



Test Report No.: PSU-NQN2405090215RF02

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

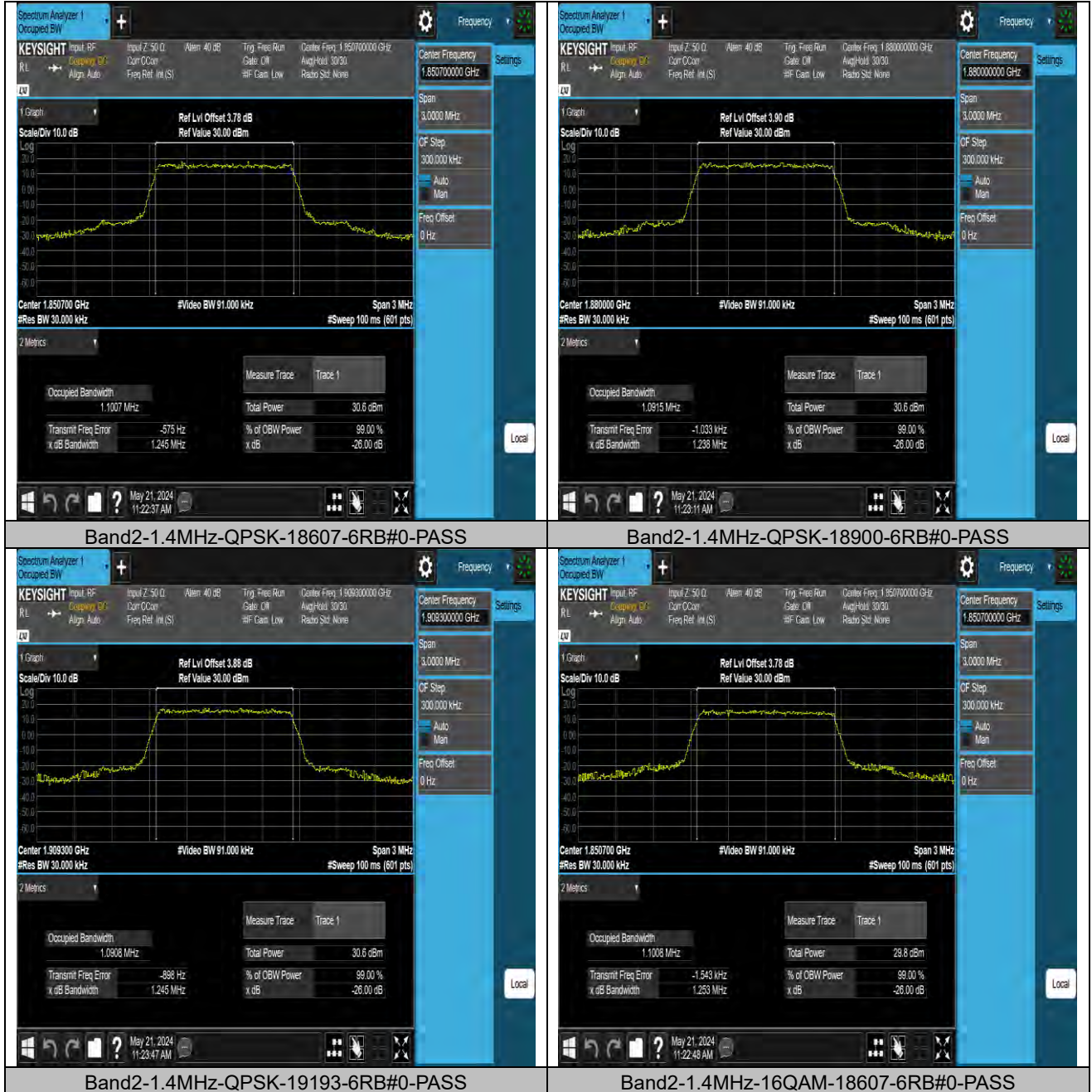
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.1007	1.245	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0915	1.238	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0908	1.245	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1008	1.253	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0973	1.249	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0977	1.248	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7097	3.029	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7060	3.010	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7110	3.022	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7047	3.038	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7038	3.030	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7022	3.030	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5357	5.017	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5303	5.012	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5311	5.018	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5043	5.006	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4995	4.989	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5031	4.992	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0192	9.965	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.0182	9.947	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0047	9.913	PASS
Band2	10MHz	16QAM	18650	50RB#0	9.0117	9.950	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.0074	9.935	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9933	9.899	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.515	14.96	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.501	15.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.449	14.84	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.504	14.93	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.510	14.92	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.438	14.87	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.022	19.75	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.092	19.84	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.002	19.71	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.981	19.68	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.023	19.64	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.906	19.64	PASS



BUREAU VERITAS

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Test Graphs



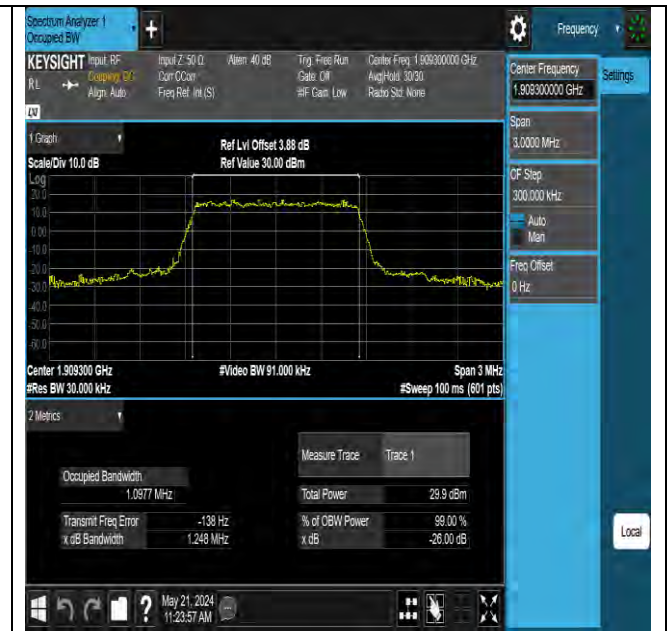


BUREAU VERITAS

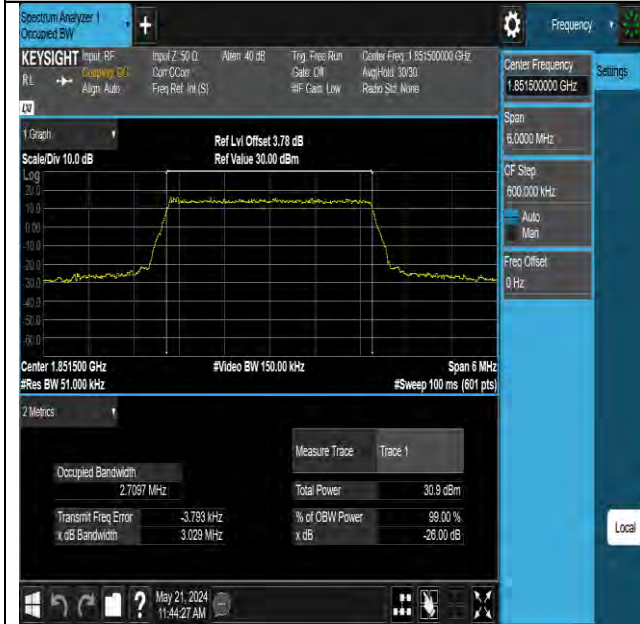
Test Report No.: PSU-NQN2405090215RF02



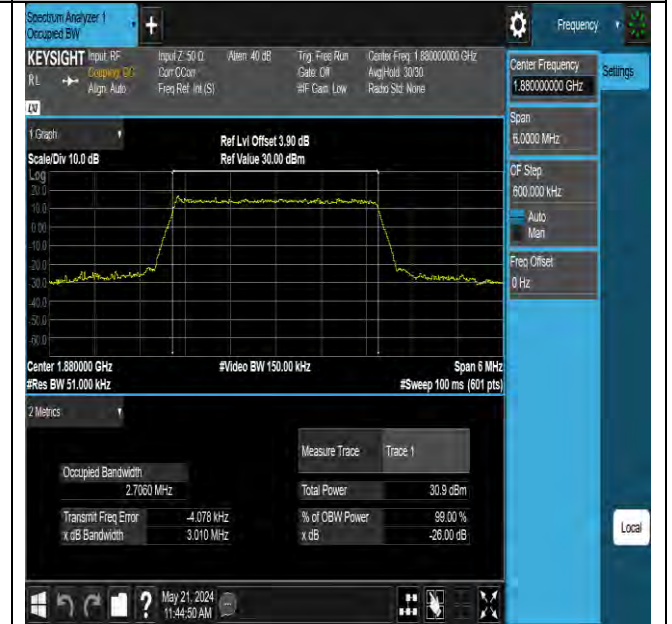
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



Band2-1.4MHz-16QAM-19193-6RB#0-PASS



Band2-3MHz-QPSK-18615-15RB#0-PASS

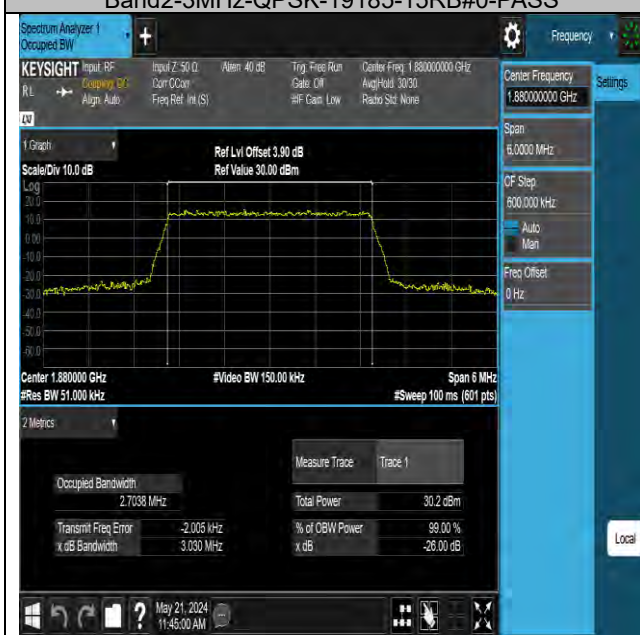
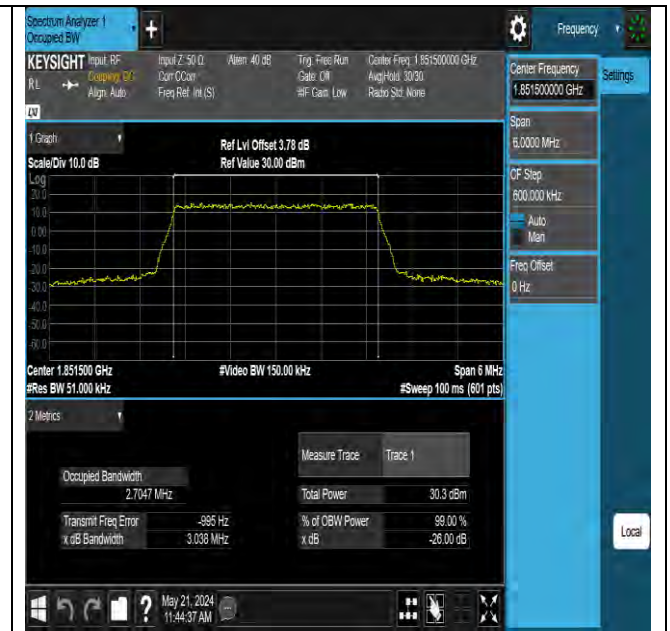


Band2-3MHz-QPSK-18900-15RB#0-PASS



BUREAU VERITAS

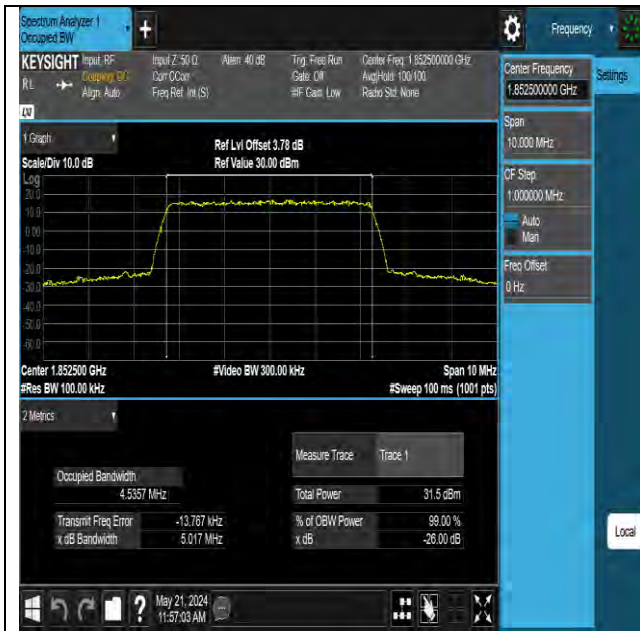
Test Report No.: PSU-NQN2405090215RF02



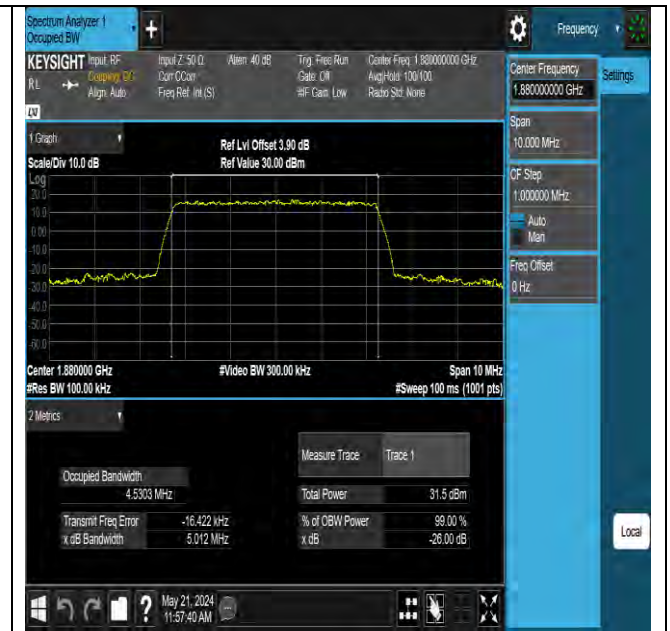


BUREAU VERITAS

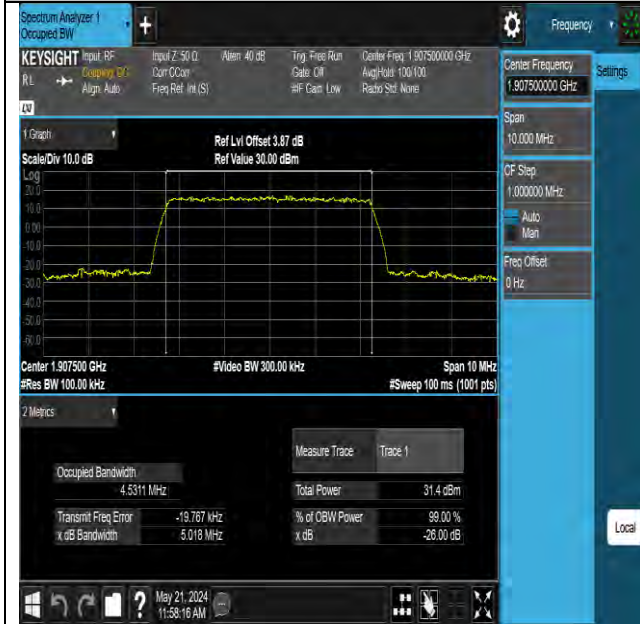
Test Report No.: PSU-NQN2405090215RF02



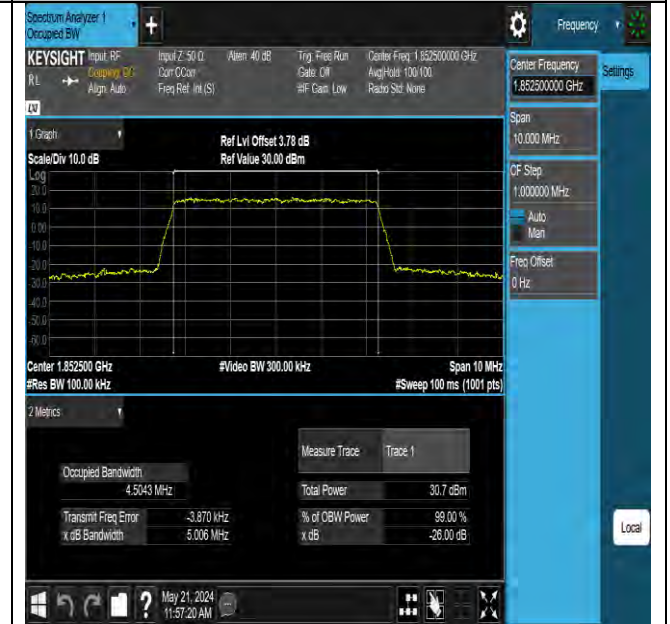
Band2-5MHz-QPSK-18625-25RB#0-PASS



Band2-5MHz-QPSK-18900-25RB#0-PASS



Band2-5MHz-QPSK-19175-25RB#0-PASS



Band2-5MHz-16QAM-18625-25RB#0-PASS

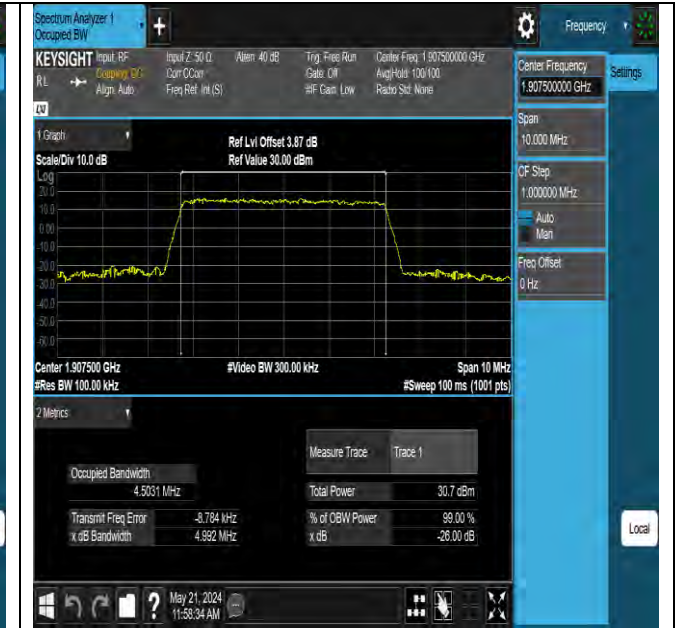


BUREAU VERITAS

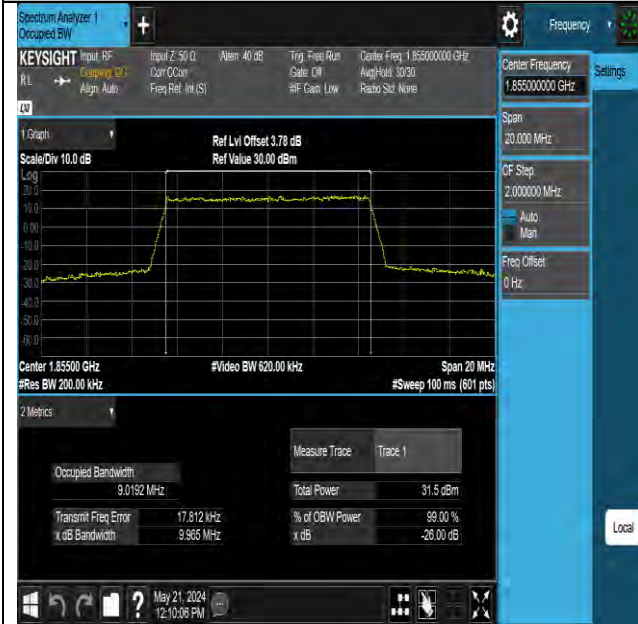
Test Report No.: PSU-NQN2405090215RF02



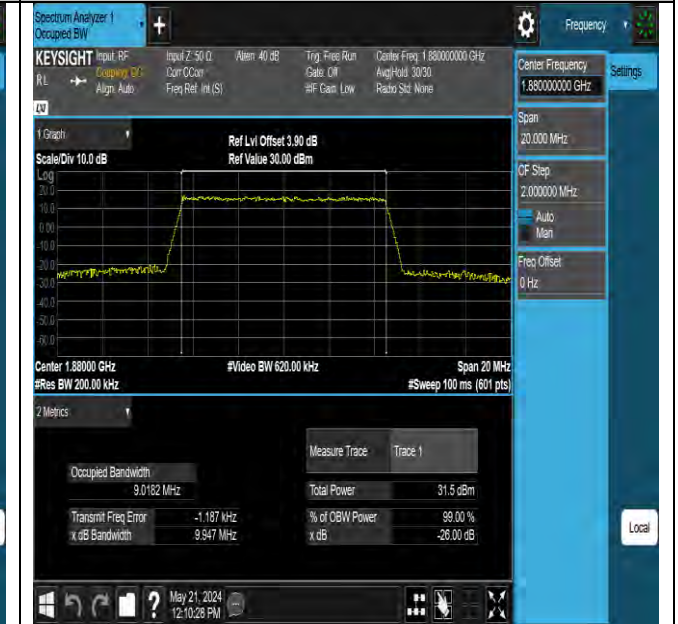
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Band2-5MHz-16QAM-19175-25RB#0-PASS



