

BAND EDGE

Test Result

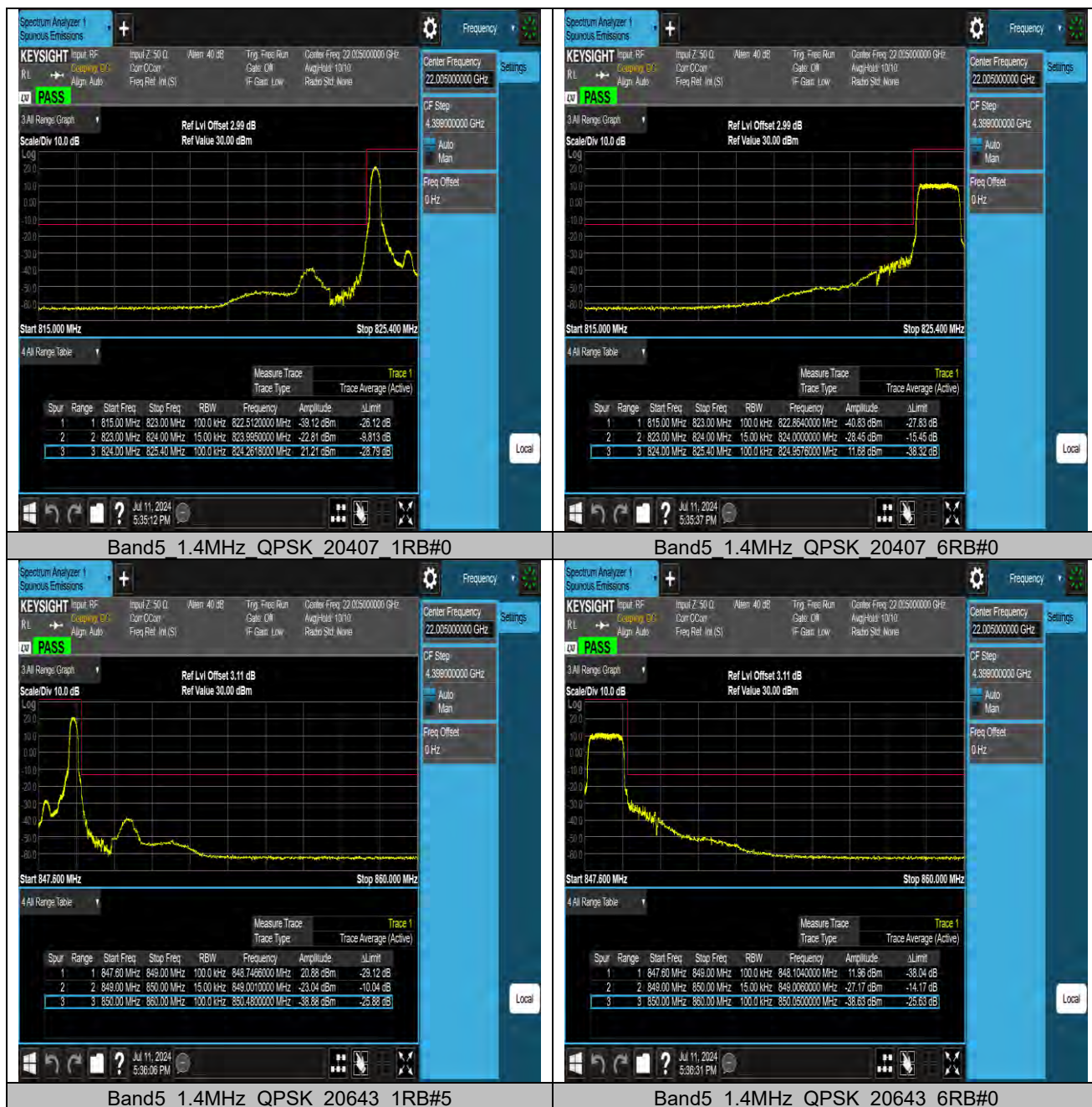
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-22.81	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-28.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-23.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-24.50	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-26.31	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.08	PASS
Band5	3MHz	QPSK	20415	1RB#0	-22.90	PASS
Band5	3MHz	QPSK	20415	15RB#0	-32.86	PASS
Band5	3MHz	QPSK	20635	1RB#14	-22.09	PASS
Band5	3MHz	QPSK	20635	15RB#0	-32.39	PASS
Band5	3MHz	16QAM	20415	1RB#0	-25.27	PASS
Band5	3MHz	16QAM	20415	15RB#0	-34.74	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	-34.08	PASS
Band5	5MHz	QPSK	20425	1RB#0	-27.34	PASS
Band5	5MHz	QPSK	20425	25RB#0	-33.22	PASS
Band5	5MHz	QPSK	20625	1RB#24	-25.13	PASS
Band5	5MHz	QPSK	20625	25RB#0	-31.80	PASS
Band5	5MHz	16QAM	20425	1RB#0	-27.19	PASS
Band5	5MHz	16QAM	20425	25RB#0	-35.43	PASS
Band5	5MHz	16QAM	20625	1RB#24	-26.03	PASS
Band5	5MHz	16QAM	20625	25RB#0	-34.49	PASS
Band5	10MHz	QPSK	20450	1RB#0	-35.66	PASS
Band5	10MHz	QPSK	20450	50RB#0	-37.18	PASS
Band5	10MHz	QPSK	20600	1RB#49	-34.72	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.79	PASS
Band5	10MHz	16QAM	20450	1RB#0	-35.37	PASS
Band5	10MHz	16QAM	20450	50RB#0	-38.59	PASS
Band5	10MHz	16QAM	20600	1RB#49	-36.32	PASS
Band5	10MHz	16QAM	20600	50RB#0	-34.65	PASS



