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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	23.00	23.38	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.12	23.5	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.98	23.36	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.05	22.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.98	23.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.09	23.47	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.97	23.35	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.01	22.39	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.91	23.29	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.93	23.31	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.83	23.21	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.97	22.35	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.24	22.62	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.32	22.7	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.18	22.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.12	21.5	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.24	22.62	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.33	22.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.29	22.67	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.09	21.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.19	22.57	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.20	22.58	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.09	22.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.10	21.48	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.20	21.58	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.25	21.63	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.13	21.51	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	20.06	20.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.23	21.61	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.28	21.66	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.20	21.58	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.05	20.43	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.04	21.42	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.13	21.51	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.19	21.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.96	20.34	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.06	23.44	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.03	23.41	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.00	23.38	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.11	22.49	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.11	23.49	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.06	23.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.07	23.45	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.12	22.5	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.96	23.34	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.95	23.33	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.91	23.29	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.03	22.41	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.30	22.68	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.39	22.77	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.35	22.73	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.10	21.48	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.42	22.8	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.44	22.82	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.38	22.76	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.16	21.54	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.28	22.66	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.26	22.64	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.14	22.52	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	21.01	21.39	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.21	21.59	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.21	21.59	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.20	21.58	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.10	20.48	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.37	21.75	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.32	21.7	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.20	21.58	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.16	20.54	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.13	21.51	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.10	21.48	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.11	21.49	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.00	20.38	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.05	23.43	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.07	23.45	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.01	23.39	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.09	22.47	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.10	23.48	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.07	23.45	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.05	23.43	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.11	22.49	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.98	23.36	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.92	23.3	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.90	23.28	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.02	22.4	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.37	22.75	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.37	22.75	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.36	22.74	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.12	21.5	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.39	22.77	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.38	22.76	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.30	22.68	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	21.11	21.49	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.27	22.65	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.21	22.59	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.19	22.57	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.00	21.38	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.22	21.6	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.30	21.68	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.20	21.58	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.11	20.49	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.27	21.65	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.25	21.63	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.28	21.66	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.11	20.49	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.23	21.61	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.13	21.51	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.11	21.49	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.01	20.39	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.05	23.43	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.04	23.42	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.09	23.47	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.18	22.56	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.19	23.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.07	23.45	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.97	23.35	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.17	22.55	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.05	23.43	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.02	23.4	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.88	23.26	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.06	22.44	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.36	22.74	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.33	22.71	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.39	22.77	38.45	PASS



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Band5	10MHz	16QAM	20525	1RB#0	22.37	22.75	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.36	22.74	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.27	22.65	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.20	21.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.38	22.76	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.17	22.55	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.21	22.59	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.06	21.44	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.27	21.65	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.28	21.66	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.29	21.67	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.18	20.56	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.38	21.76	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.28	21.66	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.20	21.58	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.19	20.57	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.20	21.58	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.15	21.53	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.12	21.5	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.07	20.45	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	5.48	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.52	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.30	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.34	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.22	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.62	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.60	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.56	13	PASS



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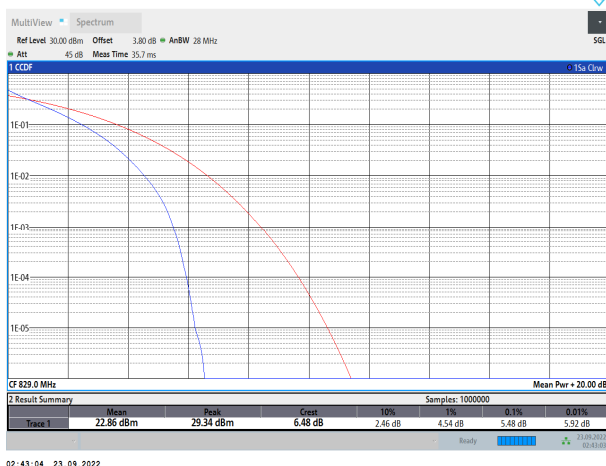
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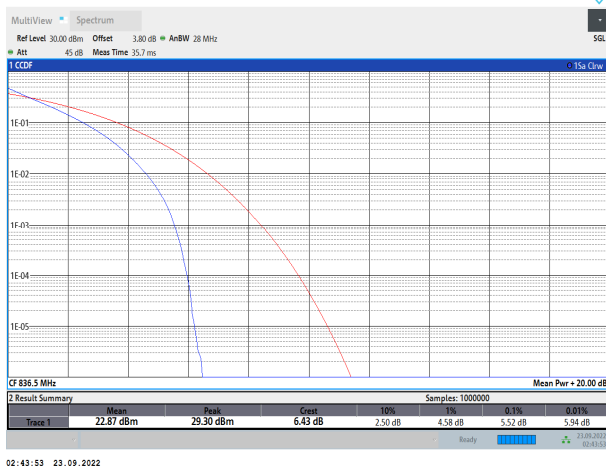
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Test Graphs

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



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



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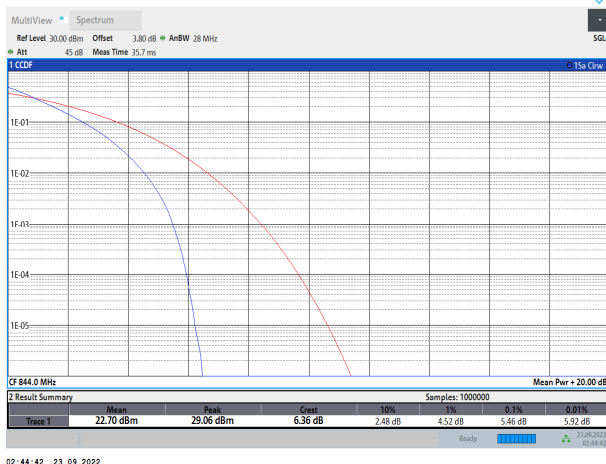
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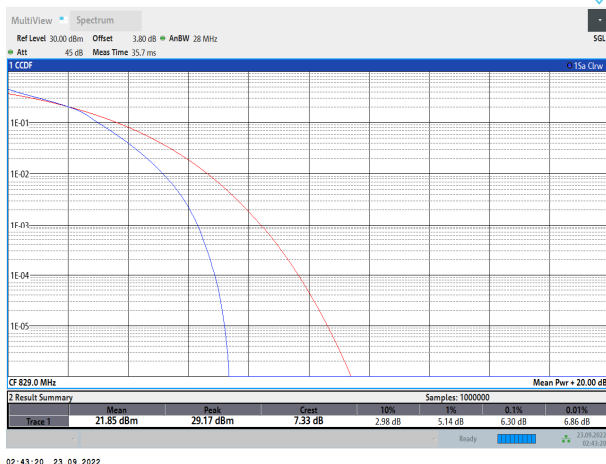
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Band5-10MHz-QPSK-20600-50RB#0



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



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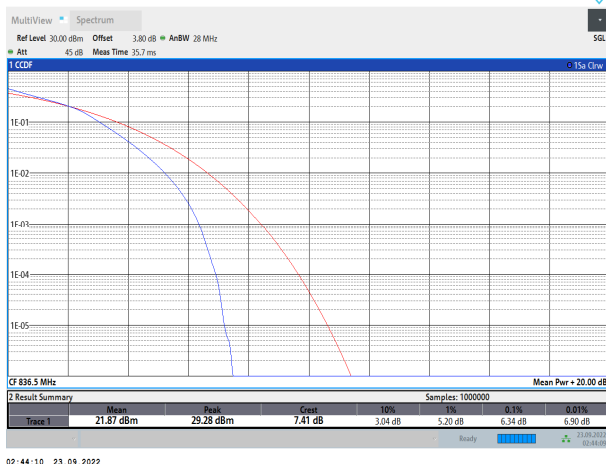
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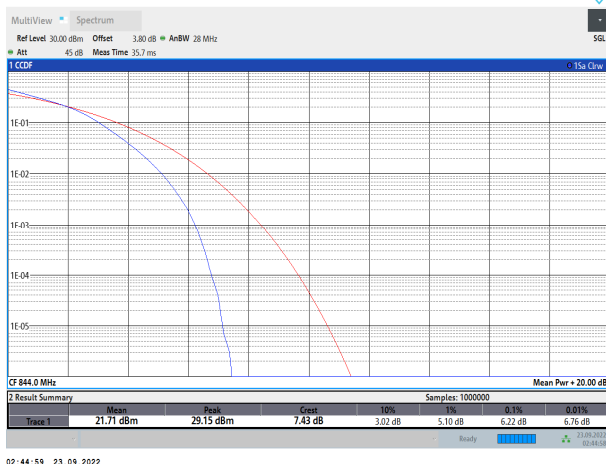
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Band5-10MHz-16QAM-20525-50RB#0



