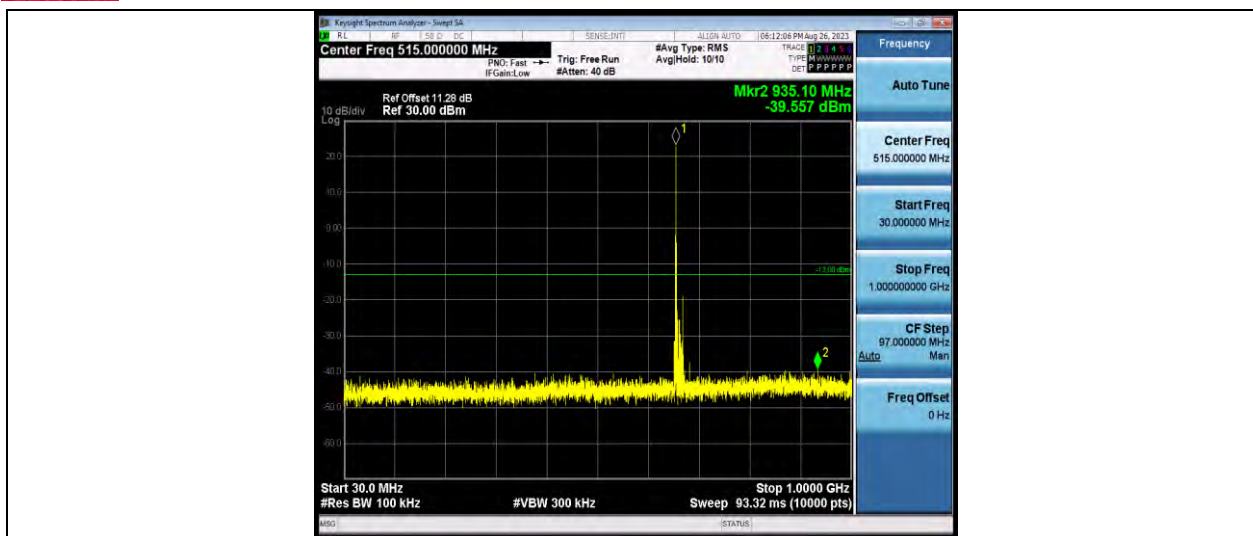
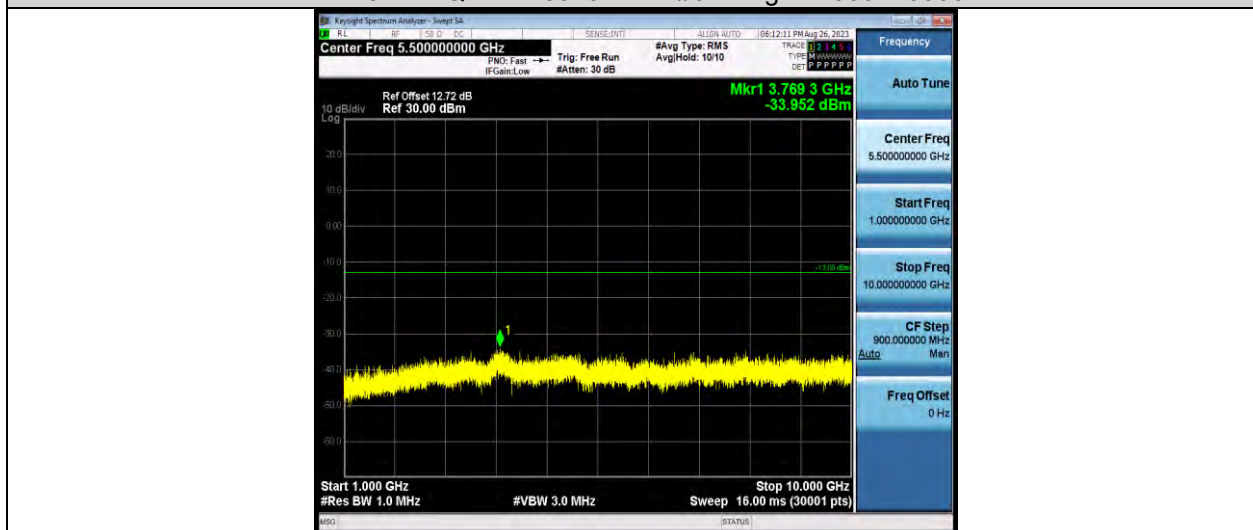
