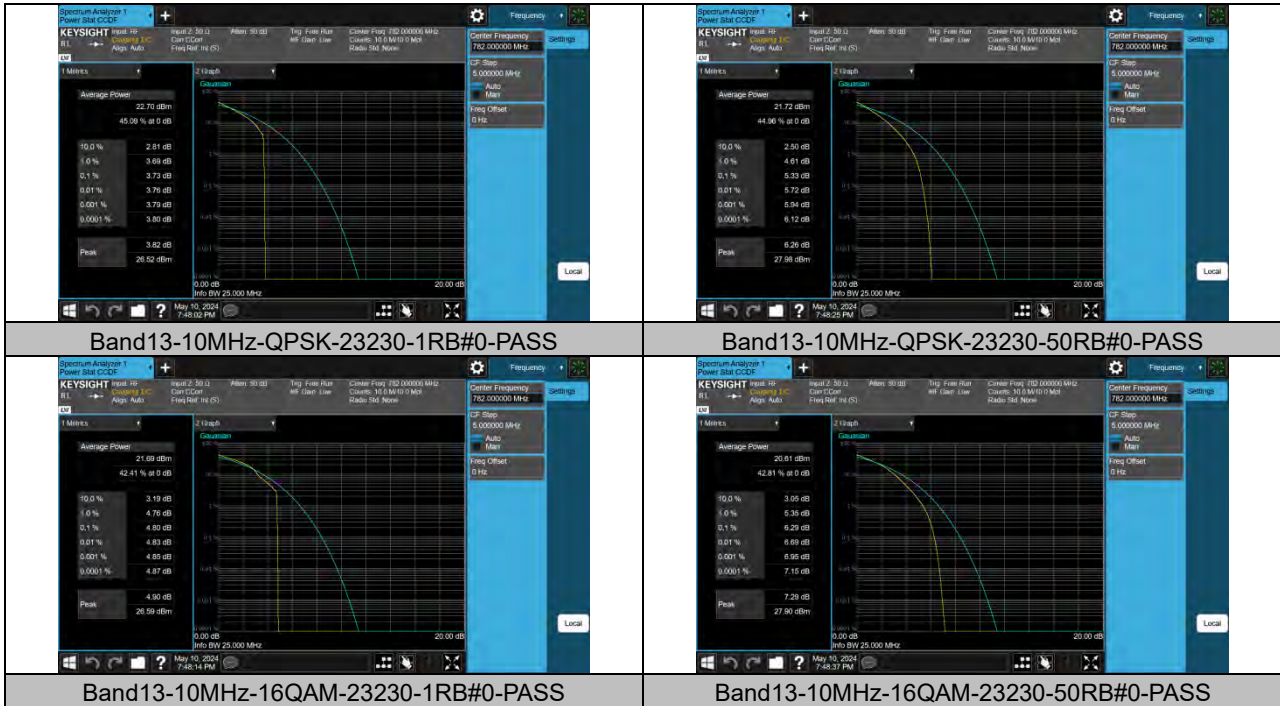


TEST GRAPHS





Reference No.: W7L-240430W002RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

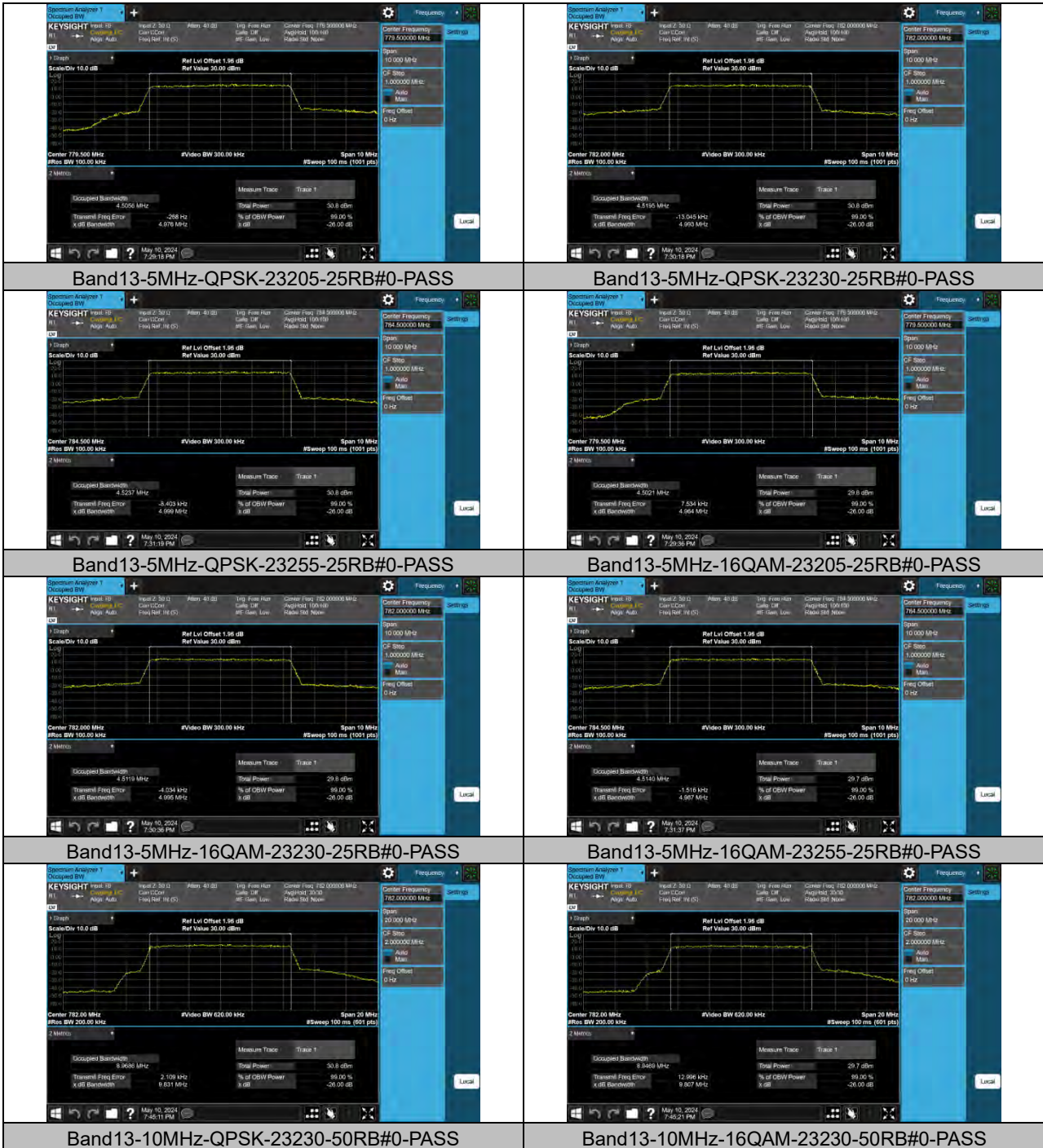
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5056	4.976	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5195	4.993	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5237	4.999	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5021	4.964	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5119	4.995	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5140	4.987	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9686	9.831	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9469	9.807	PASS



