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VERITAS

Test Report No.: W7L-P23030025RF08



Band26-5MHz-QPSK-26715-25RB#0



Band26-5MHz-QPSK-26740-25RB#0



Band26-5MHz-QPSK-26765-25RB#0

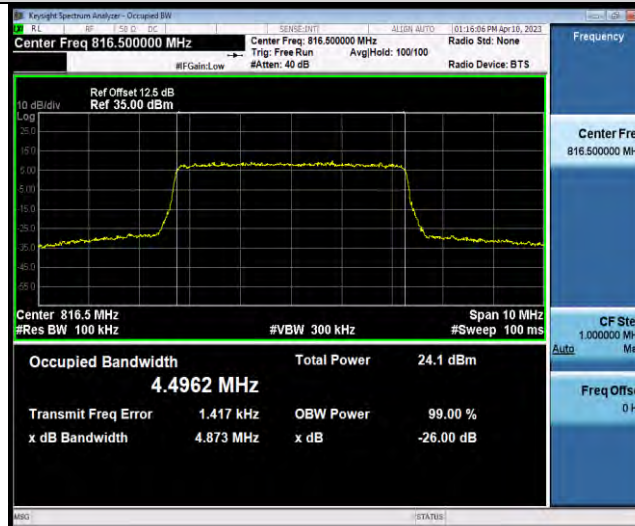


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Test Report No.: W7L-P23030025RF08



Band26-5MHz-16QAM-26715-25RB#0



Band26-5MHz-16QAM-26740-25RB#0



Band26-5MHz-16QAM-26765-25RB#0



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Test Report No.: W7L-P23030025RF08



Band26-5MHz-64QAM-26715-25RB#0



Band26-5MHz-64QAM-26740-25RB#0



Band26-5MHz-64QAM-26765-25RB#0



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Test Report No.: W7L-P23030025RF08



Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-50RB#0

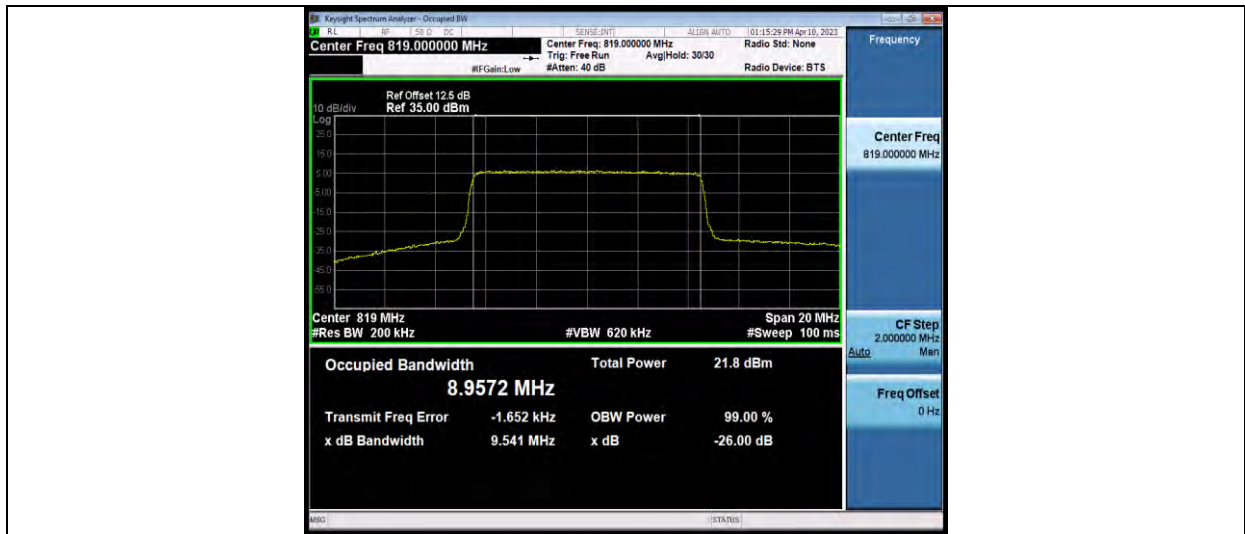


Band26-10MHz-64QAM-26740-50RB#0



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Test Report No.: W7L-P23030025RF08

