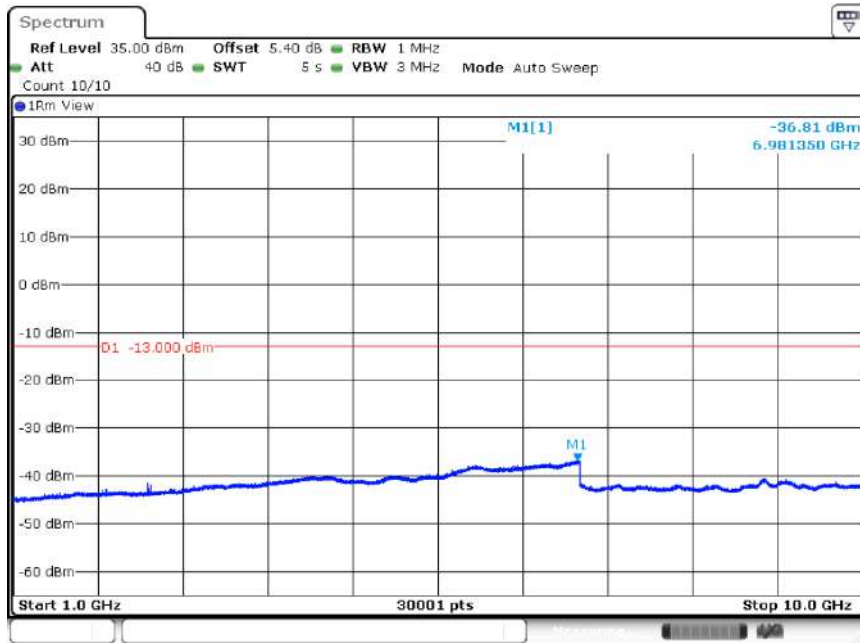


Date: 22 SEP 2020 18:55:00



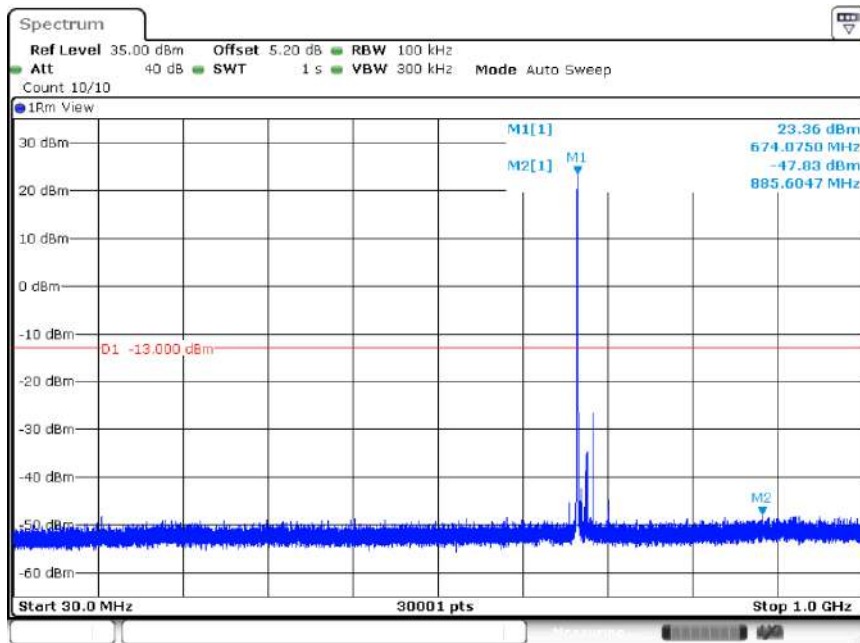
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**Band71-20MHz-16QAM-133222-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP 2020 18:56:08

