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Appendix B.13

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data**Test ResultAnt1**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.40	21.52	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.32	21.44	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.29	21.41	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.42	20.54	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.51	21.63	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.39	21.51	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.33	21.45	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.48	20.60	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.10	21.22	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.01	21.13	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.89	21.01	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.01	20.13	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.76	20.88	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.53	20.65	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.69	20.81	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.45	19.57	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.75	20.87	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.71	20.83	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.61	20.73	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.44	19.56	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.30	20.42	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.29	20.41	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.17	20.29	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.01	19.13	34.77	PASS



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Band71	5MHz	64QAM	133147	1RB#0	21.70	19.82	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.66	19.78	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.55	19.67	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	20.44	18.56	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.71	19.83	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.60	19.72	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.50	19.62	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.46	18.58	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.30	19.42	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.21	19.33	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.01	19.13	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.03	18.15	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.50	21.62	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.48	21.60	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.30	21.42	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.45	20.57	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.53	21.65	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.40	21.52	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.32	21.44	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.46	20.58	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.19	21.31	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.09	21.21	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.02	21.14	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.16	20.28	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.72	20.84	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.68	20.80	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.68	20.80	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.48	19.60	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.73	20.85	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.74	20.86	34.77	PASS



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Band71	10MHz	16QAM	133297	1RB#49	22.59	20.71	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.50	19.62	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.41	20.53	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.38	20.50	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.22	20.34	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.19	19.31	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.80	19.92	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.66	19.78	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.60	19.72	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.48	18.60	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.71	19.83	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.54	19.66	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.41	19.53	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.48	18.60	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.44	19.56	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.30	19.42	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.07	19.19	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.18	18.30	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.52	21.64	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.47	21.59	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.28	21.40	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.47	20.59	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.57	21.69	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.48	21.60	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.25	21.37	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.53	20.65	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.38	21.50	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.24	21.36	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.95	21.07	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.26	20.38	34.77	PASS



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Band71	15MHz	16QAM	133197	1RB#0	23.52	21.64	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.76	20.88	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.53	20.65	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.47	19.59	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.92	21.04	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.64	20.76	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.56	20.68	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.46	19.58	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.53	20.65	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.64	20.76	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.24	20.36	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.28	19.40	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.73	19.85	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.63	19.75	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.47	19.59	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.45	18.57	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.82	19.94	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.64	19.76	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.40	19.52	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.52	18.64	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.48	19.60	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.33	19.45	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.19	19.31	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.28	18.40	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.72	21.84	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.56	21.68	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.31	21.43	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.57	20.69	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.60	21.72	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.41	21.53	34.77	PASS



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Band71	20MHz	QPSK	133322	100RB#0	22.41	20.53	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.53	21.65	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.31	21.43	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.02	21.14	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.35	20.47	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.94	21.06	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.90	21.02	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.50	20.62	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.51	19.63	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.86	20.98	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.69	20.81	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.53	20.65	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.39	19.51	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.73	20.85	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.66	20.78	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.36	20.48	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.31	19.43	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.82	19.94	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.80	19.92	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.53	19.65	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.52	18.64	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.79	19.91	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.68	19.80	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.45	19.57	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.44	18.56	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.86	19.98	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.60	19.72	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.23	19.35	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.31	18.43	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.06	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.40	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.24	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.00	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.08	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.98	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.54	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.62	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.50	13	PASS



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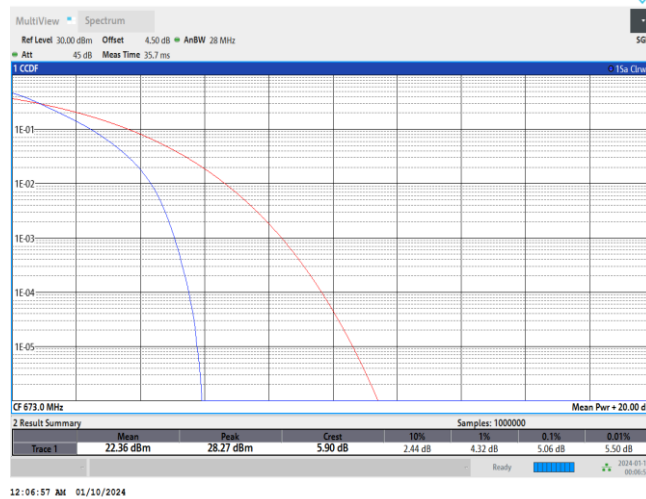
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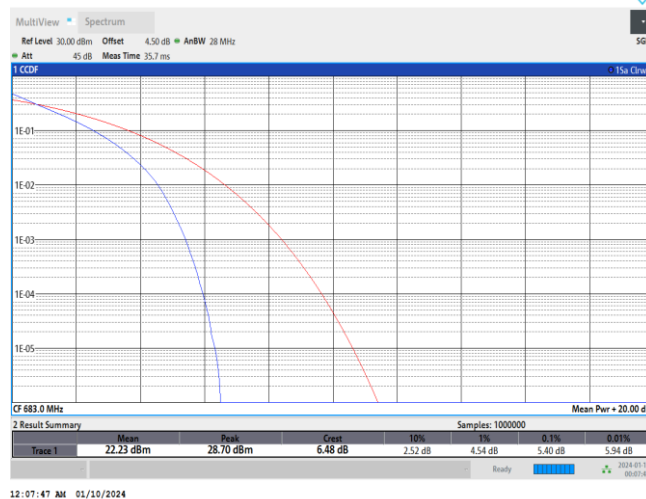
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Test Graphs

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



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



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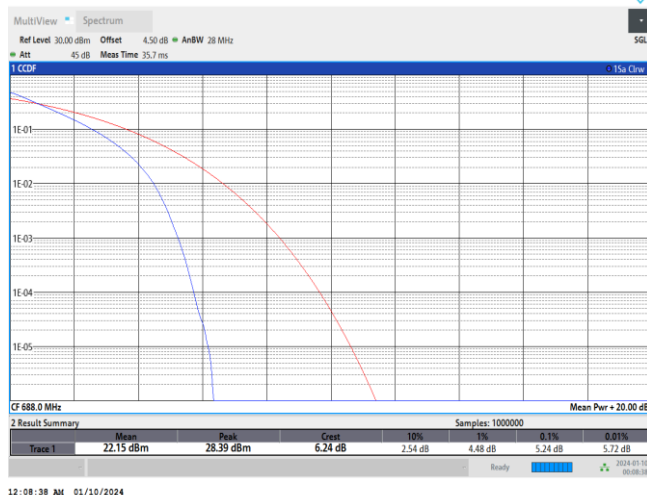
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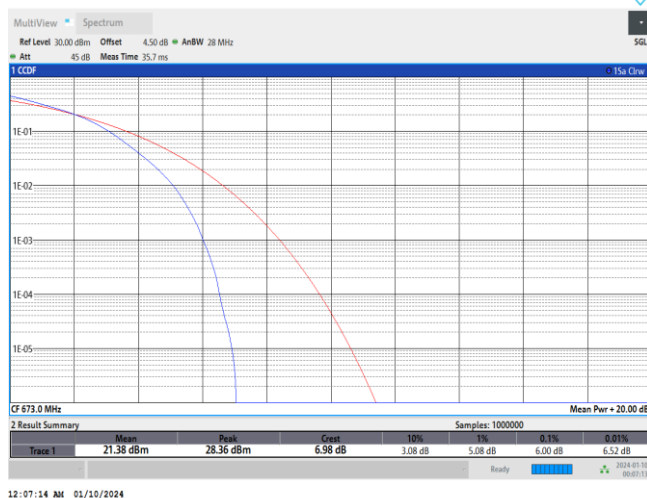
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Band71-20MHz-QPSK-133372-100RB#0