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

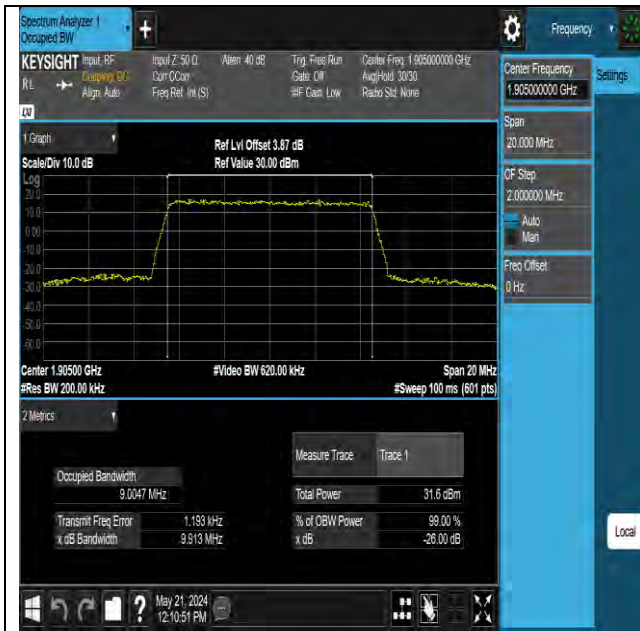


Band2-10MHz-QPSK-18900-50RB#0-PASS

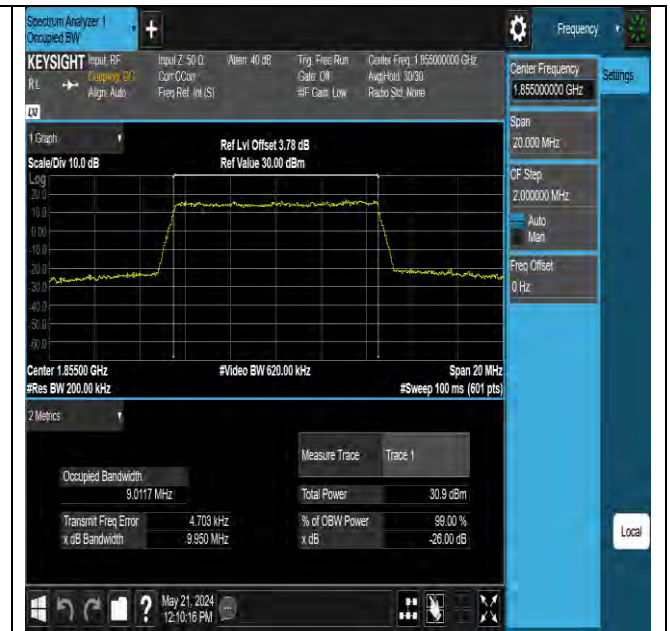


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Band2-10MHz-QPSK-19150-50RB#0-PASS



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



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



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

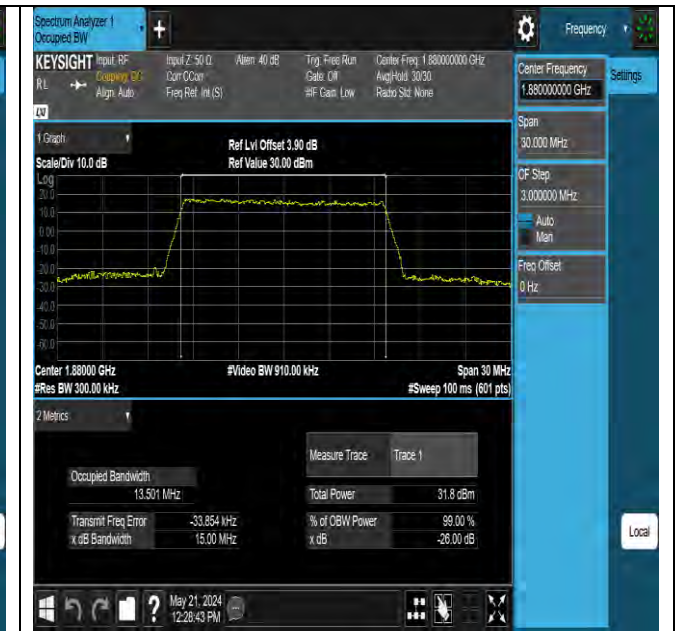


BUREAU VERITAS

Test Report No.: PSU-NQN2405090215RF02



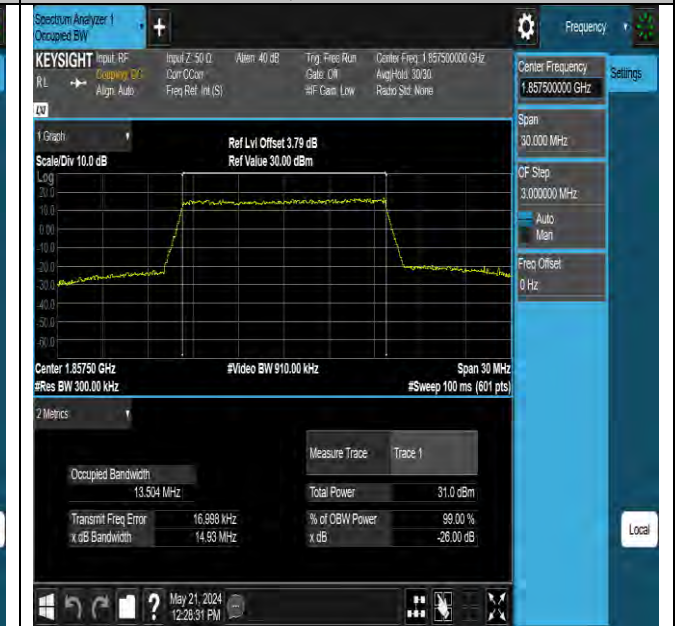
Band2-15MHz-QPSK-18675-75RB#0-PASS



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



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

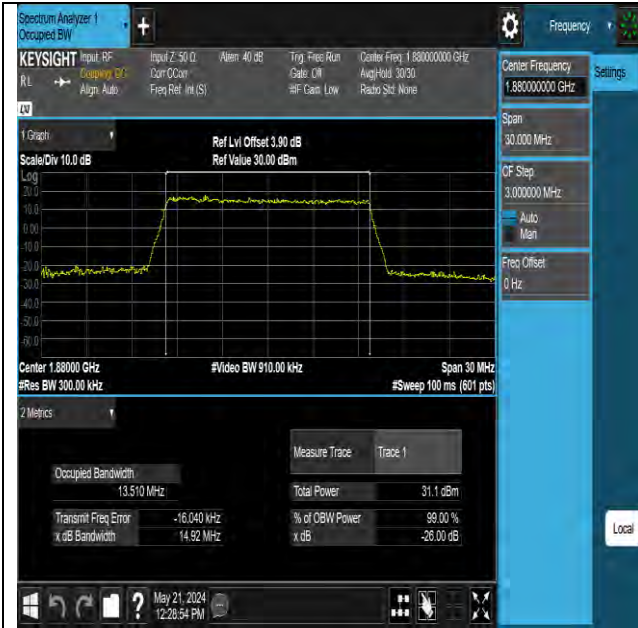


Band2-15MHz-16QAM-18675-75RB#0-PASS

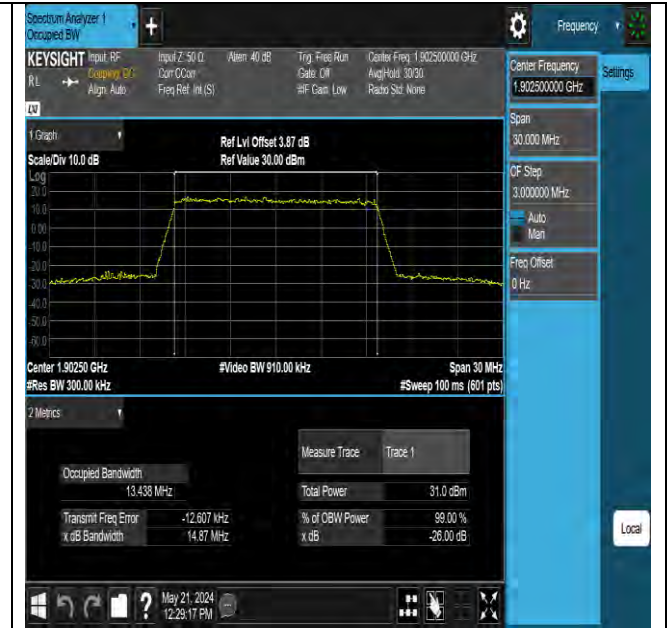


BUREAU VERITAS

Test Report No.: PSU-NQN2405090215RF02



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

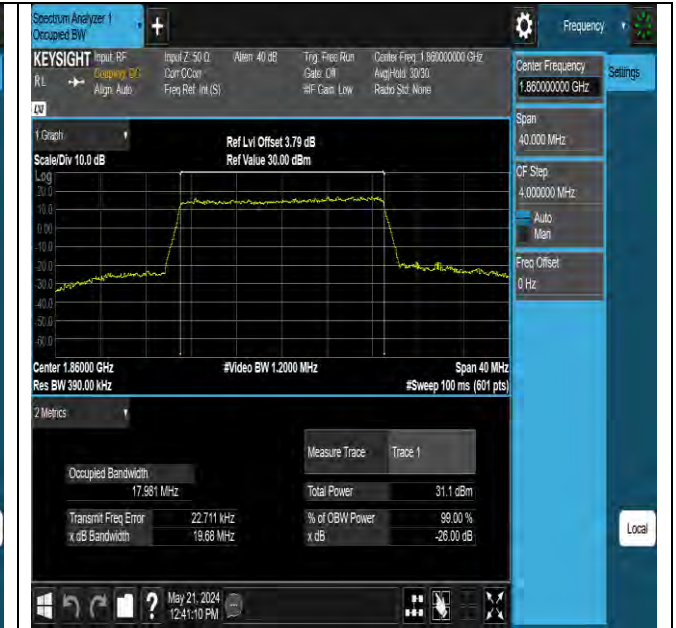


BUREAU VERITAS

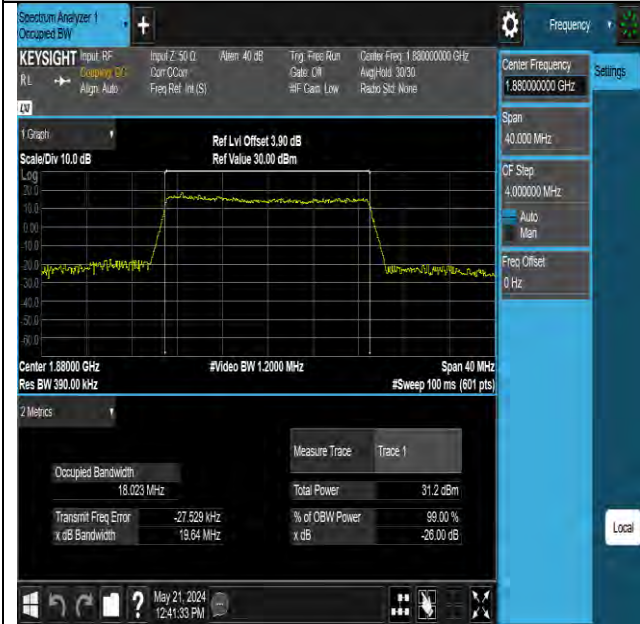
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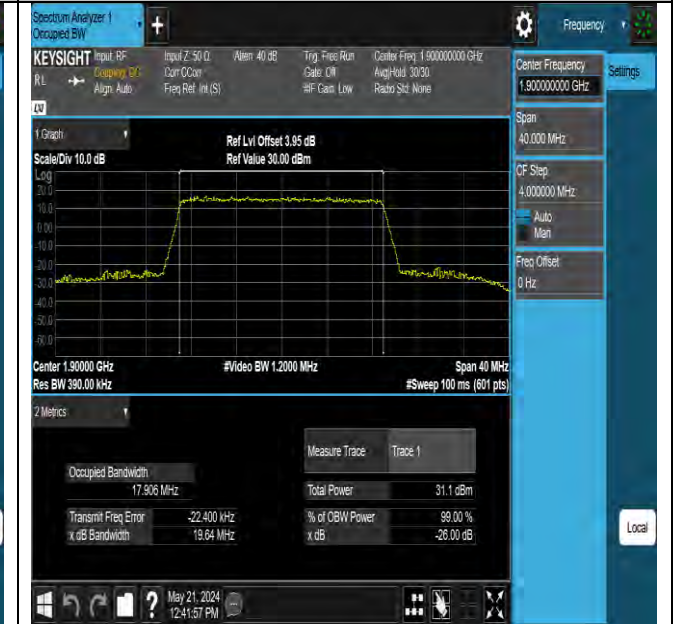
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



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



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



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-26.70	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-29.53	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-24.40	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-30.46	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-26.23	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.30	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-24.56	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-30.34	PASS
Band2	3MHz	QPSK	18615	1RB#0	-16.72	PASS
Band2	3MHz	QPSK	18615	15RB#0	-26.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	-16.58	PASS
Band2	3MHz	QPSK	19185	15RB#0	-27.15	PASS
Band2	3MHz	16QAM	18615	1RB#0	-16.98	PASS
Band2	3MHz	16QAM	18615	15RB#0	-25.65	PASS
Band2	3MHz	16QAM	19185	1RB#14	-16.23	PASS
Band2	3MHz	16QAM	19185	15RB#0	-26.72	PASS
Band2	5MHz	QPSK	18625	1RB#0	-24.36	PASS
Band2	5MHz	QPSK	18625	25RB#0	-26.70	PASS
Band2	5MHz	QPSK	19175	1RB#24	-24.62	PASS
Band2	5MHz	QPSK	19175	25RB#0	-28.36	PASS
Band2	5MHz	16QAM	18625	1RB#0	-25.48	PASS
Band2	5MHz	16QAM	18625	25RB#0	-26.36	PASS
Band2	5MHz	16QAM	19175	1RB#24	-26.69	PASS
Band2	5MHz	16QAM	19175	25RB#0	-27.96	PASS
Band2	10MHz	QPSK	18650	1RB#0	-33.88	PASS
Band2	10MHz	QPSK	18650	50RB#0	-28.65	PASS
Band2	10MHz	QPSK	19150	1RB#49	-33.67	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.30	PASS
Band2	10MHz	16QAM	18650	1RB#0	-33.67	PASS
Band2	10MHz	16QAM	18650	50RB#0	-28.51	PASS
Band2	10MHz	16QAM	19150	1RB#49	-33.41	PASS
Band2	10MHz	16QAM	19150	50RB#0	-31.28	PASS
Band2	15MHz	QPSK	18675	1RB#0	-36.24	PASS
Band2	15MHz	QPSK	18675	75RB#0	-30.19	PASS
Band2	15MHz	QPSK	19125	1RB#74	-37.81	PASS
Band2	15MHz	QPSK	19125	75RB#0	-31.99	PASS
Band2	15MHz	16QAM	18675	1RB#0	-36.97	PASS
Band2	15MHz	16QAM	18675	75RB#0	-29.84	PASS
Band2	15MHz	16QAM	19125	1RB#74	-37.15	PASS
Band2	15MHz	16QAM	19125	75RB#0	-31.89	PASS
Band2	20MHz	QPSK	18700	1RB#0	-39.45	PASS
Band2	20MHz	QPSK	18700	100RB#0	-32.85	PASS
Band2	20MHz	QPSK	19100	1RB#99	-40.92	PASS
Band2	20MHz	QPSK	19100	100RB#0	-32.50	PASS

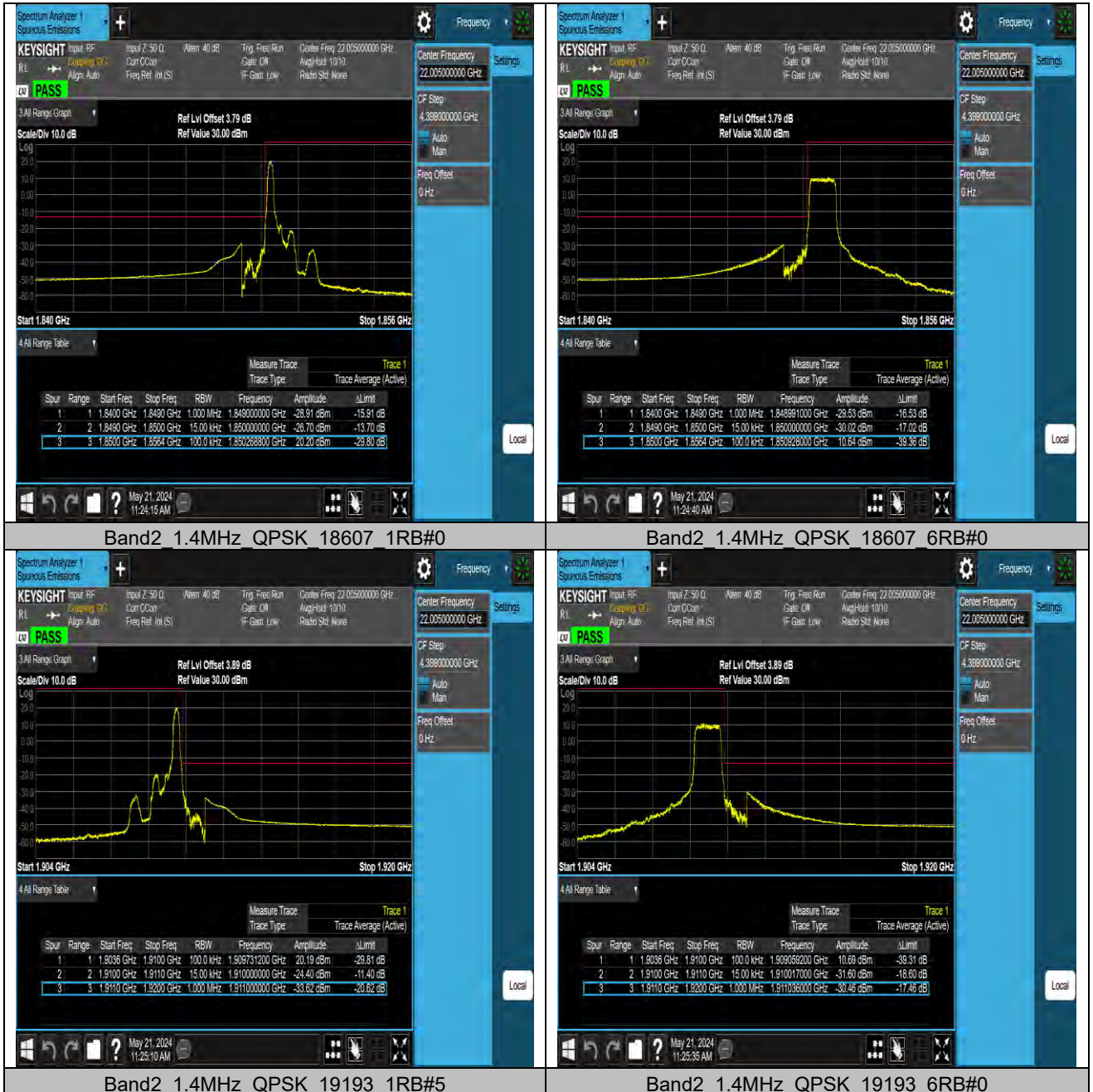


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VERITAS**

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Band2	20MHz	16QAM	18700	1RB#0	-40.08	PASS
Band2	20MHz	16QAM	18700	100RB#0	-32.73	PASS
Band2	20MHz	16QAM	19100	1RB#99	-41.28	PASS
Band2	20MHz	16QAM	19100	100RB#0	-33.01	PASS

