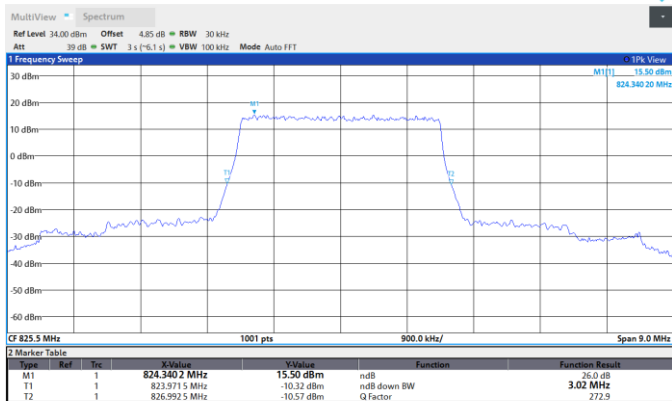
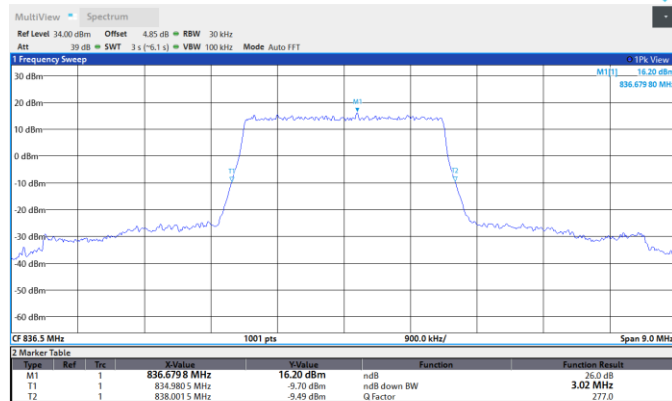
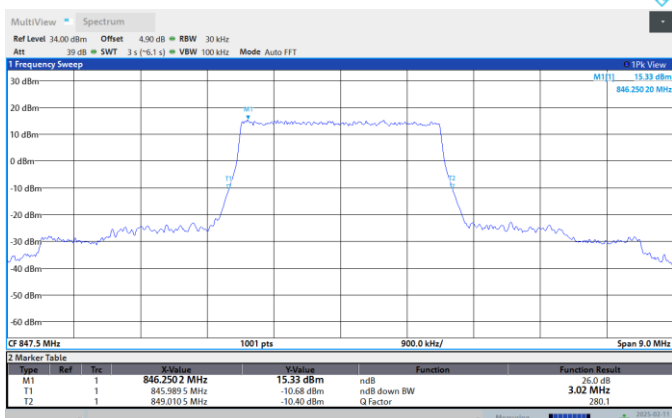




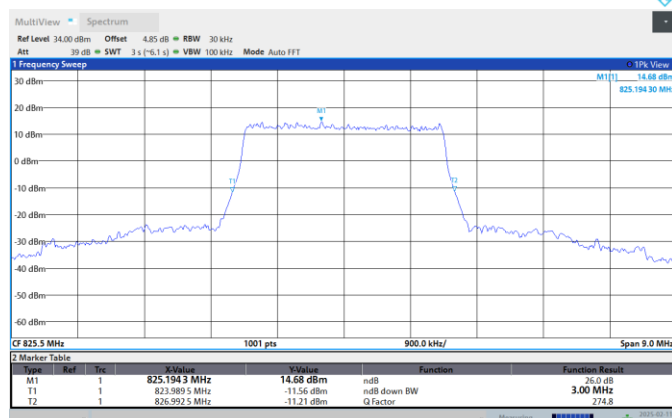
Band5-3MHz-QPSK-20635-15RB#0



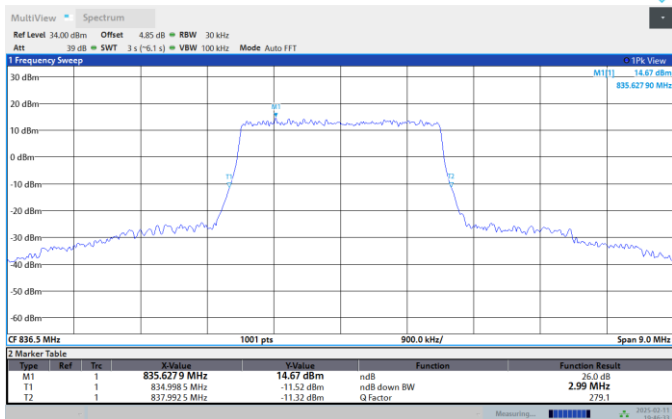
Band5-3MHz-16QAM-20415-15RB#0



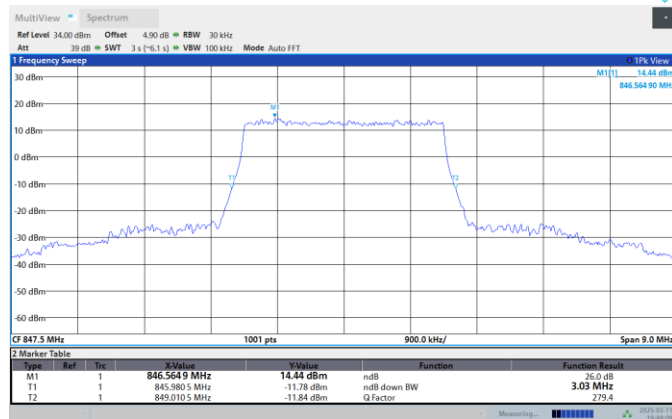
Band5-3MHz-16QAM-20525-15RB#0



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



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

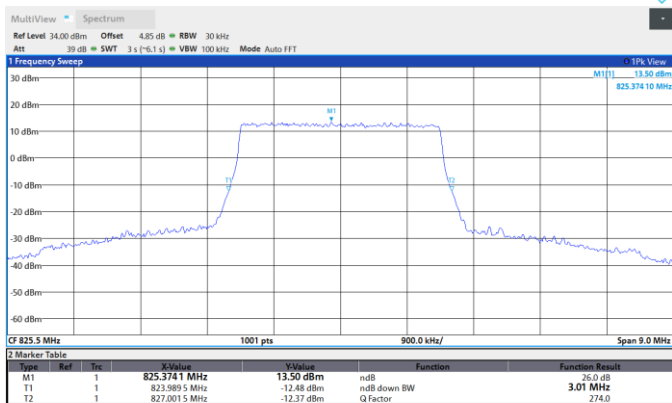


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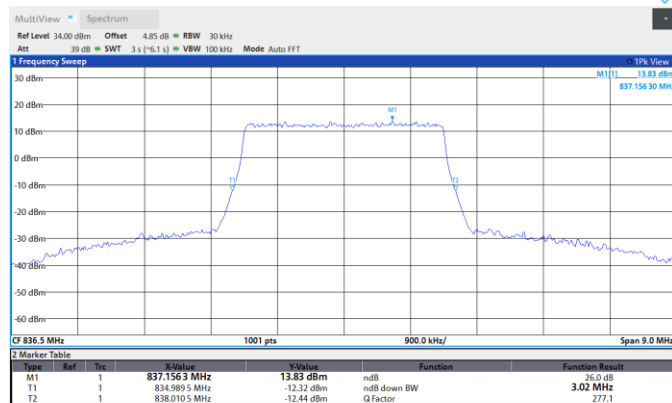


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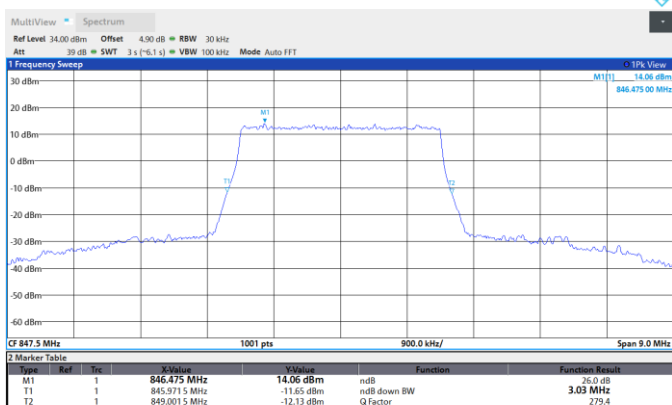
Test Report No.: PSU-NQN2412090210RF05



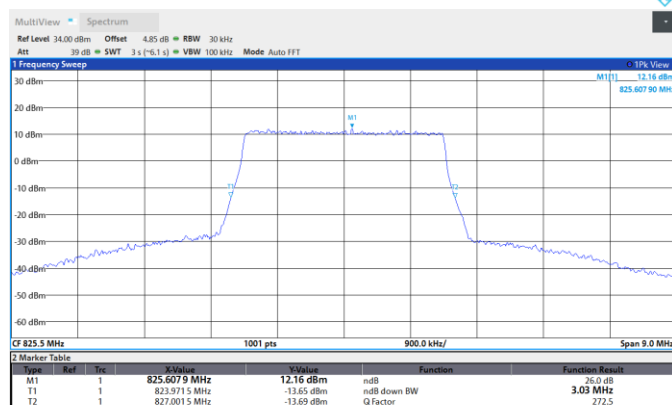
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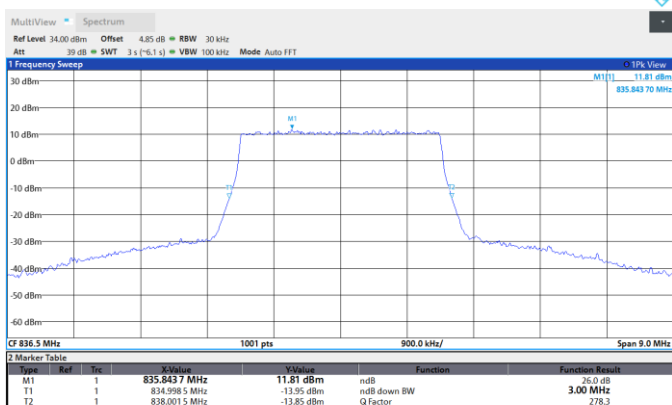
Band5-3MHz-256QAM-20415-15RB#0



