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Appendix B.4

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	22.95	19.5	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23	19.55	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.92	19.47	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.07	18.62	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.94	19.49	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.06	19.61	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.86	19.41	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.93	18.48	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.68	19.23	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.93	19.48	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.8	19.35	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.99	18.54	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.45	19	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.54	19.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.33	18.88	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.05	17.6	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.17	18.72	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.2	18.75	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.22	18.77	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.04	17.59	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.28	18.83	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.1	18.65	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.12	18.67	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.98	17.53	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.27	18.82	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.06	18.61	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.02	18.57	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	21.09	17.64	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.18	18.73	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.09	18.64	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.07	18.62	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.96	17.51	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.15	18.7	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.22	18.77	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.97	18.52	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.93	17.48	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.09	19.64	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.04	19.59	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.03	19.58	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.13	18.68	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.92	19.47	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.09	19.64	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.97	19.52	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.01	18.56	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.95	19.5	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.05	19.6	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.03	19.58	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.06	18.61	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.33	18.88	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.58	19.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.13	18.68	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.08	17.63	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.32	18.87	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.54	19.09	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.32	18.87	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.03	17.58	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.2	18.75	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.56	19.11	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.13	18.68	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	21.04	17.59	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.29	17.84	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.21	17.76	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.87	17.42	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.02	16.57	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.04	17.59	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.31	17.86	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.15	17.7	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.01	16.56	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.22	17.77	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.18	17.73	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.66	17.21	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.98	16.53	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.07	19.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.92	19.47	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.01	19.56	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.05	18.6	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.08	19.63	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.95	19.5	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.06	19.61	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.03	18.58	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.97	19.52	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.01	19.56	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.97	19.52	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.93	18.48	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.34	18.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.01	18.56	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.51	19.06	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.09	17.64	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.26	18.81	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.03	18.58	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.27	18.82	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	21.03	17.58	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.24	18.79	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.97	18.52	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.24	18.79	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.91	17.46	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.25	17.8	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.94	17.49	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.88	17.43	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.01	16.56	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.31	17.86	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.16	17.71	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.22	17.77	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.1	16.65	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.63	17.18	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.14	17.69	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.65	17.2	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.93	16.48	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.01	19.56	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.94	19.49	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.98	19.53	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.22	18.77	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.13	19.68	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.92	19.47	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.94	19.49	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.16	18.71	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.95	19.5	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.97	19.52	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.86	19.41	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.06	18.61	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.37	18.92	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.21	18.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.36	18.91	38.45	PASS



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Band5	10MHz	16QAM	20450	50RB#0	21.15	17.7	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.32	18.87	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.18	18.73	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.33	18.88	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.05	17.6	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.37	18.92	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.32	18.87	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.43	18.98	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.14	17.69	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.2	17.75	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.9	17.45	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.16	17.71	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.14	16.69	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.16	17.71	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.16	17.71	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.17	17.72	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.12	16.67	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.14	17.69	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	20.54	17.09	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.81	17.36	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.17	16.72	38.45	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

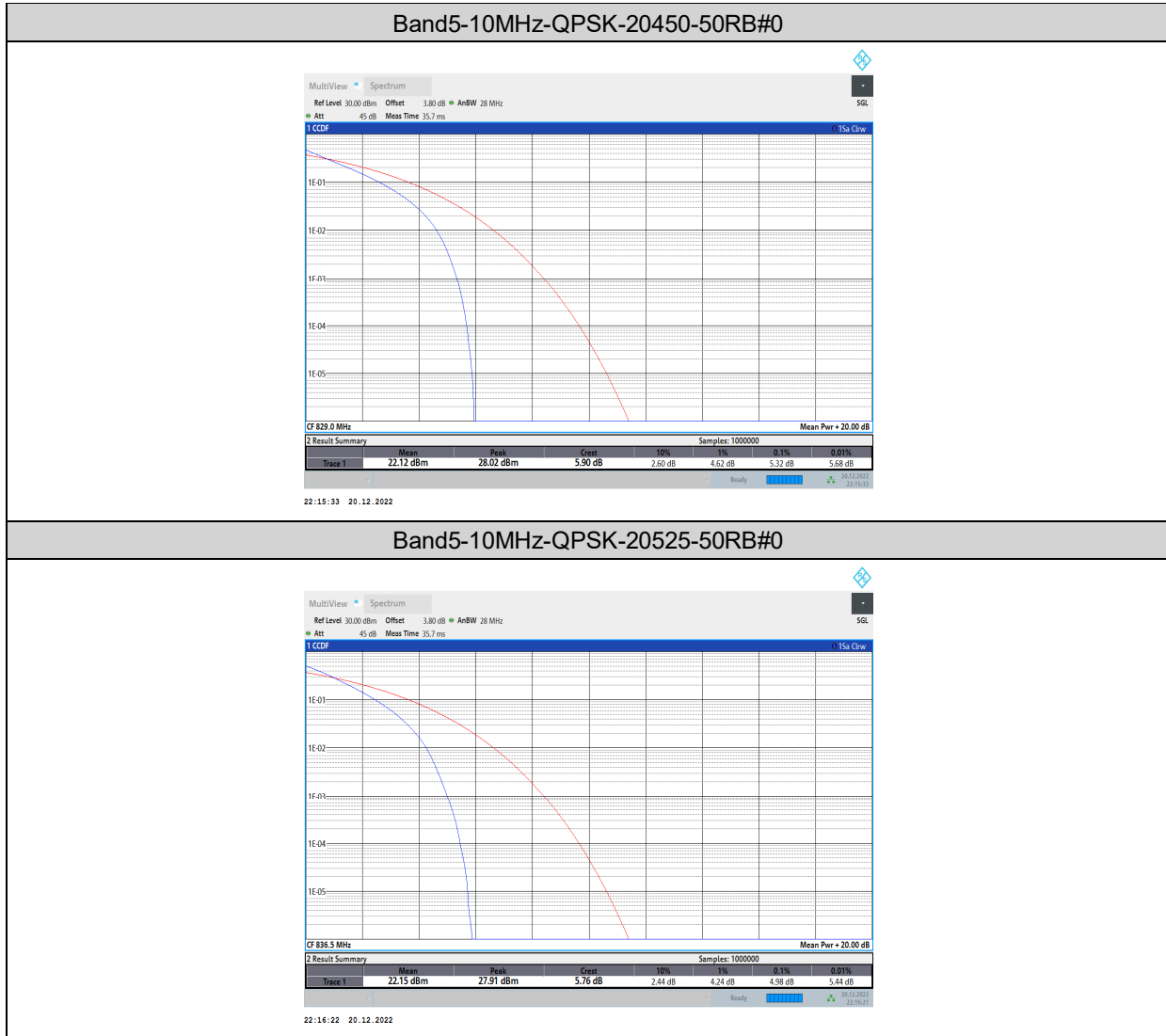
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.32	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.98	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.22	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.04	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.74	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.40	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.54	13	PASS



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Test Graphs

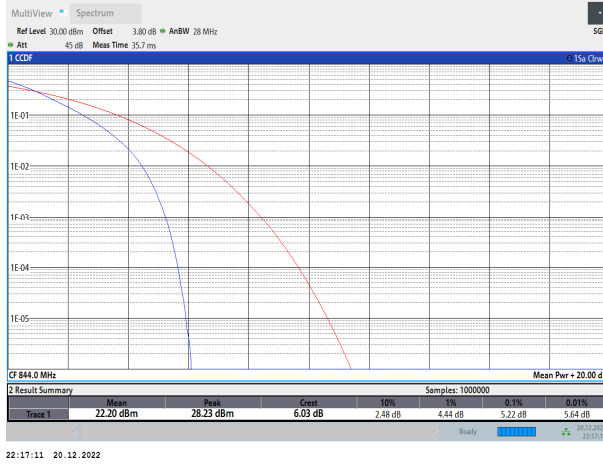


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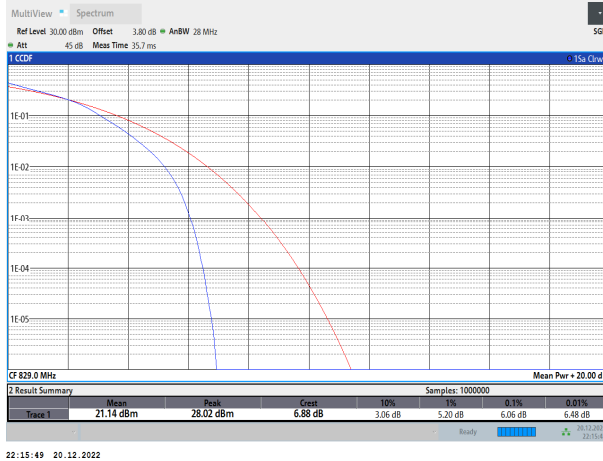
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Band5-10MHz-QPSK-20600-50RB#0



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

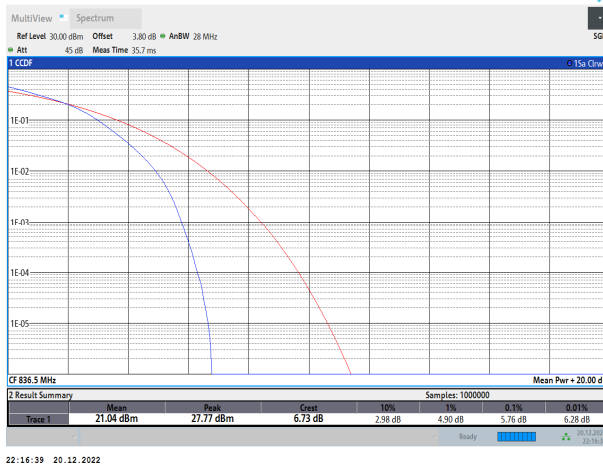


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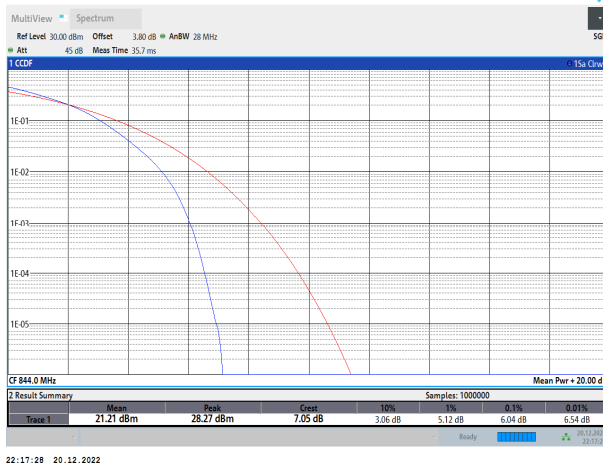
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Band5-10MHz-16QAM-20525-50RB#0



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

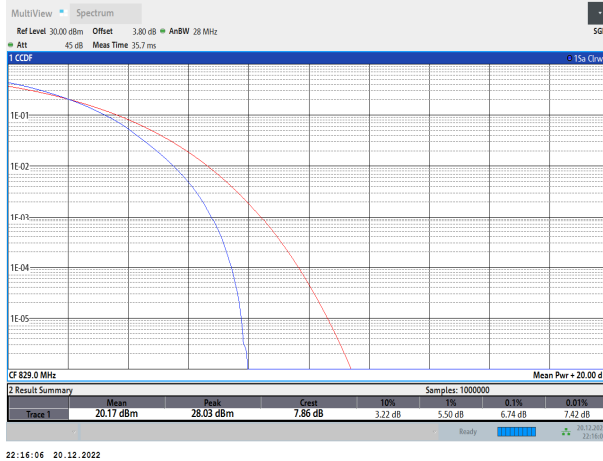


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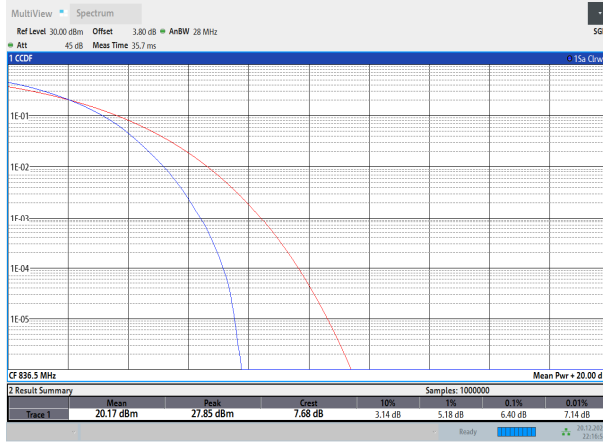
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Band5-10MHz-64QAM-20450-50RB#0



