Appendix

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.48	23.94	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.41	23.87	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.49	23.95	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.67	23.13	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.48	23.94	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.33	23.79	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.38	23.84	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.52	22.98	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.32	23.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.48	23.94	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.44	23.90	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.56	23.02	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.71	23.17	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.87	23.33	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.67	23.13	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.67	22.13	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.62	23.08	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.77	23.23	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.69	23.15	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.64	22.10	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.70	23.16	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.69	23.15	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.58	23.04	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.57	22.03	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.76	22.22	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.79	22.25	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.77	22.23	34.77	PASS

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Band12	1.4MHz	64QAM	23017	6RB#0	21.73	21.19	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.76	22.22	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.69	22.15	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.75	22.21	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.64	21.10	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.69	22.15	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.78	22.24	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.61	22.07	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.59	21.05	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	19.79	19.25	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	19.83	19.29	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	19.61	19.07	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	19.72	19.18	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	19.63	19.09	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	19.65	19.11	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	19.64	19.10	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	19.61	19.07	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	19.60	19.06	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	19.64	19.10	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	19.62	19.08	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	19.53	18.99	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.44	23.90	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.36	23.82	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.31	23.77	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.67	23.13	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.48	23.94	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.36	23.82	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.49	23.95	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.61	23.07	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.41	23.87	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.39	23.85	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.49	23.95	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.57	23.03	34.77	PASS

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Band12	3MHz	16QAM	23025	1RB#0	23.71	23.17	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.79	23.25	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.56	23.02	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.68	22.14	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.60	23.06	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.74	23.20	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.58	23.04	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.61	22.07	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.68	23.14	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.71	23.17	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.54	23.00	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.55	22.01	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	22.79	22.25	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	22.84	22.30	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.74	22.20	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.69	21.15	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.68	22.14	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.74	22.20	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.59	22.05	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.54	21.00	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.69	22.15	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.75	22.21	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.74	22.20	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.61	21.07	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#0	19.76	19.22	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	19.81	19.27	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	19.62	19.08	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	19.73	19.19	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	19.61	19.07	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	19.71	19.17	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	19.63	19.09	34.77	PASS
Band12	3MHz	256QAM	23095	15RB#0	19.64	19.10	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#0	19.54	19.00	34.77	PASS

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Band12	3MHz	256QAM	23165	1RB#8	19.81	19.27	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	19.56	19.02	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	19.52	18.98	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.48	23.94	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.33	23.79	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.41	23.87	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.72	23.18	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.44	23.90	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.33	23.79	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.30	23.76	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.66	23.12	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.45	23.91	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.48	23.94	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.14	23.60	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.58	23.04	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.62	23.08	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.94	23.40	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.84	23.30	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.78	22.24	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.57	23.03	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.62	23.08	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.60	23.06	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.63	22.09	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.61	23.07	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.63	23.09	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.53	22.99	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.64	22.10	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.68	22.14	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.75	22.21	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.75	22.21	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.66	21.12	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.65	22.11	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.77	22.23	34.77	PASS

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Band12	5MHz	64QAM	23095	1RB#24	22.68	22.14	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.63	21.09	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.69	22.15	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.69	22.15	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.64	22.10	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.58	21.04	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	19.70	19.16	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	19.85	19.31	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	19.68	19.14	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	19.71	19.17	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	19.57	19.03	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	19.66	19.12	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	19.61	19.07	34.77	PASS
Band12	5MHz	256QAM	23095	25RB#0	19.60	19.06	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#0	19.61	19.07	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	19.67	19.13	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	19.57	19.03	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	19.55	19.01	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.36	23.82	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.49	23.95	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.44	23.90	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.71	23.17	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.42	23.88	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.44	23.90	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.43	23.89	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.68	23.14	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.41	23.87	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.48	23.94	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.38	23.84	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.53	22.99	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.79	23.25	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.79	23.25	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.61	23.07	34.77	PASS

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Band12	10MHz	16QAM	23060	50RB#0	22.65	22.11	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.68	23.14	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.70	23.16	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.58	23.04	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.67	22.13	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.76	23.22	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.53	22.99	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.53	22.99	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.60	22.06	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.83	22.29	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.83	22.29	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.71	22.17	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.72	21.18	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.83	22.29	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.70	22.16	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.65	22.11	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.67	21.13	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.78	22.24	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.72	22.18	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.65	22.11	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.45	20.91	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	19.68	19.14	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	19.77	19.23	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	19.70	19.16	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	19.66	19.12	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#0	19.69	19.15	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	19.72	19.18	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	19.69	19.15	34.77	PASS
Band12	10MHz	256QAM	23095	50RB#0	19.64	19.10	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	19.71	19.17	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	19.67	19.13	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	19.69	19.15	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	19.49	18.95	34.77	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.16	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.32	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.34	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.06	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.10	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.18	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.48	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.52	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.56	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.64	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.68	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.70	13	PASS

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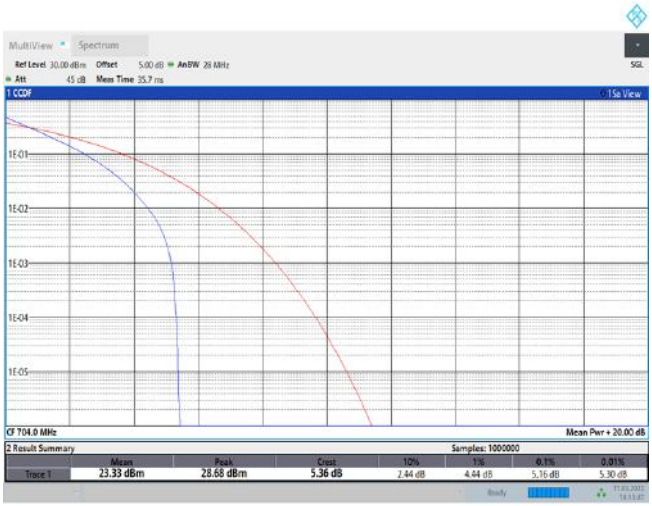
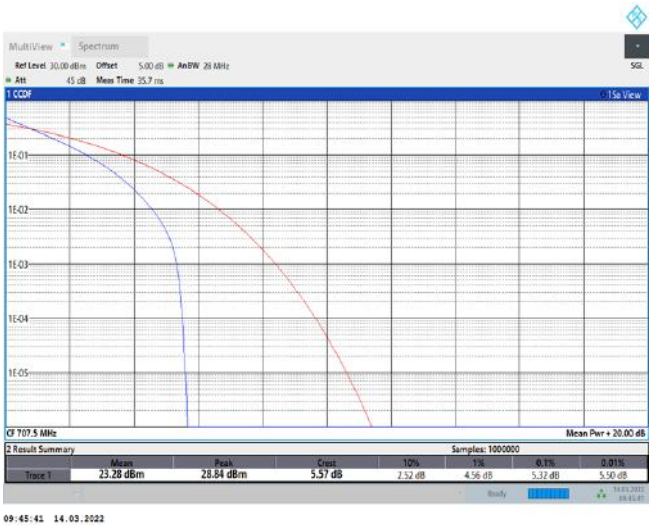
Test Graphs

Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-50RB#0



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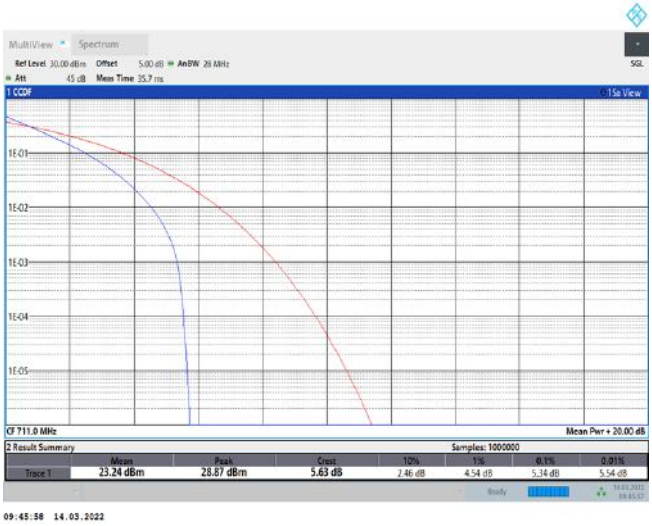
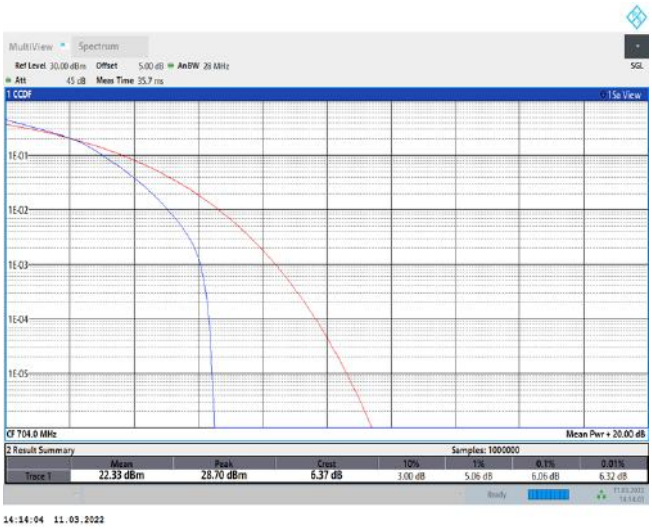
Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-50RB#0



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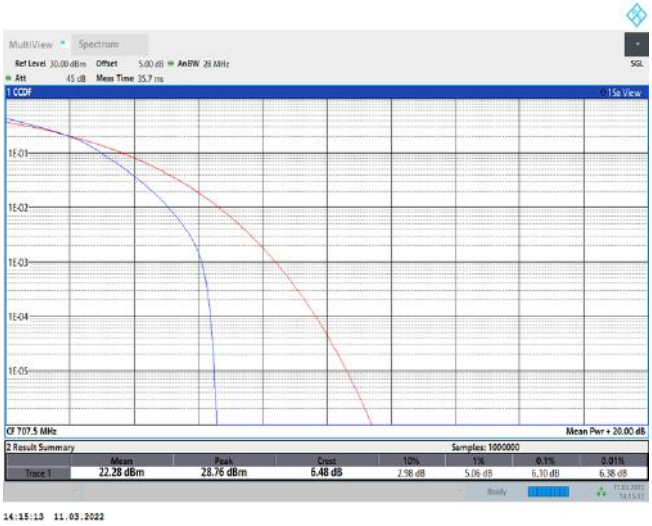
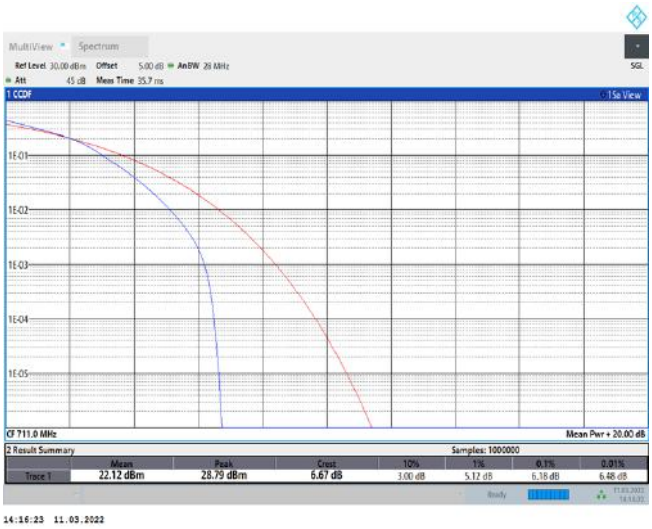
Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



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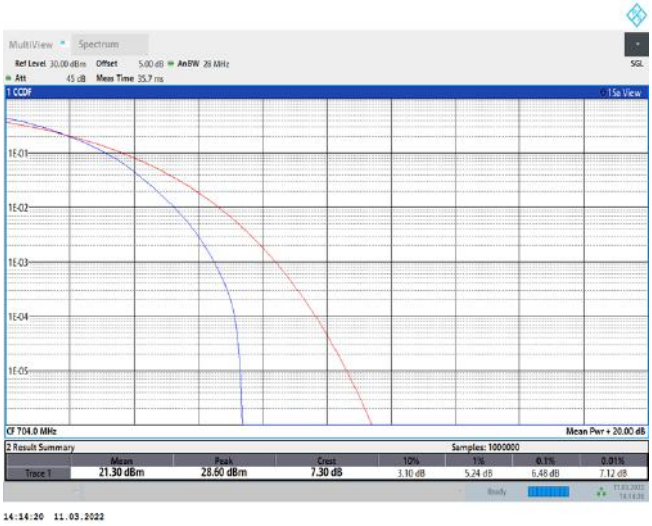
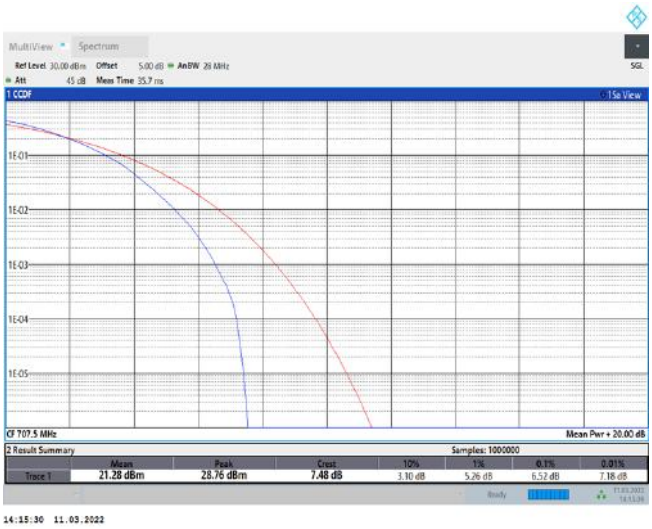
Band12-10MHz-64QAM-23060-50RB#0



