

Report No.: SUZR/2021/A002401

Rev.: 01

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# Appendix



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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
Band5	1.4MHz	QPSK	20407	1RB#0	23.05	19.4	38.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.07	19.42	38.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.97	19.32	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.03	19.38	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.17	19.52	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.04	19.39	38.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.02	18.37	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.81	19.16	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.03	19.38	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.78	19.13	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.96	19.31	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.95	19.3	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.90	19.25	38.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.92	18.27	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.66	19.01	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.10	19.45	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.60	18.95	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.81	19.16	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.88	19.23	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.86	19.21	38.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.85	18.2	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.36	18.71	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.82	18.17	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.19	18.54	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.09	18.44	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.13	18.48	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.00	18.35	38.5	PASS



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Band5	1.4MHz	16QAM	20407	6RB#0	20.97	17.32	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.43	17.78	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.55	17.9	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.09	18.44	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.94	18.29	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.90	18.25	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.91	18.26	38.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.84	17.19	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.59	17.94	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.46	17.81	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.47	17.82	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.73	18.08	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.76	18.11	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.51	17.86	38.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.71	17.06	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.92	18.27	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.84	19.19	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.88	19.23	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.07	18.42	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.11	18.46	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.96	18.31	38.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.97	18.32	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.84	19.19	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.84	19.19	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.79	19.14	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.03	18.38	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.94	18.29	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.98	18.33	38.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.01	18.36	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.78	19.13	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.65	19	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.71	19.06	38.5	PASS



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Band5	3MHz	QPSK	20635	8RB#0	21.95	18.3	38.5	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.91	18.26	38.5	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.79	18.14	38.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.94	18.29	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.12	18.47	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.53	17.88	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.75	18.1	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.10	17.45	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.03	17.38	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.16	17.51	38.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.03	17.38	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.46	17.81	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.50	17.85	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.03	18.38	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.85	17.2	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.85	17.2	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.98	17.33	38.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.80	17.15	38.5	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.87	18.22	38.5	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.78	18.13	38.5	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.35	17.7	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.93	17.28	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.91	17.26	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.99	17.34	38.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.80	17.15	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.97	19.32	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.90	19.25	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.70	19.05	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.00	18.35	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.05	18.4	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.97	18.32	38.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.08	18.43	38.5	PASS



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Band5	5MHz	QPSK	20525	1RB#0	22.86	19.21	38.5	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.90	19.25	38.5	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.87	19.22	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.95	18.3	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.95	18.3	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.03	18.38	38.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.95	18.3	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.60	18.95	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.80	19.15	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.69	19.04	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.87	18.22	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.84	18.19	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.83	18.18	38.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.80	18.15	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.51	17.86	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.74	18.09	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.92	18.27	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.96	17.31	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.11	17.46	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.11	17.46	38.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.21	17.56	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.96	18.31	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.24	18.59	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.24	17.59	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.81	17.16	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.09	17.44	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.93	17.28	38.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.90	17.25	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.24	17.59	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.63	17.98	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.52	17.87	38.5	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.75	17.1	38.5	PASS



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Band5	5MHz	16QAM	20625	12RB#6	20.81	17.16	38.5	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.76	17.11	38.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.04	17.39	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.61	18.96	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.95	19.3	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.48	18.83	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.72	18.07	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.71	18.06	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.69	18.04	38.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.74	18.09	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.56	18.91	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.00	19.35	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.60	18.95	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.66	18.01	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.65	18	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.63	17.98	38.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.63	17.98	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.55	18.9	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.68	19.03	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.31	18.66	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.67	18.02	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.66	18.01	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.51	17.86	38.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.55	17.9	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.80	18.15	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.88	18.23	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.43	17.78	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.66	17.01	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.75	17.1	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.70	17.05	38.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.83	17.18	38.5	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.73	18.08	38.5	PASS



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Report No.: SUZR/2021/A002401

Rev.: 01

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Band5	10MHz	16QAM	20525	1RB#24	21.91	18.26	38.5	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.77	18.12	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.71	17.06	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.69	17.04	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.51	16.86	38.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.79	17.14	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.06	18.41	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.15	18.5	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.95	18.3	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.63	16.98	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.71	17.06	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.49	16.84	38.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.49	16.84	38.5	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.02	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.08	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.00	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.90	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.84	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.92	13	PASS



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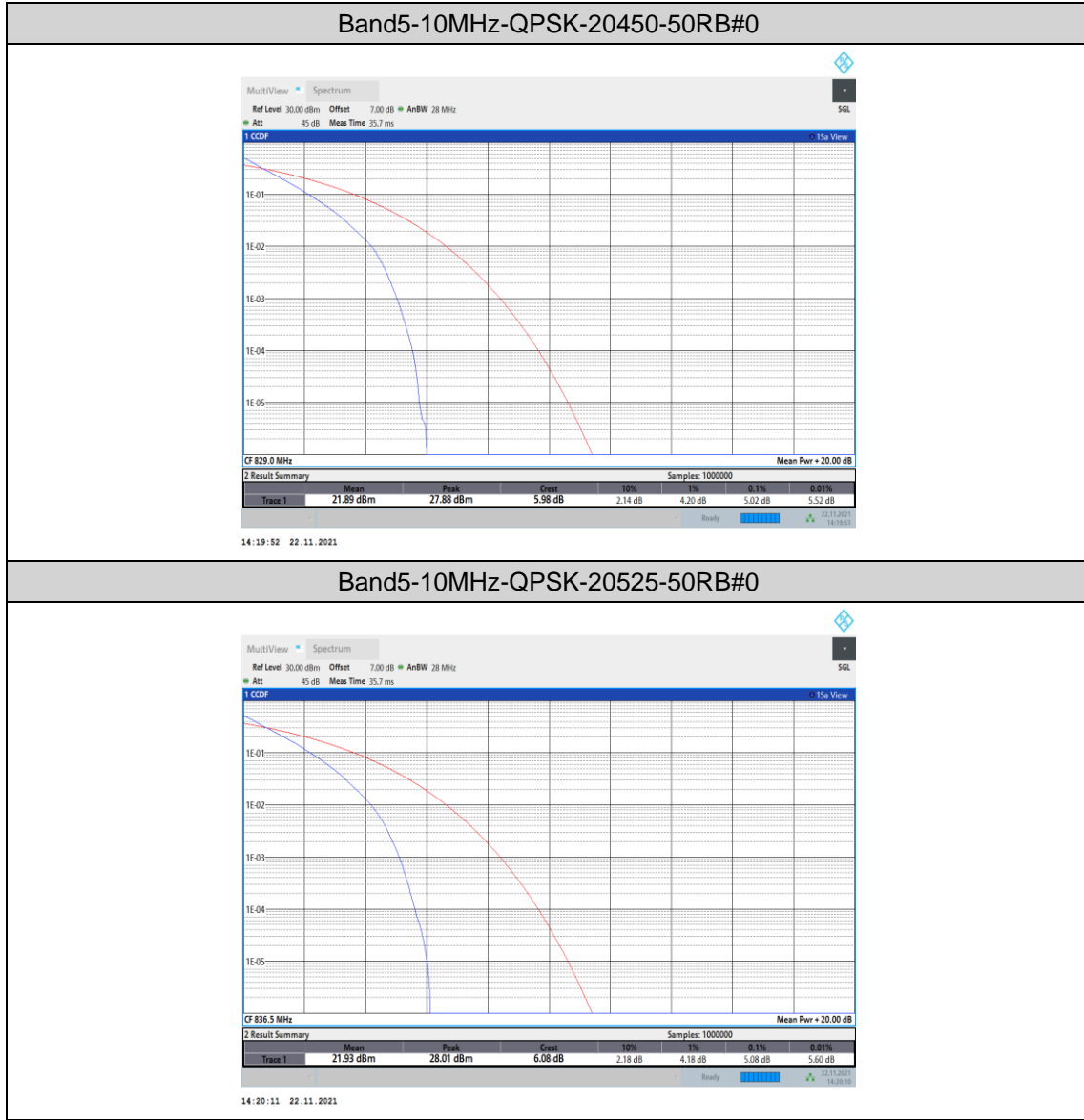
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Test Graphs

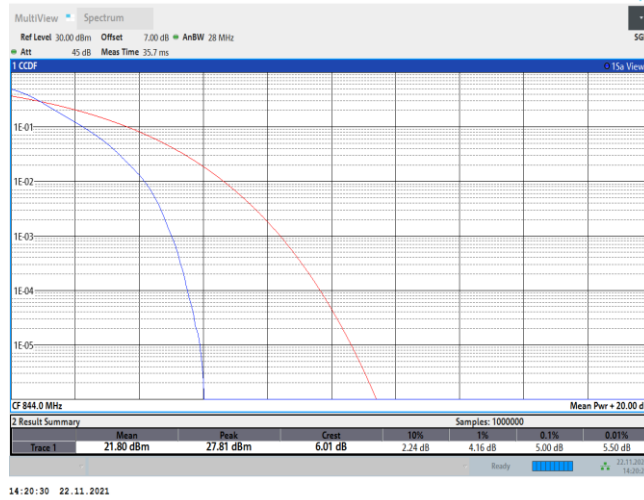


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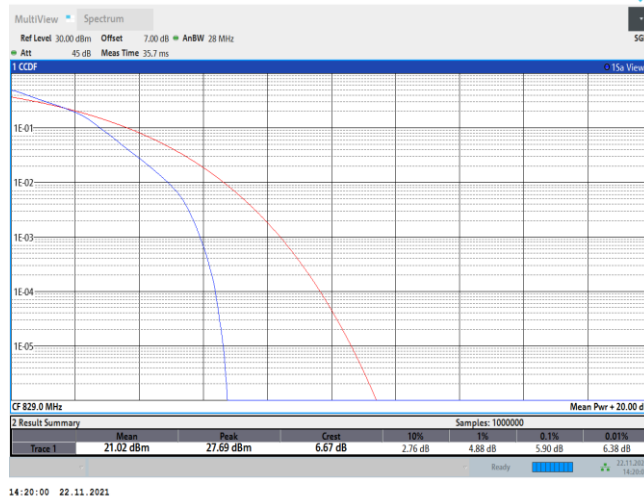
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Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0

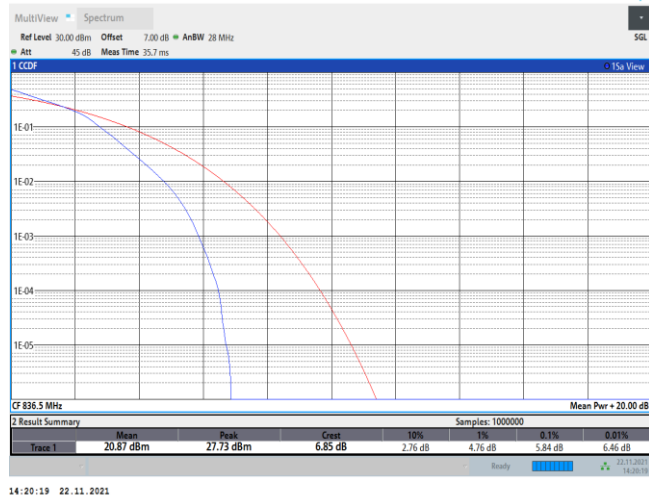


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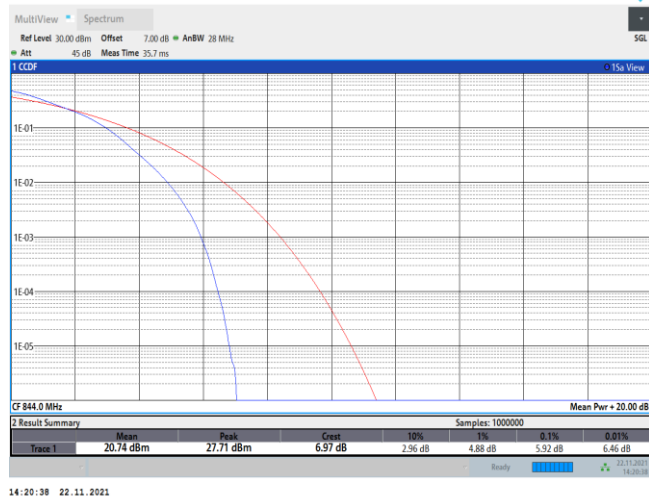
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Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



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## Modulation Characteristics