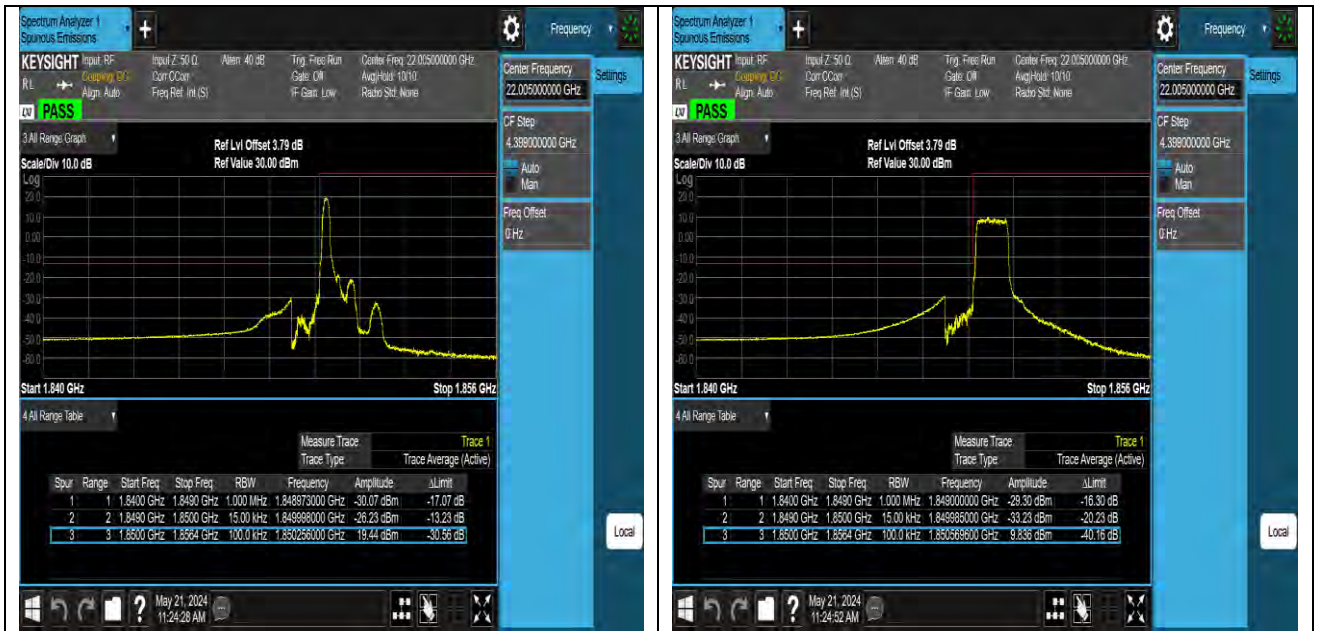
Test Graphs





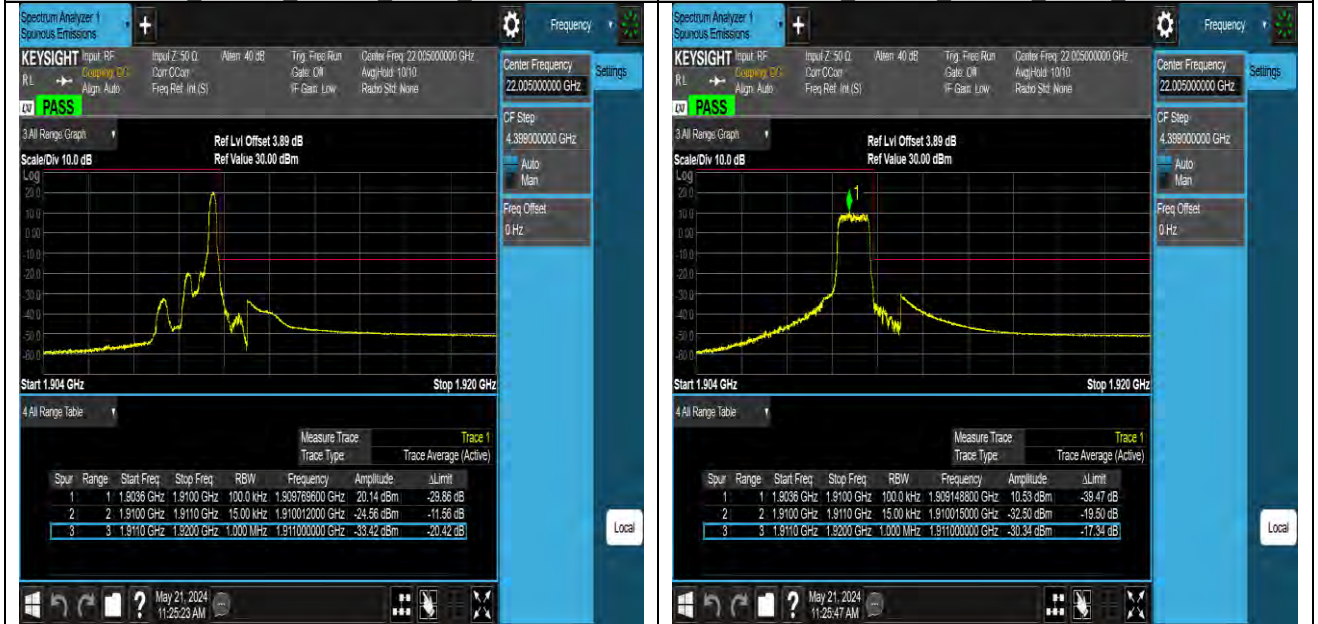
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Band2 1.4MHz 16QAM 18607 1RB#0

Band2 1.4MHz 16QAM 18607 6RB#0



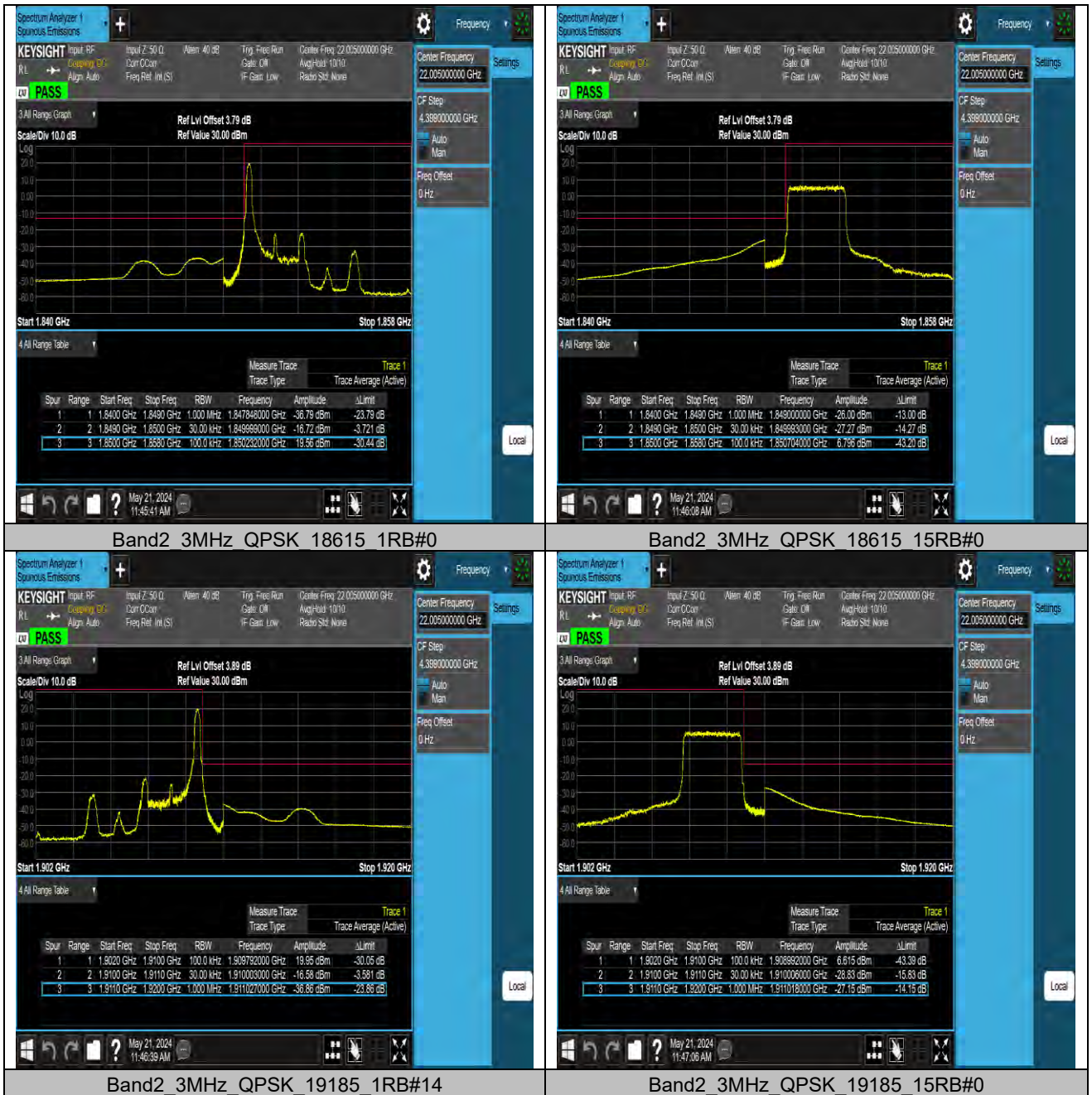
Band2 1.4MHz 16QAM 19193 1RB#5

Band2 1.4MHz 16QAM 19193 6RB#0



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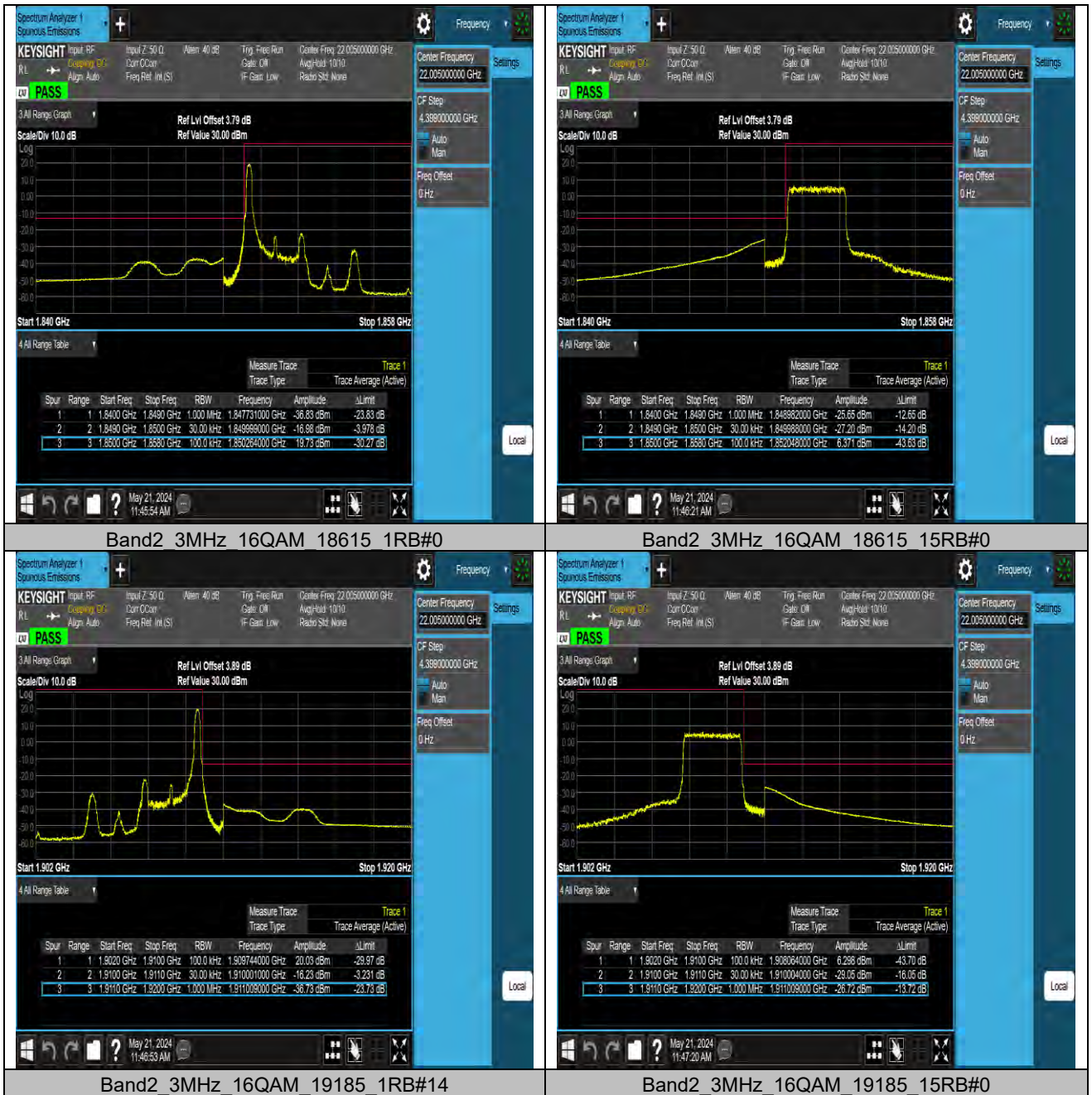
Test Report No.: PSU-NQN2405090215RF02