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



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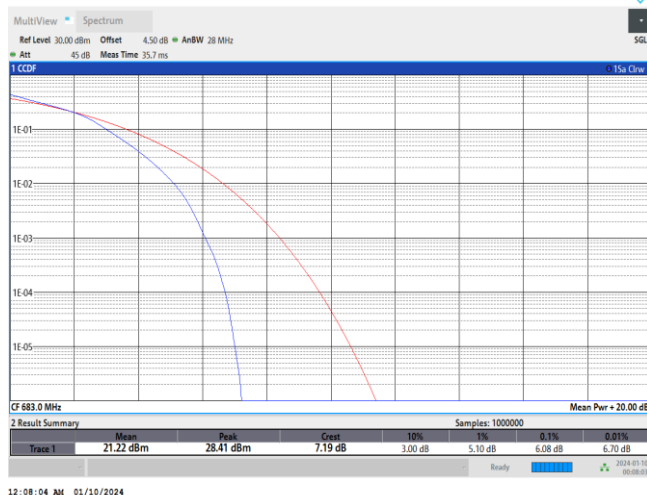
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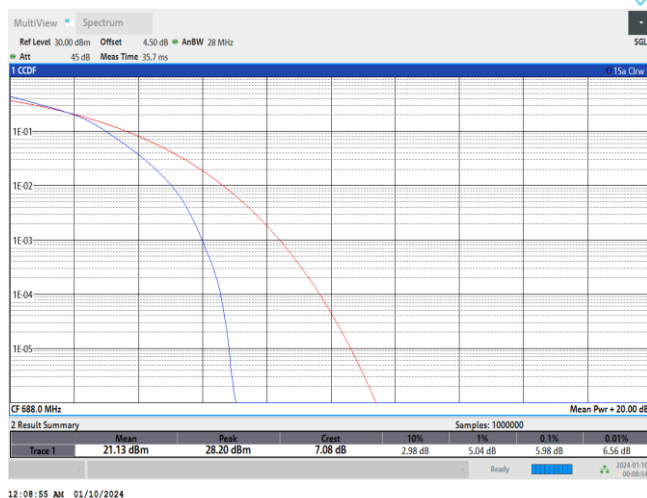
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Band71-20MHz-16QAM-133322-100RB#0



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



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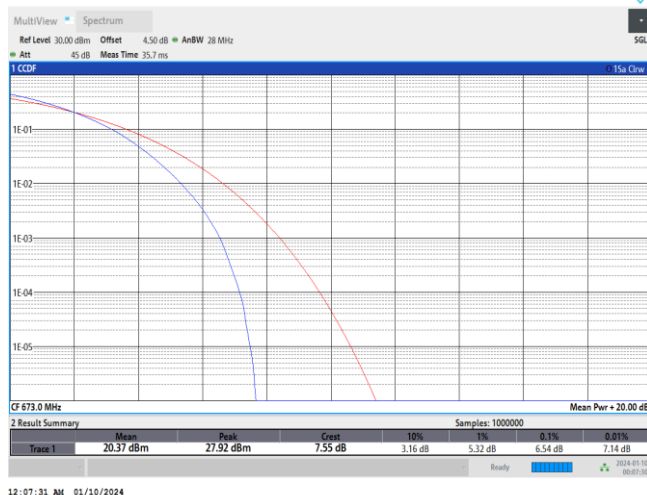
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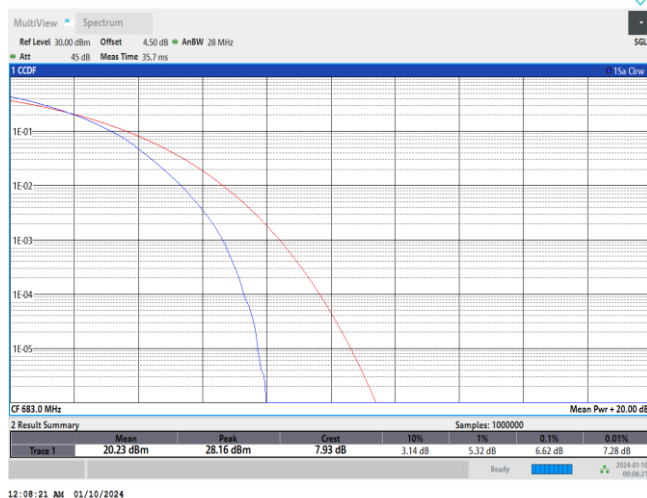
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Band71-20MHz-64QAM-133222-100RB#0



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



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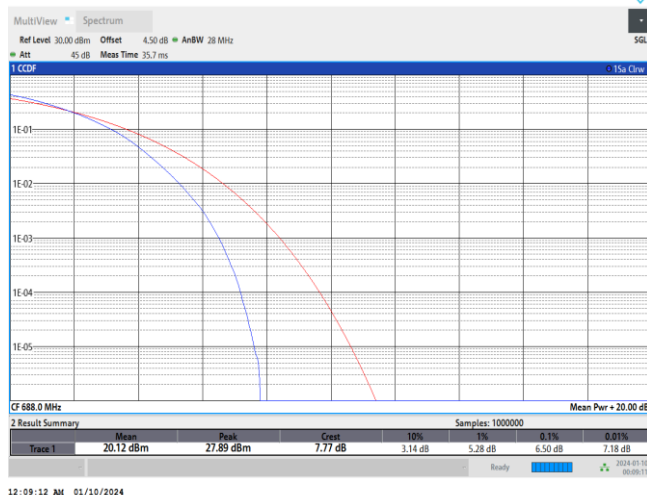
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Band71-20MHz-64QAM-133372-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133297	25RB#0	4.445	4.70	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.468	4.90	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.48	4.88	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.938	9.66	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.914	9.66	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.935	9.66	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.31	14.31	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.452	14.88	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.435	14.76	PASS
Band71	20MHz	QPSK	133297	100RB#0	17.945	19.56	PASS
Band71	20MHz	16QAM	133297	100RB#0	17.899	19.40	PASS
Band71	20MHz	64QAM	133297	100RB#0	17.912	19.48	PASS



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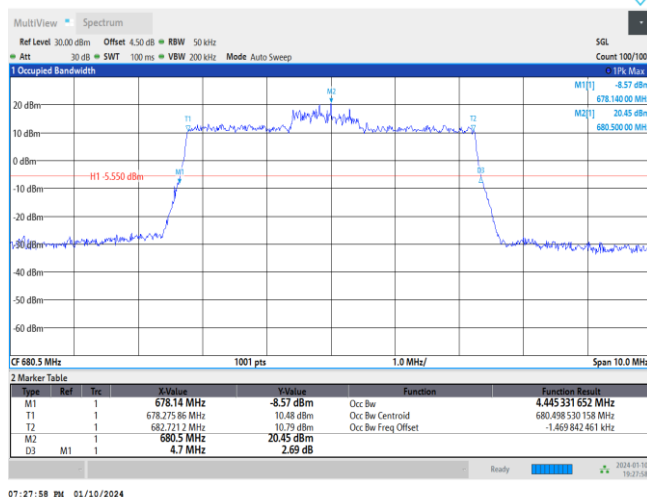
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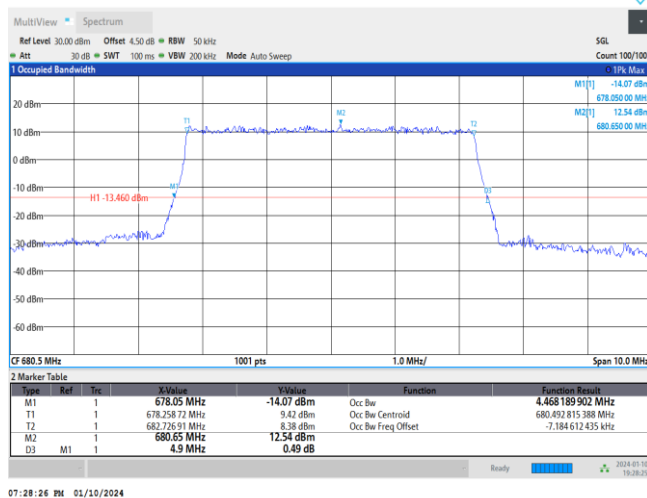
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Test Graphs