Band12-10MHz-64QAM-23095-50RB#0



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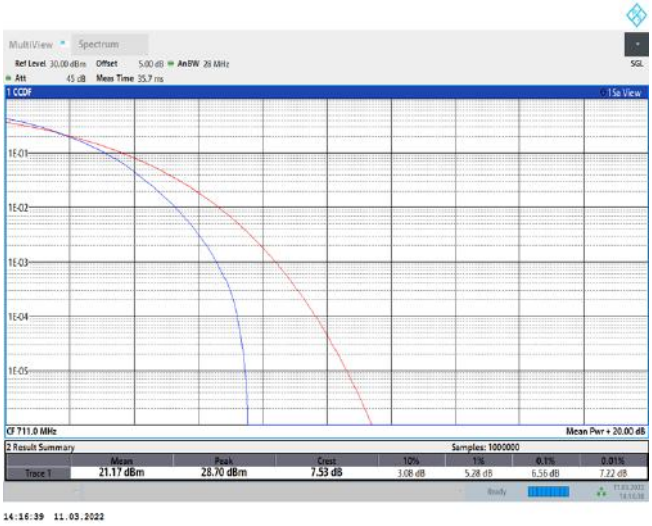
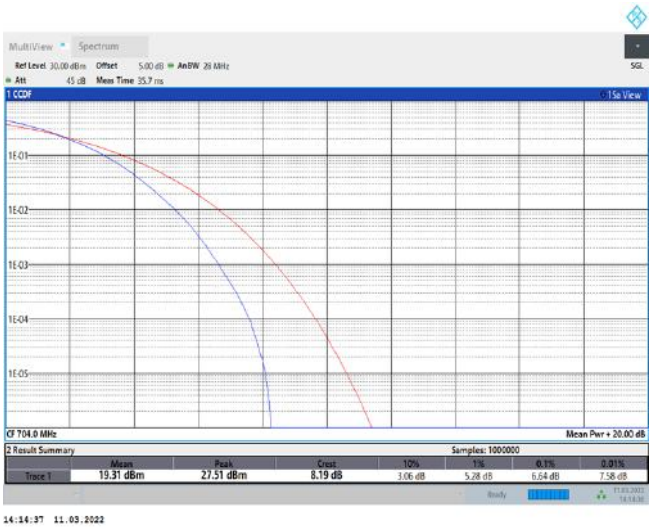
Band12-10MHz-64QAM-23130-50RB#0



Band12-10MHz-256QAM-23060-50RB#0



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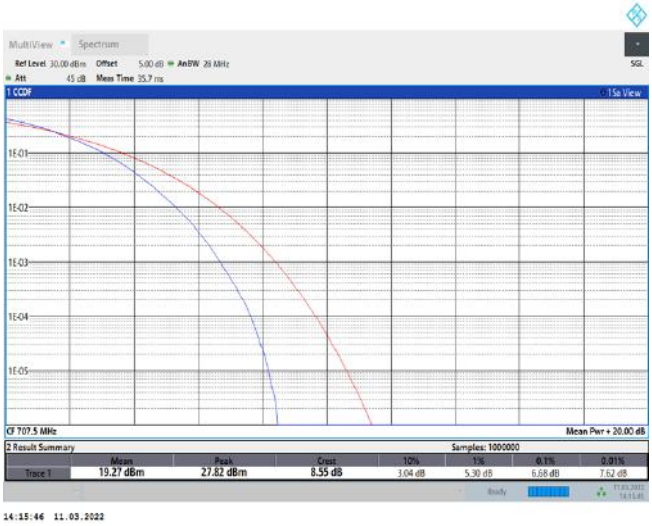
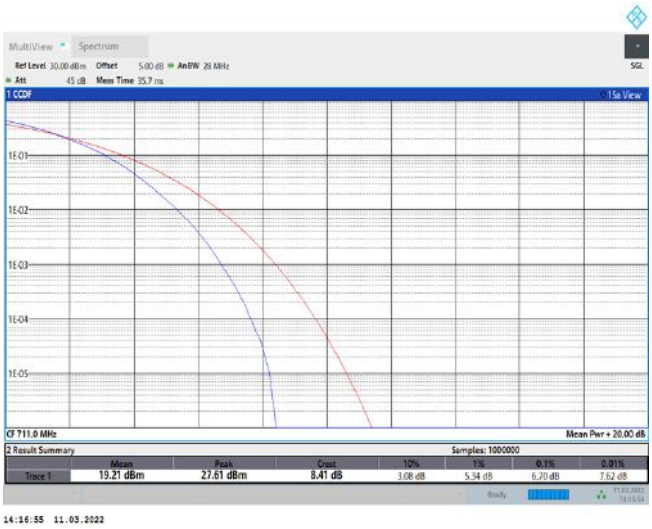


Band12-10MHz-256QAM-23130-50RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	64QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	256QAM	23095	50RB#0	PASS	PASS

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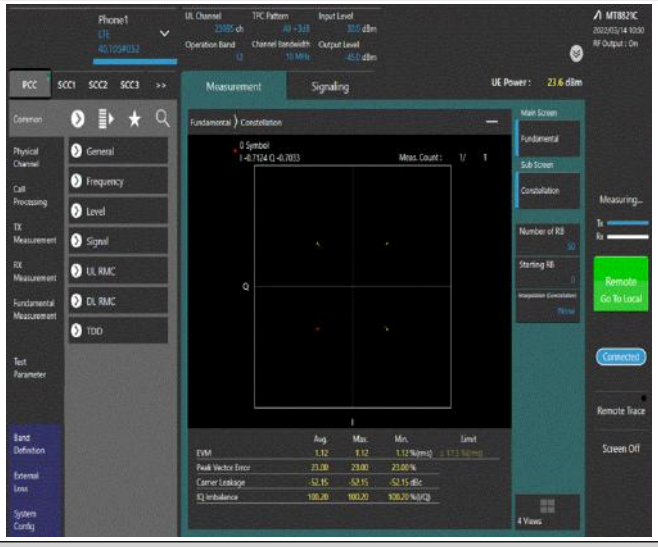
Test Graphs

Band12-10MHz-QPSK-23095-50RB#0

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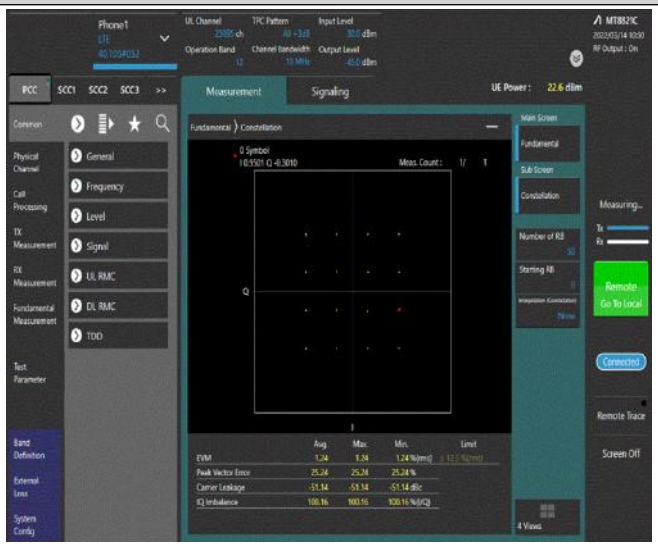

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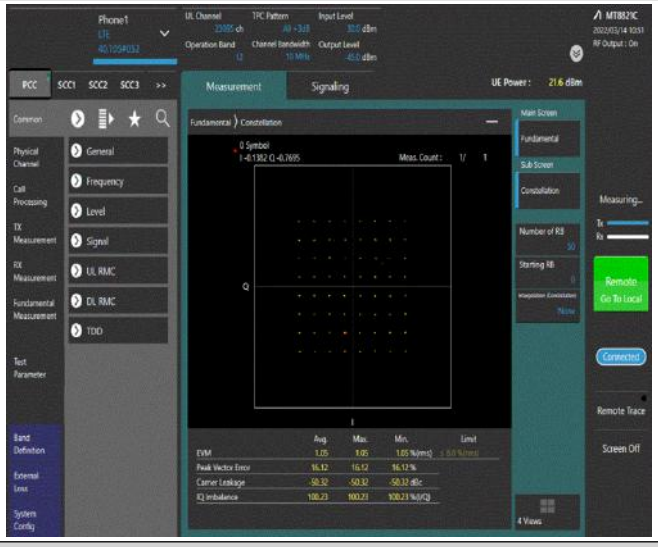

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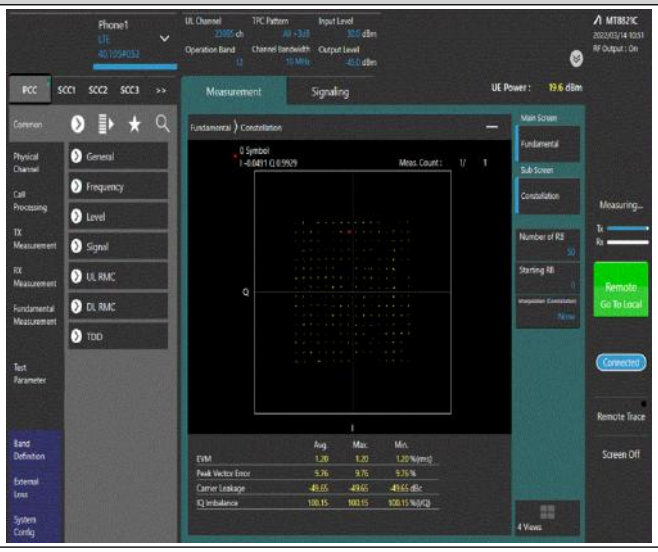

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.106	1.39	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.108	1.38	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.107	1.37	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.106	1.38	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.106	1.37	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.104	1.38	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.107	1.38	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.104	1.37	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.109	1.39	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	1.105	1.38	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.107	1.40	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	1.103	1.39	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.700	3.07	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.695	3.02	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.700	3.05	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.695	3.05	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.692	3.04	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.695	3.07	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.703	3.04	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.697	3.06	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.700	3.07	PASS
Band12	3MHz	256QAM	23025	15RB#0	2.694	3.06	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.693	3.04	PASS
Band12	3MHz	256QAM	23165	15RB#0	2.699	3.06	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.484	5.08	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.473	5.04	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	5.04	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.482	5.03	PASS

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Band12	5MHz	16QAM	23095	25RB#0	4.475	5.01	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.474	5.01	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.479	5.01	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.475	5.01	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.479	5.00	PASS
Band12	5MHz	256QAM	23035	25RB#0	4.478	5.06	PASS
Band12	5MHz	256QAM	23095	25RB#0	4.478	5.05	PASS
Band12	5MHz	256QAM	23155	25RB#0	4.48	5.08	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.922	9.68	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.938	9.80	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.938	9.86	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.922	9.78	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.933	9.88	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.937	9.86	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.917	9.82	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.935	9.84	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.945	9.80	PASS
Band12	10MHz	256QAM	23060	50RB#0	8.92	9.80	PASS
Band12	10MHz	256QAM	23095	50RB#0	8.937	9.78	PASS
Band12	10MHz	256QAM	23130	50RB#0	8.94	9.82	PASS

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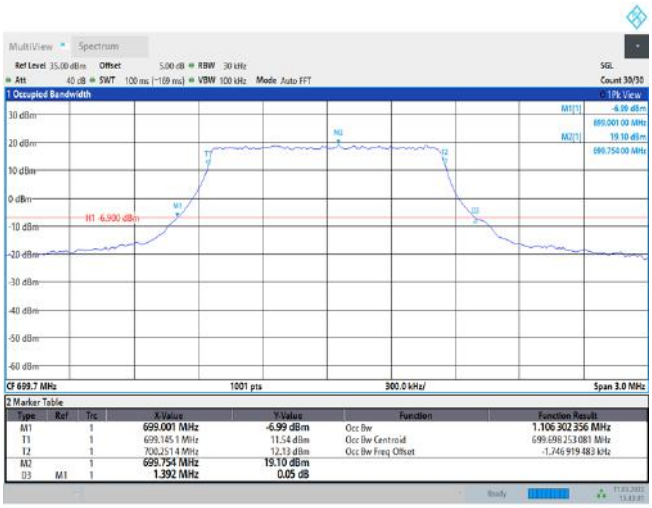
Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0



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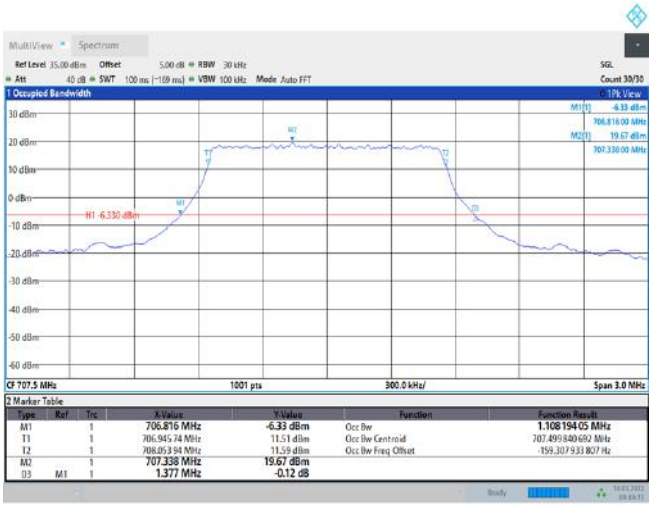

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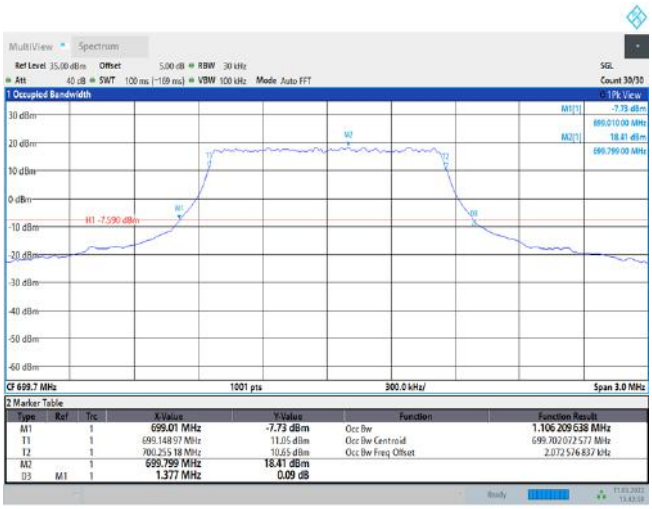
Band12-1.4MHz-QPSK-23173-6RB#0

