

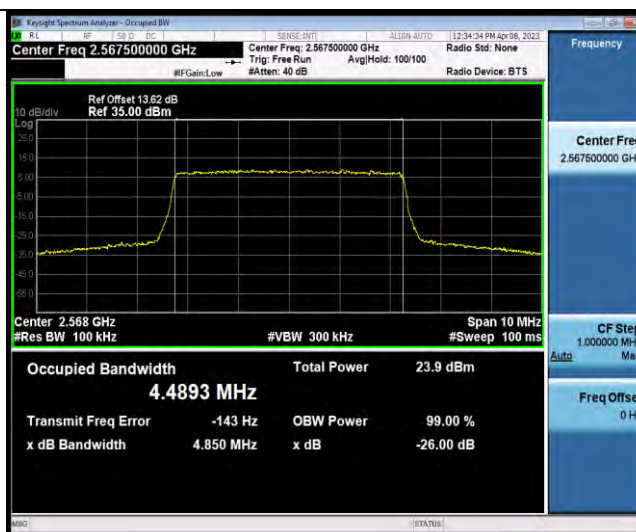
Test Graphs





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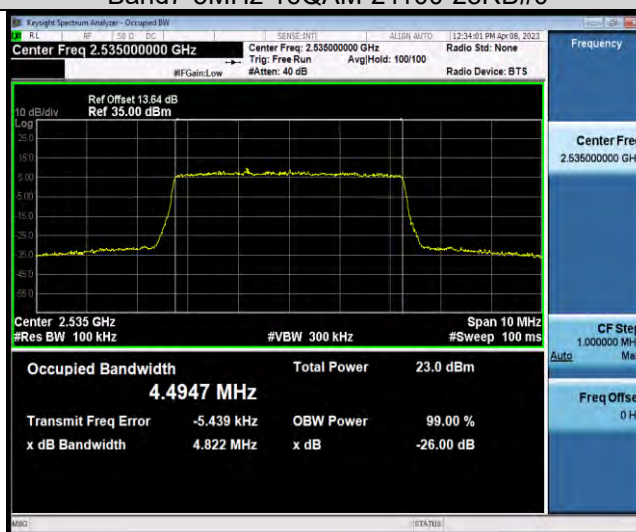
Test Report No.: W7L-P23030025RF06



Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0

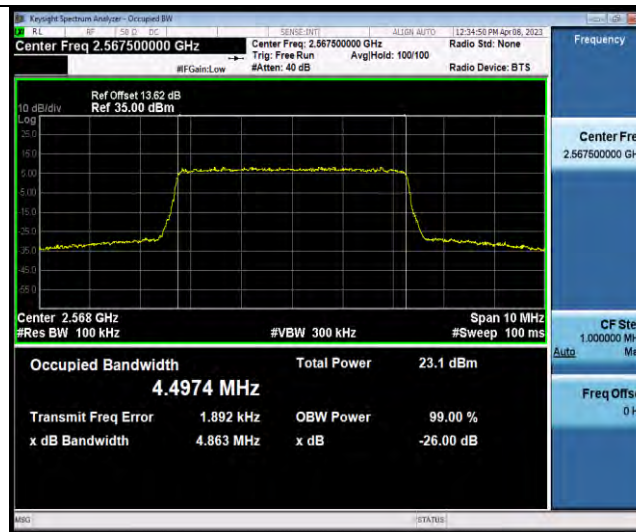


Band7-5MHz-16QAM-21425-25RB#0

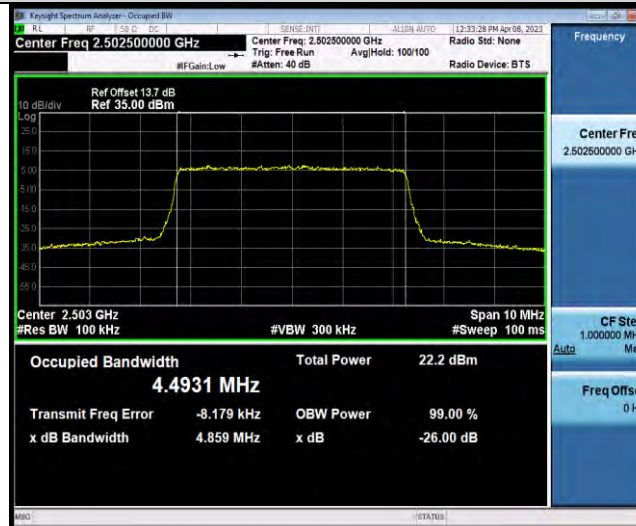


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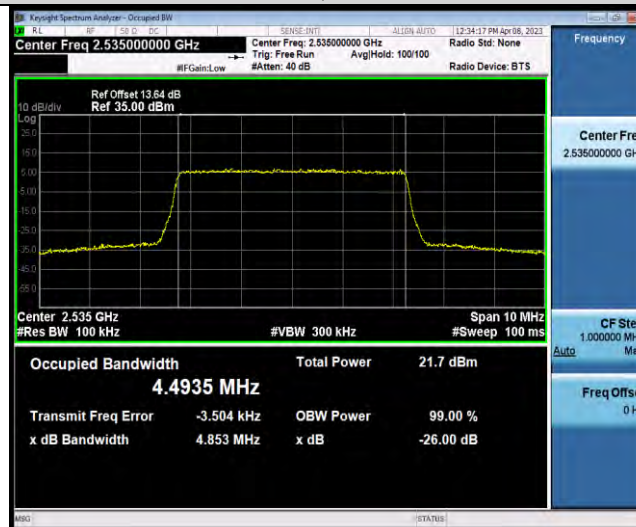
Test Report No.: W7L-P23030025RF06



Band7-5MHz-64QAM-20775-25RB#0



Band7-5MHz-64QAM-21100-25RB#0

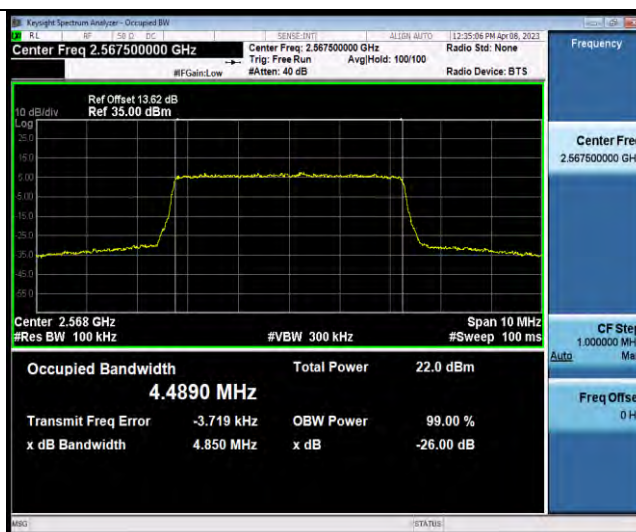


Band7-5MHz-64QAM-21425-25RB#0



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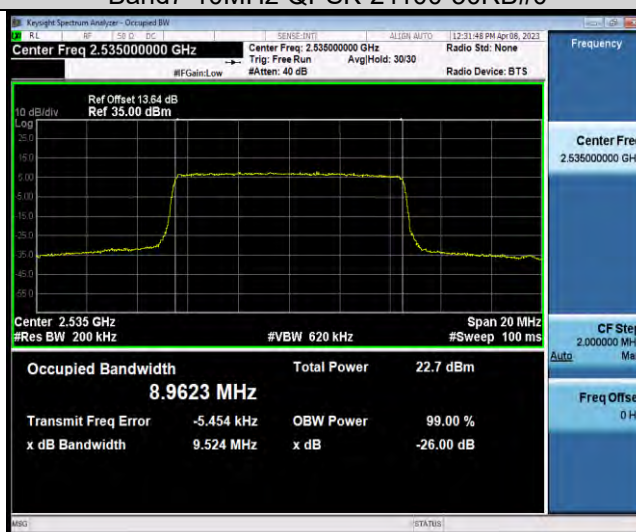
Test Report No.: W7L-P23030025RF06



Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-50RB#0



Band7-10MHz-16QAM-21100-50RB#0

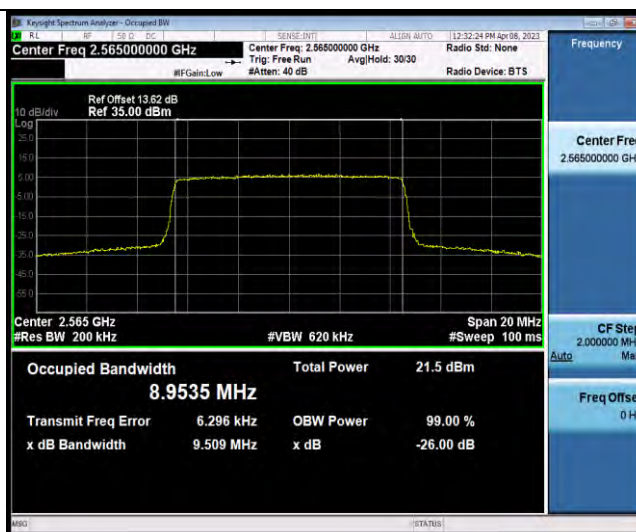


Band7-10MHz-16QAM-21400-50RB#0



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Test Report No.: W7L-P23030025RF06