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



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



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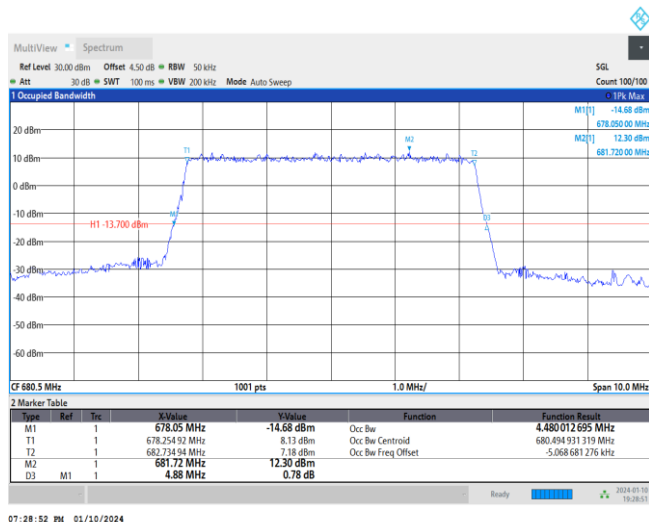
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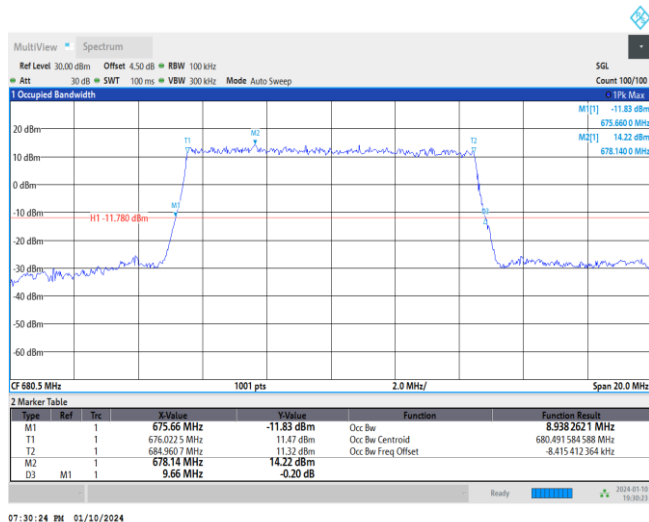
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Band71-5MHz-64QAM-133297-25RB#0



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



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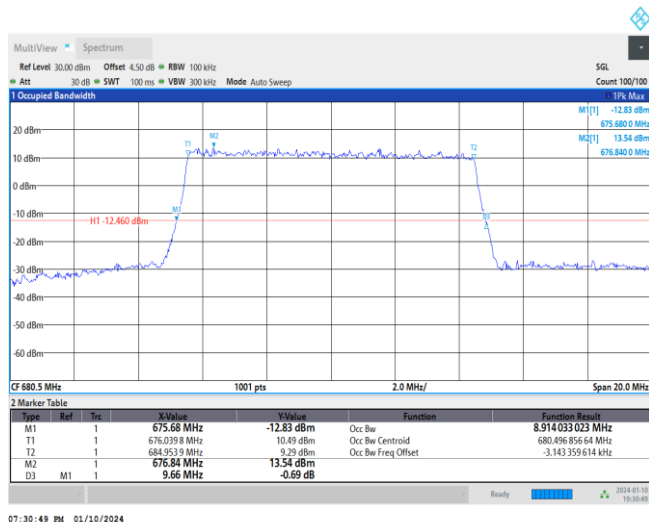
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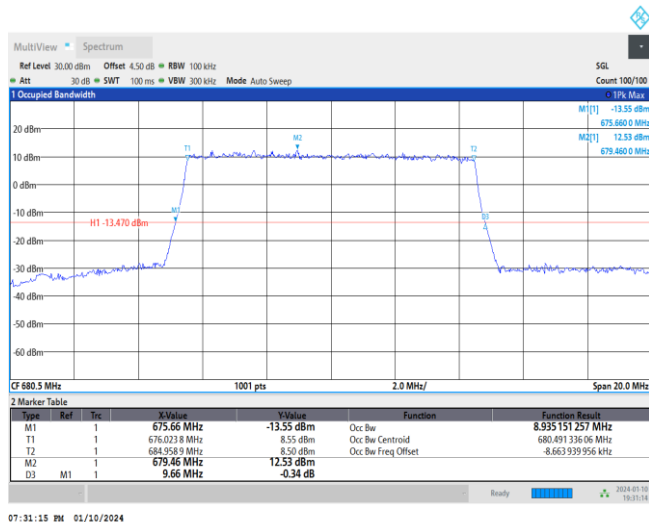
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Band71-10MHz-64QAM-133297-50RB#0



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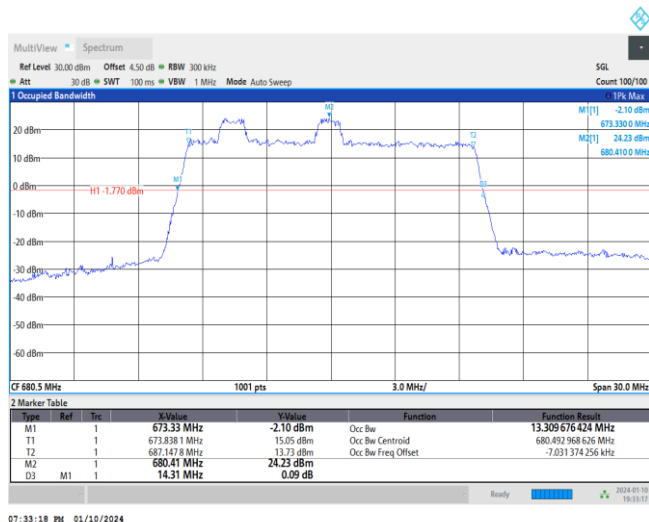
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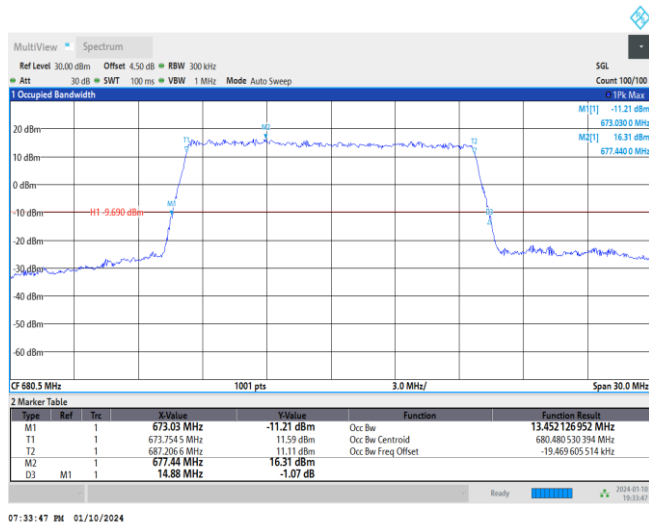
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Band71-15MHz-QPSK-133297-75RB#0



