

# Appendix B.14

## 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	23.27	22.78	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.1	22.61	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.31	22.82	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.19	21.7	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.85	22.36	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.3	22.81	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23	22.51	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.27	21.78	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.16	22.67	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.21	22.72	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.97	22.48	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.1	21.61	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.66	21.17	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22	21.51	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.37	21.88	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.36	20.87	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.94	21.45	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.72	21.23	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.67	21.18	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.24	20.75	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.61	21.12	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.8	21.31	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.43	20.94	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.09	20.6	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.15	20.66	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	20.97	20.48	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	20.95	20.46	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	20.28	19.79	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	20.74	20.25	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.32	20.83	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.14	20.65	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.06	19.57	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.18	20.69	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.14	20.65	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.13	20.64	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.33	19.84	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.87	22.38	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.22	22.73	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.07	22.58	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.28	21.79	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.84	22.35	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.51	23.02	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.13	22.64	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.3	21.81	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.38	22.89	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.15	22.66	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.03	22.54	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.32	21.83	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.02	21.53	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.94	21.45	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.81	21.32	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.24	20.75	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.55	21.06	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.73	21.24	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.51	21.02	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.07	20.58	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.05	21.56	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.68	21.19	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.14	21.65	34.77	PASS



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Band71	10MHz	16QAM	133422	50RB#0	21.23	20.74	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	20.9	20.41	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.35	20.86	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.31	20.82	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.35	19.86	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	20.95	20.46	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.5	21.01	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	20.99	20.5	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.38	19.89	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.46	20.97	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.21	20.72	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.04	20.55	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.3	19.81	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.11	22.62	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.09	22.6	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.11	22.62	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.3	21.81	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.06	22.57	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.07	22.58	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.1	22.61	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.23	21.74	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.94	22.45	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.19	22.7	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.74	22.25	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.26	21.77	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.41	21.92	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.72	22.23	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.31	21.82	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.35	20.86	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.28	21.79	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.77	21.28	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.9	21.41	34.77	PASS



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Band71	15MHz	16QAM	133297	75RB#0	21.28	20.79	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.82	21.33	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.63	21.14	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.58	21.09	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.32	20.83	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.05	20.56	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.39	20.9	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.3	20.81	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.37	19.88	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.24	20.75	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.1	20.61	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.06	20.57	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.19	19.7	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.13	20.64	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.44	20.95	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	20.88	20.39	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.17	19.68	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.96	22.47	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.54	23.05	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.72	22.23	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.26	21.77	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.95	22.46	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.44	22.95	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.97	22.48	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.3	21.81	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.07	22.58	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.39	22.9	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.76	22.27	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.31	21.82	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.32	21.83	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.88	21.39	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.64	21.15	34.77	PASS



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Band71	20MHz	16QAM	133222	100RB#0	21.2	20.71	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.62	21.13	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.6	22.11	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.03	21.54	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.24	20.75	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.81	21.32	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.55	22.06	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.13	21.64	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.26	20.77	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	20.95	20.46	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.62	21.13	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	20.79	20.3	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.33	19.84	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.03	20.54	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.36	20.87	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.3	20.81	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.37	19.88	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	20.88	20.39	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.37	20.88	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.13	20.64	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.2	19.71	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	5.26	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.10	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.18	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.16	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.06	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.00	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.58	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.58	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.52	13	PASS

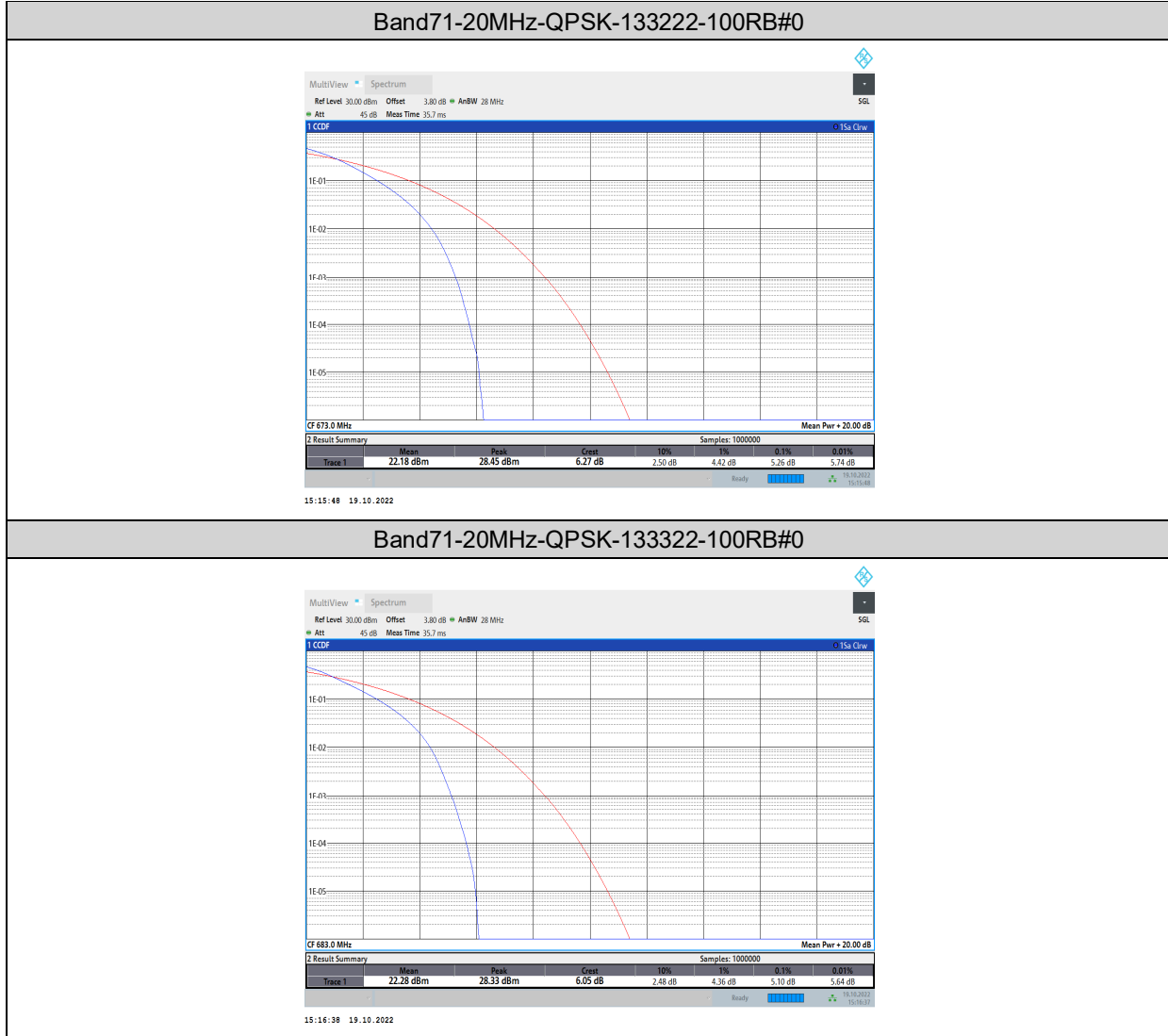


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Test Graphs



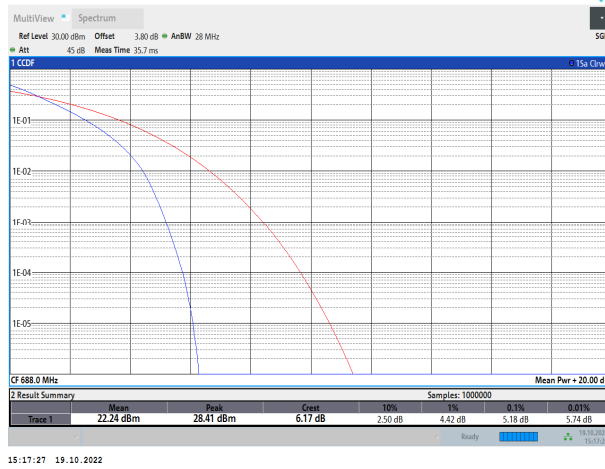
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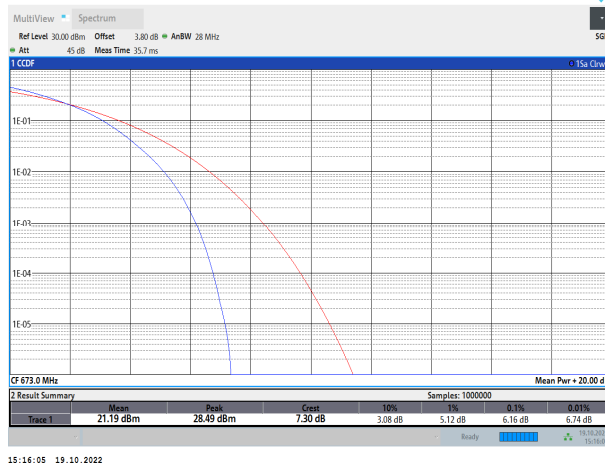
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Band71-20MHz-QPSK-133372-100RB#0



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

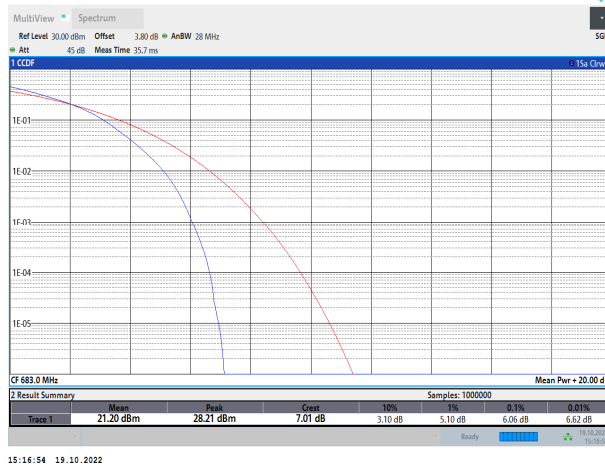


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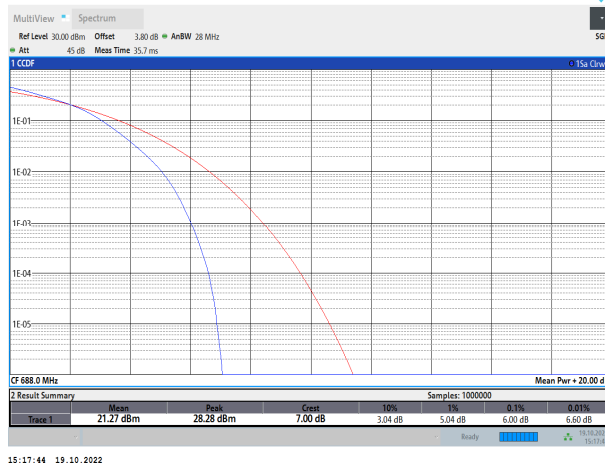
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Band71-20MHz-16QAM-133322-100RB#0



