



Appendix B

E-UTRA Band 71



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.31	18.36	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.24	18.29	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.58	18.63	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.33	17.38	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.31	17.36	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.50	17.55	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.46	17.51	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.52	18.57	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.44	18.49	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.10	18.15	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.58	17.63	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.35	17.40	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.50	17.55	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.48	17.53	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.06	18.11	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.48	18.53	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.19	18.24	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.55	17.60	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.38	17.43	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.38	17.43	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.55	17.60	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.83	16.88	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.41	17.46	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.93	16.98	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.45	16.50	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.27	16.32	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.42	16.47	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.58	16.63	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.99	17.04	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.18	17.23	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.92	16.97	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.15	16.20	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.30	16.35	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.30	16.35	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.65	16.70	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.43	17.48	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.89	16.94	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.26	17.31	34.77	PASS



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Band71	5MHz	16QAM	133447	12RB#0	21.39	16.44	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.28	16.33	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.26	16.31	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.38	16.43	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.63	18.68	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.85	18.90	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.38	18.43	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.09	17.14	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.53	17.58	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.81	17.86	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.46	17.51	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.68	18.73	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.32	18.37	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.09	18.14	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.49	17.54	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.80	17.85	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.24	17.29	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.58	17.63	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.46	18.51	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.31	18.36	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.25	18.30	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.65	17.70	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.55	17.60	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.57	17.62	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.44	17.49	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.31	17.36	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.07	17.12	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.22	17.27	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.60	16.65	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.52	16.57	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.53	16.58	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.56	16.61	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.93	16.98	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.38	17.43	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.96	17.01	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.57	16.62	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.71	16.76	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.51	16.56	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.53	16.58	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.98	17.03	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	21.98	17.03	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.00	17.05	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.63	16.68	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.48	16.53	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.37	16.42	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.42	16.47	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.39	18.44	34.77	PASS



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Band71	15MHz	QPSK	133197	1RB#38	23.74	18.79	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.45	18.50	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#0	22.36	17.41	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#18	22.59	17.64	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#39	22.58	17.63	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.35	17.40	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.72	18.77	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.42	18.47	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.94	17.99	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#0	22.76	17.81	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#18	22.22	17.27	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#39	22.40	17.45	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.54	17.59	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.15	18.20	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.17	18.22	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.24	18.29	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#0	22.46	17.51	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#18	22.48	17.53	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#39	22.65	17.70	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.36	17.41	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.52	17.57	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.05	17.10	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.15	17.20	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#18	21.62	16.67	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#0	21.55	16.60	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#39	21.62	16.67	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.49	16.54	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.03	17.08	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.95	17.00	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.83	16.88	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#39	21.57	16.62	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#0	21.51	16.56	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#18	21.54	16.59	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.46	16.51	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.40	17.45	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.44	17.49	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.32	17.37	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#0	21.47	16.52	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#18	21.58	16.63	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#39	21.56	16.61	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.35	16.40	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.54	17.59	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.03	19.08	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.27	18.32	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.79	17.84	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.86	17.91	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.25	17.30	34.77	PASS



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Band71	20MHz	QPSK	133222	100RB#0	22.56	17.61	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.50	18.55	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.20	18.25	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.17	18.22	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.39	17.44	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.74	17.79	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.43	17.48	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.52	17.57	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.64	18.69	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.17	18.22	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.86	17.91	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.61	17.66	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.41	17.46	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.59	17.64	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.47	17.52	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.97	17.02	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.29	17.34	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.60	17.65	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.51	16.56	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.53	16.58	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.53	16.58	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.56	16.61	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.01	17.06	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.03	17.08	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	21.98	17.03	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.47	16.52	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.58	16.63	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.46	16.51	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.53	16.58	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.11	17.16	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.45	17.50	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.16	17.21	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.43	16.48	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.45	16.50	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.59	16.64	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.40	16.45	34.77	PASS

Remark:

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

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

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



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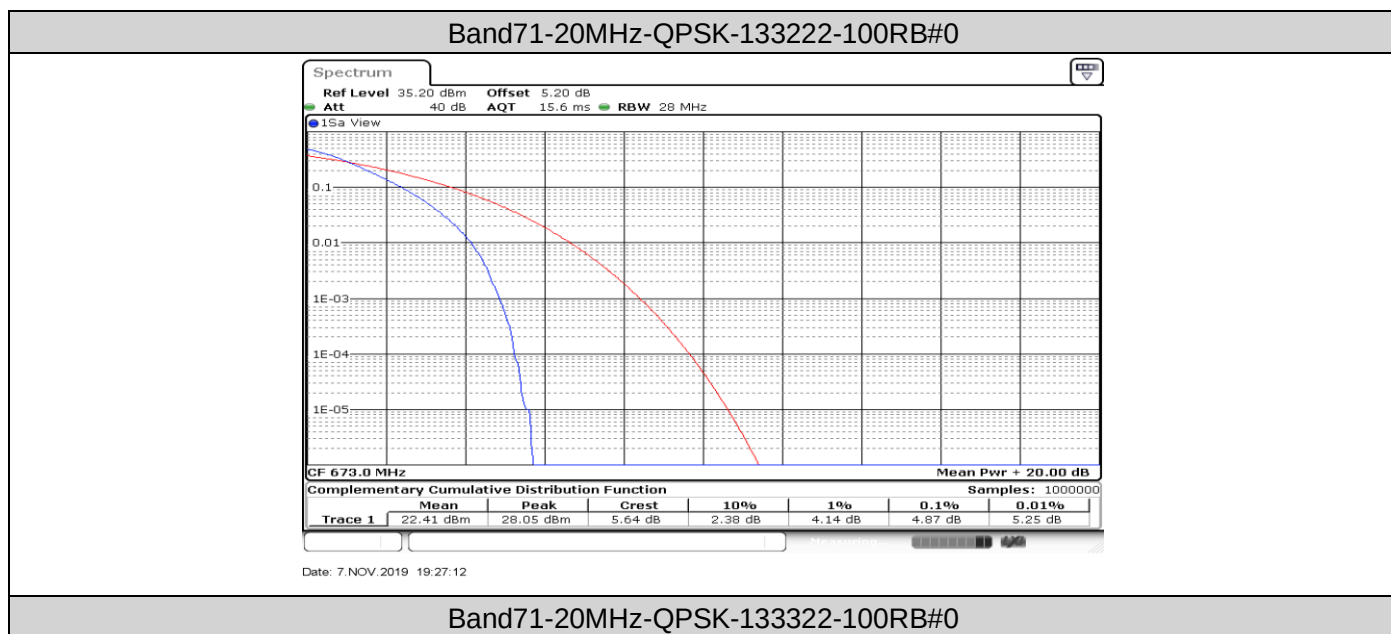


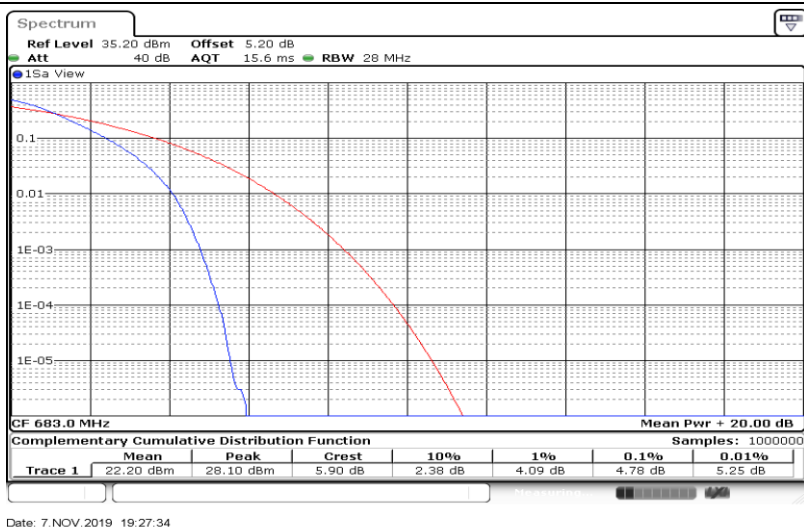
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

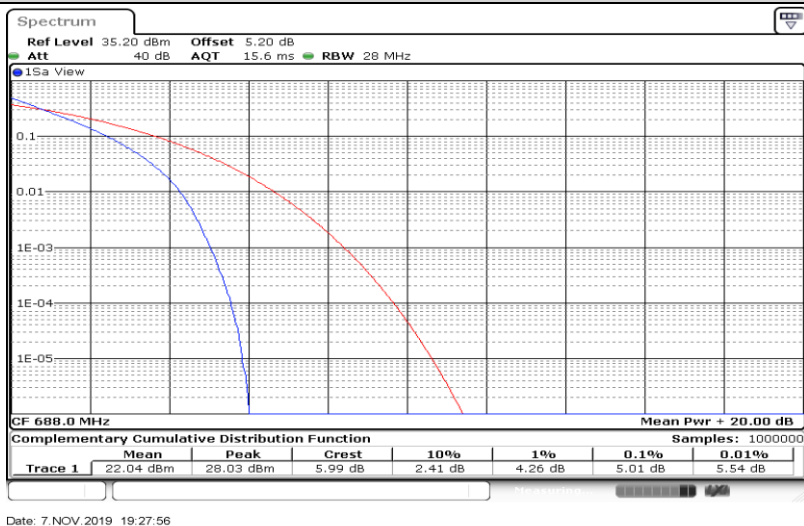
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	4.87	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.78	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.01	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.74	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.71	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.83	13	PASS

2.2. Test Plots



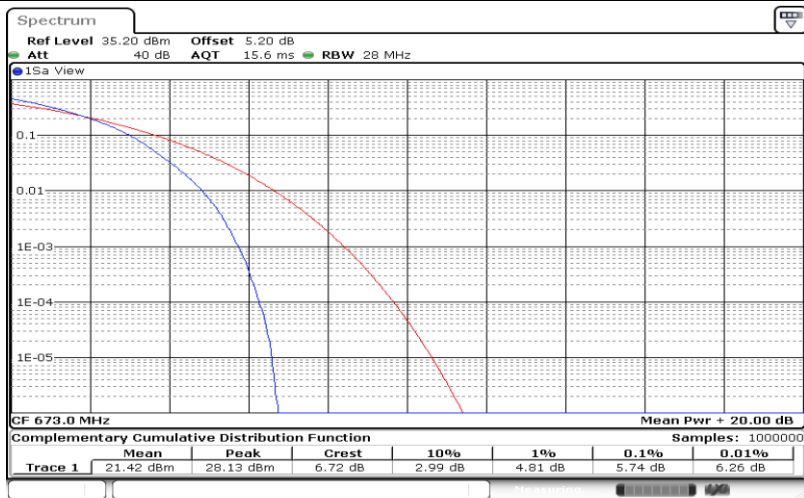


Band71-20MHz-QPSK-133372-100RB#0



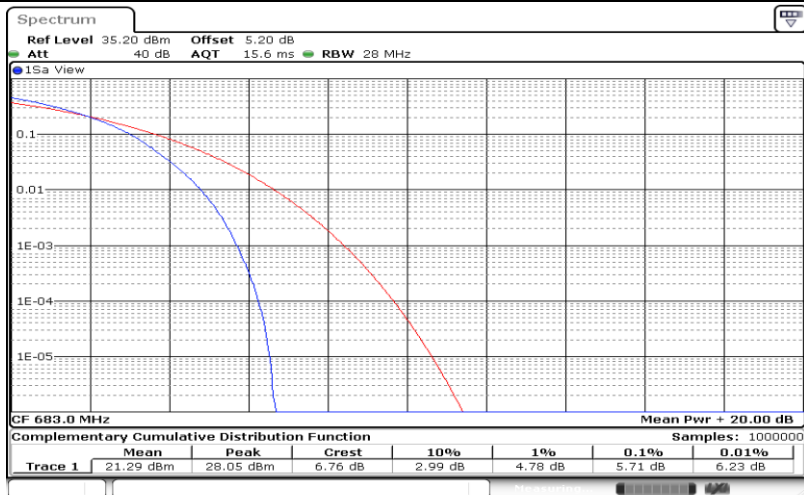
Band71-20MHz-16QAM-133222-100RB#0





Date: 7 NOV. 2019 19:27:23

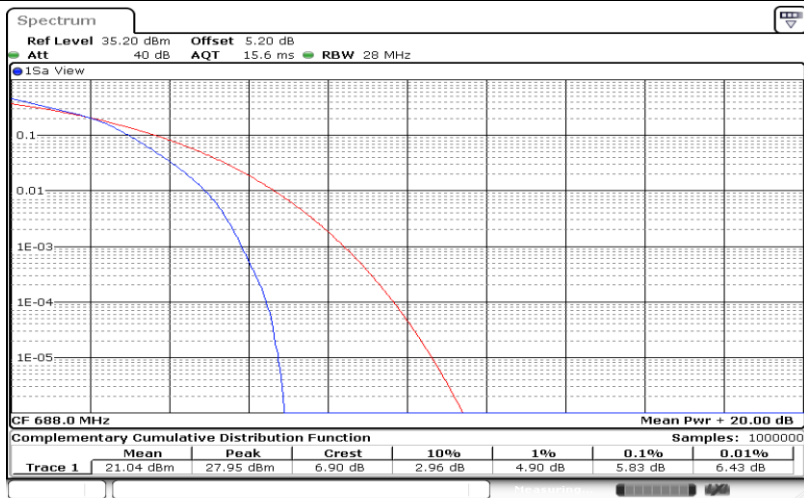
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Date: 7 NOV. 2019 19:27:45

