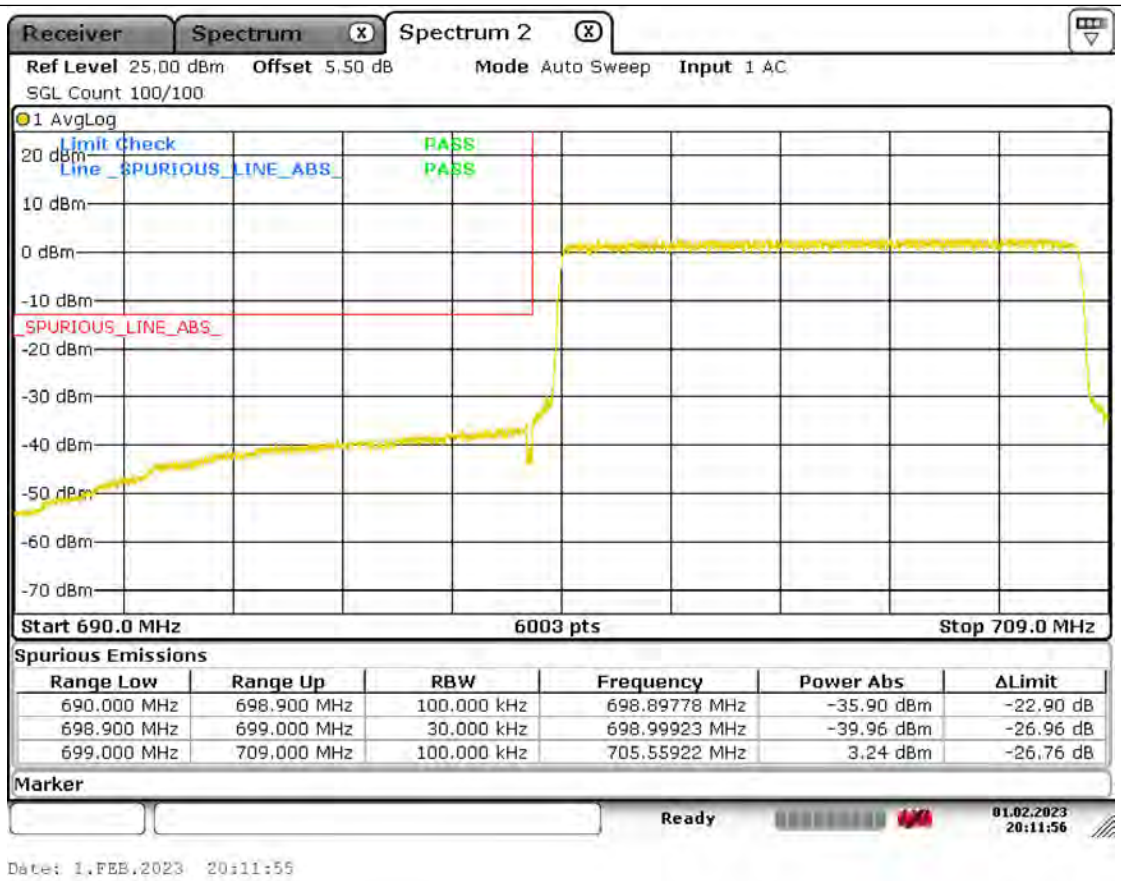
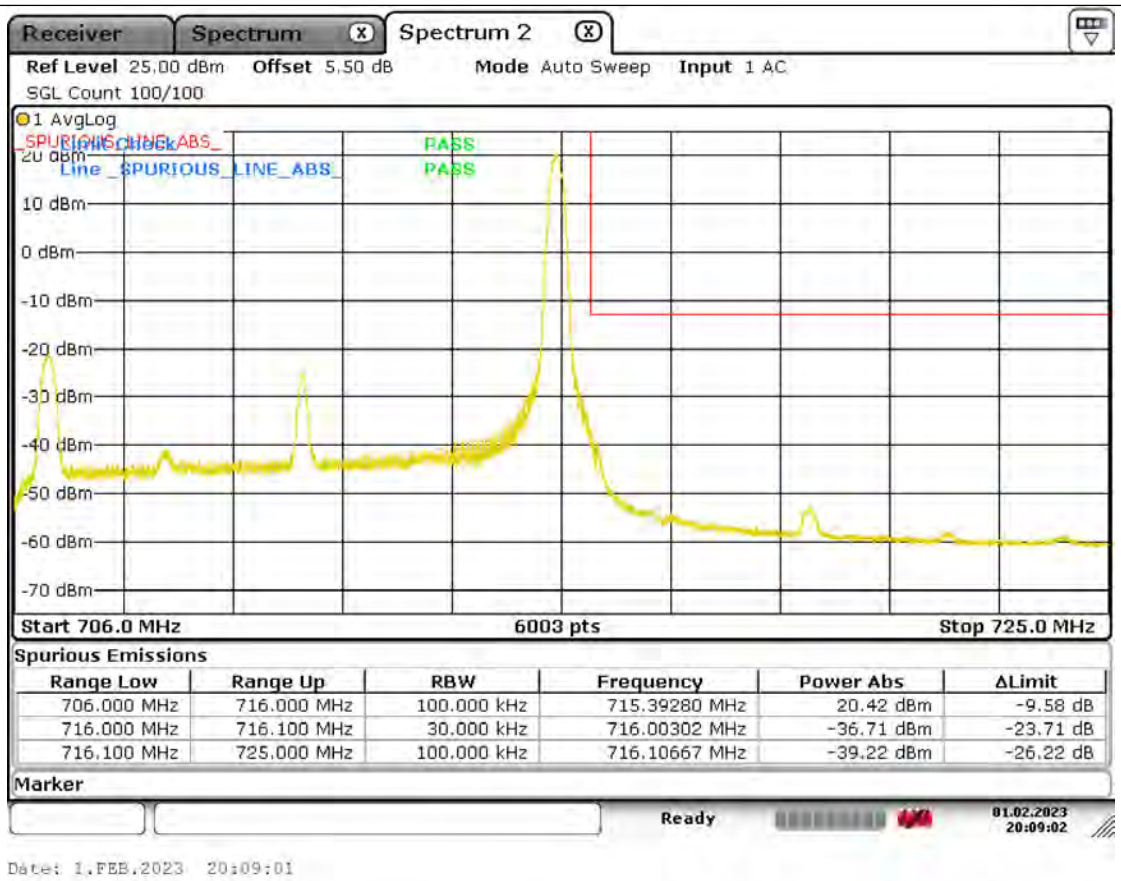
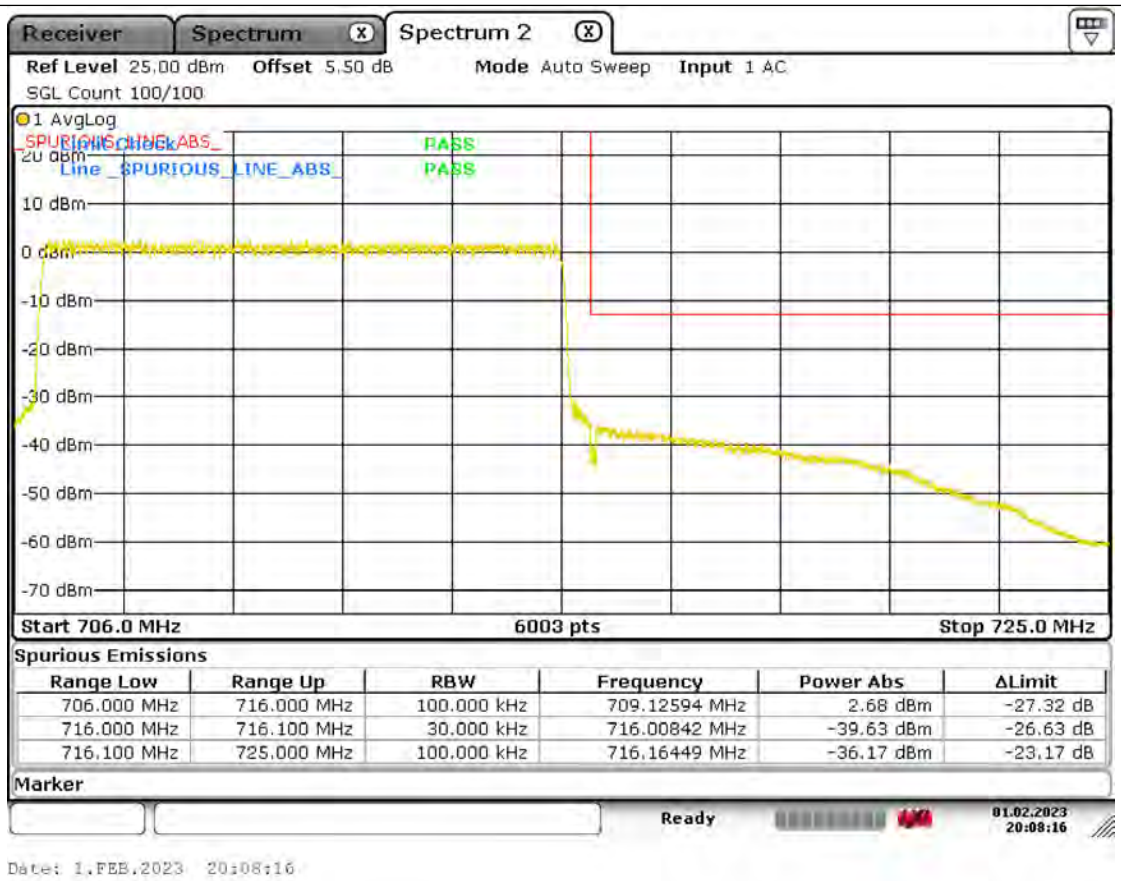


Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0

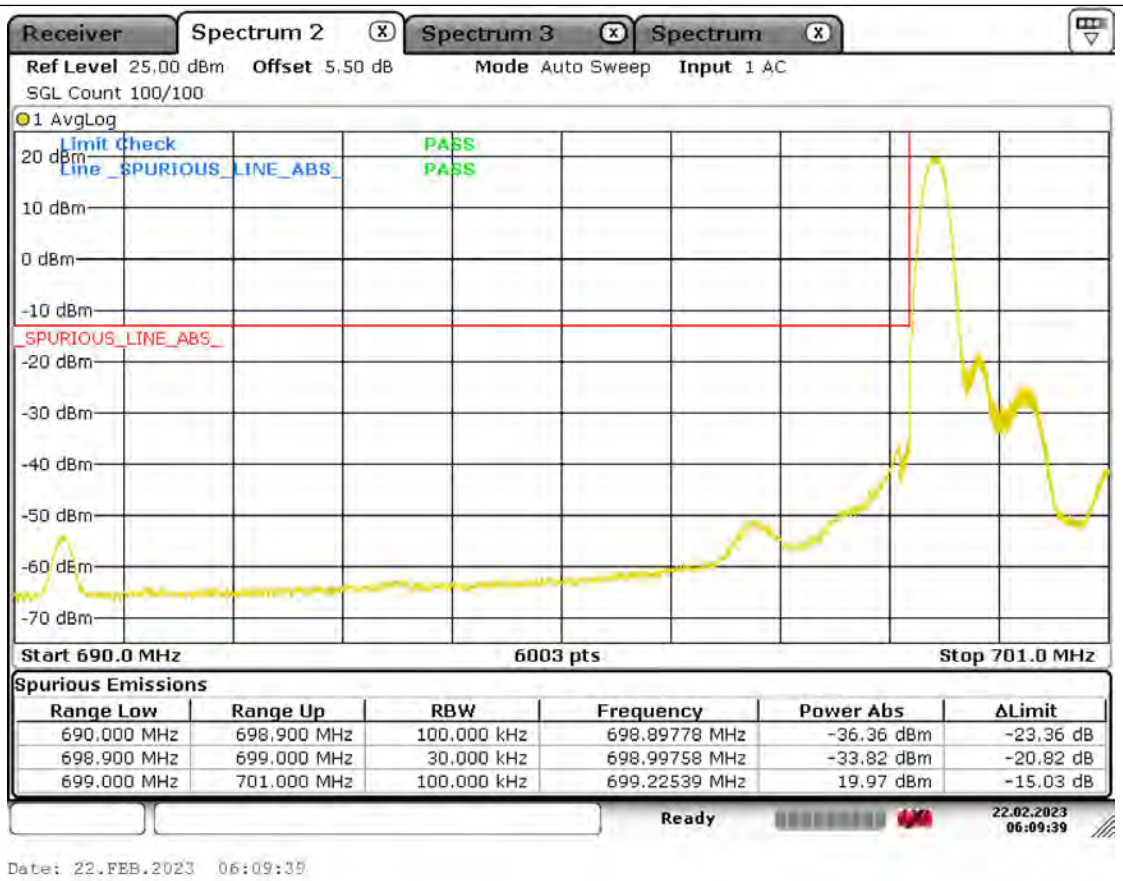


Spurious Emissions

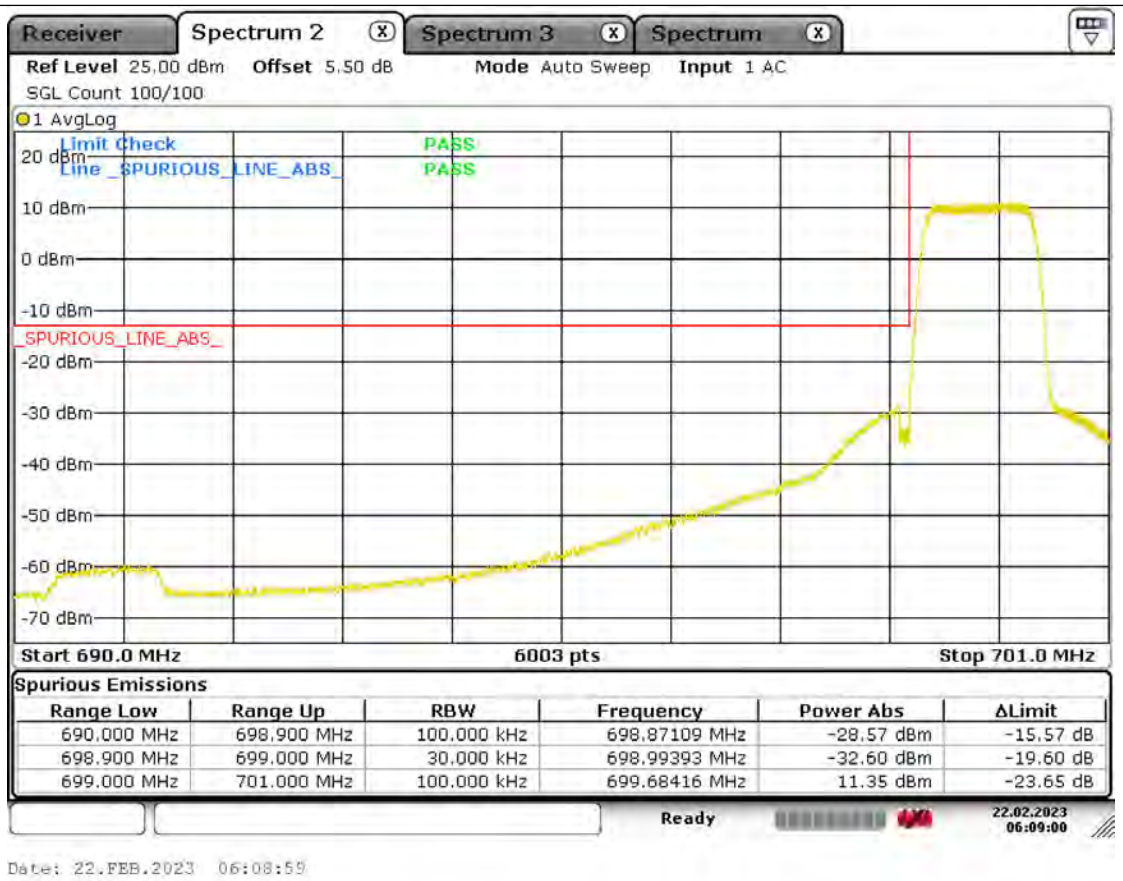
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.12594 MHz	2.68 dBm	-27.32 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00842 MHz	-39.63 dBm	-26.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.16449 MHz	-36.17 dBm	-23.17 dB

Marker

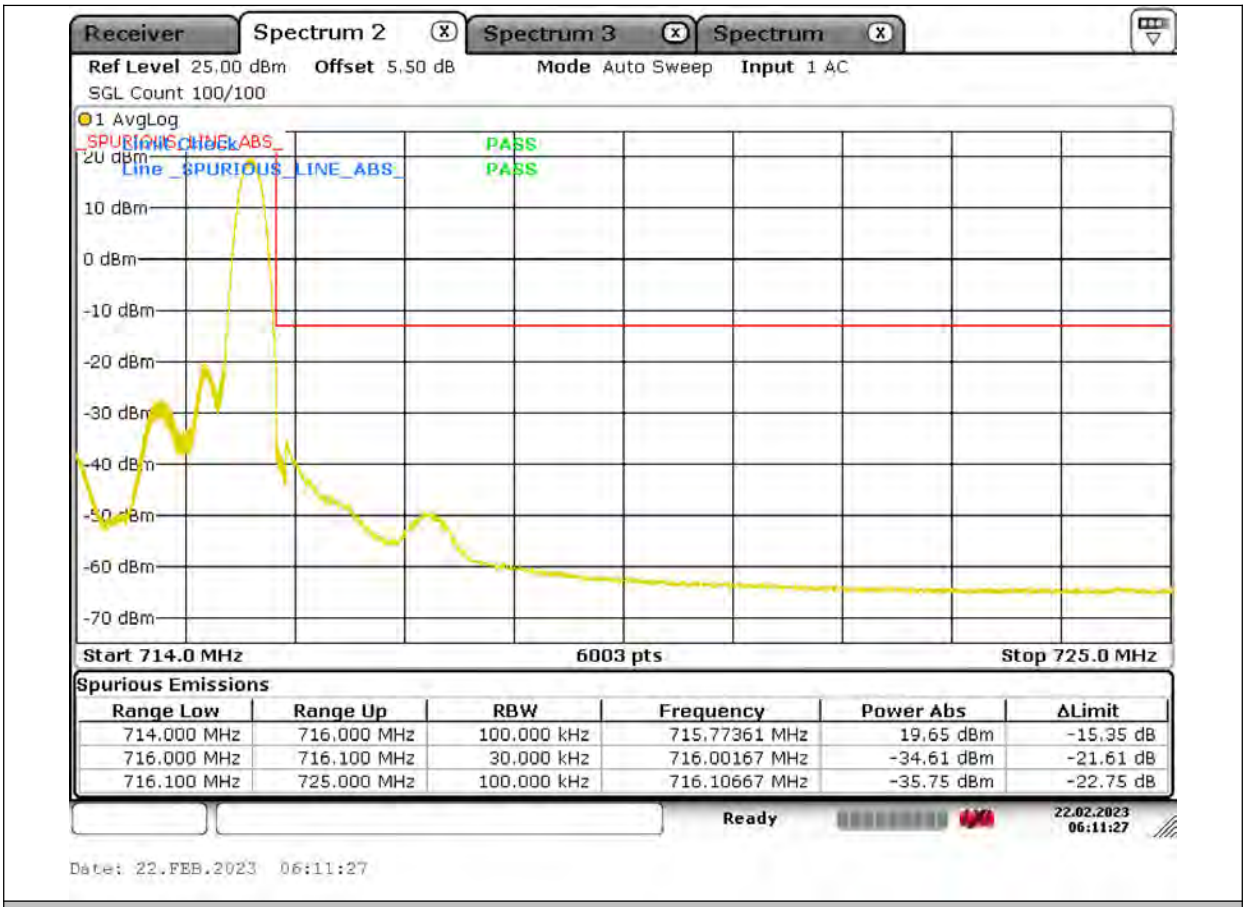
Band12-1.4MHz-64QAM-23017-1RB#0



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



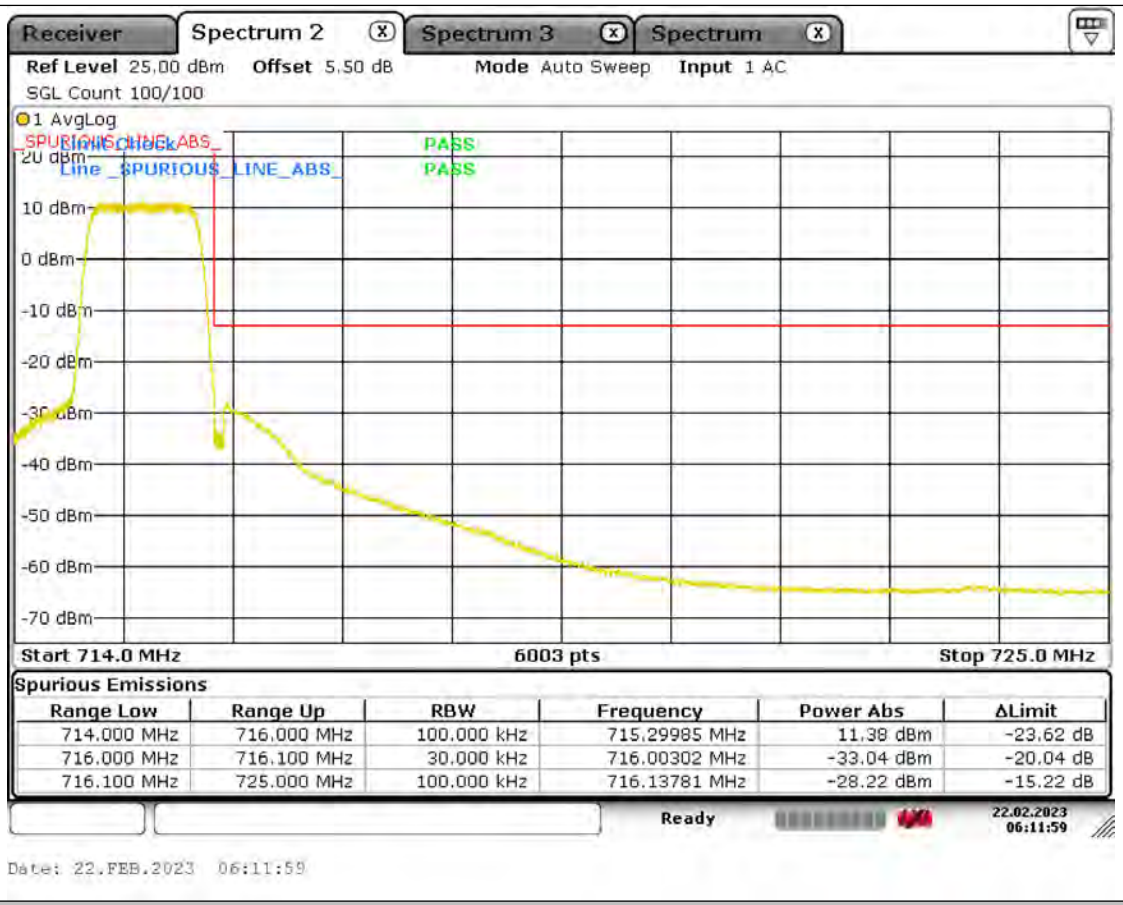
Band12-1.4MHz-64QAM-23173-1RB#5



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.77361 MHz	19.65 dBm	-15.35 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00167 MHz	-34.61 dBm	-21.61 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10667 MHz	-35.75 dBm	-22.75 dB

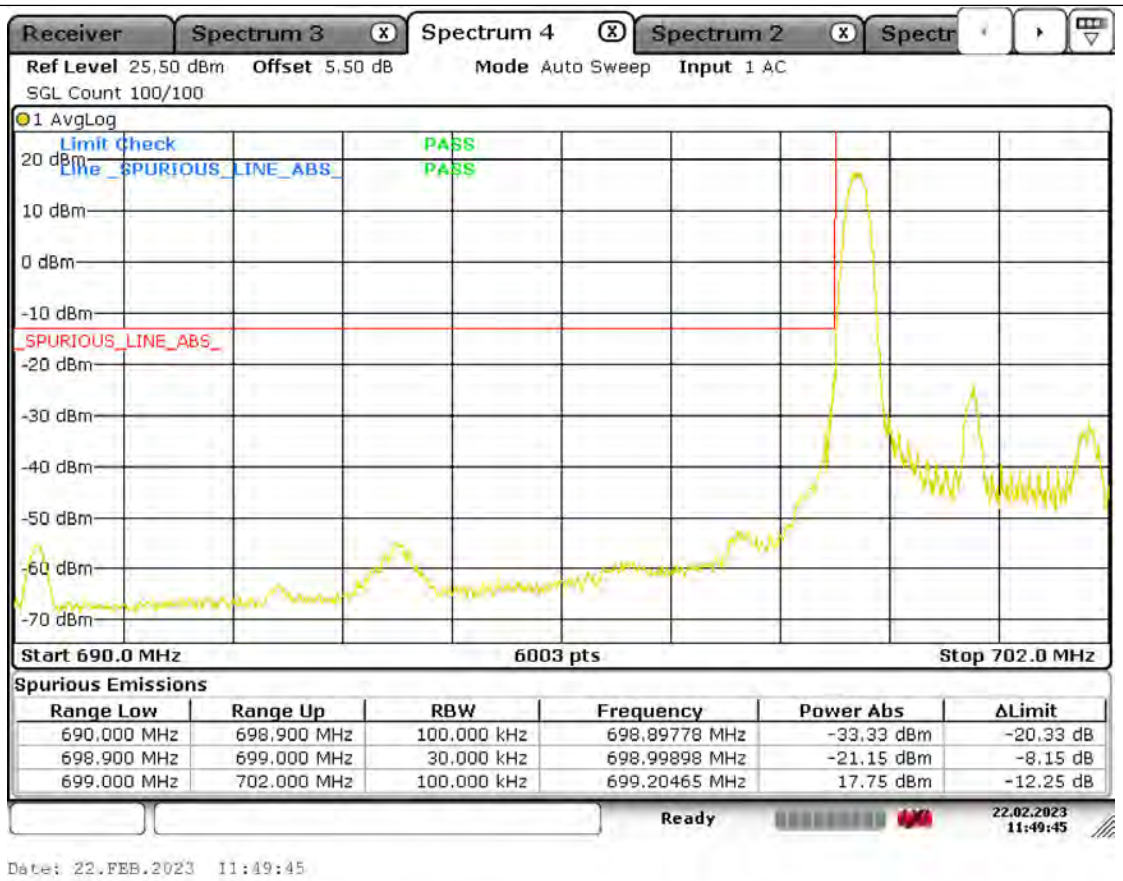
Band12-1.4MHz-64QAM-23173-6RB#0



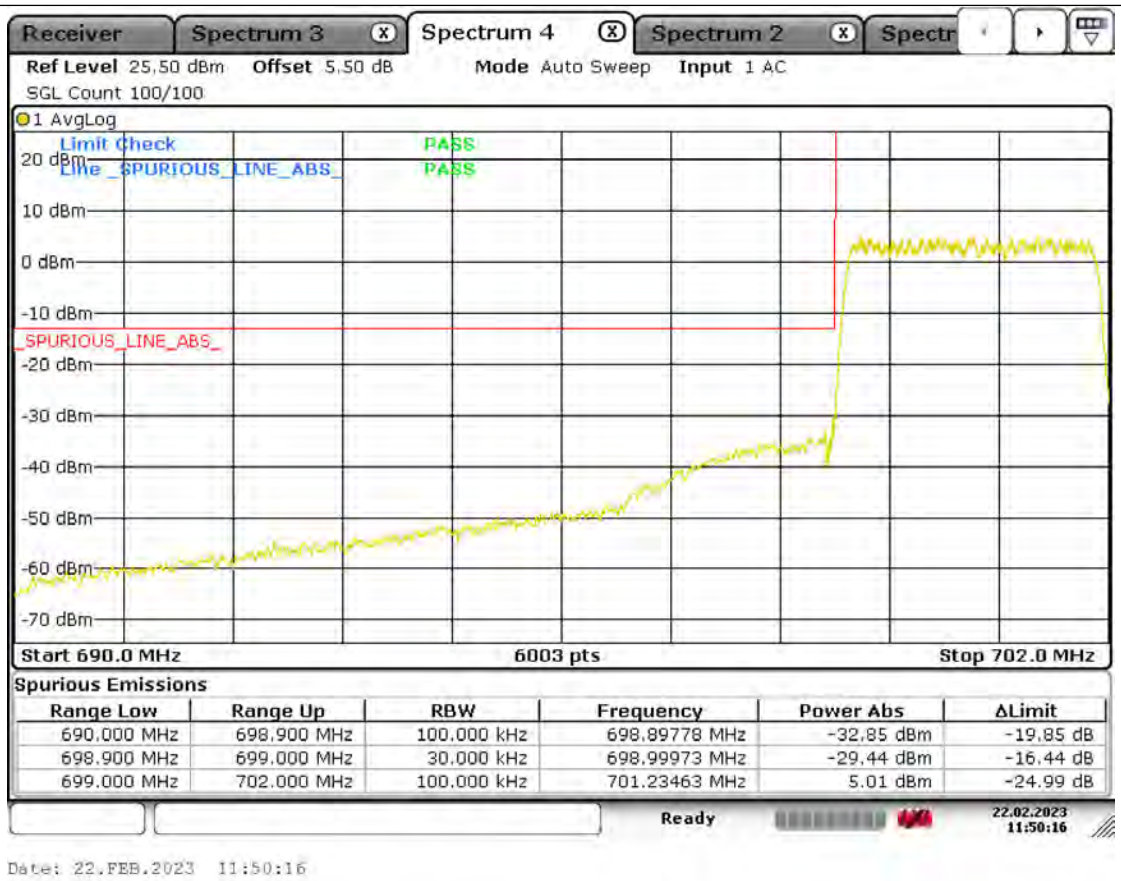
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.29985 MHz	11.38 dBm	-23.62 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00302 MHz	-33.04 dBm	-20.04 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13781 MHz	-28.22 dBm	-15.22 dB

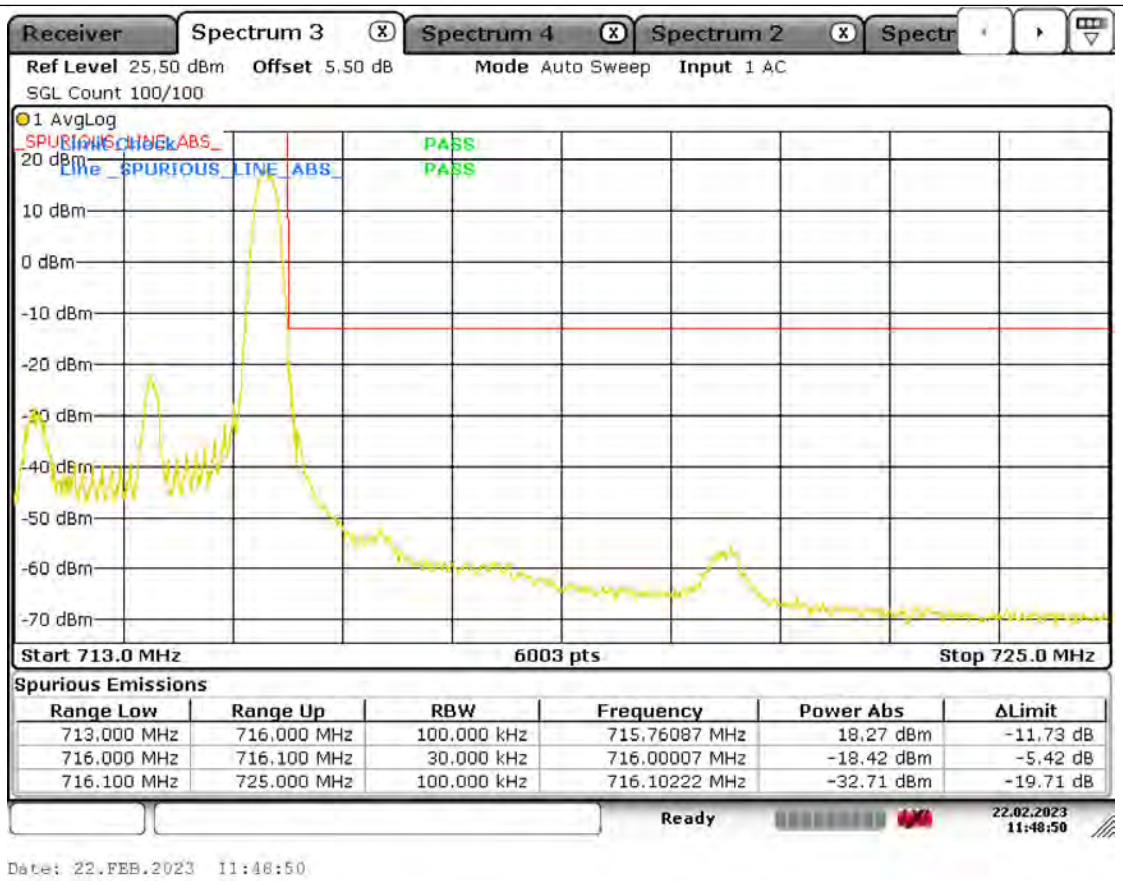
Band12-3MHz-64QAM-23025-1RB#0



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



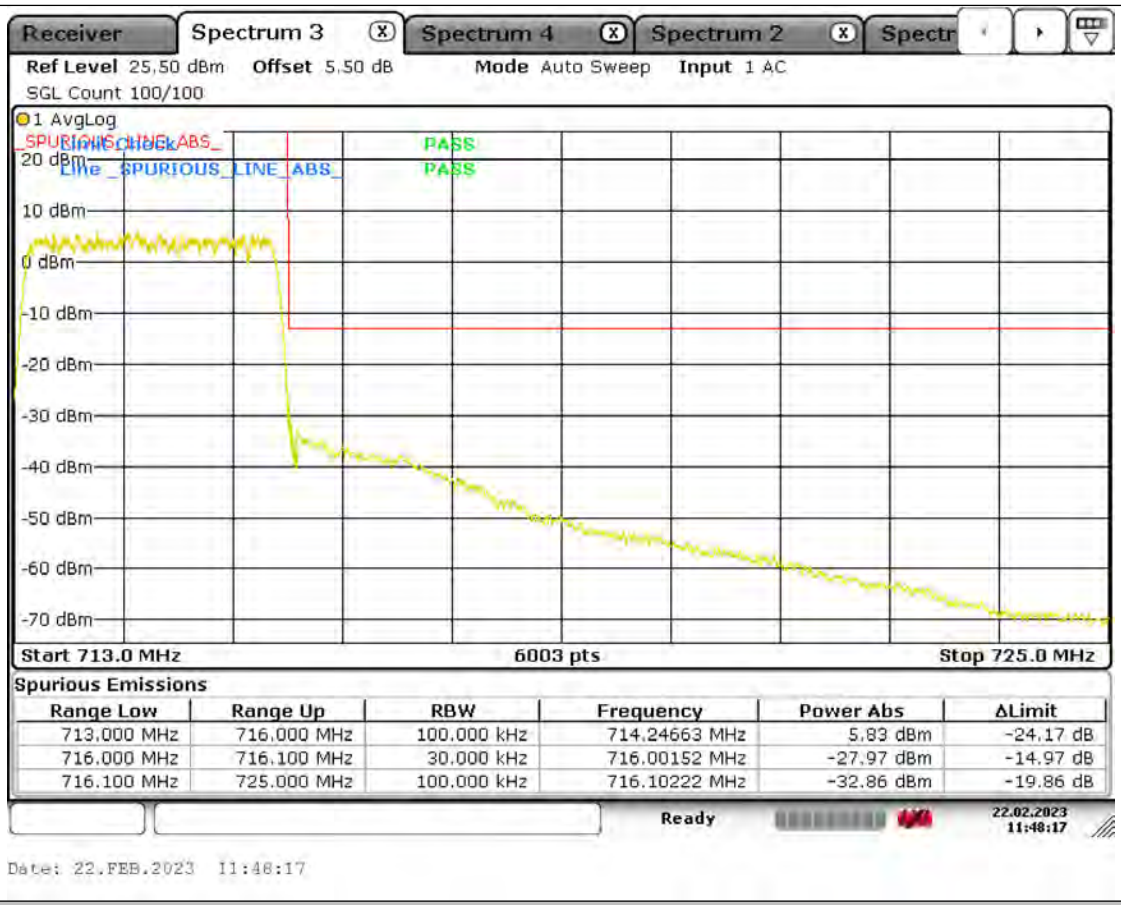
Band12-3MHz-64QAM-23165-1RB#14



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.76087 MHz	18.27 dBm	-11.73 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00007 MHz	-18.42 dBm	-5.42 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-32.71 dBm	-19.71 dB

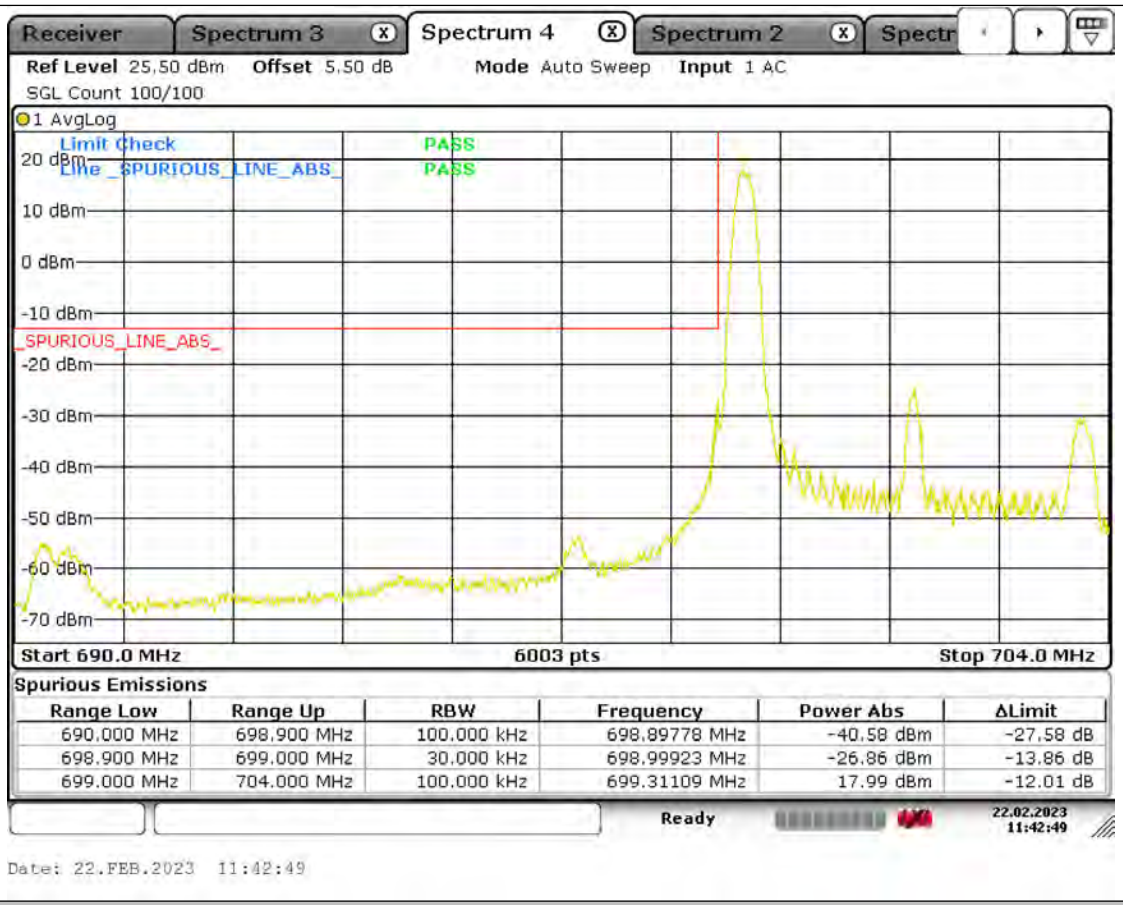
Band12-3MHz-64QAM-23165-15RB#0



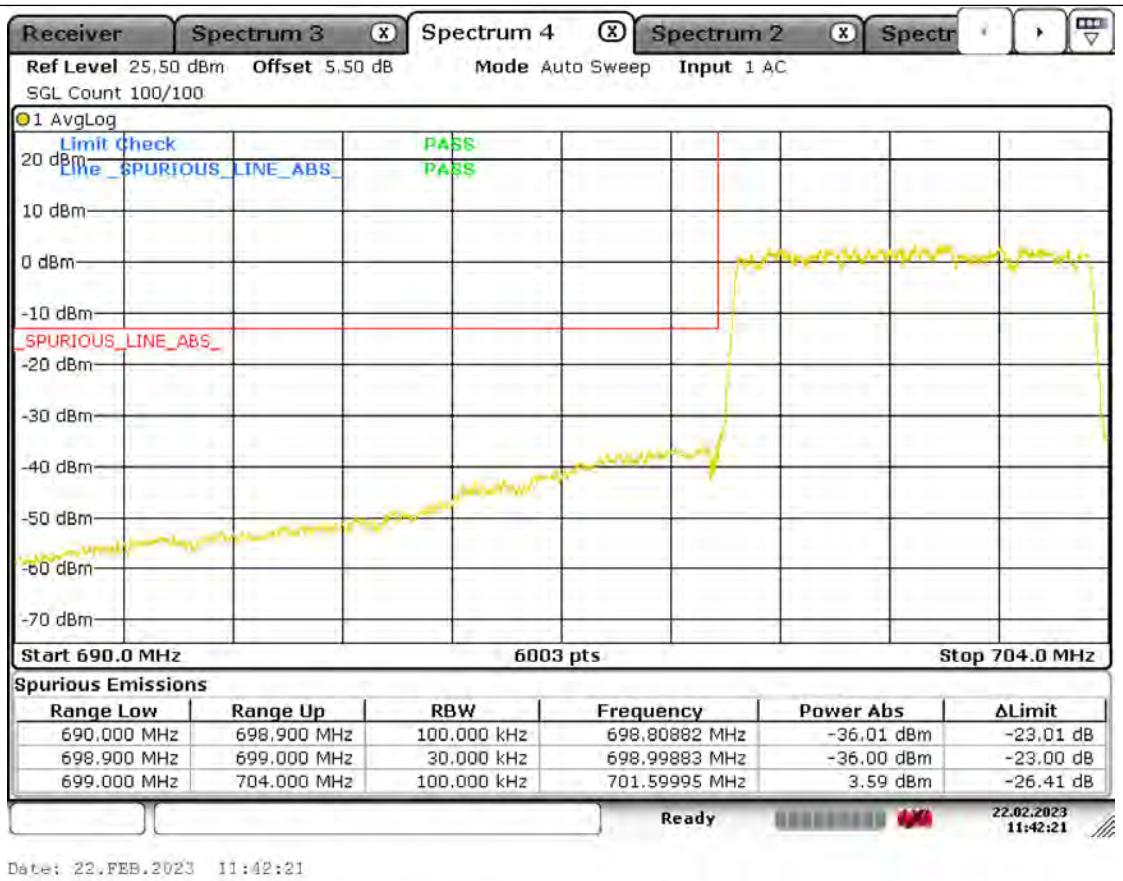
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.24663 MHz	5.83 dBm	-24.17 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00152 MHz	-27.97 dBm	-14.97 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-32.86 dBm	-19.86 dB

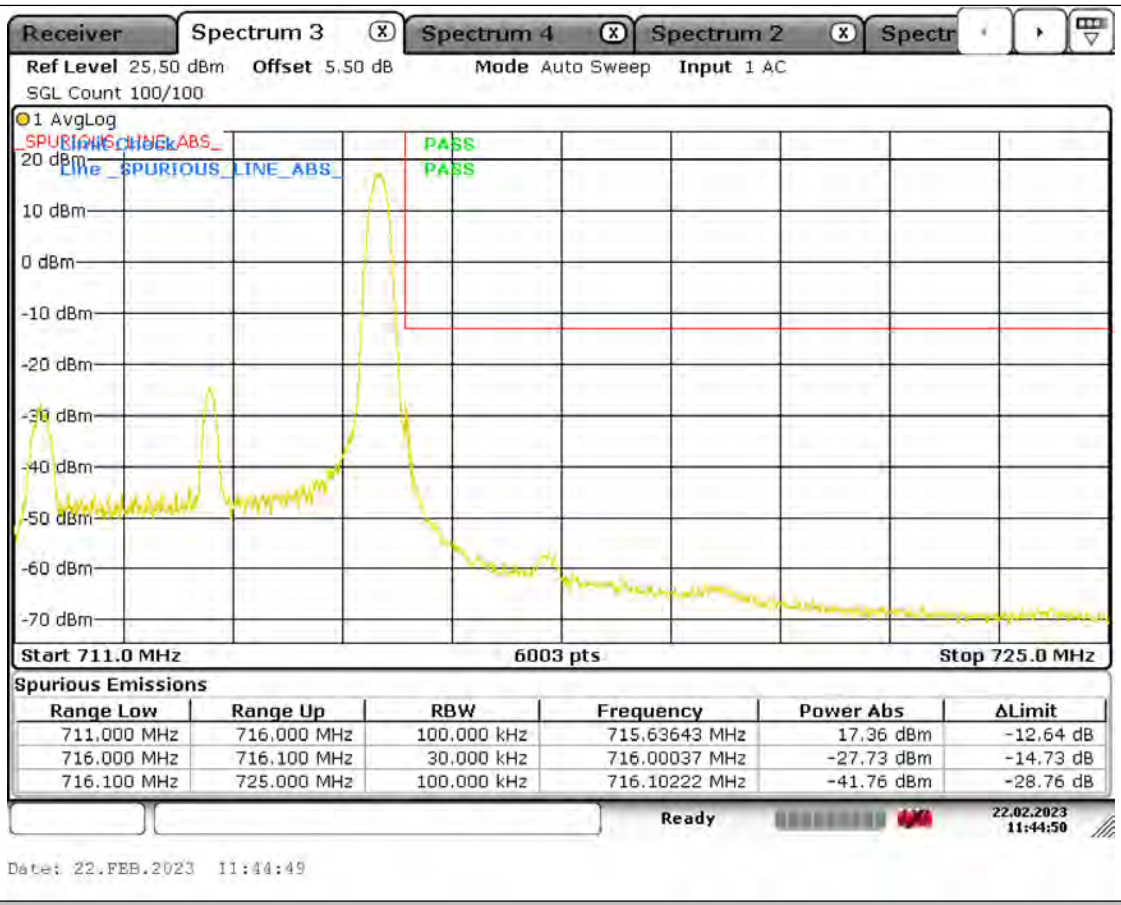
Band12-5MHz-64QAM-23035-1RB#0



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



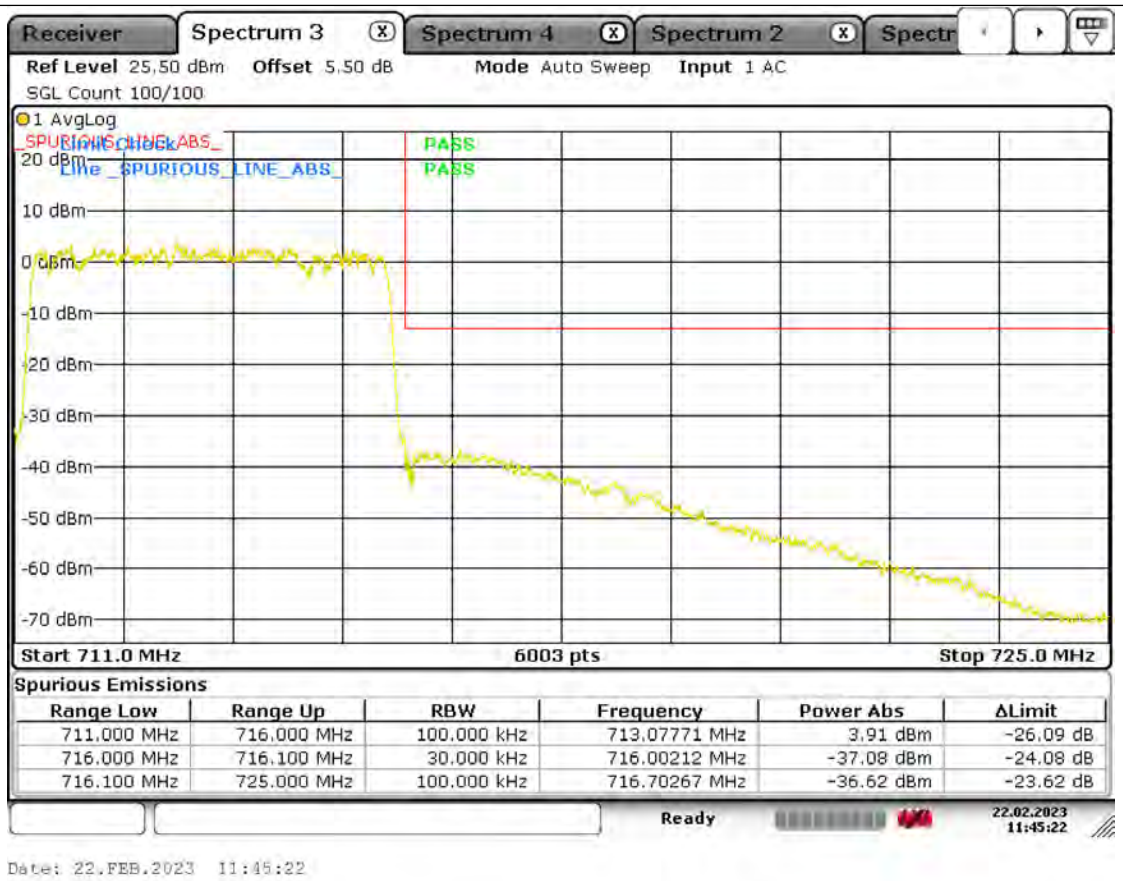
Band12-5MHz-64QAM-23155-1RB#24



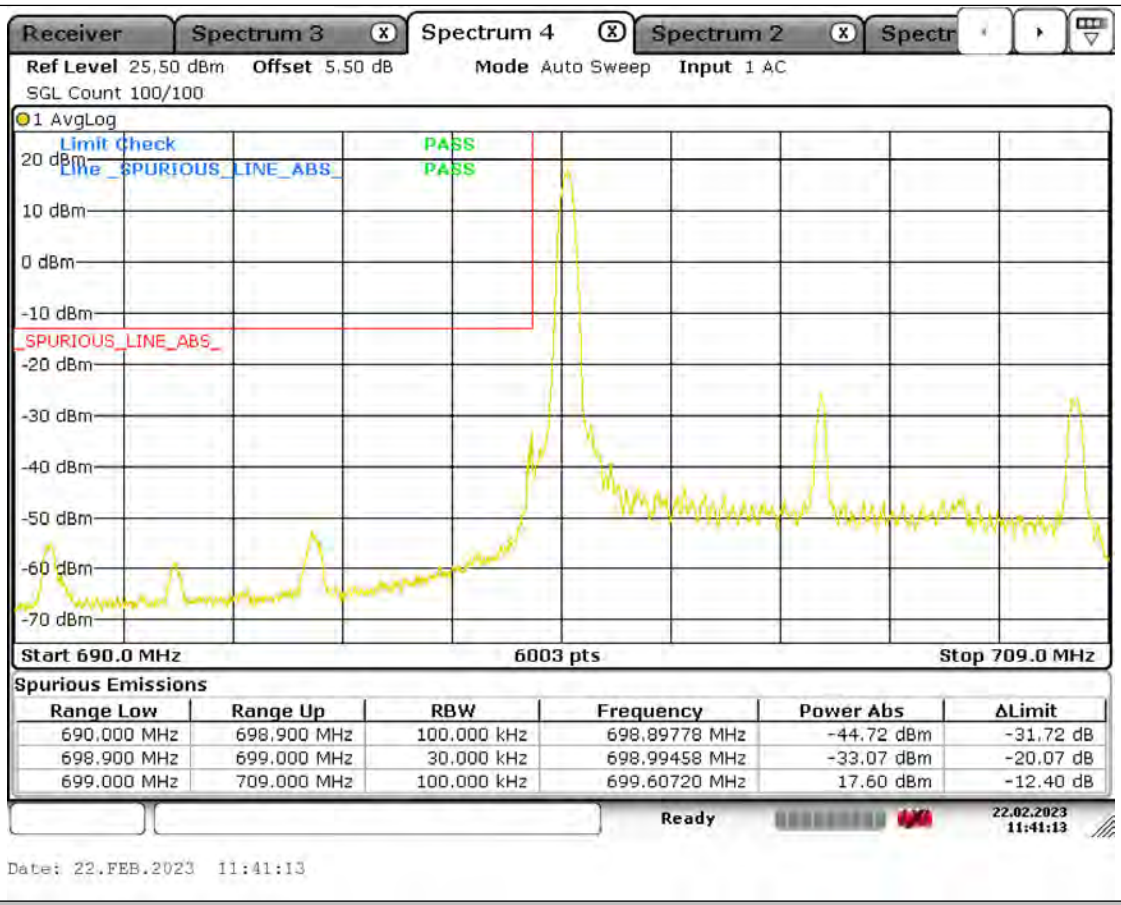
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.63643 MHz	17.36 dBm	-12.64 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00037 MHz	-27.73 dBm	-14.73 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-41.76 dBm	-28.76 dB

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

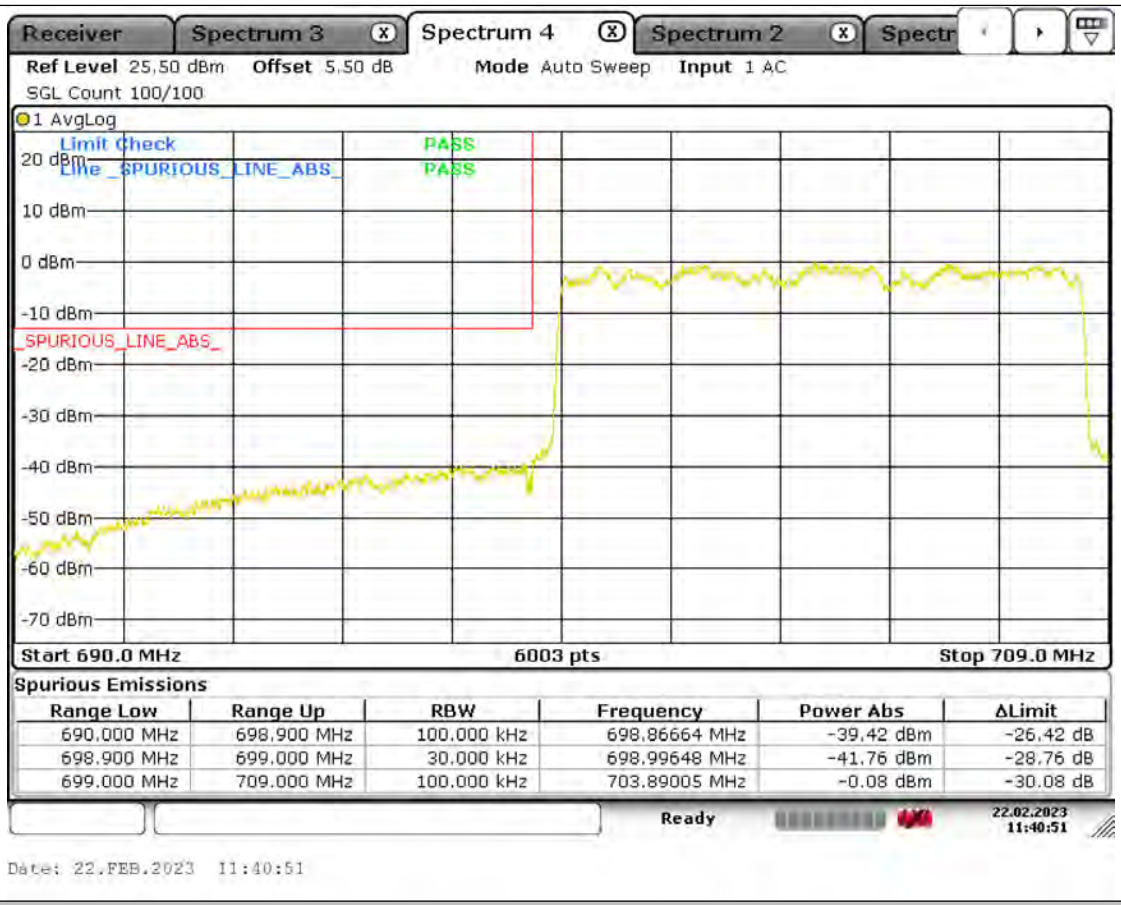


Band12-10MHz-64QAM-23060-1RB#0

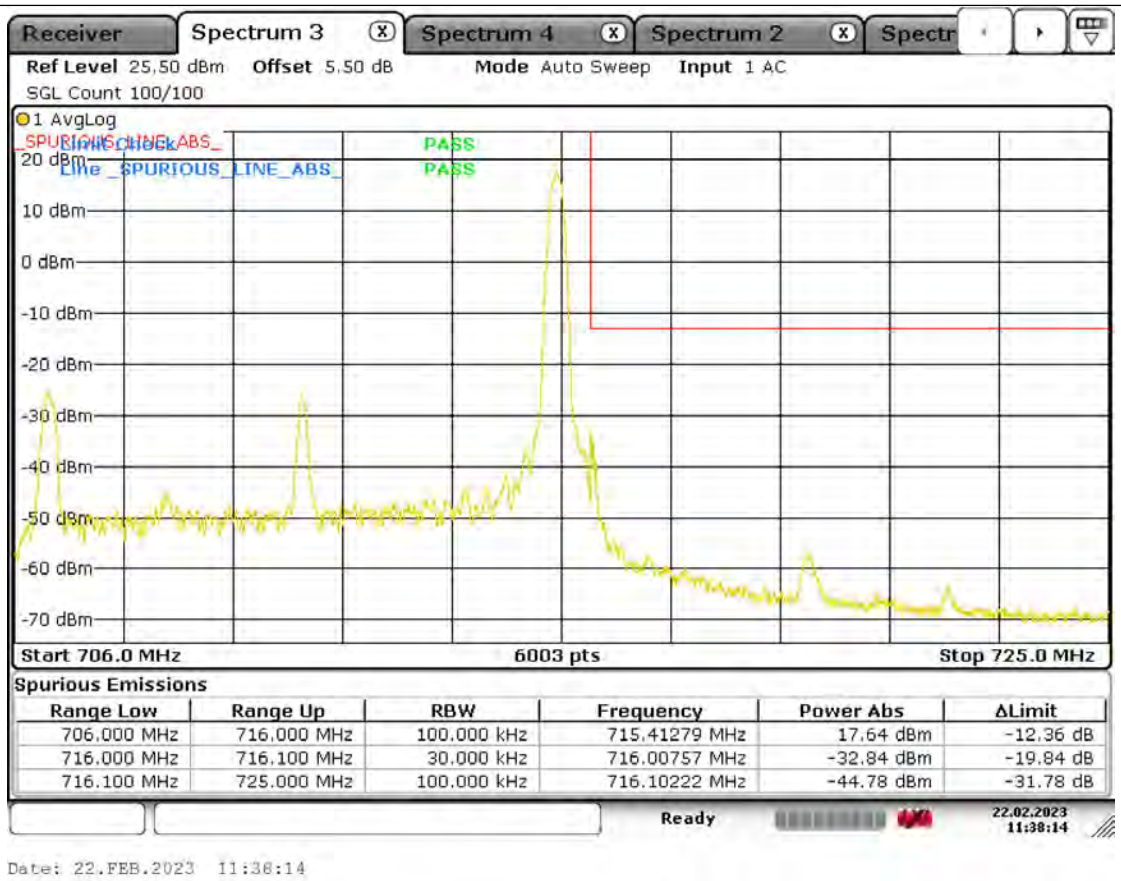


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-44.72 dBm	-31.72 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99458 MHz	-33.07 dBm	-20.07 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60720 MHz	17.60 dBm	-12.40 dB

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



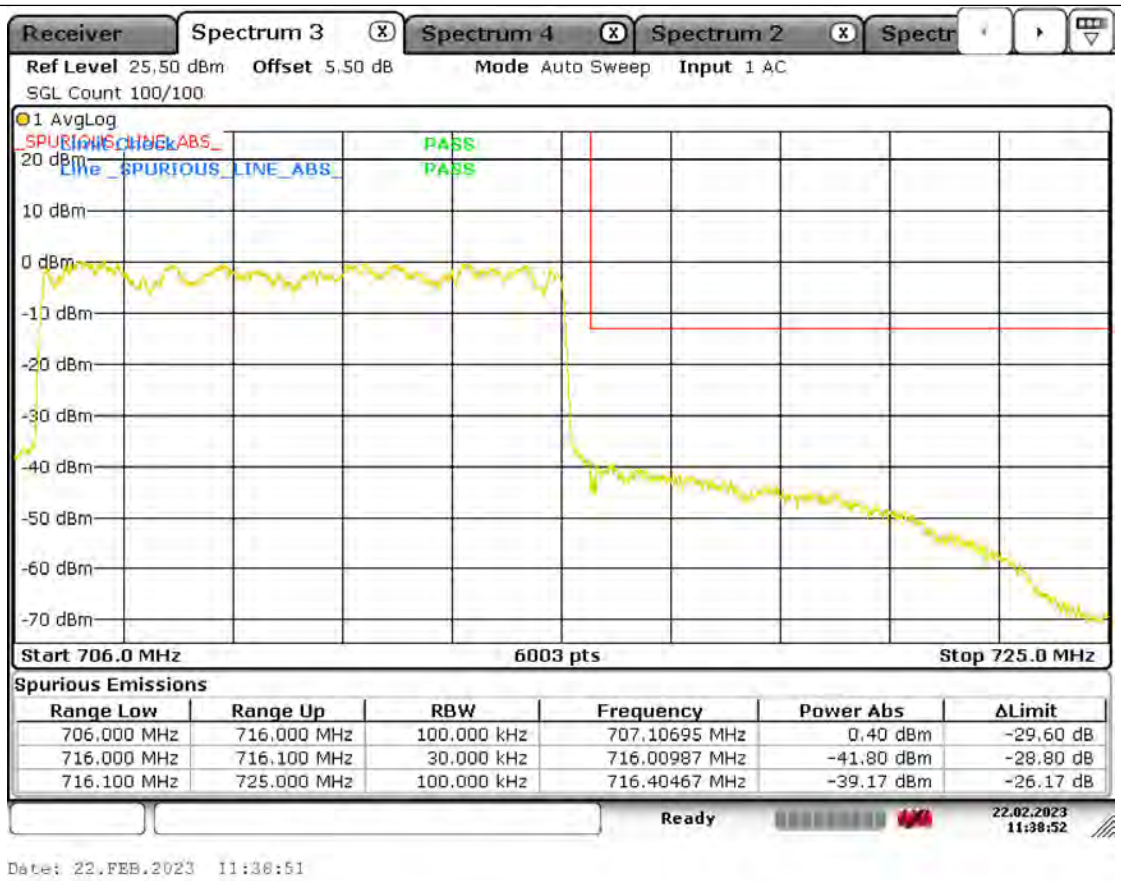
Band12-10MHz-64QAM-23130-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41279 MHz	17.64 dBm	-12.36 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00757 MHz	-32.84 dBm	-19.84 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-44.78 dBm	-31.78 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.10695 MHz	0.40 dBm	-29.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00987 MHz	-41.80 dBm	-28.80 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.40467 MHz	-39.17 dBm	-26.17 dB

CONDUCTED SPURIOUS EMISSION

Test Result

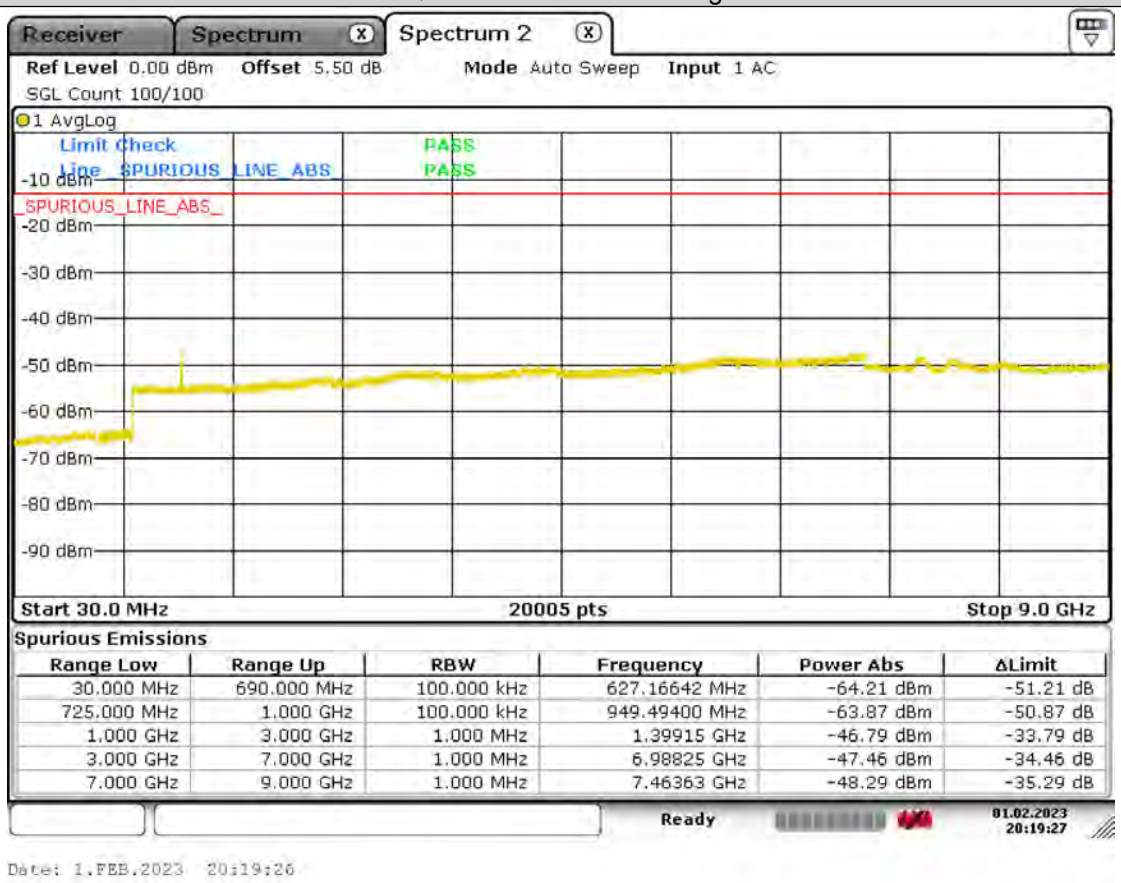
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-63.87	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~9000MHz	-46.79	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.93	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-43.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-63.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~9000MHz	-47.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-64.05	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~9000MHz	-46.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.60	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-45.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-63.71	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~9000MHz	-47.45	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-63.80	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~9000MHz	-45.56	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.79	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-45.31	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-63.51	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~9000MHz	-43.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-63.87	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~9000MHz	-47.36	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-46.96	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-63.91	PASS

Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~9000MHz	-46.27	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-63.80	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~9000MHz	-45.51	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.84	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-46.25	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-63.73	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~9000MHz	-41.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-63.80	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~9000MHz	-46.79	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.20	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~9000MHz	-43.17	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-63.87	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~9000MHz	-45.55	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.71	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-47.46	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-59.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~9000MHz	-45.45	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-63.84	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~9000MHz	-47.04	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.75	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.29	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-59.11	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~9000MHz	-47.50	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-63.84	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~9000MHz	-47.21	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	-47.31	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-63.32	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~9000MHz	-47.08	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range1:30~1000MHz	-63.54	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range2:1000~9000MHz	-47.22	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.74	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.1	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range1:30~1000MHz	-63.85	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range2:1000~9000MHz	-46.78	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range1:30~1000MHz	-63.51	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range2:1000~9000MHz	-47.24	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.82	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.28	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range1:30~1000MHz	-63.54	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range2:1000~9000MHz	-45.66	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~9000MHz	-46.7	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-46.7	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~9000MHz	-45.35	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Spurious Emissions

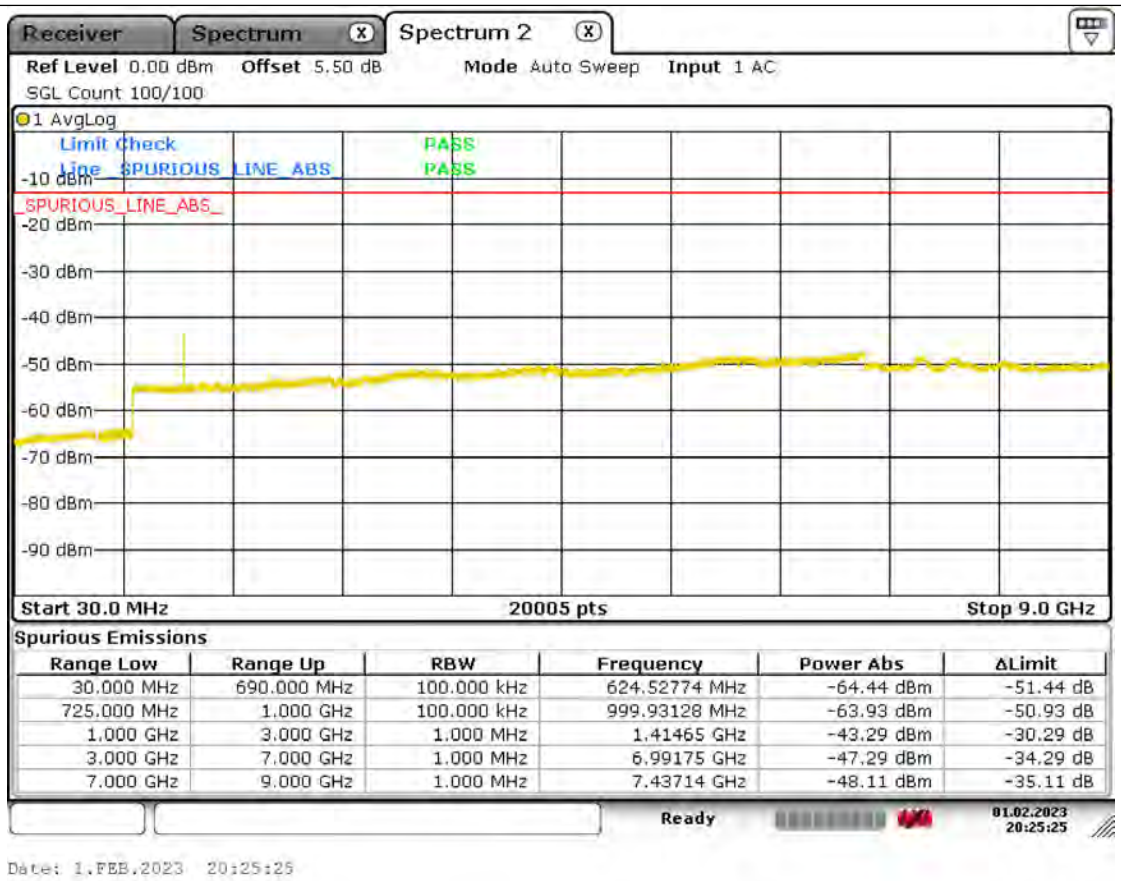
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	949.49400 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-47.46 dBm	-34.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.46363 GHz	-48.29 dBm	-35.29 dB

Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	949.49400 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-47.46 dBm	-34.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.46363 GHz	-48.29 dBm	-35.29 dB

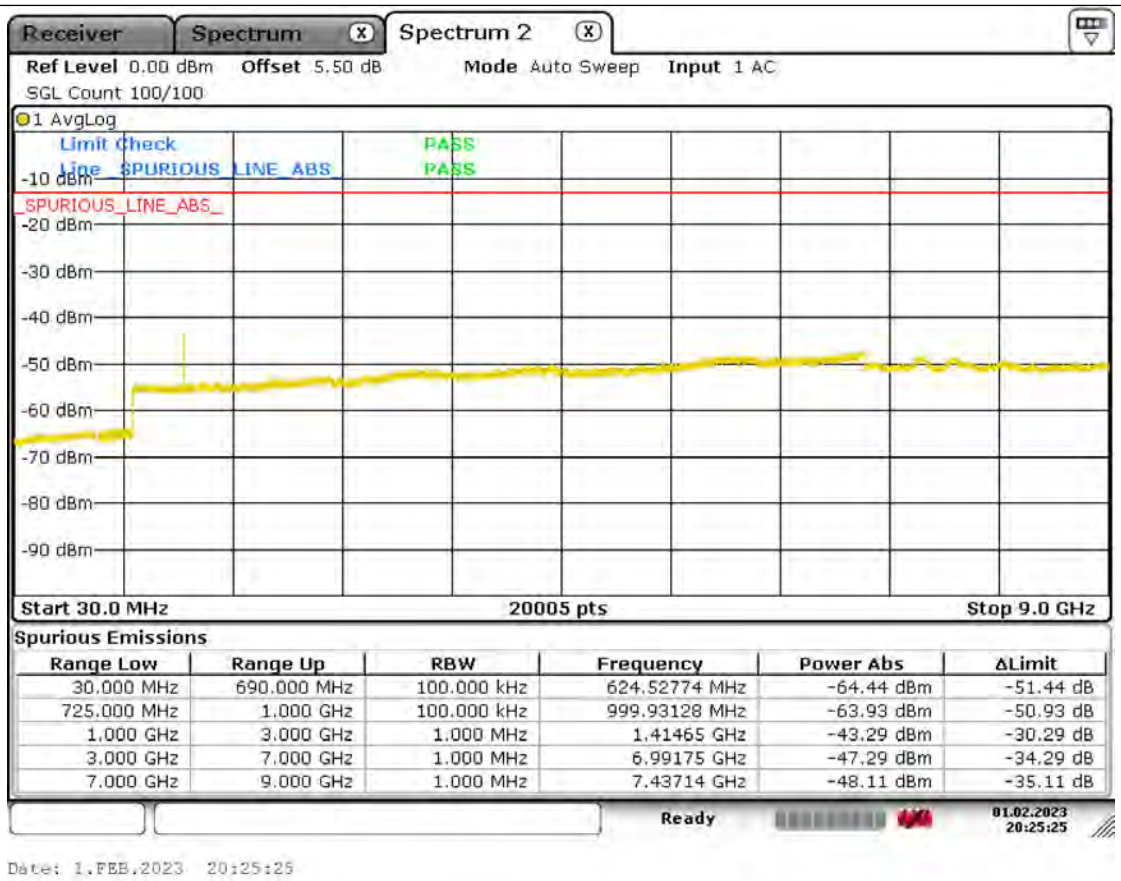
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.44 dBm	-51.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.93128 MHz	-63.93 dBm	-50.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-43.29 dBm	-30.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-47.29 dBm	-34.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-48.11 dBm	-35.11 dB

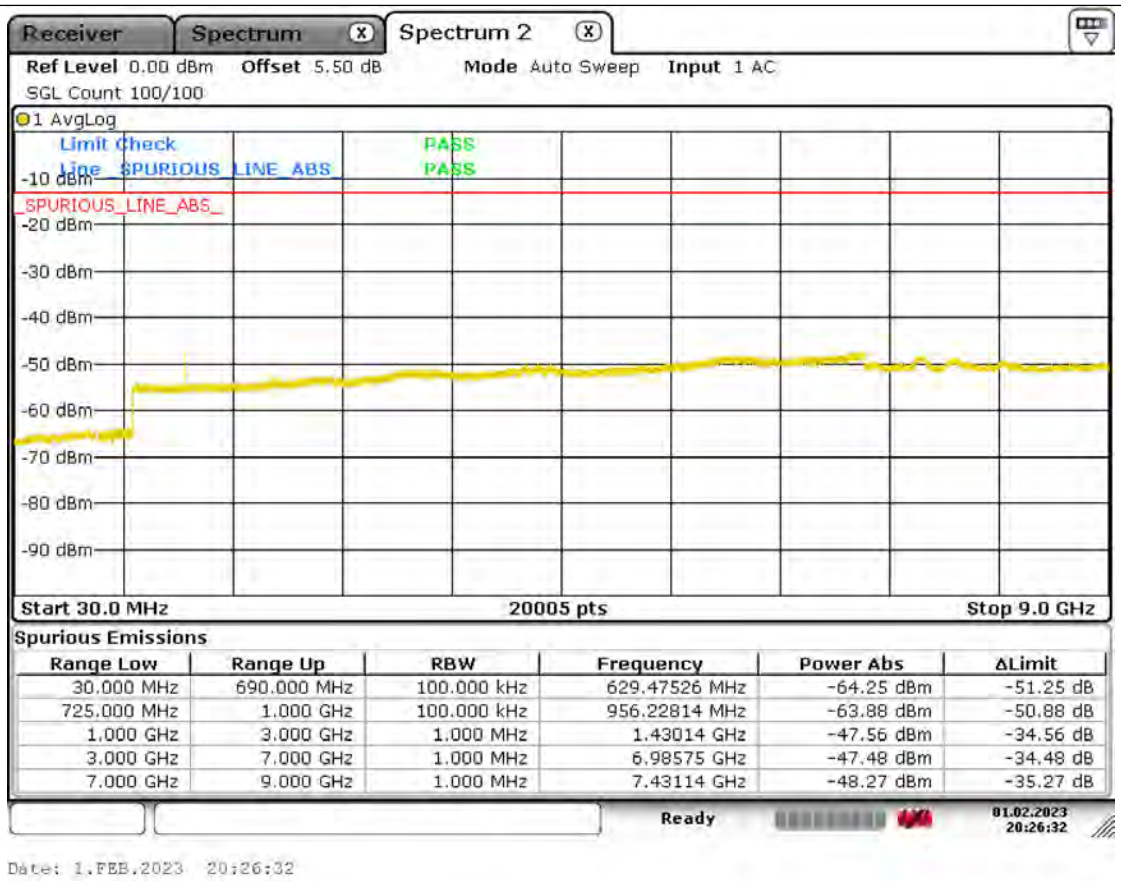
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.44 dBm	-51.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.93128 MHz	-63.93 dBm	-50.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-43.29 dBm	-30.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-47.29 dBm	-34.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-48.11 dBm	-35.11 dB

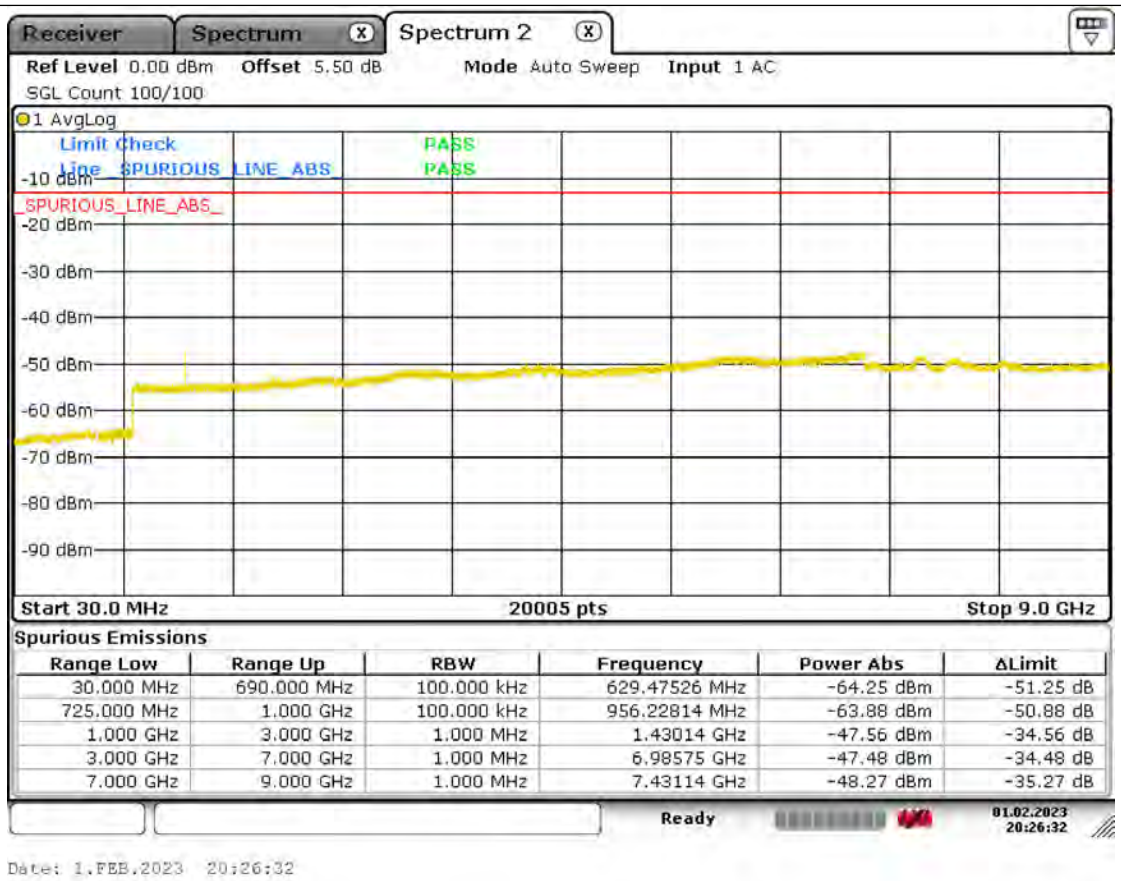
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.47526 MHz	-64.25 dBm	-51.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.22814 MHz	-63.88 dBm	-50.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-47.56 dBm	-34.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-47.48 dBm	-34.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43114 GHz	-48.27 dBm	-35.27 dB

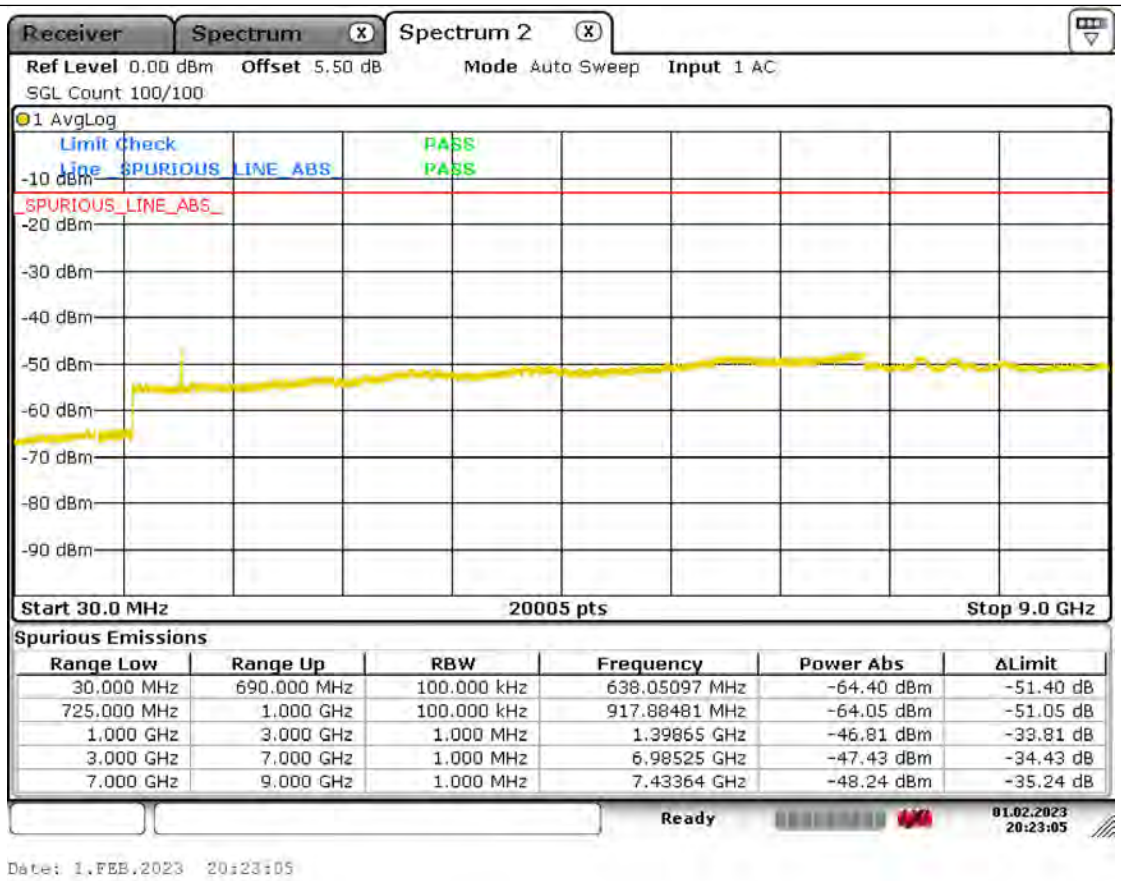
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.47526 MHz	-64.25 dBm	-51.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.22814 MHz	-63.88 dBm	-50.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-47.56 dBm	-34.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-47.48 dBm	-34.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43114 GHz	-48.27 dBm	-35.27 dB

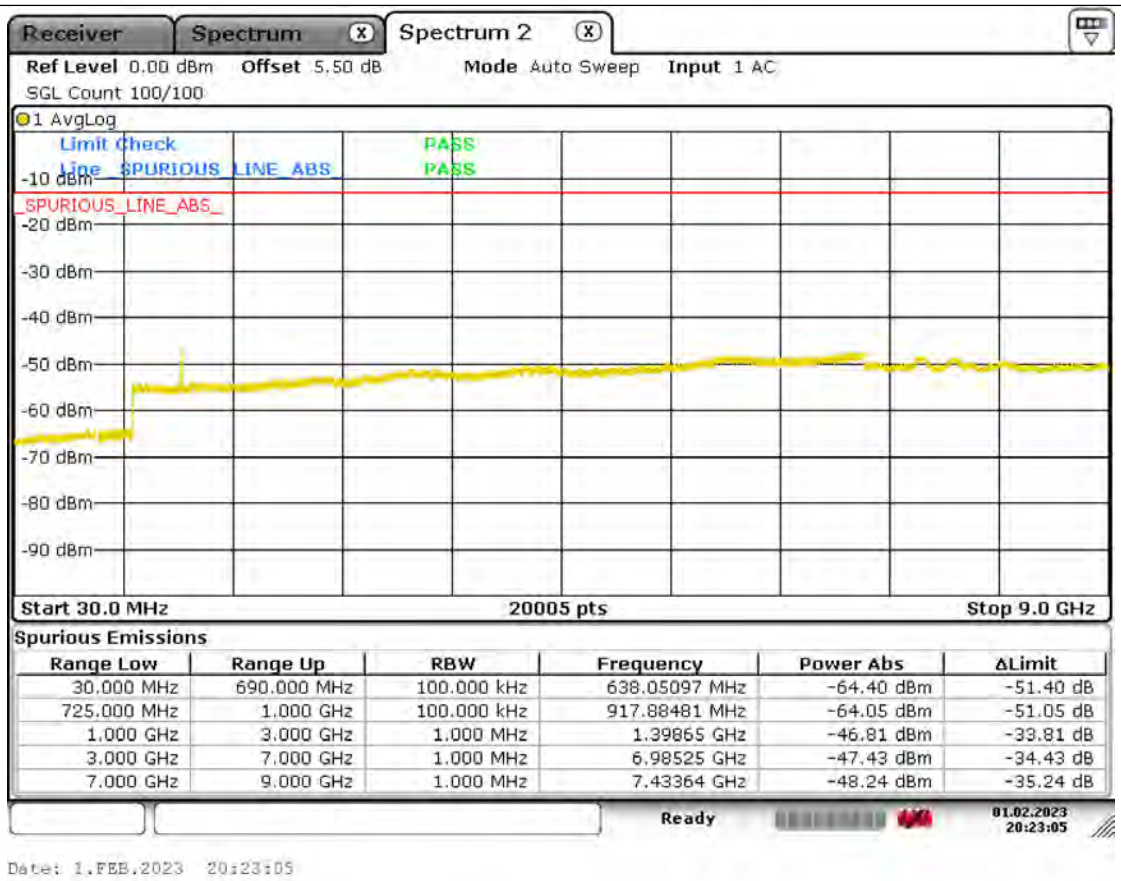
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.40 dBm	-51.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	917.88481 MHz	-64.05 dBm	-51.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.81 dBm	-33.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.43 dBm	-34.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.24 dBm	-35.24 dB

Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.40 dBm	-51.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	917.88481 MHz	-64.05 dBm	-51.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.81 dBm	-33.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.43 dBm	-34.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.24 dBm	-35.24 dB

Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

Spurious Emissions

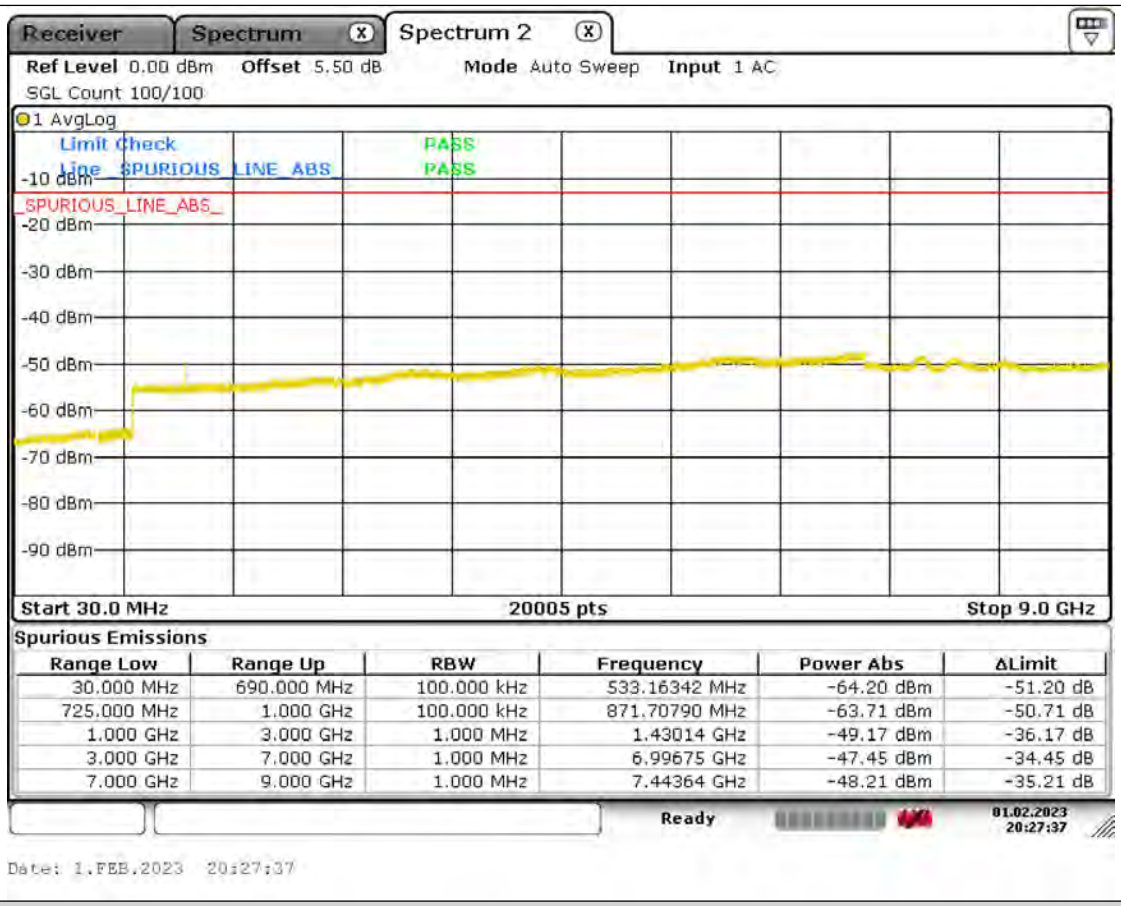
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.80510 MHz	-64.43 dBm	-51.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	889.57396 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.23 dBm	-32.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.47 dBm	-34.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48713 GHz	-48.34 dBm	-35.34 dB

Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.80510 MHz	-64.43 dBm	-51.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	889.57396 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.23 dBm	-32.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.47 dBm	-34.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48713 GHz	-48.34 dBm	-35.34 dB

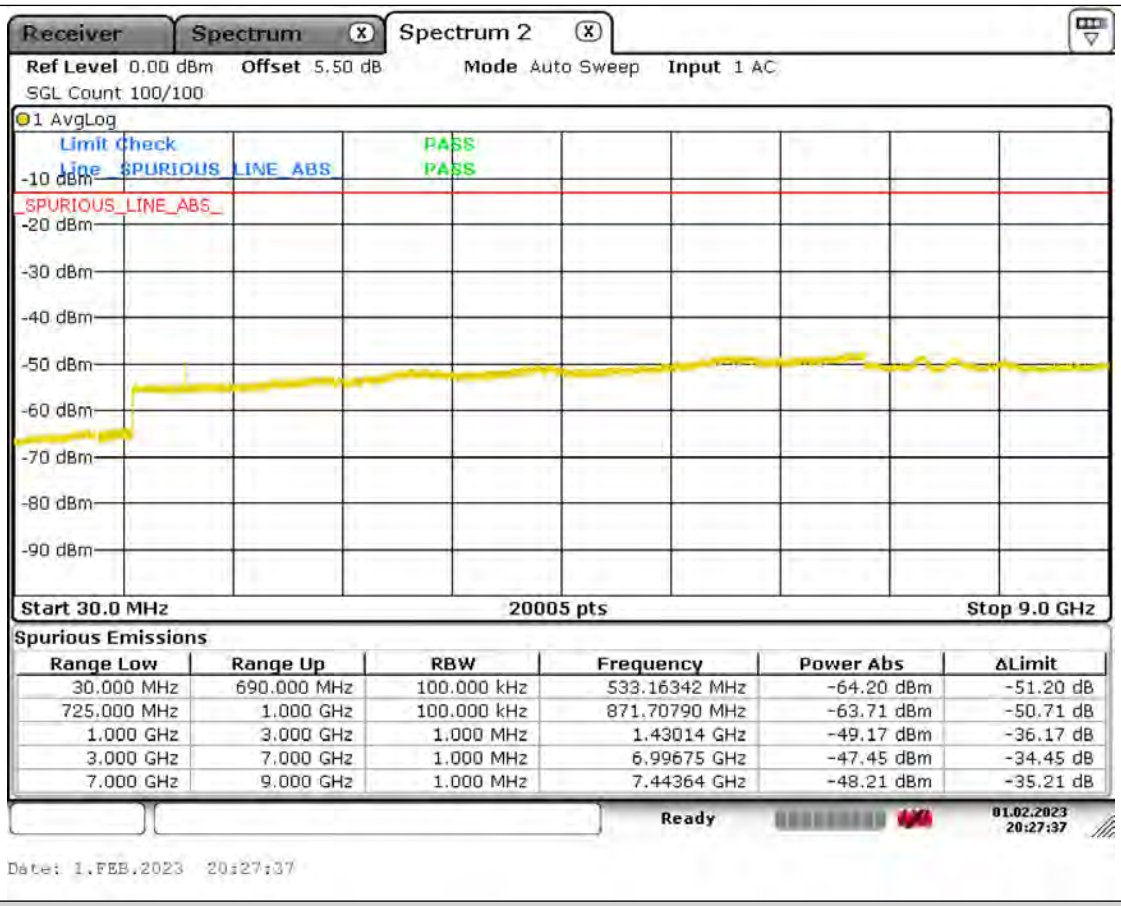
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	533.16342 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.70790 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.17 dBm	-36.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-47.45 dBm	-34.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44364 GHz	-48.21 dBm	-35.21 dB

Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	533.16342 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.70790 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.17 dBm	-36.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-47.45 dBm	-34.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44364 GHz	-48.21 dBm	-35.21 dB

Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz

Spurious Emissions

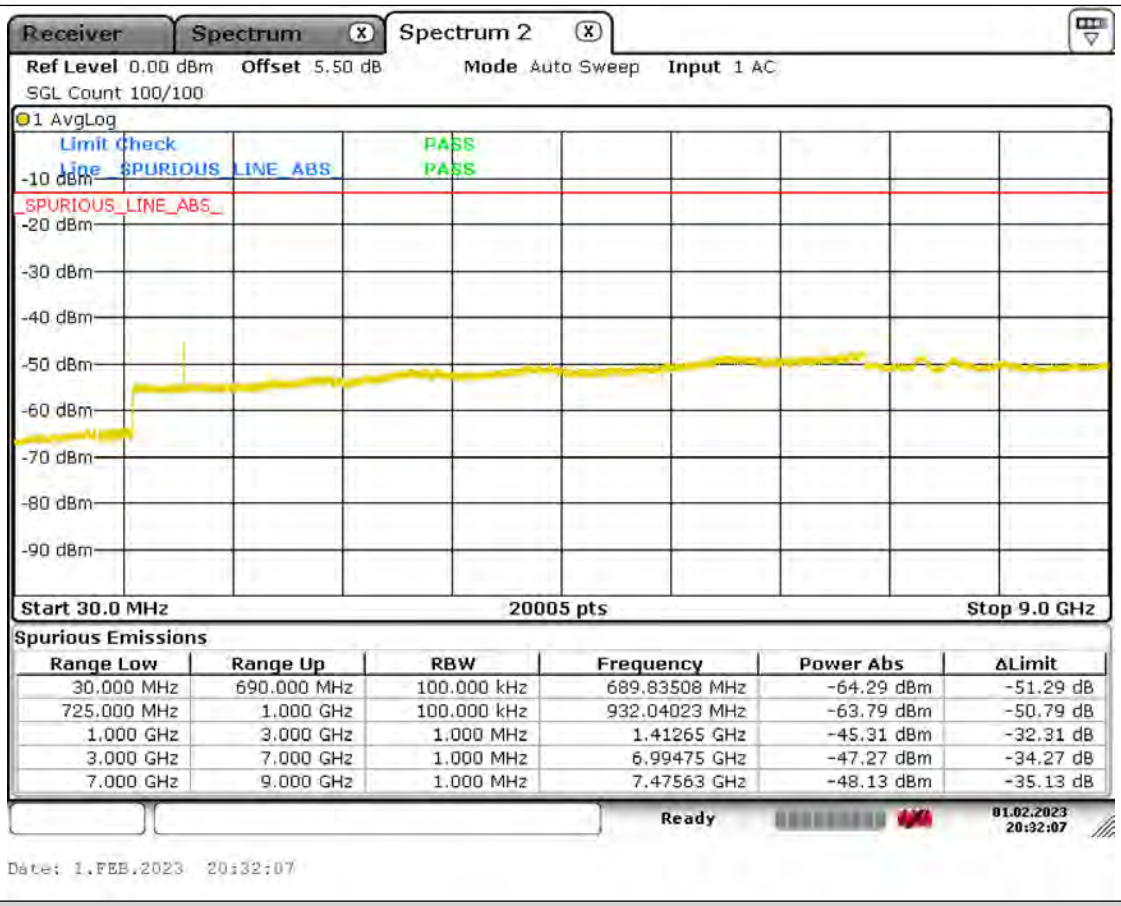
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.91004 MHz	-64.09 dBm	-51.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	897.68241 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.56 dBm	-32.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45014 GHz	-48.46 dBm	-35.46 dB

Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.91004 MHz	-64.09 dBm	-51.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	897.68241 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.56 dBm	-32.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45014 GHz	-48.46 dBm	-35.46 dB

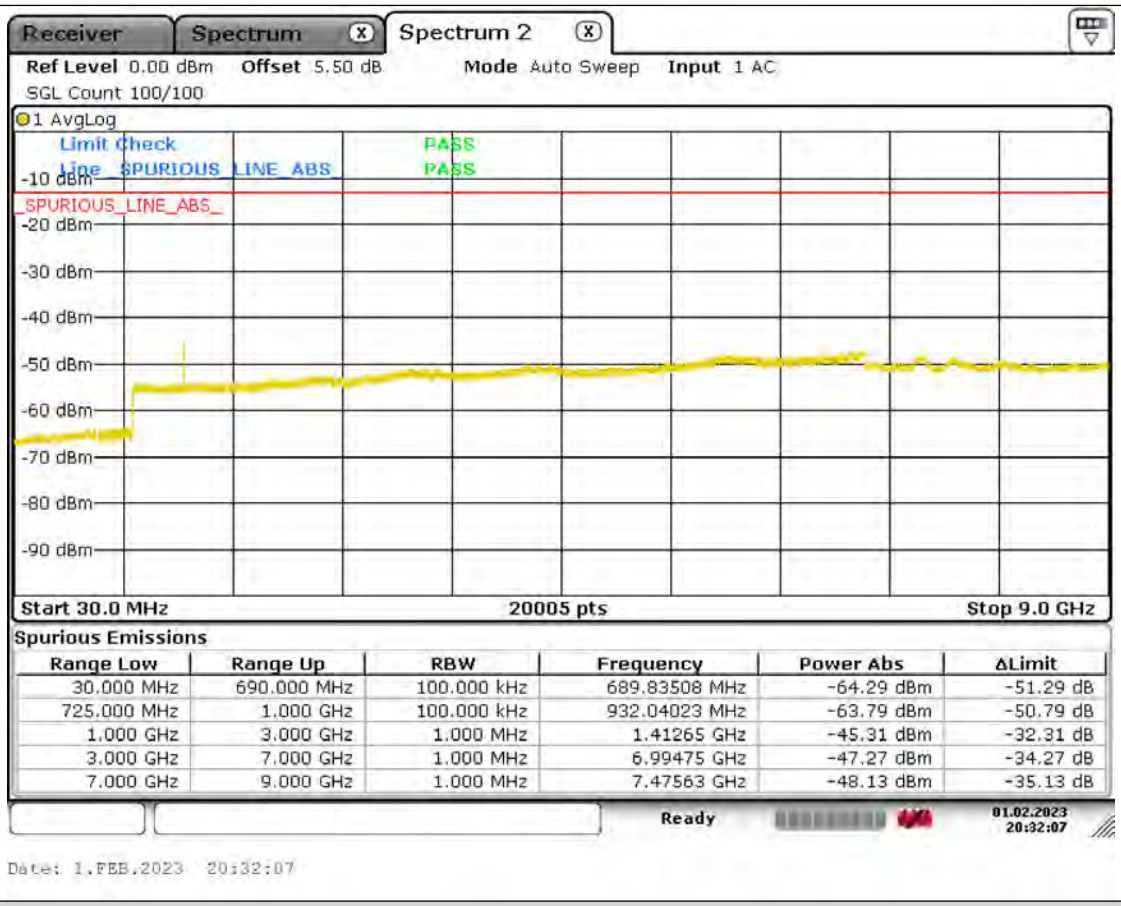
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.29 dBm	-51.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	932.04023 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47563 GHz	-48.13 dBm	-35.13 dB

Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.29 dBm	-51.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	932.04023 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47563 GHz	-48.13 dBm	-35.13 dB

Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz

Spurious Emissions

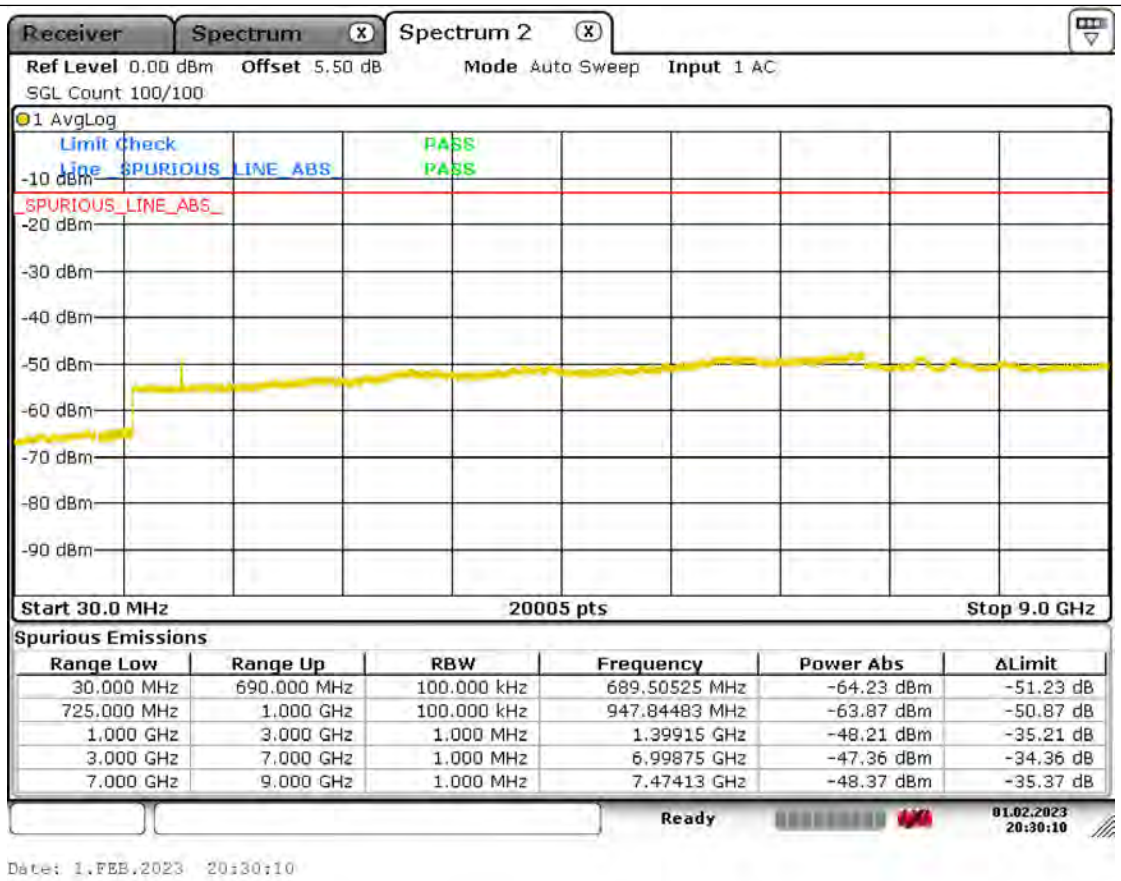
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	635.74213 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.81384 MHz	-63.51 dBm	-50.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-43.77 dBm	-30.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47313 GHz	-48.32 dBm	-35.32 dB

Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	635.74213 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.81384 MHz	-63.51 dBm	-50.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-43.77 dBm	-30.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47313 GHz	-48.32 dBm	-35.32 dB

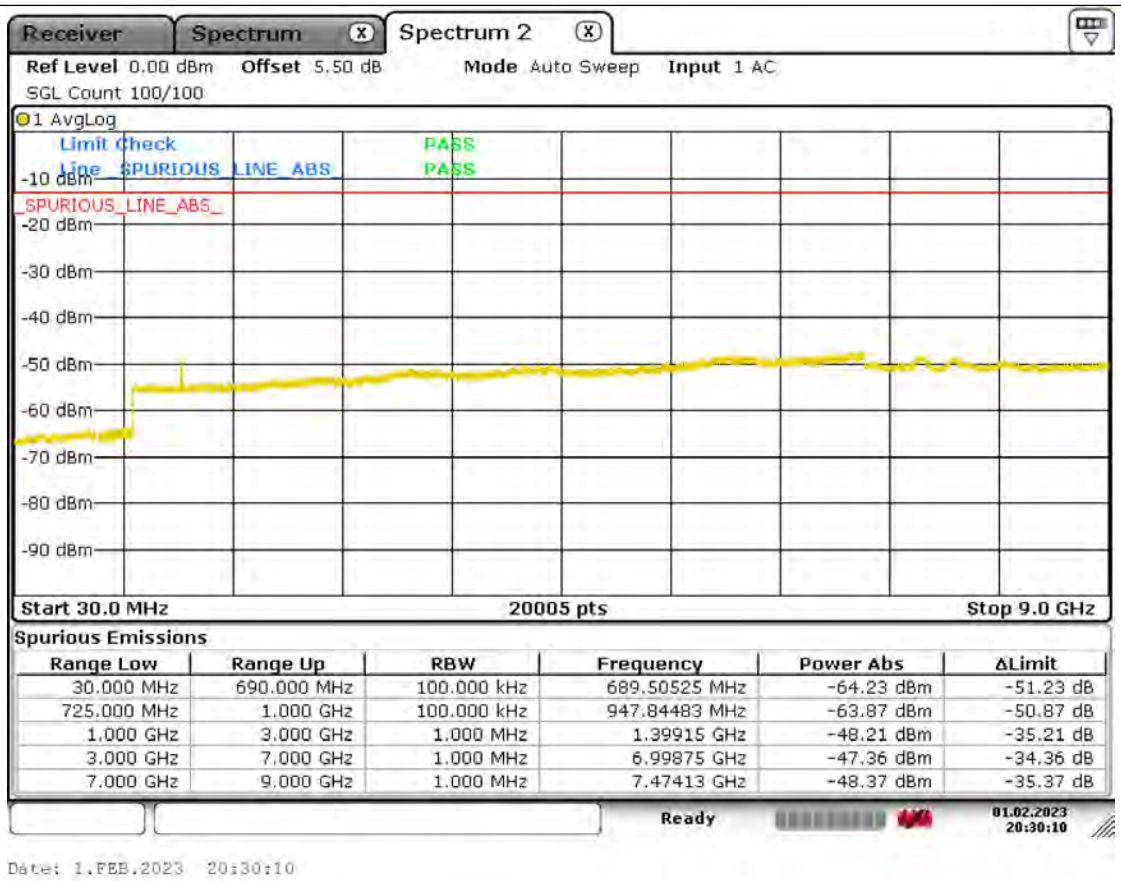
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-64.23 dBm	-51.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	947.84483 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.21 dBm	-35.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47413 GHz	-48.37 dBm	-35.37 dB

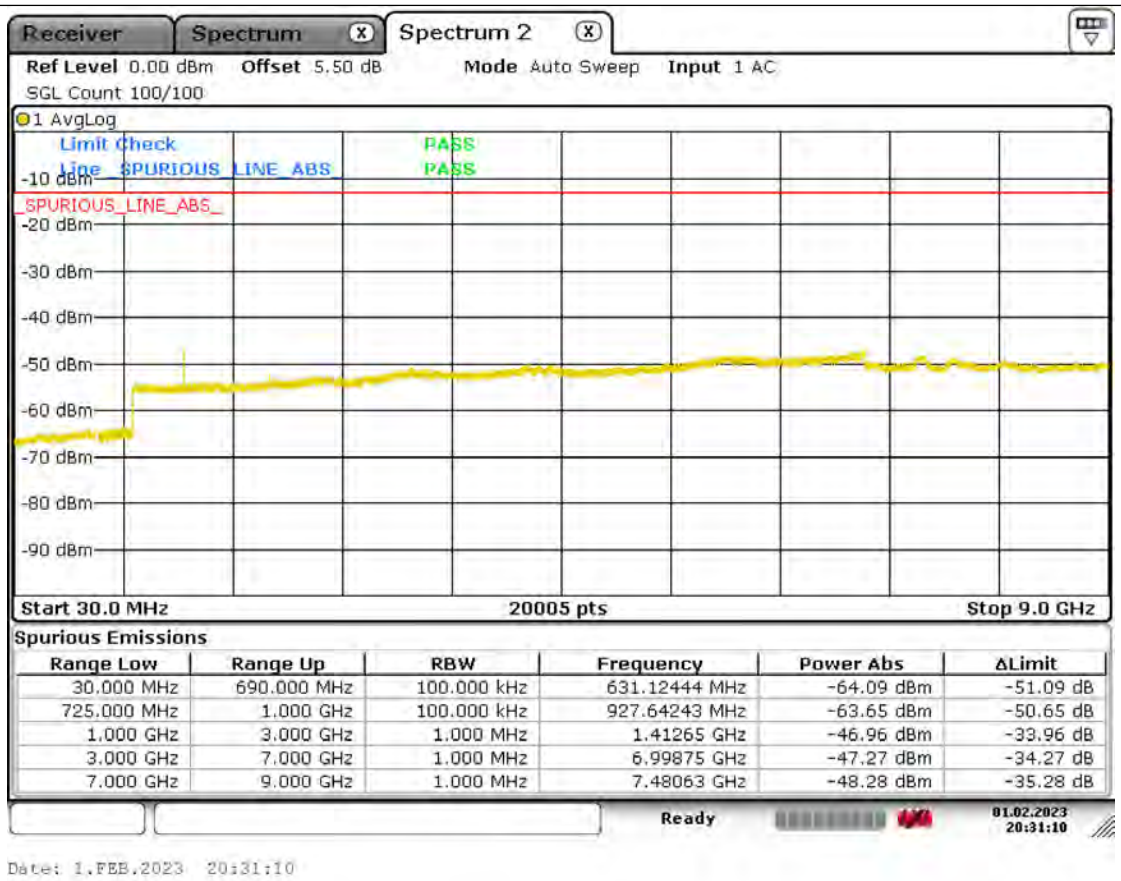
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-64.23 dBm	-51.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	947.84483 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.21 dBm	-35.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47413 GHz	-48.37 dBm	-35.37 dB

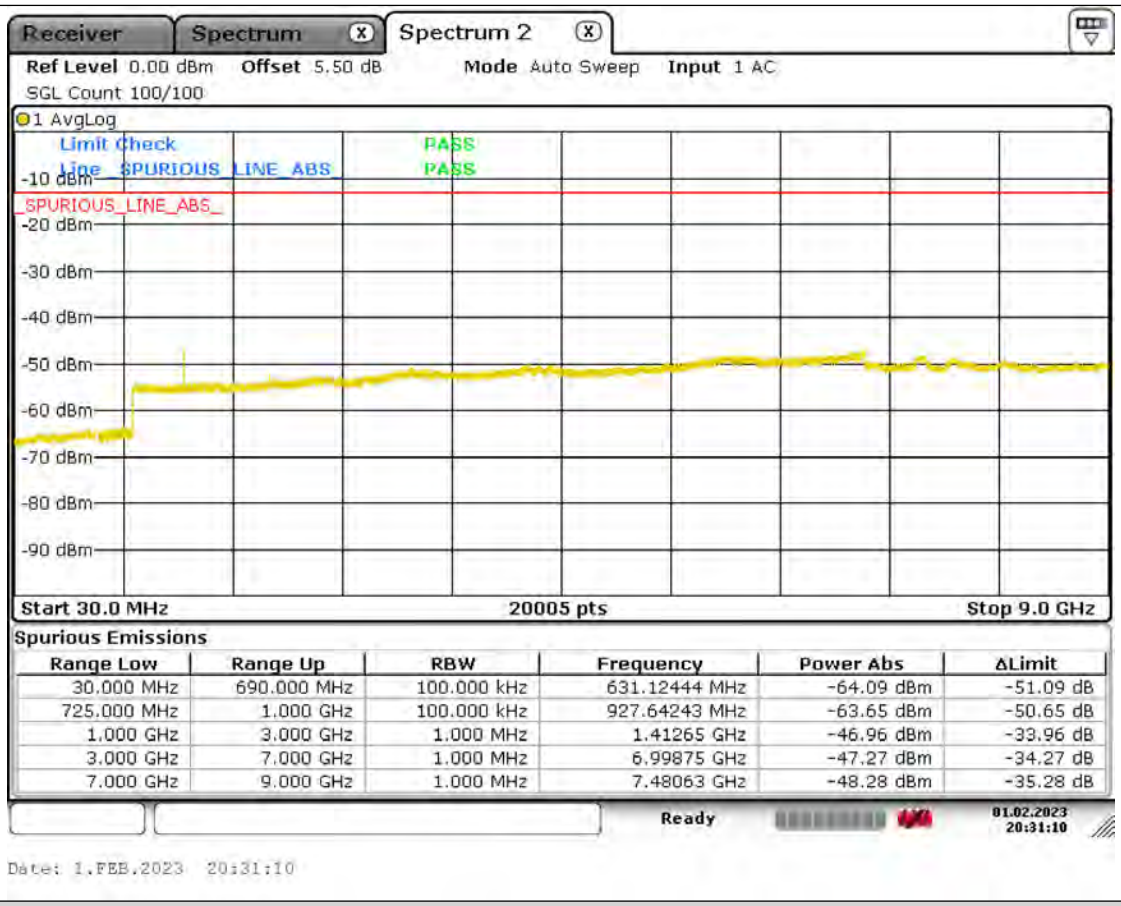
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	631.12444 MHz	-64.09 dBm	-51.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.64243 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.96 dBm	-33.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48063 GHz	-48.28 dBm	-35.28 dB

Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	631.12444 MHz	-64.09 dBm	-51.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.64243 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.96 dBm	-33.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48063 GHz	-48.28 dBm	-35.28 dB

Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.47526 MHz	-64.38 dBm	-51.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.67841 MHz	-63.91 dBm	-50.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48213 GHz	-48.22 dBm	-35.22 dB

Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.47526 MHz	-64.38 dBm	-51.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.67841 MHz	-63.91 dBm	-50.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48213 GHz	-48.22 dBm	-35.22 dB

Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz

Spurious Emissions

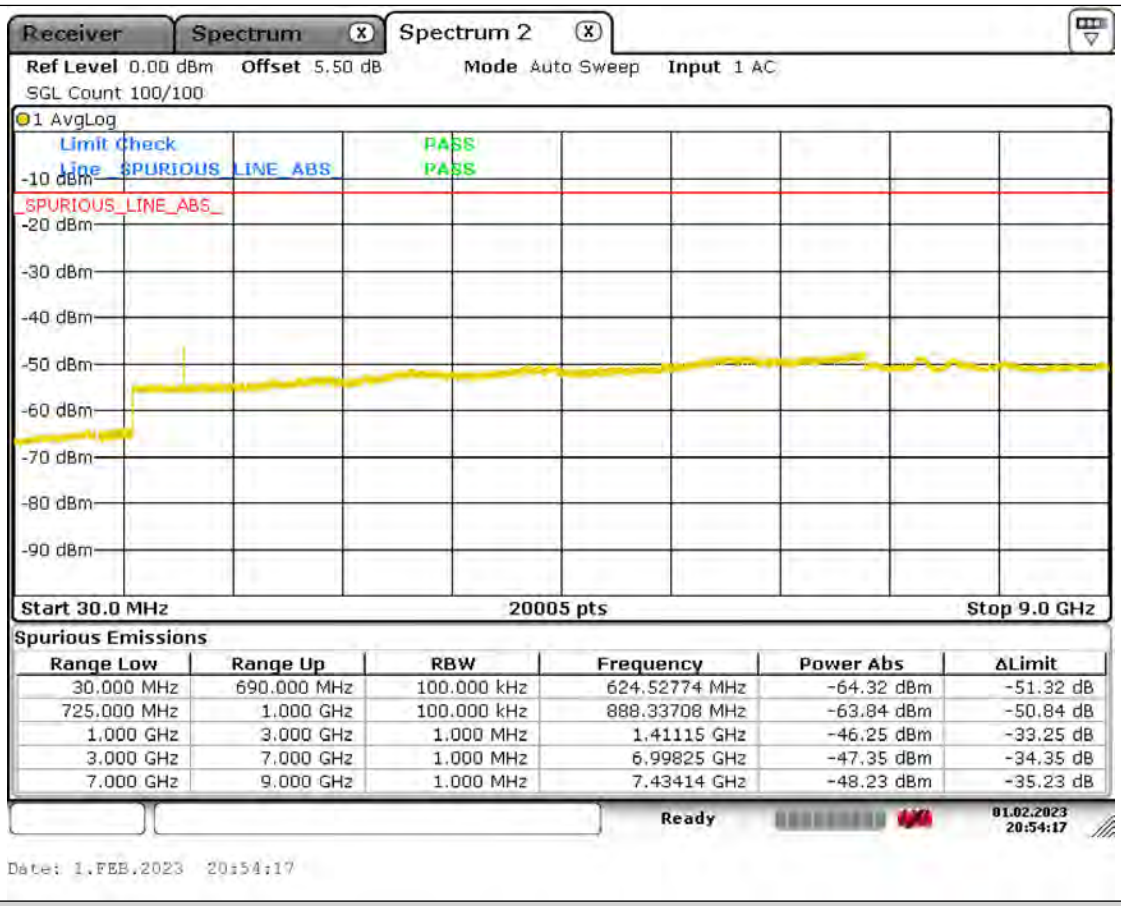
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-64.07 dBm	-51.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.79385 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.51 dBm	-32.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44514 GHz	-48.27 dBm	-35.27 dB

Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-64.07 dBm	-51.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.79385 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.51 dBm	-32.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44514 GHz	-48.27 dBm	-35.27 dB

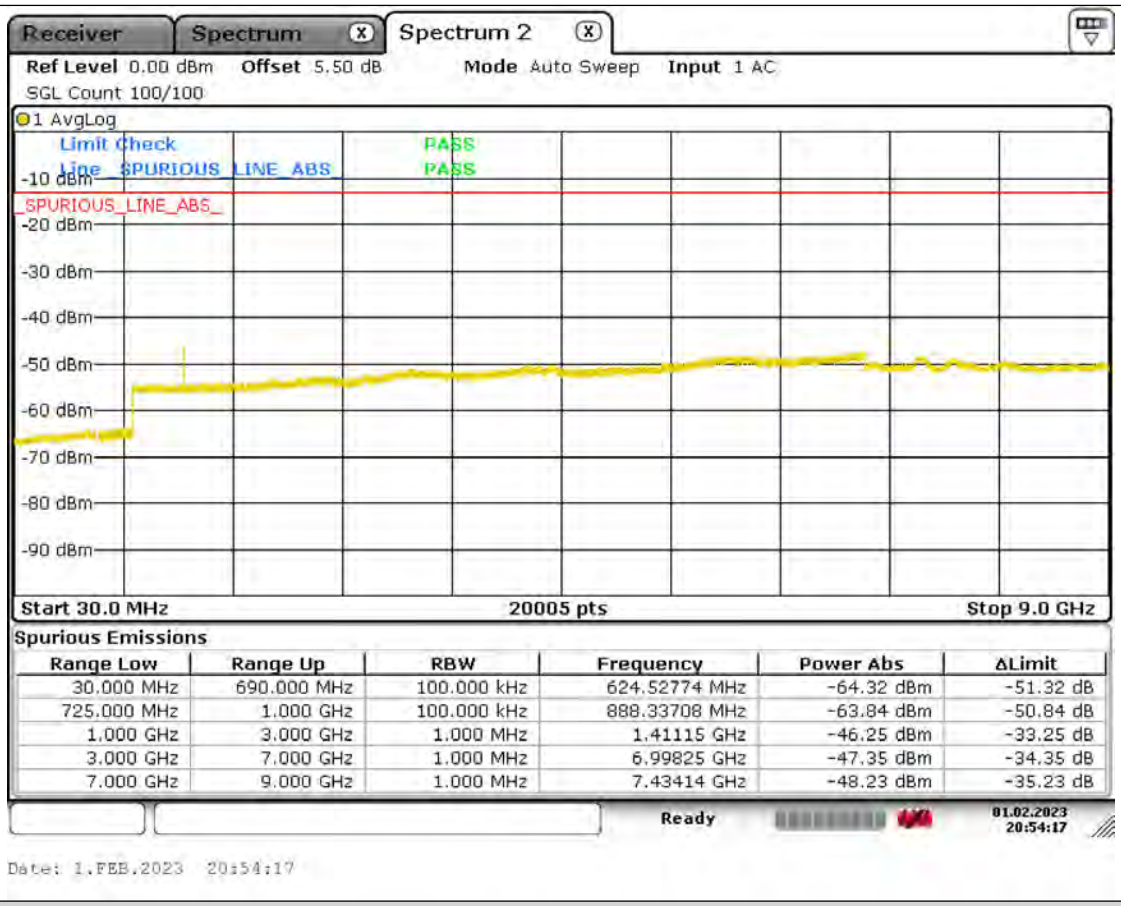
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.32 dBm	-51.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	888.33708 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-47.35 dBm	-34.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.23 dBm	-35.23 dB

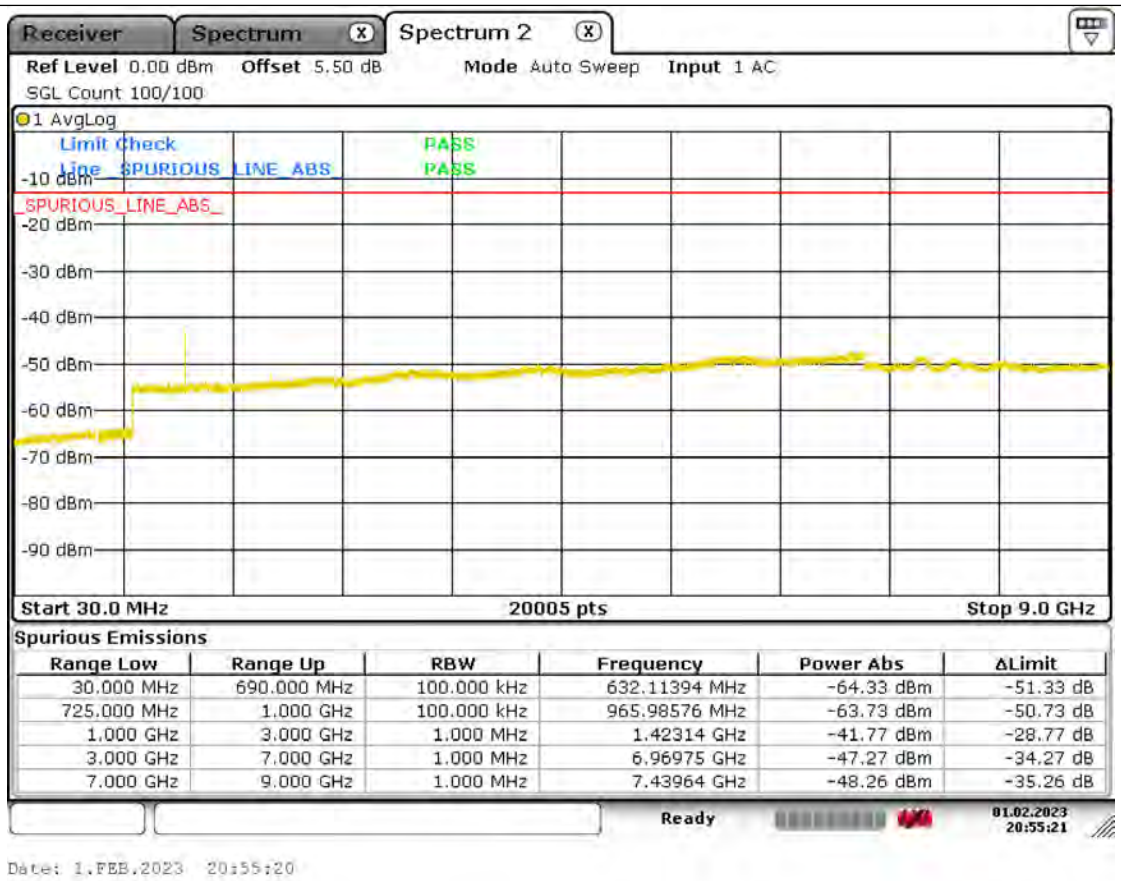
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.32 dBm	-51.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	888.33708 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-47.35 dBm	-34.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.23 dBm	-35.23 dB

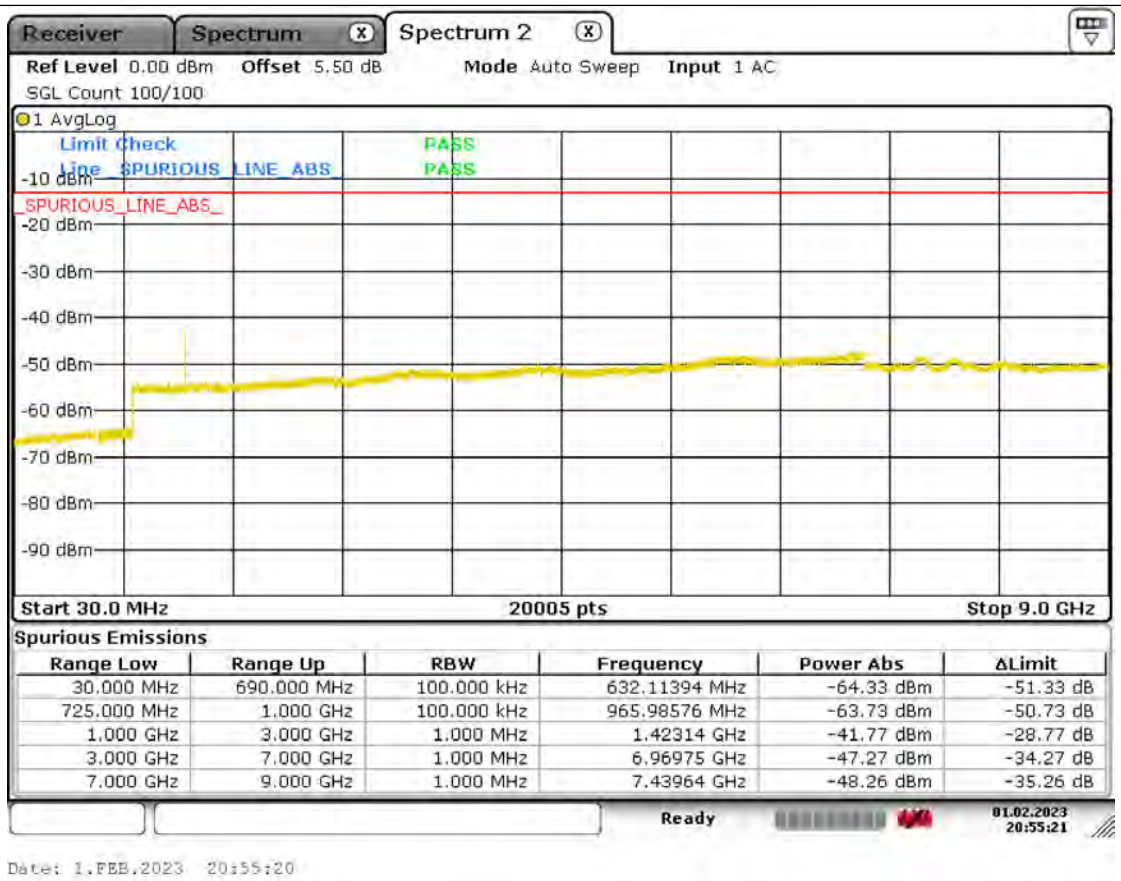
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.11394 MHz	-64.33 dBm	-51.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	965.98576 MHz	-63.73 dBm	-50.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-41.77 dBm	-28.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96975 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43964 GHz	-48.26 dBm	-35.26 dB

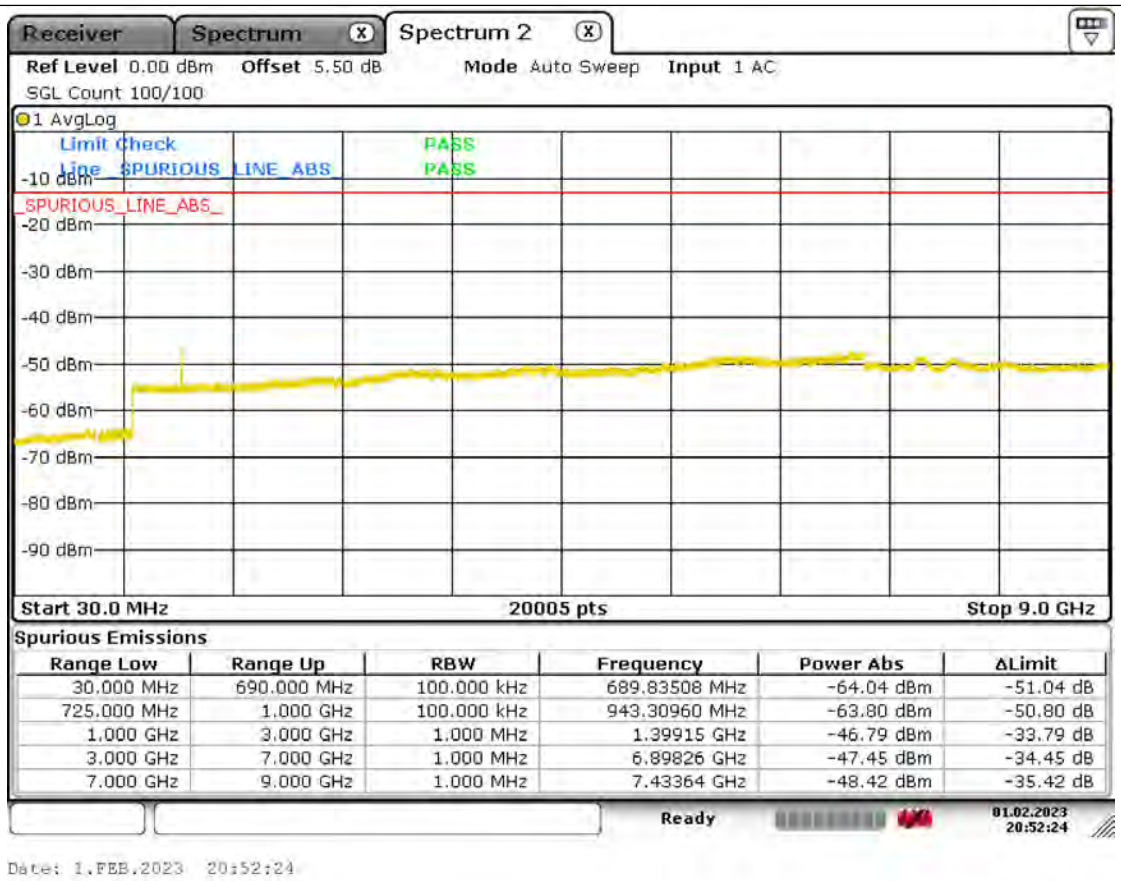
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.11394 MHz	-64.33 dBm	-51.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	965.98576 MHz	-63.73 dBm	-50.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-41.77 dBm	-28.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96975 GHz	-47.27 dBm	-34.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43964 GHz	-48.26 dBm	-35.26 dB

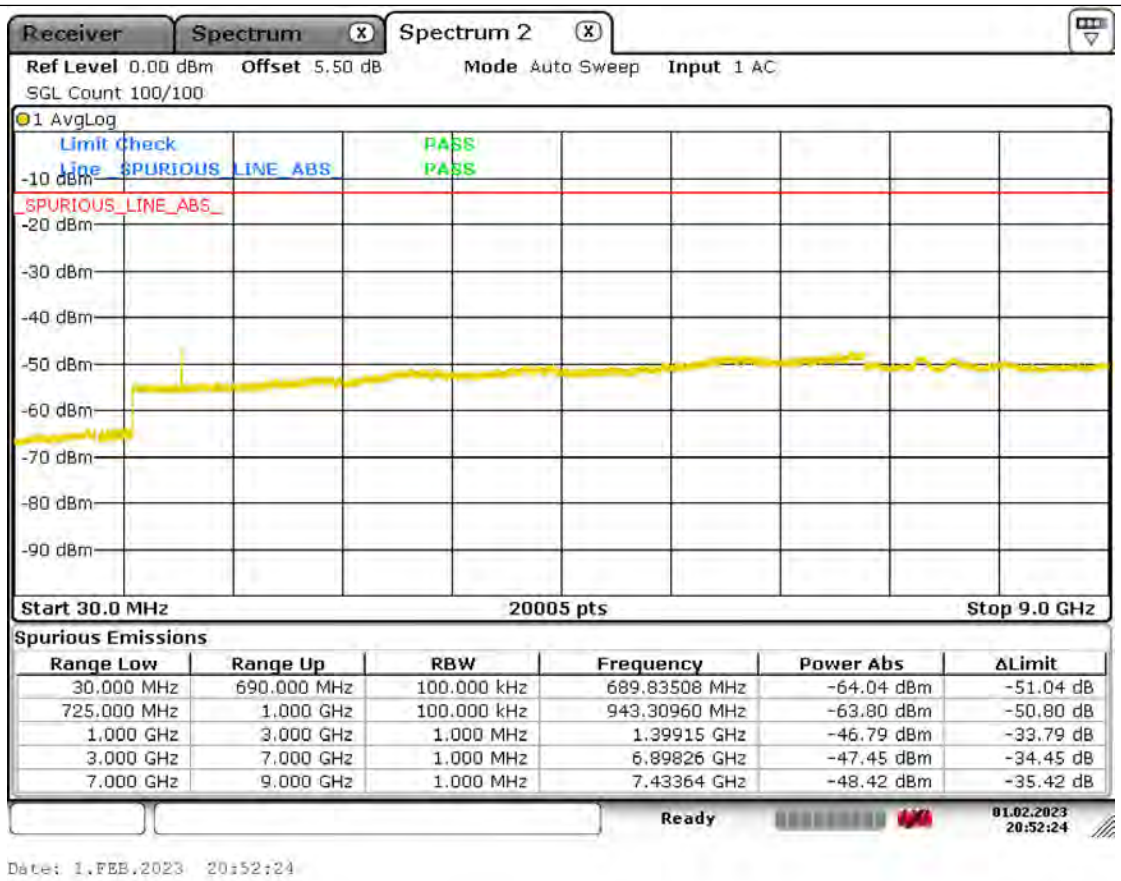
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.04 dBm	-51.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	943.30960 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89826 GHz	-47.45 dBm	-34.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.42 dBm	-35.42 dB

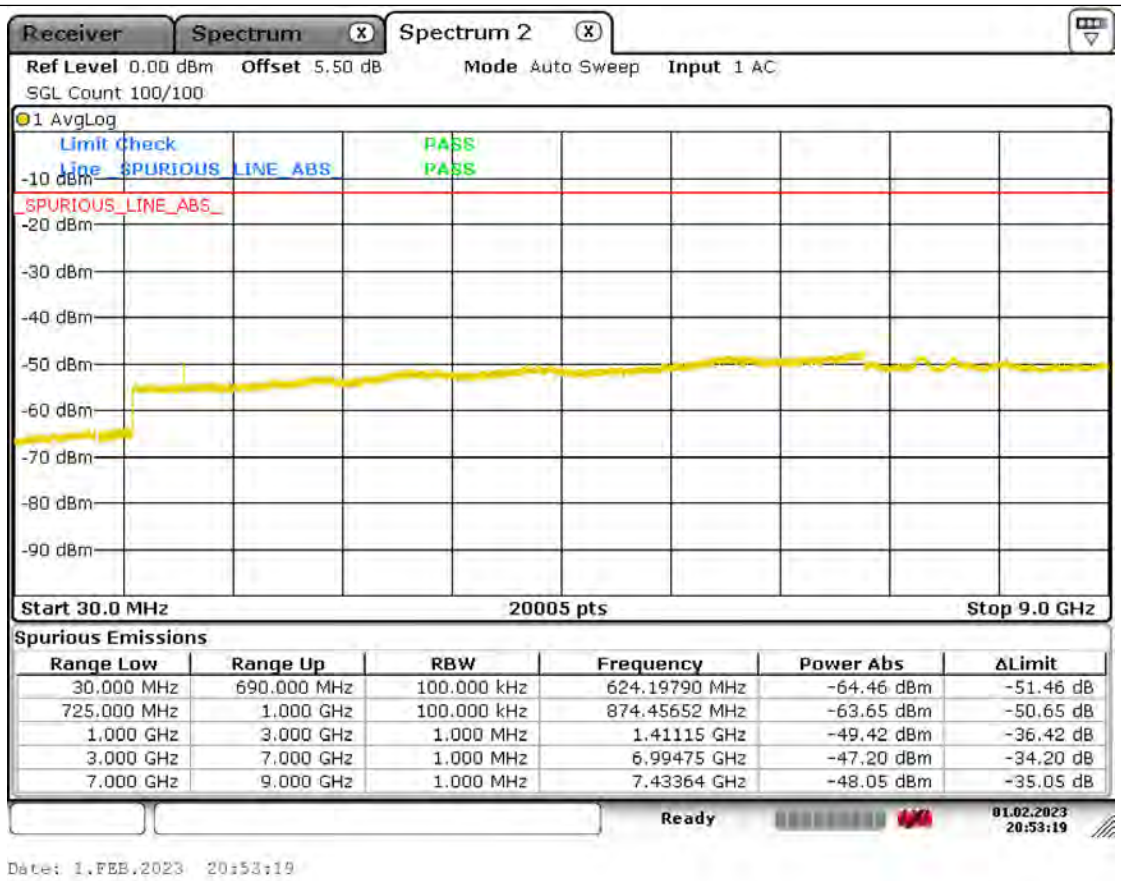
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.04 dBm	-51.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	943.30960 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89826 GHz	-47.45 dBm	-34.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.42 dBm	-35.42 dB

