



Reference No.: W7L-240430W002RF03



## APPENDIX C

### WCDMA BAND2

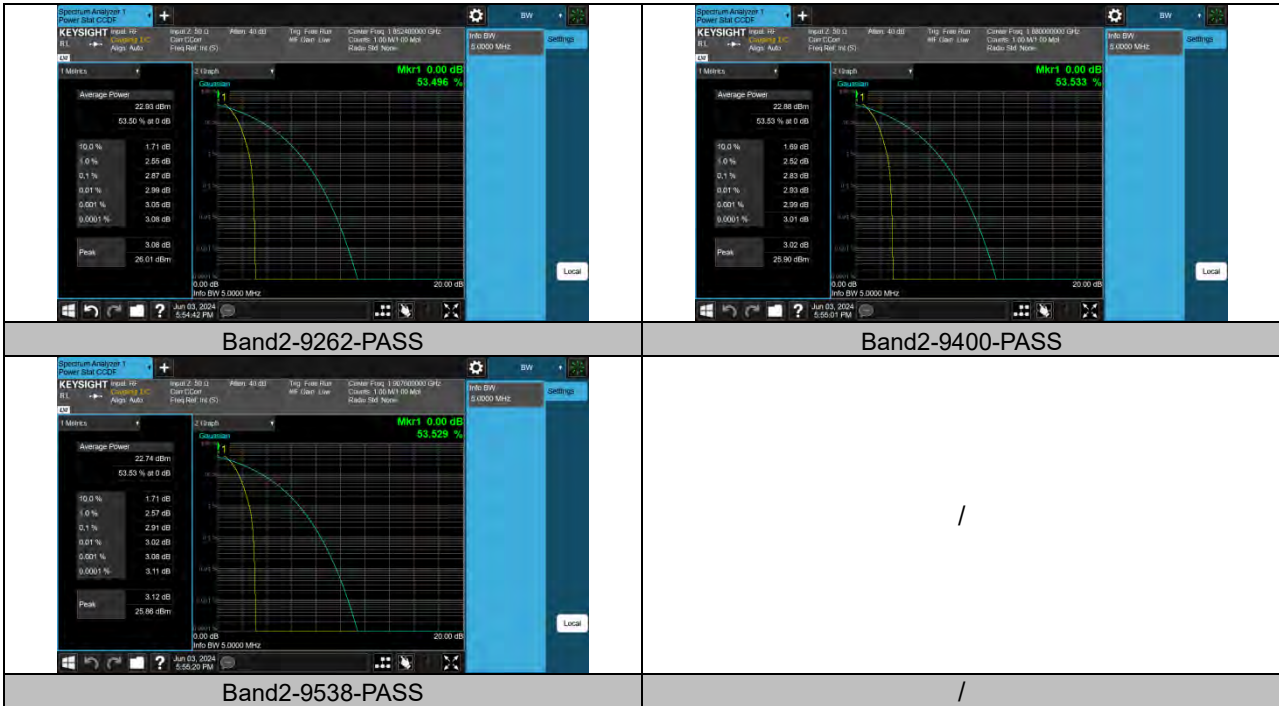
#### PEAK-TO-AVERAGE RATIO TEST RESULT

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.87	13	PASS
Band2	9400	2.83	13	PASS
Band2	9538	2.91	13	PASS



Reference No.: W7L-240430W002RF03

## TEST GRAPHS



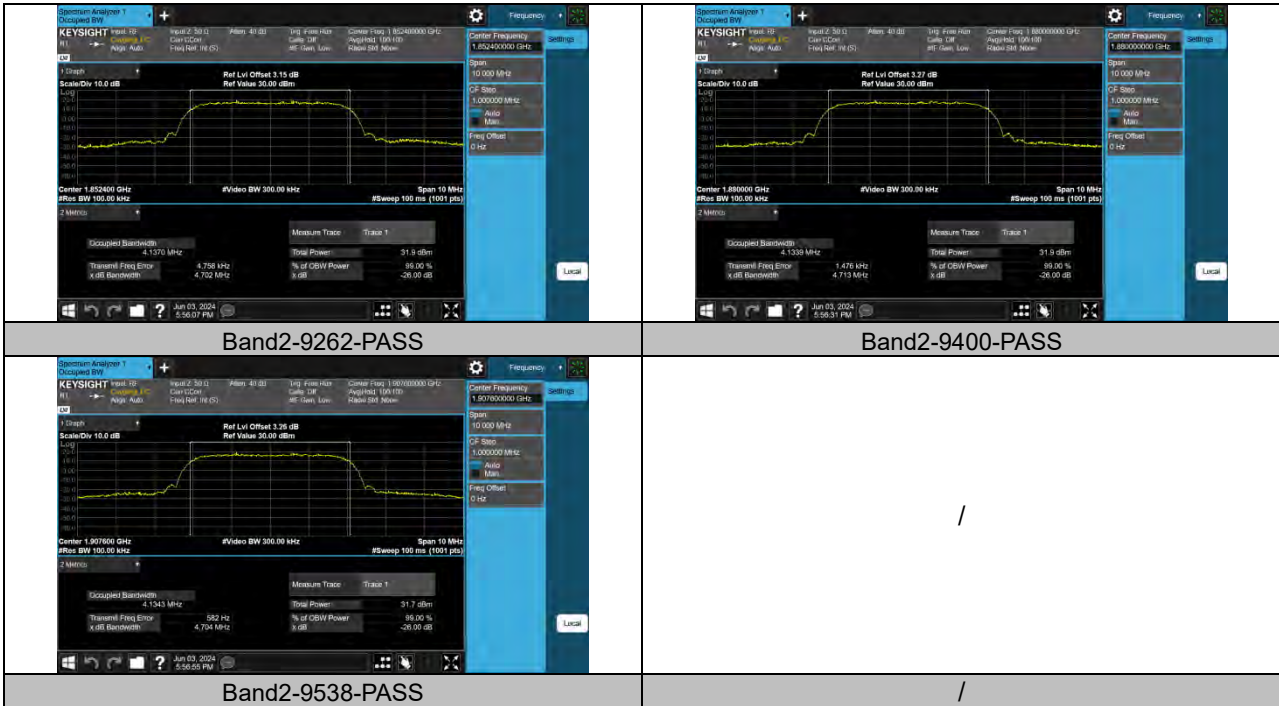


Reference No.: W7L-240430W002RF03

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1370	4.702	---	PASS
Band2	9400	4.1339	4.713	---	PASS
Band2	9538	4.1343	4.704	---	PASS

### TEST GRAPHS





Reference No.: W7L-240430W002RF03

## BAND EDGE TEST RESULT

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.84	-26.66	-13	PASS
Band2	9538	1910.15	-27.07	-13	PASS



Reference No.: W7L-240430W002RF03

## TEST GRAPHS





Reference No.: W7L-240430W002RF03

## CONDUCTED SPURIOUS EMISSION TEST RESULT

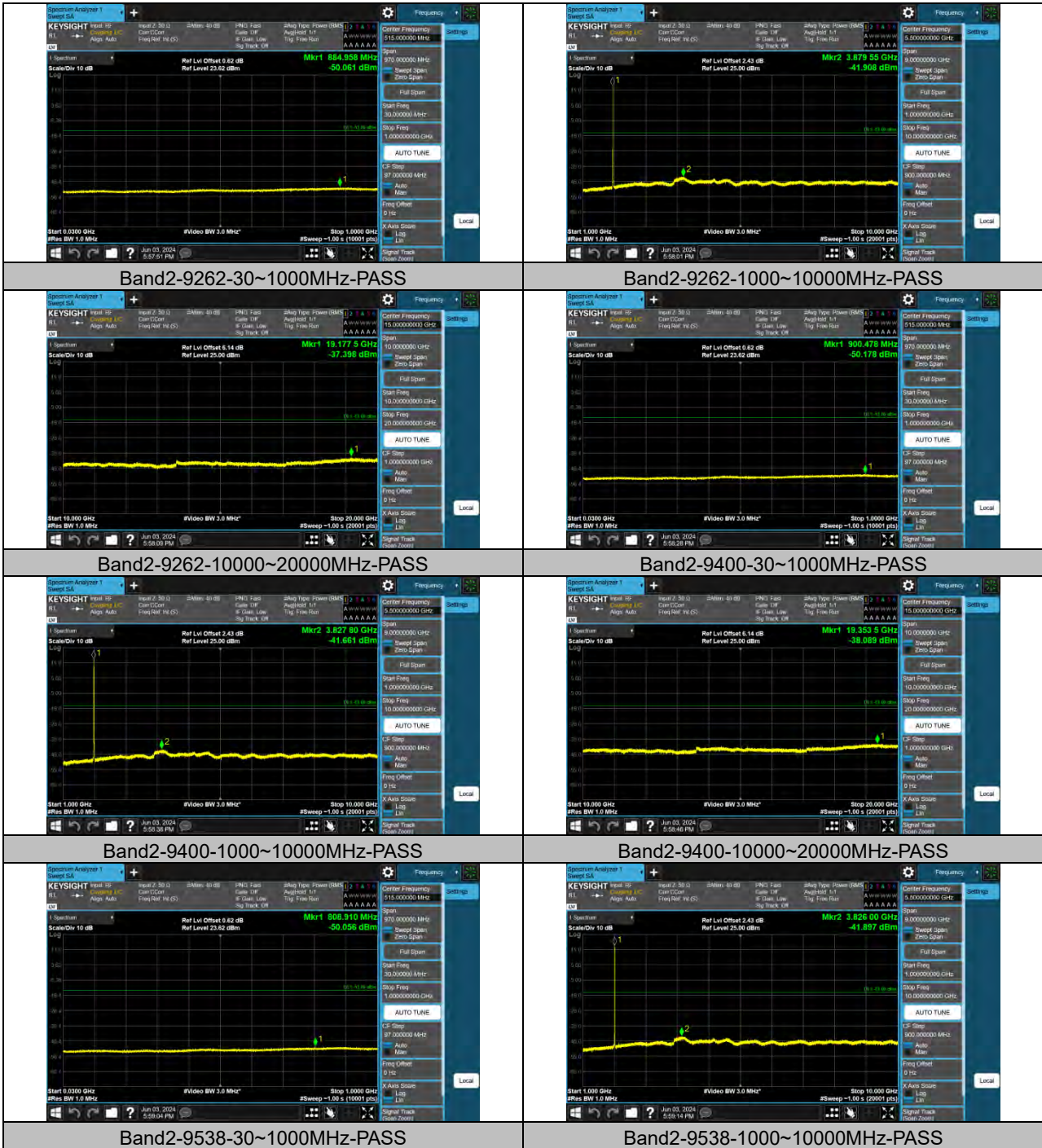
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	884.96	-50.06	-13	PASS
Band2	9262	1000~10000MHz	3879.55	-41.91	-13	PASS
Band2	9262	10000~20000MHz	19177.5	-37.4	-13	PASS
Band2	9400	30~1000MHz	900.48	-50.18	-13	PASS
Band2	9400	1000~10000MHz	3827.8	-41.66	-13	PASS
Band2	9400	10000~20000MHz	19353.5	-38.09	-13	PASS
Band2	9538	30~1000MHz	808.91	-50.06	-13	PASS
Band2	9538	1000~10000MHz	3826	-41.9	-13	PASS
Band2	9538	10000~20000MHz	19135.5	-37.83	-13	PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF03