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



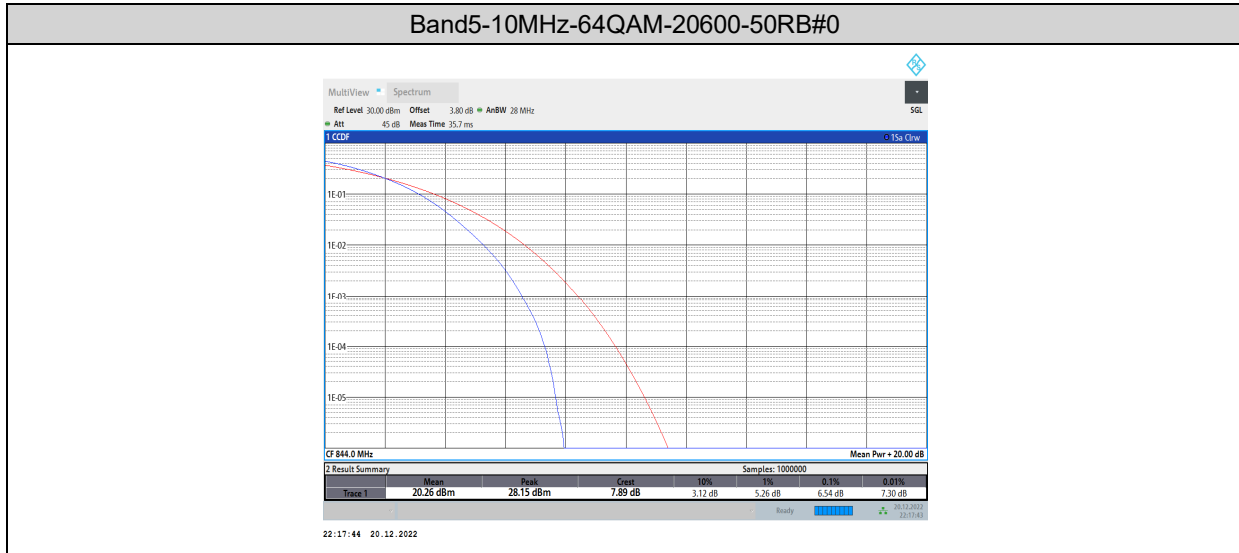
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Modulation Characteristics

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

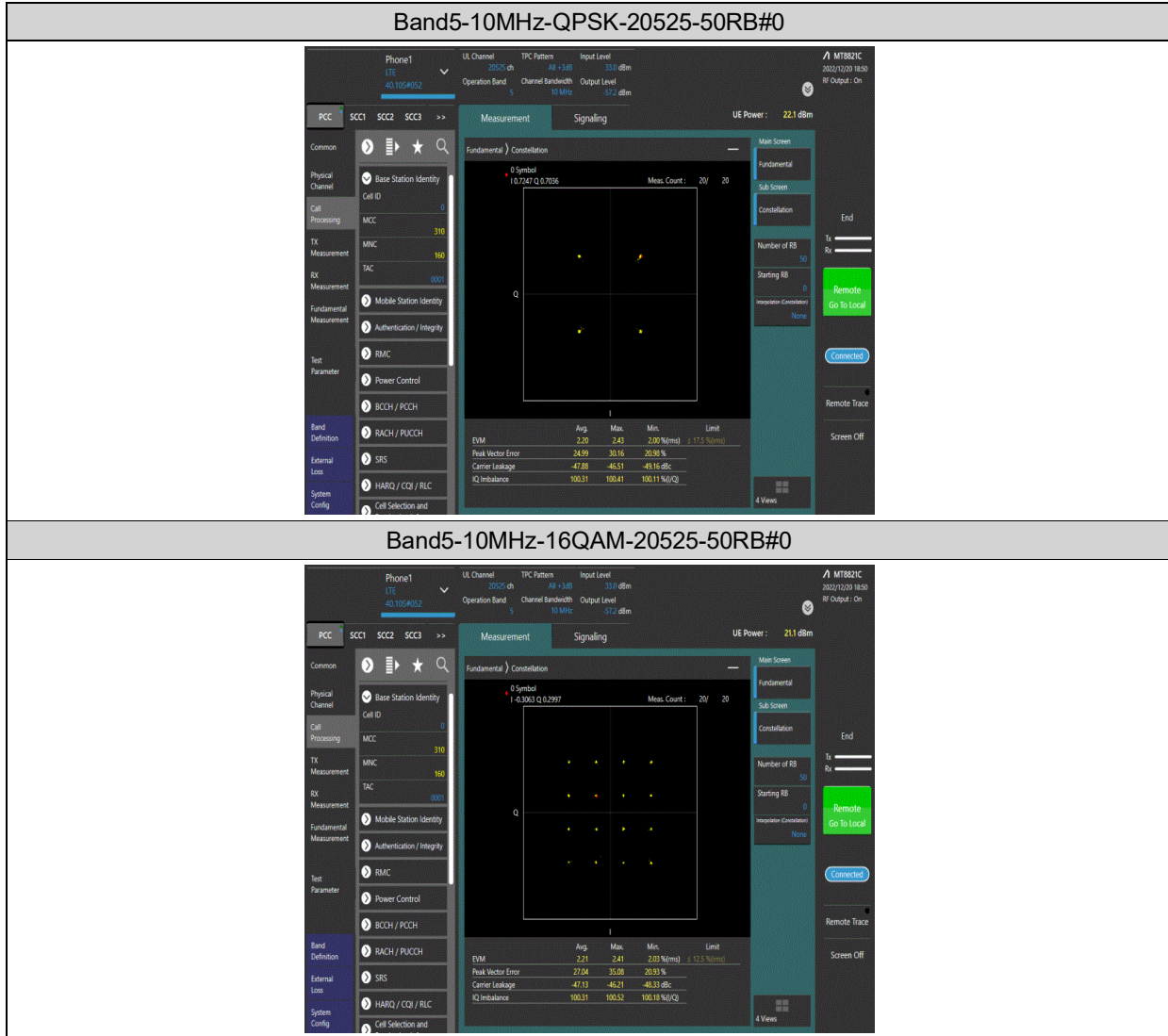


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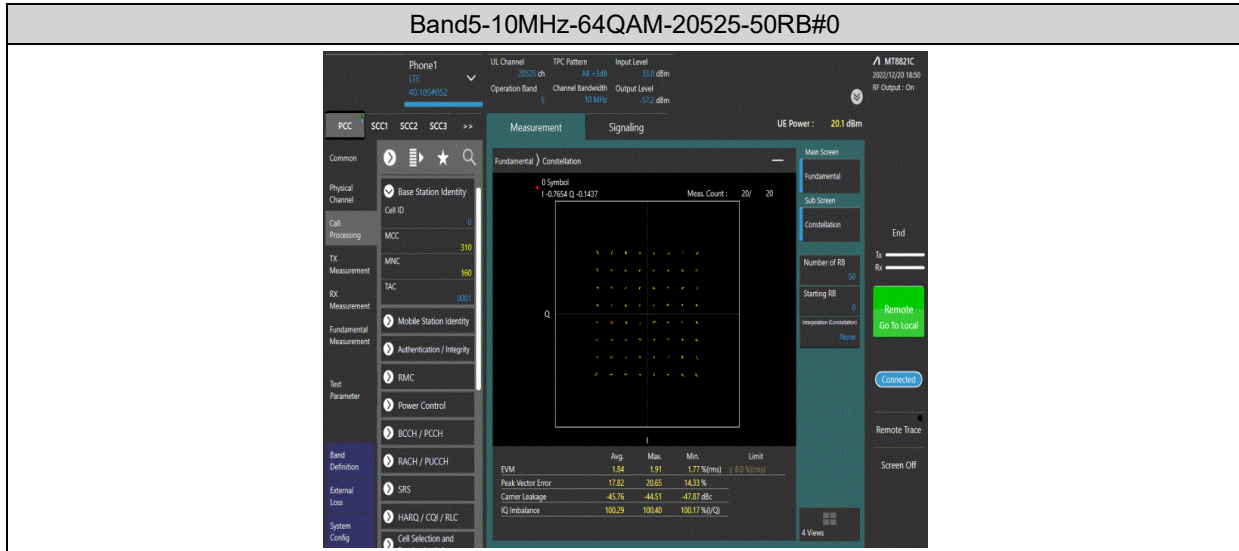
Test Graphs



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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	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.092	1.25	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.09	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	2.695	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.692	2.99	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.692	3.00	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.687	2.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.688	3.00	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.684	2.97	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.688	2.95	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.687	2.98	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.472	4.86	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.464	4.76	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.465	4.87	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.467	4.92	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.463	4.90	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.461	4.88	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.484	4.89	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.467	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.472	4.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.96	9.64	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.908	9.62	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.944	9.70	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.939	9.66	PASS



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Report No.: SEWM2212000308RG01

Rev.: 02

Page: 17 of 56

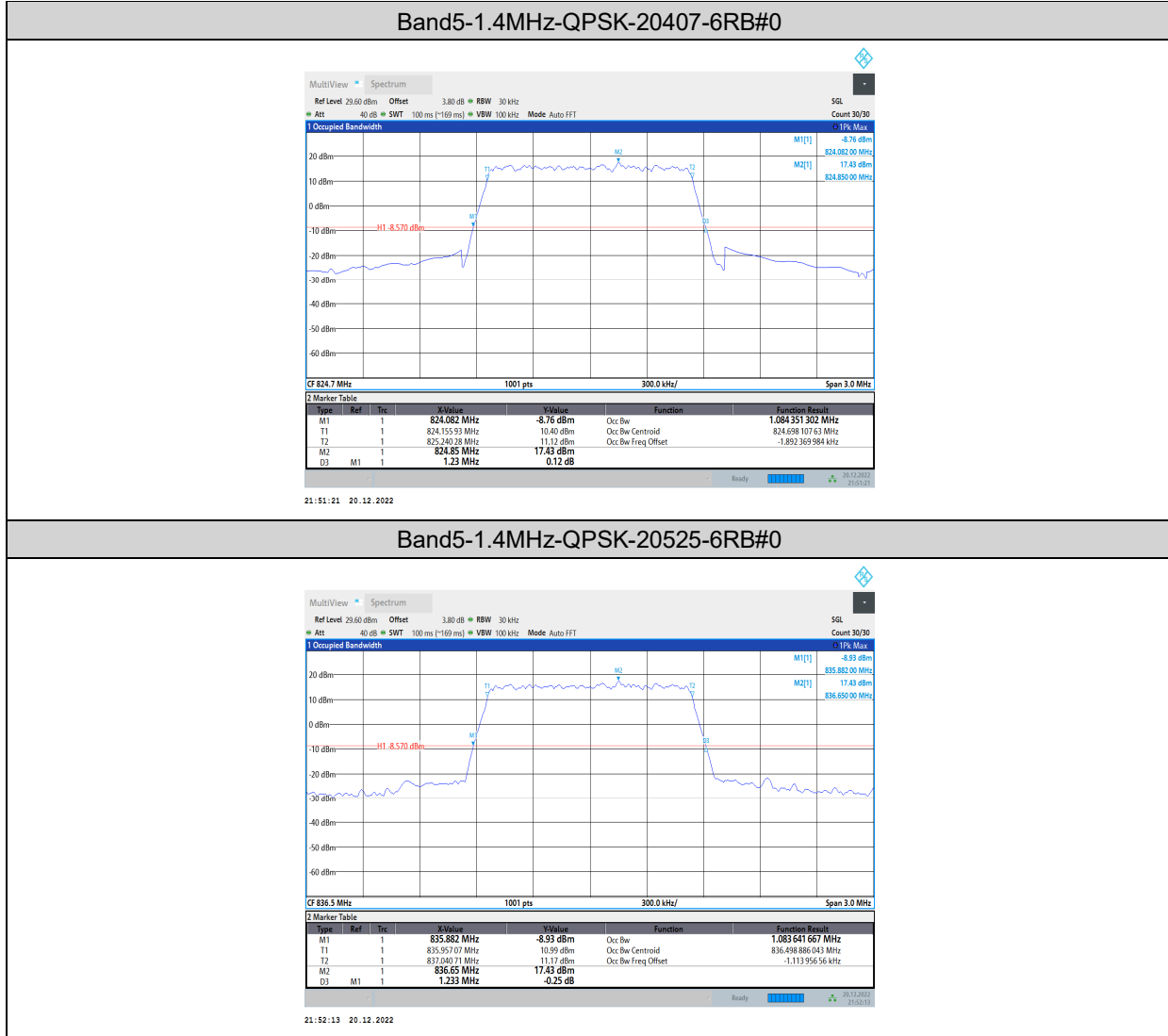
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Band5	10MHz	16QAM	20600	50RB#0	8.925	9.60	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.952	9.68	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.903	9.56	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.944	9.64	PASS