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Reference No.: W7L-240430W002RF04

TEST GRAPHS





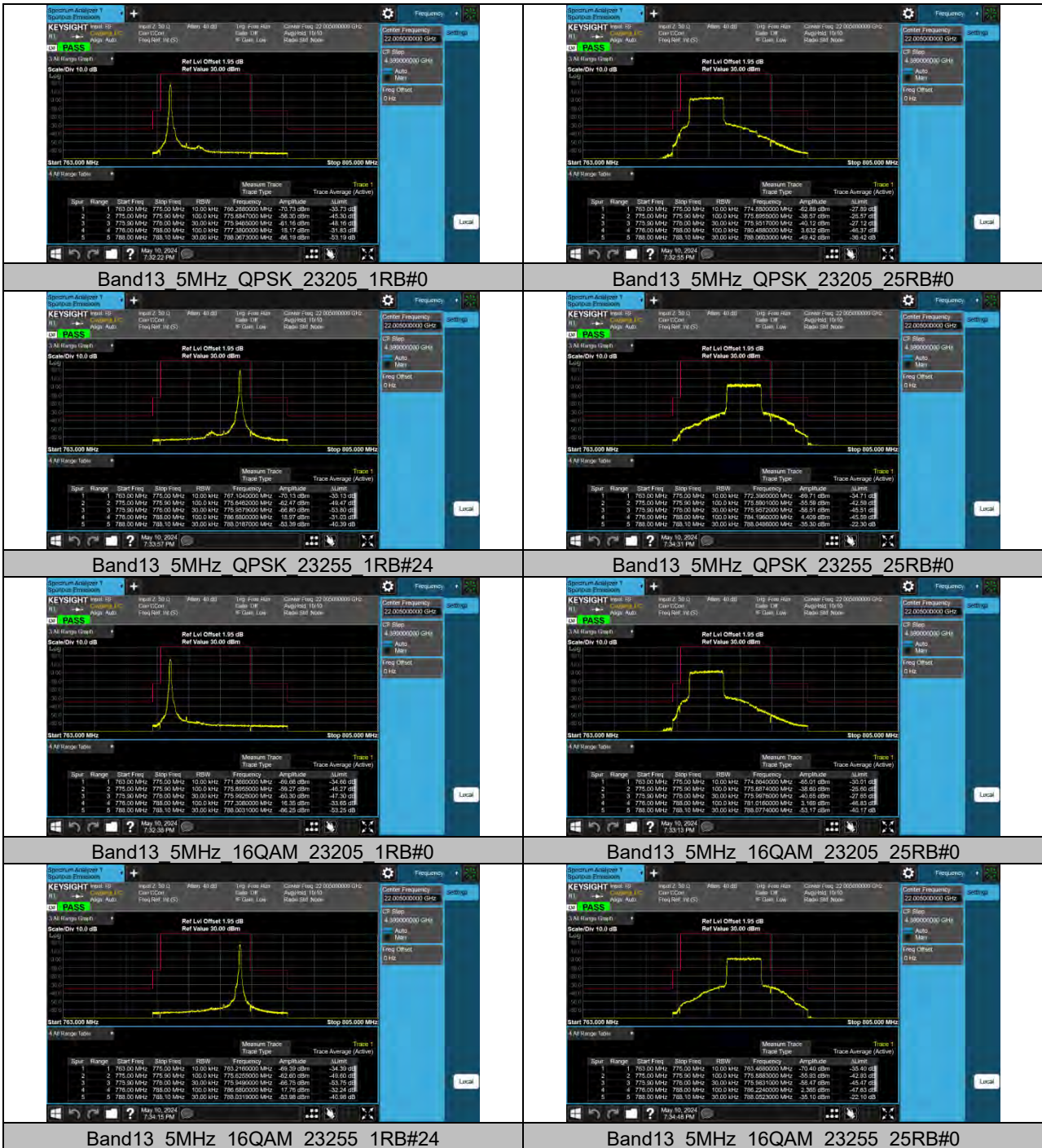
Reference No.: W7L-240430W002RF04

BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-70.16	PASS
Band13	5MHz	QPSK	23205	25RB#0	-38.57	PASS
Band13	5MHz	QPSK	23255	1RB#24	-69.99	PASS
Band13	5MHz	QPSK	23255	25RB#0	-32.00	PASS
Band13	5MHz	16QAM	23205	1RB#0	-69.66	PASS
Band13	5MHz	16QAM	23205	25RB#0	-38.60	PASS
Band13	5MHz	16QAM	23255	1RB#24	-69.39	PASS
Band13	5MHz	16QAM	23255	25RB#0	-32.20	PASS
Band13	10MHz	QPSK	23230	1RB#0	-70.20	PASS
Band13	10MHz	QPSK	23230	1RB#49	-69.89	PASS
Band13	10MHz	QPSK	23230	50RB#0	-32.63	PASS
Band13	10MHz	16QAM	23230	1RB#0	-70.53	PASS
Band13	10MHz	16QAM	23230	1RB#49	-69.94	PASS
Band13	10MHz	16QAM	23230	50RB#0	-33.11	PASS