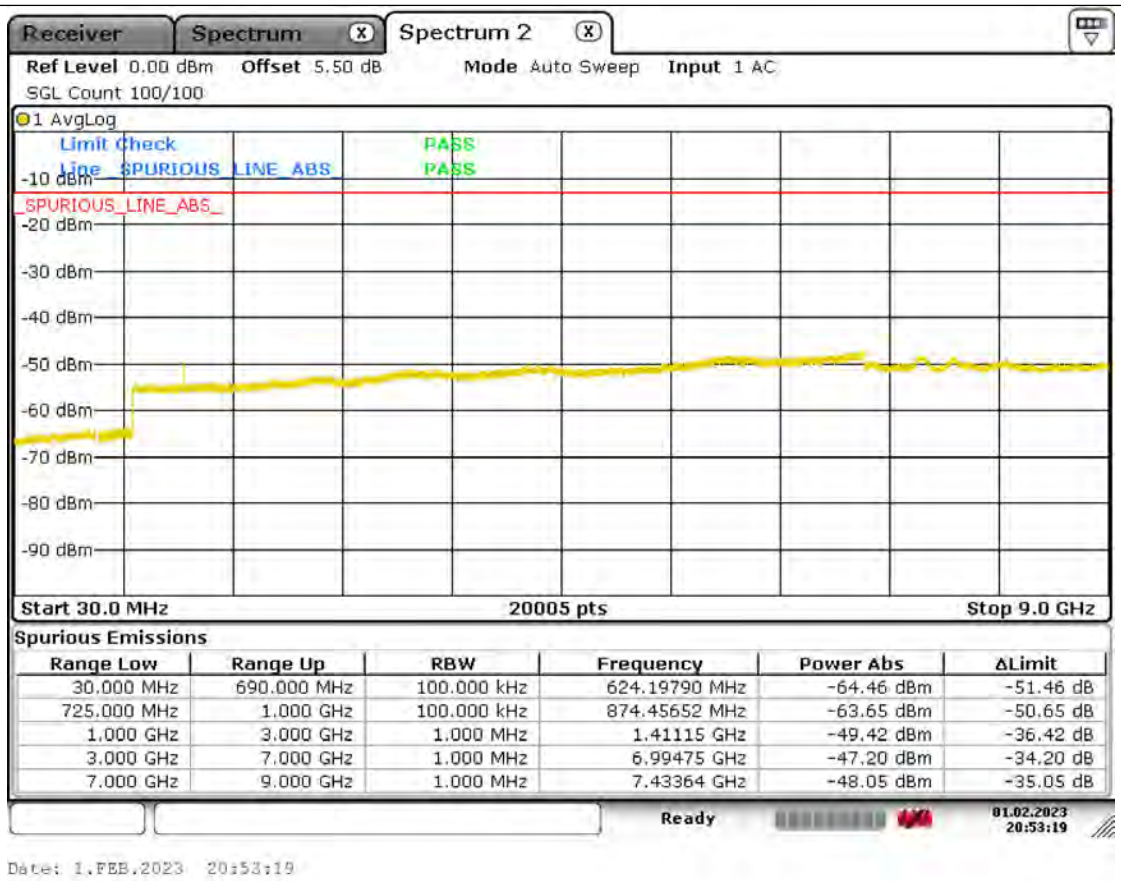
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.19790 MHz	-64.46 dBm	-51.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	874.45652 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.42 dBm	-36.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.20 dBm	-34.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.05 dBm	-35.05 dB

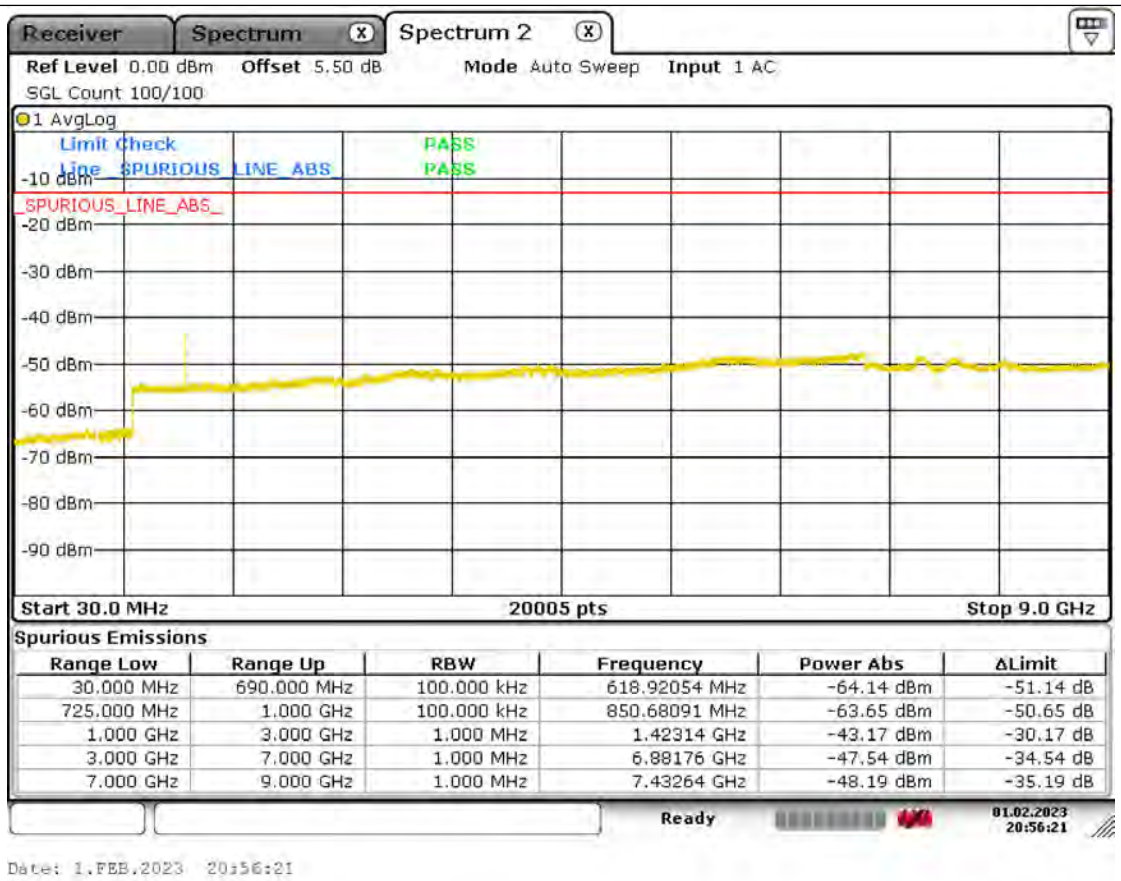
Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.19790 MHz	-64.46 dBm	-51.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	874.45652 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.42 dBm	-36.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.20 dBm	-34.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.05 dBm	-35.05 dB

Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



Spurious Emissions

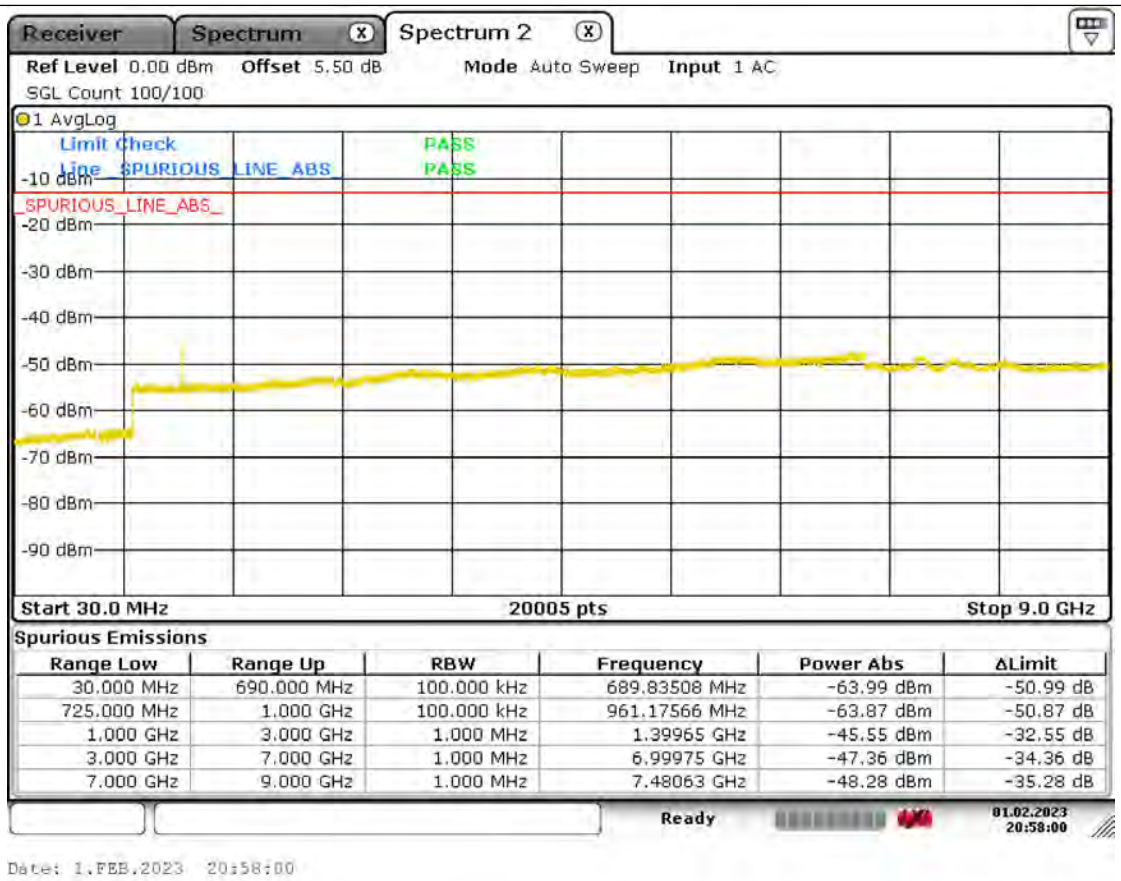
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.92054 MHz	-64.14 dBm	-51.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	850.68091 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.17 dBm	-30.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88176 GHz	-47.54 dBm	-34.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43264 GHz	-48.19 dBm	-35.19 dB

Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.92054 MHz	-64.14 dBm	-51.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	850.68091 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.17 dBm	-30.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88176 GHz	-47.54 dBm	-34.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43264 GHz	-48.19 dBm	-35.19 dB

Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.99 dBm	-50.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.17566 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.55 dBm	-32.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48063 GHz	-48.28 dBm	-35.28 dB

Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~9000MHz

Spurious Emissions

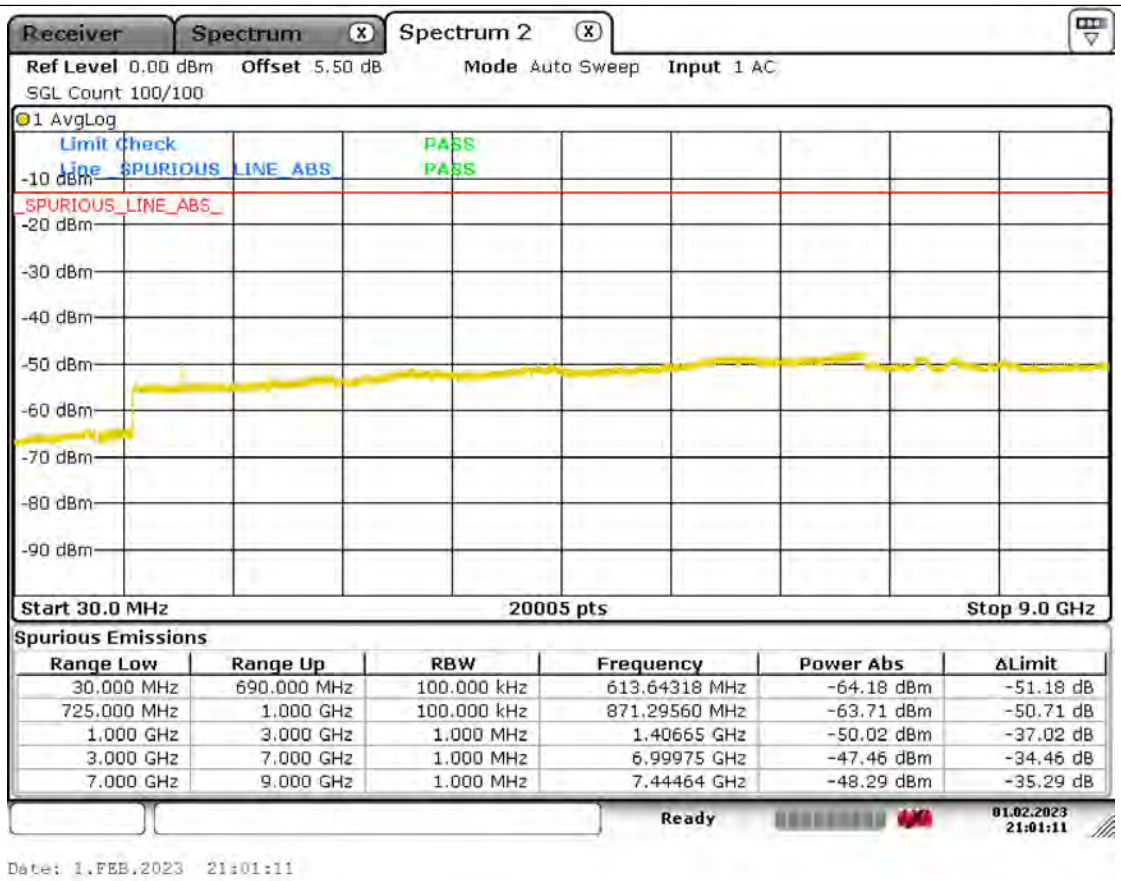
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.99 dBm	-50.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.17566 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.55 dBm	-32.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48063 GHz	-48.28 dBm	-35.28 dB

Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	613.64318 MHz	-64.18 dBm	-51.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.29560 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-50.02 dBm	-37.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.46 dBm	-34.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44464 GHz	-48.29 dBm	-35.29 dB

Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	613.64318 MHz	-64.18 dBm	-51.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.29560 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-50.02 dBm	-37.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.46 dBm	-34.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44464 GHz	-48.29 dBm	-35.29 dB

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.24 dBm	-46.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	898.91929 MHz	-63.76 dBm	-50.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.45 dBm	-32.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44514 GHz	-48.03 dBm	-35.03 dB

Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~9000MHz

Spurious Emissions

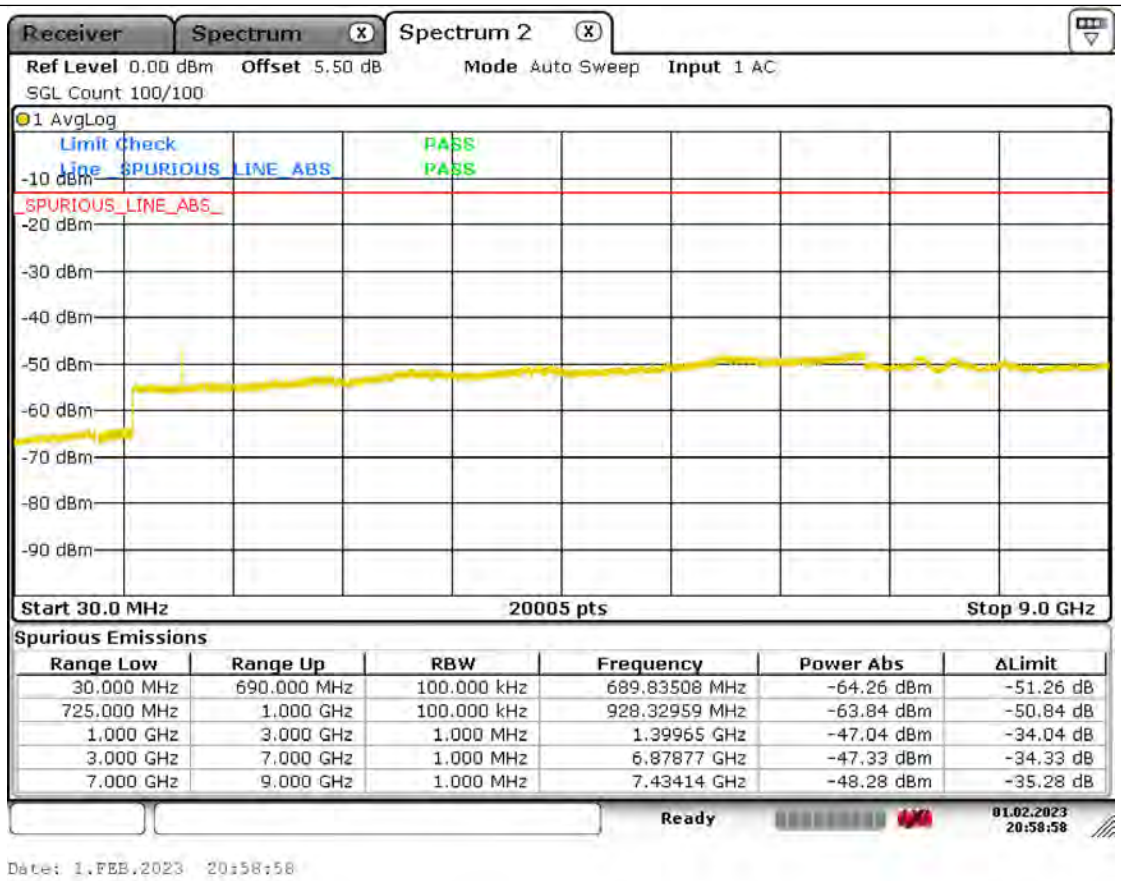
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.24 dBm	-46.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	898.91929 MHz	-63.76 dBm	-50.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.45 dBm	-32.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44514 GHz	-48.03 dBm	-35.03 dB

Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.26 dBm	-51.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.32959 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.04 dBm	-34.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87877 GHz	-47.33 dBm	-34.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.28 dBm	-35.28 dB

Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.26 dBm	-51.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.32959 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.04 dBm	-34.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87877 GHz	-47.33 dBm	-34.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.28 dBm	-35.28 dB

Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

Spurious Emissions

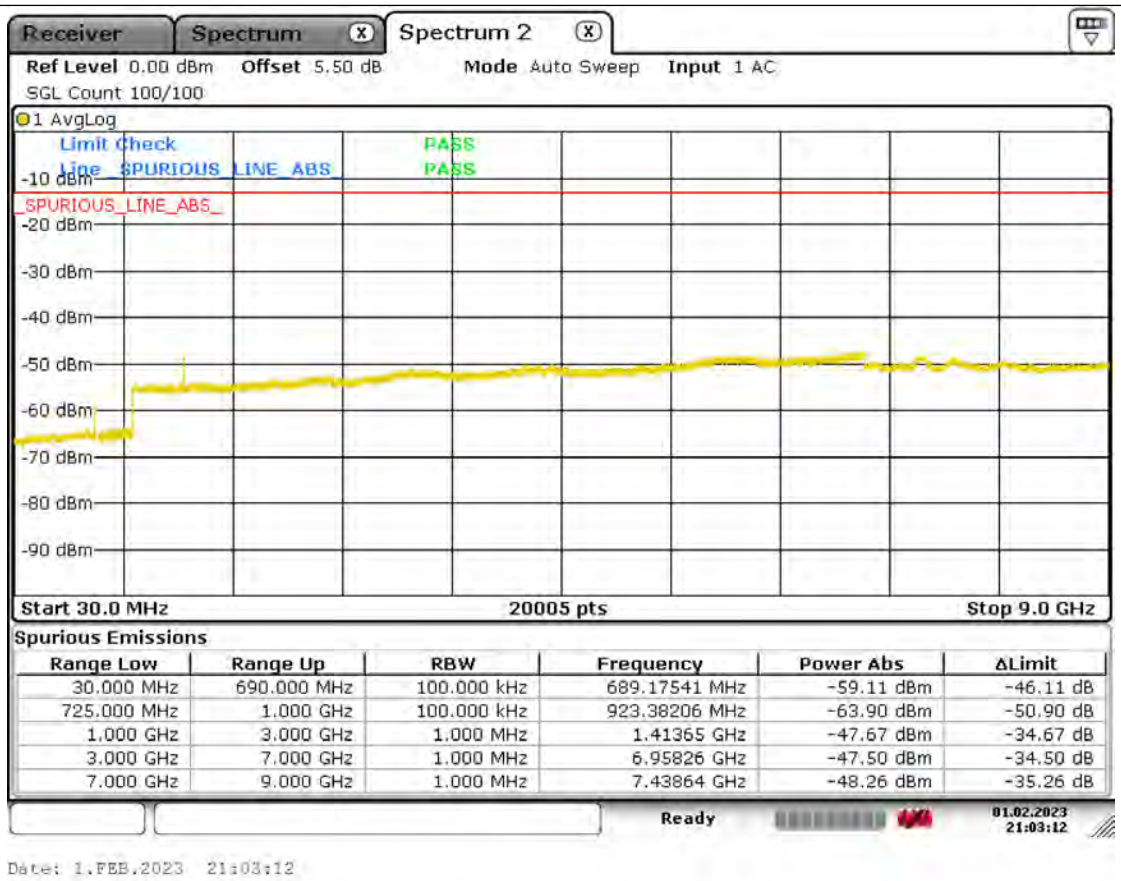
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.54098 MHz	-63.75 dBm	-50.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-51.11 dBm	-38.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-47.29 dBm	-34.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.24 dBm	-35.24 dB

Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.54098 MHz	-63.75 dBm	-50.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-51.11 dBm	-38.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-47.29 dBm	-34.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-48.24 dBm	-35.24 dB

Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Spurious Emissions

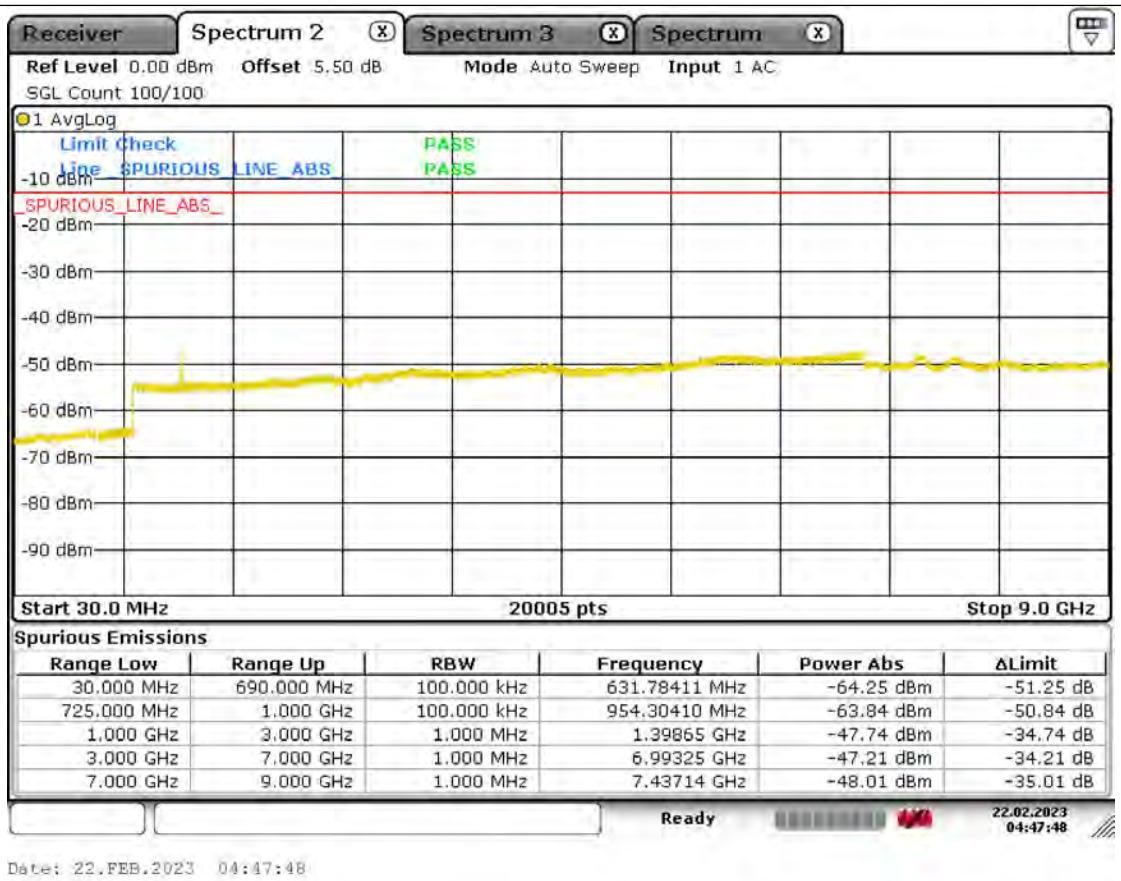
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.11 dBm	-46.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	923.38206 MHz	-63.90 dBm	-50.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95826 GHz	-47.50 dBm	-34.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-48.26 dBm	-35.26 dB

Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~9000MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.11 dBm	-46.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	923.38206 MHz	-63.90 dBm	-50.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95826 GHz	-47.50 dBm	-34.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-48.26 dBm	-35.26 dB

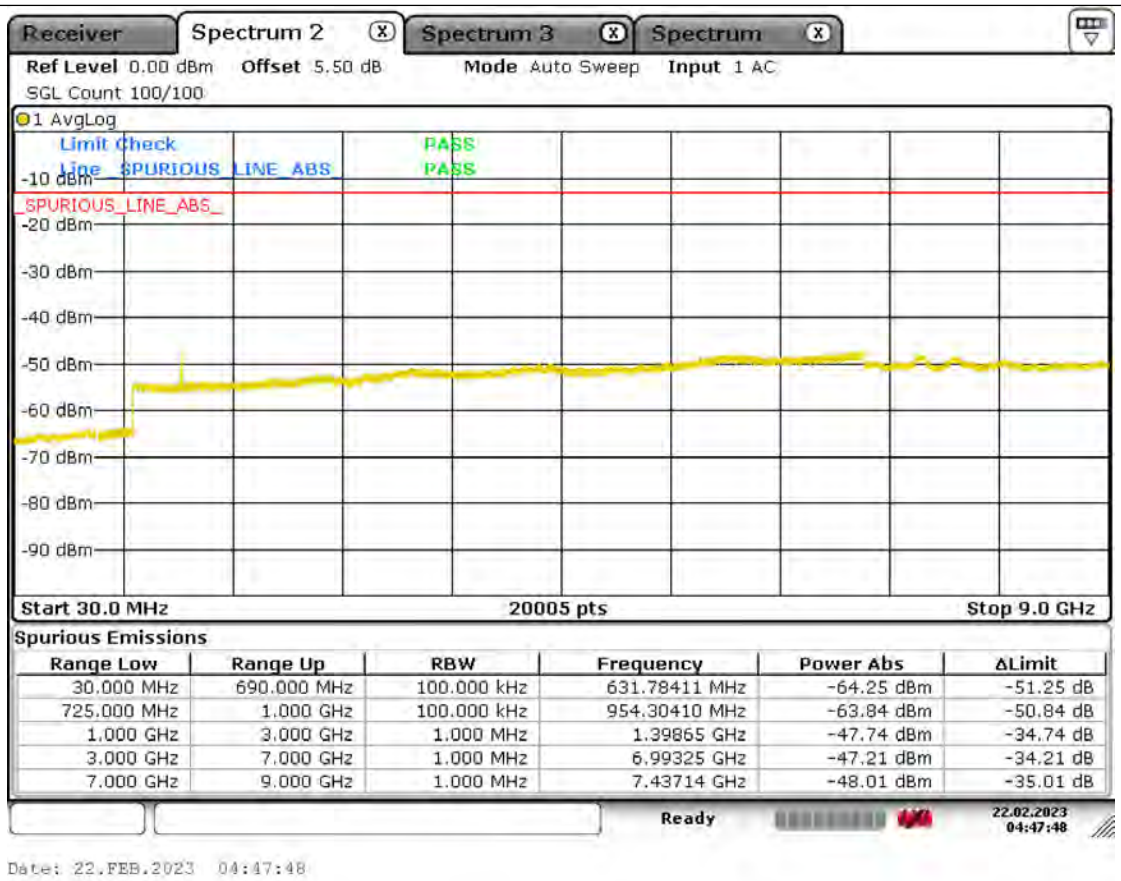
Band12-1.4MHz-64QAM-23017-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	631.78411 MHz	-64.25 dBm	-51.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	954.30410 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-47.21 dBm	-34.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-48.01 dBm	-35.01 dB

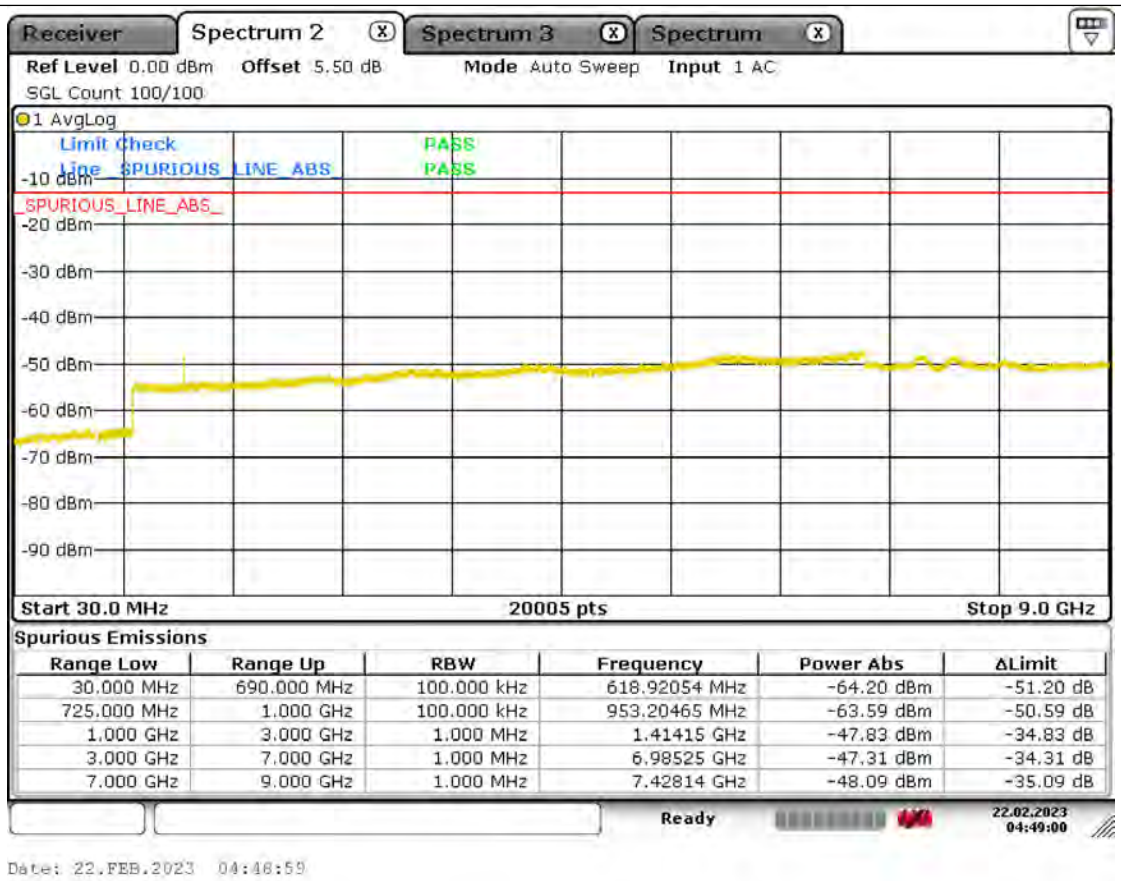
Band12-1.4MHz-64QAM-23017-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	631.78411 MHz	-64.25 dBm	-51.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	954.30410 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-47.21 dBm	-34.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-48.01 dBm	-35.01 dB

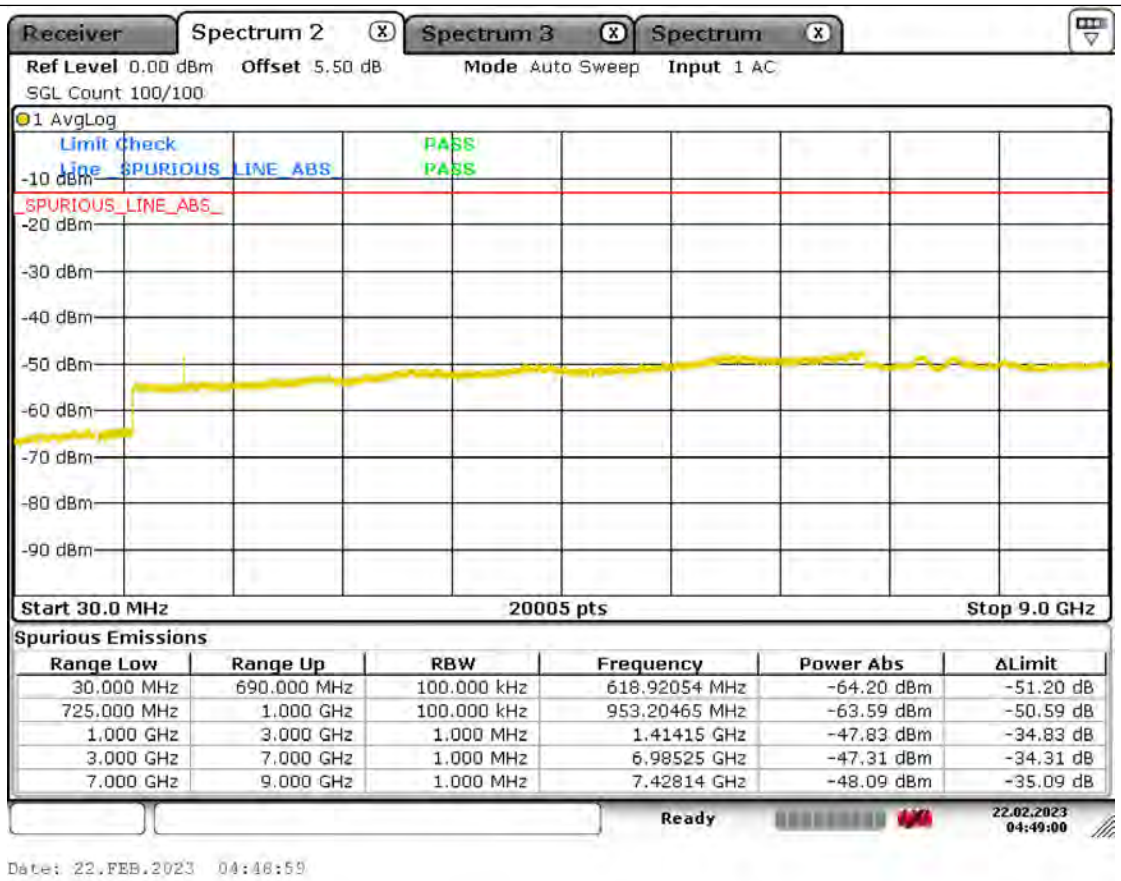
Band12-1.4MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.92054 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.20465 MHz	-63.59 dBm	-50.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42814 GHz	-48.09 dBm	-35.09 dB

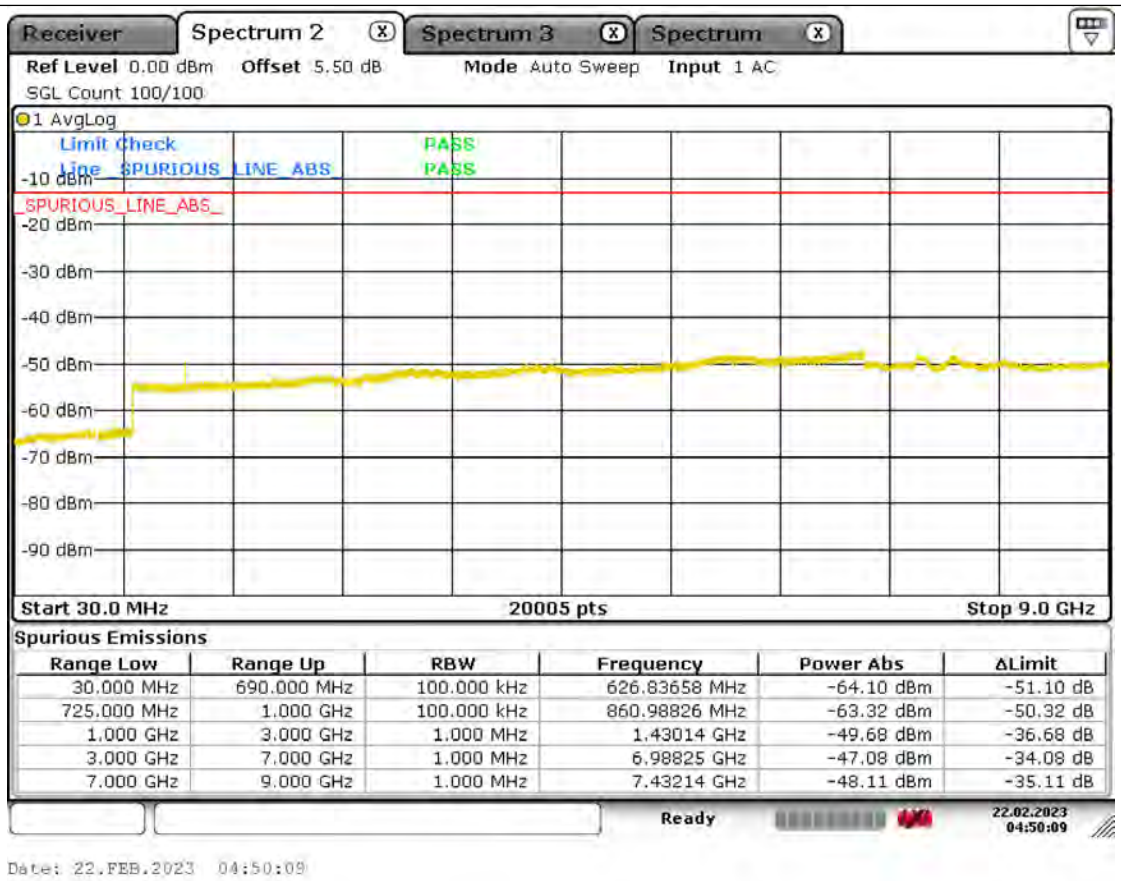
Band12-1.4MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.92054 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.20465 MHz	-63.59 dBm	-50.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42814 GHz	-48.09 dBm	-35.09 dB

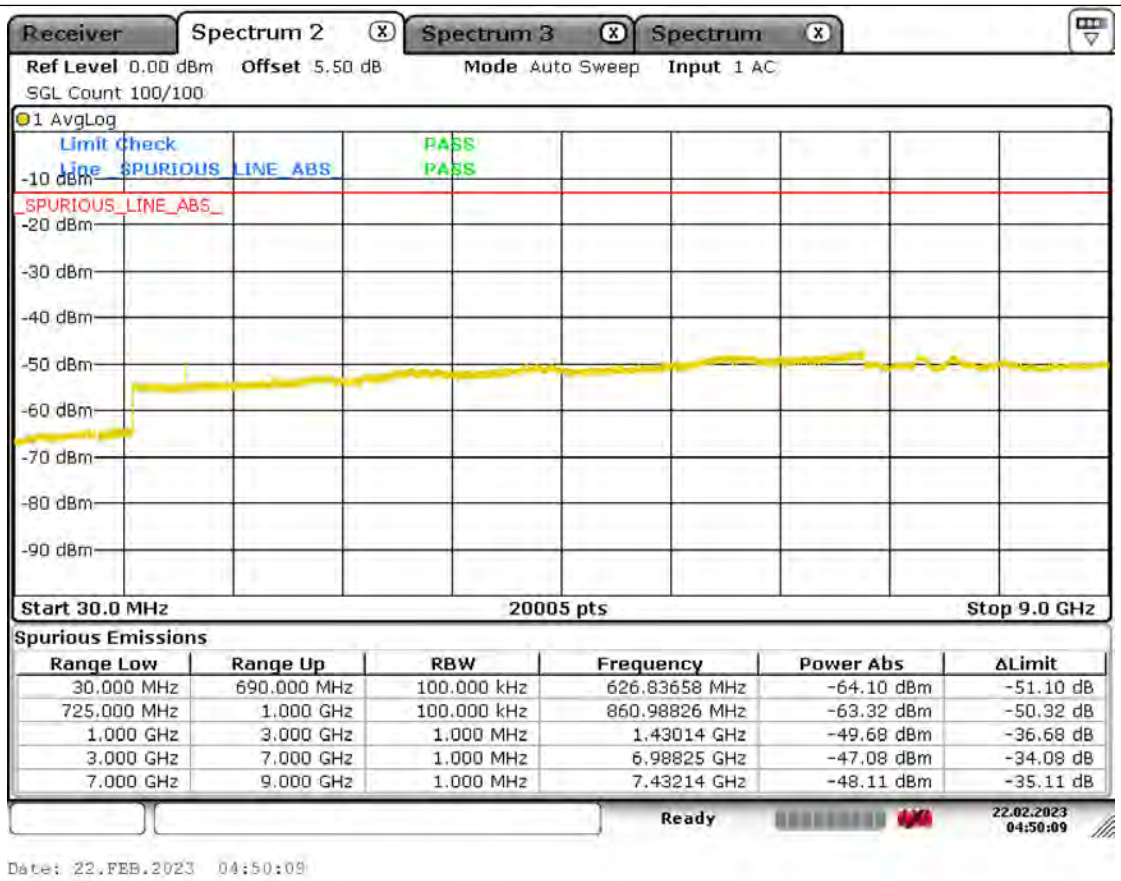
Band12-1.4MHz-64QAM-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.83658 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	860.98826 MHz	-63.32 dBm	-50.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.68 dBm	-36.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-47.08 dBm	-34.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43214 GHz	-48.11 dBm	-35.11 dB

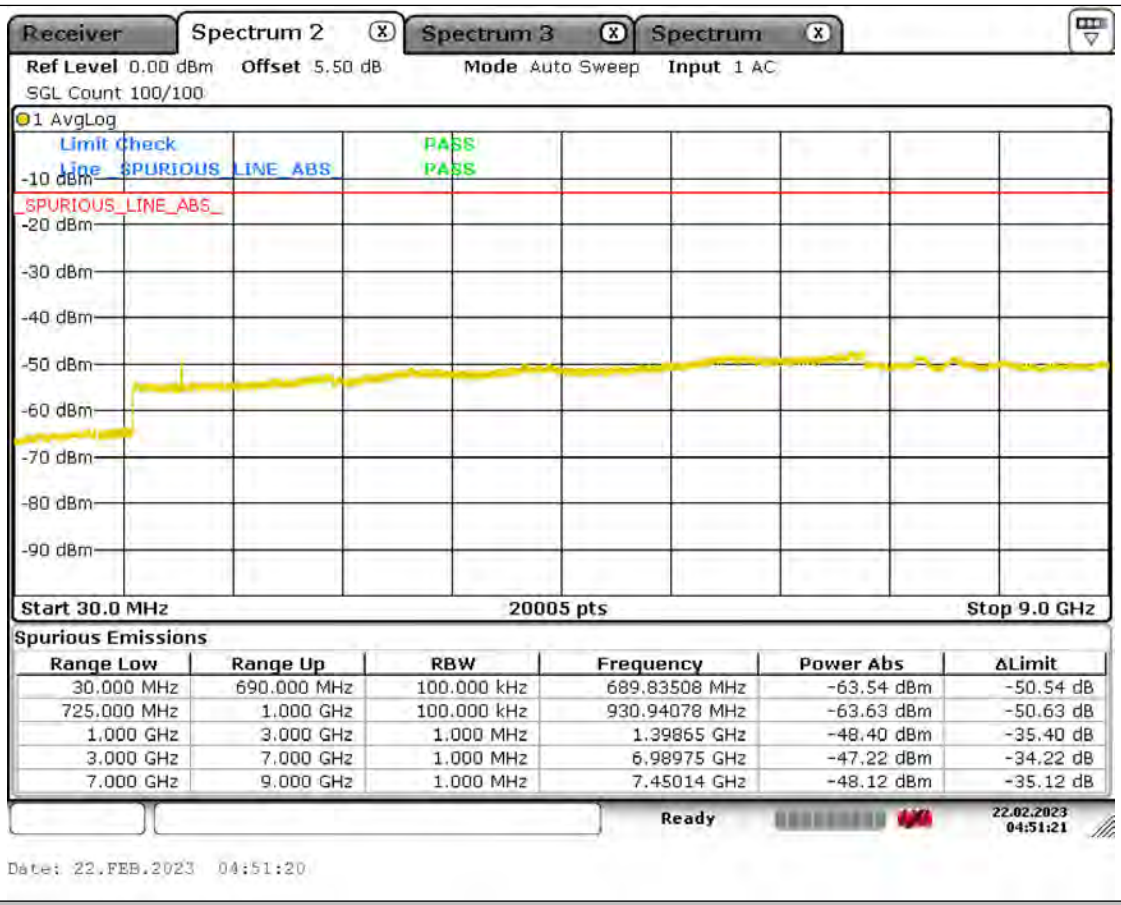
Band12-1.4MHz-64QAM-23173-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.83658 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	860.98826 MHz	-63.32 dBm	-50.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.68 dBm	-36.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-47.08 dBm	-34.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43214 GHz	-48.11 dBm	-35.11 dB

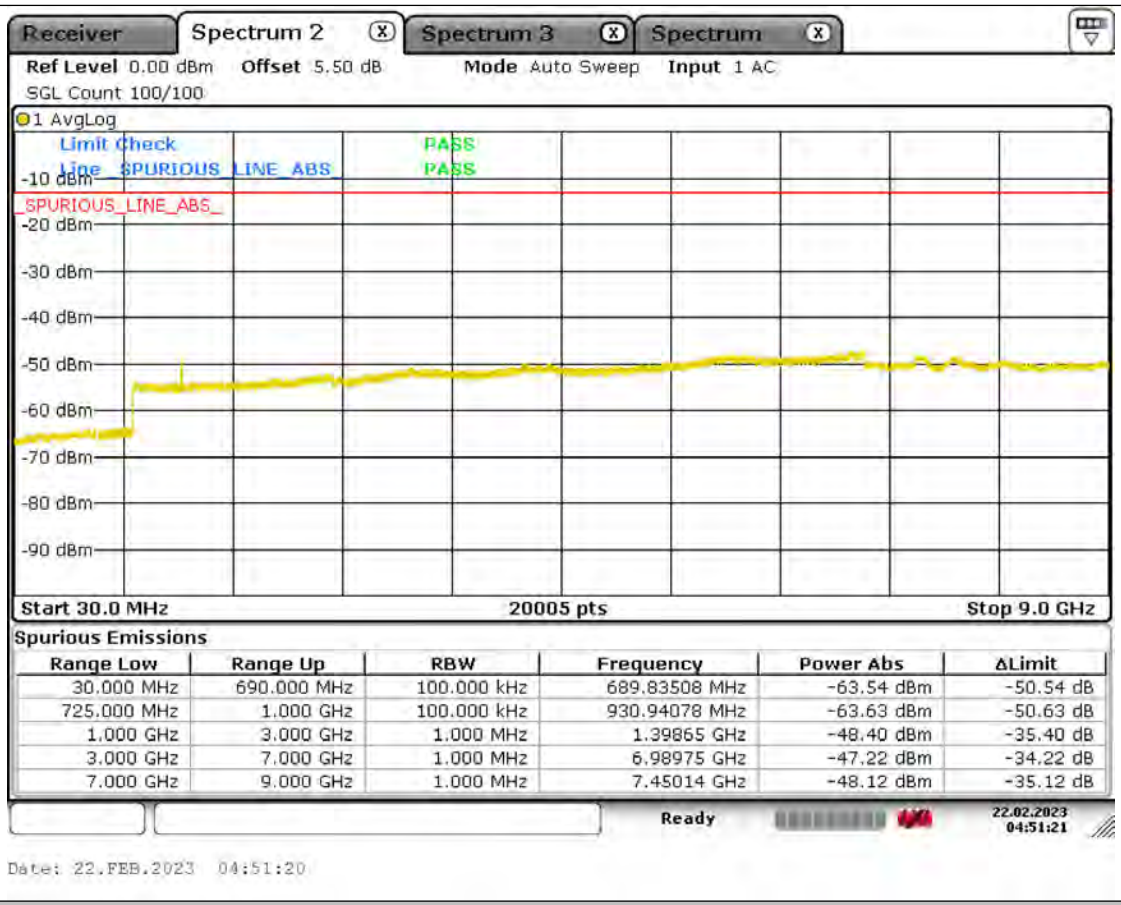
Band12-3MHz-64QAM-23025-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.54 dBm	-50.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.94078 MHz	-63.63 dBm	-50.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-48.40 dBm	-35.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.22 dBm	-34.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45014 GHz	-48.12 dBm	-35.12 dB

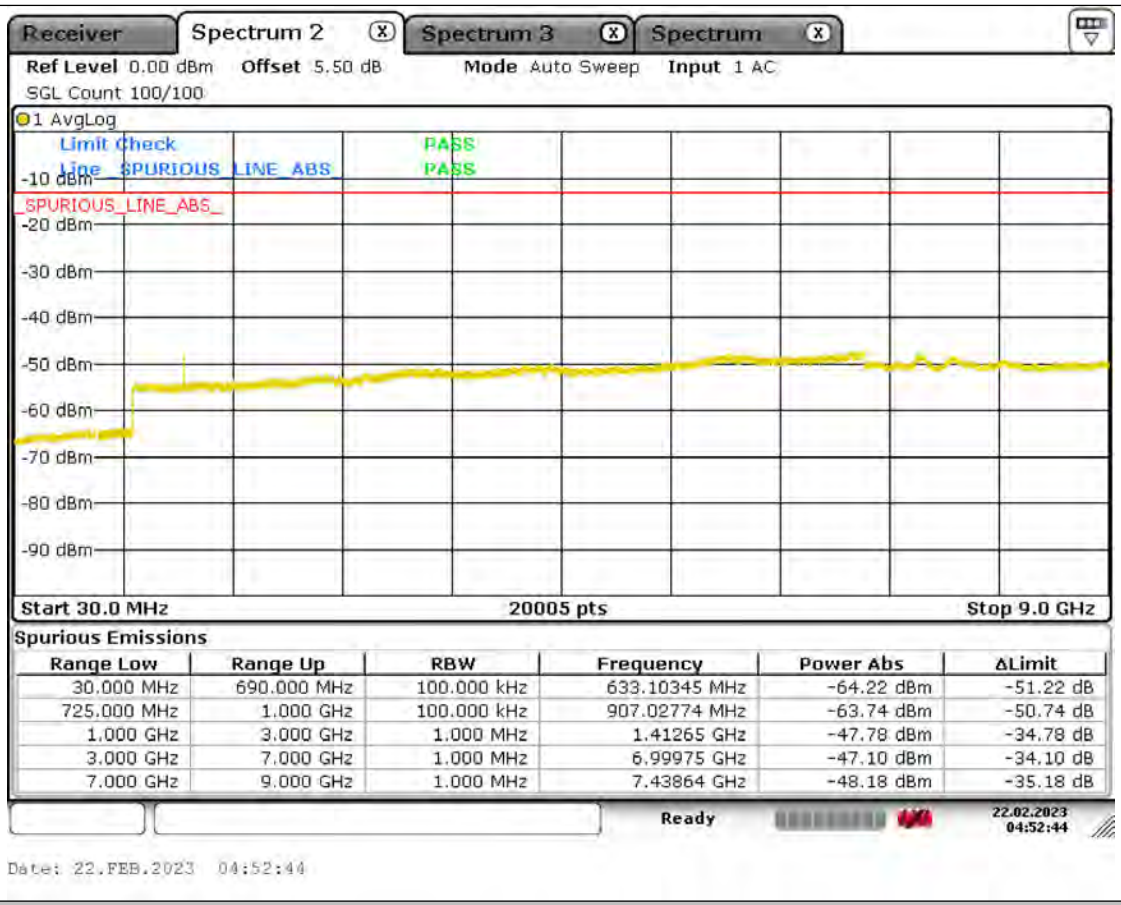
Band12-3MHz-64QAM-23025-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.54 dBm	-50.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.94078 MHz	-63.63 dBm	-50.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-48.40 dBm	-35.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.22 dBm	-34.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45014 GHz	-48.12 dBm	-35.12 dB

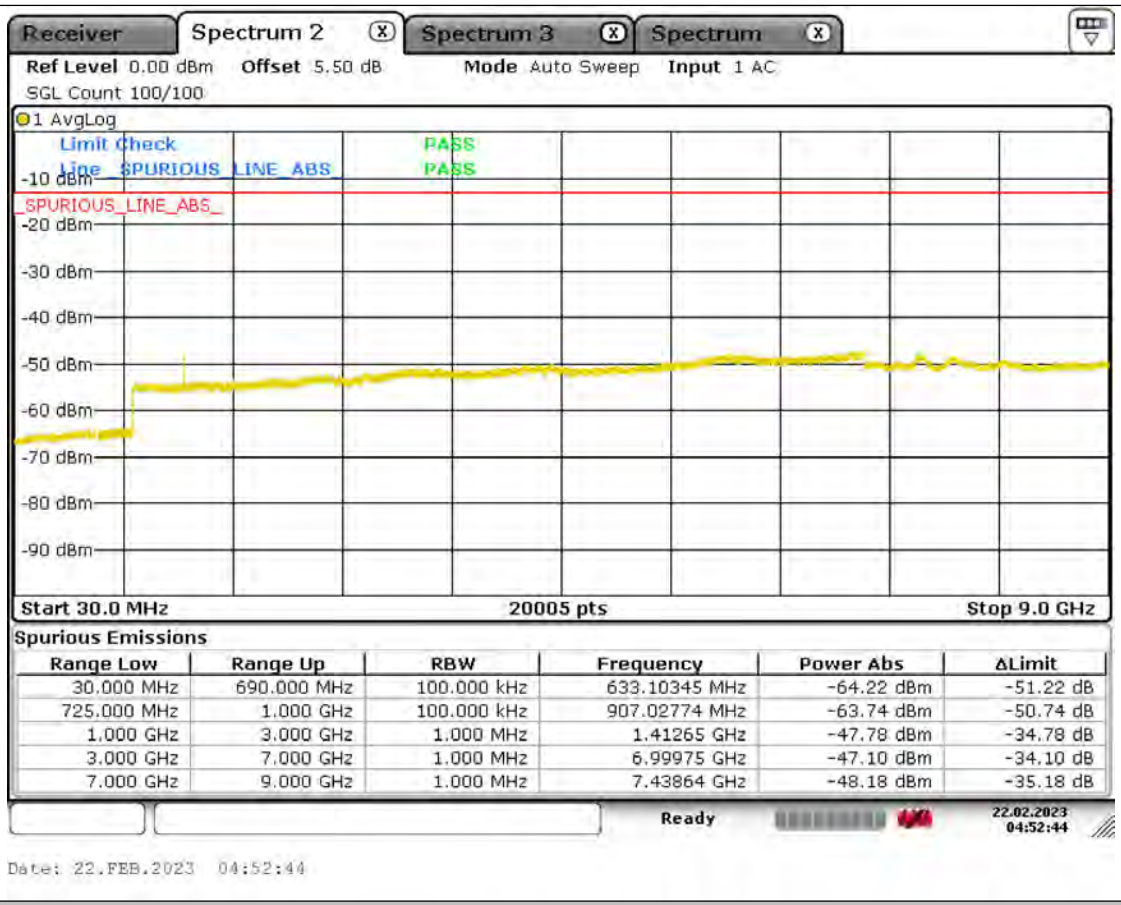
Band12-3MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	633.10345 MHz	-64.22 dBm	-51.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.02774 MHz	-63.74 dBm	-50.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.78 dBm	-34.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.10 dBm	-34.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-48.18 dBm	-35.18 dB

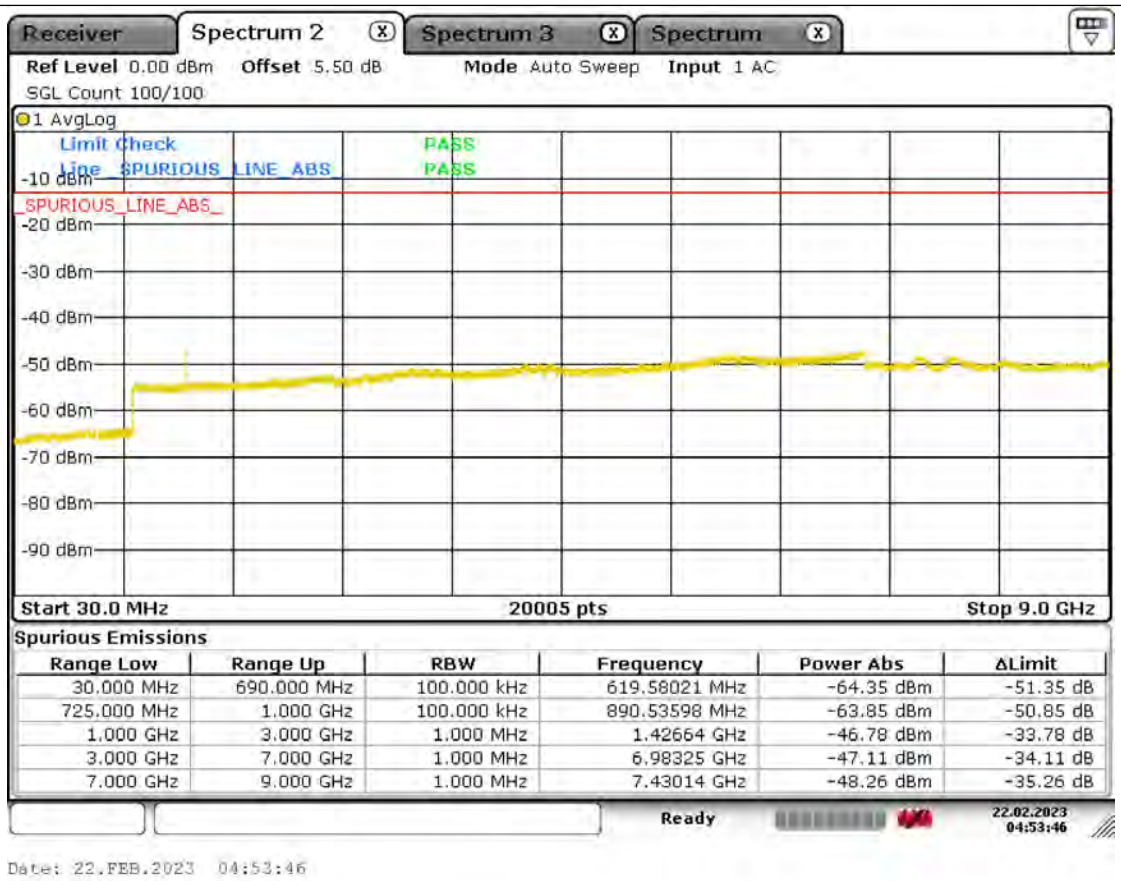
Band12-3MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	633.10345 MHz	-64.22 dBm	-51.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.02774 MHz	-63.74 dBm	-50.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.78 dBm	-34.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.10 dBm	-34.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-48.18 dBm	-35.18 dB

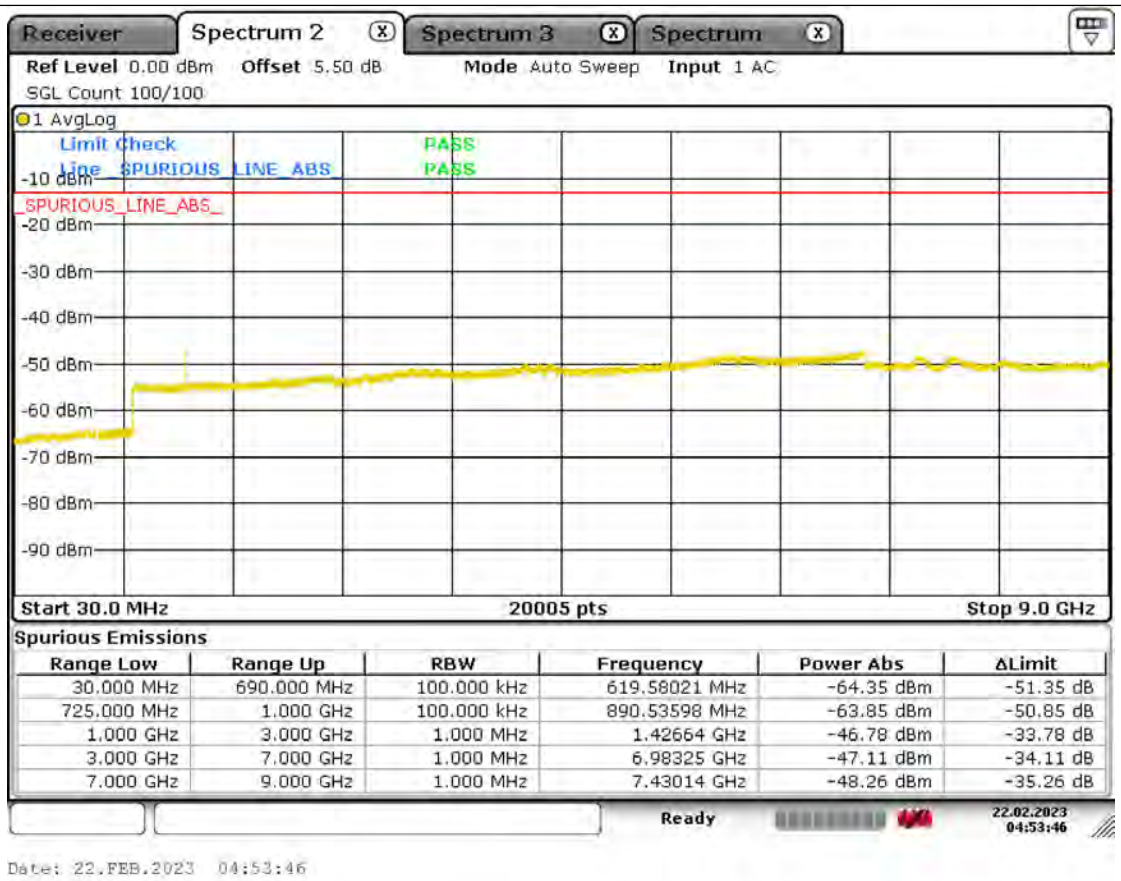
Band12-3MHz-64QAM-23165-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.58021 MHz	-64.35 dBm	-51.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	890.53598 MHz	-63.85 dBm	-50.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.78 dBm	-33.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-47.11 dBm	-34.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43014 GHz	-48.26 dBm	-35.26 dB

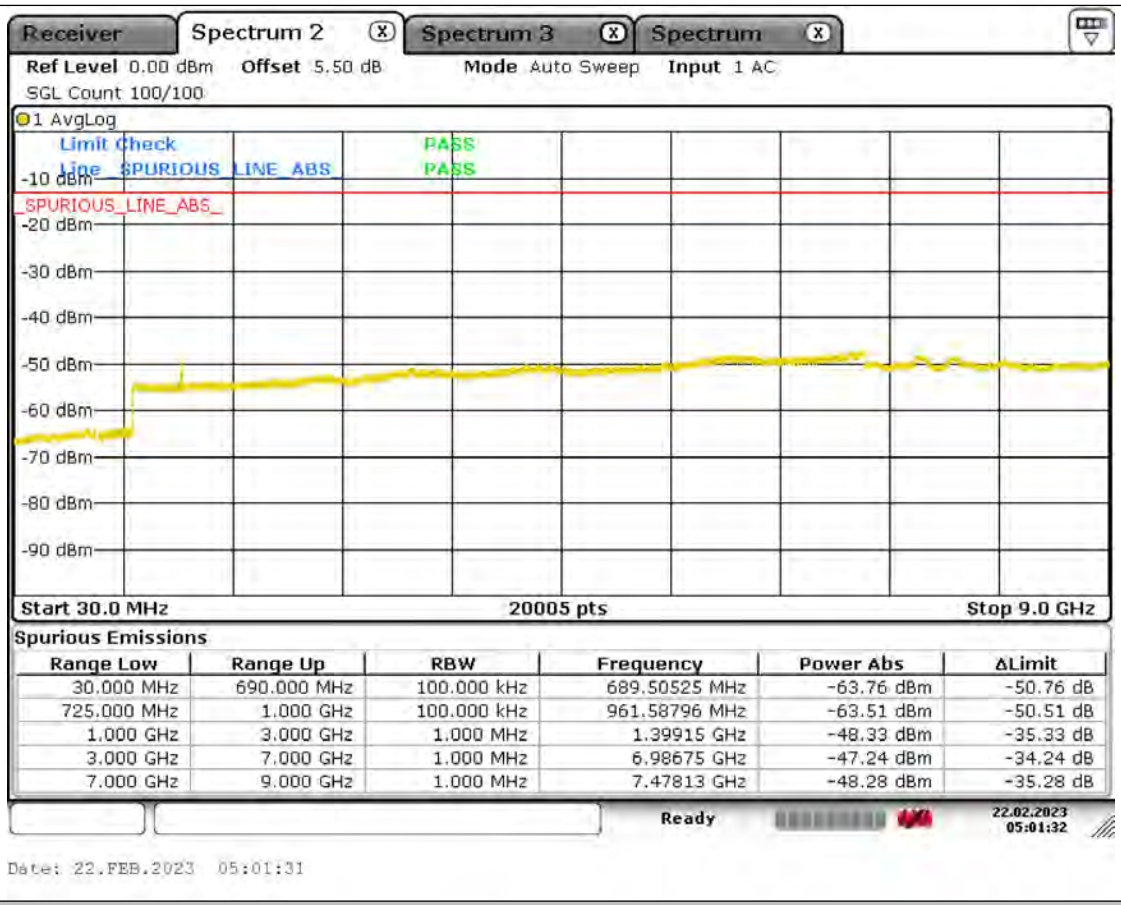
Band12-3MHz-64QAM-23165-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.58021 MHz	-64.35 dBm	-51.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	890.53598 MHz	-63.85 dBm	-50.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.78 dBm	-33.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-47.11 dBm	-34.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43014 GHz	-48.26 dBm	-35.26 dB

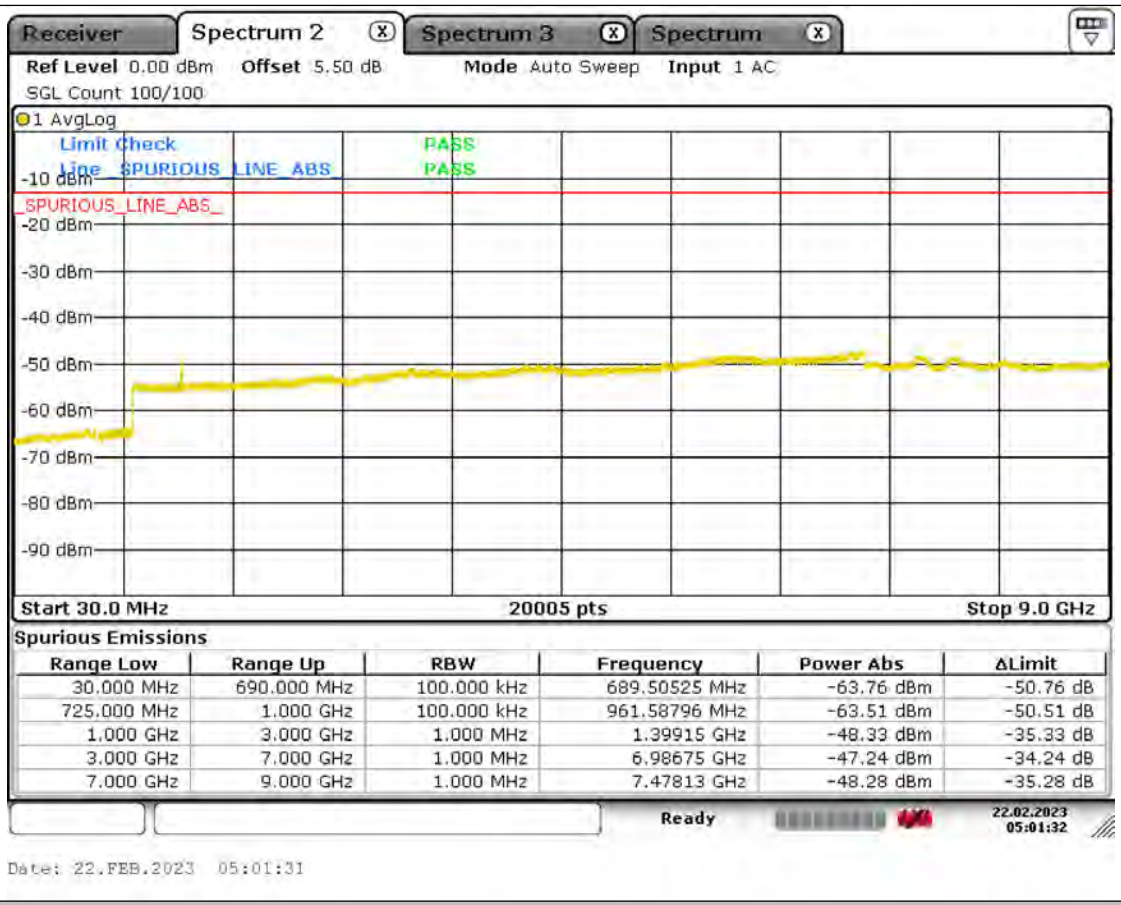
Band12-5MHz-64QAM-23035-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-63.76 dBm	-50.76 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.58796 MHz	-63.51 dBm	-50.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.33 dBm	-35.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47813 GHz	-48.28 dBm	-35.28 dB