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

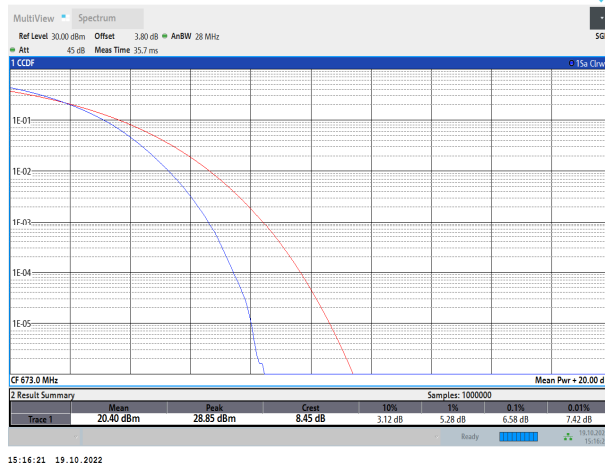


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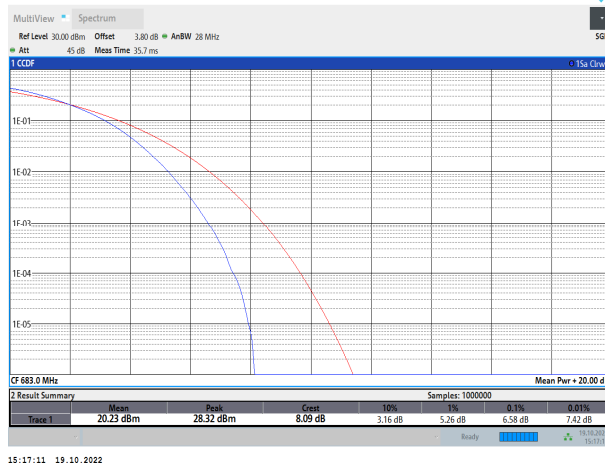
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Band71-20MHz-64QAM-133222-100RB#0



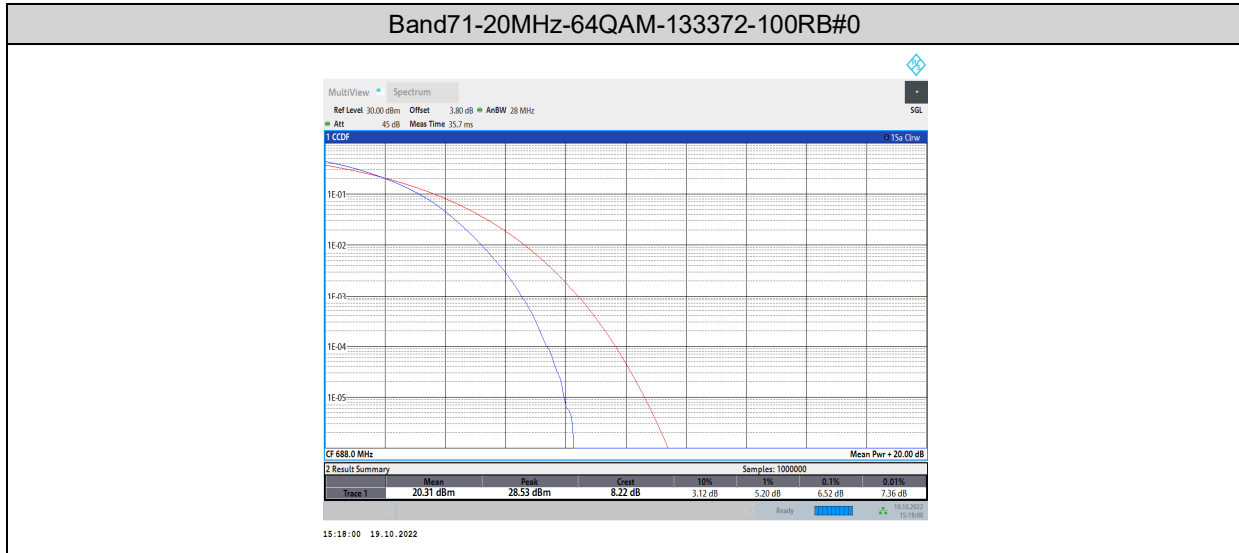
Band71-20MHz-64QAM-133322-100RB#0



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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

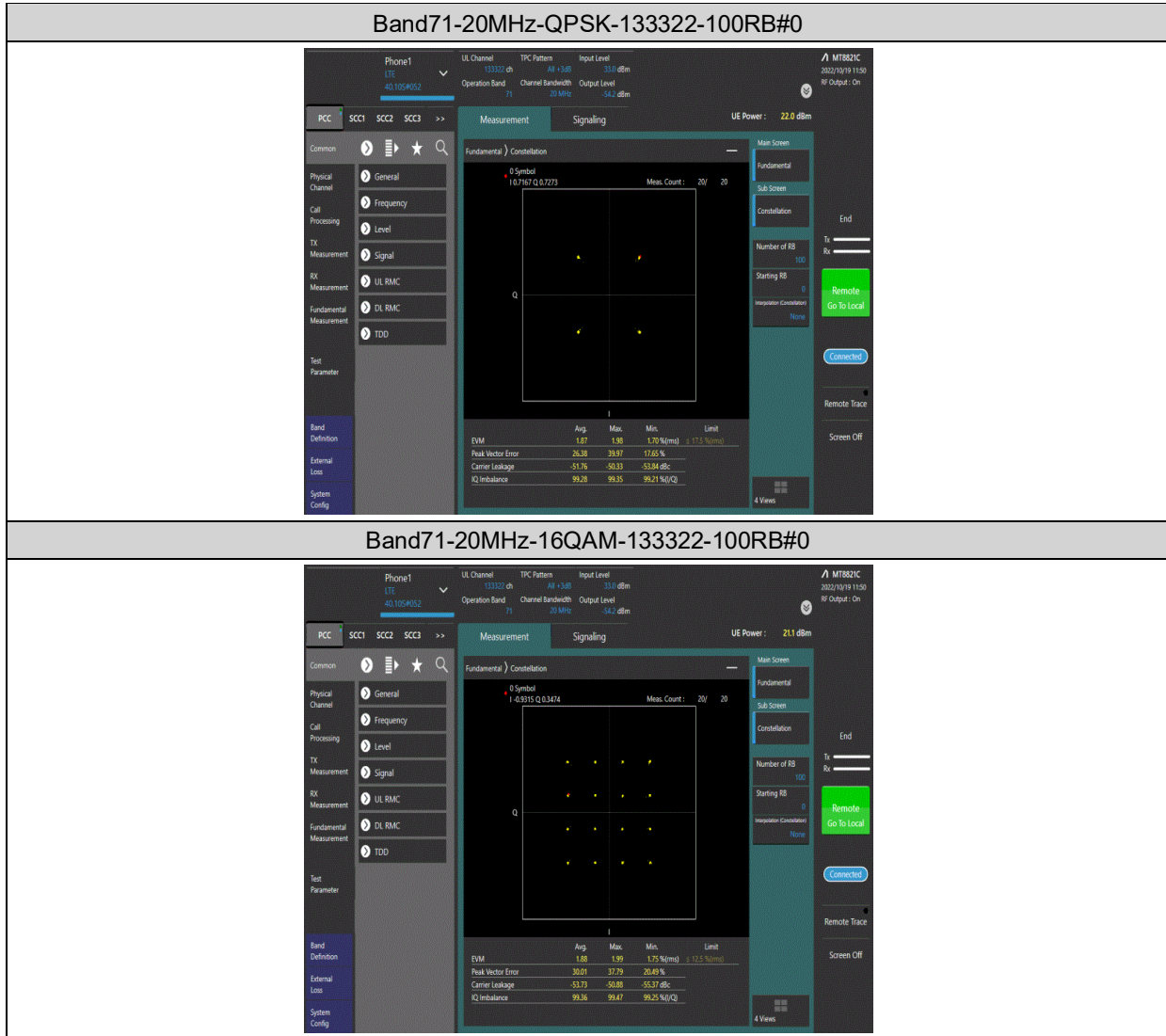


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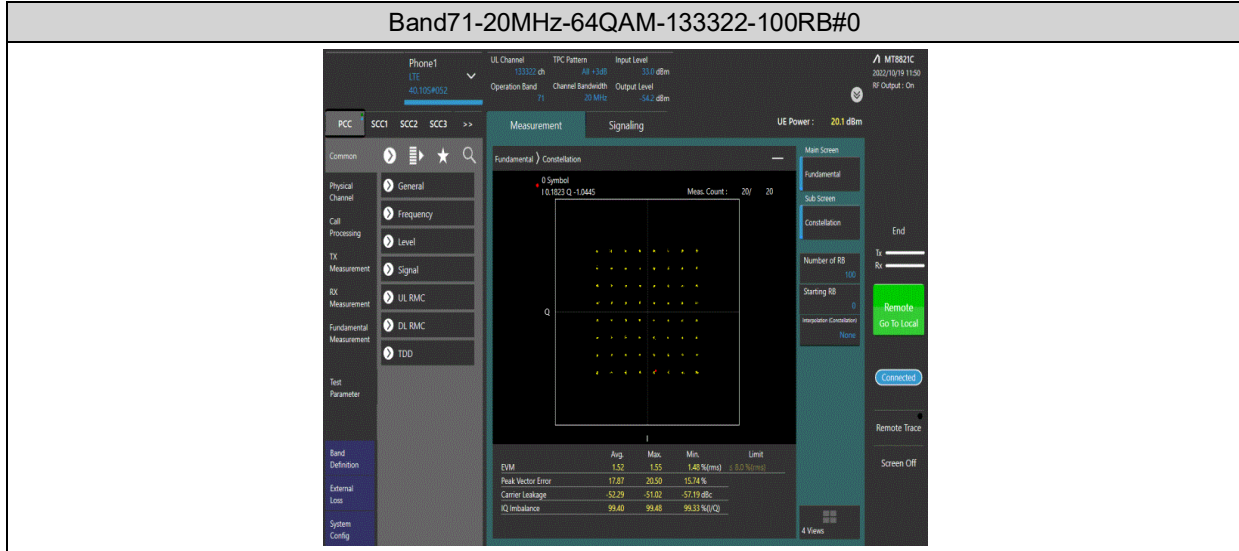
Test Graphs



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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	4.472	4.90	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.465	4.90	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.468	4.90	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.473	4.95	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.465	4.92	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.469	4.94	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.483	4.93	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.475	4.91	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.479	4.92	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.907	9.64	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.924	9.66	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.935	9.74	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.893	9.62	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.901	9.60	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.914	9.66	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.902	9.66	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.903	9.66	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.937	9.72	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.391	14.70	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.48	14.76	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.429	14.79	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.383	14.76	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.453	14.82	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.416	14.73	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.354	14.70	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.422	14.79	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.391	14.82	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.833	19.40	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.855	19.20	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.861	19.32	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.809	19.28	PASS



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Report No.: SEWA221000060RG01

