



BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band12\_3MHz\_QPSK\_23165\_1RB#0\_30~1000\_30~1000

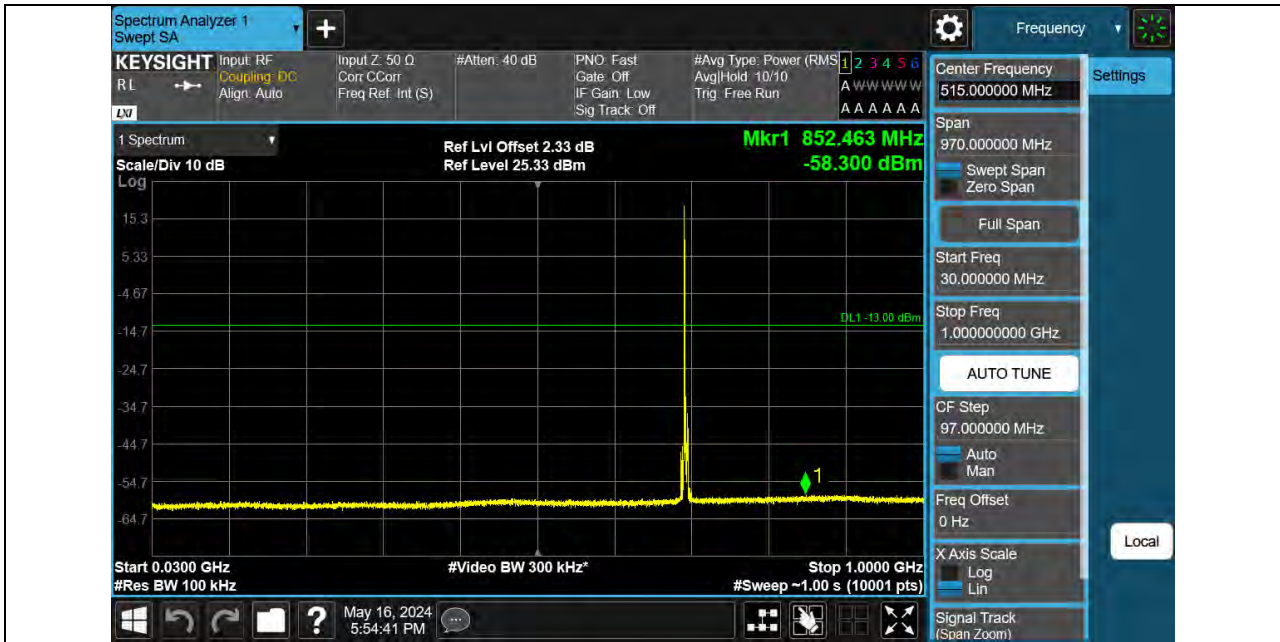


Band12\_3MHz\_QPSK\_23165\_1RB#0\_1000~10000\_1000~10000



BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band12\_5MHz\_QPSK\_23035\_1RB#0\_30~1000\_30~1000



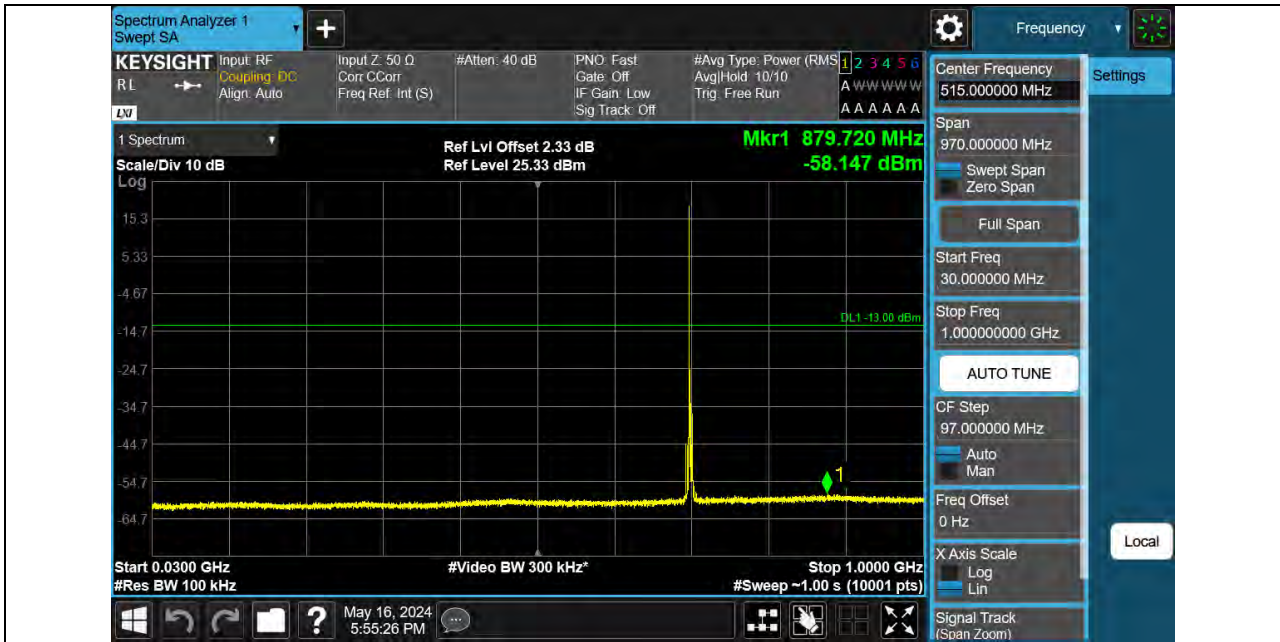
Band12\_5MHz\_QPSK\_23035\_1RB#0\_1000~10000\_1000~10000





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band12\_5MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000



Band12\_5MHz\_QPSK\_23095\_1RB#0\_1000~10000\_1000~10000



BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band12\_5MHz\_QPSK\_23155\_1RB#0\_30~1000\_30~1000



Band12\_5MHz\_QPSK\_23155\_1RB#0\_1000~10000\_1000~10000





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band12 10MHz QPSK 23060 1RB#0 30~1000 30~1000

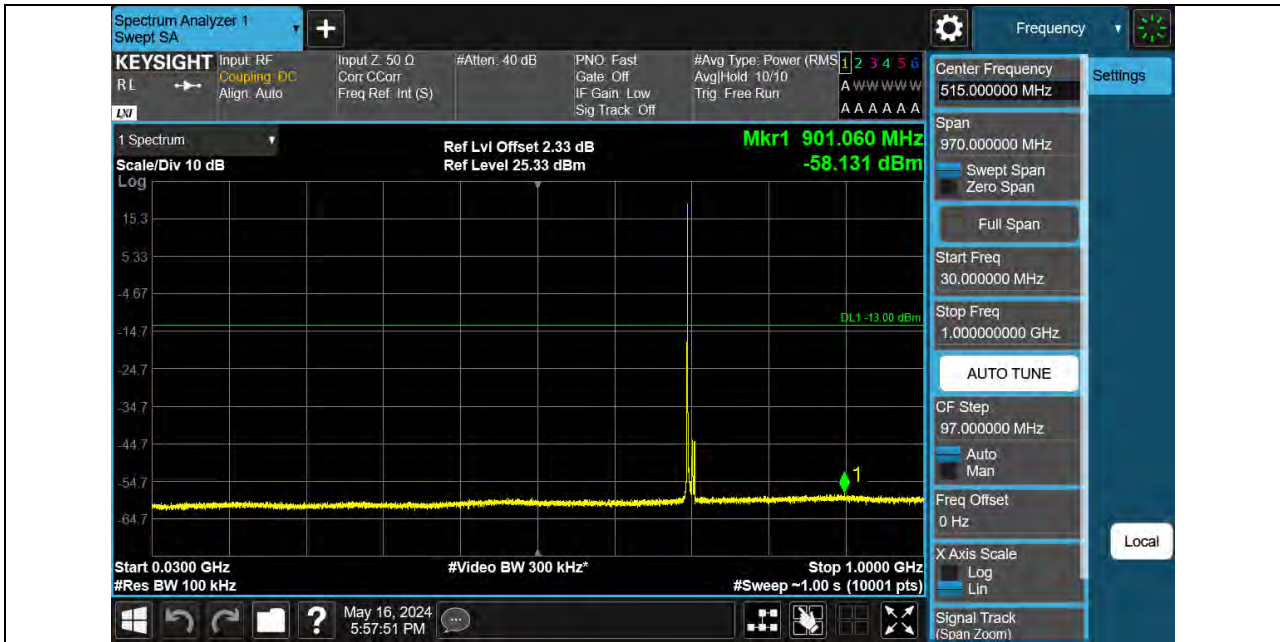


Band12\_10MHz\_QPSK\_23060\_1RB#0\_1000~10000\_1000~10000



BUREAU VERITAS

Reference No.: W7L-P24030018RF06



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



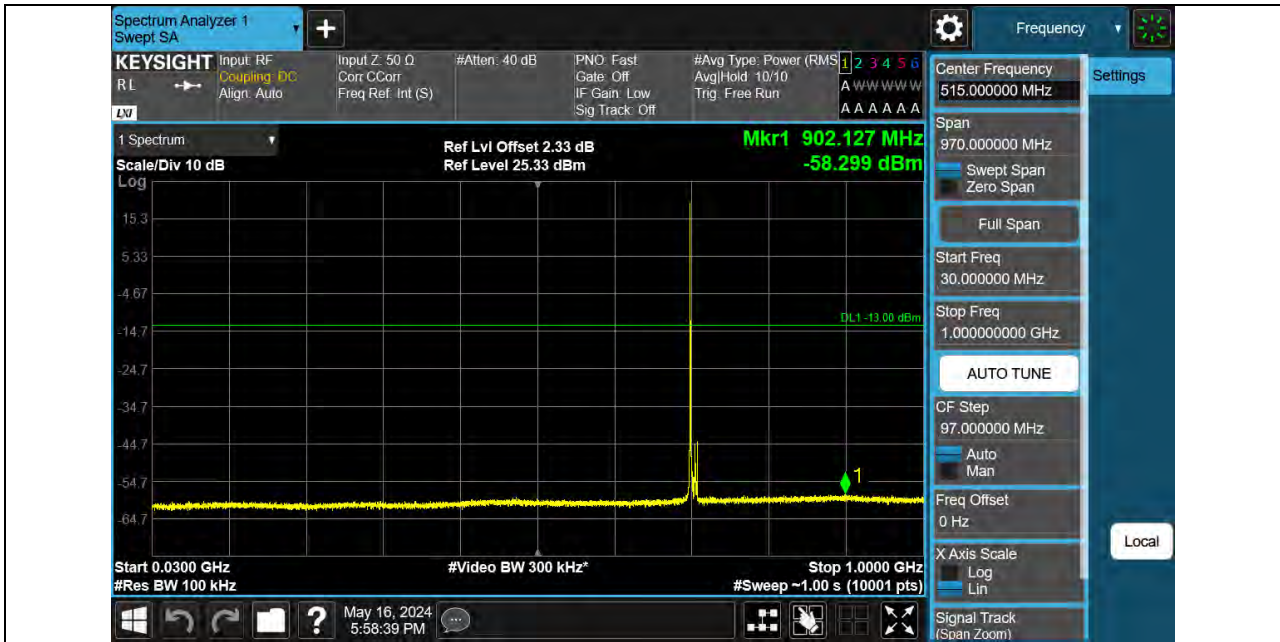
Band12\_10MHz\_QPSK\_23095\_1RB#0\_1000~10000\_1000~10000





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



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



Band12\_10MHz\_QPSK\_23130\_1RB#0\_1000~10000\_1000~10000



Reference No.: W7L-P24030018RF06

## 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
Band1 2	10MHz	QPSK	23060	50RB #0	VN	NT	967.7 2	1.37	699.5 268	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VL	NT	801.5 9	1.14	699.5 4144	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VH	NT	685.7 7	0.97	699.5 2631	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VN	NT	910.9 0	1.28	--	715.4 5788	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VL	NT	667.3 3	0.94	--	715.4 6311	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VH	NT	385.1 7	0.54	--	715.4 6188	699-7 16	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-30	874.2 2	1.24	699.5 3248	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-20	769.7 4	1.09	699.5 2413	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-10	720.8 9	1.02	699.5 2623	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	0	551.6 4	0.78	699.5 3513	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	10	432.6 4	0.61	699.5 2536	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	20	295.6 0	0.42	699.5 3017	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	30	229.3 3	0.33	699.5 2723	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	40	182.3 3	0.26	699.5 2825	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	50	110.00	0.16	699.5 2423	--	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-30	891.8 8	1.25	--	715.4 6759	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-20	648.2 6	0.91	--	715.4 6129	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-10	549.6 7	0.77	--	715.4 6586	699-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	0	427.3 7	0.60	--	715.4 702	699-7 16	PASS





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Band1 2	10MH z	QPSK	23130	50RB #0	NV	10	305.2 7	0.43	--	715.4 6245	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	20	107.2 5	0.15	--	715.4 6619	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	30	-114.2 1	-0.16	--	715.4 6641	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	40	-375.8 7	-0.53	--	715.4 6442	699-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	50	-652.9 4	-0.92	--	715.4 6546	699-7 16	PASS