Band12-1.4MHz-16QAM-23017-6RB#0



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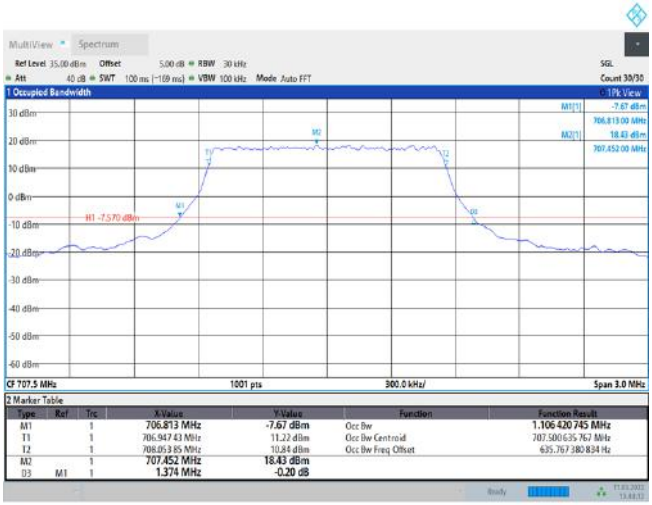
Band12-1.4MHz-16QAM-23095-6RB#0



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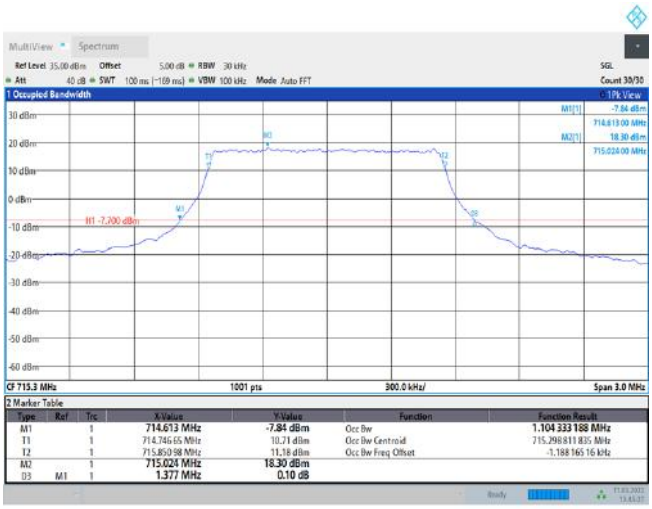

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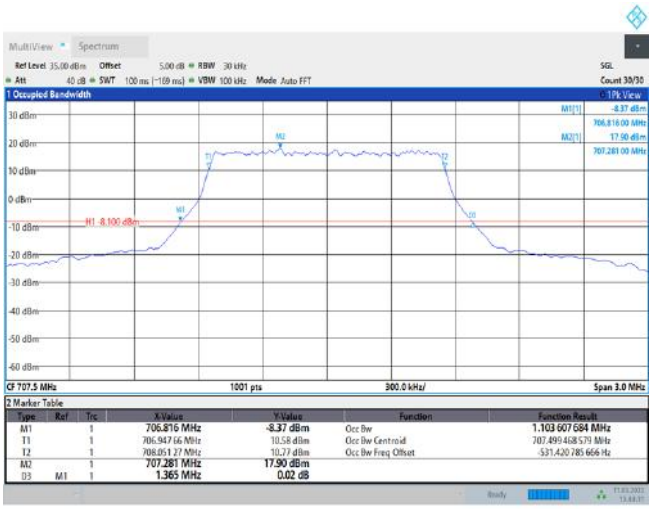
Band12-1.4MHz-64QAM-23017-6RB#0

13:43:17 11.03.2022

Band12-1.4MHz-64QAM-23095-6RB#0



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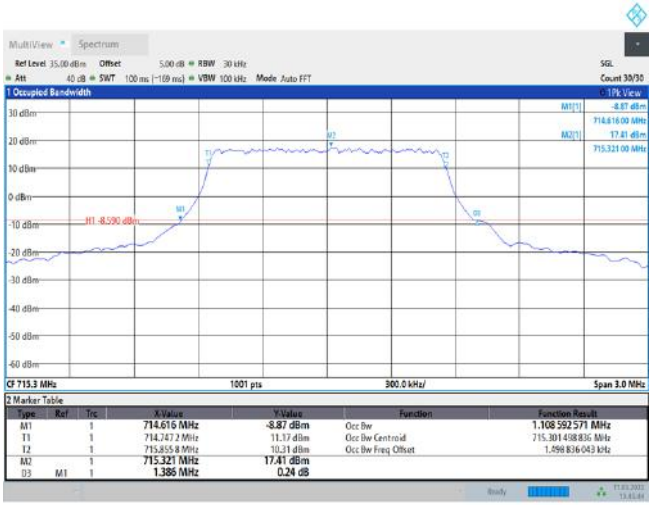
Band12-1.4MHz-64QAM-23173-6RB#0



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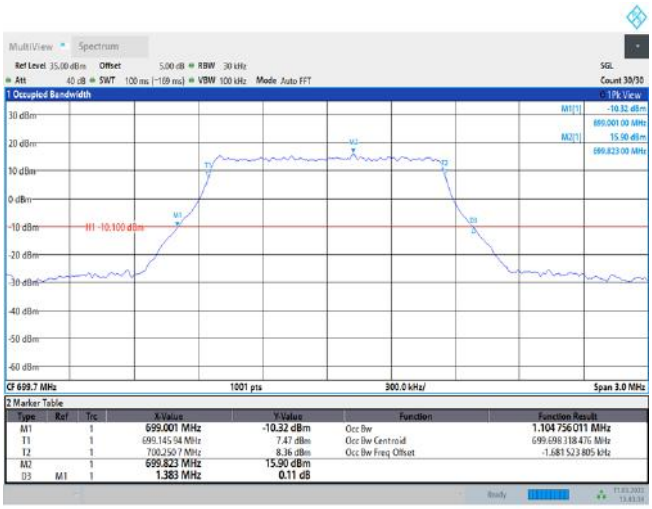

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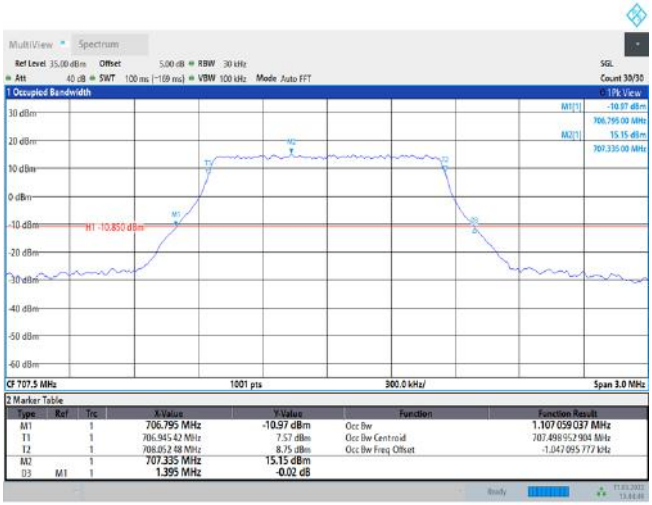
Band12-1.4MHz-256QAM-23095-6RB#0



Band12-1.4MHz-256QAM-23173-6RB#0

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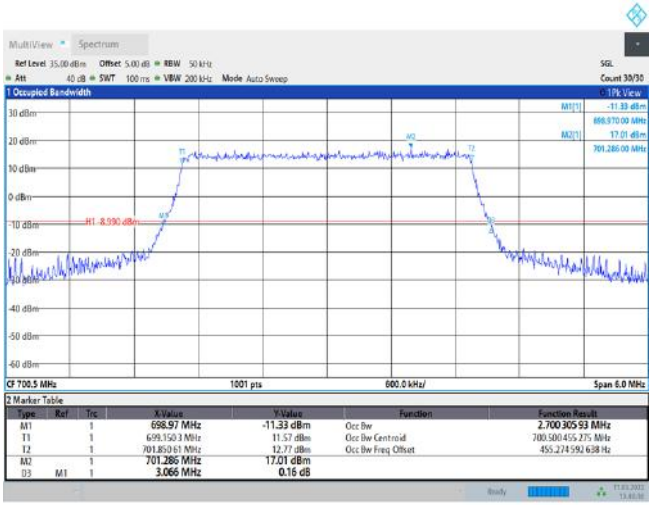
Band12-3MHz-QPSK-23025-15RB#0



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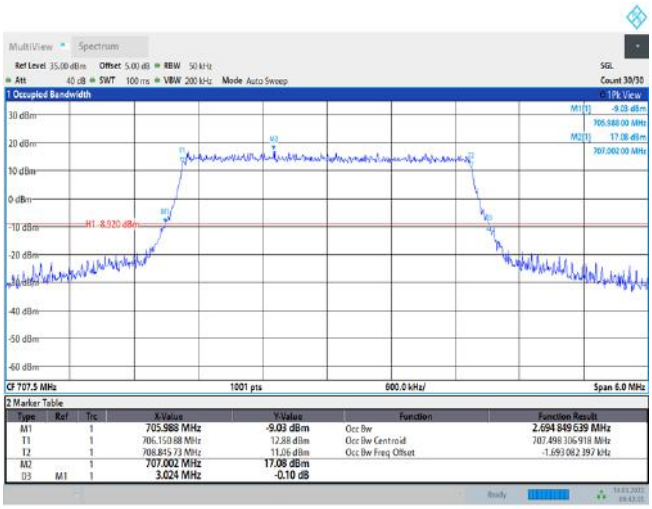

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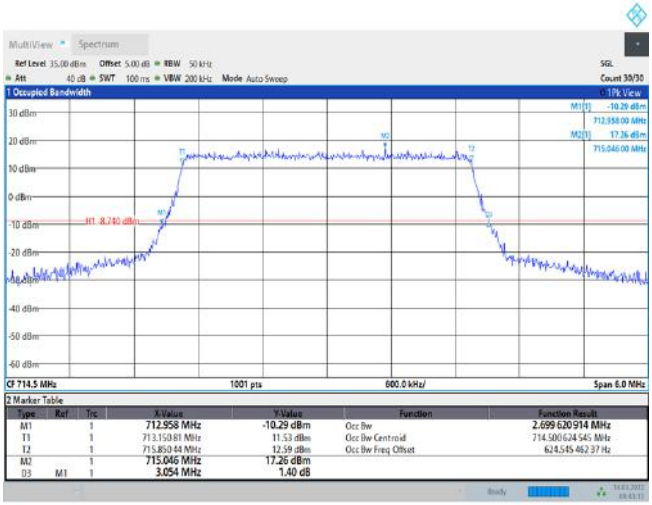
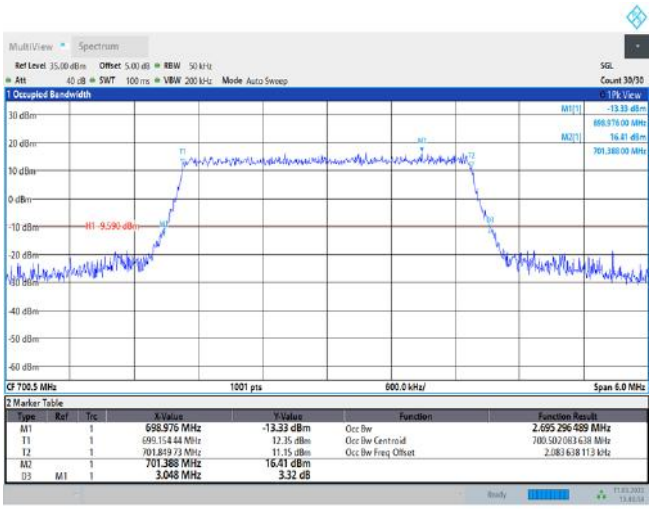
Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-15RB#0



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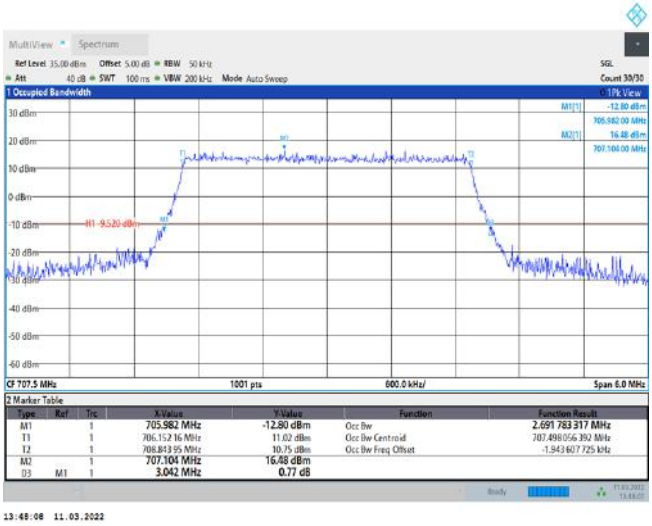
Band12-3MHz-16QAM-23095-15RB#0



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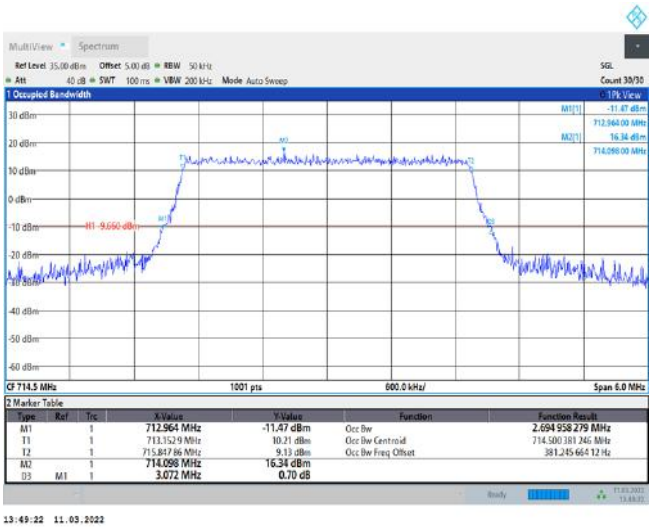

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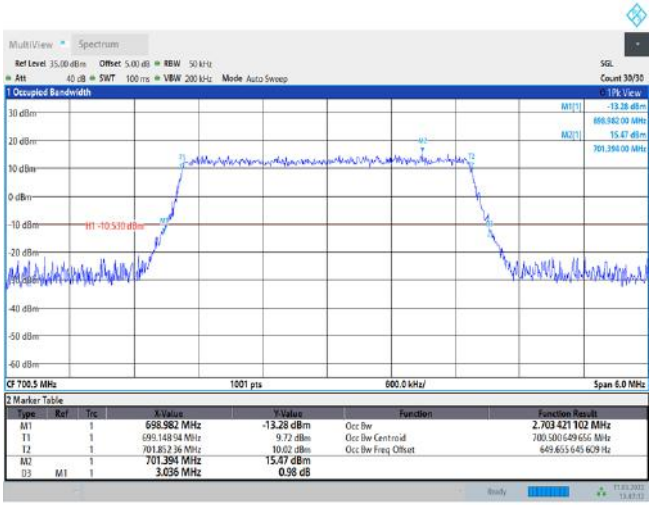
Band12-3MHz-64QAM-23025-15RB#0