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VERITAS

Test Report No.: W7L-P24100005RF05

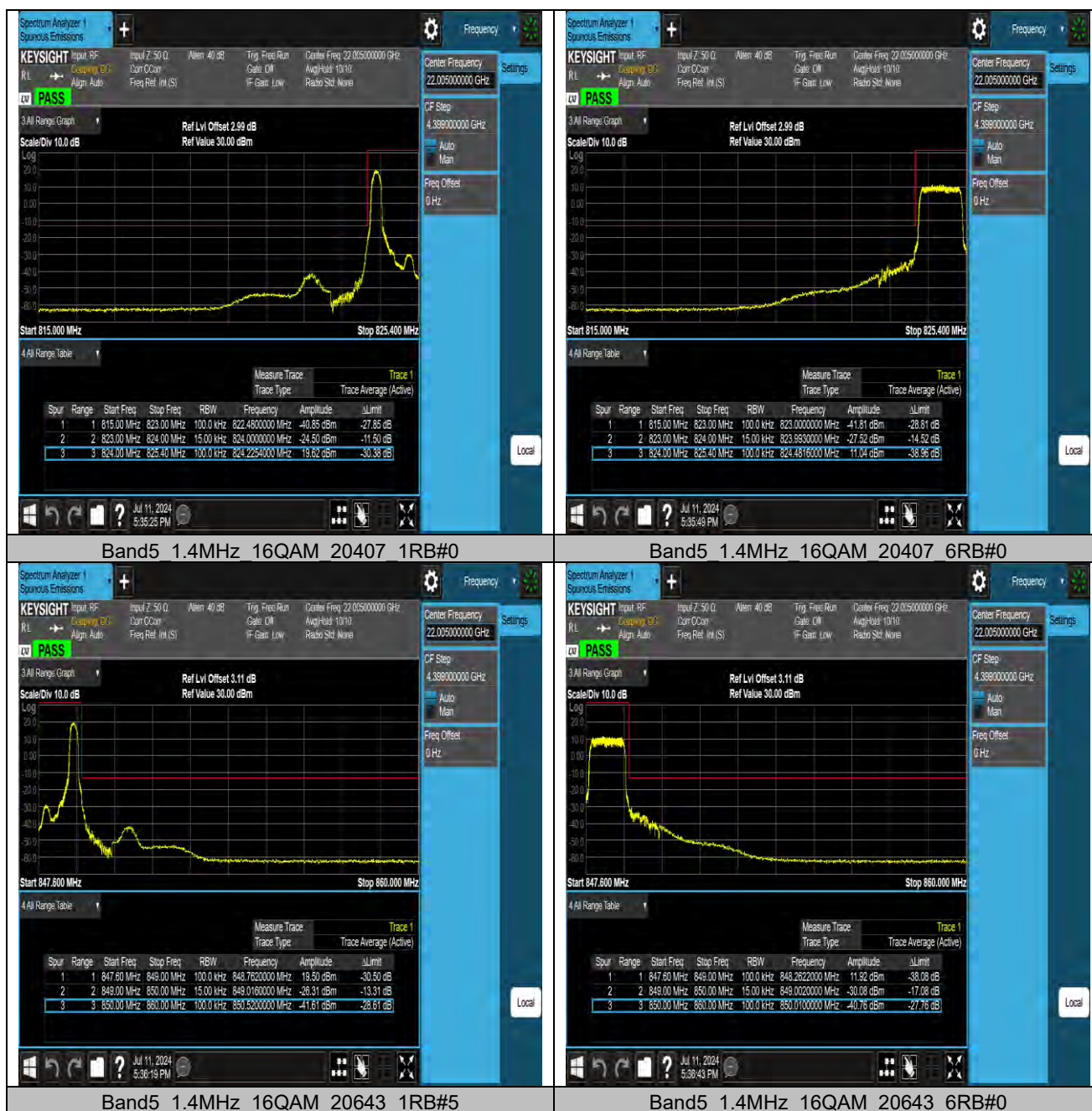
Test Graphs





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VERITAS

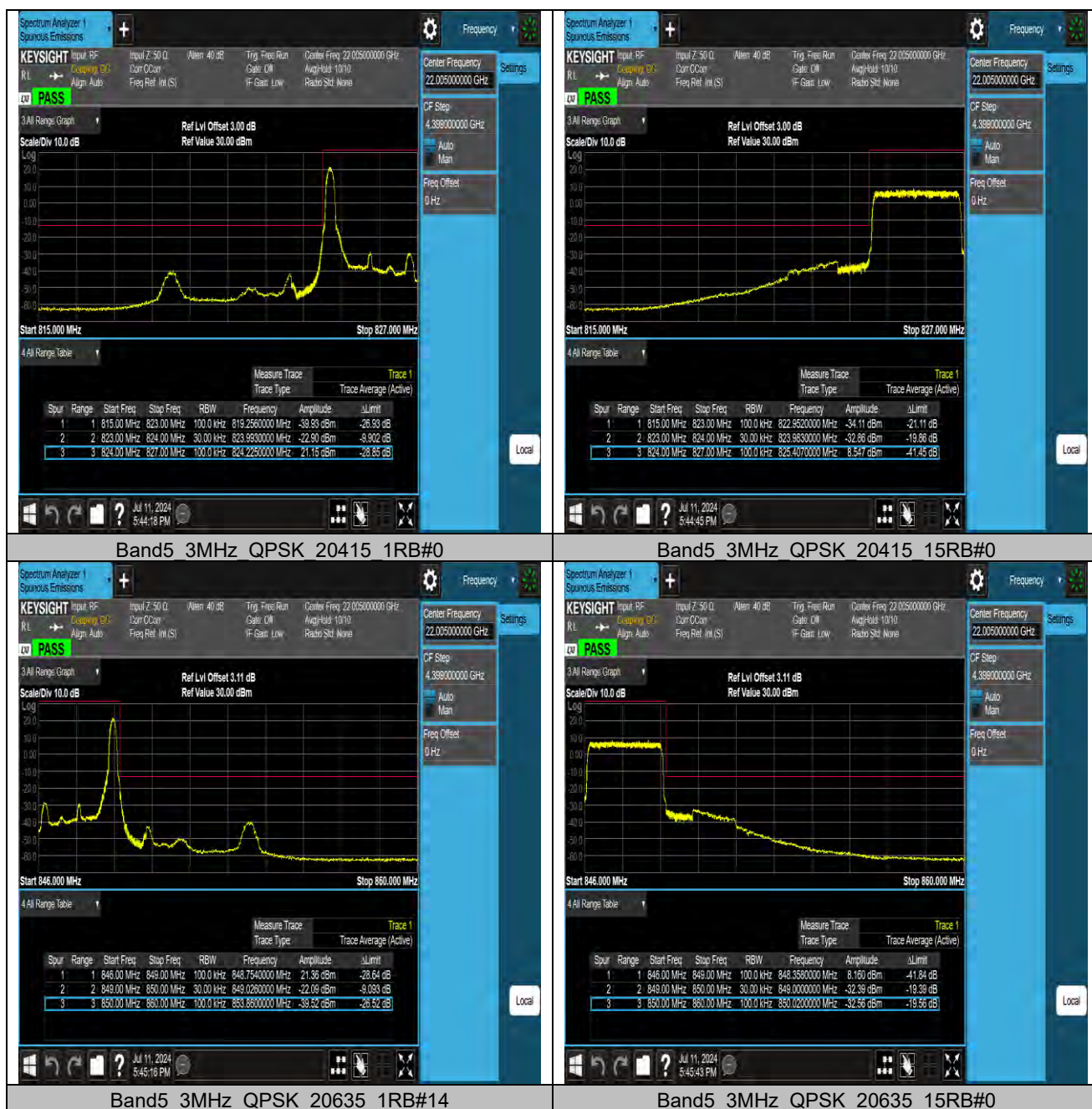
Test Report No.: W7L-P24100005RF05





