



Band5	4182	NV	-30	-10.50	-0.012554	±2.5	PASS
Band5	4182	NV	-20	-10.14	-0.012123	±2.5	PASS
Band5	4182	NV	-10	-9.06	-0.010832	±2.5	PASS
Band5	4182	NV	0	-10.23	-0.012231	±2.5	PASS
Band5	4182	NV	10	-8.33	-0.009959	±2.5	PASS
Band5	4182	NV	20	-8.26	-0.009876	±2.5	PASS
Band5	4182	NV	30	-9.88	-0.011813	±2.5	PASS
Band5	4182	NV	40	-9.54	-0.011406	±2.5	PASS
Band5	4182	NV	50	-9.77	-0.011681	±2.5	PASS
Band5	4233	NV	-30	-11.32	-0.013371	±2.5	PASS
Band5	4233	NV	-20	-6.76	-0.007985	±2.5	PASS
Band5	4233	NV	-10	-9.58	-0.011316	±2.5	PASS
Band5	4233	NV	0	-8.63	-0.010194	±2.5	PASS
Band5	4233	NV	10	-7.67	-0.009060	±2.5	PASS
Band5	4233	NV	20	-6.77	-0.007997	±2.5	PASS
Band5	4233	NV	30	-7.95	-0.009391	±2.5	PASS
Band5	4233	NV	40	-8.43	-0.009957	±2.5	PASS
Band5	4233	NV	50	-10.79	-0.012745	±2.5	PASS

Note: LV = Low voltage(3.5V); NV = Normal voltage(3.8V); HV = High voltage(4.2V); NT = Normal temperature (25℃).

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
fL- MAX(Δf)	824.30395	≥824	PASS
fH- MAX(Δf)	848.70255	≤849	

Note : 1. |MAX(Δf)| = Max Deviation

2. fL = Occ low channel fL(-13dBm/MHz)

3. fH = Occ High channel fH(-13dBm/MHz)

4. |MAX(Δf)| = -12.73Hz.

LTE BAND5 LTE Band5

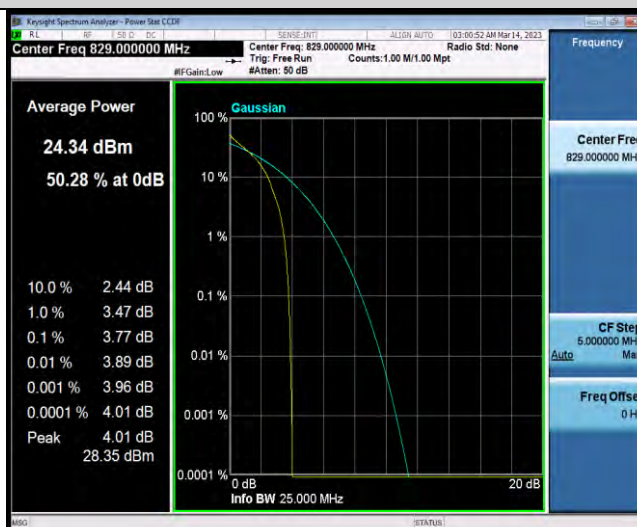
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

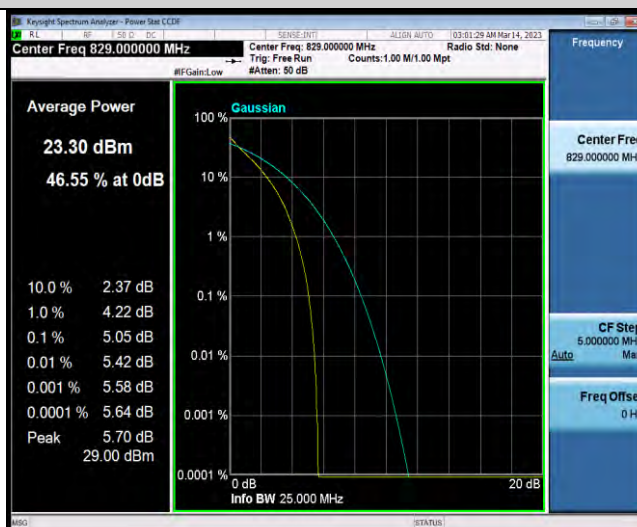
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	3.77	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.05	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.94	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.20	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.59	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.88	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.62	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.84	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.76	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.01	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.65	13	PASS
Band5	10MHz	64QAM	20450	1RB#0	5.55	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.32	13	PASS
Band5	10MHz	64QAM	20525	1RB#0	5.47	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.41	13	PASS
Band5	10MHz	64QAM	20600	1RB#0	6.46	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.05	13	PASS

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-1RB#0

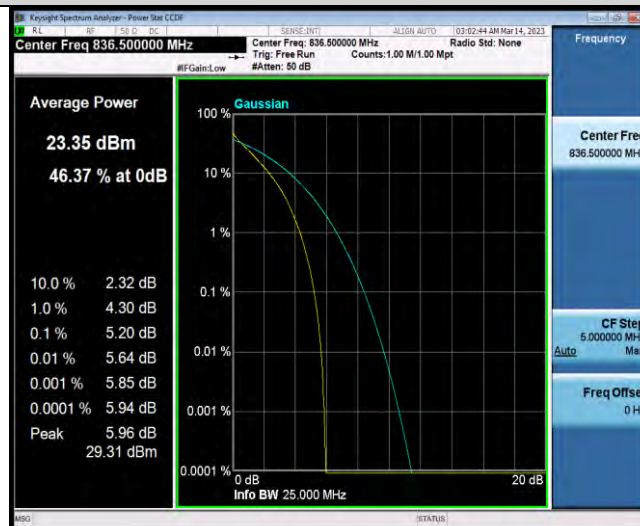


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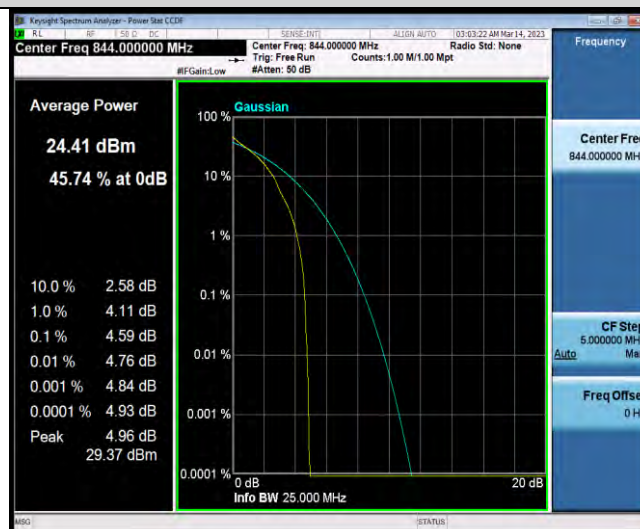
Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-1RB#0

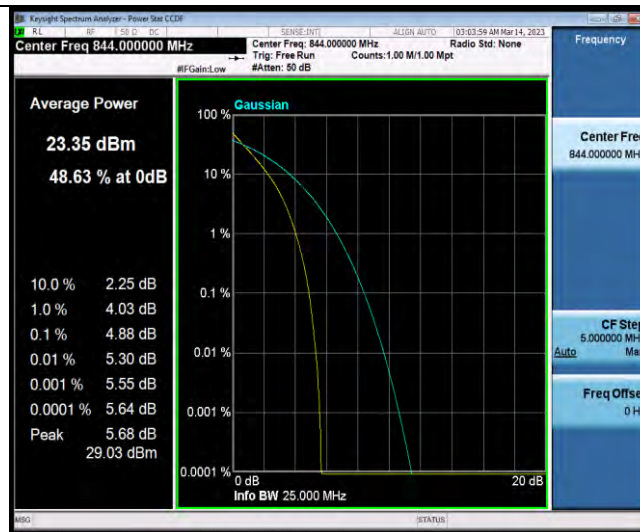


Band5-10MHz-QPSK-20600-50RB#0

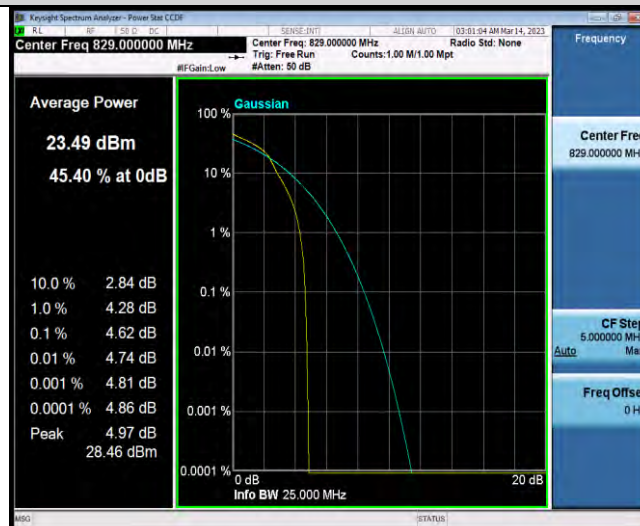


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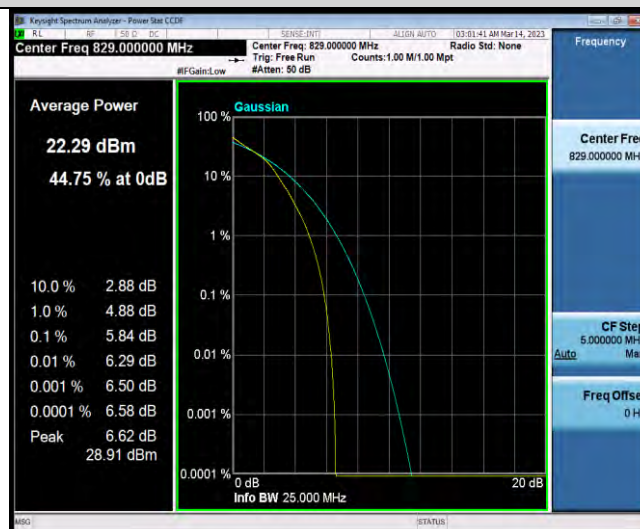
Test Report No.: W7L-P23030004RF04



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-1RB#0

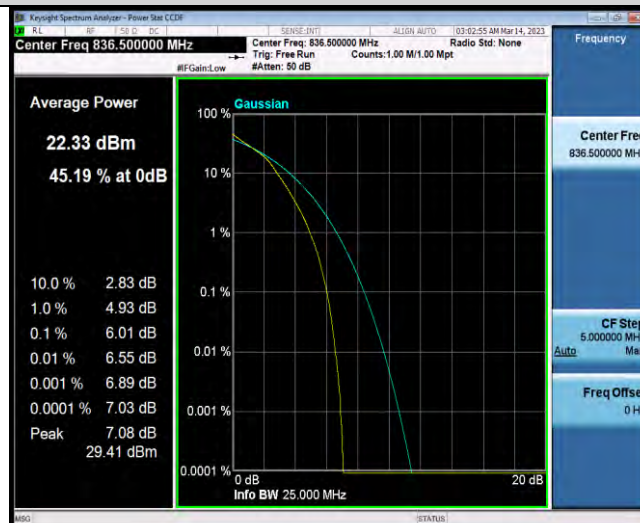


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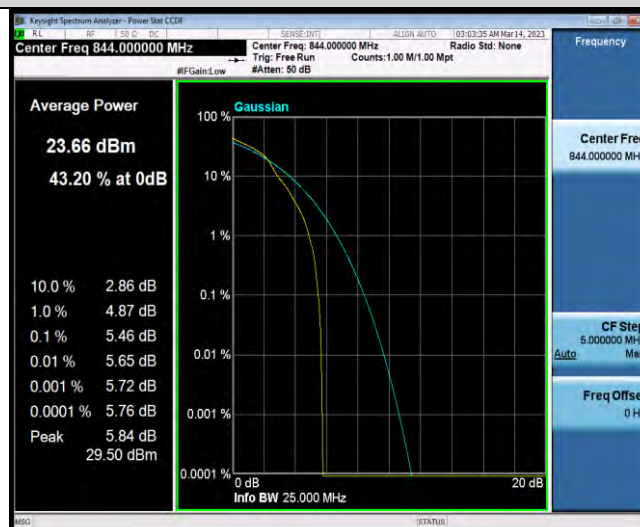
Test Report No.: W7L-P23030004RF04