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





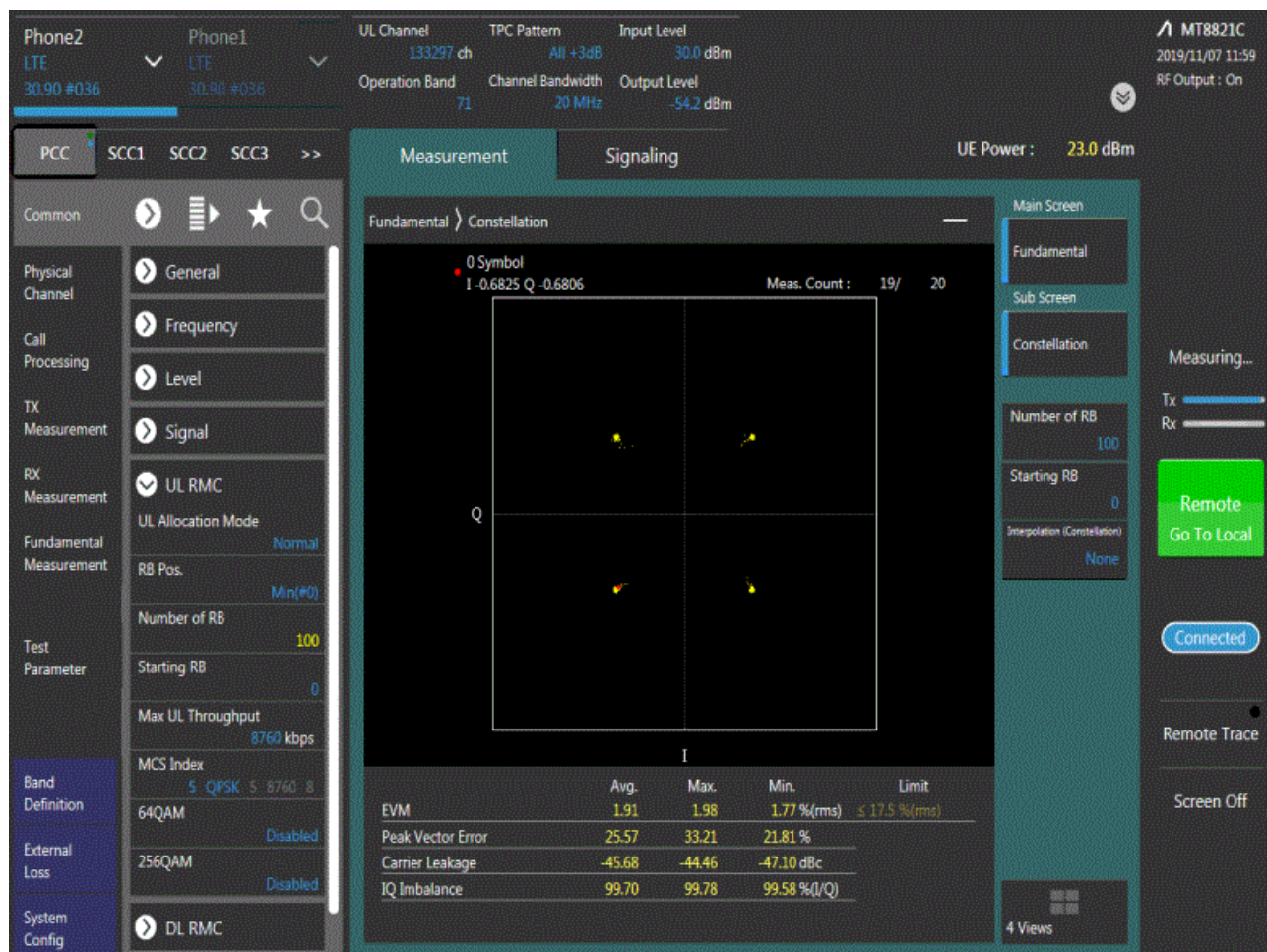
Date: 7 NOV. 2019 19:28:07



3. Modulation Characteristics

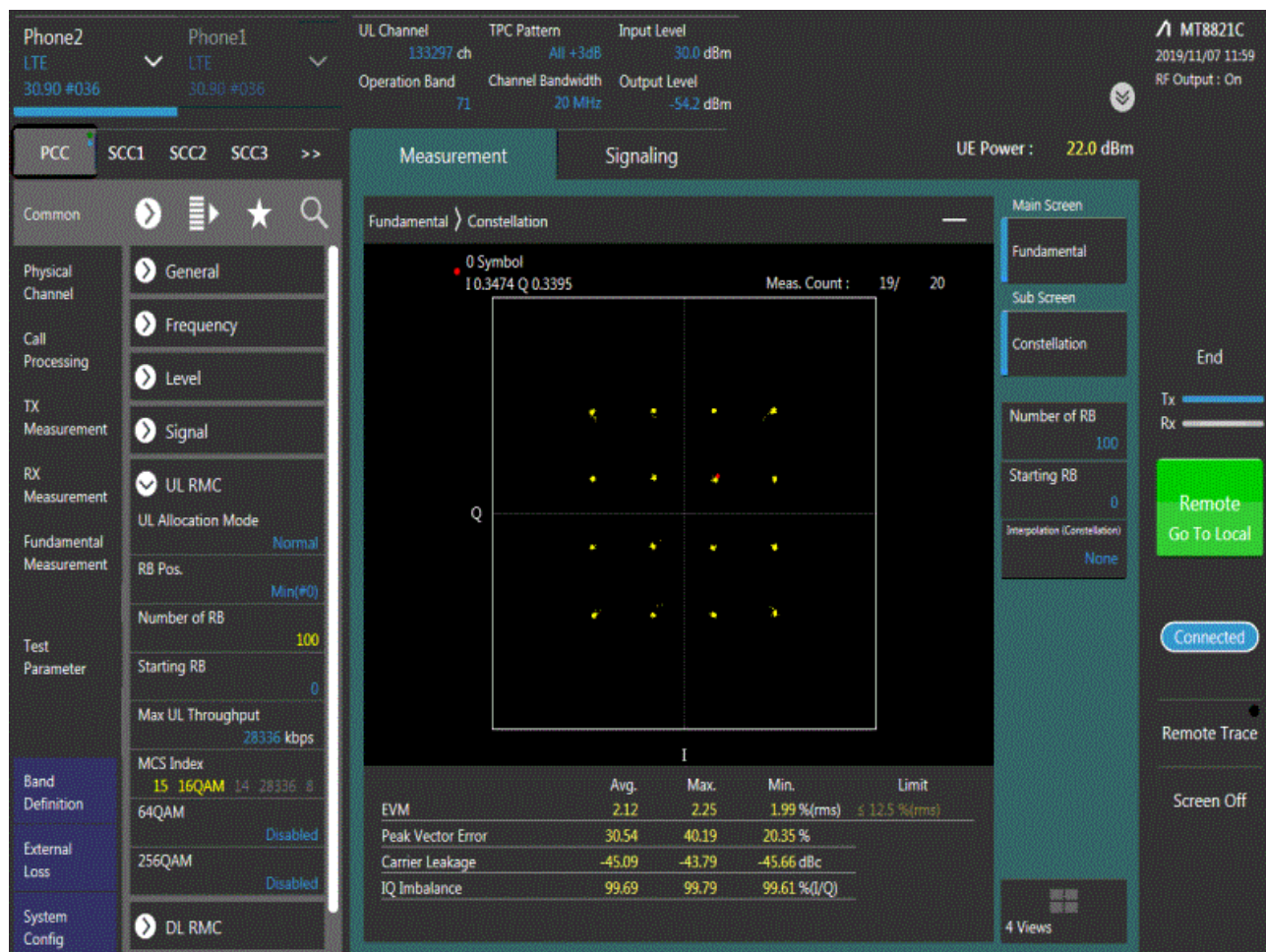
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

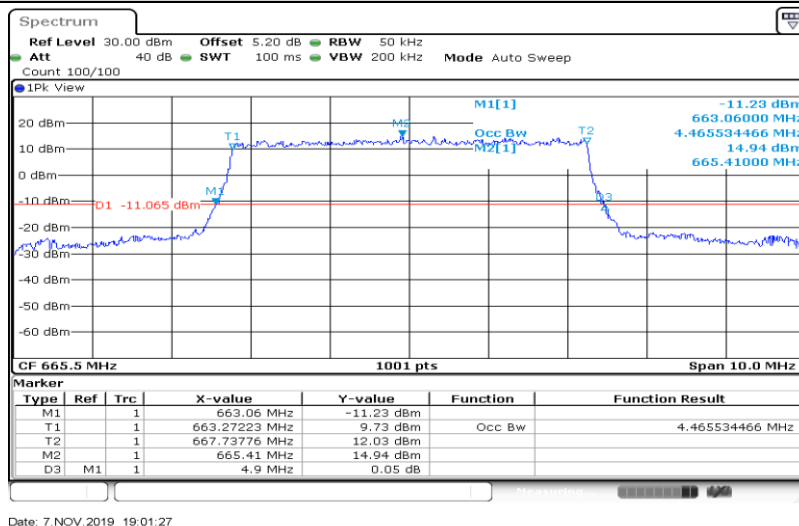
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.466	4.900	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.910	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.466	4.900	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.486	4.970	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.476	4.960	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.486	4.950	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.911	9.720	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.911	9.680	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.911	9.720	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.911	9.760	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.911	9.720	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.931	9.680	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.457	14.850	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.367	14.700	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.457	14.880	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.427	14.700	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.367	14.700	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.457	14.760	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.822	19.400	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.782	19.320	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.902	19.440	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.822	19.200	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.822	19.280	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.902	19.400	PASS



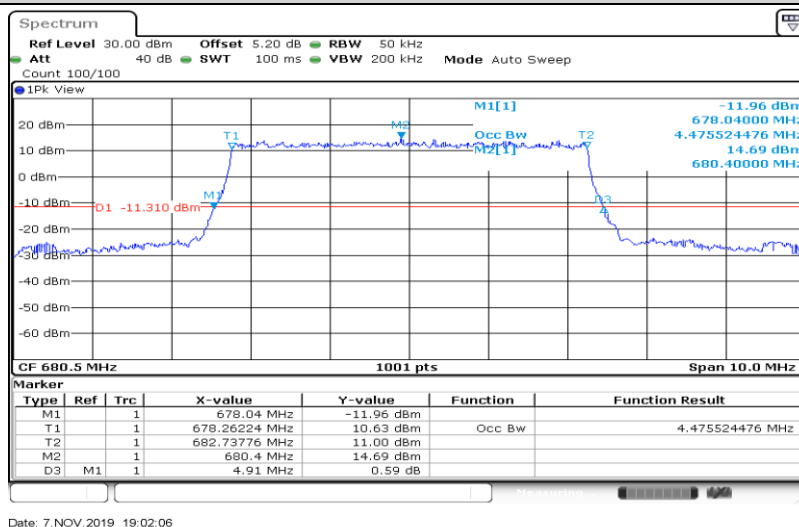


4.2. Test Plots

Band71-5MHz-QPSK-133147-25RB#0-4.466



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



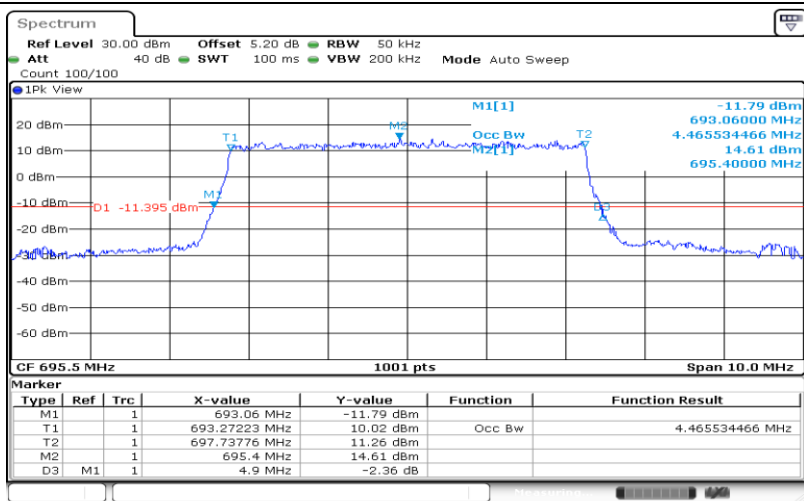
Band71-5MHz-QPSK-133447-25RB#0-4.466



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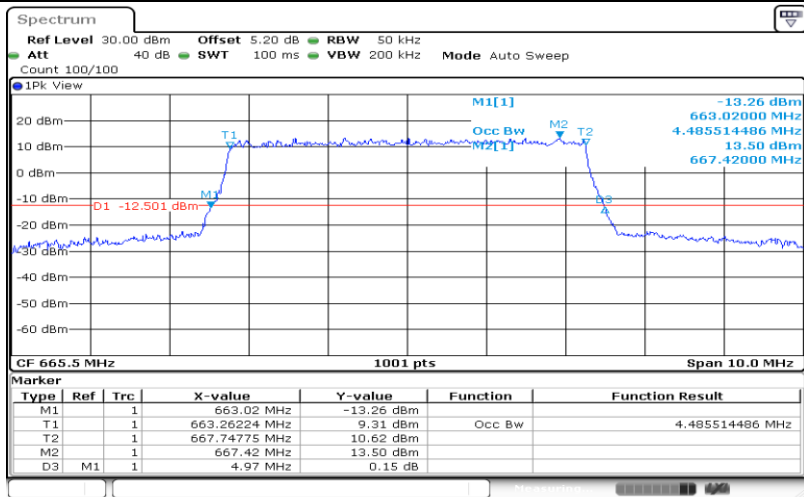
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Date: 7.NOV.2019 19:02:46

