



Reference No.: W7L-240430W002RF02



APPENDIX B

WCDMA BAND5

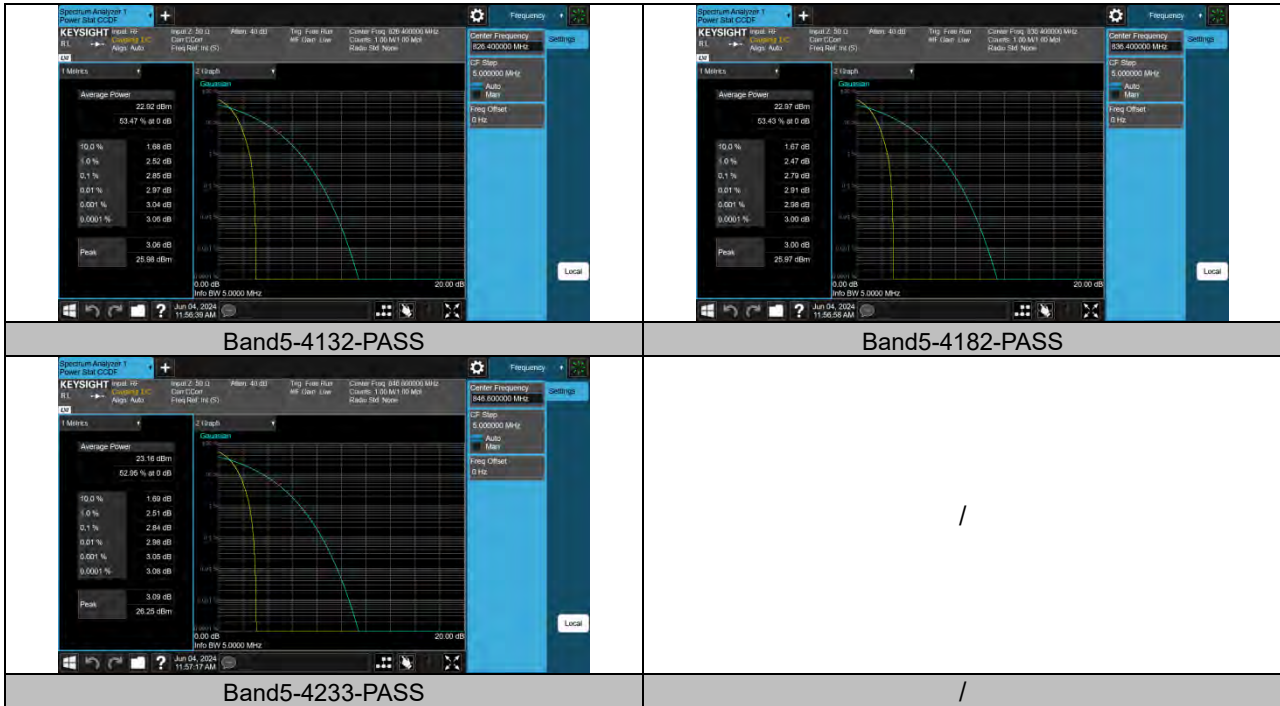
PEAK-TO-AVERAGE RATIO TEST RESULT

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	2.85	13	PASS
Band5	4182	2.79	13	PASS
Band5	4233	2.84	13	PASS



Reference No.: W7L-240430W002RF02

TEST GRAPHS





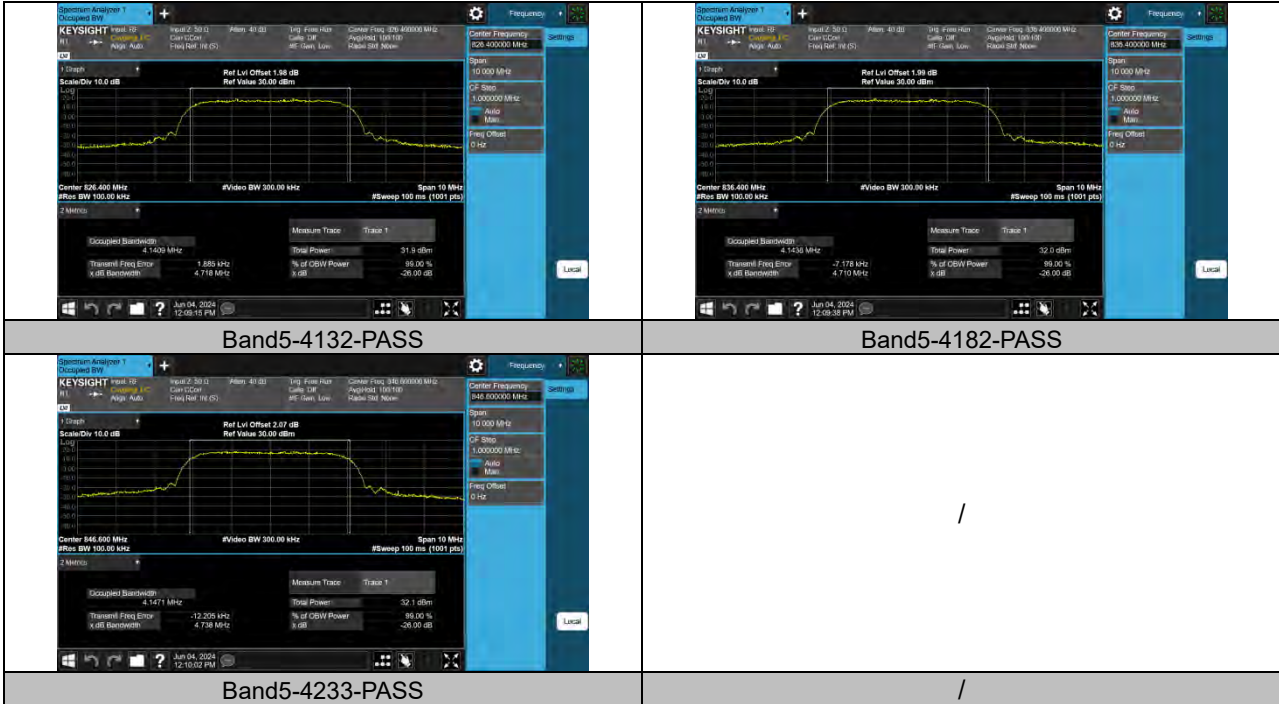
Reference No.: W7L-240430W002RF02

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1409	4.718	---	PASS
Band5	4182	4.1438	4.710	---	PASS
Band5	4233	4.1471	4.738	---	PASS



TEST GRAPHS





Reference No.: W7L-240430W002RF02

BAND EDGE TEST RESULT

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	824.00	-27.12	-13	PASS
Band5	4233	849.00	-26.34	-13	PASS



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TEST GRAPHS





Reference No.: W7L-240430W002RF02

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	30~1000MHz	994.08	-58.41	-13	PASS
Band5	4132	1000~10000MHz	3870.1	-41.87	-13	PASS
Band5	4182	30~1000MHz	958.78	-58.88	-13	PASS
Band5	4182	1000~10000MHz	3814.75	-41.5	-13	PASS
Band5	4233	30~1000MHz	744.31	-58.55	-13	PASS
Band5	4233	1000~10000MHz	3788.65	-41.75	-13	PASS



BUREAU VERITAS

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TEST GRAPHS





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FREQUENCY STABILITY TEST RESULT

Voltage									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band5	4132	VN	NT	2400.00	2.904163	824.33035	---	824-849	PASS
Band5	4132	VL	NT	2780.00	3.363988	824.33193	---	824-849	PASS
Band5	4132	VH	NT	4850.00	5.868829	824.336	---	824-849	PASS
Band5	4233	VN	NT	-16030.00	-18.934562	---	848.65342	824-849	PASS
Band5	4233	VL	NT	-13100.00	-15.473659	---	848.65805	824-849	PASS
Band5	4233	VH	NT	-13550.00	-16.005197	---	848.65595	824-849	PASS

Temperature									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band5	4132	NV	-30	6300.00	7.623427	824.33365	---	824-849	PASS
Band5	4132	NV	-20	4870.00	5.893030	824.33457	---	824-849	PASS
Band5	4132	NV	-10	5580.00	6.752178	824.33243	---	824-849	PASS
Band5	4132	NV	0	3950.00	4.779768	824.3335	---	824-849	PASS
Band5	4132	NV	10	8340.00	10.091965	824.33554	---	824-849	PASS
Band5	4132	NV	20	8730.00	10.563892	824.33563	---	824-849	PASS
Band5	4132	NV	30	1770.00	2.141820	824.33212	---	824-849	PASS
Band5	4132	NV	40	-710.00	-0.859148	824.33179	---	824-849	PASS
Band5	4132	NV	50	-490.00	-0.592933	824.33481	---	824-849	PASS
Band5	4233	NV	-30	-12820.00	-15.142925	---	848.65718	824-849	PASS
Band5	4233	NV	-20	-16600.00	-19.607843	---	848.6509	824-849	PASS
Band5	4233	NV	-10	-14040.00	-16.583983	---	848.65421	824-849	PASS
Band5	4233	NV	0	-14320.00	-16.914718	---	848.65338	824-849	PASS



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Band5	4233	NV	10	-15470. 00	-18.273 092	---	848.65 203	824-84 9	PASS
Band5	4233	NV	20	-12290. 00	-14.516 891	---	848.65 521	824-84 9	PASS
Band5	4233	NV	30	-11600. 00	-13.701 866	---	848.65 76	824-84 9	PASS
Band5	4233	NV	40	-15760. 00	-18.615 639	---	848.64 944	824-84 9	PASS
Band5	4233	NV	50	-13030. 00	-15.390 976	---	848.66 032	824-84 9	PASS