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0

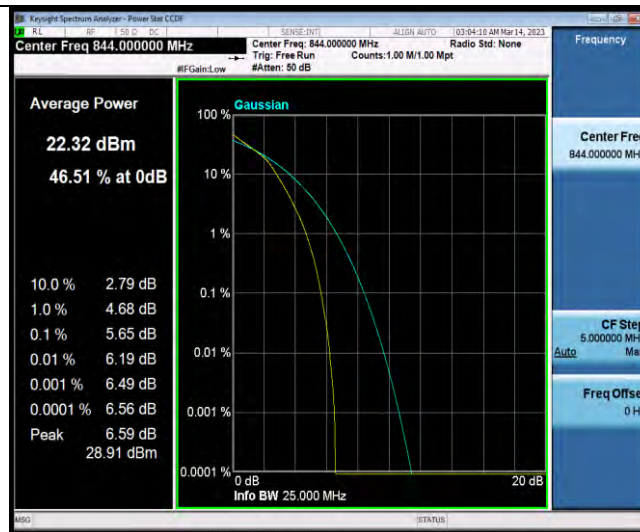


Band5-10MHz-16QAM-20600-50RB#0

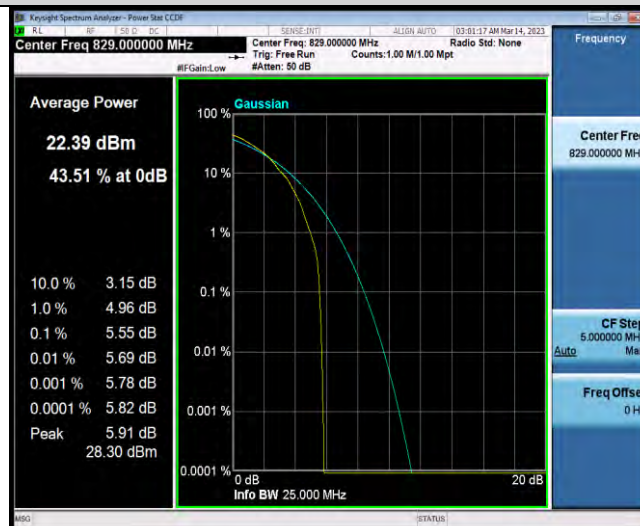


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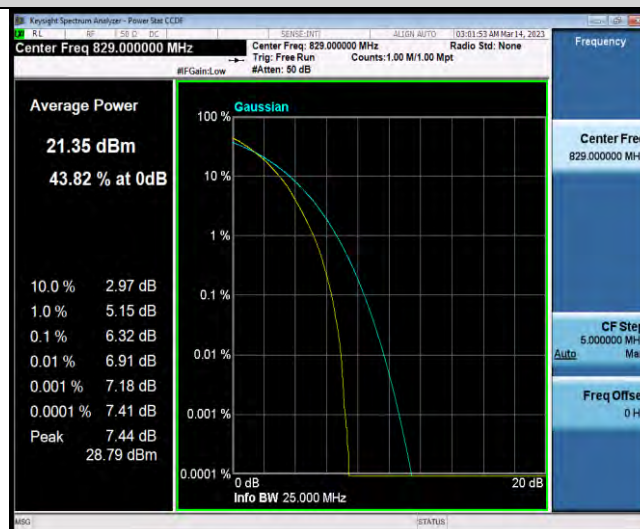
Test Report No.: W7L-P23030004RF04



Band5-10MHz-64QAM-20450-1RB#0



Band5-10MHz-64QAM-20450-50RB#0

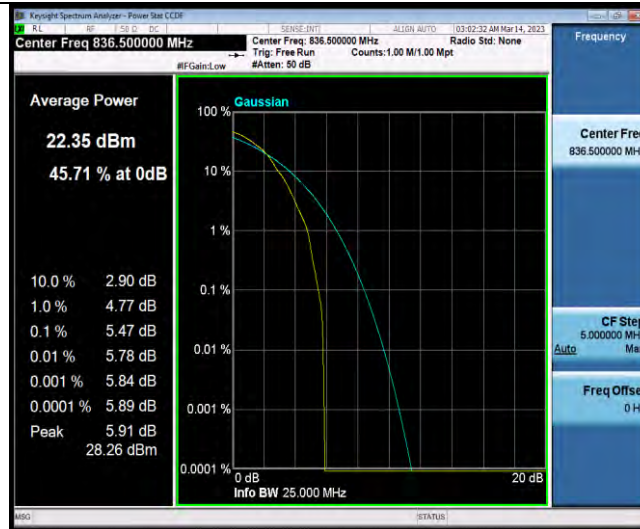


Band5-10MHz-64QAM-20525-1RB#0

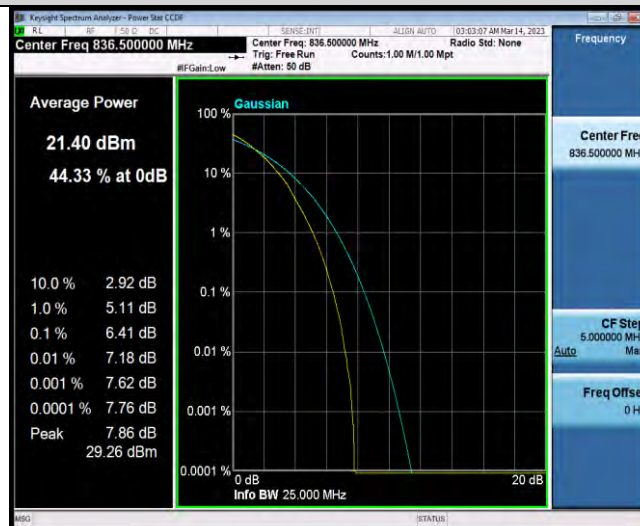


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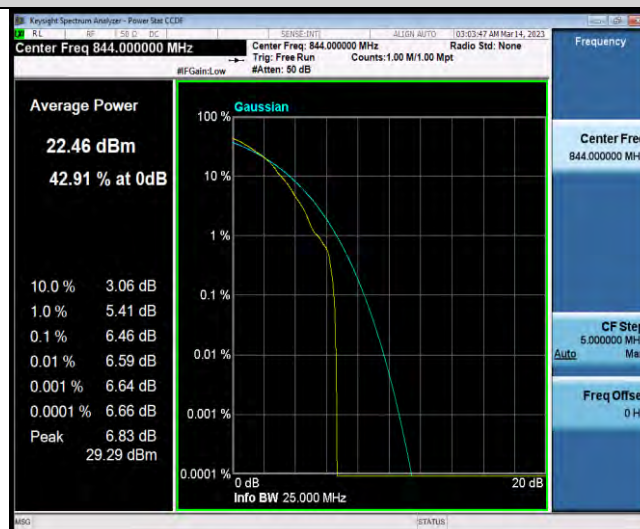
Test Report No.: W7L-P23030004RF04



Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-1RB#0

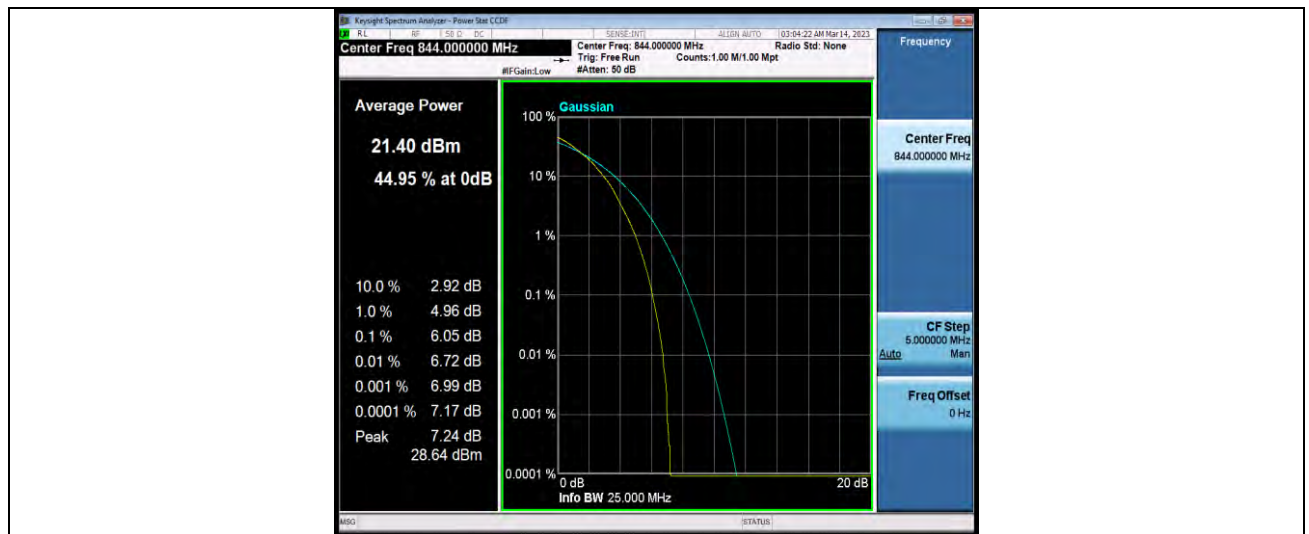


Band5-10MHz-64QAM-20600-50RB#0



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Test Report No.: W7L-P23030004RF04



26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0906	1.259	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0883	1.257	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0907	1.268	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0930	1.247	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0920	1.272	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0930	1.267	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.0855	1.244	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.0872	1.244	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.0875	1.242	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6909	2.853	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6904	2.857	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6961	2.863	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6894	2.853	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6897	2.869	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6884	2.872	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.6942	2.855	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.6850	2.852	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.6923	2.860	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5001	4.801	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4949	4.798	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5008	4.821	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5035	4.815	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4981	4.781	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5045	4.837	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.4955	4.805	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.4937	4.811	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.4980	4.793	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9892	9.546	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9931	9.512	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9859	9.548	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9832	9.527	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9942	9.518	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9759	9.518	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.9752	9.518	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.9969	9.533	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.9678	9.507	PASS

Test Graphs



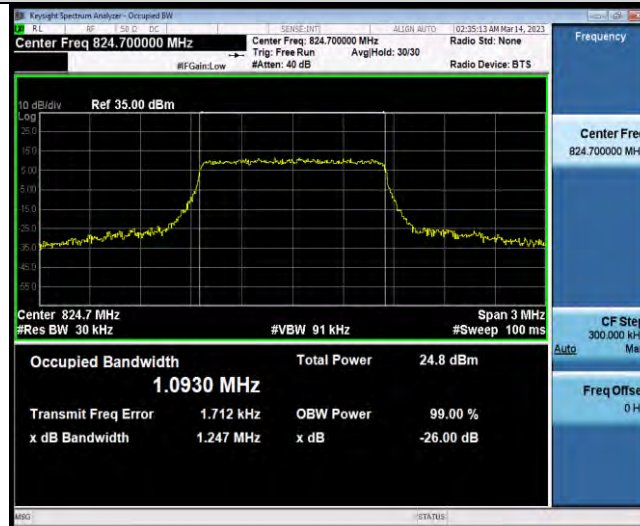


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Test Report No.: W7L-P23030004RF04



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0

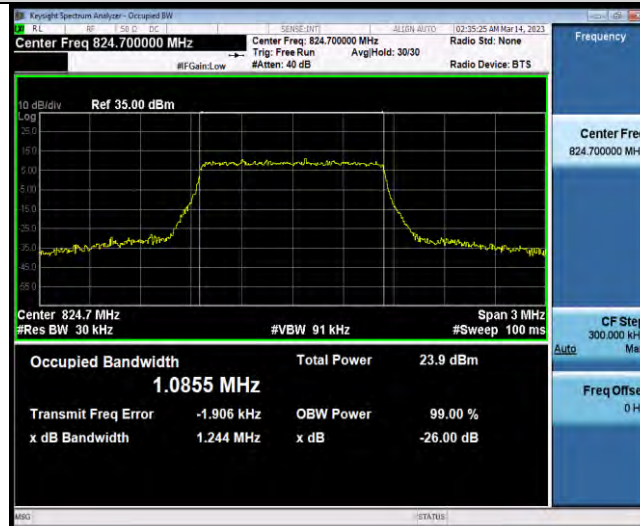


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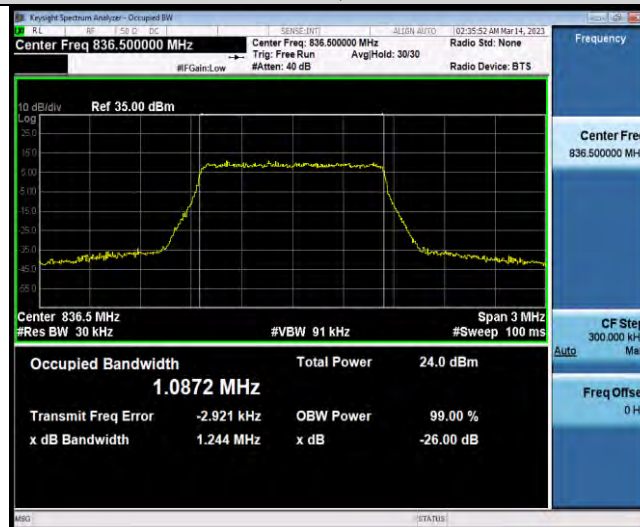
Test Report No.: W7L-P23030004RF04



Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-6RB#0



Band5-1.4MHz-64QAM-20643-6RB#0

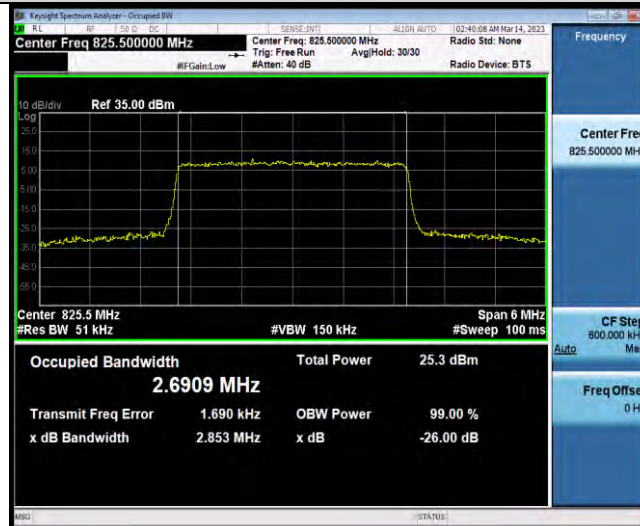


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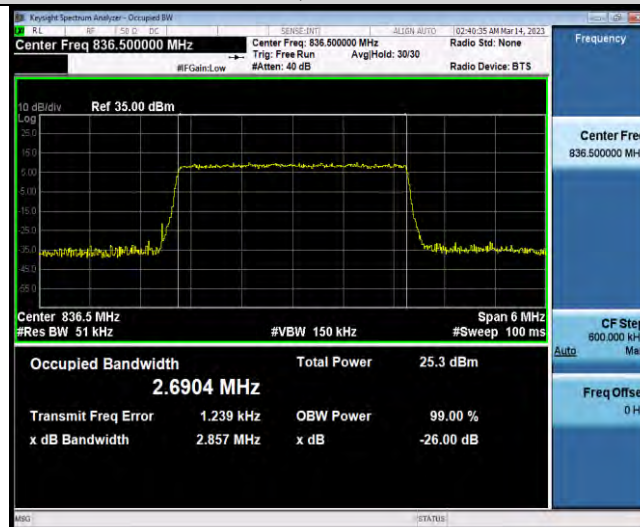
Test Report No.: W7L-P23030004RF04



Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-15RB#0

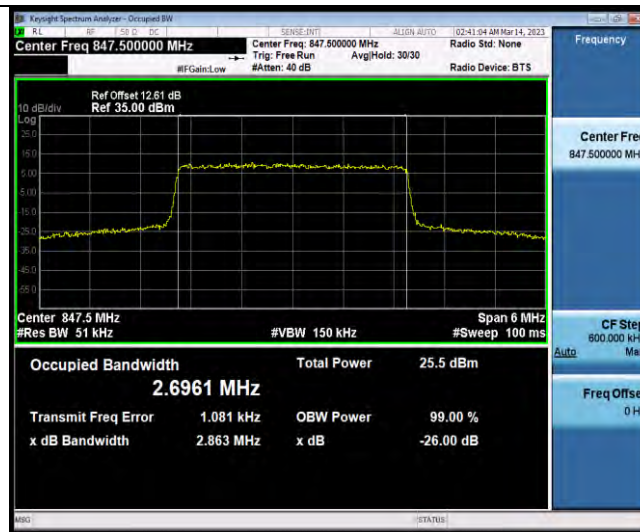


Band5-3MHz-QPSK-20635-15RB#0

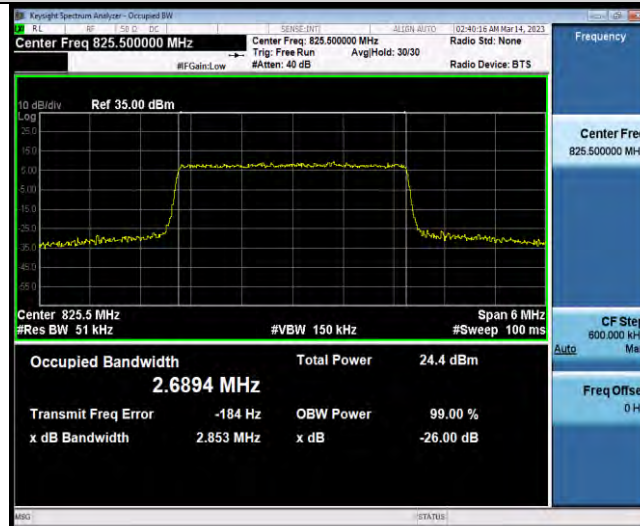


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Test Report No.: W7L-P23030004RF04



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0

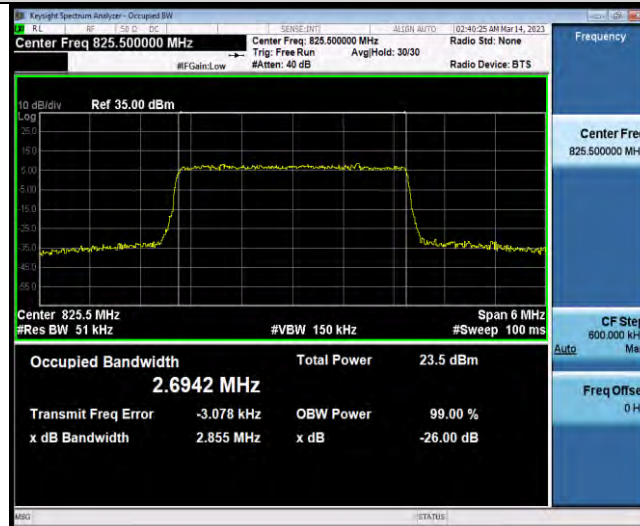


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Test Report No.: W7L-P23030004RF04



Band5-3MHz-64QAM-20415-15RB#0



Band5-3MHz-64QAM-20525-15RB#0

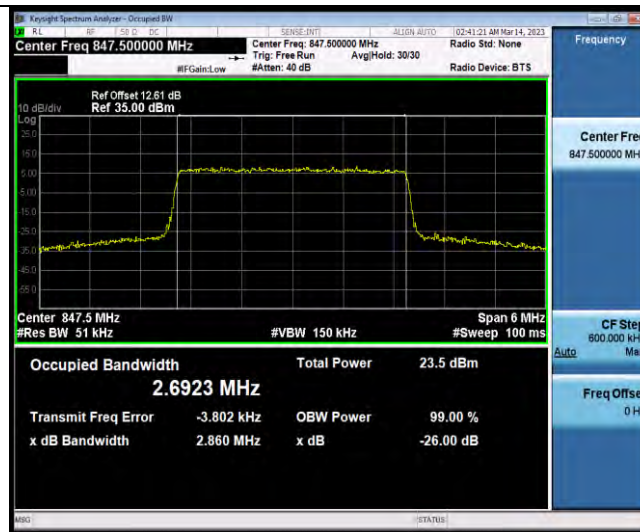


Band5-3MHz-64QAM-20635-15RB#0



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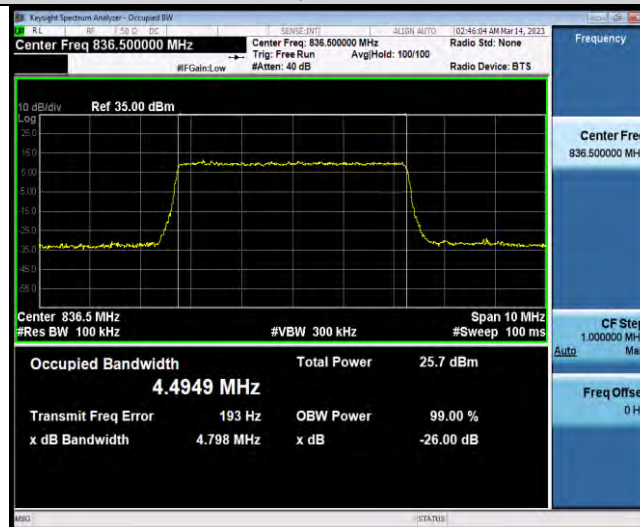
Test Report No.: W7L-P23030004RF04



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



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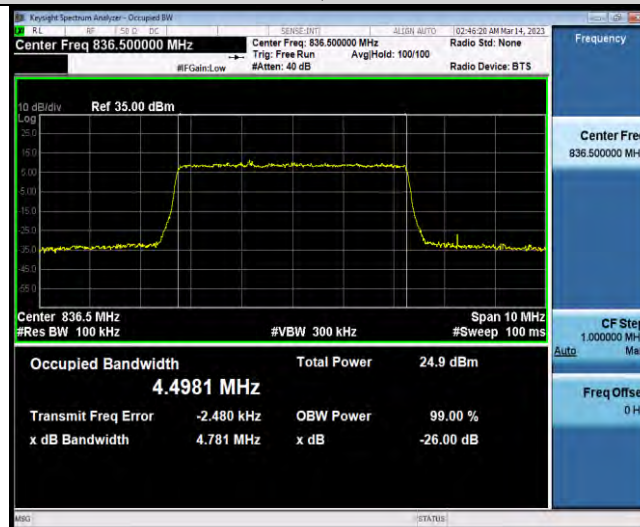
Test Report No.: W7L-P23030004RF04



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0

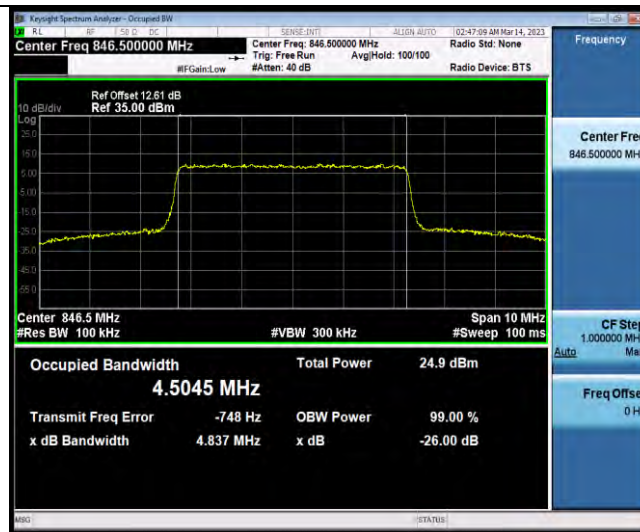


Band5-5MHz-16QAM-20625-25RB#0

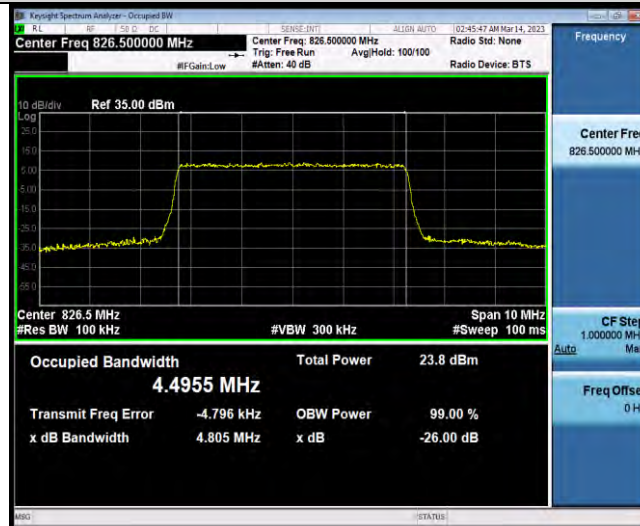


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Test Report No.: W7L-P23030004RF04



Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-25RB#0



Band5-5MHz-64QAM-20625-25RB#0



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Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0



Test Report No.: W7L-P23030004RF04



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



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Test Report No.: W7L-P23030004RF04



Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



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Test Report No.: W7L-P23030004RF04



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-49.54,-22.78	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-37.41,-27.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-25.95,-48.52	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-24.13,-41.37	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-49.53,-25.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-40.64,-28.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-28.40,-48.23	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-26.13,-42.93	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-50.09,-26.42	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-45.89,-30.91	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-33.55,-49.64	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-29.60,-44.55	PASS
Band5	3MHz	QPSK	20415	1RB#0	-44.72,-23.07	PASS
Band5	3MHz	QPSK	20415	15RB#0	-33.70,-28.16	PASS
Band5	3MHz	QPSK	20635	1RB#14	-24.70,-40.80	PASS
Band5	3MHz	QPSK	20635	15RB#0	-22.63,-26.96	PASS
Band5	3MHz	16QAM	20415	1RB#0	-47.07,-25.17	PASS
Band5	3MHz	16QAM	20415	15RB#0	-35.12,-30.02	PASS
Band5	3MHz	16QAM	20635	1RB#14	-29.19,-42.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	-25.38,-29.22	PASS
Band5	3MHz	64QAM	20415	1RB#0	-47.12,-25.43	PASS
Band5	3MHz	64QAM	20415	15RB#0	-38.14,-32.32	PASS
Band5	3MHz	64QAM	20635	1RB#14	-28.80,-45.69	PASS
Band5	3MHz	64QAM	20635	15RB#0	-28.77,-33.81	PASS
Band5	5MHz	QPSK	20425	1RB#0	-46.44,-25.39	PASS
Band5	5MHz	QPSK	20425	25RB#0	-34.28,-31.01	PASS
Band5	5MHz	QPSK	20625	1RB#24	-24.65,-42.63	PASS
Band5	5MHz	QPSK	20625	25RB#0	-24.49,-27.96	PASS
Band5	5MHz	16QAM	20425	1RB#0	-48.85,-27.30	PASS
Band5	5MHz	16QAM	20425	25RB#0	-36.26,-32.34	PASS
Band5	5MHz	16QAM	20625	1RB#24	-26.32,-44.06	PASS
Band5	5MHz	16QAM	20625	25RB#0	-27.75,-30.88	PASS
Band5	5MHz	64QAM	20425	1RB#0	-51.39,-28.14	PASS
Band5	5MHz	64QAM	20425	25RB#0	-38.14,-35.30	PASS
Band5	5MHz	64QAM	20625	1RB#24	-28.54,-45.79	PASS
Band5	5MHz	64QAM	20625	25RB#0	-31.05,-33.49	PASS
Band5	10MHz	QPSK	20450	1RB#0	-50.93,-32.68	PASS
Band5	10MHz	QPSK	20450	50RB#0	-37.30,-30.08	PASS
Band5	10MHz	QPSK	20600	1RB#49	-32.15,-45.03	PASS
Band5	10MHz	QPSK	20600	50RB#0	-26.84,-32.78	PASS
Band5	10MHz	16QAM	20450	1RB#0	-50.95,-32.10	PASS
Band5	10MHz	16QAM	20450	50RB#0	-38.59,-31.49	PASS
Band5	10MHz	16QAM	20600	1RB#49	-32.35,-48.37	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.27,-35.10	PASS