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



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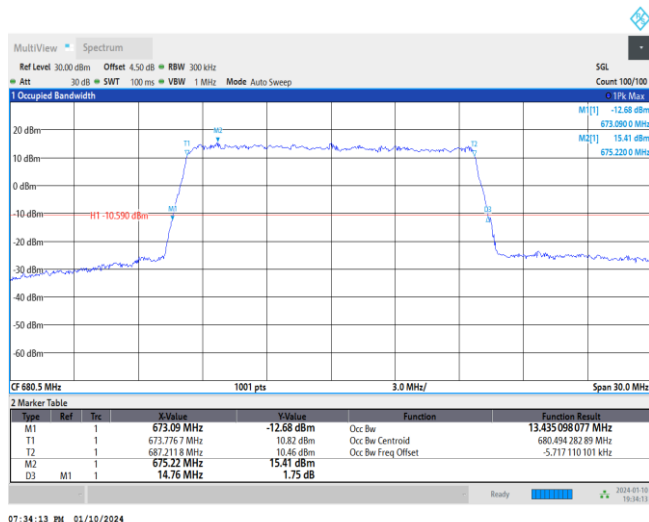
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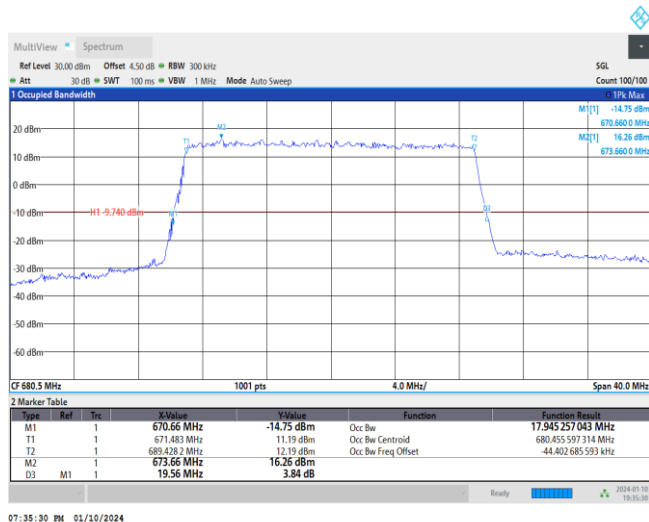
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Band71-15MHz-64QAM-133297-75RB#0



Band71-20MHz-QPSK-133297-100RB#0



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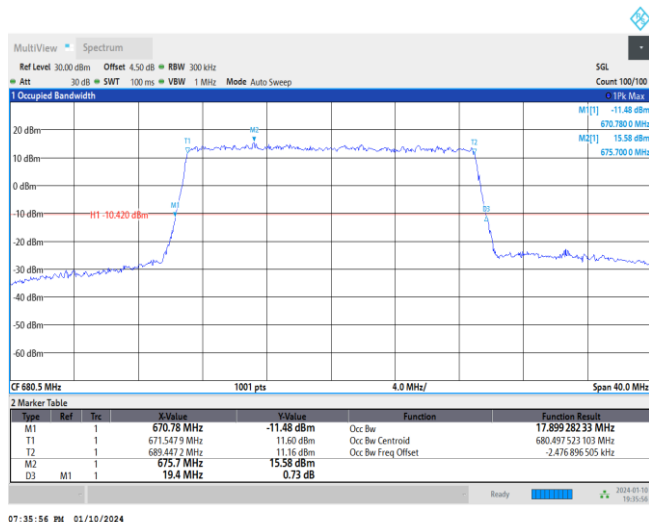
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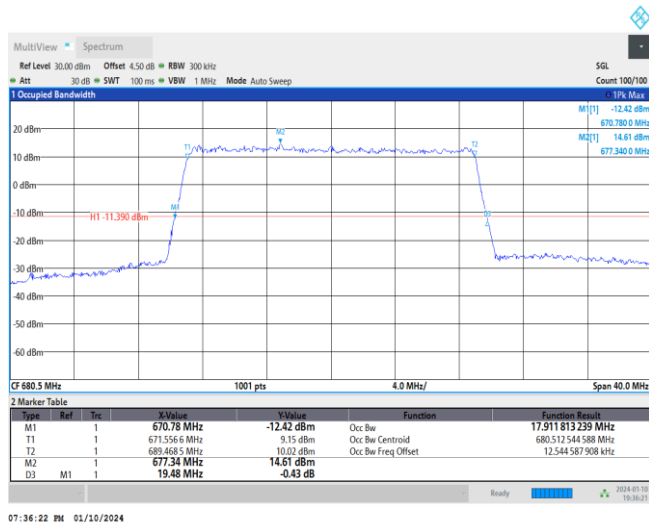
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Band71-20MHz-16QAM-133297-100RB#0



Band71-20MHz-64QAM-133297-100RB#0



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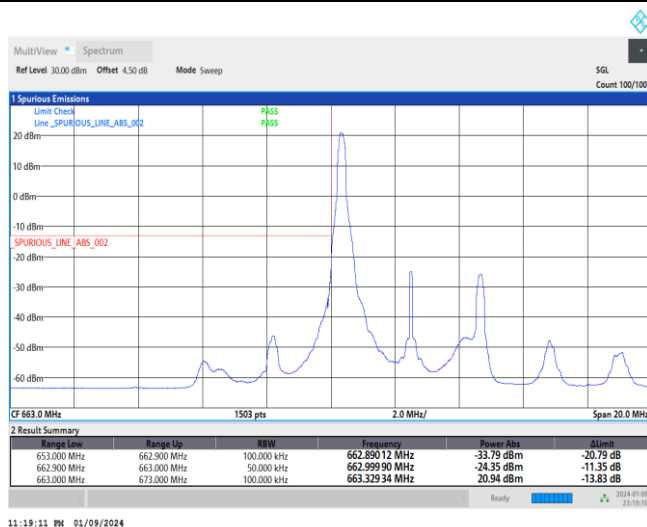
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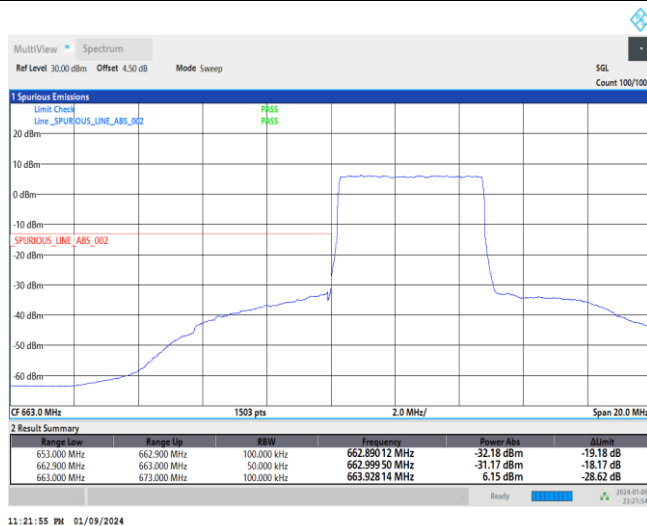
Band Edge

Test Graphs

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



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



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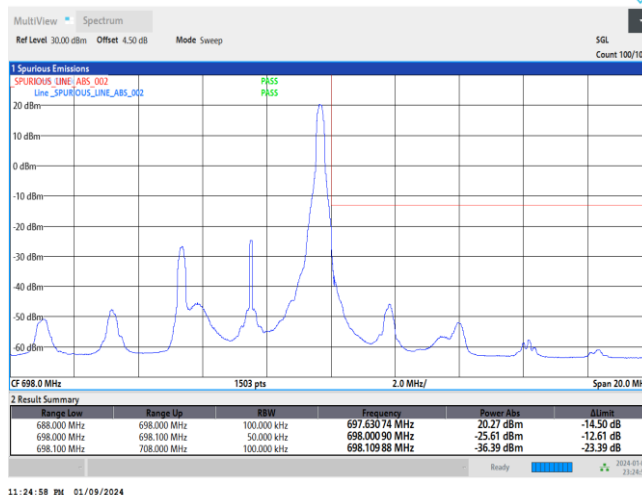
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Band71-5MHz-QPSK-133447-1RB#24