Rev.: 01

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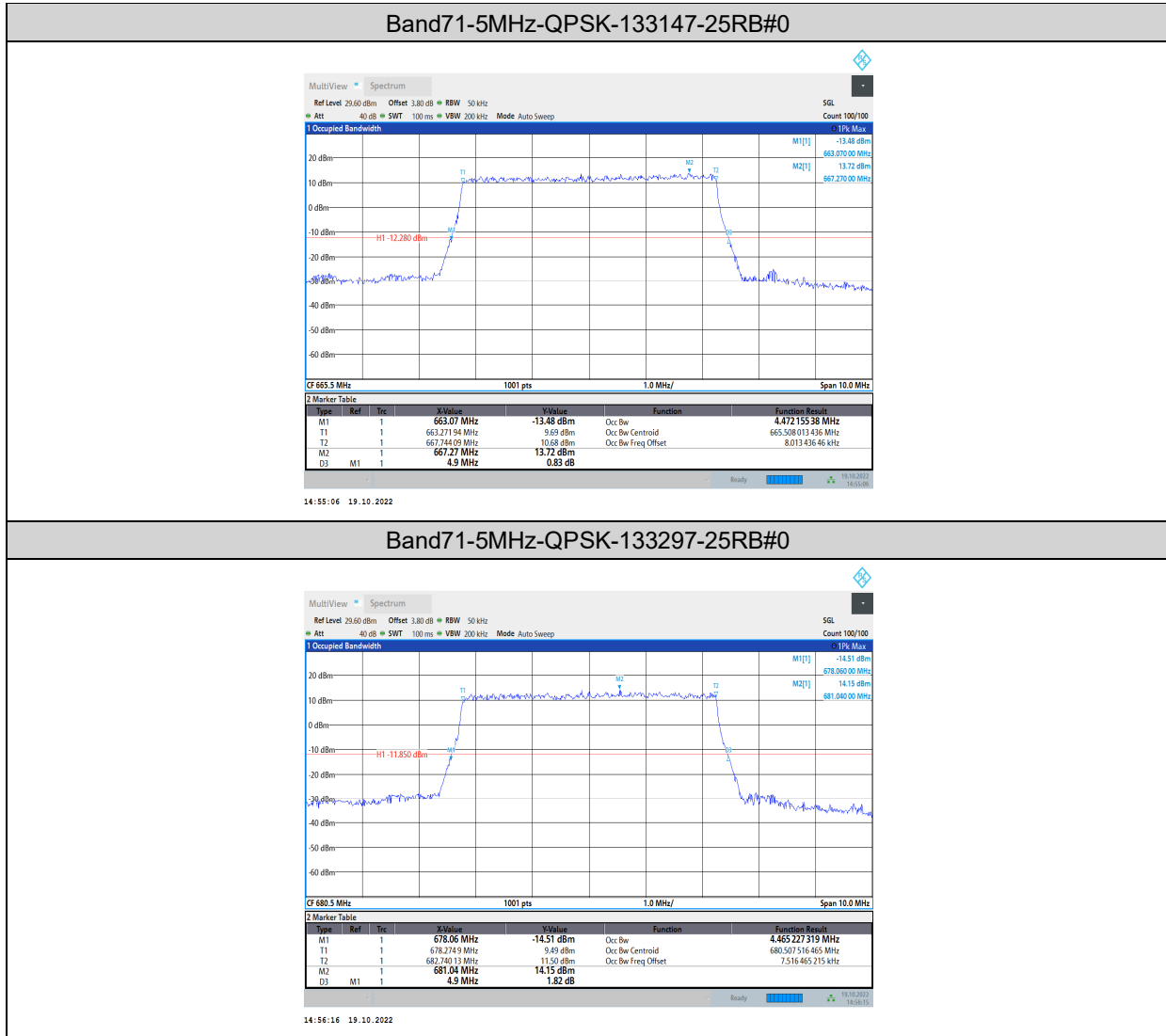
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Band71	20MHz	16QAM	133372	100RB#0	17.828	19.28	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.779	19.32	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.811	19.32	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.797	19.36	PASS



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Test Graphs

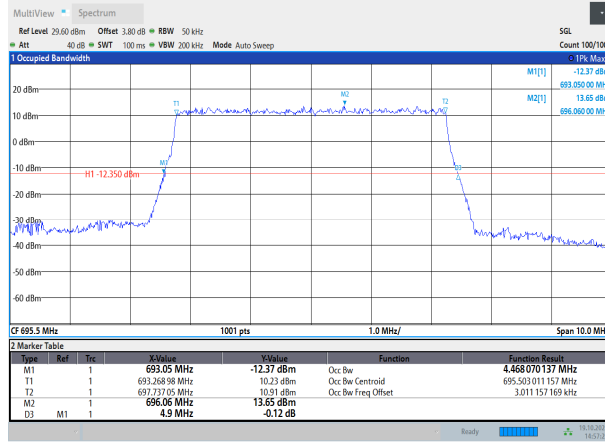


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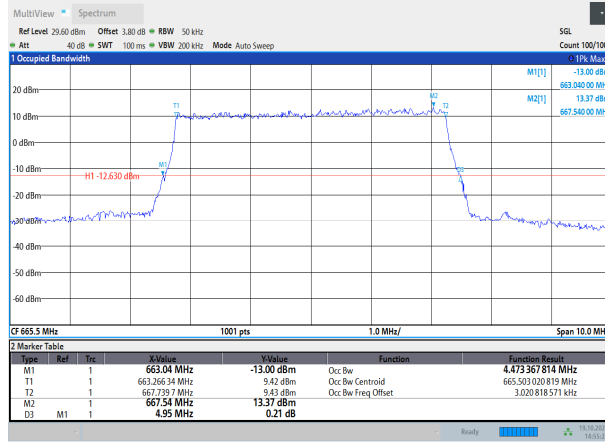
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Band71-5MHz-QPSK-133447-25RB#0



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

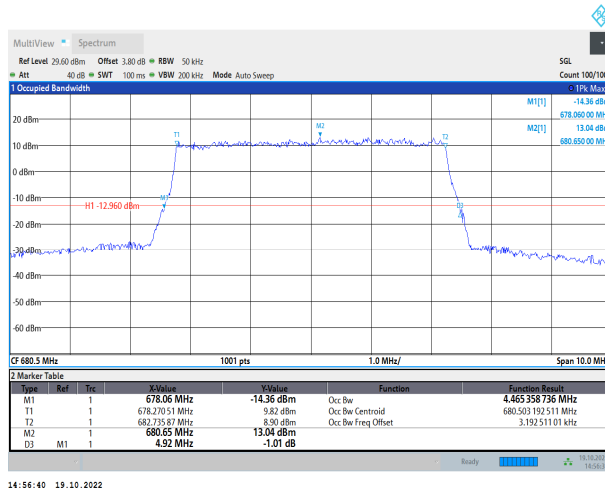


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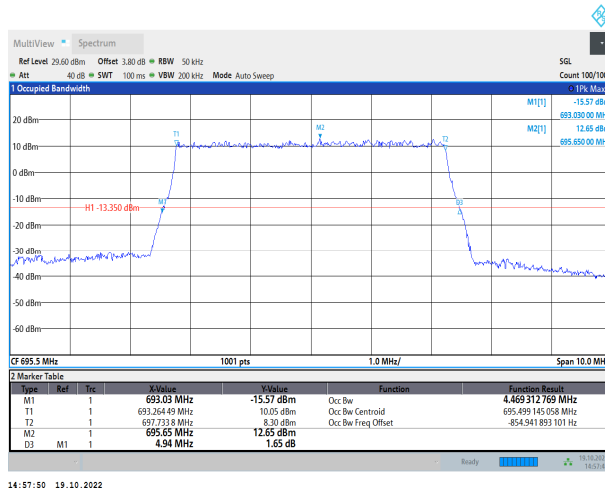
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**Band71-5MHz-16QAM-133297-25RB#0**



14:56:40 19.10.2022

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



14:57:50 19.10.2022

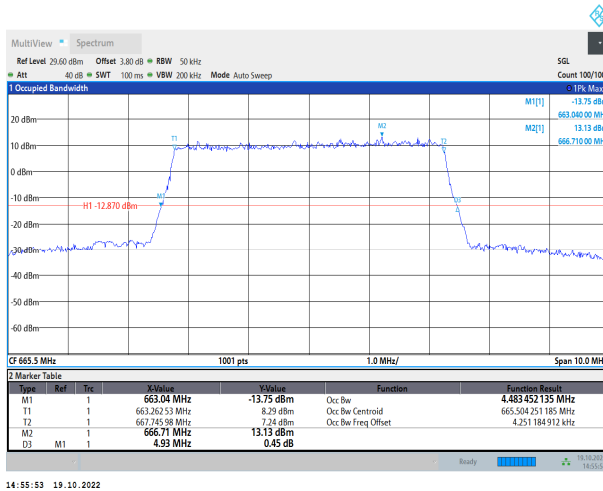


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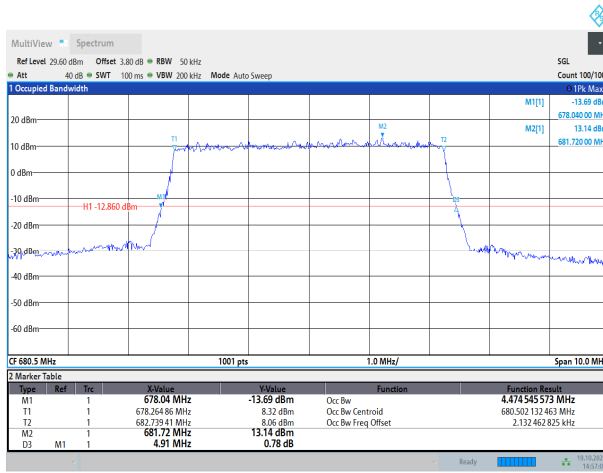
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**Band71-5MHz-64QAM-133147-25RB#0**



14:55:53 19.10.2022

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



14:57:03 19.10.2022

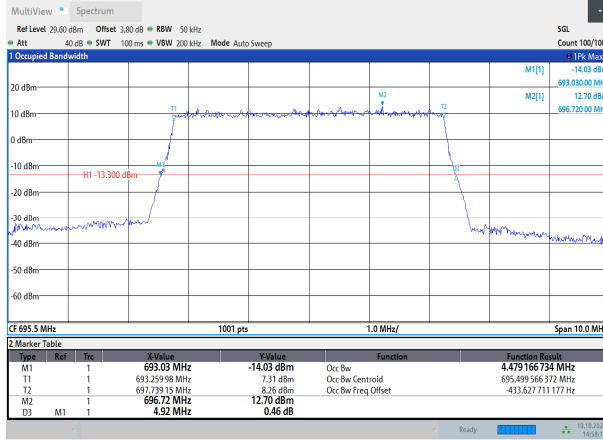


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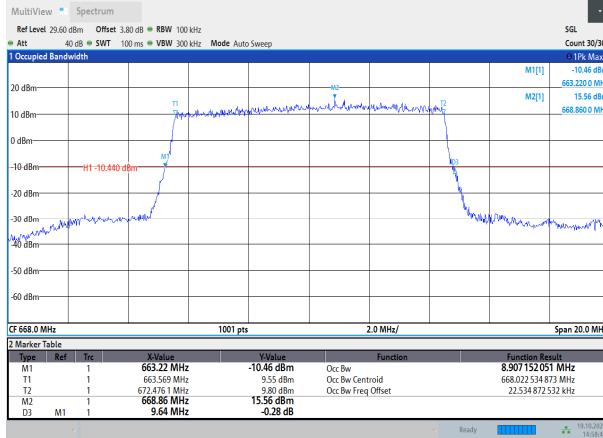
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**Band71-5MHz-64QAM-133447-25RB#0**