### Test Result

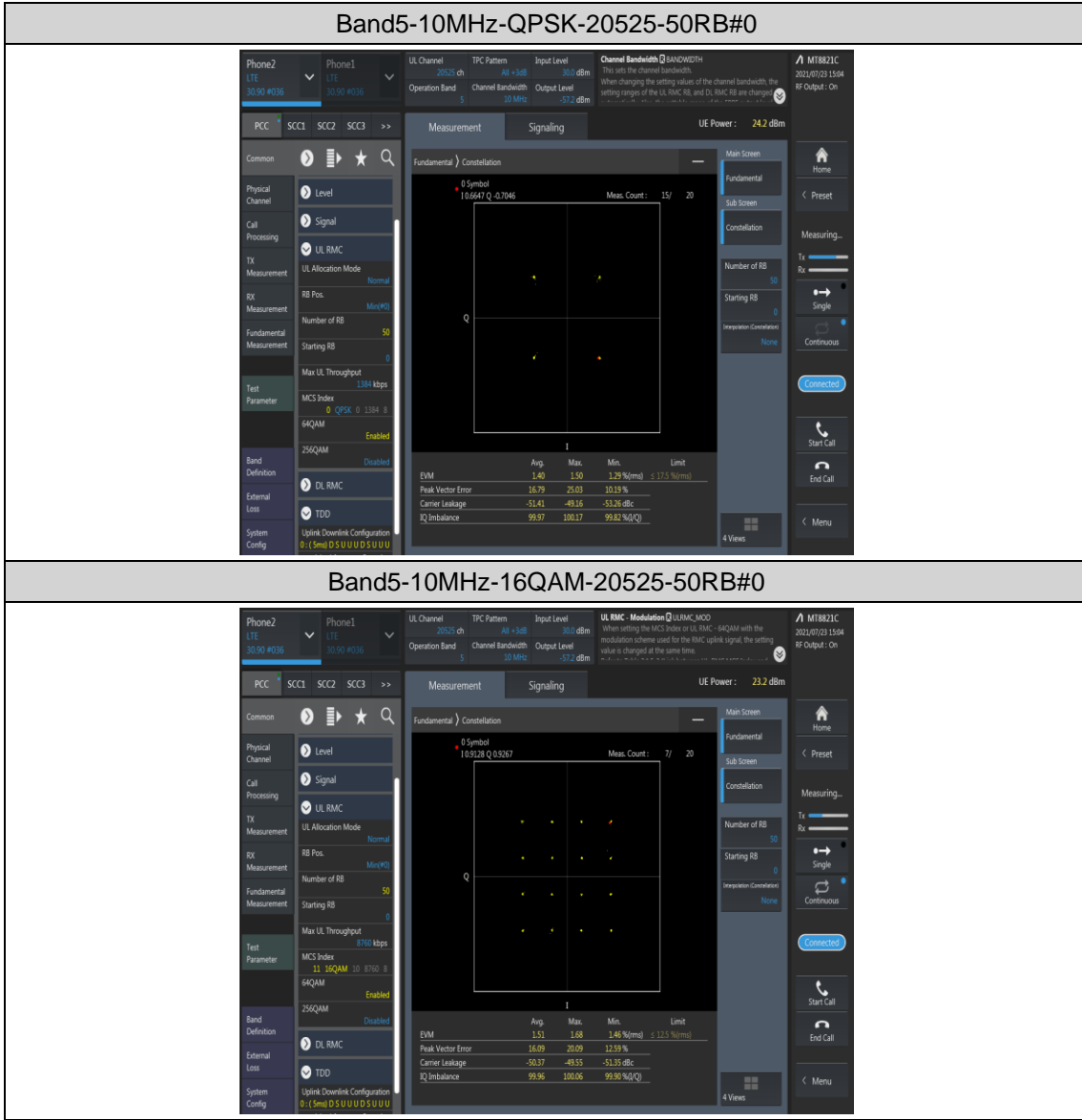
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS



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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
Band5	1.4MHz	QPSK	20407	6RB#0	1.098	1.326	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.105	1.302	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.097	1.329	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.101	1.320	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.098	1.329	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1	1.317	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.701	2.970	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.701	2.988	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7	2.970	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.701	2.988	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.695	2.994	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.970	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.481	4.950	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.472	4.940	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.477	4.930	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.471	4.920	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.479	4.970	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.481	4.930	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.939	9.800	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.922	9.760	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.903	9.760	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.925	9.680	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.928	9.660	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.91	9.640	PASS



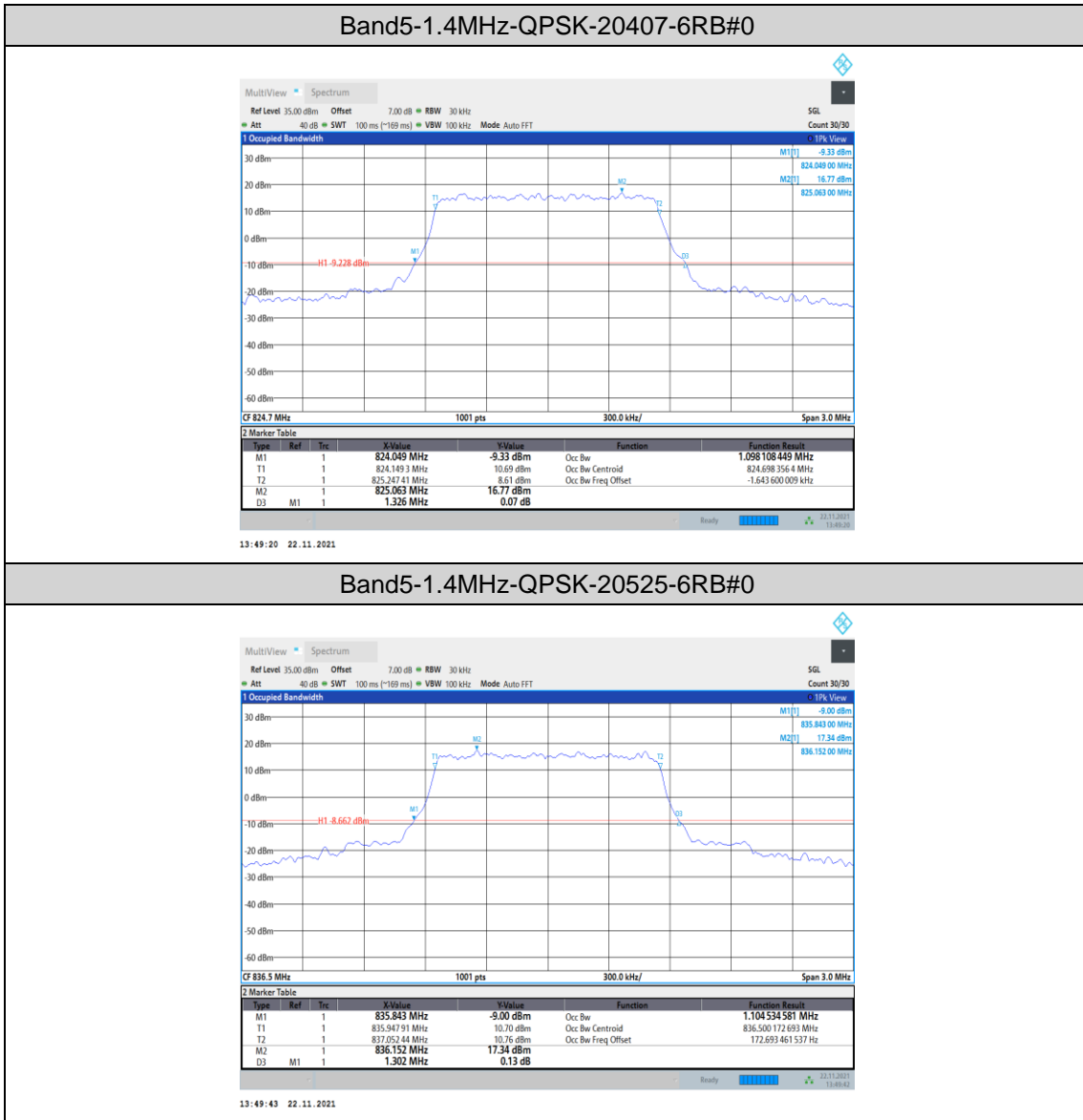
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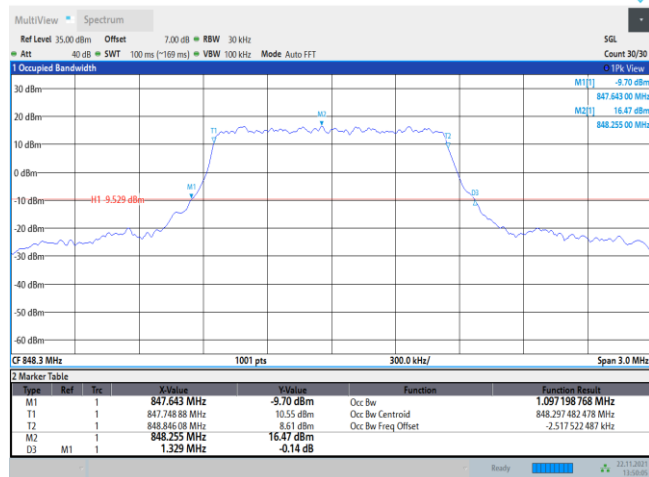


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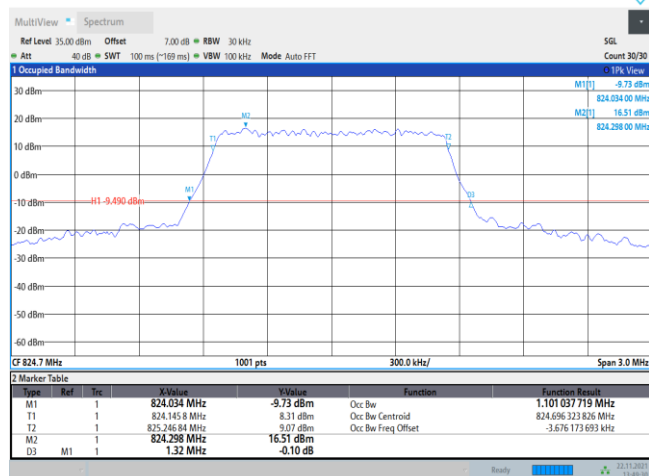
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Band5-1.4MHz-QPSK-20643-6RB#0



13:50:06 22.11.2021

Band5-1.4MHz-16QAM-20407-6RB#0



13:49:31 22.11.2021



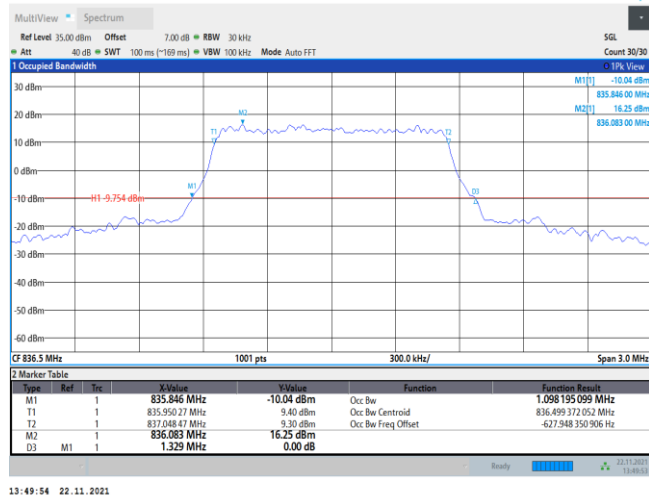
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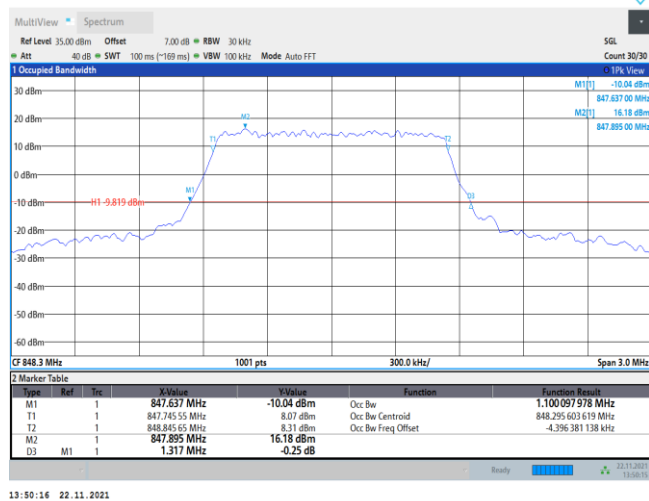
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Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0

