Appendix B.12

LTE Band 71

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.11	17.46	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.29	17.64	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.01	17.36	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.15	16.5	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.01	17.36	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.25	17.6	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.97	17.32	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.13	16.48	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.03	17.38	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.24	17.59	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.97	17.32	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.14	16.49	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.3	16.65	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.45	16.8	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.27	16.62	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.08	15.43	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.27	16.62	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.51	16.86	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.28	16.63	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.11	15.46	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.21	16.56	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.54	16.89	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.25	16.6	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.15	15.5	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.24	15.59	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.42	15.77	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.14	15.49	34.77	PASS

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Band71	5MHz	64QAM	133147	25RB#0	21.07	14.42	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.15	15.5	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.32	15.67	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.13	15.48	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.12	14.47	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.18	15.53	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.41	15.76	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.24	15.59	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.15	14.5	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.18	17.53	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.18	17.53	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.06	17.41	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.18	16.53	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.1	17.45	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.15	17.5	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.02	17.37	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.19	16.54	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.1	17.45	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.24	17.59	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.08	17.43	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.19	16.54	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.37	16.72	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.46	16.81	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.34	16.69	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.13	15.48	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.41	16.76	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.35	16.7	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.33	16.68	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.17	15.52	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.26	16.61	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.48	16.83	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.34	16.69	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.2	15.55	34.77	PASS

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Band71	10MHz	64QAM	133172	1RB#0	22.32	15.67	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.28	15.63	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.25	15.6	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.13	14.48	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.29	15.64	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.23	15.58	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.18	15.53	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.16	14.51	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.22	15.57	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.4	15.75	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.18	15.53	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.18	14.53	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.12	17.47	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.15	17.5	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.98	17.33	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.19	16.54	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.06	17.41	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.08	17.43	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.01	17.36	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.16	16.51	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.02	17.37	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.15	17.5	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.01	17.36	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.18	16.53	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.32	16.67	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.3	16.65	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.28	16.63	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.14	15.49	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.3	16.65	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.33	16.68	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.19	16.54	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.13	15.48	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.21	16.56	34.77	PASS

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Band71	15MHz	16QAM	133397	1RB#38	23.33	16.68	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.3	16.65	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.16	15.51	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.26	15.61	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.24	15.59	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.17	15.52	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.12	14.47	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.16	15.51	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.18	15.53	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.09	15.44	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.13	14.48	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.18	15.53	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.36	15.71	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.23	15.58	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.14	14.49	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.96	17.31	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.21	17.56	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.78	17.13	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.11	16.46	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.87	17.22	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.17	17.52	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.84	17.19	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.11	16.46	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.84	17.19	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.2	17.55	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.83	17.18	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.11	16.46	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.21	16.56	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.45	16.8	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.02	16.37	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.07	15.42	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.09	16.44	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.48	16.83	34.77	PASS

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Band71	20MHz	16QAM	133322	1RB#99	23.09	16.44	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.04	15.39	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.14	16.49	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.5	16.85	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.03	16.38	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.1	15.45	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.13	15.48	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.38	15.73	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.91	15.26	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.04	14.39	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.03	15.38	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.4	15.75	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.06	15.41	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.05	14.4	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22	15.35	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.28	15.63	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.99	15.34	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.1	14.45	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	5.42	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.44	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.44	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.18	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.20	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.14	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.34	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.32	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.36	13	PASS

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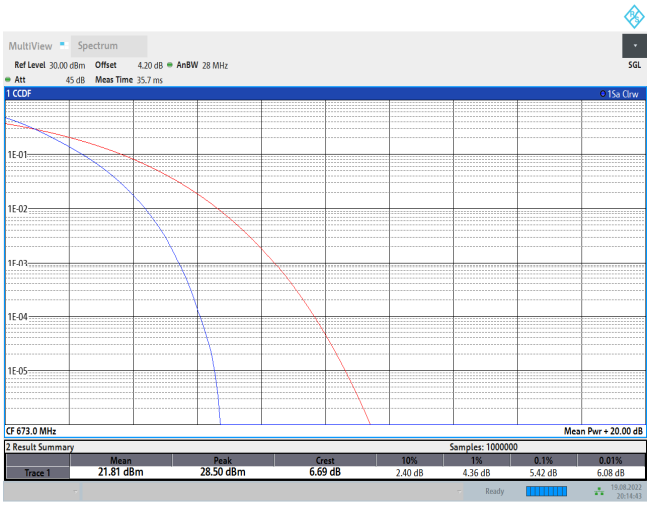
Test Graphs

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



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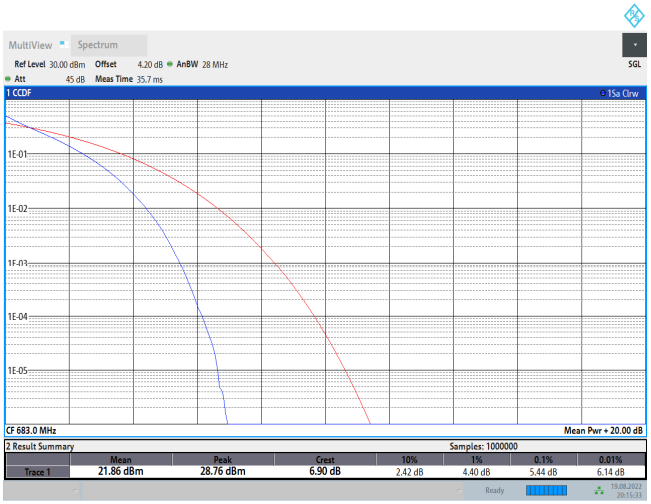
Band71-20MHz-QPSK-133322-100RB#0



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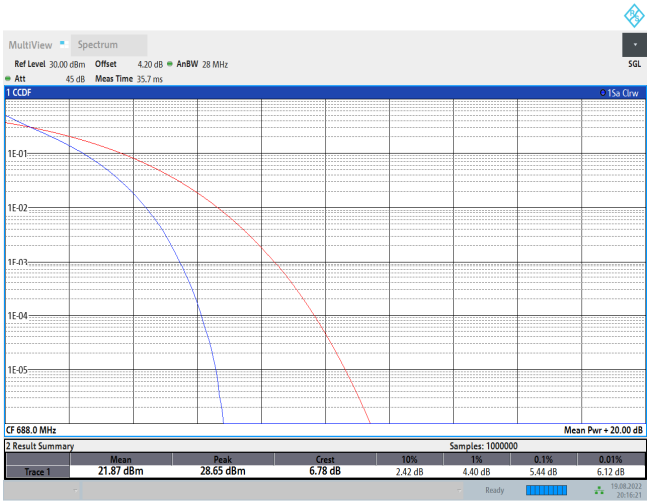
Band71-20MHz-QPSK-133372-100RB#0



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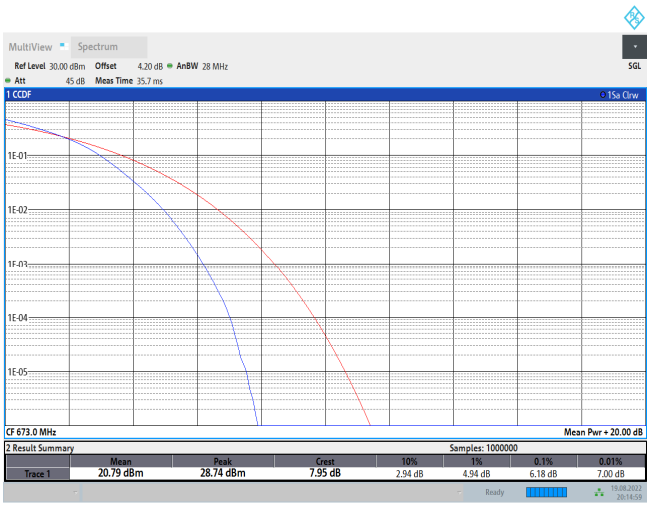
Band71-20MHz-16QAM-133222-100RB#0



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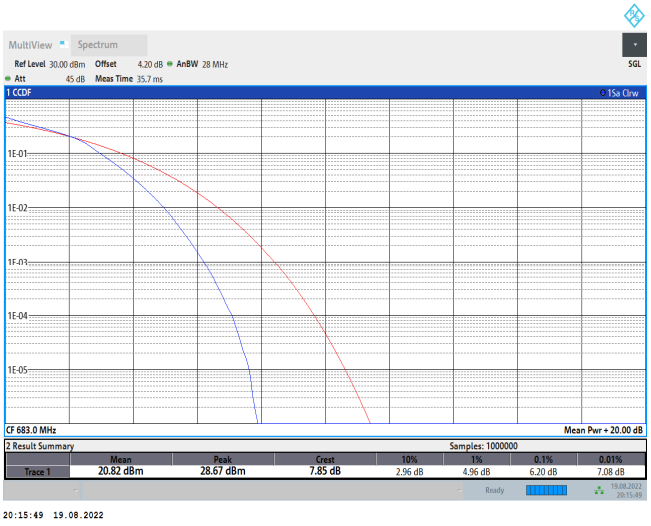
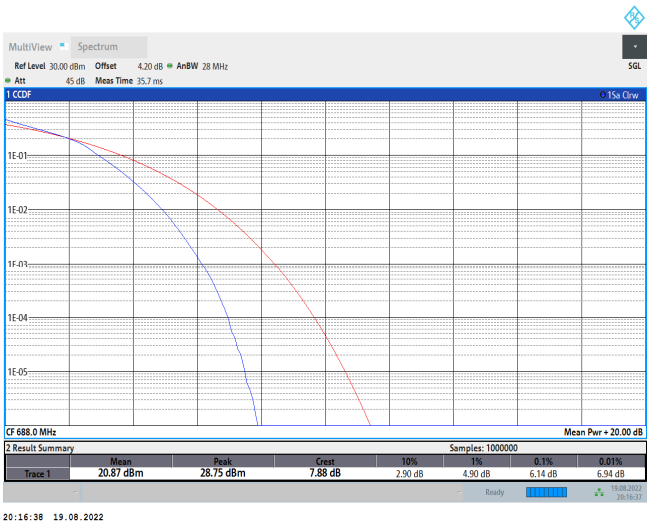
Band71-20MHz-16QAM-133322-100RB#0



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



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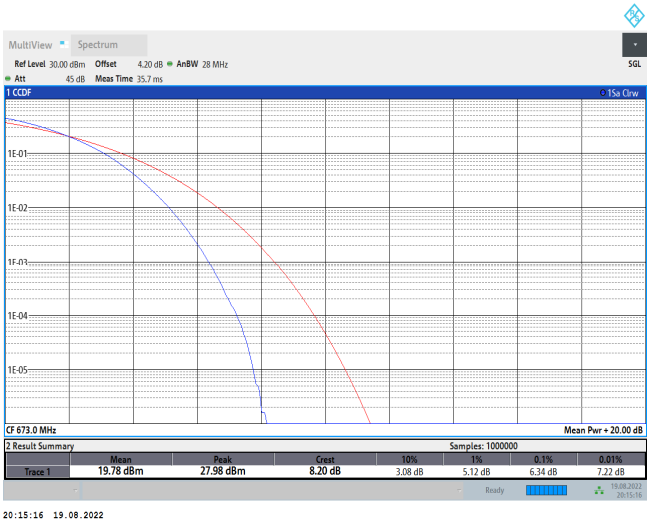
Band71-20MHz-64QAM-133222-100RB#0



