



Test Report No.: PSU-NQN2402040109RF03

Test Graphs

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



12:20:36 AM 01/09/2024

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



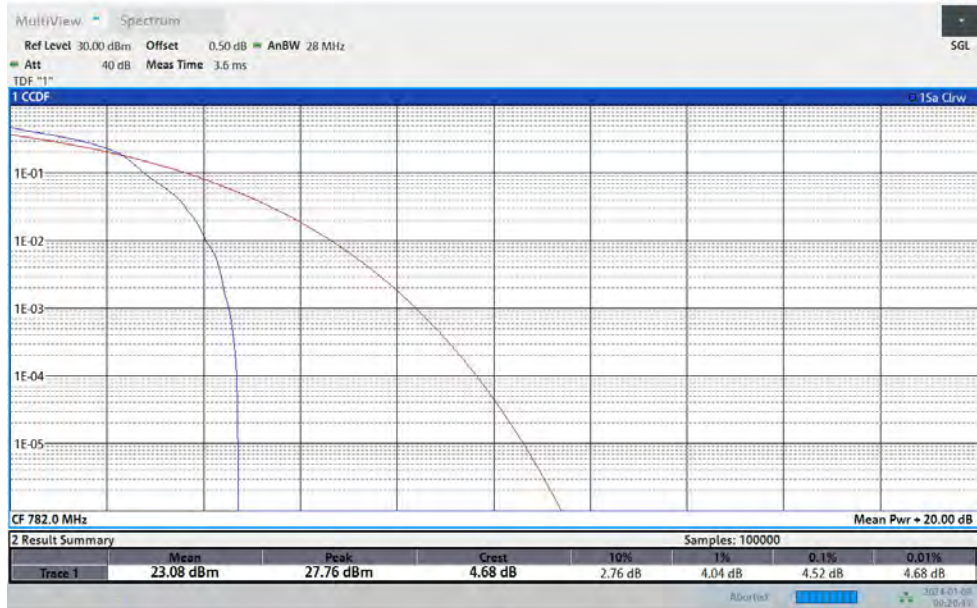
12:20:40 AM 01/09/2024

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



BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



12:20:45 AM 01/09/2024

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



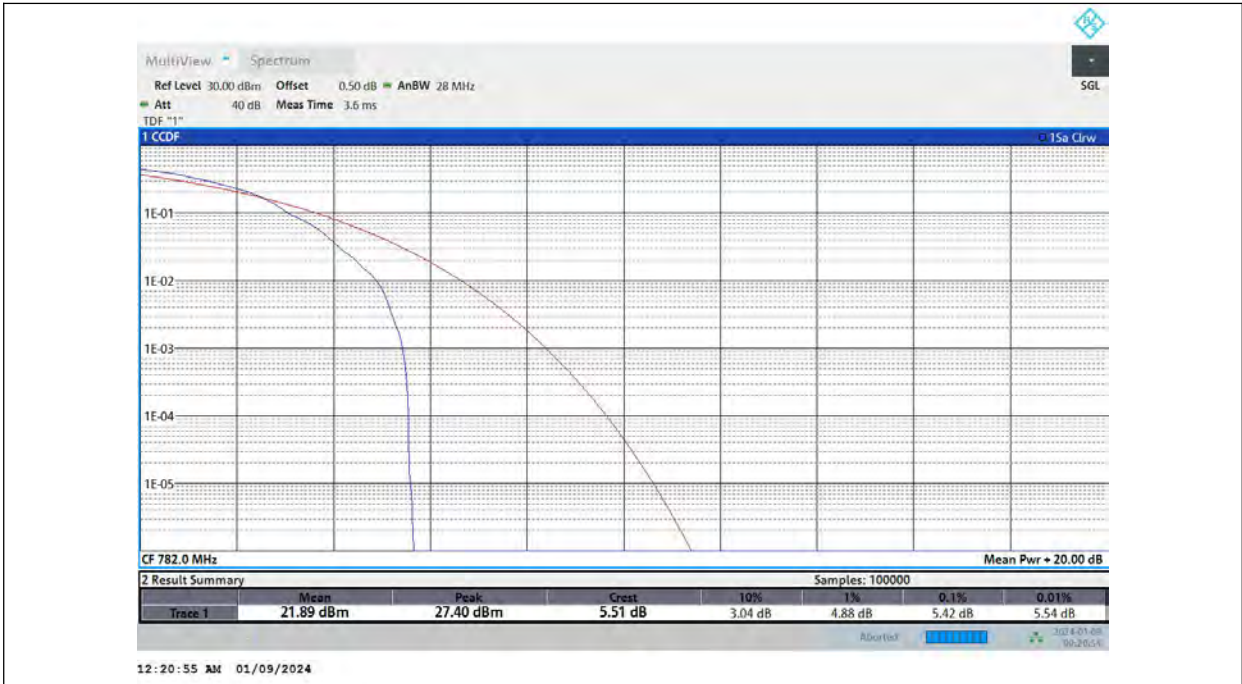
12:20:49 AM 01/09/2024

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

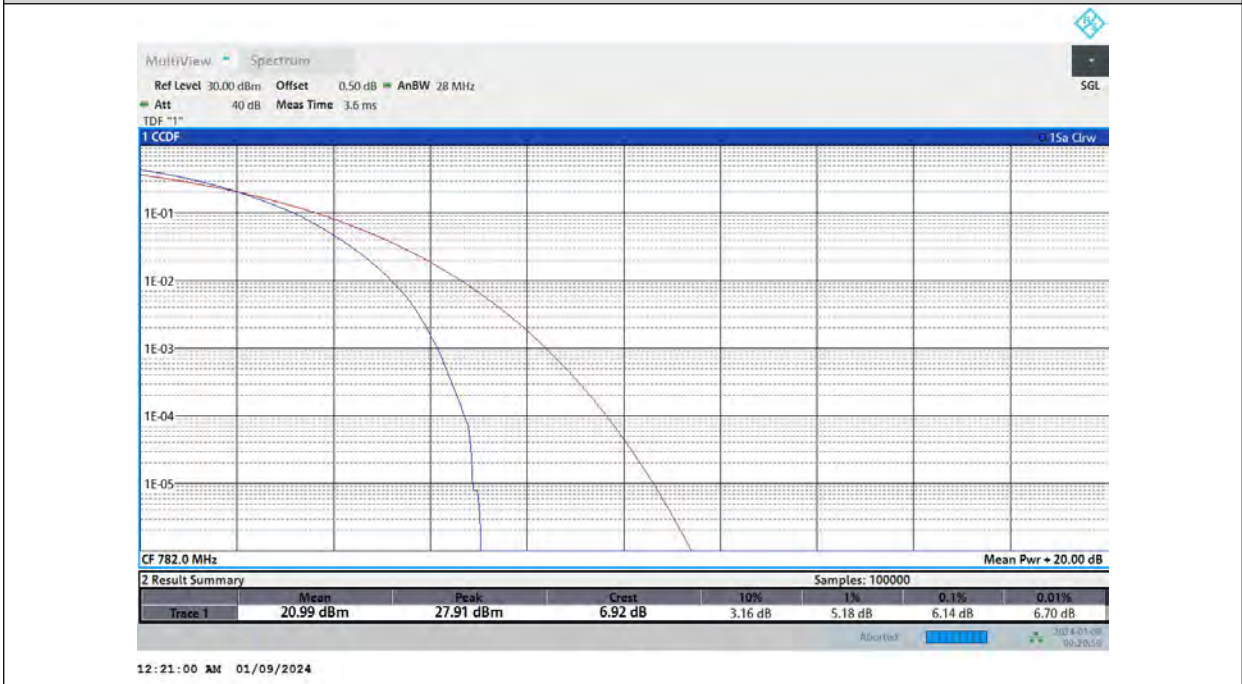


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

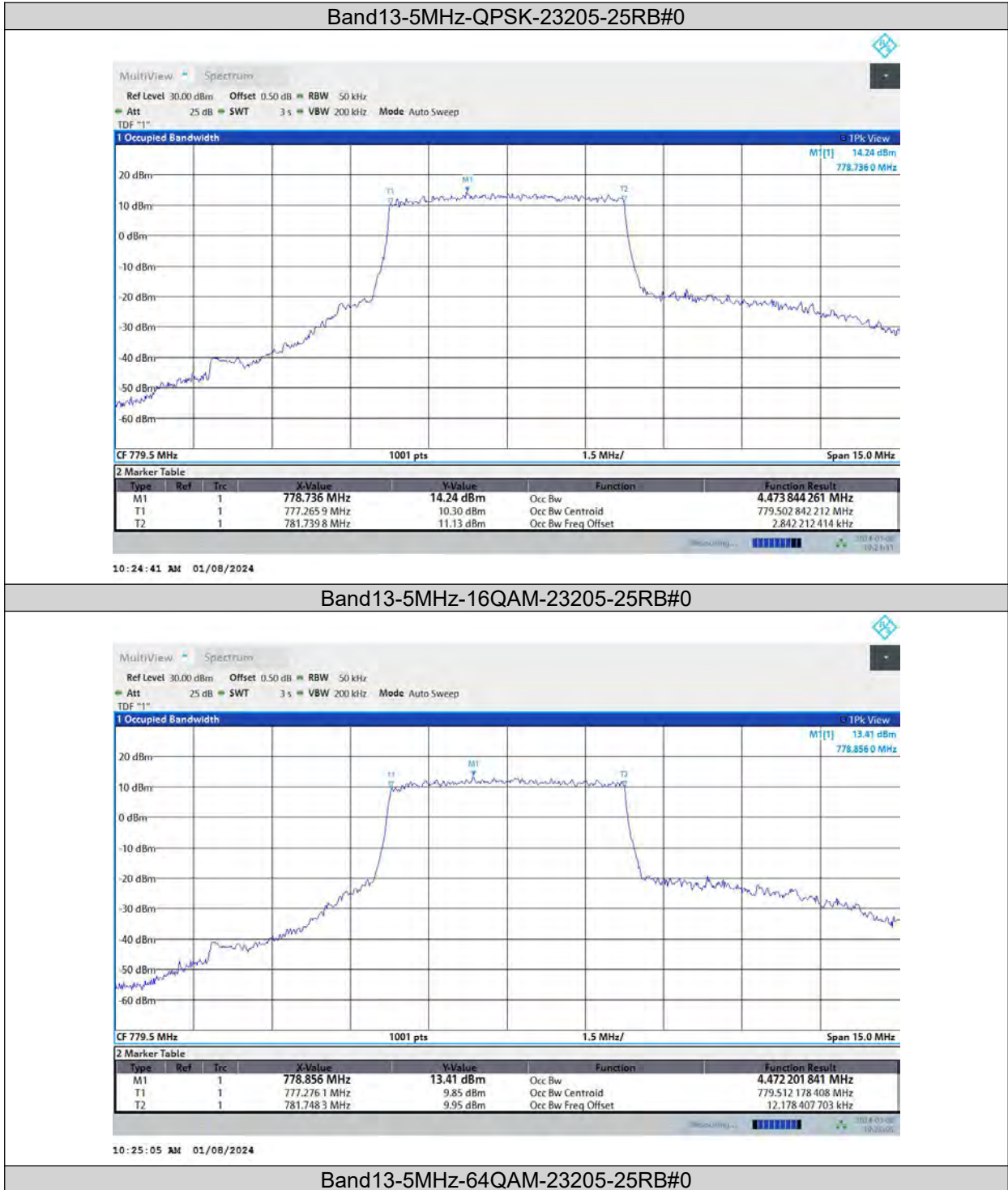
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.474	4.87	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.472	4.81	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.470	4.86	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.482	4.87	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.490	4.93	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.482	4.93	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.492	4.92	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.482	4.95	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.478	4.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.937	9.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.930	9.56	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.928	9.62	PASS



Test Graphs

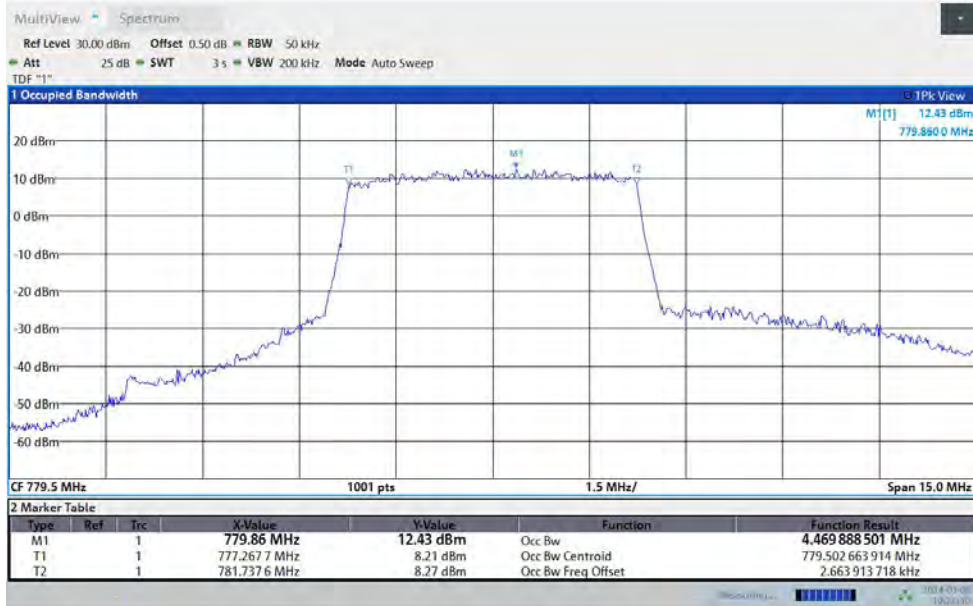
Occupied Bandwidth



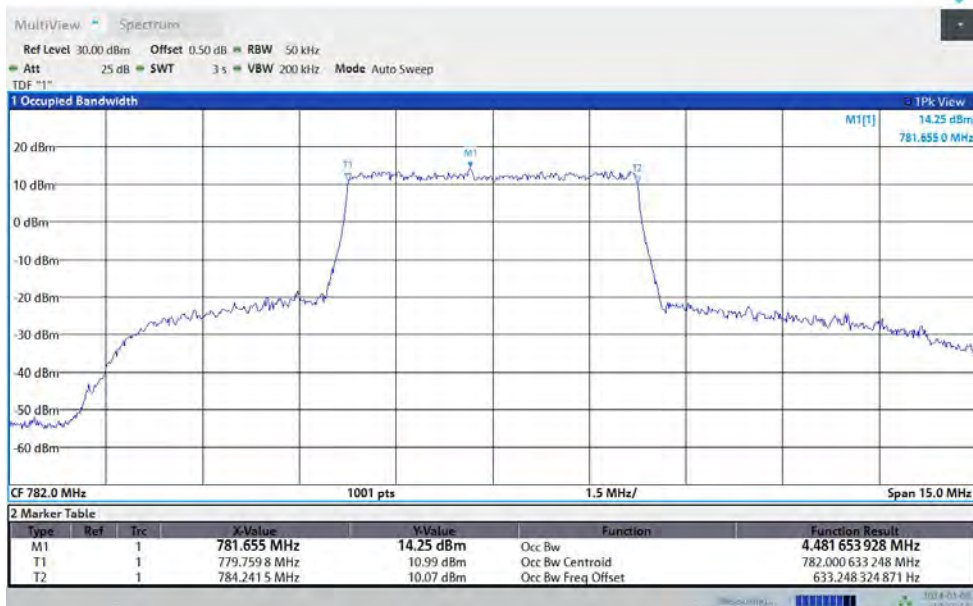


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Test Report No.: PSU-NQN2402040109RF03



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

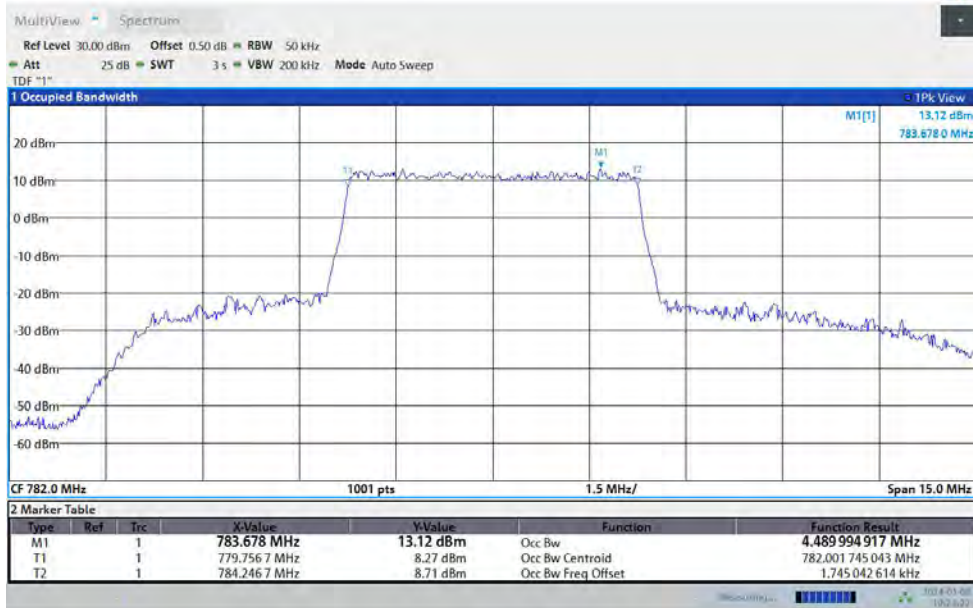


Band13-5MHz-16QAM-23230-6RB#0

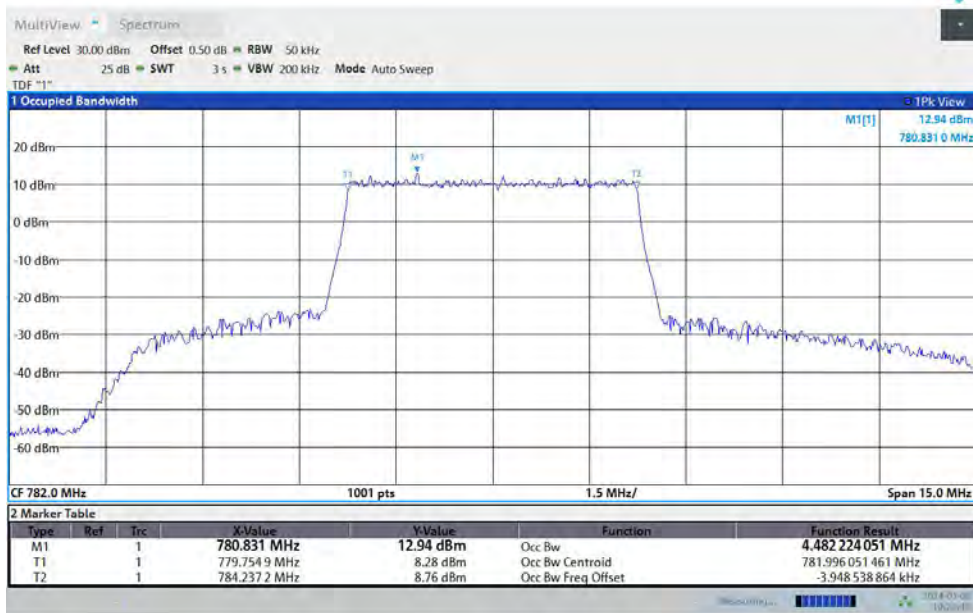


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23230-6RB#0

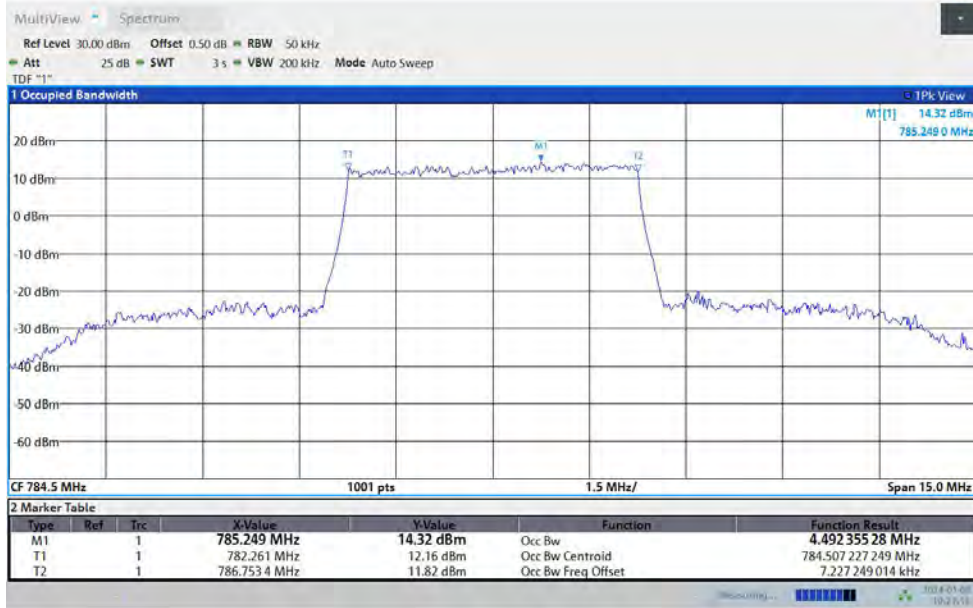


Band13-5MHz-QPSK-23255-25RB#0

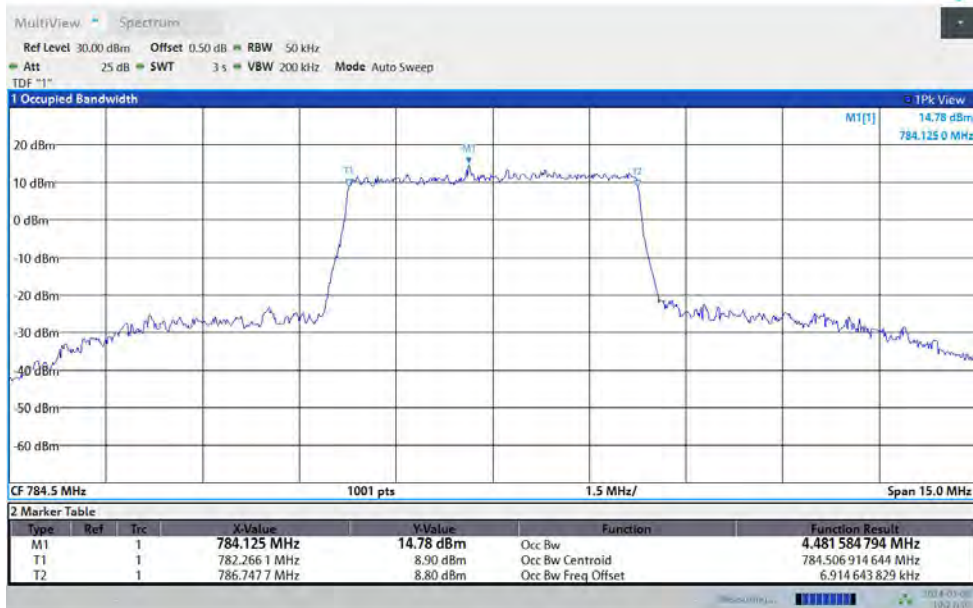


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Test Report No.: PSU-NQN2402040109RF03