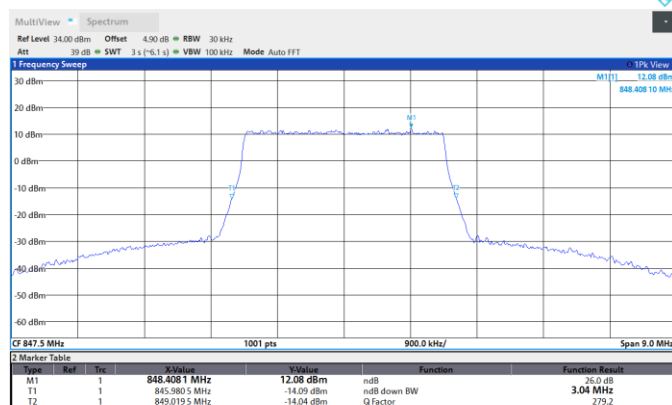
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Band5-3MHz-256QAM-20635-15RB#0



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

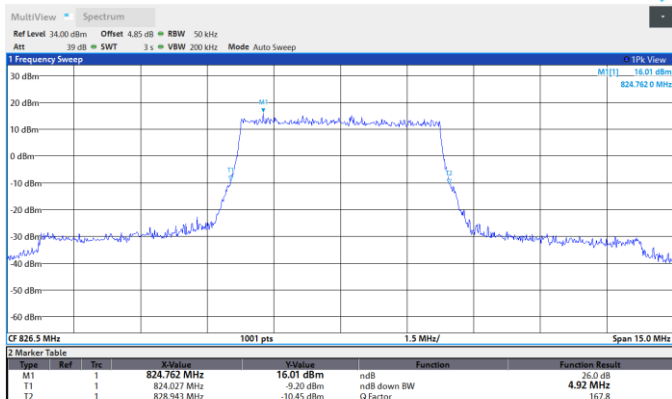


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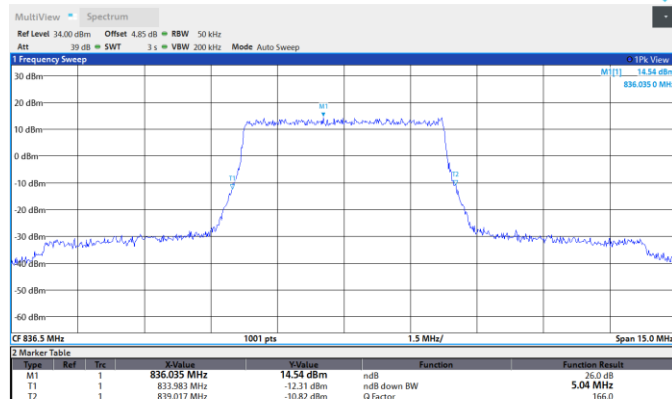


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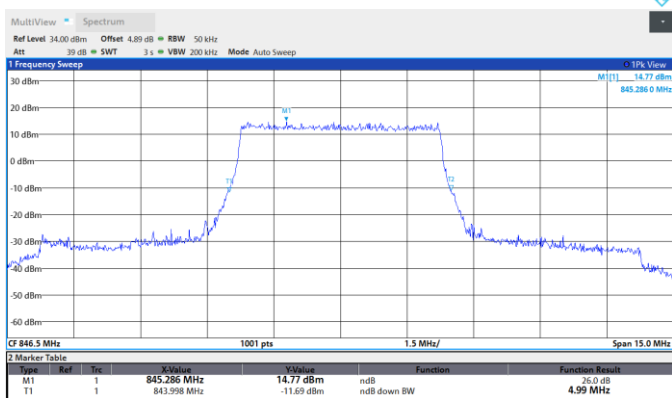
Test Report No.: PSU-NQN2412090210RF05



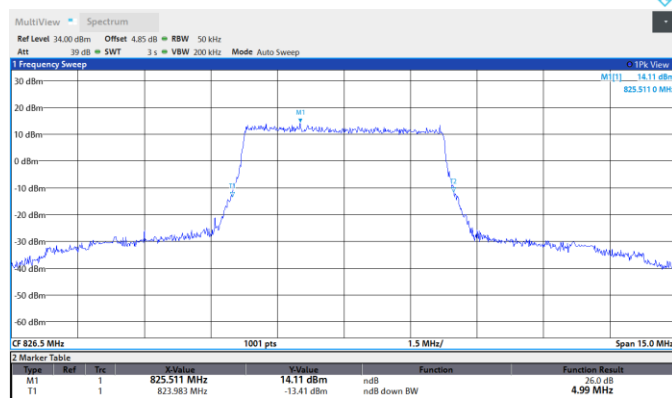
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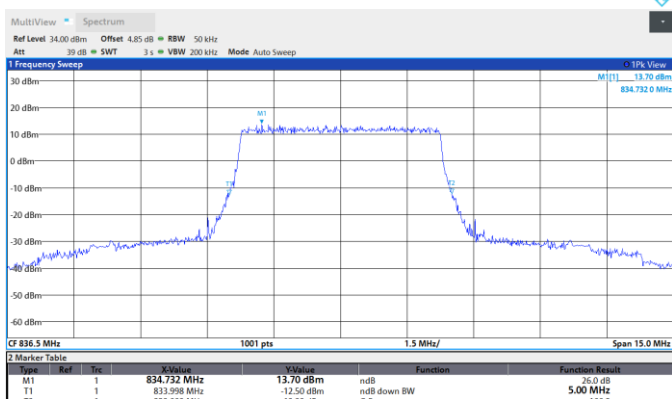
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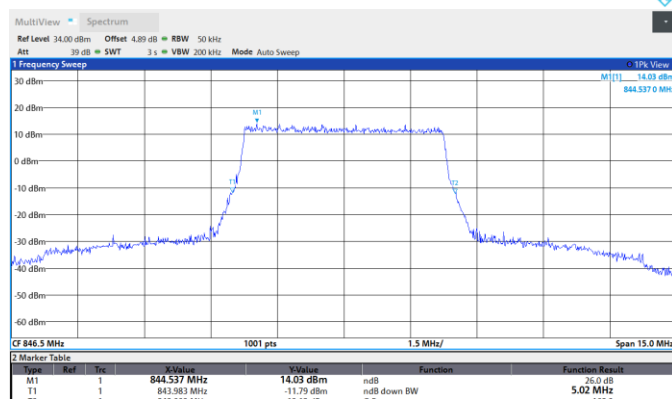
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Band5-5MHz-64QAM-20425-25RB#0

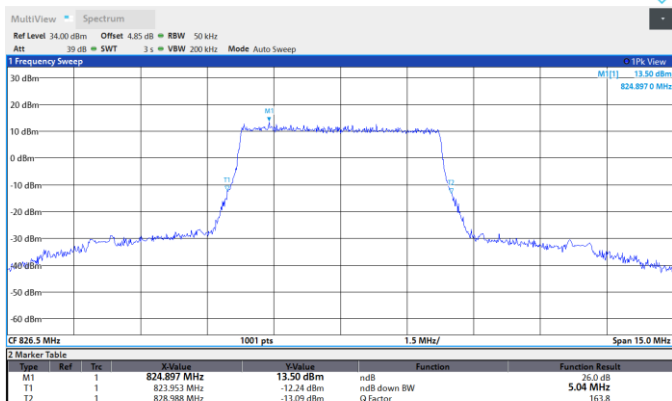


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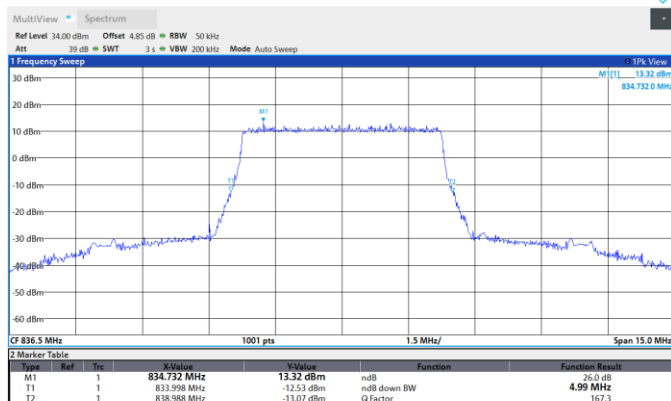


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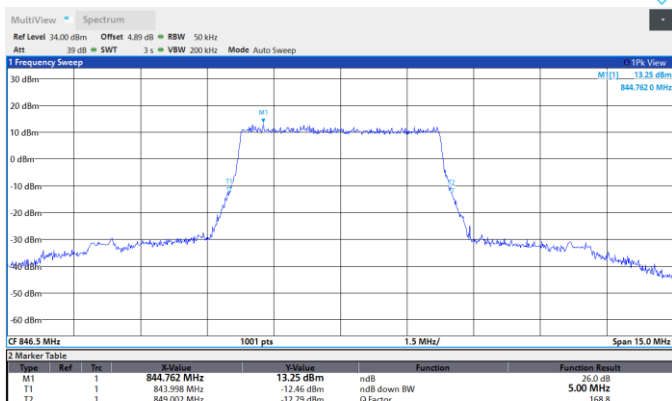
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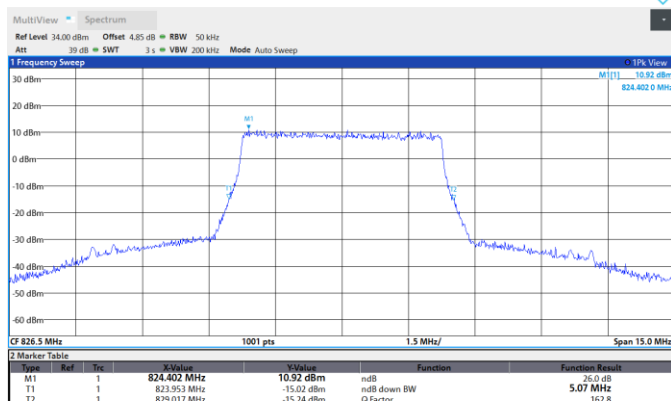
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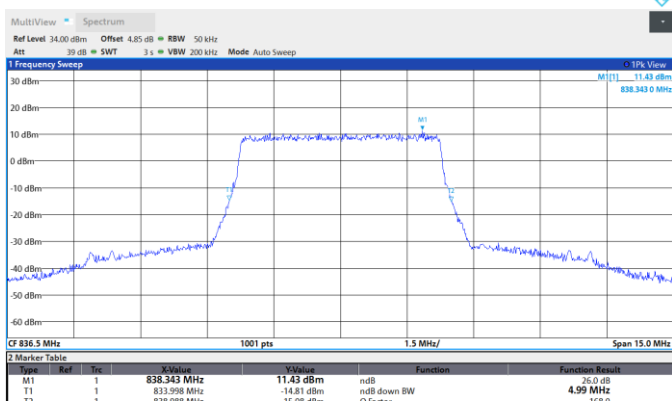
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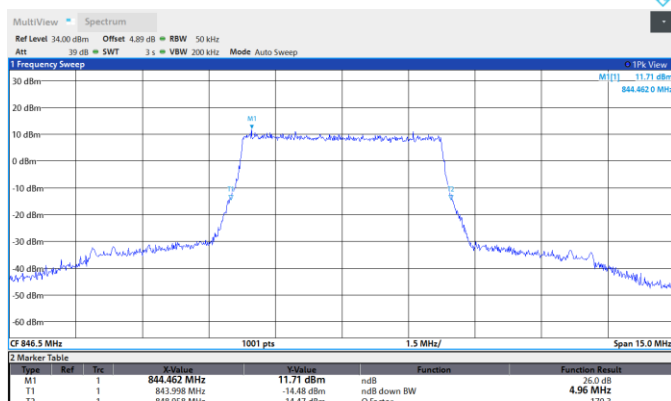
Band5-5MHz-256QAM-20525-25RB#0