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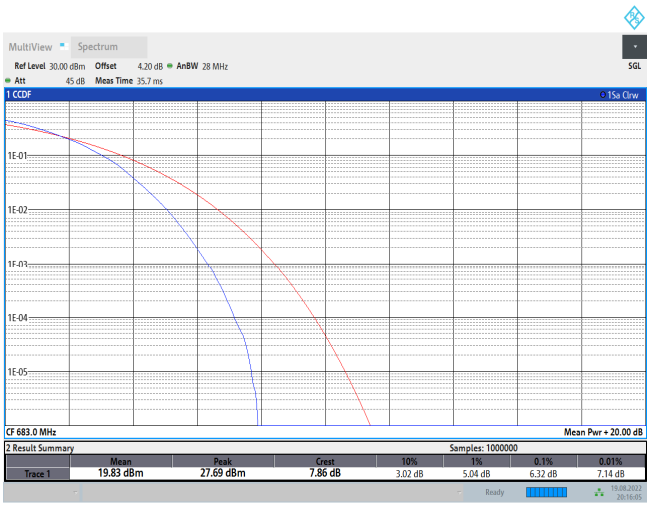
Band71-20MHz-64QAM-133322-100RB#0



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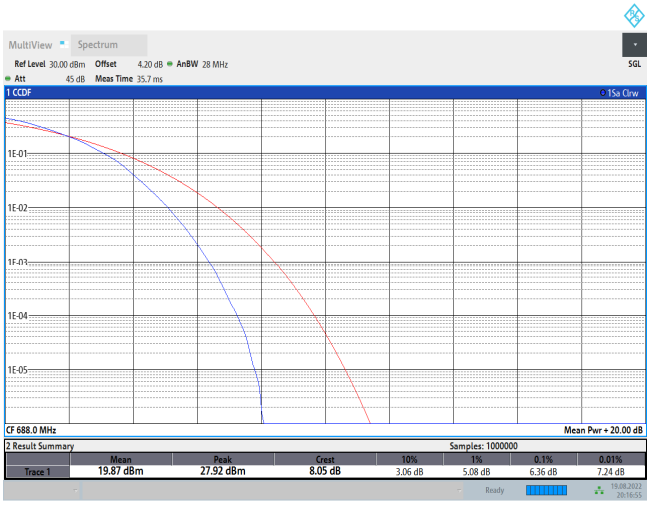
Band71-20MHz-64QAM-133372-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band71	20MHz	QPSK	133322	100RB#0	PASS	PASS
Band71	20MHz	16QAM	133322	100RB#0	PASS	PASS
Band71	20MHz	64QAM	133322	100RB#0	PASS	PASS

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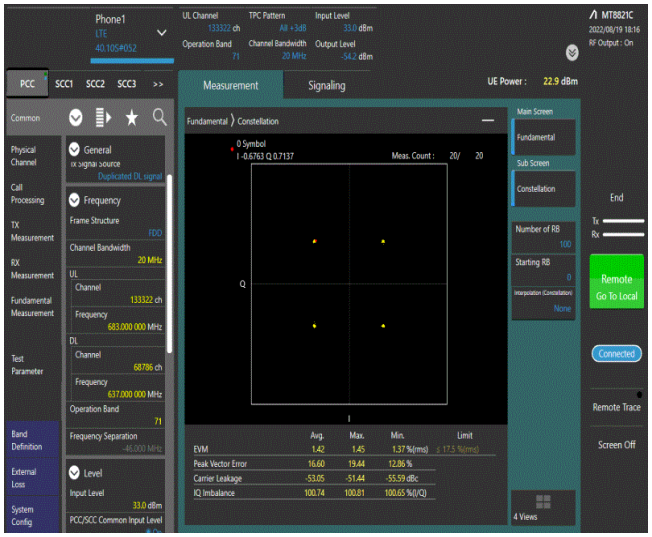
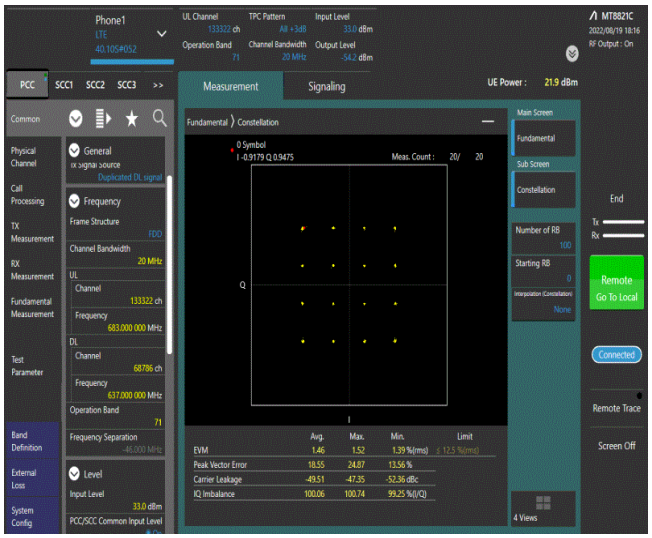
Test Graphs

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



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



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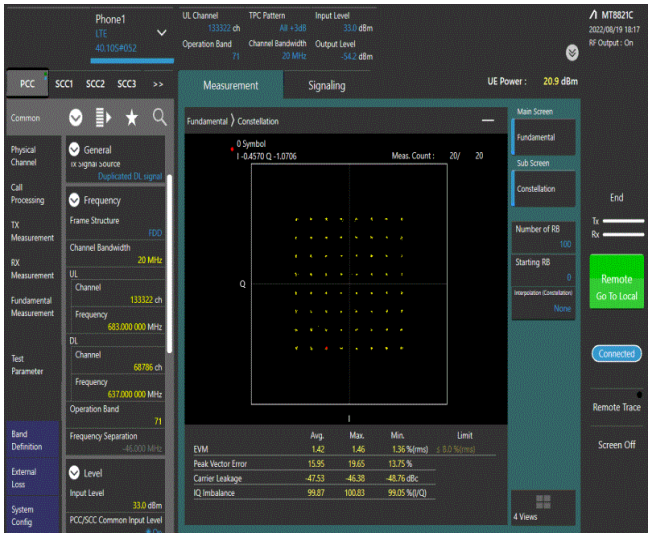

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.477	5.03	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.475	5.03	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.471	5.03	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.473	5.04	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.471	5.03	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.471	5.05	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.486	5.04	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.485	5.05	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.482	5.04	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.945	9.78	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.945	9.82	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.938	9.84	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.917	9.86	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.93	9.90	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.929	9.82	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.941	9.80	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.944	9.90	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.943	9.86	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.461	15.54	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.505	15.12	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.492	14.94	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.46	15.15	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.482	15.12	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.483	15.09	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.445	15.06	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.473	15.09	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.466	15.18	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.93	19.80	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.925	19.92	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.92	19.76	PASS

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Band71	20MHz	16QAM	133222	100RB#0	17.906	19.76	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.908	19.72	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.898	19.56	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.883	19.68	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.906	19.80	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.879	19.80	PASS

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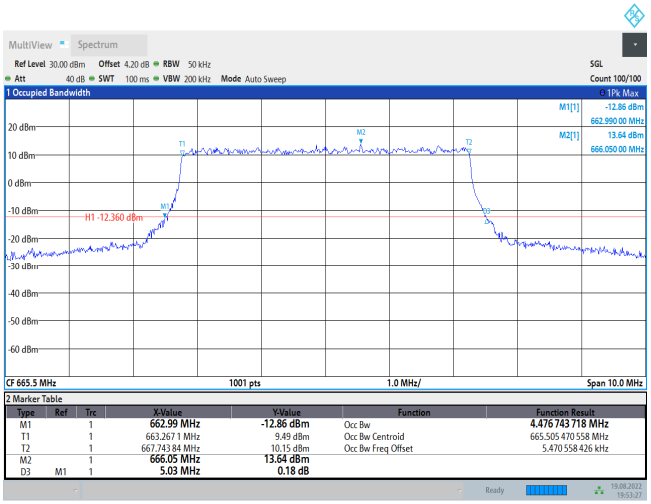
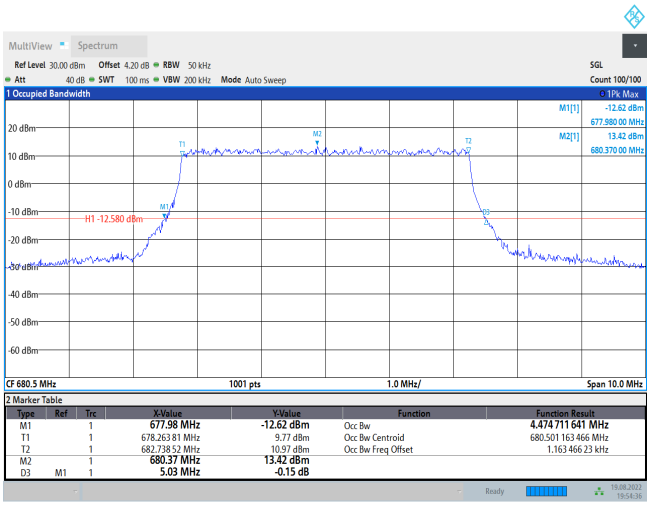
Test Graphs

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



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



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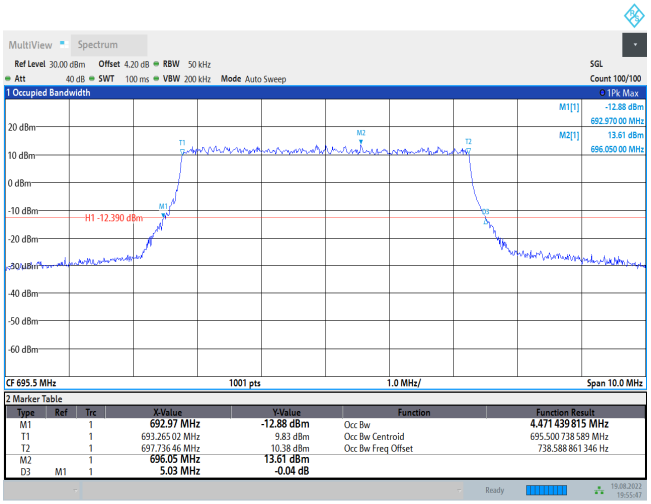
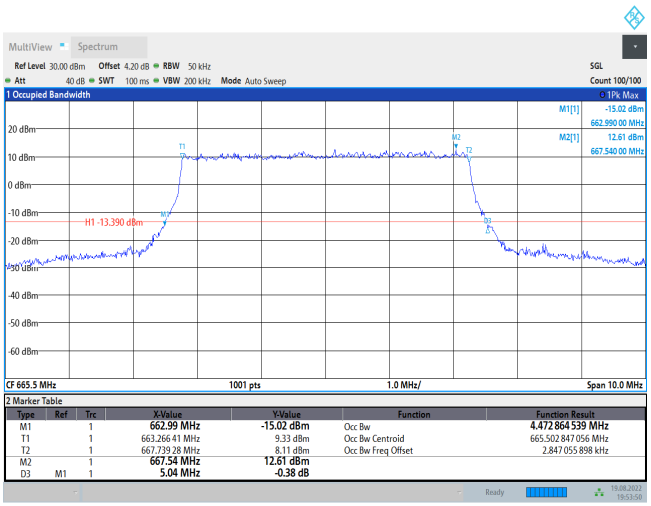
Band71-5MHz-QPSK-133447-25RB#0



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



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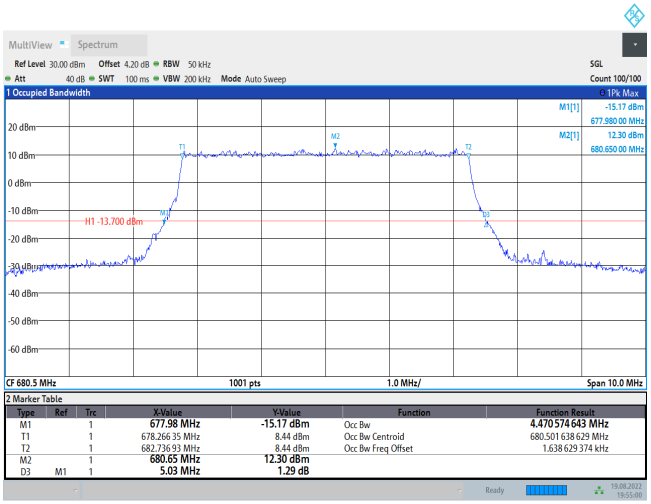
Band71-5MHz-16QAM-133297-25RB#0