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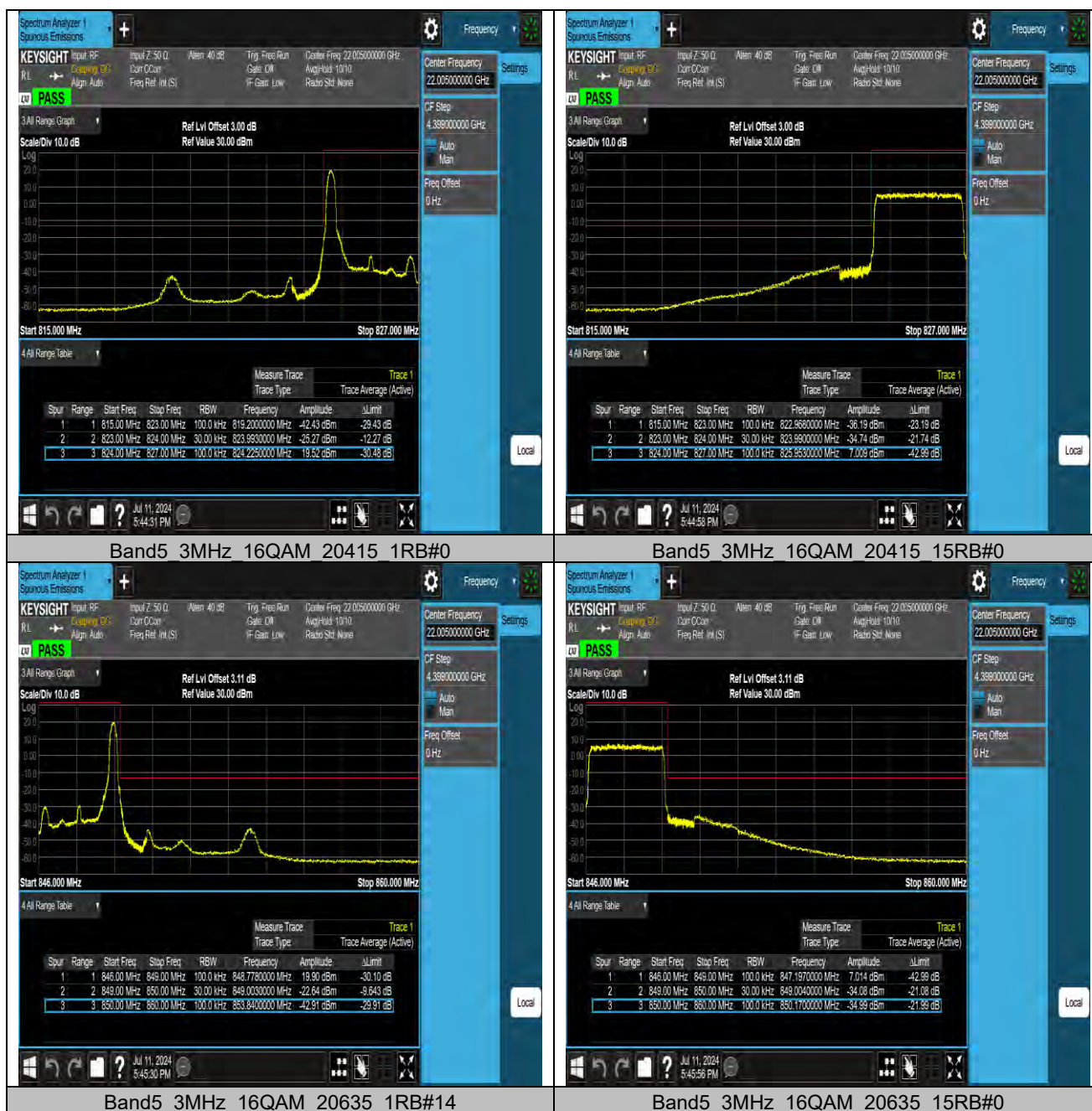
Test Report No.: W7L-P24100005RF05





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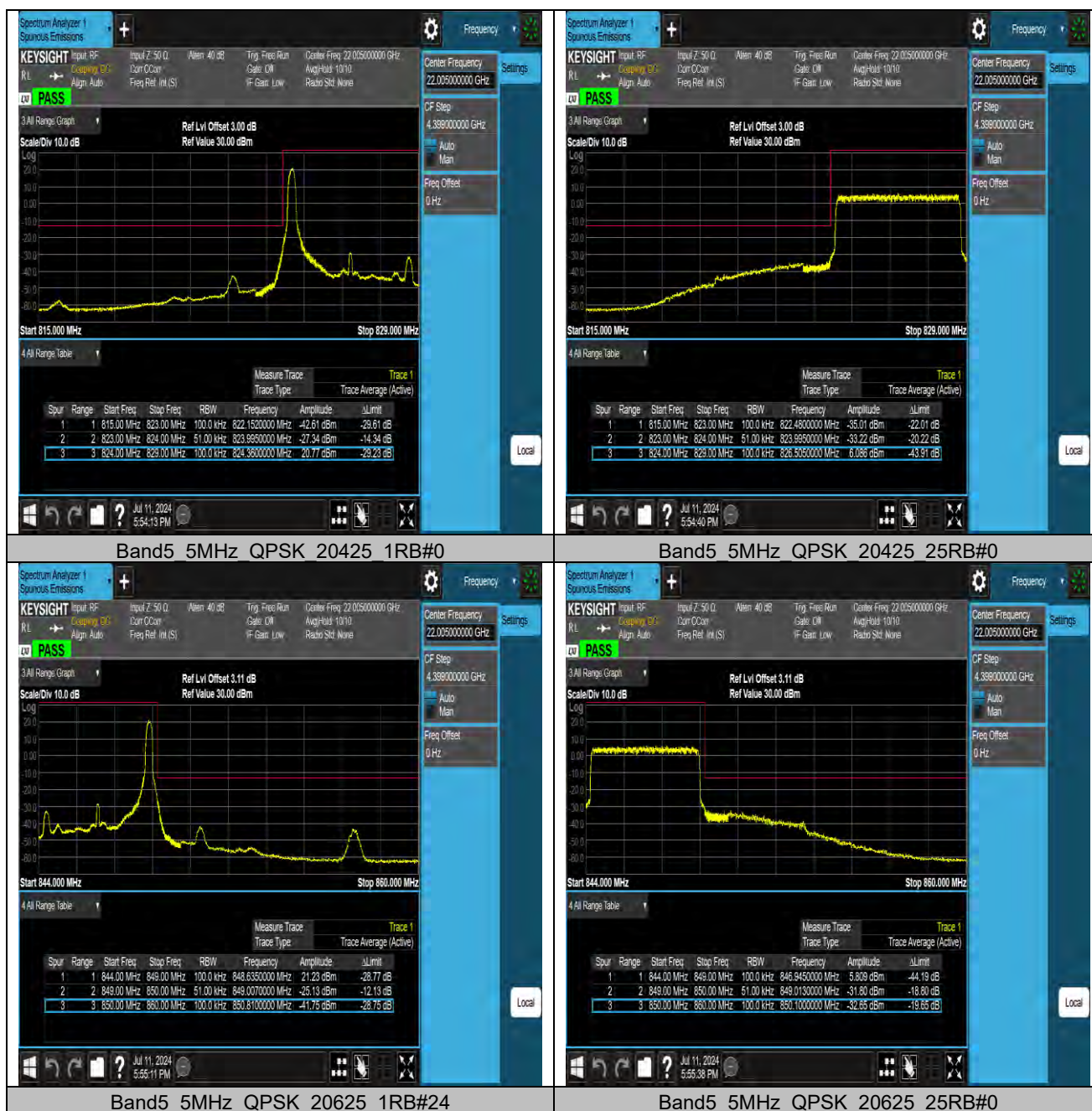
Test Report No.: W7L-P24100005RF05