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



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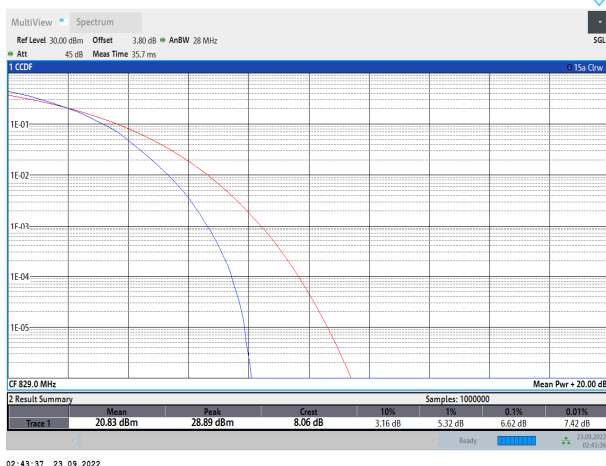
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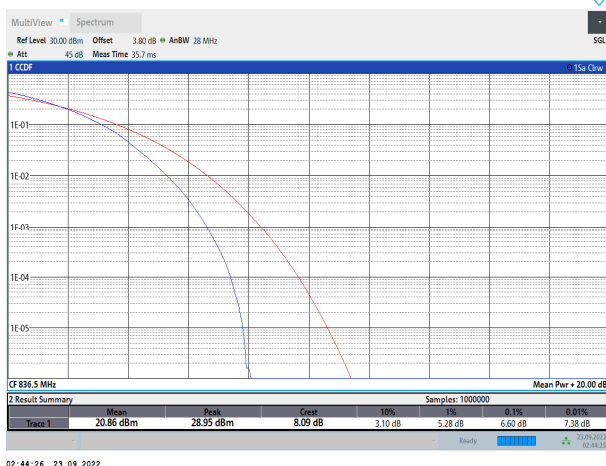
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Band5-10MHz-64QAM-20450-50RB#0



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



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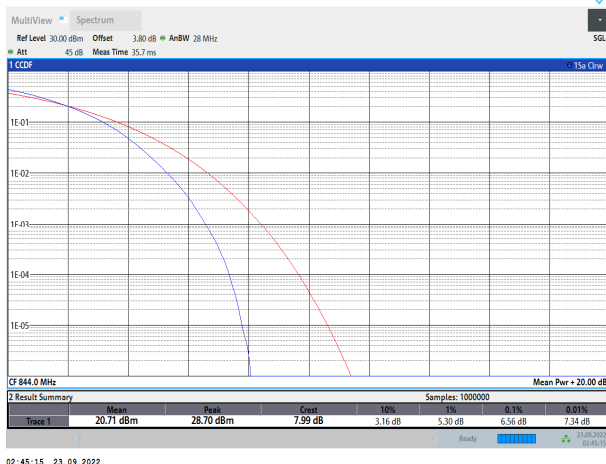
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Band5-10MHz-64QAM-20600-50RB#0



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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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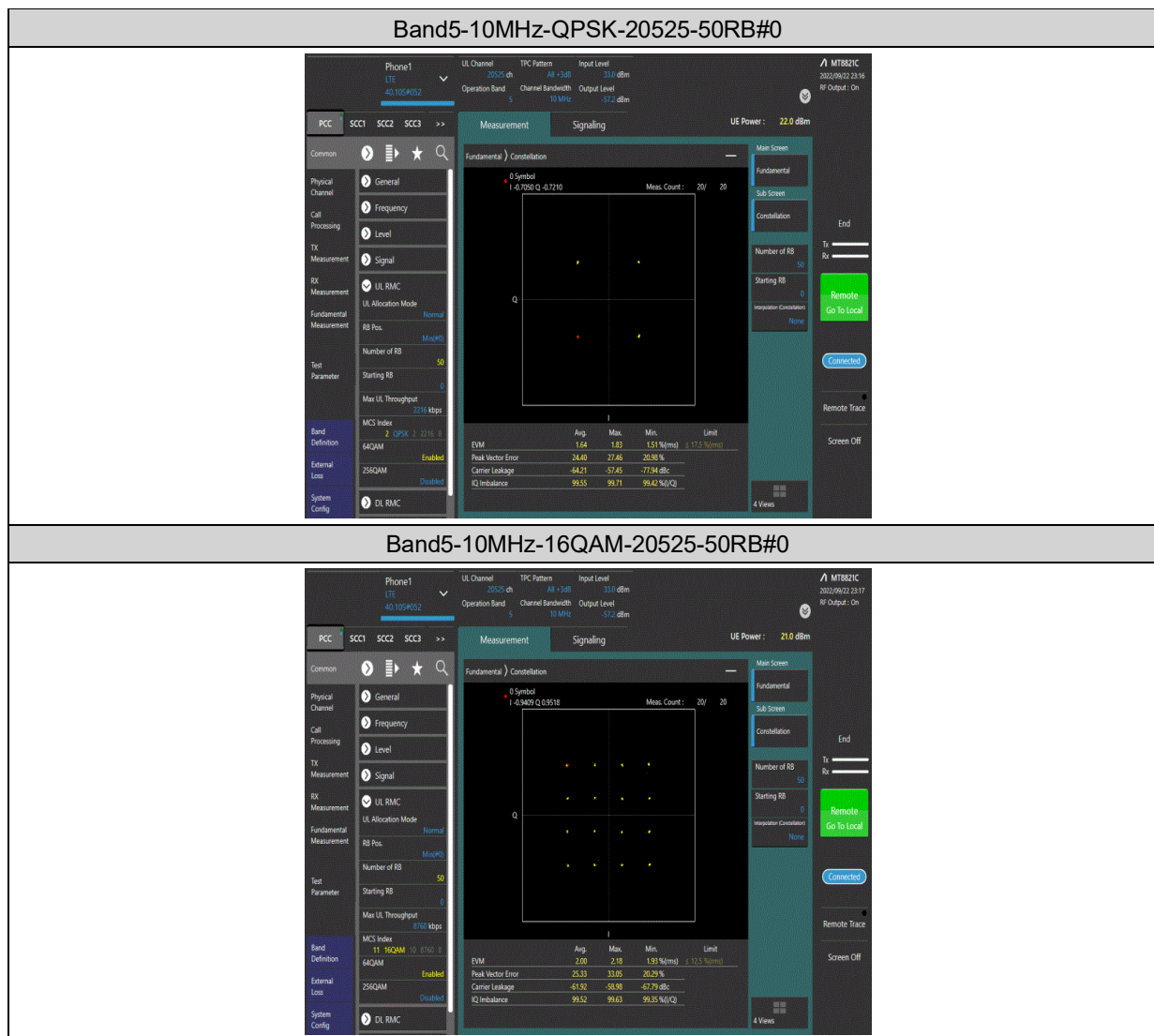
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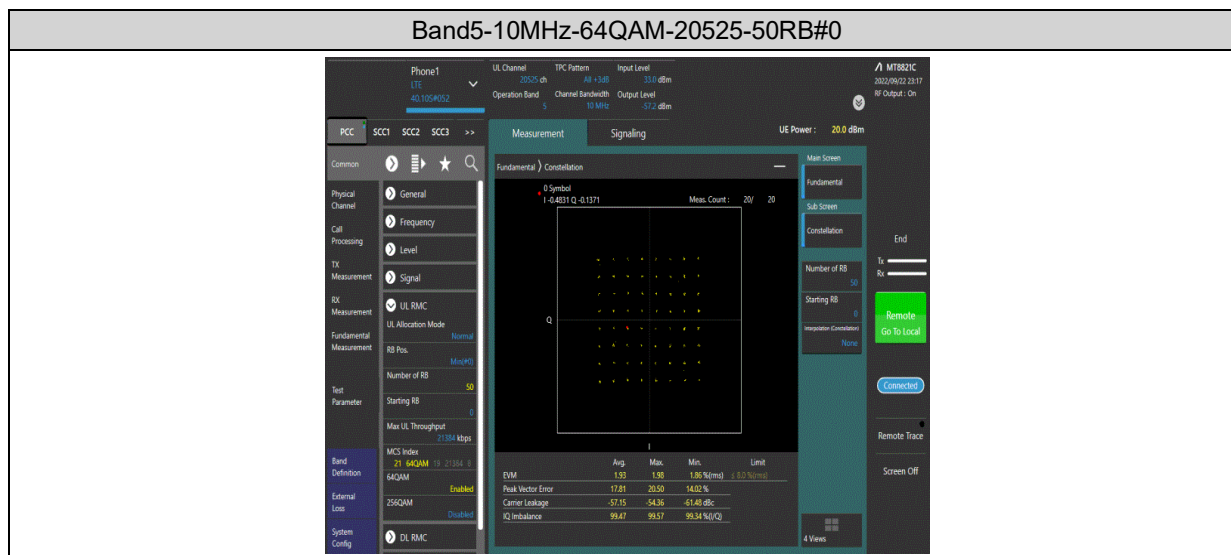
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Test Graphs