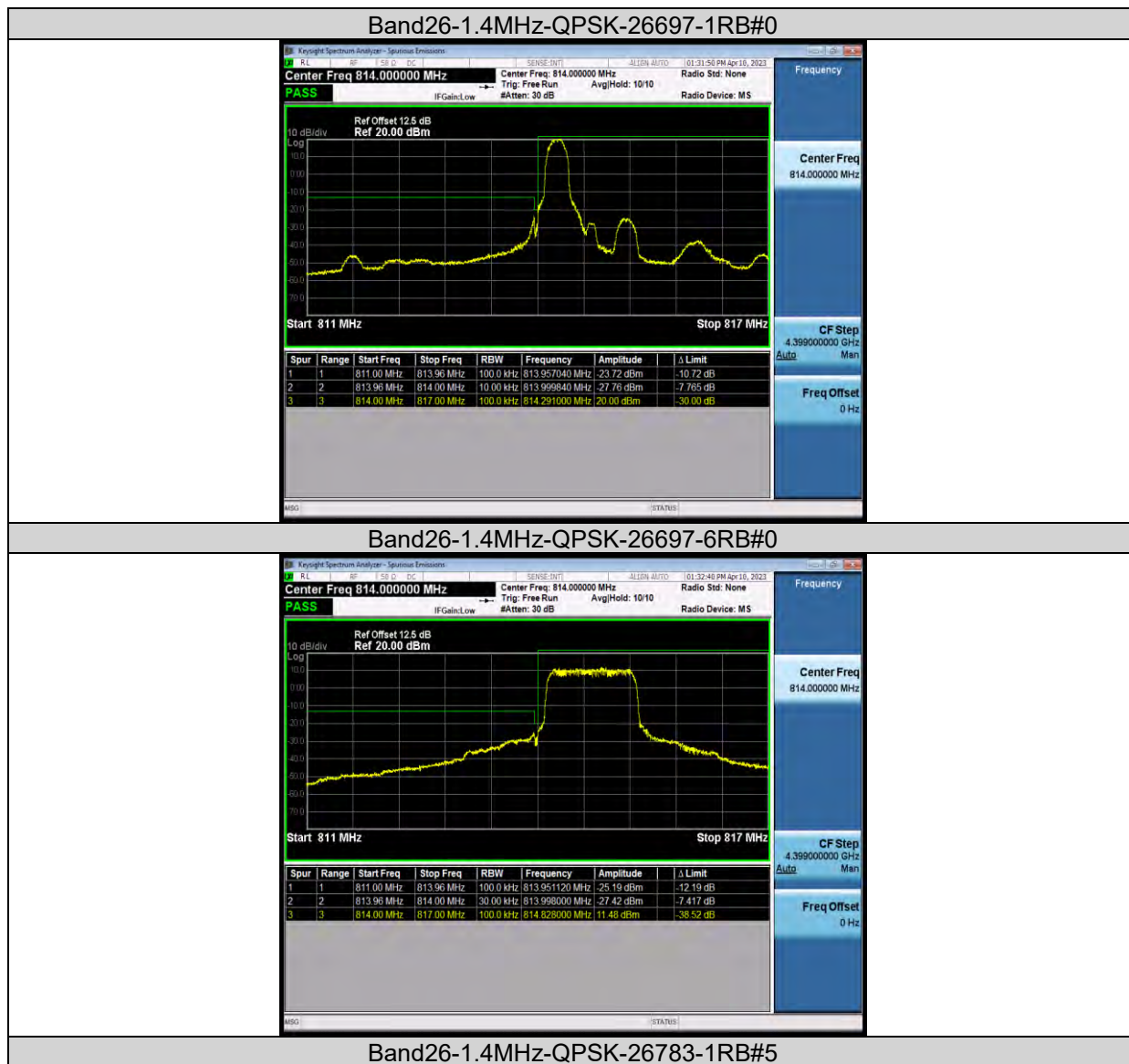


BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	-23.72,-27.76	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	-25.19,-27.42	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	-27.19,-22.06	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	-24.56,-23.14	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	-27.56,-28.95	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	-27.25,-28.03	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	-28.86,-27.56	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	-26.22,-24.00	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	-30.75,-31.28	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	-28.41,-29.77	PASS
Band26	1.4MHz	64QAM	26783	1RB#5	-30.66,-29.74	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	-27.11,-25.04	PASS
Band26	3MHz	QPSK	26705	1RB#0	-25.94,-27.02	PASS
Band26	3MHz	QPSK	26705	15RB#0	-28.22,-25.42	PASS
Band26	3MHz	QPSK	26775	1RB#14	-27.84,-25.01	PASS
Band26	3MHz	QPSK	26775	15RB#0	-23.98,-26.26	PASS
Band26	3MHz	16QAM	26705	1RB#0	-28.56,-27.96	PASS
Band26	3MHz	16QAM	26705	15RB#0	-30.17,-26.62	PASS
Band26	3MHz	16QAM	26775	1RB#14	-26.72,-24.62	PASS
Band26	3MHz	16QAM	26775	15RB#0	-24.84,-27.36	PASS
Band26	3MHz	64QAM	26705	1RB#0	-30.48,-30.83	PASS
Band26	3MHz	64QAM	26705	15RB#0	-30.51,-27.79	PASS
Band26	3MHz	64QAM	26775	1RB#14	-30.23,-29.43	PASS
Band26	3MHz	64QAM	26775	15RB#0	-25.90,-29.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	-34.65,-31.22	PASS
Band26	5MHz	QPSK	26765	1RB#24	-30.57,-34.74	PASS
Band26	5MHz	16QAM	26715	1RB#0	-35.66,-33.15	PASS
Band26	5MHz	16QAM	26765	1RB#24	-31.28,-32.96	PASS
Band26	5MHz	64QAM	26715	1RB#0	-39.35,-33.37	PASS
Band26	5MHz	64QAM	26765	1RB#24	-33.18,-34.10	PASS
Band26	10MHz	QPSK	26740	1RB#0	-41.46,-45.70,-61.19,-57.34	PASS
Band26	10MHz	QPSK	26740	1RB#49	-55.71,-63.14,-39.95,-39.81	PASS
Band26	10MHz	QPSK	26740	50RB#0	-32.80,-26.41,-25.90,-31.42	PASS
Band26	10MHz	16QAM	26740	1RB#0	-42.45,-45.98,-62.07,-58.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	-56.00,-63.38,-39.64,-39.83	PASS
Band26	10MHz	16QAM	26740	50RB#0	-34.42,-28.05,-27.54,-32.76	PASS
Band26	10MHz	64QAM	26740	1RB#0	-44.19,-47.40,-61.59,-58.78	PASS
Band26	10MHz	64QAM	26740	1RB#49	-57.66,-66.68,-42.43,-43.45	PASS
Band26	10MHz	64QAM	26740	50RB#0	-35.89,-29.88,-29.26,-34.57	PASS

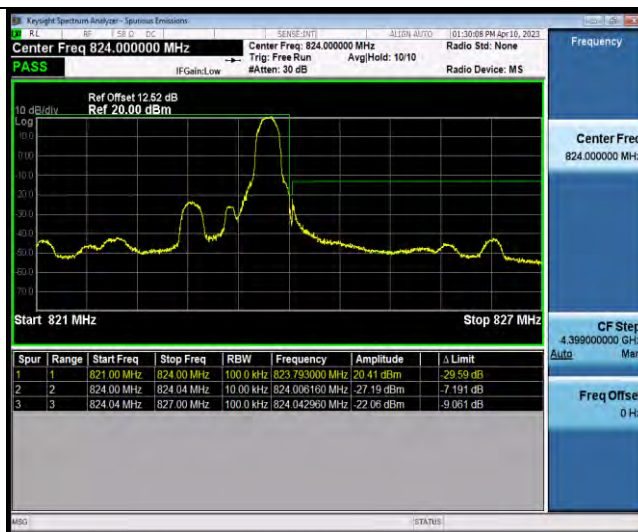
Test Graphs





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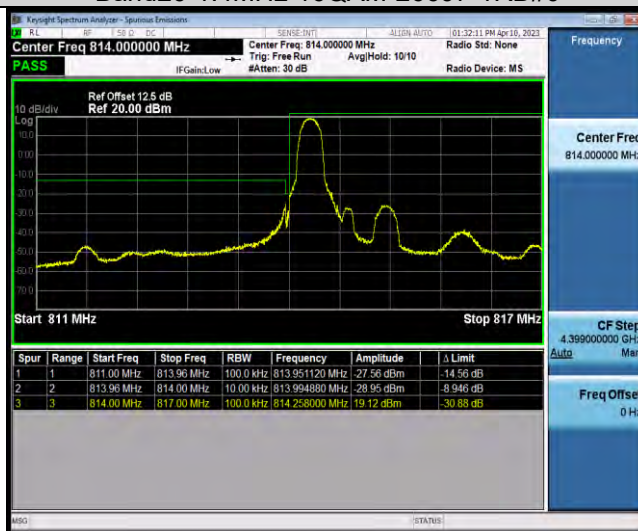
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Band26-1.4MHz-QPSK-26783-6RB#0



Band26-1.4MHz-16QAM-26697-1RB#0

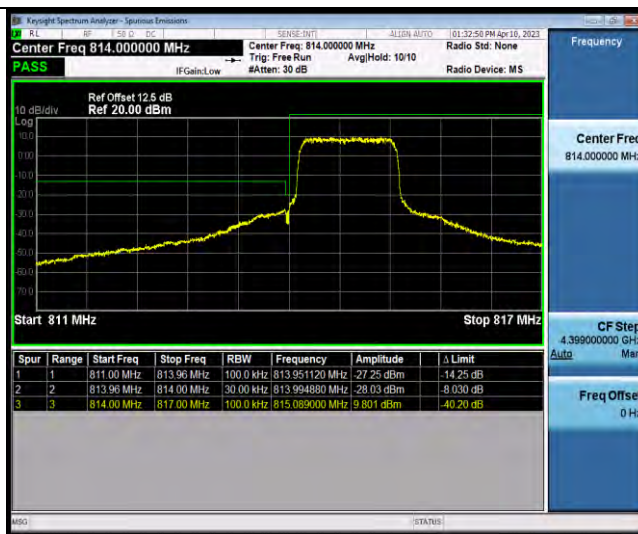


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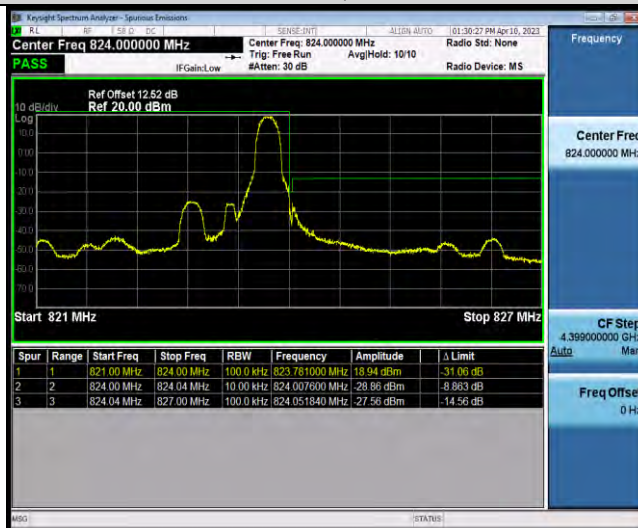


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Test Report No.: W7L-P23030025RF08