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

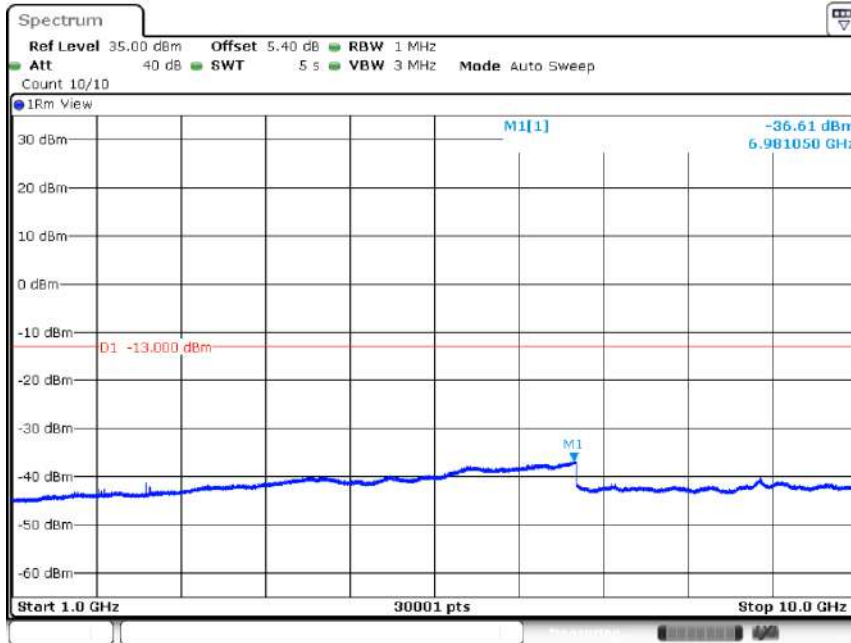


Date: 22 SEP 2020 18:58:02



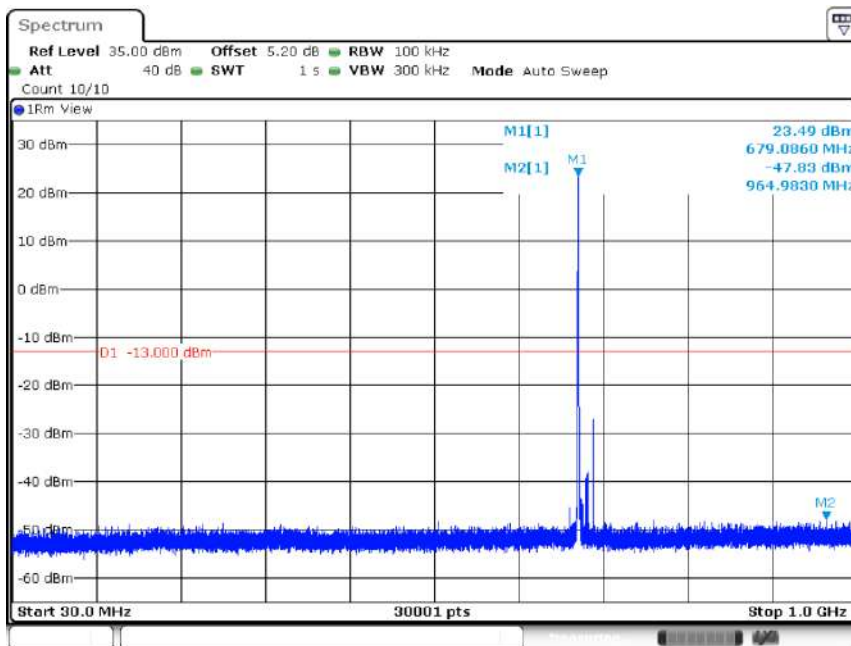
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**Band71-20MHz-16QAM-133322-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP.2020 18:59:10