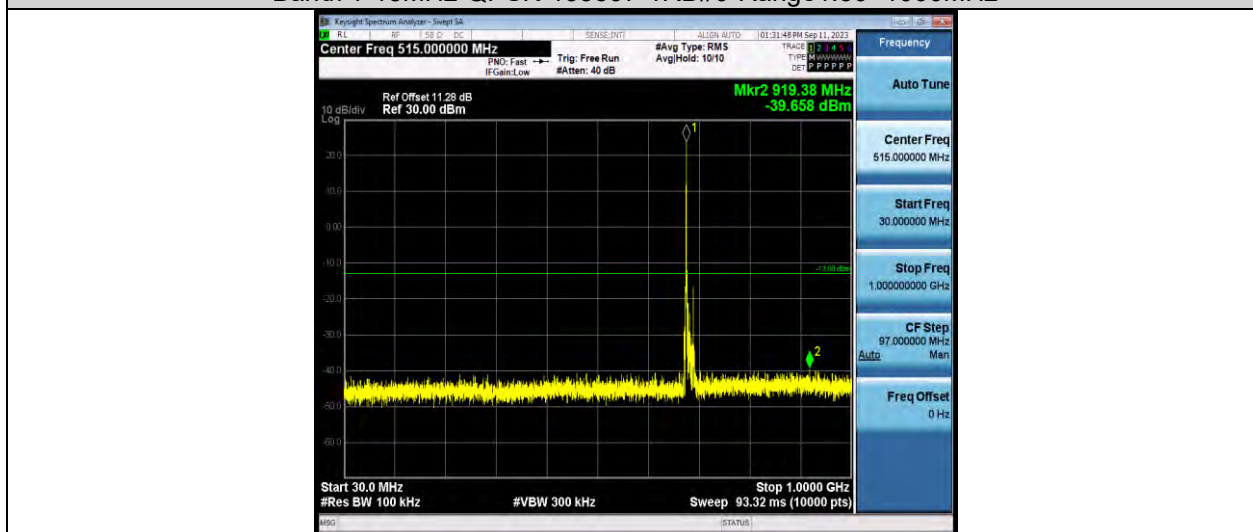