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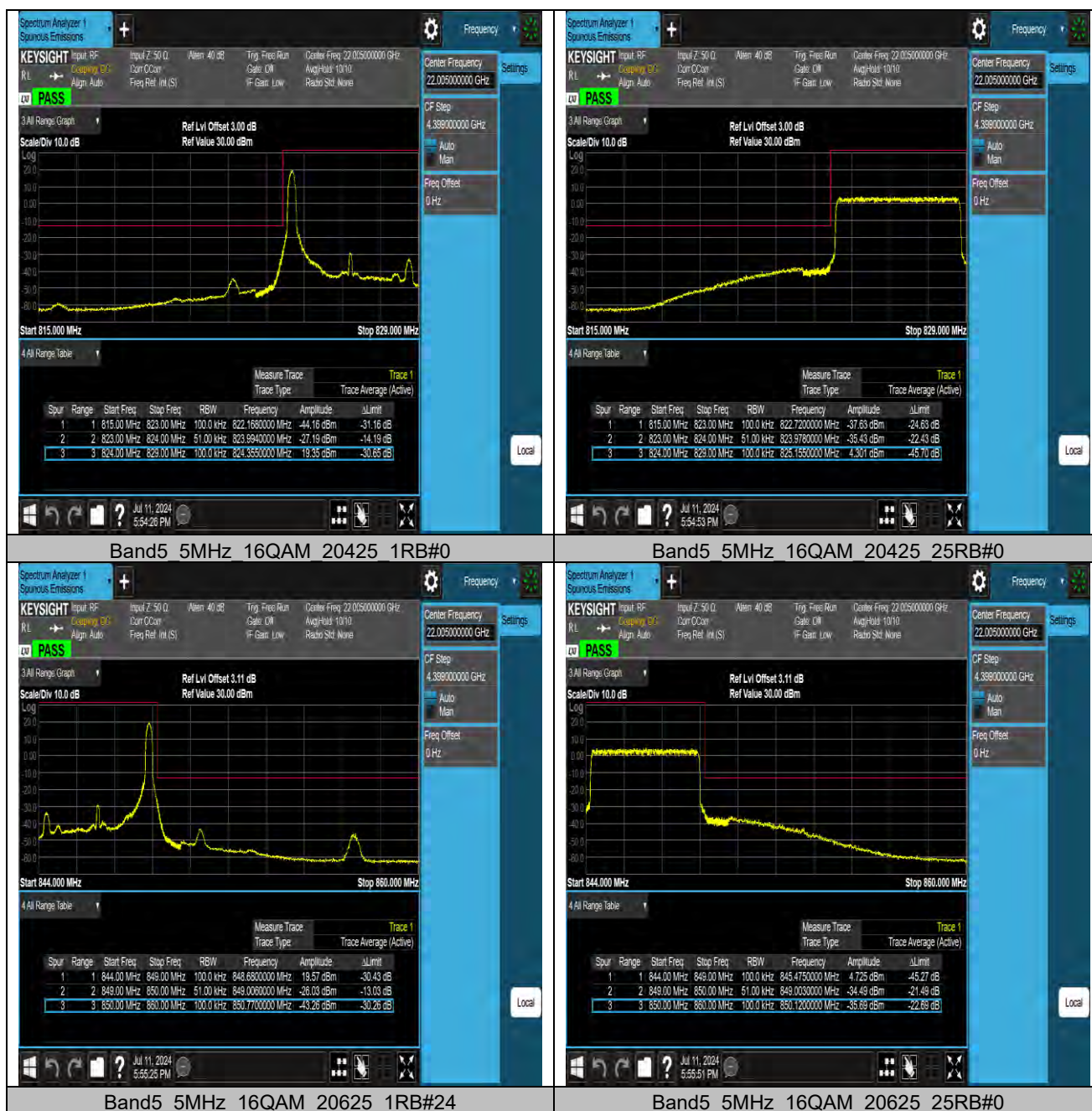
Test Report No.: W7L-P24100005RF05





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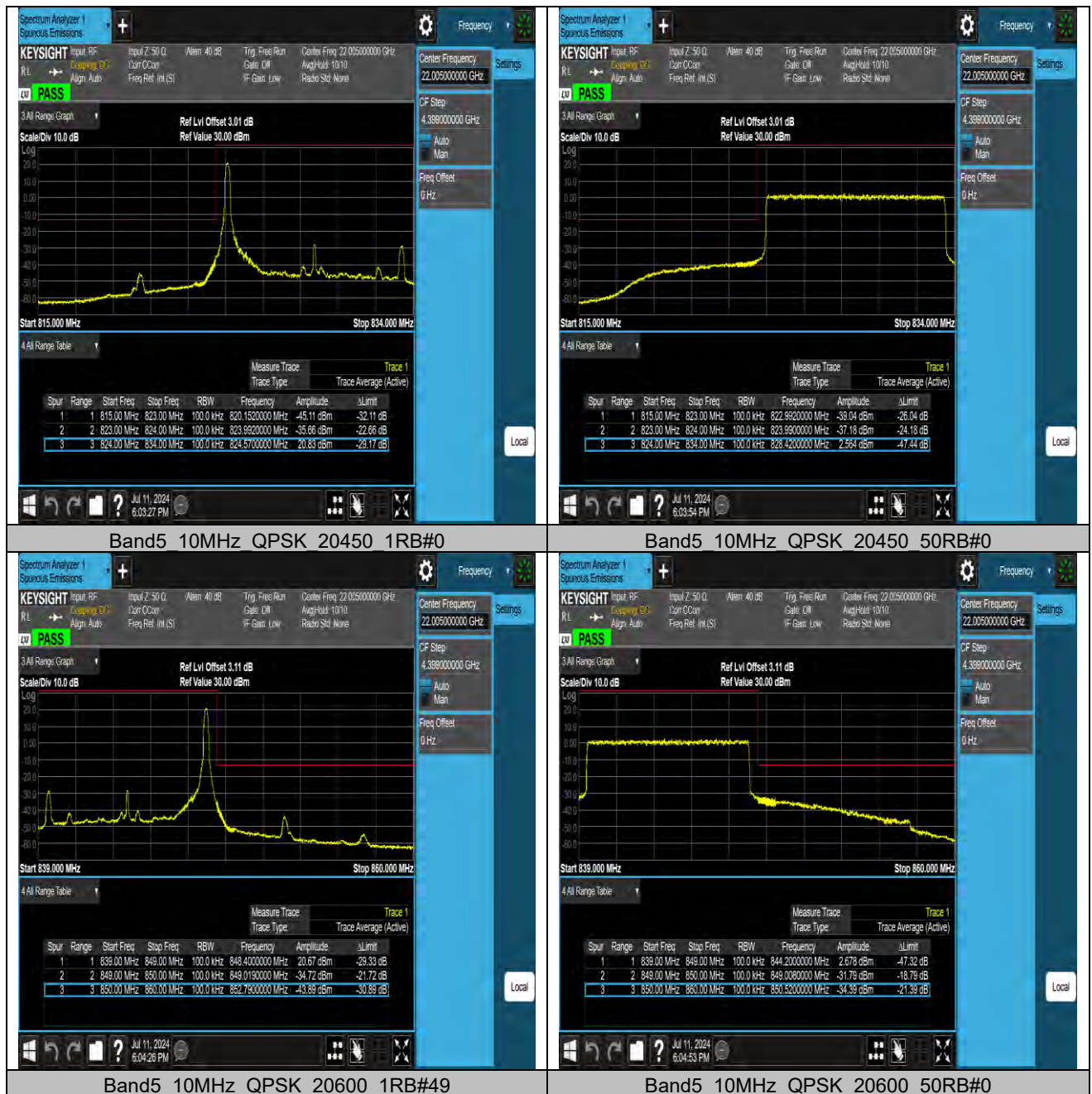
Test Report No.: W7L-P24100005RF05