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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	1.085	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.086	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.086	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	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	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	2.697	2.99	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	2.99	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.699	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.687	2.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.688	2.99	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.693	2.99	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.694	2.96	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.69	2.97	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.687	2.98	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.474	4.90	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.90	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.47	4.89	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.472	4.90	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.469	4.90	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.90	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.483	4.91	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.482	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.484	4.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.915	9.64	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.943	9.60	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.918	9.60	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.66	PASS



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Band5	10MHz	16QAM	20600	50RB#0	8.9	9.60	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.923	9.62	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.935	9.64	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.91	9.62	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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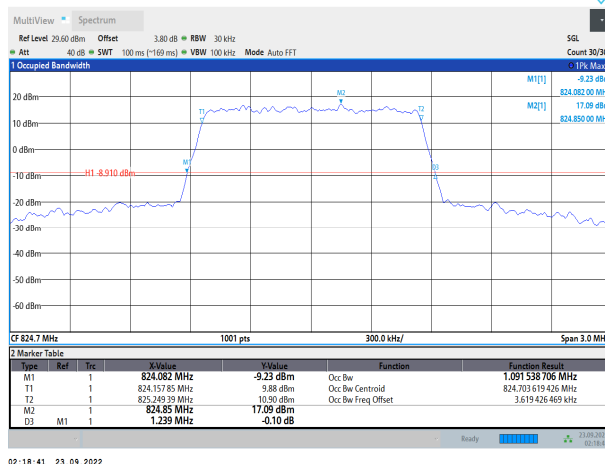
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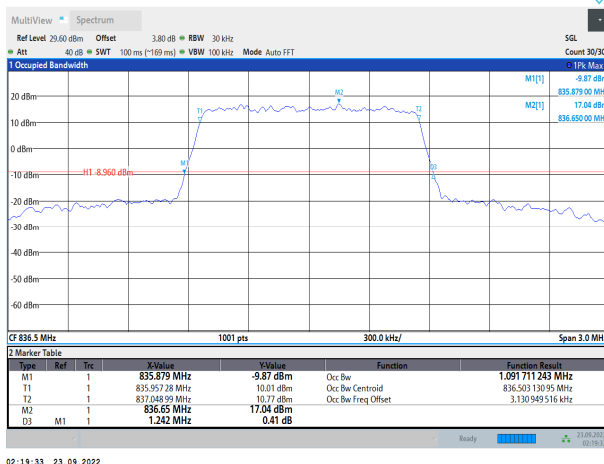


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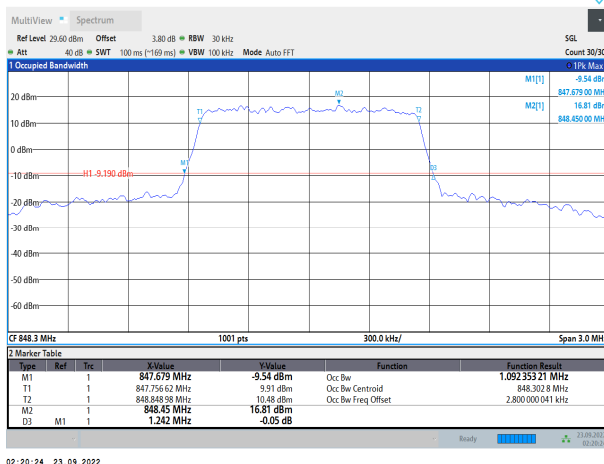
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Band5-1.4MHz-16QAM-20525-6RB#0



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



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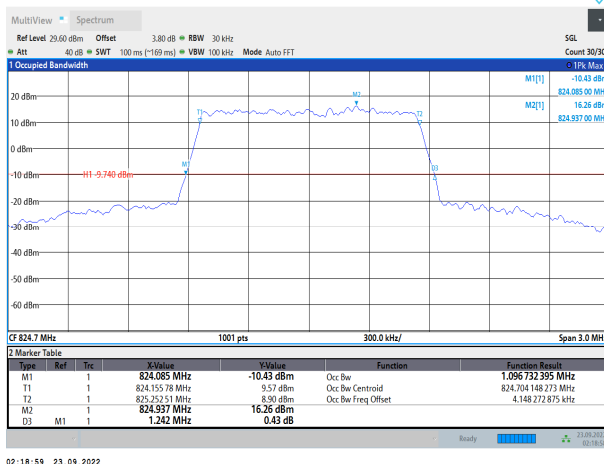
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Band5-1.4MHz-64QAM-20407-6RB#0



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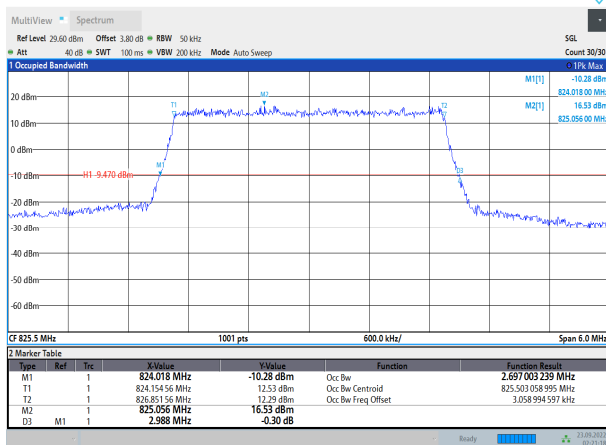
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Band5-3MHz-QPSK-20415-15RB#0



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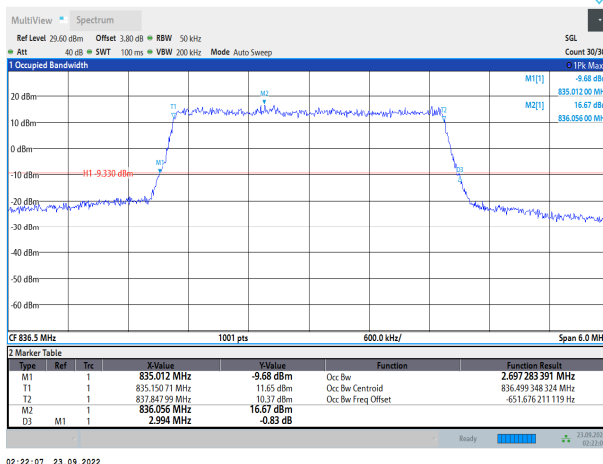
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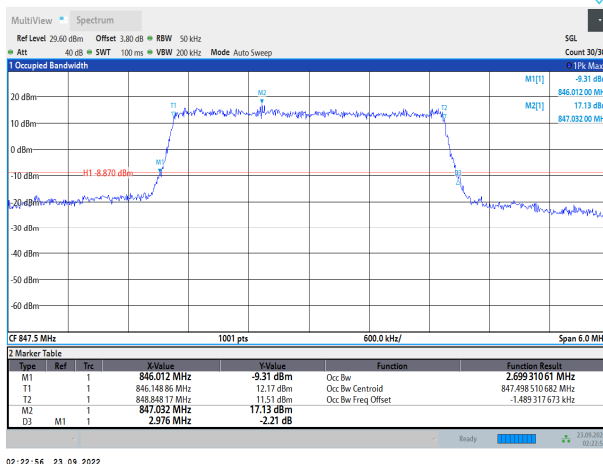
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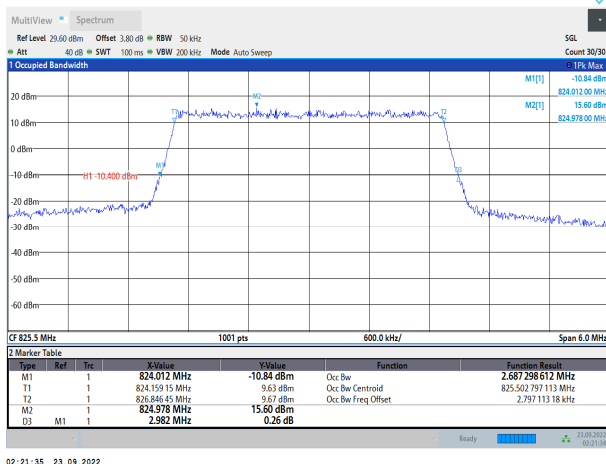


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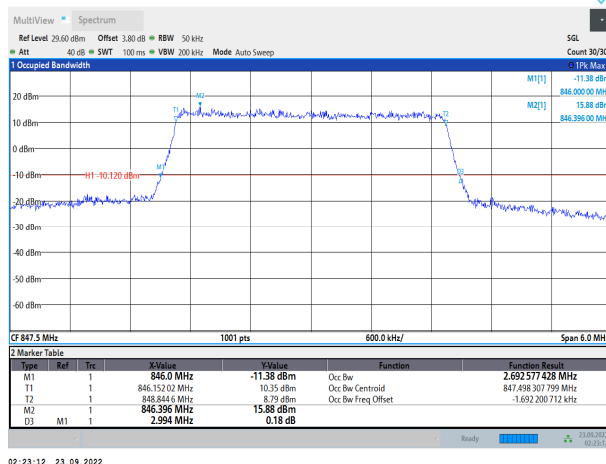