**BUREAU
VERITAS**

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BUREAU VERITAS

Test Report No.: PSU-NQN2405090215RF02



Band2 5MHz QPSK 18625 1RB#0

Band2 5MHz QPSK 18625 25RB#0



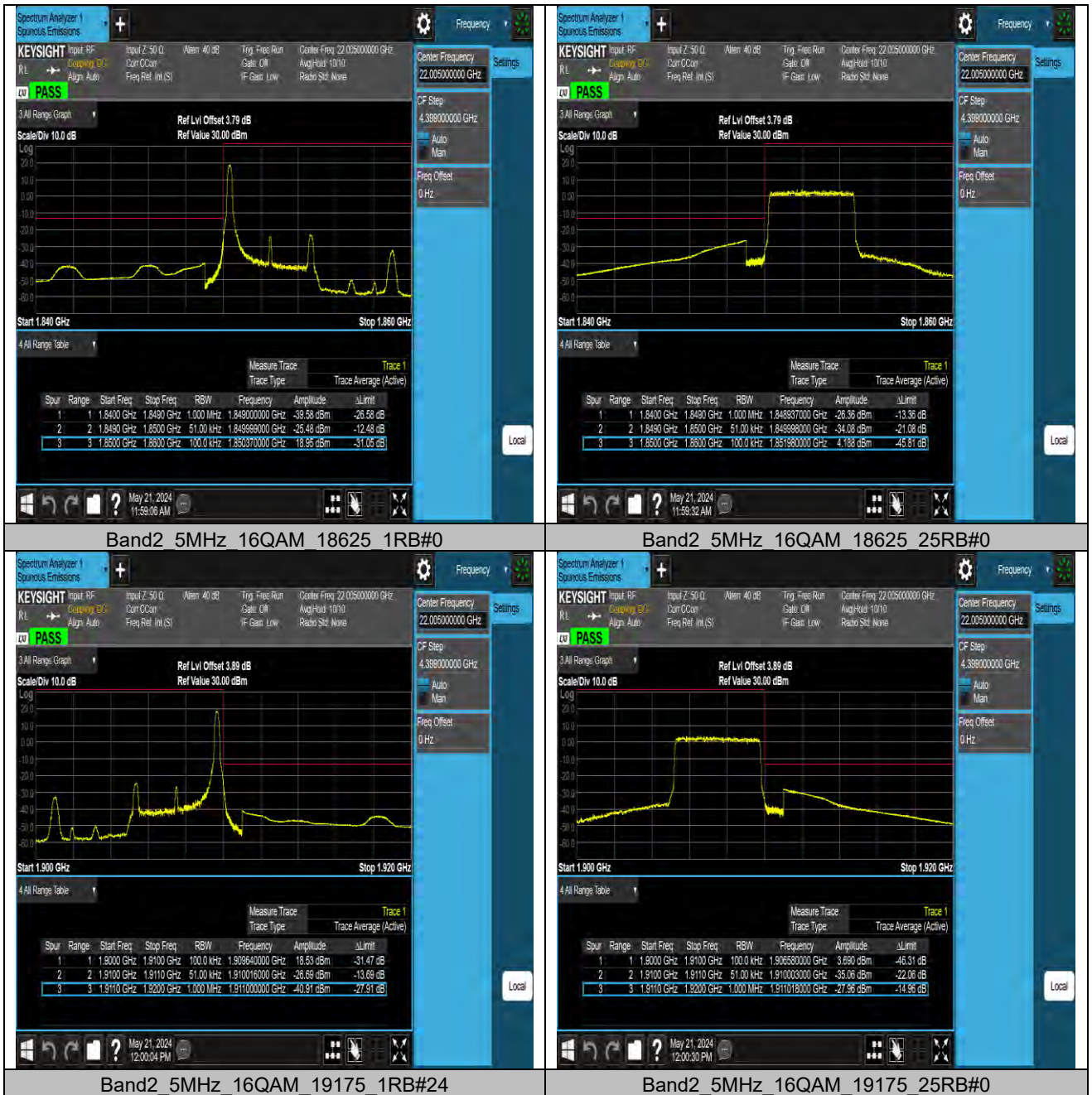
Band2 5MHz QPSK 19175 1RB#24

Band2 5MHz QPSK 19175 25RB#0



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VERITAS**

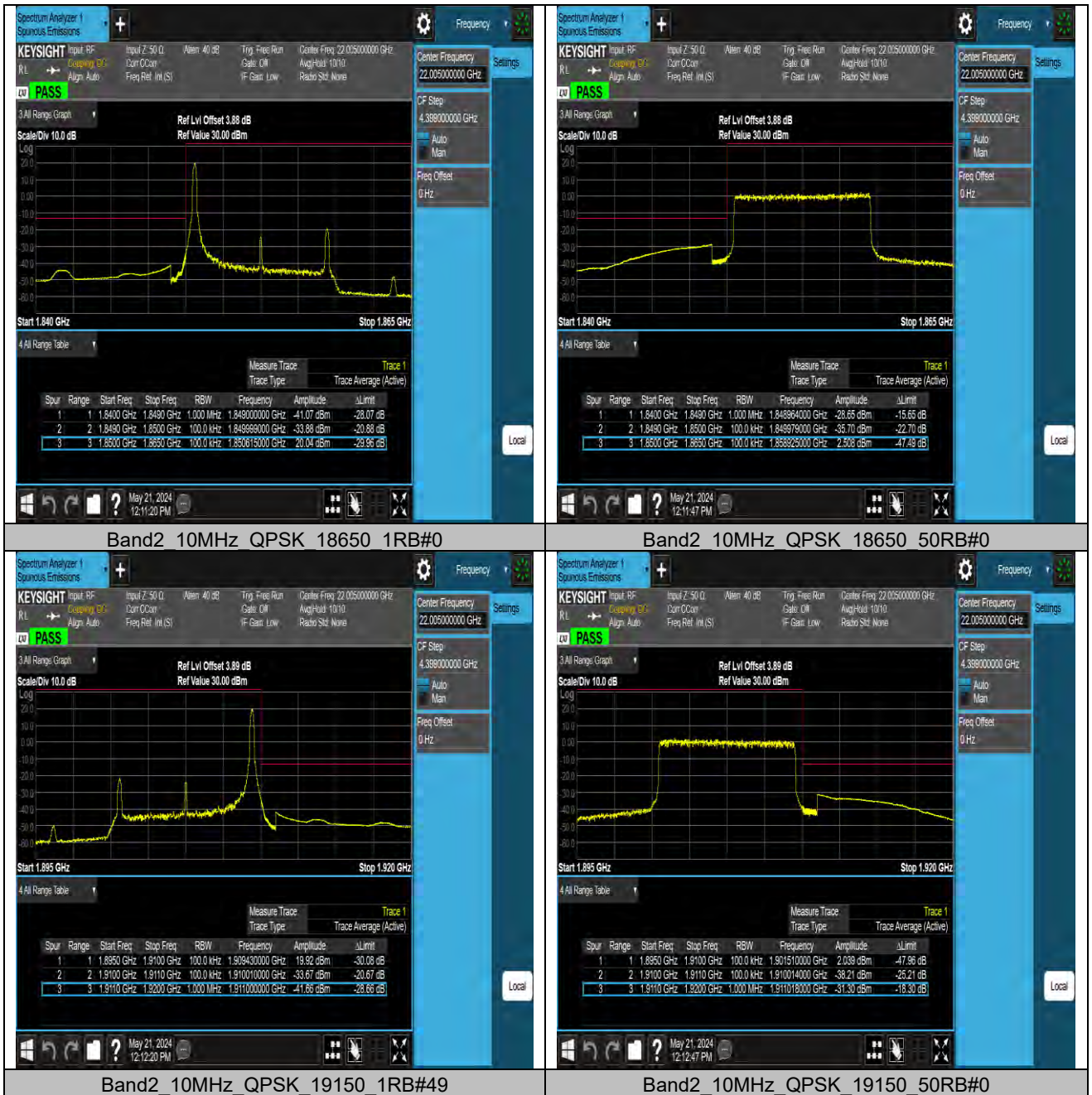
Test Report No.: PSU-NQN2405090215RF02





BUREAU VERITAS

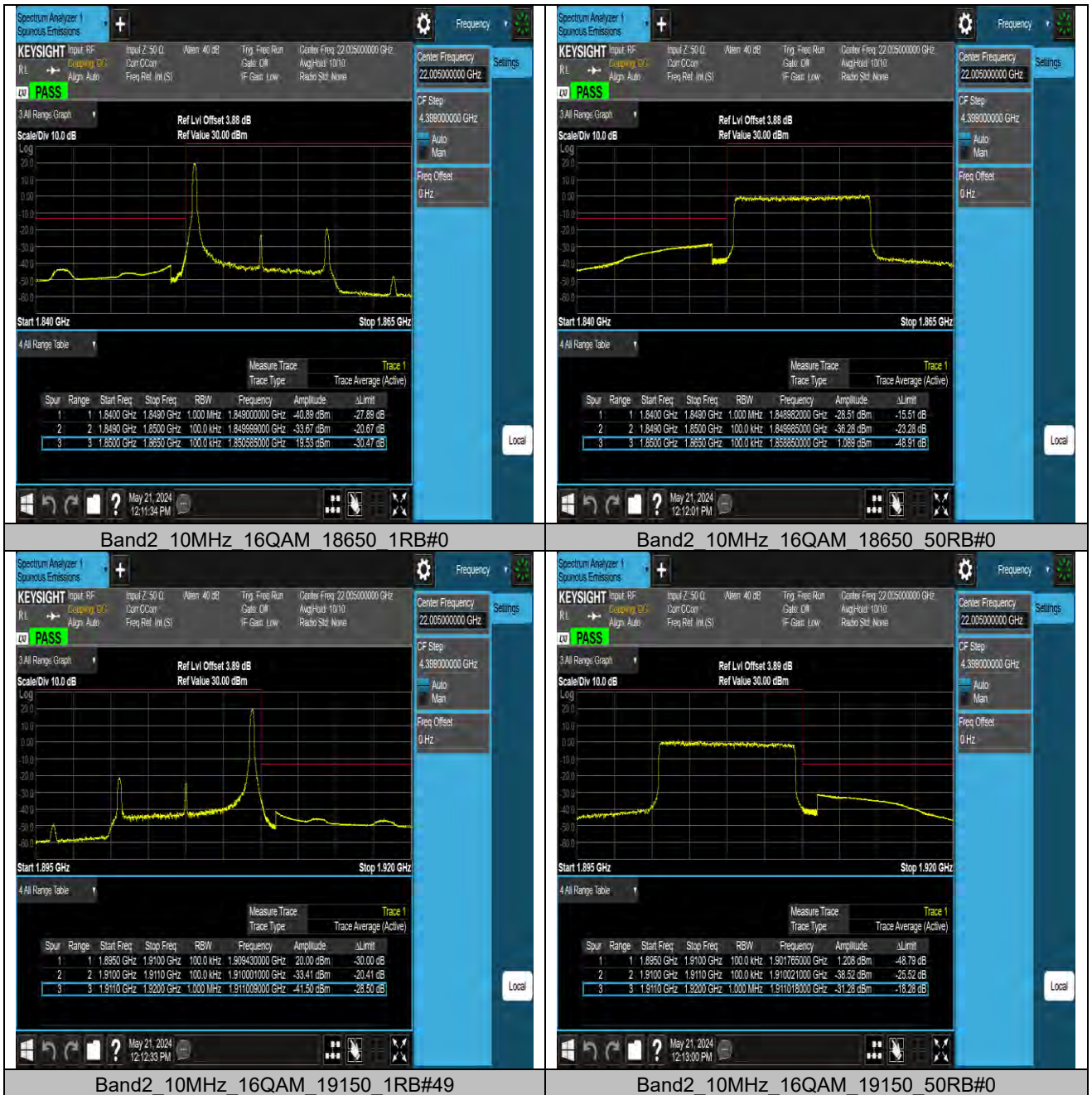
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VERITAS**

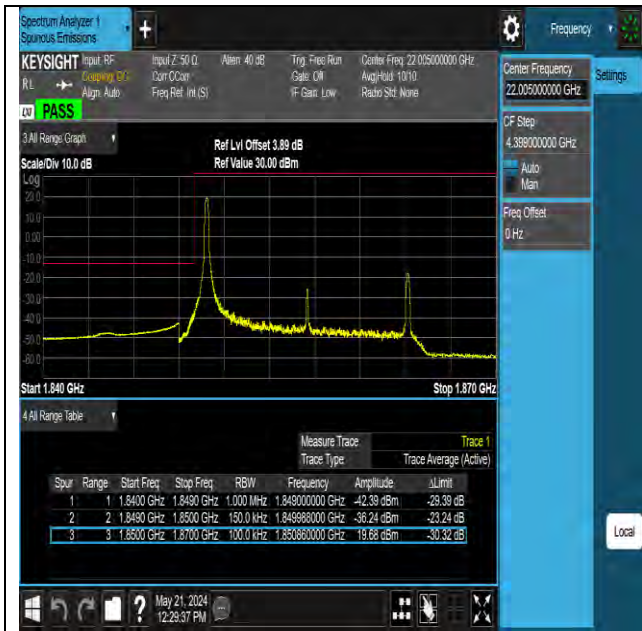
Test Report No.: PSU-NQN2405090215RF02



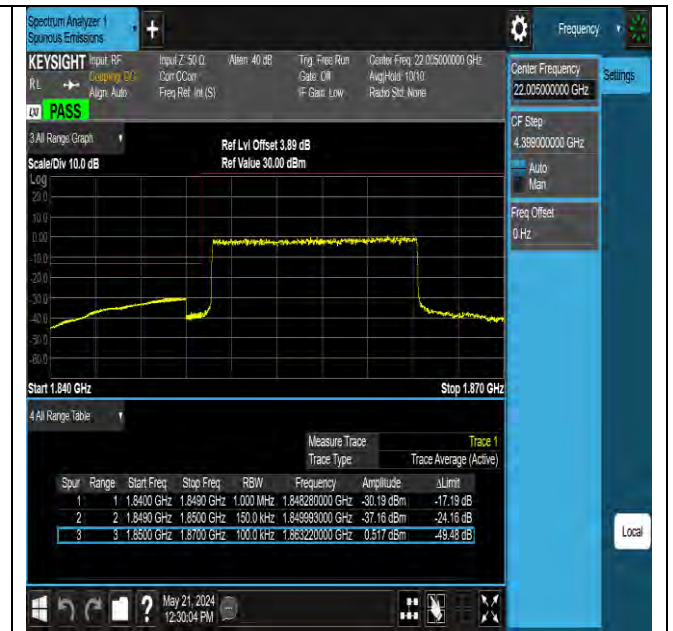


BUREAU VERITAS

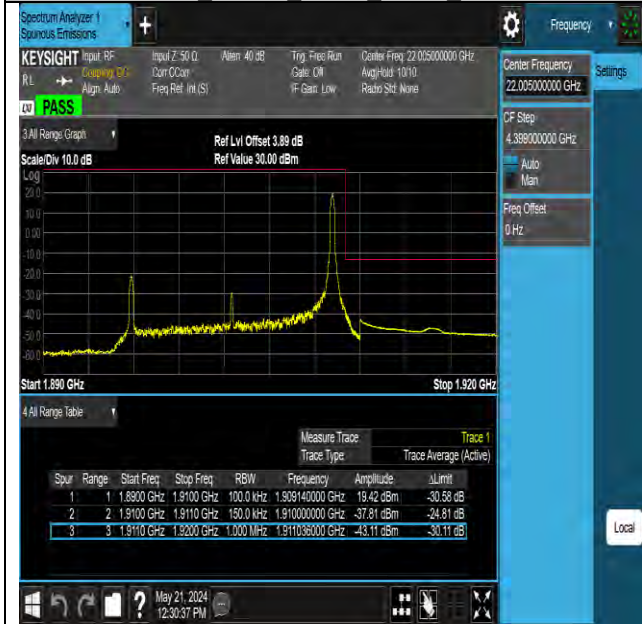
Test Report No.: PSU-NQN2405090215RF02



Band2 15MHz QPSK 18675 1RB#0



Band2 15MHz QPSK 18675 75RB#0



Band2 15MHz QPSK 19125 1RB#74



Band2 15MHz QPSK 19125 75RB#0



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Band2_15MHz_16QAM_18675_1RB#0

Band2_15MHz_16QAM_18675_75RB#0



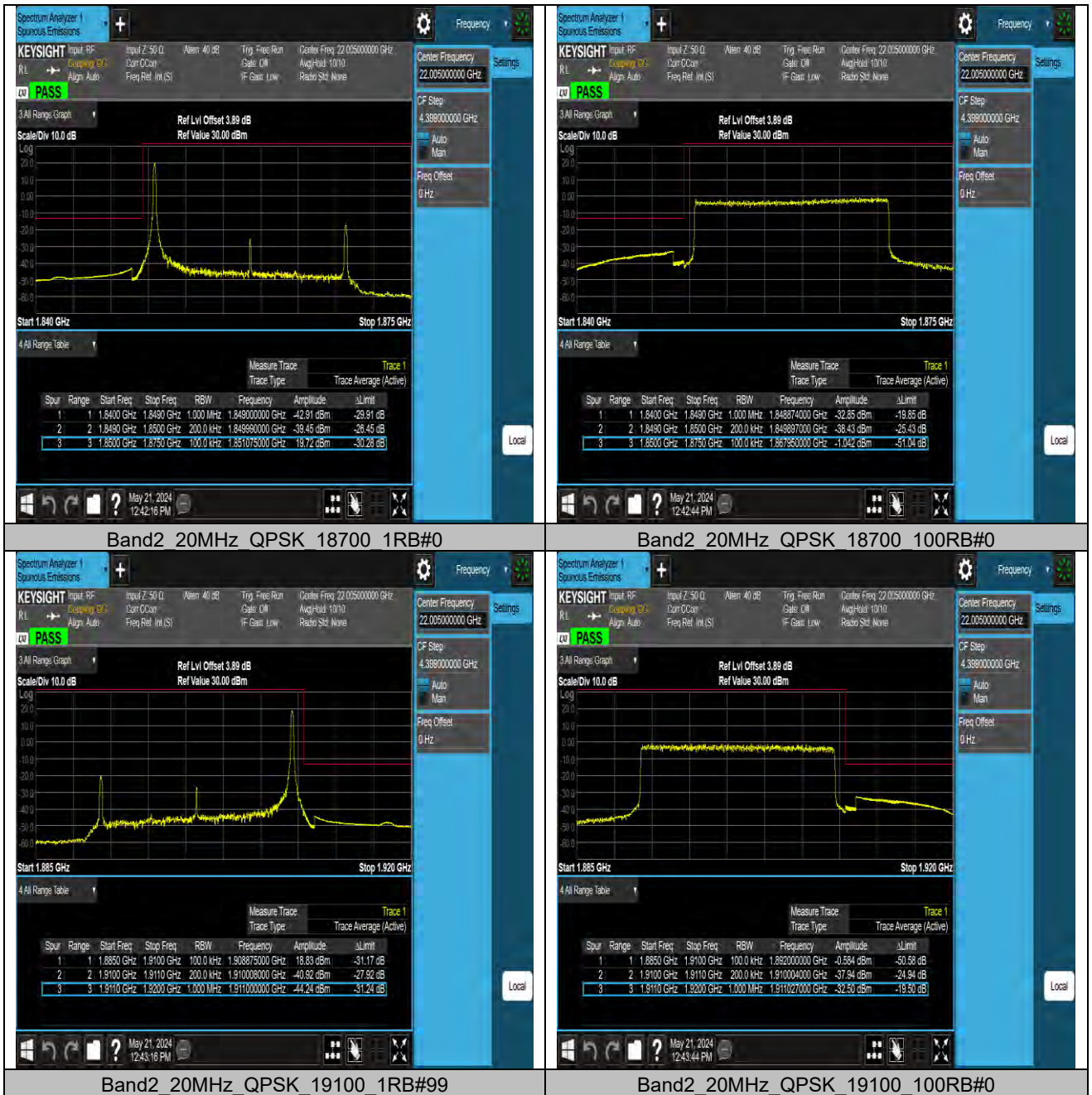
Band2_15MHz_16QAM_19125_1RB#74

Band2_15MHz_16QAM_19125_75RB#0



BUREAU VERITAS

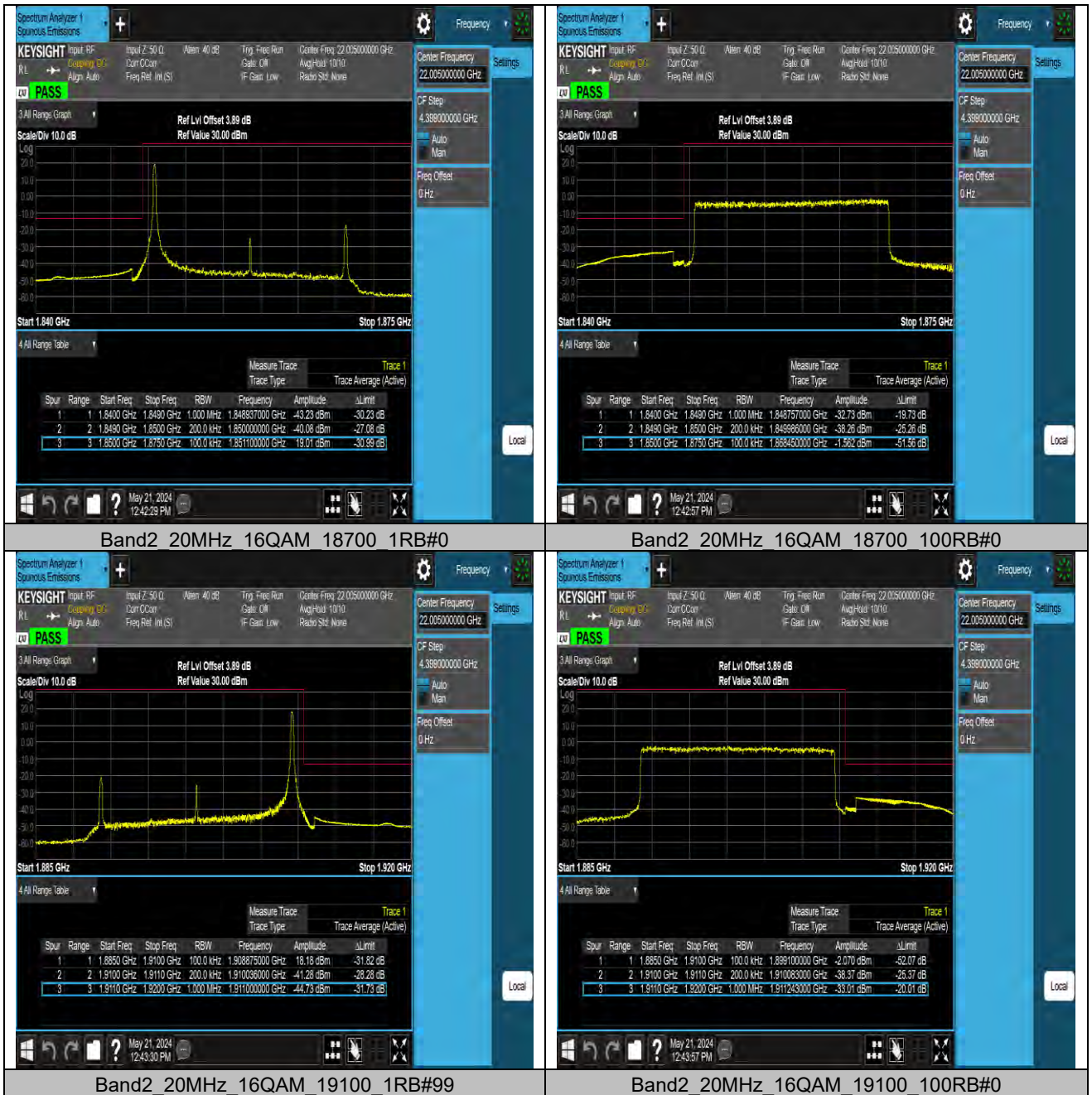
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**BUREAU
VERITAS**

Test Report No.: PSU-NQN2405090215RF02





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	-58.21	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~10000	-38.51	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	10000~20000	-36.05	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000	-58.27	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~10000	-38.51	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	10000~20000	-35.87	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000	-58.11	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~10000	-38.43	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	10000~20000	-36.06	PASS
Band2	3MHz	QPSK	18615	1RB#0	30~1000	-58.22	PASS
Band2	3MHz	QPSK	18615	1RB#0	1000~10000	-38.42	PASS
Band2	3MHz	QPSK	18615	1RB#0	10000~20000	-35.96	PASS
Band2	3MHz	QPSK	18900	1RB#0	30~1000	-58.18	PASS
Band2	3MHz	QPSK	18900	1RB#0	1000~10000	-38.46	PASS
Band2	3MHz	QPSK	18900	1RB#0	10000~20000	-35.89	PASS
Band2	3MHz	QPSK	19185	1RB#0	30~1000	-58.18	PASS
Band2	3MHz	QPSK	19185	1RB#0	1000~10000	-38.42	PASS
Band2	3MHz	QPSK	19185	1RB#0	10000~20000	-35.83	PASS
Band2	5MHz	QPSK	18625	1RB#0	30~1000	-58.16	PASS
Band2	5MHz	QPSK	18625	1RB#0	1000~10000	-38.48	PASS
Band2	5MHz	QPSK	18625	1RB#0	10000~20000	-35.91	PASS
Band2	5MHz	QPSK	18900	1RB#0	30~1000	-58.10	PASS
Band2	5MHz	QPSK	18900	1RB#0	1000~10000	-38.30	PASS
Band2	5MHz	QPSK	18900	1RB#0	10000~20000	-35.90	PASS
Band2	5MHz	QPSK	19175	1RB#0	30~1000	-58.18	PASS
Band2	5MHz	QPSK	19175	1RB#0	1000~10000	-38.29	PASS
Band2	5MHz	QPSK	19175	1RB#0	10000~20000	-35.81	PASS
Band2	10MHz	QPSK	18650	1RB#0	30~1000	-58.22	PASS
Band2	10MHz	QPSK	18650	1RB#0	1000~10000	-38.45	PASS
Band2	10MHz	QPSK	18650	1RB#0	10000~20000	-35.93	PASS
Band2	10MHz	QPSK	18900	1RB#0	30~1000	-58.19	PASS
Band2	10MHz	QPSK	18900	1RB#0	1000~10000	-38.53	PASS
Band2	10MHz	QPSK	18900	1RB#0	10000~20000	-35.93	PASS
Band2	10MHz	QPSK	19150	1RB#0	30~1000	-58.14	PASS
Band2	10MHz	QPSK	19150	1RB#0	1000~10000	-38.43	PASS
Band2	10MHz	QPSK	19150	1RB#0	10000~20000	-35.94	PASS
Band2	15MHz	QPSK	18675	1RB#0	30~1000	-58.24	PASS
Band2	15MHz	QPSK	18675	1RB#0	1000~10000	-38.46	PASS
Band2	15MHz	QPSK	18675	1RB#0	10000~20000	-35.94	PASS
Band2	15MHz	QPSK	18900	1RB#0	30~1000	-58.21	PASS
Band2	15MHz	QPSK	18900	1RB#0	1000~10000	-38.43	PASS
Band2	15MHz	QPSK	18900	1RB#0	10000~20000	-35.87	PASS
Band2	15MHz	QPSK	19125	1RB#0	30~1000	-58.15	PASS
Band2	15MHz	QPSK	19125	1RB#0	1000~10000	-38.43	PASS