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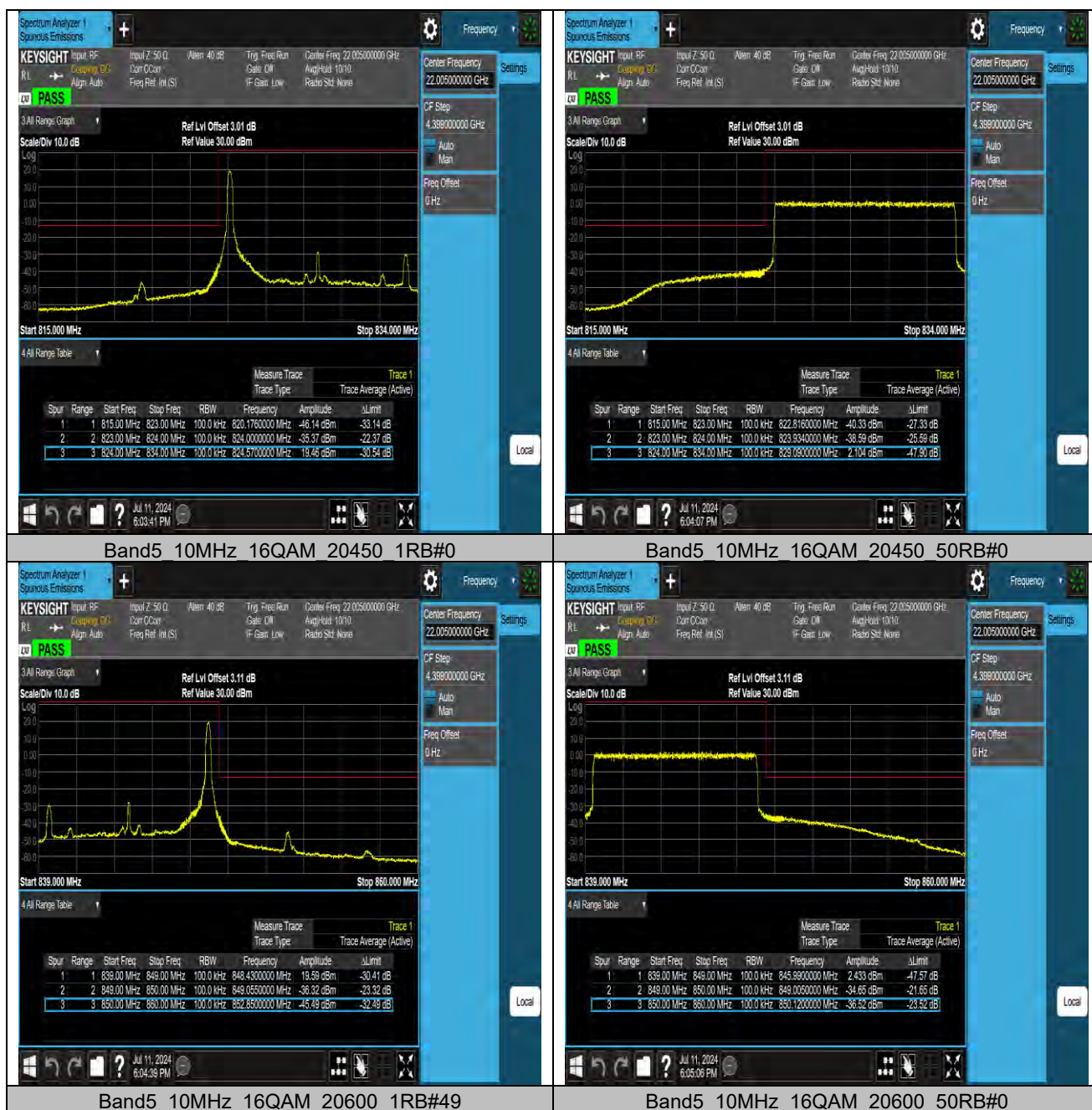
Test Report No.: W7L-P24100005RF05





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Test Report No.: W7L-P24100005RF05



CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-49.40	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~10000	-38.19	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	30~1000	-49.83	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	1000~10000	-38.20	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-47.40	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~10000	-38.23	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-48.46	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~10000	-38.13	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	30~1000	-49.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	1000~10000	-38.18	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-46.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~10000	-38.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-49.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~10000	-38.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	30~1000	-49.31	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	1000~10000	-38.12	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-47.67	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~10000	-38.15	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-55.88	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~10000	-38.06	PASS
Band5	3MHz	QPSK	20415	1RB#14	30~1000	-55.46	PASS
Band5	3MHz	QPSK	20415	1RB#14	1000~10000	-37.76	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-52.41	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~10000	-37.94	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-55.14	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~10000	-38.18	PASS
Band5	3MHz	QPSK	20525	1RB#14	30~1000	-54.80	PASS
Band5	3MHz	QPSK	20525	1RB#14	1000~10000	-38.16	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-50.17	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~10000	-38.20	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-55.11	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~10000	-38.12	PASS
Band5	3MHz	QPSK	20635	1RB#14	30~1000	-55.42	PASS
Band5	3MHz	QPSK	20635	1RB#14	1000~10000	-38.11	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-52.08	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~10000	-38.16	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-57.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~10000	-38.20	PASS
Band5	5MHz	QPSK	20425	1RB#24	30~1000	-57.27	PASS
Band5	5MHz	QPSK	20425	1RB#24	1000~10000	-38.23	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-54.10	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~10000	-37.98	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-57.27	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~10000	-38.05	PASS



