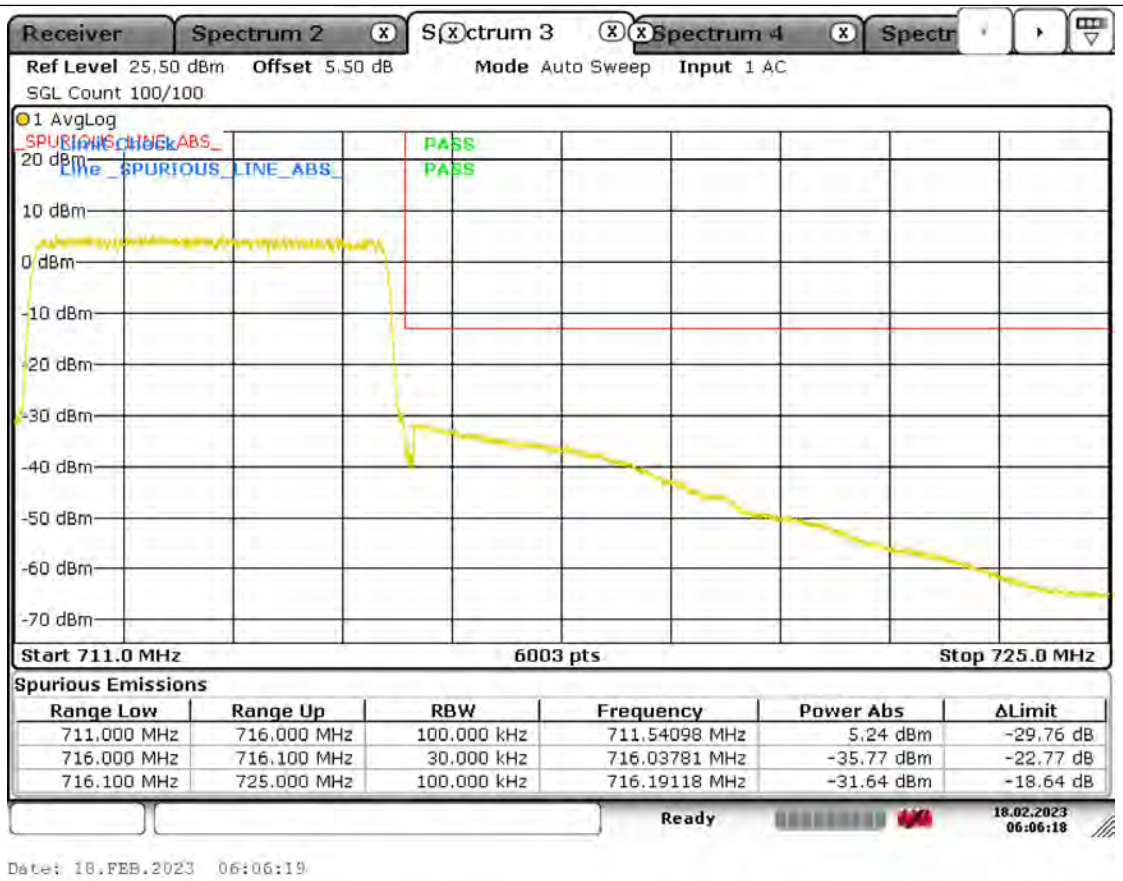
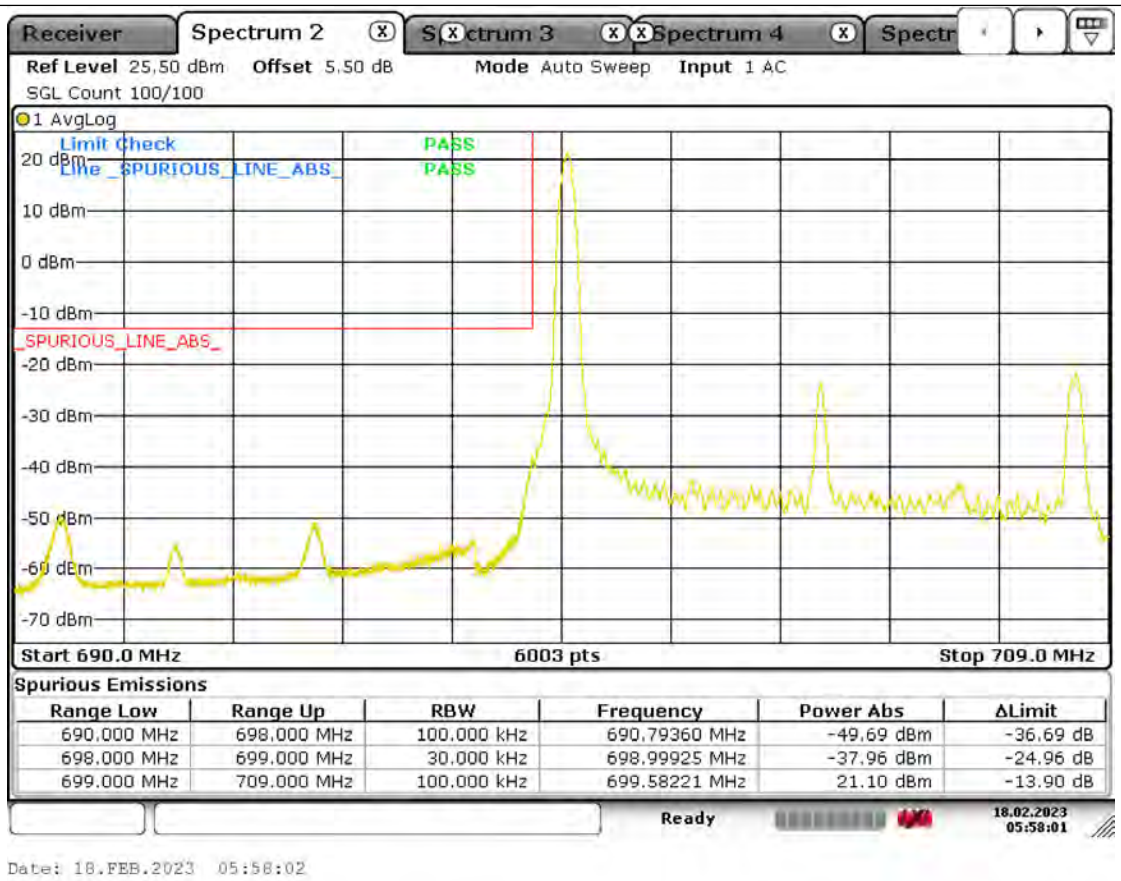
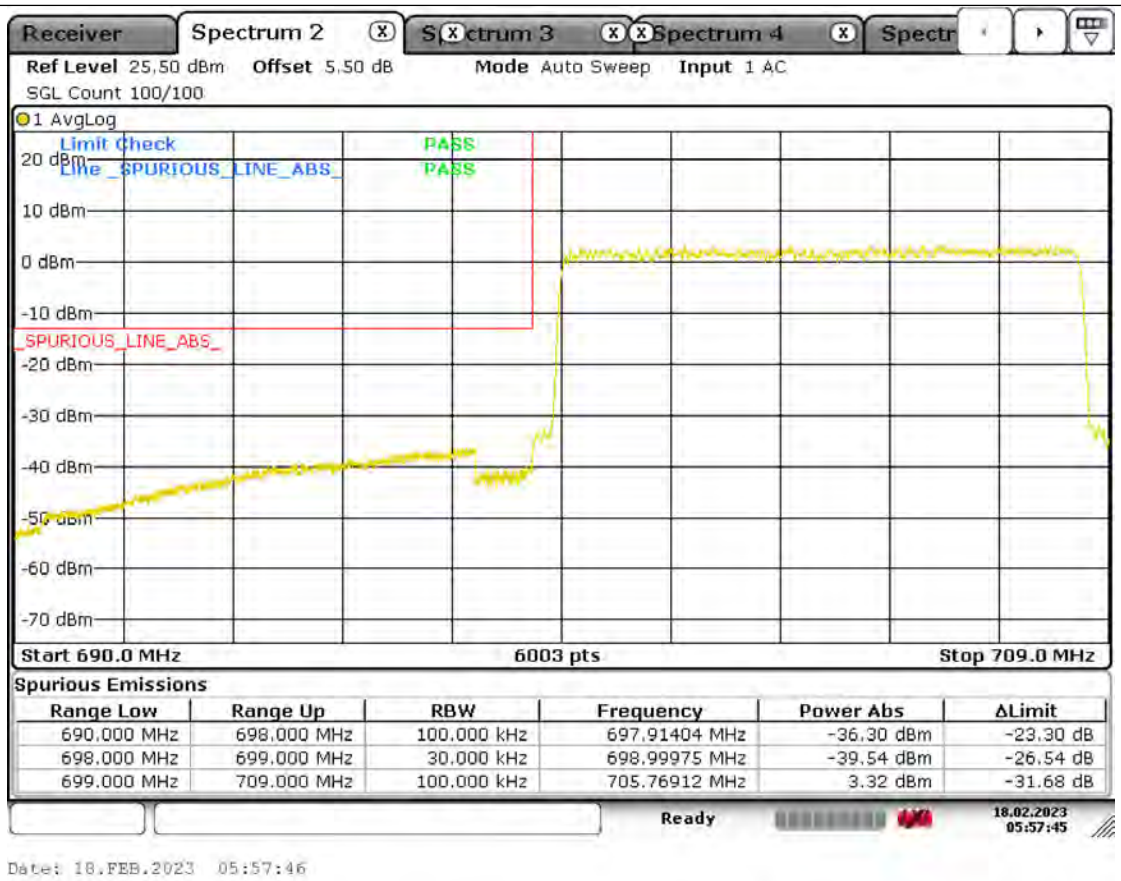


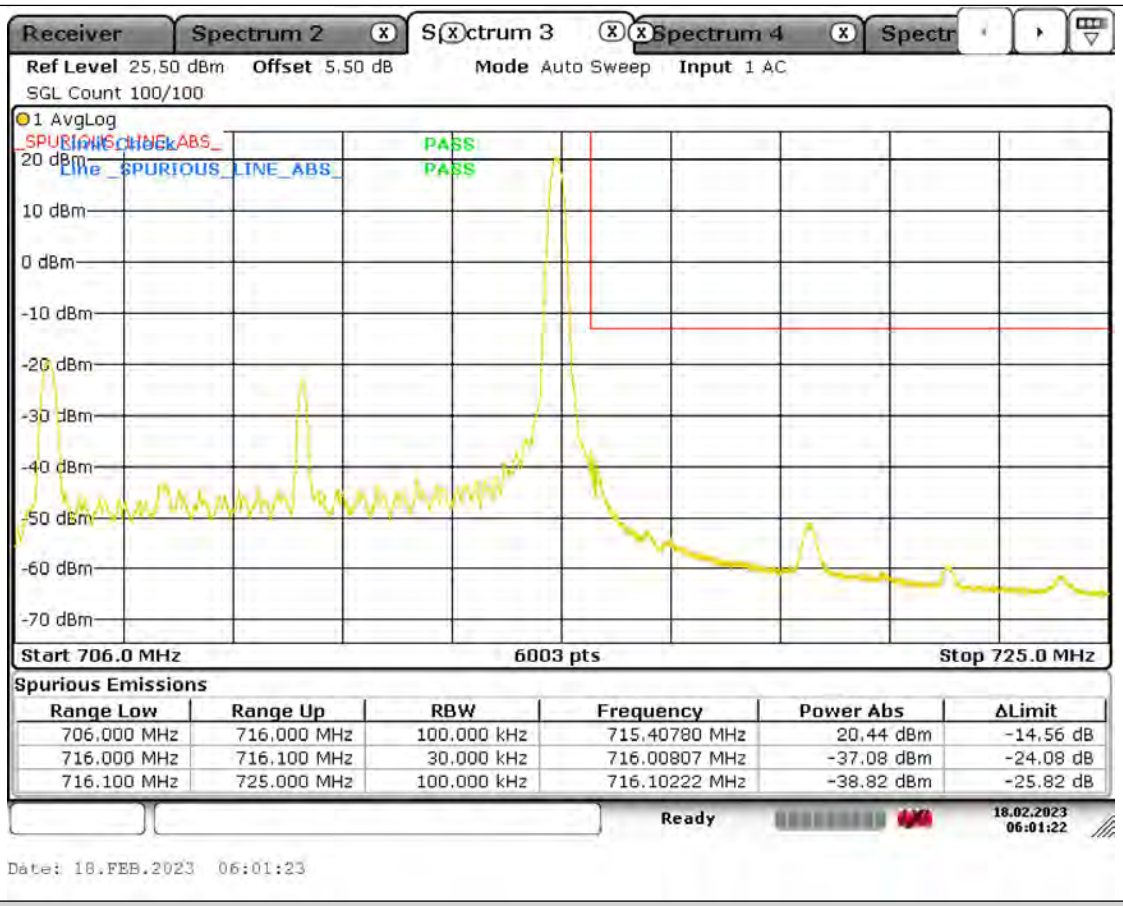
Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0



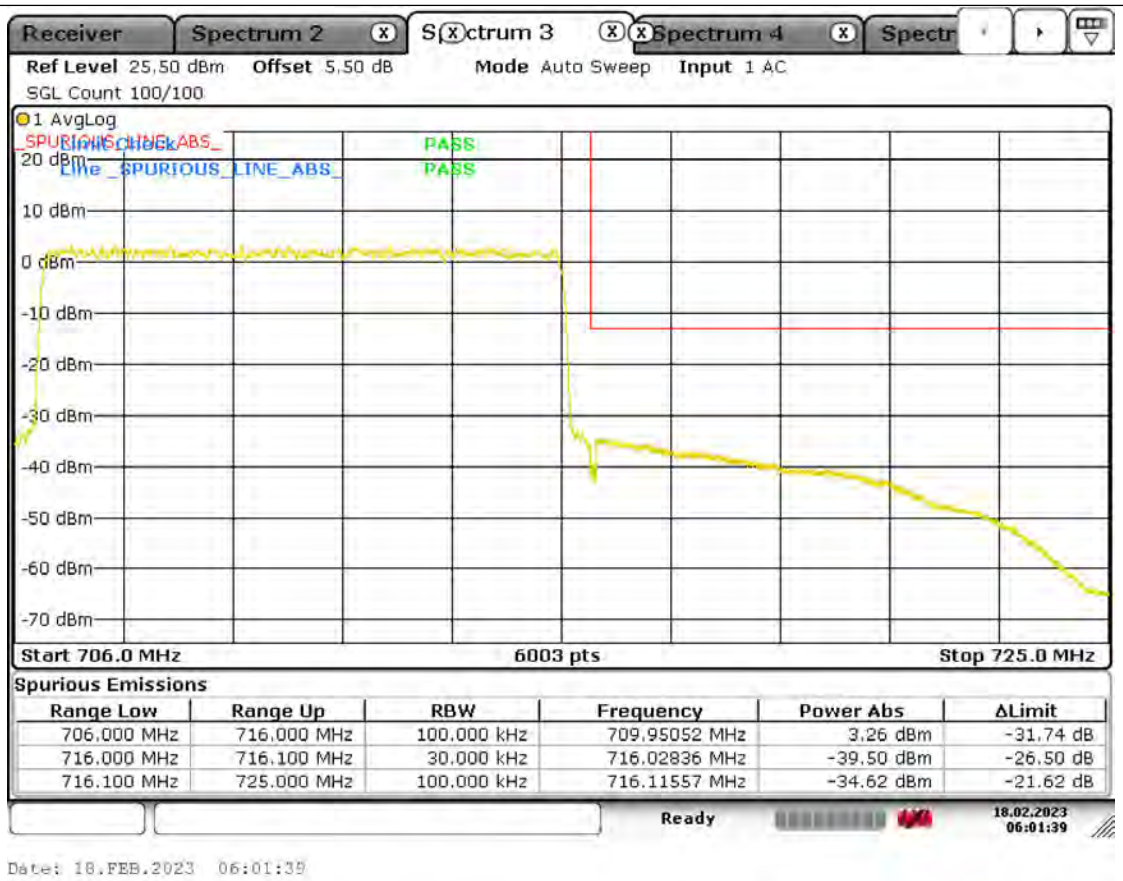
Band12-10MHz-QPSK-23130-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40780 MHz	20.44 dBm	-14.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00807 MHz	-37.08 dBm	-24.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-38.82 dBm	-25.82 dB

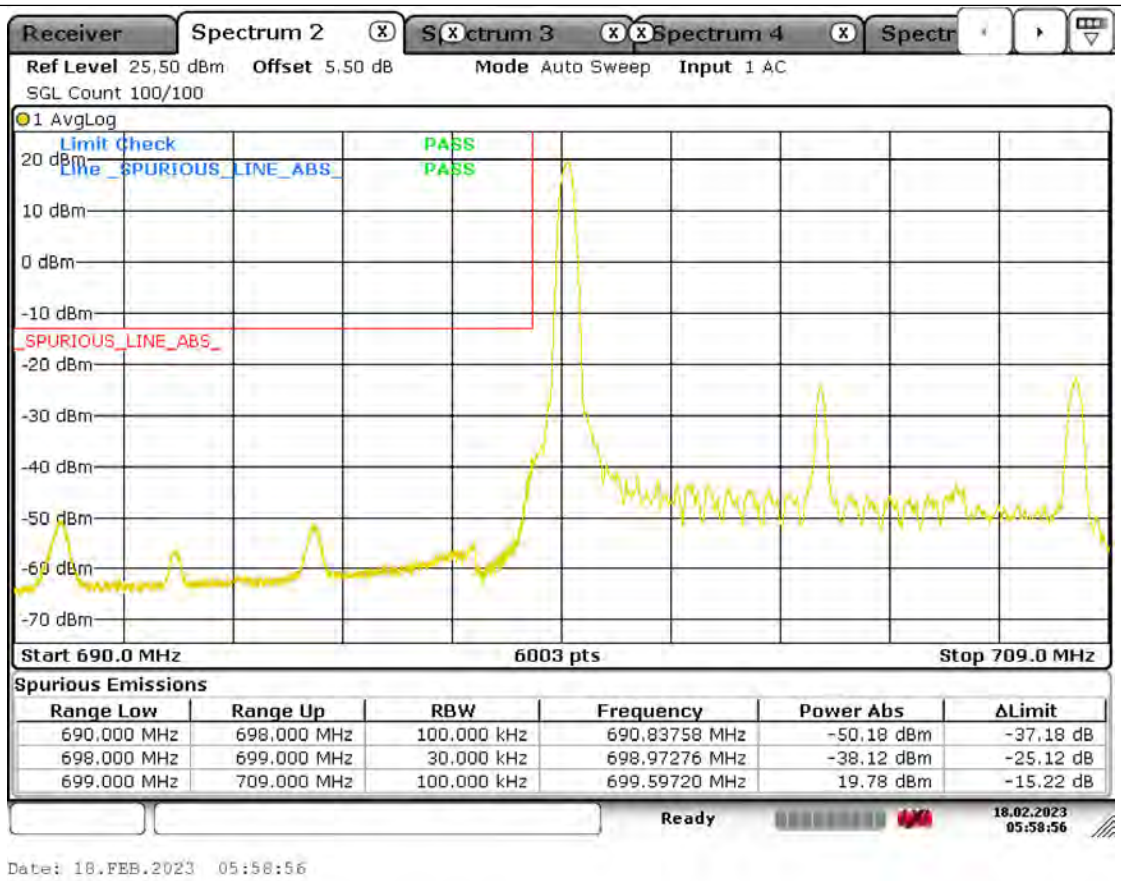
Band12-10MHz-QPSK-23130-50RB#0



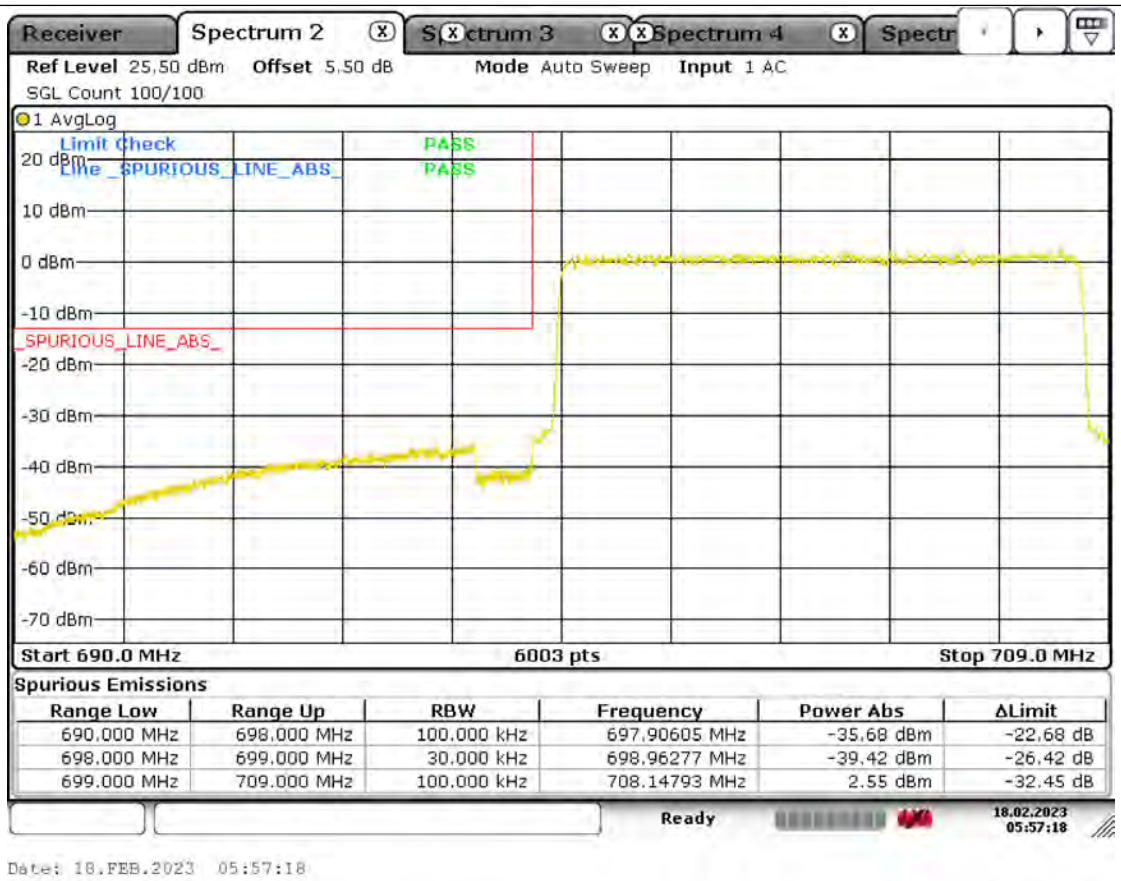
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.95052 MHz	3.26 dBm	-31.74 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02836 MHz	-39.50 dBm	-26.50 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11557 MHz	-34.62 dBm	-21.62 dB

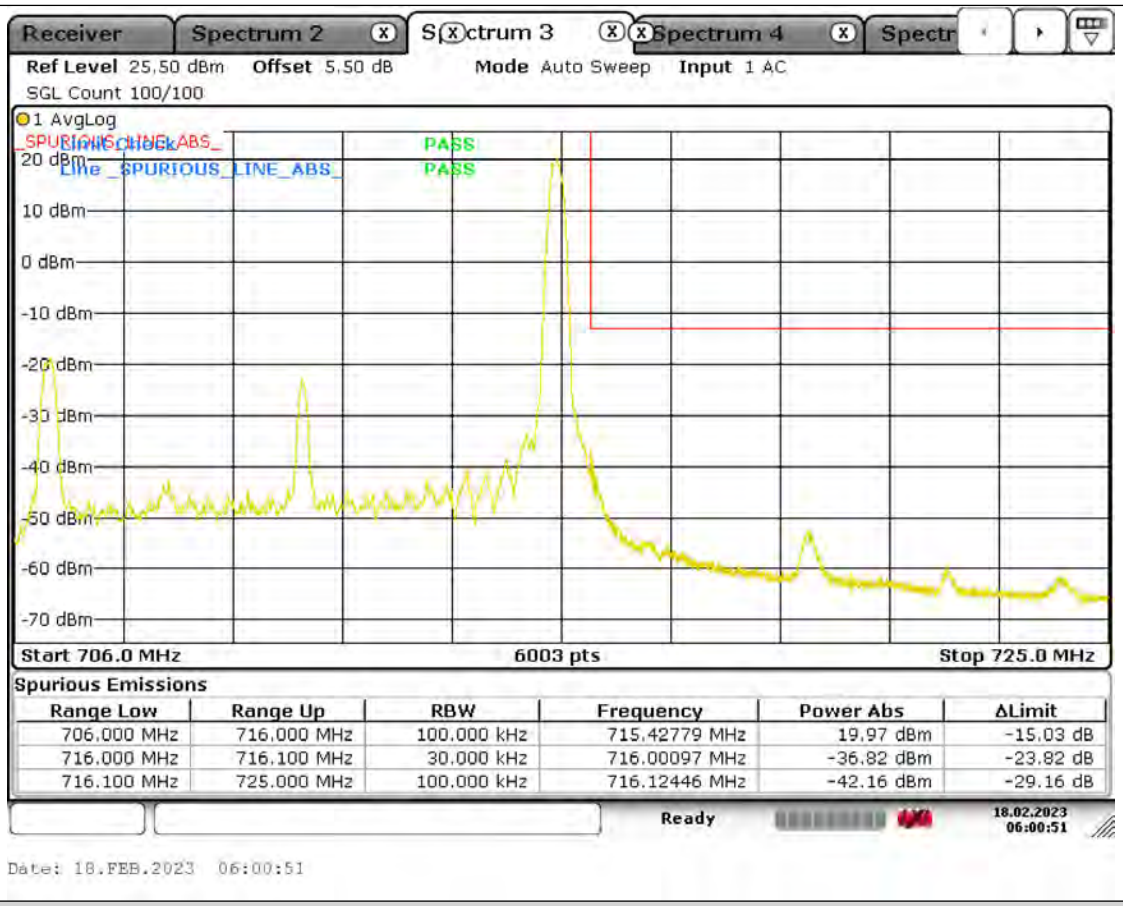
Band12-10MHz-16QAM-23060-1RB#0



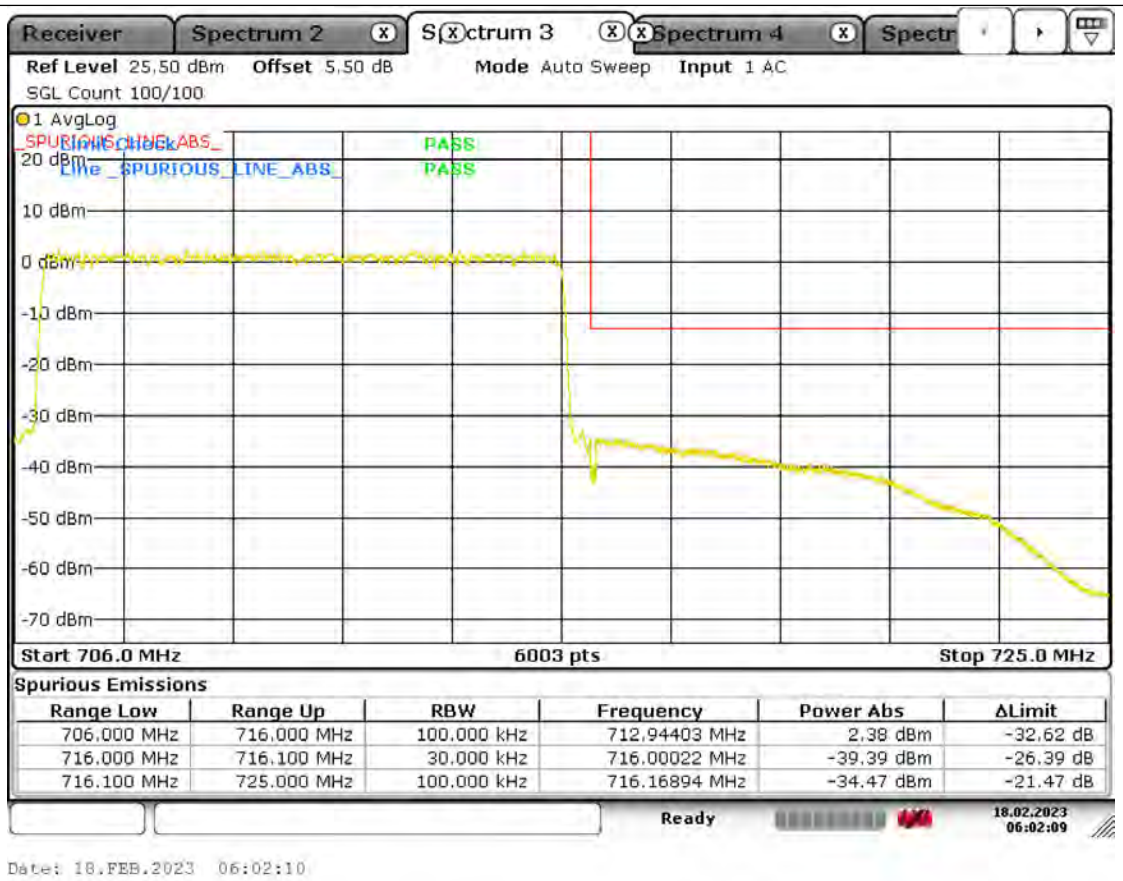
Band12-10MHz-16QAM-23060-50RB#0



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



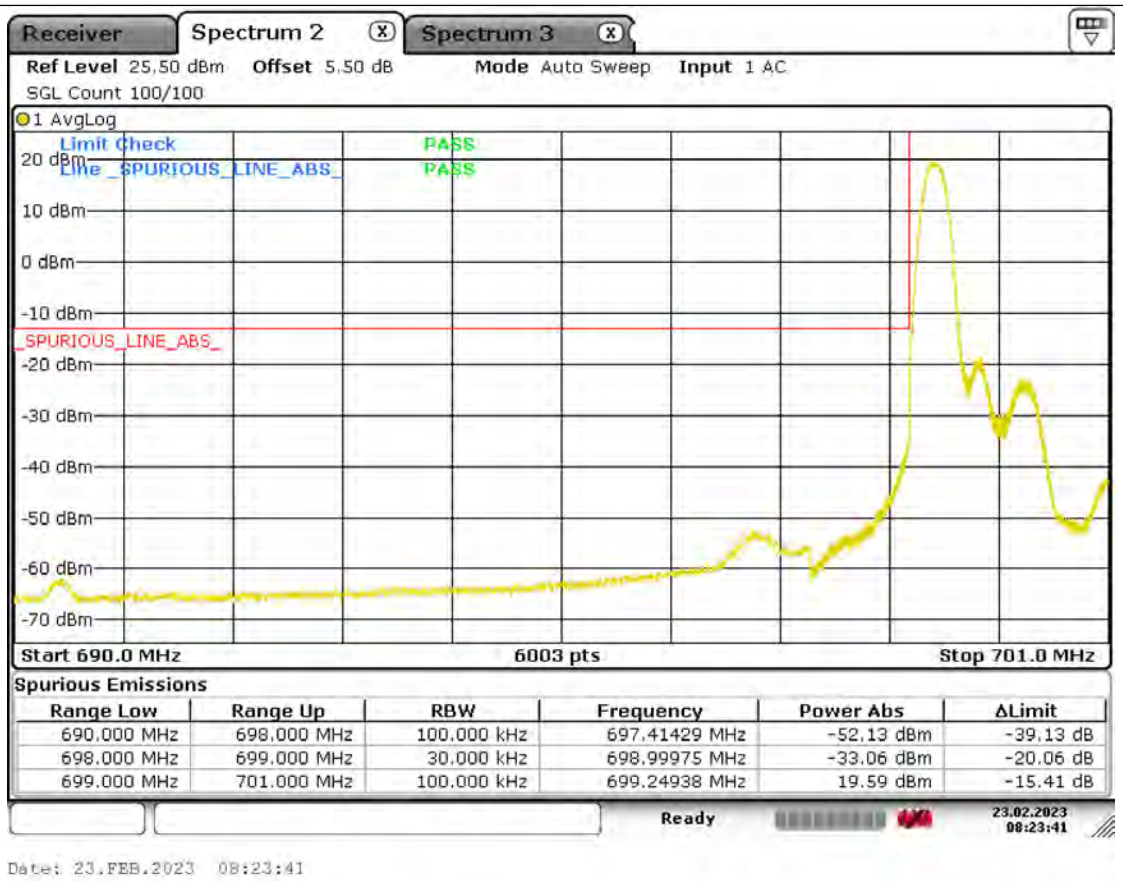
Band12-10MHz-16QAM-23130-50RB#0



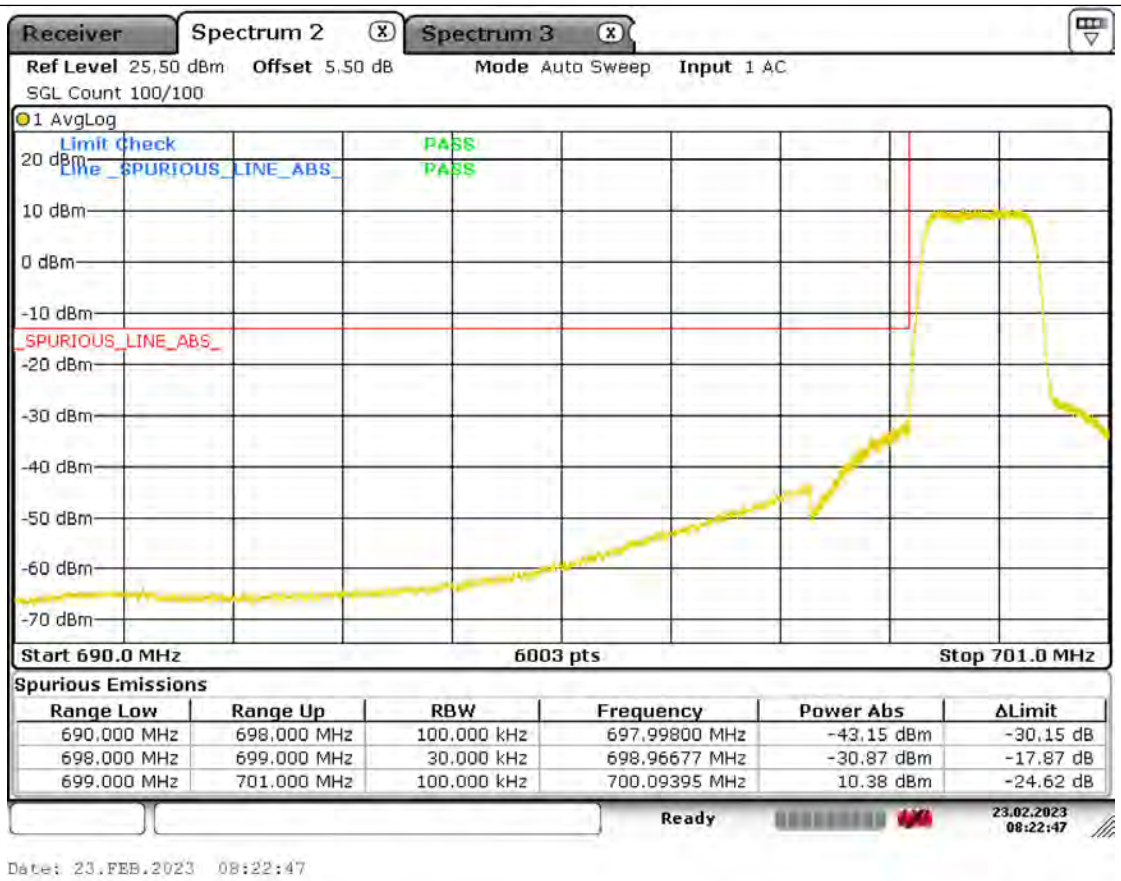
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	712.94403 MHz	2.38 dBm	-32.62 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00022 MHz	-39.39 dBm	-26.39 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.16894 MHz	-34.47 dBm	-21.47 dB