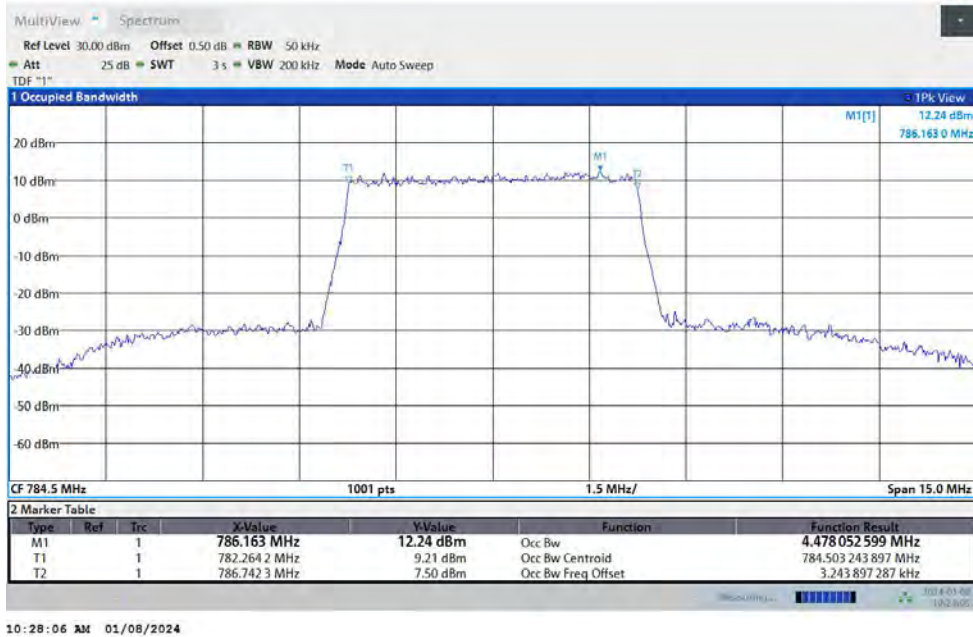
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Band13-5MHz-64QAM-23255-25RB#0

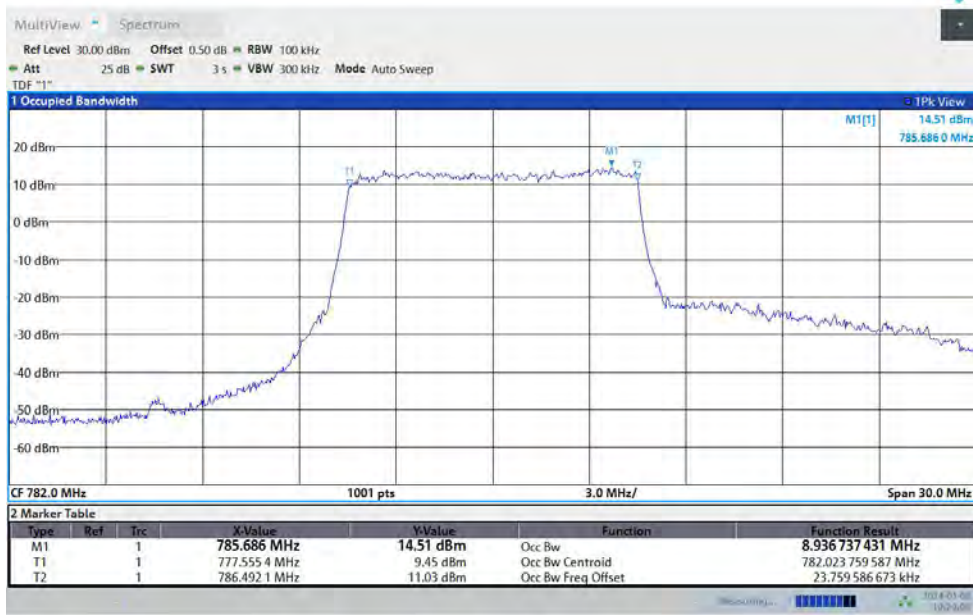


Test Report No.: PSU-NQN2402040109RF03



10:28:06 AM 01/08/2024

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



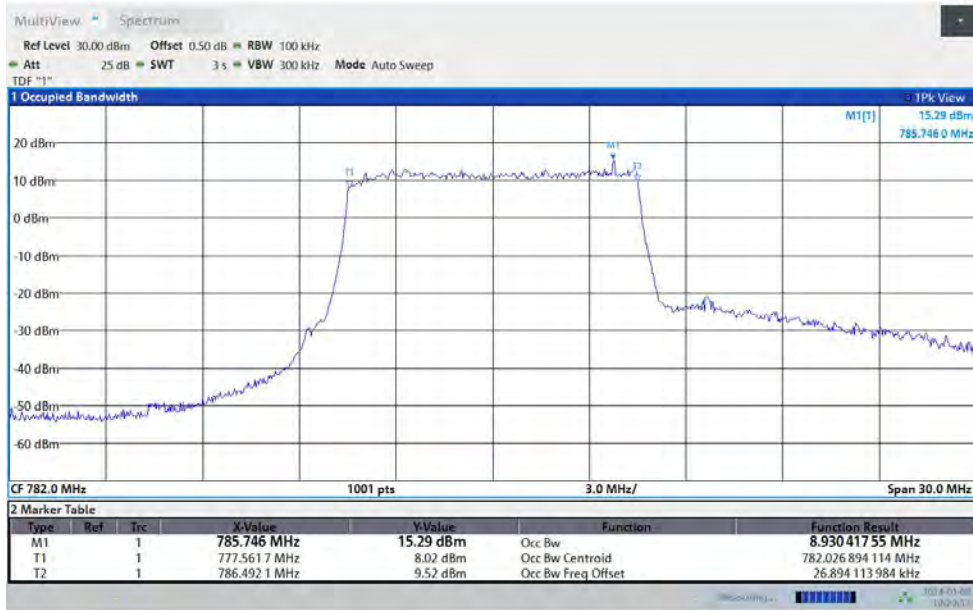
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Band13-10MHz-16QAM-23230-50RB#0



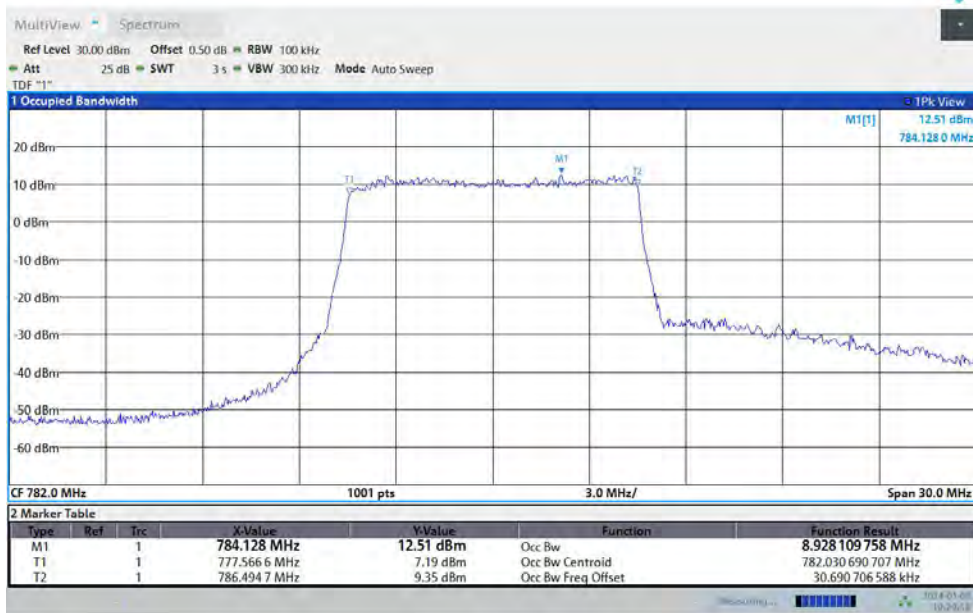
BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



10:29:33 AM 01/08/2024

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



10:29:59 AM 01/08/2024

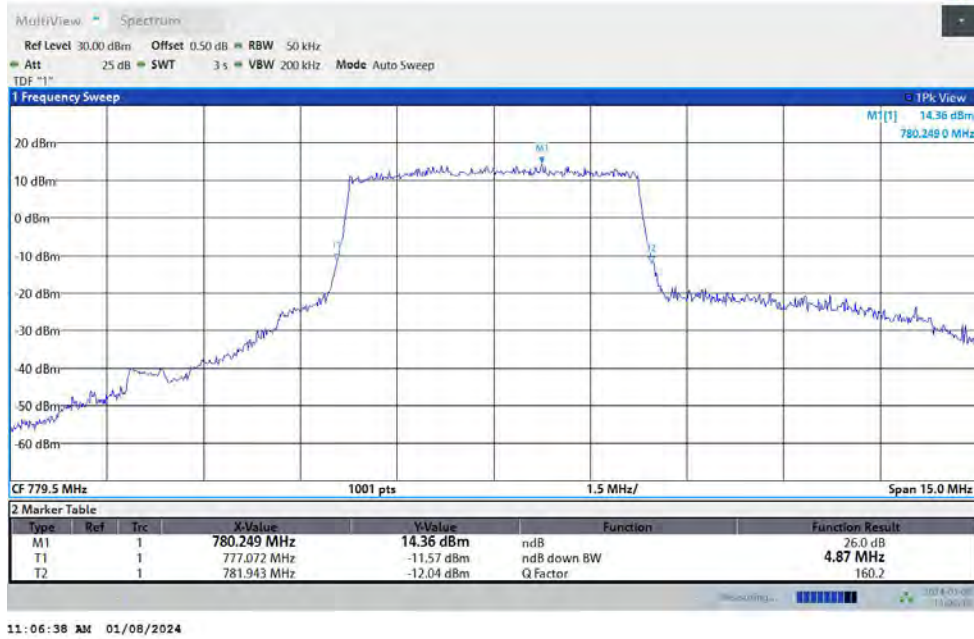
26dB Bandwidth

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

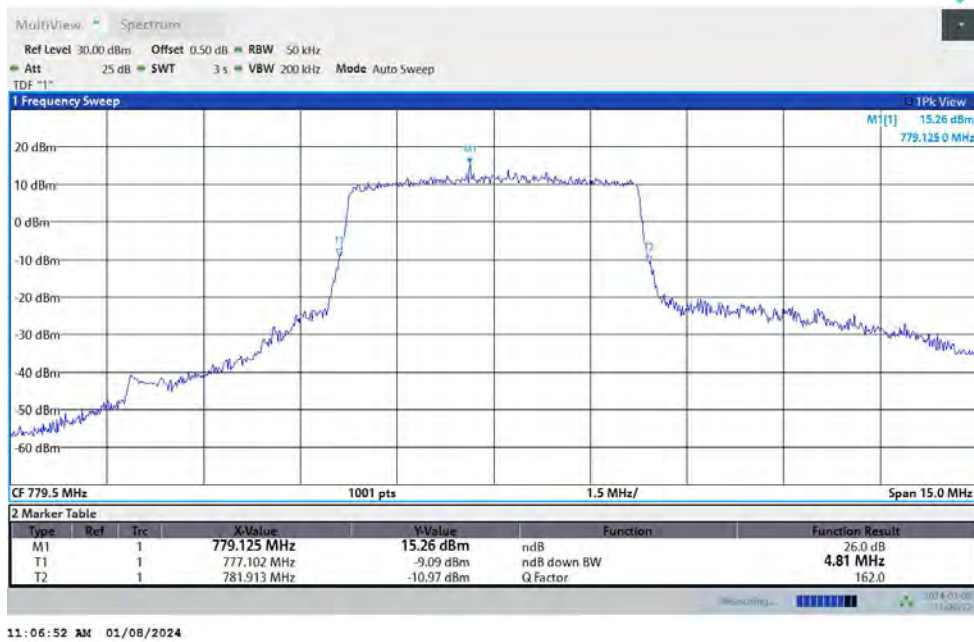


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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

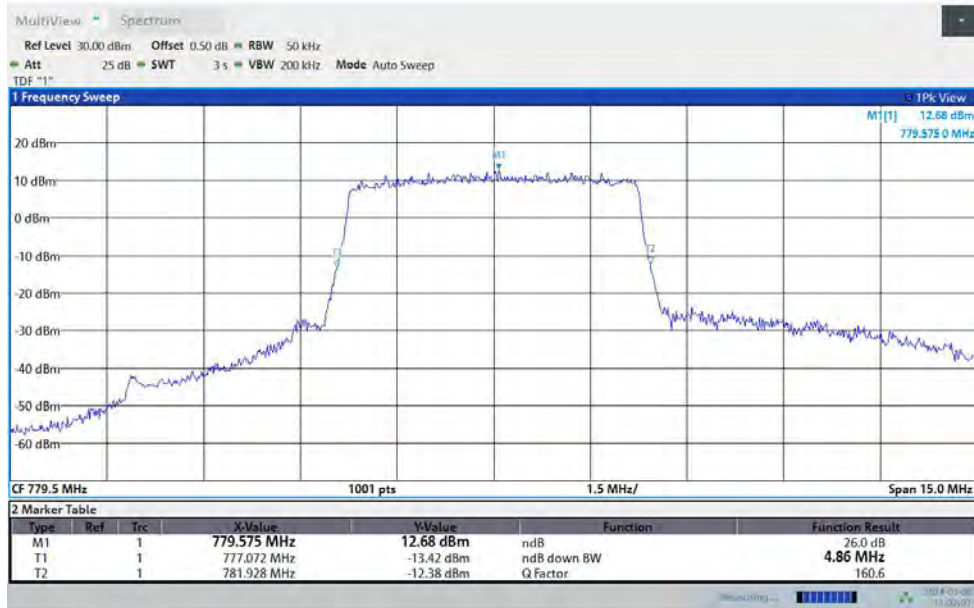


Band13-5MHz-64QAM-23205-25RB#0

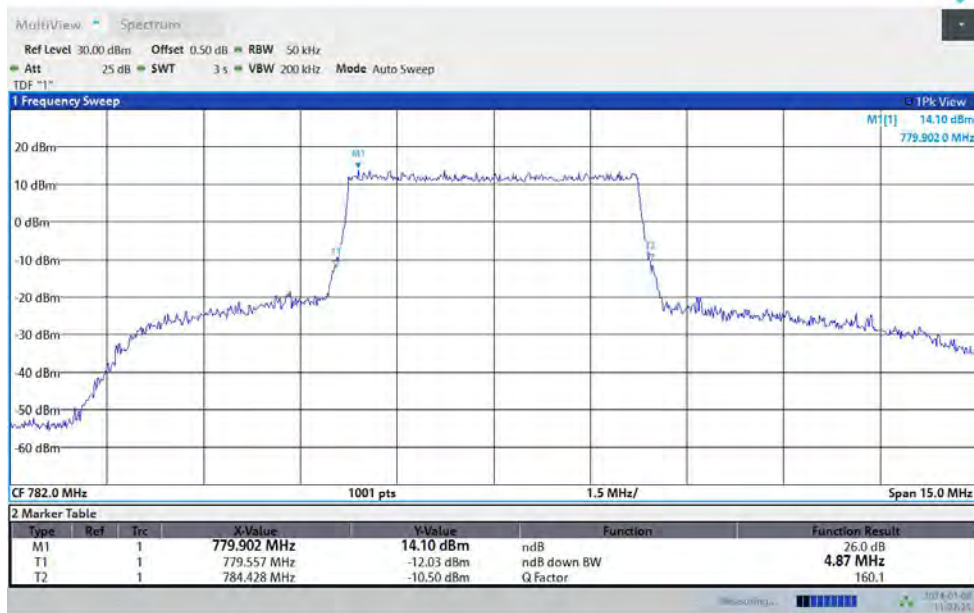


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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



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



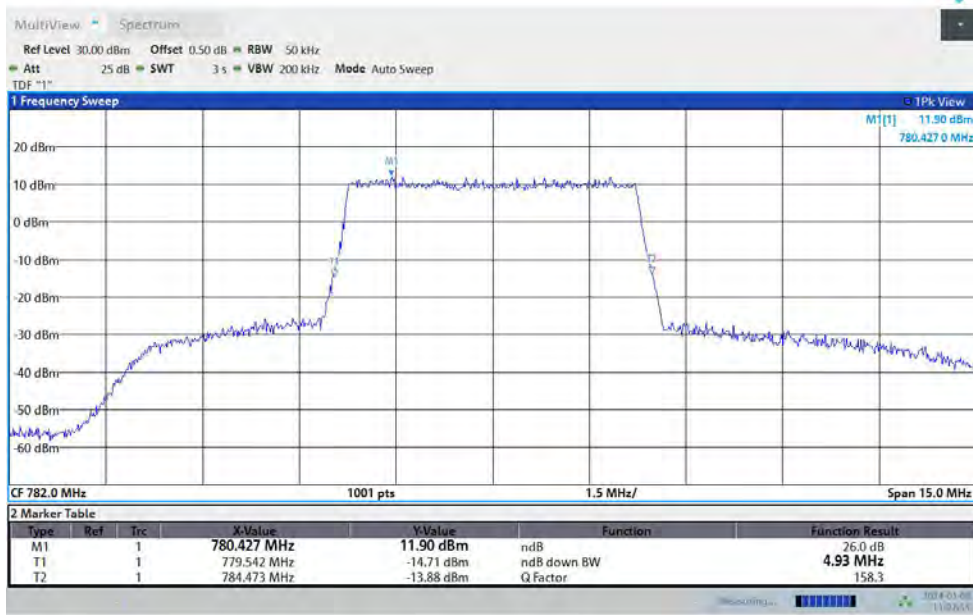
**BUREAU
VERITAS**

Test Report No.: PSU-NQN2402040109RF03



11:07:39 AM 01/08/2024

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



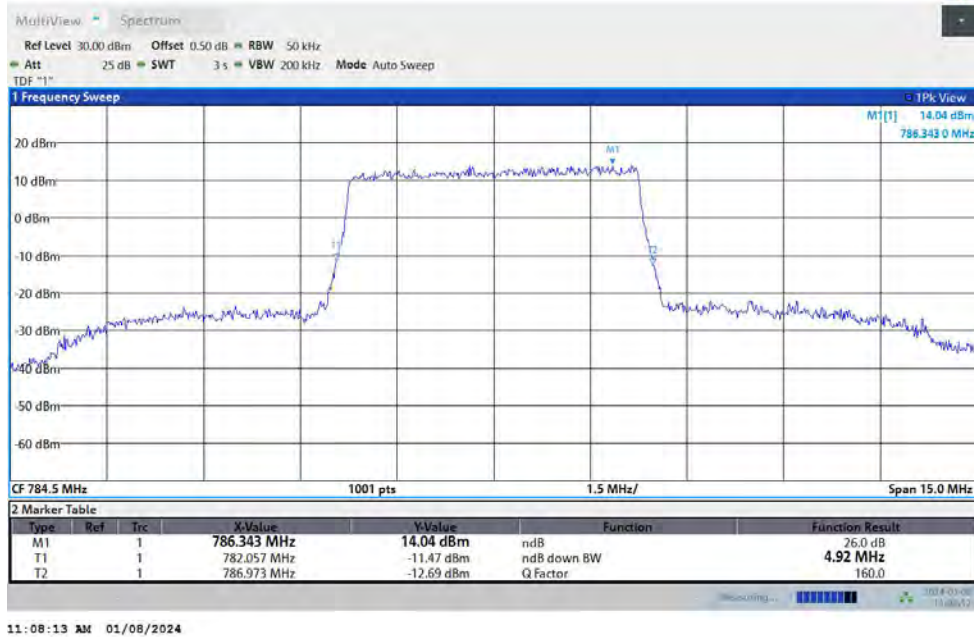
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Band13-5MHz-QPSK-23255-25RB#0

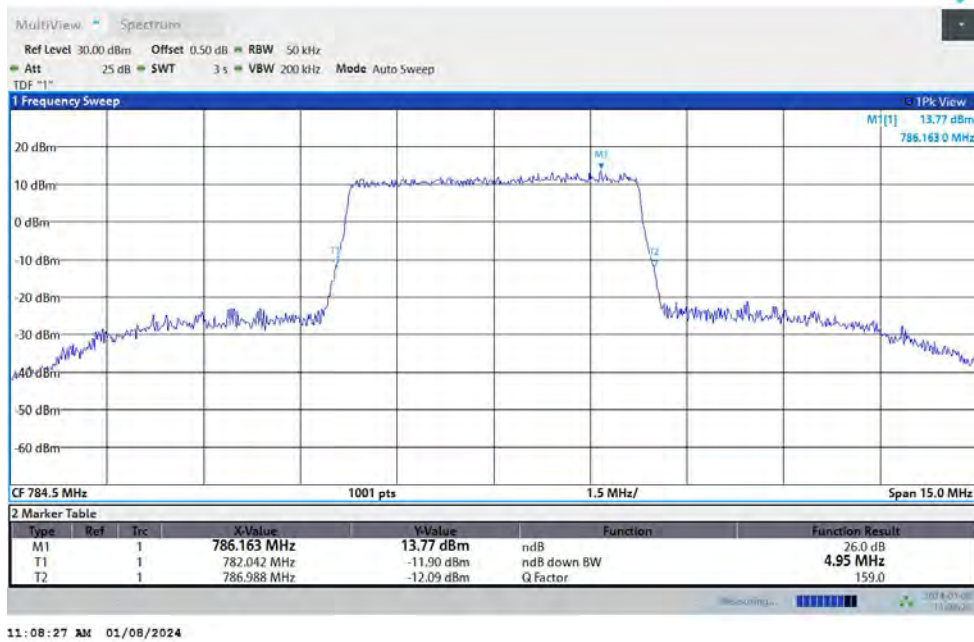


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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