### TEST GRAPHS







BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2-9538-10000~20000MHz-PASS



Reference No.: W7L-240430W002RF03

## FREQUENCY STABILITY TEST RESULT

Voltage									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band2	9262	VN	NT	6430.00	3.471173	1850.33473	---	1850-1910	PASS
Band2	9262	VL	NT	2600.00	1.403585	1850.3366	---	1850-1910	PASS
Band2	9262	VH	NT	4850.00	2.618225	1850.33515	---	1850-1910	PASS
Band2	9538	VN	NT	-1980.00	-1.037953	---	1909.66597	1850-1910	PASS
Band2	9538	VL	NT	-1920.00	-1.006500	---	1909.66703	1850-1910	PASS
Band2	9538	VH	NT	140.00	0.073391	---	1909.67069	1850-1910	PASS

Temperature									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band2	9262	NV	-30	3210.00	1.732887	1850.33436	---	1850-1910	PASS
Band2	9262	NV	-20	1470.00	0.793565	1850.33567	---	1850-1910	PASS
Band2	9262	NV	-10	6470.00	3.492766	1850.33477	---	1850-1910	PASS
Band2	9262	NV	0	5590.00	3.017707	1850.33654	---	1850-1910	PASS
Band2	9262	NV	10	6800.00	3.670913	1850.3362	---	1850-1910	PASS
Band2	9262	NV	20	5330.00	2.877348	1850.33553	---	1850-1910	PASS
Band2	9262	NV	30	7610.00	4.108184	1850.33691	---	1850-1910	PASS
Band2	9262	NV	40	6390.00	3.449579	1850.33649	---	1850-1910	PASS
Band2	9262	NV	50	3180.00	1.716692	1850.33633	---	1850-1910	PASS
Band2	9538	NV	-30	1230.00	0.644789	---	1909.67123	1850-1910	PASS
Band2	9538	NV	-20	-2190.00	-1.148039	---	1909.66476	1850-1910	PASS
Band2	9538	NV	-10	-3090.00	-1.619836	---	1909.66386	1850-1910	PASS
Band2	9538	NV	0	3910.00	2.049696	---	1909.67756	1850-1910	PASS



BUREAU  
VERITAS

Reference No.: W7L-240430W002RF03

Band2	9538	NV	10	200.00	0.1048 44	---	1909.6 712	1850-1 910	PASS
Band2	9538	NV	20	920.00	0.4822 81	---	1909.6 7187	1850-1 910	PASS
Band2	9538	NV	30	-5620.0 0	-2.9461 10	---	1909.6 6043	1850-1 910	PASS
Band2	9538	NV	40	2290.0 0	1.2004 61	---	1909.6 7444	1850-1 910	PASS
Band2	9538	NV	50	240.00	0.1258 13	---	1909.6 7014	1850-1 910	PASS



Reference No.: W7L-240430W002RF03

## LTE BAND2

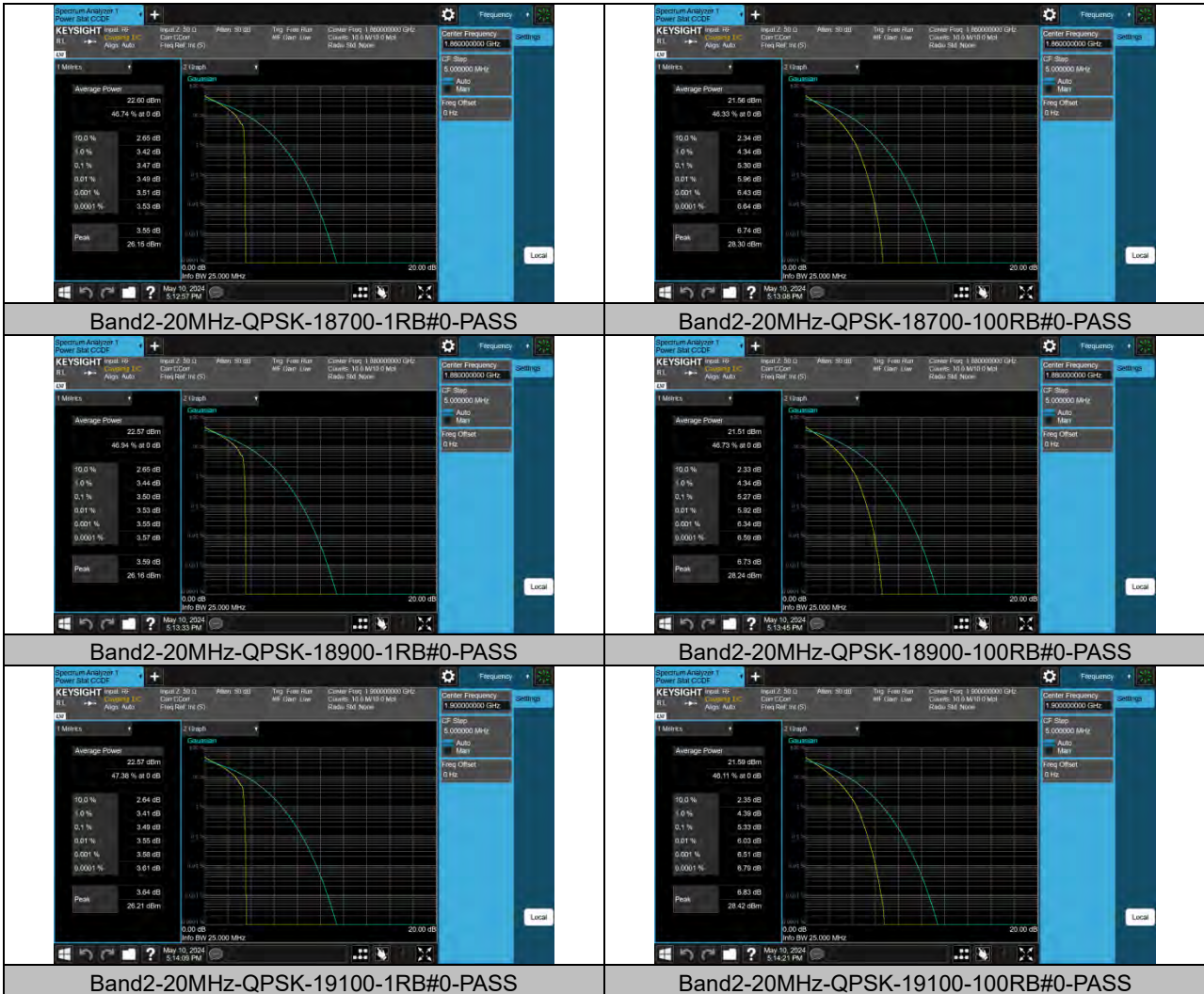
### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	1RB#0	3.47	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	3.50	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.27	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	3.49	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.33	13	PASS



Reference No.: W7L-240430W002RF03

### TEST GRAPHS





Reference No.: W7L-240430W002RF03

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

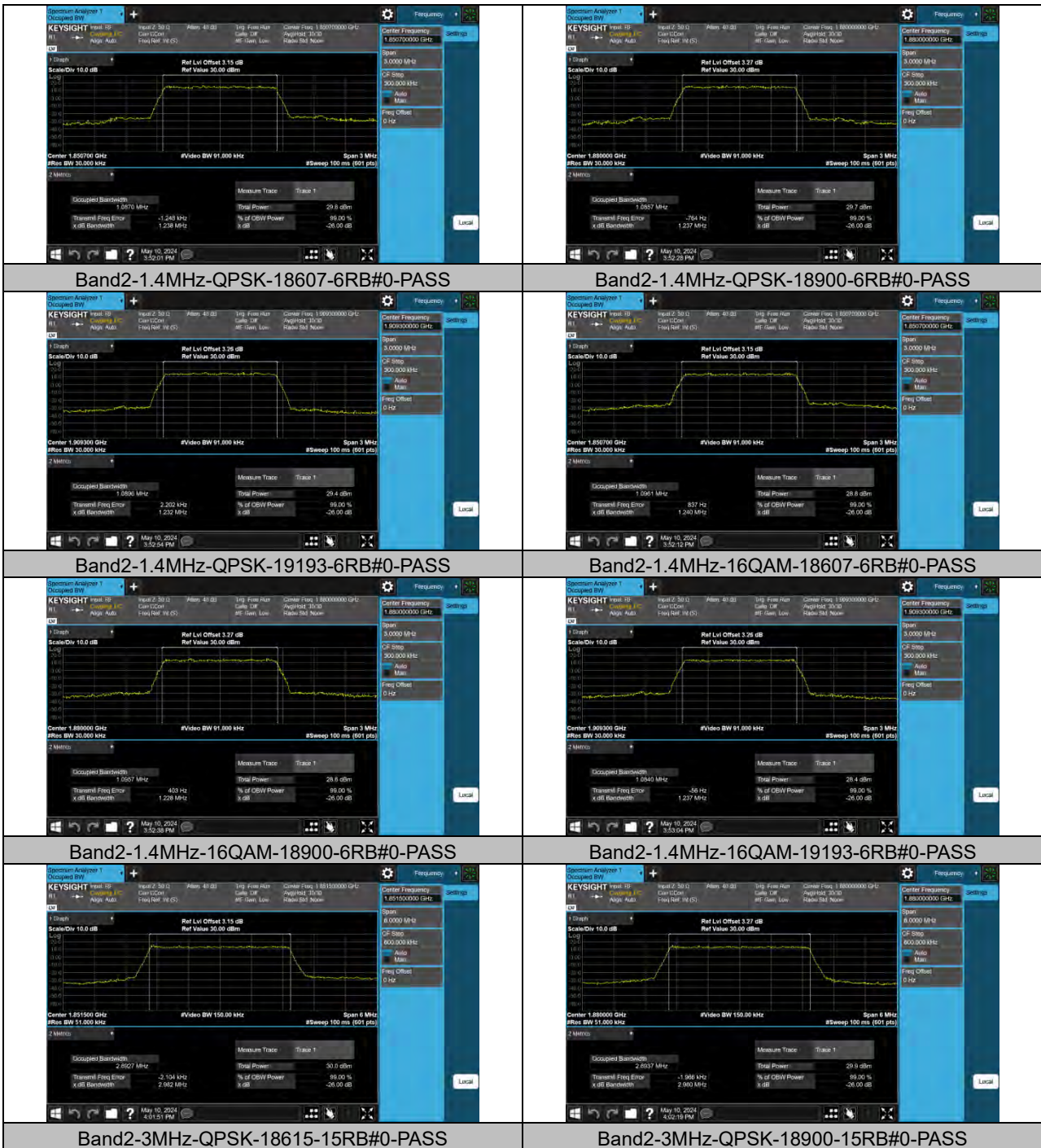
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0870	1.238	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0857	1.237	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0896	1.232	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0961	1.240	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0957	1.228	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0840	1.237	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6927	2.982	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6937	2.980	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6927	2.985	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6968	3.001	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6967	2.983	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6978	2.976	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5113	5.002	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5134	4.997	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5108	5.018	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5073	4.989	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5051	5.002	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5065	4.997	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9927	9.841	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9915	9.864	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9981	9.928	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9631	9.803	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9737	9.804	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9629	9.838	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.483	15.48	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.475	14.71	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.475	14.76	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.68	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.488	14.72	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.472	14.74	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.986	19.46	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.993	19.45	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.906	19.58	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.909	19.46	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.920	19.49	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.936	19.50	PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF03