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

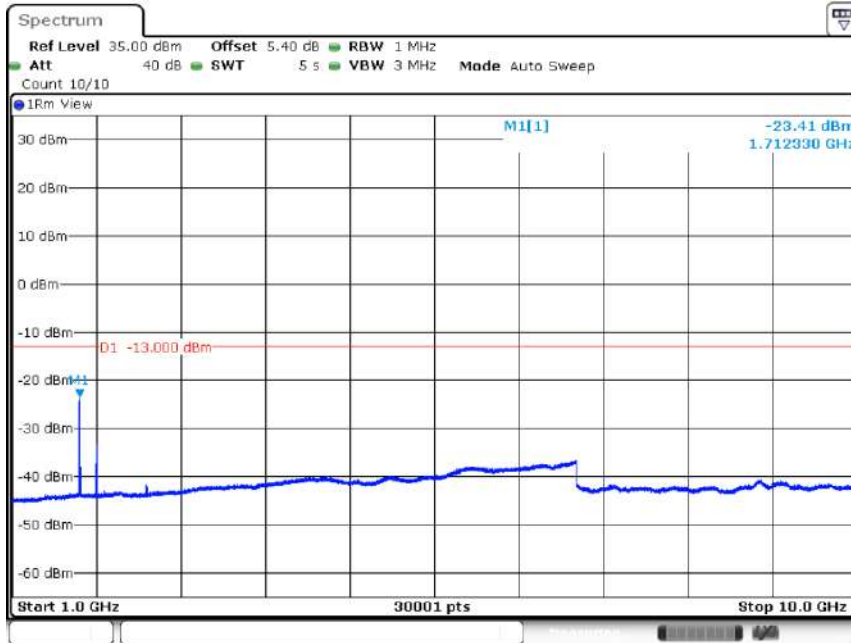


Date: 22 SEP.2020 19:01:04



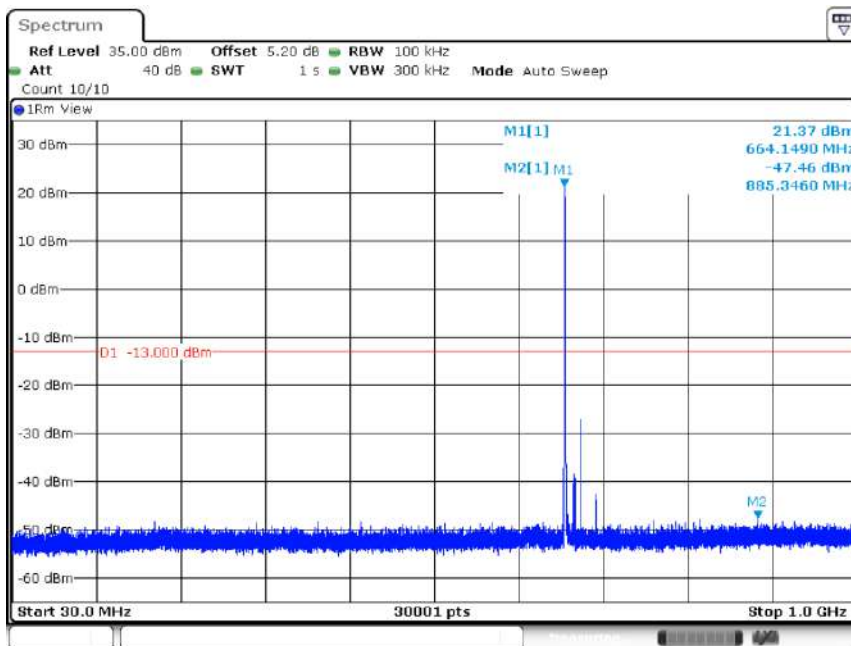
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**Band71-20MHz-16QAM-133372-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP.2020 19:02:12