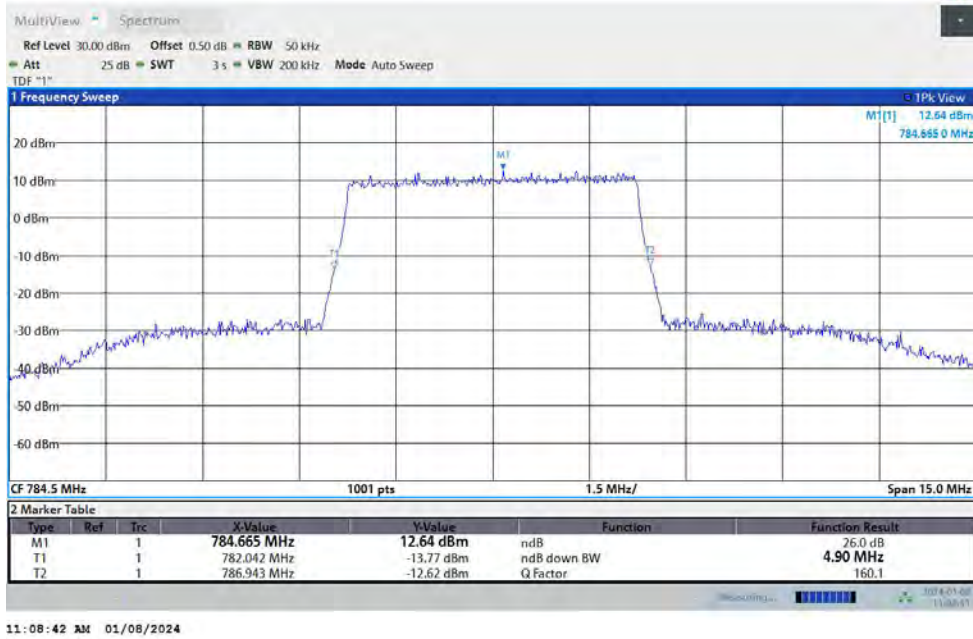


Band13-5MHz-64QAM-23255-25RB#0

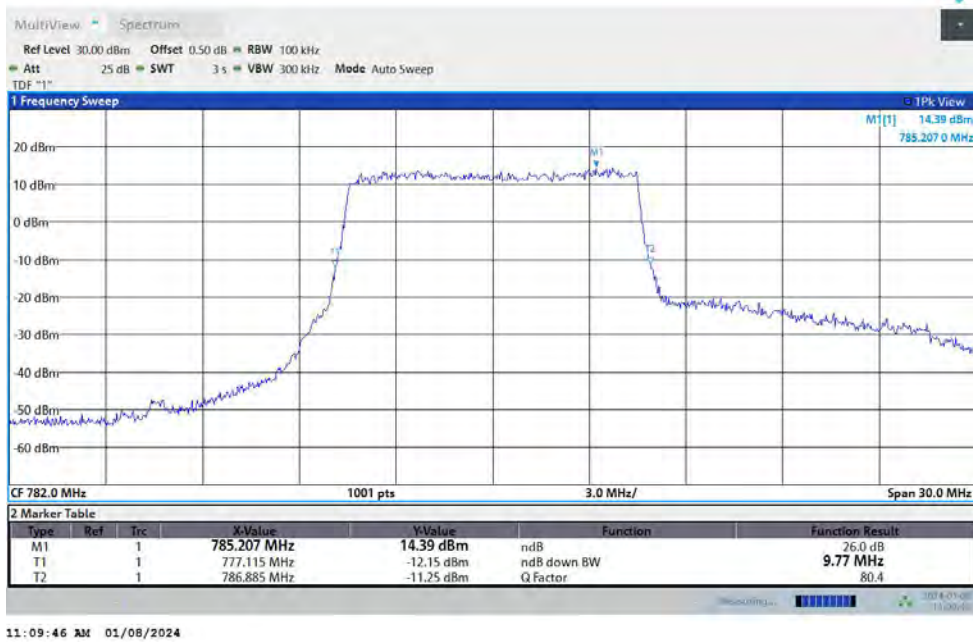


**BUREAU
VERITAS**

Test Report No.: PSU-NQN2402040109RF03



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

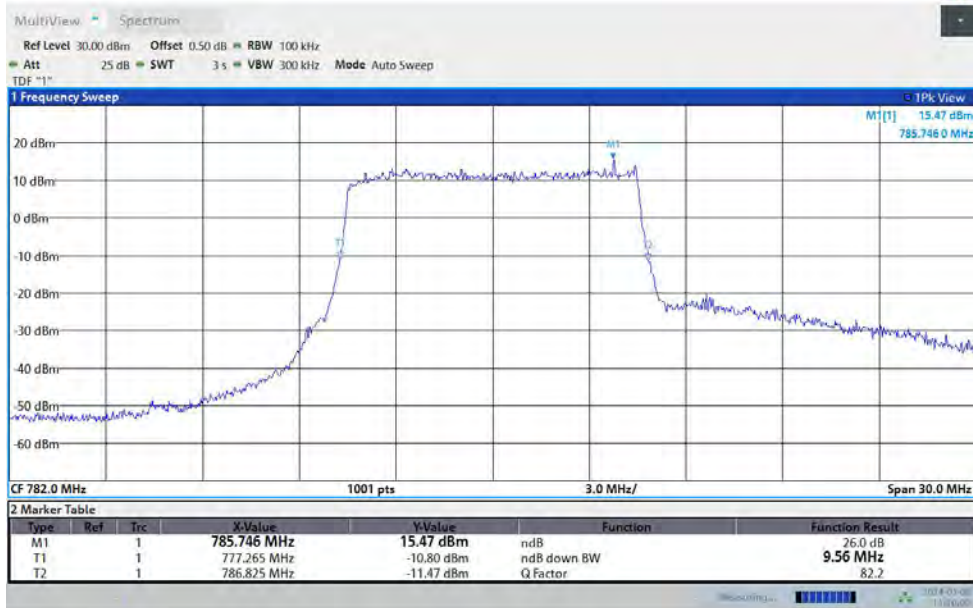


Band13-10MHz-16QAM-23230-50RB#0



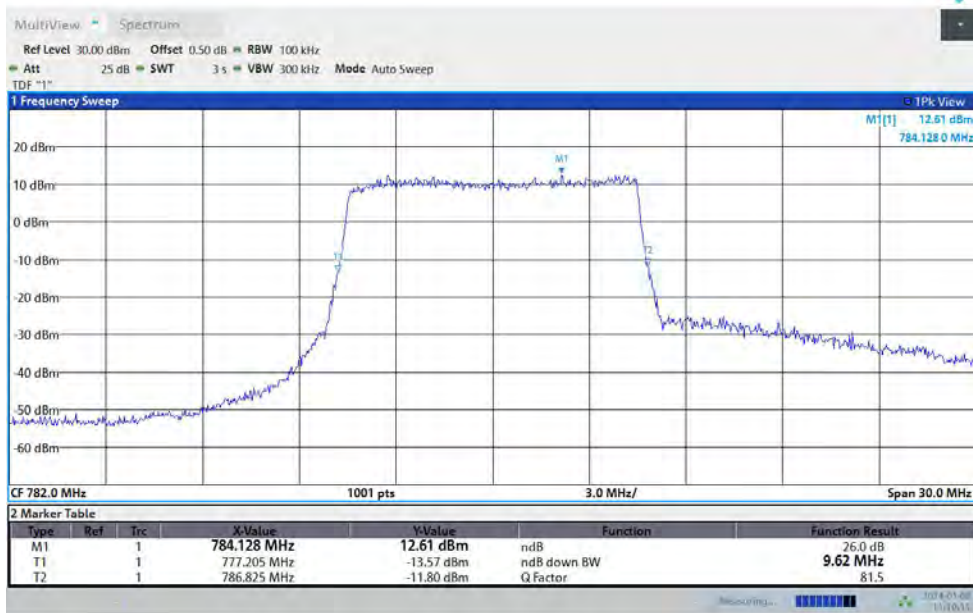
BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



11:10:01 AM 01/08/2024

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



11:10:16 AM 01/08/2024



BAND EDGE

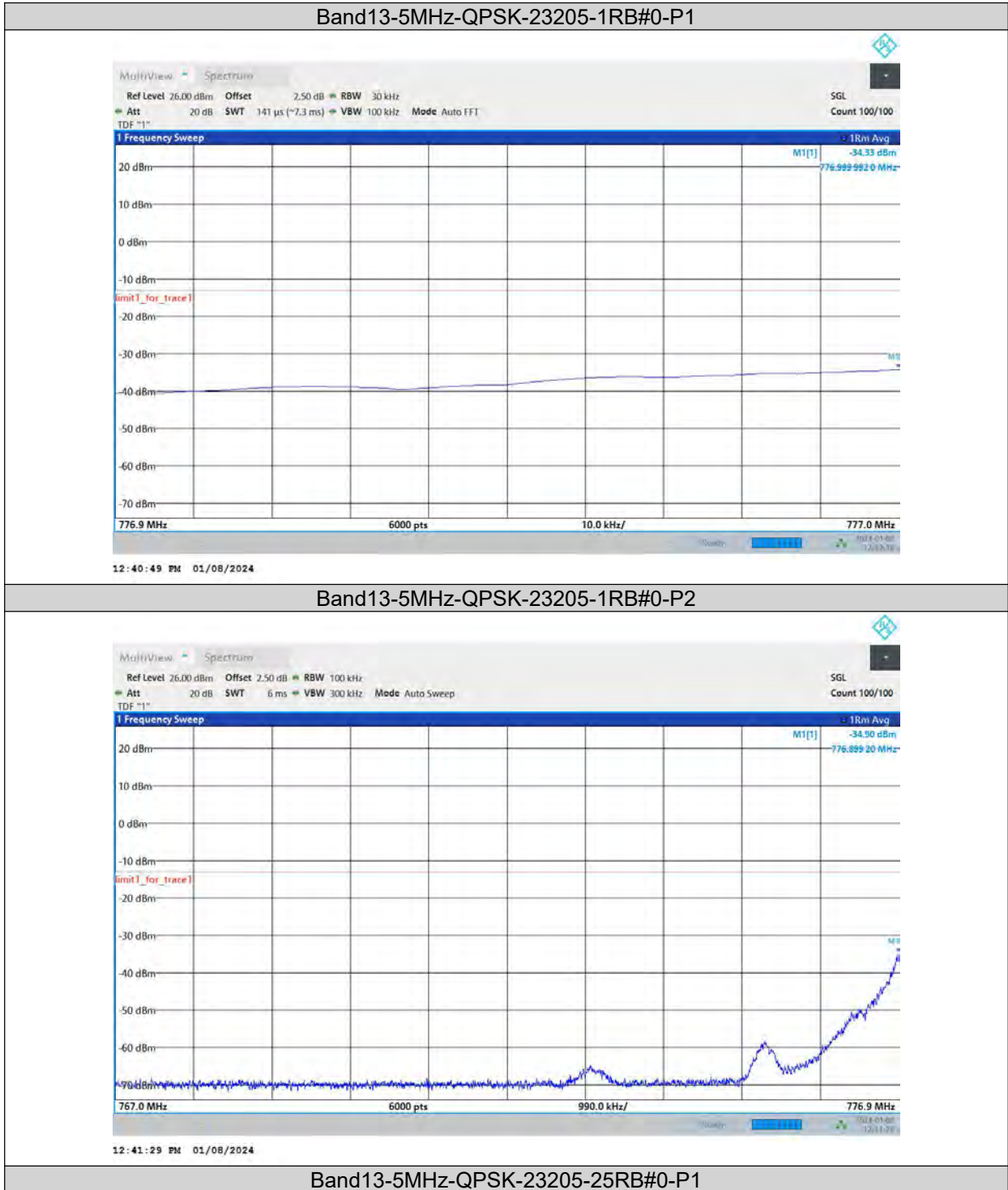
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	See Graph	PASS
Band13	5MHz	QPSK	23205	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	64QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#24	See Graph	PASS
Band13	5MHz	QPSK	23255	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	16QAM	23255	25RB#0	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	64QAM	23255	25RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#49	See Graph	PASS
Band13	10MHz	QPSK	23230	50RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#49	See Graph	PASS
Band13	10MHz	16QAM	23230	50RB#0	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#49	See Graph	PASS
Band13	10MHz	64QAM	23230	50RB#0	See Graph	PASS



Test Report No.: PSU-NQN2402040109RF03

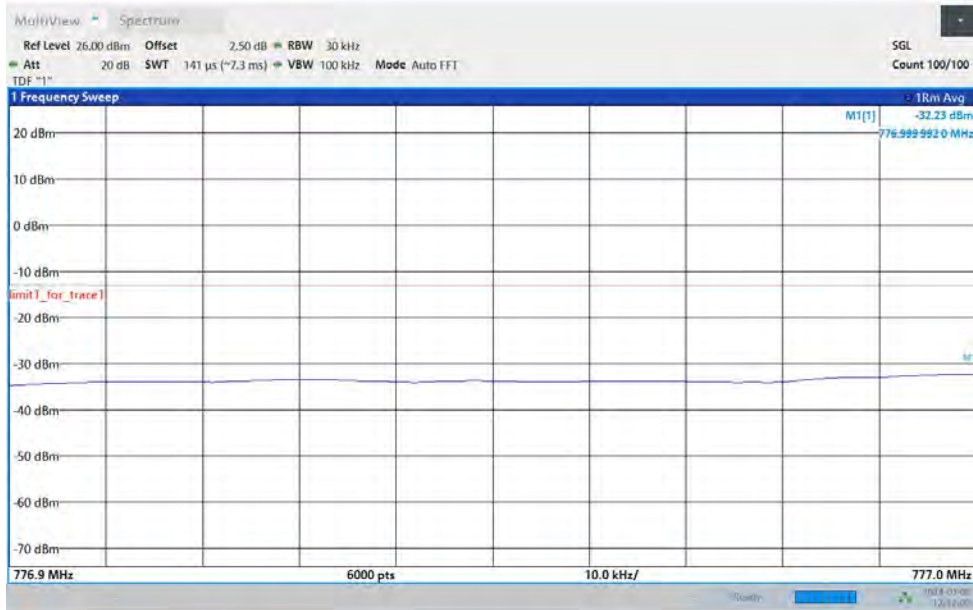
Test Graphs





BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-QPSK-23205-25RB#0-P2

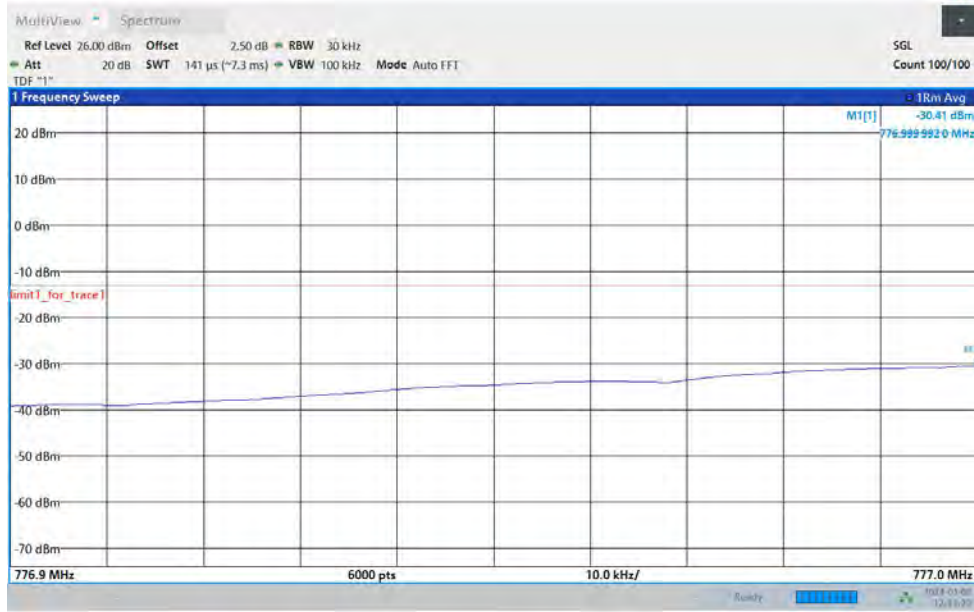


Band13-5MHz-16QAM-23205-1RB#0-P1

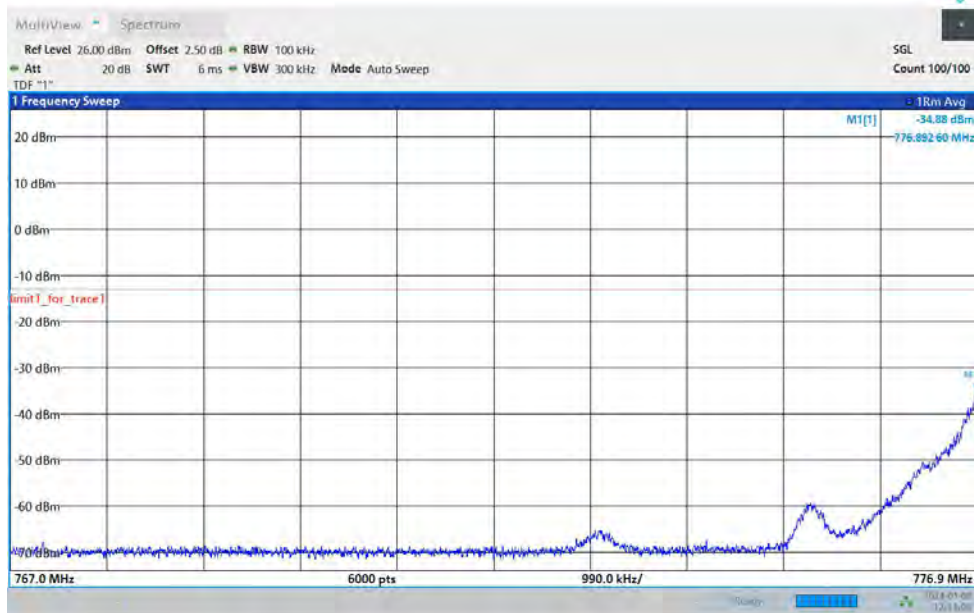


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VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23205-1RB#0-P2