Band5-5MHz-256QAM-20625-25RB#0



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

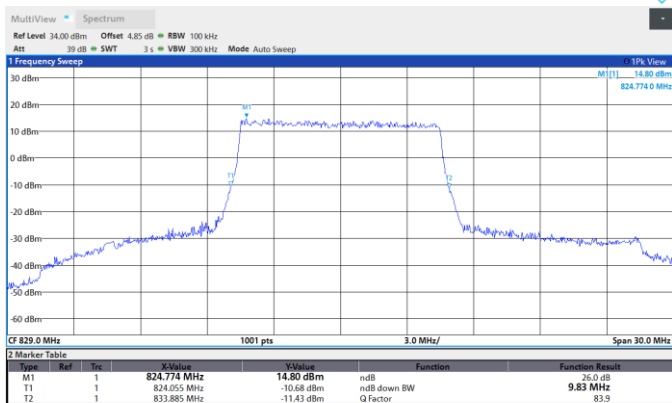


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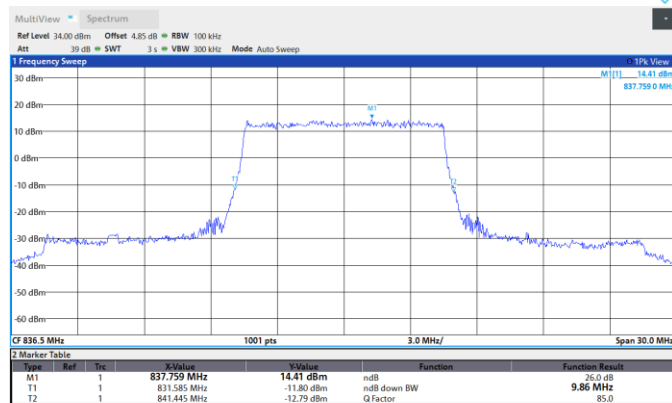


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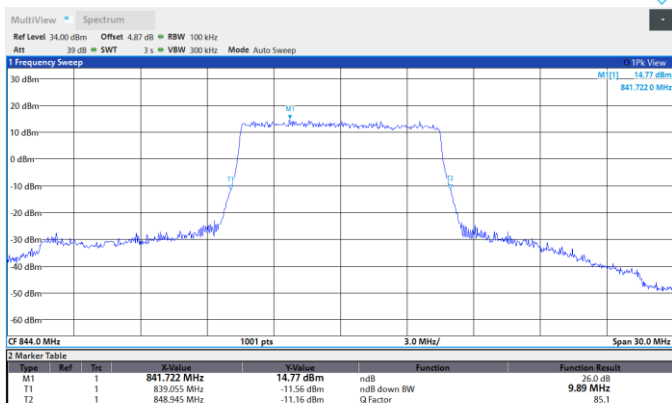
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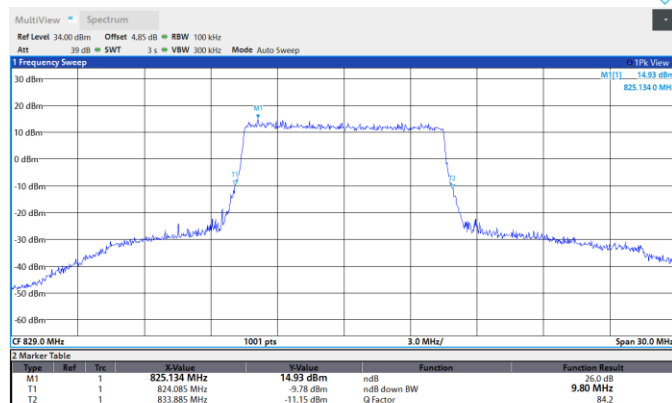
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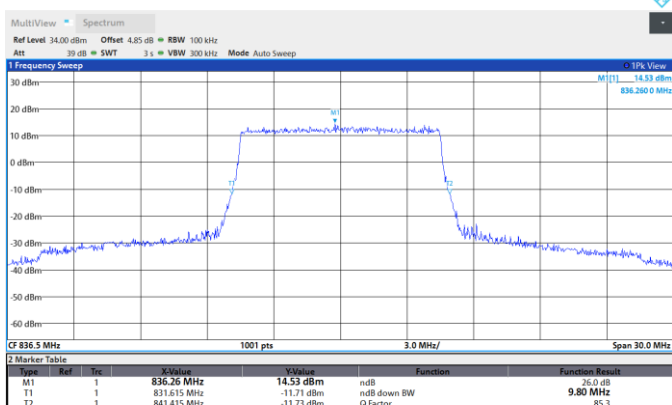
Band5-10MHz-16QAM-20450-50RB#0



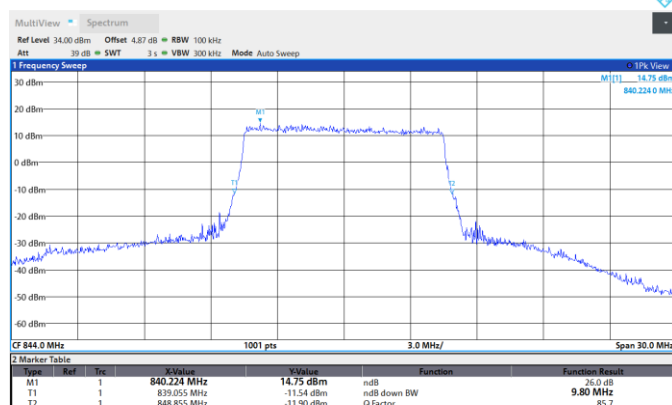
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Band5-10MHz-16QAM-20600-50RB#0



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

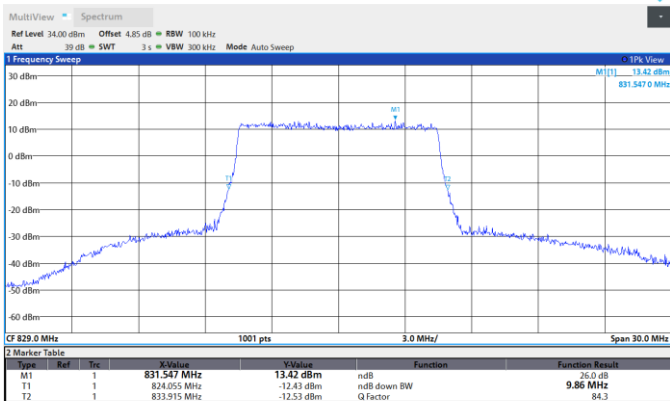


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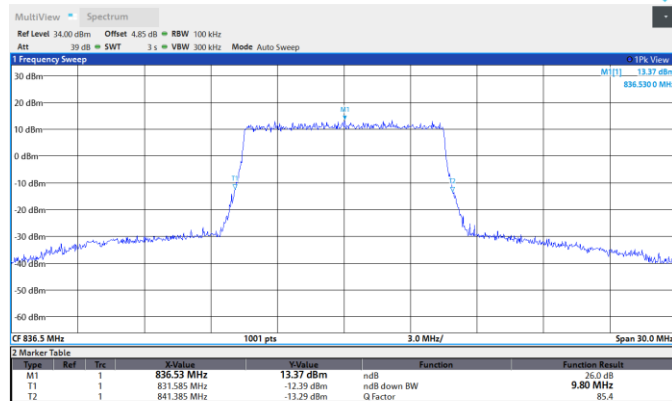


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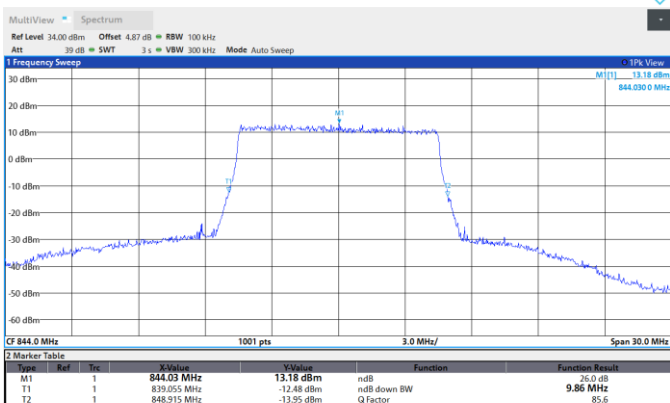
Test Report No.: PSU-NQN2412090210RF05



