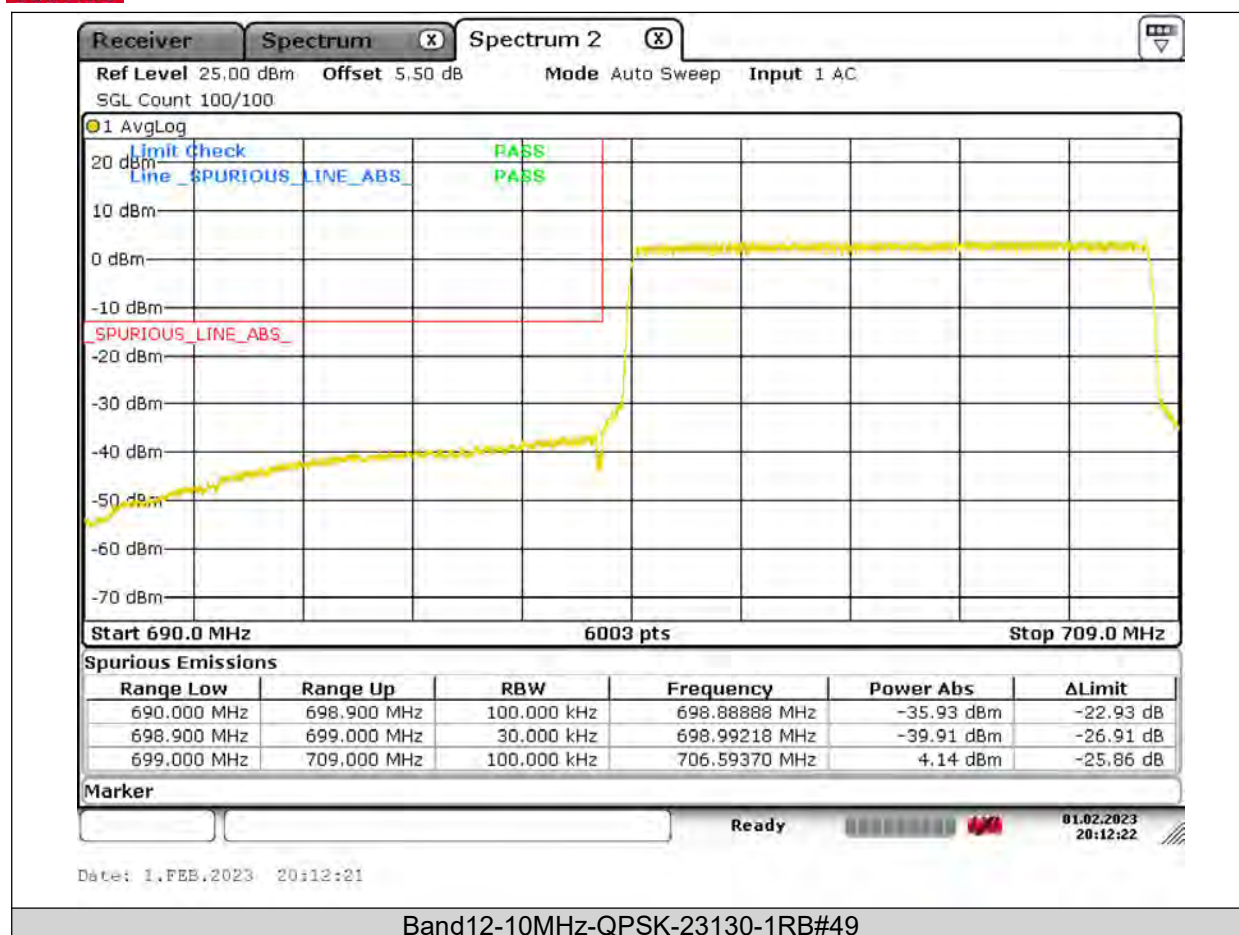




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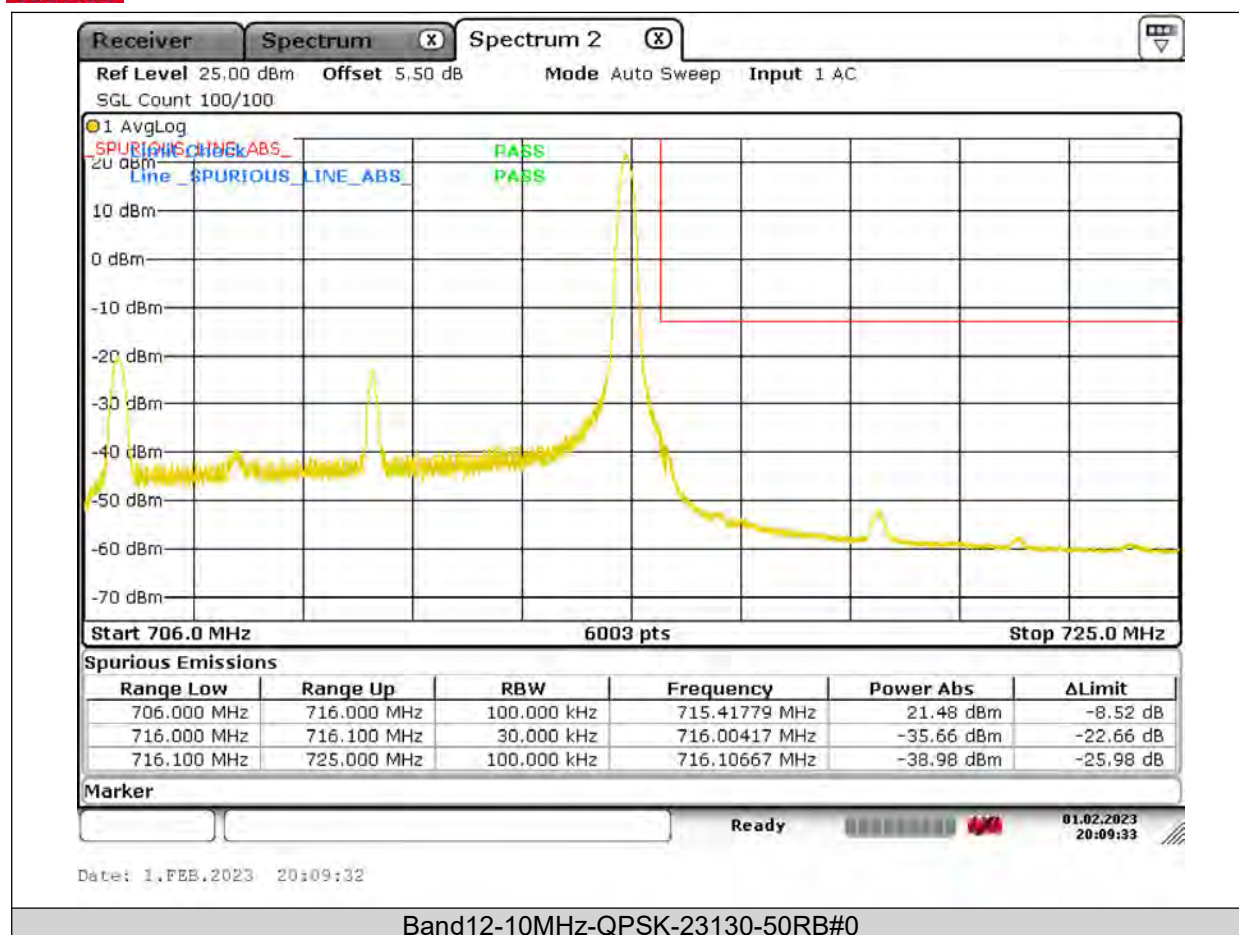
Test Report No.: W7L-P23010004-2RF03





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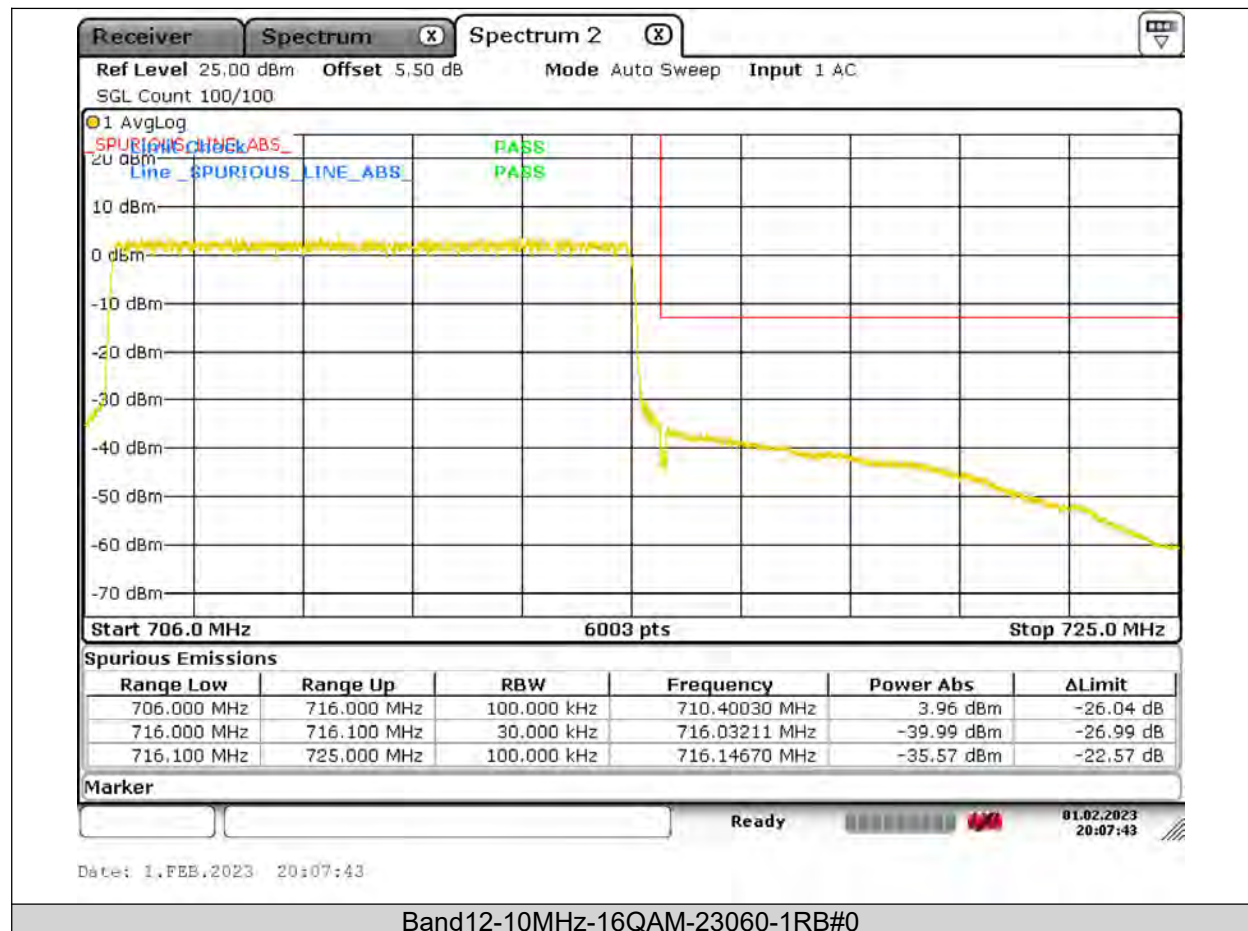
Test Report No.: W7L-P23010004-2RF03





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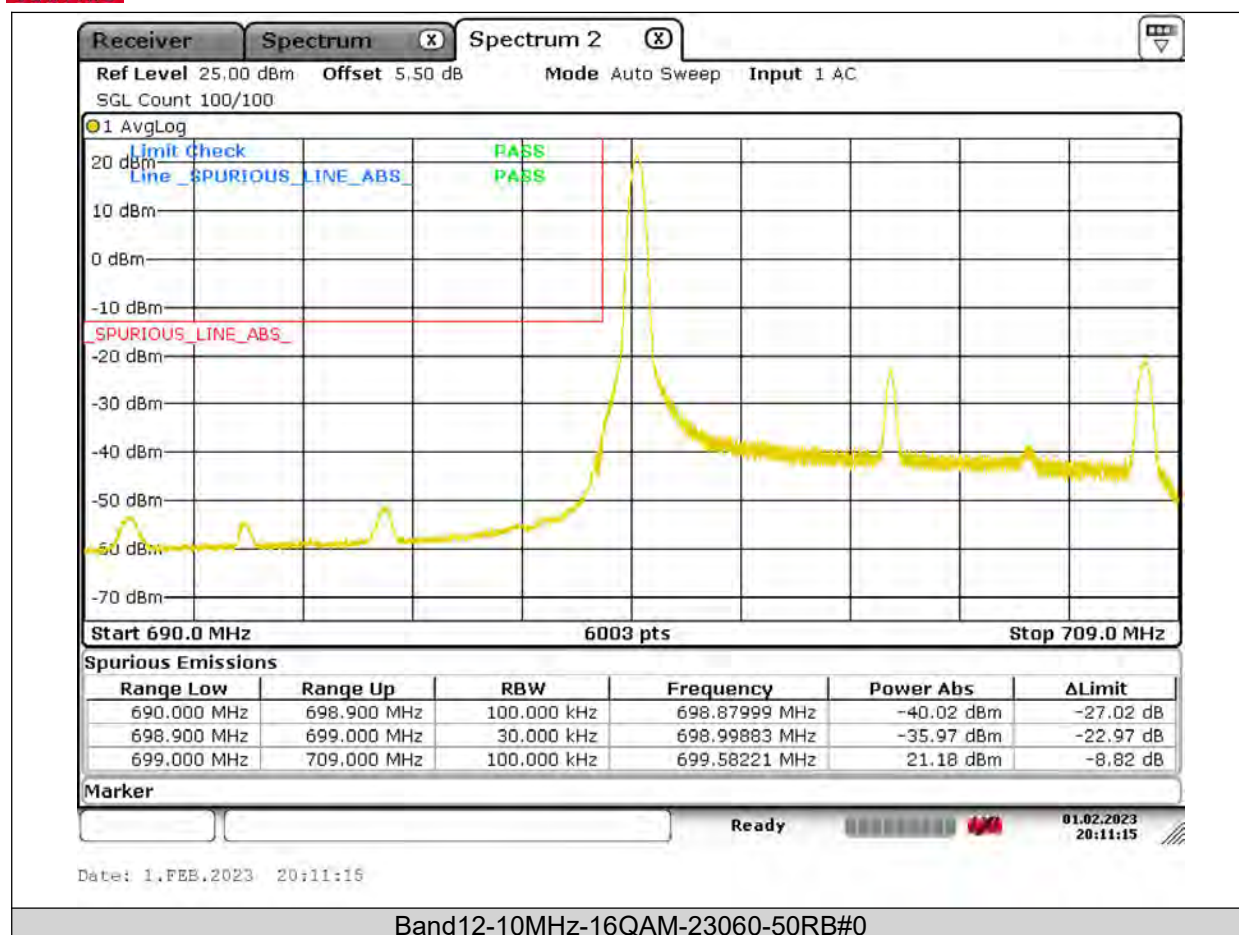
Test Report No.: W7L-P23010004-2RF03





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VERITAS

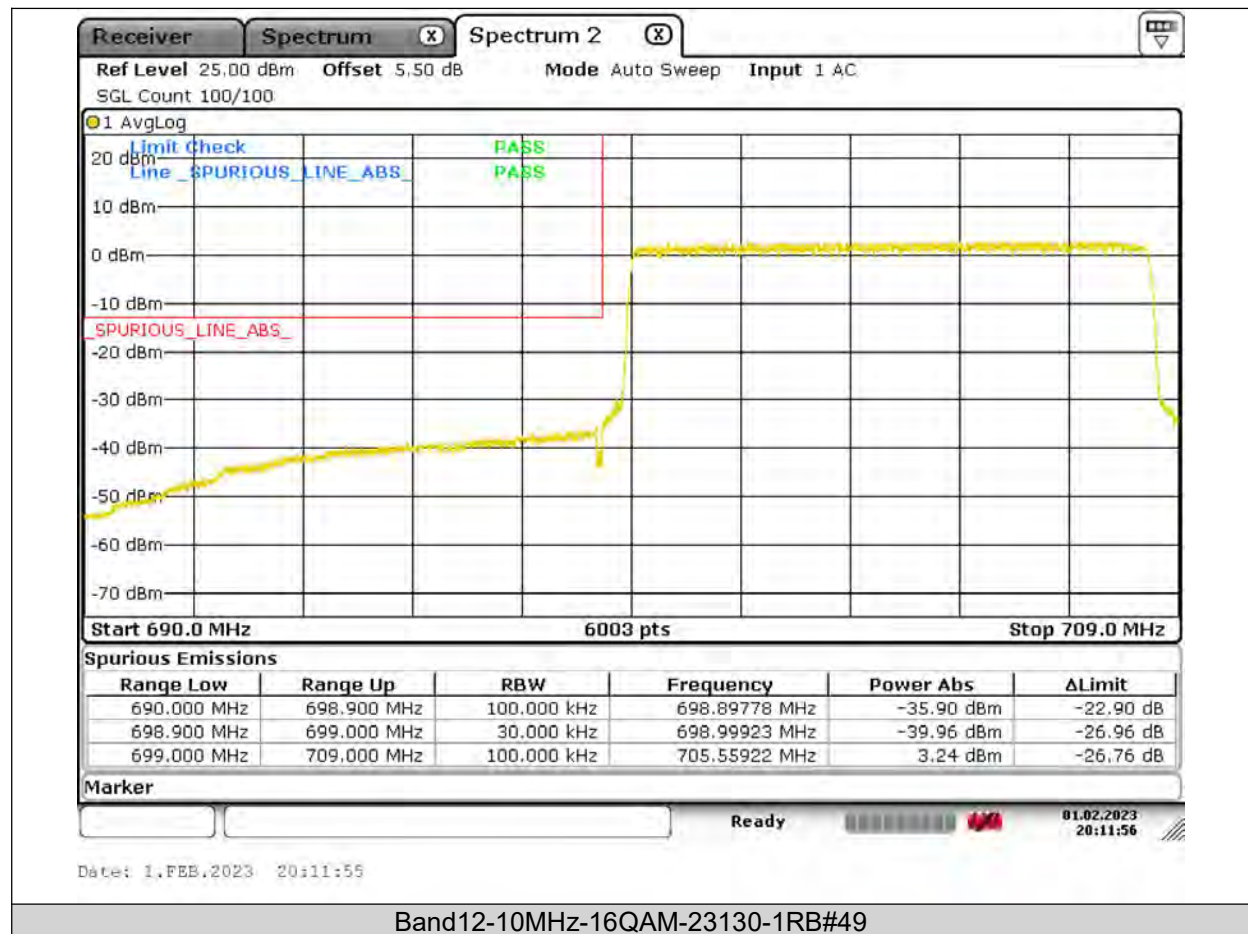
Test Report No.: W7L-P23010004-2RF03





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VERITAS

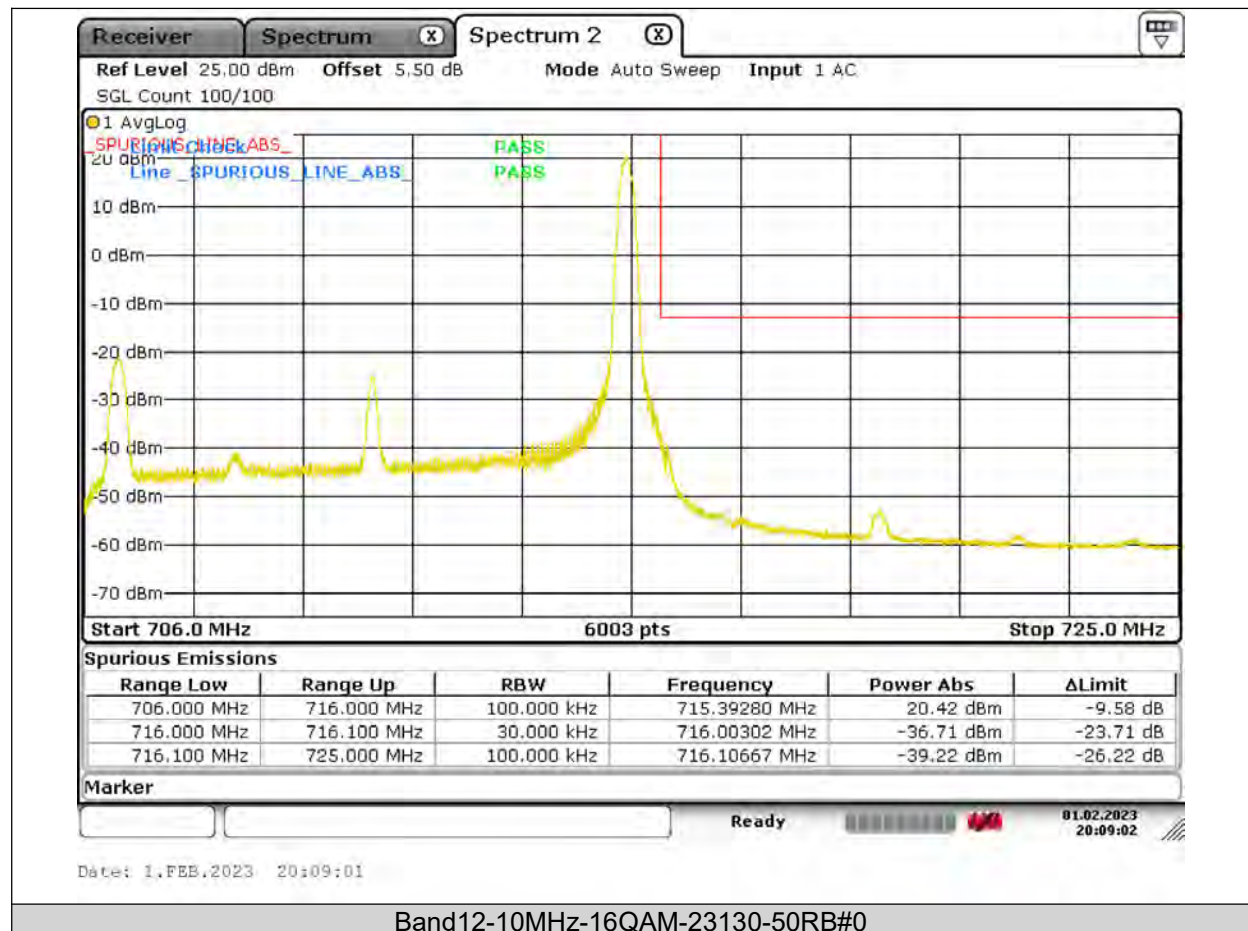
Test Report No.: W7L-P23010004-2RF03





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VERITAS

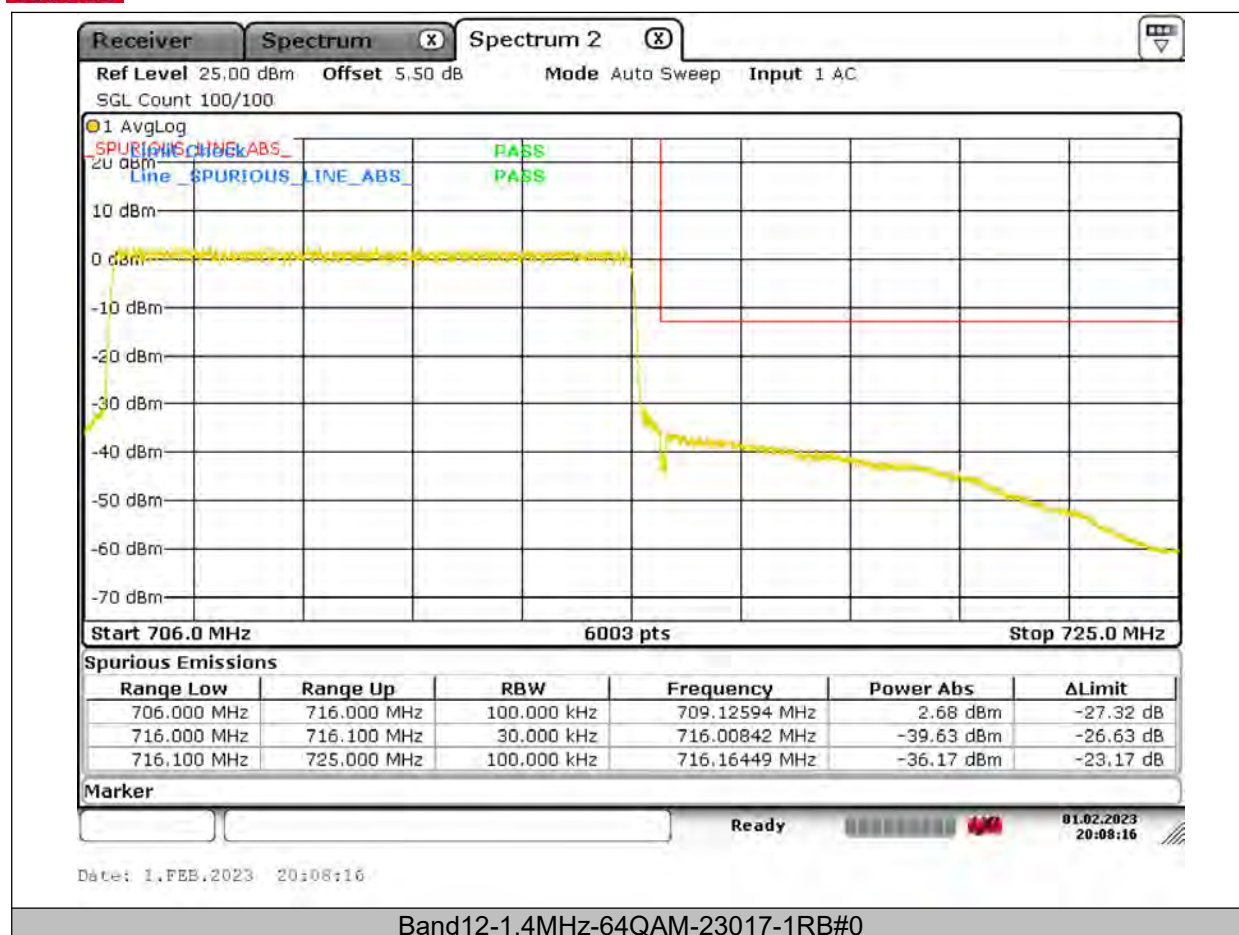
Test Report No.: W7L-P23010004-2RF03





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VERITAS

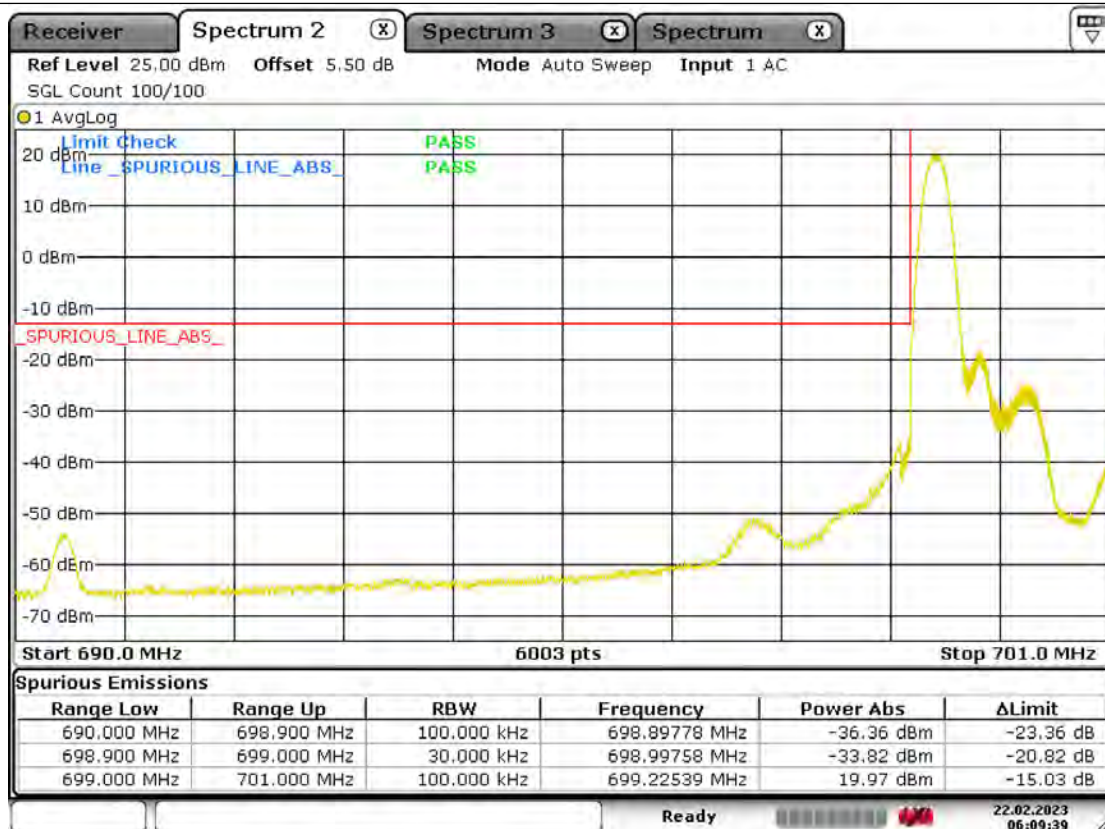
Test Report No.: W7L-P23010004-2RF03





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Test Report No.: W7L-P23010004-2RF03



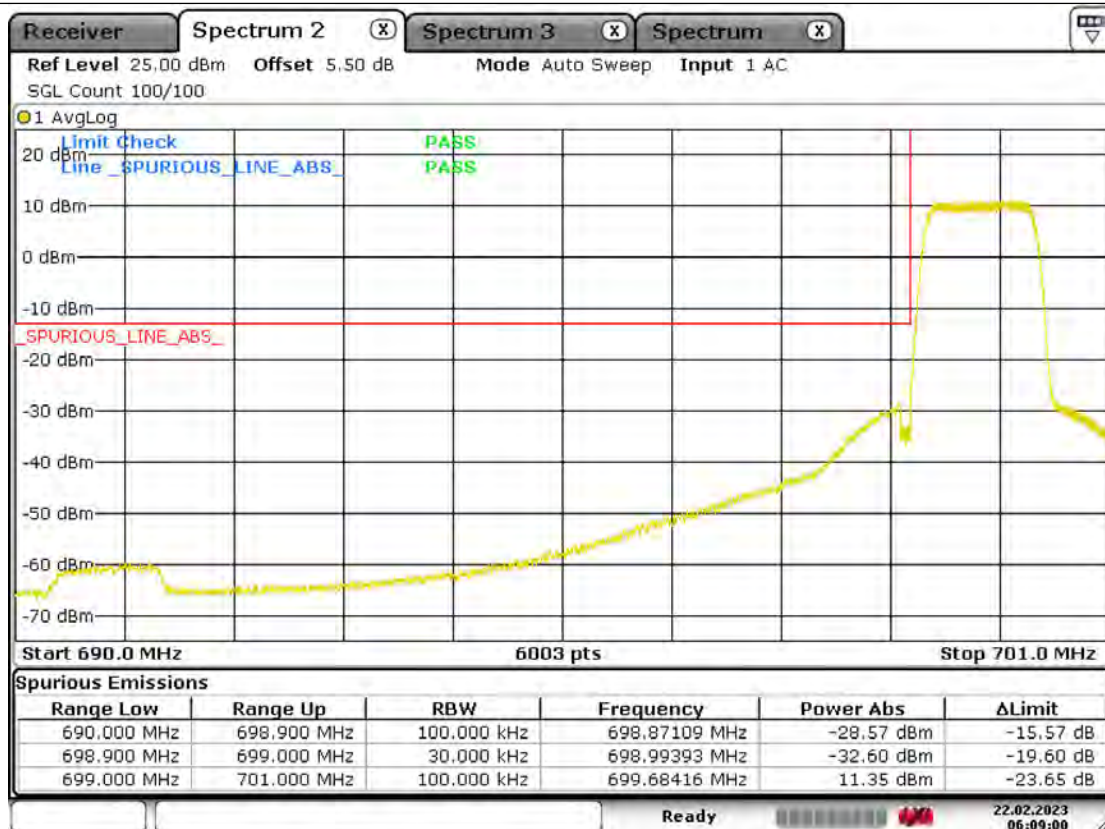
Date: 22.FEB.2023 06:09:39

Band12-1.4MHz-64QAM-23017-6RB#0



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Test Report No.: W7L-P23010004-2RF03



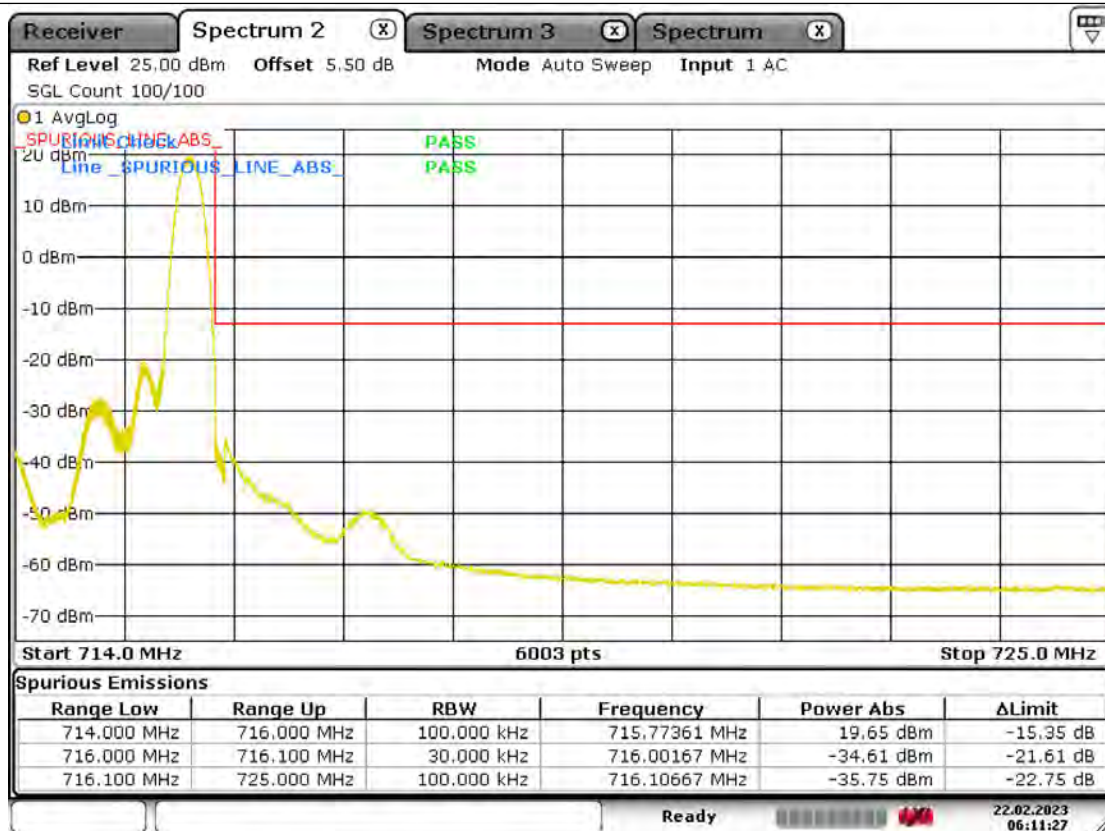
Date: 22.FEB.2023 06:08:59

Band12-1.4MHz-64QAM-23173-1RB#5



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VERITAS

Test Report No.: W7L-P23010004-2RF03



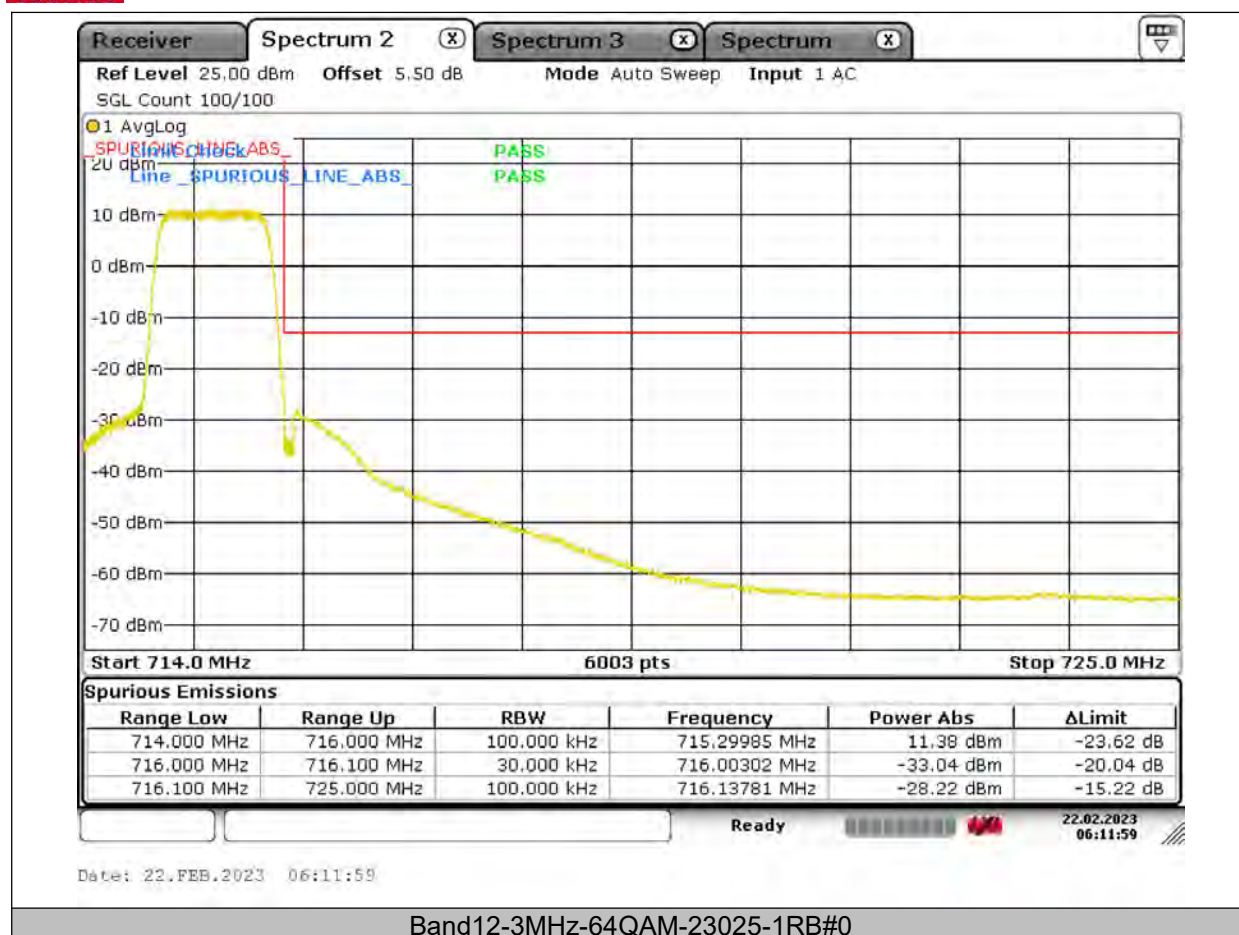
Date: 22.FEB.2023 06:11:27

Band12-1.4MHz-64QAM-23173-6RB#0



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VERITAS

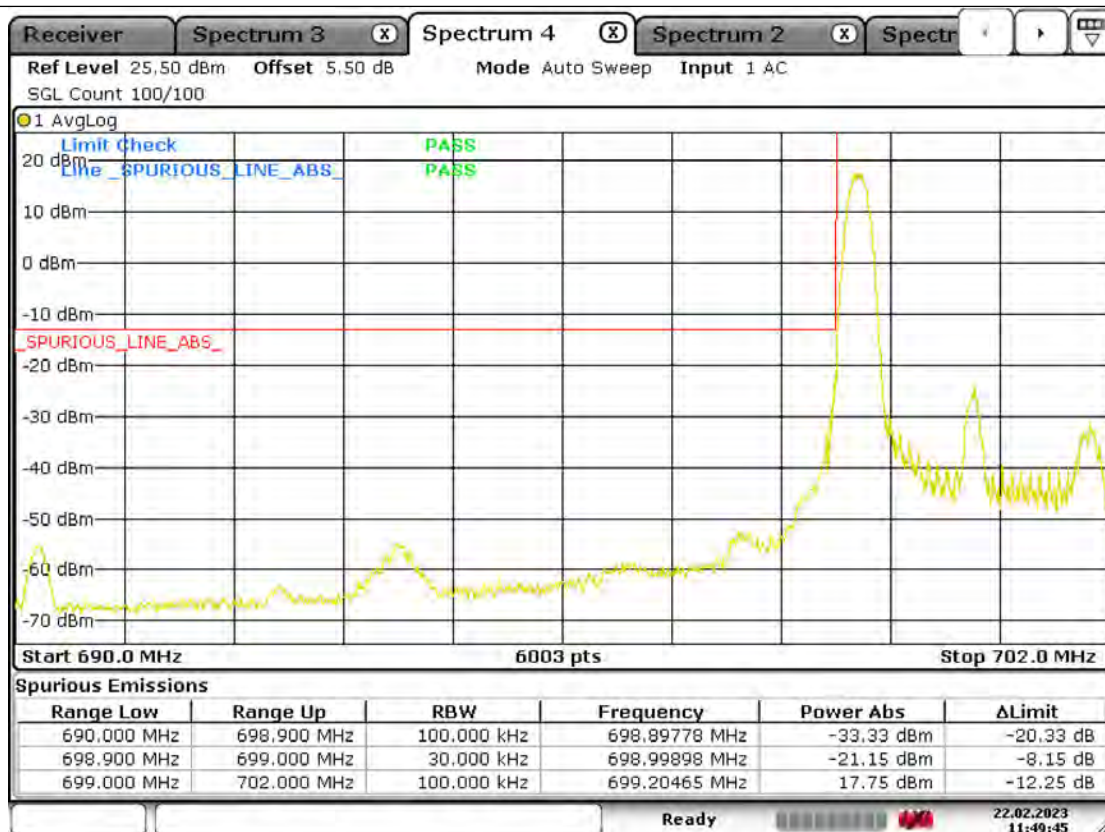
Test Report No.: W7L-P23010004-2RF03





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VERITAS

Test Report No.: W7L-P23010004-2RF03



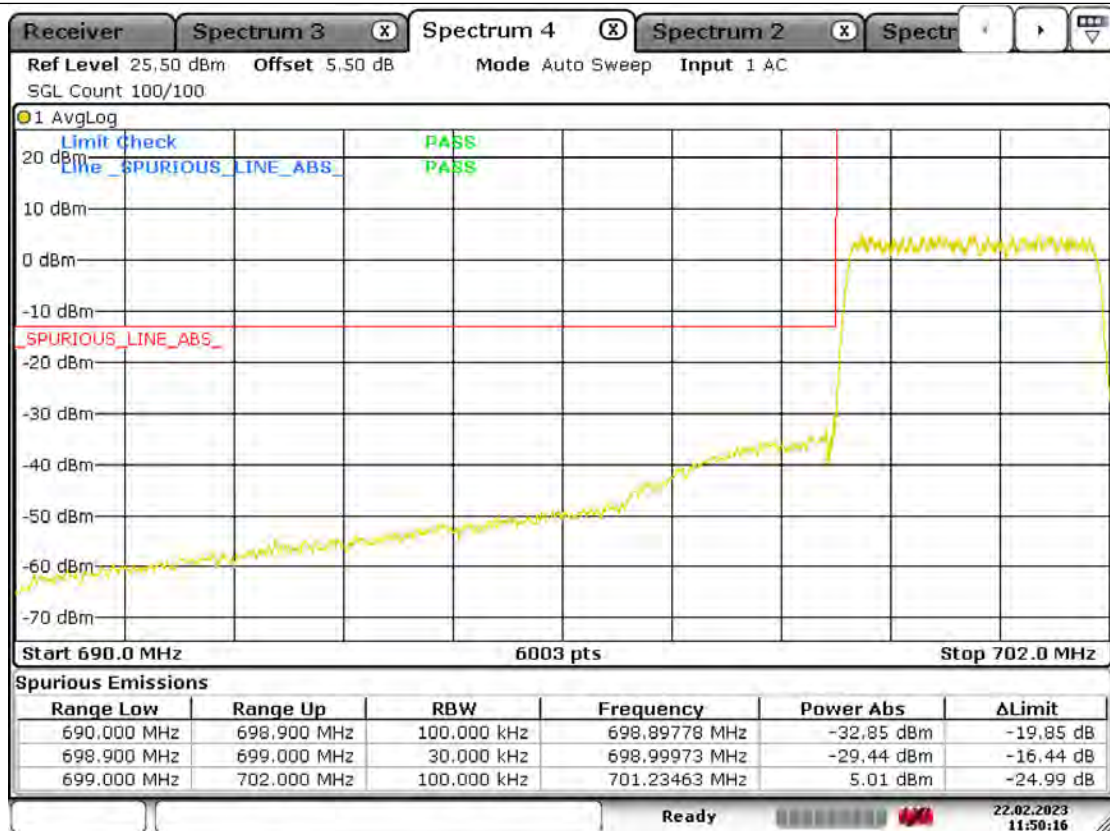
Date: 22.FEB.2023 11:49:45

Band12-3MHz-64QAM-23025-15RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



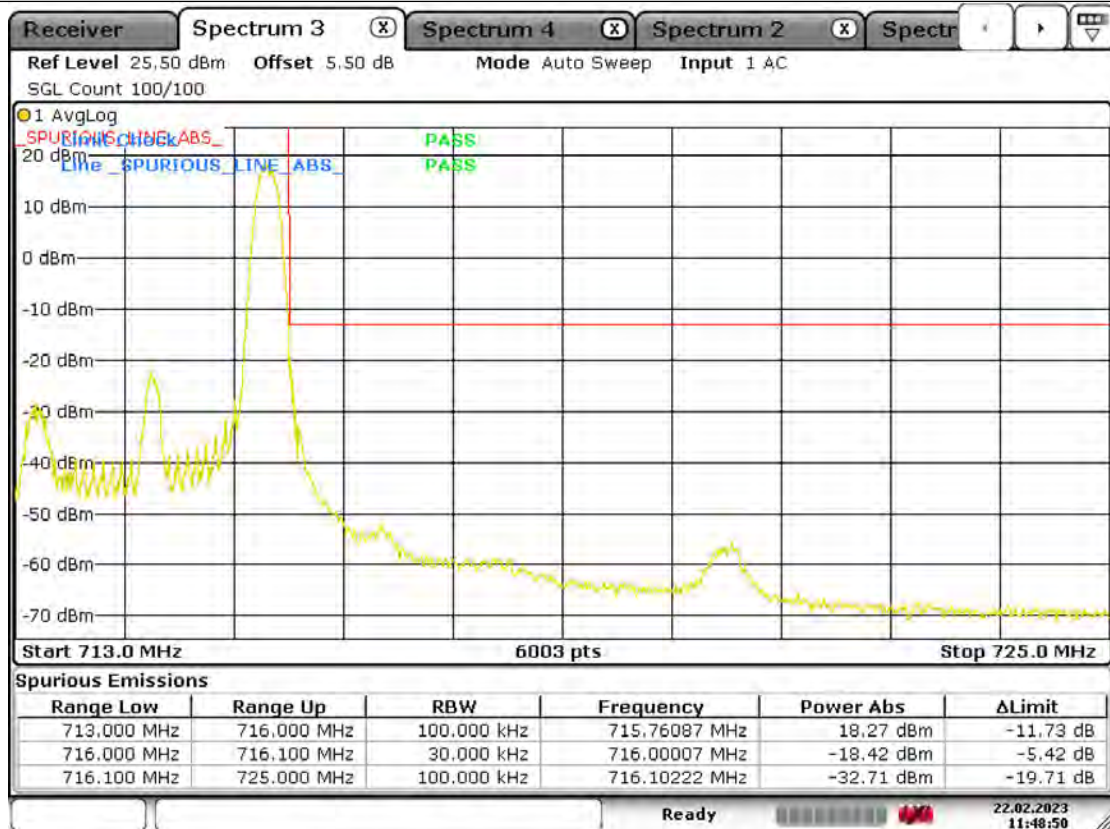
Date: 22.FEB.2023 11:50:16

Band12-3MHz-64QAM-23165-1RB#14



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Test Report No.: W7L-P23010004-2RF03



Date: 22.FEB.2023 11:48:50

Band12-3MHz-64QAM-23165-15RB#0



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VERITAS

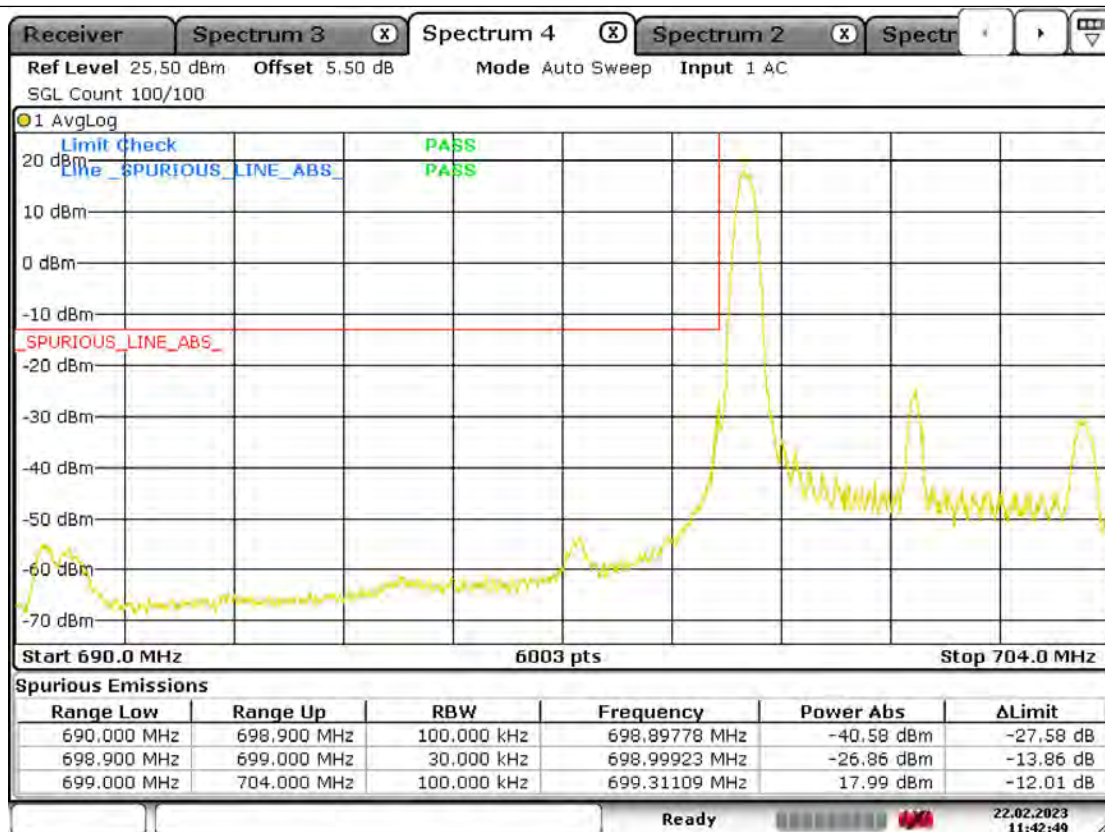
Test Report No.: W7L-P23010004-2RF03





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Test Report No.: W7L-P23010004-2RF03



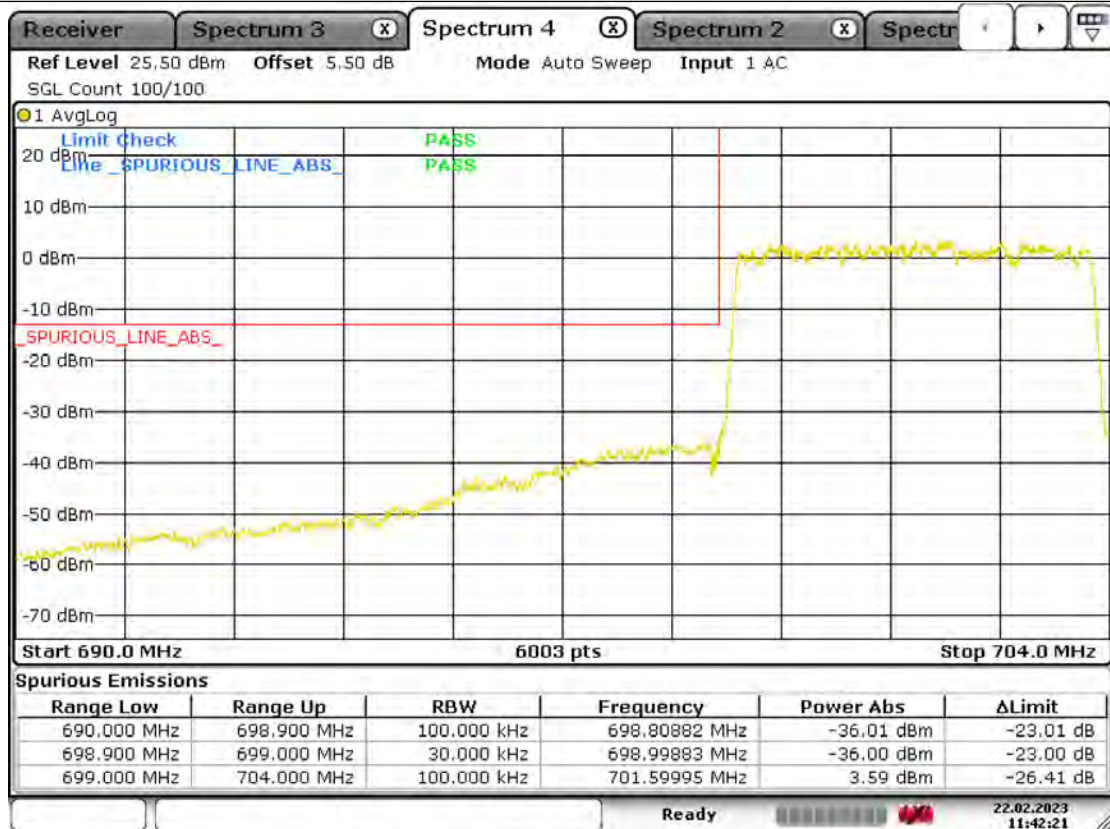
Date: 22.FEB.2023 11:42:49

Band12-5MHz-64QAM-23035-25RB#0



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Test Report No.: W7L-P23010004-2RF03



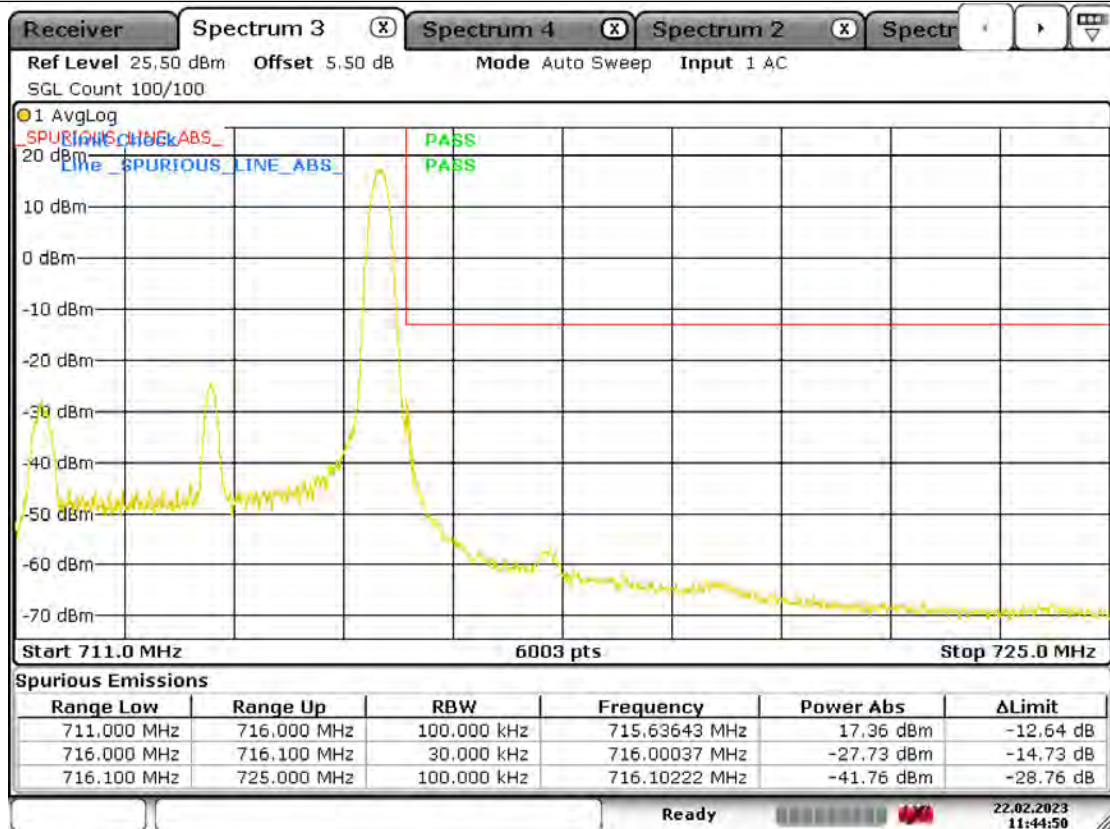
Date: 22.FEB.2023 11:42:21

Band12-5MHz-64QAM-23155-1RB#24



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VERITAS

Test Report No.: W7L-P23010004-2RF03



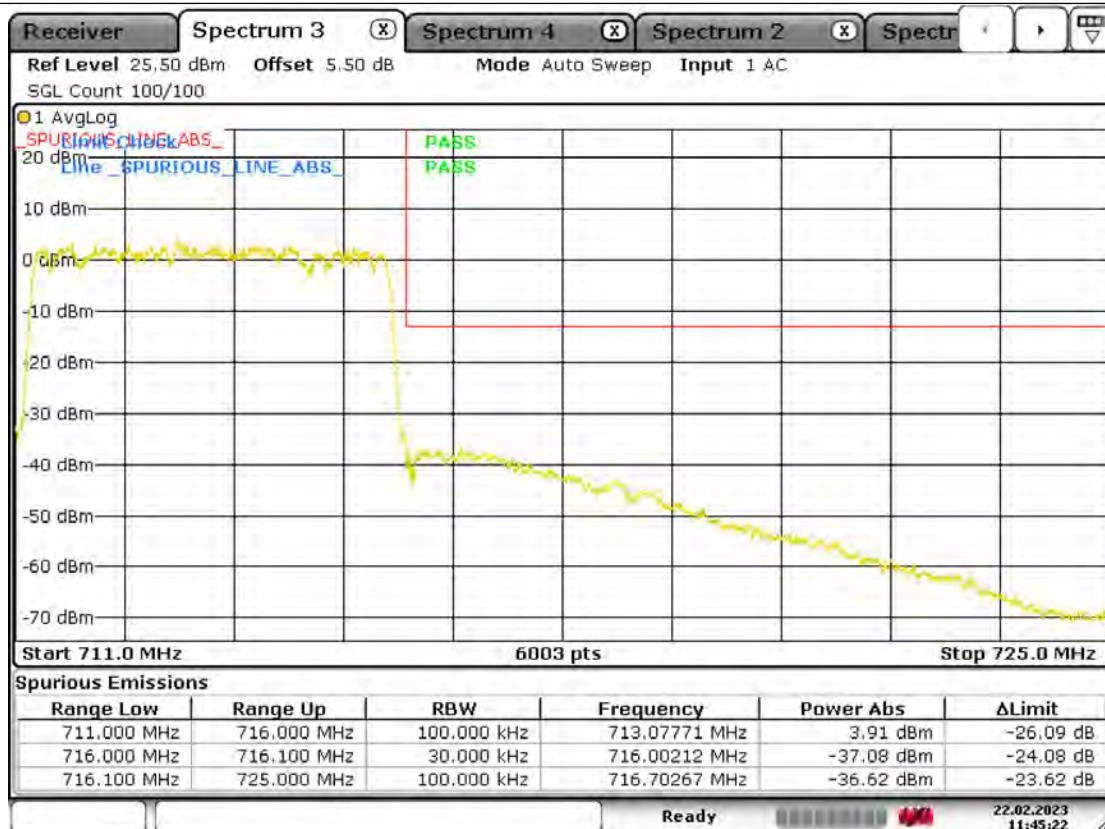
Date: 22.FEB.2023 11:44:49

Band12-5MHz-64QAM-23155-25RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



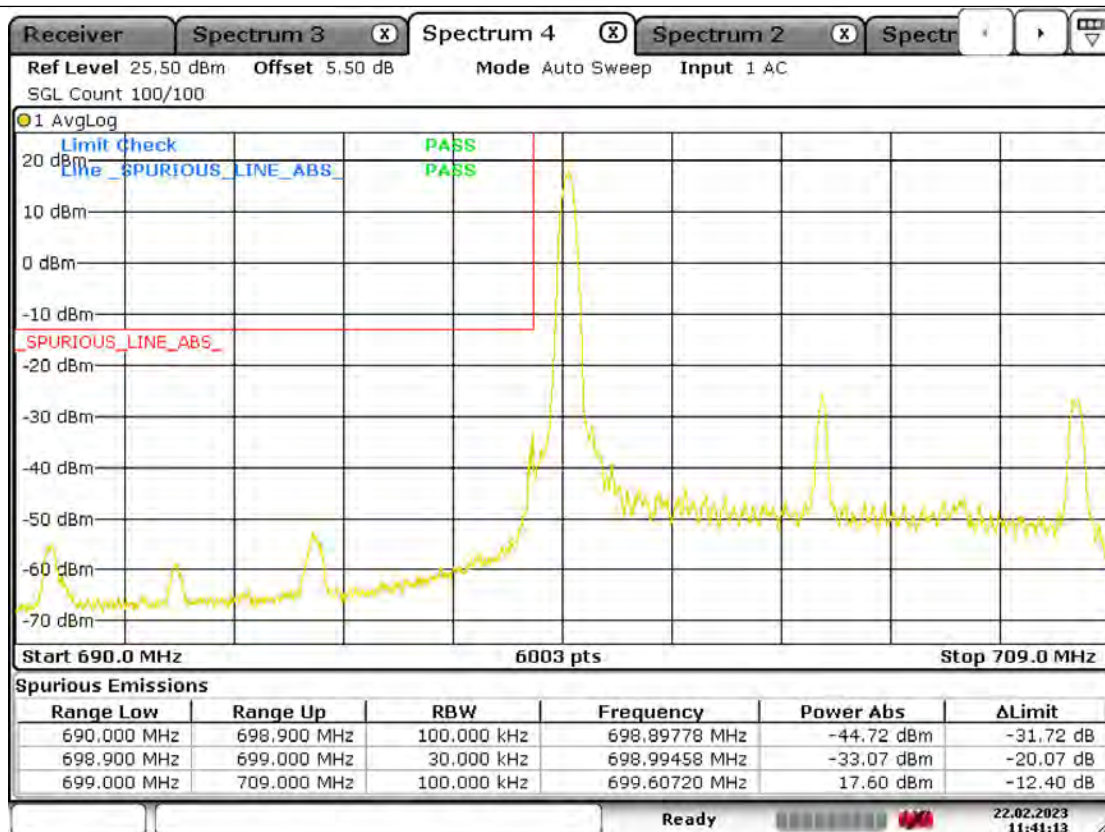
Date: 22.FEB.2023 11:45:22

Band12-10MHz-64QAM-23060-1RB#0



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Test Report No.: W7L-P23010004-2RF03



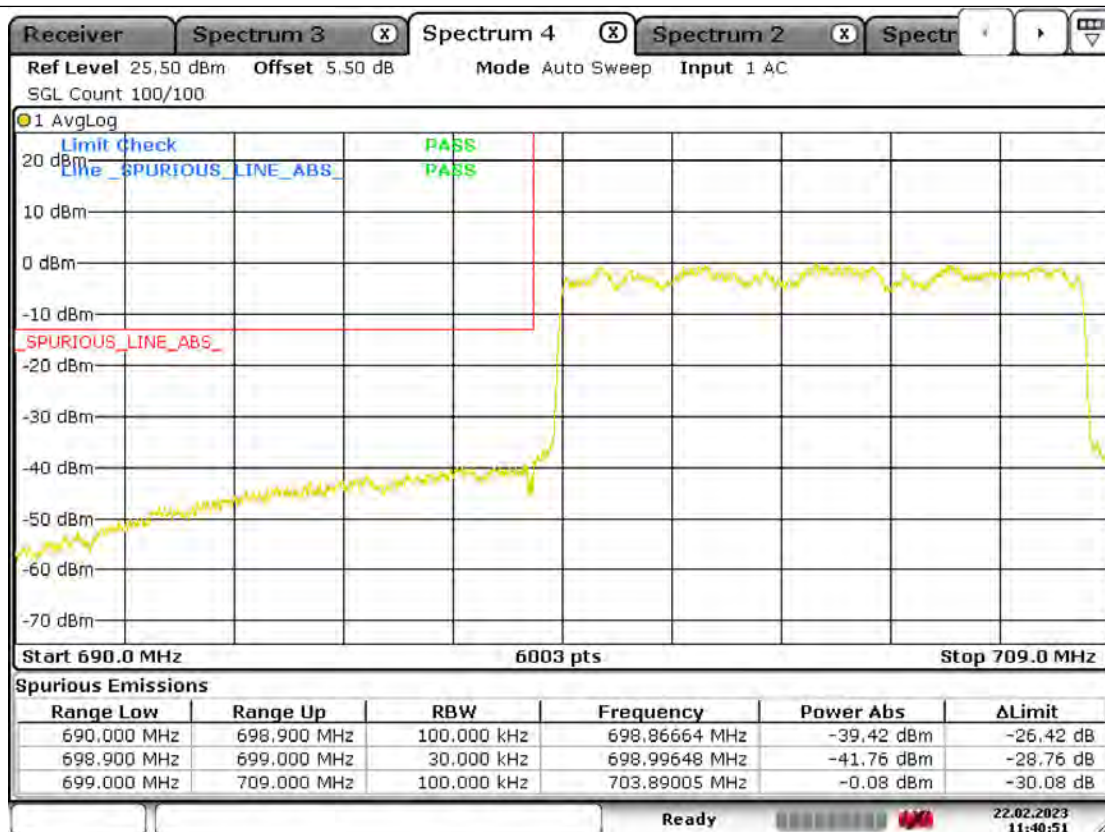
Date: 22.FEB.2023 11:41:13

Band12-10MHz-64QAM-23060-50RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



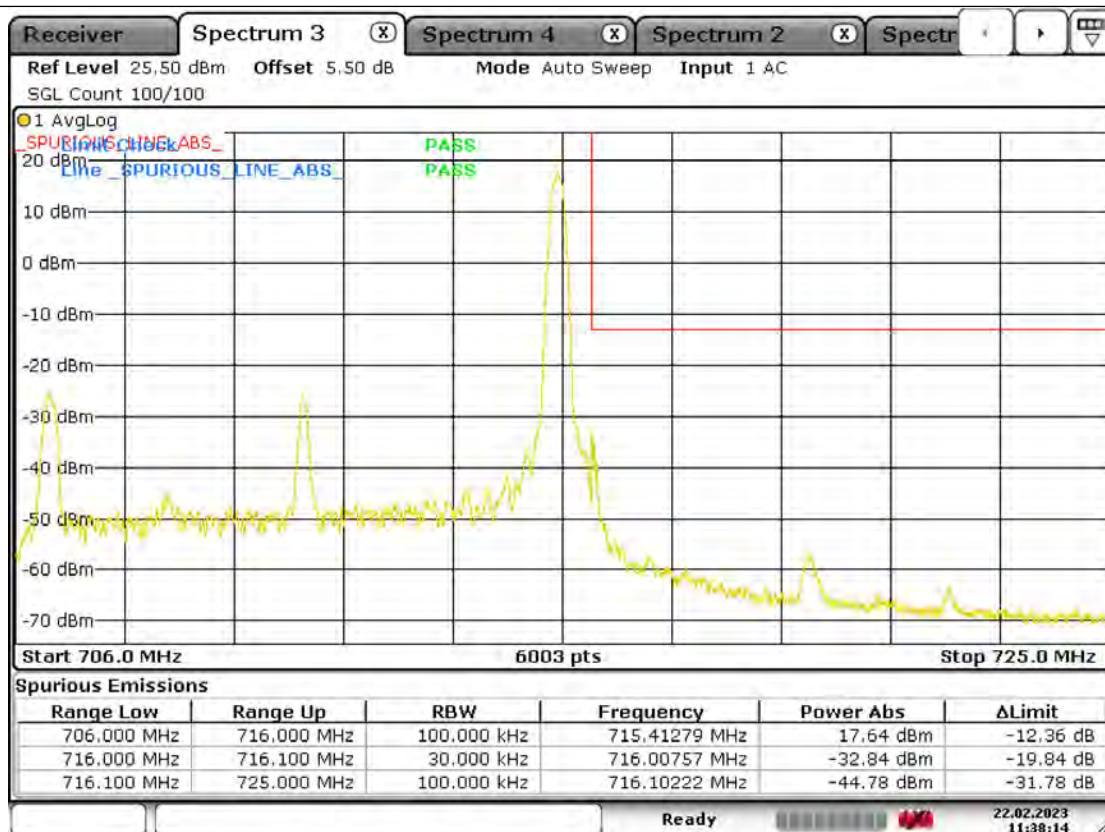
Date: 22.FEB.2023 11:40:51

Band12-10MHz-64QAM-23130-1RB#49



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VERITAS

Test Report No.: W7L-P23010004-2RF03



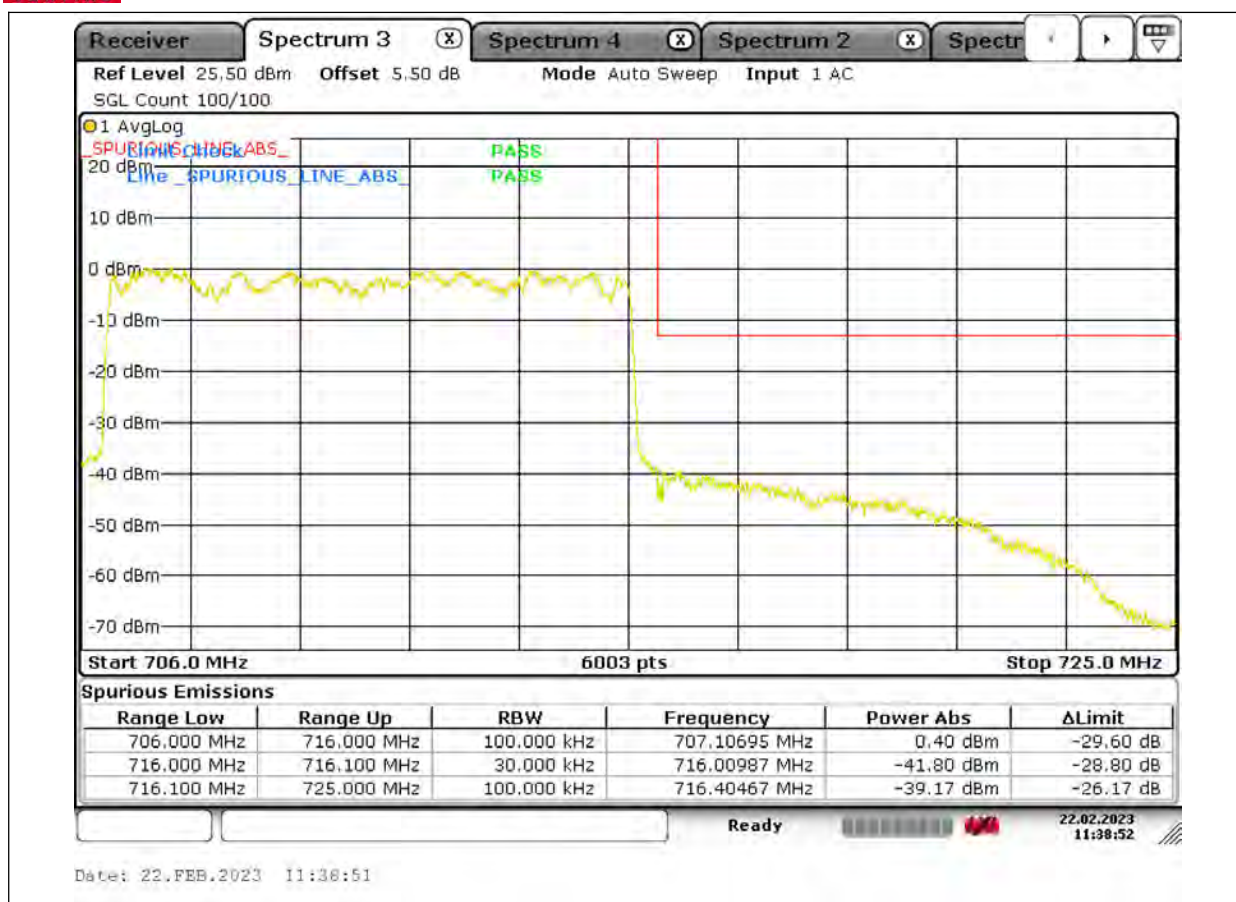
Date: 22.FEB.2023 11:38:14

Band12-10MHz-64QAM-23130-50RB#0



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Test Report No.: W7L-P23010004-2RF03



CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-63.8 7	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~9000MHz	-46.7 9	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.9 3	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-43.2 9	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-63.8 8	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~9000MHz	-47.4 8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-64.0 5	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~9000MHz	-46.8 1	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.6 0	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-45.2 3	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-63.7 1	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~9000MHz	-47.4 5	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-63.8 0	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~9000MHz	-45.5 6	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.7 9	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-45.3 1	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-63.5 1	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~9000MHz	-43.7 7	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-63.8 7	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~9000MHz	-47.3 6	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-46.9 6	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-63.9 1	PASS

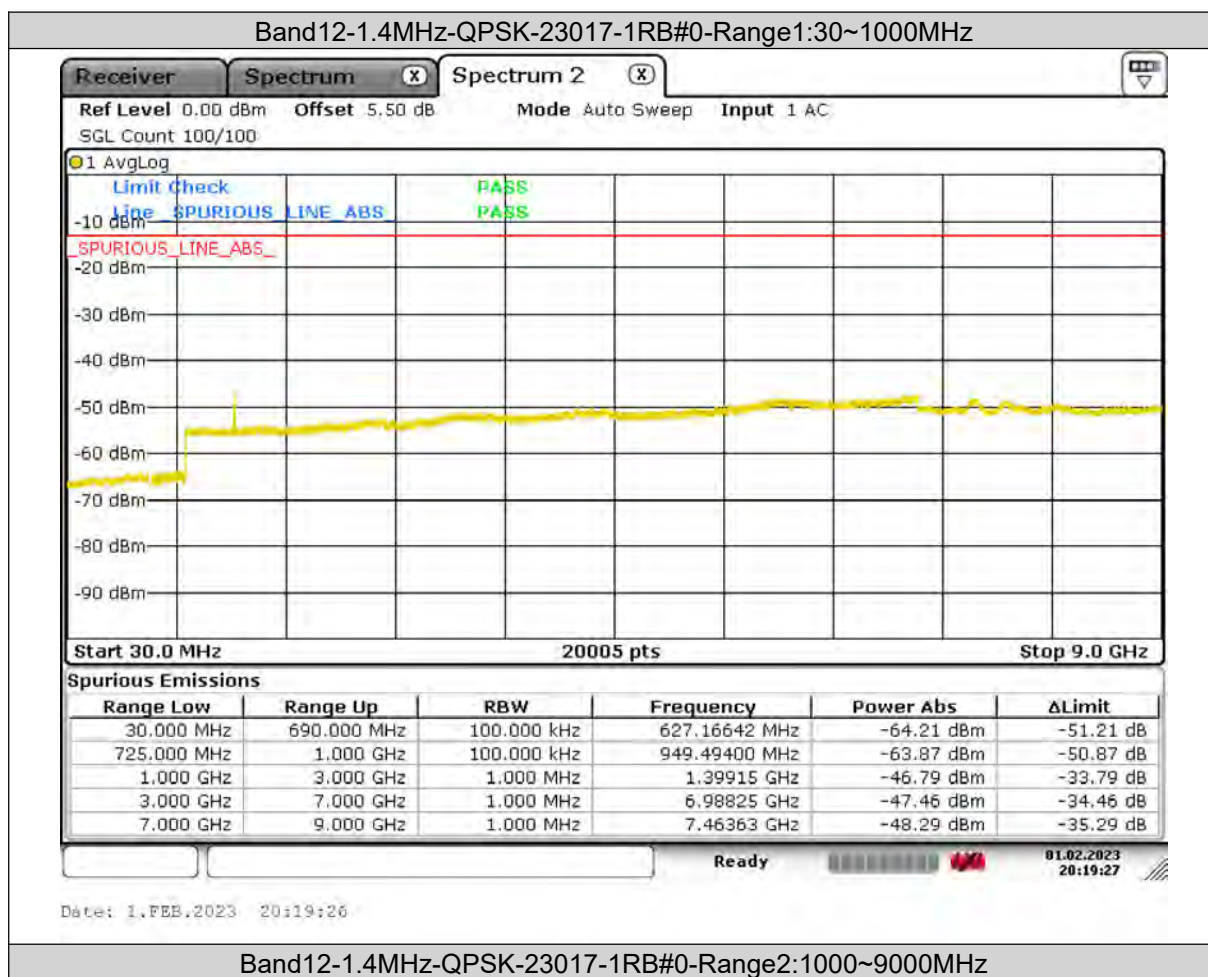


Test Report No.: W7L-P23010004-2RF03

Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~9000MHz	-46.2 7	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-63.8 0	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~9000MHz	-45.5 1	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.8 4	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-46.2 5	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-63.7 3	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~9000MHz	-41.7 7	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-63.8 0	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~9000MHz	-46.7 9	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.2 0	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~9000MHz	-43.1 7	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-63.8 7	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~9000MHz	-45.5 5	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.7 1	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-47.4 6	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-59.2 4	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~9000MHz	-45.4 5	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-63.8 4	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~9000MHz	-47.0 4	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.7 5	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.2 9	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-59.1 1	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~9000MHz	-47.5 0	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-63.8 4	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~9000MHz	-47.2 1	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.5	PASS