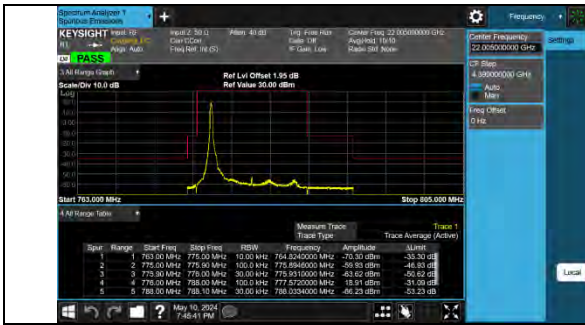
TEST GRAPHS



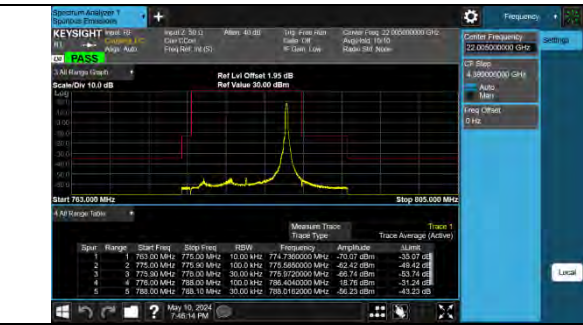


BUREAU VERITAS

Reference No.: W7L-240430W002RF04



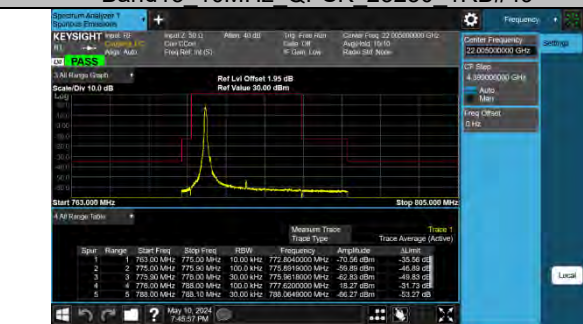
Band13 10MHz QPSK 23230 1RB#0



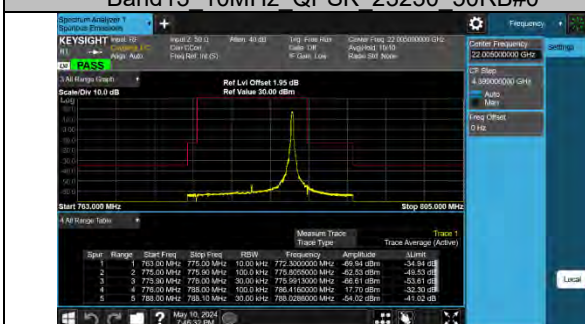
Band13 10MHz QPSK 23230 1RB#49



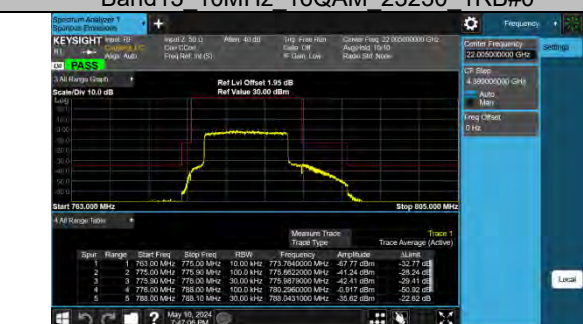
Band13 10MHz QPSK 23230 50RB#0



Band13 10MHz 16QAM 23230 1RB#0



Band13 10MHz 16QAM 23230 1RB#49



Band13 10MHz 16QAM 23230 50RB#0



Reference No.: W7L-240430W002RF04

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-58.17	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~10000	-38.93	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-58.18	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~10000	-38.91	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-58.14	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~10000	-39.02	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-58.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~10000	-39.00	PASS



TEST GRAPHS





Reference No.: W7L-240430W002RF04

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	937.65	1.20	777.26622	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	897.39	1.15	777.26304	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	779.79	1.00	777.26704	---	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-4250.00	-5.417463	---	786.7373	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-2330.00	-2.970045	---	786.73812	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-4640.00	-5.914595	---	786.73601	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	936.43	1.20	777.26611	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	786.90	1.01	777.26516	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	628.06	0.81	777.26645	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	602.26	0.77	777.26349	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	570.79	0.73	777.26395	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	554.29	0.71	777.26523	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	560.02	0.72	777.26857	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	508.72	0.65	777.26561	---	777-787	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	468.30	0.60	777.26785	---	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	891.99	1.14	---	786.73966	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	780.38	0.99	---	786.73712	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	596.92	0.76	---	786.73608	777-787	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	443.3	0.57	---	786.7	777-787	PASS



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3				#0			1			3859	87	
Band1 3	5MHz	QPSK	23255	25RB #0	NV	10	285.4 4	0.36	---	786.7 3915	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	20	182.7 1	0.23	---	786.7 3941	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	30	64.17	0.08	---	786.7 379	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	40	-44.19	-0.06	---	786.7 3891	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	50	-27.74	-0.04	---	786.7 3763	777-7 87	PASS



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LTE BAND71

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

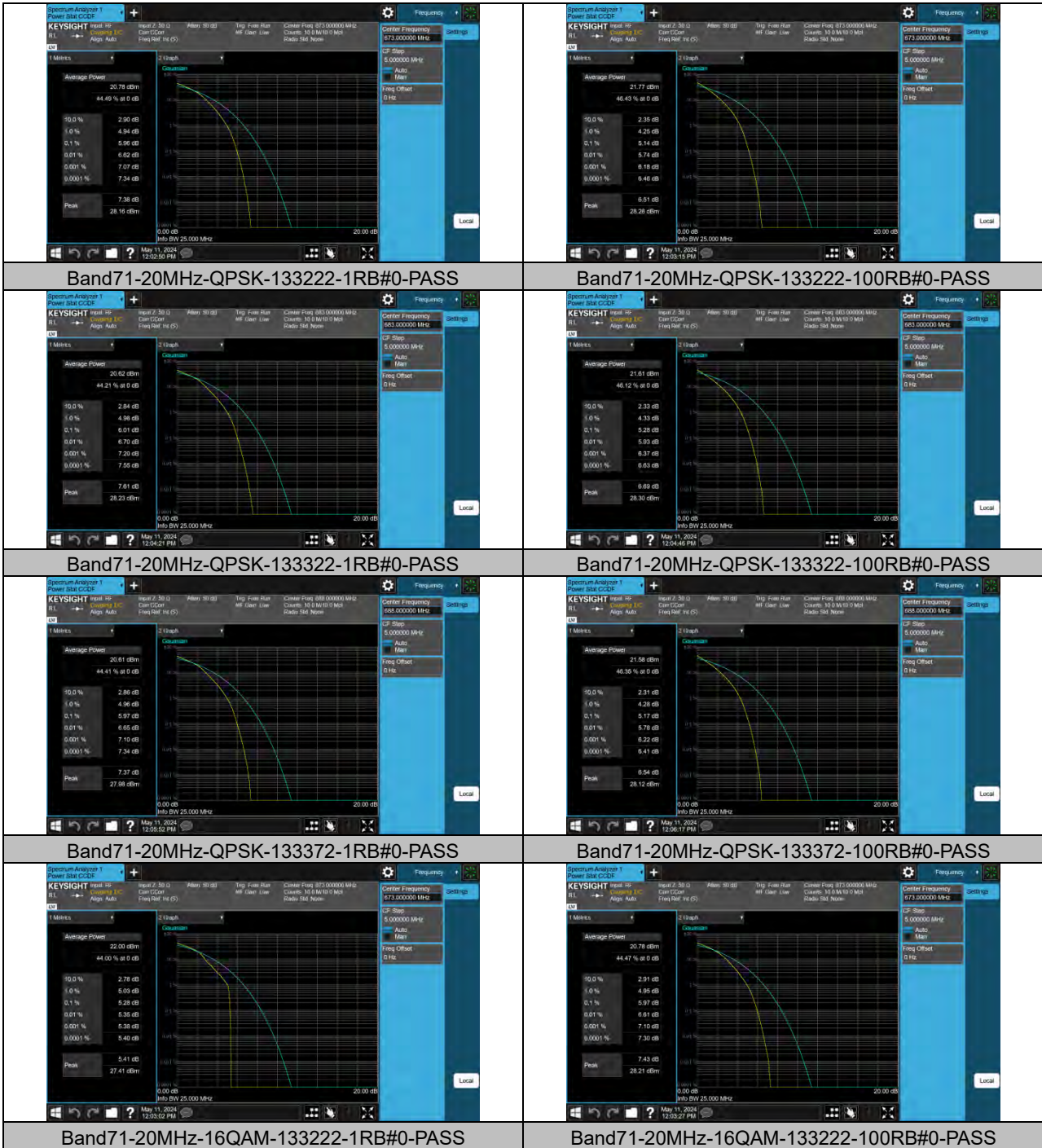
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	1RB#0	5.96	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.14	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	6.01	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.28	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.97	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.17	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.28	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.97	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.45	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.00	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.41	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.98	13	PASS



