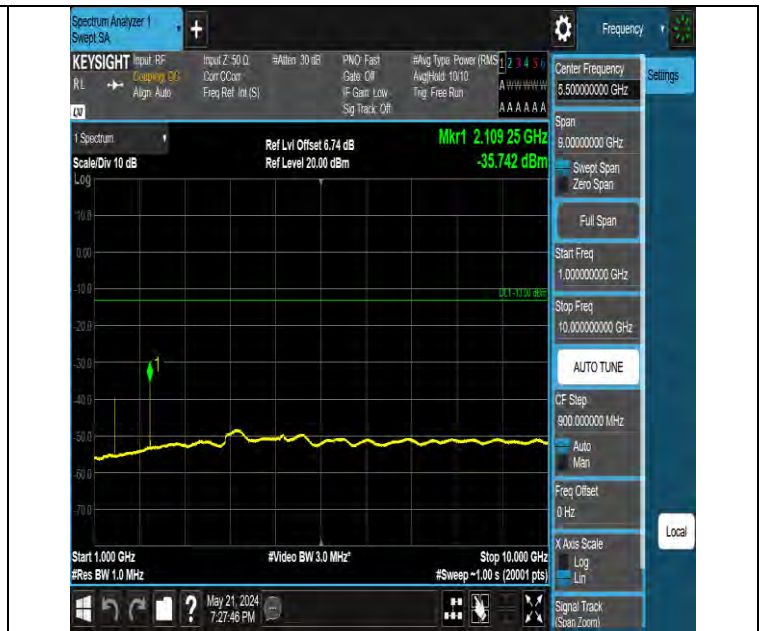


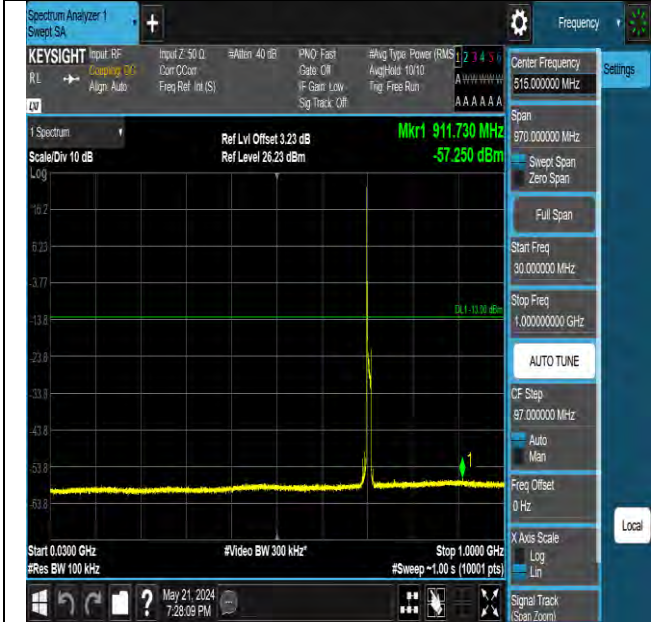


Test Report No.: PSU-NQN2405090215RF03



Band12 10MHz QPSK 23095 1RB#0 30~1000 30~1000

Band12 10MHz QPSK 23095 1RB#0 1000~10000 1000~10000



Band12 10MHz QPSK 23130 1RB#0 30~1000 30~1000

Band12 10MHz QPSK 23130 1RB#0 1000~10000 1000~10000



FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 2	10MHz	QPSK	23060	50RB #0	VN	NT	901.3 1	1.28	699.5 3568	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VL	NT	731.0 7	1.04	699.5 3114	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VH	NT	602.5 1	0.86	699.5 353	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VN	NT	936.11	1.32	---	715.4 7693	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VL	NT	700.6 6	0.99	---	715.4 6878	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VH	NT	564.7 5	0.79	---	715.4 6638	699-7 16	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-30	913.4 4	1.30	699.5 2975	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-20	749.7 1	1.06	699.5 2915	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-10	611.04	0.87	699.5 2797	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	0	555.1 9	0.79	699.5 256	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	10	442.2 5	0.63	699.5 33	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	20	302.5 0	0.43	699.5 3253	