						9	
Band12	1.4MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.3 1	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-63.3 2	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~9000MHz	-47.0 8	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range1:30~1000MHz	-63.5 4	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range2:1000~9000MHz	-47.2 2	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.7 4	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.1	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range1:30~1000MHz	-63.8 5	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range2:1000~9000MHz	-46.7 8	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range1:30~1000MHz	-63.5 1	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range2:1000~9000MHz	-47.2 4	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.8 2	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.2 8	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range1:30~1000MHz	-63.5 4	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range2:1000~9000MHz	-45.6 6	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~9000MHz	-46.7	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-46.7	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-63.6 5	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~9000MHz	-45.3 5	PASS

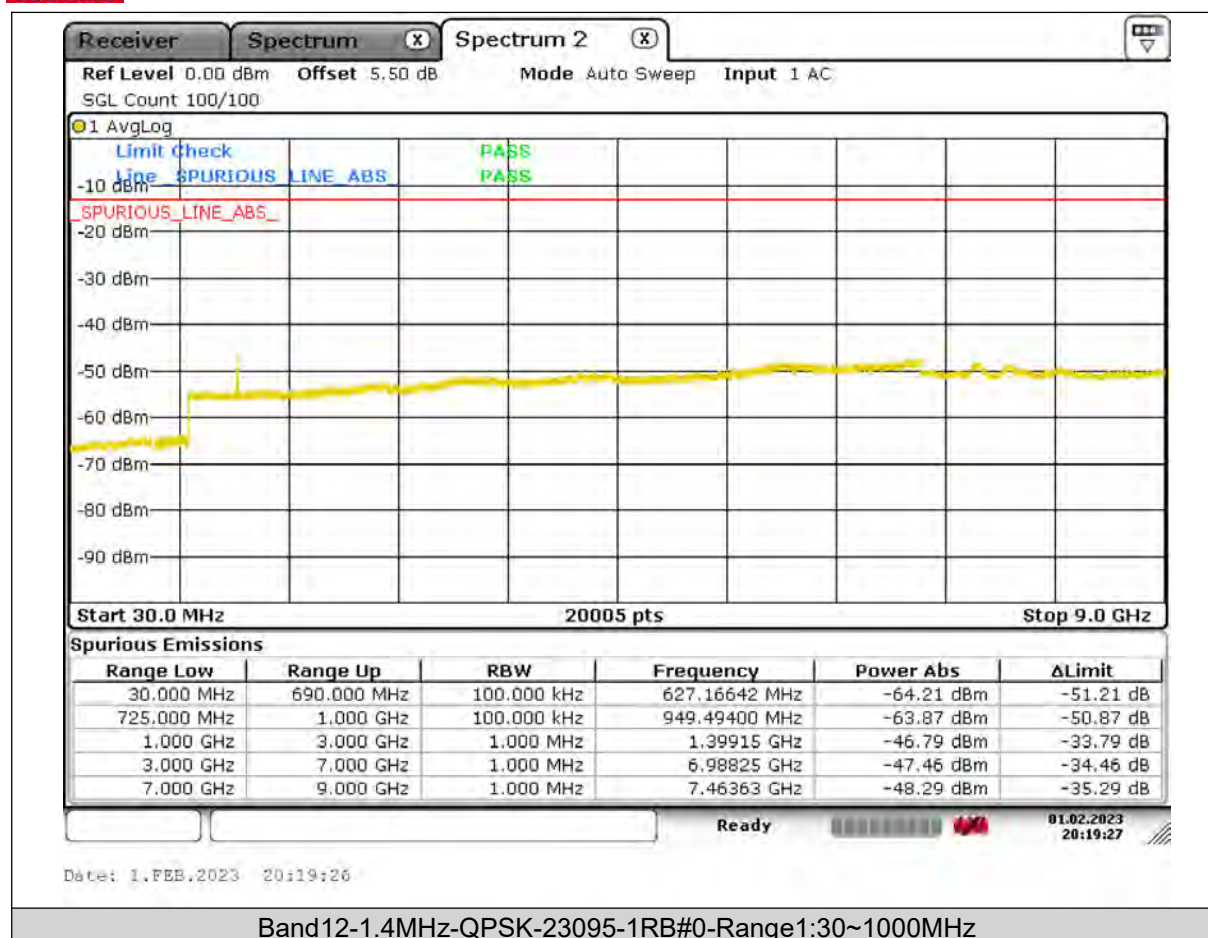
Test Graphs





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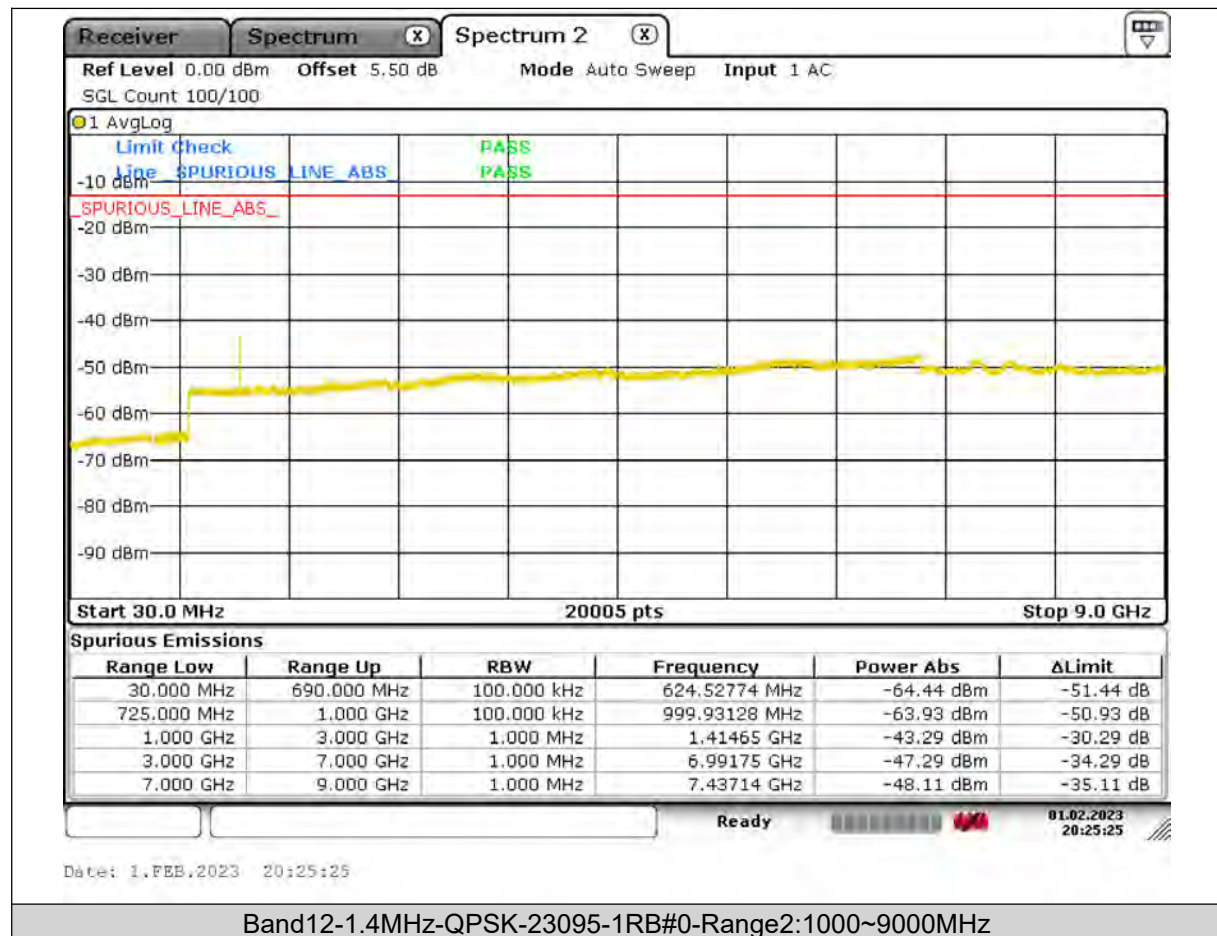
Test Report No.: W7L-P23010004-2RF03





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VERITAS

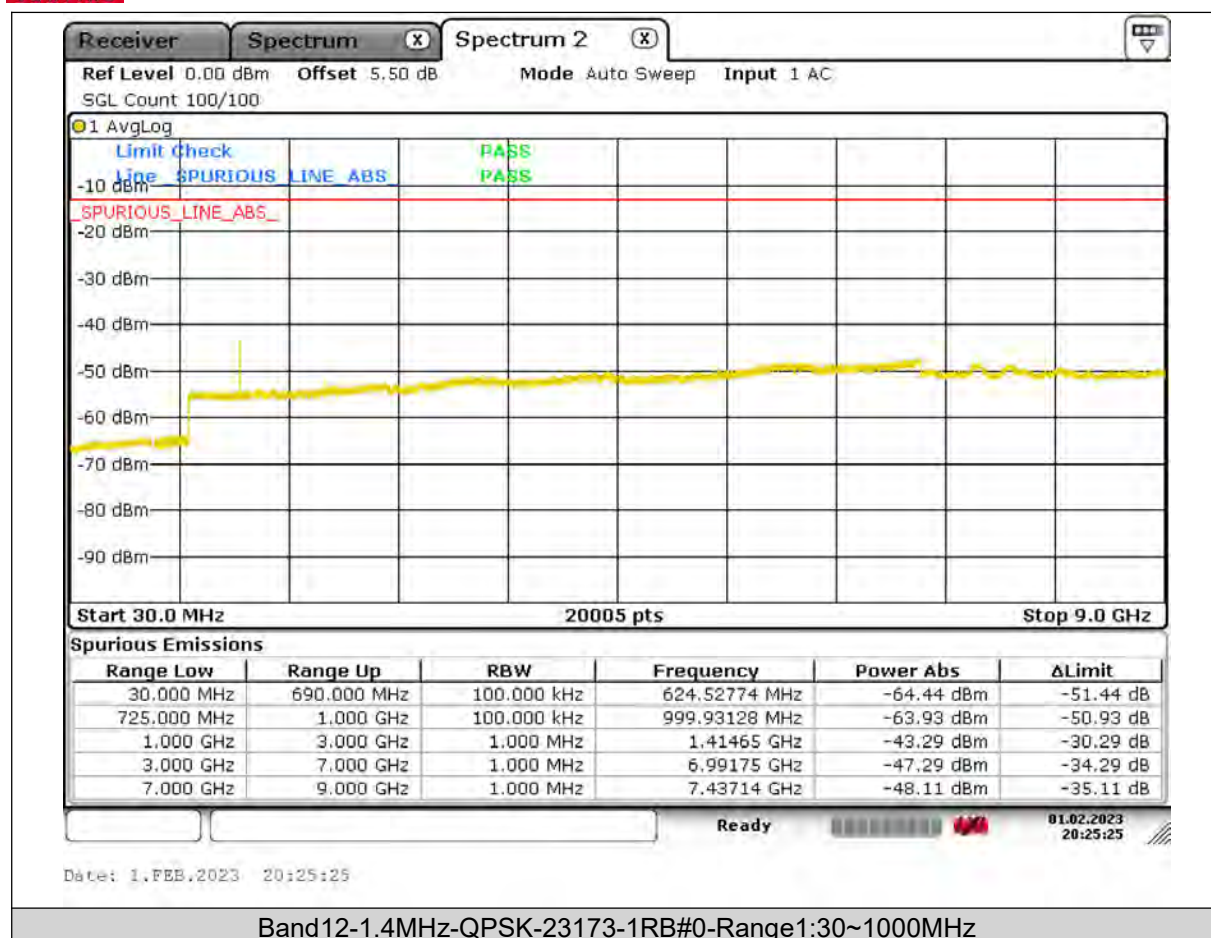
Test Report No.: W7L-P23010004-2RF03





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VERITAS

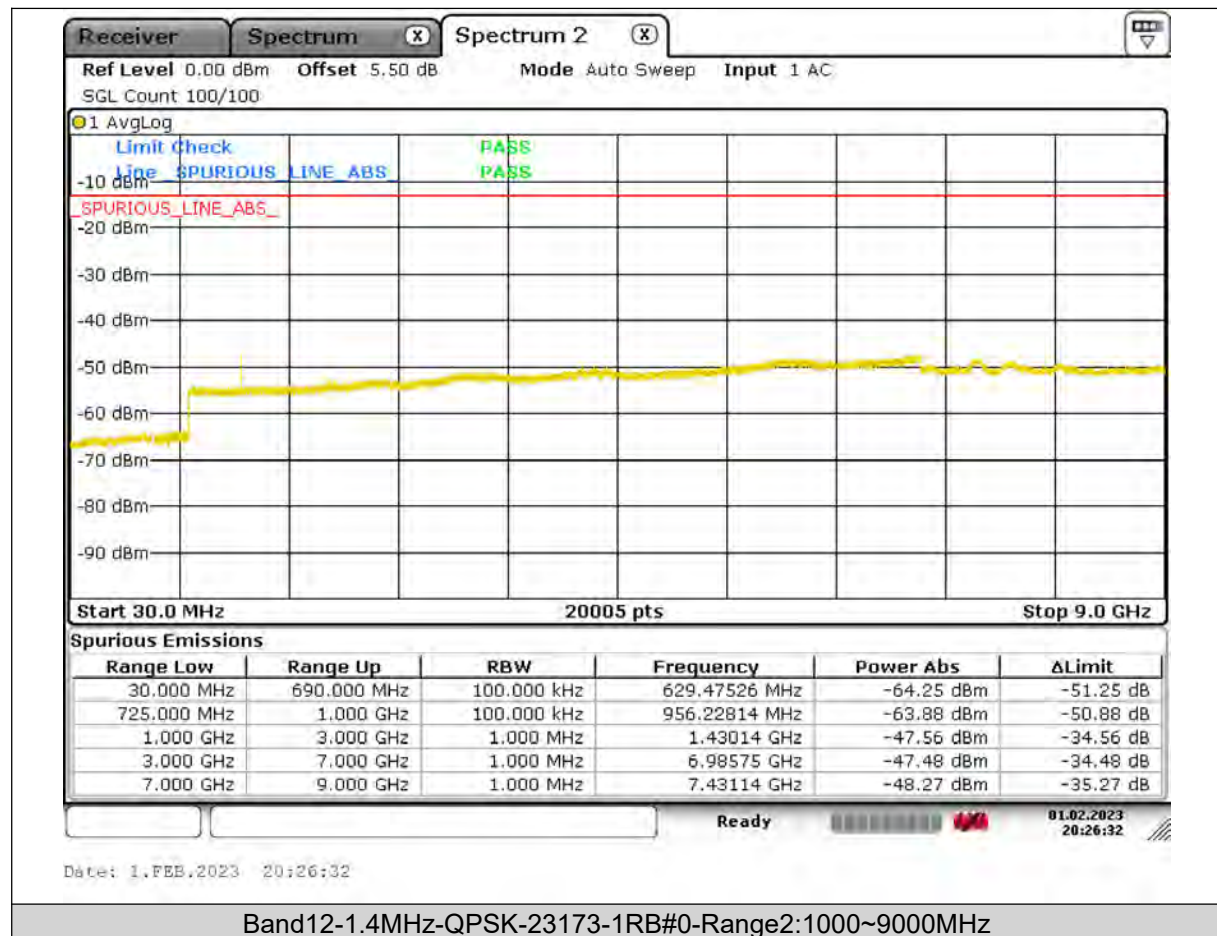
Test Report No.: W7L-P23010004-2RF03





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VERITAS

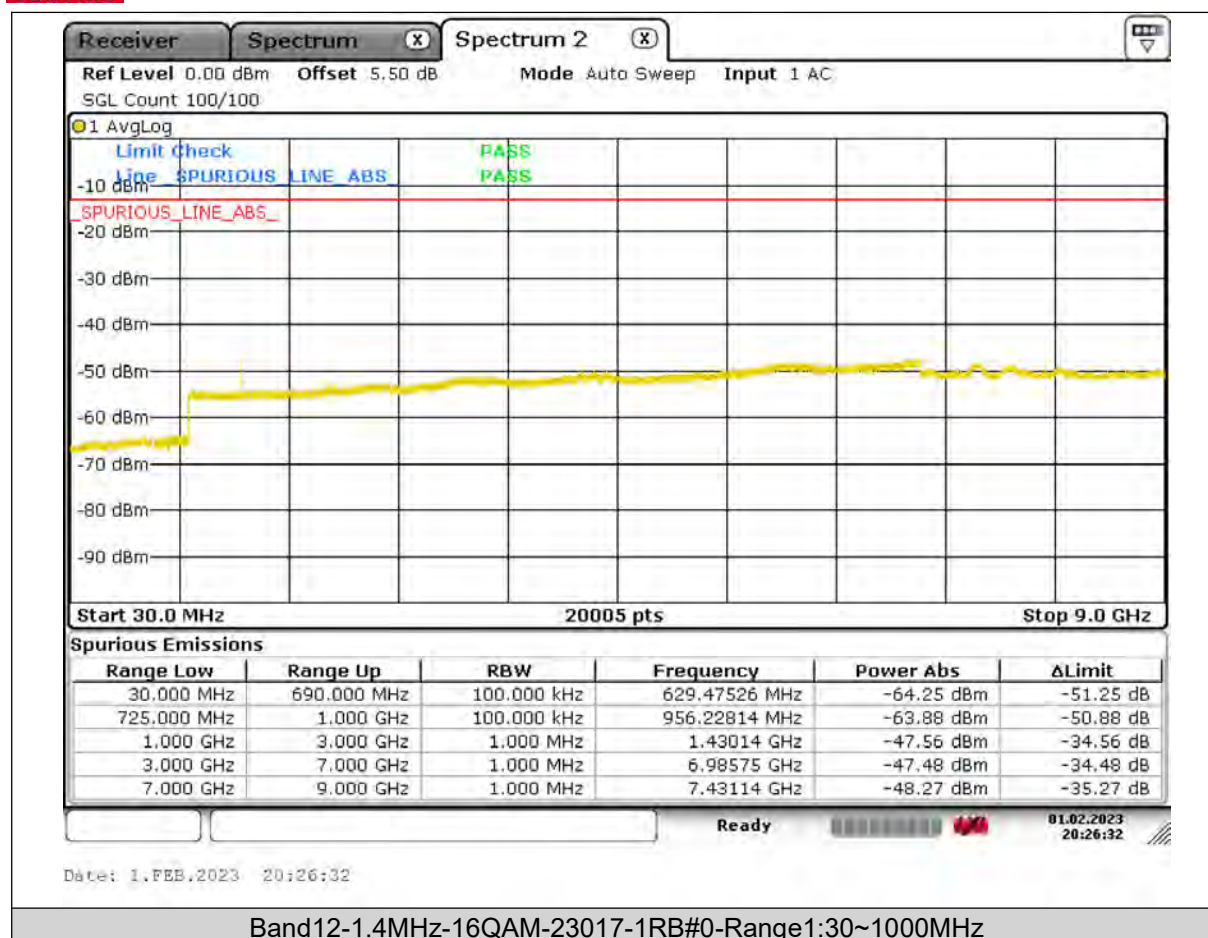
Test Report No.: W7L-P23010004-2RF03





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VERITAS

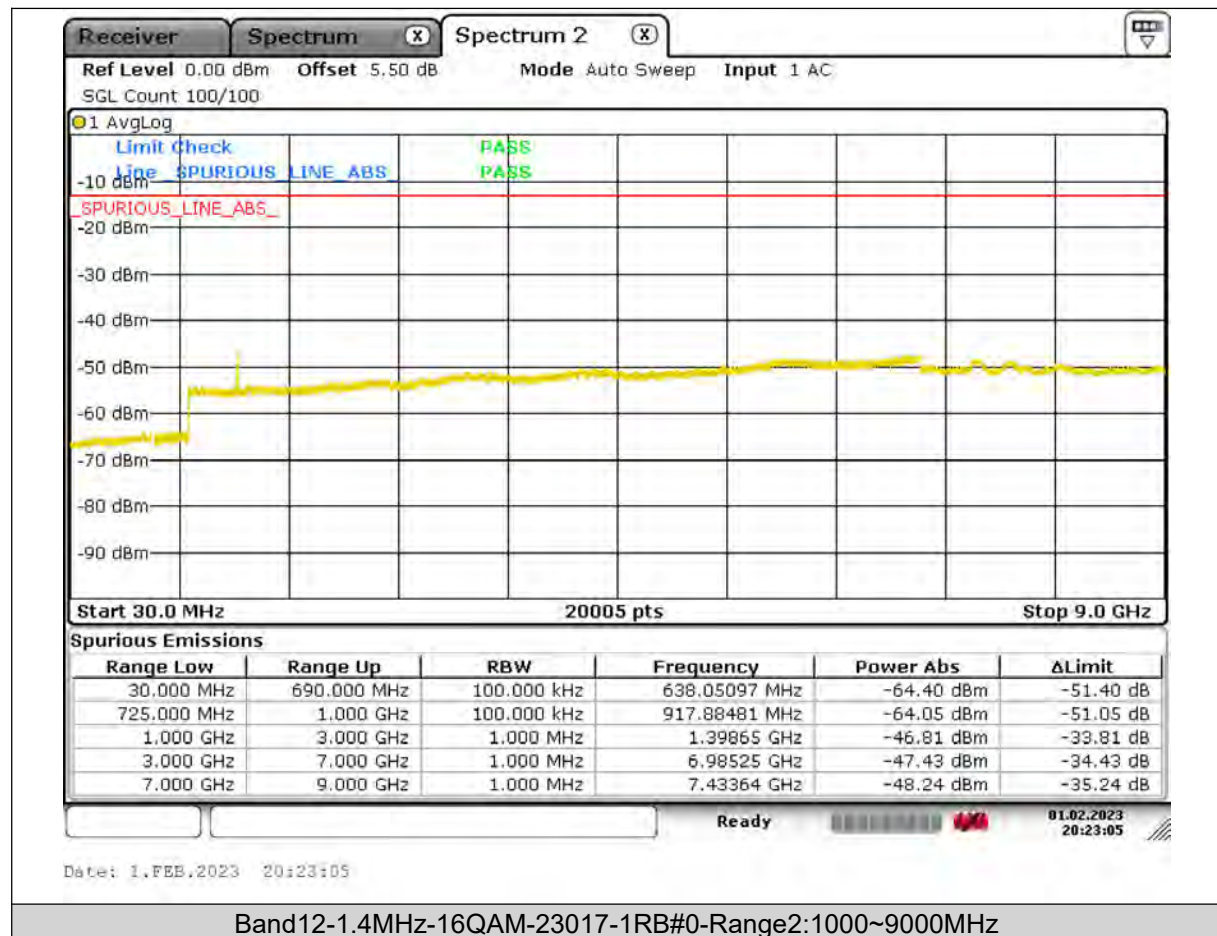
Test Report No.: W7L-P23010004-2RF03





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VERITAS

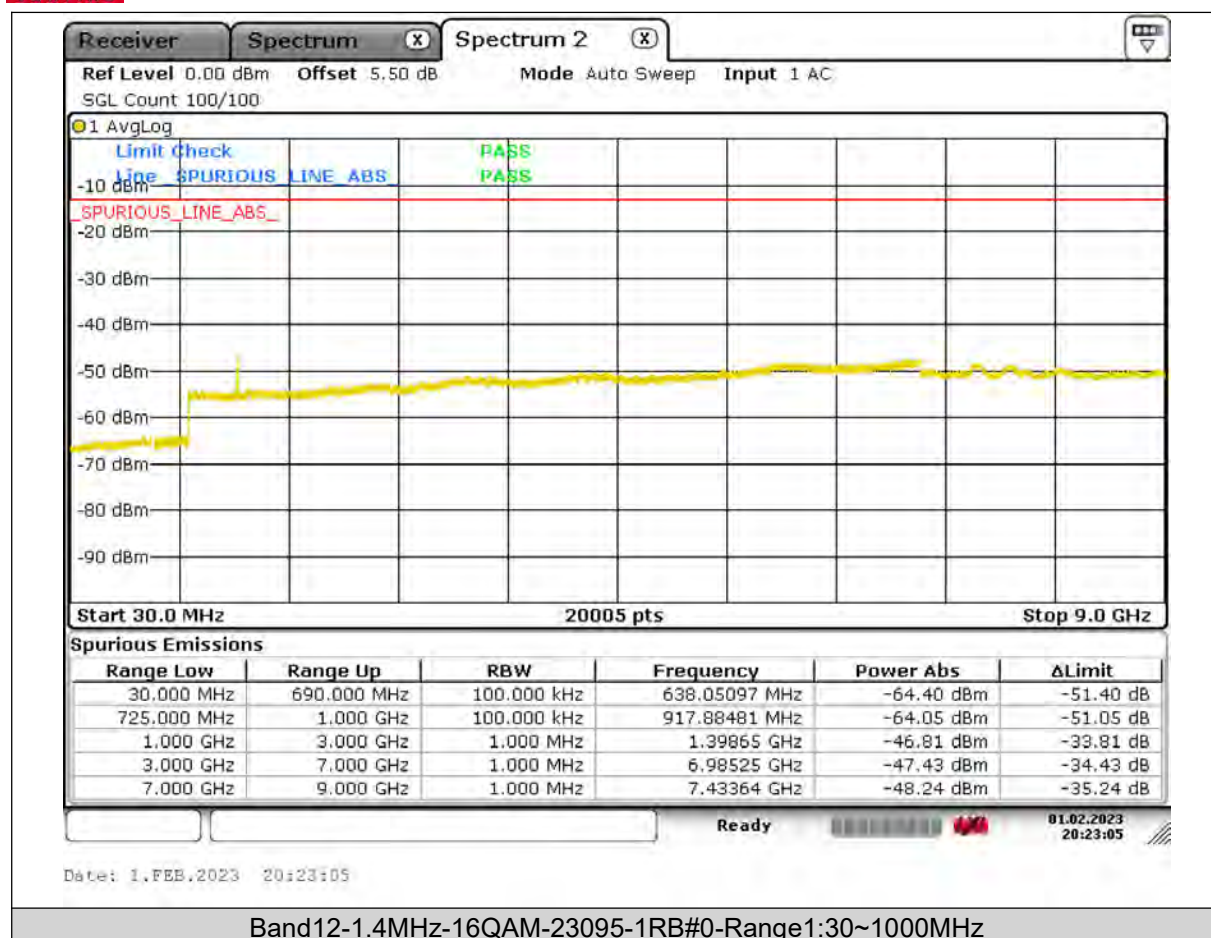
Test Report No.: W7L-P23010004-2RF03





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VERITAS

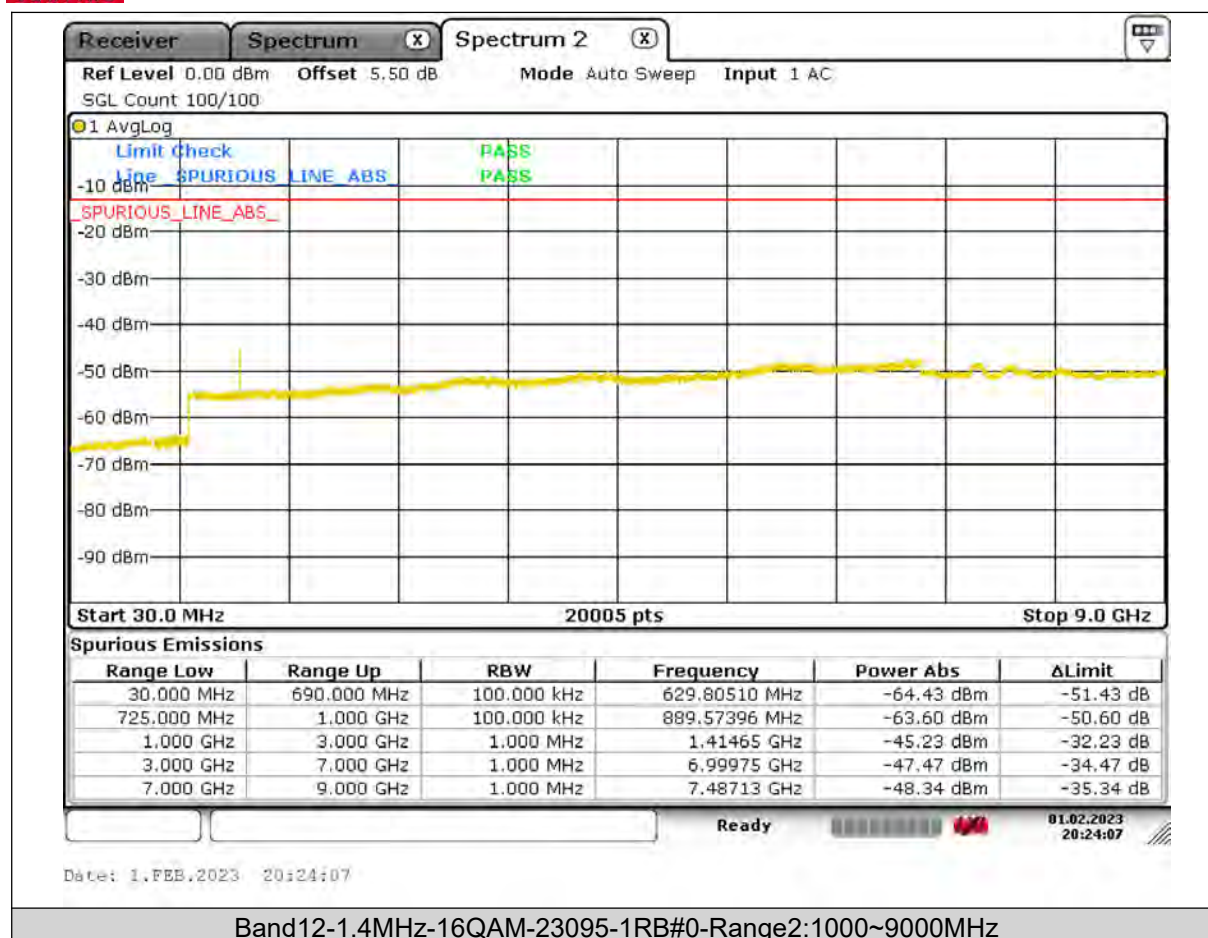
Test Report No.: W7L-P23010004-2RF03





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VERITAS

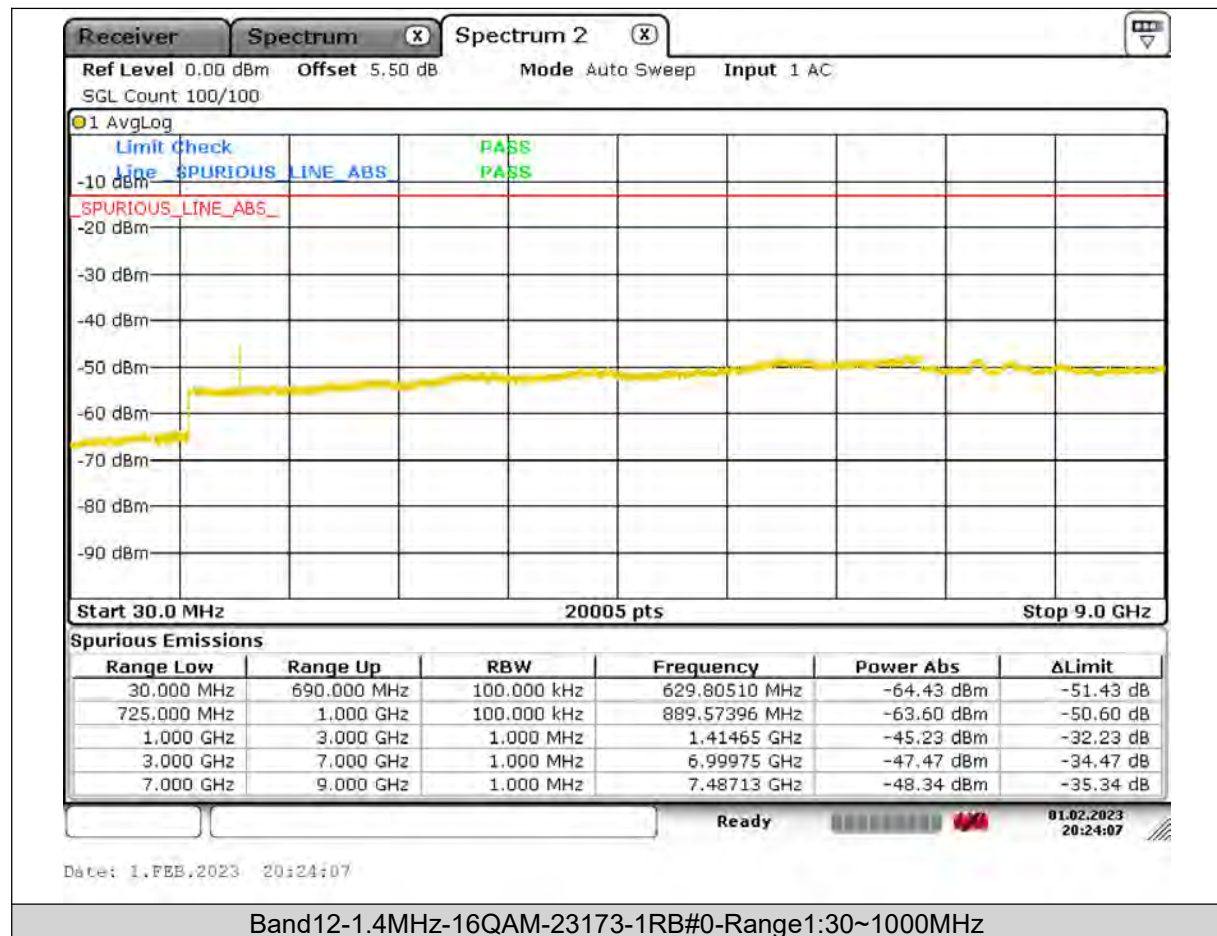
Test Report No.: W7L-P23010004-2RF03





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VERITAS

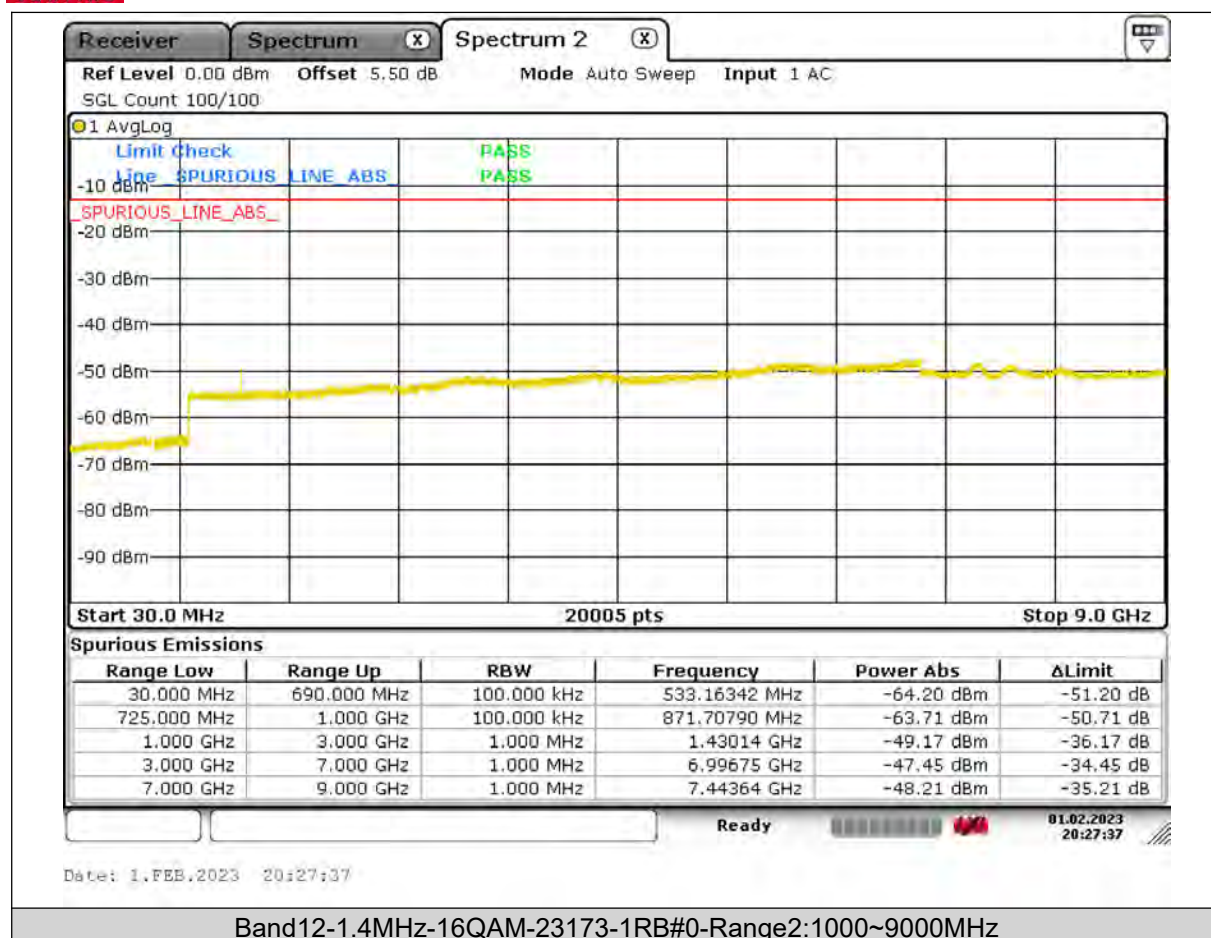
Test Report No.: W7L-P23010004-2RF03





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VERITAS

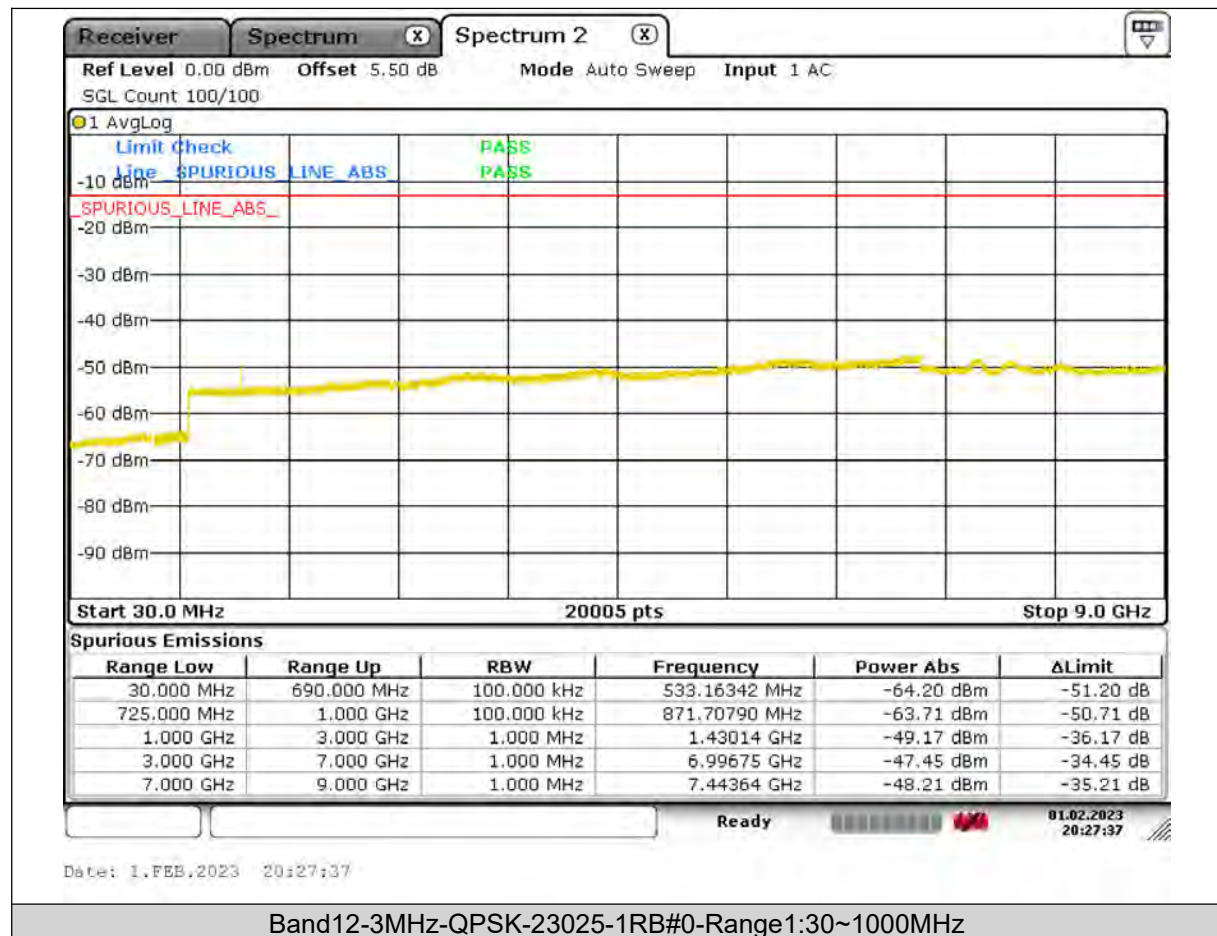
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VERITAS

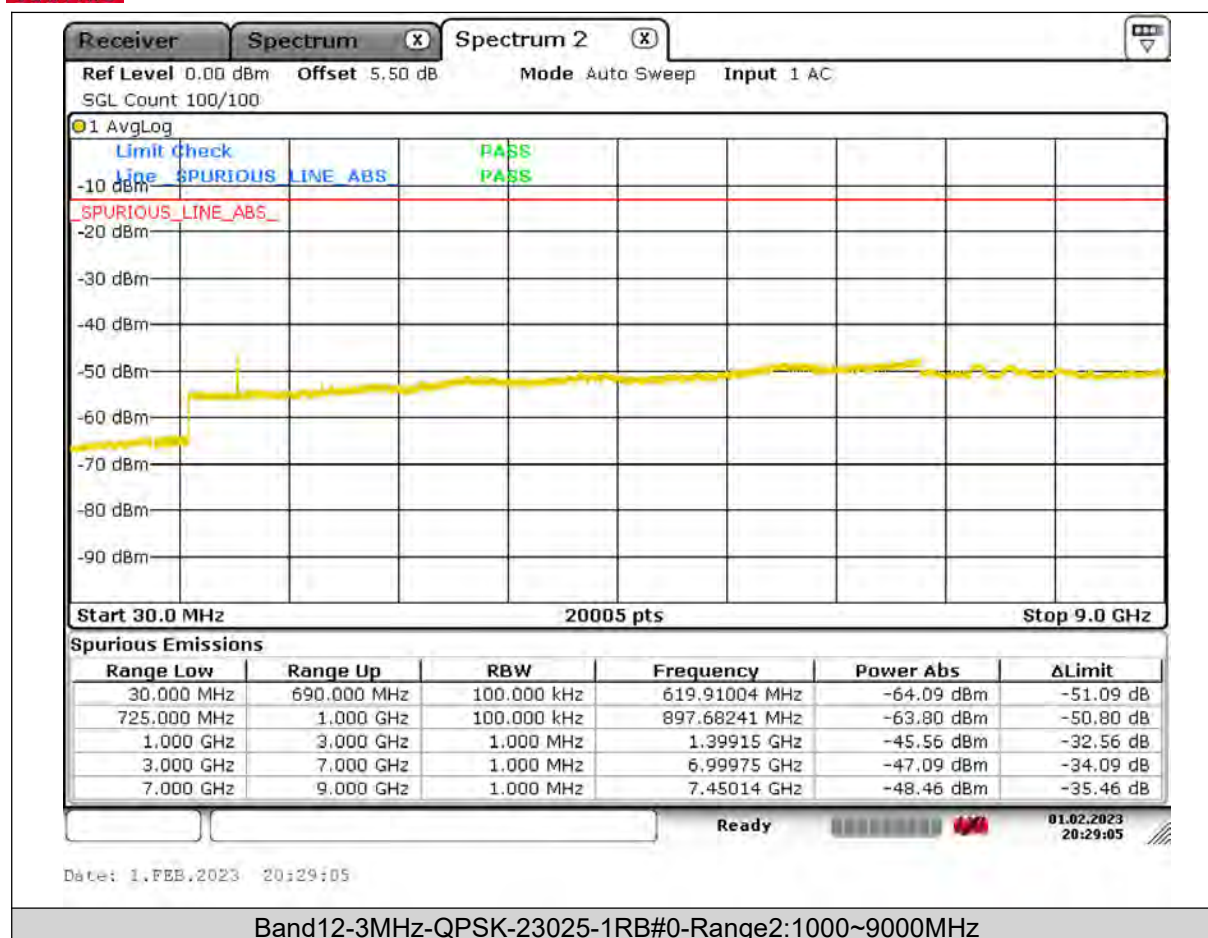
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VERITAS

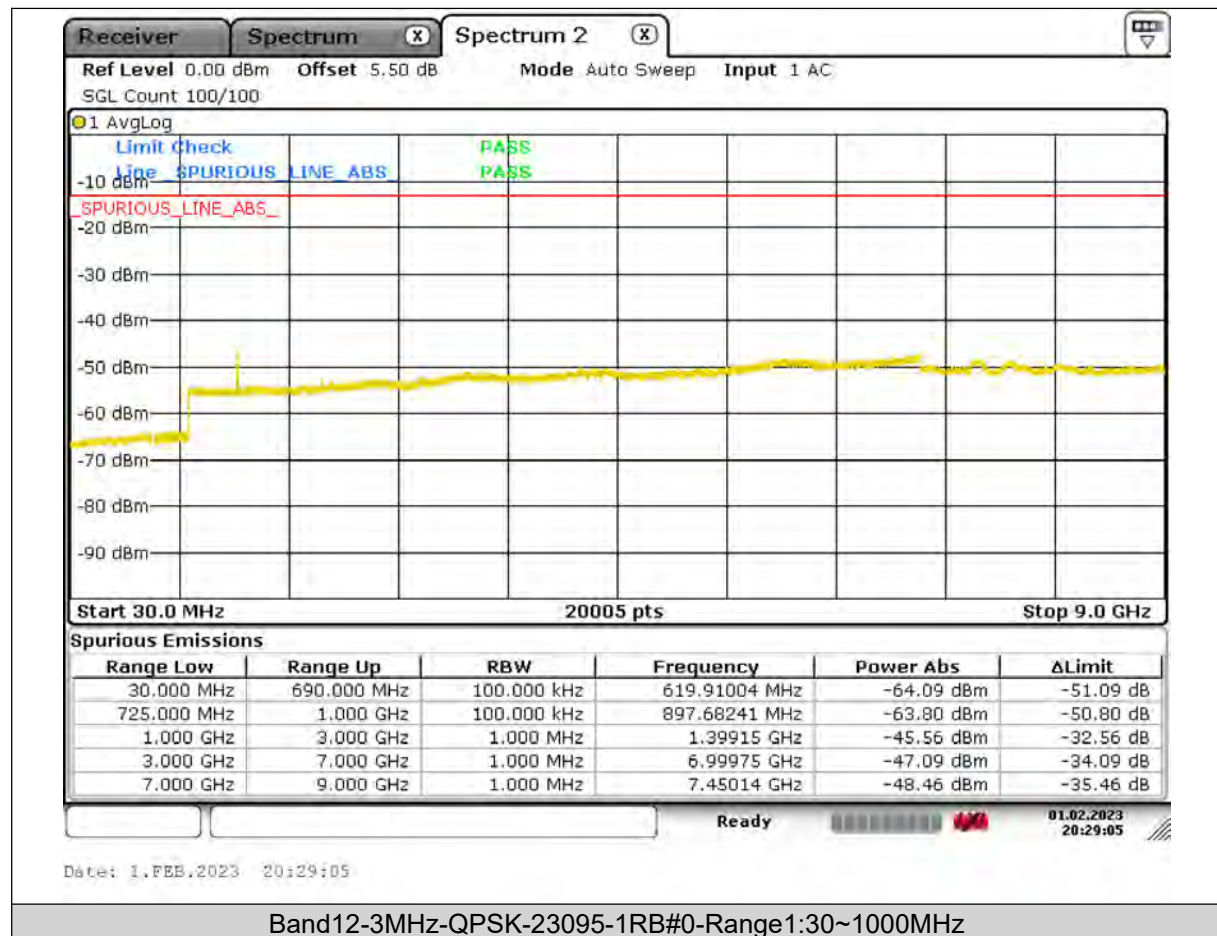
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VERITAS

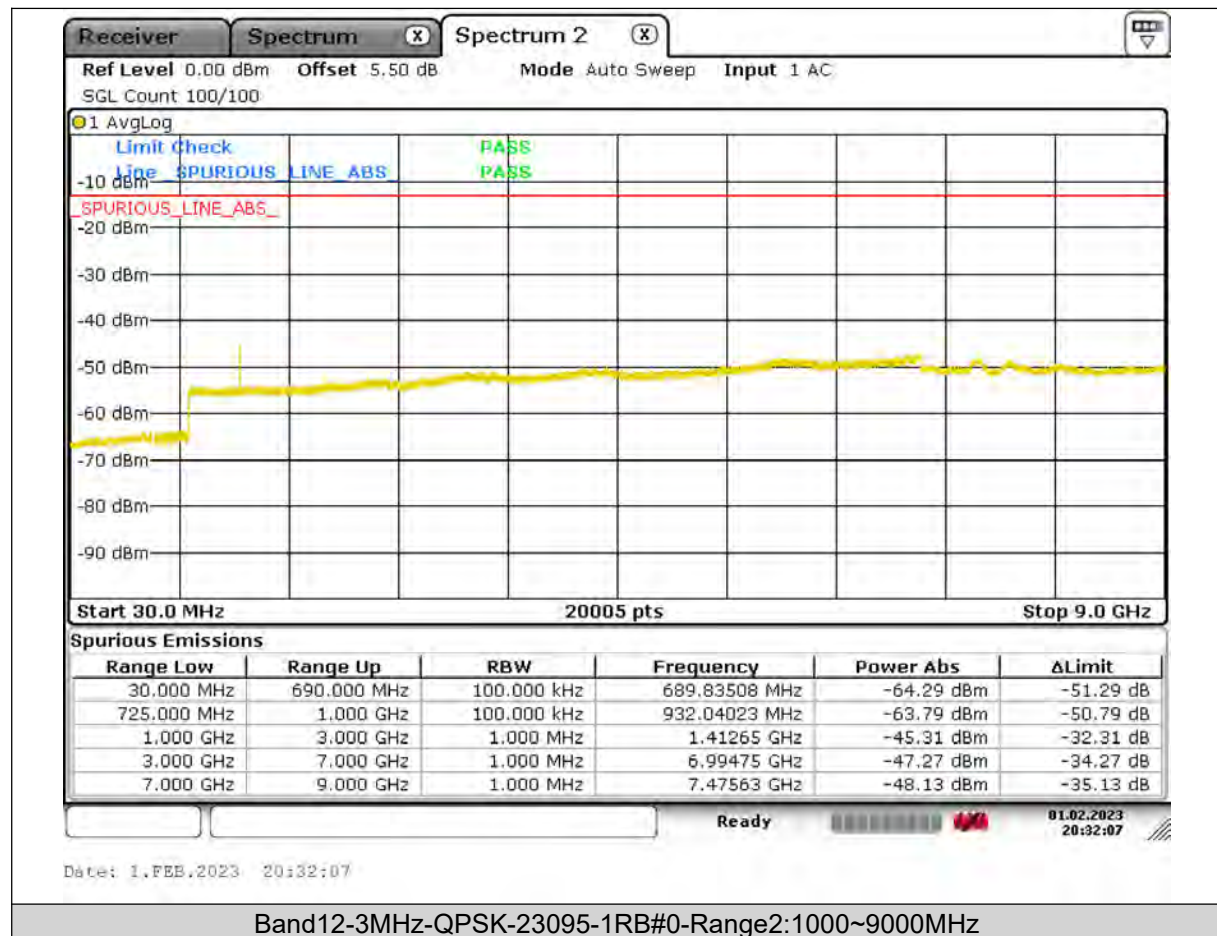
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VERITAS

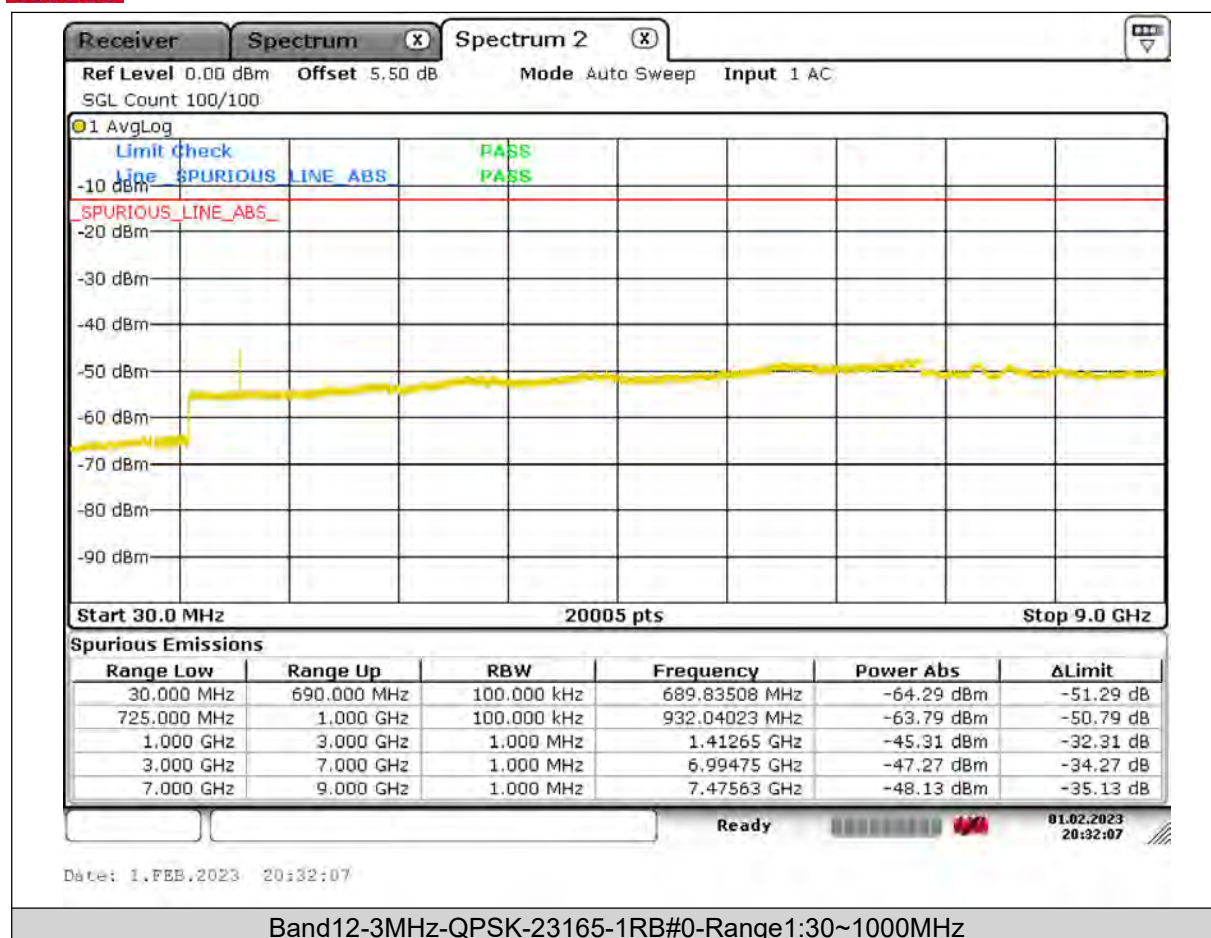
Test Report No.: W7L-P23010004-2RF03





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VERITAS

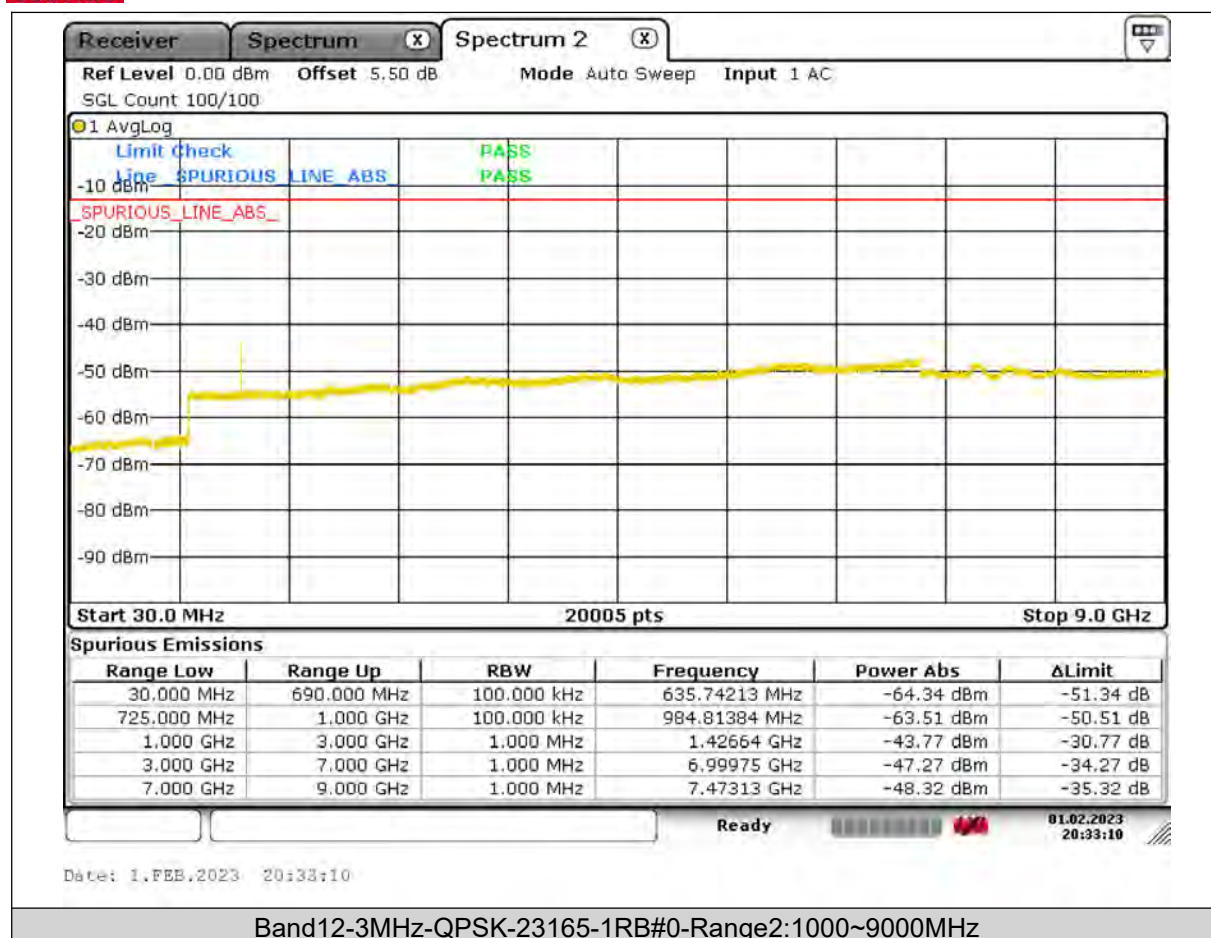
Test Report No.: W7L-P23010004-2RF03





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VERITAS

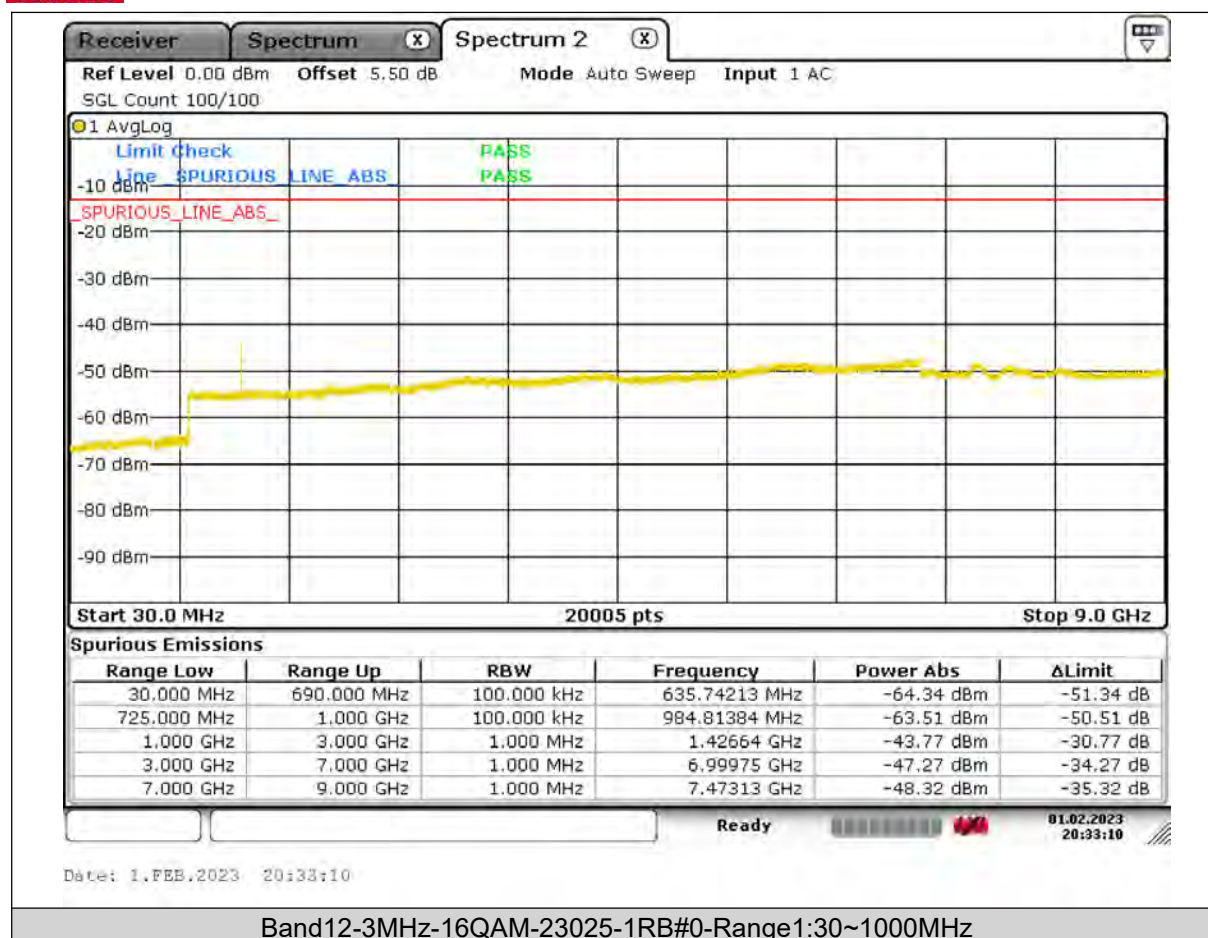
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VERITAS

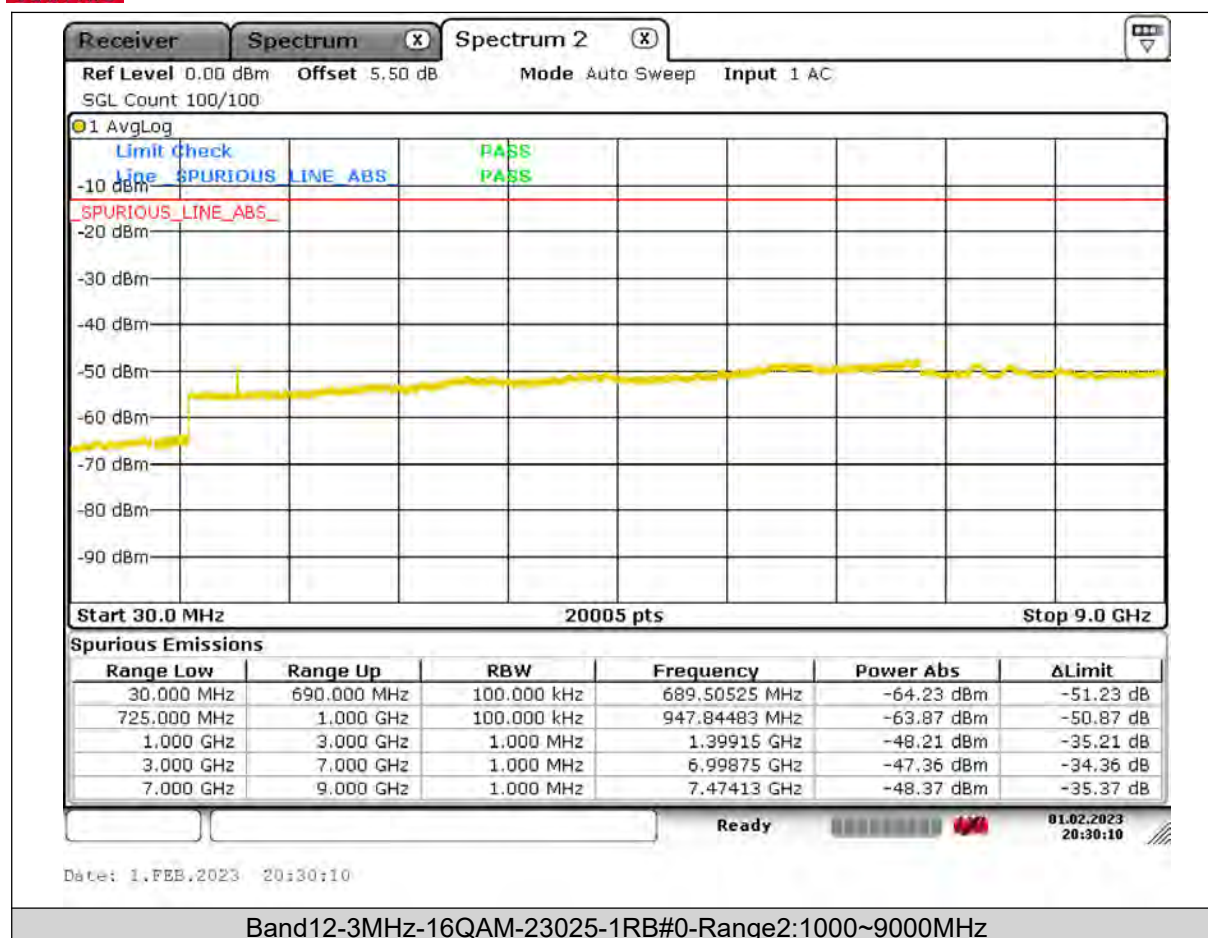
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VERITAS

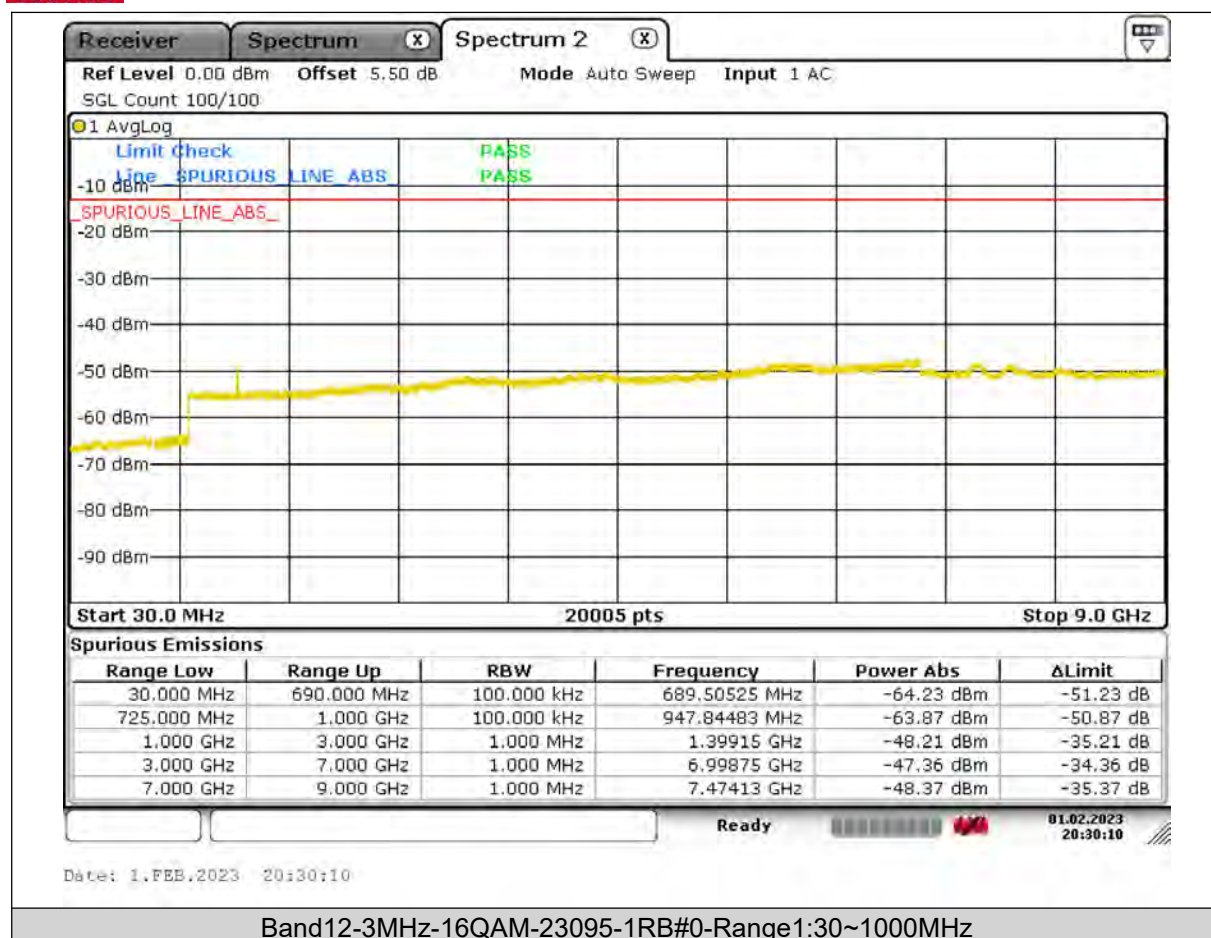
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VERITAS

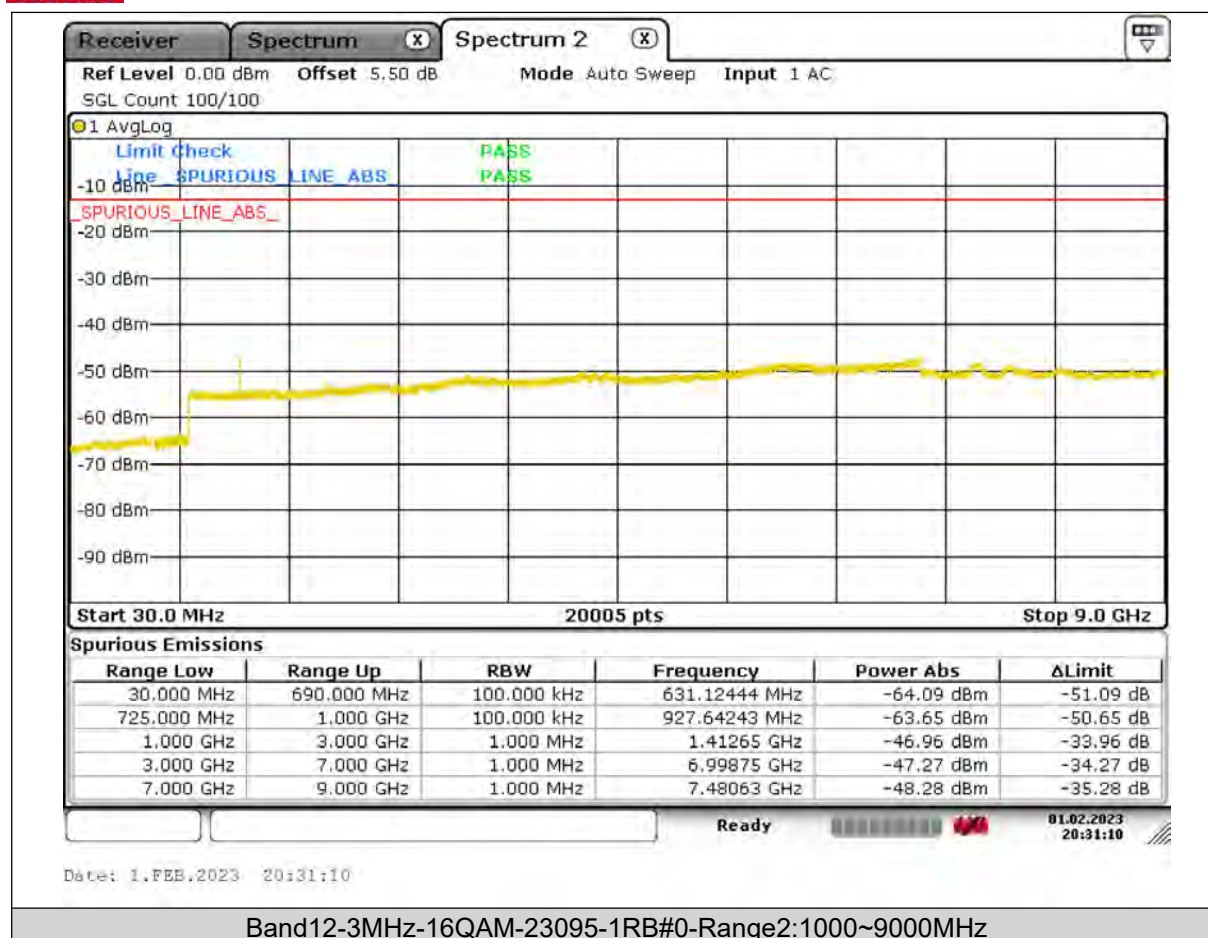
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