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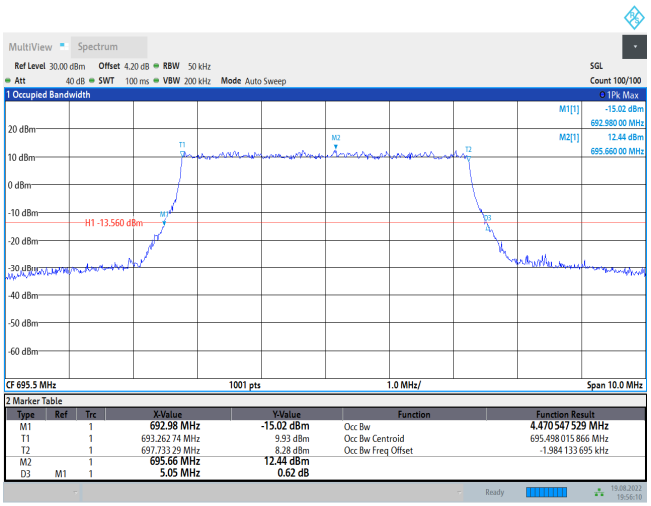
Band71-5MHz-16QAM-133447-25RB#0



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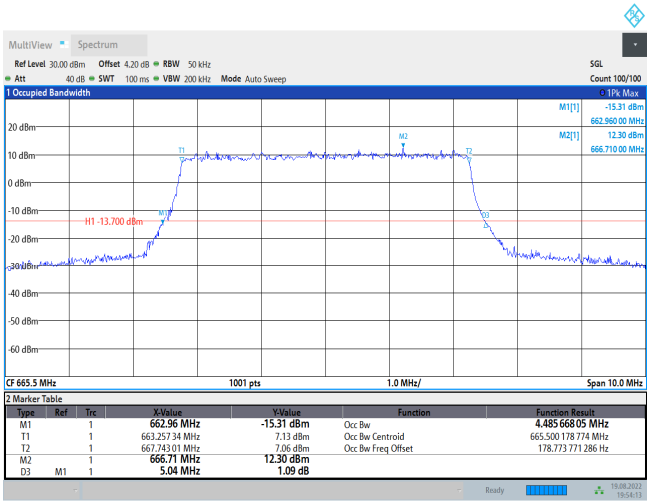
Band71-5MHz-64QAM-133147-25RB#0



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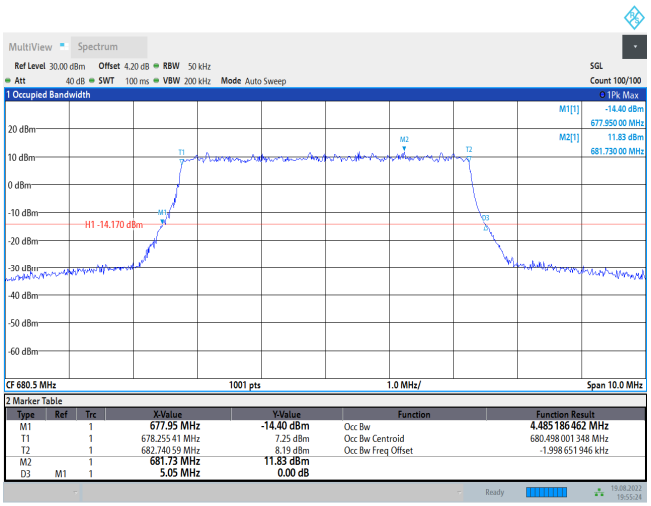
Band71-5MHz-64QAM-133297-25RB#0



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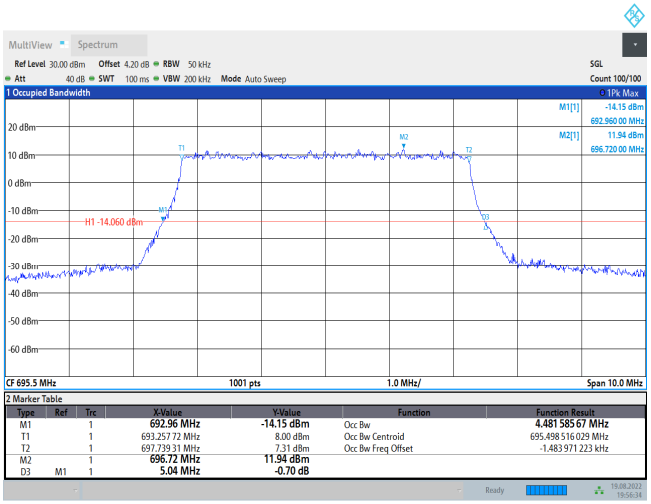
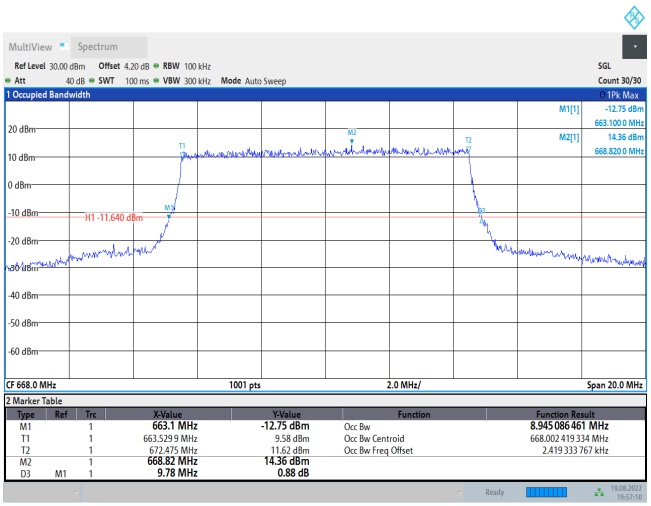
Band71-5MHz-64QAM-133447-25RB#0



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



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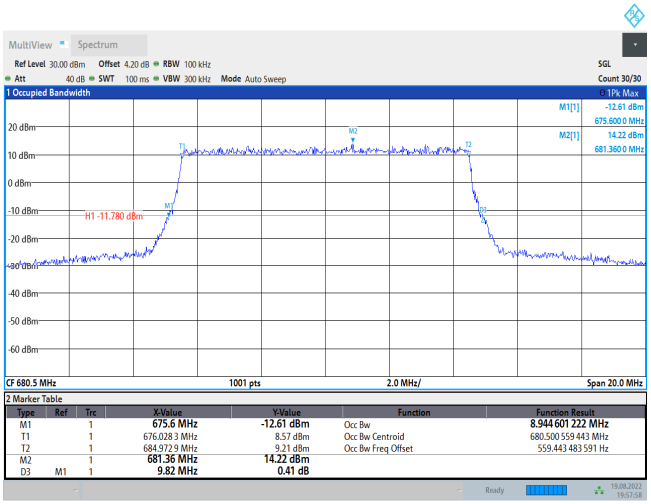
Band71-10MHz-QPSK-133297-50RB#0



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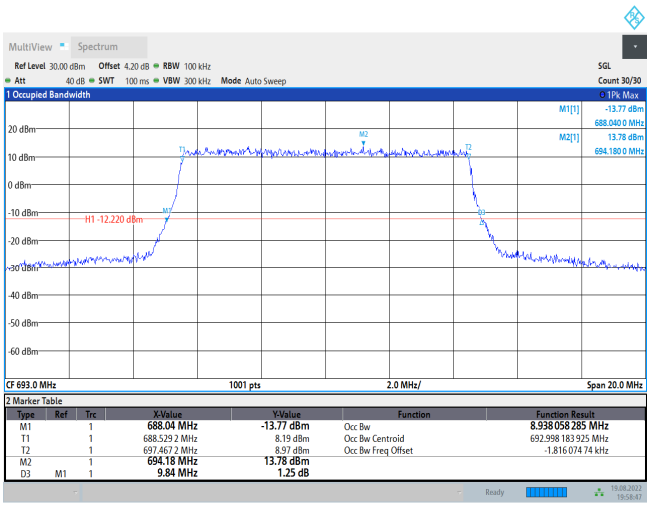
Band71-10MHz-QPSK-133422-50RB#0



19:58:48 19.08.2022

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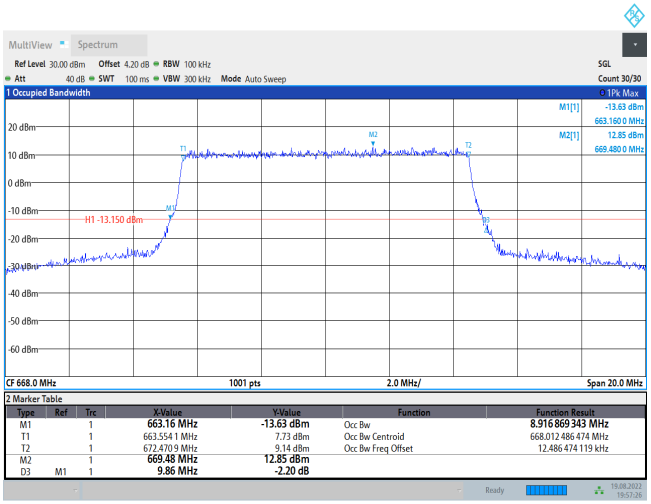
Band71-10MHz-16QAM-133172-50RB#0



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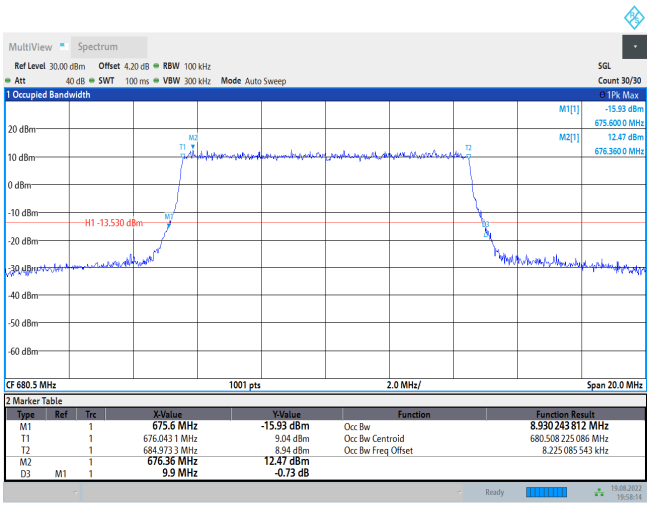
Band71-10MHz-16QAM-133297-50RB#0



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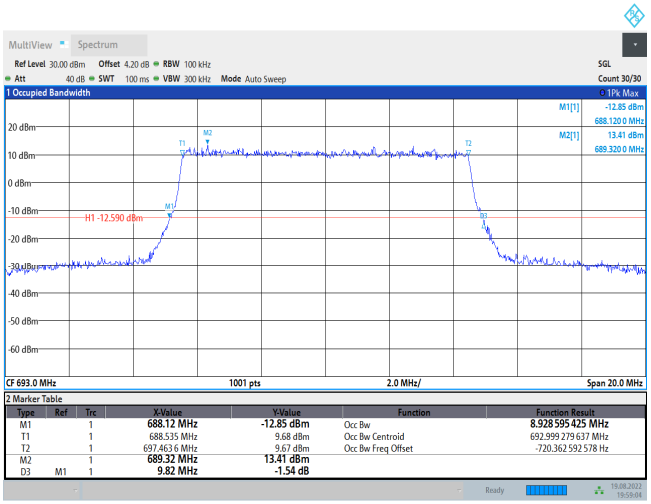
Band71-10MHz-16QAM-133422-50RB#0