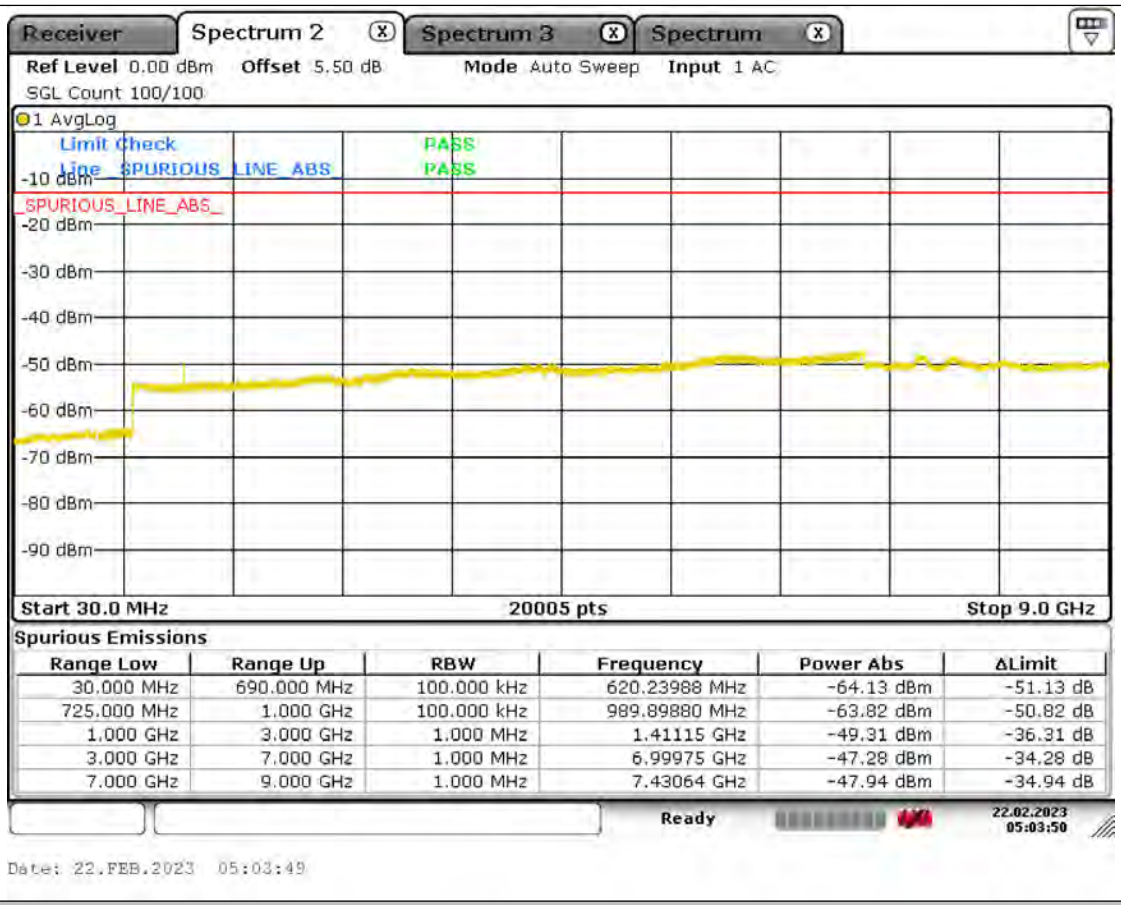
Band12-5MHz-64QAM-23035-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-63.76 dBm	-50.76 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.58796 MHz	-63.51 dBm	-50.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.33 dBm	-35.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47813 GHz	-48.28 dBm	-35.28 dB

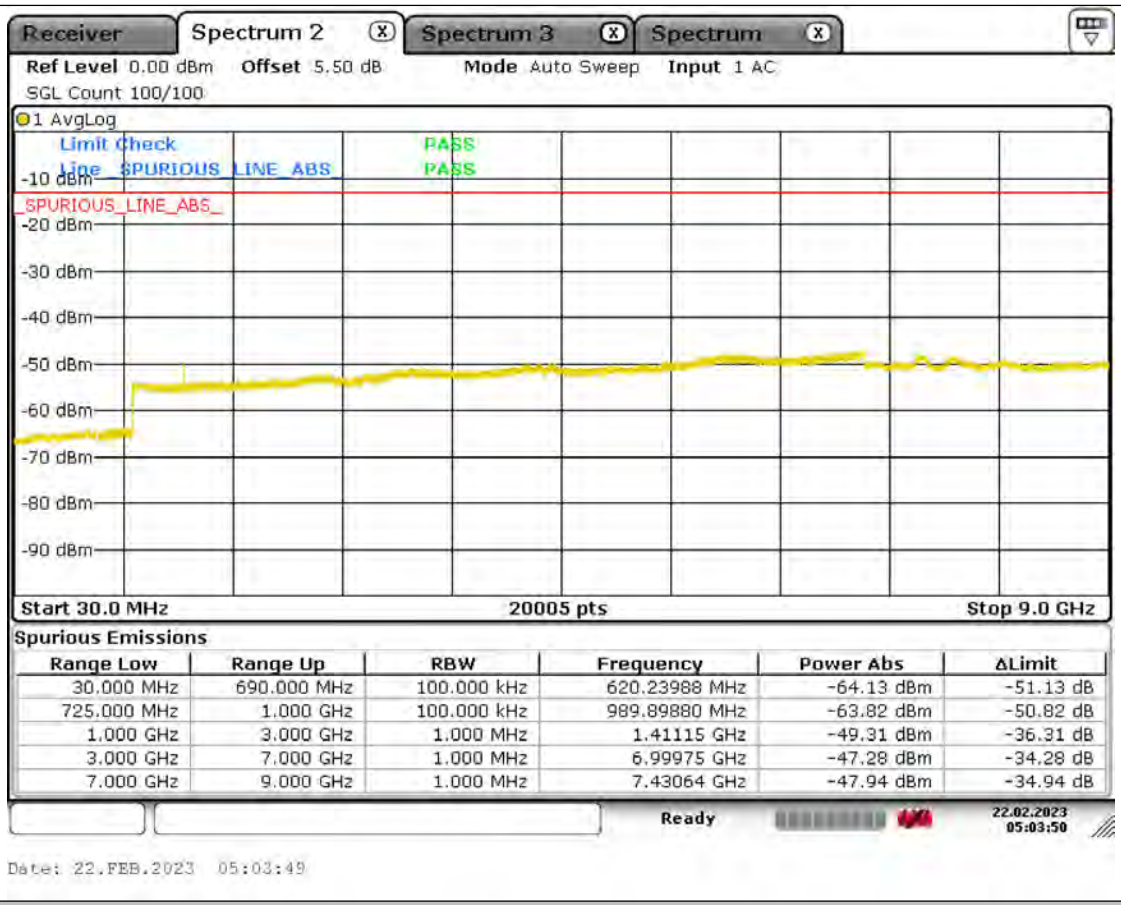
Band12-5MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.23988 MHz	-64.13 dBm	-51.13 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.89880 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.31 dBm	-36.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.28 dBm	-34.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-47.94 dBm	-34.94 dB

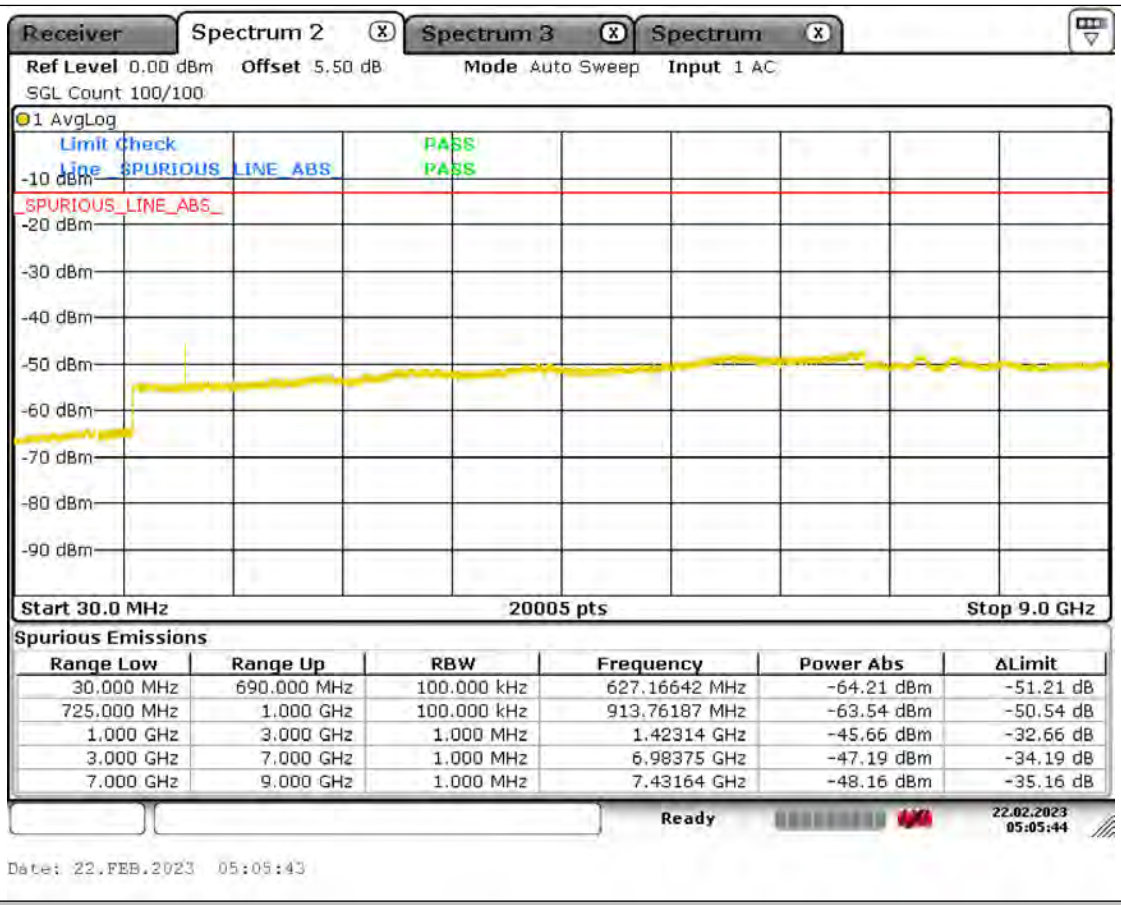
Band12-5MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.23988 MHz	-64.13 dBm	-51.13 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.89880 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.31 dBm	-36.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.28 dBm	-34.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-47.94 dBm	-34.94 dB

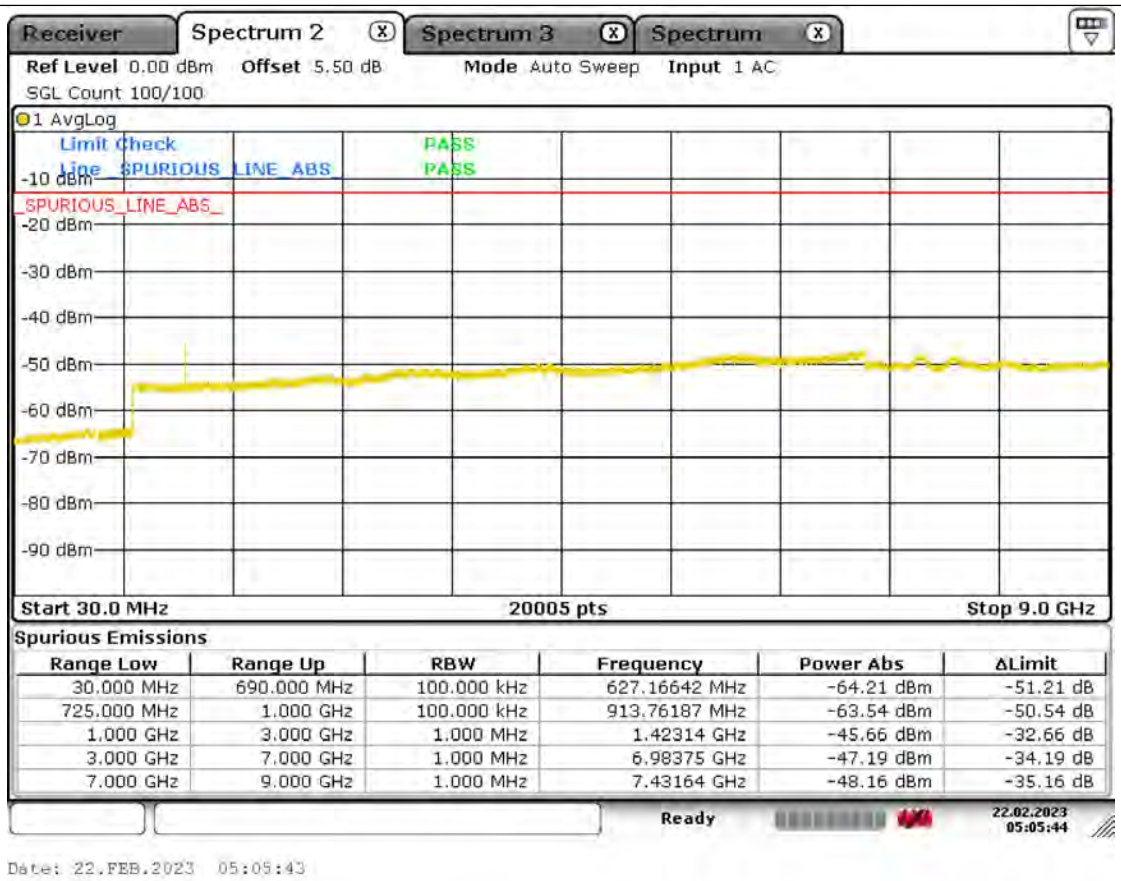
Band12-5MHz-64QAM-23155-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	913.76187 MHz	-63.54 dBm	-50.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.66 dBm	-32.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-47.19 dBm	-34.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43164 GHz	-48.16 dBm	-35.16 dB

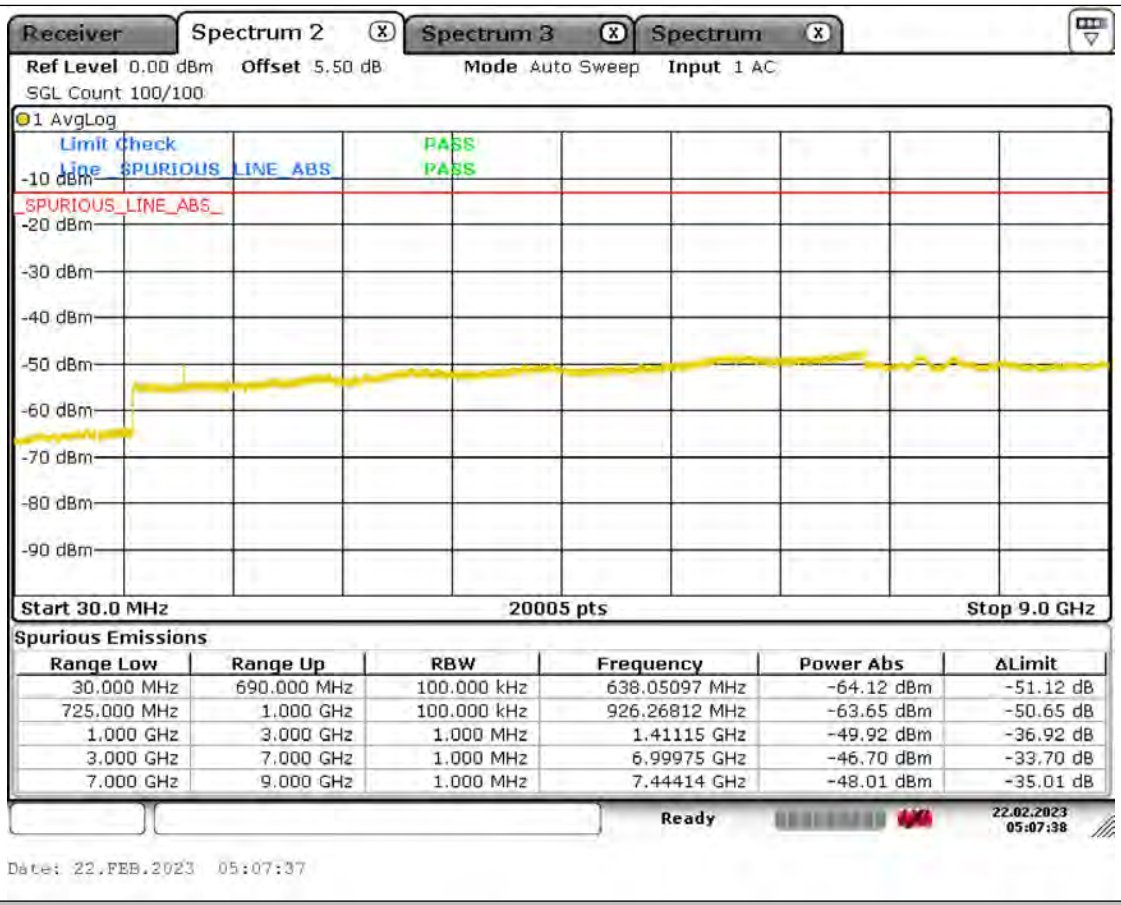
Band12-5MHz-64QAM-23155-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	913.76187 MHz	-63.54 dBm	-50.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.66 dBm	-32.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-47.19 dBm	-34.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43164 GHz	-48.16 dBm	-35.16 dB

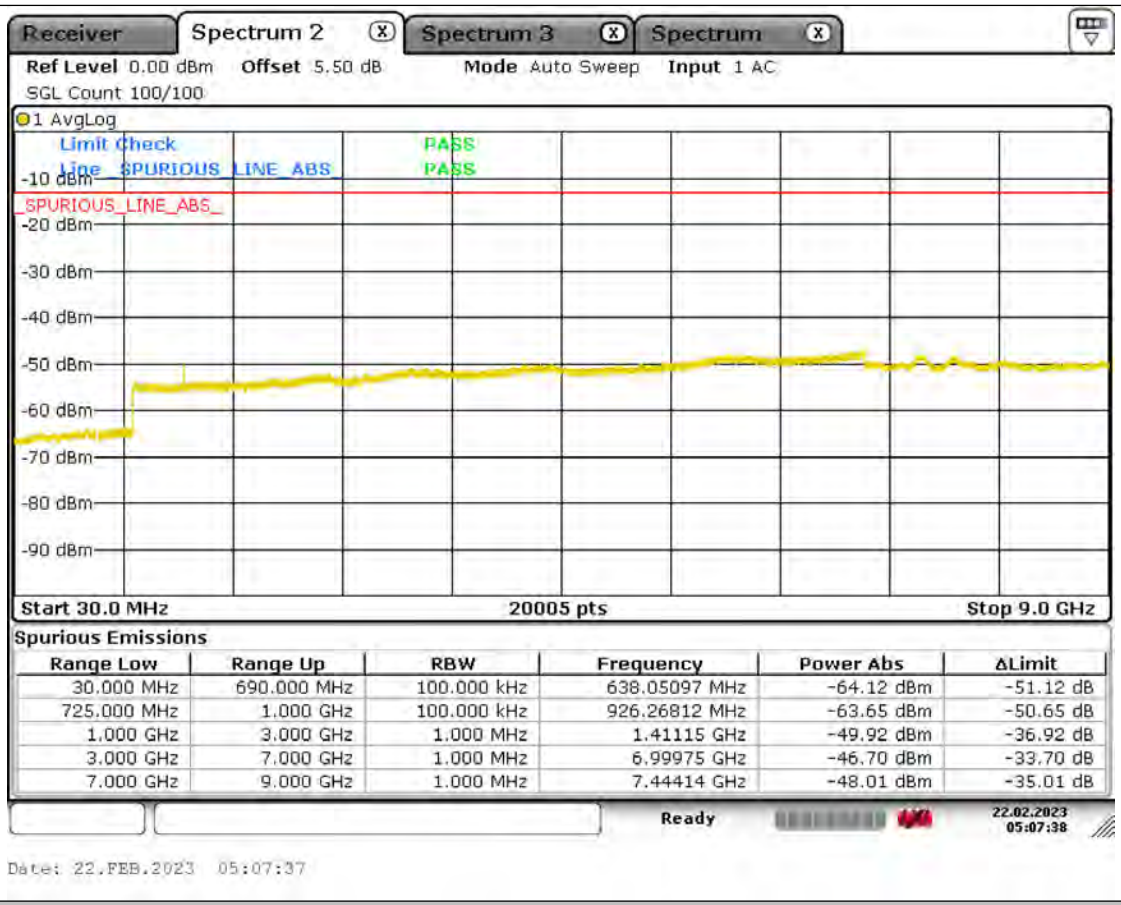
Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.12 dBm	-51.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.26812 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.92 dBm	-36.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-46.70 dBm	-33.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44414 GHz	-48.01 dBm	-35.01 dB

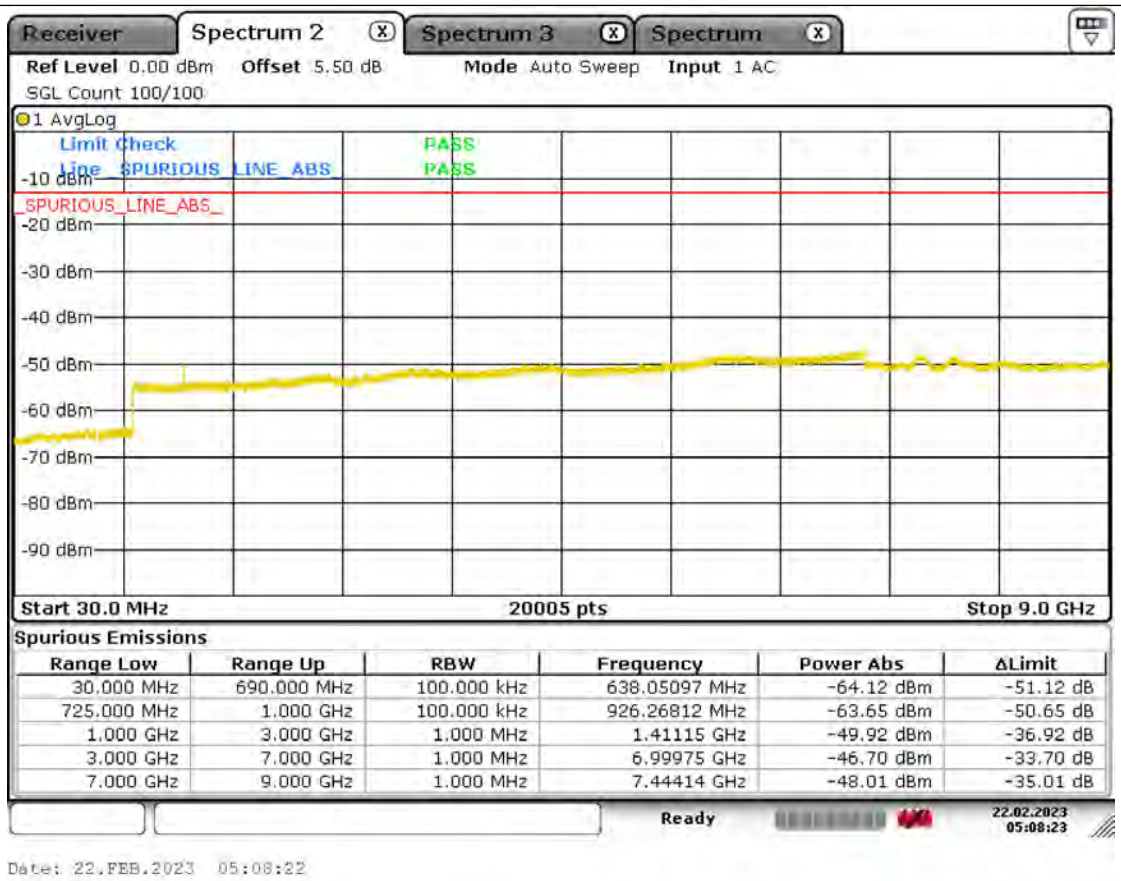
Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.12 dBm	-51.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.26812 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.92 dBm	-36.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-46.70 dBm	-33.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44414 GHz	-48.01 dBm	-35.01 dB

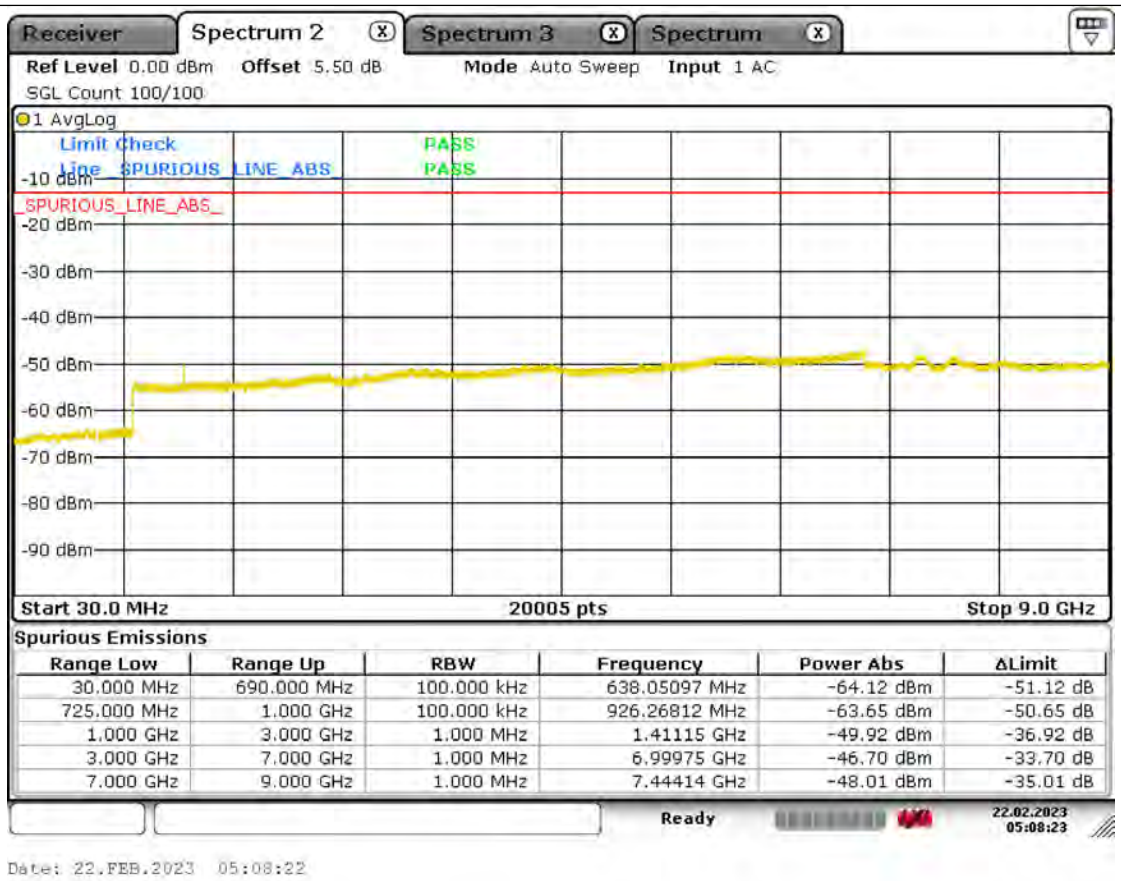
Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.12 dBm	-51.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.26812 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.92 dBm	-36.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-46.70 dBm	-33.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44414 GHz	-48.01 dBm	-35.01 dB

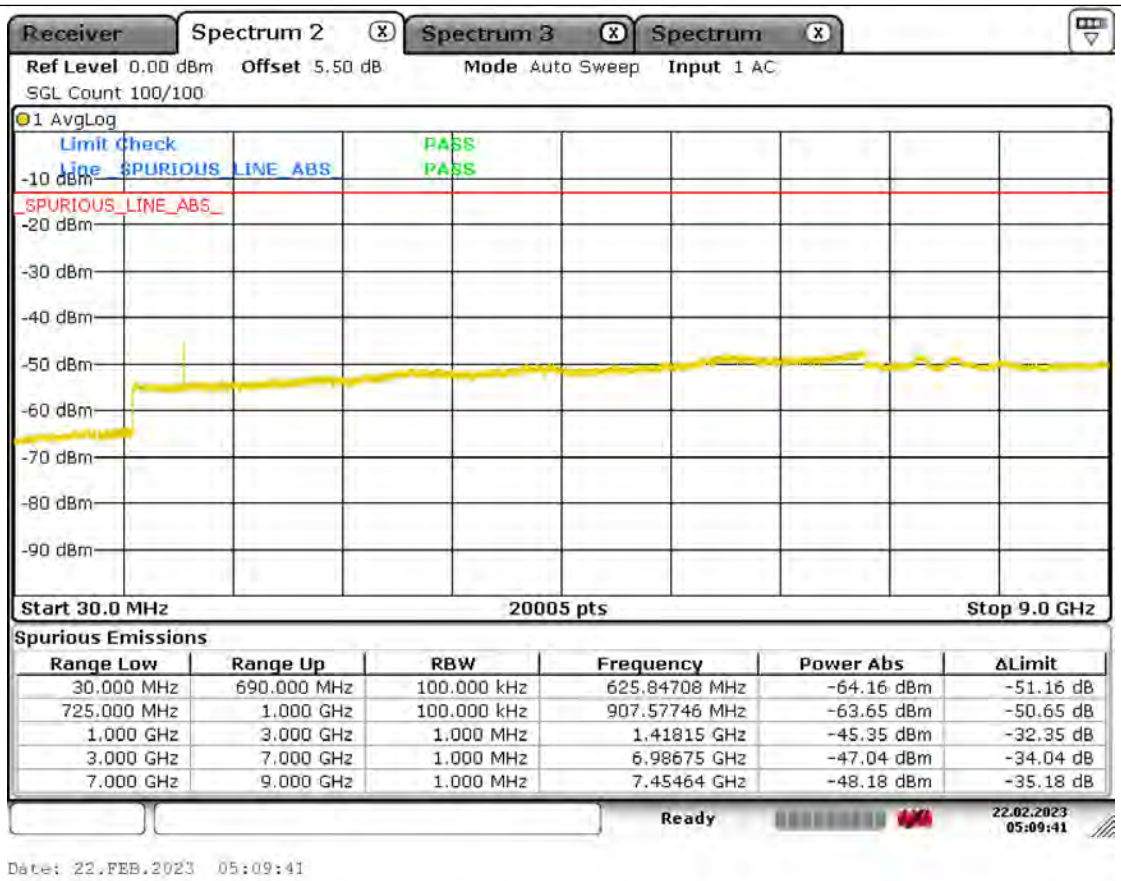
Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.05097 MHz	-64.12 dBm	-51.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.26812 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-49.92 dBm	-36.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-46.70 dBm	-33.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44414 GHz	-48.01 dBm	-35.01 dB

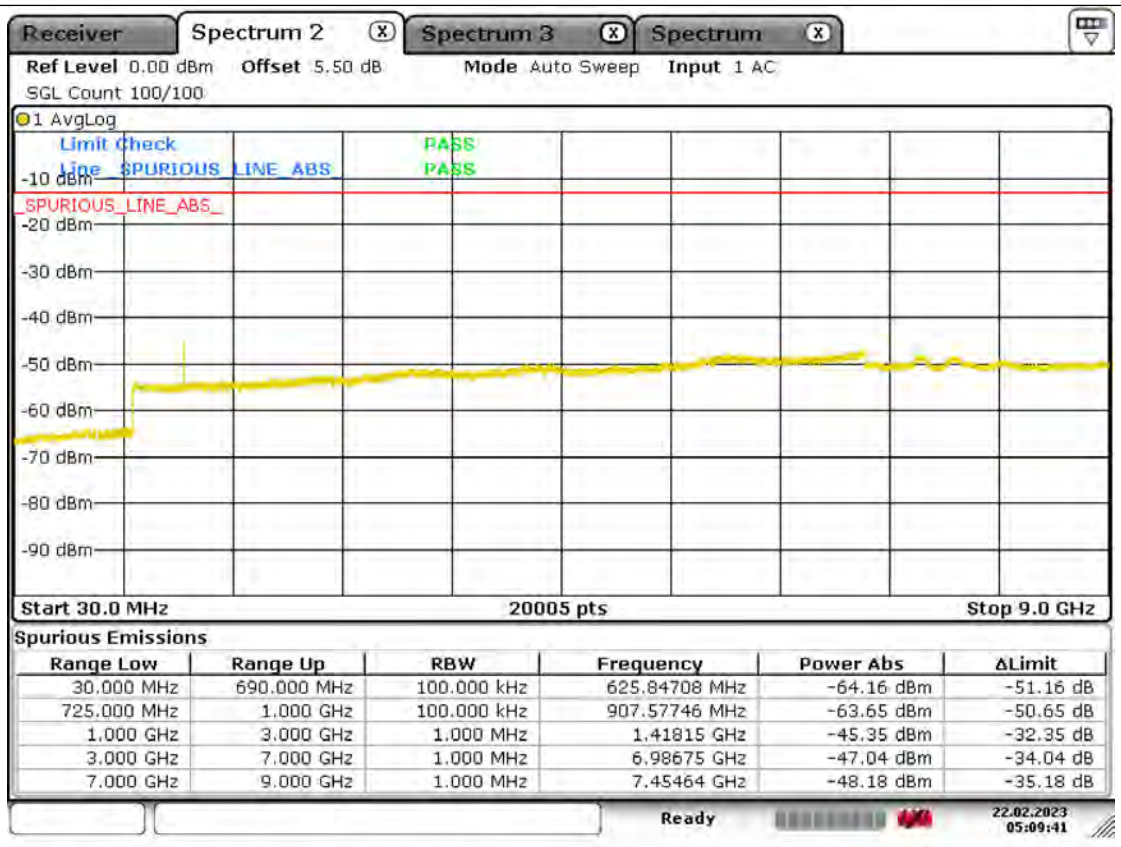
Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.84708 MHz	-64.16 dBm	-51.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.57746 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41815 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-47.04 dBm	-34.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45464 GHz	-48.18 dBm	-35.18 dB

Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.84708 MHz	-64.16 dBm	-51.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.57746 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41815 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-47.04 dBm	-34.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45464 GHz	-48.18 dBm	-35.18 dB

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	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

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

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	704	50RB#0	NV	-30	7.1	0.010085	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	-20	-6.5	-0.009233	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	0	9.4	0.013352	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	10	21.1	0.029972	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	20	-22.4	-0.031818	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	30	22.5	0.031960	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	40	8.6	0.012216	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	50	23.2	0.032955	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-30	1.9	0.002686	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-20	20.6	0.029117	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	0	-14.3	-0.020212	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	10	-12.7	-0.017951	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	20	12.2	0.017244	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	30	17.6	0.024876	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	40	-10.5	-0.014841	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	50	23.2	0.032792	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-30	21.8	0.030661	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-20	-19.1	-0.026864	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	0	14.2	0.019972	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	10	-14.4	-0.020253	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	20	22.1	0.031083	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	30	3.6	0.005063	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	40	0.3	0.000422	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	50	-1.9	-0.002672	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-30	-22.3	-0.031676	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-20	8.6	0.012216	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	0	9.8	0.013920	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	10	6.2	0.008807	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	20	-23.9	-0.033949	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	30	9.2	0.013068	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	40	10.4	0.014773	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	50	-2	-0.002841	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-30	-18.9	-0.026714	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-20	-4.7	-0.006643	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	0	-17.2	-0.024311	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	10	11.4	0.016113	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	20	-3.3	-0.004664	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	30	19.8	0.027986	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	40	6.3	0.008905	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	50	-4.1	-0.005795	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-30	-23.2	-0.032630	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-20	1.6	0.002250	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	0	15.6	0.021941	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	10	-19.8	-0.027848	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	20	-19.6	-0.027567	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	30	16.9	0.023769	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	40	-19.9	-0.027989	±2.5	PASS

Band12	10MHz	16QAM	711	50RB#0	NV	50	15.3	0.021519	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	-30	11	0.015625	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	-20	-9.5	-0.013494	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	0	-8.3	-0.011790	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	10	10.9	0.015483	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	20	14.8	0.021023	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	30	-6.7	-0.009517	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	40	-2.6	-0.003693	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	50	15.2	0.021591	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	-30	0.9	0.001272	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	-20	17.9	0.025300	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	0	-9.8	-0.013852	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	10	15.6	0.022049	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	20	22.1	0.031237	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	30	-9	-0.012721	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	40	-8.8	-0.012438	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	50	-16.5	-0.023322	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	-30	8.6	0.012096	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	-20	-9.2	-0.012940	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	0	-1.1	-0.001547	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	10	-10.5	-0.014768	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	20	10.6	0.014909	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	30	-24.2	-0.034037	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	40	23.1	0.032489	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	50	-2.9	-0.004079	±2.5	PASS

LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF)

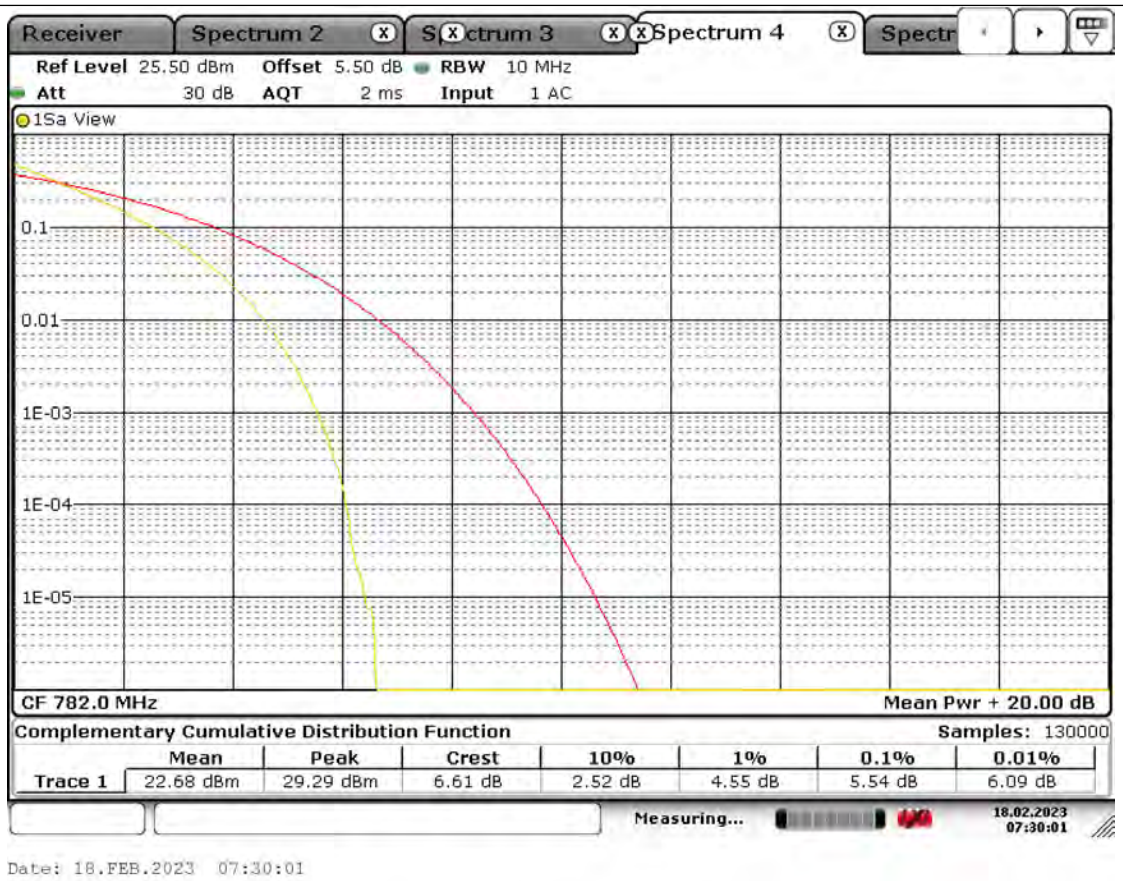
Test Result

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

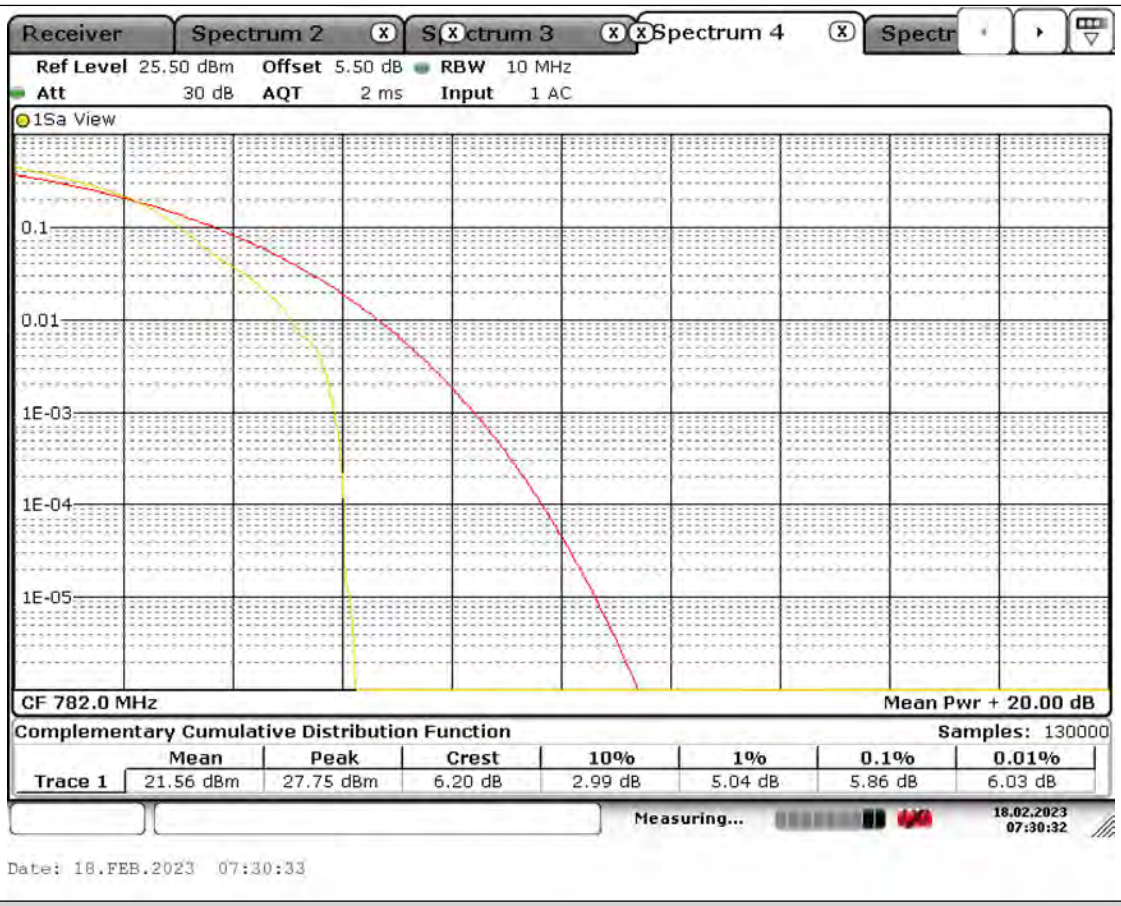
Test Graphs

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

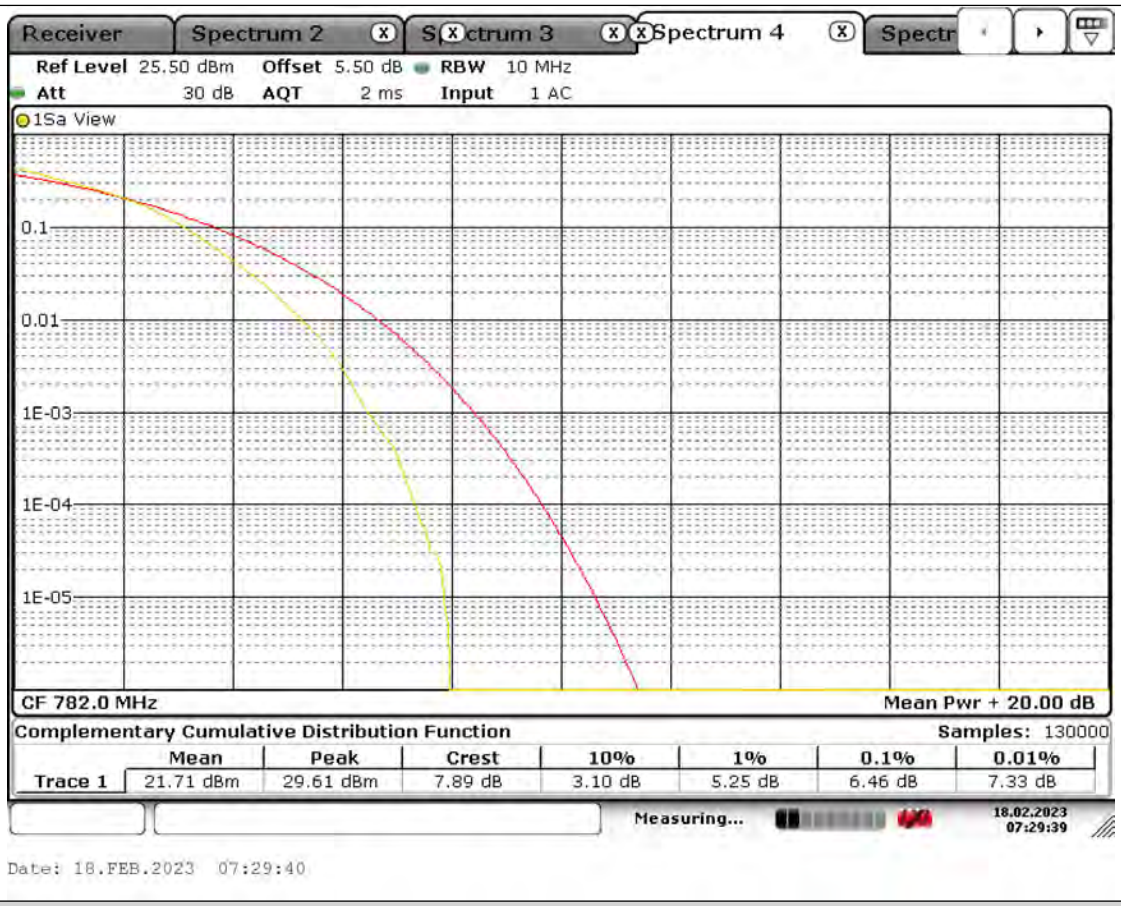
Band13-10MHz-QPSK-23230-50RB#0



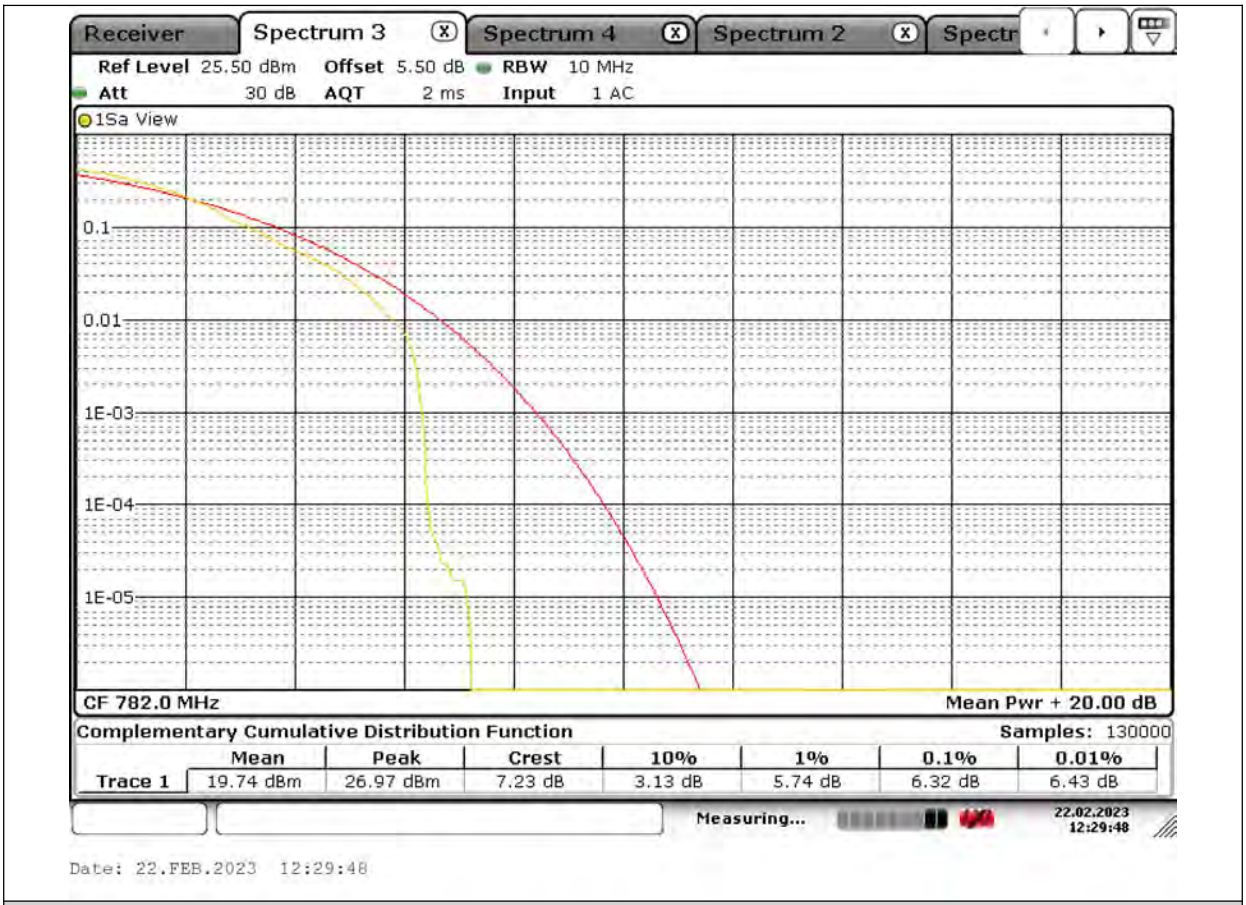
Band13-10MHz-16QAM-23230-1RB#0



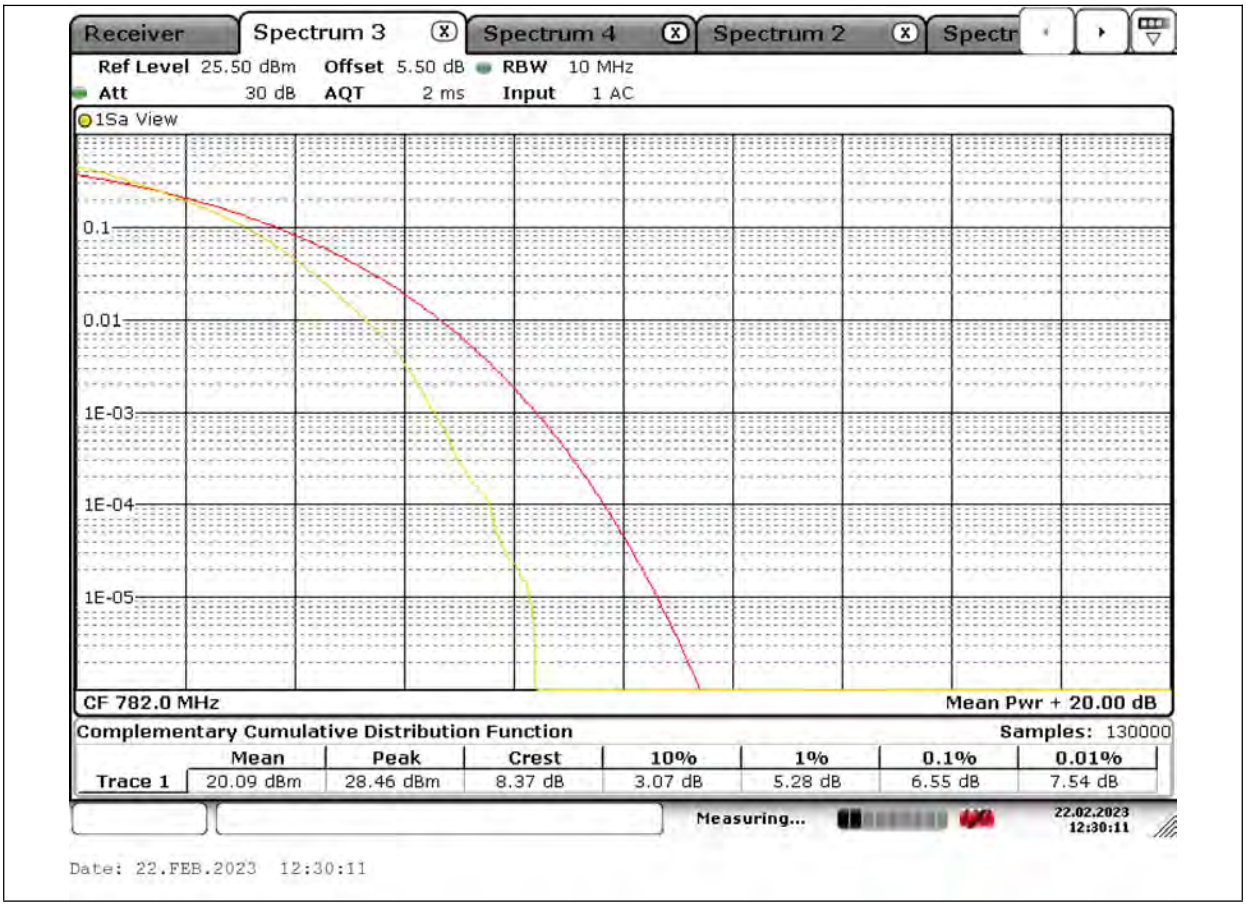
Band13-10MHz-16QAM-23230-50RB#0



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



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


Receiver
Spectrum 3
Spectrum 4
Spectrum 2
Spectr
Ref Level 25.50 dBm Offset 5.50 dB RBW 10 MHz
Att 30 dB AQT 2 ms Input 1 AC
1Sa View
0.1
0.01
1E-03
1E-04
1E-05
CF 782.0 MHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 130000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 20.09 dBm 28.46 dBm 8.37 dB 3.07 dB 5.28 dB 6.55 dB 7.54 dB
Measuring...
22.02.2023
12:30:11
Date: 22.FEB.2023 12:30:11

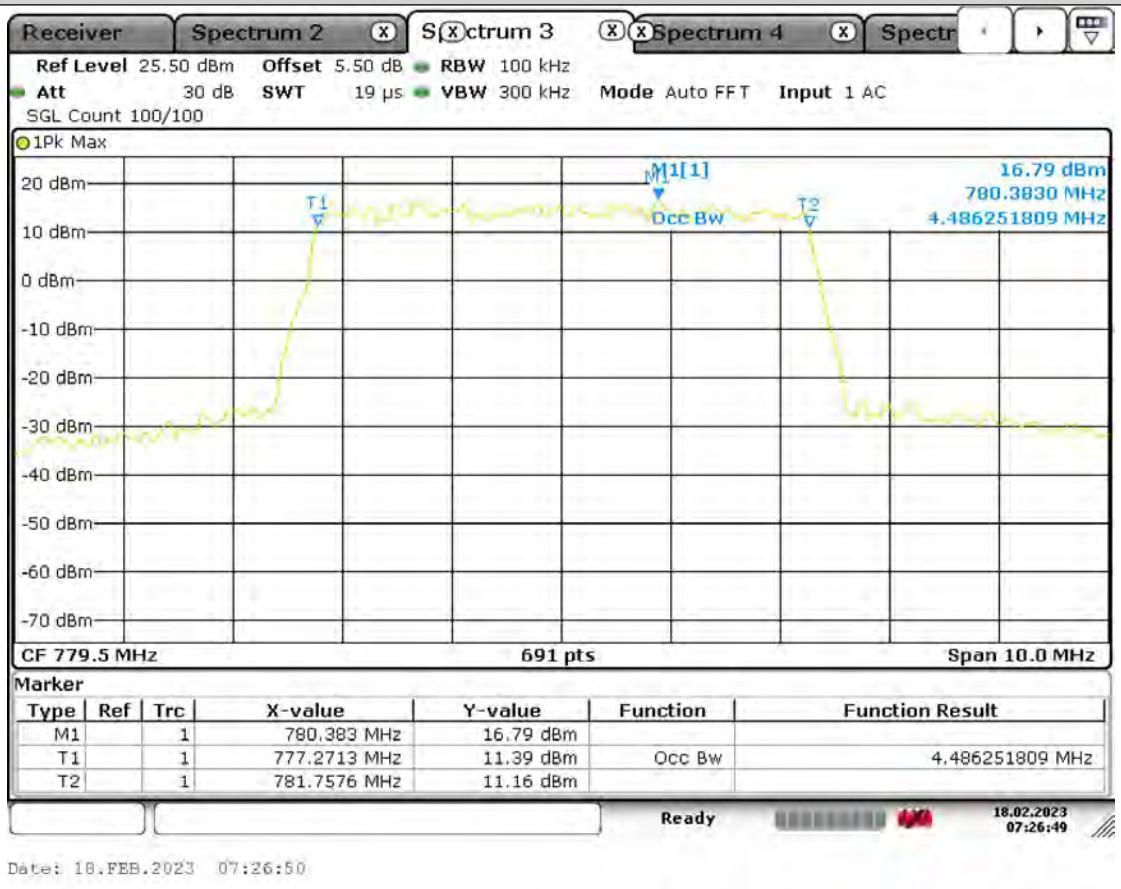
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

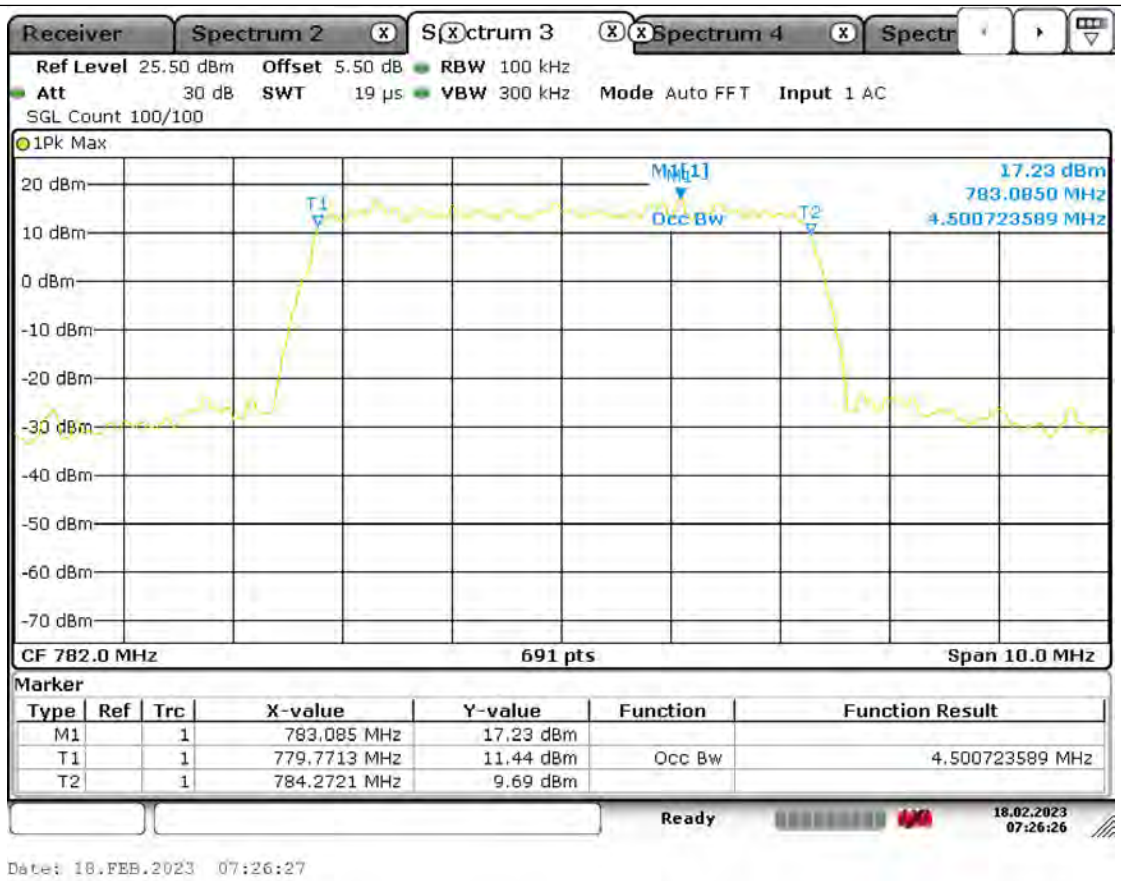
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.486	4.964	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.501	4.863	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.486	4.964	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.501	4.935	PASS
Band13	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