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LTE BAND5

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

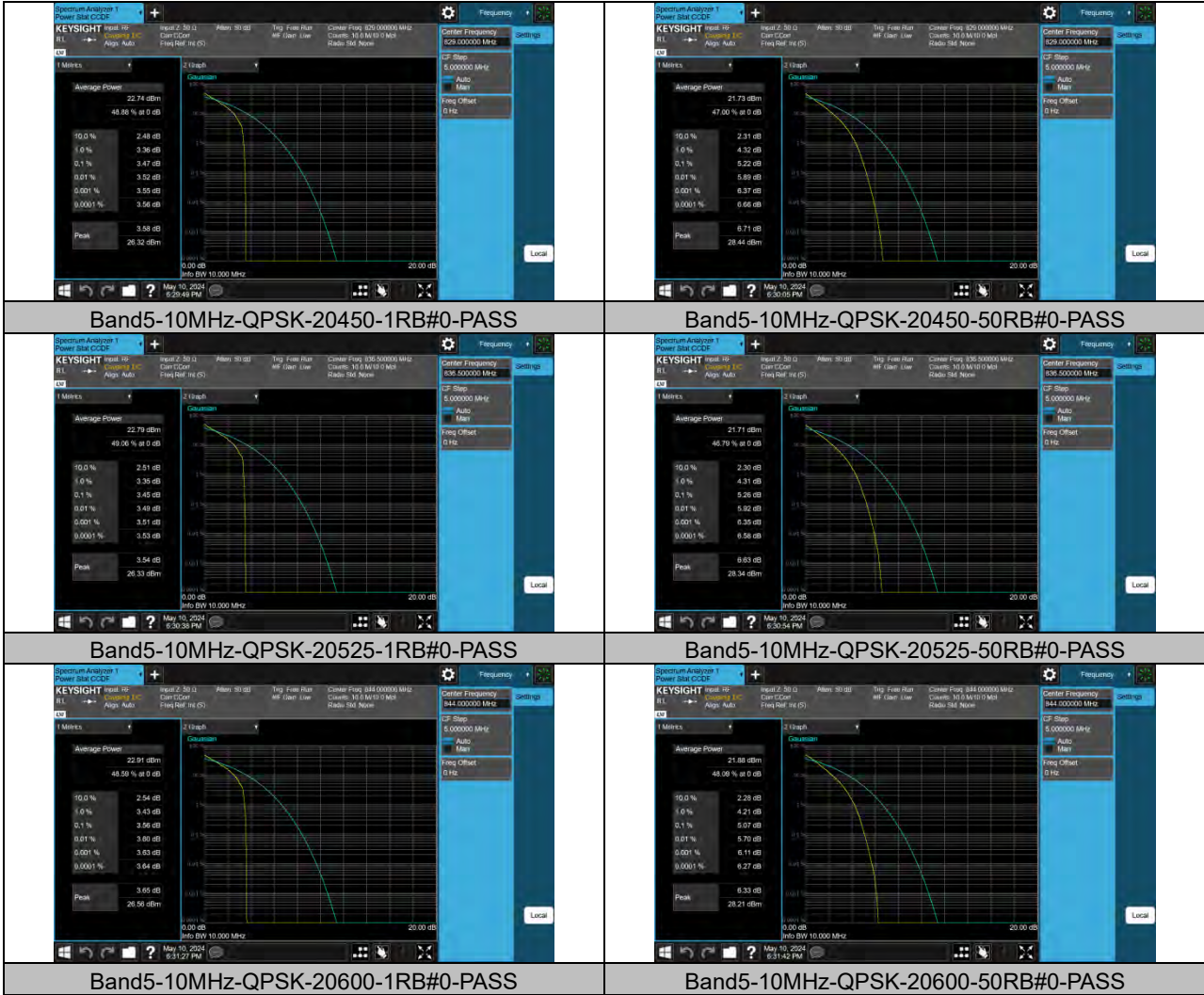
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	3.47	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.45	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.56	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.07	13	PASS



**BUREAU
VERITAS**

Reference No.: W7L-240430W002RF02

TEST GRAPHS





Reference No.: W7L-240430W002RF02

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

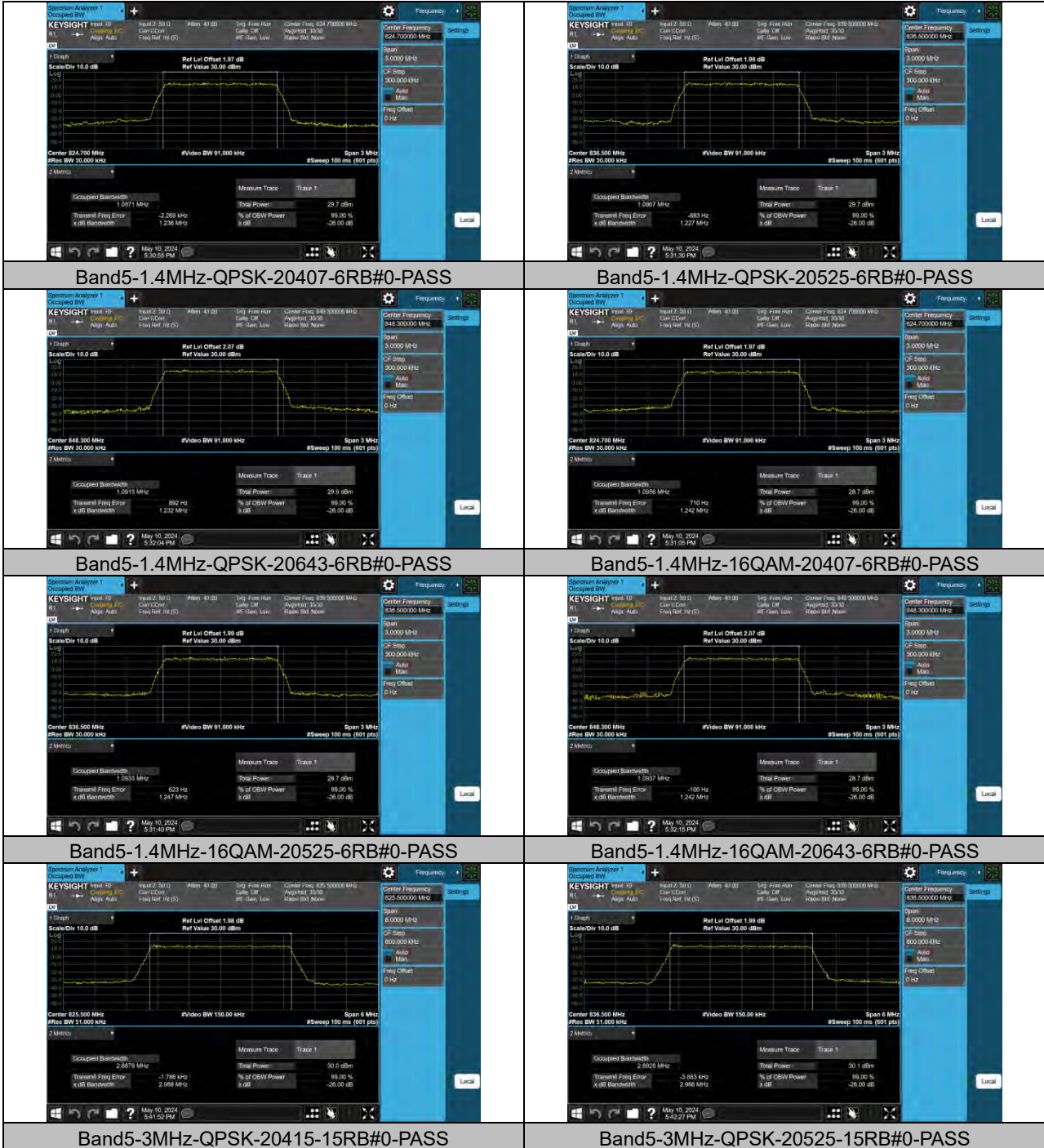
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0871	1.236	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0867	1.227	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0913	1.232	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0956	1.242	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0933	1.247	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0937	1.242	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6879	2.988	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6928	2.986	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6906	2.982	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6976	3.004	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7006	2.992	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6943	3.004	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5152	5.002	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5124	4.997	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4958	4.969	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5072	4.999	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5030	5.002	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4966	4.953	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9647	9.829	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9738	9.806	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9703	9.758	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9708	9.813	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9866	9.774	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9617	9.777	PASS



