Appendix

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.12	23.29	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.10	23.27	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.17	23.34	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.13	22.30	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.33	23.50	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.37	23.54	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.34	23.51	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.28	22.45	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.36	23.53	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.39	23.56	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.25	23.42	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.40	22.57	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.12	22.29	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.42	22.59	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.17	22.34	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.18	21.35	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.49	22.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.55	22.72	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.58	22.75	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.33	21.50	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.55	22.72	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.43	22.60	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.33	22.50	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.48	21.65	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.25	21.42	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.39	21.56	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.27	21.44	38.45	PASS

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Band5	1.4MHz	64QAM	20407	6RB#0	21.12	20.29	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.46	21.63	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.51	21.68	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.43	21.60	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.37	20.54	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.54	21.71	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.47	21.64	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.47	21.64	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.46	20.63	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.18	18.35	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.38	18.55	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.35	18.52	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.15	18.32	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.44	18.61	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	19.52	18.69	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.47	18.64	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	19.38	18.55	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.48	18.65	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.53	18.70	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.52	18.69	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	19.48	18.65	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.12	23.29	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.14	23.31	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.17	23.34	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.22	22.39	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.48	23.65	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.45	23.62	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.34	23.51	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.39	22.56	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.41	23.58	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.42	23.59	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.32	23.49	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.36	22.53	38.45	PASS

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Band5	3MHz	16QAM	20415	1RB#0	23.26	22.43	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.32	22.49	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.19	22.36	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.30	21.47	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.40	22.57	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.55	22.72	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.52	22.69	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.35	21.52	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.58	22.75	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.56	22.73	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.29	22.46	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.36	21.53	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.39	21.56	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.37	21.54	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.27	21.44	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.26	20.43	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.56	21.73	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.52	21.69	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.54	21.71	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.41	20.58	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.49	21.66	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.57	21.74	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.44	21.61	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.37	20.54	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	19.20	18.37	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.26	18.43	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.28	18.45	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	19.26	18.43	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.41	18.58	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.74	18.91	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	19.53	18.70	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	19.41	18.58	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	19.32	18.49	38.45	PASS

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Band5	3MHz	256QAM	20635	1RB#8	19.61	18.78	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	19.42	18.59	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	19.36	18.53	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.16	23.33	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.26	23.43	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.17	23.34	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.27	22.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.48	23.65	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.36	23.53	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.42	23.59	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.38	22.55	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.36	23.53	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.40	23.57	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.31	23.48	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.40	22.57	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.38	22.55	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.30	22.47	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.33	22.50	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.31	21.48	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.56	22.73	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.56	22.73	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.50	22.67	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.39	21.56	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.53	22.70	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.49	22.66	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.51	22.68	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.47	21.64	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.37	21.54	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.54	21.71	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.48	21.65	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.24	20.41	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.68	21.85	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.55	21.72	38.45	PASS

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Band5	5MHz	64QAM	20525	1RB#24	22.53	21.70	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.31	20.48	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.56	21.73	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.58	21.75	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.55	21.72	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.45	20.62	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.29	18.46	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.30	18.47	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	19.48	18.65	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	19.30	18.47	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.56	18.73	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.55	18.72	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.62	18.79	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	19.40	18.57	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.52	18.69	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.58	18.75	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.56	18.73	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	19.47	18.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.20	23.37	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.25	23.42	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.32	23.49	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.38	22.55	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.41	23.58	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.43	23.60	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.49	23.66	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.42	22.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.42	23.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.41	23.58	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.36	23.53	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.35	22.52	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.21	22.38	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.46	22.63	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.48	22.65	38.45	PASS

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Band5	10MHz	16QAM	20450	50RB#0	22.37	21.54	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.50	22.67	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.57	22.74	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.46	22.63	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.37	21.54	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.56	22.73	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.48	22.65	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.51	22.68	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.48	21.65	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.32	21.49	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.44	21.61	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.44	21.61	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.42	20.59	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.47	21.64	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.62	21.79	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.49	21.66	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.45	20.62	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.59	21.76	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.50	21.67	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.62	21.79	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.36	20.53	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	19.32	18.49	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	19.44	18.61	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	19.38	18.55	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	19.38	18.55	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	19.53	18.70	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	19.64	18.81	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.56	18.73	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	19.43	18.60	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.47	18.64	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.61	18.78	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.47	18.64	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	19.43	18.60	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	5.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.20	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.14	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.12	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.02	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.00	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.58	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.48	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.36	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.74	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.68	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.58	13	PASS

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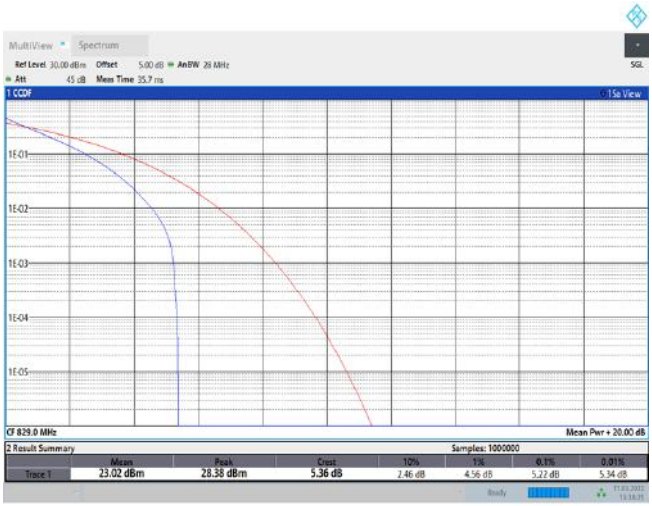
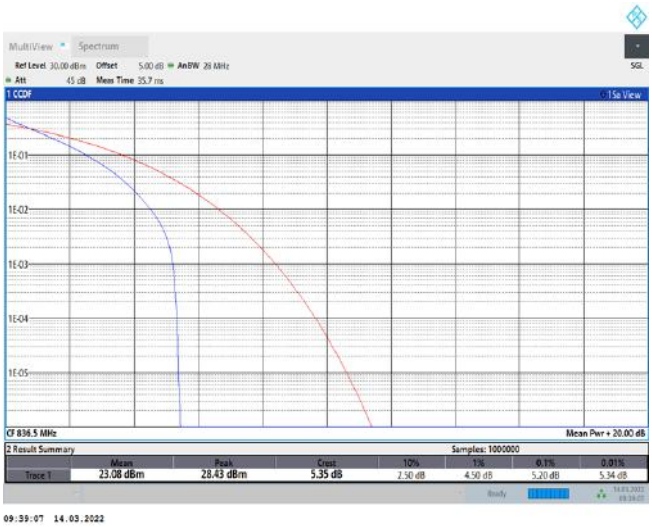
Test Graphs

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



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



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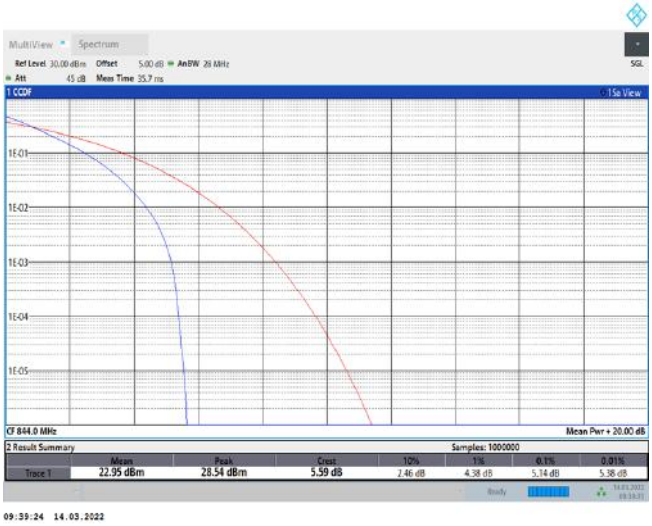
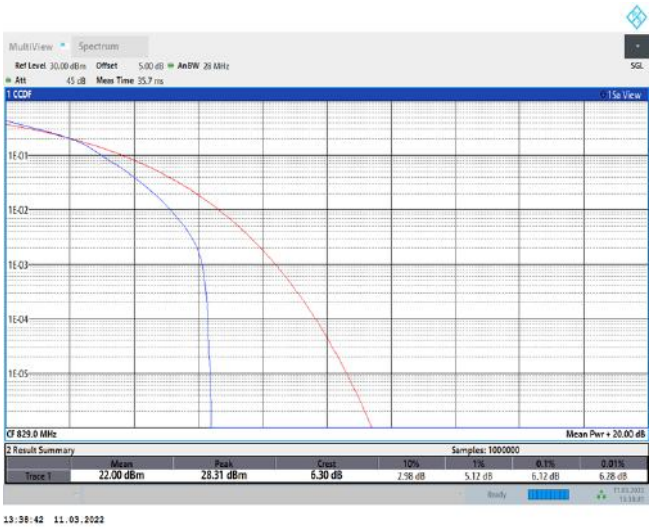
Band5-10MHz-QPSK-20600-50RB#0



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



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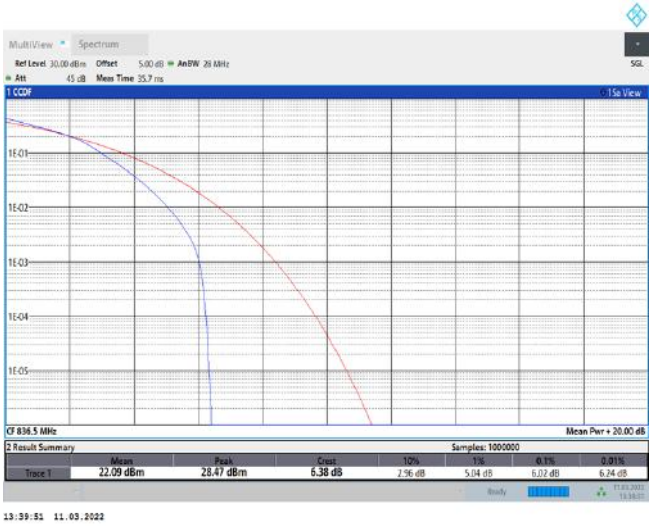
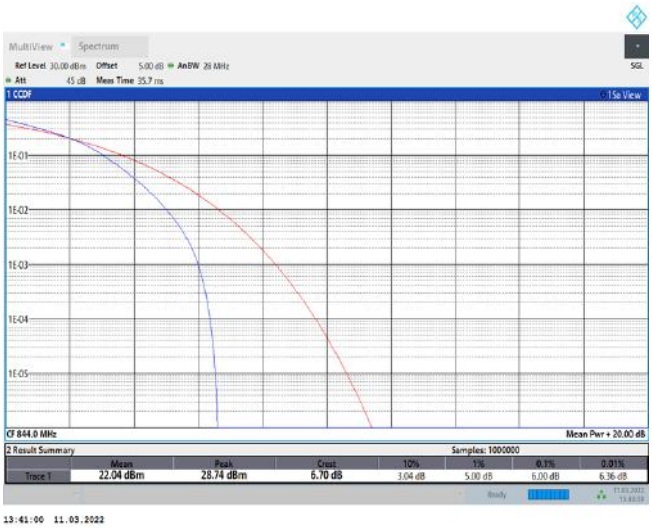
Band5-10MHz-16QAM-20525-50RB#0



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



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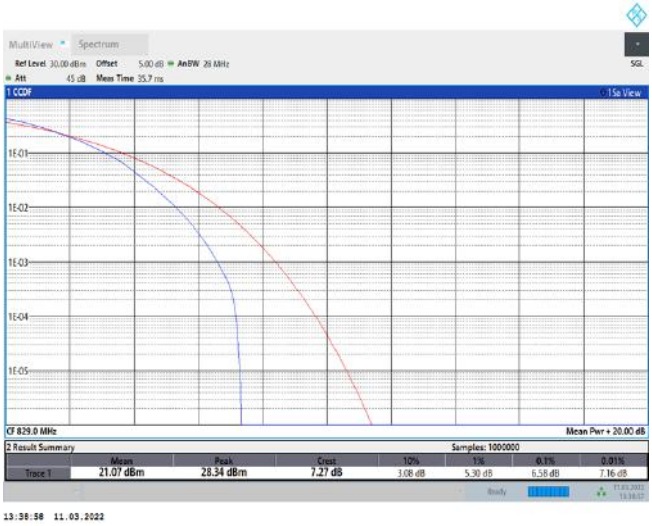
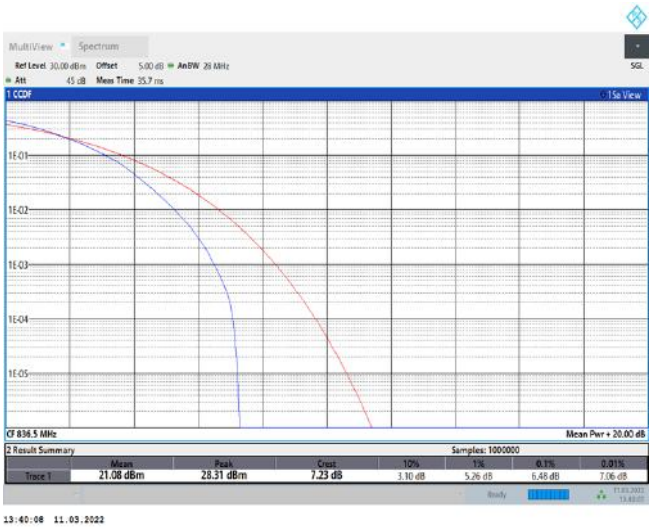
Band5-10MHz-64QAM-20450-50RB#0



