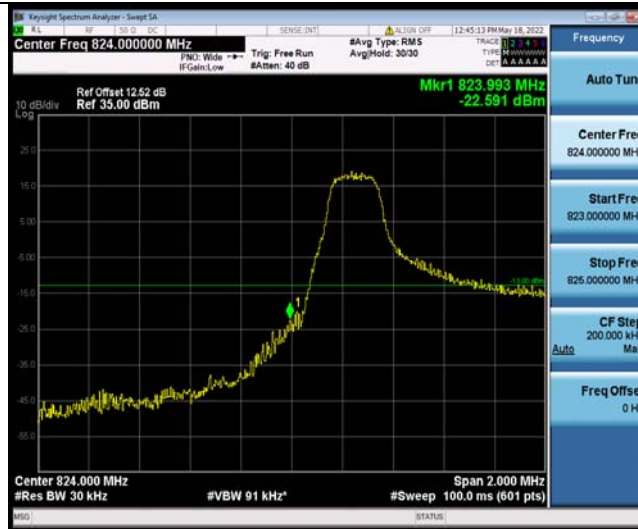




BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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

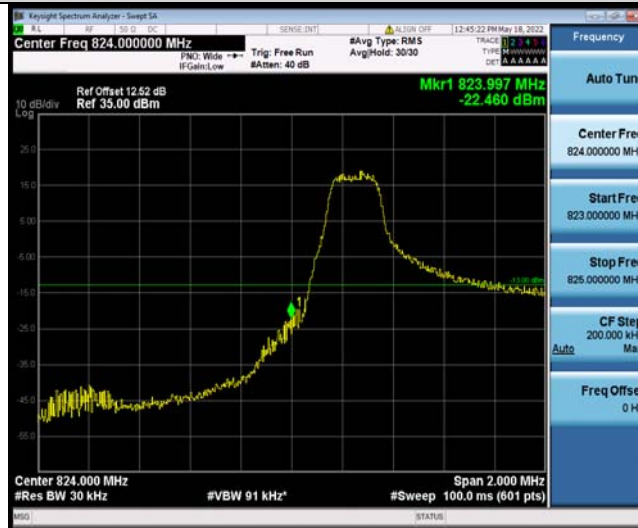


BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



Band5-3MHz-16QAM-20415-1RB#0



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0



BUREAU VERITAS

### Test Report No.: W7L-P22090011RF04



Band5-5MHz-16QAM-20625-1RB#24



Band5-5MHz-16QAM-20625-25RB#0



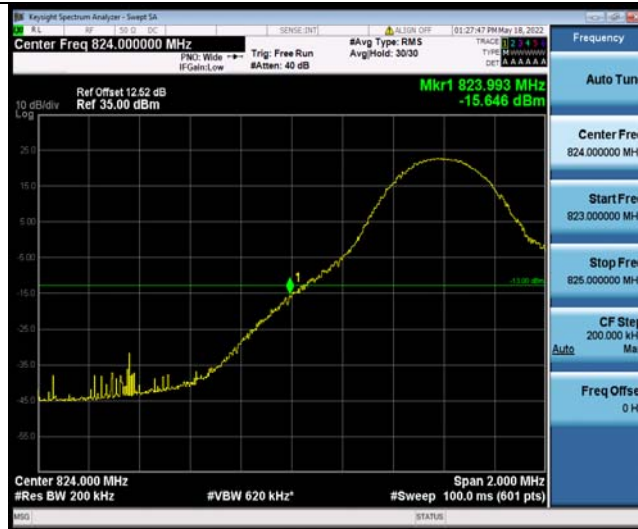
Band5-10MHz-QPSK-20450-1RB#0





BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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



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



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

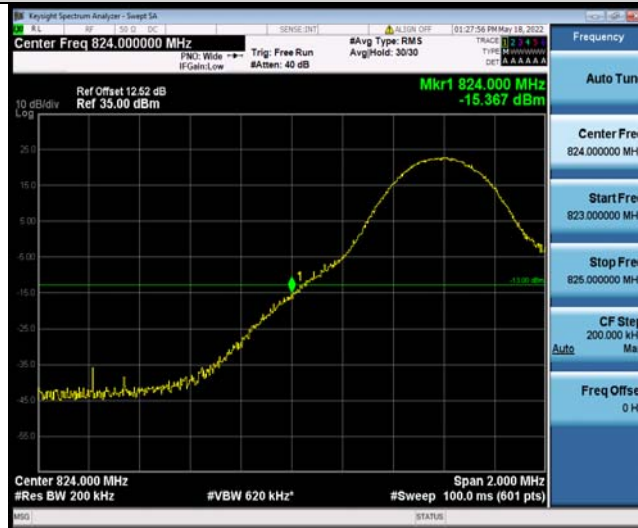


BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



Band5-10MHz-16QAM-20450-1RB#0



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



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



BUREAU VERITAS

Test Report No.: W7L-P22090011RF04



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





CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-39.09	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-22.53	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-40.08	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-24.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-40.57	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-22.78	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-40.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-24.64	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-39.87	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-22.59	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-40.36	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-22.8	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-40.32	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-22.8	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-40.63	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-23.05	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-39.79	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-21.53	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-40.29	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-26.15	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-40.8	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-23.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-39.41	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-23.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-39.52	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-21.58	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-40.33	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-22.47	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-39.03	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-22.66	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-39.7	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-24.85	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-40.41	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-24.55	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-40.58	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-23.72	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-40.44	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-22.01	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-38.92	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-24.41	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-40.34	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-24.14	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-40.42	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-22.62	PASS

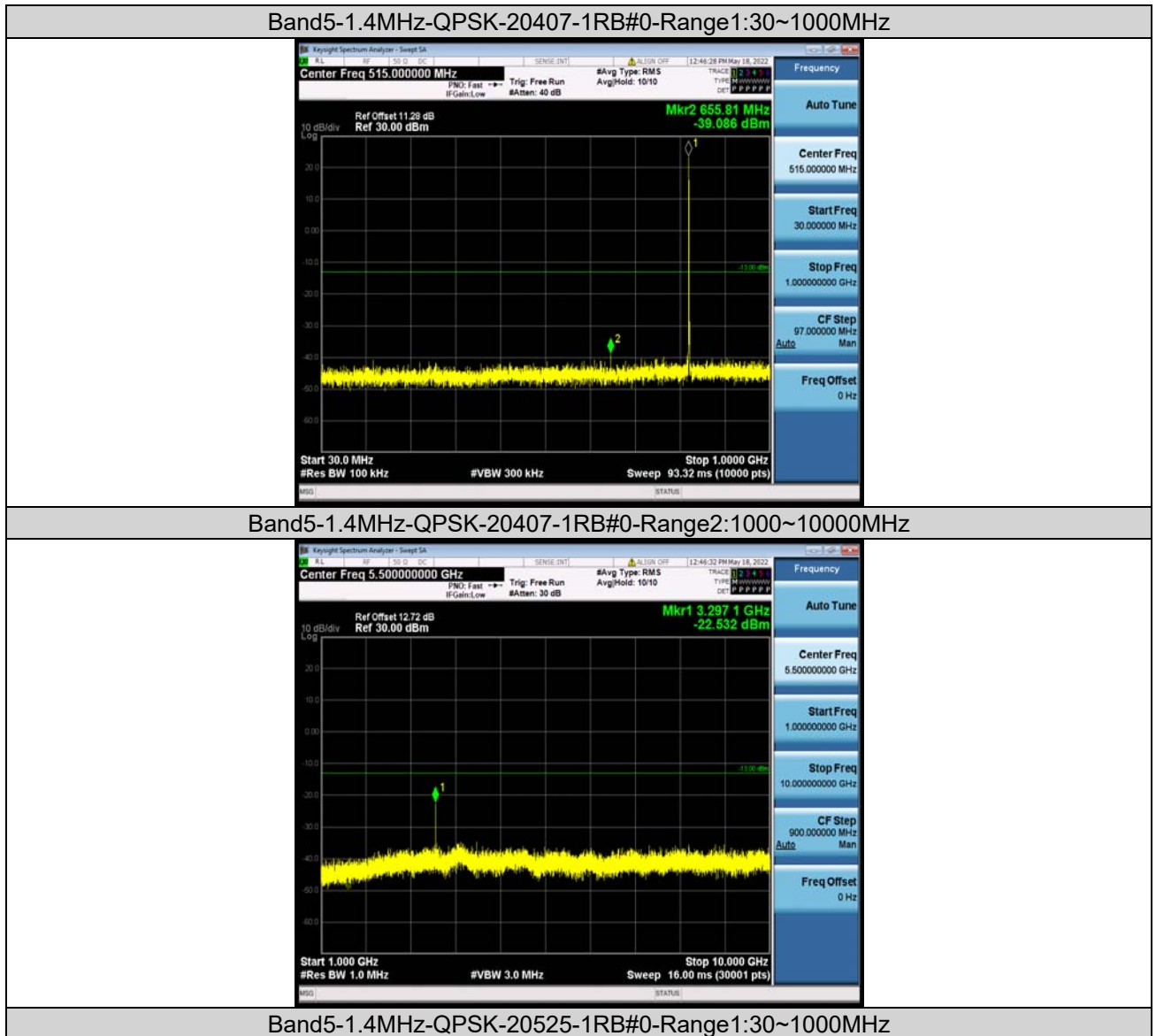


**BUREAU  
VERITAS**

**Test Report No.: W7L-P22090011RF04**

Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-40.64	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-22.8	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-40.82	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-23.45	PASS