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

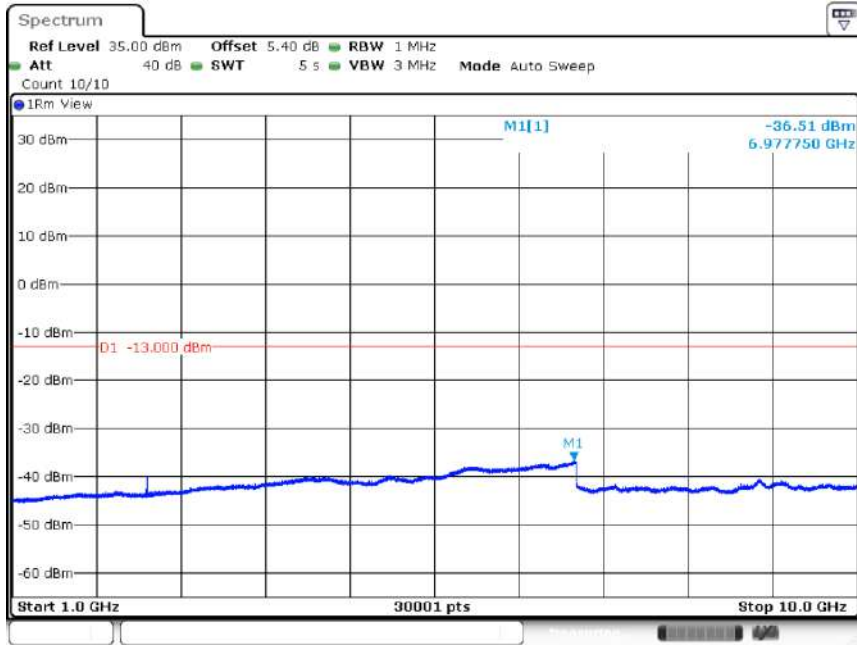


Date: 22 SEP.2020 20:15:04



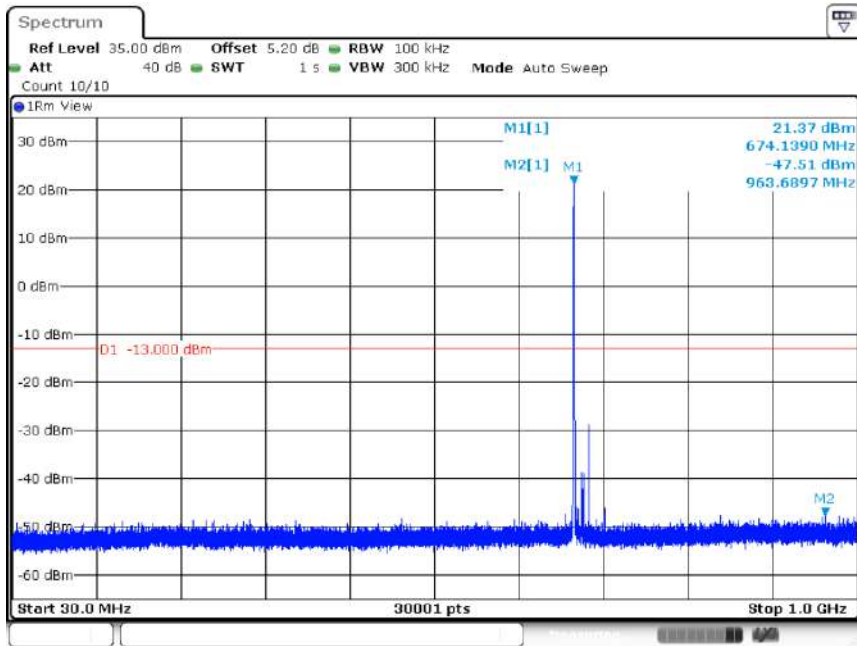
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**Band71-20MHz-64QAM-133222-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP.2020 20:16:12