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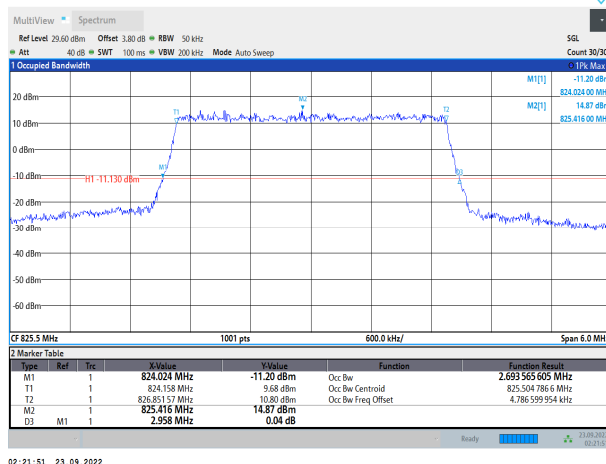
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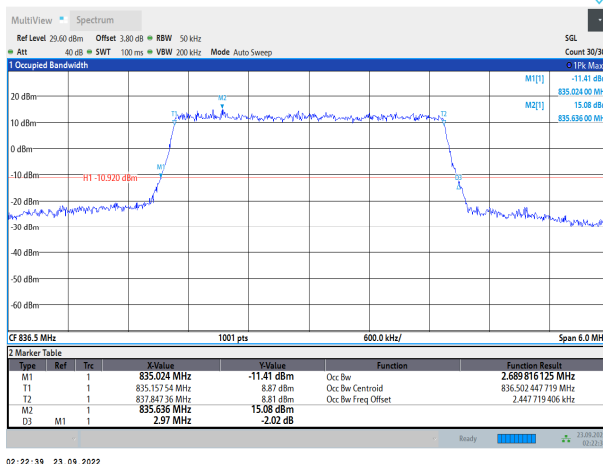
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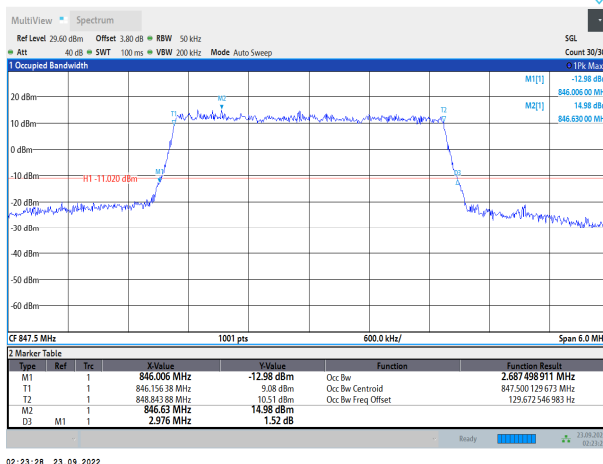
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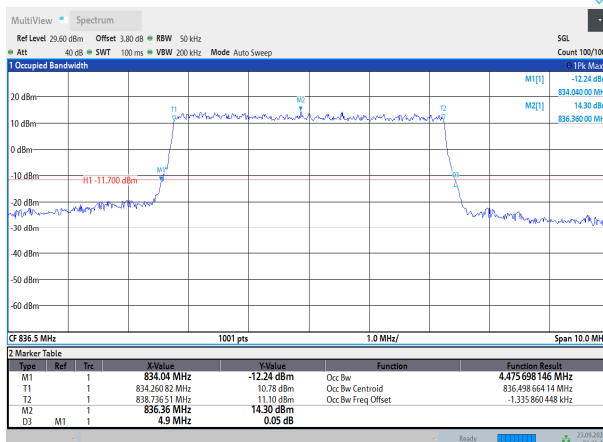
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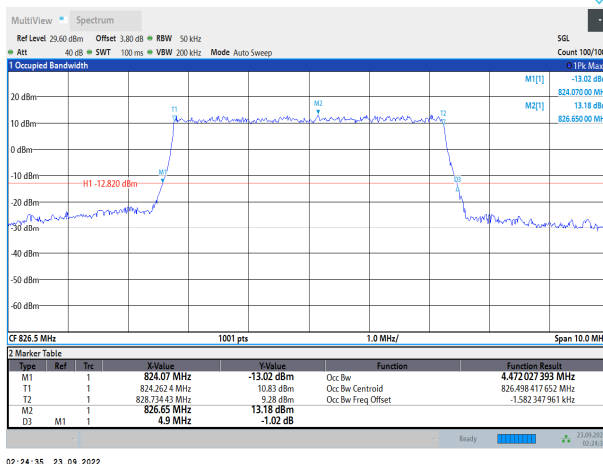
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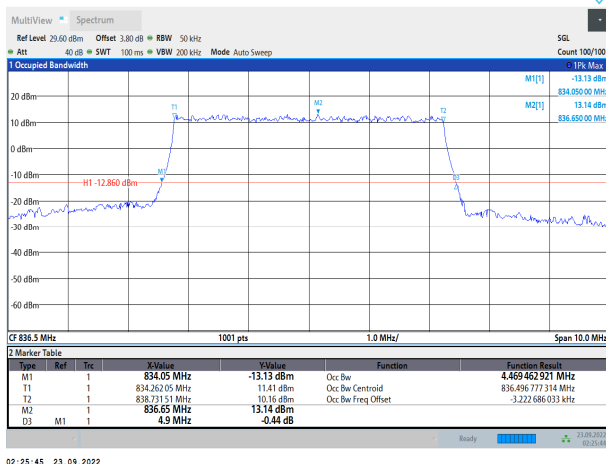


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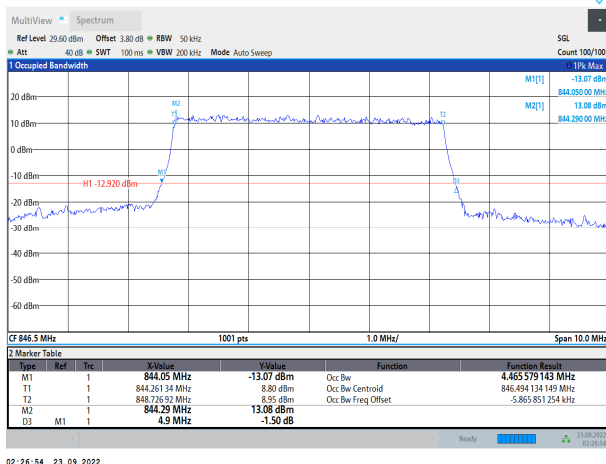
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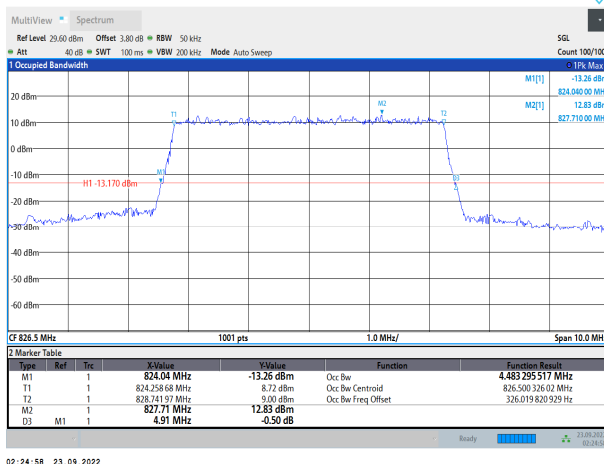
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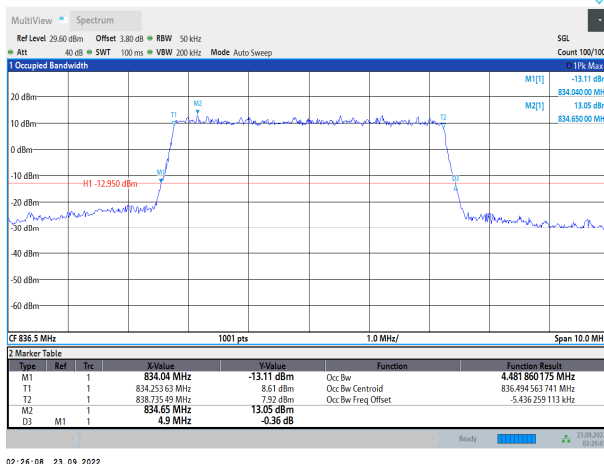
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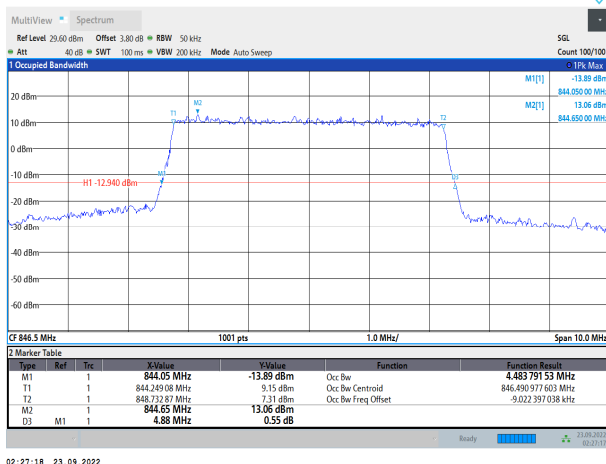
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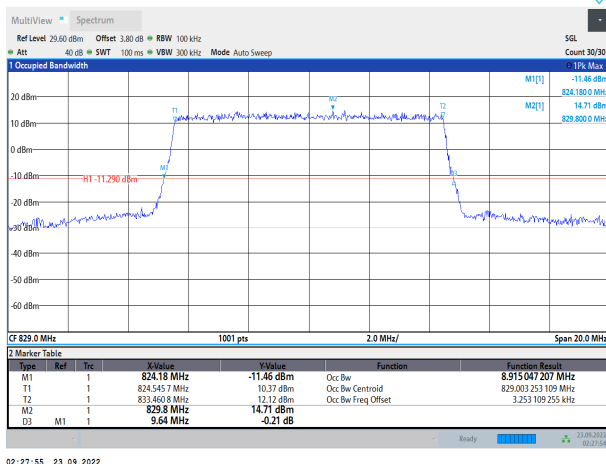
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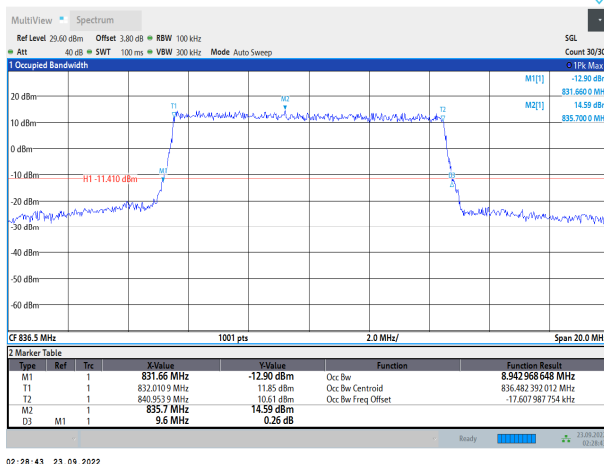