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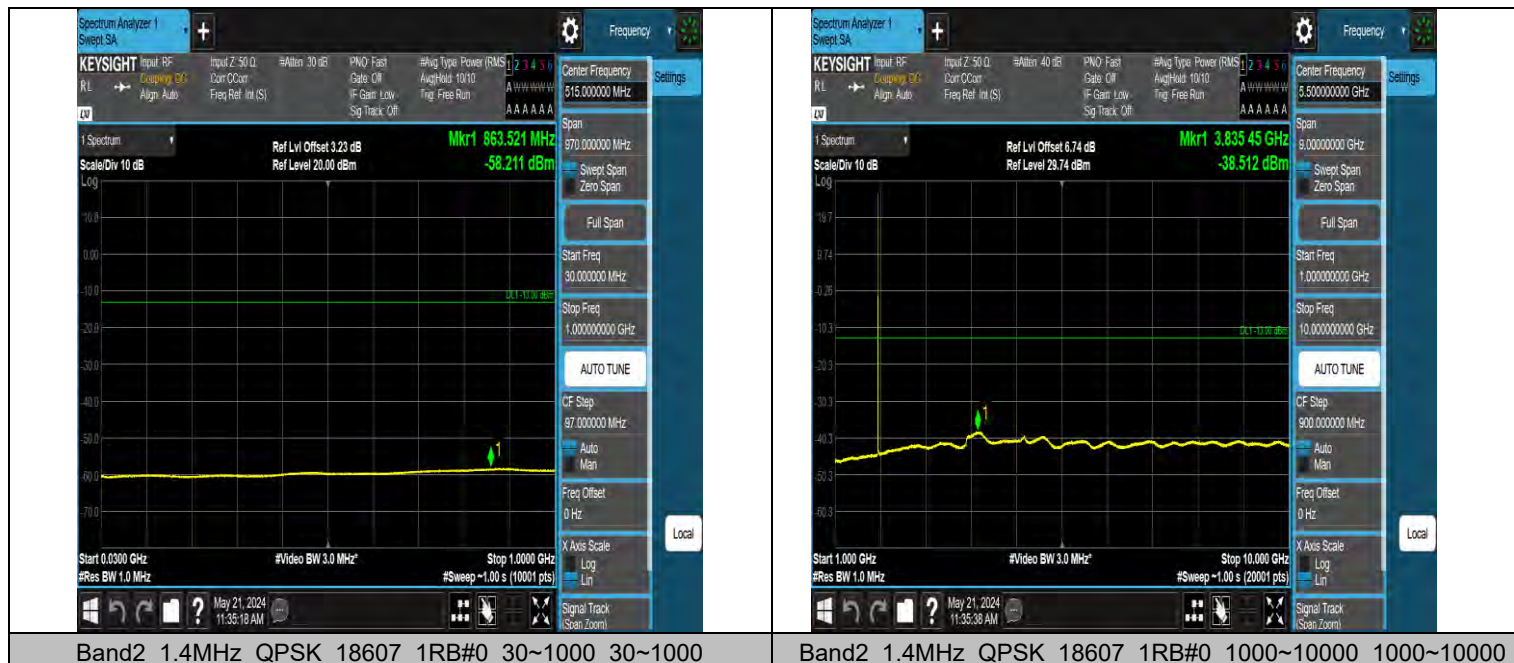
Test Report No.: PSU-NQN2405090215RF02

Band2	15MHz	QPSK	19125	1RB#0	10000~20000	-35.90	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000	-58.21	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~10000	-37.28	PASS
Band2	20MHz	QPSK	18700	1RB#0	10000~20000	-35.96	PASS
Band2	20MHz	QPSK	18900	1RB#0	30~1000	-58.16	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~10000	-38.39	PASS
Band2	20MHz	QPSK	18900	1RB#0	10000~20000	-35.92	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000	-58.18	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~10000	-38.42	PASS
Band2	20MHz	QPSK	19100	1RB#0	10000~20000	-35.92	PASS