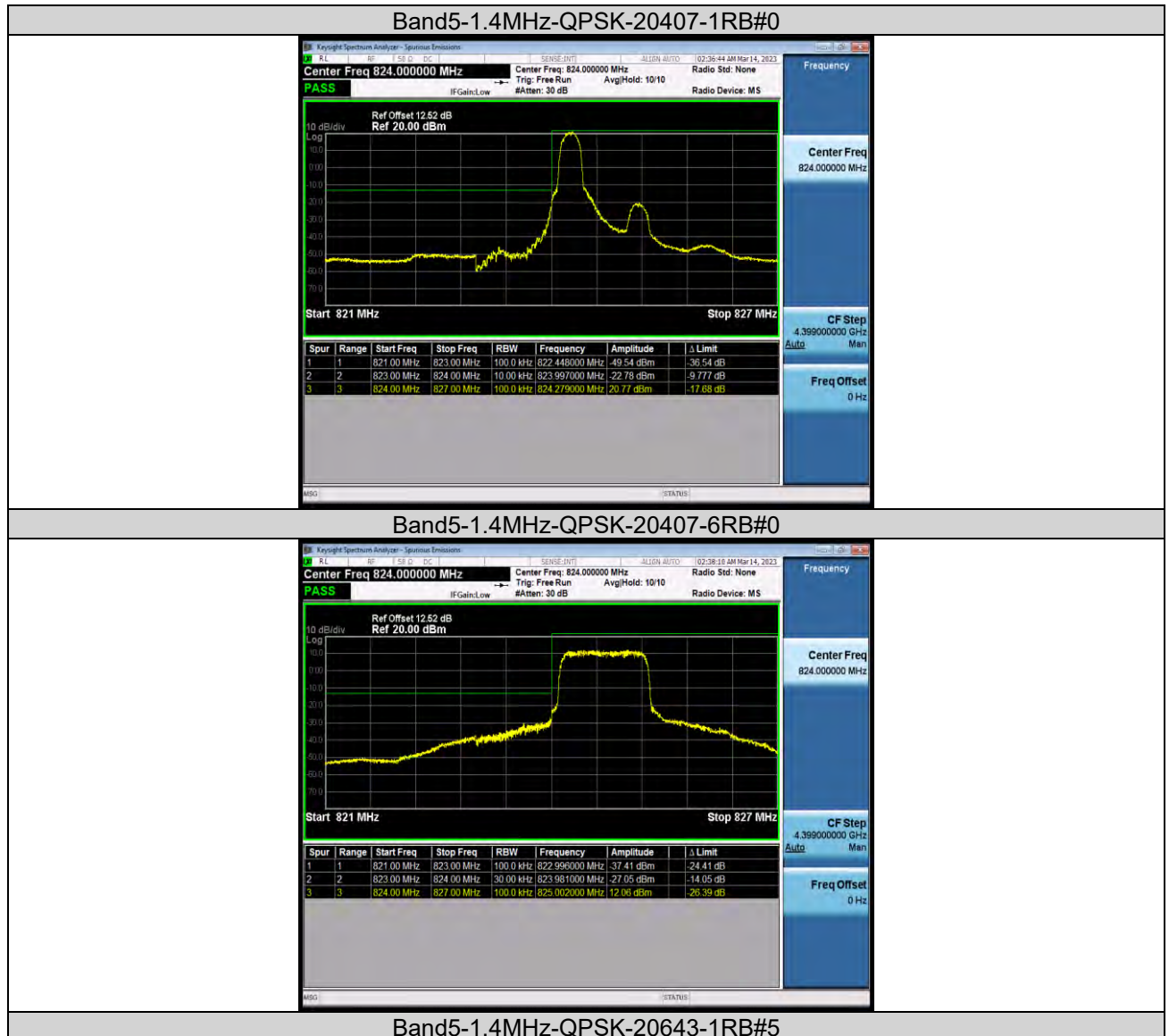


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Test Report No.: W7L-P23030004RF04

Band5	10MHz	64QAM	20450	1RB#0	-52.00,-31.75	PASS
Band5	10MHz	64QAM	20450	50RB#0	-39.90,-33.06	PASS
Band5	10MHz	64QAM	20600	1RB#49	-33.65,-51.19	PASS
Band5	10MHz	64QAM	20600	50RB#0	-33.49,-39.41	PASS

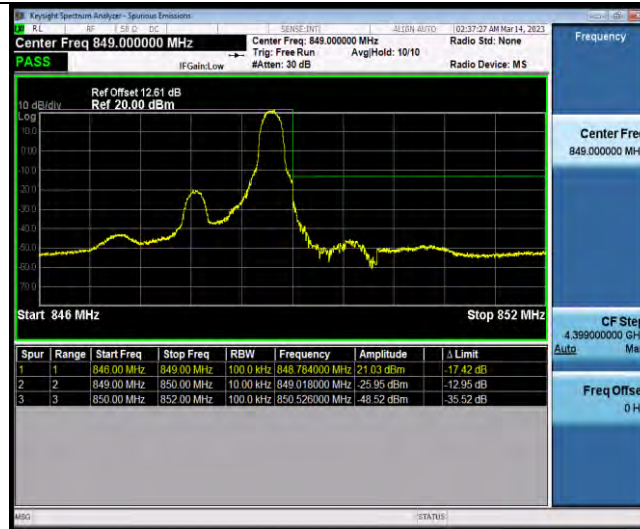
Test Graphs





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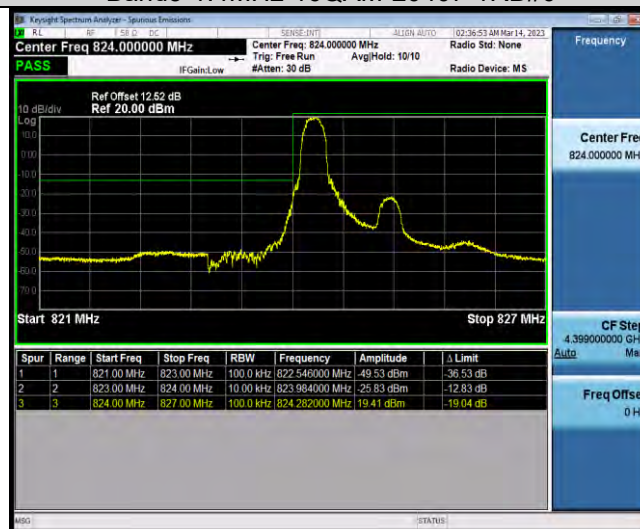
Test Report No.: W7L-P23030004RF04



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-1RB#0

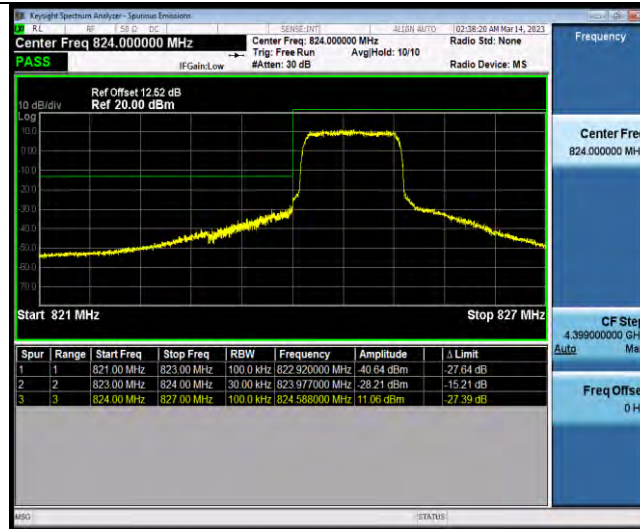


Band5-1.4MHz-16QAM-20407-6RB#0

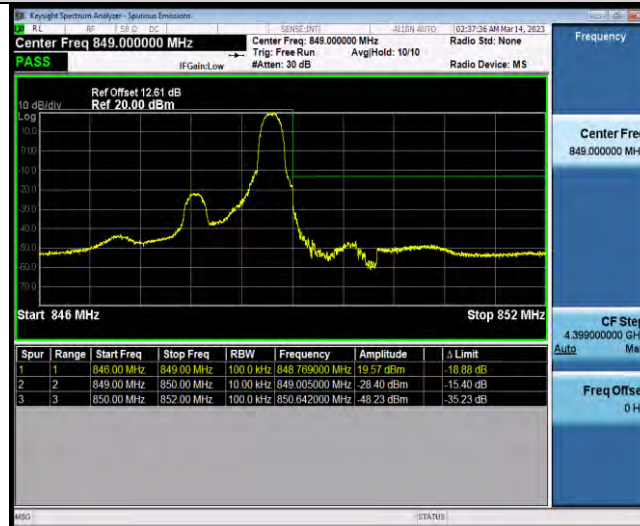


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Test Report No.: W7L-P23030004RF04



Band5-1.4MHz-16QAM-20643-1RB#5



Band5-1.4MHz-16QAM-20643-6RB#0

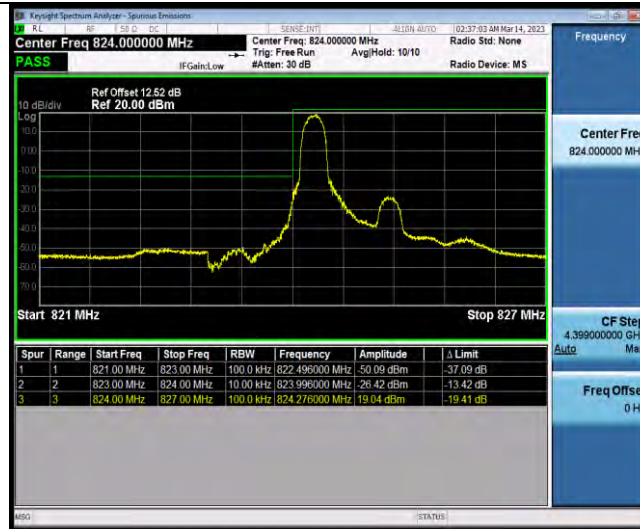


Band5-1.4MHz-64QAM-20407-1RB#0

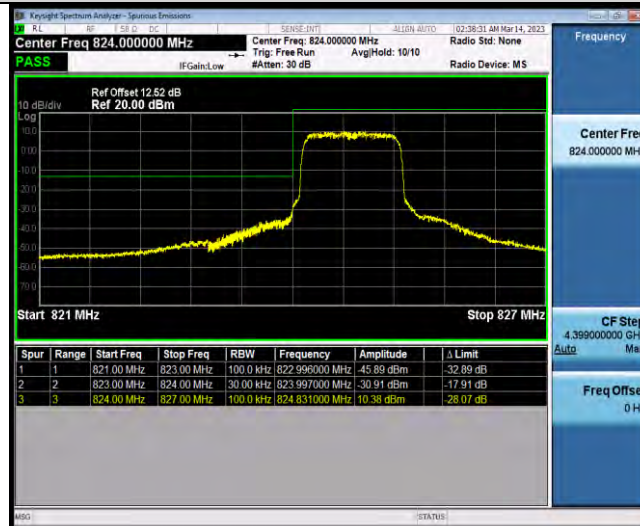


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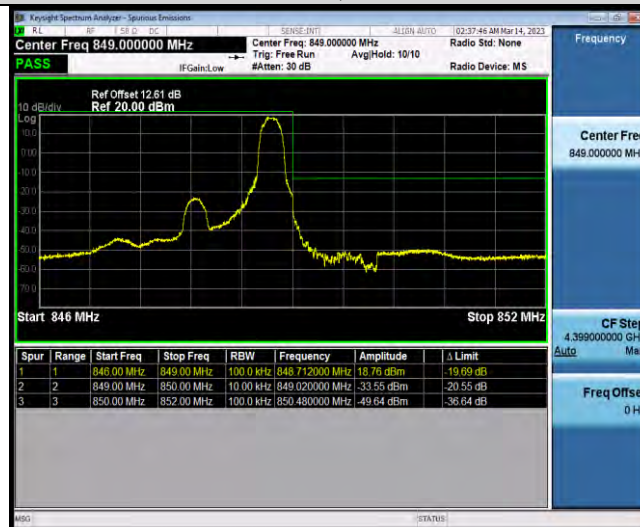
Test Report No.: W7L-P23030004RF04



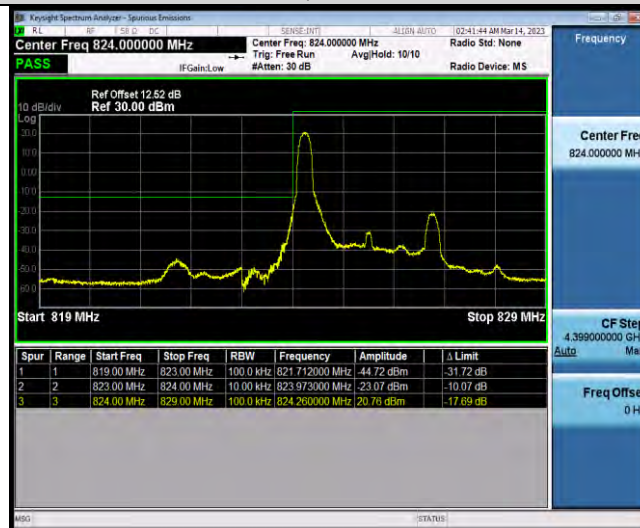
Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20643-1RB#5