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



Date: 7.NOV.2019 19:01:47

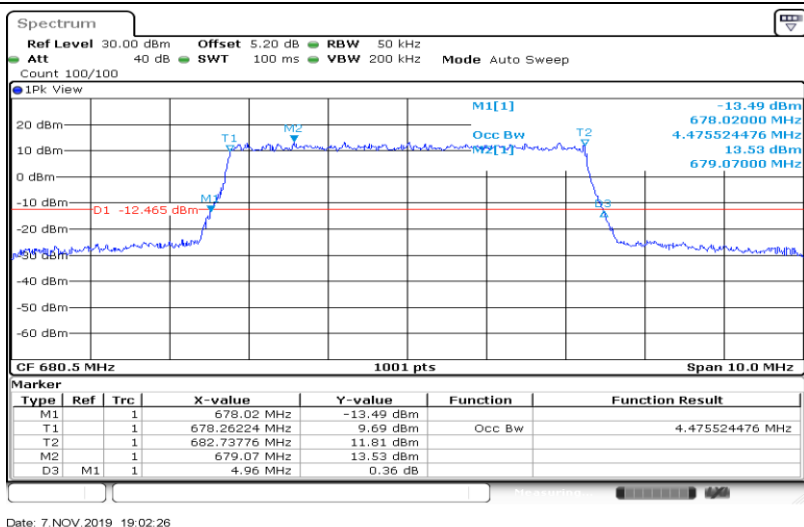
Band71-5MHz-16QAM-133297-25RB#0-4.476

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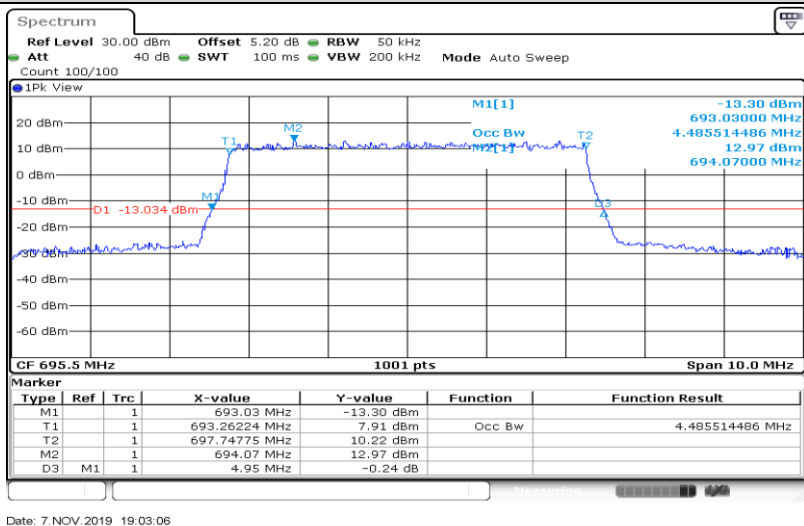
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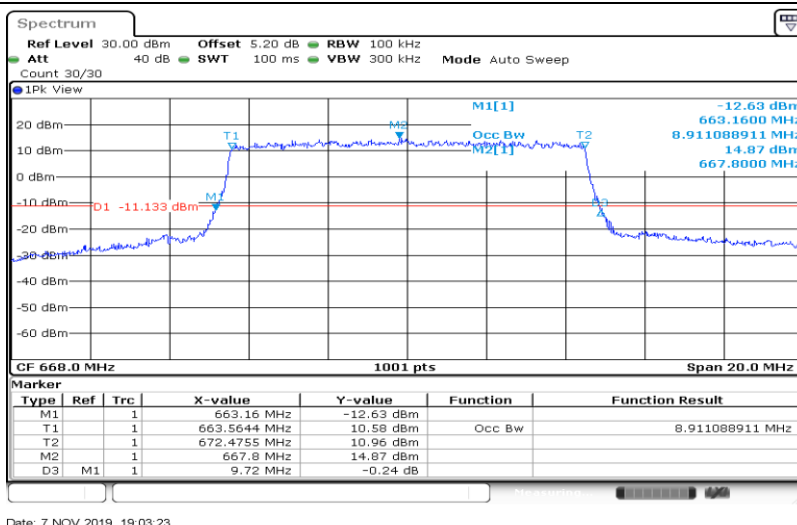


Band71-5MHz-16QAM-133447-25RB#0-4.486

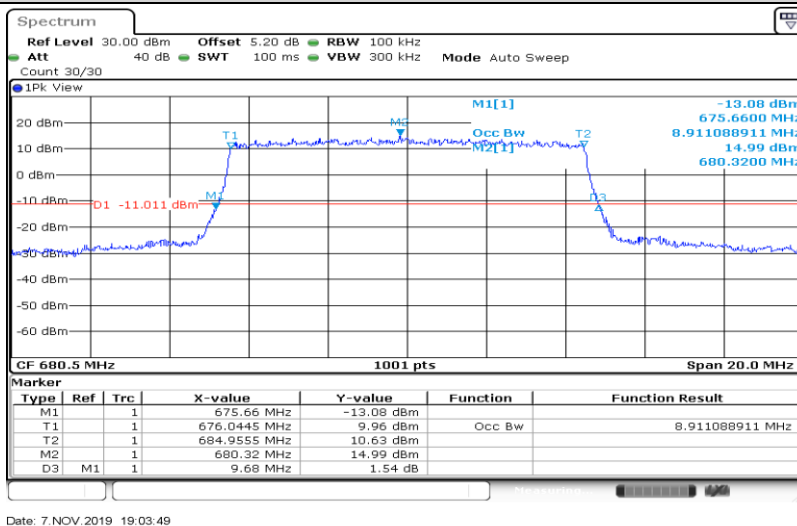


Band71-10MHz-QPSK-133172-50RB#0-8.911



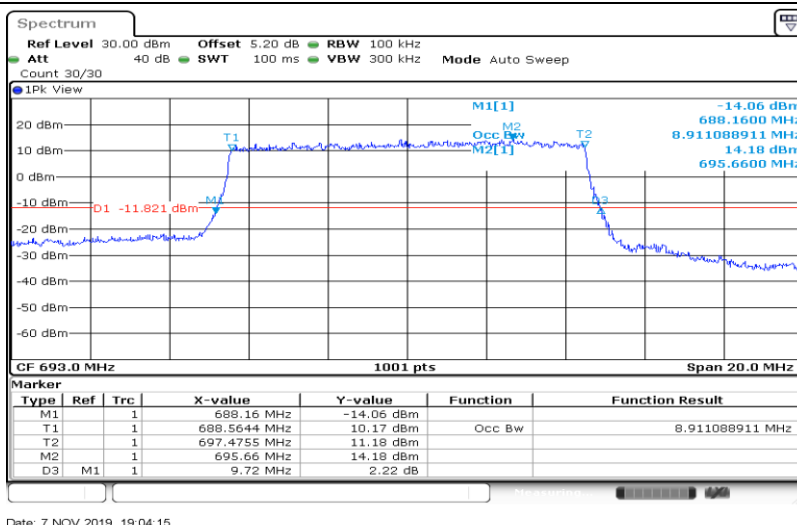


Band71-10MHz-QPSK-133297-50RB#0-8.911

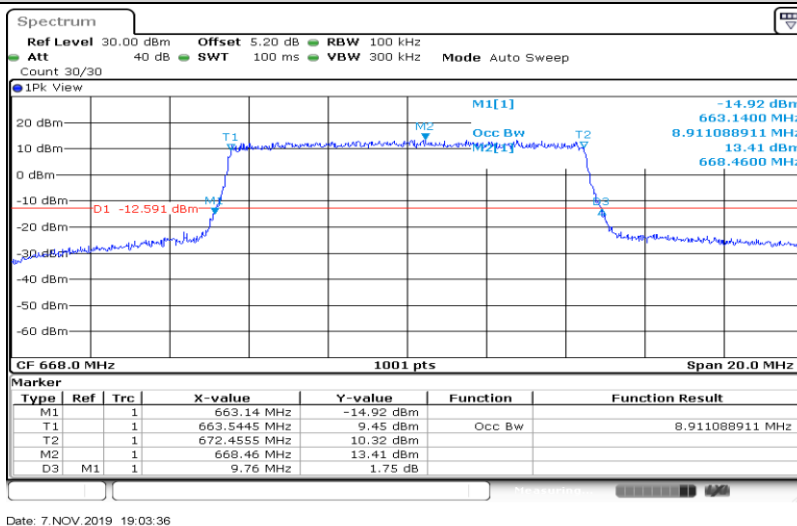


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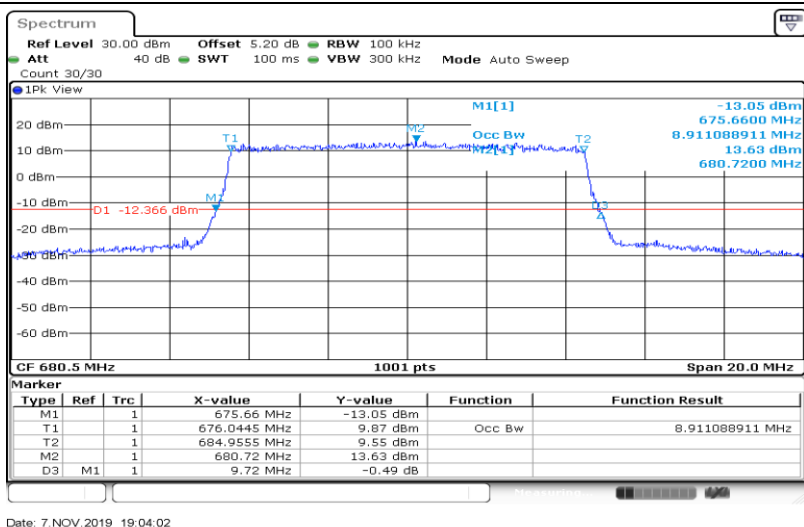


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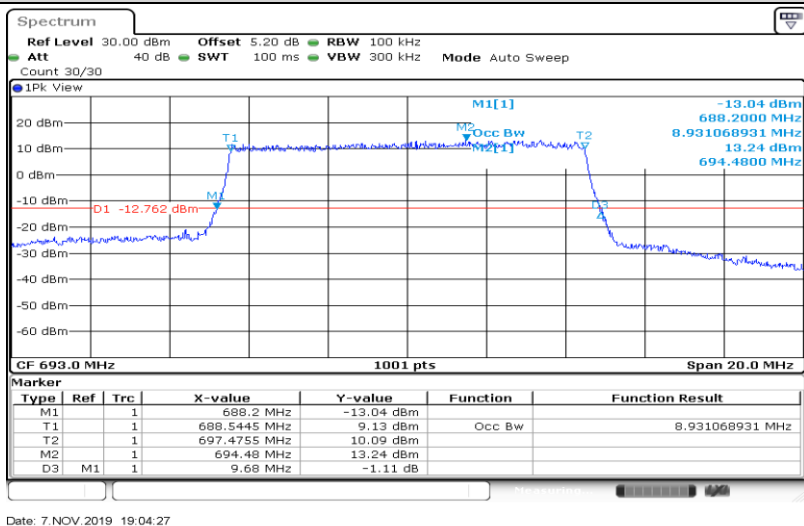


Band71-10MHz-16QAM-133297-50RB#0-8.911



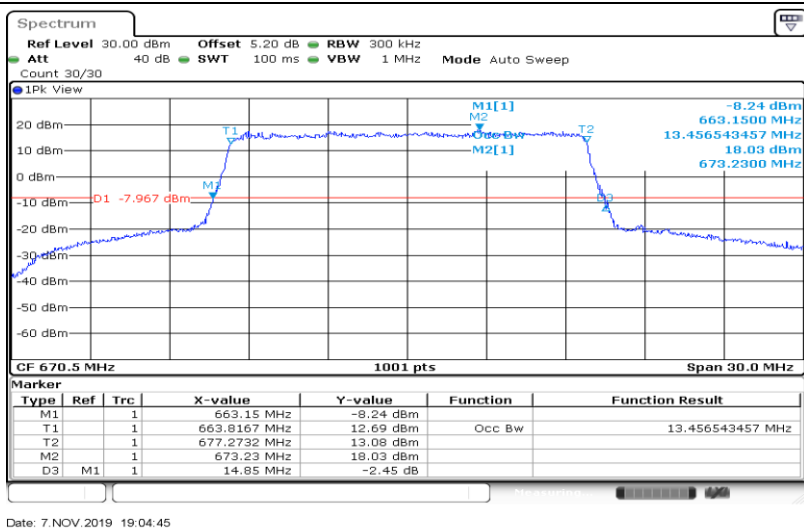


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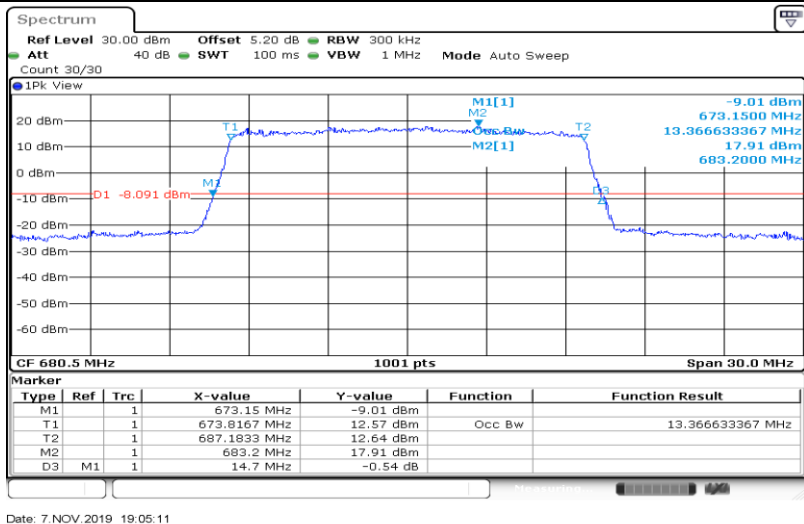


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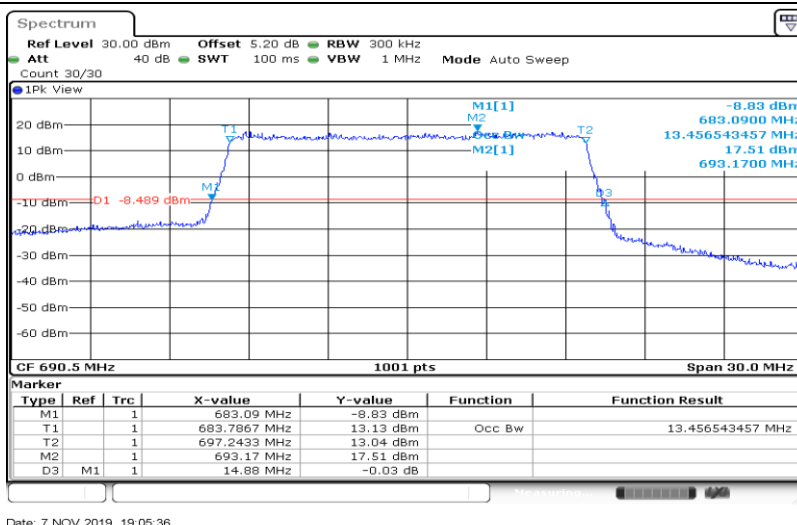