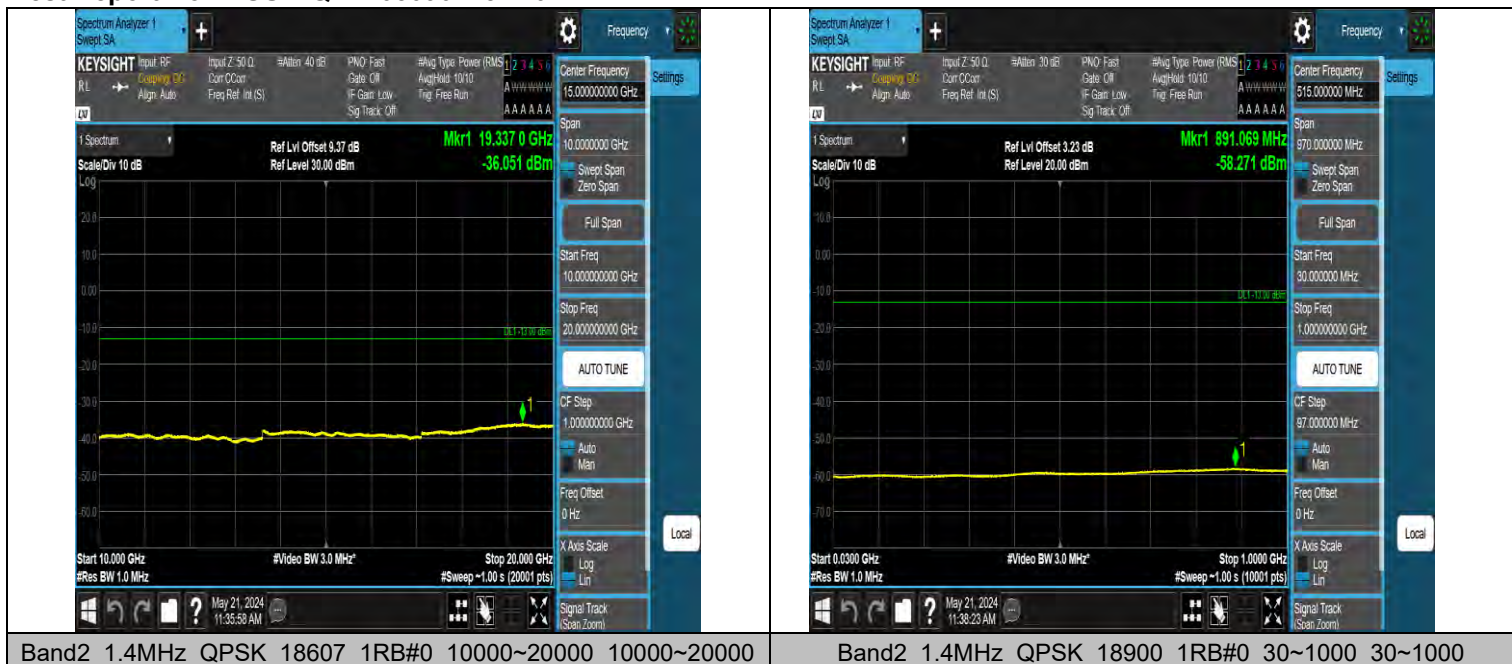
Test Report No.: PSU-NQN2405090215RF02

Test Graphs





Test Report No.: PSU-NQN2405090215RF02

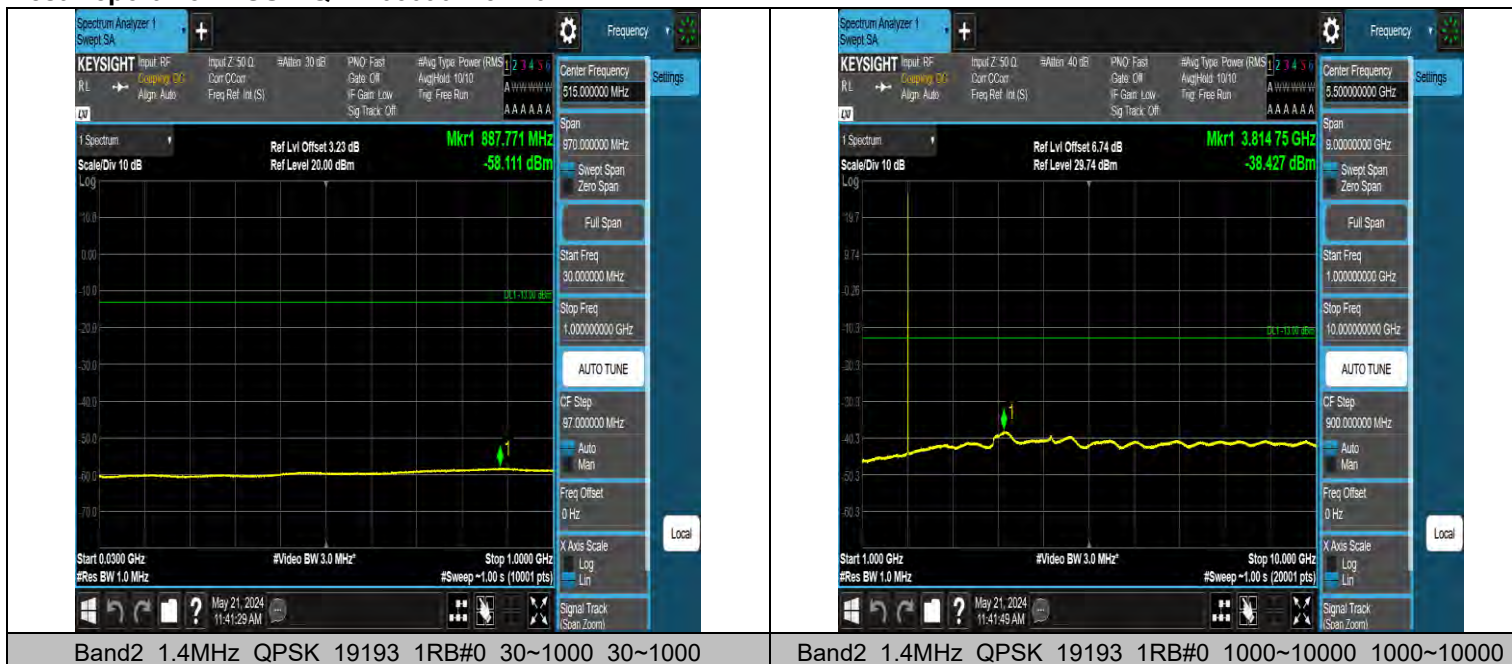


Test Report No.: PSU-NQN2405090215RF02





Test Report No.: PSU-NQN2405090215RF02



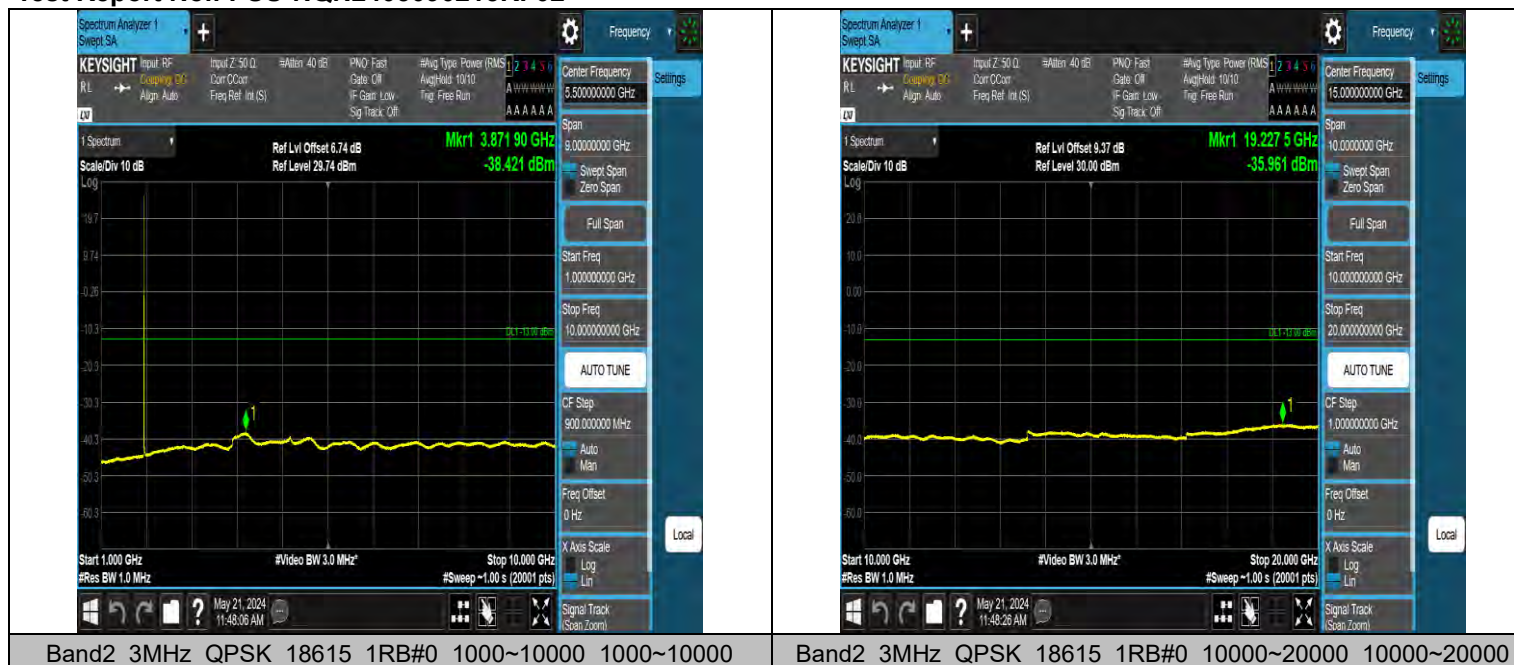


Test Report No.: PSU-NQN2405090215RF02



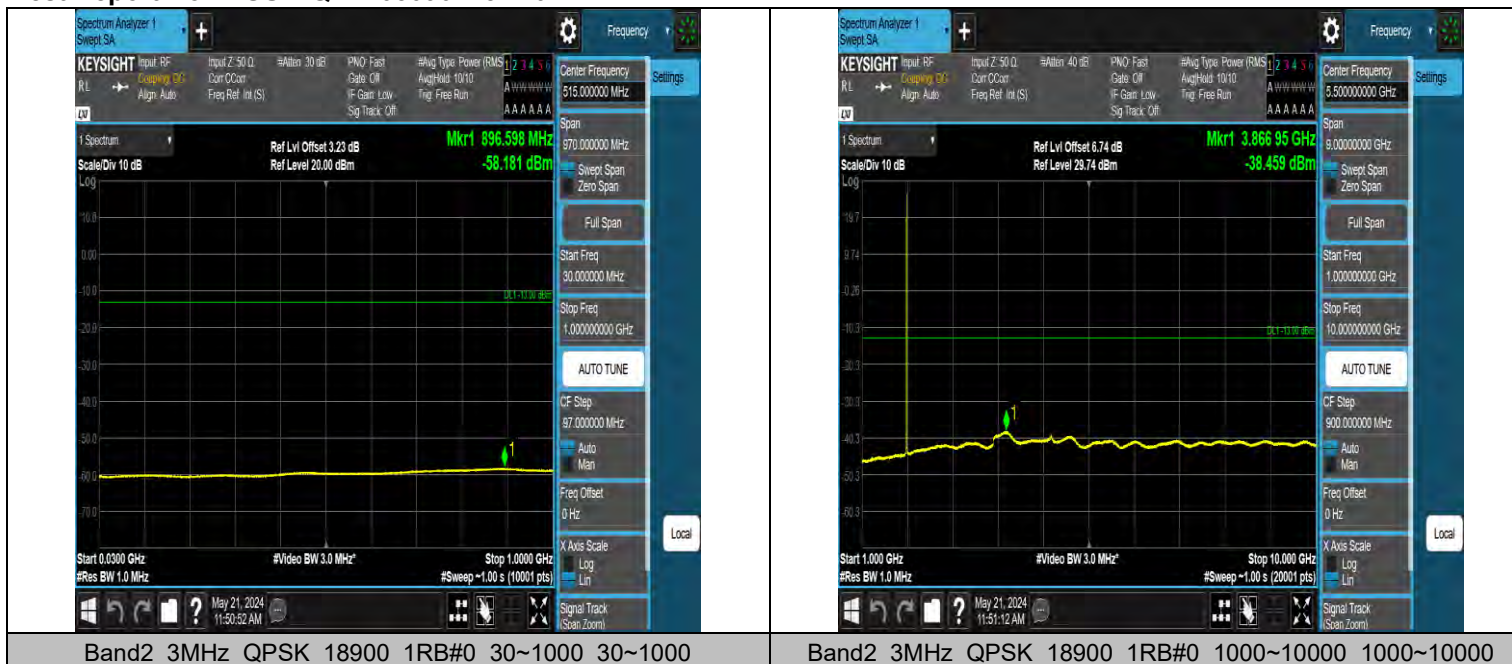


Test Report No.: PSU-NQN2405090215RF02



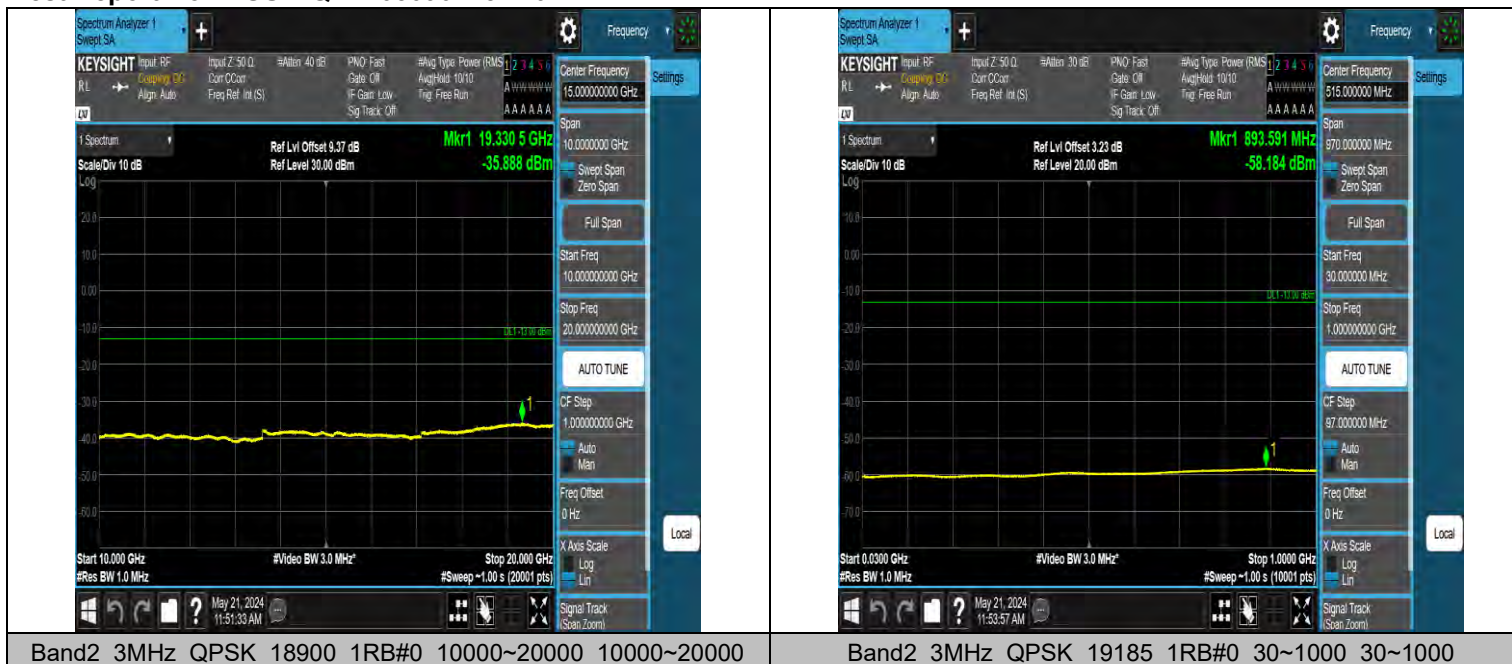


Test Report No.: PSU-NQN2405090215RF02



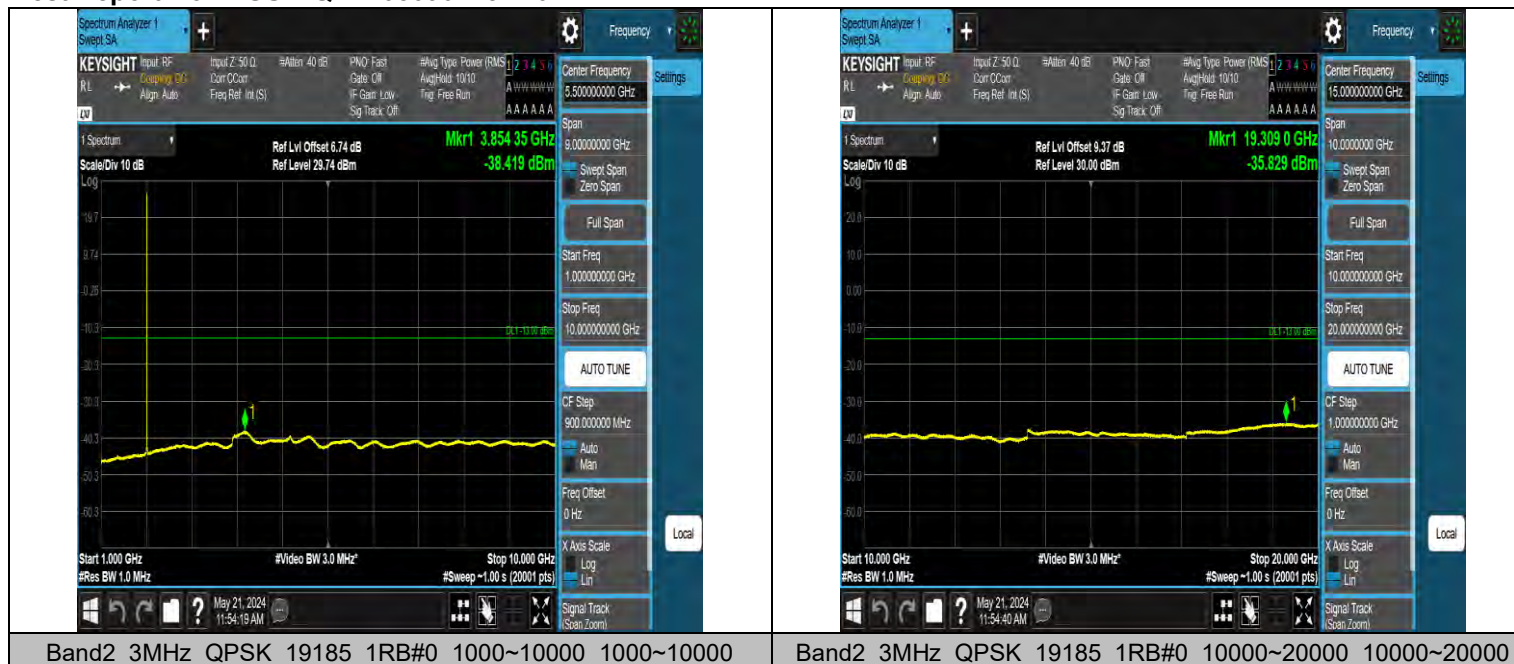


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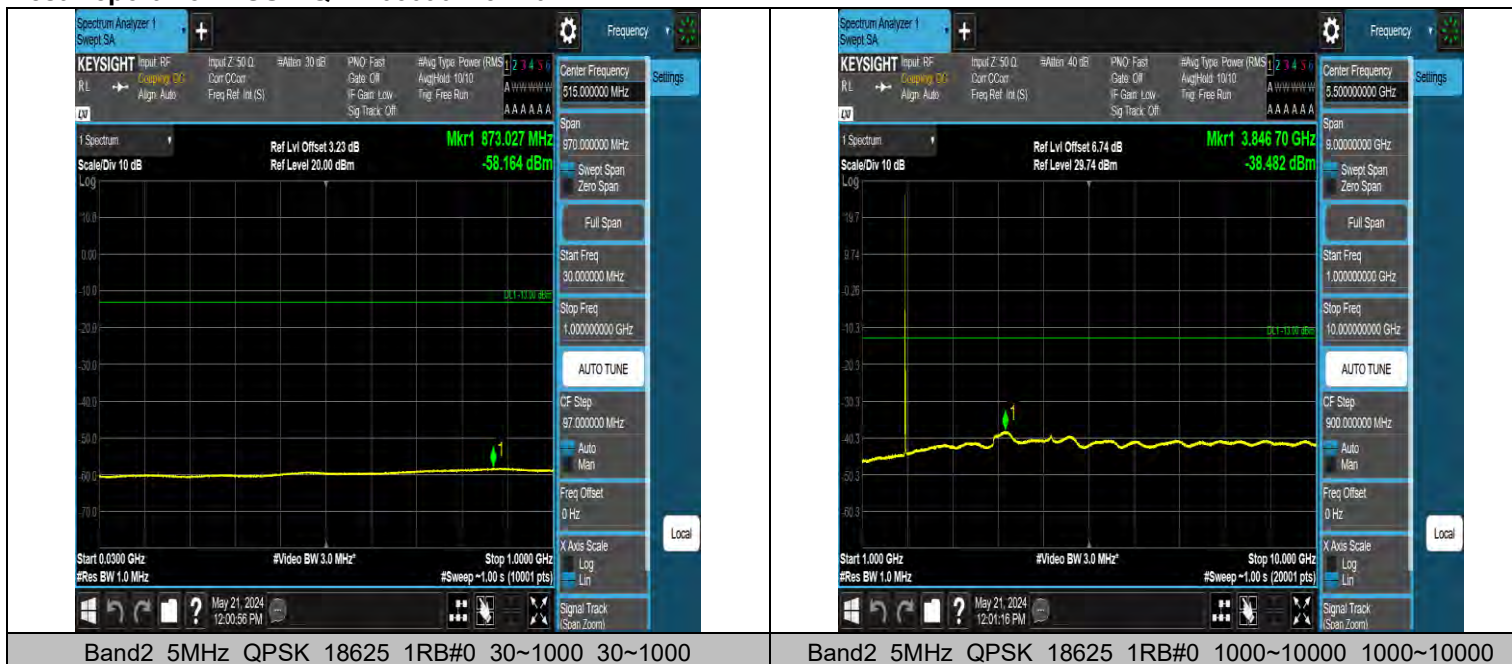


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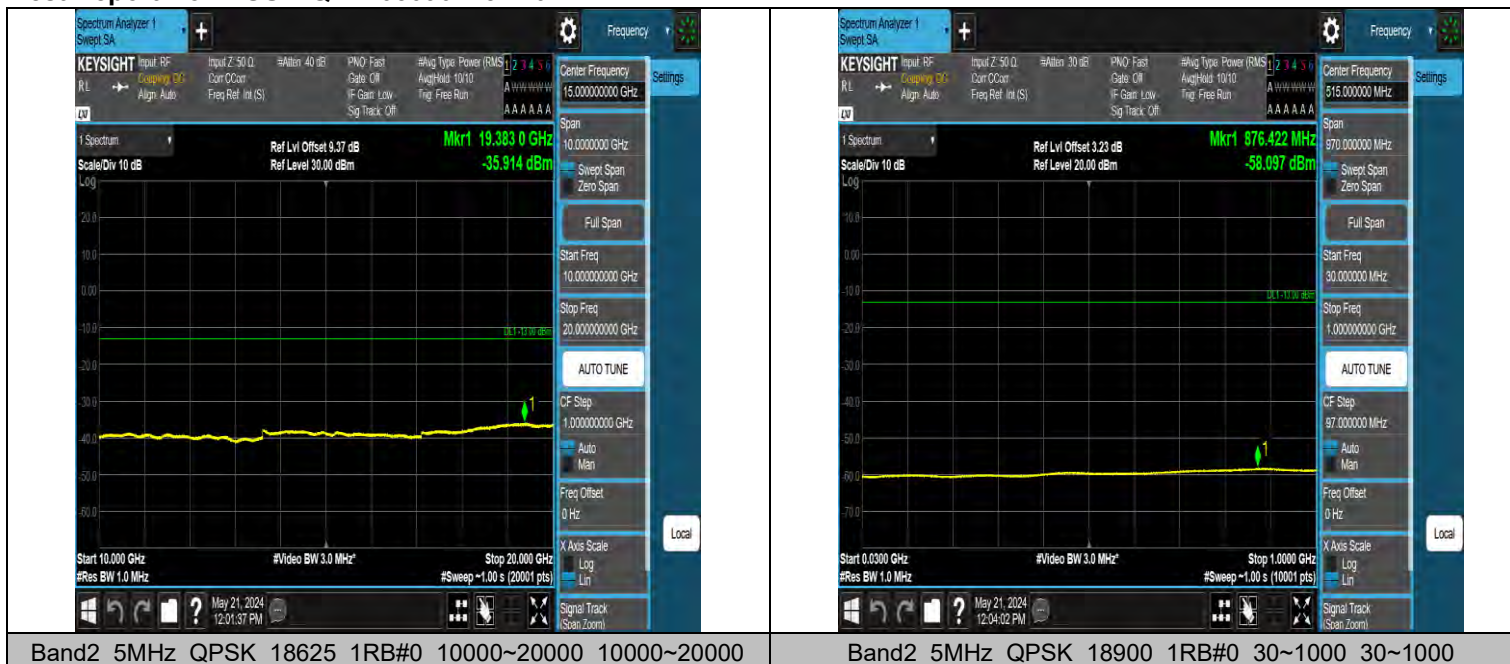




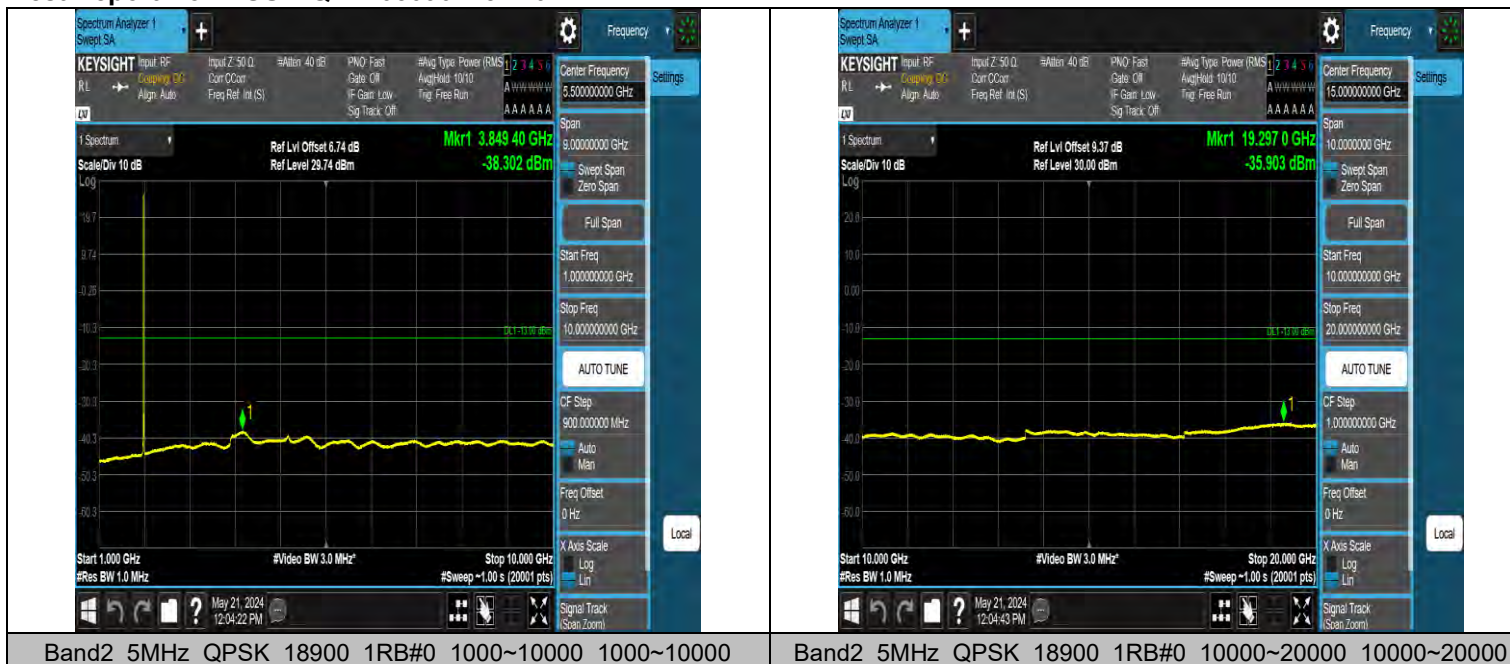
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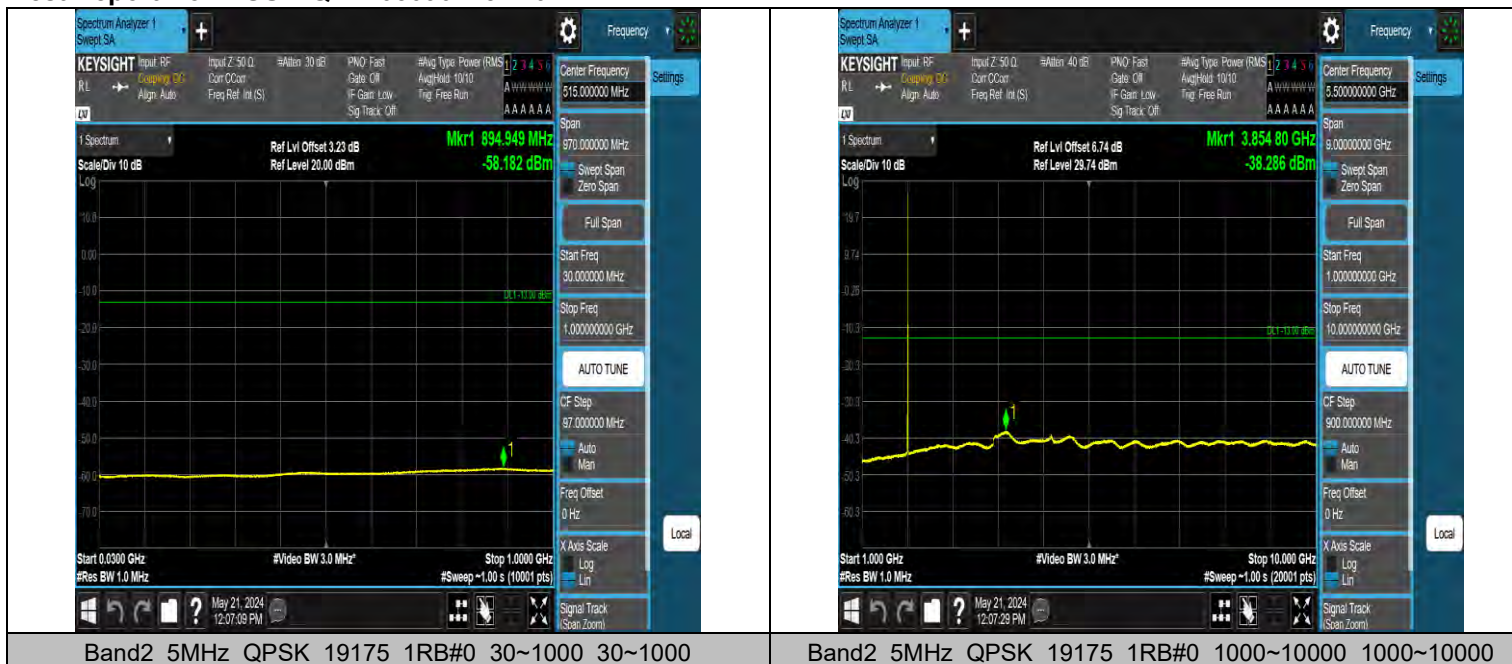


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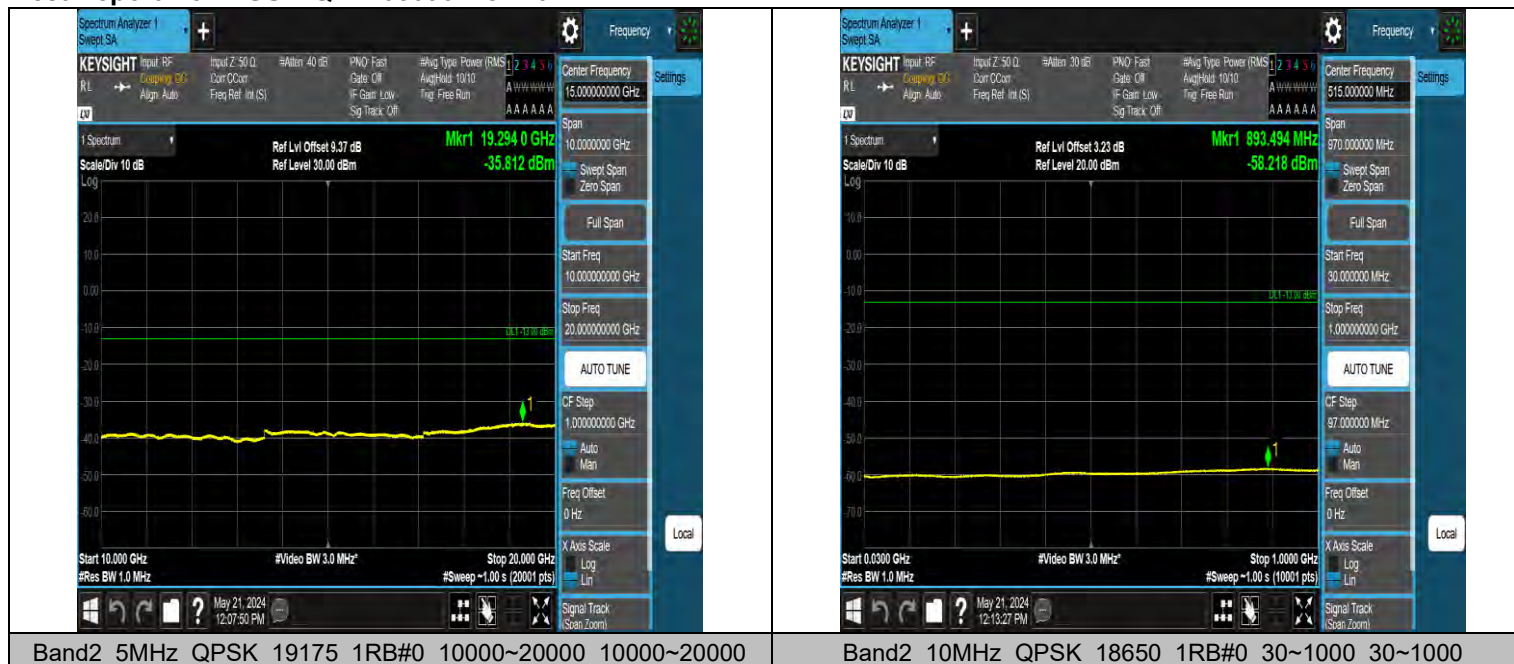


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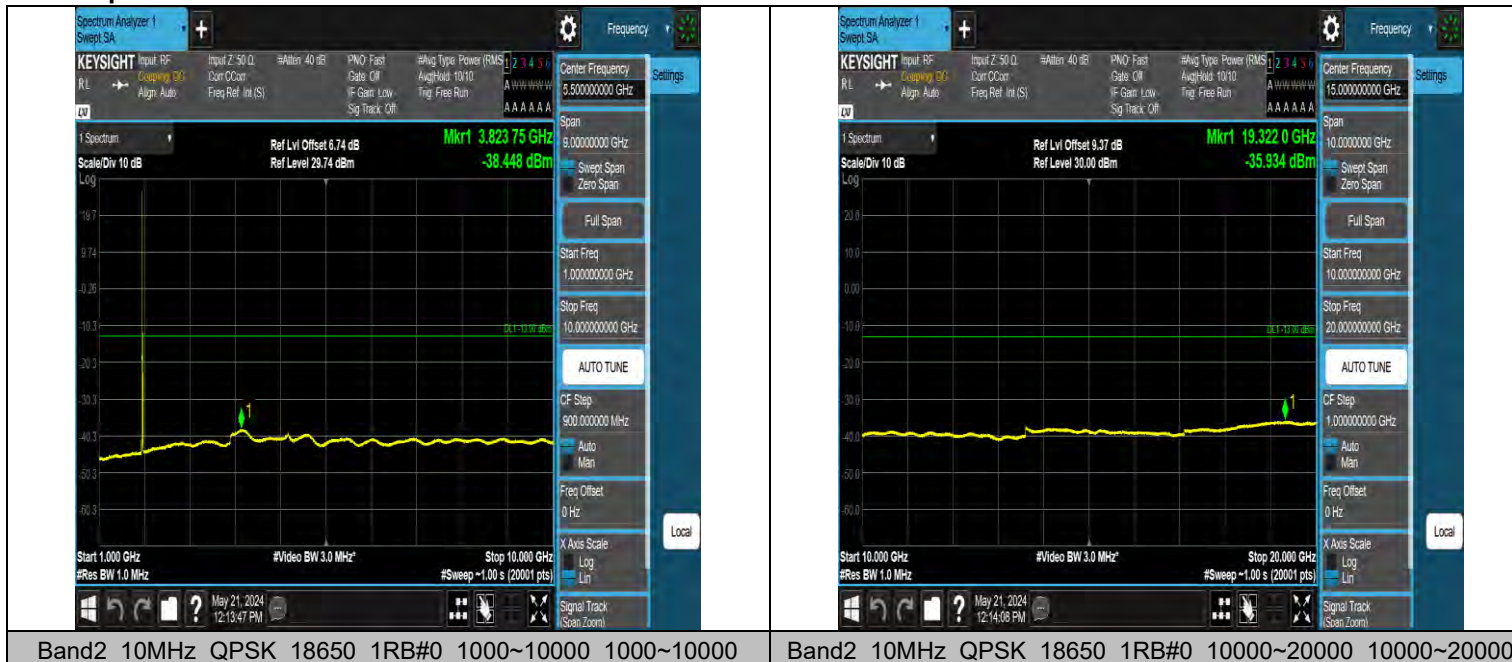