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



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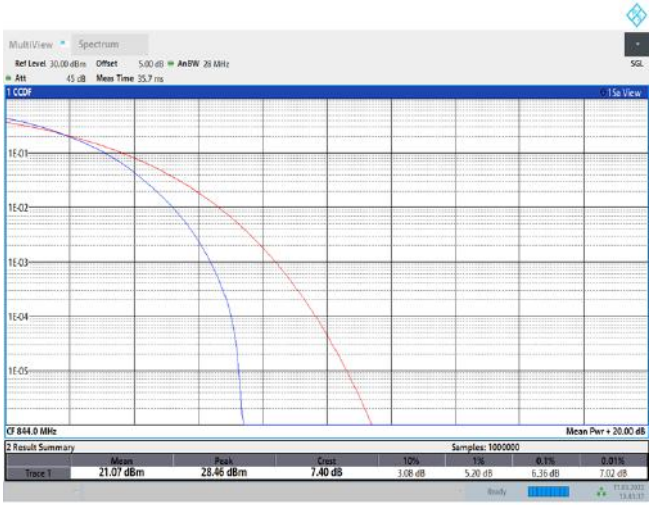
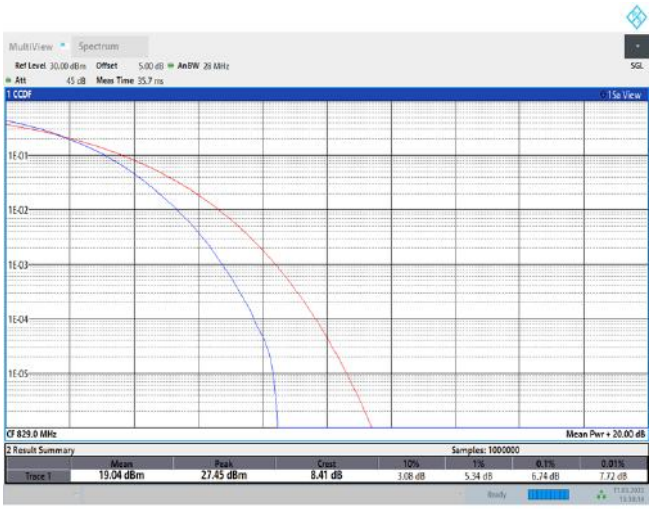
Band5-10MHz-64QAM-20600-50RB#0



Band5-10MHz-256QAM-20450-50RB#0



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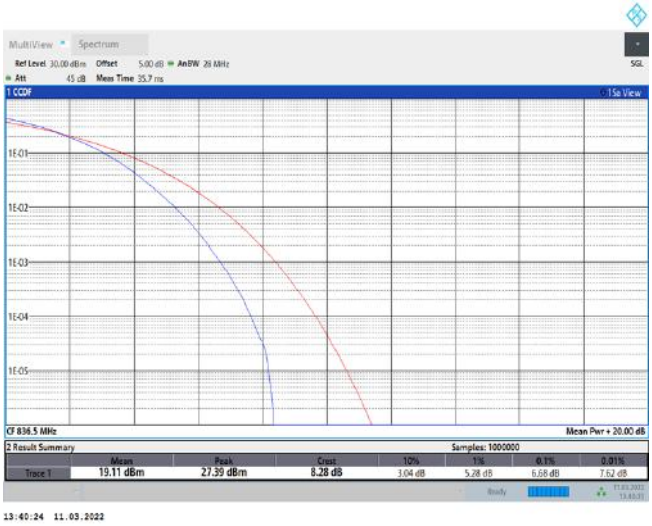
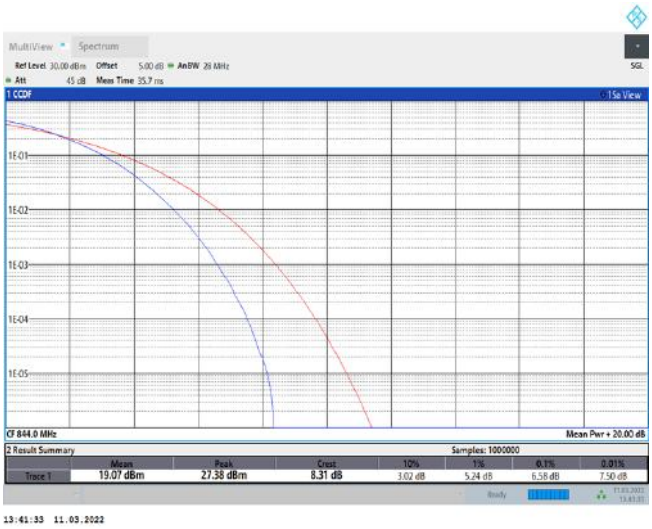
Band5-10MHz-256QAM-20525-50RB#0



Band5-10MHz-256QAM-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
Band5	10MHz	256QAM	20525	50RB#0	PASS	PASS

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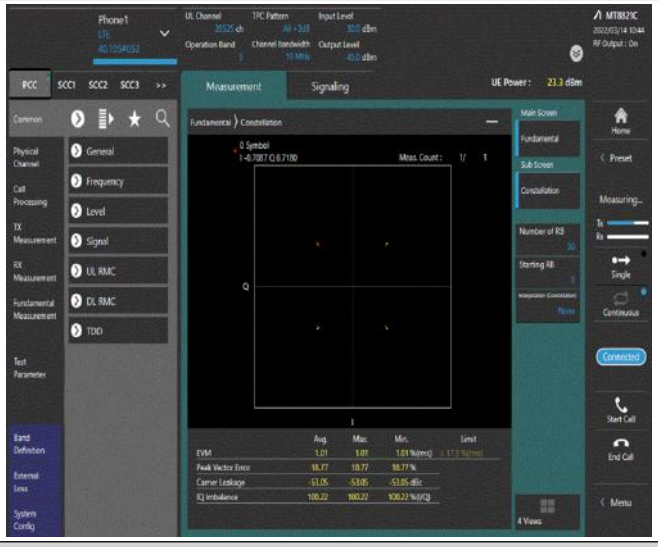
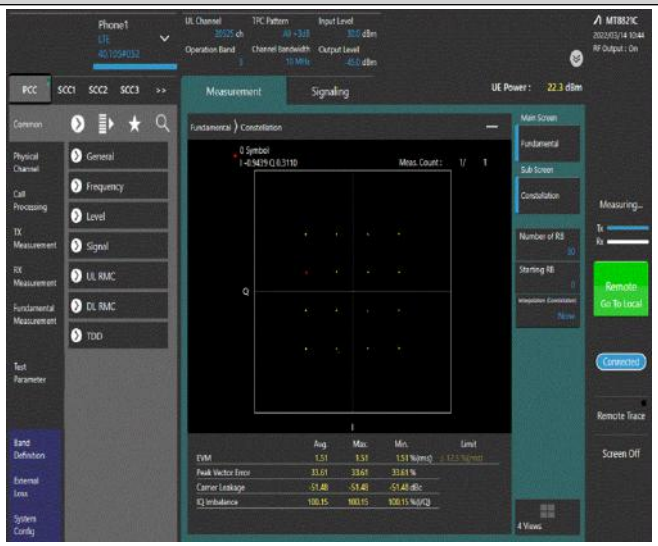
Test Graphs

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


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


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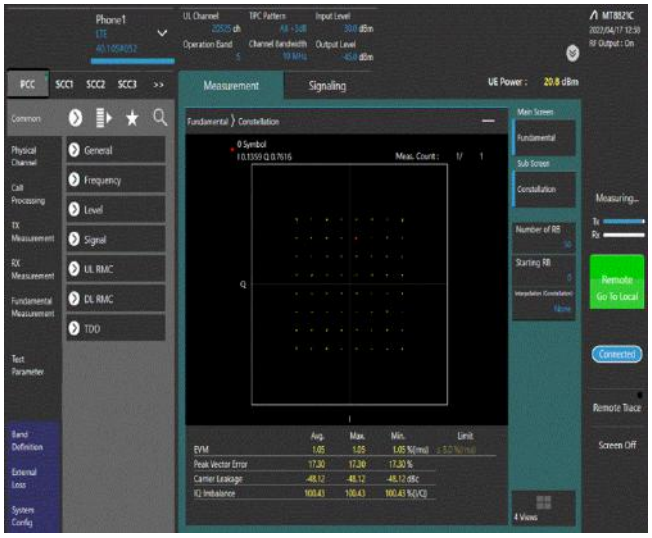
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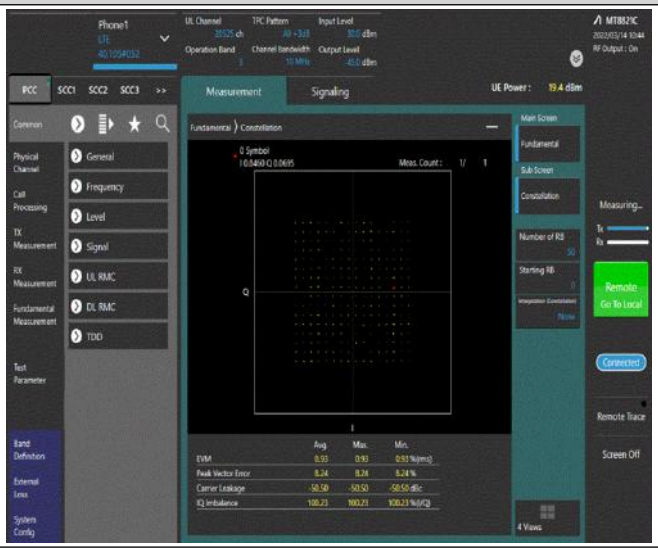

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.107	1.36	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.106	1.39	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.104	1.40	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.108	1.39	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.106	1.37	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.11	1.43	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.106	1.39	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.106	1.43	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.109	1.39	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	1.105	1.38	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.101	1.37	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	1.109	1.39	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.10	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	3.04	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	3.06	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7	3.08	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.698	3.06	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.697	3.04	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.702	3.05	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.7	3.05	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.693	3.05	PASS
Band5	3MHz	256QAM	20415	15RB#0	2.699	3.06	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.695	3.03	PASS
Band5	3MHz	256QAM	20635	15RB#0	2.699	3.06	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.483	5.11	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.477	5.02	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.477	5.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.483	5.05	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	5.07	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.47	5.06	PASS

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Band5	5MHz	64QAM	20425	25RB#0	4.48	5.08	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	5.01	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.471	5.01	PASS
Band5	5MHz	256QAM	20425	25RB#0	4.479	5.05	PASS
Band5	5MHz	256QAM	20525	25RB#0	4.471	5.02	PASS
Band5	5MHz	256QAM	20625	25RB#0	4.474	5.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.935	9.80	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.94	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.915	9.78	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.941	9.78	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.94	9.74	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.922	9.84	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.934	9.74	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.932	9.96	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.929	9.74	PASS
Band5	10MHz	256QAM	20450	50RB#0	8.929	9.82	PASS
Band5	10MHz	256QAM	20525	50RB#0	8.934	9.94	PASS
Band5	10MHz	256QAM	20600	50RB#0	8.937	9.78	PASS

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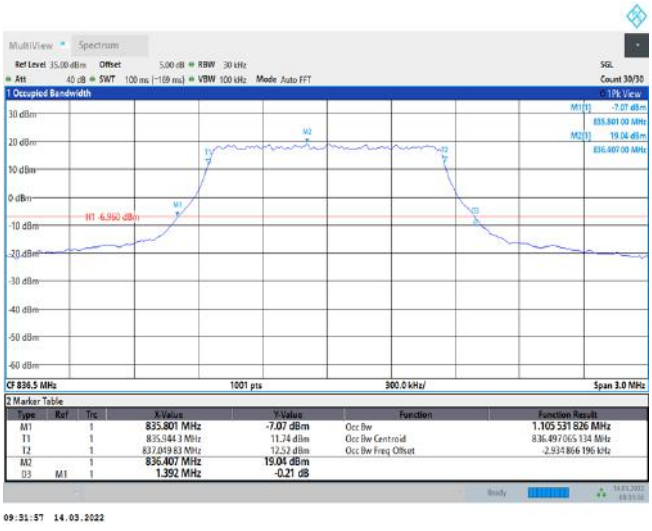
Test Graphs

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

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


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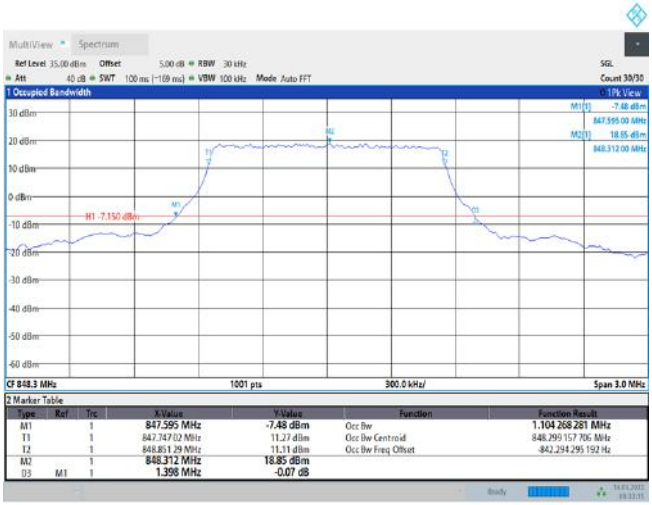
Band5-1.4MHz-QPSK-20643-6RB#0