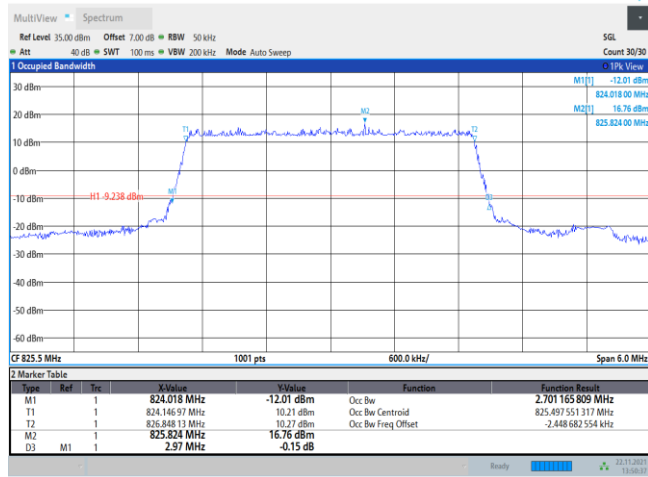


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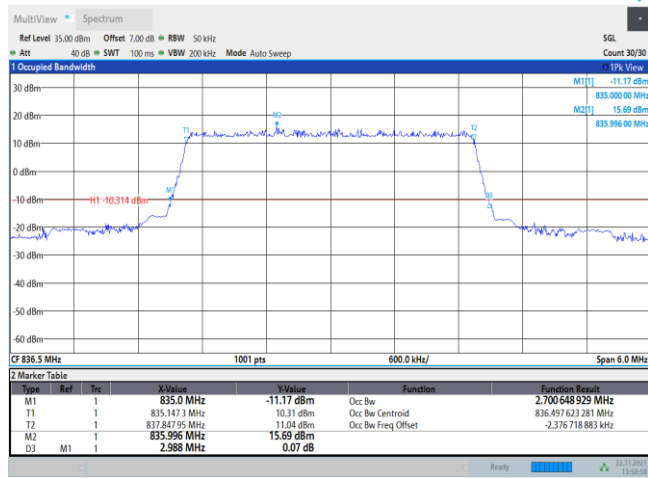
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Band5-3MHz-QPSK-20415-15RB#0



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13:50:59 22.11.2021

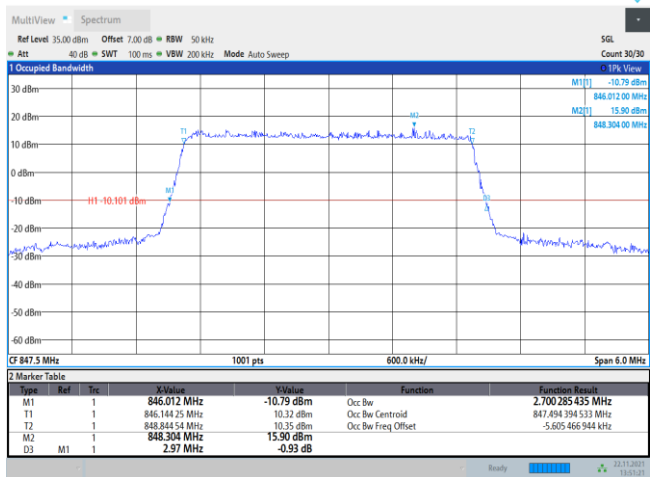


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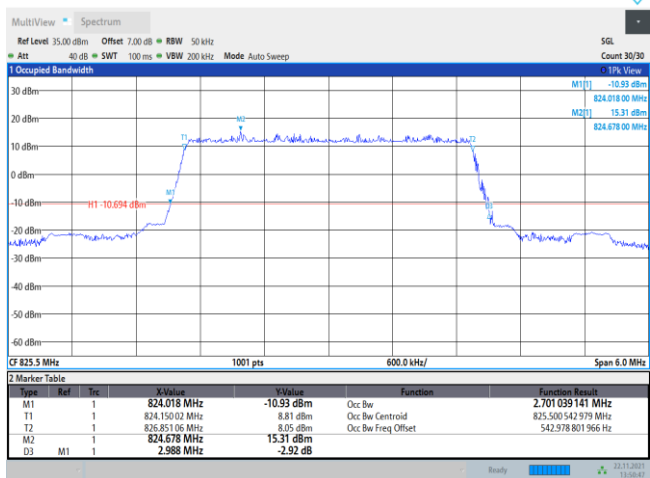
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Band5-3MHz-QPSK-20635-15RB#0



13:51:22 22.11.2021

Band5-3MHz-16QAM-20415-15RB#0



13:50:47 22.11.2021

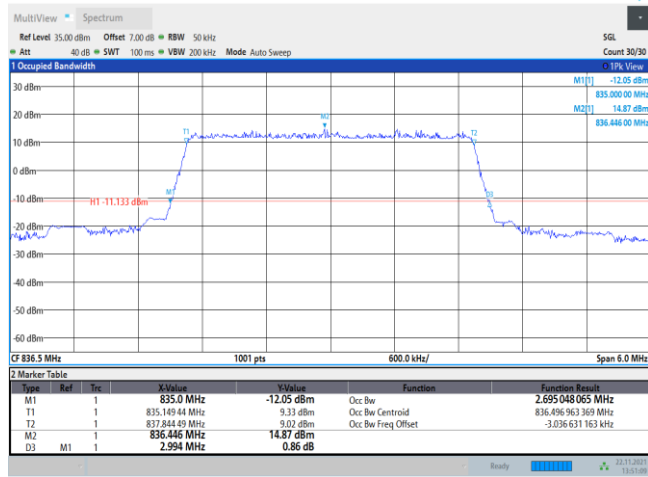


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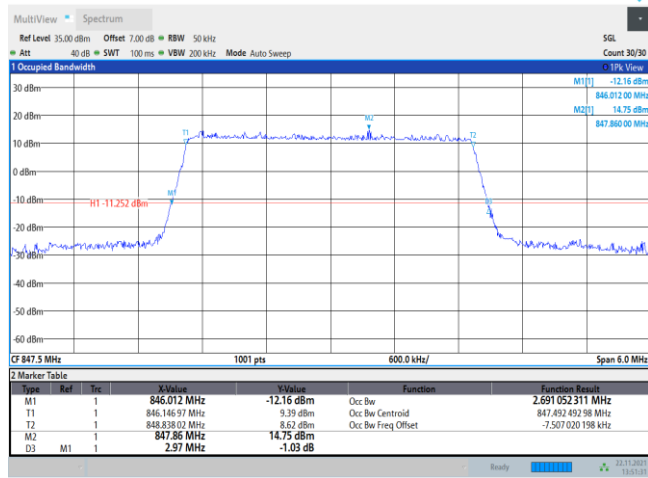
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Band5-3MHz-16QAM-20525-15RB#0



13:51:10 22.11.2021

Band5-3MHz-16QAM-20635-15RB#0



13:51:32 22.11.2021

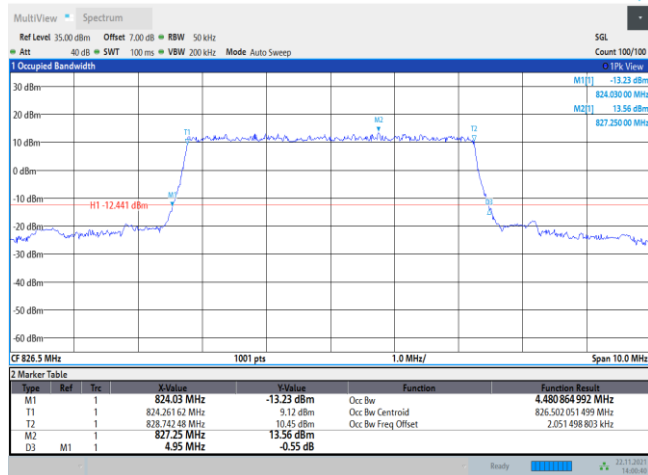


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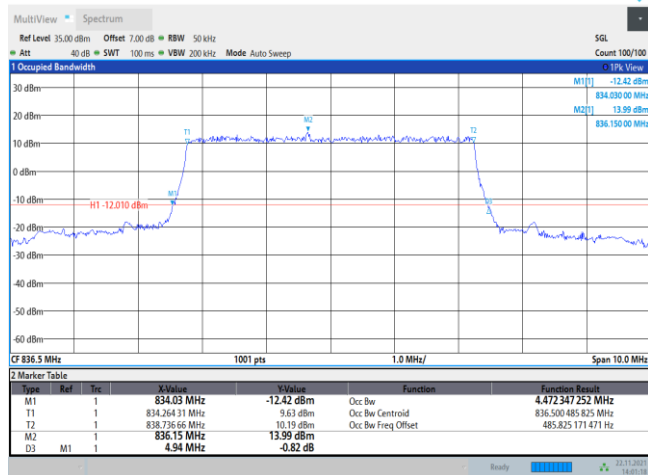
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Band5-5MHz-QPSK-20425-25RB#0



14:00:41 22.11.2021

Band5-5MHz-QPSK-20525-25RB#0



14:01:18 22.11.2021

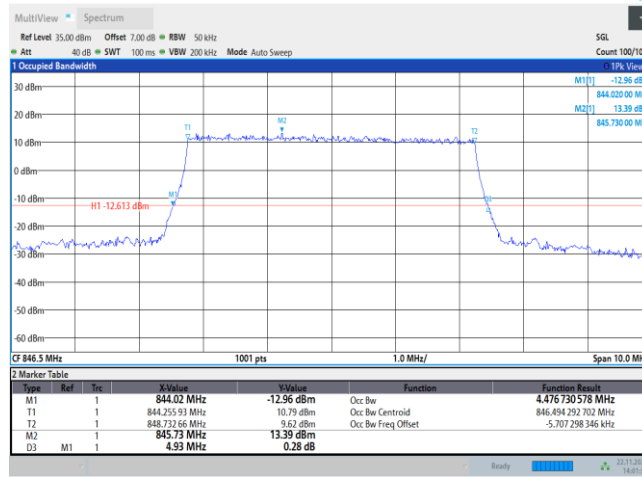


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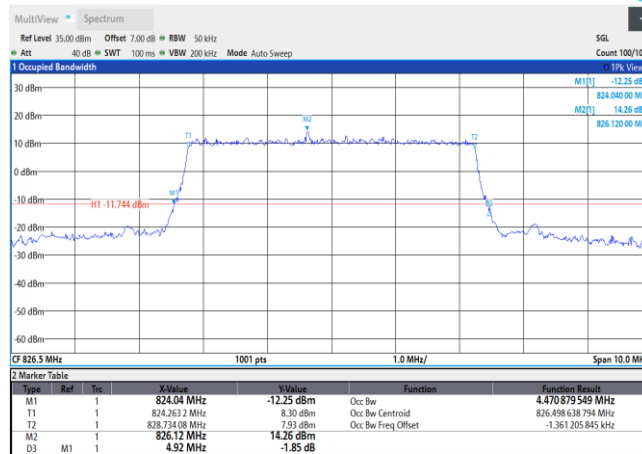
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Band5-5MHz-QPSK-20625-25RB#0



14:01:55 22.11.2021

Band5-5MHz-16QAM-20425-25RB#0



14:00:59 22.11.2021

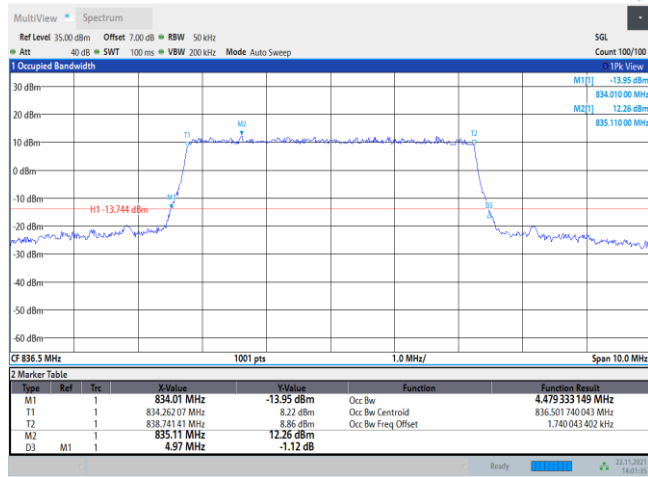


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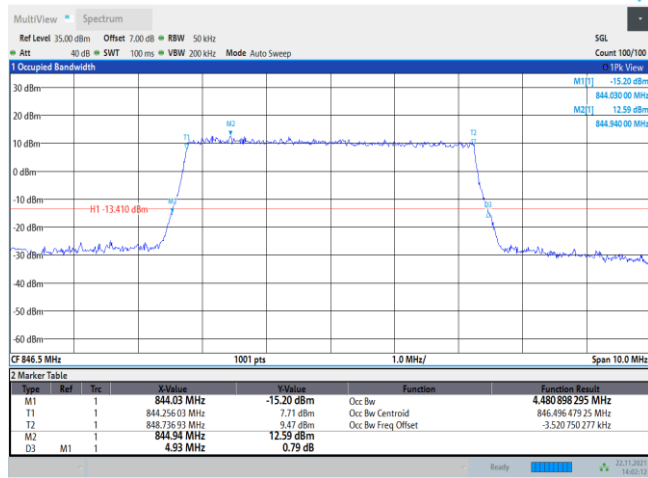
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Band5-5MHz-16QAM-20525-25RB#0