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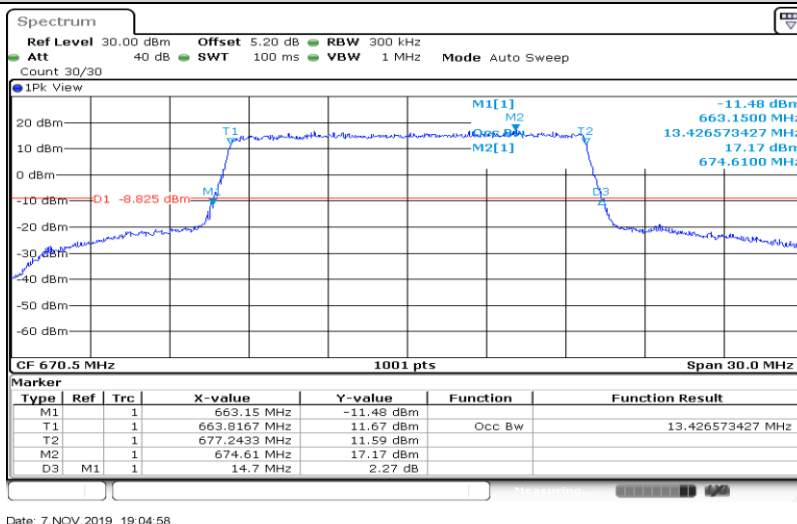


Band71-15MHz-QPSK-133397-75RB#0-13.457





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

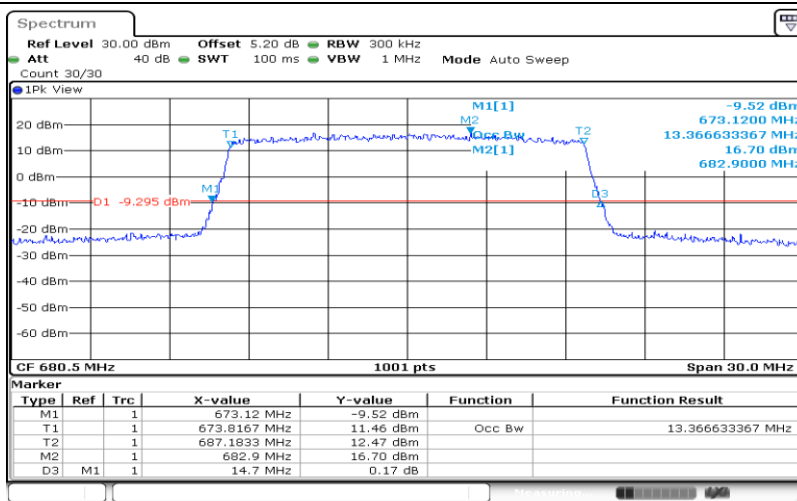


Band71-15MHz-16QAM-133297-75RB#0-13.367



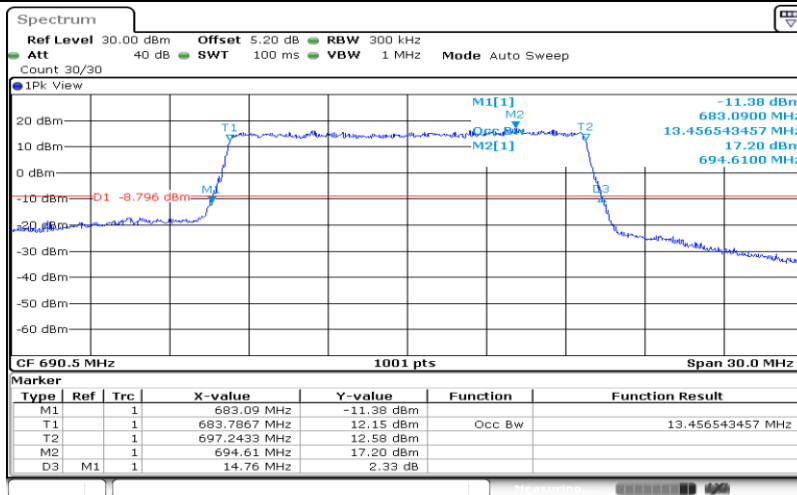
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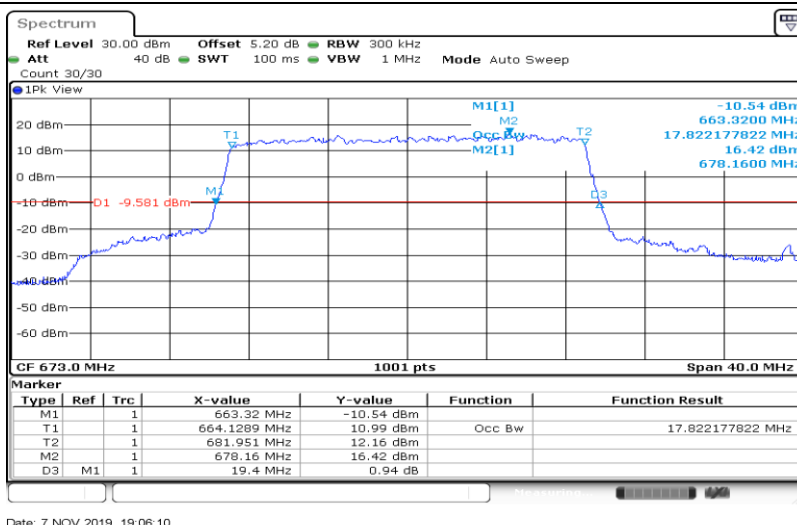
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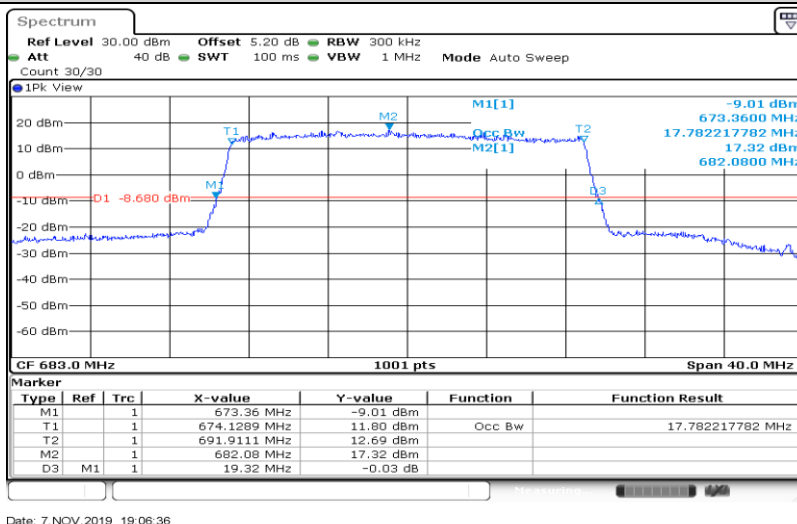
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Band71-20MHz-QPSK-133222-100RB#0-17.822





Band71-20MHz-QPSK-133322-100RB#0-17.782

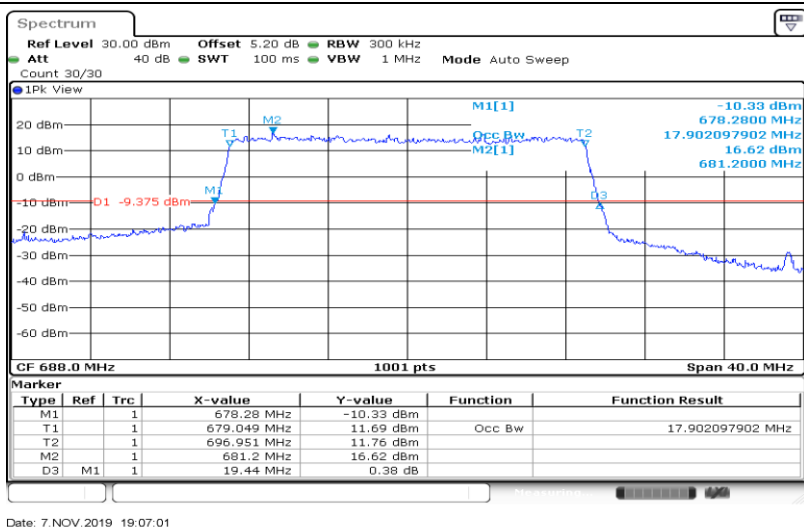


Band71-20MHz-QPSK-133372-100RB#0-17.902

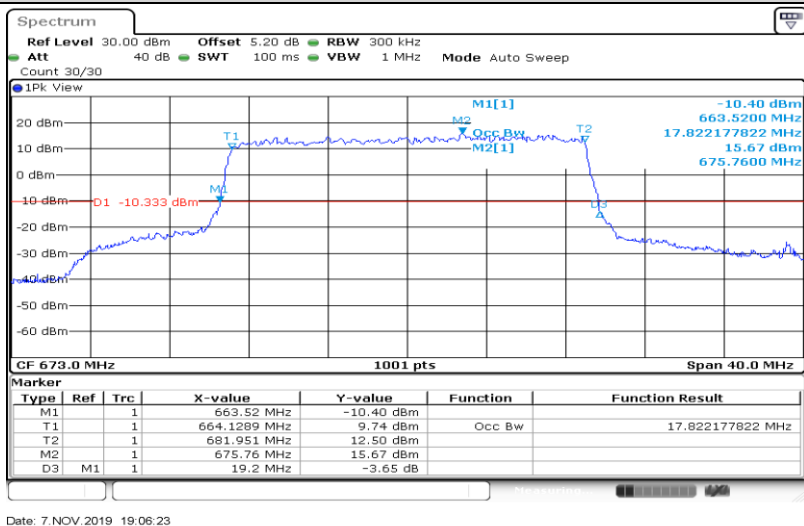


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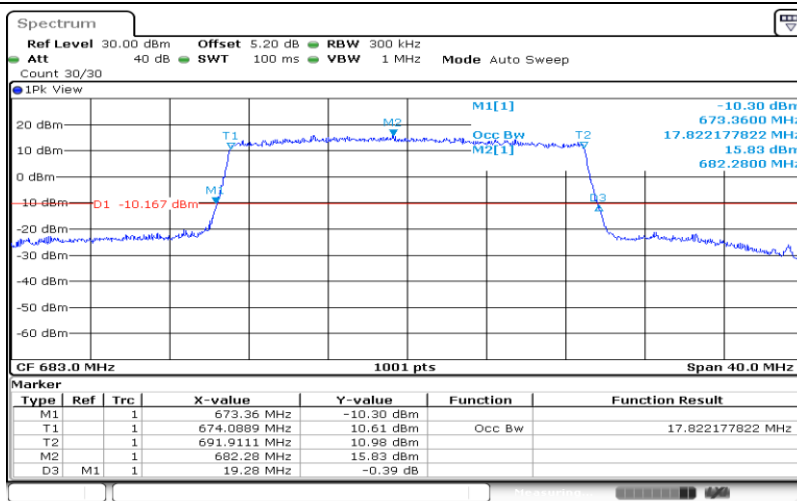


Band71-20MHz-16QAM-133222-100RB#0-17.822



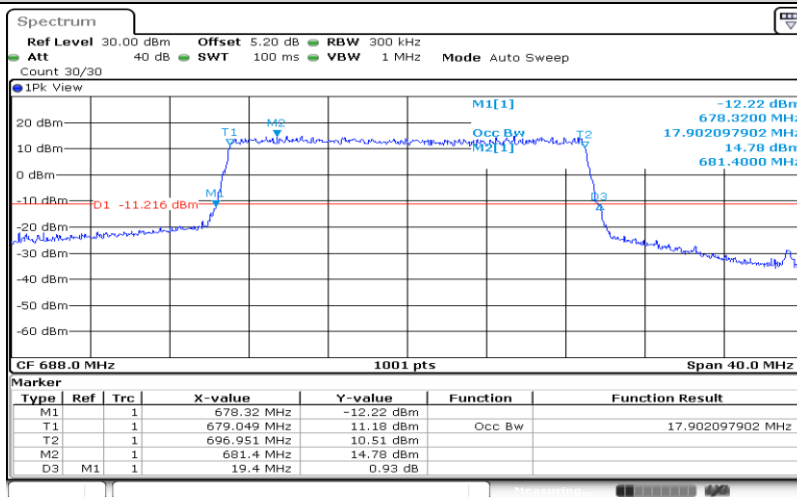
Band71-20MHz-16QAM-133322-100RB#0-17.822





Date: 7.NOV.2019 19:06:48

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



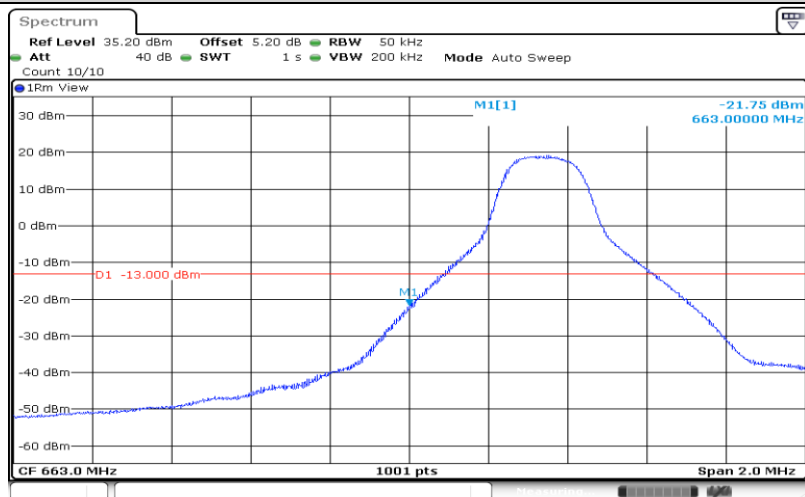
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5. Band Edge Compliance