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

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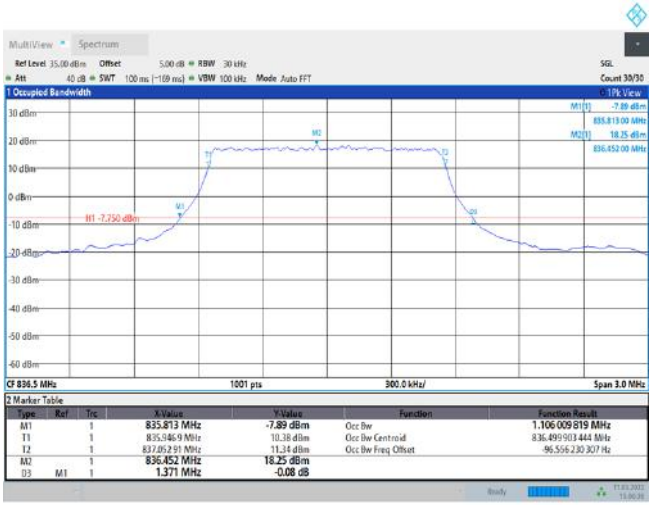
Band5-1.4MHz-16QAM-20525-6RB#0



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

13:07:35 11.03.2022

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

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

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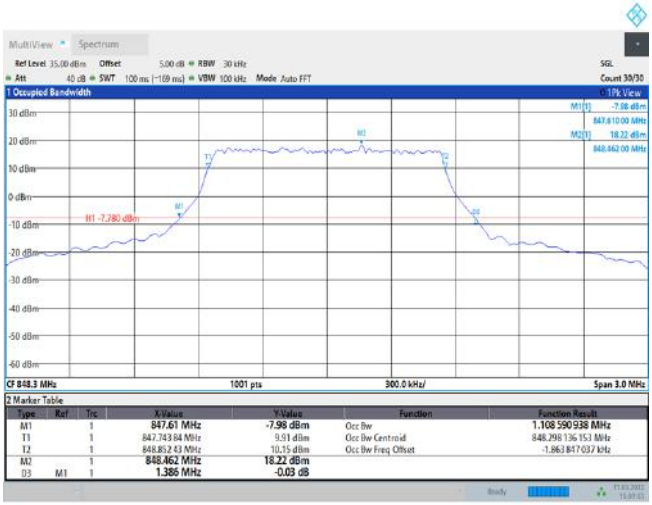
Band5-1.4MHz-64QAM-20643-6RB#0



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Band5-1.4MHz-256QAM-20407-6RB#0

13:05:42 11.03.2022

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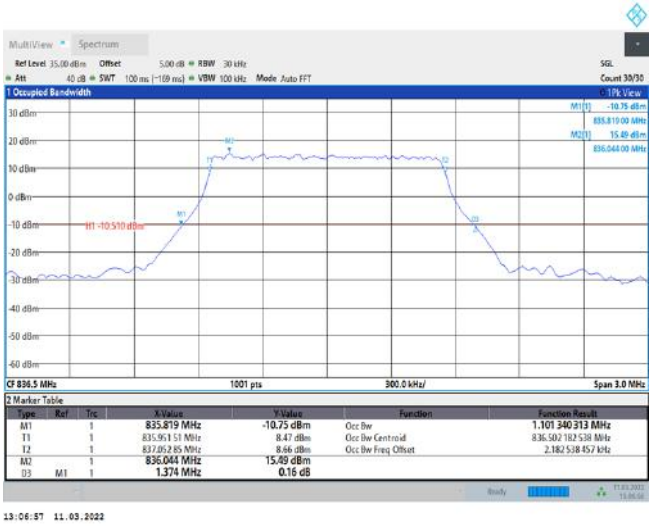
Band5-1.4MHz-256QAM-20525-6RB#0



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Band5-1.4MHz-256QAM-20643-6RB#0

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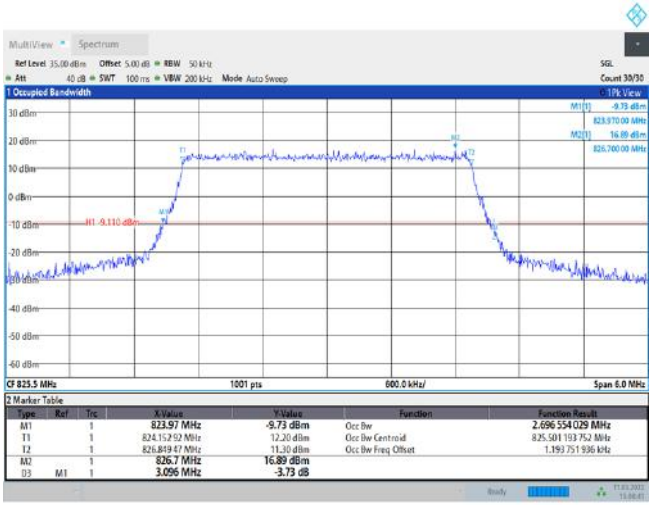
Band5-3MHz-QPSK-20415-15RB#0



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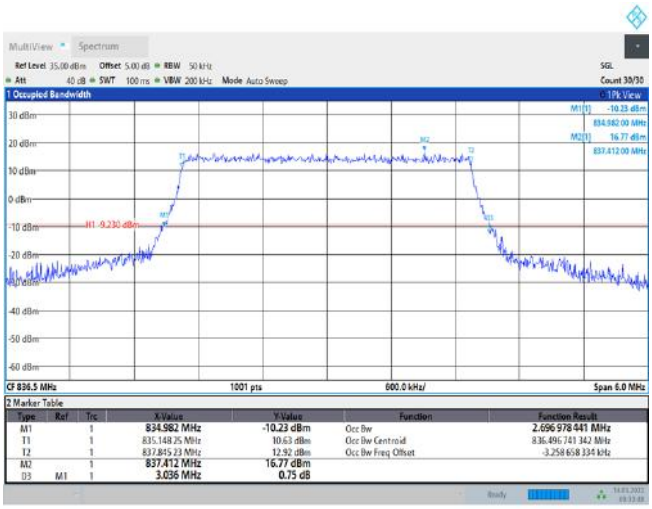
Band5-3MHz-QPSK-20525-15RB#0



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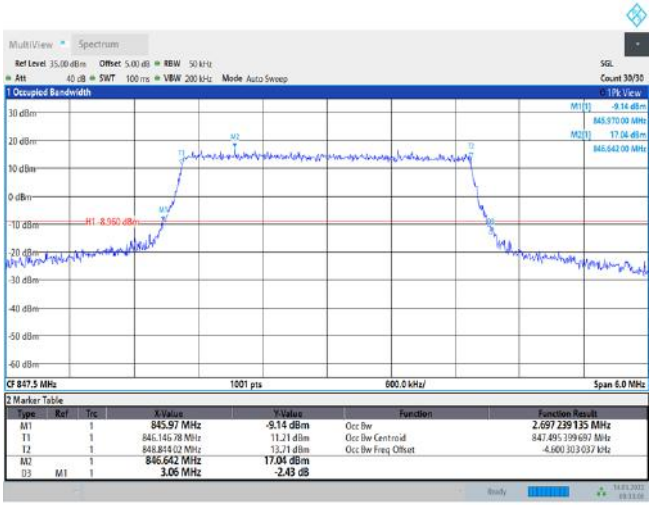
Band5-3MHz-QPSK-20635-15RB#0



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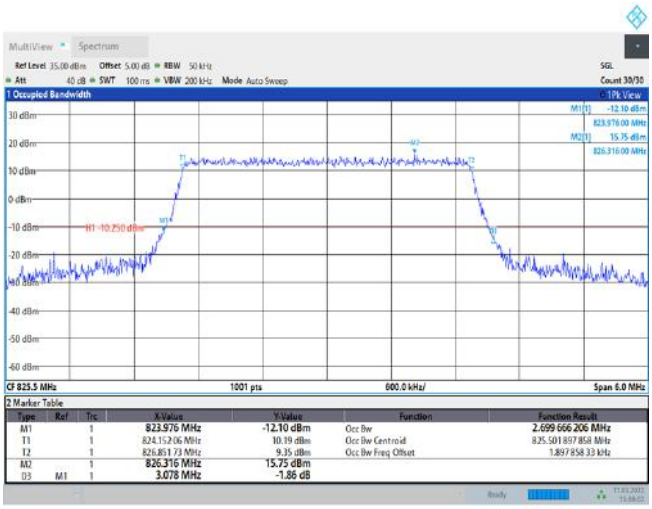

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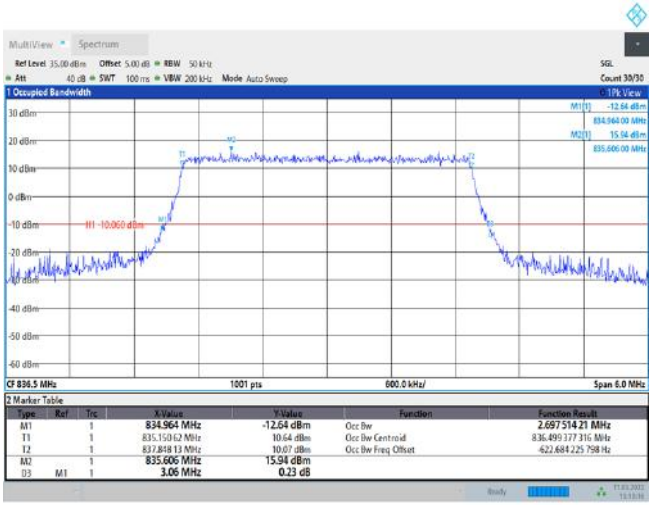
Band5-3MHz-16QAM-20525-15RB#0



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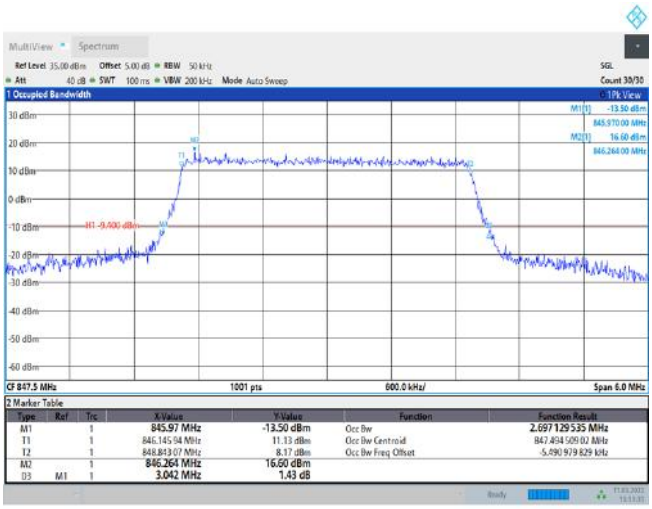

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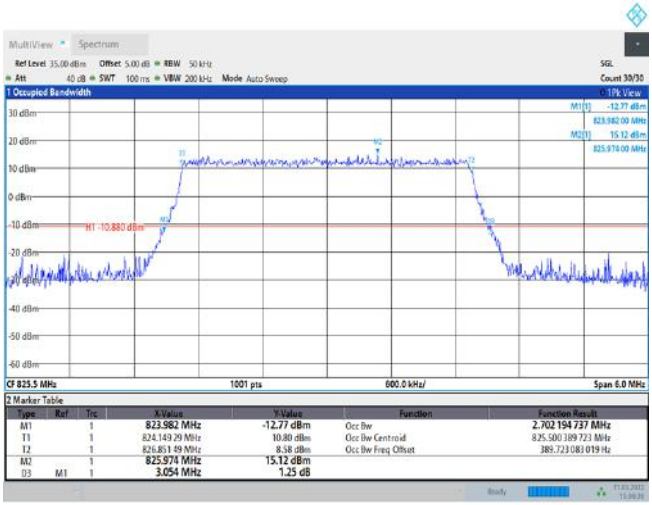
Band5-3MHz-64QAM-20415-15RB#0



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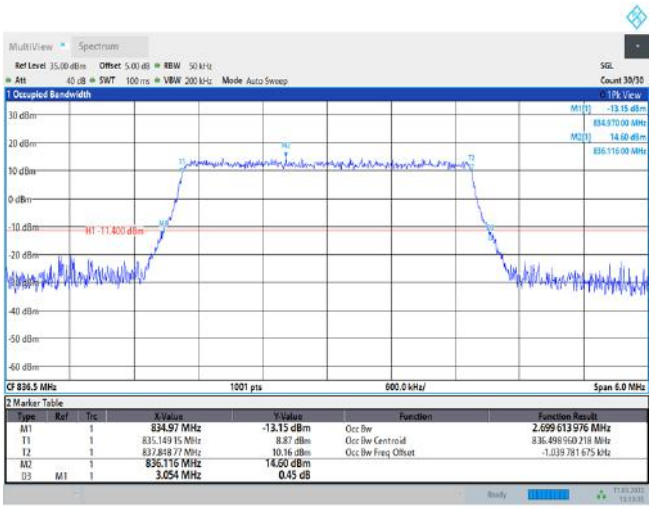
Band5-3MHz-64QAM-20525-15RB#0