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Reference No.: W7L-240430W002RF04



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-240430W002RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

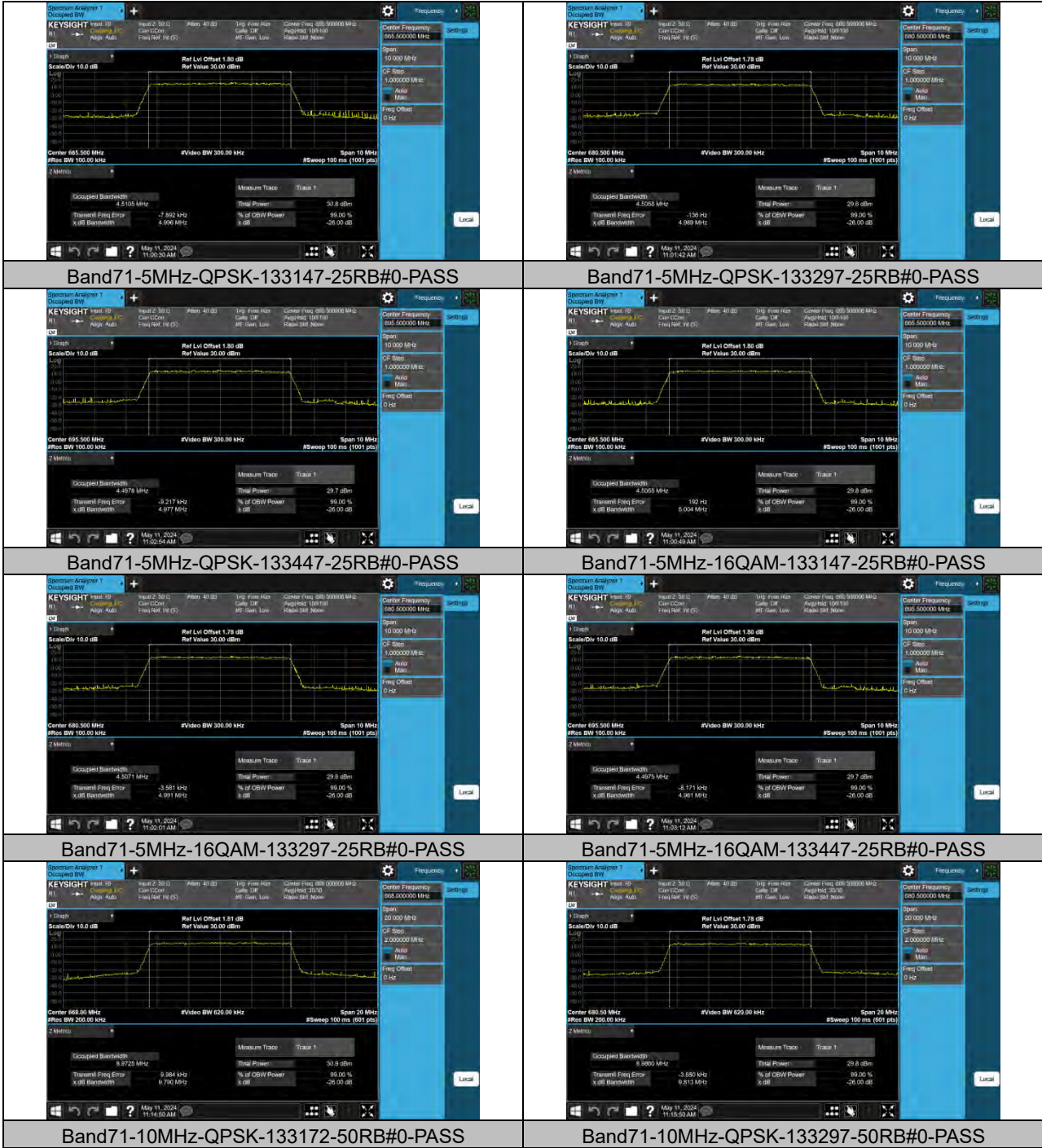
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5105	4.996	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5058	4.989	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.4978	4.977	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5055	5.004	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5071	4.991	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.4975	4.961	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9725	9.790	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9860	9.813	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9733	9.827	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9805	9.776	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9779	9.822	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9645	9.814	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.470	14.67	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.447	14.68	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.467	14.73	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.466	14.65	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.447	14.66	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.471	14.75	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.895	19.57	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.912	19.43	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.920	19.49	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.907	19.44	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.920	19.39	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.918	19.46	PASS