14:58:13 19.10.2022

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



14:58:44 19.10.2022

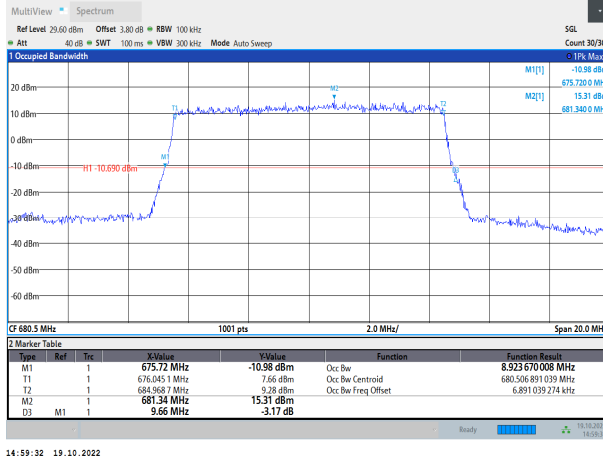


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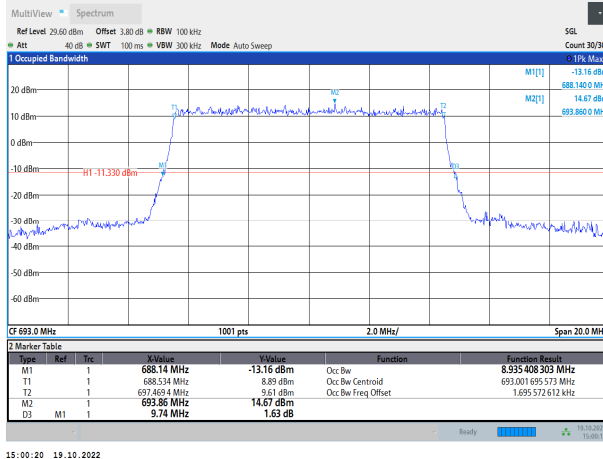
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Band71-10MHz-QPSK-133297-50RB#0



14:59:32 19.10.2022

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



15:00:20 19.10.2022

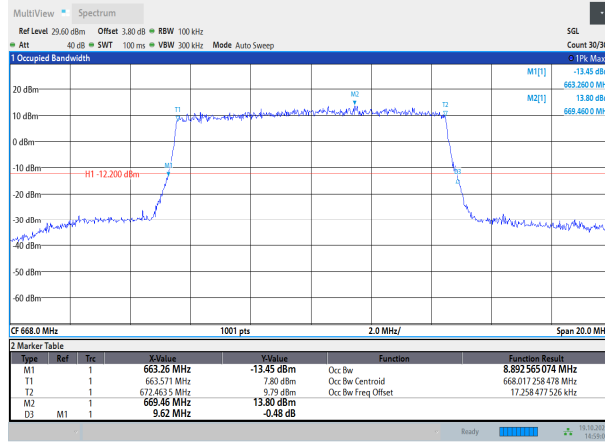


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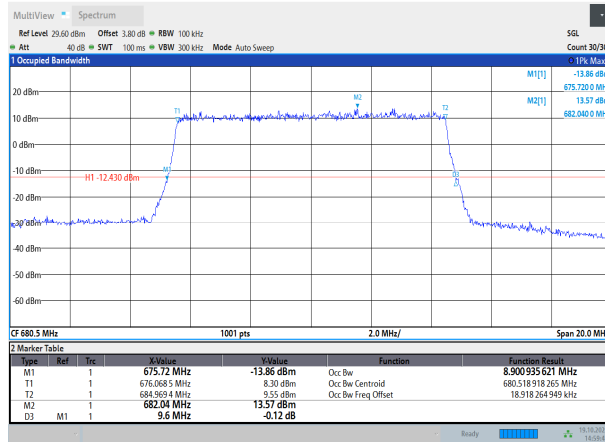
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Band71-10MHz-16QAM-133172-50RB#0



14:59:01 19.10.2022

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



14:59:49 19.10.2022



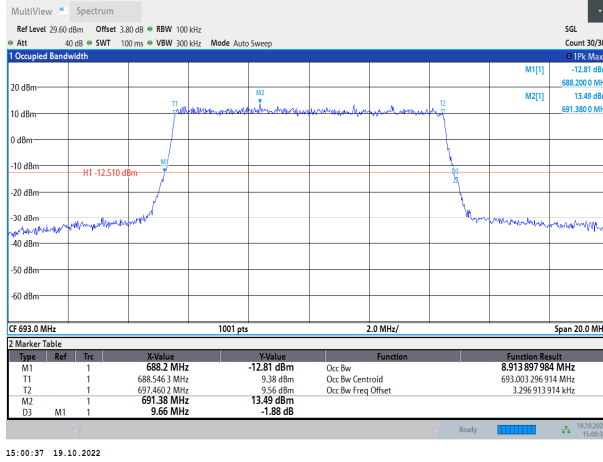
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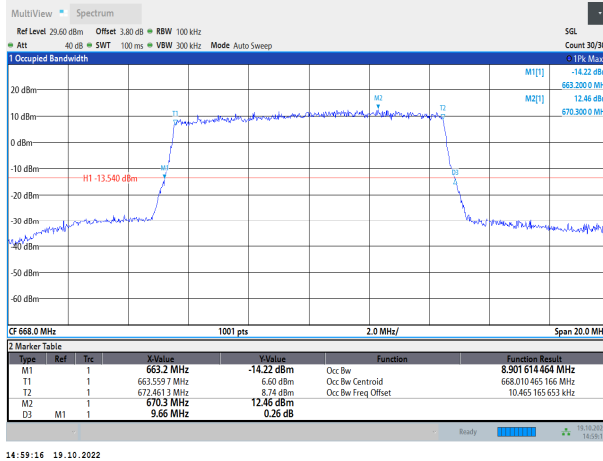
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Band71-10MHz-16QAM-133422-50RB#0



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

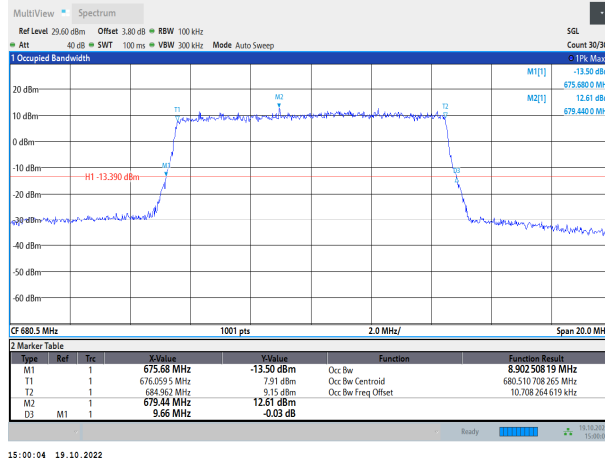


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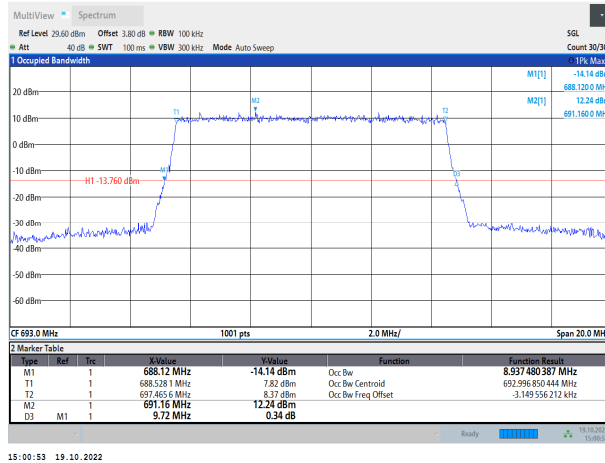
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Band71-10MHz-64QAM-133422-50RB#0

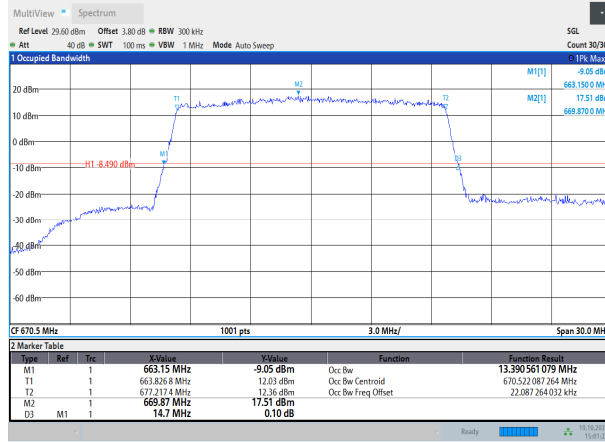


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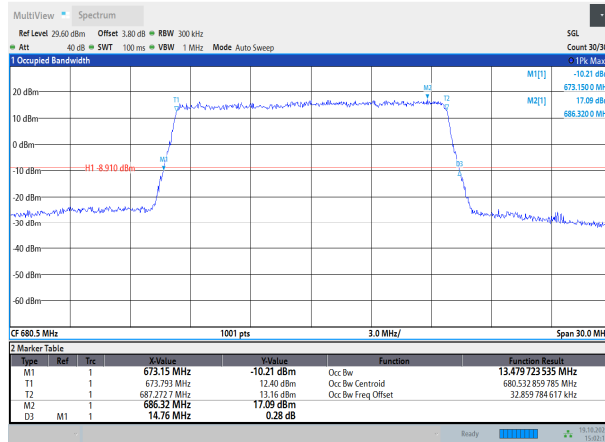
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Band71-15MHz-QPSK-133197-75RB#0



15:01:23 19.10.2022

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



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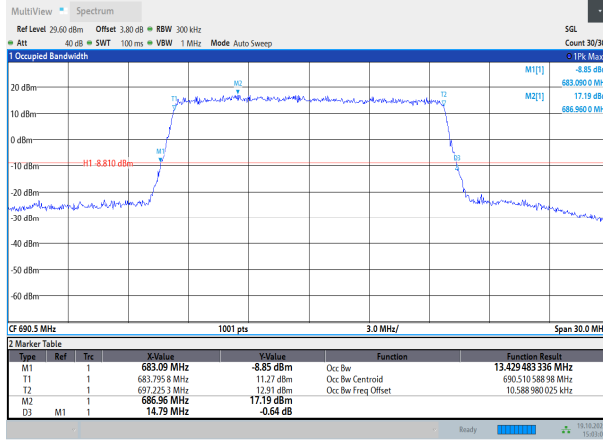


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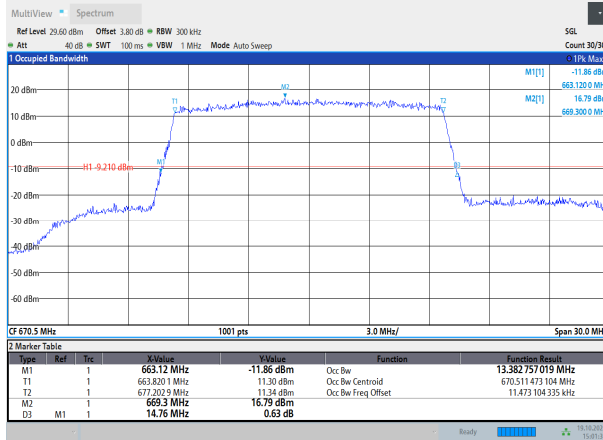
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15:09:01 19.10.2022