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	30	291.6 1	0.41	699.5 4053	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	40	224.6 3	0.32	699.5 3022	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	50	142.6 1	0.20	699.5 3057	---	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-30	908.9 8	1.28	---	715.4 7075	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-20	650.6 0	0.92	---	715.4 7722	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-10	612.0 7	0.86	---	715.4 714	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	0	552.6 4	0.78	---	715.4 7235	699-7 16	PASS



BUREAU
VERITAS

Test Report No.: PSU-NQN2405090215RF03

Band1 2	10MH z	QPSK	23130	50RB #0	NV	10	441.3 1	0.62	---	715.4 7699	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	20	159.8 6	0.22	---	715.4 7265	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	30	103.6 1	0.15	---	715.4 6859	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	40	-88.25	-0.12	---	715.4 7695	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	50	908.9 8	1.28	---	715.4 7496	699-7 16	PASS



Test Report No.: PSU-NQN2405090215RF03

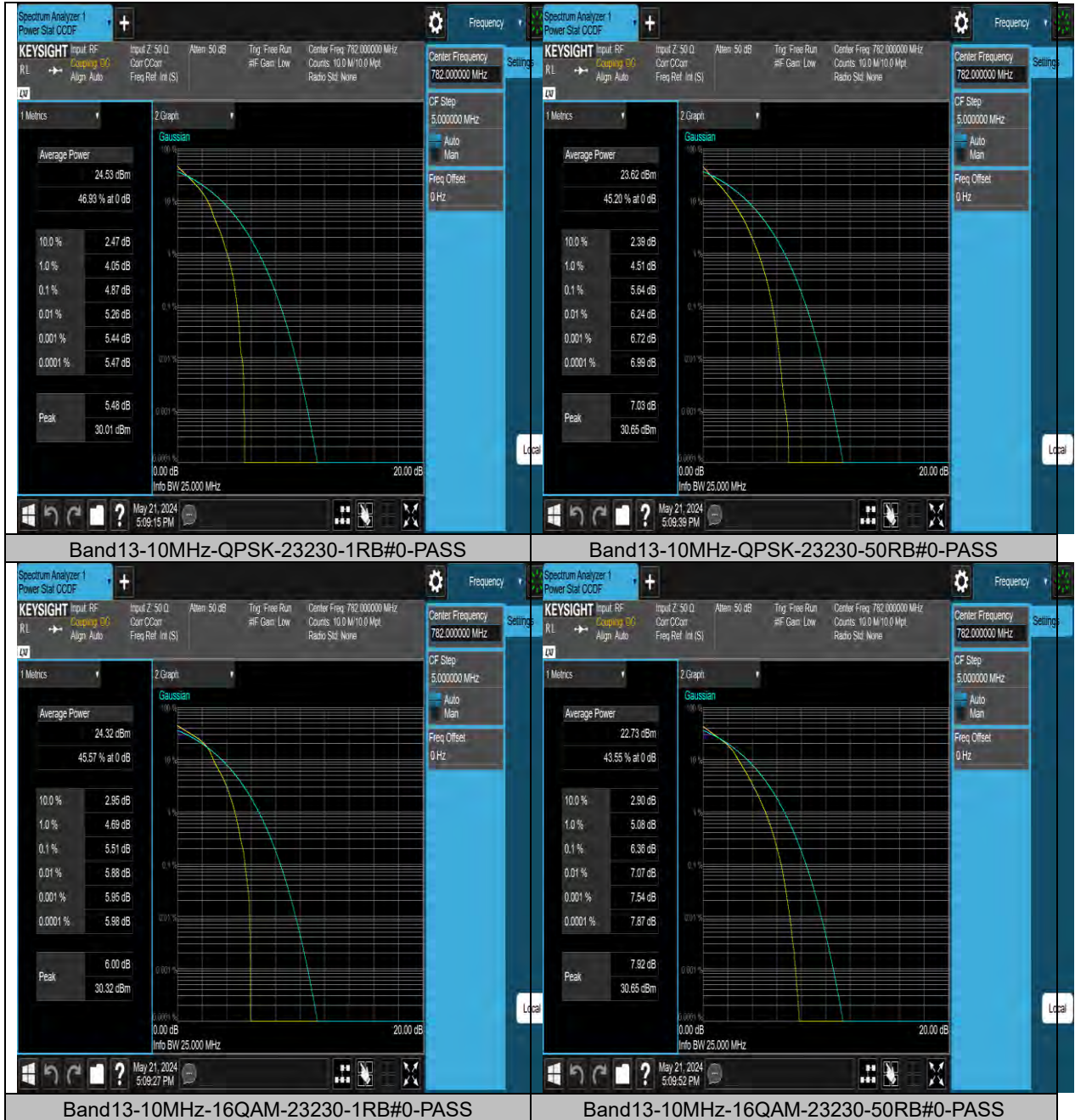
LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.87	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.64	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.51	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.36	13	PASS