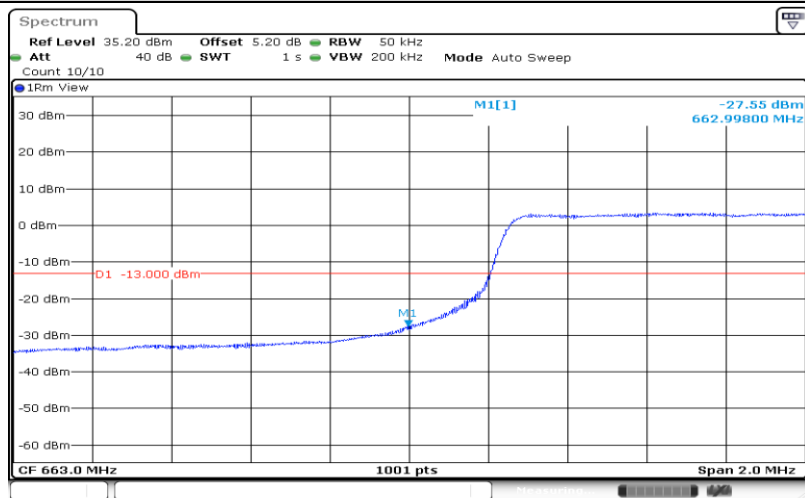
5.1. Test Plots

Band71-5MHz-QPSK-133147-1RB#0



Date: 7 NOV. 2019 19:07:38

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



Date: 7 NOV. 2019 19:08:17

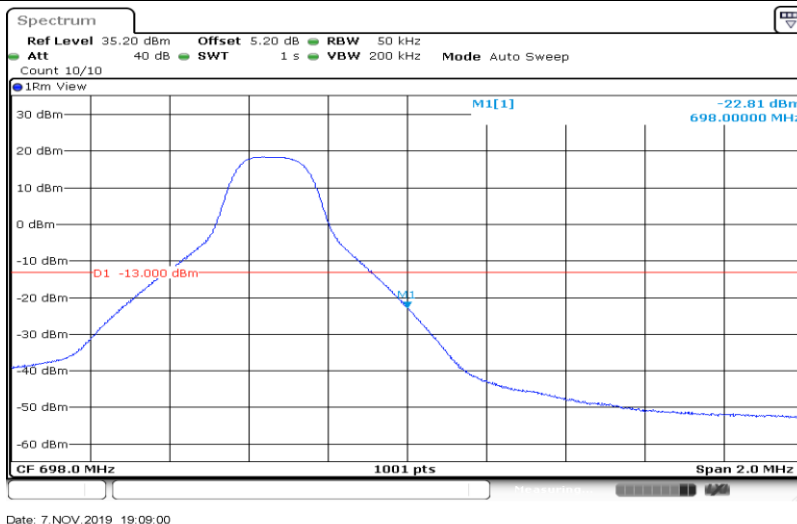
Band71-5MHz-QPSK-133447-1RB#24



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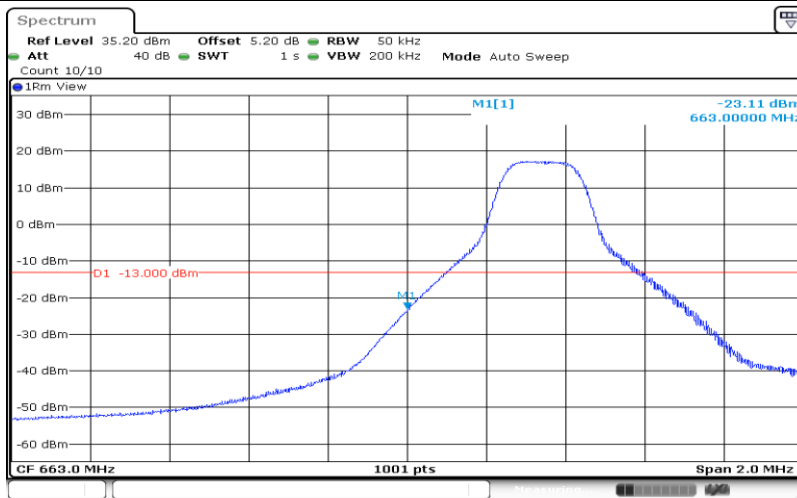


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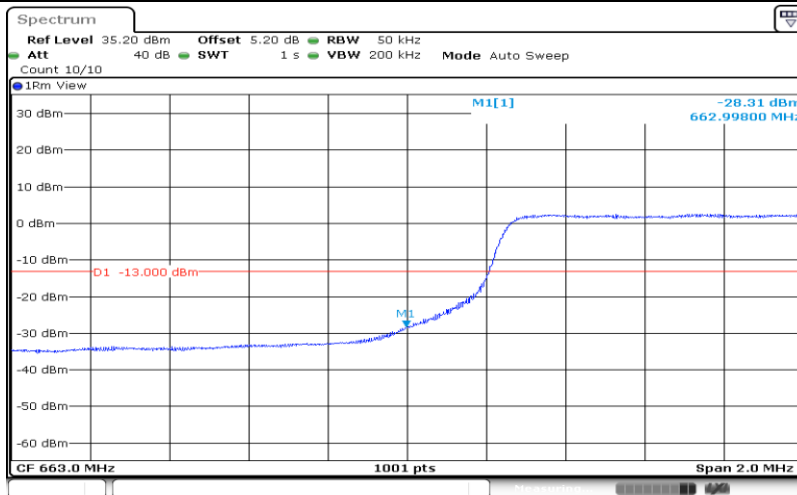
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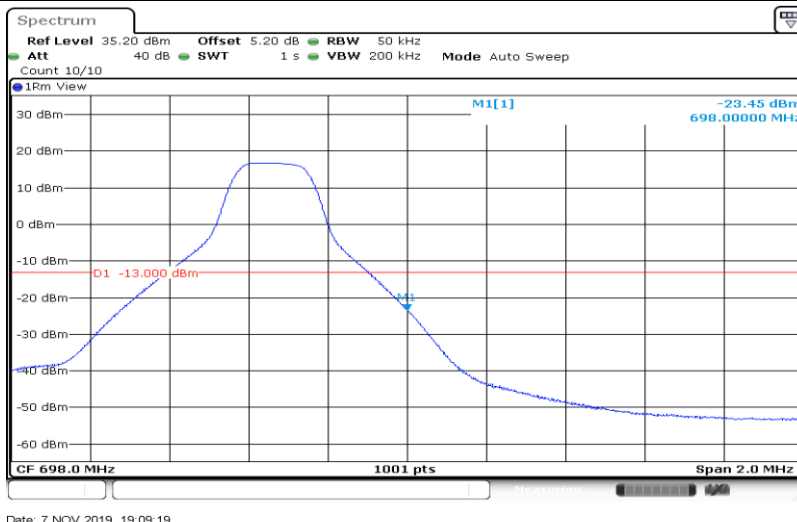
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Band71-5MHz-16QAM-133447-1RB#24



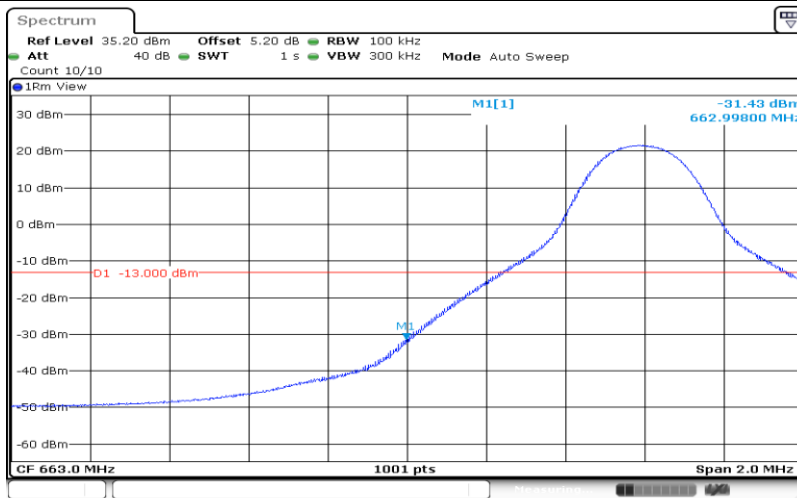


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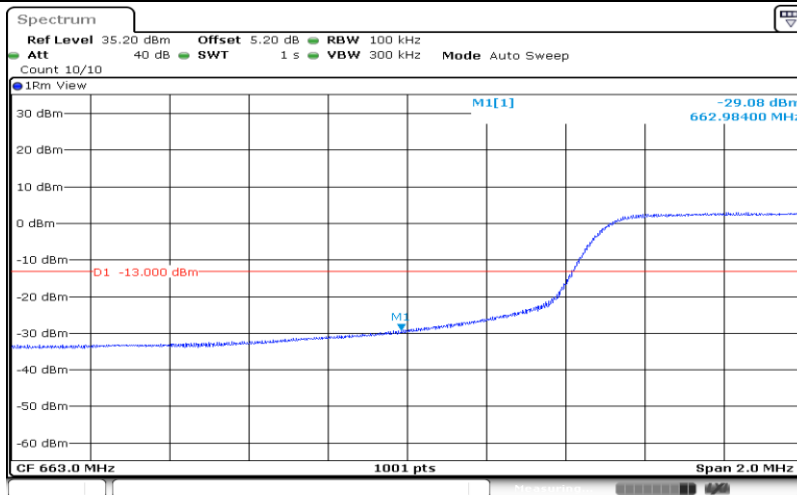


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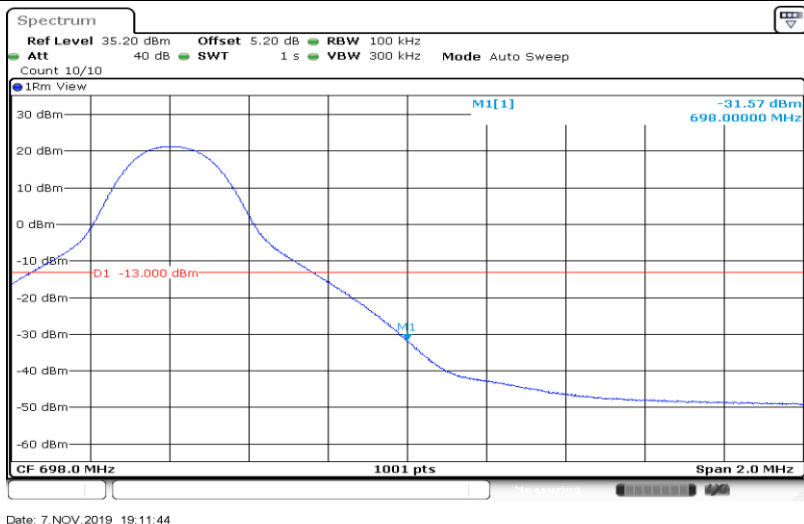