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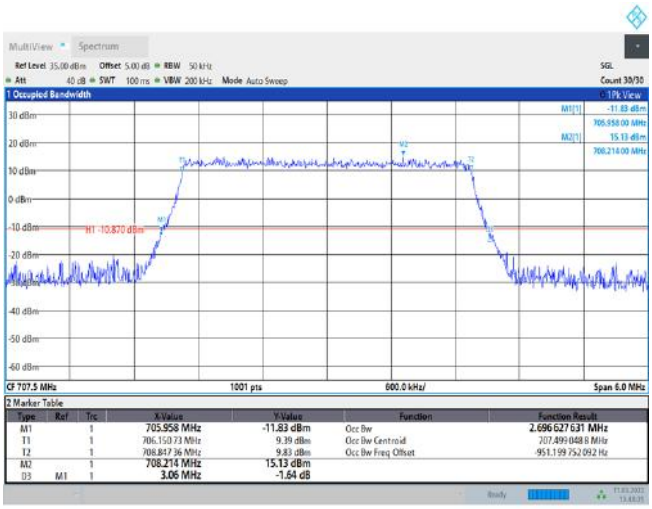
Band12-3MHz-64QAM-23095-15RB#0



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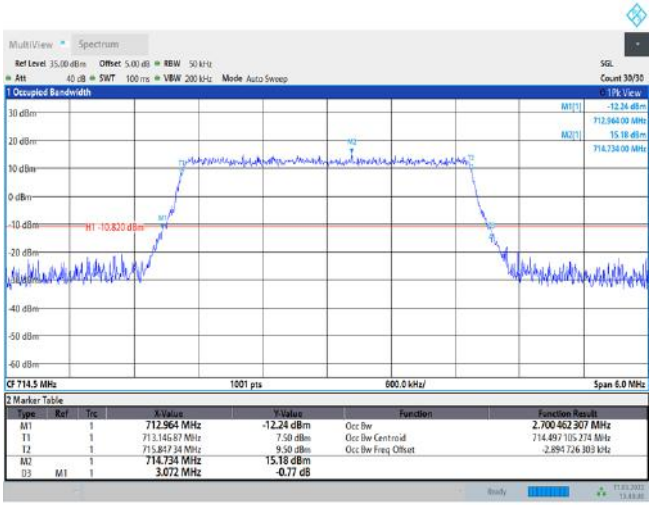
Band12-3MHz-64QAM-23165-15RB#0



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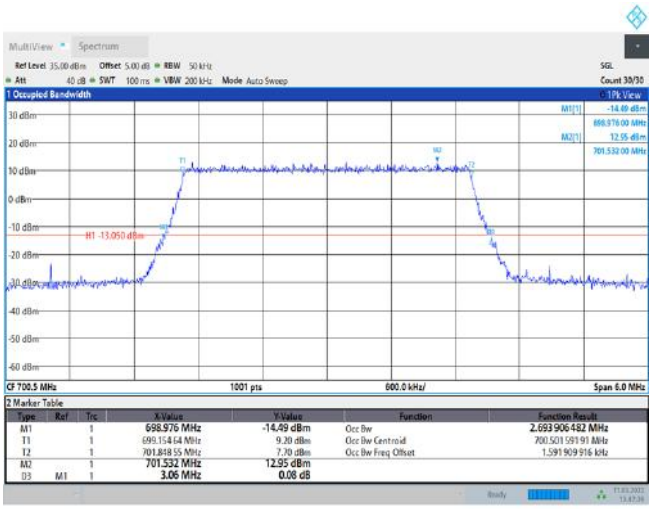
Band12-3MHz-256QAM-23025-15RB#0



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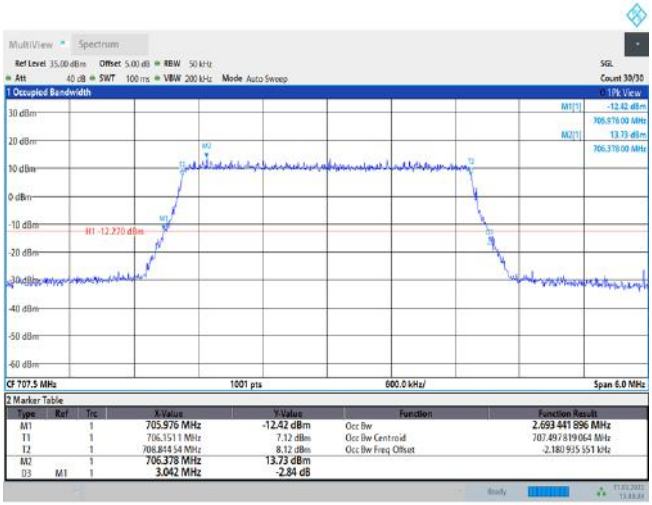

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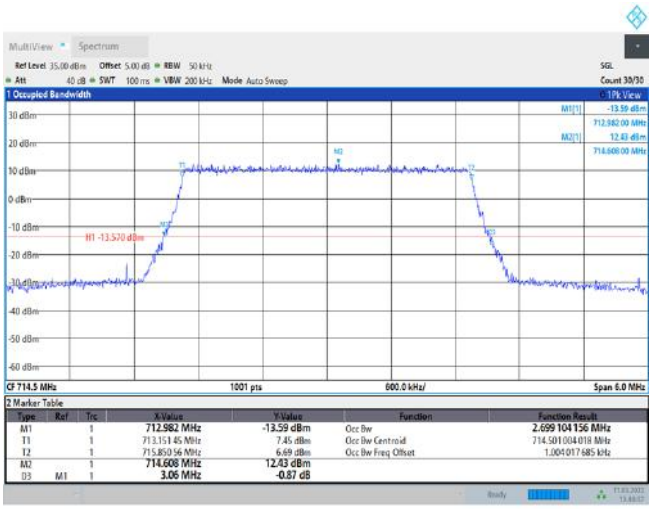

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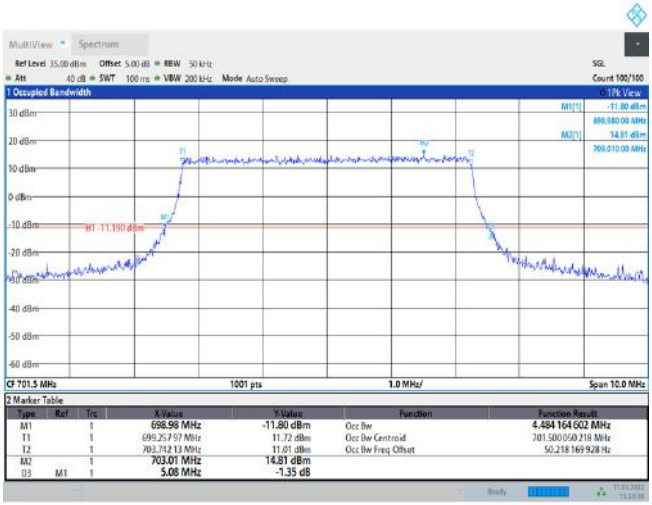
Band12-5MHz-QPSK-23035-25RB#0



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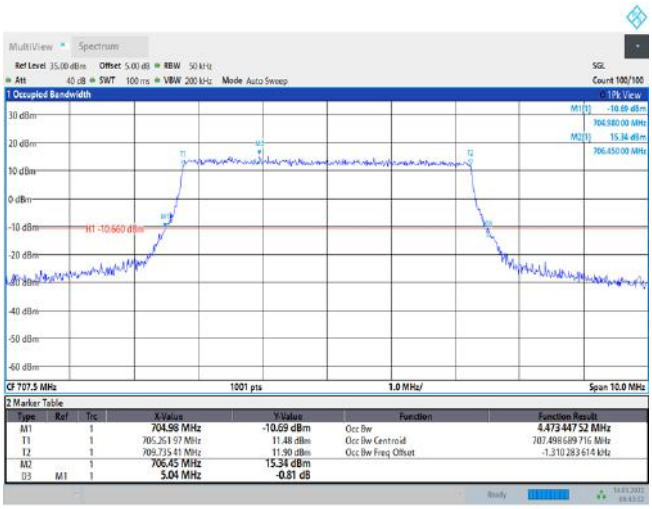
Band12-5MHz-QPSK-23095-25RB#0



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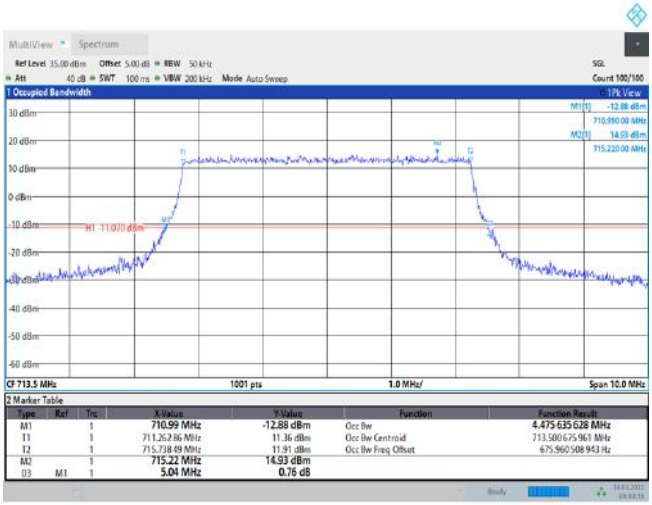
Band12-5MHz-QPSK-23155-25RB#0



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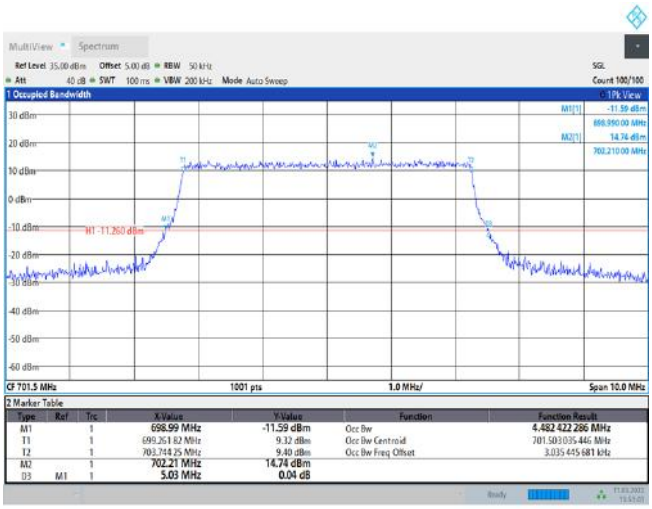
Band12-5MHz-16QAM-23035-25RB#0



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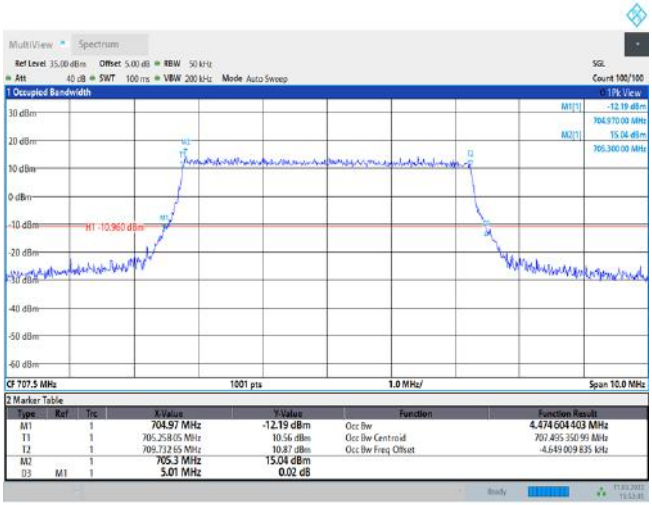
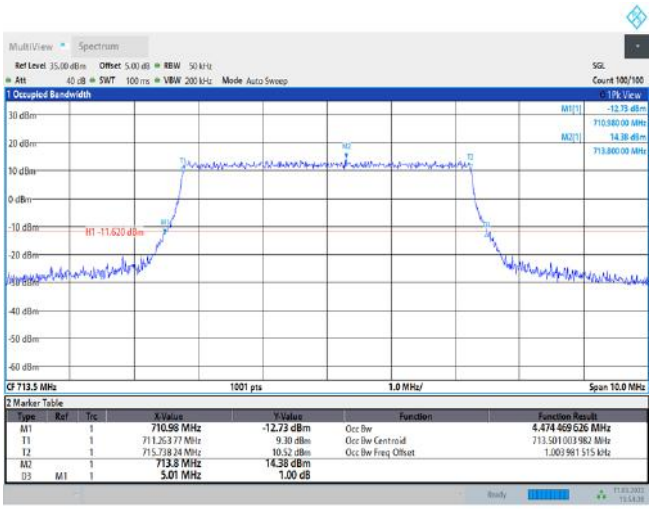
Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0



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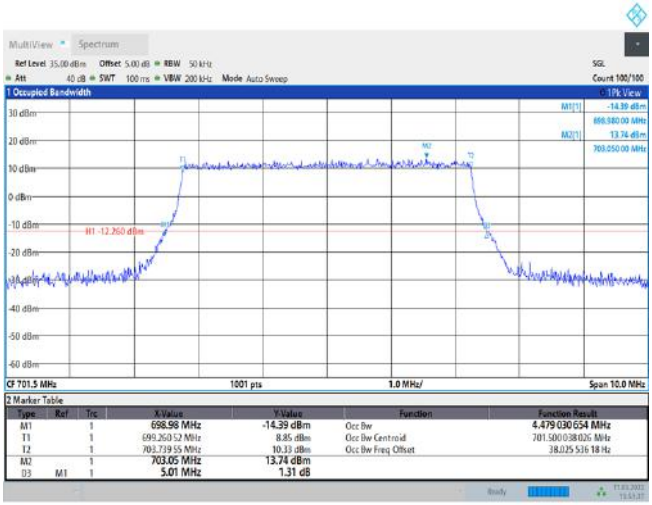
Band12-5MHz-64QAM-23035-25RB#0