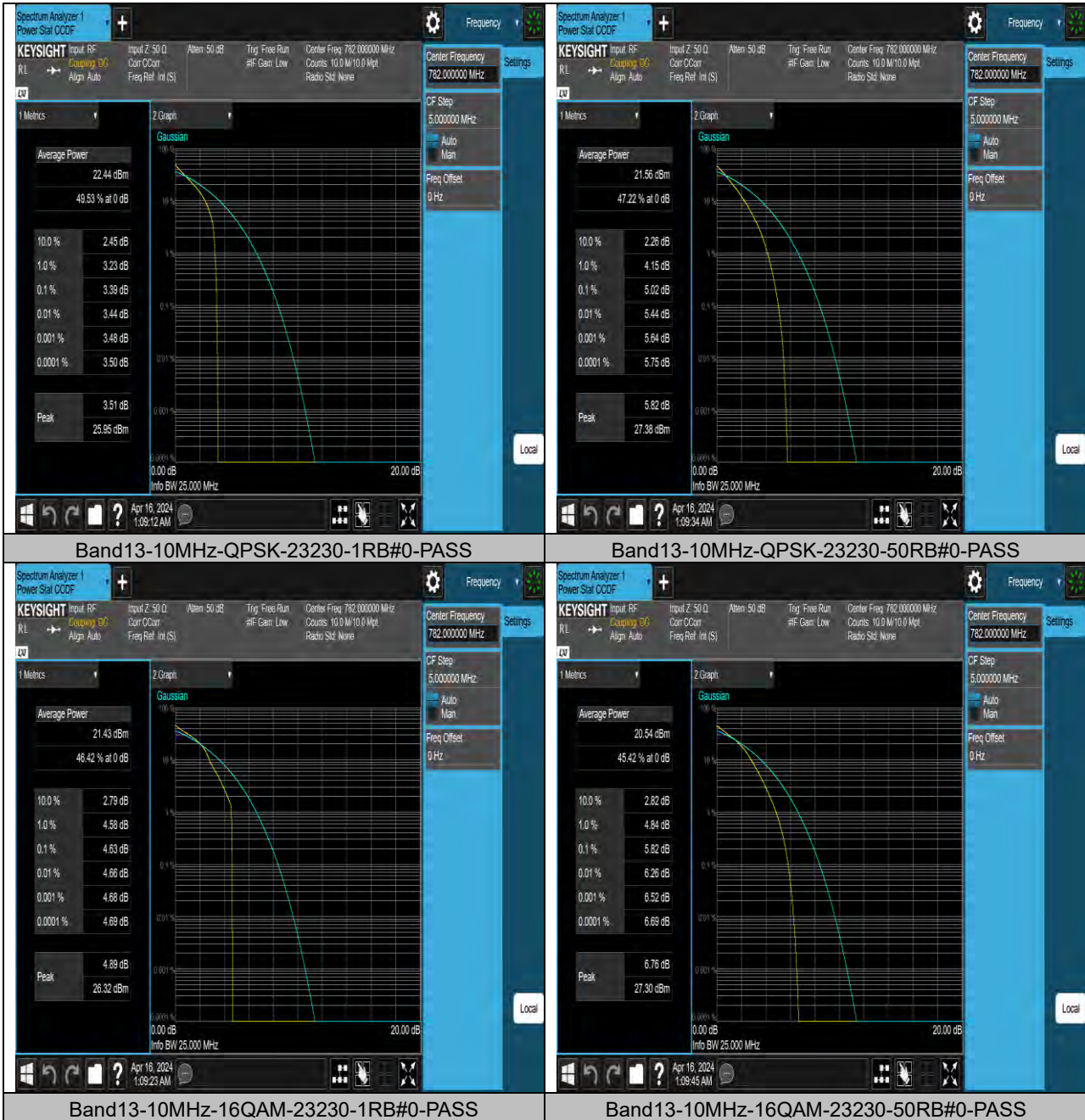
Reference No.: W7L-P24030018RF06

## LTE BAND 13

### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	3.39	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.02	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.63	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.82	13	PASS

### TEST GRAPHS







Reference No.: W7L-P24030018RF06

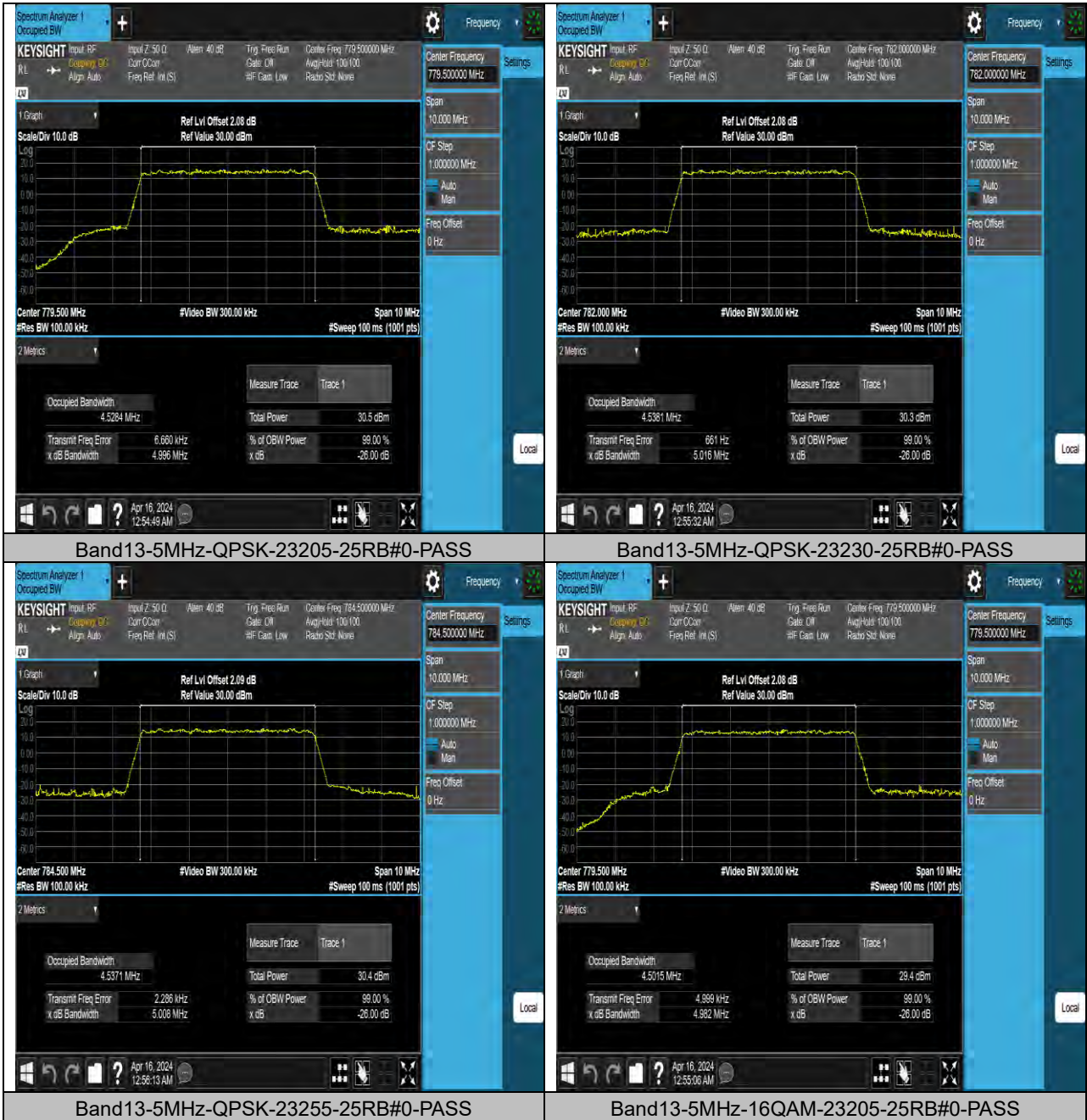
## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5284	4.996	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5381	5.016	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5371	5.008	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5015	4.982	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5064	5.016	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5087	4.991	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9797	9.916	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9819	9.815	PASS



Reference No.: W7L-P24030018RF06

## TEST GRAPHS





Reference No.: W7L-P24030018RF06

BUREAU VERITAS



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

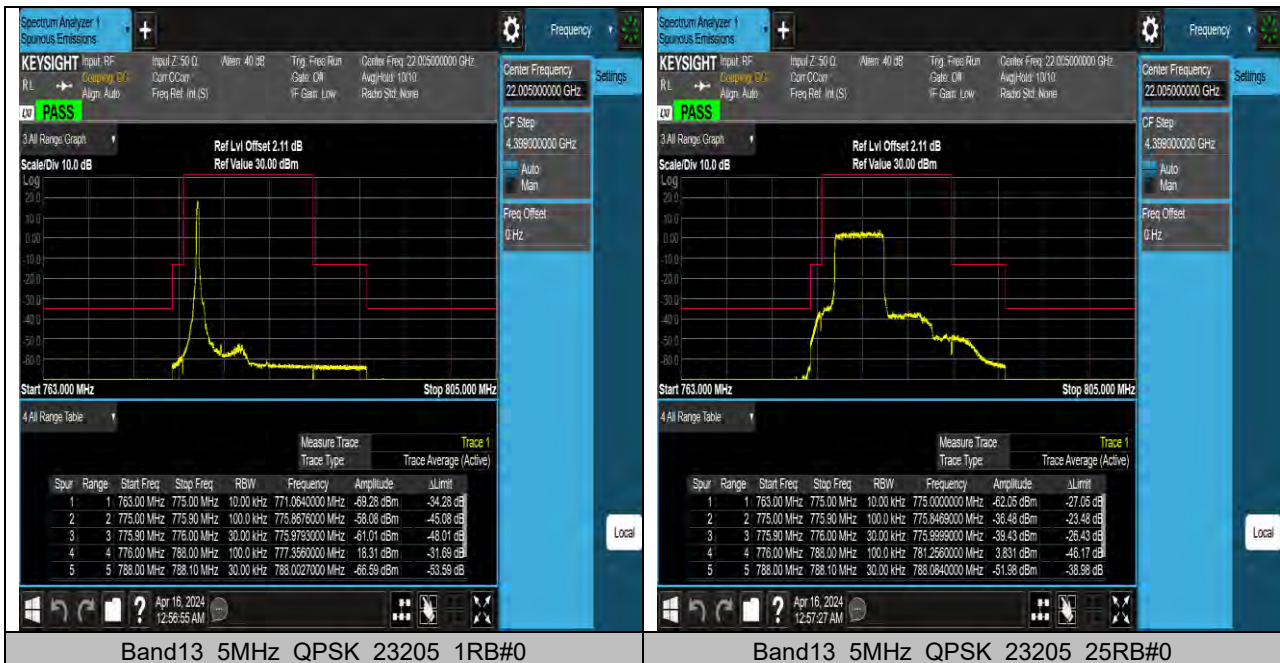




# BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-69.28	PASS
Band13	5MHz	QPSK	23205	25RB#0	-36.48	PASS
Band13	5MHz	QPSK	23255	1RB#24	-70.26	PASS
Band13	5MHz	QPSK	23255	25RB#0	-37.50	PASS
Band13	5MHz	16QAM	23205	1RB#0	-69.87	PASS
Band13	5MHz	16QAM	23205	25RB#0	-40.14	PASS
Band13	5MHz	16QAM	23255	1RB#24	-70.08	PASS
Band13	5MHz	16QAM	23255	25RB#0	-36.98	PASS
Band13	10MHz	QPSK	23230	1RB#0	-70.18	PASS
Band13	10MHz	QPSK	23230	1RB#49	-70.00	PASS
Band13	10MHz	QPSK	23230	50RB#0	-34.91	PASS
Band13	10MHz	16QAM	23230	1RB#0	-70.16	PASS
Band13	10MHz	16QAM	23230	1RB#49	-70.21	PASS
Band13	10MHz	16QAM	23230	50RB#0	-39.94	PASS