**Test Graphs**



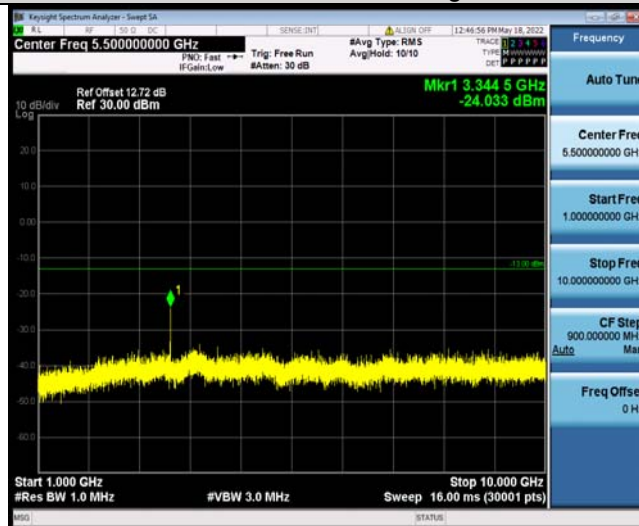


BUREAU VERITAS

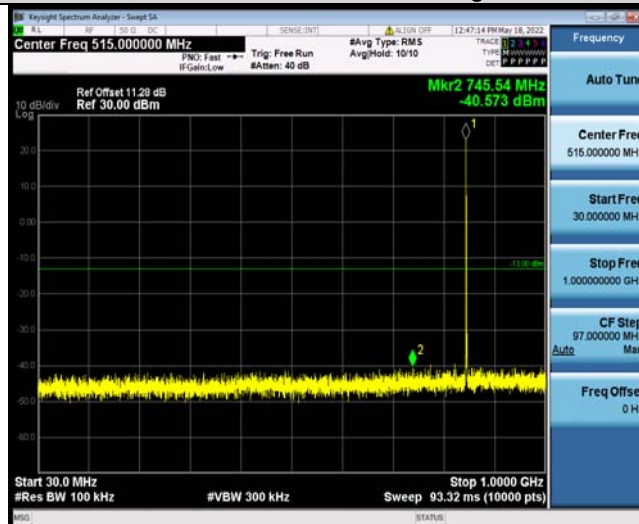
Test Report No.: W7L-P22090011RF04



Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

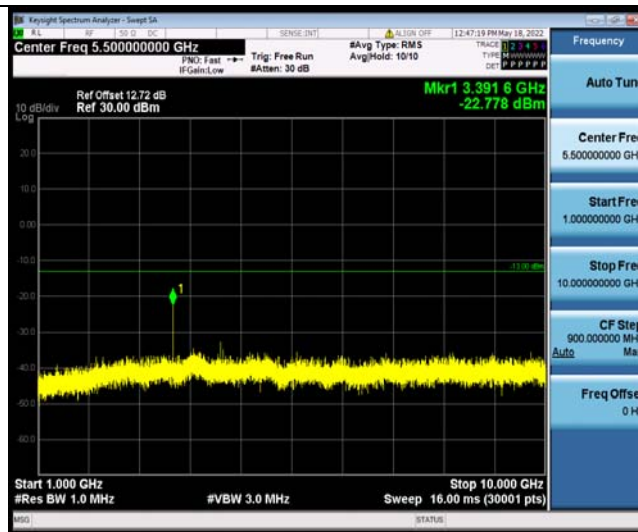


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



BUREAU VERITAS

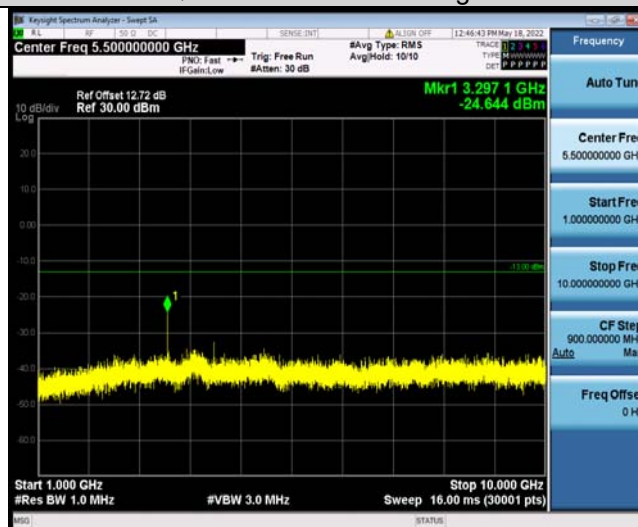
Test Report No.: W7L-P22090011RF04



Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~1000MHz

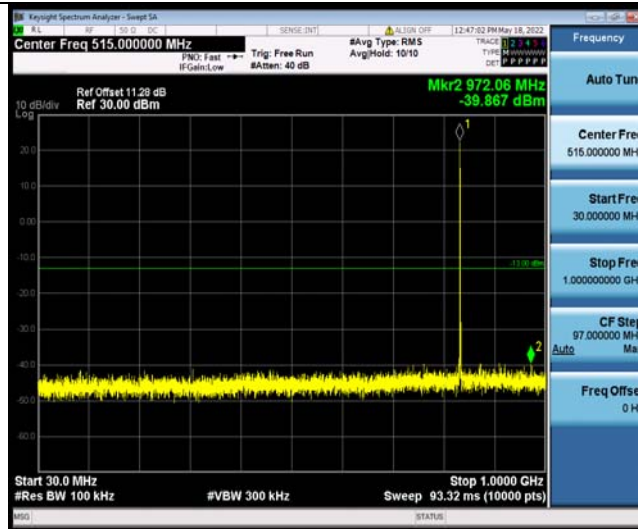


Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

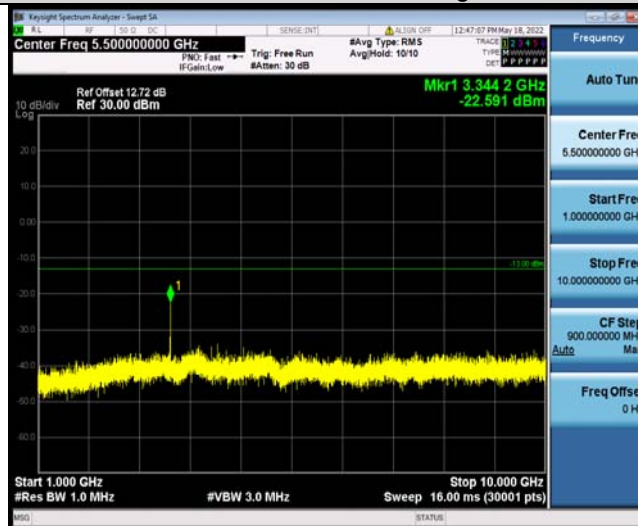


BUREAU VERITAS

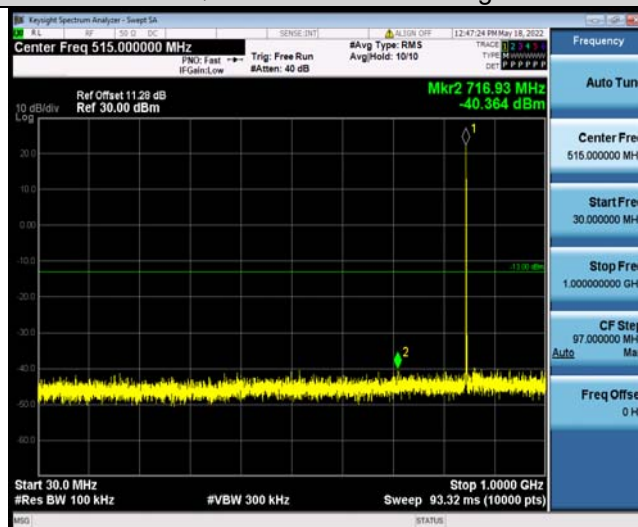
Test Report No.: W7L-P22090011RF04



Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



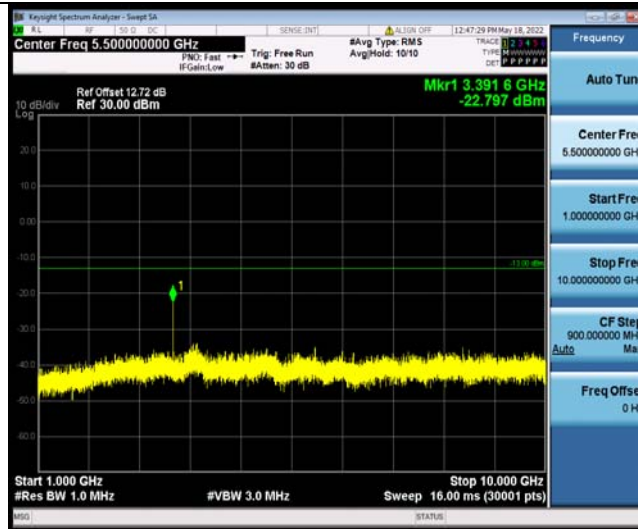
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