Test Graphs





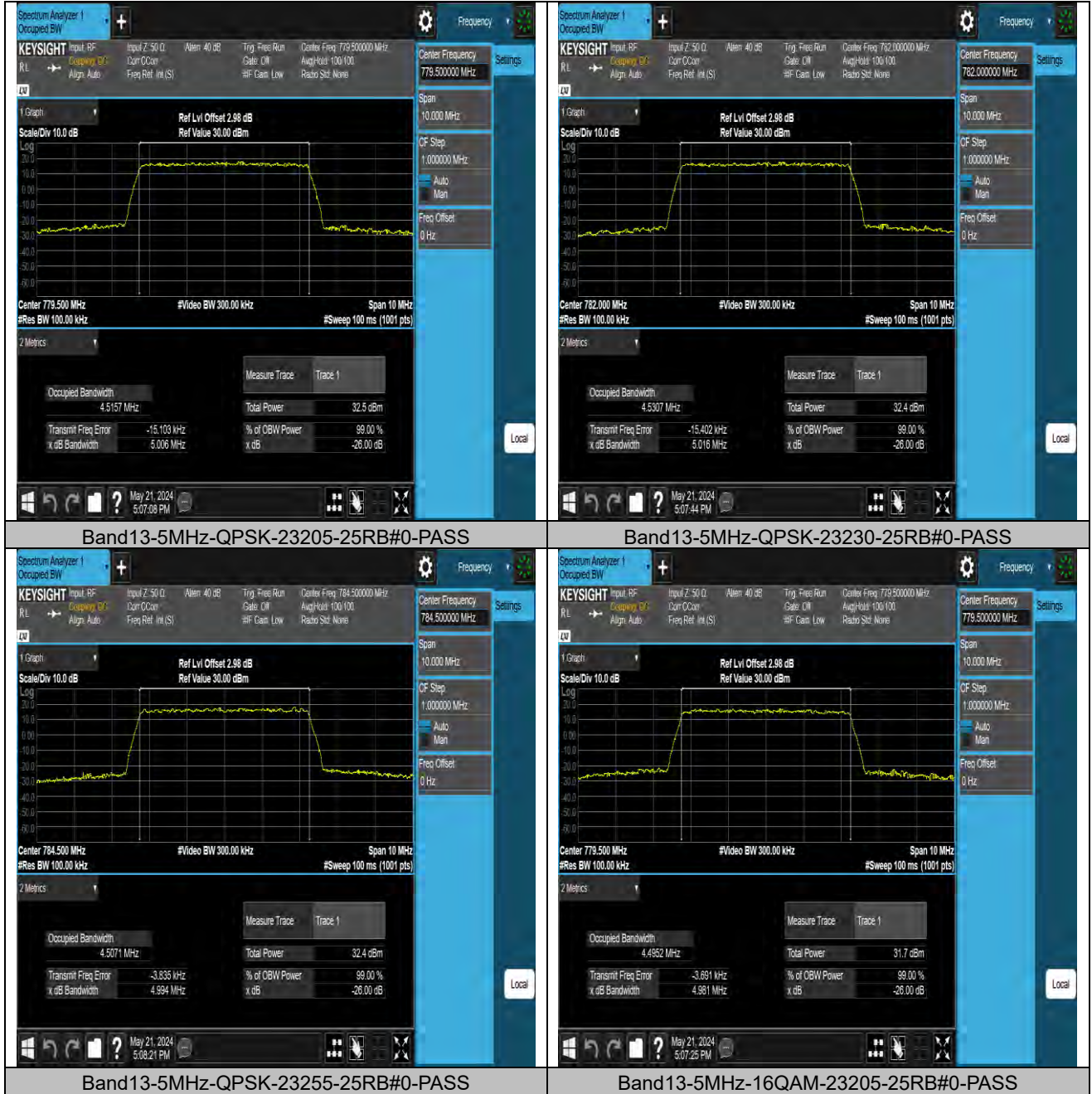
Test Report No.: PSU-NQN2405090215RF03

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5157	5.006	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5307	5.016	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5071	4.994	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4952	4.981	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5045	4.996	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4990	4.991	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0195	9.906	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.0079	9.911	PASS