Band7-10MHz-64QAM-20800-50RB#0



Band7-10MHz-64QAM-21100-50RB#0



Band7-10MHz-64QAM-21400-50RB#0

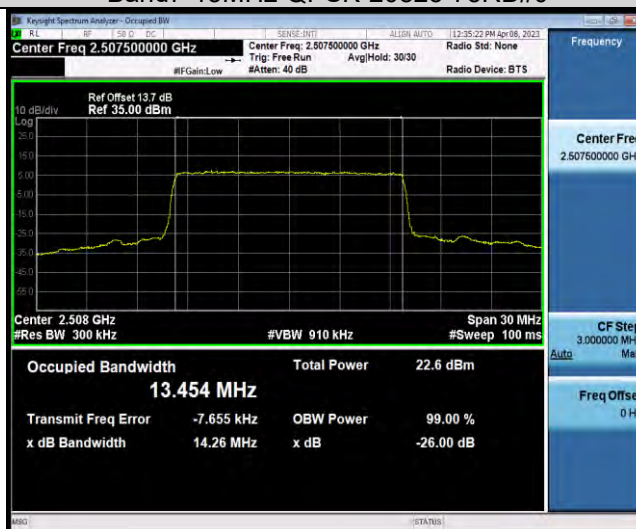


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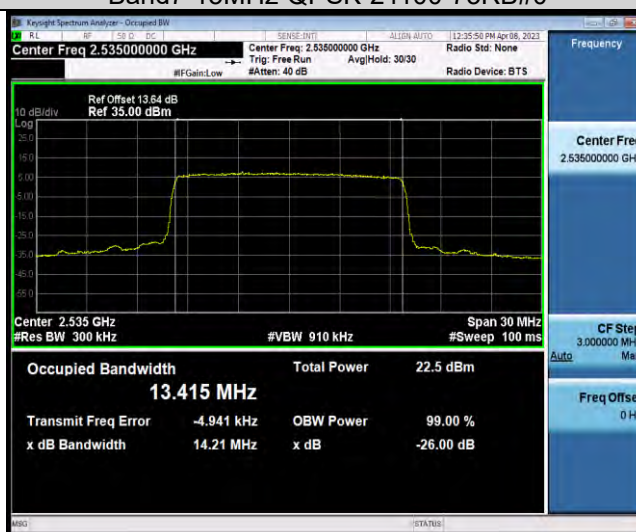
Test Report No.: W7L-P23030025RF06



Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21100-75RB#0

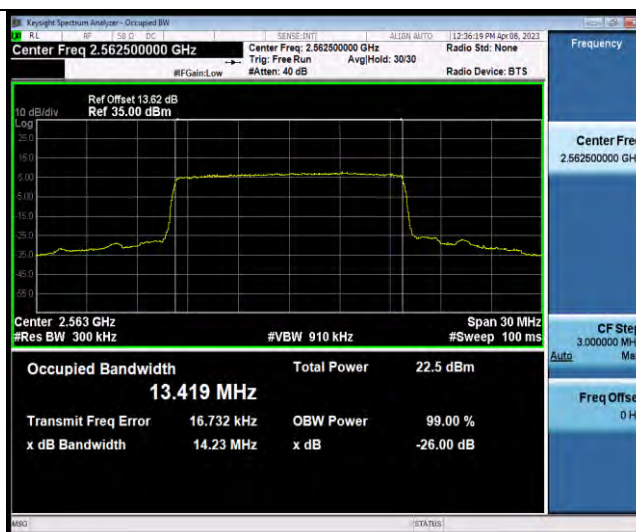


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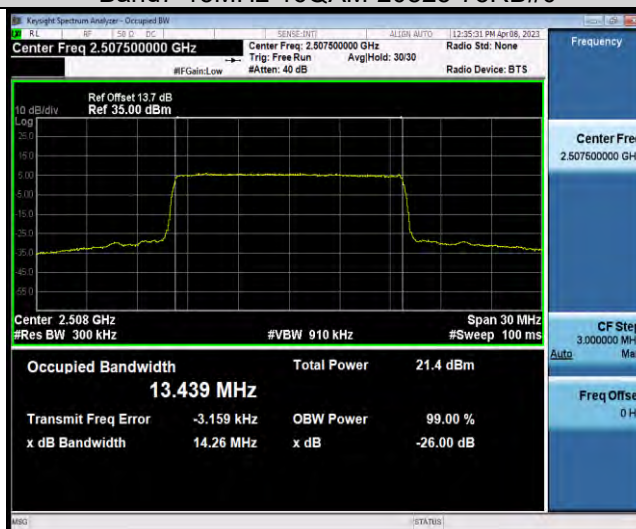


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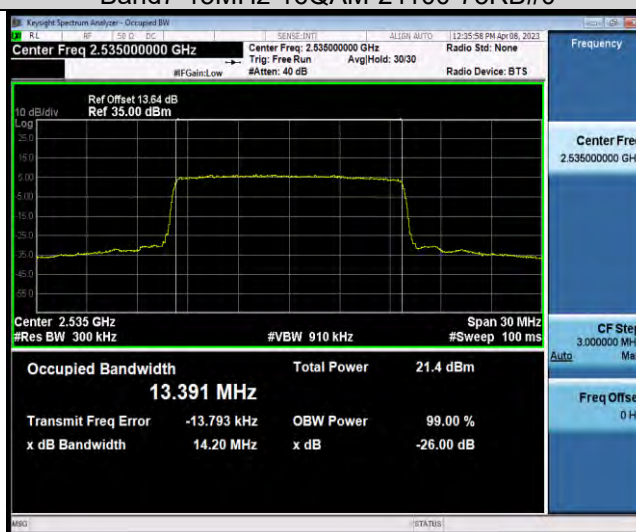
Test Report No.: W7L-P23030025RF06



Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21100-75RB#0



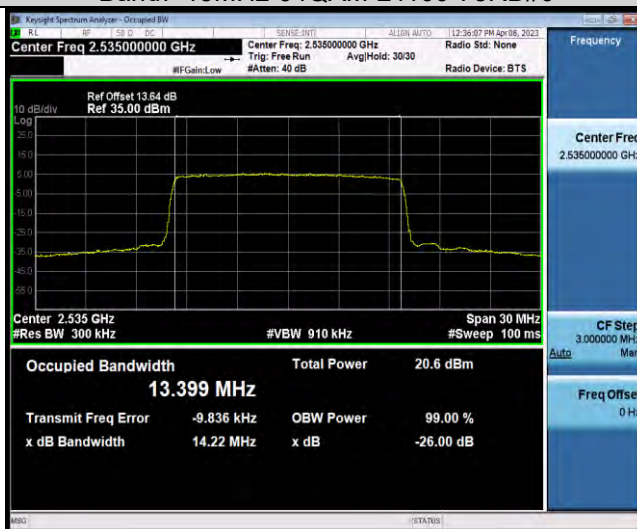
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Band7-15MHz-64QAM-20825-75RB#0



Band7-15MHz-64QAM-21100-75RB#0

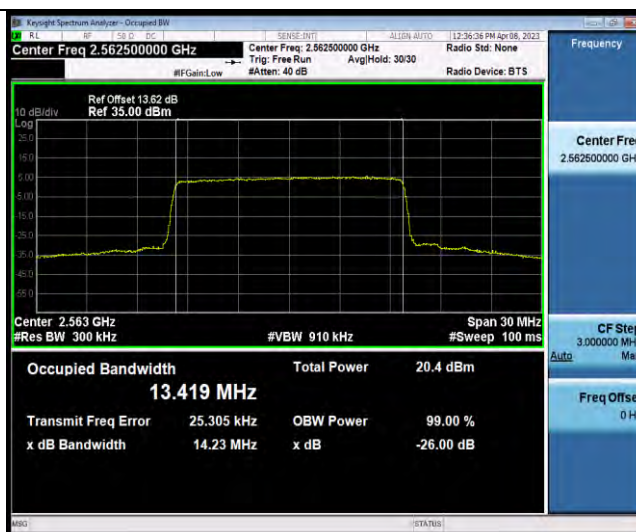


Band7-15MHz-64QAM-21375-75RB#0



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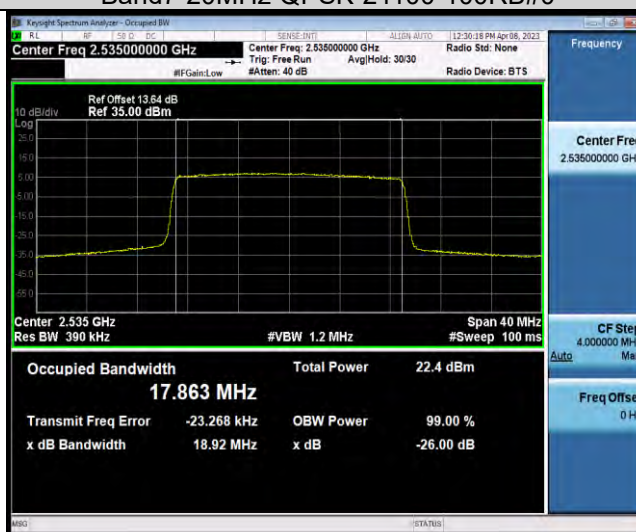
Test Report No.: W7L-P23030025RF06



Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



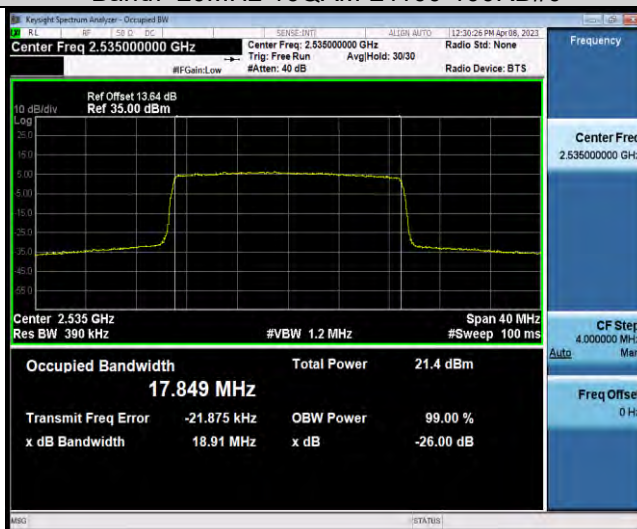
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Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0



Band7-20MHz-64QAM-20850-100RB#0



Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-100RB#0



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Test Report No.: W7L-P23030025RF06