14:01:36 22.11.2021

Band5-5MHz-16QAM-20625-25RB#0



14:02:12 22.11.2021

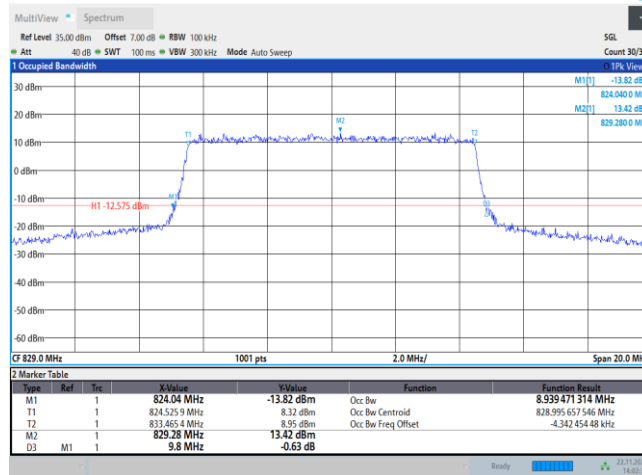


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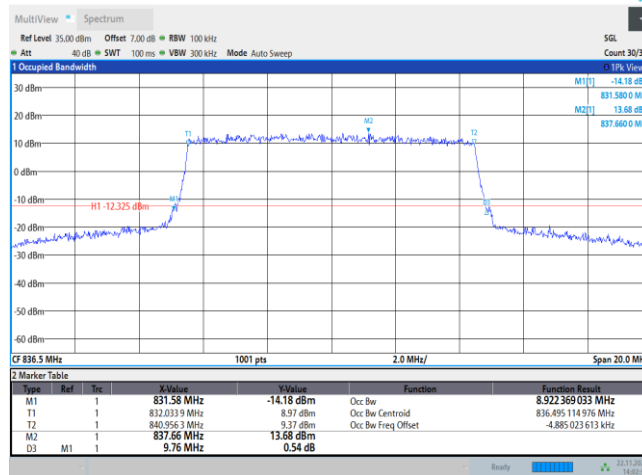
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Band5-10MHz-QPSK-20450-50RB#0



14:02:32 22.11.2021

Band5-10MHz-QPSK-20525-50RB#0



14:02:54 22.11.2021



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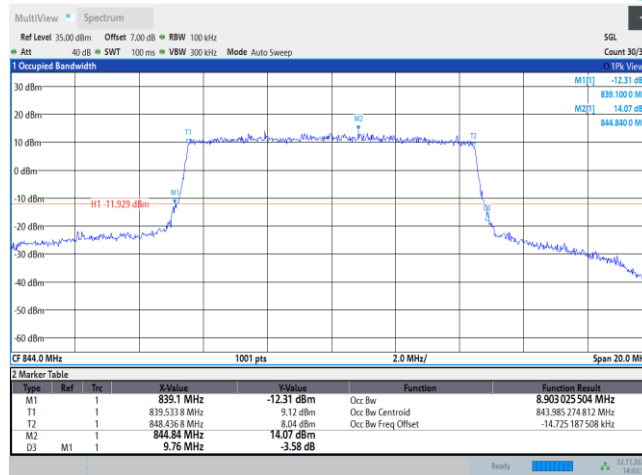
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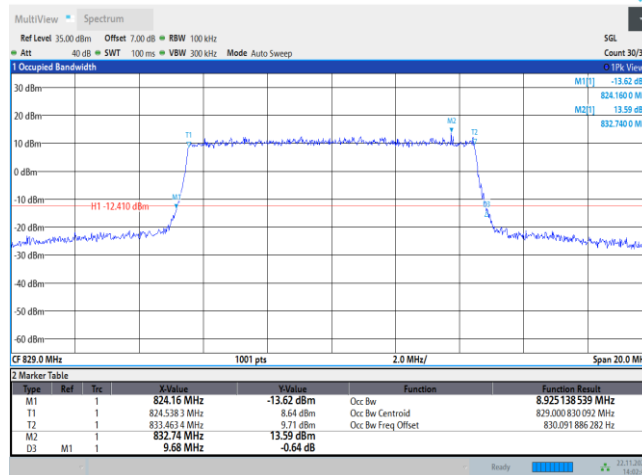


Band5-10MHz-QPSK-20600-50RB#0



14:03:17 22.11.2021

Band5-10MHz-16QAM-20450-50RB#0



14:02:42 22.11.2021

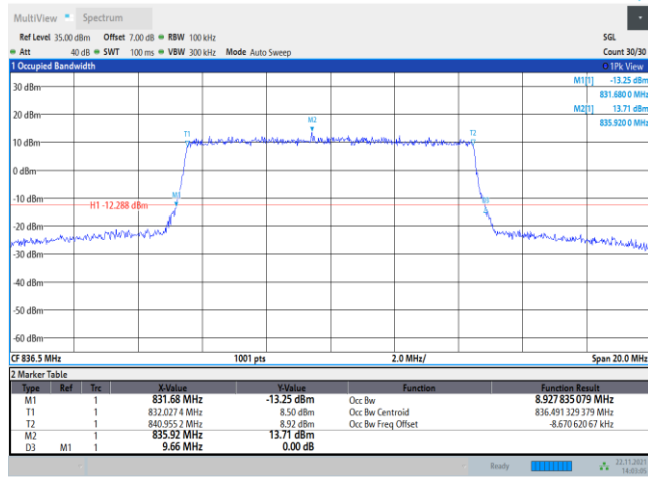


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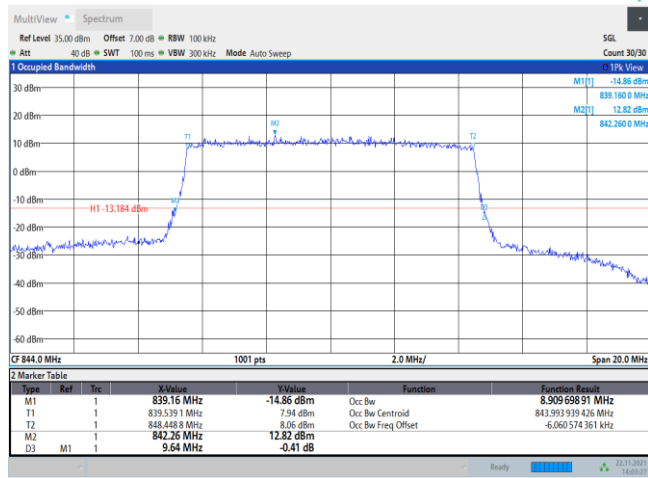
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Band5-10MHz-16QAM-20525-50RB#0



14:03:05 22.11.2021

Band5-10MHz-16QAM-20600-50RB#0



14:03:28 22.11.2021



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## Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20427	1RB#0	-19.78	PASS
Band5	1.4MHz	QPSK	20427	6RB#0	-24.89	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-21.49	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-26.32	PASS
Band5	1.4MHz	16QAM	20427	1RB#0	-21.53	PASS
Band5	1.4MHz	16QAM	20427	6RB#0	-25.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-23.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-27.77	PASS
Band5	3MHz	QPSK	20415	1RB#0	-19.56	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.11	PASS
Band5	3MHz	QPSK	20635	1RB#14	-20.87	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.63	PASS
Band5	3MHz	16QAM	20415	1RB#0	-21.15	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.71	PASS
Band5	3MHz	16QAM	20635	1RB#14	-23.67	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.32	PASS
Band5	5MHz	QPSK	20425	1RB#0	-21.40	PASS
Band5	5MHz	QPSK	20425	25RB#0	-27.14	PASS
Band5	5MHz	QPSK	20625	1RB#24	-22.49	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.71	PASS
Band5	5MHz	16QAM	20425	1RB#0	-22.43	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.13	PASS
Band5	5MHz	16QAM	20625	1RB#24	-23.49	PASS
Band5	5MHz	16QAM	20625	25RB#0	-30.62	PASS
Band5	10MHz	QPSK	20450	1RB#0	-29.06	PASS
Band5	10MHz	QPSK	20450	50RB#0	-27.14	PASS
Band5	10MHz	QPSK	20600	1RB#49	-30.10	PASS
Band5	10MHz	QPSK	20600	50RB#0	-30.28	PASS
Band5	10MHz	16QAM	20450	1RB#0	-30.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	-28.99	PASS
Band5	10MHz	16QAM	20600	1RB#49	-31.72	PASS
Band5	10MHz	16QAM	20600	50RB#0	-32.97	PASS



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Rev.: 01

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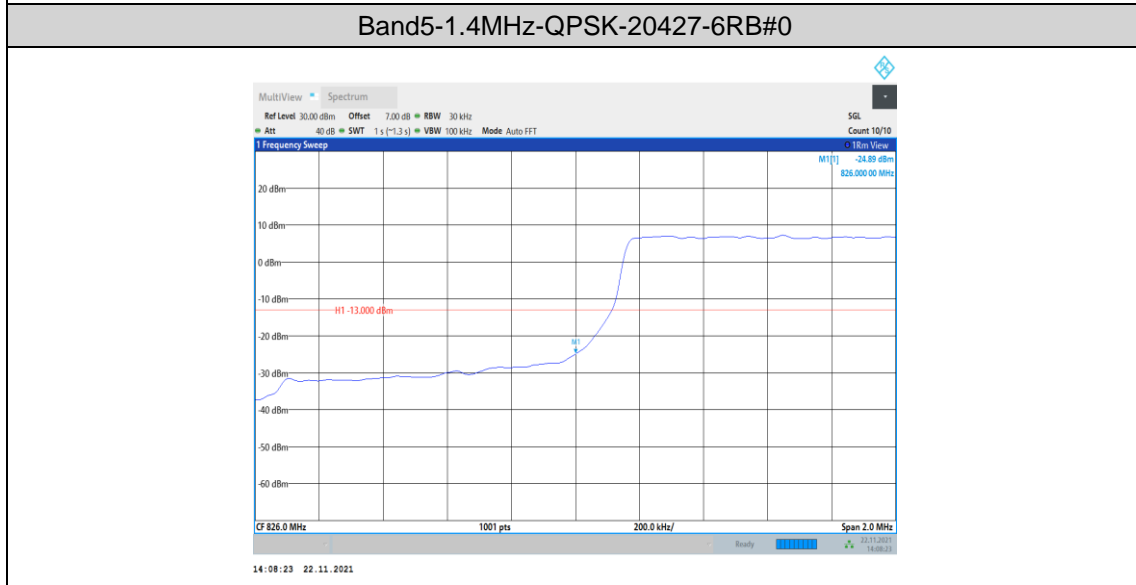
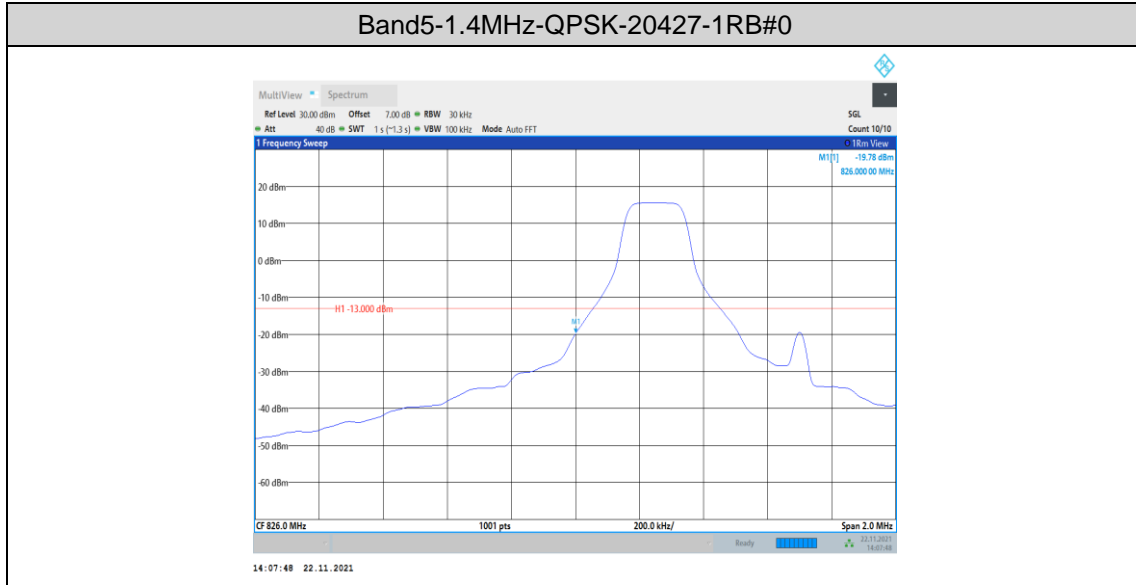
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Test Graphs