Test Graphs



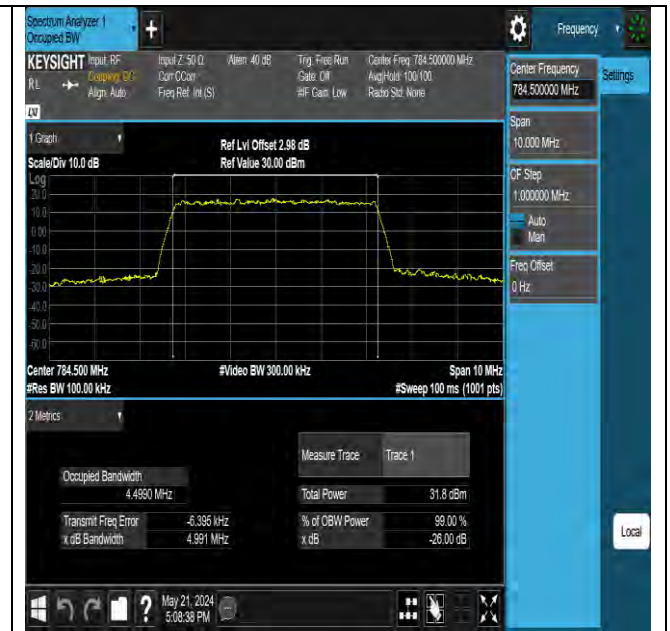


BUREAU VERITAS

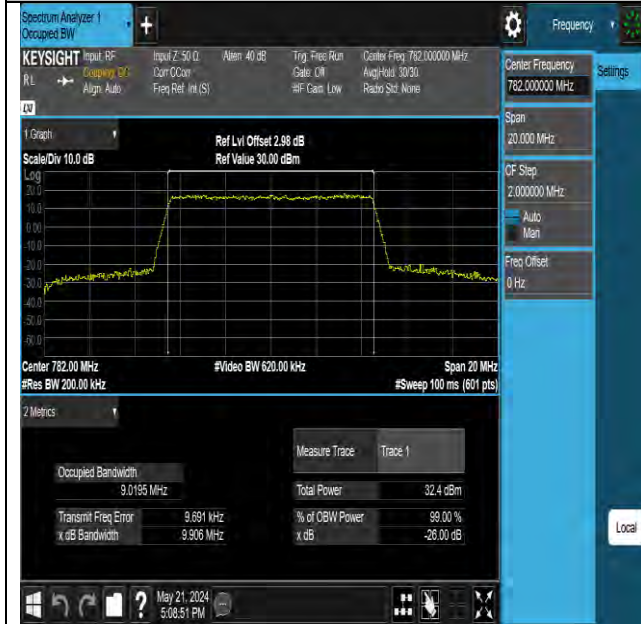
Test Report No.: PSU-NQN2405090215RF03



Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS



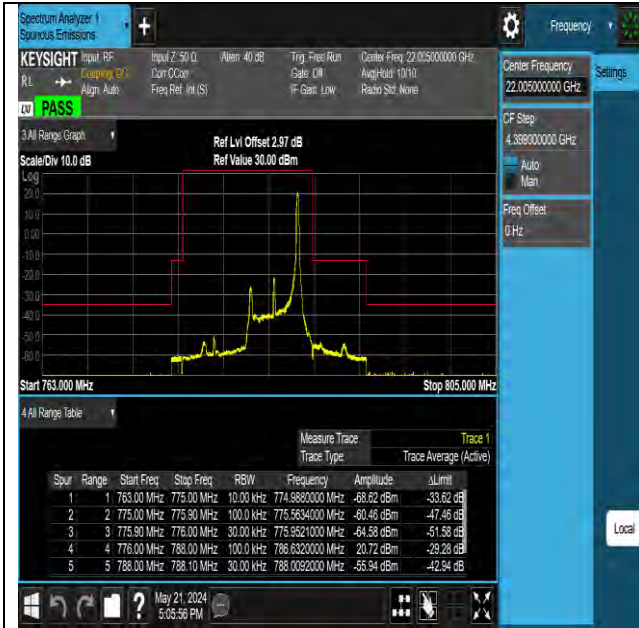
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-63.32	PASS
Band13	5MHz	QPSK	23205	25RB#0	-46.09	PASS
Band13	5MHz	QPSK	23255	1RB#24	-67.83	PASS
Band13	5MHz	QPSK	23255	25RB#0	-55.54	PASS
Band13	5MHz	16QAM	23205	1RB#0	-65.67	PASS
Band13	5MHz	16QAM	23205	25RB#0	-47.31	PASS
Band13	5MHz	16QAM	23255	1RB#24	-66.98	PASS
Band13	5MHz	16QAM	23255	25RB#0	-35.54	PASS
Band13	10MHz	QPSK	23230	1RB#0	-57.81	PASS
Band13	10MHz	QPSK	23230	1RB#49	-61.88	PASS
Band13	10MHz	QPSK	23230	50RB#0	-49.95	PASS
Band13	10MHz	16QAM	23230	1RB#0	-55.12	PASS
Band13	10MHz	16QAM	23230	1RB#49	-63.63	PASS
Band13	10MHz	16QAM	23230	50RB#0	-49.55	PASS