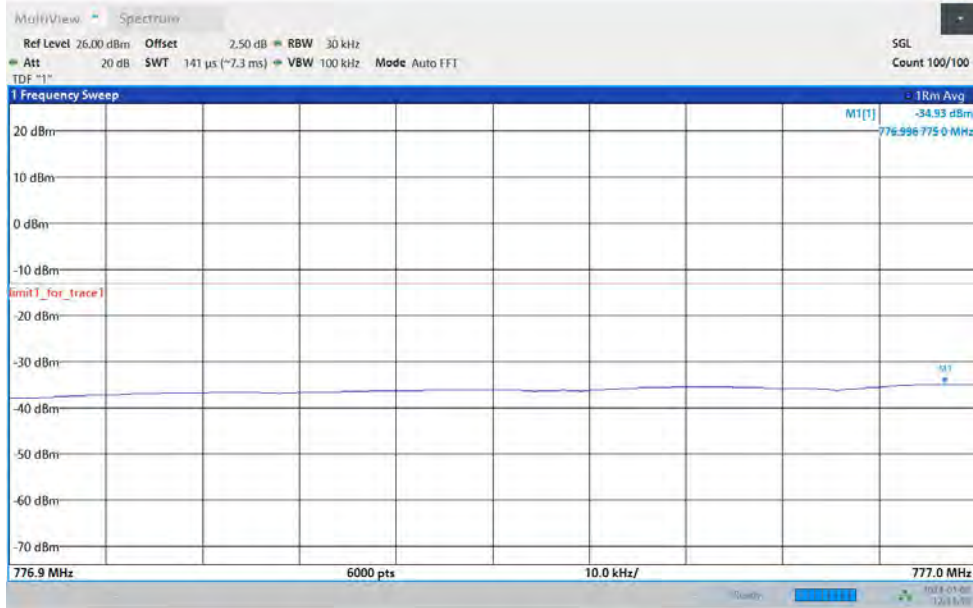


Band13-5MHz-16QAM-23205-25RB#0-P1

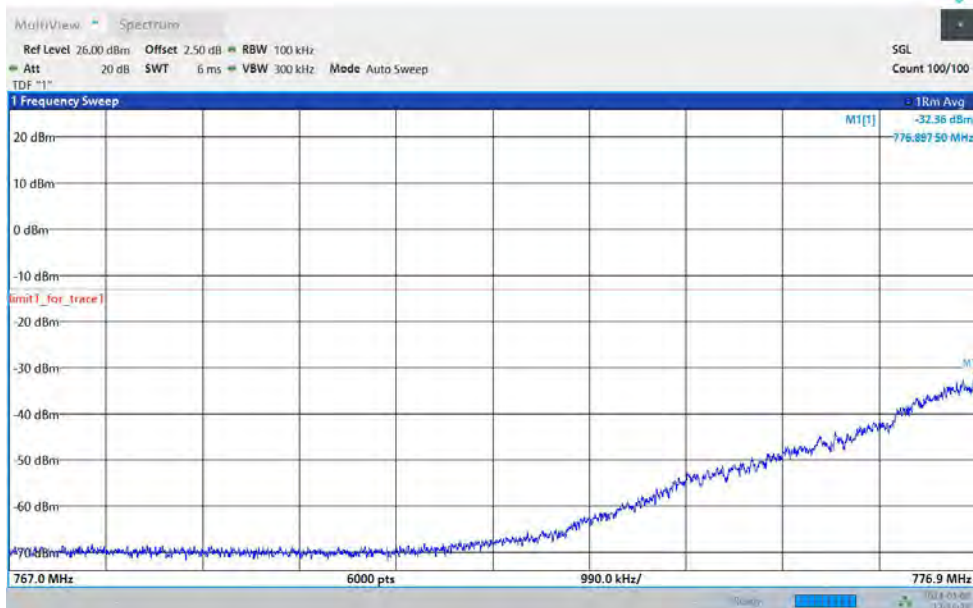


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23205-25RB#0-P2

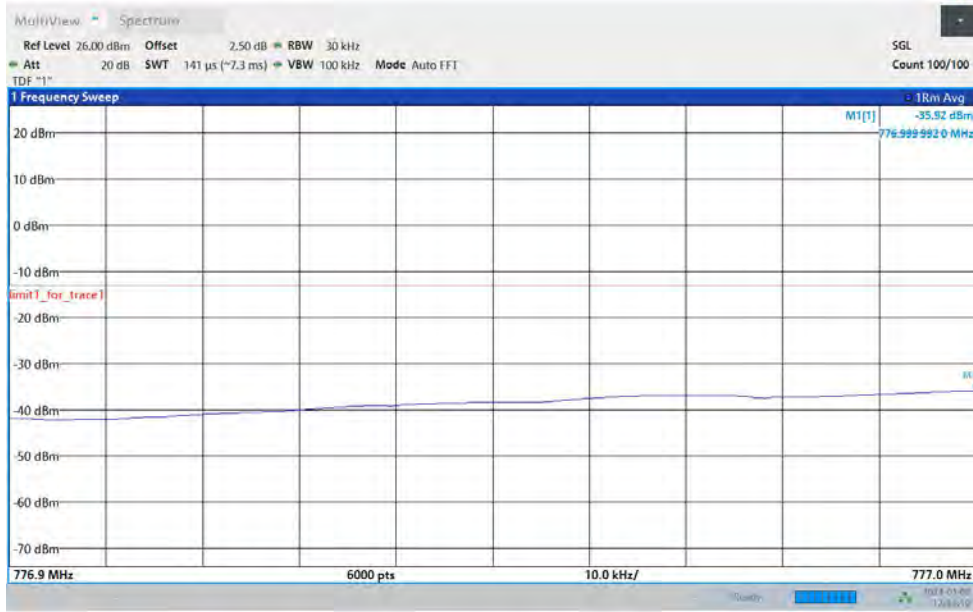


Band13-5MHz-64QAM-23205-1RB#0-P1



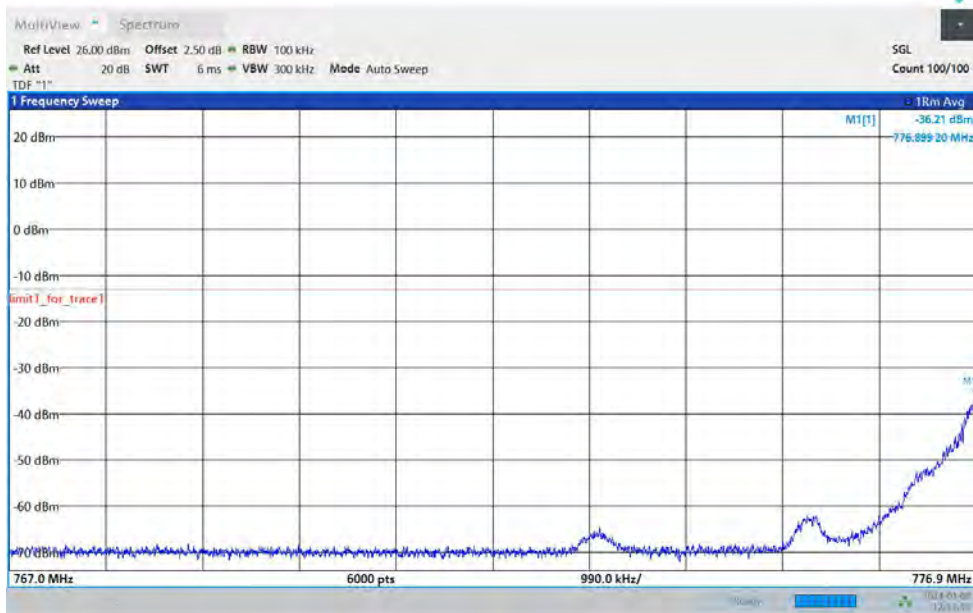
BUREAU
VERITAS

Test Report No.: PSU-NQN2402040109RF03



12:46:10 PM 01/08/2024

Band13-5MHz-64QAM-23205-1RB#0-P2



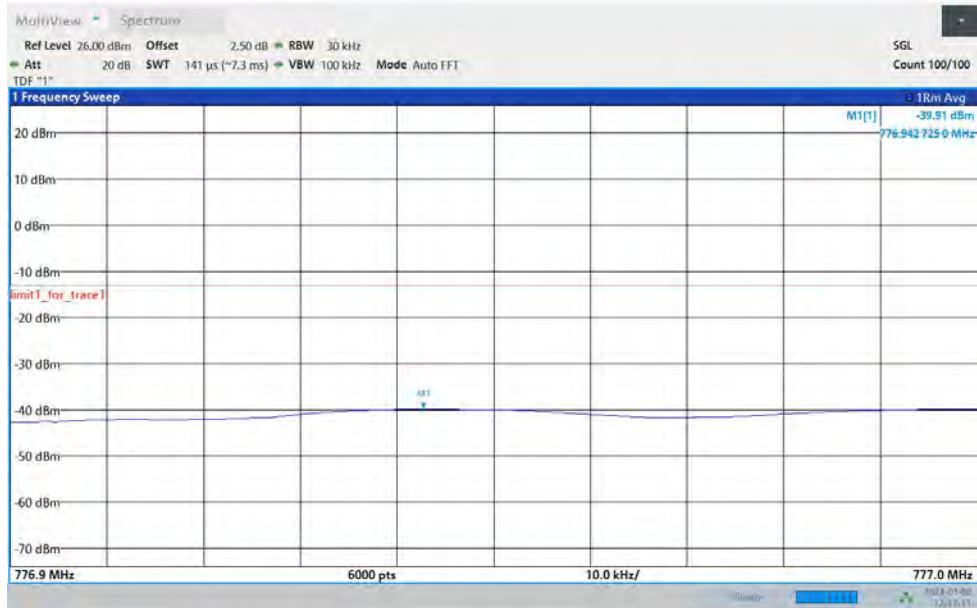
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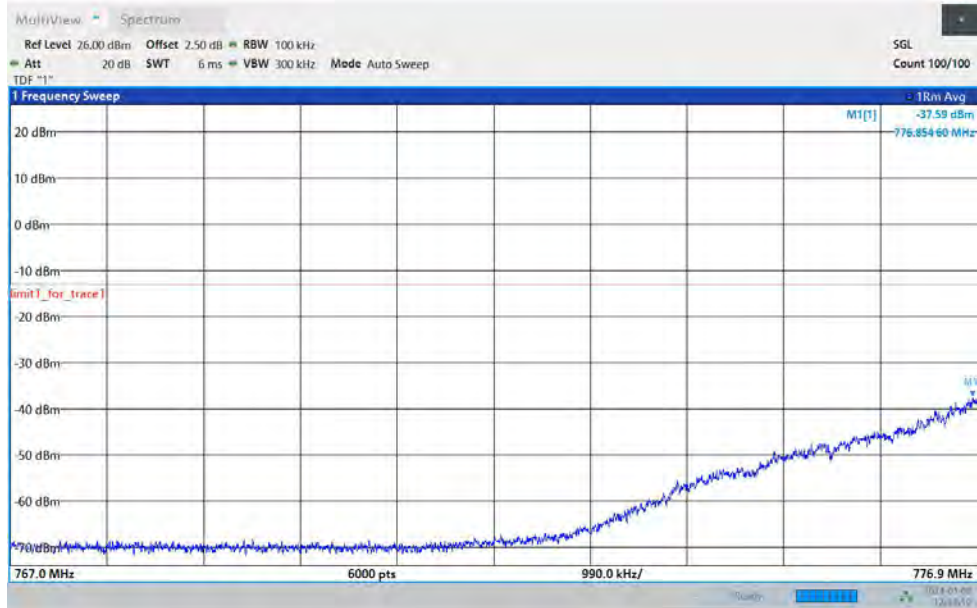


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23205-25RB#0-P2

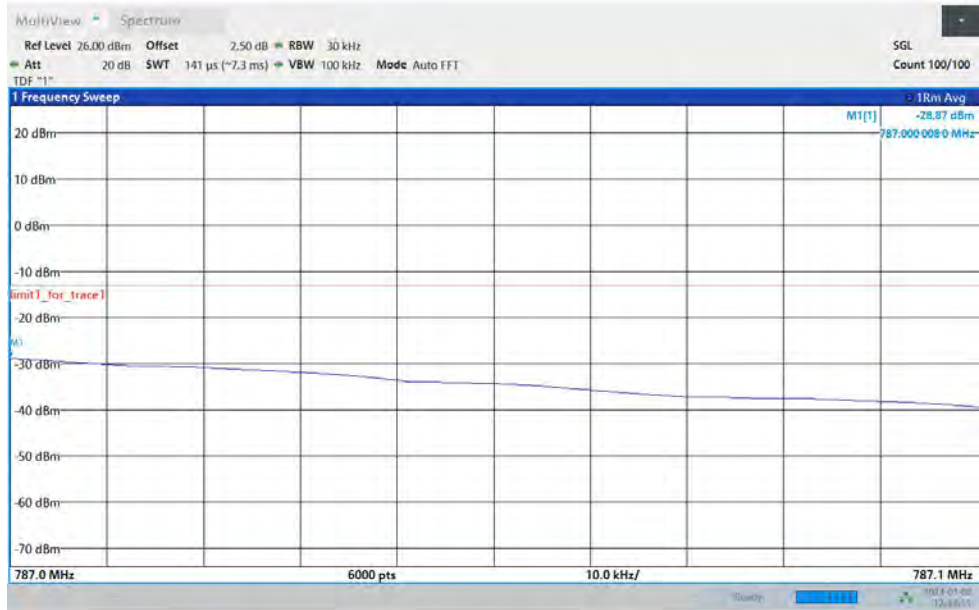


Band13-5MHz-QPSK-23255-1RB#24-P1

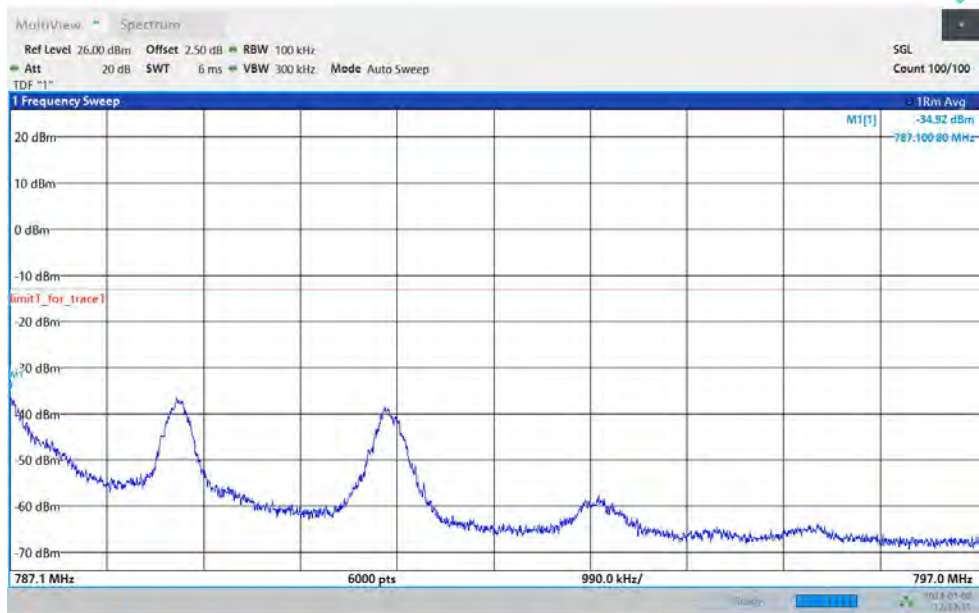


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-QPSK-23255-1RB#24-P2

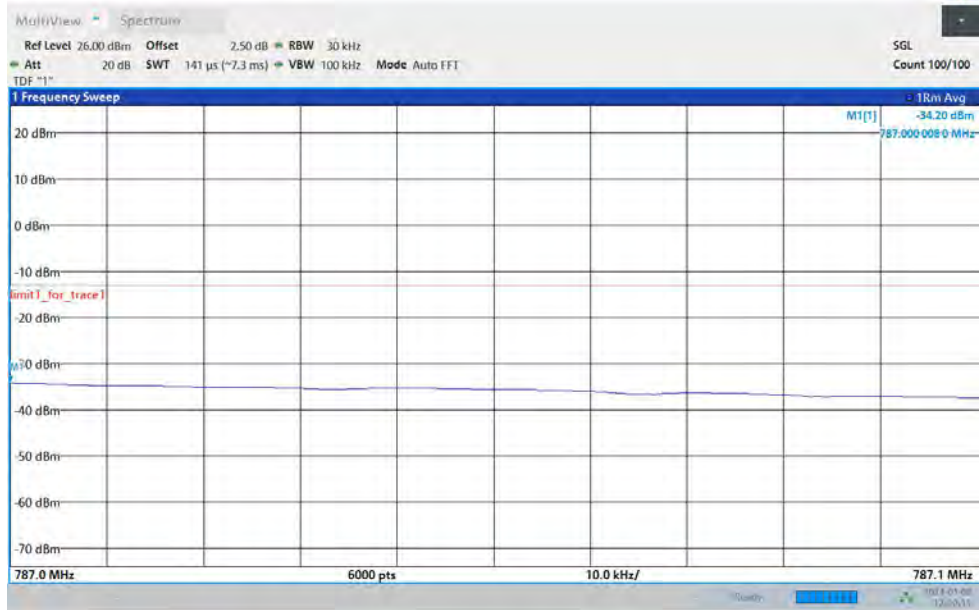


Band13-5MHz-QPSK-23255-25RB#0-P1

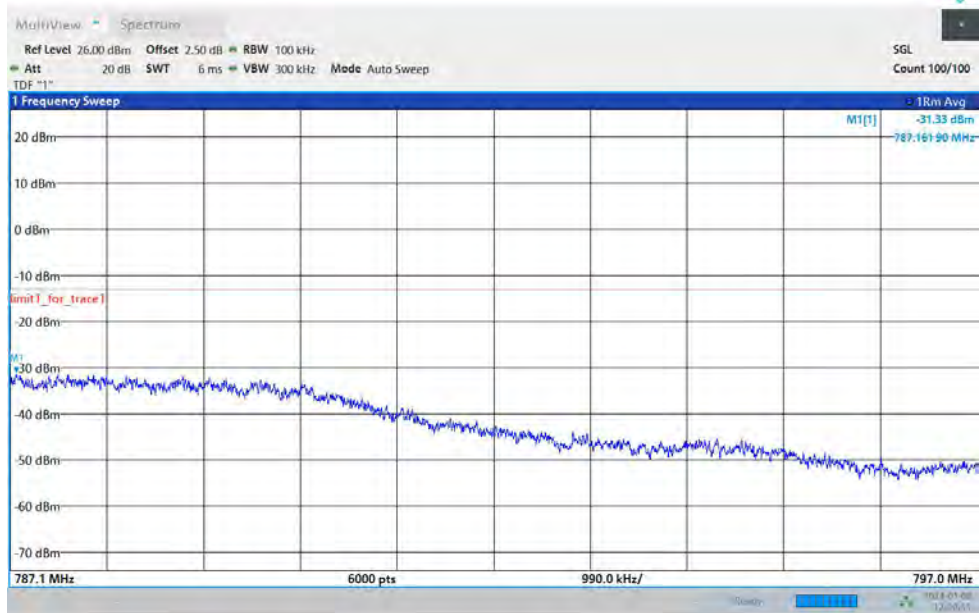


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-QPSK-23255-25RB#0-P2

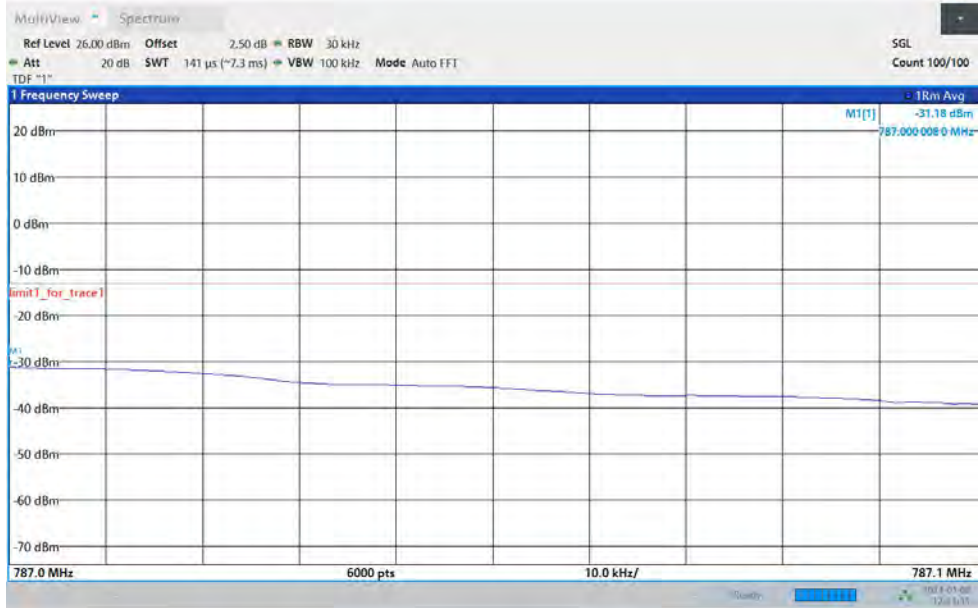


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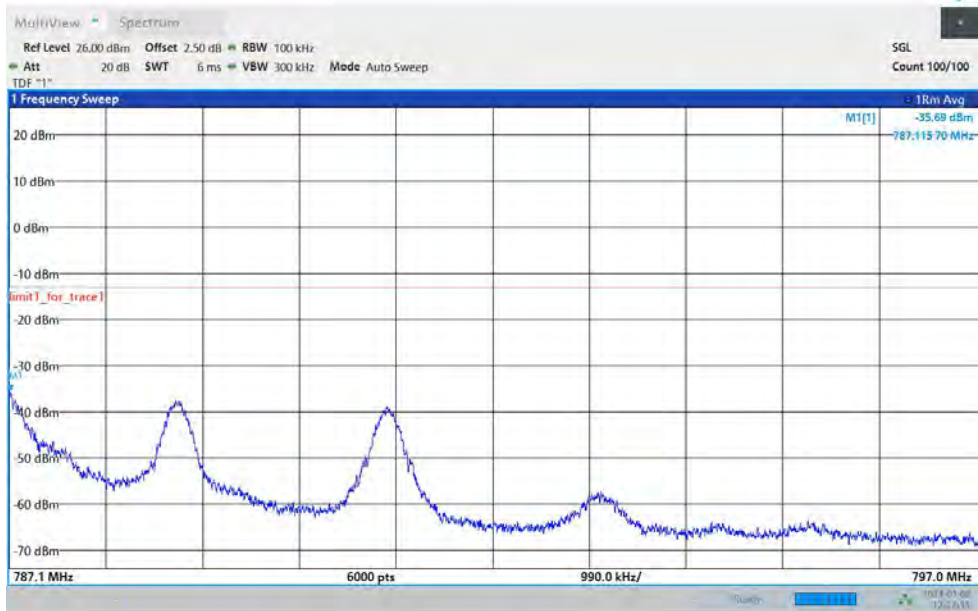