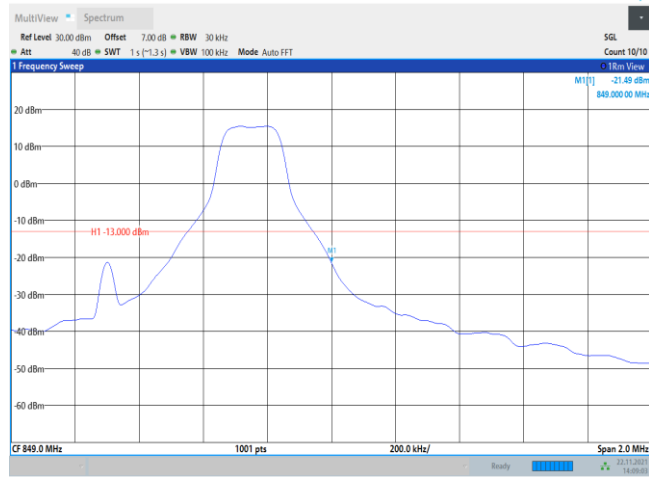


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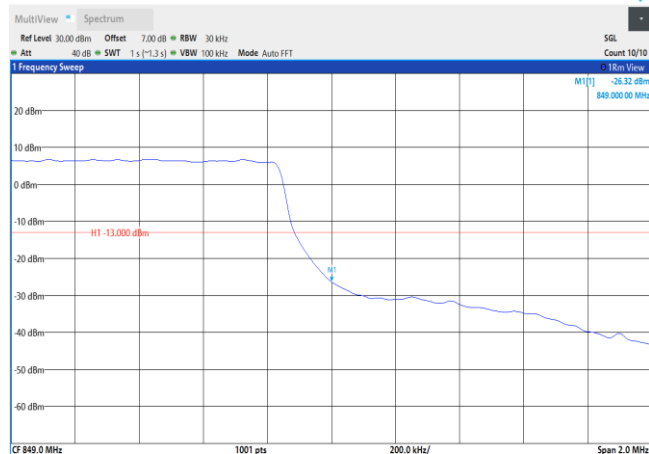
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Band5-1.4MHz-QPSK-20643-1RB#5



14:09:04 22.11.2021

Band5-1.4MHz-QPSK-20643-6RB#0



14:09:38 22.11.2021



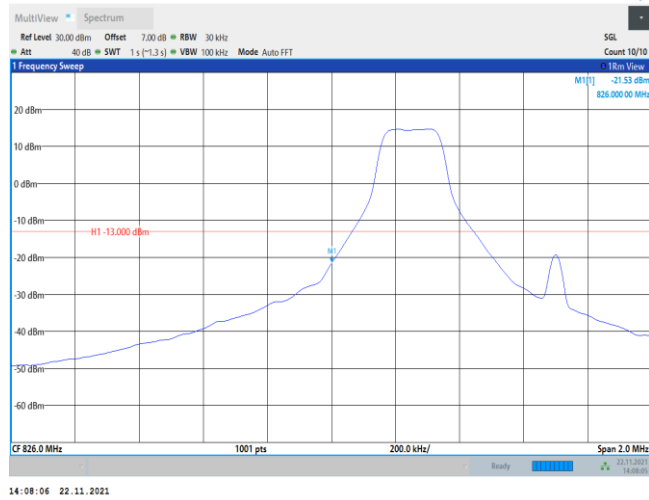
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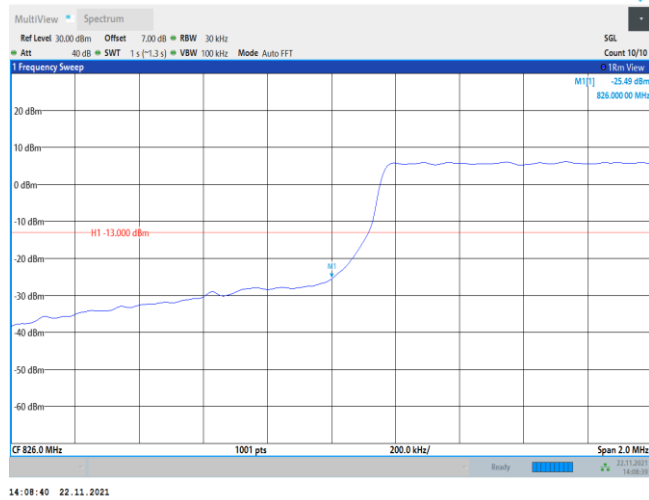
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Band5-1.4MHz-16QAM-20427-1RB#0



Band5-1.4MHz-16QAM-20427-6RB#0

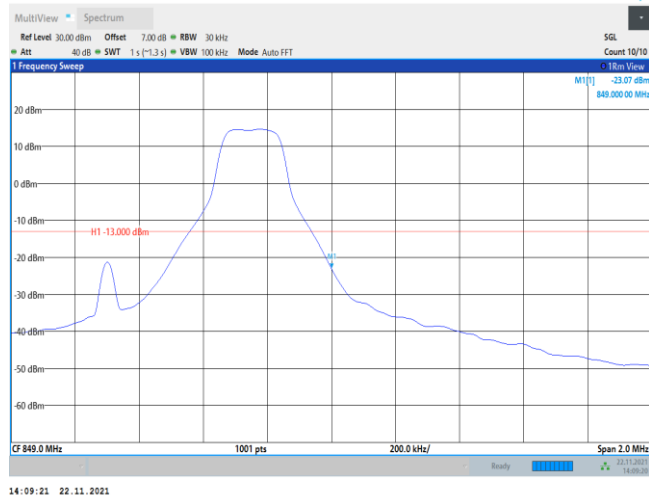


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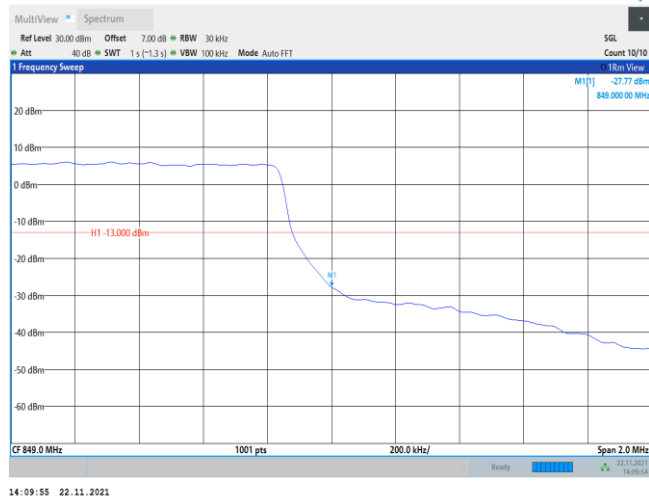
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Band5-1.4MHz-16QAM-20643-1RB#5



Band5-1.4MHz-16QAM-20643-6RB#0

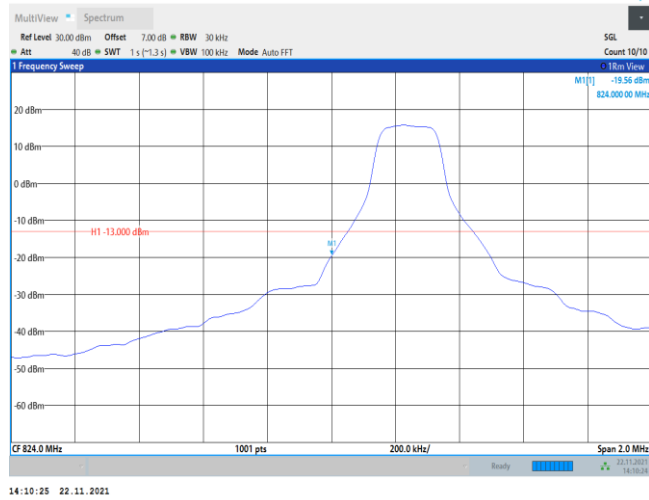


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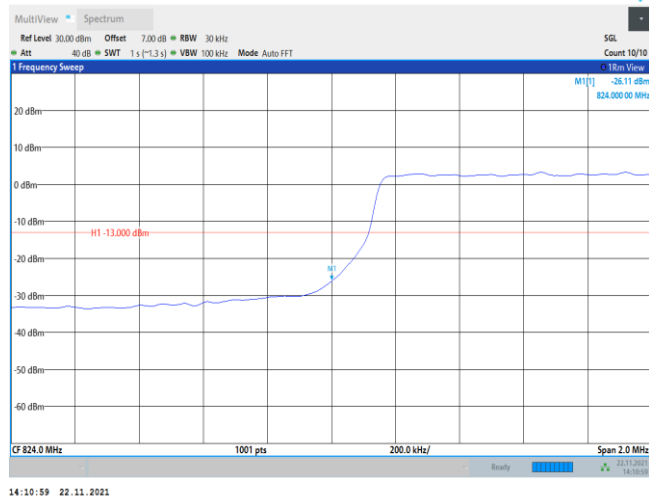
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Band5-3MHz-QPSK-20415-1RB#0



Band5-3MHz-QPSK-20415-15RB#0

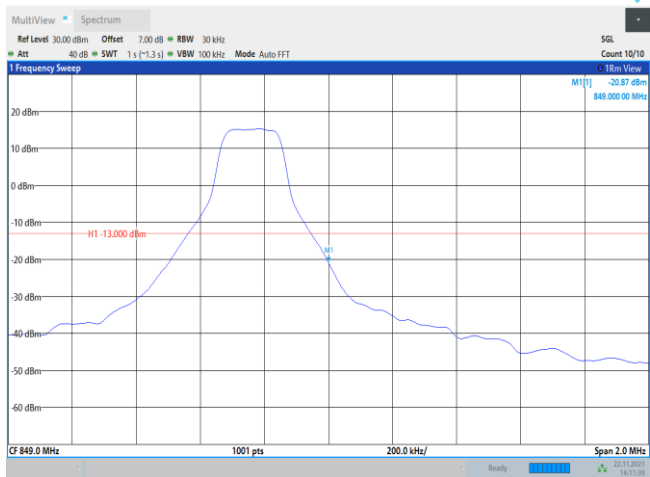


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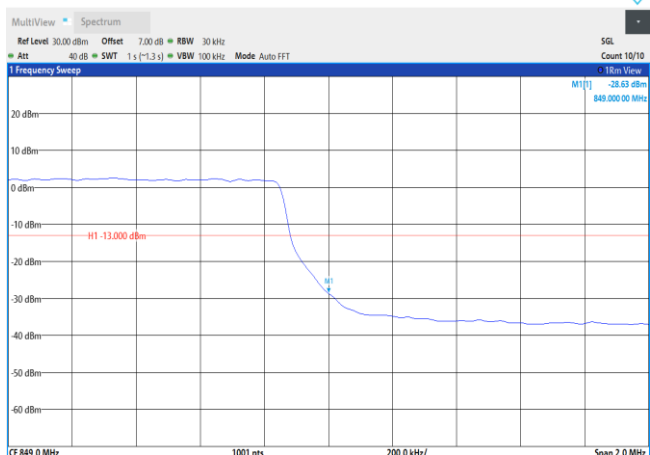
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Band5-3MHz-QPSK-20635-1RB#14



14:11:40 22.11.2021

Band5-3MHz-QPSK-20635-15RB#0

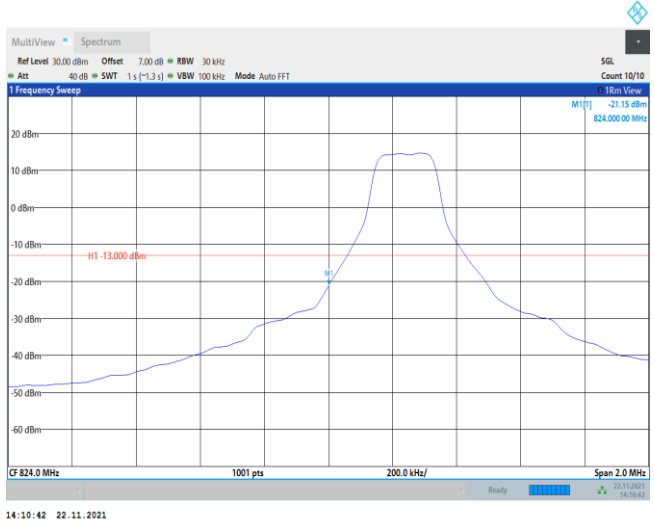


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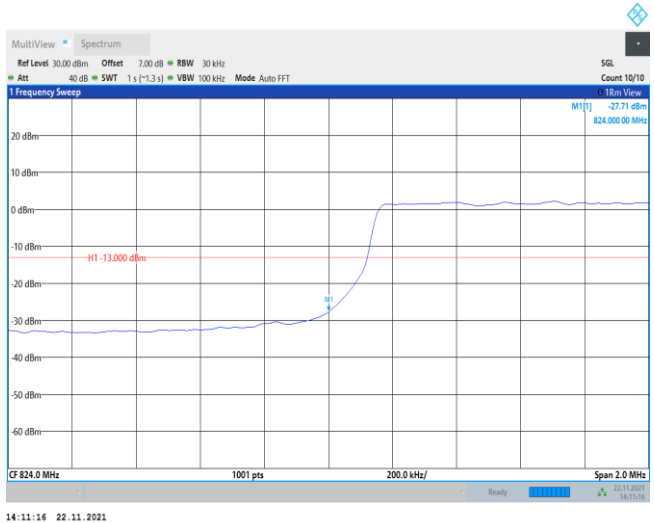