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-43.29,-40.86,-37.32,-31.55	PASS
Band7	5MHz	QPSK	20775	25RB#0	-37.94,-32.91,-26.04,-30.57	PASS
Band7	5MHz	QPSK	21425	1RB#24	-32.36,-38.87,-47.33,-44.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	-29.66,-25.78,-37.37,-39.12	PASS
Band7	5MHz	16QAM	20775	1RB#0	-45.17,-41.93,-39.17,-32.83	PASS
Band7	5MHz	16QAM	20775	25RB#0	-37.96,-33.55,-26.24,-31.73	PASS
Band7	5MHz	16QAM	21425	1RB#24	-34.29,-40.38,-47.78,-46.24	PASS
Band7	5MHz	16QAM	21425	25RB#0	-31.68,-26.47,-36.51,-39.03	PASS
Band7	5MHz	64QAM	20775	1RB#0	-45.62,-42.86,-39.80,-34.23	PASS
Band7	5MHz	64QAM	20775	25RB#0	-38.85,-34.70,-27.13,-32.59	PASS
Band7	5MHz	64QAM	21425	1RB#24	-35.17,-41.56,-48.05,-47.31	PASS
Band7	5MHz	64QAM	21425	25RB#0	-32.39,-27.41,-37.16,-39.51	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.51,-41.01,-37.02,-44.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.03,-30.01,-26.13,-28.64	PASS
Band7	10MHz	QPSK	21400	1RB#49	-44.02,-40.80,-41.03,-48.23	PASS
Band7	10MHz	QPSK	21400	50RB#0	-28.45,-26.77,-33.20,-40.98	PASS
Band7	10MHz	16QAM	20800	1RB#0	-47.73,-41.95,-38.19,-41.75	PASS
Band7	10MHz	16QAM	20800	50RB#0	-39.43,-30.53,-27.36,-30.50	PASS
Band7	10MHz	16QAM	21400	1RB#49	-45.89,-41.67,-42.02,-48.44	PASS
Band7	10MHz	16QAM	21400	50RB#0	-30.15,-27.46,-33.01,-39.89	PASS
Band7	10MHz	64QAM	20800	1RB#0	-48.20,-42.81,-39.65,-45.69	PASS
Band7	10MHz	64QAM	20800	50RB#0	-40.23,-31.37,-28.29,-31.35	PASS
Band7	10MHz	64QAM	21400	1RB#49	-46.19,-41.97,-43.63,-48.59	PASS
Band7	10MHz	64QAM	21400	50RB#0	-31.71,-28.92,-33.72,-40.57	PASS
Band7	15MHz	QPSK	20825	1RB#0	-43.52,-41.28,-39.97,-40.42	PASS
Band7	15MHz	QPSK	20825	75RB#0	-36.92,-30.41,-26.21,-30.29	PASS
Band7	15MHz	QPSK	21375	1RB#74	-42.61,-40.99,-41.99,-49.38	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.65,-25.23,-30.90,-40.46	PASS
Band7	15MHz	16QAM	20825	1RB#0	-44.33,-42.00,-40.73,-43.90	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.95,-31.00,-27.51,-31.87	PASS
Band7	15MHz	16QAM	21375	1RB#74	-44.85,-41.67,-42.98,-49.41	PASS
Band7	15MHz	16QAM	21375	75RB#0	-30.72,-27.03,-31.72,-40.63	PASS
Band7	15MHz	64QAM	20825	1RB#0	-44.84,-44.52,-41.67,-41.98	PASS
Band7	15MHz	64QAM	20825	75RB#0	-38.07,-31.84,-28.40,-33.04	PASS
Band7	15MHz	64QAM	21375	1RB#74	-43.90,-42.19,-44.10,-49.45	PASS
Band7	15MHz	64QAM	21375	75RB#0	-32.53,-28.24,-33.10,-41.15	PASS
Band7	20MHz	QPSK	20850	1RB#0	-45.95,-41.38,-40.31,-47.78	PASS
Band7	20MHz	QPSK	20850	100RB#0	-38.19,-31.90,-29.53,-30.79	PASS
Band7	20MHz	QPSK	21350	1RB#99	-48.39,-41.05,-43.21,-49.21	PASS
Band7	20MHz	QPSK	21350	100RB#0	-28.71,-27.48,-31.02,-43.73	PASS
Band7	20MHz	16QAM	20850	1RB#0	-46.54,-42.52,-41.04,-47.72	PASS
Band7	20MHz	16QAM	20850	100RB#0	-37.48,-32.24,-30.56,-32.26	PASS
Band7	20MHz	16QAM	21350	1RB#99	-49.11,-41.79,-44.11,-49.22	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.98,-29.21,-32.49,-42.39	PASS

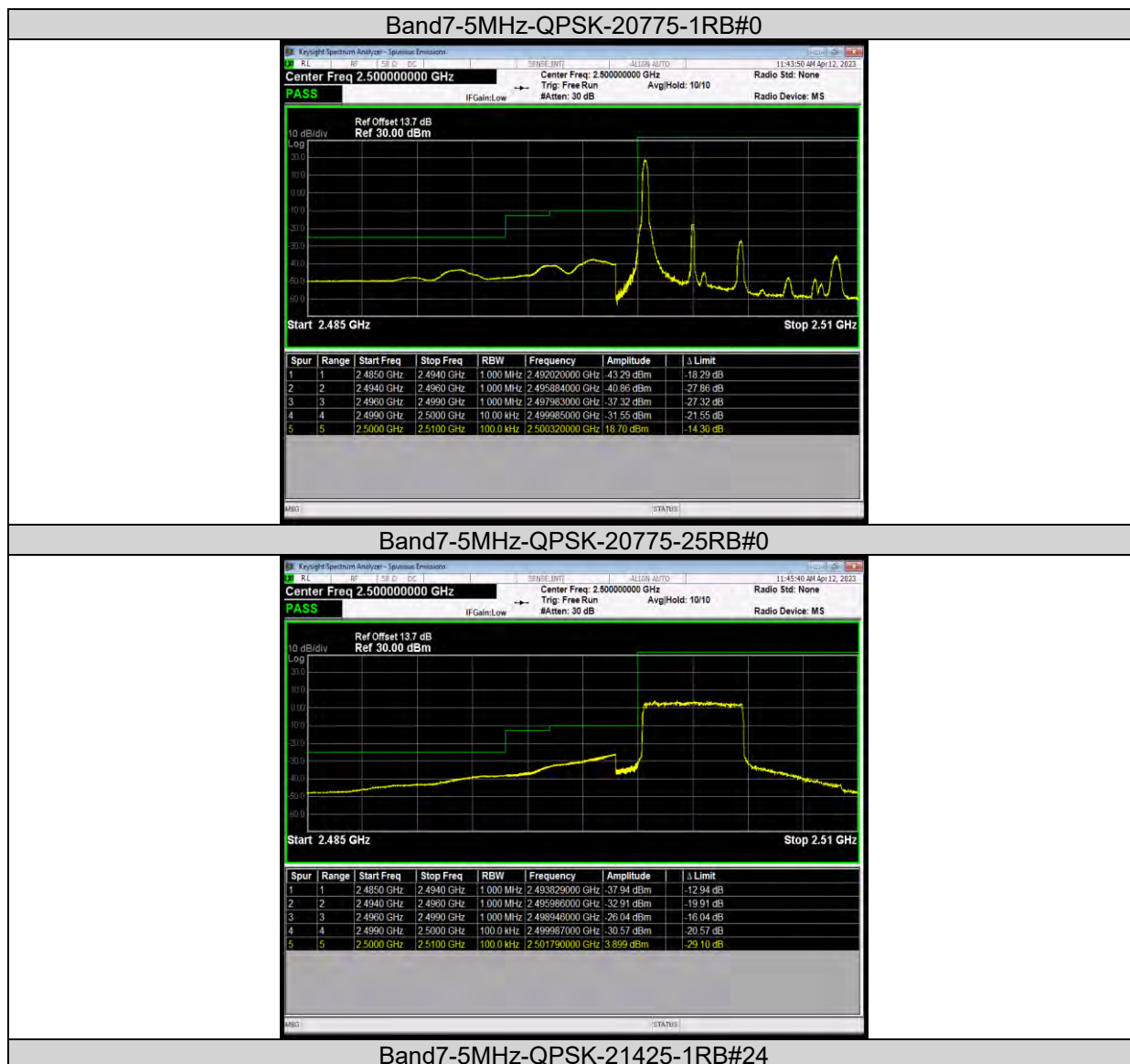


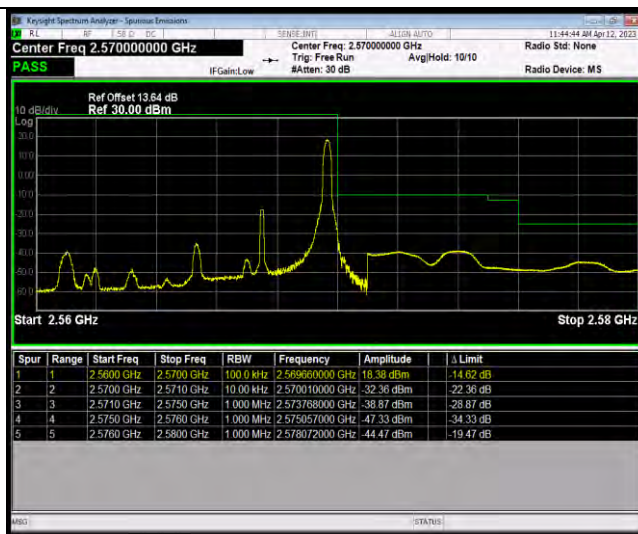
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Test Report No.: W7L-P23030025RF06

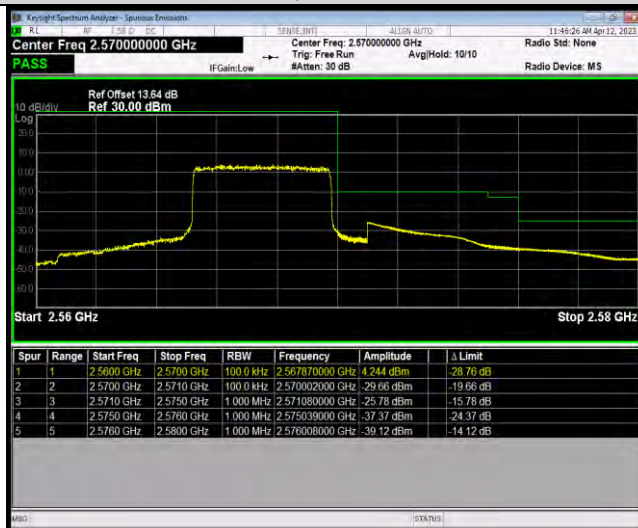
Band7	20MHz	64QAM	20850	1RB#0	-46.83,-43.30,-41.33,-46.91	PASS
Band7	20MHz	64QAM	20850	100RB#0	-37.97,-32.82,-31.40,-33.23	PASS
Band7	20MHz	64QAM	21350	1RB#99	-48.79,-41.99,-44.38,-49.19	PASS
Band7	20MHz	64QAM	21350	100RB#0	-32.29,-30.43,-33.30,-42.67	PASS