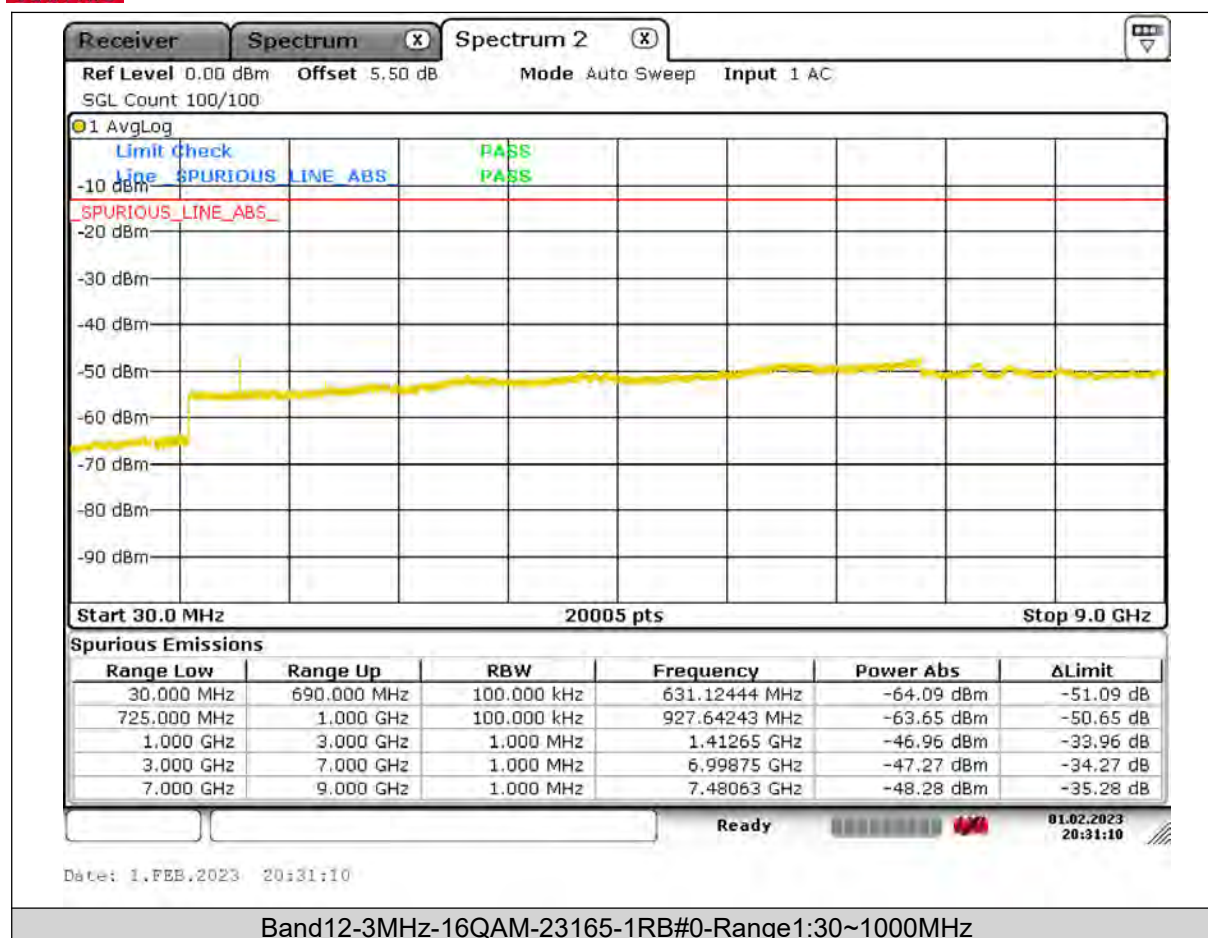
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

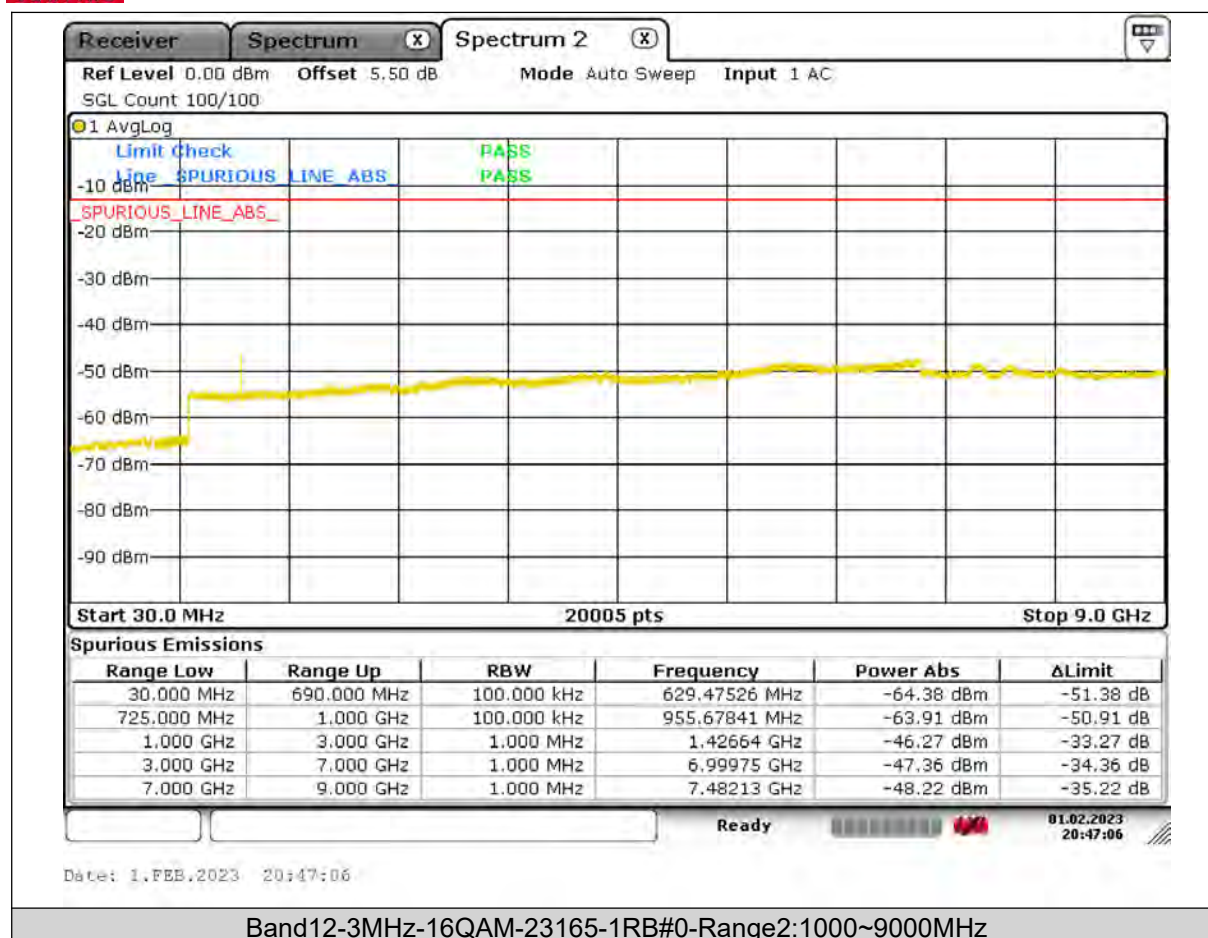
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

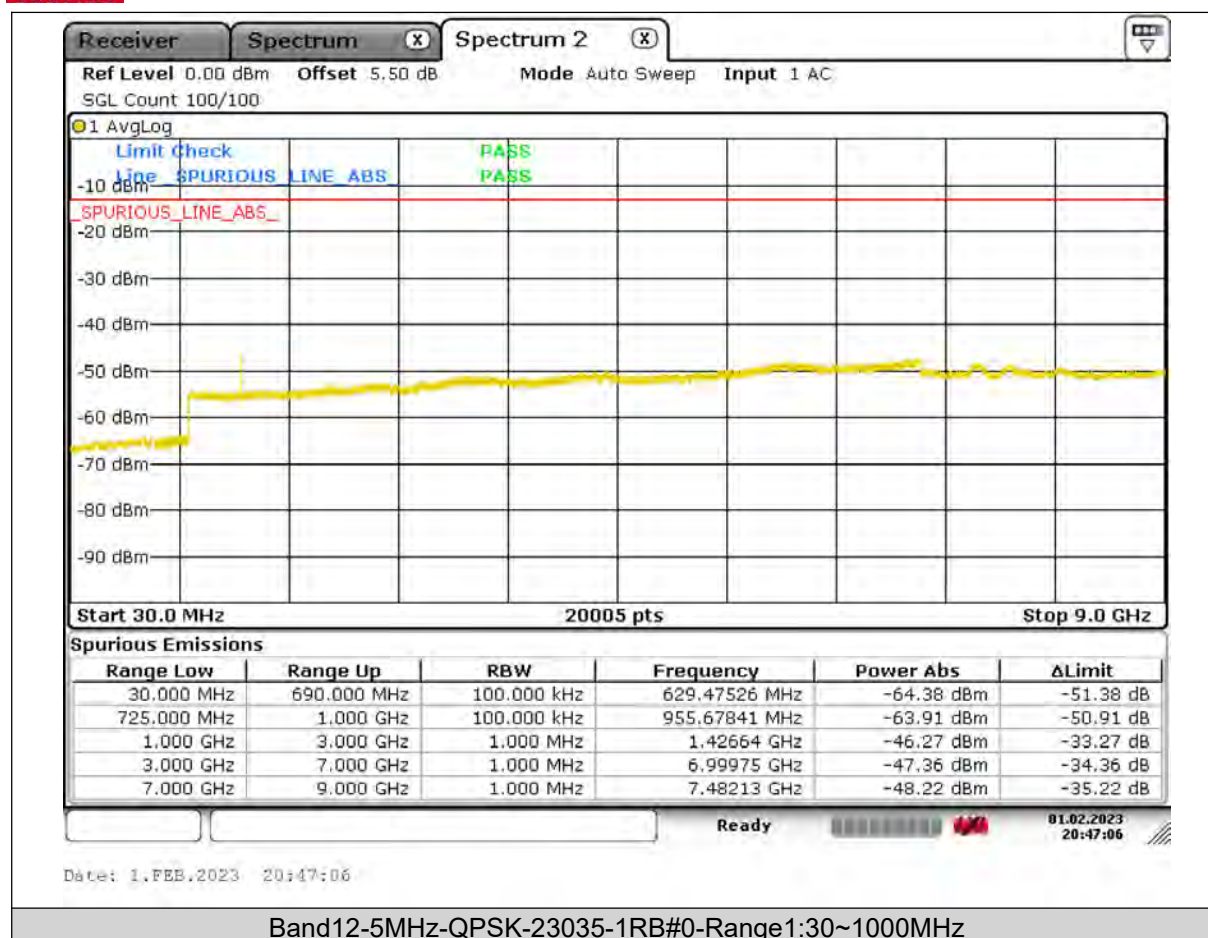
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

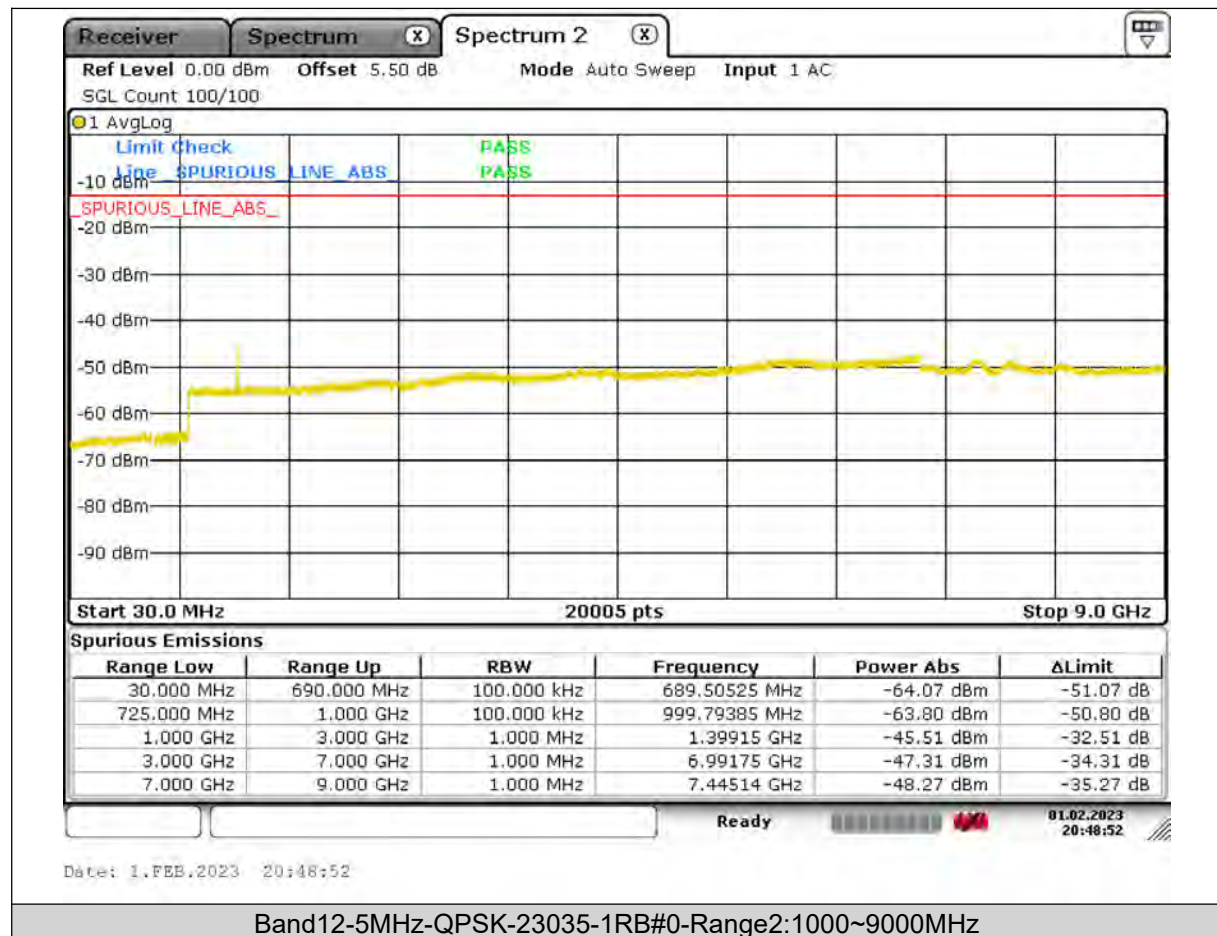
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VERITAS

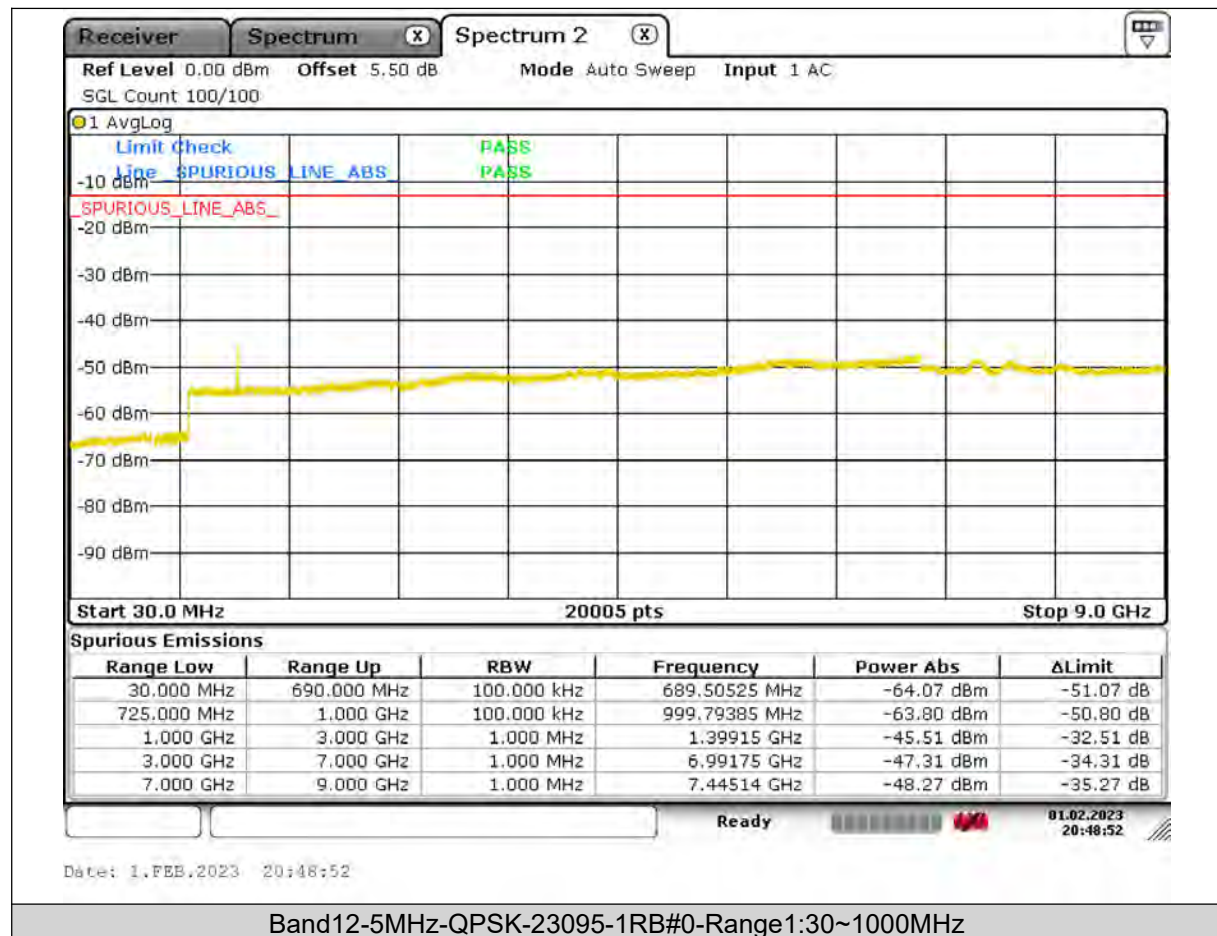
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VERITAS

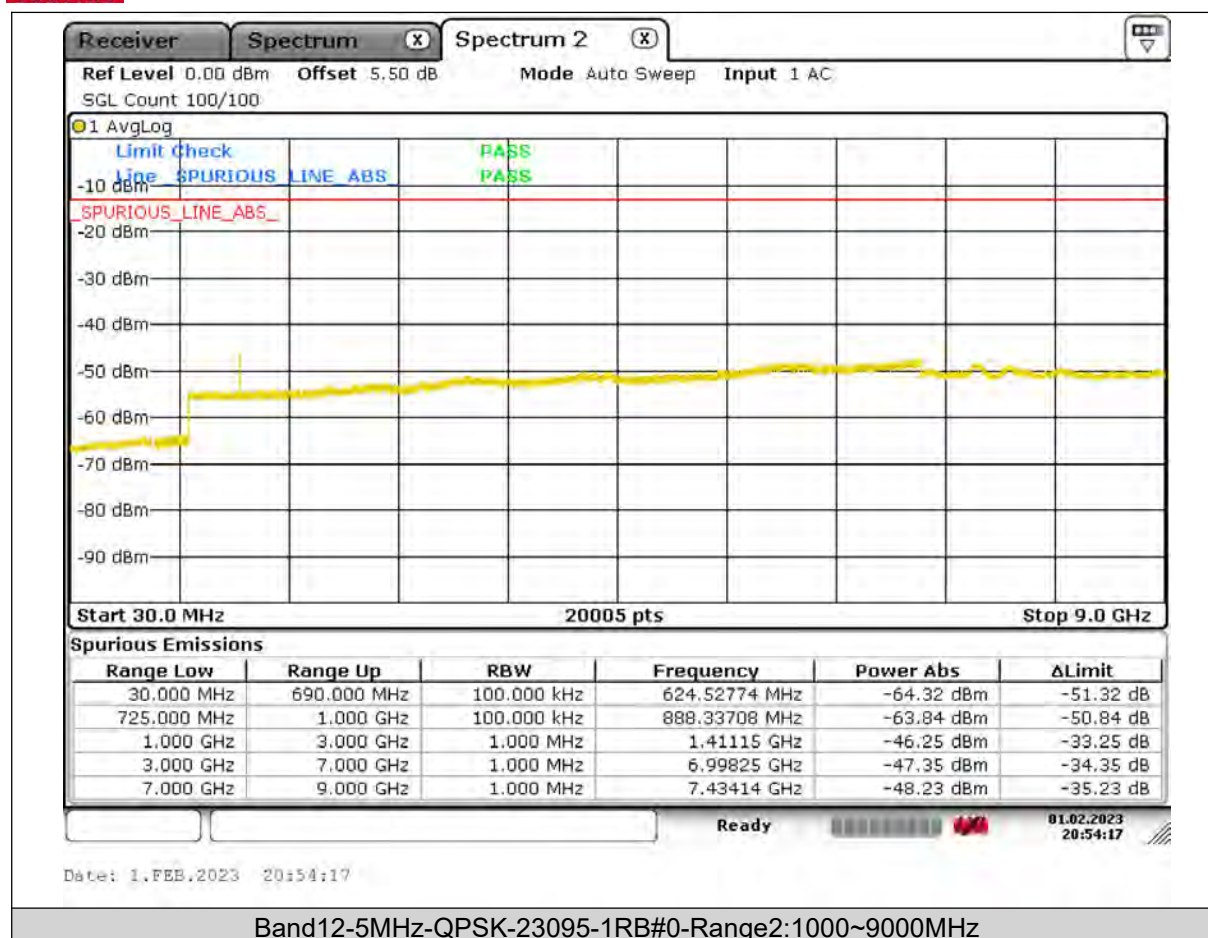
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VERITAS

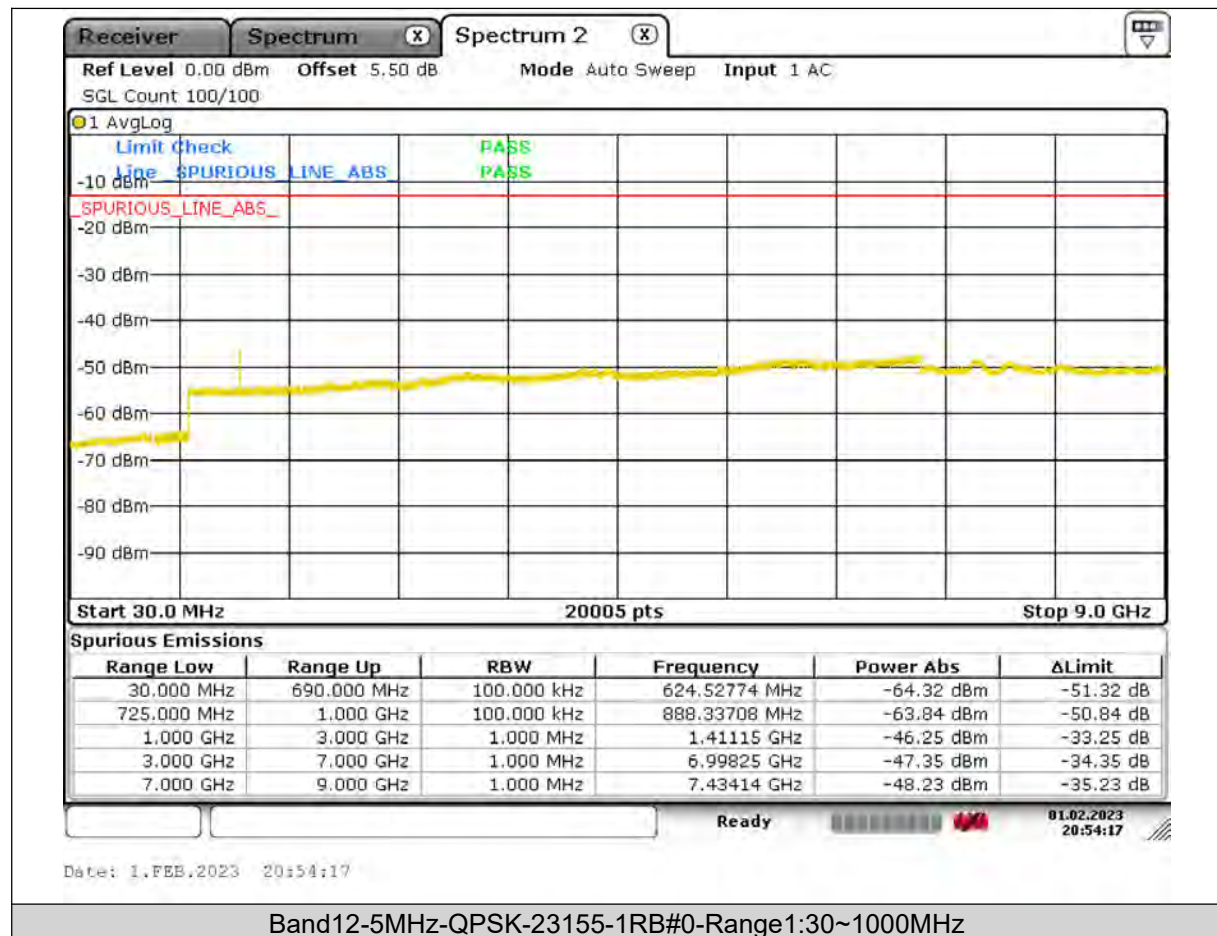
Test Report No.: W7L-P23010004-2RF03





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VERITAS

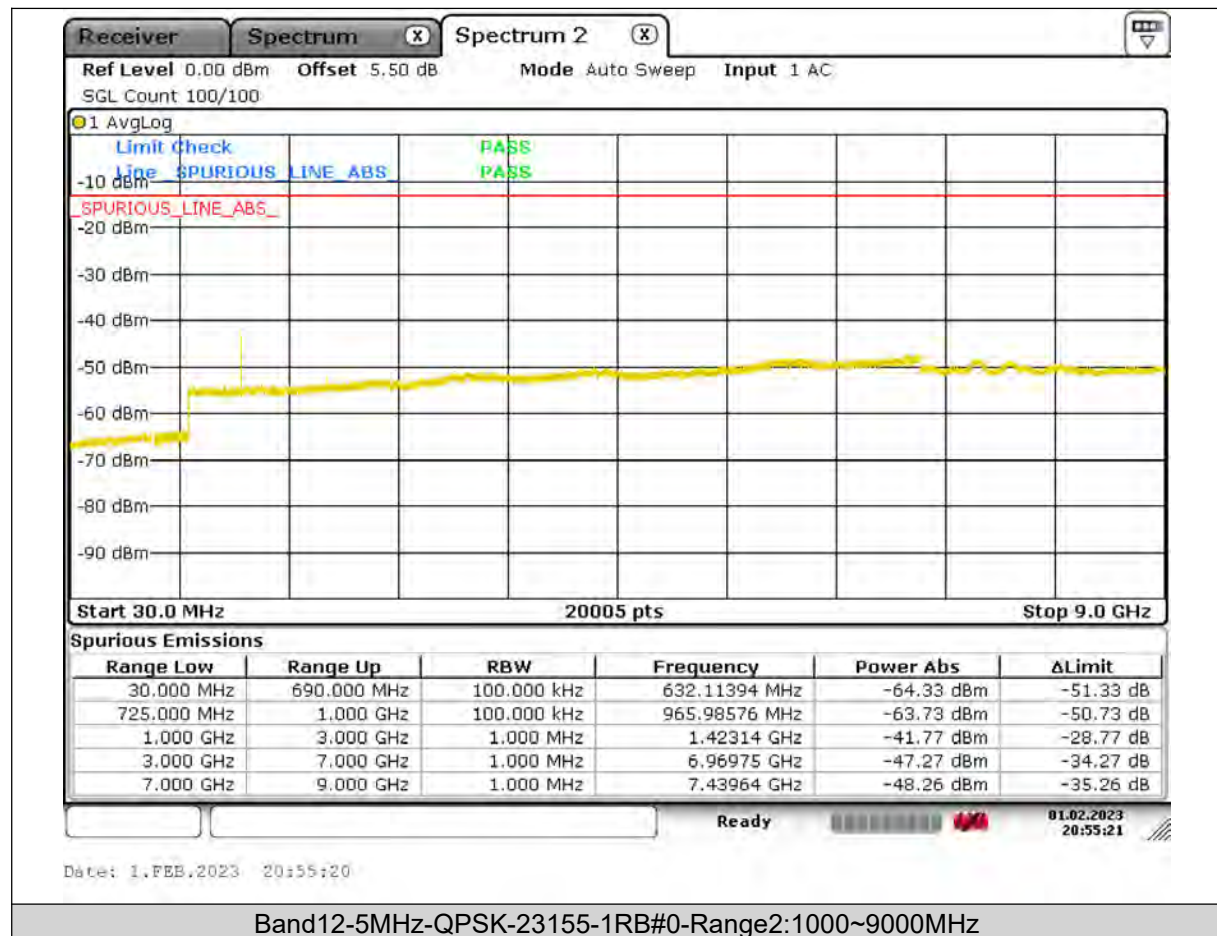
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

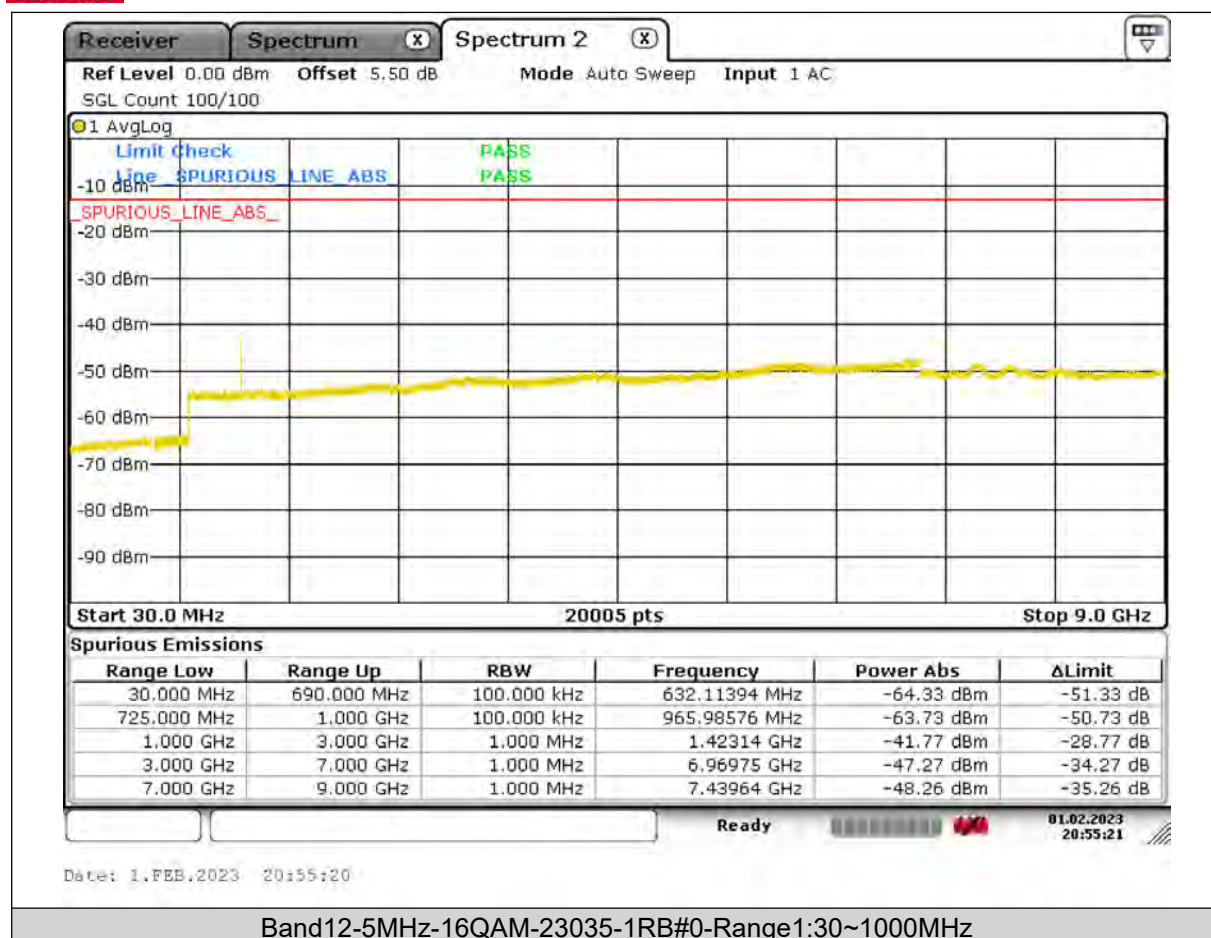
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VERITAS

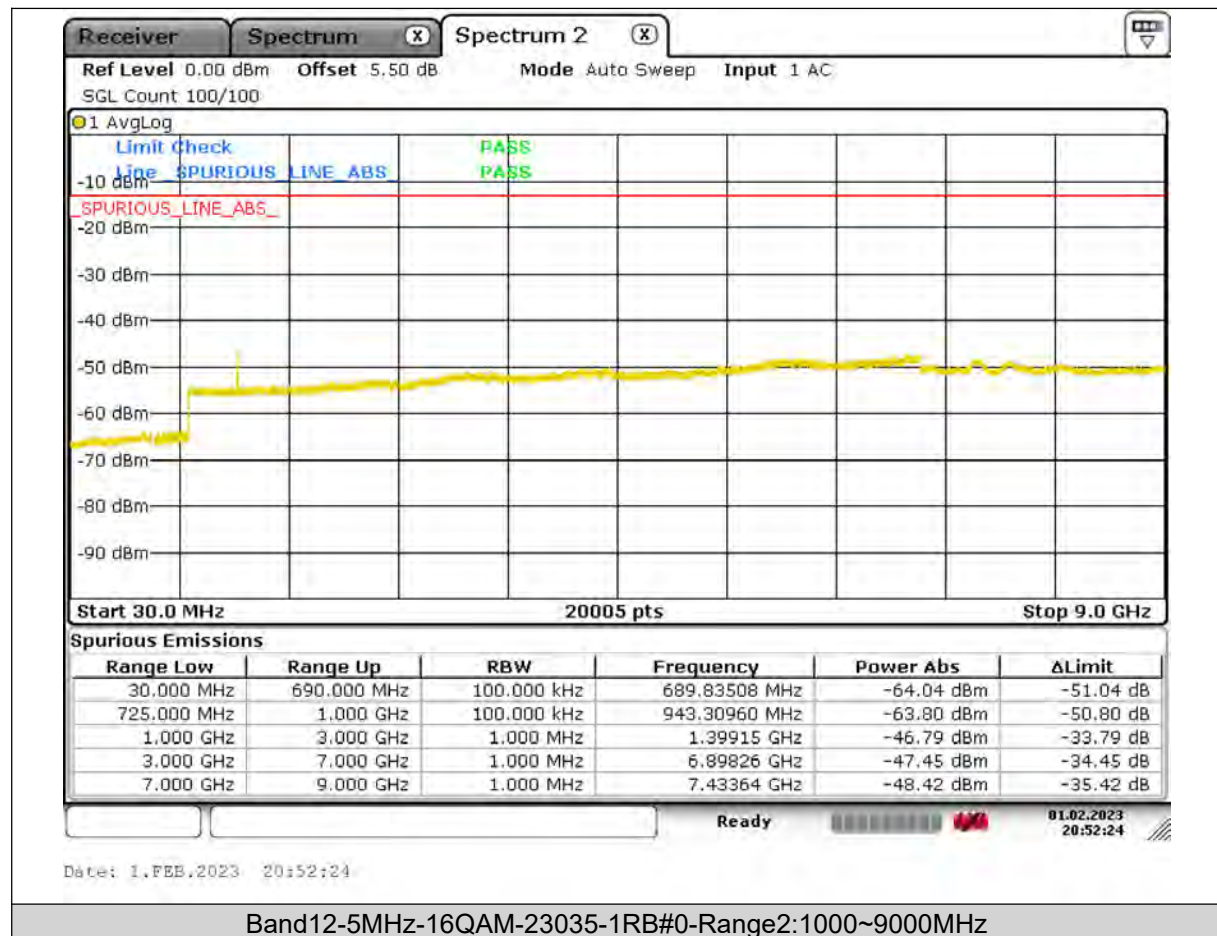
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BUREAU
VERITAS

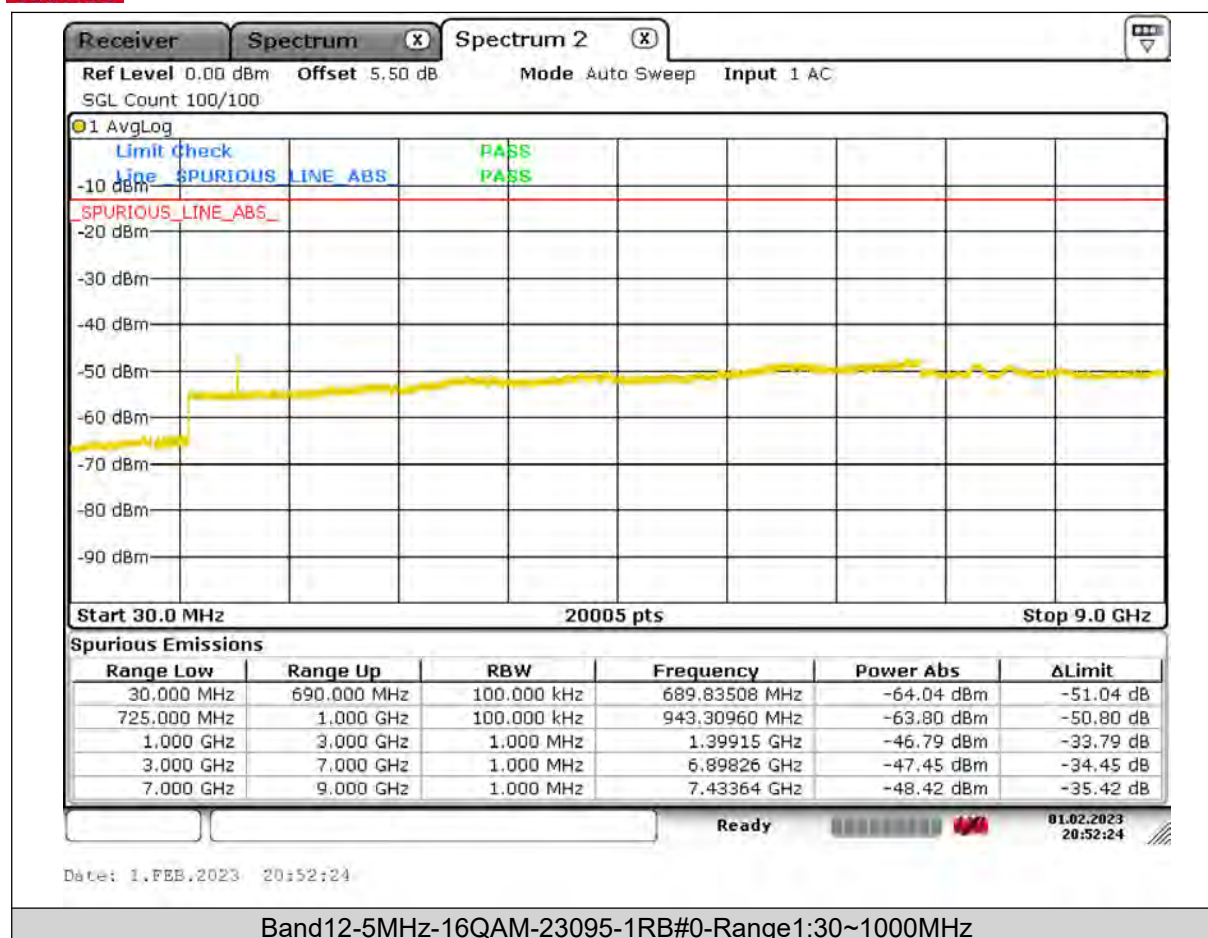
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

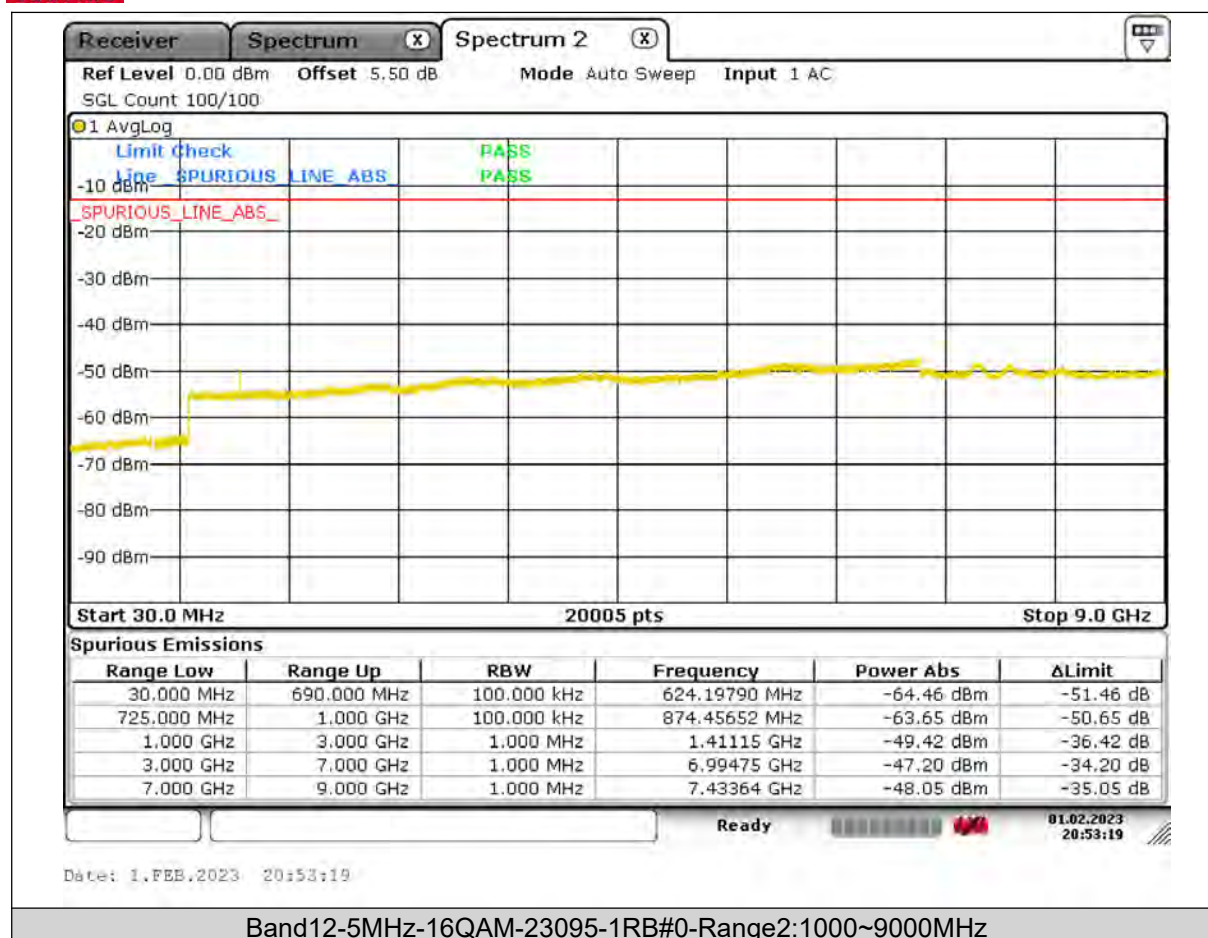
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

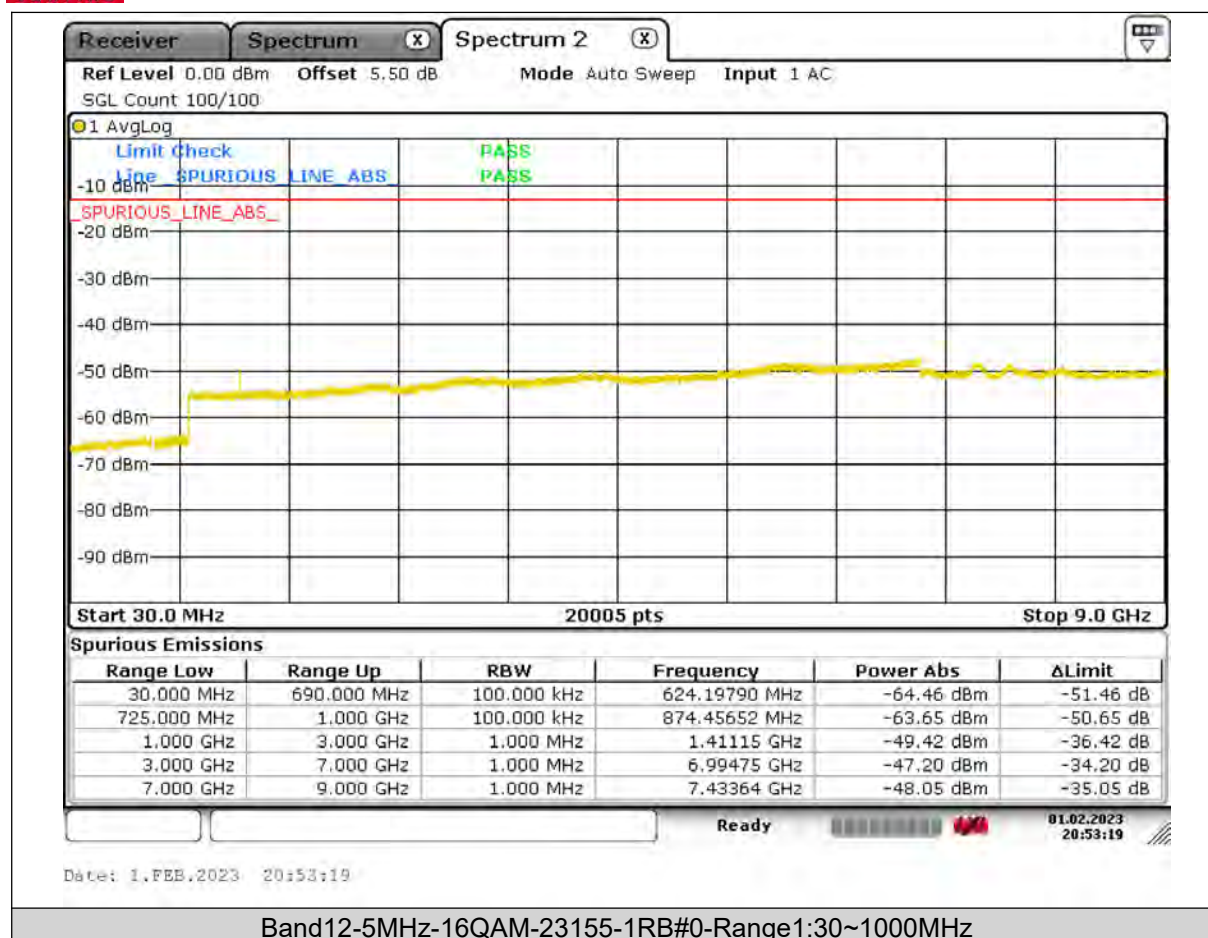
Test Report No.: W7L-P23010004-2RF03





BUREAU
VERITAS

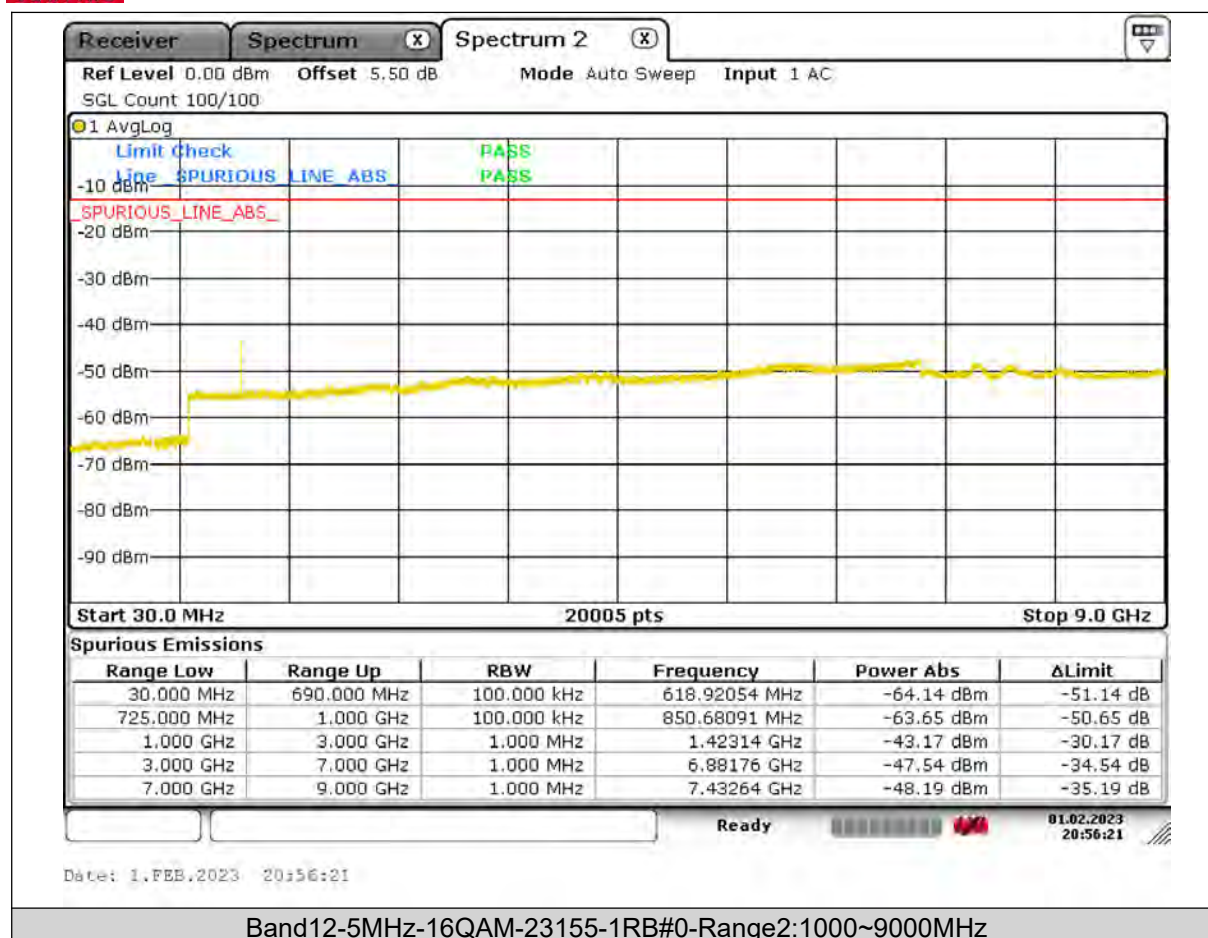
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VERITAS

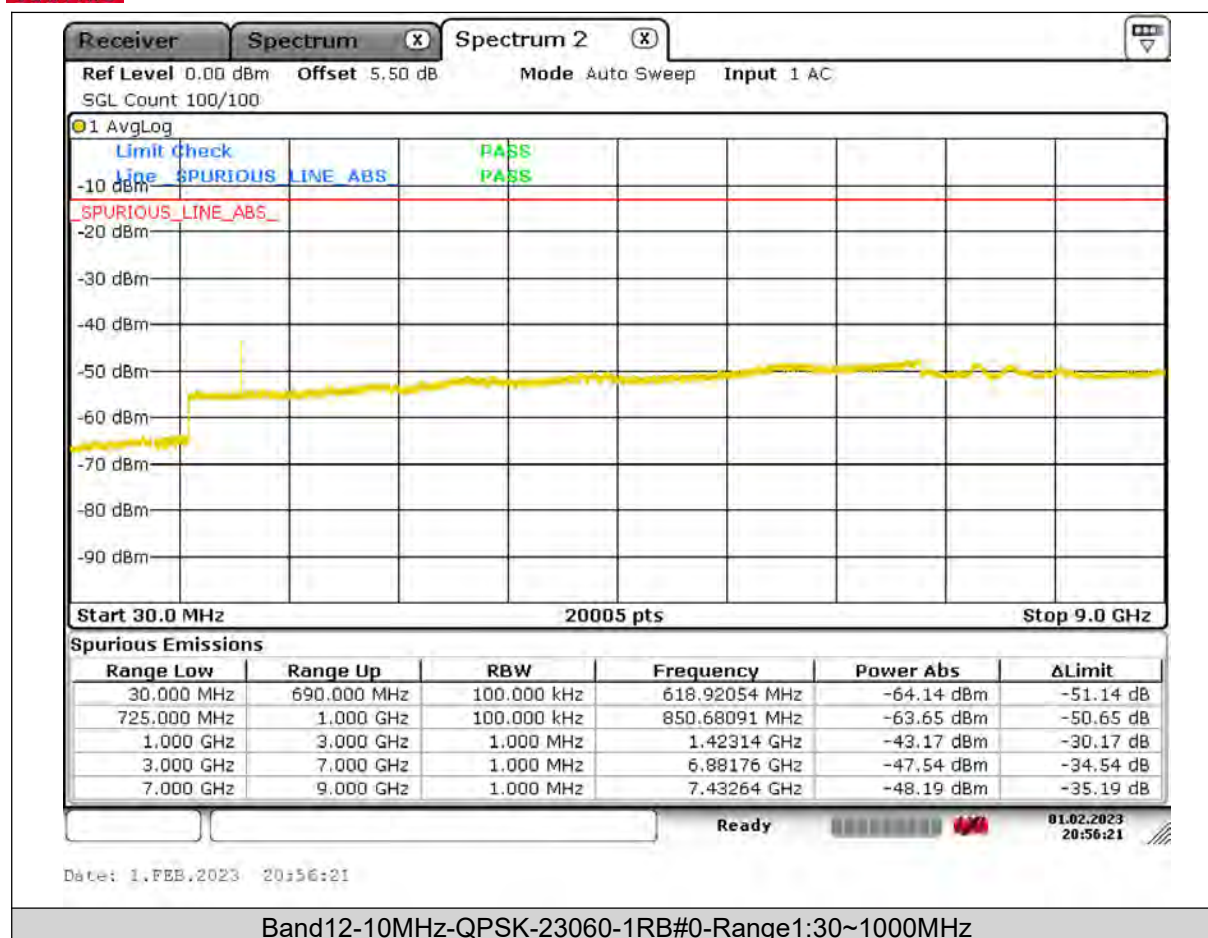
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VERITAS

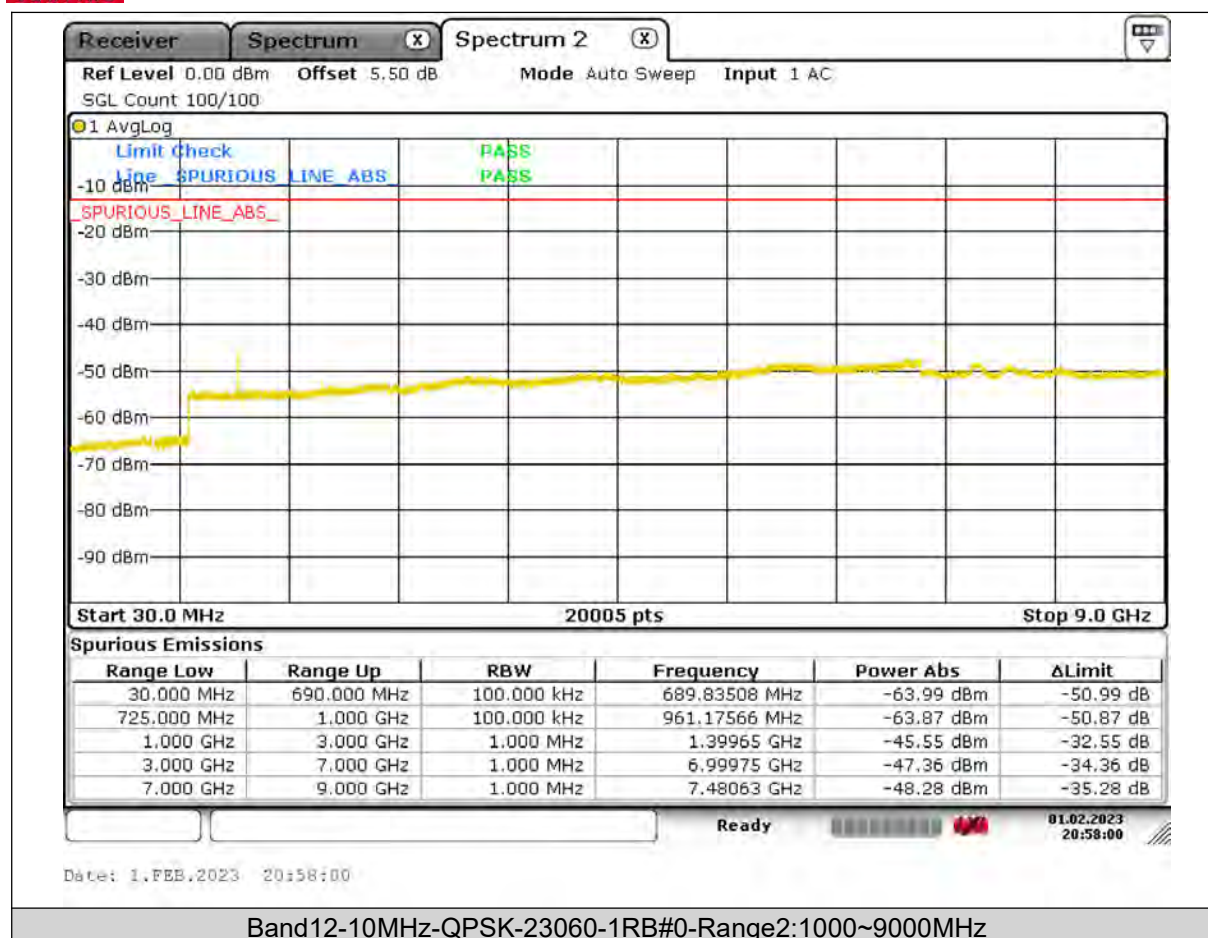
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VERITAS

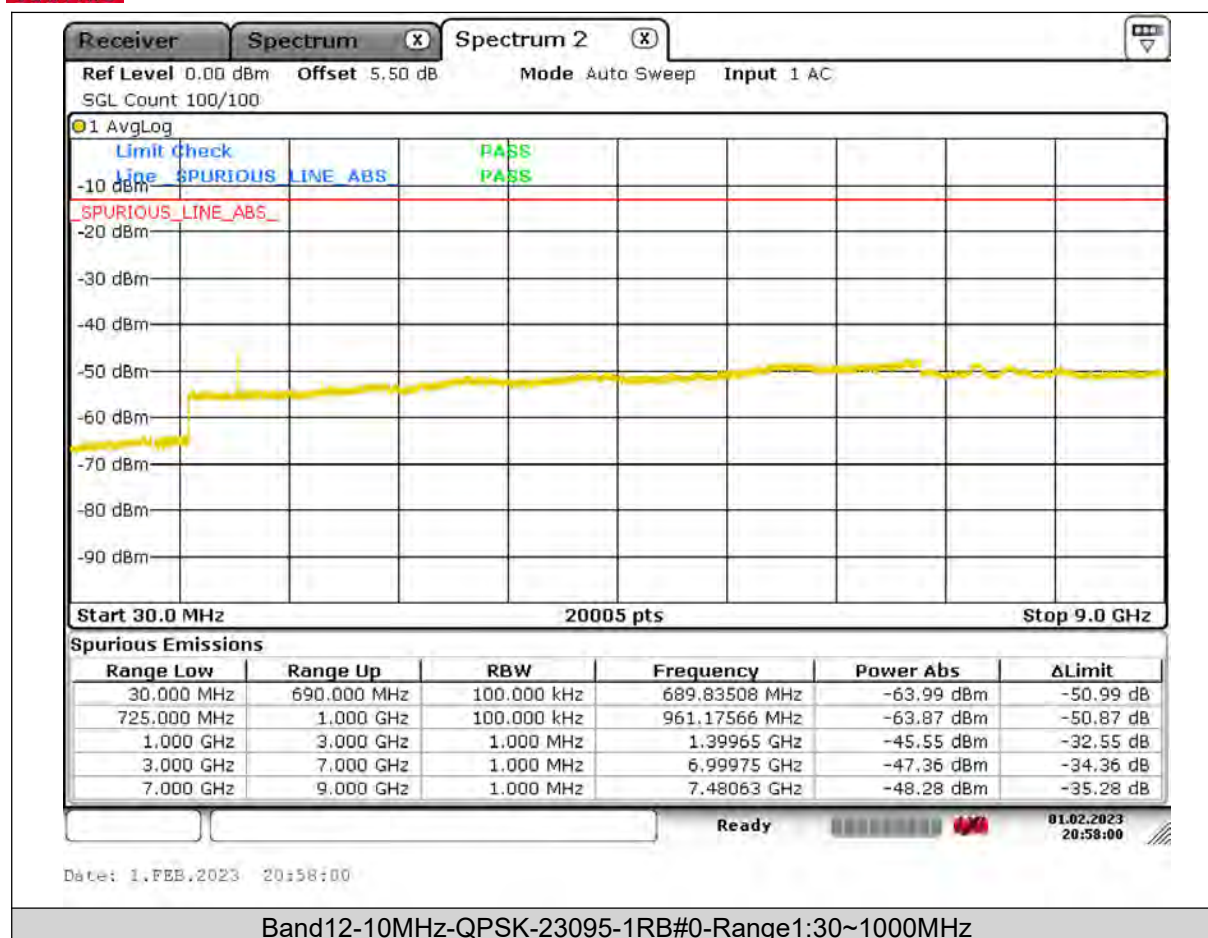
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BUREAU
VERITAS

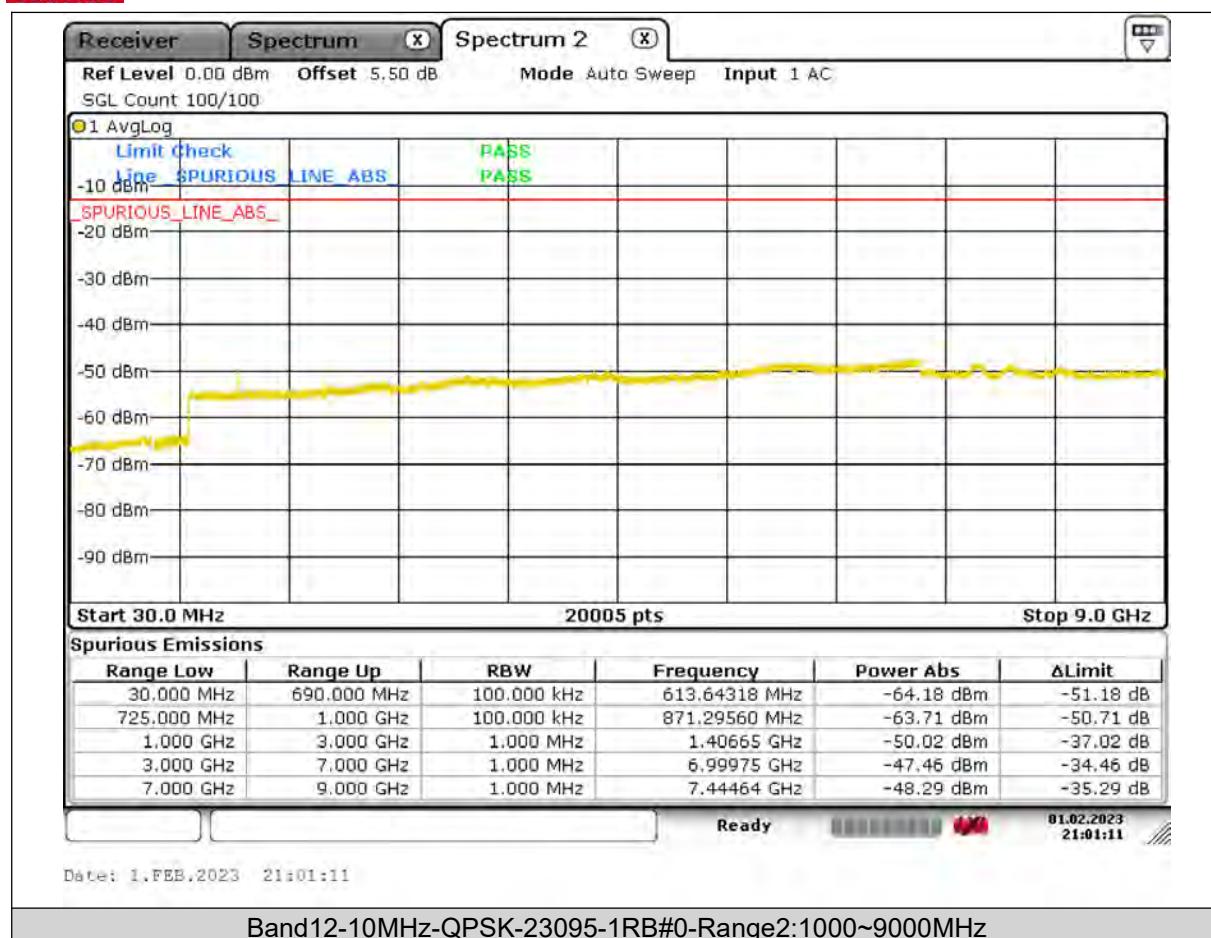
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VERITAS

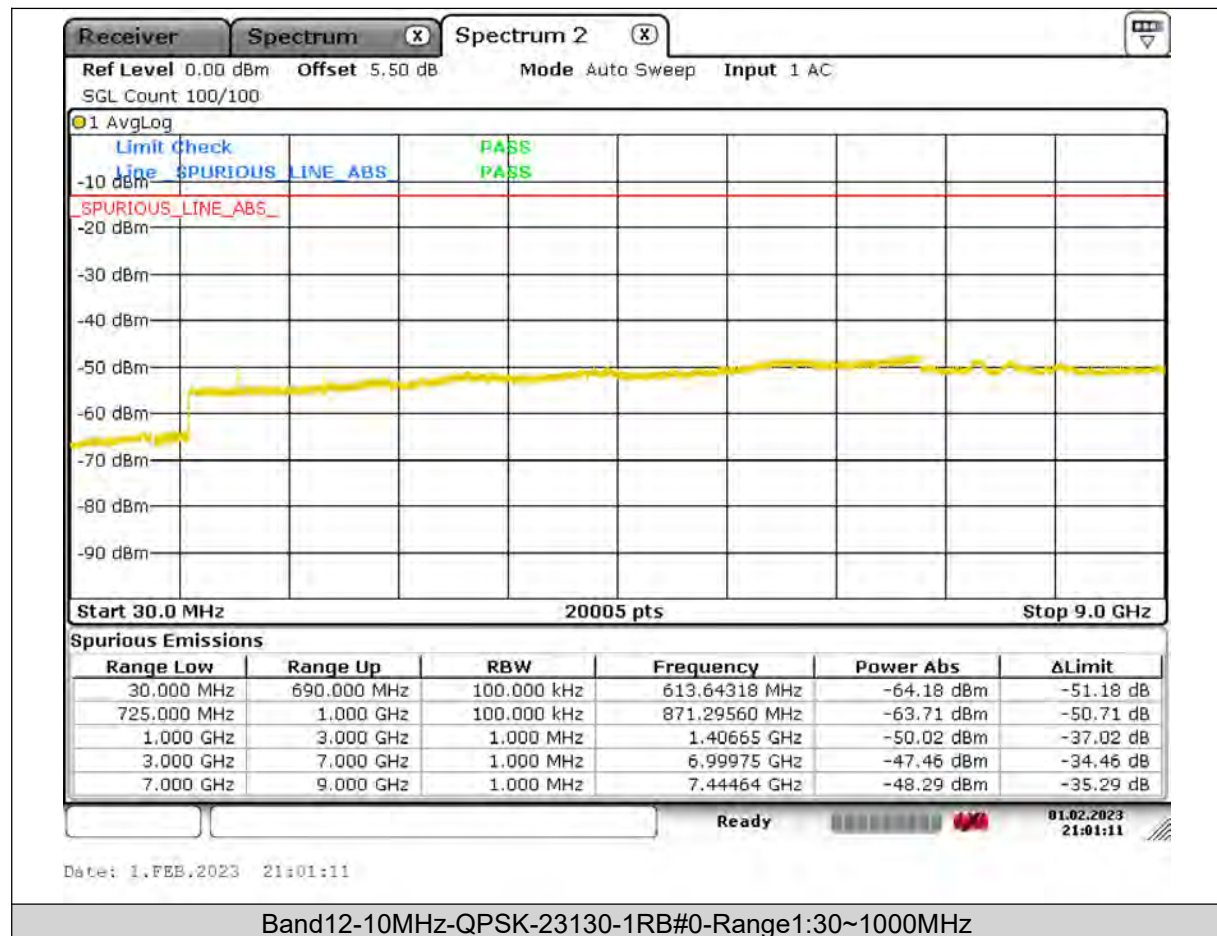
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VERITAS

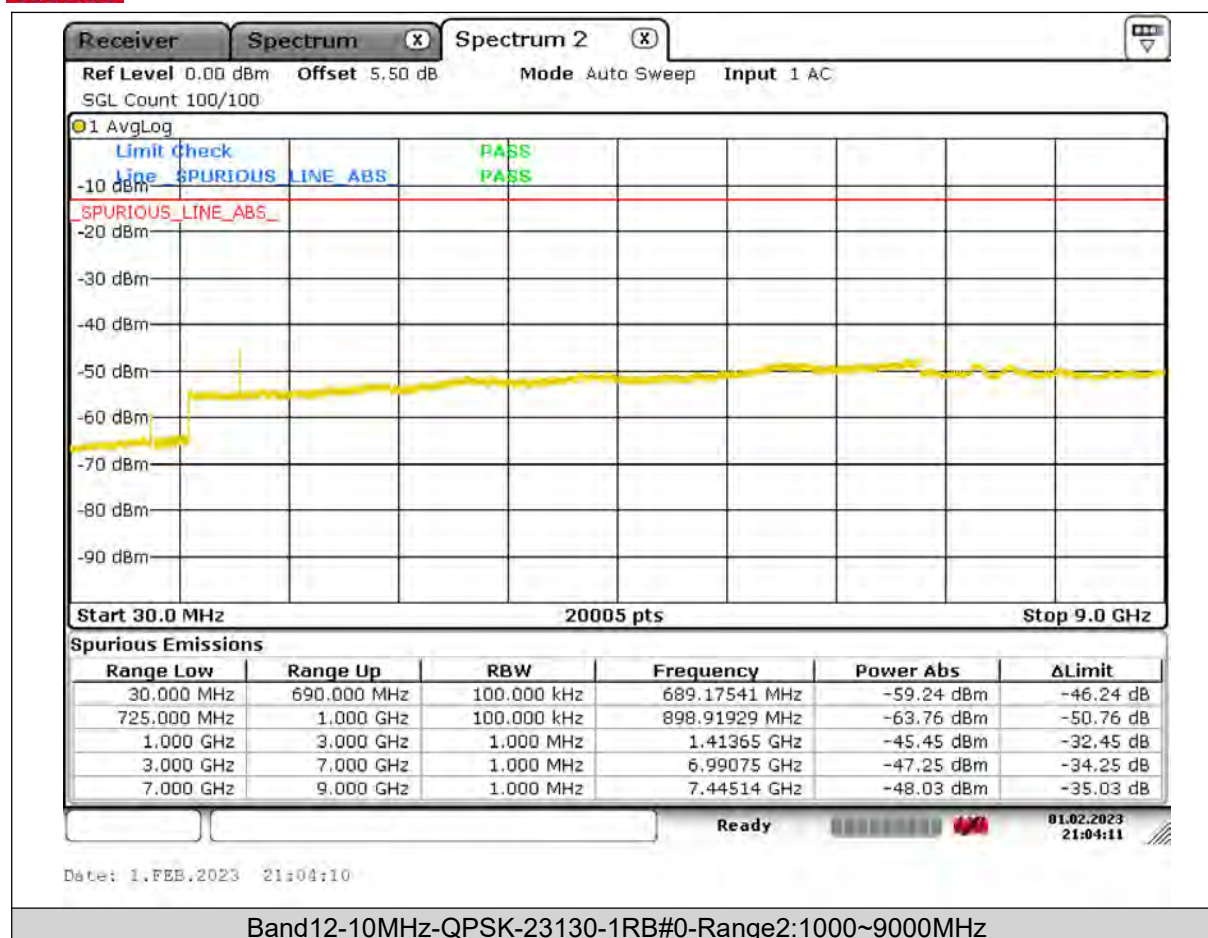
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VERITAS

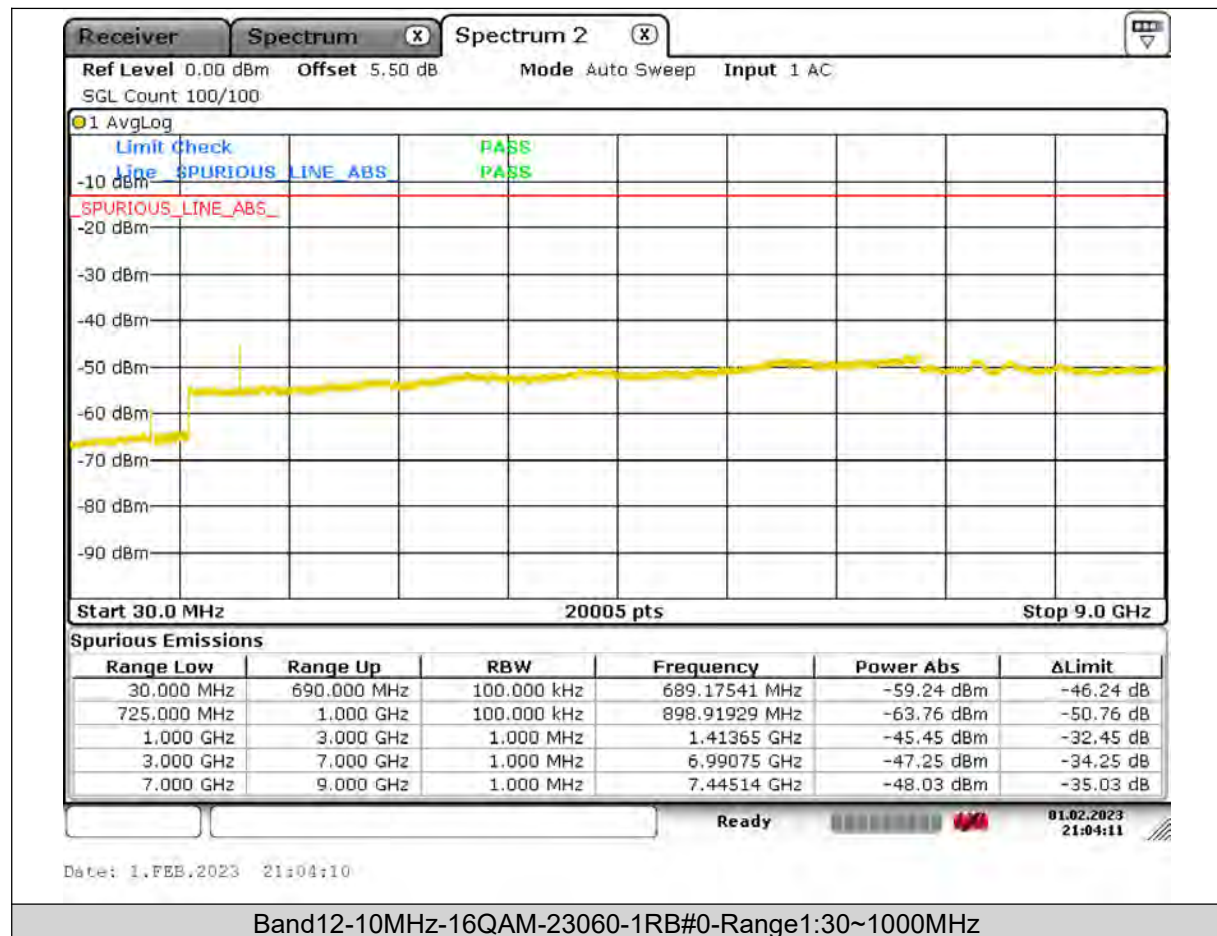
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BUREAU
VERITAS

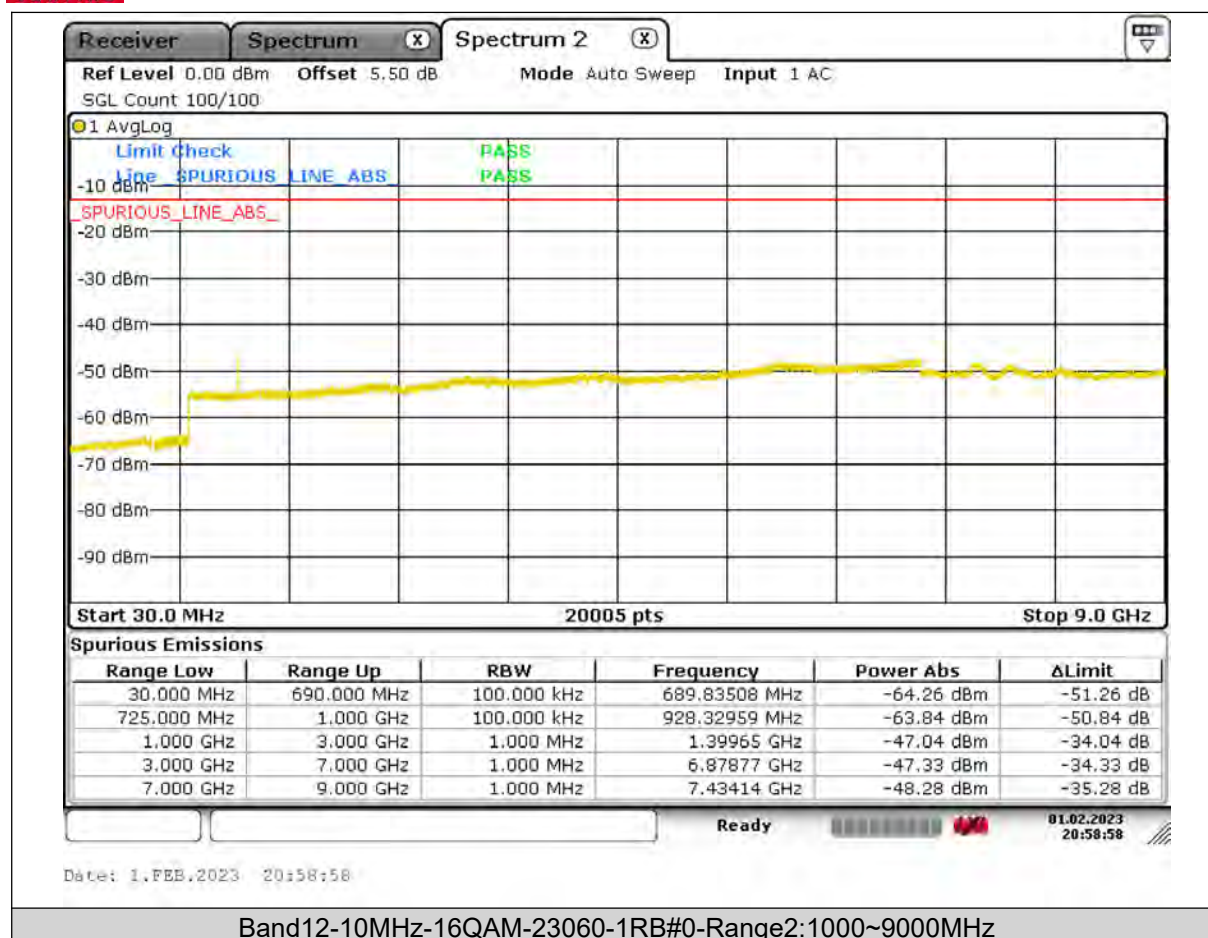
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BUREAU
VERITAS