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Band5	5MHz	QPSK	20525	1RB#24	30~1000	-57.21	PASS
Band5	5MHz	QPSK	20525	1RB#24	1000~10000	-38.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-52.87	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~10000	-38.13	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-57.05	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~10000	-38.08	PASS
Band5	5MHz	QPSK	20625	1RB#24	30~1000	-57.04	PASS
Band5	5MHz	QPSK	20625	1RB#24	1000~10000	-38.09	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-53.75	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~10000	-38.07	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-57.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~10000	-38.13	PASS
Band5	10MHz	QPSK	20450	1RB#49	30~1000	-57.38	PASS
Band5	10MHz	QPSK	20450	1RB#49	1000~10000	-38.15	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-56.59	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~10000	-38.16	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-57.05	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~10000	-38.10	PASS
Band5	10MHz	QPSK	20525	1RB#49	30~1000	-57.38	PASS
Band5	10MHz	QPSK	20525	1RB#49	1000~10000	-38.18	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-57.37	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~10000	-38.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-57.35	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~10000	-38.07	PASS
Band5	10MHz	QPSK	20600	1RB#49	30~1000	-57.33	PASS
Band5	10MHz	QPSK	20600	1RB#49	1000~10000	-38.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-56.35	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~10000	-38.23	PASS

Test Graphs



Band5 1.4MHz QPSK 20407 1RB#0 30~1000 30~1000 Band5 1.4MHz QPSK 20407 1RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 1.4MHz QPSK 20407 1RB#5 30~1000 30~1000

Band5 1.4MHz QPSK 20407 1RB#5 1000~10000 1000~10000

Band5 1.4MHz QPSK 20407 6RB#0 30~1000 30~1000

Band5 1.4MHz QPSK 20407 6RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 1.4MHz QPSK 20525 1RB#5 30~1000 30~1000

Band5 1.4MHz QPSK 20525 1RB#5 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 1.4MHz QPSK 20525 6RB#0 30~1000 30~1000

Band5 1.4MHz QPSK 20643 1RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 1.4MHz QPSK 20643 1RB#5 30~1000 30~1000

Band5 1.4MHz QPSK 20643 1RB#5 1000~10000 1000~10000

Band5 1.4MHz QPSK 20643 6RB#0 30~1000 30~1000

Band5 1.4MHz QPSK 20643 6RB#0 1000~10000 1000~10000



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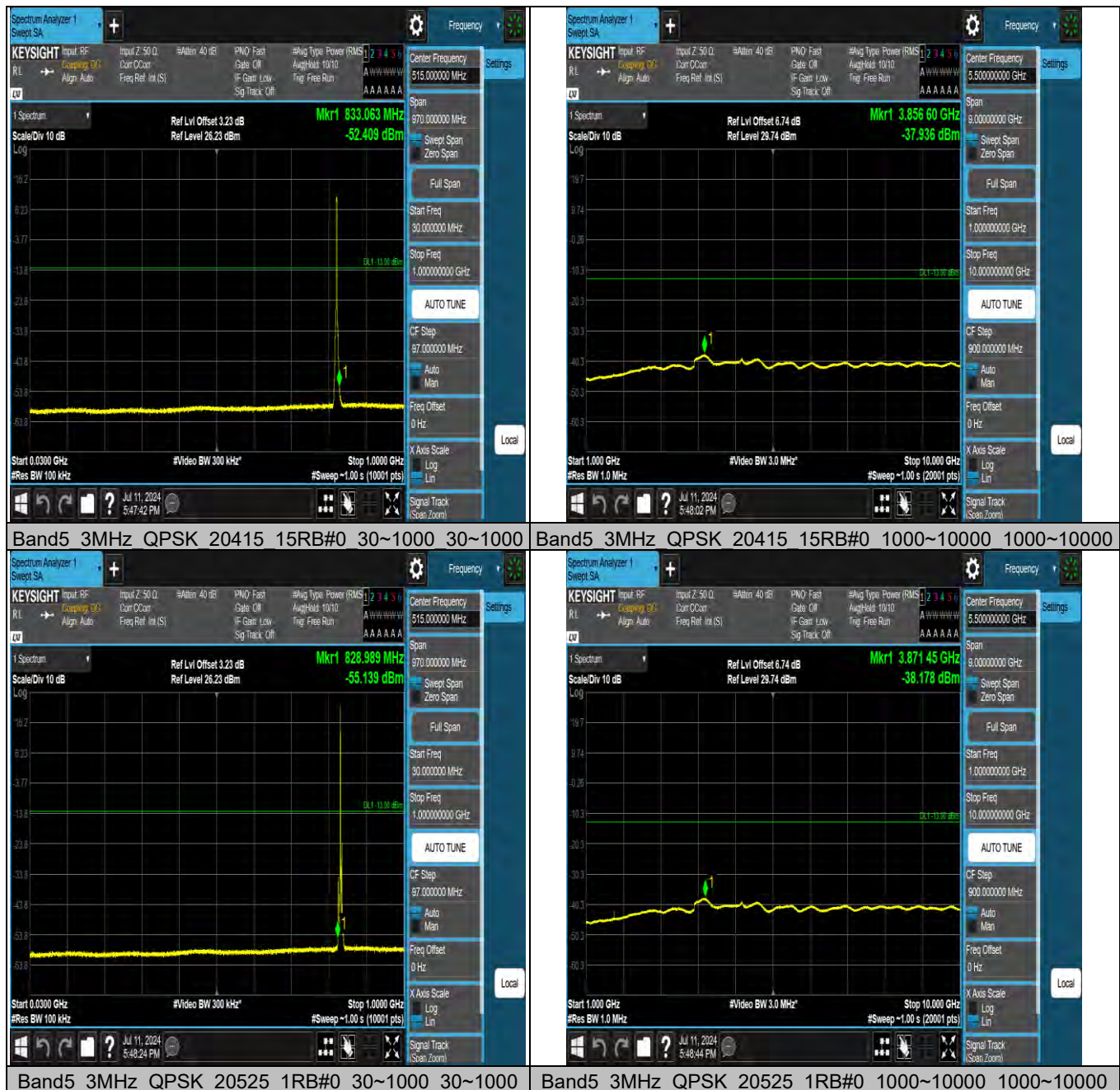
Test Report No.: W7L-P24100005RF05





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Test Report No.: W7L-P24100005RF05