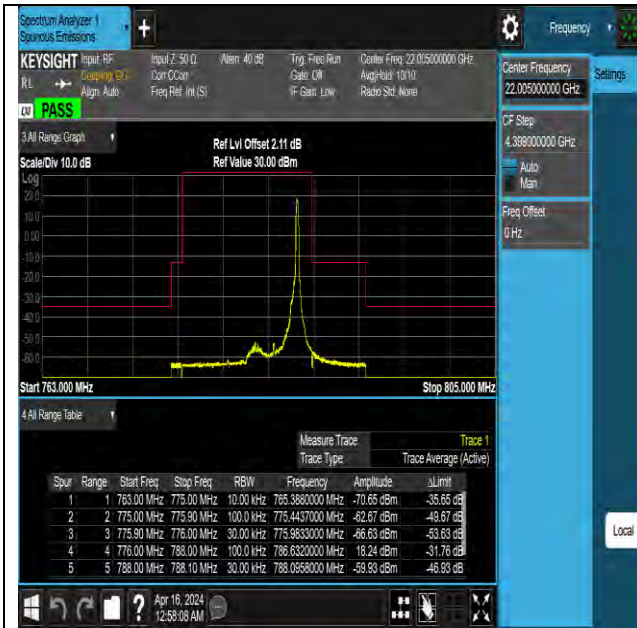
## TEST GRAPHS





Reference No.: W7L-P24030018RF06

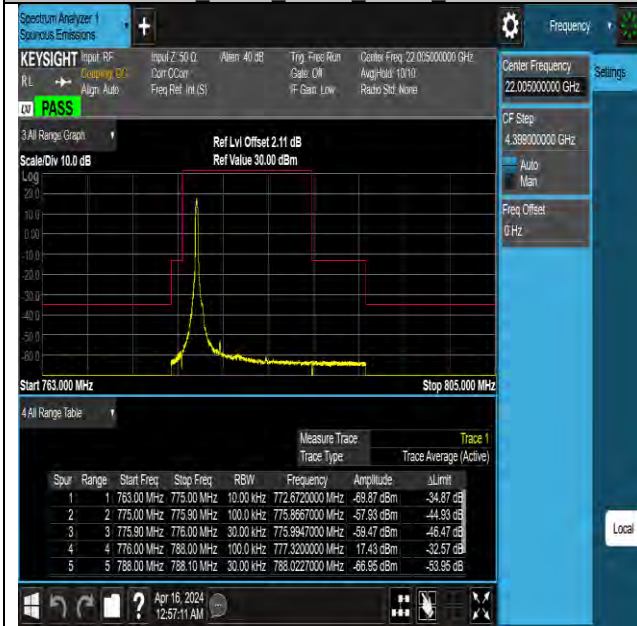
BUREAU VERITAS



Band13 5MHz QPSK 23255 1RB#24



Band13 5MHz QPSK 23255 25RB#0



Band13 5MHz 16QAM 23205 1RB#0



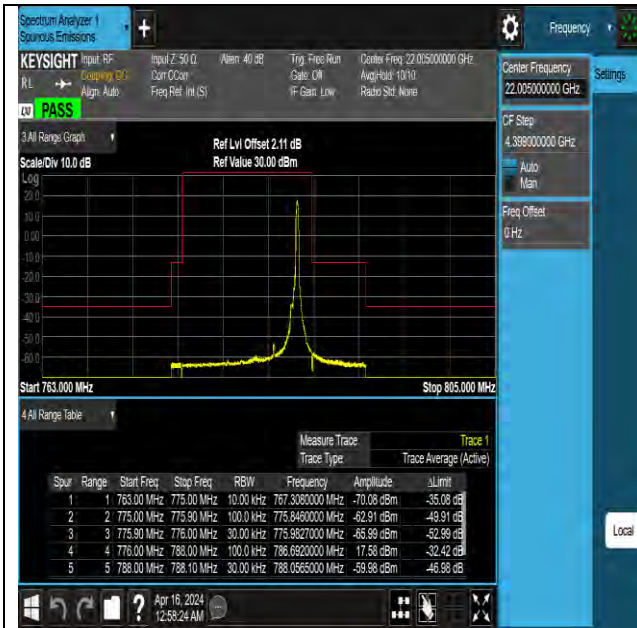
Band13 5MHz 16QAM 23205 25RB#0





Reference No.: W7L-P24030018RF06

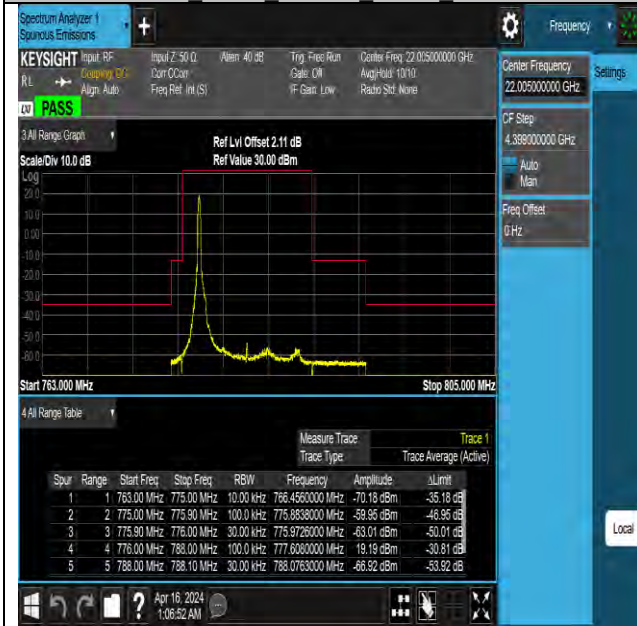
BUREAU VERITAS



Band13 5MHz 16QAM 23255 1RB#24



Band13 5MHz 16QAM 23255 25RB#0



Band13 10MHz QPSK 23230 1RB#0



Band13 10MHz QPSK 23230 1RB#49





Reference No.: W7L-P24030018RF06

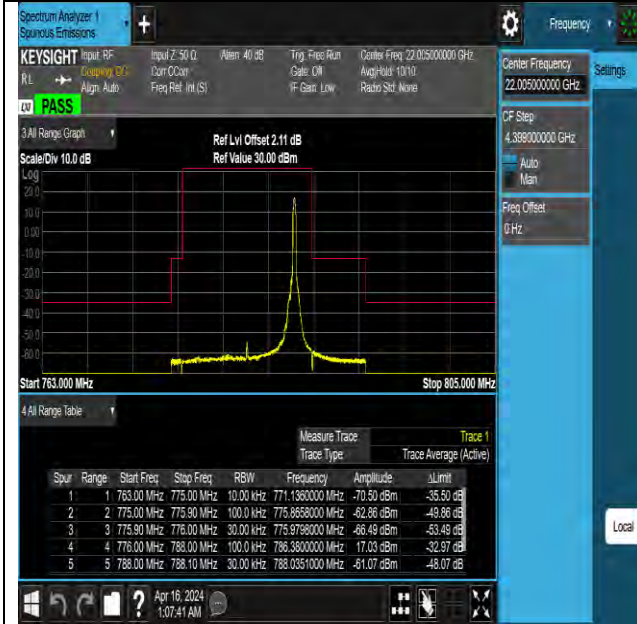
BUREAU VERITAS



Band13 10MHz QPSK 23230 50RB#0



Band13 10MHz 16QAM 23230 1RB#0



Band13 10MHz 16QAM 23230 1RB#49



Band13 10MHz 16QAM 23230 50RB#0

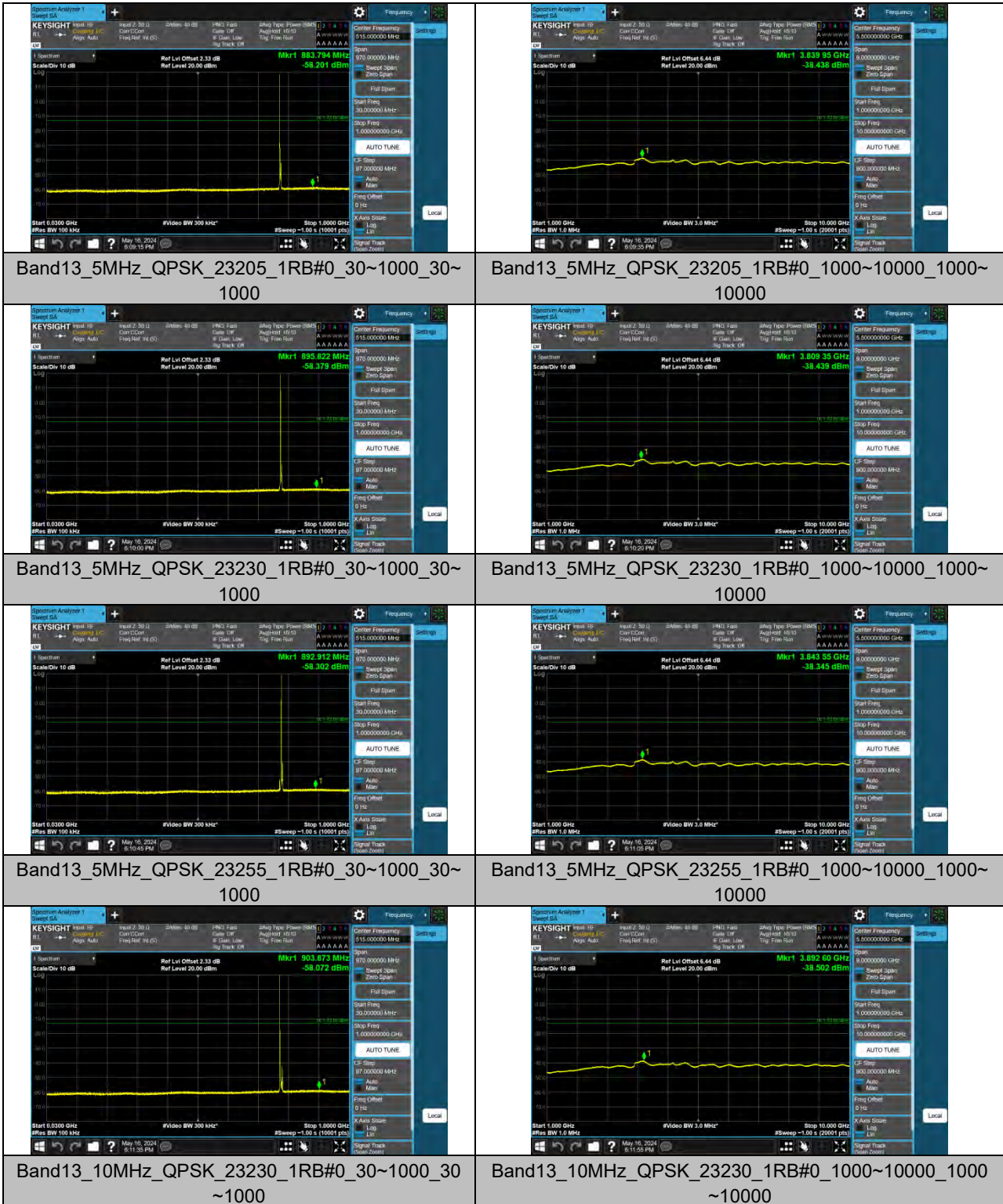


Reference No.: W7L-P24030018RF06

## CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-58.20	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~10000	-38.44	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-58.38	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~10000	-38.44	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-58.30	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~10000	-38.35	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-58.07	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~10000	-38.50	PASS

### TEST GRAPHS







Reference No.: W7L-P24030018RF06

## 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
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	873.63	1.12	777.25809	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	869.79	1.12	777.2621	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	734.97	0.94	777.2635	--	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	959.13	1.22	--	786.73468	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	839.12	1.07	--	786.73578	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	599.10	0.76	--	786.73464	777-787	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-1290.00	-1.65	777.26156	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	60.00	0.08	777.26046	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-1050.00	-1.35	777.2616	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-1210.00	-1.55	777.25964	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-480.00	-0.62	777.26137	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-1020.00	-1.31	777.25913	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	830.00	1.06	777.26303	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-510.00	-0.65	777.25929	--	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	810.00	1.04	777.26176	--	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	910.29	1.16	--	786.73445	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	757.67	0.97	--	786.73536	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	616.93	0.79	--	786.73412	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	442.45	0.56	--	786.73581	777-787	PASS



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Band1 3	5MHz	QPSK	23255	25RB #0	NV	10	204.9 4	0.26	--	786.7 3323	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	20	74.90	0.10	--	786.7 3639	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	30	-69.12	-0.09	--	786.7 3514	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	40	-77.72	-0.10	--	786.7 3321	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	50	-367.4 4	-0.47	--	786.7 324	777-7 87	PASS



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## LTE BAND 30

### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

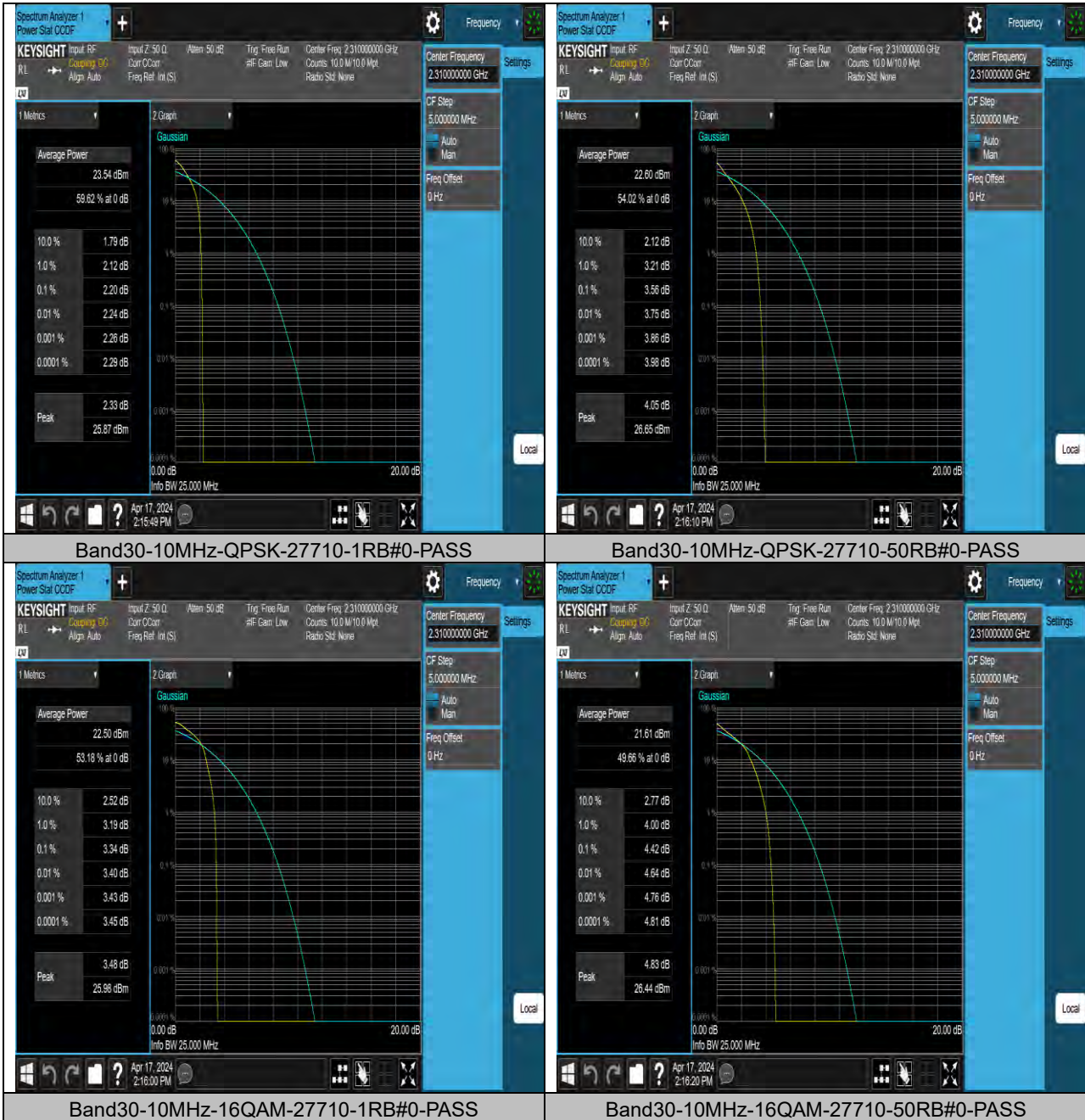
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	10MHz	QPSK	27710	1RB#0	2.20	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	3.56	13	PASS
Band30	10MHz	16QAM	27710	1RB#0	3.34	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	4.42	13	PASS