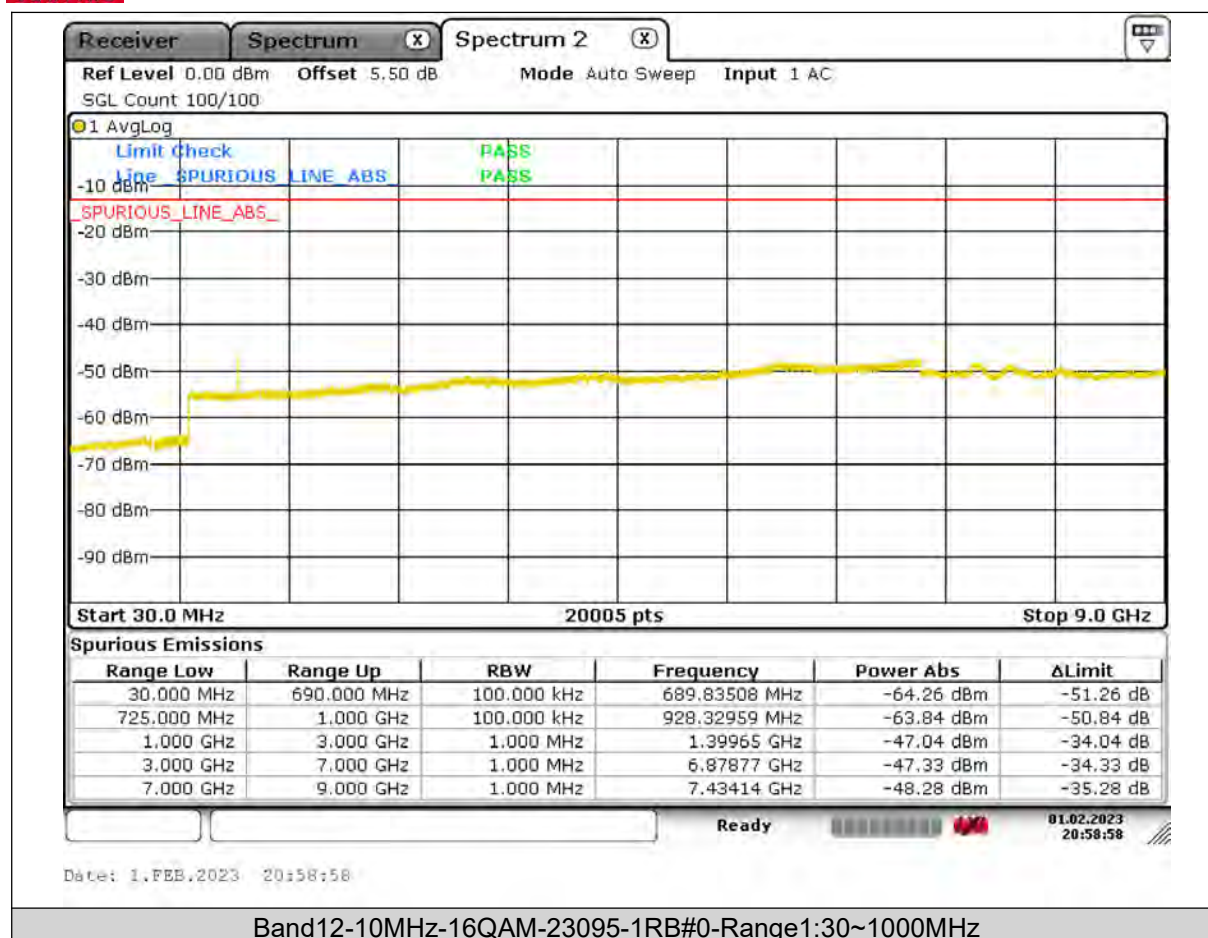
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VERITAS

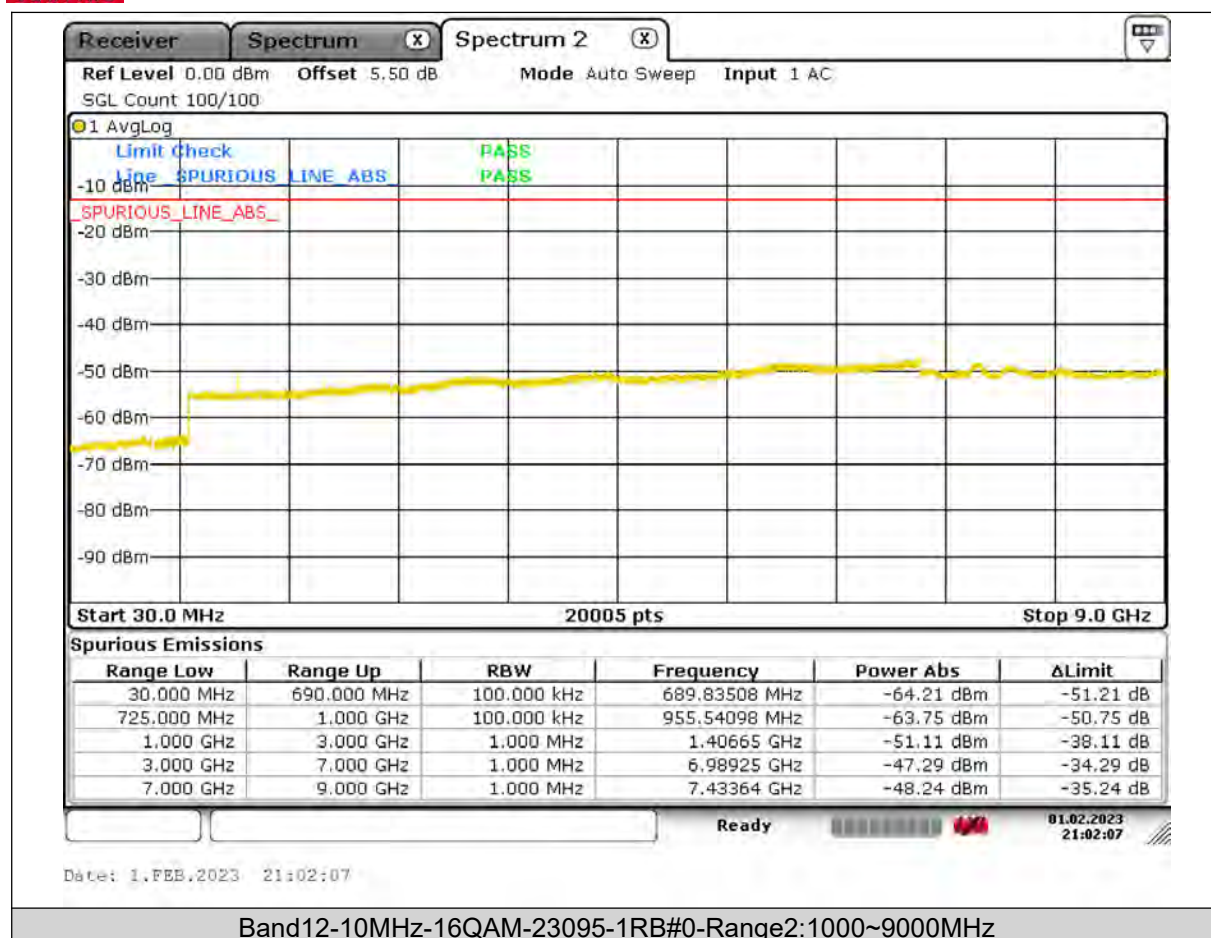
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VERITAS

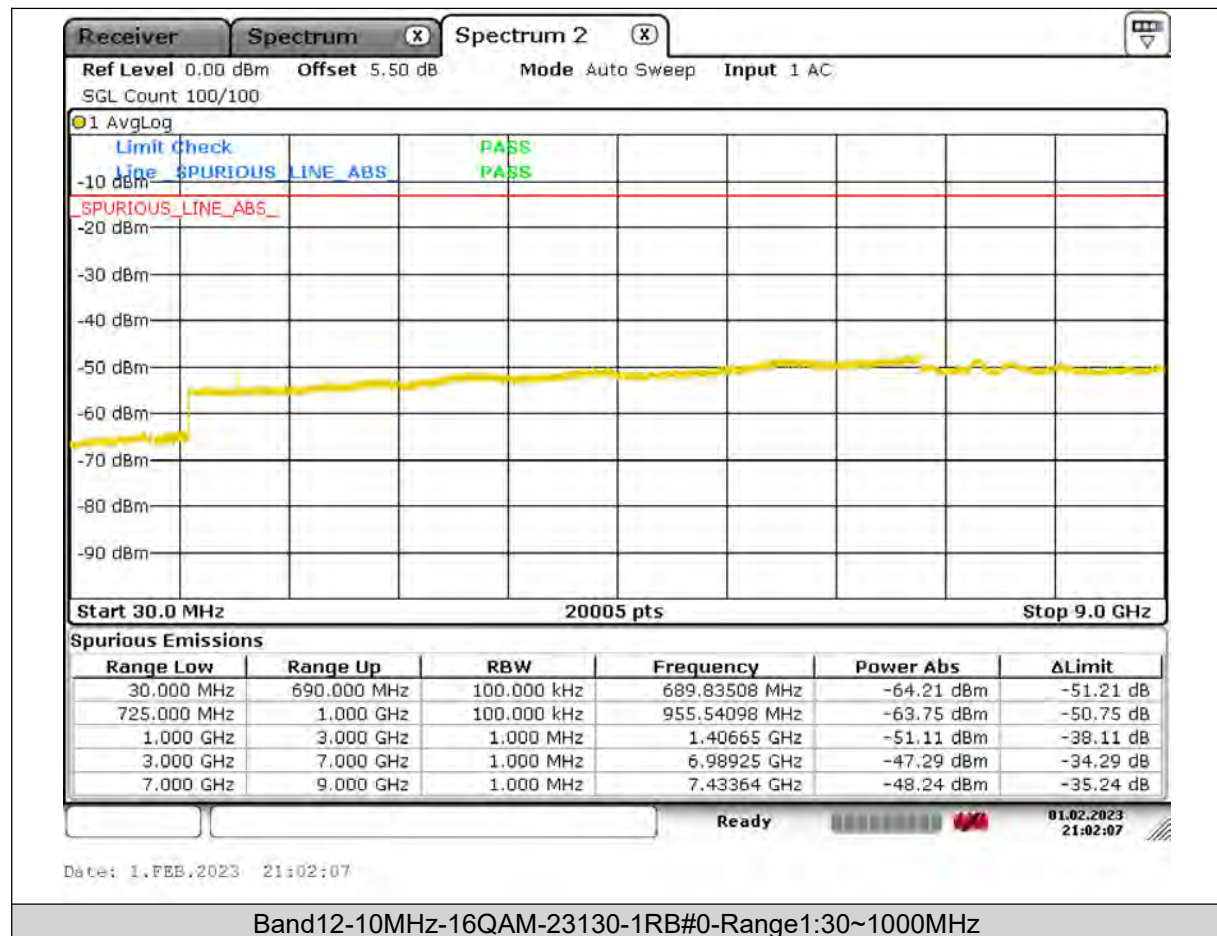
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BUREAU
VERITAS

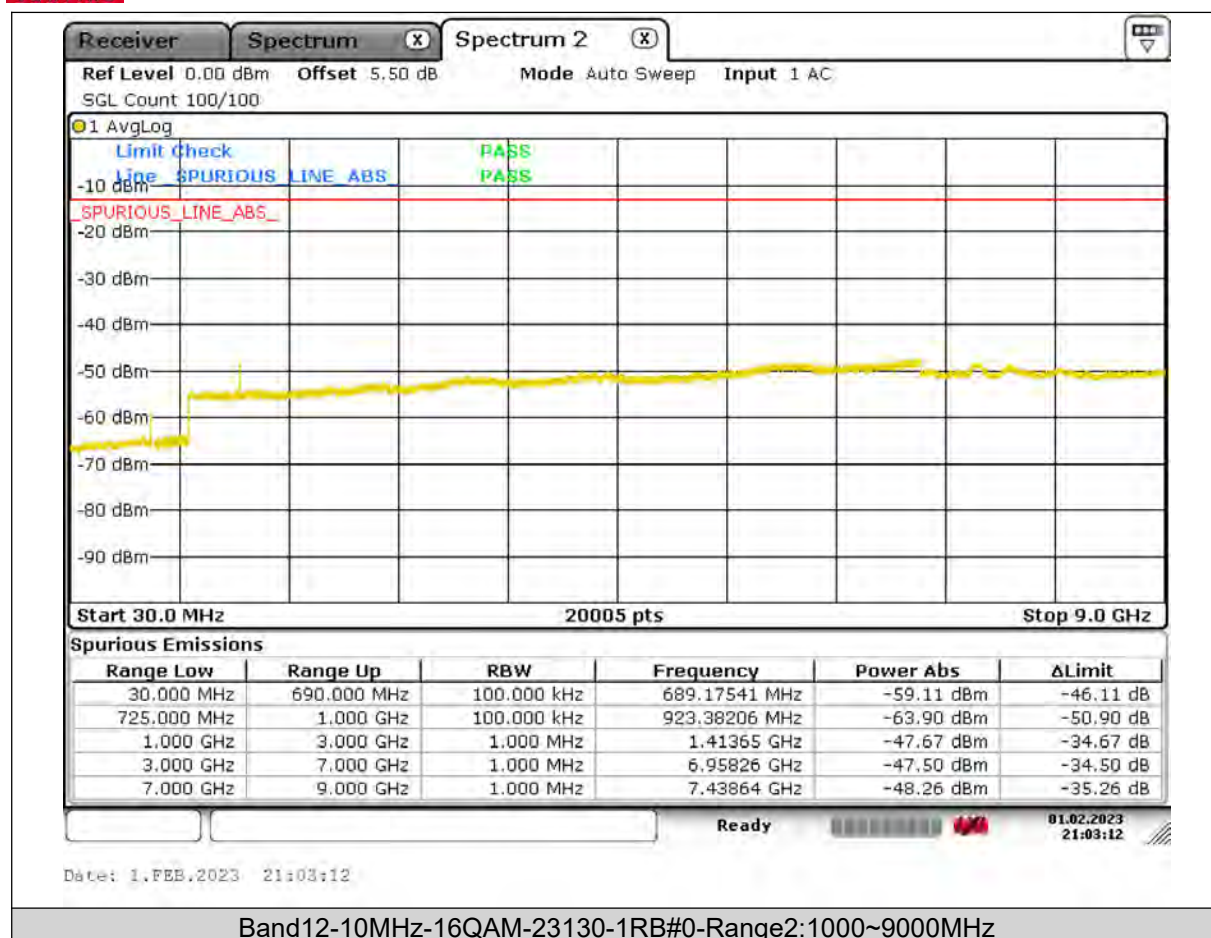
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VERITAS

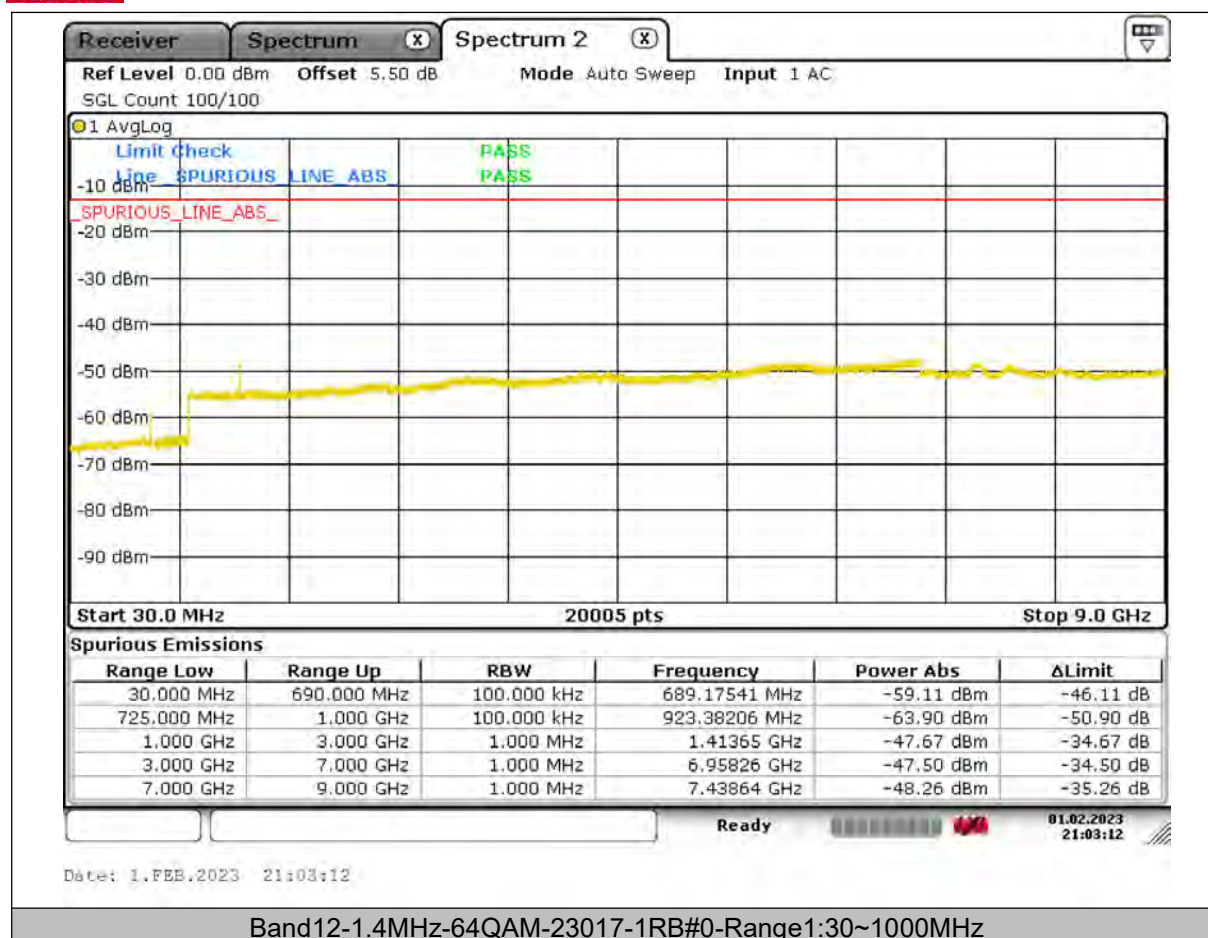
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VERITAS

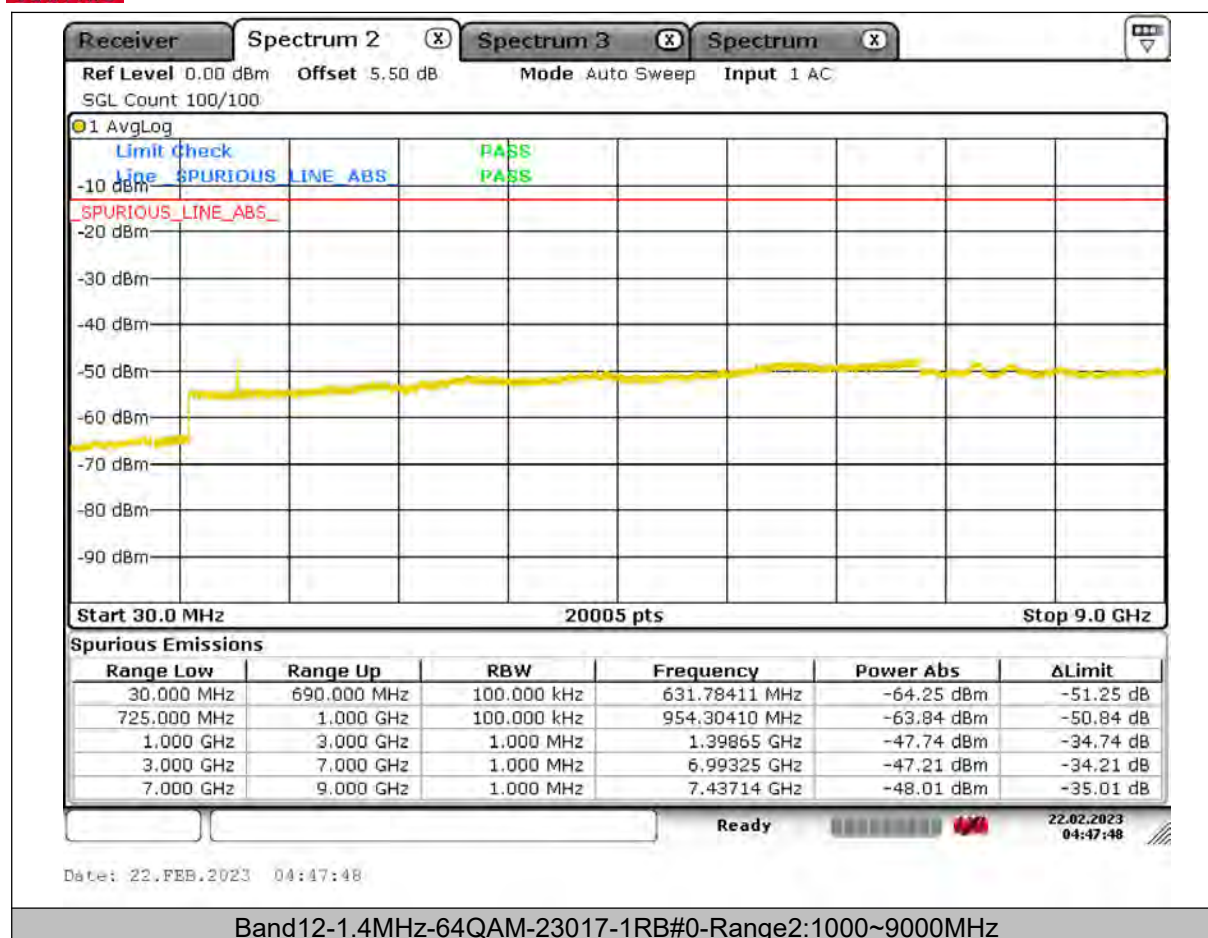
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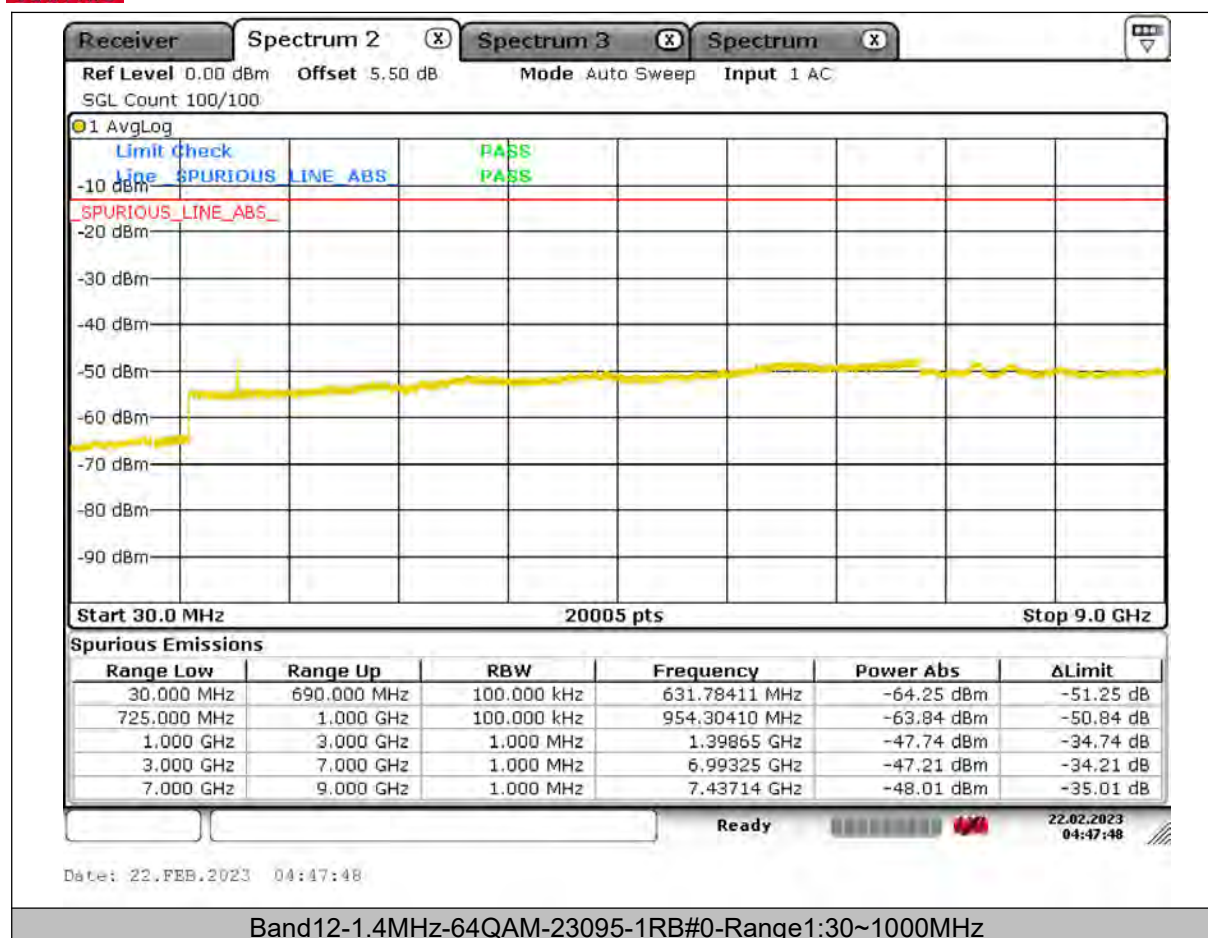
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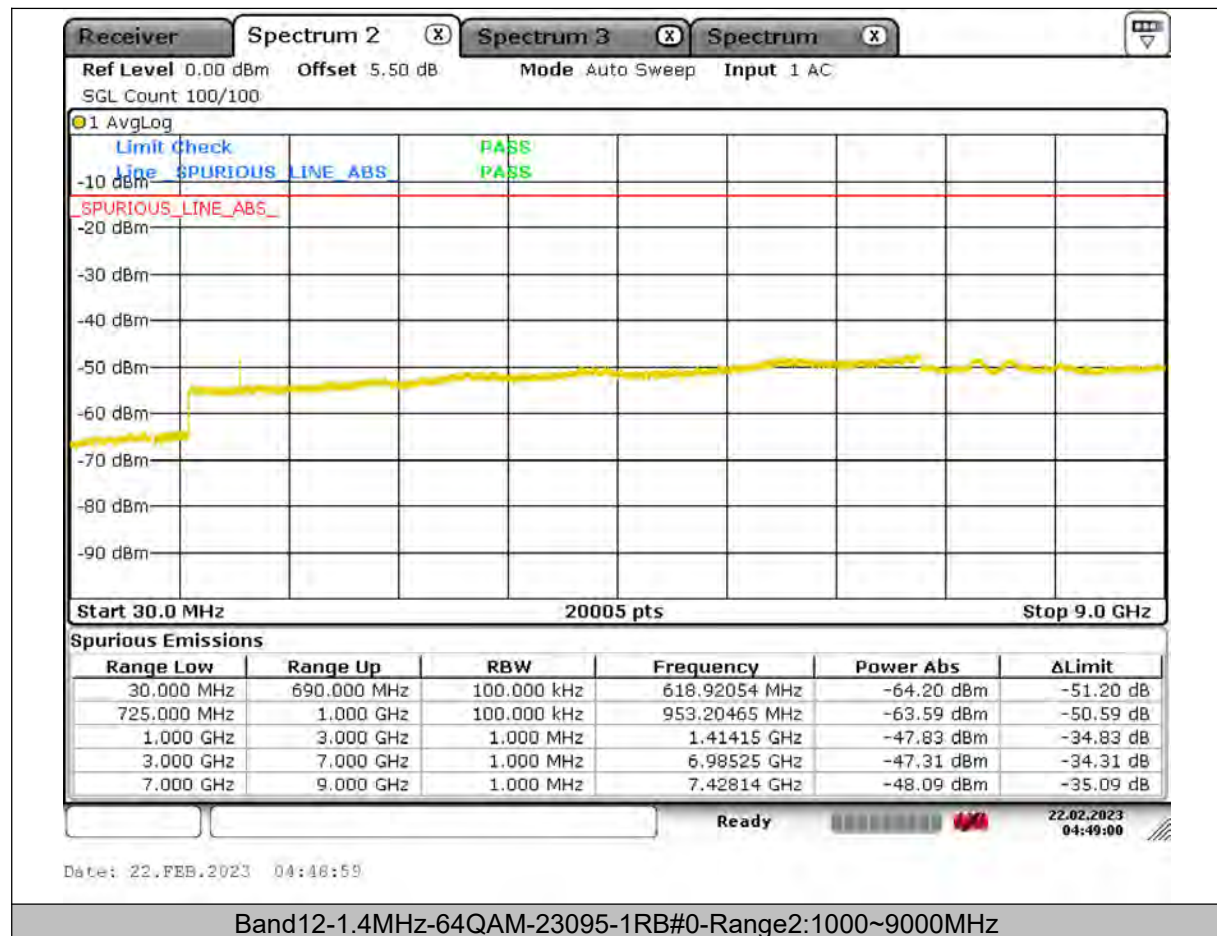
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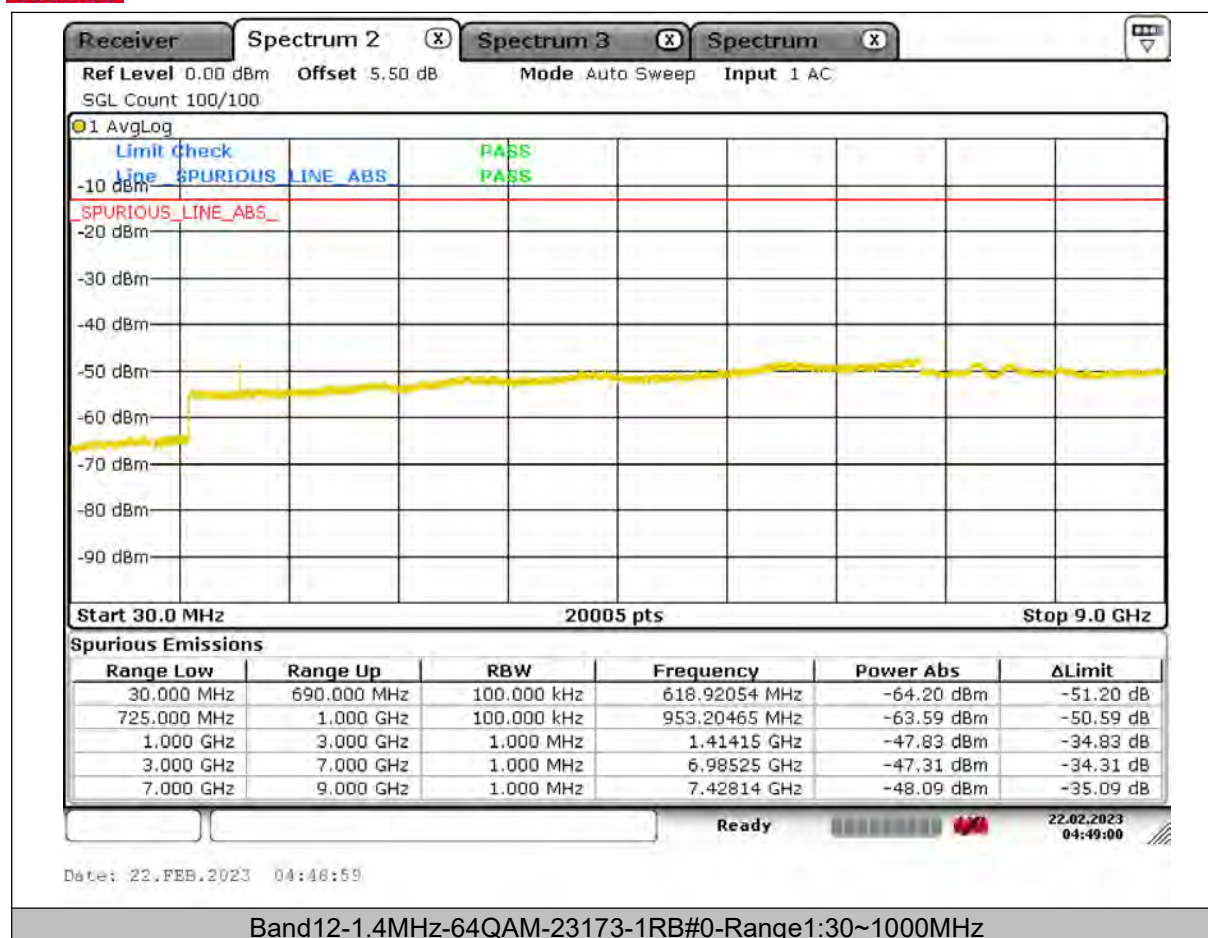
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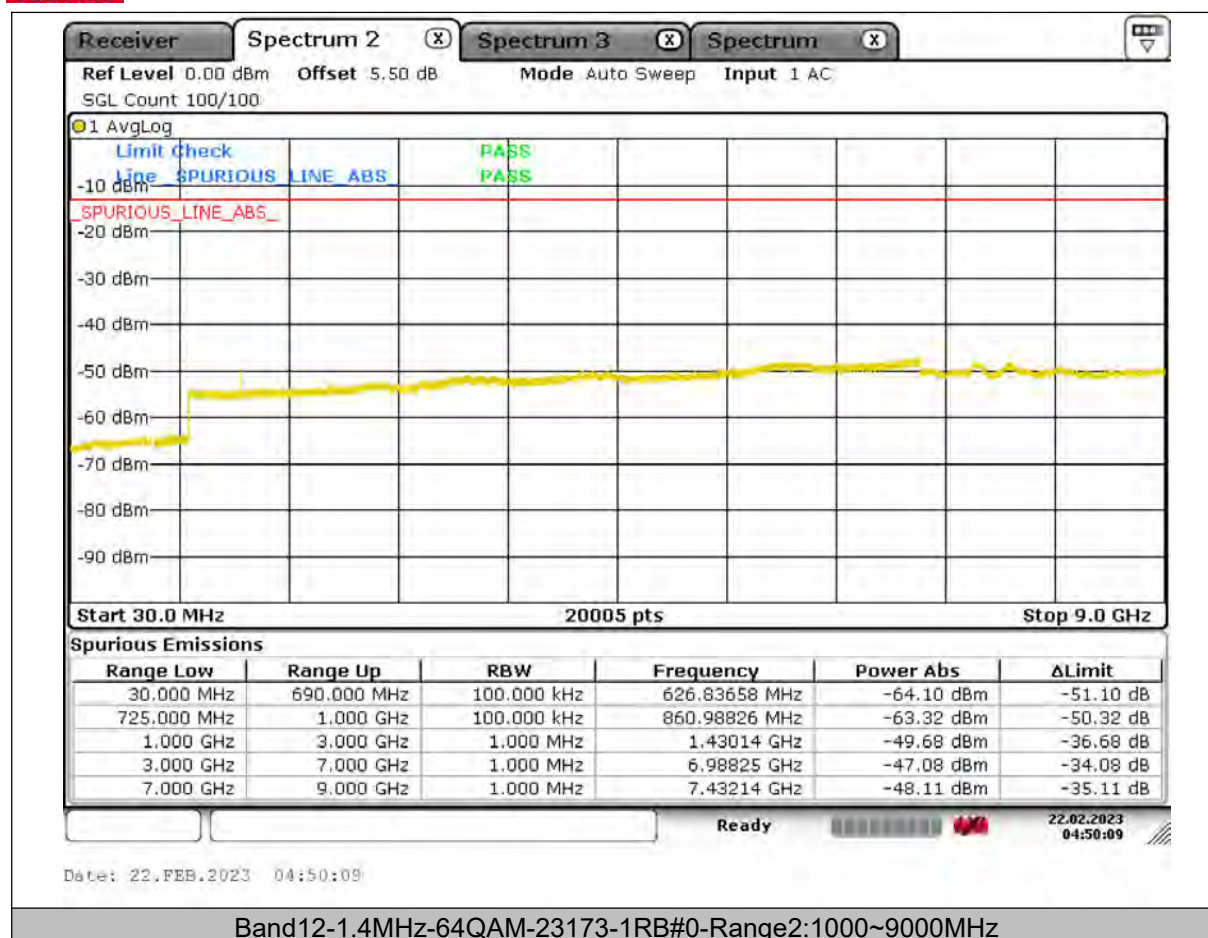
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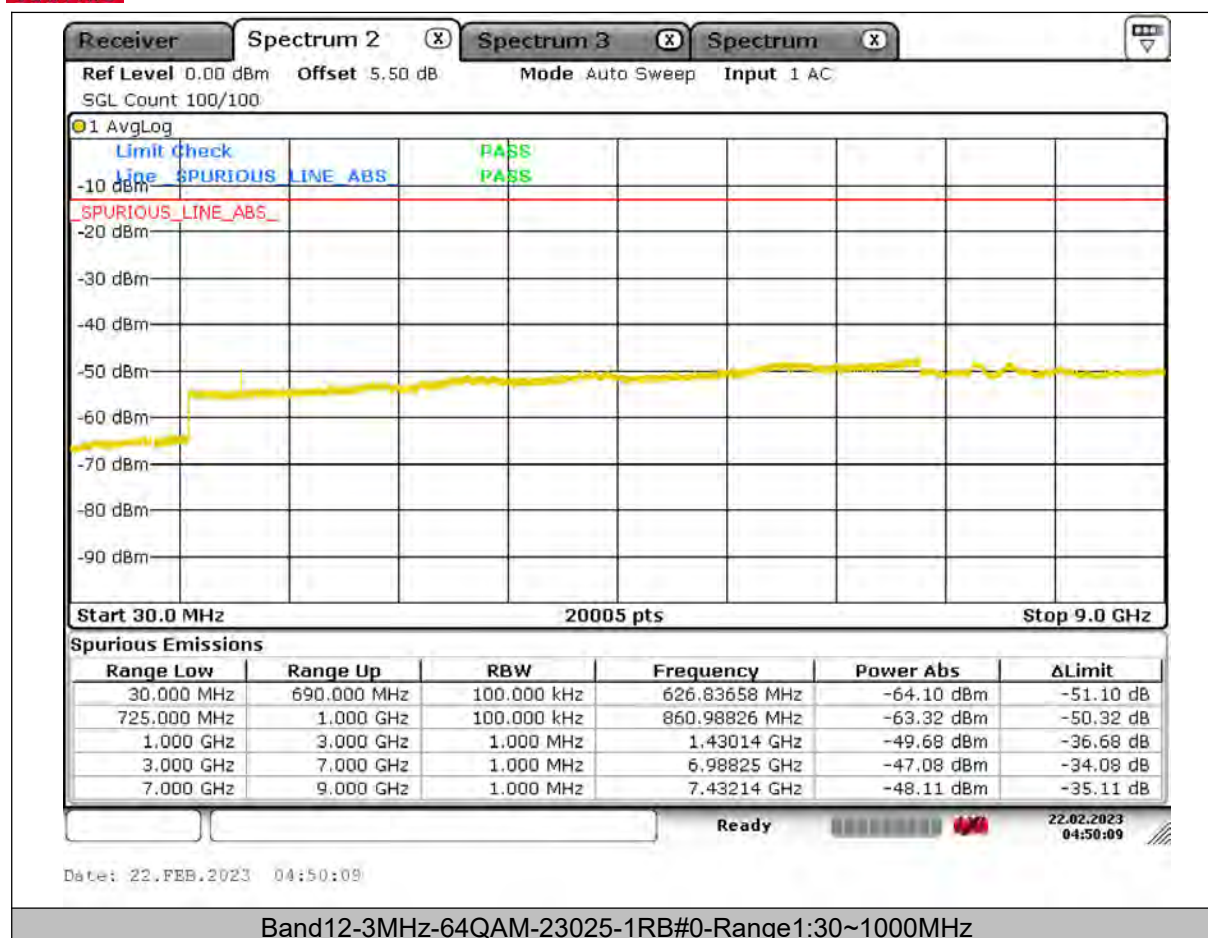
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VERITAS

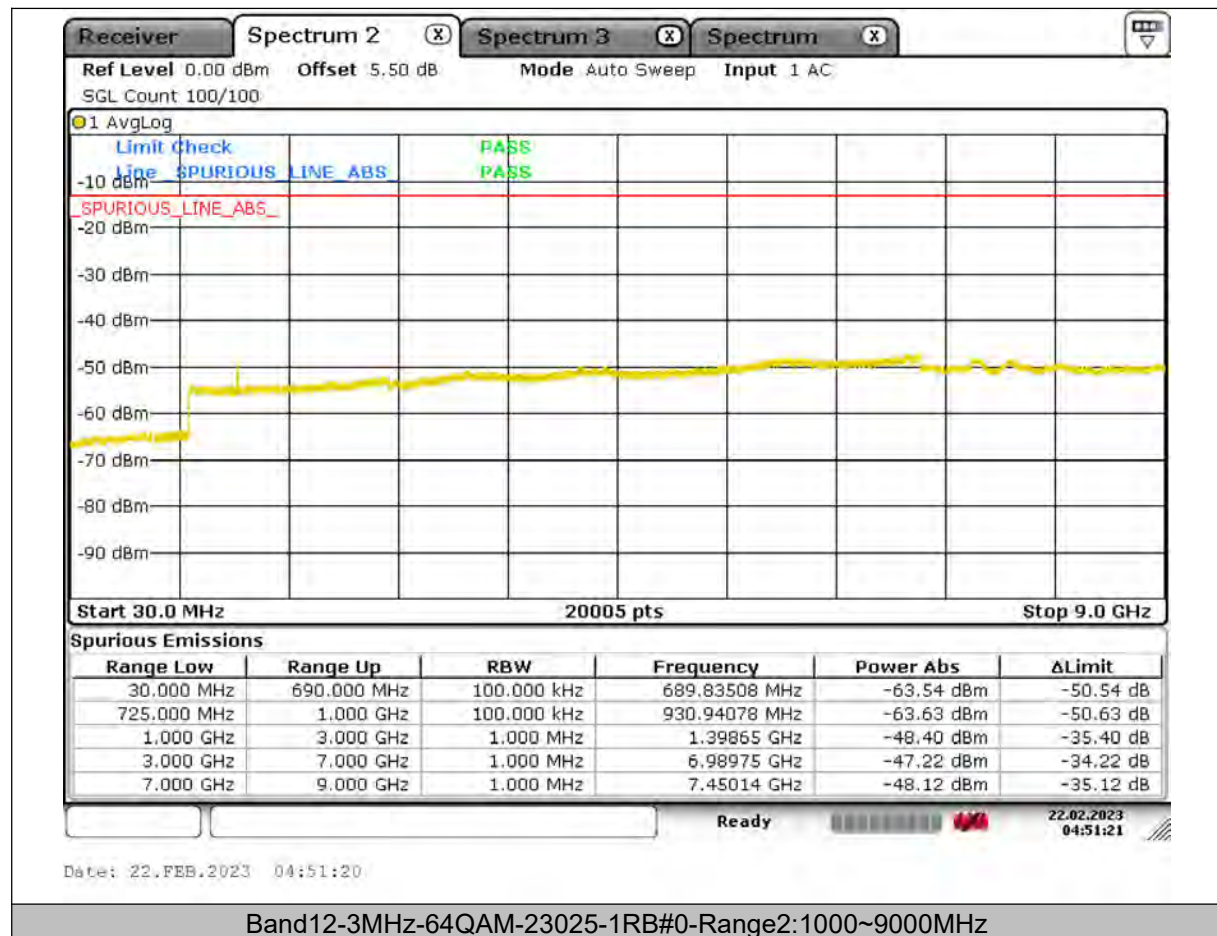
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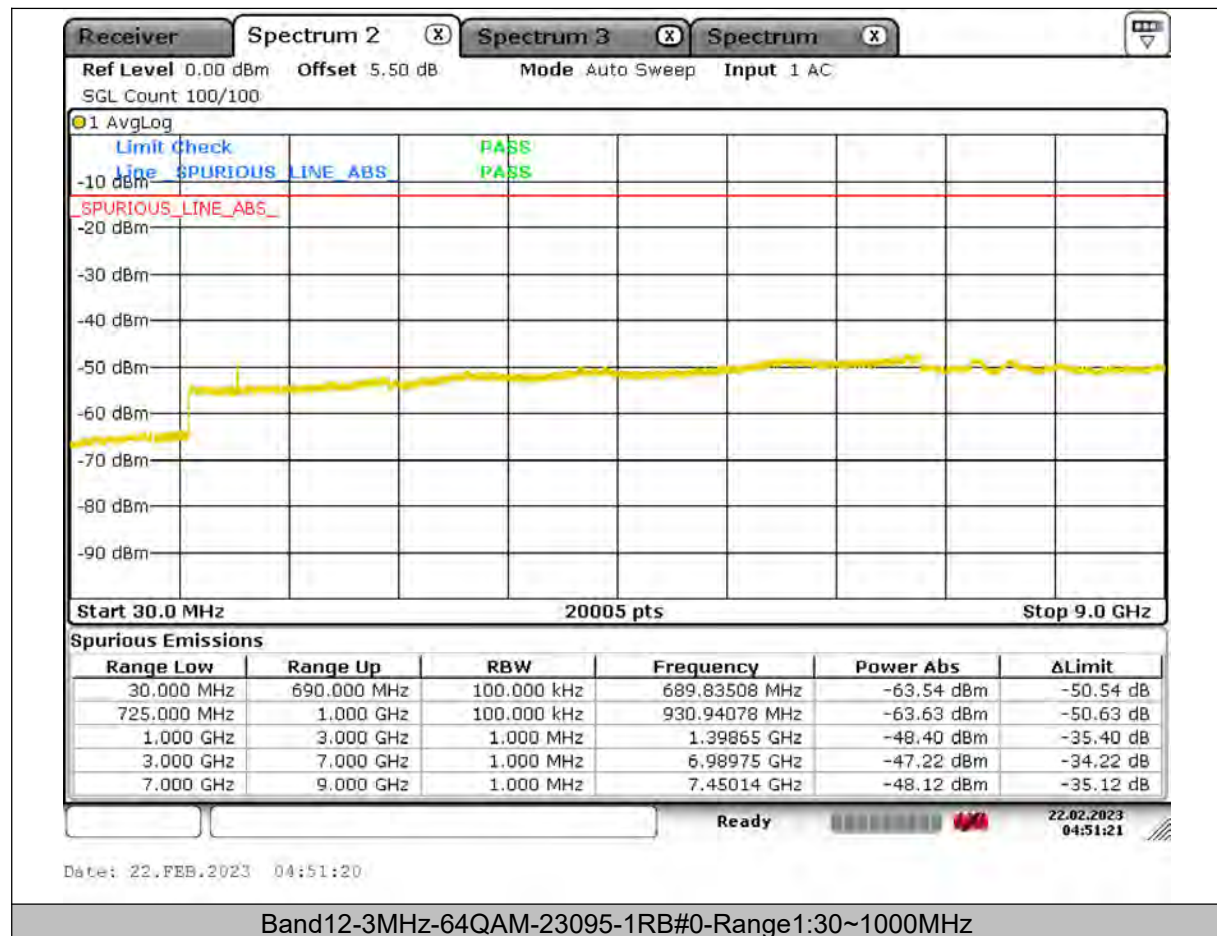
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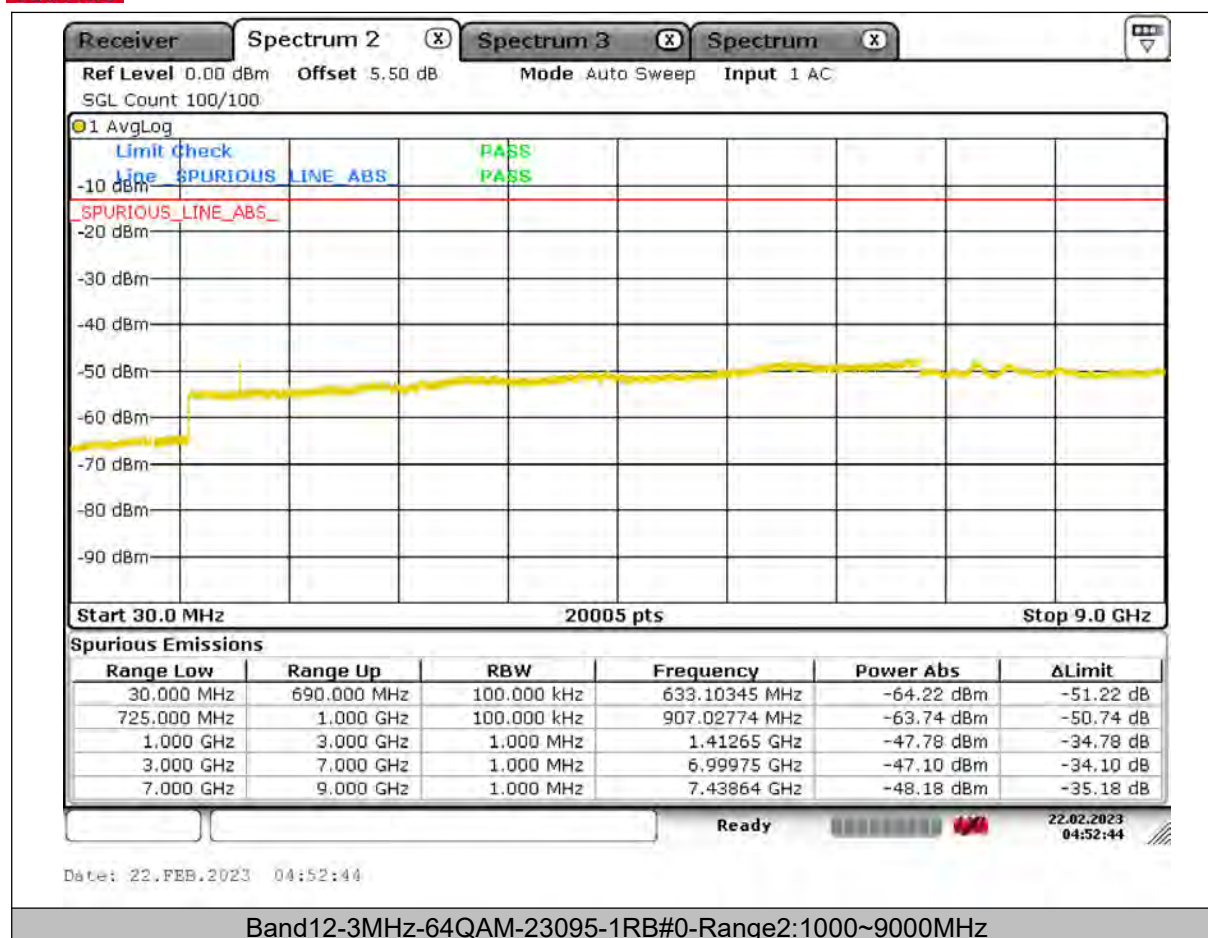
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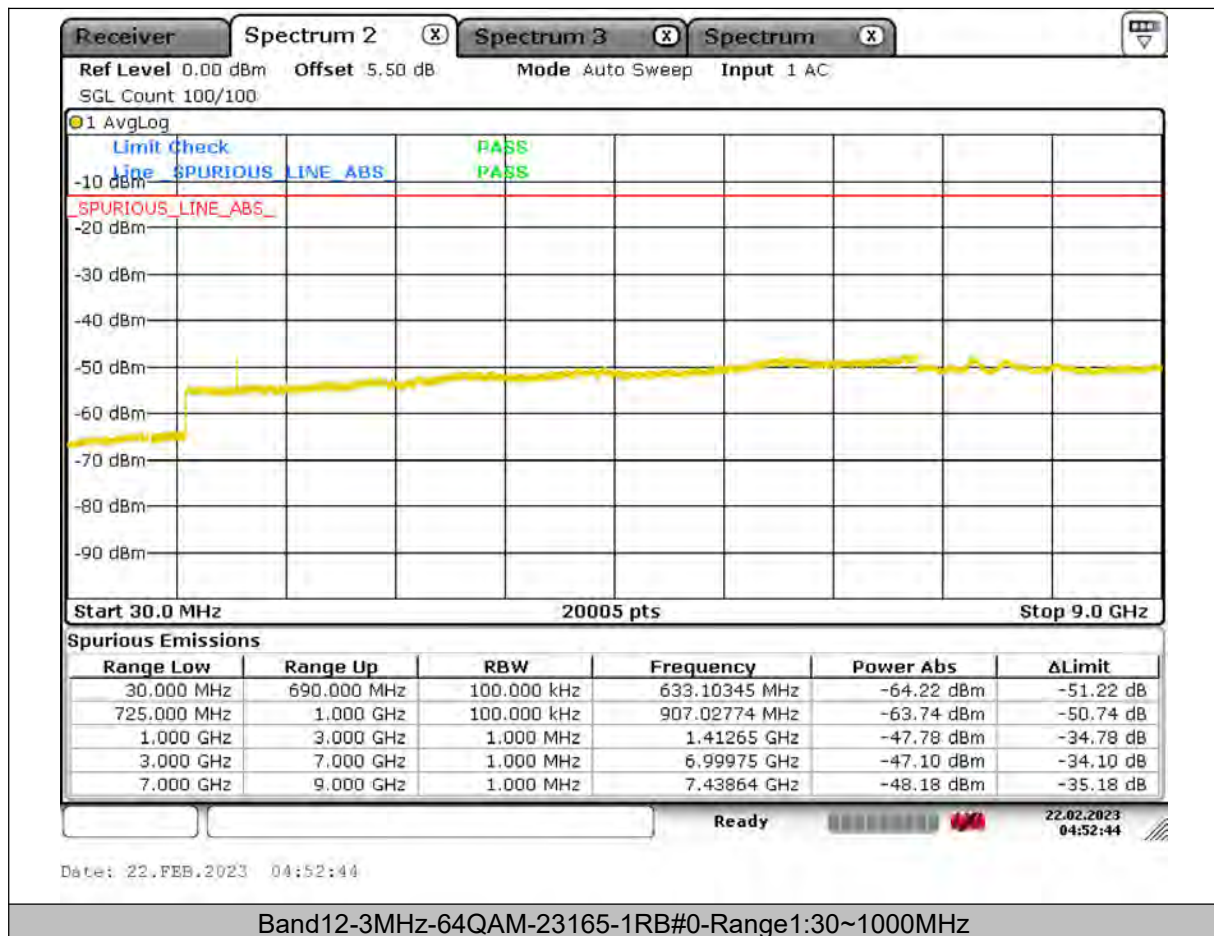
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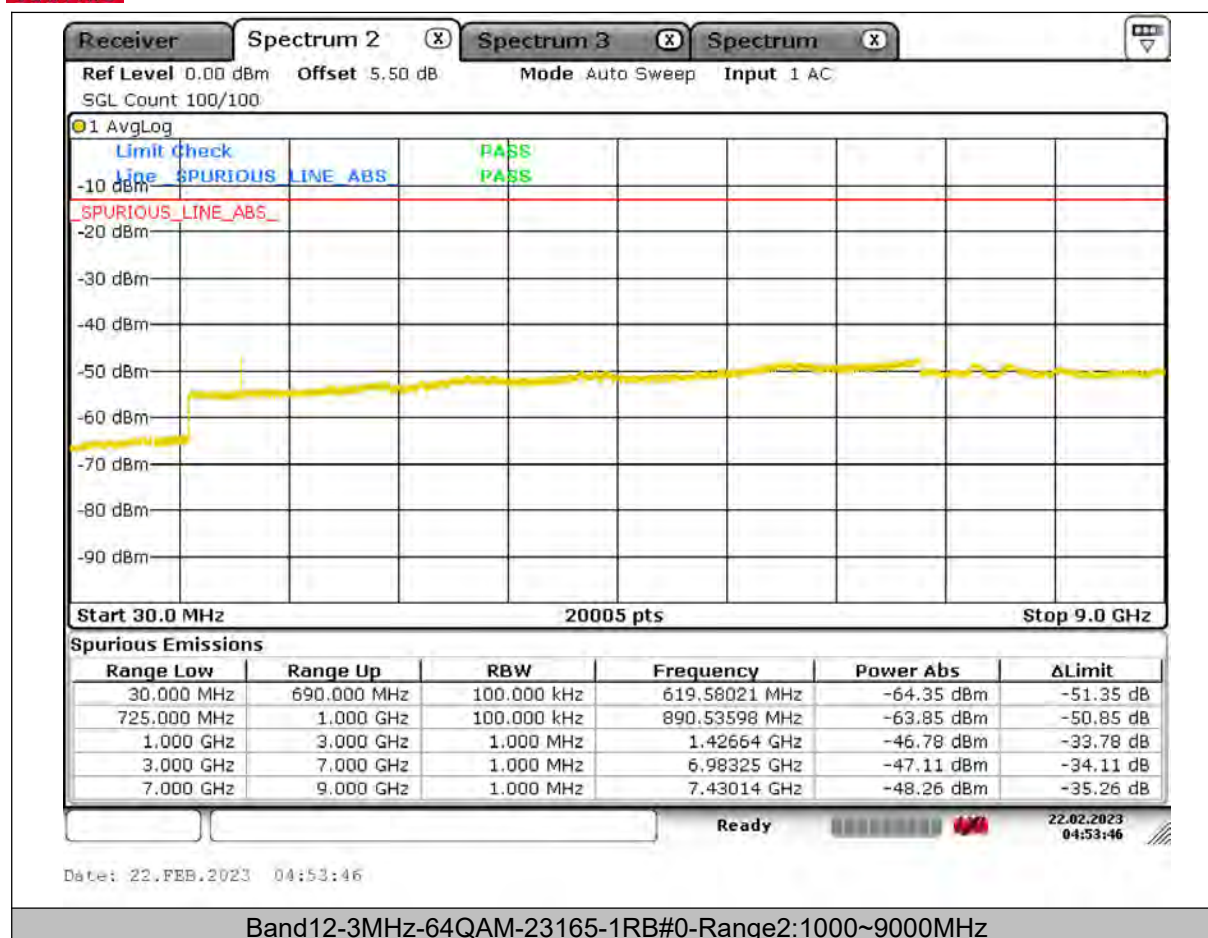
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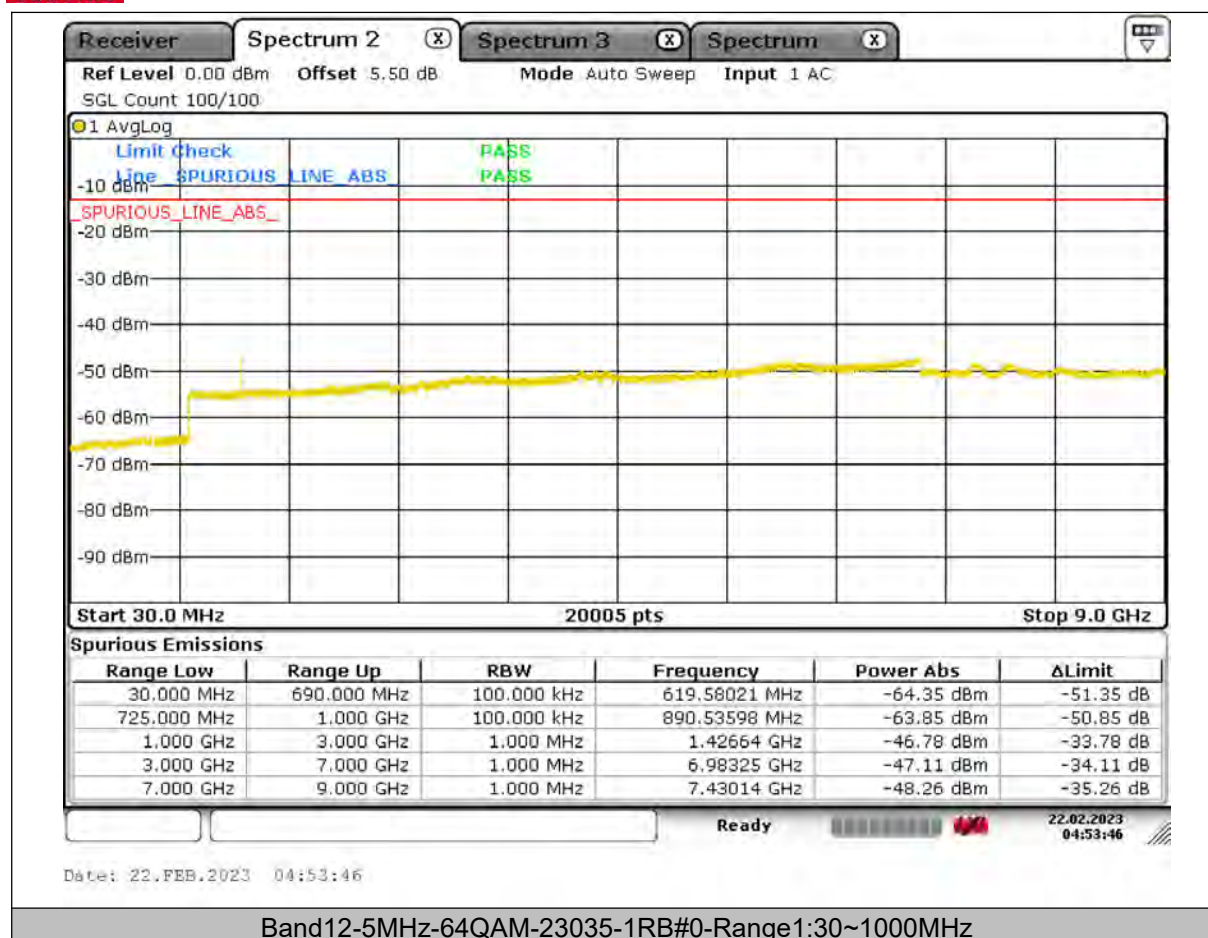
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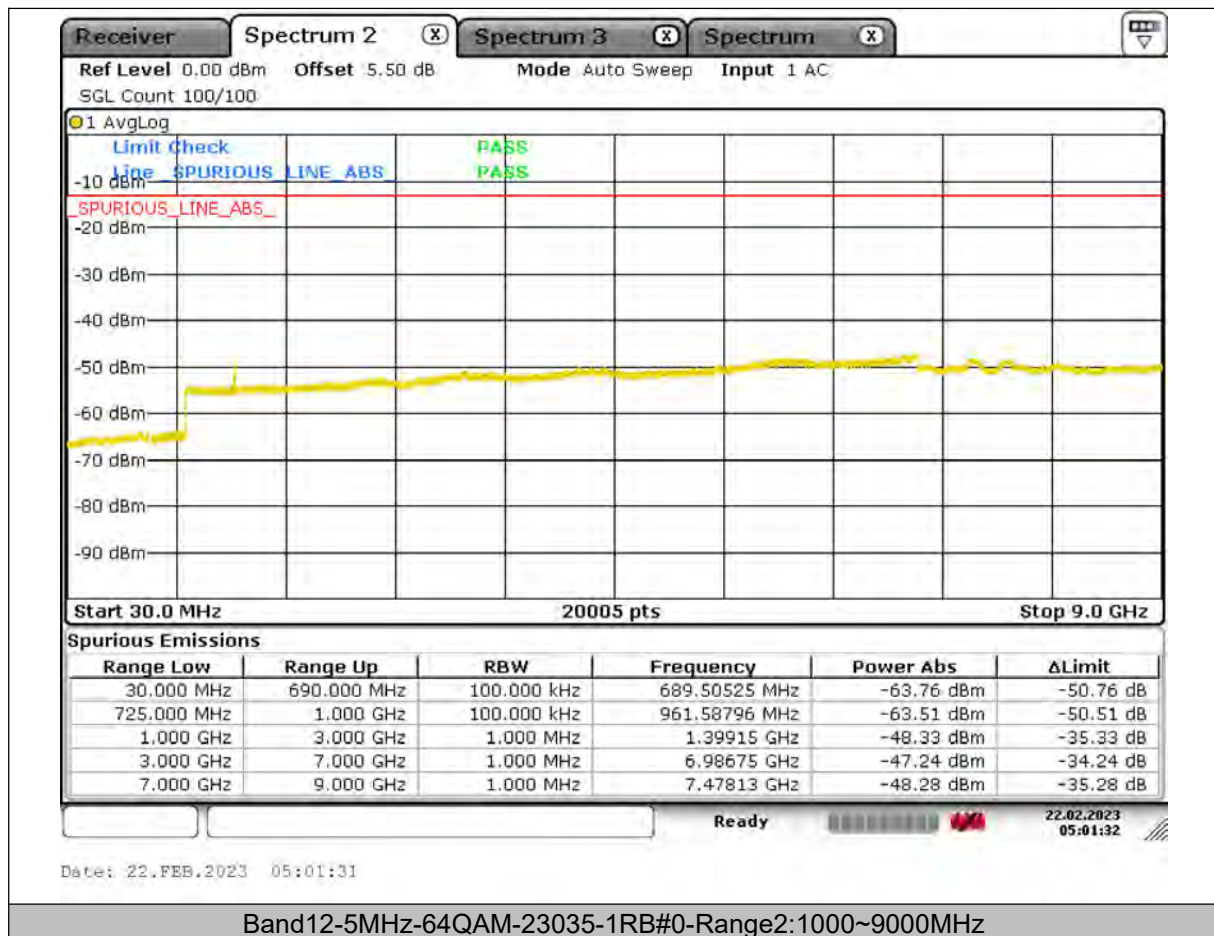
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VERITAS

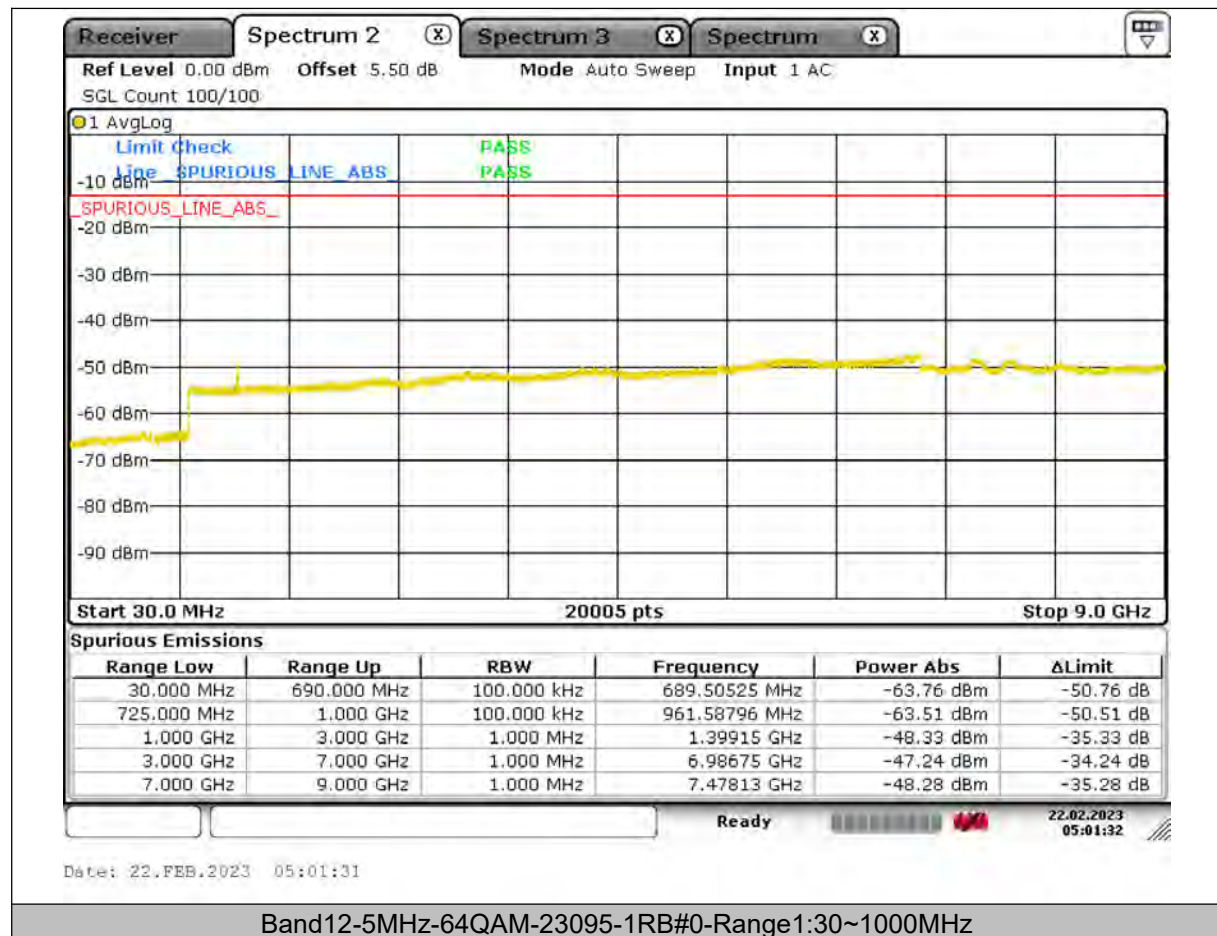
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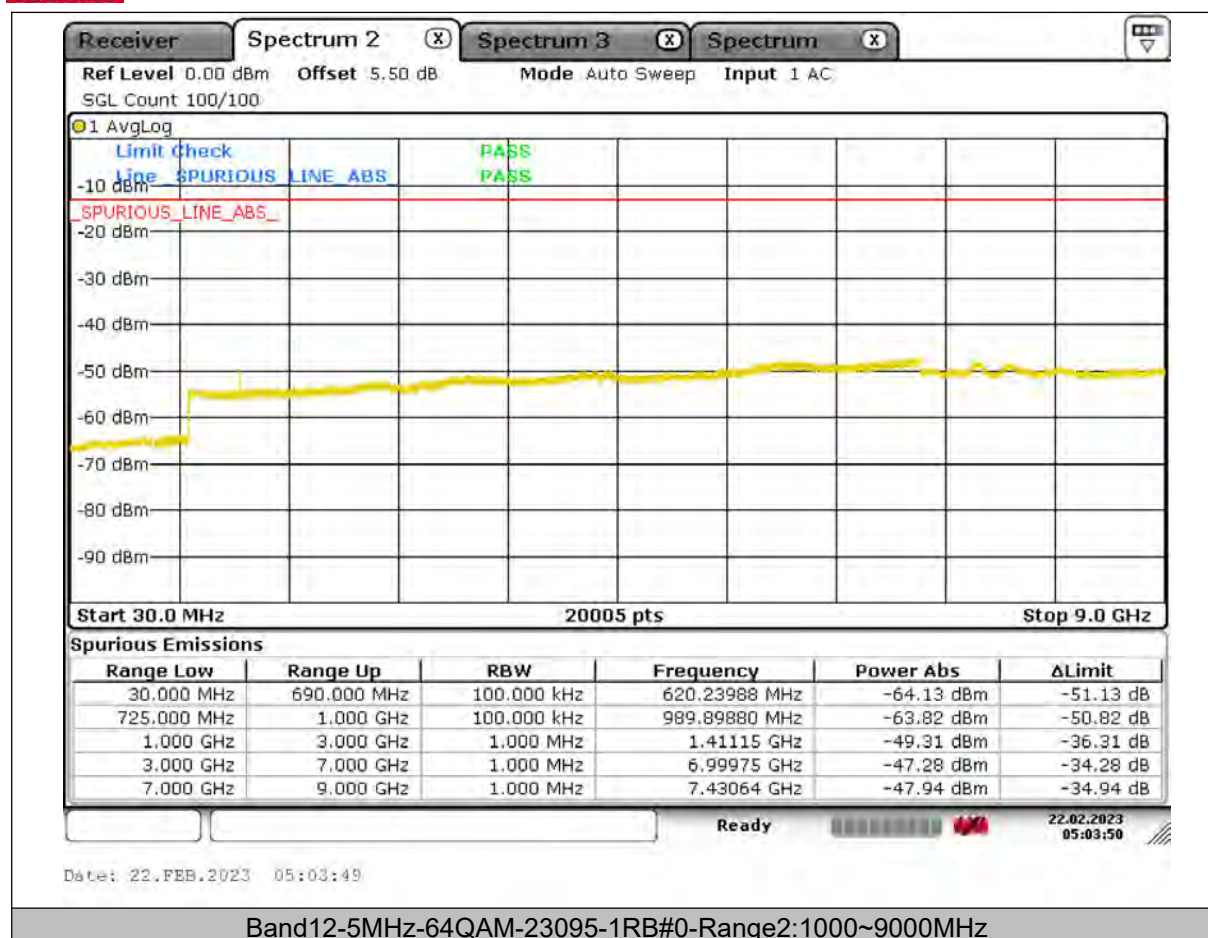
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VERITAS

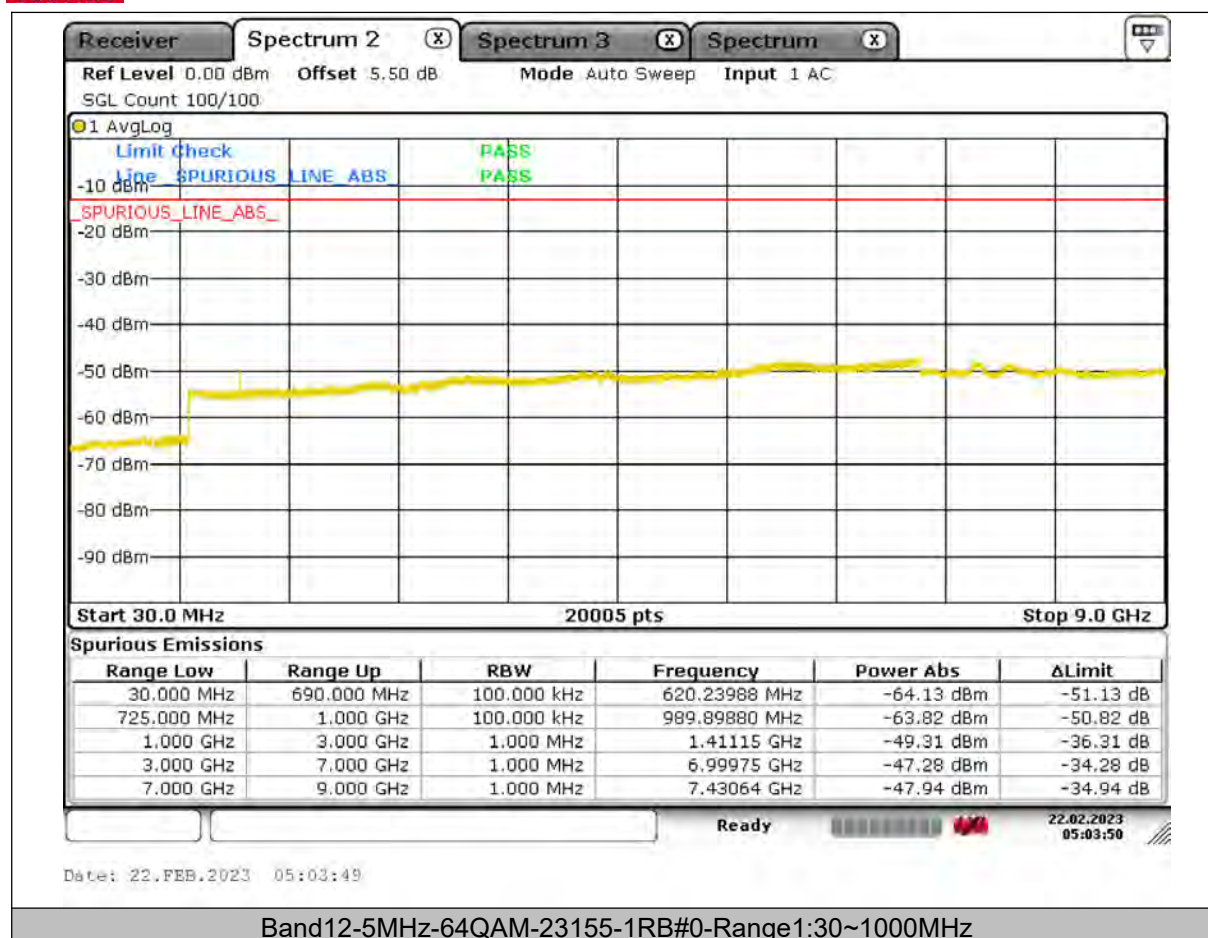
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BUREAU
VERITAS