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



15:01:39 19.10.2022

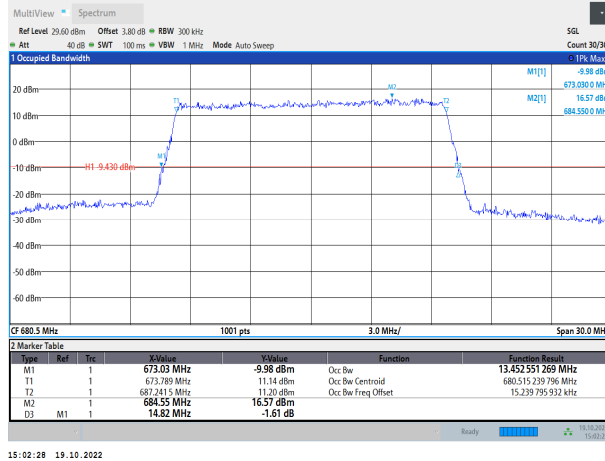


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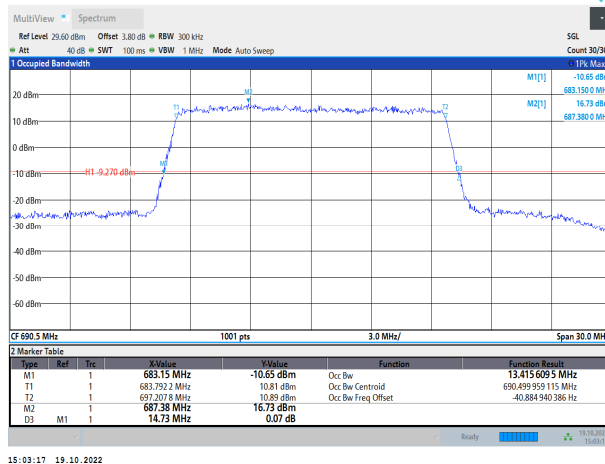
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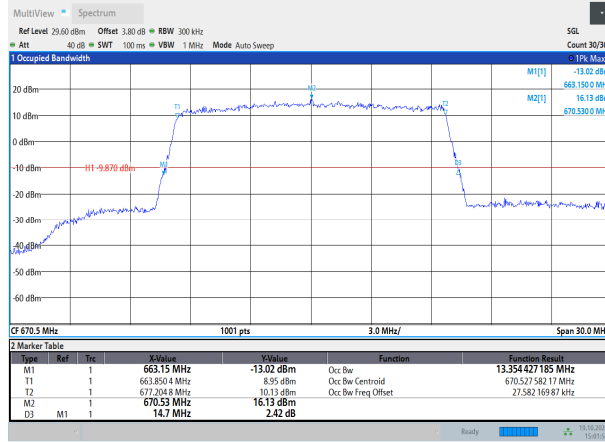


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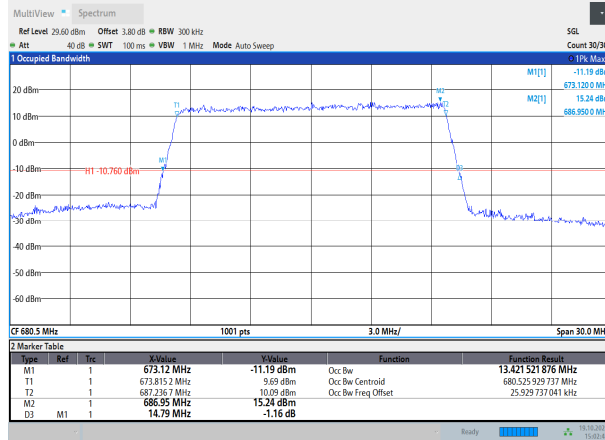
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15:01:56 19.10.2022

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



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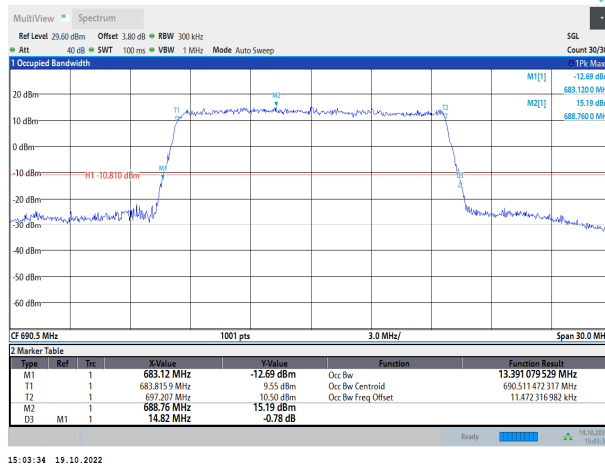


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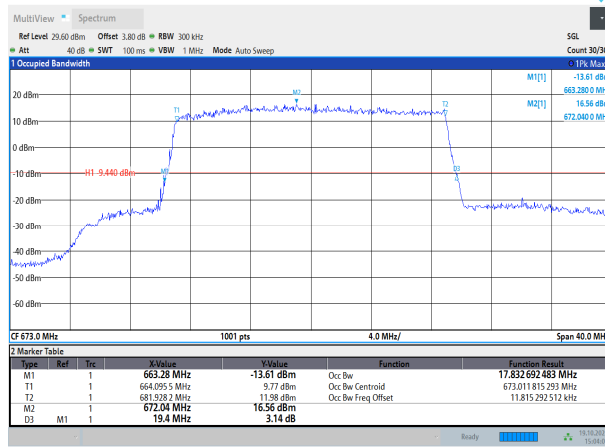
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Band71-15MHz-64QAM-133397-75RB#0



15:03:34 19.10.2022

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



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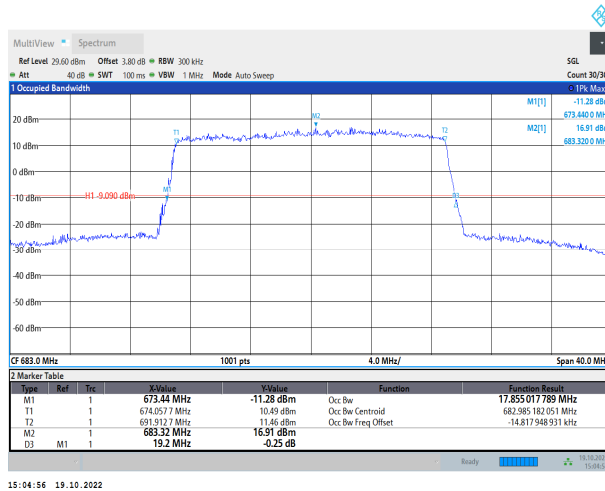


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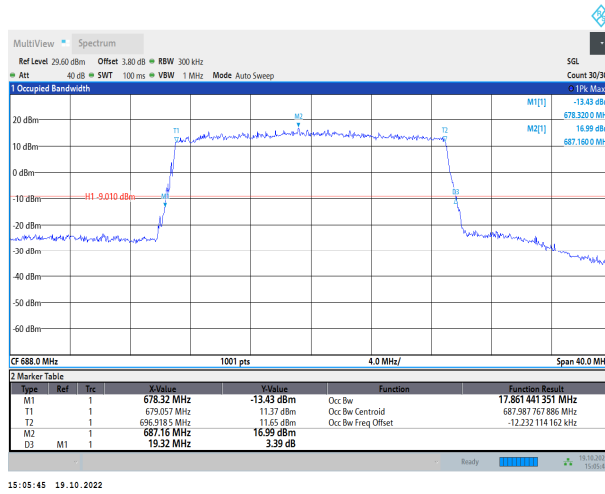
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Band71-20MHz-QPSK-133322-100RB#0



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



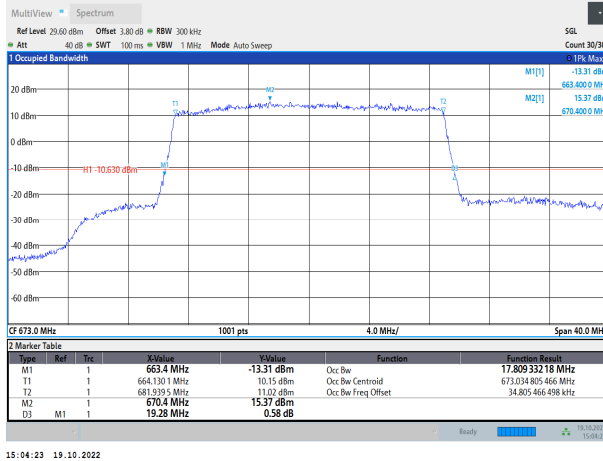
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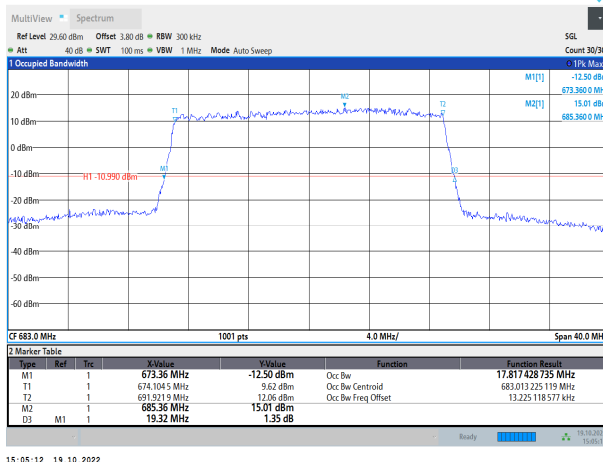


Band71-20MHz-16QAM-133222-100RB#0



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



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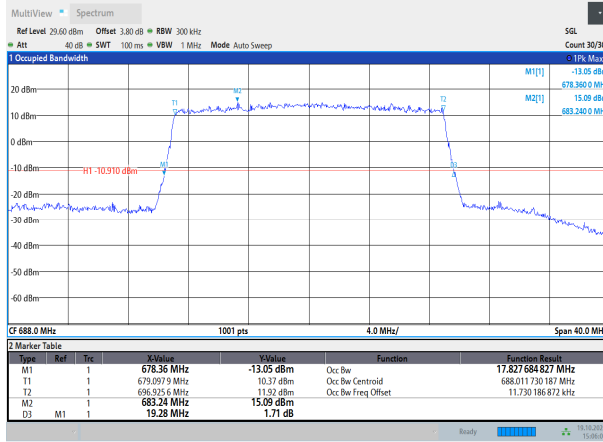


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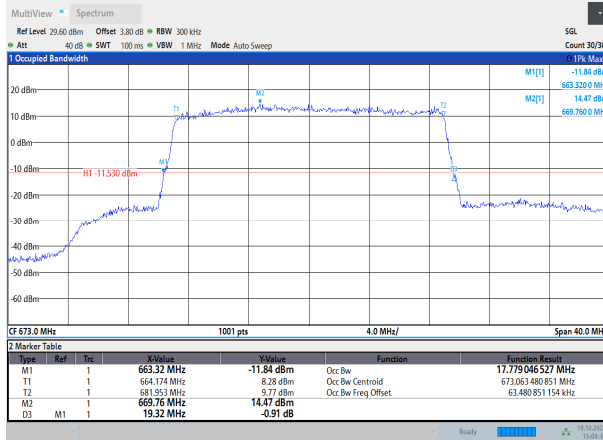
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Band71-20MHz-16QAM-133372-100RB#0



15:04:01 19.10.2022

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



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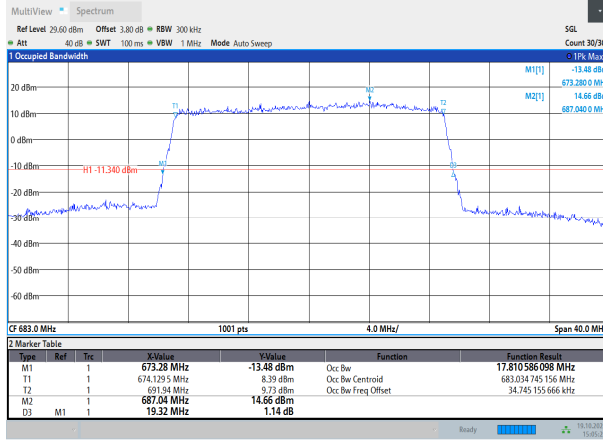