Test Graphs





Band7-5MHz-QPSK-21425-25RB#0



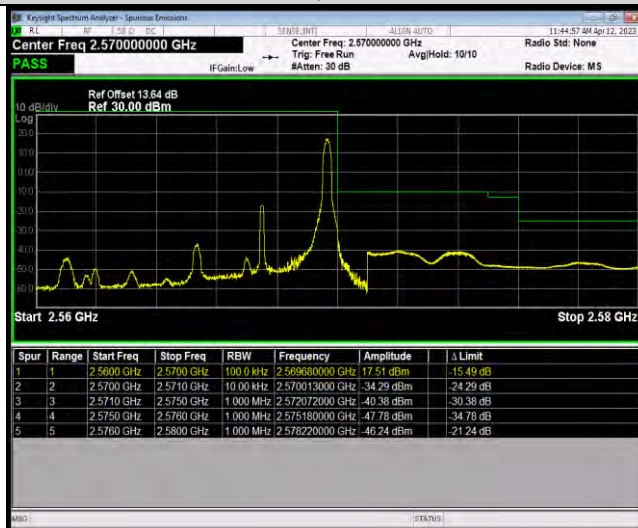
Band7-5MHz-16QAM-20775-1RB#0



Band7-5MHz-16QAM-20775-25RB#0



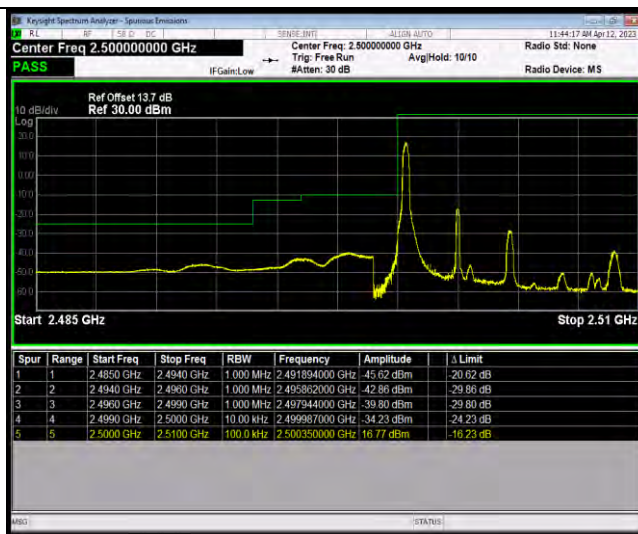
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Band7-5MHz-16QAM-21425-25RB#0



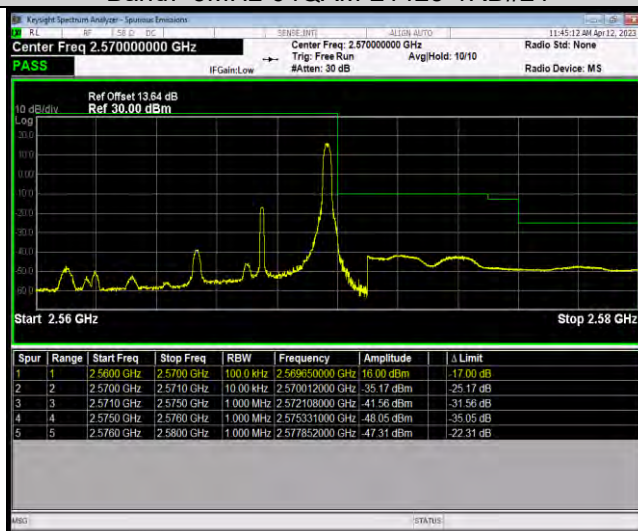
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Band7-5MHz-64QAM-20775-25RB#0



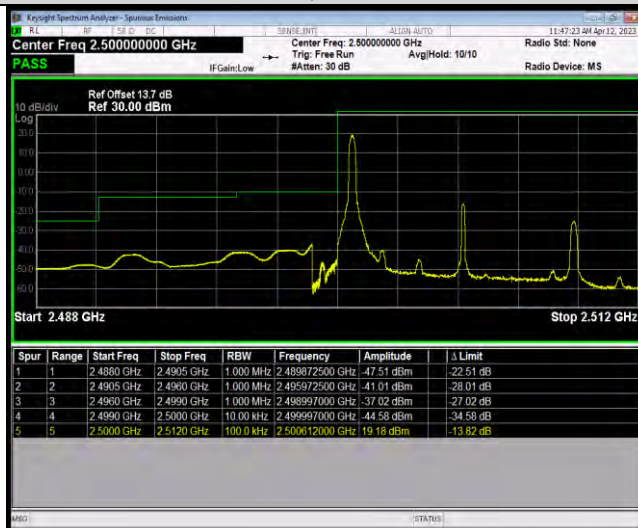
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Band7-5MHz-64QAM-21425-25RB#0



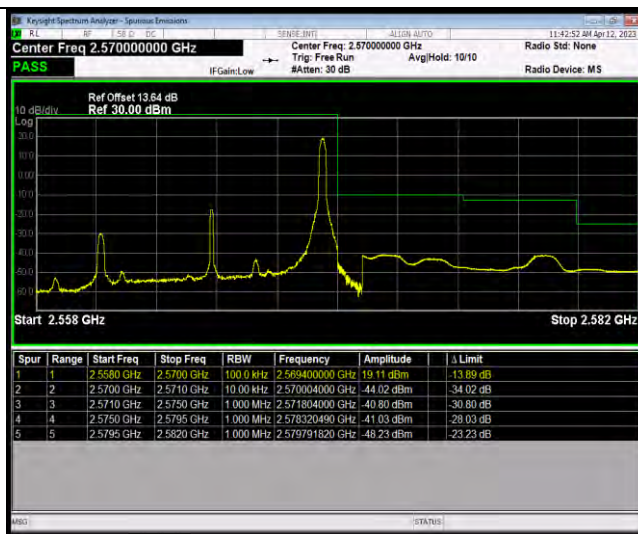
Band7-10MHz-QPSK-20800-1RB#0



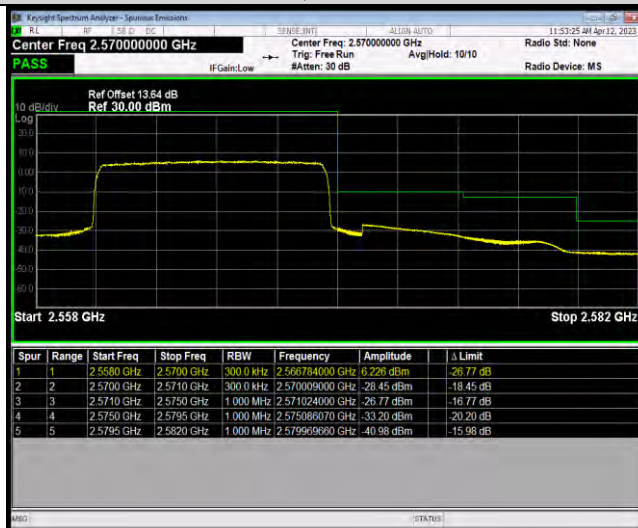
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Band7-10MHz-QPSK-21400-1RB#49



Band7-10MHz-QPSK-21400-50RB#0



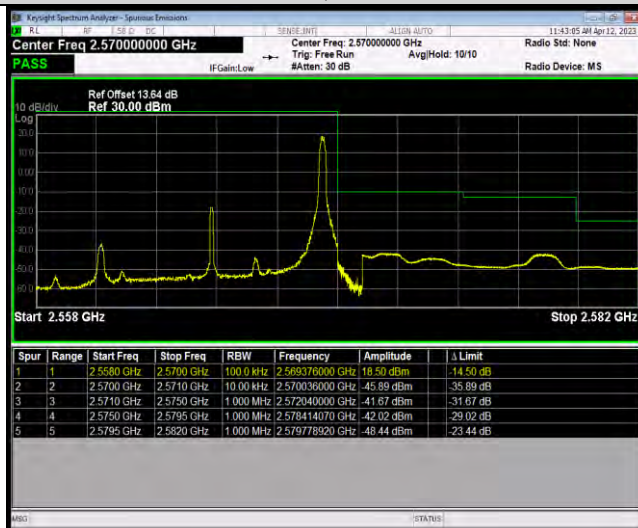
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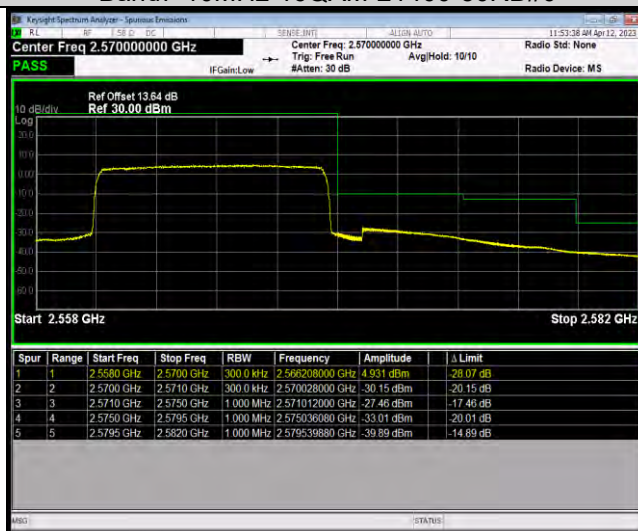
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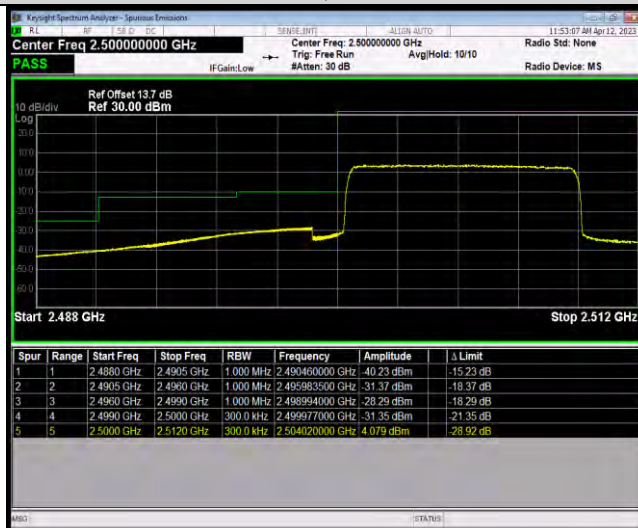
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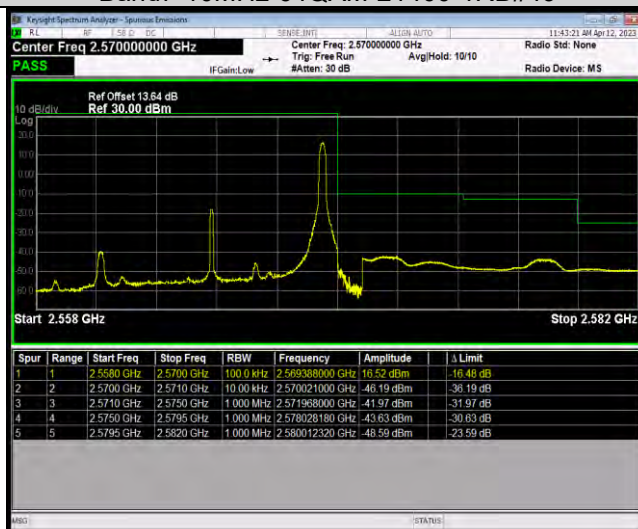
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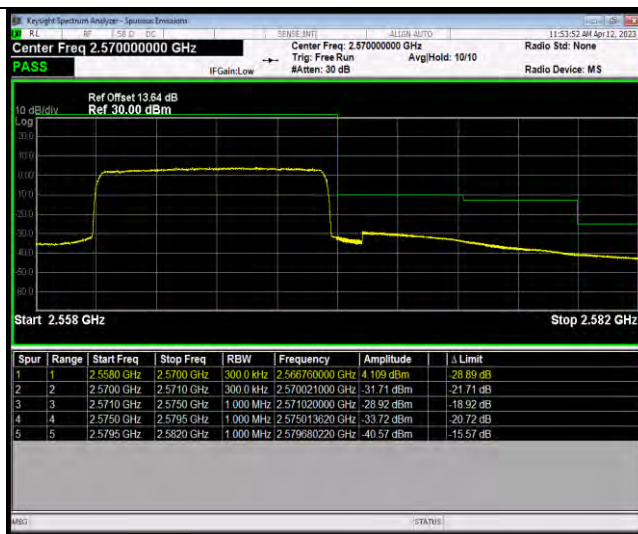
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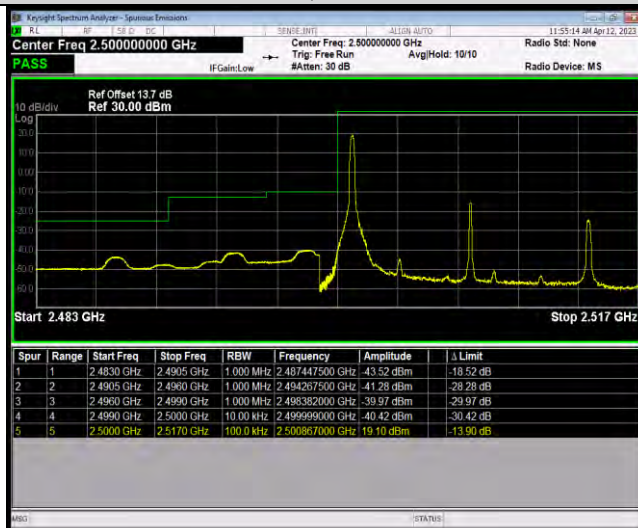
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Band7-10MHz-64QAM-21400-50RB#0