Band26-1.4MHz-16QAM-26783-1RB#5



Band26-1.4MHz-16QAM-26783-6RB#0

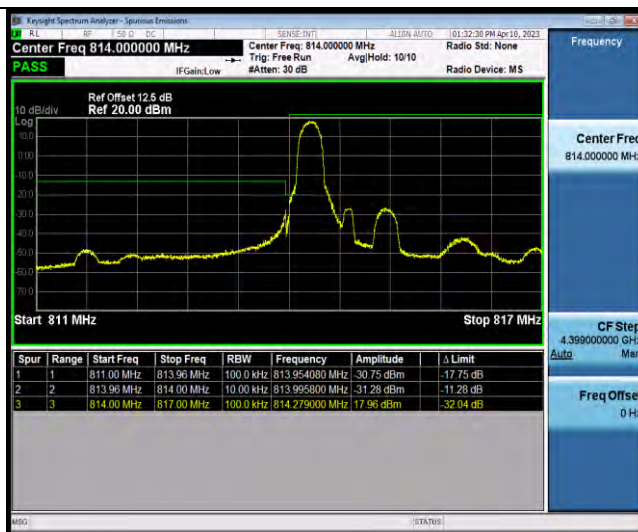


Band26-1.4MHz-64QAM-26697-1RB#0

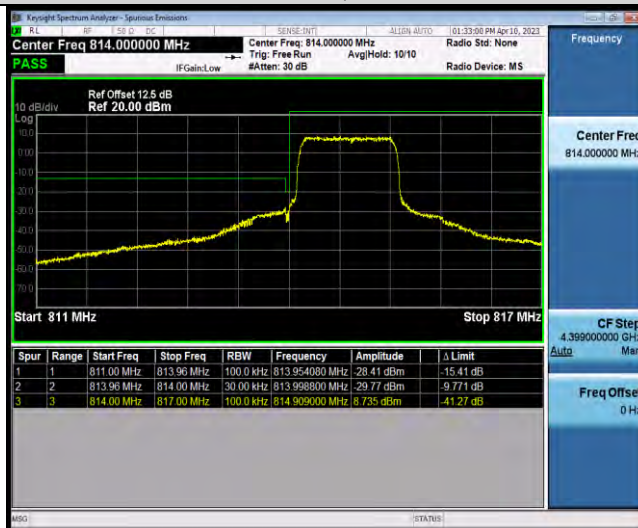


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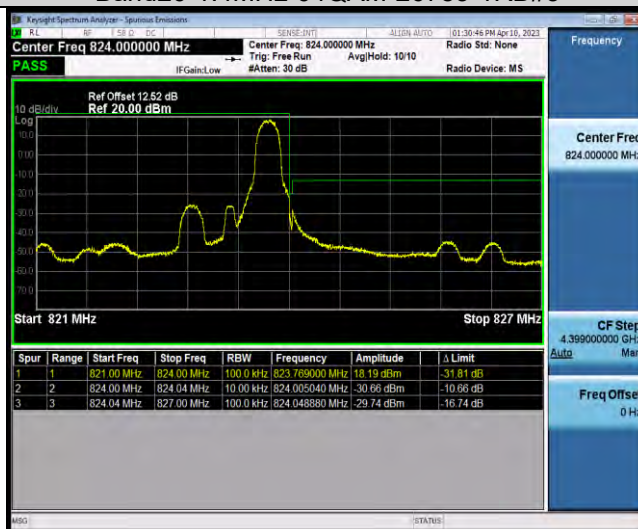
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Band26-1.4MHz-64QAM-26697-6RB#0



Band26-1.4MHz-64QAM-26783-1RB#5



Band26-1.4MHz-64QAM-26783-6RB#0

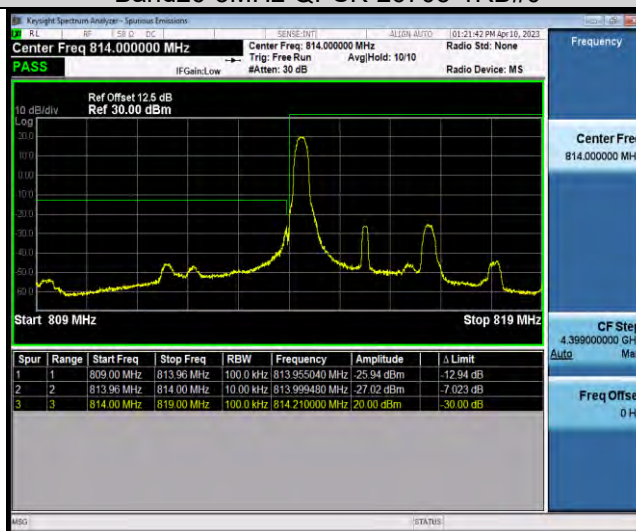


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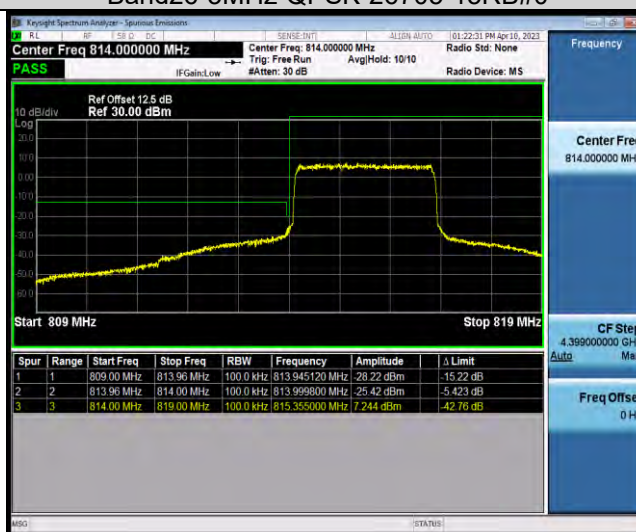
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Band26-3MHz-QPSK-26705-1RB#0



Band26-3MHz-QPSK-26705-15RB#0

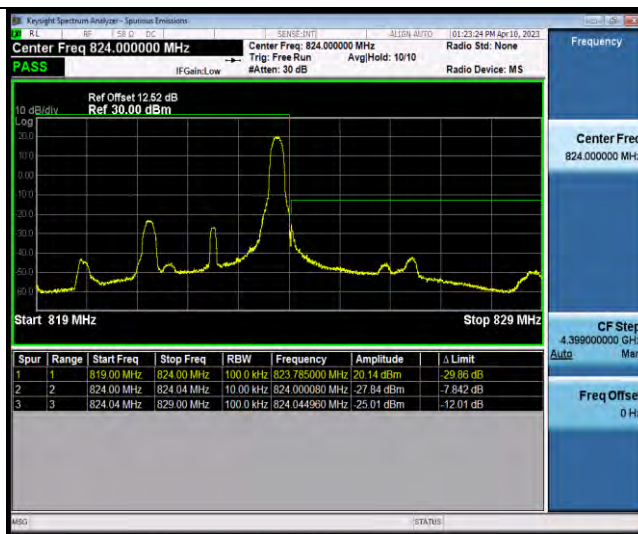


Band26-3MHz-QPSK-26775-1RB#14



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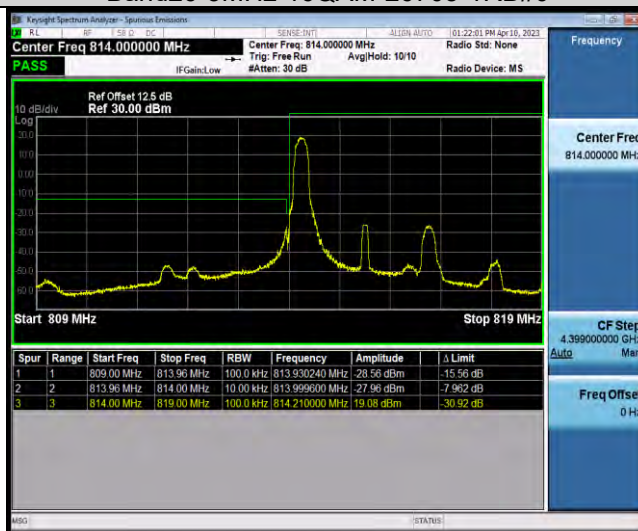
Test Report No.: W7L-P23030025RF08



Band26-3MHz-QPSK-26775-15RB#0



Band26-3MHz-16QAM-26705-1RB#0

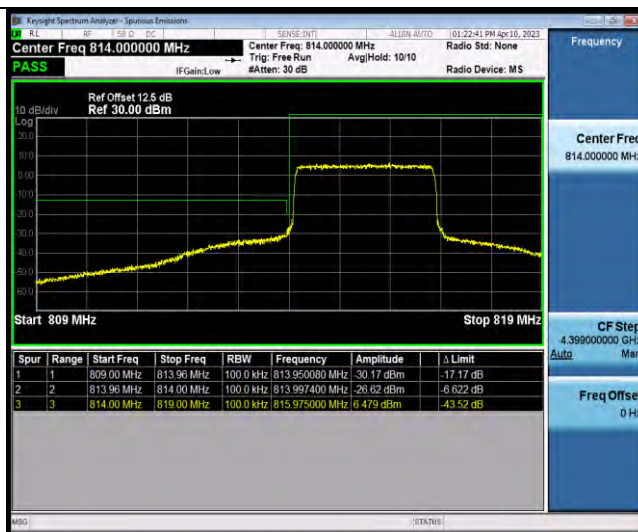


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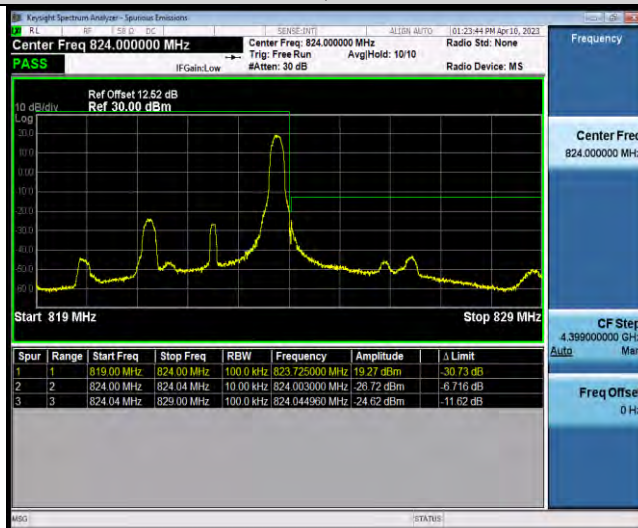


