

# Appendix B.3

## LTE Band 5



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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	24.68	22.52	38.47	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.77	22.61	38.47	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.63	22.47	38.47	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.66	21.5	38.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.74	22.58	38.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.78	22.62	38.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.73	22.57	38.47	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.76	21.6	38.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.86	22.7	38.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.84	22.68	38.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.82	22.66	38.47	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.82	21.66	38.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.92	21.76	38.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	24.06	21.9	38.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.86	21.7	38.47	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.74	20.58	38.47	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	24.06	21.9	38.47	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	24.01	21.85	38.47	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.89	21.73	38.47	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.84	20.68	38.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	24.06	21.9	38.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	24.14	21.98	38.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	24.08	21.92	38.47	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.96	20.8	38.47	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.89	20.73	38.47	PASS



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Band5	1.4MHz	64QAM	20407	1RB#2	22.86	20.7	38.47	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.79	20.63	38.47	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.65	19.49	38.47	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.89	20.73	38.47	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.97	20.81	38.47	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.88	20.72	38.47	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.71	19.55	38.47	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.97	20.81	38.47	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	23.13	20.97	38.47	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	23.00	20.84	38.47	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.83	19.67	38.47	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.75	22.59	38.47	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.75	22.59	38.47	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.66	22.5	38.47	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.74	21.58	38.47	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.80	22.64	38.47	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.78	22.62	38.47	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.80	22.64	38.47	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.83	21.67	38.47	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.88	22.72	38.47	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.92	22.76	38.47	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.87	22.71	38.47	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.92	21.76	38.47	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.96	21.8	38.47	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.95	21.79	38.47	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.93	21.77	38.47	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.81	20.65	38.47	PASS
Band5	3MHz	16QAM	20525	1RB#0	24.12	21.96	38.47	PASS
Band5	3MHz	16QAM	20525	1RB#8	24.06	21.9	38.47	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.98	21.82	38.47	PASS



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Band5	3MHz	16QAM	20525	15RB#0	22.84	20.68	38.47	PASS
Band5	3MHz	16QAM	20635	1RB#0	24.27	22.11	38.47	PASS
Band5	3MHz	16QAM	20635	1RB#8	24.16	22	38.47	PASS
Band5	3MHz	16QAM	20635	1RB#14	24.18	22.02	38.47	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.96	20.8	38.47	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.95	20.79	38.47	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.94	20.78	38.47	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.87	20.71	38.47	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.74	19.58	38.47	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.95	20.79	38.47	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.89	20.73	38.47	PASS
Band5	3MHz	64QAM	20525	1RB#14	23.02	20.86	38.47	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.84	19.68	38.47	PASS
Band5	3MHz	64QAM	20635	1RB#0	23.08	20.92	38.47	PASS
Band5	3MHz	64QAM	20635	1RB#8	23.08	20.92	38.47	PASS
Band5	3MHz	64QAM	20635	1RB#14	23.02	20.86	38.47	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.93	19.77	38.47	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.72	22.56	38.47	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.73	22.57	38.47	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.65	22.49	38.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.74	21.58	38.47	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.82	22.66	38.47	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.82	22.66	38.47	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.80	22.64	38.47	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.86	21.7	38.47	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.92	22.76	38.47	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.88	22.72	38.47	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.92	22.76	38.47	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.96	21.8	38.47	PASS
Band5	5MHz	16QAM	20425	1RB#0	24.09	21.93	38.47	PASS



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Band5	5MHz	16QAM	20425	1RB#12	23.97	21.81	38.47	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.93	21.77	38.47	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.75	20.59	38.47	PASS
Band5	5MHz	16QAM	20525	1RB#0	24.15	21.99	38.47	PASS
Band5	5MHz	16QAM	20525	1RB#12	24.00	21.84	38.47	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.98	21.82	38.47	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.87	20.71	38.47	PASS
Band5	5MHz	16QAM	20625	1RB#0	24.24	22.08	38.47	PASS
Band5	5MHz	16QAM	20625	1RB#12	24.21	22.05	38.47	PASS
Band5	5MHz	16QAM	20625	1RB#24	24.12	21.96	38.47	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.90	20.74	38.47	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.92	20.76	38.47	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.86	20.7	38.47	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.85	20.69	38.47	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.73	19.57	38.47	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.94	20.78	38.47	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.97	20.81	38.47	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.96	20.8	38.47	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.83	19.67	38.47	PASS
Band5	5MHz	64QAM	20625	1RB#0	23.15	20.99	38.47	PASS
Band5	5MHz	64QAM	20625	1RB#12	23.14	20.98	38.47	PASS
Band5	5MHz	64QAM	20625	1RB#24	23.00	20.84	38.47	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.94	19.78	38.47	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.83	22.67	38.47	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.75	22.59	38.47	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.79	22.63	38.47	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.86	21.7	38.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.86	22.7	38.47	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.84	22.68	38.47	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.75	22.59	38.47	PASS



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Band5	10MHz	QPSK	20525	50RB#0	23.88	21.72	38.47	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.80	22.64	38.47	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.98	22.82	38.47	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.89	22.73	38.47	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.83	21.67	38.47	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.97	21.81	38.47	PASS
Band5	10MHz	16QAM	20450	1RB#24	24.04	21.88	38.47	PASS
Band5	10MHz	16QAM	20450	1RB#49	24.01	21.85	38.47	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.88	20.72	38.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	24.01	21.85	38.47	PASS
Band5	10MHz	16QAM	20525	1RB#24	24.17	22.01	38.47	PASS
Band5	10MHz	16QAM	20525	1RB#49	24.05	21.89	38.47	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.85	20.69	38.47	PASS
Band5	10MHz	16QAM	20600	1RB#0	24.14	21.98	38.47	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.22	22.06	38.47	PASS
Band5	10MHz	16QAM	20600	1RB#49	24.20	22.04	38.47	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.87	20.71	38.47	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.94	20.78	38.47	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.96	20.8	38.47	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.87	20.71	38.47	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.90	19.74	38.47	PASS
Band5	10MHz	64QAM	20525	1RB#0	23.03	20.87	38.47	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.93	20.77	38.47	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.93	20.77	38.47	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.86	19.7	38.47	PASS
Band5	10MHz	64QAM	20600	1RB#0	23.02	20.86	38.47	PASS
Band5	10MHz	64QAM	20600	1RB#24	23.09	20.93	38.47	PASS
Band5	10MHz	64QAM	20600	1RB#49	23.02	20.86	38.47	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.81	19.65	38.47	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	5.70	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.40	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.40	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.58	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.60	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.62	13	PASS



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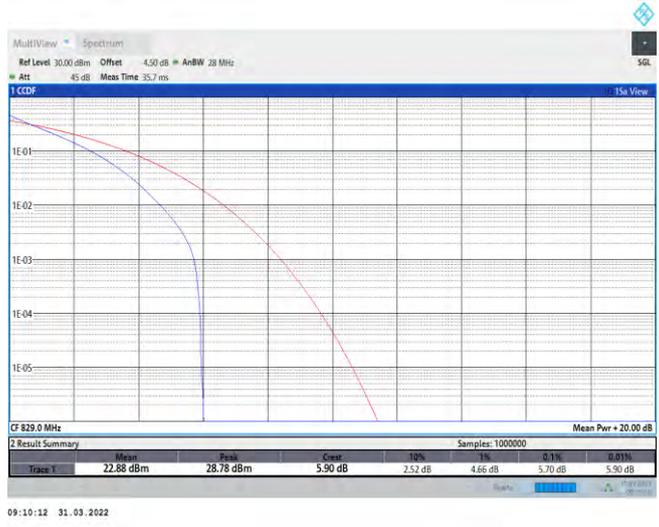
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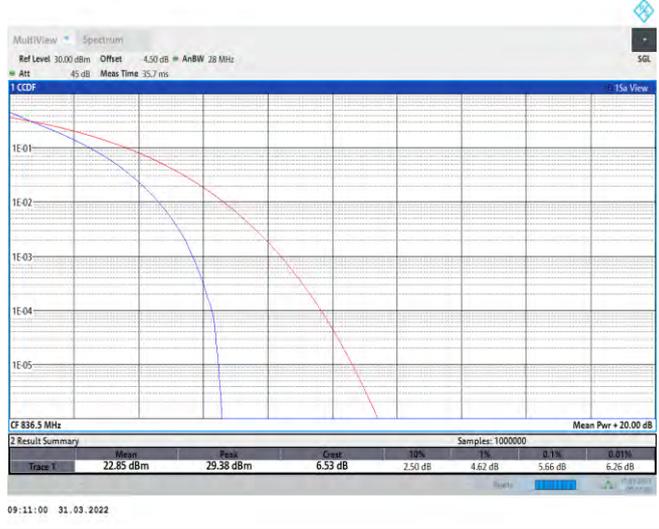
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Test Graphs

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



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

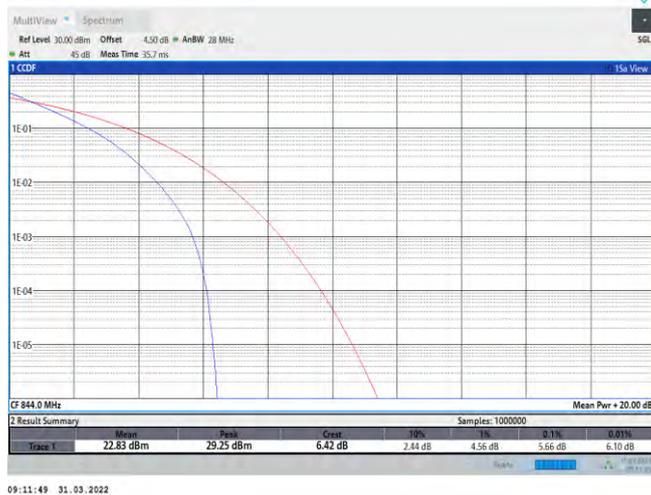


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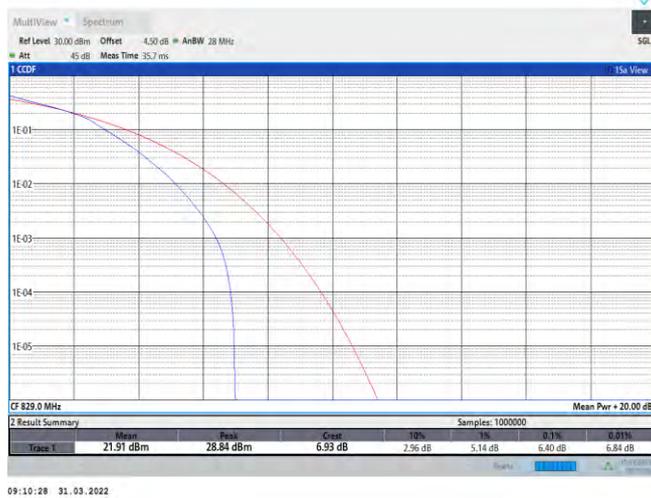
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Band5-10MHz-QPSK-20600-50RB#0