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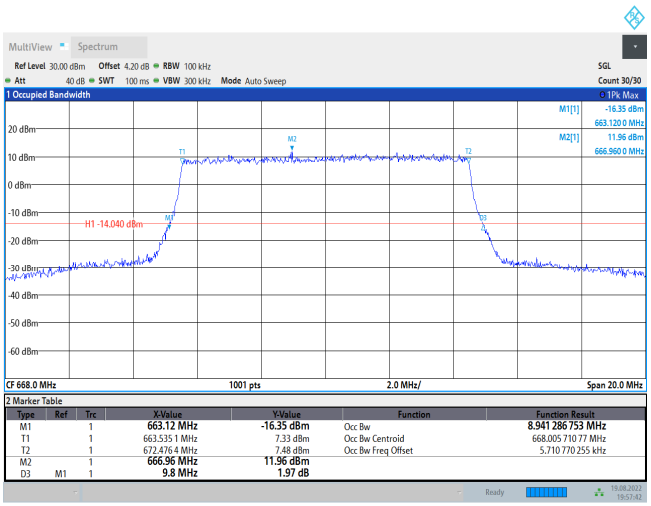
Band71-10MHz-64QAM-133172-50RB#0



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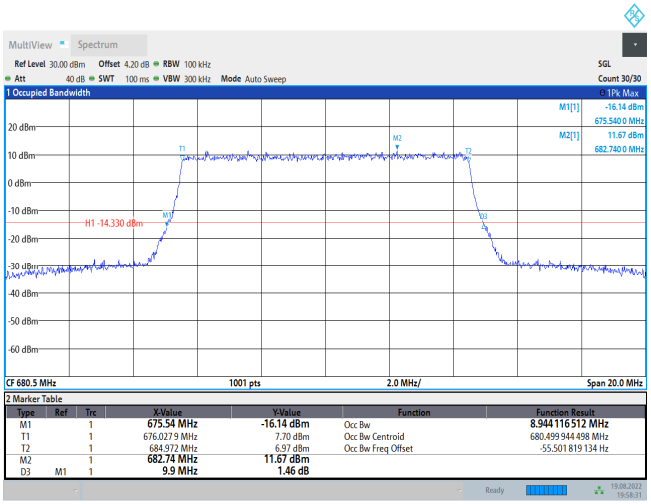
Band71-10MHz-64QAM-133297-50RB#0



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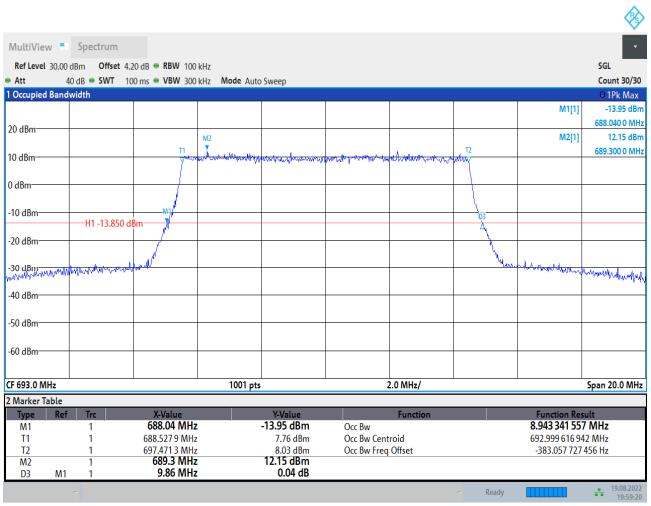
Band71-10MHz-64QAM-133422-50RB#0



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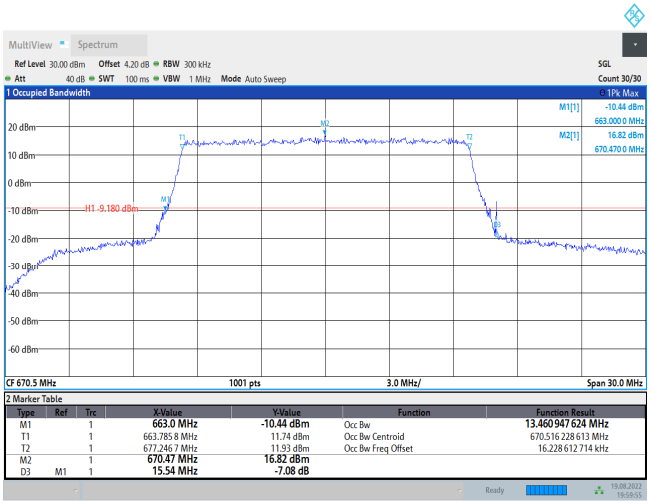
Band71-15MHz-QPSK-133197-75RB#0



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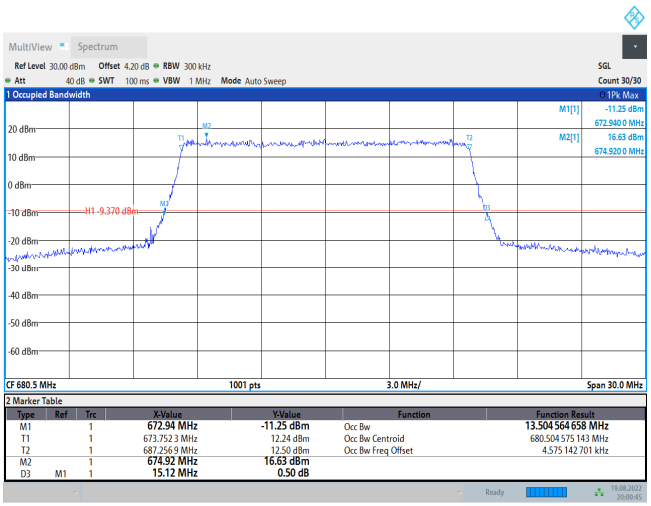

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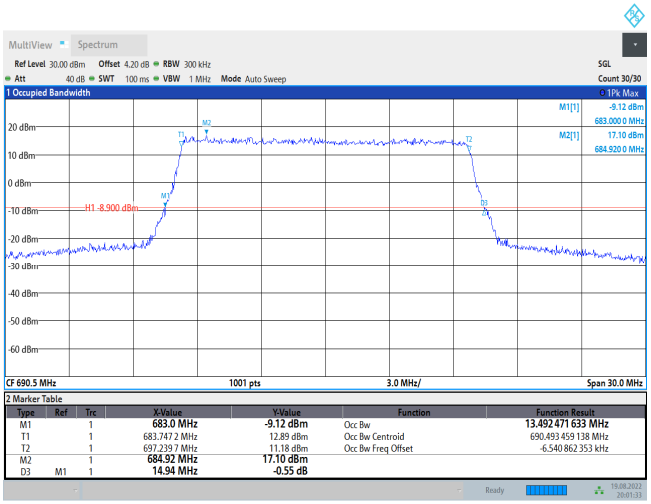
Band71-15MHz-QPSK-133397-75RB#0



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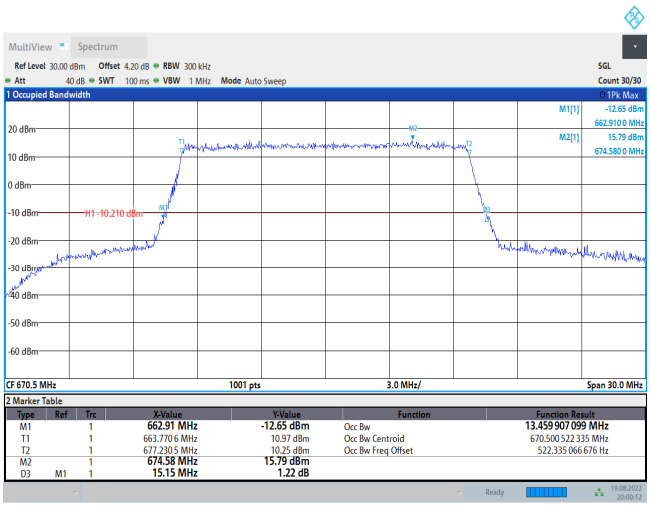

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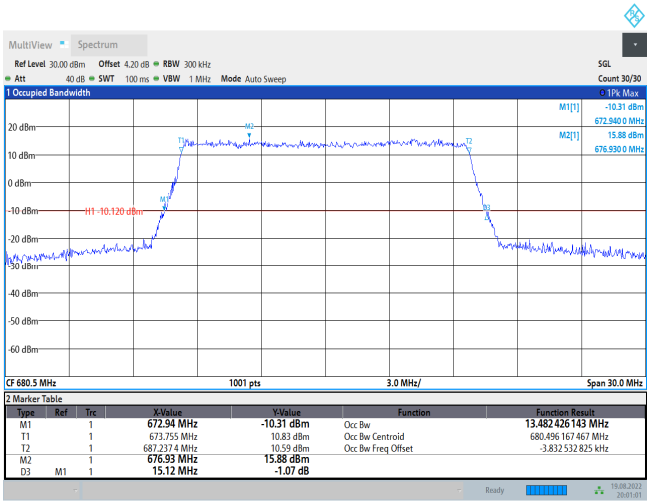
Band71-15MHz-16QAM-133297-75RB#0



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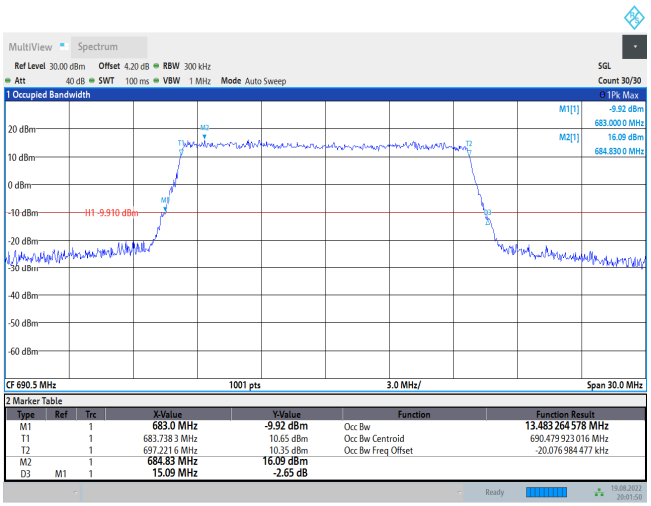

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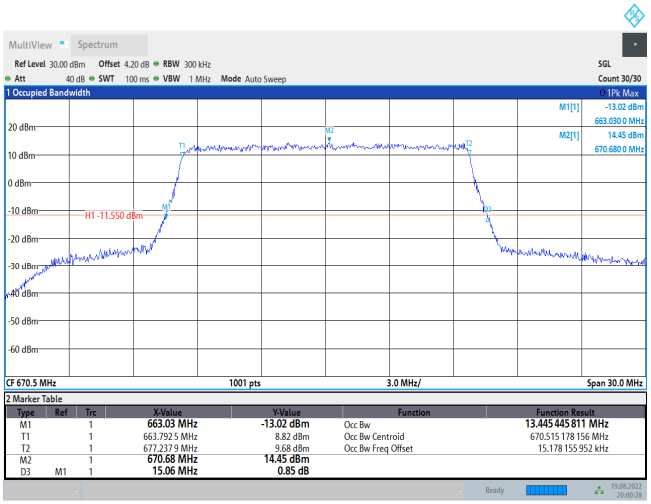
Band71-15MHz-64QAM-133197-75RB#0



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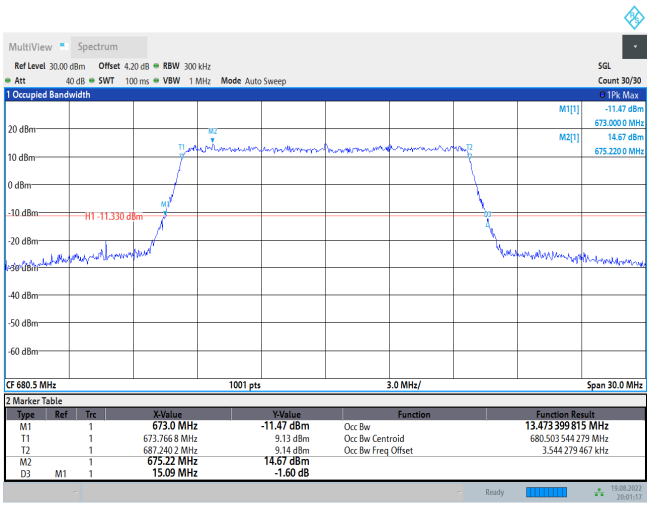