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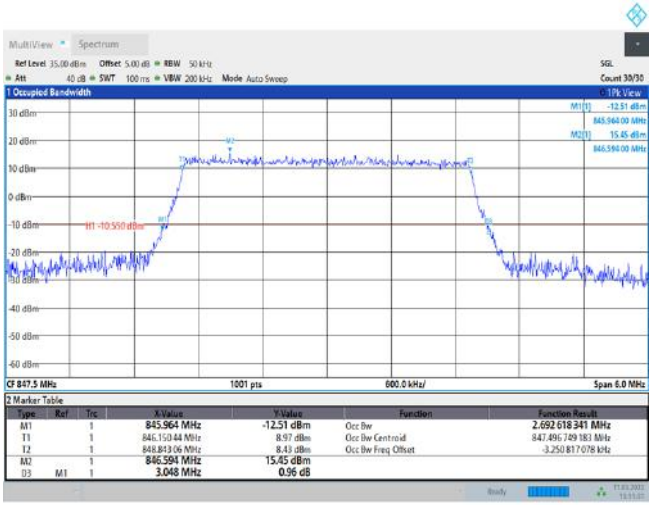

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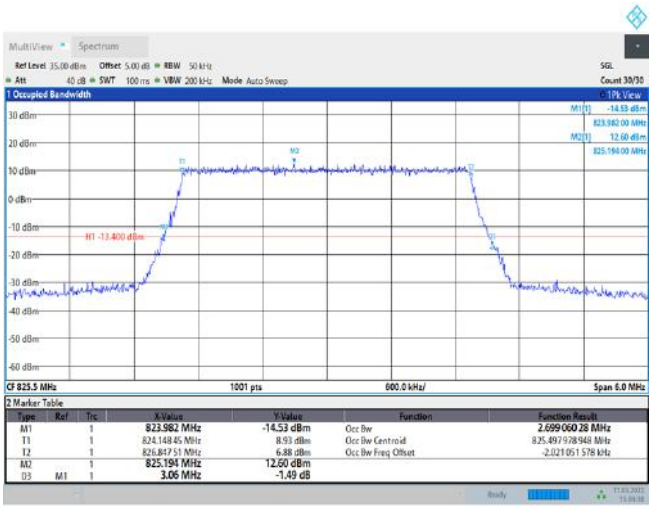
Band5-3MHz-256QAM-20415-15RB#0



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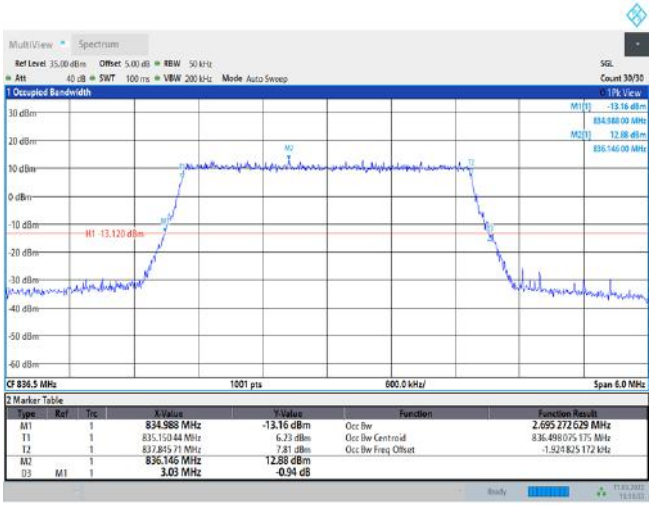

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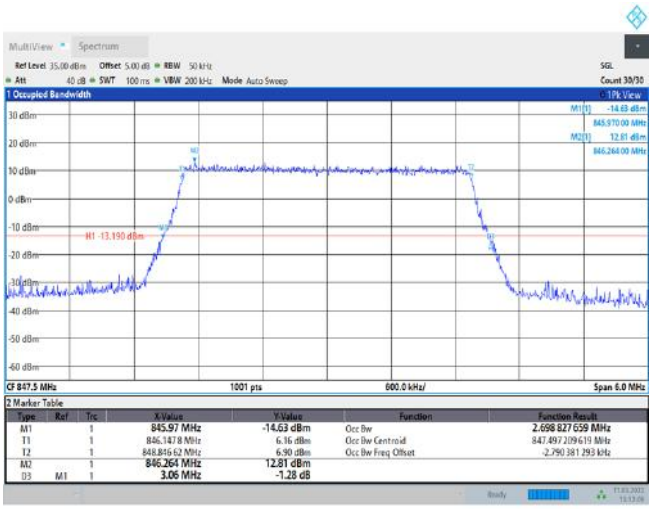

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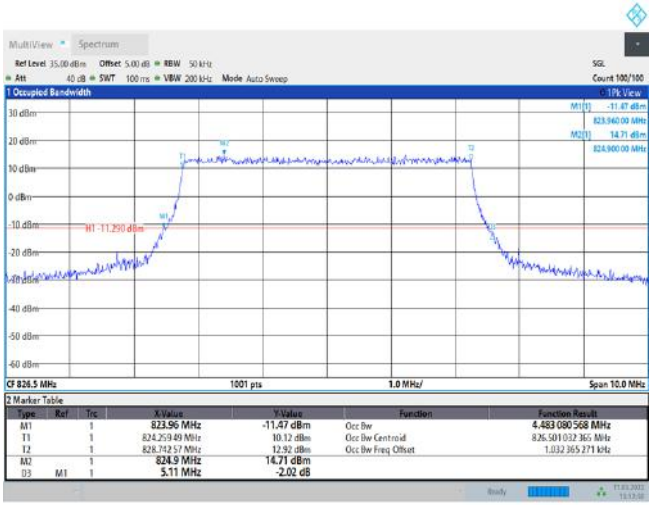

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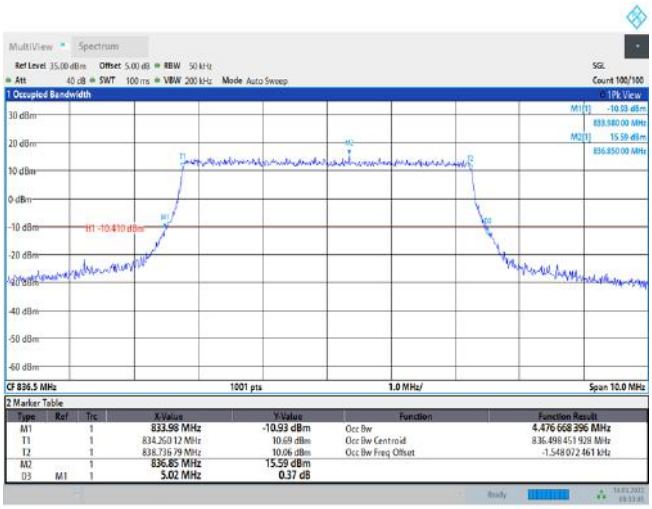

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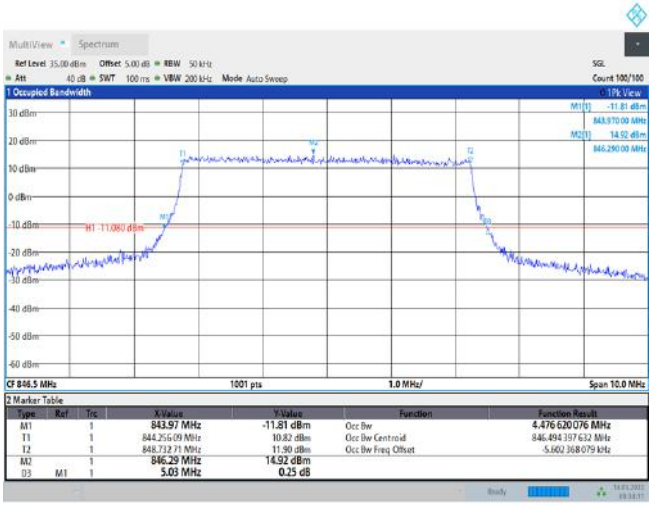

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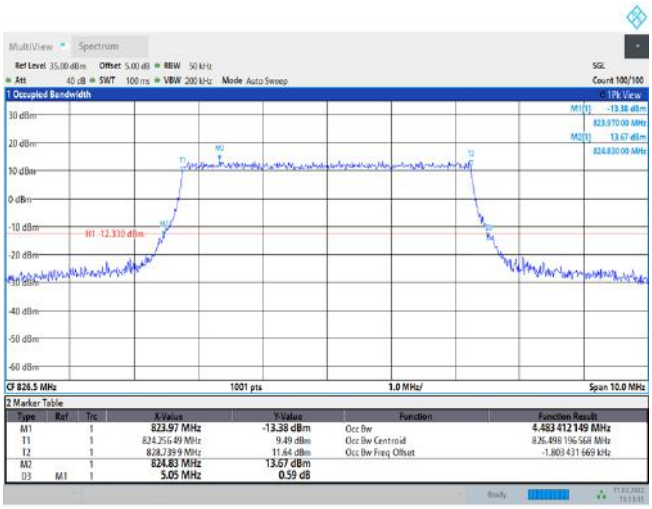

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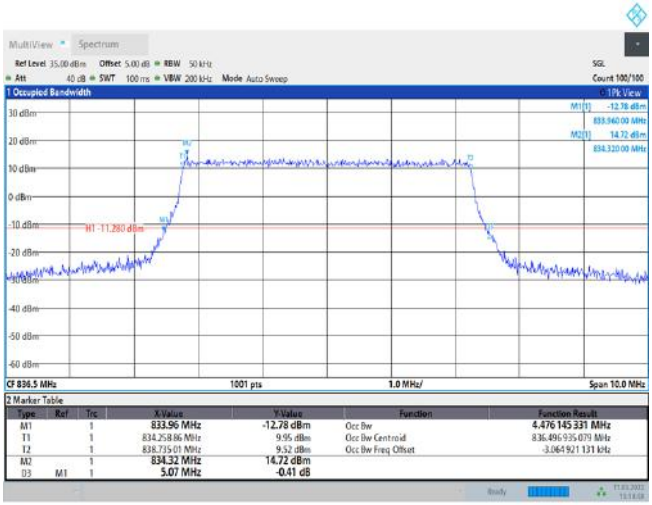

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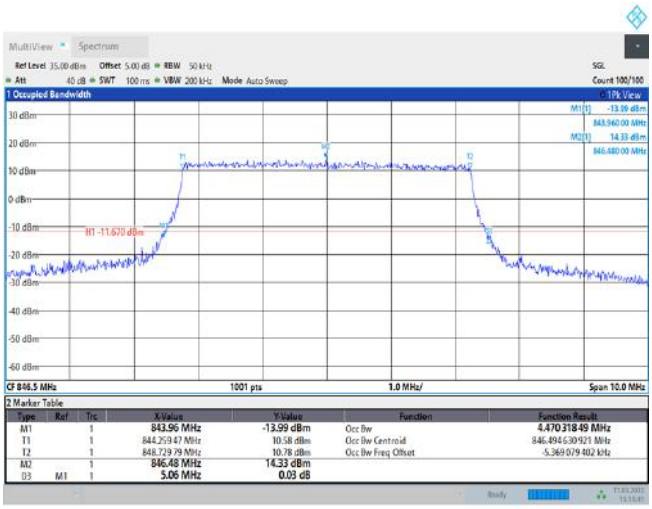

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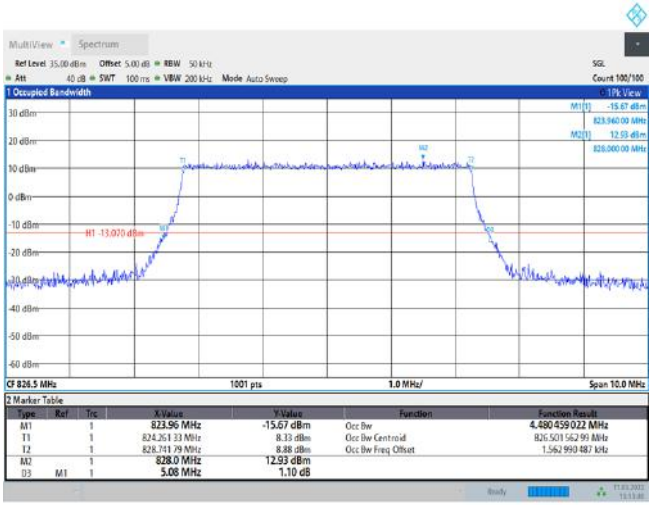
Band5-5MHz-64QAM-20425-25RB#0



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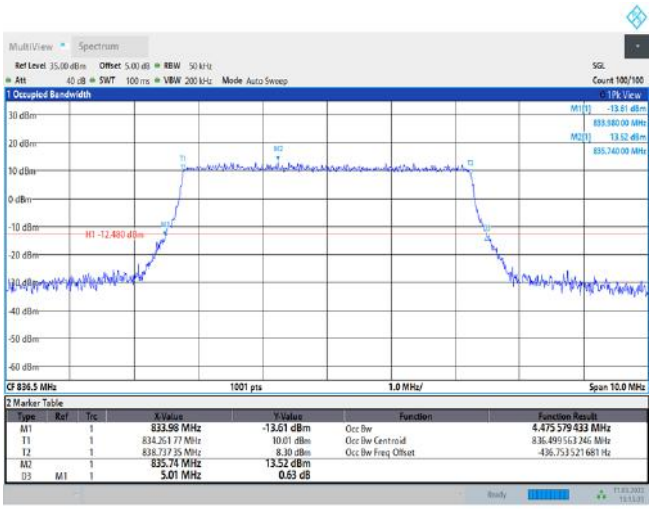