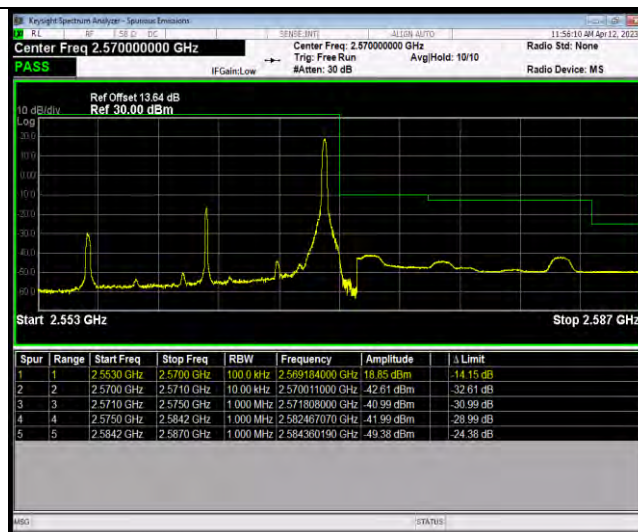
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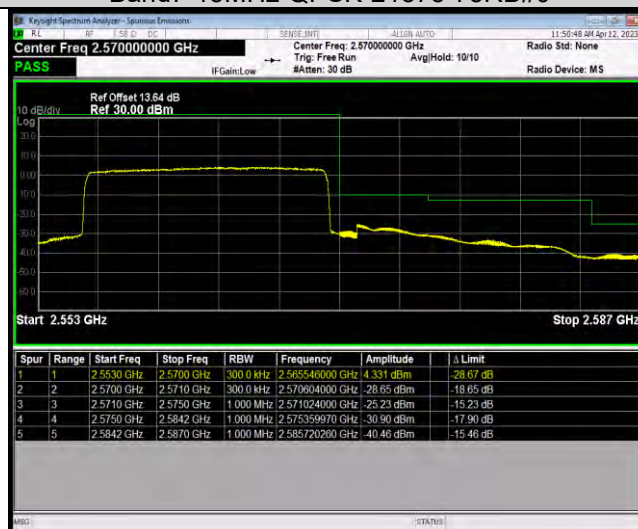
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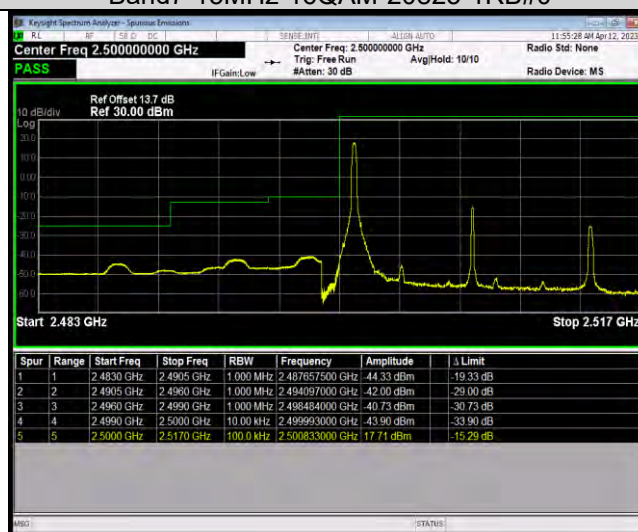
Band7-15MHz-QPSK-21375-1RB#74



Band7-15MHz-QPSK-21375-75RB#0



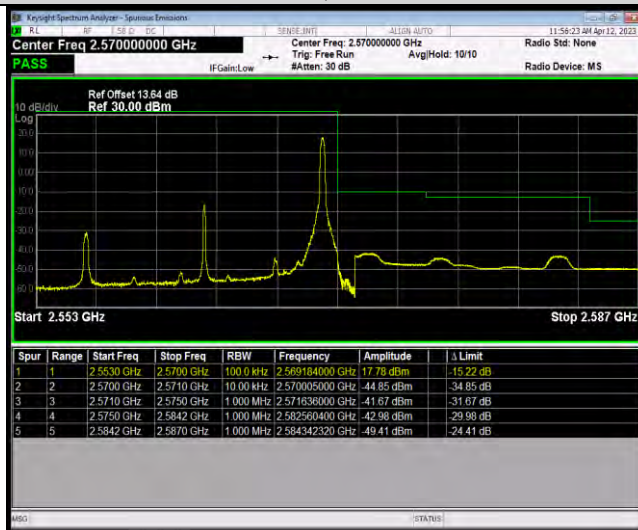
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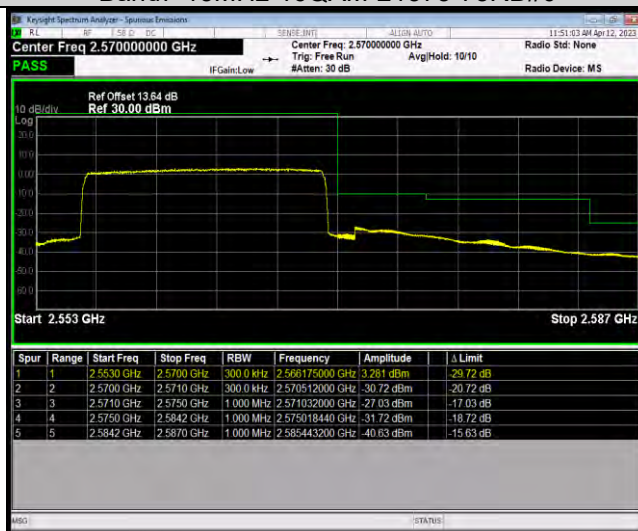
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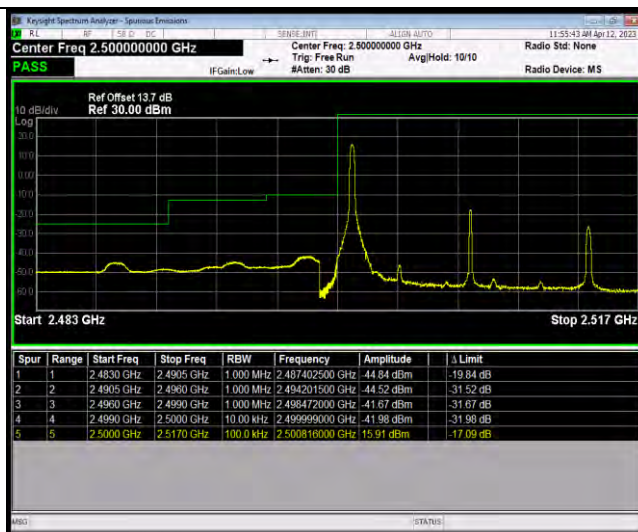
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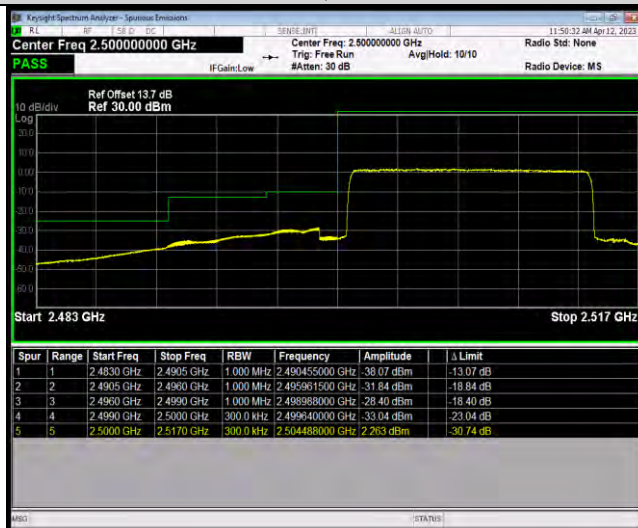
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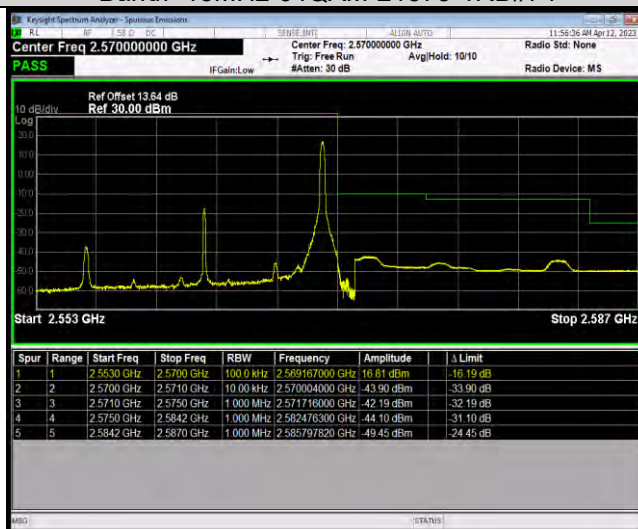
Band7-15MHz-64QAM-20825-1RB#0