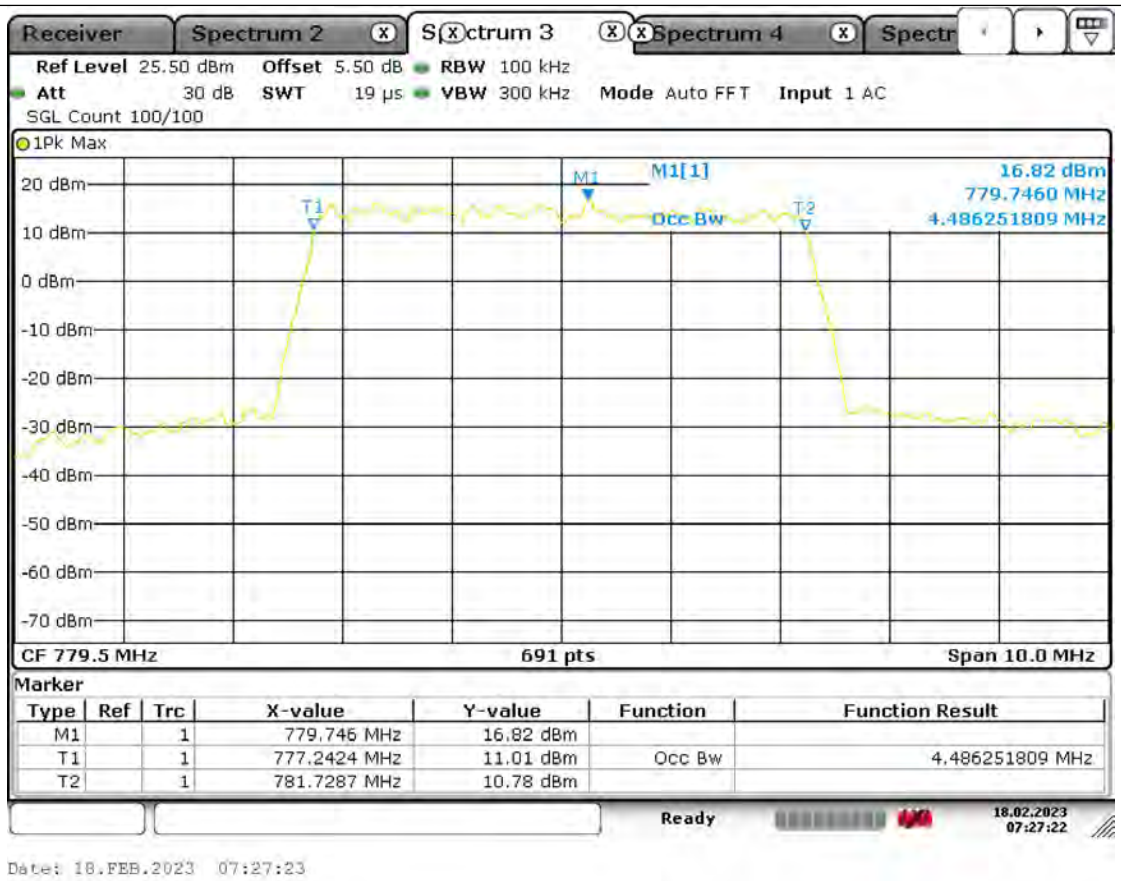
Band13-5MHz-QPSK-23205-25RB#0



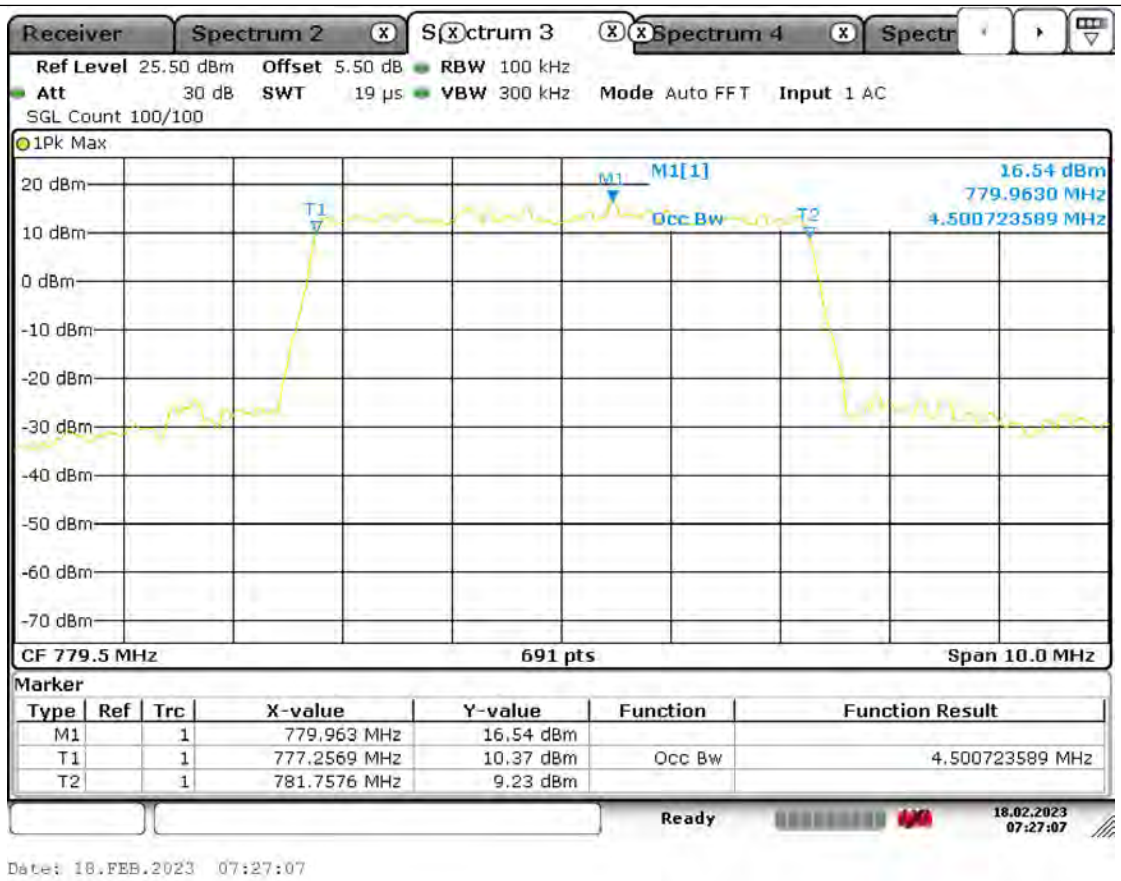
Band13-5MHz-QPSK-23230-25RB#0



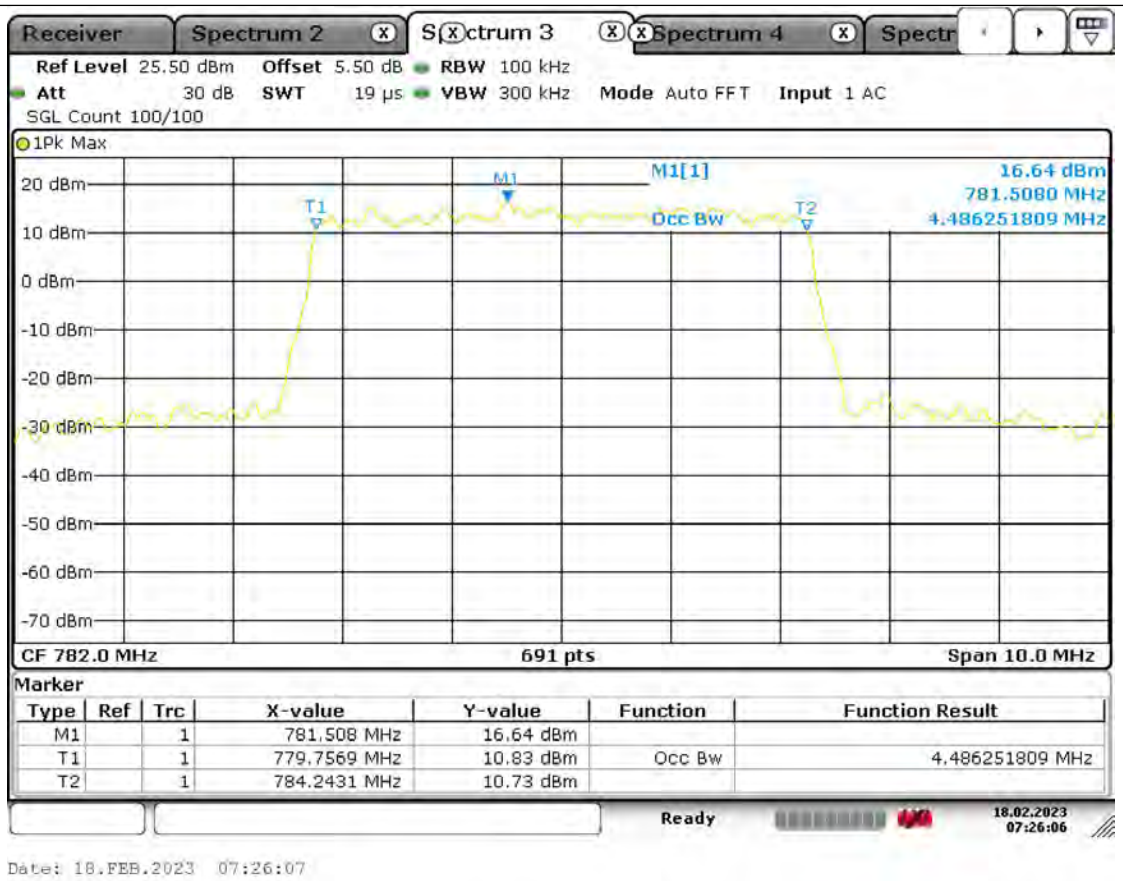
Band13-5MHz-QPSK-23255-25RB#0



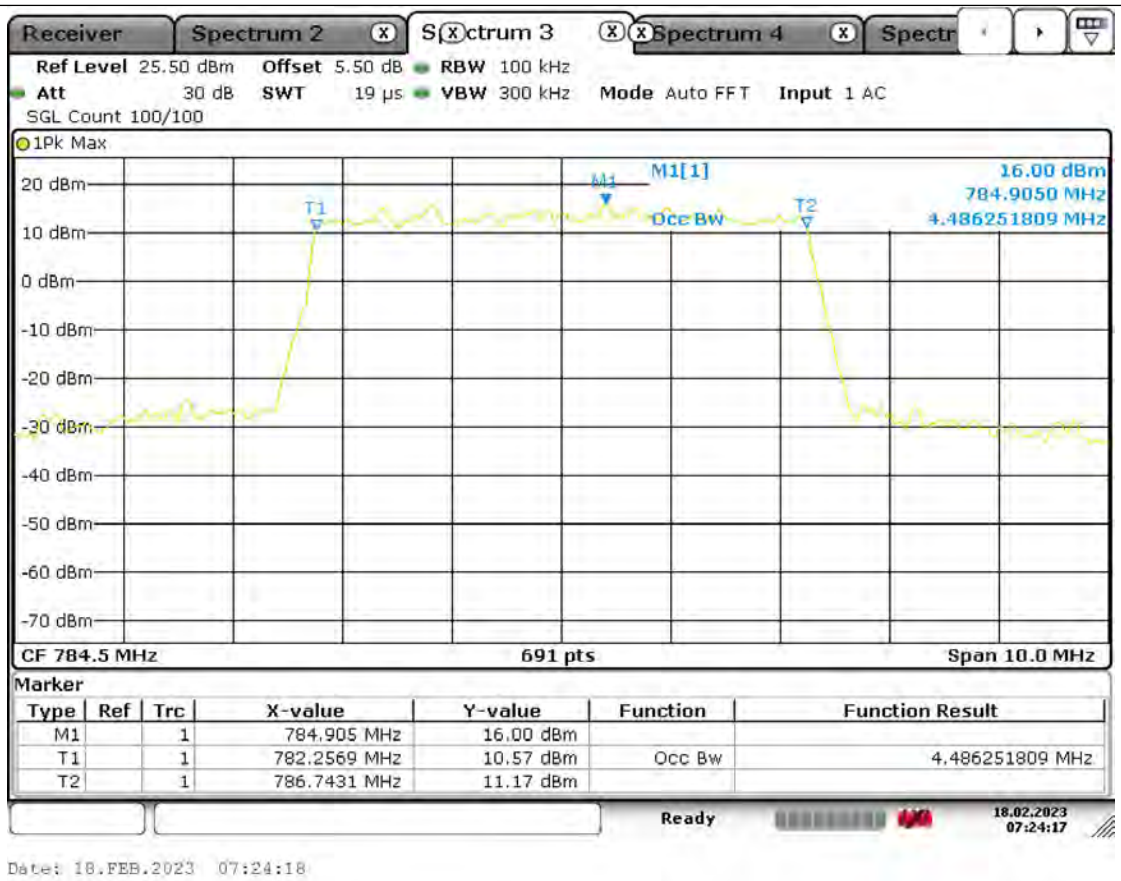
Band13-5MHz-16QAM-23205-25RB#0



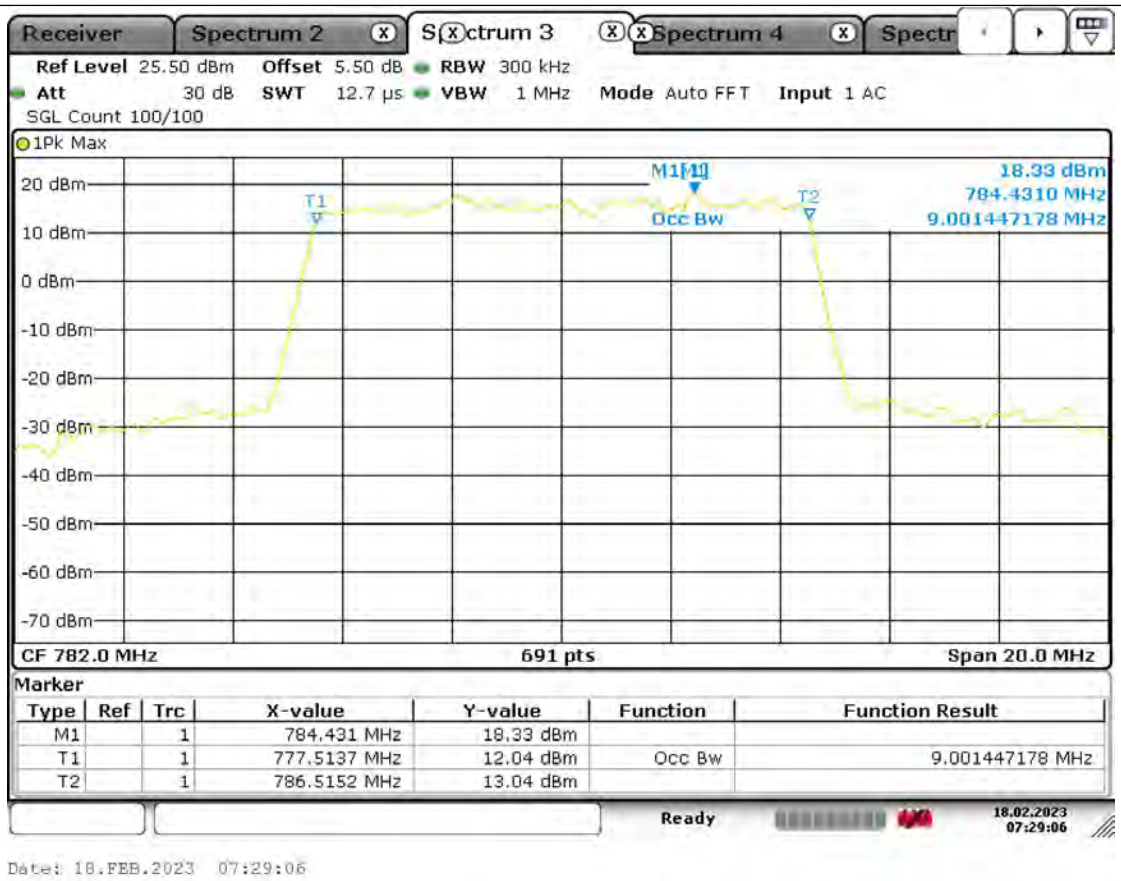
Band13-5MHz-16QAM-23230-25RB#0



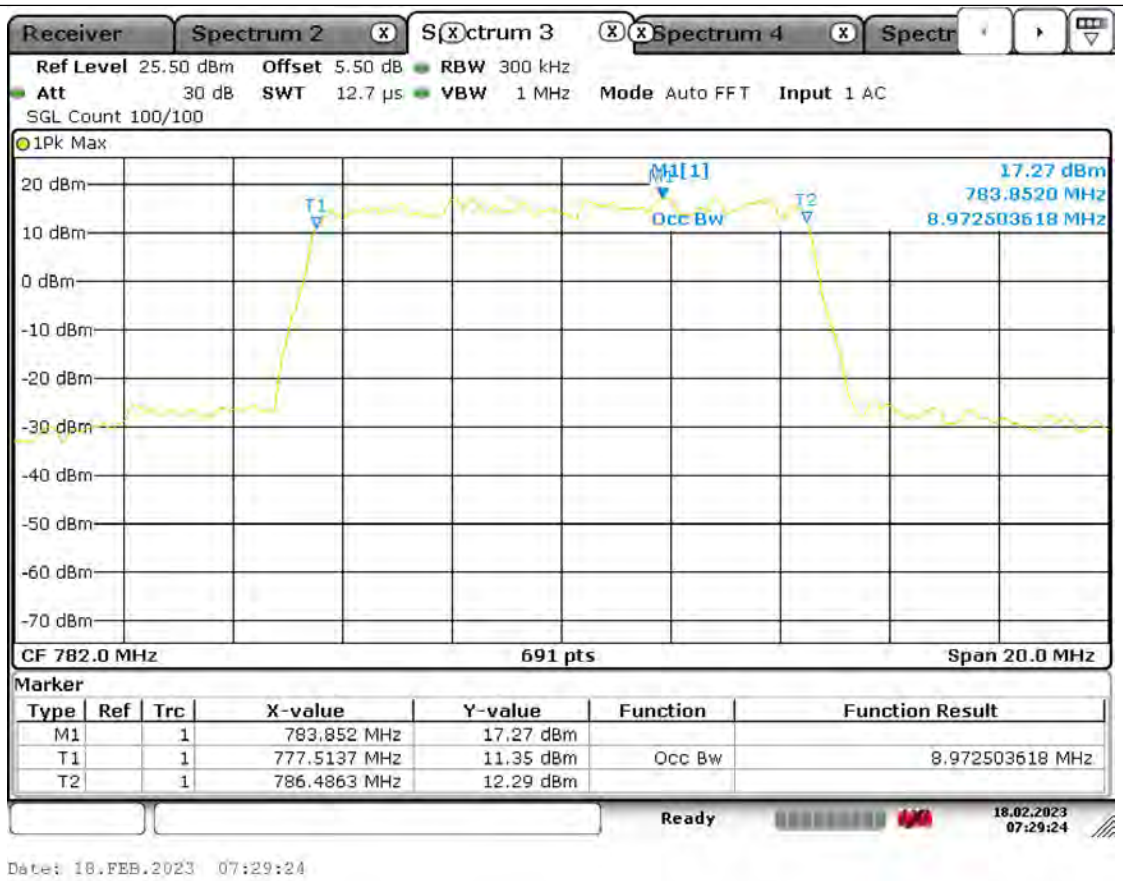
Band13-5MHz-16QAM-23255-25RB#0



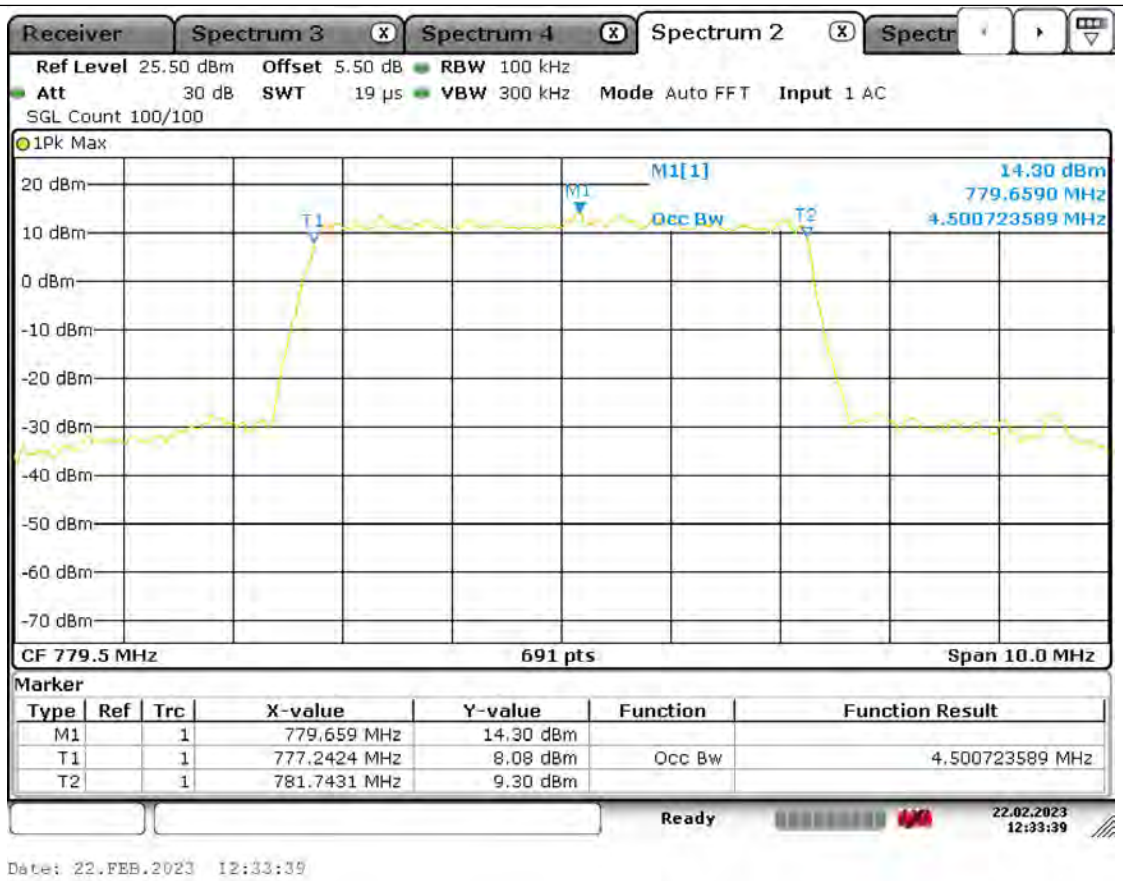
Band13-10MHz-QPSK-23230-50RB#0



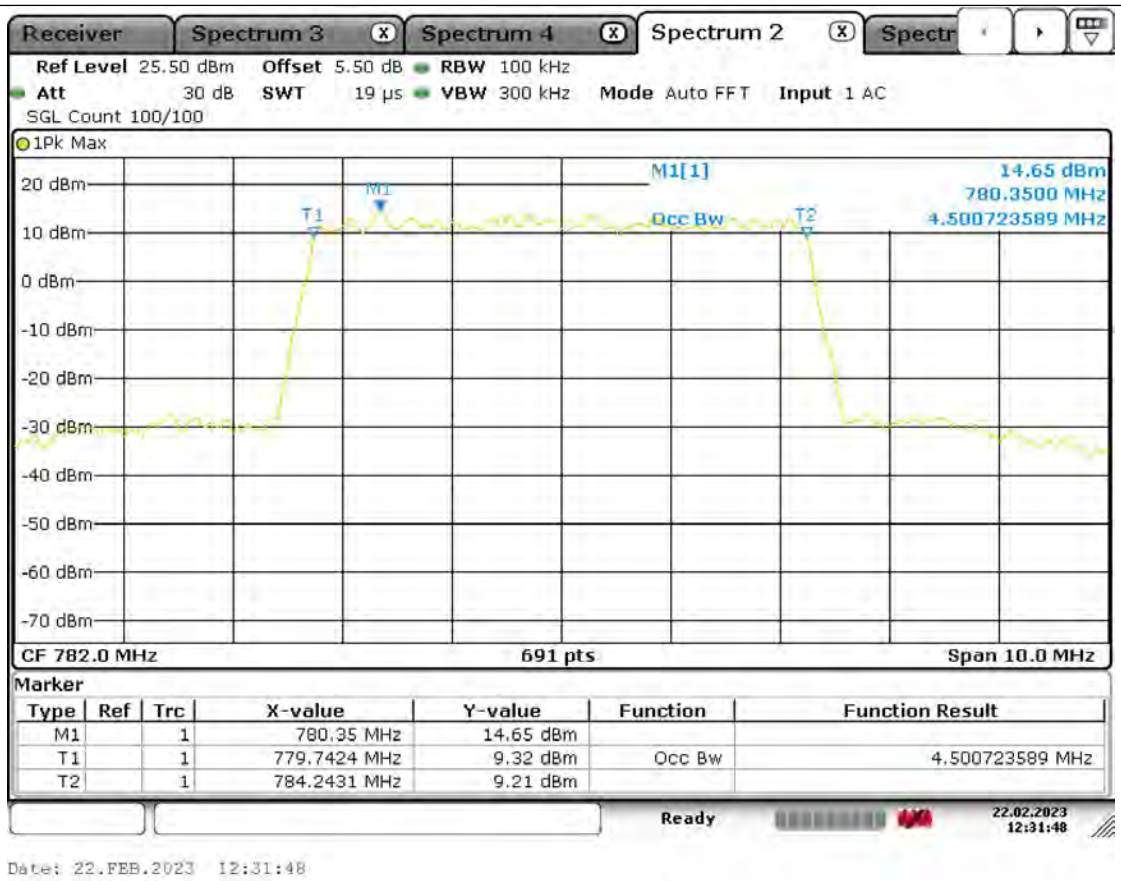
Band13-10MHz-16QAM-23230-50RB#0



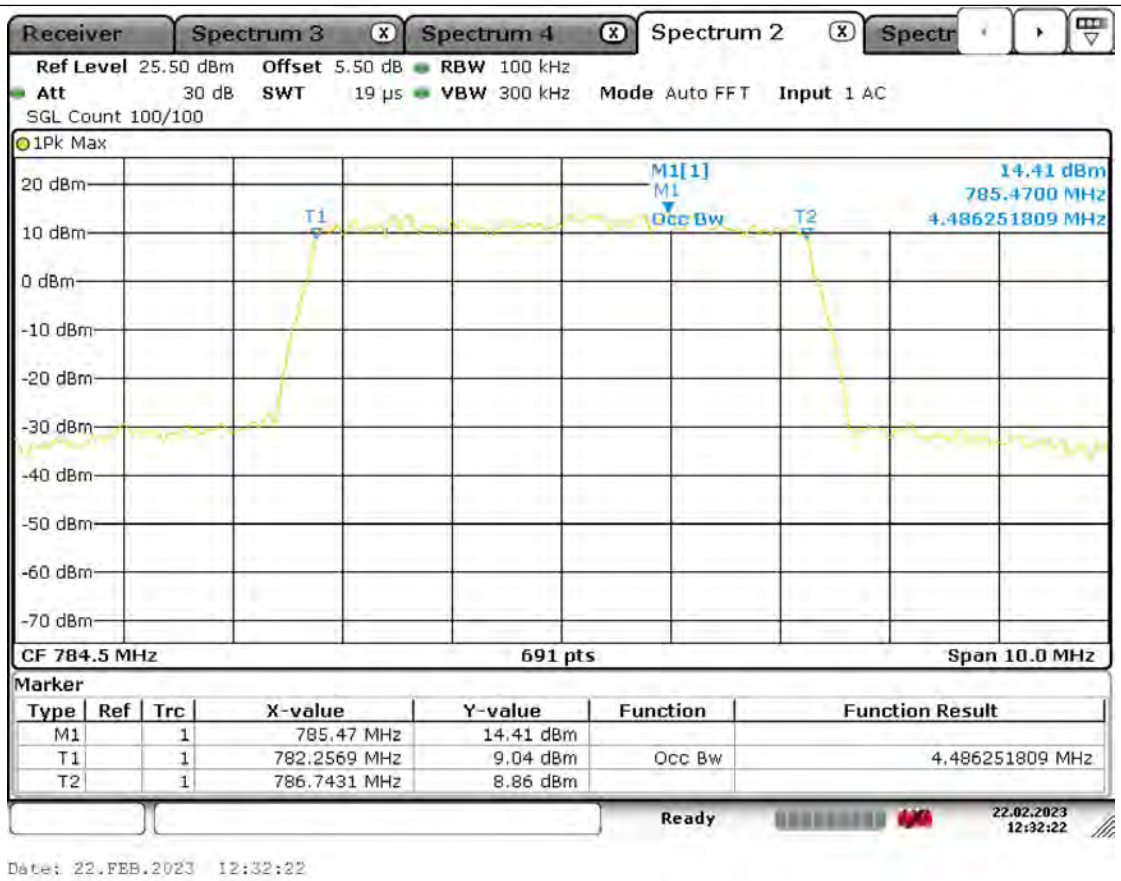
Band13-5MHz-64QAM-23205-25RB#0



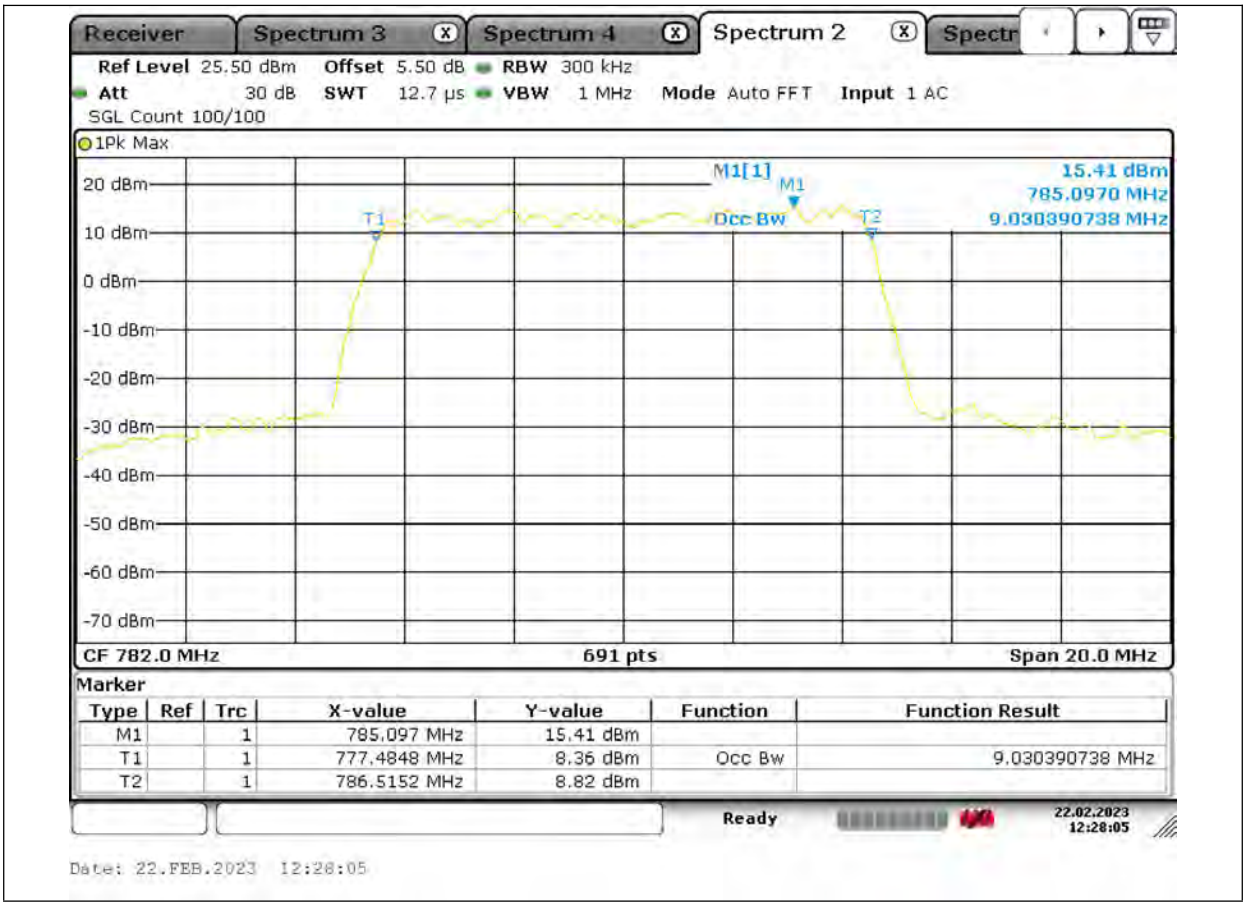
Band13-5MHz-64QAM-23230-25RB#0



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

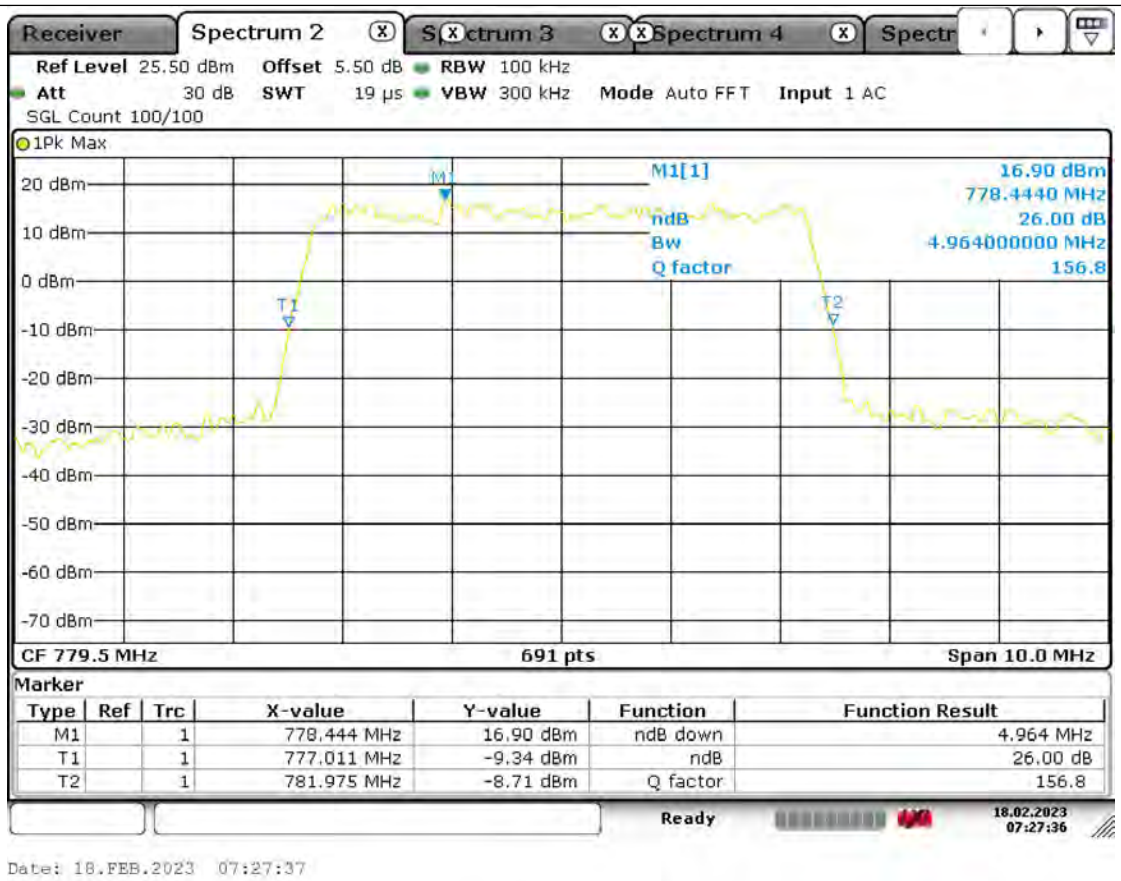


Band13-10MHz-64QAM-23230-50RB#0

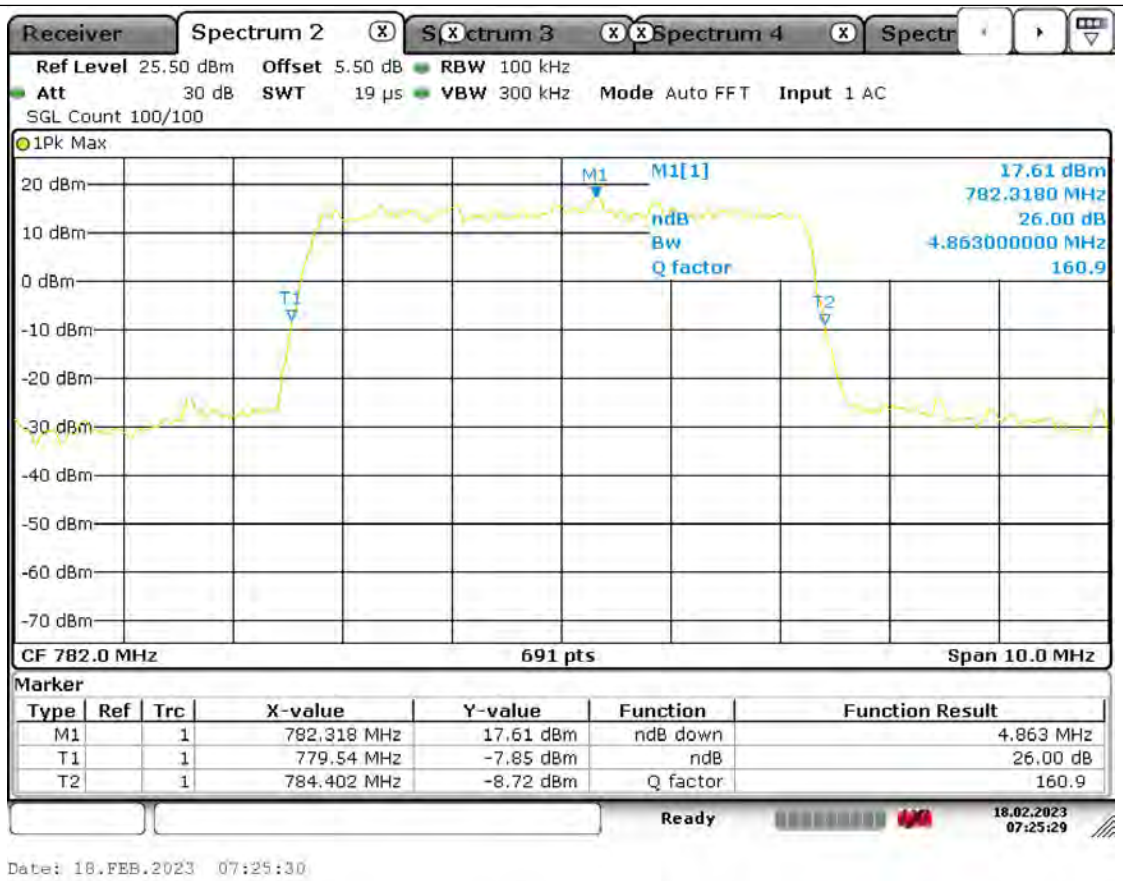


26dB Bandwidth

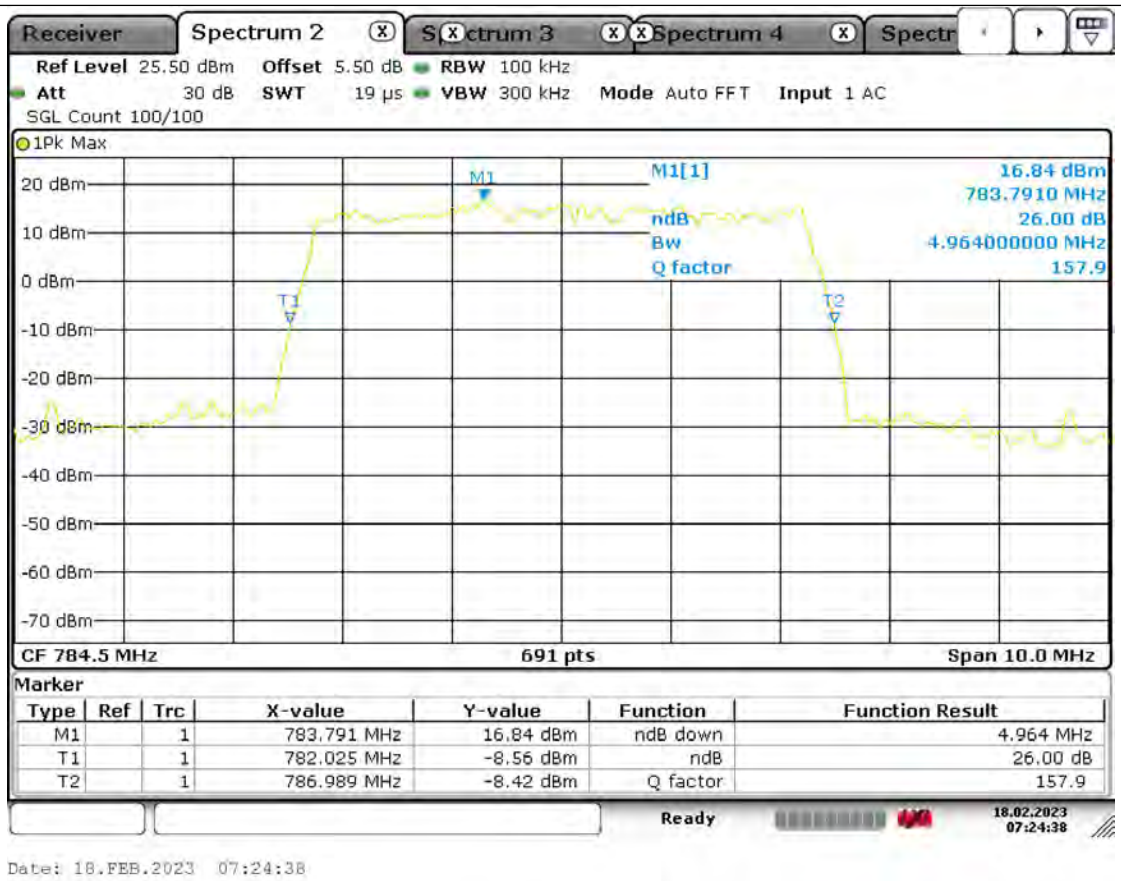
Band13-5MHz-QPSK-23205-25RB#0



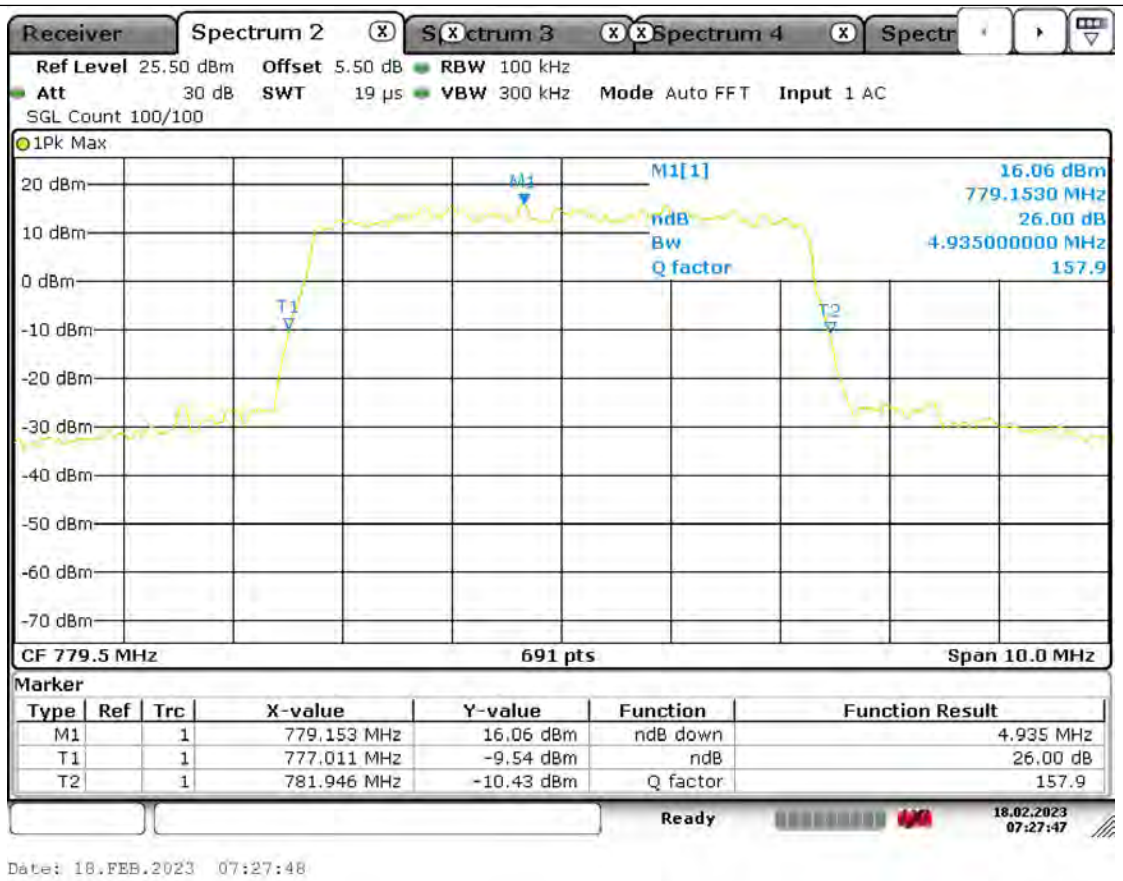
Band13-5MHz-QPSK-23230-25RB#0



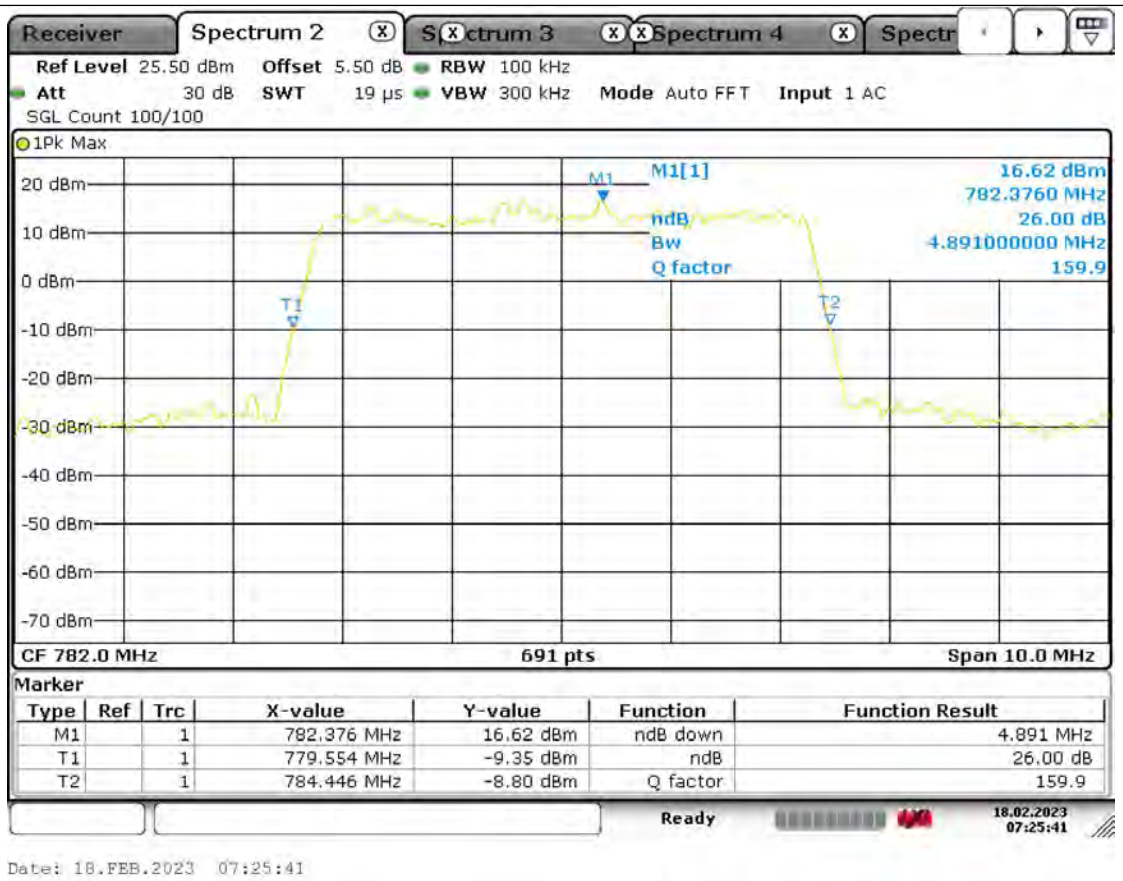
Band13-5MHz-QPSK-23255-25RB#0



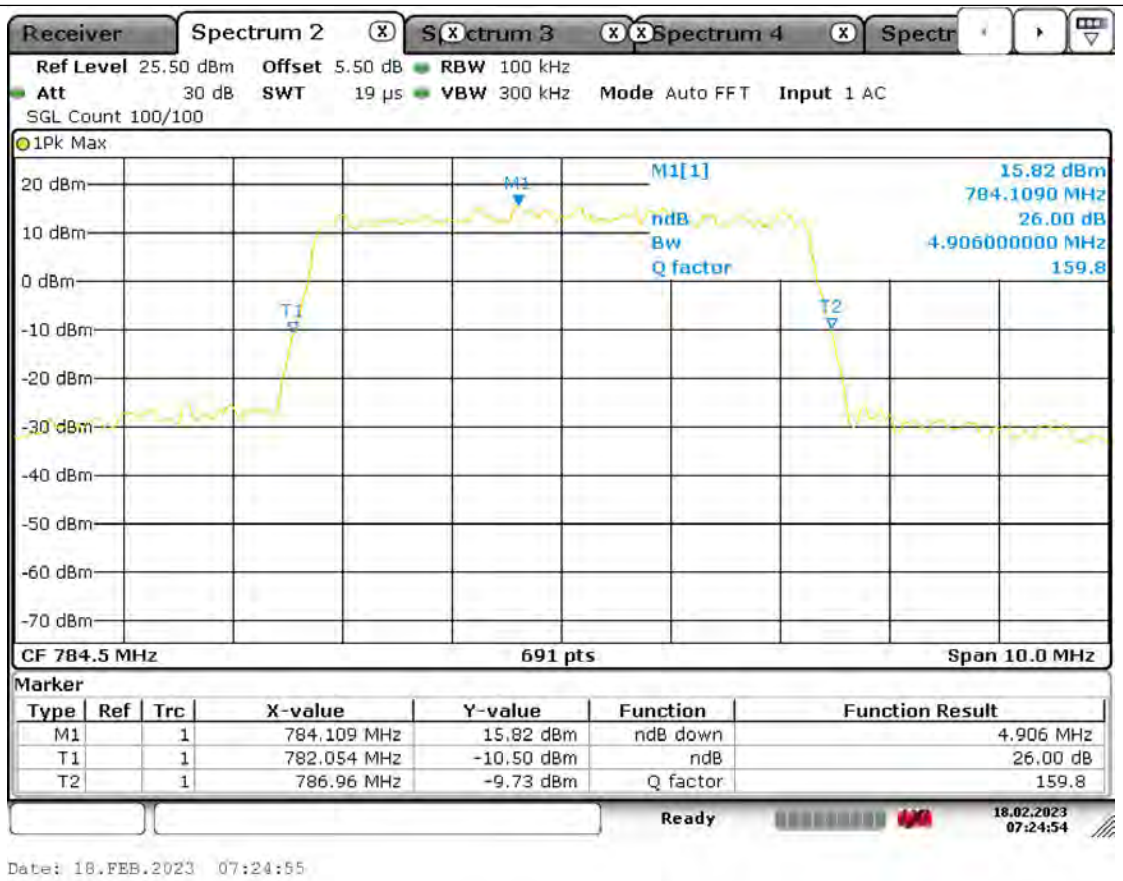
Band13-5MHz-16QAM-23205-25RB#0



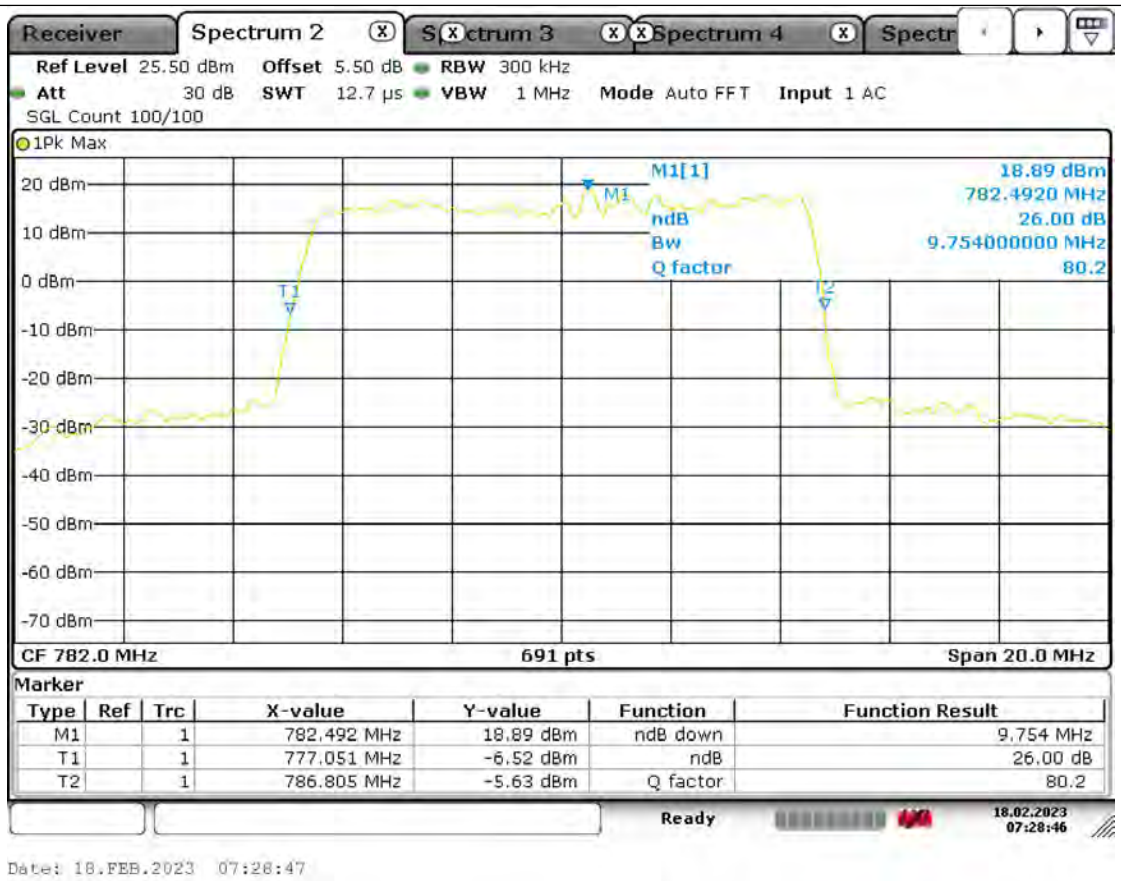
Band13-5MHz-16QAM-23230-25RB#0



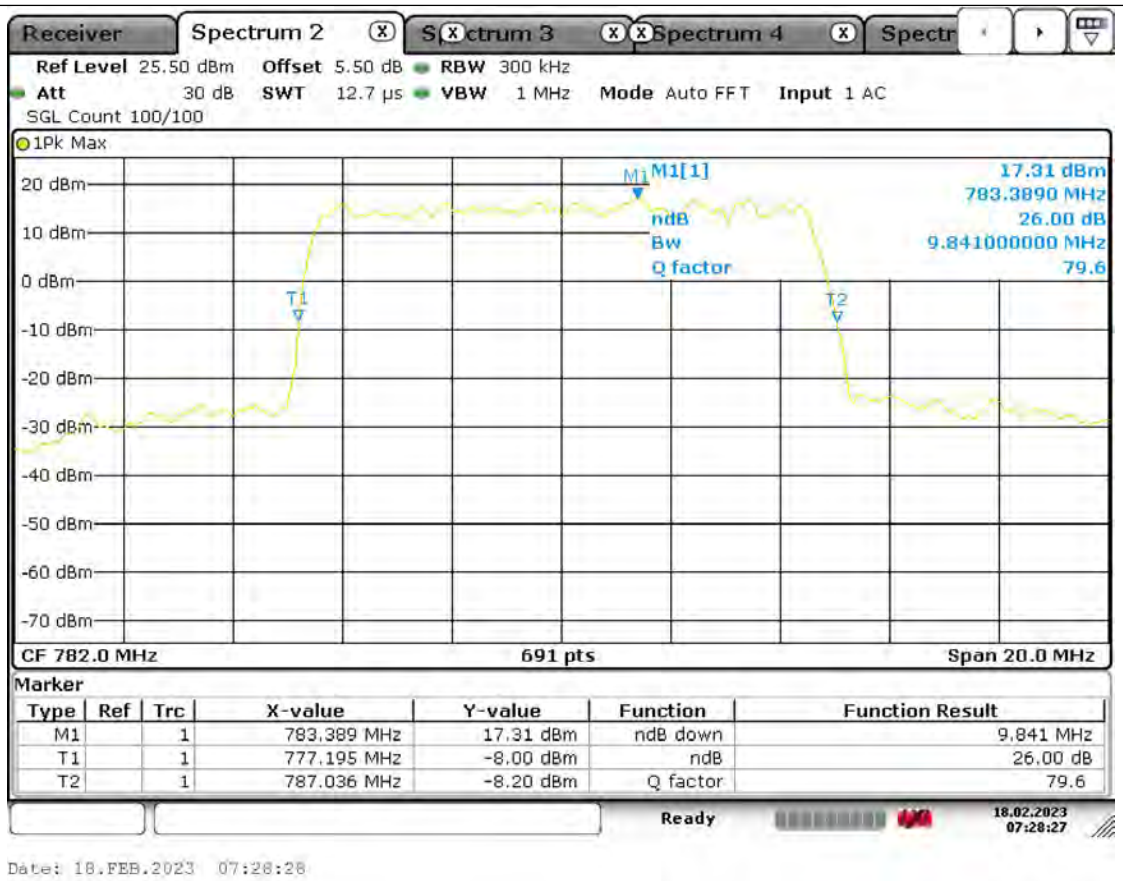
Band13-5MHz-16QAM-23255-25RB#0



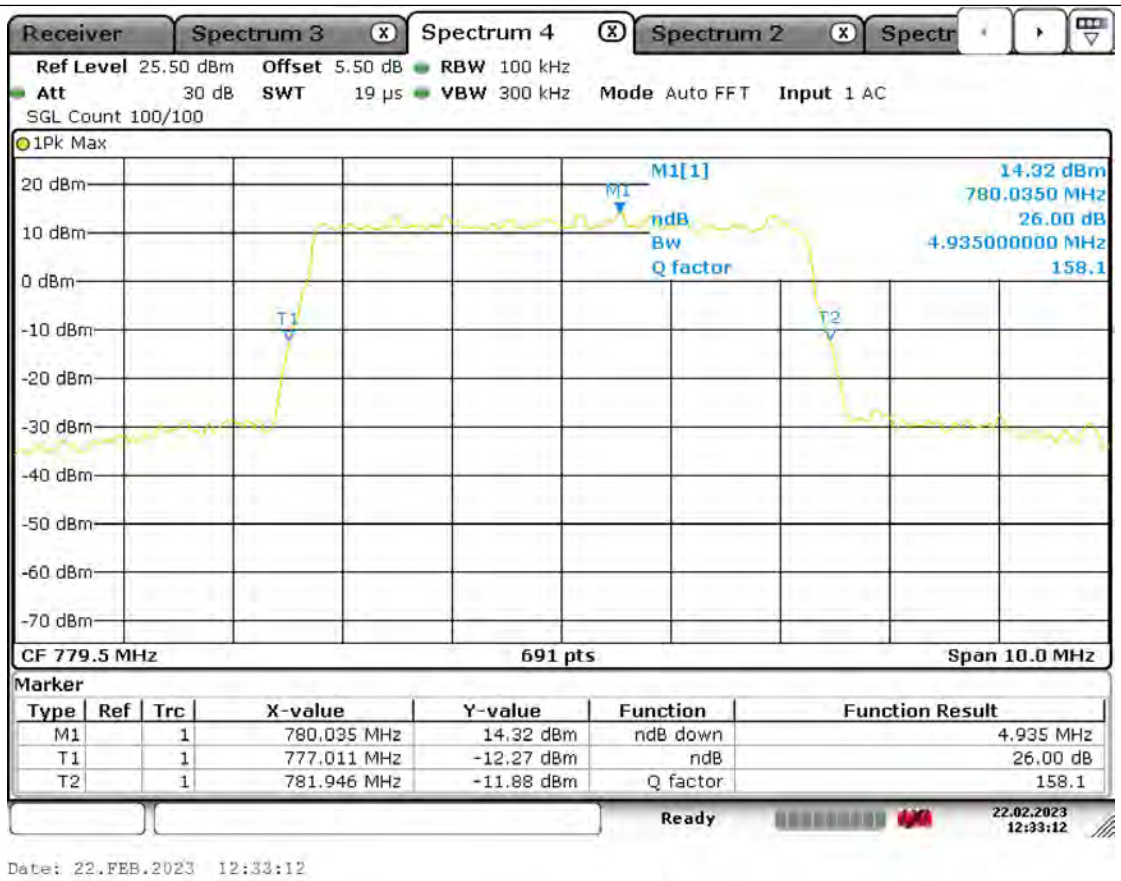
Band13-10MHz-QPSK-23230-50RB#0



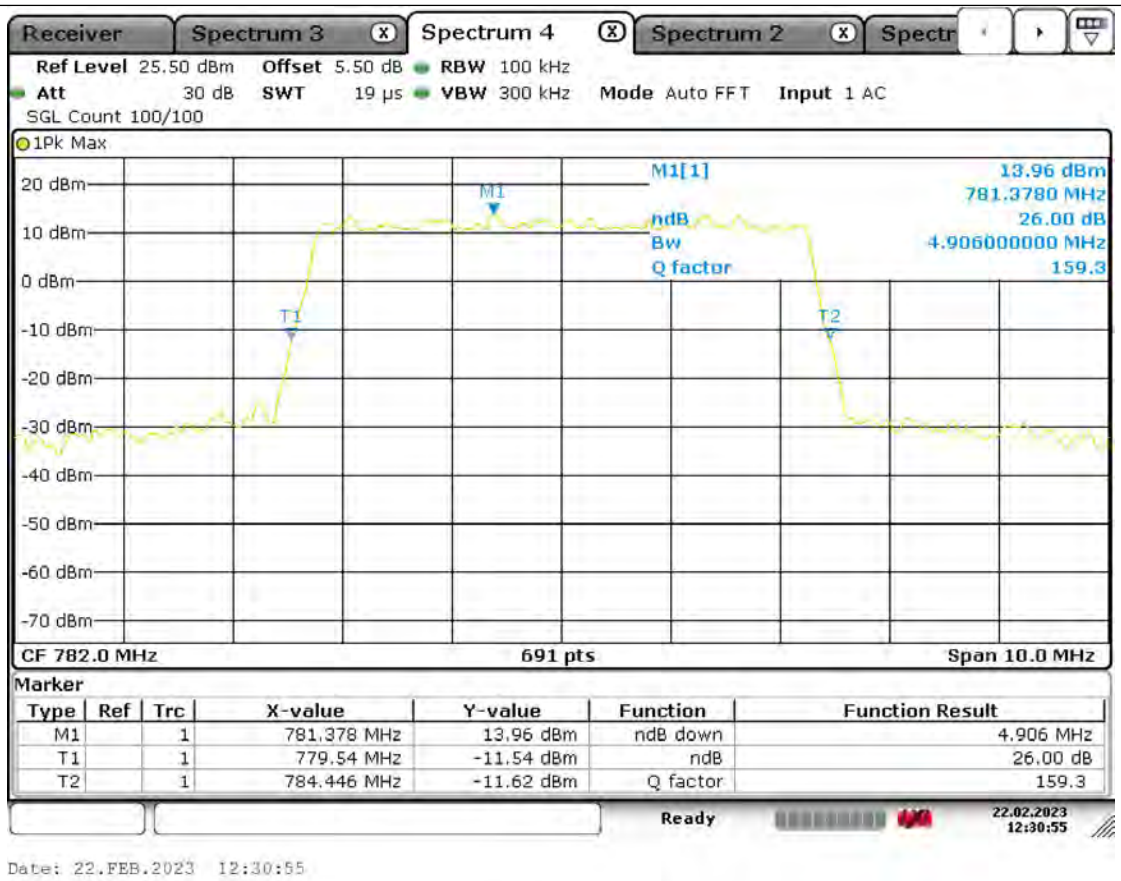
Band13-10MHz-16QAM-23230-50RB#0



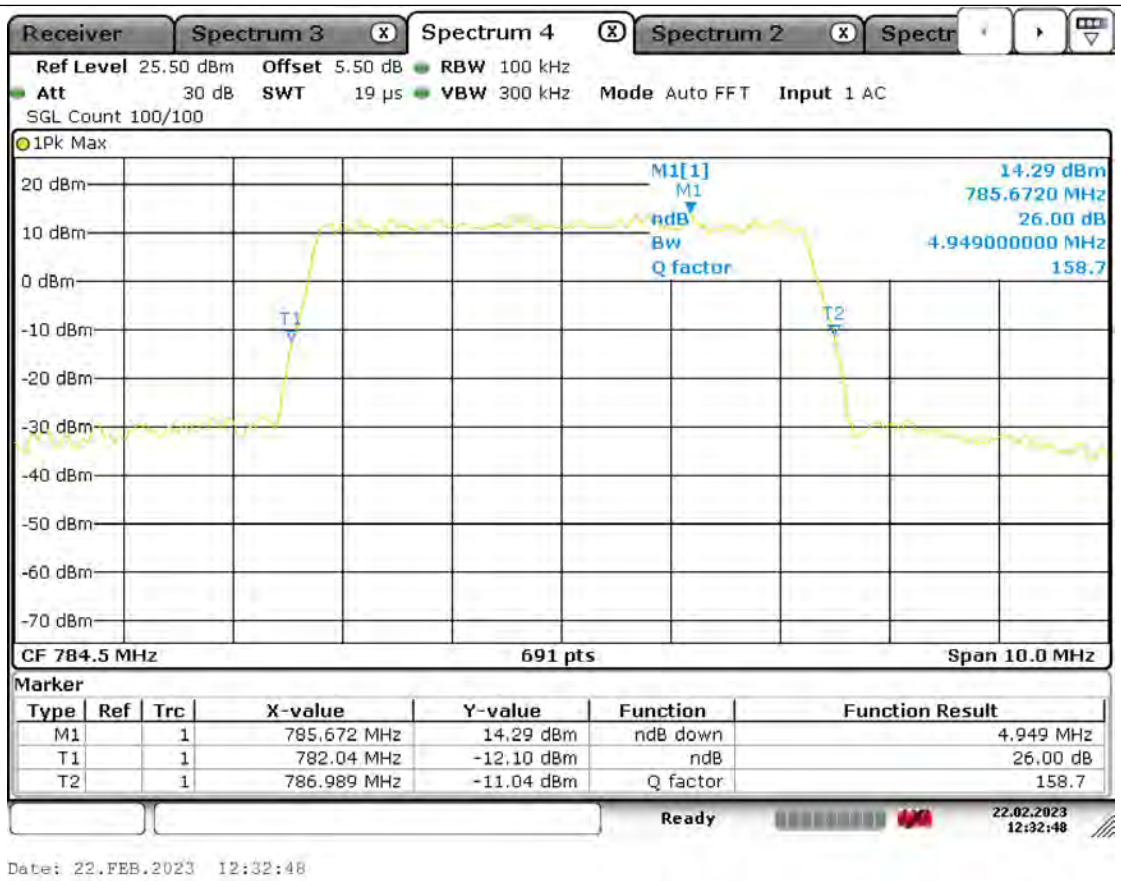
Band13-5MHz-64QAM-23205-25RB#0



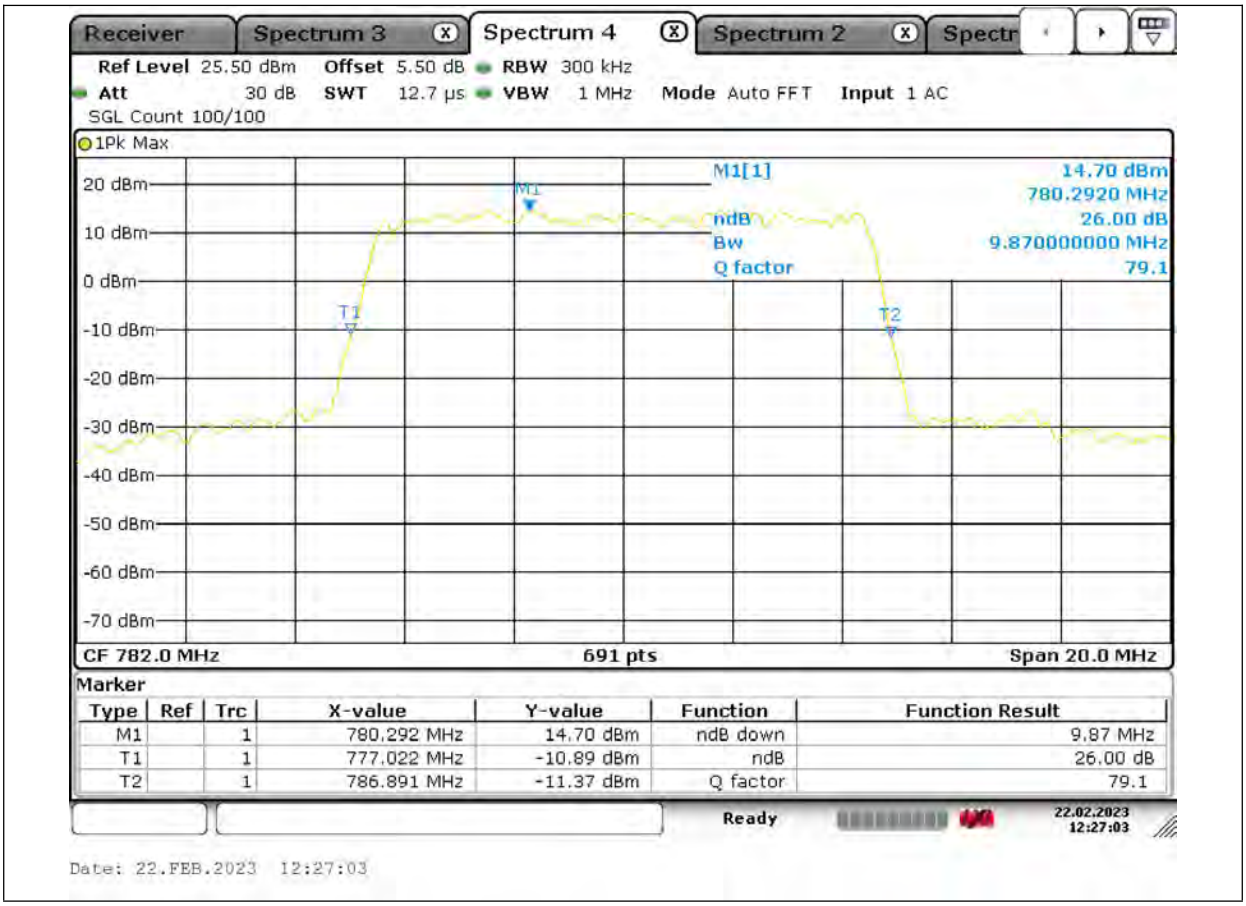
Band13-5MHz-64QAM-23230-25RB#0



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



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


Receiver
Spectrum 3
Spectrum 4
Spectrum 2
Spectr
Ref Level 25.50 dBm Offset 5.50 dB RBW 300 kHz
Att 30 dB SWT 12.7 µs VBW 1 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100
1Pk Max
M1[1] 14.70 dBm
780.2920 MHz
ndB 26.00 dB
Bw 9.870000000 MHz
Q factor 79.1
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
T1
T2
CF 782.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 780.292 MHz 14.70 dBm ndB down 9.87 MHz
T1 1 777.022 MHz -10.89 dBm ndB 26.00 dB
T2 1 786.891 MHz -11.37 dBm Q factor 79.1
Ready
22.02.2023
12:27:03
Date: 22.FEB.2023 12:27:03

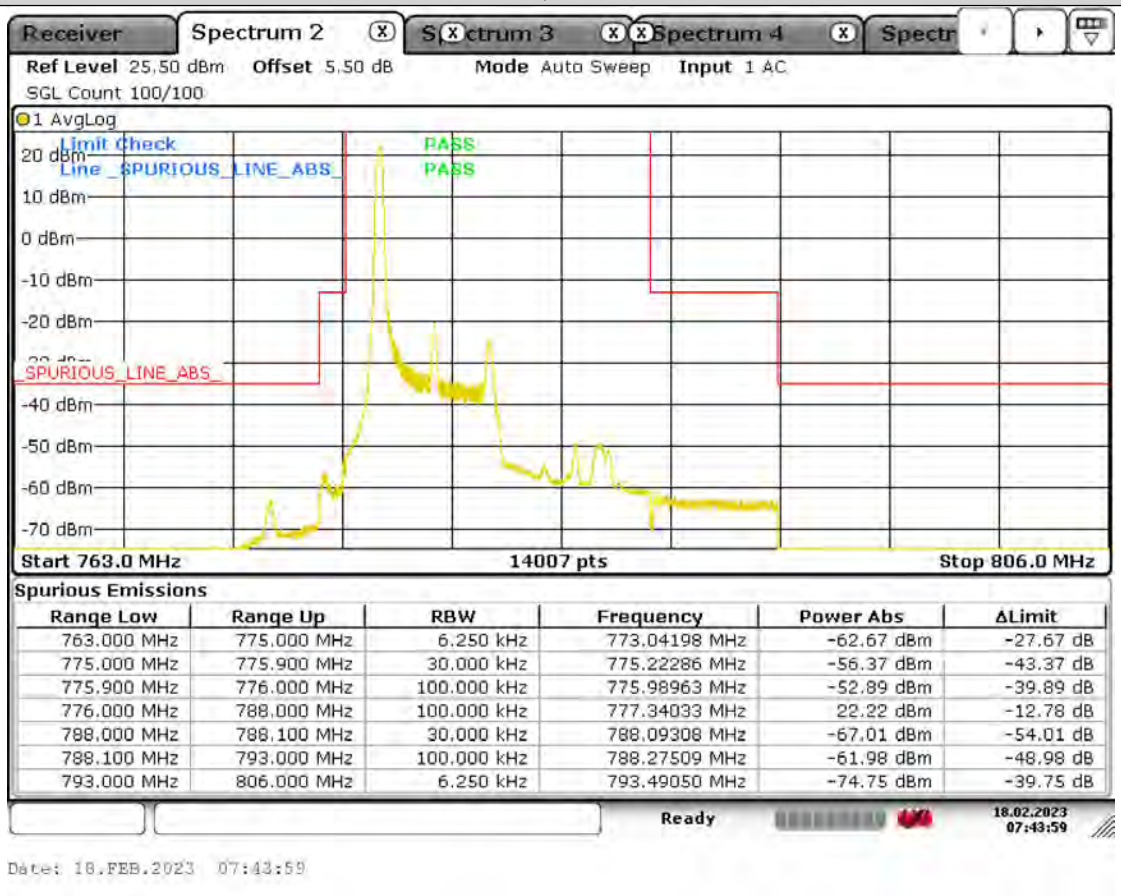
BAND EDGE

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

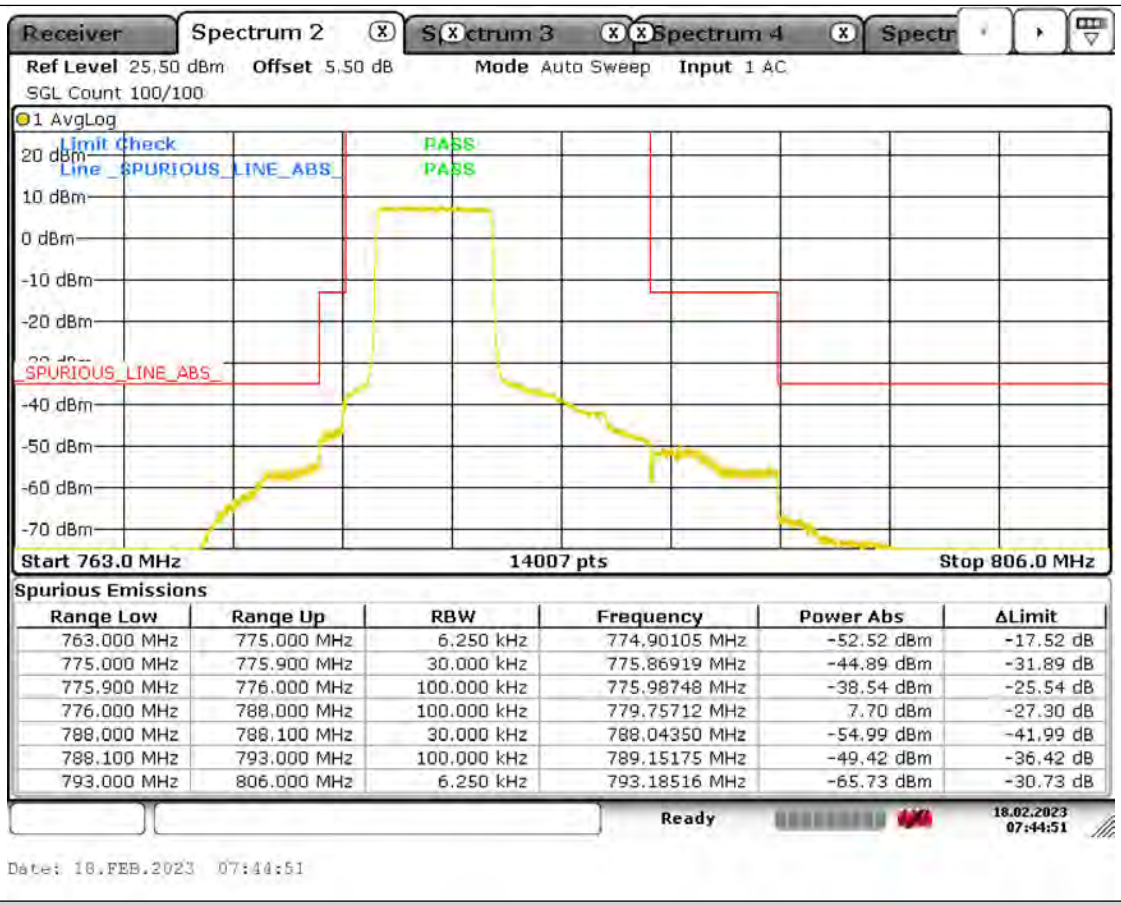
Band13-5MHz-QPSK-23205-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.04198 MHz	-62.67 dBm	-27.67 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.22286 MHz	-56.37 dBm	-43.37 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.98963 MHz	-52.89 dBm	-39.89 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34033 MHz	22.22 dBm	-12.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09308 MHz	-67.01 dBm	-54.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27509 MHz	-61.98 dBm	-48.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.49050 MHz	-74.75 dBm	-39.75 dB