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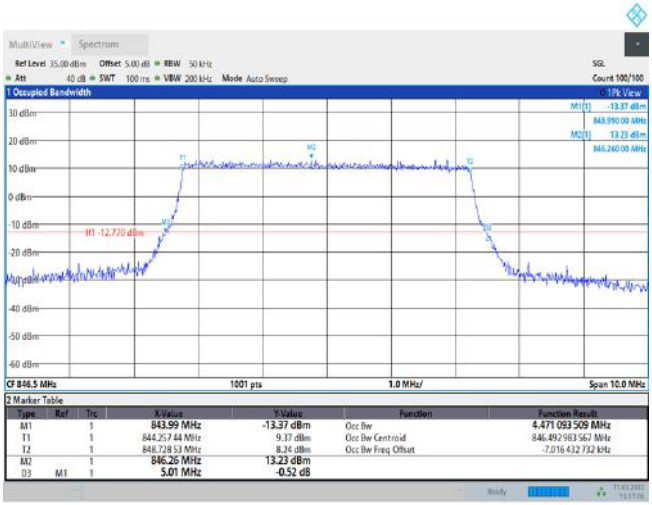

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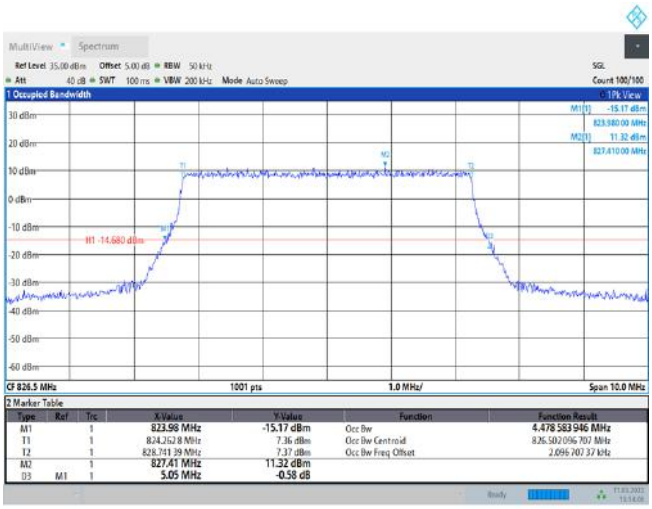
Band5-5MHz-256QAM-20425-25RB#0



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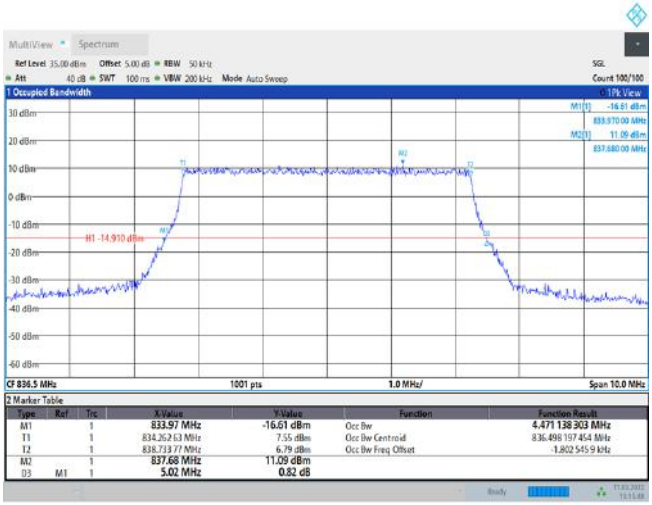
Band5-5MHz-256QAM-20525-25RB#0



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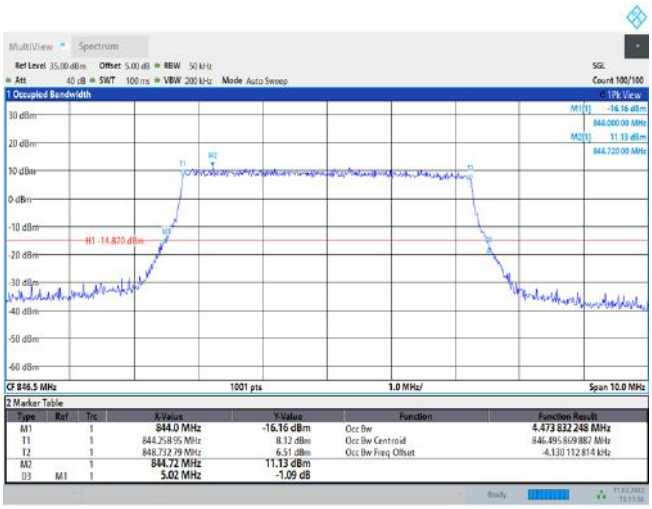

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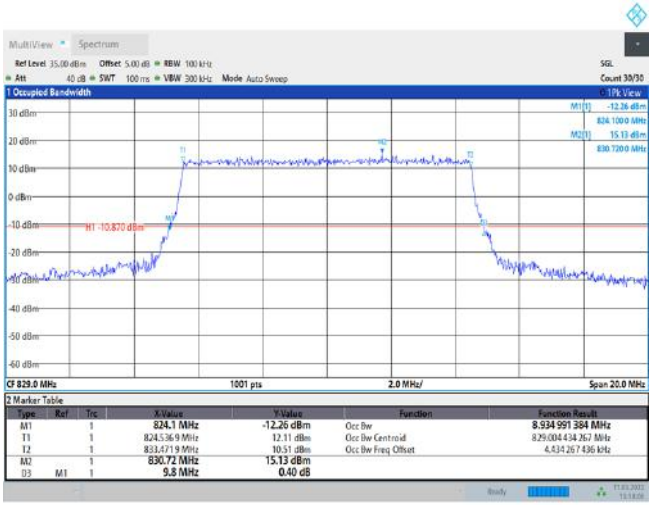
Band5-10MHz-QPSK-20450-50RB#0



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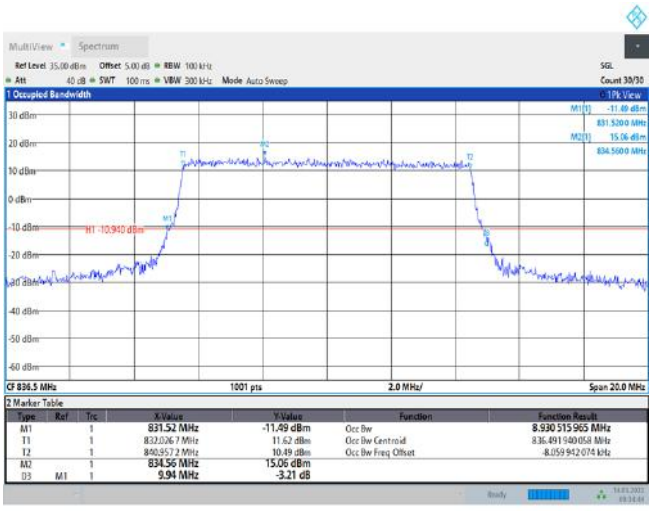

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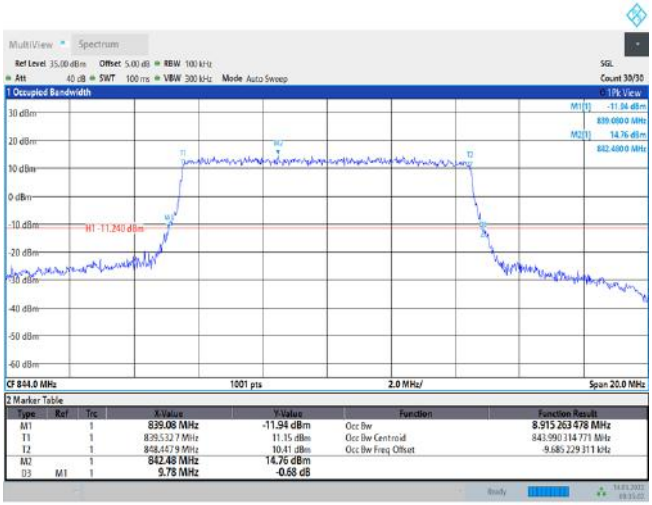
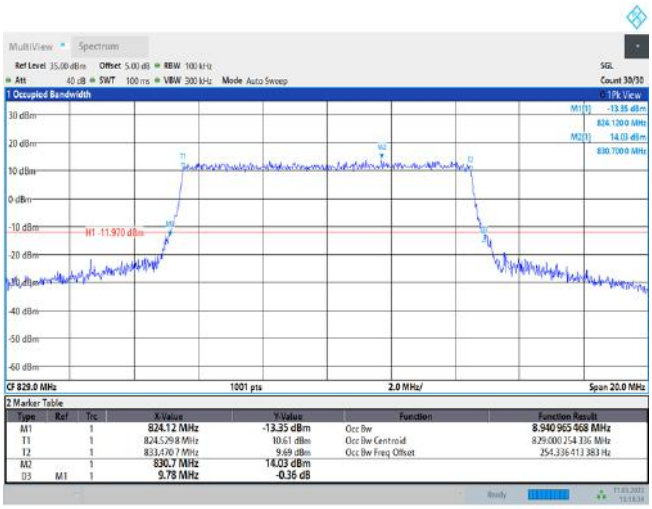
Band5-10MHz-QPSK-20600-50RB#0



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



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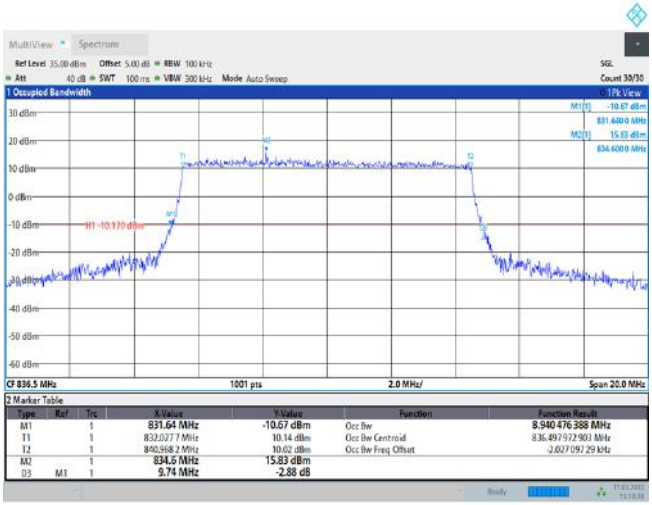
Band5-10MHz-16QAM-20525-50RB#0



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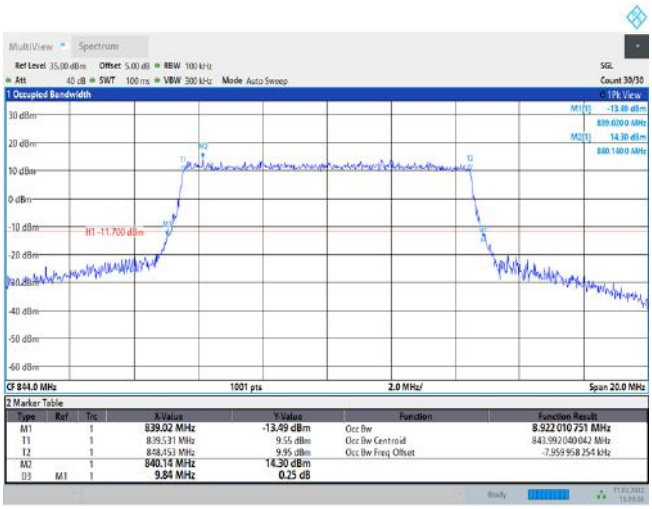
Band5-10MHz-16QAM-20600-50RB#0



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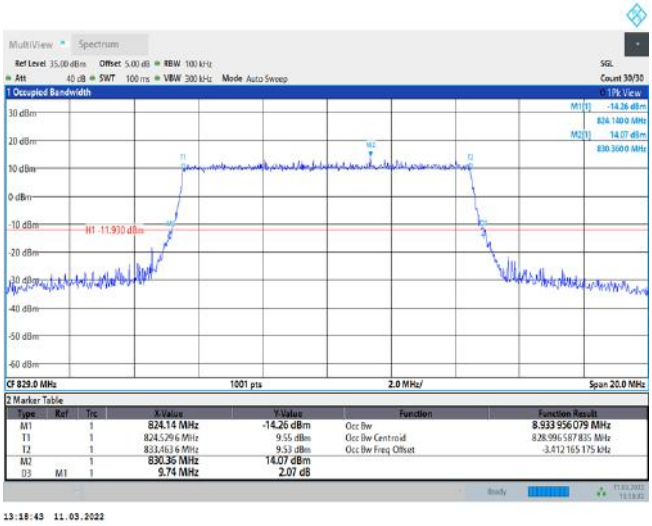
Band5-10MHz-64QAM-20450-50RB#0



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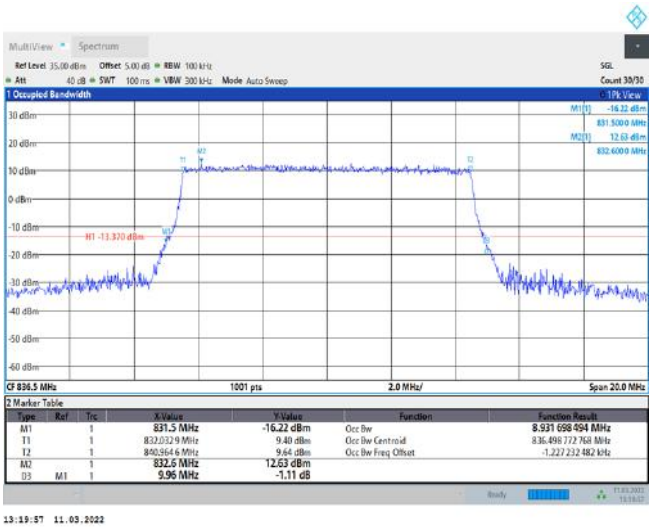