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

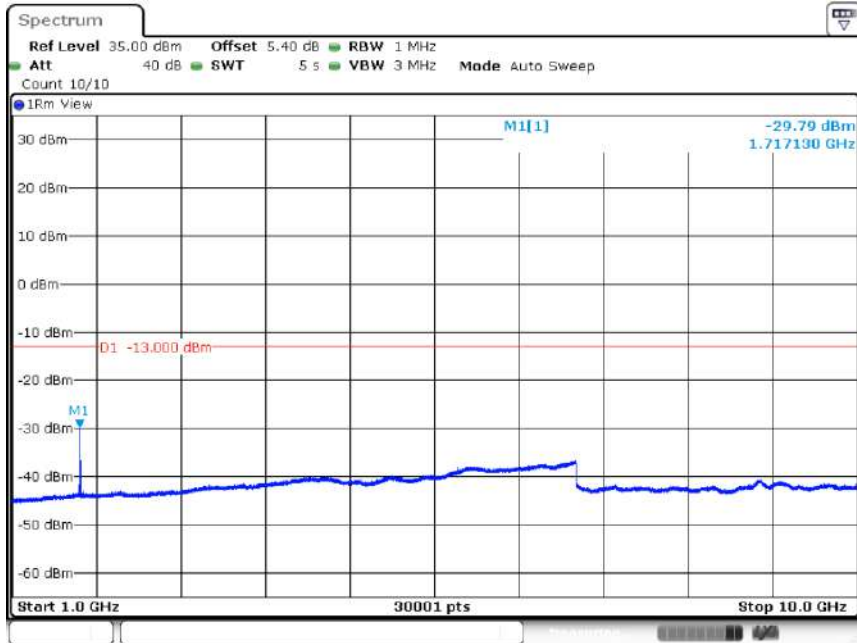


Date: 22 SEP.2020 20:16:35



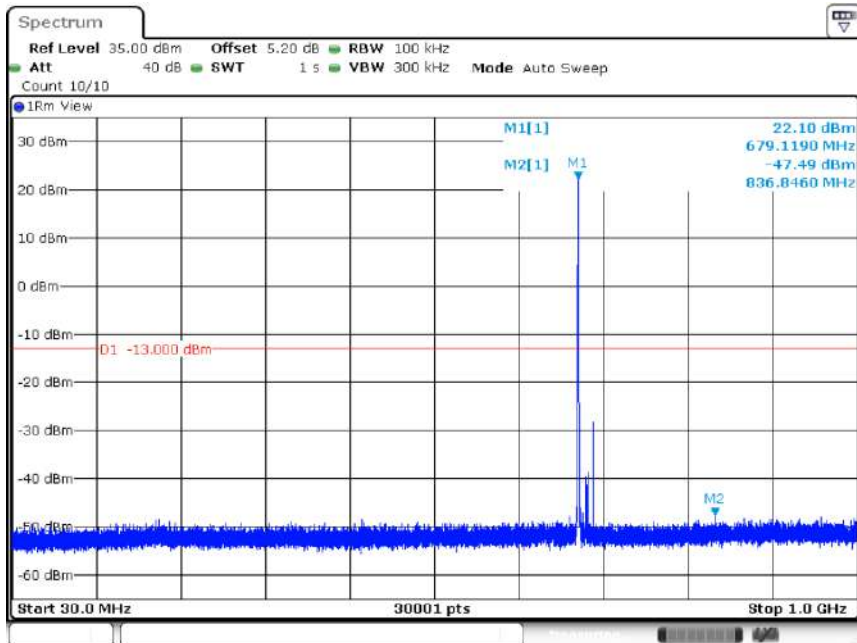
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**Band71-20MHz-64QAM-133322-1RB#0-Range2:1000~10000MHz**