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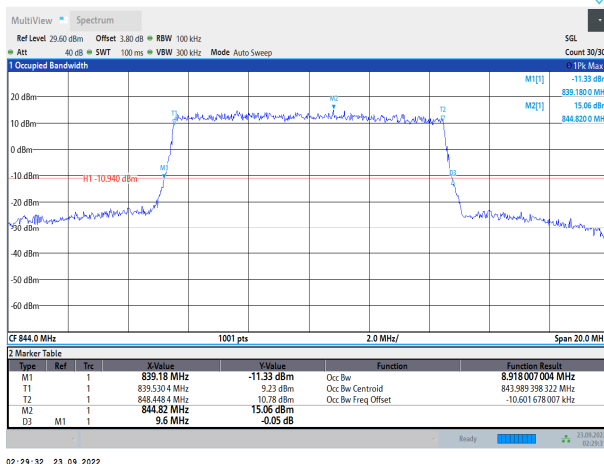
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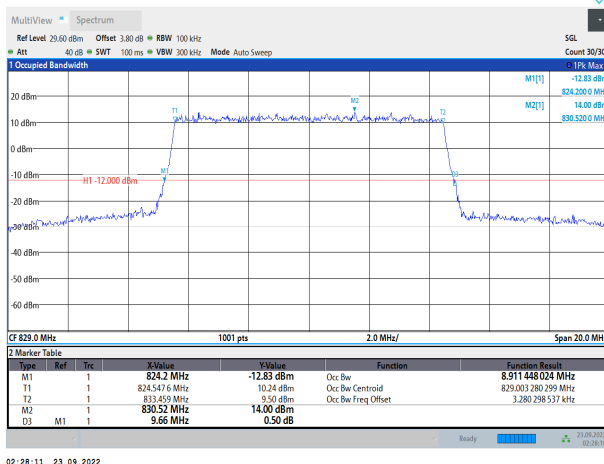
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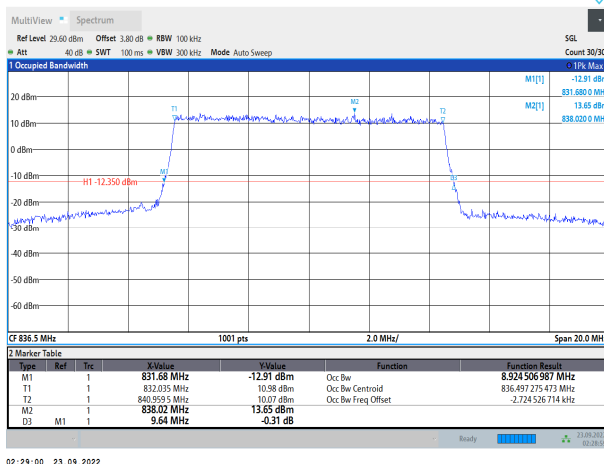
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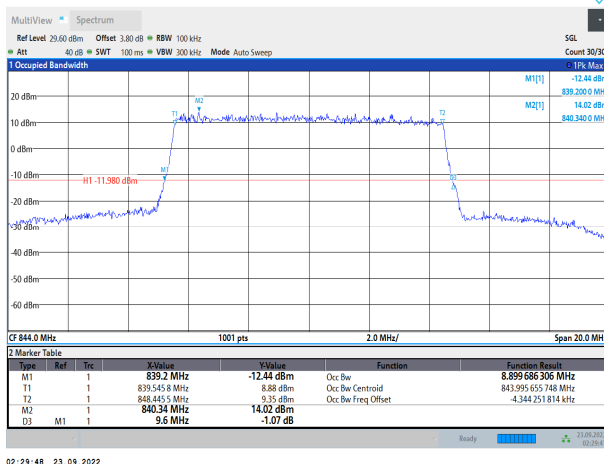
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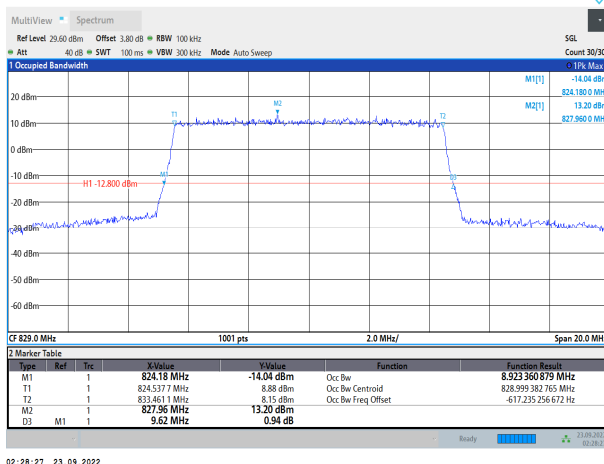
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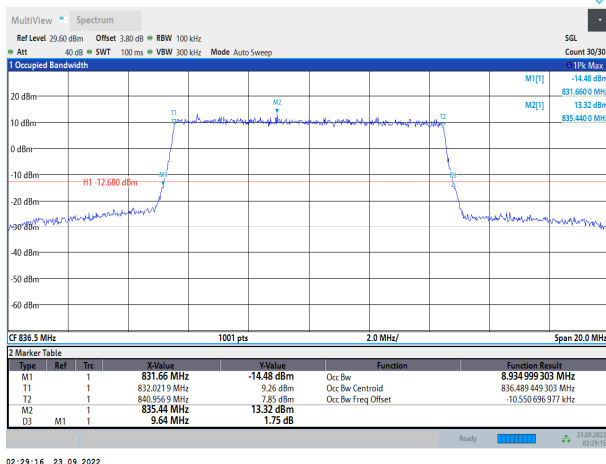
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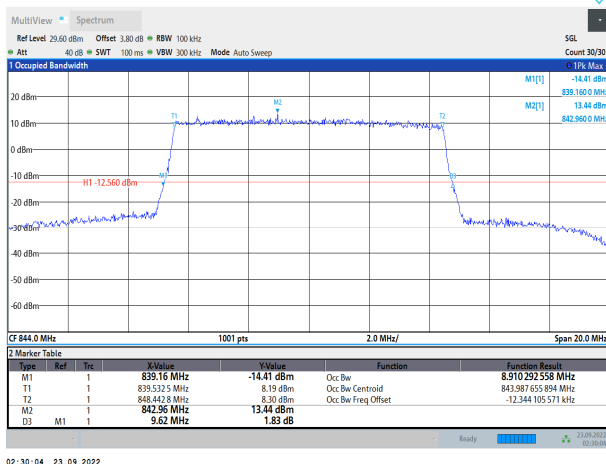
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Band5-10MHz-64QAM-20525-50RB#0