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



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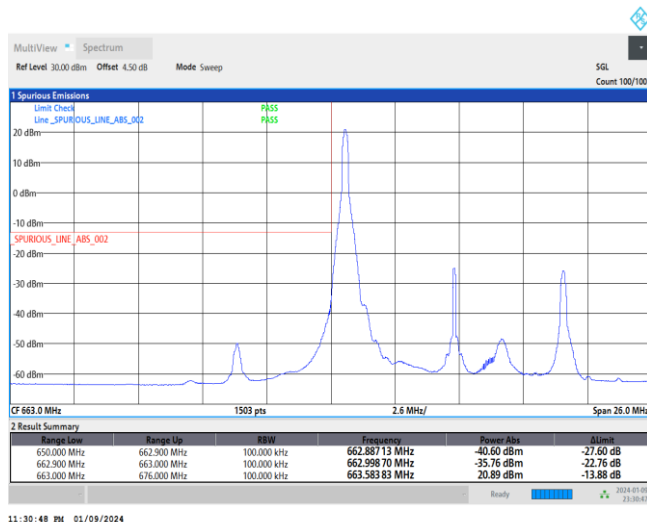
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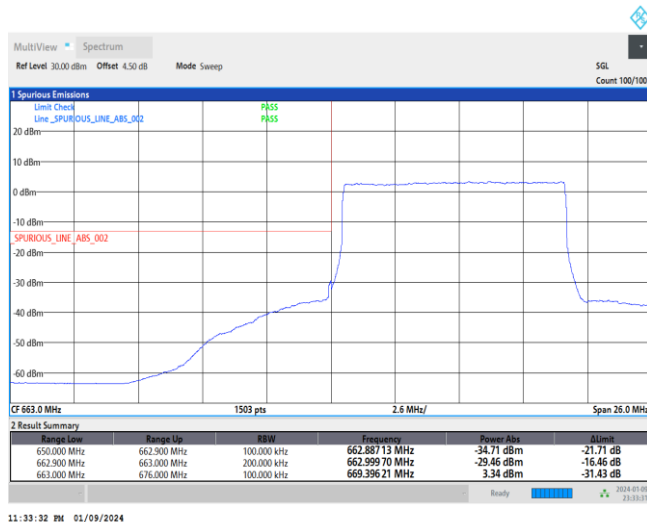
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Band71-10MHz-QPSK-133172-1RB#0



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



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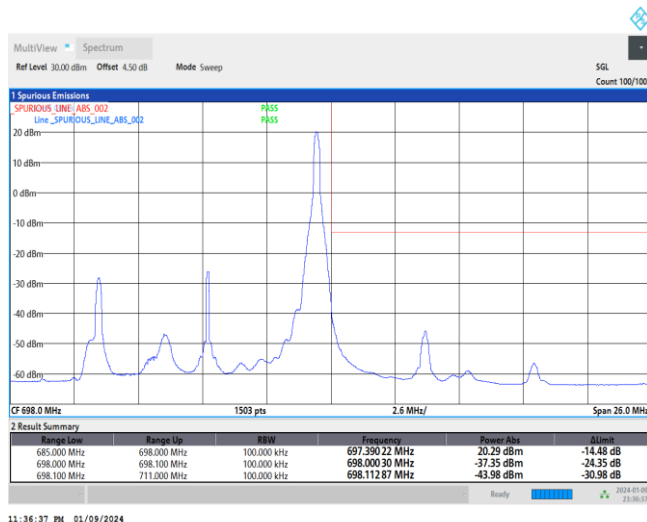
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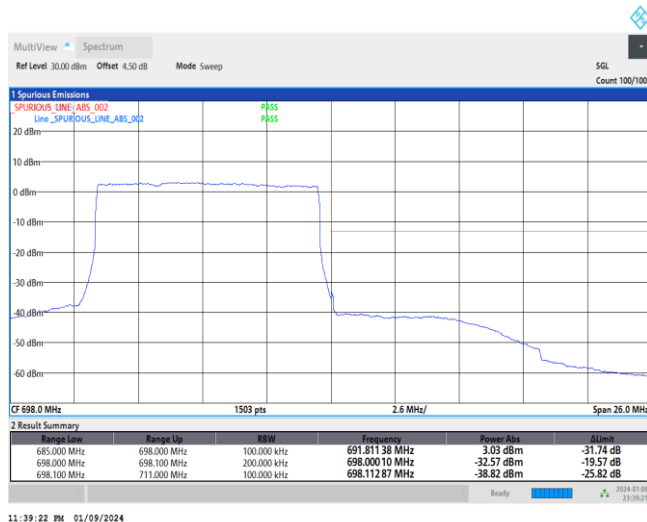
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Band71-10MHz-QPSK-133422-1RB#49



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



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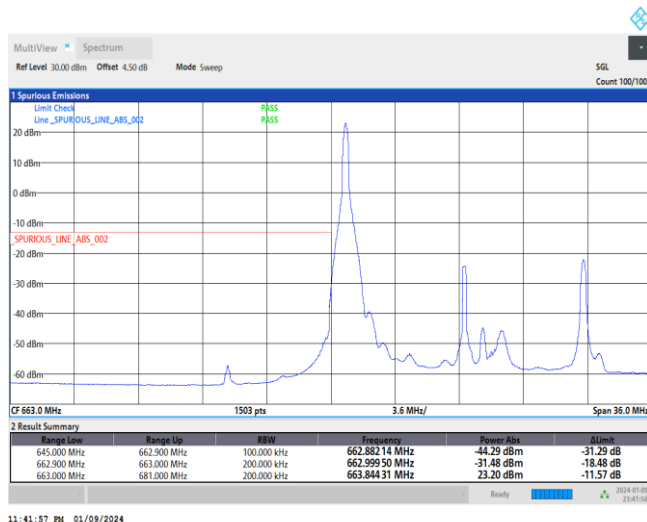
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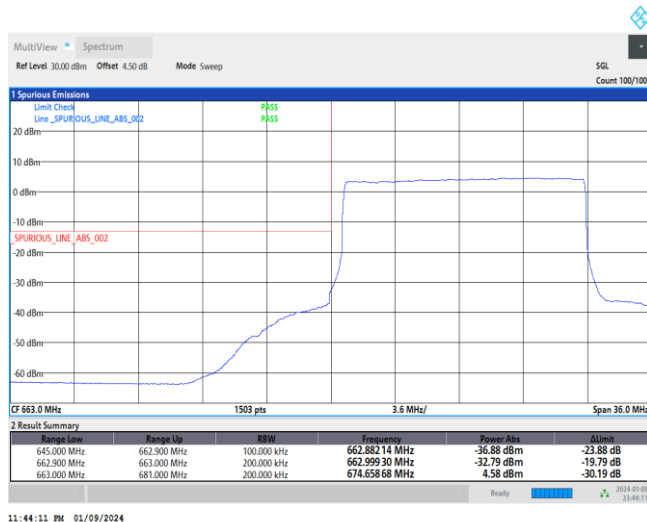
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Band71-15MHz-QPSK-133197-1RB#0