Test Graphs

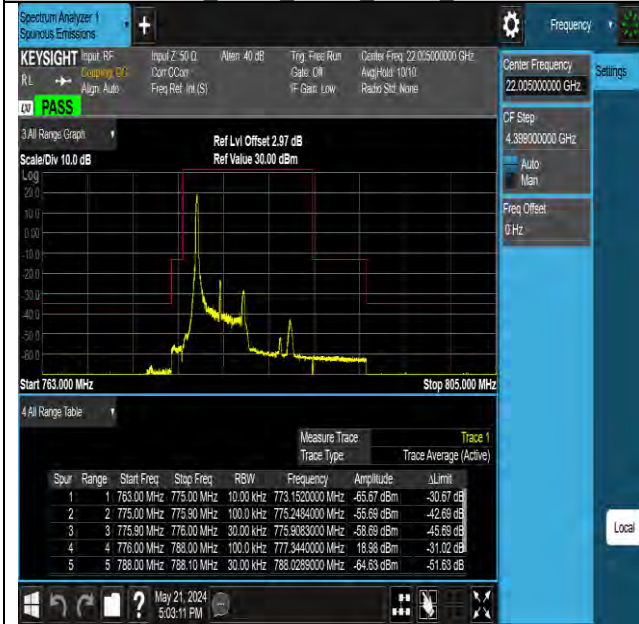




Band13 5MHz QPSK 23255 1RB#24



Band13 5MHz QPSK 23255 25RB#0



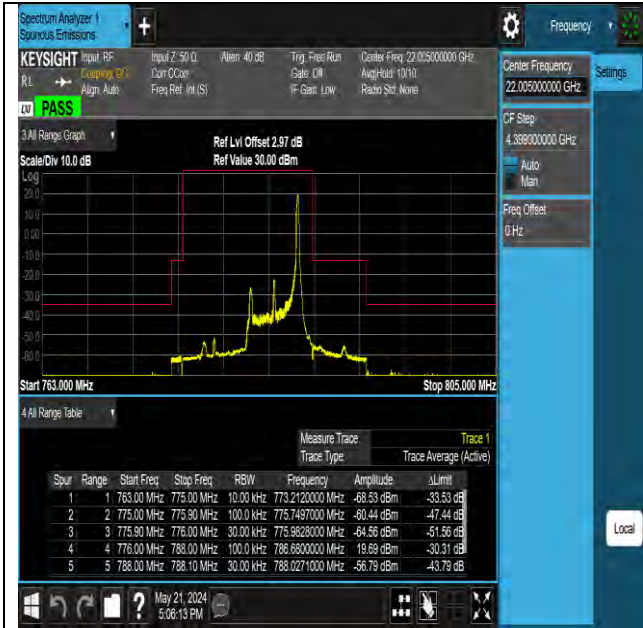
Band13 5MHz 16QAM 23205 1RB#0



Band13 5MHz 16QAM 23205 25RB#0



Test Report No.: PSU-NQN2405090215RF03



Band13 5MHz 16QAM 23255 1RB#24



Band13 5MHz 16QAM 23255 25RB#0



Band13 10MHz QPSK 23230 1RB#0



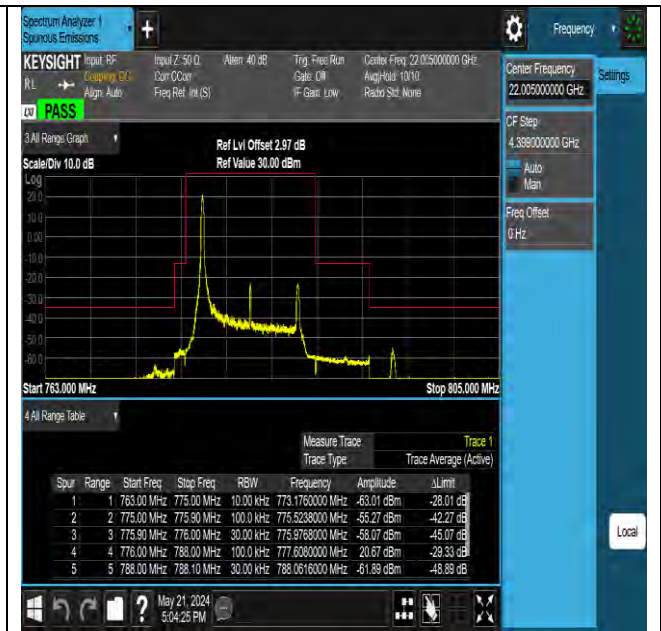
Band13 10MHz QPSK 23230 1RB#49



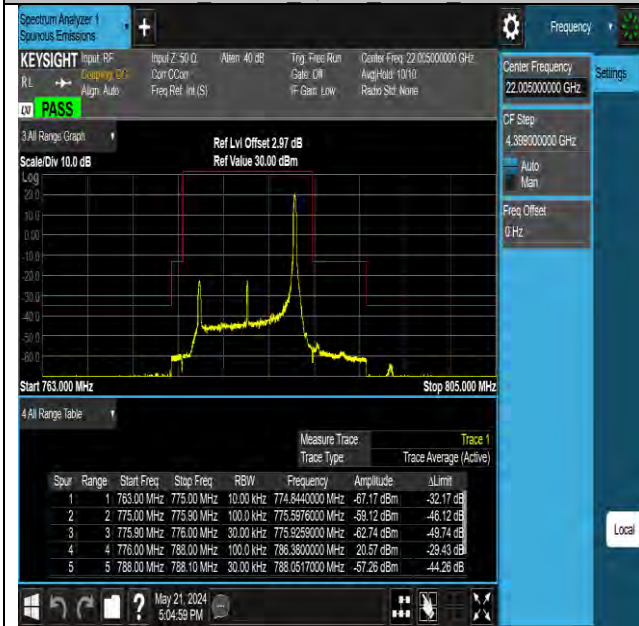