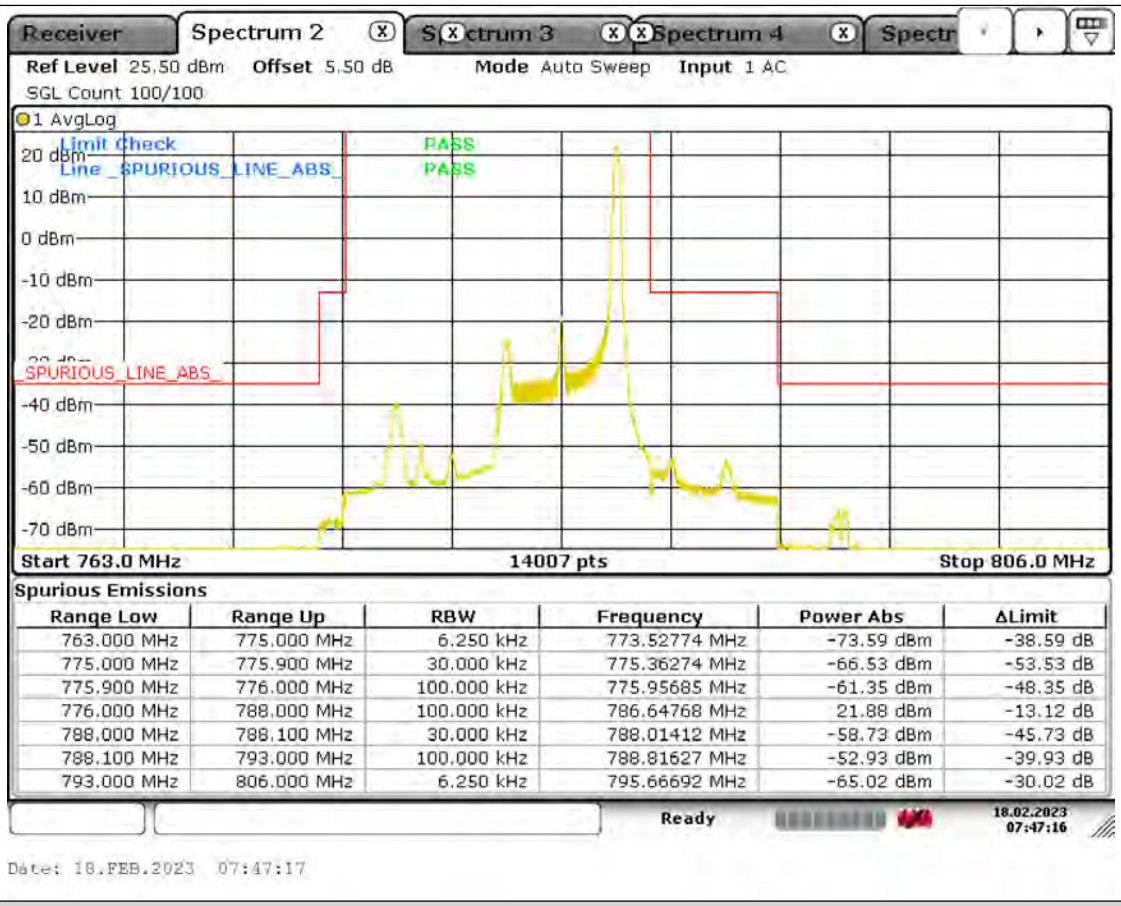
Band13-5MHz-QPSK-23205-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.90105 MHz	-52.52 dBm	-17.52 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.86919 MHz	-44.89 dBm	-31.89 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.98748 MHz	-38.54 dBm	-25.54 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.75712 MHz	7.70 dBm	-27.30 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04350 MHz	-54.99 dBm	-41.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.15175 MHz	-49.42 dBm	-36.42 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.18516 MHz	-65.73 dBm	-30.73 dB

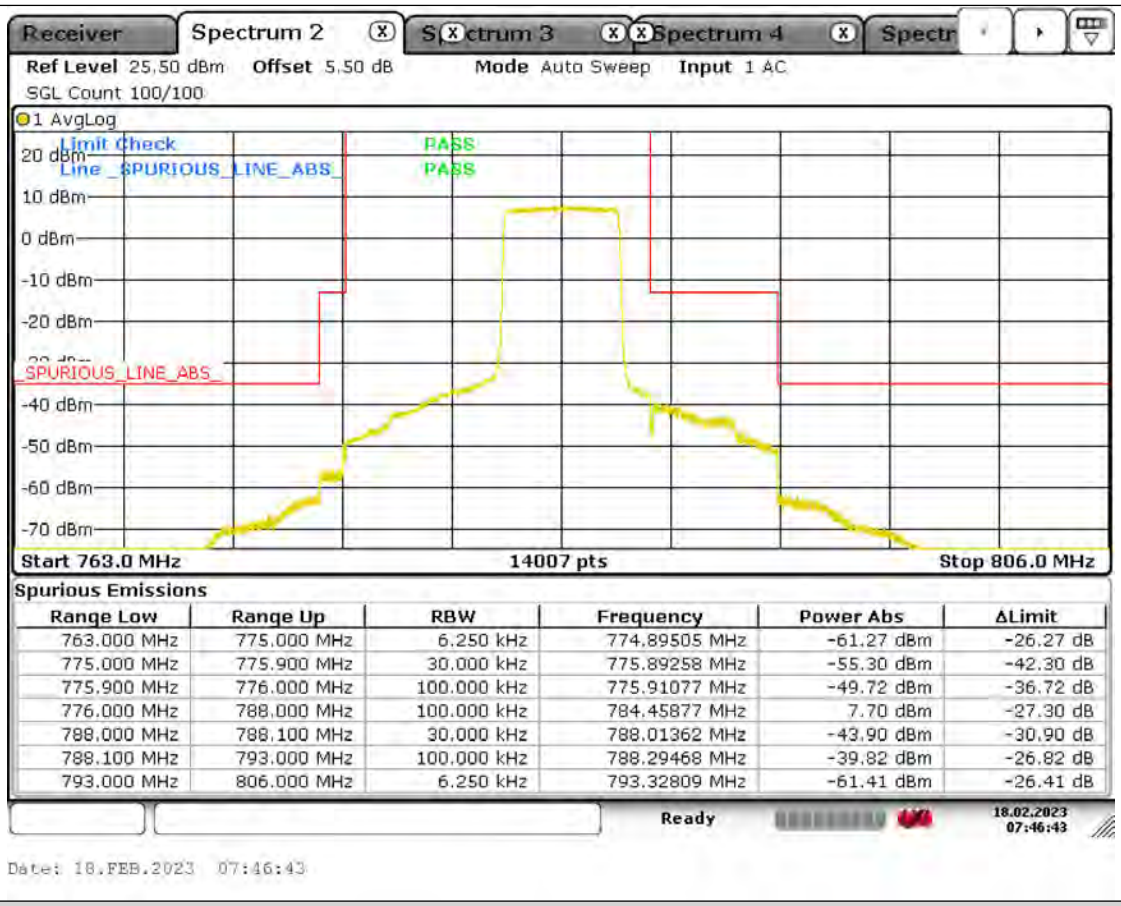
Band13-5MHz-QPSK-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.52774 MHz	-73.59 dBm	-38.59 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.36274 MHz	-66.53 dBm	-53.53 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.95685 MHz	-61.35 dBm	-48.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.64768 MHz	21.88 dBm	-13.12 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01412 MHz	-58.73 dBm	-45.73 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.81627 MHz	-52.93 dBm	-39.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.66692 MHz	-65.02 dBm	-30.02 dB

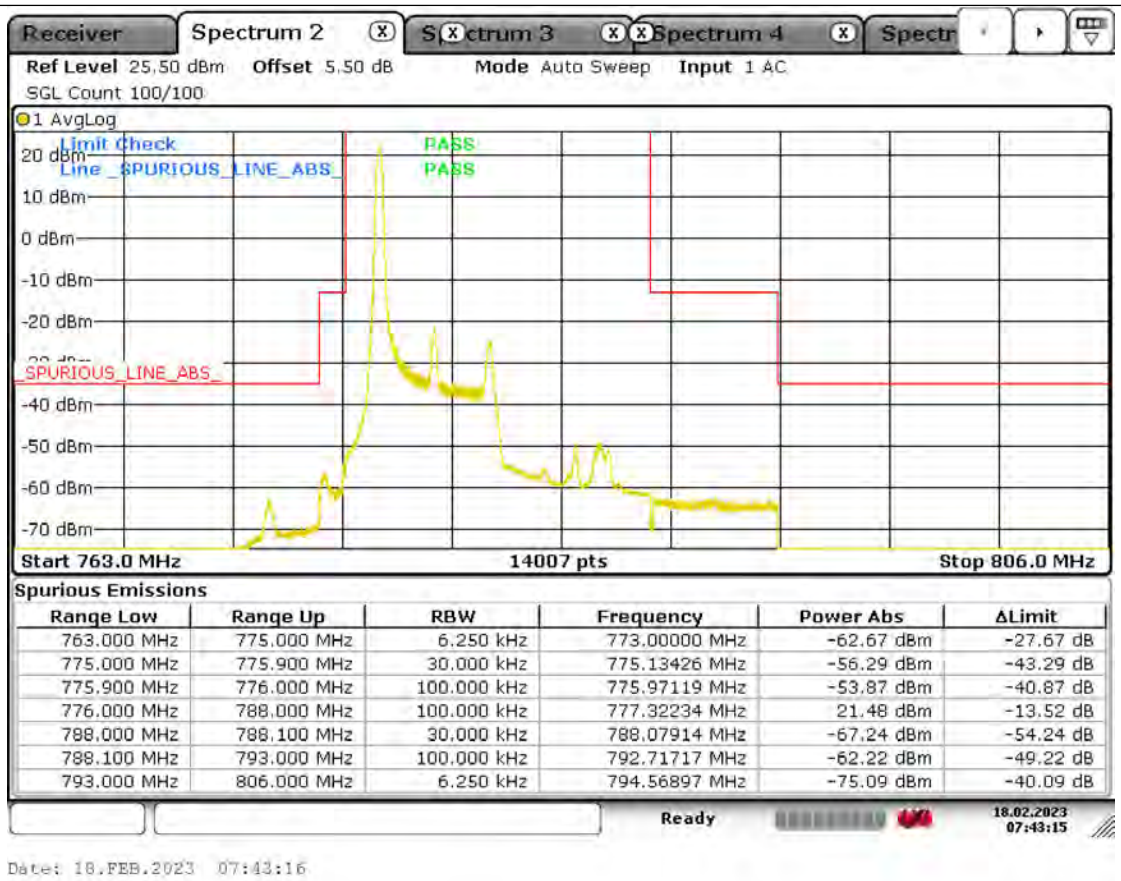
Band13-5MHz-QPSK-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89505 MHz	-61.27 dBm	-26.27 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.89258 MHz	-55.30 dBm	-42.30 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.91077 MHz	-49.72 dBm	-36.72 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.45877 MHz	7.70 dBm	-27.30 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01362 MHz	-43.90 dBm	-30.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.29468 MHz	-39.82 dBm	-26.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.32809 MHz	-61.41 dBm	-26.41 dB

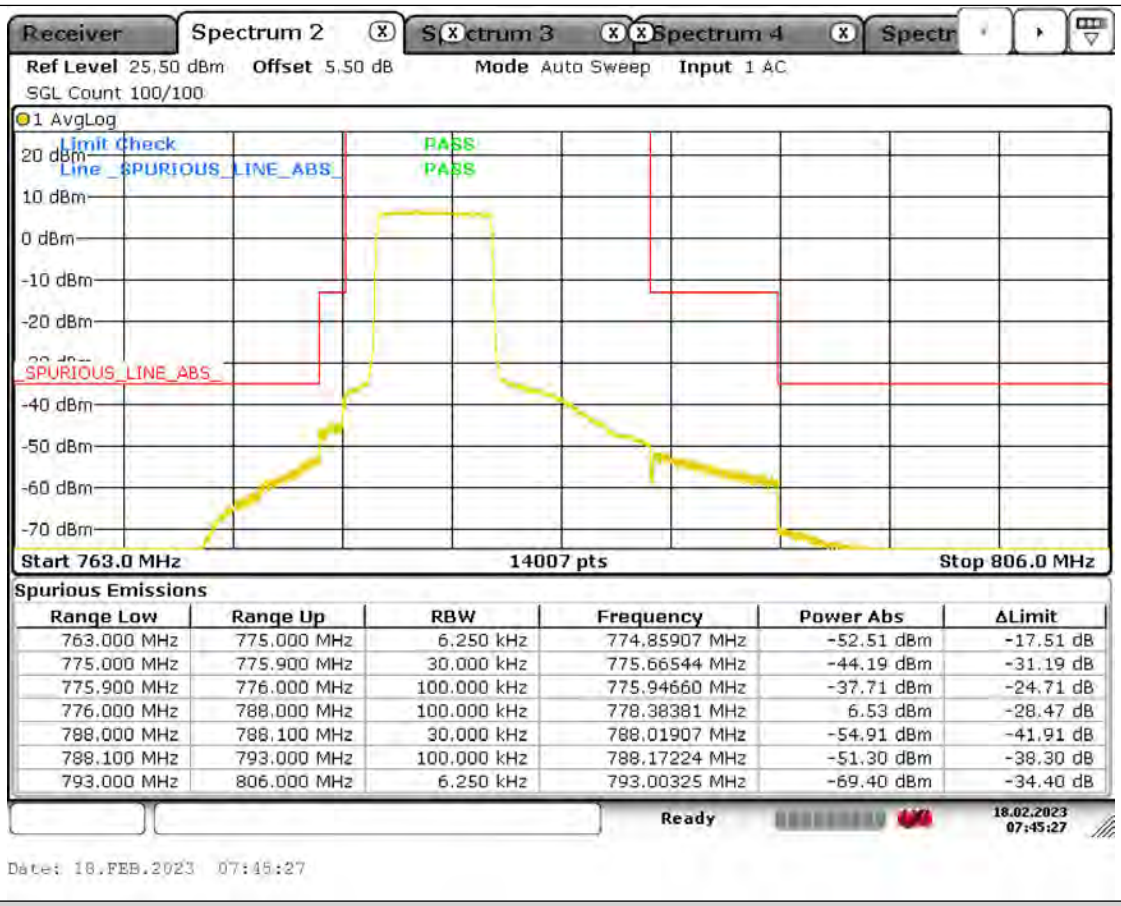
Band13-5MHz-16QAM-23205-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.00000 MHz	-62.67 dBm	-27.67 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.13426 MHz	-56.29 dBm	-43.29 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.97119 MHz	-53.87 dBm	-40.87 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32234 MHz	21.48 dBm	-13.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07914 MHz	-67.24 dBm	-54.24 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.71717 MHz	-62.22 dBm	-49.22 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.56897 MHz	-75.09 dBm	-40.09 dB

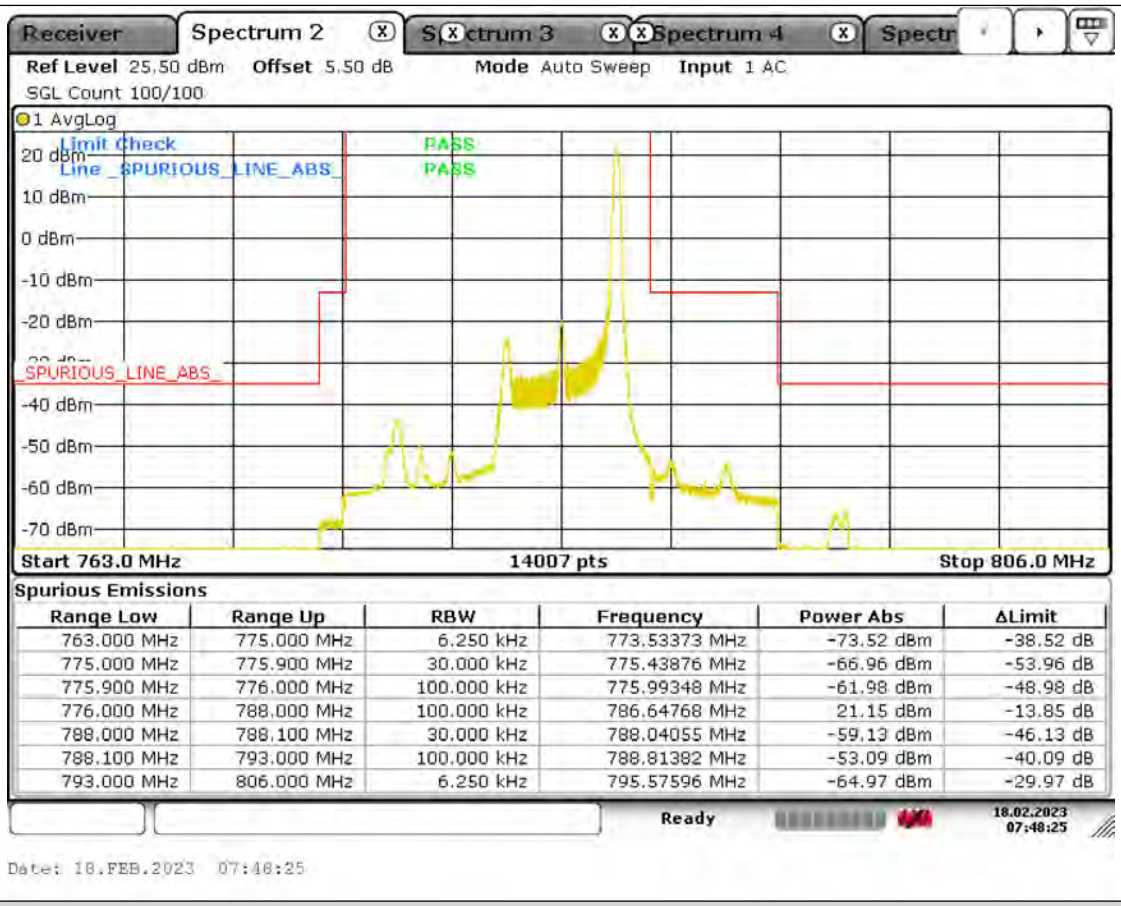
Band13-5MHz-16QAM-23205-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85907 MHz	-52.51 dBm	-17.51 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.66544 MHz	-44.19 dBm	-31.19 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.94660 MHz	-37.71 dBm	-24.71 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.38381 MHz	6.53 dBm	-28.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01907 MHz	-54.91 dBm	-41.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.17224 MHz	-51.30 dBm	-38.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00325 MHz	-69.40 dBm	-34.40 dB

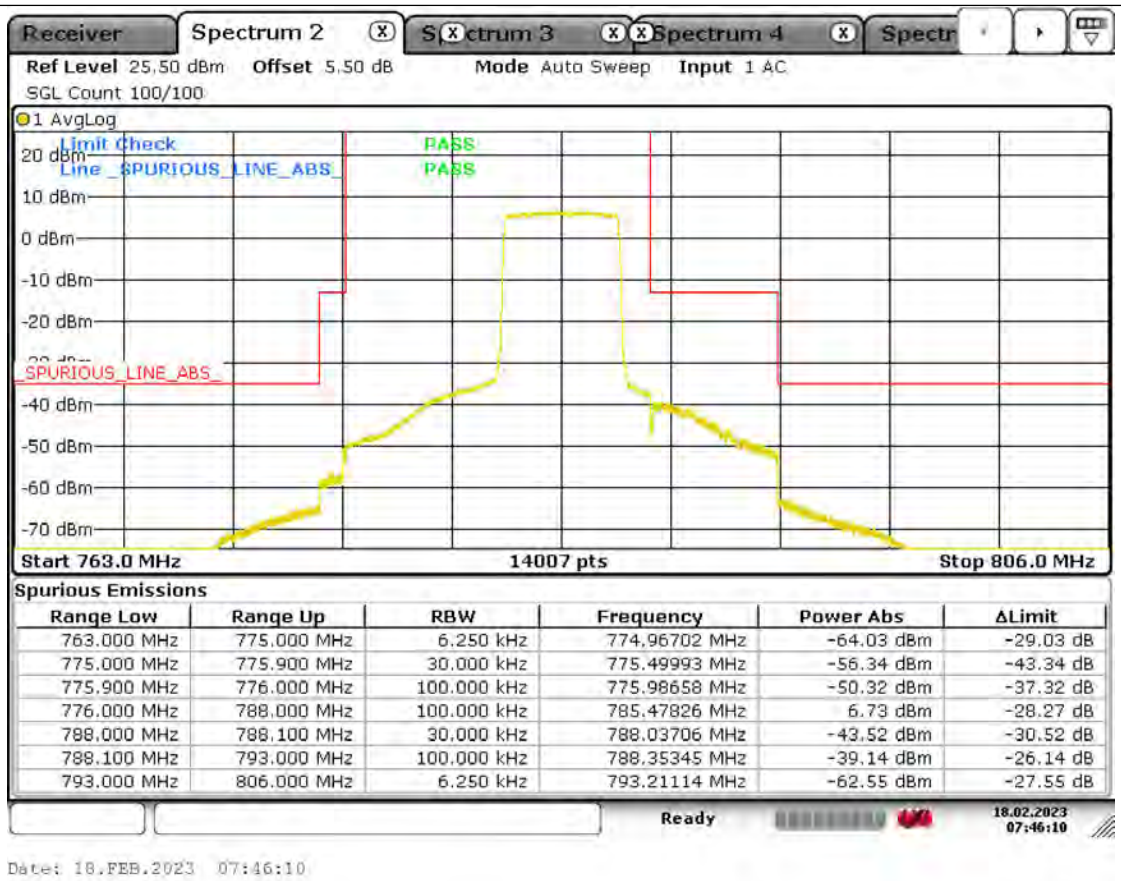
Band13-5MHz-16QAM-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.53373 MHz	-73.52 dBm	-38.52 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.43876 MHz	-66.96 dBm	-53.96 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.99348 MHz	-61.98 dBm	-48.98 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.64768 MHz	21.15 dBm	-13.85 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04055 MHz	-59.13 dBm	-46.13 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.81382 MHz	-53.09 dBm	-40.09 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.57596 MHz	-64.97 dBm	-29.97 dB

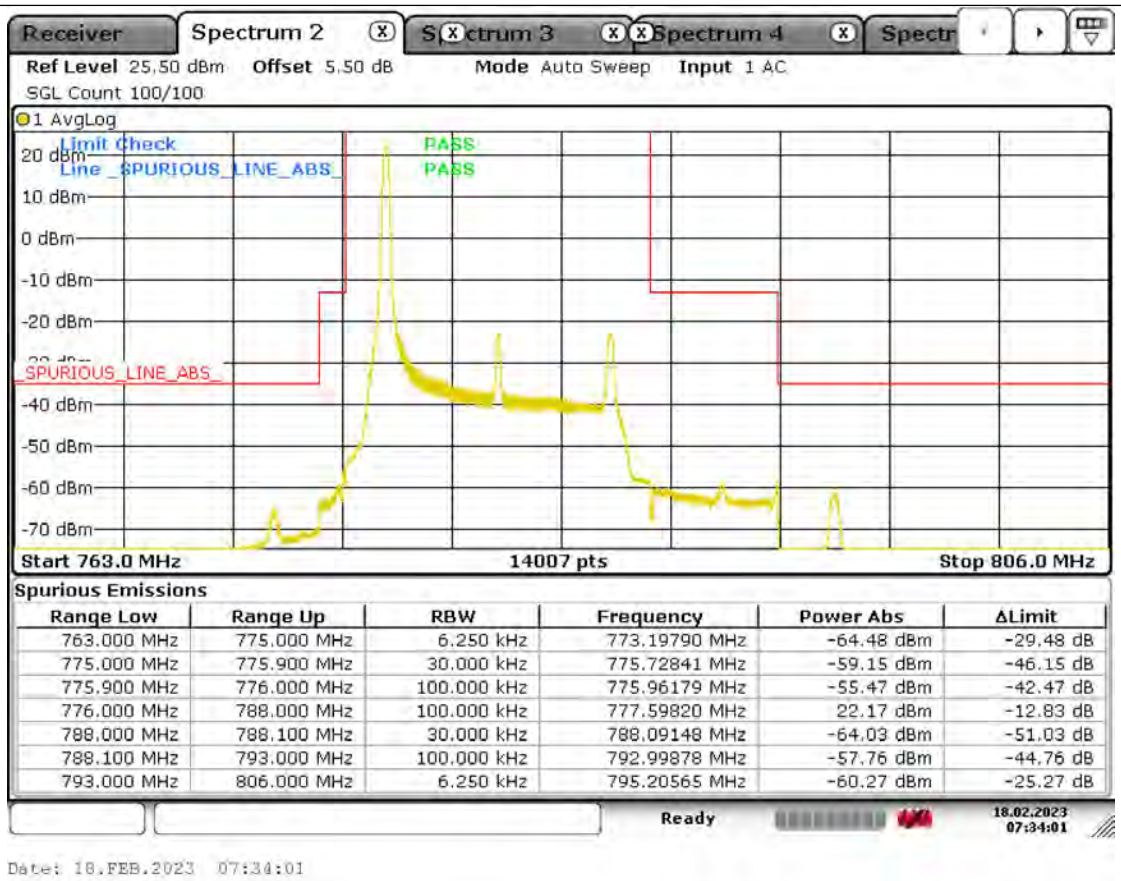
Band13-5MHz-16QAM-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.96702 MHz	-64.03 dBm	-29.03 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.49993 MHz	-56.34 dBm	-43.34 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.98658 MHz	-50.32 dBm	-37.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.47826 MHz	6.73 dBm	-28.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03706 MHz	-43.52 dBm	-30.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.35345 MHz	-39.14 dBm	-26.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.21114 MHz	-62.55 dBm	-27.55 dB

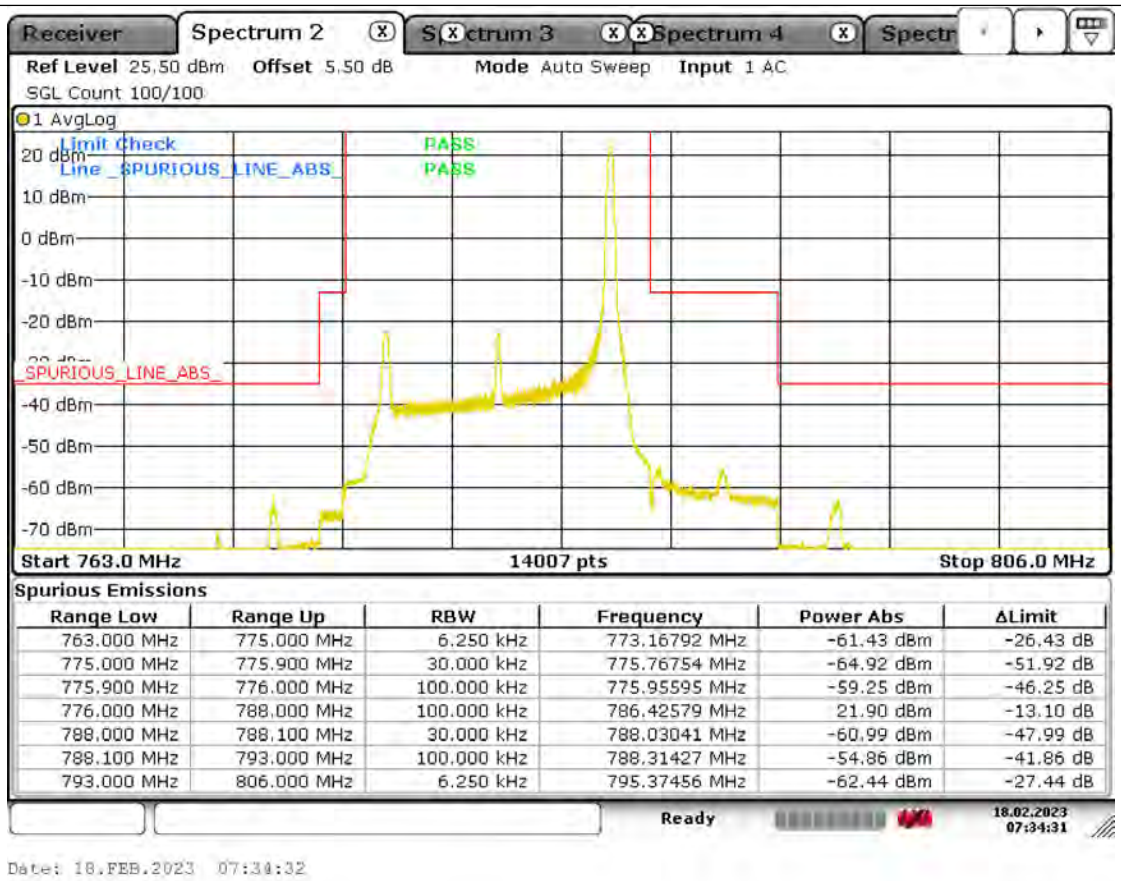
Band13-10MHz-QPSK-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19790 MHz	-64.48 dBm	-29.48 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.72841 MHz	-59.15 dBm	-46.15 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.96179 MHz	-55.47 dBm	-42.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.59820 MHz	22.17 dBm	-12.83 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09148 MHz	-64.03 dBm	-51.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.99878 MHz	-57.76 dBm	-44.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20565 MHz	-60.27 dBm	-25.27 dB

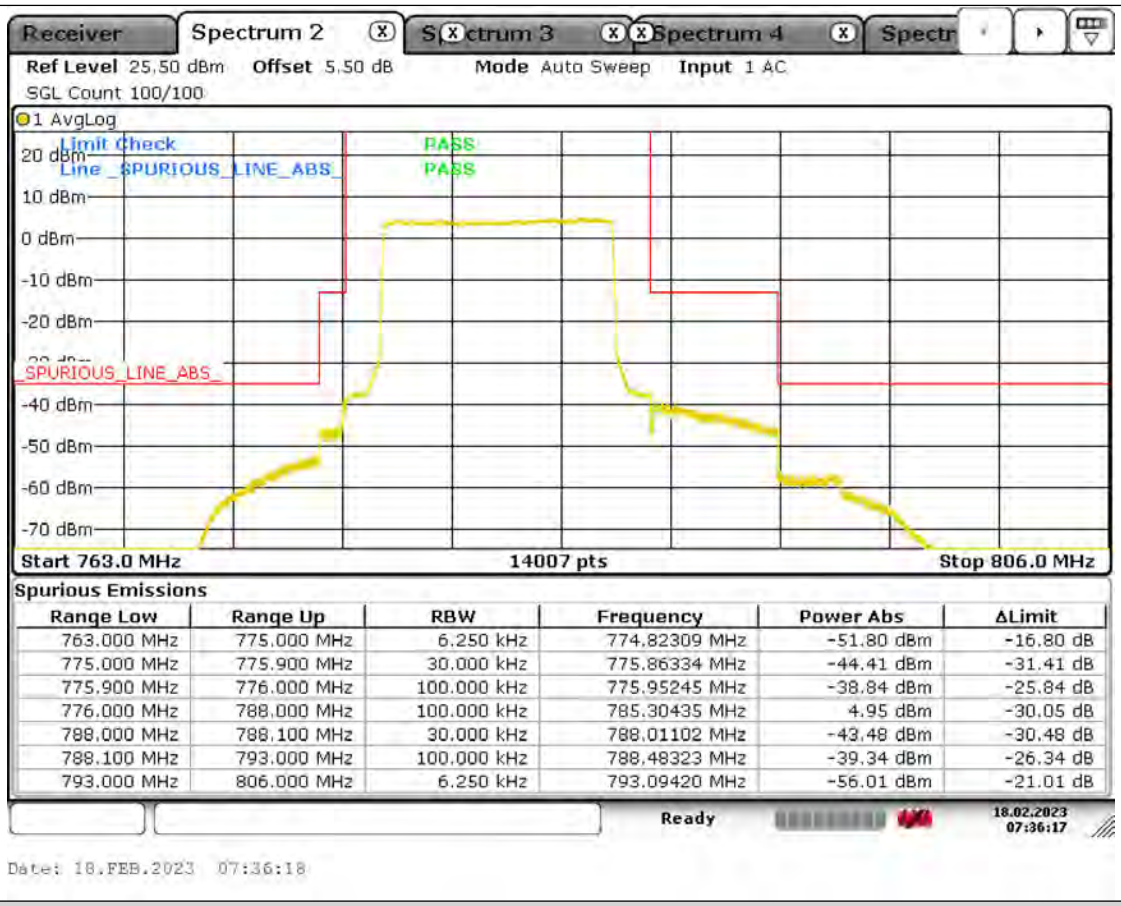
Band13-10MHz-QPSK-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.16792 MHz	-61.43 dBm	-26.43 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.76754 MHz	-64.92 dBm	-51.92 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.95595 MHz	-59.25 dBm	-46.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.42579 MHz	21.90 dBm	-13.10 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03041 MHz	-60.99 dBm	-47.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.31427 MHz	-54.86 dBm	-41.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.37456 MHz	-62.44 dBm	-27.44 dB

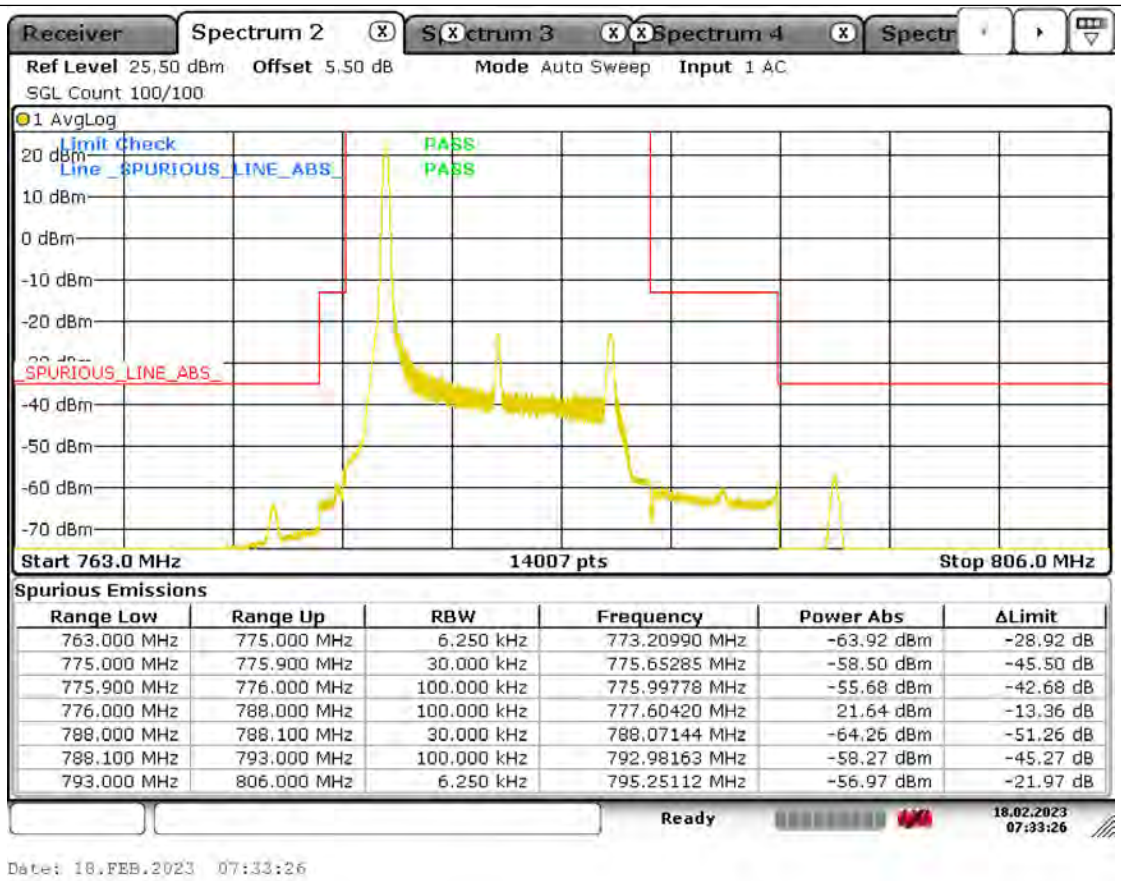
Band13-10MHz-QPSK-23230-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82309 MHz	-51.80 dBm	-16.80 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.86334 MHz	-44.41 dBm	-31.41 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.95245 MHz	-38.84 dBm	-25.84 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.30435 MHz	4.95 dBm	-30.05 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01102 MHz	-43.48 dBm	-30.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.48323 MHz	-39.34 dBm	-26.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09420 MHz	-56.01 dBm	-21.01 dB

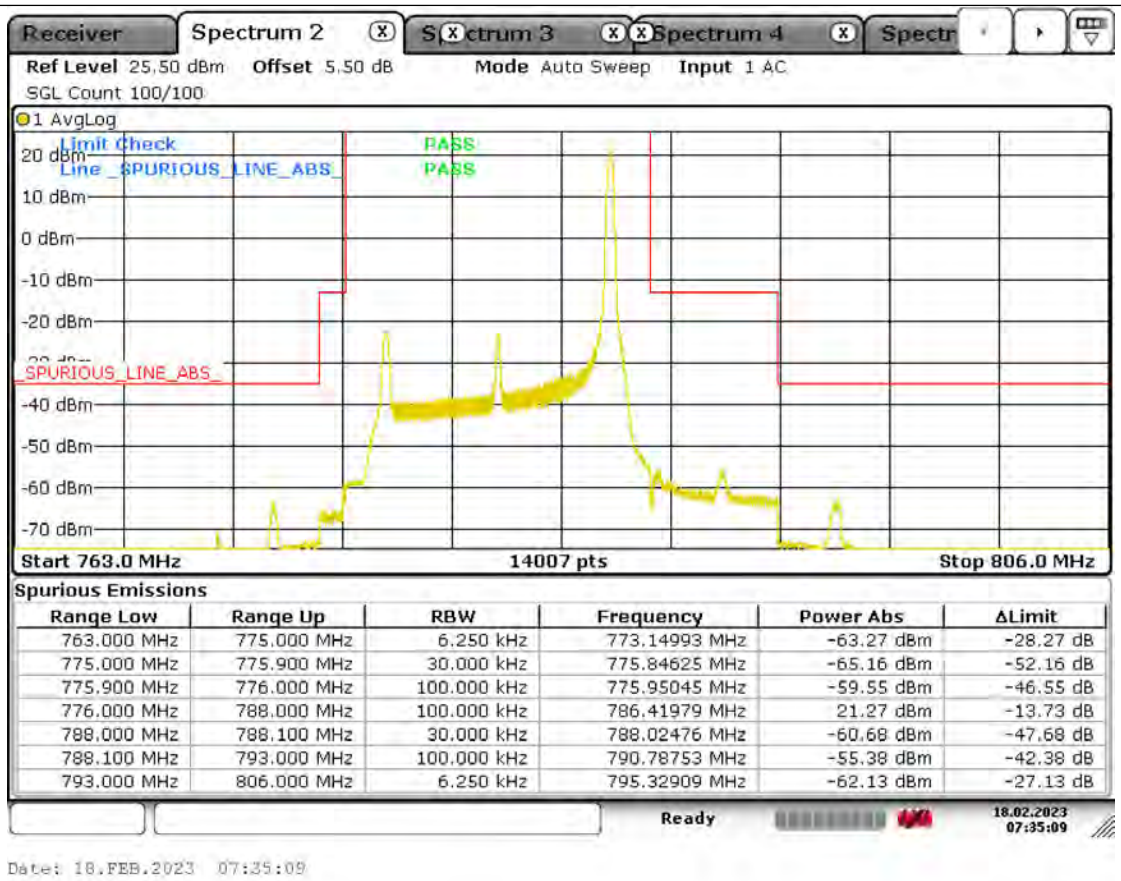
Band13-10MHz-16QAM-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.20990 MHz	-63.92 dBm	-28.92 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.65285 MHz	-58.50 dBm	-45.50 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.99778 MHz	-55.68 dBm	-42.68 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60420 MHz	21.64 dBm	-13.36 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07144 MHz	-64.26 dBm	-51.26 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.98163 MHz	-58.27 dBm	-45.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25112 MHz	-56.97 dBm	-21.97 dB

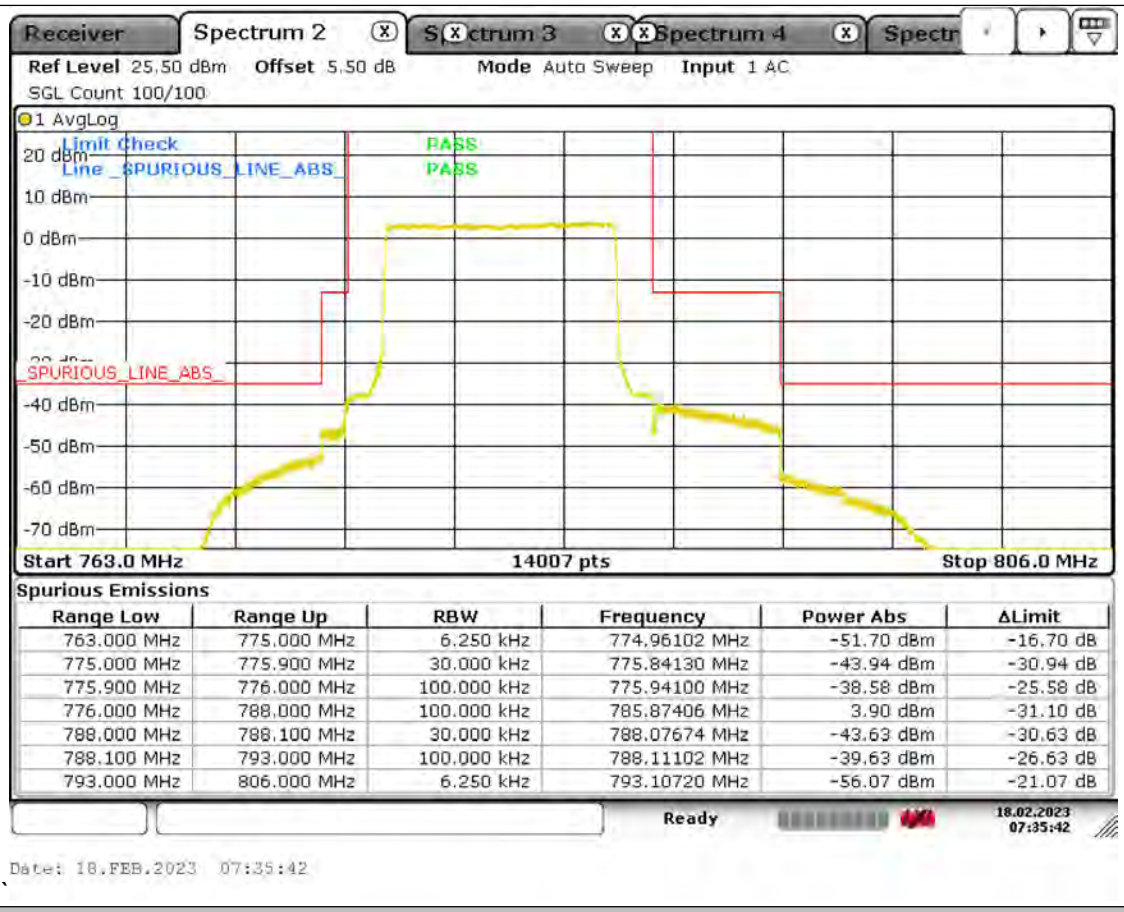
Band13-10MHz-16QAM-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.14993 MHz	-63.27 dBm	-28.27 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.84625 MHz	-65.16 dBm	-52.16 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.95045 MHz	-59.55 dBm	-46.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41979 MHz	21.27 dBm	-13.73 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02476 MHz	-60.68 dBm	-47.68 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.78753 MHz	-55.38 dBm	-42.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.32909 MHz	-62.13 dBm	-27.13 dB

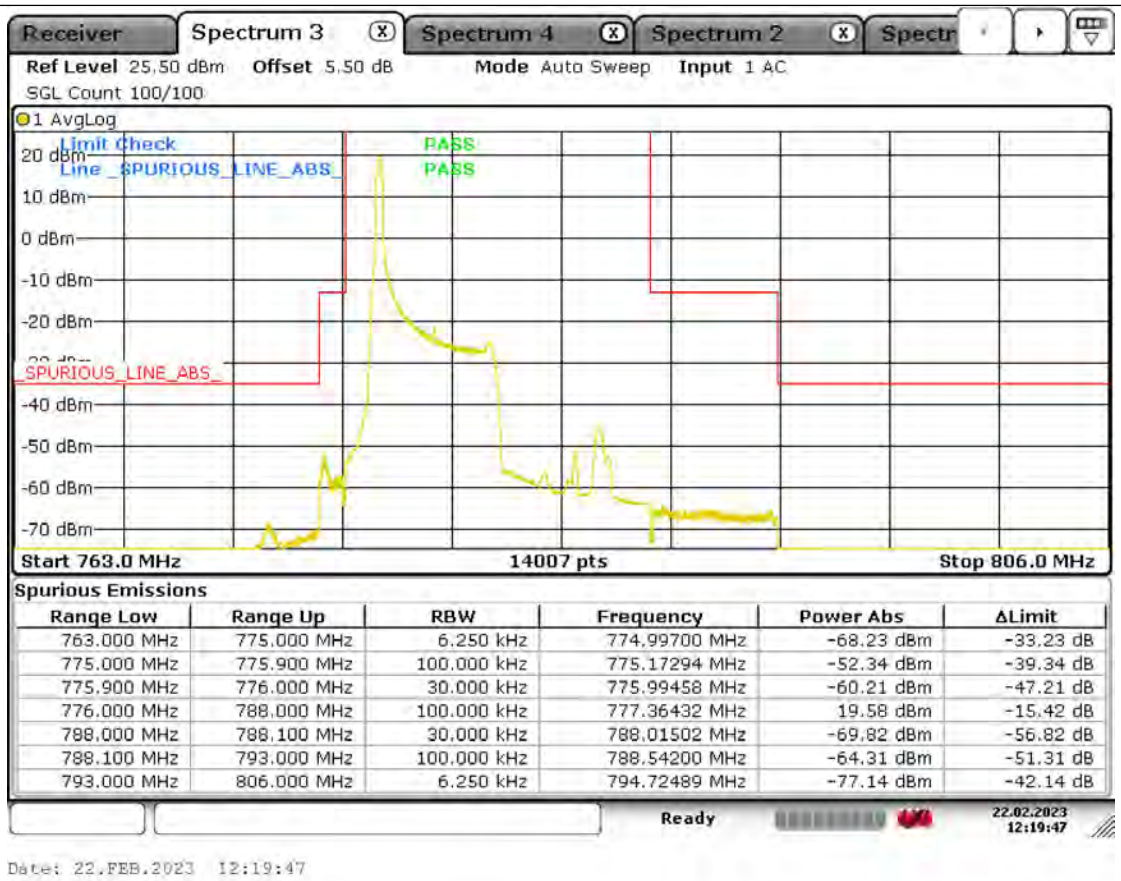
Band13-10MHz-16QAM-23230-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.96102 MHz	-51.70 dBm	-16.70 dB
775.000 MHz	775.900 MHz	30.000 kHz	775.84130 MHz	-43.94 dBm	-30.94 dB
775.900 MHz	776.000 MHz	100.000 kHz	775.94100 MHz	-38.58 dBm	-25.58 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.87406 MHz	3.90 dBm	-31.10 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07674 MHz	-43.63 dBm	-30.63 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11102 MHz	-39.63 dBm	-26.63 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.10720 MHz	-56.07 dBm	-21.07 dB

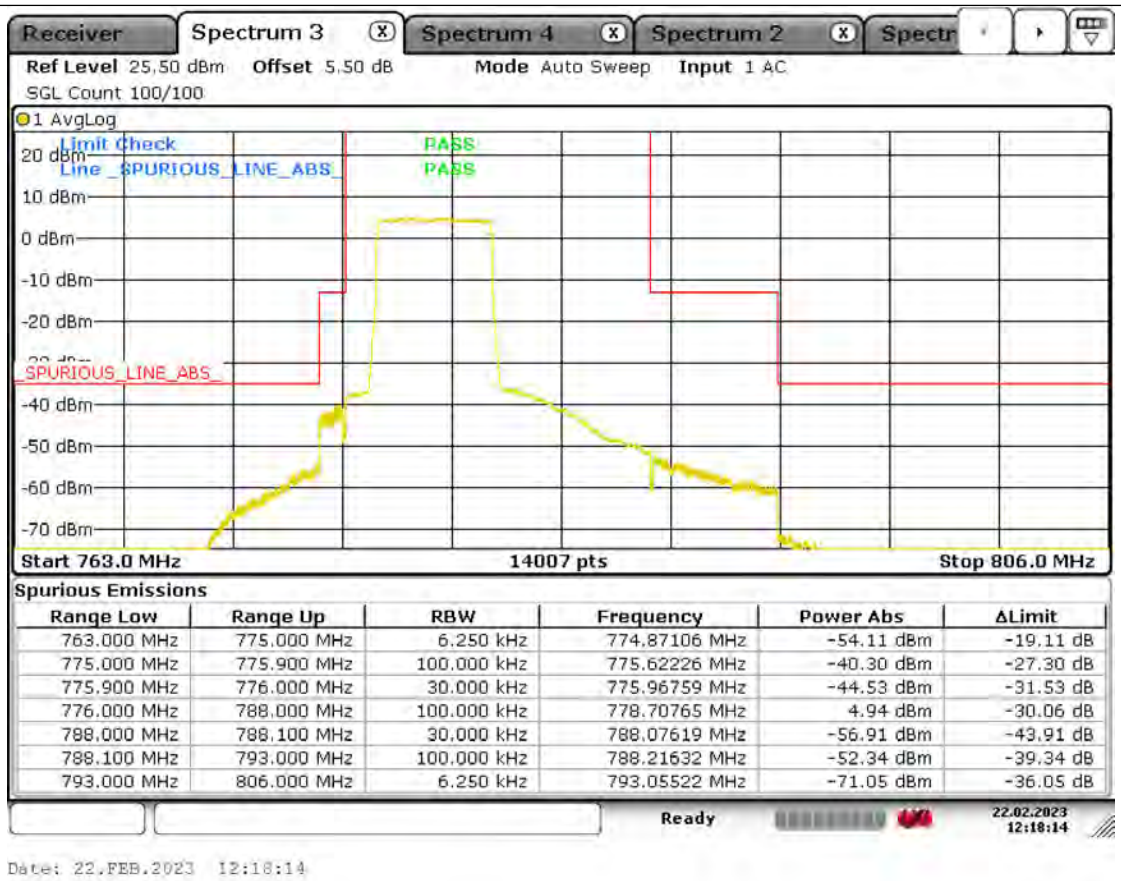
Band13-5MHz-64QAM-23205-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99700 MHz	-68.23 dBm	-33.23 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.17294 MHz	-52.34 dBm	-39.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99458 MHz	-60.21 dBm	-47.21 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.36432 MHz	19.58 dBm	-15.42 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01502 MHz	-69.82 dBm	-56.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.54200 MHz	-64.31 dBm	-51.31 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.72489 MHz	-77.14 dBm	-42.14 dB

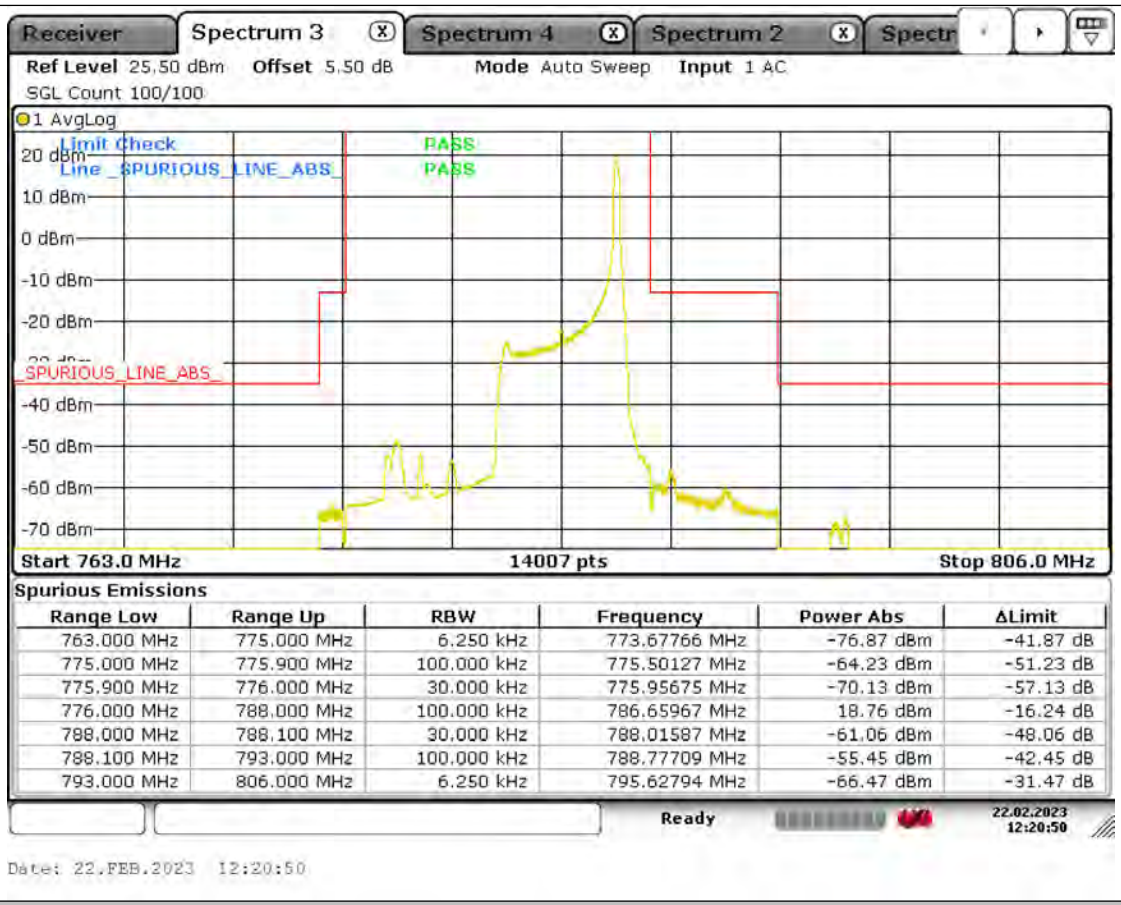
Band13-5MHz-64QAM-23205-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87106 MHz	-54.11 dBm	-19.11 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.62226 MHz	-40.30 dBm	-27.30 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96759 MHz	-44.53 dBm	-31.53 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.70765 MHz	4.94 dBm	-30.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07619 MHz	-56.91 dBm	-43.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21632 MHz	-52.34 dBm	-39.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05522 MHz	-71.05 dBm	-36.05 dB

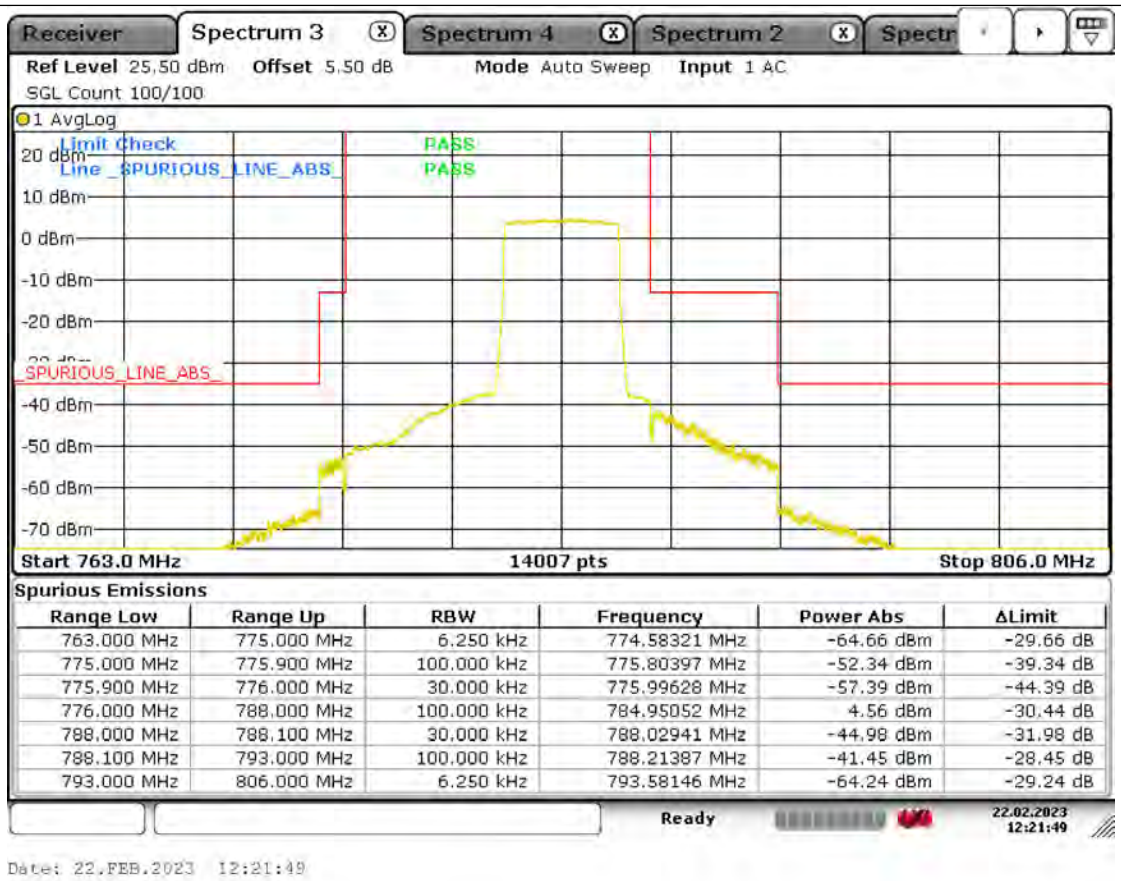
Band13-5MHz-64QAM-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.67766 MHz	-76.87 dBm	-41.87 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.50127 MHz	-64.23 dBm	-51.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95675 MHz	-70.13 dBm	-57.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65967 MHz	18.76 dBm	-16.24 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01587 MHz	-61.06 dBm	-48.06 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.77709 MHz	-55.45 dBm	-42.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.62794 MHz	-66.47 dBm	-31.47 dB

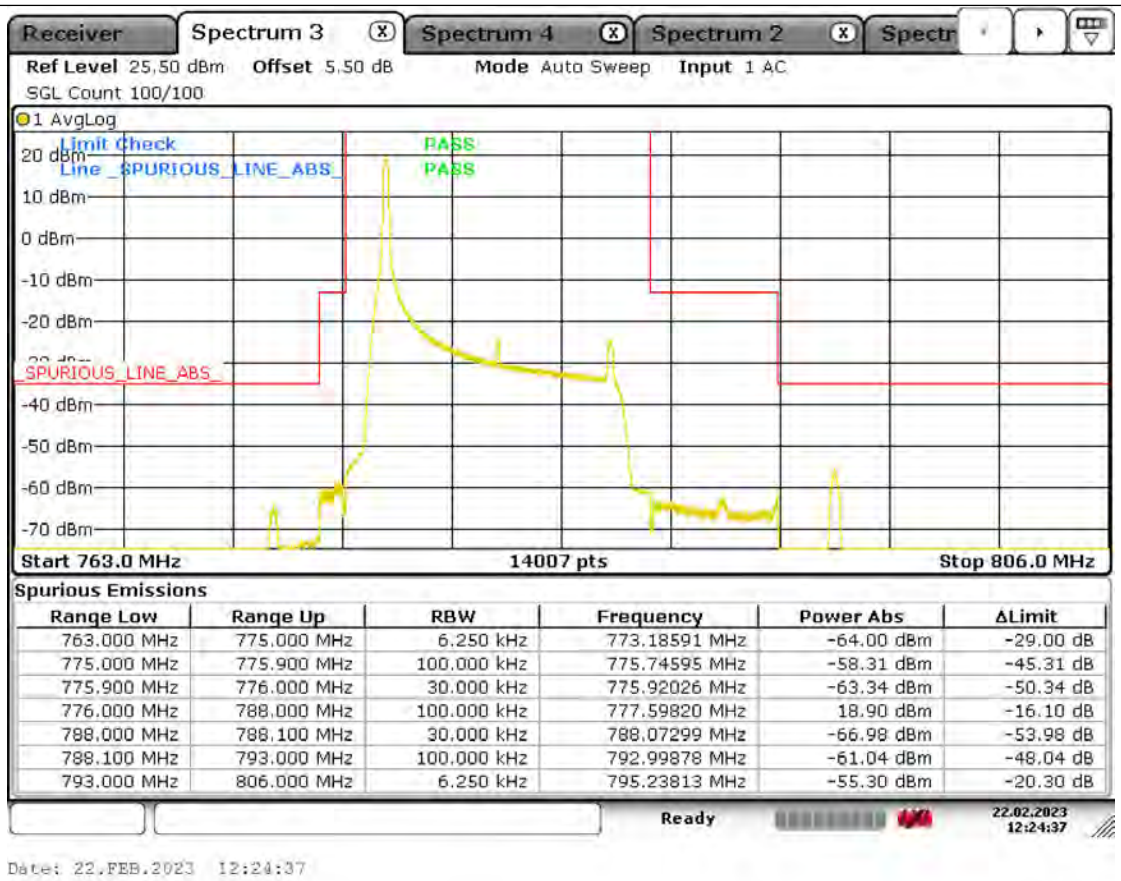
Band13-5MHz-64QAM-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.58321 MHz	-64.66 dBm	-29.66 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80397 MHz	-52.34 dBm	-39.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99628 MHz	-57.39 dBm	-44.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.95052 MHz	4.56 dBm	-30.44 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02941 MHz	-44.98 dBm	-31.98 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21387 MHz	-41.45 dBm	-28.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.58146 MHz	-64.24 dBm	-29.24 dB

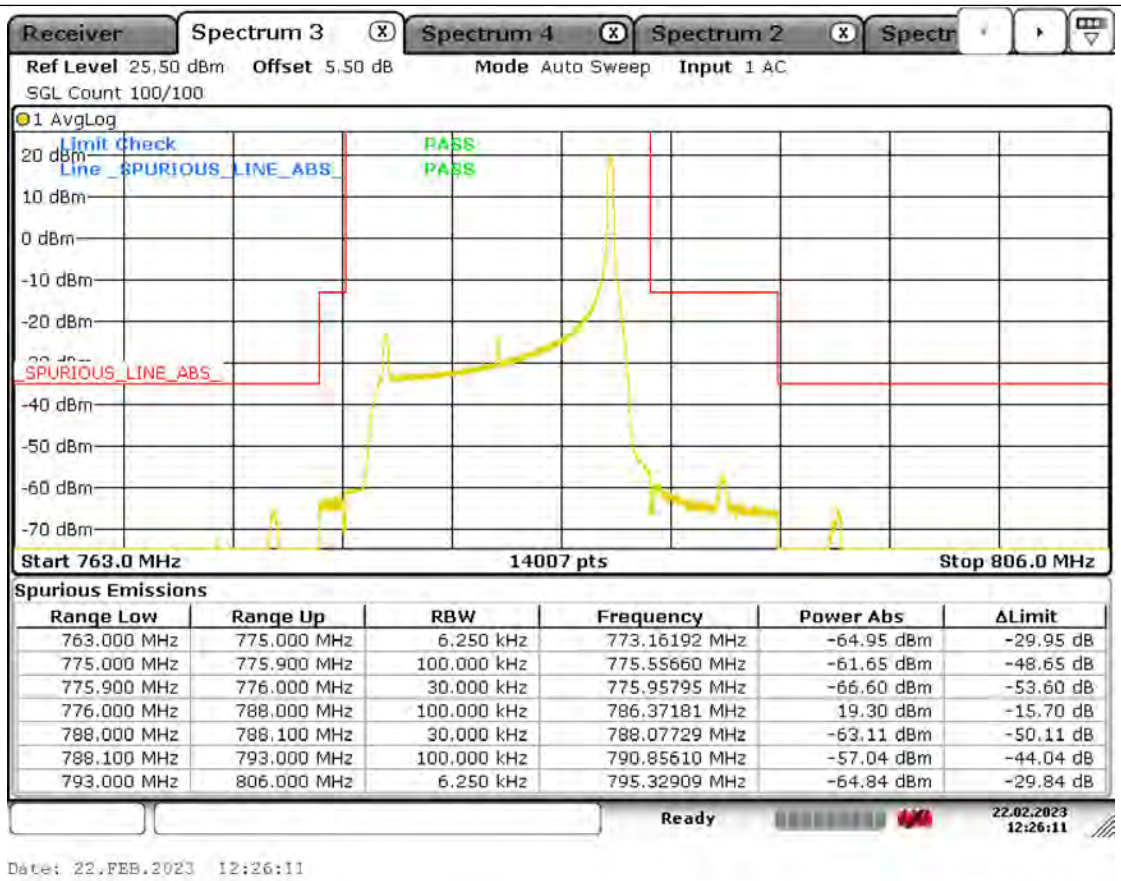
Band13-10MHz-64QAM-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18591 MHz	-64.00 dBm	-29.00 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74595 MHz	-58.31 dBm	-45.31 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92026 MHz	-63.34 dBm	-50.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.59820 MHz	18.90 dBm	-16.10 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07299 MHz	-66.98 dBm	-53.98 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.99878 MHz	-61.04 dBm	-48.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.23813 MHz	-55.30 dBm	-20.30 dB

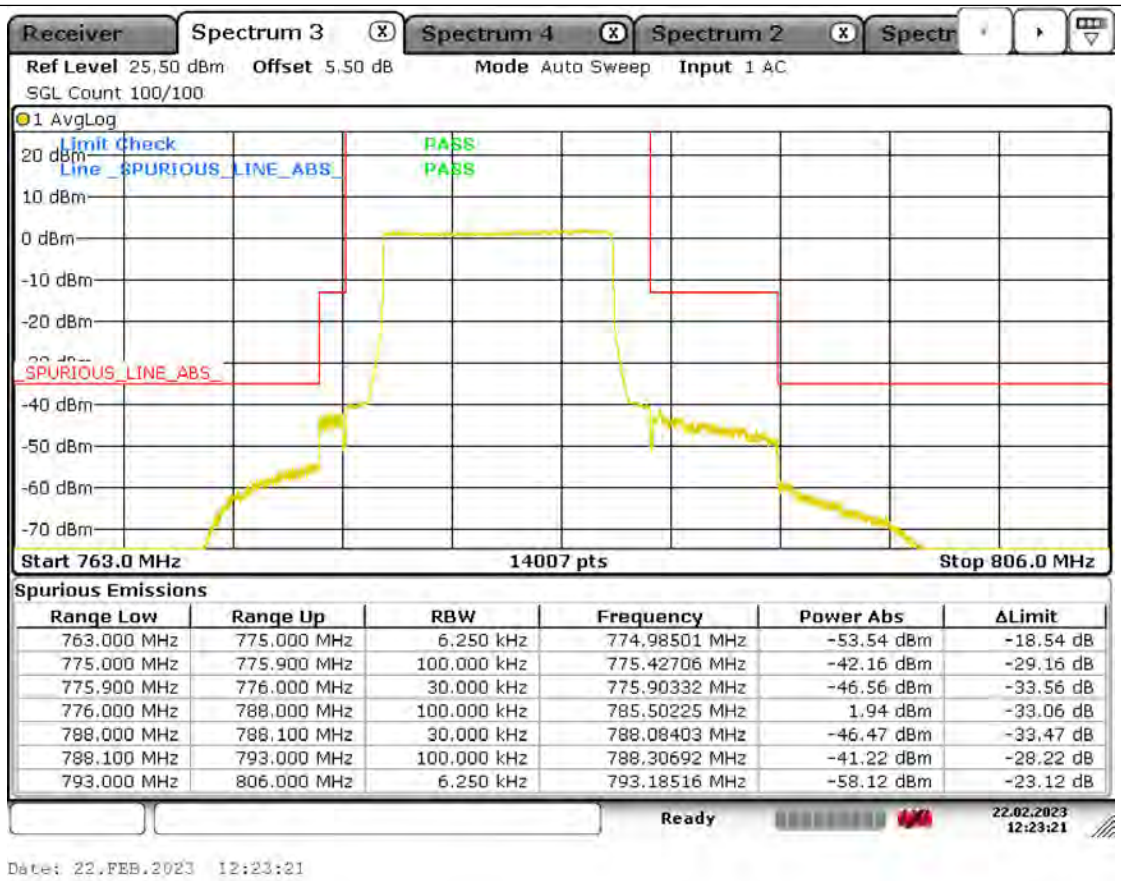
Band13-10MHz-64QAM-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.16192 MHz	-64.95 dBm	-29.95 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.55660 MHz	-61.65 dBm	-48.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95795 MHz	-66.60 dBm	-53.60 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37181 MHz	19.30 dBm	-15.70 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07729 MHz	-63.11 dBm	-50.11 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.85610 MHz	-57.04 dBm	-44.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.32909 MHz	-64.84 dBm	-29.84 dB

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98501 MHz	-53.54 dBm	-18.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.42706 MHz	-42.16 dBm	-29.16 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90332 MHz	-46.56 dBm	-33.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.50225 MHz	1.94 dBm	-33.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08403 MHz	-46.47 dBm	-33.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.30692 MHz	-41.22 dBm	-28.22 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.18516 MHz	-58.12 dBm	-23.12 dB