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Band5-3MHz-16QAM-20415-1RB#0



Band5-3MHz-16QAM-20415-15RB#0

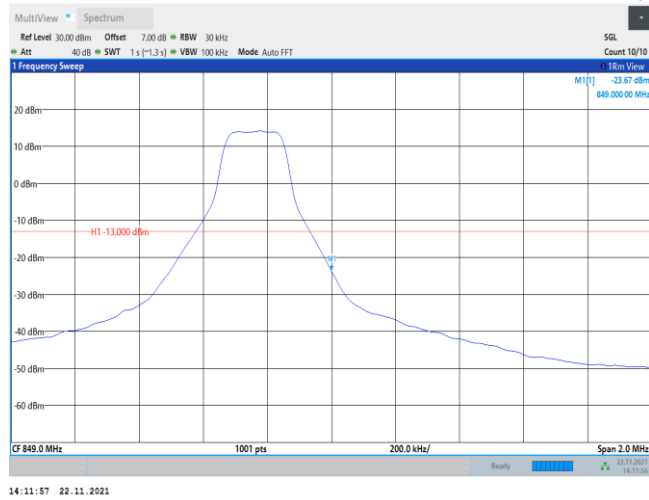


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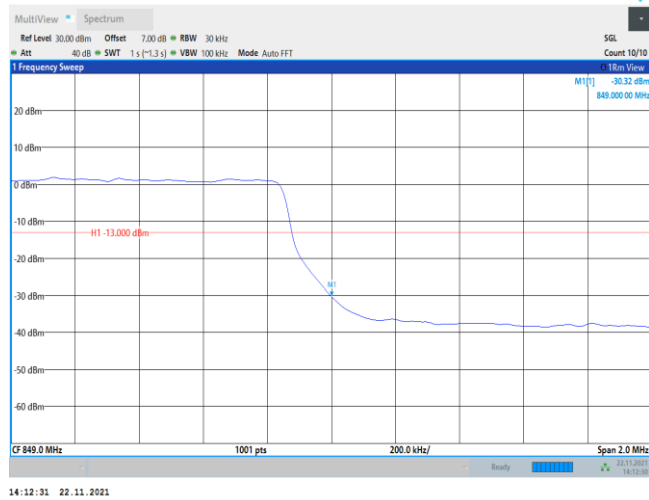
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Band5-3MHz-16QAM-20635-1RB#14



Band5-3MHz-16QAM-20635-15RB#0

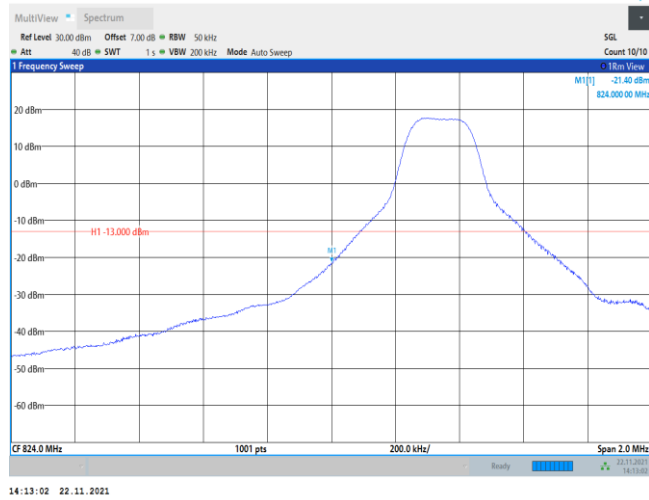


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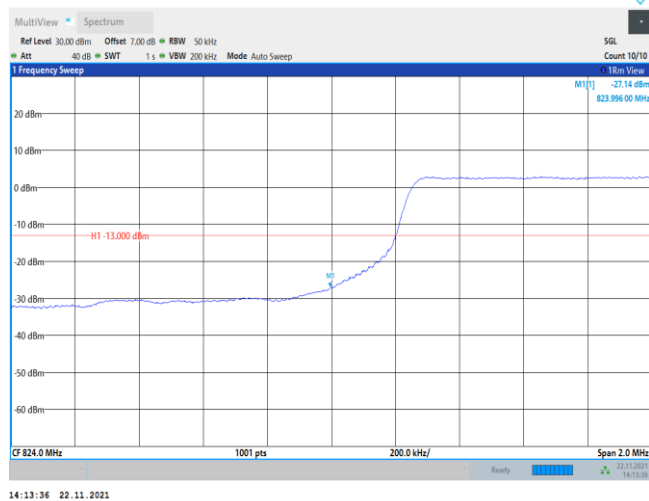
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Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0

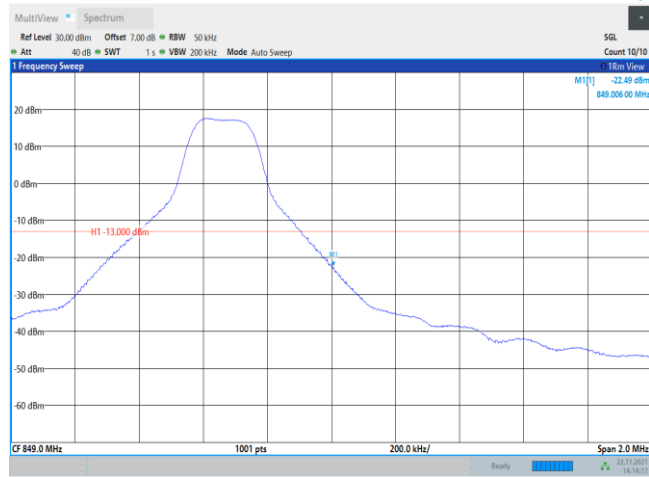


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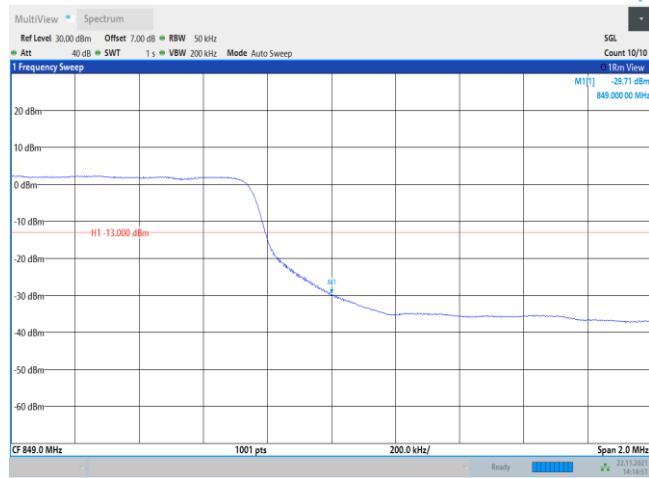
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Band5-5MHz-QPSK-20625-1RB#24



14:14:17 22.11.2021

Band5-5MHz-QPSK-20625-25RB#0



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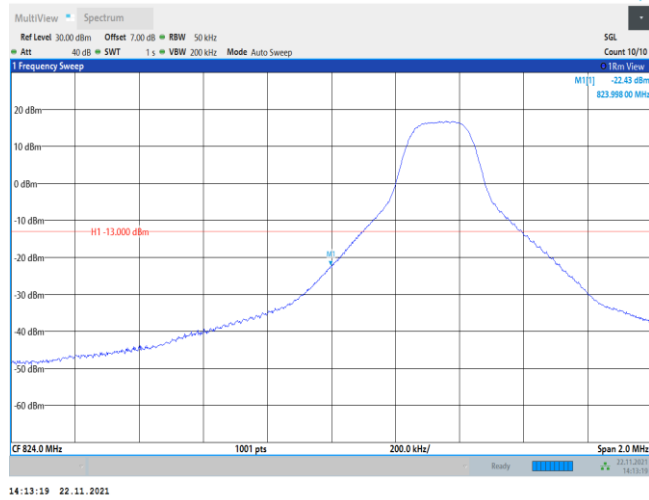


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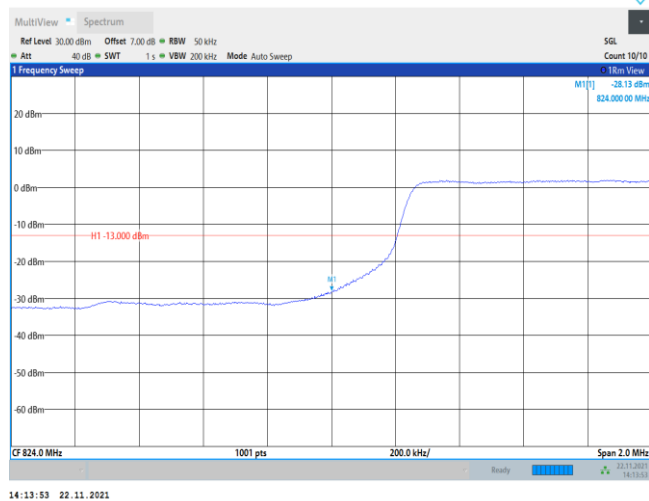
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Band5-5MHz-16QAM-20425-25RB#0

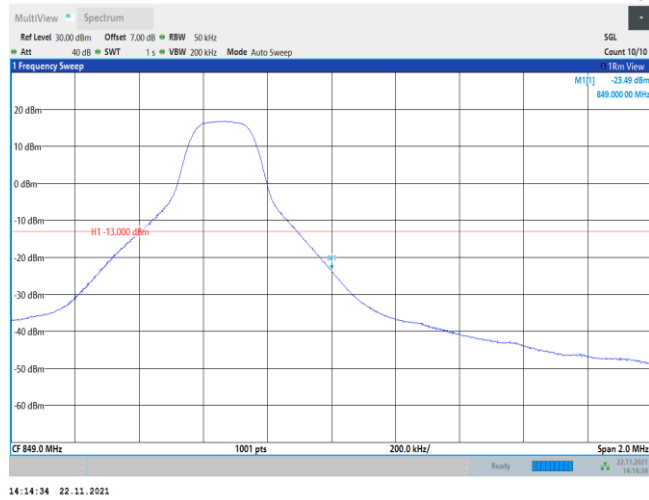


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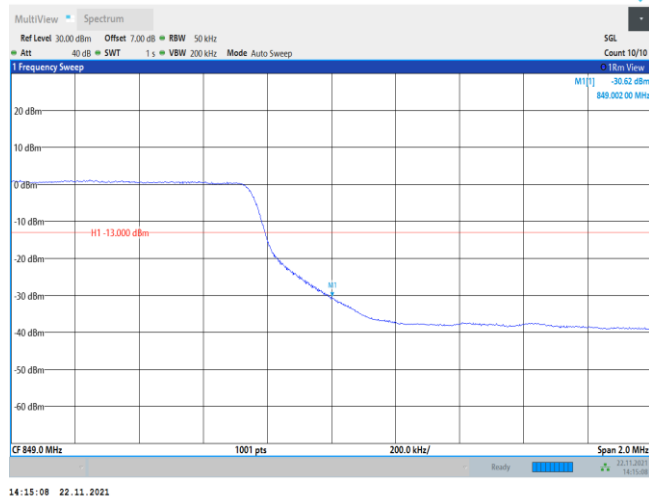
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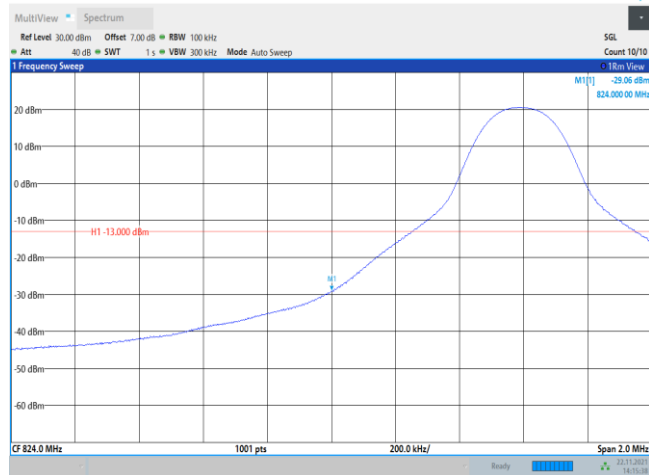
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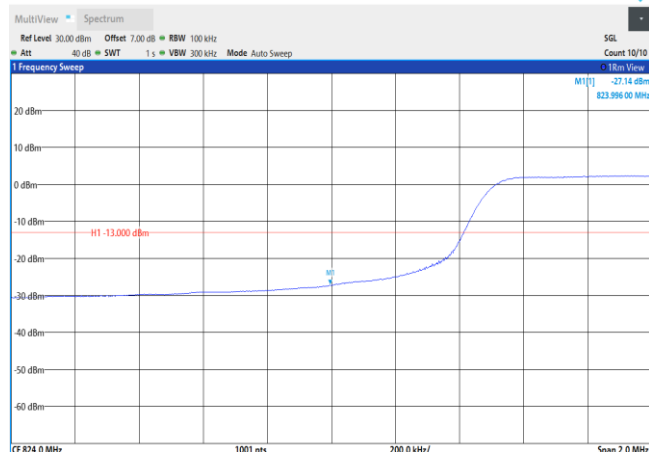