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TEST GRAPHS





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



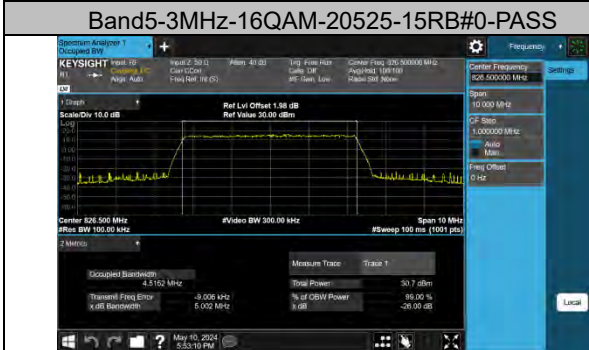
Band5-3MHz-16QAM-20415-15RB#0-PASS



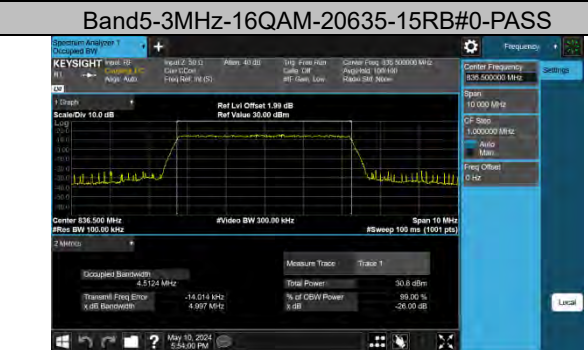
Band5-3MHz-16QAM-20525-15RB#0-PASS



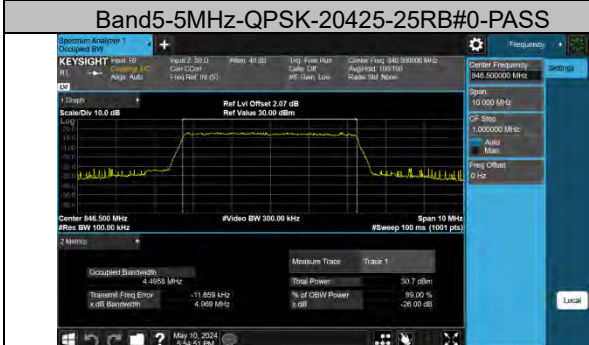
Band5-3MHz-16QAM-20635-15RB#0-PASS



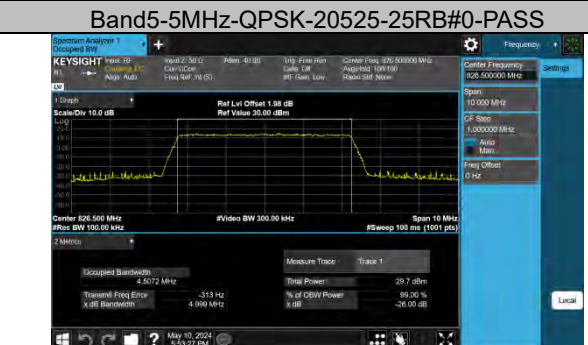
Band5-5MHz-QPSK-20425-25RB#0-PASS



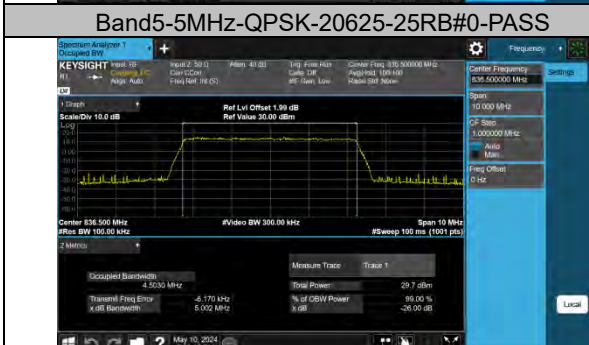
Band5-5MHz-QPSK-20525-25RB#0-PASS



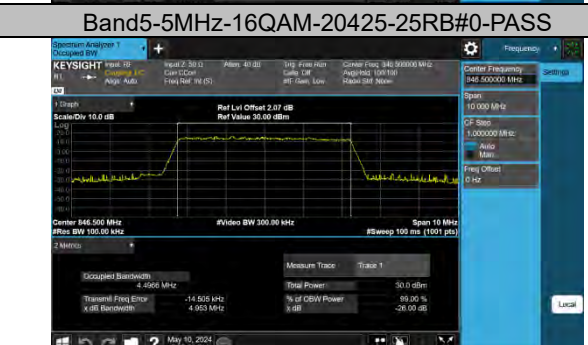
Band5-5MHz-QPSK-20625-25RB#0-PASS



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



Band5-5MHz-16QAM-20525-25RB#0-PASS



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

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Reference No.: W7L-240430W002RF02



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



Band-10MHz-QPSK-20525-50RB#0-PASS



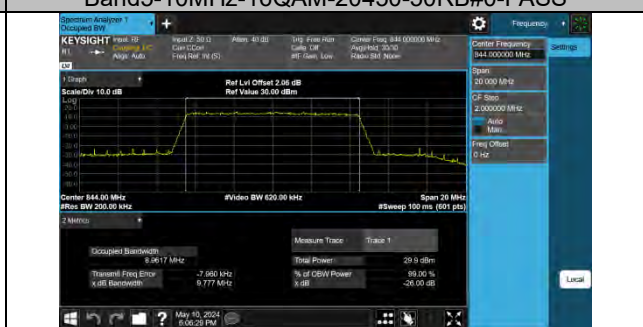
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



Band5-10MHz-16QAM-20525-50RB#0-PASS



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



Reference No.: W7L-240430W002RF02

BAND EDGE TEST RESULT

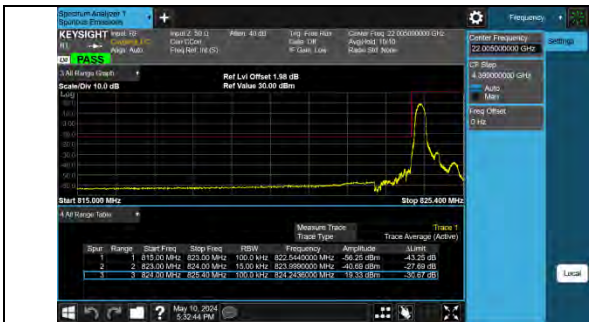
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-40.69	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-39.95	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-40.00	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-41.01	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-40.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-41.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-38.36	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-43.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	-26.48	PASS
Band5	3MHz	QPSK	20415	15RB#0	-32.15	PASS
Band5	3MHz	QPSK	20635	1RB#14	-24.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	-31.80	PASS
Band5	3MHz	16QAM	20415	1RB#0	-26.16	PASS
Band5	3MHz	16QAM	20415	15RB#0	-34.82	PASS
Band5	3MHz	16QAM	20635	1RB#14	-27.33	PASS
Band5	3MHz	16QAM	20635	15RB#0	-32.16	PASS
Band5	5MHz	QPSK	20425	1RB#0	-31.61	PASS
Band5	5MHz	QPSK	20425	25RB#0	-36.82	PASS
Band5	5MHz	QPSK	20625	1RB#24	-31.05	PASS
Band5	5MHz	QPSK	20625	25RB#0	-36.53	PASS
Band5	5MHz	16QAM	20425	1RB#0	-33.07	PASS
Band5	5MHz	16QAM	20425	25RB#0	-39.18	PASS
Band5	5MHz	16QAM	20625	1RB#24	-32.10	PASS
Band5	5MHz	16QAM	20625	25RB#0	-36.64	PASS
Band5	10MHz	QPSK	20450	1RB#0	-39.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	-41.40	PASS
Band5	10MHz	QPSK	20600	1RB#49	-38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	-39.71	PASS
Band5	10MHz	16QAM	20450	1RB#0	-42.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	-43.19	PASS
Band5	10MHz	16QAM	20600	1RB#49	-40.84	PASS
Band5	10MHz	16QAM	20600	50RB#0	-41.41	PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF02