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23255-1RB#24-P2

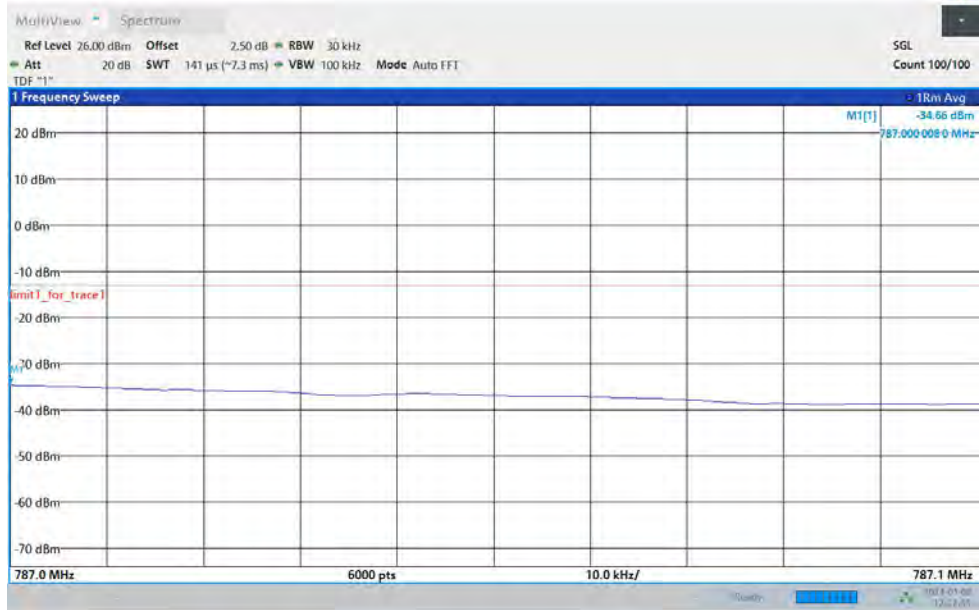


Band13-5MHz-16QAM-23255-25RB#0-P1

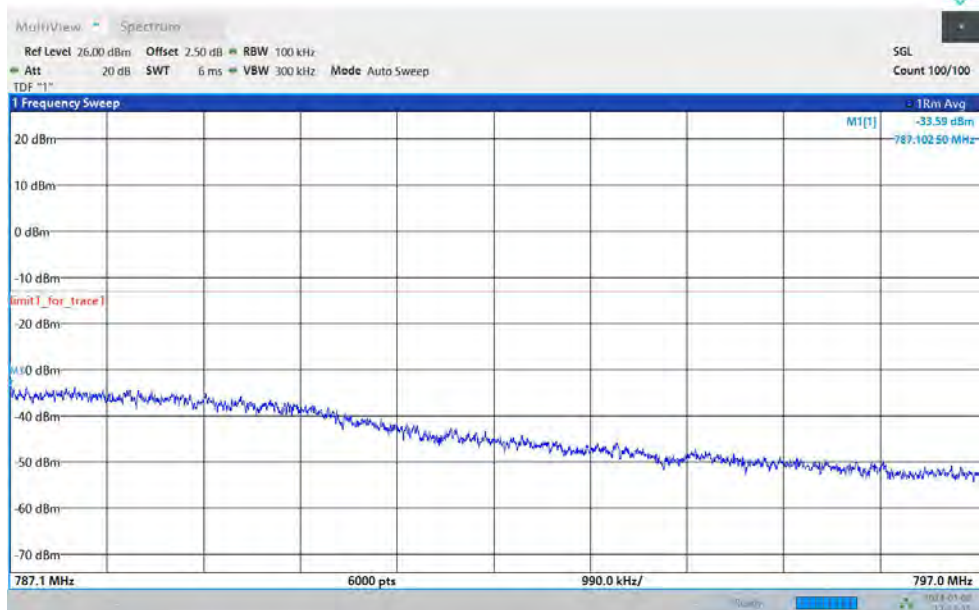


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23255-25RB#0-P2

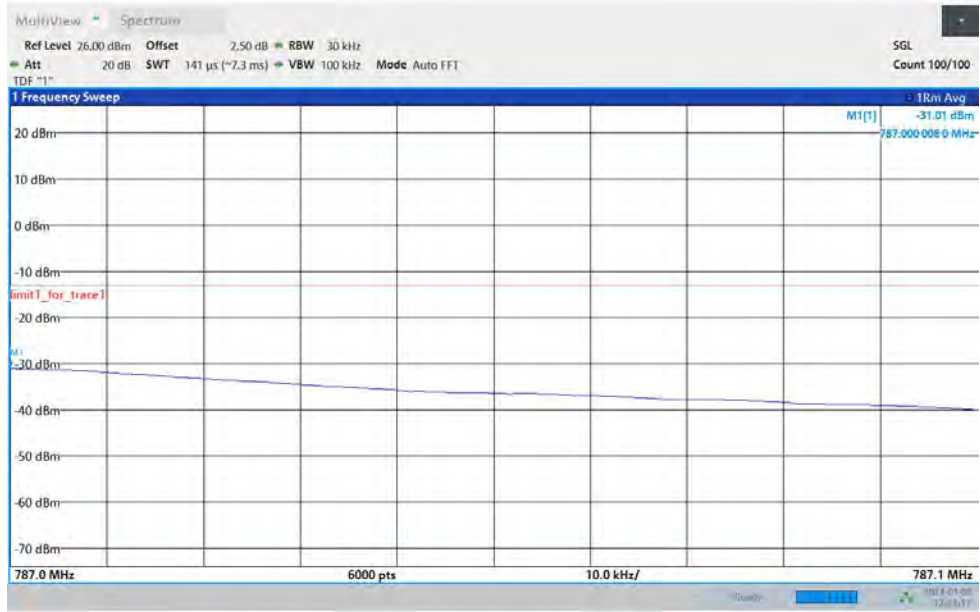


Band13-5MHz-64QAM-23255-1RB#24-P1

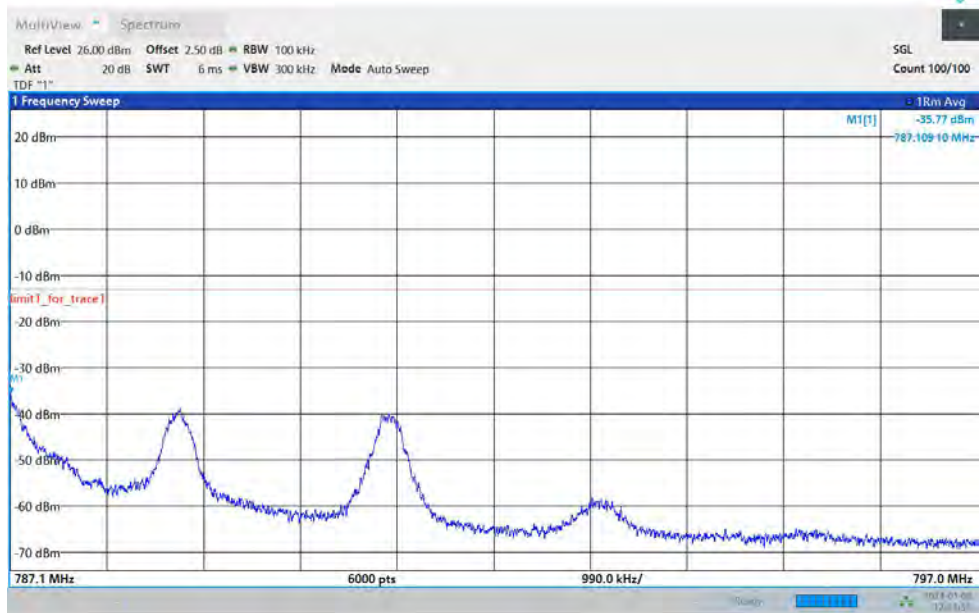


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23255-1RB#24-P2

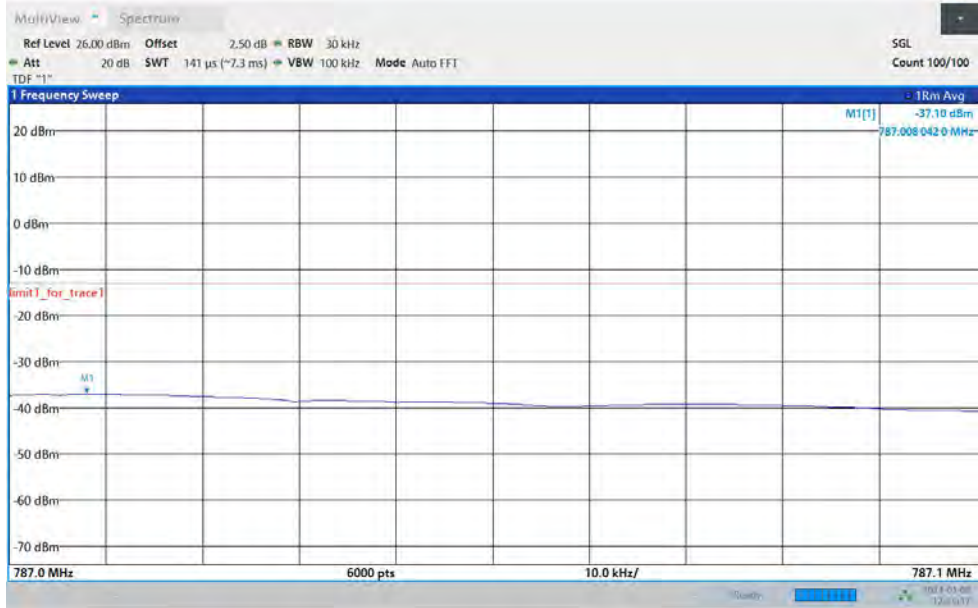


Band13-5MHz-64QAM-23255-25RB#0-P1

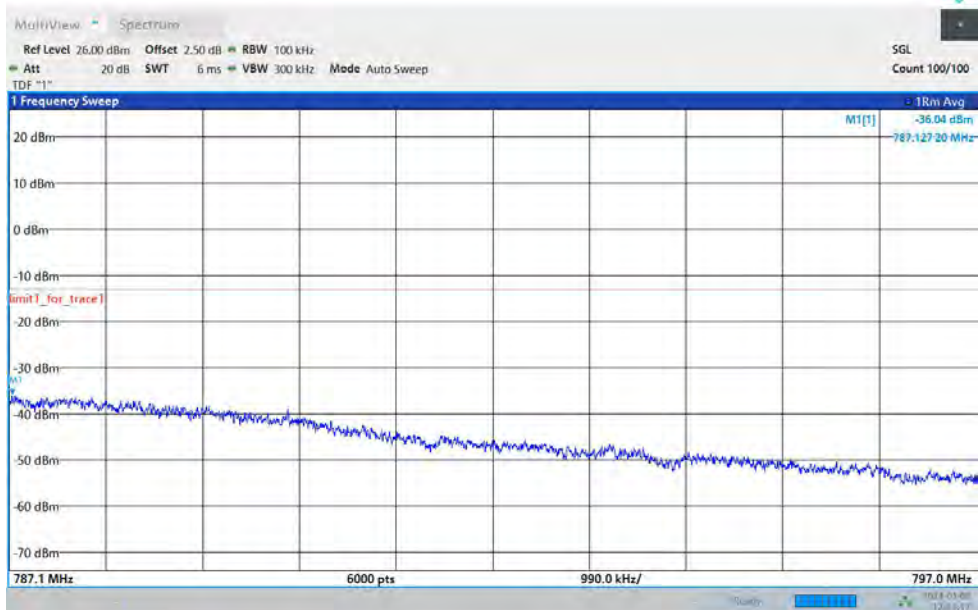


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23255-25RB#0-P2

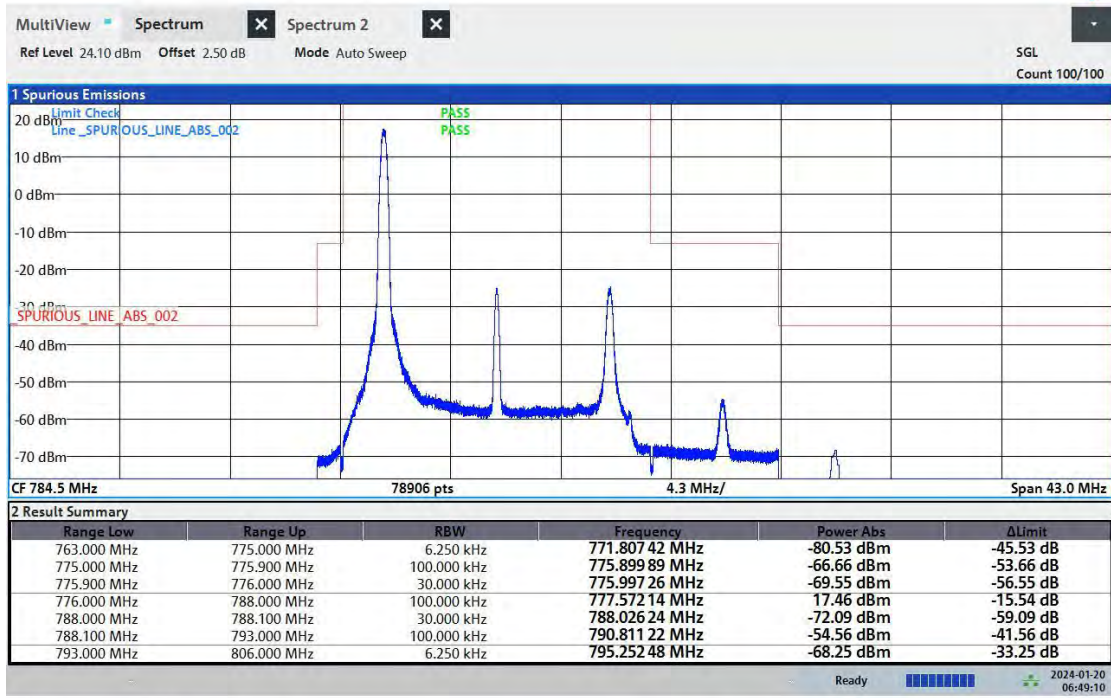


Band13-10MHz-QPSK-23230-1RB#0



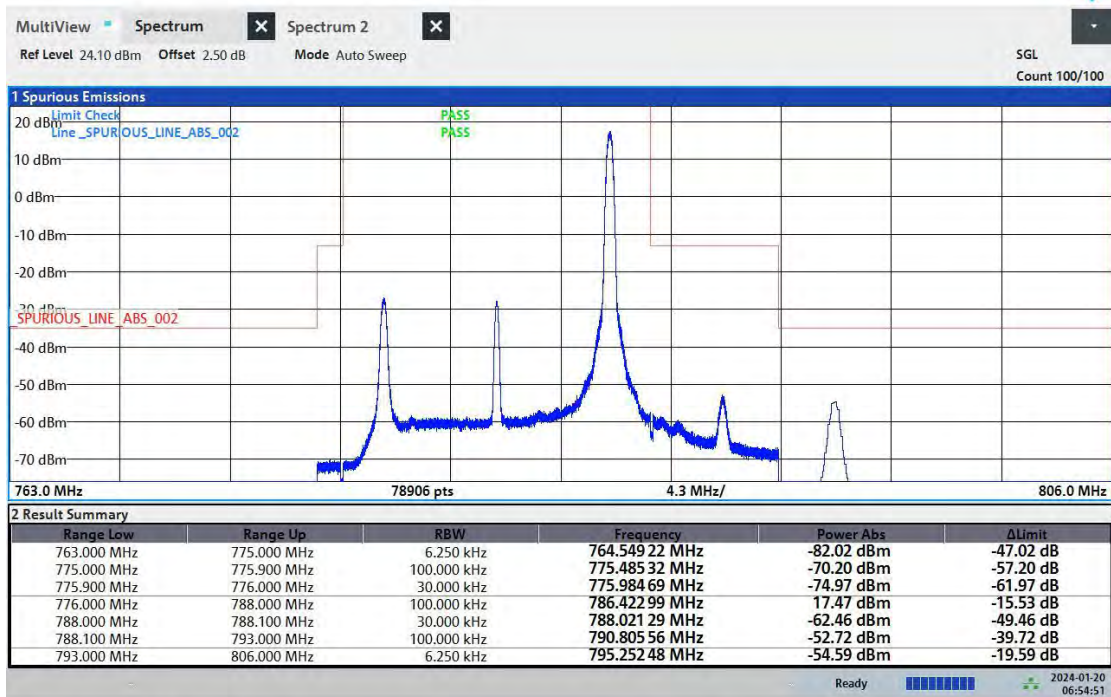
BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



06:49:11 AM 01/20/2024

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



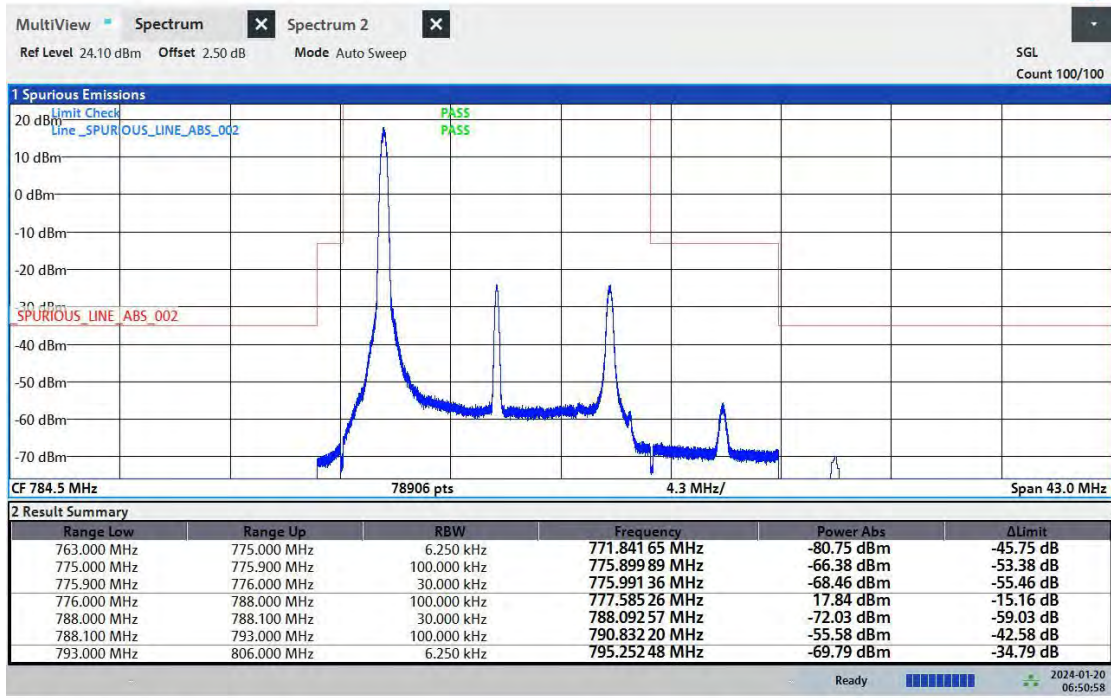
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Band13-10MHz-QPSK-23230-50RB#0



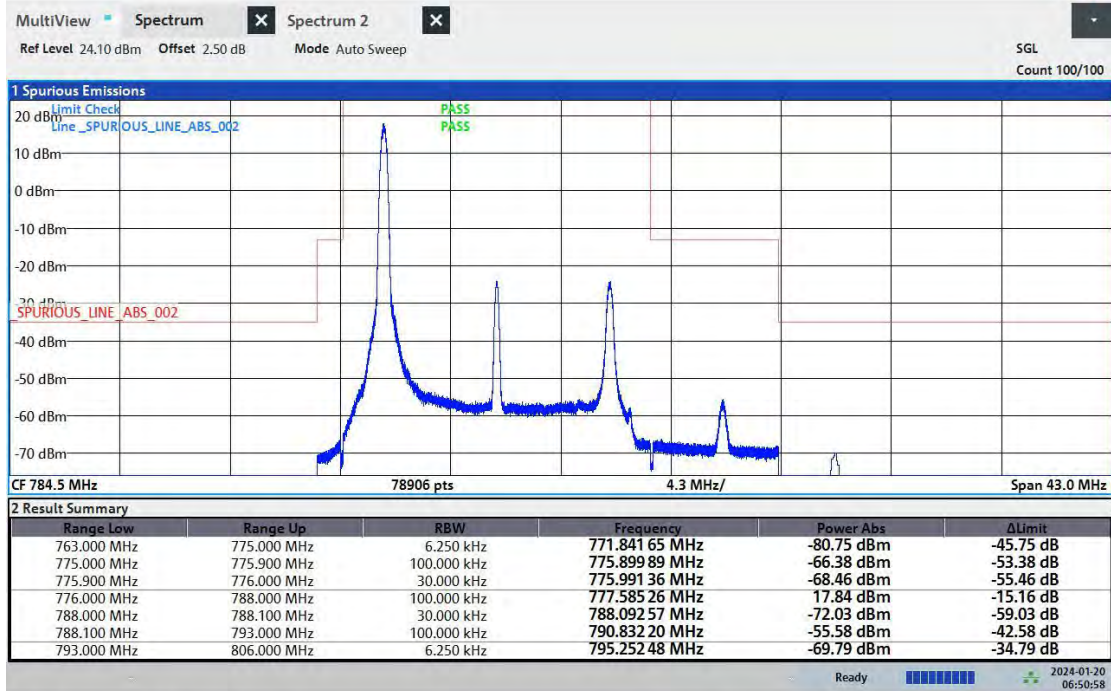
**BUREAU
VERITAS**

Test Report No.: PSU-NQN2402040109RF03



06:50:58 AM 01/20/2024

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



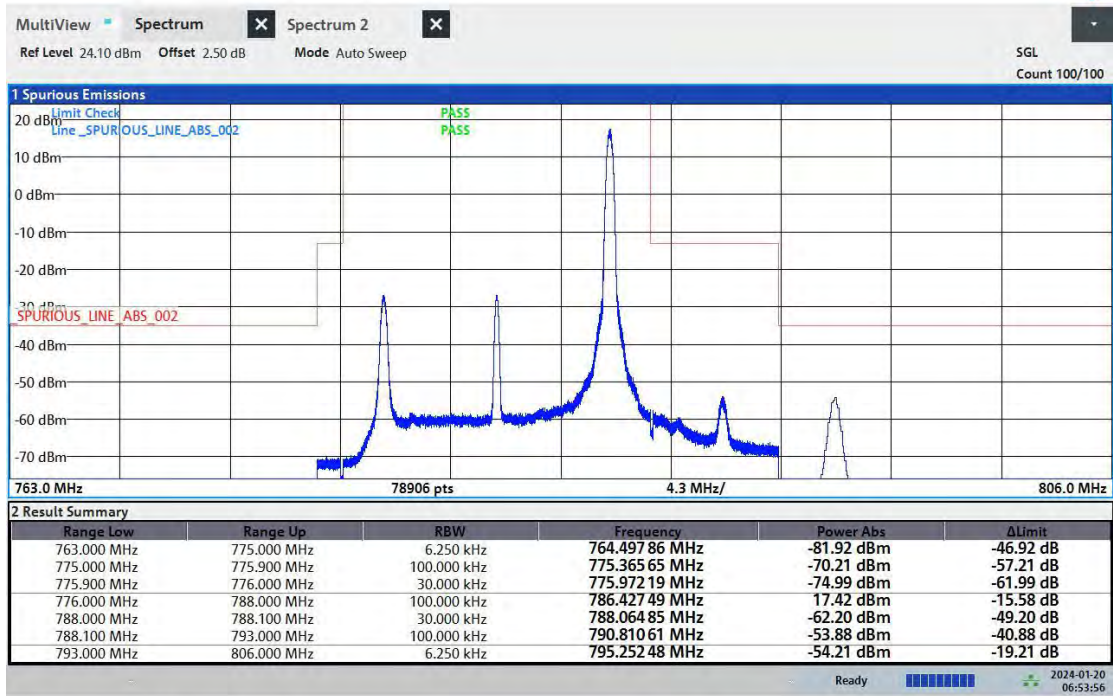
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Band13-10MHz-16QAM-23230-1RB#49



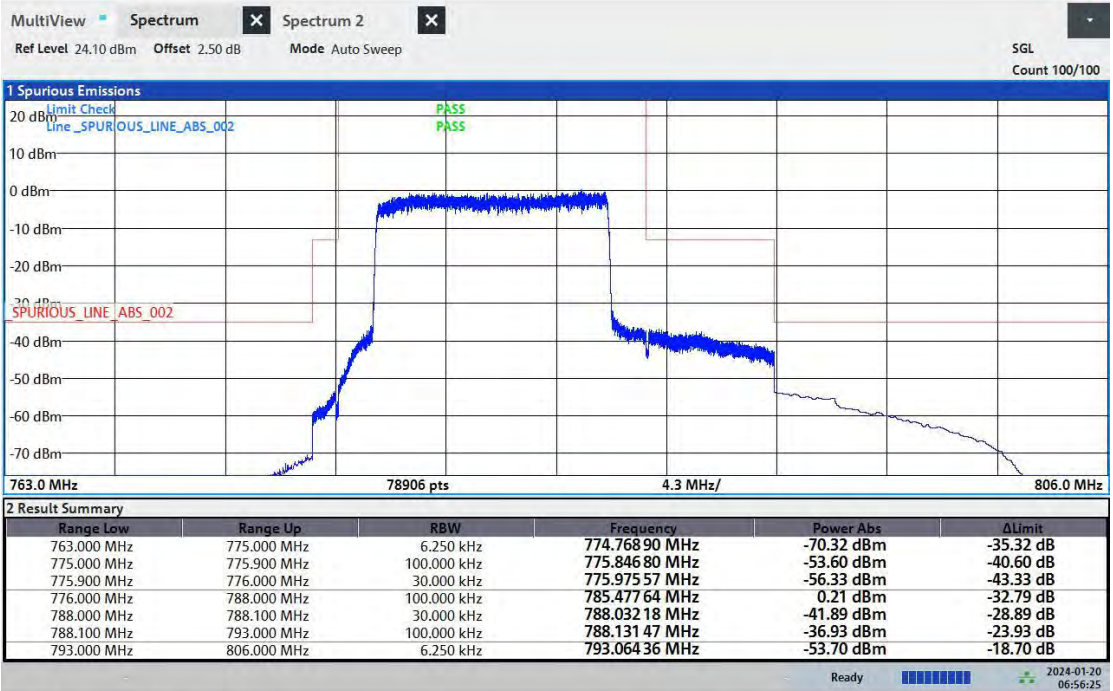
BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



06:53:56 AM 01/20/2024

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



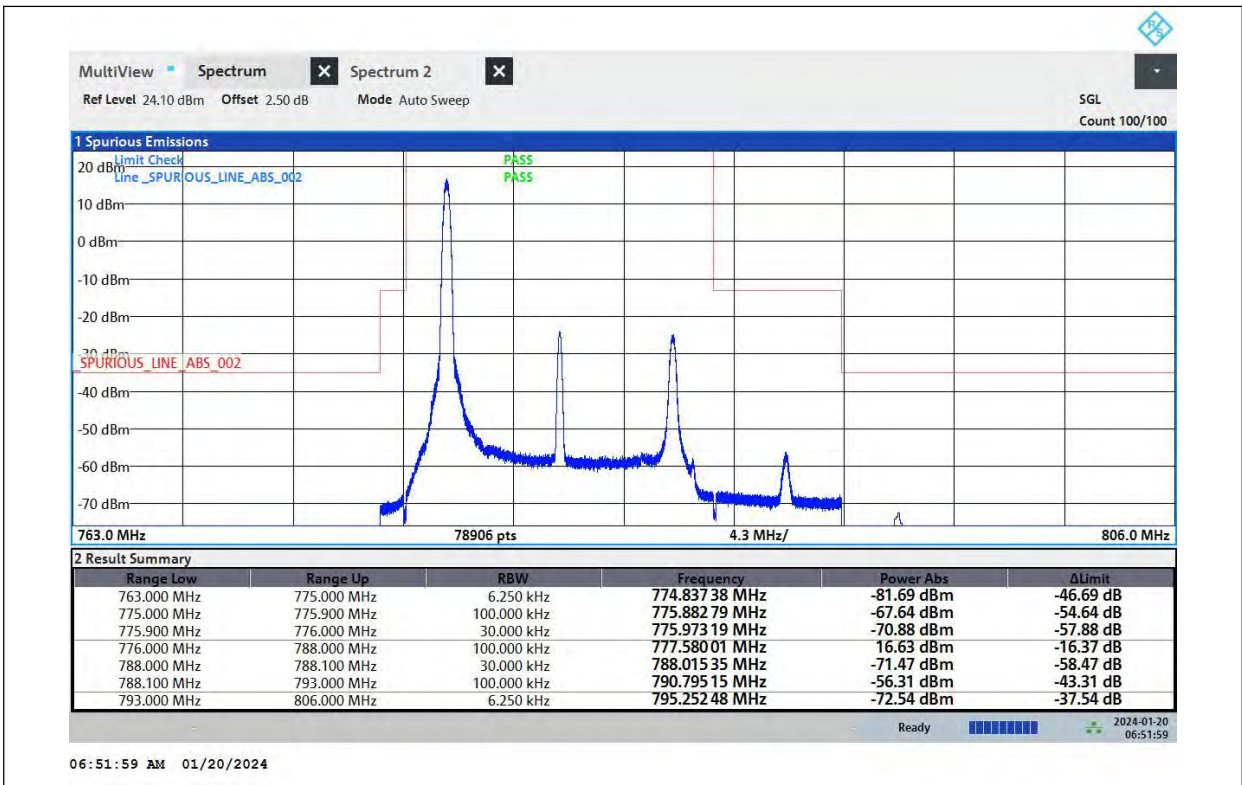
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Band13-10MHz-64QAM-23230-1RB#0