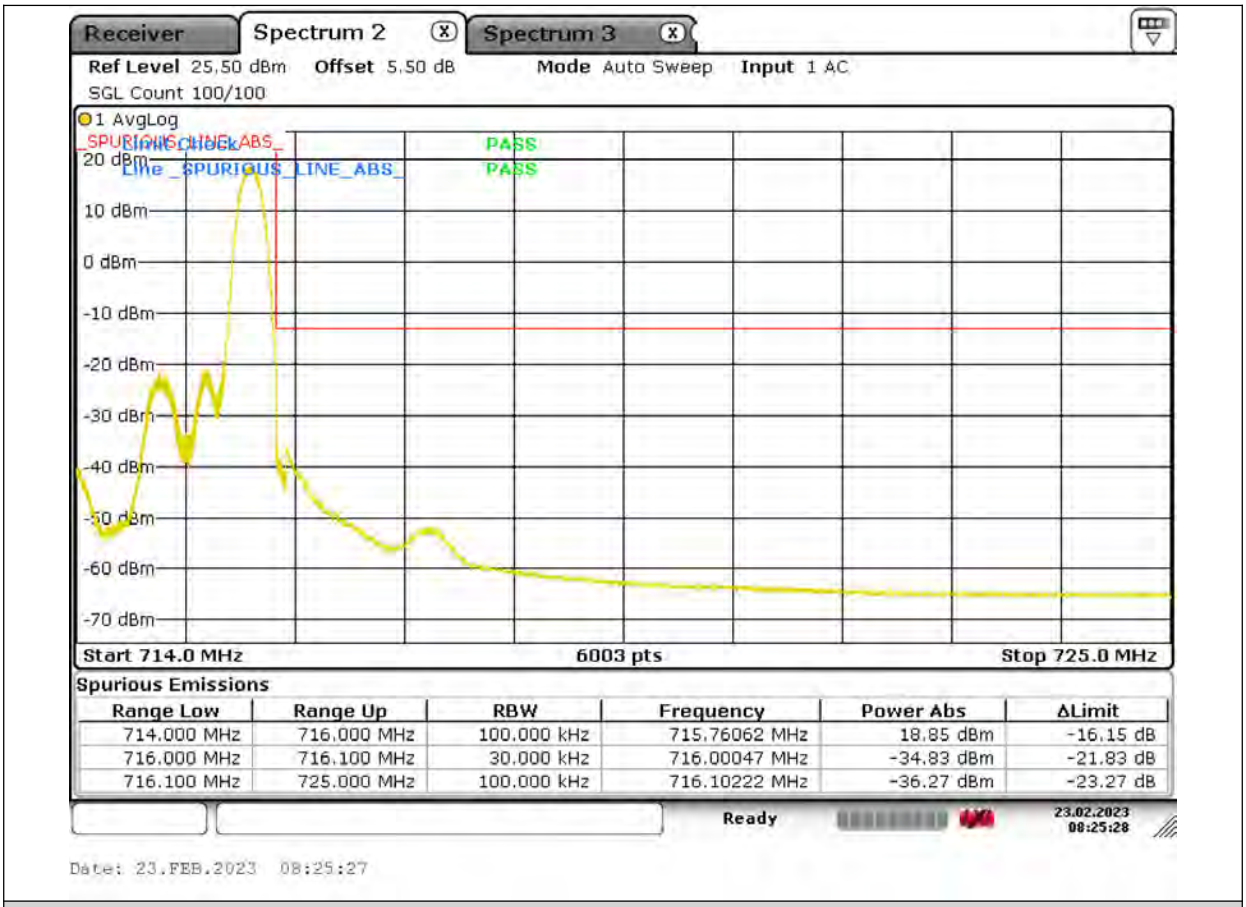
Band12-1.4MHz-64QAM-23017-1RB#0



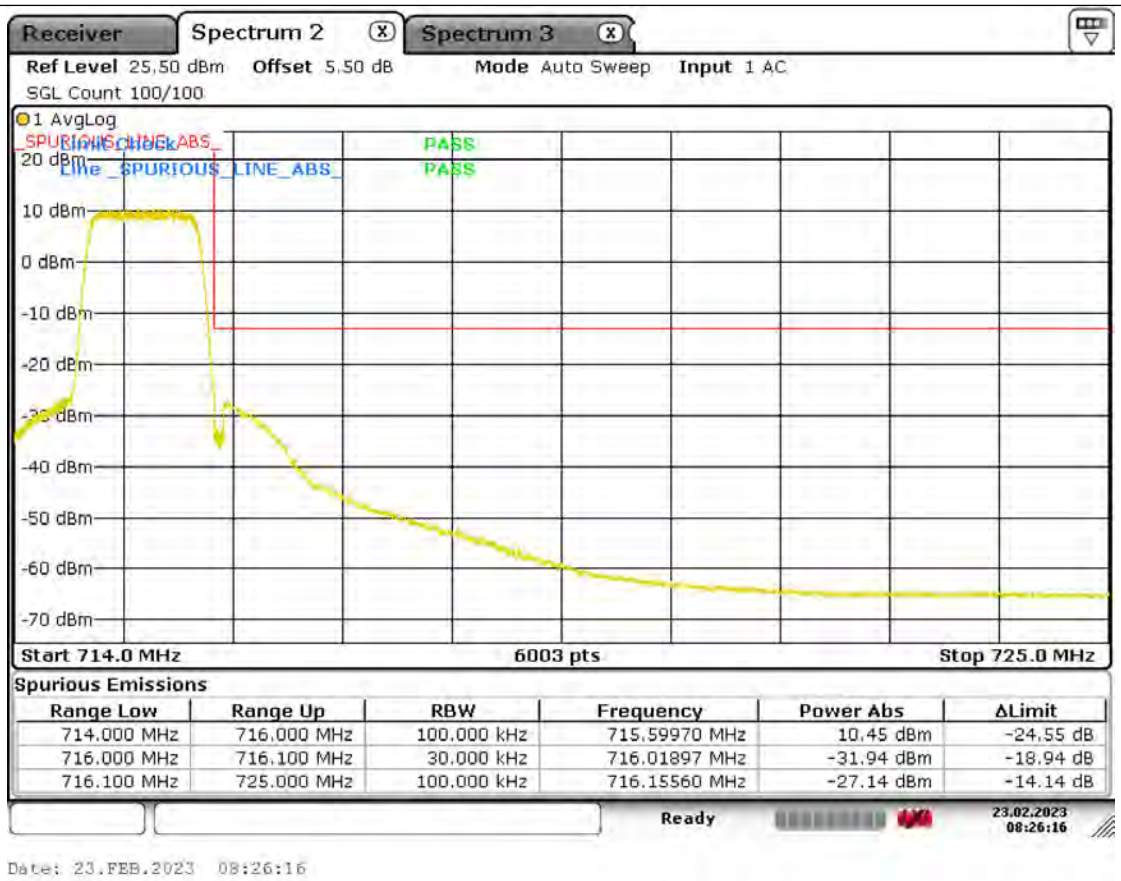
Band12-1.4MHz-64QAM-23017-6RB#0



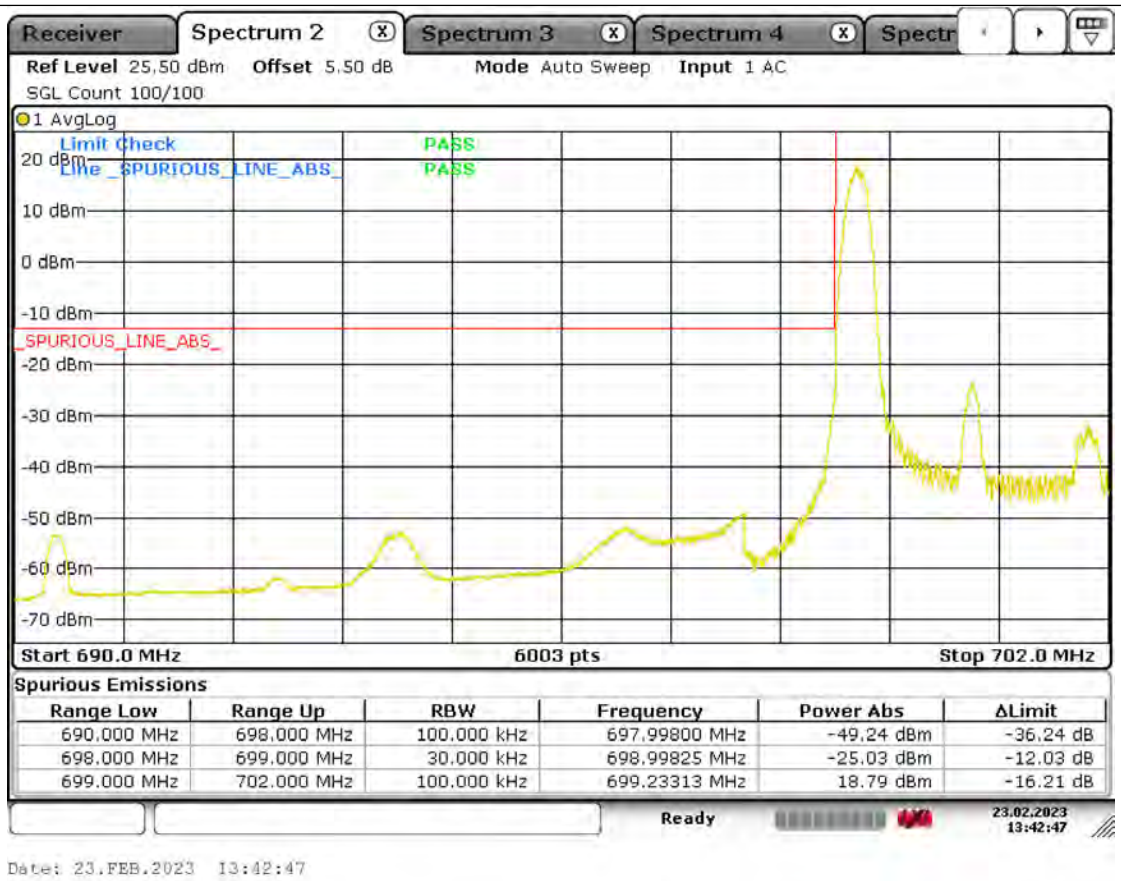
Band12-1.4MHz-64QAM-23173-1RB#5



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



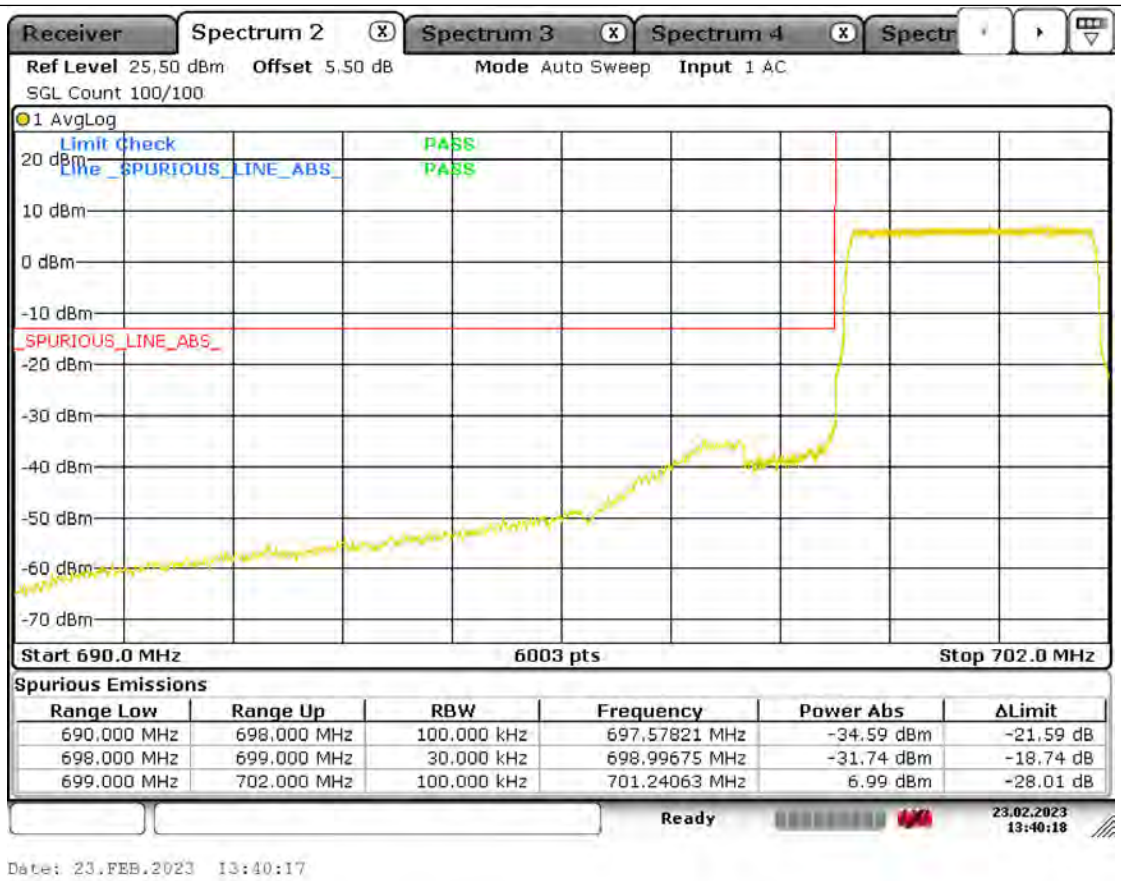
Band12-3MHz-64QAM-23025-1RB#0



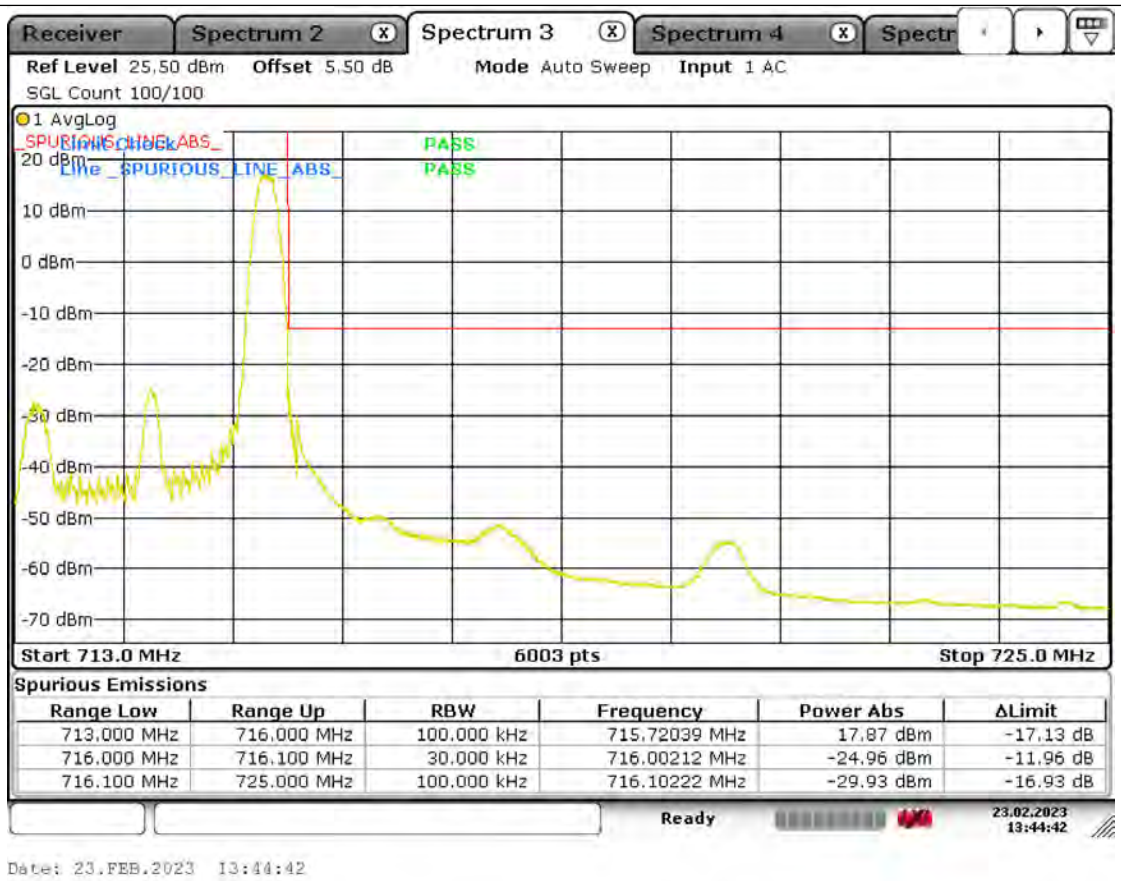
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.000 MHz	100.000 kHz	697.99800 MHz	-49.24 dBm	-36.24 dB
698.000 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-25.03 dBm	-12.03 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23313 MHz	18.79 dBm	-16.21 dB

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



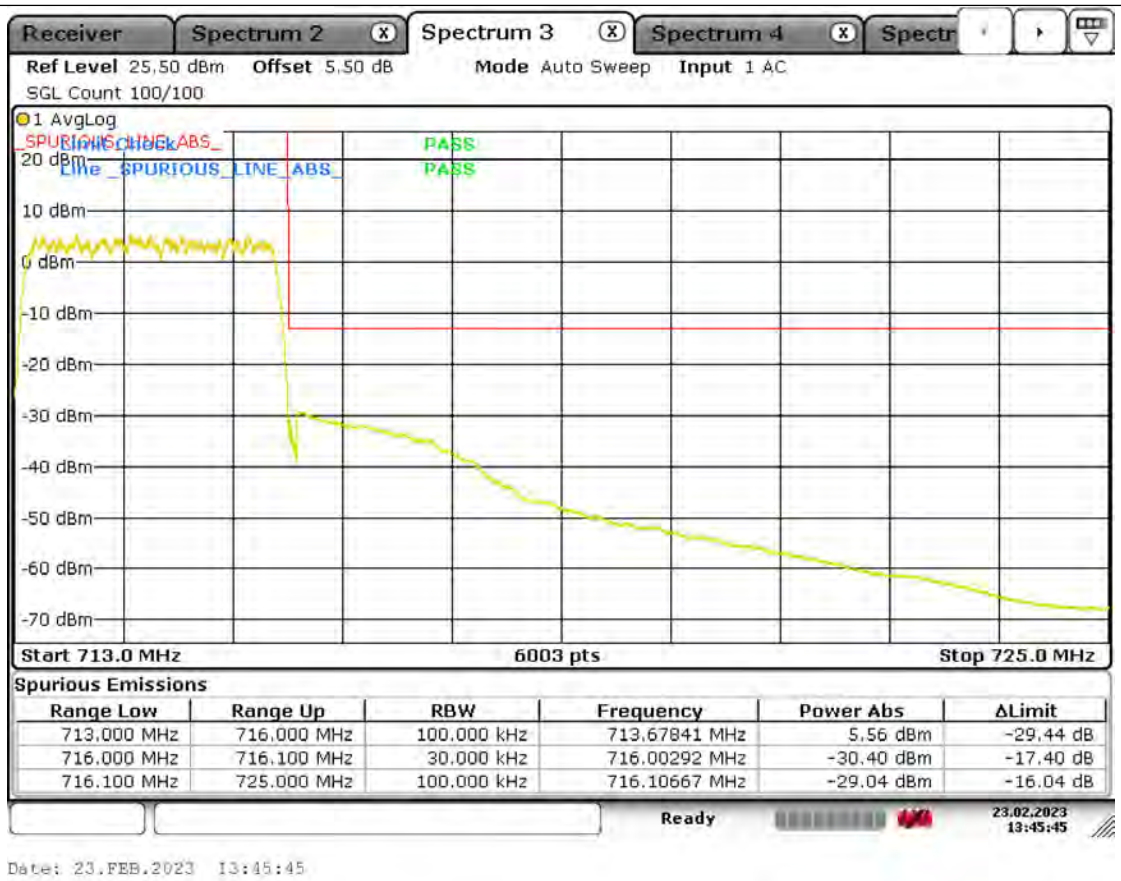
Band12-3MHz-64QAM-23165-1RB#14



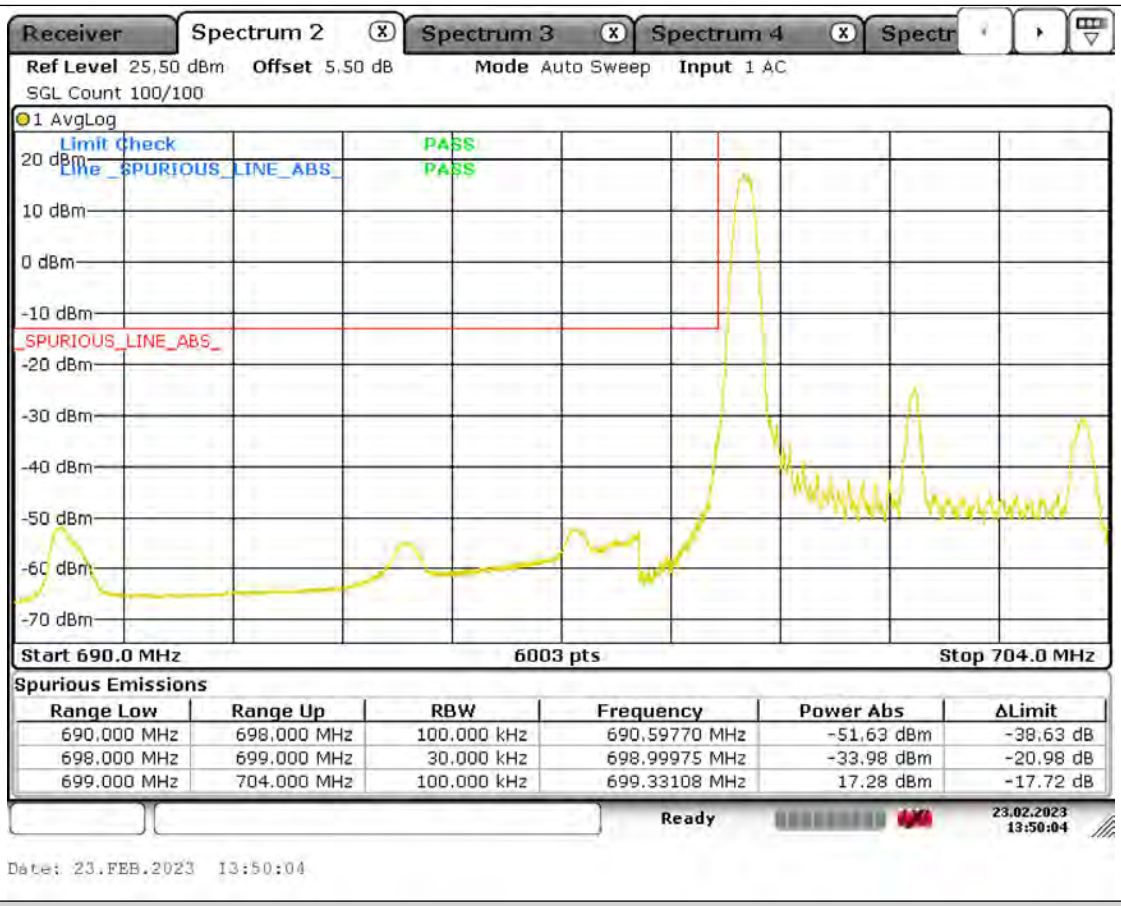
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.72039 MHz	17.87 dBm	-17.13 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00212 MHz	-24.96 dBm	-11.96 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-29.93 dBm	-16.93 dB

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

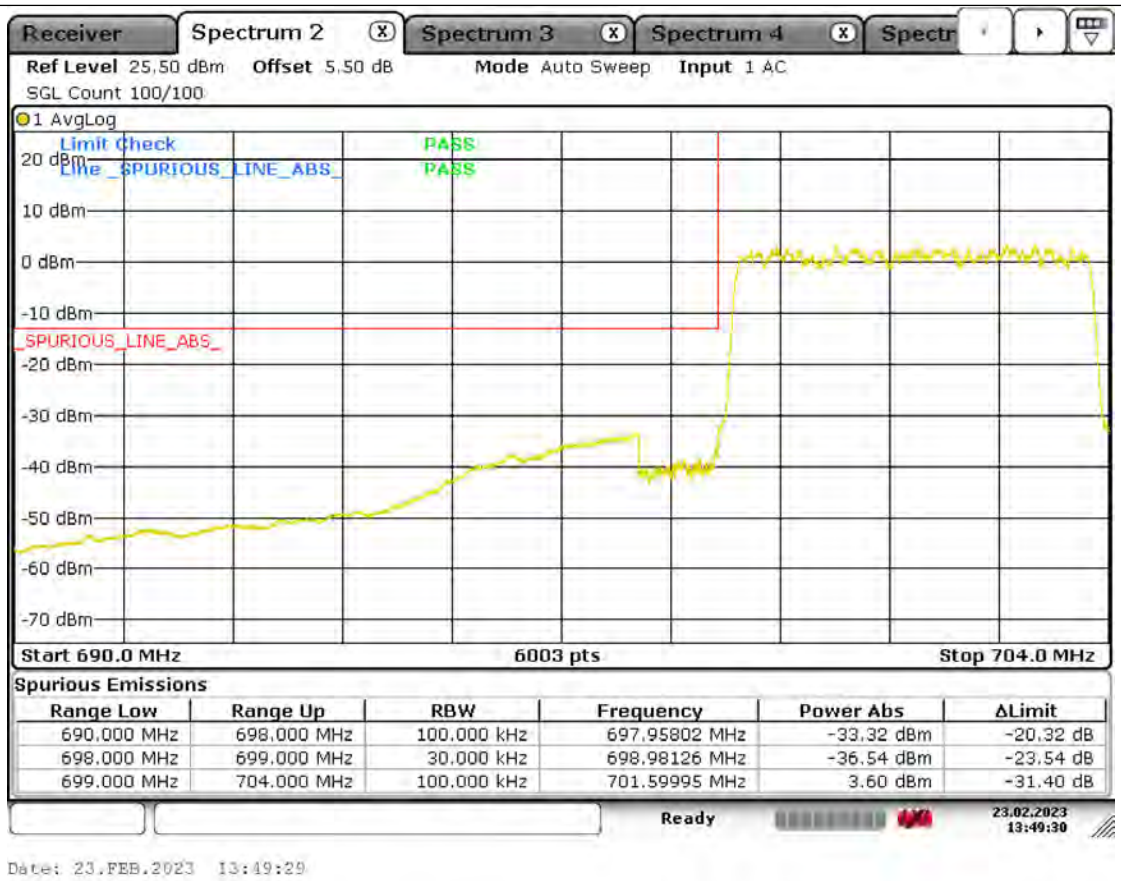


Band12-5MHz-64QAM-23035-1RB#0

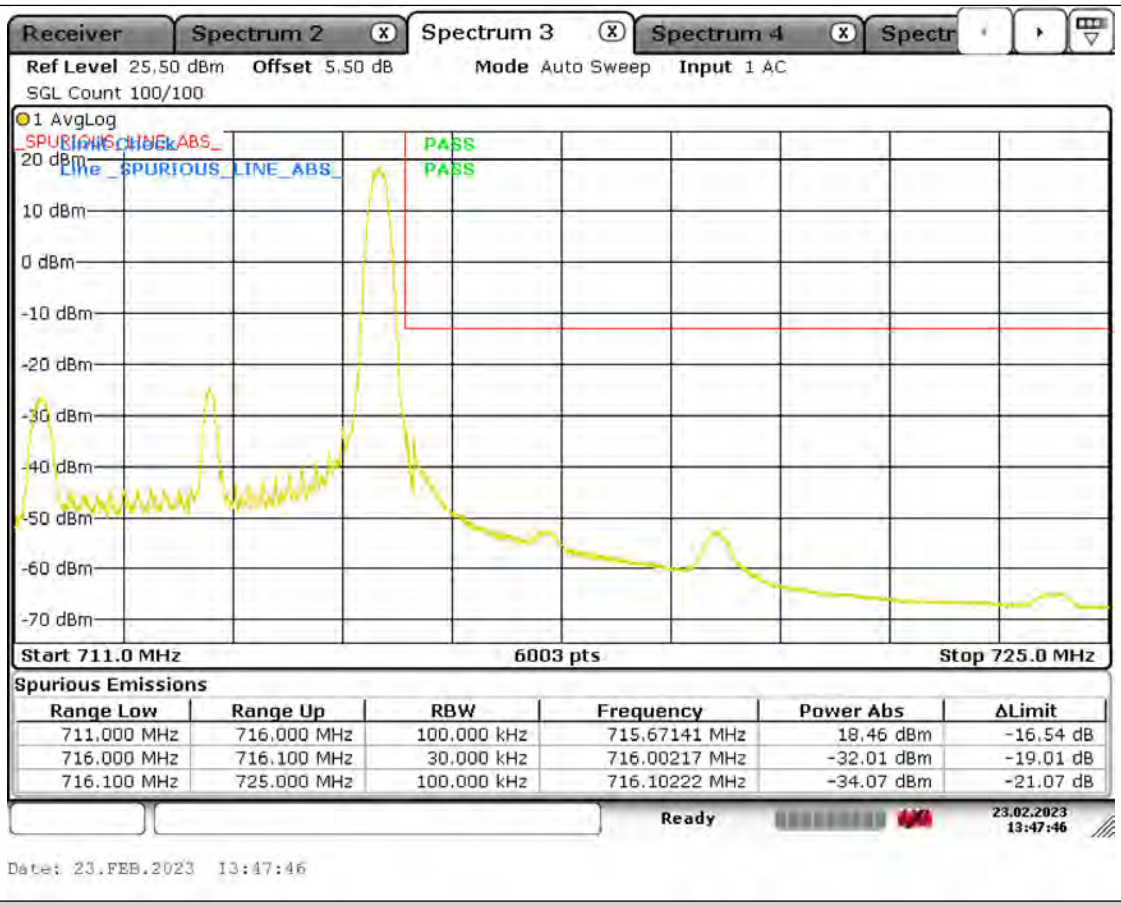


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.000 MHz	100.000 kHz	690.59770 MHz	-51.63 dBm	-38.63 dB
698.000 MHz	699.000 MHz	30.000 kHz	698.99975 MHz	-33.98 dBm	-20.98 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33108 MHz	17.28 dBm	-17.72 dB

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



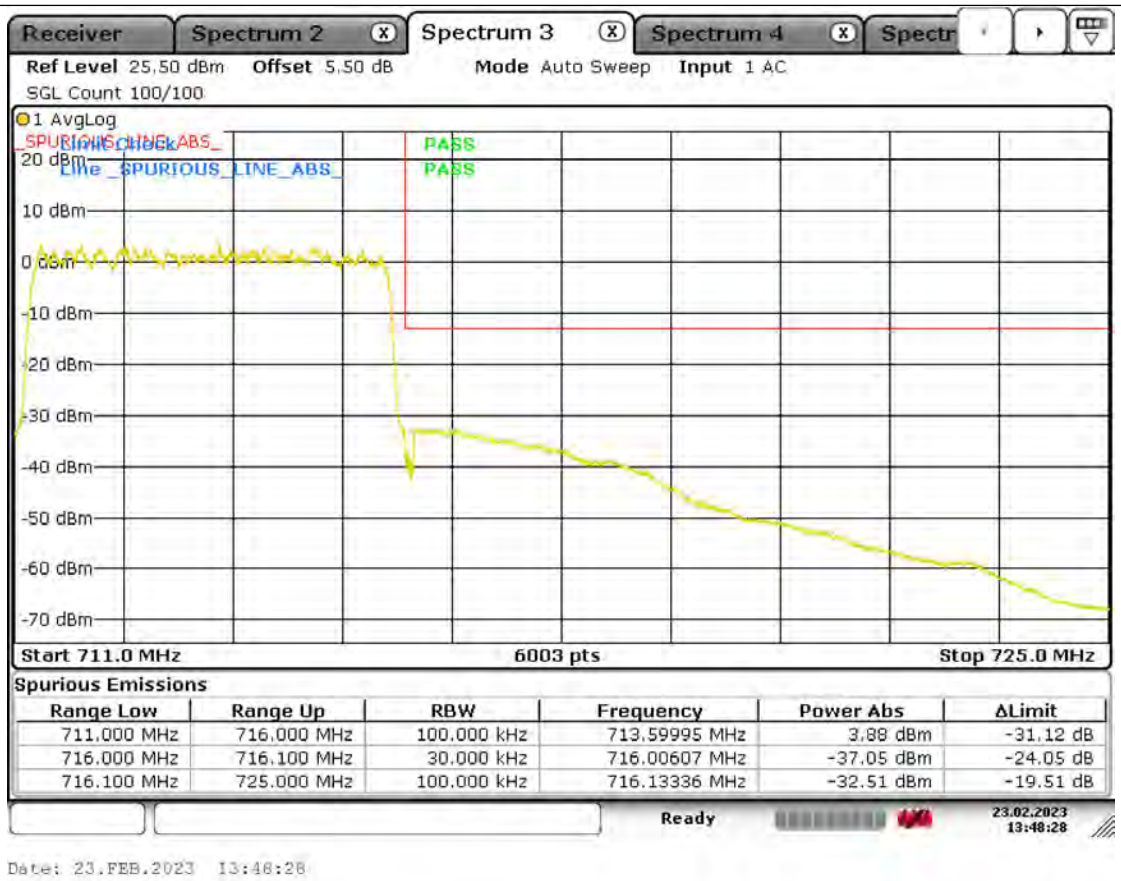
Band12-5MHz-64QAM-23155-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67141 MHz	18.46 dBm	-16.54 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00217 MHz	-32.01 dBm	-19.01 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-34.07 dBm	-21.07 dB

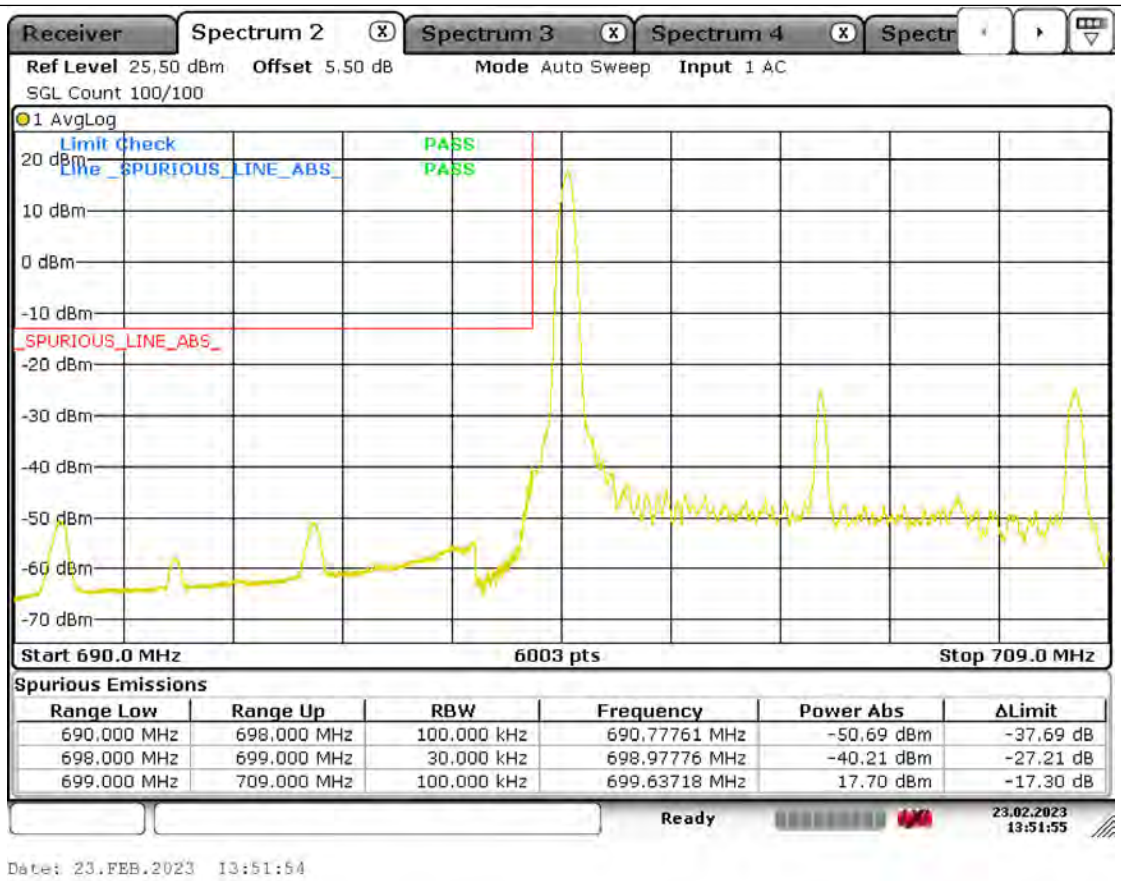
Band12-5MHz-64QAM-23155-25RB#0



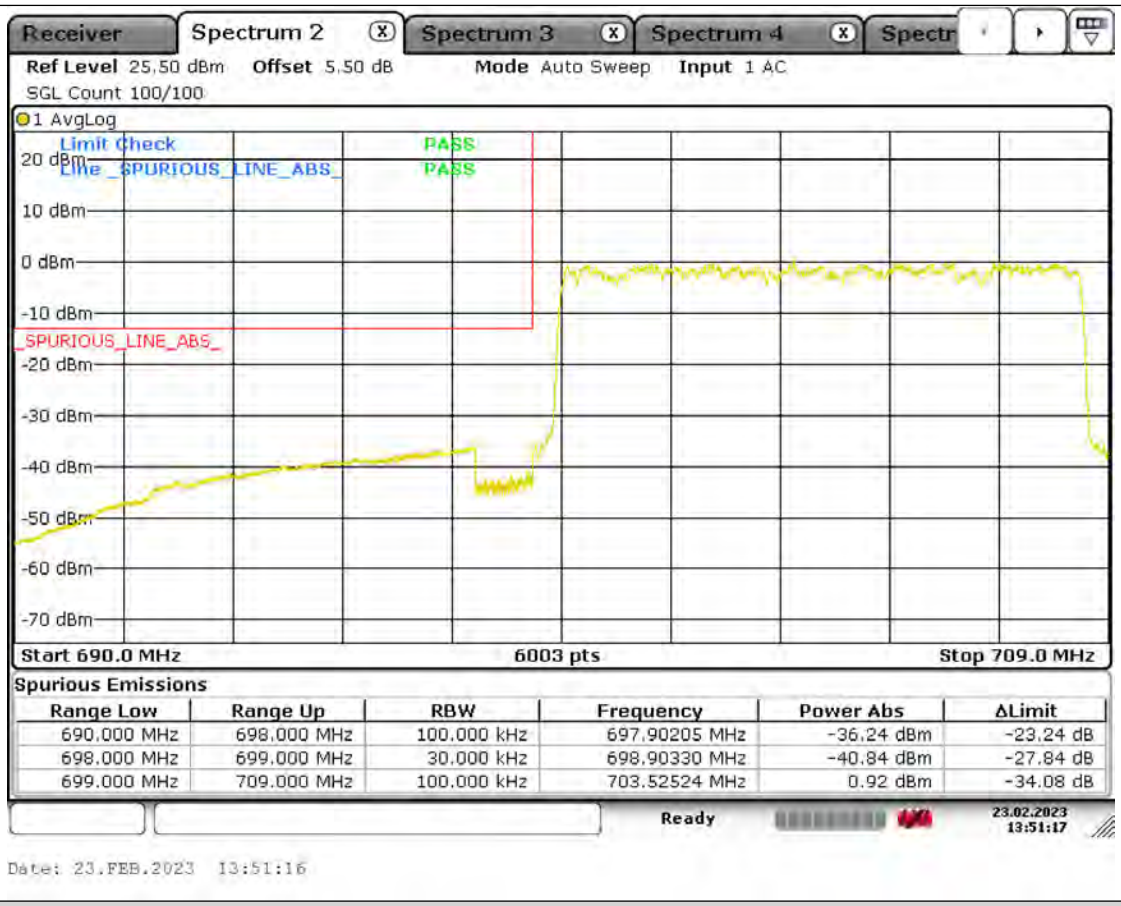
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.59995 MHz	3.88 dBm	-31.12 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00607 MHz	-37.05 dBm	-24.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13336 MHz	-32.51 dBm	-19.51 dB