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Test Graphs



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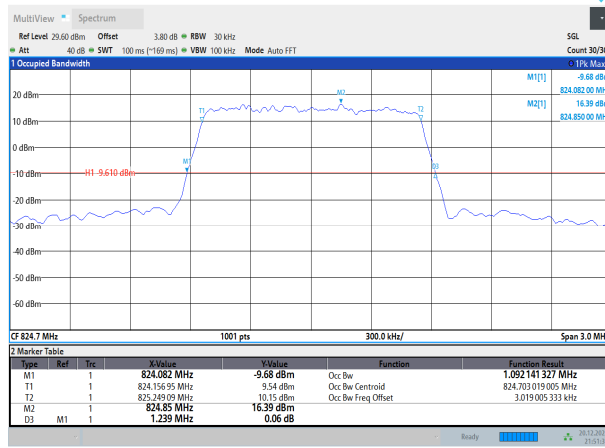
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Band5-1.4MHz-QPSK-20643-6RB#0



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

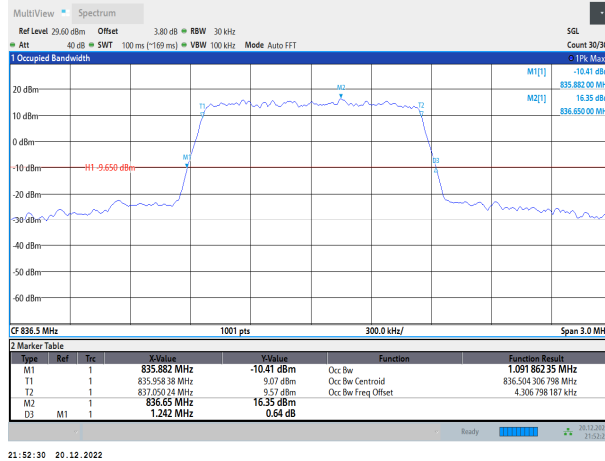


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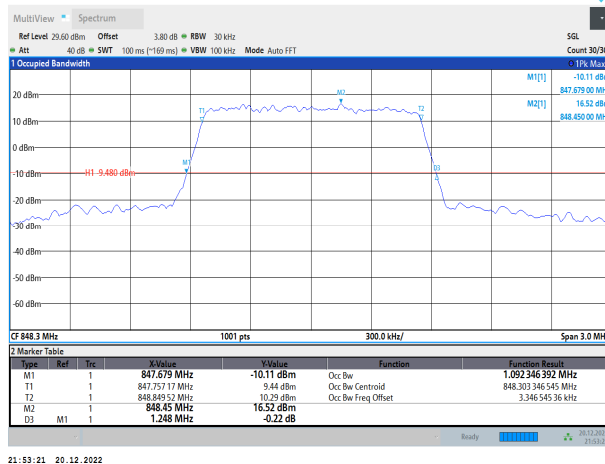
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Band5-1.4MHz-16QA.M-20525-6RB#0



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

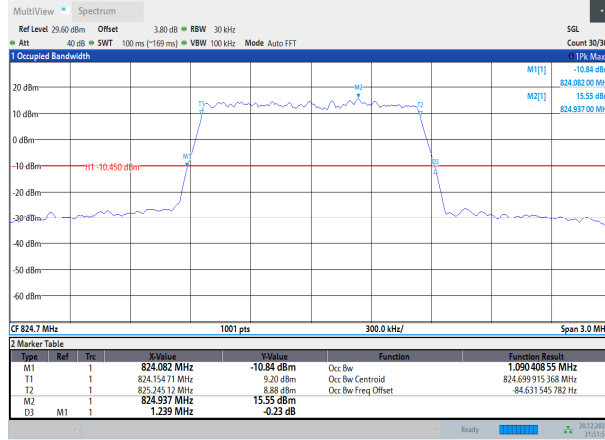


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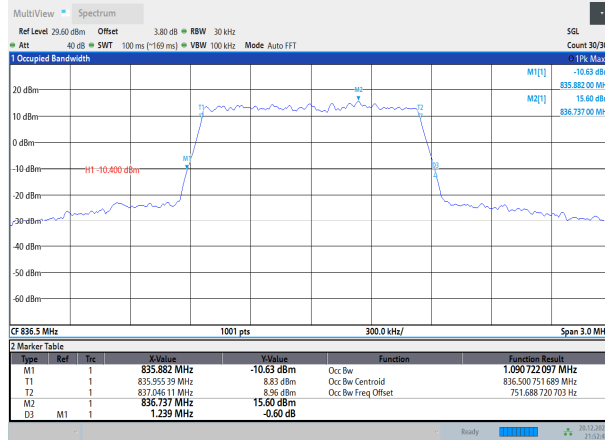
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Band5-1.4MHz-64QAM-20407-6RB#0



21:51:56 20.12.2022

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



21:52:47 20.12.2022

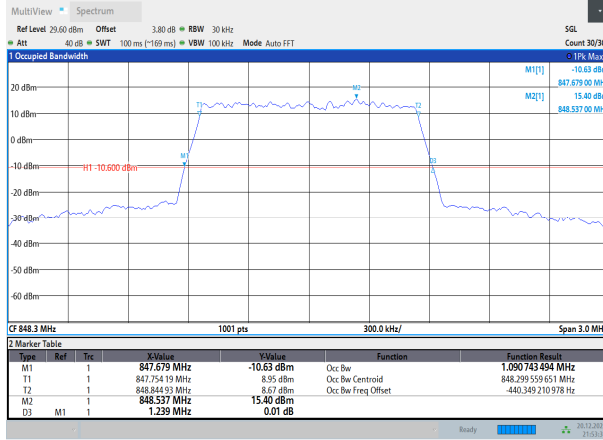


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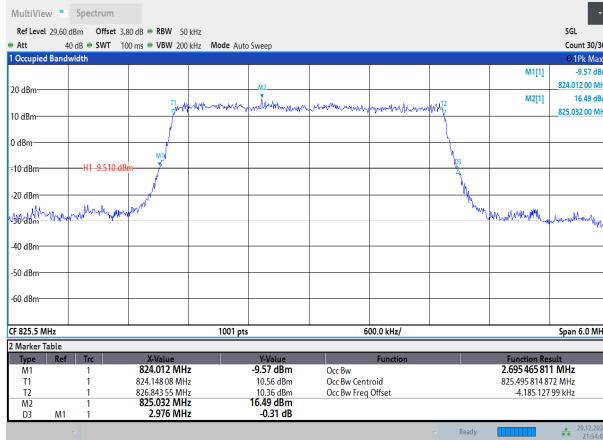
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Band5-1.4MHz-64QAM-20643-6RB#0



21:53:38 20.12.2022

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



21:54:09 20.12.2022

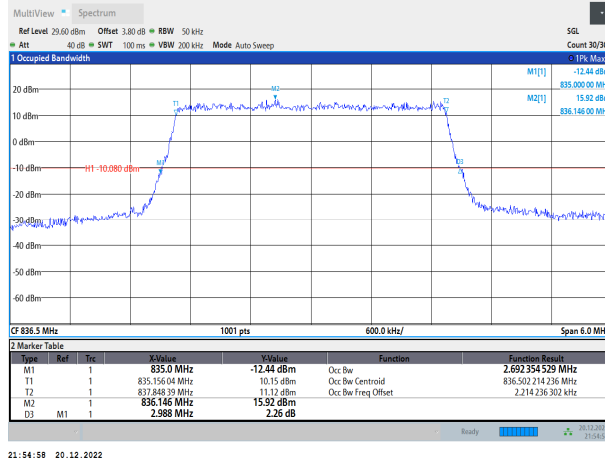


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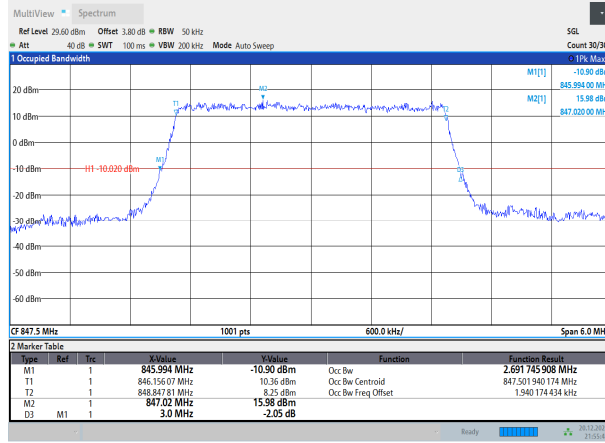
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Band5-3MHz-QPSK-20525-15RB#0



21:54:58 20.12.2022

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



21:55:46 20.12.2022

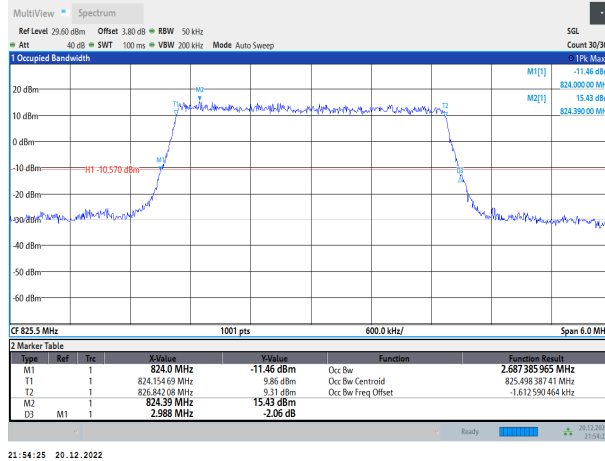


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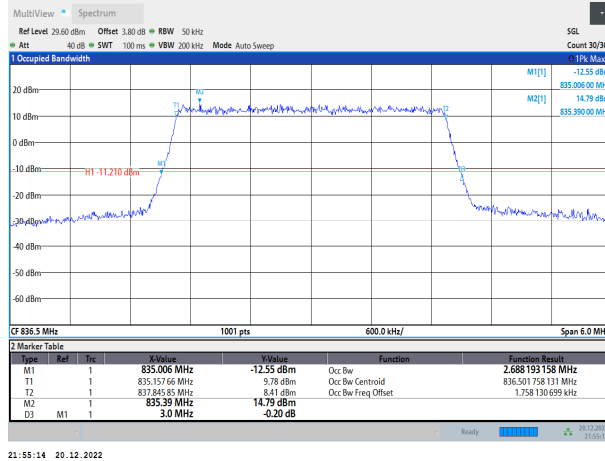
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Band5-3MHz-16QAM-20415-15RB#0



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

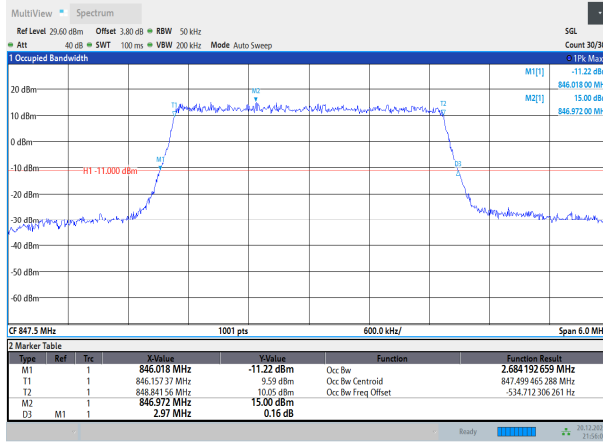


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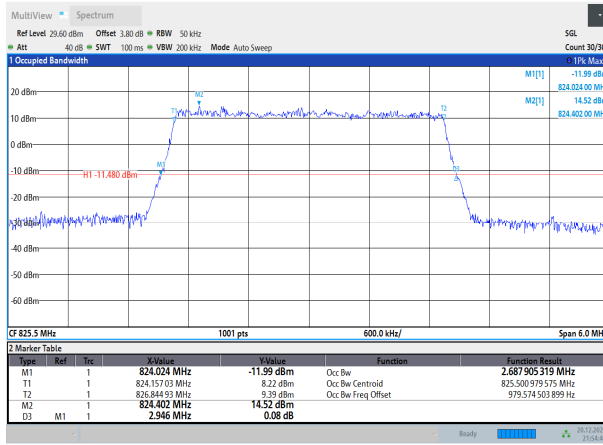
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Band5-3MHz-16QAM-20635-15RB#0