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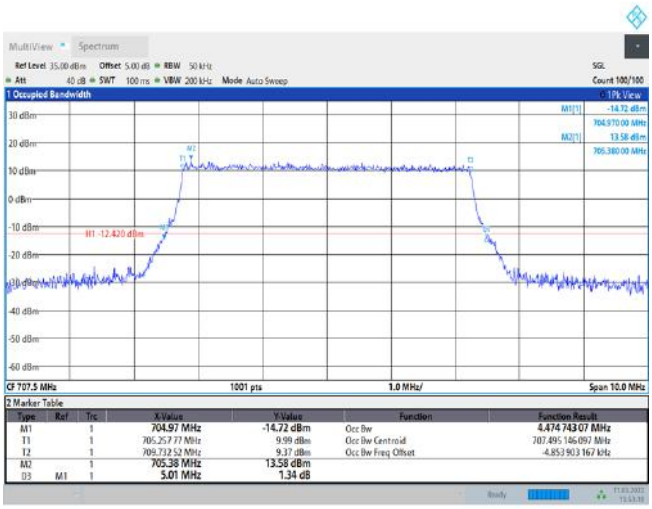

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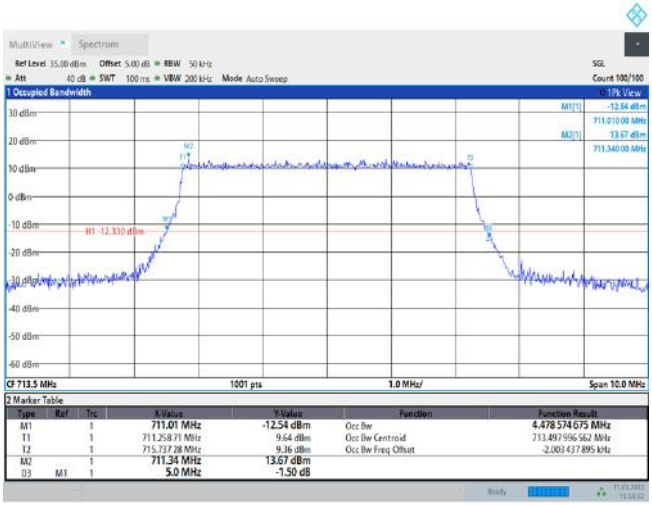
Band12-5MHz-64QAM-23155-25RB#0



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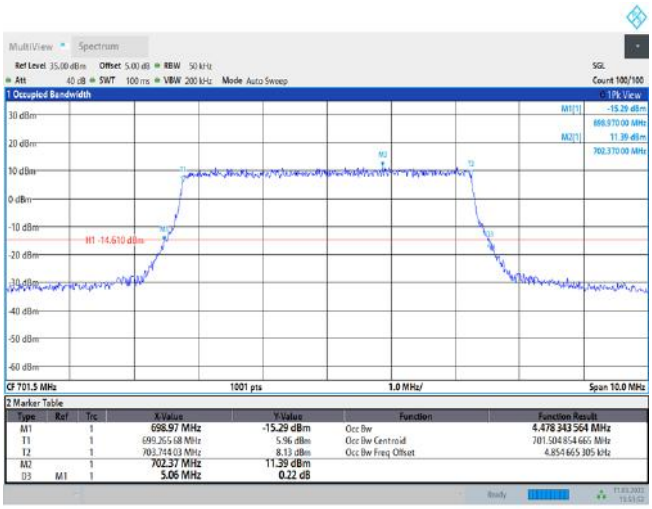

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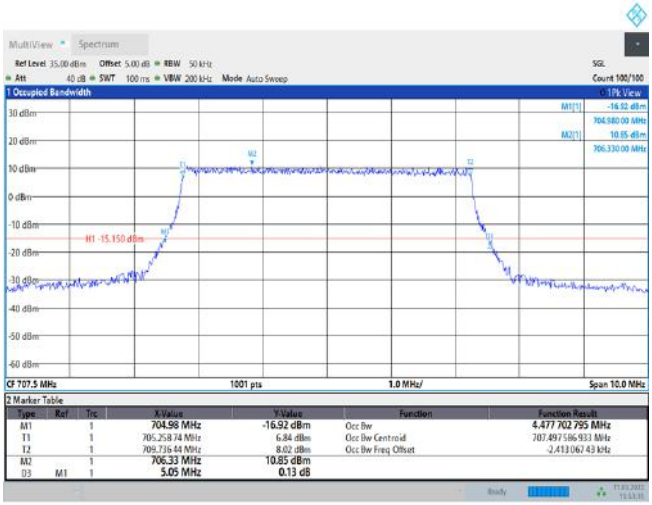
Band12-5MHz-256QAM-23095-25RB#0



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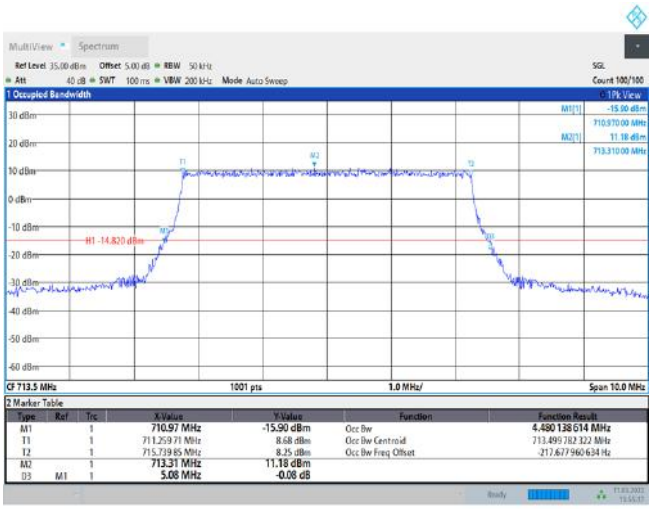

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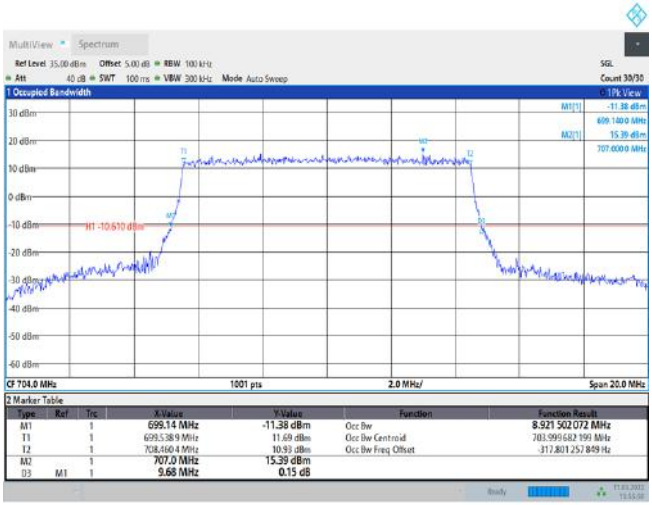
Band12-10MHz-QPSK-23060-50RB#0



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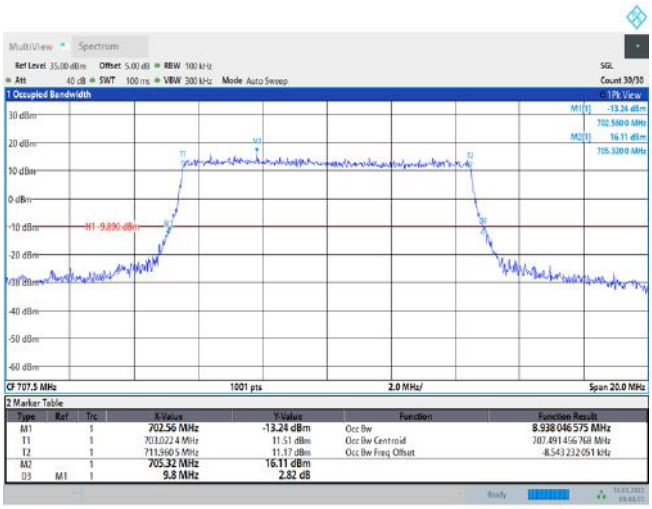
Band12-10MHz-QPSK-23095-50RB#0



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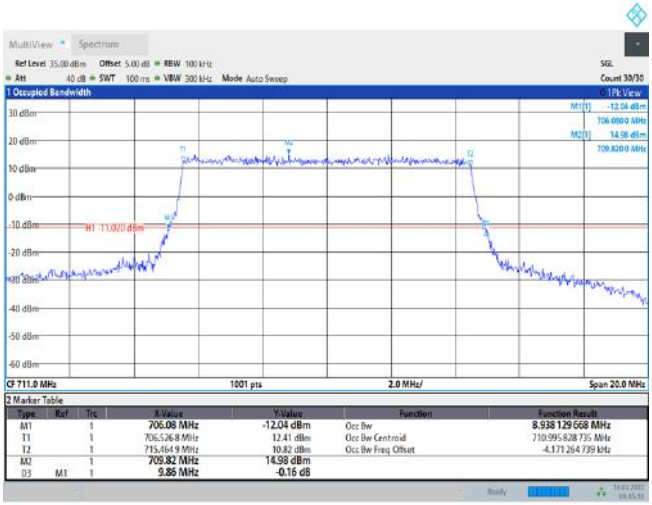
Band12-10MHz-QPSK-23130-50RB#0



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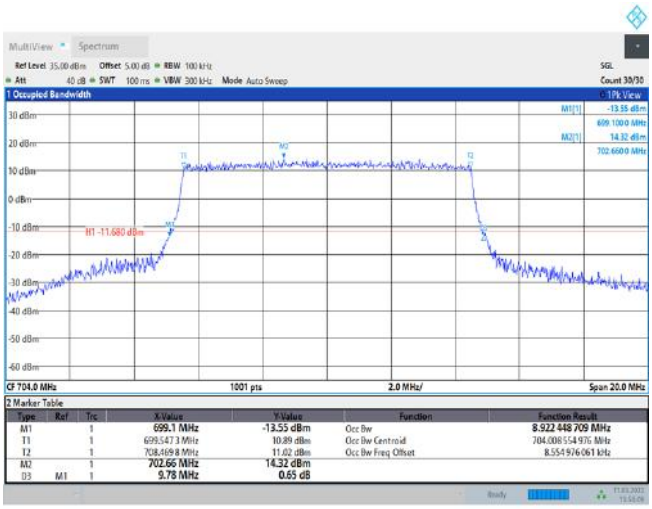
Band12-10MHz-16QAM-23060-50RB#0



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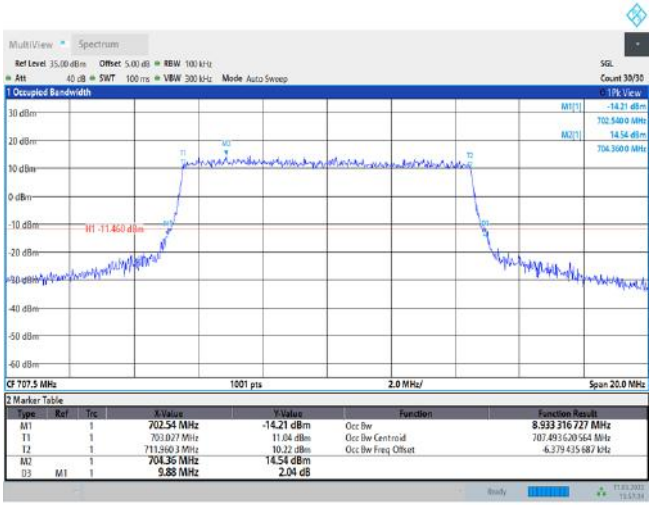
Band12-10MHz-16QAM-23095-50RB#0



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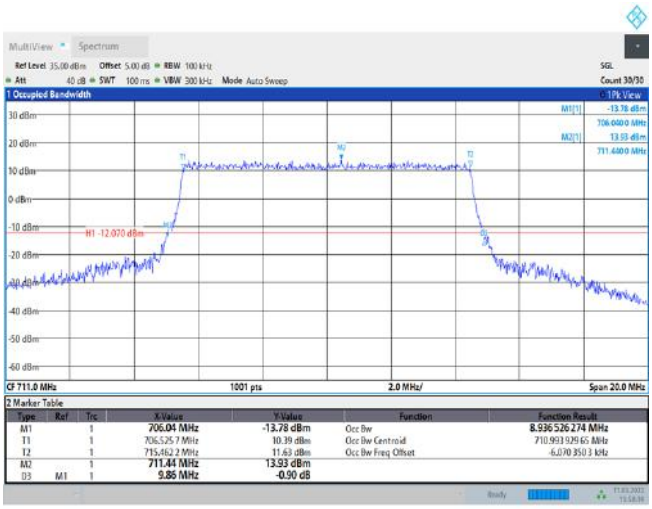

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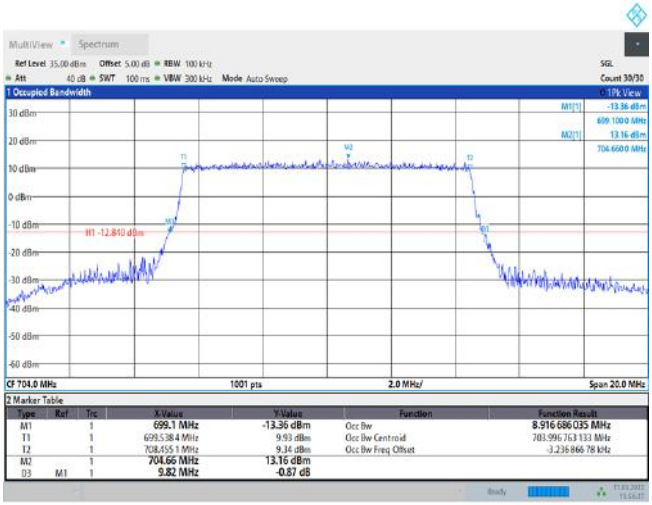
Band12-10MHz-64QAM-23060-50RB#0



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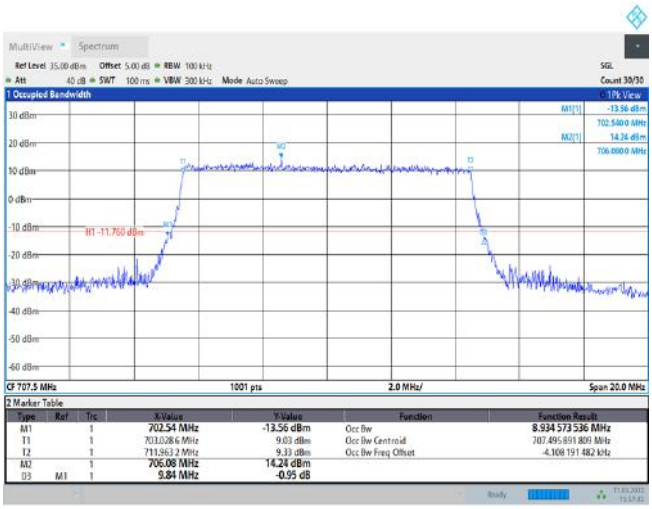