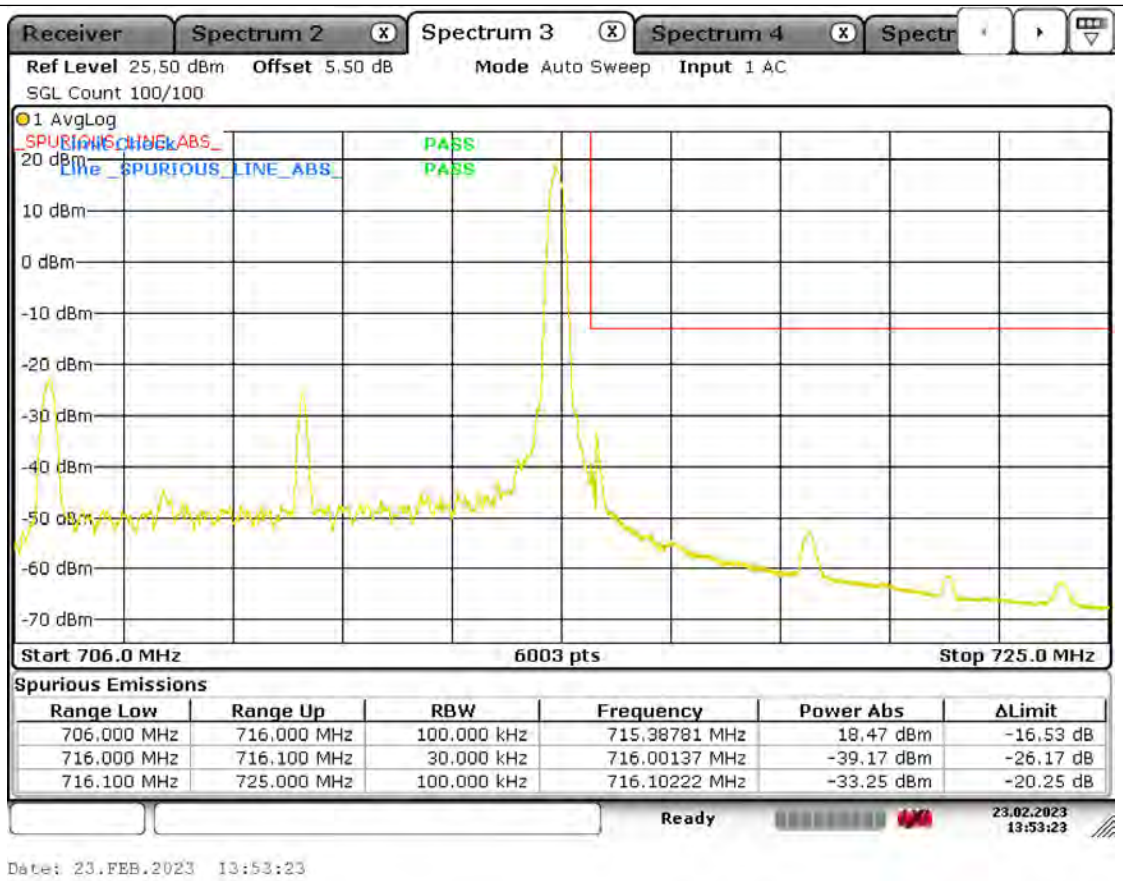
Band12-10MHz-64QAM-23060-1RB#0



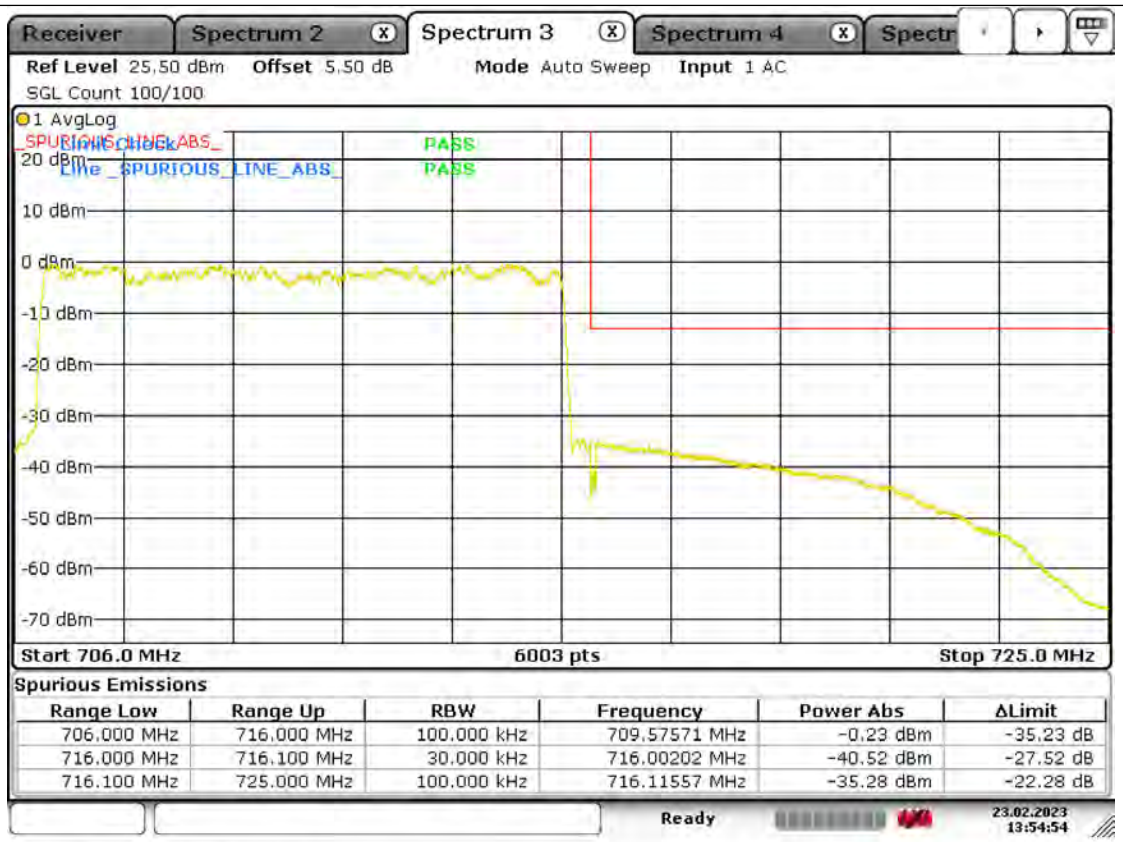
Band12-10MHz-64QAM-23060-50RB#0



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



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


Receiver
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 25.50 dBm Offset 5.50 dB Mode Auto Sweep Input 1 AC
SGL Count 100/100
1 AvgLog
Line Check
Line _SPURIOUS_LINE_ABS_
PASS
PASS
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
Start 706.0 MHz
6003 pts
Stop 725.0 MHz
Spurious Emissions
Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit
706.000 MHz | 716.000 MHz | 100.000 kHz | 709.57571 MHz | -0.23 dBm | -35.23 dB
716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00202 MHz | -40.52 dBm | -27.52 dB
716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11557 MHz | -35.28 dBm | -22.28 dB
Ready
23.02.2023
13:54:54
Date: 23.FEB.2023 13:54:54

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	-63.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~9000MHz	-44.87	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.63	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-44.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-63.66	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~9000MHz	-46.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-63.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~9000MHz	-46.58	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.6	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-46.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-63.6	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~9000MHz	-47.09	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-62.81	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~9000MHz	-45.3	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.5	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-46.59	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-63.58	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~9000MHz	-45.73	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-62.9	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~9000MHz	-46.51	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.06	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~9000MHz	-45.58	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-63.58	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~9000MHz	-44.7	PASS

						6	
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.47	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-47.04	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-63.6	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~9000MHz	-43.51	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-63.54	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~9000MHz	-46.88	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.22	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-63.3	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~9000MHz	-44.19	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-62.89	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~9000MHz	-46.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-63.65	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~9000MHz	-47.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-57.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~9000MHz	-44.57	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-63.53	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~9000MHz	-46.73	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-63.66	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~9000MHz	-47.24	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-58.92	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~9000MHz	-46.86	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-64.07	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~9000MHz	-47.05	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.73	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.05	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-63.79	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~9000MHz	-47.25	PASS

Band12	3MHz	64QAM	23025	1RB#0	Range1:30~1000MHz	-63.83	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range2:1000~9000MHz	-47.23	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.82	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.43	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range1:30~1000MHz	-63.82	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range2:1000~9000MHz	-47.25	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range1:30~1000MHz	-63.83	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range2:1000~9000MHz	-47.41	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.86	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.34	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range1:30~1000MHz	-64.00	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range2:1000~9000MHz	-46.18	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-63.89	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~9000MHz	-47.15	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-63.61	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~9000MHz	-47.11	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-61.20	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~9000MHz	-47.31	PASS

Test Graphs

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

Spurious Emissions

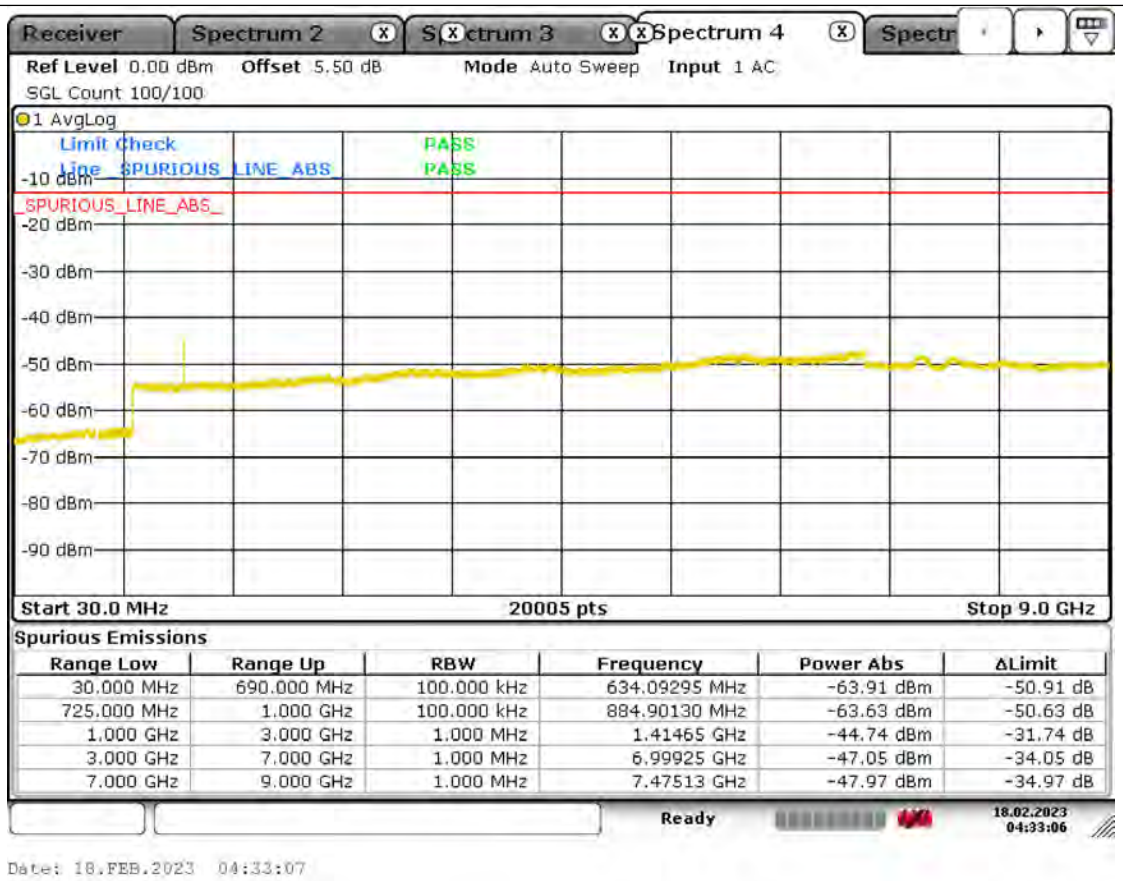
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.82609 MHz	-63.67 dBm	-50.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.17366 MHz	-63.34 dBm	-50.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.87 dBm	-31.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97175 GHz	-47.13 dBm	-34.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.03 dBm	-35.03 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	627.82609 MHz	-63.67 dBm	-50.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.17366 MHz	-63.34 dBm	-50.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.87 dBm	-31.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97175 GHz	-47.13 dBm	-34.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.03 dBm	-35.03 dB

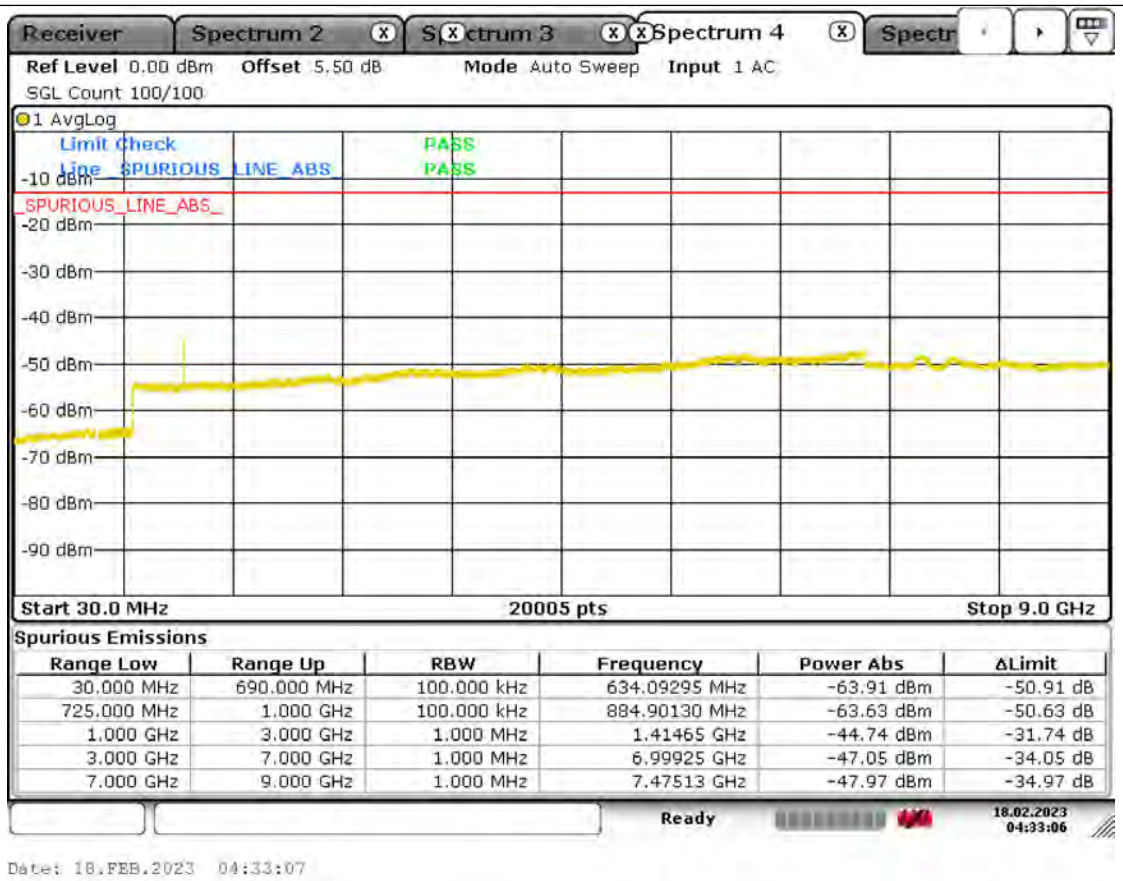
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.09295 MHz	-63.91 dBm	-50.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	884.90130 MHz	-63.63 dBm	-50.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-44.74 dBm	-31.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47513 GHz	-47.97 dBm	-34.97 dB

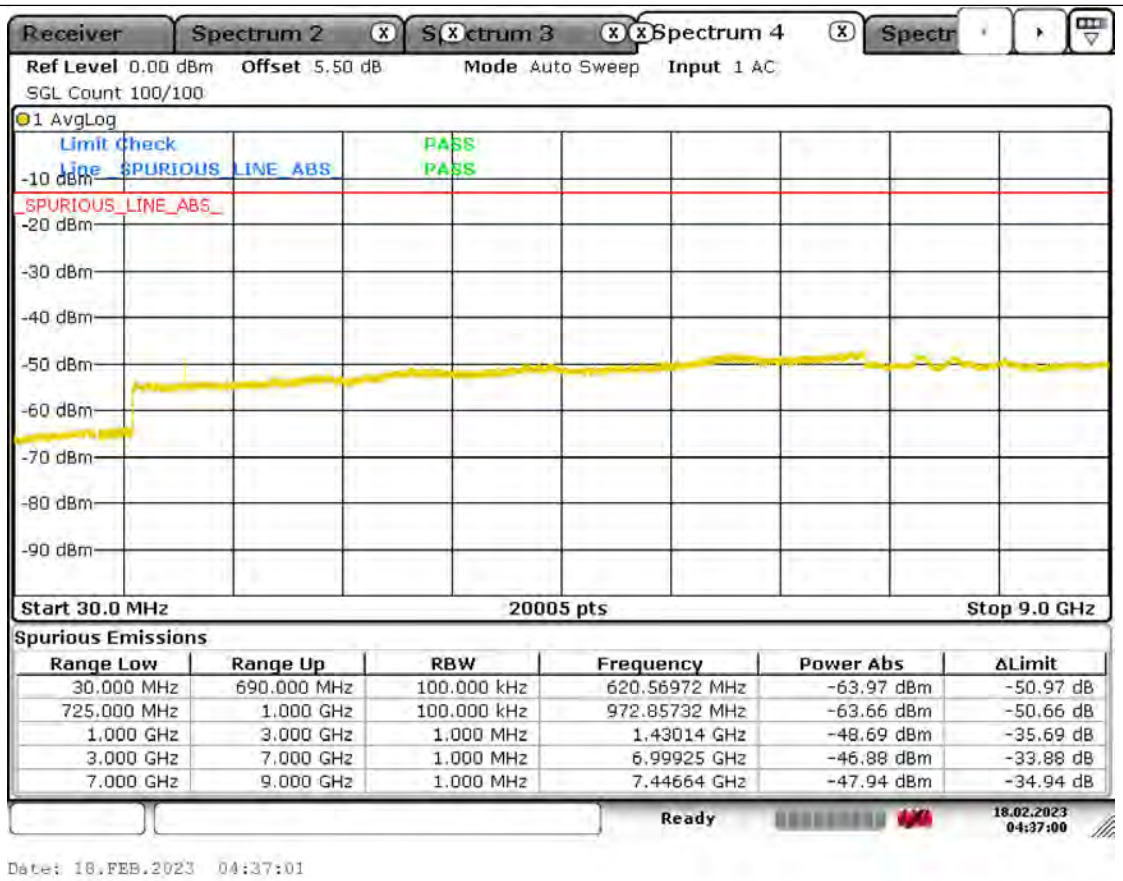
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.09295 MHz	-63.91 dBm	-50.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	884.90130 MHz	-63.63 dBm	-50.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-44.74 dBm	-31.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47513 GHz	-47.97 dBm	-34.97 dB

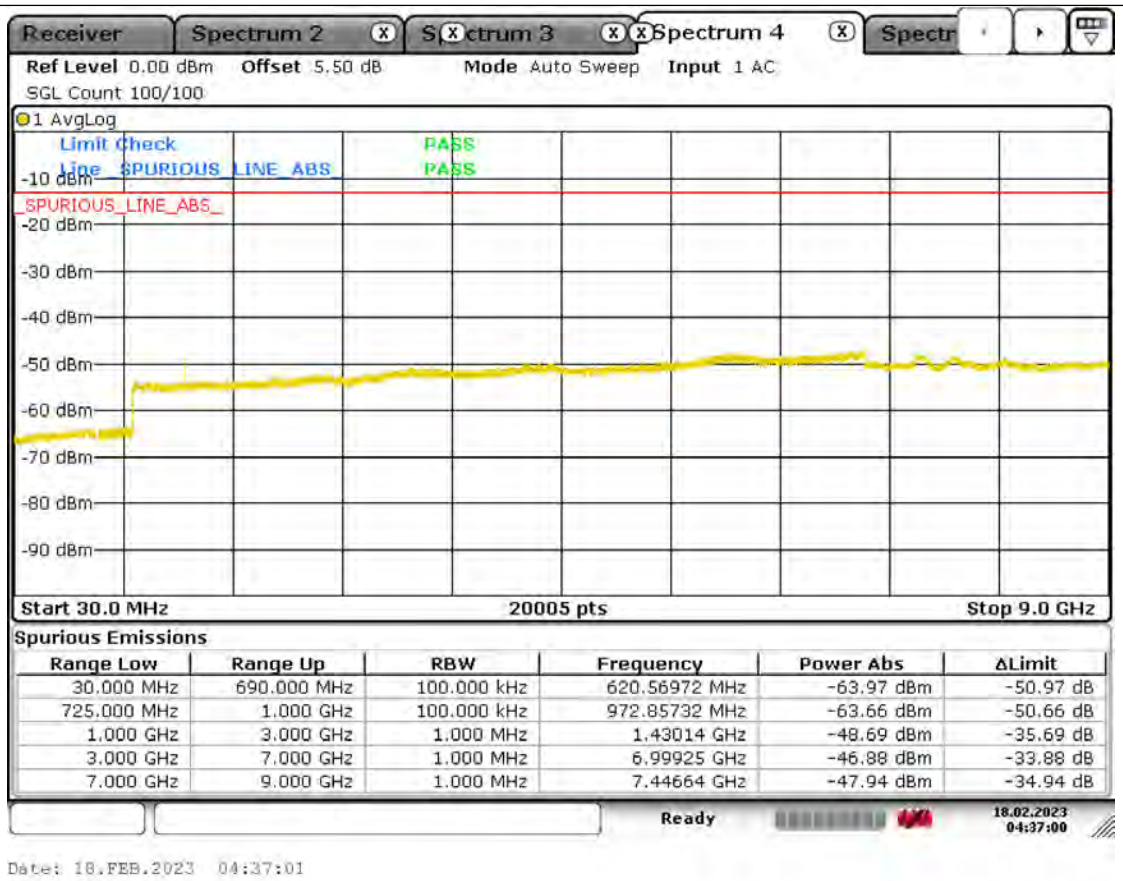
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.56972 MHz	-63.97 dBm	-50.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.85732 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-48.69 dBm	-35.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-46.88 dBm	-33.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44664 GHz	-47.94 dBm	-34.94 dB

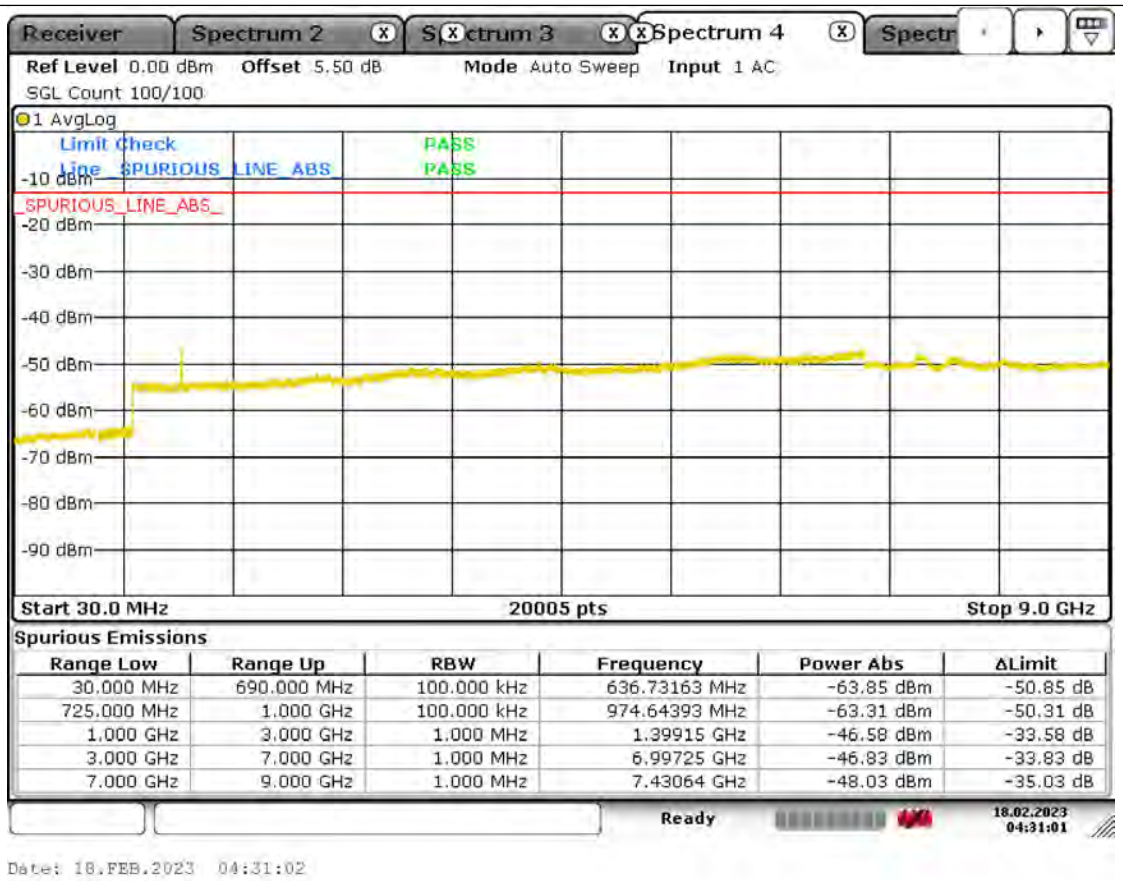
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.56972 MHz	-63.97 dBm	-50.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.85732 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-48.69 dBm	-35.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-46.88 dBm	-33.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44664 GHz	-47.94 dBm	-34.94 dB

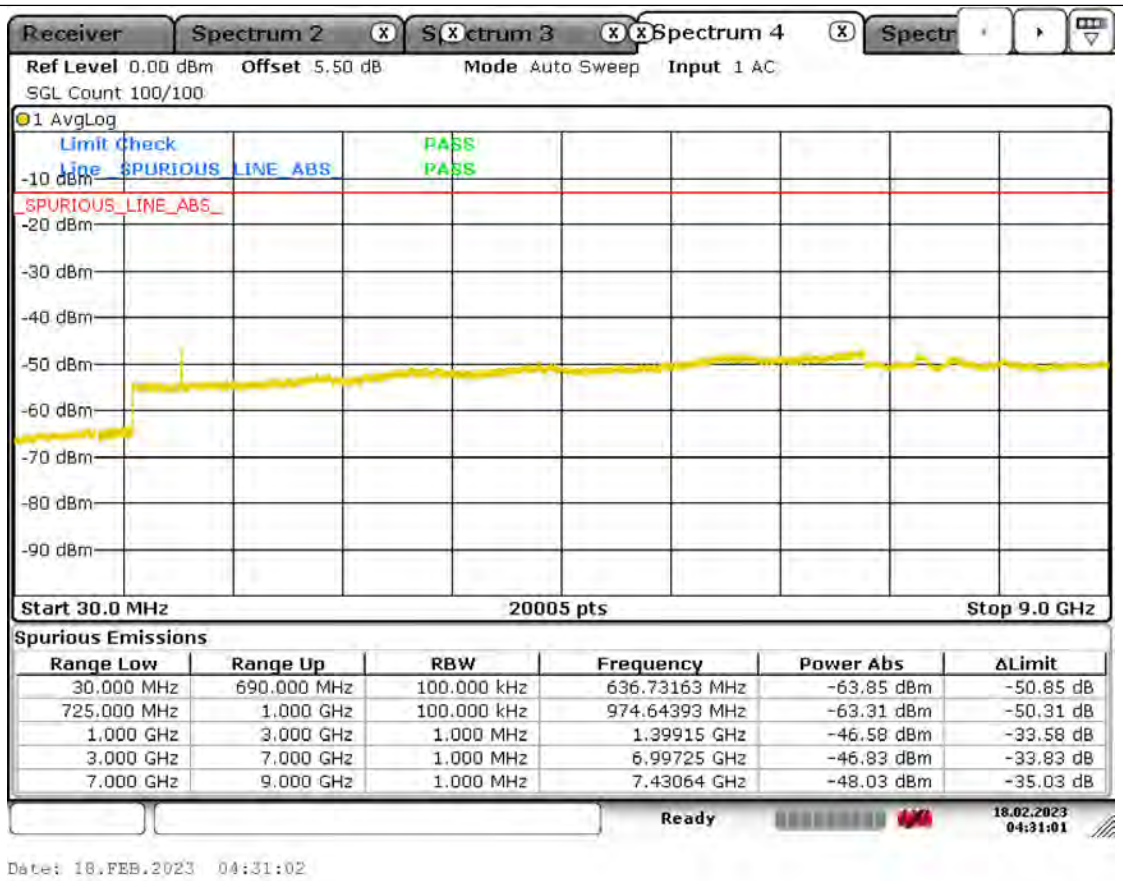
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	636.73163 MHz	-63.85 dBm	-50.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.64393 MHz	-63.31 dBm	-50.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-46.83 dBm	-33.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.03 dBm	-35.03 dB

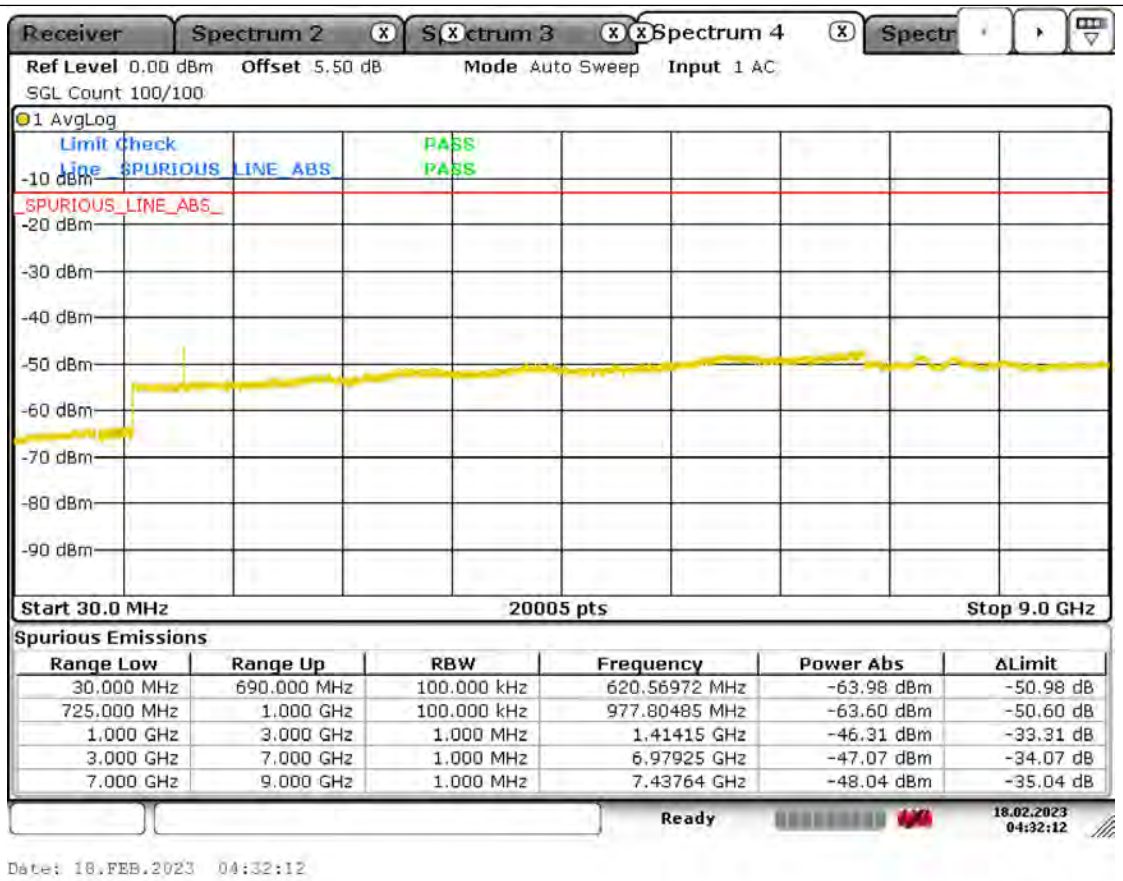
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	636.73163 MHz	-63.85 dBm	-50.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.64393 MHz	-63.31 dBm	-50.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-46.83 dBm	-33.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.03 dBm	-35.03 dB

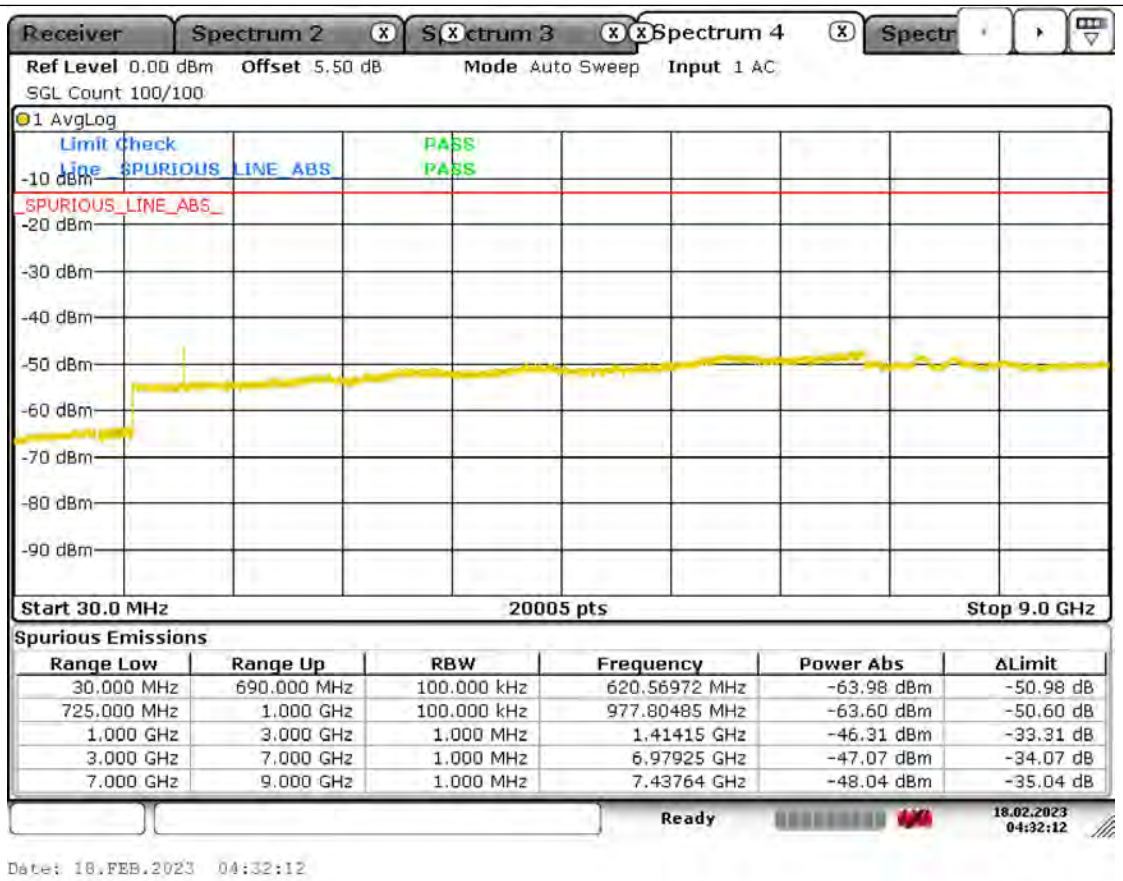
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.56972 MHz	-63.98 dBm	-50.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.80485 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-46.31 dBm	-33.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-47.07 dBm	-34.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-48.04 dBm	-35.04 dB

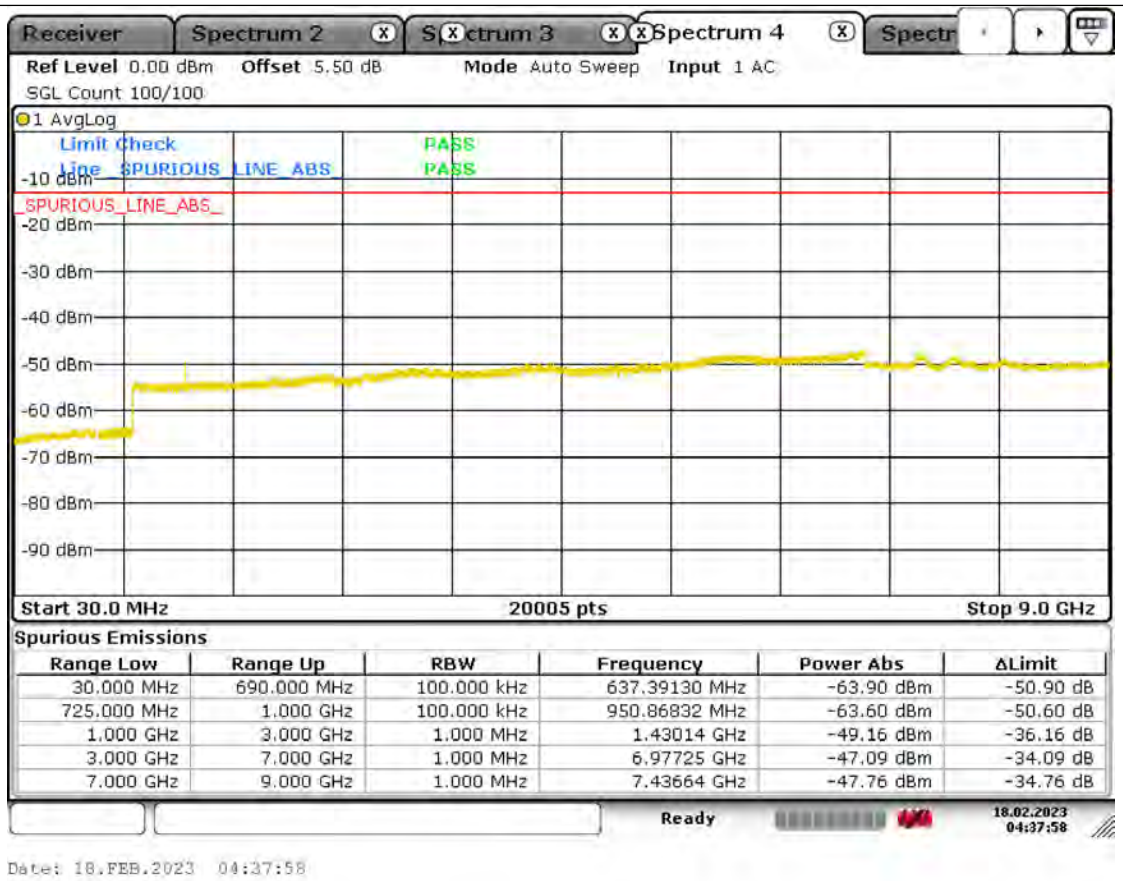
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.56972 MHz	-63.98 dBm	-50.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.80485 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-46.31 dBm	-33.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-47.07 dBm	-34.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-48.04 dBm	-35.04 dB

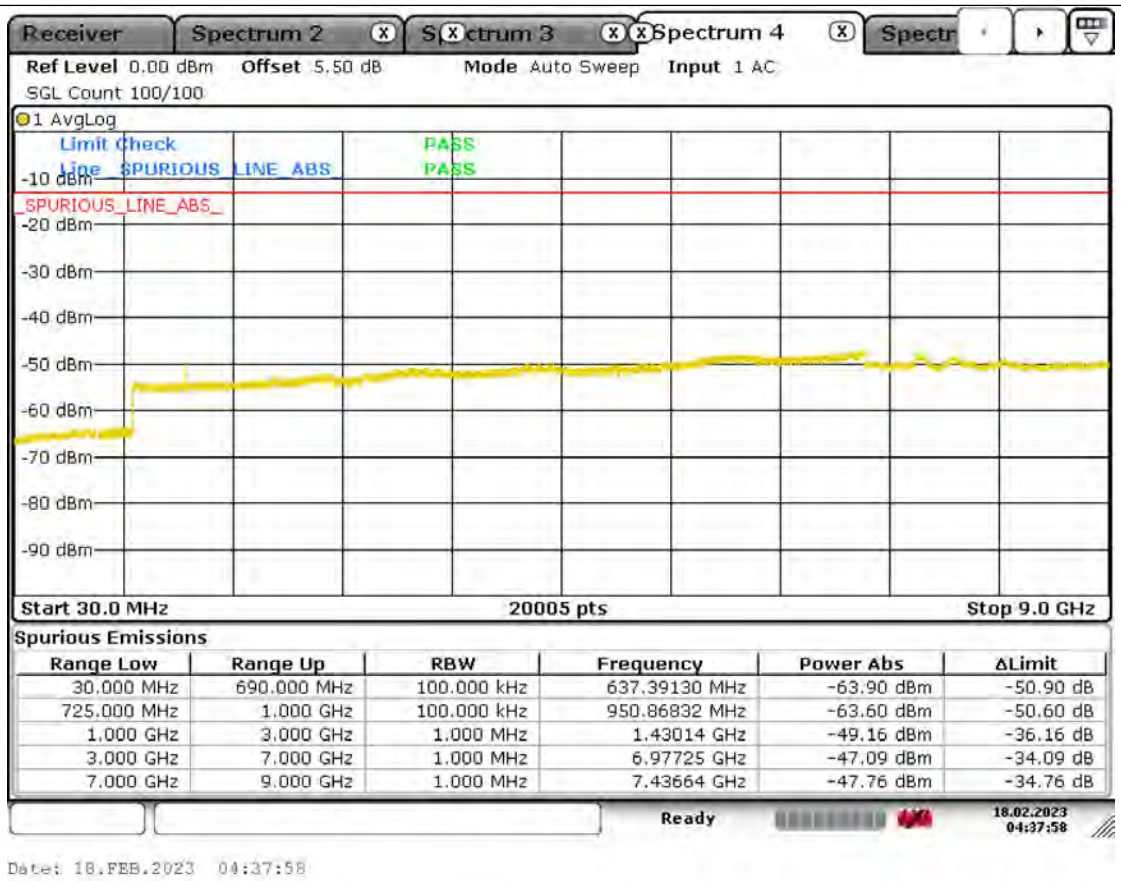
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	637.39130 MHz	-63.90 dBm	-50.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	950.86832 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.16 dBm	-36.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43664 GHz	-47.76 dBm	-34.76 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	637.39130 MHz	-63.90 dBm	-50.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	950.86832 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-49.16 dBm	-36.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43664 GHz	-47.76 dBm	-34.76 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	689.83508 MHz	-62.81 dBm	-49.81 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.41654 MHz	-63.67 dBm	-50.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-46.94 dBm	-33.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48763 GHz	-47.96 dBm	-34.96 dB