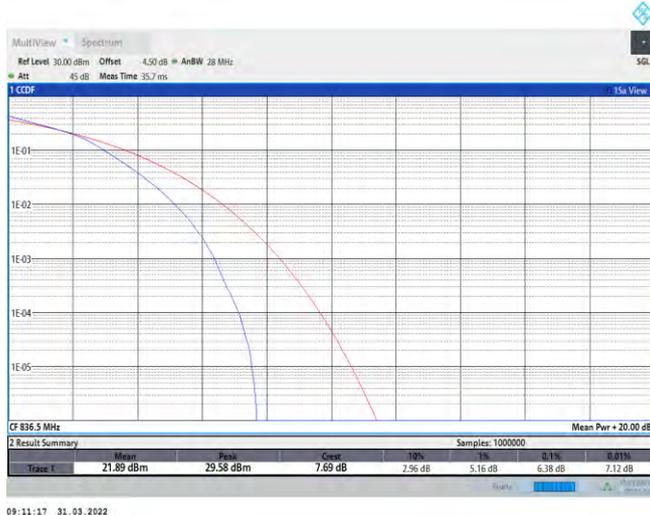
Band5-10MHz-16QAM-20450-50RB#0



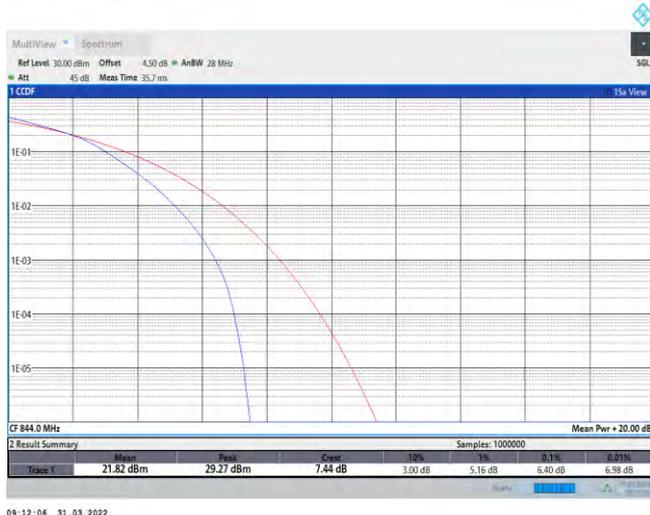
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Band5-10MHz-16QAM-20525-50RB#0



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

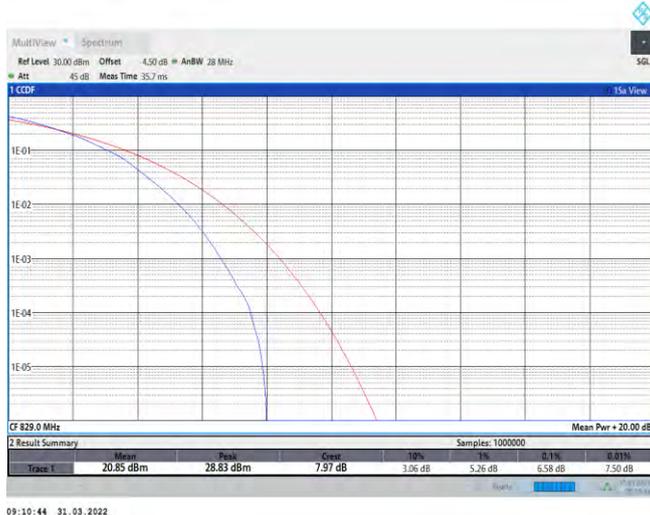


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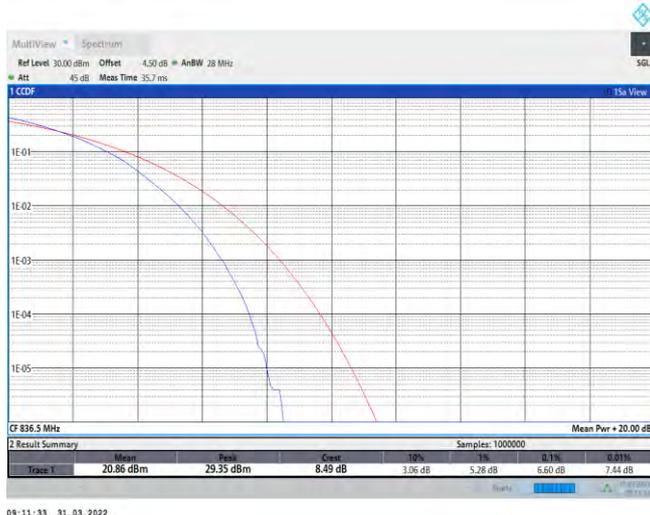
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Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-50RB#0



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Band5-10MHz-64QAM-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
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS



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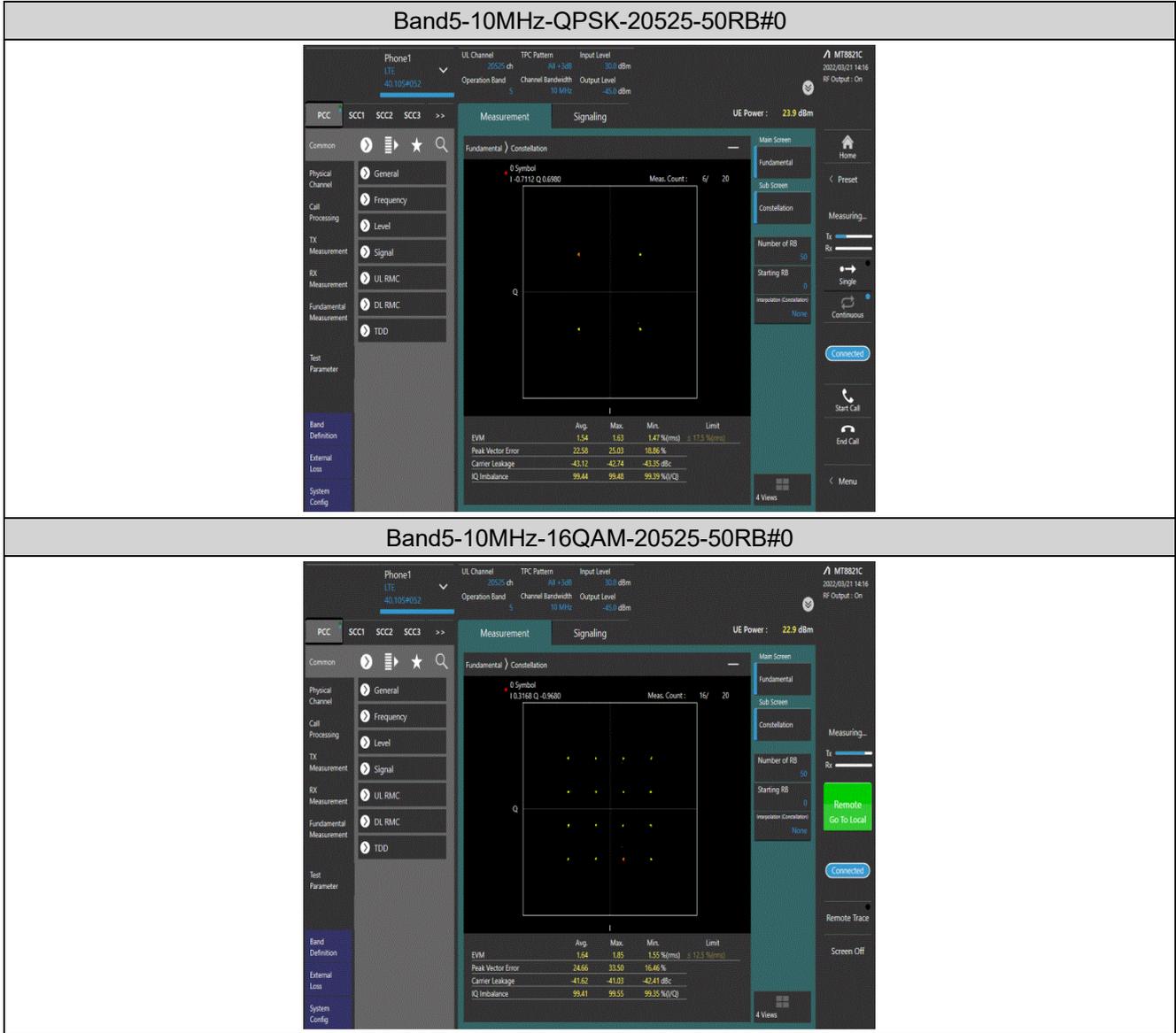
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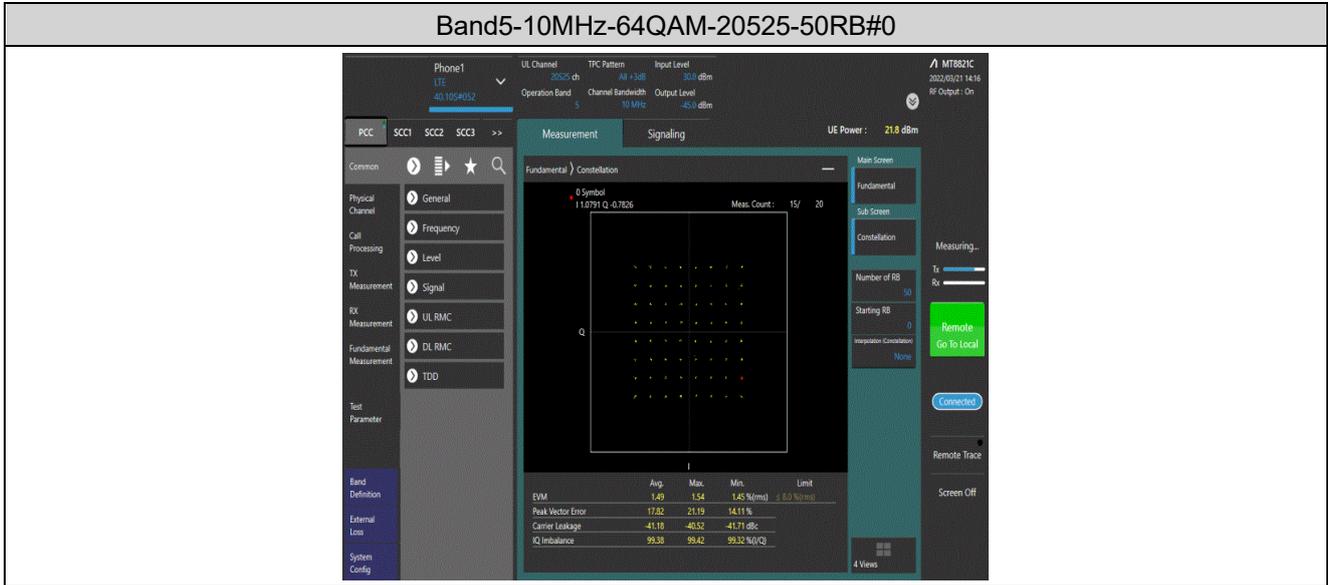
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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.085	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.091	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	2.96	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.692	2.99	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.695	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.689	2.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.687	2.98	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.689	2.98	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.692	2.98	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.689	2.98	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.692	2.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.473	4.89	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.469	4.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.472	4.90	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.471	4.90	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.464	4.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.47	4.90	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.481	4.90	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.481	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.484	4.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.945	9.66	PASS