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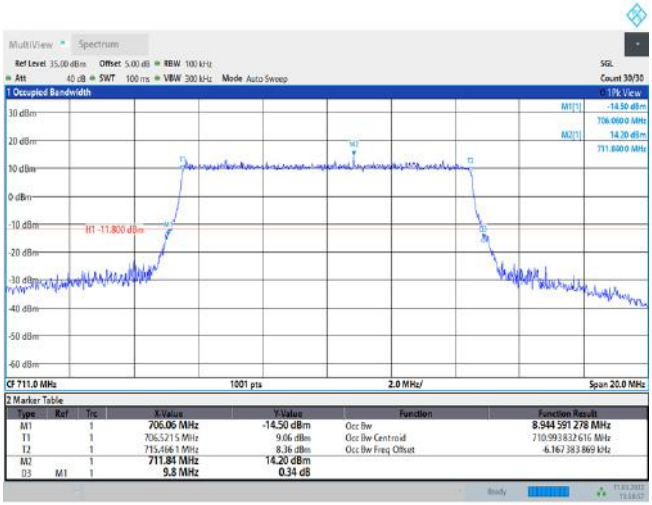
Band12-10MHz-64QAM-23130-50RB#0



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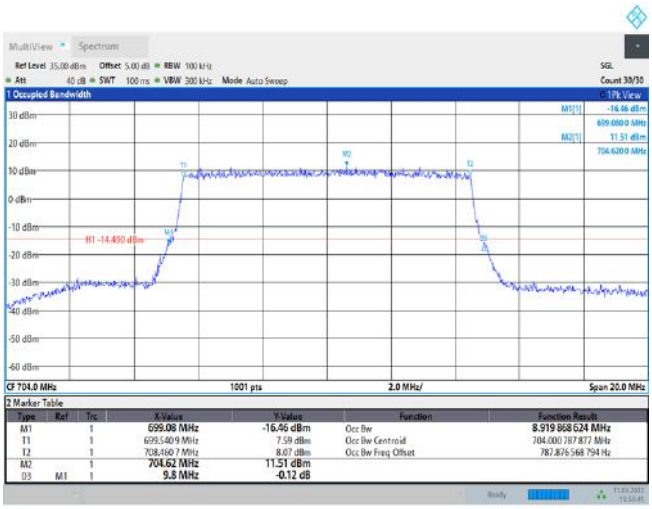

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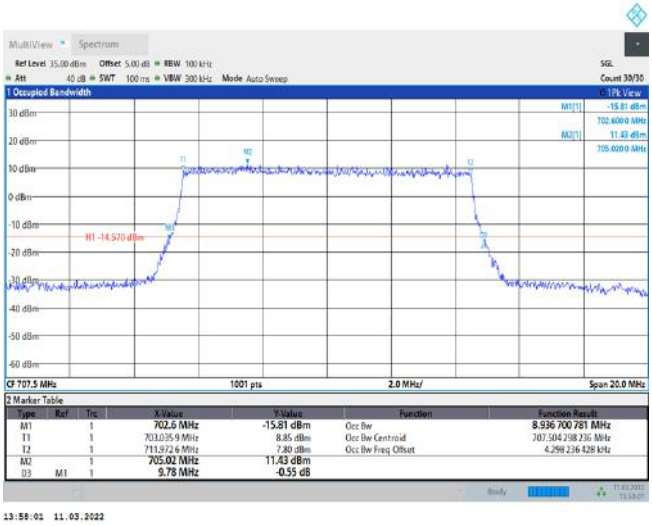
Band12-10MHz-256QAM-23095-50RB#0



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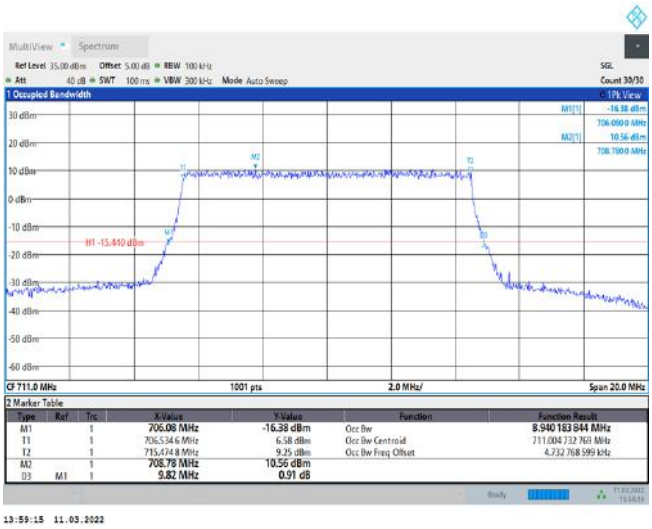

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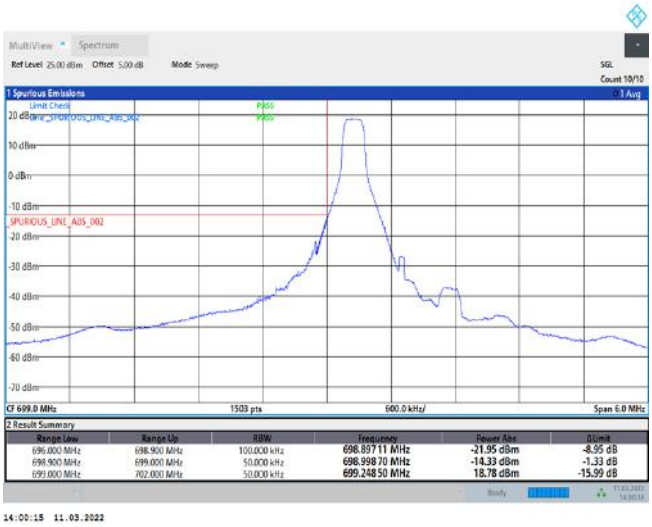
Band Edge

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



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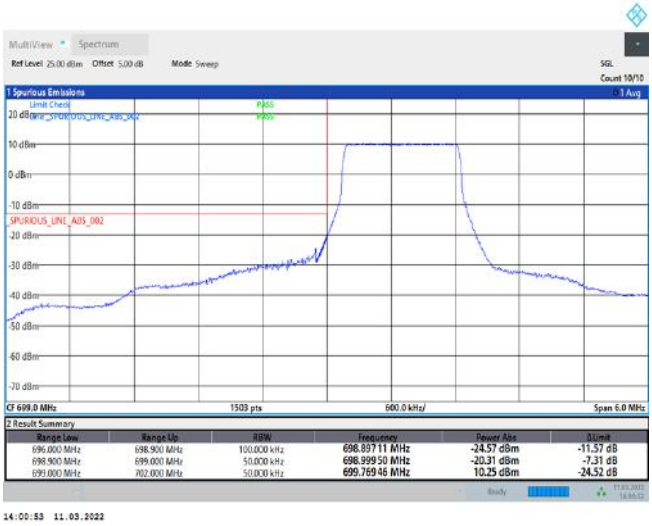

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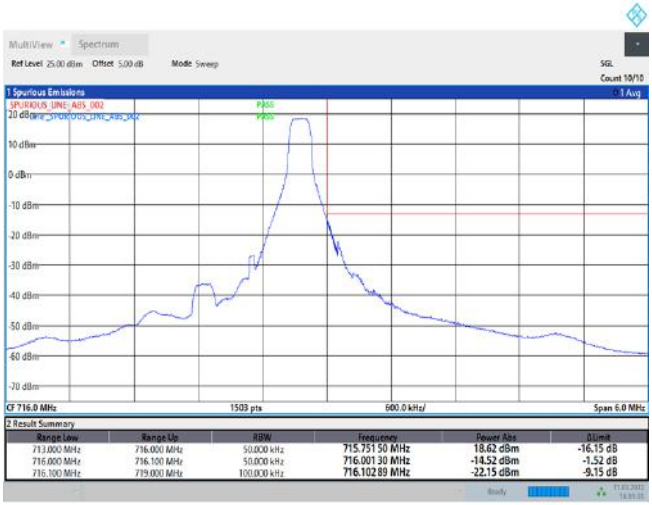
Band12-1.4MHz-QPSK-23173-1RB#5



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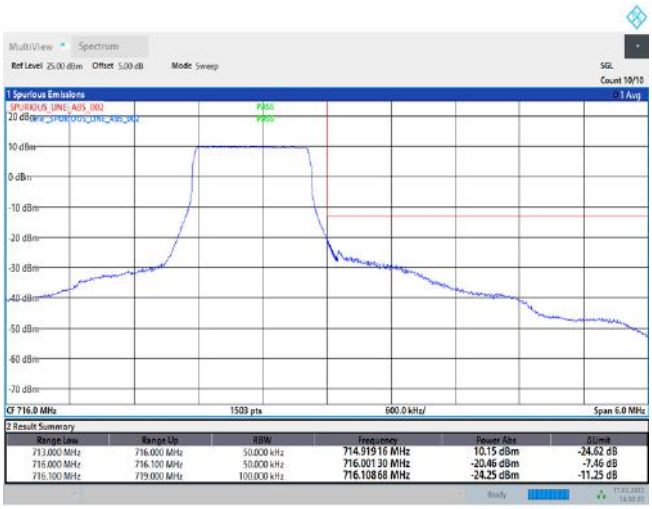
Band12-1.4MHz-QPSK-23173-6RB#0



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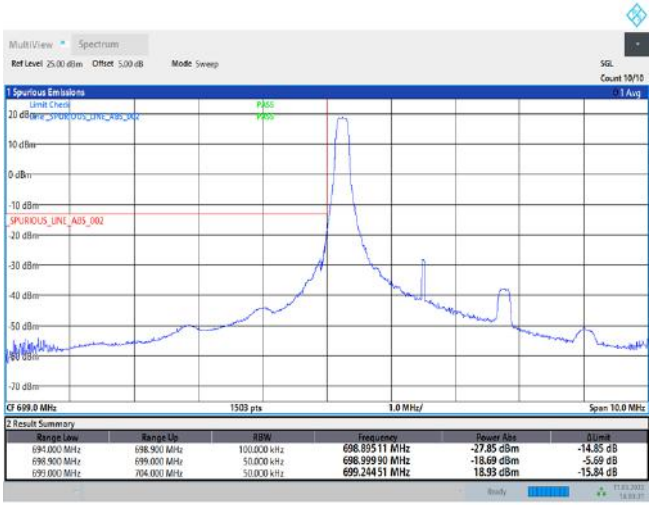
Band12-3MHz-QPSK-23025-1RB#0



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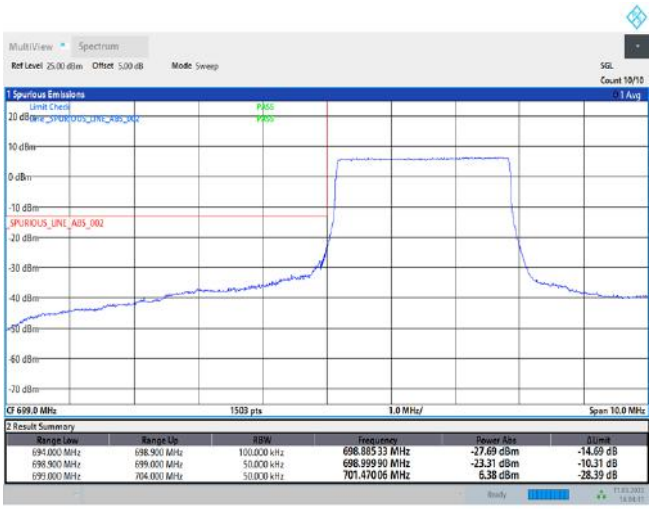
Band12-3MHz-QPSK-23025-15RB#0



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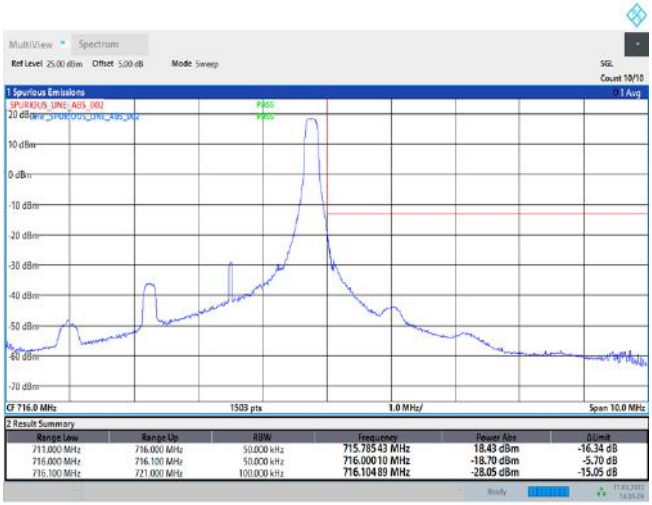
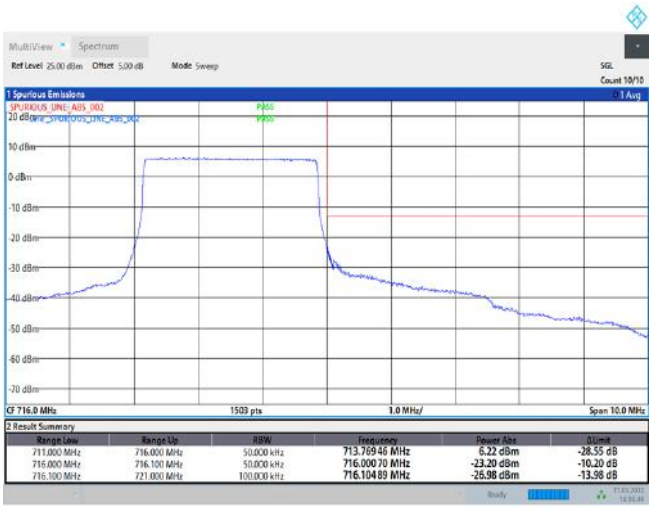
Band12-3MHz-QPSK-23165-1RB#14