TEST GRAPHS



Band5 1.4MHz QPSK 20407 1RB#0



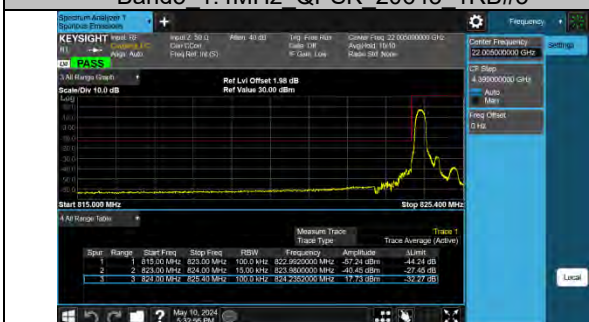
Band5 1.4MHz QPSK 20407 6RB#0



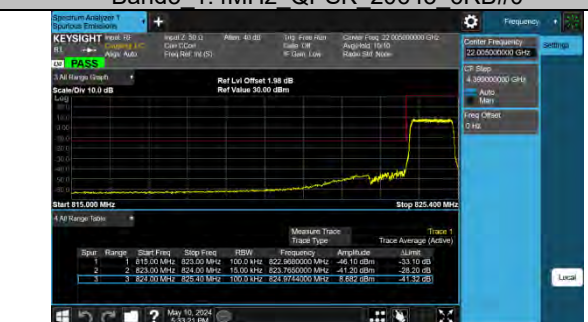
Band5 1.4MHz QPSK 20643 1RB#5



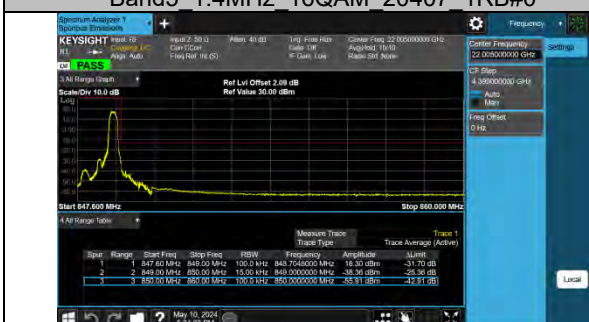
Band5 1.4MHz QPSK 20643 6RB#0



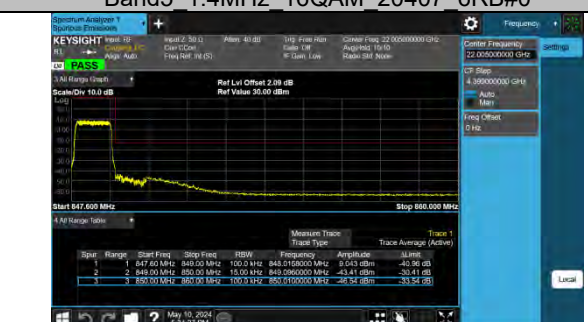
Band5 1.4MHz 16QAM 20407 1RB#0



Band5 1.4MHz 16QAM 20407 6RB#0



Band5 1.4MHz 16QAM 20643 1RB#5

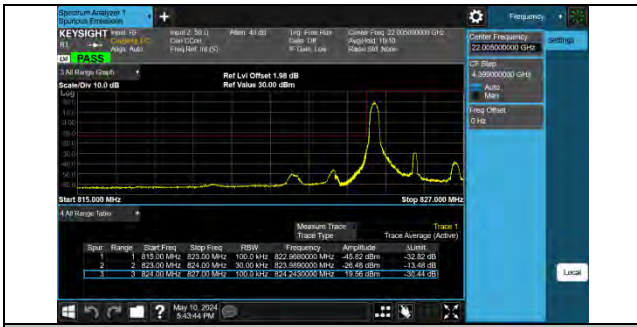


Band5 1.4MHz 16QAM 20643 6RB#0

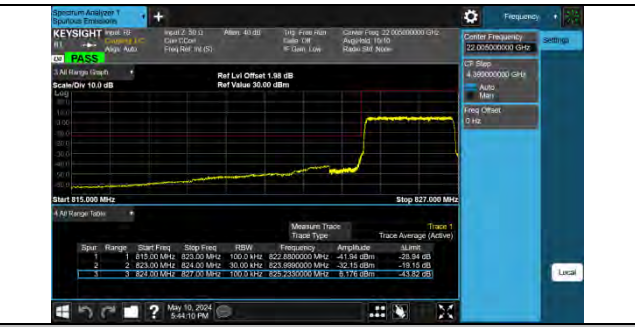


Reference No.: W7L-240430W002RF02

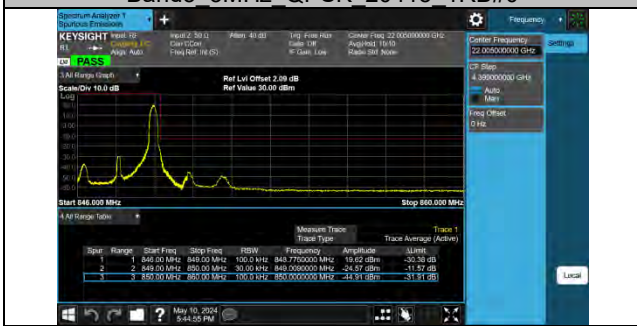
BUREAU VERITAS



Band5 3MHz QPSK 20415 1RB#0



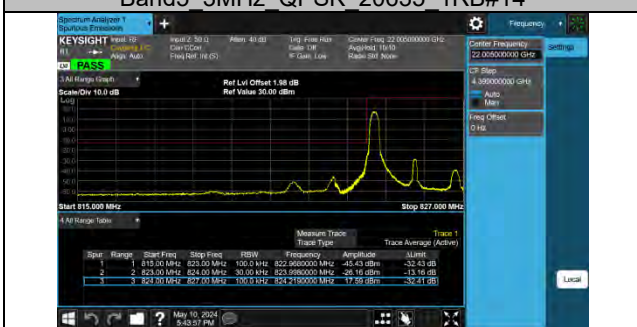
Band5 3MHz QPSK 20415 15RB#0



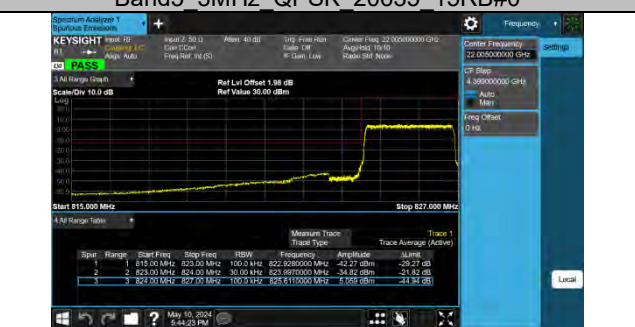
Band5 3MHz QPSK 20635 1RB#14



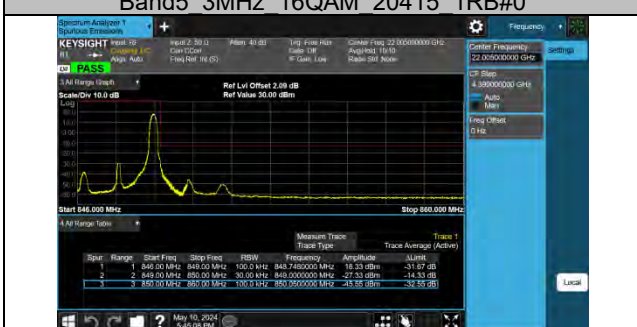
Band5 3MHz QPSK 20635 15RB#0



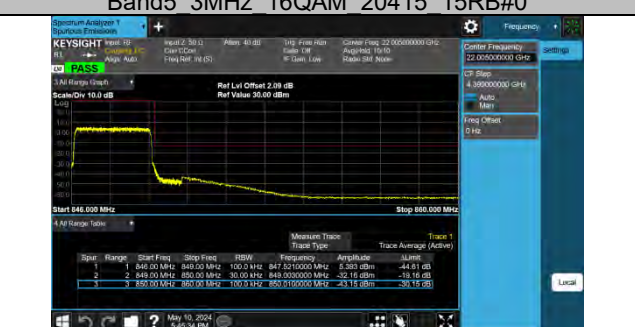
Band5 3MHz 16QAM 20415 1RB#0



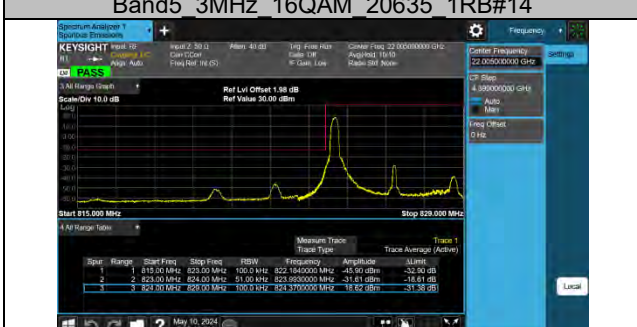
Band5 3MHz 16QAM 20415 15RB#0



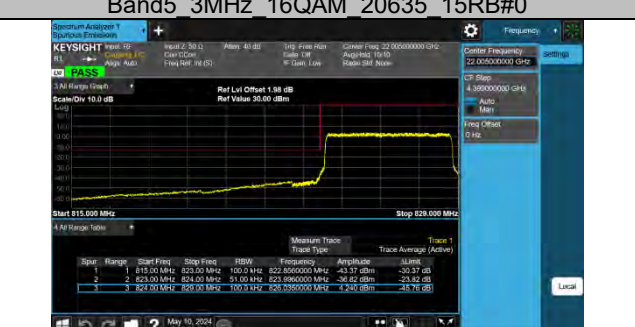
Band5 3MHz 16QAM 20635 1RB#14



Band5 3MHz 16QAM 20635 15RB#0



Band5 5MHz QPSK 20425 1RB#0



Band5 5MHz QPSK 20425 25RB#0



Reference No.: W7L-240430W002RF02

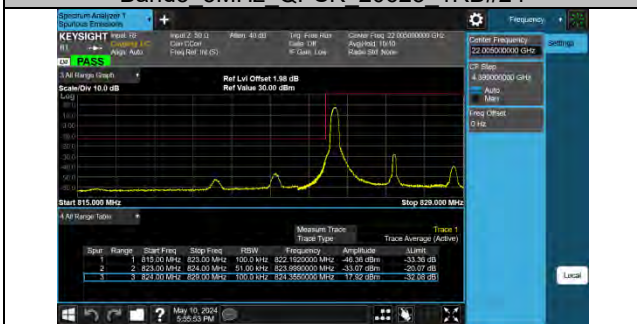
BUREAU VERITAS



Band5 5MHz QPSK 20625 1RB#24



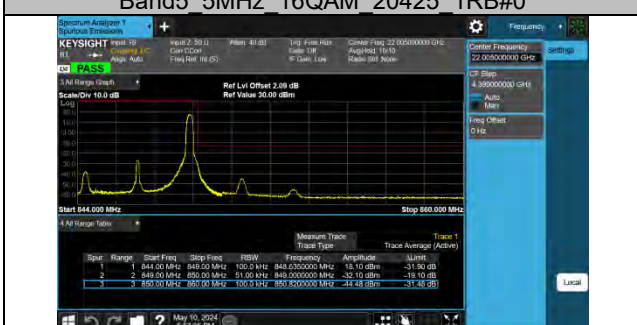
Band5 5MHz QPSK 20625 25RB#0



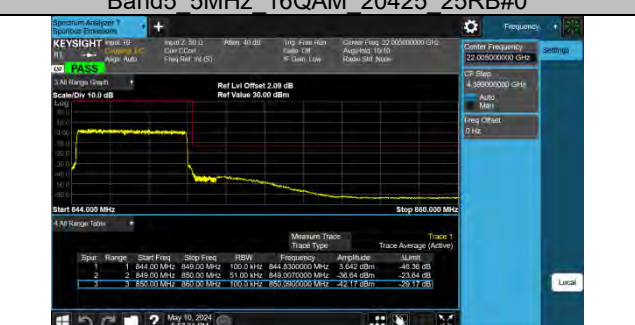
Band5 5MHz 16QAM 20425 1RB#0



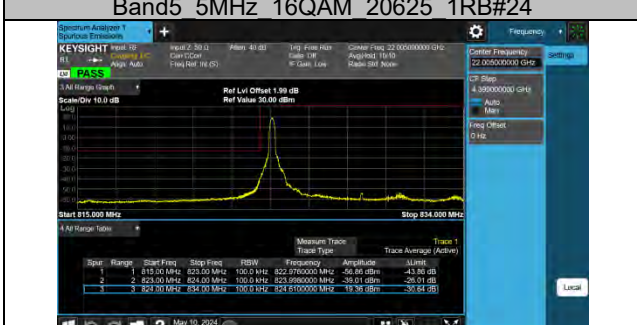
Band5 5MHz 16QAM 20425 25RB#0



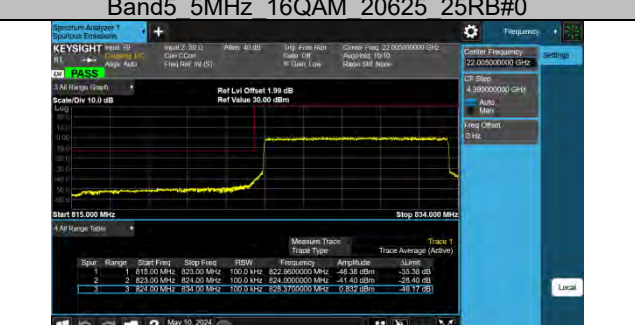
Band5 5MHz 16QAM 20625 1RB#24



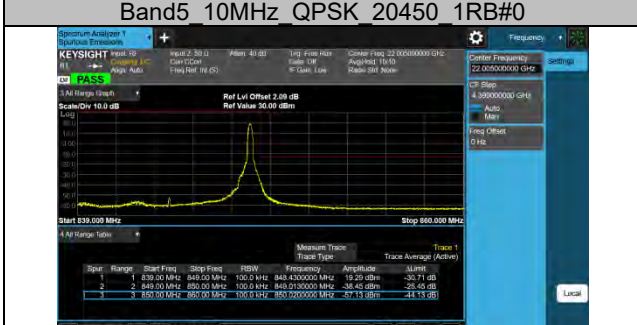
Band5 5MHz 16QAM 20625 25RB#0



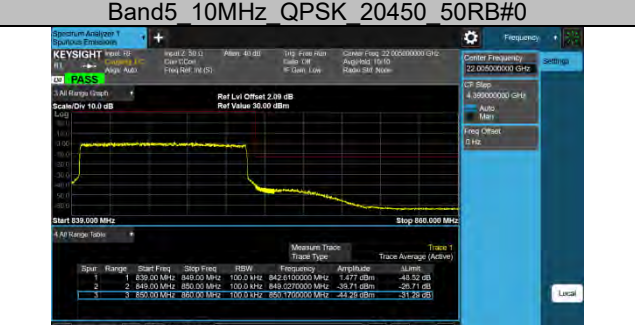
Band5 5MHz 16QAM 20625 1RB#24



Band5 5MHz 16QAM 20625 25RB#0



Band5 10MHz QPSK 20600 1RB#49

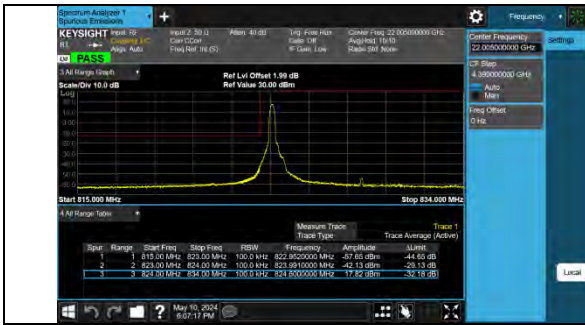


Band5 10MHz QPSK 20600 50RB#0



BUREAU VERITAS

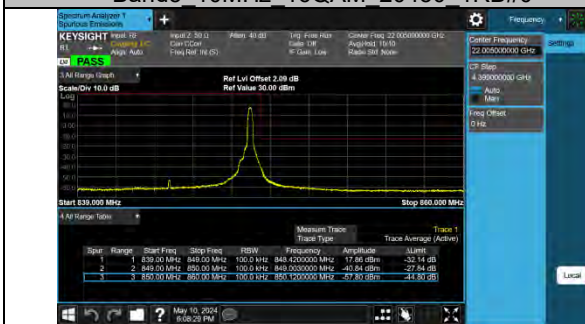
Reference No.: W7L-240430W002RF02



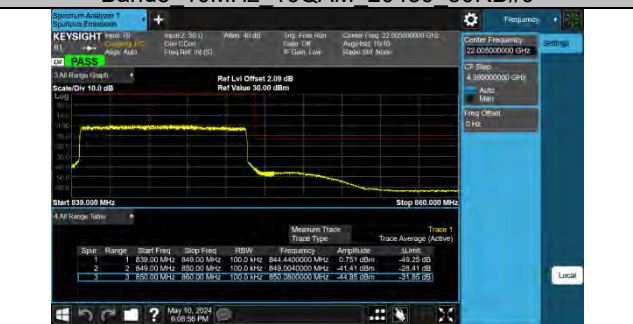
Band5 10MHz 16QAM 20450 1RB#0



Band5 10MHz 16QAM 20450 50RB#0



Band5 10MHz 16QAM 20600 1RB#49



Band5 10MHz 16QAM 20600 50RB#0



Reference No.: W7L-240430W002RF02

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-57.15	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~10000	-37.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	30~1000	-56.81	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	1000~10000	-37.00	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-54.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~10000	-41.63	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-57.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~10000	-36.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	30~1000	-57.10	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	1000~10000	-37.22	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-55.41	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~10000	-41.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-56.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~10000	-36.73	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	30~1000	-56.73	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	1000~10000	-37.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-48.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~10000	-41.80	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-58.59	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~10000	-38.23	PASS
Band5	3MHz	QPSK	20415	1RB#14	30~1000	-58.38	PASS
Band5	3MHz	QPSK	20415	1RB#14	1000~10000	-37.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-52.60	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~10000	-45.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-58.51	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~10000	-37.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	30~1000	-58.52	PASS