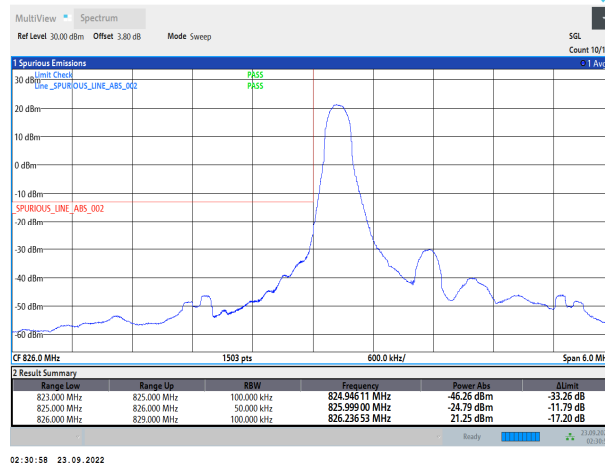
Band5-10MHz-64QAM-20600-50RB#0



Band Edge

Test Graphs

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



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



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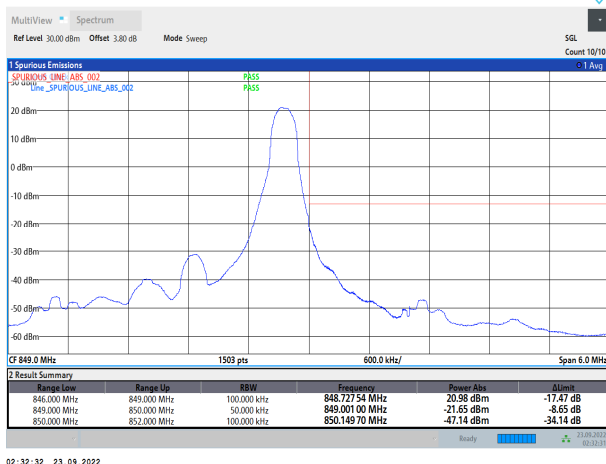
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Band5-1.4MHz-QPSK-20643-1RB#5



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



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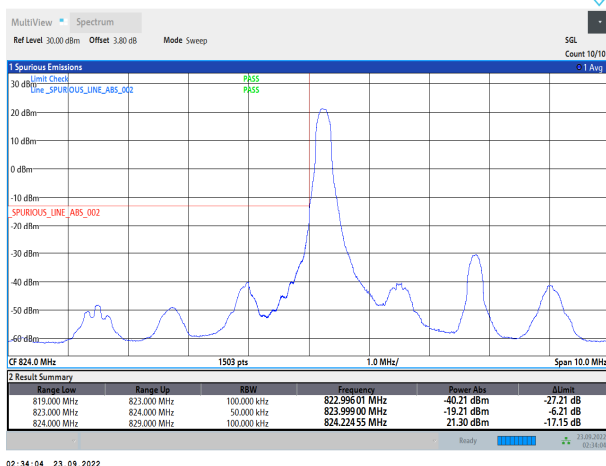
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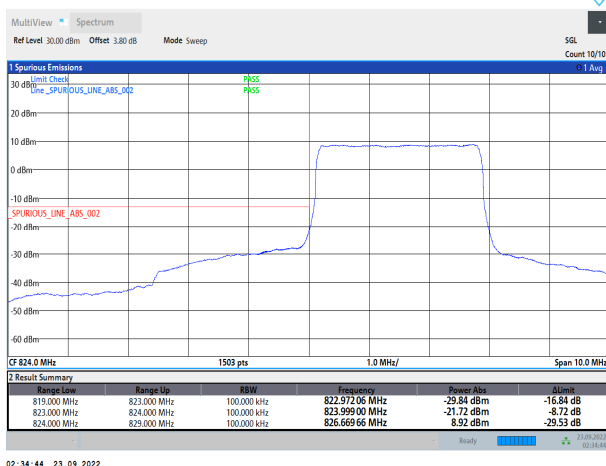
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Band5-3MHz-QPSK-20415-1RB#0



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



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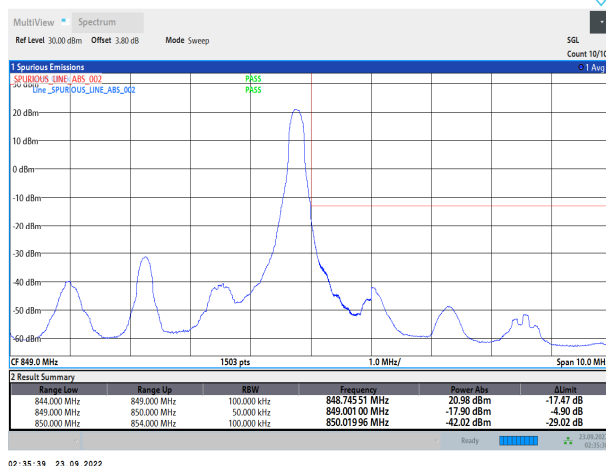
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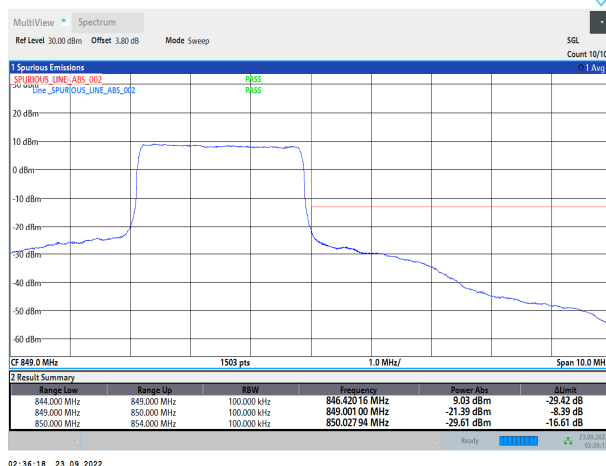
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Band5-3MHz-QPSK-20635-1RB#14



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



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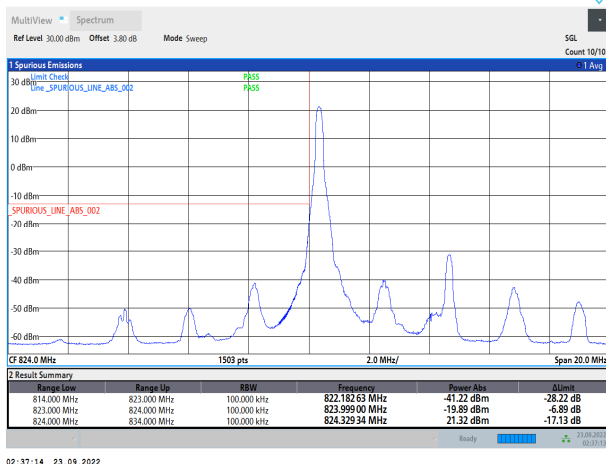
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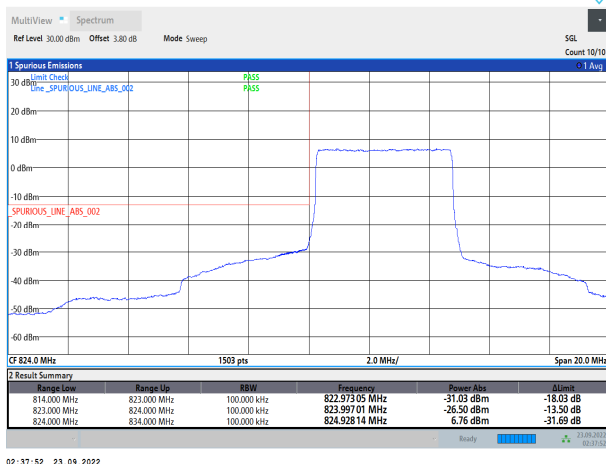
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Band5-5MHz-QPSK-20425-1RB#0



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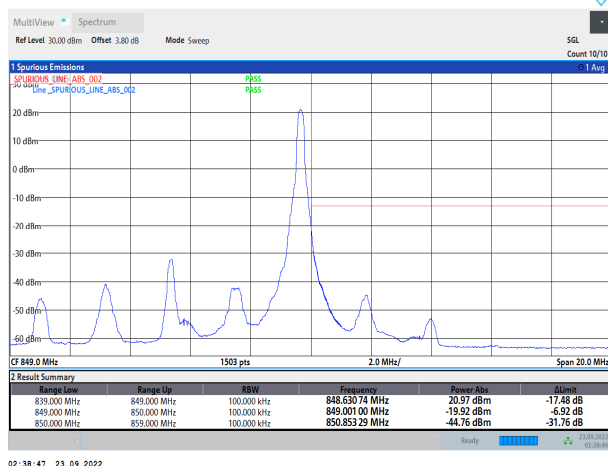
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Band5-5MHz-QPSK-20625-1RB#24