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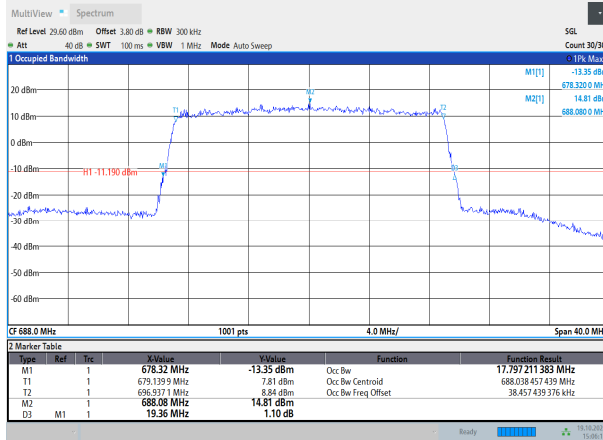
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Band71-20MHz-64QAM-133322-100RB#0



15:05:29 19.10.2022

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



15:06:17 19.10.2022



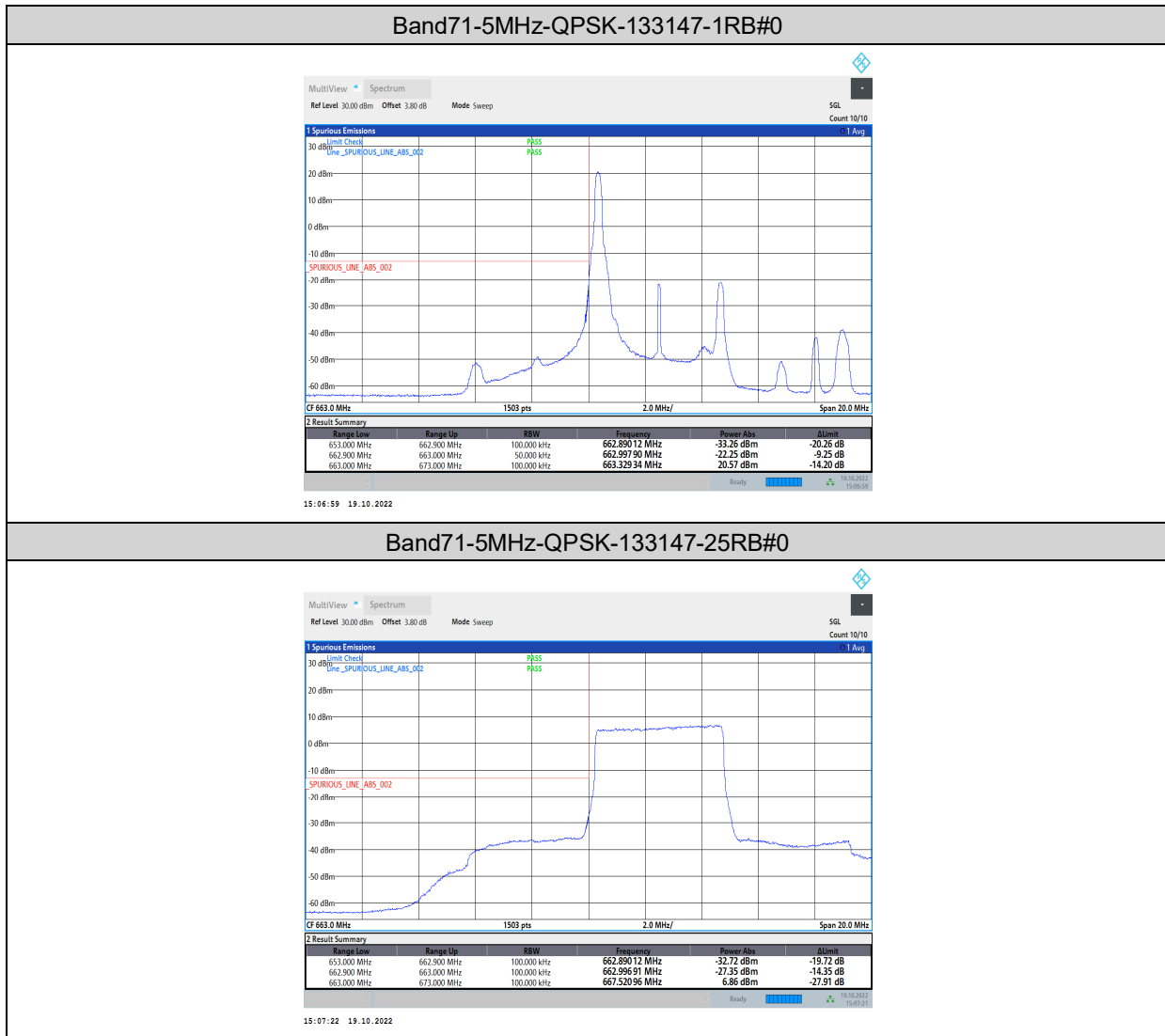
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## Band Edge

## Test Graphs

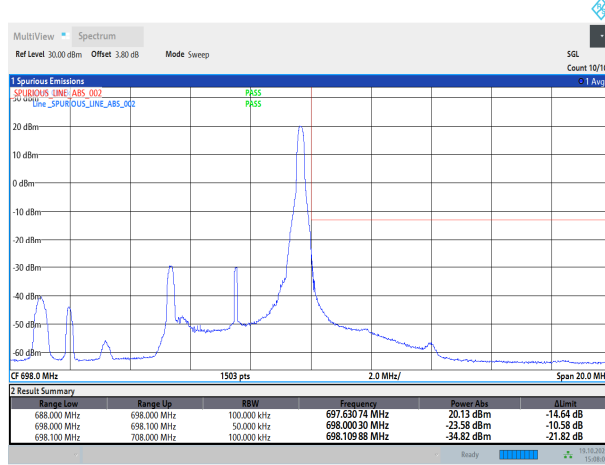


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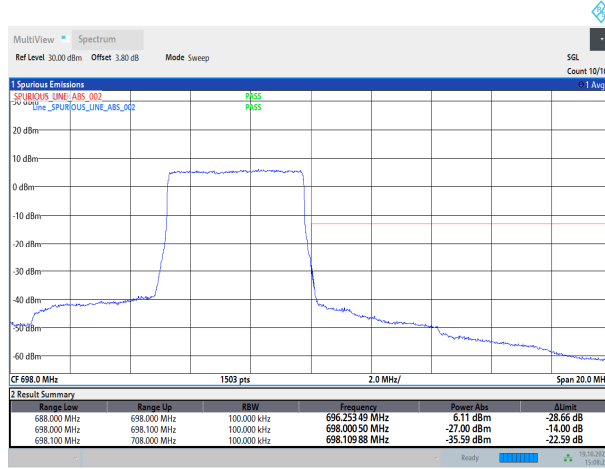
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Band71-5MHz-QPSK-133447-1RB#24



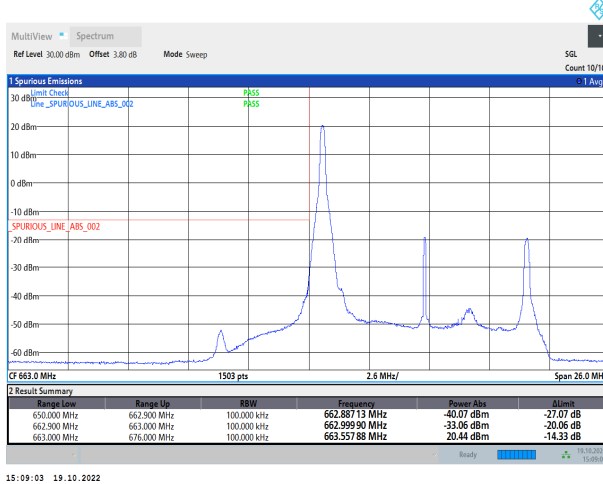
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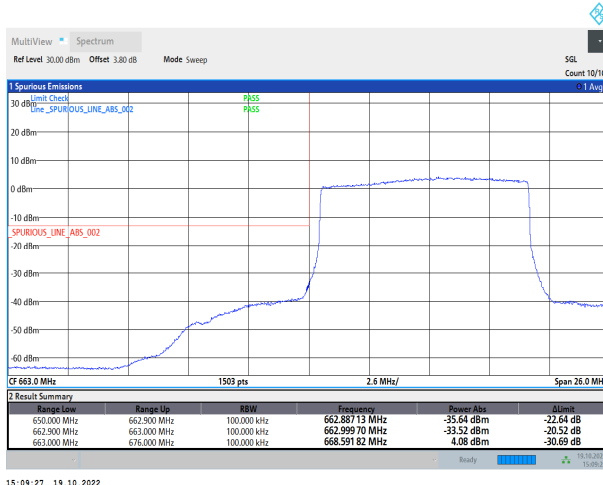
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Band71-10MHz-QPSK-133172-1RB#0



15:09:03 19.10.2022

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



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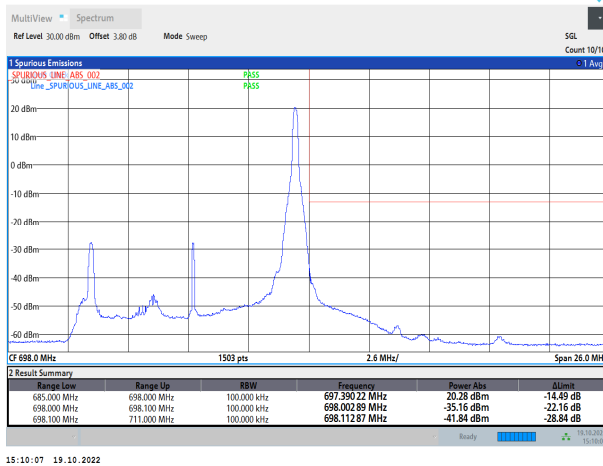


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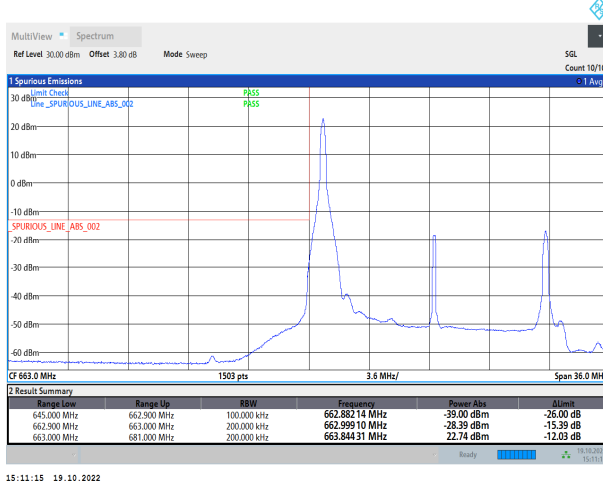


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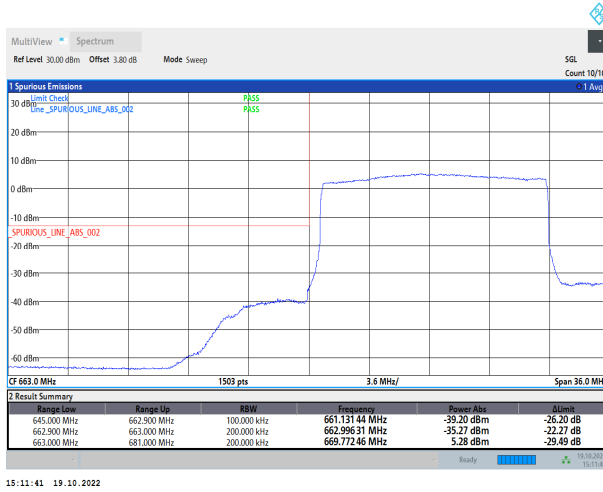
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Band71-15MHz-QPSK-133197-1RB#0