Band71-10MHz-QPSK-133172-50RB#0



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



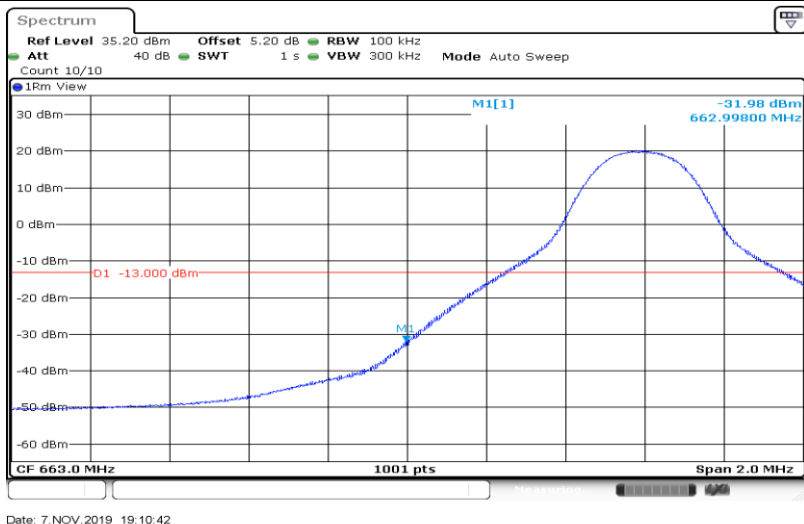


Band71-10MHz-QPSK-133422-50RB#0

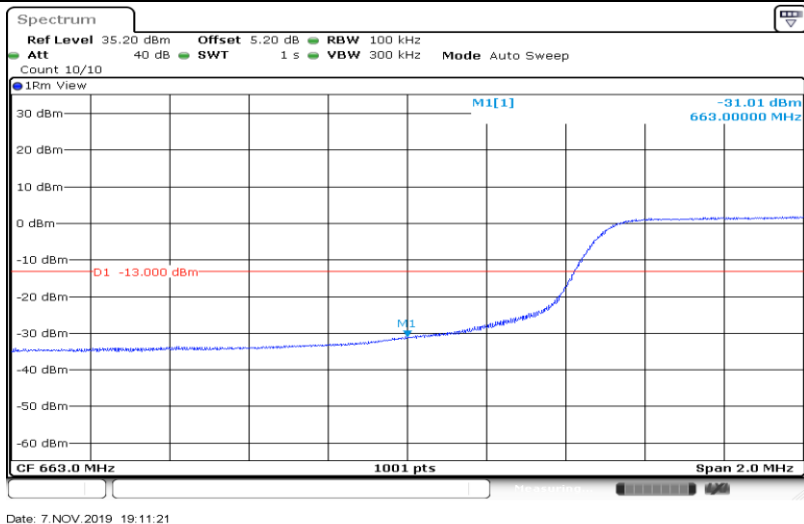


Band71-10MHz-16QAM-133172-1RB#0





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



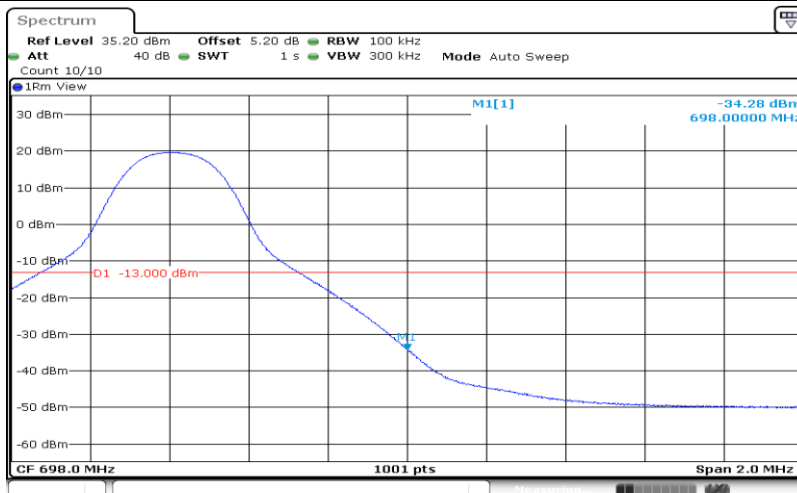
Band71-10MHz-16QAM-133422-1RB#49



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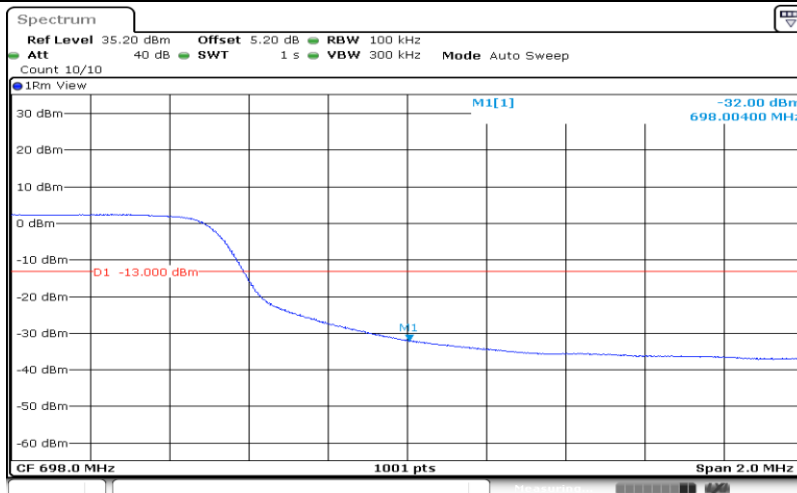
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Date: 7.NOV.2019 19:12:04

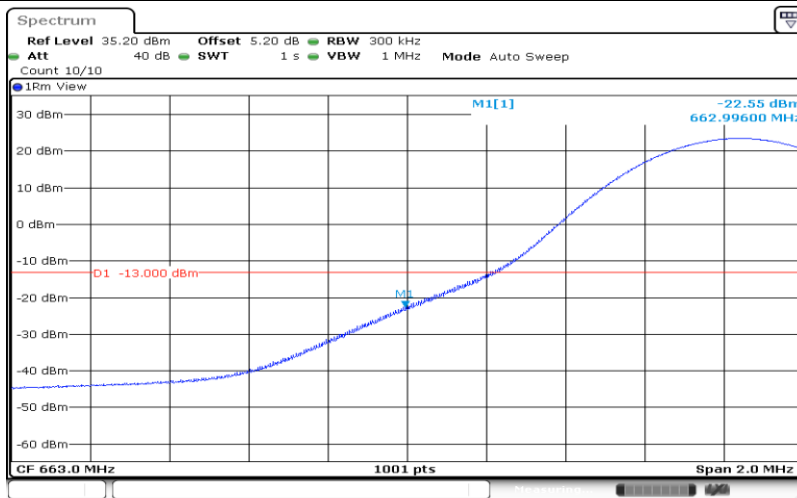
Band71-10MHz-16QAM-133422-50RB#0



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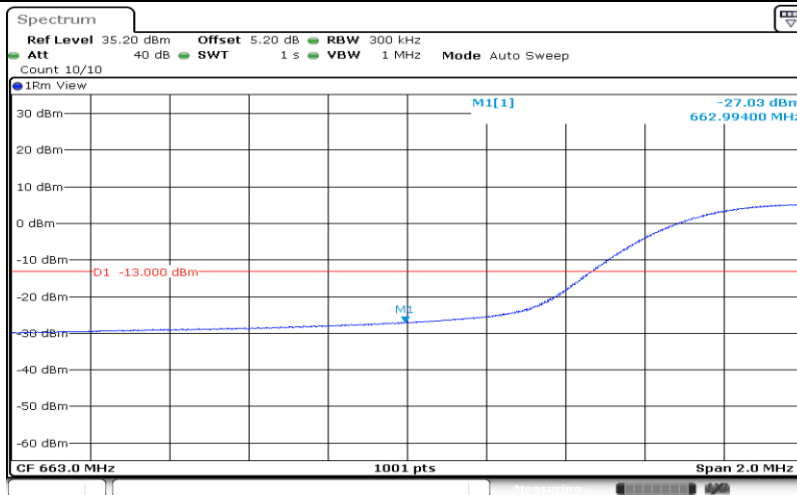
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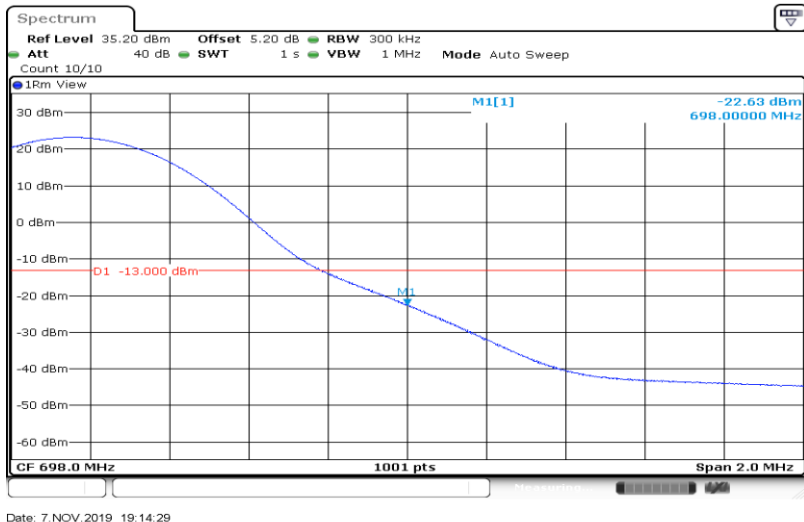
Band71-15MHz-QPSK-133197-75RB#0



Date: 7.NOV.2019 19:13:46

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



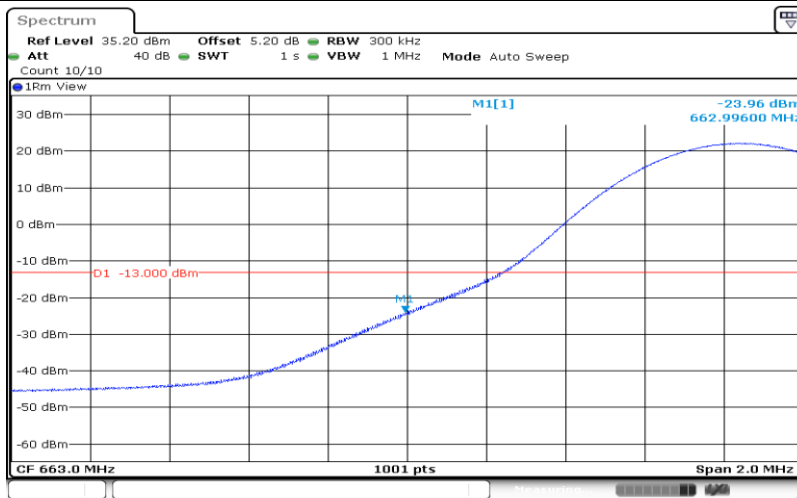


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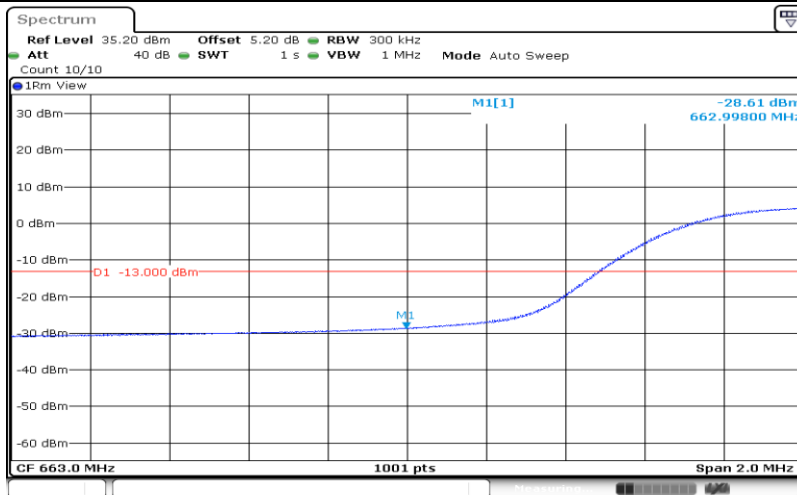
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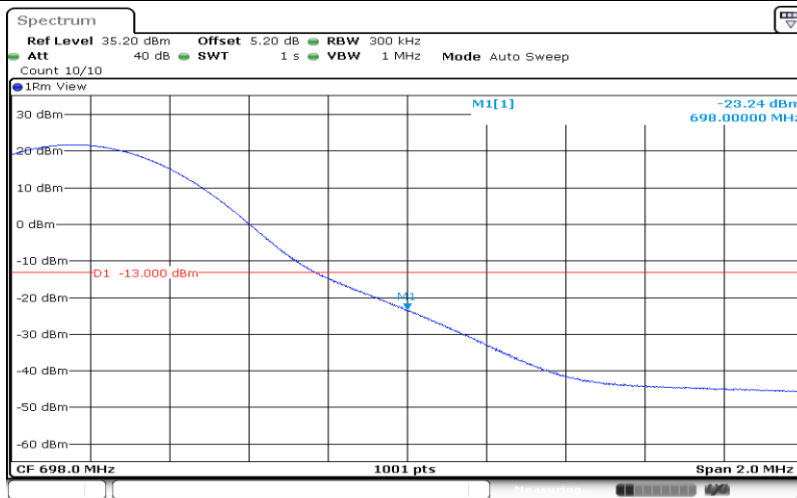
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Band71-15MHz-16QAM-133397-1RB#74