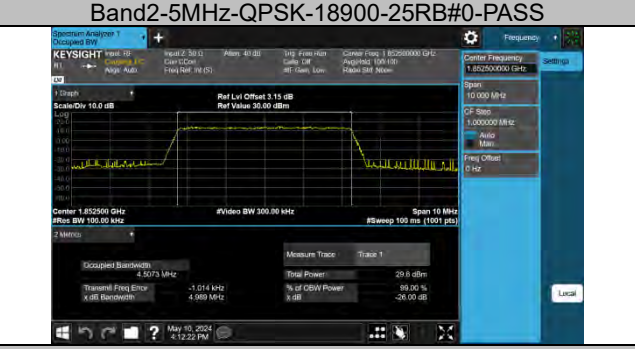
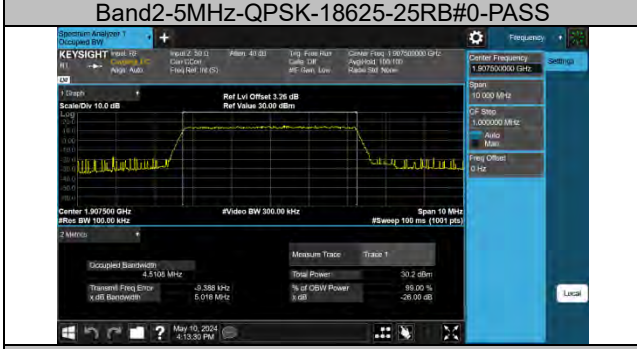
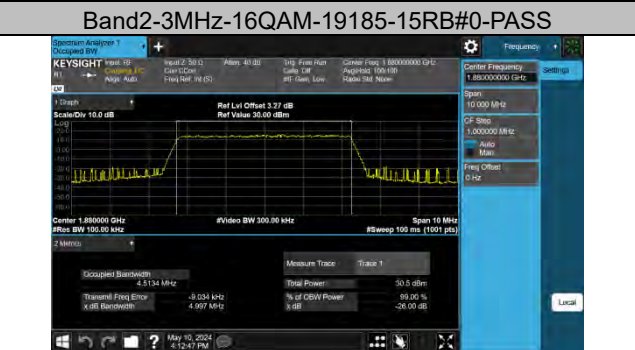
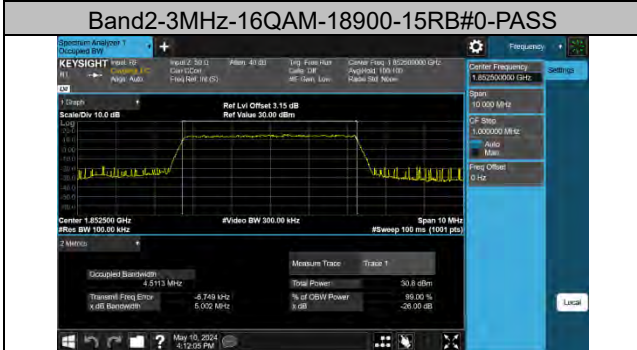
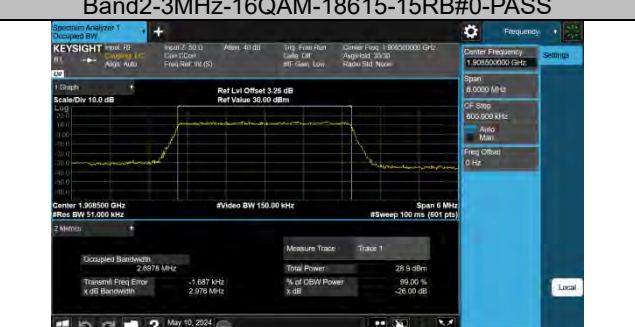
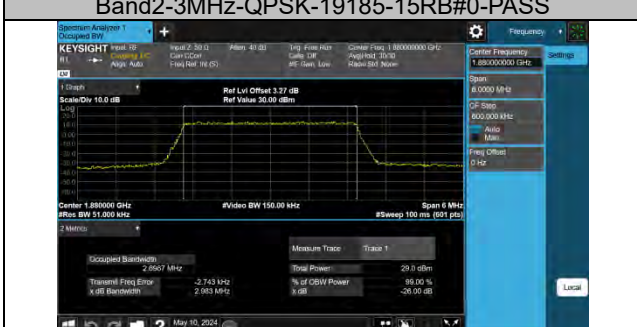
# TEST GRAPHS





BUREAU VERITAS

Reference No.: W7L-240430W002RF03







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Reference No.: W7L-240430W002RF03



Band2-10MHz-QPSK-18650-50RB#0-PASS



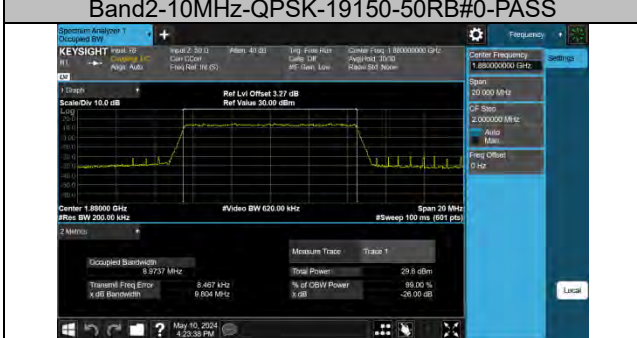
Band2-10MHz-QPSK-18900-50RB#0-PASS



Band2-10MHz-QPSK-19150-50RB#0-PASS



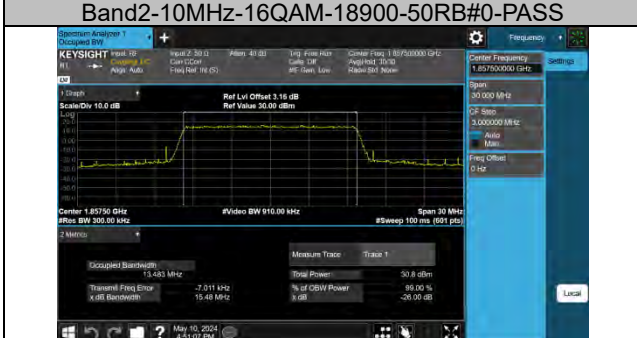
Band2-10MHz-16QAM-18650-50RB#0-PASS



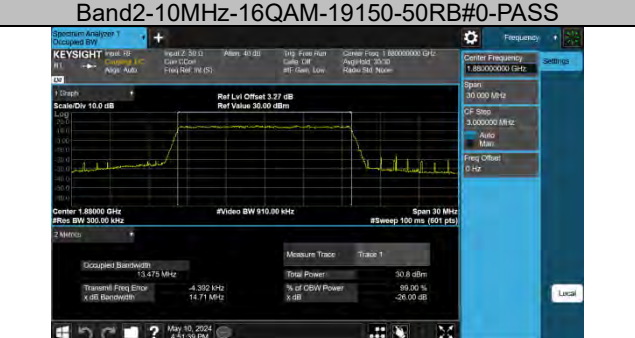
Band2-10MHz-16QAM-18900-50RB#0-PASS



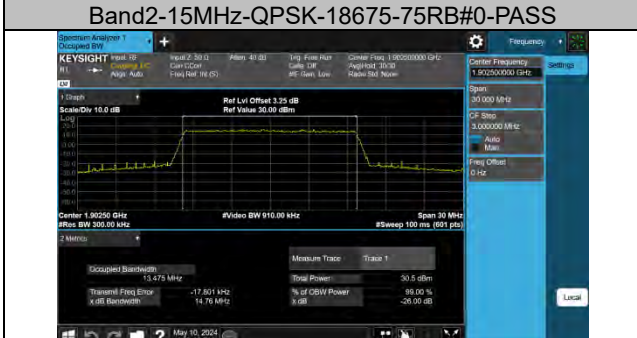
Band2-10MHz-16QAM-19150-50RB#0-PASS



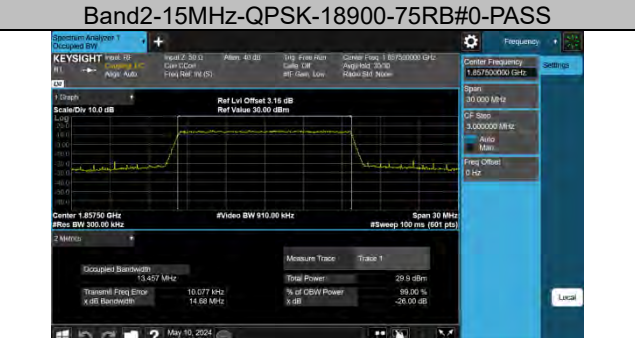
Band2-15MHz-QPSK-18675-75RB#0-PASS



Band2-15MHz-QPSK-18900-75RB#0-PASS



Band2-15MHz-QPSK-19125-75RB#0-PASS



Band2-15MHz-16QAM-18675-75RB#0-PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2-15MHz-16QAM-18900-75RB#0-PASS