Test Report No.: PSU-NQN2405090215RF03



Band13 10MHz QPSK 23230 50RB#0



Band13 10MHz 16QAM 23230 1RB#0



Band13 10MHz 16QAM 23230 1RB#49



Band13 10MHz 16QAM 23230 50RB#0



Test Report No.: PSU-NQN2405090215RF03

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-57.34	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~10000	-38.21	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-57.32	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~10000	-38.22	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-57.31	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~10000	-38.32	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-57.21	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~10000	-38.26	PASS



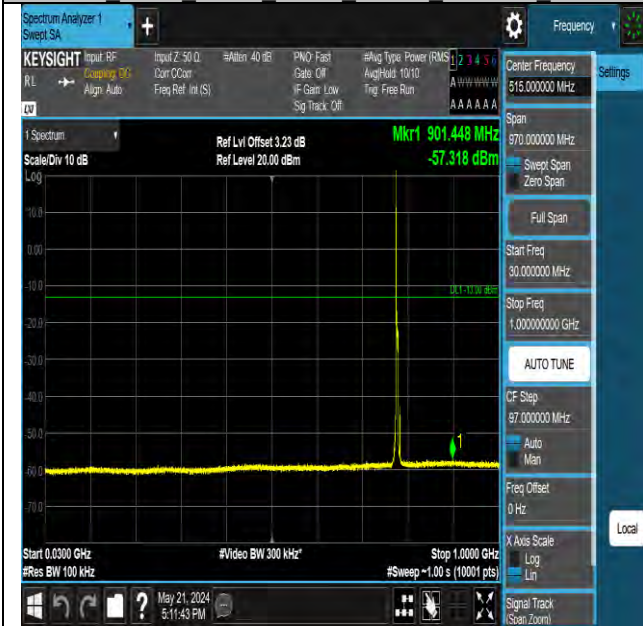
Test Graphs



Band13 5MHz QPSK 23205 1RB#0 30~1000 30~1000



Band13 5MHz QPSK 23205 1RB#0 1000~10000 1000~10000



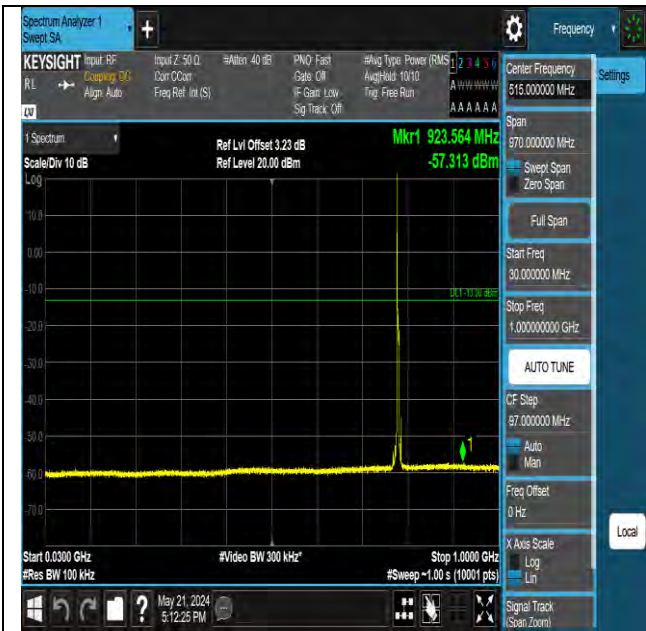
Band13 5MHz QPSK 23230 1RB#0 30~1000 30~1000