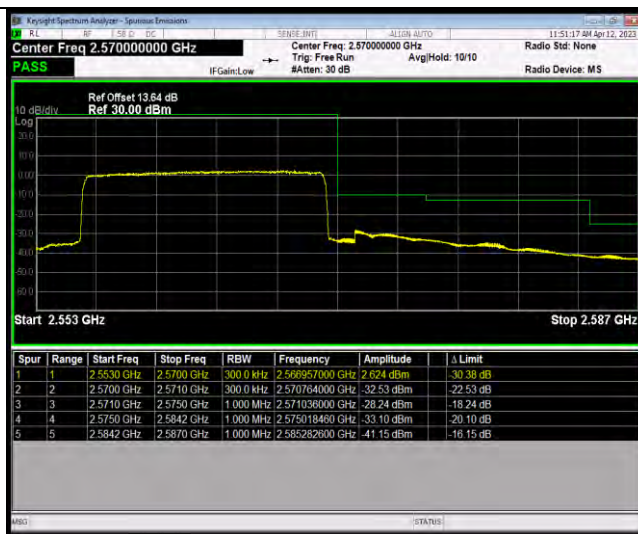
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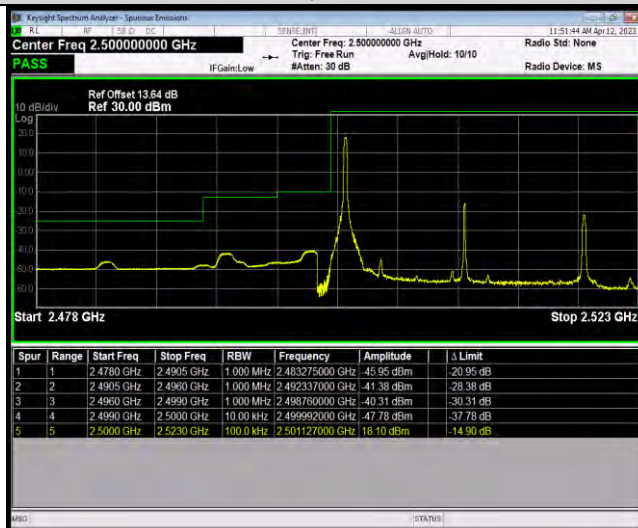
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Band7-15MHz-64QAM-21375-75RB#0



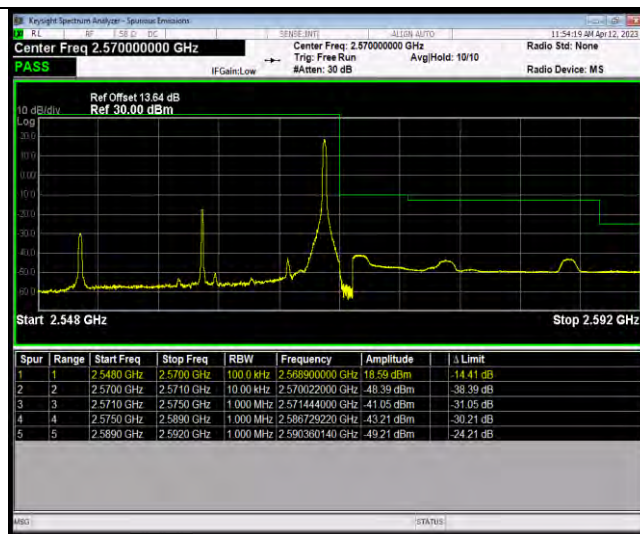
Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



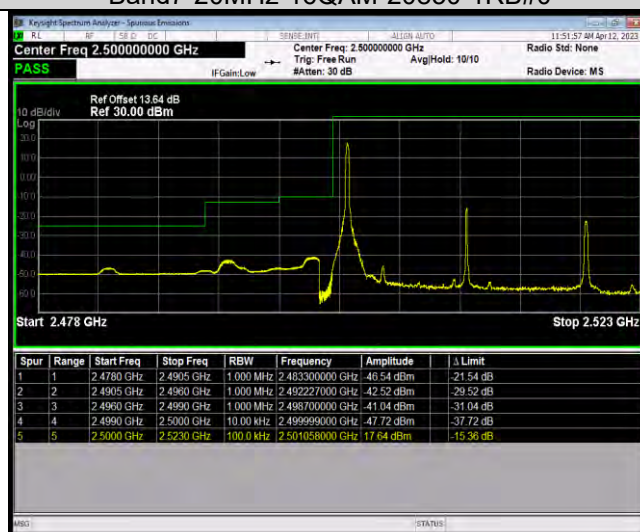
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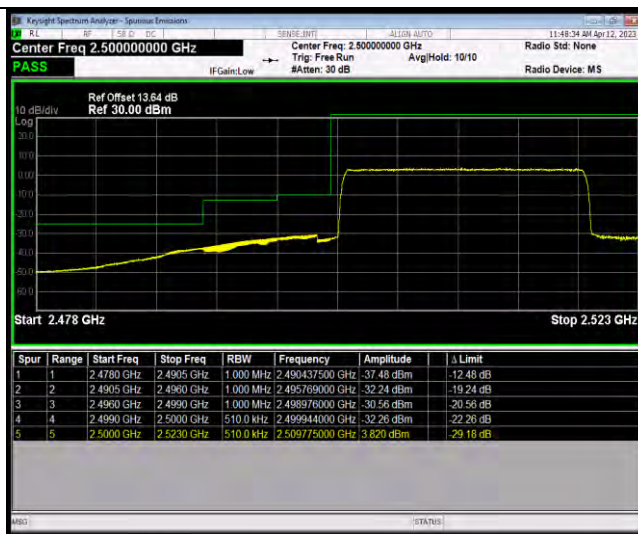
Band7-20MHz-QPSK-21350-100RB#0



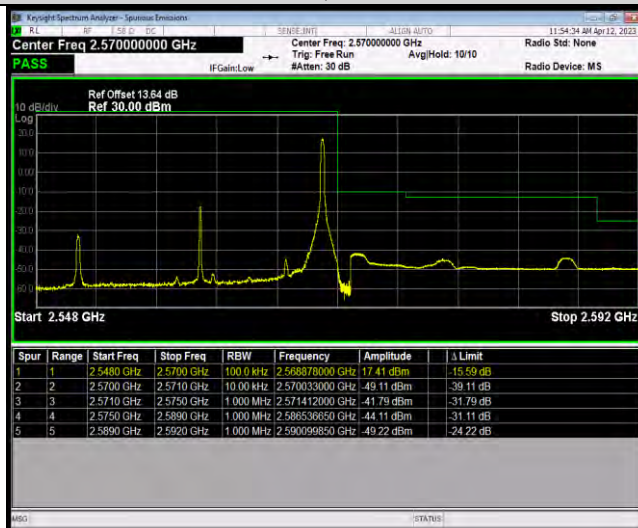
Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21350-1RB#99