Band2-15MHz-16QAM-19125-75RB#0-PASS



Band2-20MHz-QPSK-18700-100RB#0-PASS



Band2-20MHz-QPSK-18900-100RB#0-PASS



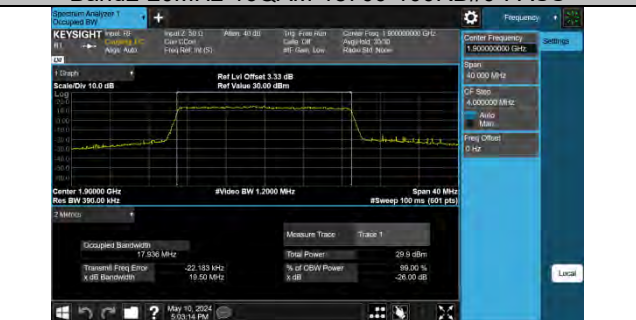
Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-18700-100RB#0-PASS



Band2-20MHz-16QAM-18900-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS



Reference No.: W7L-240430W002RF03

## BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-35.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-34.25	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-34.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-36.73	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-33.80	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-31.39	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-35.55	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-34.42	PASS
Band2	3MHz	QPSK	18615	1RB#0	-23.69	PASS
Band2	3MHz	QPSK	18615	15RB#0	-31.84	PASS
Band2	3MHz	QPSK	19185	1RB#14	-25.62	PASS
Band2	3MHz	QPSK	19185	15RB#0	-32.68	PASS
Band2	3MHz	16QAM	18615	1RB#0	-26.08	PASS
Band2	3MHz	16QAM	18615	15RB#0	-31.82	PASS
Band2	3MHz	16QAM	19185	1RB#14	-26.04	PASS
Band2	3MHz	16QAM	19185	15RB#0	-33.89	PASS
Band2	5MHz	QPSK	18625	1RB#0	-28.25	PASS
Band2	5MHz	QPSK	18625	25RB#0	-29.07	PASS
Band2	5MHz	QPSK	19175	1RB#24	-30.15	PASS
Band2	5MHz	QPSK	19175	25RB#0	-31.08	PASS
Band2	5MHz	16QAM	18625	1RB#0	-29.43	PASS
Band2	5MHz	16QAM	18625	25RB#0	-28.10	PASS
Band2	5MHz	16QAM	19175	1RB#24	-31.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	-31.73	PASS
Band2	10MHz	QPSK	18650	1RB#0	-35.31	PASS
Band2	10MHz	QPSK	18650	50RB#0	-29.75	PASS
Band2	10MHz	QPSK	19150	1RB#49	-31.82	PASS
Band2	10MHz	QPSK	19150	50RB#0	-30.52	PASS
Band2	10MHz	16QAM	18650	1RB#0	-36.41	PASS
Band2	10MHz	16QAM	18650	50RB#0	-30.28	PASS
Band2	10MHz	16QAM	19150	1RB#49	-32.72	PASS
Band2	10MHz	16QAM	19150	50RB#0	-31.64	PASS
Band2	15MHz	QPSK	18675	1RB#0	-38.81	PASS
Band2	15MHz	QPSK	18675	75RB#0	-30.41	PASS
Band2	15MHz	QPSK	19125	1RB#74	-39.74	PASS
Band2	15MHz	QPSK	19125	75RB#0	-29.01	PASS
Band2	15MHz	16QAM	18675	1RB#0	-41.17	PASS
Band2	15MHz	16QAM	18675	75RB#0	-30.64	PASS
Band2	15MHz	16QAM	19125	1RB#74	-41.30	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.83	PASS
Band2	20MHz	QPSK	18700	1RB#0	-42.28	PASS
Band2	20MHz	QPSK	18700	100RB#0	-30.82	PASS
Band2	20MHz	QPSK	19100	1RB#99	-43.15	PASS
Band2	20MHz	QPSK	19100	100RB#0	-27.87	PASS



**BUREAU  
VERITAS**

**Reference No.: W7L-240430W002RF03**

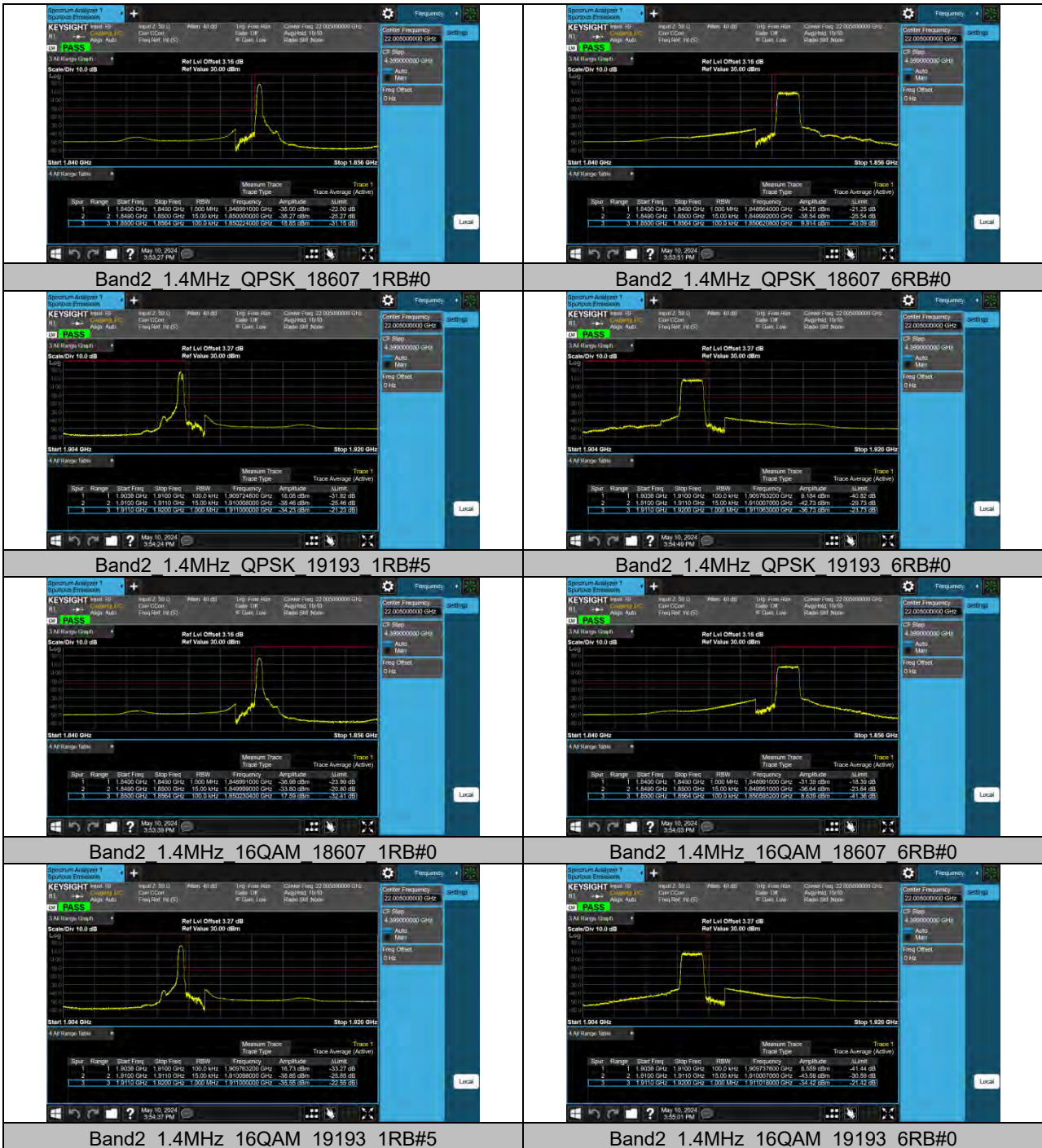
Band2	20MHz	16QAM	18700	1RB#0	-43.04	PASS
Band2	20MHz	16QAM	18700	100RB#0	-31.24	PASS
Band2	20MHz	16QAM	19100	1RB#99	-44.54	PASS
Band2	20MHz	16QAM	19100	100RB#0	-28.94	PASS