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

Spurious Emissions

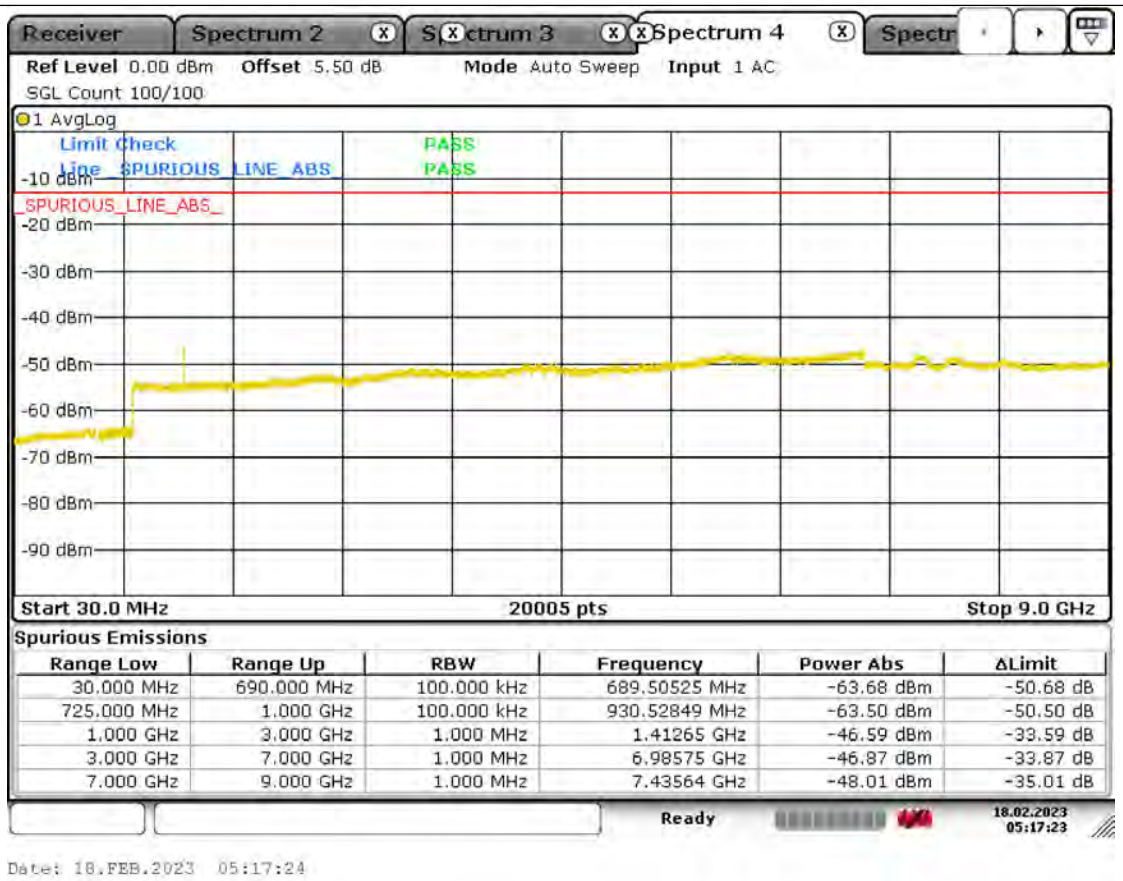
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-62.81 dBm	-49.81 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.41654 MHz	-63.67 dBm	-50.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-46.94 dBm	-33.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48763 GHz	-47.96 dBm	-34.96 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	689.50525 MHz	-63.68 dBm	-50.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.52849 MHz	-63.50 dBm	-50.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-46.87 dBm	-33.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43564 GHz	-48.01 dBm	-35.01 dB

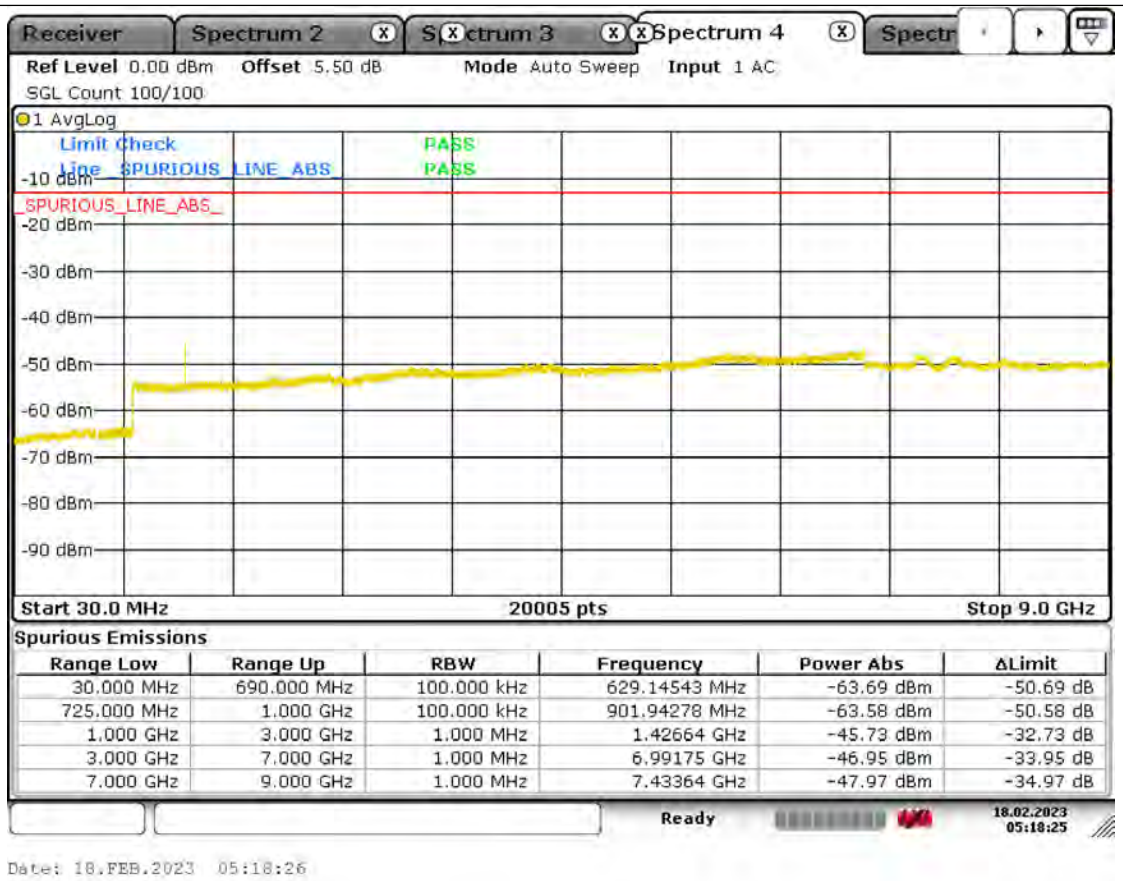
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-63.68 dBm	-50.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.52849 MHz	-63.50 dBm	-50.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-46.87 dBm	-33.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43564 GHz	-48.01 dBm	-35.01 dB

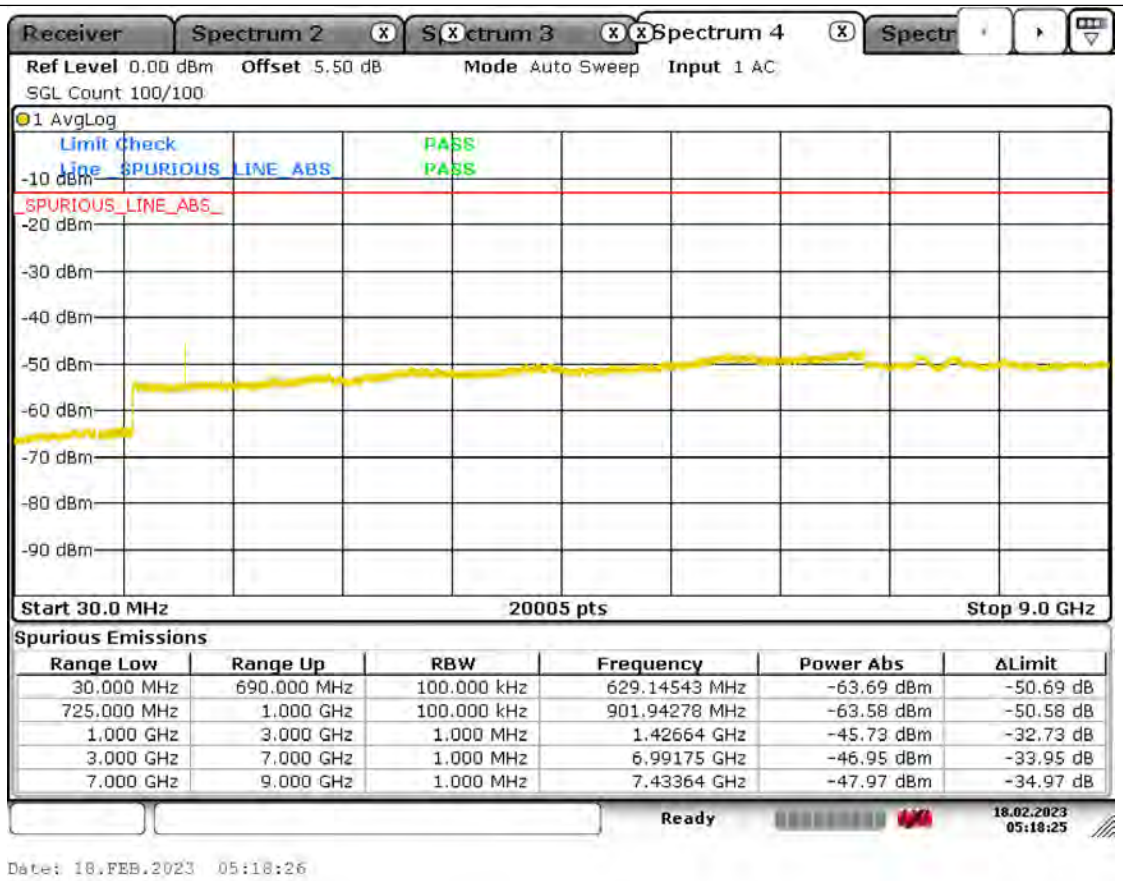
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.14543 MHz	-63.69 dBm	-50.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	901.94278 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.73 dBm	-32.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-46.95 dBm	-33.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-47.97 dBm	-34.97 dB

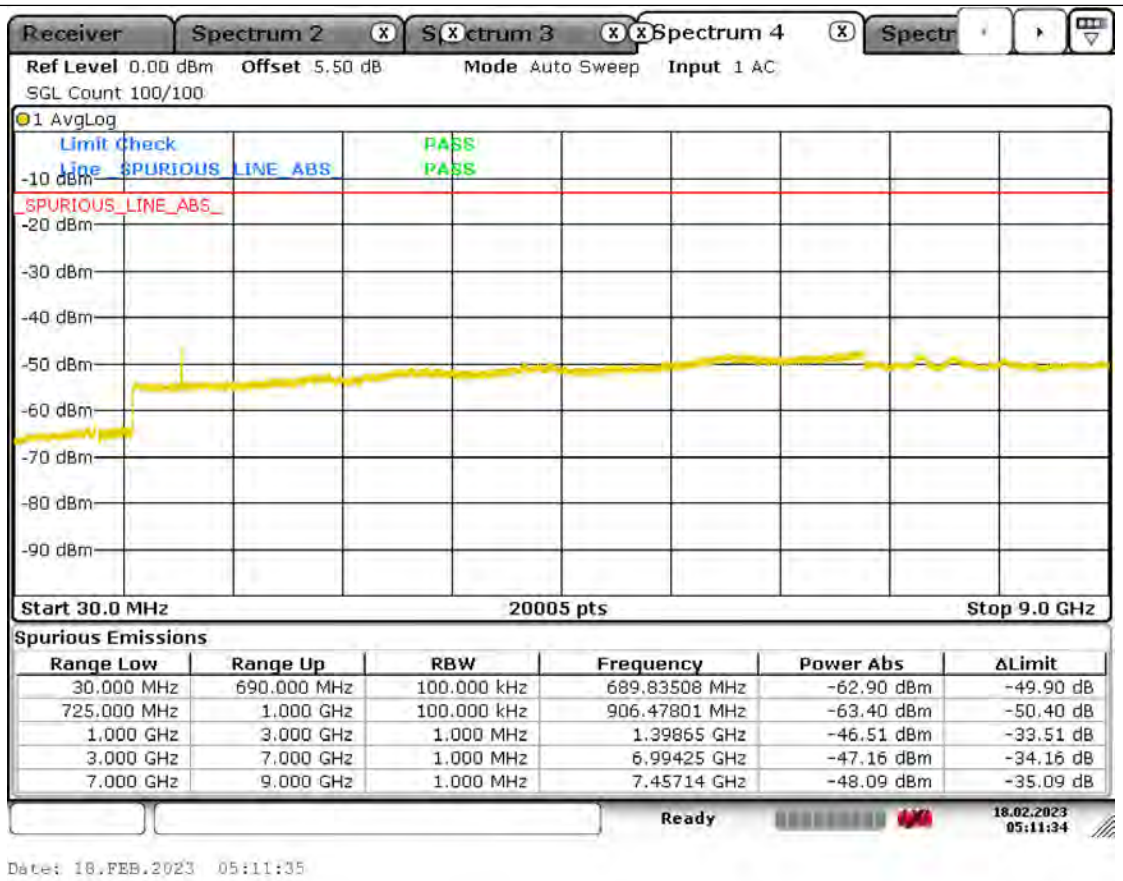
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.14543 MHz	-63.69 dBm	-50.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	901.94278 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.73 dBm	-32.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-46.95 dBm	-33.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43364 GHz	-47.97 dBm	-34.97 dB

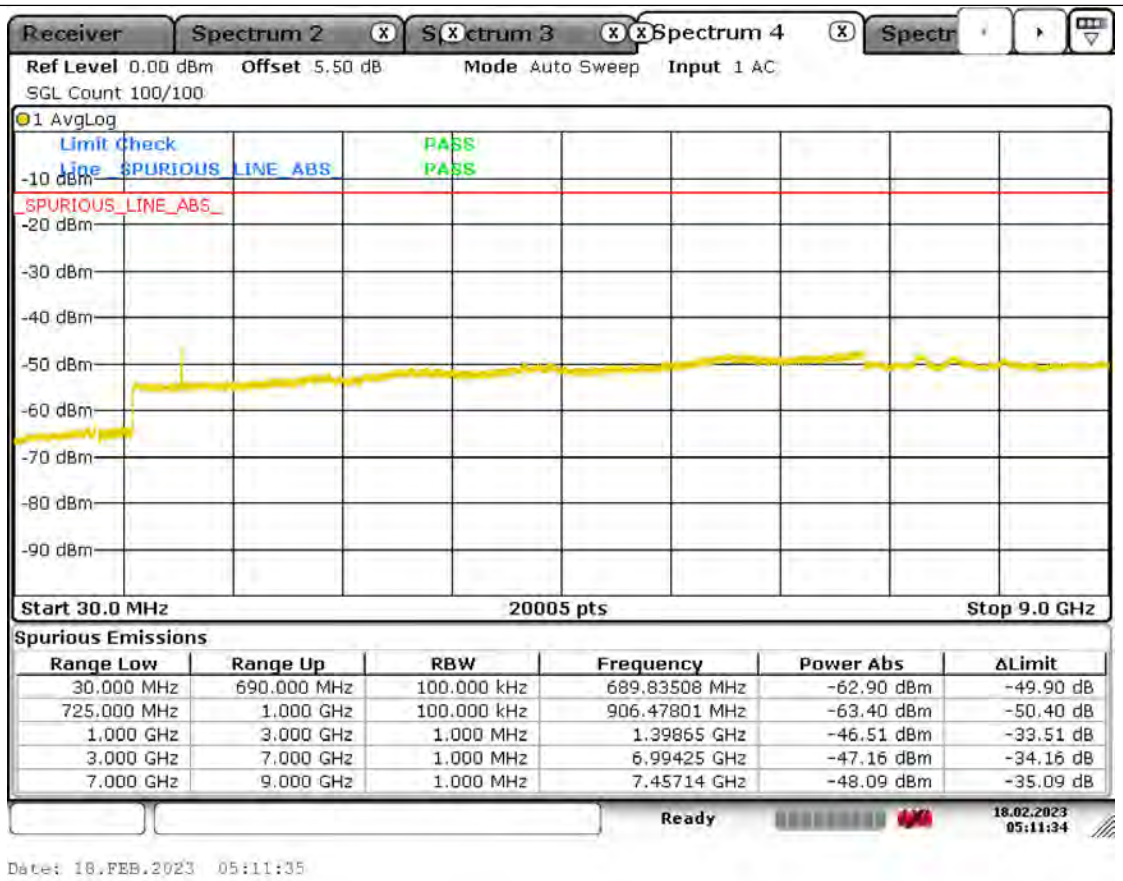
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-62.90 dBm	-49.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	906.47801 MHz	-63.40 dBm	-50.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-47.16 dBm	-34.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45714 GHz	-48.09 dBm	-35.09 dB

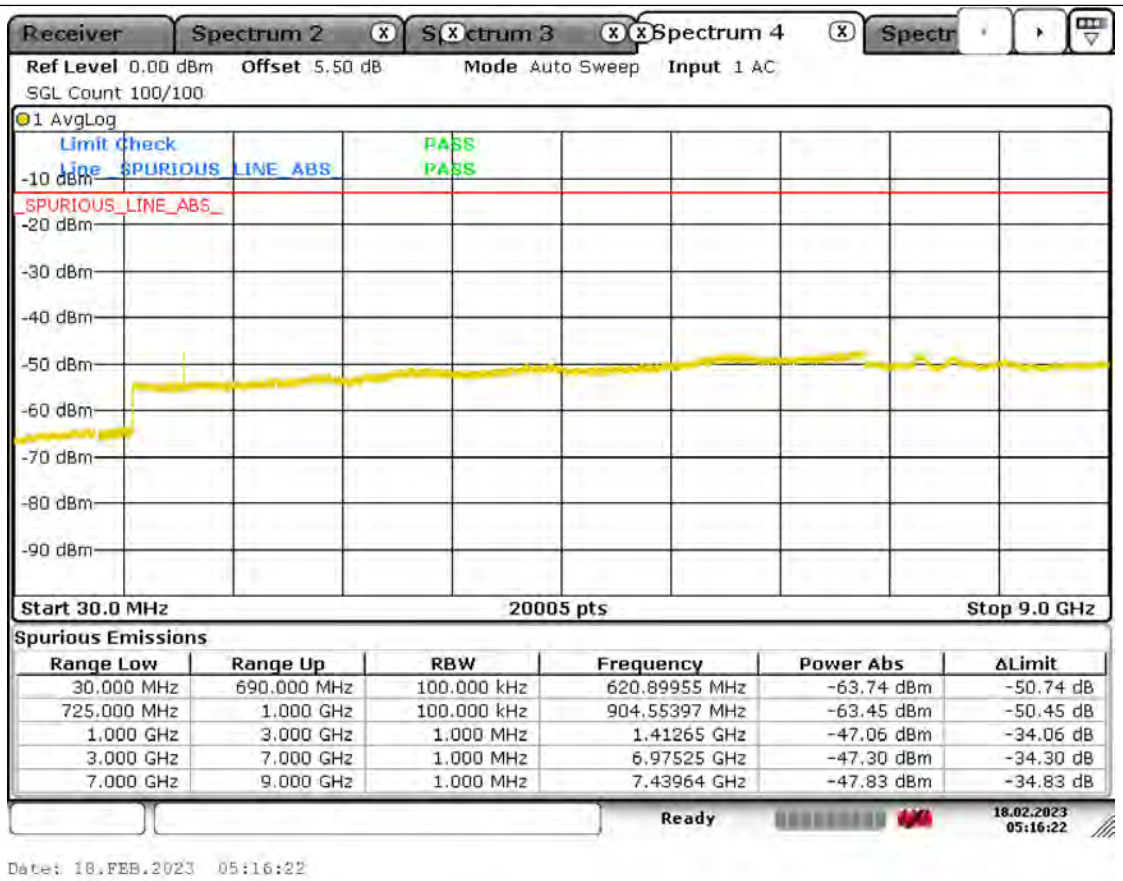
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-62.90 dBm	-49.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	906.47801 MHz	-63.40 dBm	-50.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-47.16 dBm	-34.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45714 GHz	-48.09 dBm	-35.09 dB

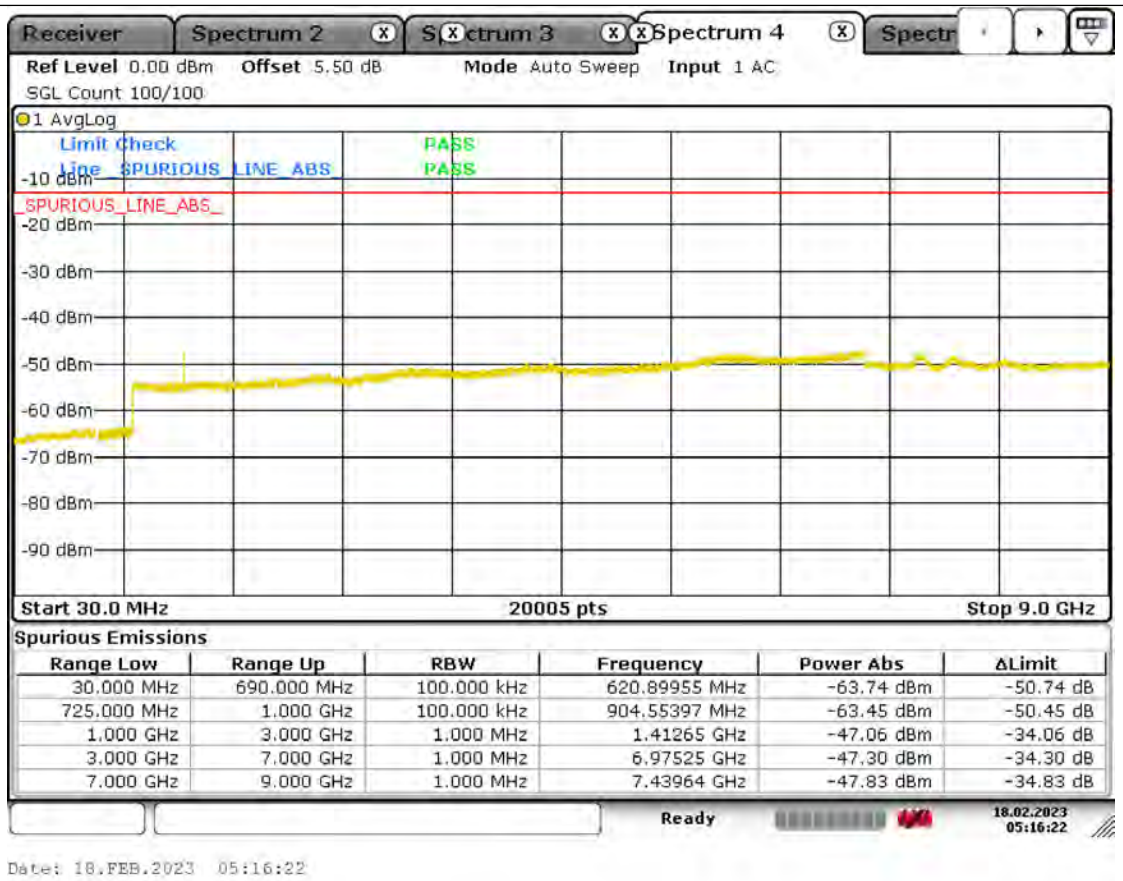
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.89955 MHz	-63.74 dBm	-50.74 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.55397 MHz	-63.45 dBm	-50.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97525 GHz	-47.30 dBm	-34.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43964 GHz	-47.83 dBm	-34.83 dB

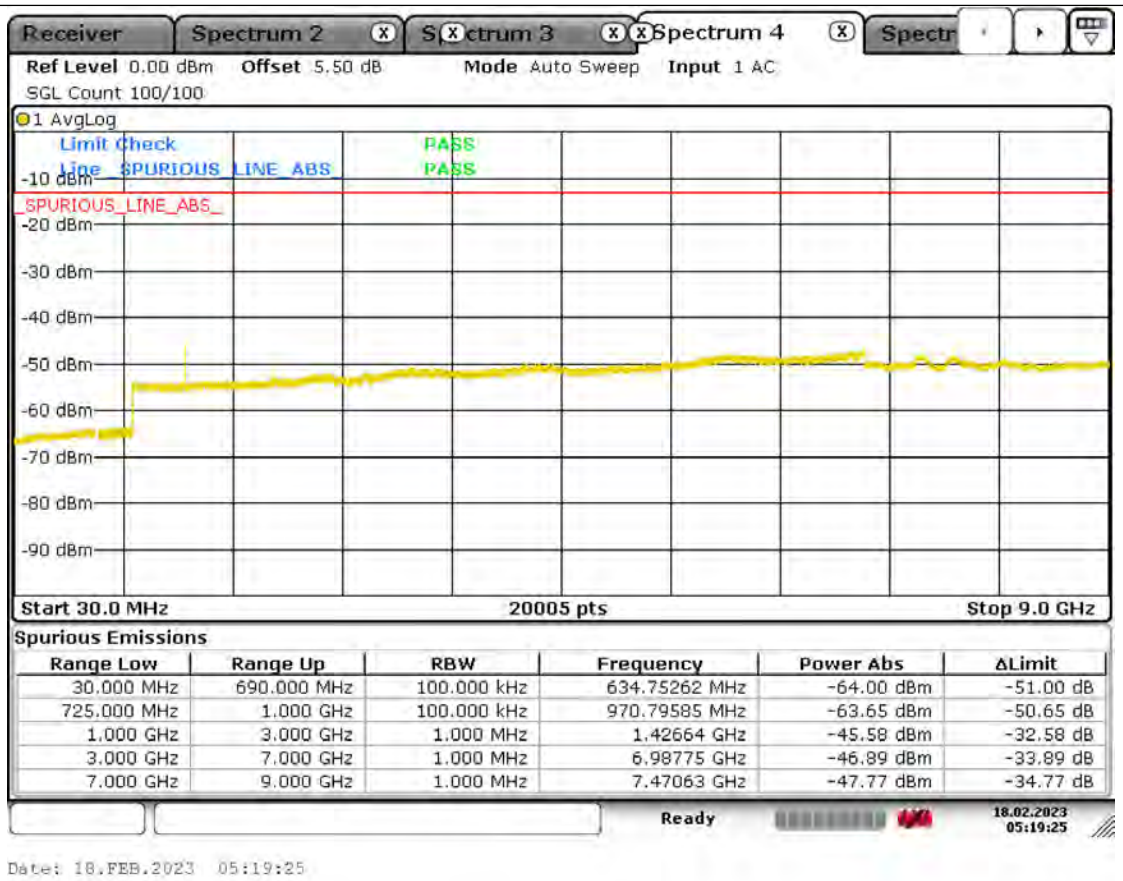
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.89955 MHz	-63.74 dBm	-50.74 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.55397 MHz	-63.45 dBm	-50.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97525 GHz	-47.30 dBm	-34.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43964 GHz	-47.83 dBm	-34.83 dB

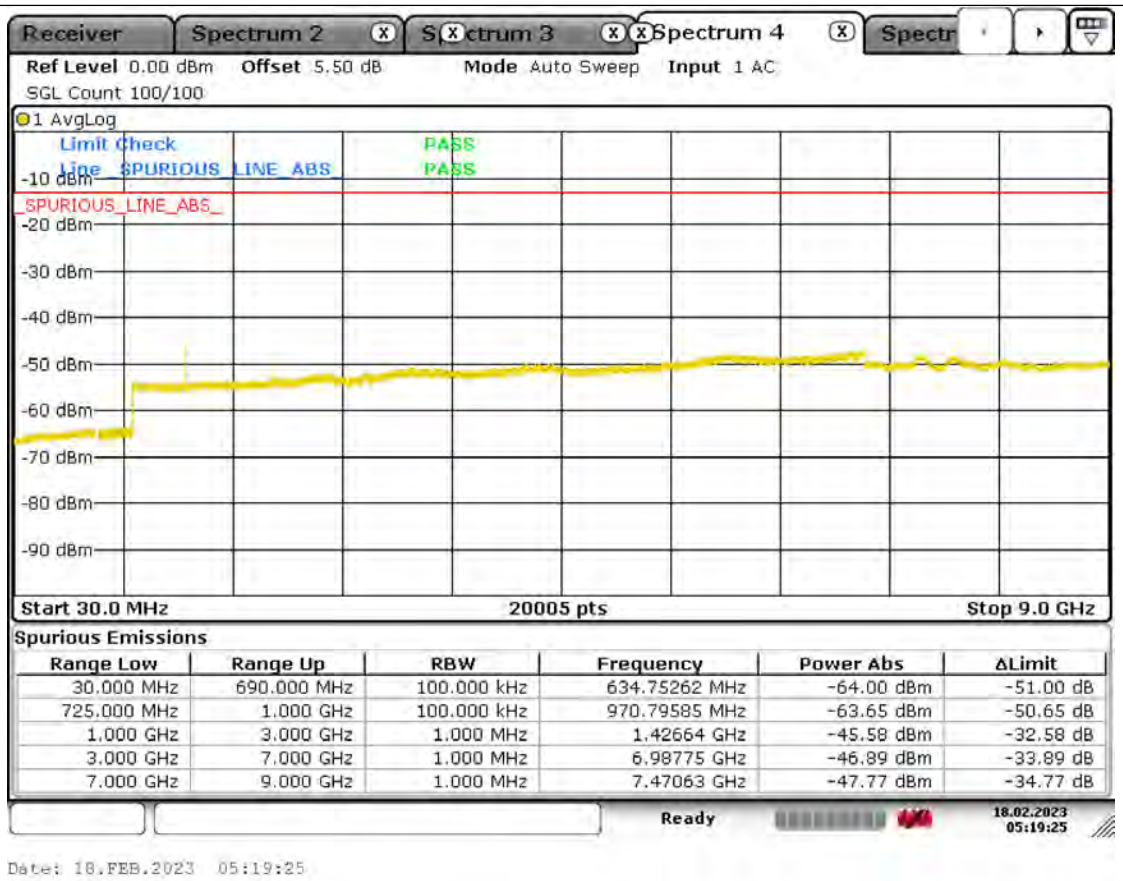
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.75262 MHz	-64.00 dBm	-51.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.79585 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.58 dBm	-32.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-46.89 dBm	-33.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47063 GHz	-47.77 dBm	-34.77 dB

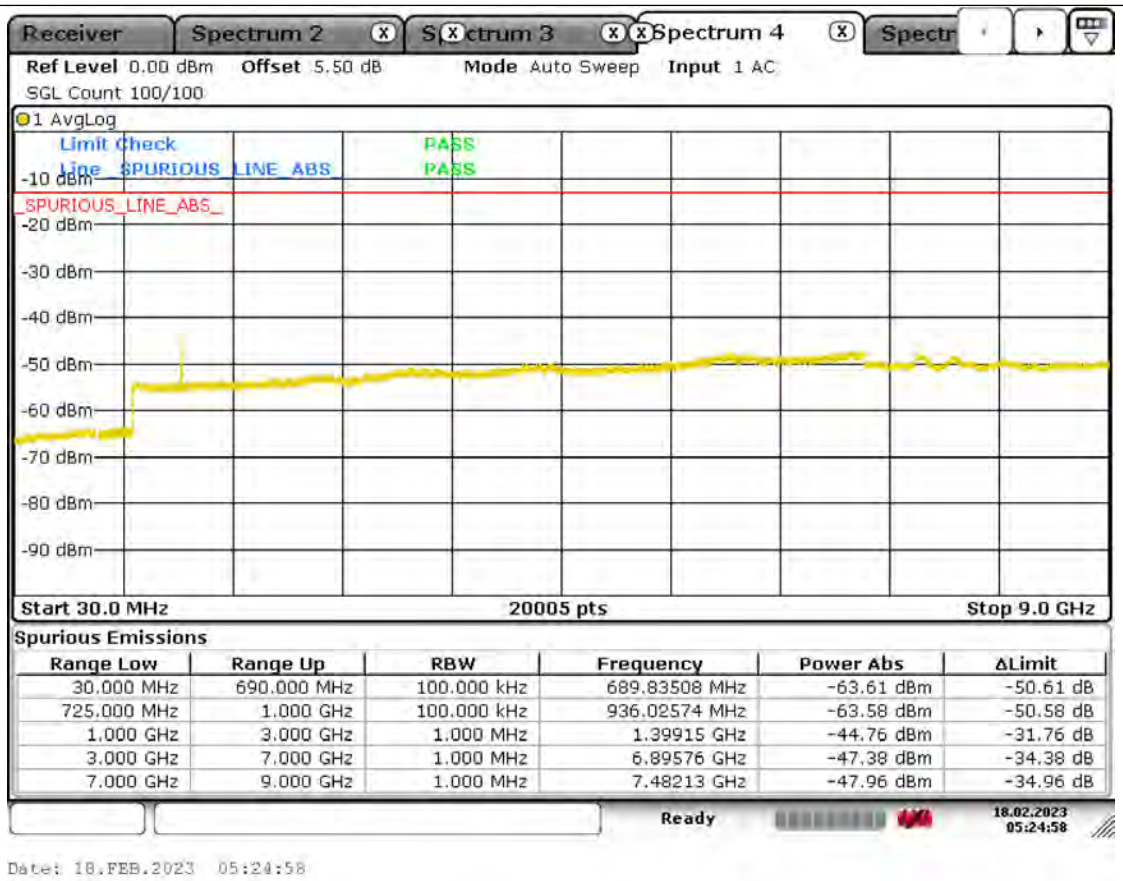
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.75262 MHz	-64.00 dBm	-51.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.79585 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.58 dBm	-32.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-46.89 dBm	-33.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47063 GHz	-47.77 dBm	-34.77 dB

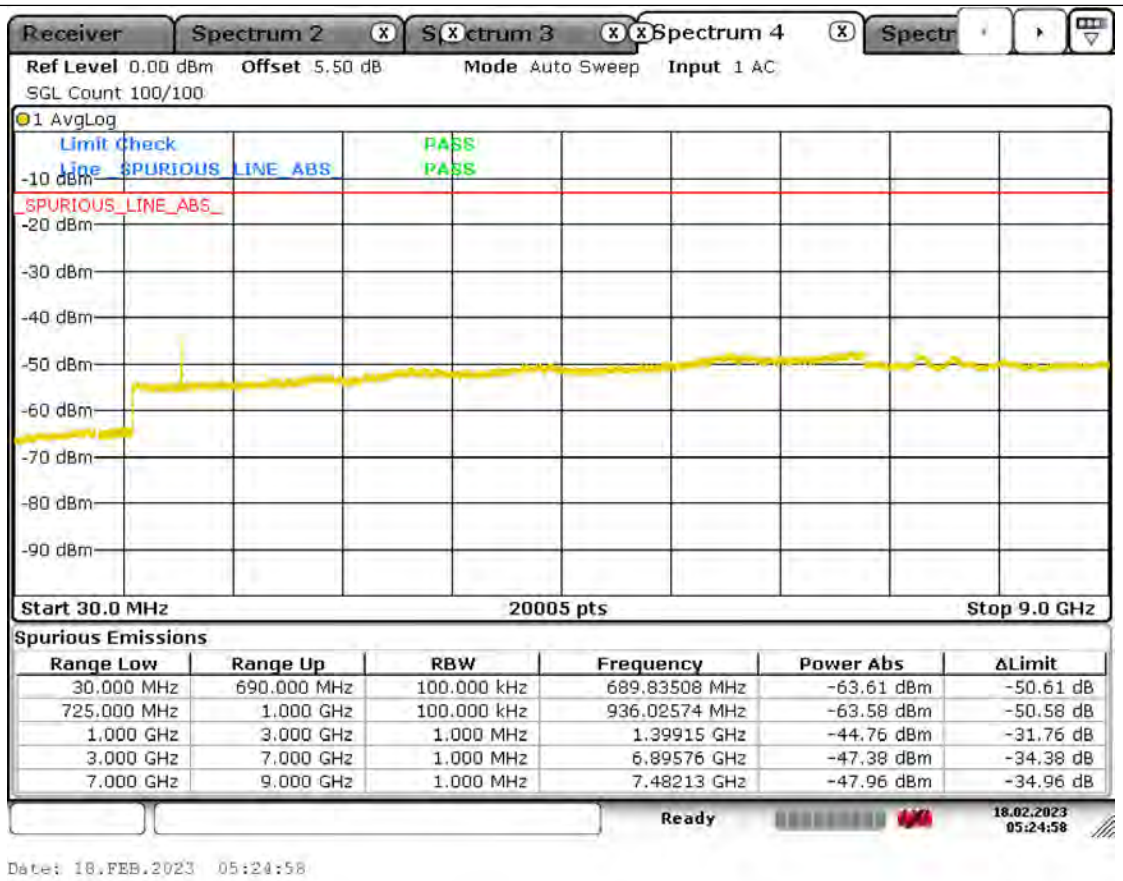
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.61 dBm	-50.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	936.02574 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.76 dBm	-31.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89576 GHz	-47.38 dBm	-34.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48213 GHz	-47.96 dBm	-34.96 dB

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



Spurious Emissions

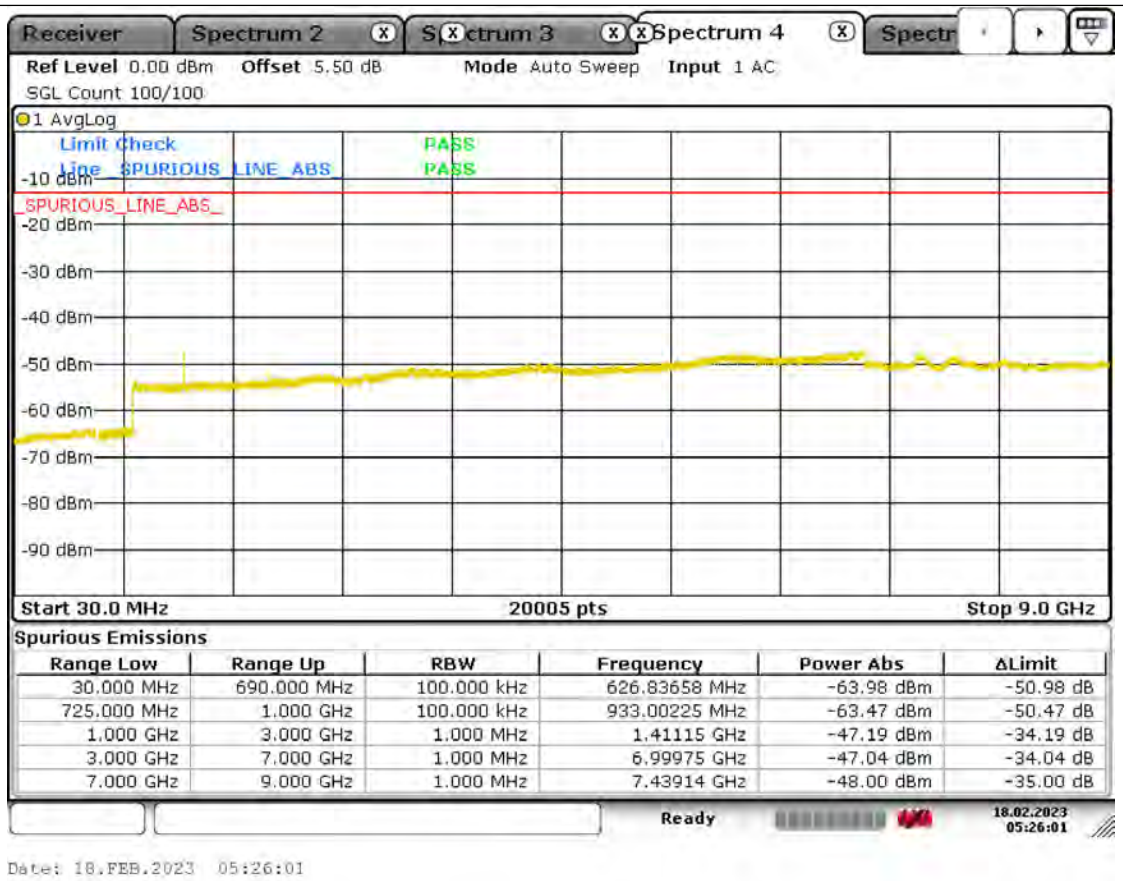
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.61 dBm	-50.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	936.02574 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.76 dBm	-31.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89576 GHz	-47.38 dBm	-34.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48213 GHz	-47.96 dBm	-34.96 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	626.83658 MHz	-63.98 dBm	-50.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	933.00225 MHz	-63.47 dBm	-50.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-47.19 dBm	-34.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.04 dBm	-34.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43914 GHz	-48.00 dBm	-35.00 dB