Date: 22 SEP.2020 20:17:44

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

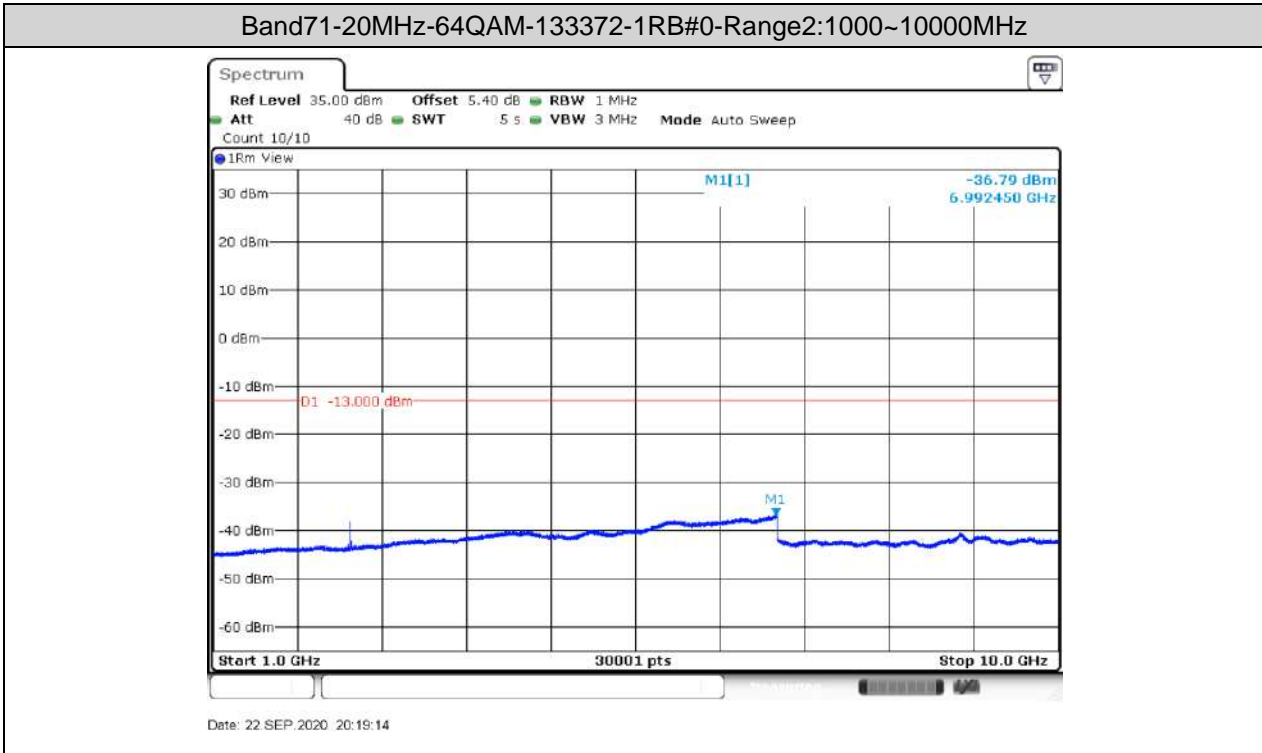


Date: 22 SEP.2020 20:18:06



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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)	Height [cm]	Angle [°]	Polarization
57.066667	-72.30	-13.00	59.30	184	316	Vertical
322.833333	-82.99	-13.00	69.99	174	39	Vertical
1328.000000	-60.82	-13.00	47.82	273	99	Vertical
1992.500000	-50.63	-13.00	37.63	260	108	Vertical
3984.262500	-58.00	-13.00	45.00	160	91	Vertical
7131.075000	-62.80	-13.00	49.80	240	240	Vertical
57.020000	-75.39	-13.00	62.39	172	316	Horizontal
206.633333	-85.40	-13.00	72.40	257	21	Horizontal
477.775000	-78.83	-13.00	65.83	287	0	Horizontal
1328.000000	-62.73	-13.00	49.73	275	32	Horizontal
1992.500000	-54.17	-13.00	41.17	281	65	Horizontal
3984.262500	-55.71	-13.00	42.71	195	229	Horizontal

#### 7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
57.533333	-71.41	-13.00	58.41	283	298	Vertical
334.126667	-83.24	-13.00	70.24	177	243	Vertical
1343.000000	-65.08	-13.00	52.08	252	151	Vertical
2015.000000	-58.75	-13.00	45.75	222	117	Vertical
4029.112500	-63.68	-13.00	50.68	156	62	Vertical
7885.725000	-62.56	-13.00	49.56	283	62	Vertical
56.553333	-71.33	-13.00	58.33	156	319	Horizontal
192.680000	-80.16	-13.00	67.16	169	0	Horizontal
1343.000000	-66.21	-13.00	53.21	284	32	Horizontal
2360.500000	-59.05	-13.00	46.05	215	130	Horizontal
4029.112500	-62.14	-13.00	49.14	255	229	Horizontal
7042.350000	-63.10	-13.00	50.10	259	156	Horizontal



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### 7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
48.340000	-78.21	-13.00	65.21	278	291	Vertical
344.393333	-83.78	-13.00	70.78	227	107	Vertical
1358.000000	-65.42	-13.00	52.42	272	92	Vertical
2037.500000	-58.14	-13.00	45.14	255	109	Vertical
4074.450000	-63.35	-13.00	50.35	180	80	Vertical
7270.500000	-62.96	-13.00	49.96	248	281	Vertical
55.900000	-75.20	-13.00	62.20	184	252	Horizontal
186.753333	-85.03	-13.00	72.03	278	22	Horizontal
477.316667	-78.05	-13.00	65.05	151	1	Horizontal
1358.000000	-65.91	-13.00	52.91	217	14	Horizontal
2716.500000	-56.76	-13.00	43.76	204	231	Horizontal
4074.450000	-59.15	-13.00	46.15	288	237	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