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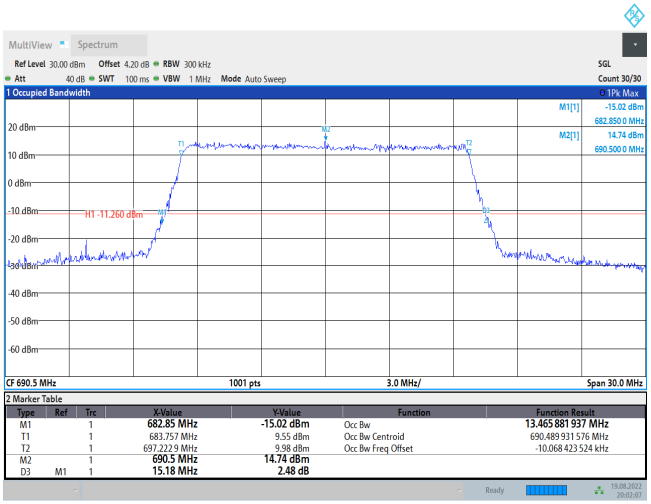

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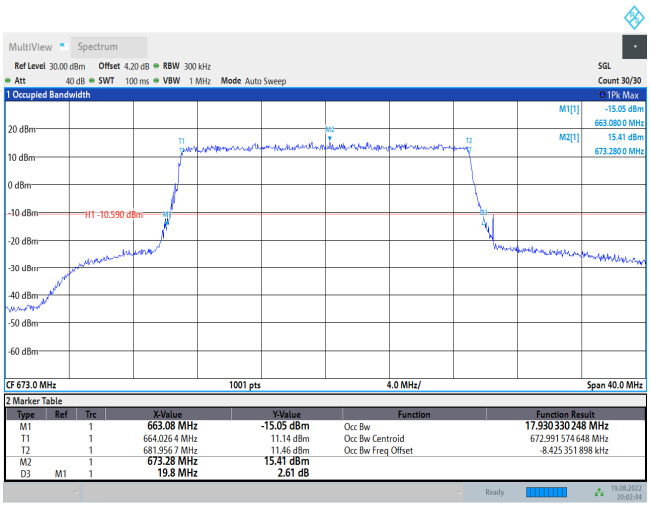

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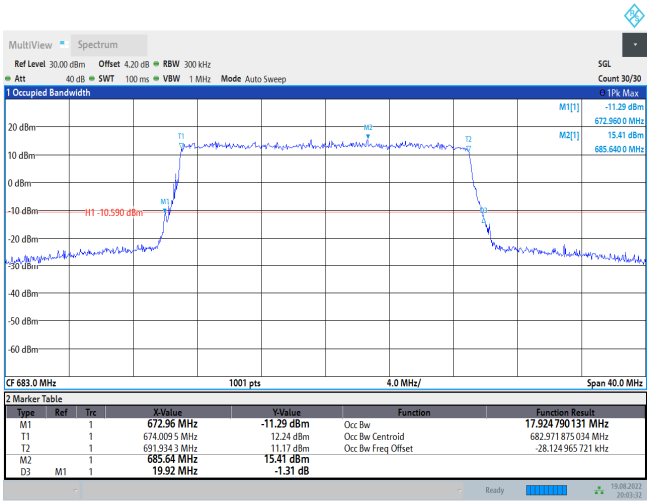
Band71-20MHz-QPSK-133322-100RB#0



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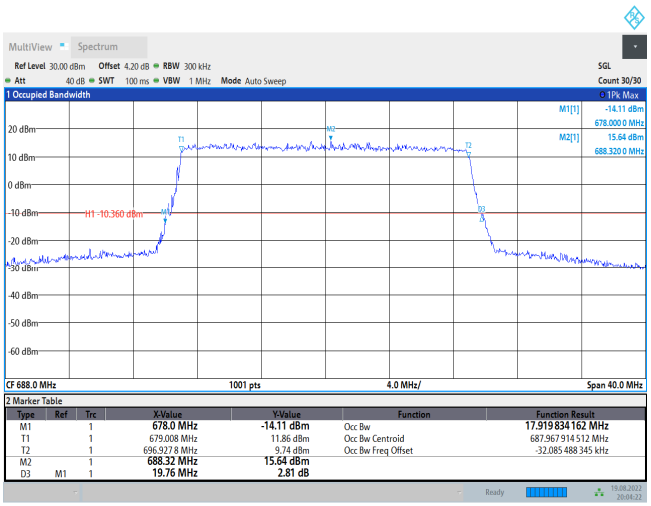

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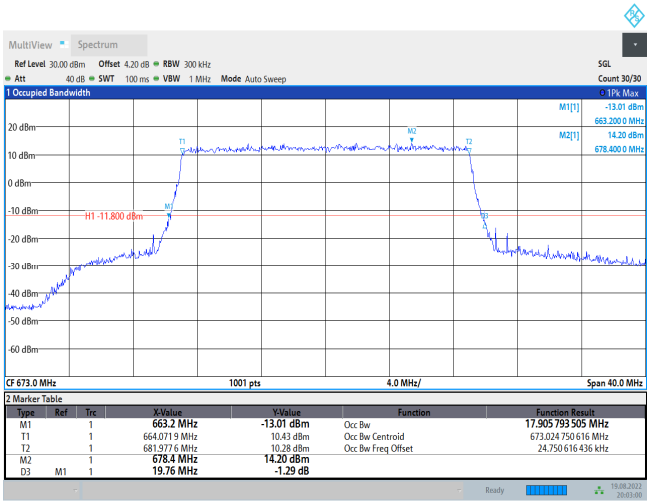
Band71-20MHz-16QAM-133222-100RB#0



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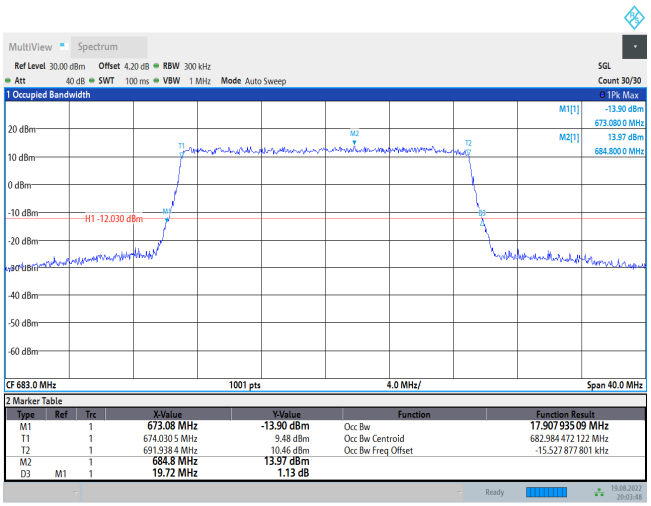

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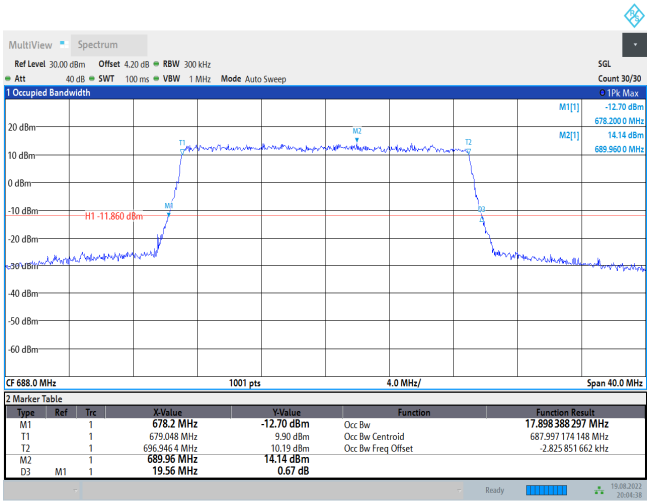

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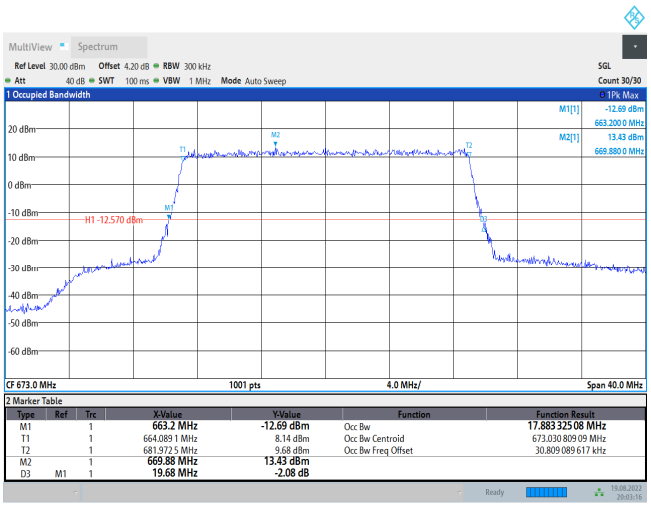

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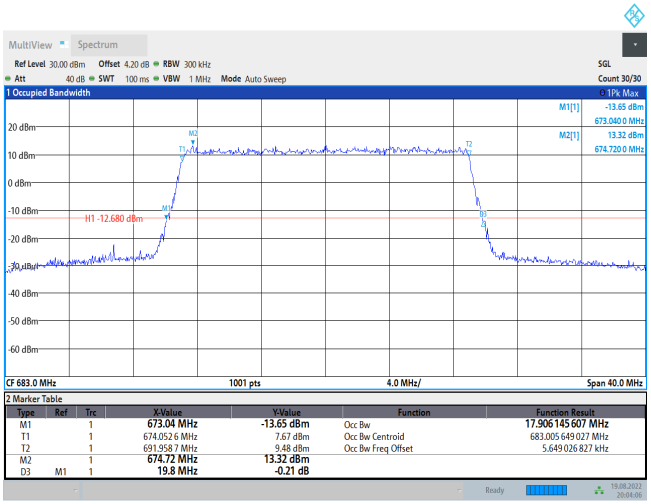
Band71-20MHz-64QAM-133322-100RB#0



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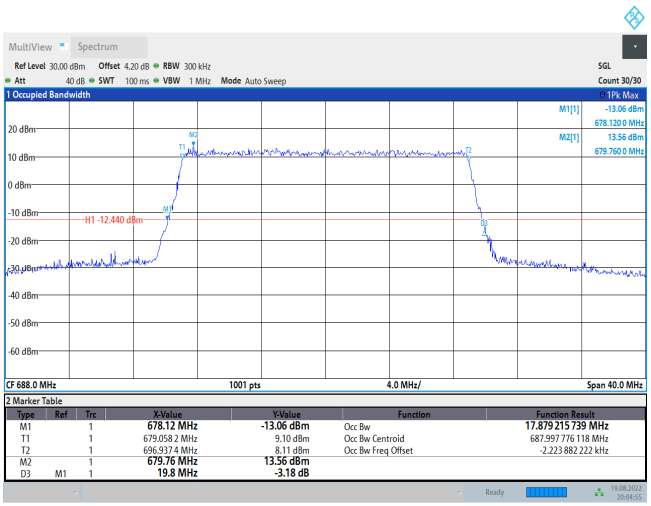