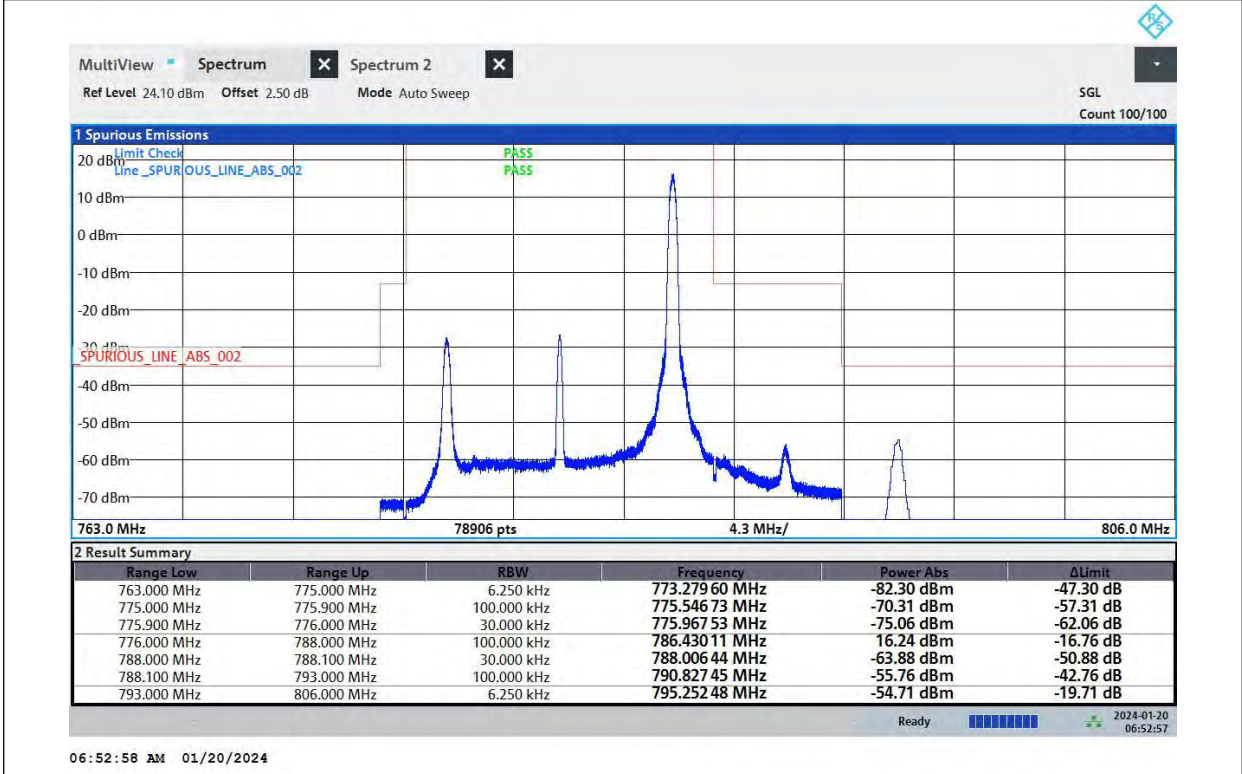


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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

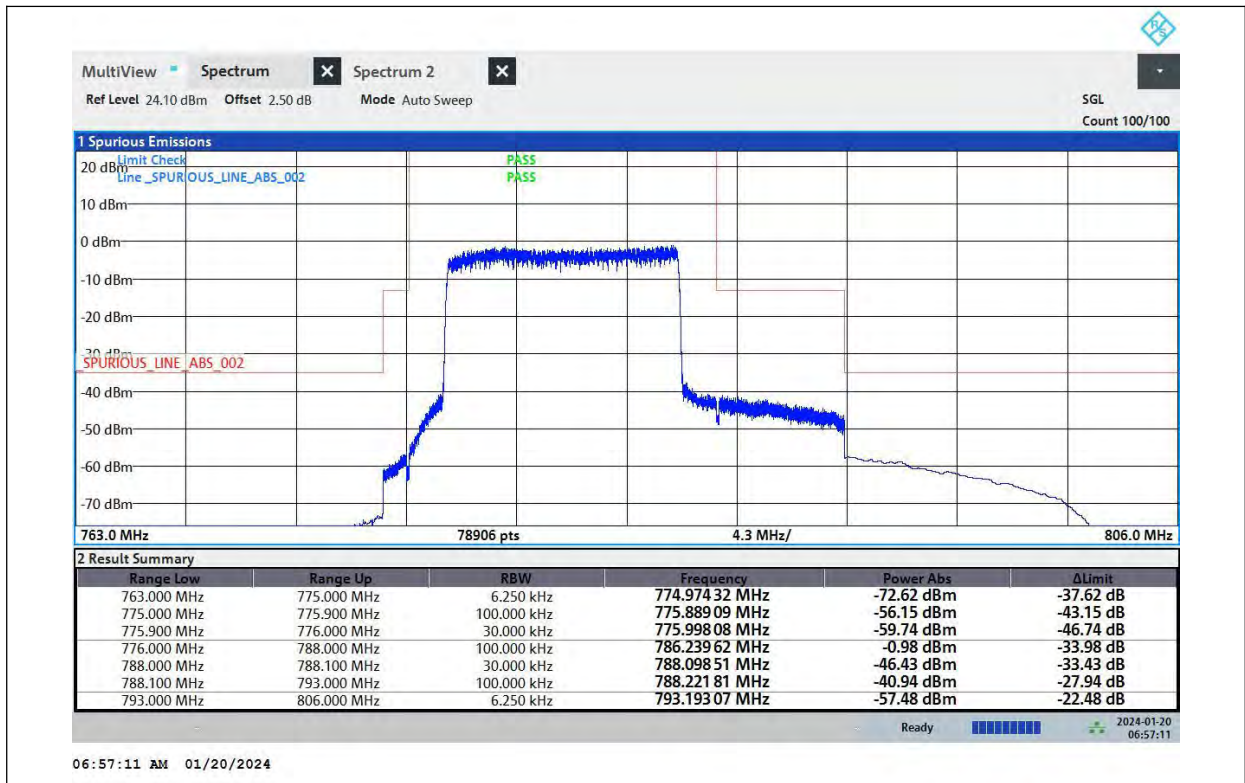


Band13-10MHz-64QAM-23230-50RB#0



**BUREAU
VERITAS**

Test Report No.: PSU-NQN2402040109RF03





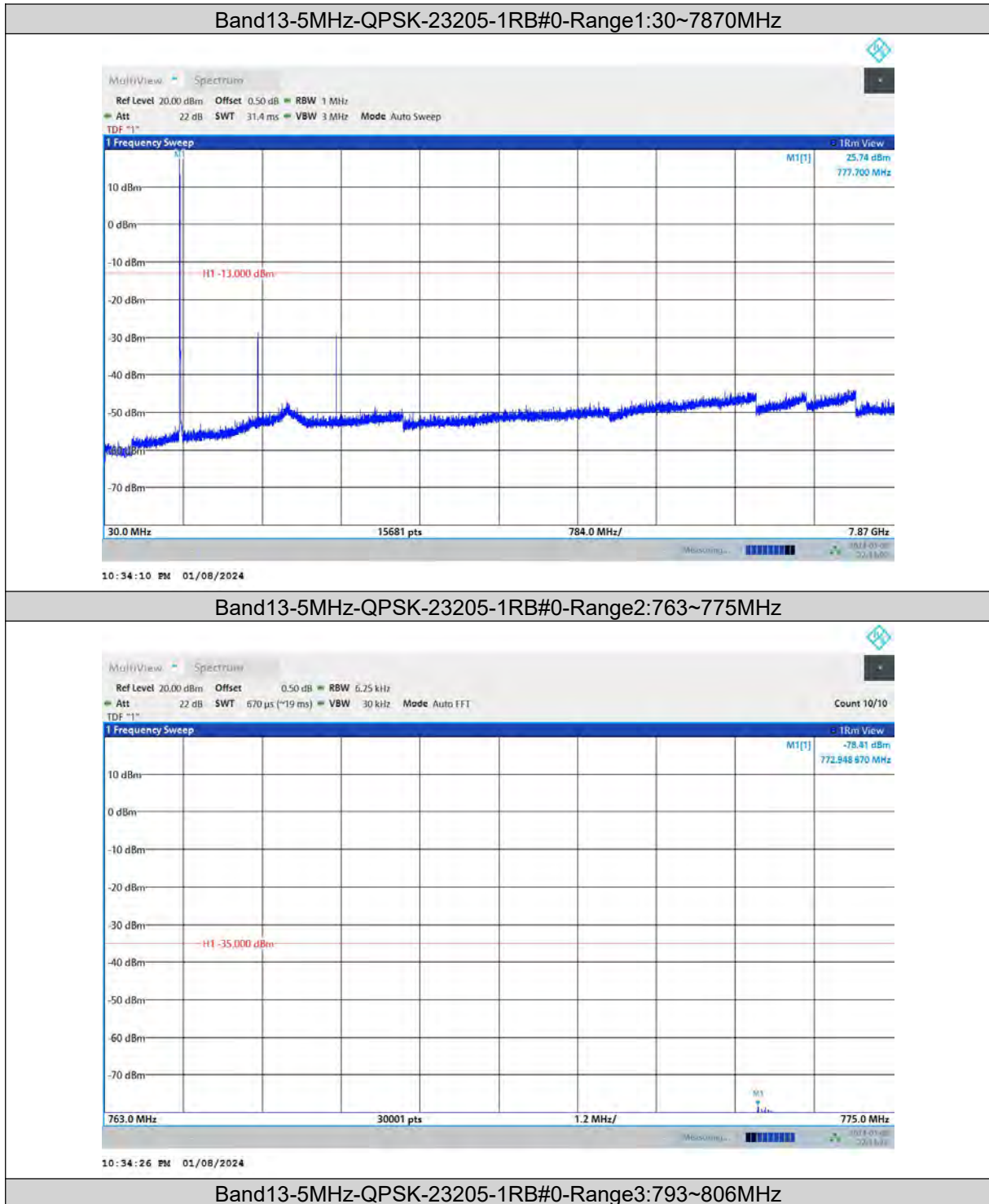
Test Report No.: PSU-NQN2402040109RF03

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS

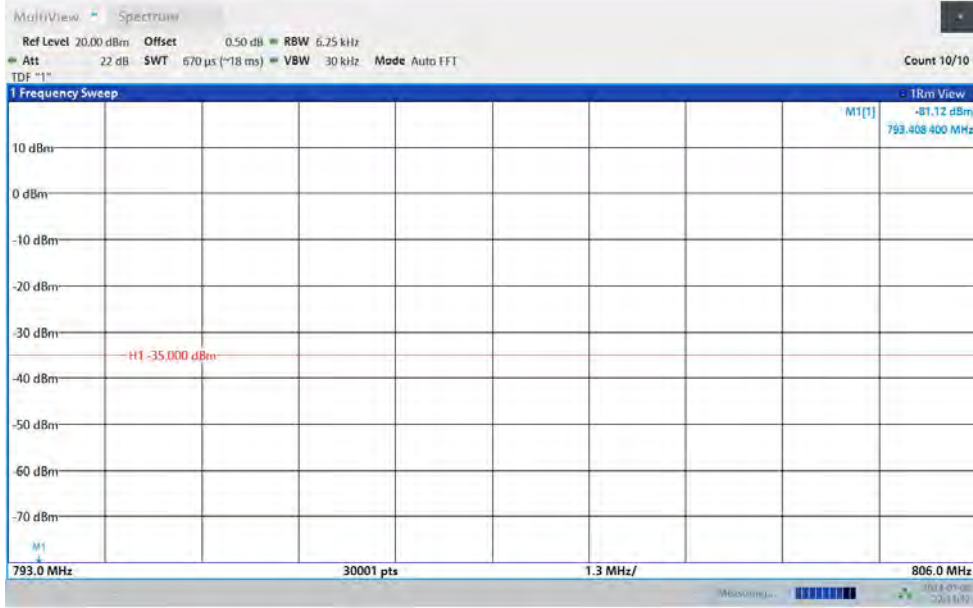
Test Graphs



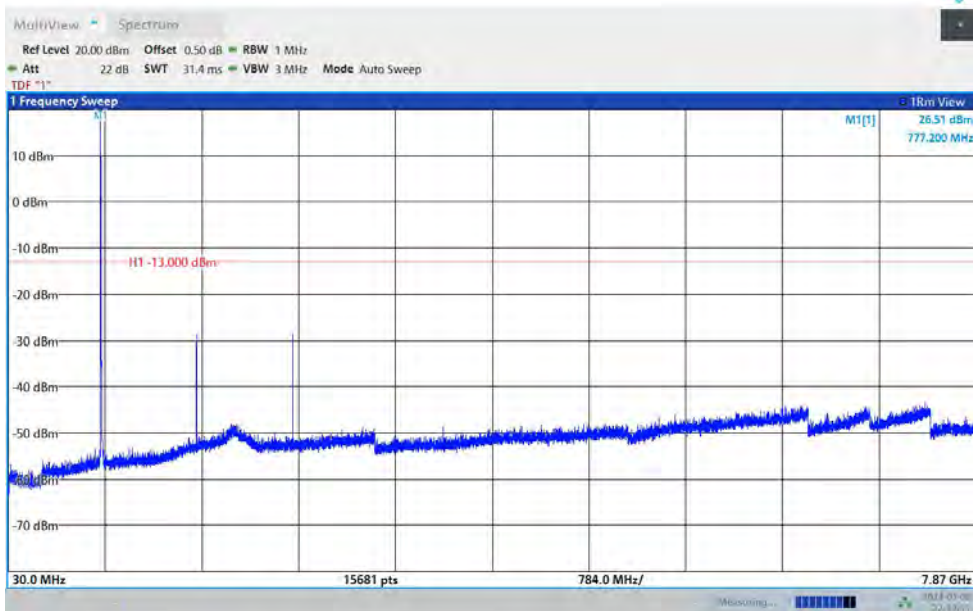


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23205-1RB#0-Range1:30~7870MHz

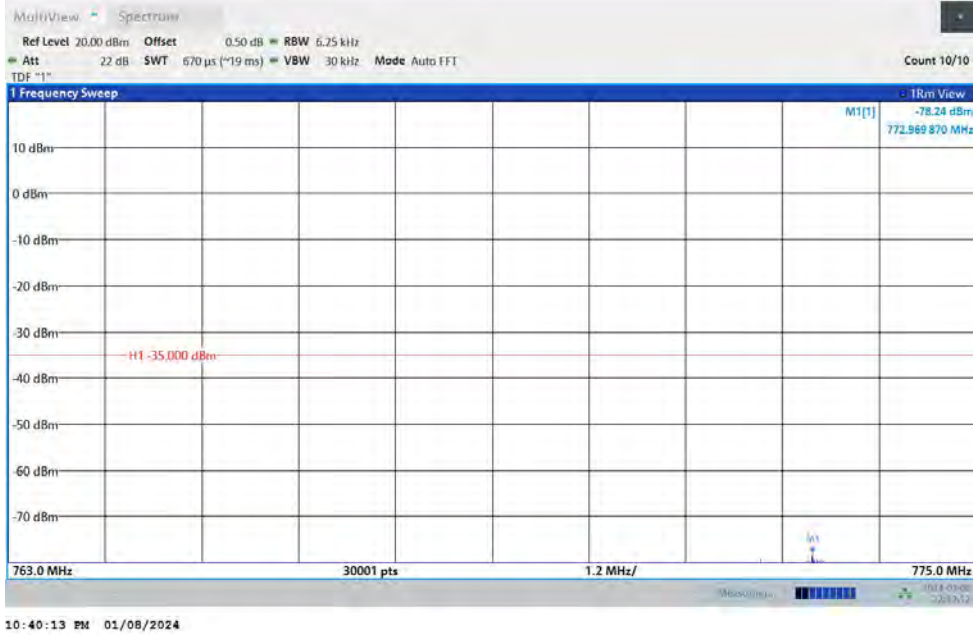


Band13-5MHz-16QAM-23205-1RB#0-Range2:763~775MHz

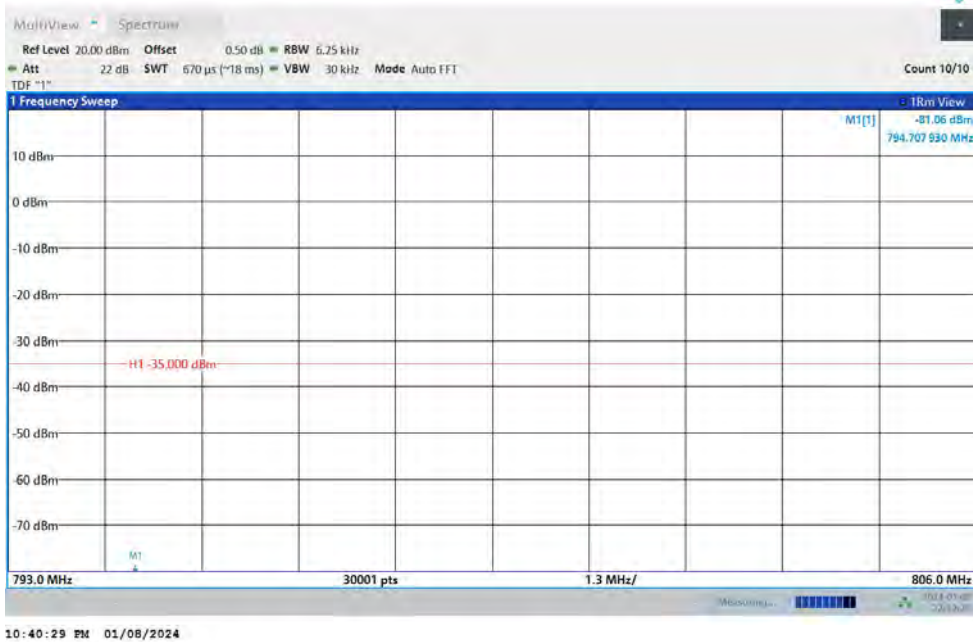


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Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23205-1RB#0-Range3:793~806MHz

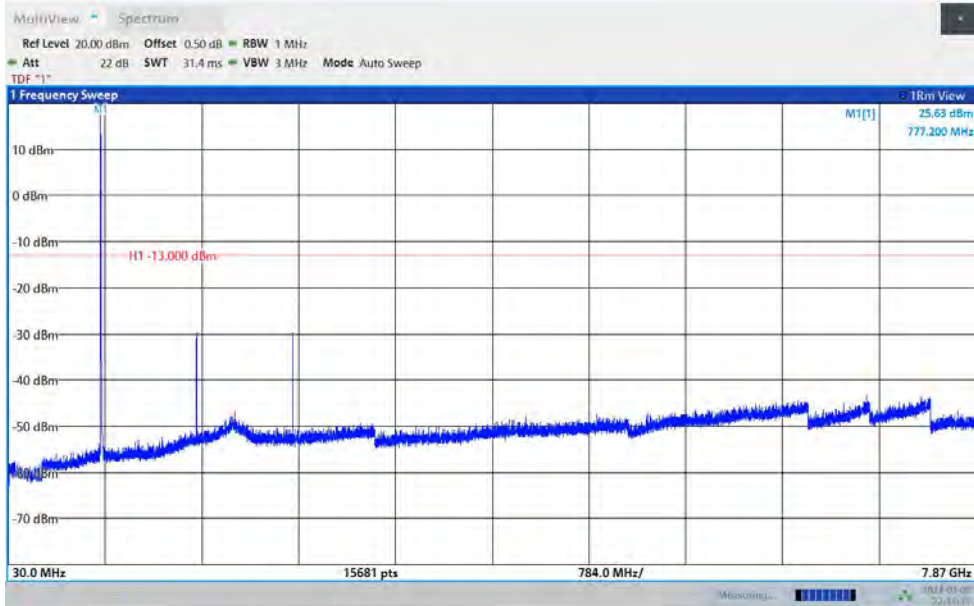


Band13-5MHz-64QAM-23205-1RB#0-Range1:30~7870MHz

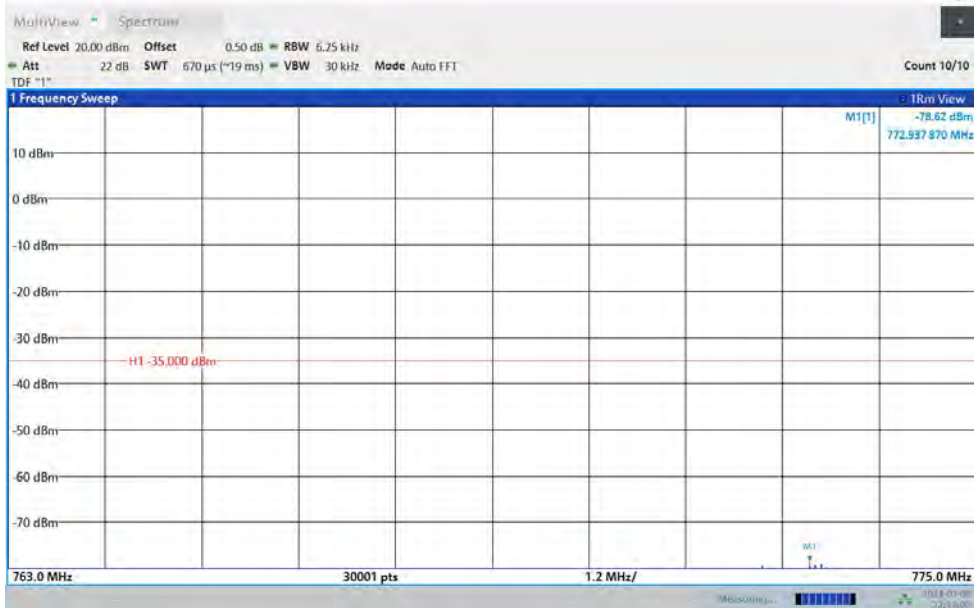


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23205-1RB#0-Range2:763~775MHz