BUREAU VERITAS

Reference No.: W7L-240430W002RF03

### TEST GRAPHS







BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2 5MHz QPSK 19175 1RB#24



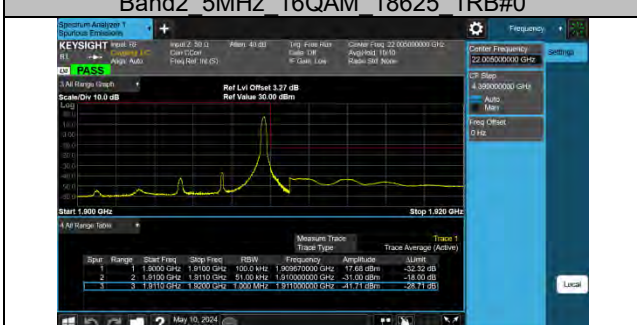
Band2 5MHz QPSK 19175 25RB#0



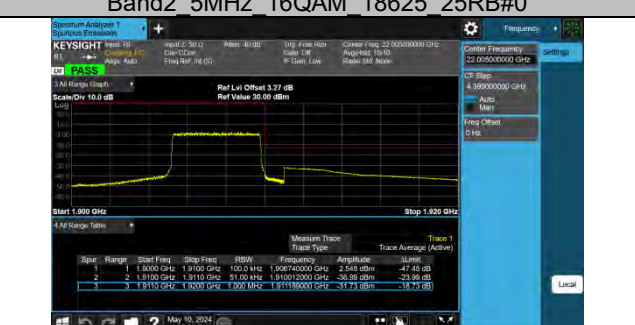
Band2 5MHz 16QAM 18625 1RB#0



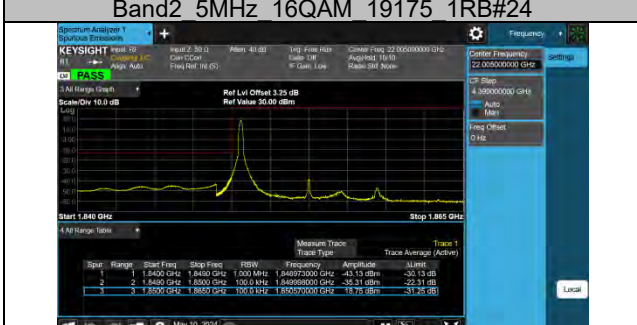
Band2 5MHz 16QAM 18625 25RB#0



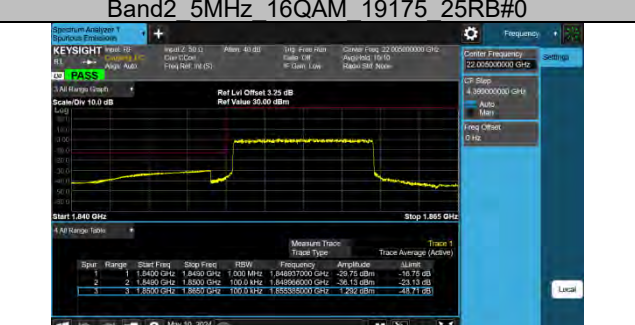
Band2 5MHz 16QAM 19175 1RB#24



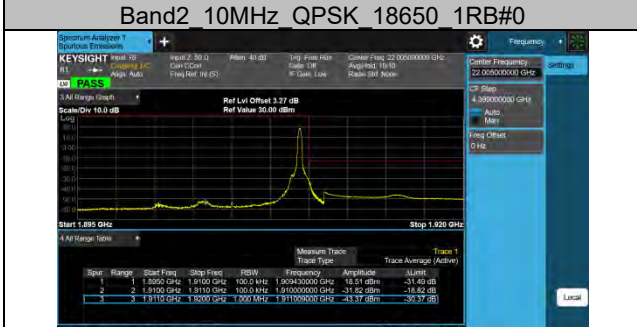
Band2 5MHz 16QAM 19175 25RB#0



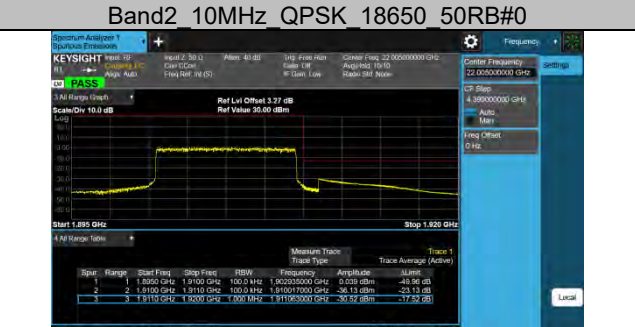
Band2 10MHz QPSK 18650 1RB#0



Band2 10MHz QPSK 18650 50RB#0



Band2 10MHz QPSK 19150 1RB#49



Band2 10MHz QPSK 19150 50RB#0



Reference No.: W7L-240430W002RF03



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Reference No.: W7L-240430W002RF03

BUREAU VERITAS



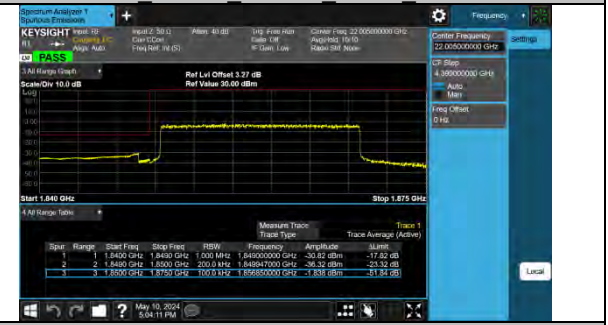
Band2 15MHz 16QAM 19125 1RB#74



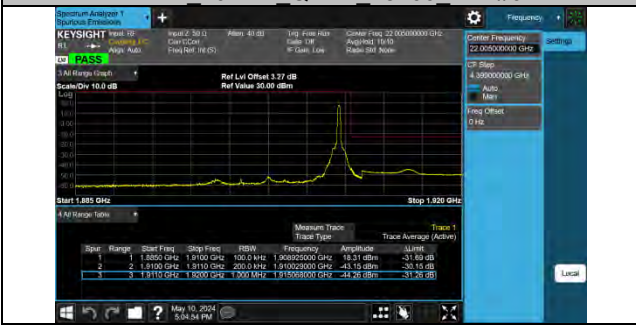
Band2 15MHz 16QAM 19125 75RB#0



Band2 20MHz QPSK 18700 1RB#0



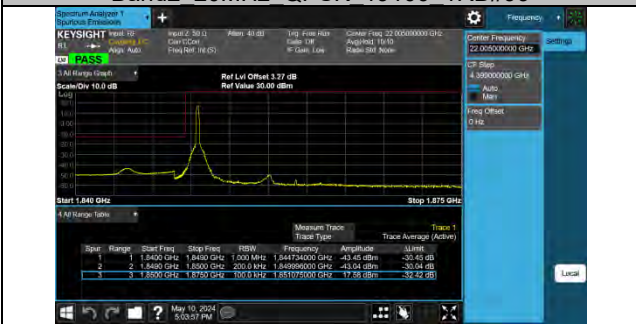
Band2 20MHz QPSK 18700 100RB#0



Band2 20MHz QPSK 19100 1RB#99



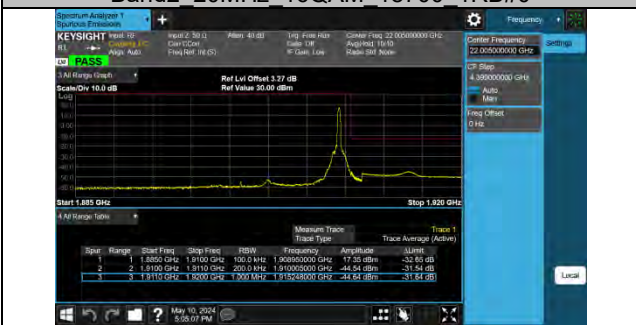
Band2 20MHz QPSK 19100 100RB#0



Band2 20MHz 16QAM 18700 1RB#0



Band2 20MHz 16QAM 18700 100RB#0



Band2 20MHz 16QAM 19100 1RB#99



Band2 20MHz 16QAM 19100 100RB#0



Reference No.: W7L-240430W002RF03

## CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	30~1000	-59.06	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~20000	-35.87	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	30~1000	-59.09	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	1000~20000	-35.64	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	30~1000	-59.09	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	1000~20000	-26.85	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000	-59.03	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~20000	-35.92	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	30~1000	-59.04	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	1000~20000	-35.69	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	30~1000	-59.02	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1000~20000	-27.41	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000	-59.06	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~20000	-35.97	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	30~1000	-59.09	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	1000~20000	-35.84	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	30~1000	-59.08	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1000~20000	-28.40	PASS
Band2	3MHz	QPSK	18615	1RB#0	30~1000	-59.06	PASS
Band2	3MHz	QPSK	18615	1RB#0	1000~20000	-35.96	PASS
Band2	3MHz	QPSK	18615	1RB#14	30~1000	-59.10	PASS
Band2	3MHz	QPSK	18615	1RB#14	1000~20000	-35.79	PASS
Band2	3MHz	QPSK	18615	15RB#0	30~1000	-59.09	PASS
Band2	3MHz	QPSK	18615	15RB#0	1000~20000	-29.63	PASS
Band2	3MHz	QPSK	18900	1RB#0	30~1000	-59.08	PASS
Band2	3MHz	QPSK	18900	1RB#0	1000~20000	-35.85	PASS
Band2	3MHz	QPSK	18900	1RB#14	30~1000	-59.04	PASS
Band2	3MHz	QPSK	18900	1RB#14	1000~20000	-36.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	30~1000	-59.08	PASS
Band2	3MHz	QPSK	18900	15RB#0	1000~20000	-30.05	PASS
Band2	3MHz	QPSK	19185	1RB#0	30~1000	-59.07	PASS
Band2	3MHz	QPSK	19185	1RB#0	1000~20000	-35.81	PASS
Band2	3MHz	QPSK	19185	1RB#14	30~1000	-59.06	PASS
Band2	3MHz	QPSK	19185	1RB#14	1000~20000	-35.78	PASS
Band2	3MHz	QPSK	19185	15RB#0	30~1000	-59.02	PASS
Band2	3MHz	QPSK	19185	15RB#0	1000~20000	-32.57	PASS
Band2	5MHz	QPSK	18625	1RB#0	30~1000	-59.04	PASS
Band2	5MHz	QPSK	18625	1RB#0	1000~20000	-35.96	PASS
Band2	5MHz	QPSK	18625	1RB#24	30~1000	-59.03	PASS
Band2	5MHz	QPSK	18625	1RB#24	1000~20000	-35.80	PASS
Band2	5MHz	QPSK	18625	25RB#0	30~1000	-59.04	PASS
Band2	5MHz	QPSK	18625	25RB#0	1000~20000	-30.79	PASS
Band2	5MHz	QPSK	18900	1RB#0	30~1000	-59.01	PASS