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



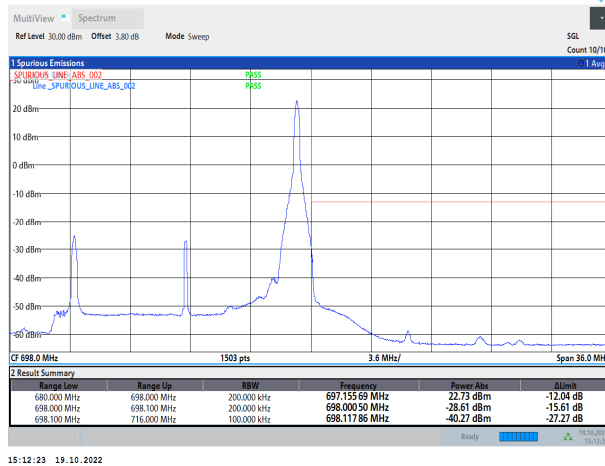
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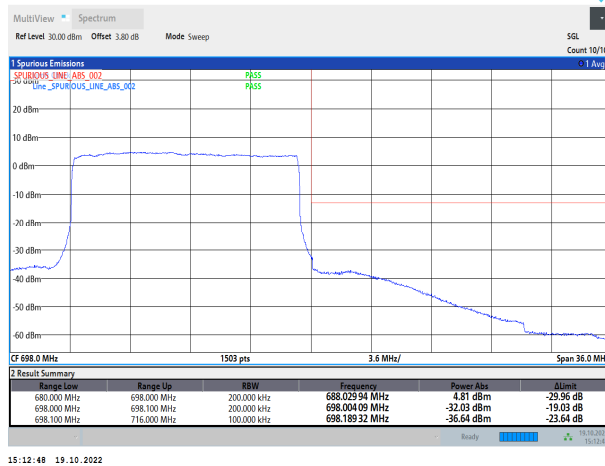
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Band71-15MHz-QPSK-133397-1RB#74



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

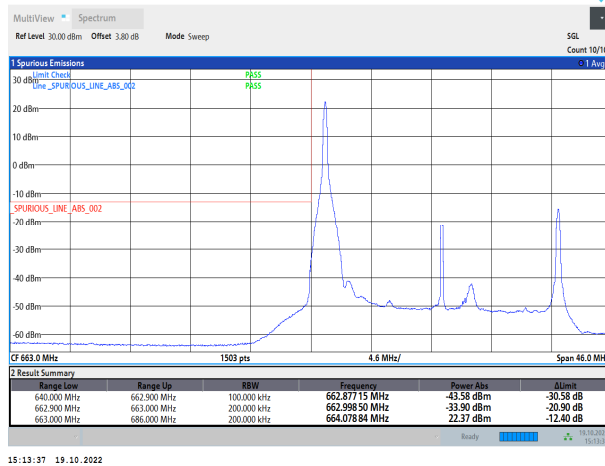


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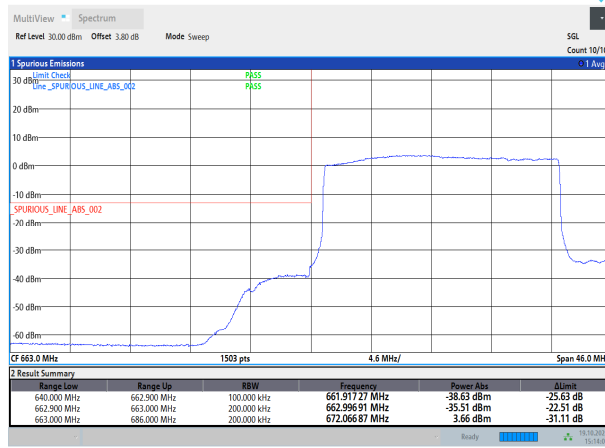
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Band71-20MHz-QPSK-133222-1RB#0



15:19:37 19.10.2022

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



15:14:05 19.10.2022

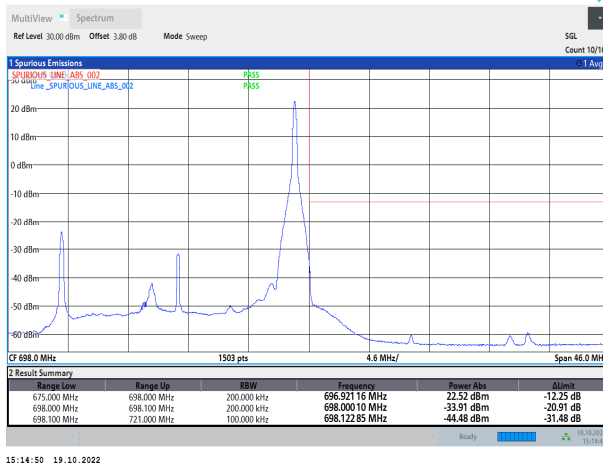


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Band71-20MHz-QPSK-133372-1RB#99



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



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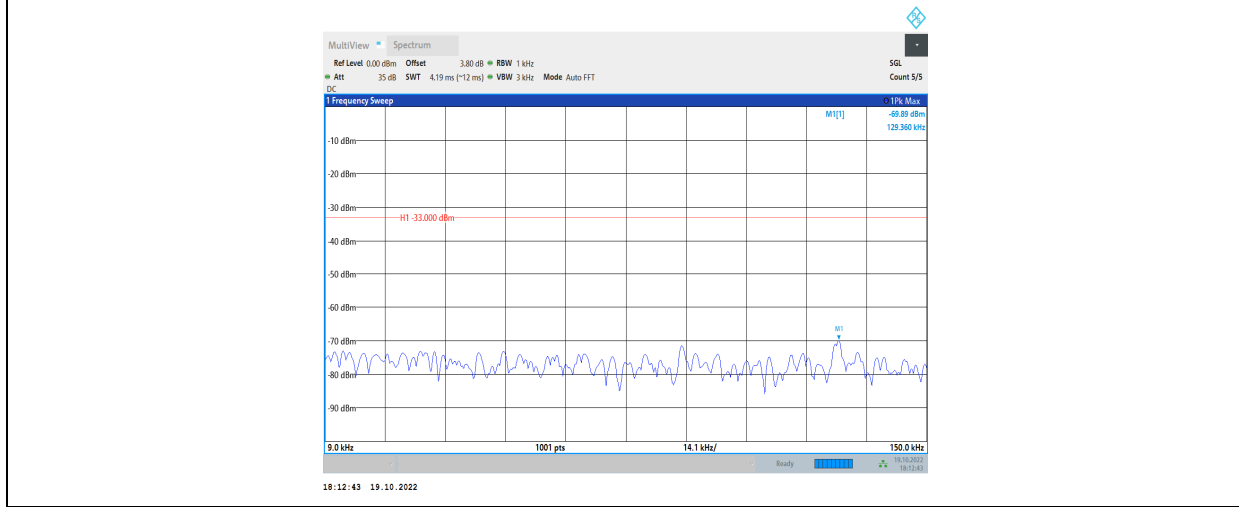
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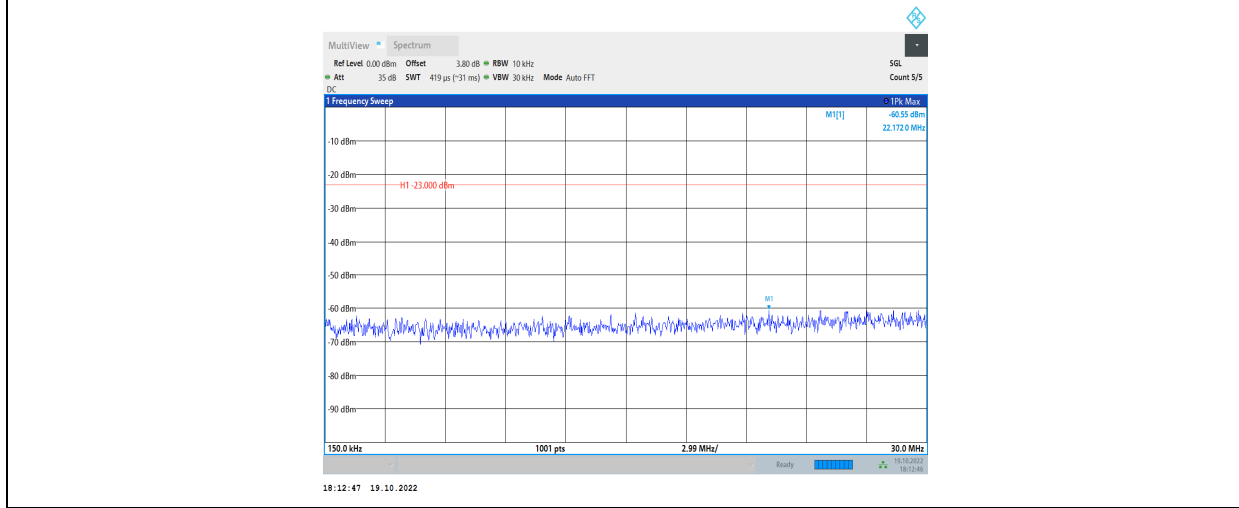
## Conducted Spurious Emission

### Test Graphs

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



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

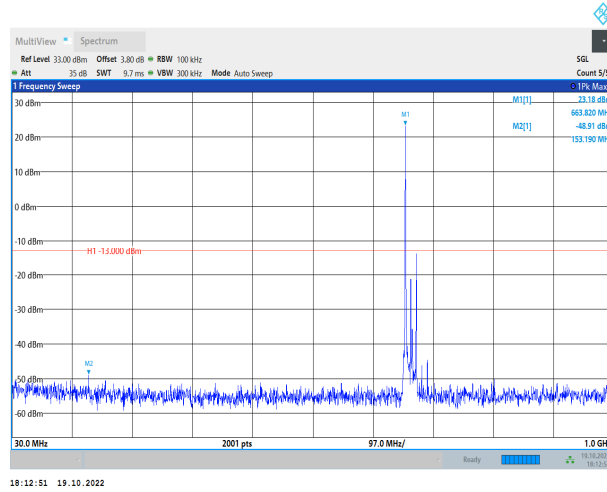


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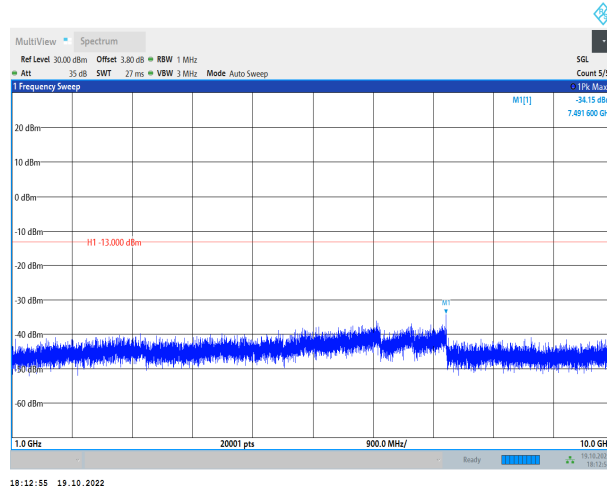
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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