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



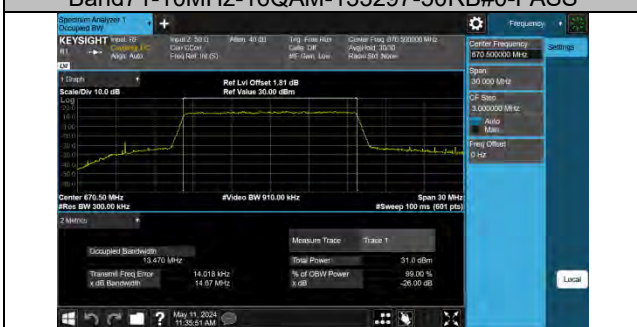
Band71-10MHz-16QAM-133172-50RB#0-PASS



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



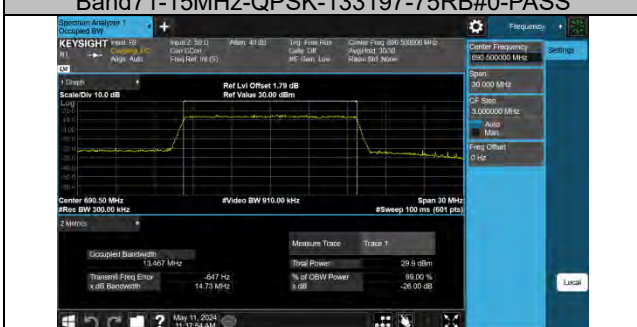
Band71-10MHz-16QAM-133422-50RB#0-PASS



Band71-15MHz-QPSK-133197-75RB#0-PASS



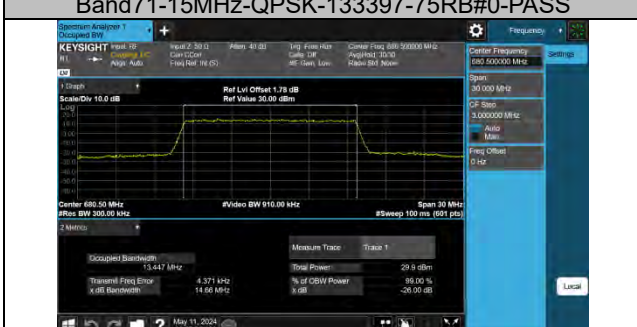
Band71-15MHz-QPSK-133297-75RB#0-PASS



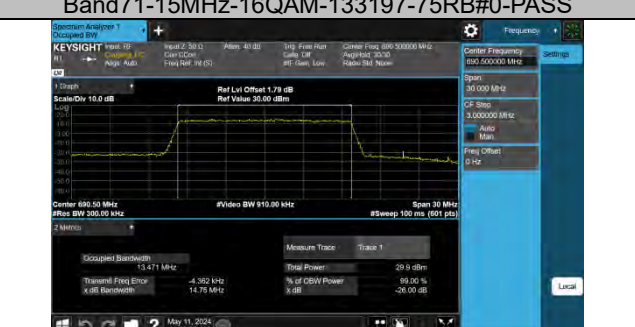
Band71-15MHz-QPSK-133397-75RB#0-PASS



Band71-15MHz-16QAM-133197-75RB#0-PASS



Band71-15MHz-16QAM-133297-75RB#0-PASS



Band71-15MHz-16QAM-133397-75RB#0-PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF04



Band71-20MHz-QPSK-133222-100RB#0-PASS



Band71-20MHz-QPSK-133322-100RB#0-PASS



Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133222-100RB#0-PASS



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



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



Reference No.: W7L-240430W002RF04

BAND EDGE TEST RESULT

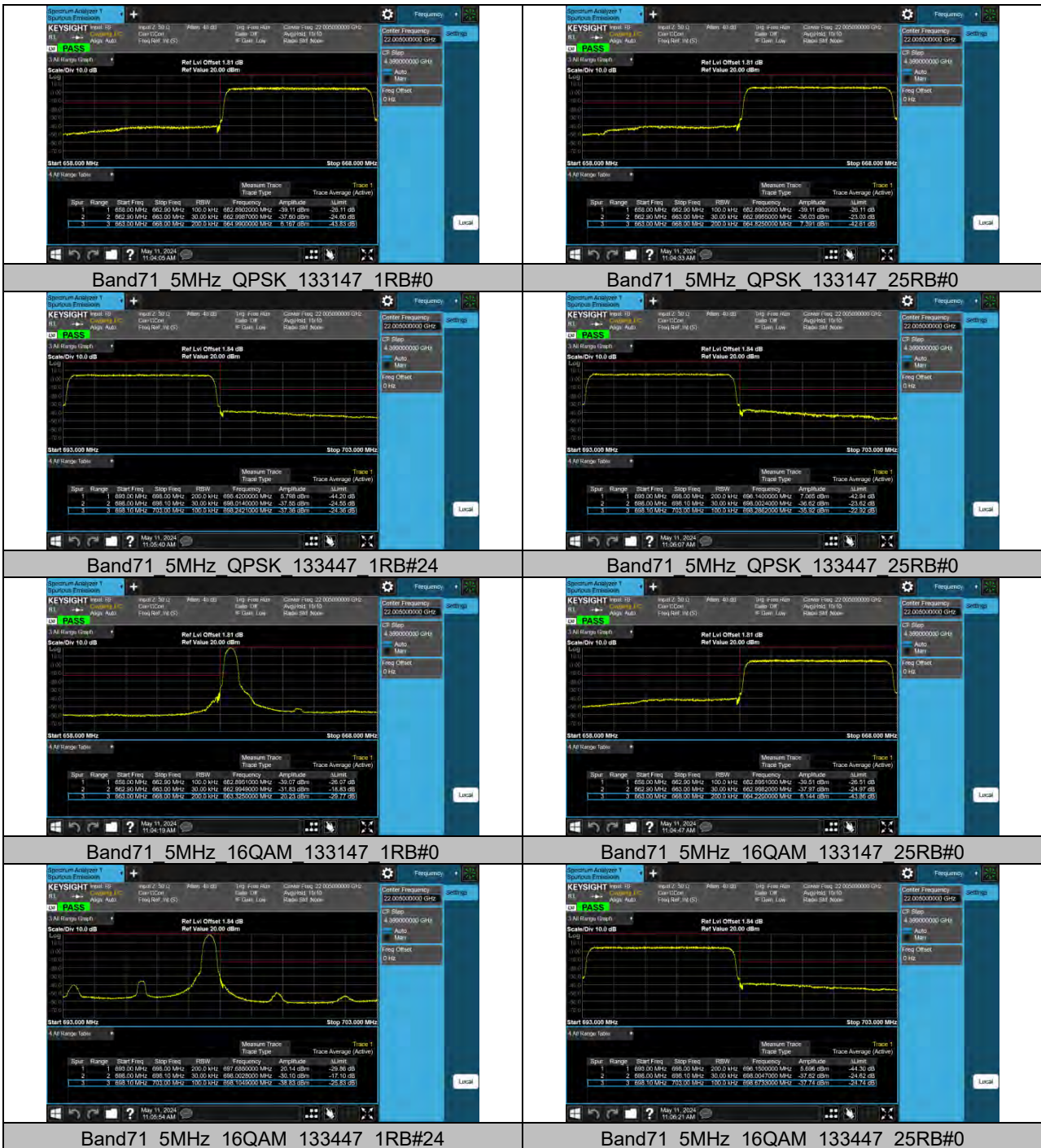
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	-37.60	PASS
Band71	5MHz	QPSK	133147	25RB#0	-36.03	PASS
Band71	5MHz	QPSK	133447	1RB#24	-37.36	PASS
Band71	5MHz	QPSK	133447	25RB#0	-35.92	PASS
Band71	5MHz	16QAM	133147	1RB#0	-31.83	PASS
Band71	5MHz	16QAM	133147	25RB#0	-37.97	PASS
Band71	5MHz	16QAM	133447	1RB#24	-30.10	PASS
Band71	5MHz	16QAM	133447	25RB#0	-37.62	PASS
Band71	10MHz	QPSK	133172	1RB#0	-39.18	PASS
Band71	10MHz	QPSK	133172	50RB#0	-37.19	PASS
Band71	10MHz	QPSK	133422	1RB#49	-40.96	PASS
Band71	10MHz	QPSK	133422	50RB#0	-38.90	PASS
Band71	10MHz	16QAM	133172	1RB#0	-43.59	PASS
Band71	10MHz	16QAM	133172	50RB#0	-39.43	PASS
Band71	10MHz	16QAM	133422	1RB#49	-44.06	PASS
Band71	10MHz	16QAM	133422	50RB#0	-40.12	PASS
Band71	15MHz	QPSK	133197	1RB#0	-40.20	PASS
Band71	15MHz	QPSK	133197	75RB#0	-39.03	PASS
Band71	15MHz	QPSK	133397	1RB#74	-40.07	PASS
Band71	15MHz	QPSK	133397	75RB#0	-39.91	PASS
Band71	15MHz	16QAM	133197	1RB#0	-45.98	PASS
Band71	15MHz	16QAM	133197	75RB#0	-40.07	PASS
Band71	15MHz	16QAM	133397	1RB#74	-44.47	PASS
Band71	15MHz	16QAM	133397	75RB#0	-40.25	PASS
Band71	20MHz	QPSK	133222	1RB#0	-41.09	PASS
Band71	20MHz	QPSK	133222	100RB#0	-37.81	PASS
Band71	20MHz	QPSK	133372	1RB#99	-39.25	PASS
Band71	20MHz	QPSK	133372	100RB#0	-38.86	PASS
Band71	20MHz	16QAM	133222	1RB#0	-46.10	PASS
Band71	20MHz	16QAM	133222	100RB#0	-41.16	PASS
Band71	20MHz	16QAM	133372	1RB#99	-47.48	PASS
Band71	20MHz	16QAM	133372	100RB#0	-39.73	PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF04