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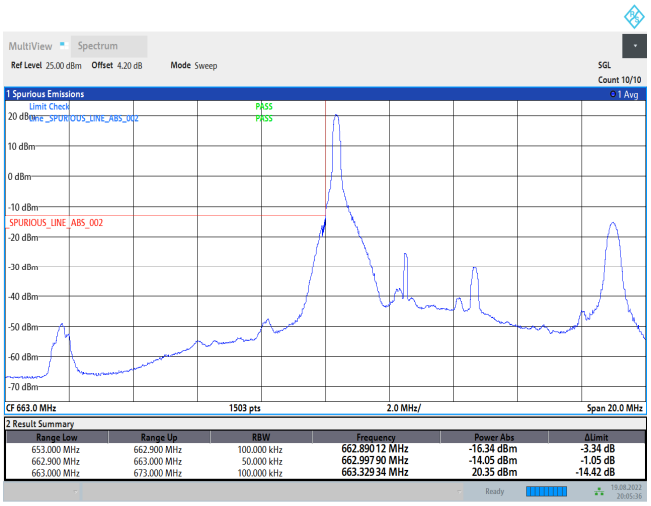
Band Edge

Test Graphs

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



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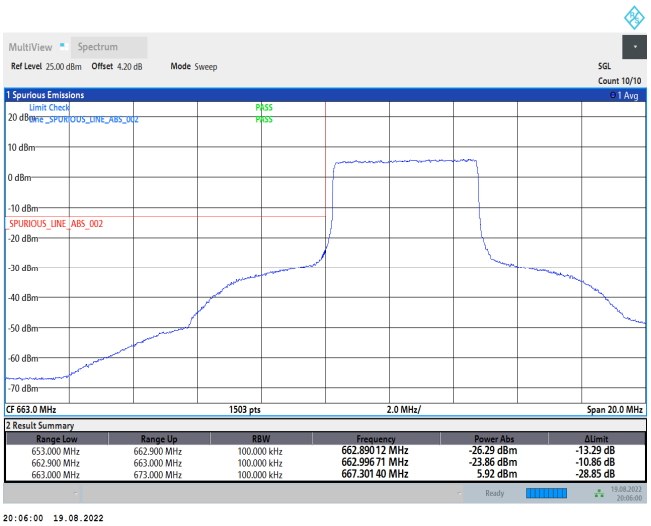

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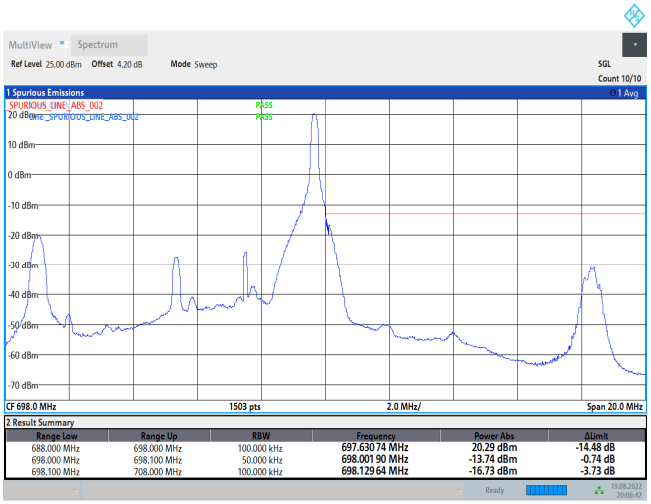
Band71-5MHz-QPSK-133447-1RB#24



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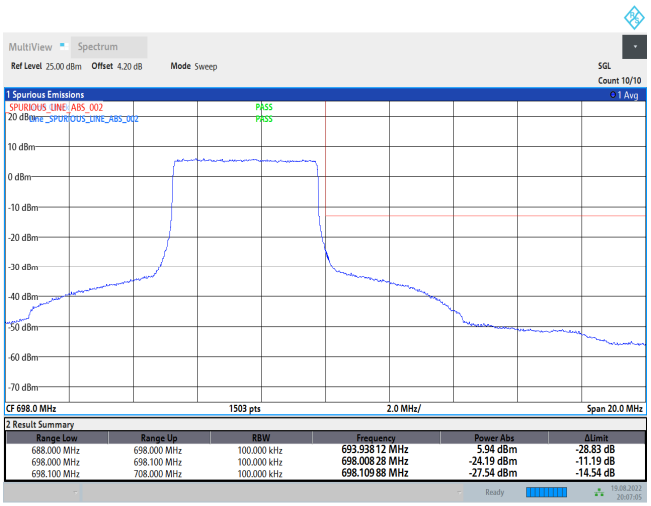
Band71-5MHz-QPSK-133447-25RB#0



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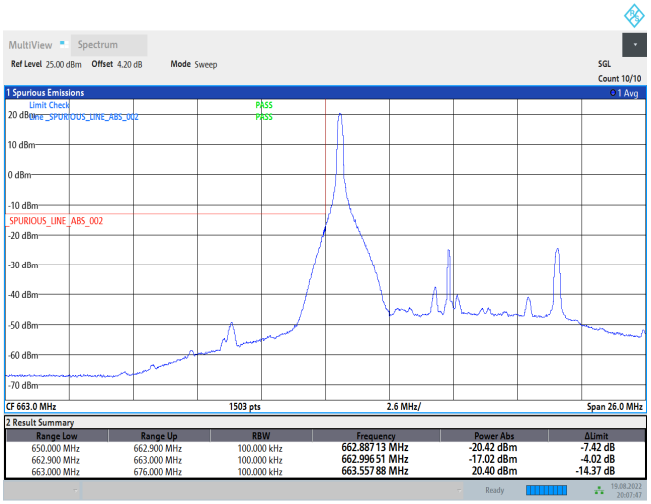
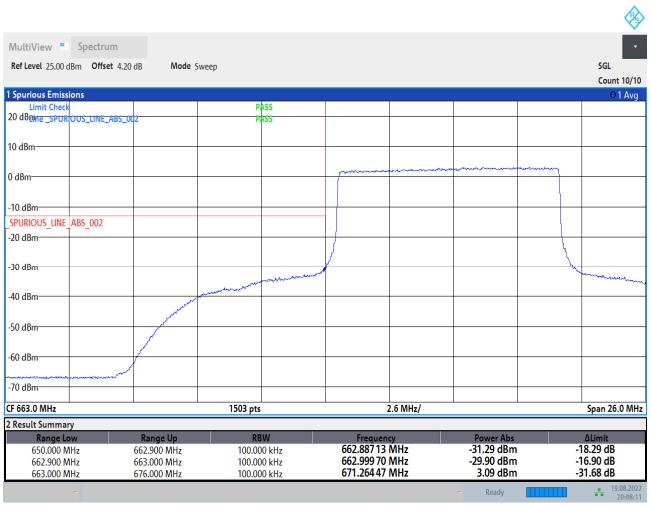
Band71-10MHz-QPSK-133172-1RB#0



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



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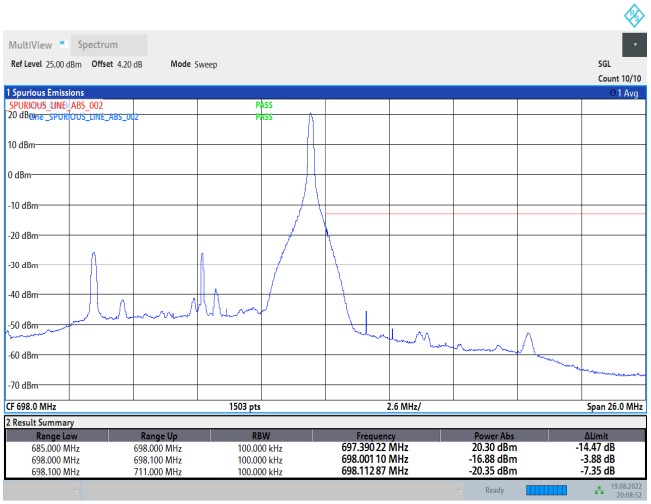
Band71-10MHz-QPSK-133422-1RB#49



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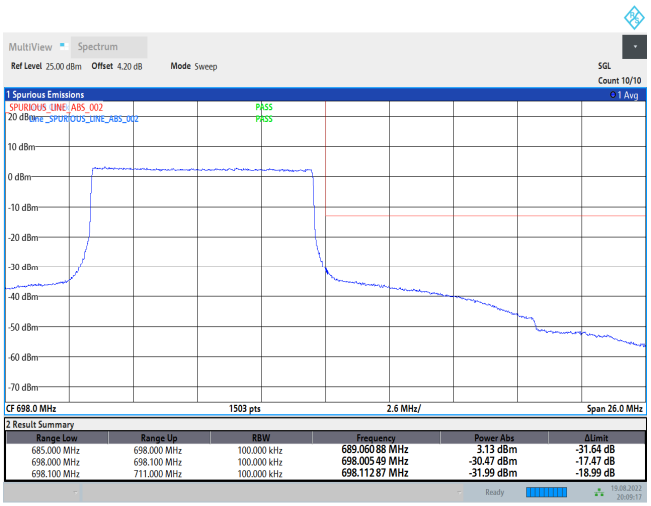
Band71-10MHz-QPSK-133422-50RB#0



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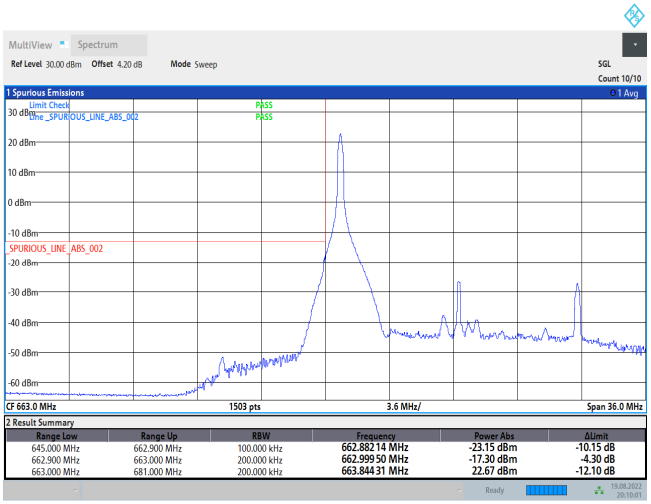
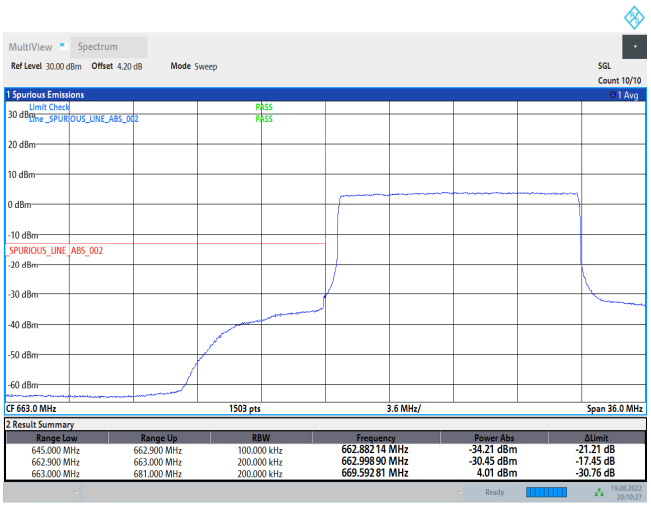
Band71-15MHz-QPSK-133197-1RB#0