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Band26-3MHz-16QAM-26775-1RB#14



Band26-3MHz-16QAM-26775-15RB#0

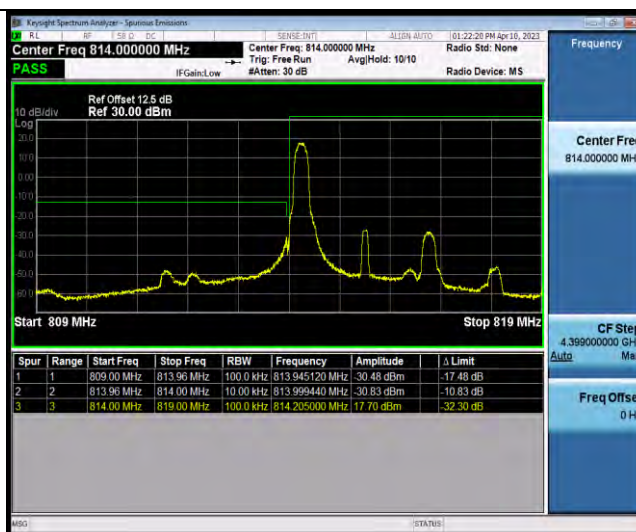


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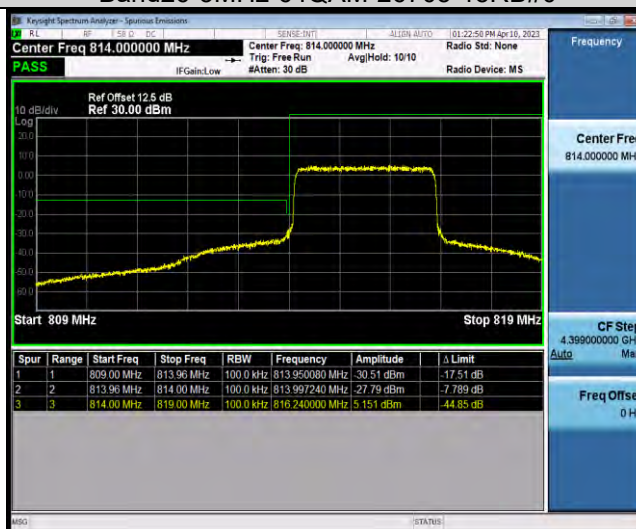


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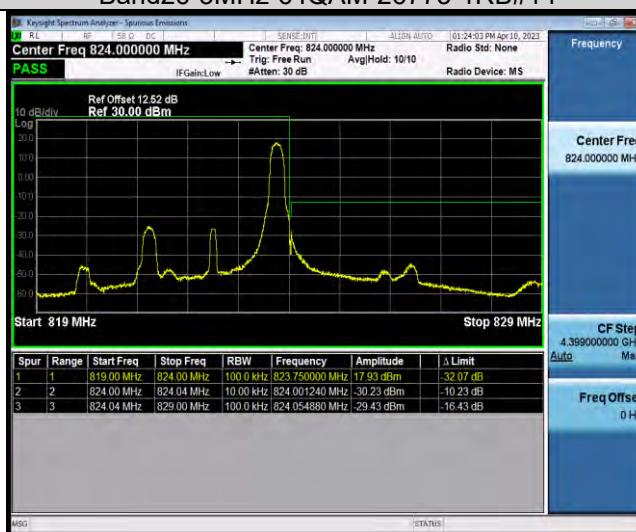
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Band26-3MHz-64QAM-26705-15RB#0



Band26-3MHz-64QAM-26775-1RB#14



Band26-3MHz-64QAM-26775-15RB#0

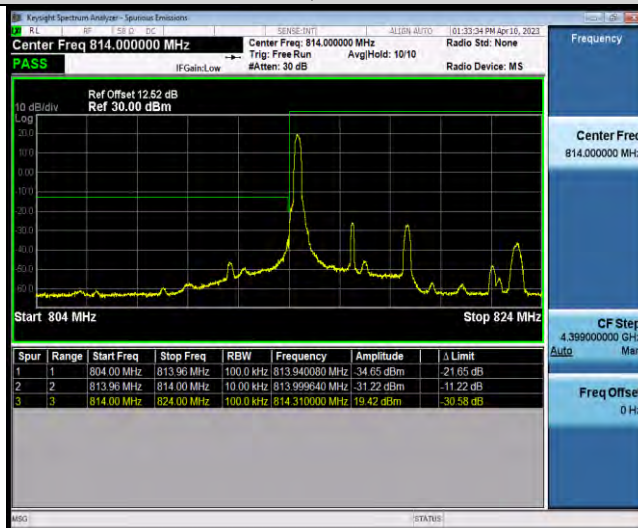


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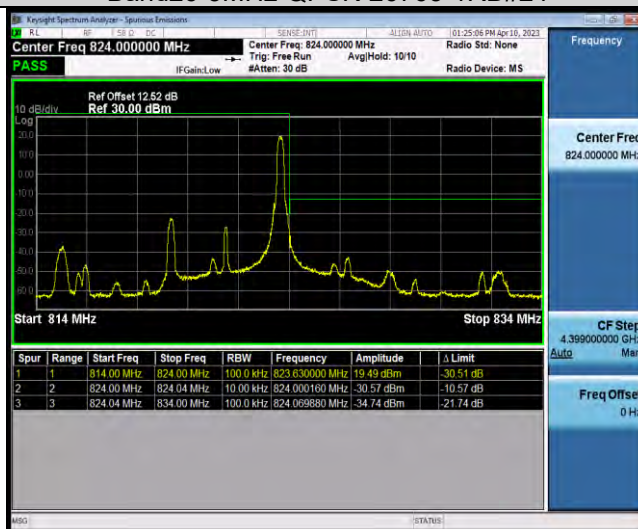
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Band26-5MHz-QPSK-26715-1RB#0



Band26-5MHz-QPSK-26765-1RB#24

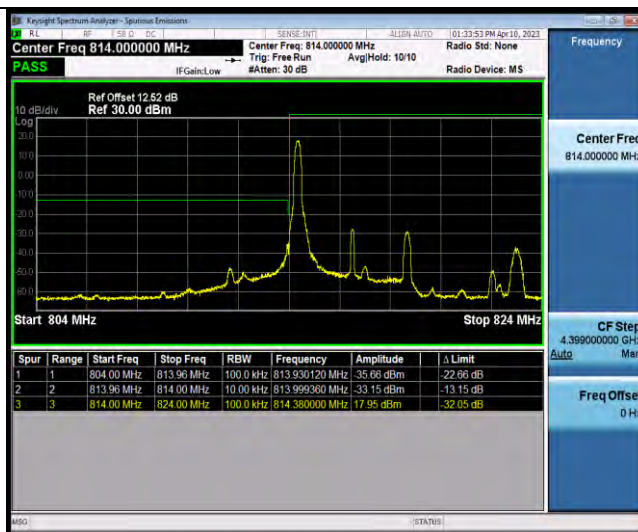


Band26-5MHz-16QAM-26715-1RB#0

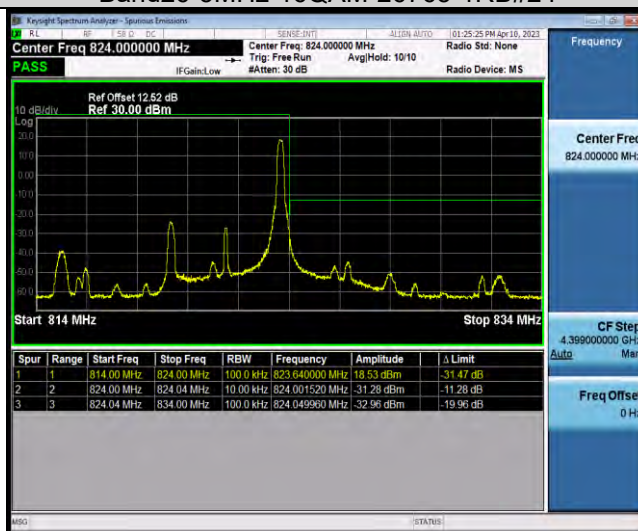


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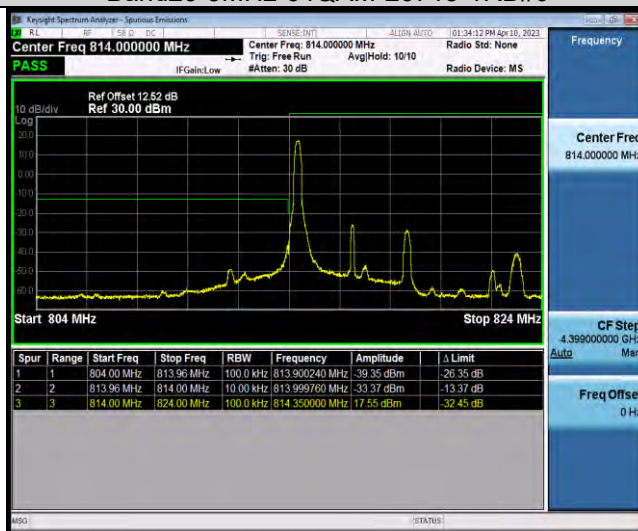
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Band26-5MHz-16QAM-26765-1RB#24