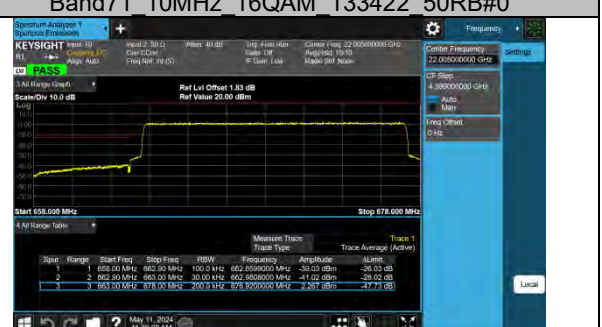
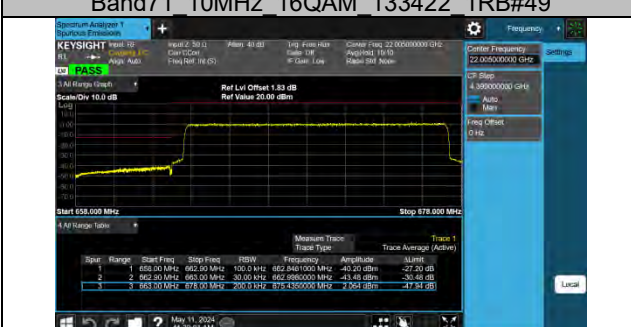
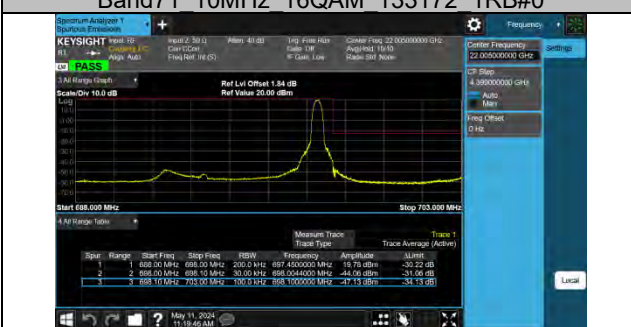
TEST GRAPHS





