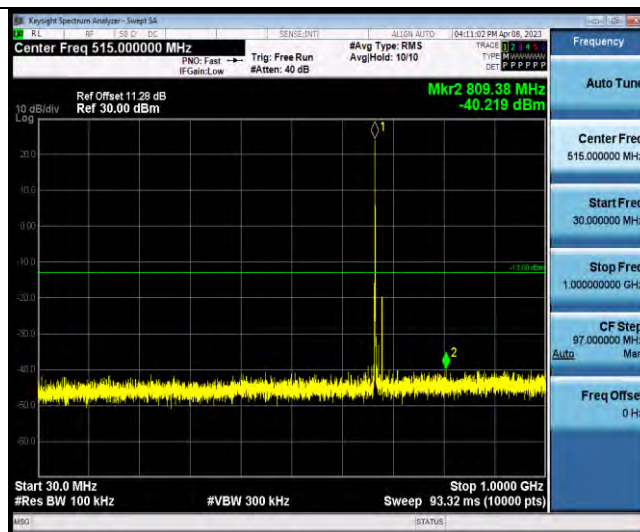


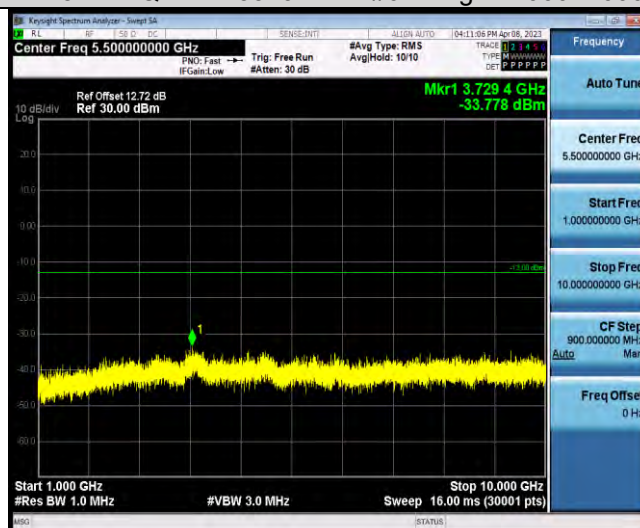


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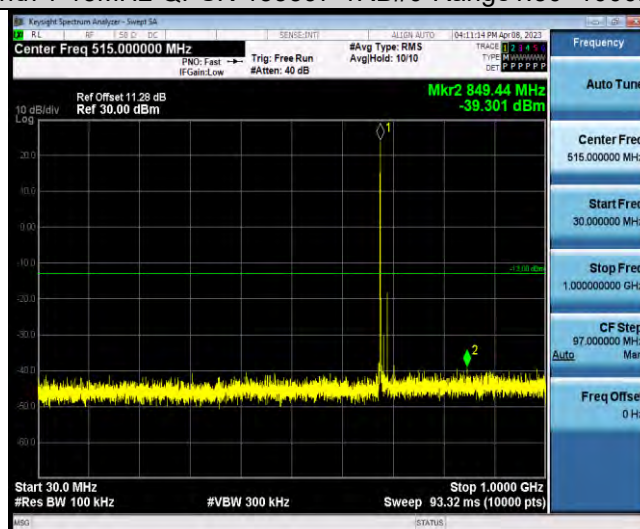
Test Report No.: W7L-P23030025RF06