CONDUCTED SPURIOUS EMISSION

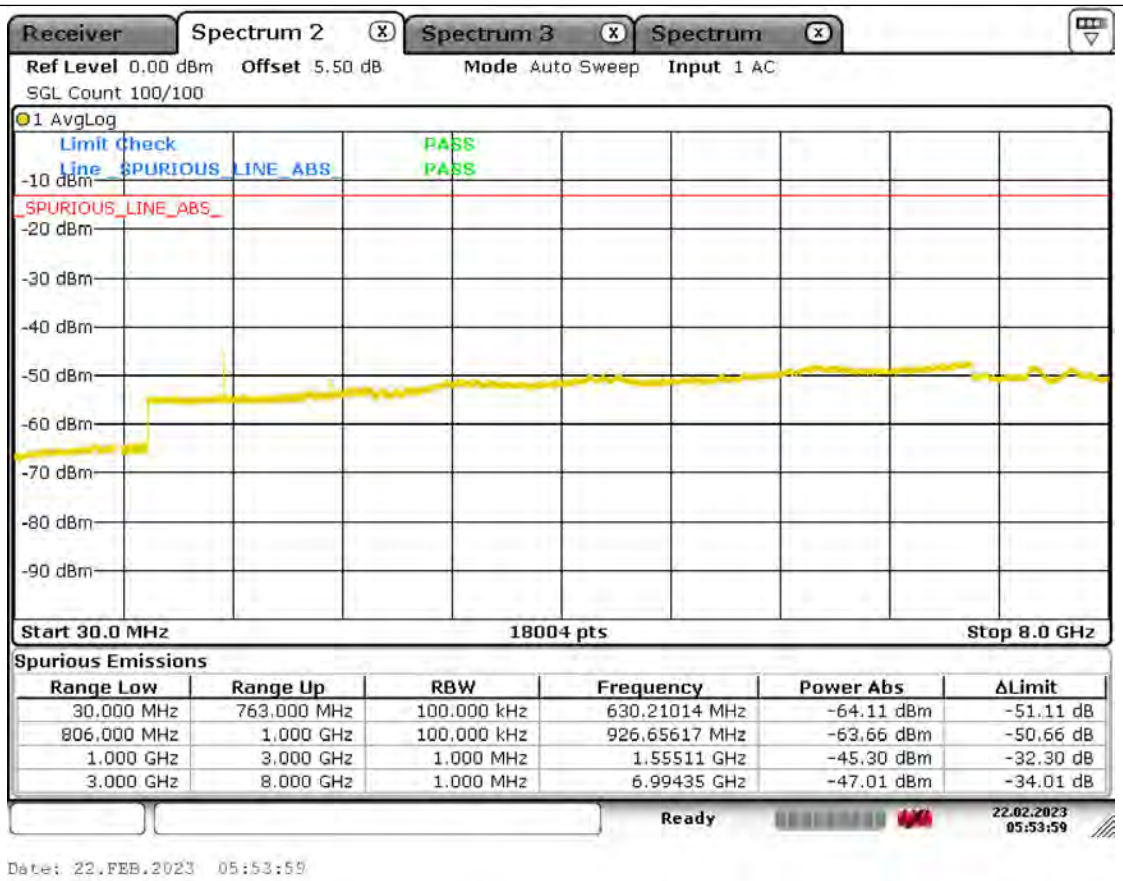
Test Result

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

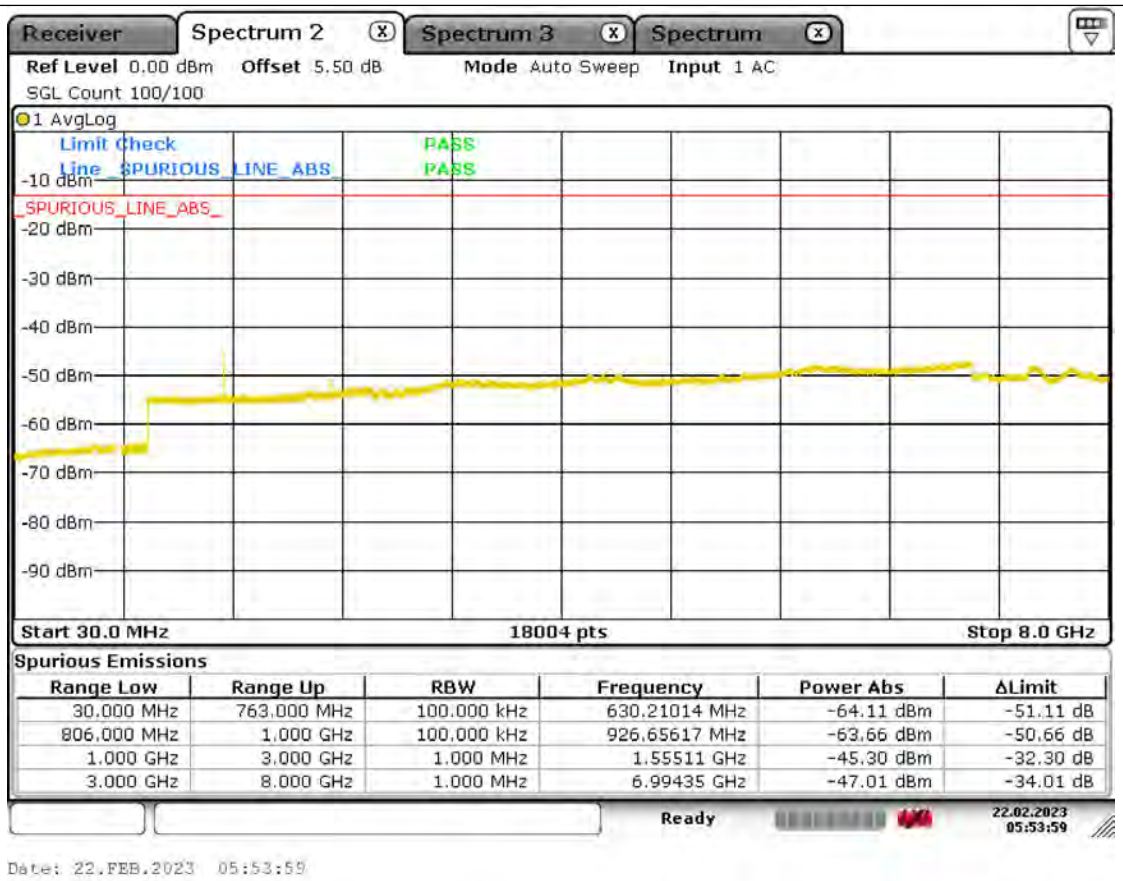
Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	630.21014 MHz	-64.11 dBm	-51.11 dB
806.000 MHz	1.000 GHz	100.000 kHz	926.65617 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99435 GHz	-47.01 dBm	-34.01 dB

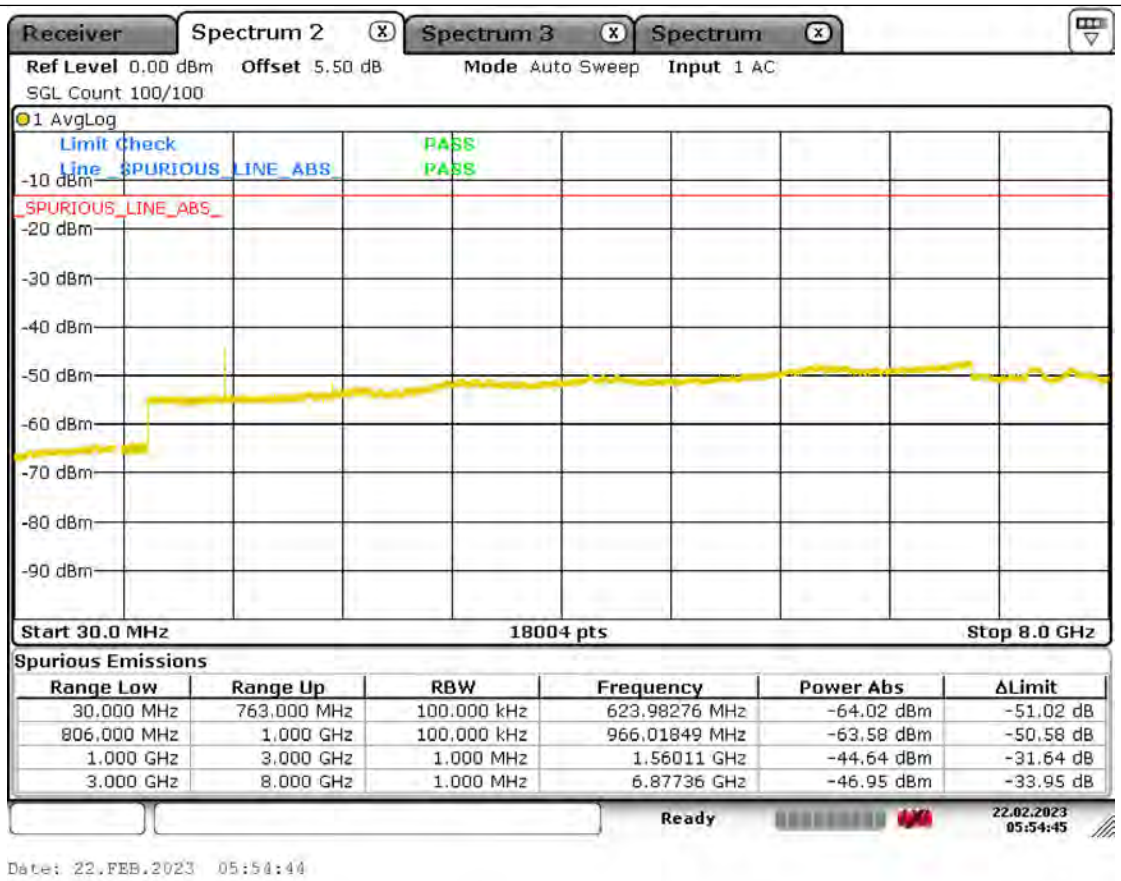
Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	630.21014 MHz	-64.11 dBm	-51.11 dB
806.000 MHz	1.000 GHz	100.000 kHz	926.65617 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99435 GHz	-47.01 dBm	-34.01 dB

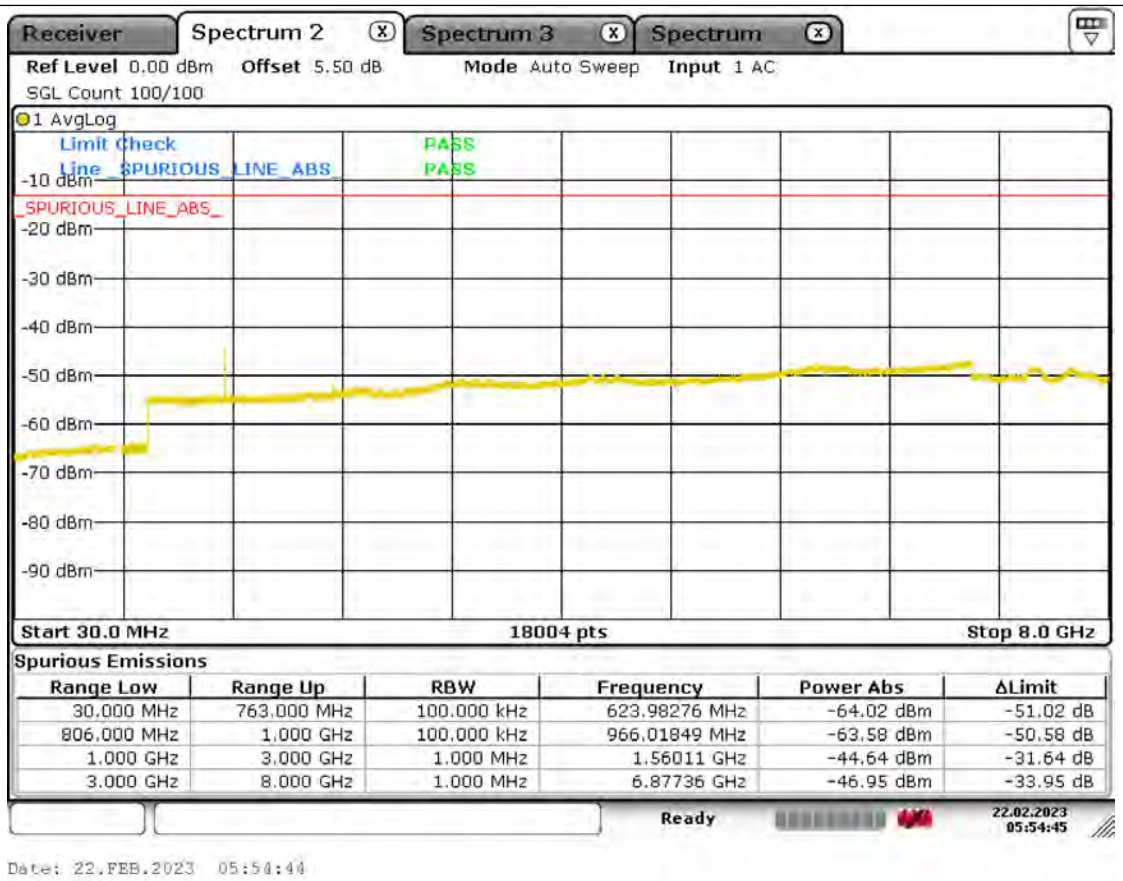
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	623.98276 MHz	-64.02 dBm	-51.02 dB
806.000 MHz	1.000 GHz	100.000 kHz	966.01849 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.87736 GHz	-46.95 dBm	-33.95 dB

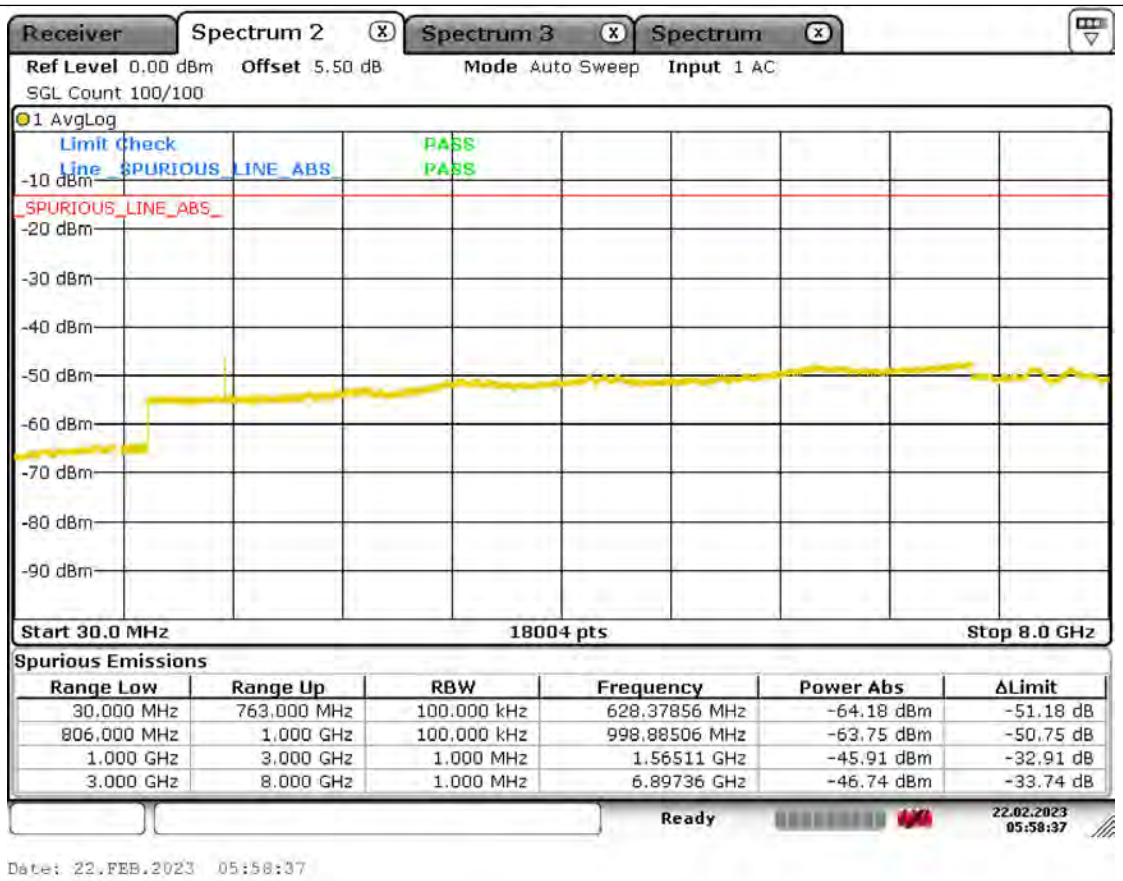
Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	623.98276 MHz	-64.02 dBm	-51.02 dB
806.000 MHz	1.000 GHz	100.000 kHz	966.01849 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.87736 GHz	-46.95 dBm	-33.95 dB

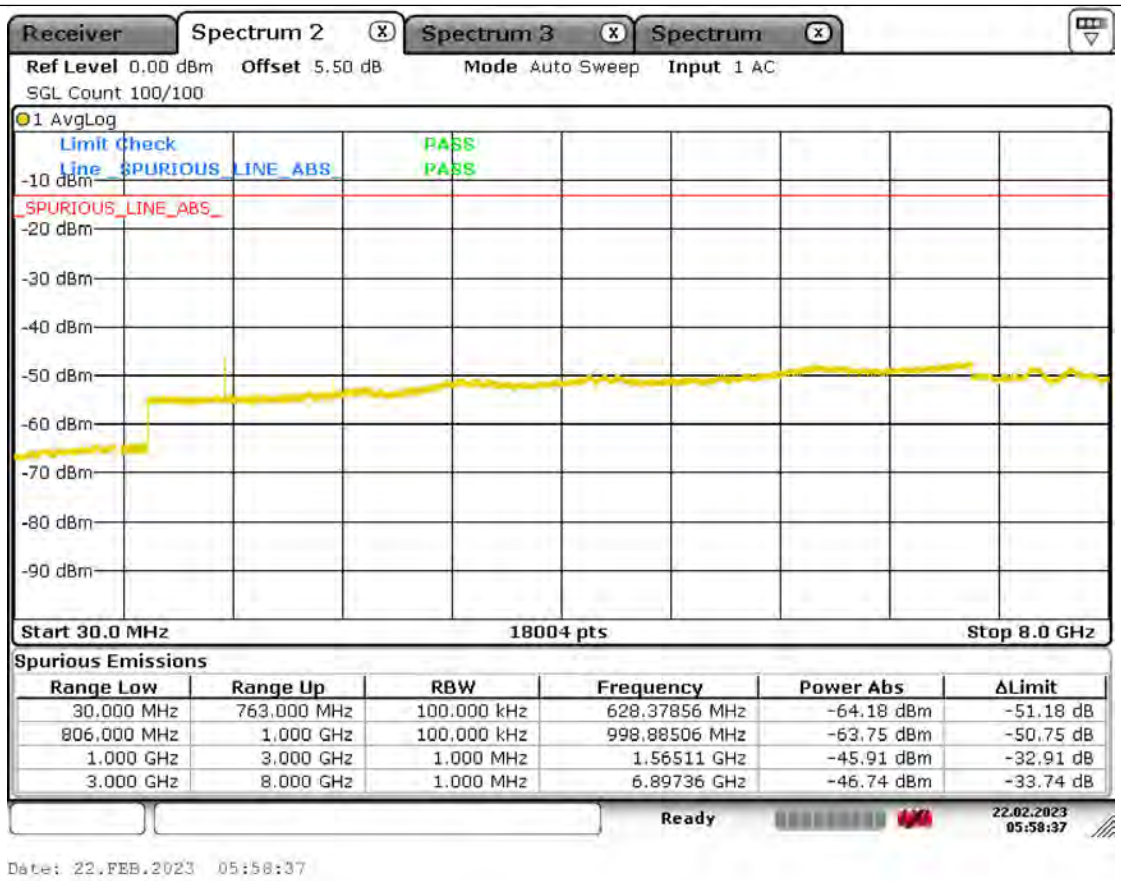
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	628.37856 MHz	-64.18 dBm	-51.18 dB
806.000 MHz	1.000 GHz	100.000 kHz	998.88506 MHz	-63.75 dBm	-50.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.91 dBm	-32.91 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.89736 GHz	-46.74 dBm	-33.74 dB

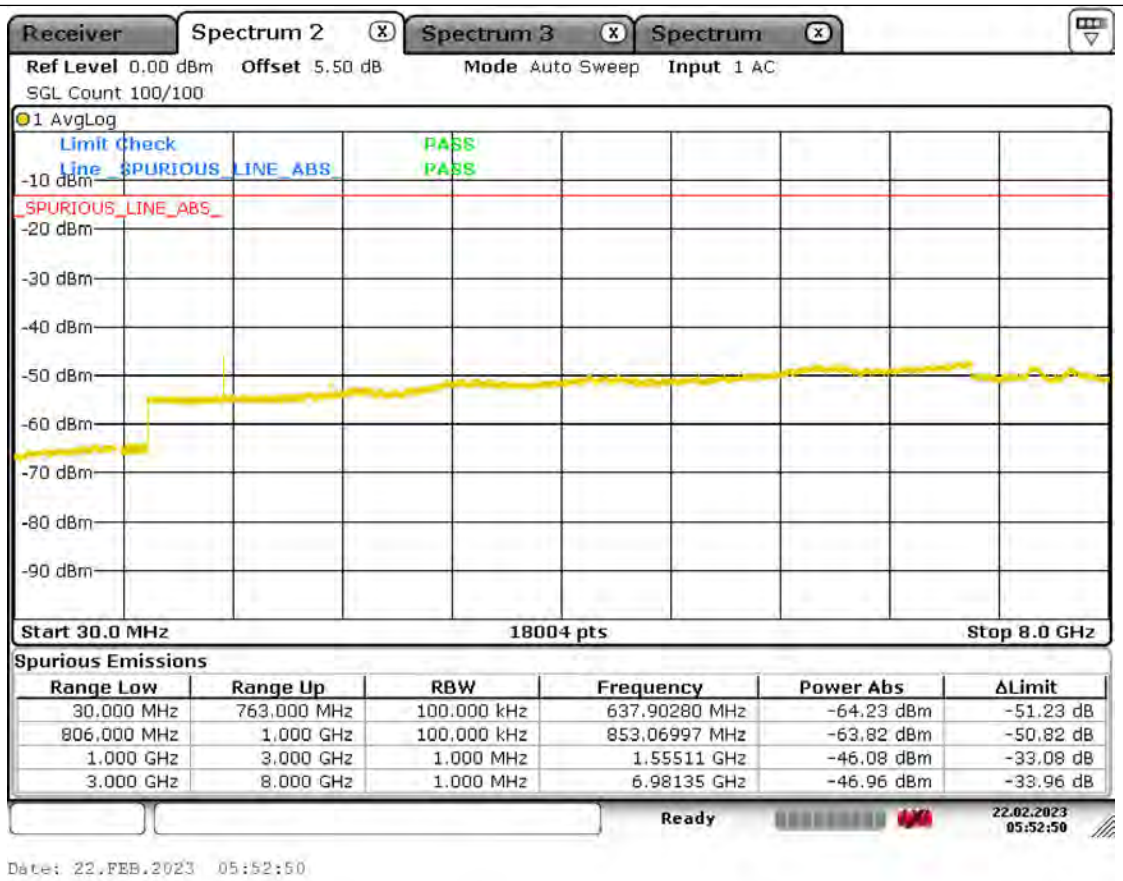
Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	628.37856 MHz	-64.18 dBm	-51.18 dB
806.000 MHz	1.000 GHz	100.000 kHz	998.88506 MHz	-63.75 dBm	-50.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.91 dBm	-32.91 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.89736 GHz	-46.74 dBm	-33.74 dB

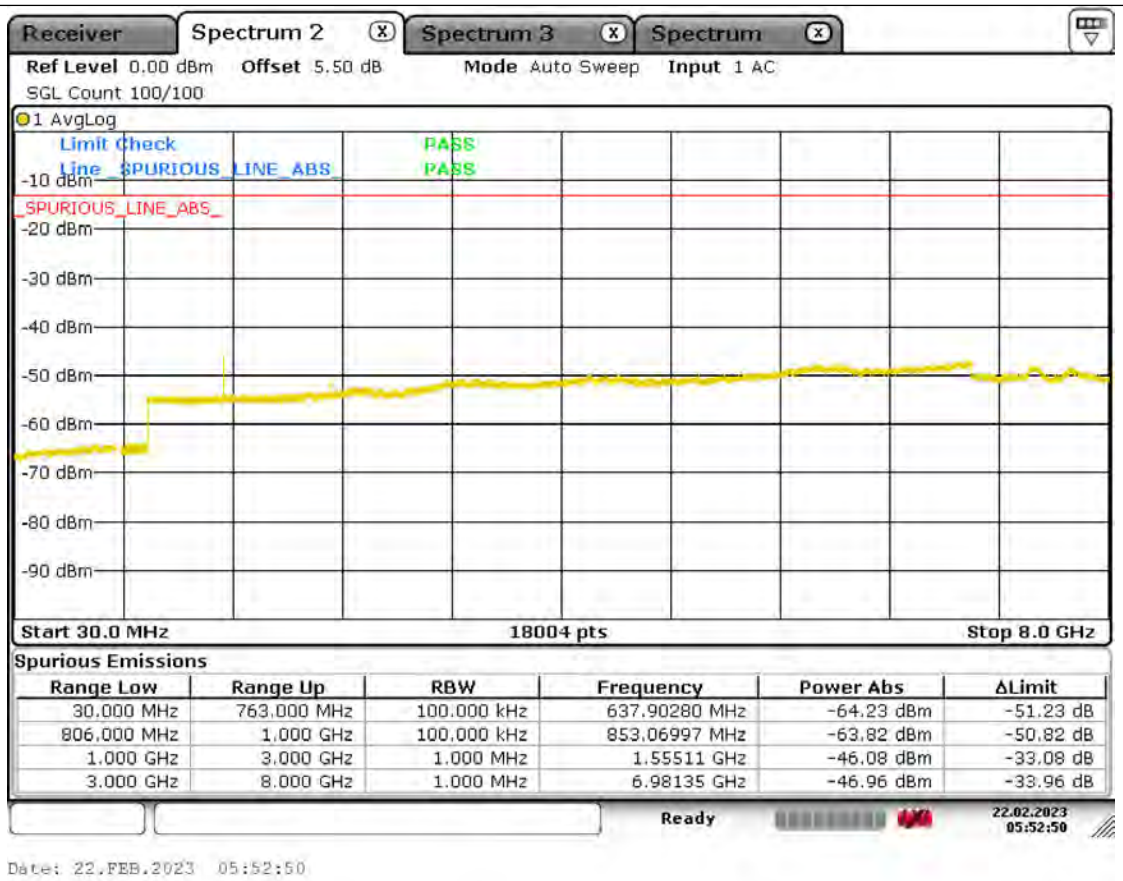
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	637.90280 MHz	-64.23 dBm	-51.23 dB
806.000 MHz	1.000 GHz	100.000 kHz	853.06997 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-46.08 dBm	-33.08 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98135 GHz	-46.96 dBm	-33.96 dB

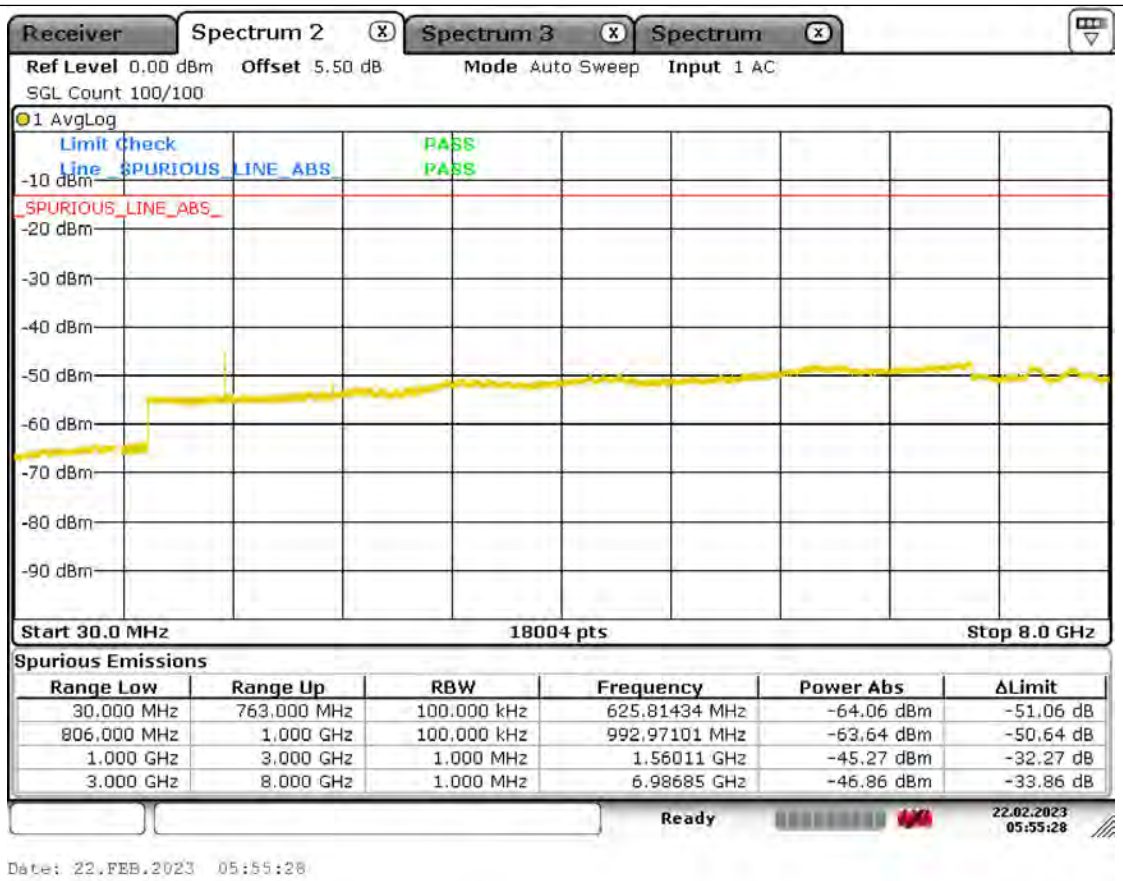
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	637.90280 MHz	-64.23 dBm	-51.23 dB
806.000 MHz	1.000 GHz	100.000 kHz	853.06997 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-46.08 dBm	-33.08 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98135 GHz	-46.96 dBm	-33.96 dB

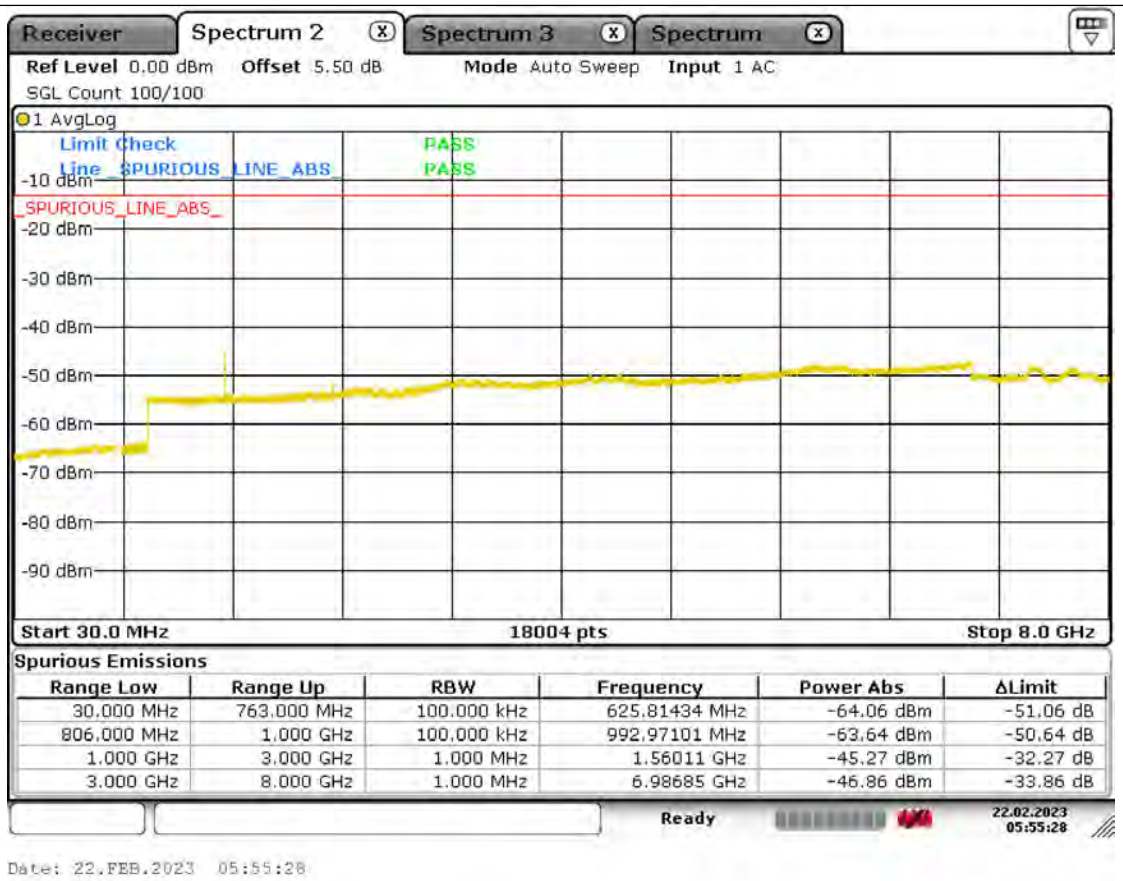
Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	625.81434 MHz	-64.06 dBm	-51.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	992.97101 MHz	-63.64 dBm	-50.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98685 GHz	-46.86 dBm	-33.86 dB

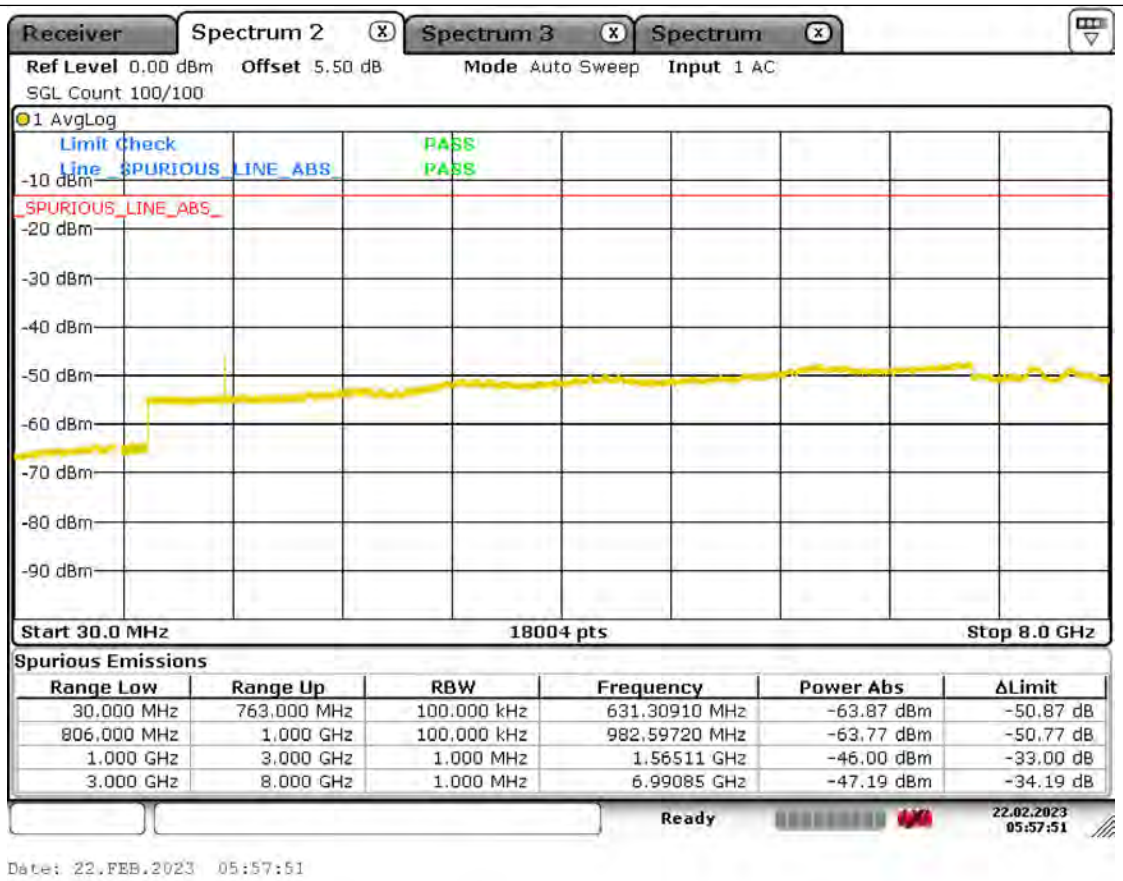
Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	625.81434 MHz	-64.06 dBm	-51.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	992.97101 MHz	-63.64 dBm	-50.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98685 GHz	-46.86 dBm	-33.86 dB

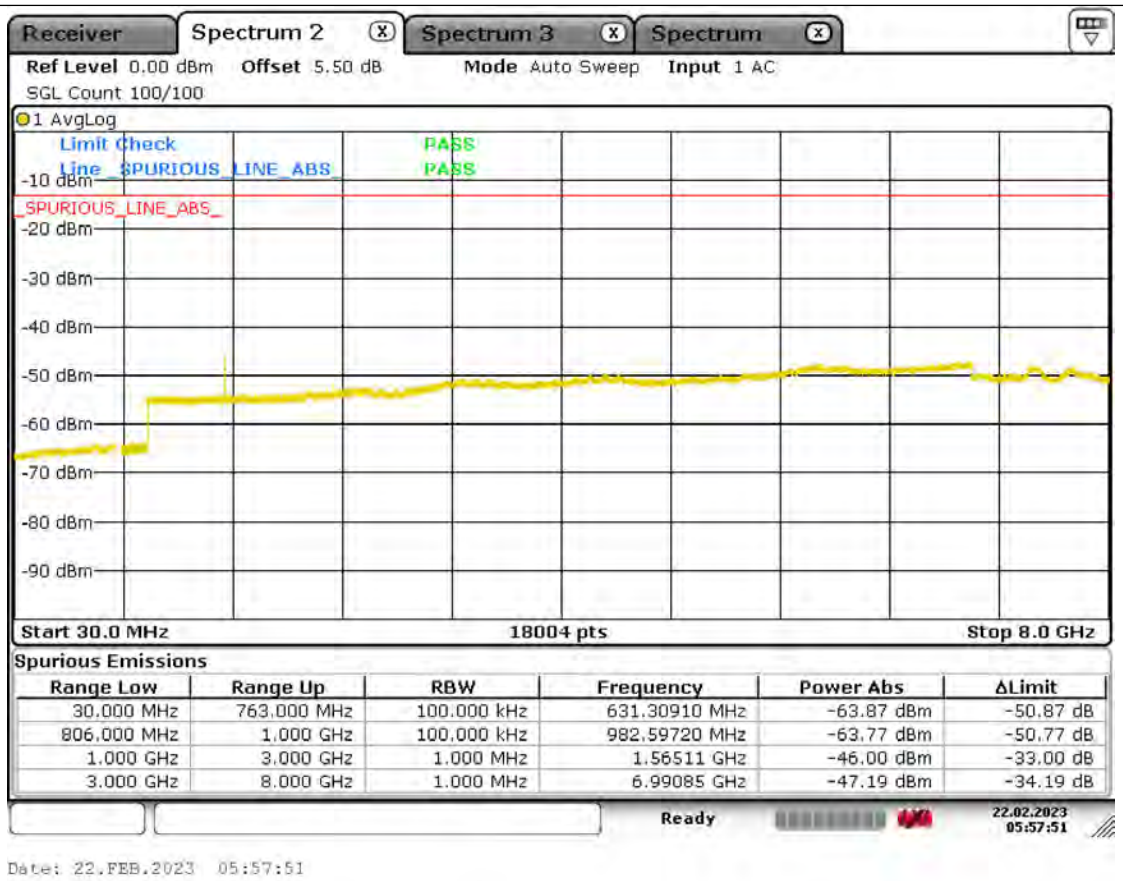
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	631.30910 MHz	-63.87 dBm	-50.87 dB
806.000 MHz	1.000 GHz	100.000 kHz	982.59720 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-47.19 dBm	-34.19 dB

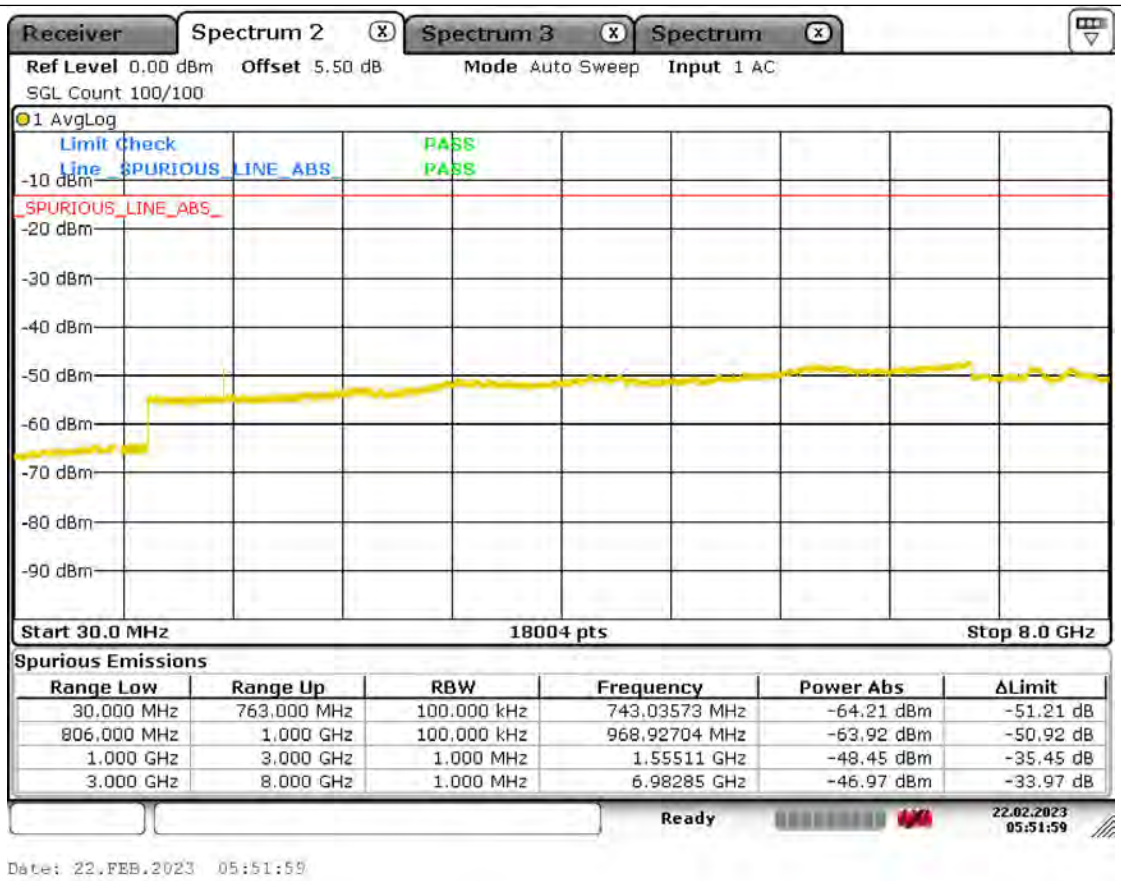
Band13-5MHz-16QAM-23255-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	631.30910 MHz	-63.87 dBm	-50.87 dB
806.000 MHz	1.000 GHz	100.000 kHz	982.59720 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-47.19 dBm	-34.19 dB

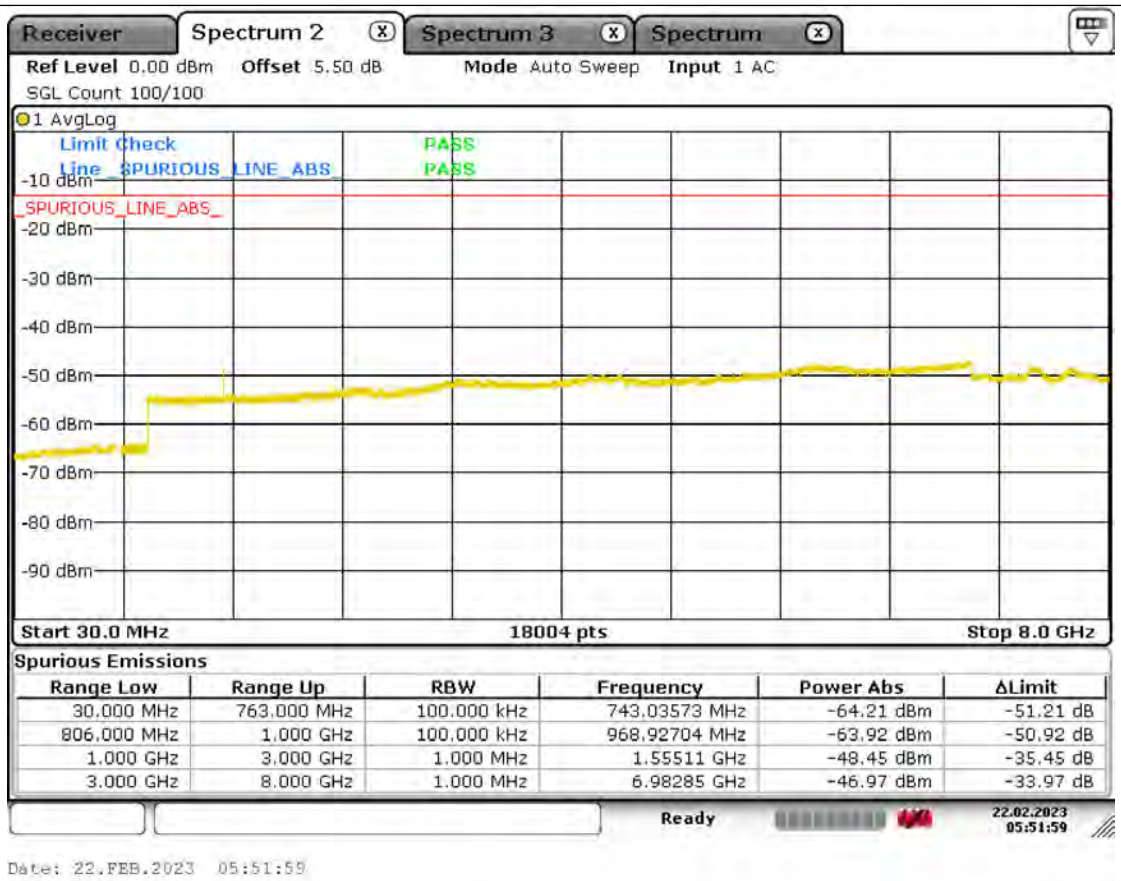
Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	743.03573 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	968.92704 MHz	-63.92 dBm	-50.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-48.45 dBm	-35.45 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98285 GHz	-46.97 dBm	-33.97 dB

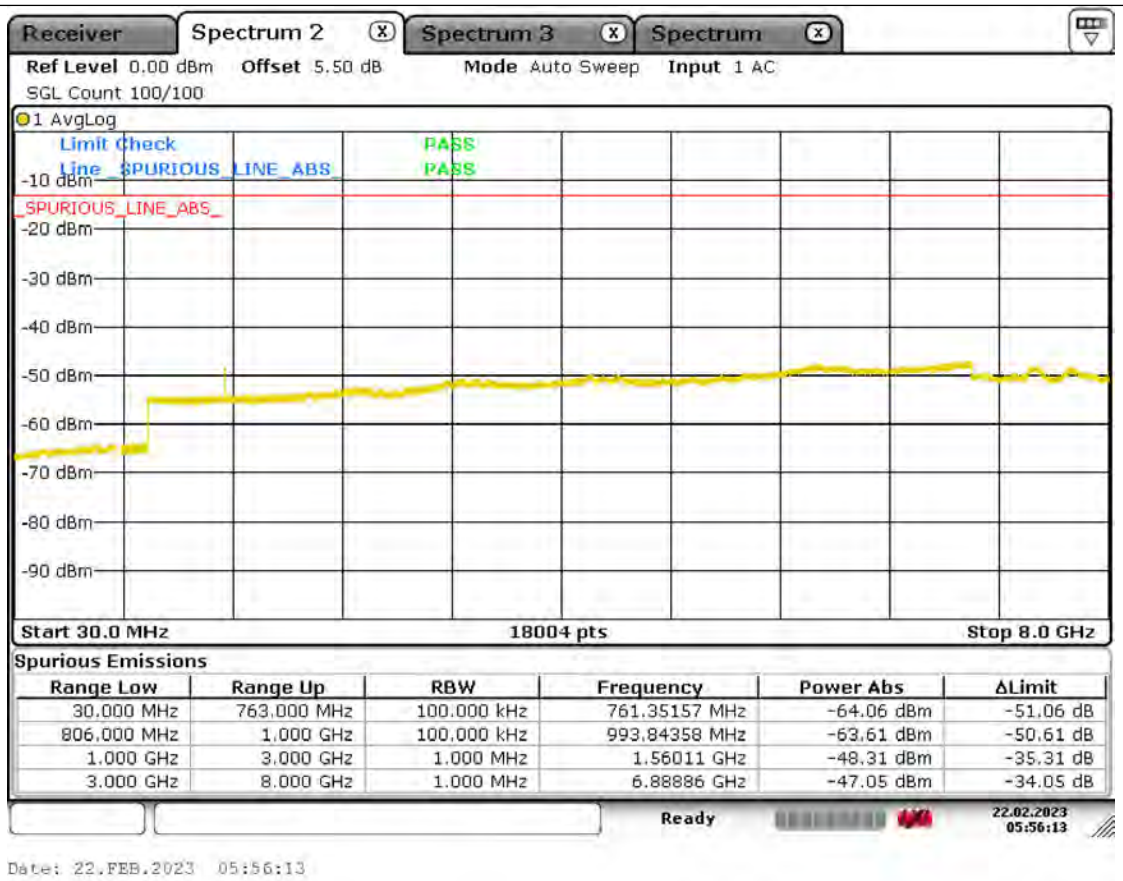
Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	743.03573 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	968.92704 MHz	-63.92 dBm	-50.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-48.45 dBm	-35.45 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98285 GHz	-46.97 dBm	-33.97 dB

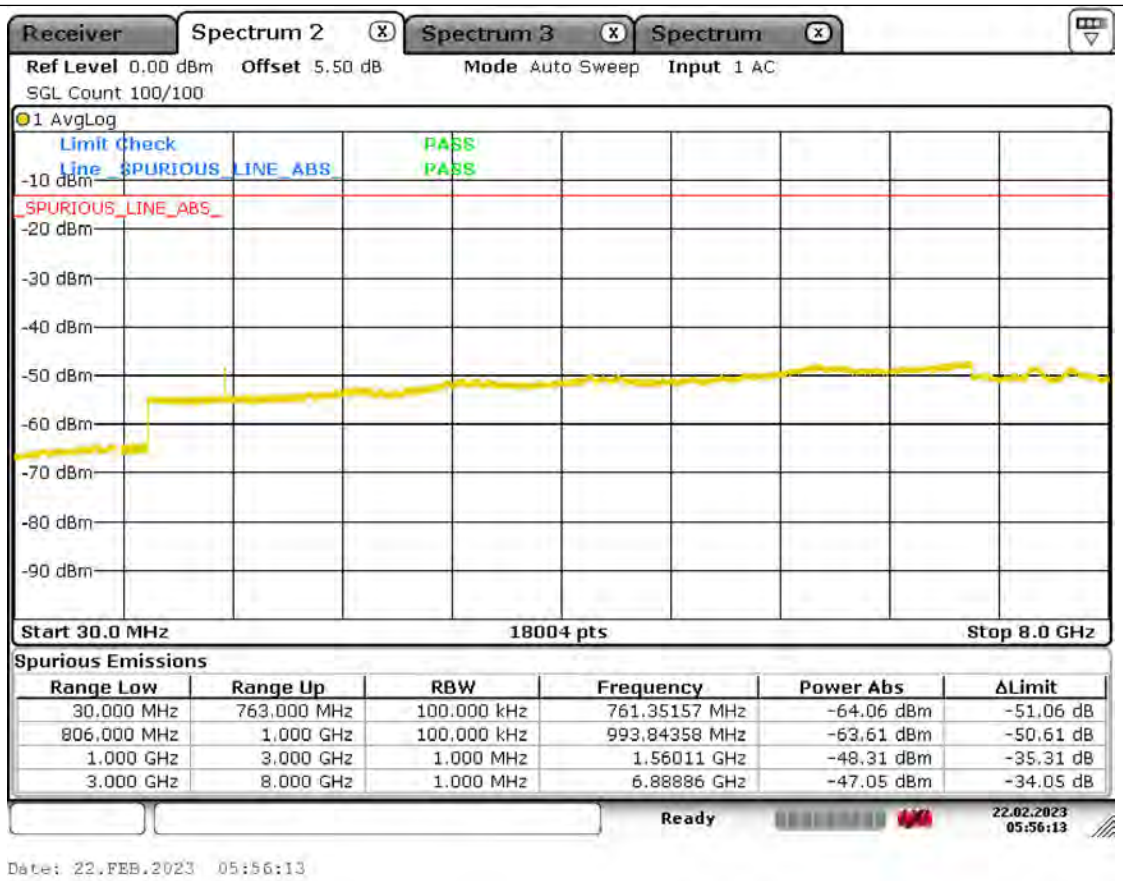
Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.35157 MHz	-64.06 dBm	-51.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	993.84358 MHz	-63.61 dBm	-50.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-48.31 dBm	-35.31 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88886 GHz	-47.05 dBm	-34.05 dB

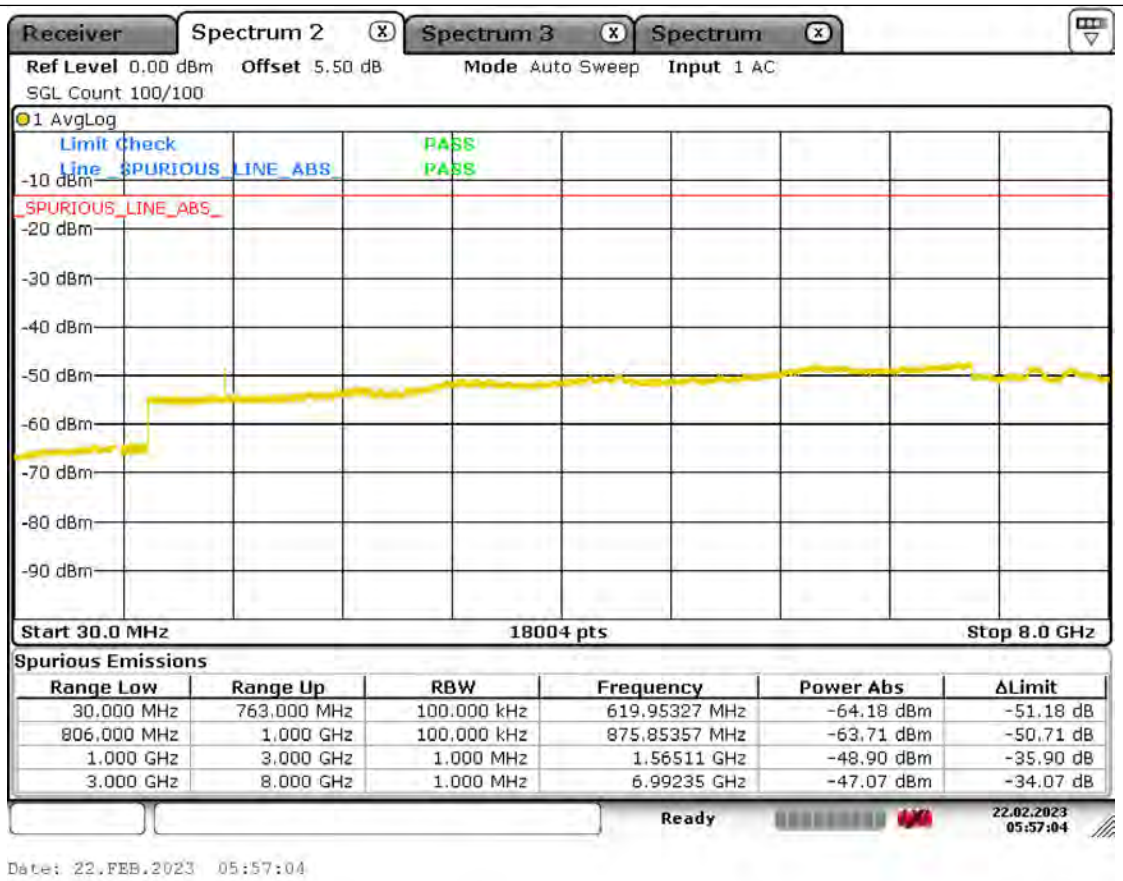
Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.35157 MHz	-64.06 dBm	-51.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	993.84358 MHz	-63.61 dBm	-50.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-48.31 dBm	-35.31 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88886 GHz	-47.05 dBm	-34.05 dB

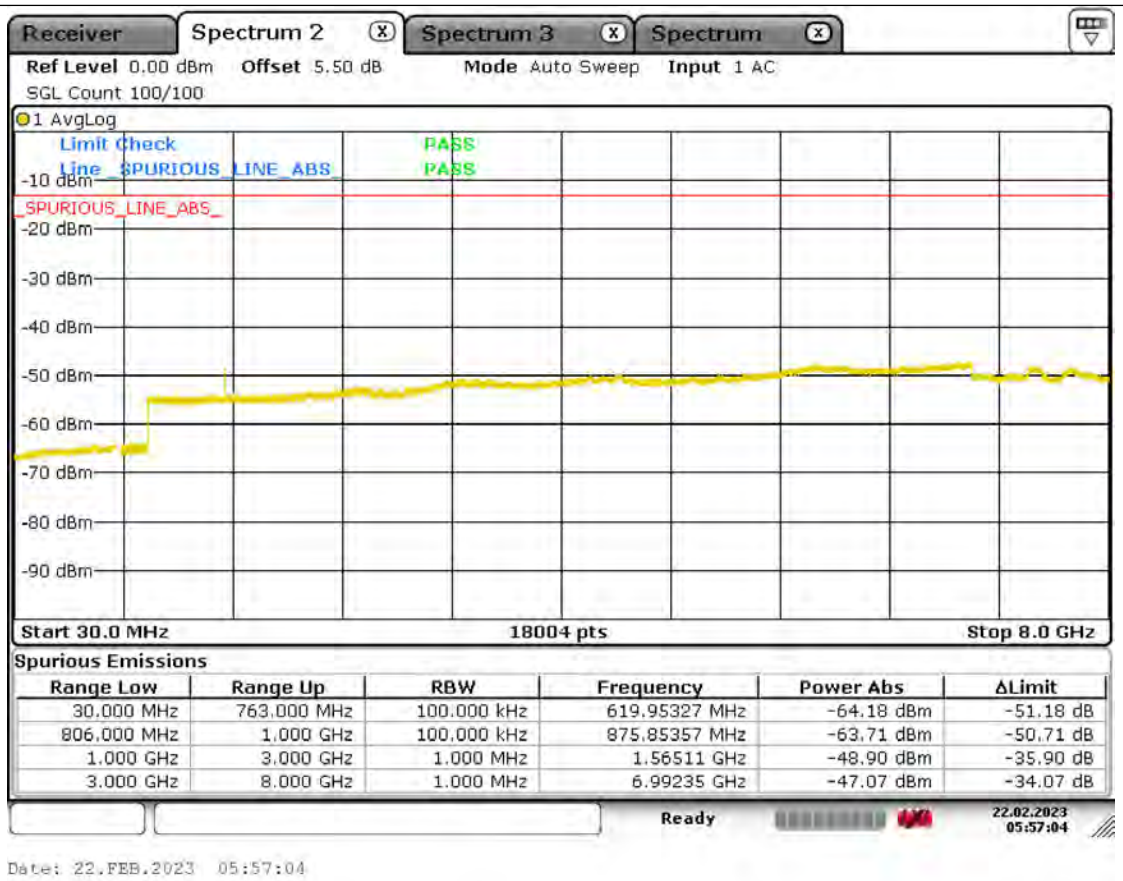
Band13-5MHz-64QAM-23205-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	619.95327 MHz	-64.18 dBm	-51.18 dB
806.000 MHz	1.000 GHz	100.000 kHz	875.85357 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-48.90 dBm	-35.90 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99235 GHz	-47.07 dBm	-34.07 dB

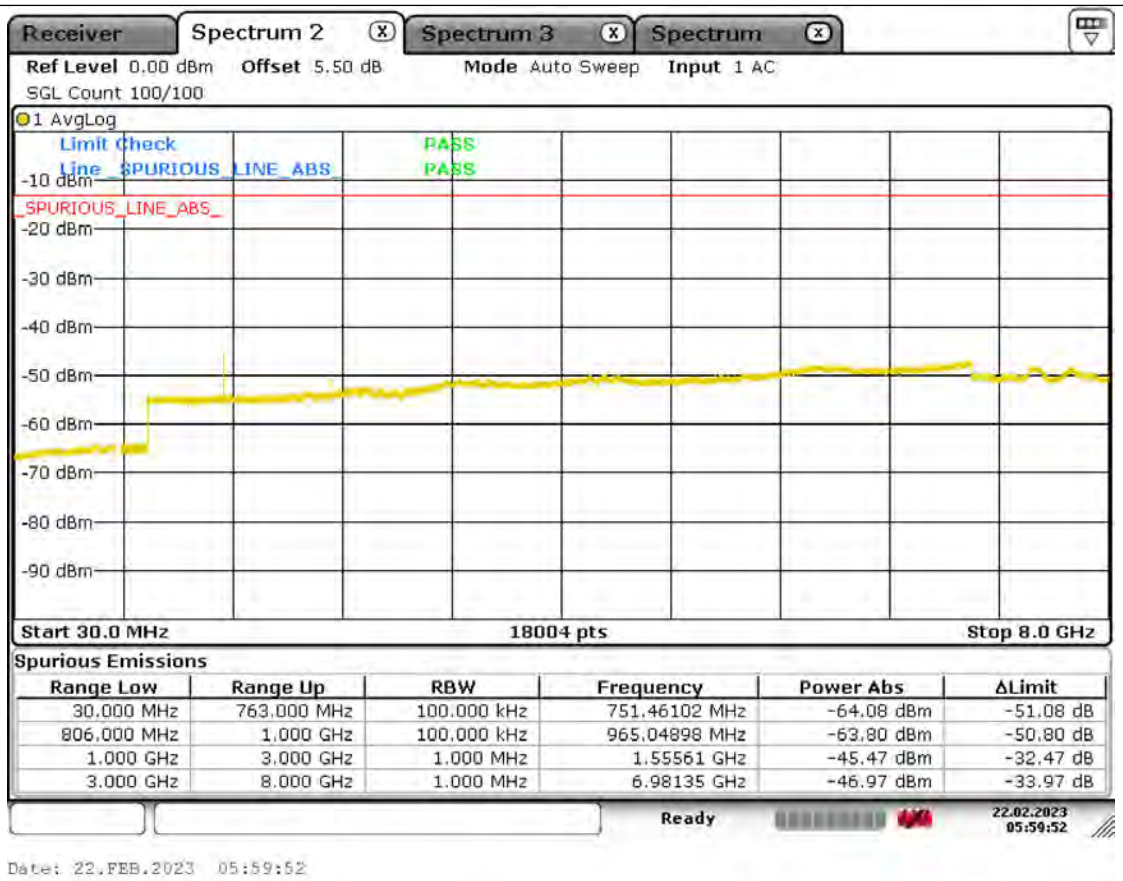
Band13-5MHz-64QAM-23205-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	619.95327 MHz	-64.18 dBm	-51.18 dB
806.000 MHz	1.000 GHz	100.000 kHz	875.85357 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-48.90 dBm	-35.90 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99235 GHz	-47.07 dBm	-34.07 dB

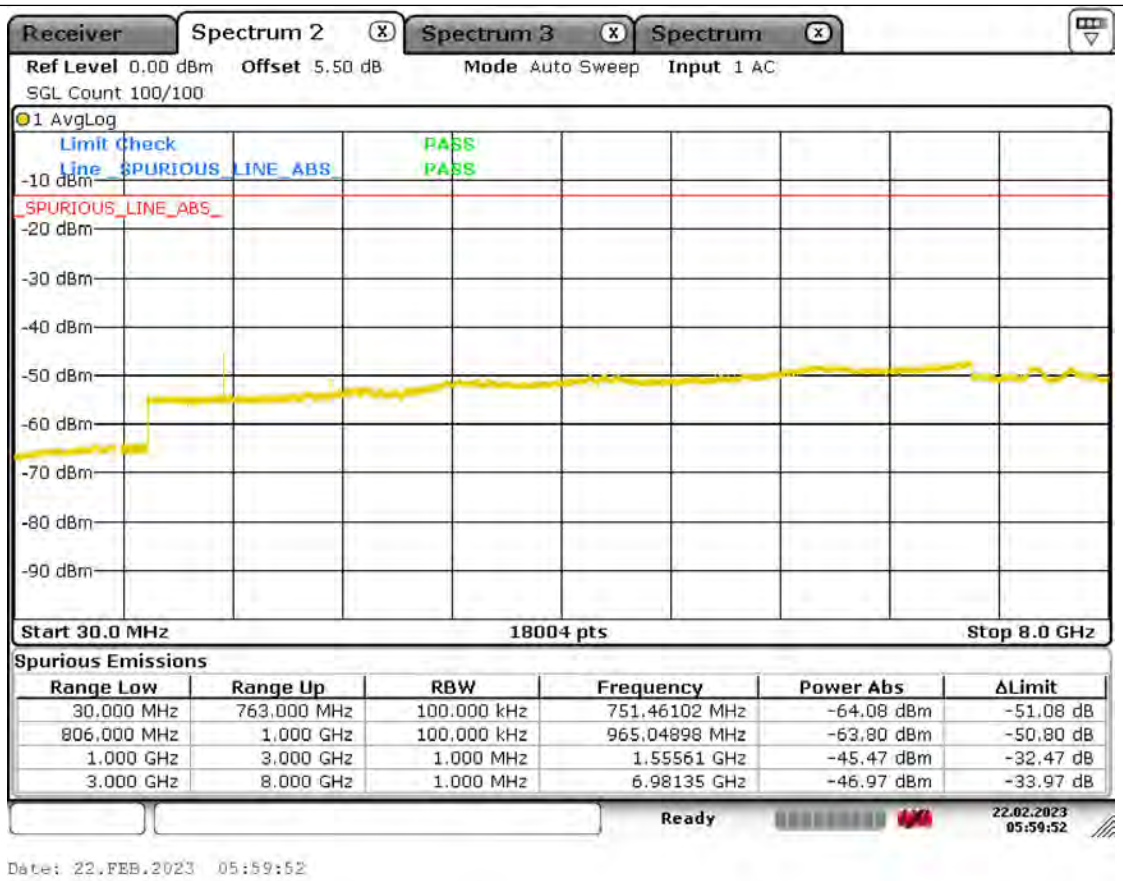
Band13-5MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	751.46102 MHz	-64.08 dBm	-51.08 dB
806.000 MHz	1.000 GHz	100.000 kHz	965.04898 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-45.47 dBm	-32.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98135 GHz	-46.97 dBm	-33.97 dB

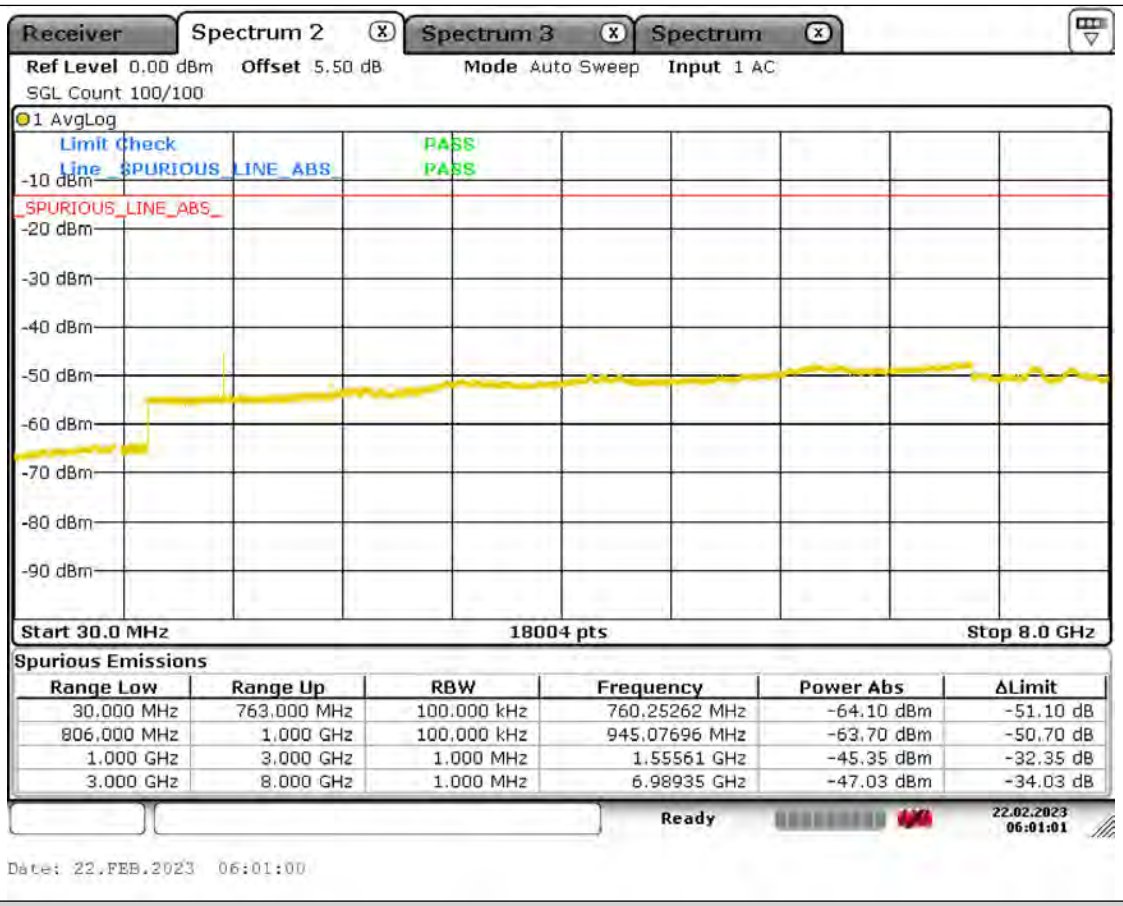
Band13-5MHz-64QAM-23230-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	751.46102 MHz	-64.08 dBm	-51.08 dB
806.000 MHz	1.000 GHz	100.000 kHz	965.04898 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-45.47 dBm	-32.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98135 GHz	-46.97 dBm	-33.97 dB