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



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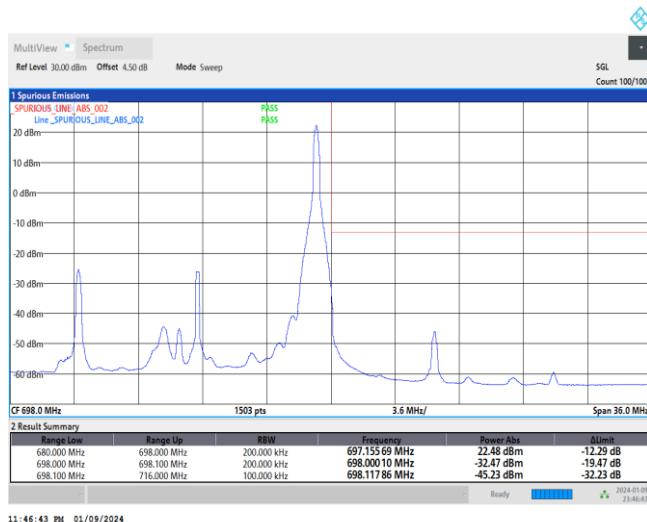
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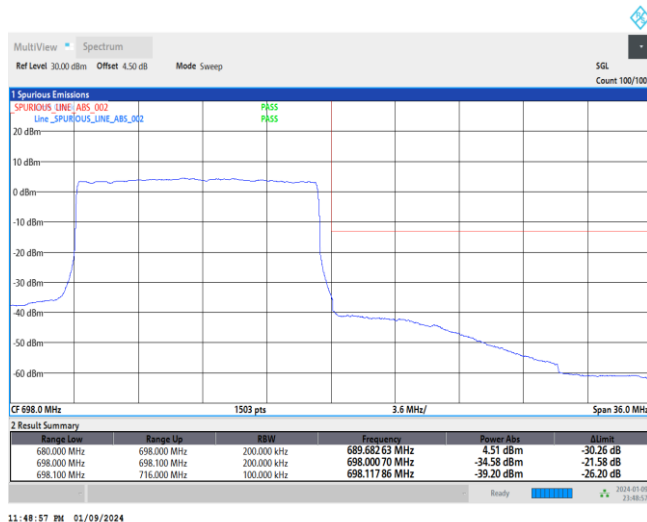
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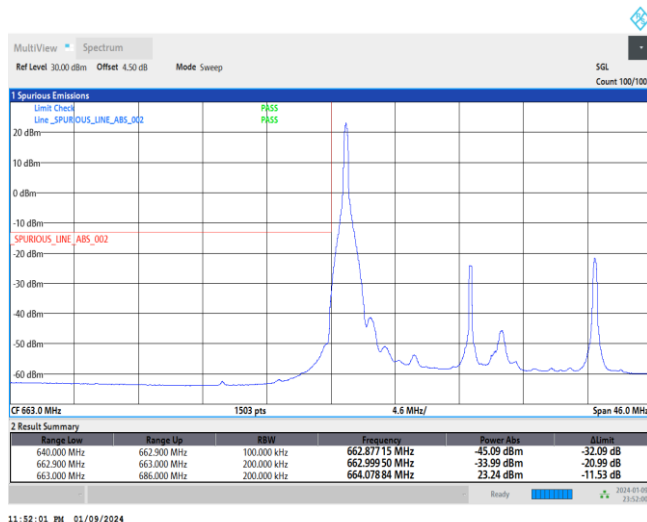
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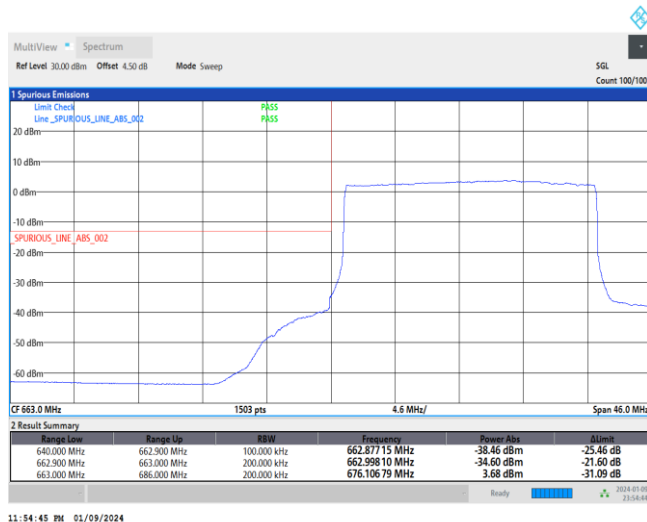
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Band71-20MHz-QPSK-133222-1RB#0



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



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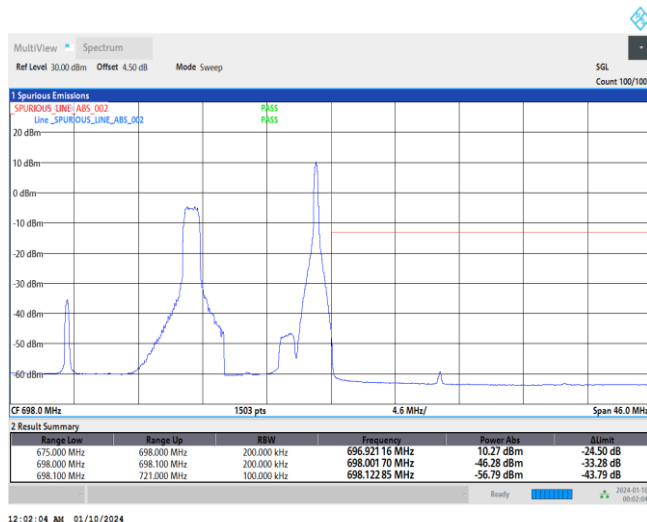
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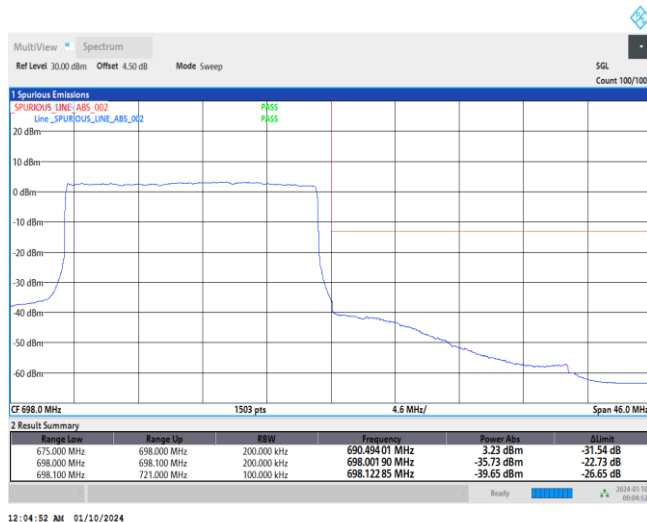
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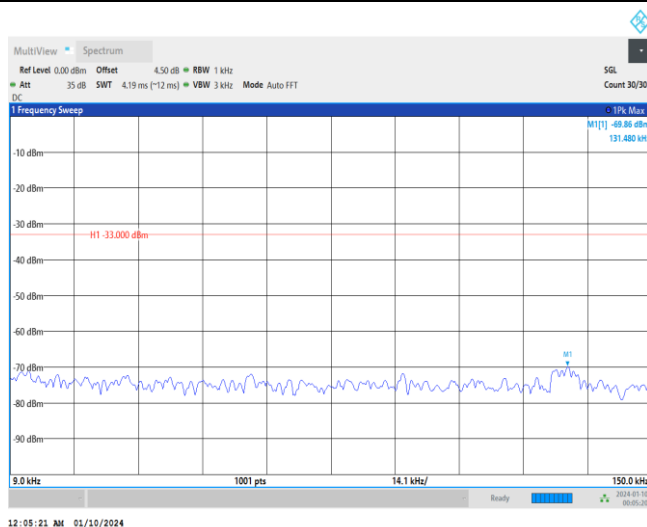
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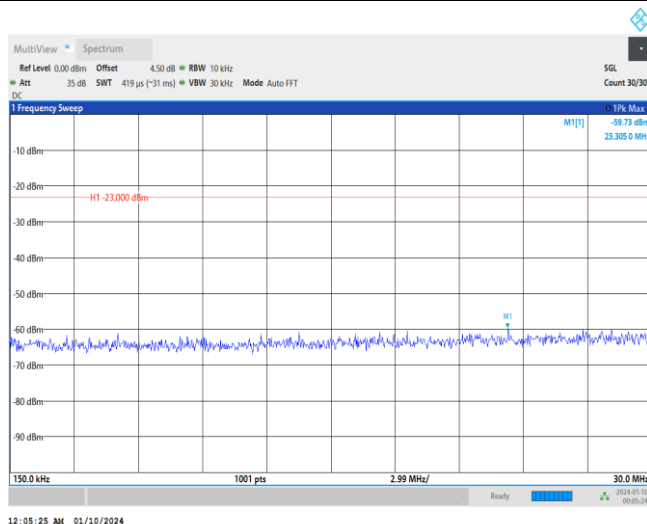
Conducted Spurious Emission

Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



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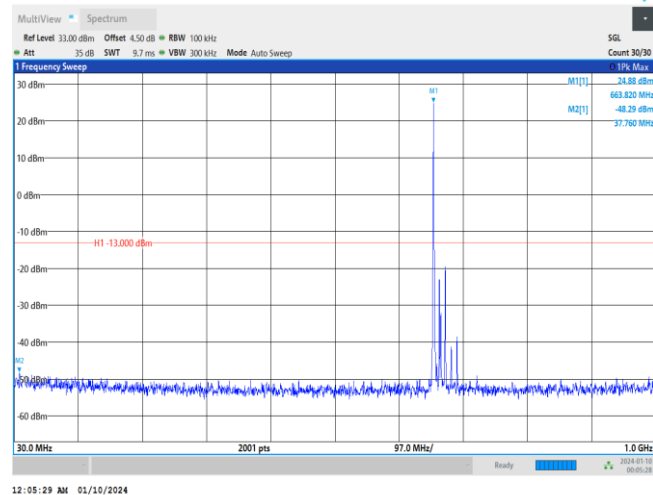
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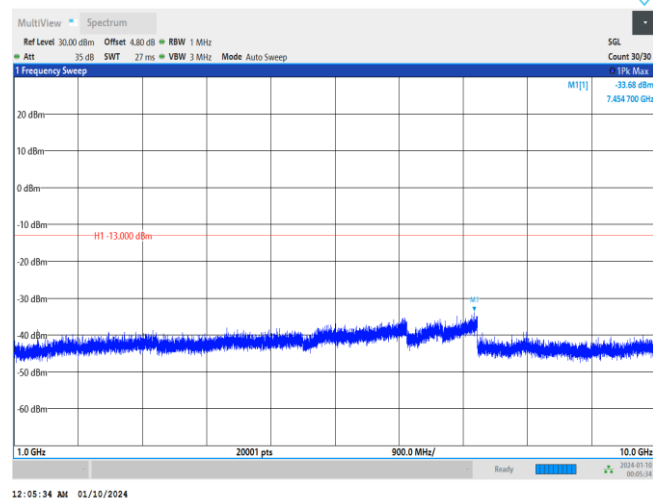
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



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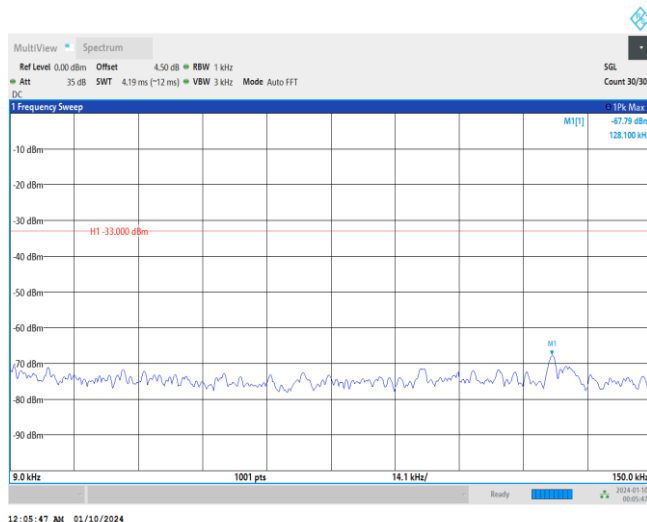
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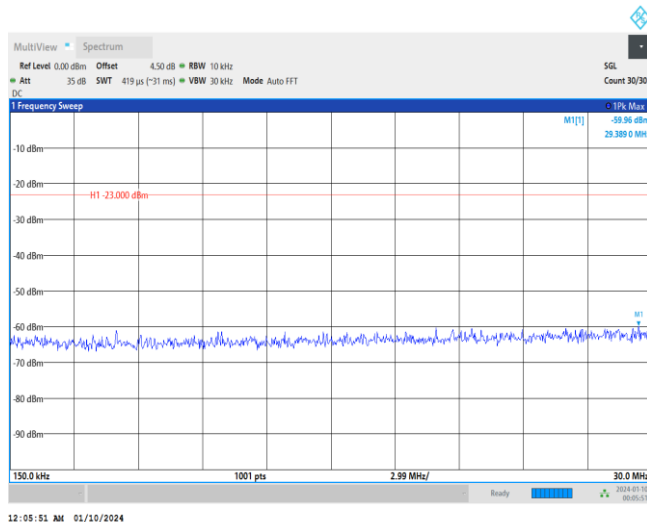
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz



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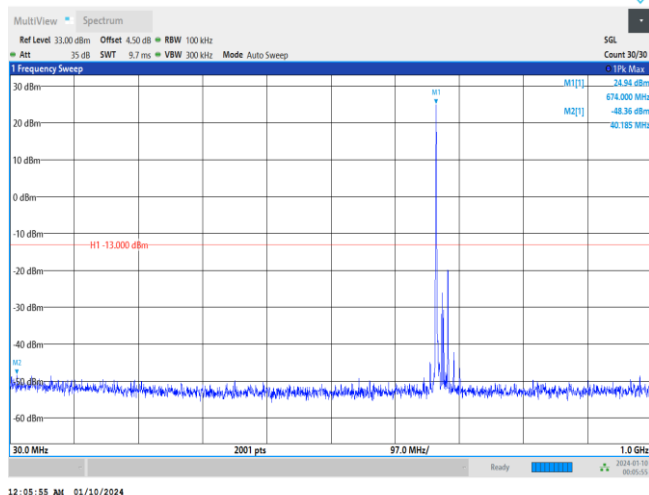
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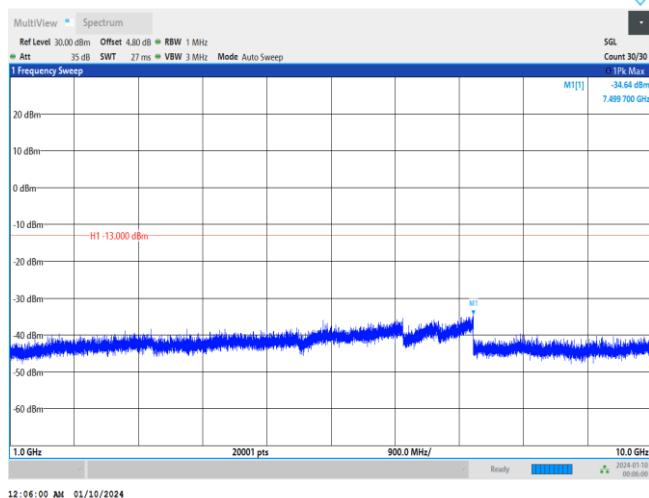
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