BUREAU  
VERITAS

Reference No.: W7L-240430W002RF03

Band2	5MHz	QPSK	18900	1RB#0	1000~20000	-35.89	PASS
Band2	5MHz	QPSK	18900	1RB#24	30~1000	-59.02	PASS
Band2	5MHz	QPSK	18900	1RB#24	1000~20000	-35.95	PASS
Band2	5MHz	QPSK	18900	25RB#0	30~1000	-59.04	PASS
Band2	5MHz	QPSK	18900	25RB#0	1000~20000	-31.09	PASS
Band2	5MHz	QPSK	19175	1RB#0	30~1000	-59.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	1000~20000	-36.01	PASS
Band2	5MHz	QPSK	19175	1RB#24	30~1000	-59.05	PASS
Band2	5MHz	QPSK	19175	1RB#24	1000~20000	-35.84	PASS
Band2	5MHz	QPSK	19175	25RB#0	30~1000	-59.02	PASS
Band2	5MHz	QPSK	19175	25RB#0	1000~20000	-33.68	PASS
Band2	10MHz	QPSK	18650	1RB#0	30~1000	-58.97	PASS
Band2	10MHz	QPSK	18650	1RB#0	1000~20000	-35.93	PASS
Band2	10MHz	QPSK	18650	1RB#49	30~1000	-59.05	PASS
Band2	10MHz	QPSK	18650	1RB#49	1000~20000	-35.90	PASS
Band2	10MHz	QPSK	18650	50RB#0	30~1000	-59.04	PASS
Band2	10MHz	QPSK	18650	50RB#0	1000~20000	-33.27	PASS
Band2	10MHz	QPSK	18900	1RB#0	30~1000	-59.03	PASS
Band2	10MHz	QPSK	18900	1RB#0	1000~20000	-35.94	PASS
Band2	10MHz	QPSK	18900	1RB#49	30~1000	-59.03	PASS
Band2	10MHz	QPSK	18900	1RB#49	1000~20000	-35.95	PASS
Band2	10MHz	QPSK	18900	50RB#0	30~1000	-59.05	PASS
Band2	10MHz	QPSK	18900	50RB#0	1000~20000	-33.77	PASS
Band2	10MHz	QPSK	19150	1RB#0	30~1000	-59.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	1000~20000	-35.92	PASS
Band2	10MHz	QPSK	19150	1RB#49	30~1000	-59.03	PASS
Band2	10MHz	QPSK	19150	1RB#49	1000~20000	-35.86	PASS
Band2	10MHz	QPSK	19150	50RB#0	30~1000	-59.04	PASS
Band2	10MHz	QPSK	19150	50RB#0	1000~20000	-35.97	PASS
Band2	15MHz	QPSK	18675	1RB#0	30~1000	-59.06	PASS
Band2	15MHz	QPSK	18675	1RB#0	1000~20000	-35.90	PASS
Band2	15MHz	QPSK	18675	1RB#74	30~1000	-59.03	PASS
Band2	15MHz	QPSK	18675	1RB#74	1000~20000	-35.96	PASS
Band2	15MHz	QPSK	18675	75RB#0	30~1000	-59.05	PASS
Band2	15MHz	QPSK	18675	75RB#0	1000~20000	-34.34	PASS
Band2	15MHz	QPSK	18900	1RB#0	30~1000	-59.03	PASS
Band2	15MHz	QPSK	18900	1RB#0	1000~20000	-36.02	PASS
Band2	15MHz	QPSK	18900	1RB#74	30~1000	-59.06	PASS
Band2	15MHz	QPSK	18900	1RB#74	1000~20000	-35.97	PASS
Band2	15MHz	QPSK	18900	75RB#0	30~1000	-59.02	PASS
Band2	15MHz	QPSK	18900	75RB#0	1000~20000	-35.16	PASS
Band2	15MHz	QPSK	19125	1RB#0	30~1000	-58.99	PASS
Band2	15MHz	QPSK	19125	1RB#0	1000~20000	-35.80	PASS
Band2	15MHz	QPSK	19125	1RB#74	30~1000	-59.04	PASS
Band2	15MHz	QPSK	19125	1RB#74	1000~20000	-35.90	PASS
Band2	15MHz	QPSK	19125	75RB#0	30~1000	-59.03	PASS
Band2	15MHz	QPSK	19125	75RB#0	1000~20000	-35.88	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000	-58.99	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~20000	-35.90	PASS
Band2	20MHz	QPSK	18700	1RB#99	30~1000	-59.05	PASS
Band2	20MHz	QPSK	18700	1RB#99	1000~20000	-36.02	PASS
Band2	20MHz	QPSK	18700	100RB#0	30~1000	-59.06	PASS

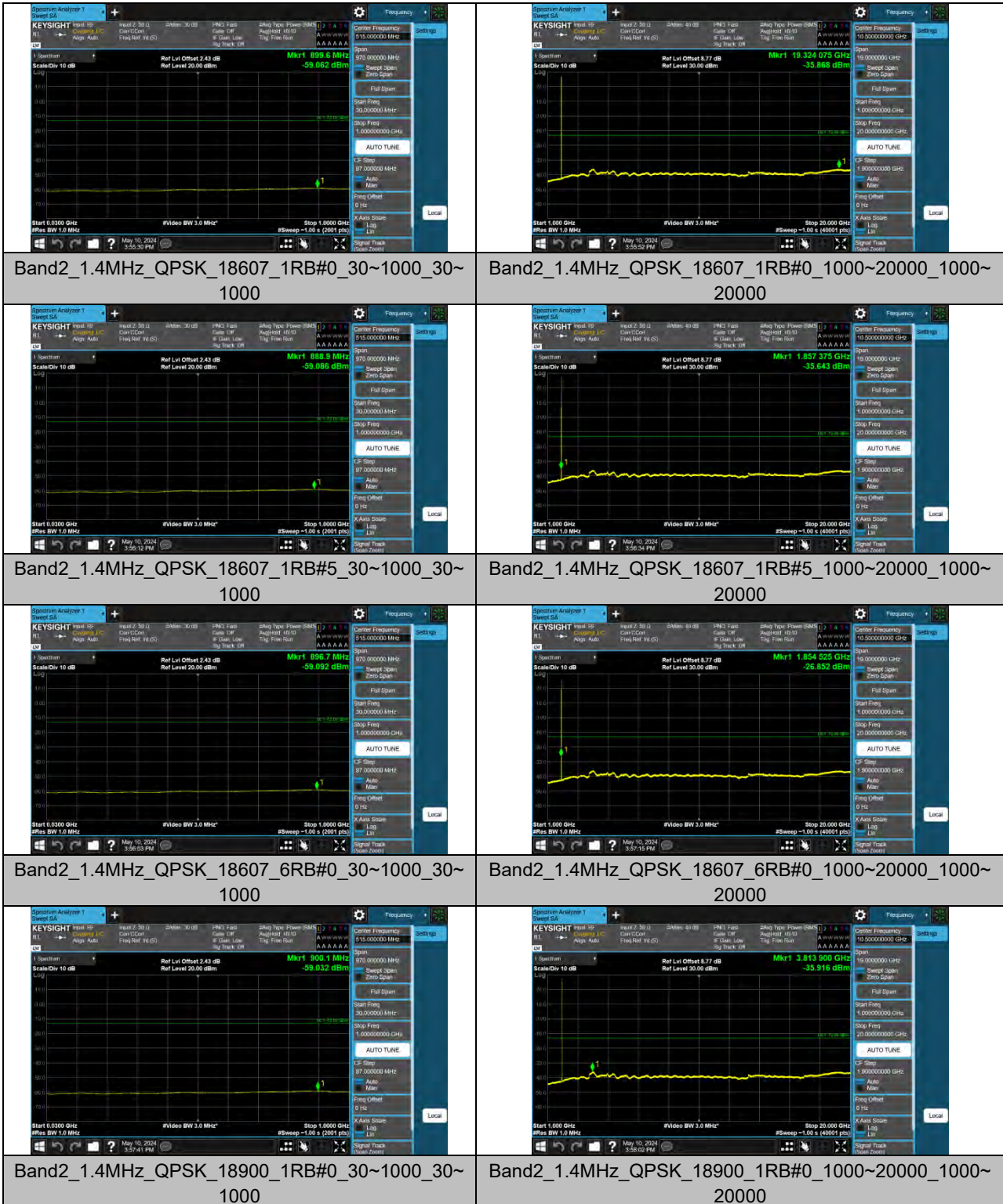


**BUREAU  
VERITAS**

Reference No.: W7L-240430W002RF03

Band2	20MHz	QPSK	18700	100RB#0	1000~20000	-35.61	PASS
Band2	20MHz	QPSK	18900	1RB#0	30~1000	-59.01	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~20000	-35.70	PASS
Band2	20MHz	QPSK	18900	1RB#99	30~1000	-59.02	PASS
Band2	20MHz	QPSK	18900	1RB#99	1000~20000	-35.82	PASS
Band2	20MHz	QPSK	18900	100RB#0	30~1000	-59.02	PASS
Band2	20MHz	QPSK	18900	100RB#0	1000~20000	-35.95	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000	-59.06	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~20000	-36.04	PASS
Band2	20MHz	QPSK	19100	1RB#99	30~1000	-59.05	PASS
Band2	20MHz	QPSK	19100	1RB#99	1000~20000	-35.95	PASS
Band2	20MHz	QPSK	19100	100RB#0	30~1000	-59.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	1000~20000	-35.91	PASS

### TEST GRAPHS



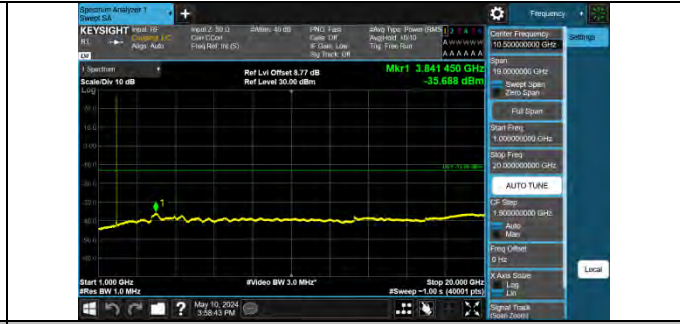


BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_1.4MHz\_QPSK\_18900\_1RB#5\_30~1000\_30~1000



Band2\_1.4MHz\_QPSK\_18900\_1RB#5\_1000~20000\_1000~20000



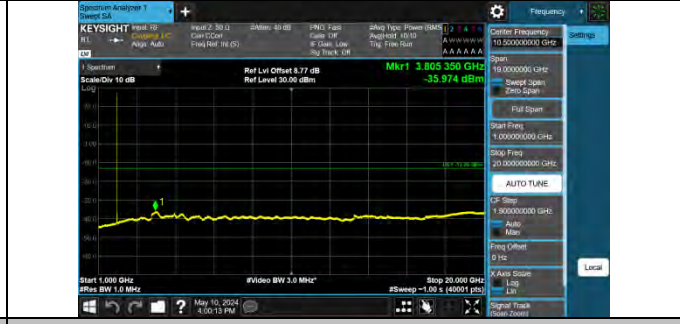
Band2\_1.4MHz\_QPSK\_18900\_6RB#0\_30~1000\_30~1000