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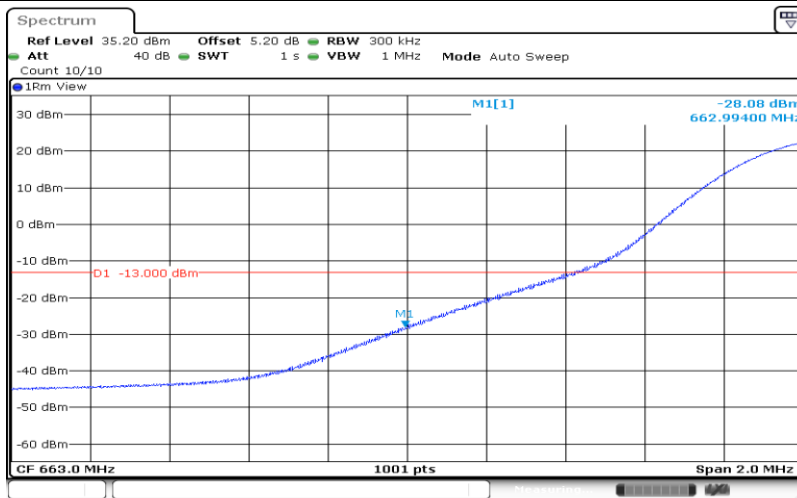
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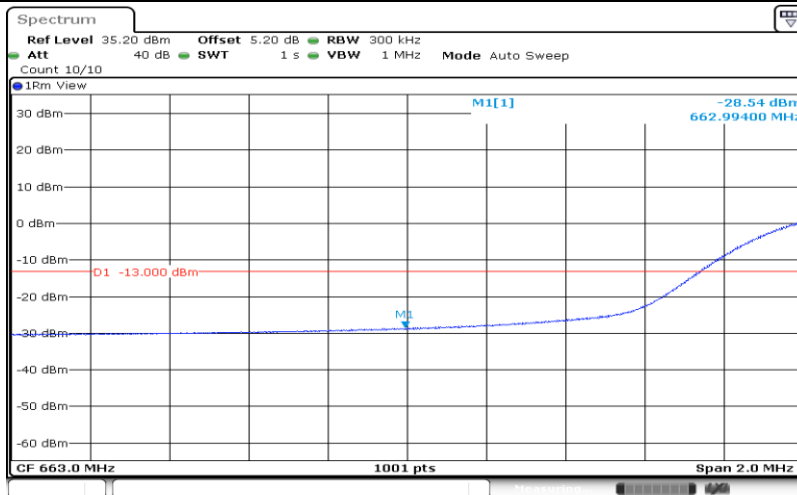
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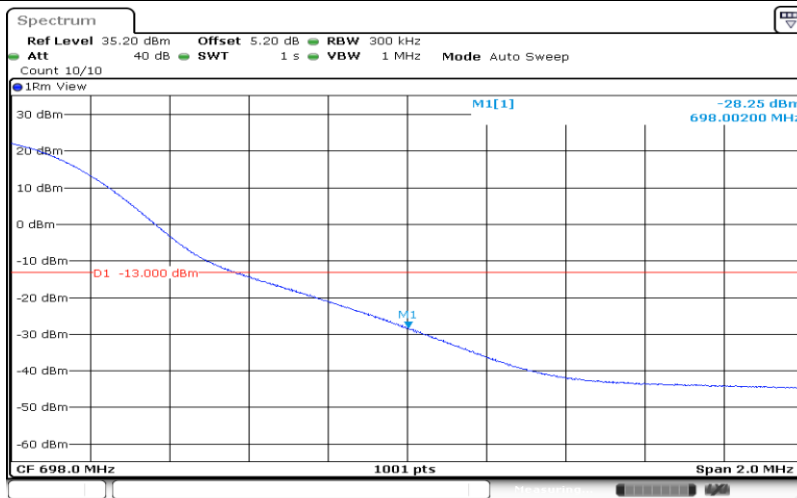
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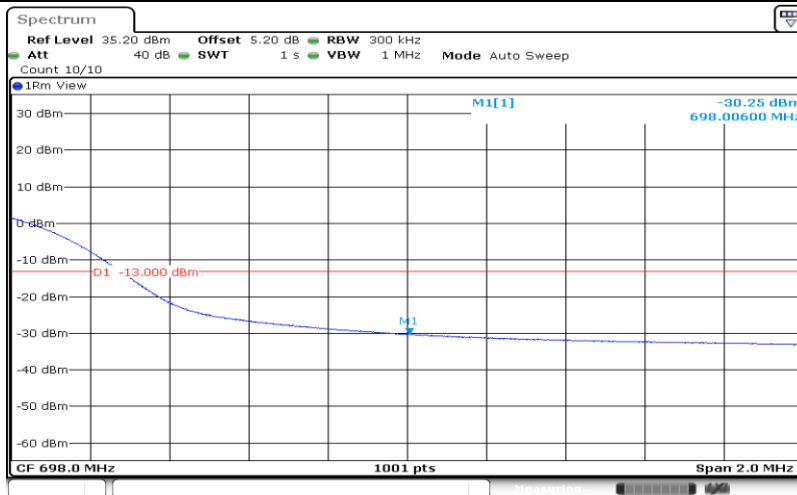
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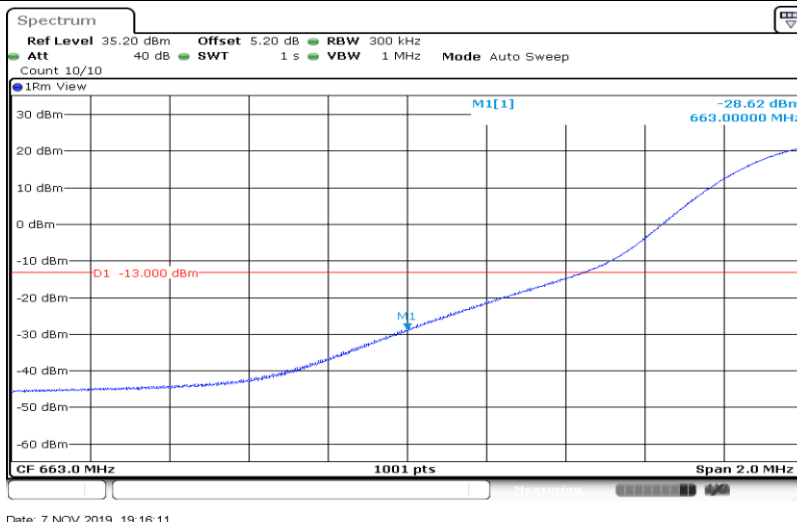
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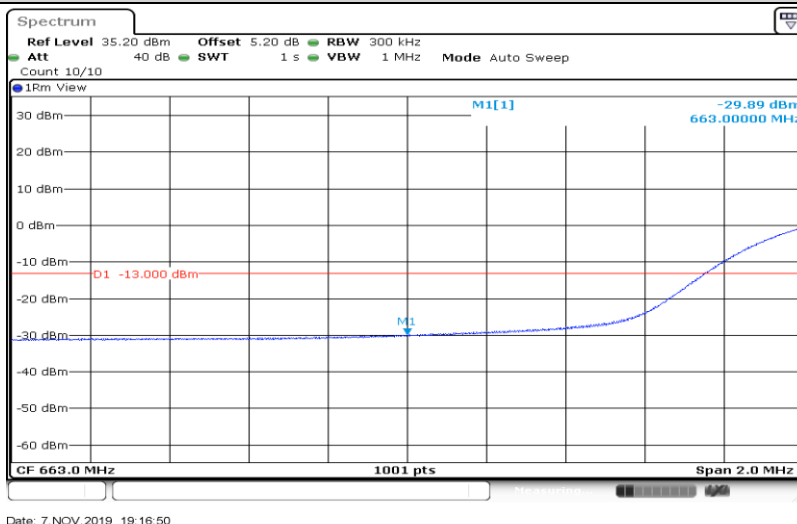
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Band71-20MHz-16QAM-133222-1RB#0





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

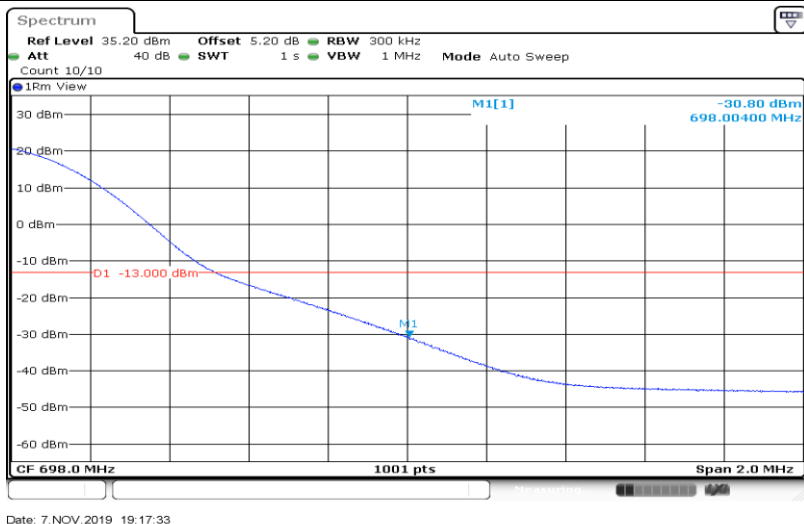


Band71-20MHz-16QAM-133372-1RB#99

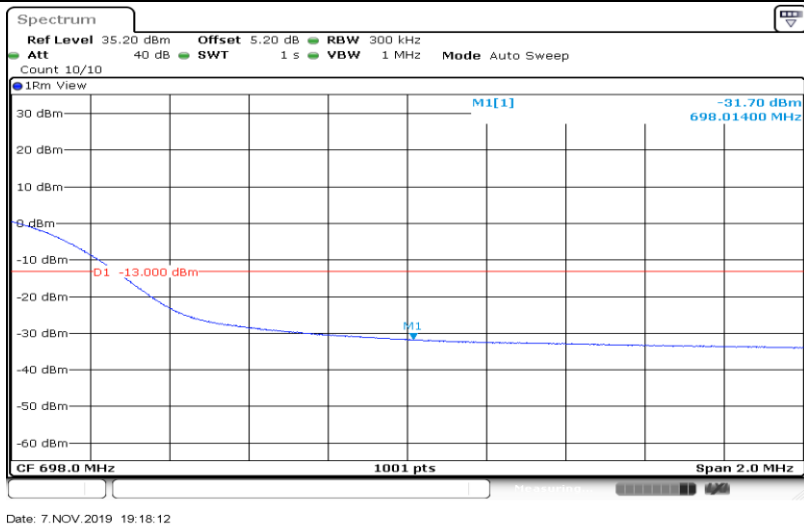


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Band71-20MHz-16QAM-133372-100RB#0



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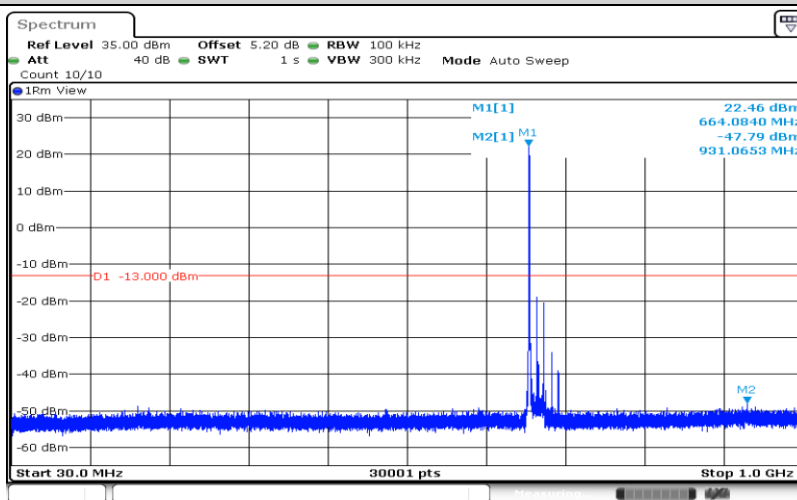
6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

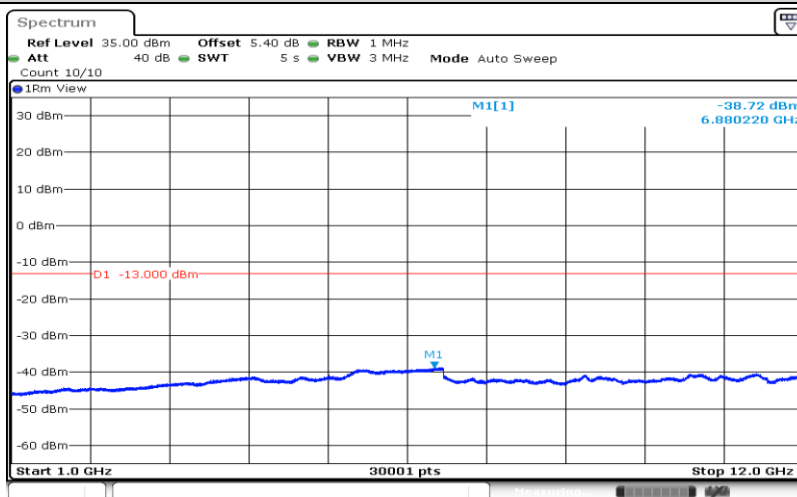
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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