Band71-15MHz-QPSK-133297-1RB#0-Range2:1000~10000MHz



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

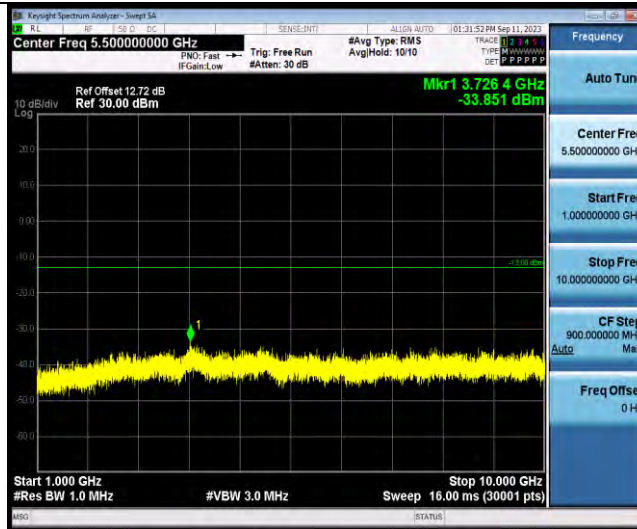


Band71-15MHz-QPSK-133397-1RB#0-Range2:1000~10000MHz

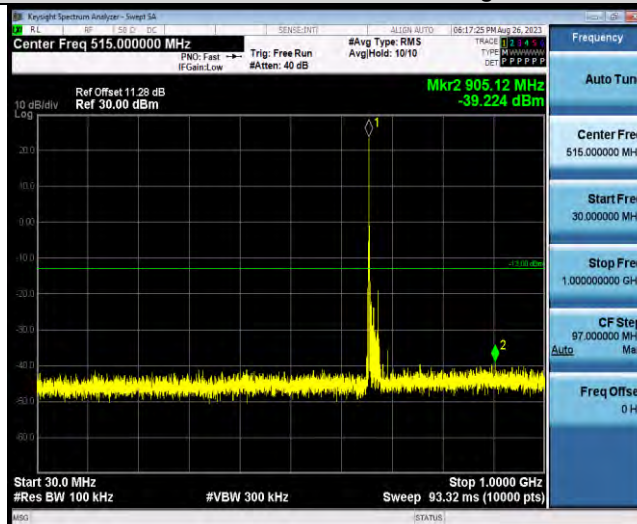


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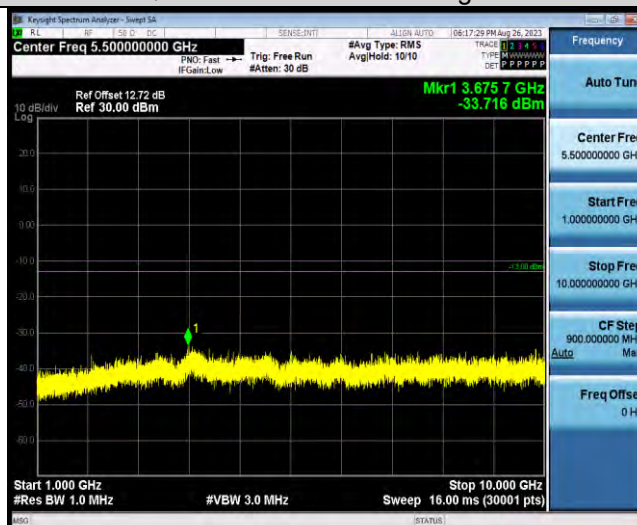
Test Report No.: W7L-P23070009RF03



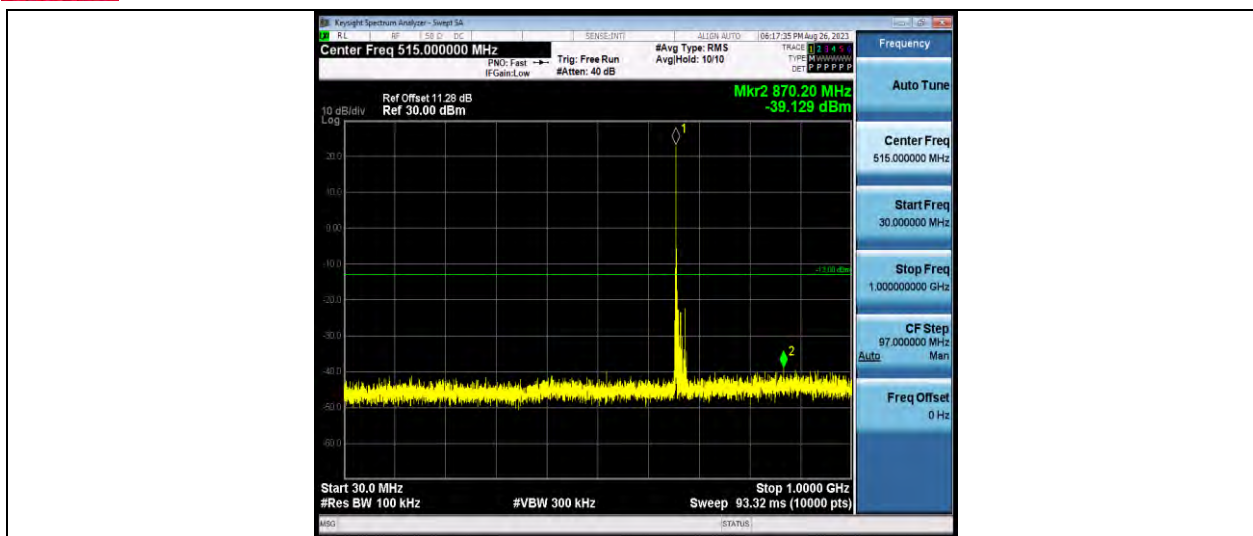
Band71-20MHz-QPSK-133222-1RB#0-Range1:30~1000MHz