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Report No.: SEWA2203000005RG01

Rev.: 02

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Band5	10MHz	QPSK	20525	50RB#0	8.924	9.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.928	9.62	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.93	9.62	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.913	9.64	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.909	9.64	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.939	9.66	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.923	9.68	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.937	9.66	PASS



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Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

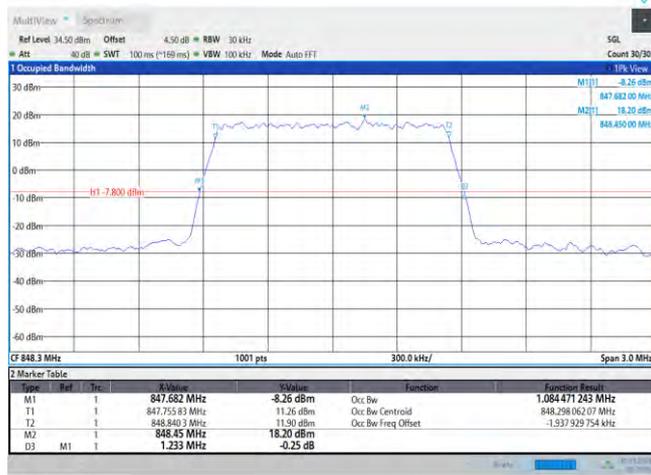


Band5-1.4MHz-QPSK-20525-6RB#0



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



08:38:03 31.03.2022

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



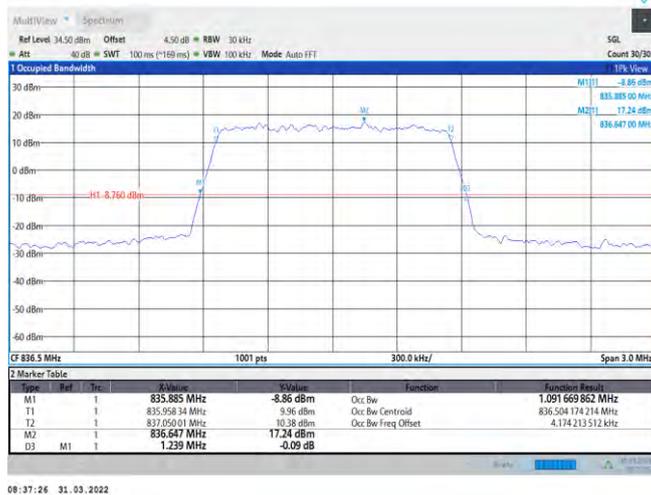
08:36:32 31.03.2022



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



08:37:26 31.03.2022

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



08:38:21 31.03.2022

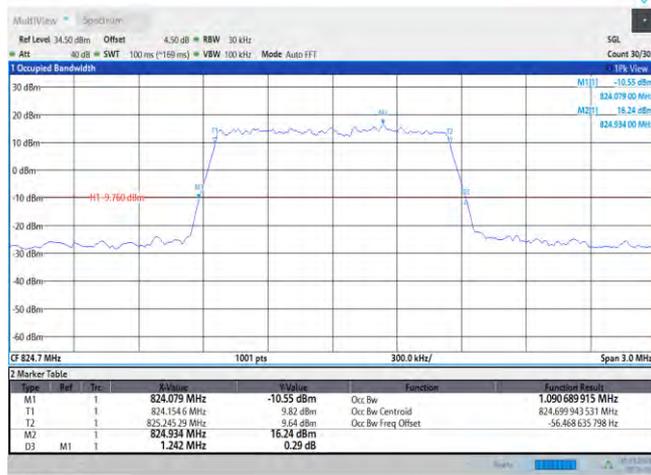


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Band5-1.4MHz-64QAM-20407-6RB#0



08:36:50 31.03.2022

Band5-1.4MHz-64QAM-20525-6RB#0



08:37:44 31.03.2022



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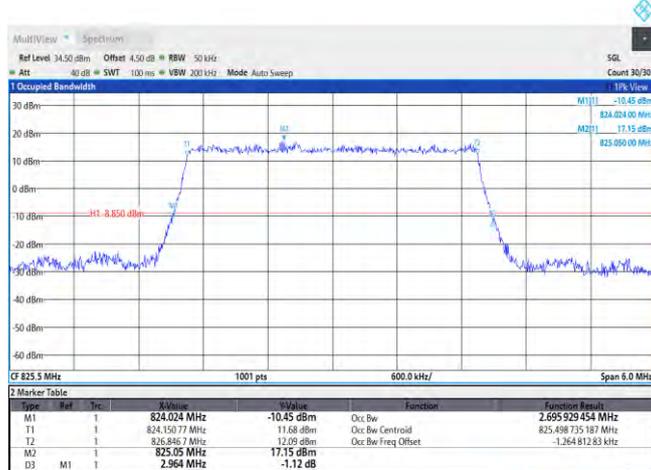
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Band5-1.4MHz-64QAM-20643-6RB#0



08:38:39 31.03.2022

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



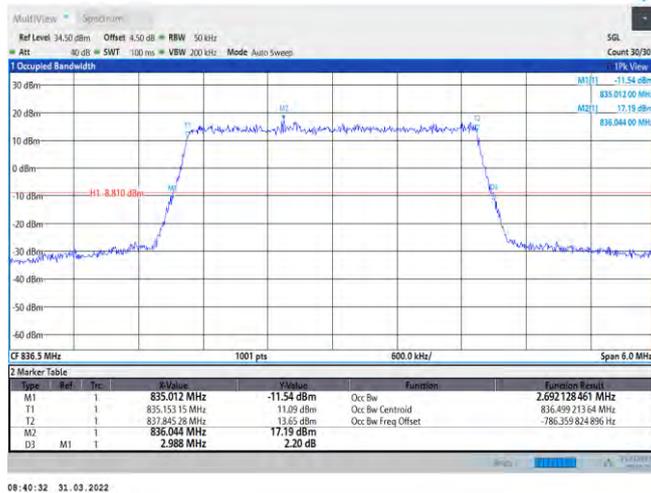
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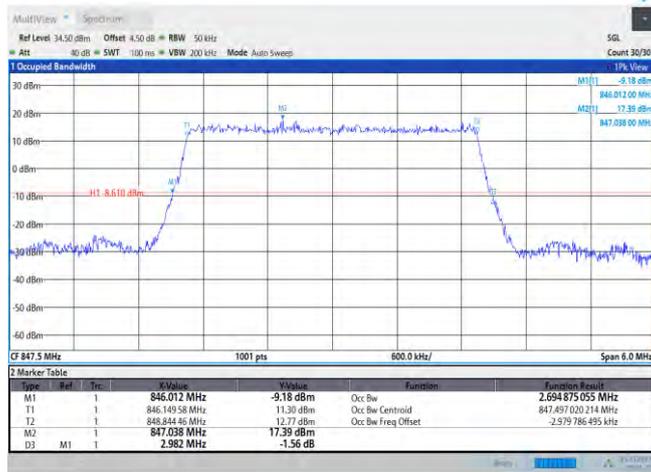
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Band5-3MHz-QPSK-20525-15RB#0



08:40:32 31.03.2022

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



08:41:27 31.03.2022

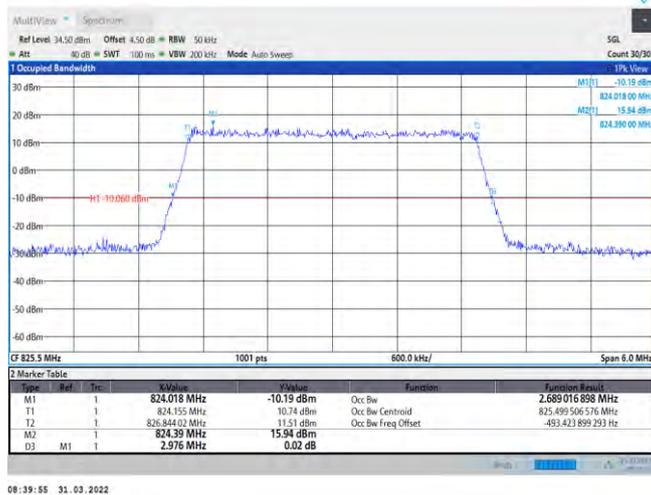


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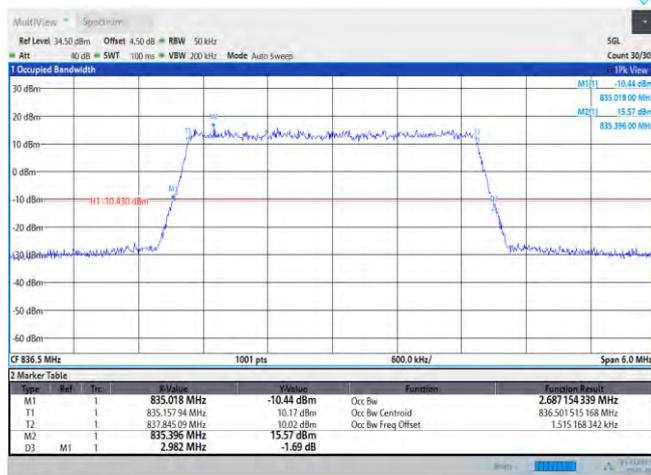
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Band5-3MHz-16QAM-20415-15RB#0