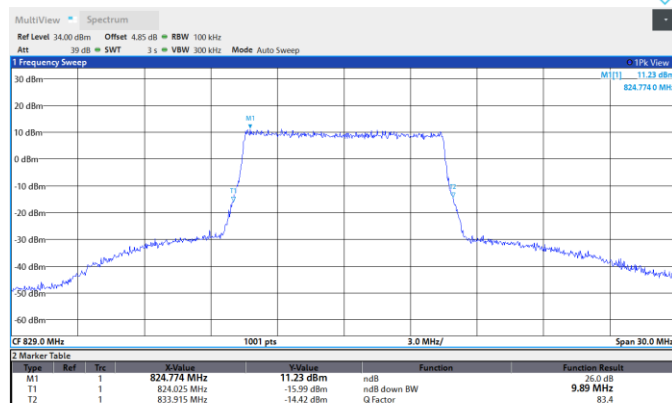
Band5-10MHz-64QAM-20600-50RB#0



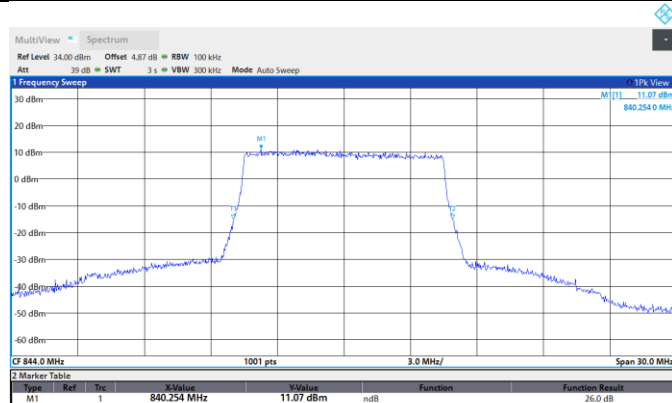
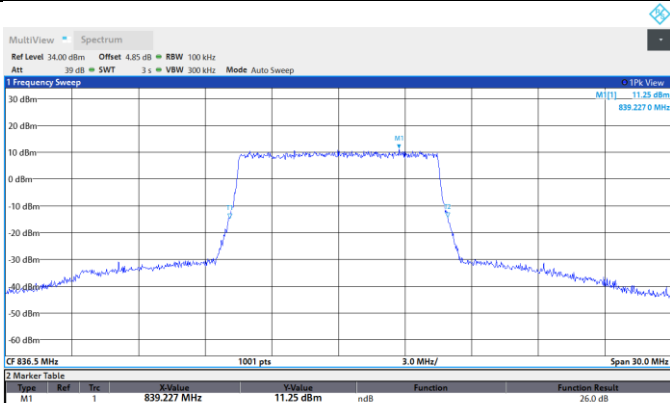
Band5-10MHz-256QAM-20450-50RB#0



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



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





BAND EDGE

Test Result

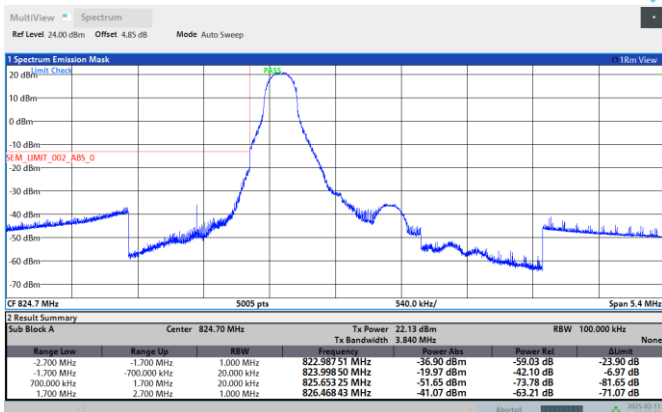
NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	See Graph	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	See Graph	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	See Graph	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	See Graph	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	See Graph	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	See Graph	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	See Graph	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	See Graph	PASS
Band5	3MHz	QPSK	20415	1RB#0	See Graph	PASS
Band5	3MHz	QPSK	20415	15RB#0	See Graph	PASS
Band5	3MHz	QPSK	20635	1RB#14	See Graph	PASS
Band5	3MHz	QPSK	20635	15RB#0	See Graph	PASS
Band5	3MHz	16QAM	20415	1RB#0	See Graph	PASS
Band5	3MHz	16QAM	20415	15RB#0	See Graph	PASS
Band5	3MHz	16QAM	20635	1RB#14	See Graph	PASS
Band5	3MHz	16QAM	20635	15RB#0	See Graph	PASS
Band5	5MHz	QPSK	20425	1RB#0	See Graph	PASS
Band5	5MHz	QPSK	20425	25RB#0	See Graph	PASS
Band5	5MHz	QPSK	20625	1RB#24	See Graph	PASS
Band5	5MHz	QPSK	20625	25RB#0	See Graph	PASS
Band5	5MHz	16QAM	20425	1RB#0	See Graph	PASS
Band5	5MHz	16QAM	20425	25RB#0	See Graph	PASS
Band5	5MHz	16QAM	20625	1RB#24	See Graph	PASS
Band5	5MHz	16QAM	20625	25RB#0	See Graph	PASS
Band5	10MHz	QPSK	20450	1RB#0	See Graph	PASS
Band5	10MHz	QPSK	20450	50RB#0	See Graph	PASS
Band5	10MHz	QPSK	20600	1RB#49	See Graph	PASS
Band5	10MHz	QPSK	20600	50RB#0	See Graph	PASS
Band5	10MHz	16QAM	20450	1RB#0	See Graph	PASS
Band5	10MHz	16QAM	20450	50RB#0	See Graph	PASS
Band5	10MHz	16QAM	20600	1RB#49	See Graph	PASS
Band5	10MHz	16QAM	20600	50RB#0	See Graph	PASS