Band26-5MHz-64QAM-26715-1RB#0

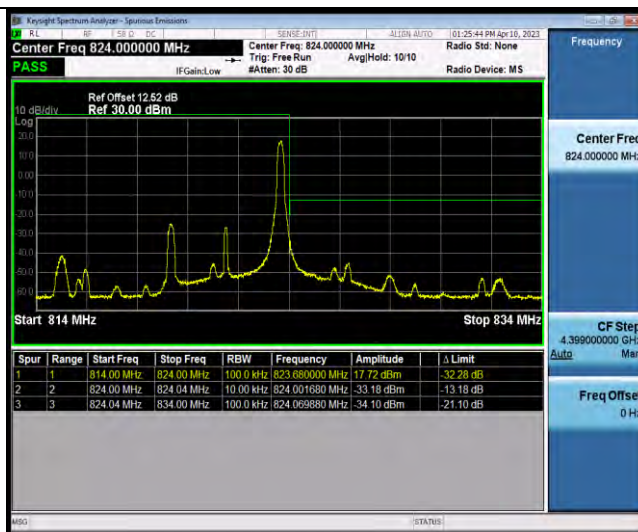


Band26-5MHz-64QAM-26765-1RB#24

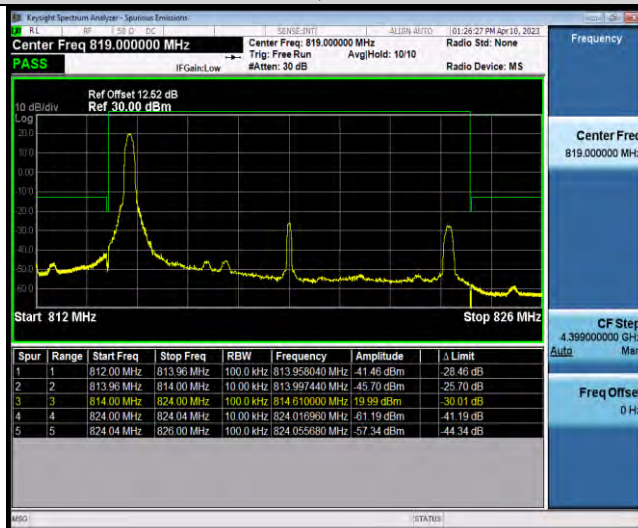


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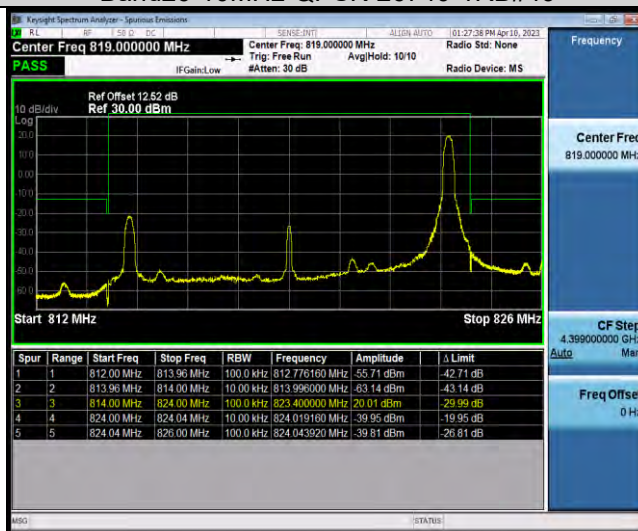
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Band26-10MHz-QPSK-26740-1RB#0



Band26-10MHz-QPSK-26740-1RB#49

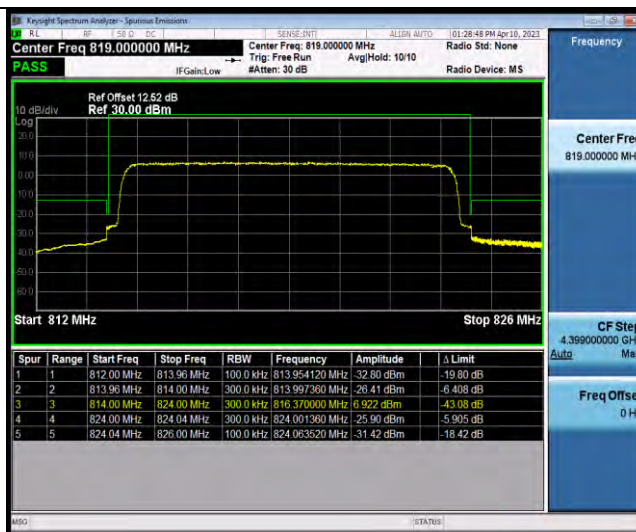


Band26-10MHz-QPSK-26740-50RB#0

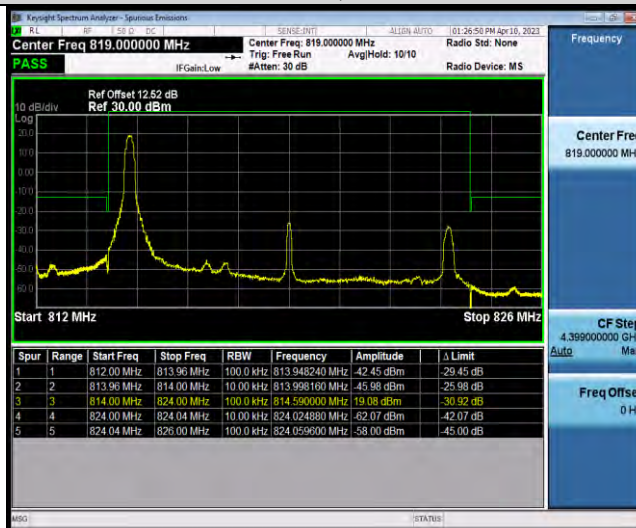


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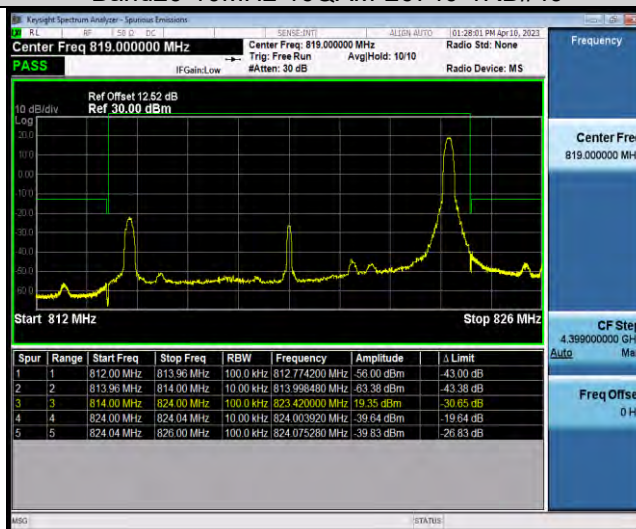
Test Report No.: W7L-P23030025RF08