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VERITAS

Test Report No.: W7L-P24100005RF05



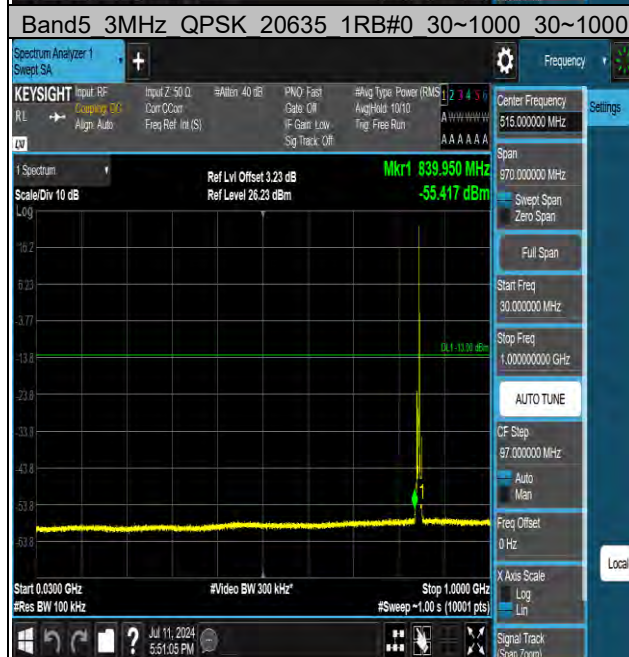
Band5 3MHz QPSK 20525 15RB#0 30~1000 30~1000

Band5 3MHz QPSK 20525 15RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 3MHz QPSK 20635 1RB#14 30~1000 30~1000

Band5 3MHz QPSK 20635 1RB#14 1000~10000 1000~10000



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VERITAS

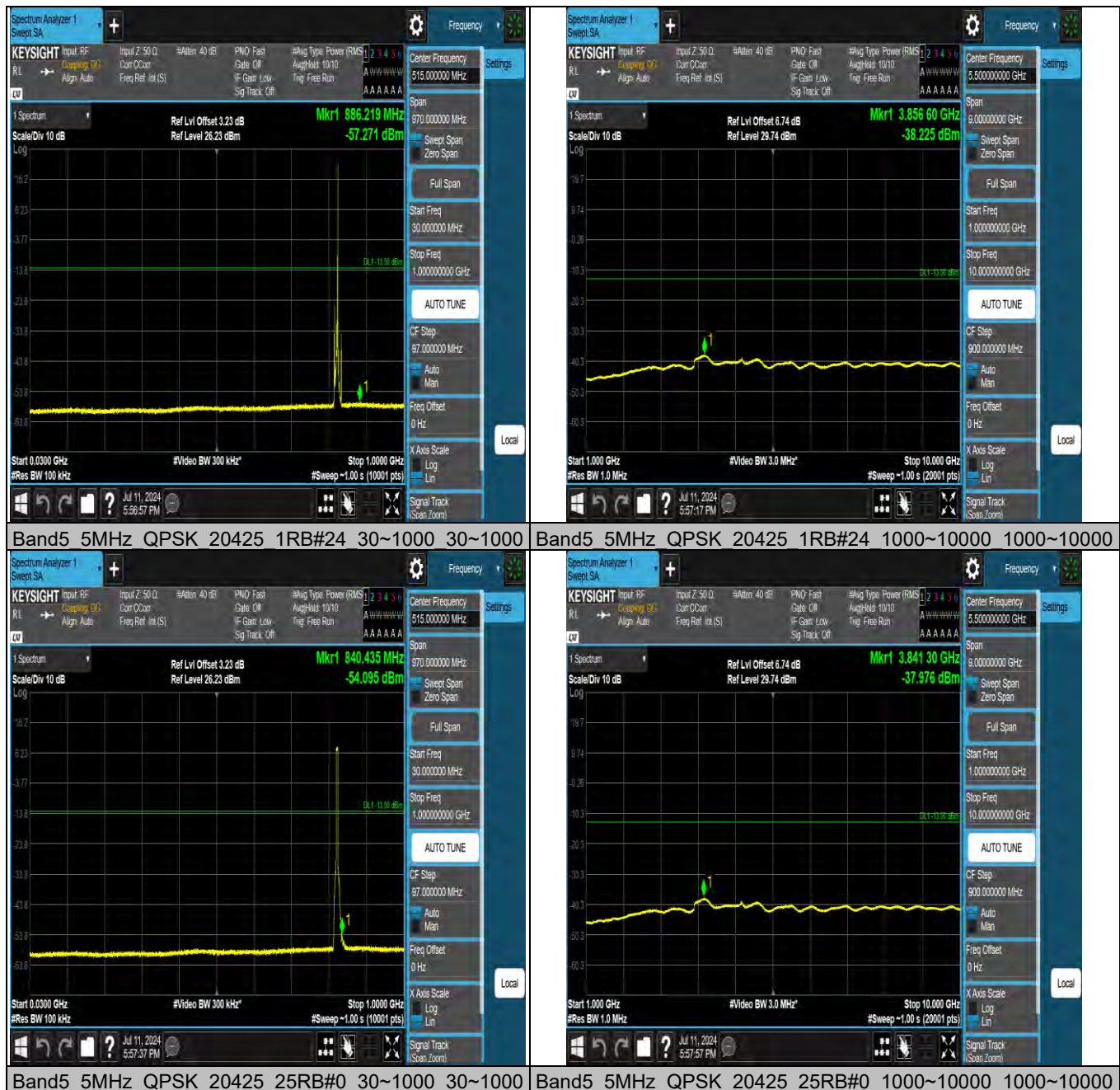
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VERITAS

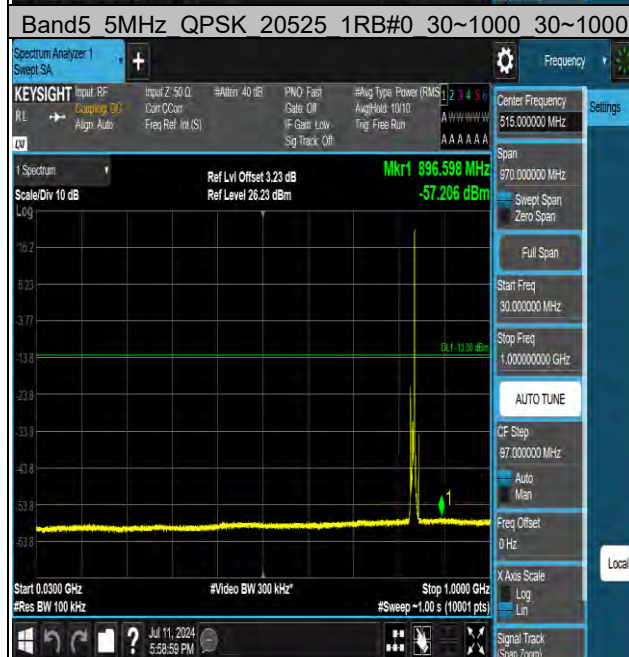
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Test Report No.: W7L-P24100005RF05