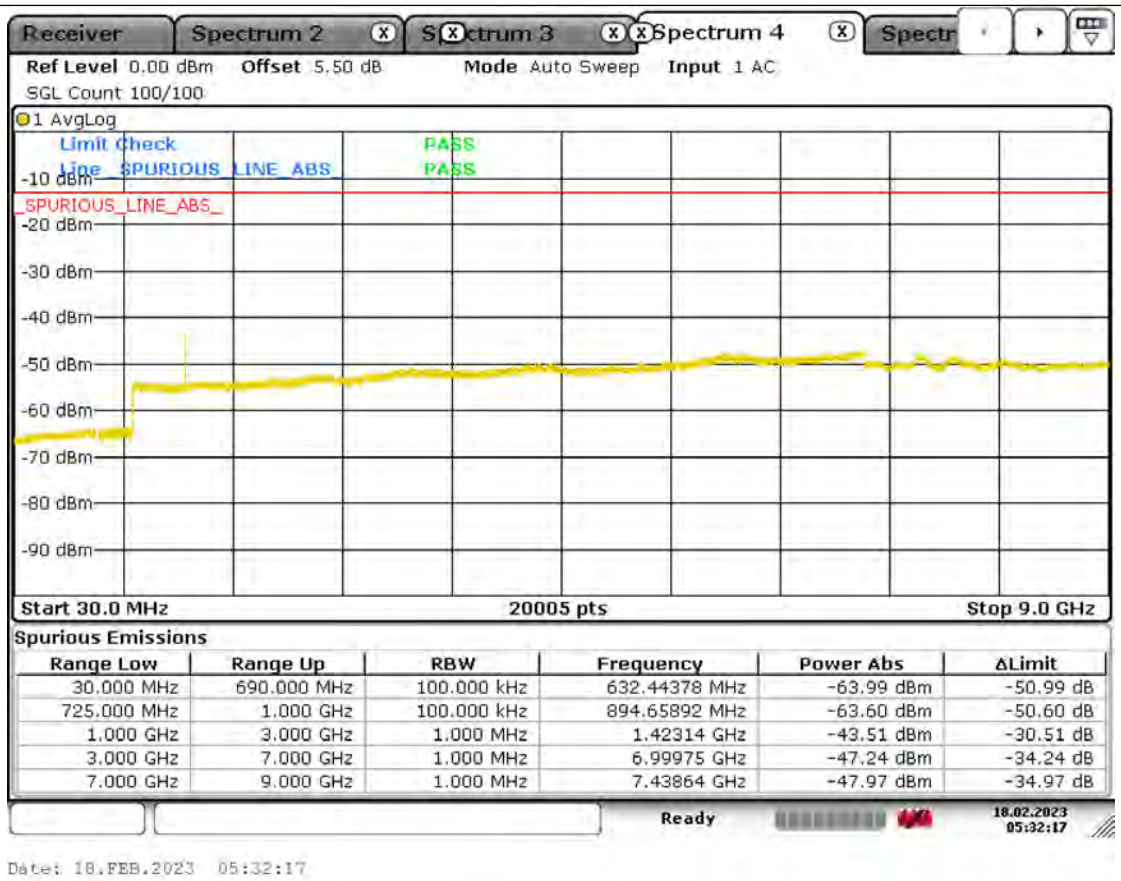
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.83658 MHz	-63.98 dBm	-50.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	933.00225 MHz	-63.47 dBm	-50.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-47.19 dBm	-34.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.04 dBm	-34.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43914 GHz	-48.00 dBm	-35.00 dB

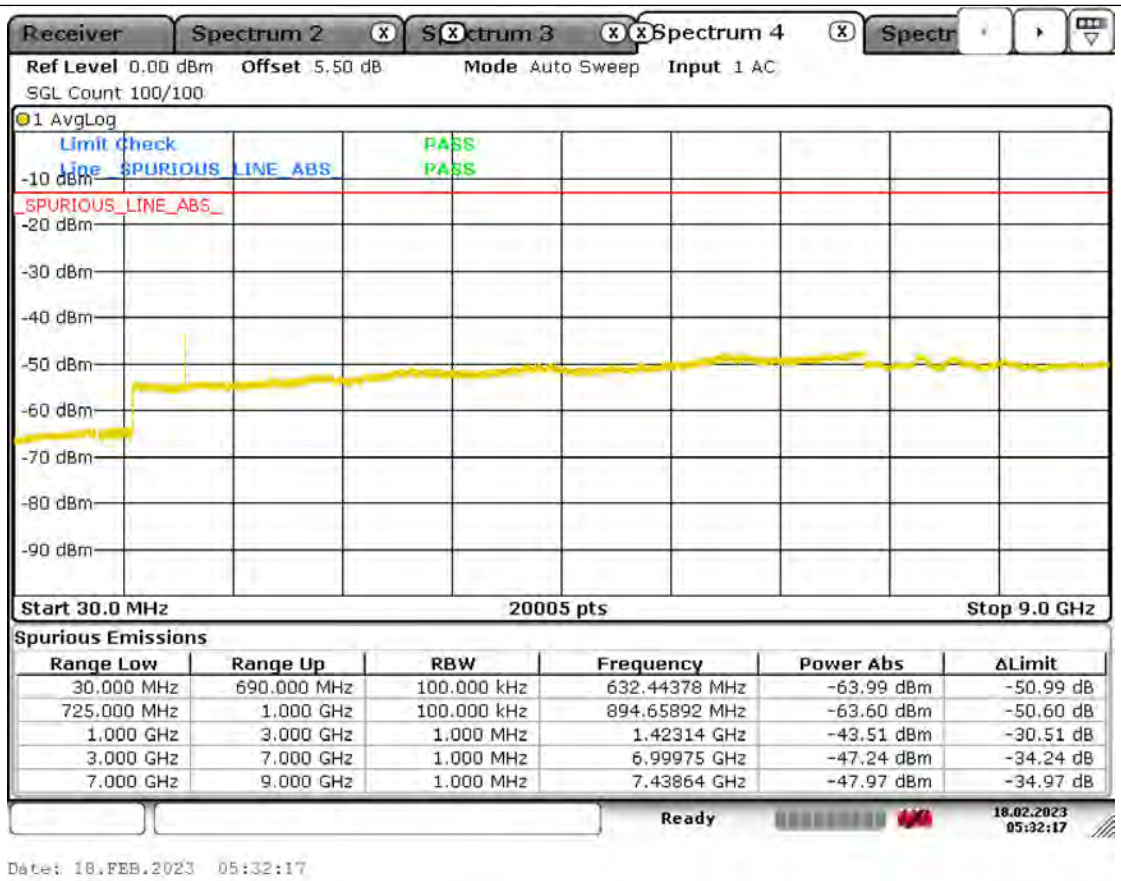
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.44378 MHz	-63.99 dBm	-50.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.65892 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.51 dBm	-30.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-47.97 dBm	-34.97 dB

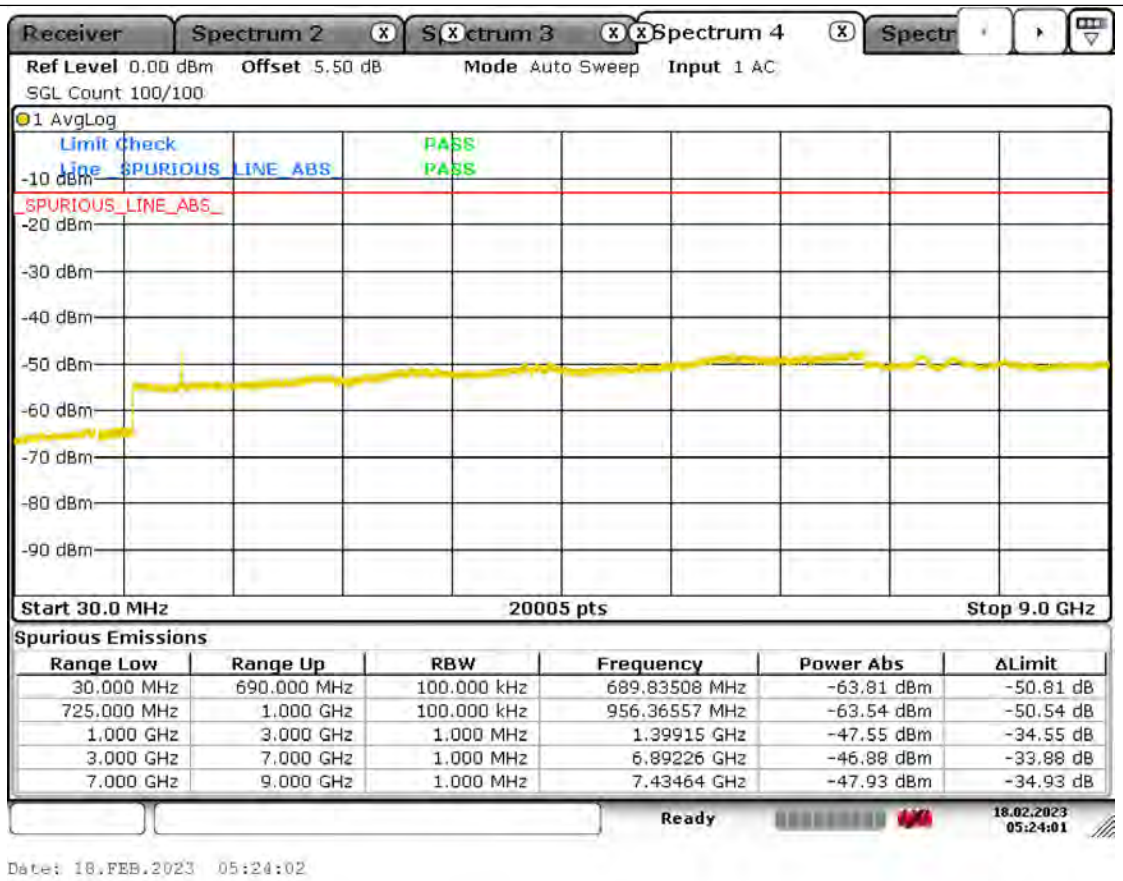
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.44378 MHz	-63.99 dBm	-50.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.65892 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.51 dBm	-30.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-47.97 dBm	-34.97 dB

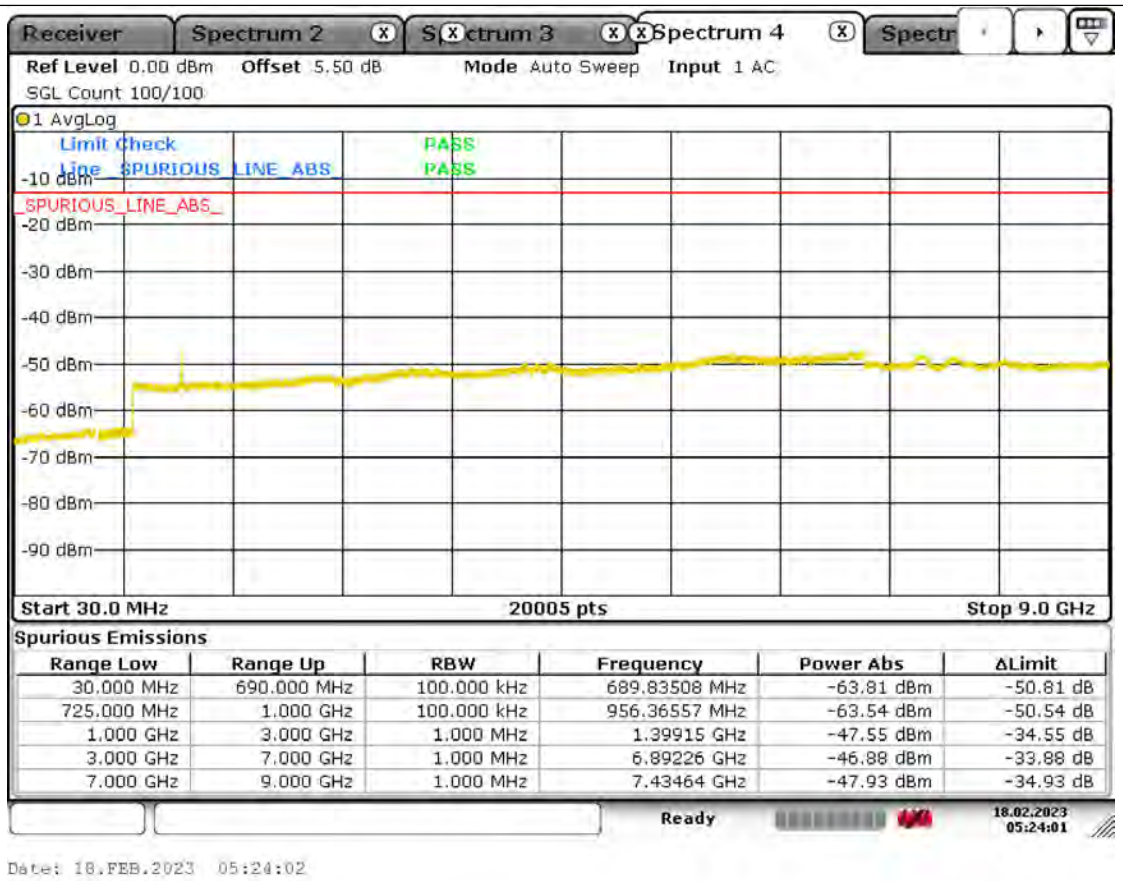
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-63.81 dBm	-50.81 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.36557 MHz	-63.54 dBm	-50.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-47.55 dBm	-34.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89226 GHz	-46.88 dBm	-33.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43464 GHz	-47.93 dBm	-34.93 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	-63.81 dBm	-50.81 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.36557 MHz	-63.54 dBm	-50.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-47.55 dBm	-34.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89226 GHz	-46.88 dBm	-33.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43464 GHz	-47.93 dBm	-34.93 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	625.18741 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	922.42004 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-48.58 dBm	-35.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-47.22 dBm	-34.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43914 GHz	-48.03 dBm	-35.03 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	625.18741 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	922.42004 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-48.58 dBm	-35.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-47.22 dBm	-34.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43914 GHz	-48.03 dBm	-35.03 dB

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

Spurious Emissions

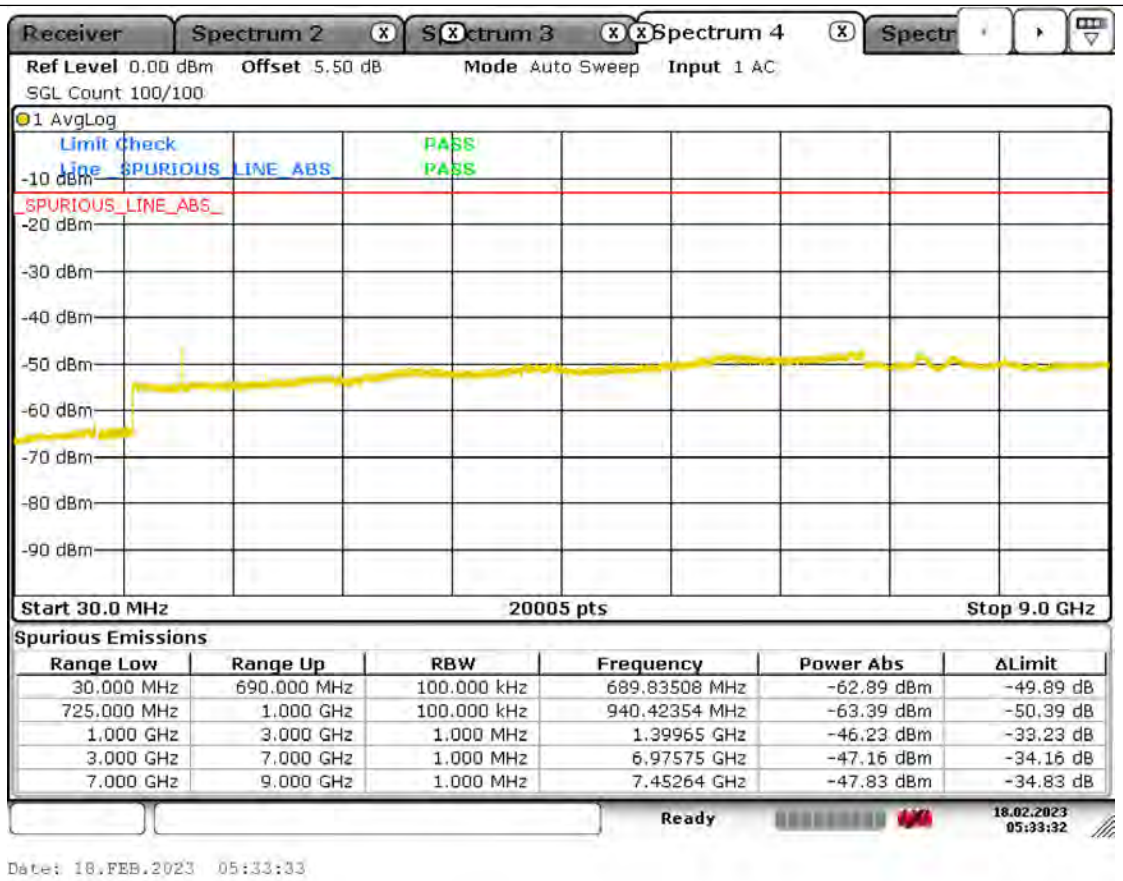
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.80510 MHz	-63.91 dBm	-50.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	960.76337 MHz	-63.30 dBm	-50.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.19 dBm	-31.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.00 dBm	-34.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43114 GHz	-47.78 dBm	-34.78 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	629.80510 MHz	-63.91 dBm	-50.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	960.76337 MHz	-63.30 dBm	-50.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.19 dBm	-31.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.00 dBm	-34.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43114 GHz	-47.78 dBm	-34.78 dB

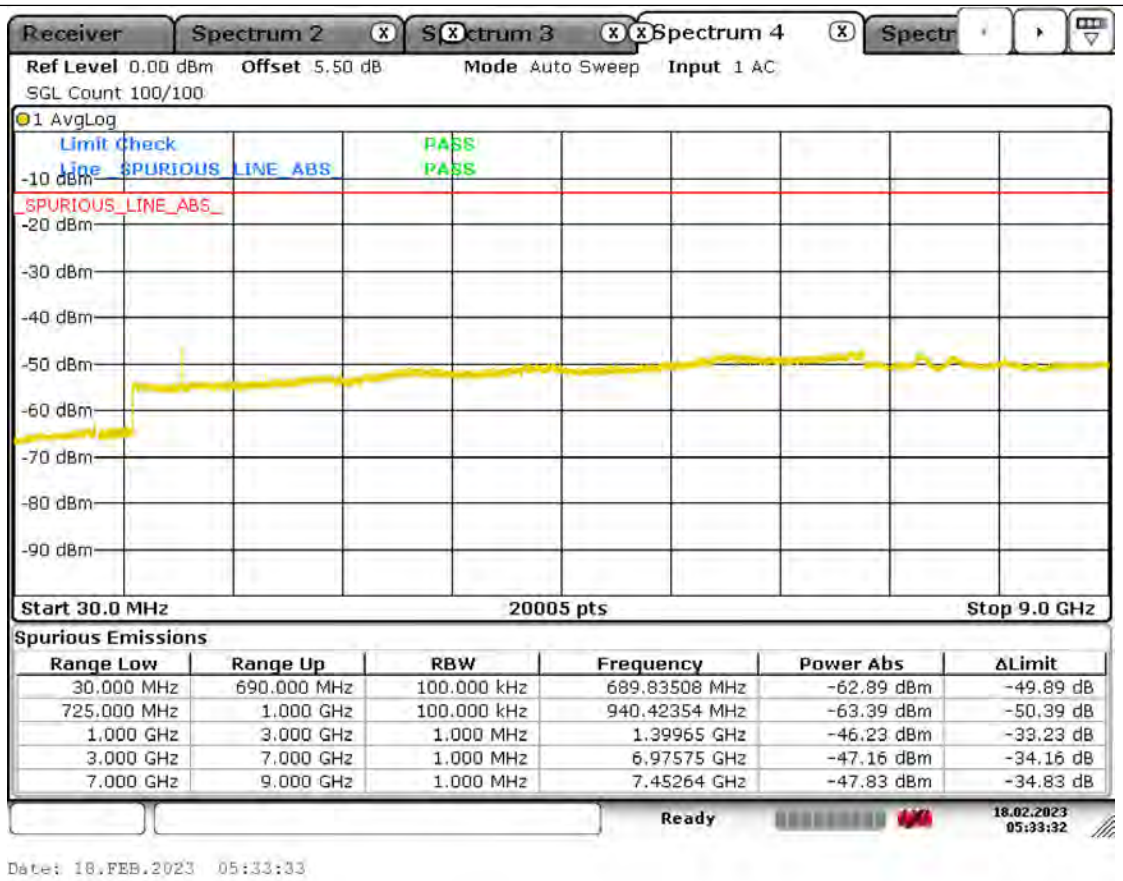
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-62.89 dBm	-49.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	940.42354 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-46.23 dBm	-33.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97575 GHz	-47.16 dBm	-34.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45264 GHz	-47.83 dBm	-34.83 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	-62.89 dBm	-49.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	940.42354 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-46.23 dBm	-33.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97575 GHz	-47.16 dBm	-34.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.45264 GHz	-47.83 dBm	-34.83 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	689.83508 MHz	-63.80 dBm	-50.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	917.19765 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-49.52 dBm	-36.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98025 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43664 GHz	-47.90 dBm	-34.90 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	689.83508 MHz	-63.80 dBm	-50.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	917.19765 MHz	-63.65 dBm	-50.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-49.52 dBm	-36.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98025 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43664 GHz	-47.90 dBm	-34.90 dB

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

Spurious Emissions

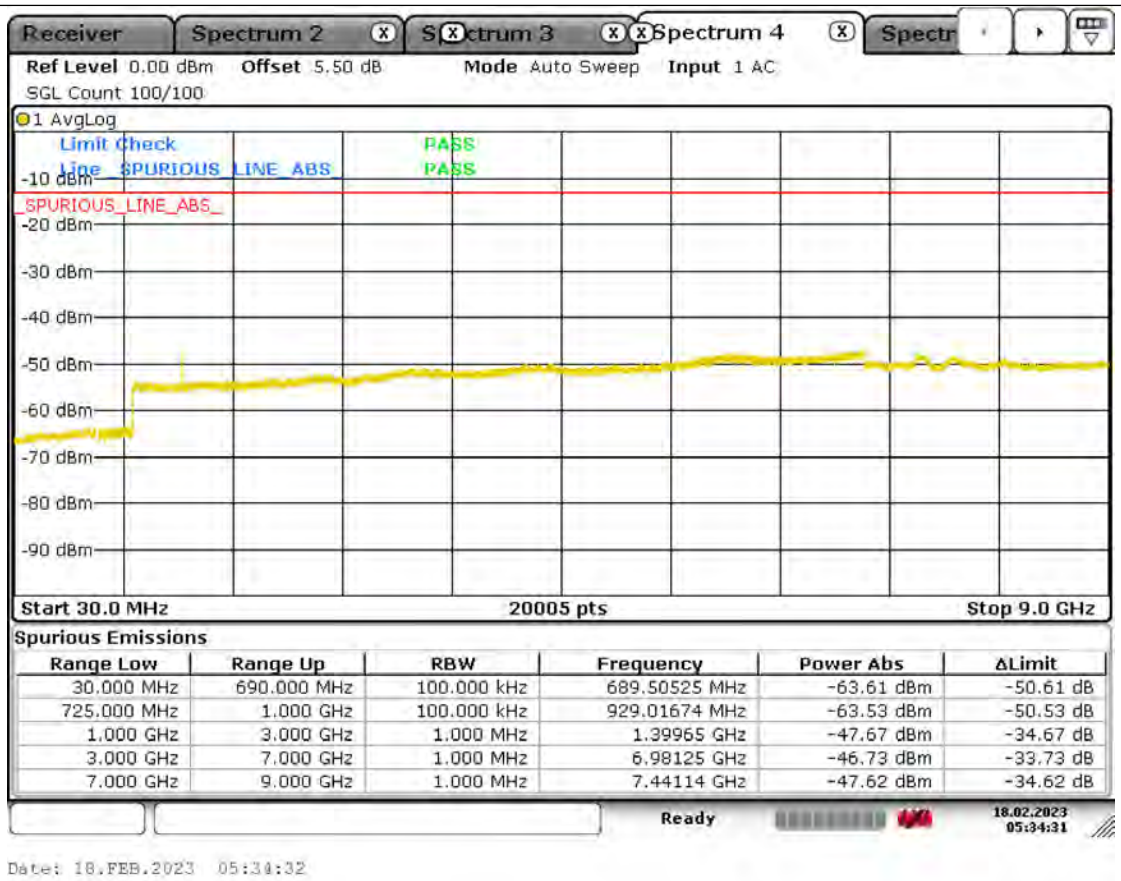
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-57.91 dBm	-44.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.40555 MHz	-63.53 dBm	-50.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-44.57 dBm	-31.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48763 GHz	-48.09 dBm	-35.09 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	-57.91 dBm	-44.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.40555 MHz	-63.53 dBm	-50.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-44.57 dBm	-31.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48763 GHz	-48.09 dBm	-35.09 dB

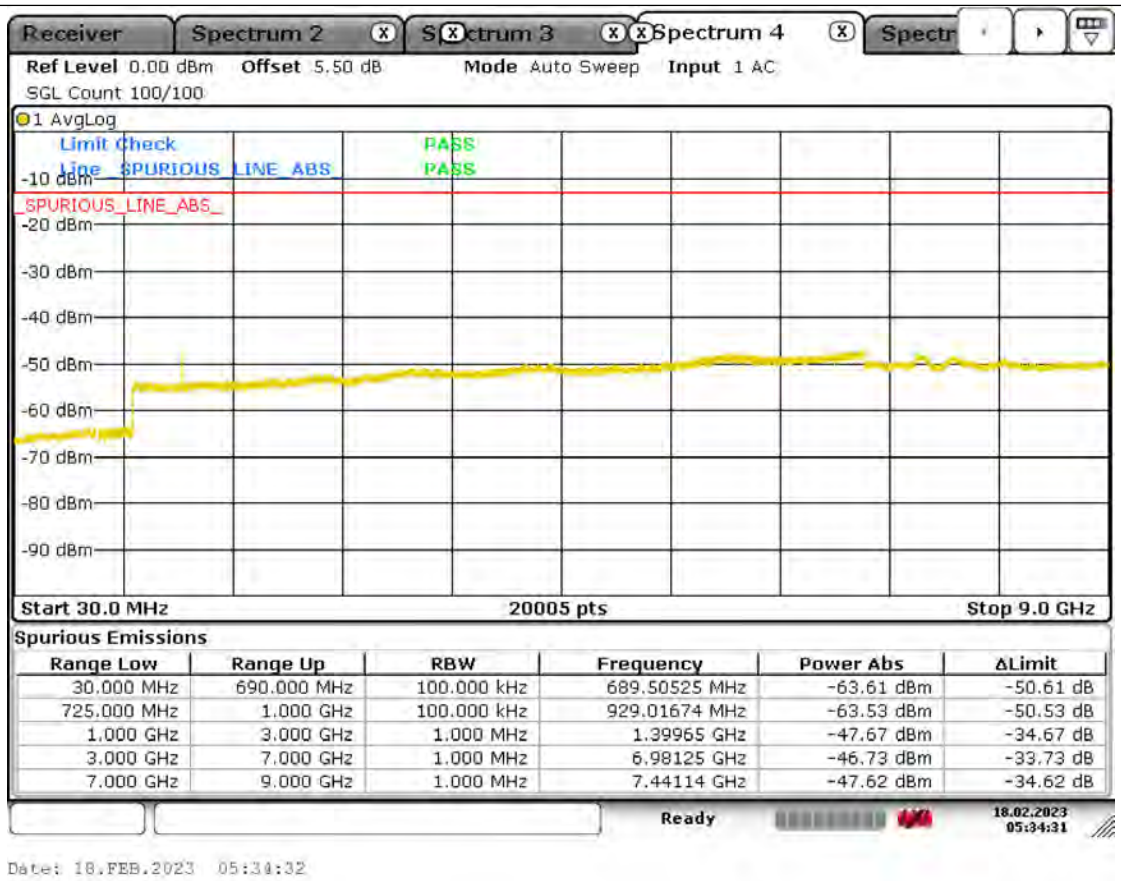
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-63.61 dBm	-50.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.01674 MHz	-63.53 dBm	-50.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-46.73 dBm	-33.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44114 GHz	-47.62 dBm	-34.62 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	689.50525 MHz	-63.61 dBm	-50.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.01674 MHz	-63.53 dBm	-50.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-46.73 dBm	-33.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44114 GHz	-47.62 dBm	-34.62 dB

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

Spurious Emissions

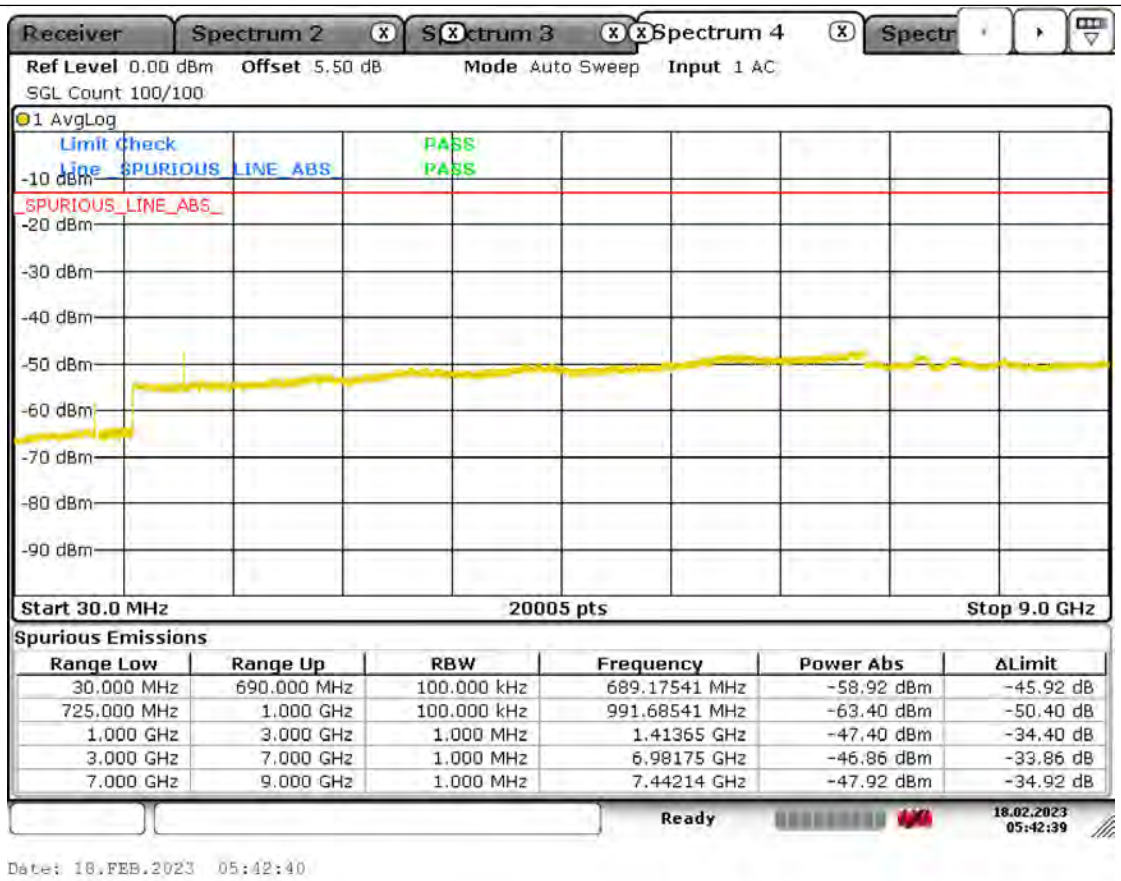
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	617.27136 MHz	-63.87 dBm	-50.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	901.39305 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-50.94 dBm	-37.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91976 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48513 GHz	-48.05 dBm	-35.05 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	617.27136 MHz	-63.87 dBm	-50.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	901.39305 MHz	-63.66 dBm	-50.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-50.94 dBm	-37.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91976 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48513 GHz	-48.05 dBm	-35.05 dB

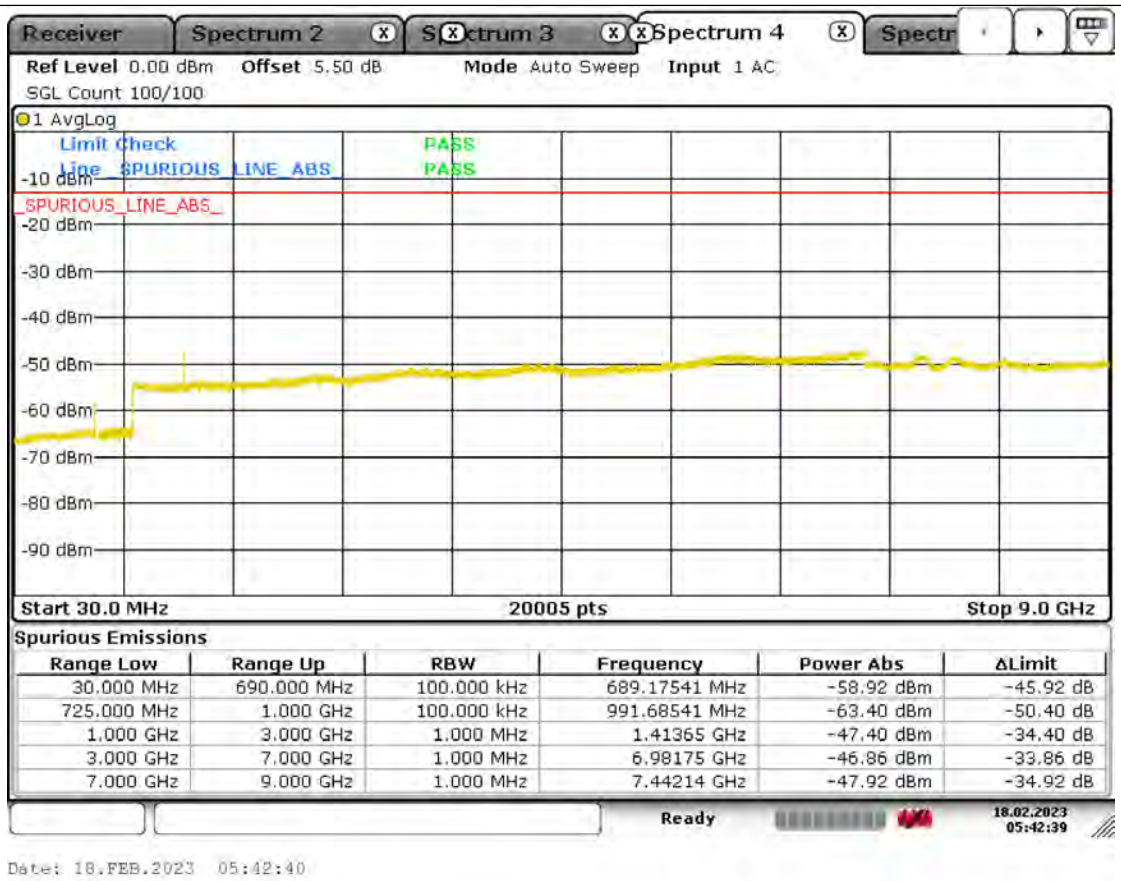
Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-58.92 dBm	-45.92 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.68541 MHz	-63.40 dBm	-50.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.40 dBm	-34.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-46.86 dBm	-33.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44214 GHz	-47.92 dBm	-34.92 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	-58.92 dBm	-45.92 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.68541 MHz	-63.40 dBm	-50.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.40 dBm	-34.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-46.86 dBm	-33.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44214 GHz	-47.92 dBm	-34.92 dB

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

Spurious Emissions

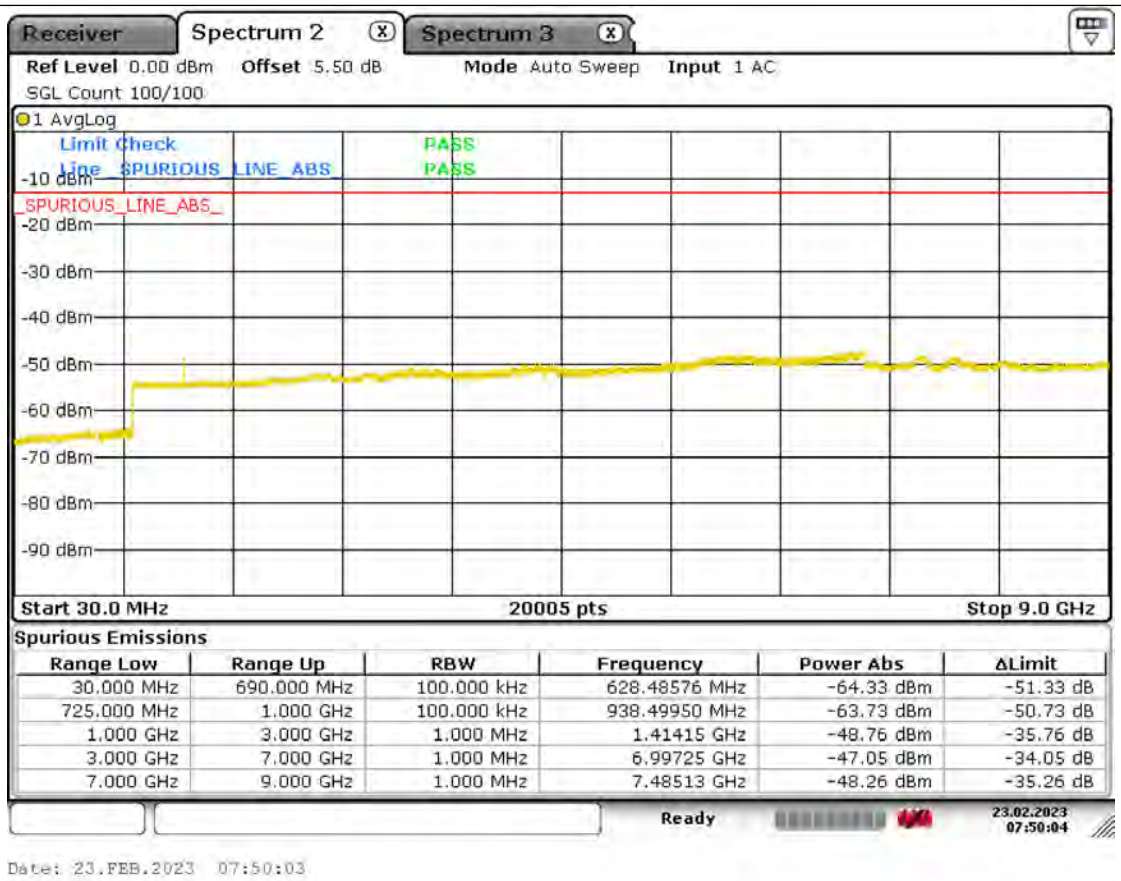
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.91004 MHz	-64.30 dBm	-51.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	854.94128 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.88 dBm	-34.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48113 GHz	-47.86 dBm	-34.86 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	619.91004 MHz	-64.30 dBm	-51.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	854.94128 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.88 dBm	-34.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48113 GHz	-47.86 dBm	-34.86 dB