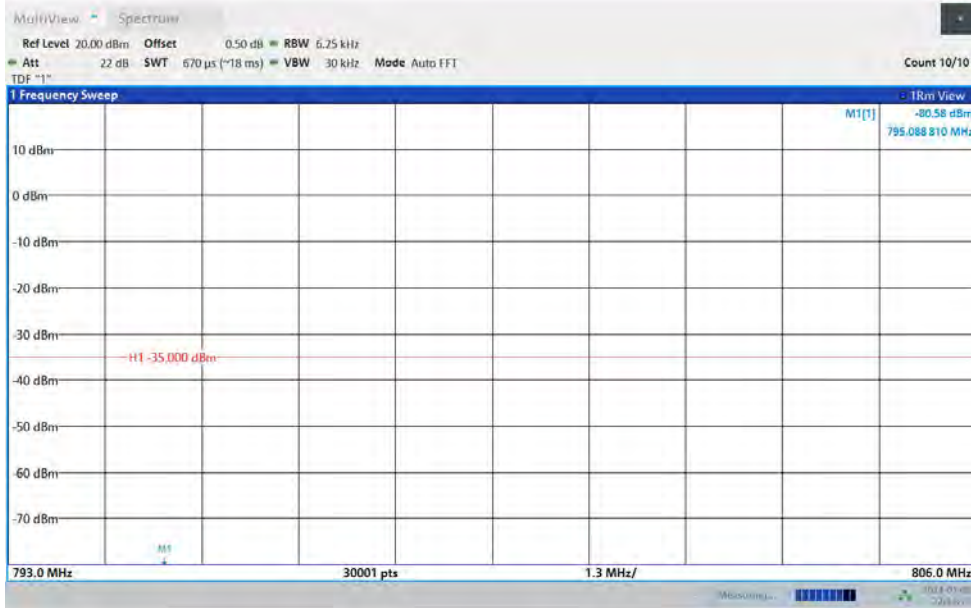


Band13-5MHz-64QAM-23205-1RB#0-Range3:793~806MHz

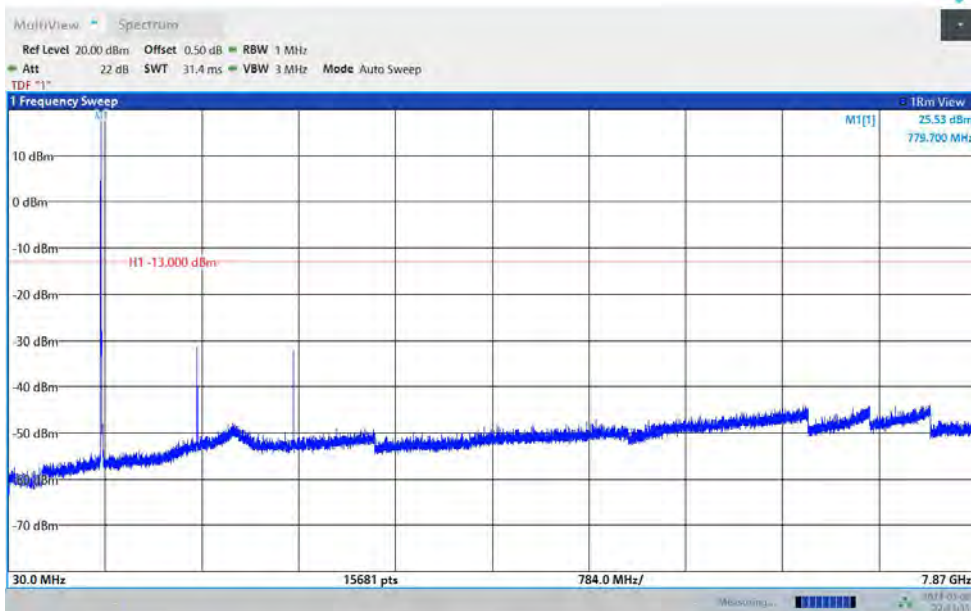


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-QPSK-23230-1RB#0-Range1:30~7870MHz

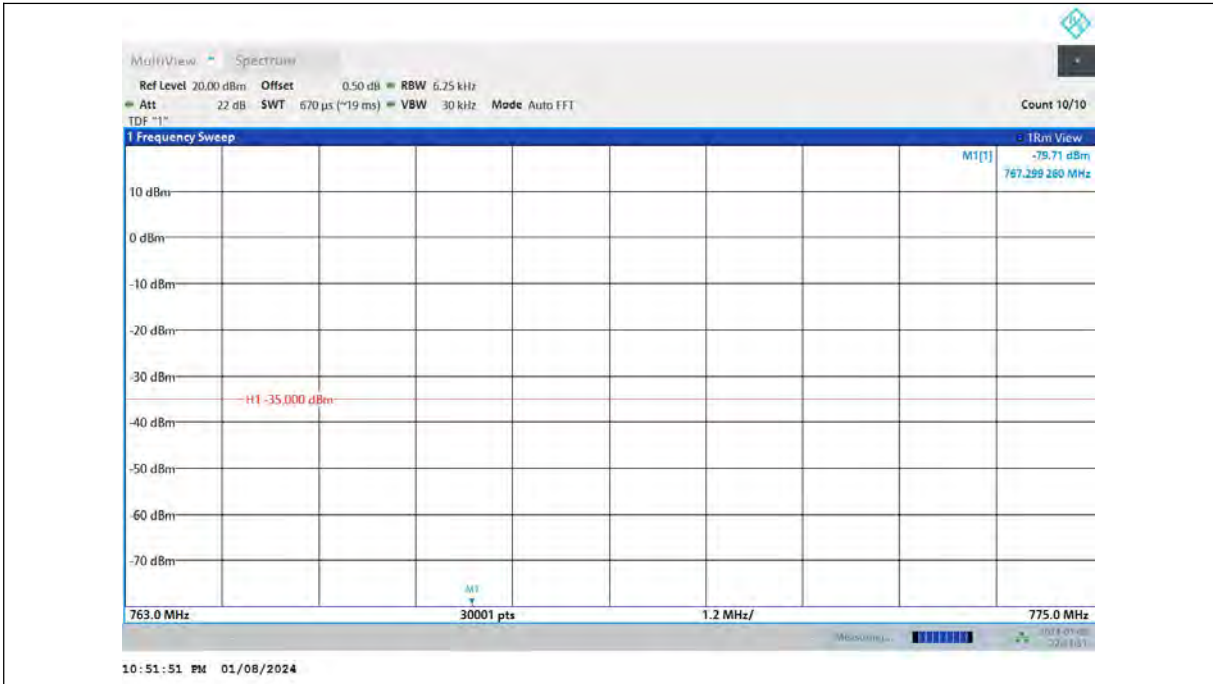


Band13-5MHz-QPSK-23230-1RB#0-Range2:763~775MHz

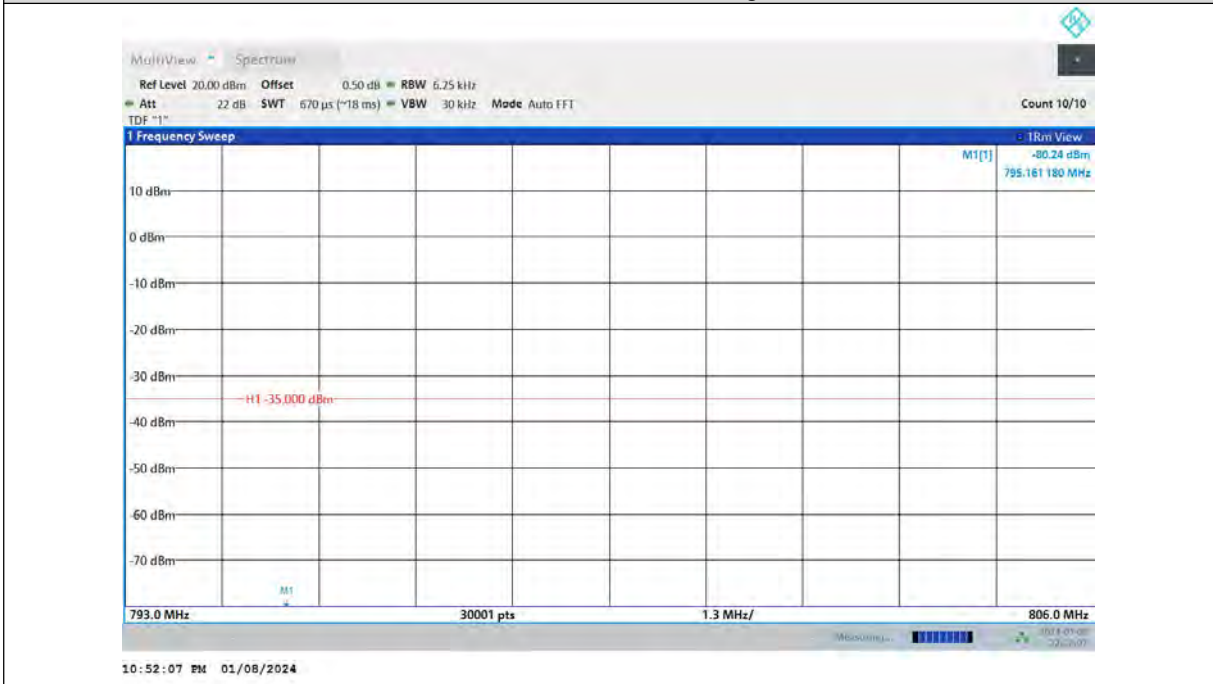


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



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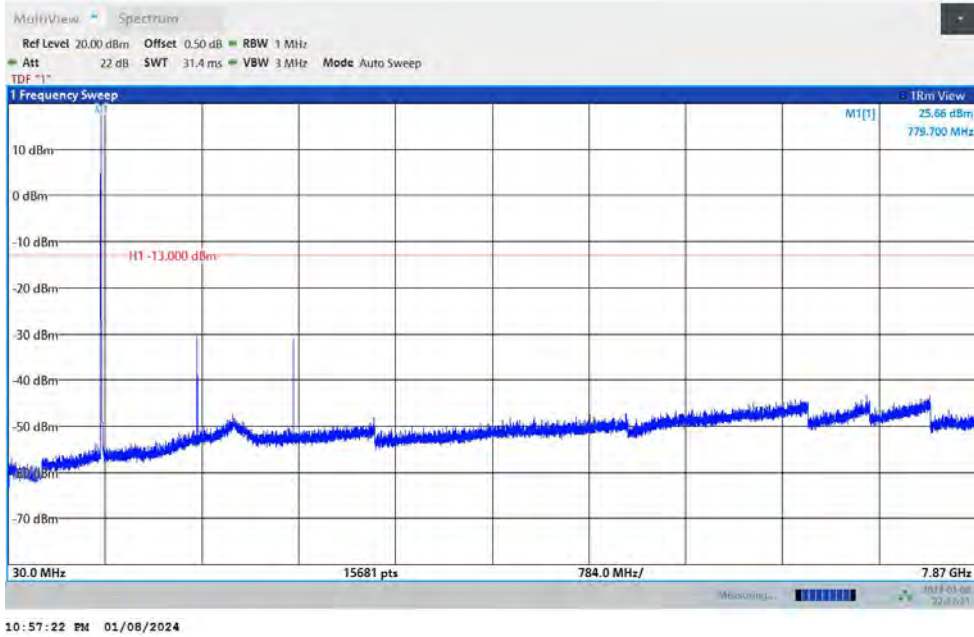


Band13-5MHz-16QAM-23230-1RB#0-Range1:30~7870MHz

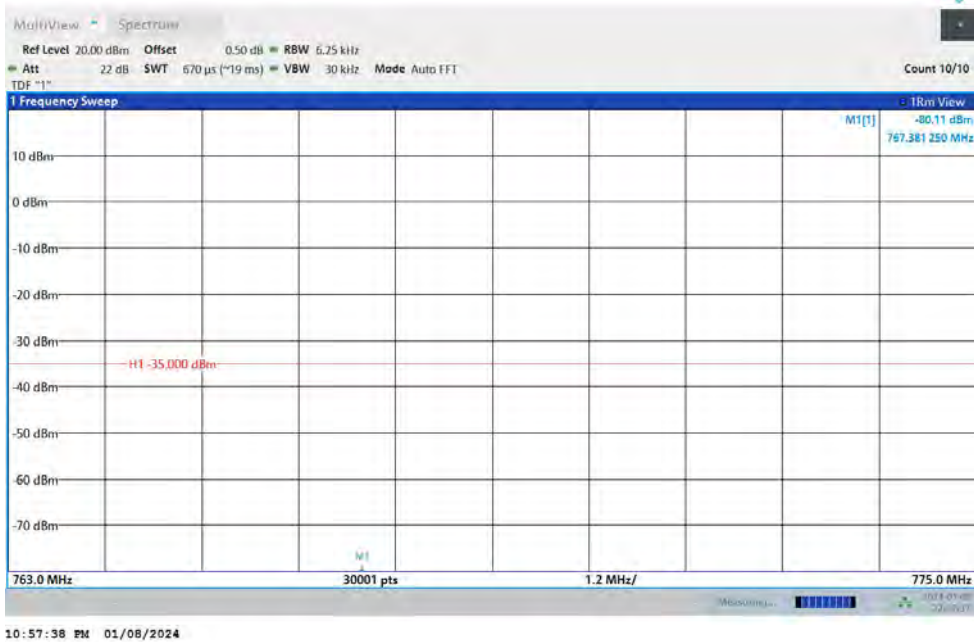


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23205-1RB#0-Range2:763~775MHz

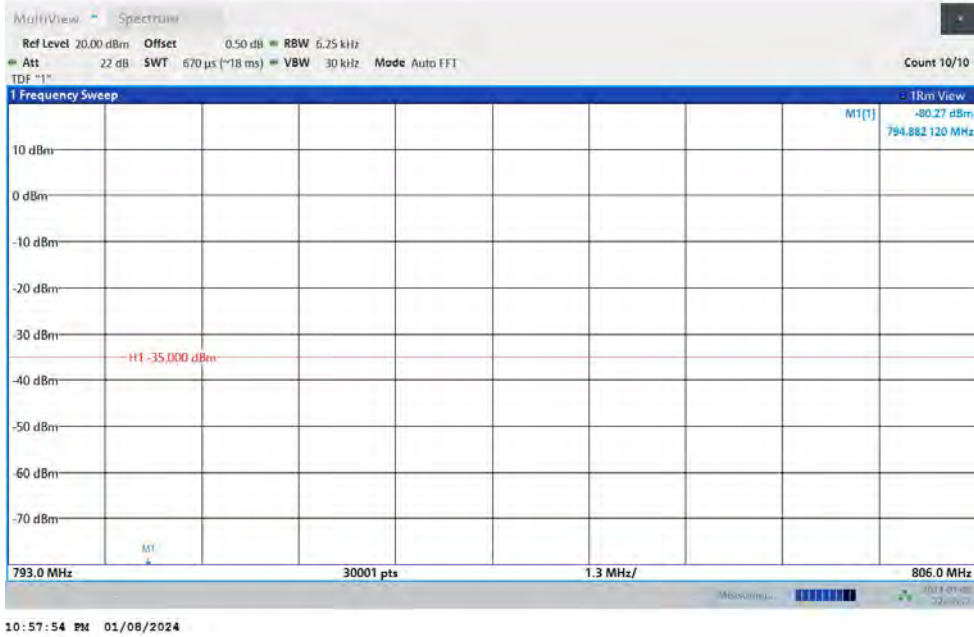


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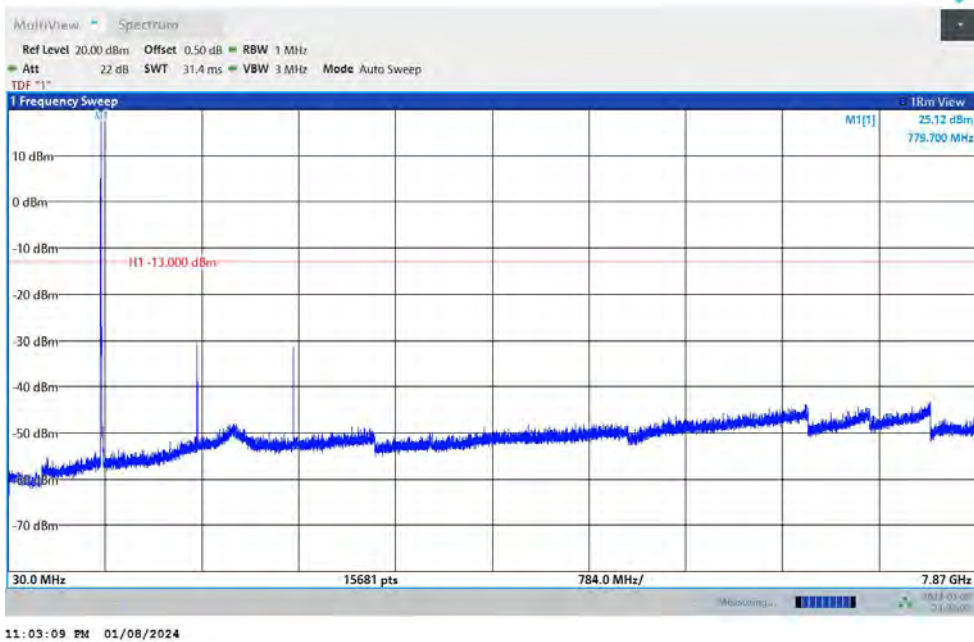


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23230-1RB#0-Range1:30~7870MHz

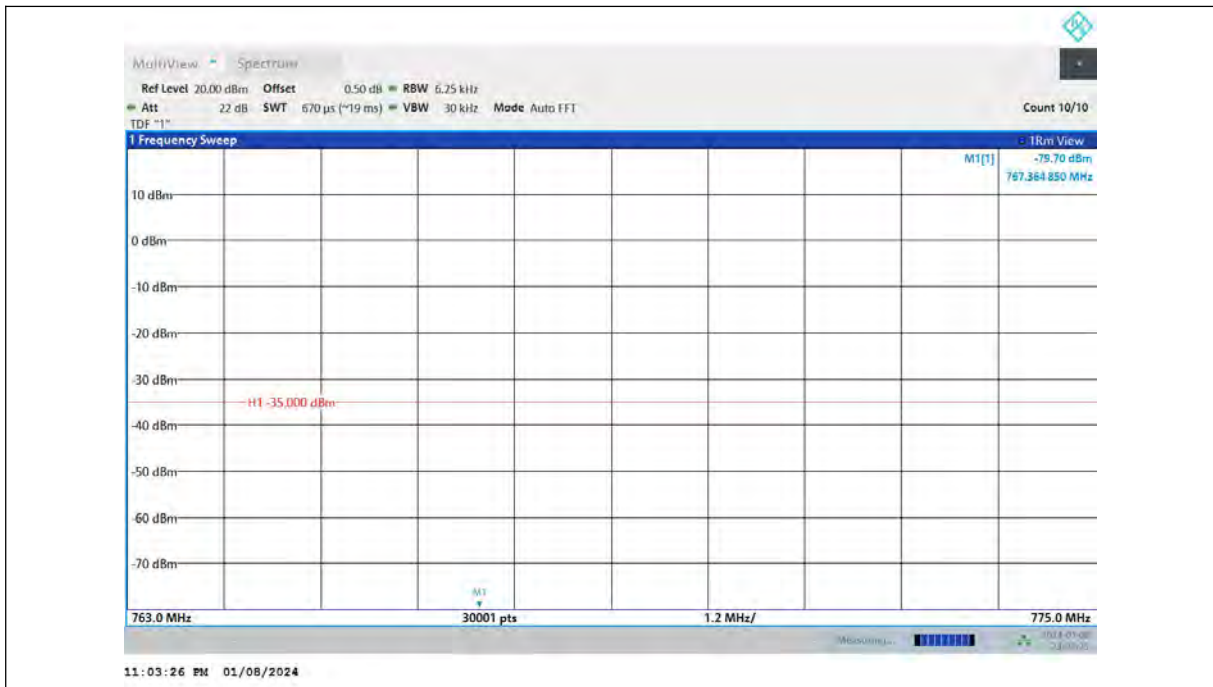


Band13-5MHz-64QAM-23205-1RB#0-Range2:763~775MHz

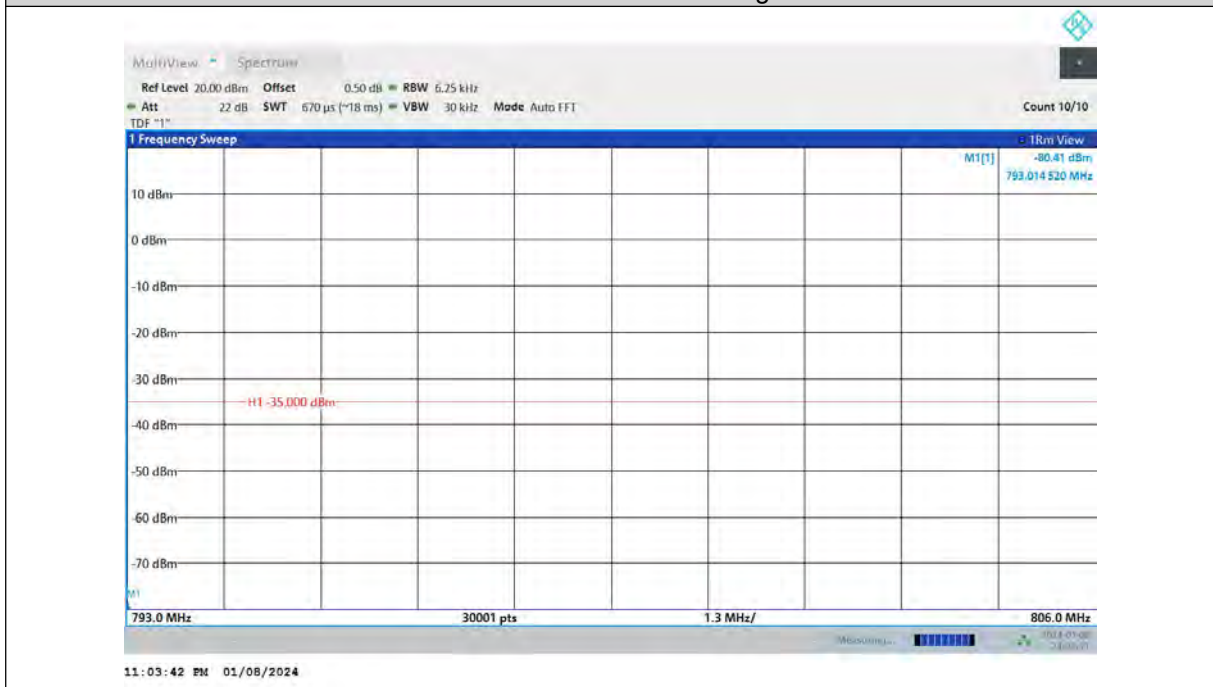


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23205-1RB#0-Range3:793~806MHz