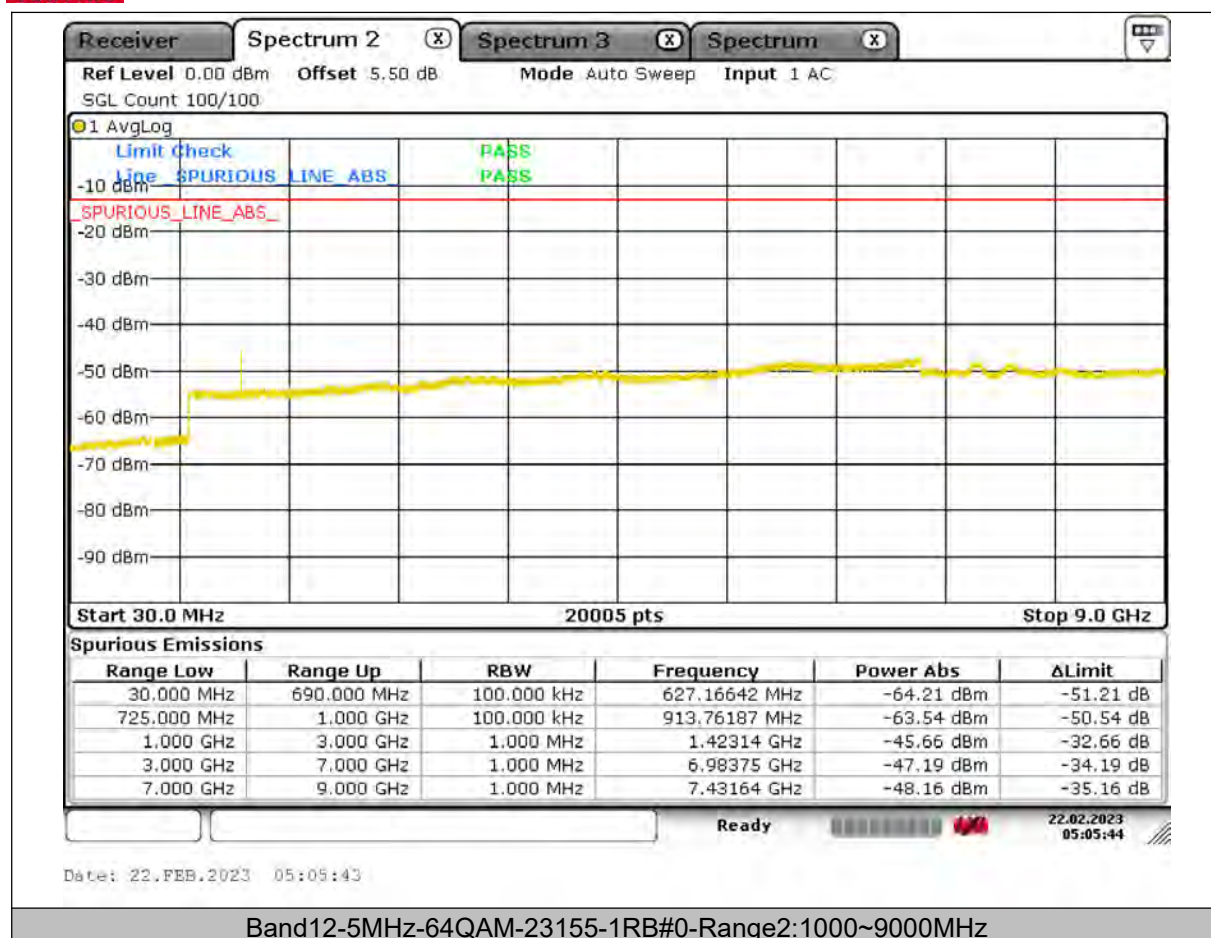
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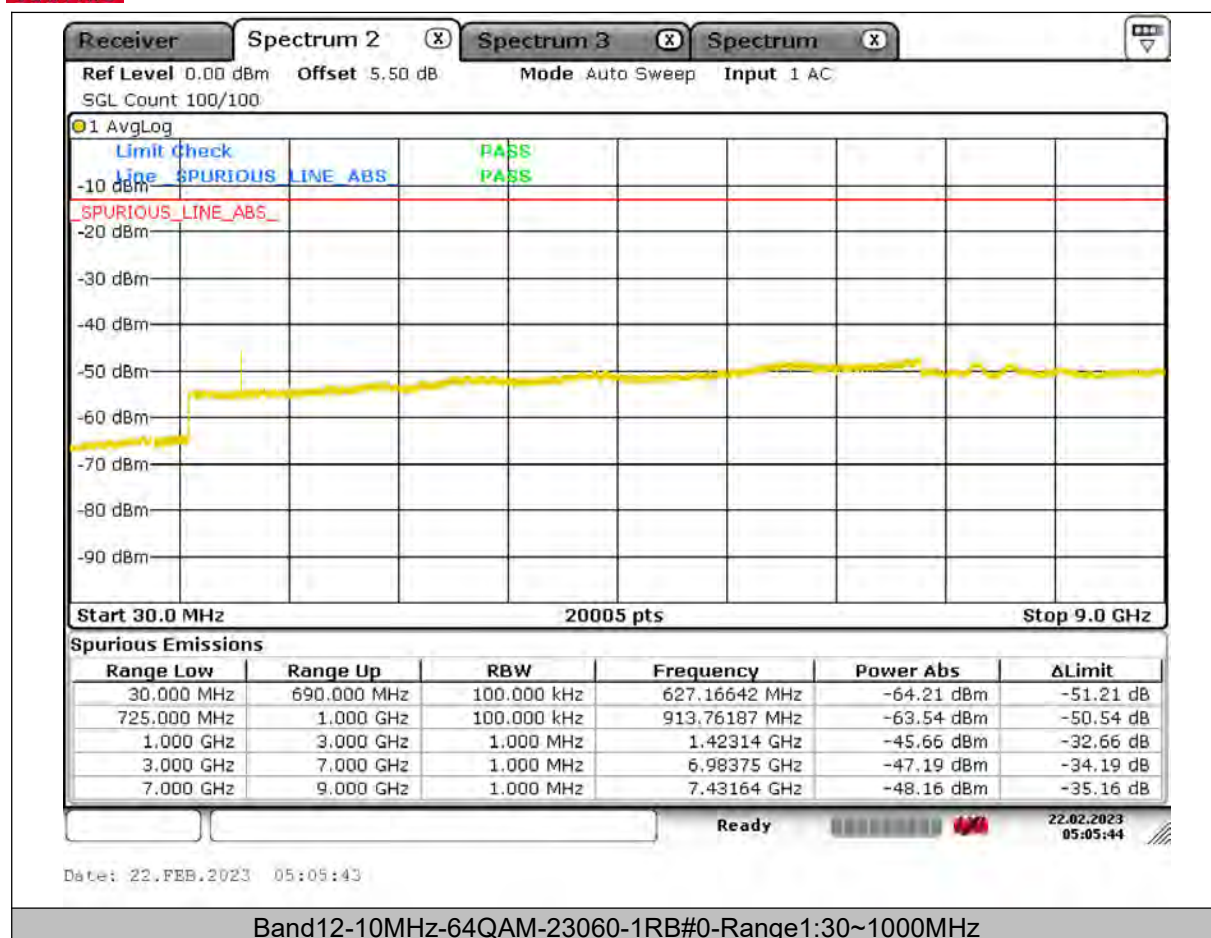
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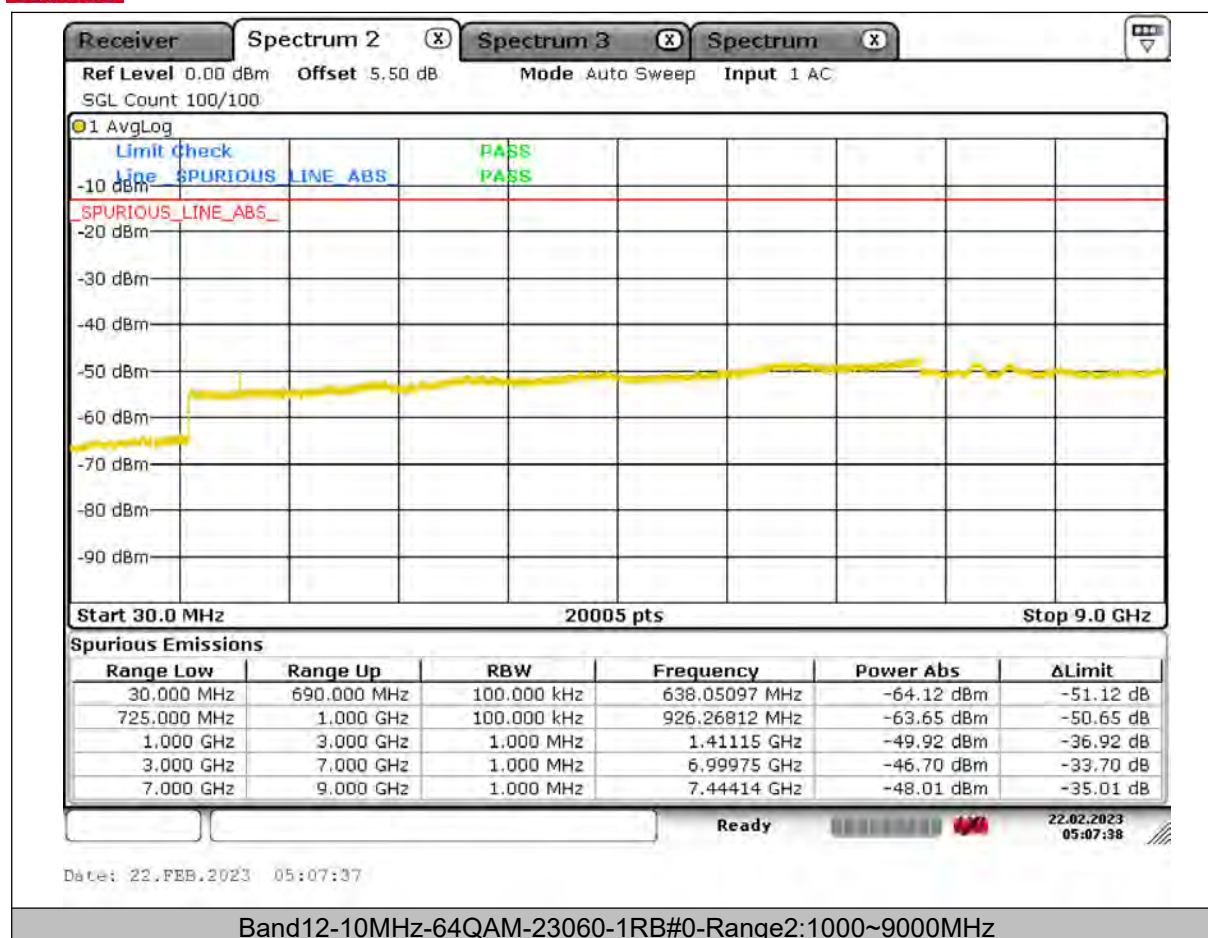
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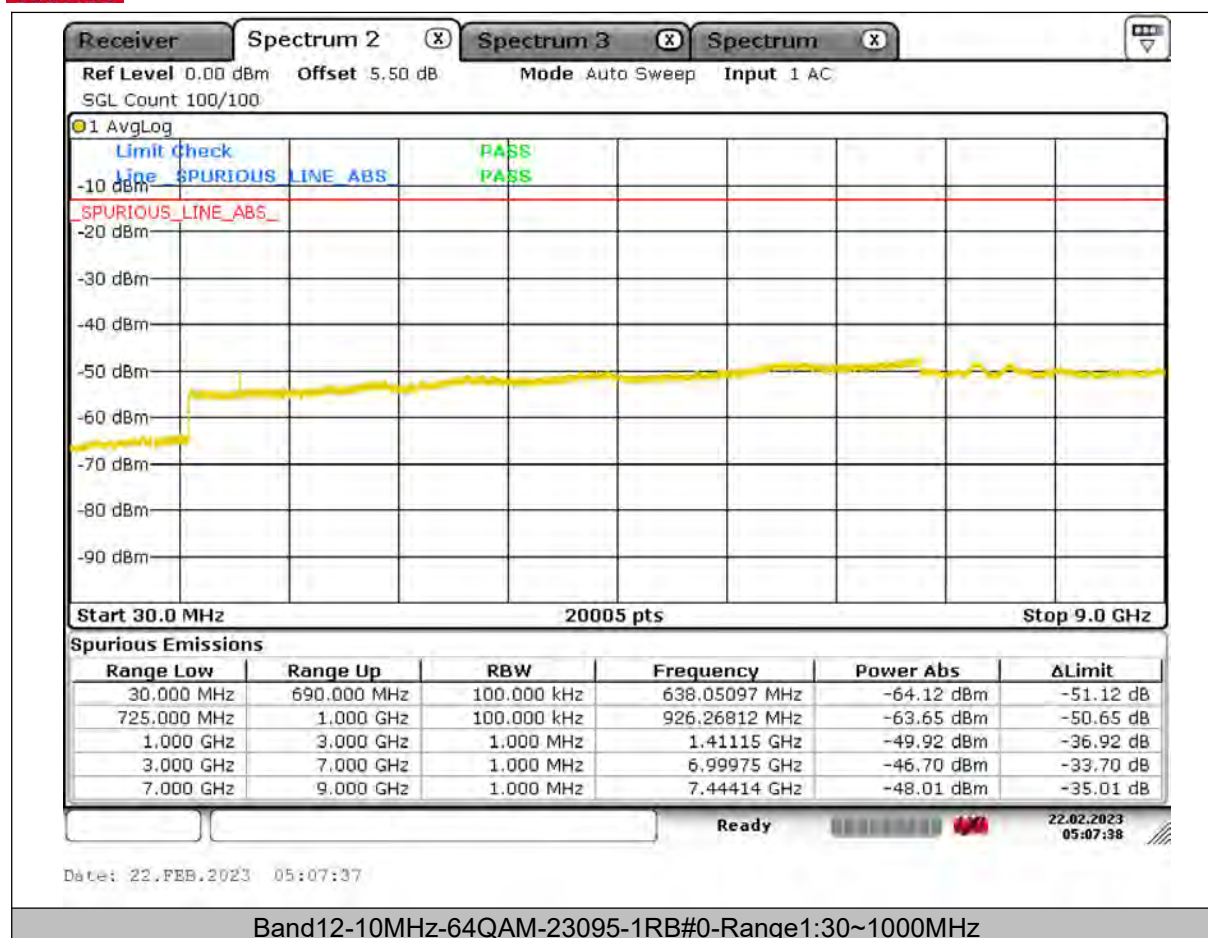
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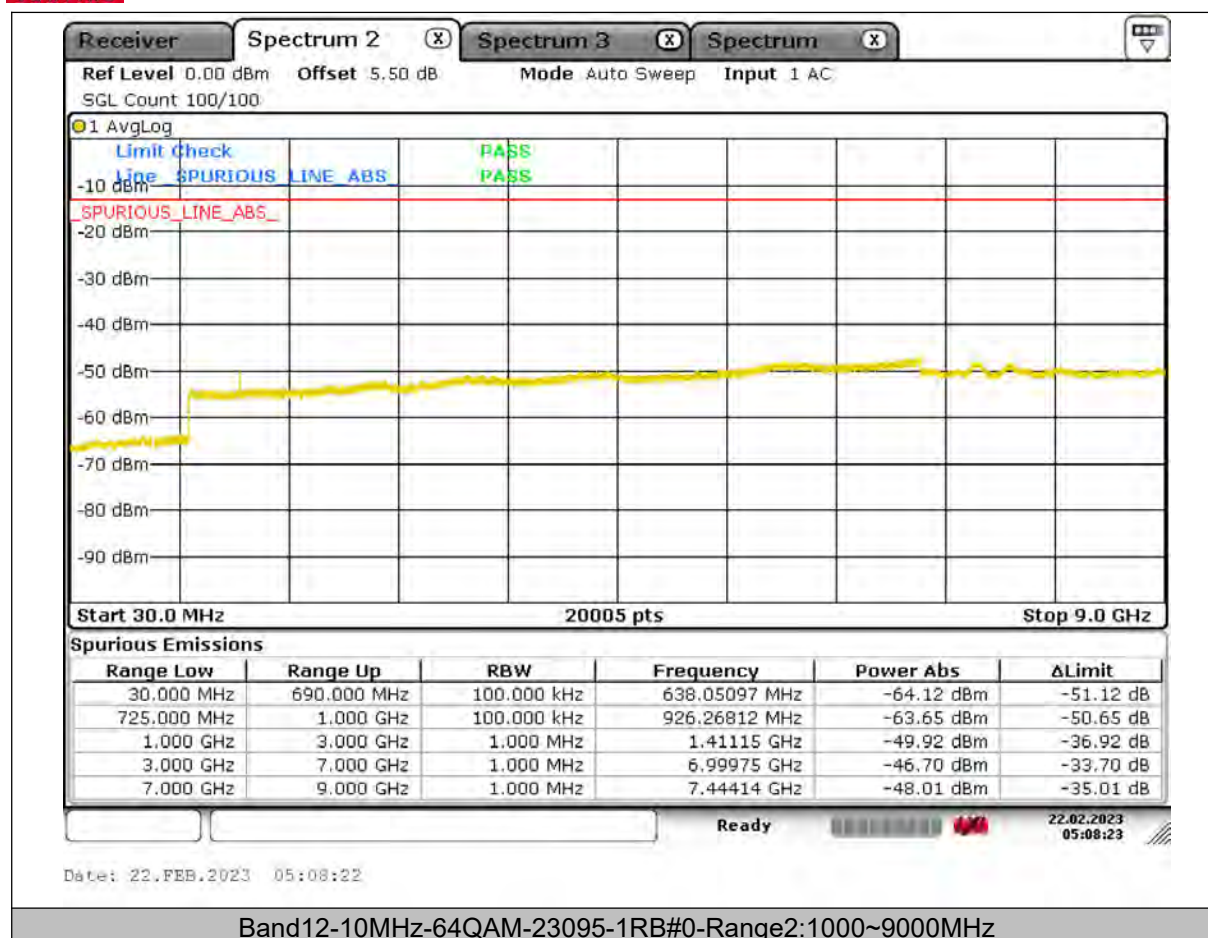
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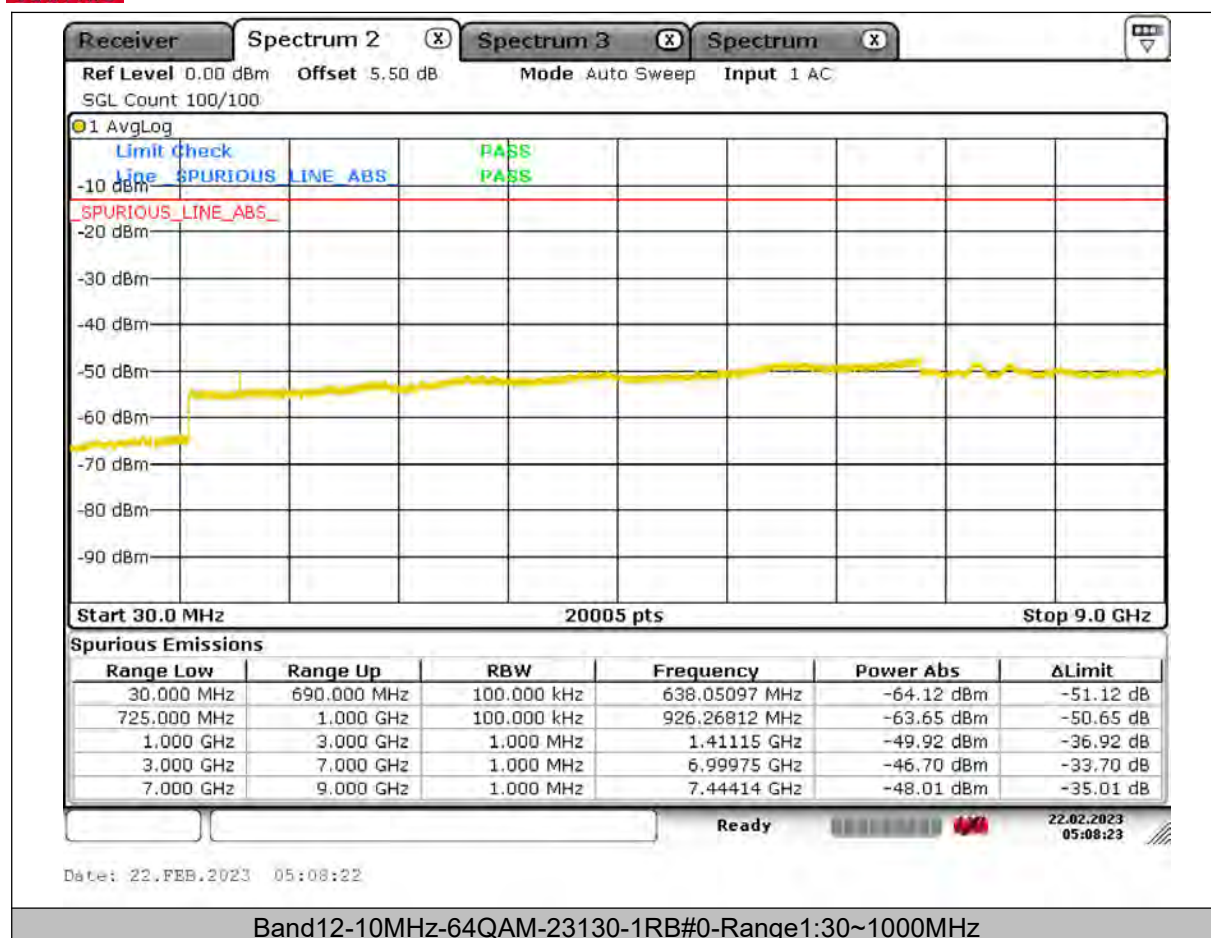
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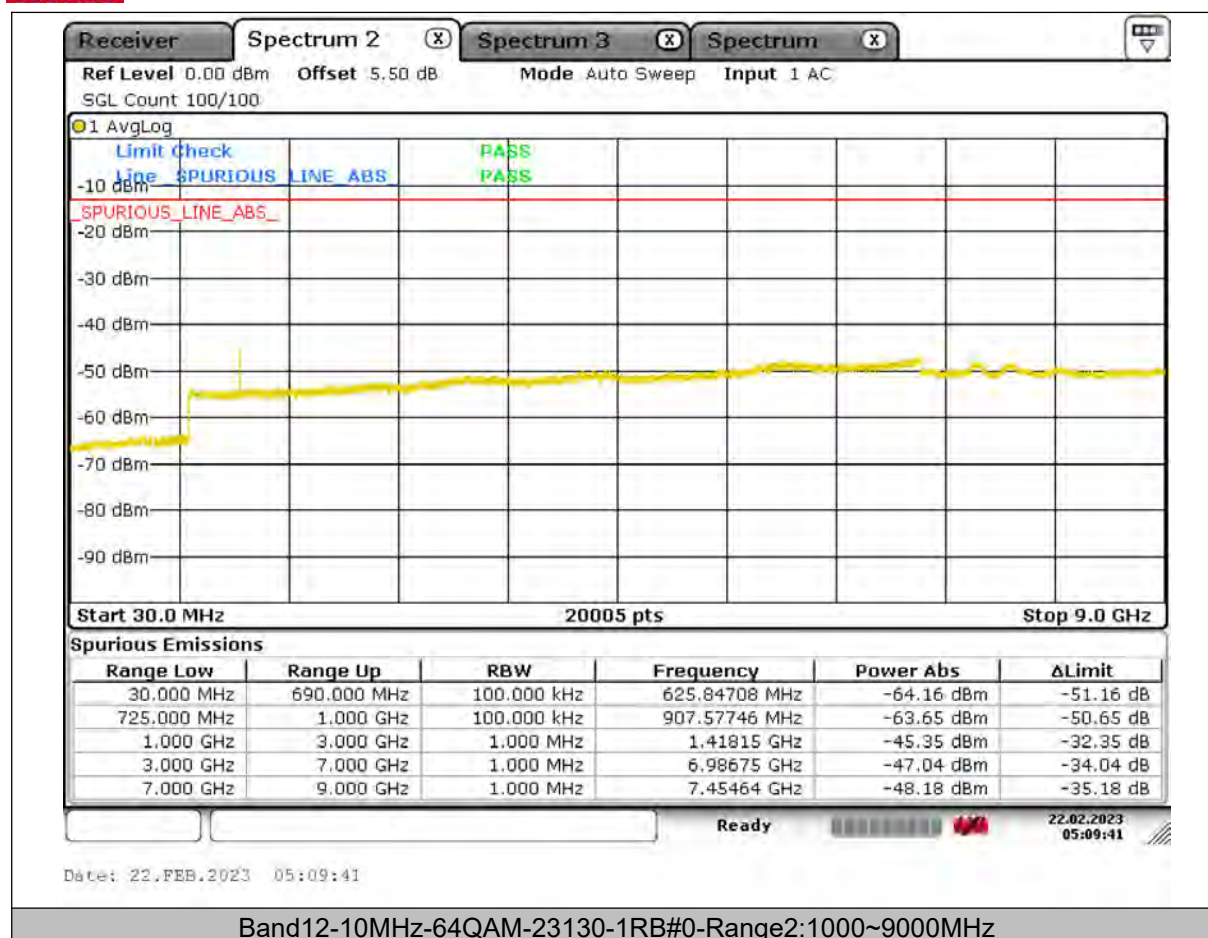
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VERITAS

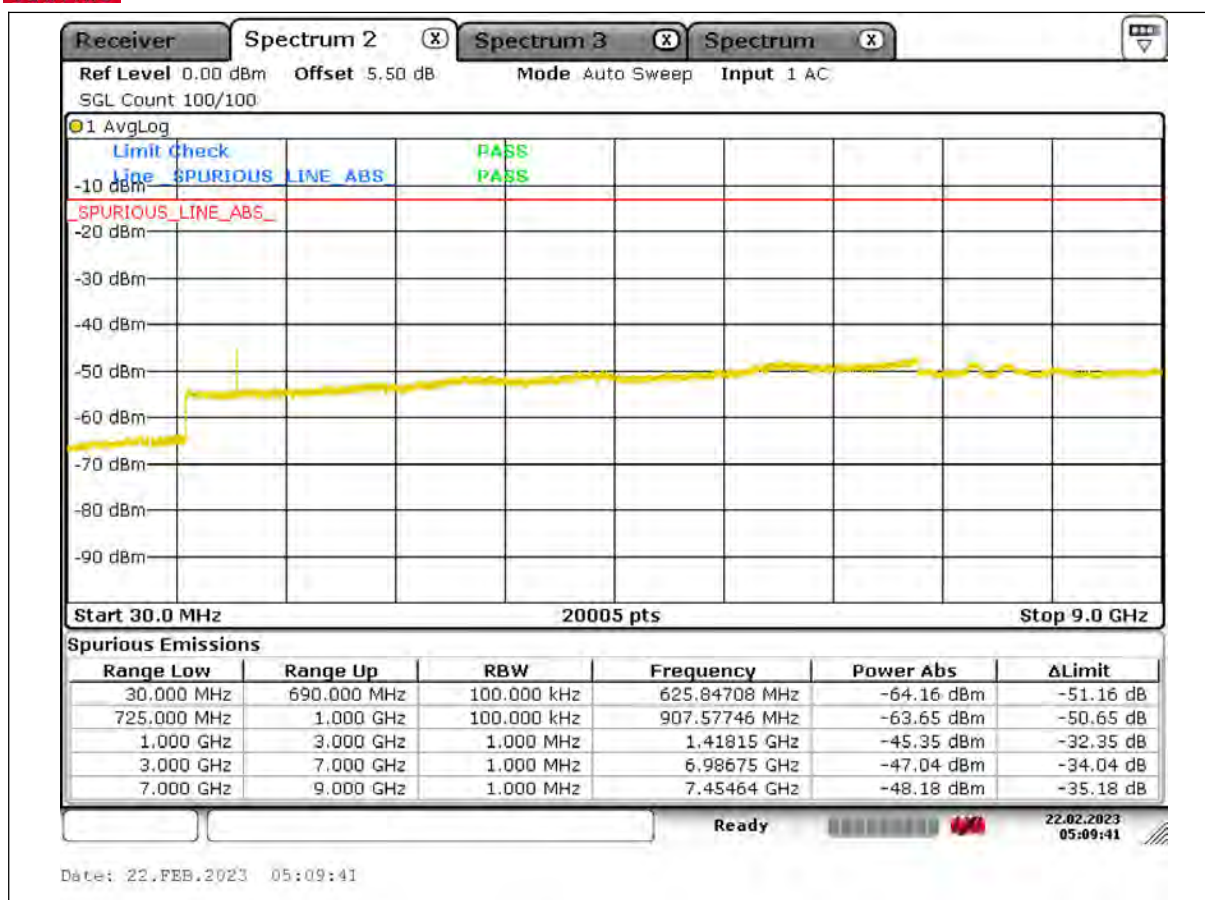
Test Report No.: W7L-P23010004-2RF03





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VERITAS

Test Report No.: W7L-P23010004-2RF03



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	5.4	0.007670	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-11.1	-0.015767	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	11.4	0.016193	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	3.8	0.005371	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-4	-0.005654	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	7.4	0.010459	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-8.1	-0.011392	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-6.1	-0.008579	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-11.6	-0.016315	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-0.6	-0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-5.7	-0.008097	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-2.8	-0.003977	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-11.4	-0.016113	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	6.1	0.008622	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-12.3	-0.017385	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	11	0.015471	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-13.5	-0.018987	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	4.8	0.006751	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	5.4	0.007670	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-11.1	-0.015767	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	11.4	0.016193	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	3.8	0.005371	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-4	-0.005654	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	7.4	0.010459	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-8.1	-0.011392	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-6.1	-0.008579	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-11.6	-0.016315	±2.5	PASS

Band12	5MHz	64QAM	23035	25RB#0	VH	NT	-11	-0.015625	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VL	NT	-5.4	-0.007633	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VN	NT	5.6	0.007915	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VH	NT	12.4	0.017527	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VL	NT	5.4	0.007595	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VN	NT	12.9	0.018143	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VH	NT	6.7	0.009423	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-3	-0.004261	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-6.5	-0.009233	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-8.3	-0.011790	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-4.2	-0.005936	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-10.5	-0.014841	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	14	0.019788	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.1	-0.004360	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	13.2	0.018565	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	5.7	0.008017	±2.5	PASS

Band1 2	5MHz	64QAM	23035	25RB#0	VH	NT	-11	-0.015625	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	VL	NT	-5.4	-0.007633	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	VN	NT	5.6	0.007915	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	VH	NT	12.4	0.017527	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	VL	NT	5.4	0.007595	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	VN	NT	12.9	0.018143	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	VH	NT	6.7	0.009423	±2.5	PASS
Band1 2	10MHz	64QAM	23060	50RB#0	VL	NT	-3	-0.004261	±2.5	PASS
Band1 2	10MHz	64QAM	23060	50RB#0	VN	NT	-6.5	-0.009233	±2.5	PASS
Band1 2	10MHz	64QAM	23060	50RB#0	VH	NT	-8.3	-0.011790	±2.5	PASS
Band1 2	10MHz	64QAM	23095	50RB#0	VL	NT	-4.2	-0.005936	±2.5	PASS
Band1 2	10MHz	64QAM	23095	50RB#0	VN	NT	-10.5	-0.014841	±2.5	PASS
Band1 2	10MHz	64QAM	23095	50RB#0	VH	NT	14	0.019788	±2.5	PASS
Band1 2	10MHz	64QAM	23130	50RB#0	VL	NT	-3.1	-0.004360	±2.5	PASS
Band1 2	10MHz	64QAM	23130	50RB#0	VN	NT	13.2	0.018565	±2.5	PASS
Band1 2	10MHz	64QAM	23130	50RB#0	VH	NT	5.7	0.008017	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 2	10MHz	QPSK	704	50RB#0	NV	-30	7.1	0.010085	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	-20	-6.5	-0.009233	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	0	9.4	0.013352	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	10	21.1	0.029972	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	20	-22.4	-0.031818	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	30	22.5	0.031960	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	40	8.6	0.012216	±2.5	PASS
Band1 2	10MHz	QPSK	704	50RB#0	NV	50	23.2	0.032955	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	-30	1.9	0.002686	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	-20	20.6	0.029117	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	0	-14.3	-0.020212	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	10	-12.7	-0.017951	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	20	12.2	0.017244	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	30	17.6	0.024876	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	40	-10.5	-0.014841	±2.5	PASS
Band1 2	10MHz	QPSK	707.5	50RB#0	NV	50	23.2	0.032792	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	-30	21.8	0.030661	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	-20	-19.1	-0.026864	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	0	14.2	0.019972	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	10	-14.4	-0.020253	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	20	22.1	0.031083	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	30	3.6	0.005063	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	40	0.3	0.000422	±2.5	PASS
Band1 2	10MHz	QPSK	711	50RB#0	NV	50	-1.9	-0.002672	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	-30	-22.3	-0.031676	±2.5	PASS



Test Report No.: W7L-P23010004-2RF03

Band1 2	10MHz	16QAM	704	50RB#0	NV	-20	8.6	0.012216	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	0	9.8	0.013920	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	10	6.2	0.008807	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	20	-23.9	-0.033949	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	30	9.2	0.013068	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	40	10.4	0.014773	±2.5	PASS
Band1 2	10MHz	16QAM	704	50RB#0	NV	50	-2	-0.002841	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	-30	-18.9	-0.026714	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	-20	-4.7	-0.006643	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	0	-17.2	-0.024311	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	10	11.4	0.016113	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	20	-3.3	-0.004664	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	30	19.8	0.027986	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	40	6.3	0.008905	±2.5	PASS
Band1 2	10MHz	16QAM	707.5	50RB#0	NV	50	-4.1	-0.005795	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	-30	-23.2	-0.032630	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	-20	1.6	0.002250	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	0	15.6	0.021941	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	10	-19.8	-0.027848	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	20	-19.6	-0.027567	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	30	16.9	0.023769	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	40	-19.9	-0.027989	±2.5	PASS
Band1 2	10MHz	16QAM	711	50RB#0	NV	50	15.3	0.021519	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	-30	11	0.015625	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	-20	-9.5	-0.013494	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	0	-8.3	-0.011790	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	10	10.9	0.015483	±2.5	PASS

Band1 2	10MHz	64QAM	704	50RB#0	NV	20	14.8	0.021023	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	30	-6.7	-0.009517	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	40	-2.6	-0.003693	±2.5	PASS
Band1 2	10MHz	64QAM	704	50RB#0	NV	50	15.2	0.021591	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	-30	0.9	0.001272	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	-20	17.9	0.025300	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	0	-9.8	-0.013852	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	10	15.6	0.022049	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	20	22.1	0.031237	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	30	-9	-0.012721	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	40	-8.8	-0.012438	±2.5	PASS
Band1 2	10MHz	64QAM	707.5	50RB#0	NV	50	-16.5	-0.023322	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	-30	8.6	0.012096	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	-20	-9.2	-0.012940	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	0	-1.1	-0.001547	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	10	-10.5	-0.014768	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	20	10.6	0.014909	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	30	-24.2	-0.034037	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	40	23.1	0.032489	±2.5	PASS
Band1 2	10MHz	64QAM	711	50RB#0	NV	50	-2.9	-0.004079	±2.5	PASS



Test Report No.: W7L-P23010004-2RF03

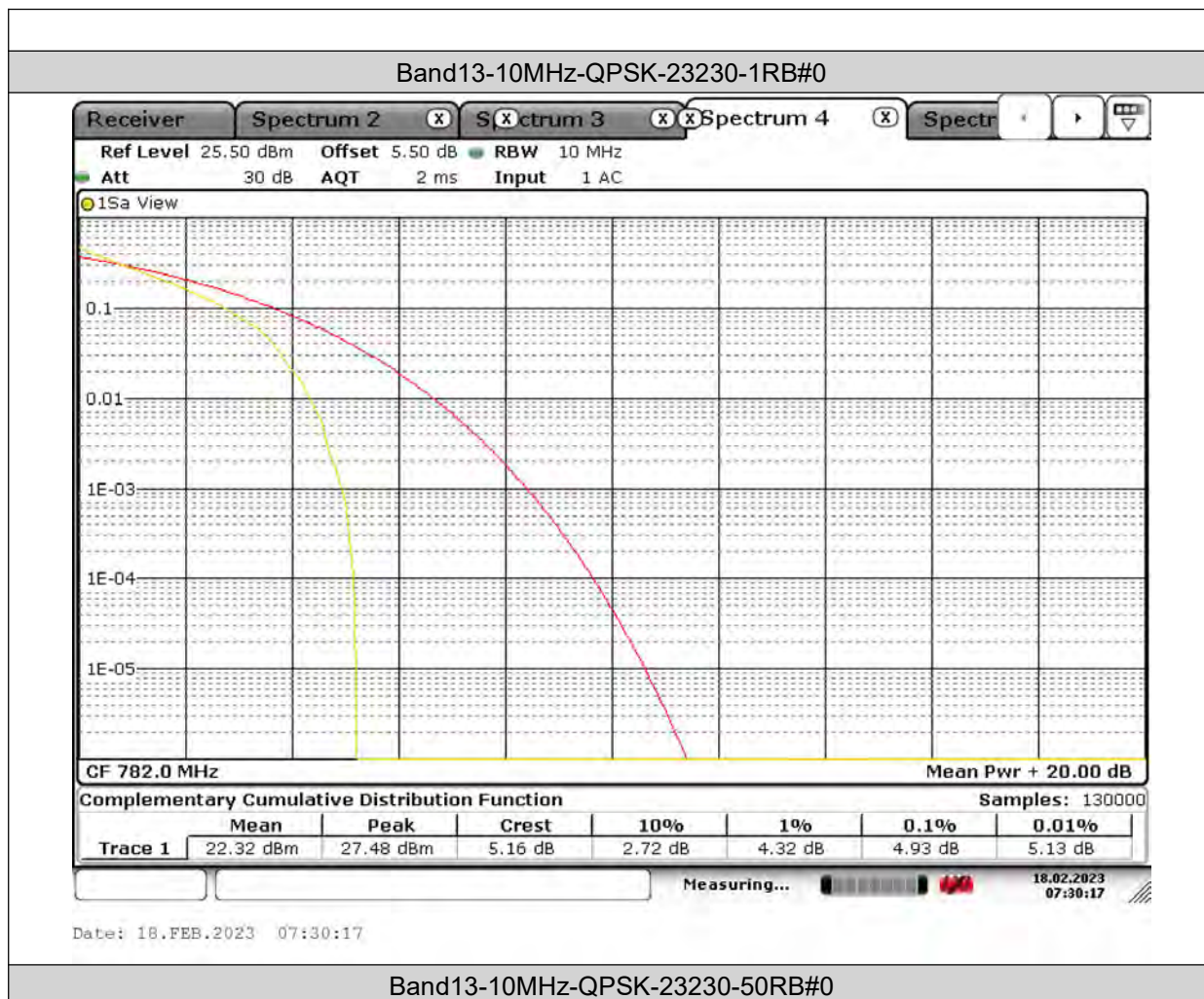
LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.93	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.54	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.86	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.46	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	6.32	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.55	13	PASS

Test Graphs





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Test Report No.: W7L-P23010004-2RF03



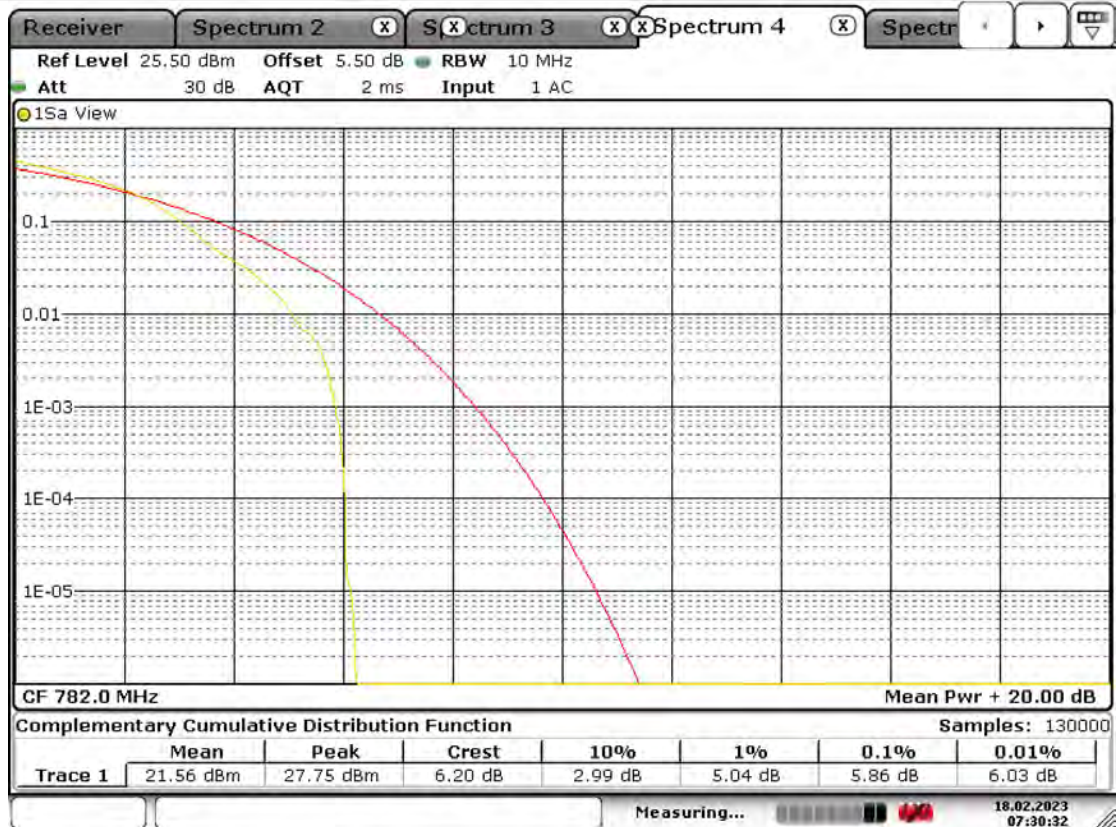
Date: 18.FEB.2023 07:30:01

Band13-10MHz-16QAM-23230-1RB#0



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Test Report No.: W7L-P23010004-2RF03



Date: 18.FEB.2023 07:30:33

Band13-10MHz-16QAM-23230-50RB#0



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Test Report No.: W7L-P23010004-2RF03



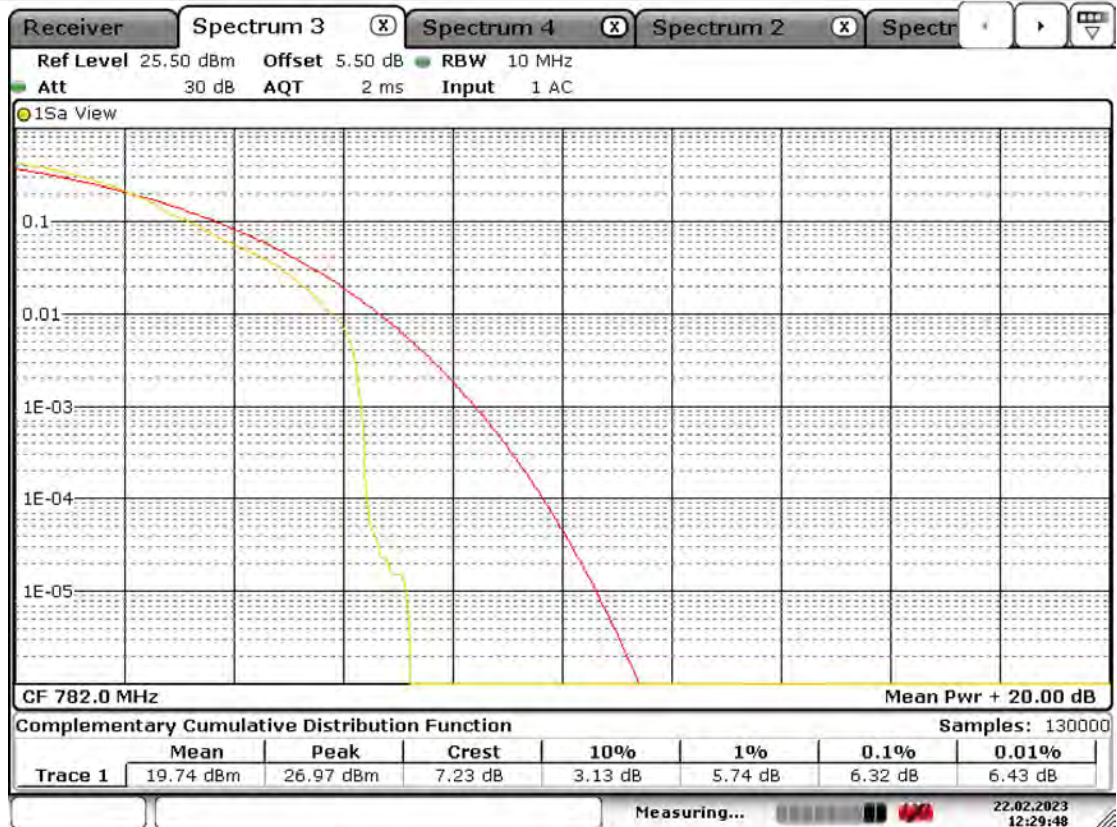
Date: 18.FEB.2023 07:29:40

Band13-10MHz-64QAM-23230-1RB#0



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Test Report No.: W7L-P23010004-2RF03



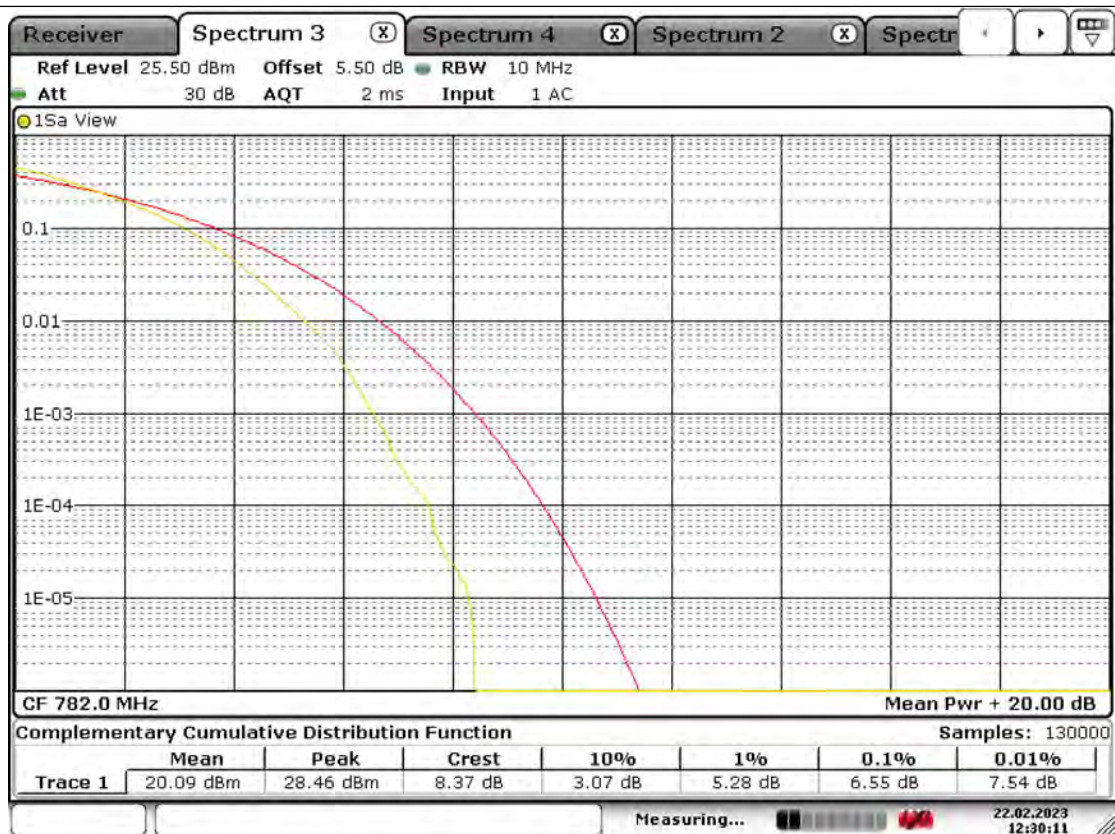
Date: 22.FEB.2023 12:29:48

Band13-10MHz-64QAM-23230-50RB#0



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Test Report No.: W7L-P23010004-2RF03



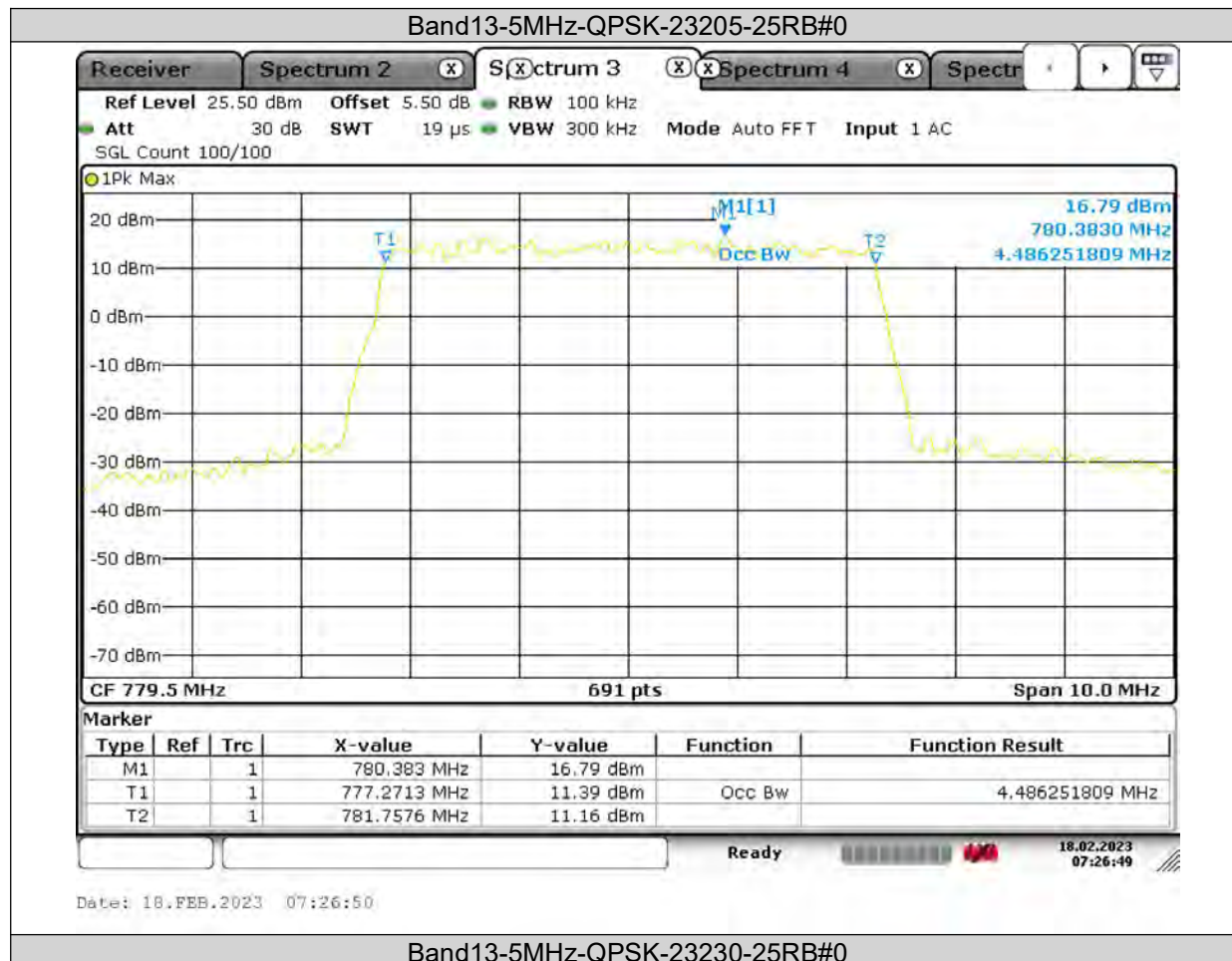
Date: 22.FEB.2023 12:30:11

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.486	4.964	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.501	4.863	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.486	4.964	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.501	4.935	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.486	4.891	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.486	4.906	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.001	9.754	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.973	9.841	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.501	4.906	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.501	4.935	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.486	4.949	PASS
Band13	10MHz	64QAM	23230	50RB#0	9.03	9.87	PASS

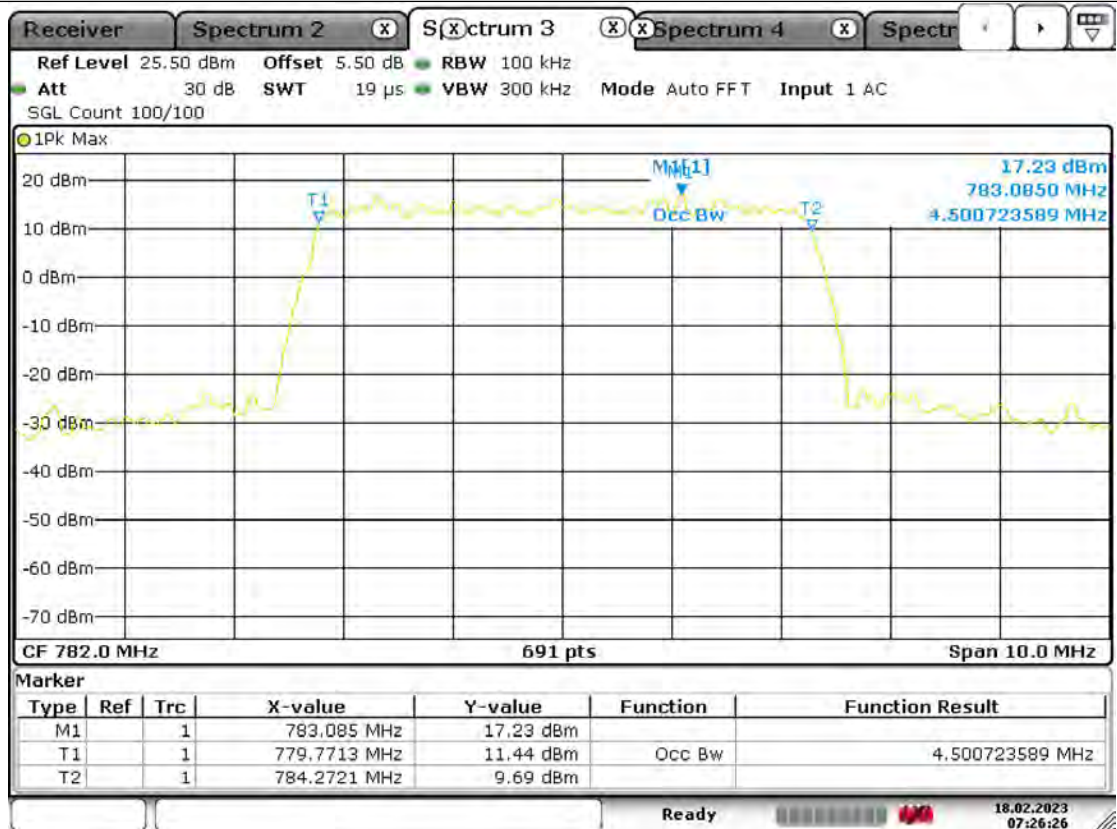
Test Graphs





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Test Report No.: W7L-P23010004-2RF03



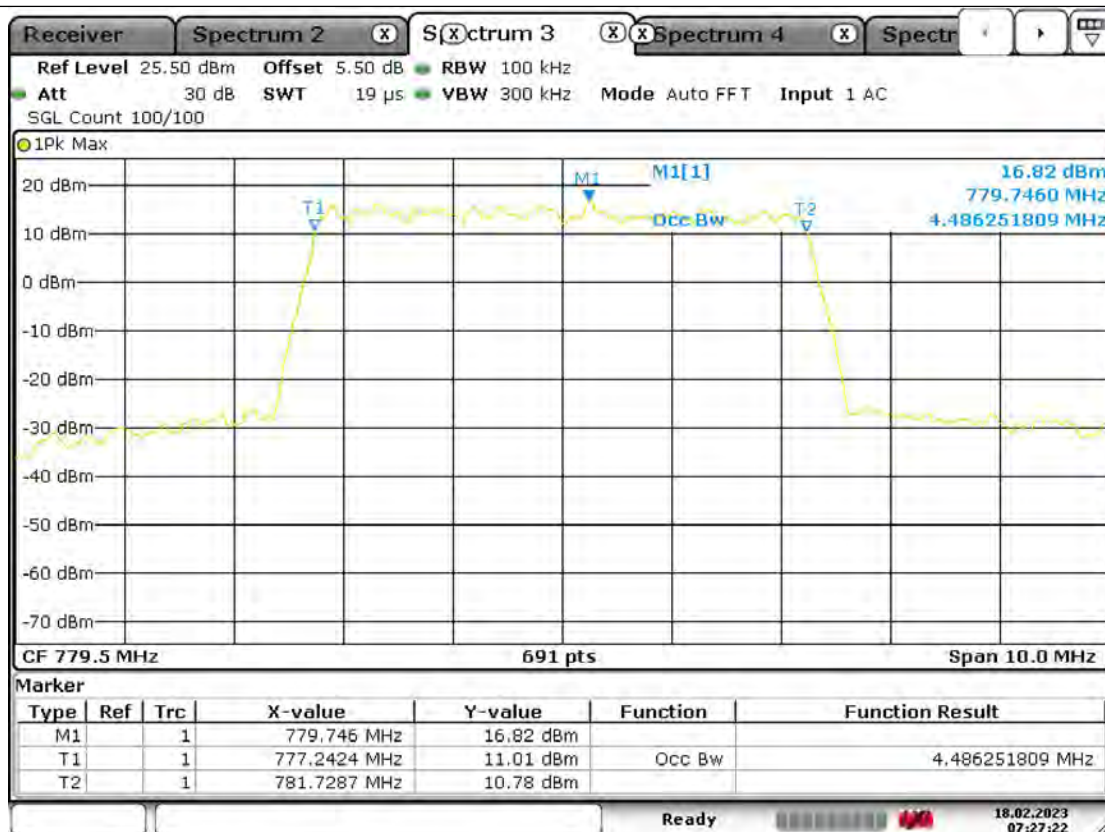
Date: 18.FEB.2023 07:26:27

Band13-5MHz-QPSK-23255-25RB#0



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Test Report No.: W7L-P23010004-2RF03



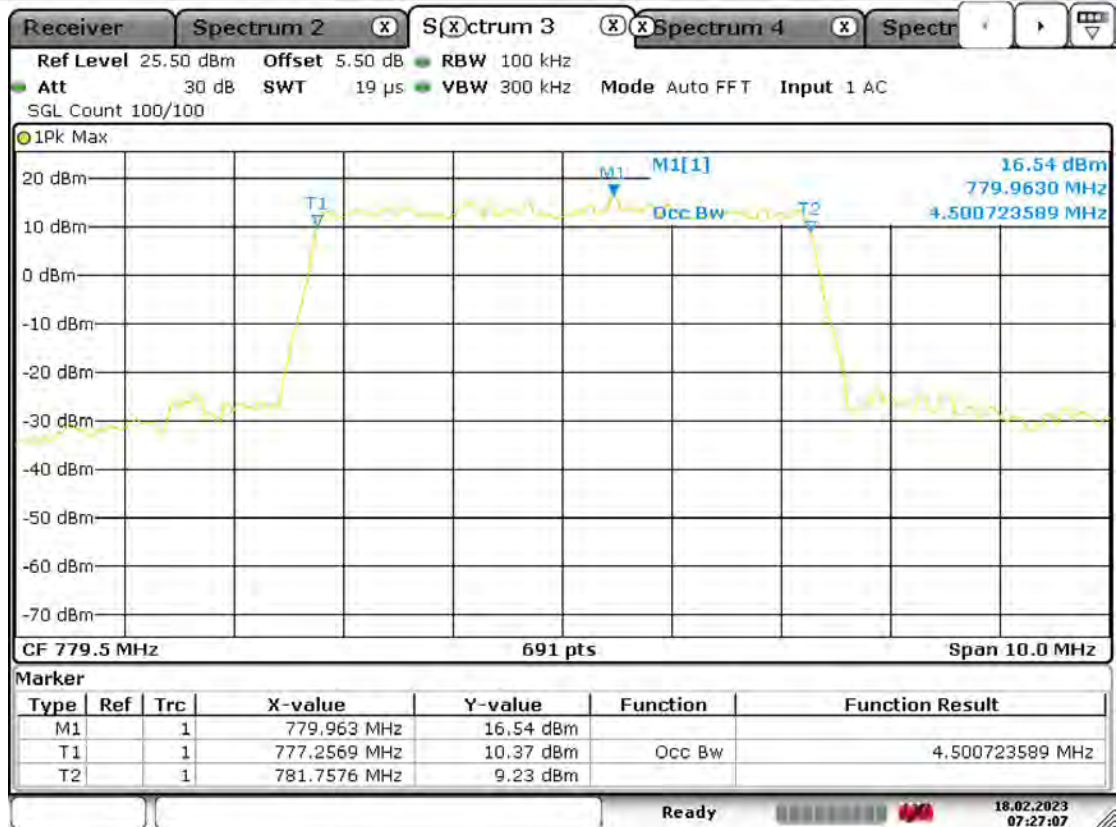
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Band13-5MHz-16QAM-23205-25RB#0



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Test Report No.: W7L-P23010004-2RF03



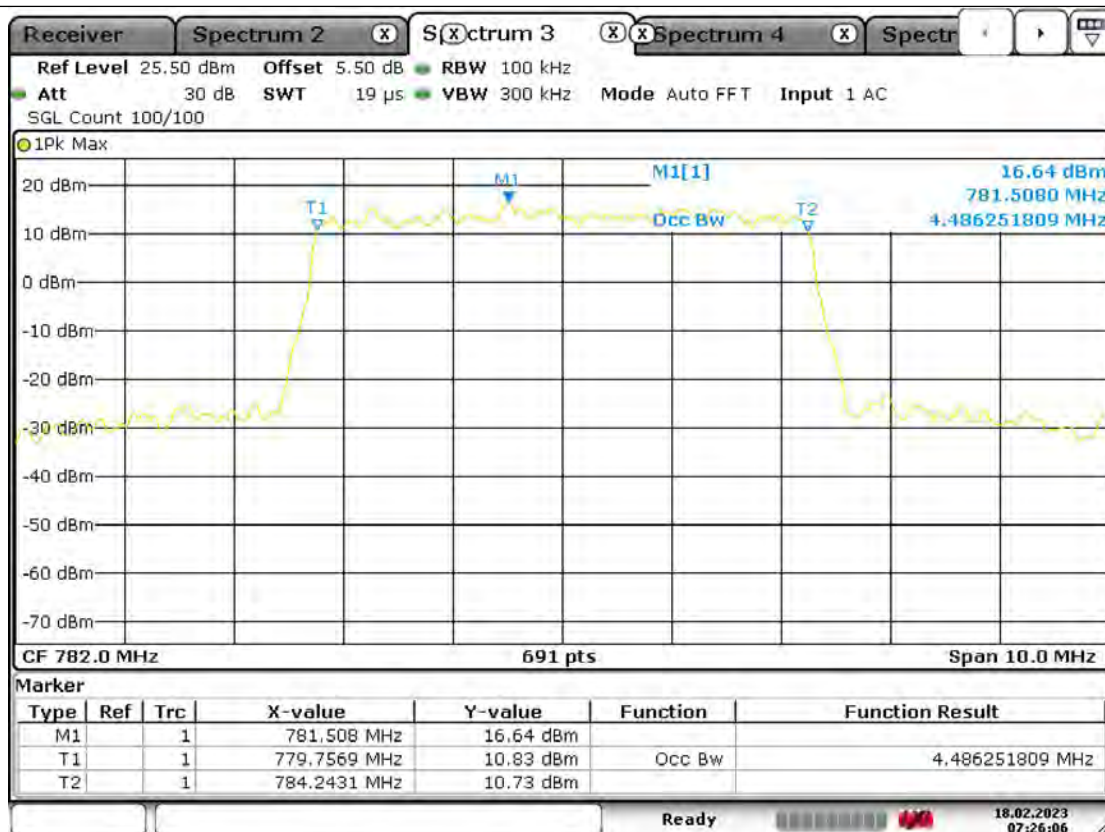
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Band13-5MHz-16QAM-23230-25RB#0



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Test Report No.: W7L-P23010004-2RF03



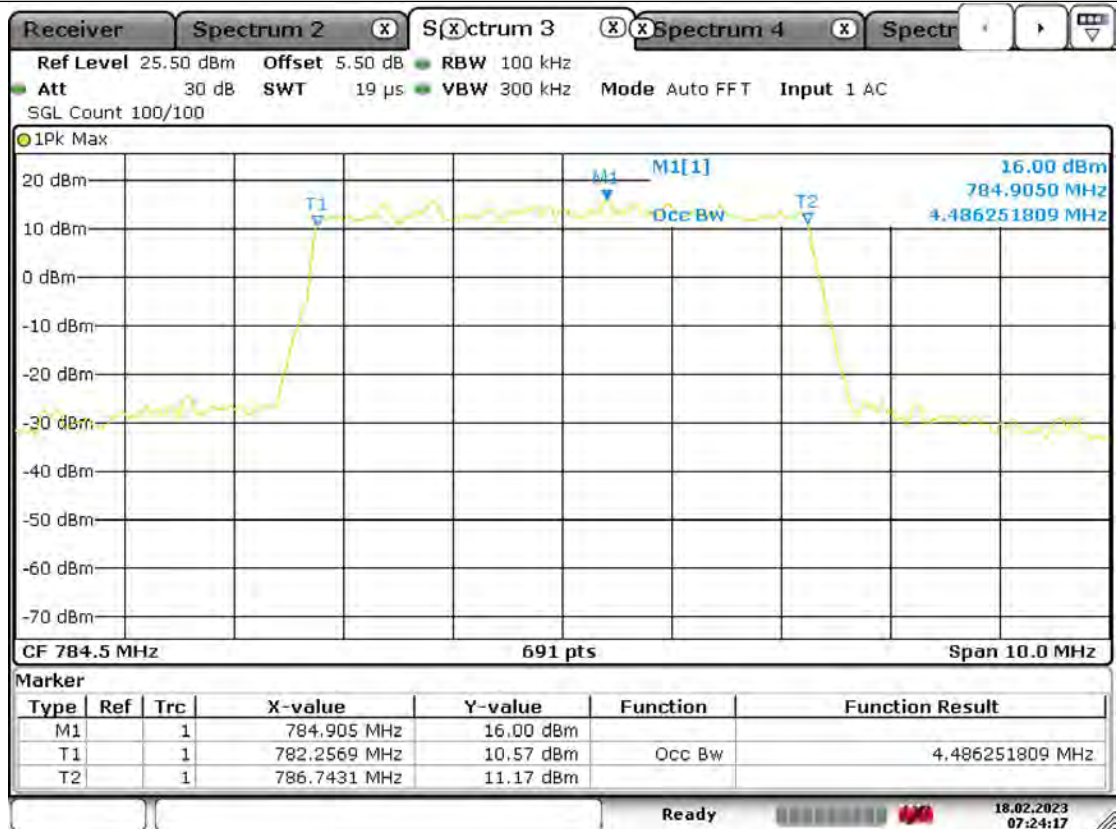
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Band13-5MHz-16QAM-23255-25RB#0



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Test Report No.: W7L-P23010004-2RF03



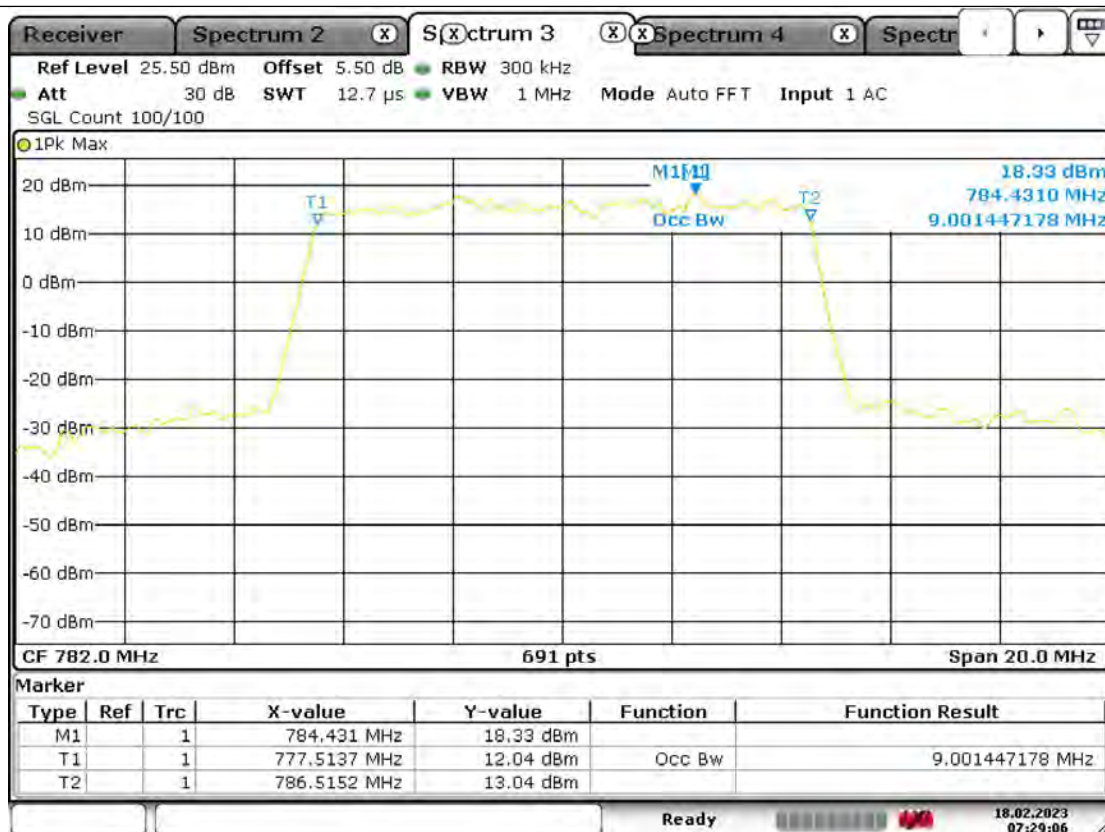
Date: 18.FEB.2023 07:24:18

Band13-10MHz-QPSK-23230-50RB#0



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Test Report No.: W7L-P23010004-2RF03



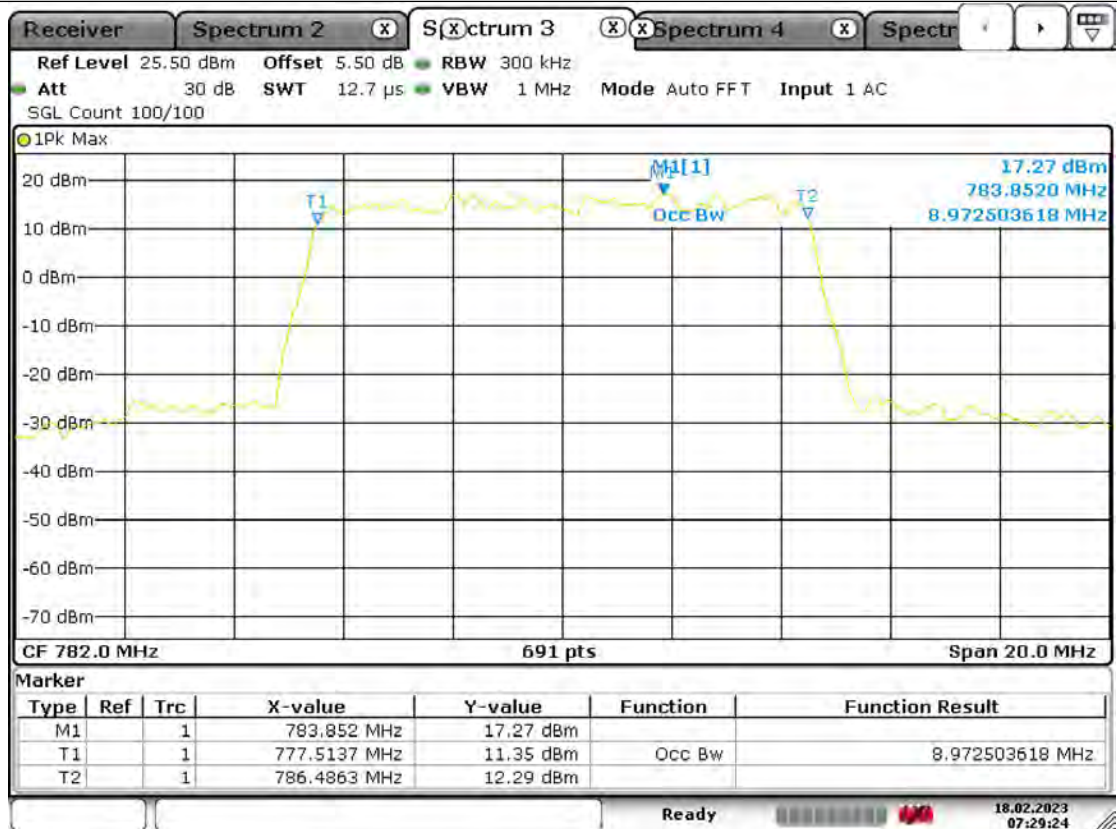
Date: 18.FEB.2023 07:29:06

Band13-10MHz-16QAM-23230-50RB#0



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Test Report No.: W7L-P23010004-2RF03



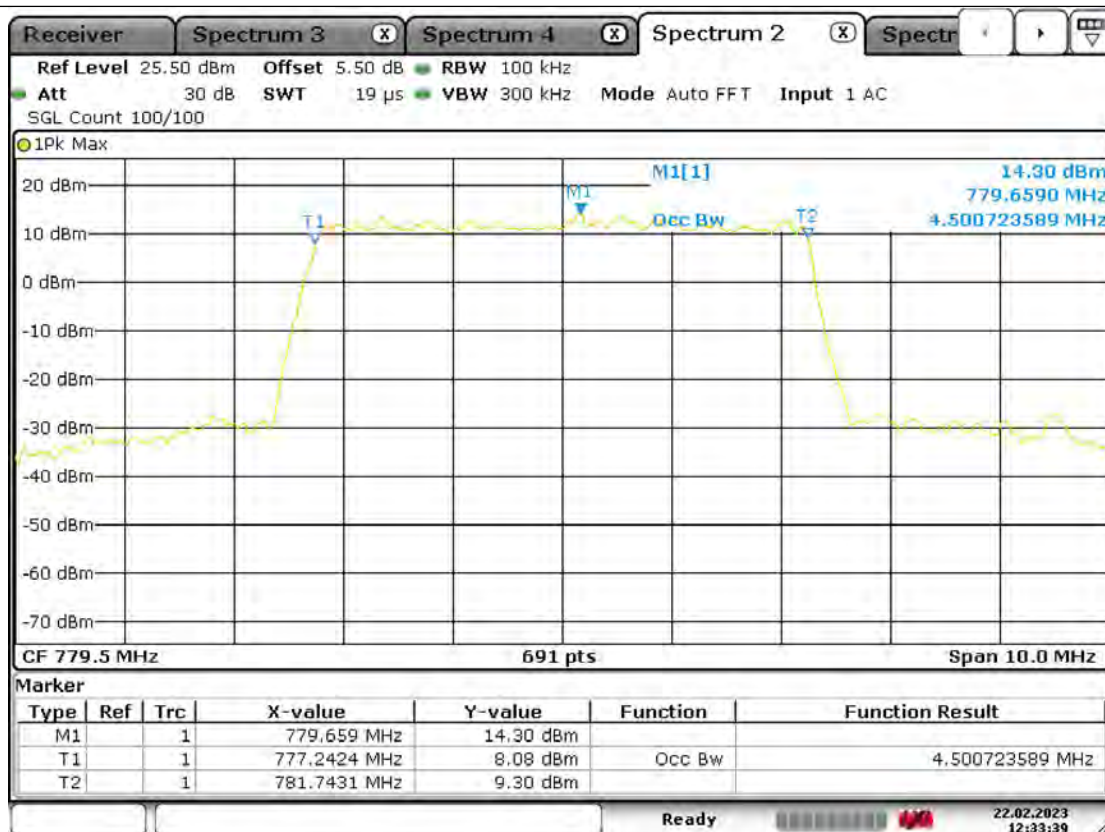
Date: 18.FEB.2023 07:29:24

Band13-5MHz-64QAM-23205-25RB#0



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Test Report No.: W7L-P23010004-2RF03