Reference No.: W7L-P24030018RF06

## TEST GRAPHS



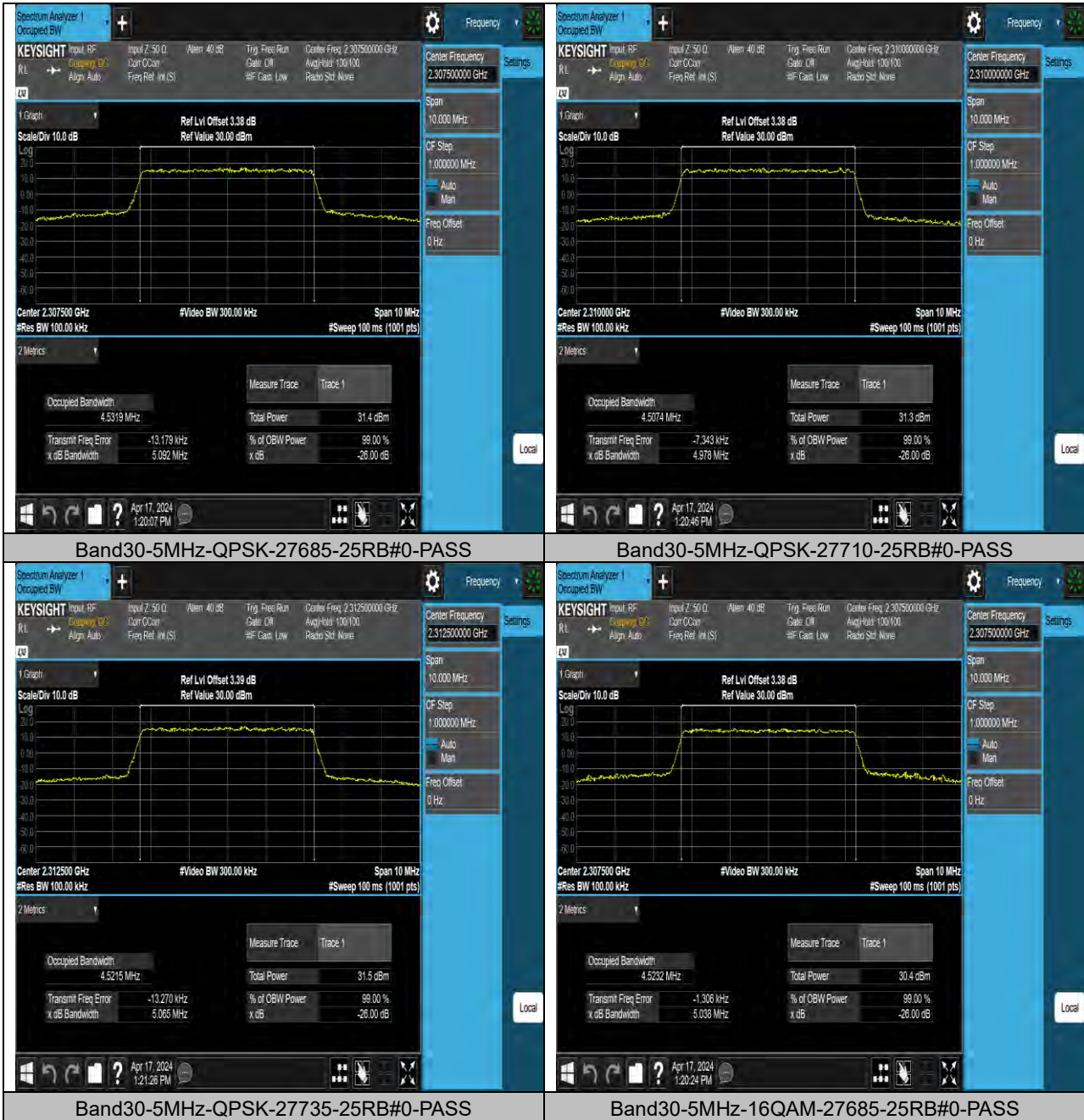


Reference No.: W7L-P24030018RF06

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.5319	5.092	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.5074	4.978	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.5215	5.065	PASS
Band30	5MHz	16QAM	27685	25RB#0	4.5232	5.038	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.5095	4.985	PASS
Band30	5MHz	16QAM	27735	25RB#0	4.5155	5.013	PASS
Band30	10MHz	QPSK	27710	50RB#0	9.0009	9.903	PASS
Band30	10MHz	16QAM	27710	50RB#0	9.0007	9.841	PASS

### TEST GRAPHS





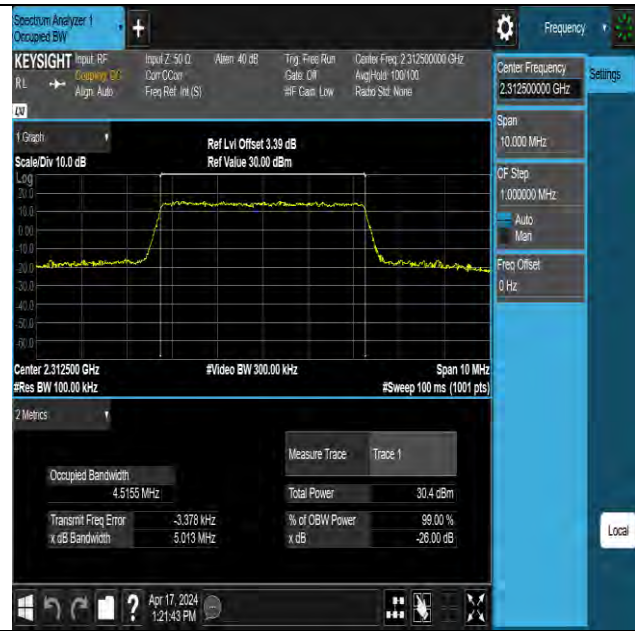


Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band30-5MHz-16QAM-27710-25RB#0-PASS



Band30-5MHz-16QAM-27735-25RB#0-PASS



Band30-10MHz-QPSK-27710-50RB#0-PASS



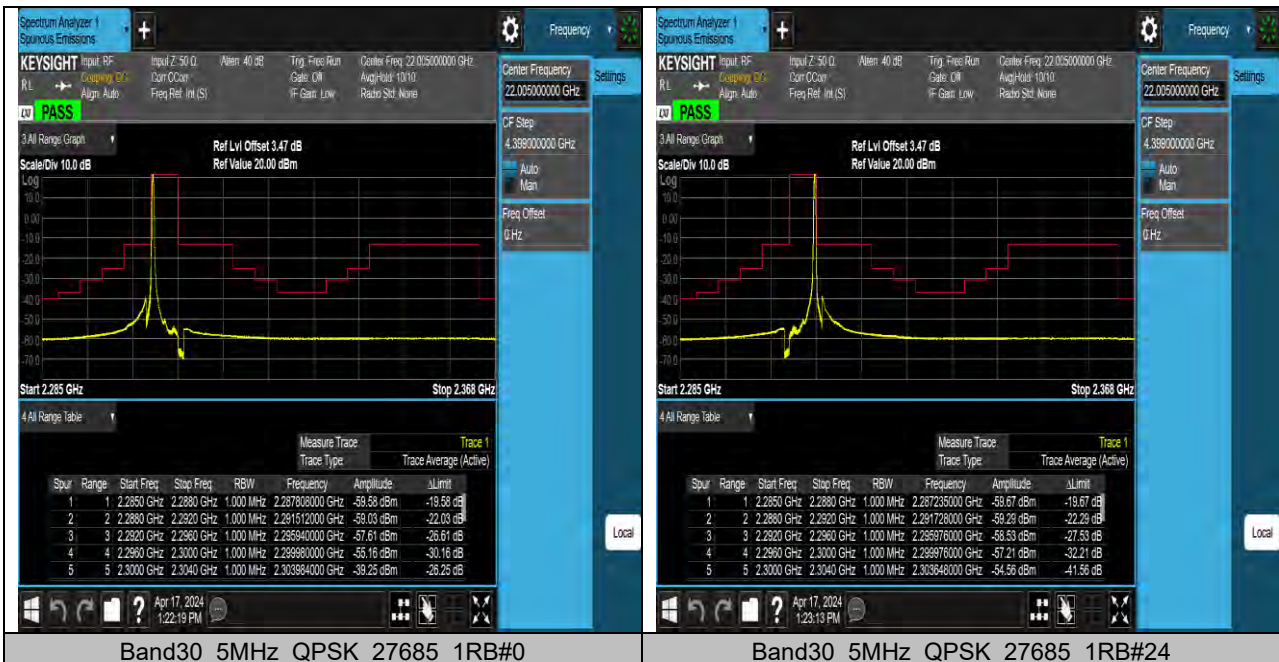
Band30-10MHz-16QAM-27710-50RB#0-PASS



# BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	-24.65	PASS
Band30	5MHz	QPSK	27685	1RB#24	-25.12	PASS
Band30	5MHz	QPSK	27685	25RB#0	-15.82	PASS
Band30	5MHz	QPSK	27735	1RB#0	-26.25	PASS
Band30	5MHz	QPSK	27735	1RB#24	-26.54	PASS
Band30	5MHz	QPSK	27735	25RB#0	-19.34	PASS
Band30	5MHz	16QAM	27685	1RB#0	-26.67	PASS
Band30	5MHz	16QAM	27685	1RB#24	-27.96	PASS
Band30	5MHz	16QAM	27685	25RB#0	-18.94	PASS
Band30	5MHz	16QAM	27735	1RB#0	-28.31	PASS
Band30	5MHz	16QAM	27735	1RB#24	-28.27	PASS
Band30	5MHz	16QAM	27735	25RB#0	-34.27	PASS
Band30	10MHz	QPSK	27710	1RB#0	-59.46	PASS
Band30	10MHz	QPSK	27710	1RB#49	-59.43	PASS
Band30	10MHz	QPSK	27710	50RB#0	-20.76	FAIL_Final1
Band30	10MHz	QPSK	27710	50RB#0	-31.01	PASS
Band30	10MHz	16QAM	27710	1RB#0	-59.58	PASS
Band30	10MHz	16QAM	27710	1RB#49	-59.57	PASS
Band30	10MHz	16QAM	27710	50RB#0	-26.02	PASS