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



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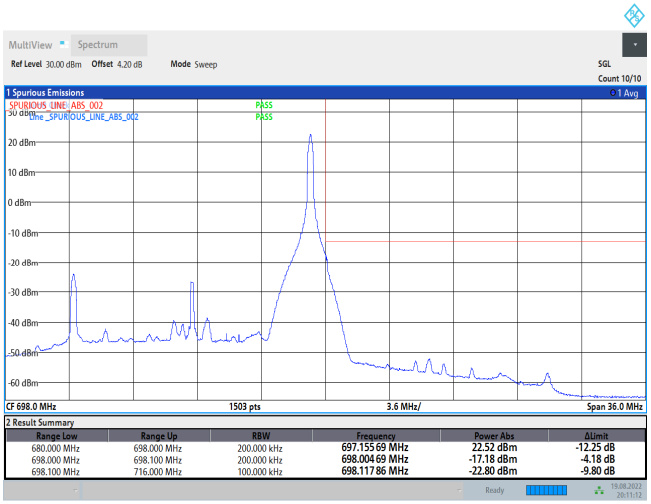
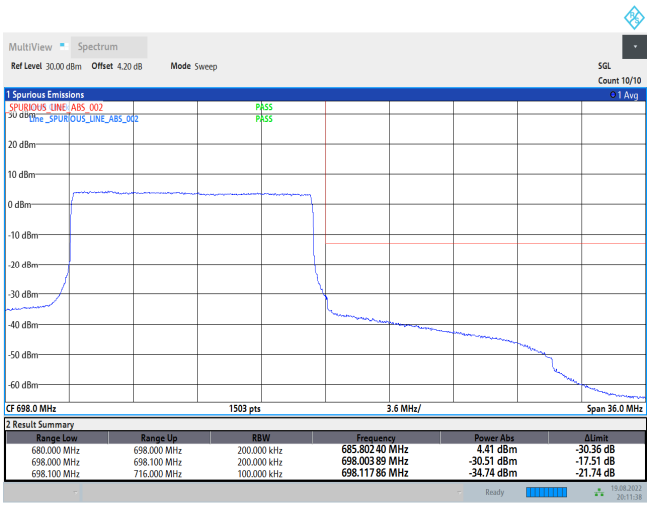
Band71-15MHz-QPSK-133397-1RB#74



20:11:12 19.08.2022

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



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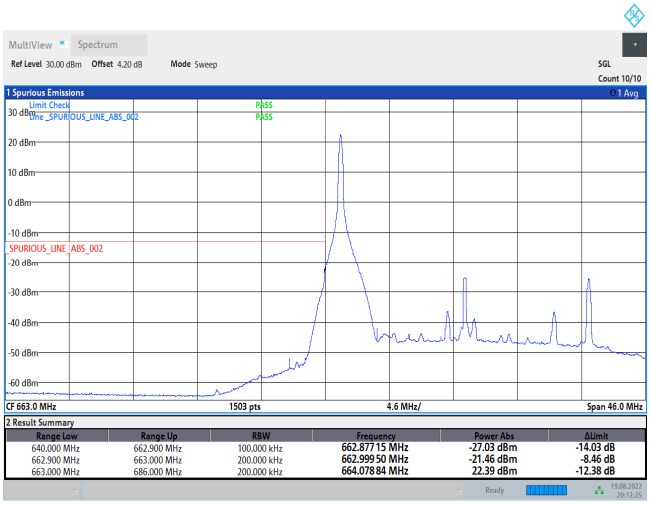
Band71-20MHz-QPSK-133222-1RB#0



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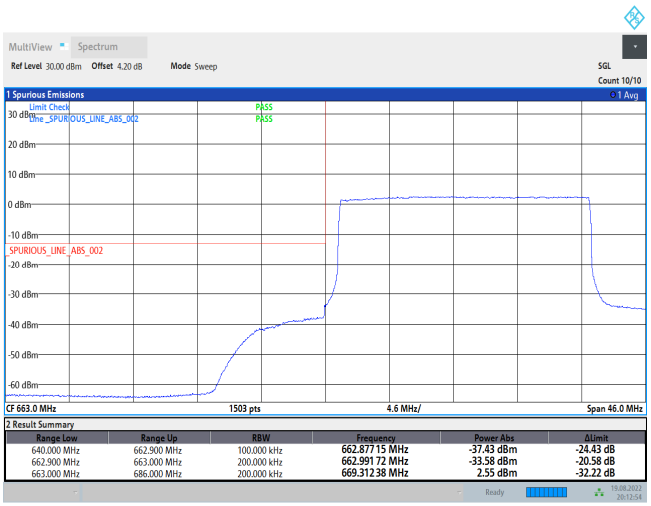

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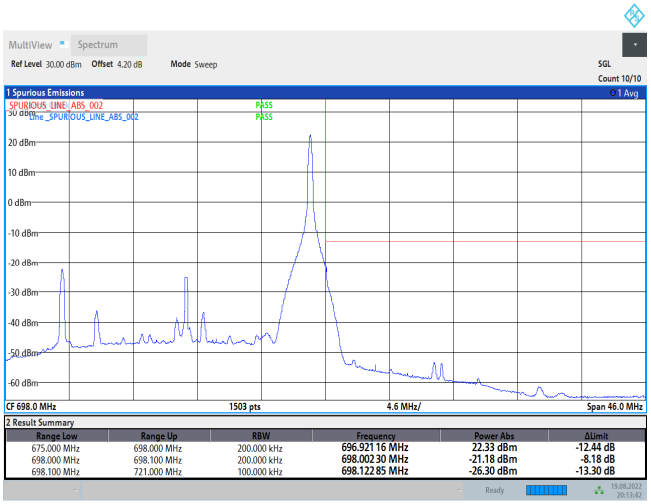
Band71-20MHz-QPSK-133372-1RB#99



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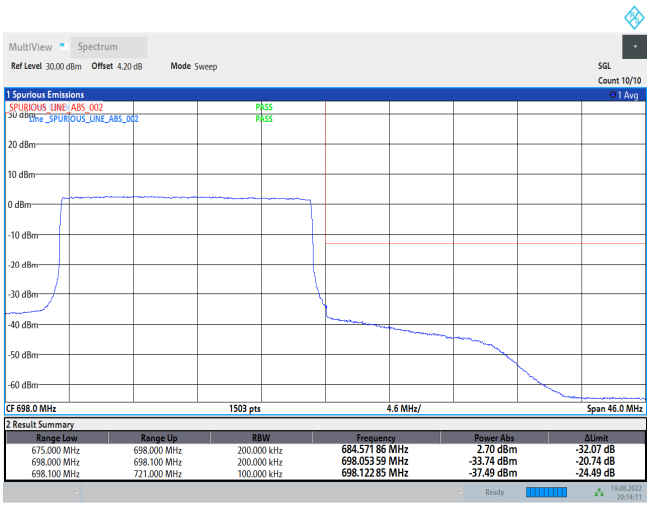
Band71-20MHz-QPSK-133372-100RB#0



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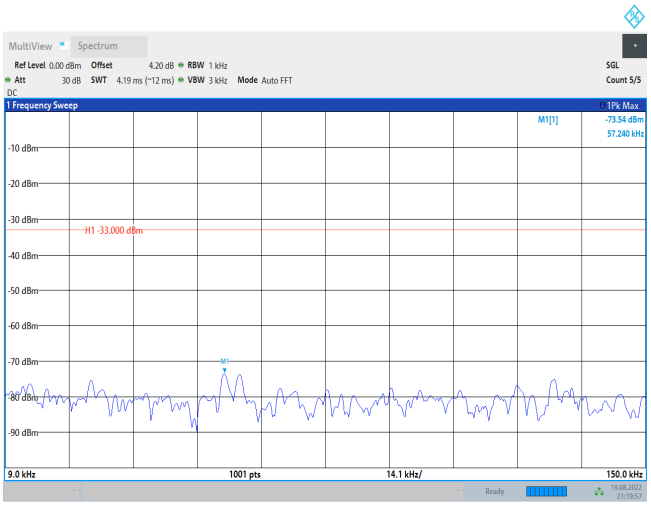
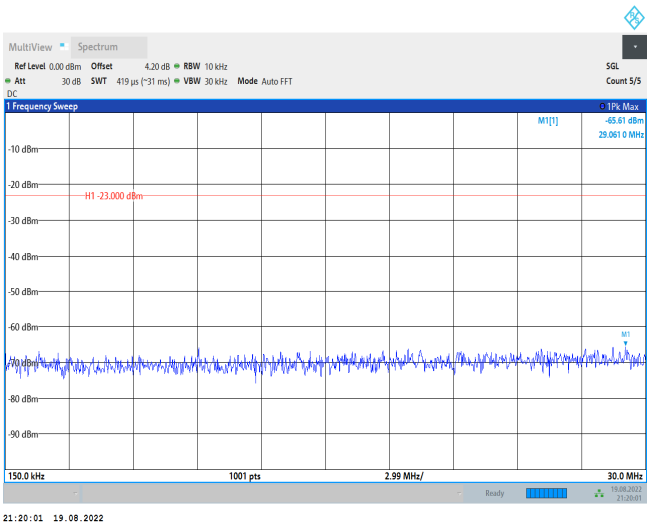
Conducted Spurious Emission

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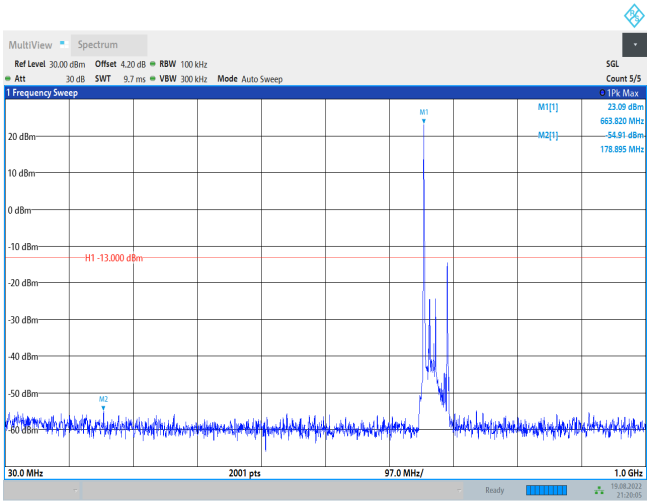
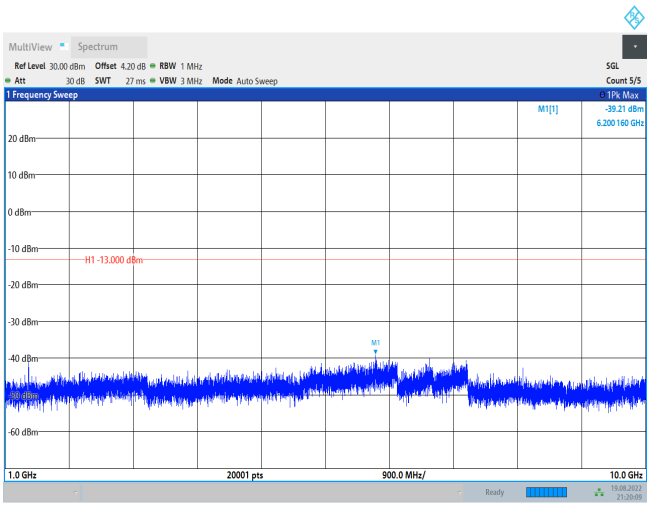
Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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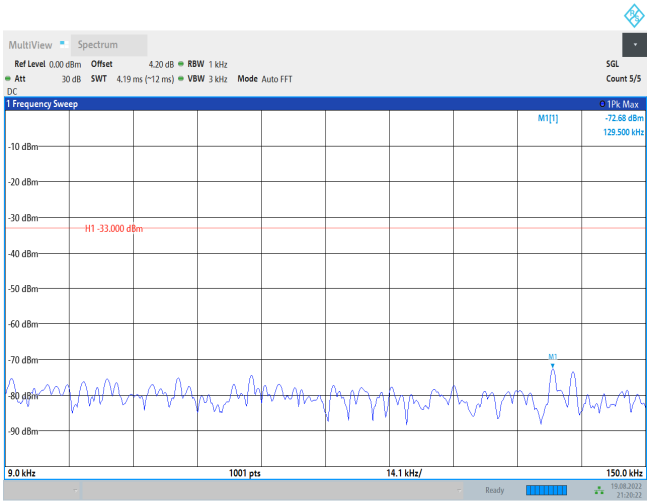
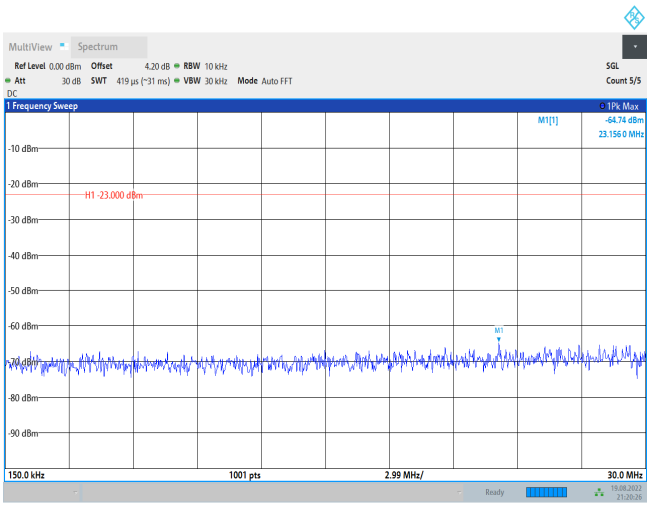
Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