Band13 5MHz QPSK 23230 1RB#0 1000~10000 1000~10000

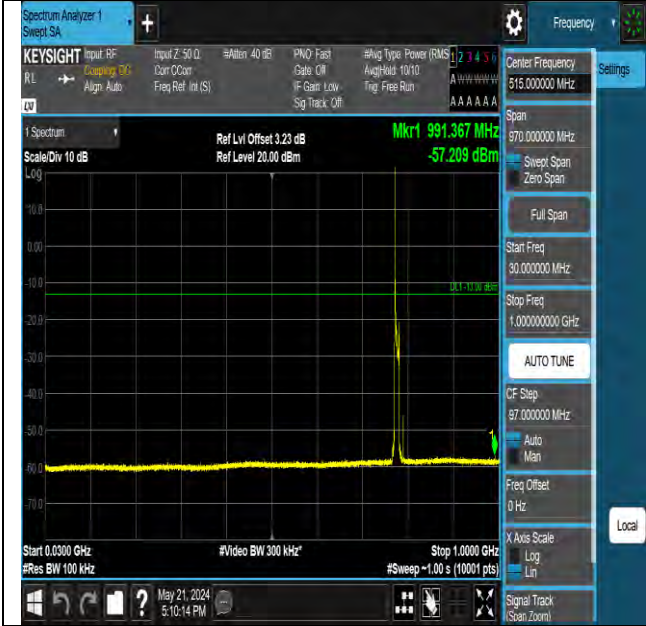


Test Report No.: PSU-NQN2405090215RF03



Band13 5MHz QPSK 23255 1RB#0 30~1000 30~1000

Band13 5MHz QPSK 23255 1RB#0 1000~10000 1000~10000



Band13 10MHz QPSK 23230 1RB#0 30~1000 30~1000

Band13 10MHz QPSK 23230 1RB#0 1000~10000 1000~10000

FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1_3	5MHz	QPSK	23205	25RB #0	VN	NT	965.97	1.24	777.25244	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	VL	NT	891.49	1.14	777.25647	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	VH	NT	859.30	1.10	777.25315	---	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VN	NT	885.90	1.13	---	786.73278	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VL	NT	765.29	0.98	---	786.72959	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VH	NT	538.82	0.69	---	786.73178	777-787	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-30	966.72	1.24	777.25685	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-20	902.13	1.16	777.2547	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-10	913.23	1.17	777.25456	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	0	758.29	0.97	777.25313	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	10	719.79	0.92	777.2534	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	20	588.70	0.76	777.25547	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	30	454.94	0.58	777.26681	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	40	403.28	0.52	777.27033	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	50	248.91	0.32	777.27115	---	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-30	875.80	1.12	---	786.73493	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-20	845.50	1.08	---	786.73496	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-10	863.17	1.10	---	786.73436	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	0	843.98	1.08	---	786.73523	777-787	PASS



BUREAU
VERITAS

Test Report No.: PSU-NQN2405090215RF03

Band1 3	5MHz	QPSK	23255	25RB #0	NV	10	766.6 3	0.98	---	786.7 3412	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	20	701.7 6	0.89	---	786.7 3249	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	30	553.3 1	0.71	---	786.7 3388	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	40	471.11	0.60	---	786.7 3354	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	50	875.8 0	1.12	---	786.7 3099	777-7 87	PASS

---END---