Band71-15MHz-QPSK-133297-1RB#0-Range2:1000~10000MHz



Band71-15MHz-QPSK-133397-1RB#0-Range1:30~1000MHz

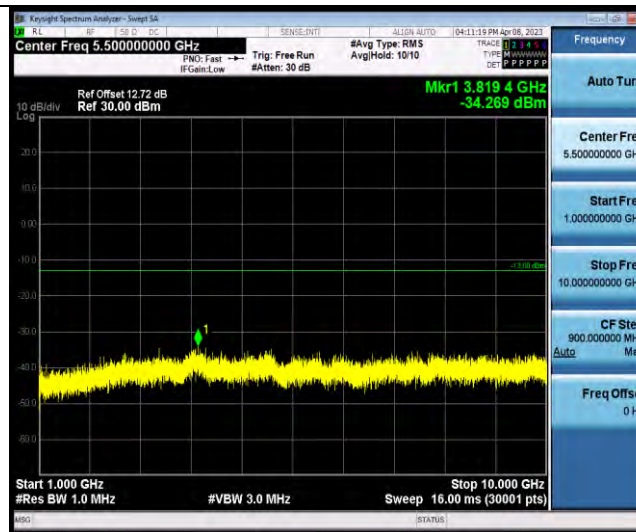


Band71-15MHz-QPSK-133397-1RB#0-Range2:1000~10000MHz

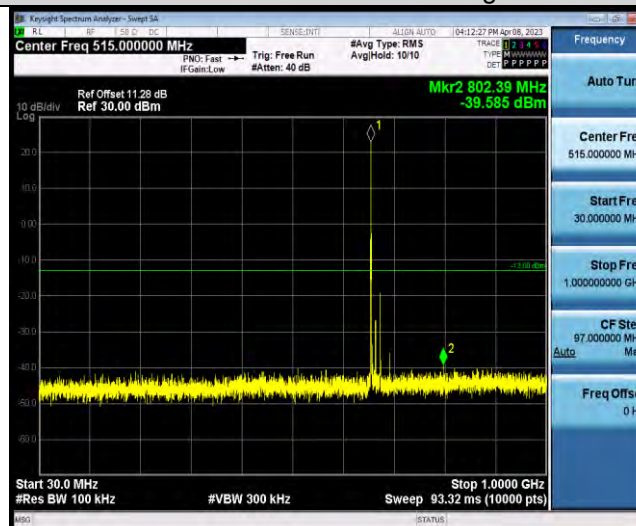


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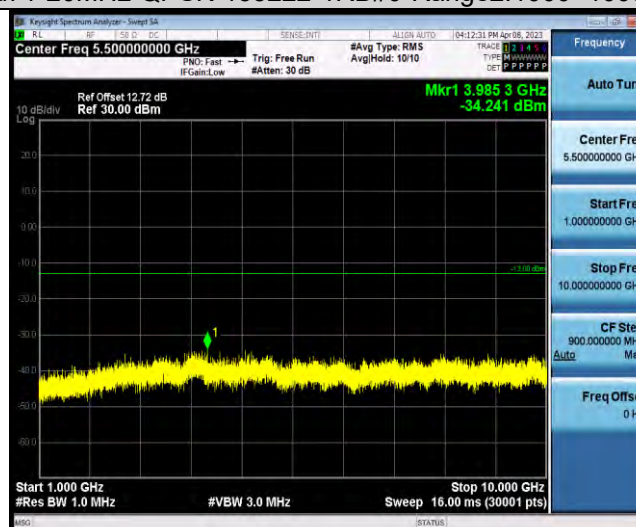
Test Report No.: W7L-P23030025RF06



Band71-20MHz-QPSK-133222-1RB#0-Range1:30~1000MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~10000MHz