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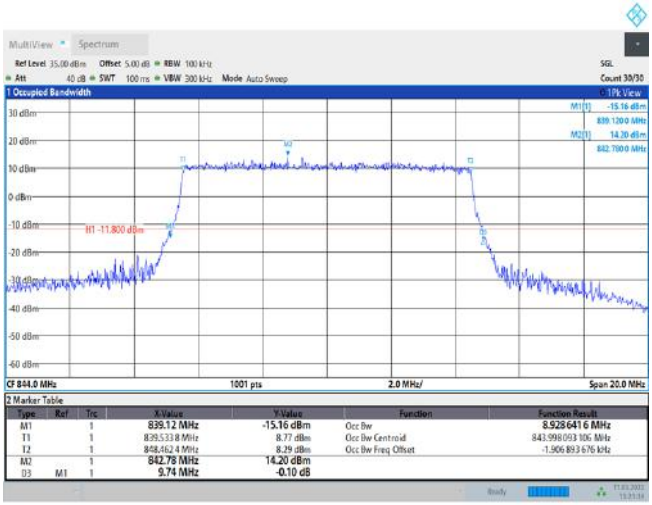
Band5-10MHz-64QAM-20600-50RB#0



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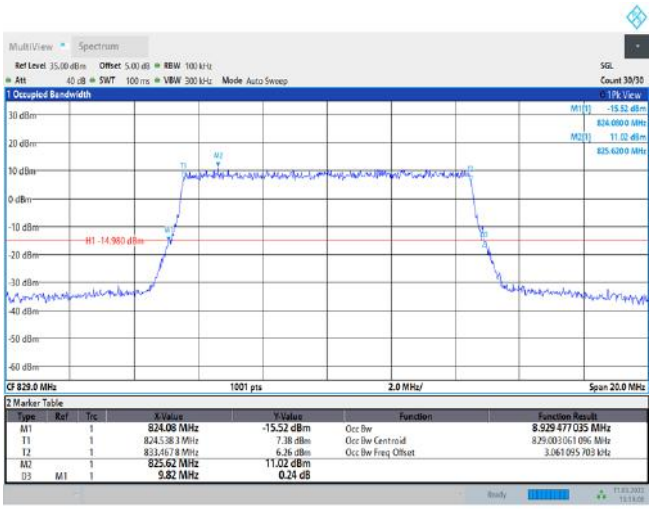
Band5-10MHz-256QAM-20450-50RB#0



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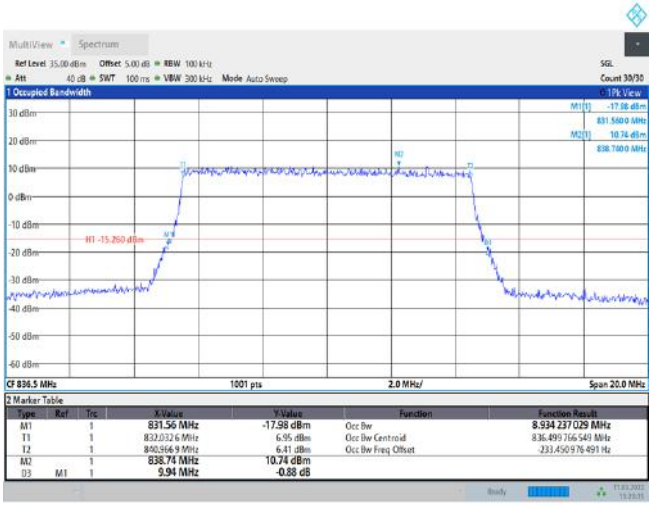
Band5-10MHz-256QAM-20525-50RB#0



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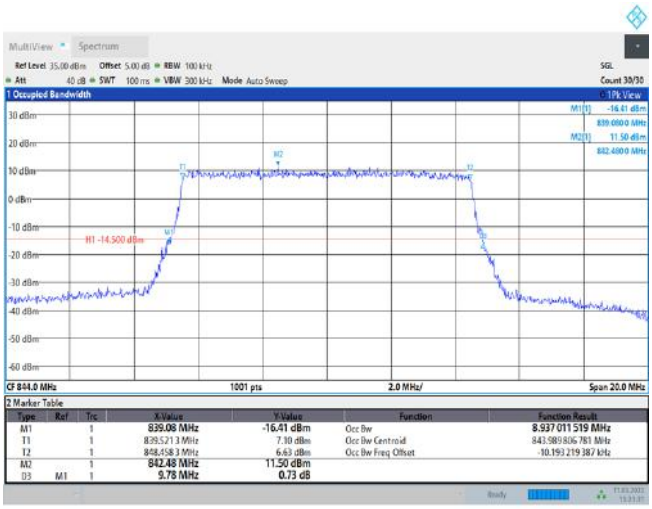
Band5-10MHz-256QAM-20600-50RB#0



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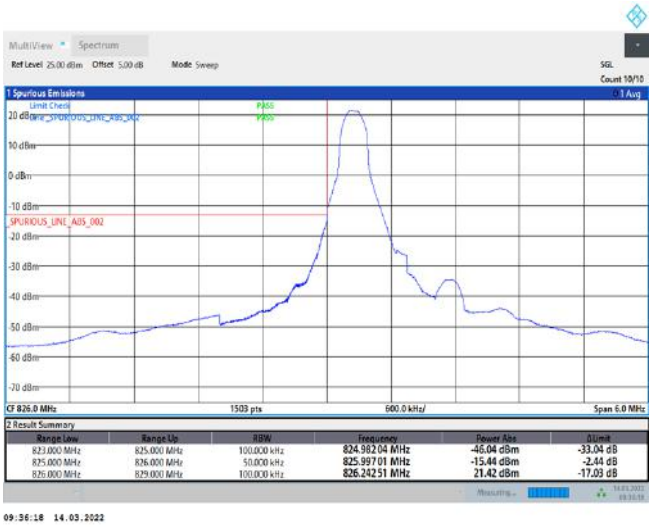
Band Edge

Test Graphs

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



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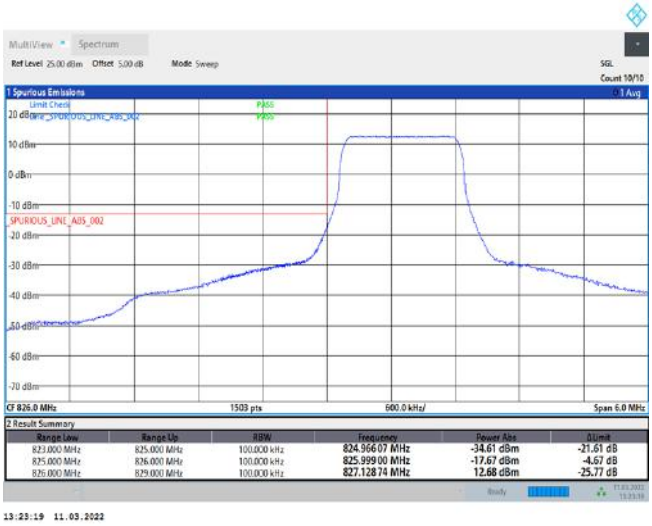

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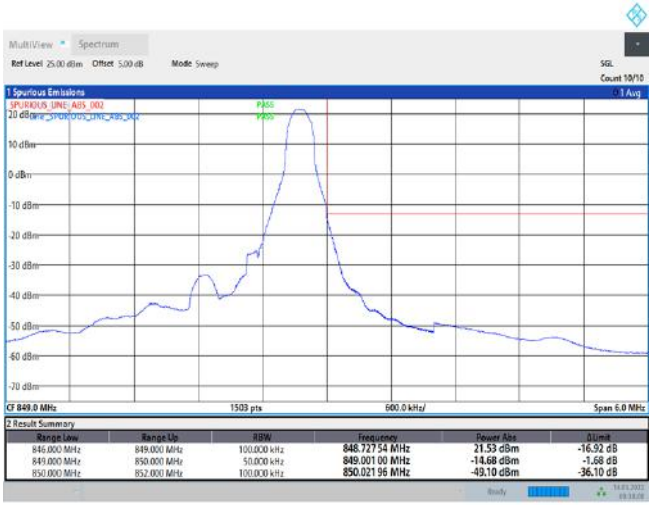
Band5-1.4MHz-QPSK-20643-1RB#5



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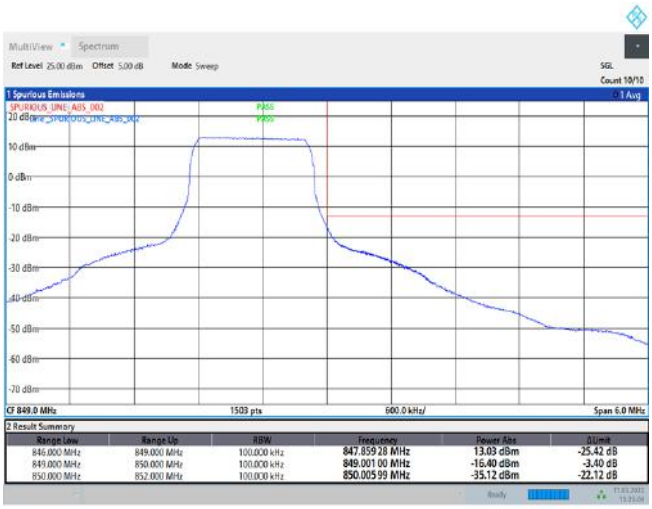

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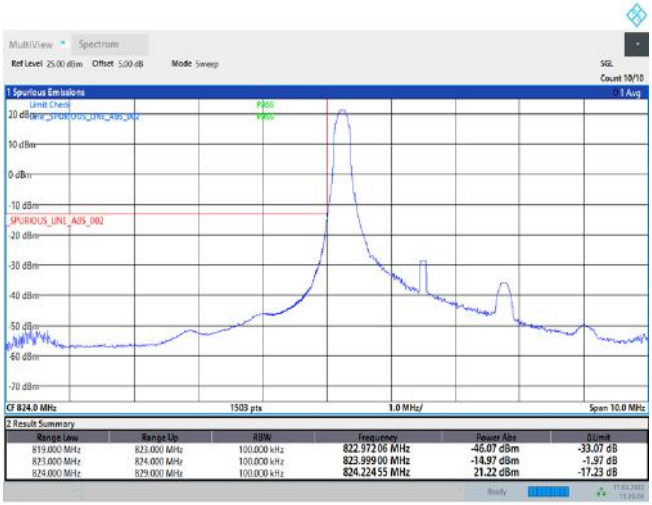
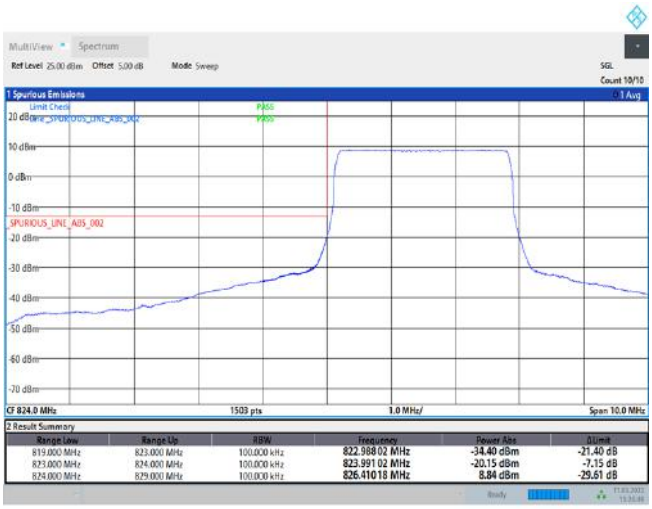


Band5-3MHz-QPSK-20415-15RB#0



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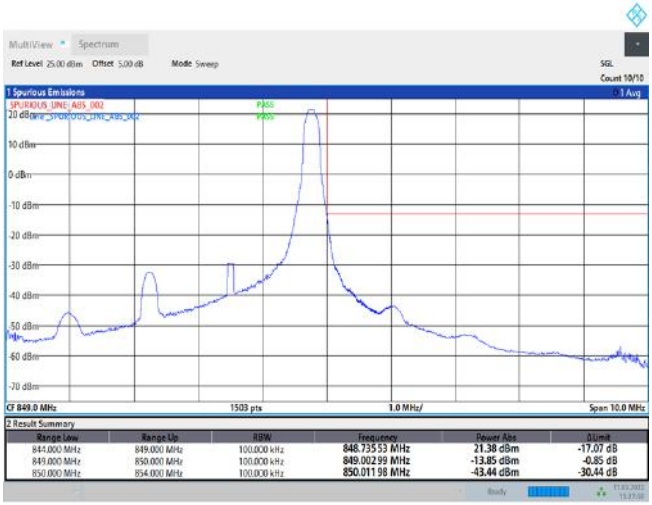
Band5-3MHz-QPSK-20635-1RB#14



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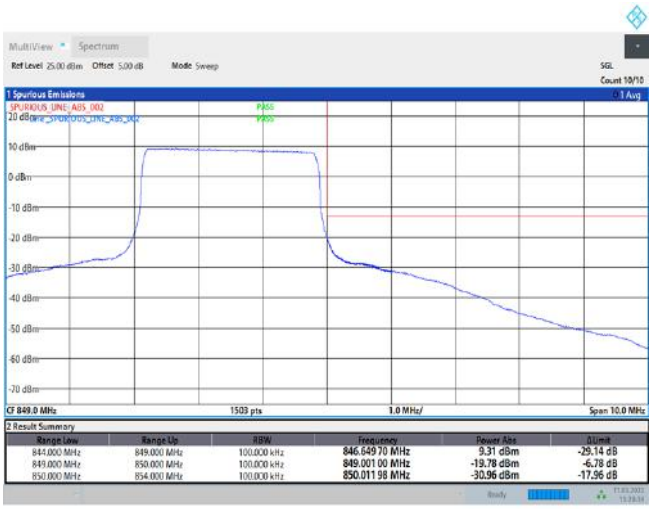
Band5-3MHz-QPSK-20635-15RB#0