**BUREAU
VERITAS**

Reference No.: W7L-240430W002RF04



BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



BUREAU VERITAS

Reference No.: W7L-240430W002RF04



BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU VERITAS

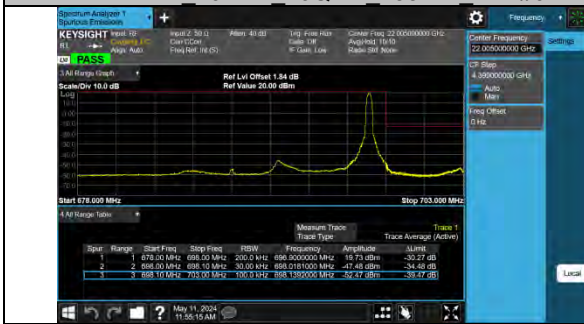
Reference No.: W7L-240430W002RF04



Band71_20MHz_16QAM_133222_1RB#0



Band71_20MHz_16QAM_133222_100RB#0



Band71_20MHz_16QAM_133372_1RB#99



Band71_20MHz_16QAM_133372_100RB#0

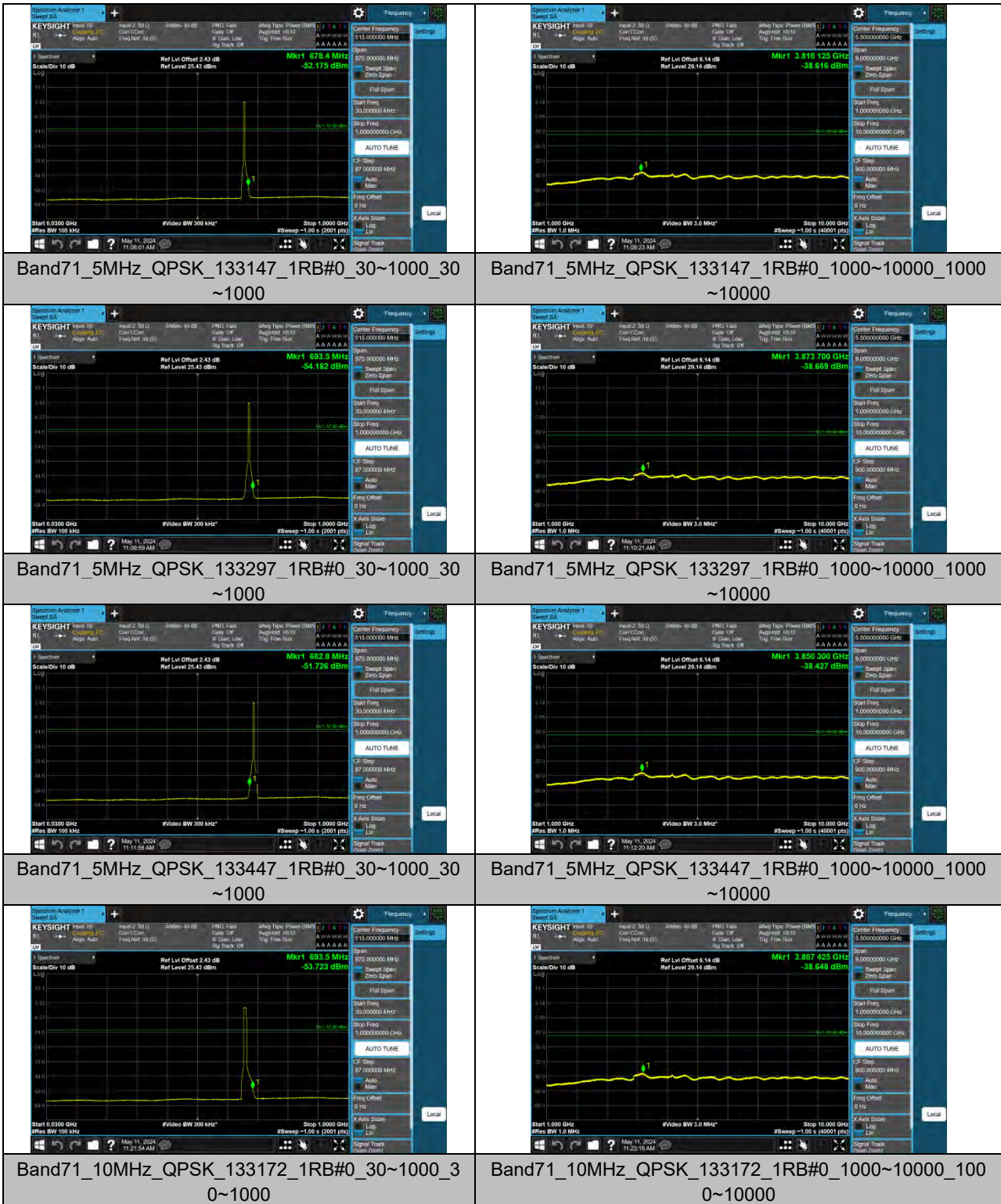


Reference No.: W7L-240430W002RF04

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	30~1000	-52.18	PASS
Band71	5MHz	QPSK	133147	1RB#0	1000~10000	-38.62	PASS
Band71	5MHz	QPSK	133297	1RB#0	30~1000	-54.18	PASS
Band71	5MHz	QPSK	133297	1RB#0	1000~10000	-38.67	PASS
Band71	5MHz	QPSK	133447	1RB#0	30~1000	-51.73	PASS
Band71	5MHz	QPSK	133447	1RB#0	1000~10000	-38.43	PASS
Band71	10MHz	QPSK	133172	1RB#0	30~1000	-53.72	PASS
Band71	10MHz	QPSK	133172	1RB#0	1000~10000	-38.65	PASS
Band71	10MHz	QPSK	133297	1RB#0	30~1000	-55.78	PASS
Band71	10MHz	QPSK	133297	1RB#0	1000~10000	-38.72	PASS
Band71	10MHz	QPSK	133422	1RB#0	30~1000	-55.55	PASS
Band71	10MHz	QPSK	133422	1RB#0	1000~10000	-38.65	PASS
Band71	15MHz	QPSK	133197	1RB#0	30~1000	-57.94	PASS
Band71	15MHz	QPSK	133197	1RB#0	1000~10000	-38.52	PASS
Band71	15MHz	QPSK	133297	1RB#0	30~1000	-58.88	PASS
Band71	15MHz	QPSK	133297	1RB#0	1000~10000	-38.44	PASS
Band71	15MHz	QPSK	133397	1RB#0	30~1000	-58.87	PASS
Band71	15MHz	QPSK	133397	1RB#0	1000~10000	-38.57	PASS
Band71	20MHz	QPSK	133222	1RB#0	30~1000	-58.89	PASS
Band71	20MHz	QPSK	133222	1RB#0	1000~10000	-38.47	PASS
Band71	20MHz	QPSK	133322	1RB#0	30~1000	-58.72	PASS
Band71	20MHz	QPSK	133322	1RB#0	1000~10000	-38.52	PASS
Band71	20MHz	QPSK	133372	1RB#0	30~1000	-58.85	PASS
Band71	20MHz	QPSK	133372	1RB#0	1000~10000	-38.50	PASS