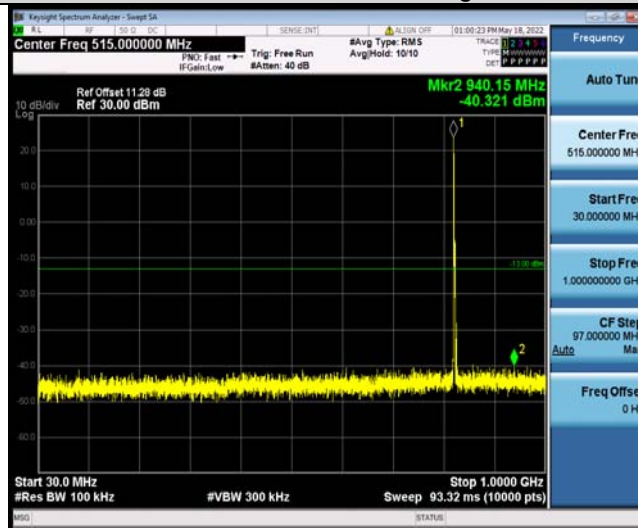


BUREAU VERITAS

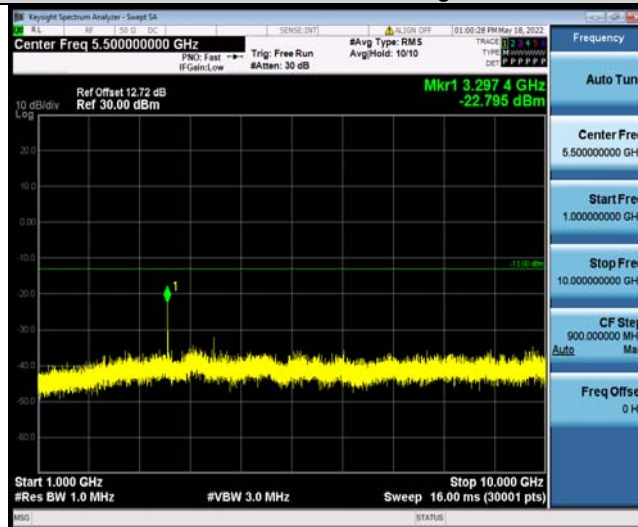
Test Report No.: W7L-P22090011RF04



Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~1000MHz

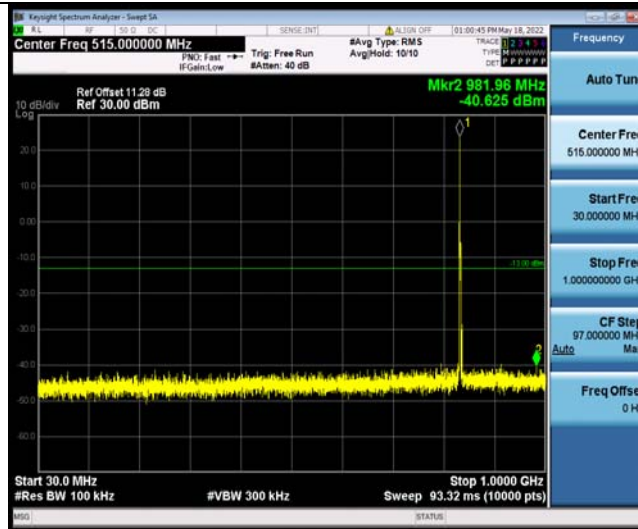


Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

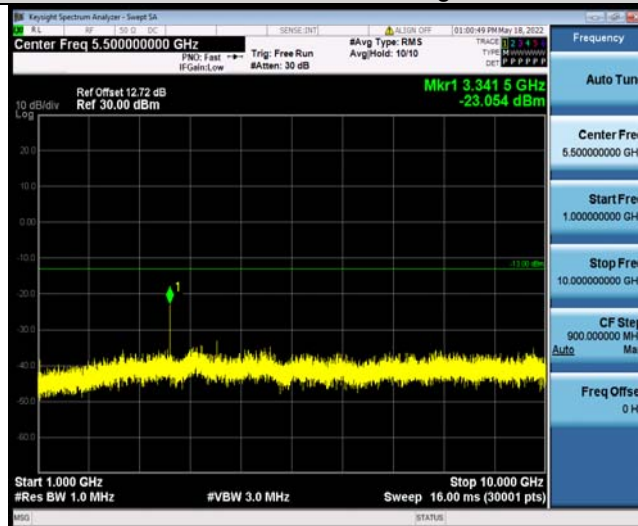


BUREAU VERITAS

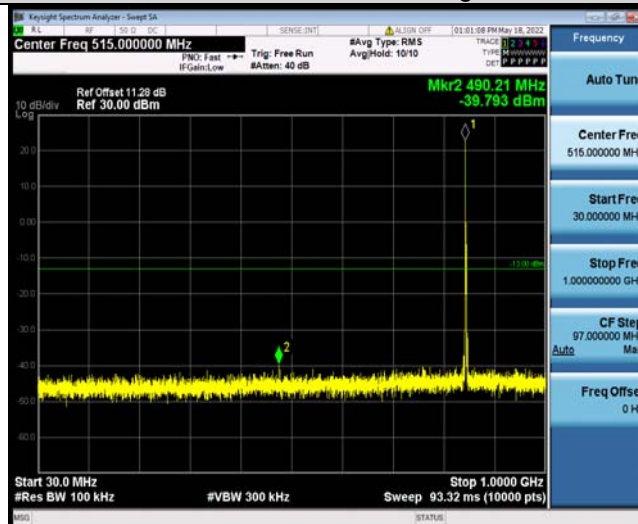
Test Report No.: W7L-P22090011RF04



Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

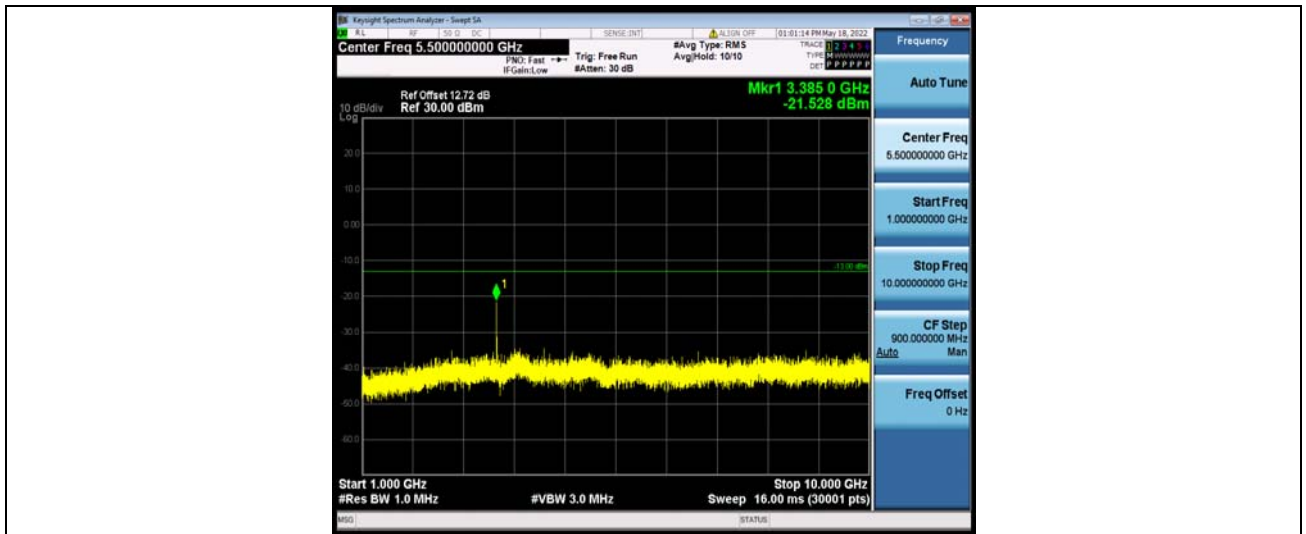


Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz

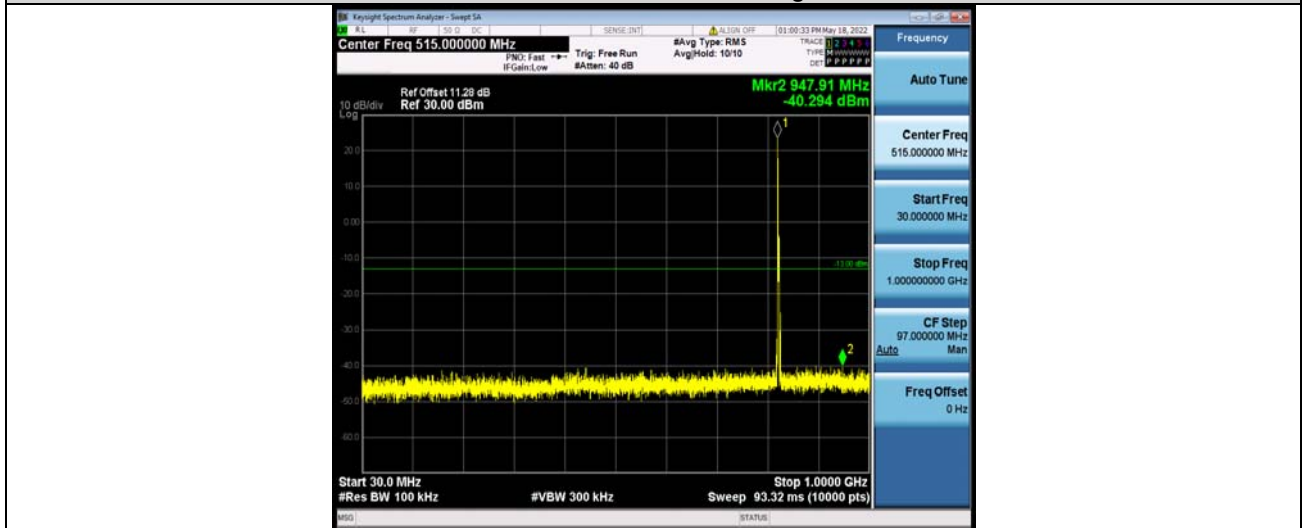


BUREAU VERITAS

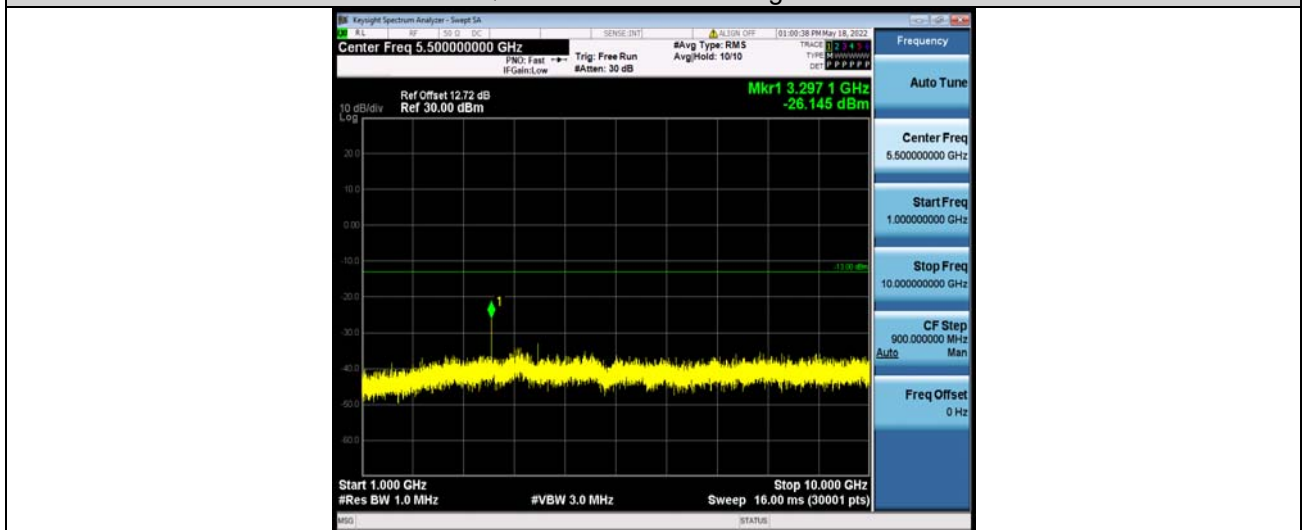
Test Report No.: W7L-P22090011RF04



Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

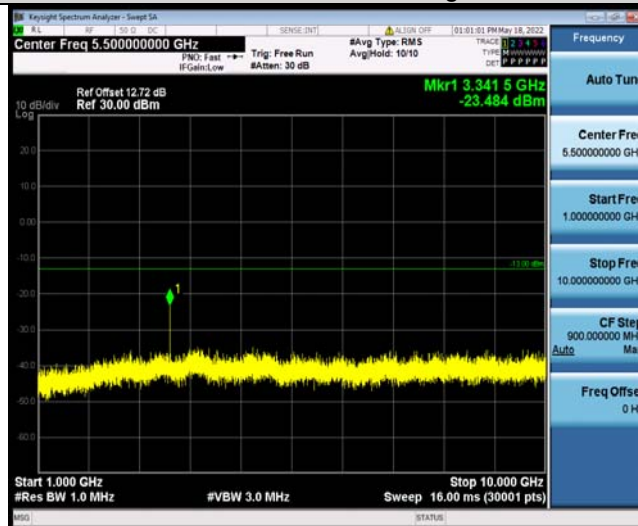


BUREAU VERITAS

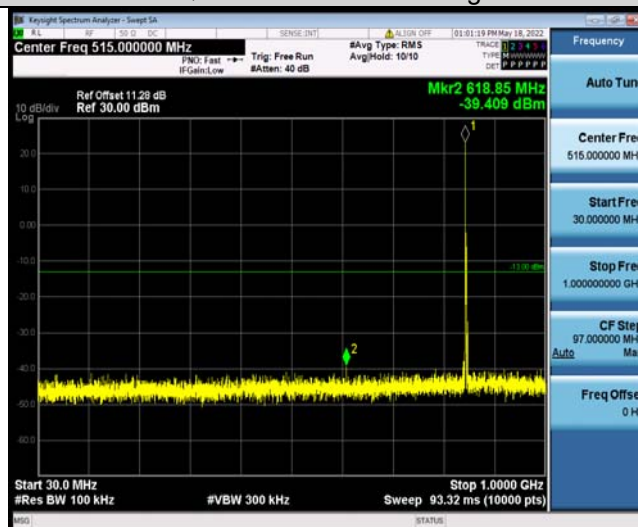
Test Report No.: W7L-P22090011RF04



Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz

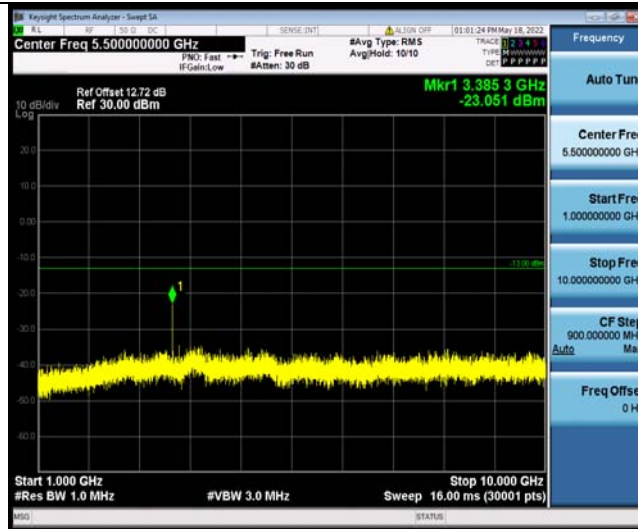


Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz

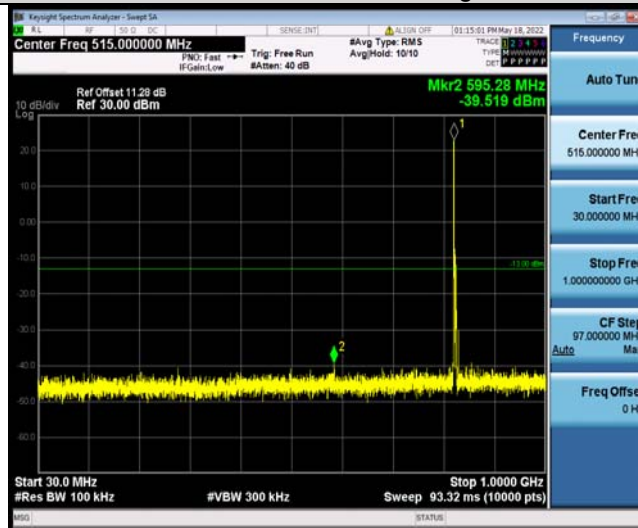


BUREAU VERITAS

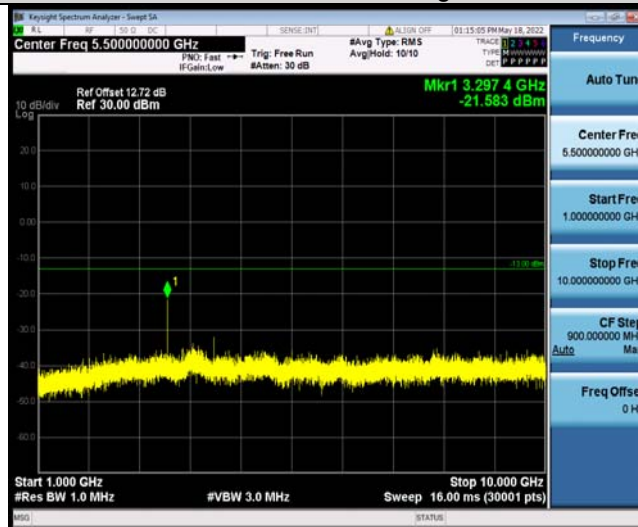
Test Report No.: W7L-P22090011RF04



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz

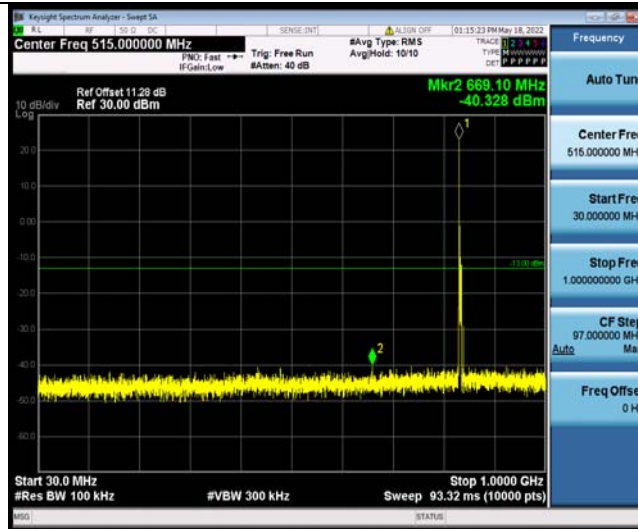


Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

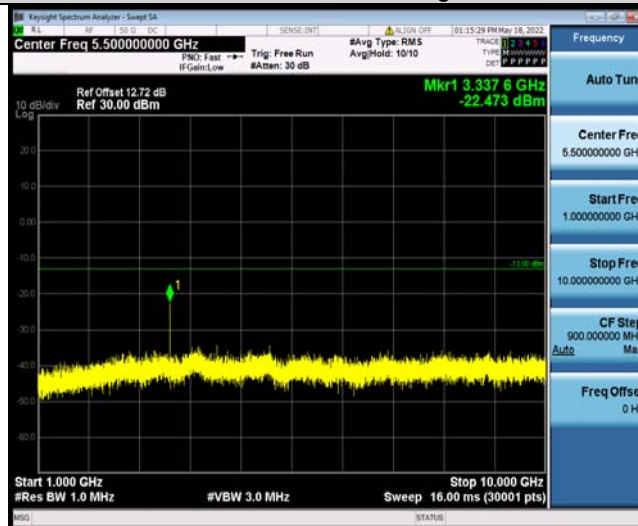


BUREAU VERITAS

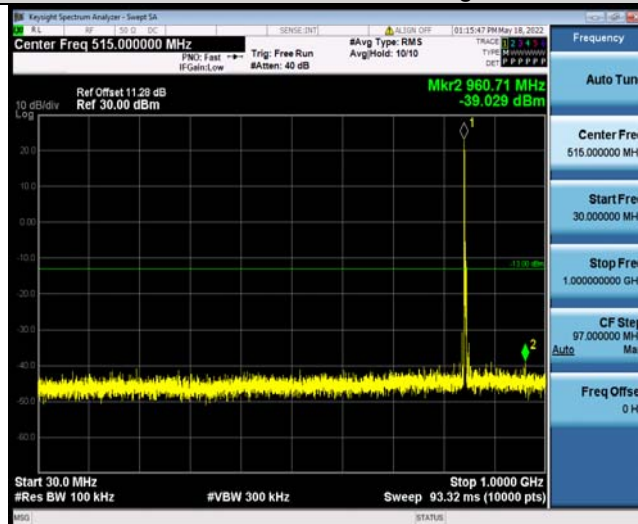
Test Report No.: W7L-P22090011RF04



Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz

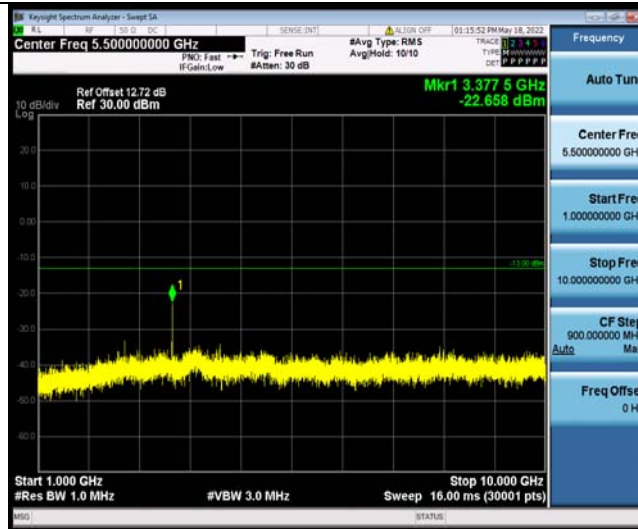


Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz

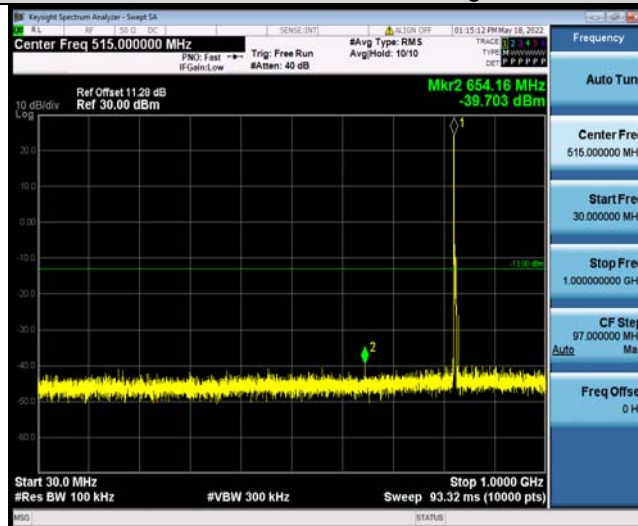


BUREAU VERITAS

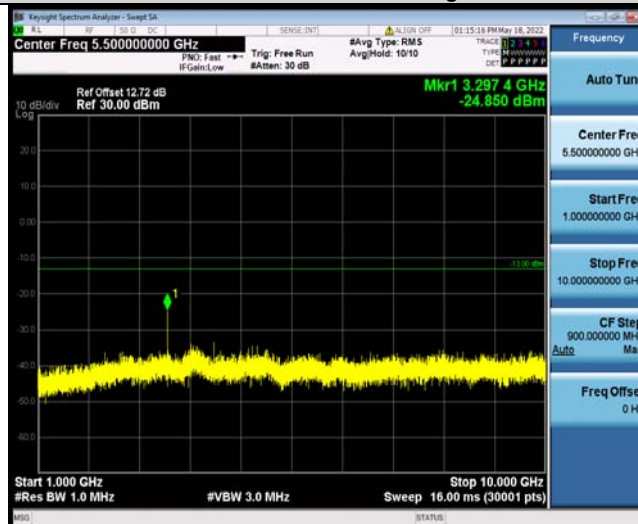
Test Report No.: W7L-P22090011RF04



Band5-5MHz-16QAM-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz

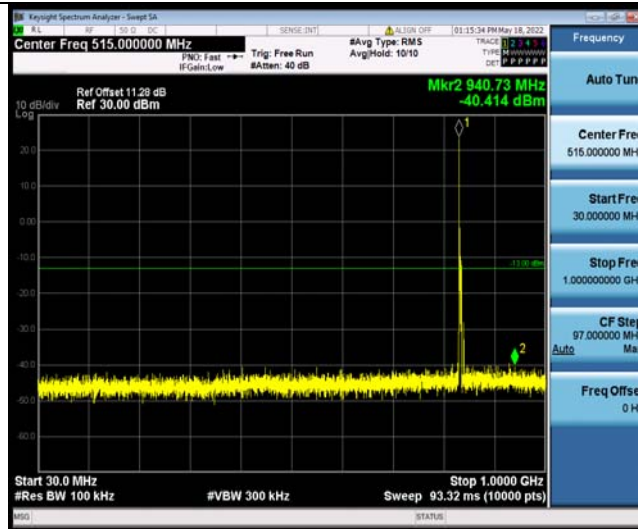


Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

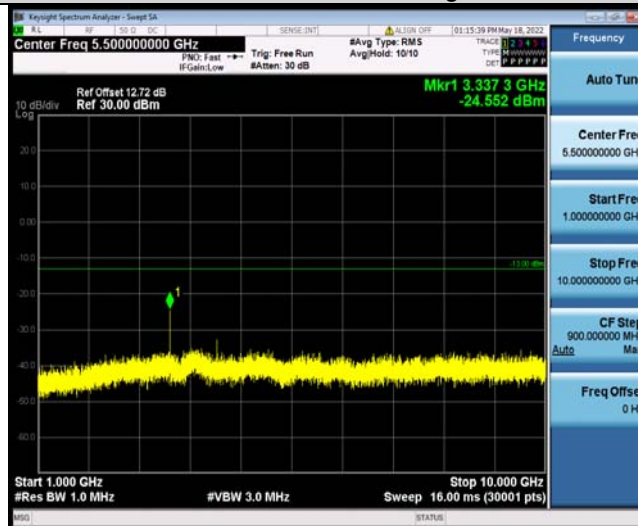


BUREAU VERITAS

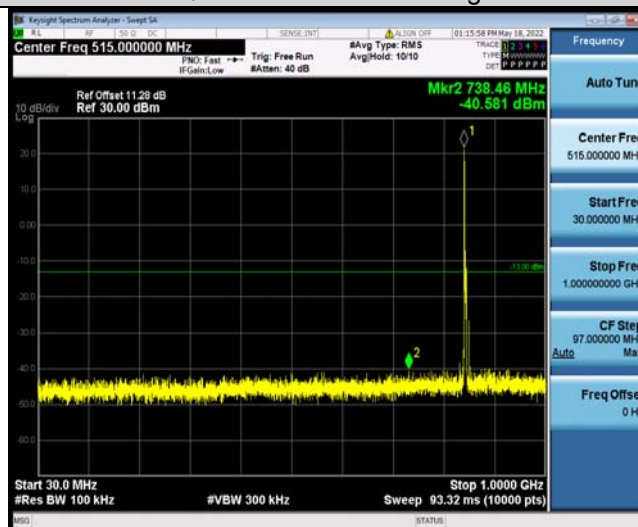
Test Report No.: W7L-P22090011RF04



Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz



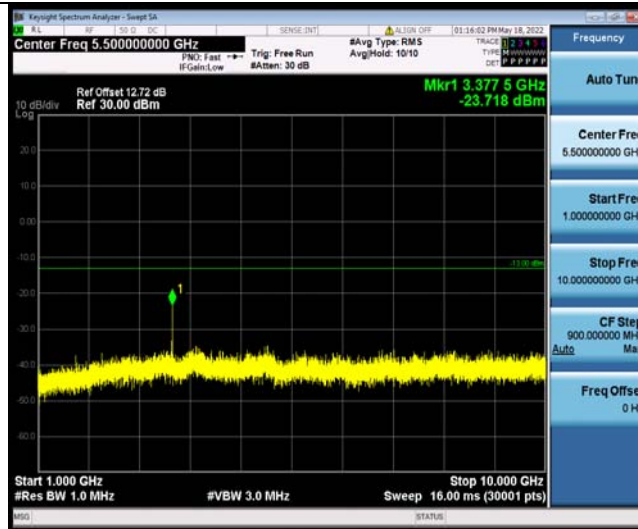
Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