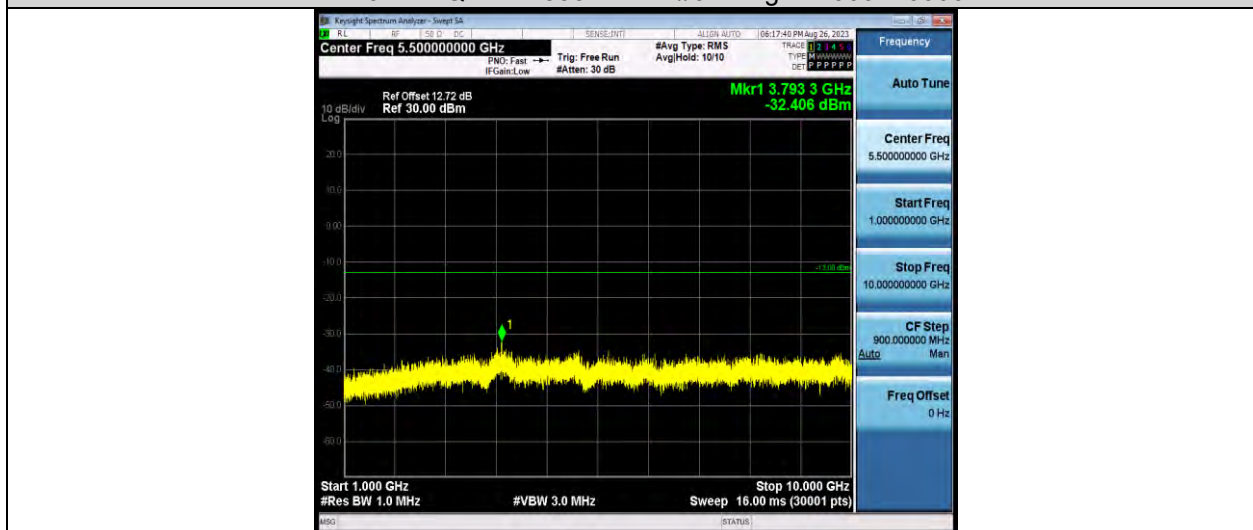
Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~10000MHz



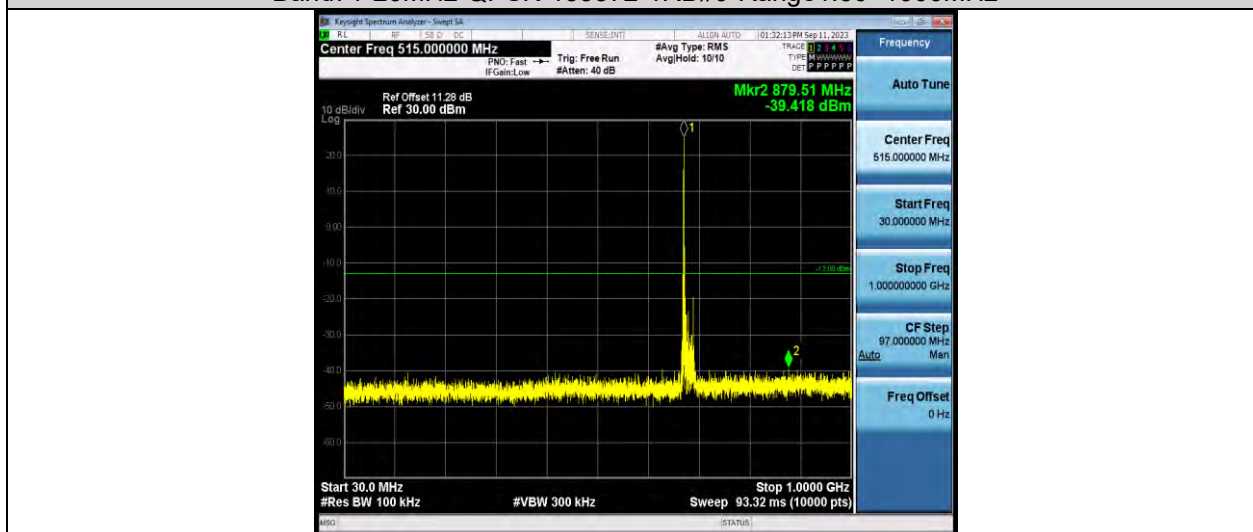
Band71-20MHz-QPSK-133322-1RB#0-Range1:30~1000MHz