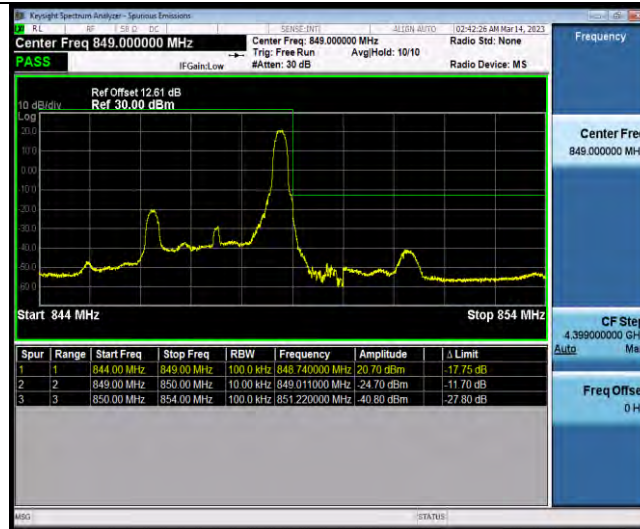
Band5-1.4MHz-64QAM-20643-6RB#0





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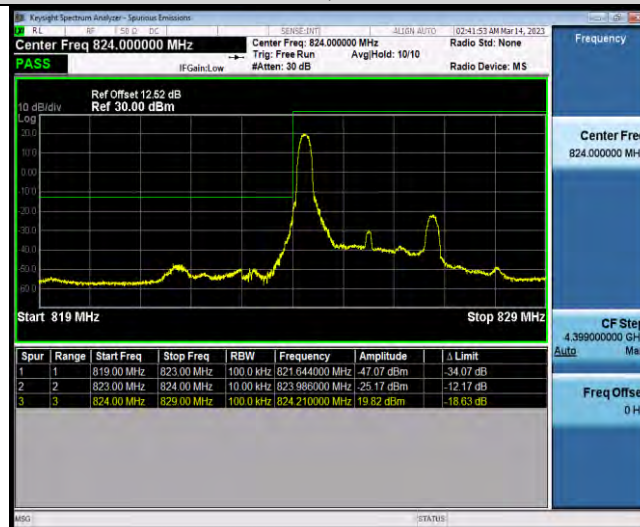
Test Report No.: W7L-P23030004RF04



Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-1RB#0

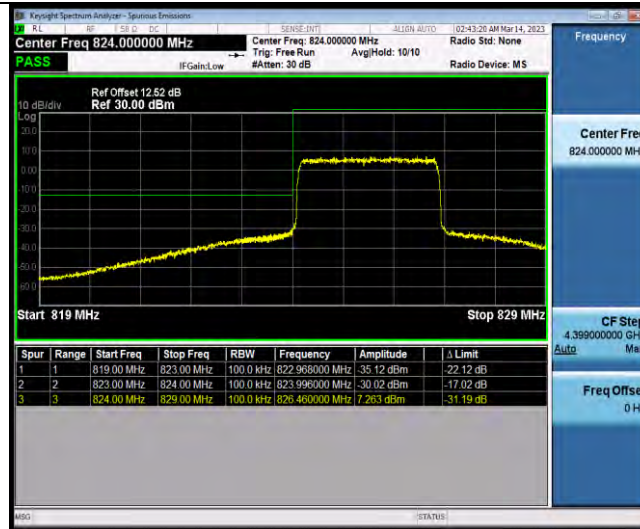


Band5-3MHz-16QAM-20415-15RB#0

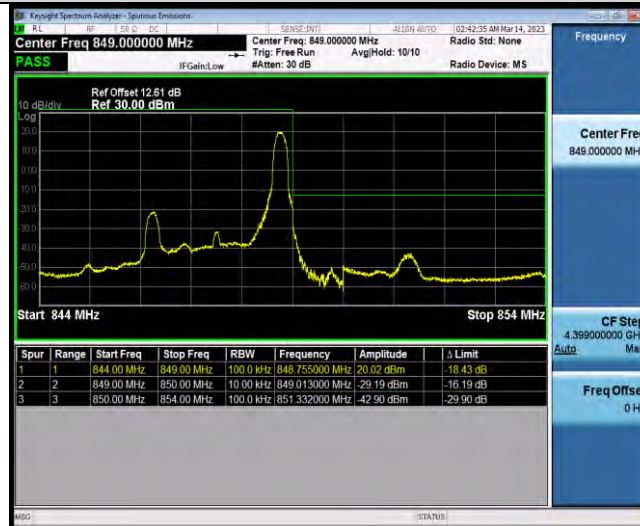


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Test Report No.: W7L-P23030004RF04



Band5-3MHz-16QAM-20635-1RB#14



Band5-3MHz-16QAM-20635-15RB#0

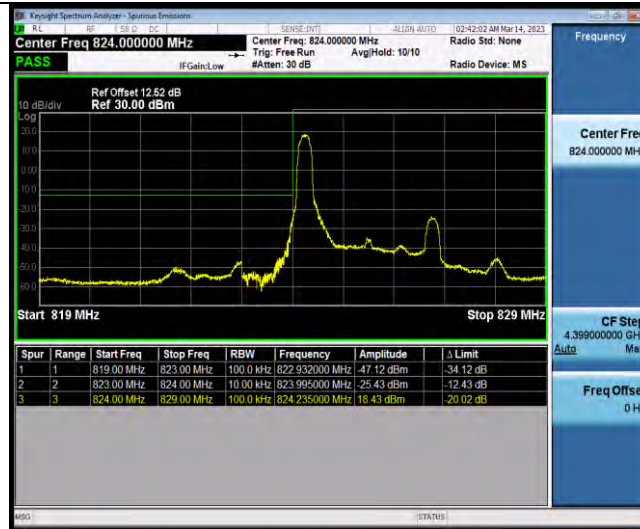


Band5-3MHz-64QAM-20415-1RB#0

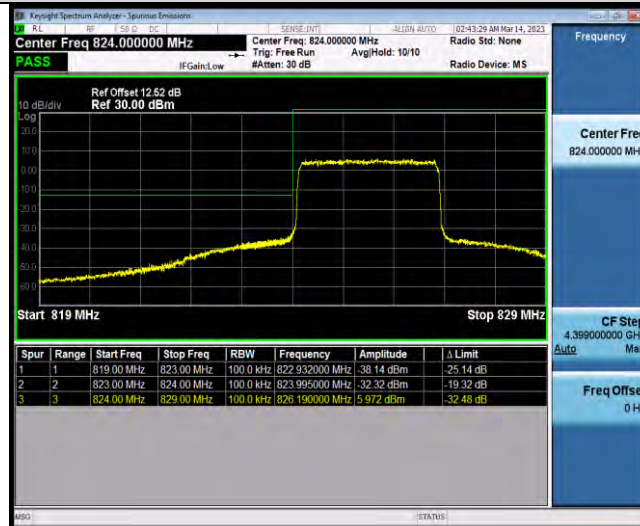


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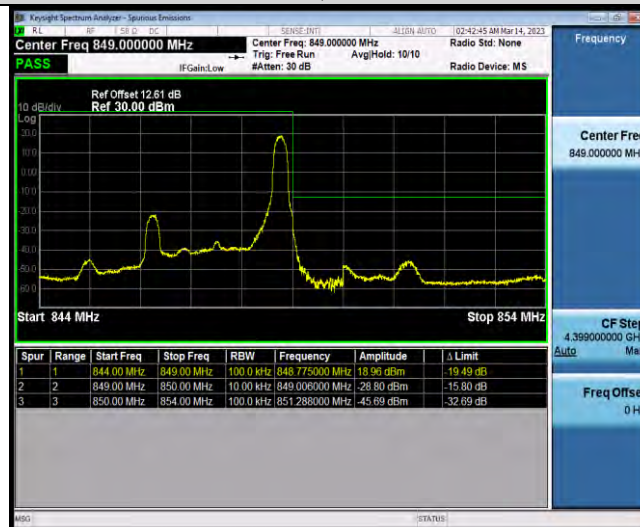
Test Report No.: W7L-P23030004RF04



Band5-3MHz-64QAM-20415-15RB#0



Band5-3MHz-64QAM-20635-1RB#14



Band5-3MHz-64QAM-20635-15RB#0

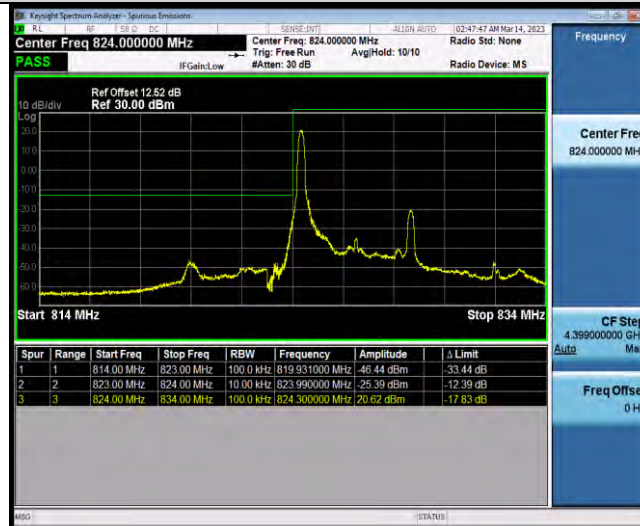


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Test Report No.: W7L-P23030004RF04



Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20625-1RB#24



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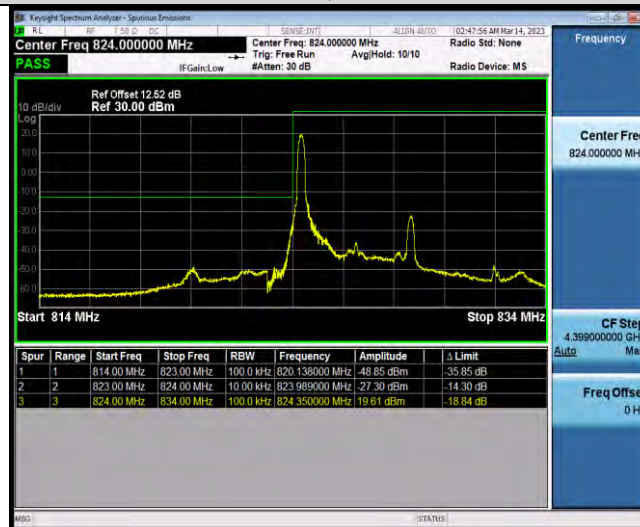
Test Report No.: W7L-P23030004RF04



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-1RB#0

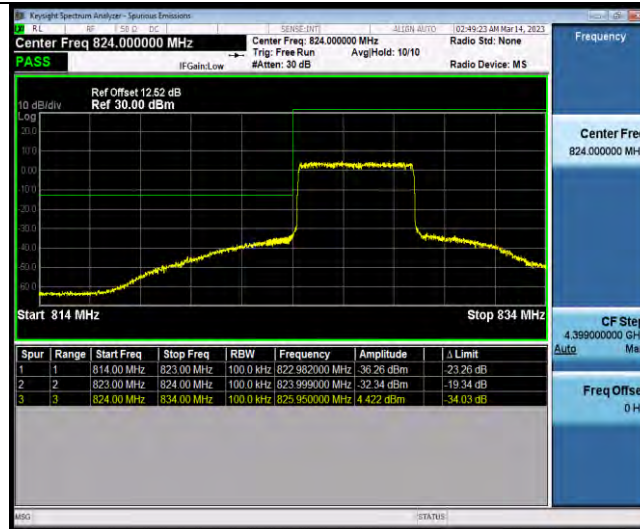


Band5-5MHz-16QAM-20425-25RB#0

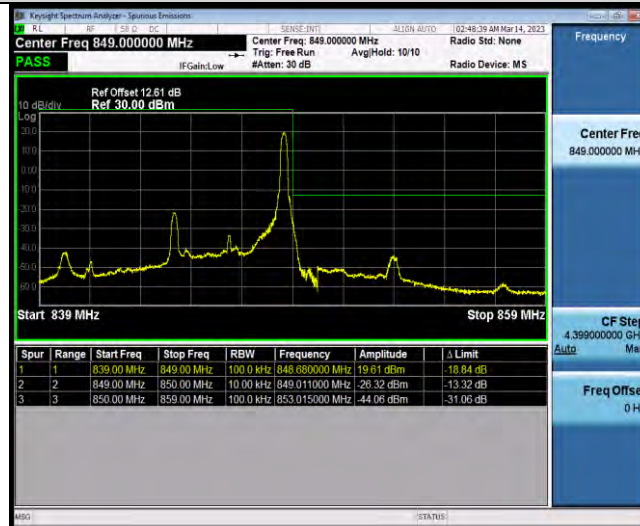


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Test Report No.: W7L-P23030004RF04