13:28:34 11.03.2022

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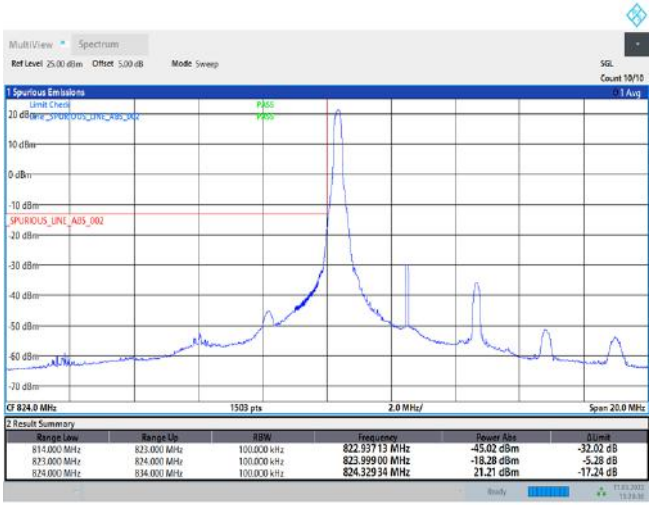
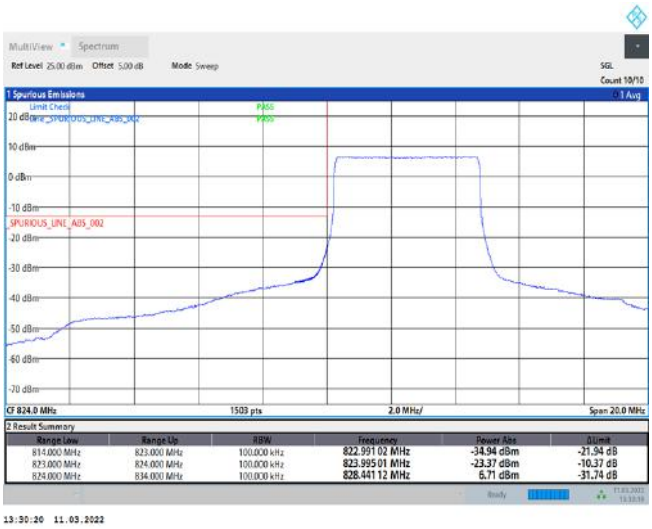
Band5-5MHz-QPSK-20425-1RB#0



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



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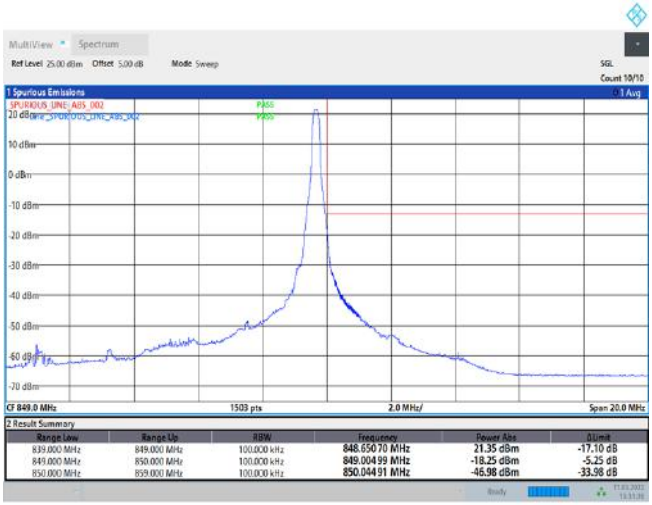
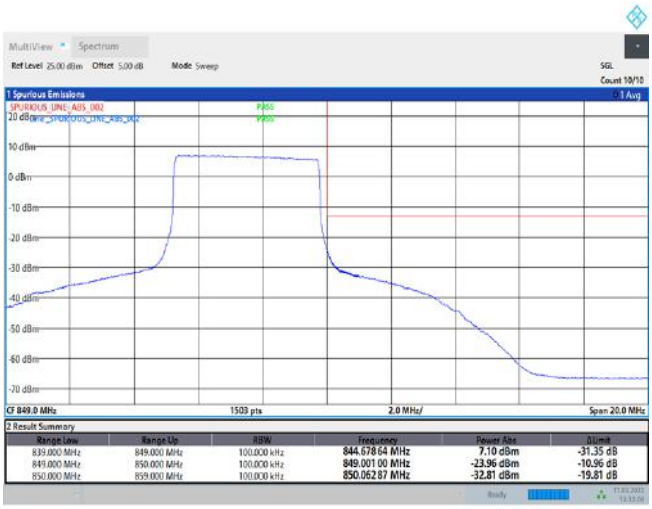
Band5-5MHz-QPSK-20625-1RB#24



13:31:21 11.03.2022

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



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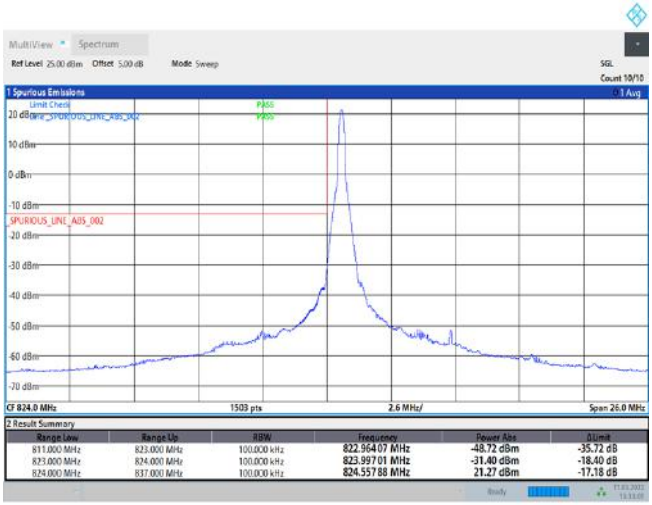
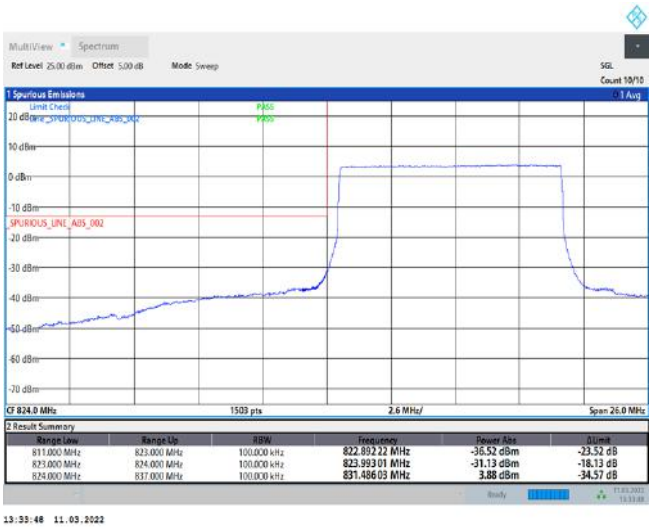
Band5-10MHz-QPSK-20450-1RB#0



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



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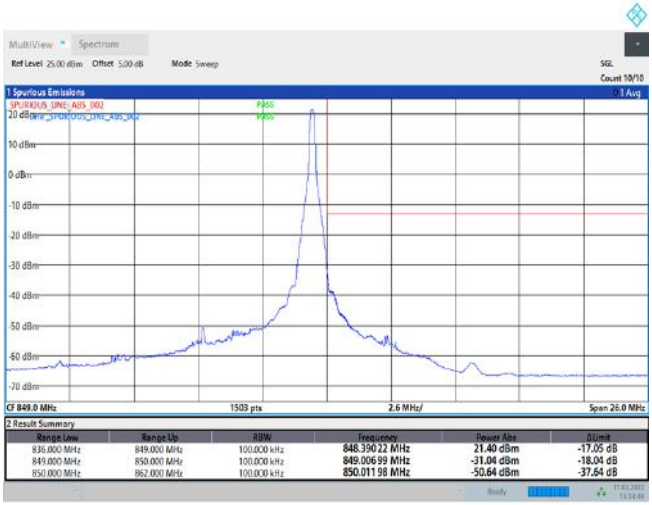
Band5-10MHz-QPSK-20600-1RB#49



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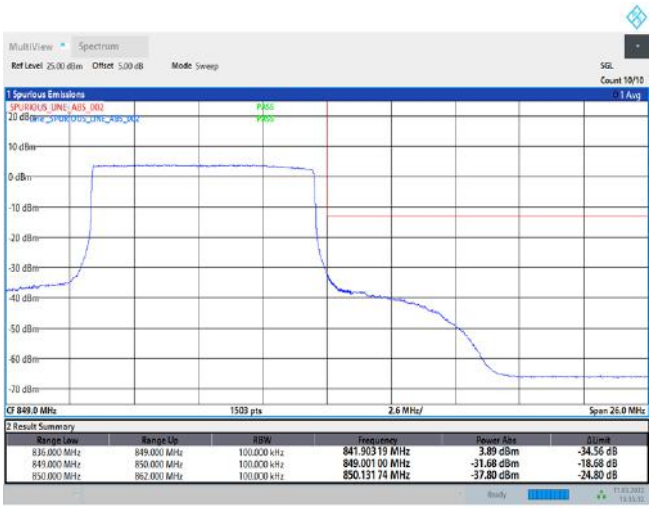
Band5-10MHz-QPSK-20600-50RB#0



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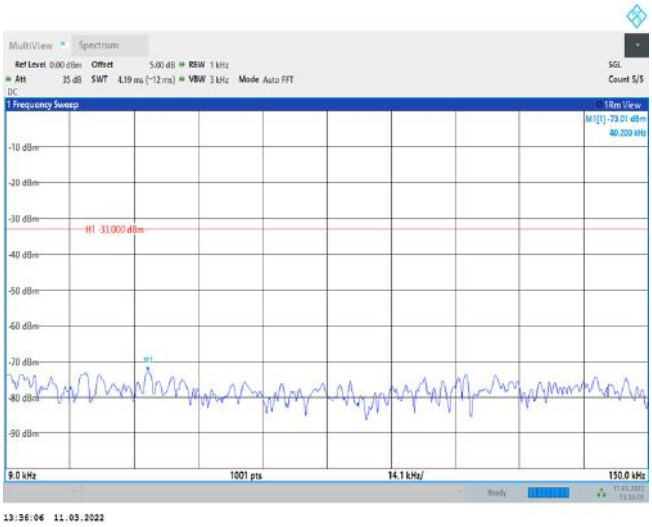
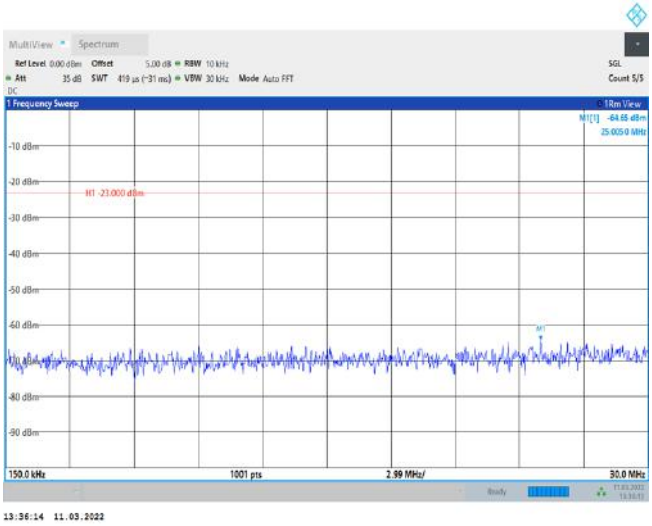
Conducted Spurious Emission