Band5	3MHz	QPSK	20525	1RB#14	1000~10000	-36.80	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-53.08	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~10000	-44.90	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-58.47	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~10000	-37.24	PASS
Band5	3MHz	QPSK	20635	1RB#14	30~1000	-58.43	PASS
Band5	3MHz	QPSK	20635	1RB#14	1000~10000	-36.27	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-49.41	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~10000	-44.64	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-58.54	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~10000	-37.71	PASS
Band5	5MHz	QPSK	20425	1RB#24	30~1000	-58.67	PASS
Band5	5MHz	QPSK	20425	1RB#24	1000~10000	-38.16	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-52.91	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~10000	-46.61	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-58.57	PASS



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Reference No.: W7L-240430W002RF02

Band5	5MHz	QPSK	20525	1RB#0	1000~10000	-37.11	PASS
Band5	5MHz	QPSK	20525	1RB#24	30~1000	-58.64	PASS
Band5	5MHz	QPSK	20525	1RB#24	1000~10000	-36.65	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-54.75	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~10000	-46.44	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-58.63	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~10000	-37.56	PASS
Band5	5MHz	QPSK	20625	1RB#24	30~1000	-58.70	PASS
Band5	5MHz	QPSK	20625	1RB#24	1000~10000	-36.52	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-52.82	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~10000	-46.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-58.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~10000	-37.56	PASS
Band5	10MHz	QPSK	20450	1RB#49	30~1000	-58.77	PASS
Band5	10MHz	QPSK	20450	1RB#49	1000~10000	-37.74	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-57.94	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~10000	-48.40	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-58.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~10000	-38.08	PASS
Band5	10MHz	QPSK	20525	1RB#49	30~1000	-58.54	PASS
Band5	10MHz	QPSK	20525	1RB#49	1000~10000	-36.54	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-55.54	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~10000	-48.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-58.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~10000	-36.88	PASS
Band5	10MHz	QPSK	20600	1RB#49	30~1000	-58.57	PASS
Band5	10MHz	QPSK	20600	1RB#49	1000~10000	-37.39	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-54.73	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~10000	-48.27	PASS



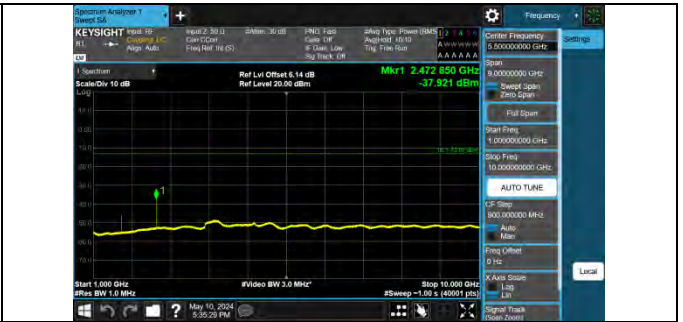
BUREAU VERITAS

Reference No.: W7L-240430W002RF02

TEST GRAPHS



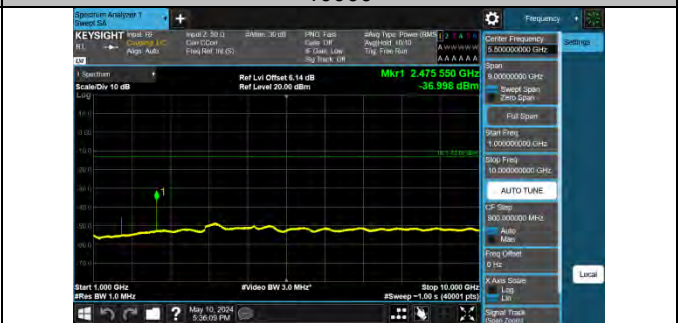
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30



Band5_1.4MHz_QPSK_20407_1RB#0_1000~10000_1000~10000



Band5_1.4MHz_QPSK_20407_1RB#5_30~1000_30



Band5_1.4MHz_QPSK_20407_1RB#5_1000~10000_1000~10000



Band5_1.4MHz_QPSK_20407_6RB#0_30~1000_30



Band5_1.4MHz_QPSK_20407_6RB#0_1000~10000_1000~10000



Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30



Band5_1.4MHz_QPSK_20525_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02



Band5_1.4MHz_QPSK_20525_1RB#5_30~1000_30
~1000



Band5_1.4MHz_QPSK_20525_1RB#5_1000~10000_1000~1000



Band5_1.4MHz_QPSK_20525_6RB#0_30~1000_30
~1000



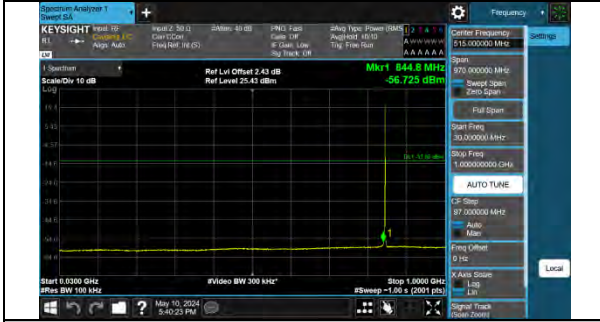
Band5_1.4MHz_QPSK_20525_6RB#0_1000~10000_1000~1000



Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30
~1000



Band5_1.4MHz_QPSK_20643_1RB#0_1000~10000_1000~1000



Band5_1.4MHz_QPSK_20643_1RB#5_30~1000_30
~1000

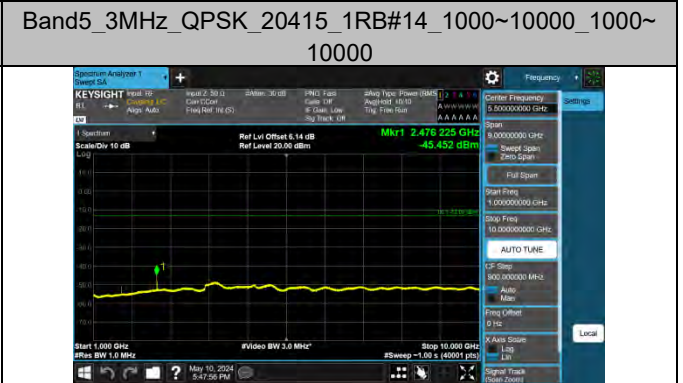
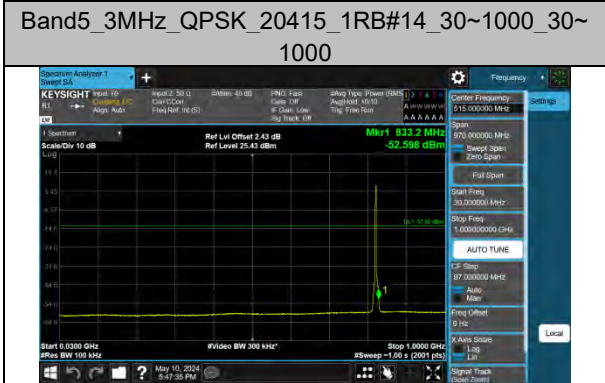
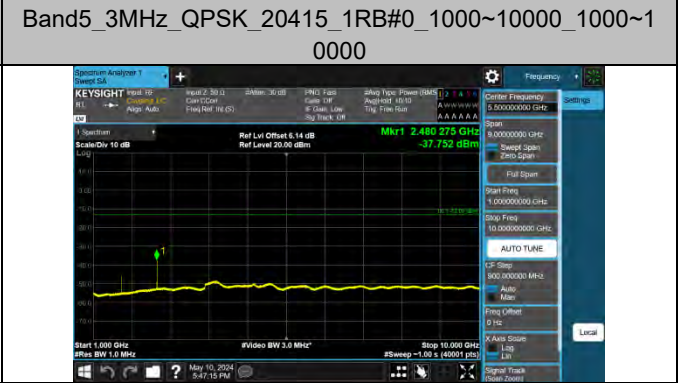
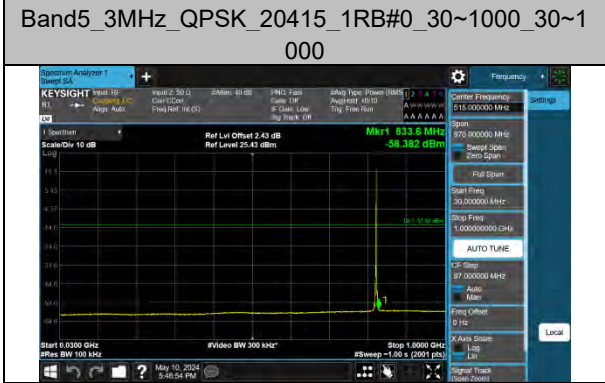
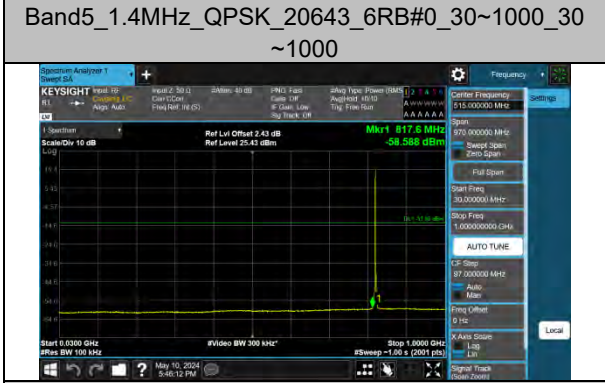