Band5-5MHz-16QAM-20625-1RB#24



Band5-5MHz-16QAM-20625-25RB#0

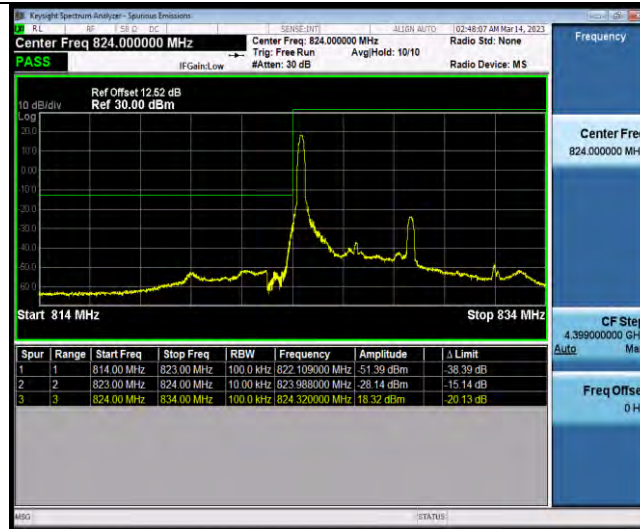


Band5-5MHz-64QAM-20425-1RB#0

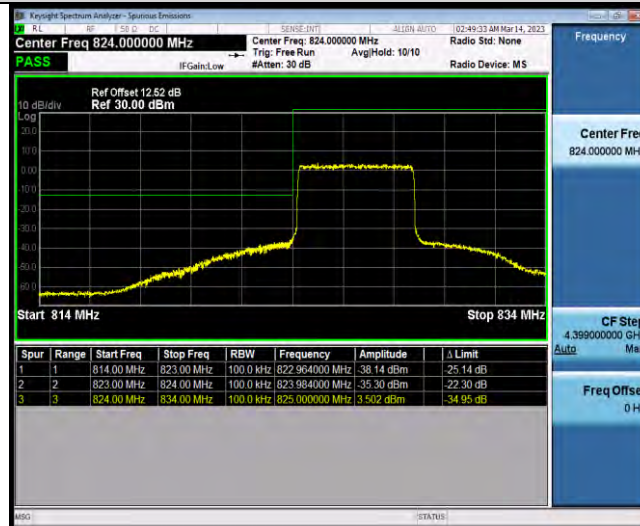


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VERITAS

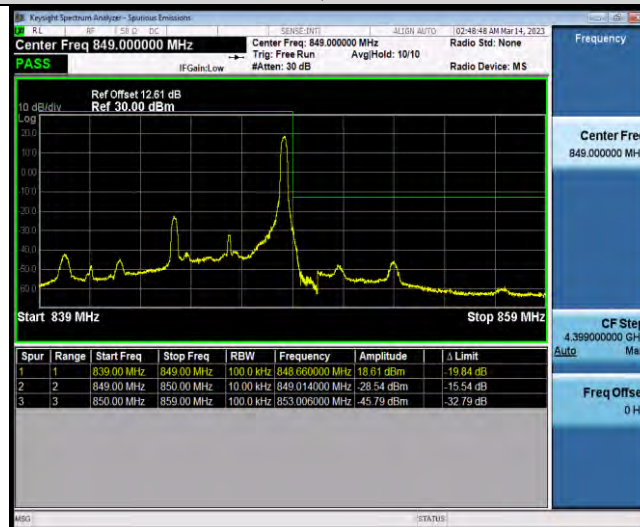
Test Report No.: W7L-P23030004RF04



Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20625-1RB#24



Band5-5MHz-64QAM-20625-25RB#0

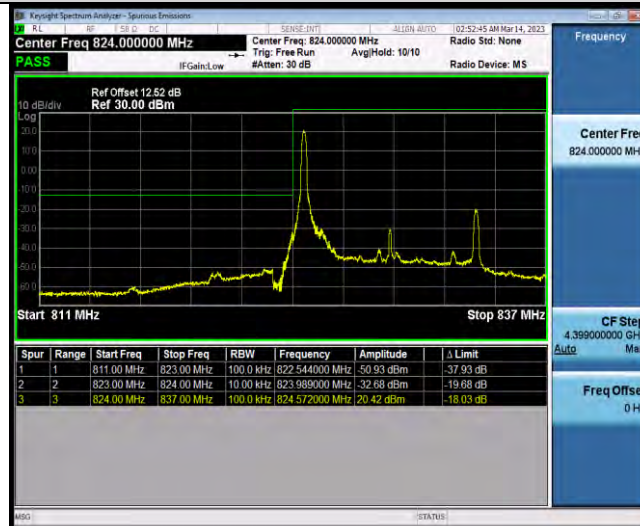


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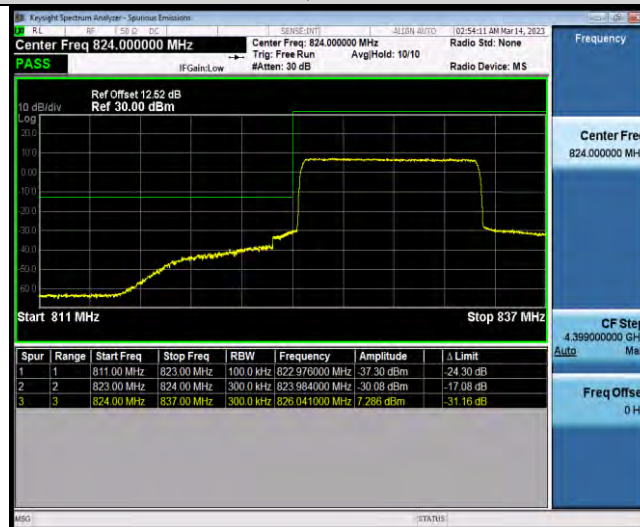
Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#49



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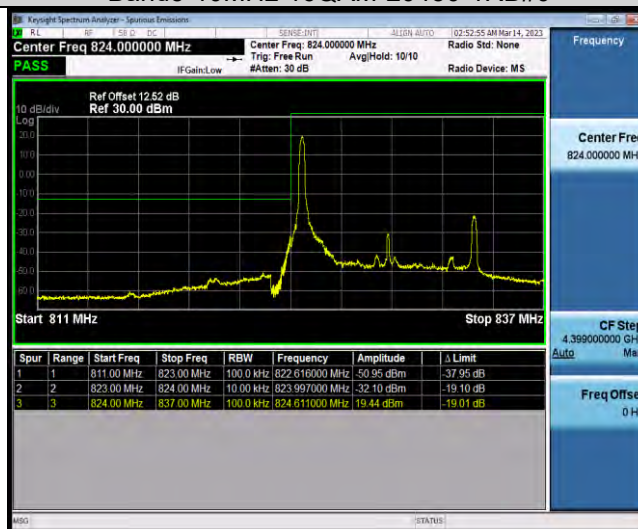
Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0

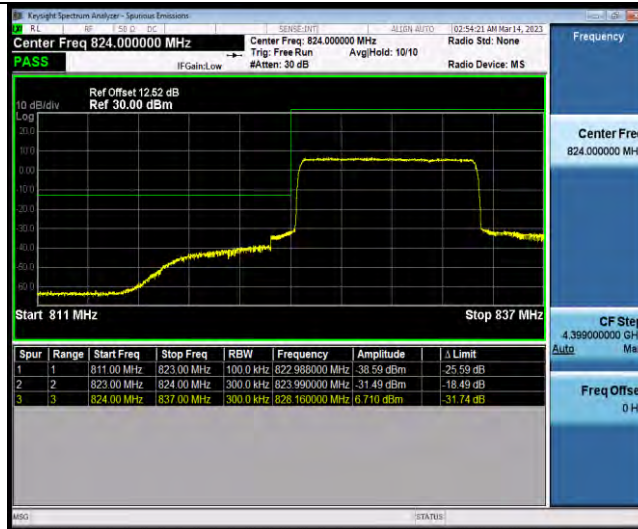


Band5-10MHz-16QAM-20450-50RB#0

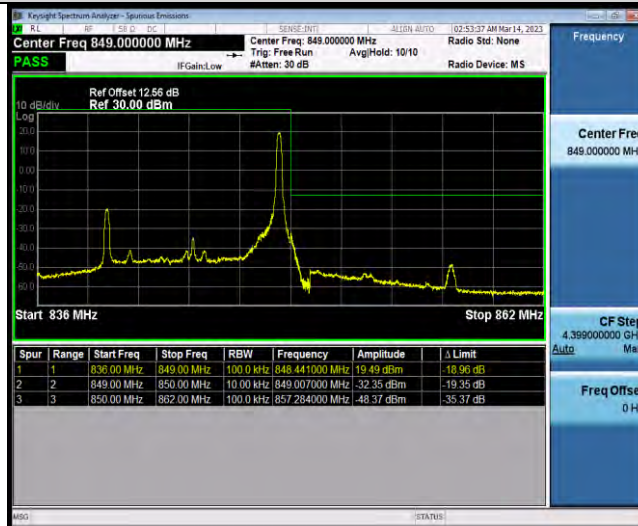


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Test Report No.: W7L-P23030004RF04



Band5-10MHz-16QAM-20600-1RB#49



Band5-10MHz-16QAM-20600-50RB#0

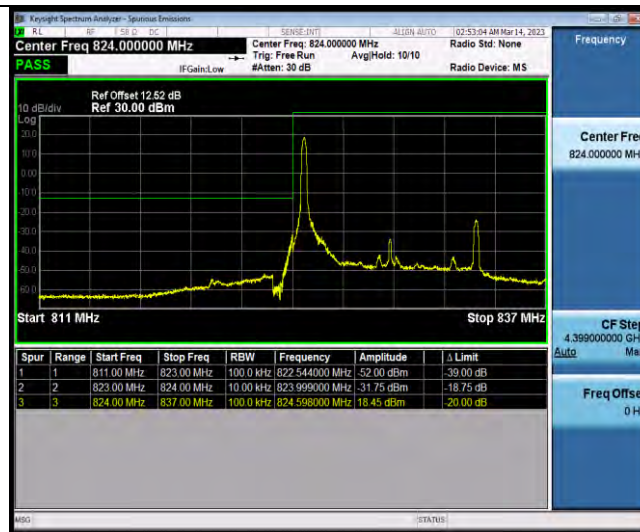


Band5-10MHz-64QAM-20450-1RB#0

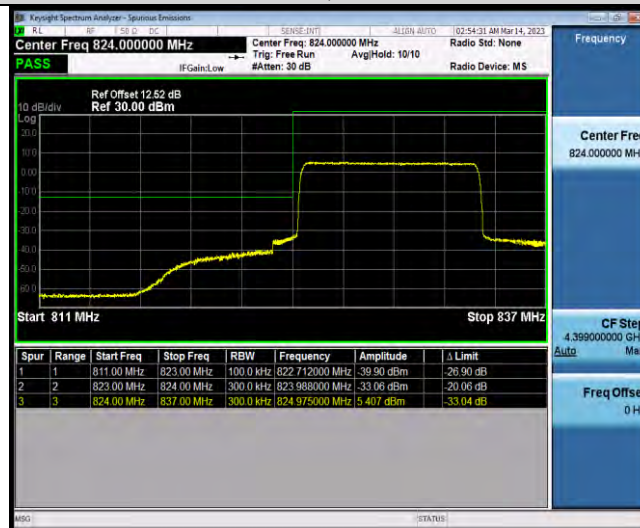


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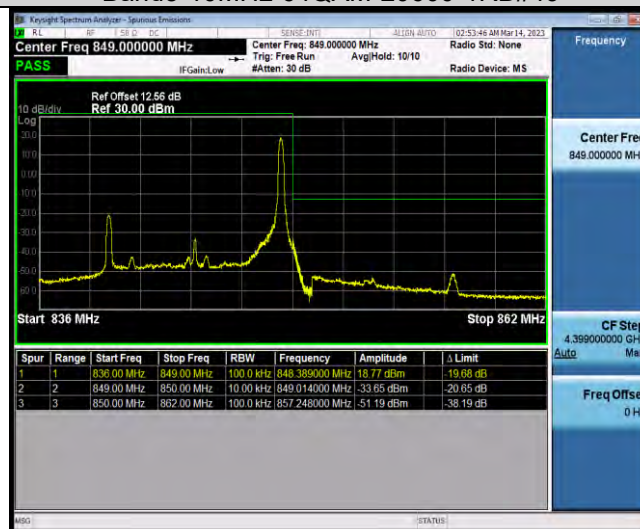
Test Report No.: W7L-P23030004RF04



Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20600-1RB#49



Band5-10MHz-64QAM-20600-50RB#0



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Test Report No.: W7L-P23030004RF04



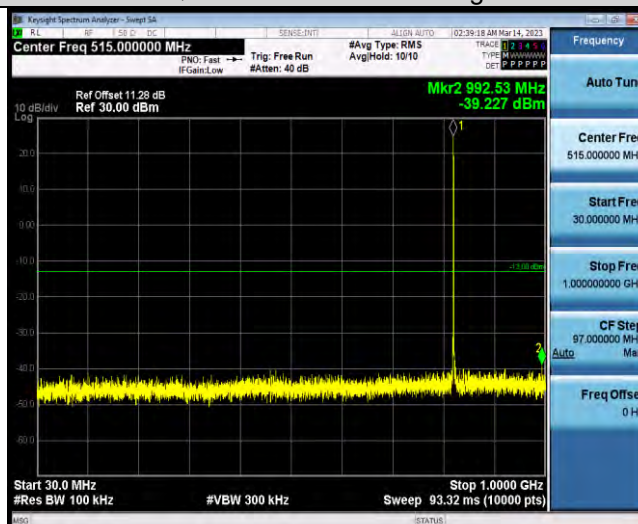
CONDUCTED SPURIOUS EMISSION

Test Result

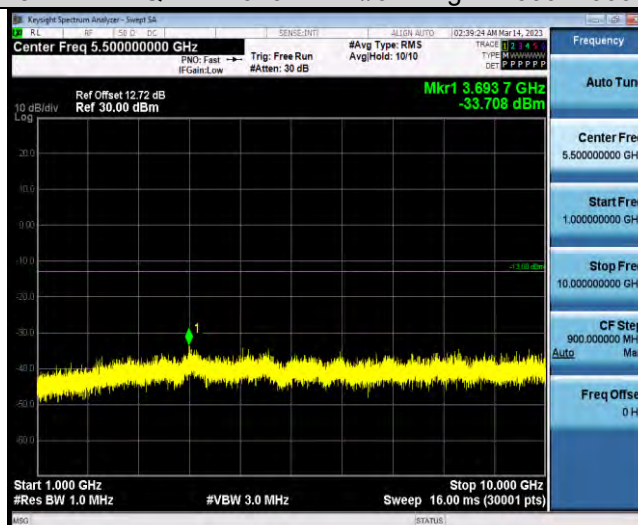
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-39.23	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-33.71	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-40.21	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-33.44	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-39.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-34.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-39.93	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-33.35	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-39.97	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-34.18	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-39.78	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-33.81	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-39.58	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-33.88	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-39.79	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-32.95	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-39.16	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-34.11	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-39.98	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-33.81	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-39.61	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-33.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-40.48	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-33.56	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz

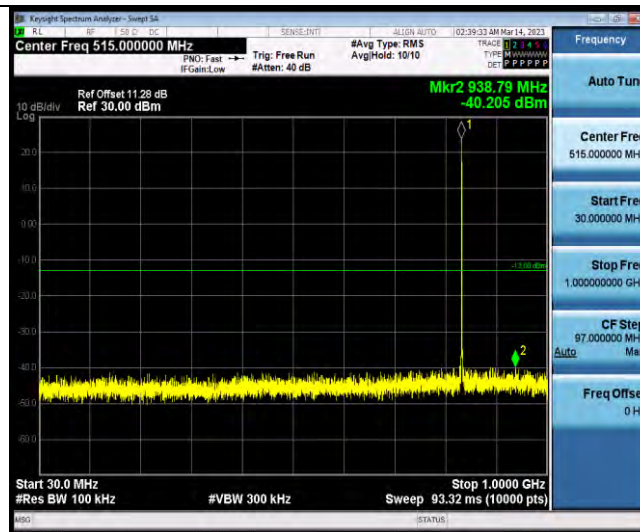


Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

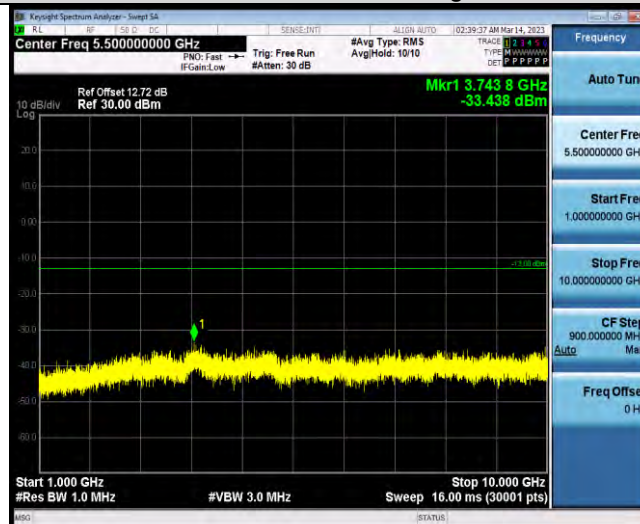


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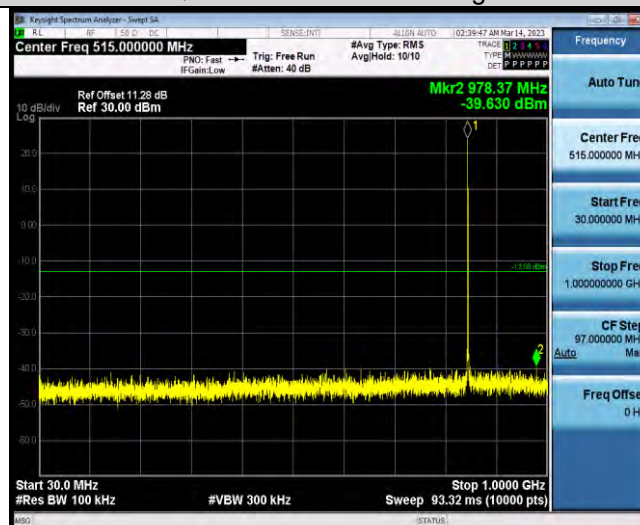
Test Report No.: W7L-P23030004RF04



Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

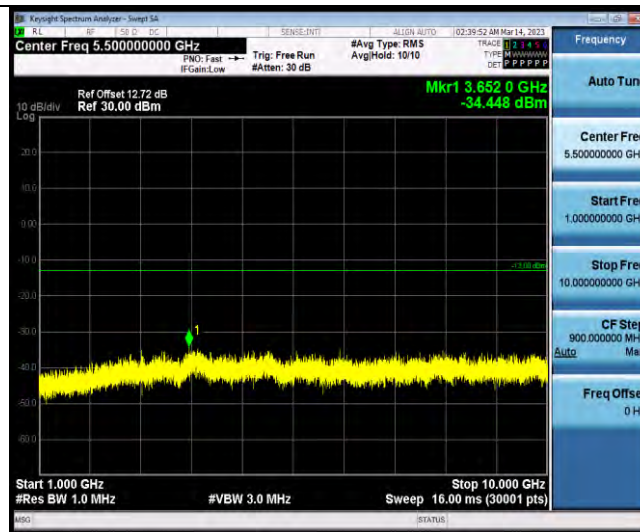


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz

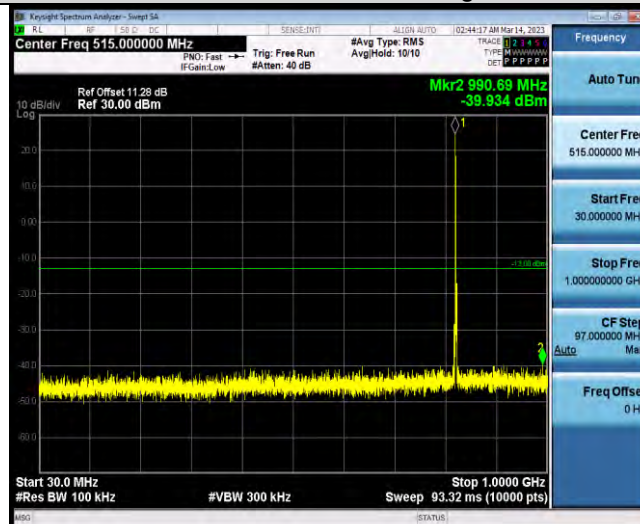


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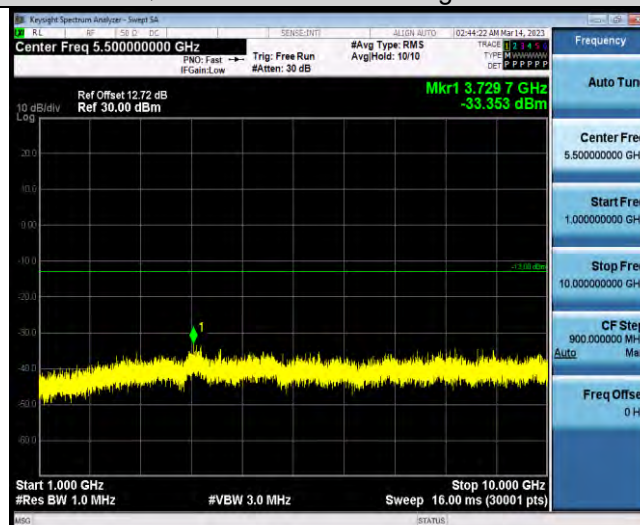
Test Report No.: W7L-P23030004RF04



Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz

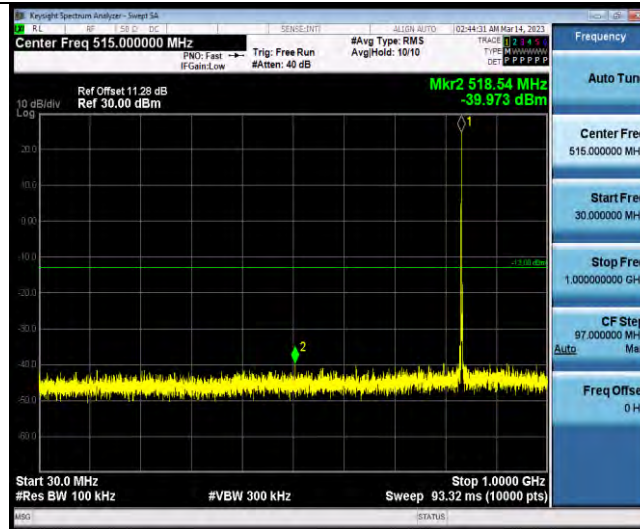


Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

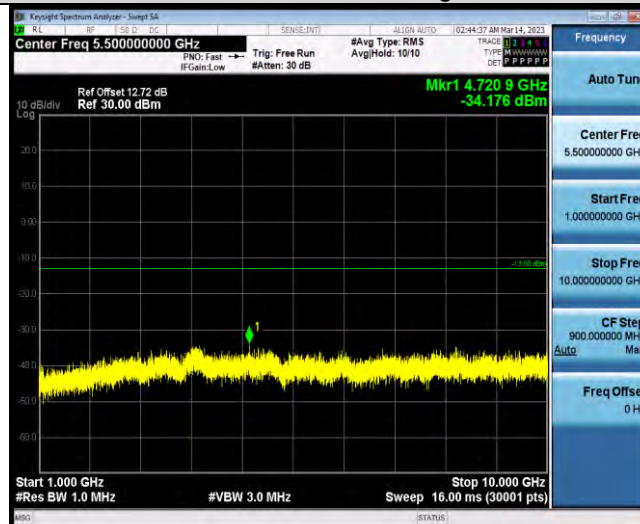


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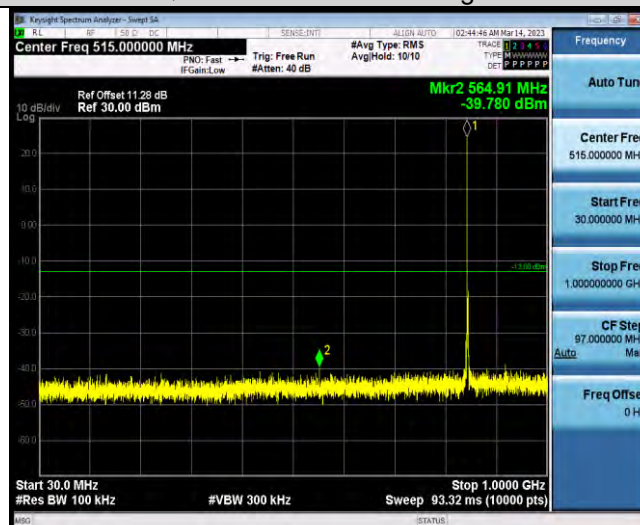
Test Report No.: W7L-P23030004RF04



Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

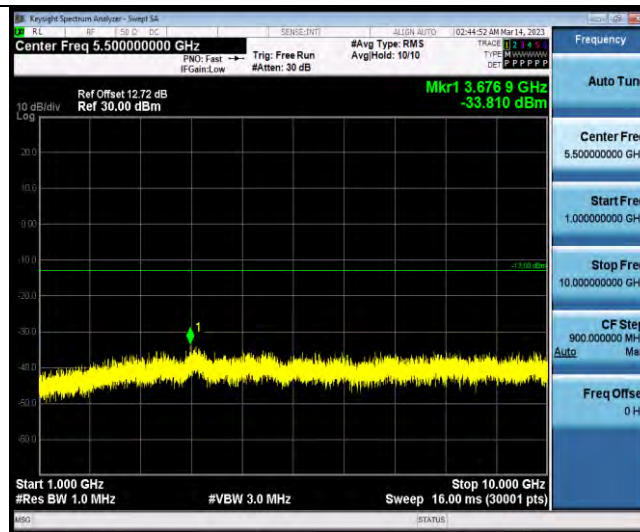


Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz

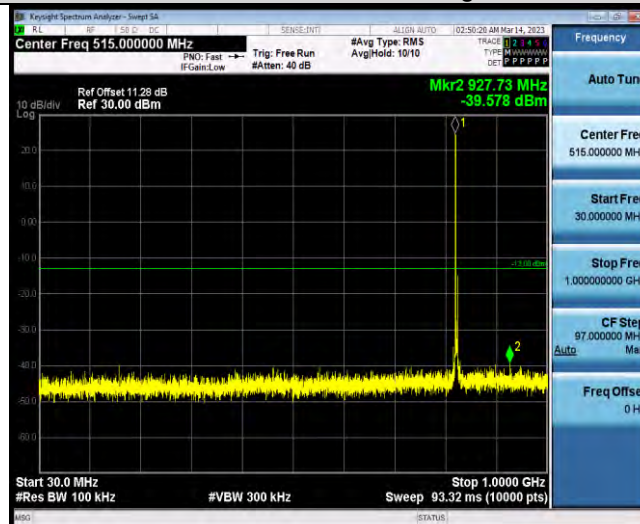


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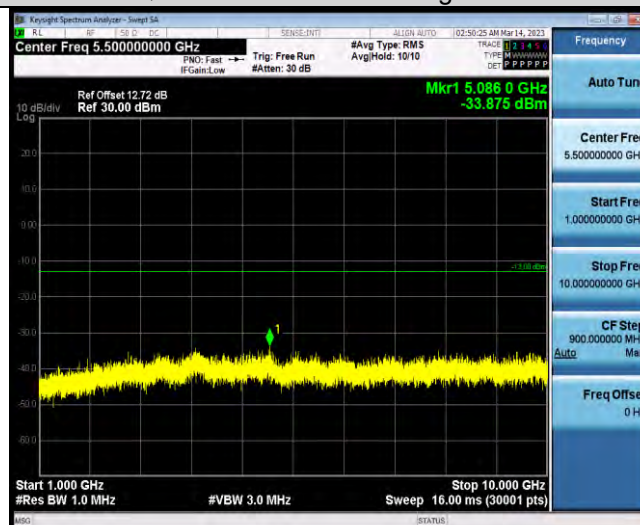
Test Report No.: W7L-P23030004RF04