Band26-10MHz-16QAM-26740-1RB#0



Band26-10MHz-16QAM-26740-1RB#49

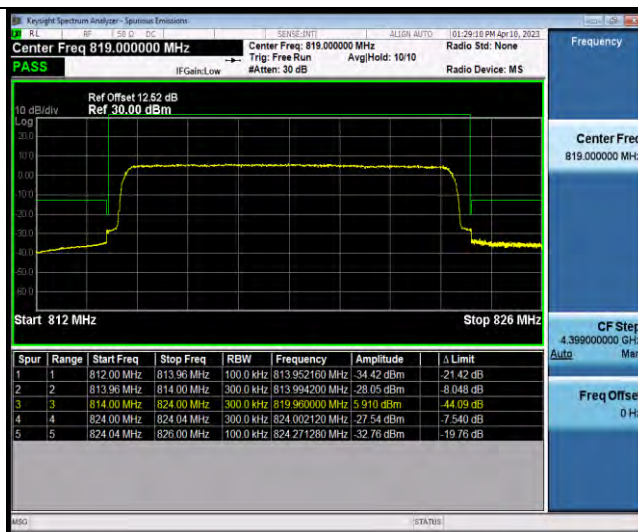


Band26-10MHz-16QAM-26740-50RB#0

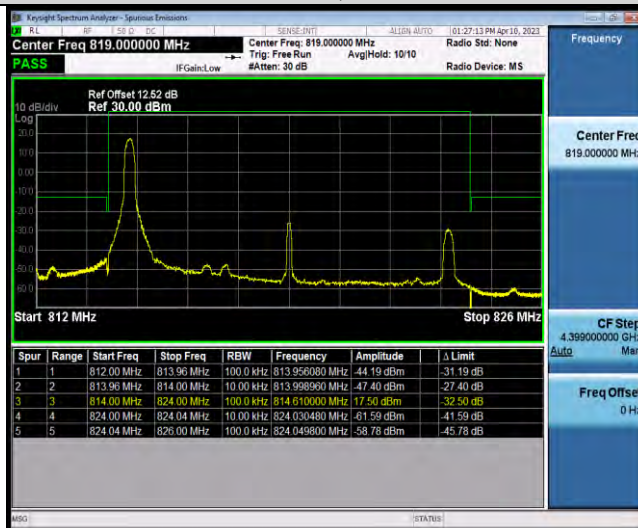


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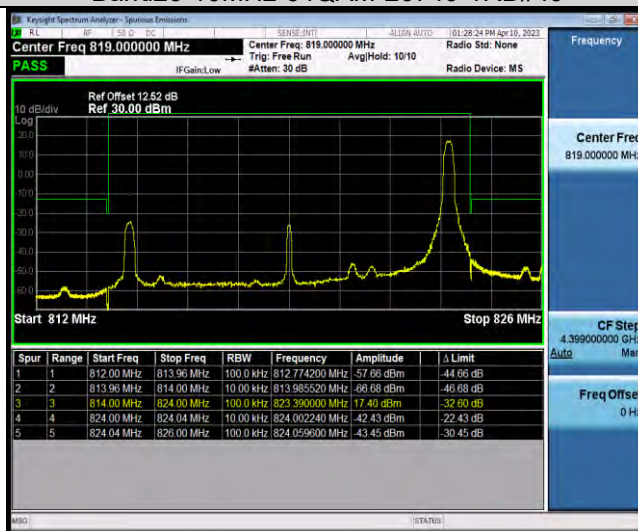
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Band26-10MHz-64QAM-26740-1RB#0



Band26-10MHz-64QAM-26740-1RB#49



Band26-10MHz-64QAM-26740-50RB#0



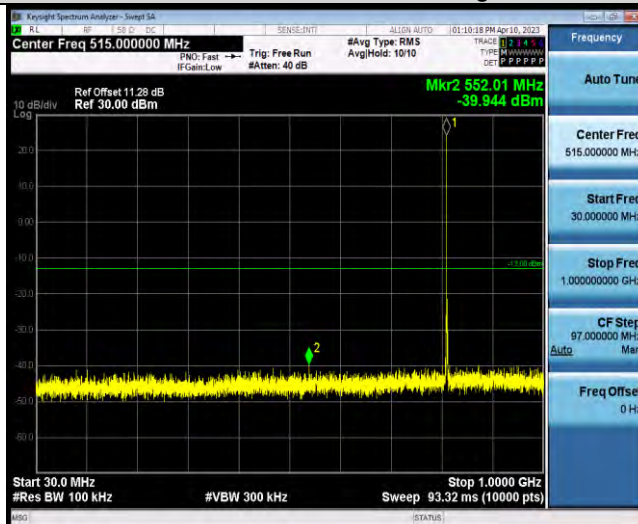
CONDUCTED SPURIOUS EMISSION

Test Result

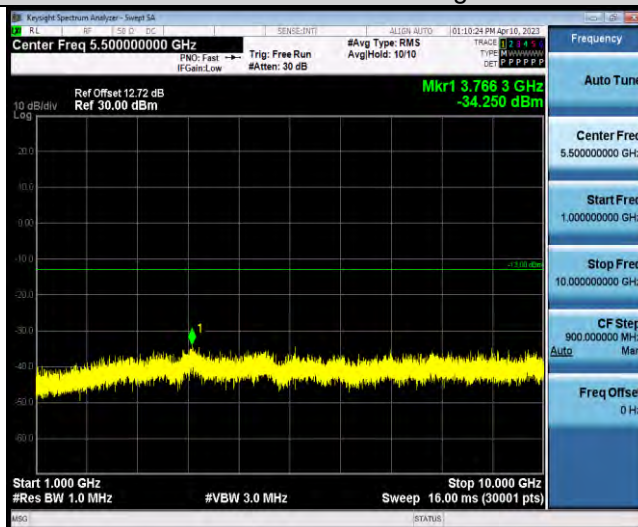
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	Range1:30~1000MHz	-39.94	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range2:1000~10000MHz	-34.25	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-40.37	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-34.75	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range1:30~1000MHz	-40.31	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range2:1000~10000MHz	-34.16	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range1:30~1000MHz	-39.46	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range2:1000~10000MHz	-33.91	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-39.86	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-34.23	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range1:30~1000MHz	-38.71	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range2:1000~10000MHz	-32.55	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range1:30~1000MHz	-39.45	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range2:1000~10000MHz	-34.15	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-38.96	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-34.69	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range1:30~1000MHz	-39.95	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range2:1000~10000MHz	-34.11	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-40.53	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-32.63	PASS

Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0-Range1:30~1000MHz



Band26-1.4MHz-QPSK-26697-1RB#0-Range2:1000~10000MHz

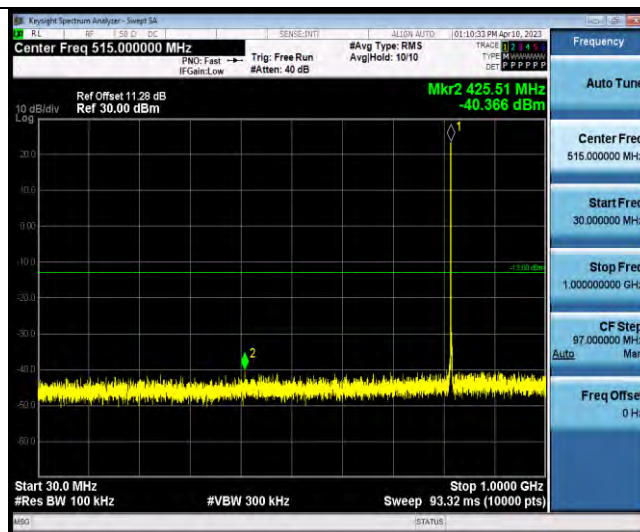


Band26-1.4MHz-QPSK-26740-1RB#0-Range1:30~1000MHz

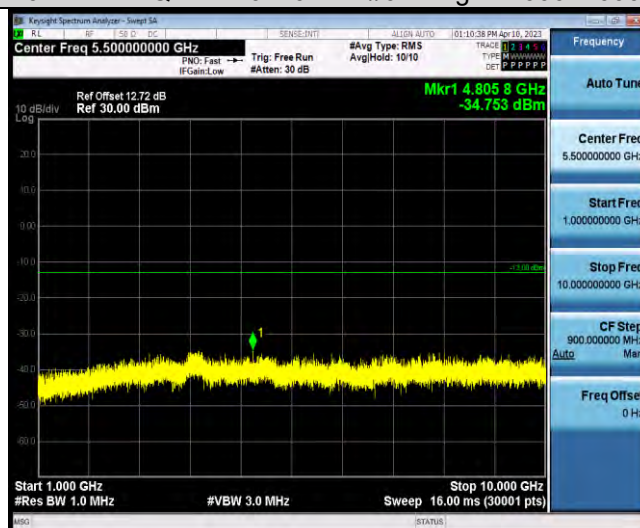


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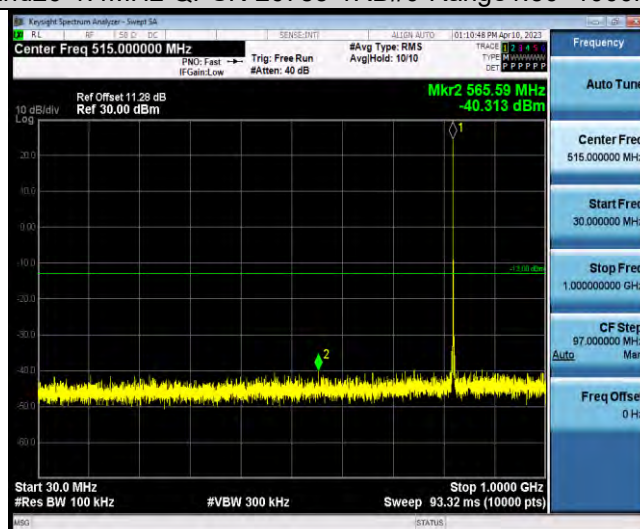
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Band26-1.4MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-1.4MHz-QPSK-26783-1RB#0-Range1:30~1000MHz