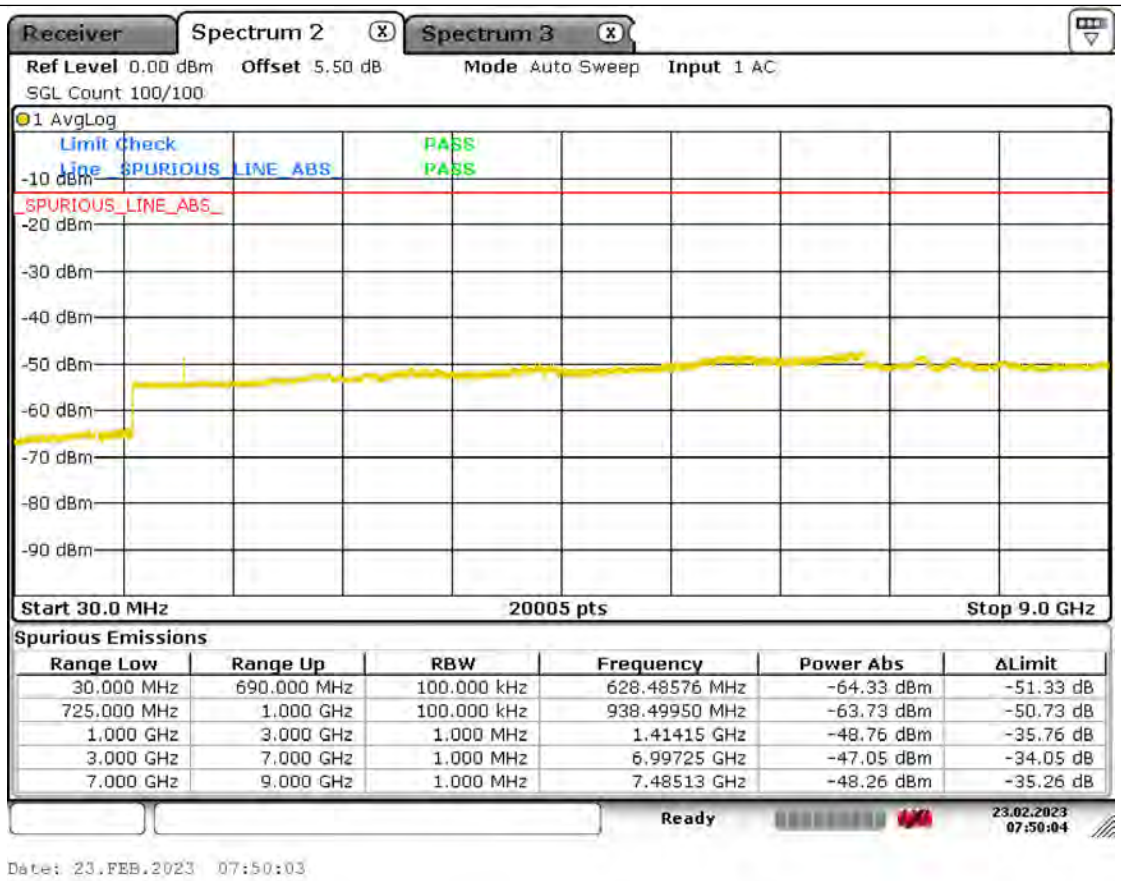
Band12-1.4MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	628.48576 MHz	-64.33 dBm	-51.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.49950 MHz	-63.73 dBm	-50.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-48.76 dBm	-35.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48513 GHz	-48.26 dBm	-35.26 dB

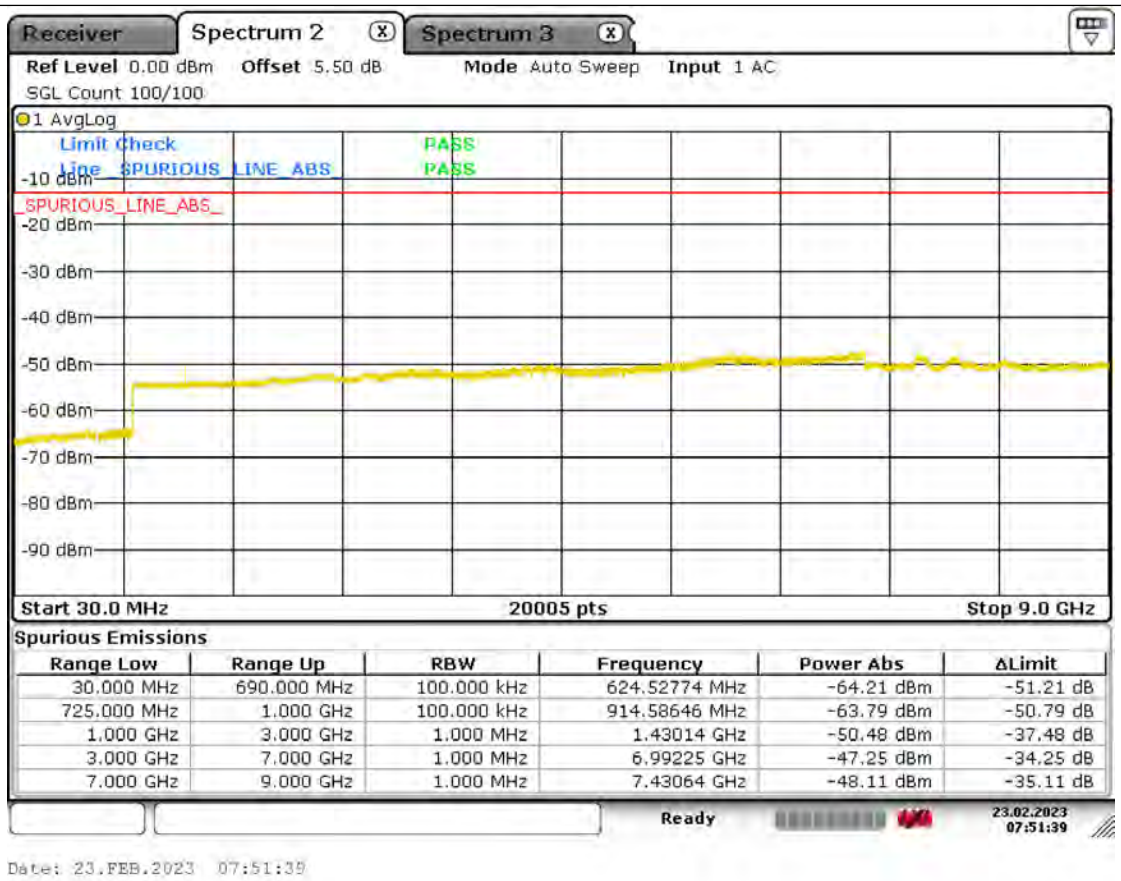
Band12-1.4MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	628.48576 MHz	-64.33 dBm	-51.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.49950 MHz	-63.73 dBm	-50.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-48.76 dBm	-35.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-47.05 dBm	-34.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.48513 GHz	-48.26 dBm	-35.26 dB

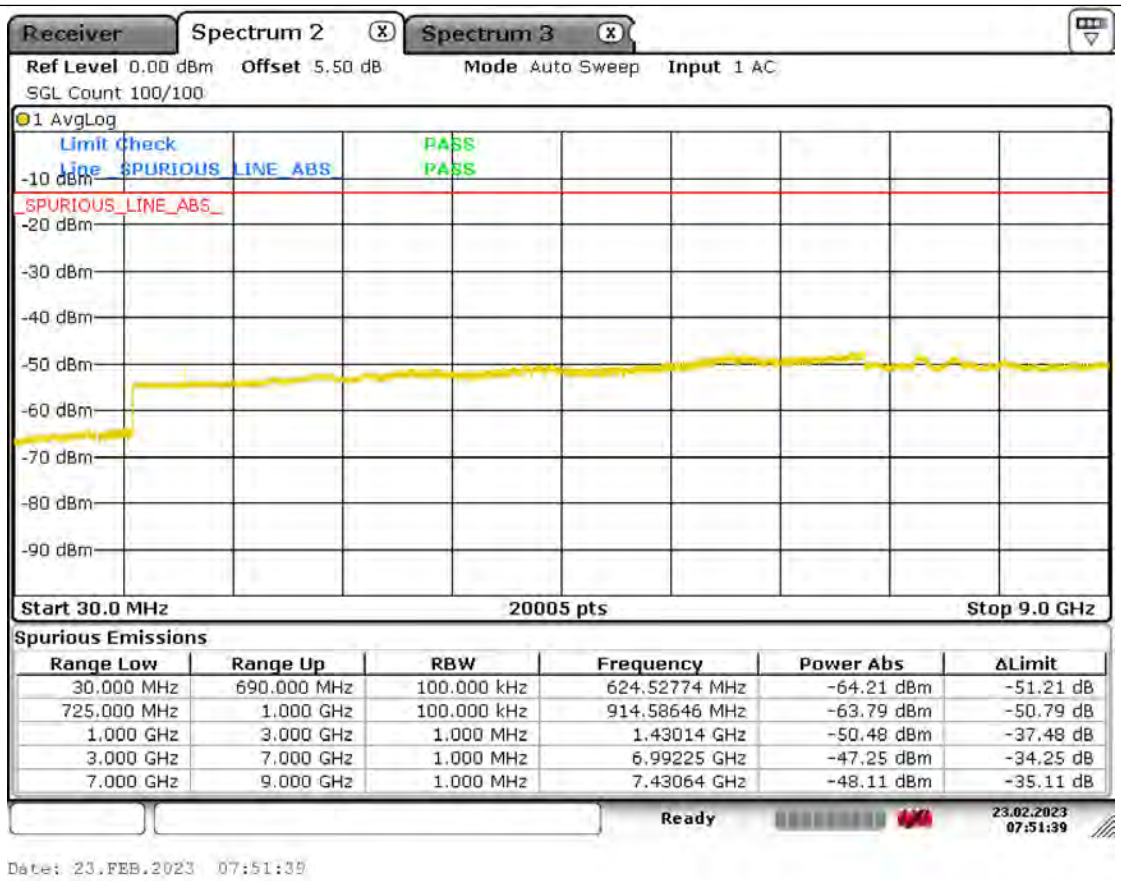
Band12-1.4MHz-64QAM-23173-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.58646 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-50.48 dBm	-37.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.11 dBm	-35.11 dB

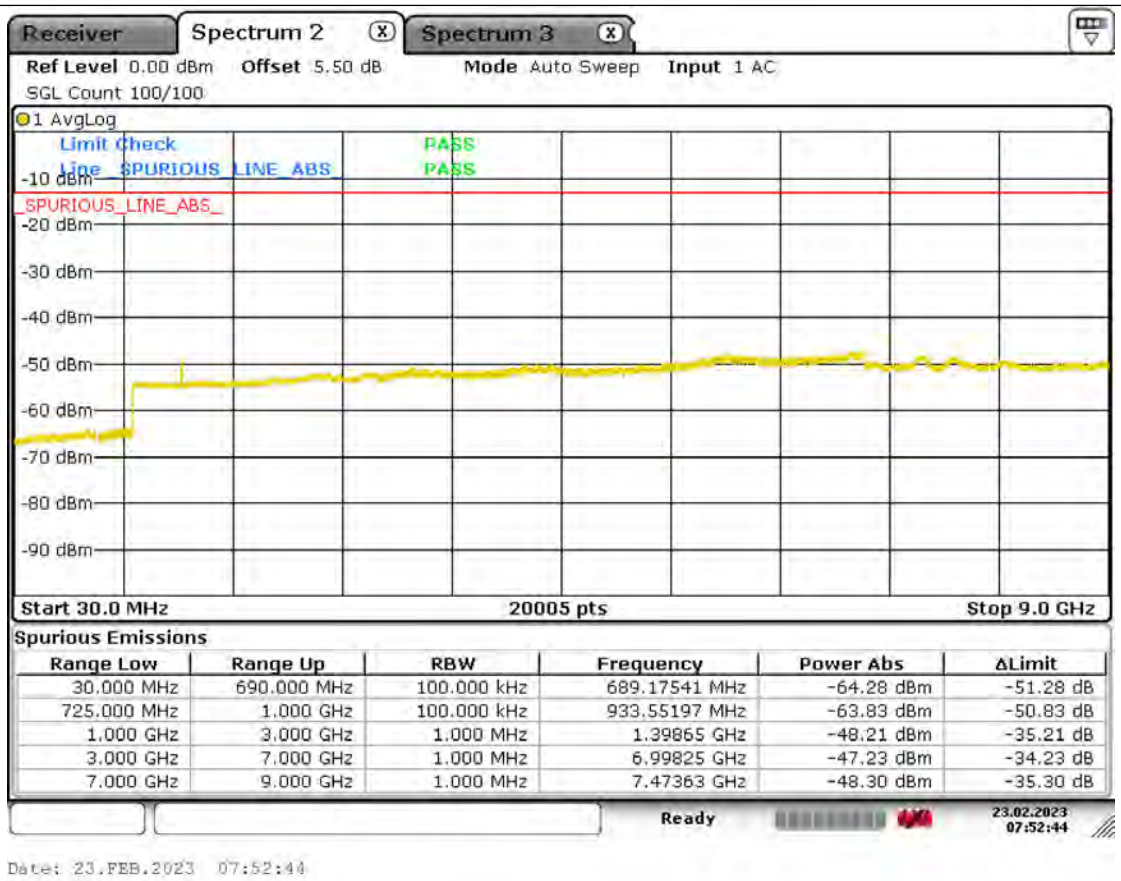
Band12-1.4MHz-64QAM-23173-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.52774 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.58646 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-50.48 dBm	-37.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-48.11 dBm	-35.11 dB

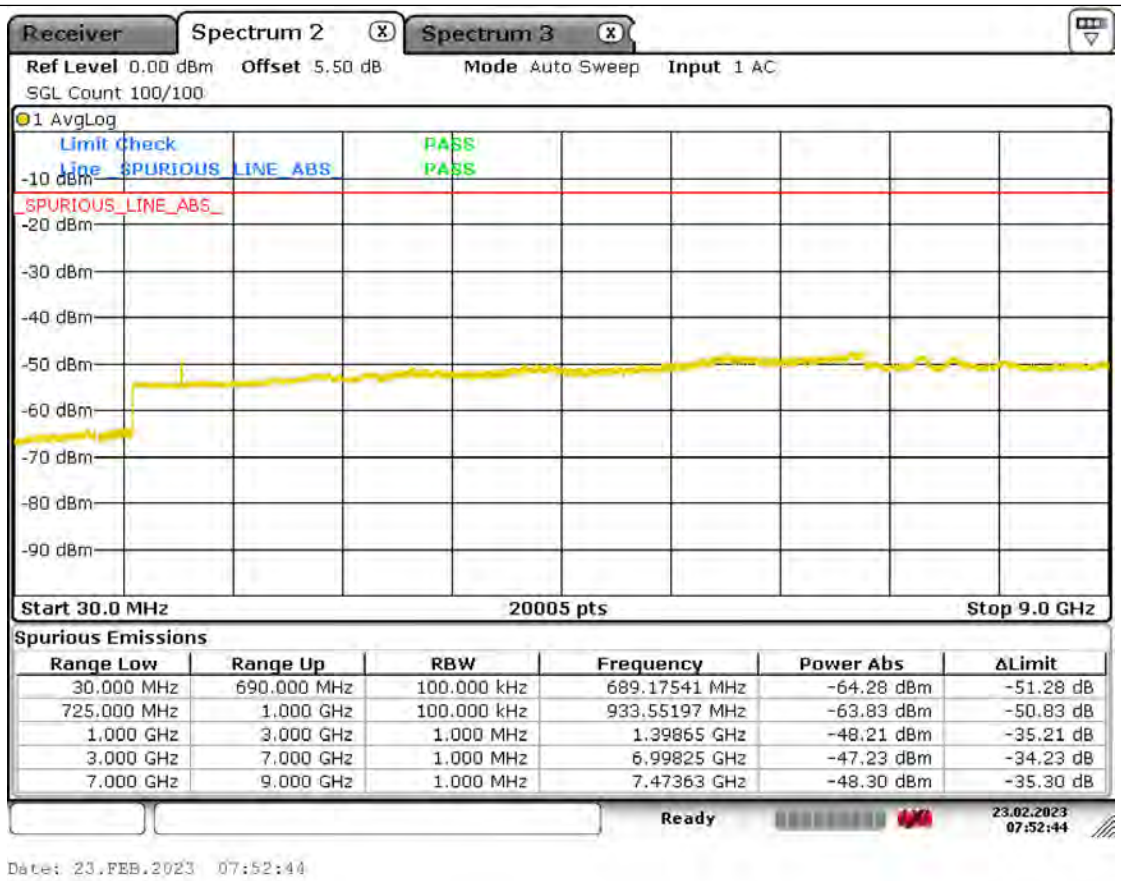
Band12-3MHz-64QAM-23025-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-64.28 dBm	-51.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	933.55197 MHz	-63.83 dBm	-50.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-48.21 dBm	-35.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-47.23 dBm	-34.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47363 GHz	-48.30 dBm	-35.30 dB

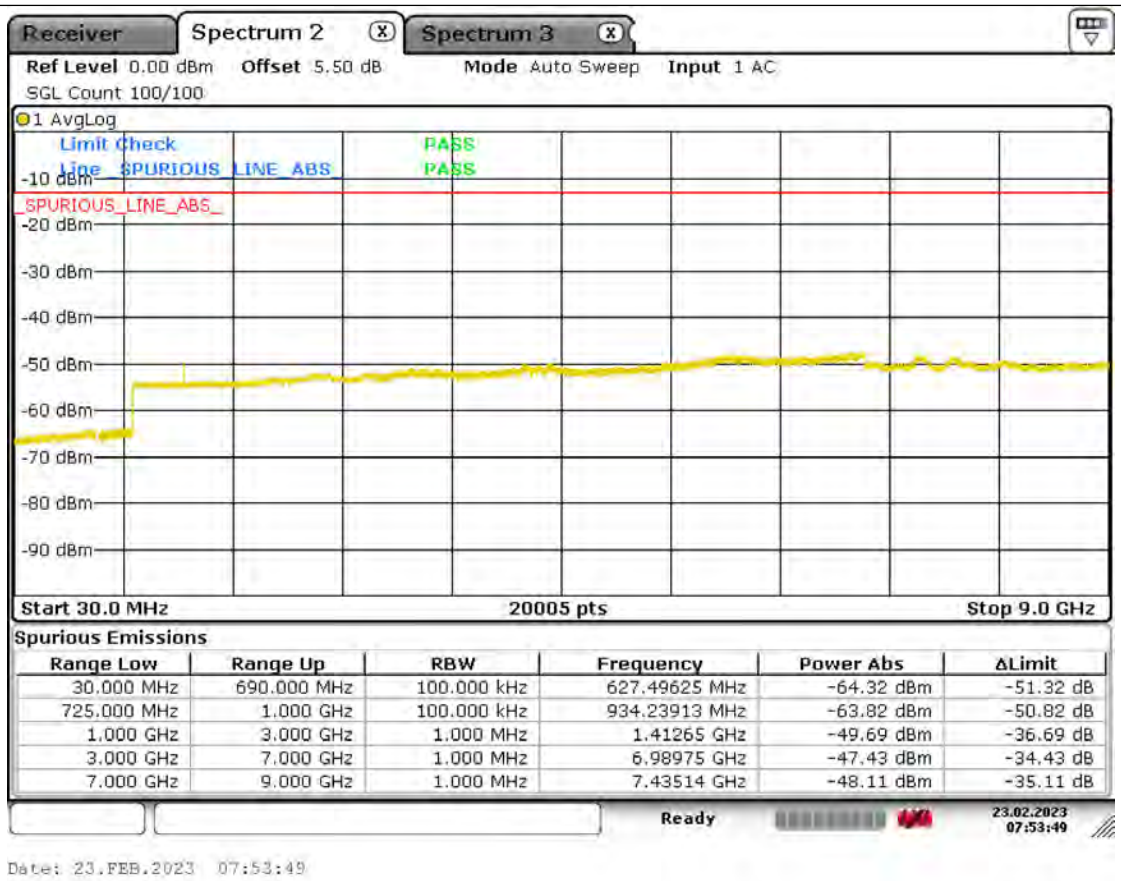
Band12-3MHz-64QAM-23025-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-64.28 dBm	-51.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	933.55197 MHz	-63.83 dBm	-50.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-48.21 dBm	-35.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-47.23 dBm	-34.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47363 GHz	-48.30 dBm	-35.30 dB

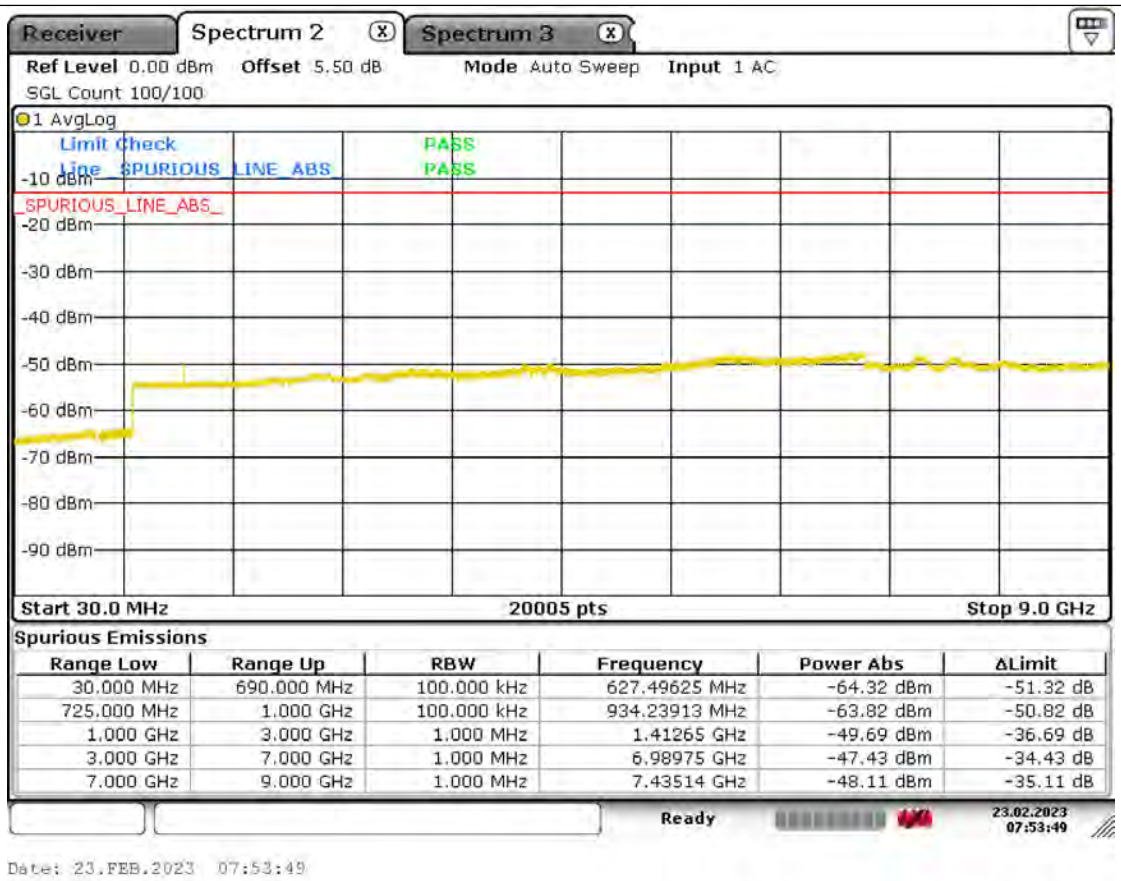
Band12-3MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.49625 MHz	-64.32 dBm	-51.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.23913 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-49.69 dBm	-36.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.43 dBm	-34.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43514 GHz	-48.11 dBm	-35.11 dB

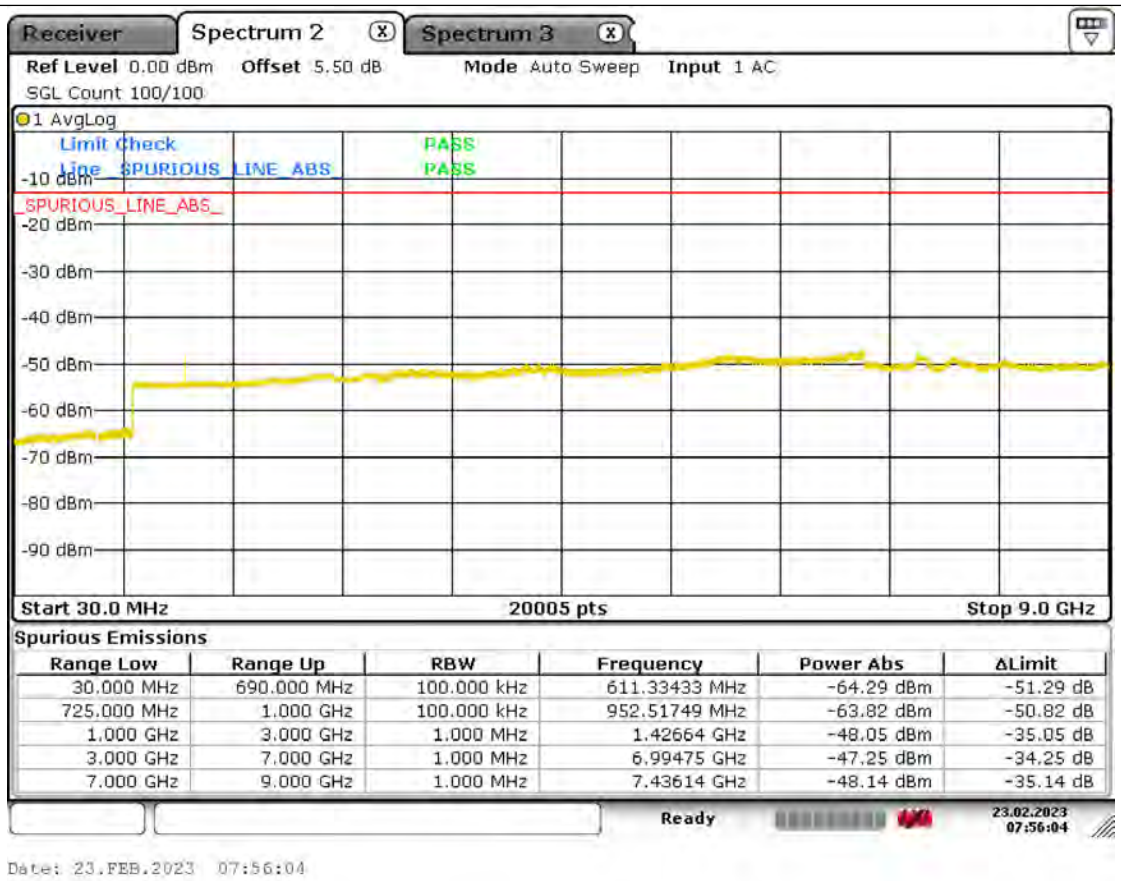
Band12-3MHz-64QAM-23095-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.49625 MHz	-64.32 dBm	-51.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.23913 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-49.69 dBm	-36.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.43 dBm	-34.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43514 GHz	-48.11 dBm	-35.11 dB

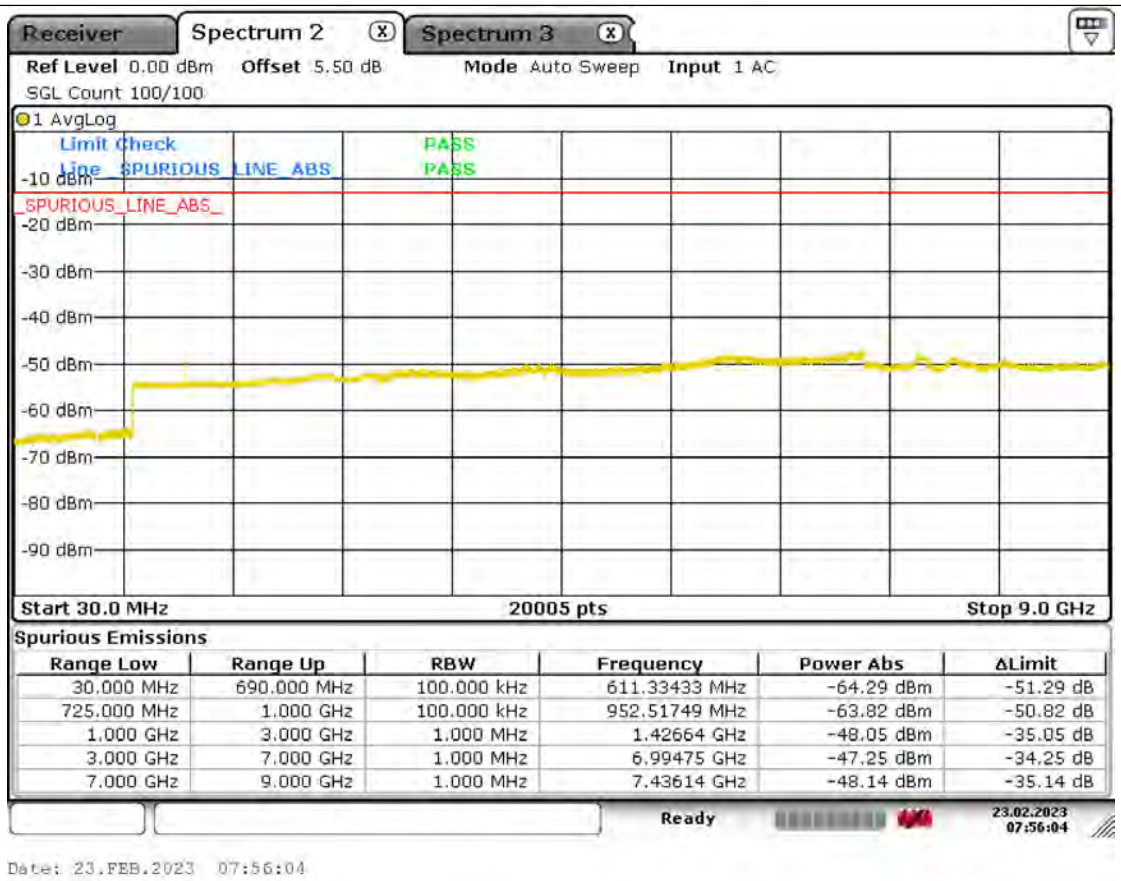
Band12-3MHz-64QAM-23165-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	611.33433 MHz	-64.29 dBm	-51.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.51749 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-48.05 dBm	-35.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43614 GHz	-48.14 dBm	-35.14 dB

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



Spurious Emissions

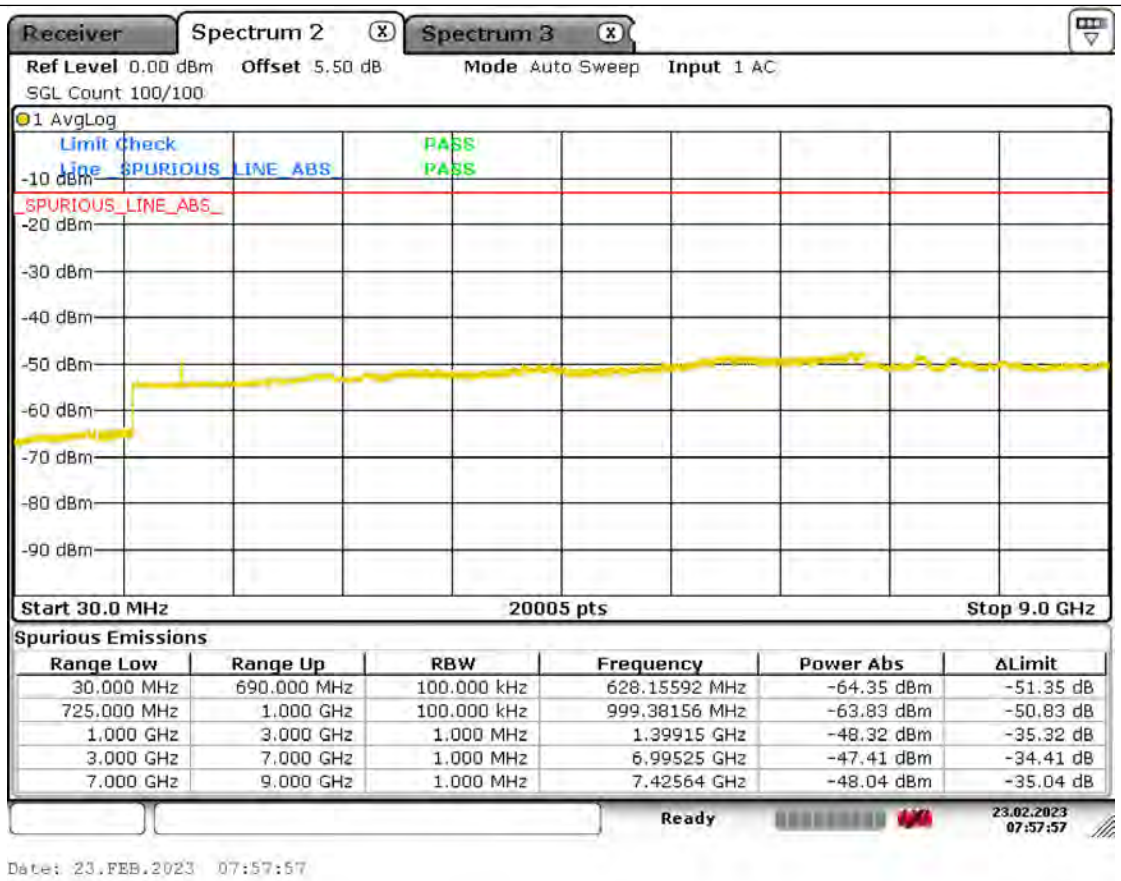
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	611.33433 MHz	-64.29 dBm	-51.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.51749 MHz	-63.82 dBm	-50.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-48.05 dBm	-35.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.25 dBm	-34.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43614 GHz	-48.14 dBm	-35.14 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	628.15592 MHz	-64.35 dBm	-51.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.38156 MHz	-63.83 dBm	-50.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.32 dBm	-35.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-47.41 dBm	-34.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42564 GHz	-48.04 dBm	-35.04 dB

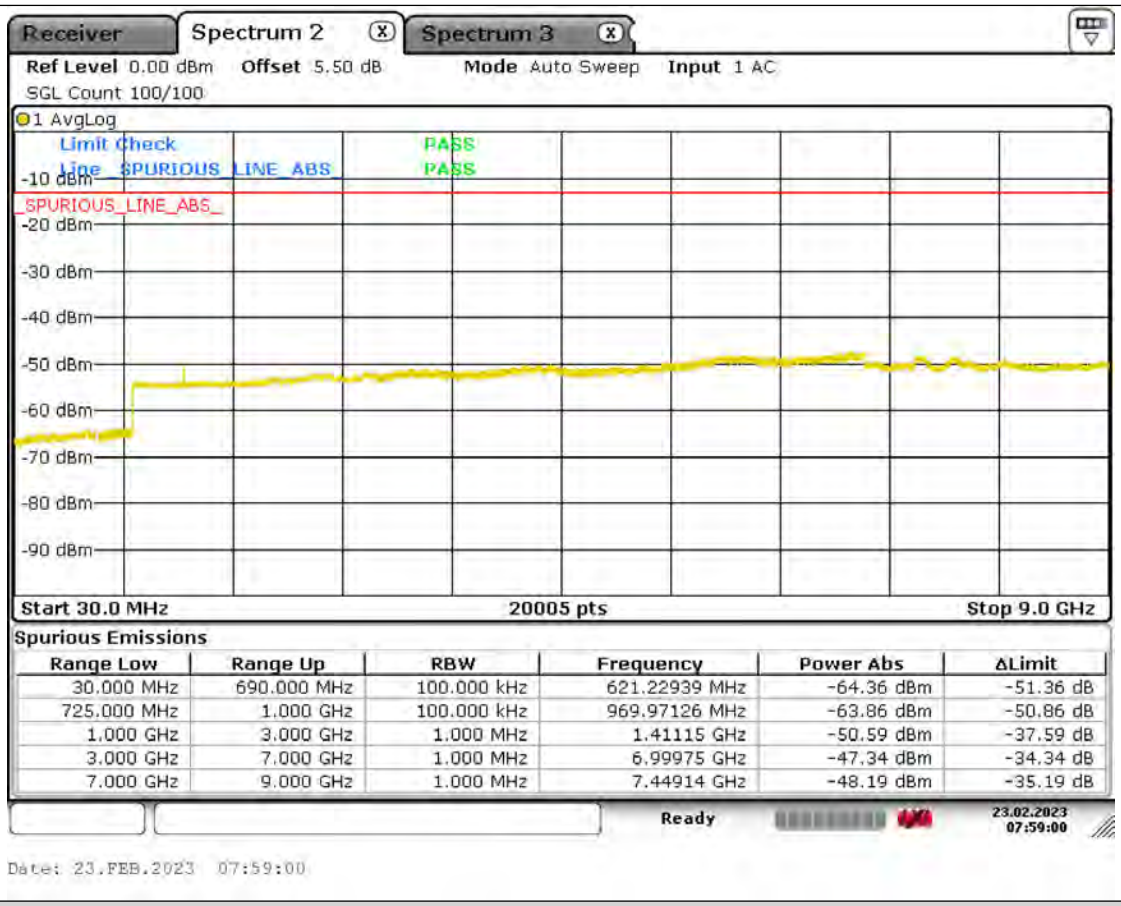
Band12-5MHz-64QAM-23035-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	628.15592 MHz	-64.35 dBm	-51.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.38156 MHz	-63.83 dBm	-50.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.32 dBm	-35.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-47.41 dBm	-34.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42564 GHz	-48.04 dBm	-35.04 dB

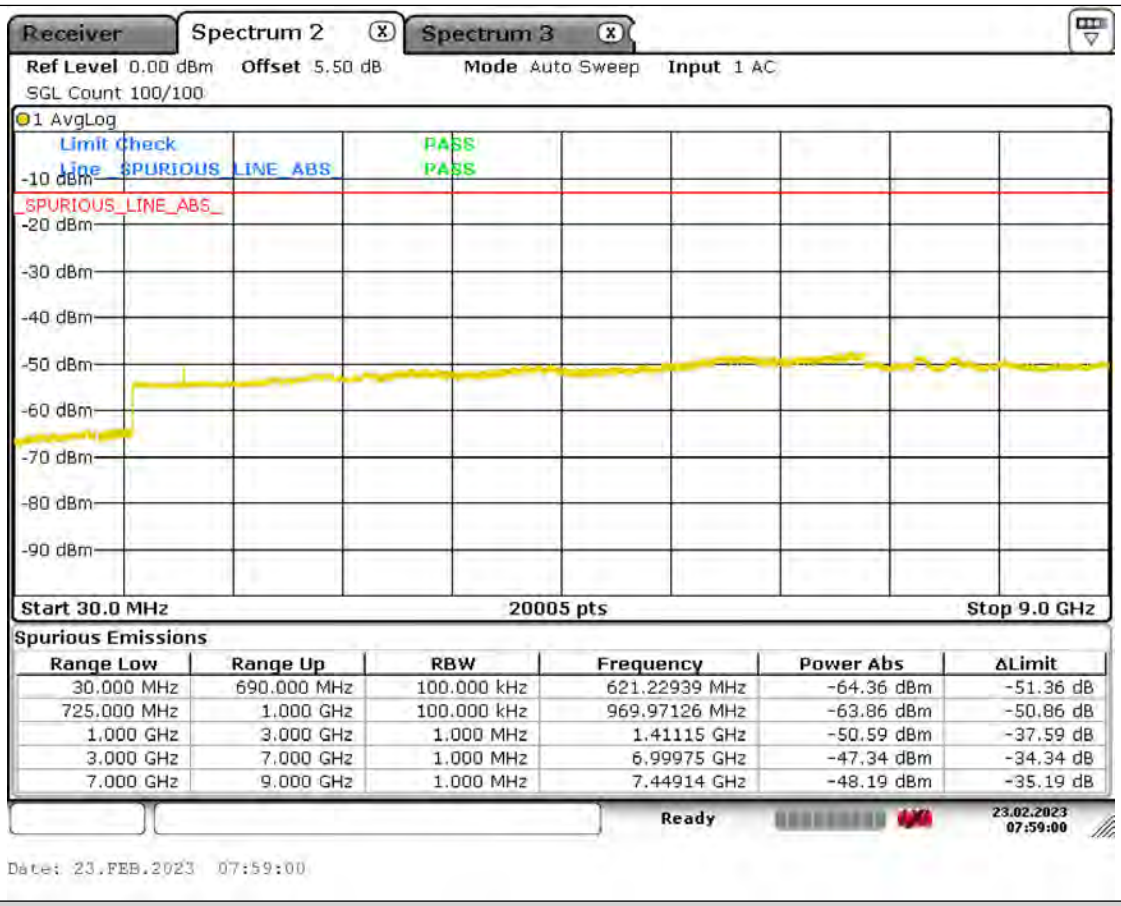
Band12-5MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.22939 MHz	-64.36 dBm	-51.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.97126 MHz	-63.86 dBm	-50.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-50.59 dBm	-37.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.34 dBm	-34.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44914 GHz	-48.19 dBm	-35.19 dB