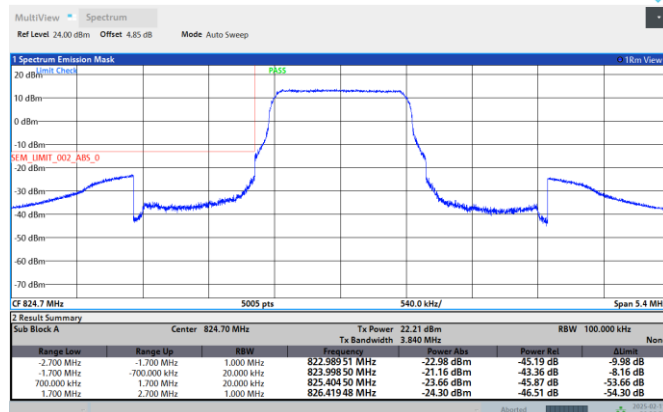


Test Graphs

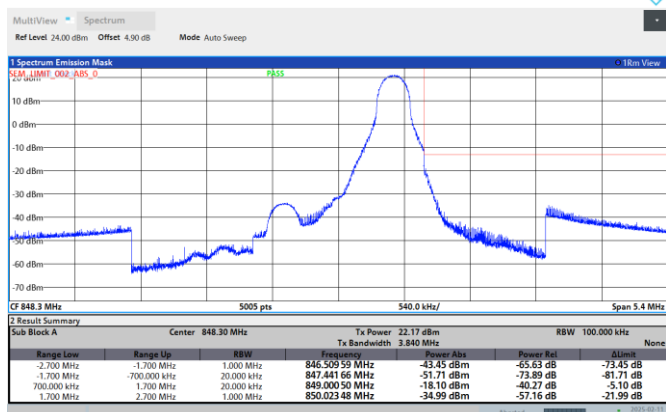
Band5-1.4MHz-QPSK-20407-1RB#0



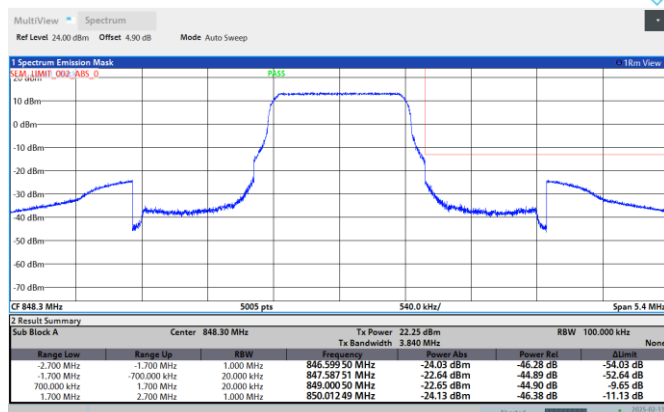
Band5-1.4MHz-QPSK-20407-6RB#0



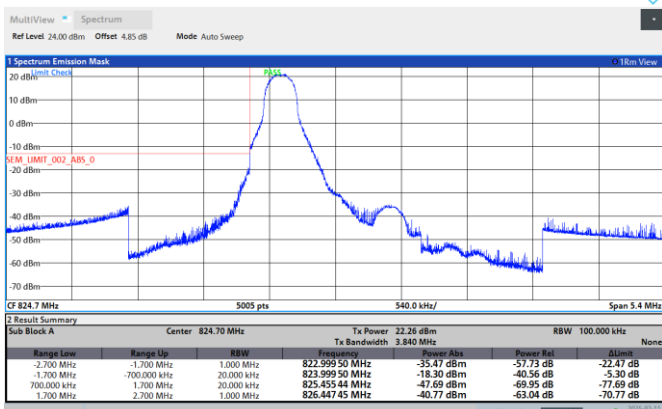
Band5-1.4MHz-QPSK-20643-1RB#5



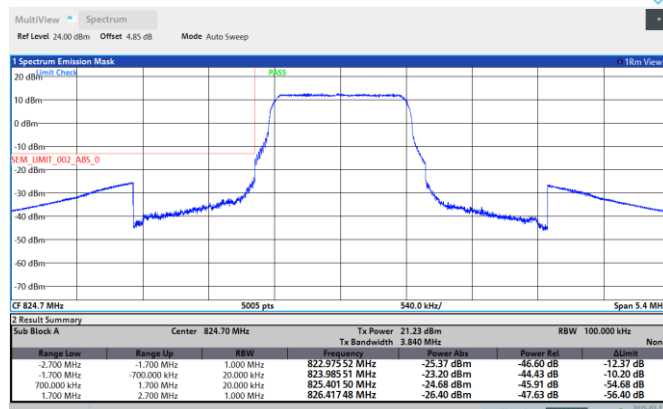
Band5-1.4MHz-QPSK-20643-6RB#0



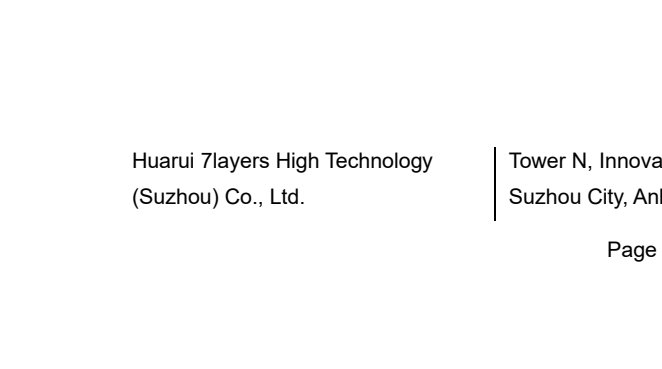
Band5-1.4MHz-16QAM-20407-1RB#0



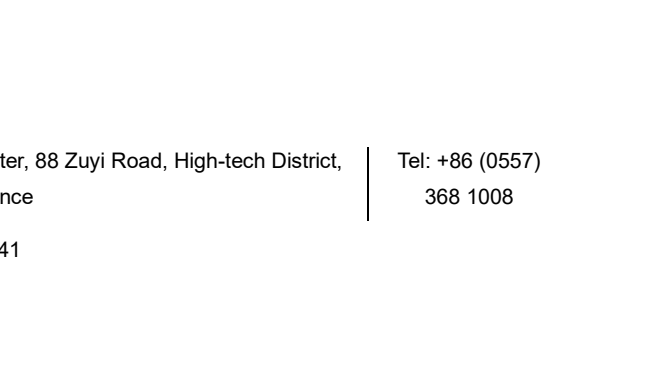
Band5-1.4MHz-16QAM-20407-6RB#0

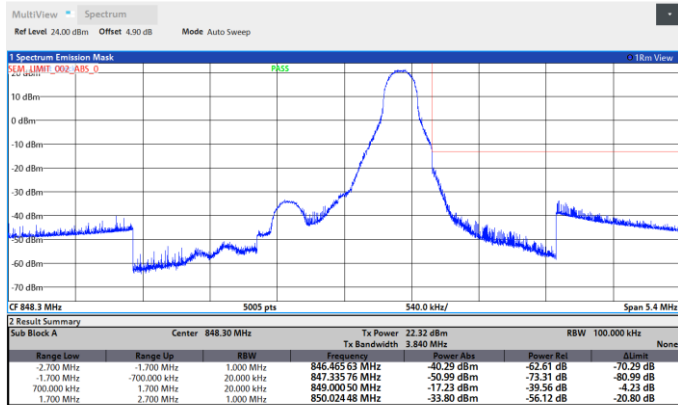


Band5-1.4MHz-16QAM-20643-1RB#5

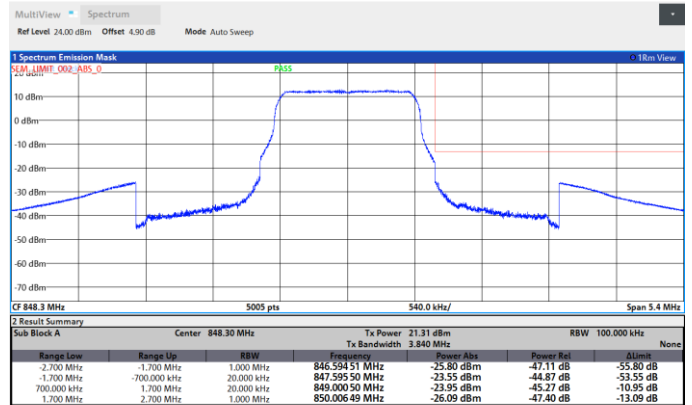


Band5-1.4MHz-16QAM-20643-6RB#0

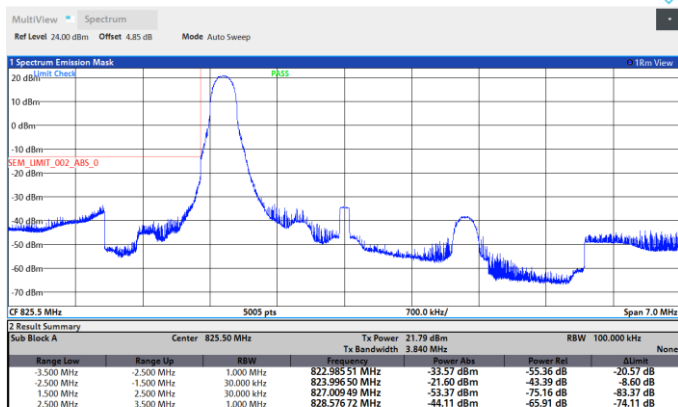




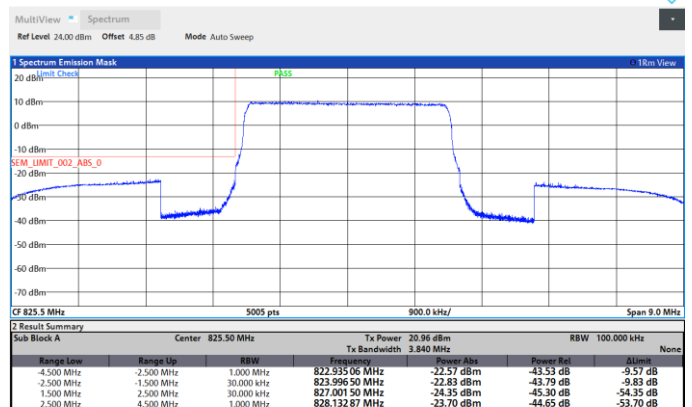
Band5-3MHz-QPSK-20415-1RB#0



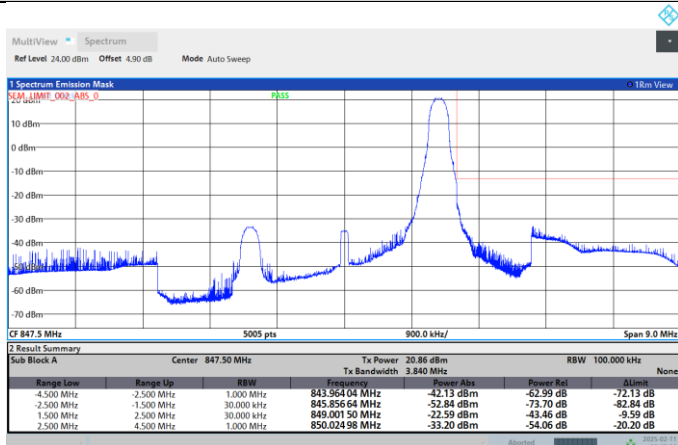
Band5-3MHz-QPSK-20415-15RB#0



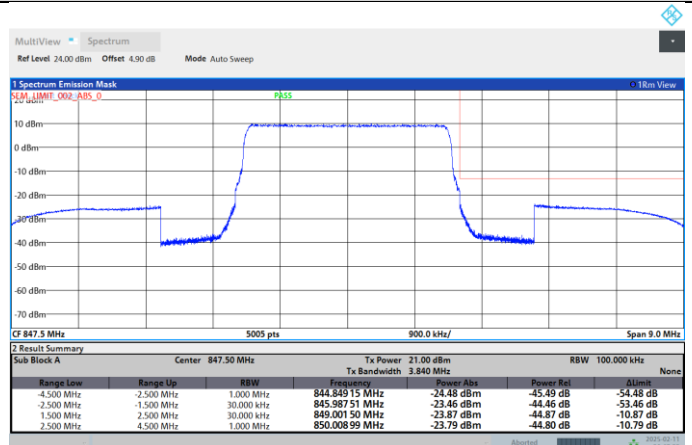
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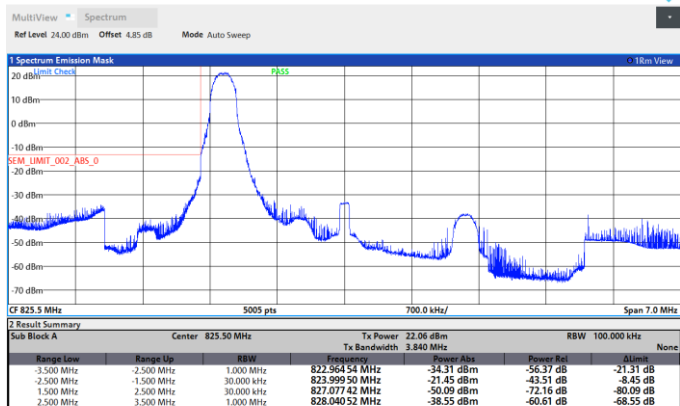
Band5-3MHz-QPSK-20635-15RB#0



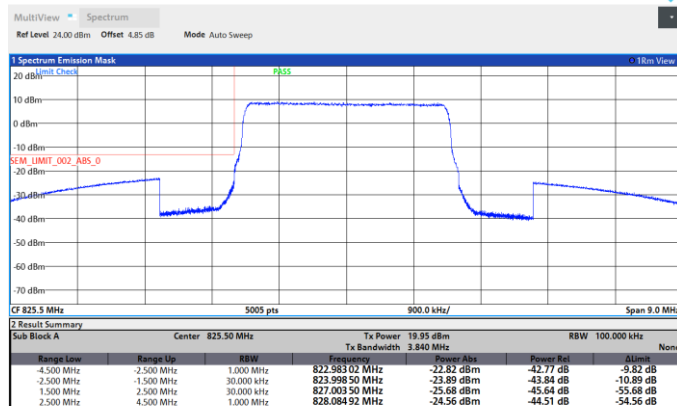
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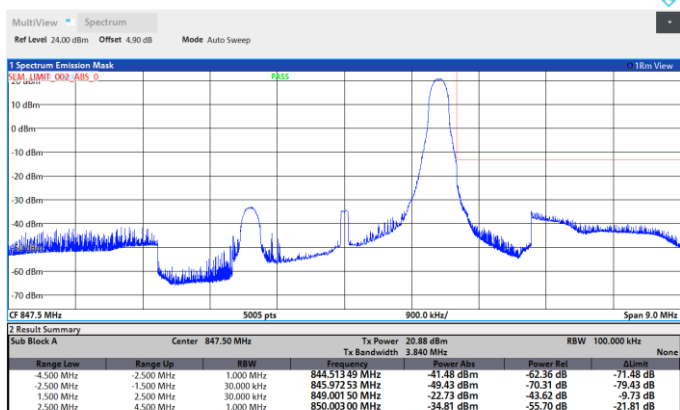
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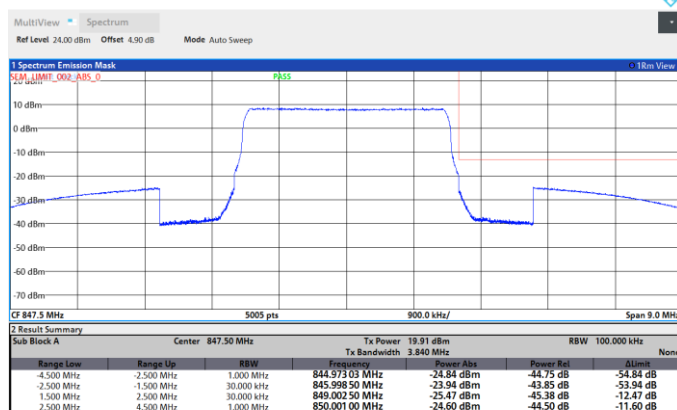
Band5-3MHz-16QAM-20635-1RB#14