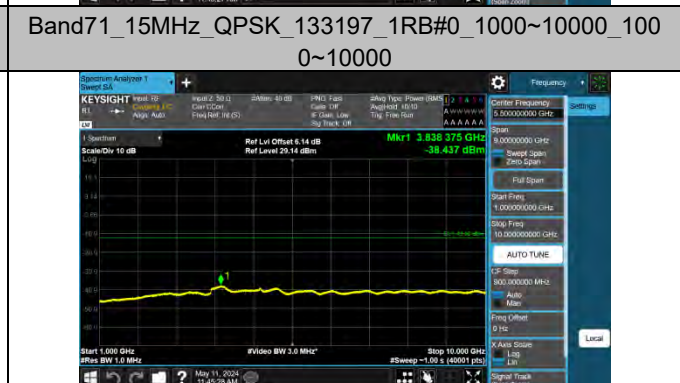
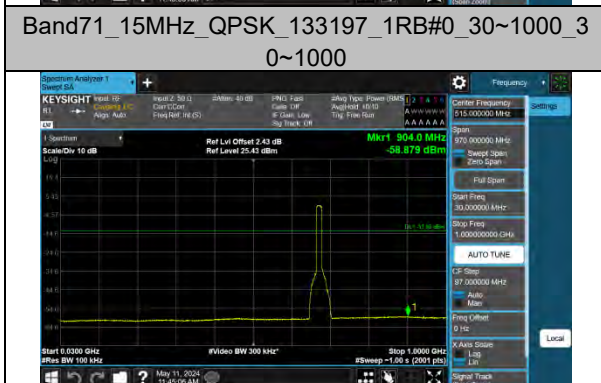
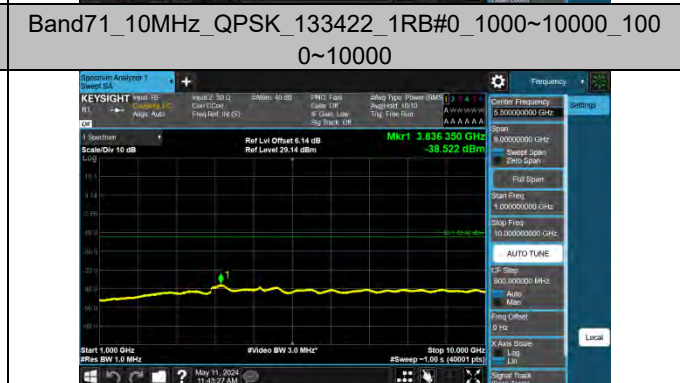
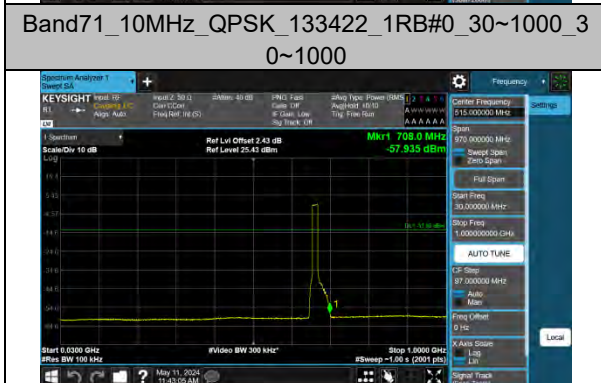
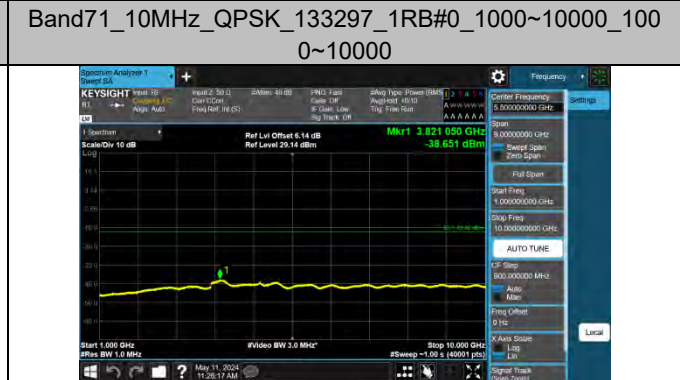
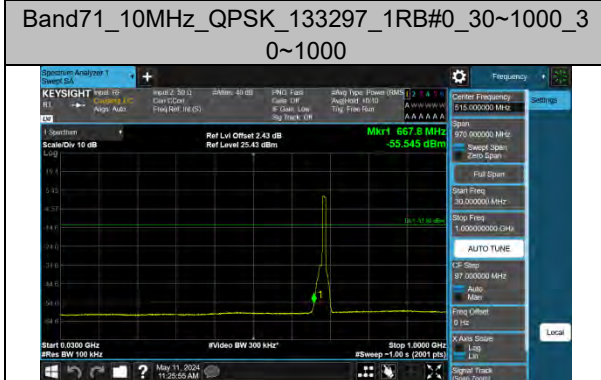
TEST GRAPHS





BUREAU VERITAS

Reference No.: W7L-240430W002RF04





BUREAU VERITAS

Reference No.: W7L-240430W002RF04



Band71_15MHz_QPSK_133397_1RB#0_30~1000_3 0~1000



Band71_15MHz_QPSK_133397_1RB#0_1000~10000_100 0~10000



Band71_20MHz_QPSK_133222_1RB#0_30~1000_3 0~1000



Band71_20MHz_QPSK_133222_1RB#0_1000~10000_100 0~10000



Band71_20MHz_QPSK_133322_1RB#0_30~1000_3 0~1000



Band71_20MHz_QPSK_133322_1RB#0_1000~10000_100 0~10000



Band71_20MHz_QPSK_133372_1RB#0_30~1000_3 0~1000



Band71_20MHz_QPSK_133372_1RB#0_1000~10000_100 0~10000



**BUREAU
VERITAS**

Reference No.: W7L-240430W002RF04

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
Band7 1	10MH z	QPSK	13317 2	50RB #0	VN	NT	945.1 2	1.41	663.5 3119	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	VL	NT	873.7 7	1.31	663.5 3498	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	VH	NT	766.5 8	1.15	663.5 3581	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	VN	NT	952.3 0	1.37	---	697.4 5998	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	VL	NT	909.9 5	1.31	---	697.4 6656	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	VH	NT	754.6 2	1.09	---	697.4 63	663-6 98	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	-30	1570. 00	2.350 299	663.5 3182	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	-20	1850. 00	2.769 461	663.5 3535	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	-10	8040. 00	12.03 5928	663.5 3764	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	0	-900.0 0	-1.347 305	663.5 3415	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	10	5570. 00	8.338 323	663.5 3747	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	20	4590. 00	6.871 257	663.5 3879	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	30	4940. 00	7.395 210	663.5 3609	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	40	220.0 0	0.329 341	663.5 3552	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13317 2	50RB #0	NV	50	3700. 00	5.538 922	663.5 345	---	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	NV	-30	-4820. 00	-6.955 267	---	697.4 5998	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	NV	-20	-1500. 00	-2.164 502	---	697.4 6145	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	NV	-10	-3360. 00	-4.848 485	---	697.4 5959	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	NV	0	-2320. 00	-3.347 763	---	697.4 6588	663-6 98	PASS
Band7 1	10MH z	QPSK	13342 2	50RB #0	NV	10	560.0 0	0.808 081	---	697.4 6551	663-6 98	PASS