## TEST GRAPHS







Reference No.: W7L-P24030018RF06

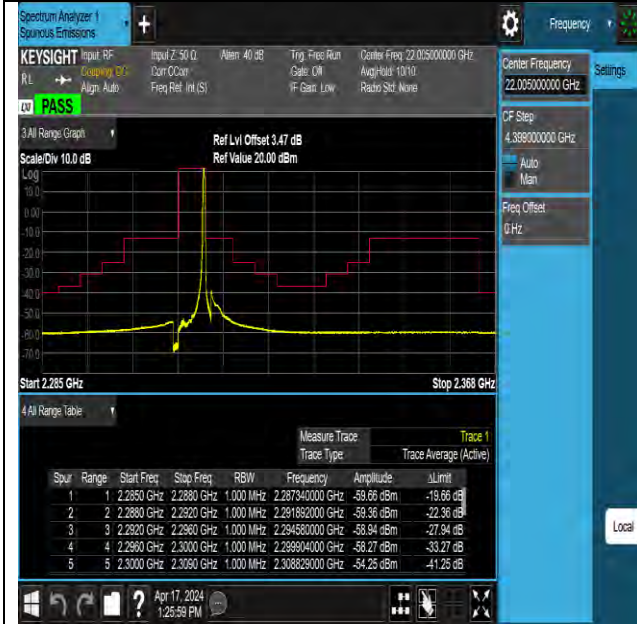
BUREAU VERITAS



Band30 5MHz QPSK 27685 25RB#0



Band30 5MHz QPSK 27735 1RB#0



Band30 5MHz QPSK 27735 1RB#24



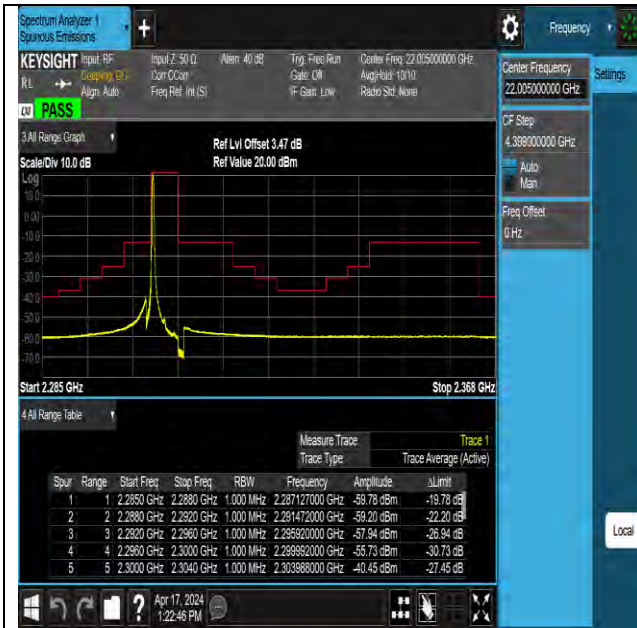
Band30 5MHz QPSK 27735 25RB#0





Reference No.: W7L-P24030018RF06

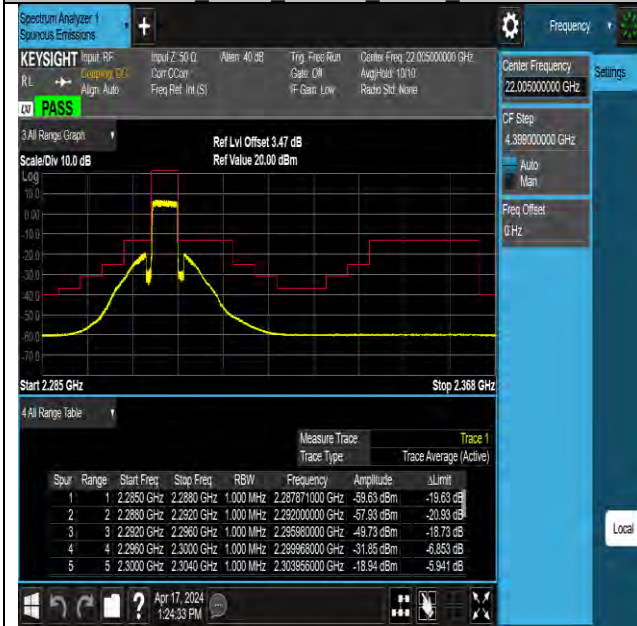
BUREAU VERITAS



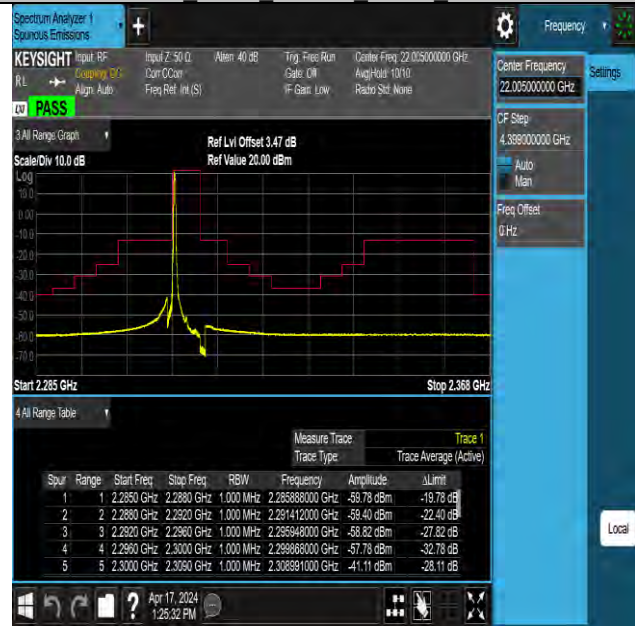
Band30 5MHz 16QAM 27685 1RB#0



Band30 5MHz 16QAM 27685 1RB#24



Band30 5MHz 16QAM 27685 25RB#0

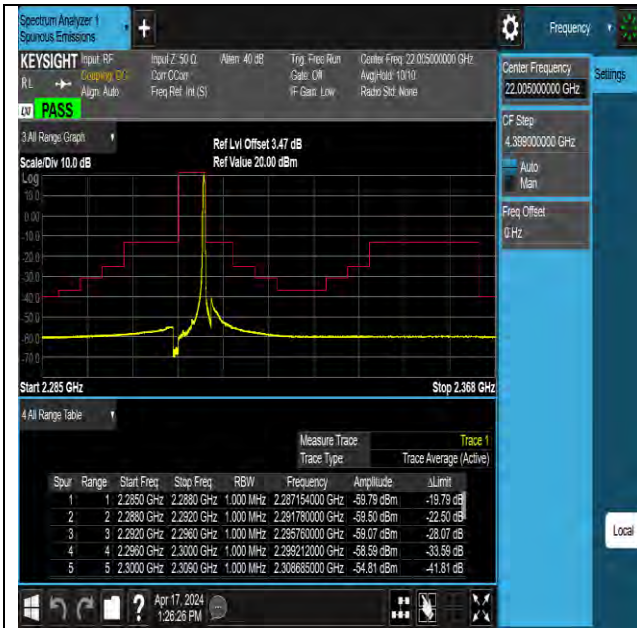


Band30 5MHz 16QAM 27735 1RB#0



Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band30 5MHz 16QAM 27735 1RB#24



Band30 5MHz 16QAM 27735 25RB#0



Band30 10MHz QPSK 27710 1RB#0



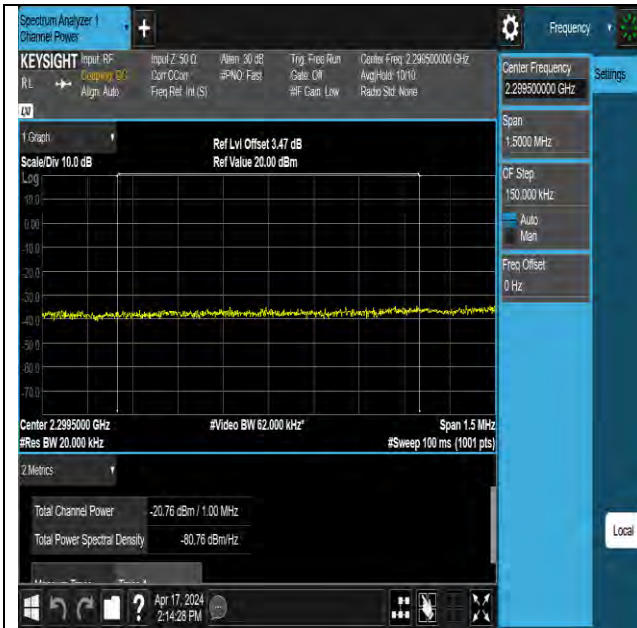
Band30 10MHz QPSK 27710 1RB#49





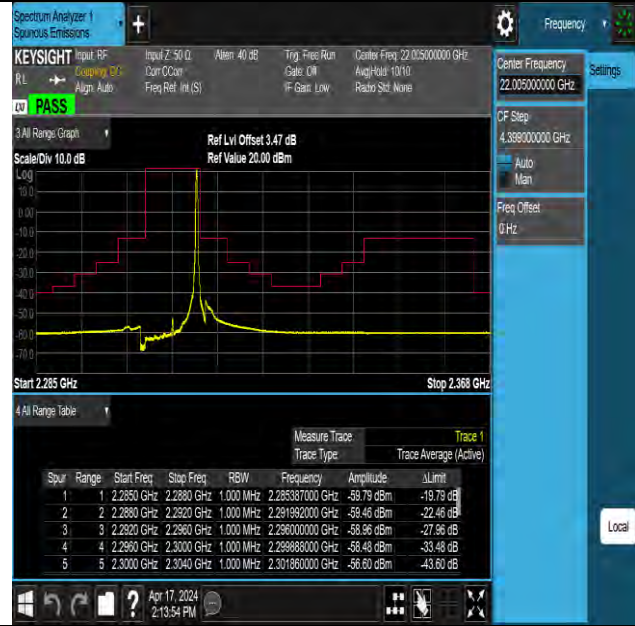
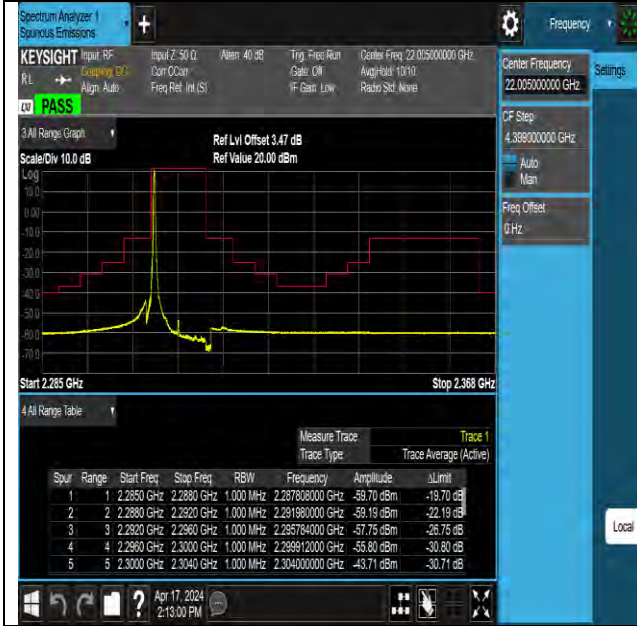
Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band30 10MHz QPSK 27710 50RB#0 Final1

Band30 10MHz QPSK 27710 50RB#0



Band30 10MHz 16QAM 27710 1RB#0

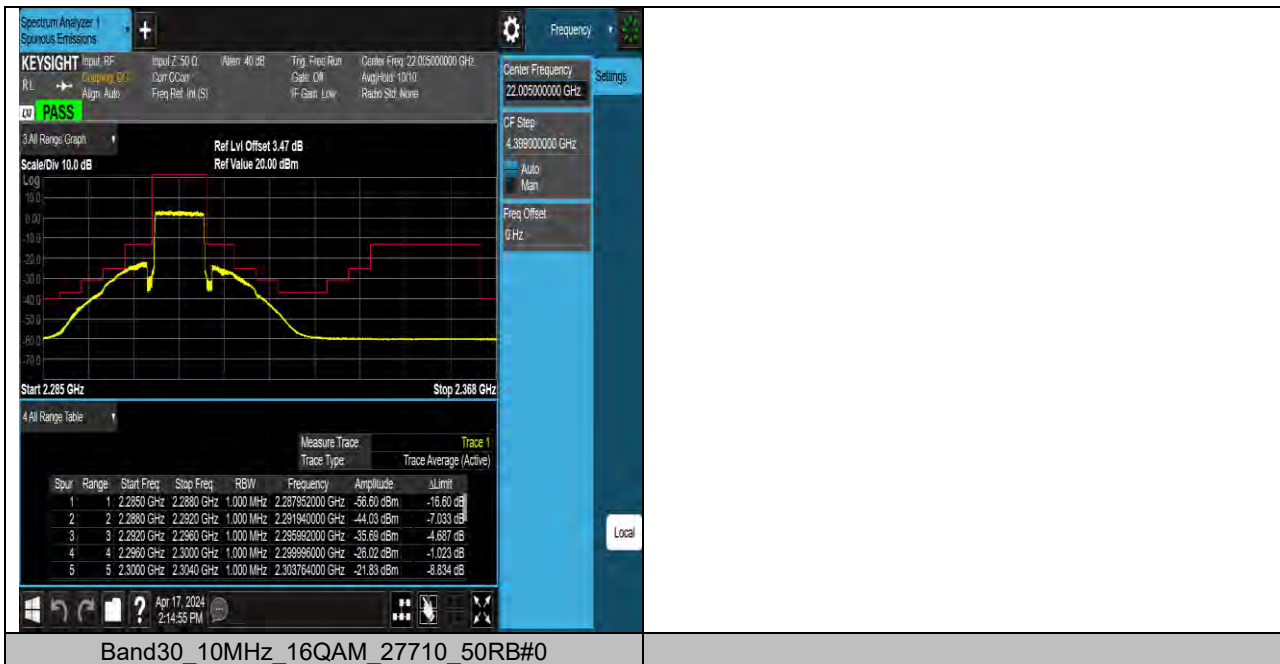
Band30 10MHz 16QAM 27710 1RB#49





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



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## CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	30~1000	-59.05	PASS
Band30	5MHz	QPSK	27685	1RB#0	1000~10000	-48.75	PASS
Band30	5MHz	QPSK	27685	1RB#0	10000~20000	-56.42	PASS
Band30	5MHz	QPSK	27685	1RB#0	20000~26500	-54.35	PASS
Band30	5MHz	QPSK	27710	1RB#0	30~1000	-59.04	PASS
Band30	5MHz	QPSK	27710	1RB#0	1000~10000	-48.81	PASS
Band30	5MHz	QPSK	27710	1RB#0	10000~20000	-56.35	PASS
Band30	5MHz	QPSK	27710	1RB#0	20000~26500	-54.20	PASS
Band30	5MHz	QPSK	27735	1RB#0	30~1000	-59.02	PASS
Band30	5MHz	QPSK	27735	1RB#0	1000~10000	-48.75	PASS
Band30	5MHz	QPSK	27735	1RB#0	10000~20000	-56.37	PASS
Band30	5MHz	QPSK	27735	1RB#0	20000~26500	-54.32	PASS
Band30	10MHz	QPSK	27710	1RB#0	30~1000	-59.15	PASS
Band30	10MHz	QPSK	27710	1RB#0	1000~10000	-48.67	PASS
Band30	10MHz	QPSK	27710	1RB#0	10000~20000	-56.44	PASS
Band30	10MHz	QPSK	27710	1RB#0	20000~26500	-54.33	PASS

## TEST GRAPHS





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band30\_5MHz\_QPSK\_27710\_1RB#0\_30~1000\_30~100 0



Band30\_5MHz\_QPSK\_27710\_1RB#0\_1000~10000\_100 0~10000



Band30\_5MHz\_QPSK\_27710\_1RB#0\_10000~20000\_10 000~20000



Band30\_5MHz\_QPSK\_27710\_1RB#0\_20000~26500\_20 000~26500



Band30\_5MHz\_QPSK\_27735\_1RB#0\_30~1000\_30~100 0



Band30\_5MHz\_QPSK\_27735\_1RB#0\_1000~10000\_100 0~10000



Band30\_5MHz\_QPSK\_27735\_1RB#0\_10000~20000\_10 000~20000



Band30\_5MHz\_QPSK\_27735\_1RB#0\_20000~26500\_20 000~26500





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



Band30\_10MHz\_QPSK\_27710\_1RB#0\_30~1000\_30~1000



Band30\_10MHz\_QPSK\_27710\_1RB#0\_1000~10000\_1000~10000



Band30\_10MHz\_QPSK\_27710\_1RB#0\_10000~20000\_10000~20000



Band30\_10MHz\_QPSK\_27710\_1RB#0\_20000~26500\_20000~26500



Reference No.: W7L-P24030018RF06

## 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
Band30	5MHz	QPSK	27685	25RB #0	VN	NT	-3440.00	-1.49	2305.25636	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	VL	NT	-4350.00	-1.89	2305.2548	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	VH	NT	-5100.00	-2.21	2305.25485	--	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	VN	NT	-3510.00	-1.52	--	2314.73349	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	VL	NT	-3190.00	-1.38	--	2314.73531	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	VH	NT	-1770.00	-0.77	--	2314.73653	2305-2315	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB #0	NV	-30	-4360.00	-1.89	2305.25494	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	-20	952.20	0.41	2305.25471	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	-10	-4820.00	-2.09	2305.25493	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	0	-3020.00	-1.31	2305.25728	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	10	-4540.00	-1.97	2305.25621	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	20	-5380.00	-2.33	2305.25187	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	30	-3370.00	-1.46	2305.25533	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	40	-3020.00	-1.31	2305.25733	--	2305-2315	PASS
Band30	5MHz	QPSK	27685	25RB #0	NV	50	-3460.00	-1.50	2305.25504	--	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	NV	-30	-890.00	-0.38	--	2314.73756	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	NV	-20	-1470.00	-0.64	--	2314.73623	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	NV	-10	-4150.00	-1.79	--	2314.73475	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	NV	0	-90.00	-0.04	--	2314.73671	2305-2315	PASS
Band30	5MHz	QPSK	27735	25RB #0	NV	10	-1590.00	-0.69	--	2314.73671	2305-2315	PASS