Band12-3MHz-QPSK-23165-15RB#0



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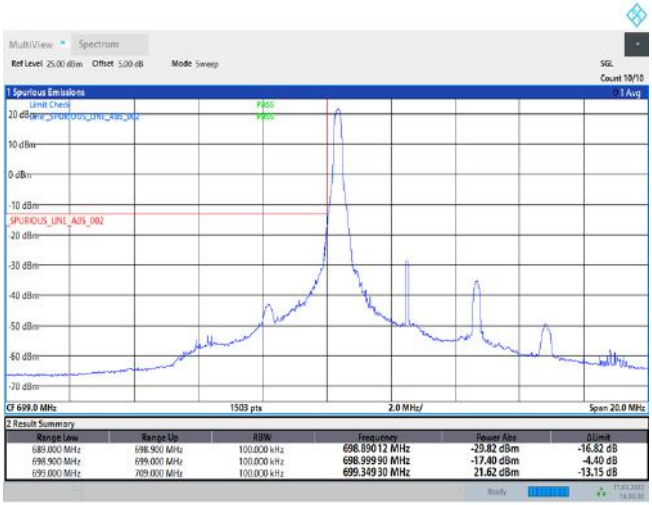
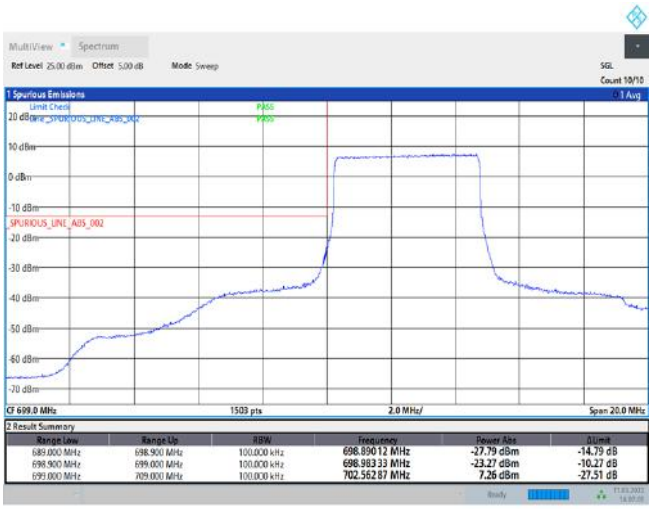
Band12-5MHz-QPSK-23035-1RB#0



14:06:37 11.03.2022

Band12-5MHz-QPSK-23035-25RB#0



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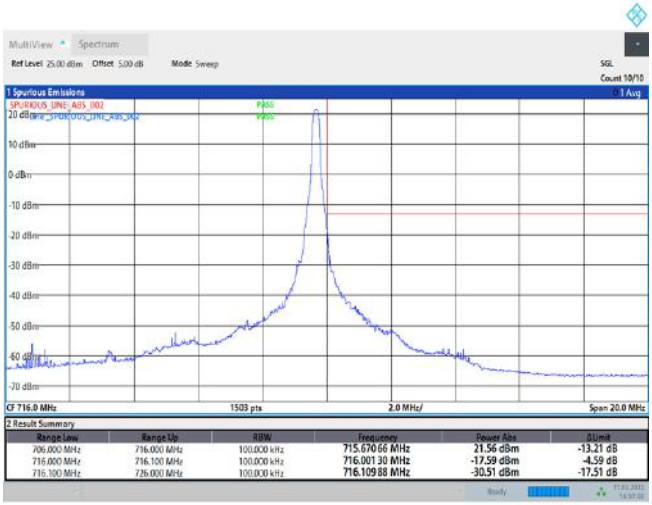
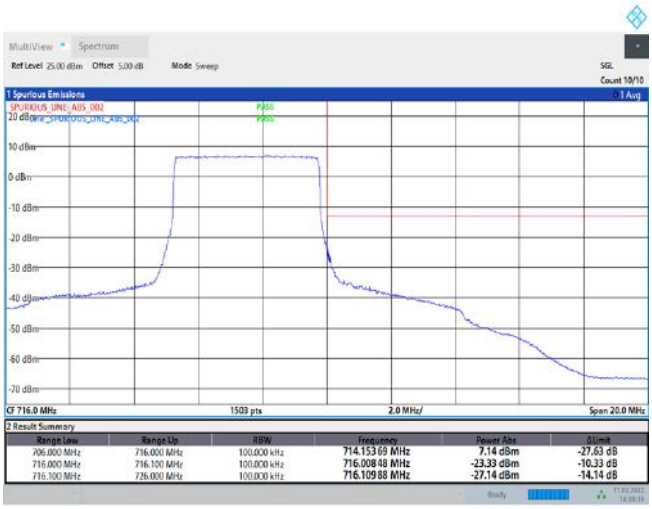
Band12-5MHz-QPSK-23155-1RB#24



Band12-5MHz-QPSK-23155-25RB#0



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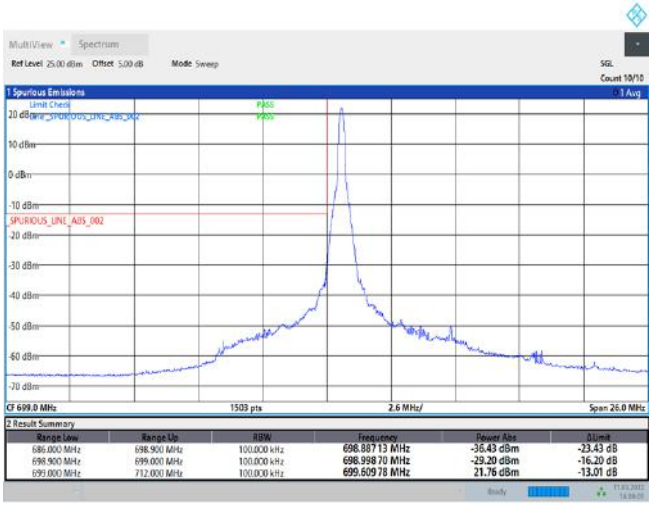
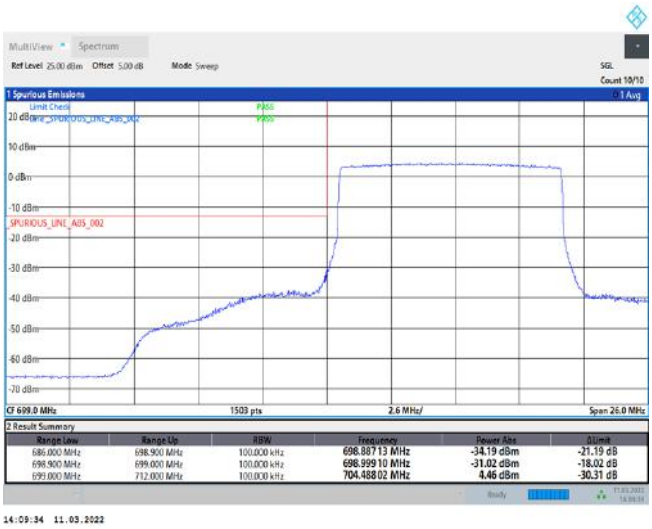
Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0



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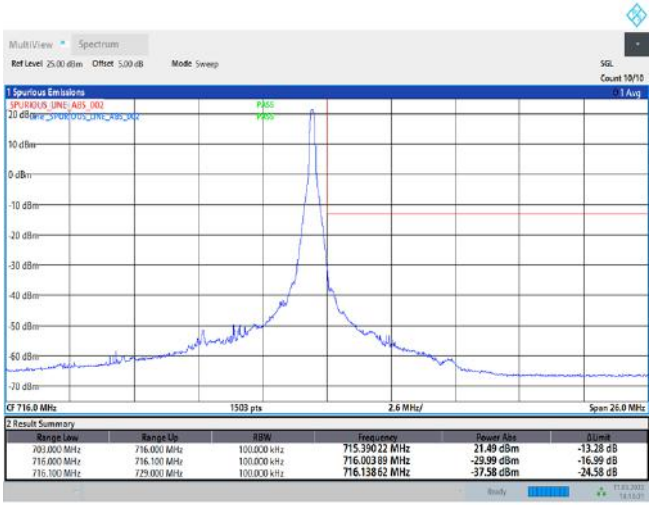
Band12-10MHz-QPSK-23130-1RB#49



Band12-10MHz-QPSK-23130-50RB#0

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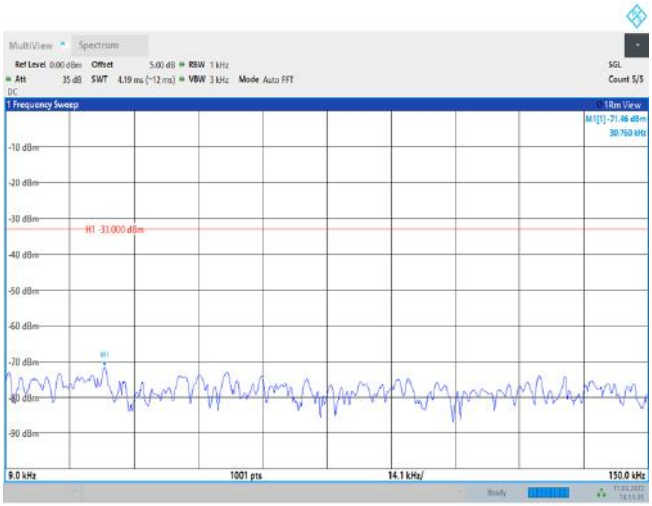
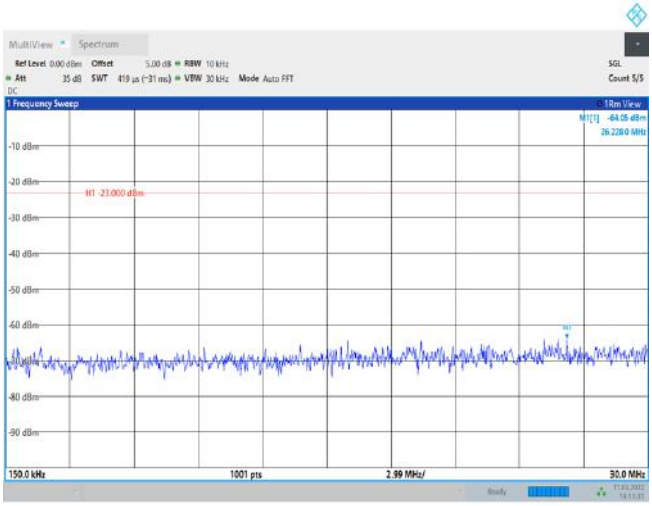
Conducted Spurious Emission

Test Graphs

Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:0.15~30MHz



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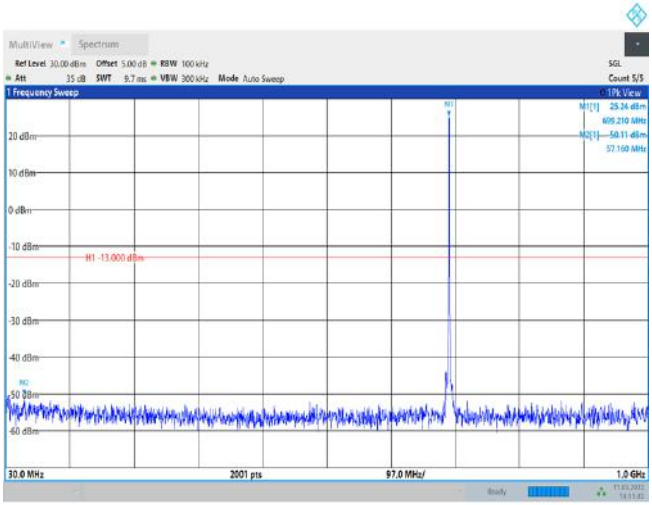
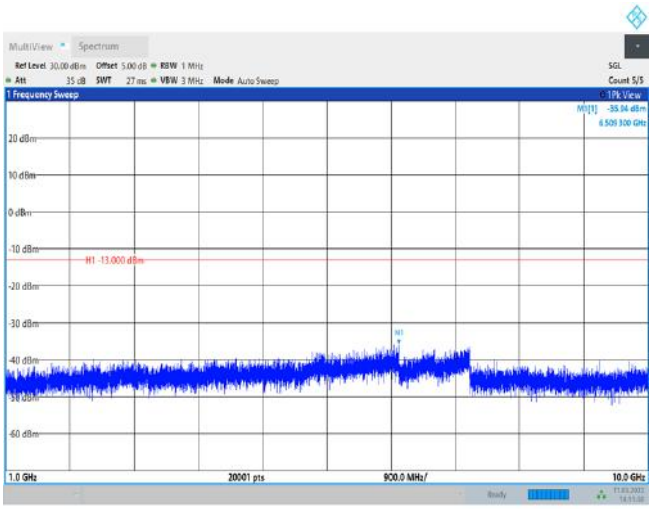
Band12-10MHz-QPSK-23060-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range4:1000~10000MHz