21:20:23 19.08.2022

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



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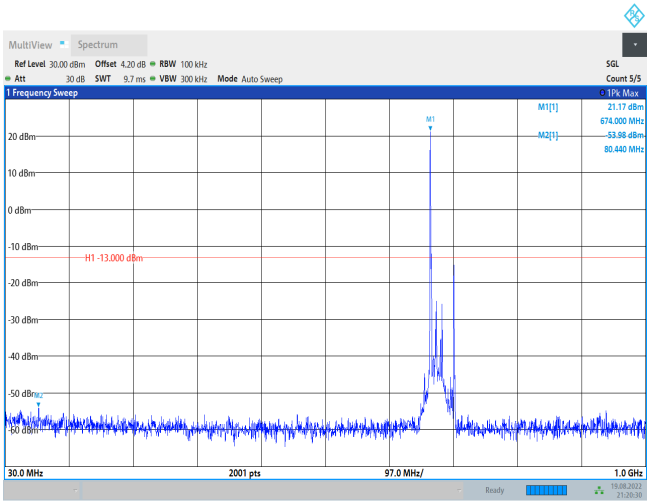
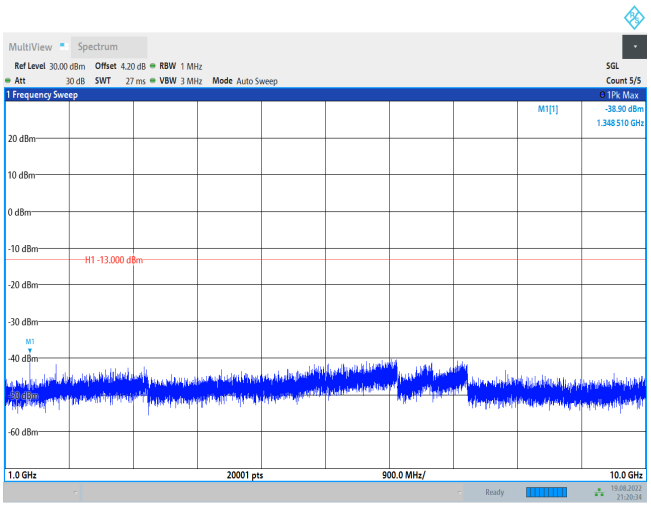
Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



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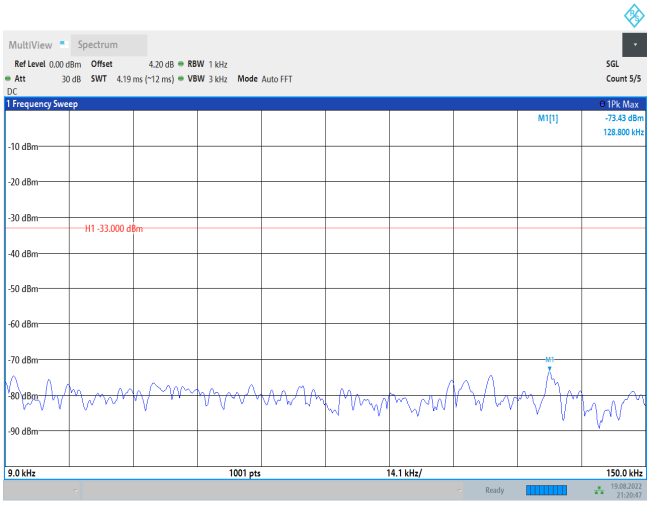
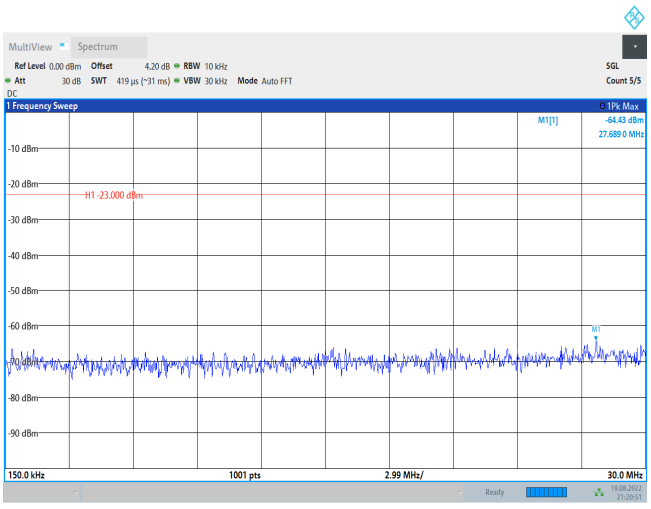
Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



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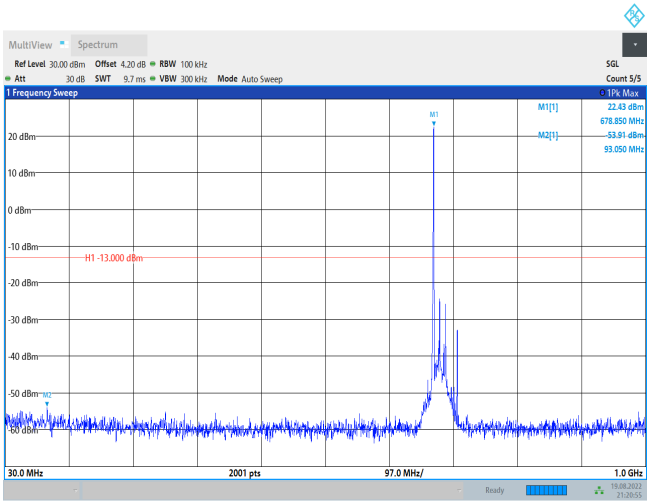
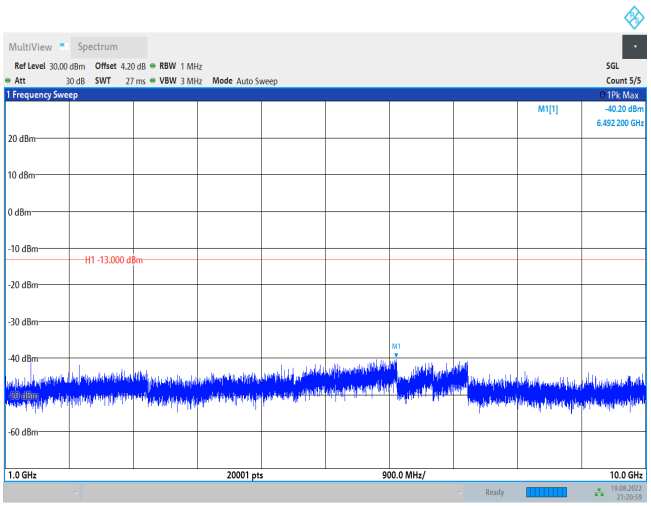
Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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



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检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. Wireless Laboratory

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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation

Test Band = LTE Band71_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	51.50	-48.09	25.61	-66.24	-13.00	53.24	216	3	Horizontal
2	1992.2700	49.19	-47.91	26.59	-67.39	-13.00	54.39	145	253	Horizontal
3	2656.3600	50.41	-47.00	28.21	-63.64	-13.00	50.64	123	360	Horizontal
4	3320.4500	50.17	-46.65	29.53	-62.21	-13.00	49.21	261	275	Horizontal
5	3984.5400	48.05	-46.20	30.76	-62.65	-13.00	49.65	185	20	Horizontal
6	4648.6300	48.39	-45.79	31.86	-60.81	-13.00	47.81	146	296	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	50.96	-48.09	25.61	-66.78	-13.00	53.78	286	62	Vertical
2	1992.2700	49.81	-47.91	26.59	-66.77	-13.00	53.77	145	338	Vertical
3	2656.3600	49.38	-47.00	28.21	-64.67	-13.00	51.67	111	169	Vertical
4	3320.4500	49.55	-46.65	29.53	-62.83	-13.00	49.83	198	255	Vertical
5	3984.5400	47.93	-46.20	30.76	-62.77	-13.00	49.77	175	212	Vertical
6	4648.6300	47.19	-45.79	31.86	-62.01	-13.00	49.01	233	7	Vertical

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Test Band = LTE Band71_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.1800	51.35	-48.07	25.61	-66.37	-13.00	53.37	254	105	Horizontal
2	2022.2700	51.03	-47.86	26.72	-65.37	-13.00	52.37	152	3	Horizontal
3	2696.3600	50.41	-47.05	28.28	-63.61	-13.00	50.61	236	352	Horizontal
4	3370.4500	48.84	-46.58	29.47	-63.53	-13.00	50.53	261	62	Horizontal
5	4044.5400	48.02	-46.07	30.87	-62.44	-13.00	49.44	186	360	Horizontal
6	4718.6300	47.16	-45.77	32.07	-61.80	-13.00	48.80	175	190	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.1800	50.87	-48.07	25.61	-66.85	-13.00	53.85	298	297	Vertical
2	2022.2700	50.83	-47.86	26.72	-65.57	-13.00	52.57	145	107	Vertical
3	2696.3600	51.00	-47.05	28.28	-63.02	-13.00	50.02	176	232	Vertical
4	3370.4500	49.71	-46.58	29.47	-62.66	-13.00	49.66	215	8	Vertical
5	4044.5400	47.09	-46.07	30.87	-63.37	-13.00	50.37	236	189	Vertical
6	4718.6300	47.91	-45.77	32.07	-61.05	-13.00	48.05	122	211	Vertical

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Test Band = LTE Band71_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	50.74	-48.05	25.61	-66.96	-13.00	53.96	254	273	Horizontal
2	2037.2700	50.69	-47.83	26.77	-65.63	-13.00	52.63	174	273	Horizontal
3	2716.3600	51.82	-47.03	28.32	-62.15	-13.00	49.15	126	359	Horizontal
4	3395.4500	48.70	-46.55	29.44	-63.67	-13.00	50.67	302	351	Horizontal
5	4074.5400	49.70	-45.98	30.91	-60.62	-13.00	47.62	186	105	Horizontal
6	4753.6300	47.88	-45.71	32.18	-60.91	-13.00	47.91	291	84	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	51.71	-48.05	25.61	-65.99	-13.00	52.99	211	8	Vertical
2	2037.2700	50.48	-47.83	26.77	-65.84	-13.00	52.84	145	107	Vertical
3	2716.3600	52.02	-47.03	28.32	-61.95	-13.00	48.95	186	65	Vertical
4	3395.4500	49.14	-46.55	29.44	-63.23	-13.00	50.23	142	233	Vertical
5	4074.5400	48.02	-45.98	30.91	-62.30	-13.00	49.30	199	0	Vertical
6	4753.6300	48.16	-45.71	32.18	-60.63	-13.00	47.63	172	275	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 = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier (dB)
Level = Reading Level + AF + Factor -95.26
Margin = Limit – Level

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Member of the SGS Group (SGS SA)

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-5.40	-0.007906	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-9.60	-0.014056	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-6.10	-0.008931	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-8.70	-0.012738	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-4.50	-0.006589	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-6.60	-0.009663	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-4.80	-0.007028	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-4.50	-0.006589	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-6.20	-0.009078	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-9.70	-0.014202	PASS

---End of Attachment---

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