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



Spurious Emissions

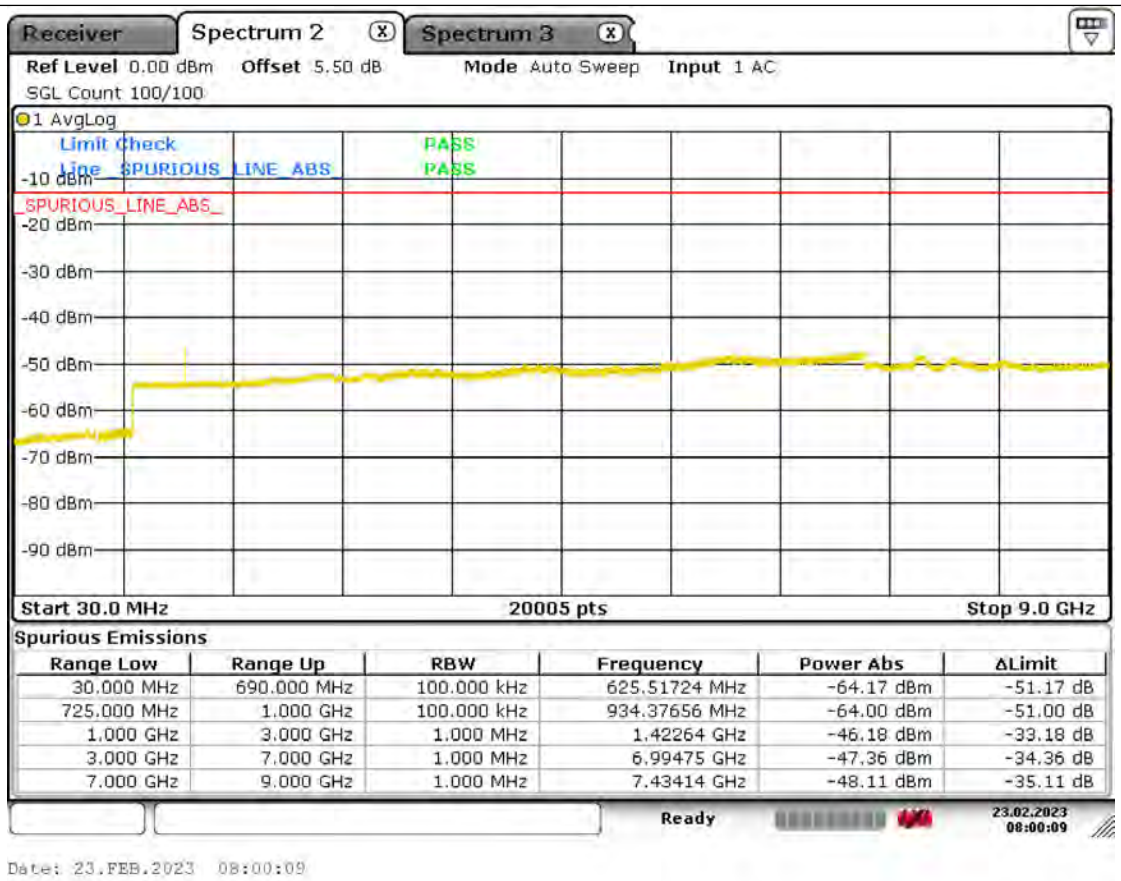
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.22939 MHz	-64.36 dBm	-51.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.97126 MHz	-63.86 dBm	-50.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-50.59 dBm	-37.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-47.34 dBm	-34.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44914 GHz	-48.19 dBm	-35.19 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	625.51724 MHz	-64.17 dBm	-51.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.37656 MHz	-64.00 dBm	-51.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42264 GHz	-46.18 dBm	-33.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.11 dBm	-35.11 dB

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



Spurious Emissions

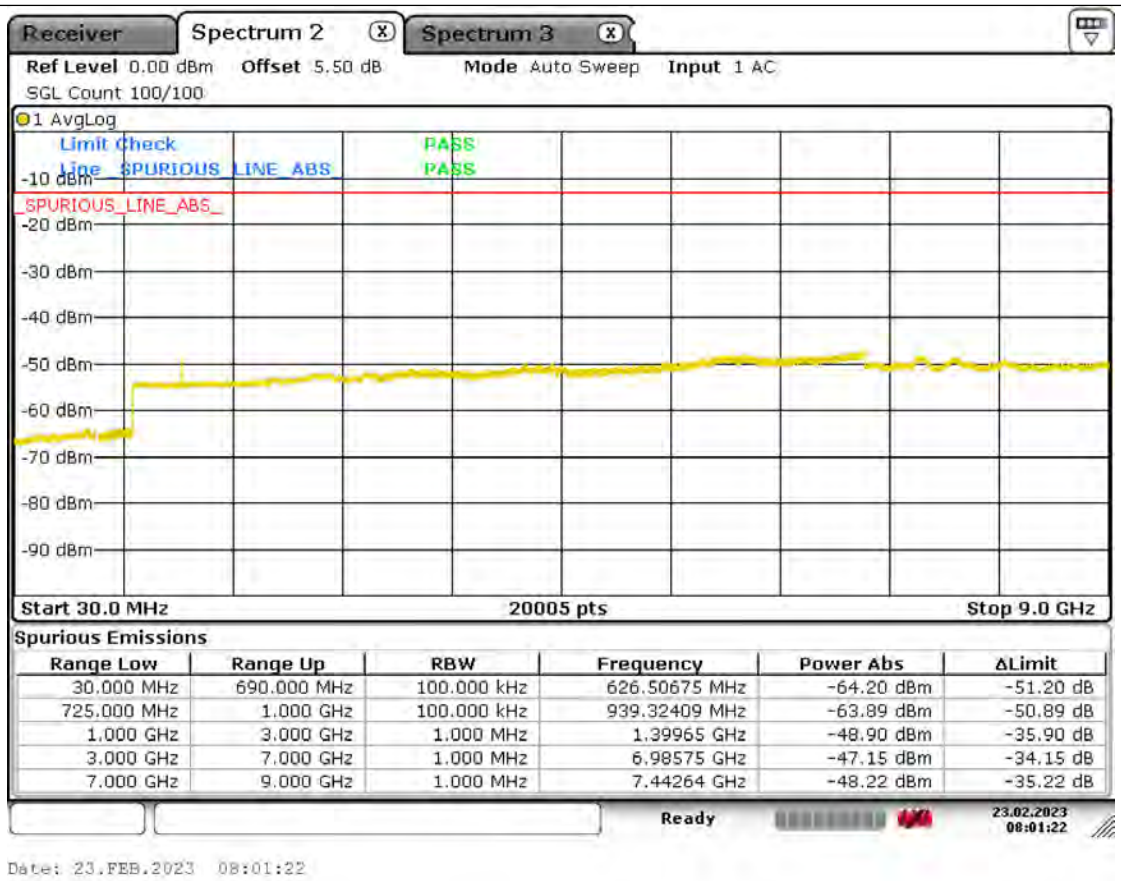
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.51724 MHz	-64.17 dBm	-51.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.37656 MHz	-64.00 dBm	-51.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42264 GHz	-46.18 dBm	-33.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-47.36 dBm	-34.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.11 dBm	-35.11 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	626.50675 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	939.32409 MHz	-63.89 dBm	-50.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-48.90 dBm	-35.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-47.15 dBm	-34.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44264 GHz	-48.22 dBm	-35.22 dB

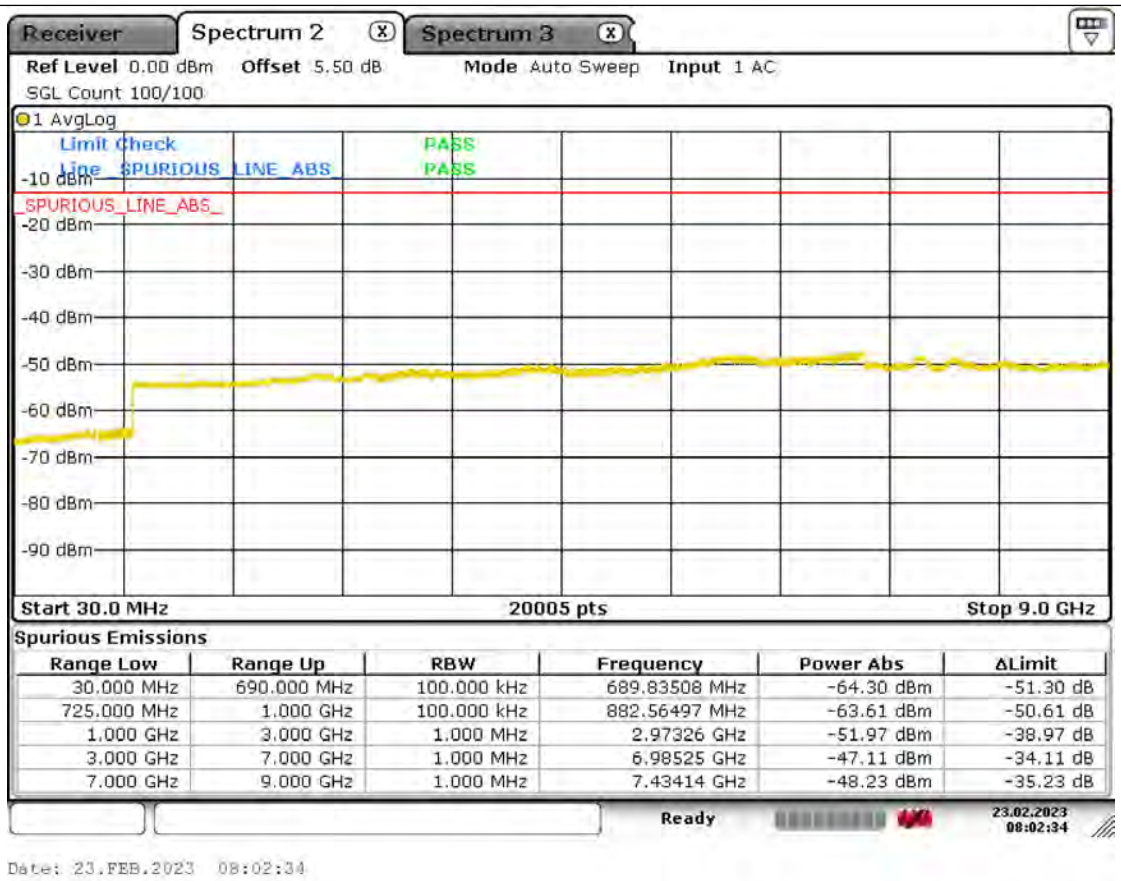
Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.50675 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	939.32409 MHz	-63.89 dBm	-50.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-48.90 dBm	-35.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-47.15 dBm	-34.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44264 GHz	-48.22 dBm	-35.22 dB

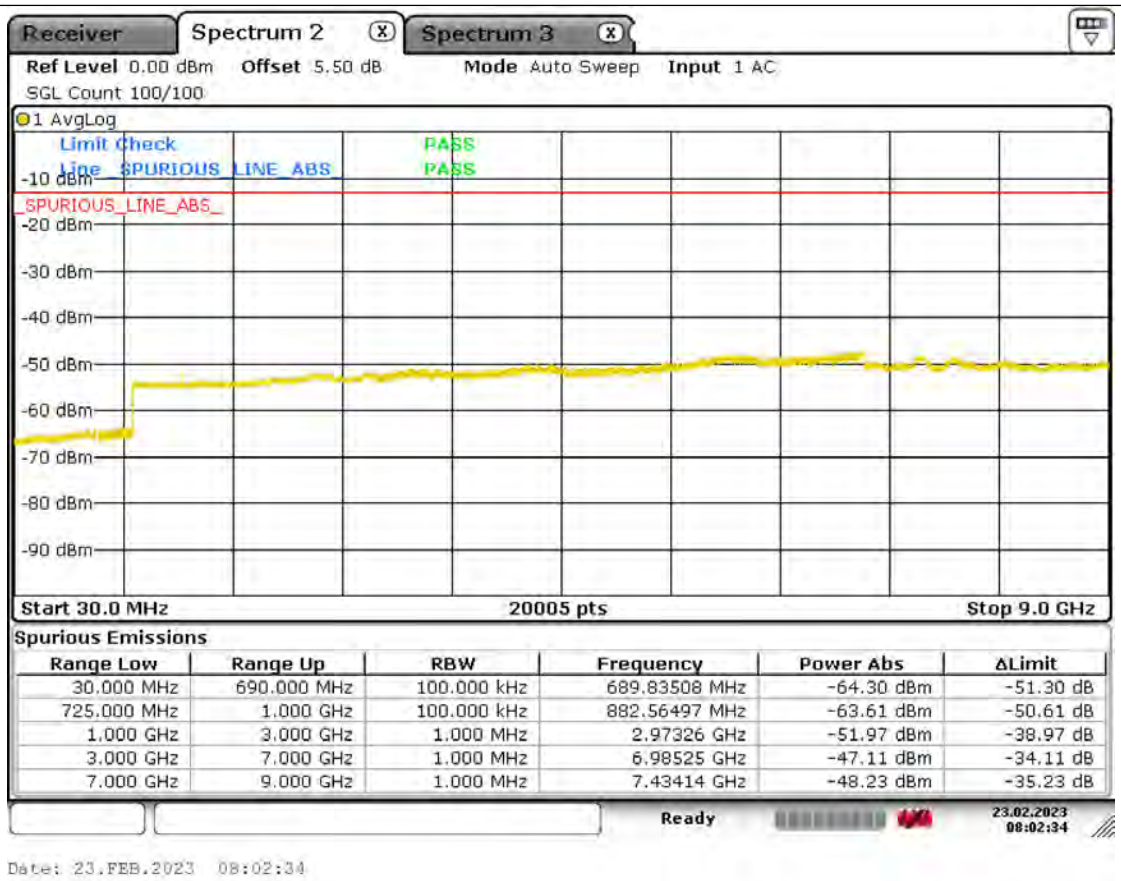
Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.30 dBm	-51.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	882.56497 MHz	-63.61 dBm	-50.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97326 GHz	-51.97 dBm	-38.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.11 dBm	-34.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.23 dBm	-35.23 dB

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



Spurious Emissions

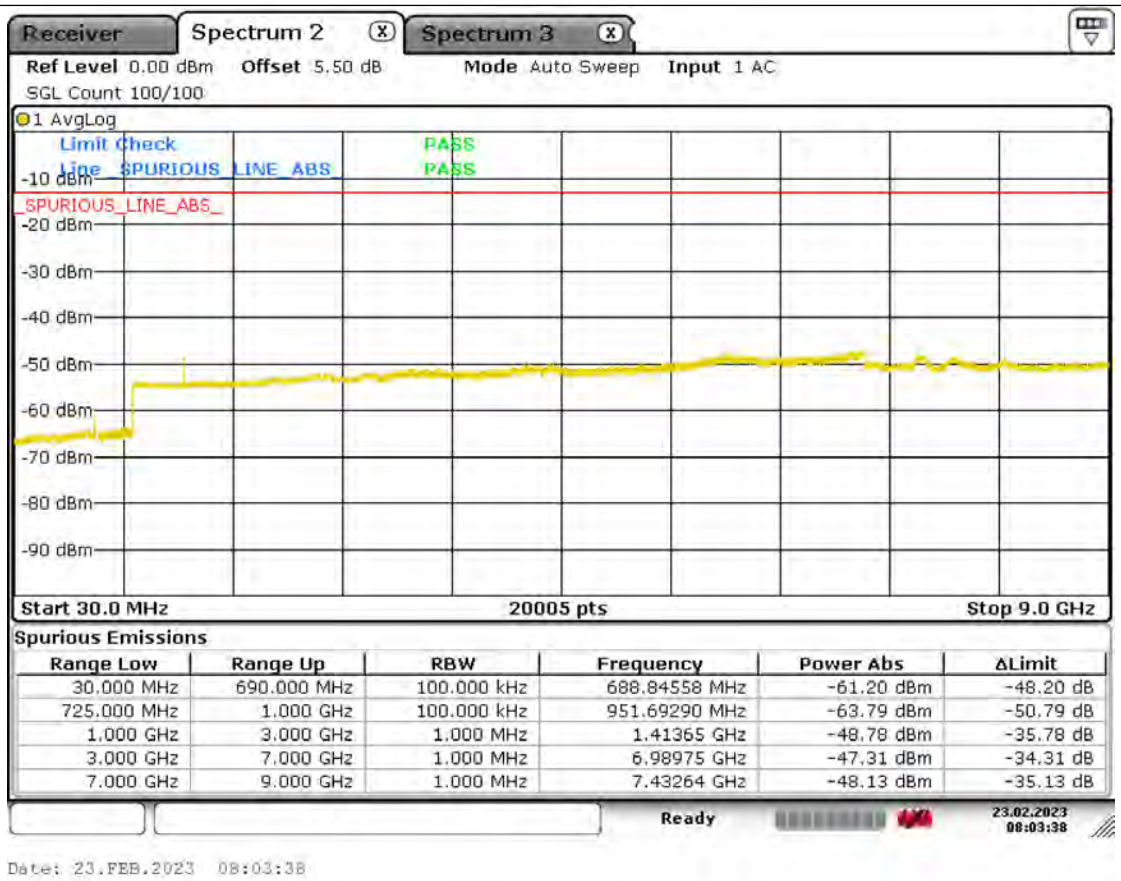
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-64.30 dBm	-51.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	882.56497 MHz	-63.61 dBm	-50.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97326 GHz	-51.97 dBm	-38.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-47.11 dBm	-34.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43414 GHz	-48.23 dBm	-35.23 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	688.84558 MHz	-61.20 dBm	-48.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.69290 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-48.78 dBm	-35.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43264 GHz	-48.13 dBm	-35.13 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	688.84558 MHz	-61.20 dBm	-48.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.69290 MHz	-63.79 dBm	-50.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-48.78 dBm	-35.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.31 dBm	-34.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43264 GHz	-48.13 dBm	-35.13 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	14.4	0.020455	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-4.1	-0.005824	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-12.9	-0.018233	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	5.7	0.008057	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-13.1	-0.018516	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-4.4	-0.006188	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-9.4	-0.013221	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-0.7	-0.000985	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-13.5	-0.019176	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	6.8	0.009659	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	14.1	0.020028	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-2.1	-0.002968	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	9.3	0.013145	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-8.3	-0.011731	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-9.2	-0.012940	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-11.7	-0.016456	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-14.3	-0.020113	±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	14.4	0.020455	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-4.1	-0.005824	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-12.9	-0.018233	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	5.7	0.008057	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	-13.1	-0.018516	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-4.4	-0.006188	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-9.4	-0.013221	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-0.7	-0.000985	±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	-5.9	-0.008381	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	-20	17.3	0.024574	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	0	-20.8	-0.029545	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	10	-19.7	-0.027983	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	20	6.8	0.009659	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	30	-6.6	-0.009375	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	40	-17.4	-0.024716	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	50	20.9	0.029688	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-30	-4.9	-0.006926	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-20	-8.4	-0.011873	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	0	-11	-0.015548	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	10	9.1	0.012862	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	20	-15.2	-0.021484	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	30	-0.7	-0.000989	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	40	23	0.032509	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	50	-12.3	-0.017385	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-30	-8.5	-0.011955	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-20	-8.7	-0.012236	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	0	-3.2	-0.004501	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	10	14.2	0.019972	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	20	-15.4	-0.021660	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	30	12.7	0.017862	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	40	-19.5	-0.027426	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	50	18.9	0.026582	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-30	-18.2	-0.025852	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-20	-12.5	-0.017756	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	0	7.9	0.011222	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	10	-1.4	-0.001989	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	20	-13	-0.018466	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	30	11.1	0.015767	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	40	4.5	0.006392	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	50	-23.3	-0.033097	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-30	6.3	0.008905	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-20	15.7	0.022191	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	0	8.6	0.012155	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	10	-21.7	-0.030671	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	20	19	0.026855	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	30	-20.7	-0.029258	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	40	-16.6	-0.023463	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	50	10.5	0.014841	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-30	-23.3	-0.032771	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-20	-7.2	-0.010127	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	0	-16.5	-0.023207	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	10	-11.8	-0.016596	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	20	-5.7	-0.008017	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	30	-12.6	-0.017722	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	40	2.8	0.003938	±2.5	PASS

Band12	10MHz	16QAM	711	50RB#0	NV	50	11.4	0.016034	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	-30	13.14	0.018665	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	-20	6.5	0.009233	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	0	18.6	0.026420	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	10	-16.5	-0.023438	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	20	15.4	0.021875	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	30	-18.9	-0.026847	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	40	-6	-0.008523	±2.5	PASS
Band12	10MHz	64QAM	704	50RB#0	NV	50	13.1	0.018608	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	-30	22.4	0.031661	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	-20	-16.4	-0.023180	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	0	-16.4	-0.023180	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	10	-14	-0.019788	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	20	11.5	0.016254	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	30	-17.6	-0.024876	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	40	0.4	0.000565	±2.5	PASS
Band12	10MHz	64QAM	707.5	50RB#0	NV	50	15.5	0.021908	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	-30	-0.1	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	-20	1.4	0.001969	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	0	-12.7	-0.017862	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	10	5	0.007032	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	20	-7	-0.009845	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	30	-7.4	-0.010408	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	40	-6.9	-0.009705	±2.5	PASS
Band12	10MHz	64QAM	711	50RB#0	NV	50	-21.5	-0.030239	±2.5	PASS

LTE BAND13

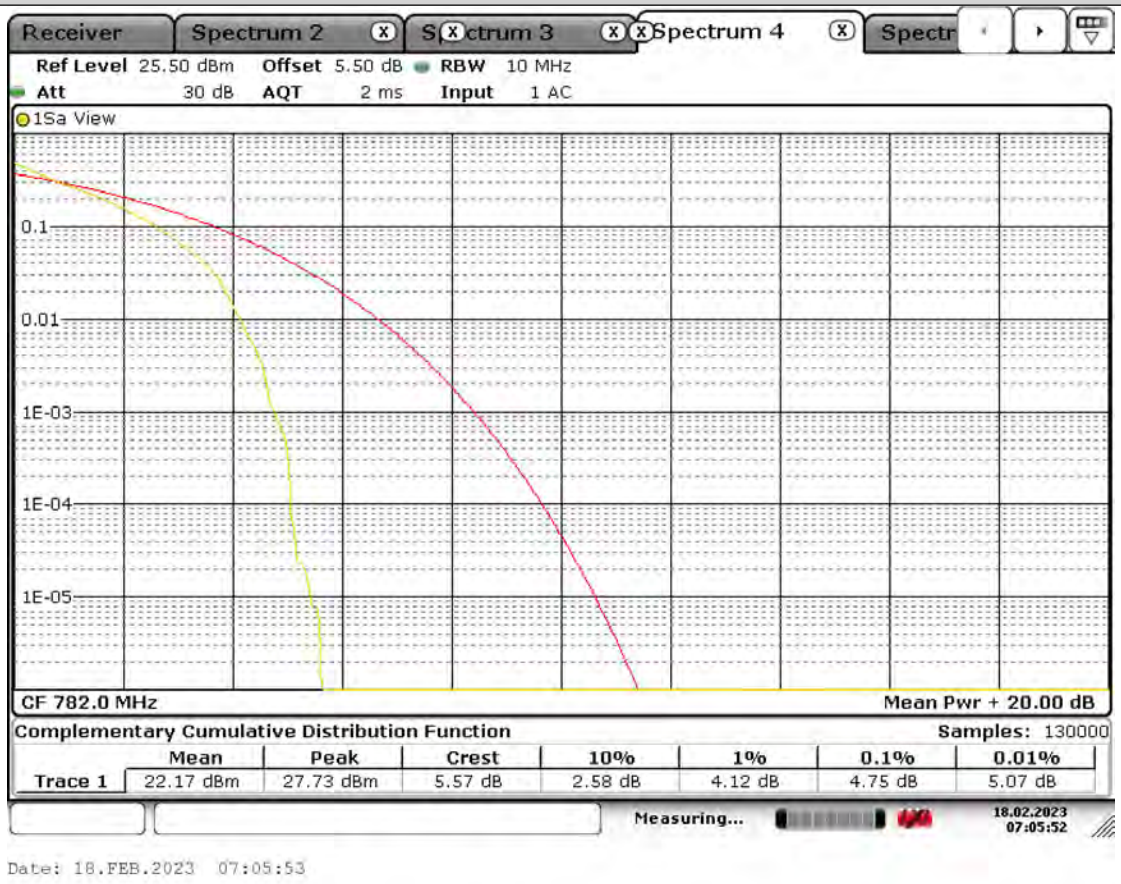
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

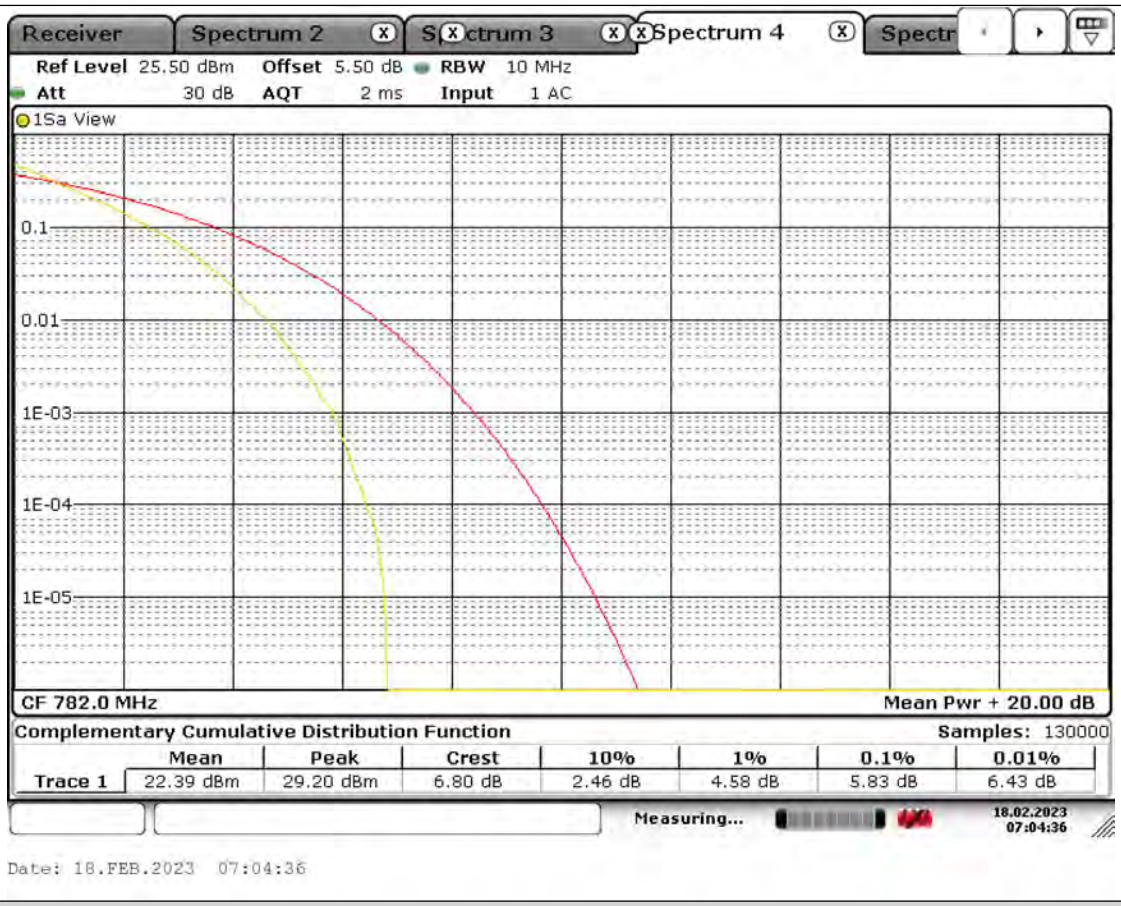
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.75	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.83	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	6.14	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.43	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	6.75	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.81	13	PASS

Test Graphs

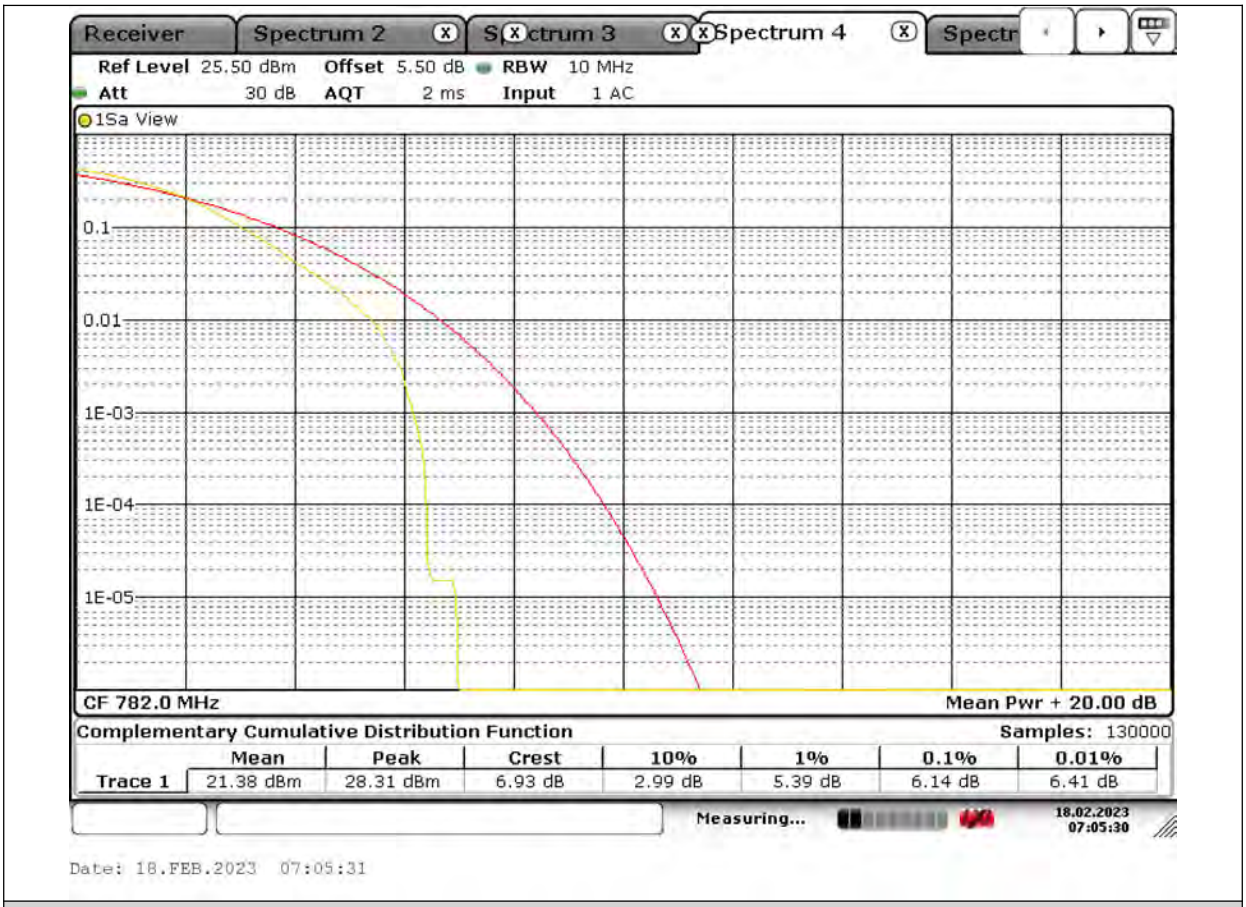
Band13-10MHz-QPSK-23230-1RB#0



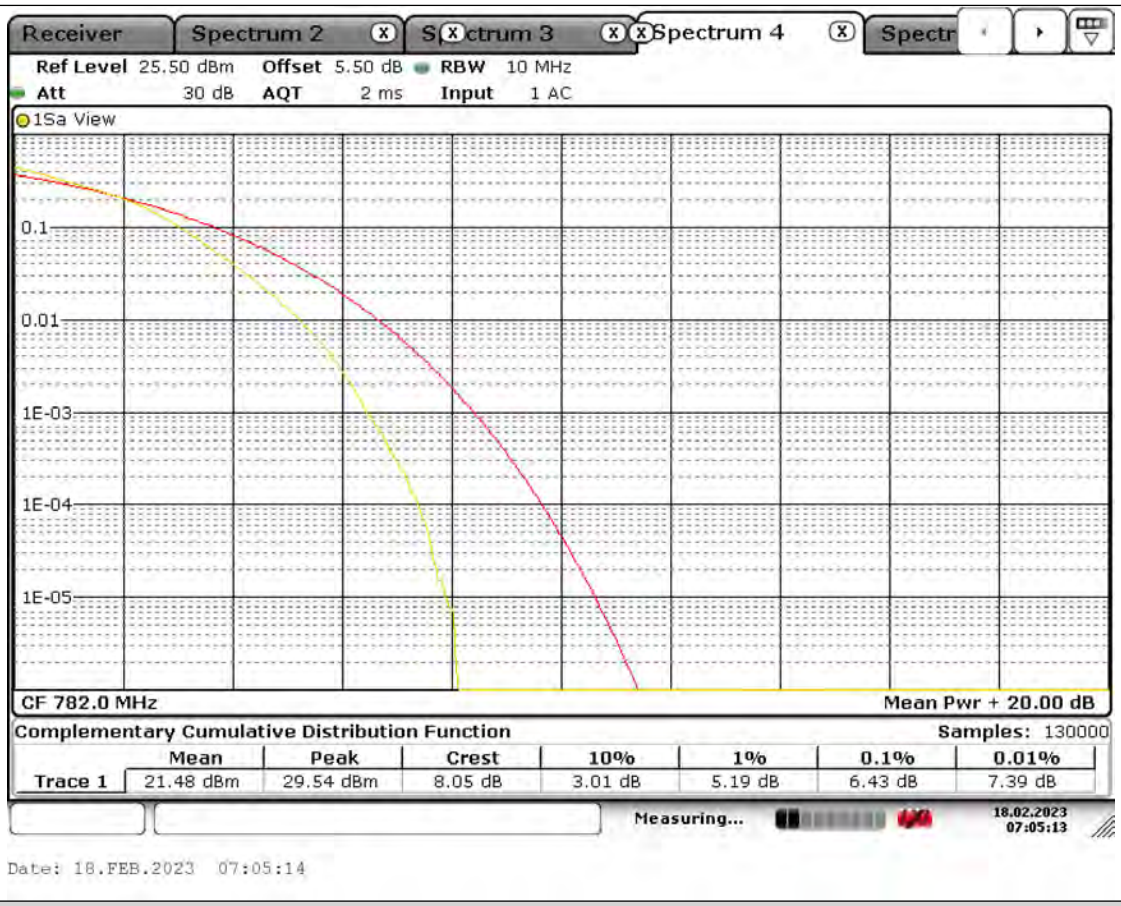
Band13-10MHz-QPSK-23230-50RB#0



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

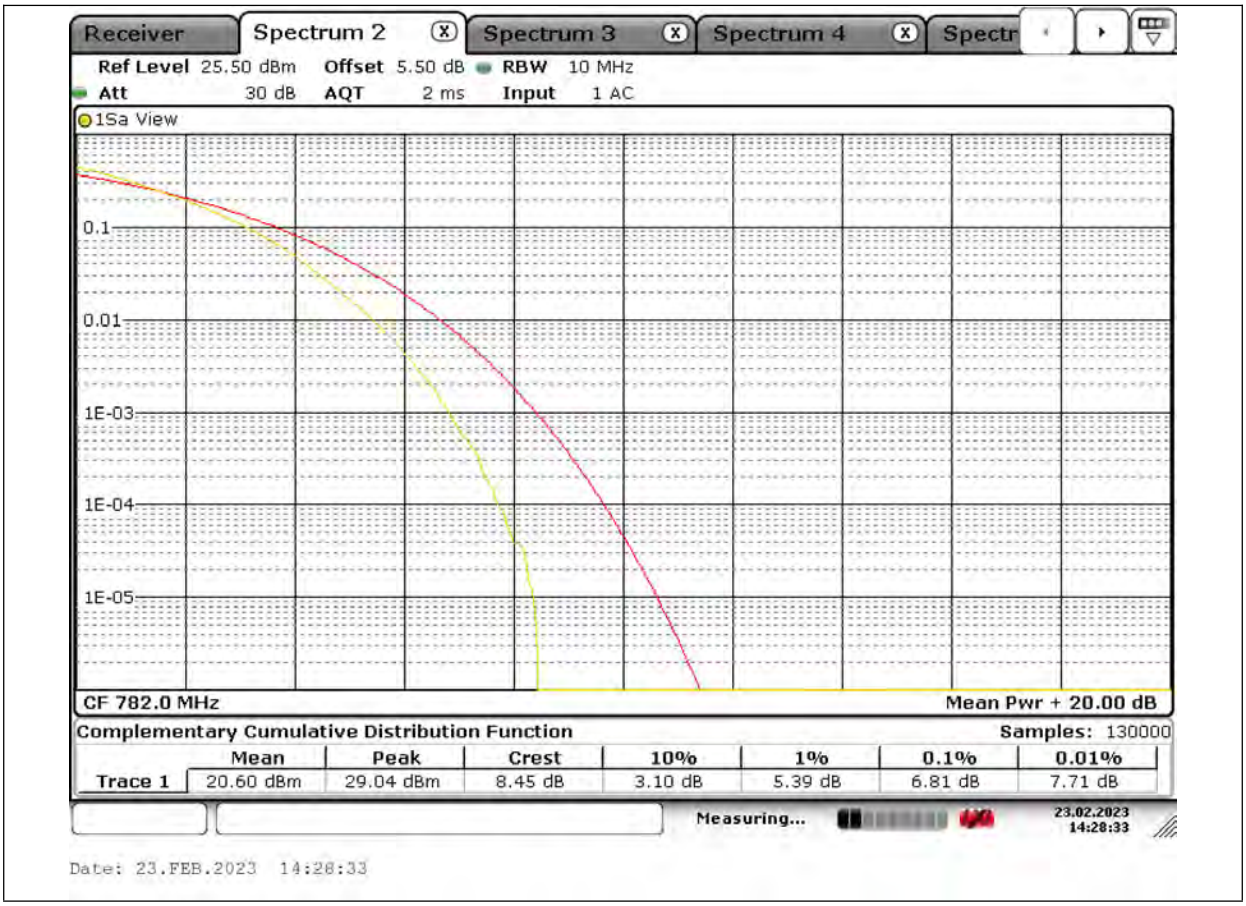


Band13-10MHz-16QAM-23230-50RB#0



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

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


Receiver
Spectrum 2
Spectrum 3
Spectrum 4
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 20.60 dBm 29.04 dBm 8.45 dB 3.10 dB 5.39 dB 6.81 dB 7.71 dB
Measuring...
23.02.2023
14:28:33
Date: 23.FEB.2023 14:28:33