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

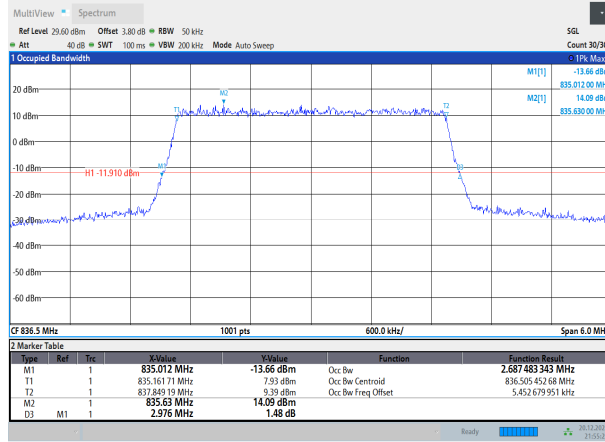


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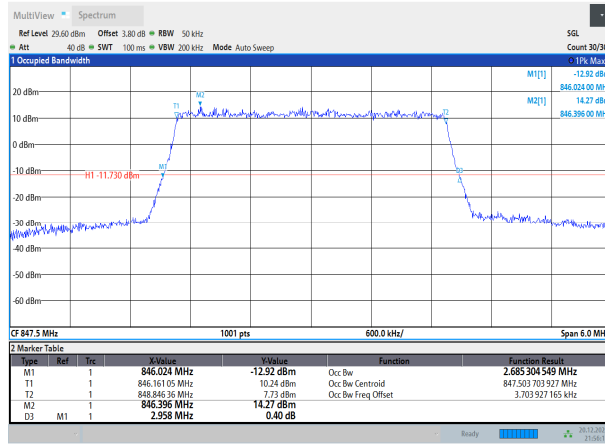
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Band5-3MHz-64QAM-20525-15RB#0



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

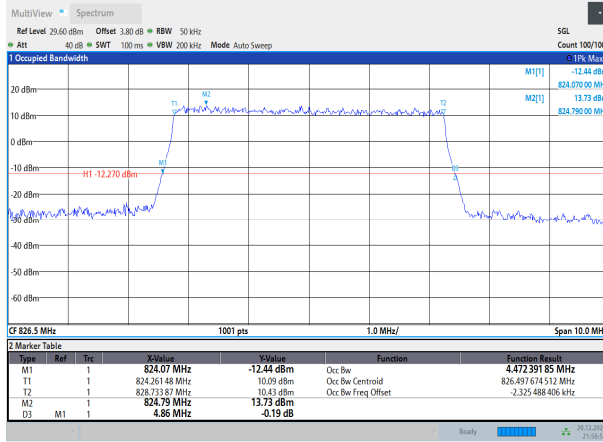


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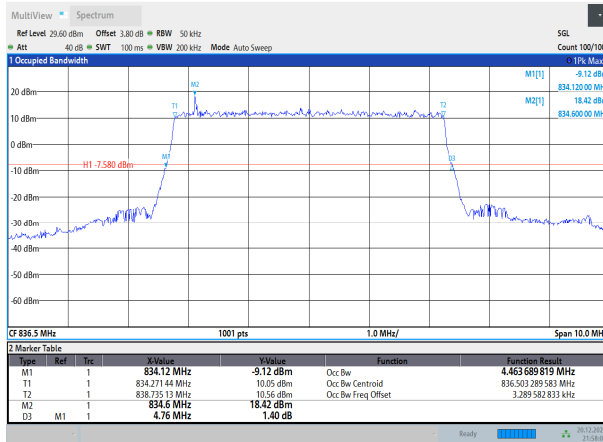
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Band5-5MHz-QPSK-20425-25RB#0



21:56:56 20.12.2022

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



21:58:06 20.12.2022

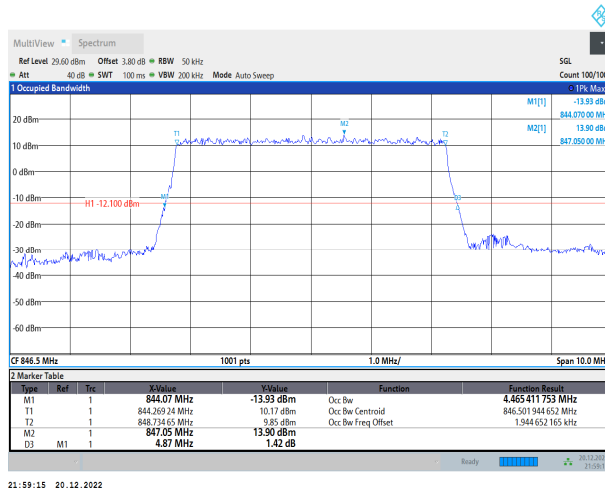


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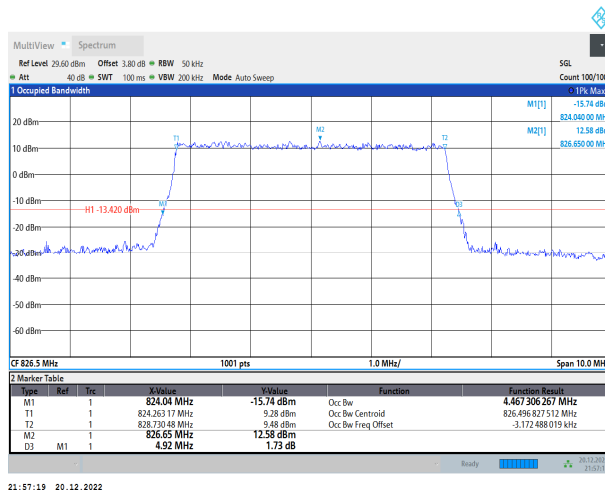
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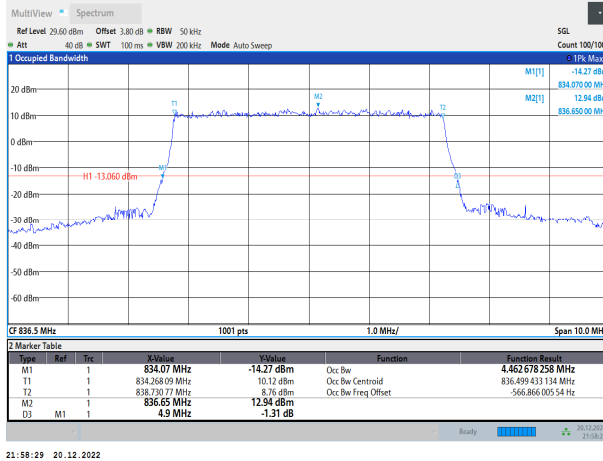


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Band5-5MHz-16QAM-20525-25RB#0



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

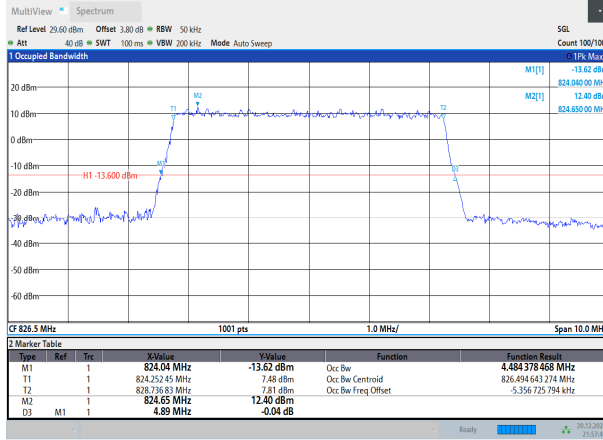


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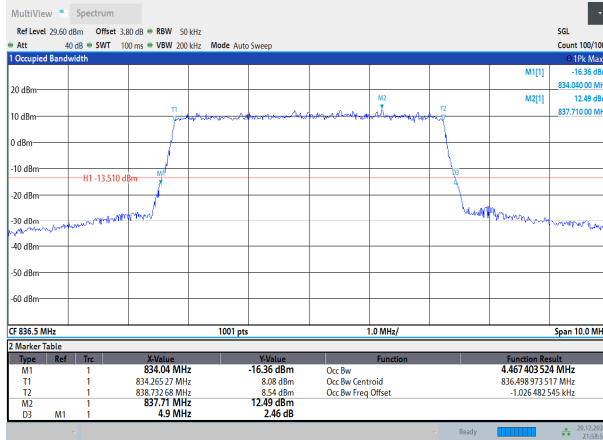
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Band5-5MHz-64QAM-20425-25RB#0



21:57:42 20.12.2022

Band5-5MHz-64QAM-20525-25RB#0



21:58:52 20.12.2022

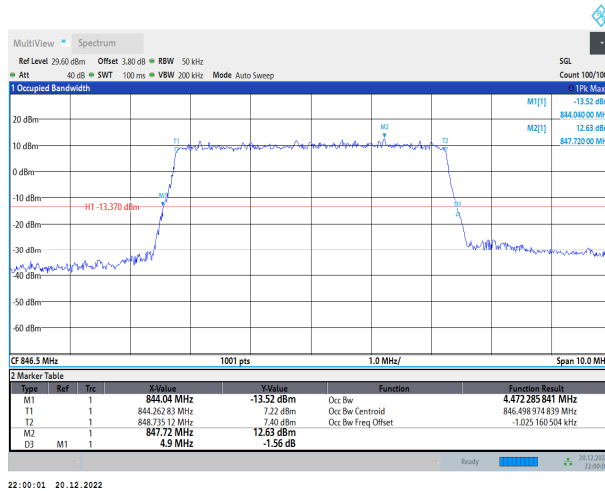


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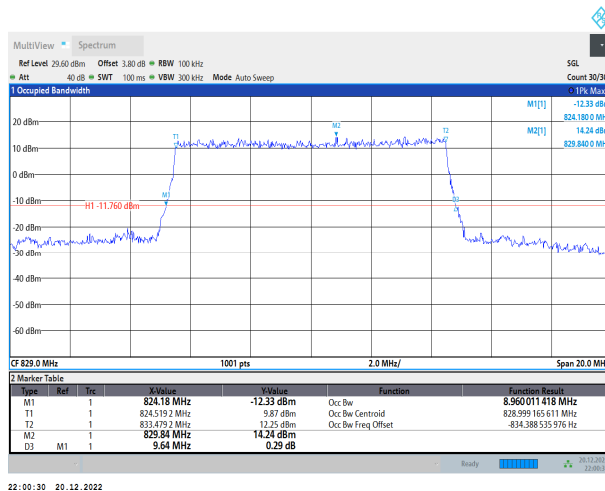
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Band5-10MHz-QPSK-20450-50RB#0