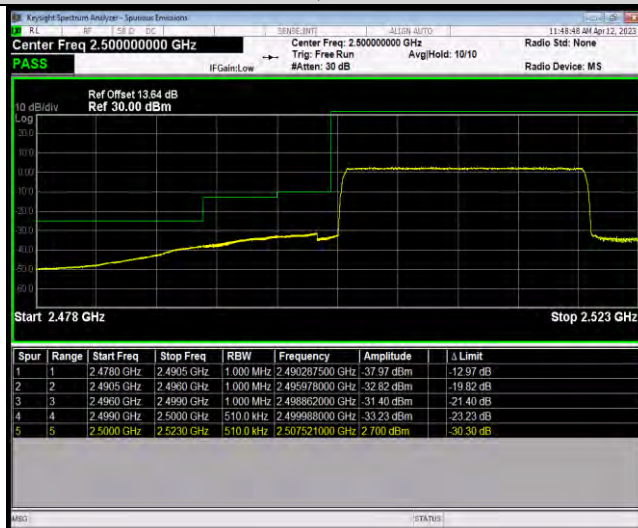
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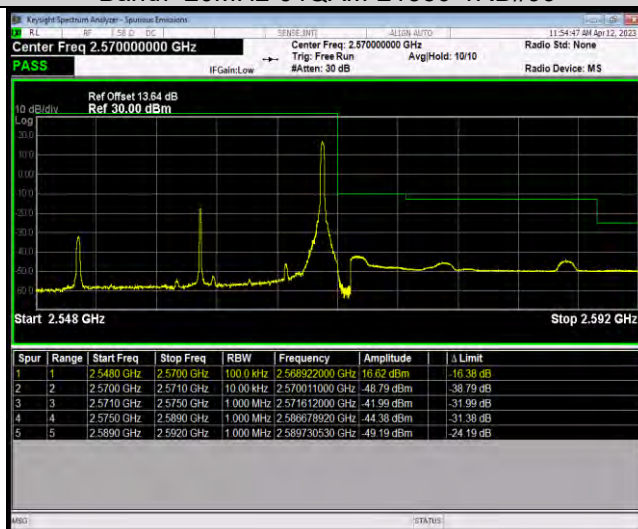
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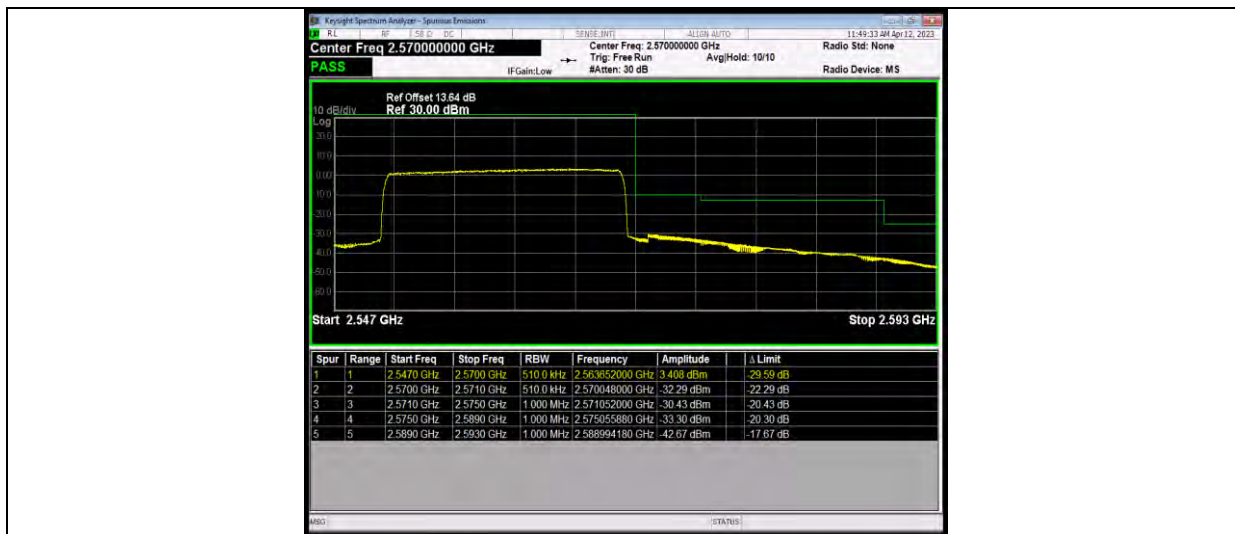
Band7-20MHz-64QAM-20850-100RB#0



Band7-20MHz-64QAM-21350-1RB#99



Band7-20MHz-64QAM-21350-100RB#0

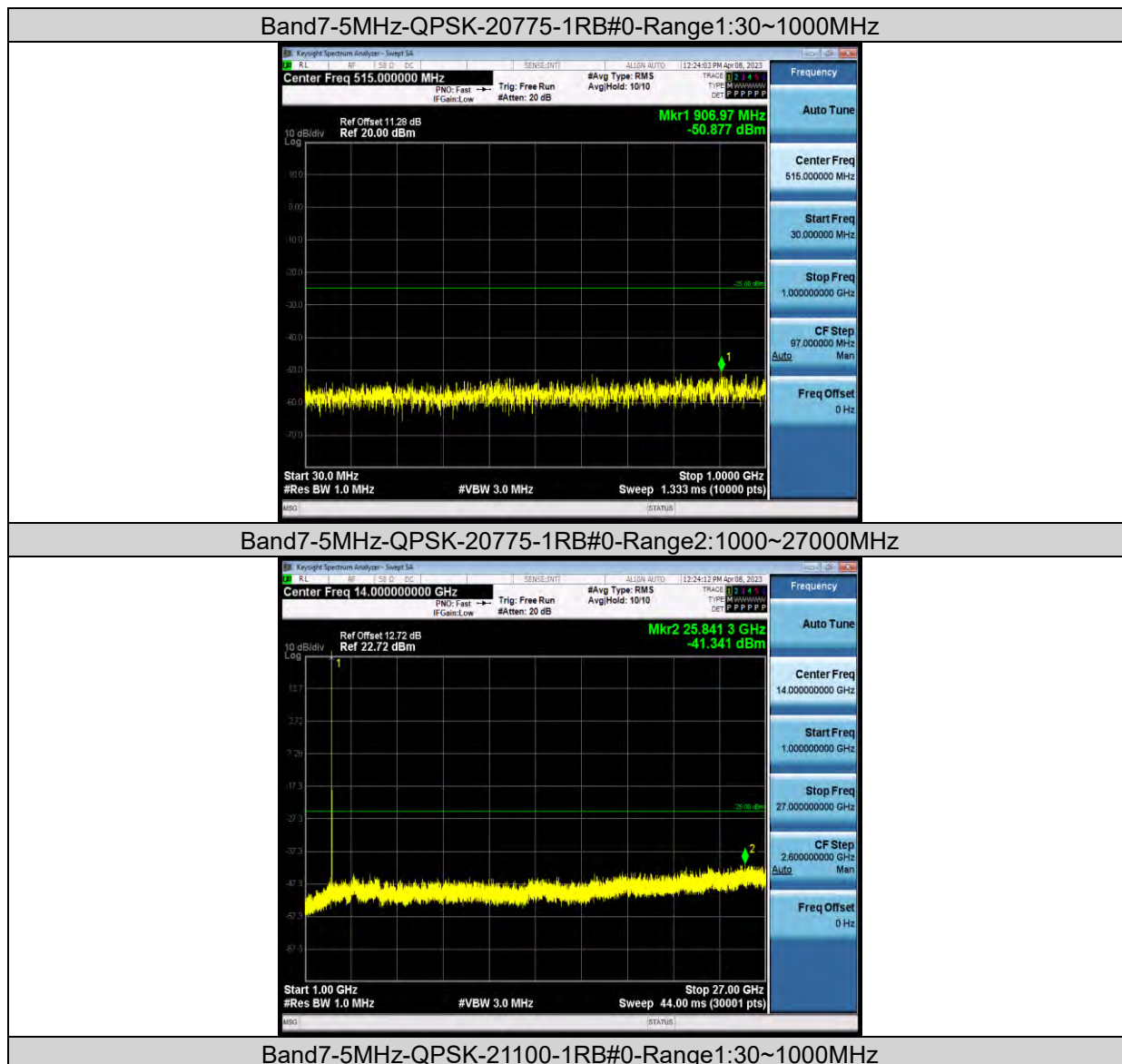


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-50.88	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-41.34	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-51.04	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-40.8	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-50.9	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-41.2	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-50.74	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~27000MHz	-40.79	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.69	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-40.87	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-50.14	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~27000MHz	-41.09	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-50.48	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~27000MHz	-41.25	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-50.9	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-40.09	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-50.85	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~27000MHz	-40.68	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-50.36	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-40.57	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-50.41	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-40.22	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-50.78	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-40.6	PASS

Test Graphs





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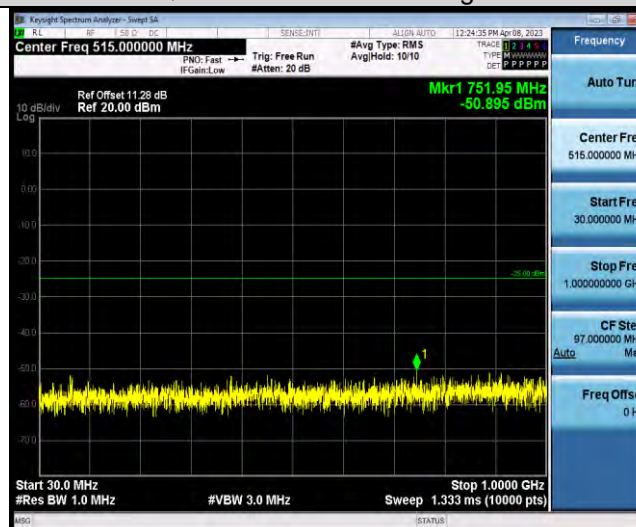
Test Report No.: W7L-P23030025RF06



Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~27000MHz

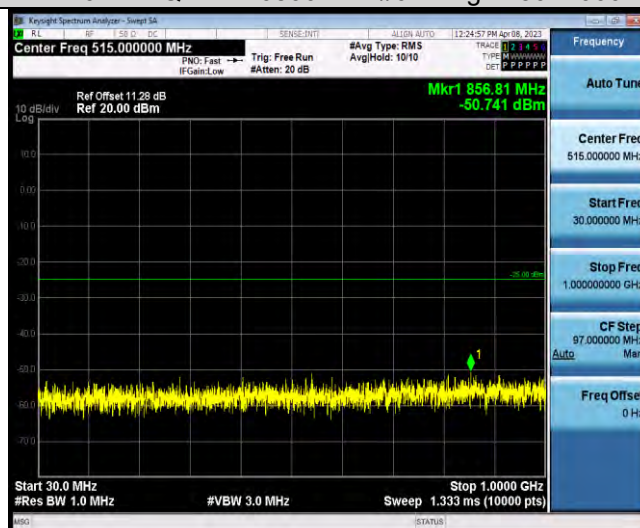


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VERITAS

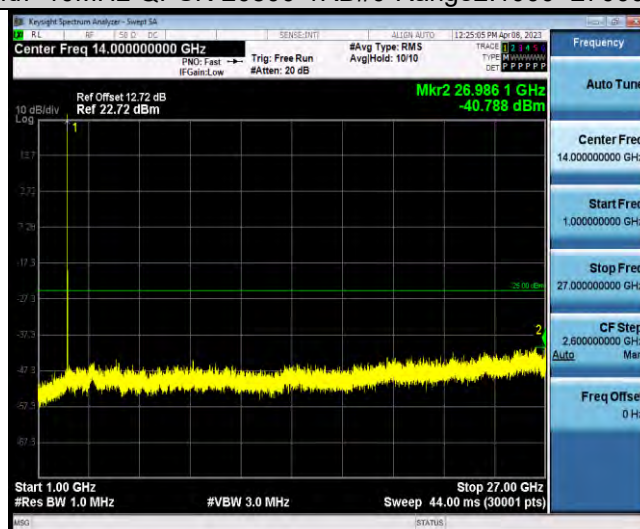
Test Report No.: W7L-P23030025RF06



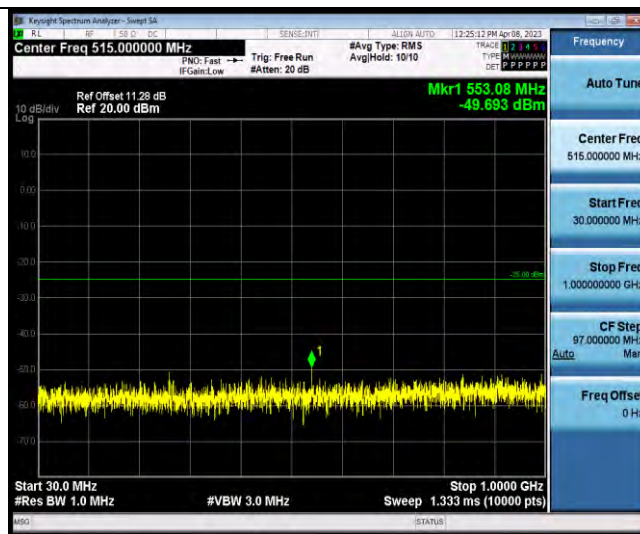
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