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VERITAS

Reference No.: W7L-P24030018RF06

0				#0			00			73431	2315	
Band3 0	5MHz	QPSK	27735	25RB #0	NV	20	-1320. 00	-0.57	--	2314. 73678	2305- 2315	PASS
Band3 0	5MHz	QPSK	27735	25RB #0	NV	30	-4440. 00	-1.92	--	2314. 73431	2305- 2315	PASS
Band3 0	5MHz	QPSK	27735	25RB #0	NV	40	-2820. 00	-1.22	--	2314. 73423	2305- 2315	PASS
Band3 0	5MHz	QPSK	27735	25RB #0	NV	50	-1730. 00	-0.75	--	2314. 73422	2305- 2315	PASS





Reference No.: W7L-P24030018RF06

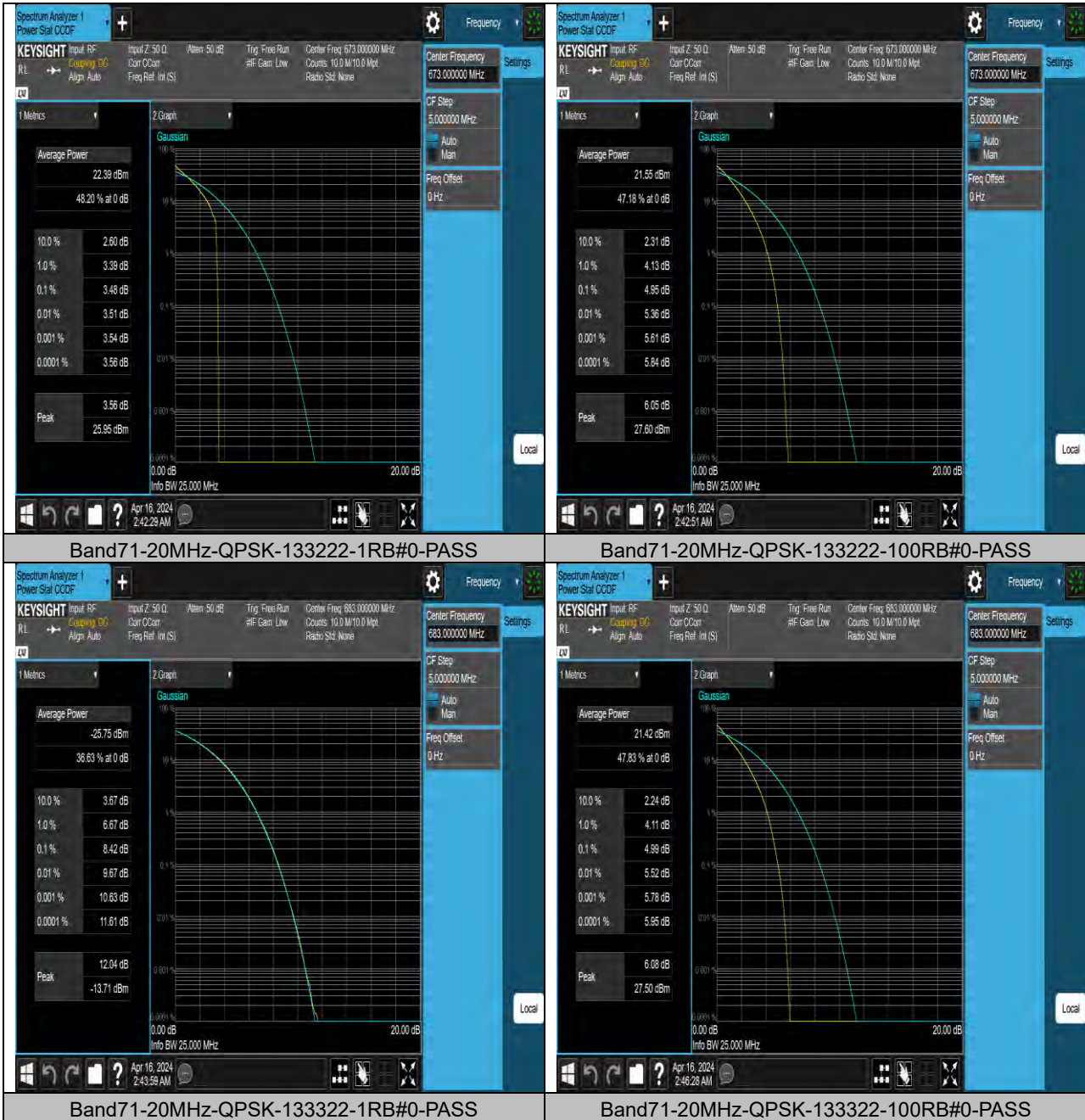
## LTE BAND 71

### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	1RB#0	3.48	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	4.95	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	8.42	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.99	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	8.42	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.01	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.39	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.70	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	8.43	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.80	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.08	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.81	13	PASS



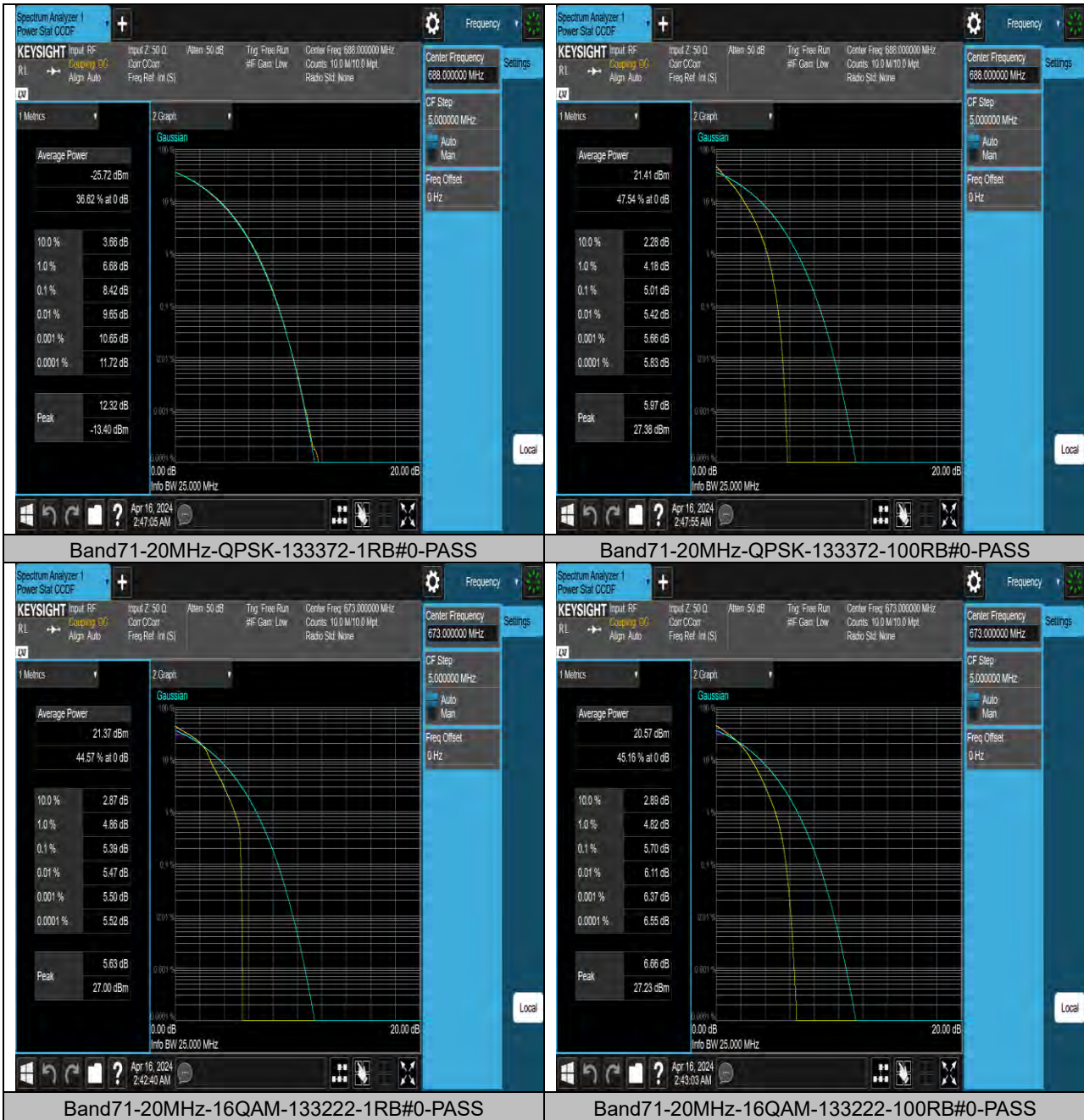
### TEST GRAPHS





BUREAU VERITAS

Reference No.: W7L-P24030018RF06







Reference No.: W7L-P24030018RF06

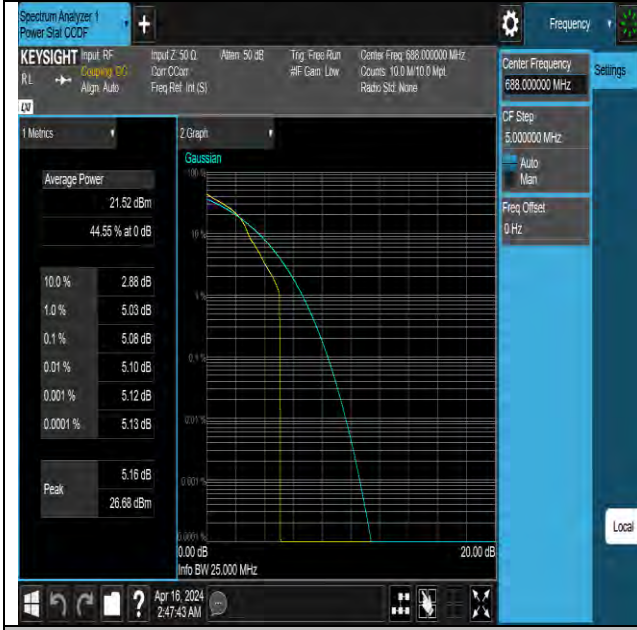
BUREAU VERITAS



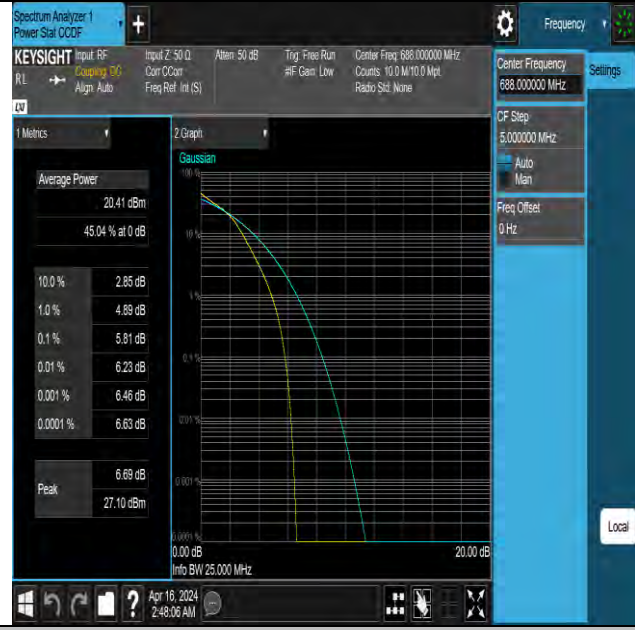
Band71-20MHz-16QAM-133322-1RB#0-PASS



Band71-20MHz-16QAM-133322-100RB#0-PASS



Band71-20MHz-16QAM-133372-1RB#0-PASS



Band71-20MHz-16QAM-133372-100RB#0-PASS



Reference No.: W7L-P24030018RF06

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5372	5.002	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5383	5.004	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5396	4.992	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5053	5.005	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5055	4.999	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5090	4.982	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9675	9.871	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9685	9.805	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9793	9.834	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9582	9.798	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9759	9.802	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9662	9.806	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.460	14.64	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.457	14.64	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.474	14.73	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.446	14.75	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.454	14.64	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.474	14.72	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.918	19.52	PASS
Band71	20MHz	QPSK	133322	100RB#0	27.482	40.00	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.951	19.47	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.884	19.44	PASS
Band71	20MHz	16QAM	133322	100RB#0	26.721	40.00	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.899	19.47	PASS