Band5_1.4MHz_QPSK_20643_1RB#5_1000~10000_1000~1000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02



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BUREAU VERITAS

Reference No.: W7L-240430W002RF02



Band5_3MHz_QPSK_20525_1RB#0_30~1000_30~1000



Band5_3MHz_QPSK_20525_1RB#0_1000~10000_1000~10000



Band5_3MHz_QPSK_20525_1RB#14_30~1000_30~1000



Band5_3MHz_QPSK_20525_1RB#14_1000~10000_1000~10000



Band5_3MHz_QPSK_20525_15RB#0_30~1000_30~1000



Band5_3MHz_QPSK_20525_15RB#0_1000~10000_1000~10000



Band5_3MHz_QPSK_20635_1RB#0_30~1000_30~1000



Band5_3MHz_QPSK_20635_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02



Band5_3MHz_QPSK_20635_1RB#14_30~1000_30~1000



Band5_3MHz_QPSK_20635_1RB#14_1000~10000_1000~10000



Band5_3MHz_QPSK_20635_15RB#0_30~1000_30~1000



Band5_3MHz_QPSK_20635_15RB#0_1000~10000_1000~10000



Band5_5MHz_QPSK_20425_1RB#0_30~1000_30~1000



Band5_5MHz_QPSK_20425_1RB#0_1000~10000_1000~10000



Band5_5MHz_QPSK_20425_1RB#24_30~1000_30~1000

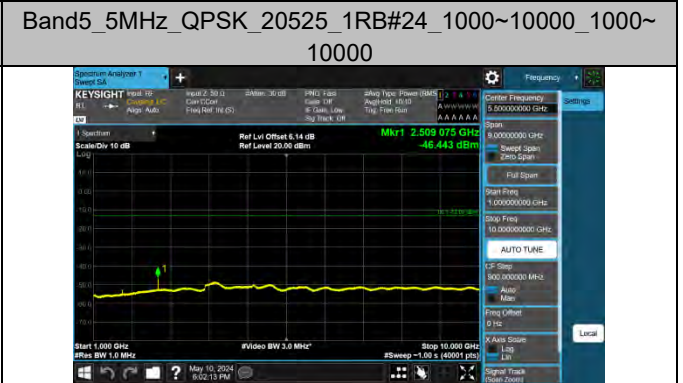
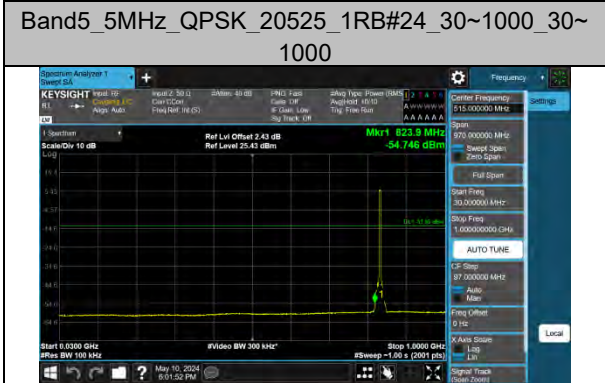
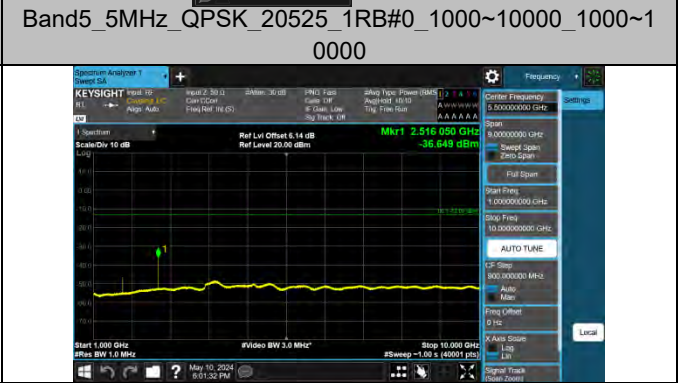
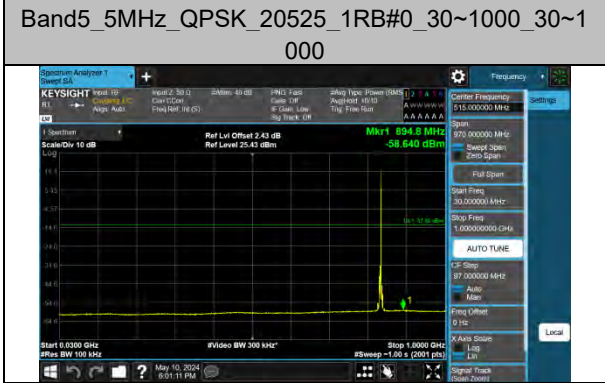
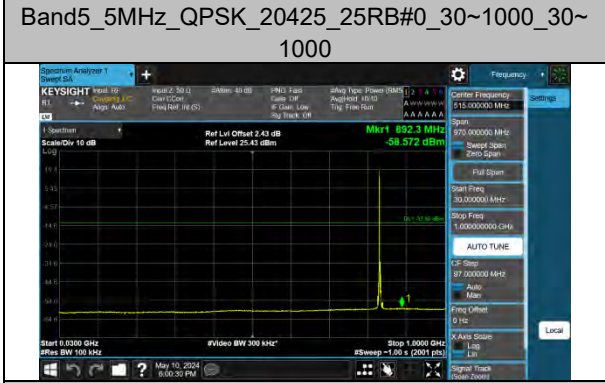


Band5_5MHz_QPSK_20425_1RB#24_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02





BUREAU VERITAS

Reference No.: W7L-240430W002RF02



Band5_5MHz_QPSK_20625_1RB#0_30~1000_30~1000



Band5_5MHz_QPSK_20625_1RB#0_1000~10000_1000~10000



Band5_5MHz_QPSK_20625_1RB#24_30~1000_30~1000



Band5_5MHz_QPSK_20625_1RB#24_1000~10000_1000~10000



Band5_5MHz_QPSK_20625_25RB#0_30~1000_30~1000



Band5_5MHz_QPSK_20625_25RB#0_1000~10000_1000~10000



Band5_10MHz_QPSK_20450_1RB#0_30~1000_30~1000



Band5_10MHz_QPSK_20450_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02



Band5_10MHz_QPSK_20450_1RB#49_30~1000_30
~1000



Band5_10MHz_QPSK_20450_1RB#49_1000~10000_1000
~10000



Band5_10MHz_QPSK_20450_50RB#0_30~1000_30
~1000



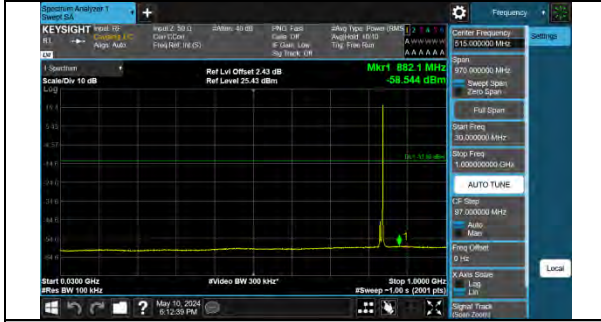
Band5_10MHz_QPSK_20450_50RB#0_1000~10000_1000
~10000