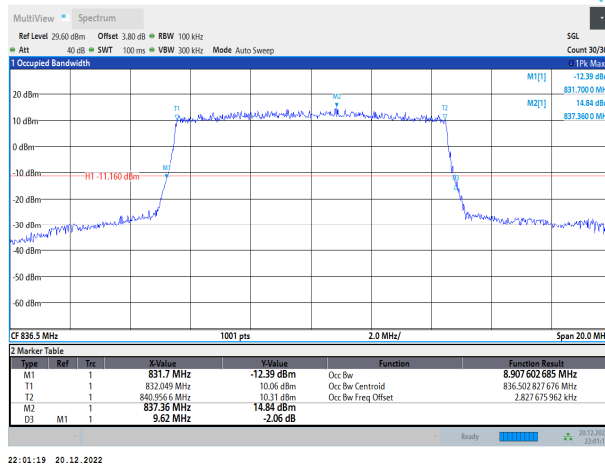


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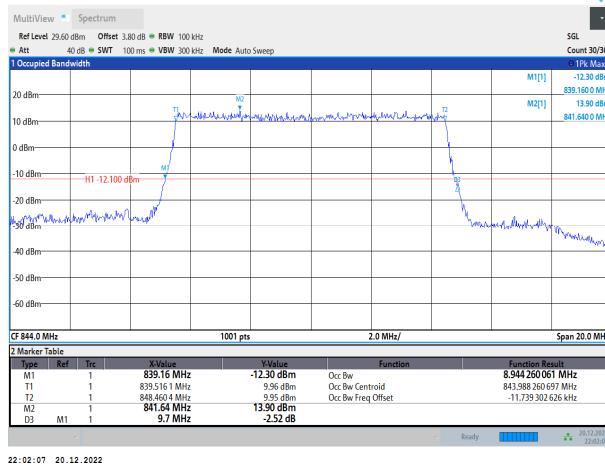
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Band5-10MHz-QPSK-20525-50RB#0



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

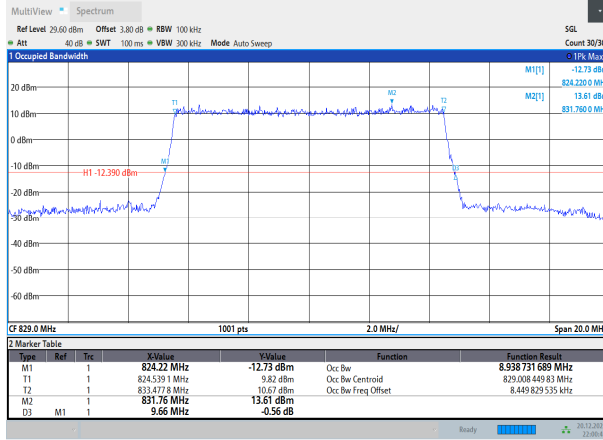


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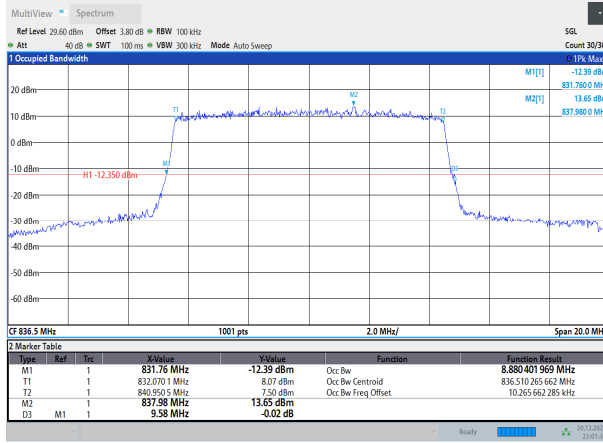
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Band5-10MHz-16QAM-20450-50RB#0



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

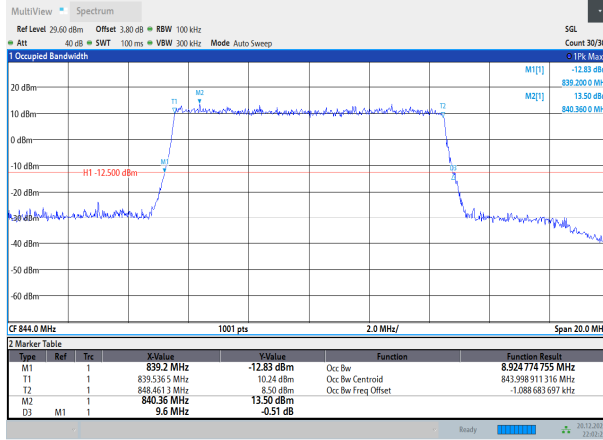


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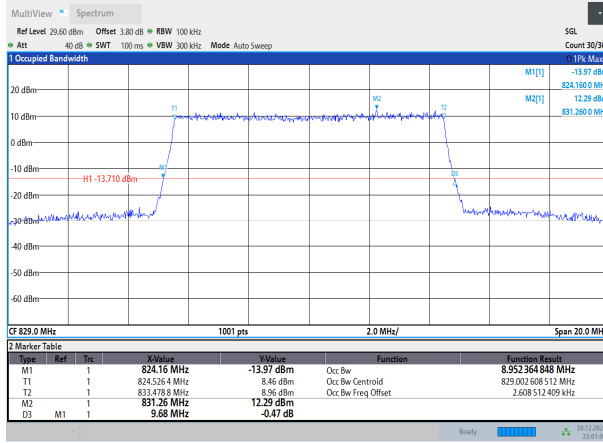
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Band5-10MHz-16QAM-20600-50RB#0



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

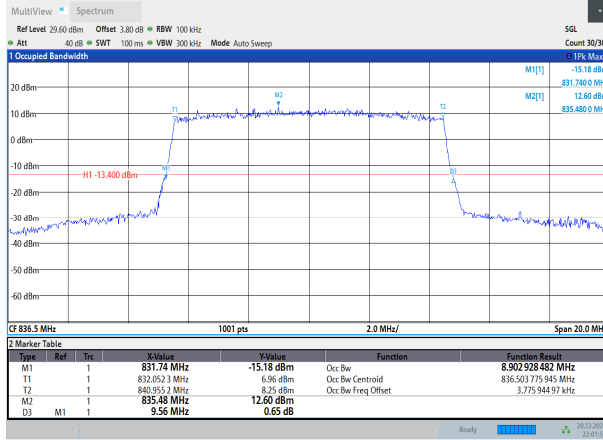


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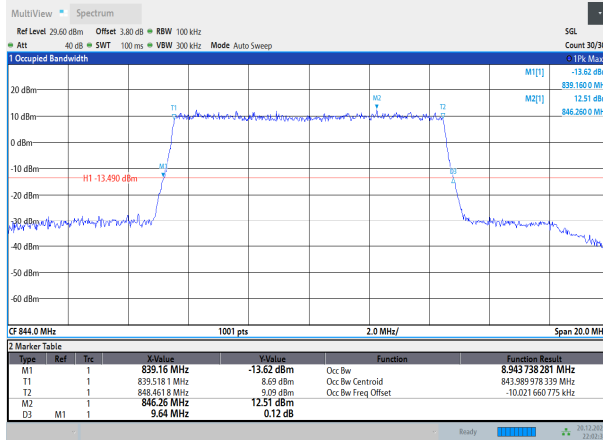
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Band5-10MHz-64QAM-20525-50RB#0



22:01:51 20.12.2022

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



22:02:39 20.12.2022



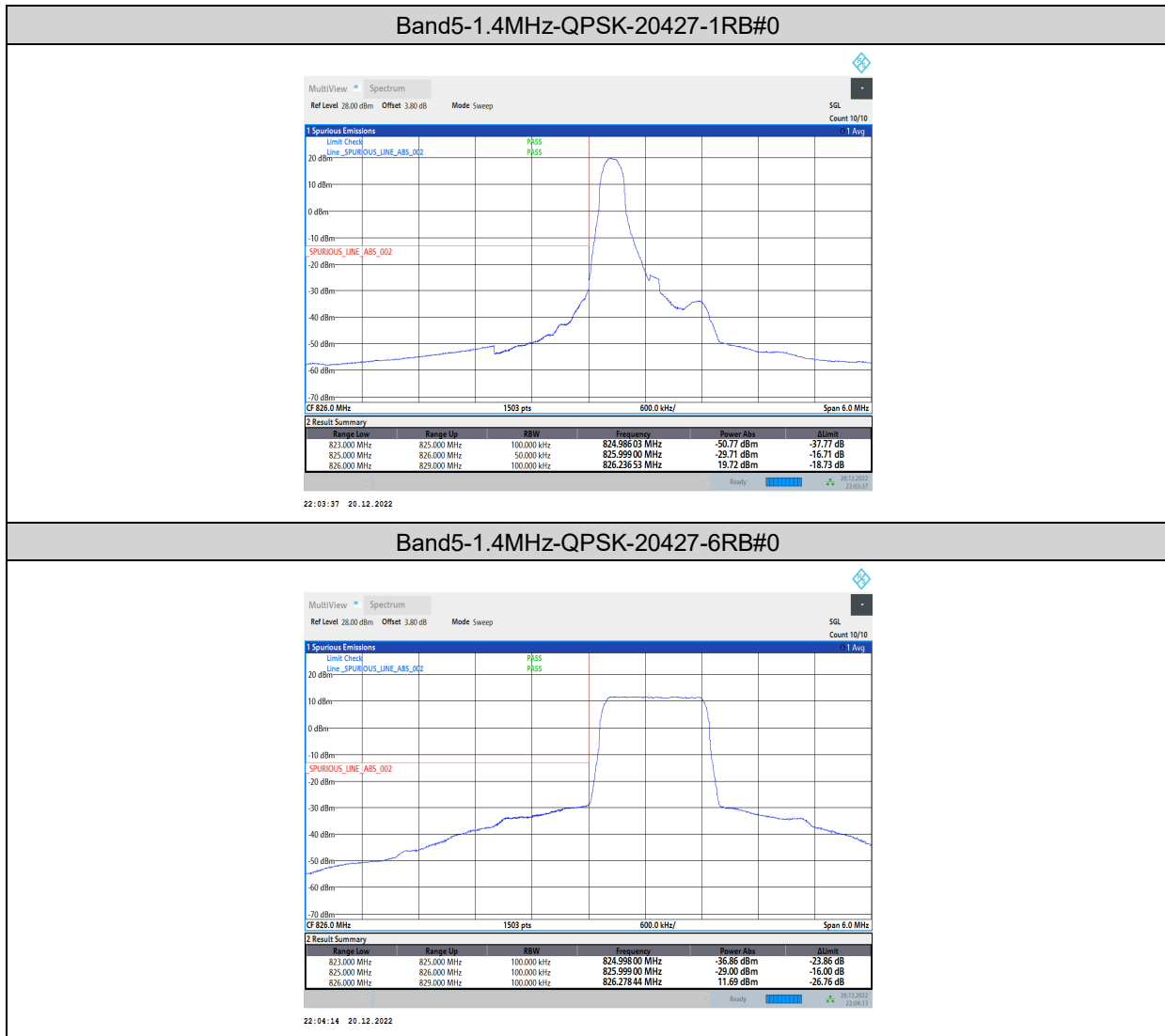
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Band Edge

Test Graphs

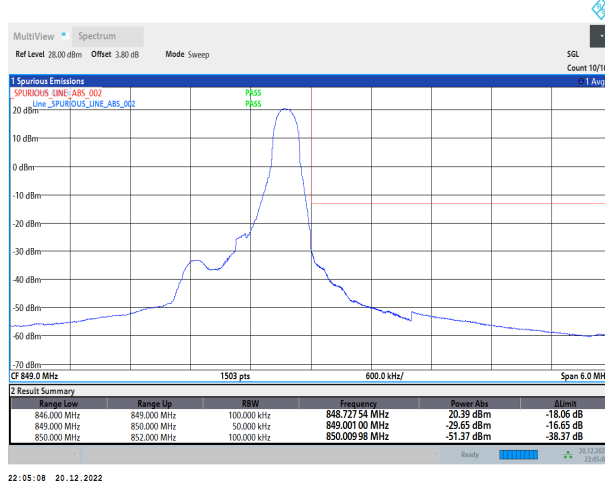


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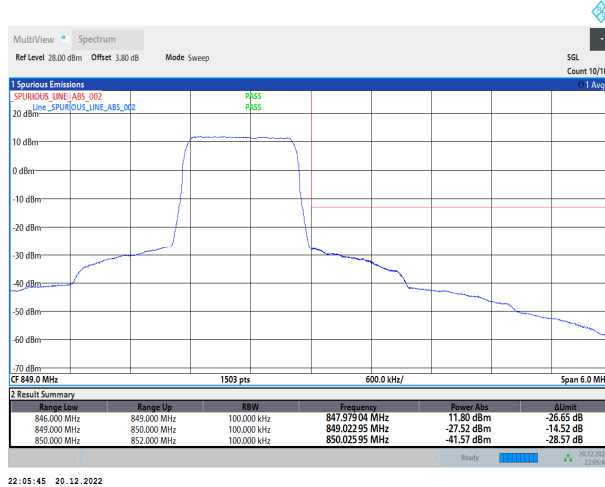
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Band5-1.4MHz-QPSK-20643-1RB#5