Band2\_1.4MHz\_QPSK\_18900\_6RB#0\_1000~20000\_1000~20000



Band2\_1.4MHz\_QPSK\_19193\_1RB#0\_30~1000\_30~1000



Band2\_1.4MHz\_QPSK\_19193\_1RB#0\_1000~20000\_1000~20000



Band2\_1.4MHz\_QPSK\_19193\_1RB#5\_30~1000\_30~1000



Band2\_1.4MHz\_QPSK\_19193\_1RB#5\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_1.4MHz\_QPSK\_19193\_6RB#0\_30~1000\_30~1000



Band2\_1.4MHz\_QPSK\_19193\_6RB#0\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_18615\_1RB#0\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_18615\_1RB#0\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_18615\_1RB#14\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_18615\_1RB#14\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_18615\_15RB#0\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_18615\_15RB#0\_1000~20000\_1000~20000



BUREAU VERITAS

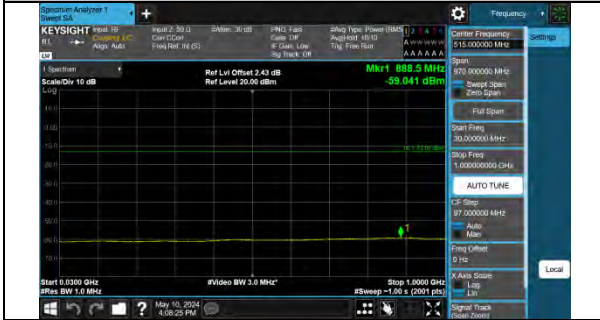
Reference No.: W7L-240430W002RF03



Band2\_3MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



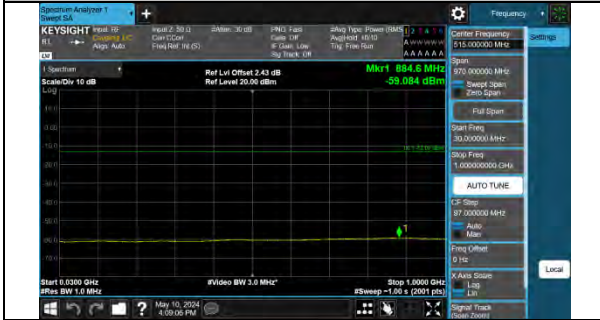
Band2\_3MHz\_QPSK\_18900\_1RB#0\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_18900\_1RB#14\_30~1000\_30~1000



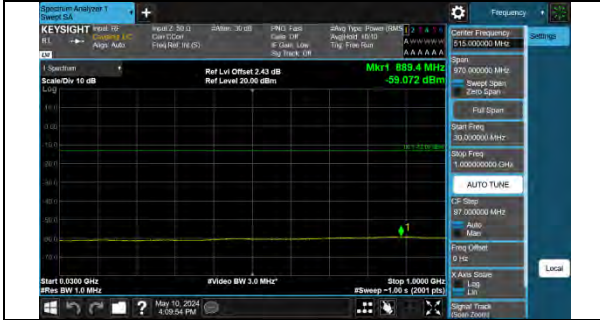
Band2\_3MHz\_QPSK\_18900\_1RB#14\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_18900\_15RB#0\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_18900\_15RB#0\_1000~20000\_1000~20000



Band2\_3MHz\_QPSK\_19185\_1RB#0\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_19185\_1RB#0\_1000~20000\_1000~20000





BUREAU VERITAS

Reference No.: W7L-240430W002RF03



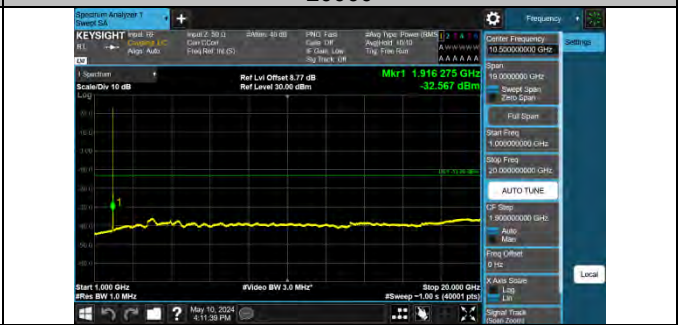
Band2\_3MHz\_QPSK\_19185\_1RB#14\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_19185\_1RB#14\_1000~20000\_1000~20000



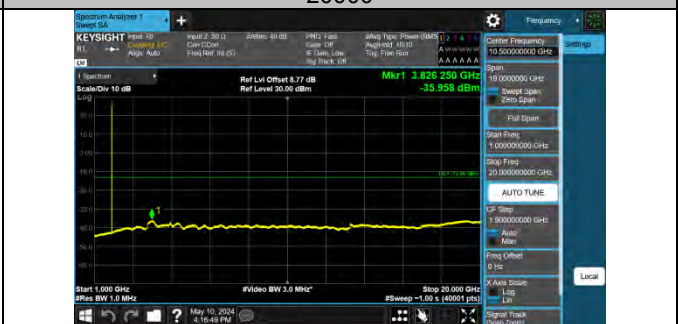
Band2\_3MHz\_QPSK\_19185\_15RB#0\_30~1000\_30~1000



Band2\_3MHz\_QPSK\_19185\_15RB#0\_1000~20000\_1000~20000



Band2\_5MHz\_QPSK\_18625\_1RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18625\_1RB#0\_1000~20000\_1000~20000



Band2\_5MHz\_QPSK\_18625\_1RB#24\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18625\_1RB#24\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_5MHz\_QPSK\_18625\_25RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18625\_25RB#0\_1000~20000\_1000~20000



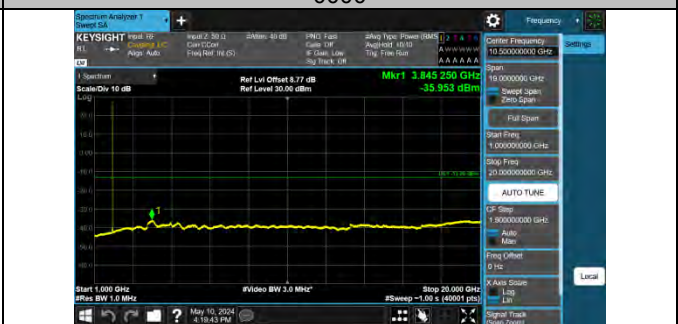
Band2\_5MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18900\_1RB#0\_1000~20000\_1000~20000



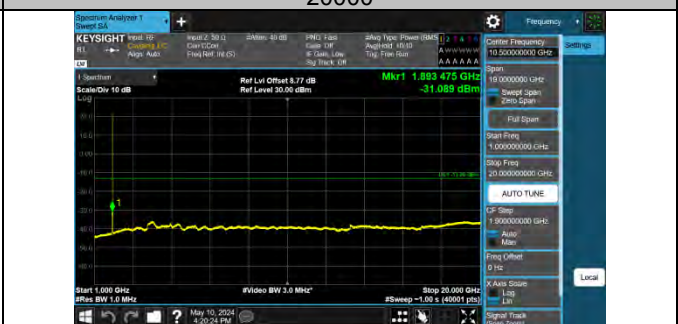
Band2\_5MHz\_QPSK\_18900\_1RB#24\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18900\_1RB#24\_1000~20000\_1000~20000



Band2\_5MHz\_QPSK\_18900\_25RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_18900\_25RB#0\_1000~20000\_1000~20000

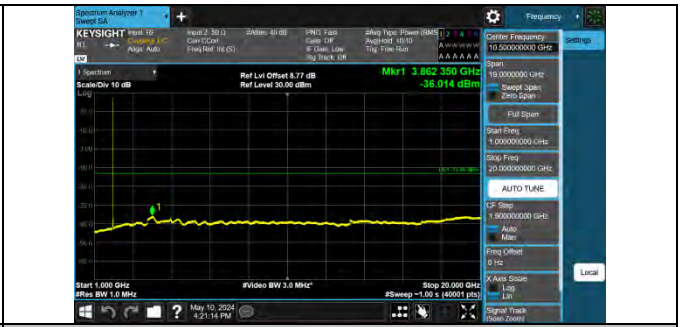


BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_5MHz\_QPSK\_19175\_1RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_19175\_1RB#0\_1000~20000\_1000~20000



Band2\_5MHz\_QPSK\_19175\_1RB#24\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_19175\_1RB#24\_1000~20000\_1000~20000



Band2\_5MHz\_QPSK\_19175\_25RB#0\_30~1000\_30~1000



Band2\_5MHz\_QPSK\_19175\_25RB#0\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_18650\_1RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18650\_1RB#0\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_10MHz\_QPSK\_18650\_1RB#49\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18650\_1RB#49\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_18650\_50RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18650\_50RB#0\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18900\_1RB#0\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_18900\_1RB#49\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18900\_1RB#49\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_10MHz\_QPSK\_18900\_50RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_18900\_50RB#0\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_19150\_1RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_19150\_1RB#0\_1000~20000\_1000~20000



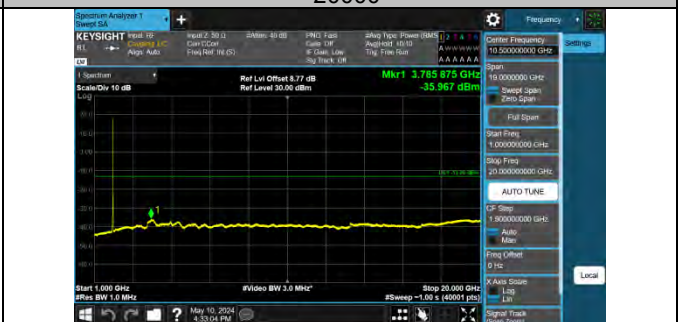
Band2\_10MHz\_QPSK\_19150\_1RB#49\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_19150\_1RB#49\_1000~20000\_1000~20000