Band5_10MHz_QPSK_20525_1RB#0_30~1000_30
~1000



Band5_10MHz_QPSK_20525_1RB#0_1000~10000_1000
~10000



Band5_10MHz_QPSK_20525_1RB#49_30~1000_30
~1000

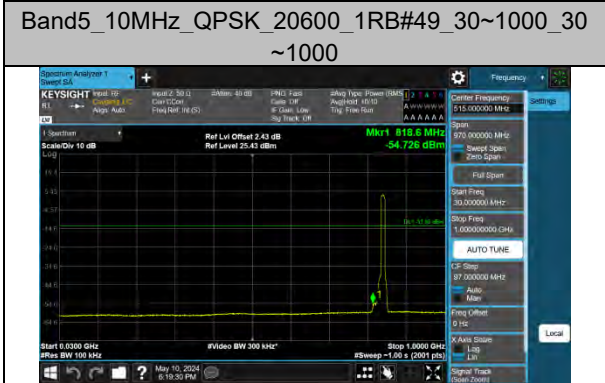
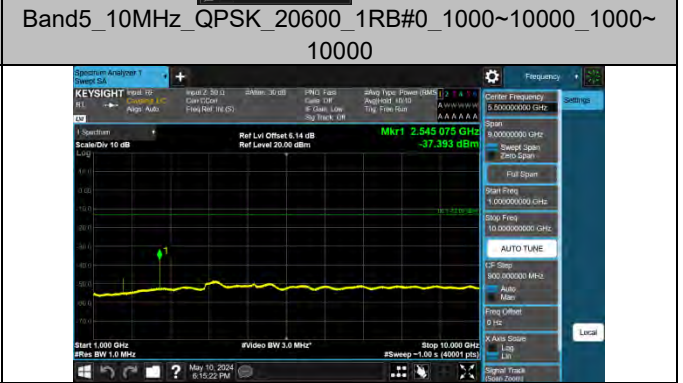
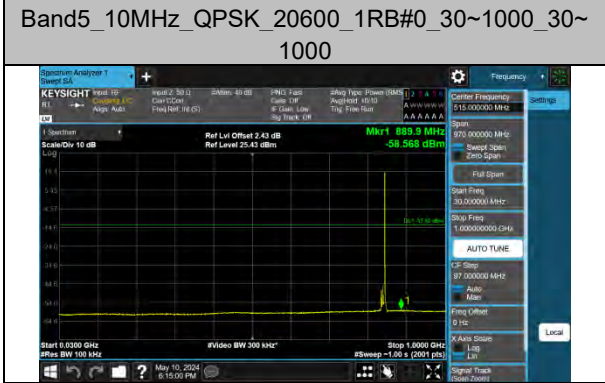
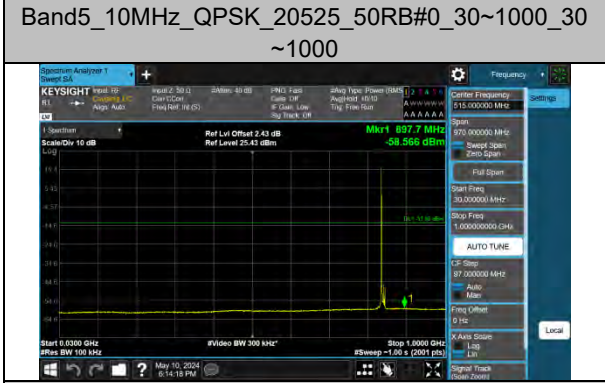
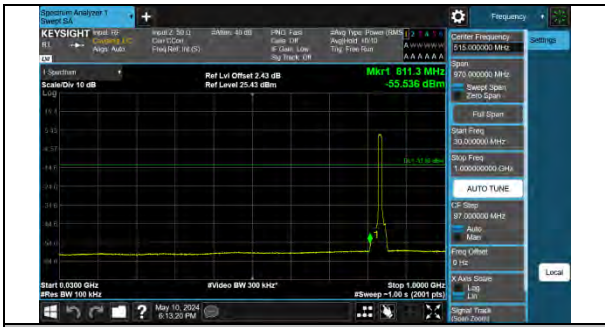


Band5_10MHz_QPSK_20525_1RB#49_1000~10000_1000
~10000



BUREAU VERITAS

Reference No.: W7L-240430W002RF02





Reference No.: W7L-240430W002RF02

FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band5	10MHz	QPSK	20450	50RB #0	VN	NT	993.32	1.20	824.52739	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	VL	NT	957.78	1.16	824.53647	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	VH	NT	912.59	1.10	824.53771	---	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VN	NT	992.33	1.18	---	848.45263	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VL	NT	871.36	1.03	---	848.44837	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VH	NT	723.39	0.86	---	848.45186	824-849	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band5	10MHz	QPSK	20450	50RB #0	NV	-30	926.98	1.12	824.53968	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	-20	820.65	0.99	824.53398	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	-10	688.94	0.83	824.53806	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	0	531.36	0.64	824.53332	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	10	449.60	0.54	824.53435	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	20	385.45	0.46	824.53734	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	30	325.94	0.39	824.53406	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	40	217.76	0.26	824.53549	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	50	173.17	0.21	824.54425	---	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-30	995.73	1.18	---	848.45088	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-20	939.53	1.11	---	848.45214	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-10	840.50	1.00	---	848.45284	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	0	698.30	0.83	---	848.44567	824-849	PASS



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Reference No.: W7L-240430W002RF02

Band5	10MH z	QPSK	20600	50RB #0	NV	10	460.1 0	0.55	---	848.4 4987	824-8 49	PASS
Band5	10MH z	QPSK	20600	50RB #0	NV	20	393.5 4	0.47	---	848.4 5475	824-8 49	PASS
Band5	10MH z	QPSK	20600	50RB #0	NV	30	108.5 0	0.13	---	848.4 536	824-8 49	PASS
Band5	10MH z	QPSK	20600	50RB #0	NV	40	30.18	0.04	---	848.4 4969	824-8 49	PASS
Band5	10MH z	QPSK	20600	50RB #0	NV	50	-145.0 3	-0.17	---	848.4 4813	824-8 49	PASS

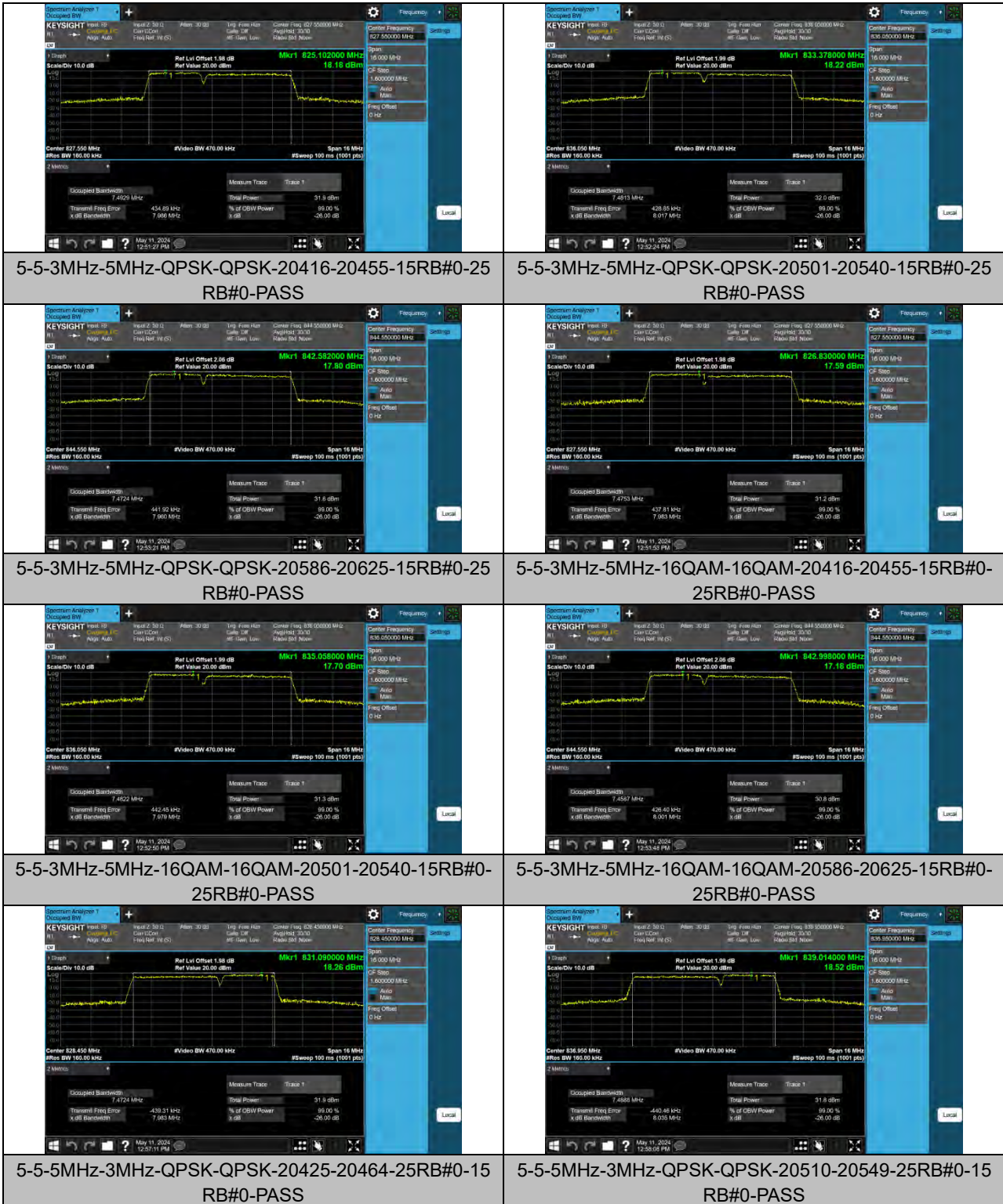


LTE BAND5B

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	7.4929	7.986	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	7.4813	8.017	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	7.4724	7.960	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	7.4753	7.983	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	7.4822	7.979	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	7.4587	8.001	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	7.4724	7.983	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	7.4888	8.035	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	7.4681	8.020	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	7.4707	8.008	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	7.4765	7.976	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	7.4650	7.952	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	13.880	14.78	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	13.895	14.76	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	13.908	14.82	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	13.874	14.72	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	13.888	14.78	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	13.879	14.75	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	13.880	14.79	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	13.938	14.79	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	13.905	14.73	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	13.879	14.76	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	13.922	14.75	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	13.884	14.85	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	18.805	19.99	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	18.785	19.95	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	18.726	20.03	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	18.773	19.95	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	18.760	20.05	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	18.795	20.02	PASS

TEST GRAPHS





BUREAU VERITAS

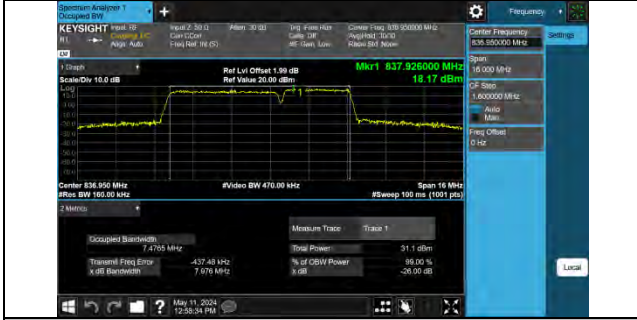
Reference No.: W7L-240430W002RF02



5-5-5MHz-3MHz-QPSK-QPSK-20595-20634-25RB#0-15 RB#0-PASS



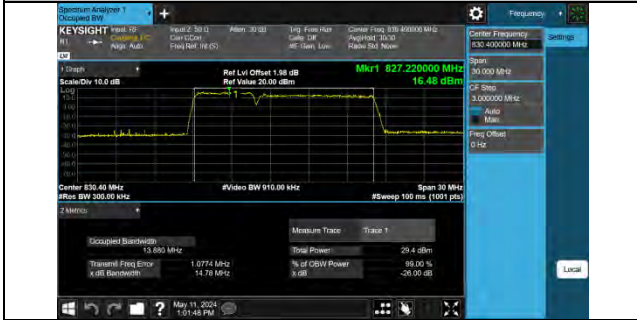
5-5-5MHz-3MHz-16QAM-16QAM-20425-20464-25RB#0-15RB#0-PASS