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



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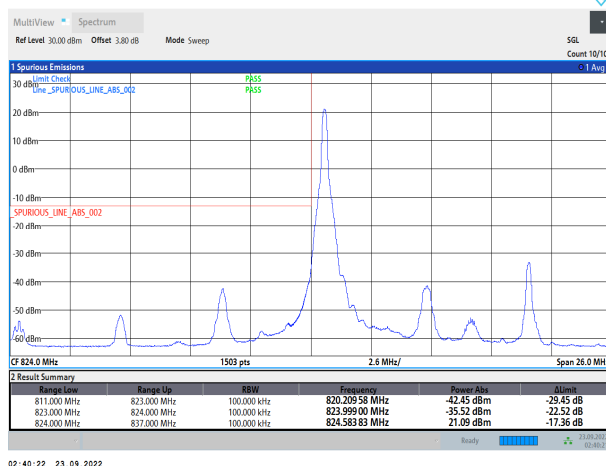
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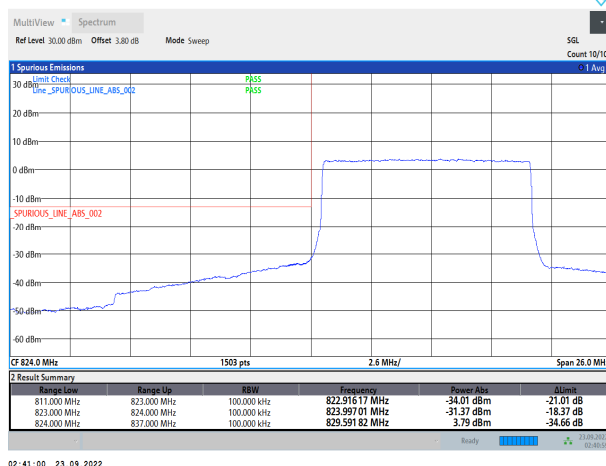
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Band5-10MHz-QPSK-20450-1RB#0



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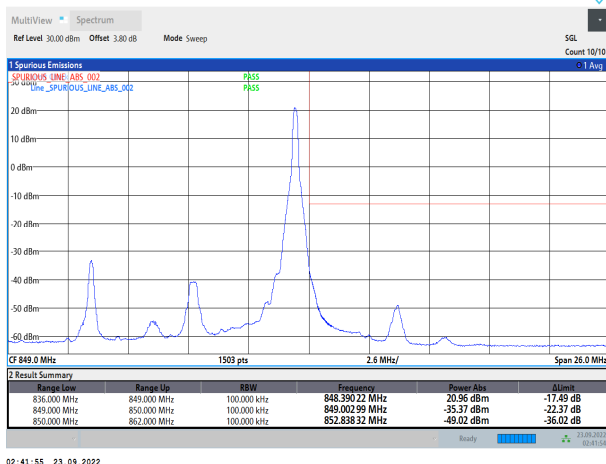
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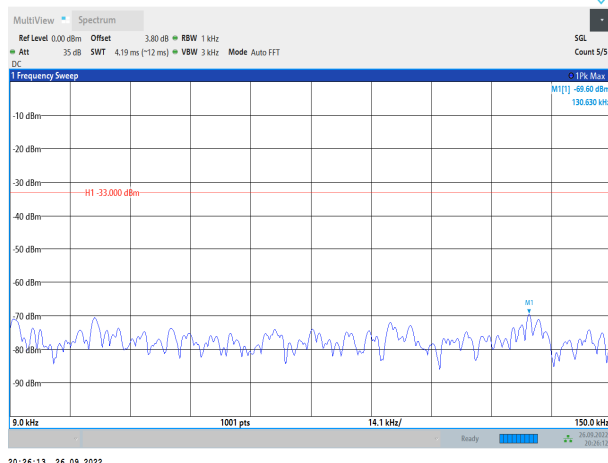
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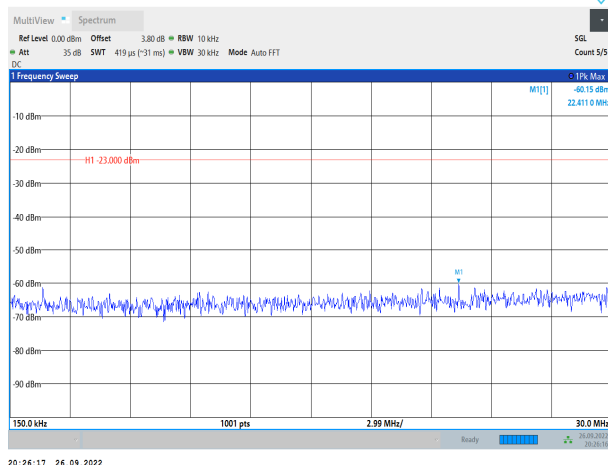
Conducted Spurious Emission

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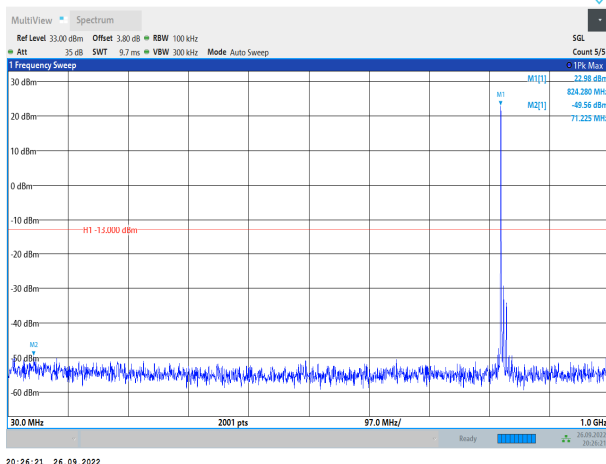
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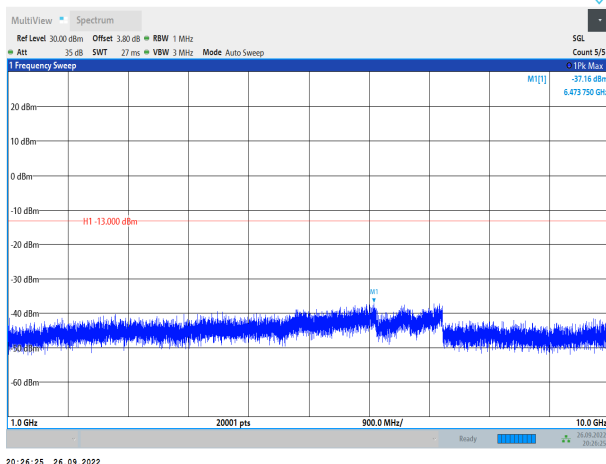
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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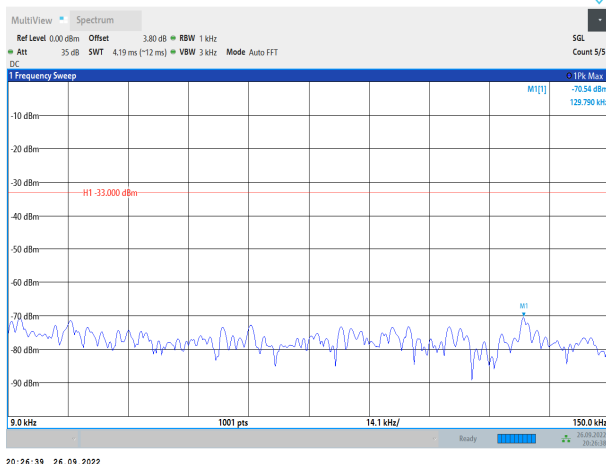
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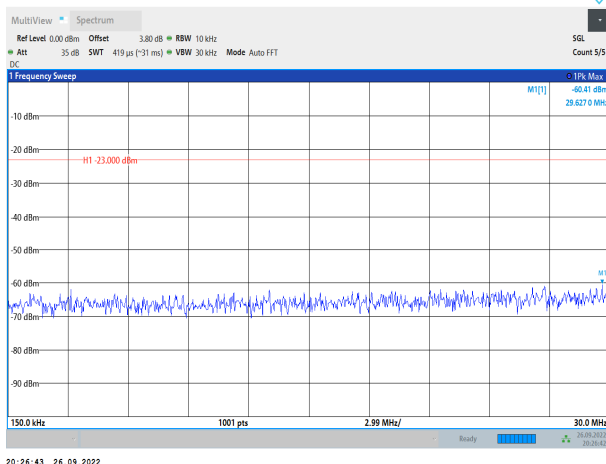
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