Reference No.: W7L-P24030018RF06

# TEST GRAPHS

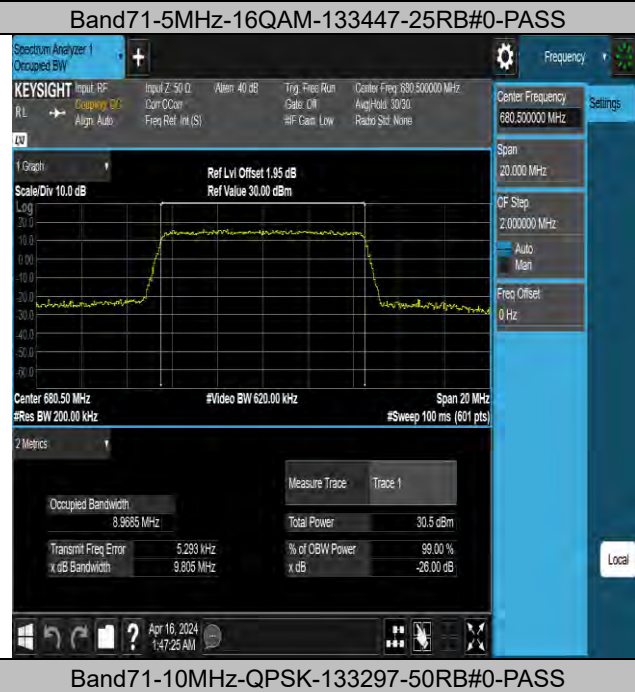
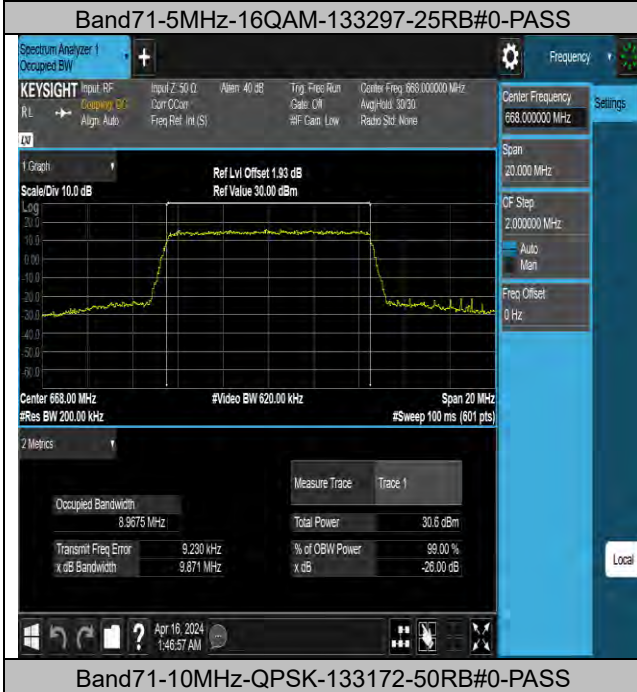
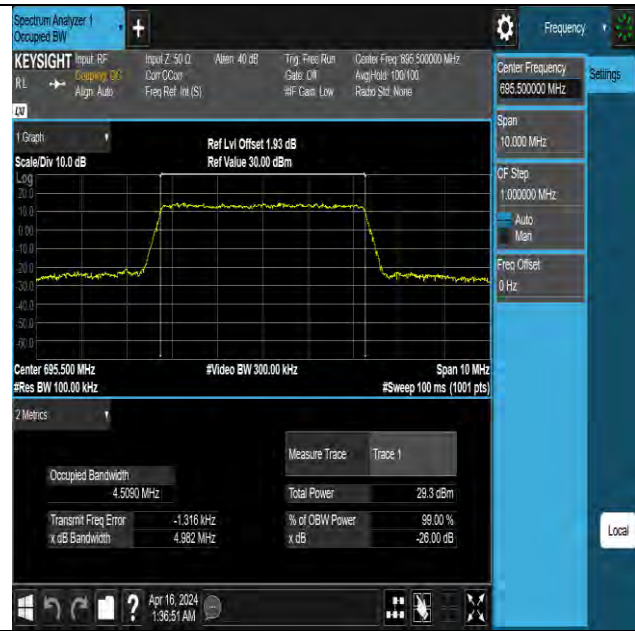






BUREAU VERITAS

Reference No.: W7L-P24030018RF06





BUREAU VERITAS

Reference No.: W7L-P24030018RF06



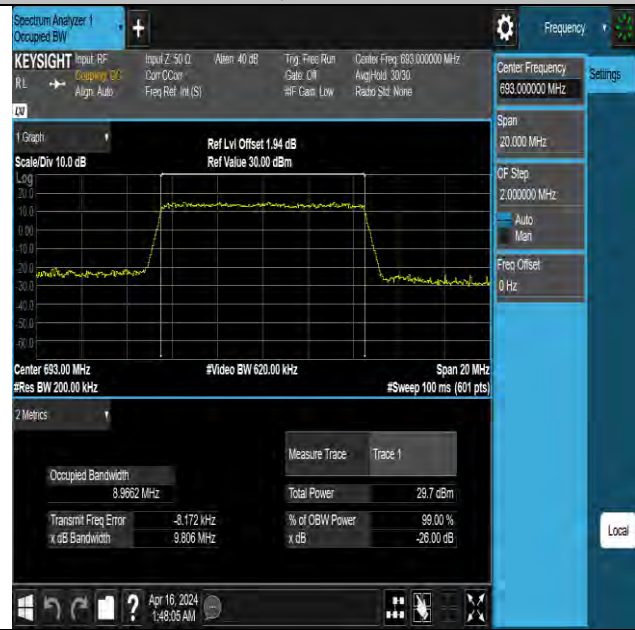
Band71-10MHz-QPSK-133422-50RB#0-PASS



Band71-10MHz-16QAM-133172-50RB#0-PASS



Band71-10MHz-16QAM-133297-50RB#0-PASS



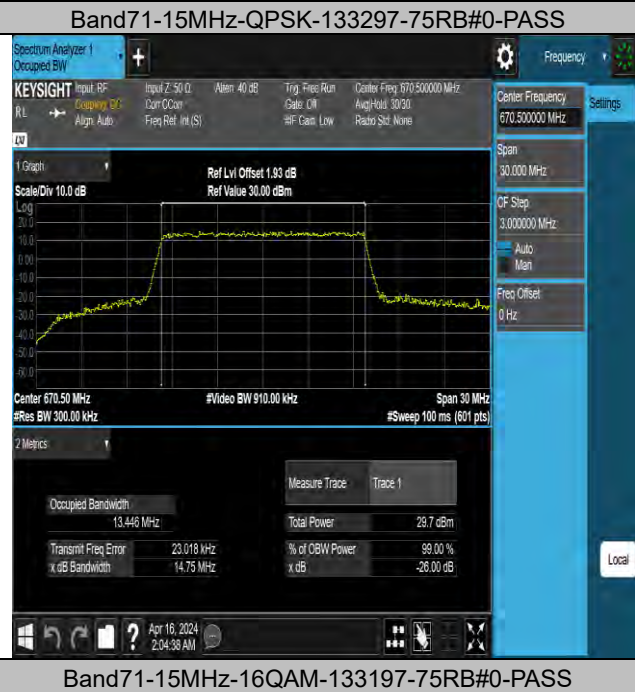
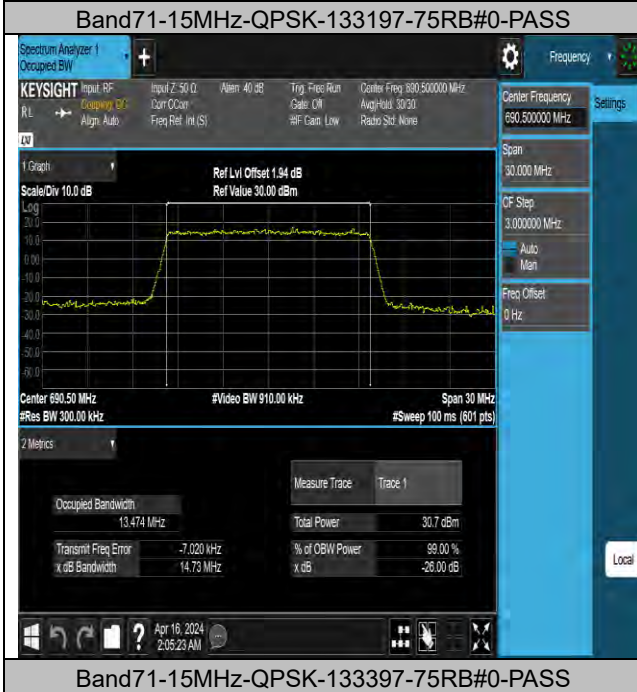
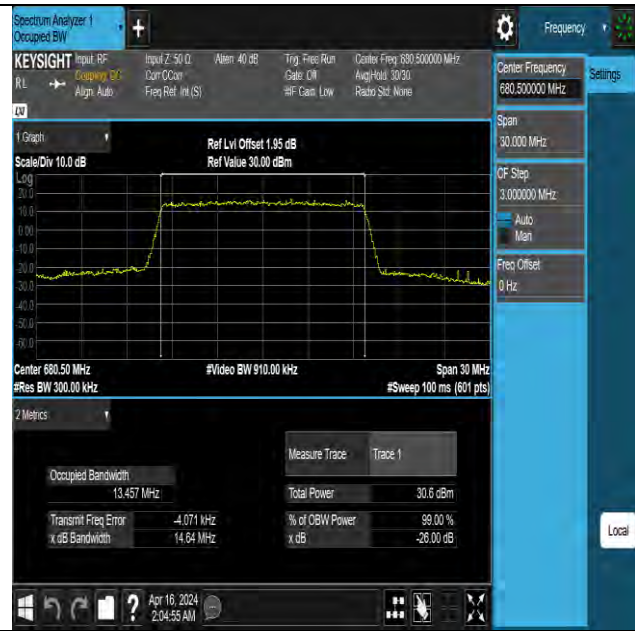
Band71-10MHz-16QAM-133422-50RB#0-PASS





Reference No.: W7L-P24030018RF06

BUREAU VERITAS

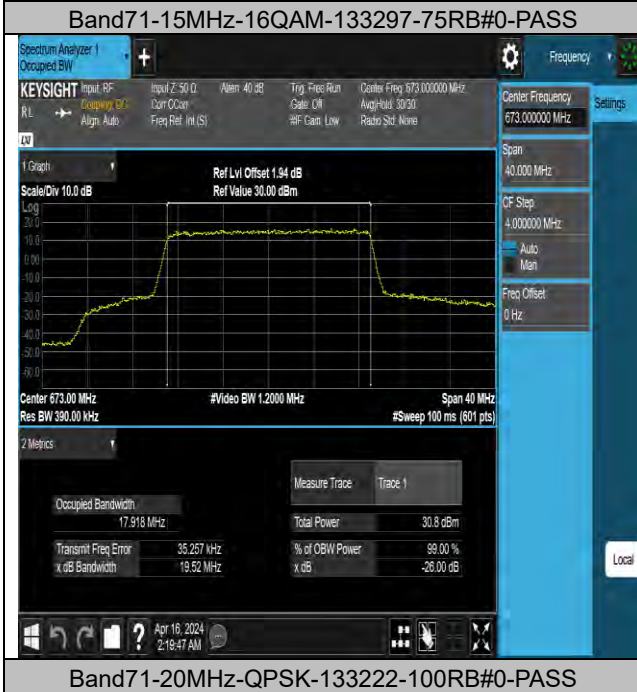






BUREAU VERITAS

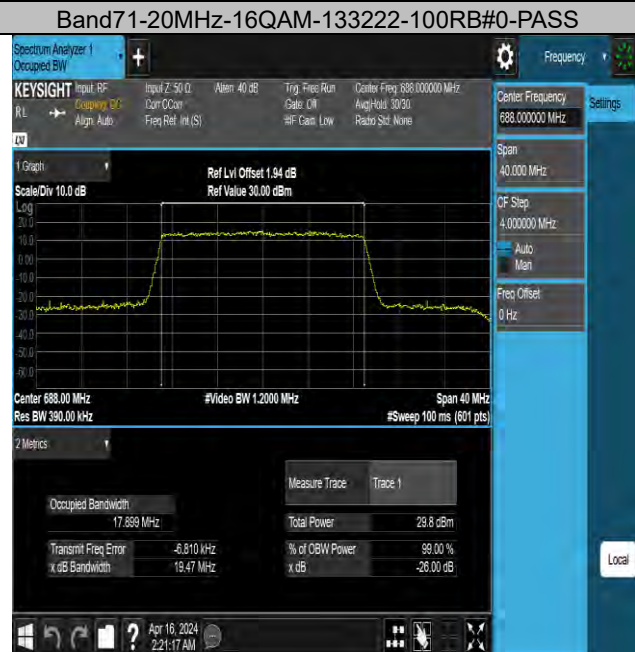
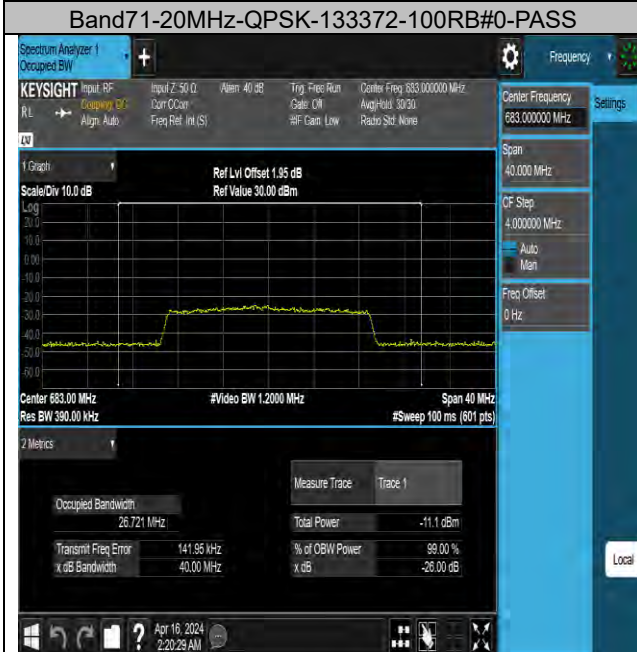
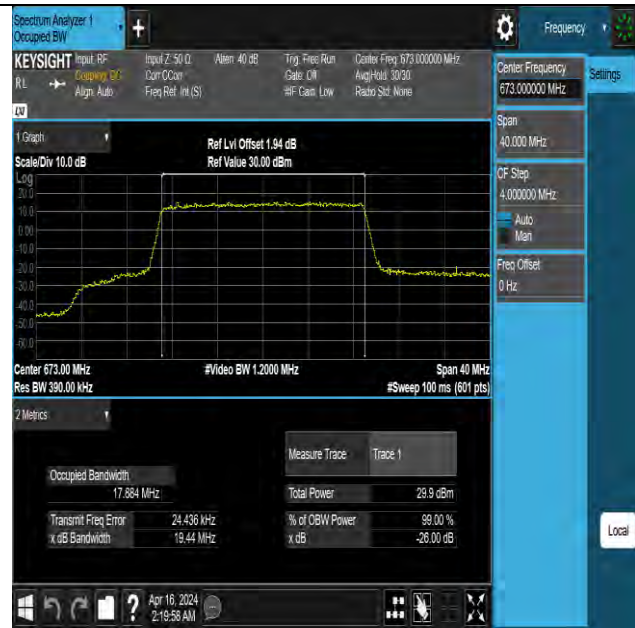
Reference No.: W7L-P24030018RF06