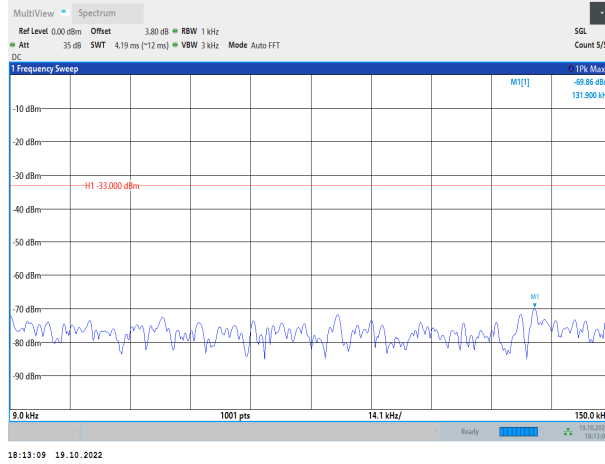


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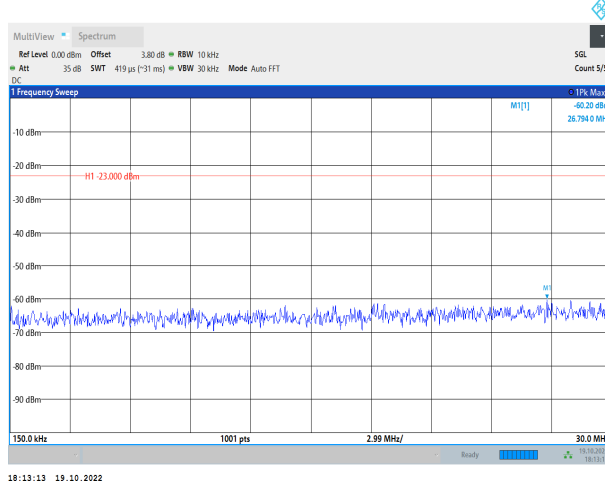
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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

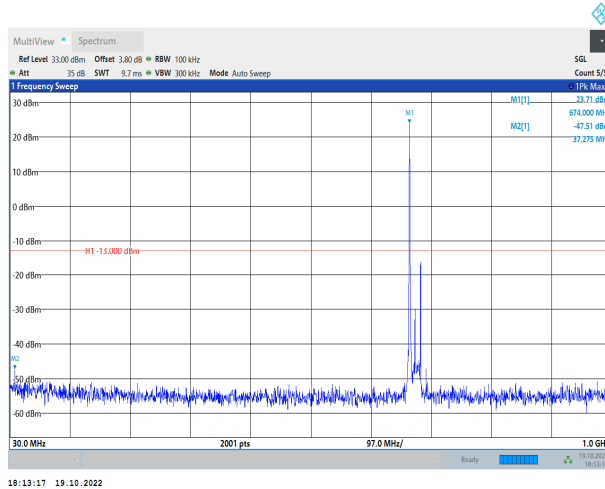


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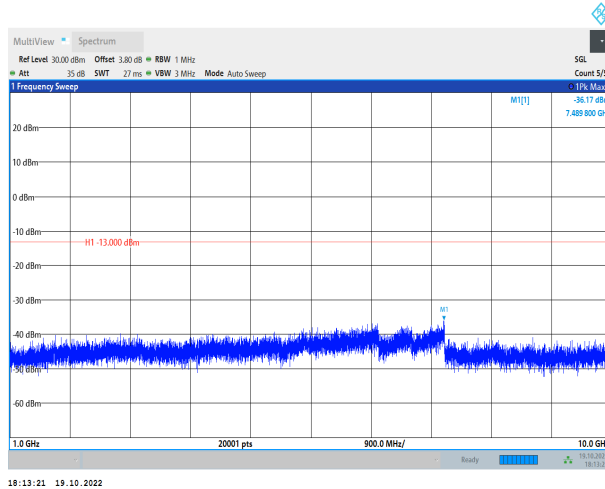
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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

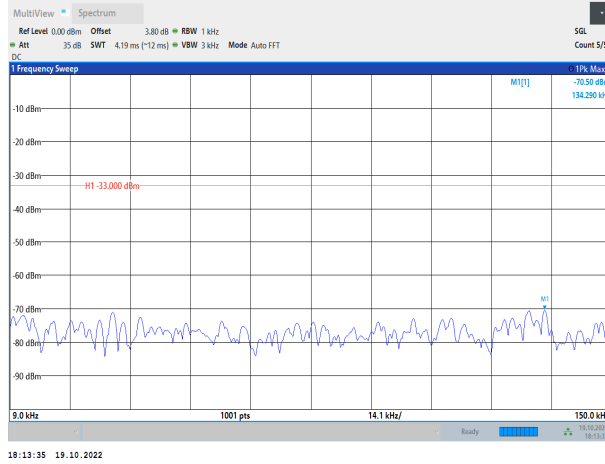


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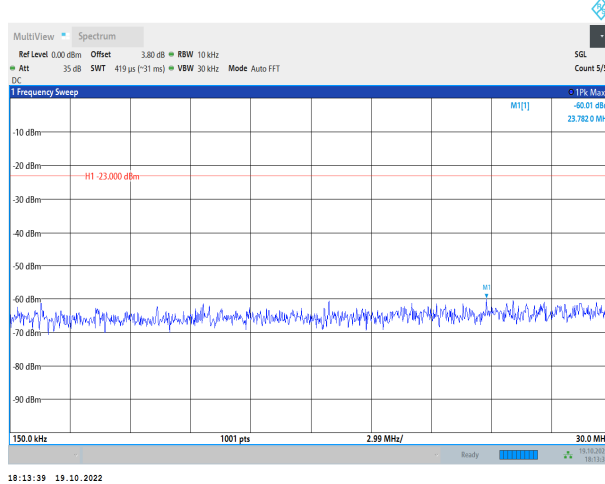
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



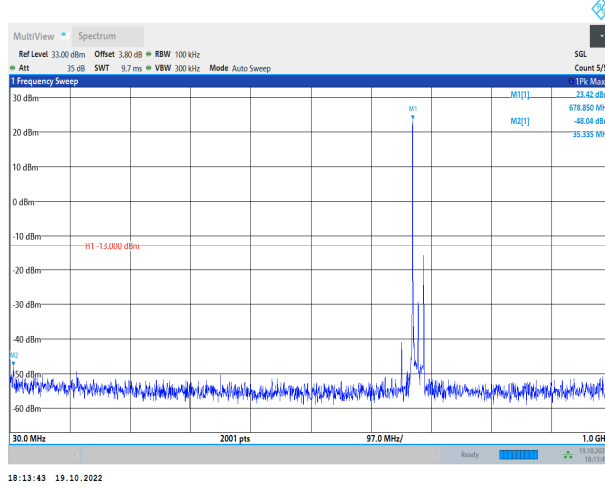
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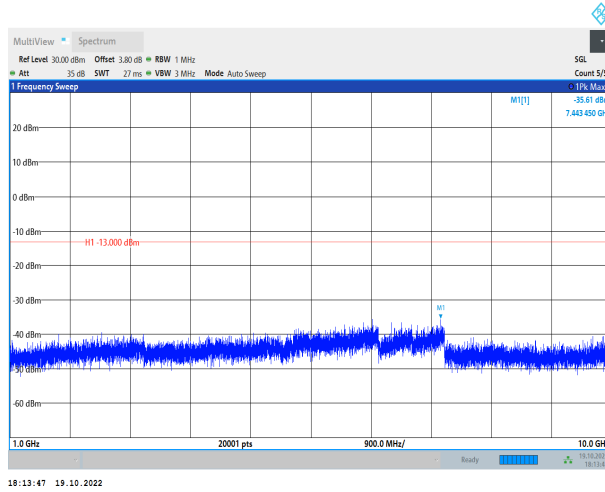
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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



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## Field Strength of Spurious Radiation

Test Band = LTE 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	72.56	-48.09	25.61	-45.18	-13.00	32.18	154	61	Horizontal
2	1992.2700	64.66	-47.91	26.59	-51.92	-13.00	38.92	126	360	Horizontal
3	2656.3600	55.47	-47.00	28.21	-58.58	-13.00	45.58	135	3	Horizontal
4	3320.4500	52.61	-46.65	29.53	-59.77	-13.00	46.77	129	359	Horizontal
5	3984.5400	48.97	-46.20	30.76	-61.73	-13.00	48.73	192	143	Horizontal
6	4648.6300	49.50	-45.79	31.86	-59.70	-13.00	46.70	140	290	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	71.43	-48.09	25.61	-46.31	-13.00	33.31	155	234	Vertical
2	1992.2700	59.97	-47.91	26.59	-56.61	-13.00	43.61	142	295	Vertical
3	2656.3600	51.72	-47.00	28.21	-62.33	-13.00	49.33	162	314	Vertical
4	3320.4500	51.35	-46.65	29.53	-61.03	-13.00	48.03	199	274	Vertical
5	3984.5400	49.67	-46.20	30.76	-61.03	-13.00	48.03	128	42	Vertical
6	4648.6300	47.73	-45.79	31.86	-61.47	-13.00	48.47	199	252	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	69.68	-48.07	25.61	-48.04	-13.00	35.04	251	42	Horizontal
2	2022.2700	60.87	-47.86	26.72	-55.53	-13.00	42.53	142	360	Horizontal
3	2696.3600	52.20	-47.05	28.28	-61.82	-13.00	48.82	169	358	Horizontal
4	3370.4500	52.29	-46.58	29.47	-60.08	-13.00	47.08	150	62	Horizontal
5	4044.5400	48.78	-46.07	30.87	-61.68	-13.00	48.68	133	0	Horizontal
6	4718.6300	46.64	-45.77	32.07	-62.32	-13.00	49.32	192	358	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	1348.4	67.81	-48.07	25.61	-49.90	-13.00	36.90	165	234	Vertical
2	2022.2	58.49	-47.86	26.72	-57.91	-13.00	44.91	199	294	Vertical
3	2696.3600	51.87	-47.05	28.28	-62.15	-13.00	49.15	172	67	Vertical
4	3370.4500	50.23	-46.58	29.47	-62.14	-13.00	49.14	155	151	Vertical
5	4044.5400	47.83	-46.07	30.87	-62.63	-13.00	49.63	146	252	Vertical
6	4718.6300	48.58	-45.77	32.07	-60.38	-13.00	47.38	126	360	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	70.24	-48.05	25.61	-47.46	-13.00	34.46	154	320	Horizontal
2	2037.2700	57.68	-47.83	26.77	-58.64	-13.00	45.64	163	360	Horizontal
3	2716.3600	51.76	-47.03	28.32	-62.21	-13.00	49.21	289	215	Horizontal
4	3395.4500	49.95	-46.55	29.44	-62.42	-13.00	49.42	147	215	Horizontal
5	4074.5400	49.23	-45.98	30.91	-61.09	-13.00	48.09	156	47	Horizontal
6	4753.6300	48.06	-45.71	32.18	-60.73	-13.00	47.73	126	85	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	65.40	-48.05	25.61	-52.30	-13.00	39.30	156	255	Vertical
2	2037.2700	53.97	-47.83	26.77	-62.35	-13.00	49.35	129	317	Vertical
3	2716.3600	50.75	-47.03	28.32	-63.22	-13.00	50.22	175	84	Vertical
4	3395.4500	51.59	-46.55	29.44	-60.78	-13.00	47.78	146	294	Vertical
5	4074.5400	48.77	-45.98	30.91	-61.55	-13.00	48.55	136	24	Vertical
6	4753.6300	47.02	-45.71	32.18	-61.77	-13.00	48.77	251	192	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – 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	-2.30	-0.003367	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-3.00	-0.004392	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	-2.50	-0.003660	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-2.00	-0.002928	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-1.50	-0.002196	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-0.90	-0.001318	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-1.80	-0.002635	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-1.80	-0.002635	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.60	-0.002343	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-0.90	-0.001318	PASS

---End of Attachment---



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