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



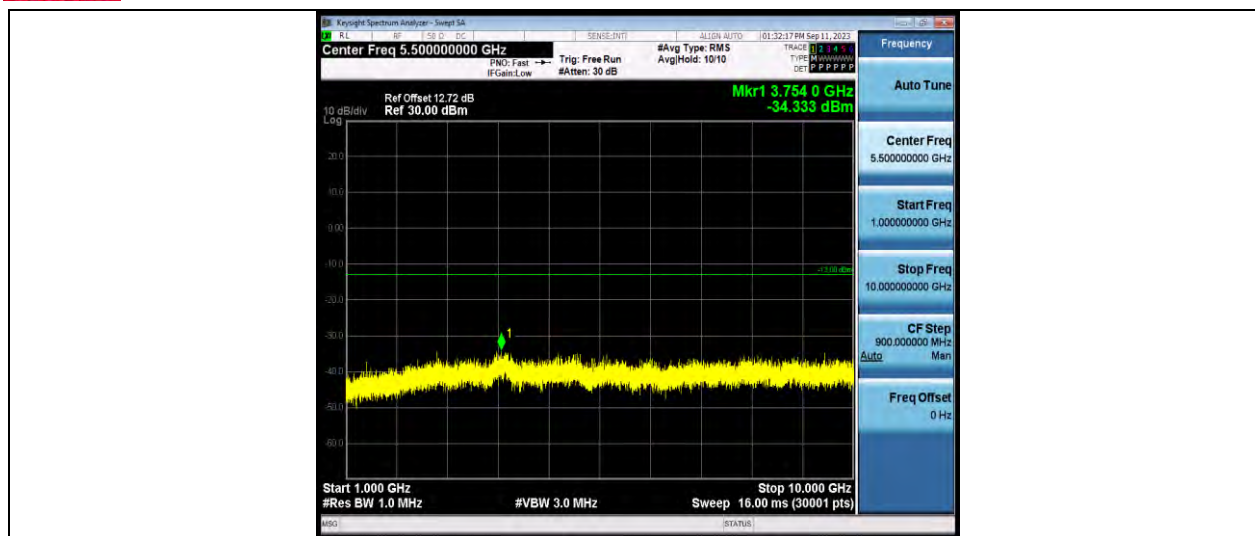
Band71-20MHz-QPSK-133372-1RB#0-Range1:30~1000MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~10000MHz



Test Report No.: W7L-P23070009RF03



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	-4.81	-0.007147	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	NT	-3.75	-0.005572	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	HV	NT	-5.08	-0.007548	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	LV	NT	-5.49	-0.008038	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	NT	3.15	0.004612	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	HV	NT	-4.49	-0.006574	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	LV	NT	-4.46	-0.006483	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	NT	5.38	0.007820	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	HV	NT	-3.79	-0.005509	±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	-5.16	-0.007667	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	-20	-5.61	-0.008336	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	-10	-3.02	-0.004487	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	0	-6.17	-0.009168	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	10	-3.39	-0.005037	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	20	-4.36	-0.006478	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	30	-5.98	-0.008886	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	40	-5.61	-0.008336	±2.5	PASS
Band7 1	20MHz	QPSK	13322 2	100RB#0	NV	50	-3.82	-0.005676	±2.5	PASS
Band7	20MHz	QPSK	13332	100RB#0	NV	-30	-5.48	-0.008023	±2.5	PASS



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1			2							
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	-20	-5.54	-0.008111	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	-10	-7.12	-0.010425	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	0	-4.58	-0.006706	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	10	-1.26	-0.001845	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	20	-1.76	-0.002577	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	30	-2.90	-0.004246	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	40	-6.41	-0.009385	±2.5	PASS
Band7 1	20MHz	QPSK	13332 2	100RB#0	NV	50	-2.56	-0.003748	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-30	-3.71	-0.005392	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-20	-5.32	-0.007733	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	-10	-3.96	-0.005756	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	0	-4.01	-0.005828	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	10	-4.29	-0.006235	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	20	-7.64	-0.011105	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	30	-2.25	-0.003270	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	40	-4.92	-0.007151	±2.5	PASS
Band7 1	20MHz	QPSK	13337 2	100RB#0	NV	50	-5.58	-0.008110	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	664.006508	≥ 663	PASS
$f_H + \text{MAX}(\Delta f) $	696.996992	≤ 698	

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

2. f_L = Occ low channel $f_L(-13\text{dBm/MHz})$

3. f_H = Occ High channel $f_H(-13\text{dBm/MHz})$

4. $|\text{MAX}(\Delta f)| = 7.64 \text{ Hz}$.

--END--