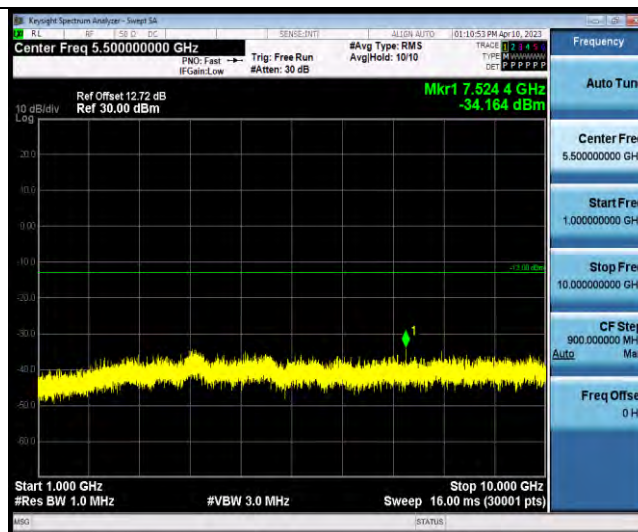


Band26-1.4MHz-QPSK-26783-1RB#0-Range2:1000~10000MHz

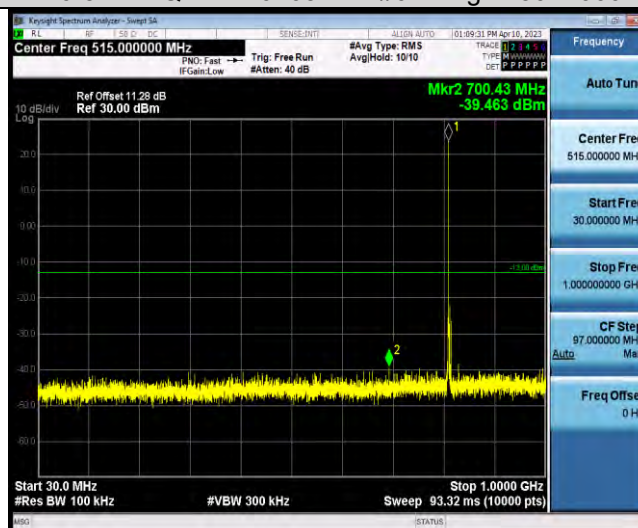


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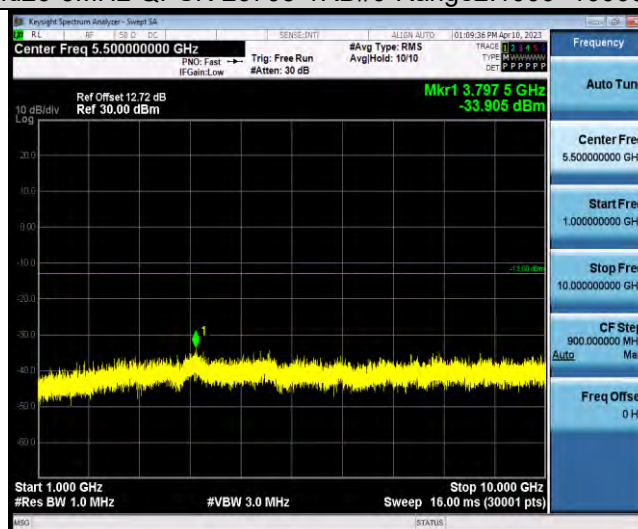
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Band26-3MHz-QPSK-26705-1RB#0-Range1:30~1000MHz



Band26-3MHz-QPSK-26705-1RB#0-Range2:1000~10000MHz

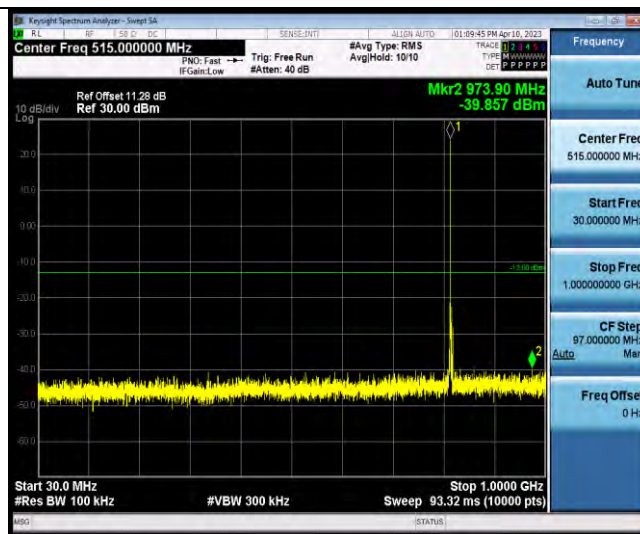


Band26-3MHz-QPSK-26740-1RB#0-Range1:30~1000MHz

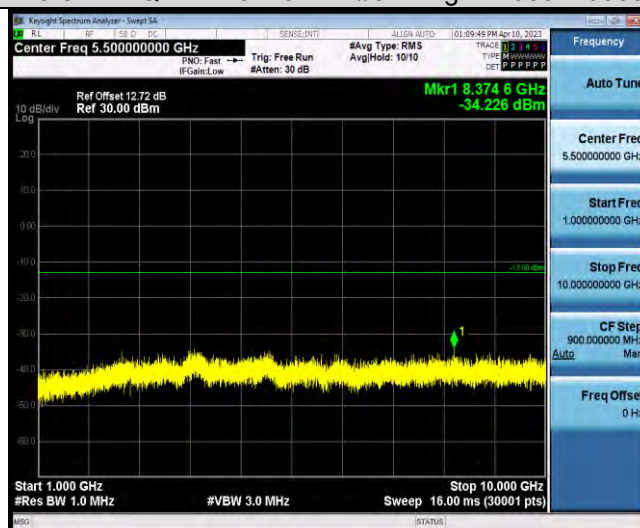


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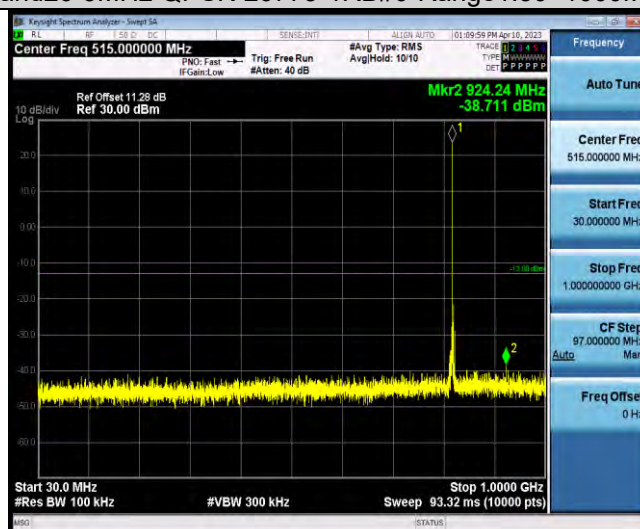
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Band26-3MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-3MHz-QPSK-26775-1RB#0-Range1:30~1000MHz

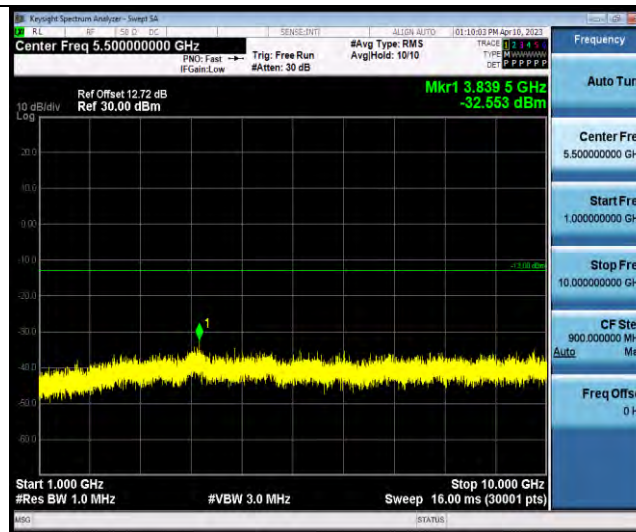


Band26-3MHz-QPSK-26775-1RB#0-Range2:1000~10000MHz



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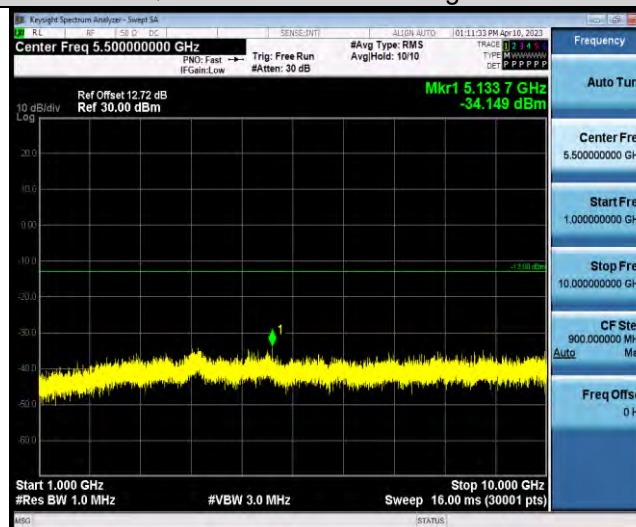
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Band26-5MHz-QPSK-26715-1RB#0-Range1:30~1000MHz