Band2\_10MHz\_QPSK\_19150\_50RB#0\_30~1000\_30~1000



Band2\_10MHz\_QPSK\_19150\_50RB#0\_1000~20000\_1000~20000



BUREAU VERITAS

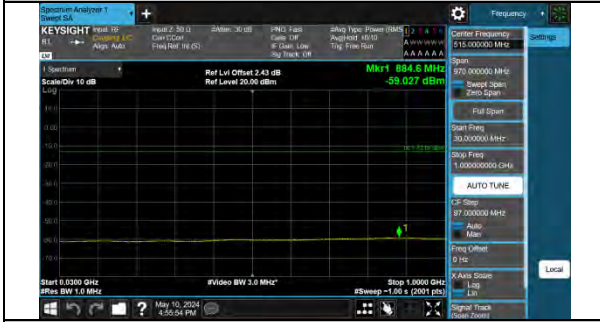
Reference No.: W7L-240430W002RF03



Band2\_15MHz\_QPSK\_18675\_1RB#0\_30~1000\_30~1000



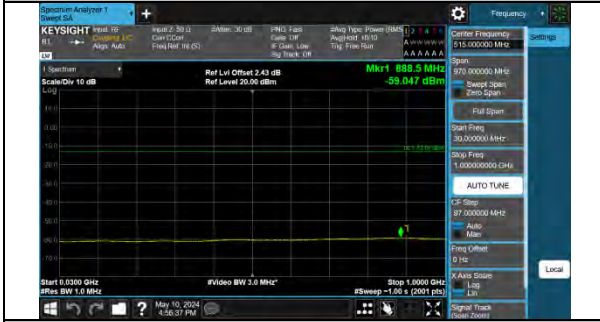
Band2\_15MHz\_QPSK\_18675\_1RB#0\_1000~20000\_1000~2000



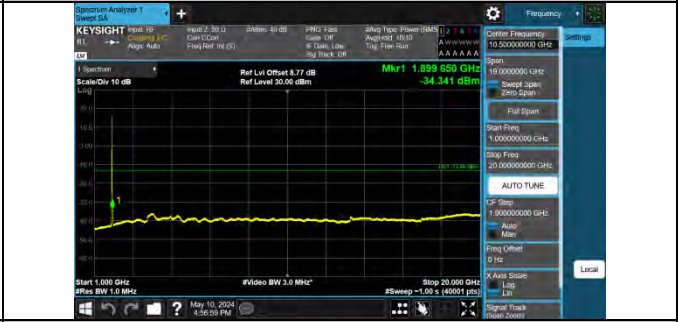
Band2\_15MHz\_QPSK\_18675\_1RB#74\_30~1000\_30~1000



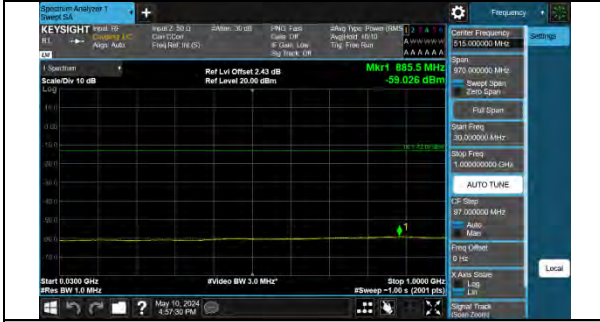
Band2\_15MHz\_QPSK\_18675\_1RB#74\_1000~20000\_1000~2000



Band2\_15MHz\_QPSK\_18675\_75RB#0\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_18675\_75RB#0\_1000~20000\_1000~2000



Band2\_15MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_18900\_1RB#0\_1000~20000\_1000~2000

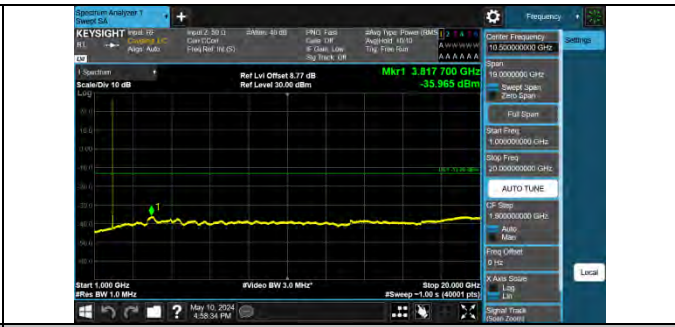


BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_15MHz\_QPSK\_18900\_1RB#74\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_18900\_1RB#74\_1000~20000\_1000~20000



Band2\_15MHz\_QPSK\_18900\_75RB#0\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_18900\_75RB#0\_1000~20000\_1000~20000



Band2\_15MHz\_QPSK\_19125\_1RB#0\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_19125\_1RB#0\_1000~20000\_1000~20000



Band2\_15MHz\_QPSK\_19125\_1RB#74\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_19125\_1RB#74\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



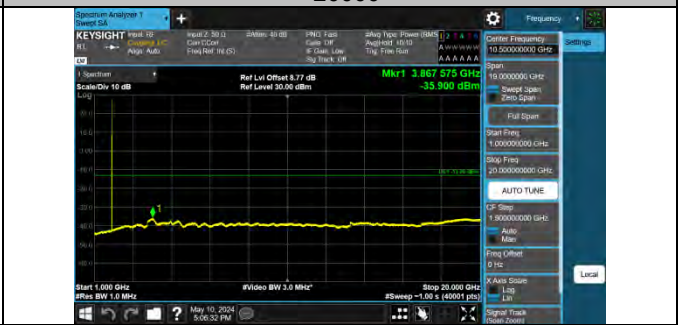
Band2\_15MHz\_QPSK\_19125\_75RB#0\_30~1000\_30~1000



Band2\_15MHz\_QPSK\_19125\_75RB#0\_1000~20000\_1000~20000



Band2\_20MHz\_QPSK\_18700\_1RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18700\_1RB#0\_1000~20000\_1000~20000



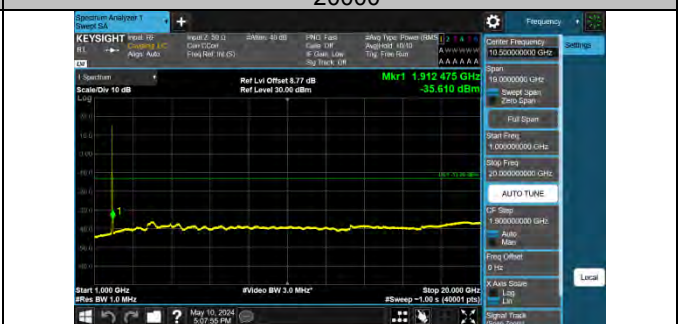
Band2\_20MHz\_QPSK\_18700\_1RB#99\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18700\_1RB#99\_1000~20000\_1000~20000



Band2\_20MHz\_QPSK\_18700\_100RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18700\_100RB#0\_1000~20000\_1000~20000





BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_20MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18900\_1RB#0\_1000~20000\_1000~20000



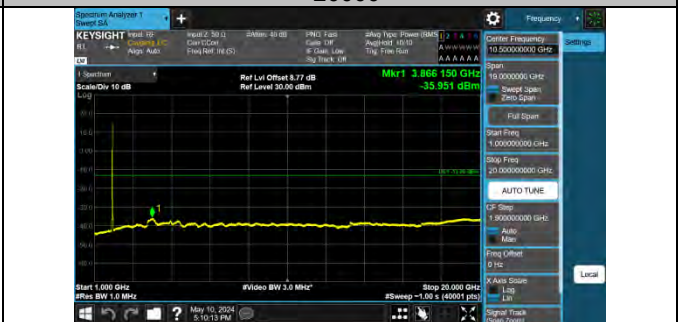
Band2\_20MHz\_QPSK\_18900\_1RB#99\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18900\_1RB#99\_1000~20000\_1000~20000



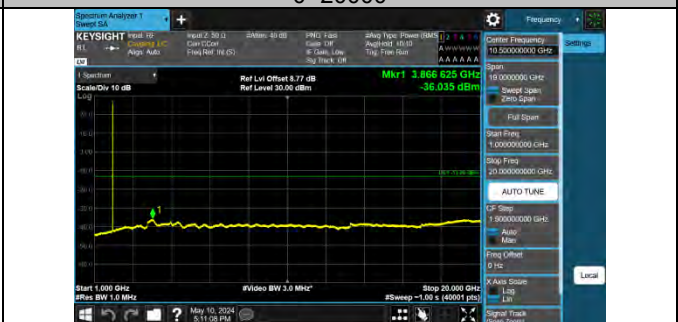
Band2\_20MHz\_QPSK\_18900\_100RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18900\_100RB#0\_1000~20000\_1000~20000



Band2\_20MHz\_QPSK\_19100\_1RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_19100\_1RB#0\_1000~20000\_1000~20000



BUREAU VERITAS

Reference No.: W7L-240430W002RF03



Band2\_20MHz\_QPSK\_19100\_1RB#99\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_19100\_1RB#99\_1000~20000\_1000~20000



Band2\_20MHz\_QPSK\_19100\_100RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_19100\_100RB#0\_1000~20000\_1000~20000



Reference No.: W7L-240430W002RF03

## 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
Band2	10MHz	QPSK	18650	50RB #0	VN	NT	700.00	0.38	1850.5307	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	VL	NT	8460.00	0.41	1850.54171	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	VH	NT	340.00	0.18	1850.52994	---	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VN	NT	-980.00	-0.51	---	1909.46652	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VL	NT	-2400.00	-1.26	---	1909.4627	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VH	NT	-770.00	-0.40	---	1909.46968	1850-1910	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band2	10MHz	QPSK	18650	50RB #0	NV	-30	-1380.00	-0.74	1850.52837	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	-20	-1400.00	-0.75	1850.52685	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	-10	510.00	0.27	1850.53256	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	0	-890.00	-0.48	1850.53141	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	10	867.00	0.47	1850.53942	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	20	160.00	0.09	1850.53271	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	30	770.00	0.42	1850.53562	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	40	-210.00	-0.11	1850.53169	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	50	190.00	0.10	1850.53364	---	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-30	-2910.00	-1.52	---	1909.46764	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-20	-1060.00	-0.56	---	1909.46534	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-10	-4190.00	-2.20	---	1909.46096	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	0	-1790.00	-0.94	---	1909.46096	1850-1910	PASS



BUREAU  
VERITAS

Reference No.: W7L-240430W002RF03

	z			#0			00			46426	1910	
Band2	10MH z	QPSK	19150	50RB #0	NV	10	-2610. 00	-1.37	---	1909. 46204	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	20	-3290. 00	-1.73	---	1909. 46401	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	30	-3080. 00	-1.62	---	1909. 46647	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	40	-1890. 00	-0.99	---	1909. 46741	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	50	904.6 6	0.47	---	1909. 46548	1850- 1910	PASS

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