5-5-5MHz-3MHz-16QAM-16QAM-20510-20549-25RB#0-15RB#0-PASS



5-5-5MHz-3MHz-16QAM-16QAM-20595-20634-25RB#0-15RB#0-PASS



5-5-5MHz-10MHz-QPSK-QPSK-20428-20500-25RB#0-5 ORB#0-PASS



5-5-5MHz-10MHz-QPSK-QPSK-20478-20550-25RB#0-5 ORB#0-PASS



5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-25RB#0-5 ORB#0-PASS

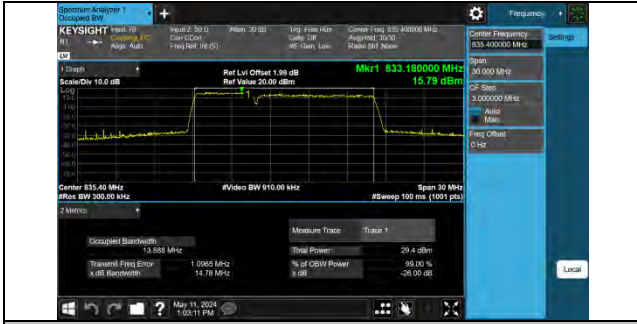


5-5-5MHz-10MHz-16QAM-16QAM-20428-20500-25RB#0-50RB#0-PASS

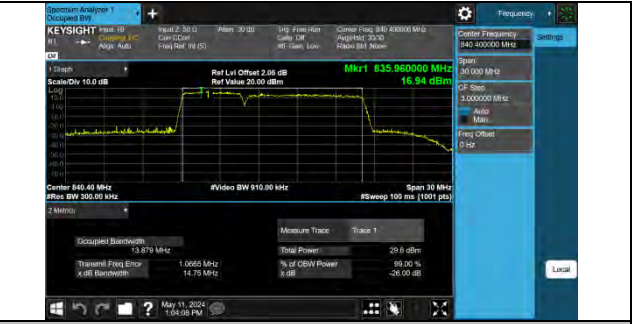


BUREAU VERITAS

Reference No.: W7L-240430W002RF02



5-5-5MHz-10MHz-16QAM-16QAM-20478-20550-25RB#0-50RB#0-PASS



5-5-5MHz-10MHz-16QAM-16QAM-20528-20600-25RB#0-50RB#0-PASS



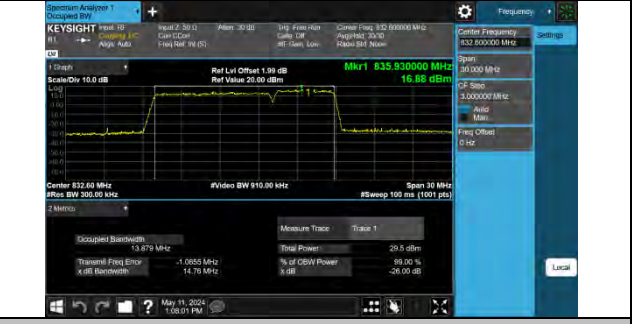
5-5-10MHz-5MHz-QPSK-QPSK-20450-20522-50RB#0-2-5RB#0-PASS



5-5-10MHz-5MHz-QPSK-QPSK-20500-20572-50RB#0-2-5RB#0-PASS



5-5-10MHz-5MHz-QPSK-QPSK-20550-20622-50RB#0-2-5RB#0-PASS



5-5-10MHz-5MHz-16QAM-16QAM-20450-20522-50RB#0-0-25RB#0-PASS



5-5-10MHz-5MHz-16QAM-16QAM-20500-20572-50RB#0-0-25RB#0-PASS



5-5-10MHz-5MHz-16QAM-16QAM-20550-20622-50RB#0-0-25RB#0-PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF02



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-50RB#0-50RB#0-PASS



Reference No.: W7L-240430W002RF02

BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20450-20 549	1RB#0@50RB#0-1RB#49@50RB#0	-35.06	PASS
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20450-20 549	1RB#49@50RB#0-1RB#0@50RB#0	-49.69	PASS
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20450-20 549	50RB#0@50RB#0-50RB#0@50RB#0	-29.11	PASS
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20501-20 600	1RB#0@50RB#0-1RB#49@50RB#0	-27.90	PASS
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20501-20 600	1RB#49@50RB#0-1RB#0@50RB#0	-47.45	PASS
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	20501-20 600	50RB#0@50RB#0-50RB#0@50RB#0	-25.83	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20450-20 549	1RB#0@50RB#0-1RB#49@50RB#0	-27.31	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20450-20 549	1RB#49@50RB#0-1RB#0@50RB#0	-49.77	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20450-20 549	50RB#0@50RB#0-50RB#0@50RB#0	-30.36	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20501-20 600	1RB#0@50RB#0-1RB#49@50RB#0	-27.66	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20501-20 600	1RB#49@50RB#0-1RB#0@50RB#0	-48.69	PASS
5-5	10MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	20501-20 600	50RB#0@50RB#0-50RB#0@50RB#0	-34.47	PASS



TEST GRAPHS





BUREAU VERITAS

Reference No.: W7L-240430W002RF02



10MHz-10MHz_16QAM@16QAM-16QAM@16QAM_204 50-20549 50RB#0@50RB#0-50RB#0@50RB#0



10MHz-10MHz_16QAM@16QAM-16QAM@16QAM_205 01-20600 1RB#0@50RB#0-1RB#49@50RB#0



10MHz-10MHz_16QAM@16QAM-16QAM@16QAM_205 01-20600 1RB#49@50RB#0-1RB#0@50RB#0



10MHz-10MHz_16QAM@16QAM-16QAM@16QAM_205 01-20600 50RB#0@50RB#0-50RB#0@50RB#0



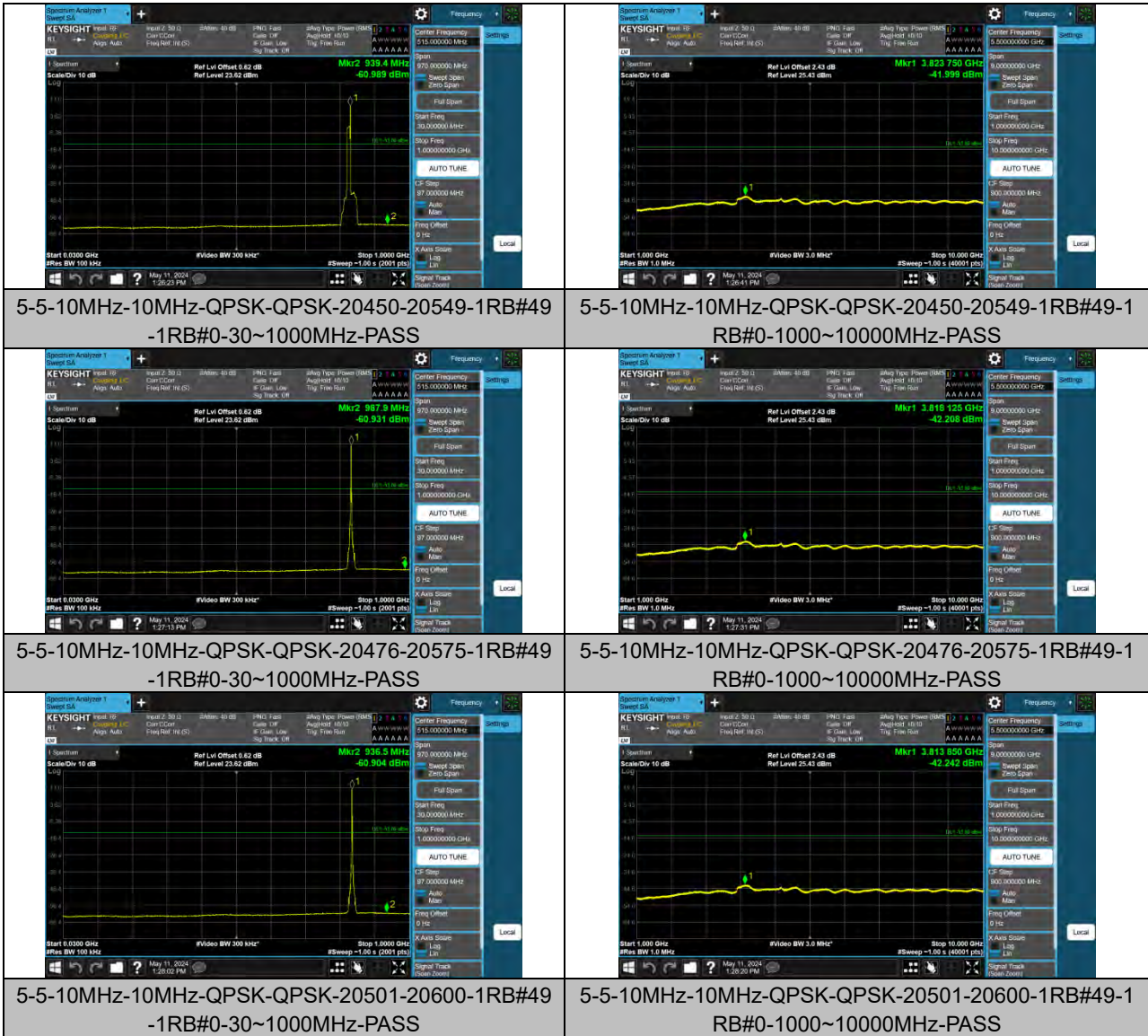
Reference No.: W7L-240430W002RF02

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-1RB#0	30~1000MHz	-60.99	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-1RB#0	1000~10000MHz	-42	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-1RB#0	30~1000MHz	-60.93	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-1RB#0	1000~10000MHz	-42.21	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#49-1RB#0	30~1000MHz	-60.9	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#49-1RB#0	1000~10000MHz	-42.24	PASS



TEST GRAPHS



--END--