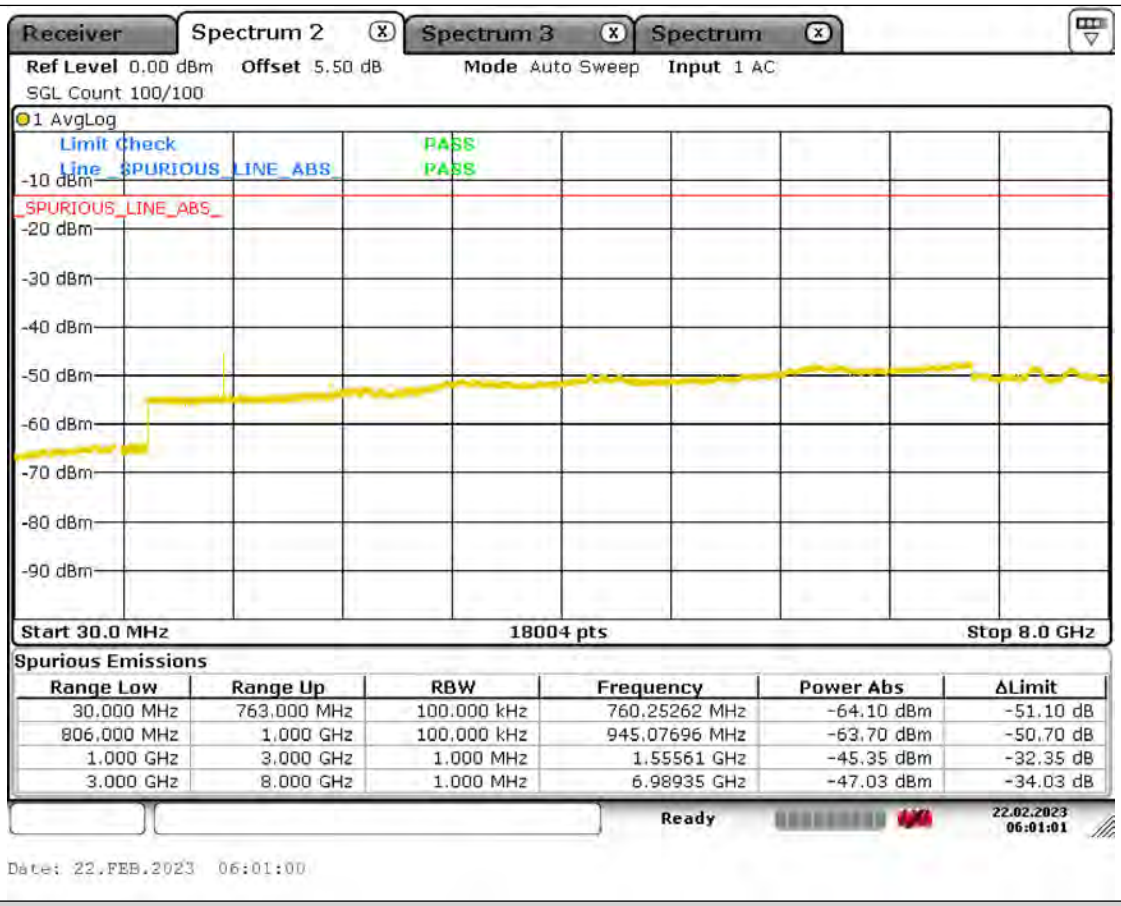
Band13-5MHz-64QAM-23255-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	760.25262 MHz	-64.10 dBm	-51.10 dB
806.000 MHz	1.000 GHz	100.000 kHz	945.07696 MHz	-63.70 dBm	-50.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98935 GHz	-47.03 dBm	-34.03 dB

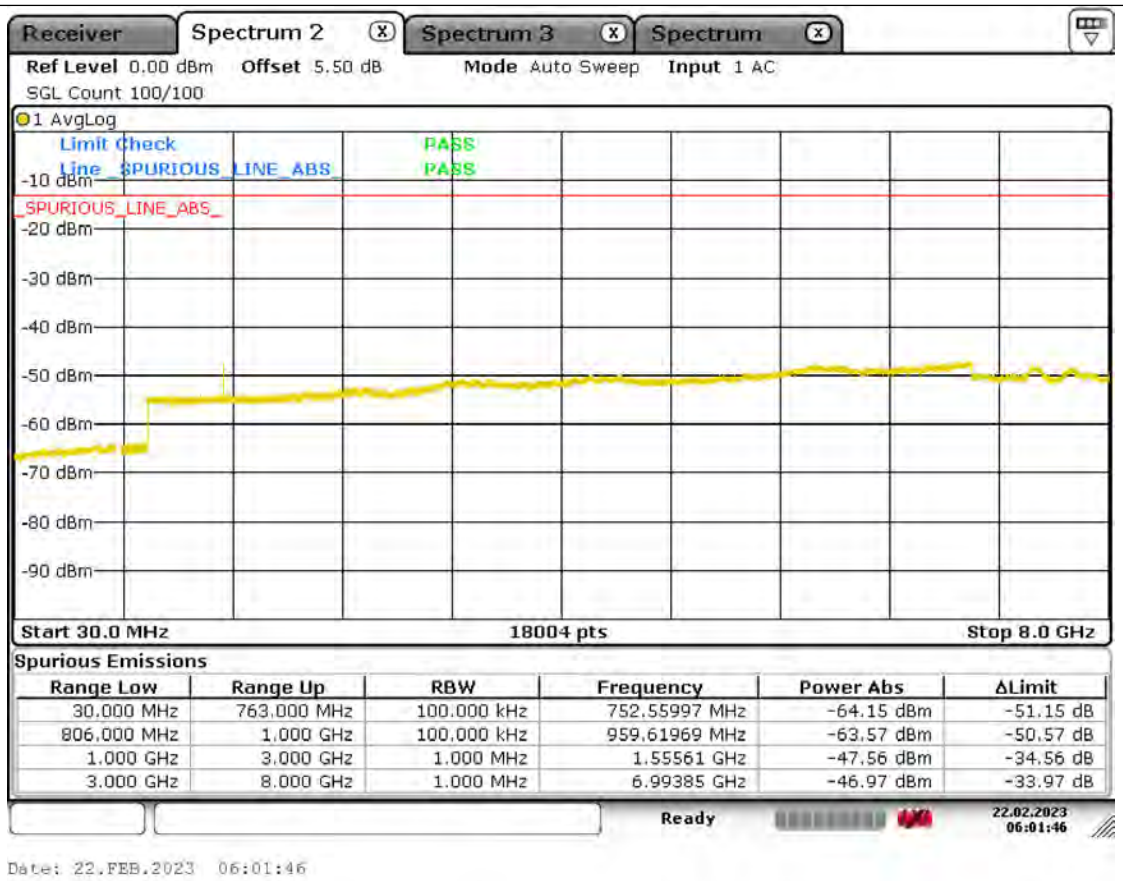
Band13-5MHz-64QAM-23255-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	760.25262 MHz	-64.10 dBm	-51.10 dB
806.000 MHz	1.000 GHz	100.000 kHz	945.07696 MHz	-63.70 dBm	-50.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98935 GHz	-47.03 dBm	-34.03 dB

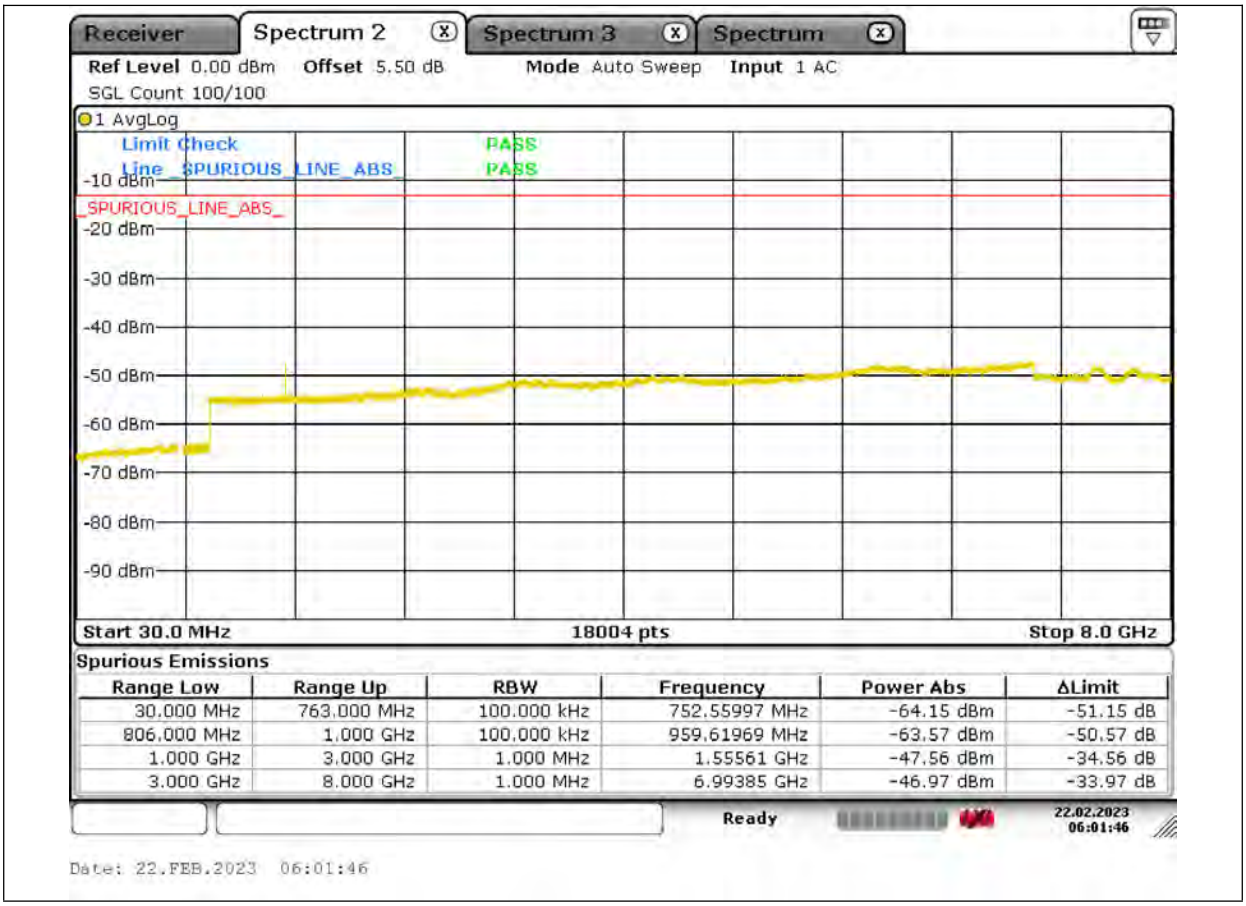
Band13-10MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	752.55997 MHz	-64.15 dBm	-51.15 dB
806.000 MHz	1.000 GHz	100.000 kHz	959.61969 MHz	-63.57 dBm	-50.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-47.56 dBm	-34.56 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99385 GHz	-46.97 dBm	-33.97 dB

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


Receiver
Spectrum 2
Spectrum 3
Spectrum
Ref Level 0.00 dBm Offset 5.50 dB Mode Auto Sweep Input 1 AC
SGL Count 100/100
1 AvgLog
Limit Check PASS
Line _SPURIOUS_LINE_ABS_ PASS
-10 dBm
_SPURIOUS_LINE_ABS_
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
Start 30.0 MHz
18004 pts
Stop 8.0 GHz
Spurious Emissions
Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit
30.000 MHz | 763.000 MHz | 100.000 kHz | 752.55997 MHz | -64.15 dBm | -51.15 dB
806.000 MHz | 1.000 GHz | 100.000 kHz | 959.61969 MHz | -63.57 dBm | -50.57 dB
1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55561 GHz | -47.56 dBm | -34.56 dB
3.000 GHz | 8.000 GHz | 1.000 MHz | 6.99385 GHz | -46.97 dBm | -33.97 dB
Ready
22.02.2023
06:01:46
Date: 22.FEB.2023 06:01:46

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	11.1	0.014194	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-17.7	-0.022634	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-11.6	-0.014834	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	22.5	0.028772	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	15.9	0.020332	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	17.8	0.022762	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VL	NT	-5.3	-0.006777	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VN	NT	-2.9	-0.003708	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VH	NT	-3.3	-0.004220	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	15.61	0.019962	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	10.51	0.013440	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	5.44	0.006957	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-6.15	-0.007864	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-10.59	-0.013542	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	5.44	0.006957	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-6.15	-0.007864	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-10.59	-0.013542	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	14.12	0.018056	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	23.65	0.030243	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	30.31	0.038760	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	35.26	0.045090	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	39.53	0.050550	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	30.31	0.038760	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	35.26	0.045090	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	39.53	0.050550	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-30	-4.71	-0.006023	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-20	-8.63	-0.011036	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	0	-11.50	-0.014706	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	10	-10.43	-0.013338	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	20	-9.40	-0.012020	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	30	-10.43	-0.013338	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	40	-9.40	-0.012020	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	50	-9.40	-0.012020	±2.5	PASS

LTE BAND66

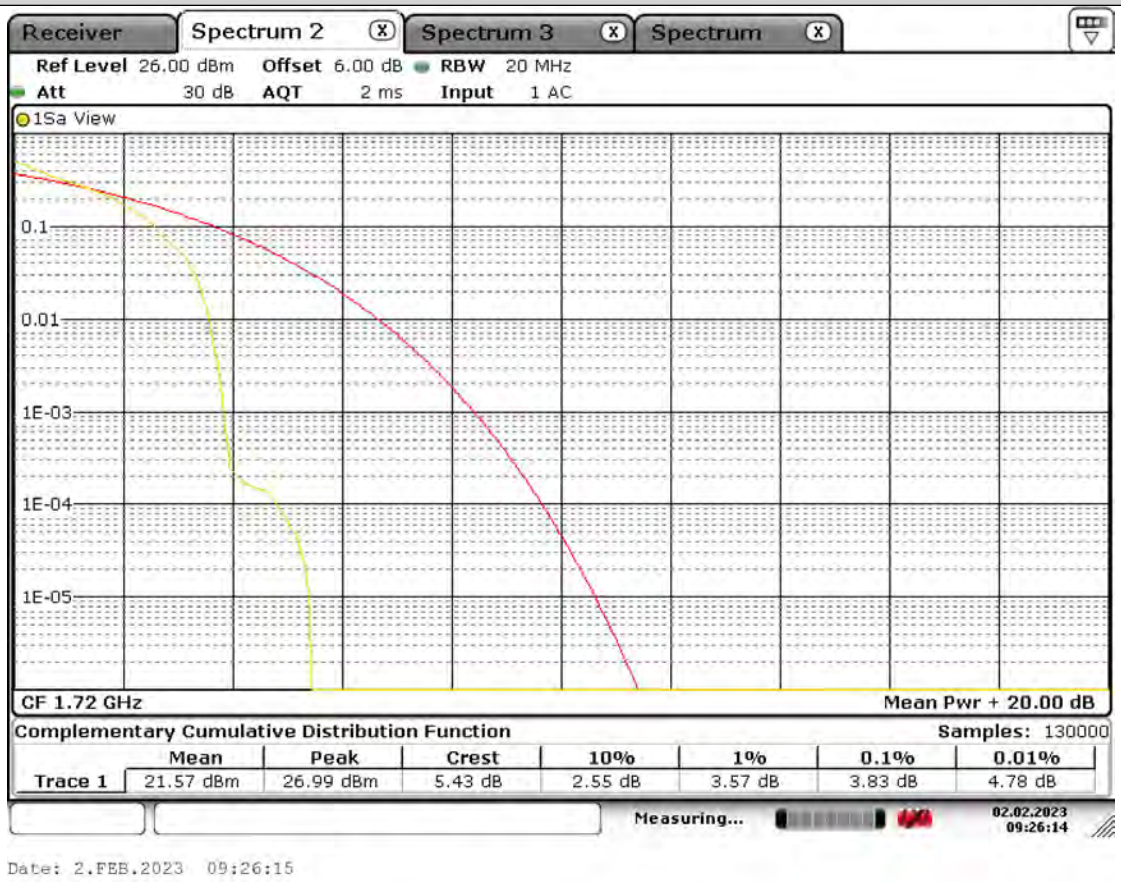
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

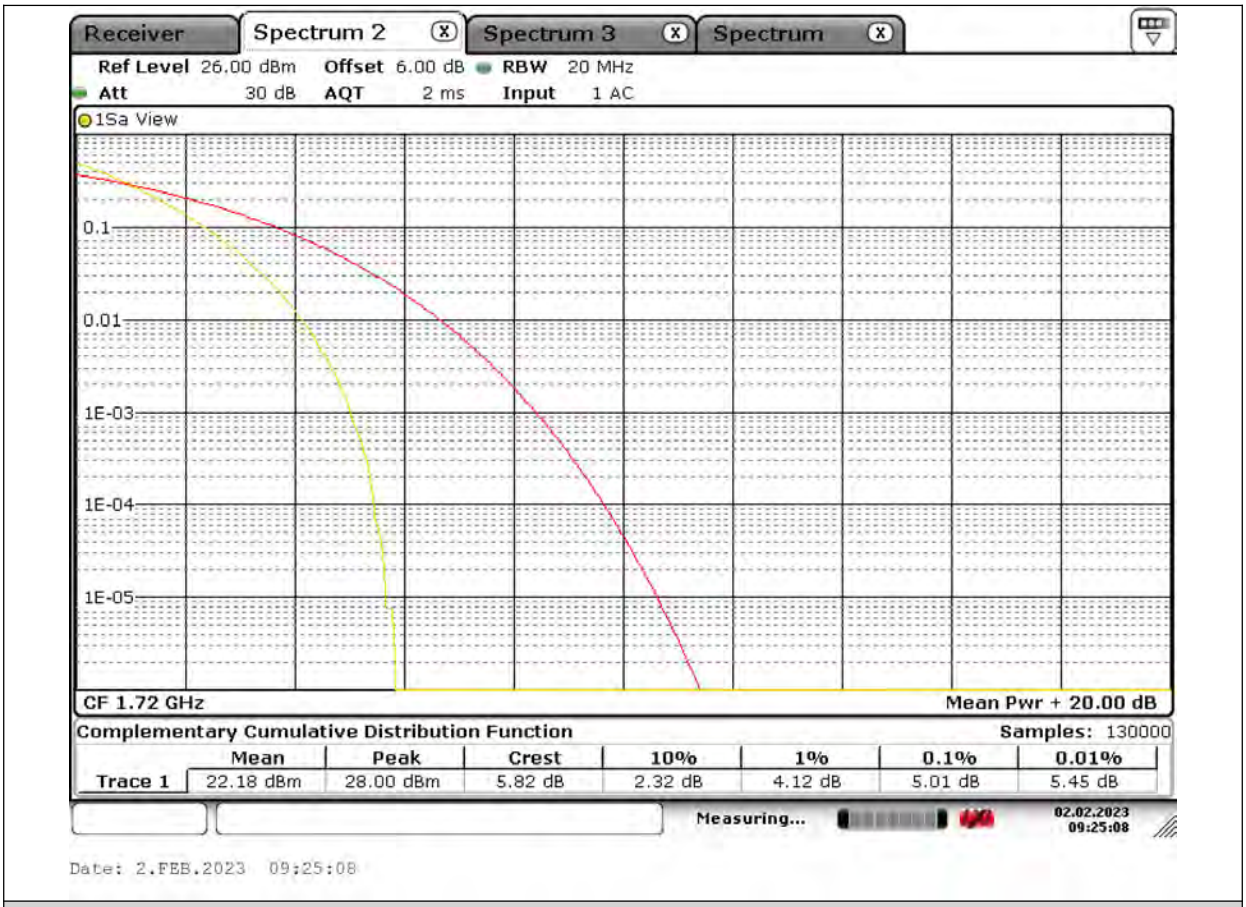
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	3.83	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.01	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	5.10	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.70	13	PASS
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

Band66-20MHz-QPSK-132072-1RB#0



Band66-20MHz-QPSK-132072-100RB#0



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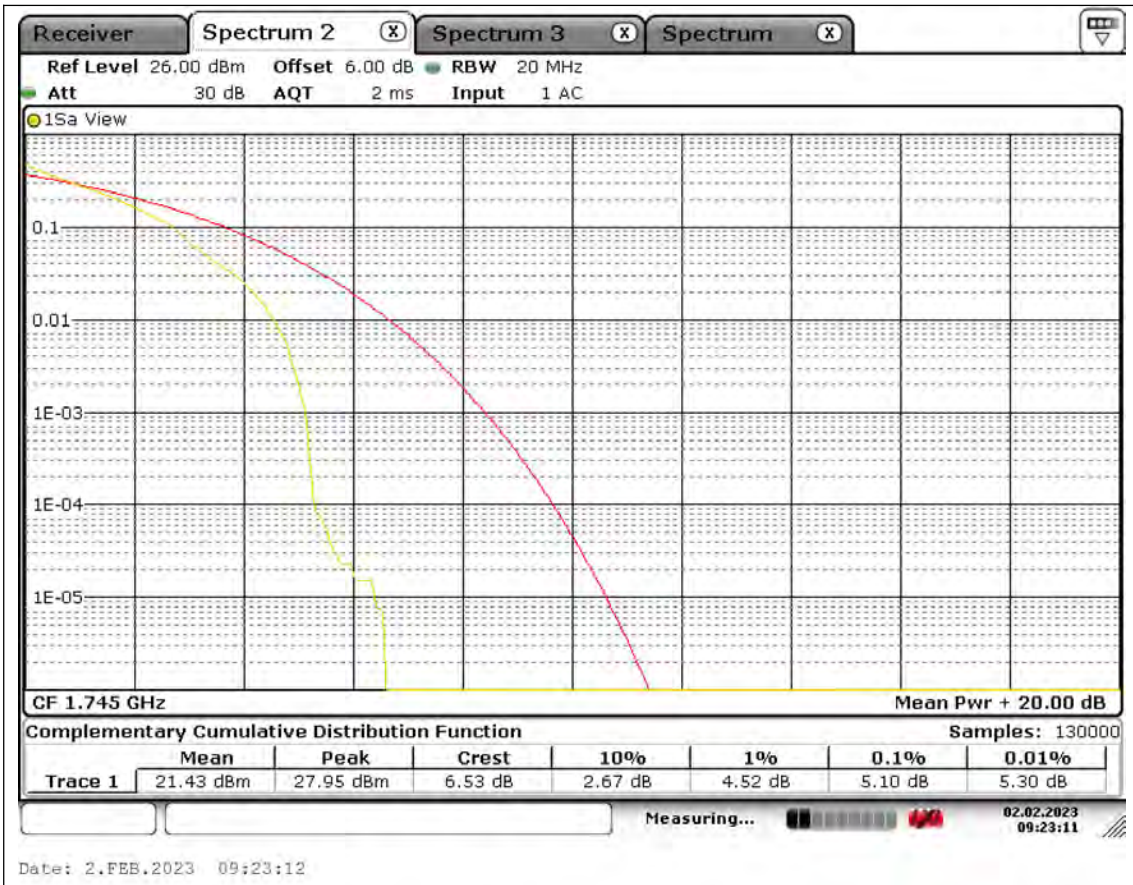
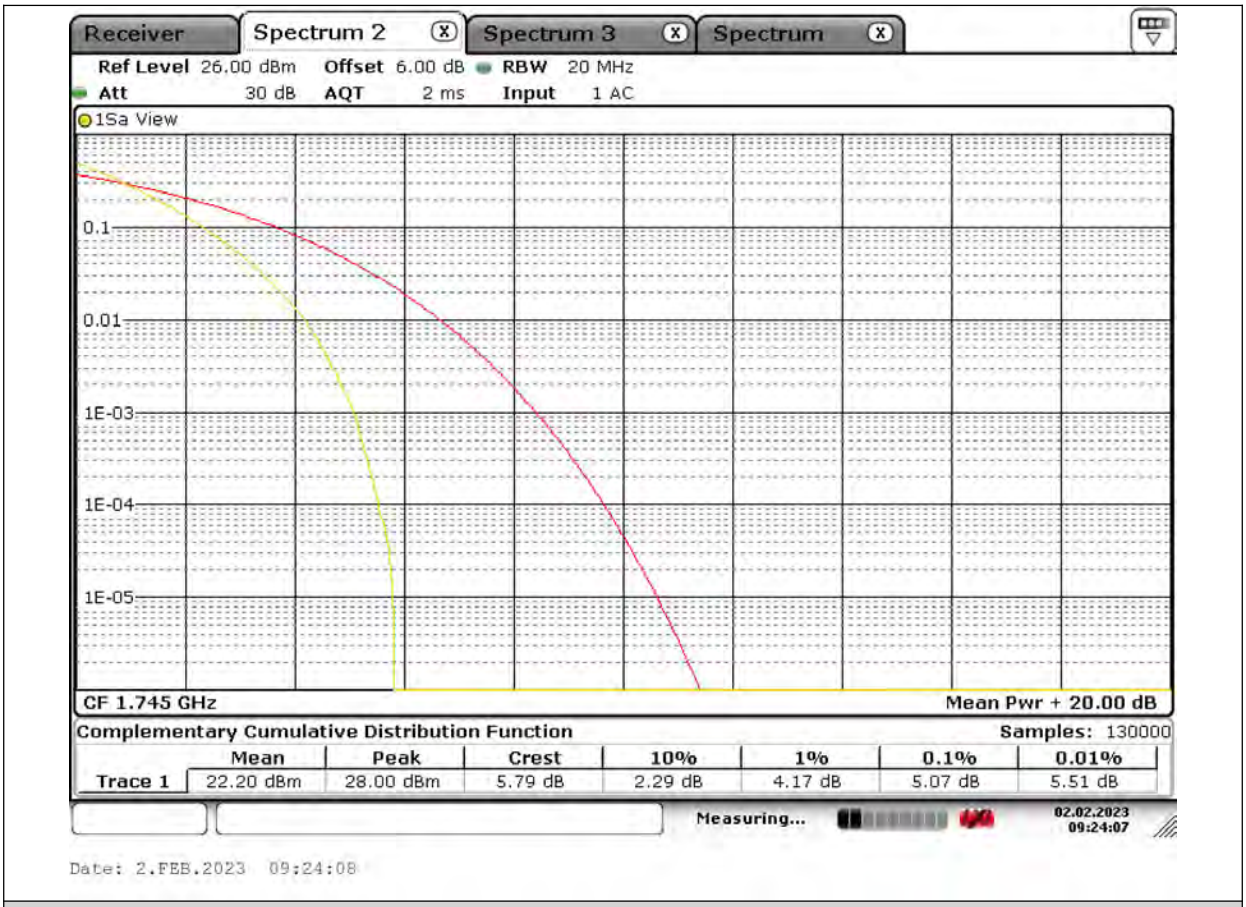
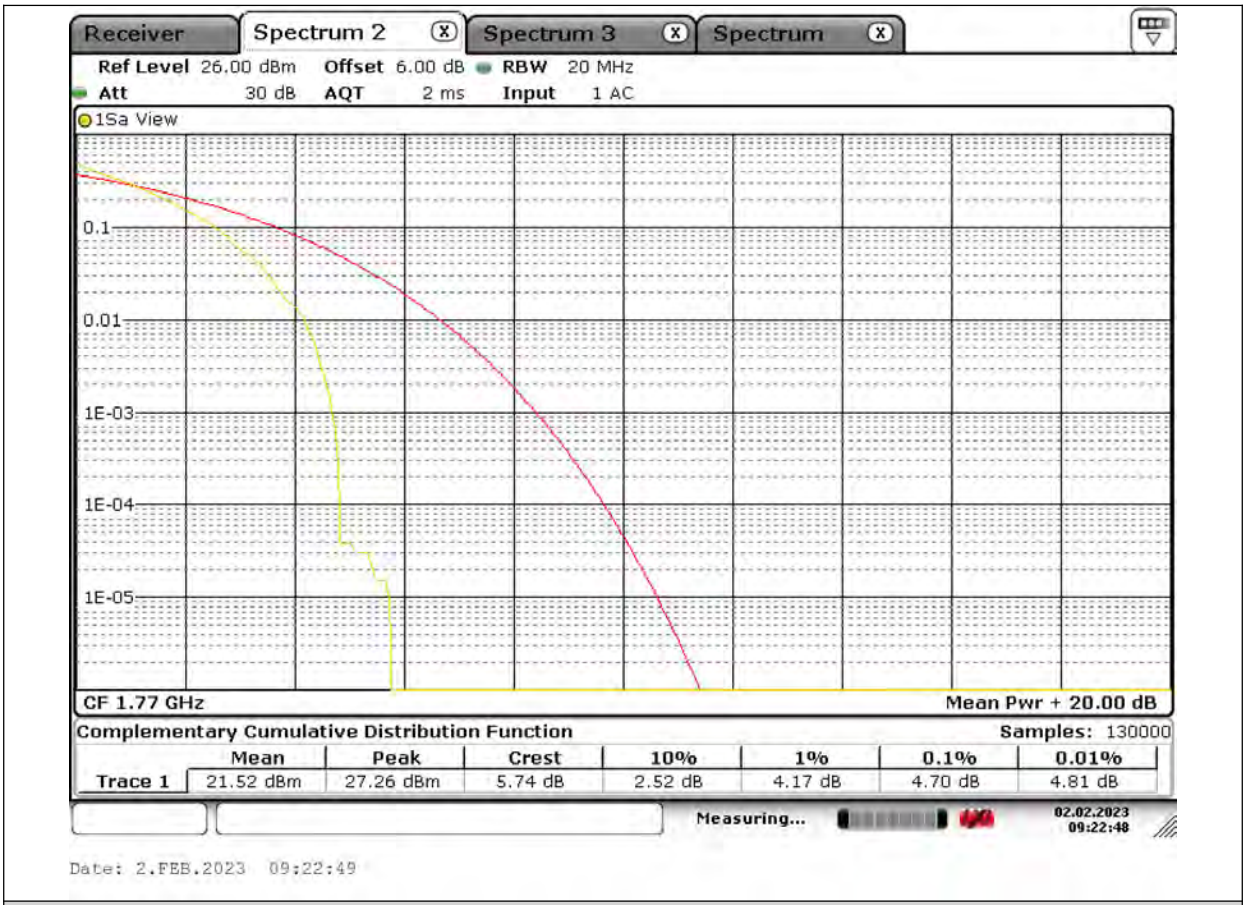


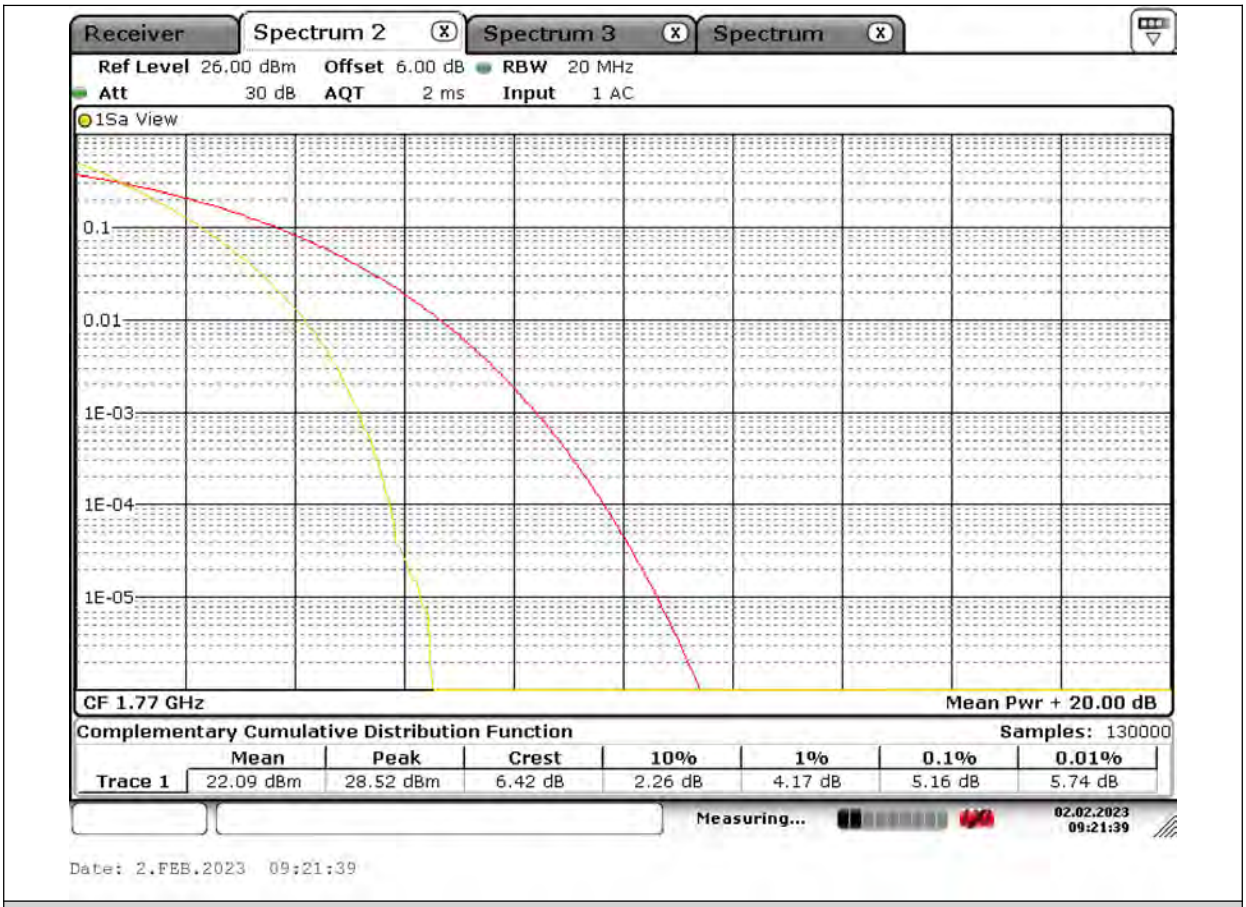
Band66-20MHz-QPSK-132322-100RB#0



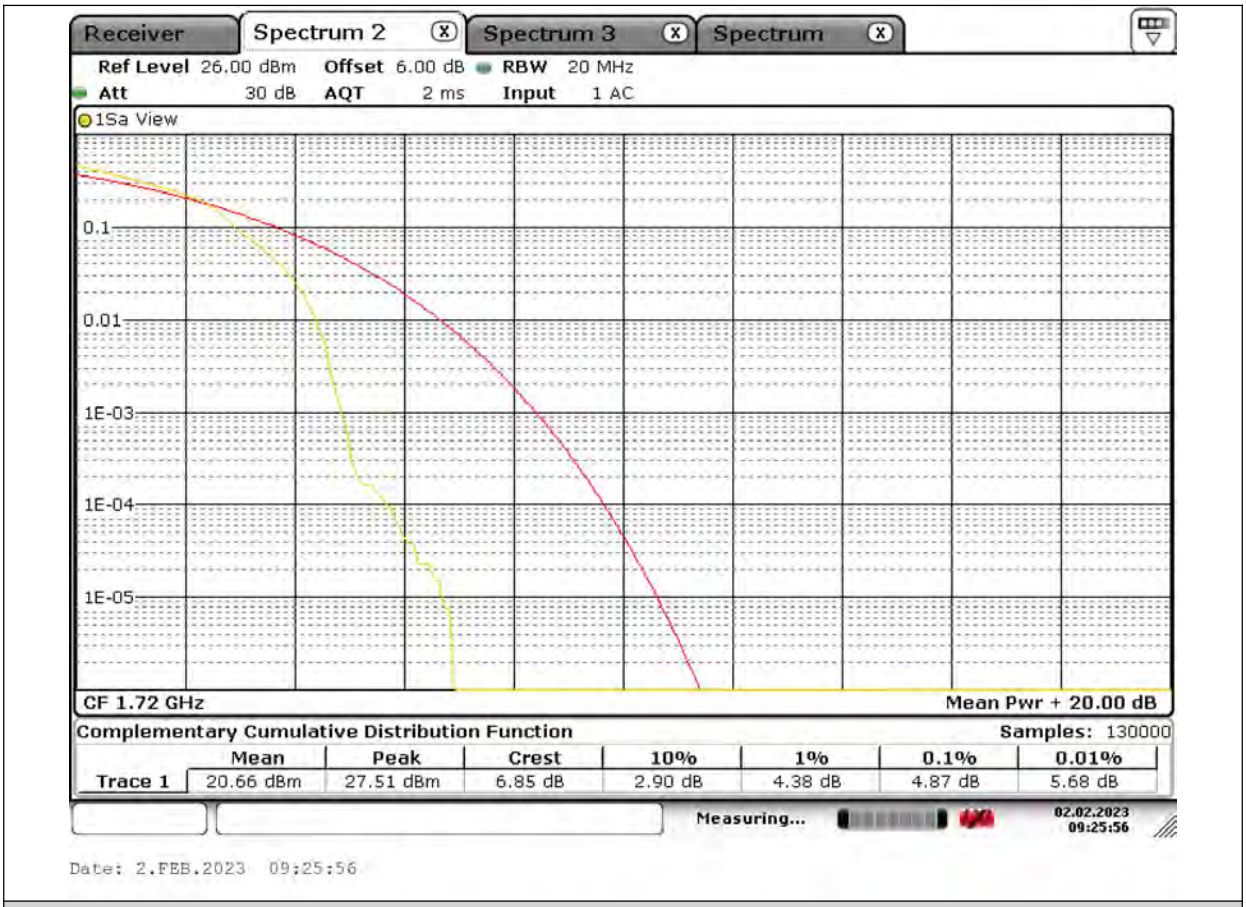
Band66-20MHz-QPSK-132572-1RB#0



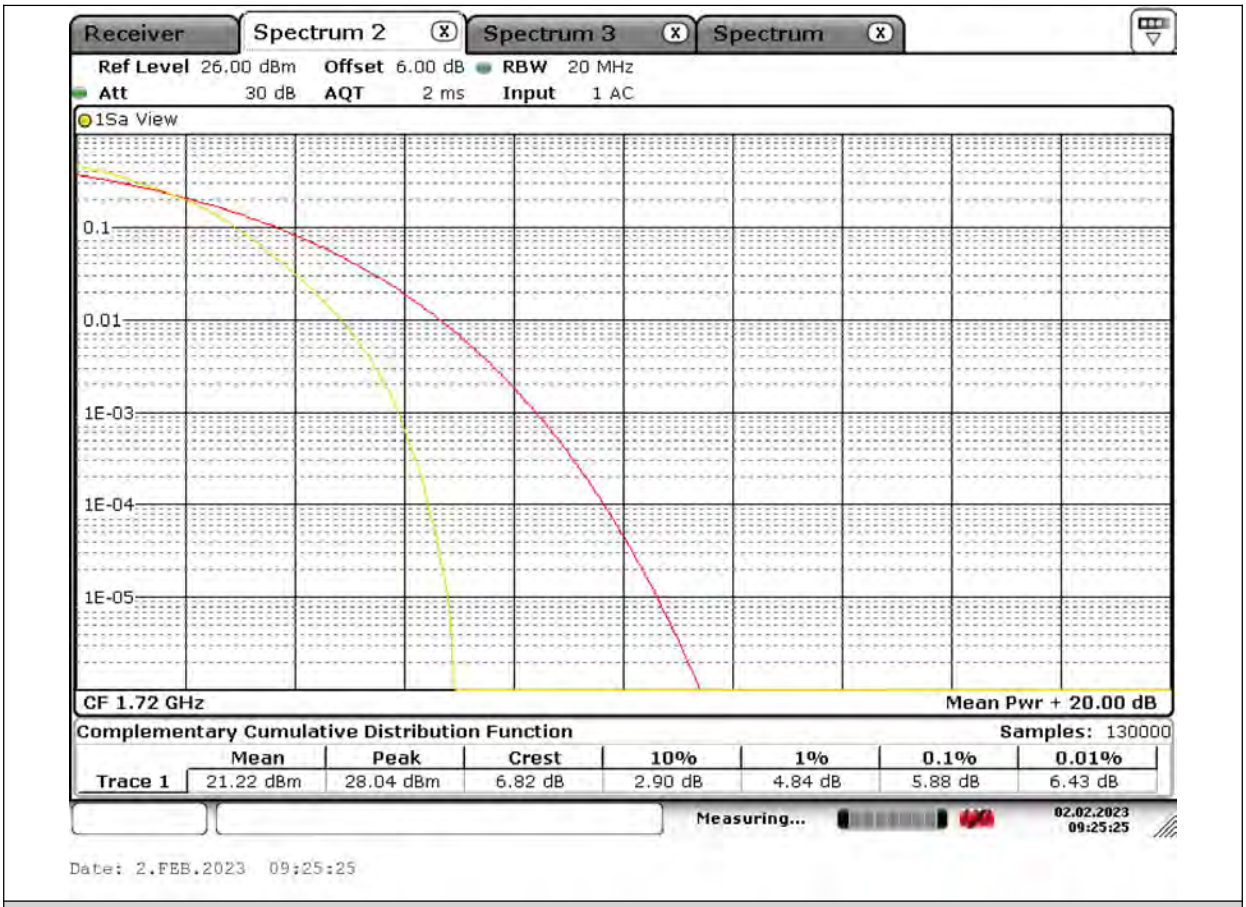
Band66-20MHz-QPSK-132572-100RB#0



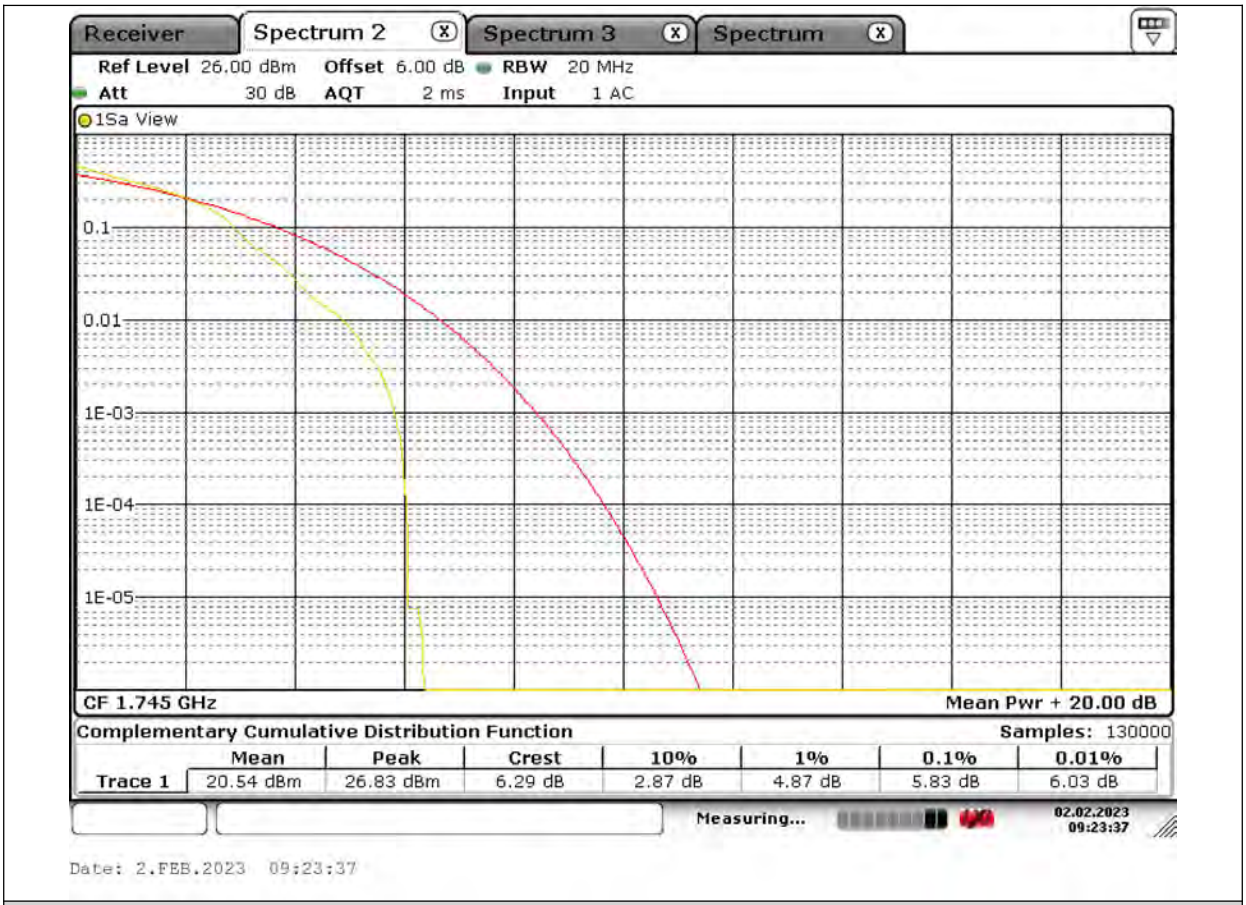
Band66-20MHz-16QAM-132072-1RB#0



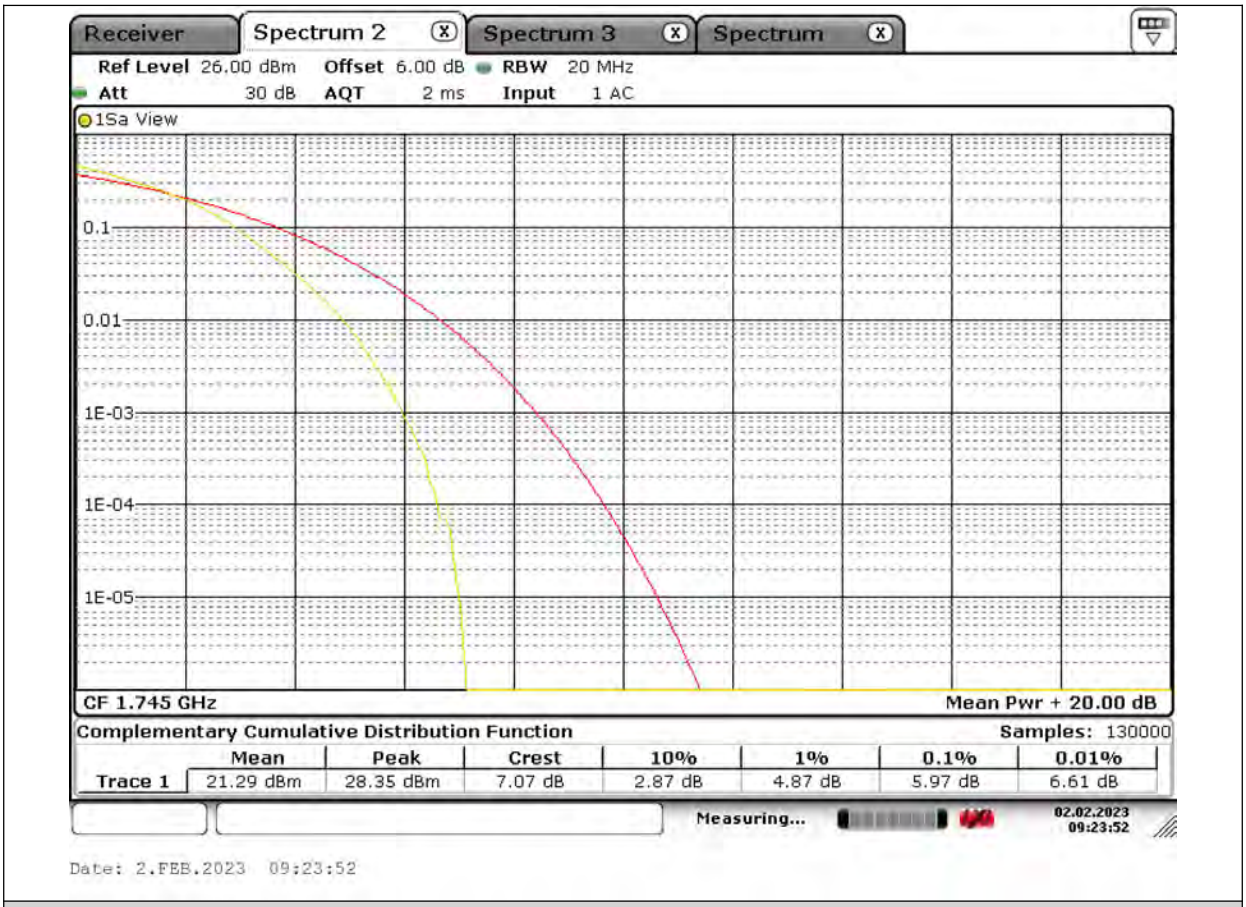
Band66-20MHz-16QAM-132072-100RB#0



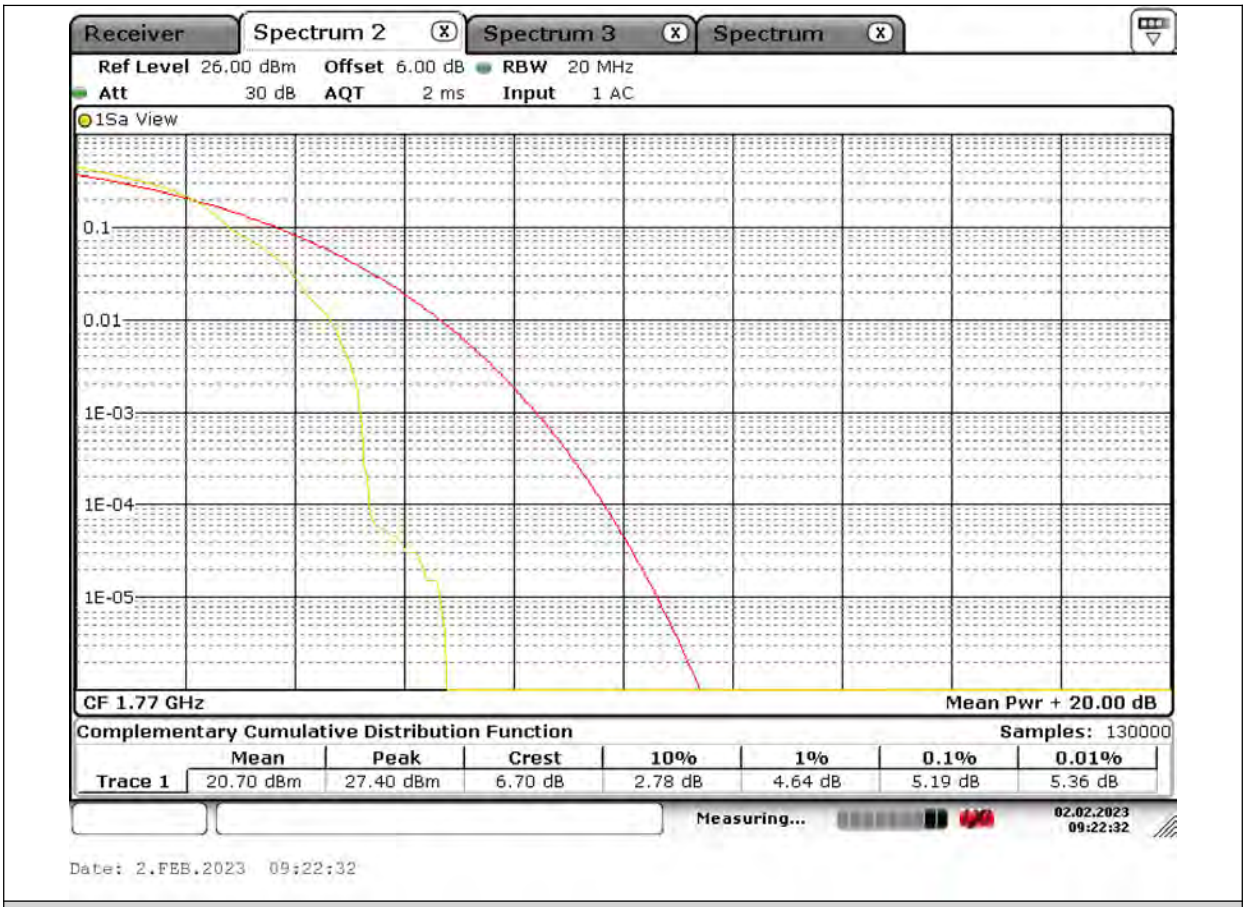
Band66-20MHz-16QAM-132322-1RB#0



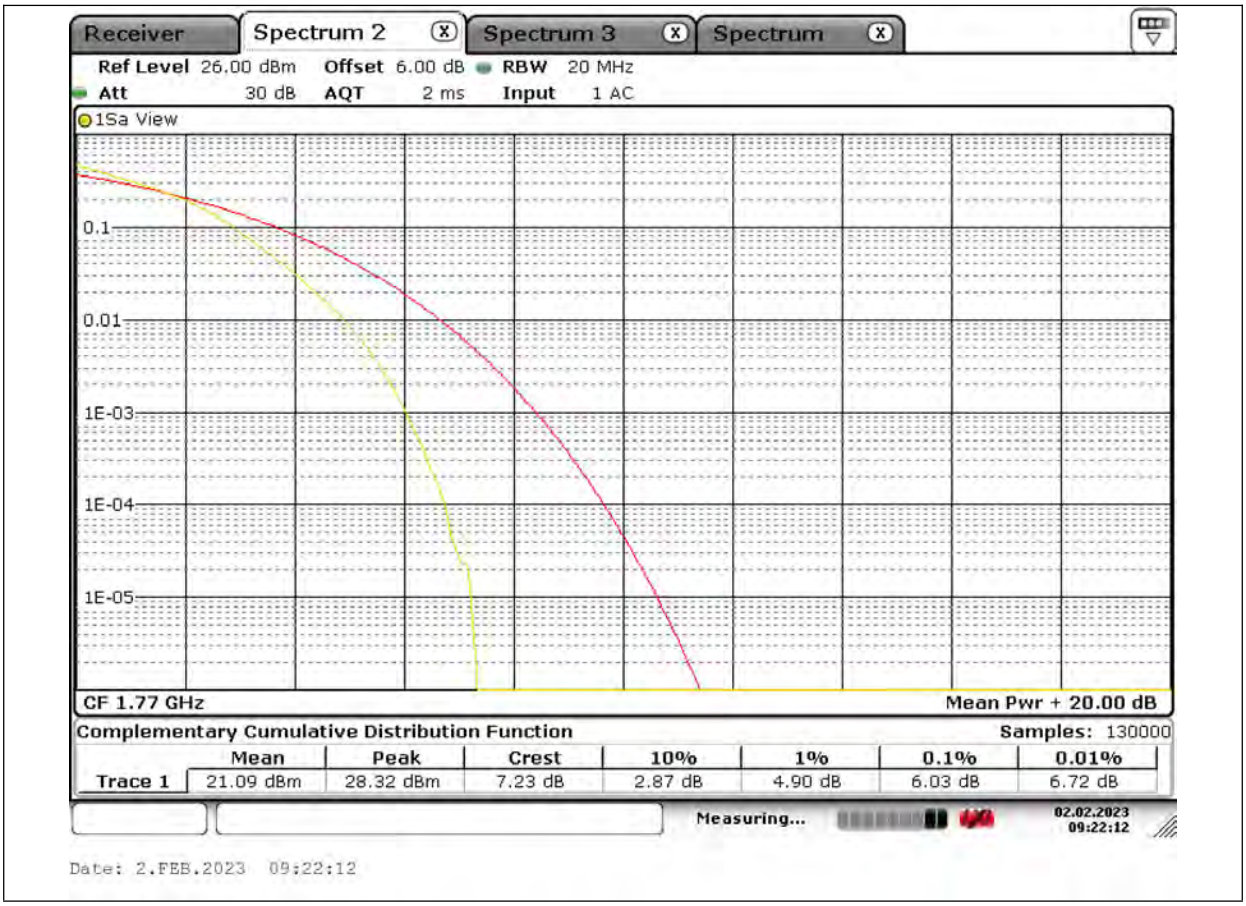
Band66-20MHz-16QAM-132322-100RB#0



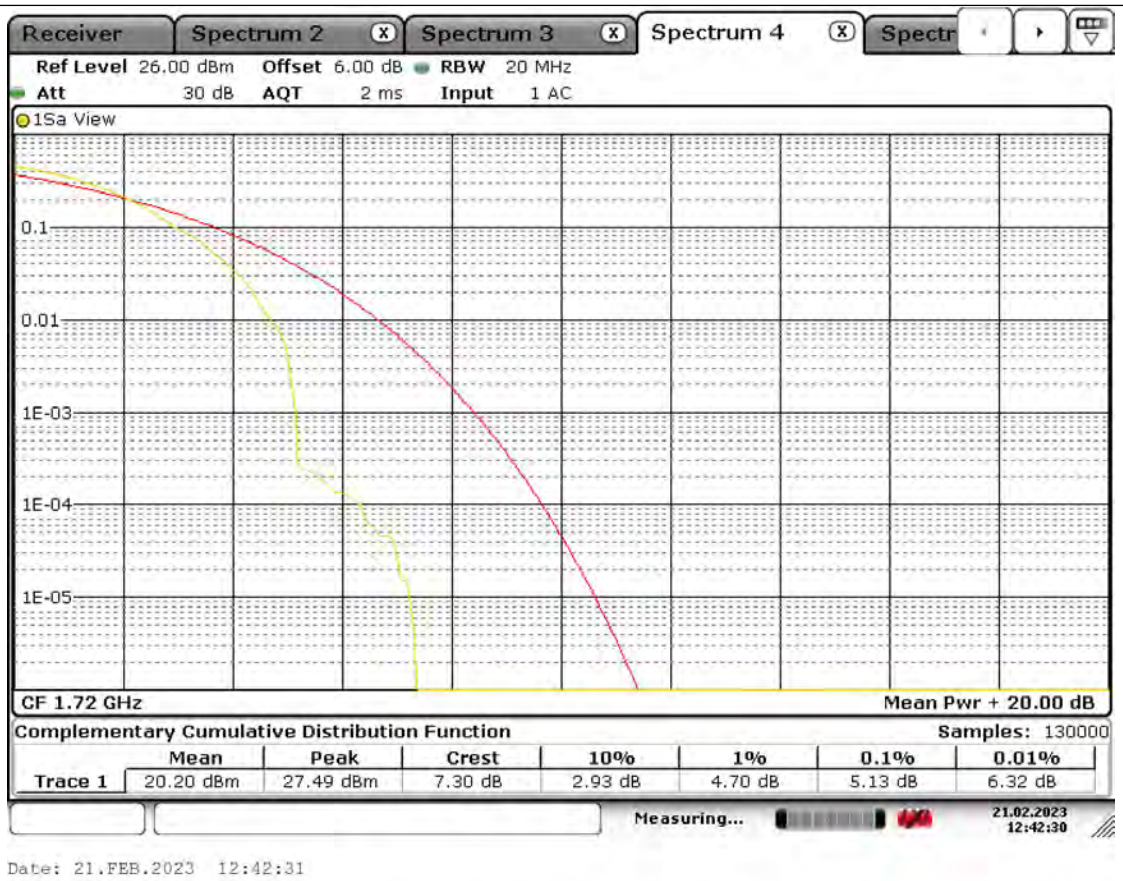
Band66-20MHz-16QAM-132572-1RB#0



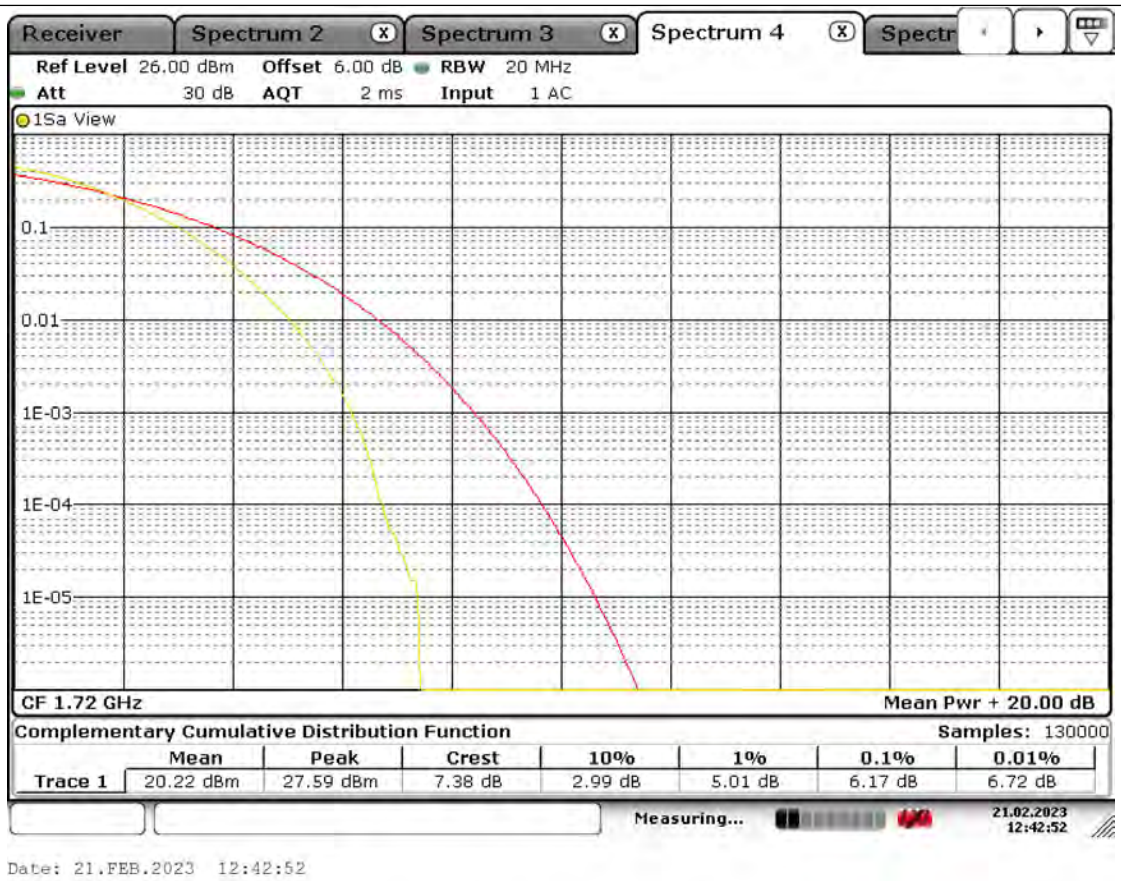
Band66-20MHz-16QAM-132572-100RB#0



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



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



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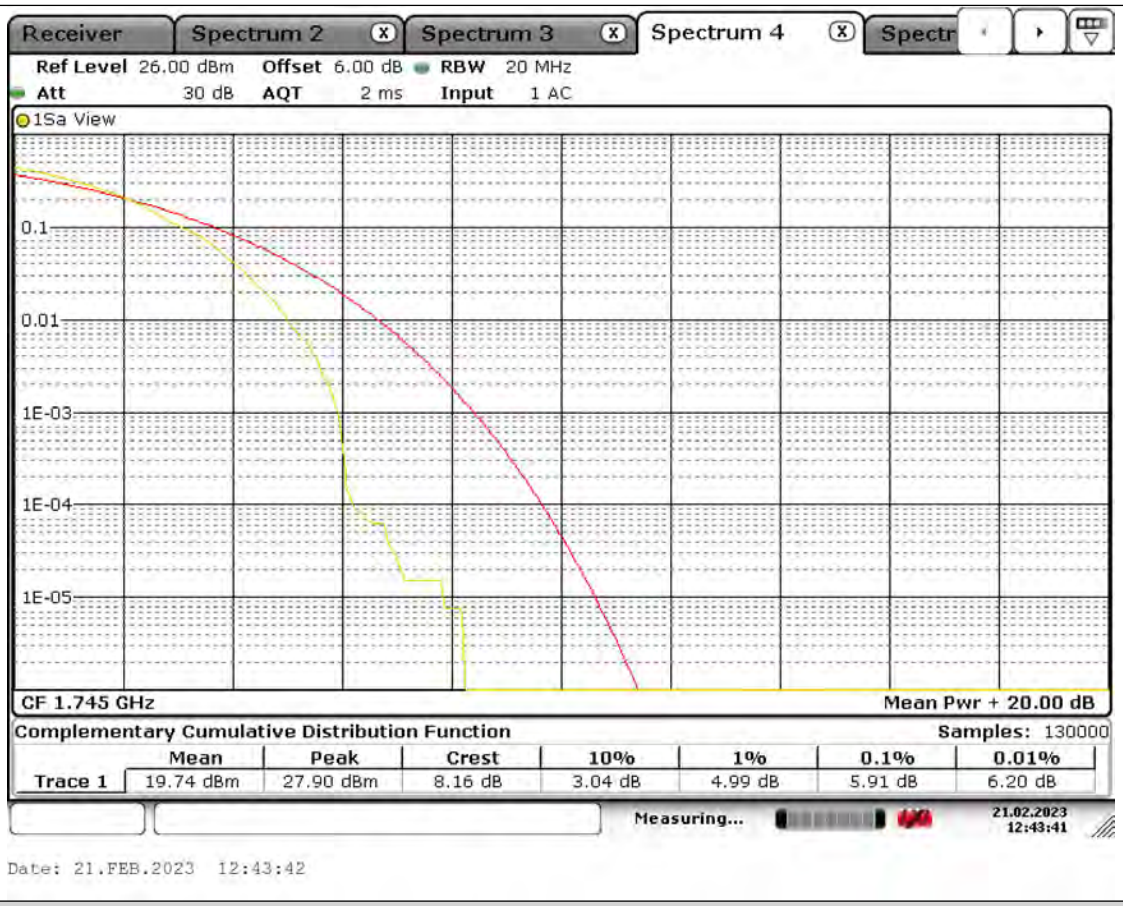

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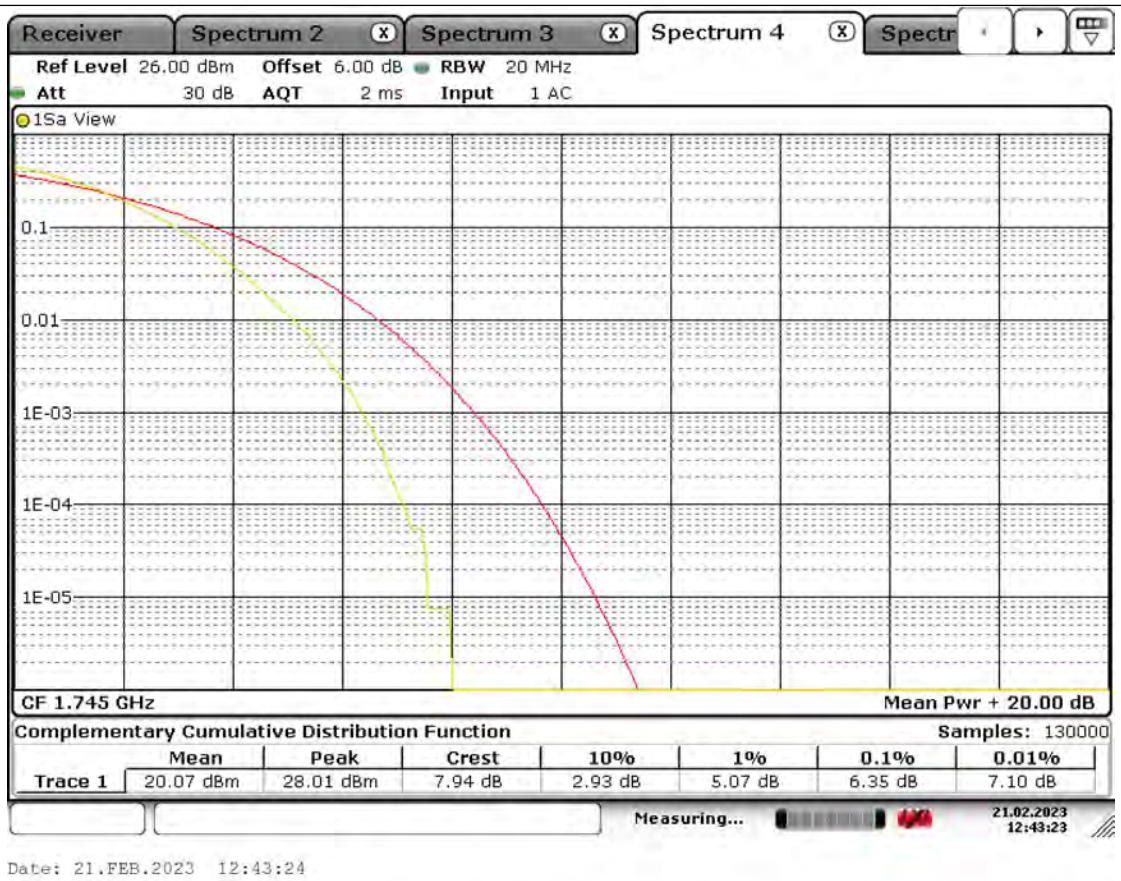

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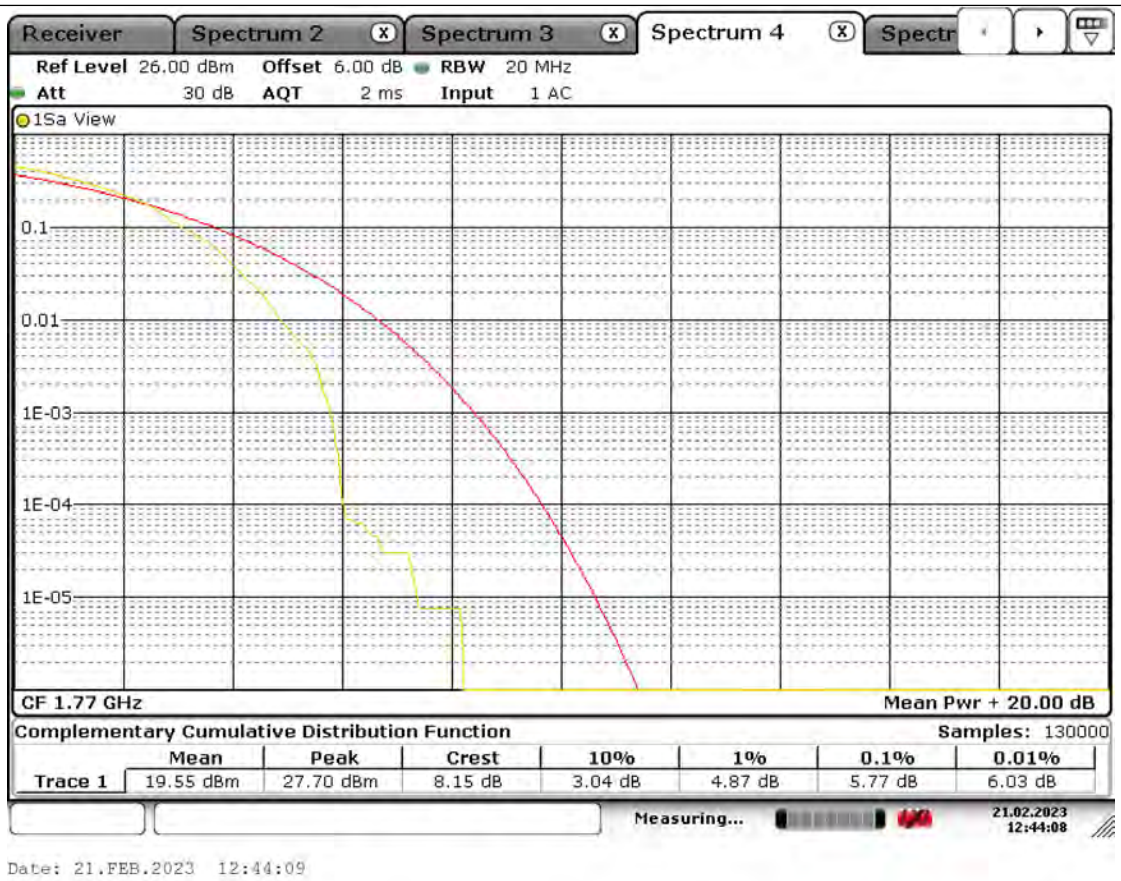

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