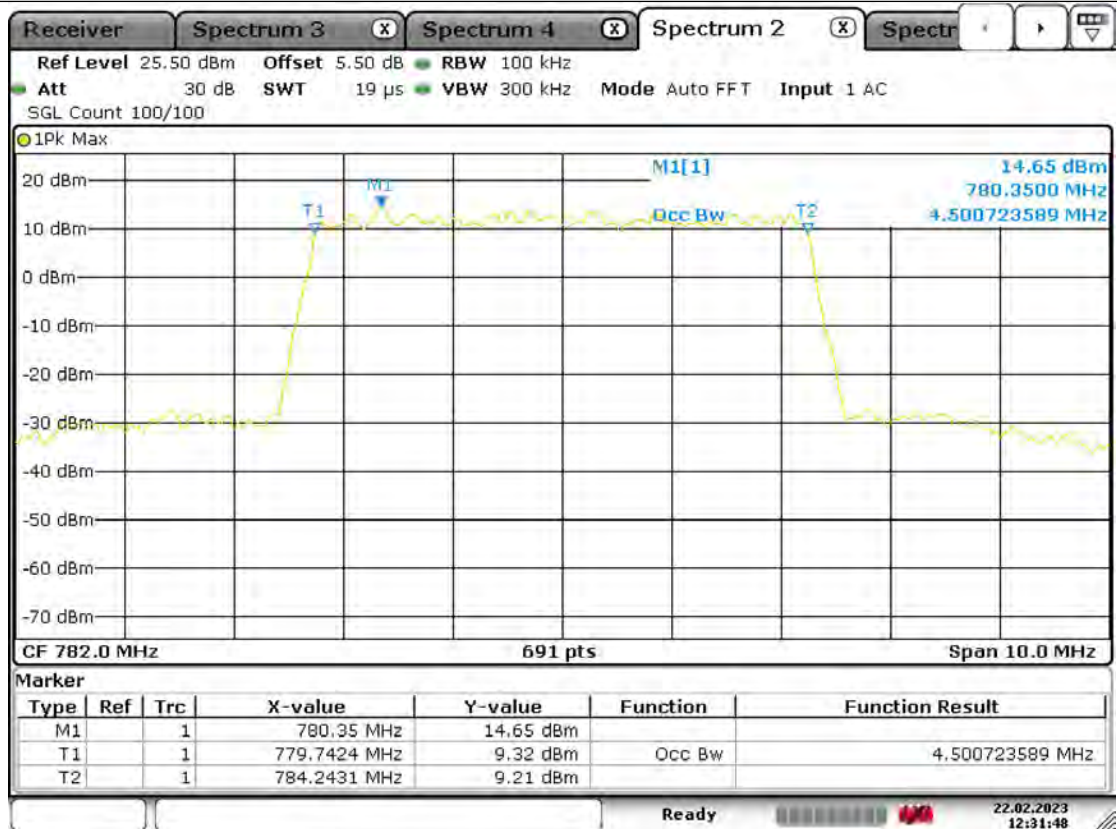
Date: 22.FEB.2023 12:33:39

Band13-5MHz-64QAM-23230-25RB#0



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Test Report No.: W7L-P23010004-2RF03



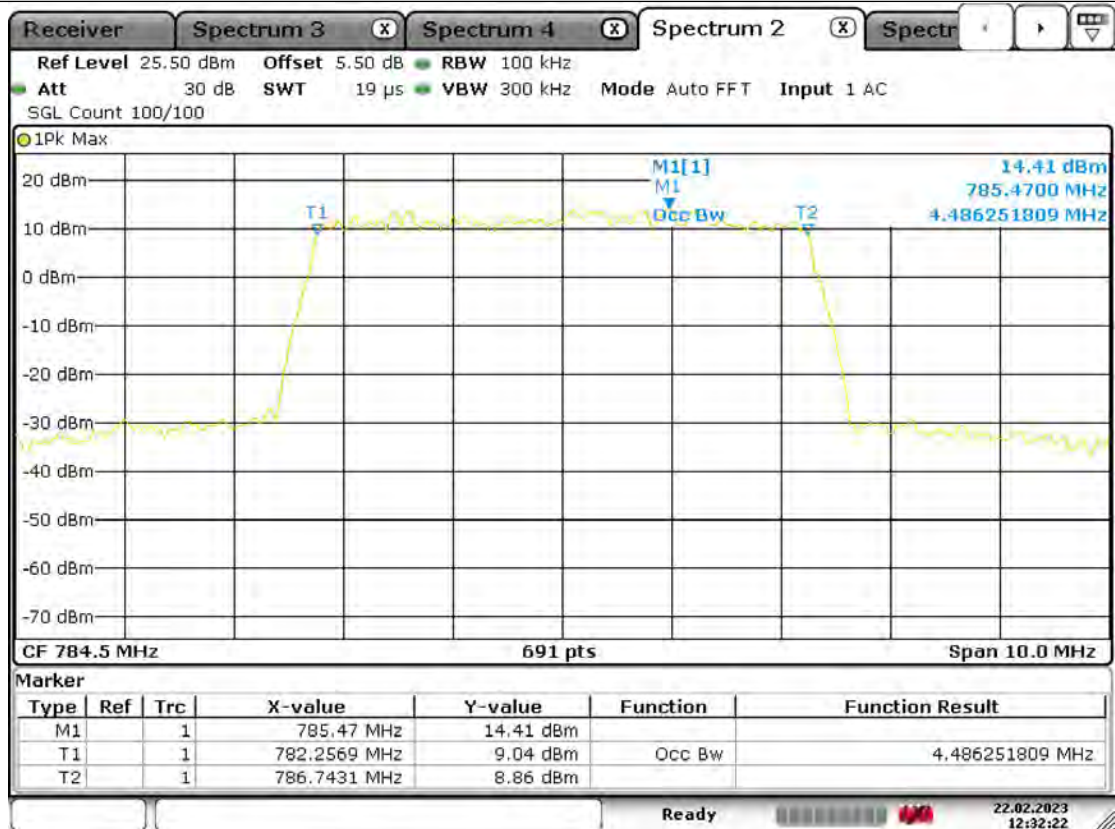
Date: 22.FEB.2023 12:31:48

Band13-5MHz-64QAM-23255-25RB#0



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Test Report No.: W7L-P23010004-2RF03



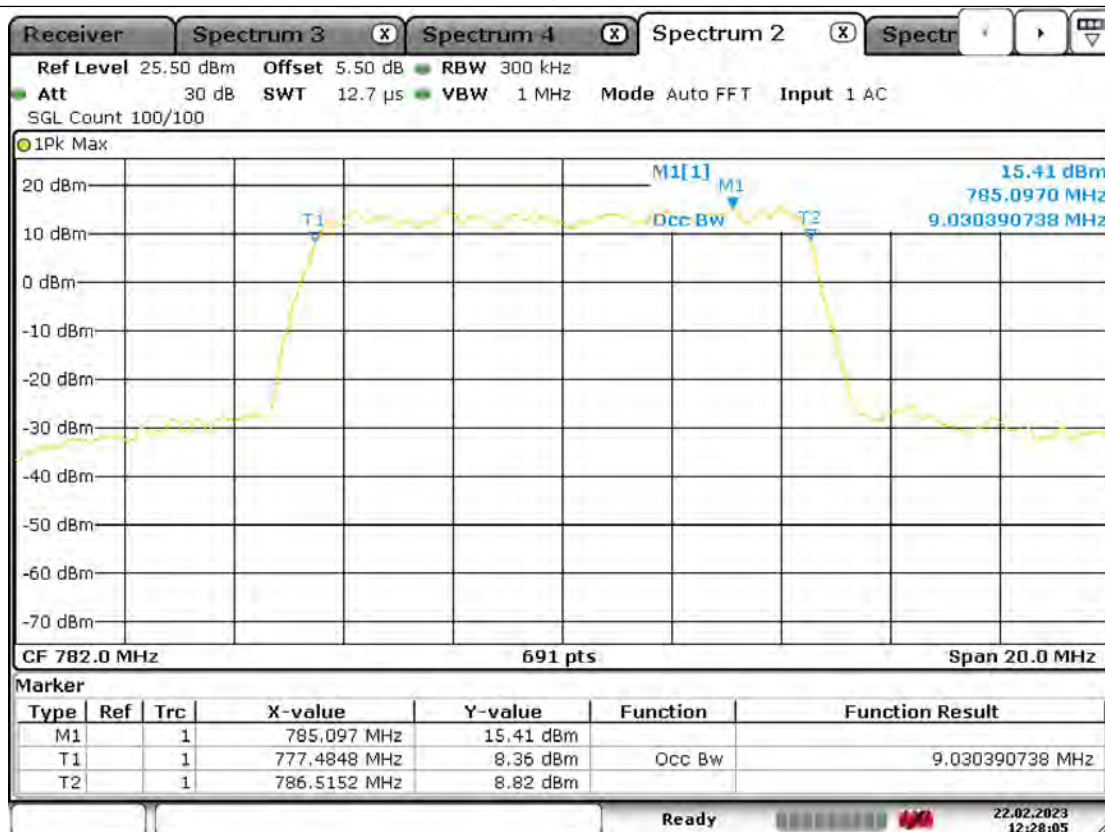
Date: 22.FEB.2023 12:32:22

Band13-10MHz-64QAM-23230-50RB#0



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Test Report No.: W7L-P23010004-2RF03



Date: 22.FEB.2023 12:28:05

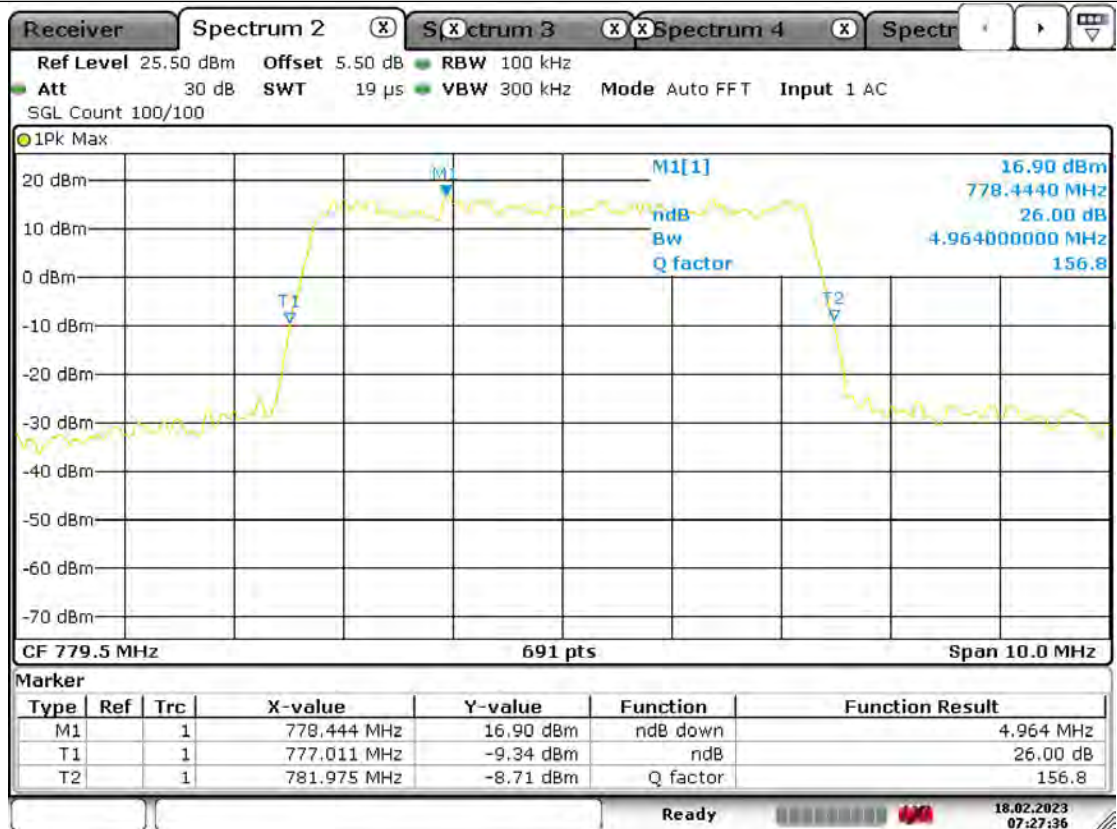
26dB Bandwidth

Band13-5MHz-QPSK-23205-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



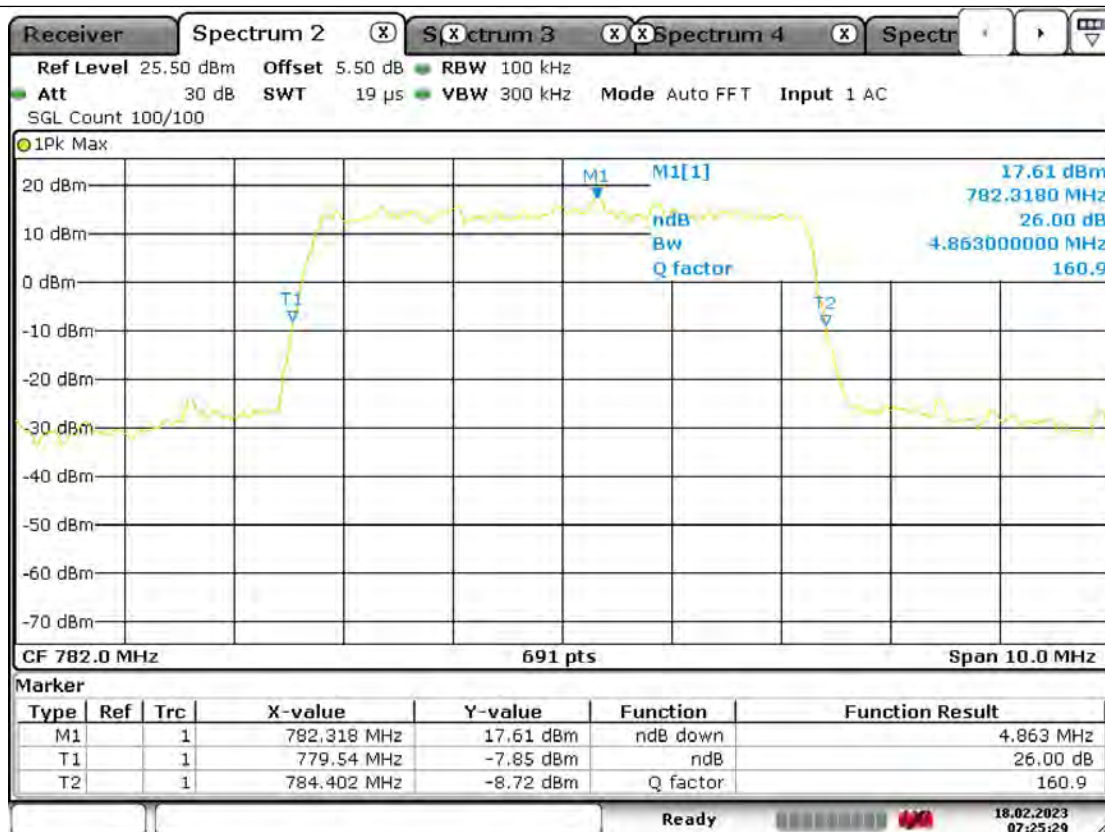
Date: 18.FEB.2023 07:27:37

Band13-5MHz-QPSK-23230-25RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



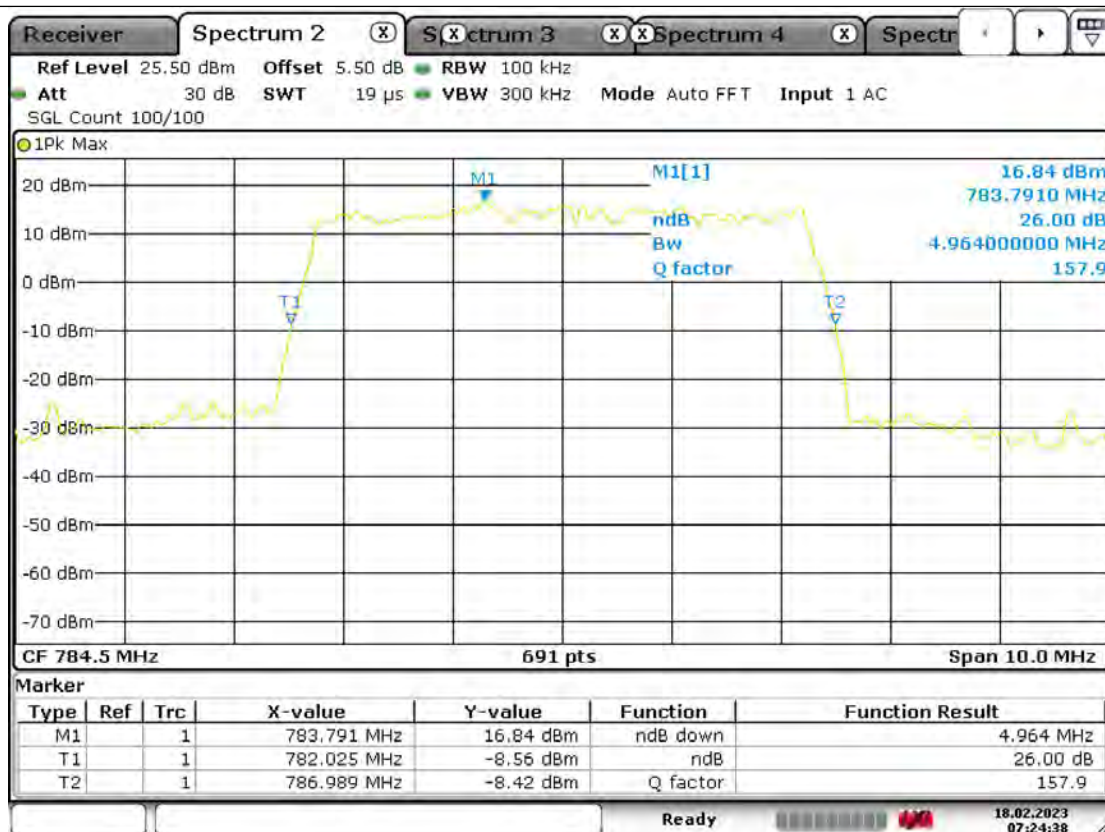
Date: 18.FEB.2023 07:25:30

Band13-5MHz-QPSK-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



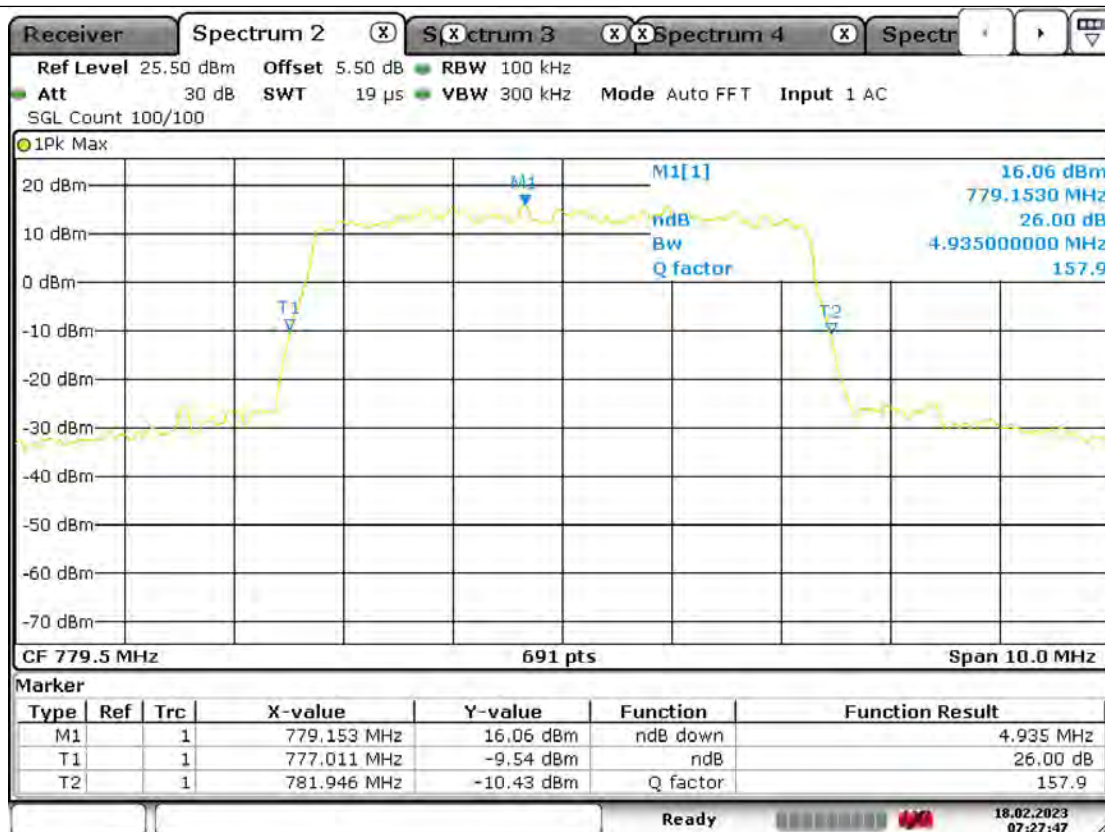
Date: 18.FEB.2023 07:24:38

Band13-5MHz-16QAM-23205-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



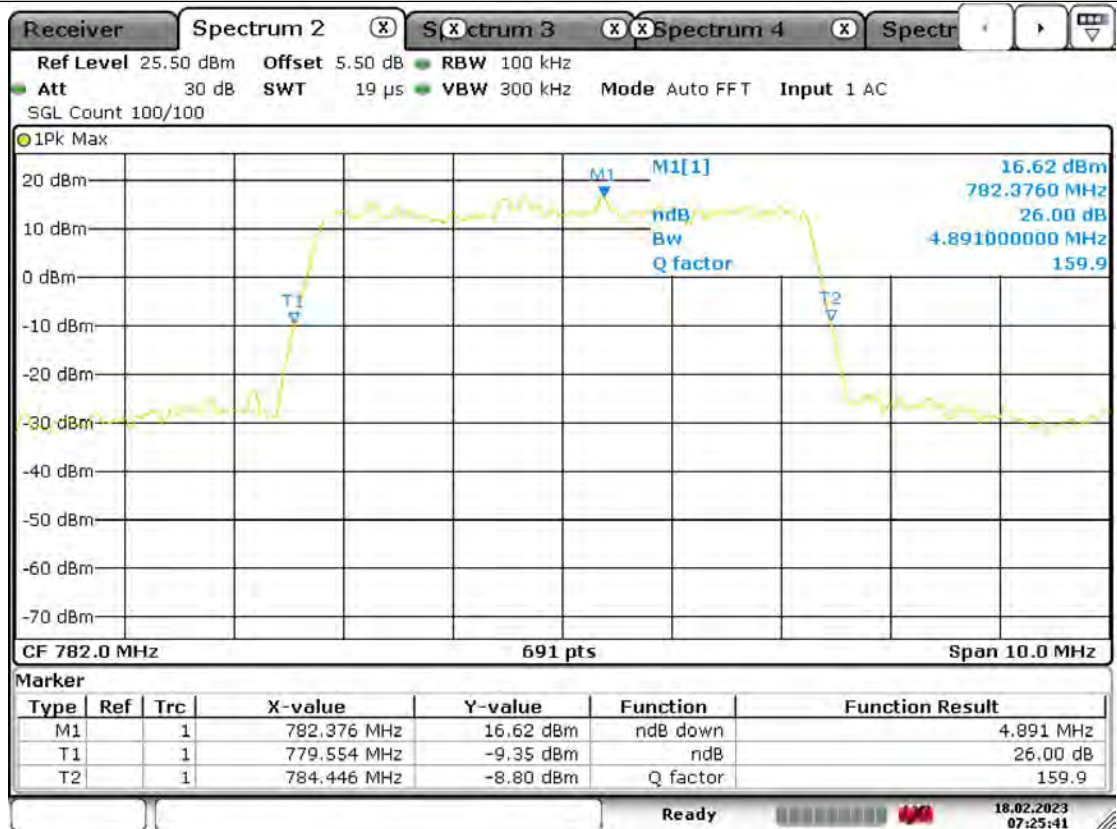
Date: 18.FEB.2023 07:27:48

Band13-5MHz-16QAM-23230-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



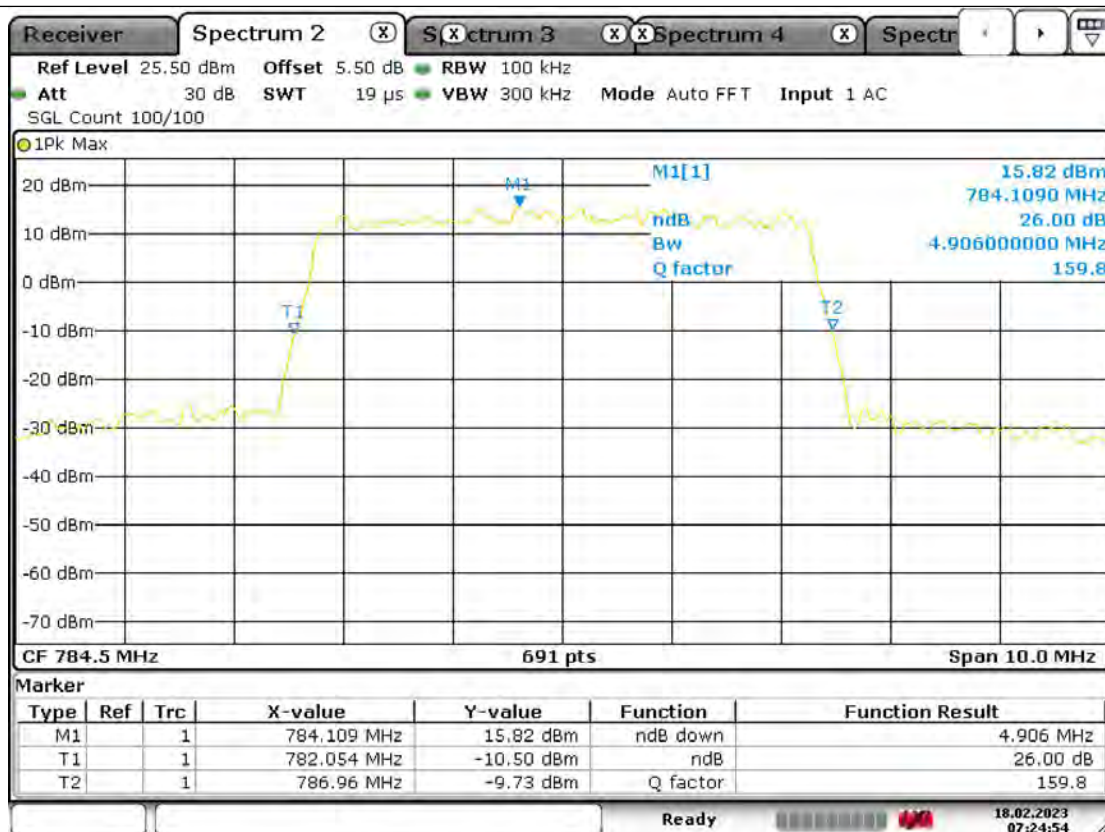
Date: 18.FEB.2023 07:25:41

Band13-5MHz-16QAM-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



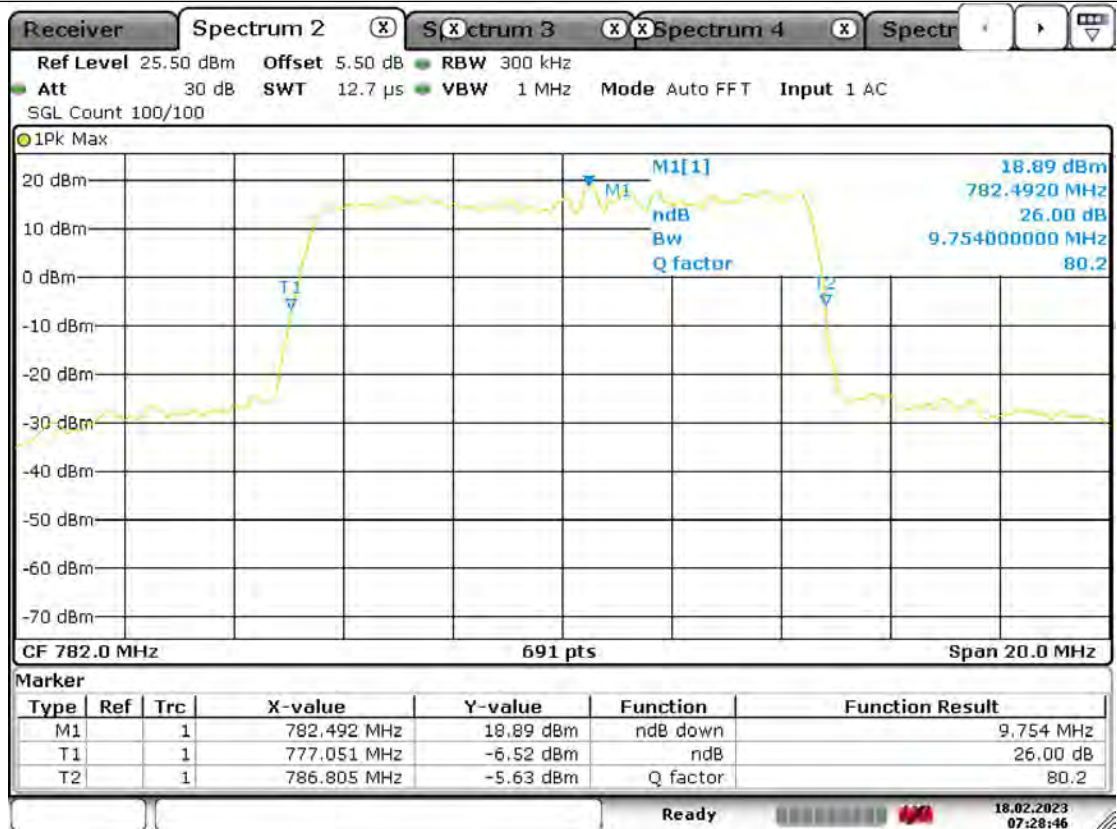
Date: 18.FEB.2023 07:24:55

Band13-10MHz-QPSK-23230-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



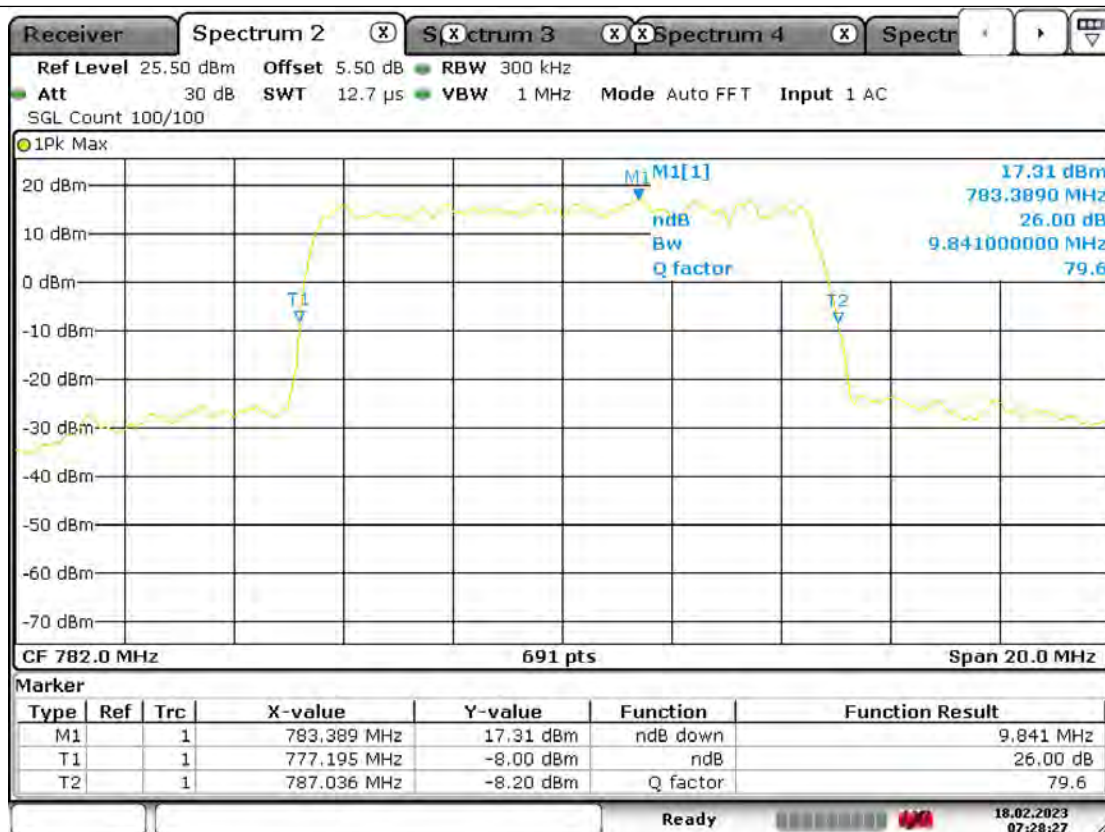
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Band13-10MHz-16QAM-23230-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



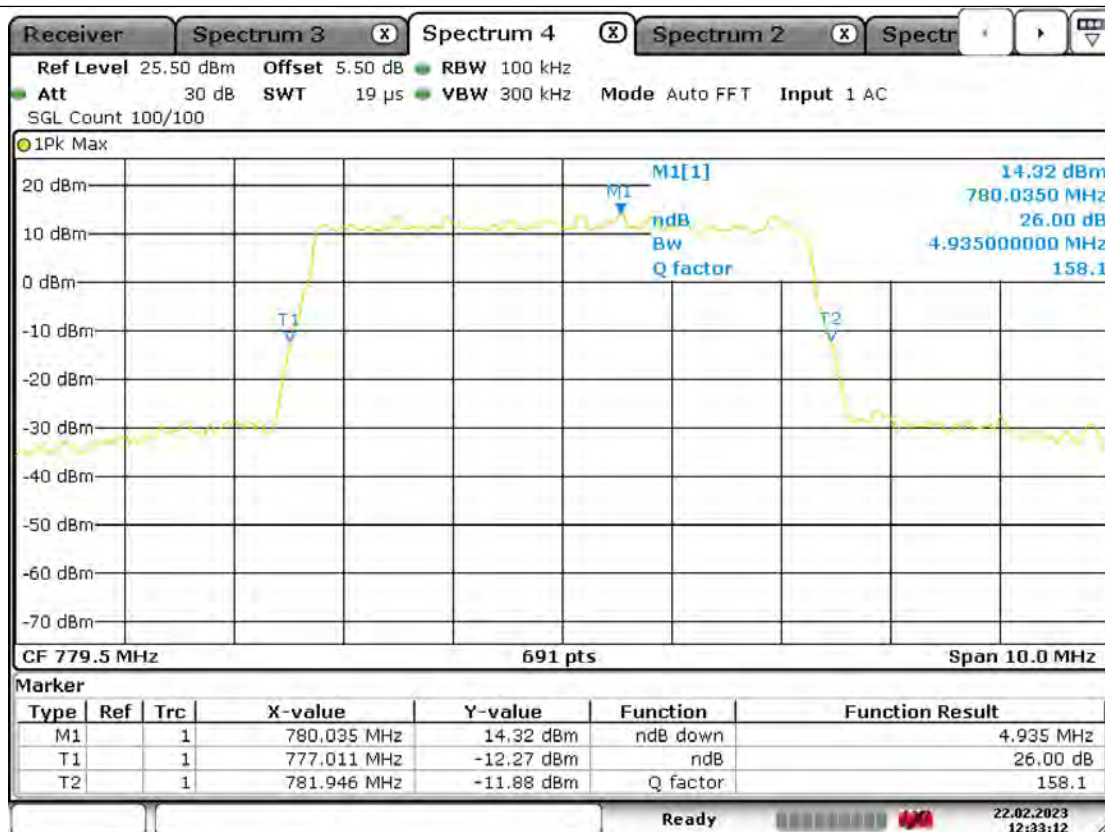
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Band13-5MHz-64QAM-23205-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



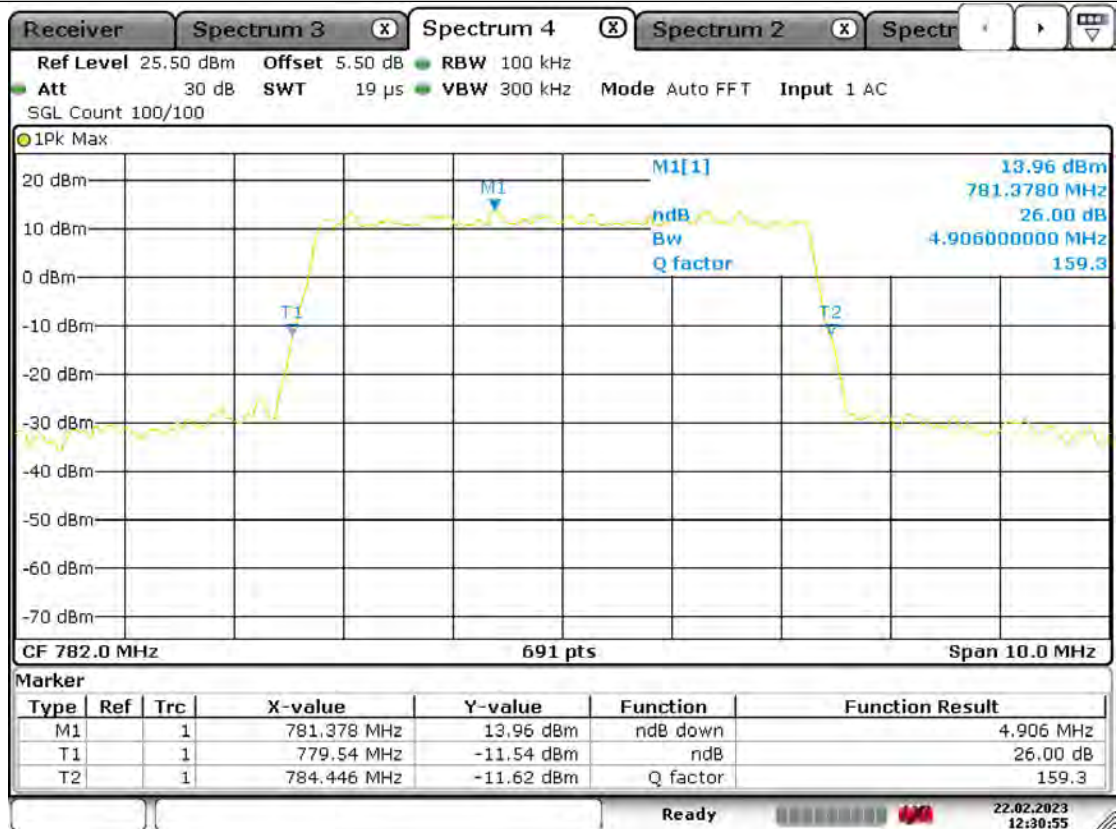
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Band13-5MHz-64QAM-23230-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



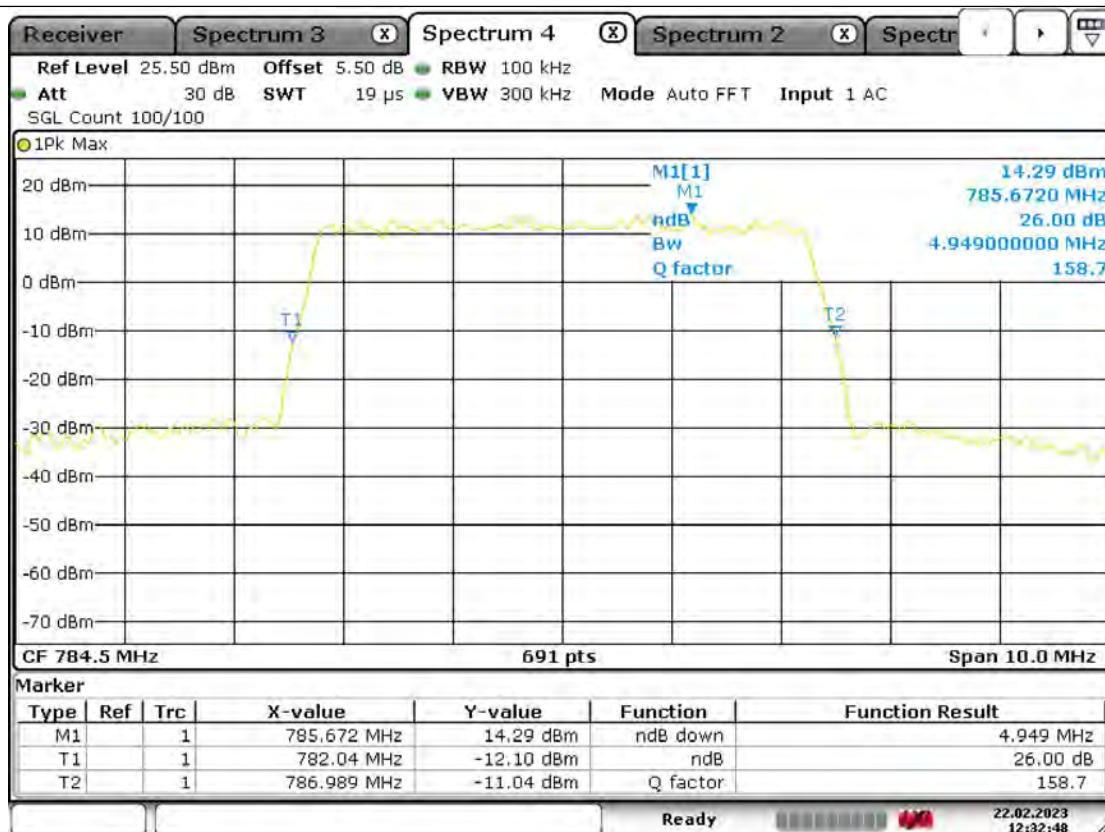
Date: 22.FEB.2023 12:30:55

Band13-5MHz-64QAM-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



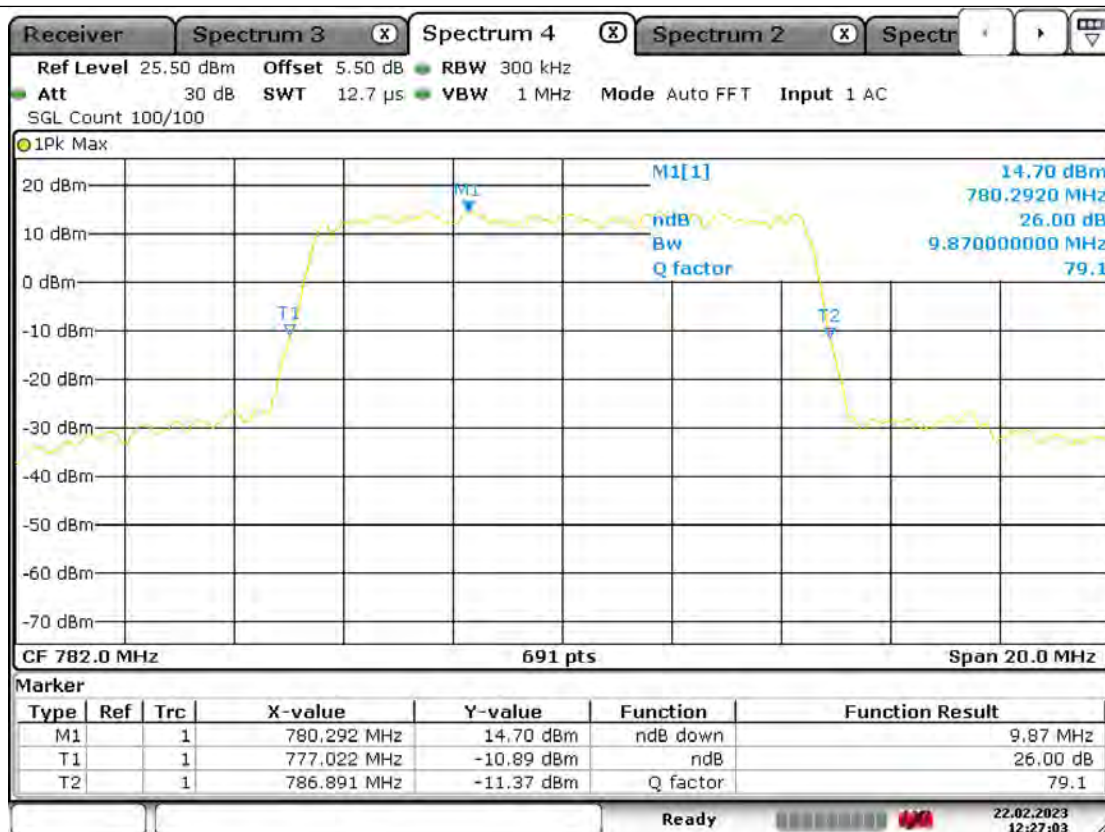
Date: 22.FEB.2023 12:32:48

Band13-10MHz-64QAM-23230-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



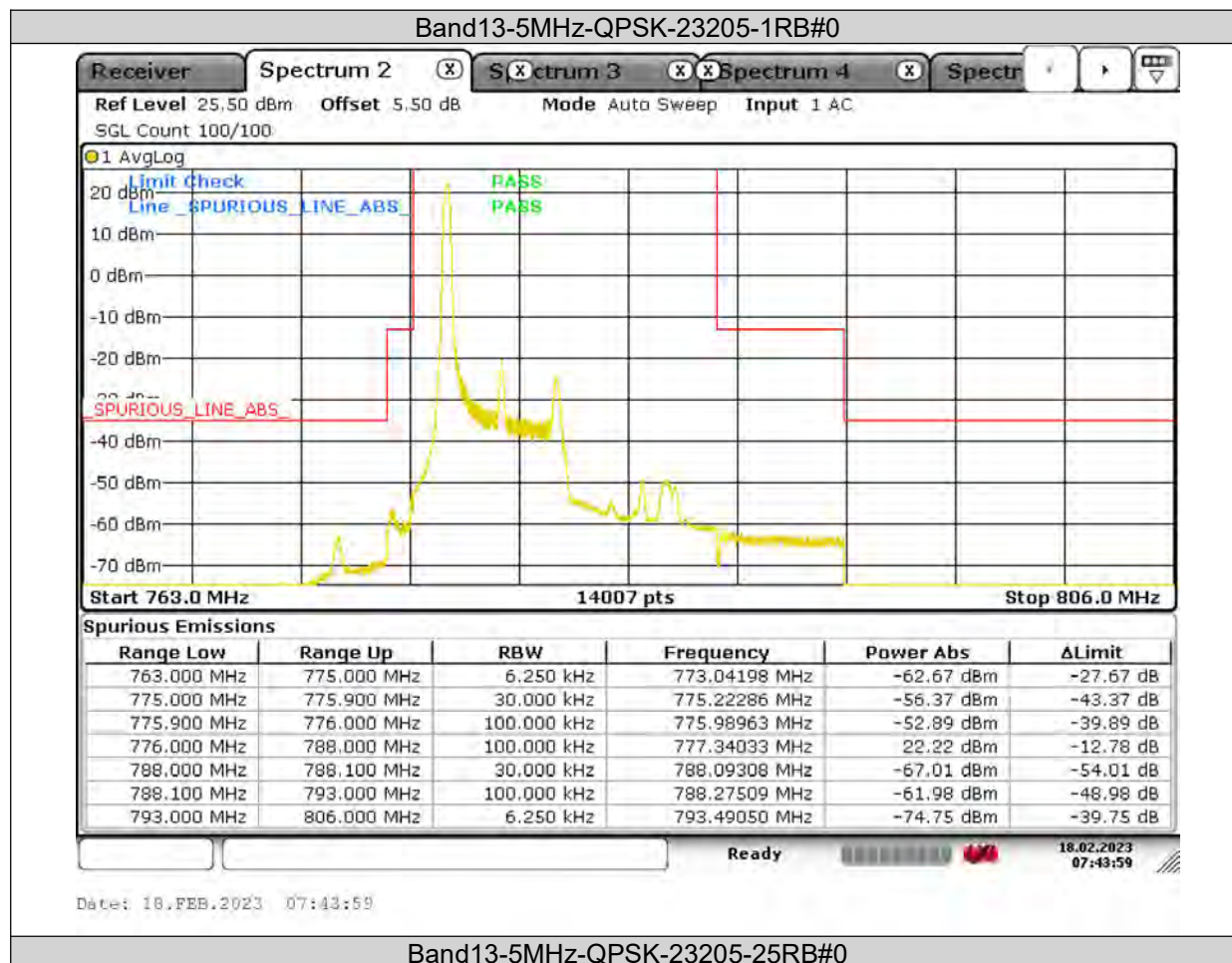
Date: 22.FEB.2023 12:27:03

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-52.89	PASS
Band13	5MHz	QPSK	23205	25RB#0	-38.54	PASS
Band13	5MHz	QPSK	23255	1RB#24	-52.93	PASS
Band13	5MHz	QPSK	23255	25RB#0	-39.82	PASS
Band13	5MHz	16QAM	23205	1RB#0	-53.87	PASS
Band13	5MHz	16QAM	23205	25RB#0	-37.71	PASS
Band13	5MHz	16QAM	23255	1RB#24	-53.09	PASS
Band13	5MHz	16QAM	23255	25RB#0	-39.14	PASS
Band13	10MHz	QPSK	23230	1RB#0	-55.47	PASS
Band13	10MHz	QPSK	23230	1RB#49	-54.86	PASS
Band13	10MHz	QPSK	23230	50RB#0	-38.84	PASS
Band13	10MHz	16QAM	23230	1RB#0	-55.68	PASS
Band13	10MHz	16QAM	23230	1RB#49	-55.38	PASS
Band13	10MHz	16QAM	23230	50RB#0	-38.58	PASS
Band13	5MHz	64QAM	23205	1RB#0	-52.34	PASS
Band13	5MHz	64QAM	23205	25RB#0	-40.3	PASS
Band13	5MHz	64QAM	23255	1RB#24	-55.45	PASS
Band13	5MHz	64QAM	23255	25RB#0	-41.45	PASS
Band13	10MHz	64QAM	23230	1RB#0	-55.3	PASS
Band13	10MHz	64QAM	23230	1RB#49	-57.04	PASS
Band13	10MHz	64QAM	23230	50RB#0	-41.22	PASS