Test Report No.: PSU-NQN2405090215RF02

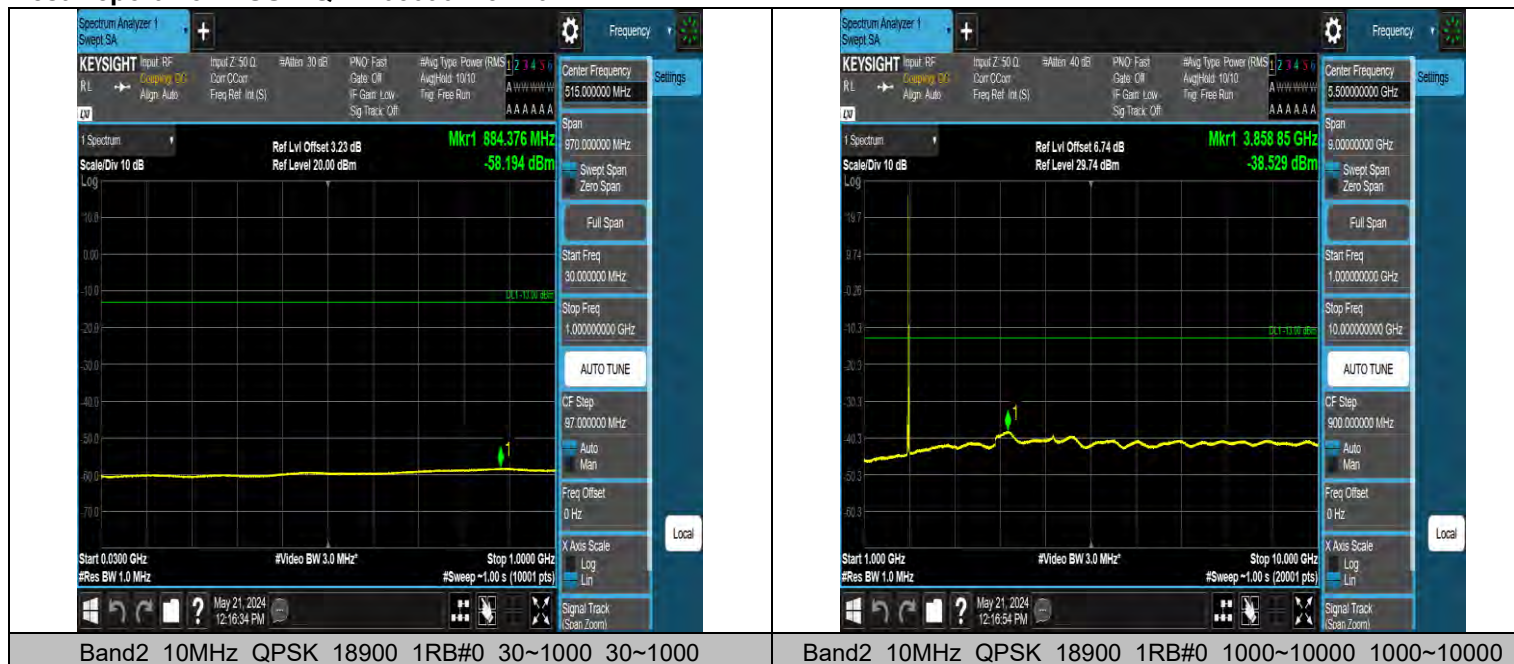


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Test Report No.: PSU-NQN2405090215RF02



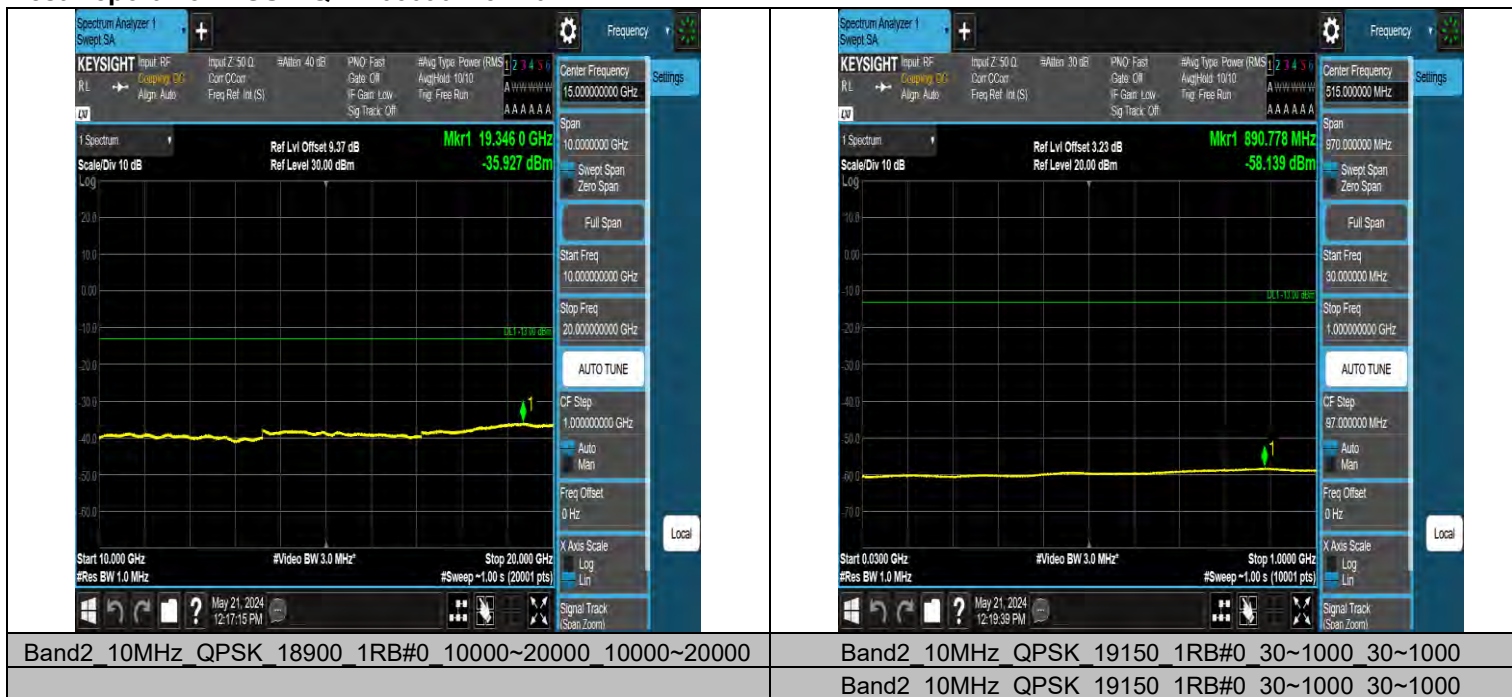
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zhuyi Road,
High-tech District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008

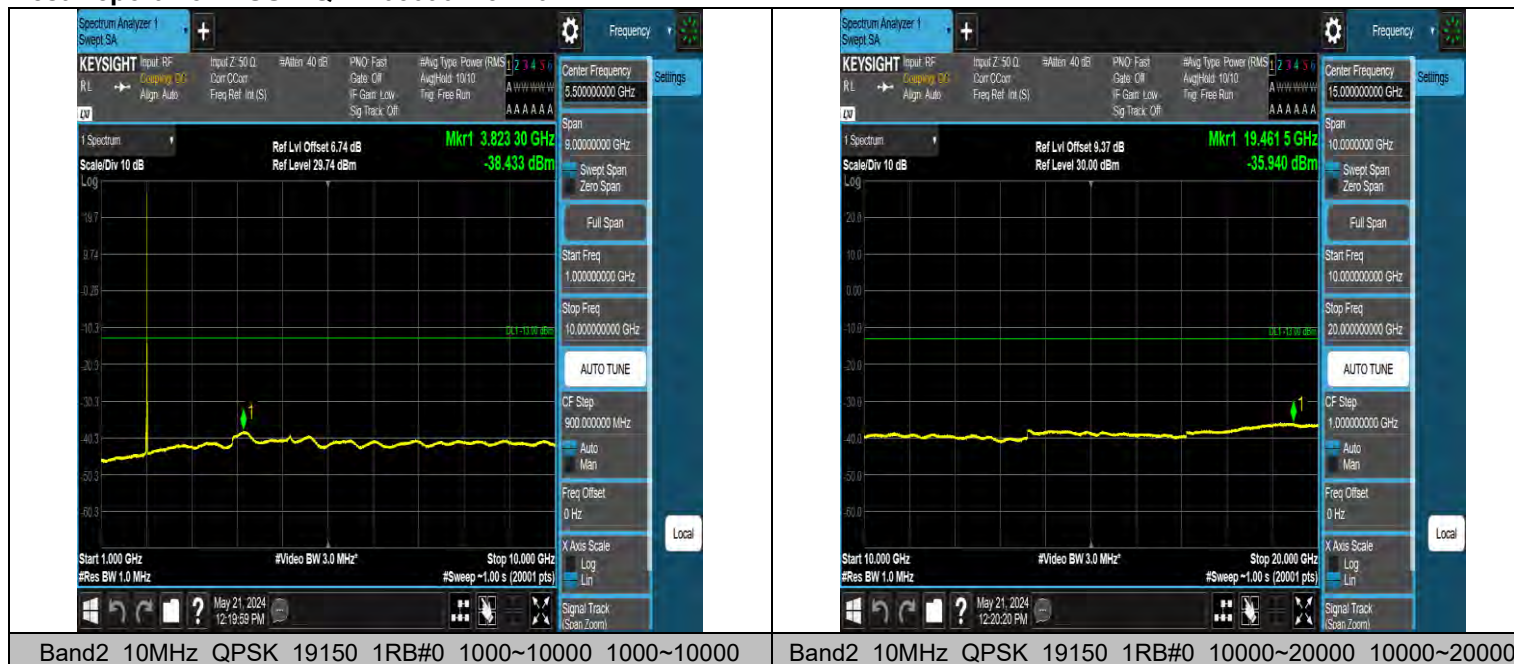


Test Report No.: PSU-NQN2405090215RF02



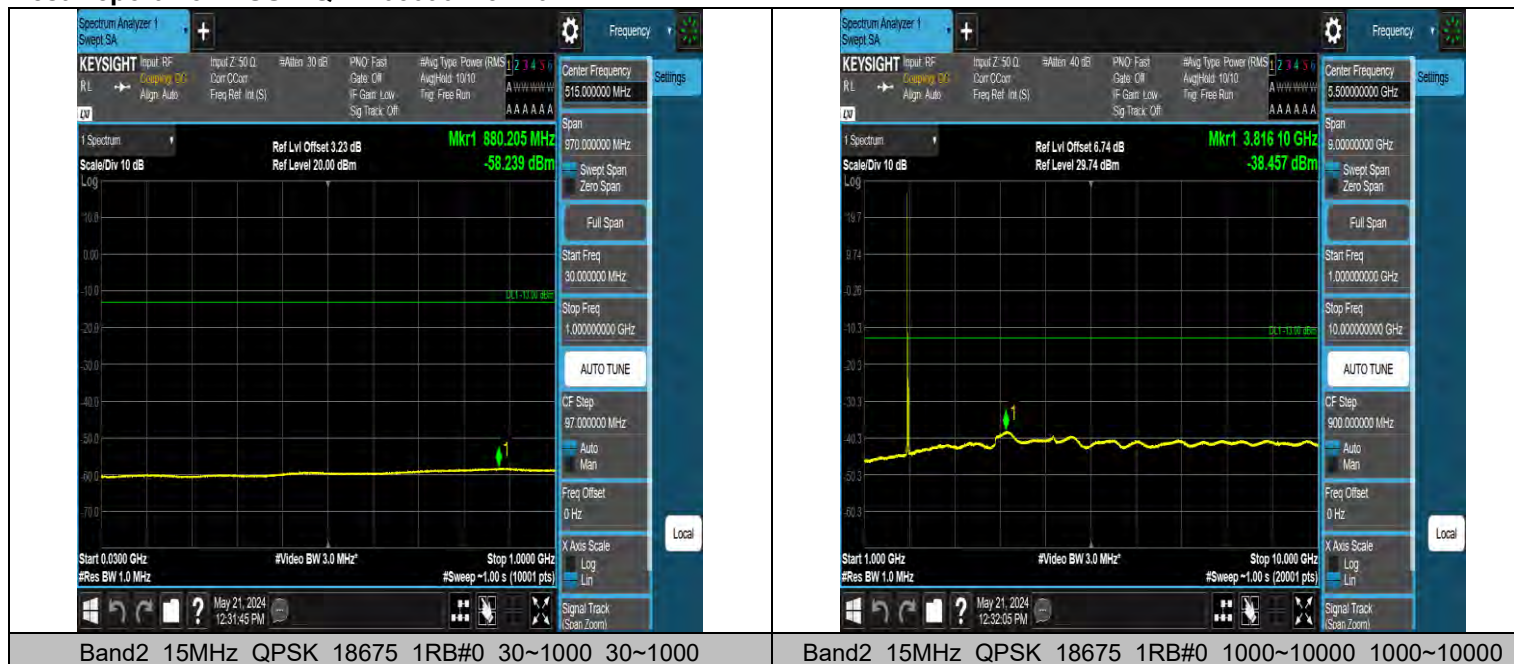


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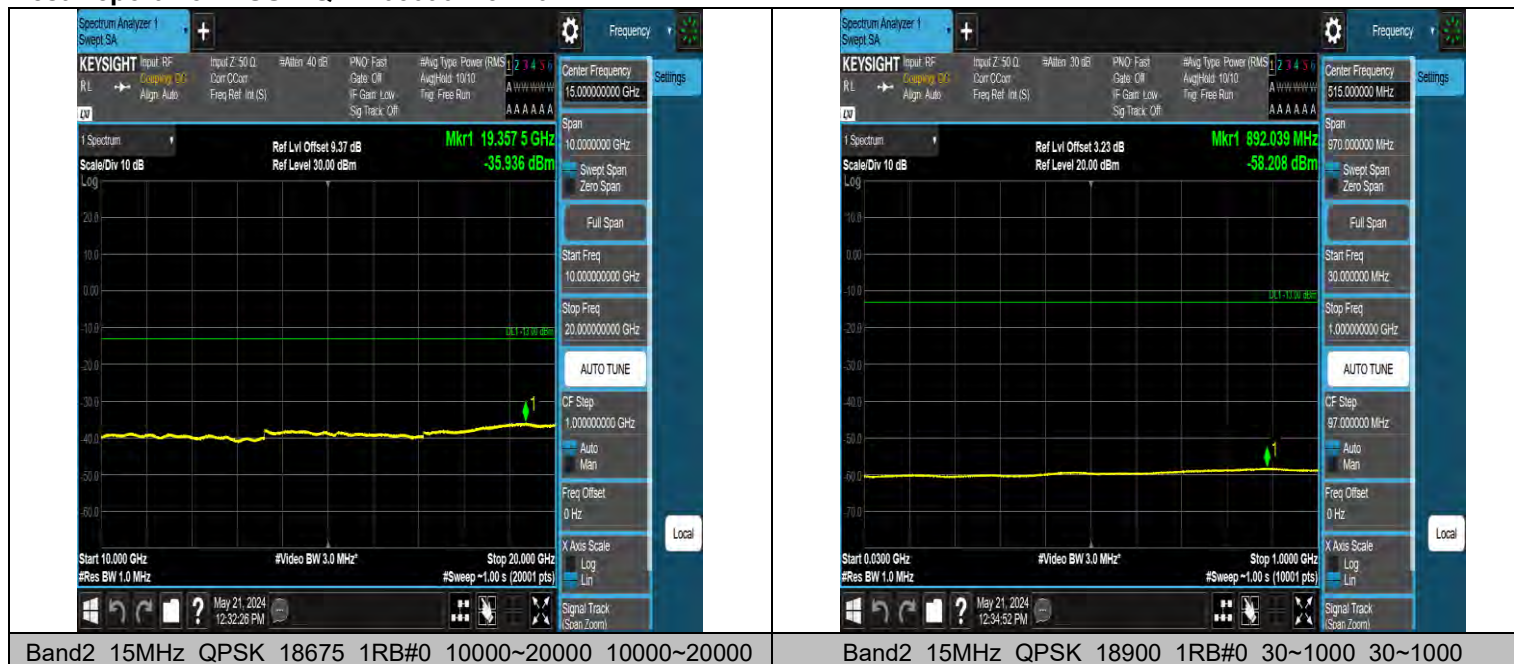


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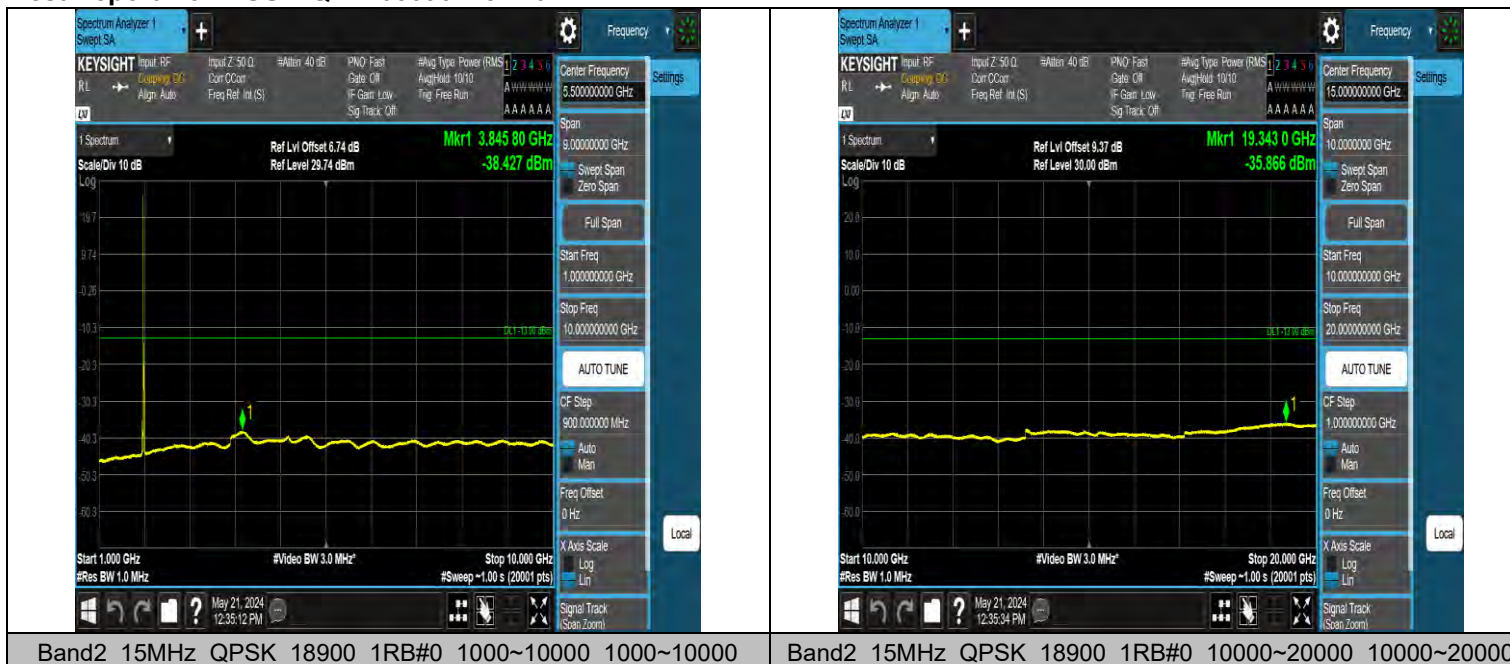