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz

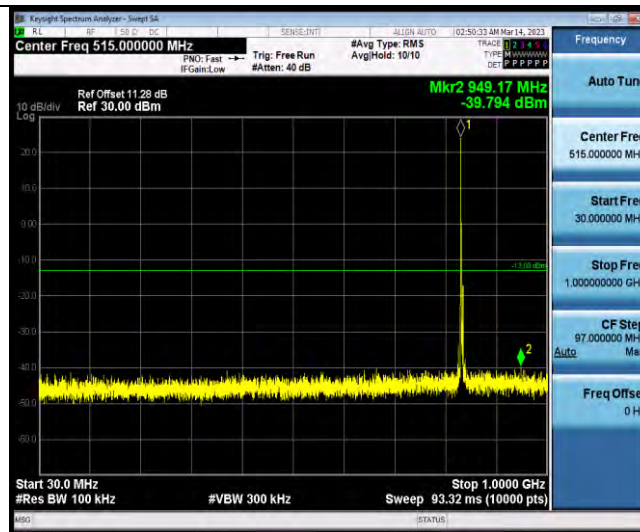


Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

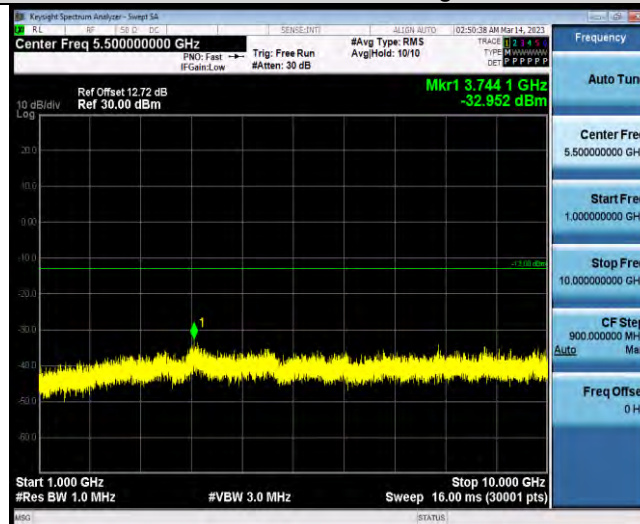


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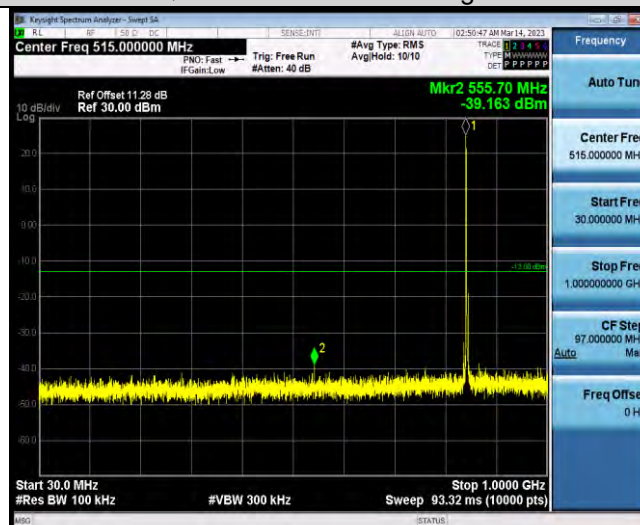
Test Report No.: W7L-P23030004RF04



Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz

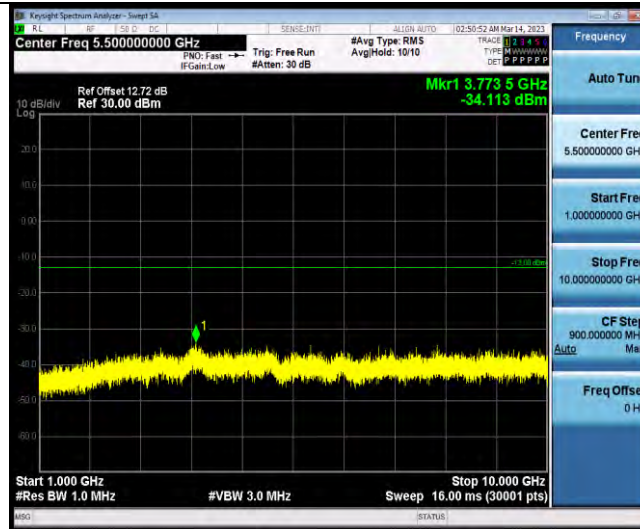


Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz

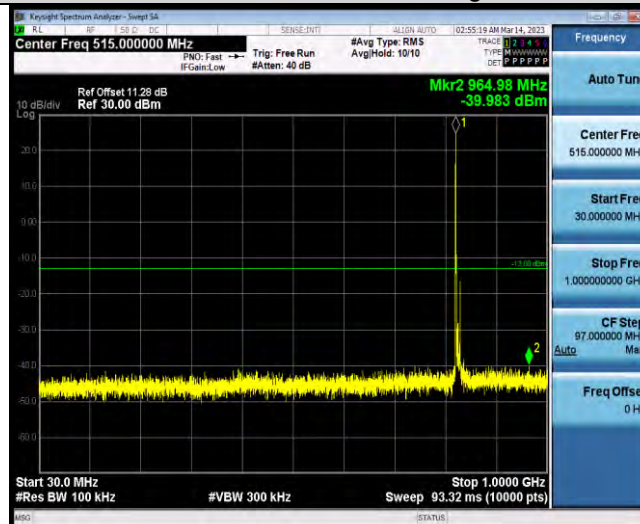


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VERITAS

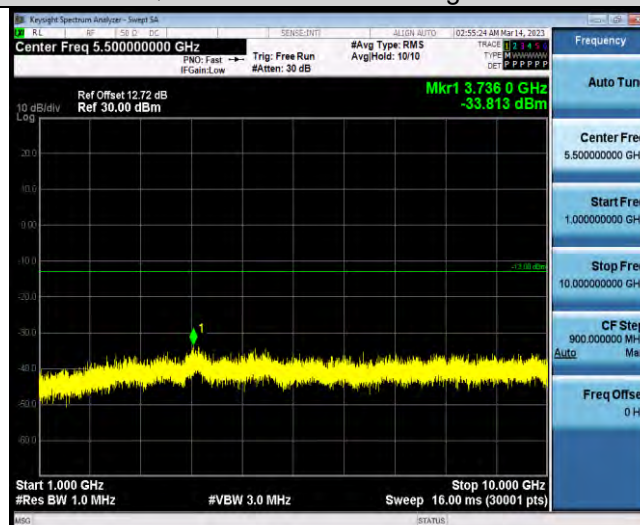
Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz

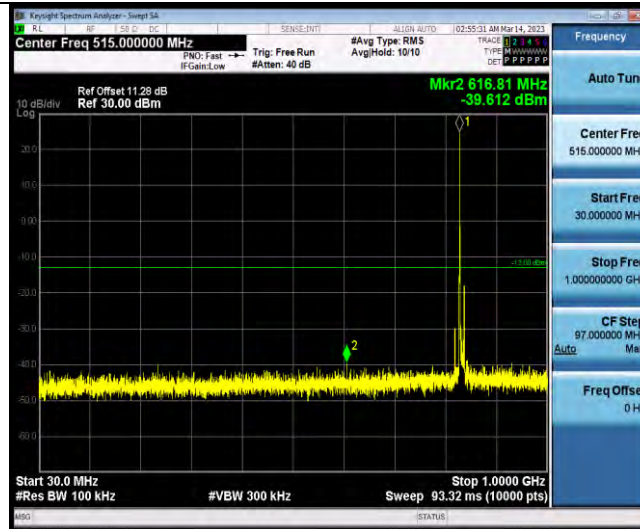


Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

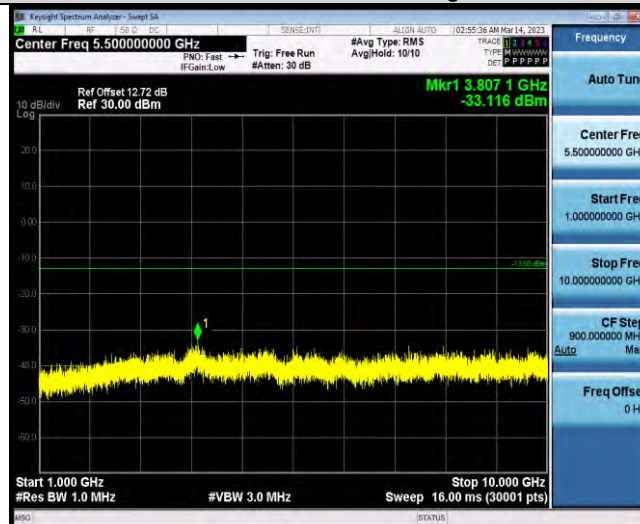


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VERITAS

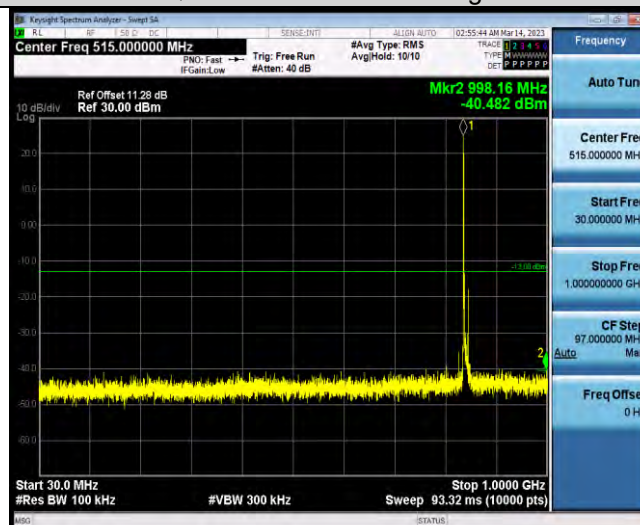
Test Report No.: W7L-P23030004RF04



Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz

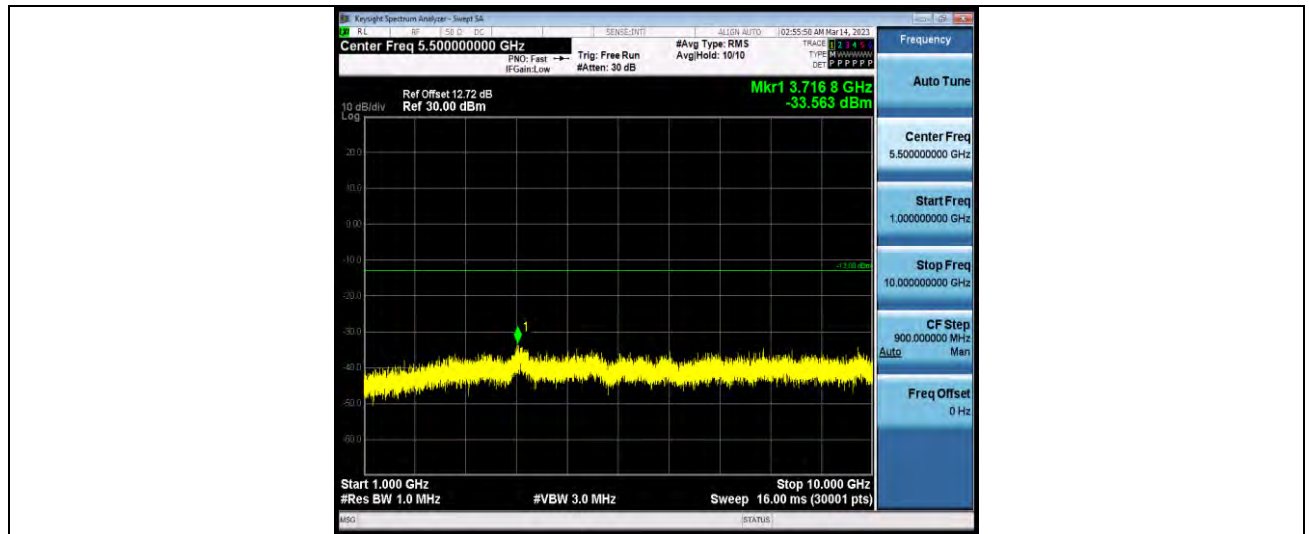


Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



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Test Report No.: W7L-P23030004RF04



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	LV	NT	-9.77	-0.011785	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	NT	-8.01	-0.009662	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	HV	NT	-7.60	-0.009168	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	LV	NT	-8.01	-0.009576	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	NT	-6.35	-0.007591	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	HV	NT	-10.74	-0.012839	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	LV	NT	-6.55	-0.007761	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	NT	-7.04	-0.008341	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	HV	NT	-3.13	-0.003709	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-8.33	-0.010048	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-8.57	-0.010338	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-10.94	-0.013197	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-7.57	-0.009131	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-5.09	-0.006140	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-5.62	-0.006779	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-6.27	-0.007563	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-6.31	-0.007612	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-6.74	-0.008130	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-10.97	-0.013114	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-7.24	-0.008655	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.05	-0.002451	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-8.93	-0.010675	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-6.65	-0.007950	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-10.11	-0.012086	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-11.01	-0.013162	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-10.39	-0.012421	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-6.94	-0.008296	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-6.27	-0.007429	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-5.91	-0.007002	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-5.45	-0.006457	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-11.42	-0.013531	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-9.11	-0.010794	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-9.57	-0.011339	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-10.39	-0.012310	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-9.61	-0.011386	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-11.00	-0.013033	±2.5	PASS



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Note: LV = Low voltage(3.5V); NV = Normal voltage(3.8V); HV = High voltage(4.2V);NT = Normal temperature (25°C).

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	824.505100	≥ 824	PASS
$f_H - \text{MAX}(\Delta f) $	848.49295	≤ 849	

Note : 1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = -11.42Hz.

---END---