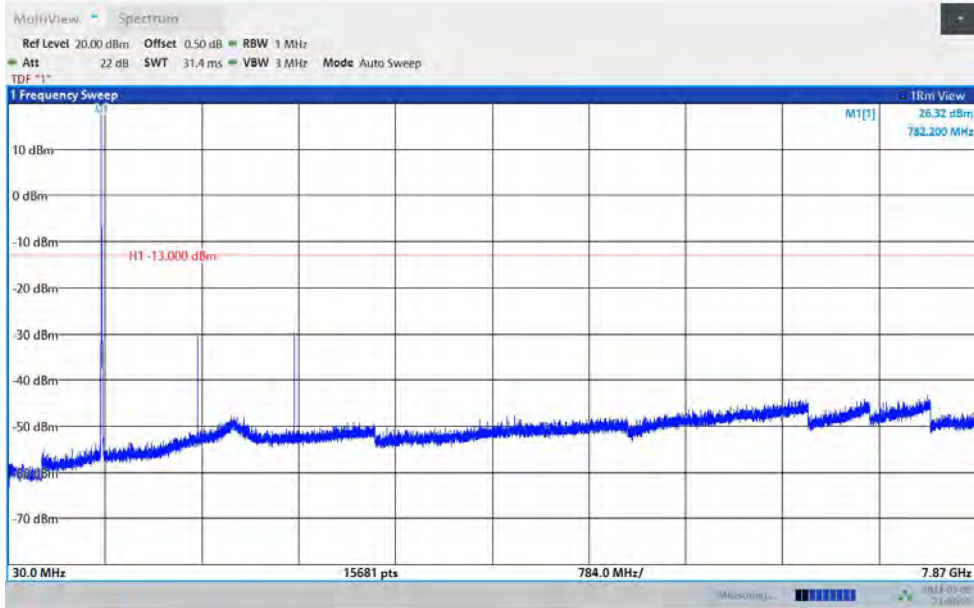


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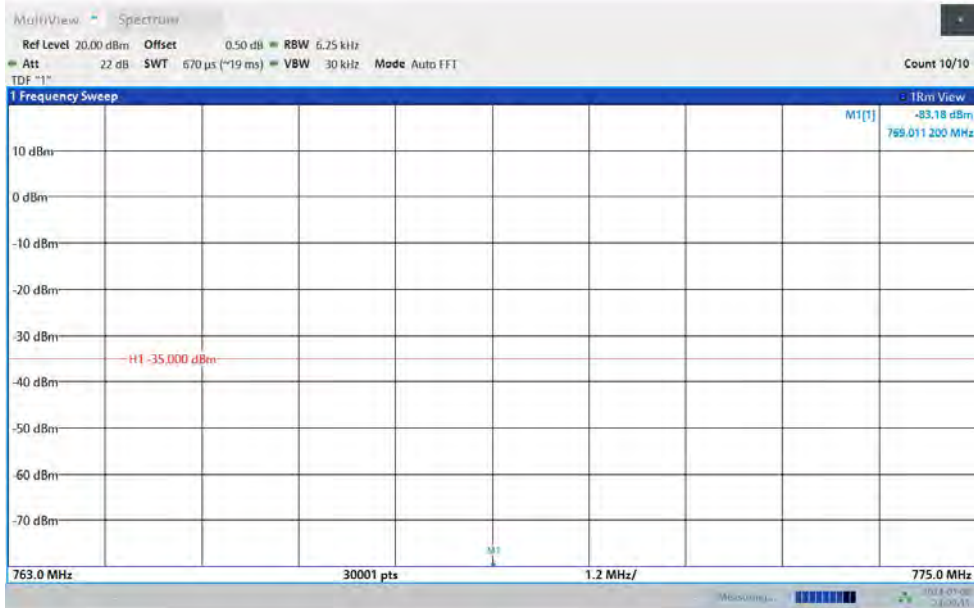


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-QPSK-23255-1RB#0-Range2:763~775MHz

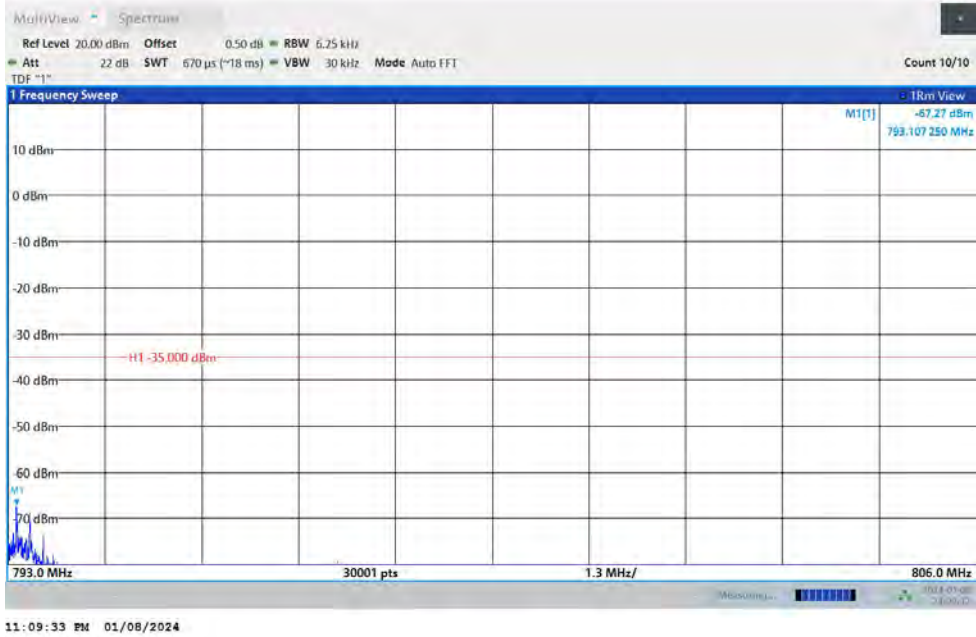


Band13-5MHz-QPSK-23255-1RB#0-Range3:793~806MHz

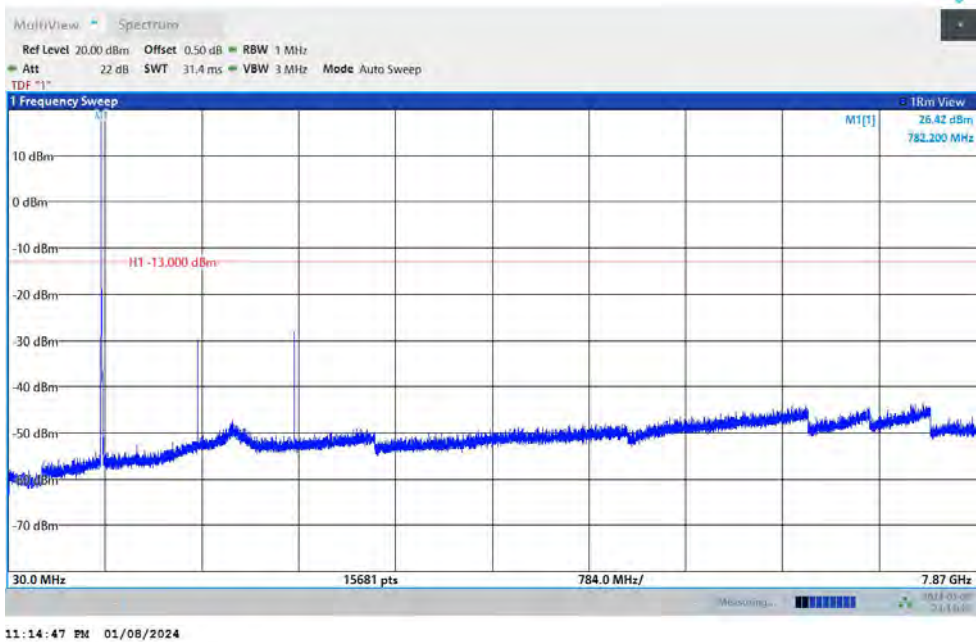


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23255-1RB#0-Range1:30~7870MHz

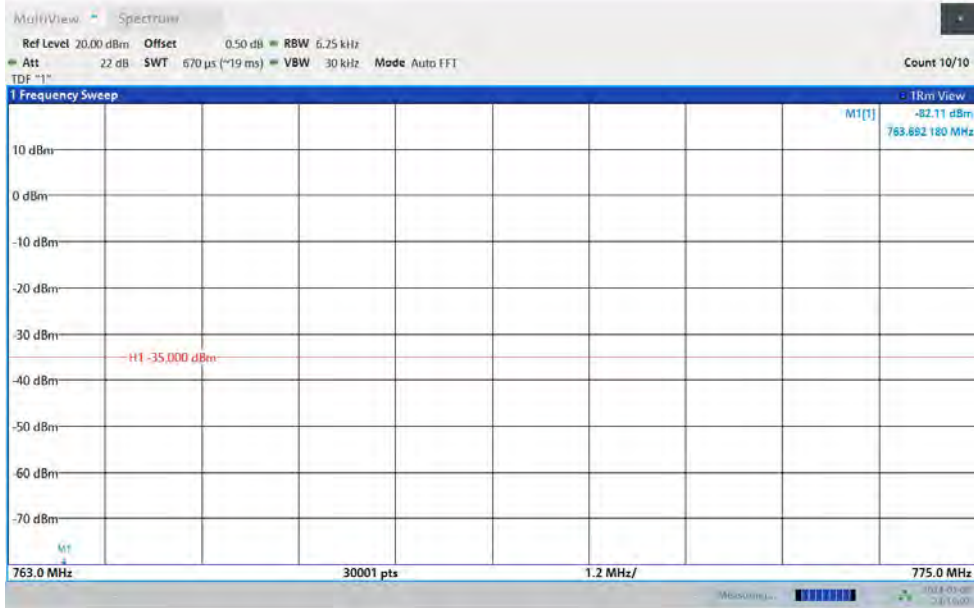


Band13-5MHz-16QAM-23255-1RB#0-Range2:763~775MHz



BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-16QAM-23255-1RB#0-Range3:793~806MHz

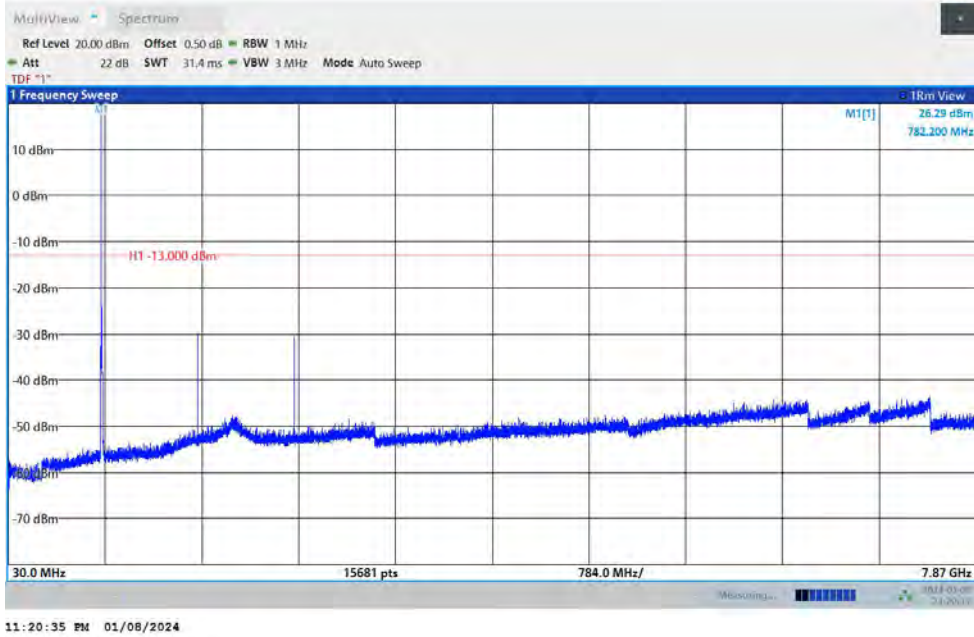


Band13-5MHz-64QAM-23255-1RB#0-Range1:30~7870MHz

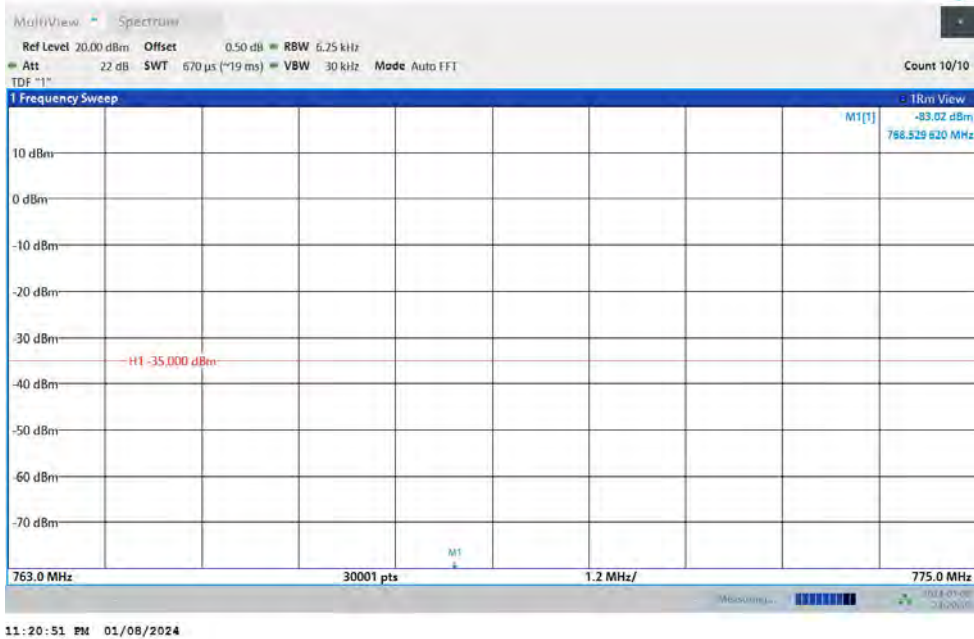


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-5MHz-64QAM-23255-1RB#0-Range2:763~775MHz

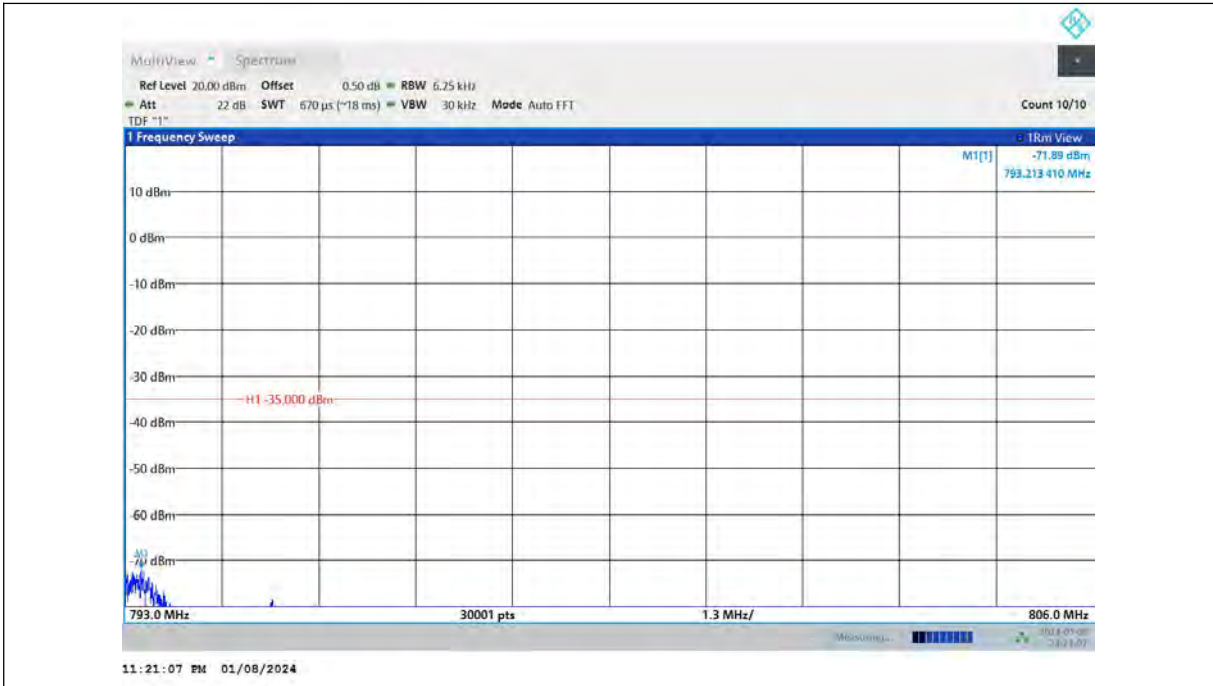


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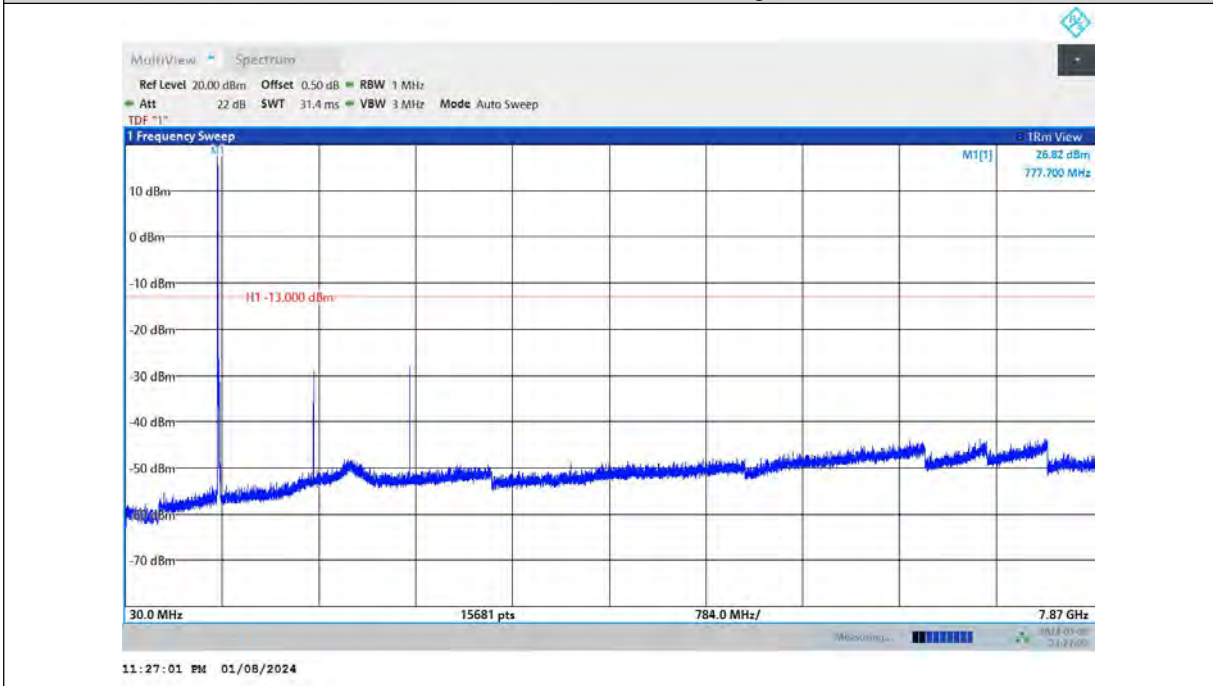


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-10MHz-QPSK-23230-1RB#0-Range1:30~7870MHz

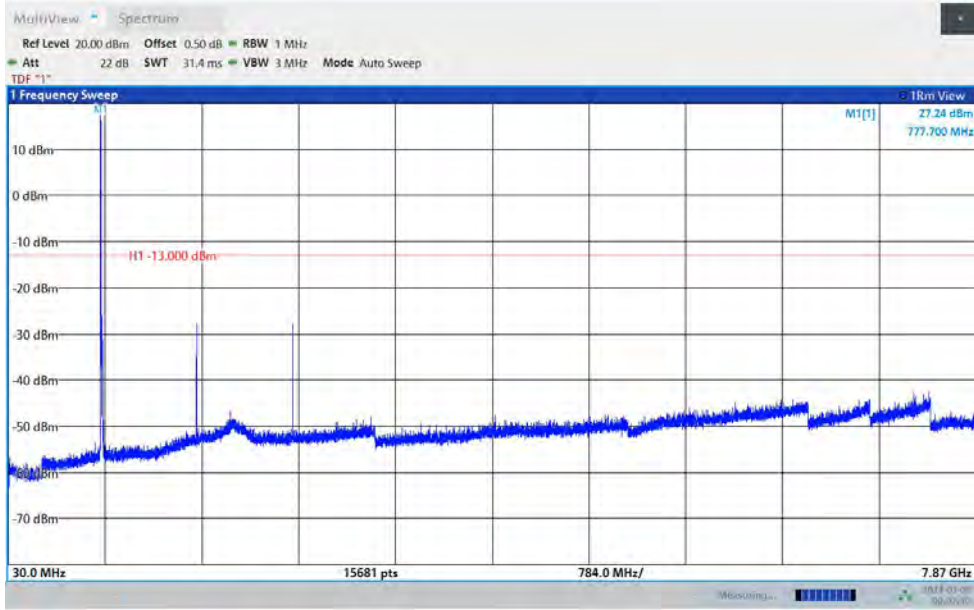


Band13-10MHz-16QAM-23230-1RB#0-Range1:30~7870MHz

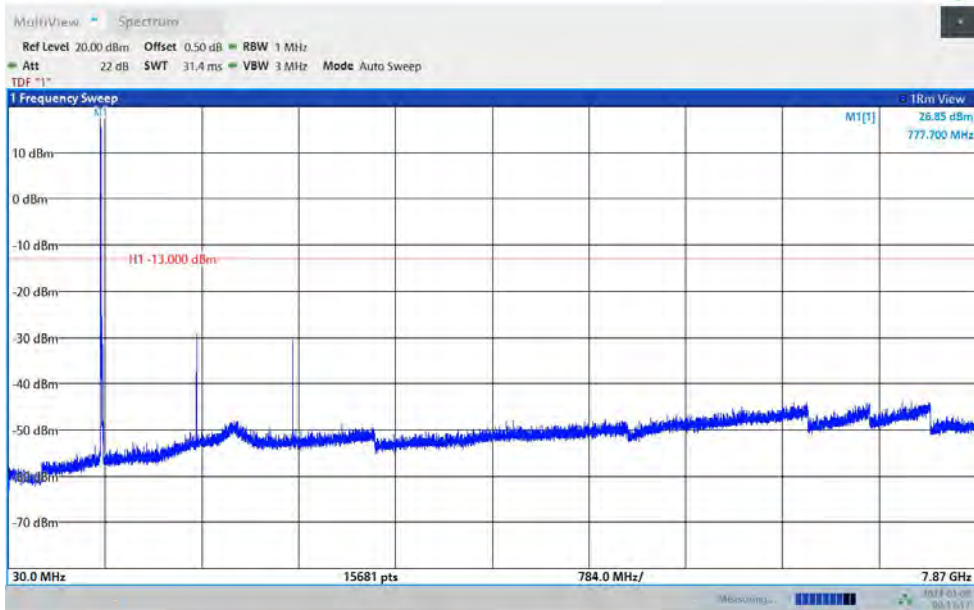


BUREAU VERITAS

Test Report No.: PSU-NQN2402040109RF03



Band13-10MHz-64QAM-23230-1RB#0-Range1:30~7870MHz





Test Report No.: PSU-NQN2402040109RF03

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	3.1	0.003964	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-14.5	-0.018542	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-21.9	-0.028005	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	27	0.034527	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	20.2	0.025831	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	15.4	0.019693	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VL	NT	27	0.034527	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VN	NT	16.4	0.020972	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VH	NT	-2.9	-0.003708	±2.5	PASS



Test Report No.: PSU-NQN2402040109RF03

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	30.6	0.039130	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	21.1	0.026982	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	8.5	0.010870	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	12.7	0.016240	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-19.4	-0.024808	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-9.6	-0.012276	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	6.5	0.008312	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-0.6	-0.000767	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-0.4	-0.000512	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-12.2	-0.015601	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-3.8	-0.004859	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	-17	-0.021739	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	3.9	0.004987	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	9.4	0.012020	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-4.8	-0.006138	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-3.1	-0.003964	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	20.6	0.026343	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	17.5	0.022379	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-30	-13.9	-0.017775	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-20	1.8	0.002302	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-10	16.3	0.020844	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	0	20	0.025575	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	10	-19.8	-0.025320	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	20	19.9	0.025448	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	30	9.7	0.012404	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	40	-3	-0.003836	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	50	-22.1	-0.028261	±2.5	PASS

---END---