08:39:55 31.03.2022

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



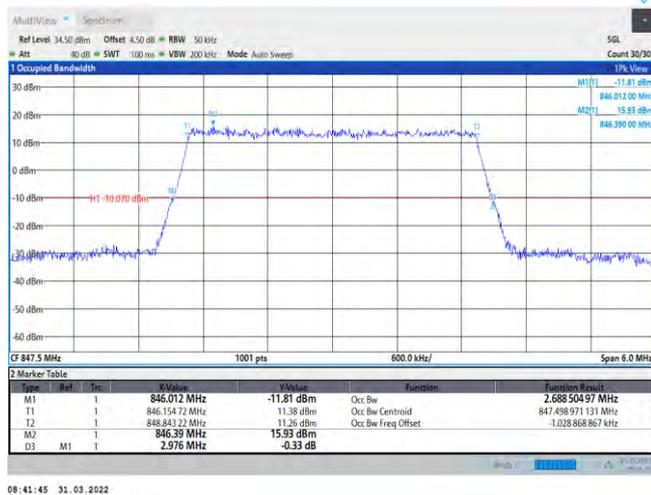
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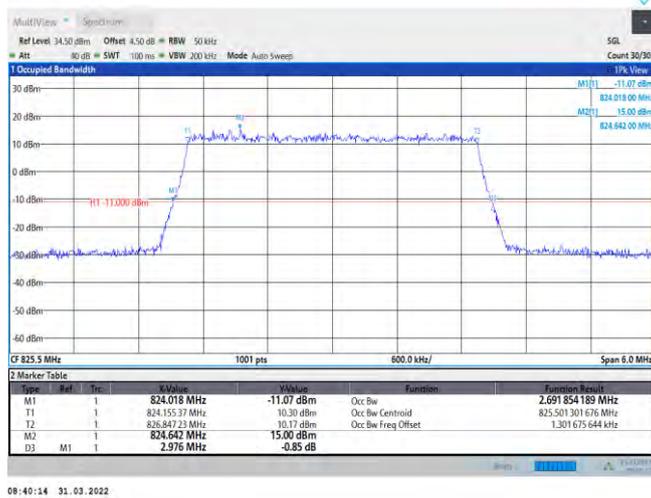
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Band5-3MHz-16QAM-20635-15RB#0



Band5-3MHz-64QAM-20415-15RB#0

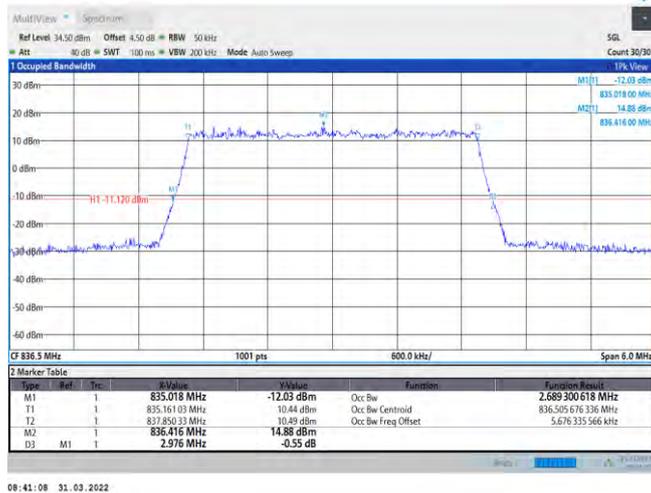


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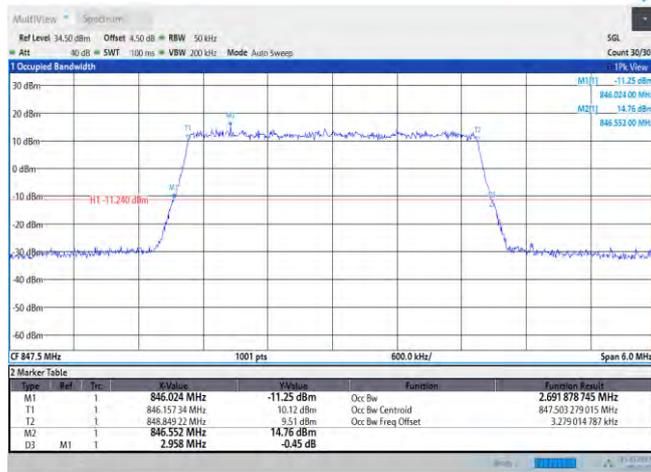
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Band5-3MHz-64QAM-20525-15RB#0



08:41:08 31.03.2022

Band5-3MHz-64QAM-20635-15RB#0



08:42:03 31.03.2022

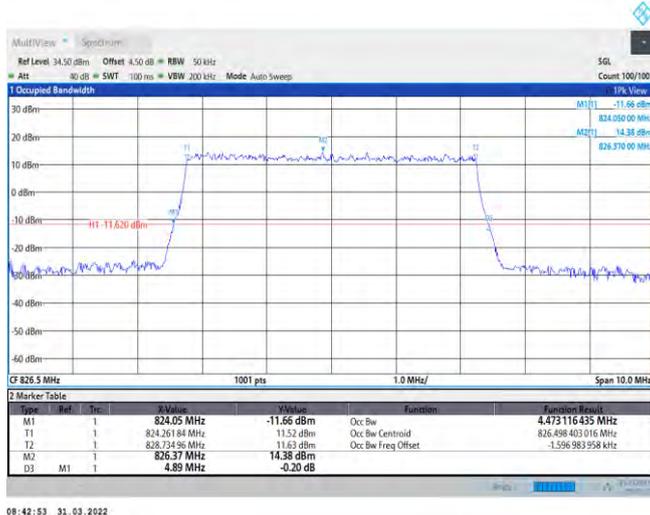


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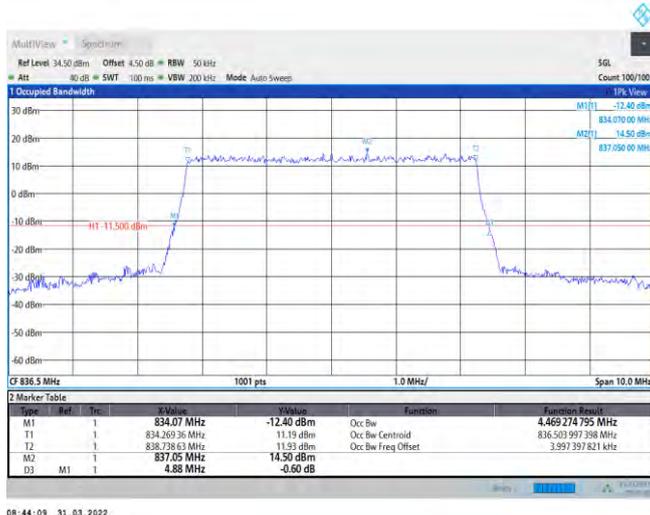
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08:42:53 31.03.2022

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



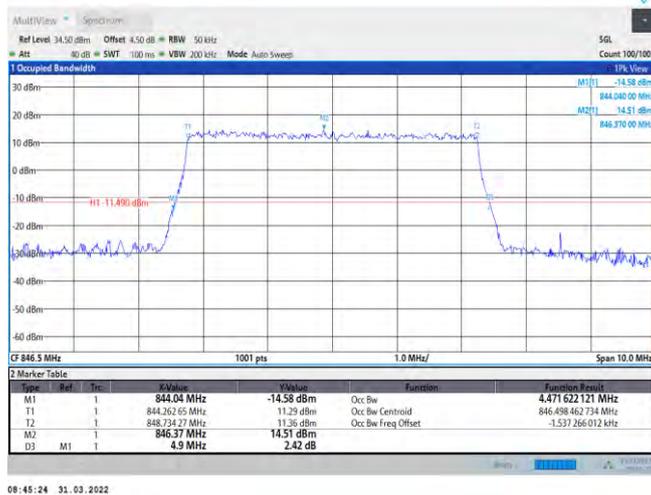
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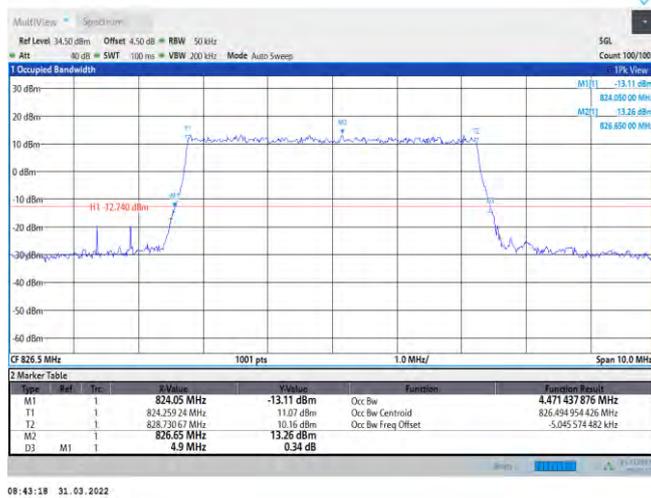
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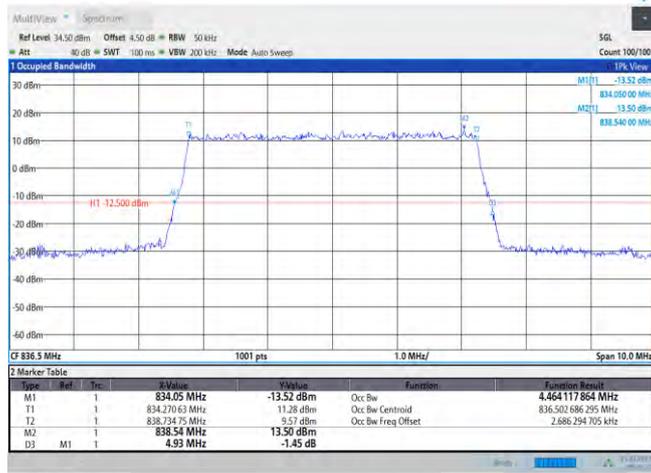