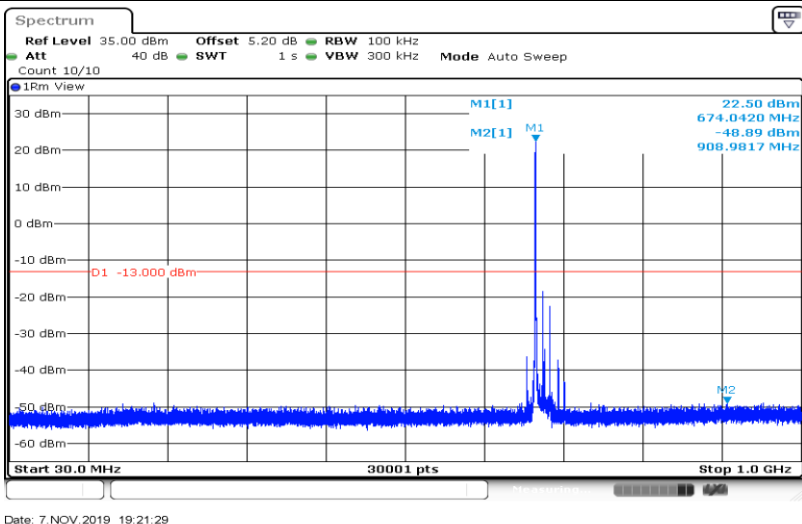


Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~12000MHz

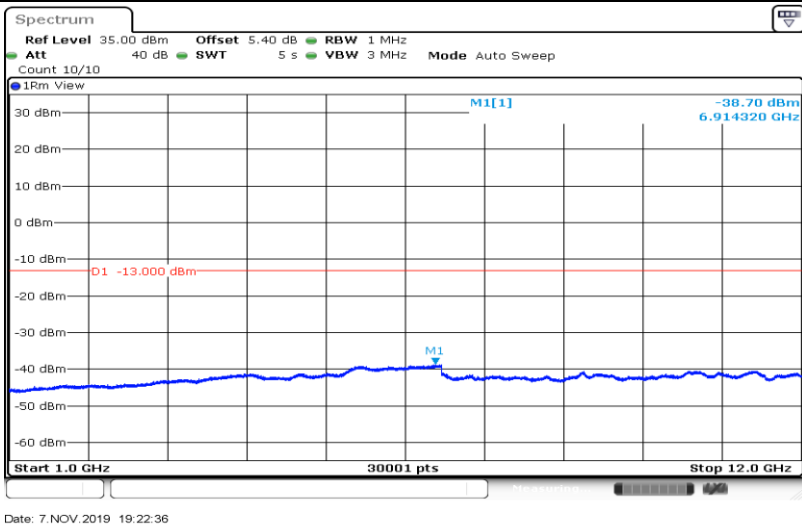


Band71-20MHz-QPSK-133322-1RB#0-Range1:30~1000MHz



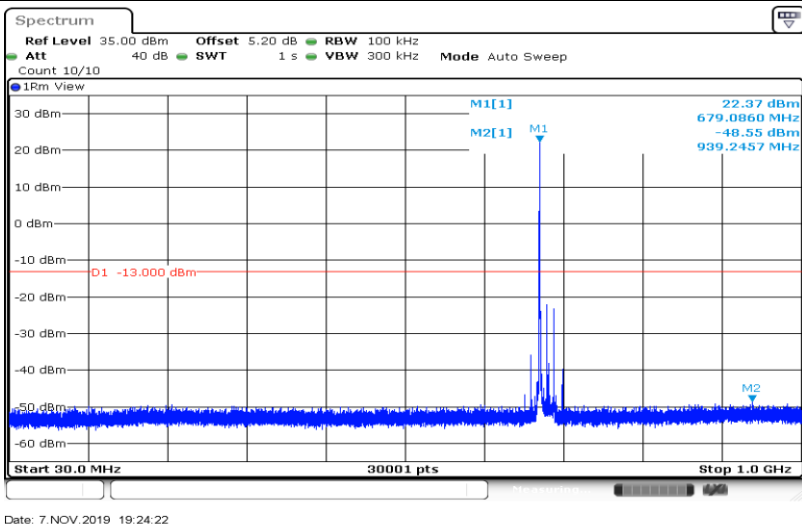


Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~12000MHz

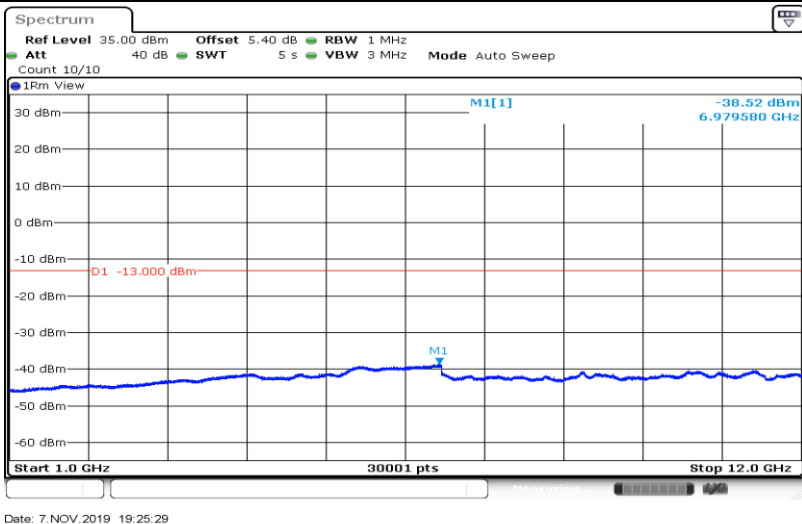


Band71-20MHz-QPSK-133372-1RB#0-Range1:30~1000MHz



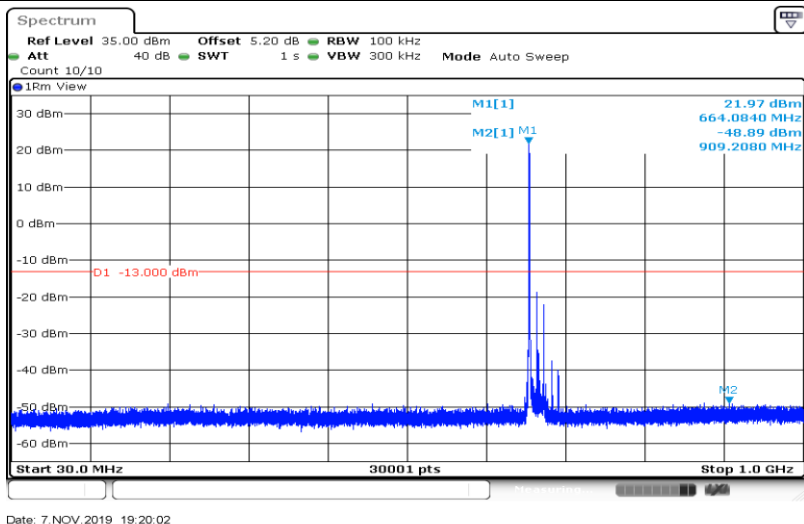


Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~12000MHz

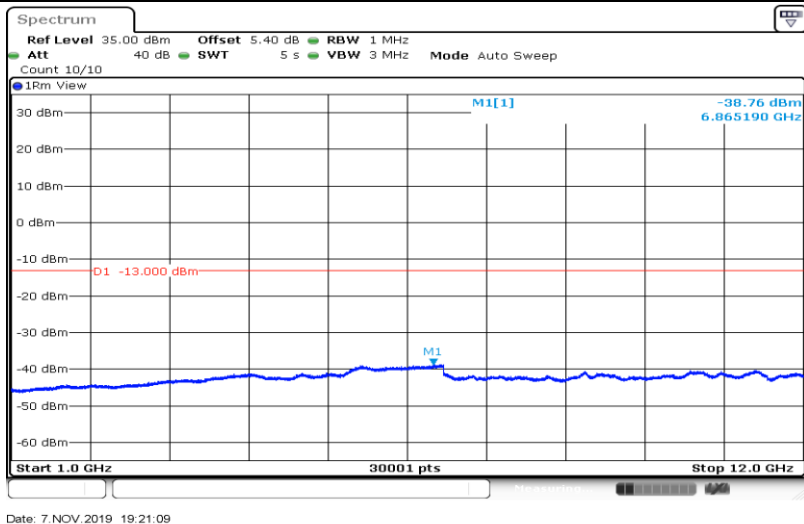


Band71-20MHz-16QAM-133222-1RB#0-Range1:30~1000MHz



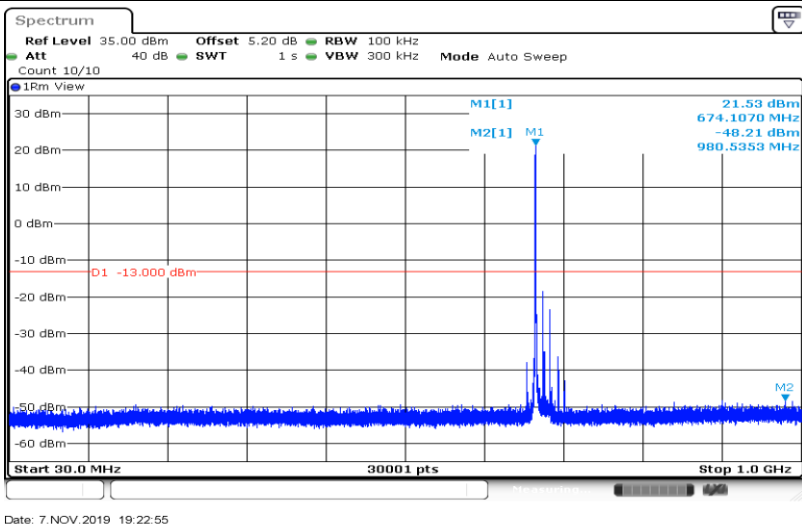


Band71-20MHz-16QAM-133222-1RB#0-Range2:1000~12000MHz

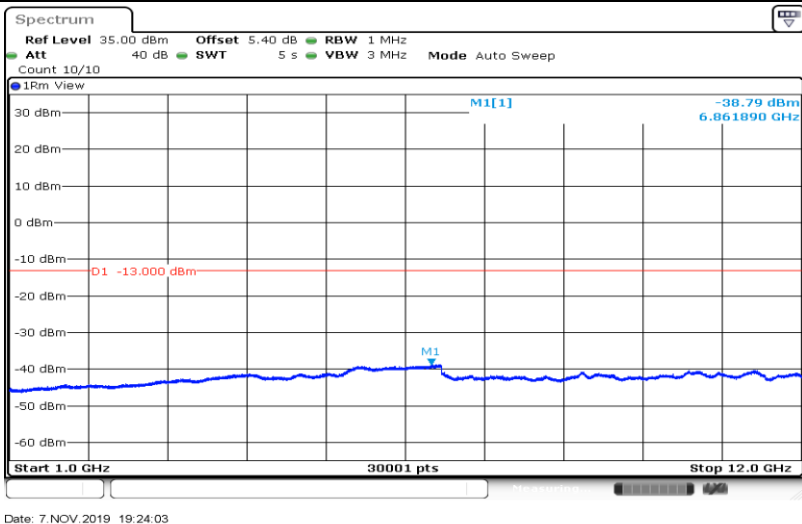


Band71-20MHz-16QAM-133222-1RB#0-Range1:30~1000MHz



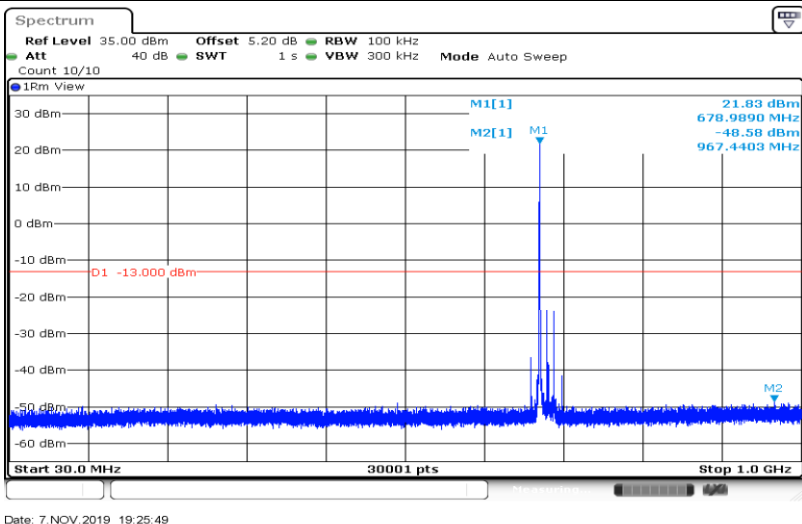


Band71-20MHz-16QAM-133322-1RB#0-Range2:1000~12000MHz

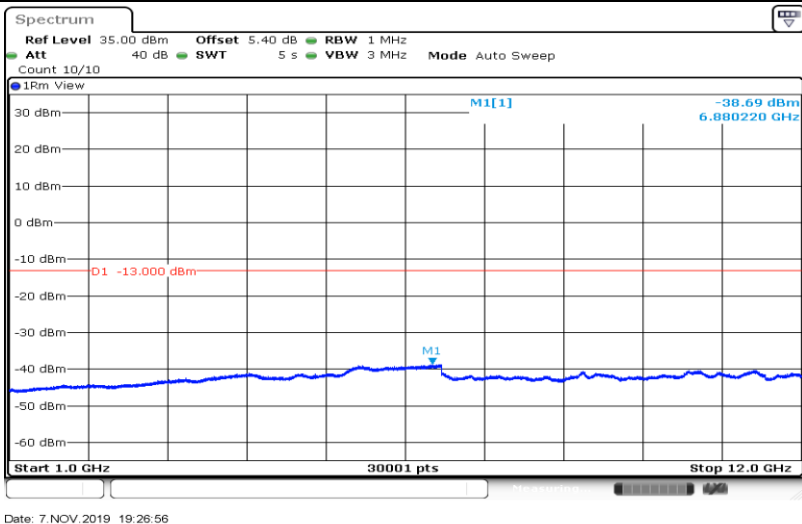


Band71-20MHz-16QAM-133372-1RB#0-Range1:30~1000MHz





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





7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
66.3768	-67.63	-13.00	54.63	196	67	Vertical
114.8792	-65.02	-13.00	52.02	166	243	Vertical
375.5798	-68.17	-13.00	55.17	251	335	Vertical
2998.3997	-56.30	-13.00	43.30	173	61	Vertical
9893.6757	-47.54	-13.00	34.54	205	243	Vertical
17992.7997	-32.99	-13.00	19.99	299	360	Vertical
40.0400	-64.25	-13.00	51.25	185	143	Horizontal
239.7245	-67.14	-13.00	54.14	163	256	Horizontal
1761.3523	-55.59	-13.00	42.59	172	284	Horizontal
2479.4959	-54.09	-13.00	41.09	252	229	Horizontal
7408.3763	-52.59	-13.00	39.59	294	121	Horizontal
16399.1360	-36.52	-13.00	23.52	287	280	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
32.2796	-70.38	-13.00	57.38	238	272	Vertical
111.1446	-64.85	-13.00	51.85	242	34	Vertical
1746.1492	-57.75	-13.00	44.75	188	40	Vertical
3000.0000	-56.18	-13.00	43.18	172	203	Vertical
10704.9082	-45.81	-13.00	32.81	269	82	Vertical
17991.5997	-32.91	-13.00	19.91	234	272	Vertical
43.4352	-64.49	-13.00	51.49	196	233	Horizontal
237.9784	-68.20	-13.00	55.20	252	282	Horizontal
1348.0696	-63.67	-13.00	50.67	138	141	Horizontal
2022.2044	-52.22	-13.00	39.22	172	5	Horizontal
10003.4801	-47.85	-13.00	34.85	255	99	Horizontal
16403.3361	-36.58	-13.00	23.58	132	282	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
116.2858	-65.36	-13.00	52.36	186	132	Vertical
464.6787	-66.90	-13.00	53.90	132	132	Vertical
1358.0716	-65.45	-13.00	52.45	283	134	Vertical
2037.4075	-59.33	-13.00	46.33	213	201	Vertical
8573.6229	-51.26	-13.00	38.26	112	103	Vertical
17993.9998	-33.01	-13.00	20.01	174	132	Vertical
44.2112	-63.95	-13.00	50.95	262	203	Horizontal
236.2808	-67.79	-13.00	54.79	284	81	Horizontal
1358.0716	-62.25	-13.00	49.25	211	150	Horizontal
2037.4075	-48.71	-13.00	35.71	284	8	Horizontal
3000.0000	-56.42	-13.00	43.42	222	102	Horizontal
16397.3359	-36.52	-13.00	23.52	297	320	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.





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	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	-2.00	-0.002972	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-3.60	-0.005271	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-1.90	-0.002782	±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	-2.00	-0.002907	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	-1.40	-0.002035	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VL	NT	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VN	NT	-1.70	-0.002526	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VH	NT	-1.10	-0.001634	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VL	NT	-1.80	-0.002635	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	0.10	0.000146	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	-1.10	-0.001611	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	-1.00	-0.001453	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	-0.90	-0.001308	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	-1.30	-0.001890	±2.5	PASS

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	-1.00	-0.001486	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-2.00	-0.002972	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	10	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	-2.40	-0.003566	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-2.30	-0.003367	±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	0	-2.60	-0.003807	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-2.10	-0.003075	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-0.70	-0.001025	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-1.90	-0.002782	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.80	-0.002635	±2.5	PASS



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Band71	20MHz	QPSK	133322	100RB#0	NV	50	-3.30	-0.004832	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	-0.90	-0.001308	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	-2.00	-0.002907	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	-2.70	-0.003924	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	-1.60	-0.002326	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	-2.90	-0.004215	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	30	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	40	-0.30	-0.000436	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	50	-1.70	-0.002471	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	-2.20	-0.003269	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-20	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	0	-1.00	-0.001486	±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	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	30	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	40	-1.30	-0.001932	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	50	-2.40	-0.003566	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	-1.90	-0.002782	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	-2.20	-0.003221	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	10	-0.80	-0.001171	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	20	-1.20	-0.001757	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	30	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	40	-2.60	-0.003807	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	50	-2.20	-0.003221	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-2.50	-0.003634	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-20	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	-1.60	-0.002326	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-1.90	-0.002762	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	-2.40	-0.003488	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	30	-3.10	-0.004506	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	40	-1.40	-0.002035	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	50	-1.90	-0.002762	±2.5	PASS



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