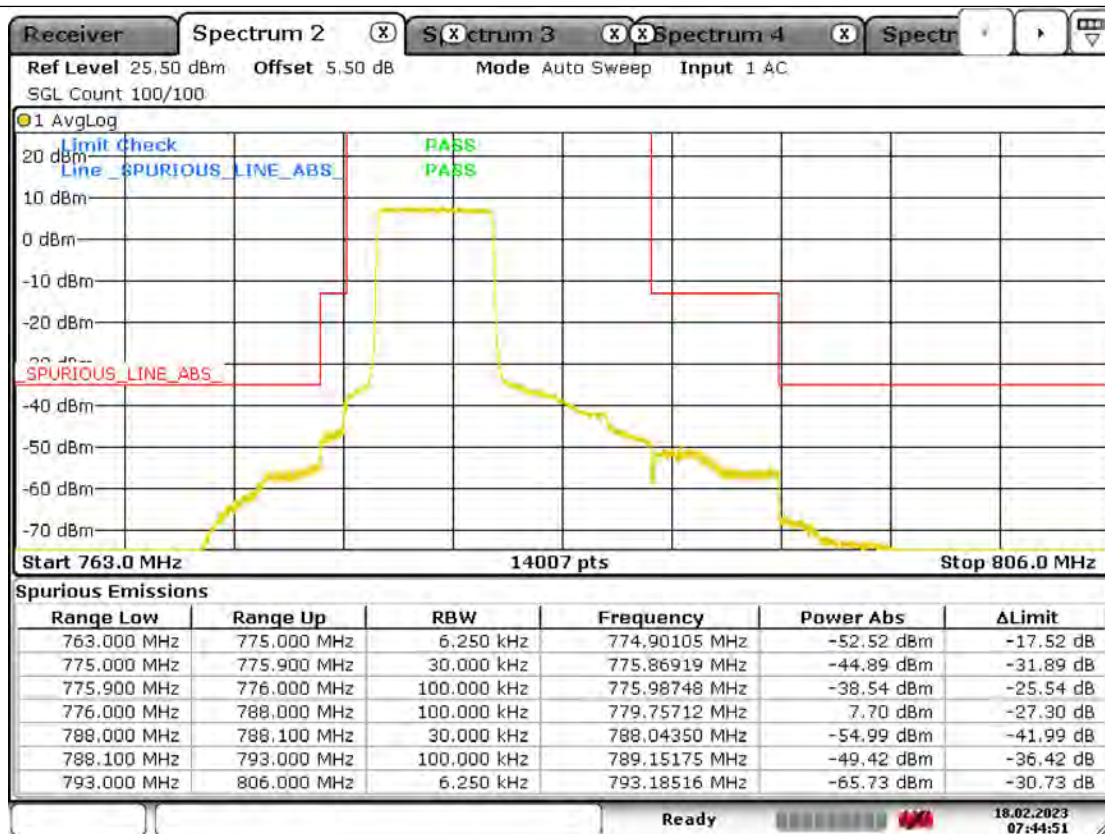
Test Graphs





BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



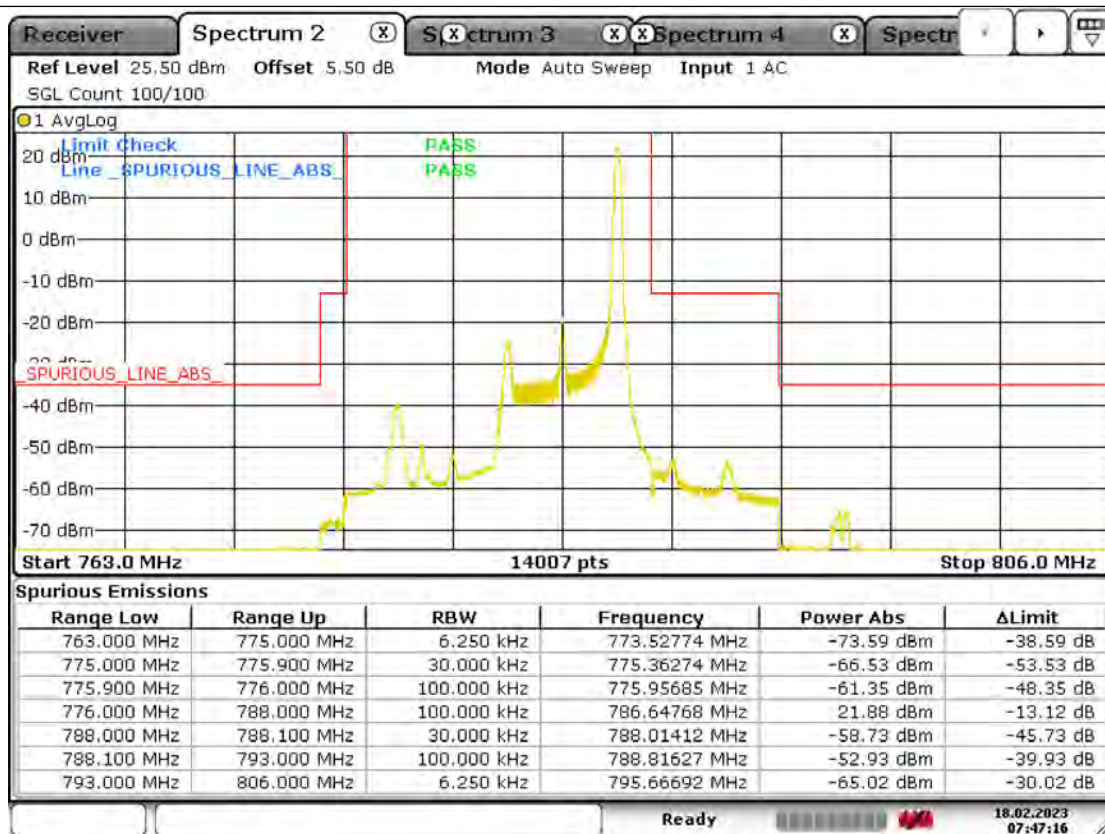
Date: 18.FEB.2023 07:44:51

Band13-5MHz-QPSK-23255-1RB#24



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



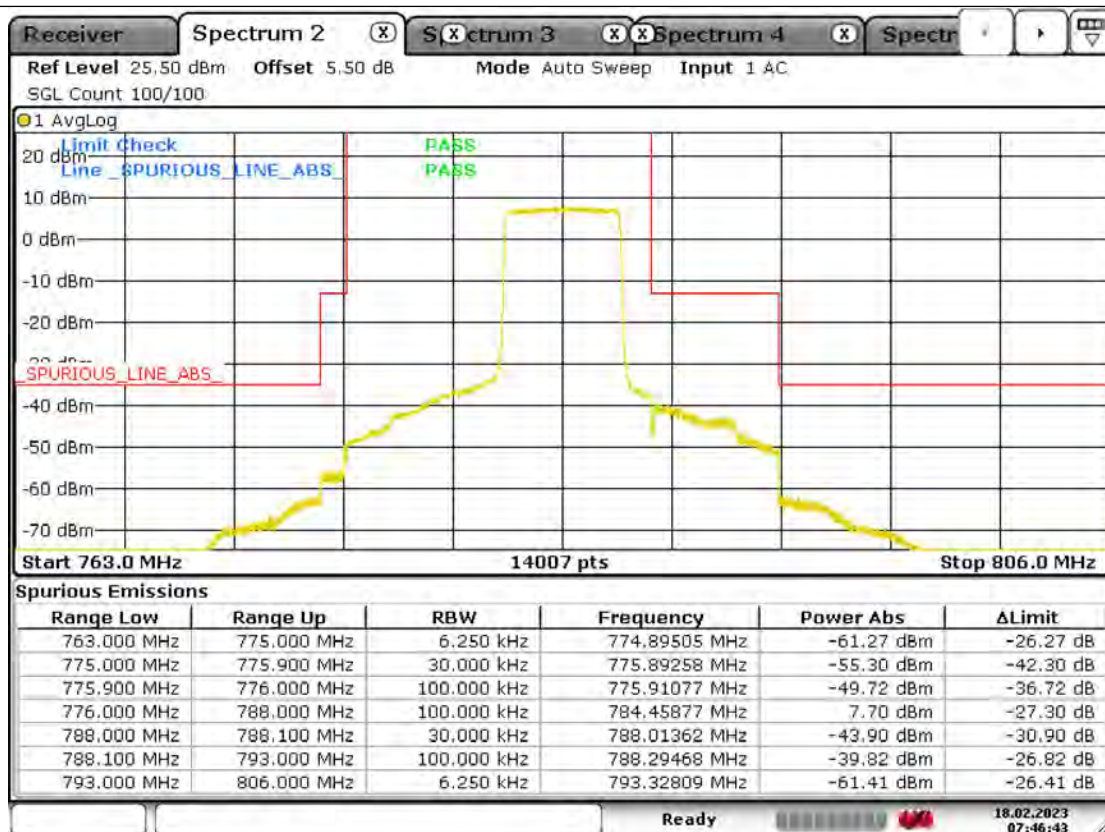
Date: 18.FEB.2023 07:47:17

Band13-5MHz-QPSK-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



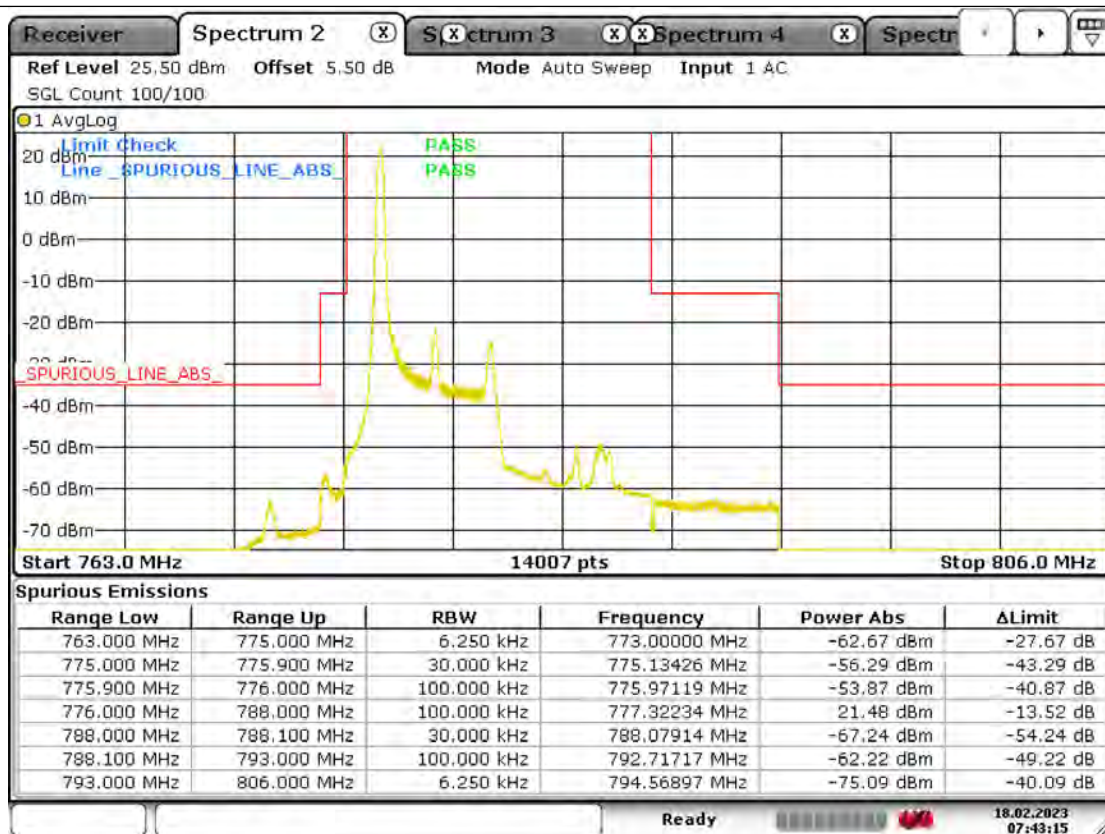
Date: 18.FEB.2023 07:46:43

Band13-5MHz-16QAM-23205-1RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



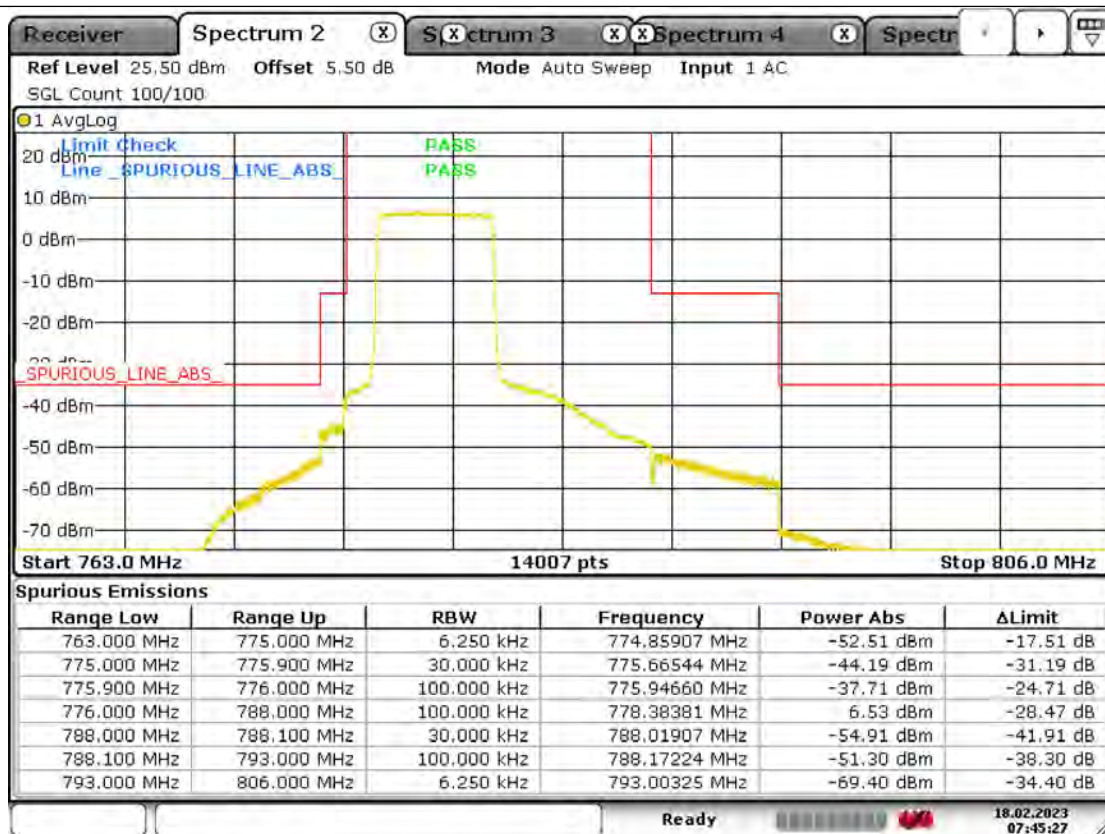
Date: 18.FEB.2023 07:43:16

Band13-5MHz-16QAM-23205-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



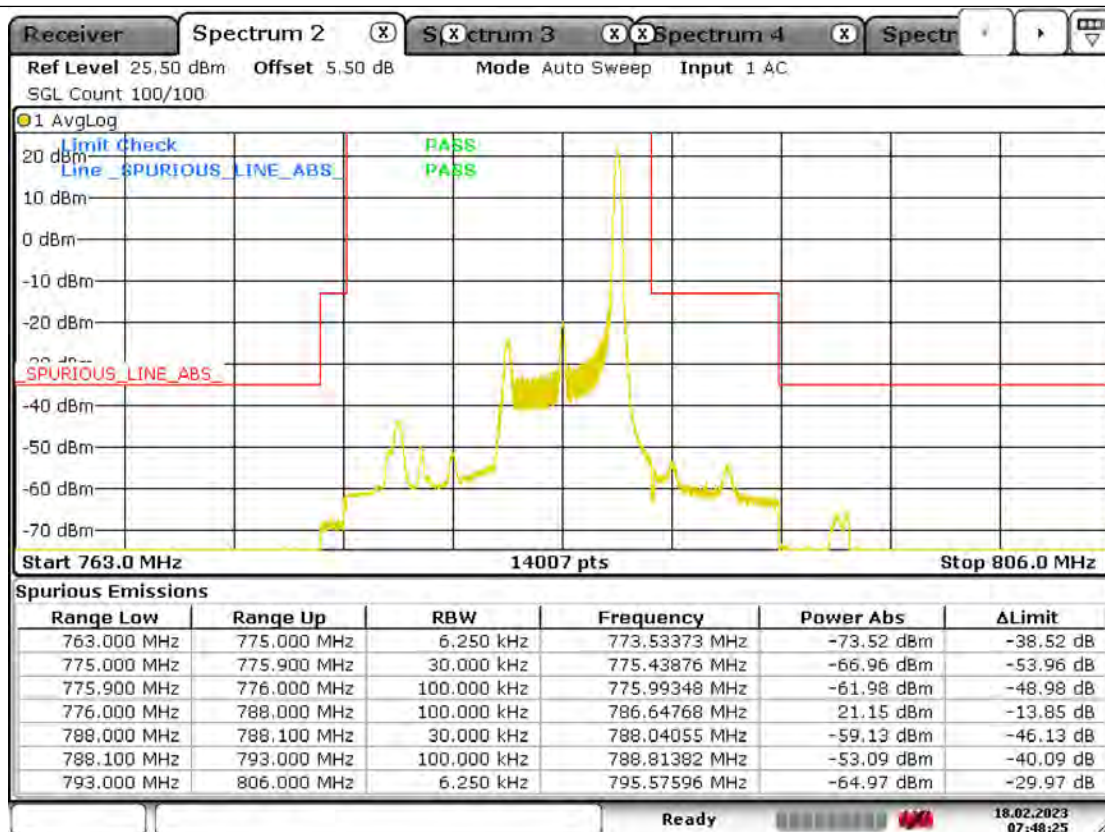
Date: 18.FEB.2023 07:45:27

Band13-5MHz-16QAM-23255-1RB#24



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



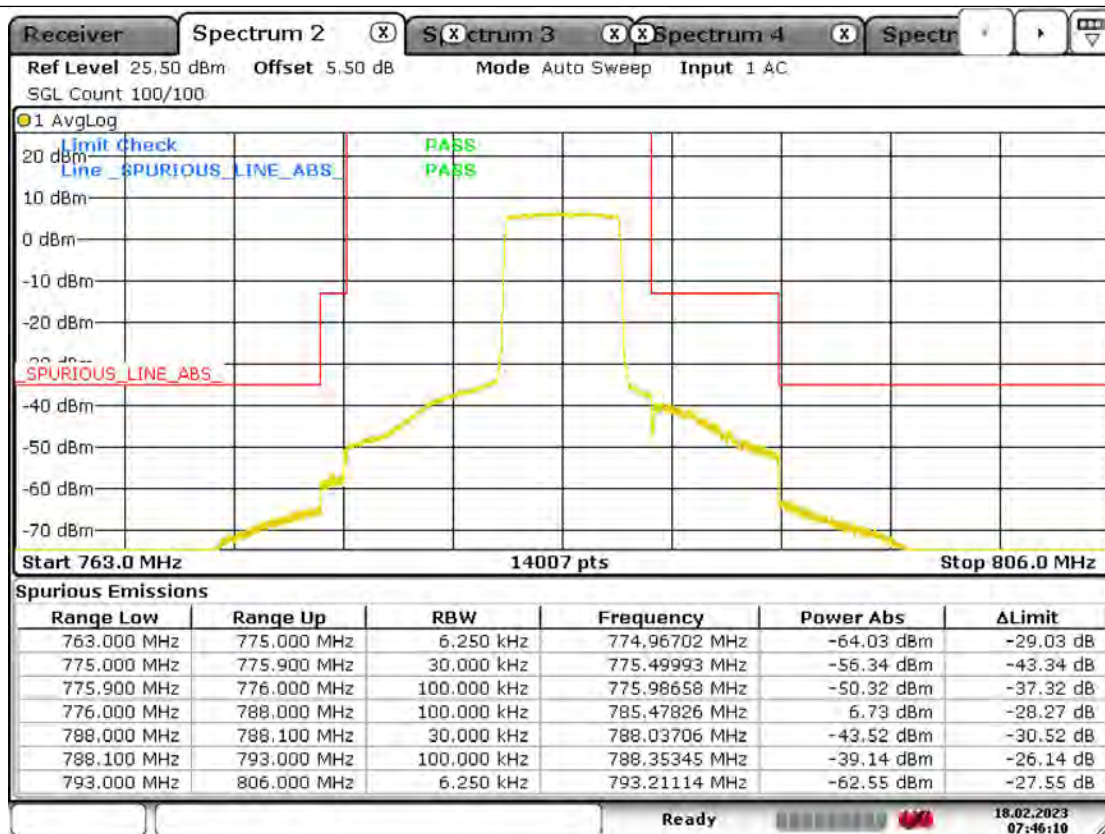
Date: 18.FEB.2023 07:48:25

Band13-5MHz-16QAM-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



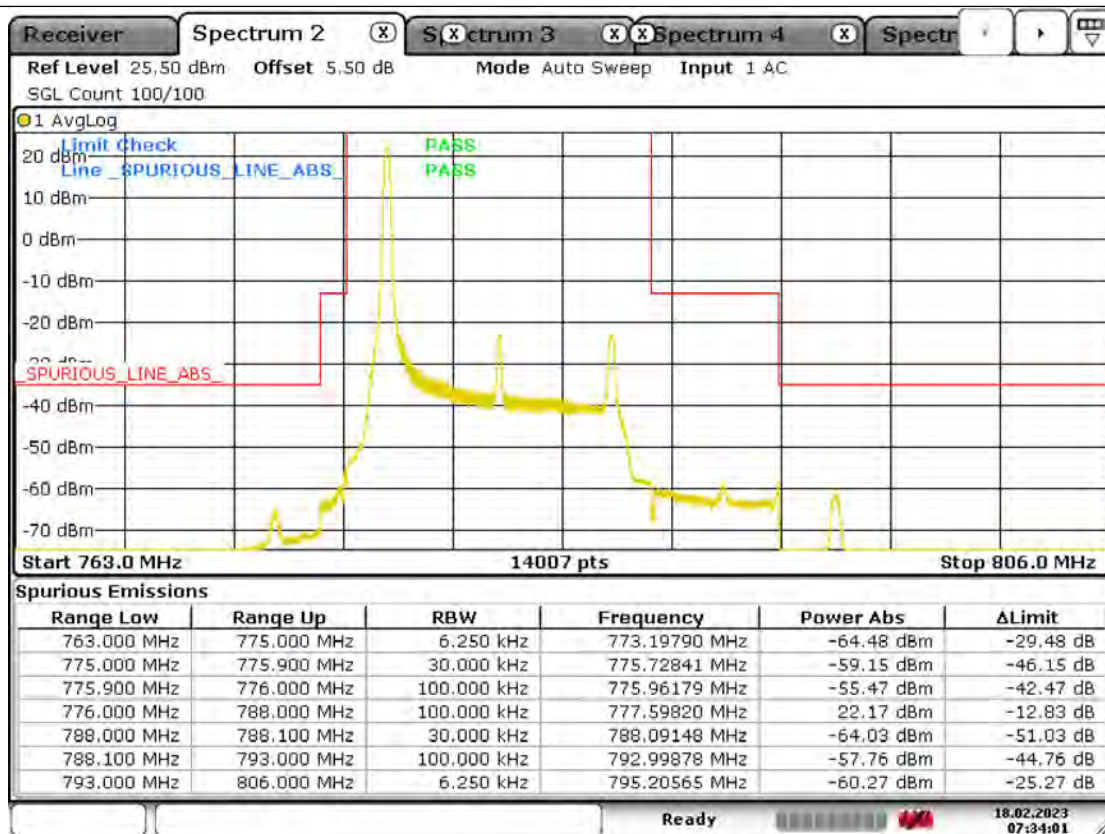
Date: 18.FEB.2023 07:46:10

Band13-10MHz-QPSK-23230-1RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



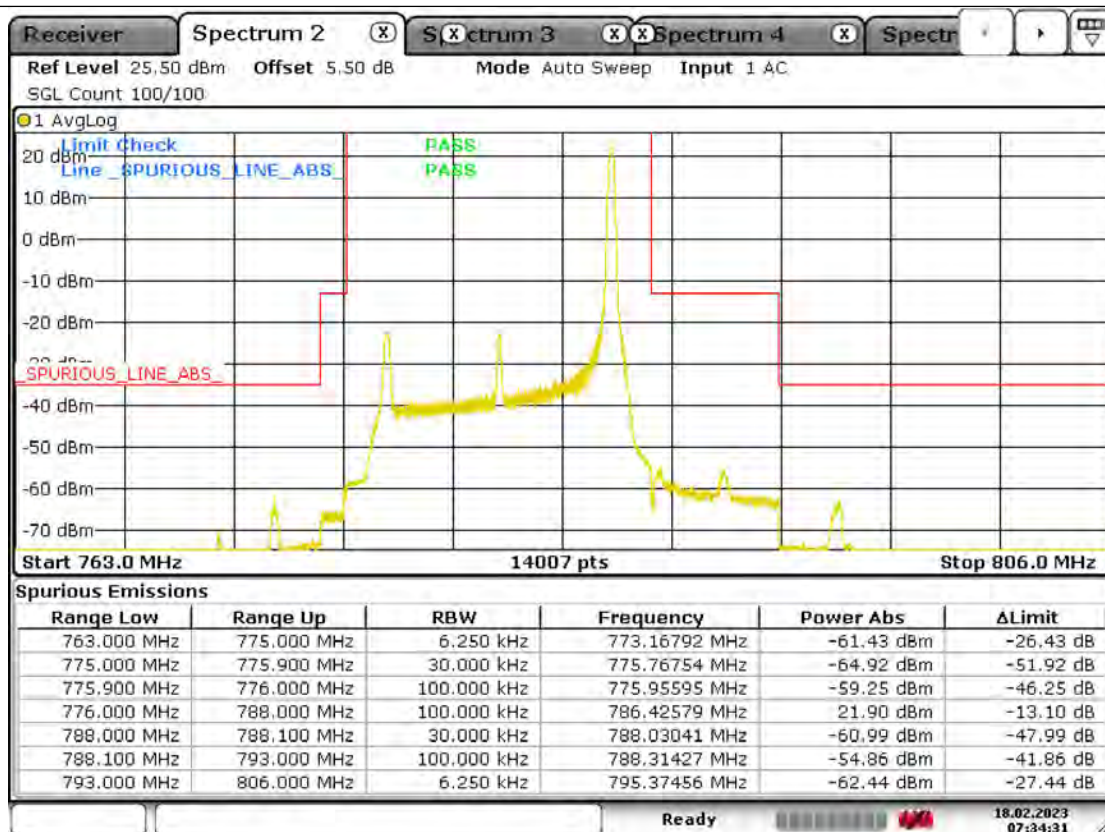
Date: 18.FEB.2023 07:34:01

Band13-10MHz-QPSK-23230-1RB#49



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



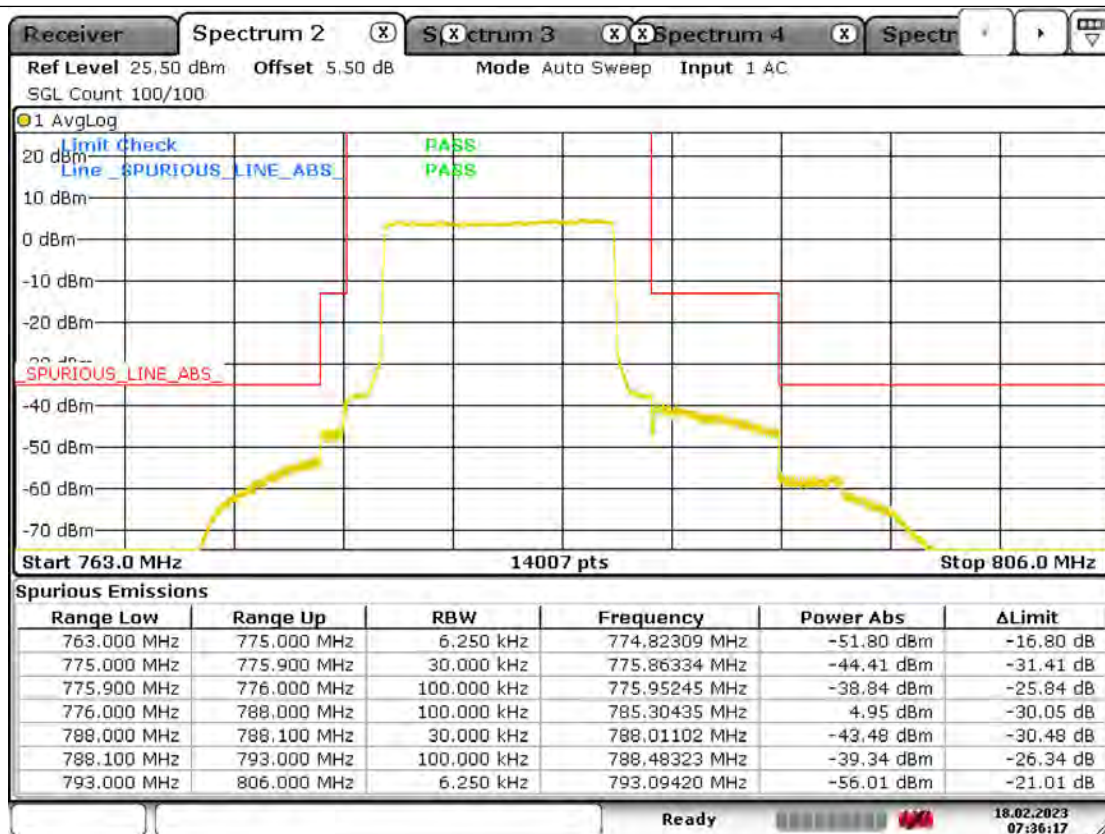
Date: 18.FEB.2023 07:34:32

Band13-10MHz-QPSK-23230-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



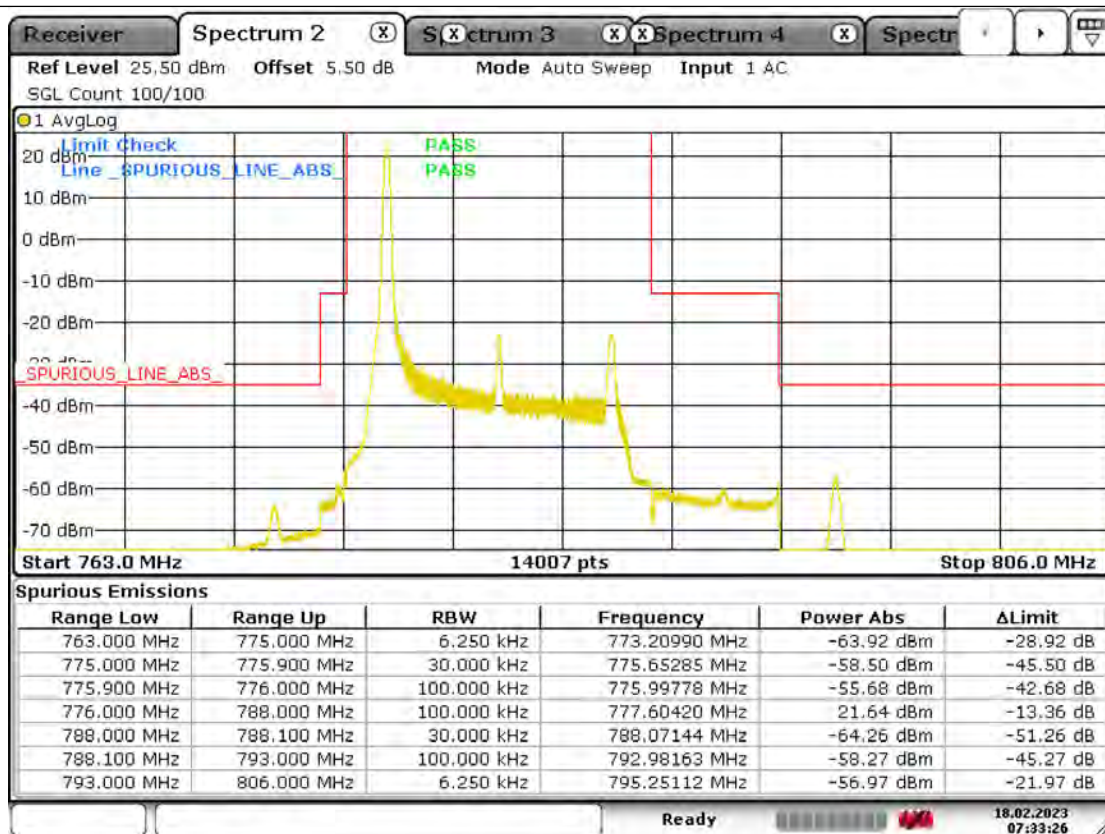
Date: 18.FEB.2023 07:36:18

Band13-10MHz-16QAM-23230-1RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



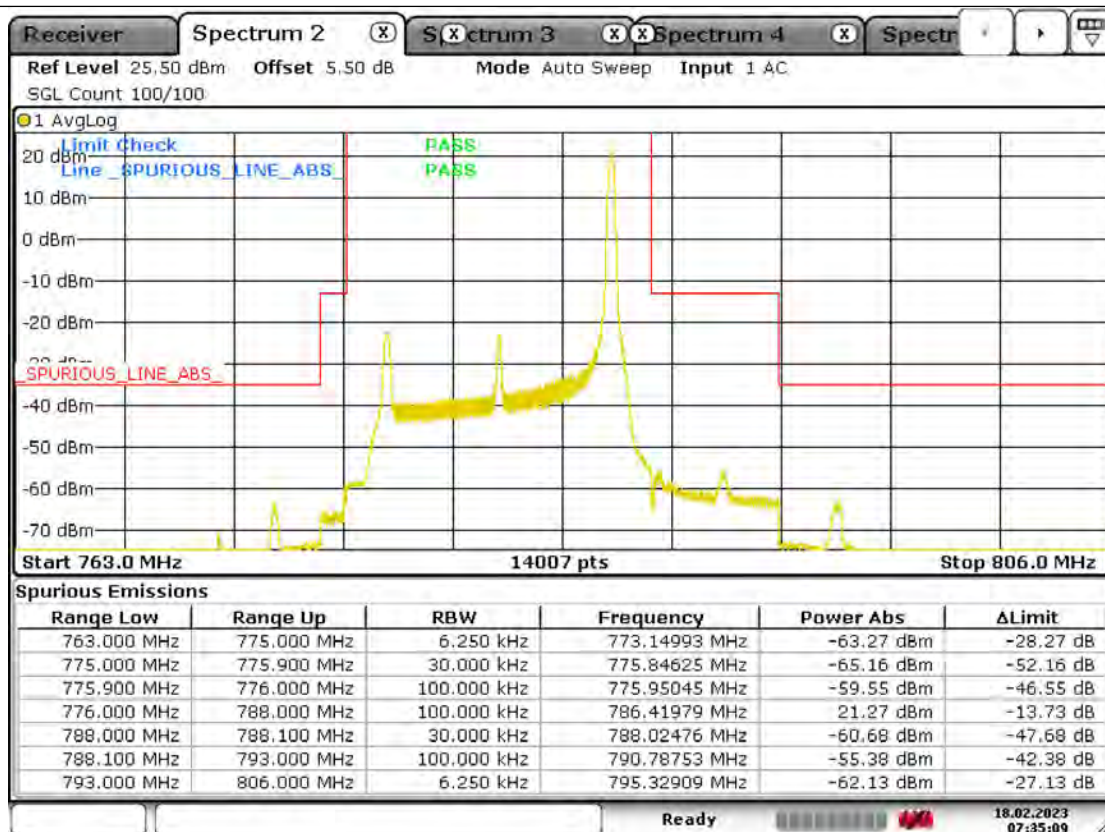
Date: 18.FEB.2023 07:33:26

Band13-10MHz-16QAM-23230-1RB#49



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



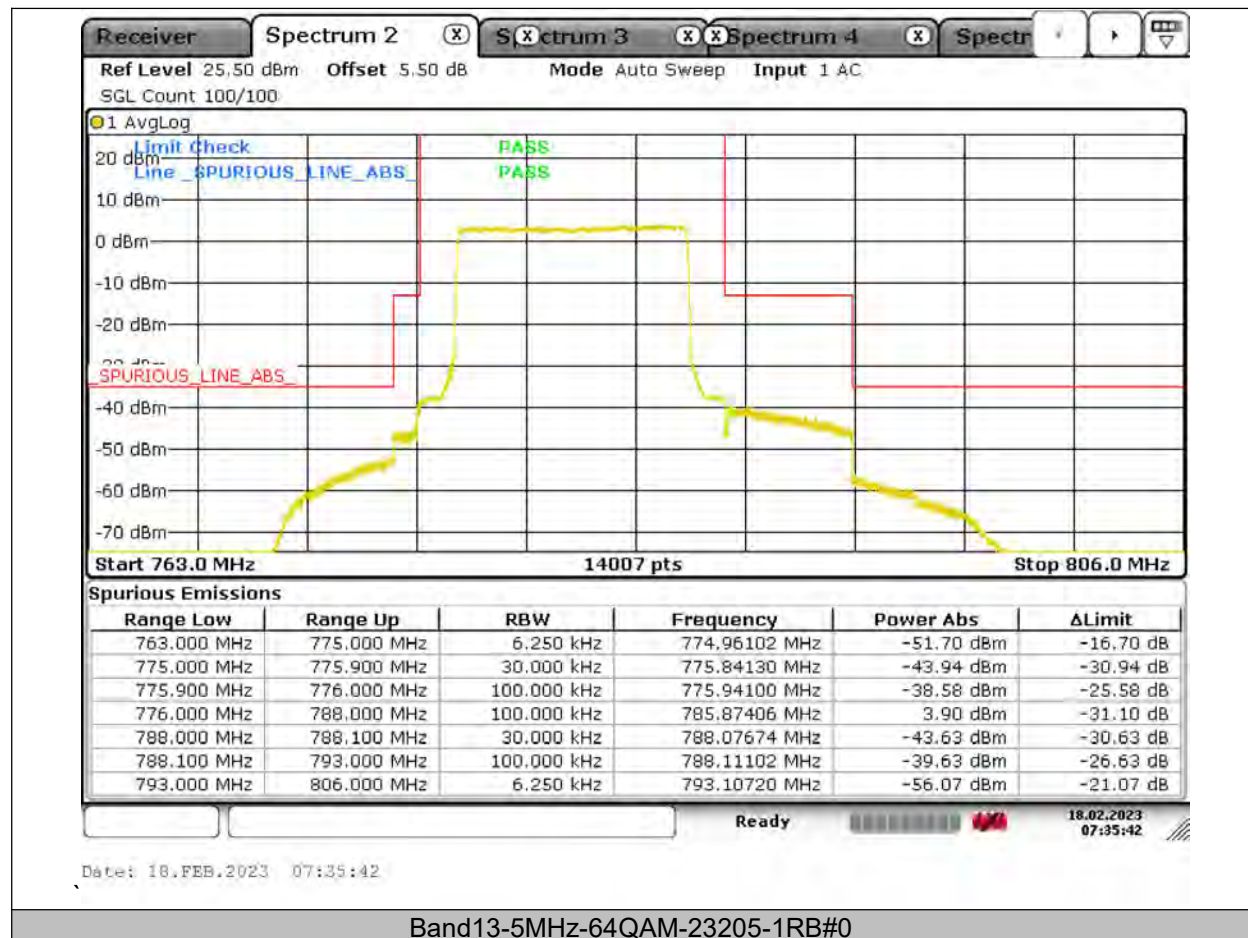
Date: 18.FEB.2023 07:35:09

Band13-10MHz-16QAM-23230-50RB#0



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VERITAS

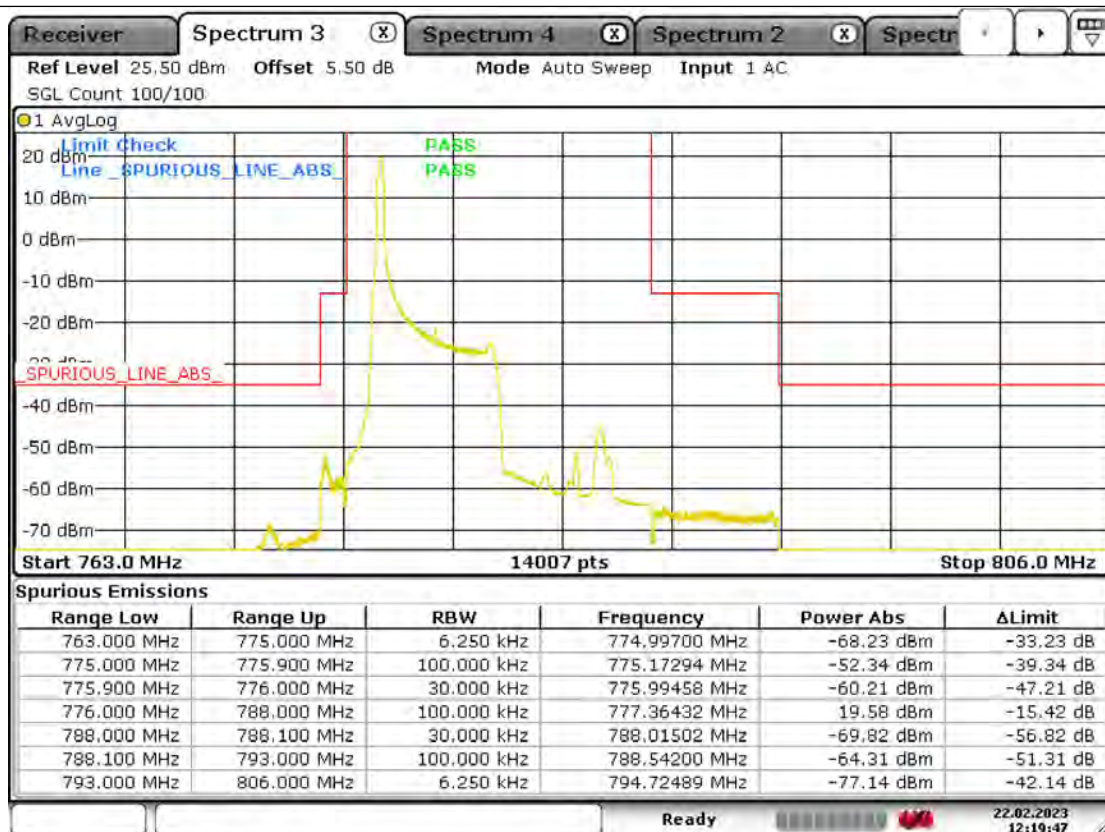
Test Report No.: W7L-P23010004-2RF03





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VERITAS

Test Report No.: W7L-P23010004-2RF03



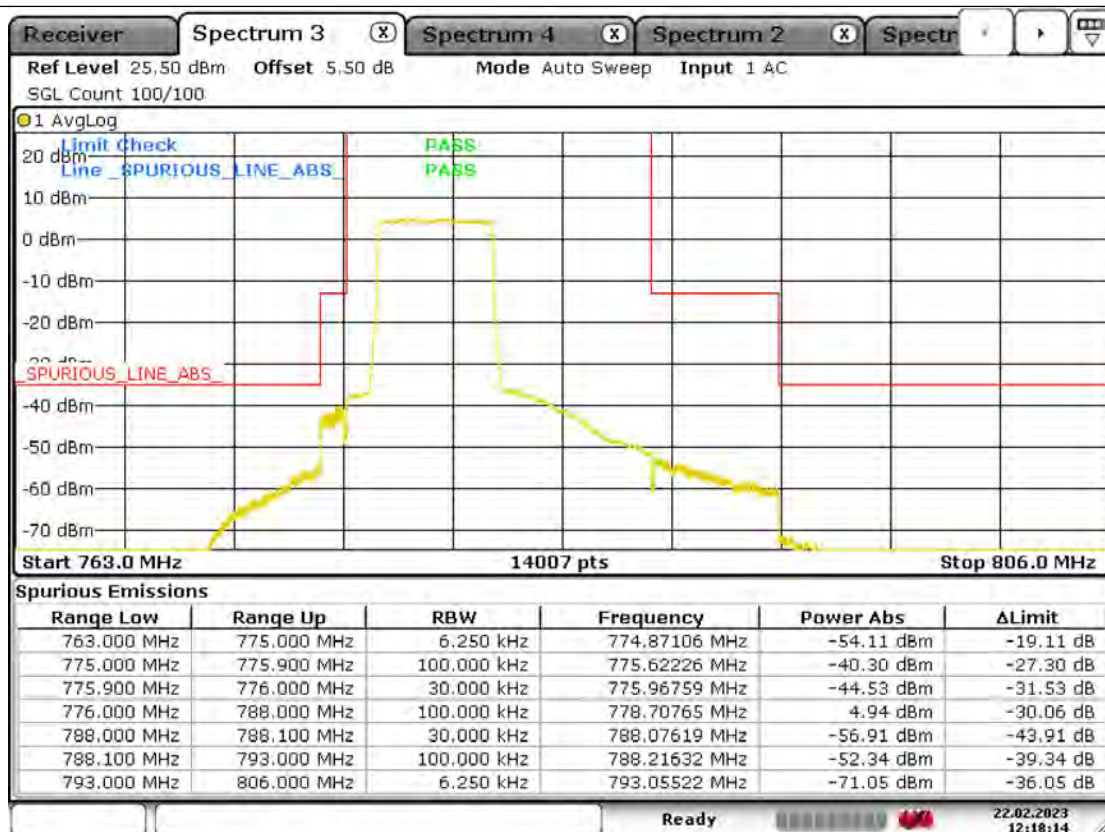
Date: 22.FEB.2023 12:19:47

Band13-5MHz-64QAM-23205-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



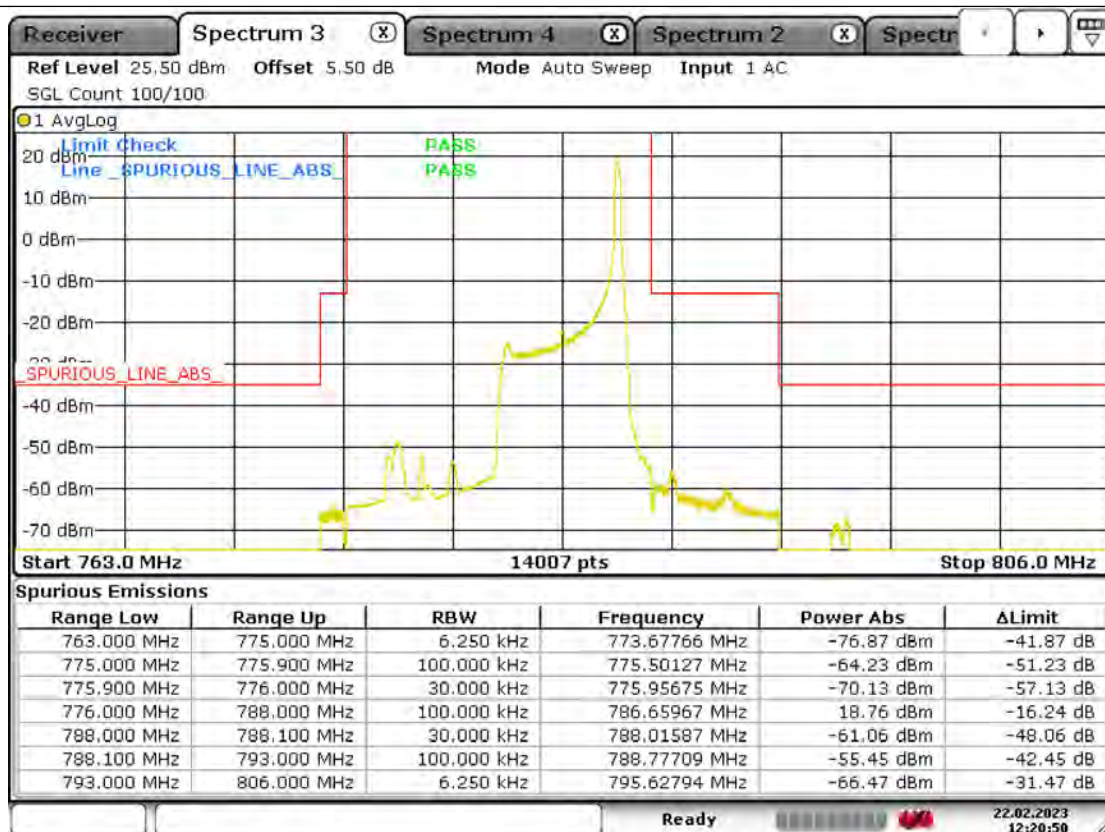
Date: 22.FEB.2023 12:18:14

Band13-5MHz-64QAM-23255-1RB#24



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



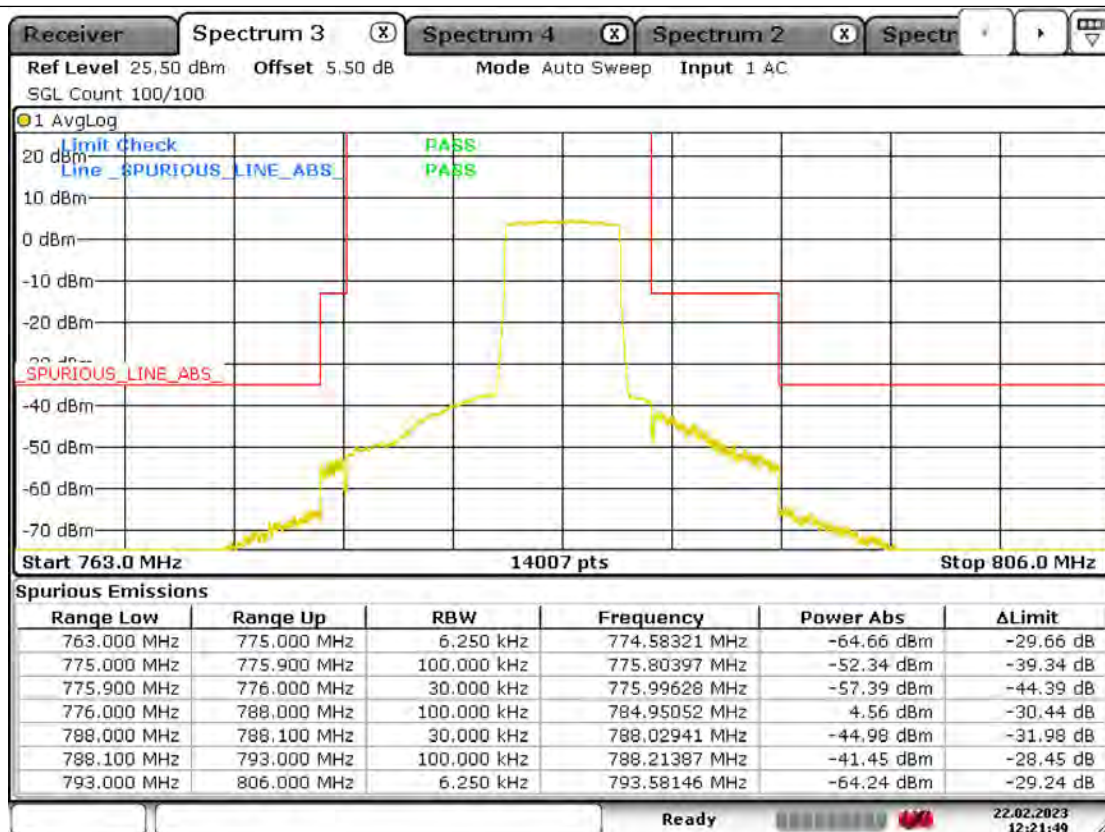
Date: 22.FEB.2023 12:20:50

Band13-5MHz-64QAM-23255-25RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



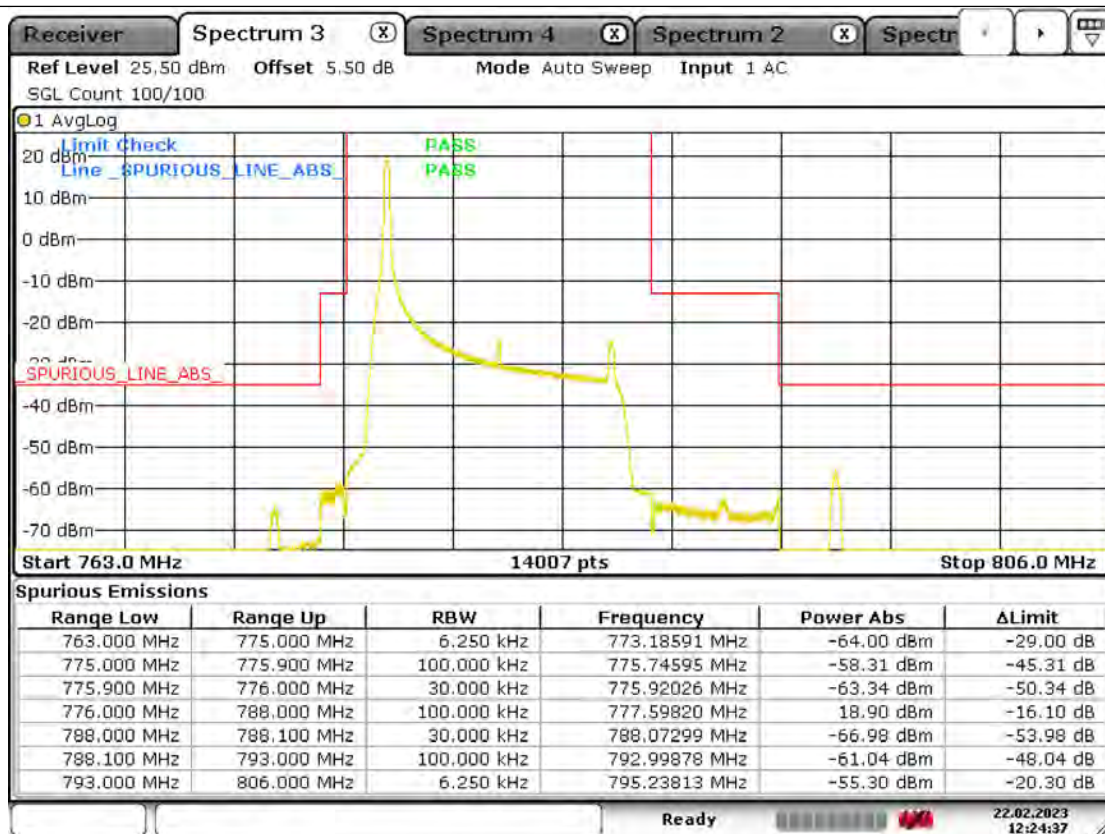
Date: 22.FEB.2023 12:21:49

Band13-10MHz-64QAM-23230-1RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



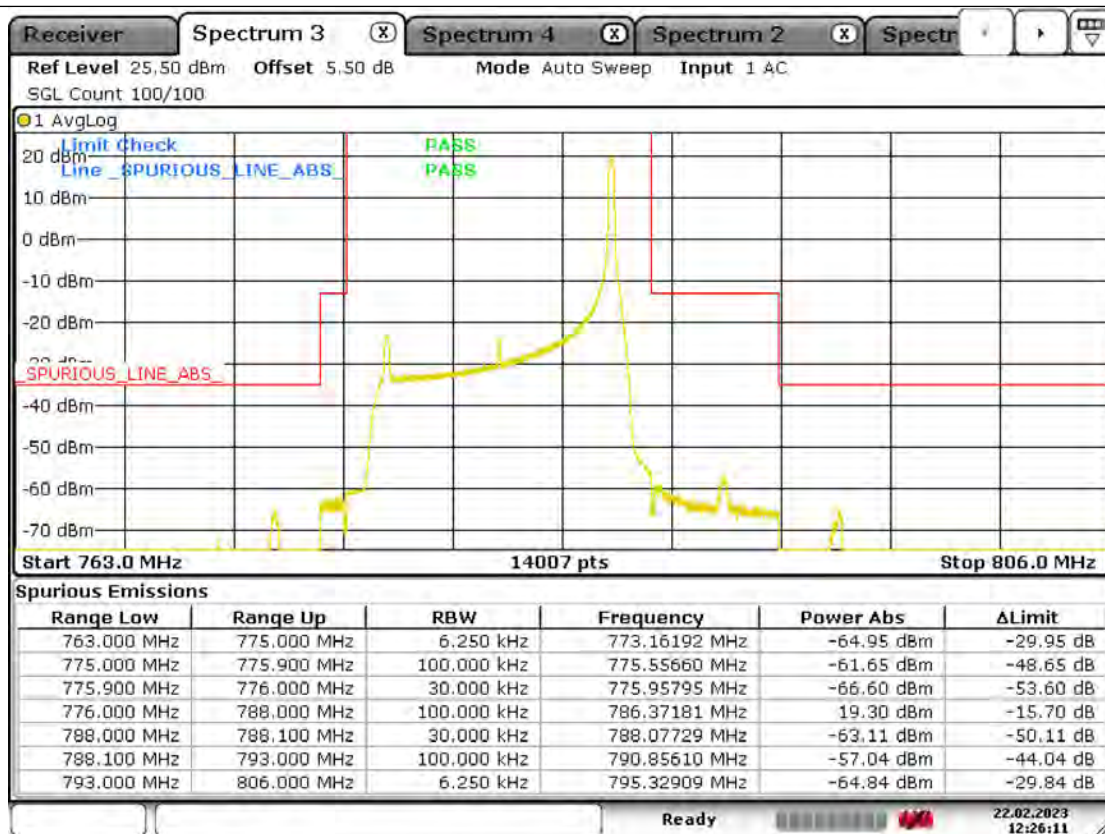
Date: 22.FEB.2023 12:24:37

Band13-10MHz-64QAM-23230-1RB#49



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



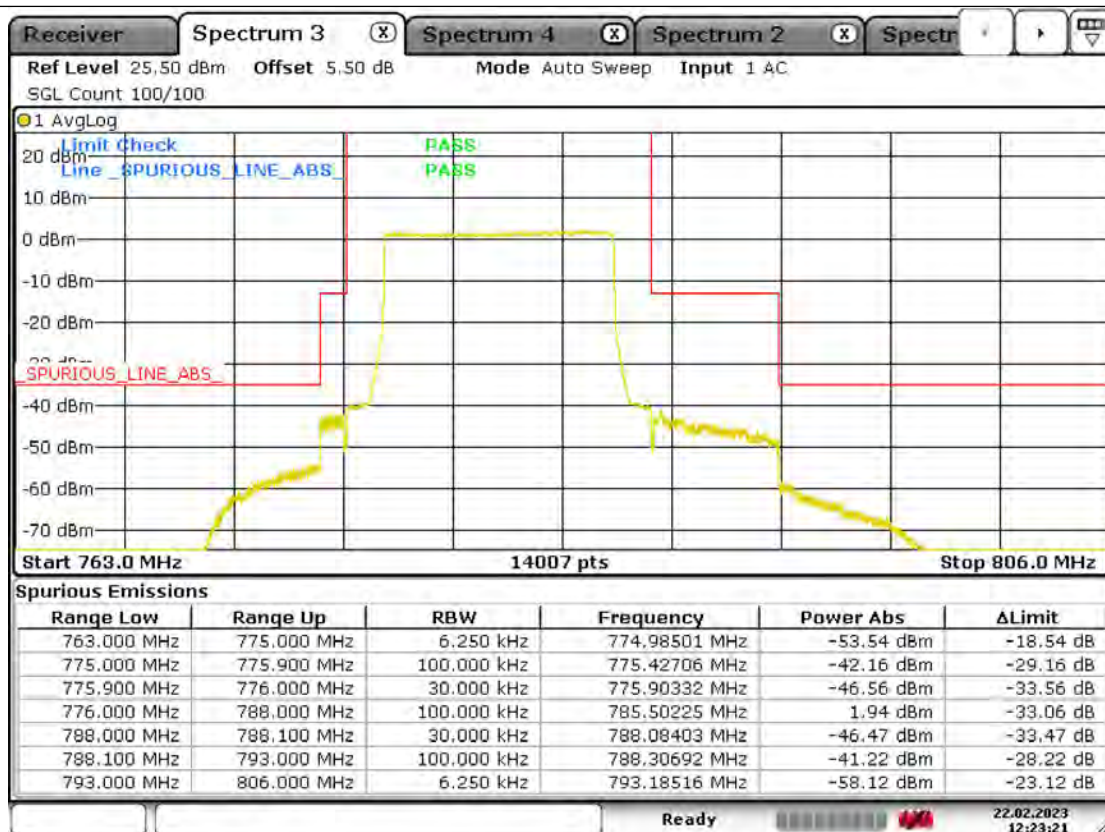
Date: 22.FEB.2023 12:26:11

Band13-10MHz-64QAM-23230-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



Date: 22.FEB.2023 12:23:21

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-63.66	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-45.3	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-63.58	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-44.64	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-63.75	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-45.91	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-63.82	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-46.08	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-63.64	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-45.27	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-63.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-46	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-63.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-45.47	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-63.7	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-45.35	PASS

Band13	5MHz	64QAM	23205	1RB#0	Range1:30~1000MHz	-63.92	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range2:1000~8000MHz	-46.97	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range1:30~1000MHz	-63.61	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range2:1000~8000MHz	-47.05	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range1:30~1000MHz	-63.71	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range2:1000~8000MHz	-47.07	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range1:30~1000MHz	-63.57	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range2:1000~8000MHz	-46.97	PASS

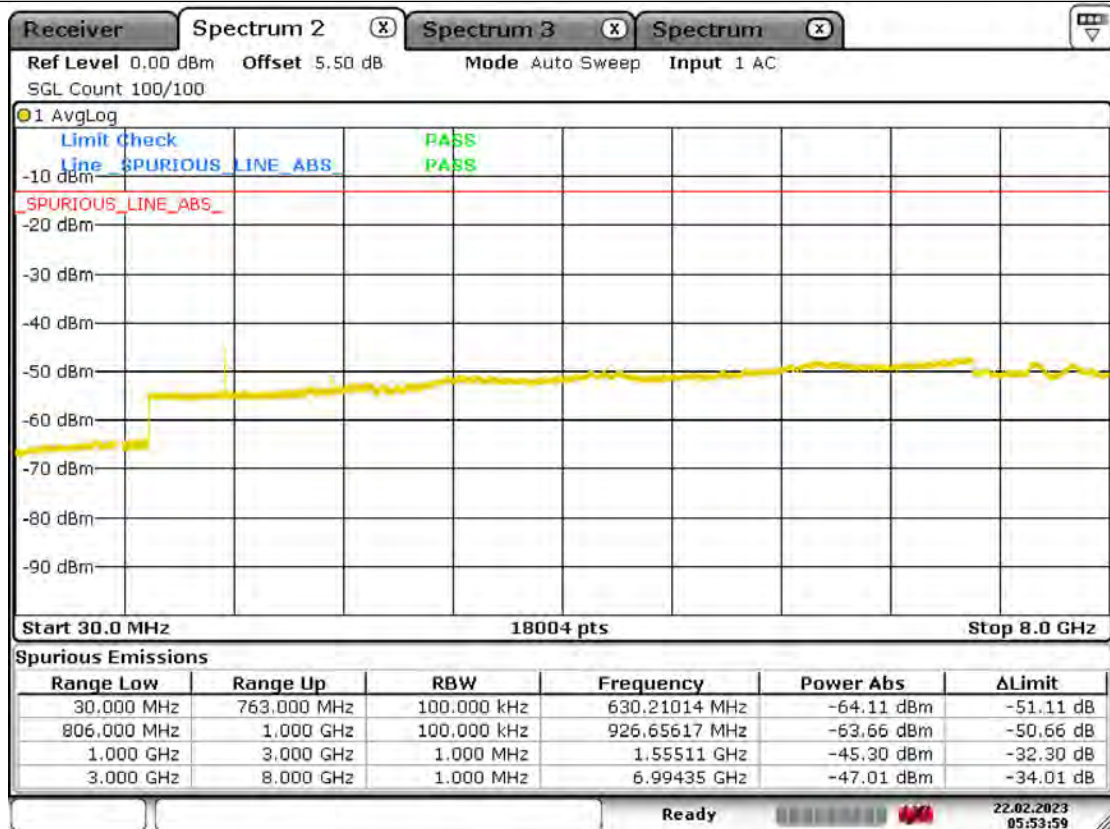
Test Graphs

Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



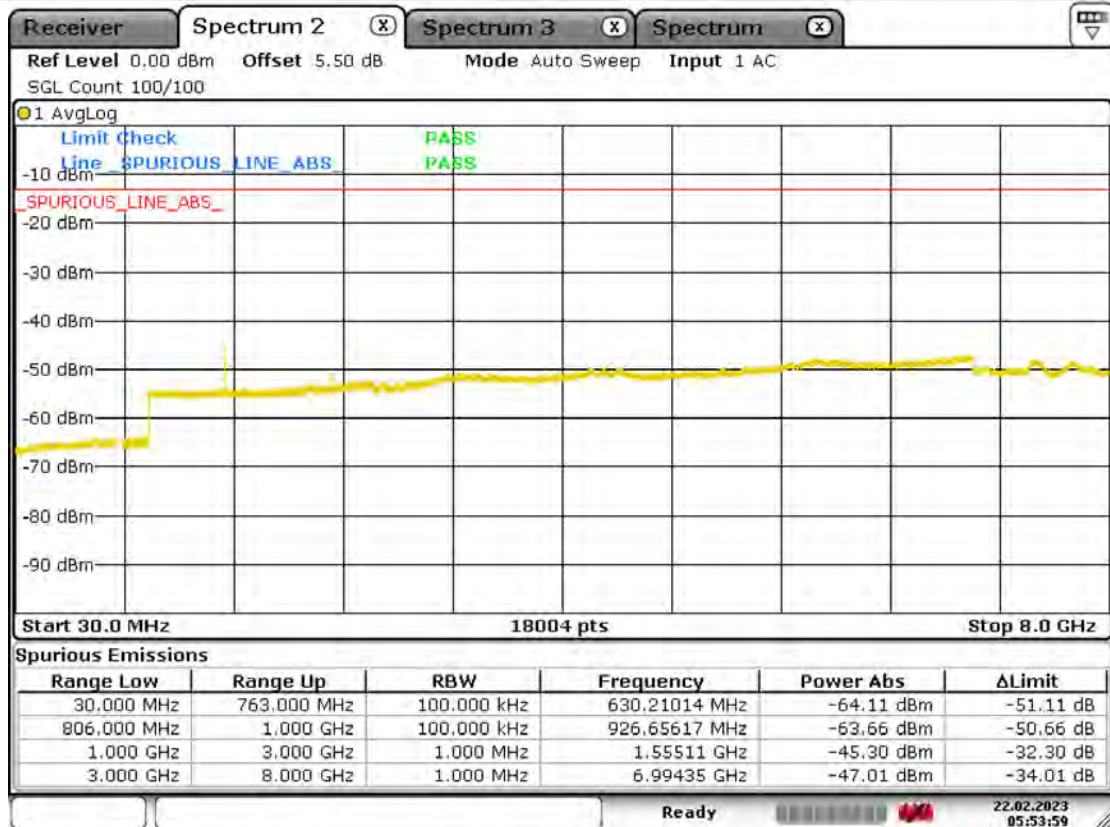
Date: 22.FEB.2023 05:53:59

Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



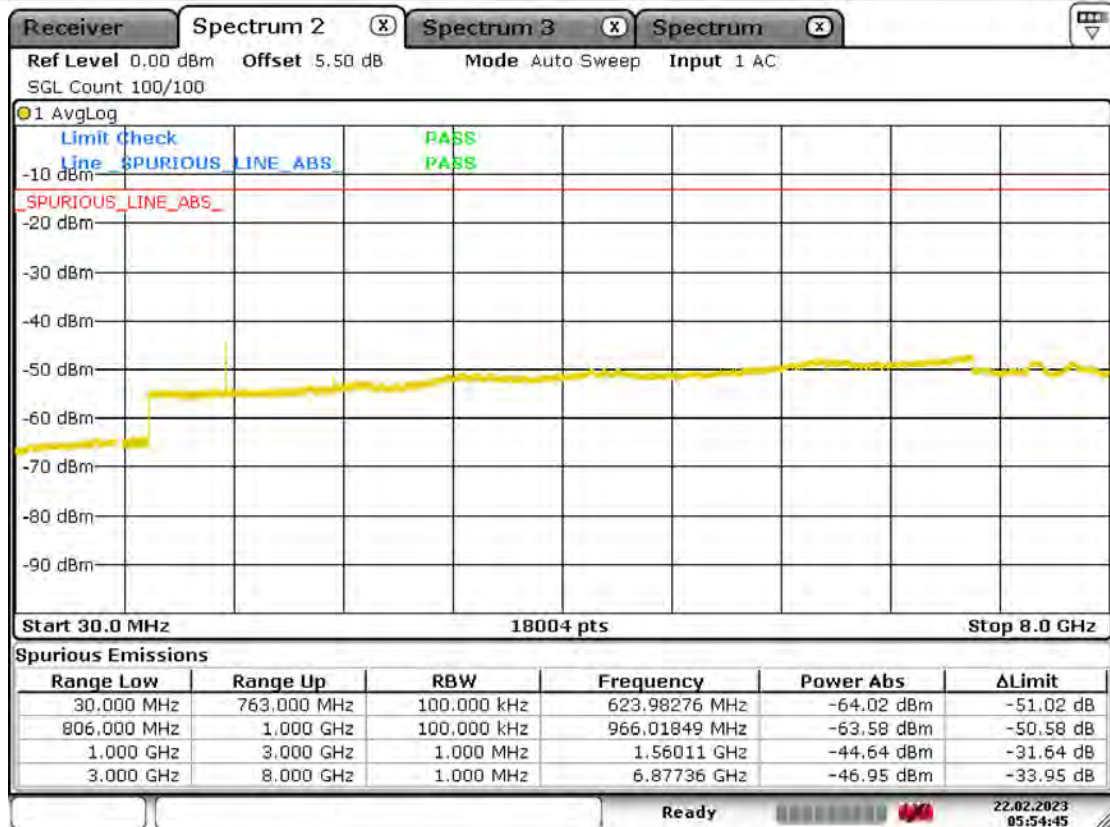
Date: 22.FEB.2023 05:53:59

Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



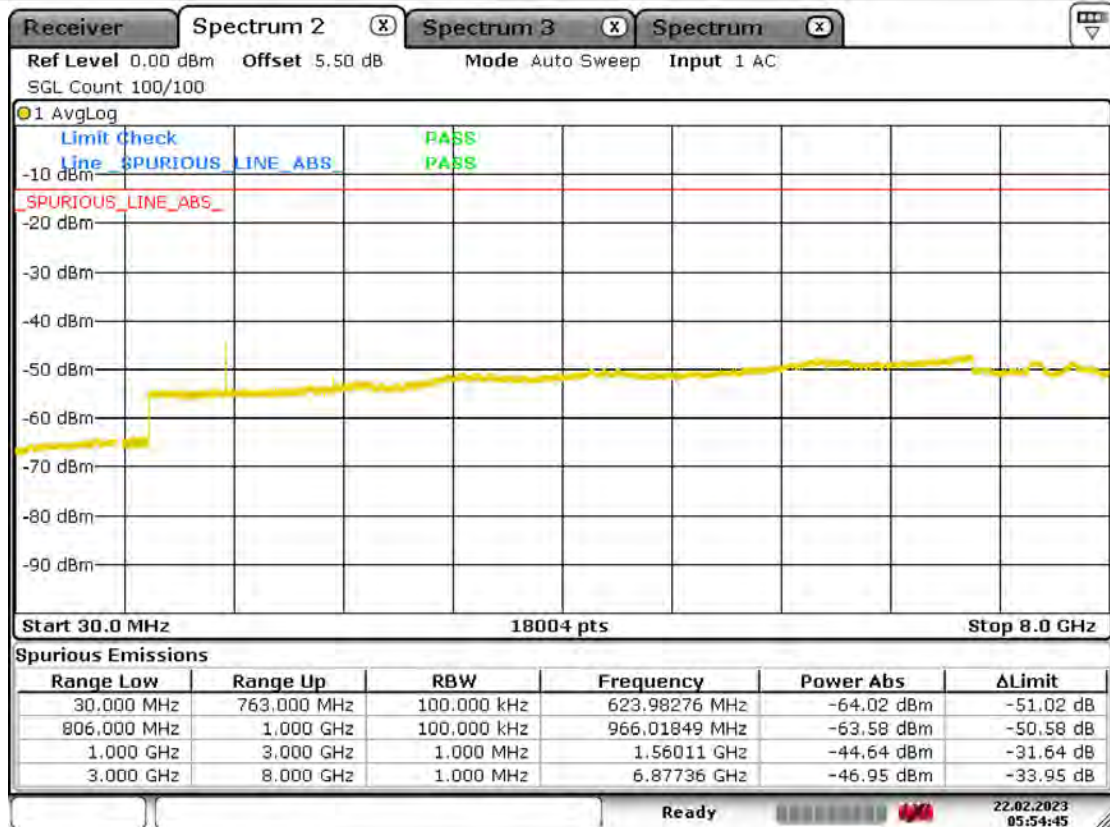
Date: 22.FEB.2023 05:54:44

Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



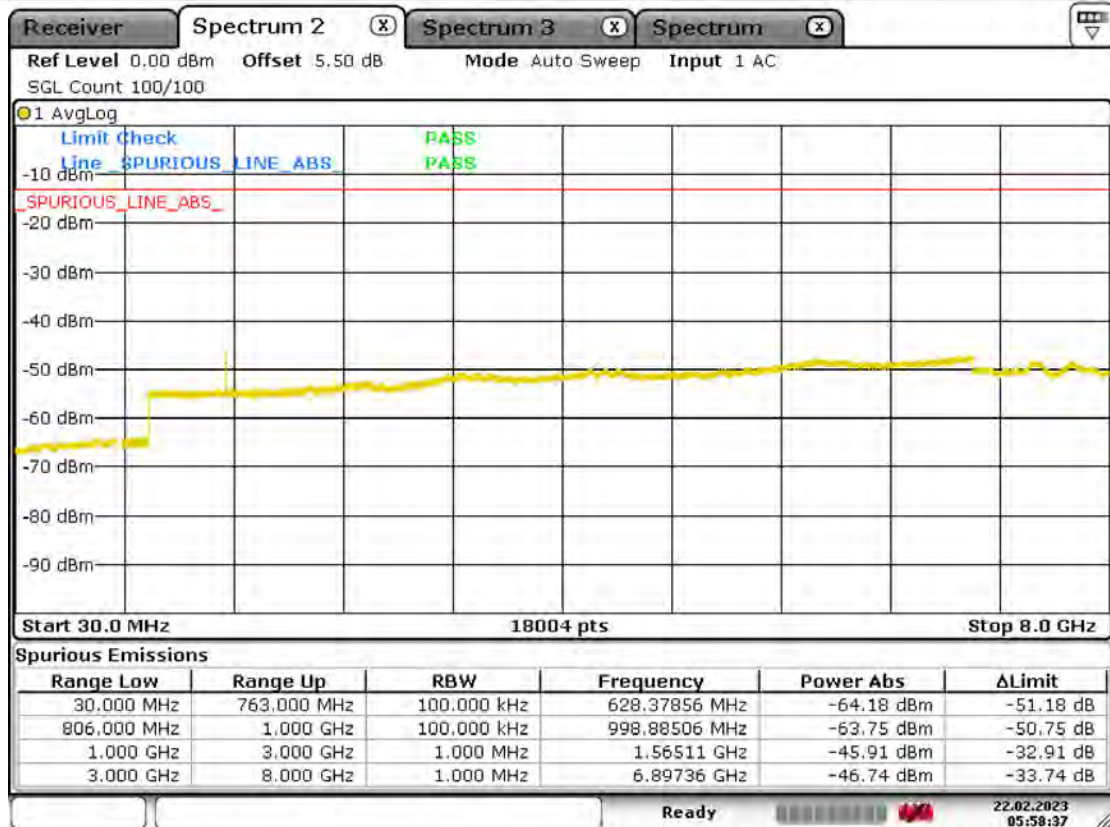
Date: 22.FEB.2023 05:54:44

Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



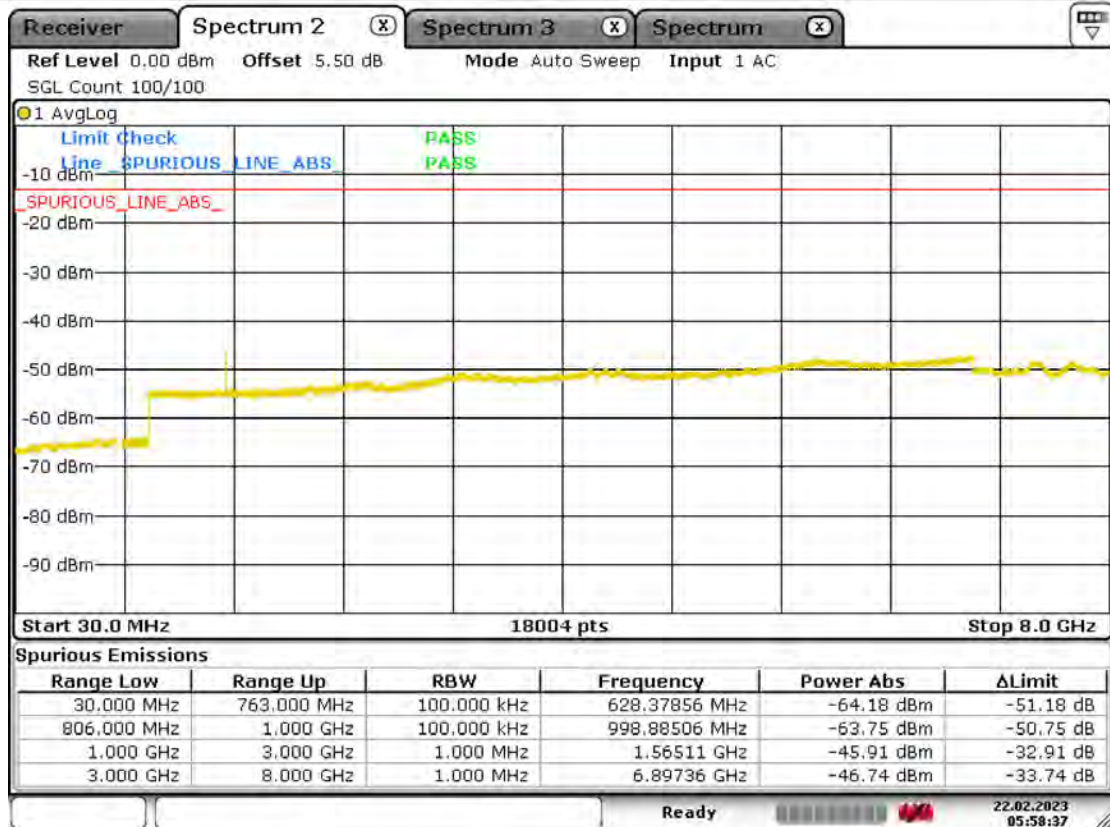
Date: 22.FEB.2023 05:58:37

Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



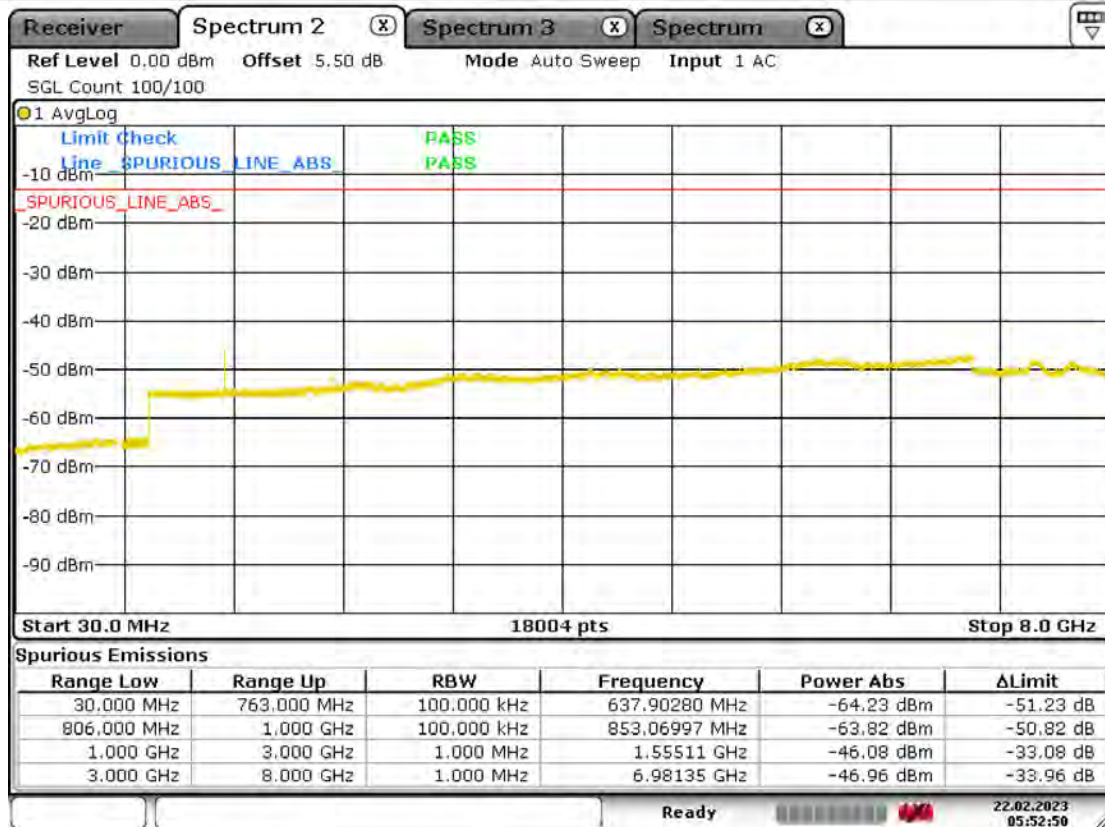
Date: 22.FEB.2023 05:58:37

Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



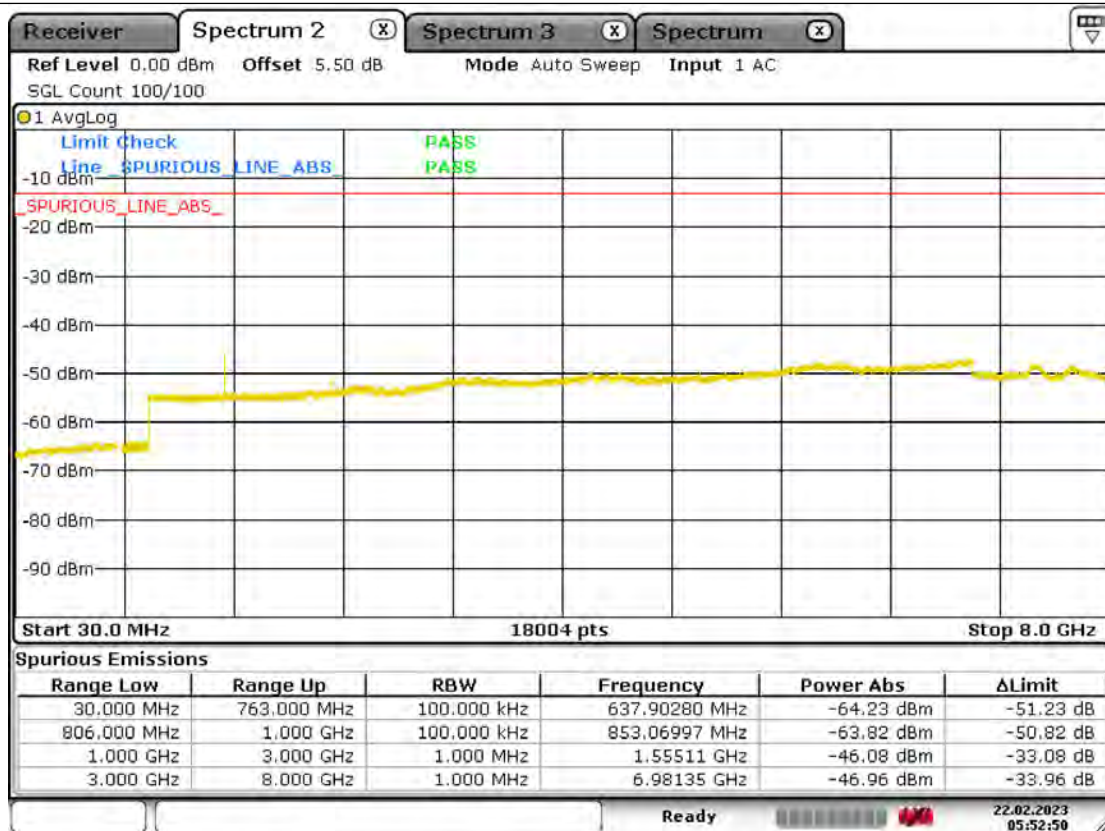
Date: 22.FEB.2023 05:52:50

Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



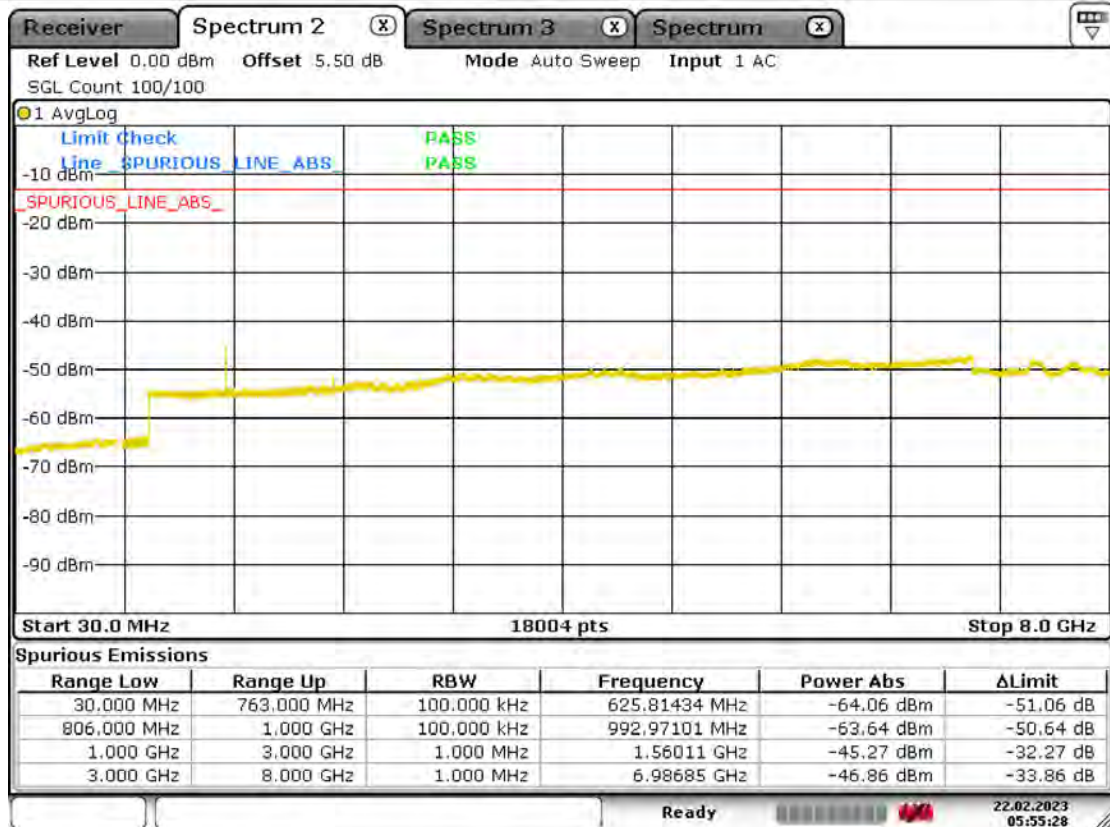
Date: 22.FEB.2023 05:52:50

Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



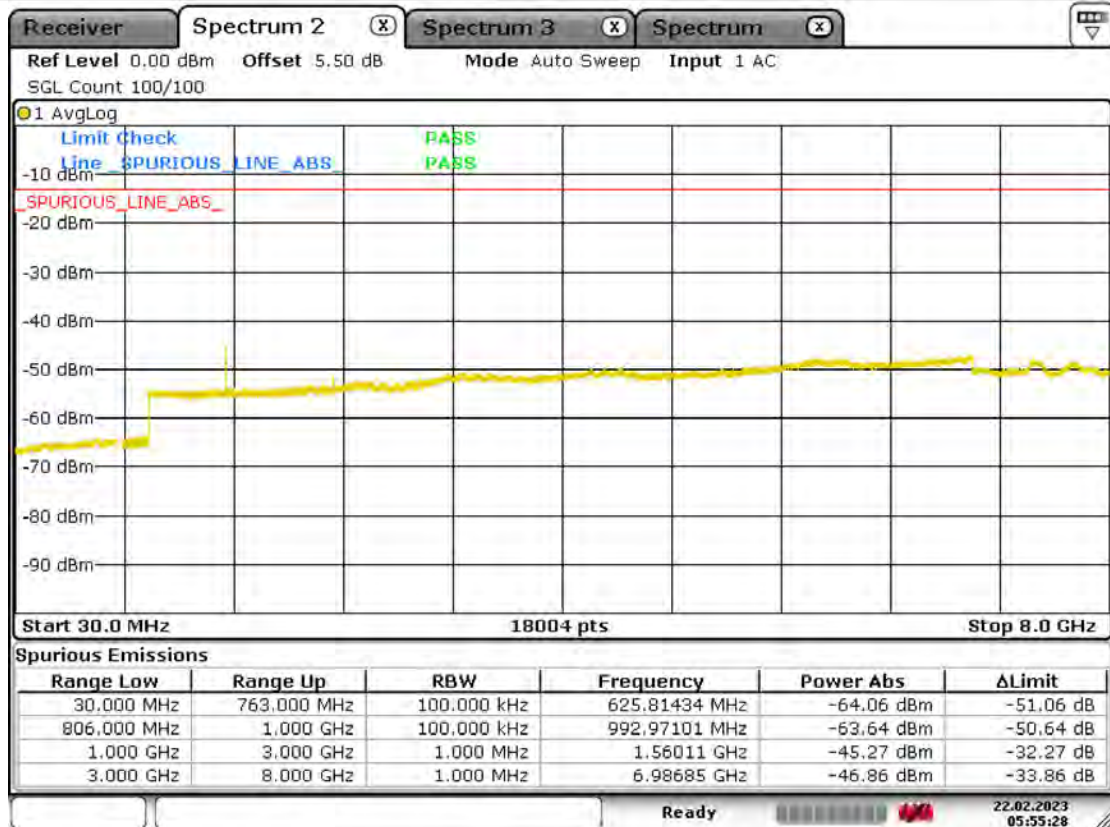
Date: 22.FEB.2023 05:55:28

Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



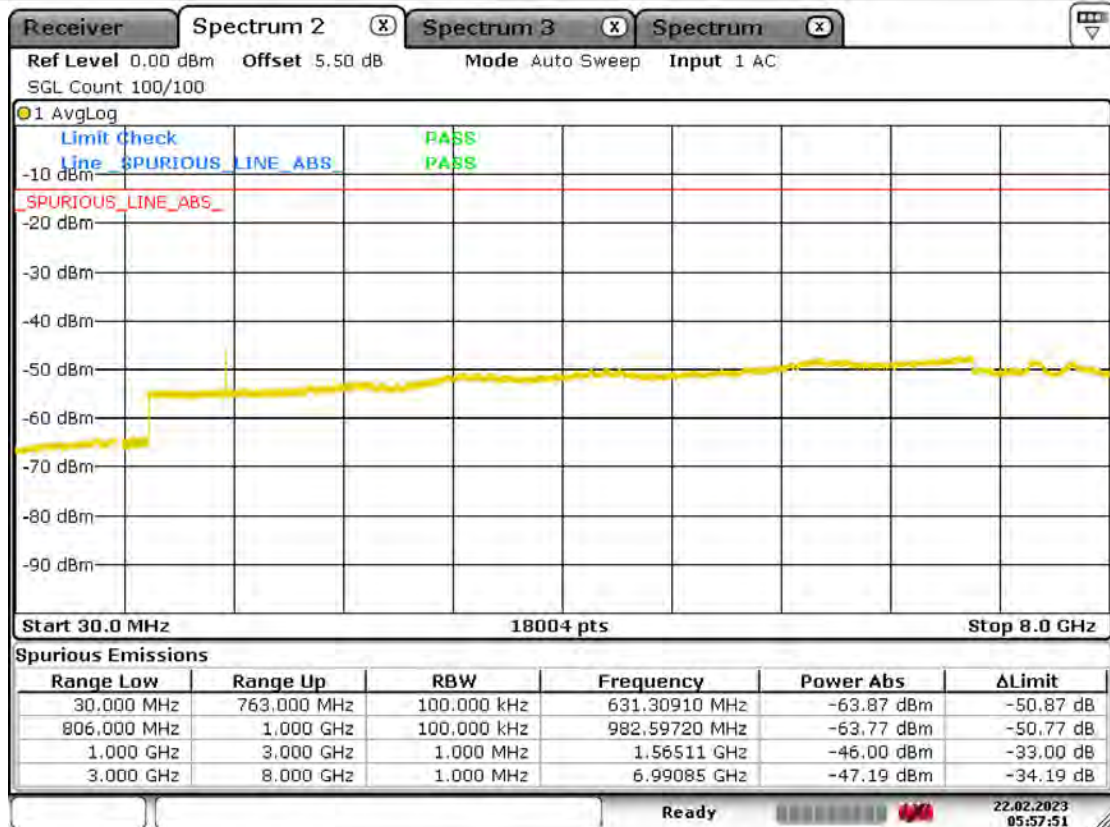
Date: 22.FEB.2023 05:55:28

Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



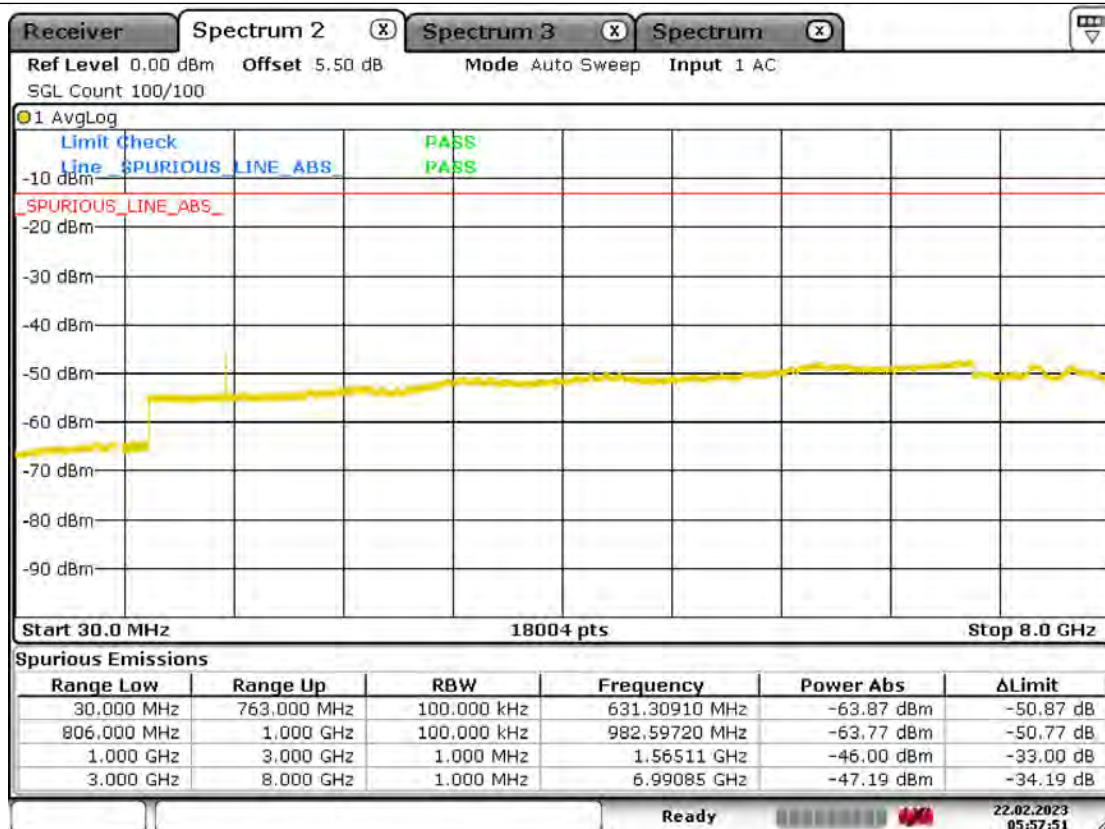
Date: 22.FEB.2023 05:57:51

Band13-5MHz-16QAM-23255-1RB#0-Range2:1000~10000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