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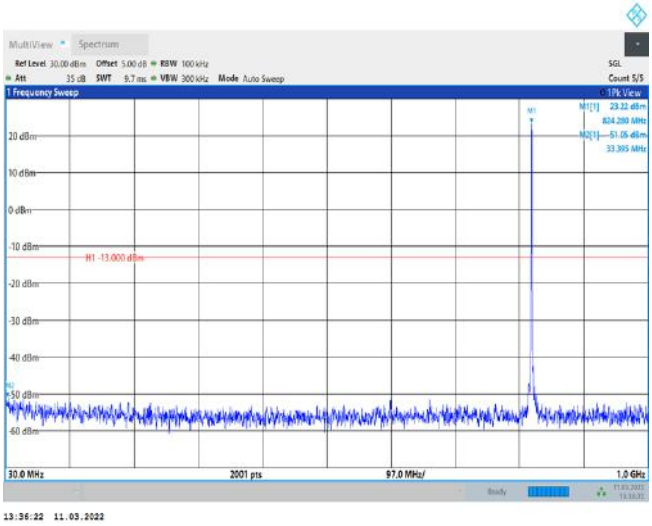
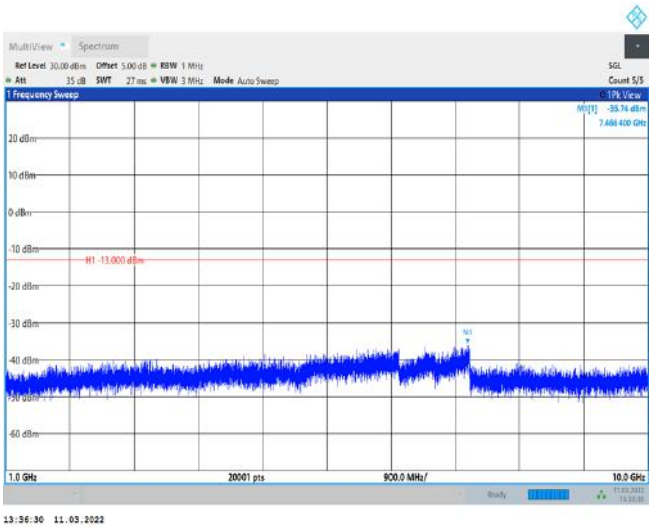
Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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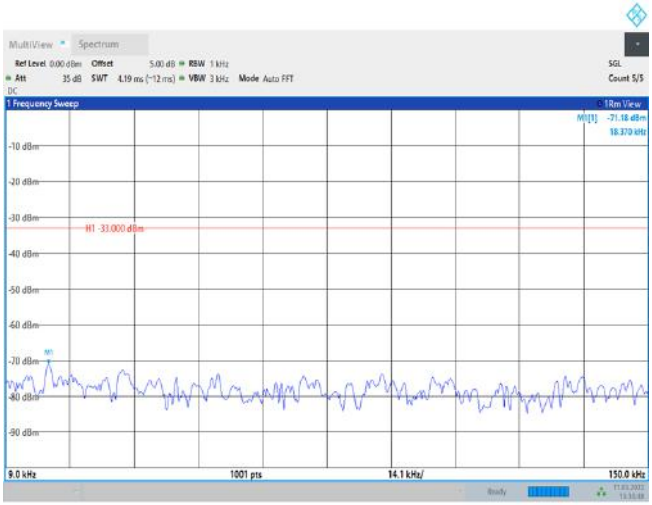
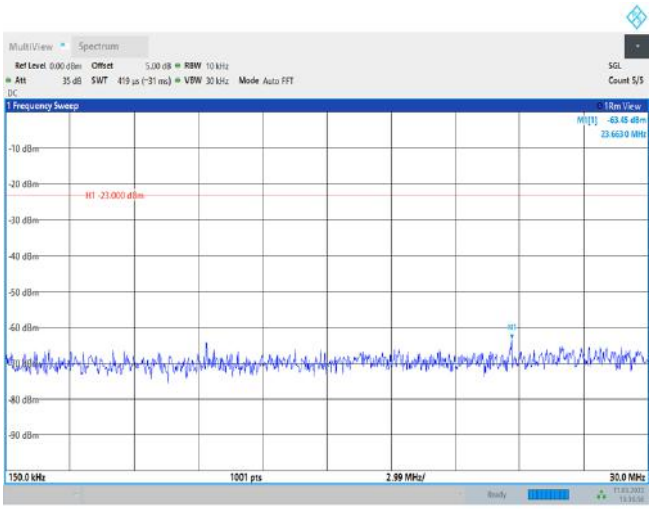
Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



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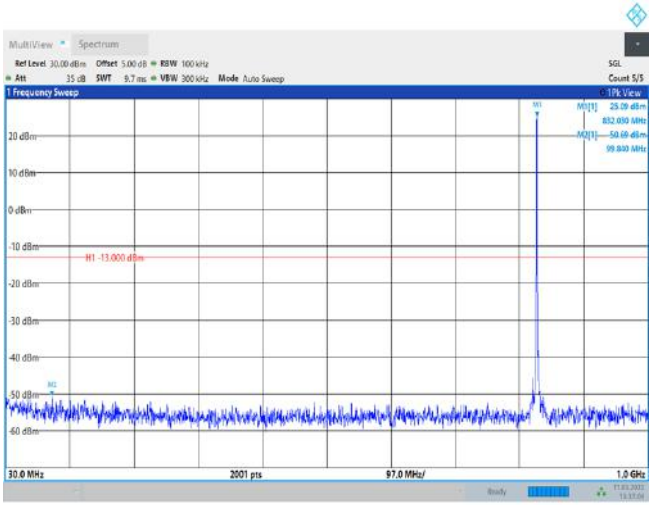
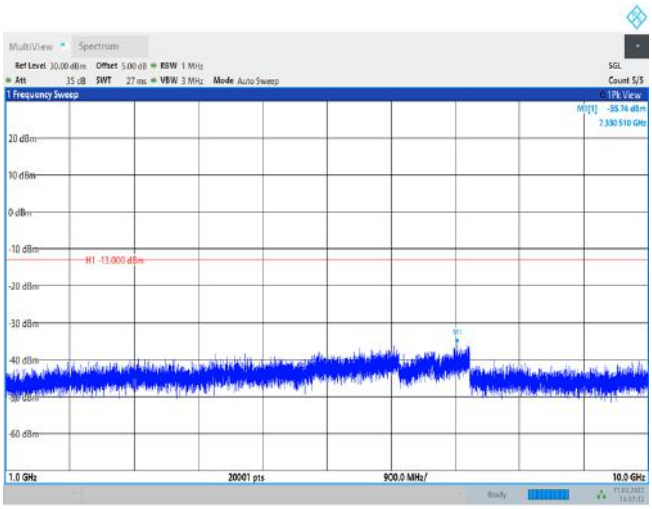
Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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



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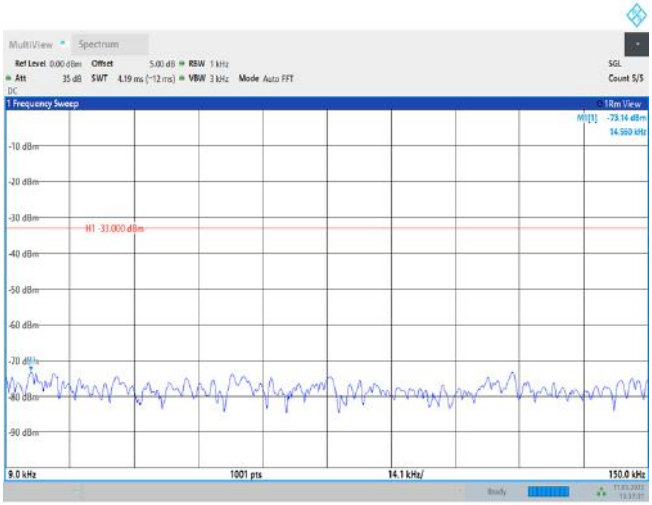
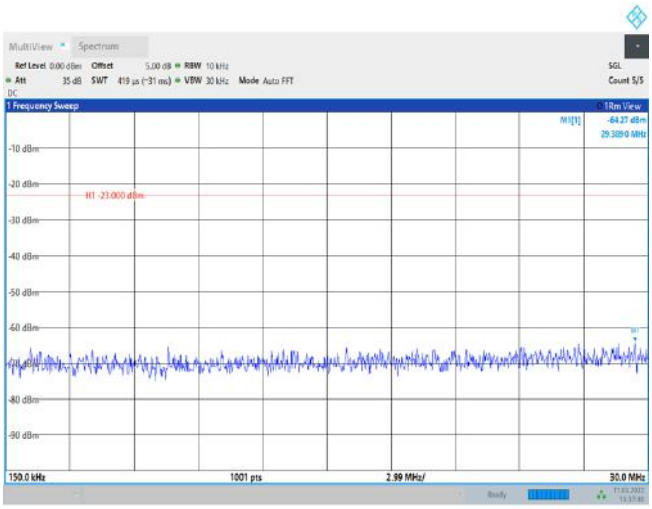
Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



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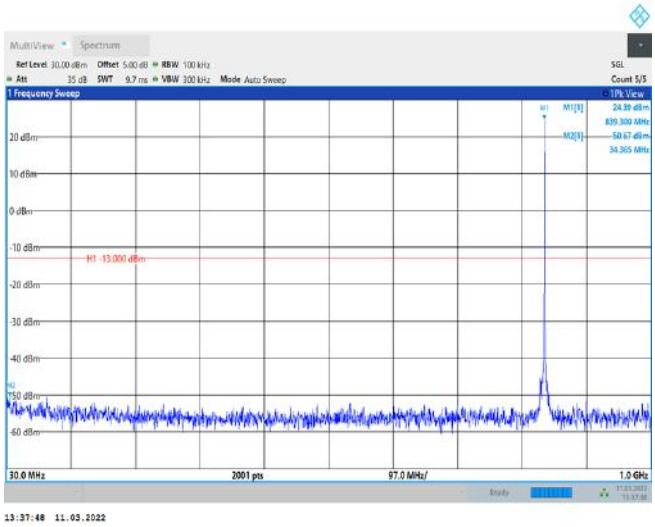
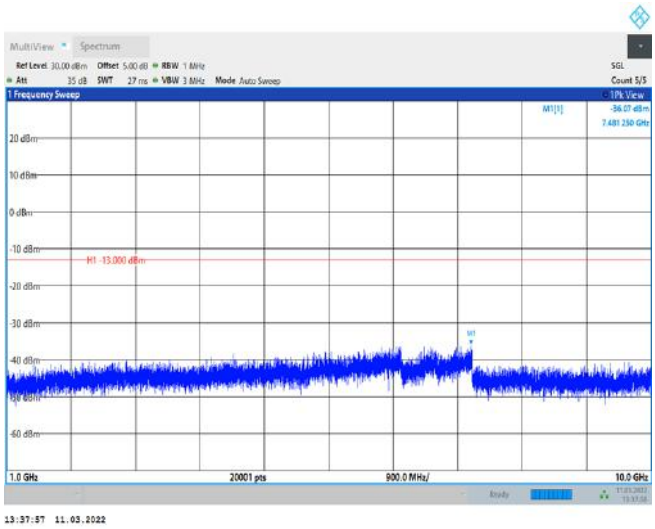
Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = _LTE Band5 TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	90.19	-118.11	-27.92	-13.00	14.92	184	38	Horizontal
2	2473.7143	85.93	-114.89	-28.96	-13.00	15.96	196	152	Horizontal
3	3298.2857	69.00	-112.38	-43.38	-13.00	30.38	235	164	Horizontal
4	4122.9500	55.41	-110.19	-54.78	-13.00	41.78	178	154	Horizontal
5	4947.5400	49.90	-108.22	-58.32	-13.00	45.32	102	102	Horizontal
6	5772.1300	49.11	-106.25	-57.14	-13.00	44.14	133	358	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	75.04	-118.11	-43.07	-13.00	30.07	175	286	Vertical
2	2473.7143	73.48	-114.89	-41.41	-13.00	28.41	146	108	Vertical
3	3298.2857	60.85	-112.38	-51.53	-13.00	38.53	233	171	Vertical
4	4122.9500	49.46	-110.19	-60.73	-13.00	47.73	201	357	Vertical
5	4947.5400	50.09	-108.22	-58.13	-13.00	45.13	199	18	Vertical
6	5772.1300	49.85	-106.25	-56.40	-13.00	43.40	254	310	Vertical

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Test Band = _LTE Band5 TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	85.03	-118.09	-33.06	-13.00	20.06	185	24	Horizontal
2	2496.2700	85.74	-114.78	-29.04	-13.00	16.04	164	24	Horizontal
3	3328.3600	64.75	-112.38	-47.63	-13.00	34.63	196	265	Horizontal
4	4160.4500	53.77	-110.16	-56.39	-13.00	43.39	233	114	Horizontal
5	4992.5400	51.11	-108.19	-57.08	-13.00	44.08	205	265	Horizontal
6	5824.6300	48.97	-106.20	-57.23	-13.00	44.23	187	176	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	67.02	-118.09	-51.07	-13.00	38.07	189	260	Vertical
2	2496.2700	76.23	-114.78	-38.55	-13.00	25.55	175	248	Vertical
3	3328.3600	54.47	-112.38	-57.91	-13.00	44.91	210	233	Vertical
4	4160.4500	49.63	-110.16	-60.53	-13.00	47.53	239	118	Vertical
5	4992.5400	49.94	-108.19	-58.25	-13.00	45.25	154	16	Vertical
6	5824.6300	48.18	-106.20	-58.02	-13.00	45.02	214	195	Vertical

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Test Band = _LTE Band5 TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	84.01	-118.06	-34.05	-13.00	21.05	128	140	Horizontal
2	2518.7700	85.15	-114.63	-29.48	-13.00	16.48	148	228	Horizontal
3	3358.2857	60.01	-112.38	-52.37	-13.00	39.37	136	48	Horizontal
4	4197.9500	51.79	-110.12	-58.33	-13.00	45.33	251	349	Horizontal
5	5037.5400	49.50	-108.01	-58.51	-13.00	45.51	233	153	Horizontal
6	5887.1300	50.13	-106.27	-56.14	-13.00	43.14	174	165	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	68.95	-118.06	-49.11	-13.00	36.11	184	233	Vertical
2	2518.7700	72.25	-114.63	-42.38	-13.00	29.38	196	133	Vertical
3	3358.3600	50.80	-112.38	-61.58	-13.00	48.58	182	159	Vertical
4	4197.9500	50.86	-110.12	-59.26	-13.00	46.26	173	310	Vertical
5	5037.5400	49.96	-108.01	-58.05	-13.00	45.05	263	171	Vertical
6	5887.1300	49.72	-106.27	-56.55	-13.00	43.55	162	195	Vertical

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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	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	1.60	0.001913	±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 (℃)	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	0.60	0.000717	±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	0.60	0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-2.30	-0.002750	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	1.70	0.002032	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	0.00	0.000000	±2.5	PASS

The End

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