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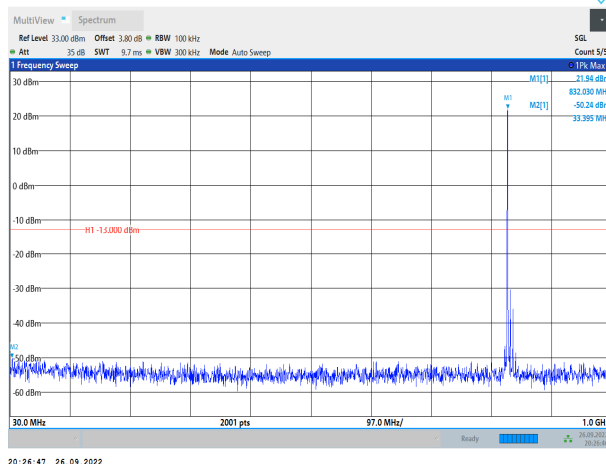
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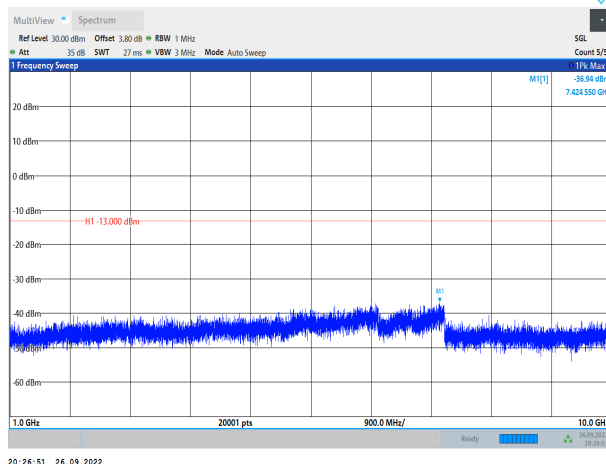
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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



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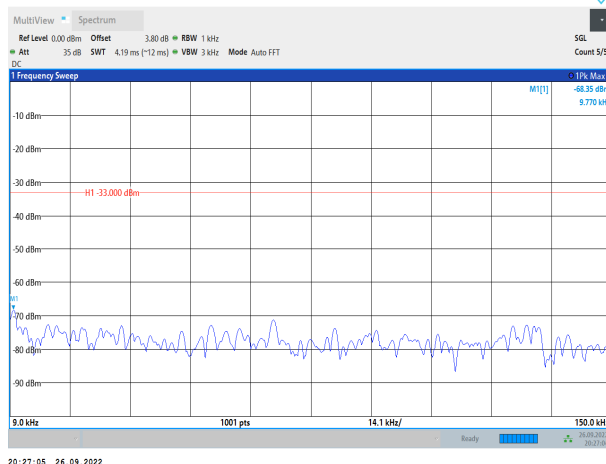
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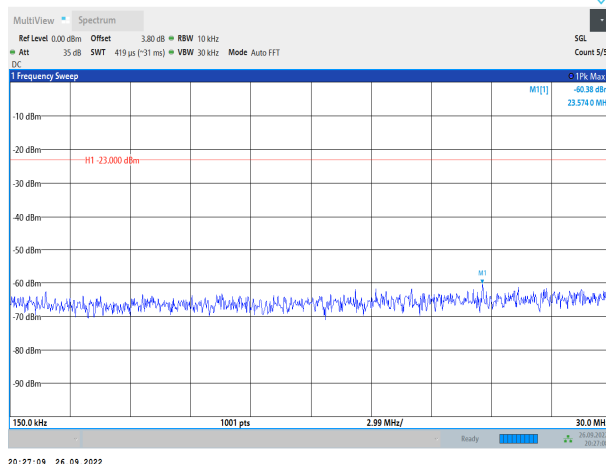
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



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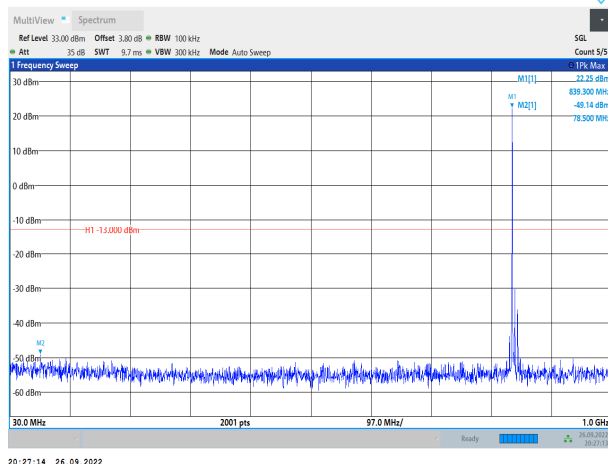
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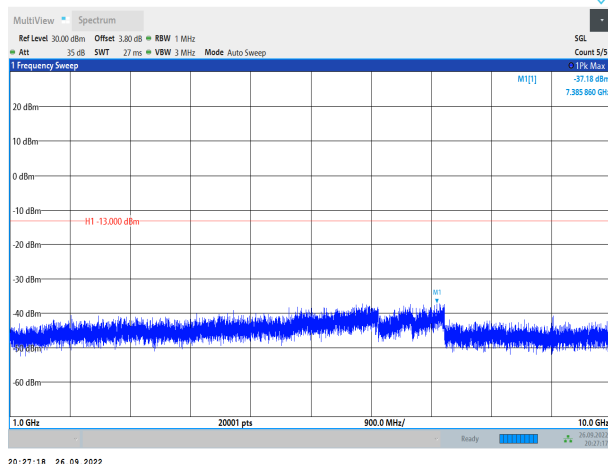
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 5_ 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	54.92	-48.22	25.37	-63.19	-13.00	50.19	169	293	Horizontal
2	2473.7700	52.32	-47.32	27.69	-62.57	-13.00	49.57	215	49	Horizontal
3	3298.3600	50.40	-46.68	29.56	-61.98	-13.00	48.98	226	2	Horizontal
4	4122.9500	49.28	-45.91	30.99	-60.91	-13.00	47.91	214	23	Horizontal
5	4947.5400	47.76	-45.69	32.73	-60.46	-13.00	47.46	156	279	Horizontal
6	5772.1300	47.33	-44.64	33.65	-58.92	-13.00	45.92	173	49	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	55.54	-48.22	25.37	-62.57	-13.00	49.57	169	202	Vertical
2	2473.7700	49.57	-47.32	27.69	-65.32	-13.00	52.32	215	269	Vertical
3	3298.3600	50.99	-46.68	29.56	-61.39	-13.00	48.39	226	40	Vertical
4	4122.9500	48.78	-45.91	30.99	-61.41	-13.00	48.41	234	354	Vertical
5	4947.5400	48.12	-45.69	32.73	-60.10	-13.00	47.10	172	214	Vertical
6	5772.1300	47.92	-44.64	33.65	-58.33	-13.00	45.33	158	133	Vertical



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Test Band = LTE Band 5_ 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	58.68	-48.20	25.38	-59.41	-13.00	46.41	164	120	Horizontal
2	2496.2700	51.74	-47.28	27.76	-63.04	-13.00	50.04	156	240	Horizontal
3	3328.3600	49.84	-46.64	29.52	-62.54	-13.00	49.54	215	307	Horizontal
4	4160.4500	48.17	-45.94	31.04	-61.99	-13.00	48.99	227	254	Horizontal
5	4992.5400	48.72	-45.79	32.86	-59.47	-13.00	46.47	253	357	Horizontal
6	5824.6300	47.27	-44.74	33.80	-58.93	-13.00	45.93	196	200	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	59.41	-48.20	25.38	-58.68	-13.00	45.68	142	347	Vertical
2	2496.2700	50.23	-47.28	27.76	-64.55	-13.00	51.55	158	281	Vertical
3	3328.3600	49.54	-46.64	29.52	-62.84	-13.00	49.84	197	322	Vertical
4	4160.4500	49.05	-45.94	31.04	-61.11	-13.00	48.11	216	360	Vertical
5	4992.5400	48.12	-45.79	32.86	-60.07	-13.00	47.07	235	214	Vertical
6	5824.6300	47.92	-44.74	33.80	-58.28	-13.00	45.28	226	134	Vertical



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Test Band = LTE Band 5_ 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	56.58	-48.18	25.38	-61.48	-13.00	48.48	163	197	Horizontal
2	2518.7700	56.58	-47.21	27.83	-58.05	-13.00	45.05	215	6	Horizontal
3	3358.3600	50.05	-46.60	29.48	-62.33	-13.00	49.33	172	252	Horizontal
4	4197.9500	50.77	-45.96	31.10	-59.35	-13.00	46.35	179	117	Horizontal
5	5037.5400	48.13	-45.65	32.90	-59.88	-13.00	46.88	251	356	Horizontal
6	5887.1300	47.53	-44.93	33.92	-58.74	-13.00	45.74	229	130	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	54.47	-48.18	25.38	-63.59	-13.00	50.59	163	320	Vertical
2	2518.7700	51.37	-47.21	27.83	-63.26	-13.00	50.26	216	38	Vertical
3	3358.3600	49.56	-46.60	29.48	-62.82	-13.00	49.82	172	159	Vertical
4	4197.9500	48.26	-45.96	31.10	-61.86	-13.00	48.86	194	106	Vertical
5	5037.5400	47.30	-45.65	32.90	-60.71	-13.00	47.71	182	185	Vertical
6	5887.1300	48.36	-44.93	33.92	-57.91	-13.00	44.91	117	78	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	1.60	0.001913	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.70	-0.003228	±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	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.60	-0.003108	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-4.90	-0.005858	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-5.60	-0.006695	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.50	-0.005380	±2.5	PASS

---End of Attachment---



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