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

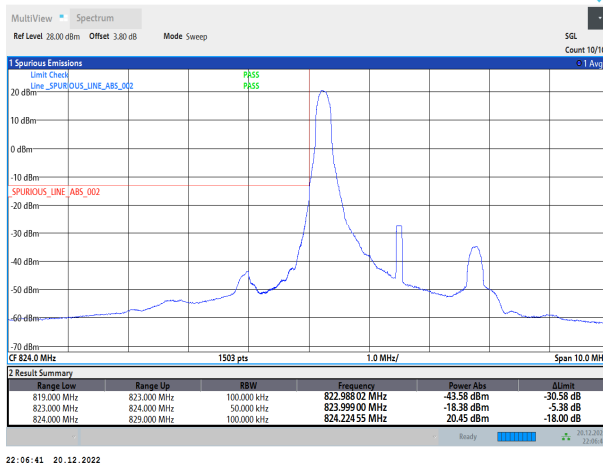


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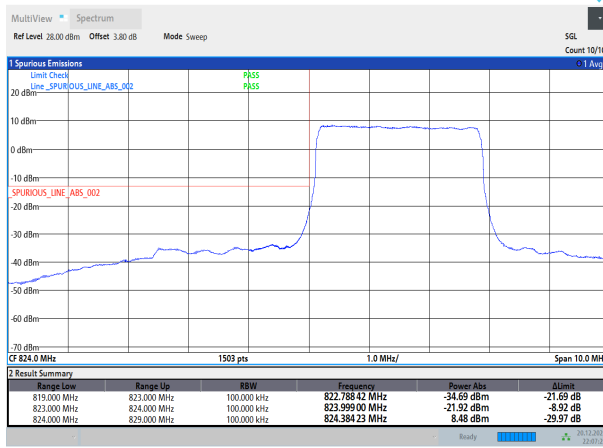
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Band5-3MHz-QPSK-20415-1RB#0



22:06:41 20.12.2022

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



22:07:20 20.12.2022

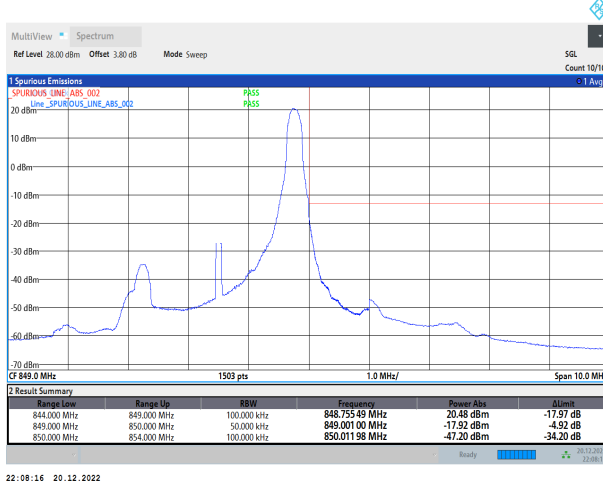


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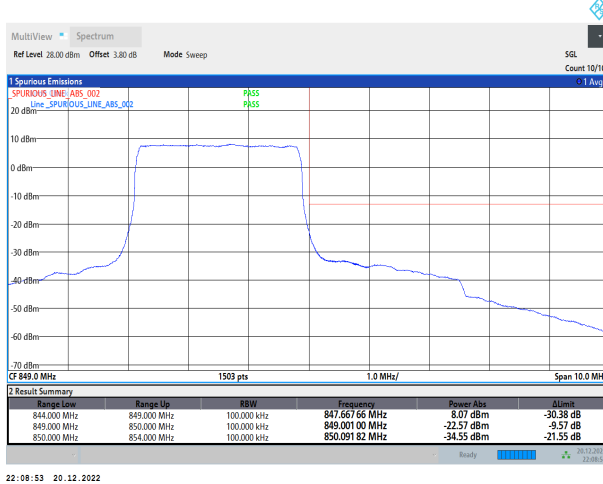
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Band5-3MHz-QPSK-20635-1RB#14



22:08:16 20.12.2022

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



22:08:53 20.12.2022

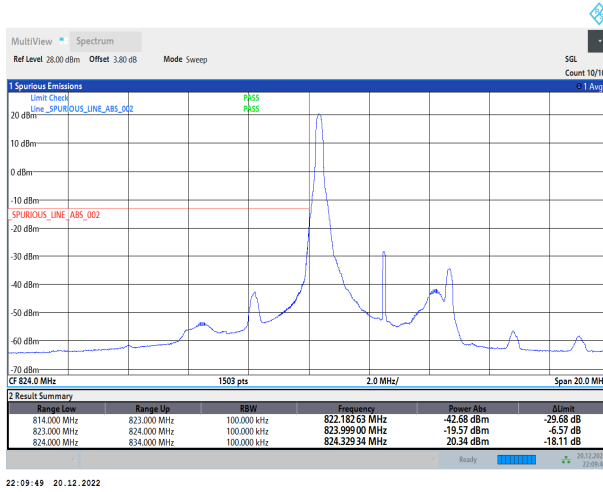


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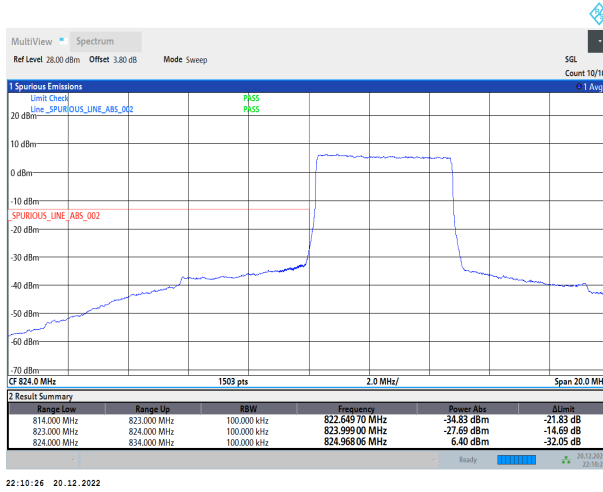
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Band5-5MHz-QPSK-20425-1RB#0



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

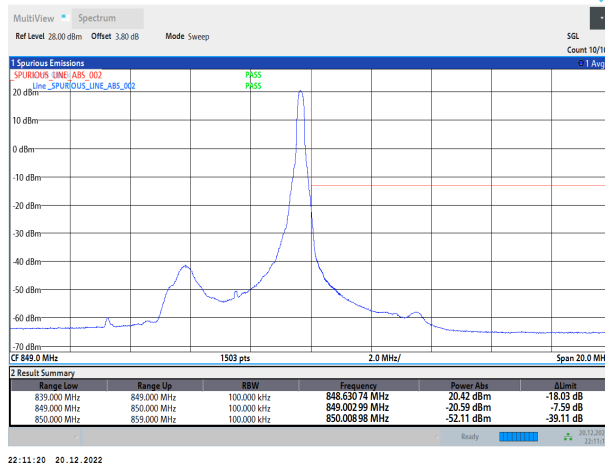


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Band5-5MHz-QPSK-20625-1RB#24



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

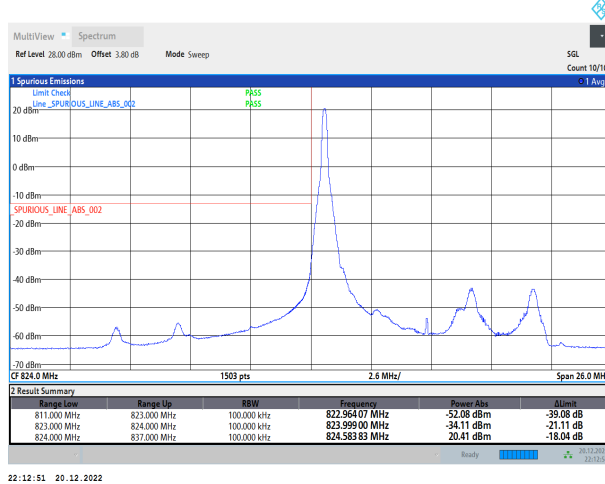


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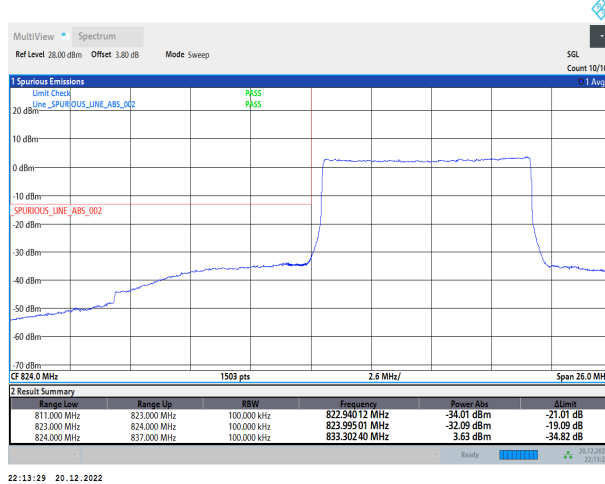
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Band5-10MHz-QPSK-20450-1RB#0



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

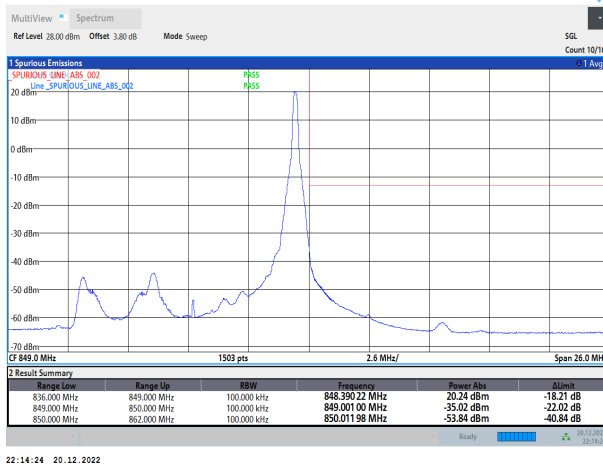


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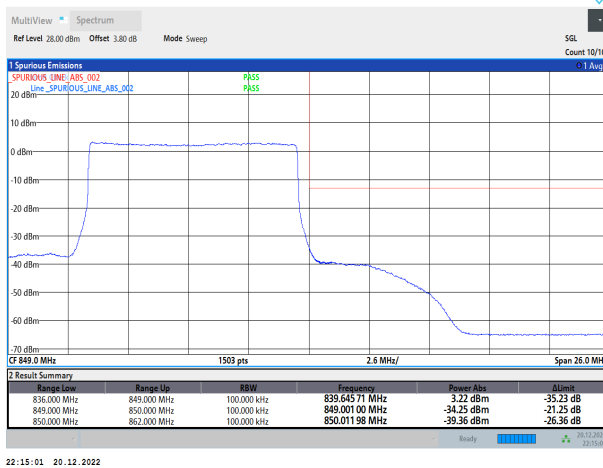
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Band5-10MHz-QPSK-20600-1RB#49



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



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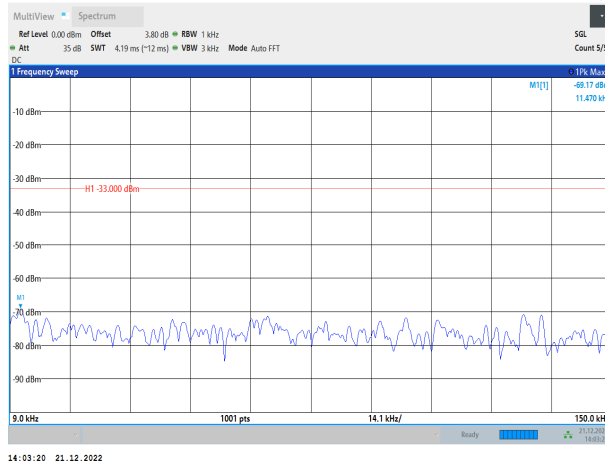
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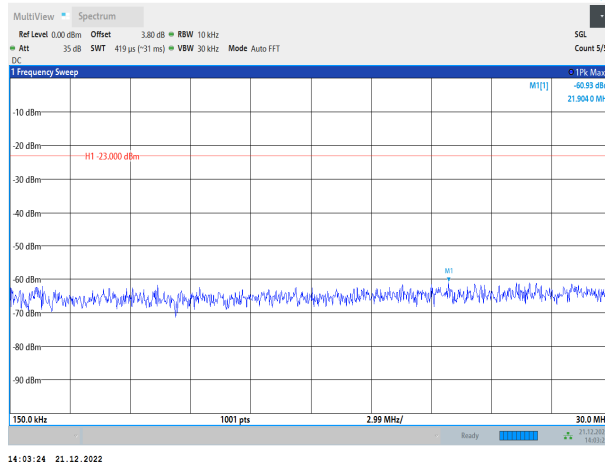
Conducted Spurious Emission