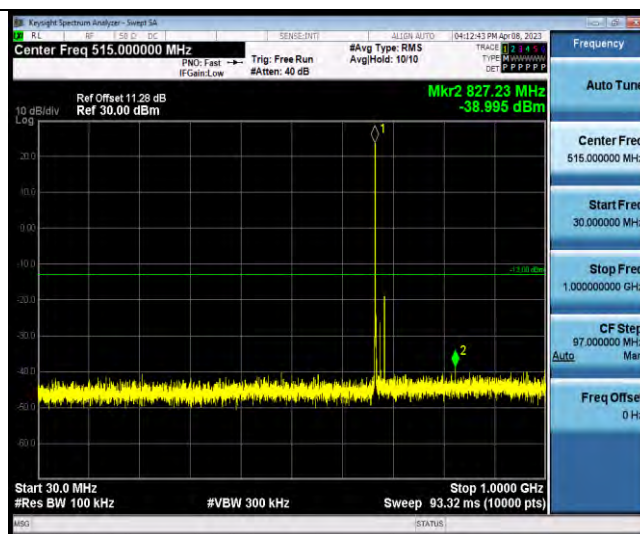


Band71-20MHz-QPSK-133322-1RB#0-Range1:30~1000MHz

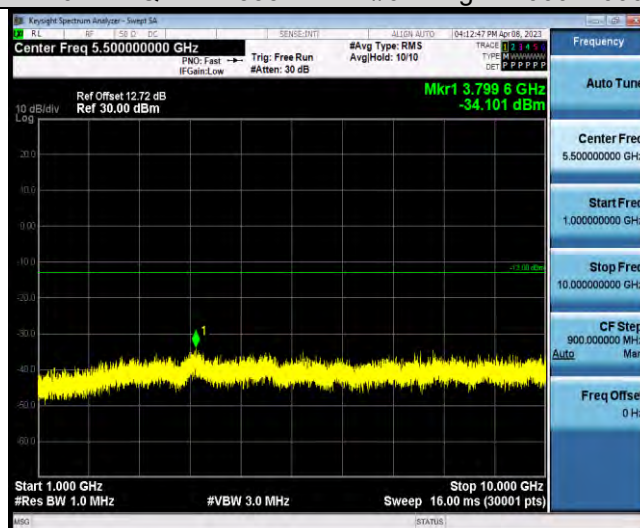


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VERITAS

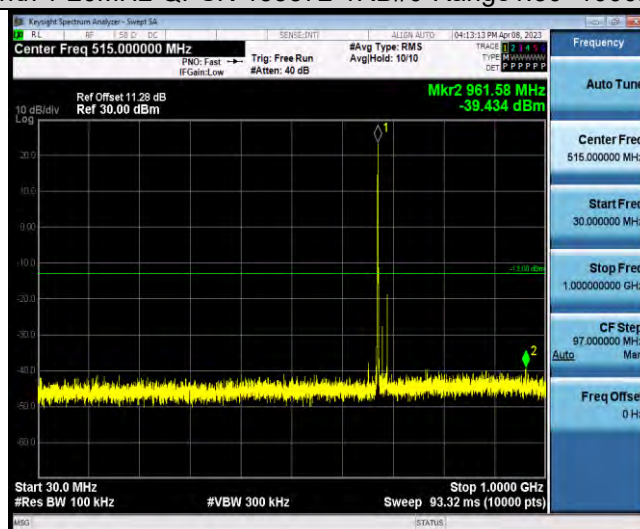
Test Report No.: W7L-P23030025RF06



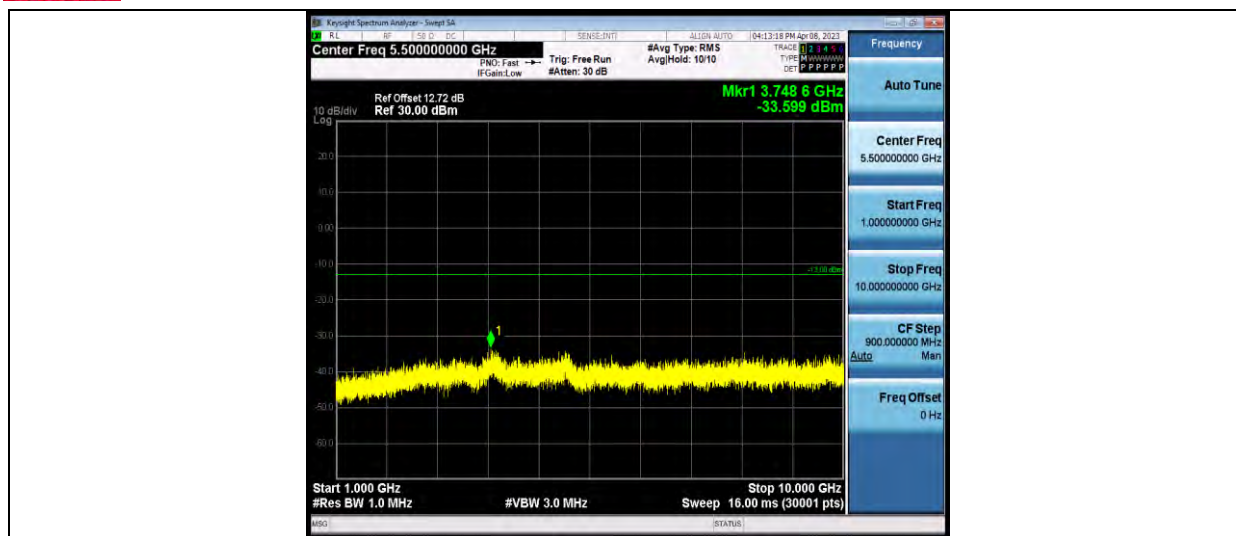
Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~10000MHz



Band71-20MHz-QPSK-133372-1RB#0-Range1:30~1000MHz



Band71-20MHz-QPSK-133372-1RB#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
Band7 1	20MHz	QPSK	13322 2	100RB#0	LV	NT	-2.55	-0.003789	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	NT	-1.49	-0.002214	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	HV	NT	-3.00	-0.004458	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	LV	NT	-1.29	-0.001889	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	NT	1.16	0.001698	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	HV	NT	-2.05	-0.003001	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	LV	NT	-2.30	-0.003343	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	NT	-2.27	-0.003299	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	HV	NT	-1.65	-0.002398	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	-30	-2.96	-0.004398	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	-20	-1.76	-0.002615	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	-10	-2.15	-0.003195	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	0	-2.86	-0.004250	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	10	-2.95	-0.004383	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	20	-3.16	-0.004695	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	30	-2.13	-0.003165	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	40	-1.12	-0.001664	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	50	-2.82	-0.004190	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	-30	-2.46	-0.003602	±2.5	PASS



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Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	-20	-3.49	-0.005110	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	-10	-2.46	-0.003602	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	0	-1.82	-0.002665	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	10	-3.05	-0.004466	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	20	-2.60	-0.003807	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	30	-1.42	-0.002079	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	40	-2.15	-0.003148	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	50	-1.73	-0.002533	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-30	1.59	0.002311	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-20	-2.17	-0.003154	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-10	0.96	0.001395	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	0	-1.99	-0.002892	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	10	-2.25	-0.003270	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	20	-2.70	-0.003924	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	30	-1.43	-0.002078	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	40	-2.13	-0.003096	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	50	-1.96	-0.002849	±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) $	664.068000	≥ 663	PASS
$f_H + \text{MAX}(\Delta f) $	696.94100	≤ 698	

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. $\text{MAX}(\Delta f)$ = 3.49Hz.

---END---