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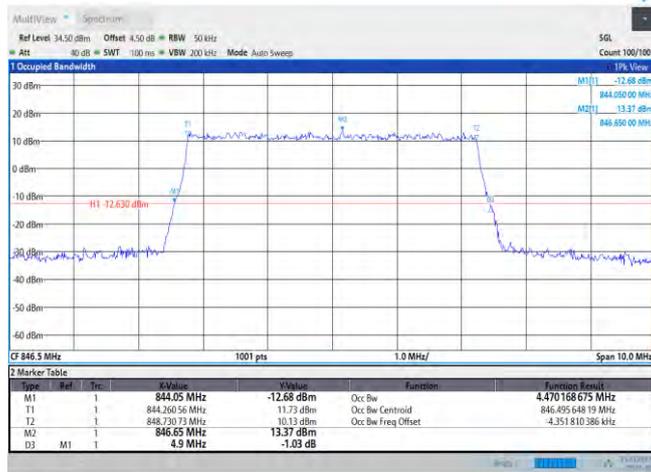
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Band5-5MHz-16QAM-20525-25RB#0



08:44:34 31.03.2022

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

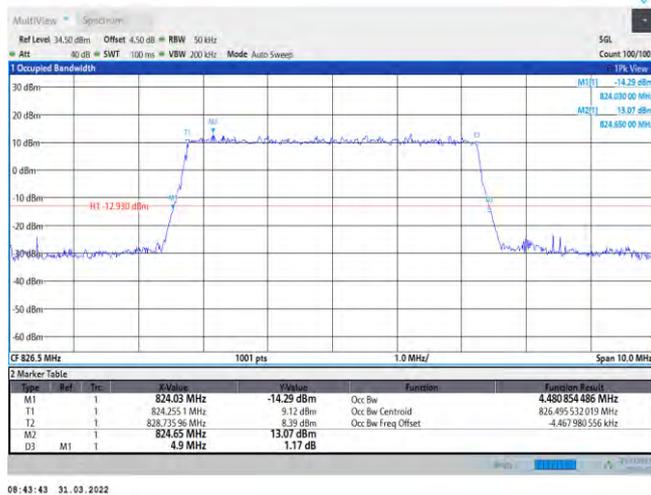


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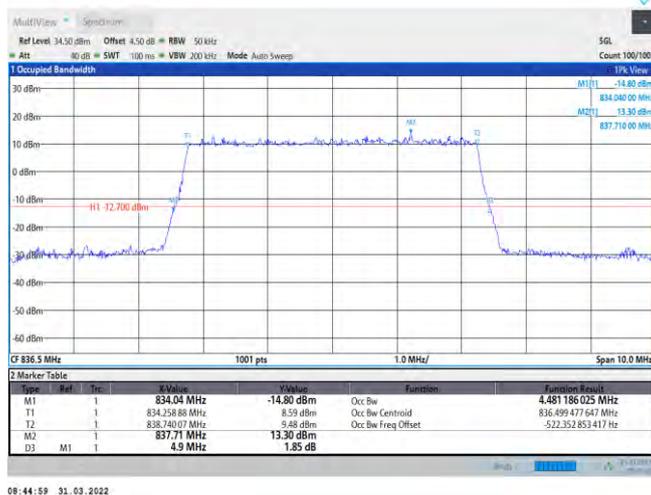
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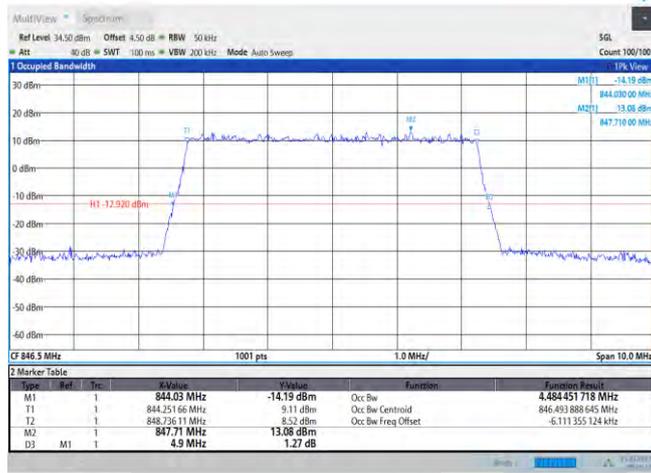


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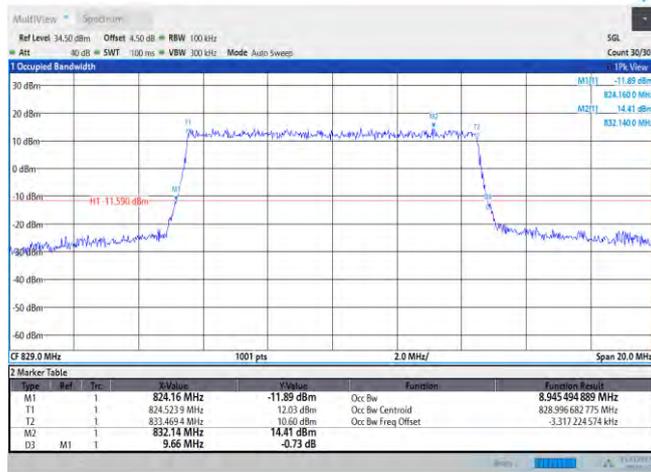
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08:46:15 31.03.2022

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



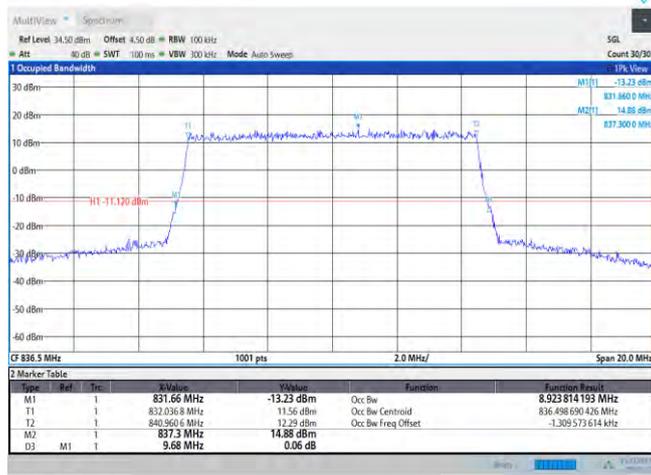
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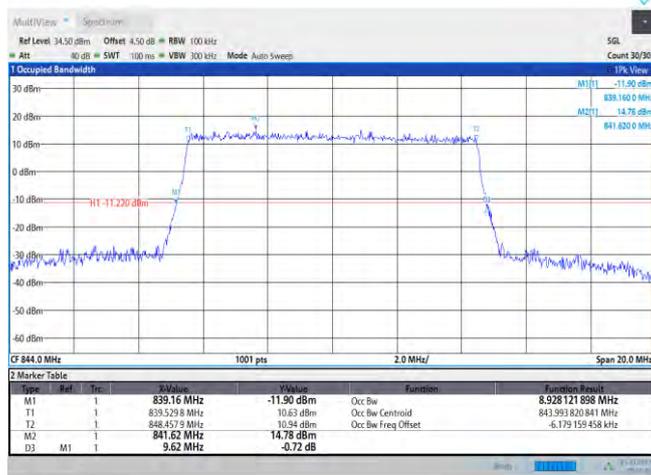
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Band5-10MHz-QPSK-20525-50RB#0



08:47:52 31.03.2022

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



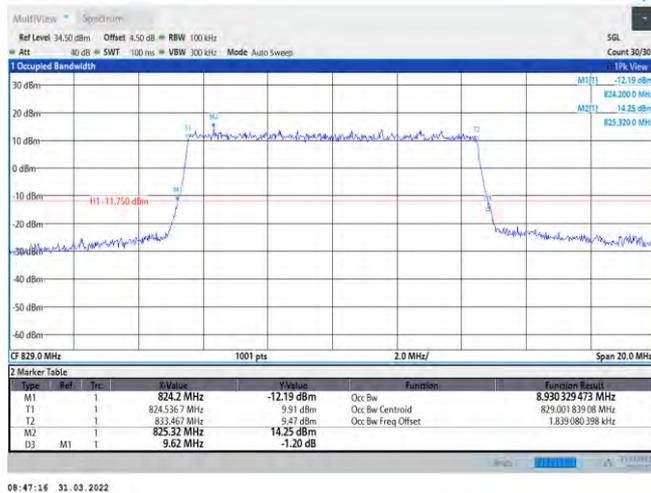
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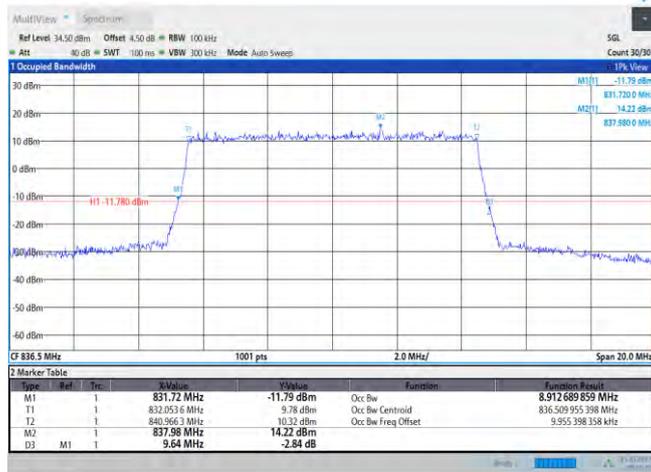
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Band5-10MHz-16QAM-20450-50RB#0



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



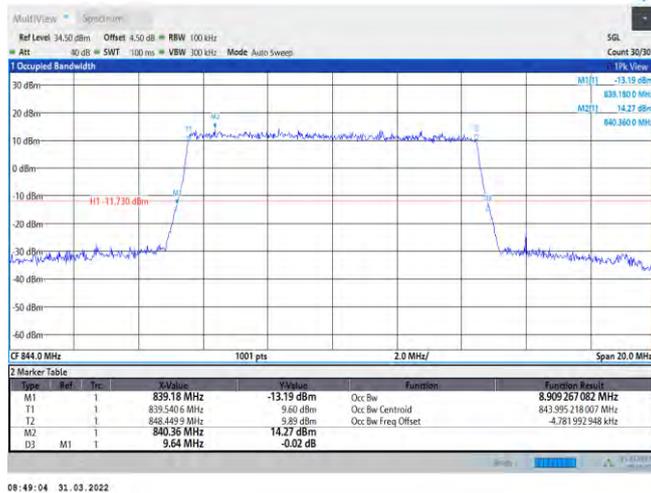
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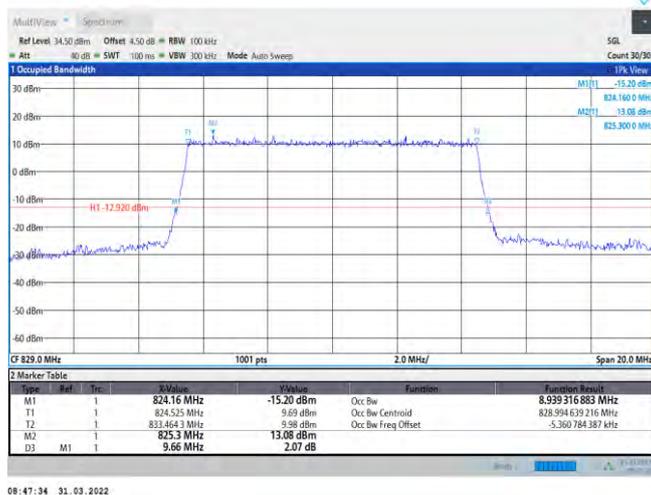
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Band5-10MHz-16QAM-20600-50RB#0