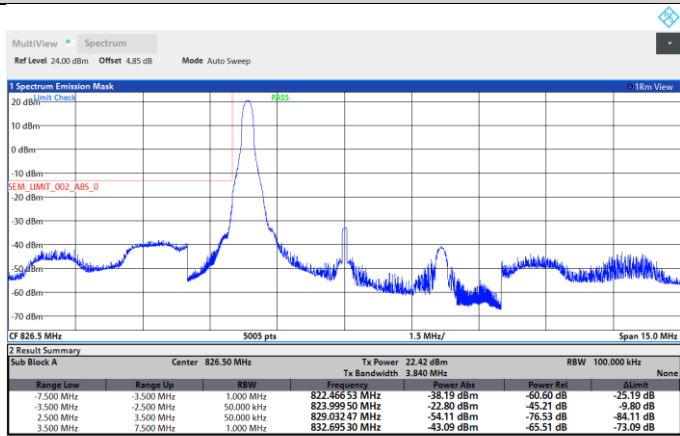
Band5-3MHz-16QAM-20635-15RB#0



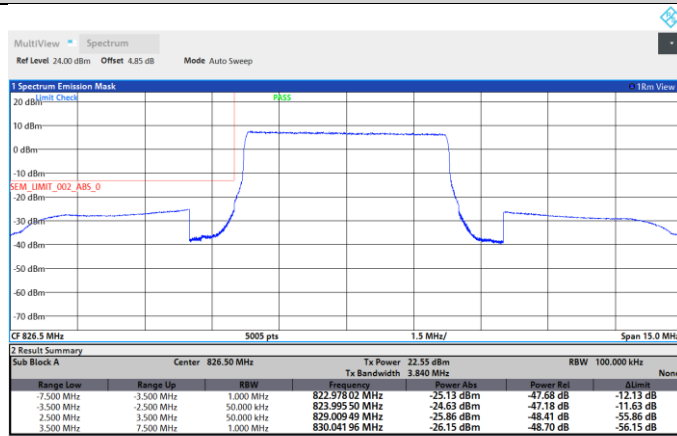
Band5-5MHz-QPSK-20425-1RB#0



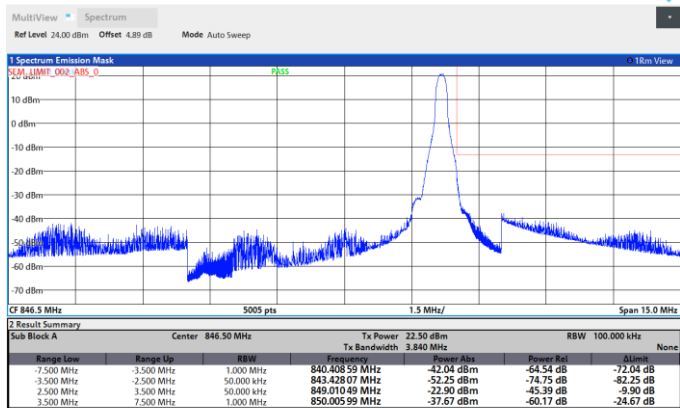
Band5-5MHz-QPSK-20425-25RB#0



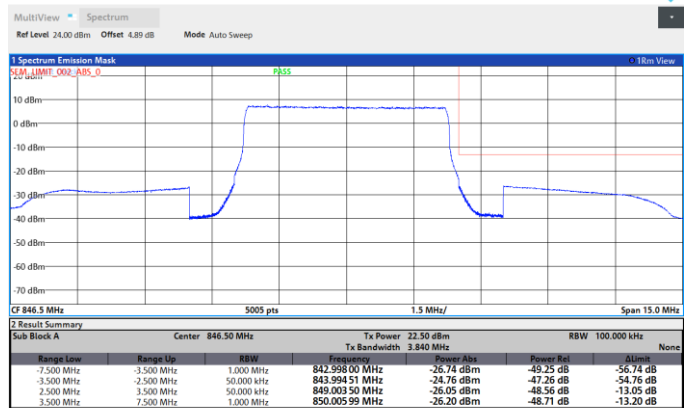
Band5-5MHz-QPSK-20625-1RB#24



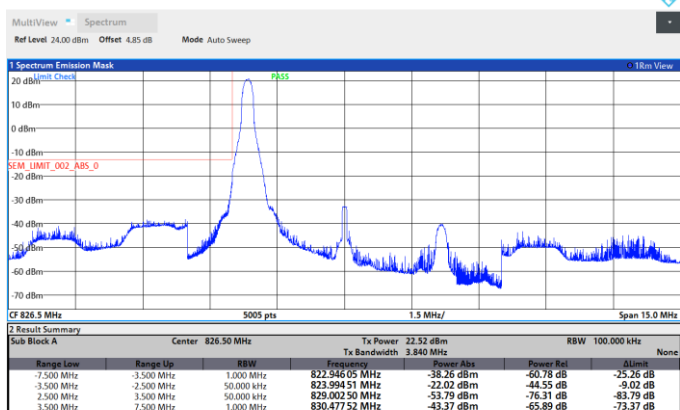
Band5-5MHz-QPSK-20625-25RB#0



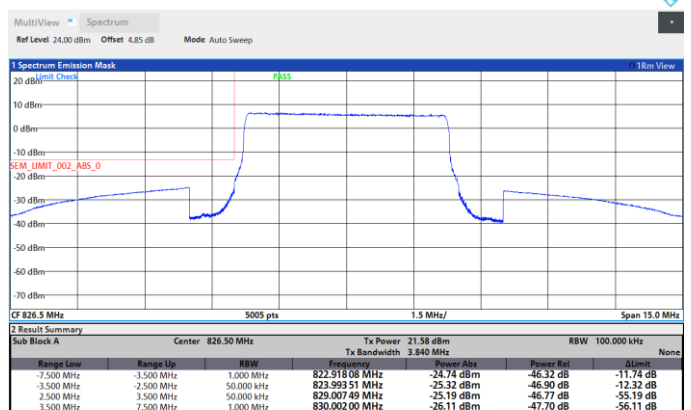
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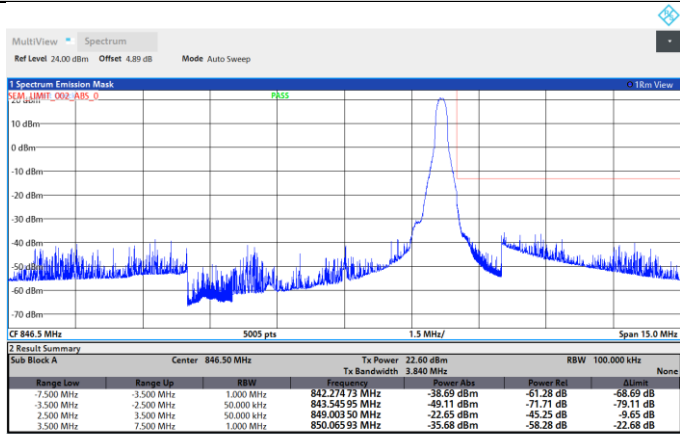
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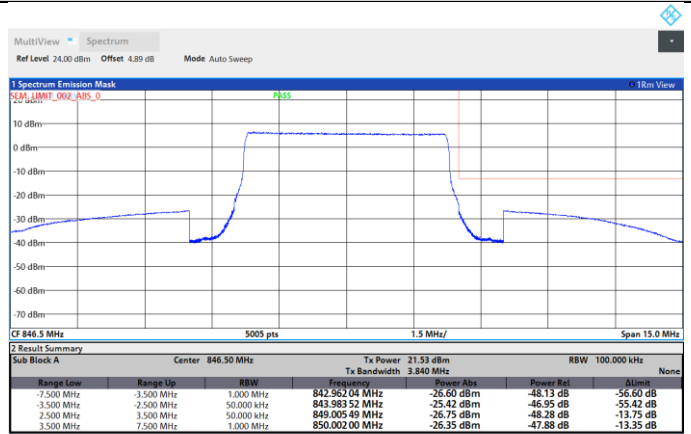
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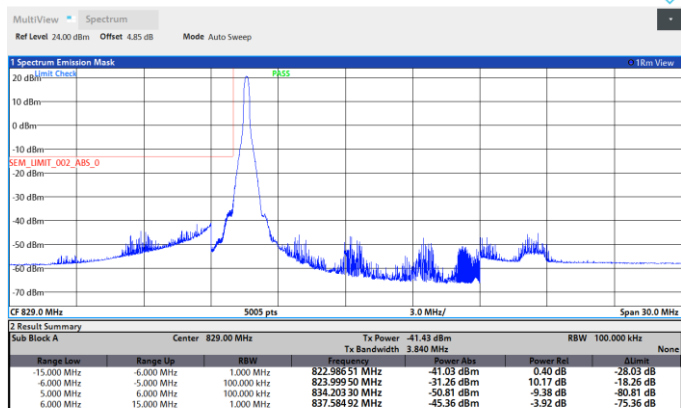
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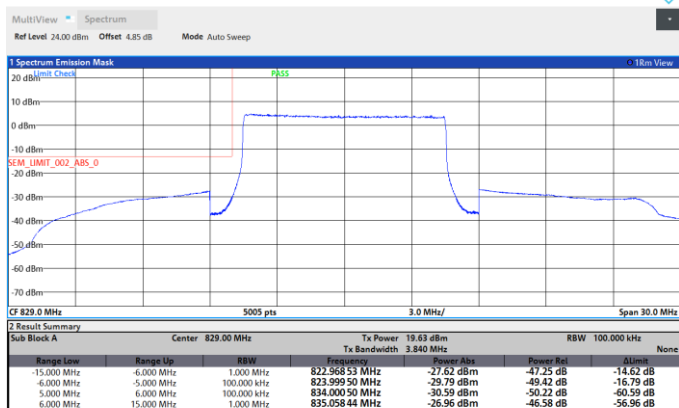
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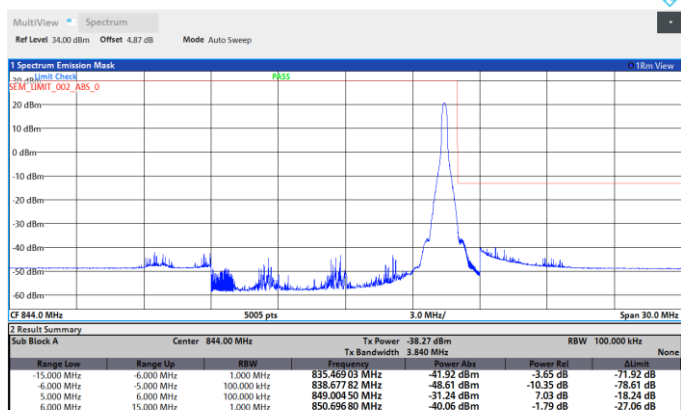
Band5-10MHz-QPSK-20450-50RB#0