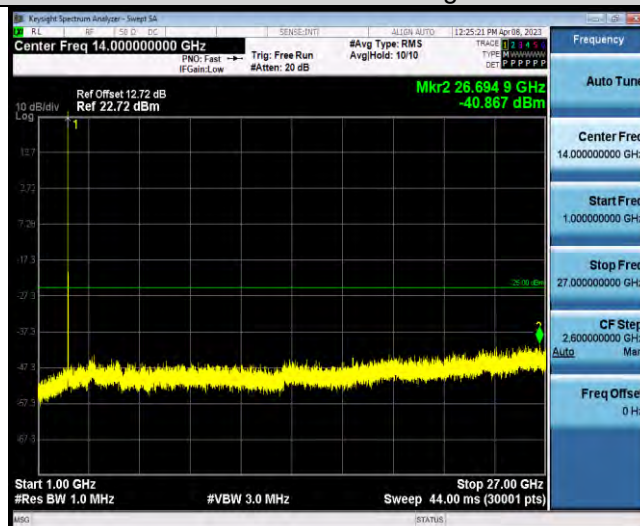
Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~27000MHz



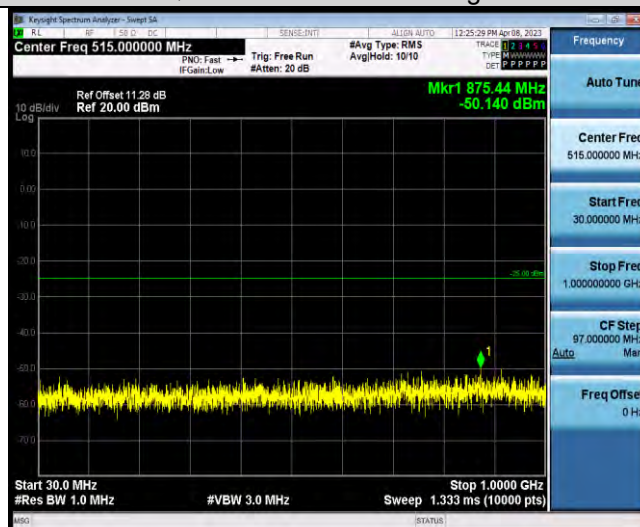
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~27000MHz

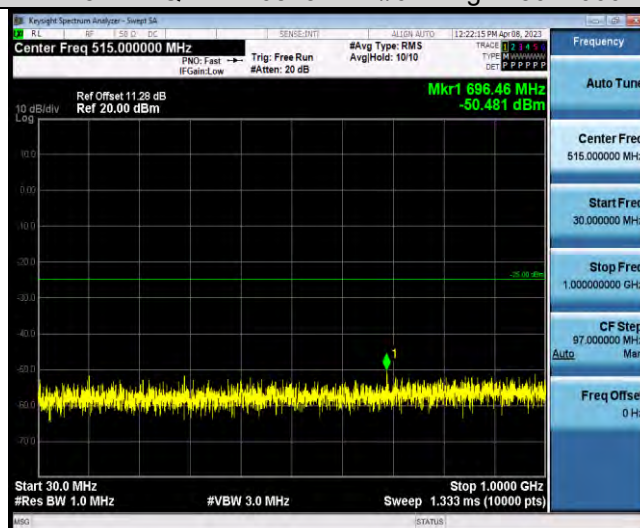


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Test Report No.: W7L-P23030025RF06



Band7-15MHz-QPSK-20825-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-20825-1RB#0-Range2:1000~27000MHz



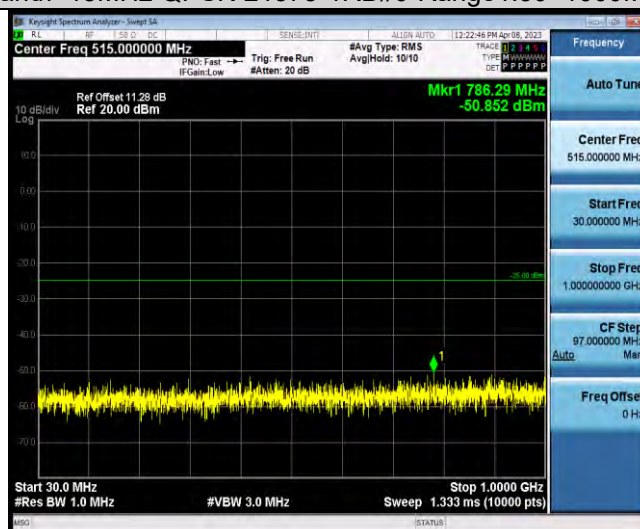
Band7-15MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



Band7-15MHz-QPSK-21375-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-21375-1RB#0-Range2:1000~27000MHz

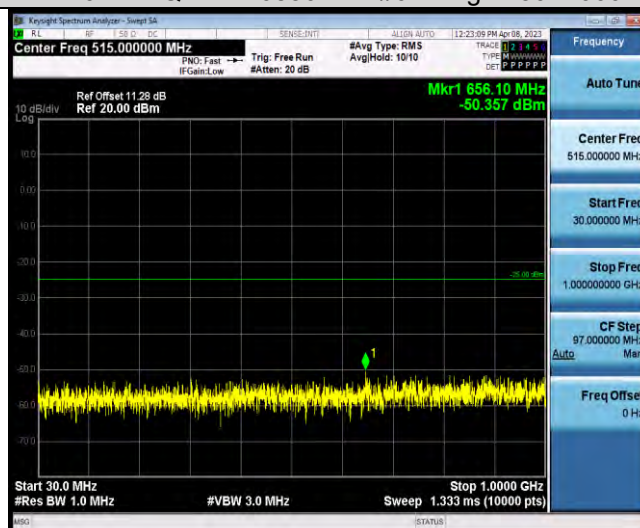


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VERITAS

Test Report No.: W7L-P23030025RF06



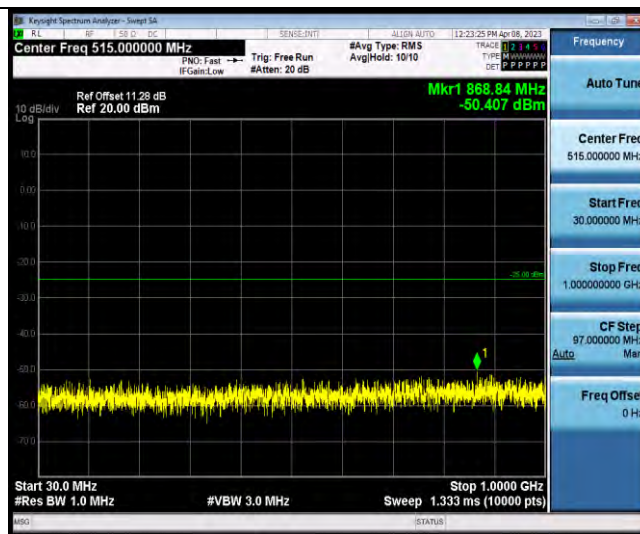
Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~27000MHz



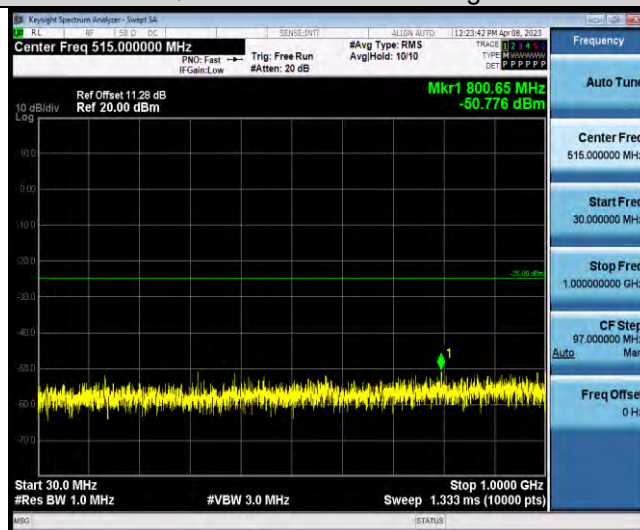
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~27000MHz



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	5.72	0.002279	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	6.90	0.002749	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	6.79	0.002705	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-5.24	-0.002067	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-4.96	-0.001957	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-5.82	-0.002296	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	4.73	0.001848	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	5.51	0.002152	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	7.25	0.002832	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	8.20	0.003267	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	5.66	0.002255	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	4.15	0.001653	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	4.79	0.001908	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.18	0.001665	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	7.04	0.002805	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	3.96	0.001578	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	3.98	0.001586	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	4.11	0.001637	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-4.78	-0.001886	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-6.35	-0.002505	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-6.81	-0.002686	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-5.56	-0.002193	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.91	-0.001542	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-8.03	-0.003168	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.11	-0.002410	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-5.81	-0.002292	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-4.05	-0.001598	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	4.85	0.001895	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	4.94	0.001930	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	3.18	0.001242	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	5.99	0.002340	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.44	0.002125	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	6.52	0.002547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	7.44	0.002906	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	4.78	0.001867	±2.5	PASS