Test Graphs

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



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

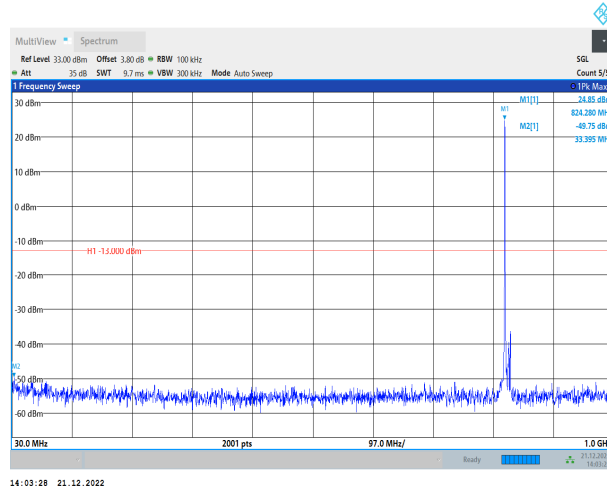


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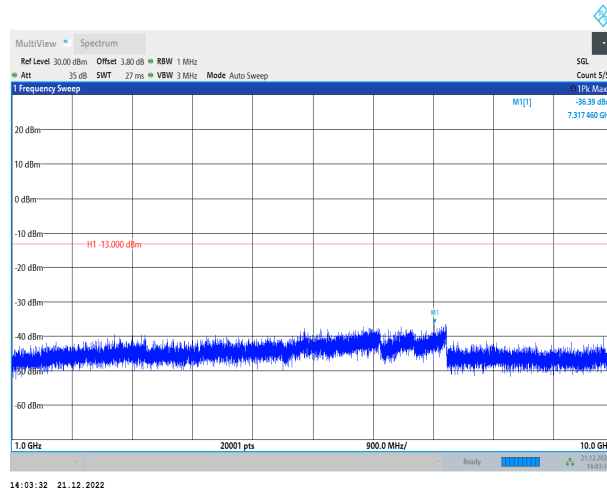
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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

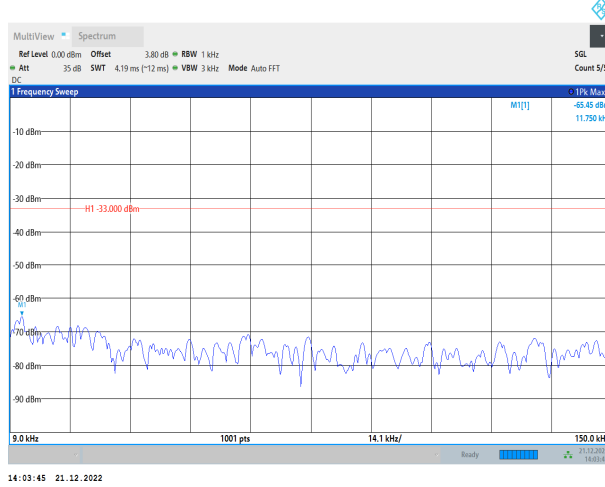


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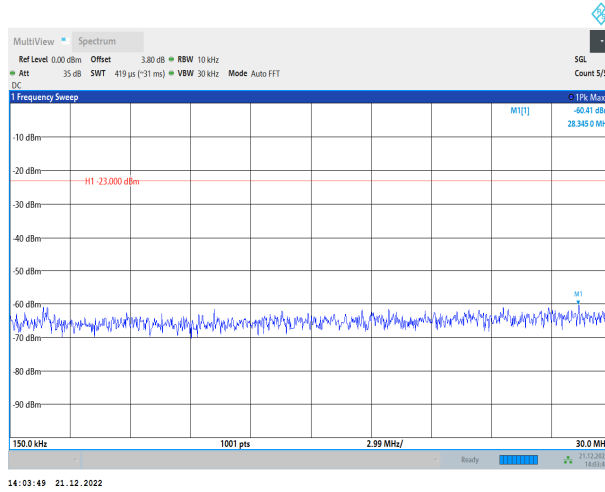
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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

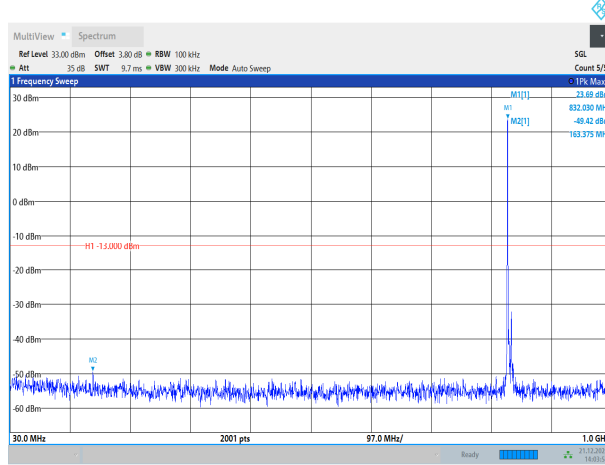


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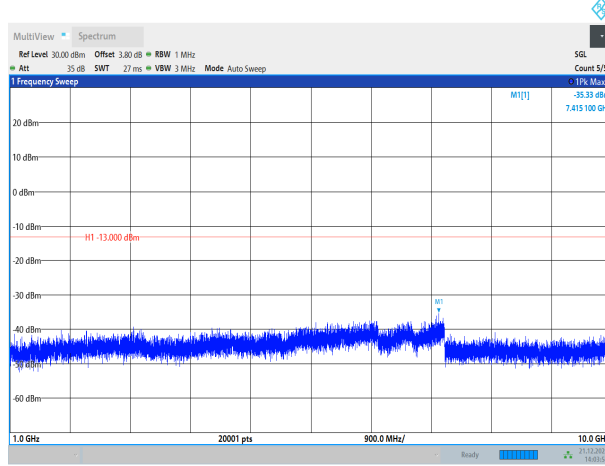
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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

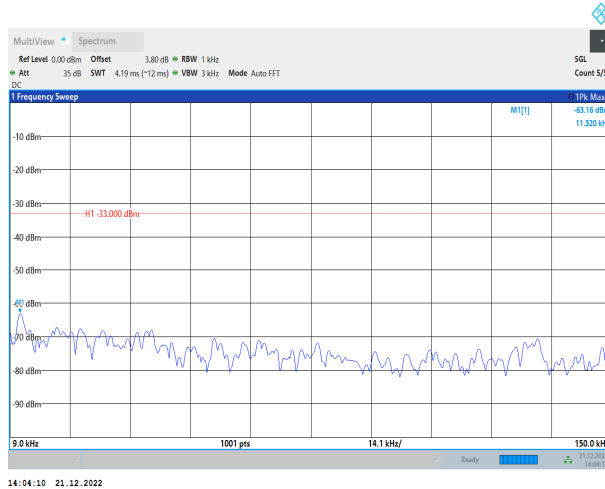


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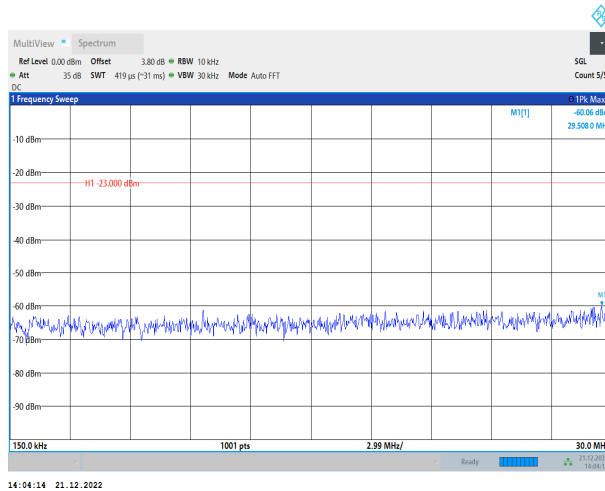
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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

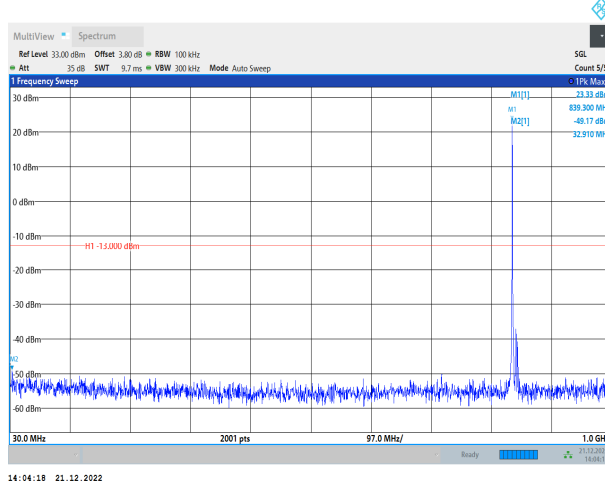


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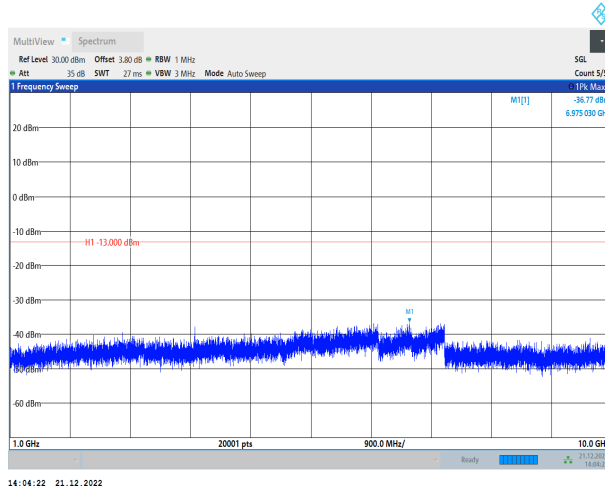
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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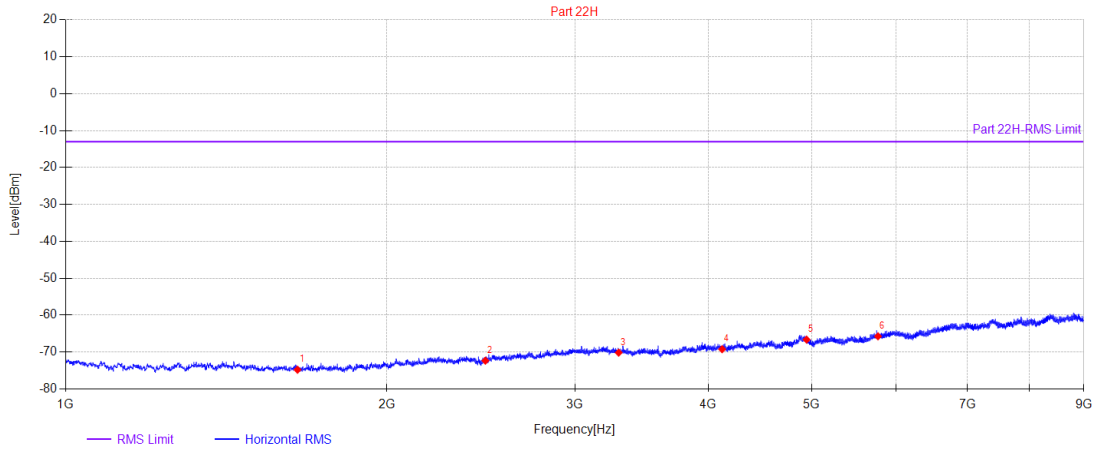
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Field Strength of Spurious Radiation