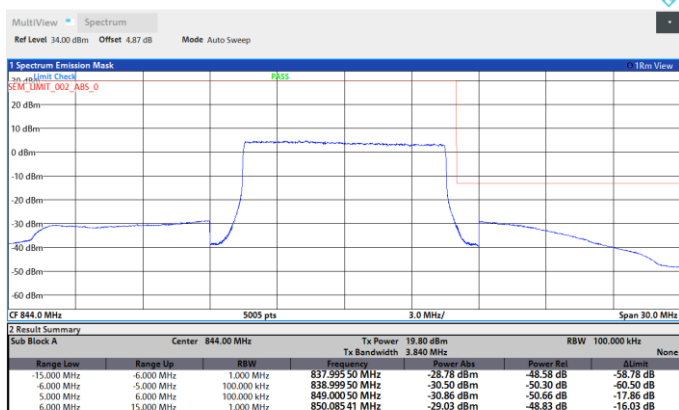
Band5-10MHz-QPSK-20600-1RB#49



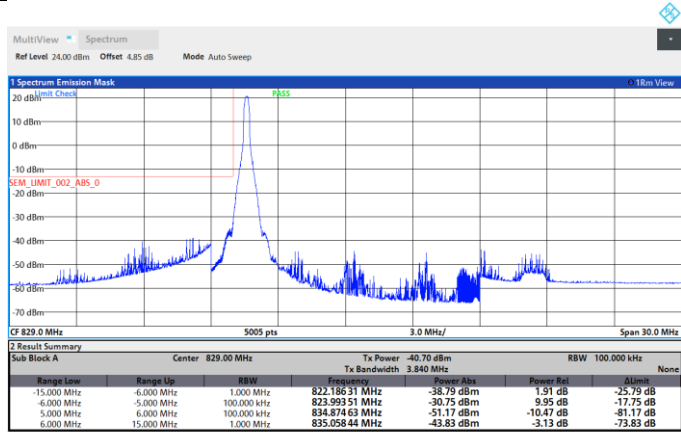
Band5-10MHz-QPSK-20600-50RB#0



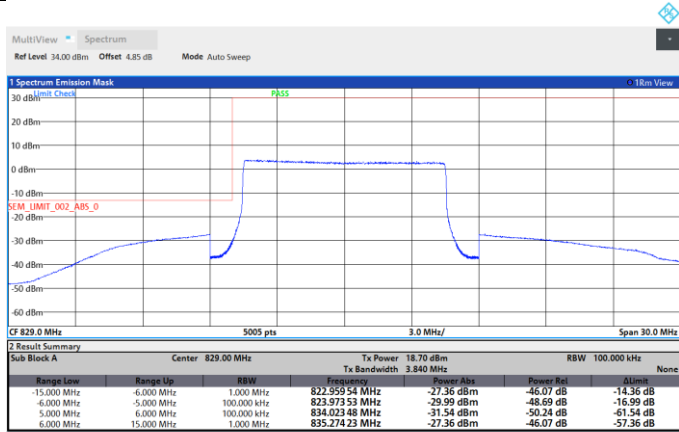
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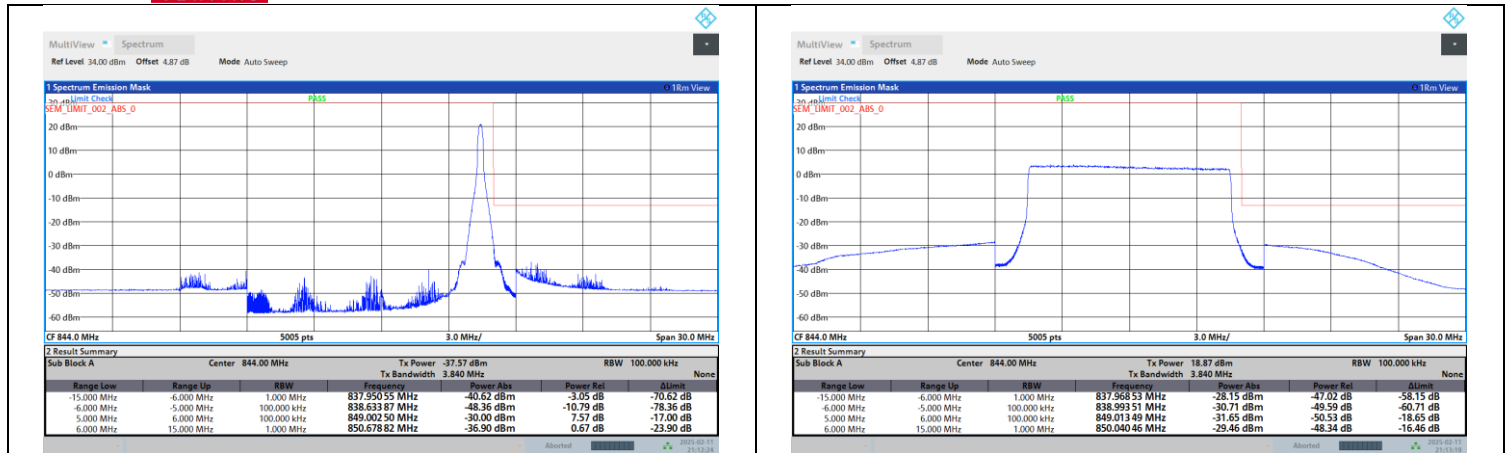
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-1RB#49



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





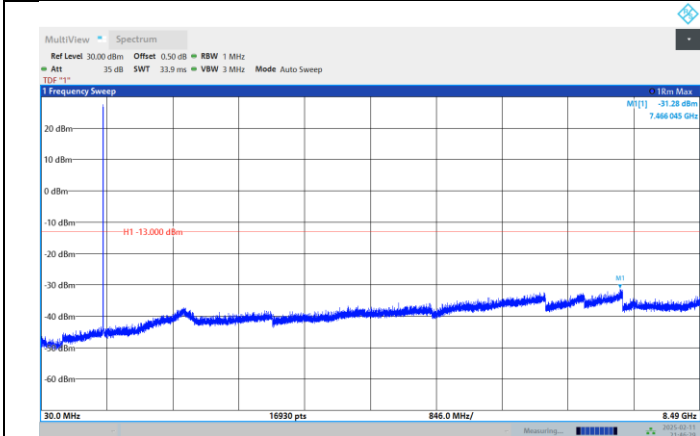
BUREAU VERITAS Test Report No.: PSU-NQN2412090210RF05
CONDUCTED SPURIOUS EMISSION

Test Result

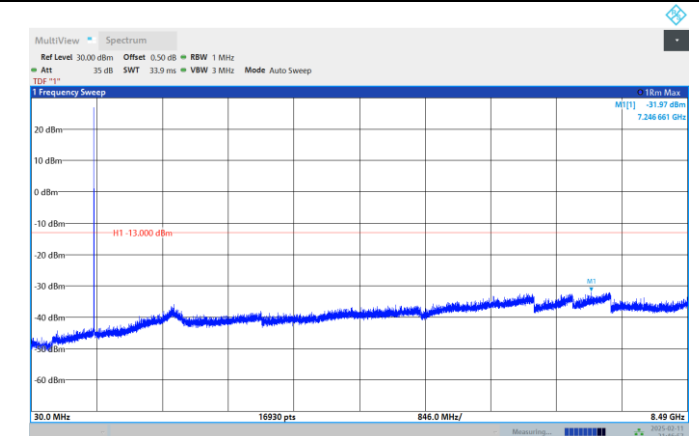
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range:30~8490MHz	See Graph	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range:30~8490MHz	See Graph	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range:30~8490MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range:30~8490MHz



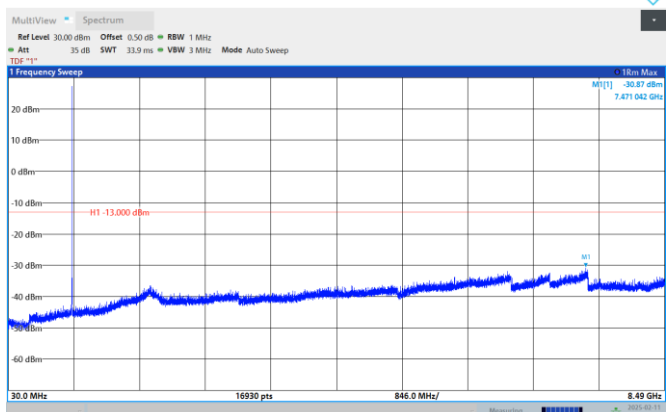
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Band5-3MHz-QPSK-20415-1RB#0-Range:30~8490MHz