Reference No.: W7L-P24030018RF06

BUREAU VERITAS





Reference No.: W7L-P24030018RF06

## BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	-29.16	PASS
Band71	5MHz	QPSK	133147	25RB#0	-35.07	PASS
Band71	5MHz	QPSK	133447	1RB#24	-28.59	PASS
Band71	5MHz	QPSK	133447	25RB#0	-37.39	PASS
Band71	5MHz	16QAM	133147	1RB#0	-32.28	PASS
Band71	5MHz	16QAM	133147	25RB#0	-37.83	PASS
Band71	5MHz	16QAM	133447	1RB#24	-30.09	PASS
Band71	5MHz	16QAM	133447	25RB#0	-37.83	PASS
Band71	10MHz	QPSK	133172	1RB#0	-42.59	PASS
Band71	10MHz	QPSK	133172	50RB#0	-38.41	PASS
Band71	10MHz	QPSK	133422	1RB#49	-42.28	PASS
Band71	10MHz	QPSK	133422	50RB#0	-41.11	PASS
Band71	10MHz	16QAM	133172	1RB#0	-43.97	PASS
Band71	10MHz	16QAM	133172	50RB#0	-39.63	PASS
Band71	10MHz	16QAM	133422	1RB#49	-44.13	PASS
Band71	10MHz	16QAM	133422	50RB#0	-41.71	PASS
Band71	15MHz	QPSK	133197	1RB#0	-43.12	PASS
Band71	15MHz	QPSK	133197	75RB#0	-38.31	PASS
Band71	15MHz	QPSK	133397	1RB#74	-44.82	PASS
Band71	15MHz	QPSK	133397	75RB#0	-41.03	PASS
Band71	15MHz	16QAM	133197	1RB#0	-45.13	PASS
Band71	15MHz	16QAM	133197	75RB#0	-40.94	PASS
Band71	15MHz	16QAM	133397	1RB#74	-44.79	PASS
Band71	15MHz	16QAM	133397	75RB#0	-43.36	PASS
Band71	20MHz	QPSK	133222	1RB#0	-63.26	PASS
Band71	20MHz	QPSK	133222	100RB#0	-38.67	PASS
Band71	20MHz	QPSK	133372	1RB#99	-46.16	PASS
Band71	20MHz	QPSK	133372	100RB#0	-39.15	PASS
Band71	20MHz	16QAM	133222	1RB#0	-47.32	PASS
Band71	20MHz	16QAM	133222	100RB#0	-42.21	PASS
Band71	20MHz	16QAM	133372	1RB#99	-47.51	PASS
Band71	20MHz	16QAM	133372	100RB#0	-41.42	PASS

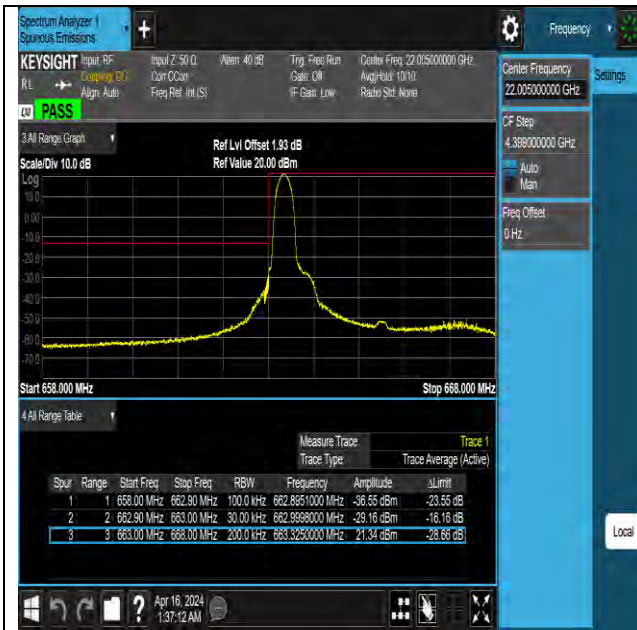




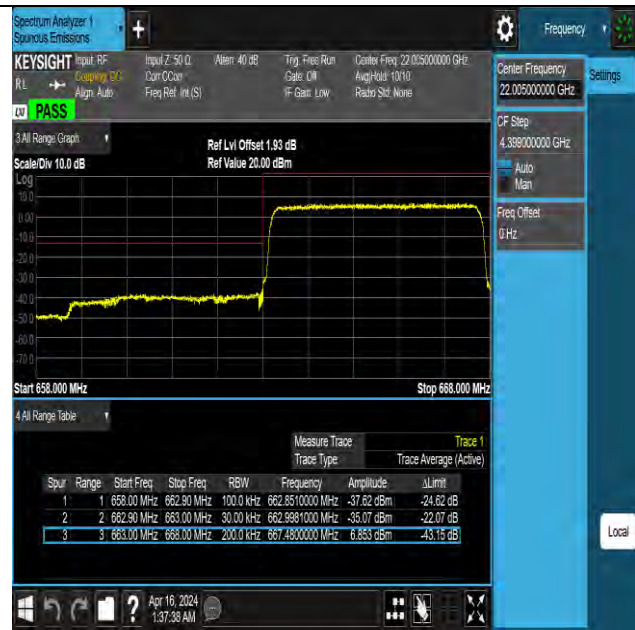
Reference No.: W7L-P24030018RF06

BUREAU VERITAS

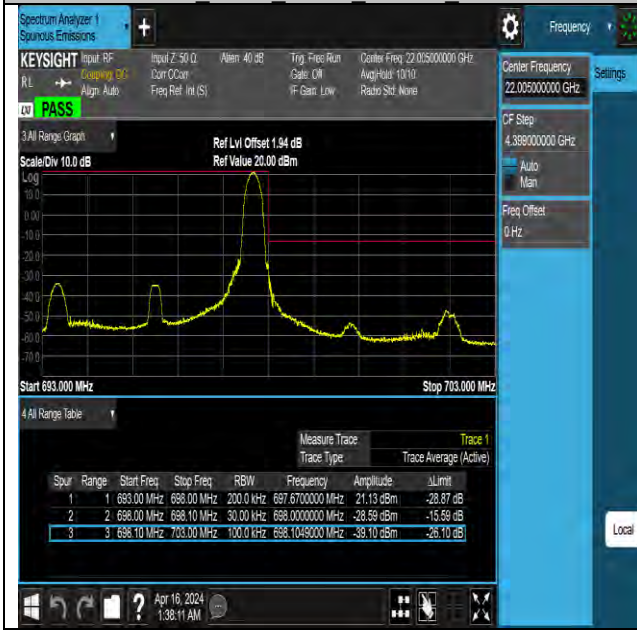
### TEST GRAPHS



Band71 5MHz QPSK 133147 1RB#0



Band71 5MHz QPSK 133147 25RB#0



Band71 5MHz QPSK 133447 1RB#24



Band71 5MHz QPSK 133447 25RB#0



Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band71 5MHz 16QAM 133147 1RB#0



Band71 5MHz 16QAM 133147 25RB#0



Band71 5MHz 16QAM 133447 1RB#24



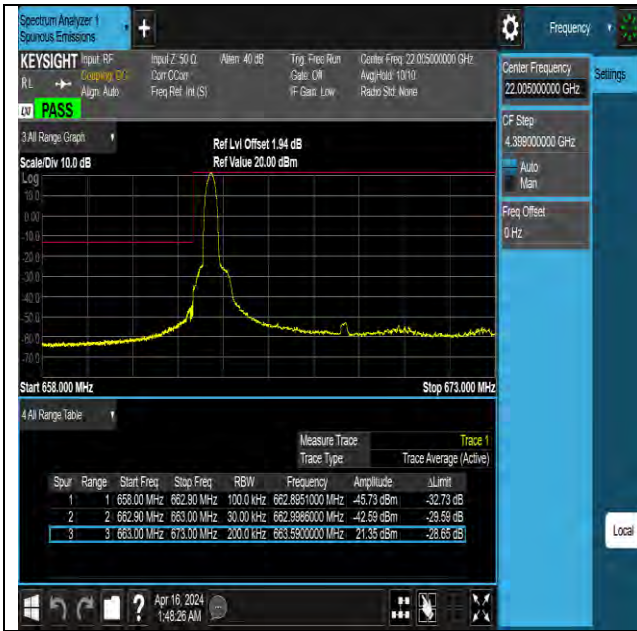
Band71 5MHz 16QAM 133447 25RB#0





Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band71 10MHz QPSK 133172 1RB#0



Band71 10MHz QPSK 133172 50RB#0



Band71 10MHz QPSK 133422 1RB#49



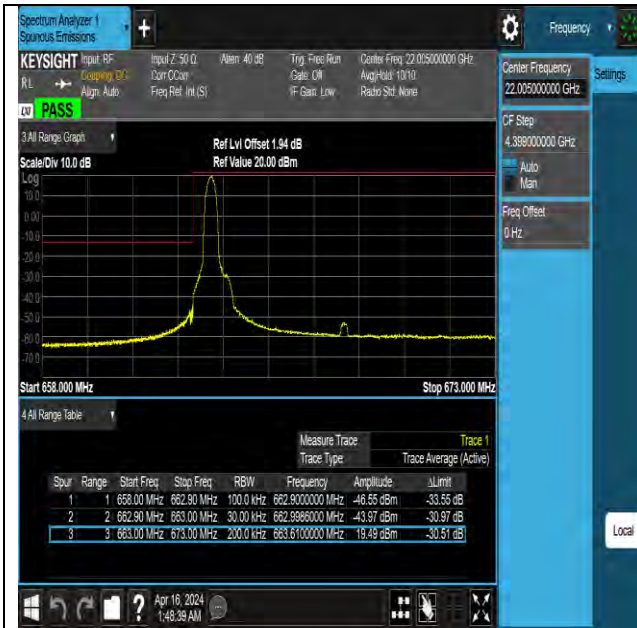
Band71 10MHz QPSK 133422 50RB#0





Reference No.: W7L-P24030018RF06

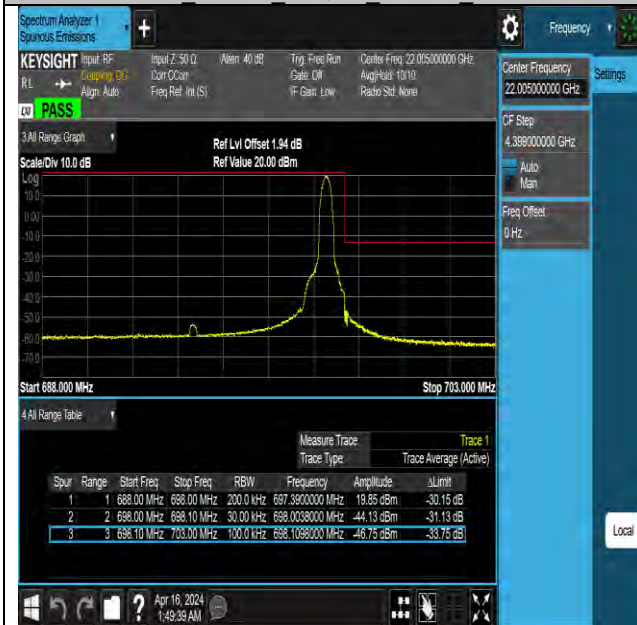
BUREAU VERITAS



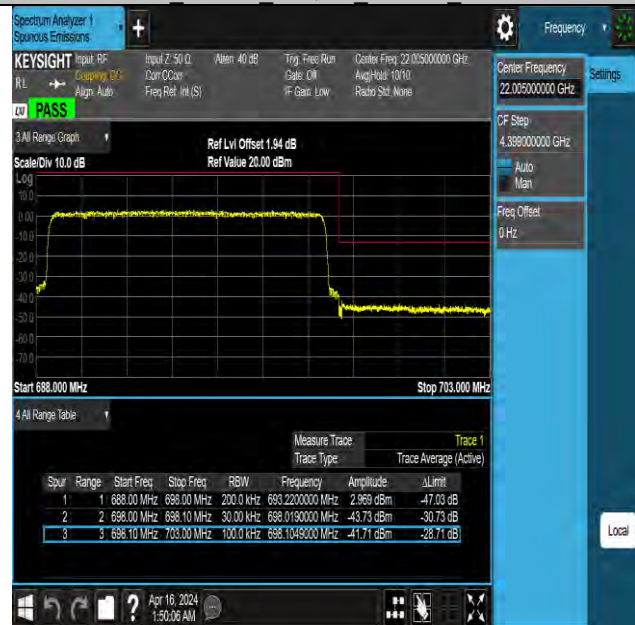
Band71 10MHz 16QAM 133172 1RB#0



Band71 10MHz 16QAM 133172 50RB#0



Band71 10MHz 16QAM 133422 1RB#49



Band71 10MHz 16QAM 133422 50RB#0



Reference No.: W7L-P24030018RF06

BUREAU VERITAS



Band71 15MHz QPSK 133197 1RB#0



Band71 15MHz QPSK 133197 75RB#0



Band71 15MHz QPSK 133397 1RB#74



Band71 15MHz QPSK 133397 75RB#0