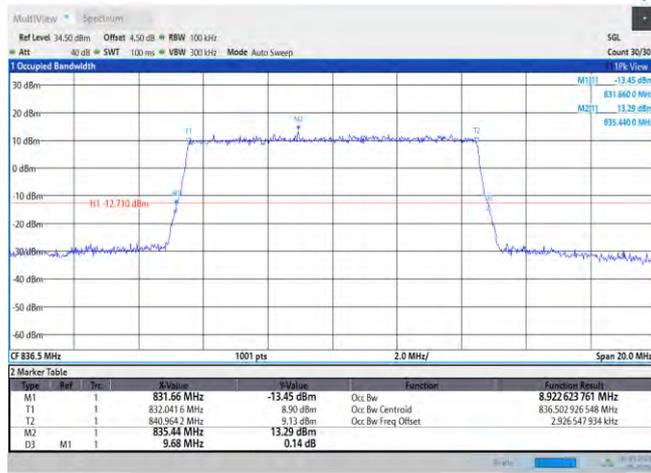
Band5-10MHz-64QAM-20450-50RB#0



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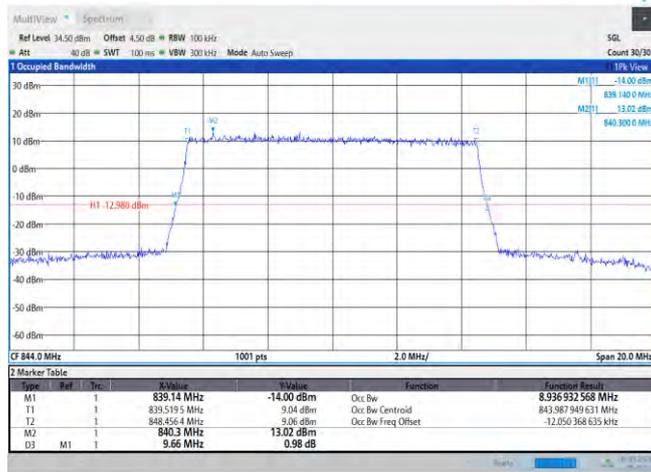
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Band5-10MHz-64QAM-20525-50RB#0



08:48:28 31.03.2022

Band5-10MHz-64QAM-20600-50RB#0



08:49:23 31.03.2022

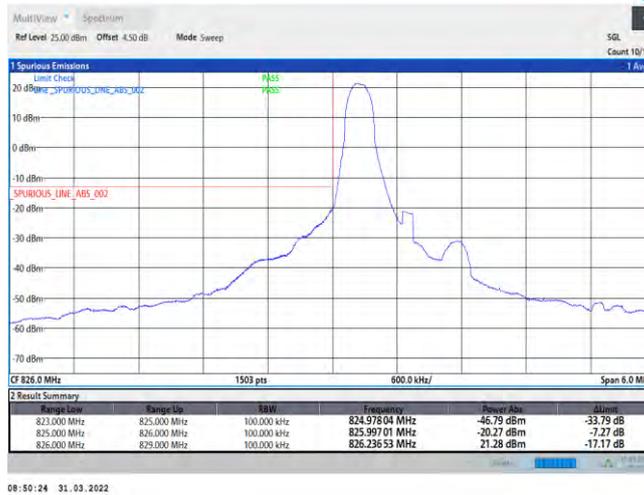


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## Band Edge

## Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



08:50:24 31. 03. 2022

Band5-1.4MHz-QPSK-20427-6RB#0



08:51:07 31. 03. 2022

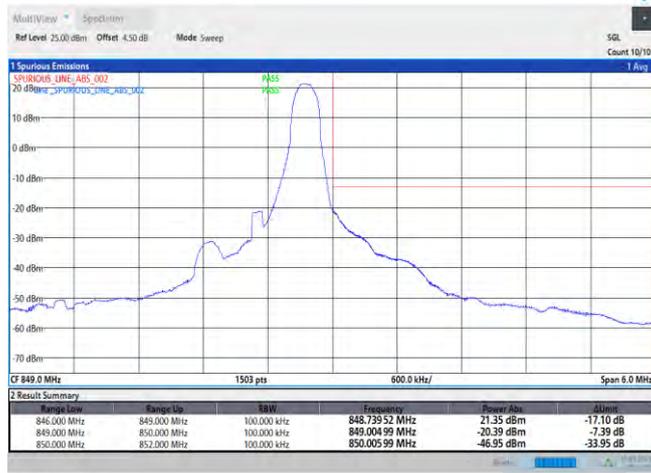


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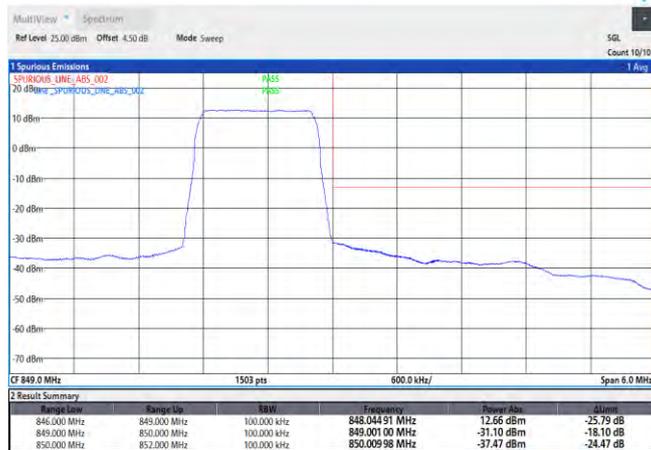
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Band5-1.4MHz-QPSK-20643-1RB#5



08:52:06 31.03.2022

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



08:52:49 31.03.2022

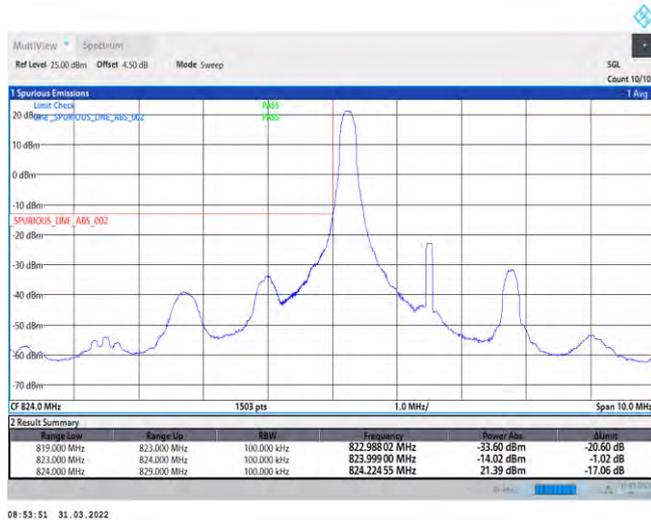


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Band5-3MHz-QPSK-20415-1RB#0



08:53:51 31.03.2022

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



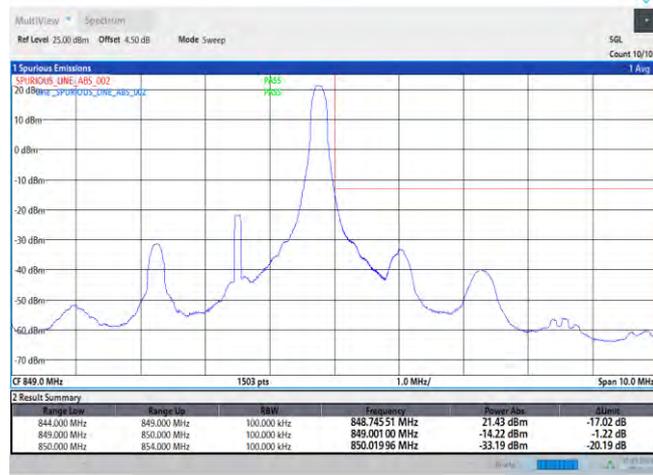
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Band5-3MHz-QPSK-20635-1RB#14



08:55:37 31.03.2022

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



08:56:21 31.03.2022

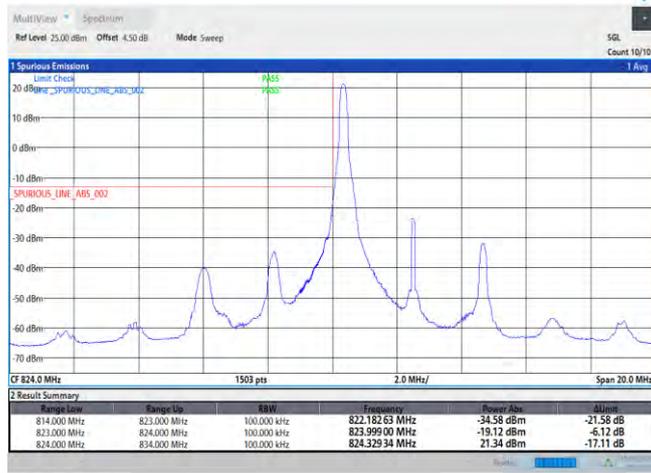


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Band5-5MHz-QPSK-20425-1RB#0



08:57:22 31.03.2022

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



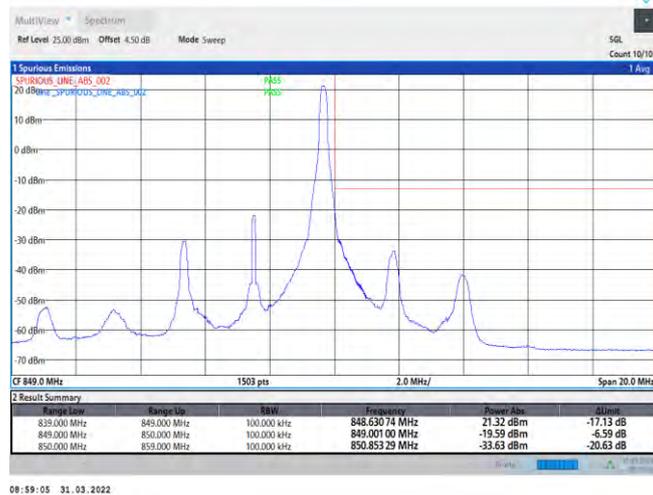
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Band5-5MHz-QPSK-20625-1RB#24