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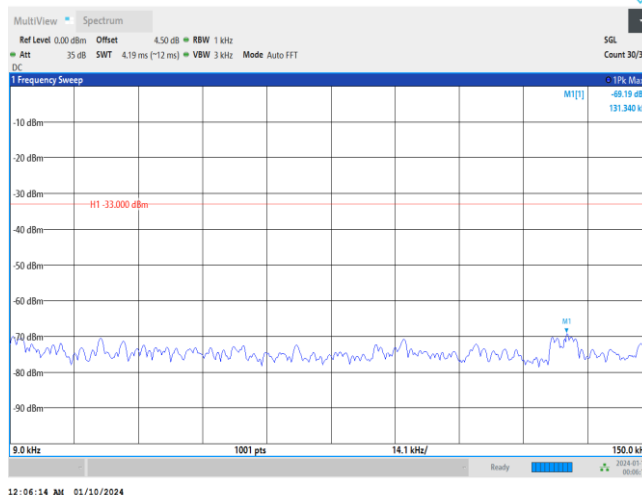
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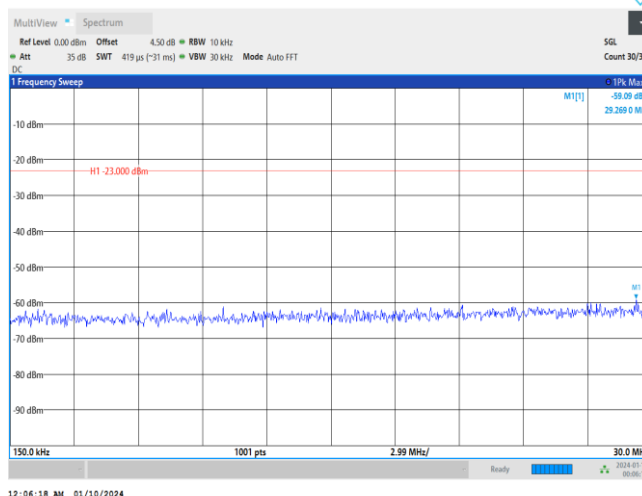
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



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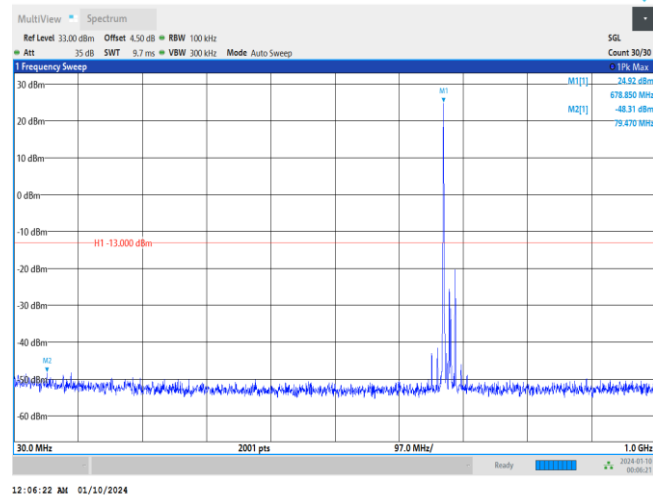
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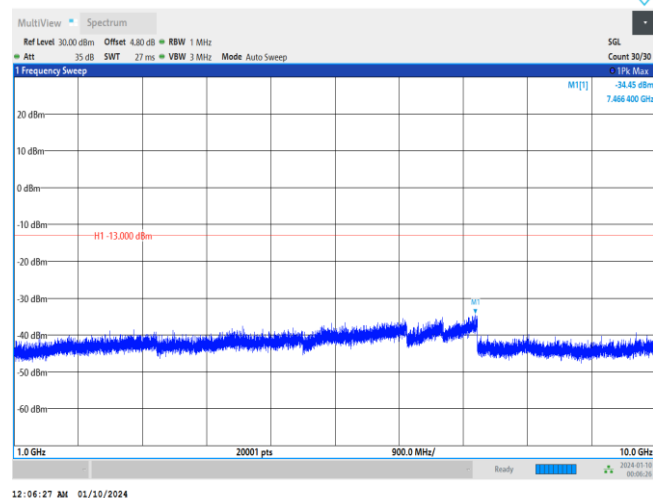
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 71_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.18	40.46	-47.48	25.14	-77.14	-13.00	64.14	Horizontal
2	1992.27	36.19	-46.00	26.24	-78.83	-13.00	65.83	Horizontal
3	2656.36	33.16	-44.77	28.06	-78.82	-13.00	65.82	Horizontal
4	3320.45	32.49	-43.56	29.56	-76.76	-13.00	63.76	Horizontal
5	3984.54	32.70	-42.83	31.25	-74.14	-13.00	61.14	Horizontal
6	4648.63	32.78	-41.64	32.43	-71.70	-13.00	58.70	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.18	40.61	-47.48	25.14	-76.99	-13.00	63.99	Vertical
2	1992.27	36.83	-46.00	26.24	-78.19	-13.00	65.19	Vertical
3	2656.36	34.30	-44.77	28.06	-77.68	-13.00	64.68	Vertical
4	3320.45	34.42	-43.56	29.56	-74.83	-13.00	61.83	Vertical
5	3984.54	33.50	-42.83	31.25	-73.34	-13.00	60.34	Vertical
6	4648.63	33.28	-41.64	32.43	-71.20	-13.00	58.20	Vertical



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Test Band = LTE Band 71_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.18	39.20	-47.42	25.13	-78.36	-13.00	65.36	Horizontal
2	2022.27	36.04	-45.91	26.35	-78.79	-13.00	65.79	Horizontal
3	2696.36	33.33	-44.64	28.23	-78.35	-13.00	65.35	Horizontal
4	3370.45	32.16	-43.52	29.57	-77.05	-13.00	64.05	Horizontal
5	4044.54	32.48	-42.62	31.37	-74.03	-13.00	61.03	Horizontal
6	4718.63	33.52	-41.48	32.58	-70.64	-13.00	57.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.18	39.64	-47.42	25.13	-77.92	-13.00	64.92	Vertical
2	2022.27	36.33	-45.91	26.35	-78.50	-13.00	65.50	Vertical
3	2696.36	34.10	-44.64	28.23	-77.58	-13.00	64.58	Vertical
4	3370.45	32.88	-43.52	29.57	-76.33	-13.00	63.33	Vertical
5	4044.54	32.32	-42.62	31.37	-74.19	-13.00	61.19	Vertical
6	4718.63	32.17	-41.48	32.58	-71.99	-13.00	58.99	Vertical



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Test Band = LTE Band 71_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.18	39.56	-47.40	25.12	-77.98	-13.00	64.98	Horizontal
2	2037.27	36.70	-45.87	26.38	-78.05	-13.00	65.05	Horizontal
3	2716.36	33.10	-44.60	28.31	-78.45	-13.00	65.45	Horizontal
4	3395.45	32.37	-43.50	29.58	-76.81	-13.00	63.81	Horizontal
5	4074.54	32.39	-42.48	31.42	-73.93	-13.00	60.93	Horizontal
6	4753.63	32.36	-41.49	32.66	-71.73	-13.00	58.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.18	39.64	-47.40	25.12	-77.90	-13.00	64.90	Vertical
2	2037.27	36.49	-45.87	26.38	-78.26	-13.00	65.26	Vertical
3	2716.36	33.39	-44.60	28.31	-78.16	-13.00	65.16	Vertical
4	3395.45	33.82	-43.50	29.58	-75.36	-13.00	62.36	Vertical
5	4074.54	32.86	-42.48	31.42	-73.46	-13.00	60.46	Vertical
6	4753.63	32.10	-41.49	32.66	-71.99	-13.00	58.99	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

$$AF = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier (dB)}$$

$$\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$$

$$\text{Margin} = \text{Limit} - \text{Level}$$


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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	1.30	0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	1.50	0.002196	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	0.80	0.001171	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	0.10	0.000146	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	0.70	0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-0.70	-0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	3.10	0.004539	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.40	0.002050	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	2.90	0.004246	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	0.70	0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	2.10	0.003075	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	0.10	0.000146	PASS

--- End of Attachment ---



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