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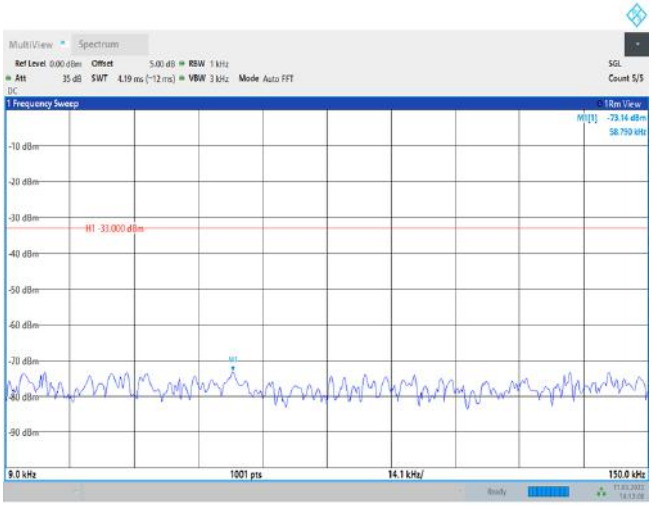
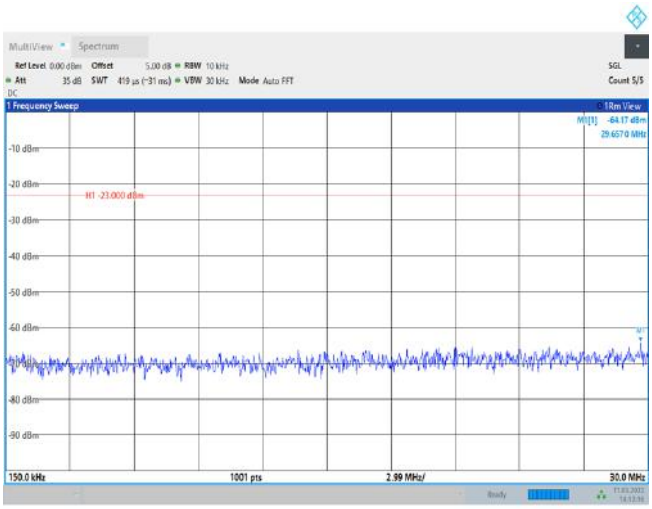
Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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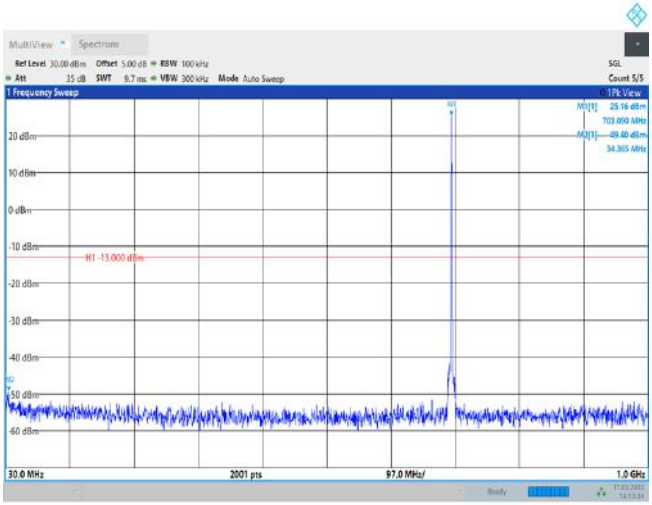
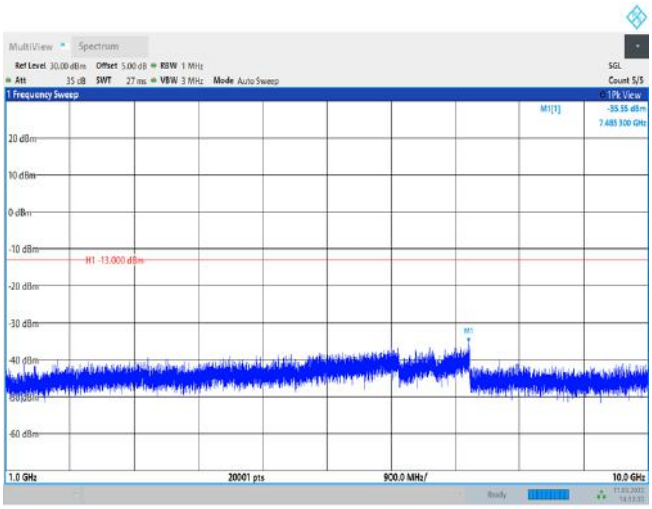
Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



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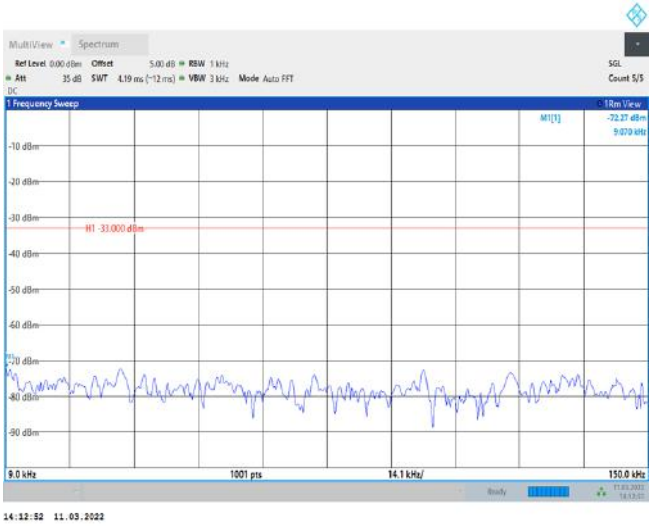
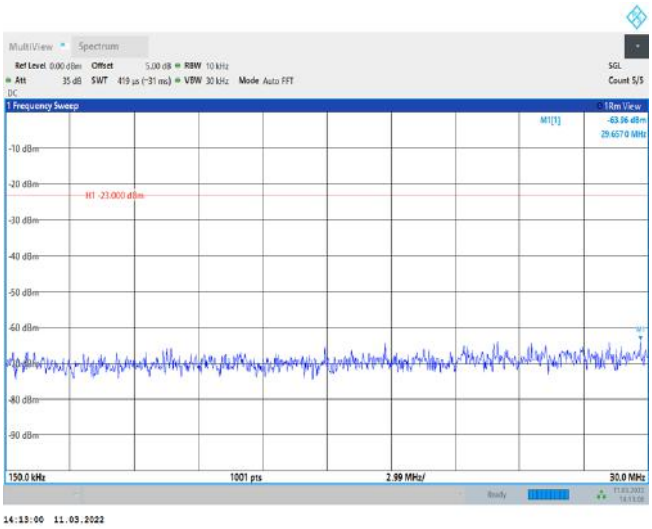
Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23130-1RB#0-Range2:0.15~30MHz



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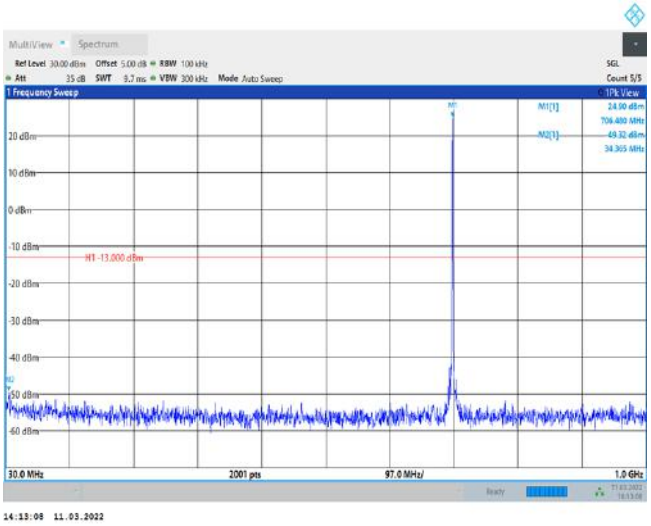
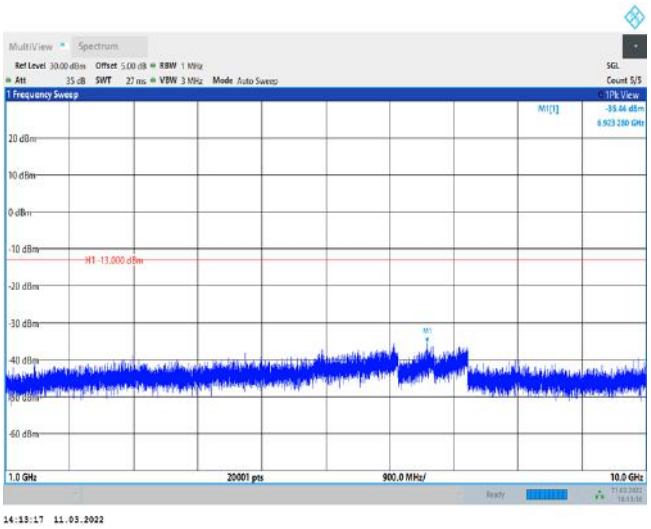
Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = _LTE Band12 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	1399.1800	91.75	-117.64	-25.89	-13.00	12.89	256	341	Horizontal
2	2098.2857	84.97	-115.99	-31.02	-13.00	18.02	148	139	Horizontal
3	2798.2857	67.04	-113.71	-46.67	-13.00	33.67	196	127	Horizontal
4	3497.9500	68.22	-112.28	-44.06	-13.00	31.06	233	38	Horizontal
5	4197.5400	51.32	-110.12	-58.80	-13.00	45.80	170	4	Horizontal
6	4897.1300	51.09	-108.25	-57.16	-13.00	44.16	198	13	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	81.67	-117.64	-35.97	-13.00	22.97	125	272	Vertical
2	2098.7700	63.93	-115.99	-52.06	-13.00	39.06	146	208	Vertical
3	2798.2857	58.97	-113.71	-54.74	-13.00	41.74	139	188	Vertical
4	3497.7143	57.77	-112.28	-54.51	-13.00	41.51	172	182	Vertical
5	4197.5400	49.76	-110.12	-60.36	-13.00	47.36	184	246	Vertical
6	4897.1300	51.04	-108.25	-57.21	-13.00	44.21	176	105	Vertical

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Test Band = _LTE Band12 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	1406.1800	93.03	-117.67	-24.64	-13.00	11.64	148	354	Horizontal
2	2109.1429	84.08	-115.95	-31.87	-13.00	18.87	126	240	Horizontal
3	2812.3600	64.22	-113.60	-49.38	-13.00	36.38	236	240	Horizontal
4	3515.4286	69.41	-112.24	-42.83	-13.00	29.83	199	37	Horizontal
5	4218.5400	51.01	-110.05	-59.04	-13.00	46.04	172	126	Horizontal
6	4921.6300	50.89	-108.23	-57.34	-13.00	44.34	201	264	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	78.65	-117.67	-39.02	-13.00	26.02	184	296	Vertical
2	2109.2700	68.60	-115.94	-47.34	-13.00	34.34	172	120	Vertical
3	2812.3600	57.61	-113.60	-55.99	-13.00	42.99	233	0	Vertical
4	3515.4500	52.25	-112.23	-59.98	-13.00	46.98	105	144	Vertical
5	4218.5400	50.36	-110.05	-59.69	-13.00	46.69	166	232	Vertical
6	4921.6300	51.79	-108.23	-56.44	-13.00	43.44	194	270	Vertical

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Test Band = _LTE Band12 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	1413.1429	92.99	-117.70	-24.71	-13.00	11.71	287	155	Horizontal
2	2119.7700	83.49	-115.90	-32.41	-13.00	19.41	159	230	Horizontal
3	2826.2857	69.07	-113.49	-44.42	-13.00	31.42	147	114	Horizontal
4	3532.9500	69.53	-112.18	-42.65	-13.00	29.65	258	242	Horizontal
5	4239.5400	49.85	-109.97	-60.12	-13.00	47.12	165	140	Horizontal
6	4946.1300	51.02	-108.22	-57.20	-13.00	44.20	187	242	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1429	79.68	-117.70	-38.02	-13.00	25.02	175	284	Vertical
2	2119.7700	69.77	-115.90	-46.13	-13.00	33.13	149	93	Vertical
3	2826.2857	59.78	-113.49	-53.71	-13.00	40.71	198	120	Vertical
4	3532.9500	53.19	-112.18	-58.99	-13.00	45.99	183	158	Vertical
5	4239.5400	50.67	-109.97	-59.30	-13.00	46.30	222	120	Vertical
6	4946.1300	50.38	-108.22	-57.84	-13.00	44.84	237	357	Vertical

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Test Band = _UL CA 2A_12A 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	1399.1800	70.91	-95.56	-24.65	-13.00	11.65	214	1	Horizontal
2	2098.6667	65.04	-93.06	-28.02	-13.00	15.02	175	152	Horizontal
3	2798.3600	57.54	-90.35	-32.81	-13.00	19.81	146	188	Horizontal
4	3702	74.14	-110.79	-36.65	-13.00	23.65	233	310	Horizontal
5	5553.2700	64.32	-107.44	-43.12	-13.00	30.12	201	310	Horizontal
6	7404.3600	59.01	-102.17	-43.16	-13.00	30.16	127	321	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	59.32	-95.56	-36.24	-13.00	23.24	187	59	Vertical
2	2098.6667	47.46	-93.06	-45.60	-13.00	32.60	199	35	Vertical
3	2798.3600	50.35	-90.35	-40.00	-13.00	27.00	233	315	Vertical
4	3702	67.44	-110.79	-43.35	-13.00	30.35	254	24	Vertical
5	5553.2700	70.25	-107.44	-37.19	-13.00	24.19	321	194	Vertical
6	7404.3600	66.87	-102.17	-35.30	-13.00	22.30	201	162	Vertical

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Test Band = _UL CA 2A_12A 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	1406.1800	77.17	-95.55	-18.38	-13.00	5.38	122	112	Horizontal
2	2109.2700	61.66	-92.99	-31.33	-13.00	18.33	154	186	Horizontal
3	2812.3600	56.78	-90.25	-33.47	-13.00	20.47	185	119	Horizontal
4	3742.1800	72.66	-110.82	-38.16	-13.00	25.16	146	88	Horizontal
5	5613	66.18	-107.23	-41.05	-13.00	28.05	193	280	Horizontal
6	7484.25	54.98	-101.99	-47.01	-13.00	34.01	173	258	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406	54.63	-95.55	-40.92	-13.00	27.92	221	240	Vertical
2	2109.2700	50.40	-92.99	-42.59	-13.00	29.59	145	136	Vertical
3	2812.3600	45.97	-90.25	-44.28	-13.00	31.28	119	2	Vertical
4	3742.1800	65.21	-110.82	-45.61	-13.00	32.61	177	227	Vertical
5	5613.2700	73.19	-107.23	-34.04	-13.00	21.04	193	196	Vertical
6	7484.25	65.40	-101.99	-36.59	-13.00	23.59	283	217	Vertical

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Test Band = _UL CA 2A_12A 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	1413.1800	71.84	-95.55	-23.71	-13.00	10.71	142	135	Horizontal
2	2119.7700	59.86	-92.93	-33.07	-13.00	20.07	230	357	Horizontal
3	2826	57.47	-90.15	-32.68	-13.00	19.68	201	32	Horizontal
4	3782.25	74.35	-110.84	-36.49	-13.00	23.49	174	77	Horizontal
5	5673	65.31	-106.88	-41.57	-13.00	28.57	185	238	Horizontal
6	7564.3600	55.20	-101.86	-46.66	-13.00	33.66	196	312	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	59.29	-95.55	-36.26	-13.00	23.26	163	237	Vertical
2	2119.7700	48.81	-92.93	-44.12	-13.00	31.12	261	134	Vertical
3	2826.3600	50.89	-90.15	-39.26	-13.00	26.26	241	356	Vertical
4	3782.1800	69.54	-110.84	-41.30	-13.00	28.30	218	206	Vertical
5	5673.2700	70.42	-106.88	-36.46	-13.00	23.46	186	173	Vertical
6	7564.3600	65.24	-101.86	-36.62	-13.00	23.62	214	216	Vertical

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.30	-0.001837	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.40	-0.000565	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.10	-0.001555	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.80	-0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.30	-0.001837	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.40	0.000565	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.30	0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-0.30	-0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	0.30	0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.60	-0.002261	PASS

The End

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