Band5-10MHz-QPSK-20450-1RB#0



14:15:39 22.11.2021

Band5-10MHz-QPSK-20450-50RB#0



14:16:13 22.11.2021

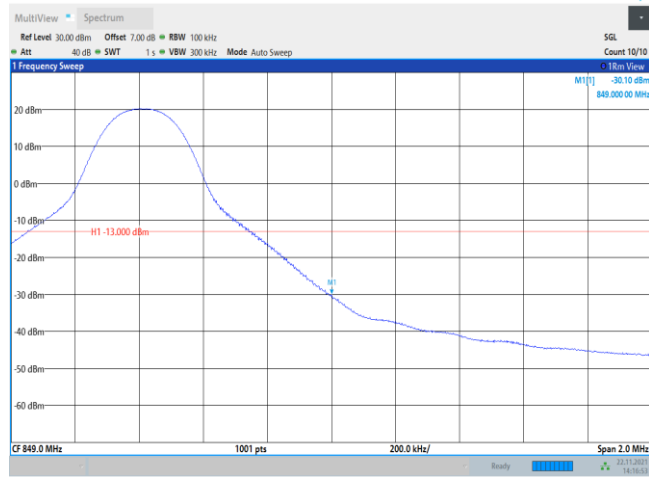


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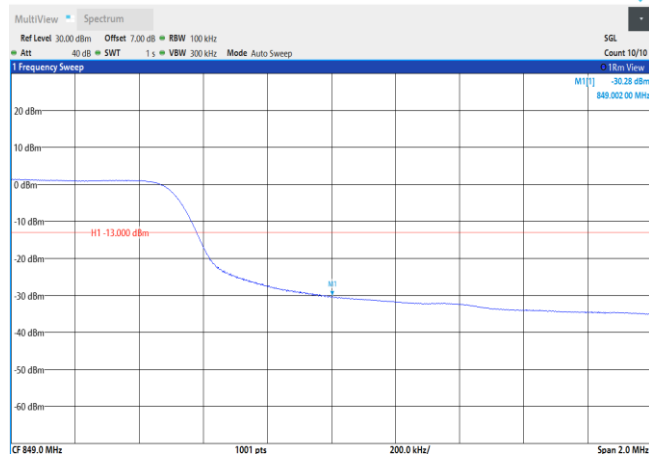
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Band5-10MHz-QPSK-20600-1RB#49



14:16:54 22.11.2021

Band5-10MHz-QPSK-20600-50RB#0



14:17:28 22.11.2021



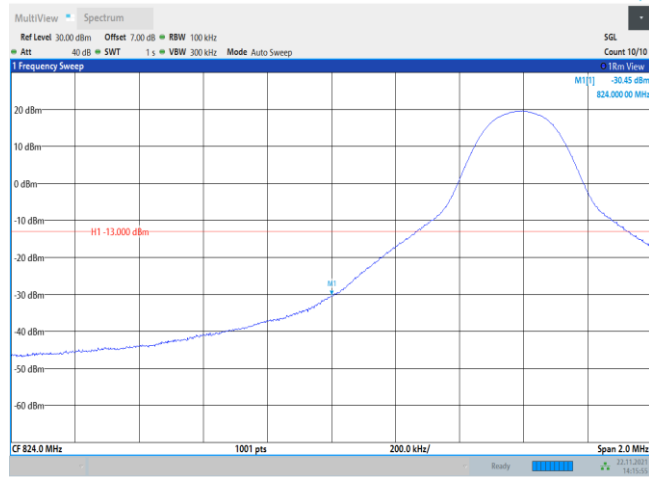
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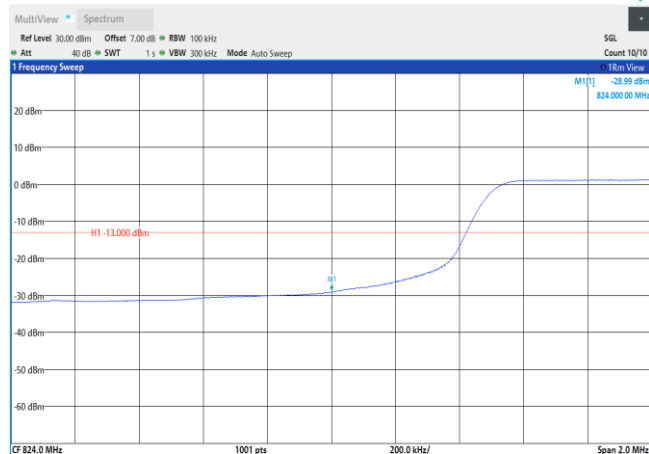
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Band5-10MHz-16QAM-20450-1RB#0



14:15:56 22.11.2021

Band5-10MHz-16QAM-20450-50RB#0



14:16:30 22.11.2021

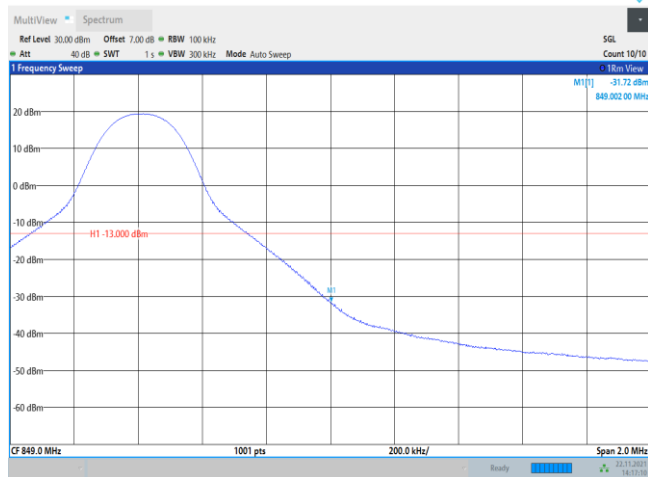


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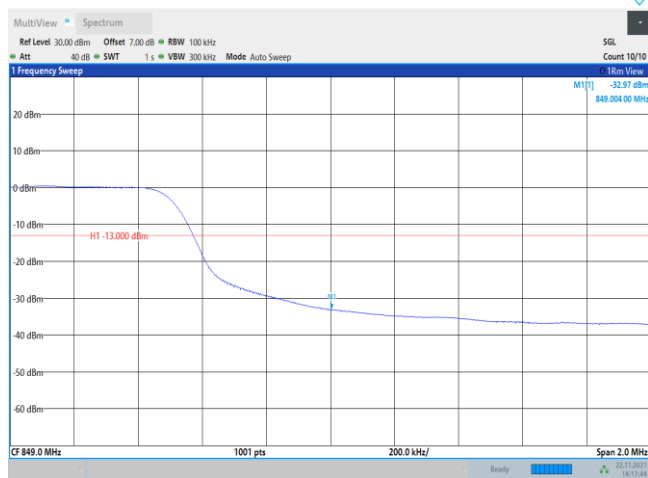
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Band5-10MHz-16QAM-20600-1RB#49



14:17:11 22.11.2021

Band5-10MHz-16QAM-20600-50RB#0



14:17:45 22.11.2021



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## Conducted Spurious Emission

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-37.68	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-33.66	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-36.81	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-32.96	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-36.77	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-33.87	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-37.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-34.83	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-37.04	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-34.56	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-35.21	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-34.14	PASS

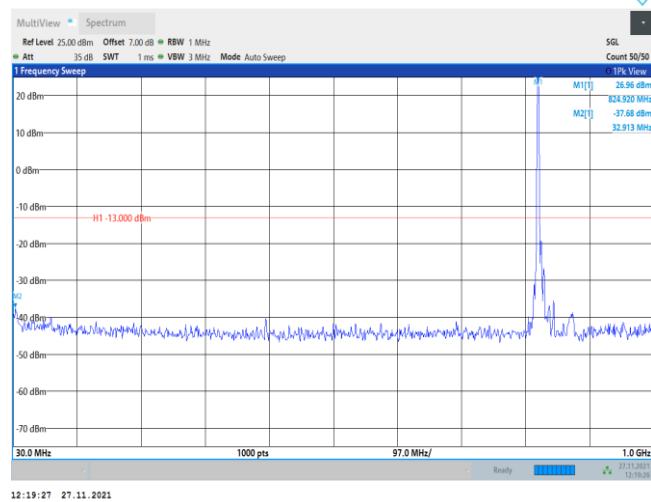


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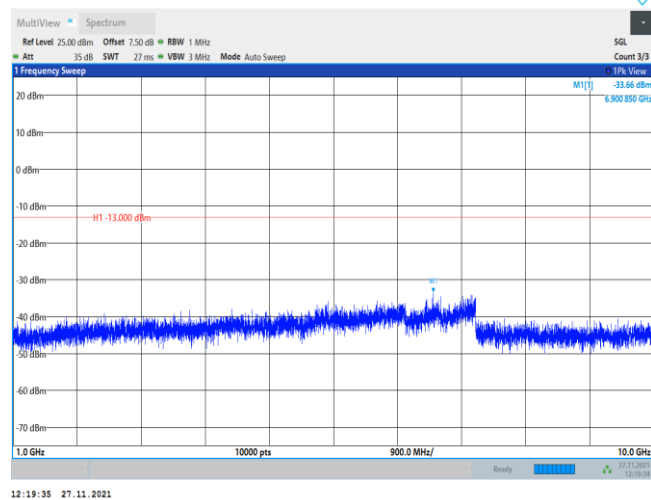
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Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz

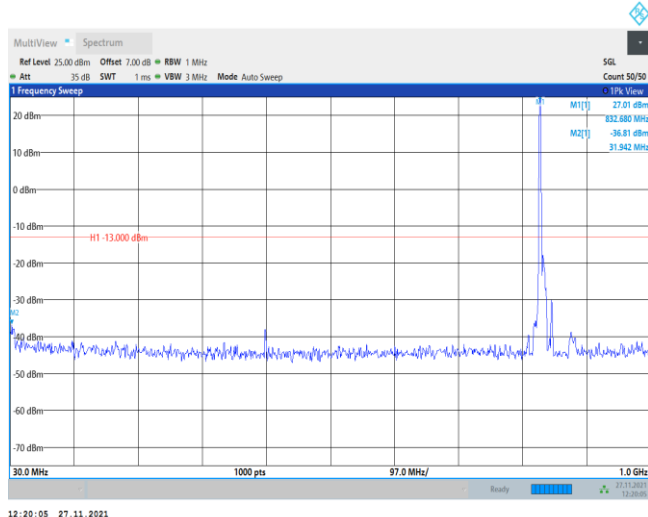


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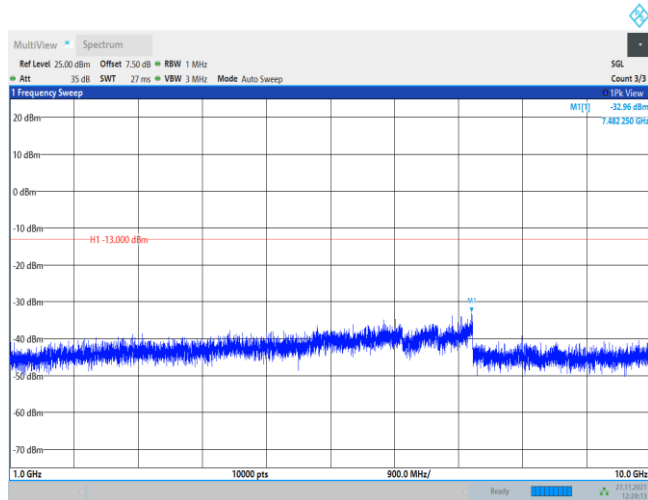
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Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