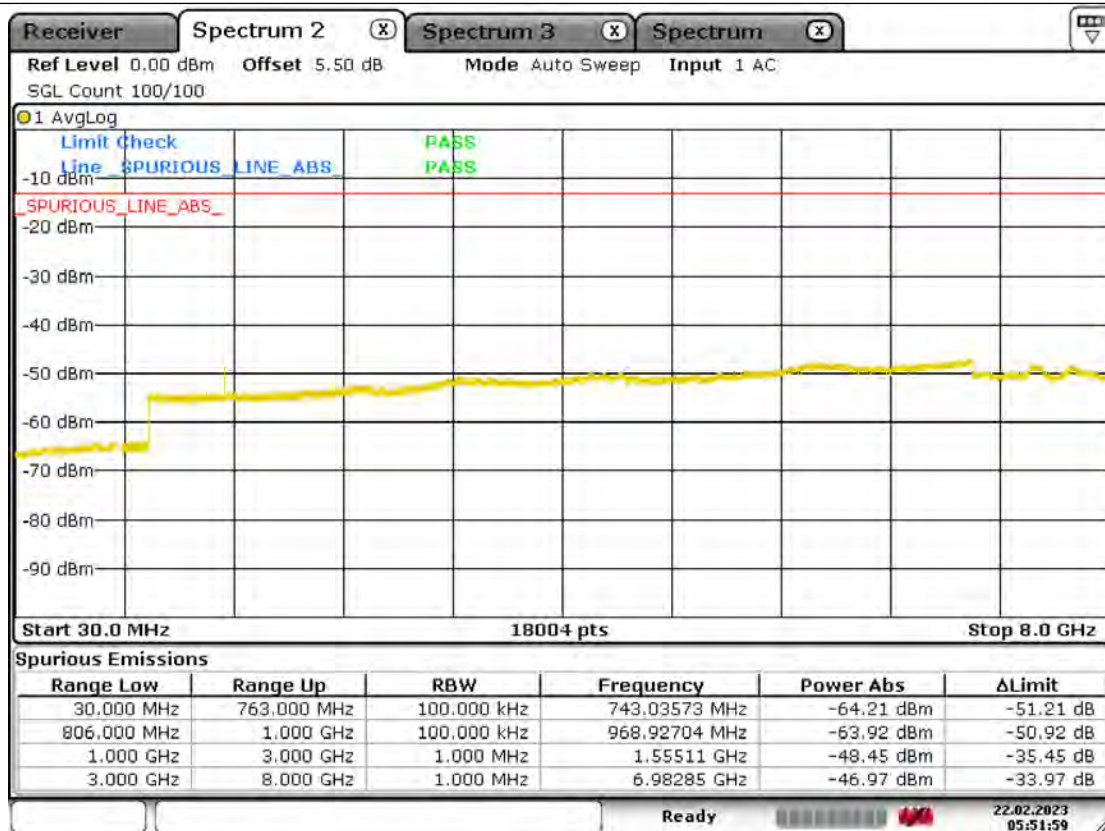
Date: 22.FEB.2023 05:57:51

Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



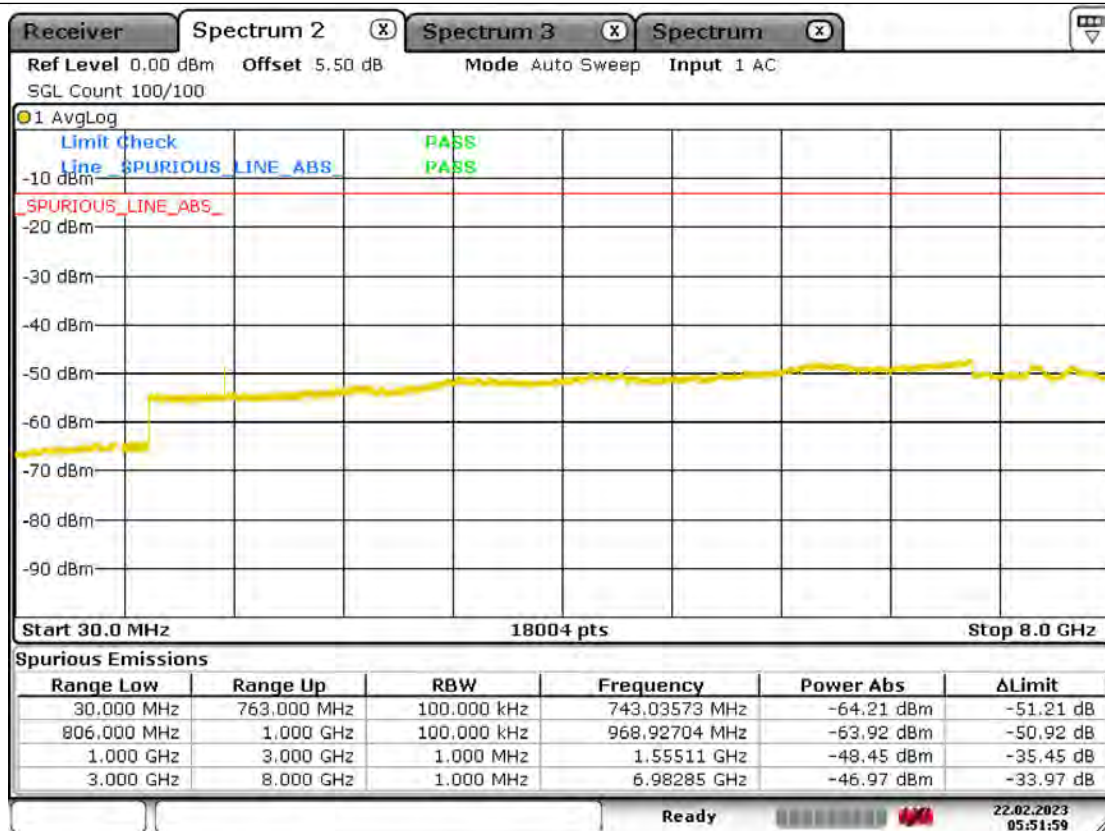
Date: 22.FEB.2023 05:51:59

Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



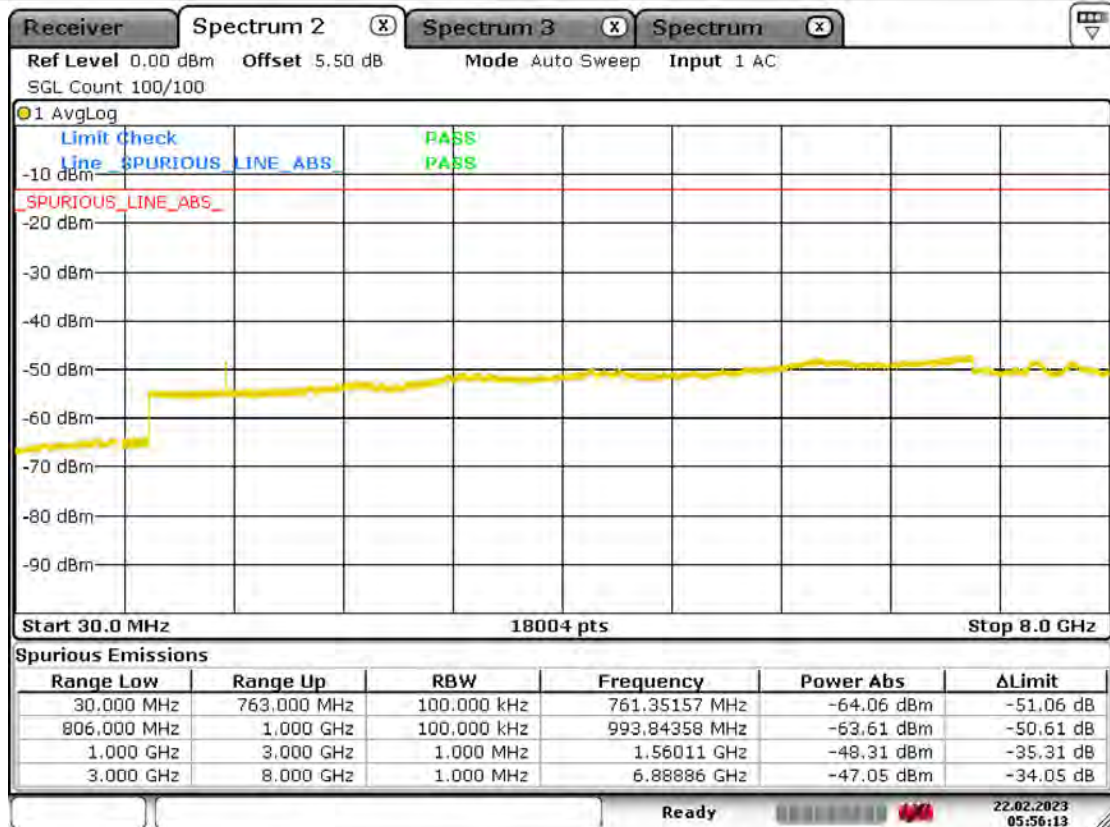
Date: 22.FEB.2023 05:51:59

Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



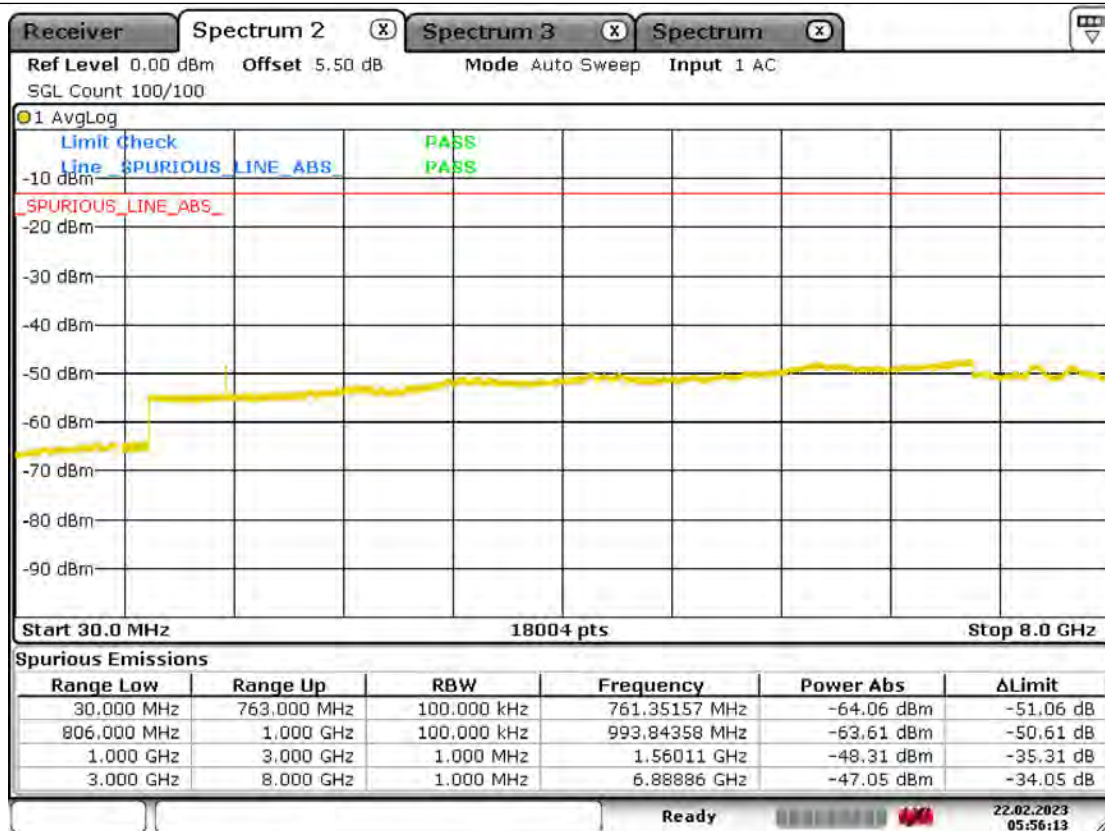
Date: 22.FEB.2023 05:56:13

Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



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VERITAS

Test Report No.: W7L-P23010004-2RF03



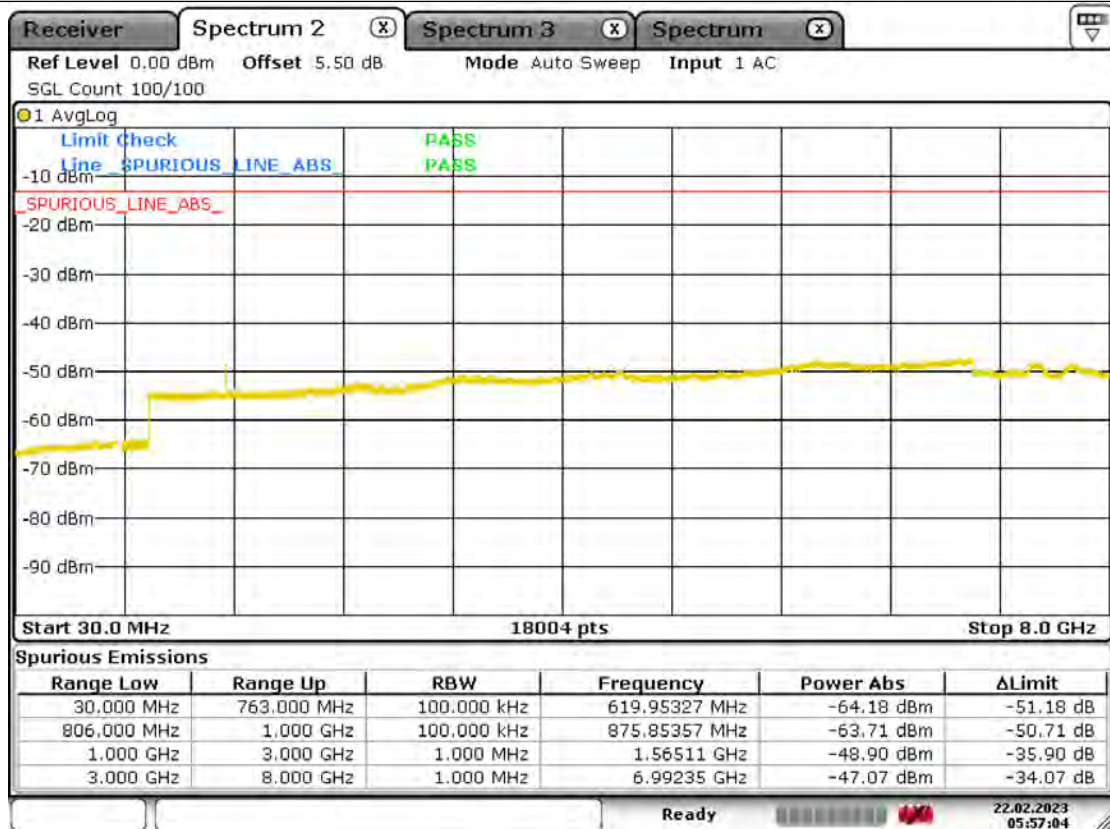
Date: 22.FEB.2023 05:56:13

Band13-5MHz-64QAM-23205-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



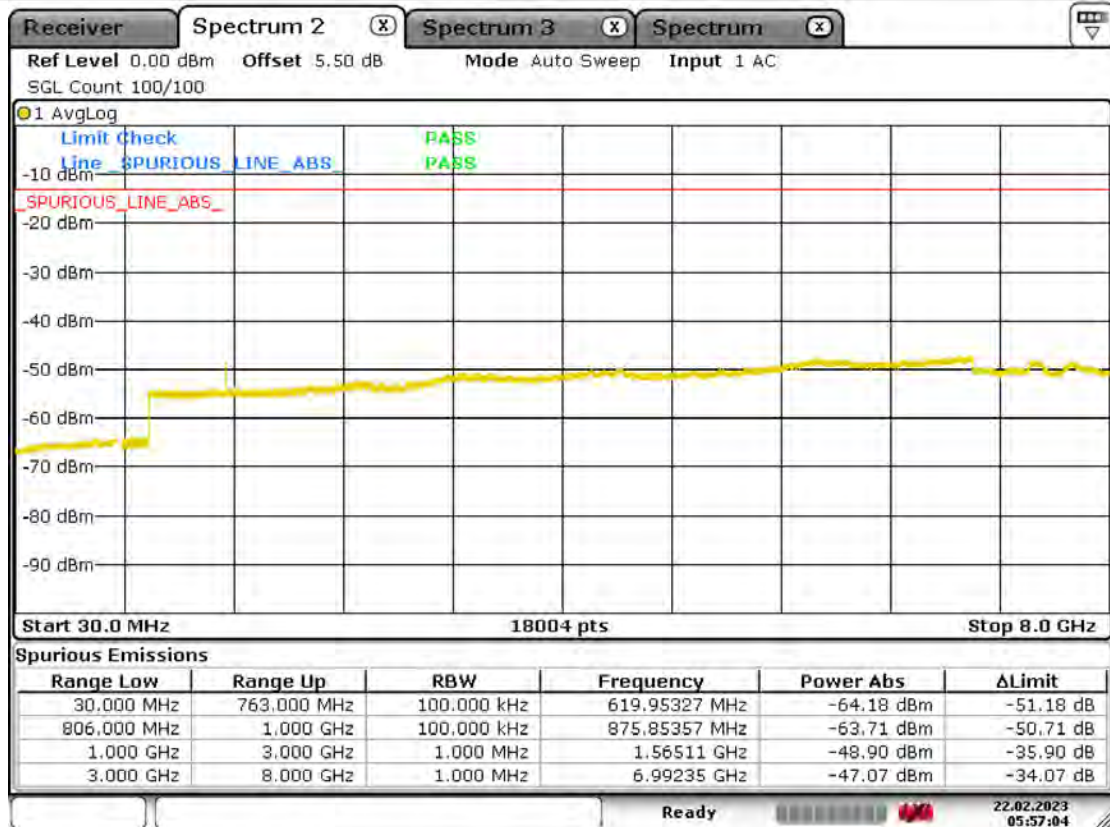
Date: 22.FEB.2023 05:57:04

Band13-5MHz-64QAM-23205-1RB#0-Range2:1000~8000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



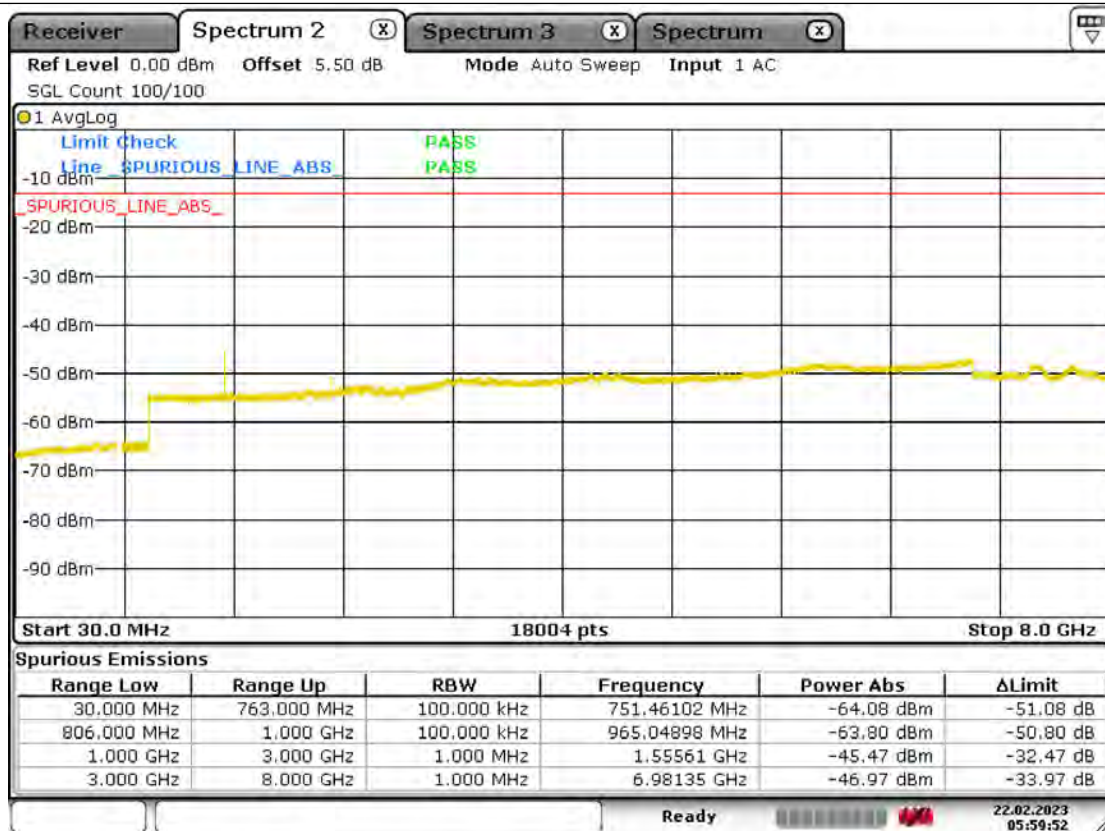
Date: 22.FEB.2023 05:57:04

Band13-5MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



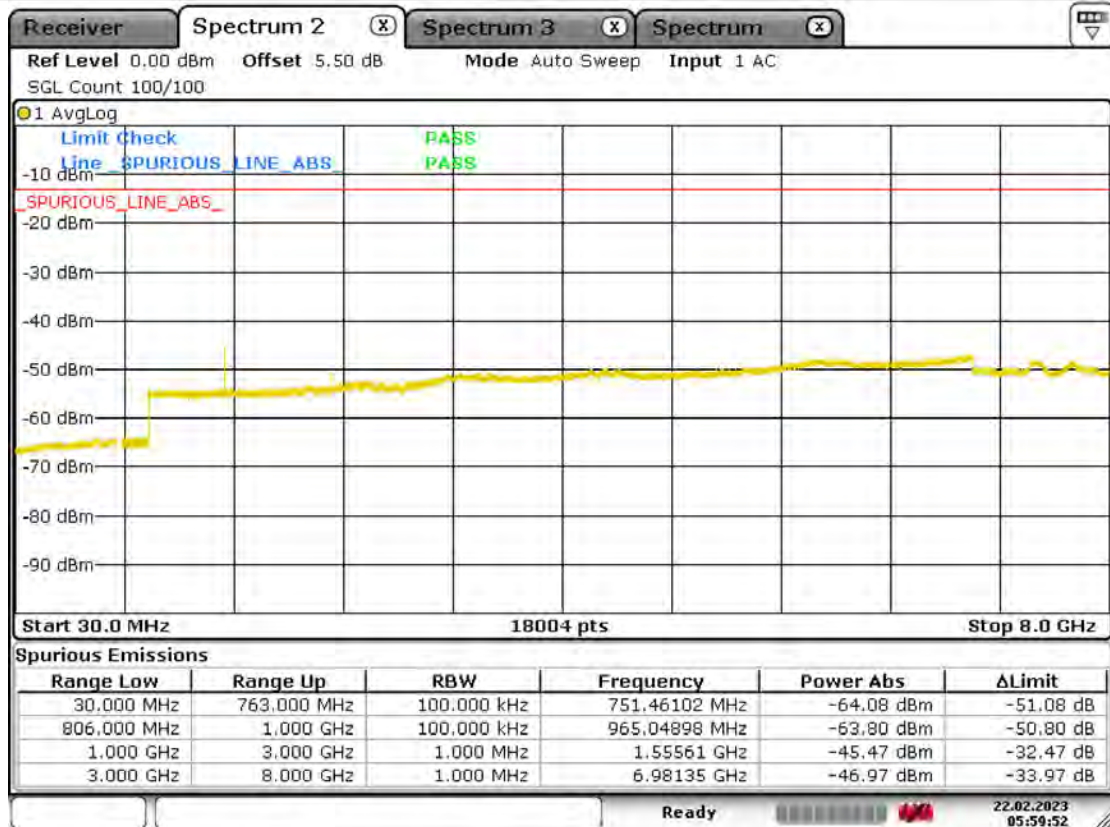
Date: 22.FEB.2023 05:59:52

Band13-5MHz-64QAM-23230-1RB#0-Range2:1000~8000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



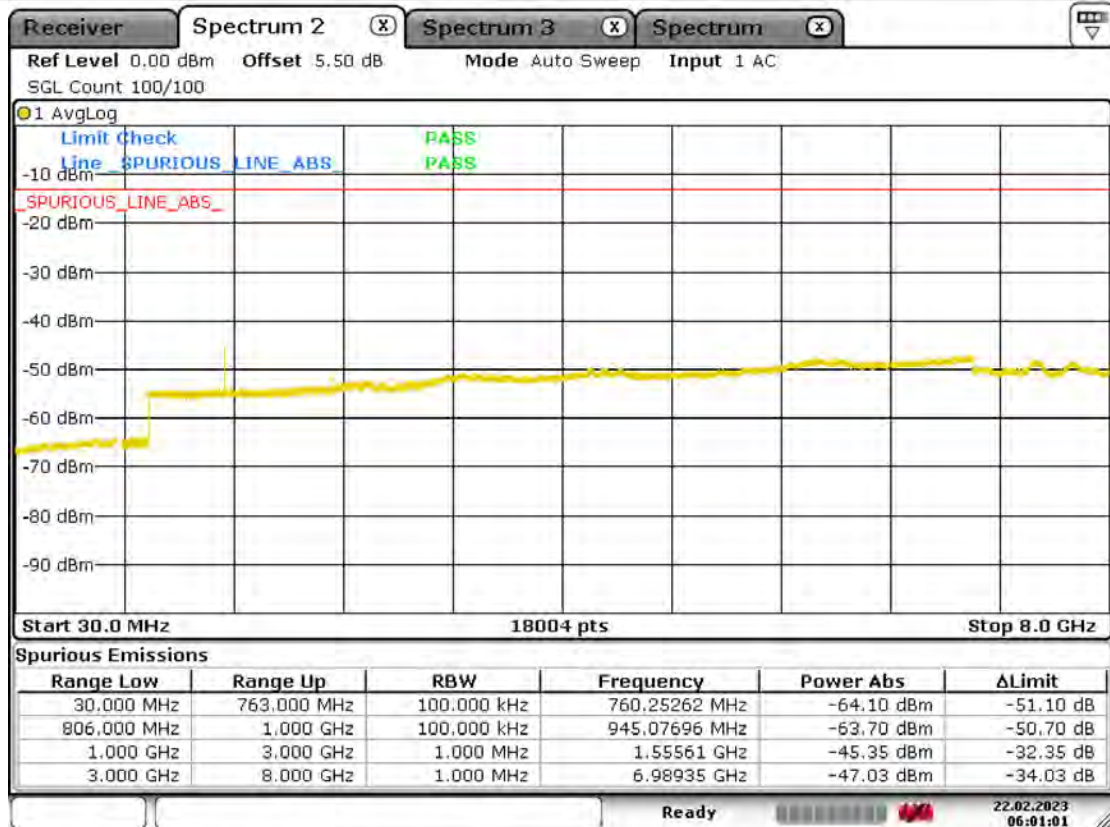
Date: 22.FEB.2023 05:59:52

Band13-5MHz-64QAM-23255-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



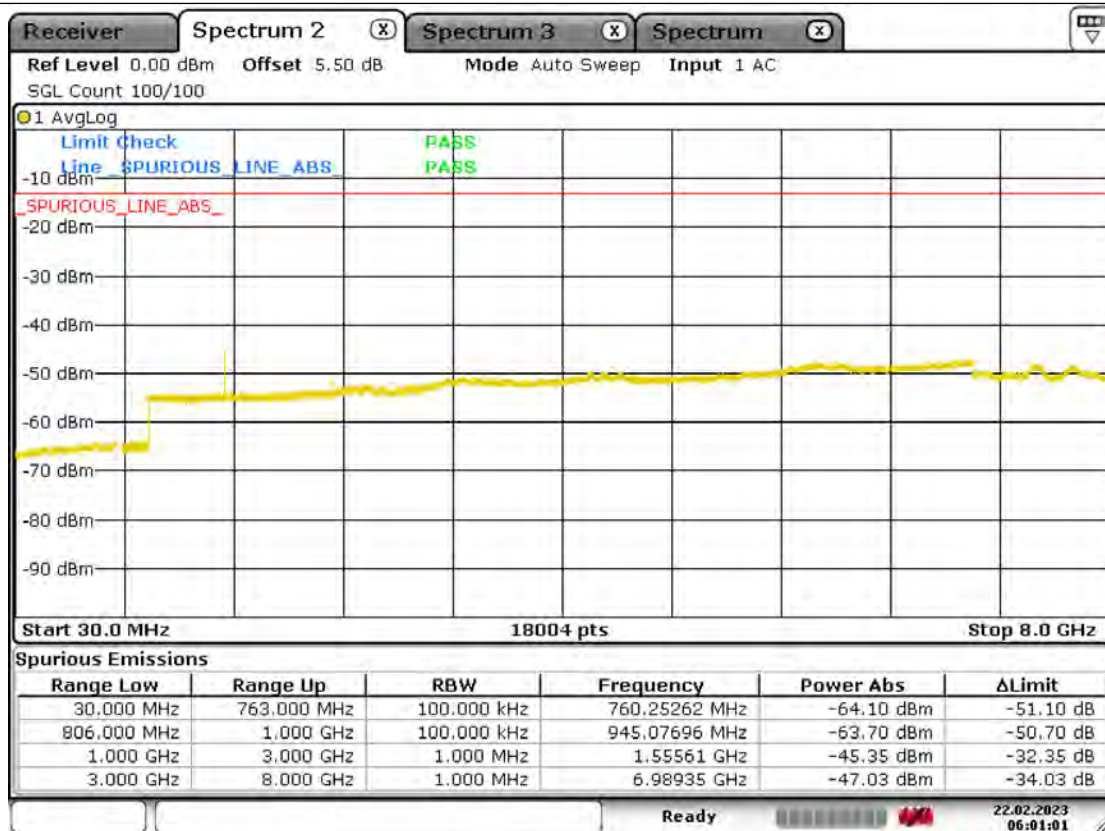
Date: 22.FEB.2023 06:01:00

Band13-5MHz-64QAM-23255-1RB#0-Range2:1000~8000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



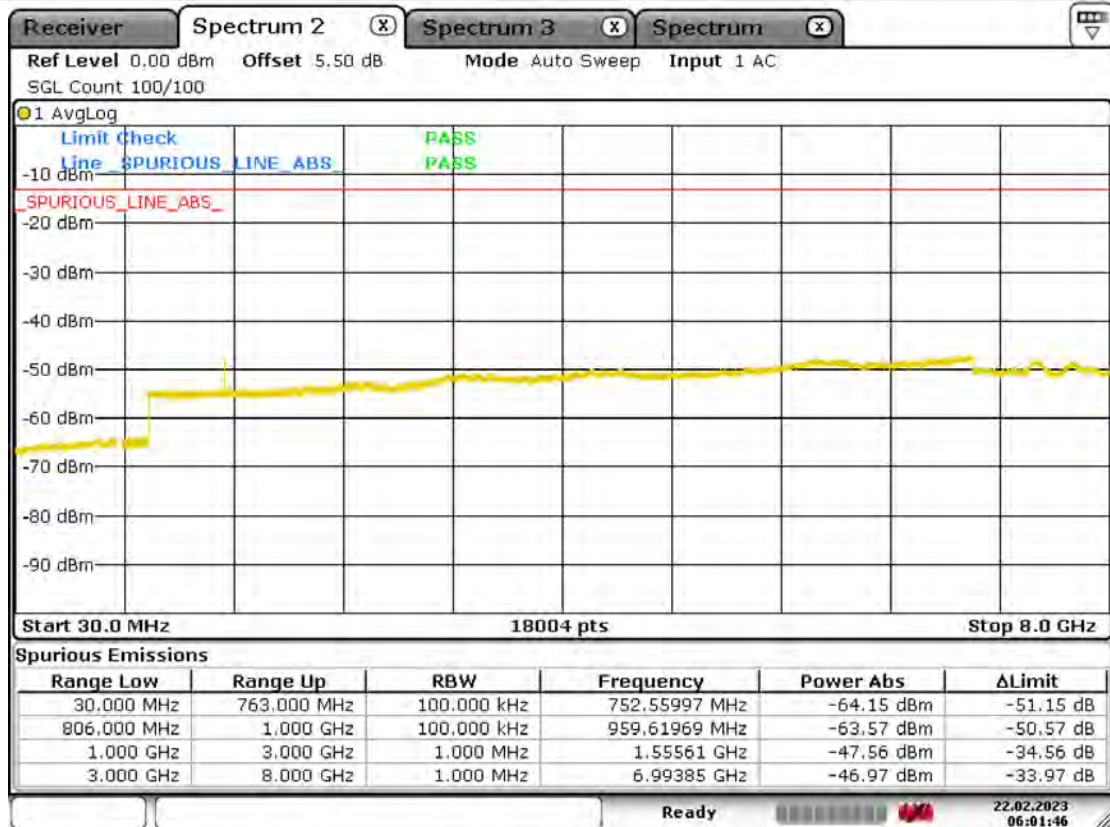
Date: 22.FEB.2023 06:01:00

Band13-10MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23010004-2RF03



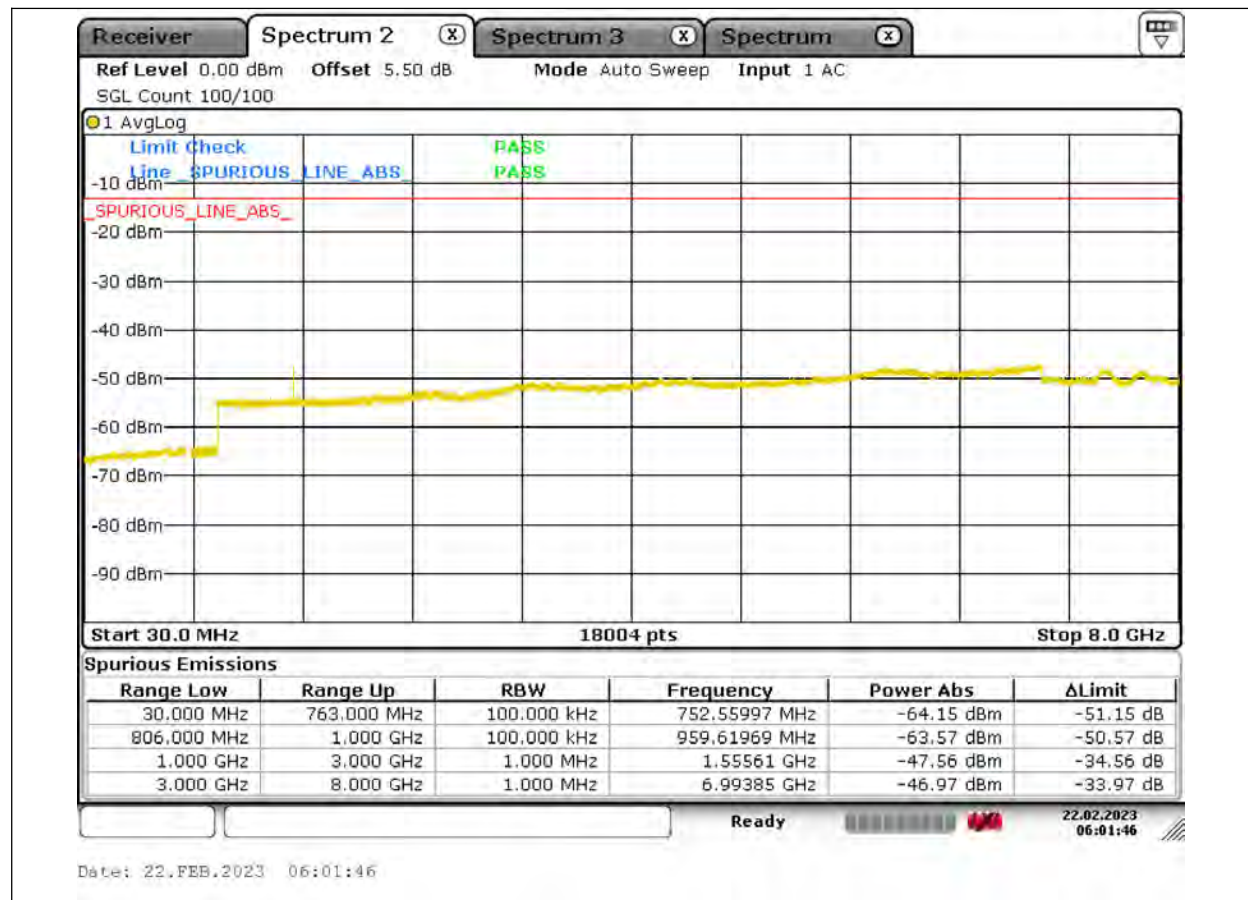
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Band13-10MHz-64QAM-23230-1RB#0-Range2:1000~8000MHz



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Test Report No.: W7L-P23010004-2RF03



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 3	10MHz	QPSK	23230	50RB#0	VL	NT	11.1	0.014194	±2.5	PASS
Band1 3	10MHz	QPSK	23230	50RB#0	VN	NT	-17.7	-0.022634	±2.5	PASS
Band1 3	10MHz	QPSK	23230	50RB#0	VH	NT	-11.6	-0.014834	±2.5	PASS
Band1 3	10MHz	16QAM	23230	50RB#0	VL	NT	22.5	0.028772	±2.5	PASS
Band1 3	10MHz	16QAM	23230	50RB#0	VN	NT	15.9	0.020332	±2.5	PASS
Band1 3	10MHz	16QAM	23230	50RB#0	VH	NT	17.8	0.022762	±2.5	PASS
Band1 3	10MHz	64QAM	23230	50RB#0	VL	NT	-5.3	-0.006777	±2.5	PASS
Band1 3	10MHz	64QAM	23230	50RB#0	VN	NT	-2.9	-0.003708	±2.5	PASS
Band1 3	10MHz	64QAM	23230	50RB#0	VH	NT	-3.3	-0.004220	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1_3	10MHz	QPSK	23230	50RB#0	NV	-30	15.61	0.019962	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	-20	10.51	0.013440	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	0	5.44	0.006957	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	10	-6.15	-0.007864	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	20	-10.59	-0.013542	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	30	5.44	0.006957	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	40	-6.15	-0.007864	±2.5	PASS
Band1_3	10MHz	QPSK	23230	50RB#0	NV	50	-10.59	-0.013542	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	-30	14.12	0.018056	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	-20	23.65	0.030243	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	0	30.31	0.038760	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	10	35.26	0.045090	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	20	39.53	0.050550	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	30	30.31	0.038760	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	40	35.26	0.045090	±2.5	PASS
Band1_3	10MHz	16QAM	23230	50RB#0	NV	50	39.53	0.050550	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	-30	-4.71	-0.006023	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	-20	-8.63	-0.011036	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	0	-11.50	-0.014706	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	10	-10.43	-0.013338	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	20	-9.40	-0.012020	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	30	-10.43	-0.013338	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	40	-9.40	-0.012020	±2.5	PASS
Band1_3	10MHz	64QAM	23230	50RB#0	NV	50	-9.40	-0.012020	±2.5	PASS



Test Report No.: W7L-P23010004-2RF03

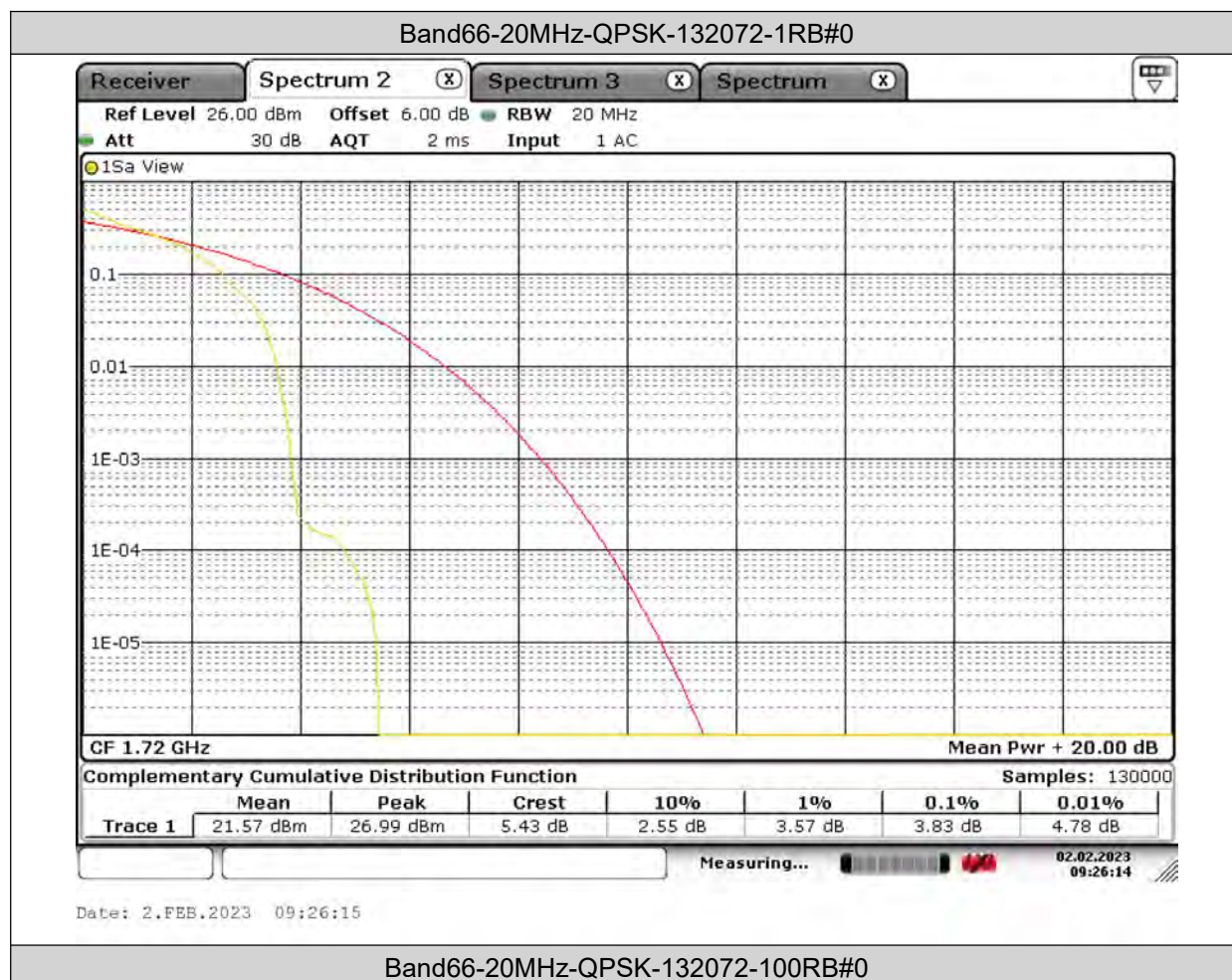
LTE BAND66

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	3.83	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.01	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	5.10	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.70	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.16	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	4.87	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.88	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	5.83	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.97	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	5.19	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.03	13	PASS
Band66	20MHz	64QAM	132072	1RB#0	5.13	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.17	13	PASS
Band66	20MHz	64QAM	132322	1RB#0	5.91	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.35	13	PASS
Band66	20MHz	64QAM	132572	1RB#0	5.77	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.41	13	PASS

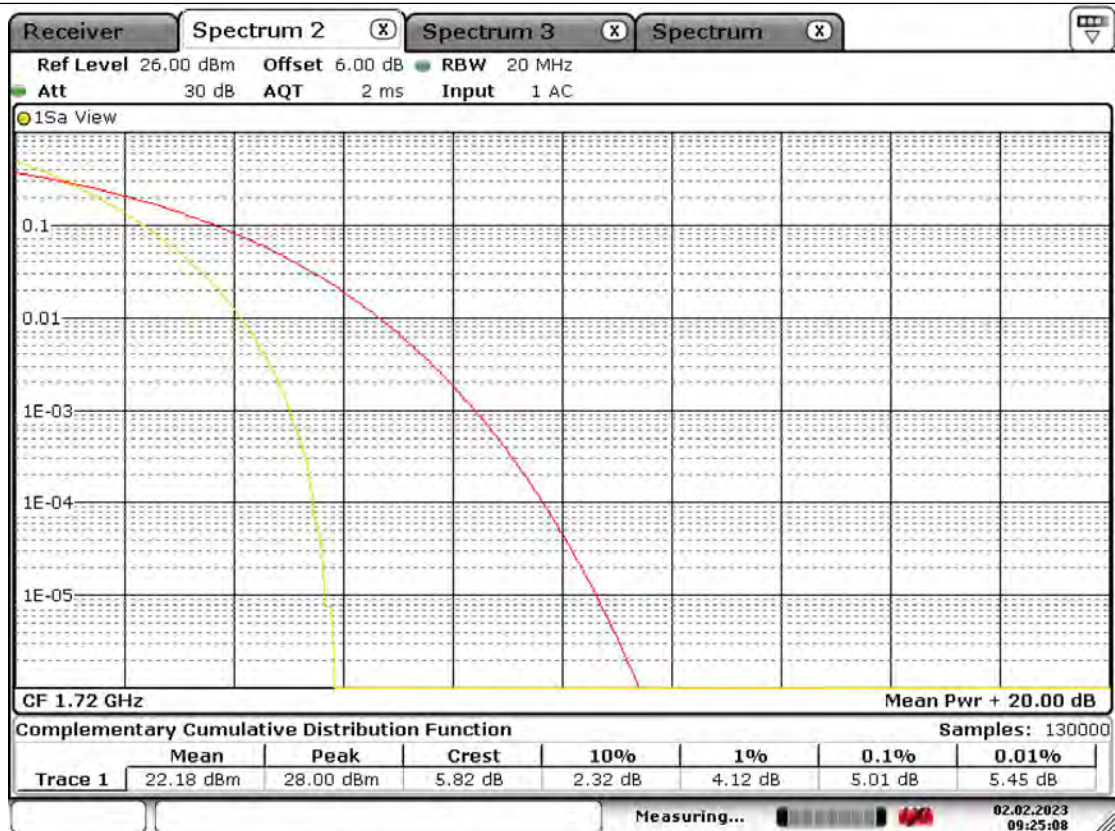
Test Graphs





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Test Report No.: W7L-P23010004-2RF03



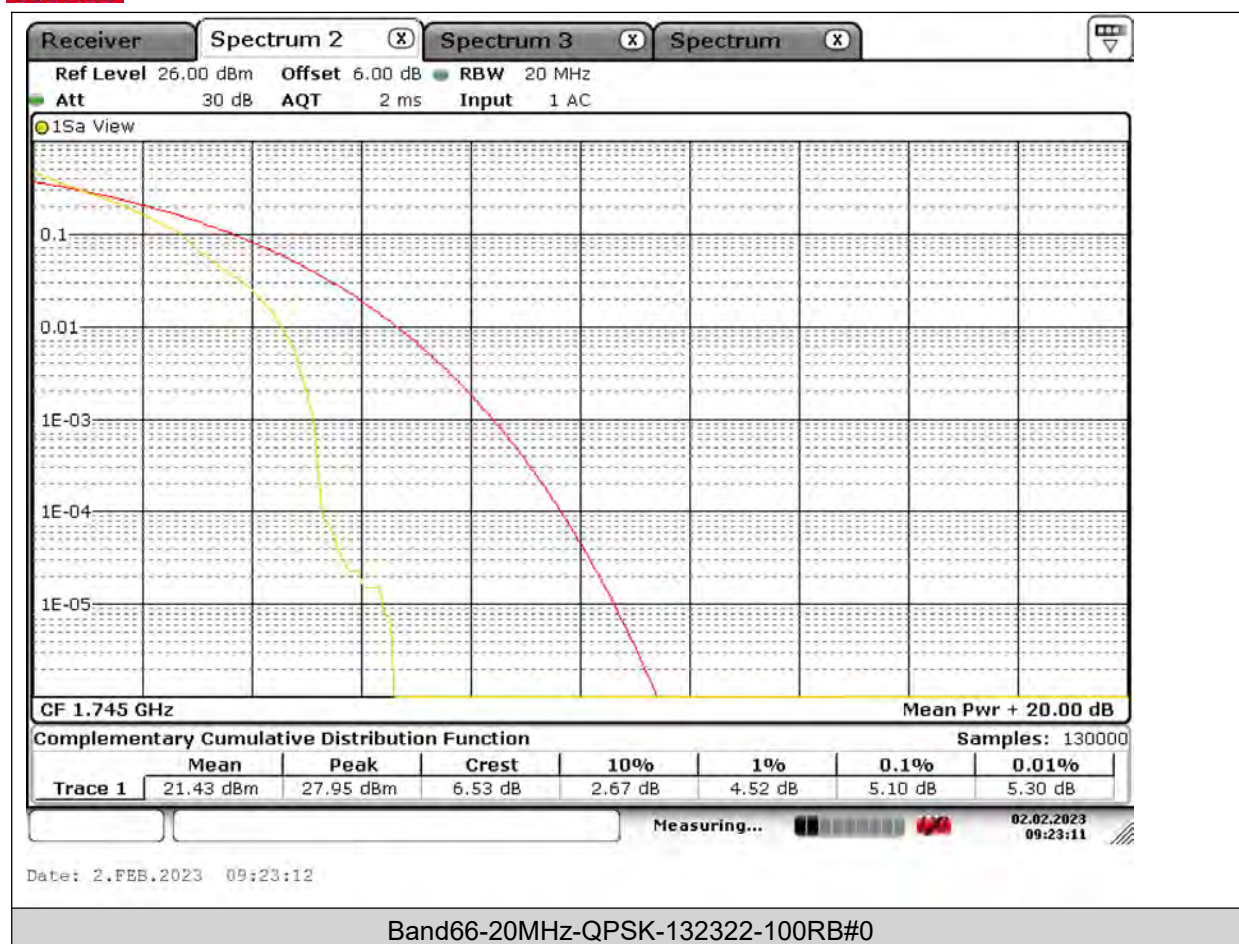
Date: 2.FEB.2023 09:25:08

Band66-20MHz-QPSK-132322-1RB#0



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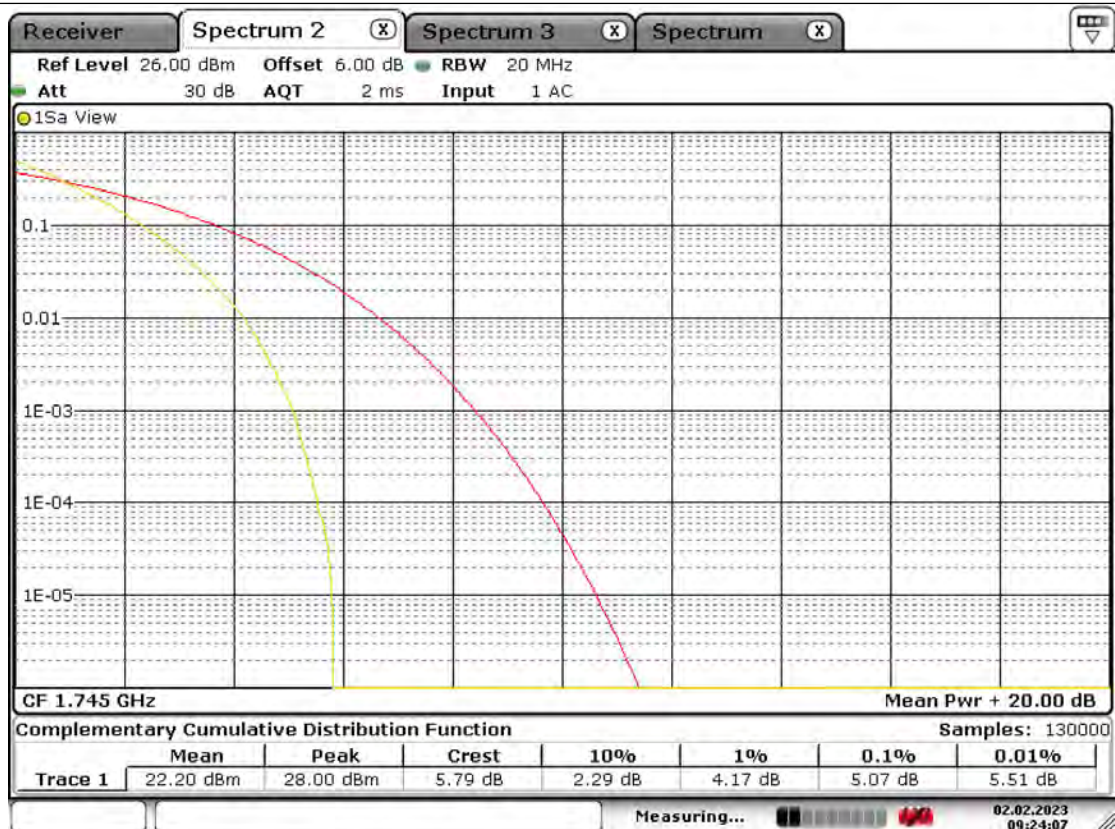
Test Report No.: W7L-P23010004-2RF03





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Test Report No.: W7L-P23010004-2RF03



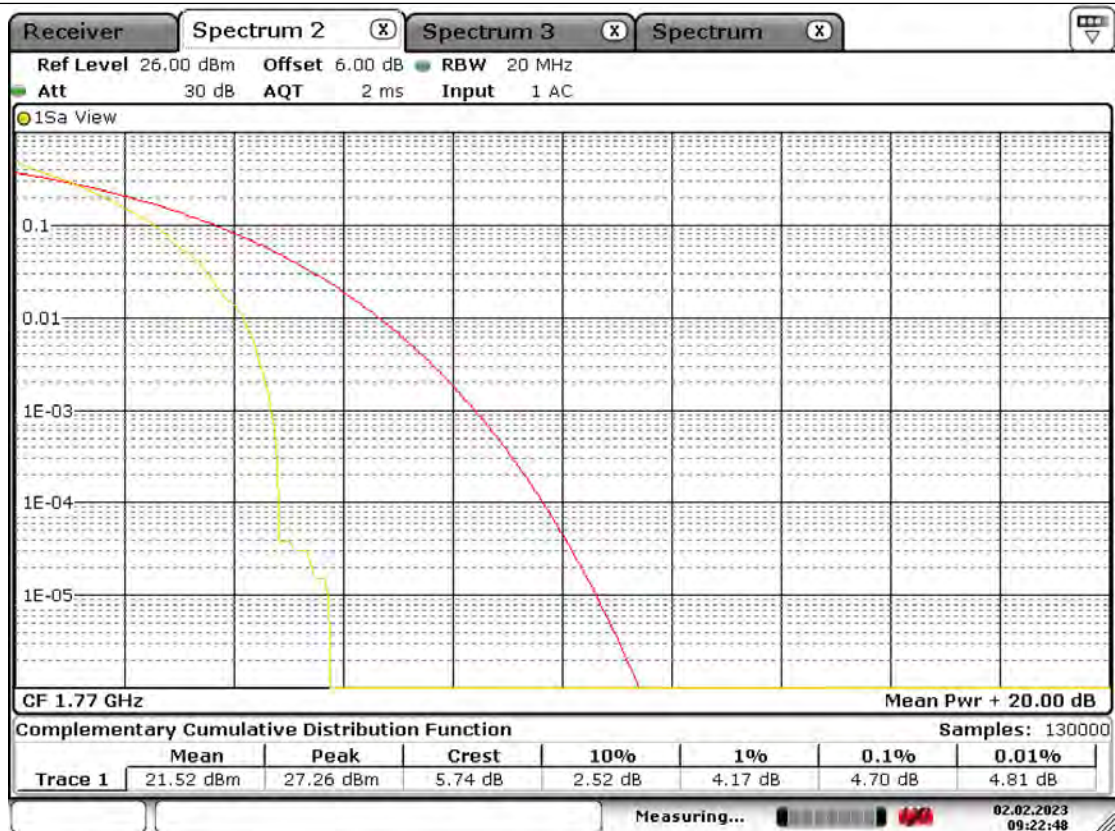
Date: 2.FEB.2023 09:24:08

Band66-20MHz-QPSK-132572-1RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



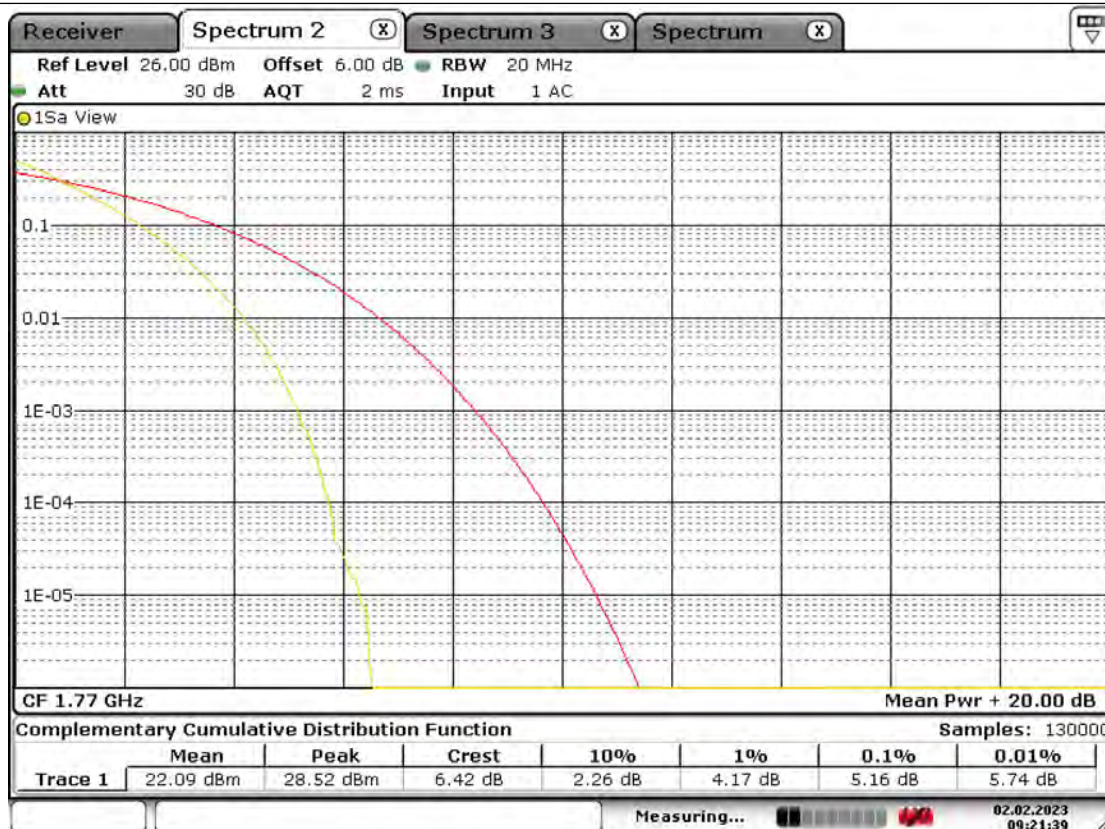
Date: 2.FEB.2023 09:22:49

Band66-20MHz-QPSK-132572-100RB#0



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Test Report No.: W7L-P23010004-2RF03



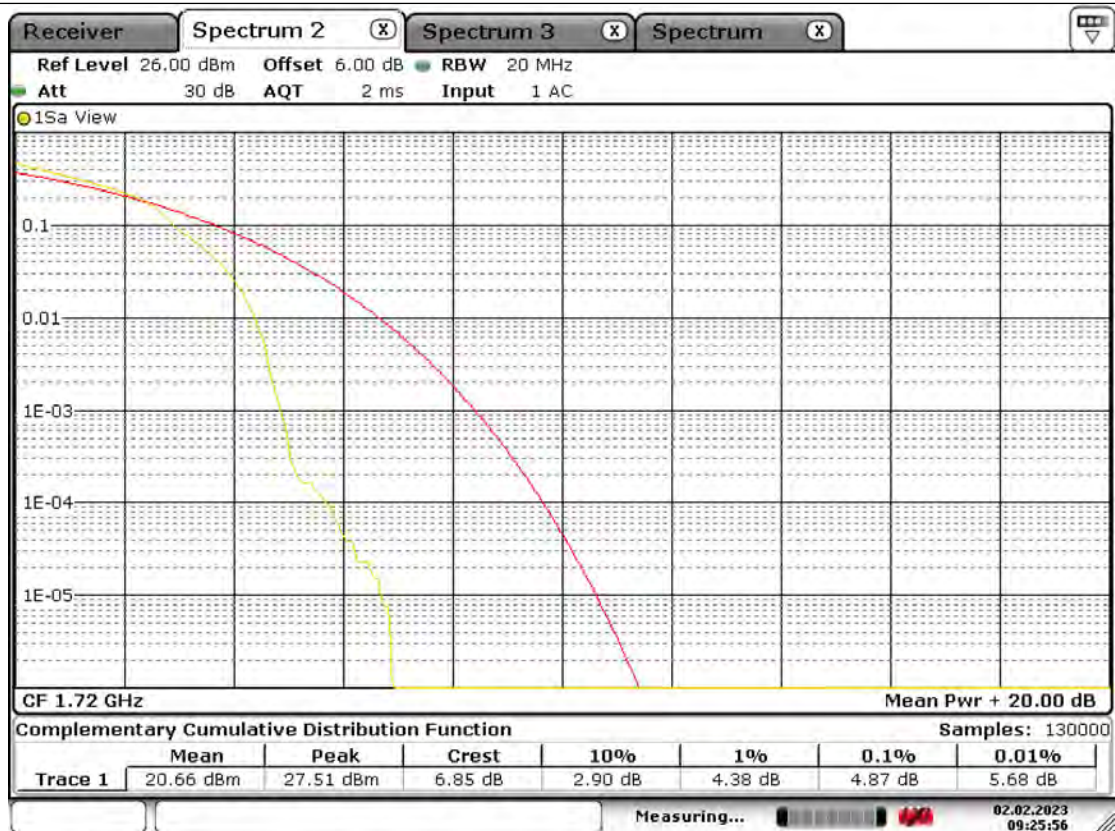
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Band66-20MHz-16QAM-132072-1RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



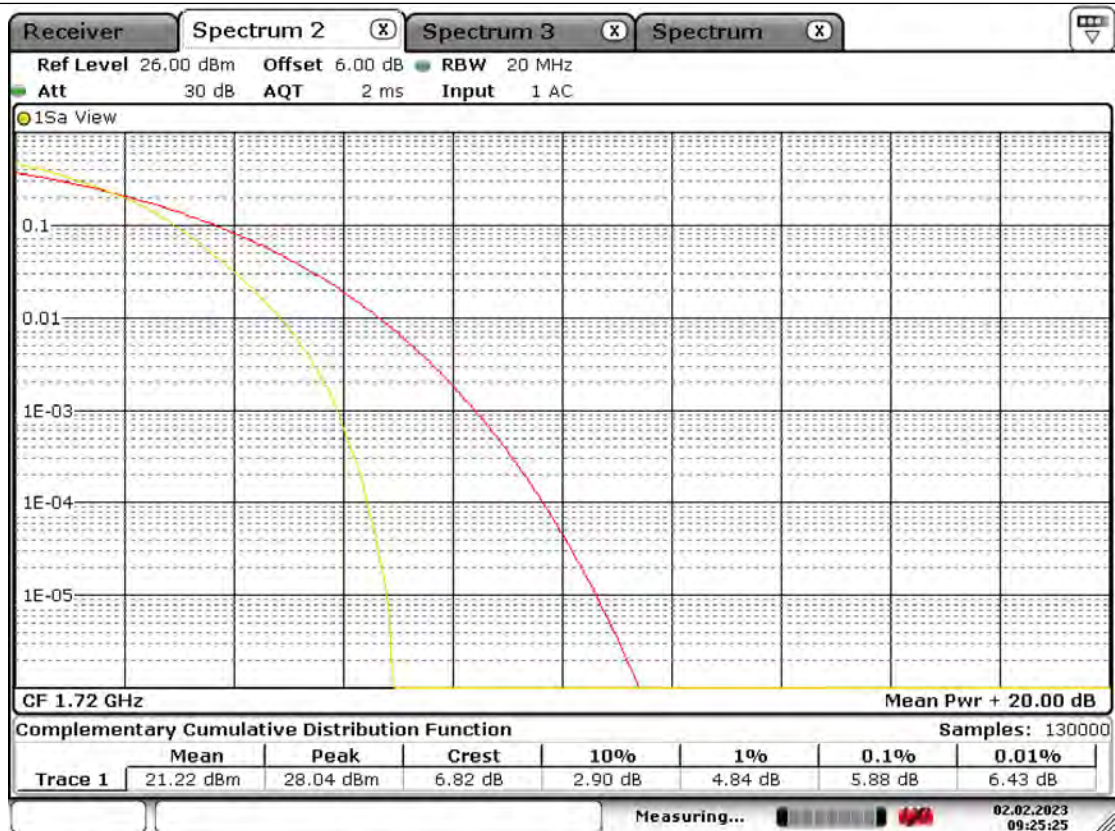
Date: 2.FEB.2023 09:25:56

Band66-20MHz-16QAM-132072-100RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



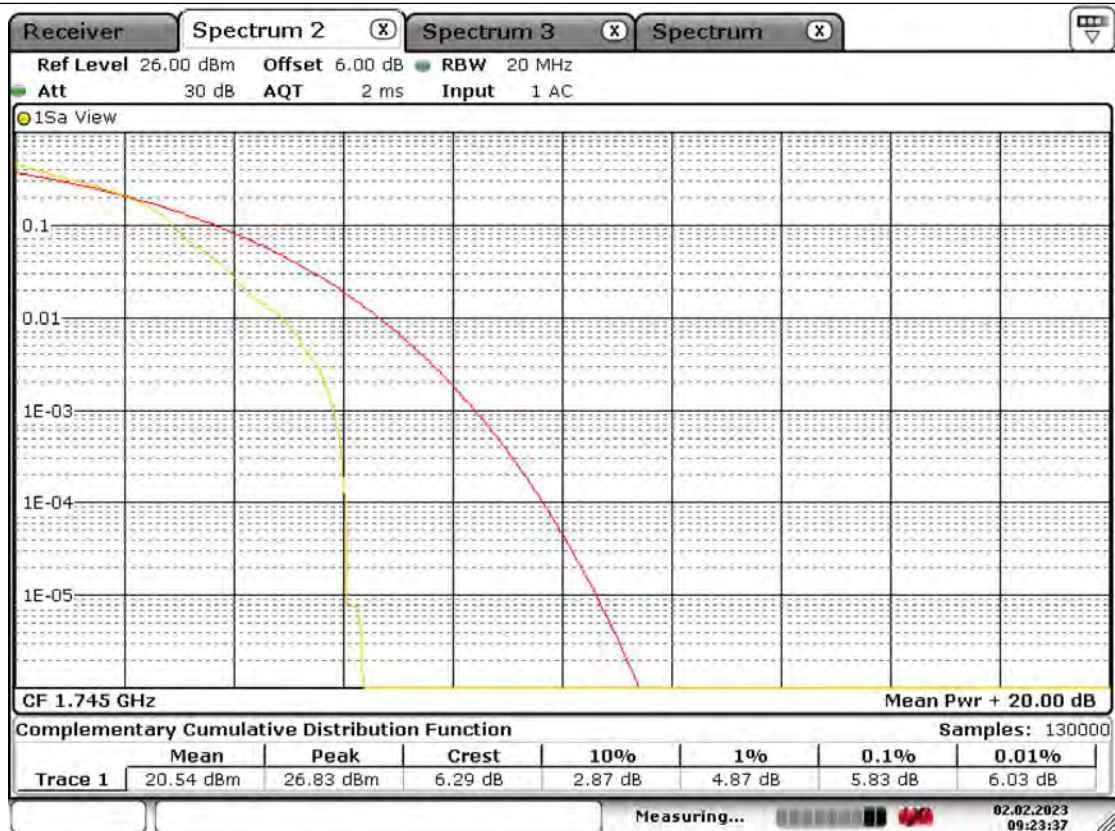
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Band66-20MHz-16QAM-132322-1RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



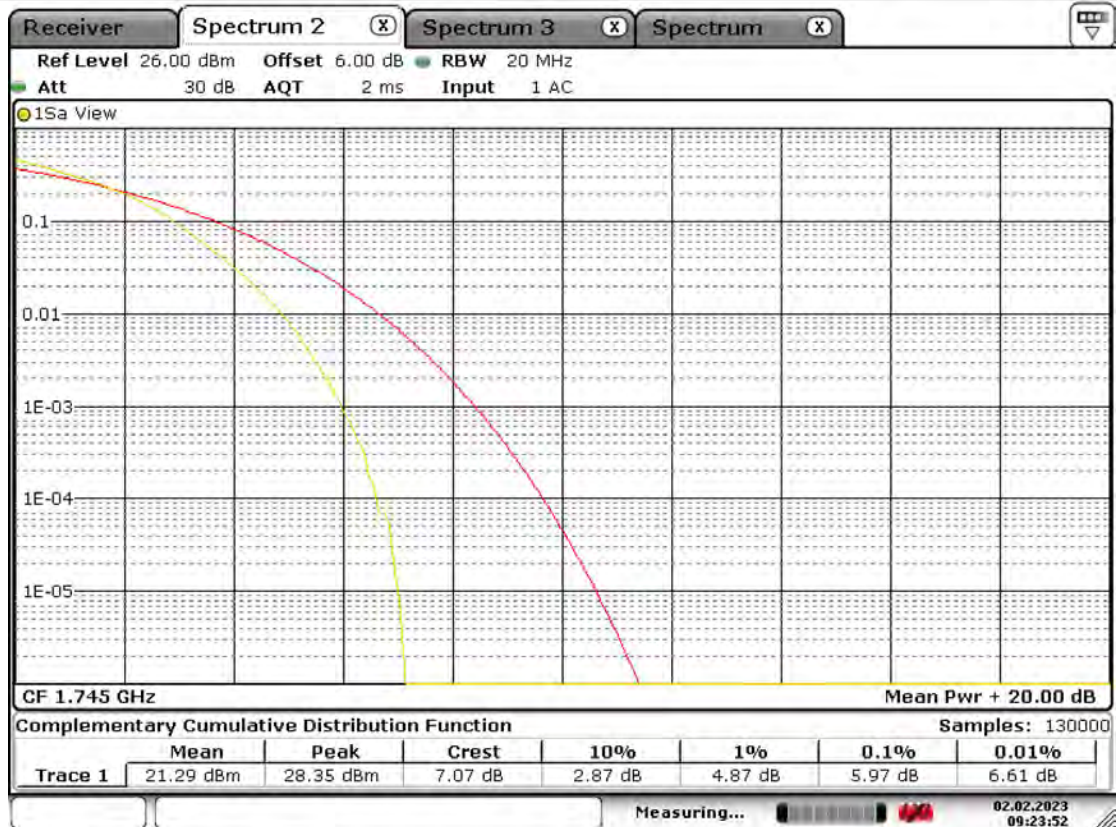
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Band66-20MHz-16QAM-132322-100RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



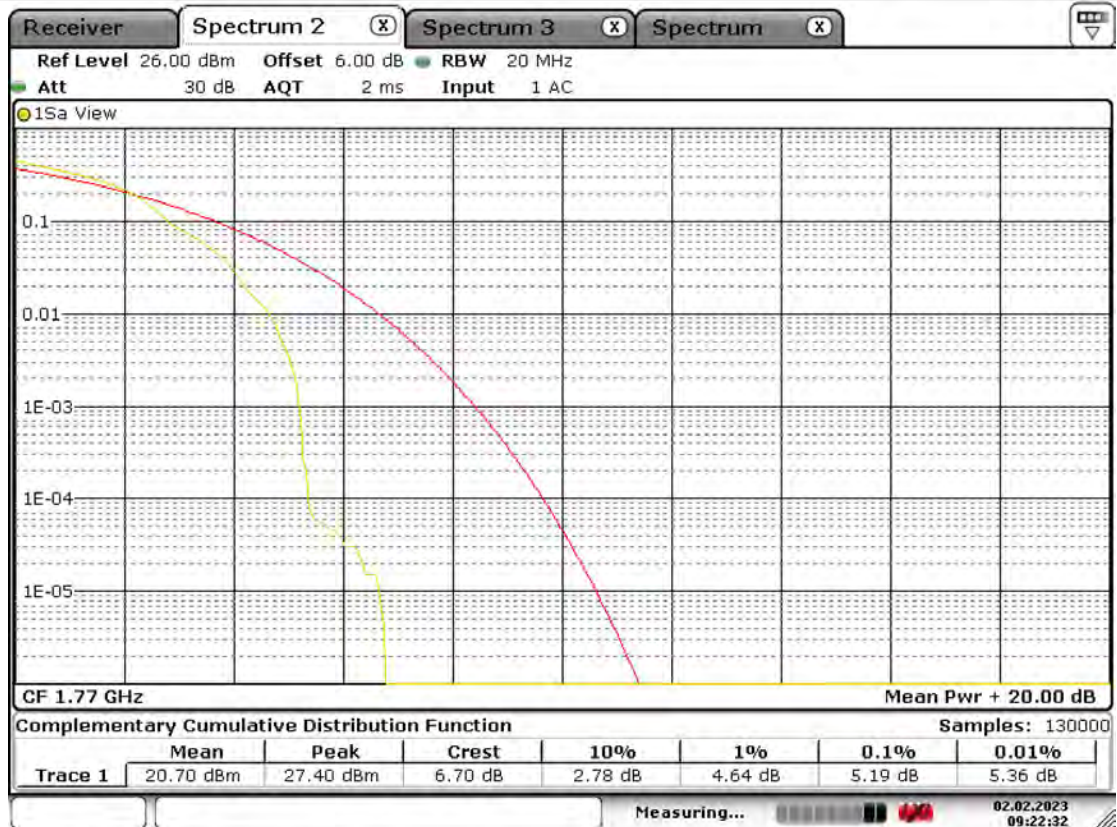
Date: 2.FEB.2023 09:23:52

Band66-20MHz-16QAM-132572-1RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



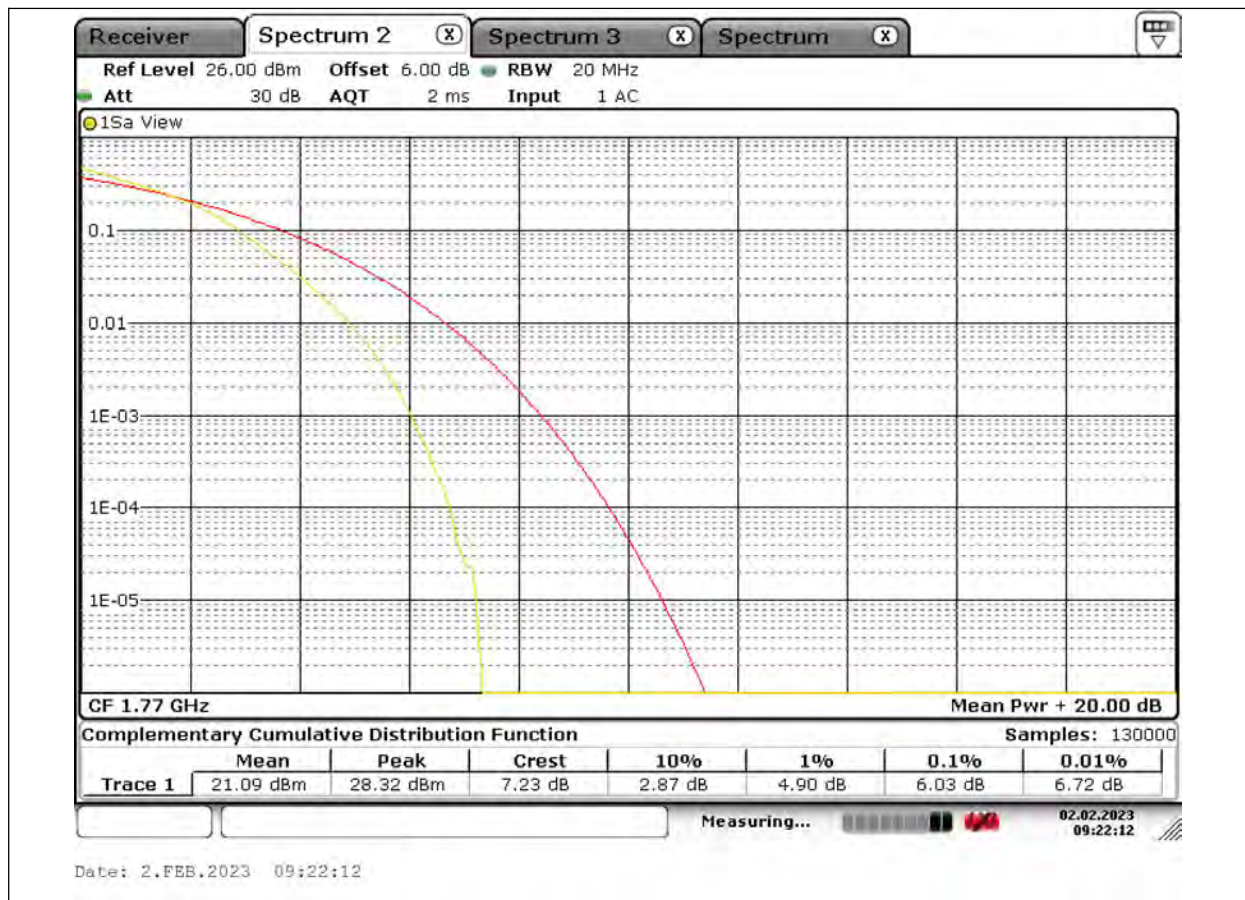
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Band66-20MHz-16QAM-132572-100RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03

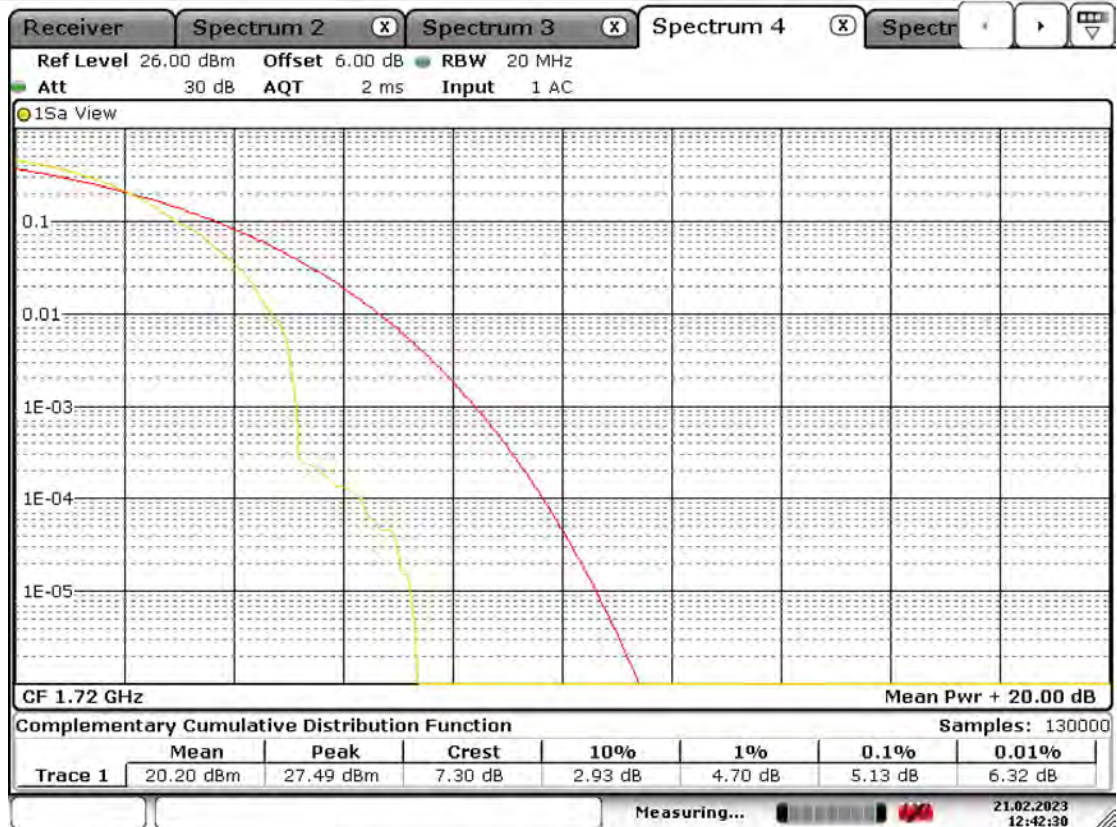


Band66-20MHz-64QAM-132072-1RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



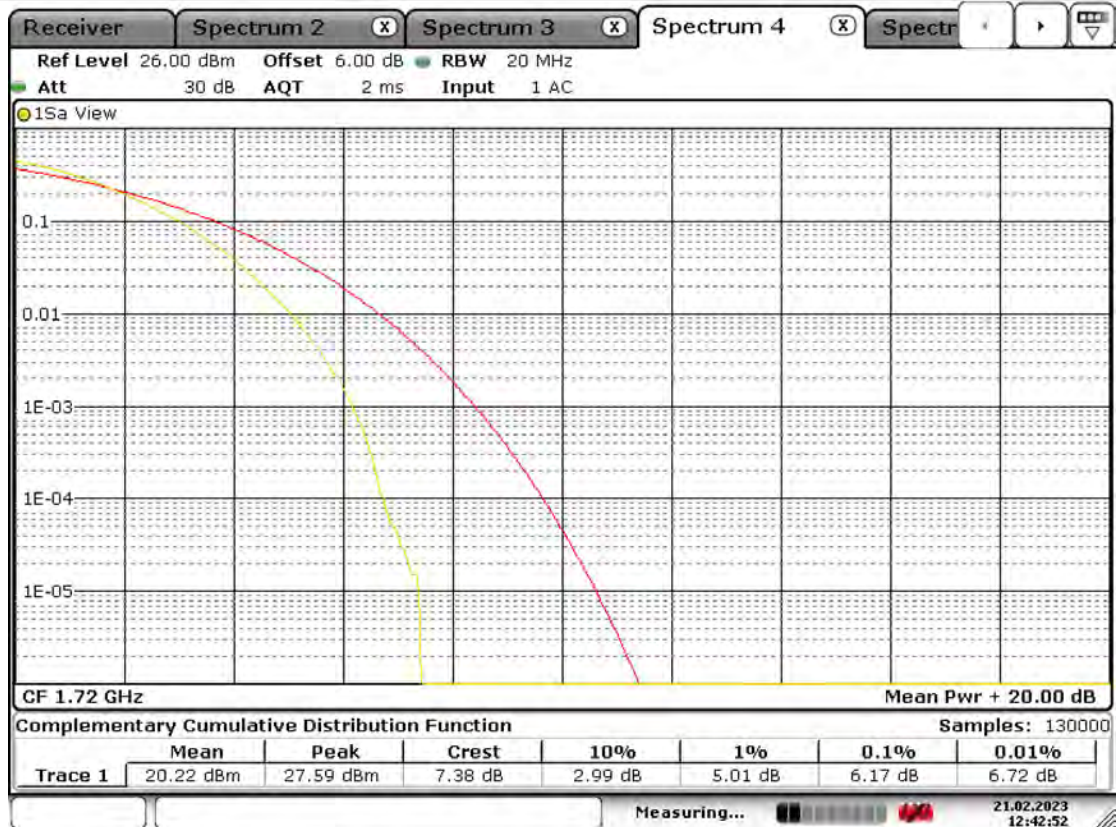
Date: 21.FEB.2023 12:42:31

Band66-20MHz-64QAM-132072-100RB#0



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VERITAS

Test Report No.: W7L-P23010004-2RF03



Date: 21.FEB.2023 12:42:52

Band66-20MHz-64QAM-132322-1RB#0