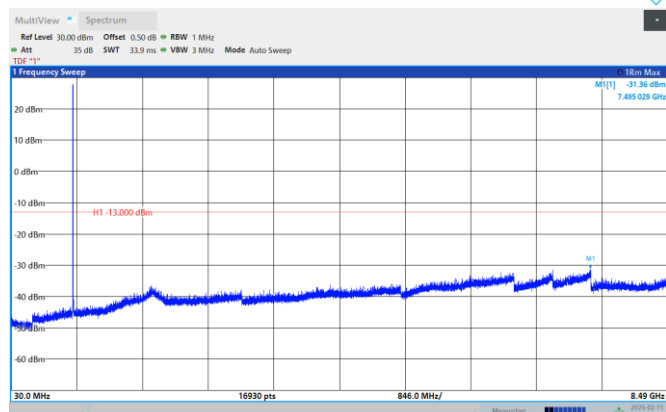


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VERITAS

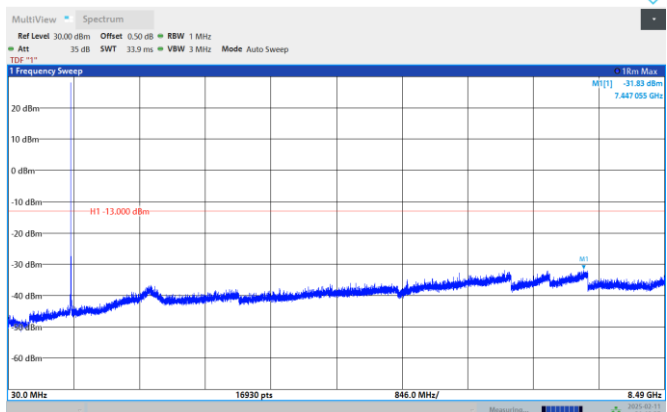
Test Report No.: PSU-NQN2412090210RF05



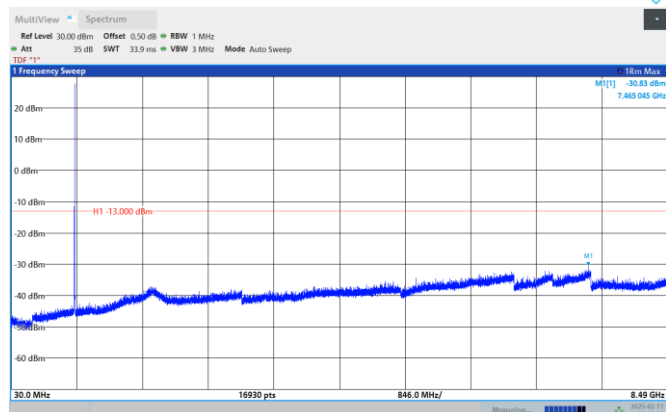
Band5-3MHz-QPSK-20525-1RB#0-Range:30~8490MHz



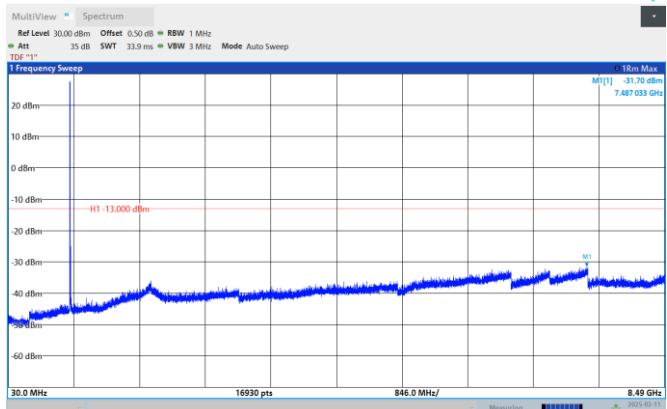
Band5-3MHz-QPSK-20635-1RB#0-Range:30~8490MHz



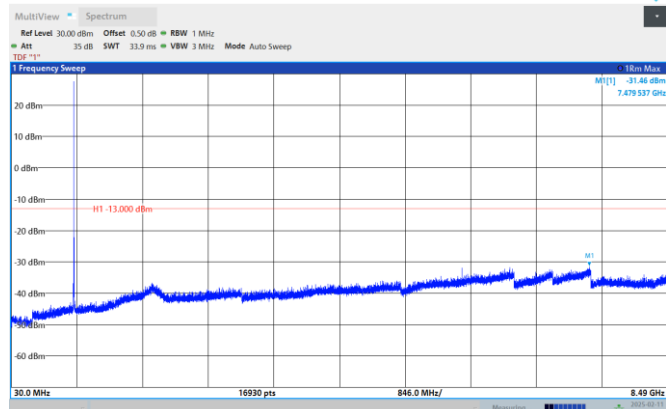
Band5-5MHz-QPSK-20425-1RB#0-Range:30~8490MHz



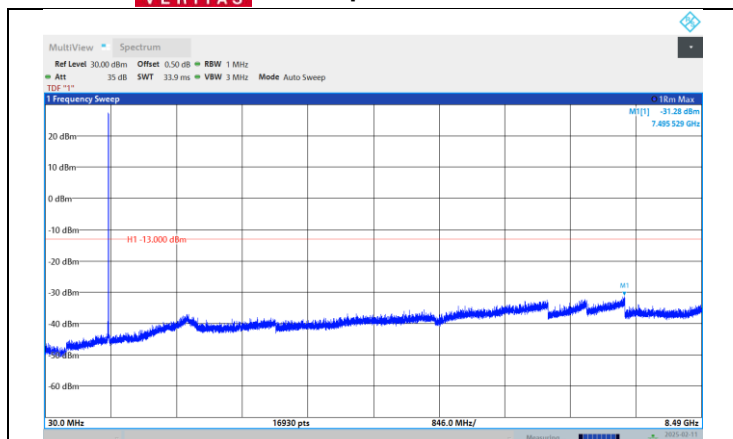
Band5-5MHz-QPSK-20525-1RB#0-Range:30~8490MHz



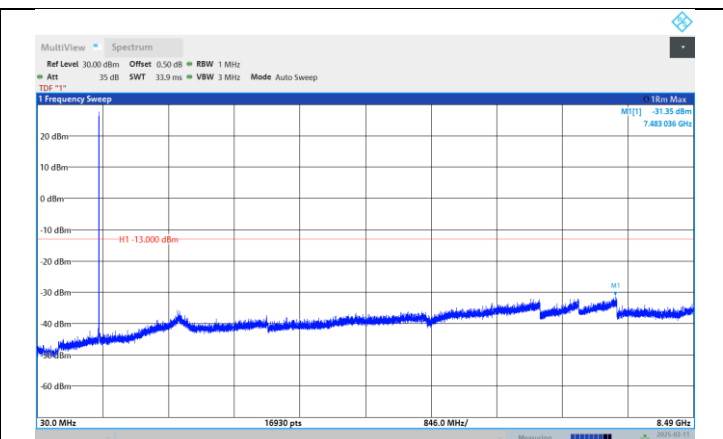
Band5-5MHz-QPSK-20625-1RB#0-Range:30~8490MHz



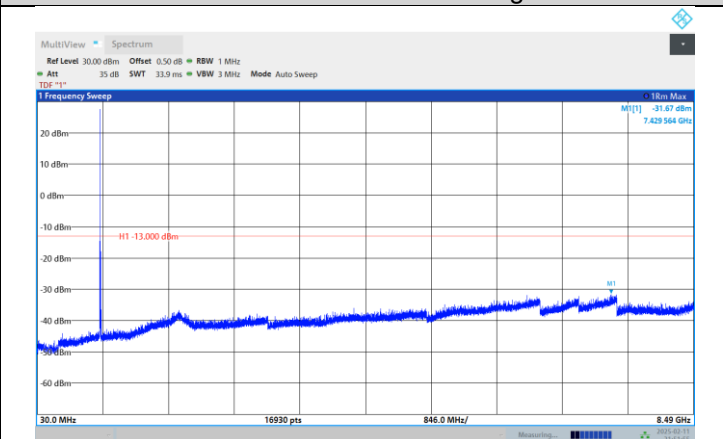
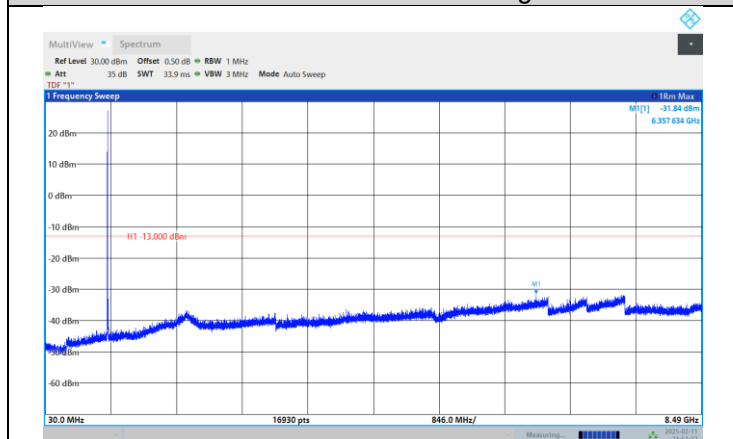
Band5-10MHz-QPSK-20450-1RB#0-Range:30~8490MHz



Band5-10MHz-QPSK-20525-1RB#0-Range:30~8490MHz



Band5-10MHz-QPSK-20600-1RB#0-Range:30~8490MHz





BUREAU VERITAS Test Report No.: PSU-NQN2412090210RF05

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	LV	NT	4.05	0.0049	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	NT	6.04	0.0073	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	HV	NT	-14.85	-0.0179	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	LV	NT	5.58	0.0067	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	NT	-0.39	-0.0005	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	HV	NT	0.55	0.0007	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	LV	NT	-12.82	-0.0152	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	NT	10.90	0.0129	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	HV	NT	-8.33	-0.0099	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	12.09	0.0146	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-9.95	-0.0120	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-2.25	-0.0027	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-9.87	-0.0119	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-11.15	-0.0134	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	14.37	0.0173	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-3.26	-0.0039	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	3.15	0.0038	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.67	0.0032	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	14.88	0.0178	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	2.13	0.0025	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	2.59	0.0031	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.82	-0.0082	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	10.91	0.0130	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-6.36	-0.0076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	8.30	0.0099	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	4.42	0.0053	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-1.40	-0.0017	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.92	0.0035	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	14.12	0.0167	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	9.02	0.0107	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-0.10	-0.0001	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-7.60	-0.0090	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	14.76	0.0175	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-9.15	-0.0108	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	5.06	0.0060	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	9.19	0.0109	±2.5	PASS

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