12:20:05 27.11.2021

Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



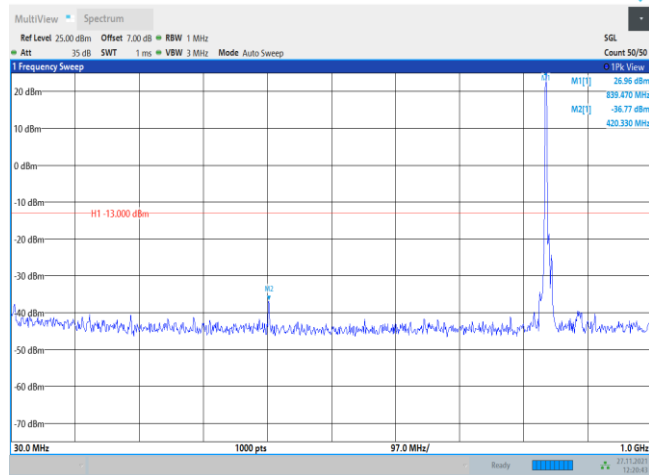
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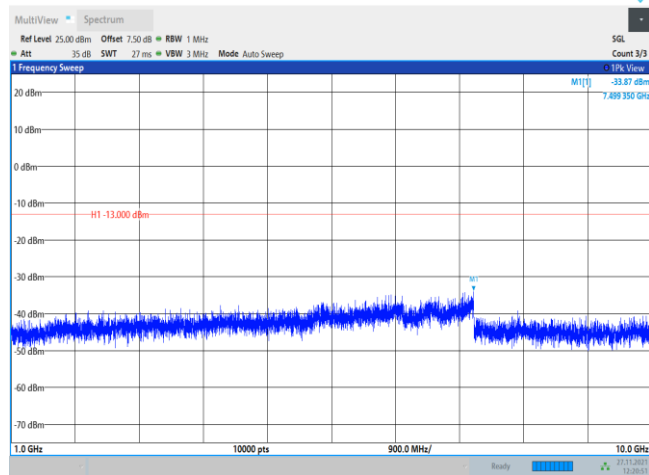
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12:20:43 27.11.2021

Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



12:20:52 27.11.2021

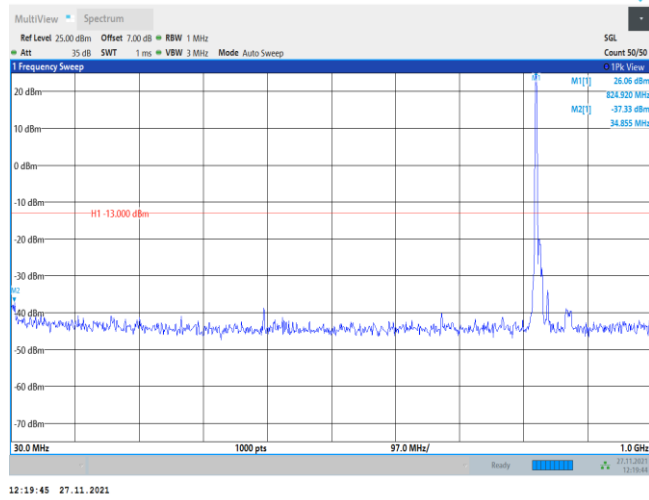


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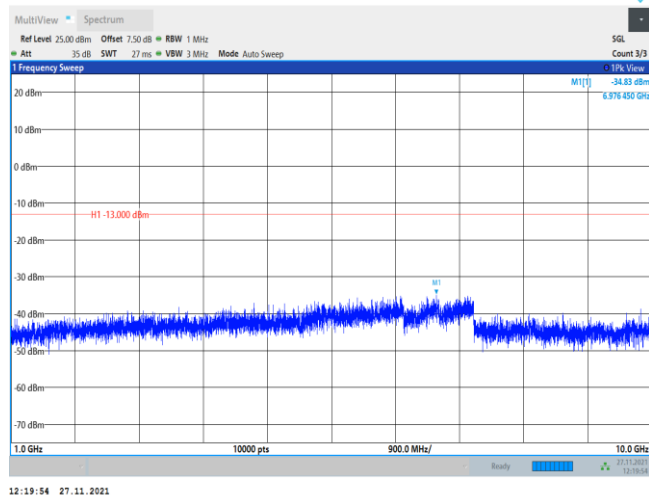
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Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz

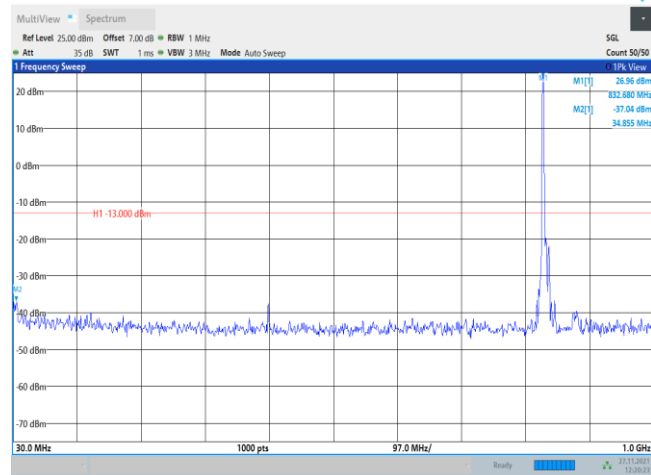


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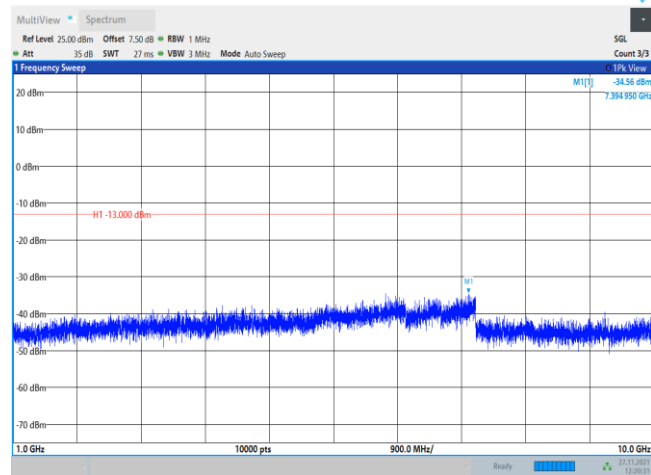
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Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



12:20:24 27.11.2021

Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



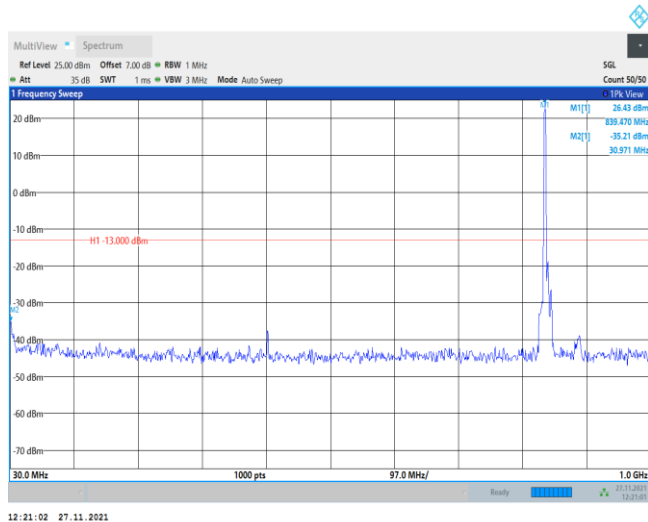
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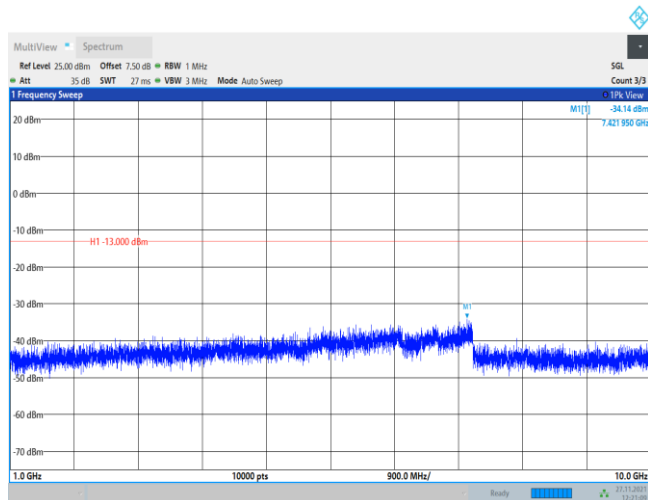
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12:21:02 27.11.2021

Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



12:21:10 27.11.2021



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## Field Strength of Spurious Radiation

Test Band =LTE\_Band\_5 TM1

Test Channel = Low Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1648.0000	61.10	-56.97	-13.00	43.97	125	189	Horizontal
2	2473.7700	65.12	-49.25	-13.00	36.25	236	132	Horizontal
3	3298.0000	57.06	-54.83	-13.00	41.83	255	151	Horizontal
4	4122.9500	60.64	-49.16	-13.00	36.16	364	222	Horizontal
5	4947.5400	50.42	-57.45	-13.00	44.45	289	331	Horizontal
6	5772.1300	50.41	-54.90	-13.00	41.90	110	98	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1648.0000	64.09	-53.98	-13.00	40.98	166	176	Vertical
2	2473.7700	71.48	-42.89	-13.00	29.89	158	172	Vertical
3	3298.0000	58.02	-53.87	-13.00	40.87	332	201	Vertical
4	4122.9500	61.57	-48.23	-13.00	35.23	229	301	Vertical
5	4947.5400	50.79	-57.08	-13.00	44.08	177	28	Vertical
6	5772.1300	50.00	-55.31	-13.00	42.31	230	120	Vertical



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**Test Band =LTE\_Band\_5 TM1**  
**Test Channel = Mid Channel**

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.0000	60.52	-57.51	-13.00	44.51	233	213	Horizontal
2	2496.0000	60.05	-54.09	-13.00	41.09	152	147	Horizontal
3	3328.0000	65.60	-46.35	-13.00	33.35	109	162	Horizontal
4	4160.0000	59.78	-49.85	-13.00	36.85	336	222	Horizontal
5	4992.5400	50.74	-56.95	-13.00	43.95	245	218	Horizontal
6	5824.6300	49.62	-55.43	-13.00	42.43	371	360	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.0000	61.87	-56.16	-13.00	43.16	156	166	Vertical
2	2496.0000	64.72	-49.42	-13.00	36.42	330	176	Vertical
3	3328.0000	65.25	-46.70	-13.00	33.70	269	185	Vertical
4	4160.0000	59.68	-49.95	-13.00	36.95	248	301	Vertical
5	4992.5400	50.39	-57.30	-13.00	44.30	223	228	Vertical
6	5824.6300	50.22	-54.83	-13.00	41.83	268	128	Vertical



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**Test Band =LTE\_Band\_5 TM1**  
**Test Channel = High Channel**

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1678.0000	62.21	-55.79	-13.00	42.79	232	204	Horizontal
2	2518.0000	66.81	-47.32	-13.00	34.32	163	204	Horizontal
3	3358.0000	59.60	-52.41	-13.00	39.41	278	156	Horizontal
4	4197.9500	62.40	-47.06	-13.00	34.06	334	161	Horizontal
5	5037.5400	50.42	-57.09	-13.00	44.09	159	280	Horizontal
6	5877.1300	49.82	-54.90	-13.00	41.90	224	302	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1678.0000	62.50	-55.50	-13.00	42.50	232	109	Vertical
2	2518.0000	74.02	-40.11	-13.00	27.11	265	176	Vertical
3	3358.0000	59.89	-52.12	-13.00	39.12	299	238	Vertical
4	4197.9500	65.06	-44.40	-13.00	31.40	116	296	Vertical
5	5037.5400	51.11	-56.40	-13.00	43.40	220	35	Vertical
6	5877.1300	50.66	-54.06	-13.00	41.06	278	99	Vertical



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-1.52	-0.001834	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-2.48	-0.002992	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-3.77	-0.004548	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-2.11	-0.002522	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	2.11	0.002522	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.92	-0.002295	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-2.91	-0.003448	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	2.17	0.002571	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-2.33	-0.002761	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-2.27	-0.002738	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	1.35	0.001628	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	1.54	0.001858	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	4.07	0.004866	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-3.86	-0.004614	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	1.66	0.001984	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-2.43	-0.002879	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-4.01	-0.004751	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-2.06	-0.002441	±2.5	PASS



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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-2.60	-0.003136	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-2.33	-0.002811	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-2.71	-0.003269	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-3.22	-0.003884	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-2.87	-0.003462	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-2.21	-0.002666	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-3.22	-0.003884	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-3.30	-0.003945	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.82	-0.003371	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-2.51	-0.003001	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-2.86	-0.003419	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-3.72	-0.004447	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.61	-0.001925	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-3.23	-0.003861	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-3.92	-0.004645	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-2.04	-0.002417	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-2.76	-0.003270	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	1.07	0.001268	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	1.52	0.001801	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-2.54	-0.003009	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	1.81	0.002145	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	1.60	0.001930	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	2.61	0.003148	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	0.91	0.001098	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-1.77	-0.002135	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	3.16	0.003812	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-1.89	-0.002280	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	-1.58	-0.001906	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	2.86	0.003419	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-2.33	-0.002785	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-2.61	-0.003120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-2.26	-0.002702	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	1.57	0.001877	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	1.28	0.001530	±2.5	PASS



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Band5	10MHz	16QAM	20525	50RB#0	NV	50	-1.49	-0.001781	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	1.54	0.001825	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-1.84	-0.002180	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-0.98	-0.001161	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	1.52	0.001801	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-2.82	-0.003341	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-2.63	-0.003116	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-1.67	-0.001979	±2.5	PASS

The End



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