Band26-5MHz-QPSK-26715-1RB#0-Range2:1000~10000MHz

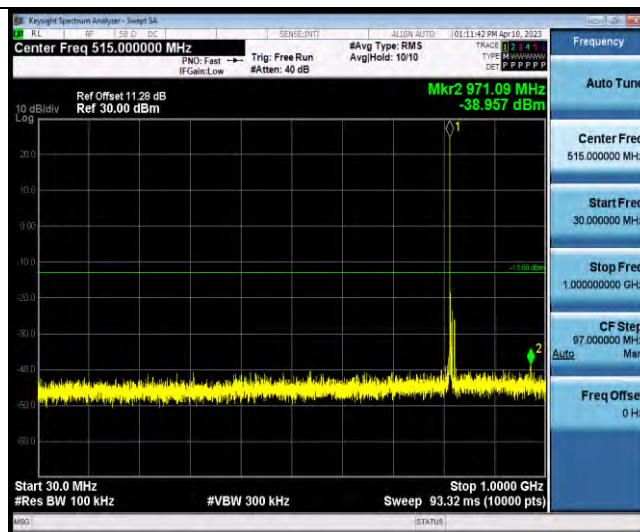


Band26-5MHz-QPSK-26740-1RB#0-Range1:30~1000MHz

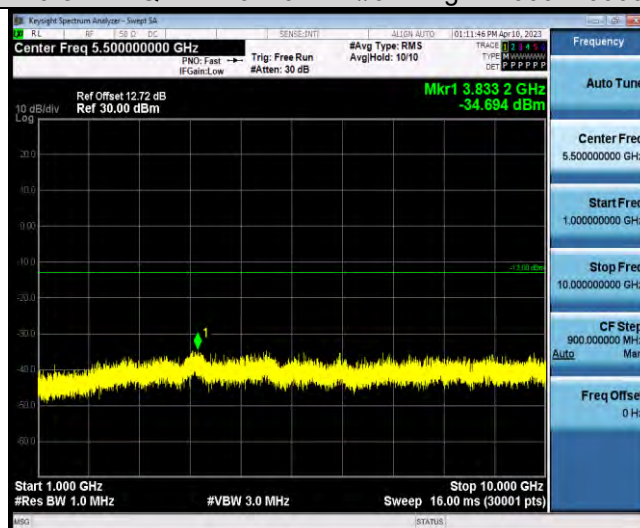


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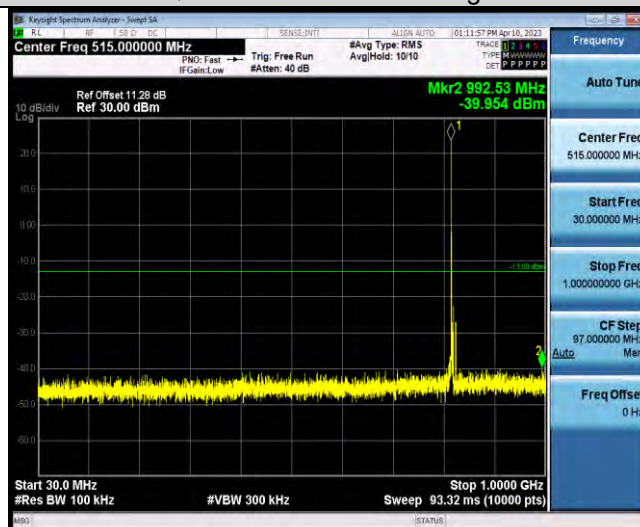
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Band26-5MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-5MHz-QPSK-26765-1RB#0-Range1:30~1000MHz

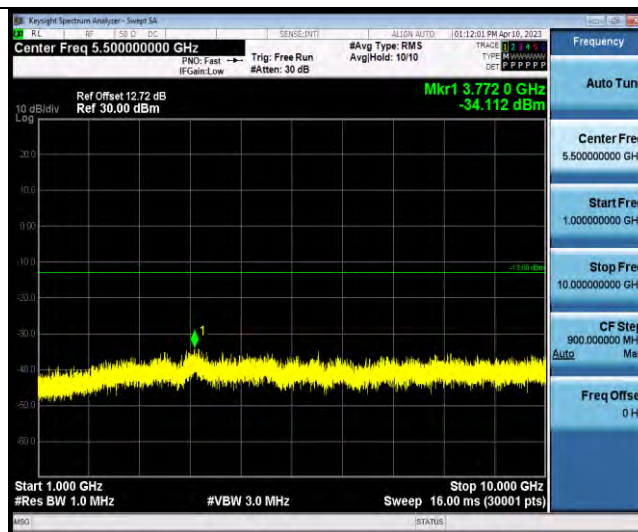


Band26-5MHz-QPSK-26765-1RB#0-Range2:1000~10000MHz

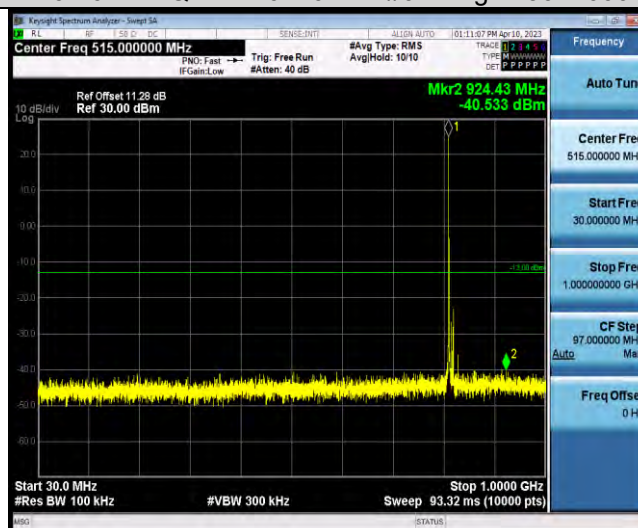


BUREAU
VERITAS

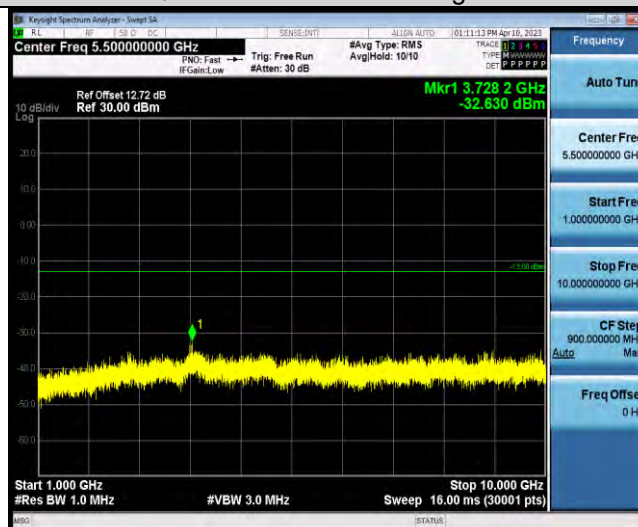
Test Report No.: W7L-P23030025RF08



Band26-10MHz-QPSK-26740-1RB#0-Range1:30~1000MHz



Band26-10MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	LV	NT	-3.23	-0.003944	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	NT	-2.73	-0.003333	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	HV	NT	1.09	0.001331	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	-2.10	-0.002564	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	0.83	0.001013	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-10	-1.57	-0.001917	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-1.96	-0.002393	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-2.60	-0.003175	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-3.06	-0.003736	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	-2.57	-0.003138	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-1.87	-0.002283	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-1.82	-0.002222	±2.5	PASS

Note: LV = Low voltage(3.4V); NV = Normal voltage(4V); HV = High voltage(4.35V);NT = Normal temperature (25°C).

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	814.511100	≥ 814	PASS
$f_H + \text{MAX}(\Delta f) $	823.48890	≤ 824	

Note : 1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = 3.23Hz.

---END---