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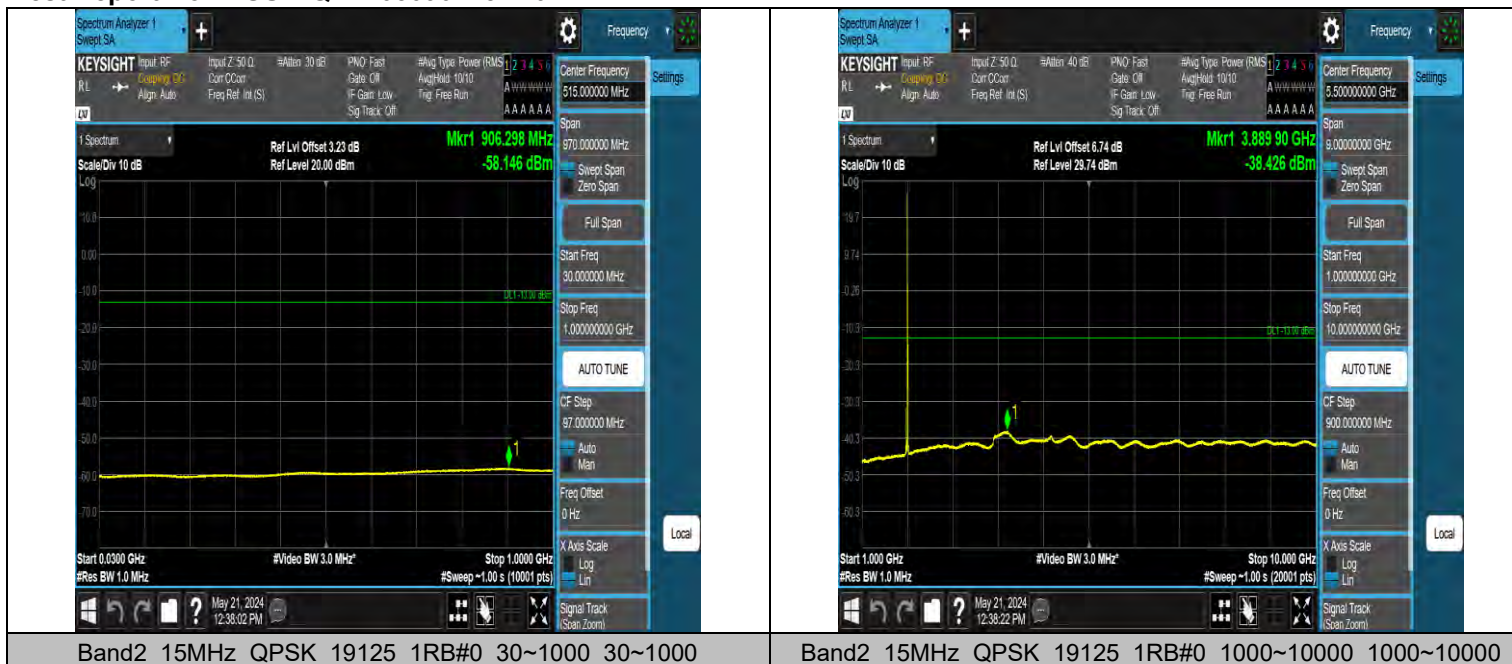


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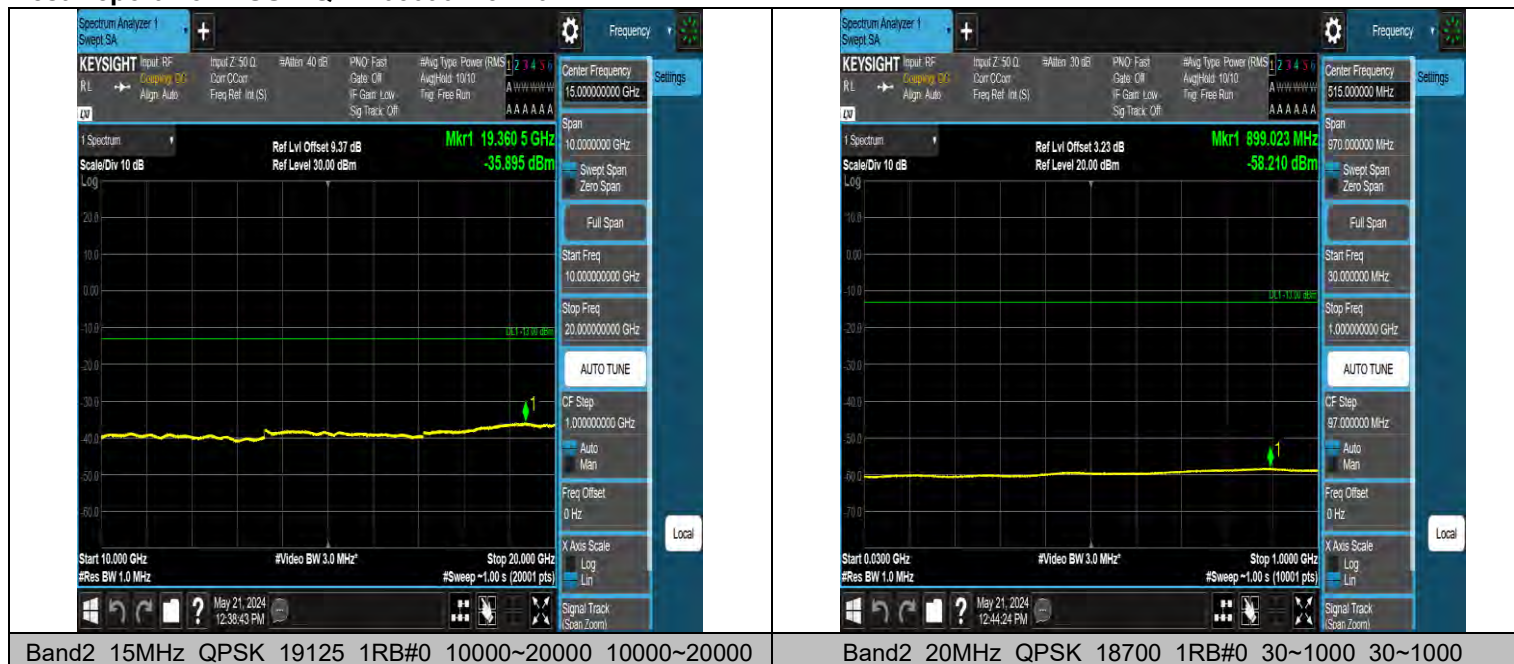


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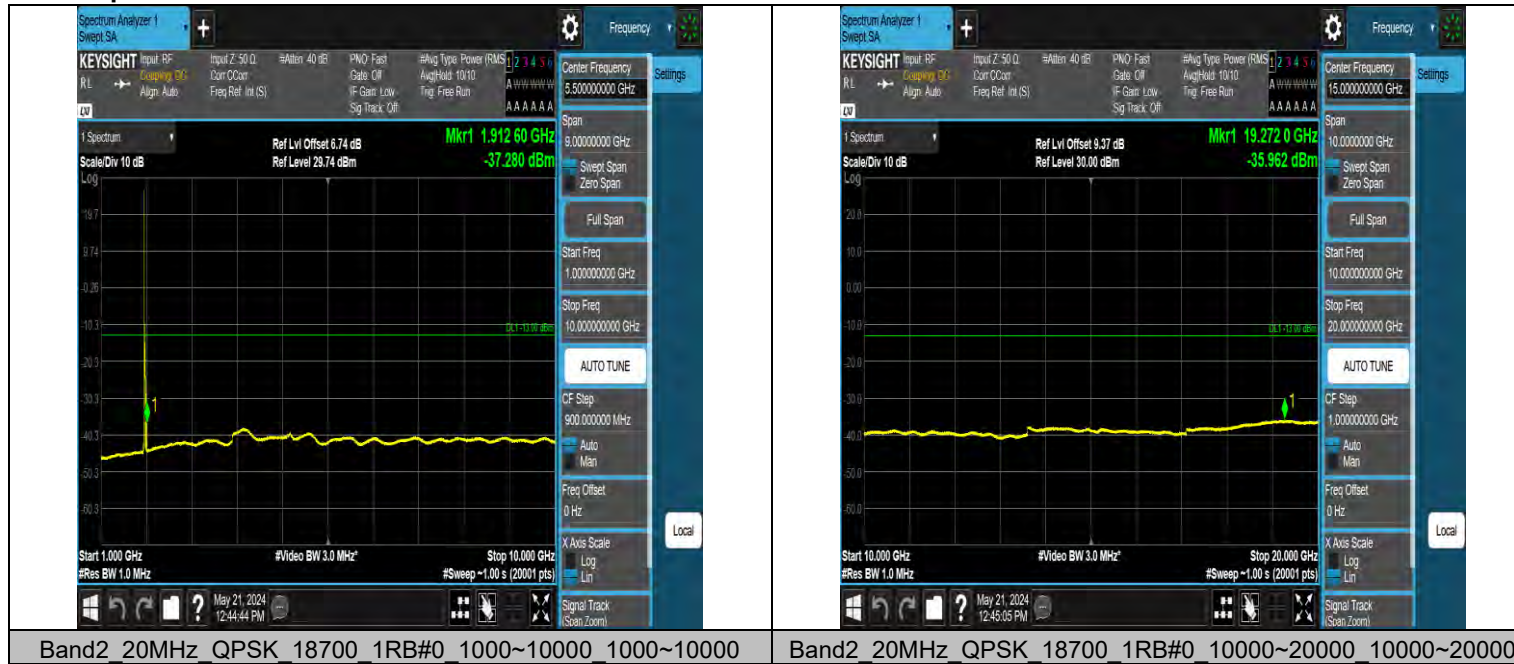




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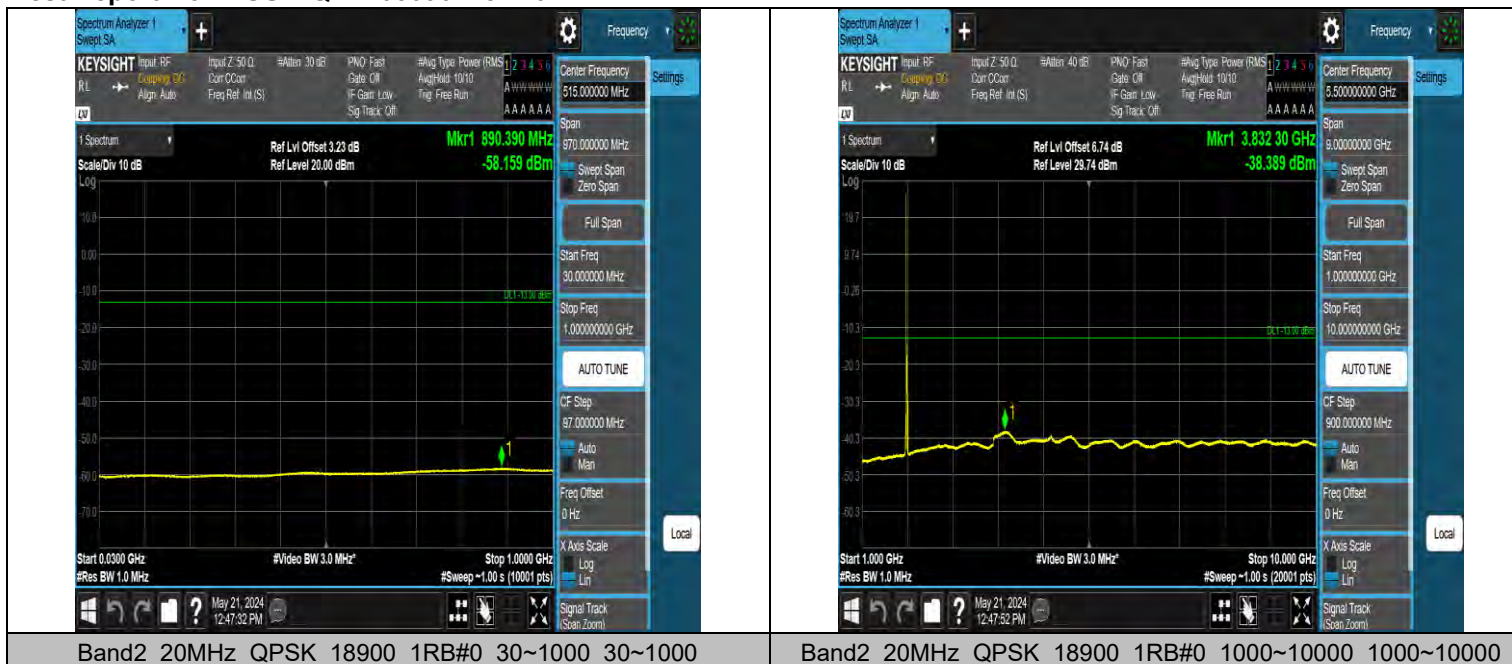


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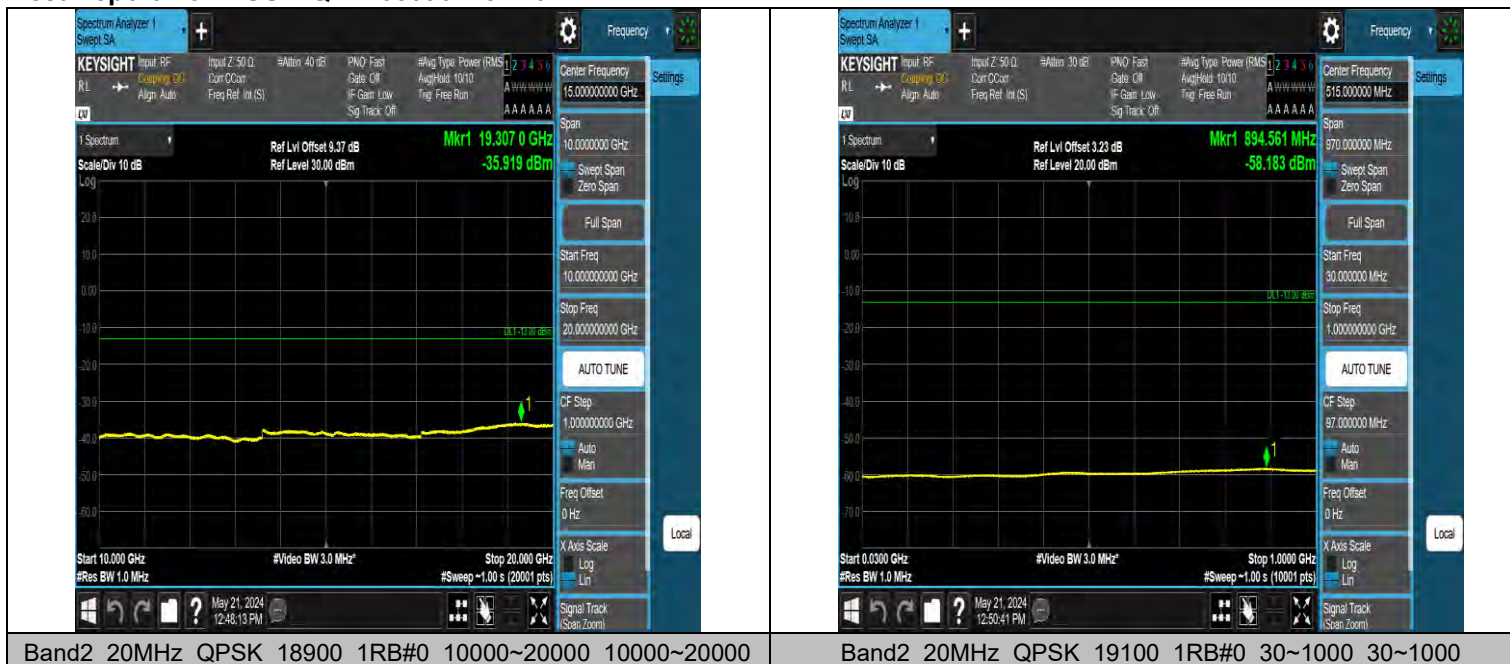




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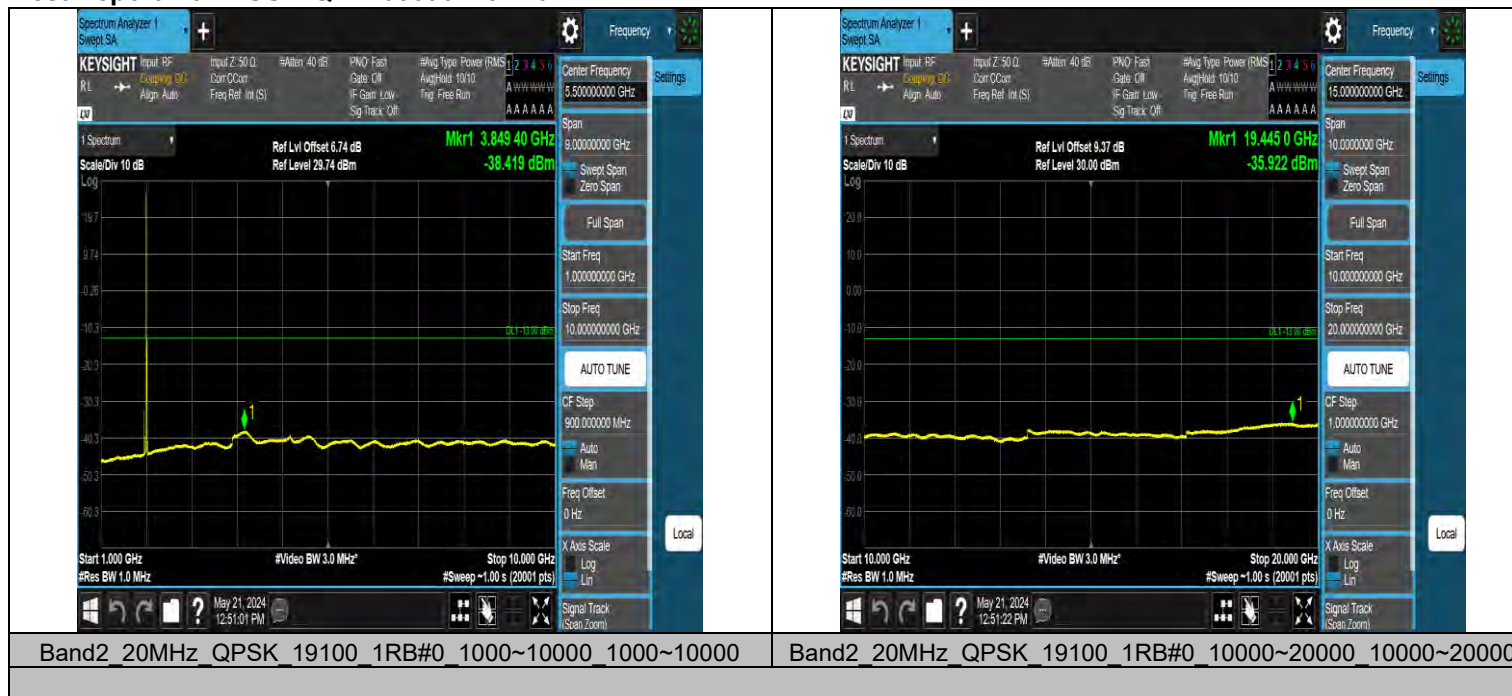


Test Report No.: PSU-NQN2405090215RF02





Test Report No.: PSU-NQN2405090215RF02





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	2445.15	1.32	1850.53308	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	VL	NT	2310.06	1.25	1850.53163	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	VH	NT	2212.92	1.19	1850.53399	---	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VN	NT	2803.19	1.47	---	1909.46408	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VL	NT	2659.23	1.40	---	1909.45946	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	VH	NT	2543.18	1.34	---	1909.46563	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	2447.60	1.32	1850.52642	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	-20	2290.16	1.23	1850.52766	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	-10	2164.43	1.17	1850.53158	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	0	2137.76	1.15	1850.52827	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	10	2013.14	1.09	1850.52364	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	20	1889.64	1.02	1850.53125	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	30	1766.62	0.95	1850.52482	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	40	1662.61	0.90	1850.53395	---	1850-1910	PASS
Band2	10MHz	QPSK	18650	50RB #0	NV	50	1513.94	0.82	1850.53598	---	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-30	2694.46	1.41	---	1909.46014	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-20	2452.68	1.29	---	1909.46193	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	-10	2402.08	1.26	---	1909.46407	1850-1910	PASS
Band2	10MHz	QPSK	19150	50RB #0	NV	0	2261.	1.19	---	1909.	1850-	PASS



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VERITAS

Test Report No.: PSU-NQN2405090215RF02

	z			#0			66			45965	1910	
Band2	10MH z	QPSK	19150	50RB #0	NV	10	2041. 97	1.07	---	1909. 46564	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	20	1890. 66	0.99	---	1909. 46487	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	30	1792. 30	0.94	---	1909. 46199	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	40	1798. 17	0.94	---	1909. 45989	1850- 1910	PASS
Band2	10MH z	QPSK	19150	50RB #0	NV	50	1771. 21	0.93	---	1909. 46342	1850- 1910	PASS

---END---