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VERITAS

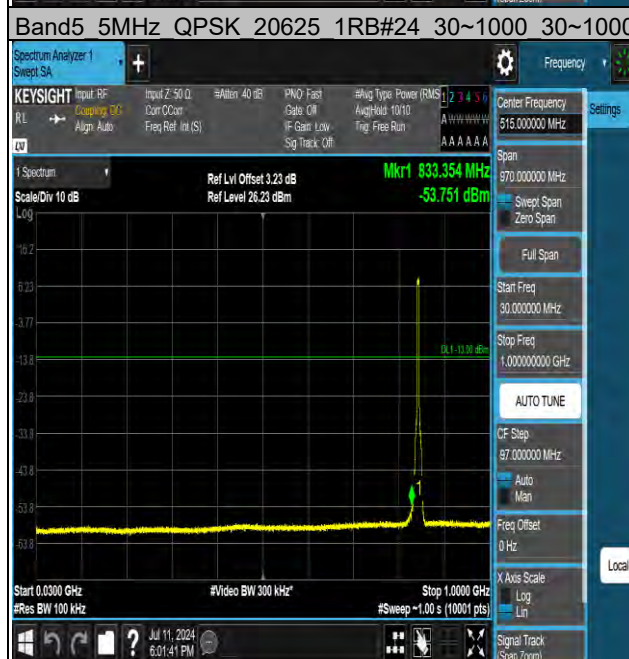
Test Report No.: W7L-P24100005RF05





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VERITAS

Test Report No.: W7L-P24100005RF05



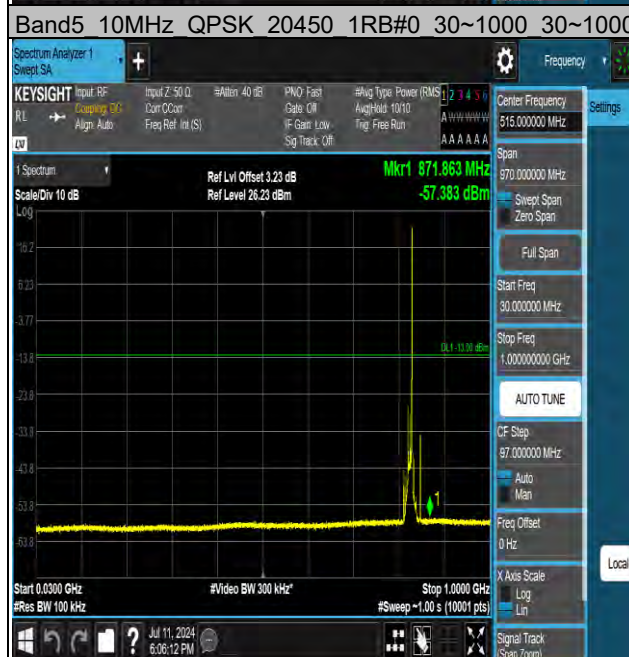
Band5 5MHz QPSK 20625 25RB#0 30~1000 30~1000

Band5 5MHz QPSK 20625 25RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05





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Test Report No.: W7L-P24100005RF05



Band5 10MHz QPSK 20450 50RB#0 30~1000 30~1000 Band5 10MHz QPSK 20450 50RB#0 1000~10000 1000~10000

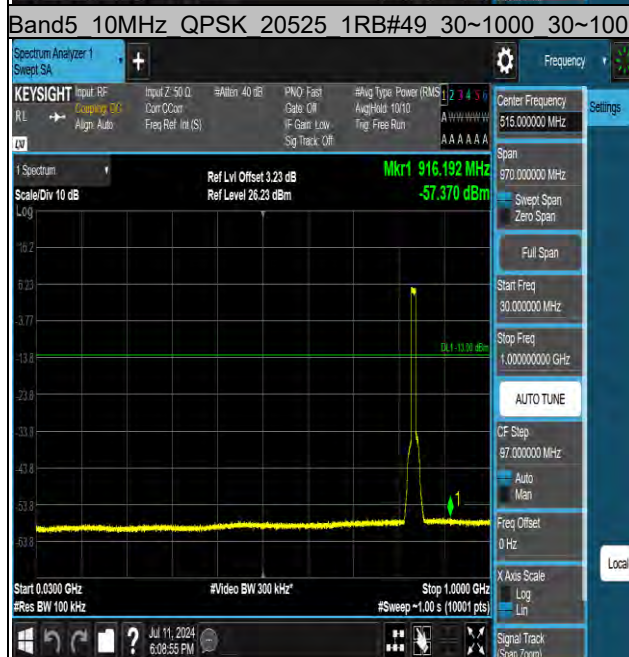


Band5 10MHz QPSK 20525 1RB#0 30~1000 30~1000 Band5 10MHz QPSK 20525 1RB#0 1000~10000 1000~10000



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Test Report No.: W7L-P24100005RF05



Band5 10MHz QPSK 20525 1RB#49 30~1000 30~1000

Band5 10MHz QPSK 20525 1RB#49 1000~10000 1000~10000

Band5 10MHz QPSK 20525 50RB#0 30~1000 30~1000

Band5 10MHz QPSK 20525 50RB#0 1000~10000 1000~10000



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VERITAS

Test Report No.: W7L-P24100005RF05



Band5 10MHz QPSK 20600 1RB#49 30~1000 30~1000

Band5 10MHz QPSK 20600 1RB#49 1000~10000 1000~10000



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VERITAS

Test Report No.: W7L-P24100005RF05



Band5 10MHz QPSK 20600 50RB#0 30~1000 30~1000 Band5 10MHz QPSK 20600 50RB#0 1000~10000 1000~10000



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
Band5	10MHz	QPSK	20450	50RB #0	VN	NT	-1112.44	-1.341903	824.5275	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	VL	NT	1245.72	1.502678	824.52736	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	VH	NT	-1288.92	-1.554789	824.52536	---	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VN	NT	912.37	1.081002	---	848.46873	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VL	NT	-952.20	-1.128201	---	848.46808	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	VH	NT	-1043.96	-1.236915	---	848.4667	824-849	PASS



Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band5	10MHz	QPSK	20450	50RB #0	NV	-30	-1140.91	-1.376251	824.53423	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	-20	1154.40	1.392527	824.53179	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	-10	-1316.26	-1.587773	824.52735	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	0	-1477.79	-1.782619	824.52857	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	10	1393.23	1.680619	824.52104	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	20	-1443.36	-1.741087	824.52696	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	30	-1522.91	-1.837049	824.52669	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	40	-1641.41	-1.979985	824.53003	---	824-849	PASS
Band5	10MHz	QPSK	20450	50RB #0	NV	50	-1735.08	-2.092976	824.52197	---	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-30	911.51	1.079984	---	848.47394	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-20	-1154.98	-1.368458	---	848.46817	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	-10	-1274.75	-1.510363	---	848.46859	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	0	1079.65	1.279210	---	848.46462	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	10	974.25	1.154323	---	848.46836	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	20	-583.68	-0.691567	---	848.47159	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	30	-691.71	-0.819567	---	848.46647	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	40	467.28	0.553651	---	848.46534	824-849	PASS
Band5	10MHz	QPSK	20600	50RB #0	NV	50	214.18	0.253774	---	848.46834	824-849	PASS

---END---