08:59:05 31.03.2022

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



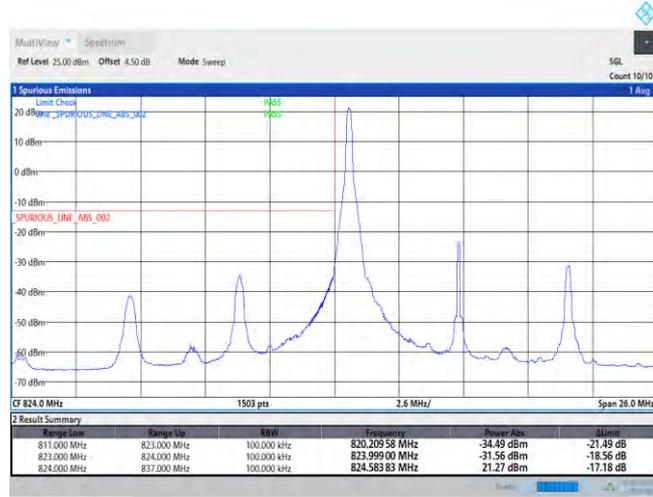
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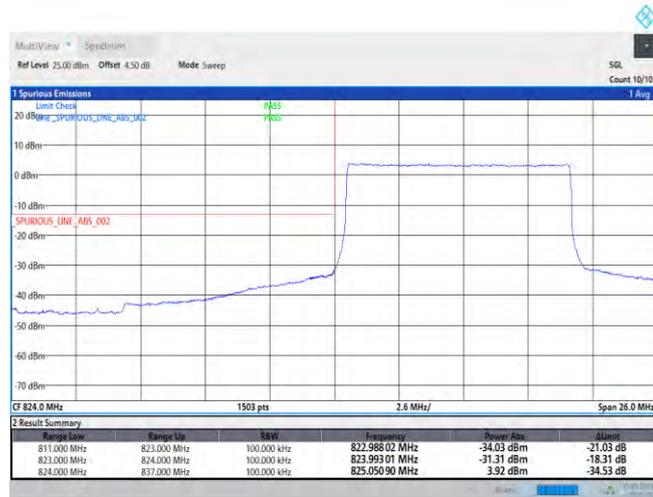
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Band5-10MHz-QPSK-20450-1RB#0



09:00:47 31.03.2022

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



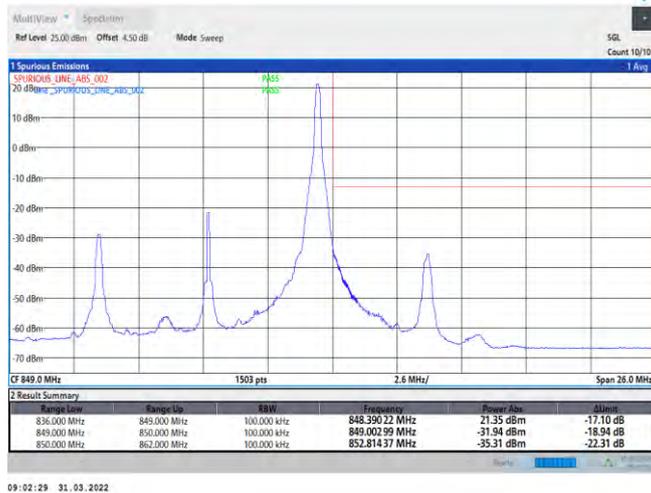
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Band5-10MHz-QPSK-20600-1RB#49



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



09:03:12 31.03.2022



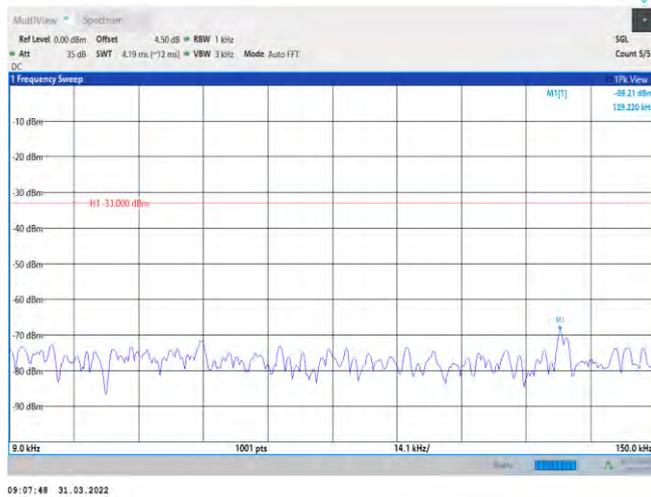
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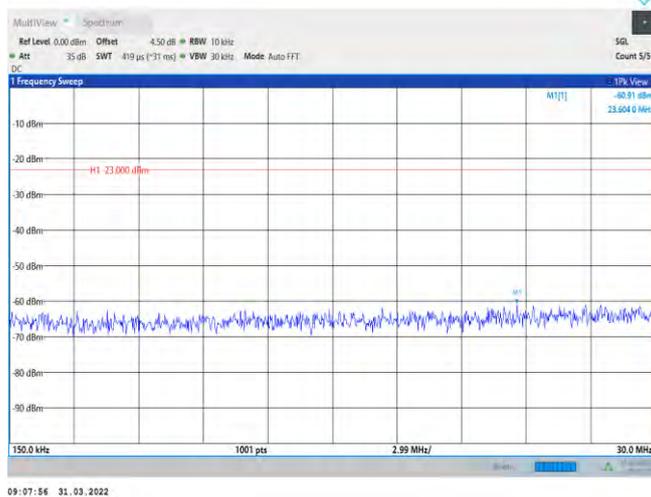
## Conducted Spurious Emission

### Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

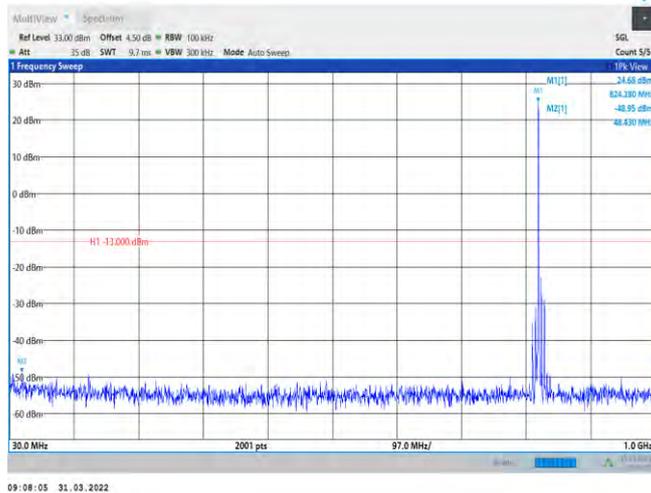


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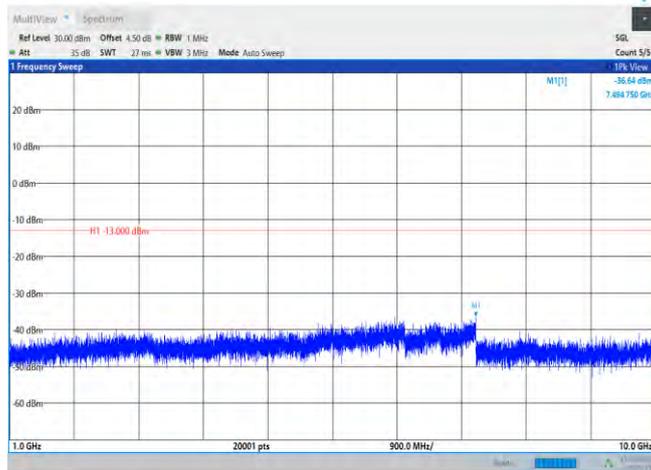
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



09:08:05 31.03.2022

Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



09:08:13 31.03.2022

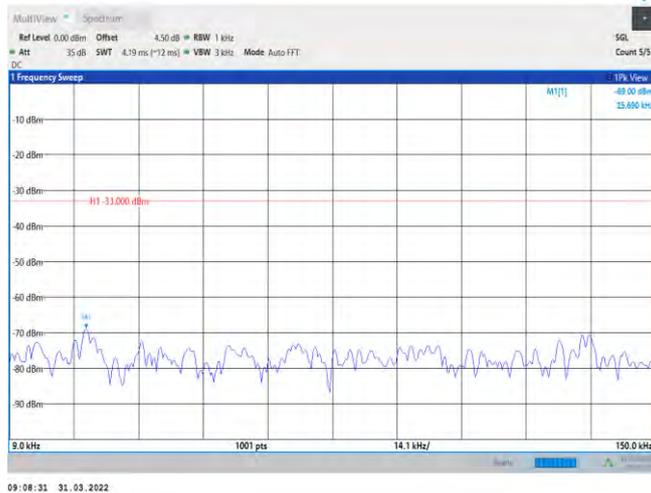


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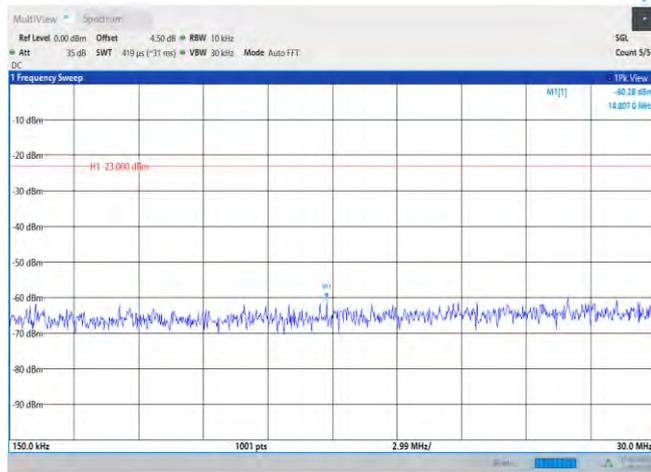
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