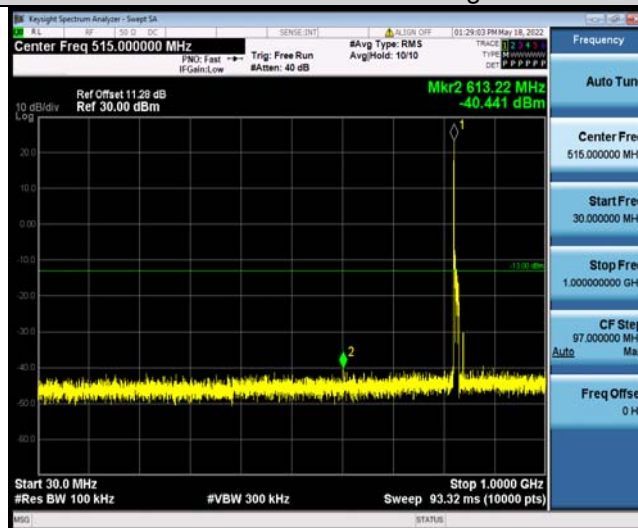


BUREAU VERITAS

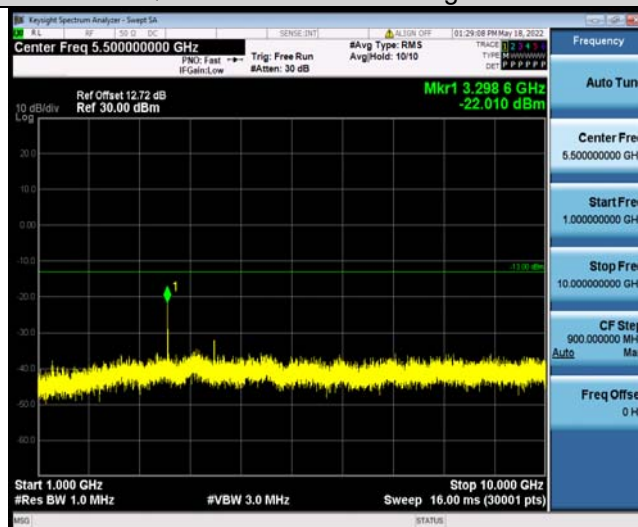
Test Report No.: W7L-P22090011RF04



Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz

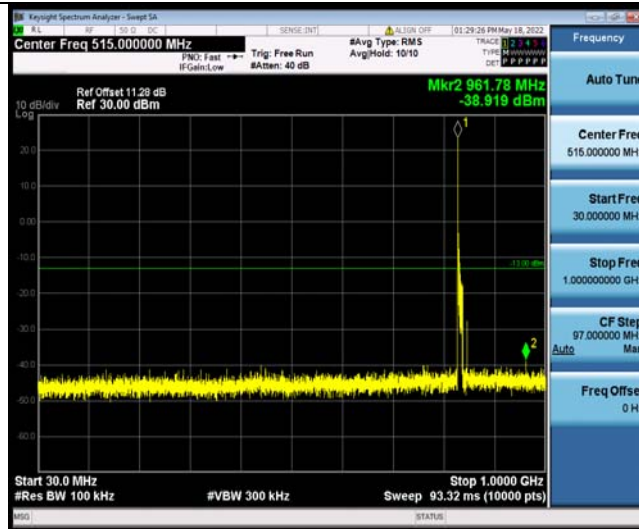


Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

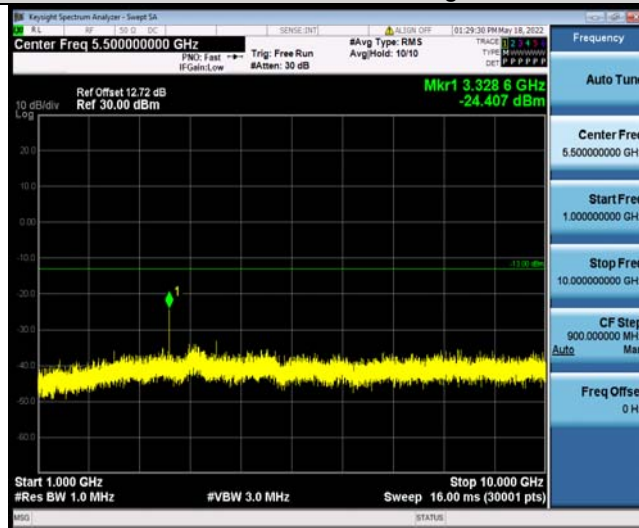


BUREAU VERITAS

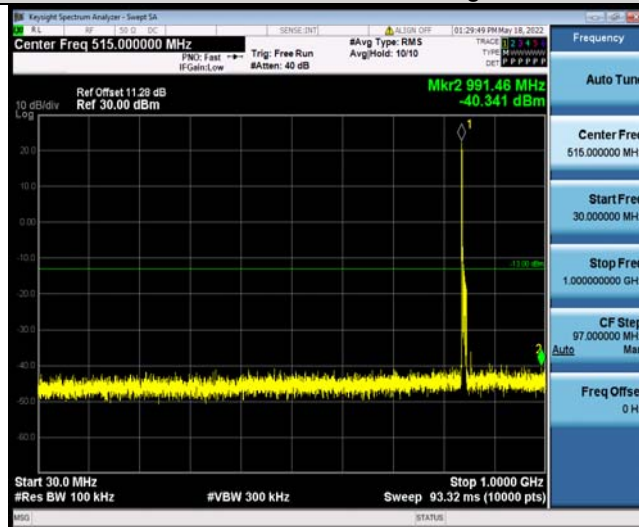
Test Report No.: W7L-P22090011RF04



Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz

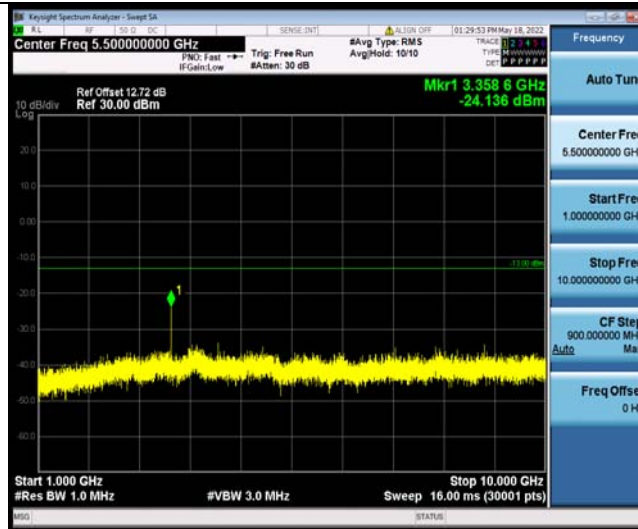


Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz

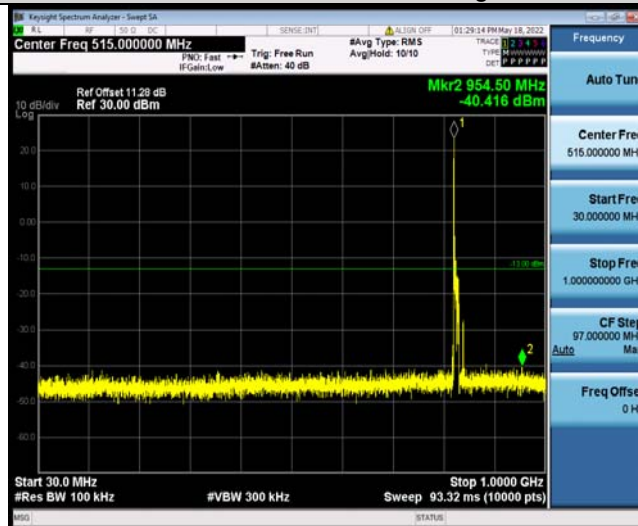


BUREAU VERITAS

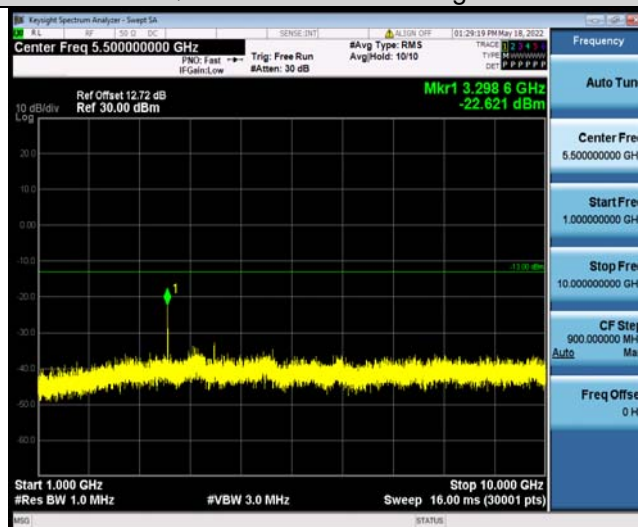
Test Report No.: W7L-P22090011RF04



Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz

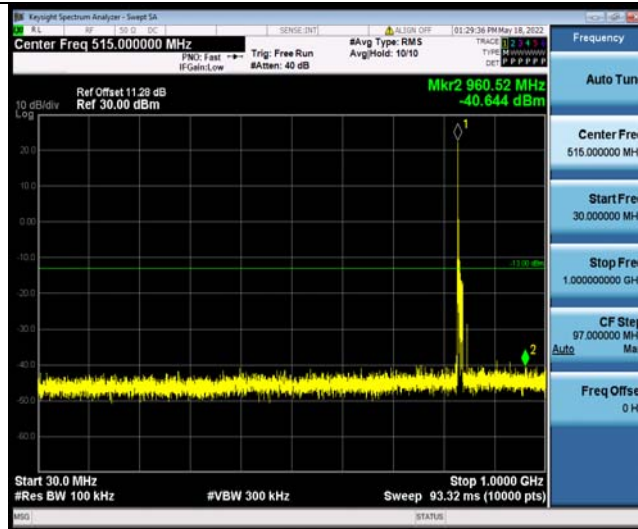


Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

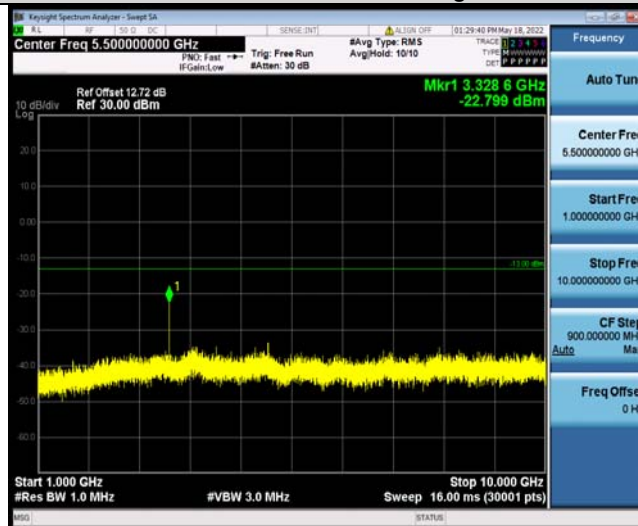


BUREAU VERITAS

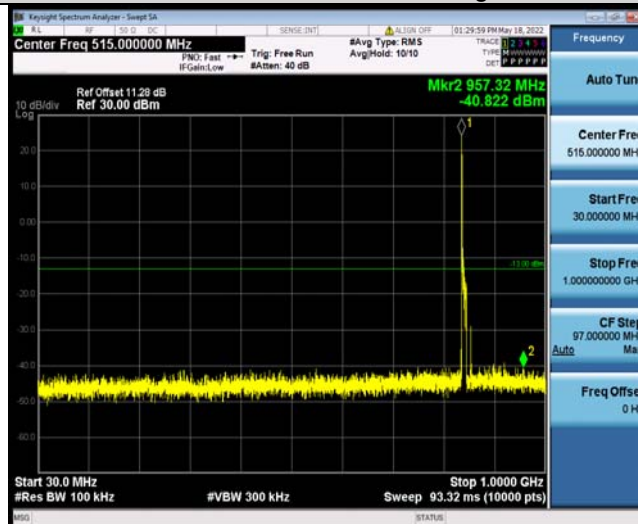
Test Report No.: W7L-P22090011RF04



Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz

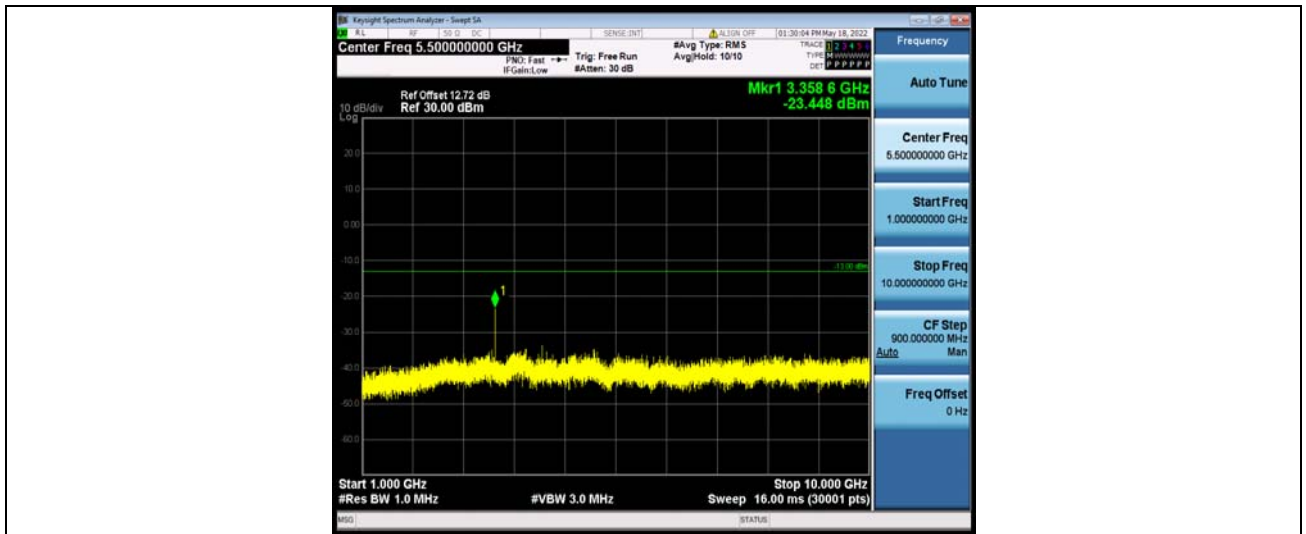


Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF04





FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	-3.20	-0.003880	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	4.29	0.005202	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	5.65	0.006851	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-6.09	-0.007280	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-7.10	-0.008488	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	4.33	0.005176	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-6.34	-0.007474	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-10.90	-0.012849	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-4.71	-0.005552	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	15.61	0.018928	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	14.98	0.018164	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	18.11	0.021960	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	12.45	0.014883	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	13.19	0.015768	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	17.92	0.021423	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	-6.71	-0.007910	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	-7.20	-0.008488	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	-4.52	-0.005328	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-9.97	-0.012078	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	-8.98	-0.010878	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	-10.07	-0.012199	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-6.32	-0.007555	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-8.88	-0.010616	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-7.62	-0.009109	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-5.32	-0.006277	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-5.85	-0.006903	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	3.92	0.004625	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	-10.87	-0.013168	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	-12.47	-0.015106	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	-9.88	-0.011969	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	-4.46	-0.005332	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	-3.86	-0.004614	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	-5.28	-0.006312	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	-4.99	-0.005888	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VN	NT	-7.45	-0.008791	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	-6.11	-0.007209	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	-5.28	-0.006388	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	1.42	0.001718	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	-5.19	-0.006279	±2.5	PASS



**BUREAU  
VERITAS**

**Test Report No.: W7L-P22090011RF04**

Band5	5MHz	QPSK	20525	25RB#0	VL	NT	3.35	0.004005	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	3.00	0.003586	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-5.31	-0.006348	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	12.72	0.015027	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	10.29	0.012156	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-13.86	-0.016373	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	-11.44	-0.013842	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	-11.59	-0.014023	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	-12.22	-0.014785	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-7.57	-0.009050	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-6.64	-0.007938	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	-4.88	-0.005834	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	9.40	0.011105	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	8.57	0.010124	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	10.11	0.011943	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-3.71	-0.004475	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-4.53	-0.005464	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	4.69	0.005657	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-5.49	-0.006563	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	3.43	0.004100	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-6.38	-0.007627	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	6.25	0.007405	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	4.22	0.005000	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-5.51	-0.006528	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-10.29	-0.012413	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-8.00	-0.009650	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-13.18	-0.015899	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-10.63	-0.012708	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-11.54	-0.013796	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-9.76	-0.011668	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	6.08	0.007204	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	6.77	0.008021	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	5.74	0.006801	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	9.36	0.011350	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	8.88	0.010768	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	8.25	0.010004	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	9.83	0.011919	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	13.93	0.016891	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	13.82	0.016758	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	14.88	0.018043	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	14.62	0.017728	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	3.43	0.004100	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	7.12	0.008512	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	8.34	0.009970	±2.5	PASS



BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF04

Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	8.05	0.009623	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	7.22	0.008631	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	8.17	0.009767	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	9.06	0.010831	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	10.37	0.012397	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-3.81	-0.004491	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-3.89	-0.004586	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-3.78	-0.004456	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-3.72	-0.004385	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	4.41	0.005199	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-4.38	-0.005163	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-2.93	-0.003454	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-5.38	-0.006342	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	17.61	0.021353	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	20.71	0.025112	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	22.26	0.026992	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	24.60	0.029829	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	25.86	0.031357	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	22.73	0.027562	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	24.88	0.030169	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	25.68	0.031139	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	15.69	0.018757	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	18.17	0.021721	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	17.40	0.020801	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	16.77	0.020048	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	18.10	0.021638	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	21.17	0.025308	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	24.10	0.028811	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	28.00	0.033473	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-7.80	-0.009195	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-7.27	-0.008570	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-7.11	-0.008381	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-5.72	-0.006743	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-7.01	-0.008264	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-7.64	-0.009006	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-7.60	-0.008959	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-8.37	-0.009867	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-13.05	-0.015809	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-12.02	-0.014561	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	-10.66	-0.012913	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-13.39	-0.016220	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	-13.83	-0.016753	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	-11.60	-0.014052	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	-10.89	-0.013192	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	-10.20	-0.012356	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-5.34	-0.006384	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-5.28	-0.006312	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	-6.11	-0.007304	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-5.22	-0.006240	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-4.49	-0.005368	±2.5	PASS





BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF04

Band5	3MHz	QPSK	20525	15RB#0	NV	30	4.75	0.005678	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	-6.31	-0.007543	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	-6.81	-0.008141	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-3.36	-0.003965	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-5.34	-0.006301	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-7.48	-0.008826	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-6.34	-0.007481	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-6.97	-0.008224	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	-5.81	-0.006855	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	-6.12	-0.007221	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	-6.68	-0.007882	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-12.99	-0.015736	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-11.10	-0.013446	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-9.41	-0.011399	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-9.27	-0.011230	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-10.20	-0.012356	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	-11.77	-0.014258	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	-8.38	-0.010151	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	-7.68	-0.009303	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-5.44	-0.006503	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-8.71	-0.010412	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-5.72	-0.006838	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-7.70	-0.009205	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-6.42	-0.007675	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	-5.61	-0.006707	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	-4.88	-0.005834	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	-4.03	-0.004818	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-3.63	-0.004283	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	4.95	0.005841	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	6.18	0.007292	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	8.04	0.009487	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	5.54	0.006537	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	7.77	0.009168	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	8.93	0.010537	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	9.33	0.011009	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-5.64	-0.006824	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-7.51	-0.009087	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-8.31	-0.010054	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-9.26	-0.011204	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-10.31	-0.012474	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	-10.00	-0.012099	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	-12.32	-0.014906	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	-11.72	-0.014180	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	7.00	0.008368	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-4.08	-0.004877	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	4.73	0.005655	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-5.65	-0.006754	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	6.02	0.007197	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	3.08	0.003682	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	-3.00	-0.003586	±2.5	PASS



BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF04

Band5	5MHz	QPSK	20525	25RB#0	NV	50	-7.31	-0.008739	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	7.58	0.008955	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	11.56	0.013656	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	8.08	0.009545	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	6.92	0.008175	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	8.94	0.010561	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	9.98	0.011790	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	9.73	0.011494	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	10.80	0.012758	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-13.32	-0.016116	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-13.83	-0.016733	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-11.53	-0.013950	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-13.33	-0.016128	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-12.66	-0.015318	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-13.23	-0.016007	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	-11.69	-0.014144	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-12.16	-0.014713	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-5.98	-0.007149	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-6.25	-0.007472	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-8.15	-0.009743	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	-8.83	-0.010556	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-9.87	-0.011799	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	-6.74	-0.008057	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	40	-7.93	-0.009480	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	-6.15	-0.007352	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	9.33	0.011022	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	9.53	0.011258	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	7.12	0.008411	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	9.60	0.011341	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	10.10	0.011931	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	10.77	0.012723	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	13.70	0.016184	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	12.96	0.015310	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-2.86	-0.003450	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-5.02	-0.006055	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-5.69	-0.006864	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-5.21	-0.006285	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-7.64	-0.009216	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-7.65	-0.009228	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-6.62	-0.007986	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-8.23	-0.009928	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-5.41	-0.006467	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-6.92	-0.008273	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-8.78	-0.010496	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-7.17	-0.008571	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-5.87	-0.007017	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-7.68	-0.009181	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-6.45	-0.007711	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-9.43	-0.011273	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-3.81	-0.004514	±2.5	PASS



**BUREAU  
VERITAS**

**Test Report No.: W7L-P22090011RF04**

Band5	10MHz	QPSK	20600	50RB#0	NV	-20	5.39	0.006386	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	4.85	0.005746	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	3.91	0.004633	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-3.23	-0.003827	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	3.38	0.004005	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	6.45	0.007642	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	3.69	0.004372	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-9.04	-0.010905	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-9.53	-0.011496	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-9.24	-0.011146	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-10.99	-0.013257	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-9.24	-0.011146	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-15.01	-0.018106	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-10.96	-0.013221	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	-8.65	-0.010434	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-10.80	-0.012911	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-10.54	-0.012600	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-8.57	-0.010245	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-7.62	-0.009109	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-7.71	-0.009217	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-6.47	-0.007735	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-7.84	-0.009372	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-5.62	-0.006718	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	7.02	0.008318	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	6.01	0.007121	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	4.45	0.005273	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	3.42	0.004052	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	4.56	0.005403	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	2.80	0.003318	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	3.66	0.004336	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	5.68	0.006730	±2.5	PASS