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	3.10	0.004606	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	3.00	0.004458	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-3.10	-0.004539	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	2.00	0.002928	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	0.90	0.001318	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VL	NT	0.80	0.001163	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	3.20	0.004651	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	-0.50	-0.000727	±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	0.10	0.000149	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VH	NT	0.40	0.000594	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VL	NT	2.80	0.004100	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	0.30	0.000439	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	3.80	0.005564	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	0.60	0.000872	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	-0.10	-0.000145	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	1.40	0.002035	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VL	NT	-1.00	-0.001486	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VN	NT	-2.00	-0.002972	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	VH	NT	0.20	0.000297	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VL	NT	-0.80	-0.001171	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VN	NT	-0.50	-0.000732	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	VH	NT	-0.20	-0.000293	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VL	NT	-2.10	-0.003052	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VN	NT	-1.50	-0.002180	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	VH	NT	-2.10	-0.003052	±2.5	PASS



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## 8.2 Frequency Vs Temperature

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	1.70	0.002526	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-20	-3.80	-0.005646	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-10	0.80	0.001189	±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	1.80	0.002675	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	0.50	0.000743	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	-0.70	-0.001040	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	1.70	0.002526	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	0.20	0.000293	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.60	-0.002343	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-0.10	-0.000146	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	0.30	0.000439	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	0.50	0.000732	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	1.30	0.001903	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-2.30	-0.003367	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-1.40	-0.002050	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	-1.60	-0.002326	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	2.30	0.003343	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-10	-2.90	-0.004215	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	-3.10	-0.004506	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	1.50	0.002180	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	-0.80	-0.001163	±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	-2.80	-0.004070	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	50	-2.70	-0.003924	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	2.00	0.002972	±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	-1.30	-0.001932	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	0	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	10	0.50	0.000743	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	20	-3.90	-0.005795	±2.5	PASS



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Band71	20MHz	16QAM	133222	100RB#0	NV	30	1.80	0.002675	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	40	-1.90	-0.002823	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	50	-1.00	-0.001486	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	-0.80	-0.001171	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	-2.70	-0.003953	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-10	-0.60	-0.000878	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	1.80	0.002635	±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	20	1.00	0.001464	±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	40	0.50	0.000732	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	50	1.40	0.002050	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-1.30	-0.001890	±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	-0.20	-0.000291	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	1.20	0.001744	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-2.00	-0.002907	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	2.60	0.003779	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	30	0.10	0.000145	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	40	0.80	0.001163	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	50	1.70	0.002471	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-30	-0.10	-0.000149	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-20	-0.90	-0.001337	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	-10	3.60	0.005349	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	0	-0.60	-0.000892	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	10	-1.20	-0.001783	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	20	3.40	0.005052	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	30	0.50	0.000743	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	40	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	64QAM	133222	100RB#0	NV	50	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-30	2.30	0.003367	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-20	-1.00	-0.001464	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	-10	-1.10	-0.001611	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	0	-1.60	-0.002343	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	10	0.10	0.000146	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	20	0.10	0.000146	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	30	0.70	0.001025	±2.5	PASS



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Band71	20MHz	64QAM	133322	100RB#0	NV	40	-1.20	-0.001757	±2.5	PASS
Band71	20MHz	64QAM	133322	100RB#0	NV	50	-0.10	-0.000146	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-30	-2.30	-0.003343	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	-20	-3.00	-0.004360	±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	0	-3.00	-0.004360	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	10	-2.90	-0.004215	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	20	-2.30	-0.003343	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	30	-0.70	-0.001017	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	40	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	64QAM	133372	100RB#0	NV	50	-1.40	-0.002035	±2.5	PASS

The End



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