09:08:31 31.03.2022

Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



09:08:40 31.03.2022

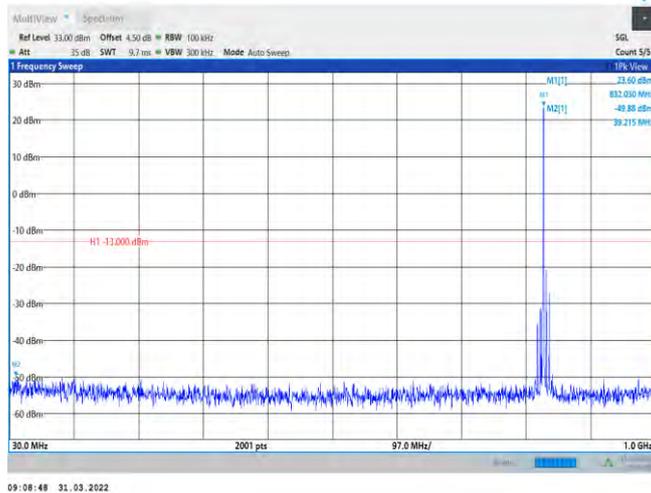


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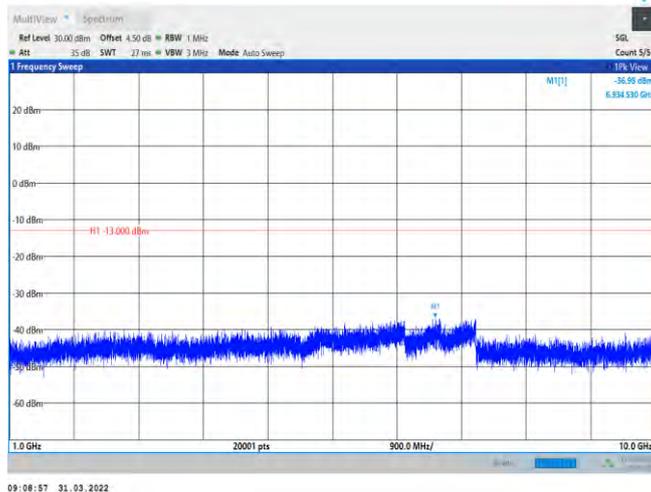
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

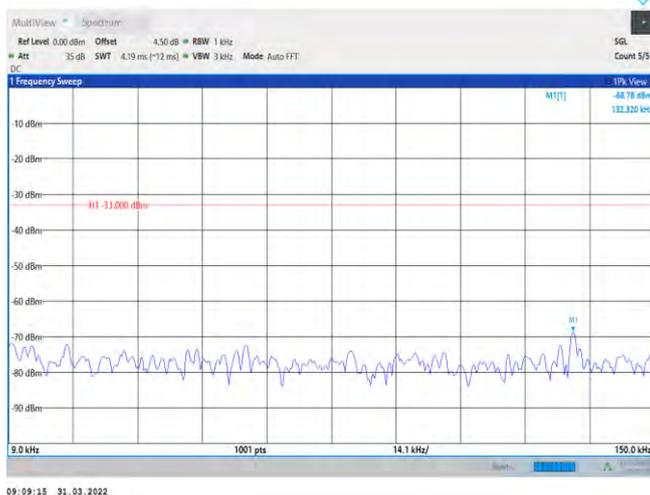


Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



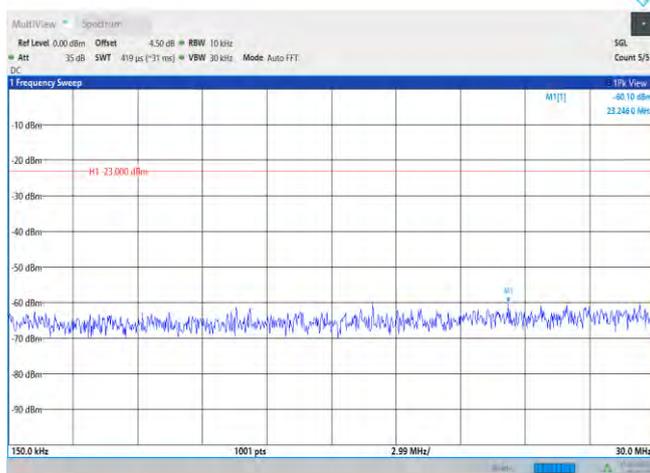
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



09:09:15 31.03.2022

Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



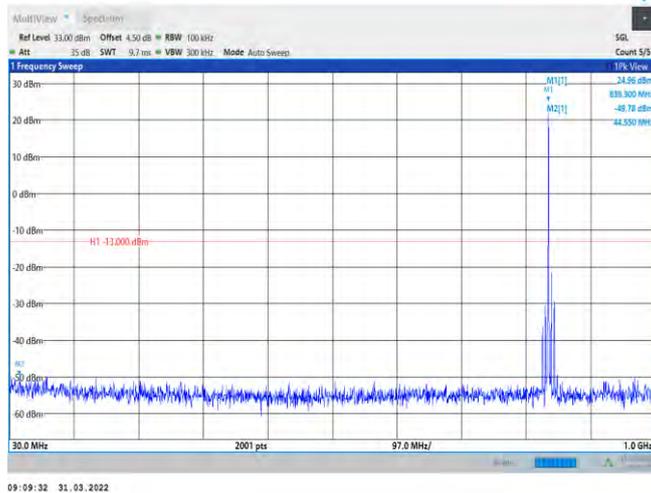
09:09:23 31.03.2022



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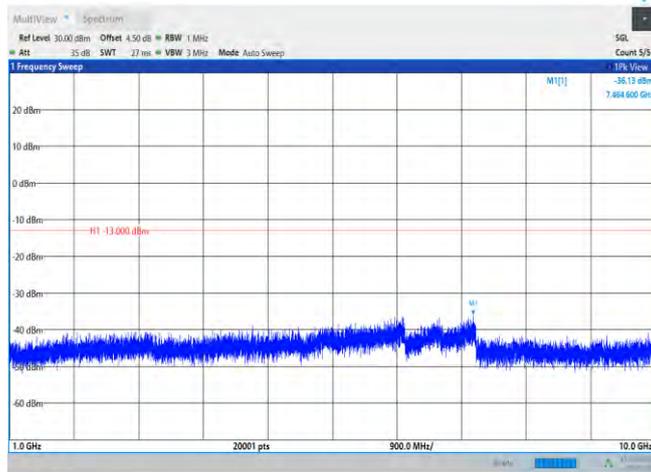
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



09:09:32 31.03.2022

Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



09:09:40 31.03.2022



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## Field Strength of Spurious Radiation

Test Band = \_Band5 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	52.60	-118.11	-65.51	-13.00	52.51	145	83	Horizontal
2	2473.7700	51.72	-114.89	-63.17	-13.00	50.17	236	323	Horizontal
3	3307.4286	55.77	-112.38	-56.61	-13.00	43.61	162	273	Horizontal
4	4134.2857	54.78	-110.18	-55.40	-13.00	42.40	184	83	Horizontal
5	4947.5400	49.93	-108.22	-58.29	-13.00	45.29	179	12	Horizontal
6	5772.1300	49.24	-106.25	-57.01	-13.00	44.01	211	310	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	51.65	-118.11	-66.46	-13.00	53.46	169	12	Vertical
2	2473.7700	51.95	-114.89	-62.94	-13.00	49.94	145	3	Vertical
3	3306.8571	59.88	-112.38	-52.50	-13.00	39.50	182	358	Vertical
4	4134.2857	58.09	-110.18	-52.09	-13.00	39.09	134	302	Vertical
5	4947.5400	50.23	-108.22	-57.99	-13.00	44.99	170	358	Vertical
6	5772.1300	50.38	-106.25	-55.87	-13.00	42.87	233	12	Vertical



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Test Band = \_Band5 TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	52.91	-118.09	-65.18	-13.00	52.18	125	2	Horizontal
2	2496.2700	52.90	-114.78	-61.88	-13.00	48.88	145	158	Horizontal
3	3337.1429	55.84	-112.38	-56.54	-13.00	43.54	196	56	Horizontal
4	4172	55.43	-110.15	-54.72	-13.00	41.72	235	68	Horizontal
5	4992.5400	49.60	-108.19	-58.59	-13.00	45.59	170	298	Horizontal
6	5824.6300	49.27	-106.20	-56.93	-13.00	43.93	200	106	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	52.82	-118.09	-65.27	-13.00	52.27	184	215	Vertical
2	2496.2700	52.30	-114.78	-62.48	-13.00	49.48	178	342	Vertical
3	3337.7143	59.47	-112.38	-52.91	-13.00	39.91	196	360	Vertical
4	4171.4286	60.25	-110.15	-49.90	-13.00	36.90	145	164	Vertical
5	4992.5400	49.75	-108.19	-58.44	-13.00	45.44	230	100	Vertical
6	5824.6300	48.83	-106.20	-57.37	-13.00	44.37	136	359	Vertical



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Test Band = \_Band5 TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1684	56.60	-118.06	-61.46	-13.00	48.46	223	29	Horizontal
2	2518.7700	52.96	-114.63	-61.67	-13.00	48.67	145	258	Horizontal
3	3366.8571	54.80	-112.37	-57.57	-13.00	44.57	233	232	Horizontal
4	4209.7143	53.71	-110.08	-56.37	-13.00	43.37	265	103	Horizontal
5	5037.5400	48.98	-108.01	-59.03	-13.00	46.03	184	297	Horizontal
6	5887.1300	49.43	-106.27	-56.84	-13.00	43.84	172	309	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1683.4286	58.29	-118.06	-59.77	-13.00	46.77	115	12	Vertical
2	2518.7700	51.72	-114.63	-62.91	-13.00	49.91	136	354	Vertical
3	3367.4286	59.27	-112.37	-53.10	-13.00	40.10	254	341	Vertical
4	4209.1429	56.69	-110.08	-53.39	-13.00	40.39	184	102	Vertical
5	5037.5400	50.00	-108.01	-58.01	-13.00	45.01	296	4	Vertical
6	5887.1300	49.73	-106.27	-56.54	-13.00	43.54	201	255	Vertical



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## Frequency Stability

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-4.80	-0.005738	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.70	-0.002032	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-6.60	-0.007890	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.20	-0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-5.50	-0.006575	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-7.90	-0.009444	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-3.40	-0.004065	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-2.20	-0.002630	±2.5	PASS

The End



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