Test Band = LTE Band5_ TM1

Test Channel = Low



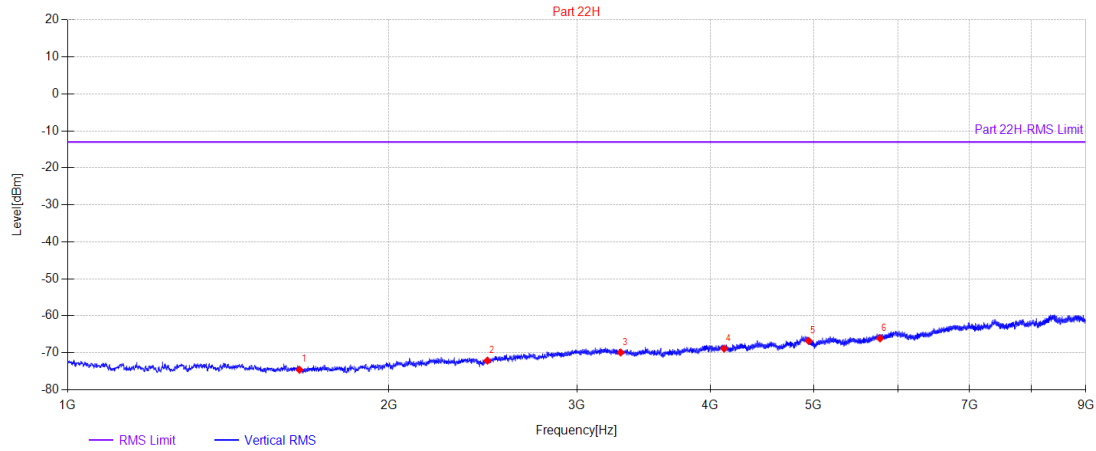
Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	43.33	-48.22	25.37	-74.78	-13.00	61.78	245	13	Horizontal
2	2473.7700	42.56	-47.32	27.69	-72.33	-13.00	59.33	177	189	Horizontal
3	3298.3600	42.23	-46.68	29.56	-70.15	-13.00	57.15	189	67	Horizontal
4	4122.9500	40.96	-45.91	30.99	-69.23	-13.00	56.23	169	13	Horizontal
5	4947.5400	41.59	-45.69	32.73	-66.63	-13.00	53.63	192	242	Horizontal
6	5772.1300	40.52	-44.64	33.65	-65.73	-13.00	52.73	154	175	Horizontal



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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	43.52	-48.22	25.37	-74.59	-13.00	61.59	256	144	Vertical
2	2473.7700	42.77	-47.32	27.69	-72.12	-13.00	59.12	142	156	Vertical
3	3298.3600	42.47	-46.68	29.56	-69.91	-13.00	56.91	136	62	Vertical
4	4122.9500	41.33	-45.91	30.99	-68.86	-13.00	55.86	258	103	Vertical
5	4947.5400	41.44	-45.69	32.73	-66.78	-13.00	53.78	142	264	Vertical
6	5772.1300	40.14	-44.64	33.65	-66.11	-13.00	53.11	166	0	Vertical



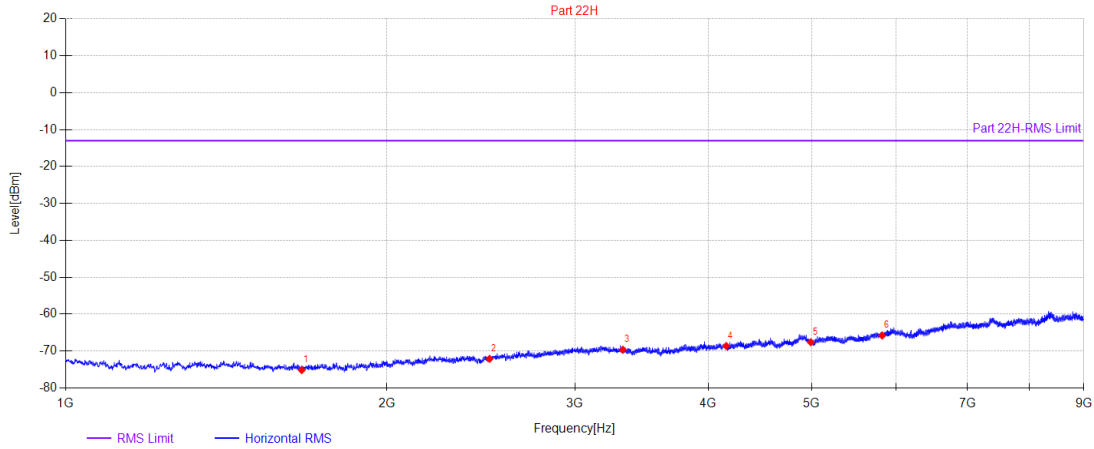
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Test Band = LTE Band5_ TM1

Test Channel = Mid



Final Data List

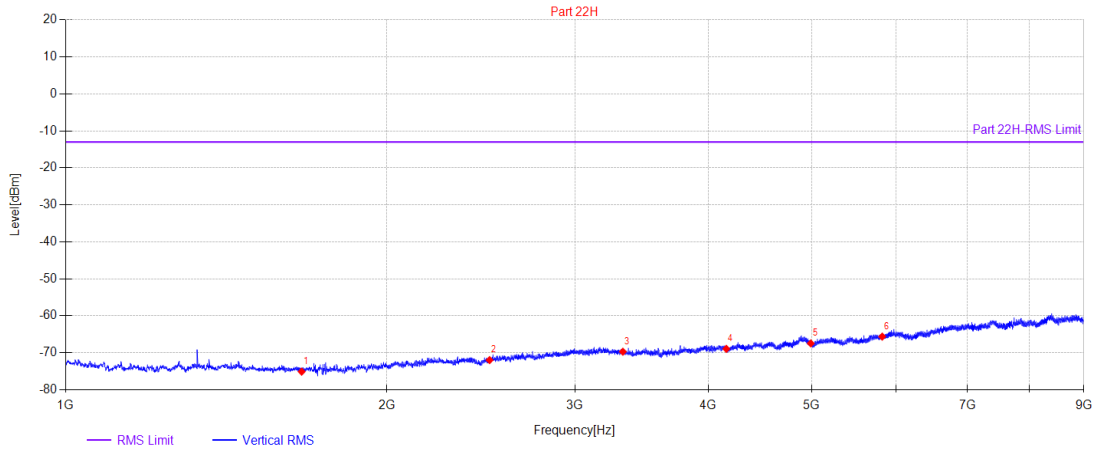
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	42.93	-48.20	25.38	-75.16	-13.00	62.16	248	308	Horizontal
2	2496.2700	42.68	-47.28	27.76	-72.10	-13.00	59.10	175	93	Horizontal
3	3328.3600	42.74	-46.64	29.52	-69.64	-13.00	56.64	146	80	Horizontal
4	4160.4500	41.53	-45.94	31.04	-68.63	-13.00	55.63	291	134	Horizontal
5	4992.5400	40.58	-45.79	32.86	-67.61	-13.00	54.61	142	134	Horizontal
6	5824.6300	40.42	-44.74	33.80	-65.78	-13.00	52.78	156	256	Horizontal



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NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	43.00	-48.20	25.38	-75.09	-13.00	62.09	145	132	Vertical
2	2496.2700	42.81	-47.28	27.76	-71.97	-13.00	58.97	198	281	Vertical
3	3328.3600	42.68	-46.64	29.52	-69.70	-13.00	56.70	177	146	Vertical
4	4160.4500	41.23	-45.94	31.04	-68.93	-13.00	55.93	265	91	Vertical
5	4992.5400	40.74	-45.79	32.86	-67.45	-13.00	54.45	198	91	Vertical
6	5824.6300	40.58	-44.74	33.80	-65.62	-13.00	52.62	211	281	Vertical

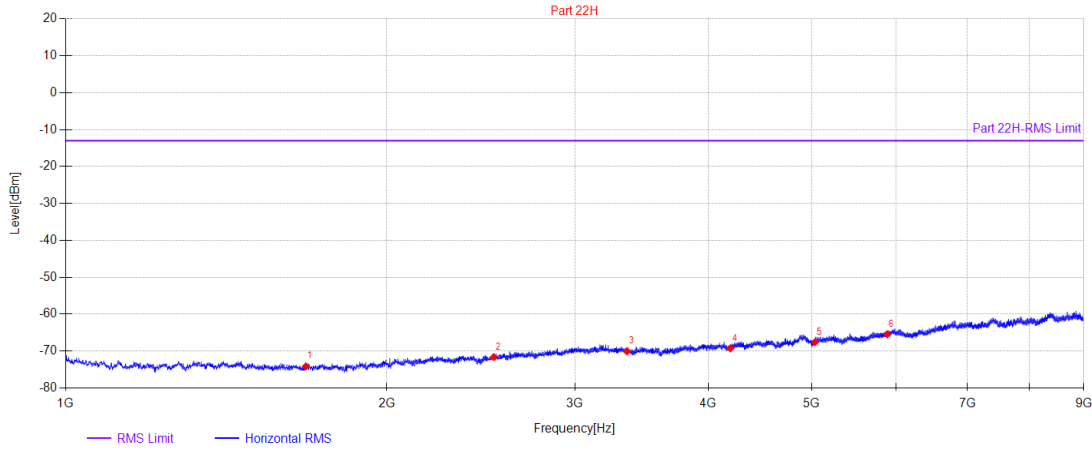


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Test Band = LTE Band5_ TM1
Test Channel = High



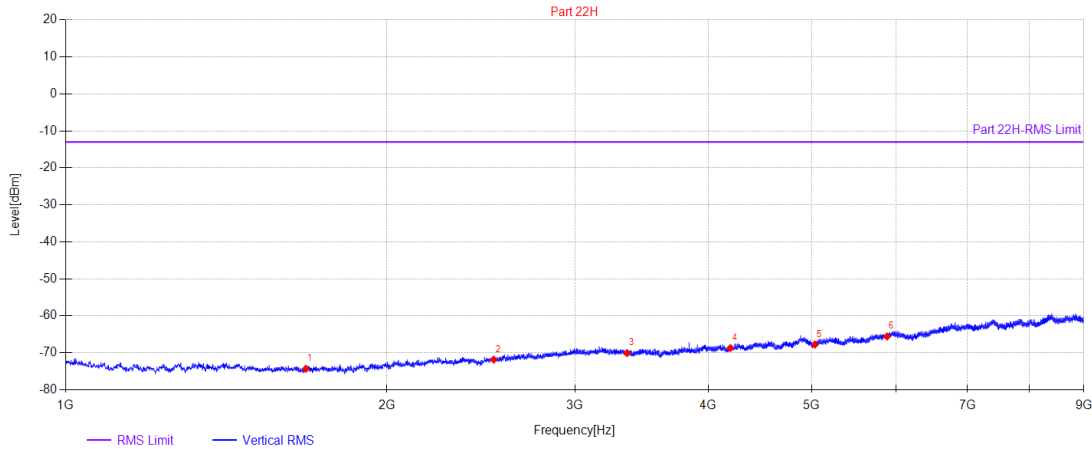
Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	43.92	-48.18	25.38	-74.14	-13.00	61.14	287	269	Horizontal
2	2518.7700	43.00	-47.21	27.83	-71.63	-13.00	58.63	189	215	Horizontal
3	3358.3600	42.30	-46.60	29.48	-70.08	-13.00	57.08	142	360	Horizontal
4	4197.9500	40.87	-45.96	31.10	-69.25	-13.00	56.25	166	25	Horizontal
5	5037.5400	40.41	-45.65	32.90	-67.60	-13.00	54.60	258	202	Horizontal
6	5887.1300	40.81	-44.93	33.92	-65.46	-13.00	52.46	191	269	Horizontal



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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	43.73	-48.18	25.38	-74.33	-13.00	61.33	258	48	Vertical
2	2518.7700	42.79	-47.21	27.83	-71.84	-13.00	58.84	147	34	Vertical
3	3358.3600	42.30	-46.60	29.48	-70.08	-13.00	57.08	153	224	Vertical
4	4197.9500	41.42	-45.96	31.10	-68.70	-13.00	55.70	261	321	Vertical
5	5037.5400	40.23	-45.65	32.90	-67.78	-13.00	54.78	149	212	Vertical
6	5887.1300	40.67	-44.93	33.92	-65.60	-13.00	52.60	192	0	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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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	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.30	-0.001554	±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	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	1.50	0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.10	-0.000120	±2.5	PASS

---End of Attachment---



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