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

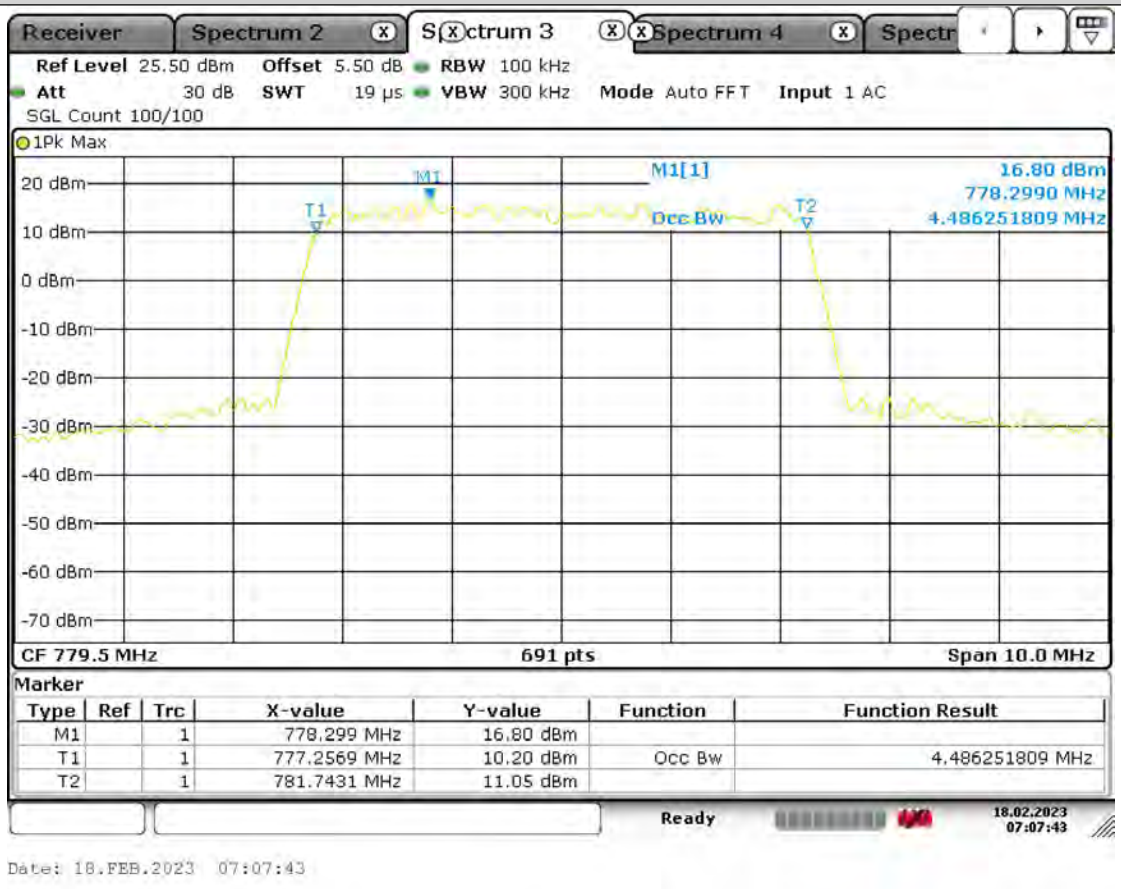
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.486	4.935	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.501	4.964	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.472	4.949	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.486	4.949	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.486	4.891	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.486	4.891	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.03	9.725	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.030	9.870	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	4.501	4.935	PASS
Band13	10MHz	64QAM	23230	50RB#0	9.001	9.899	PASS

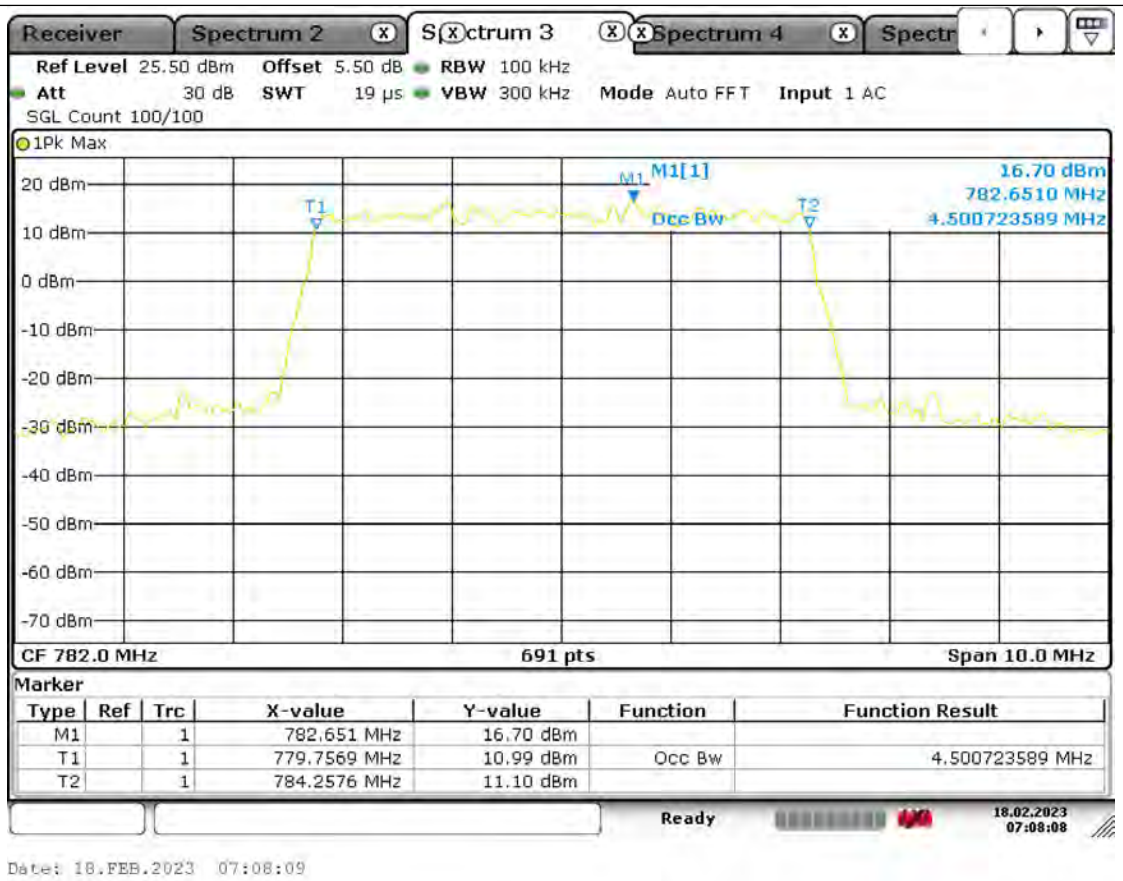
Test Graphs

Occupied Bandwidth

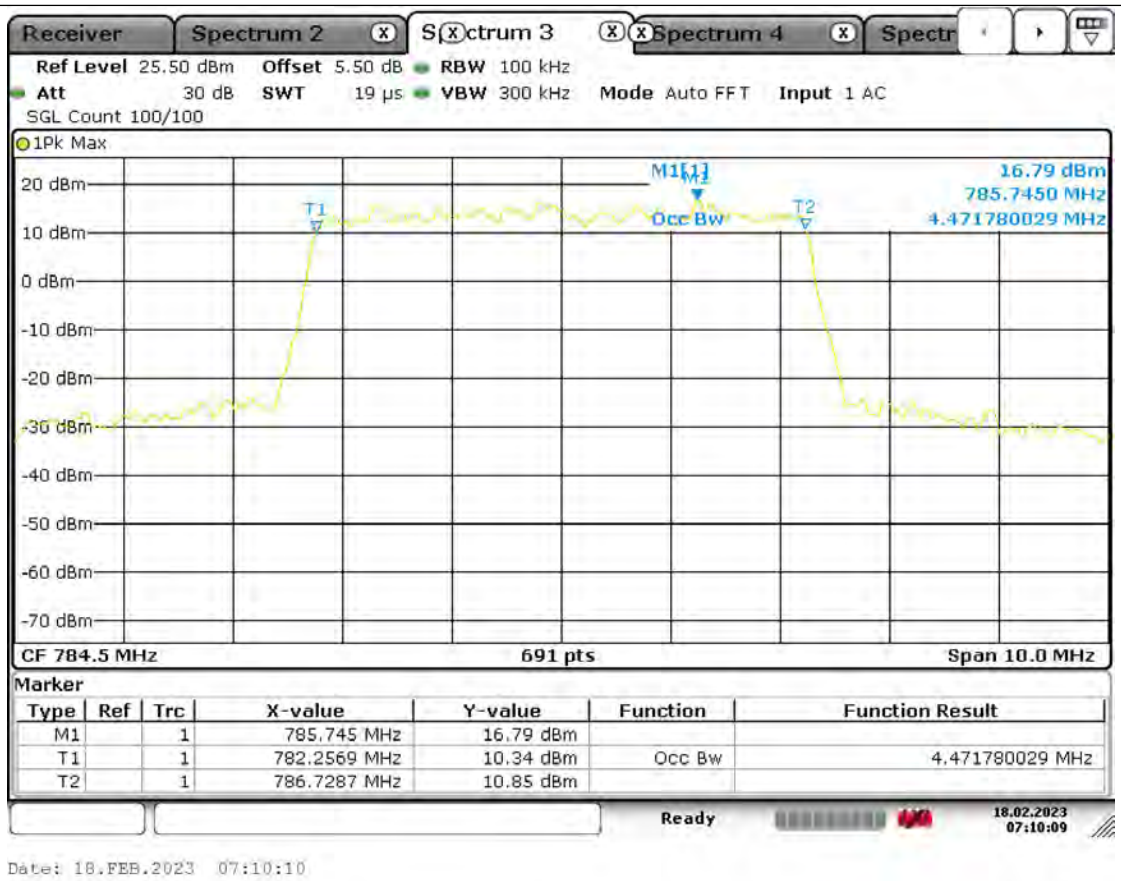
Band13-5MHz-QPSK-23205-25RB#0



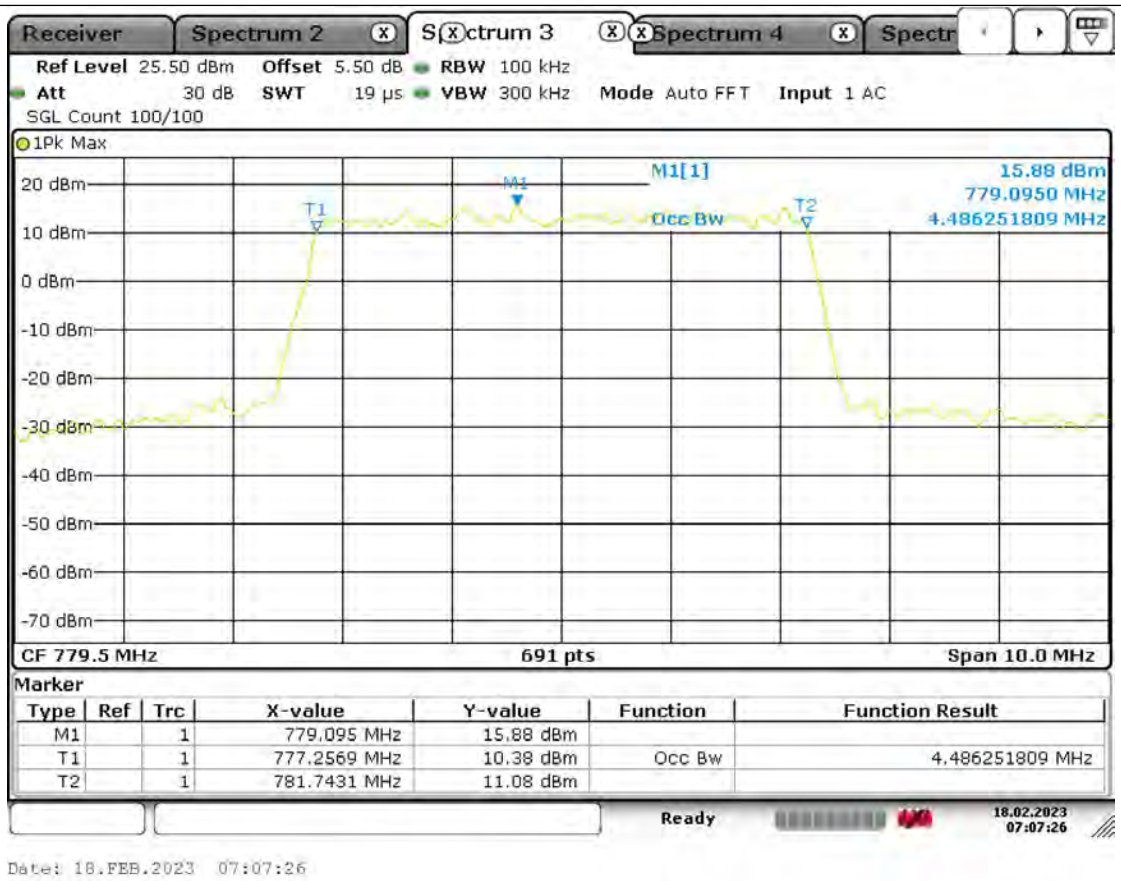
Band13-5MHz-QPSK-23230-25RB#0



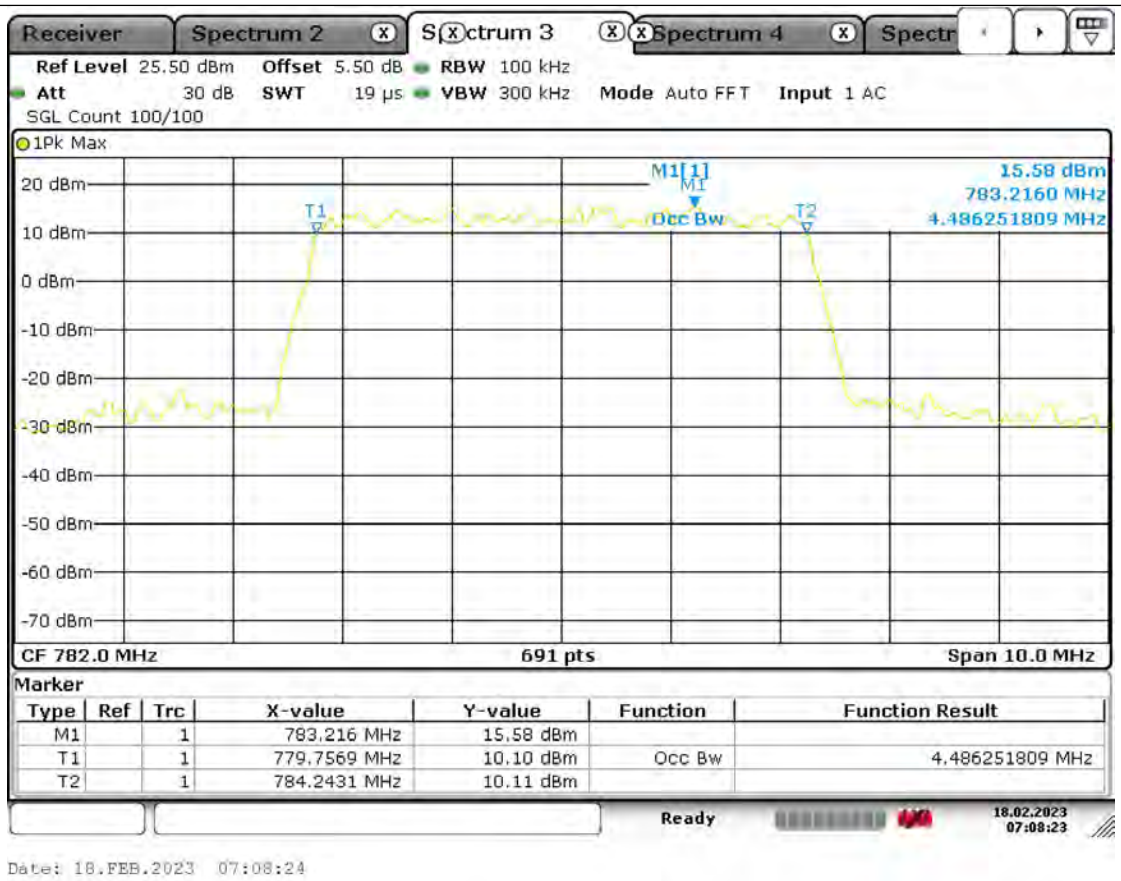
Band13-5MHz-QPSK-23255-25RB#0



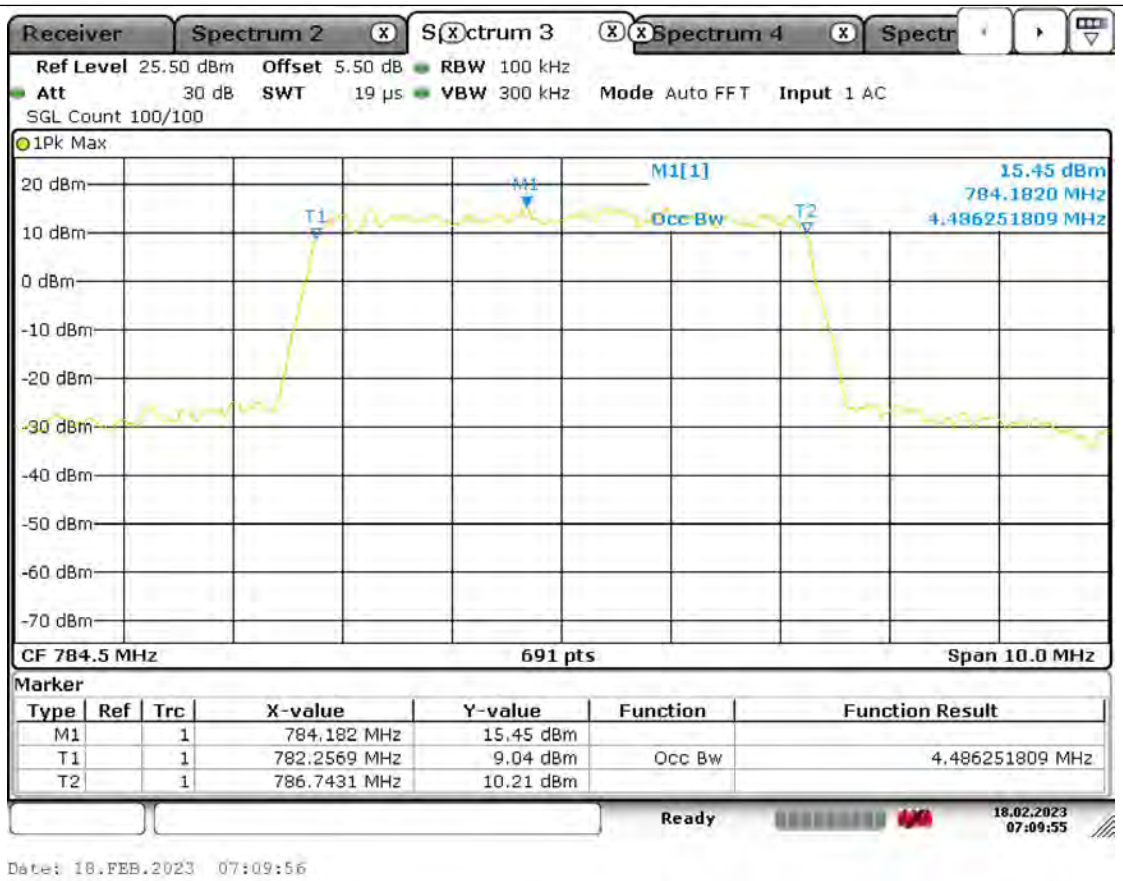
Band13-5MHz-16QAM-23205-25RB#0



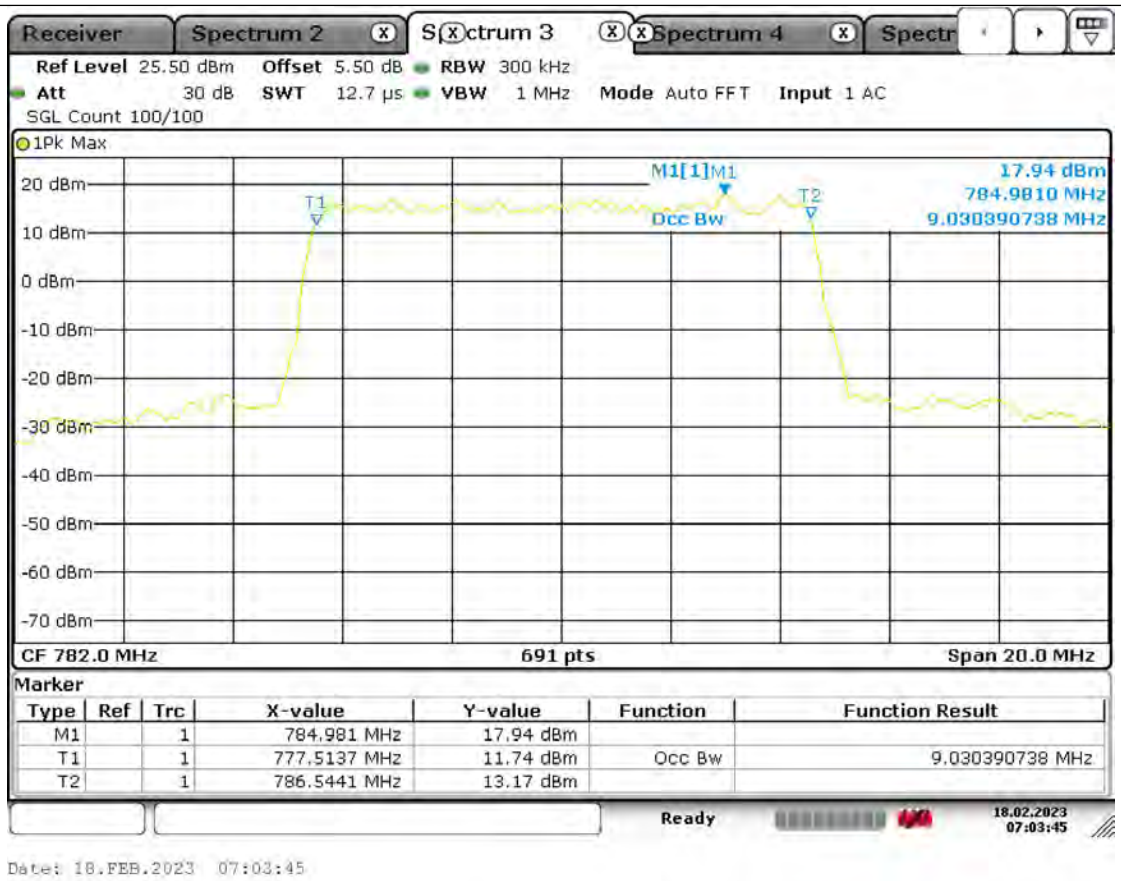
Band13-5MHz-16QAM-23230-25RB#0



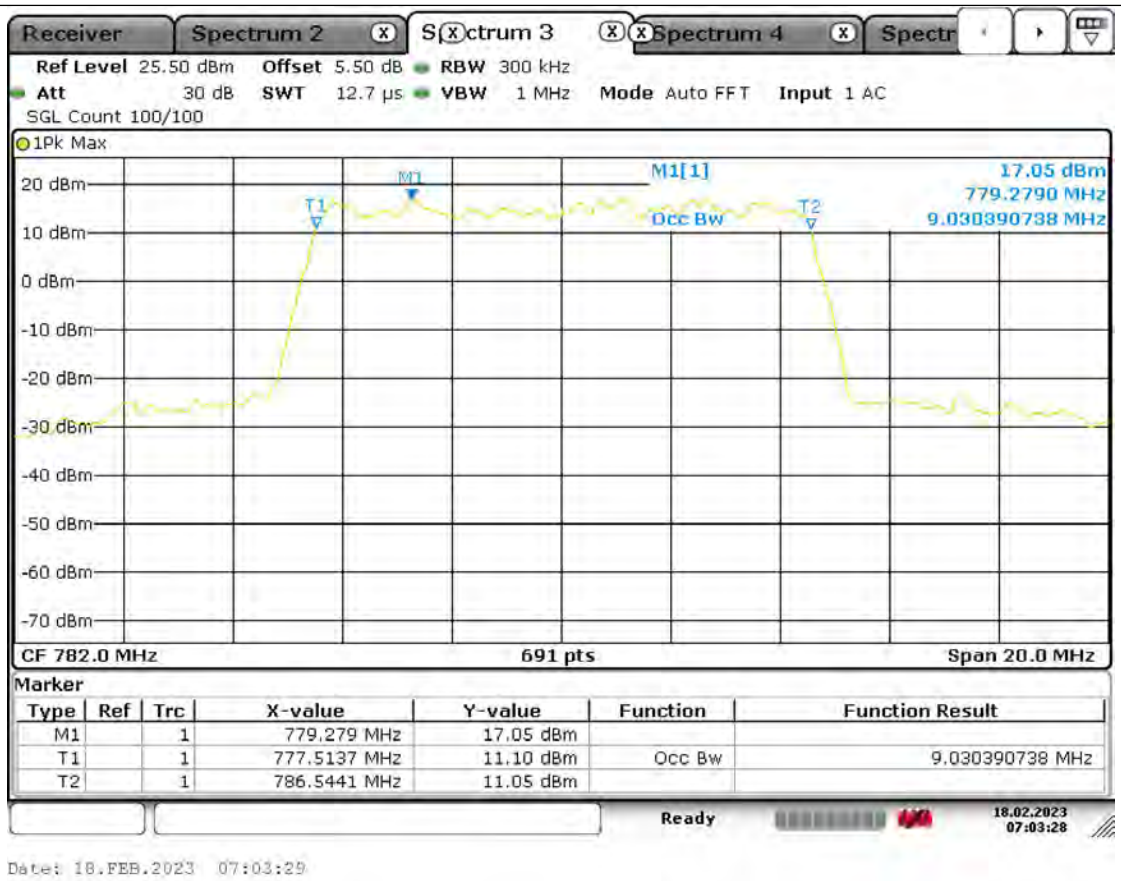
Band13-5MHz-16QAM-23255-25RB#0



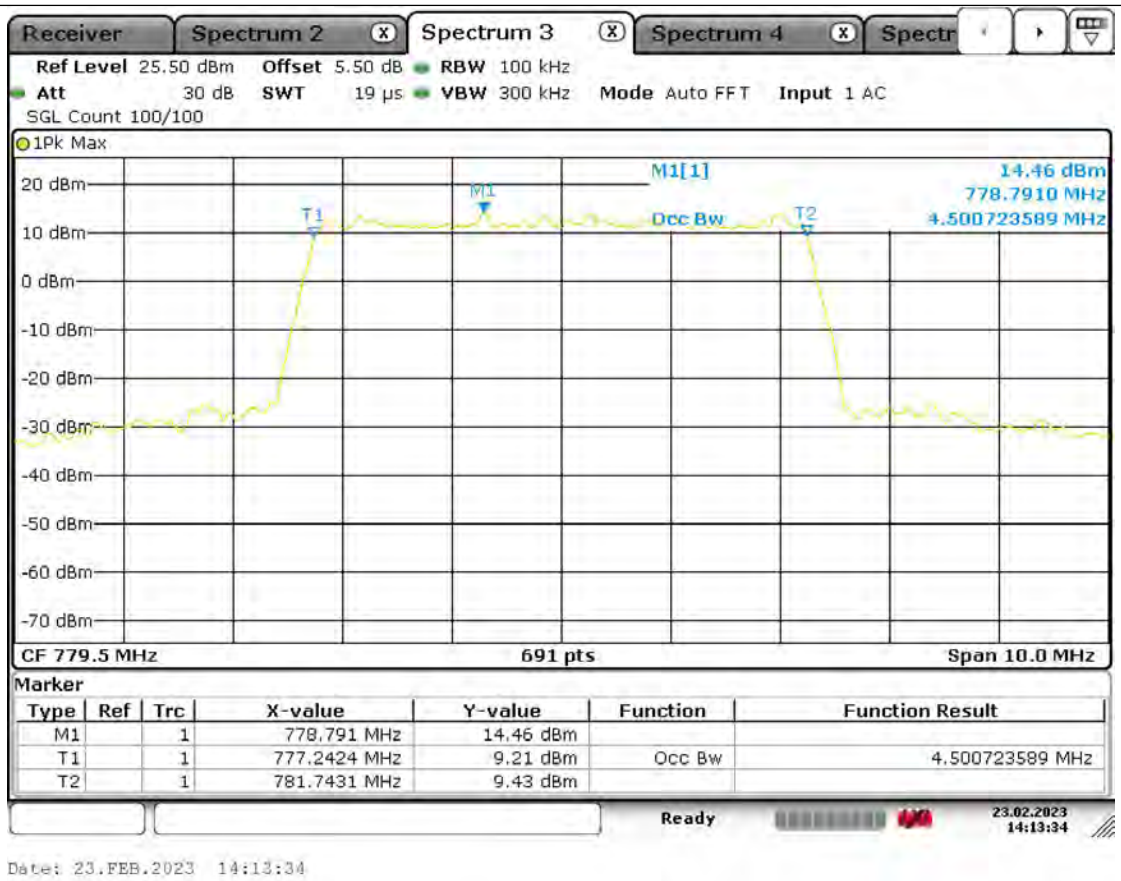
Band13-10MHz-QPSK-23230-50RB#0



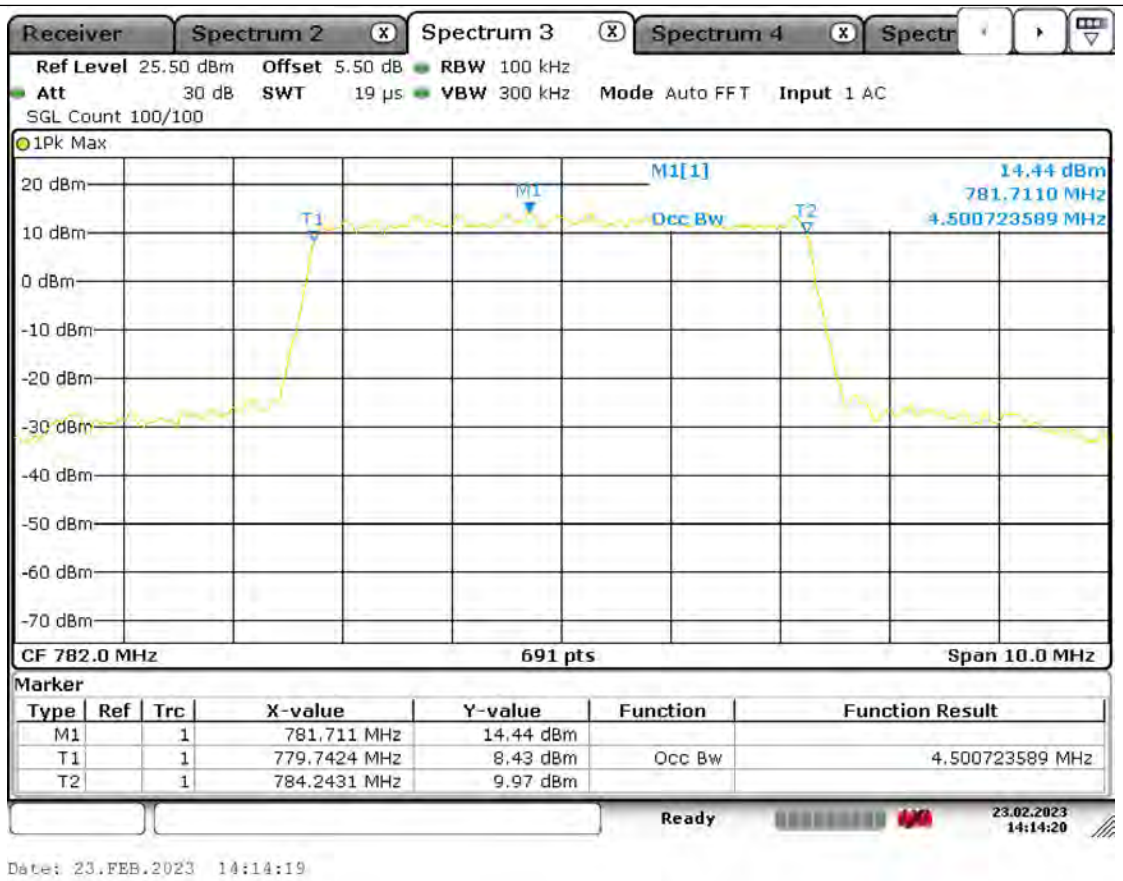
Band13-10MHz-16QAM-23230-50RB#0



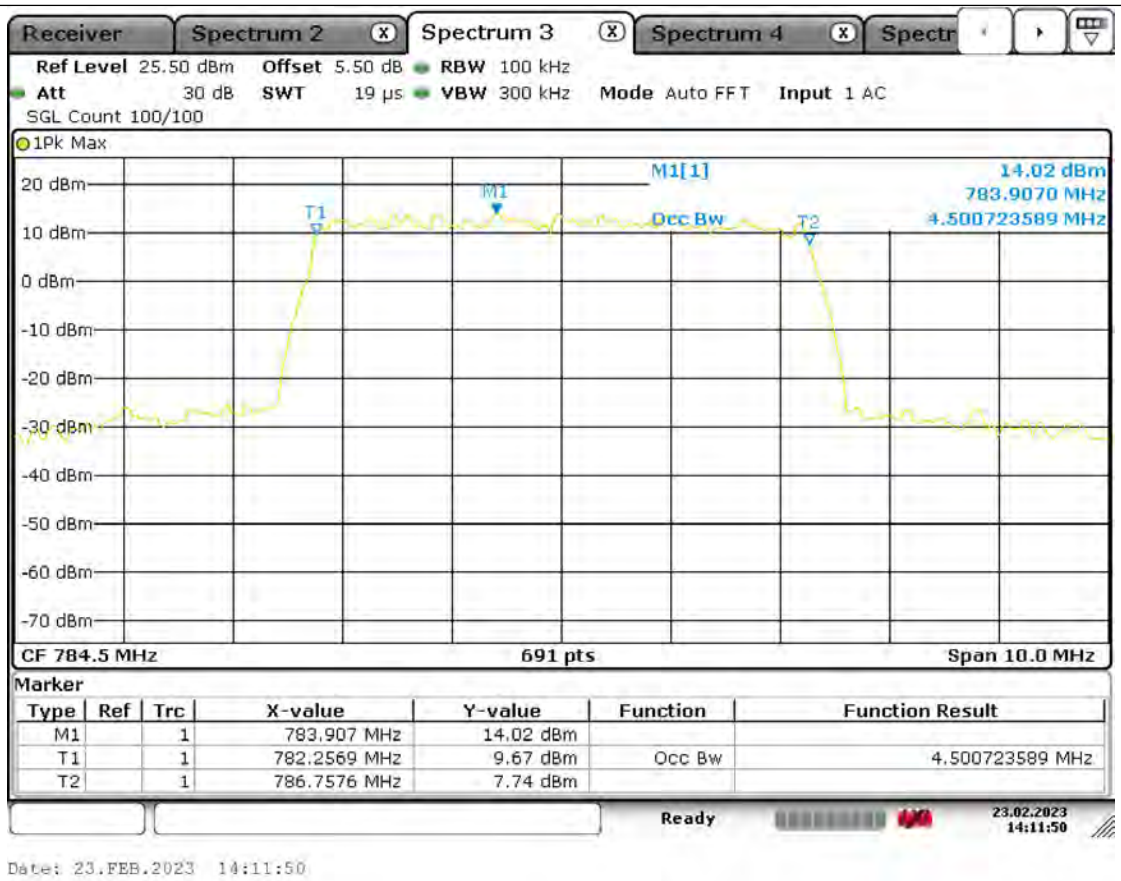
Band13-5MHz-64QAM-23205-25RB#0



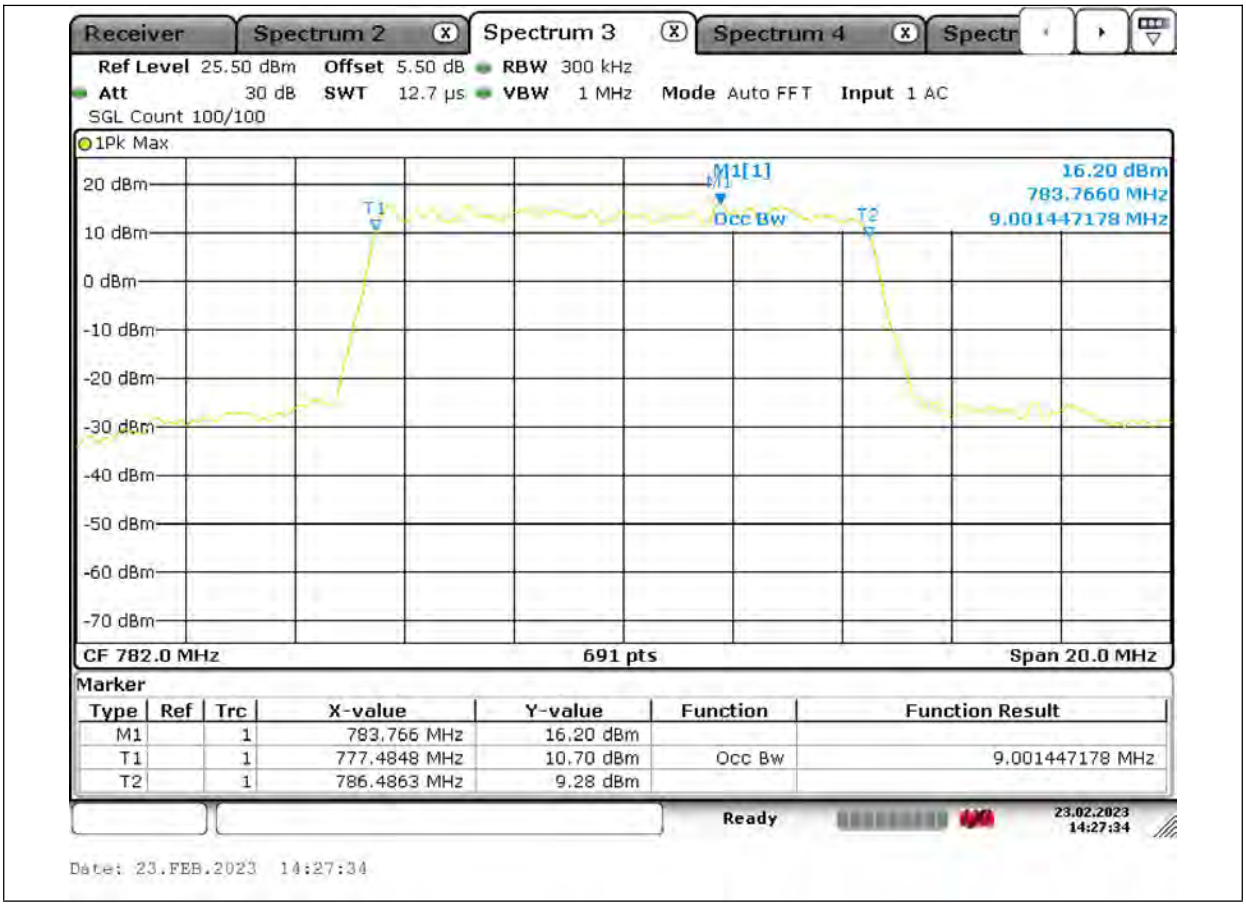
Band13-5MHz-64QAM-23230-25RB#0



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

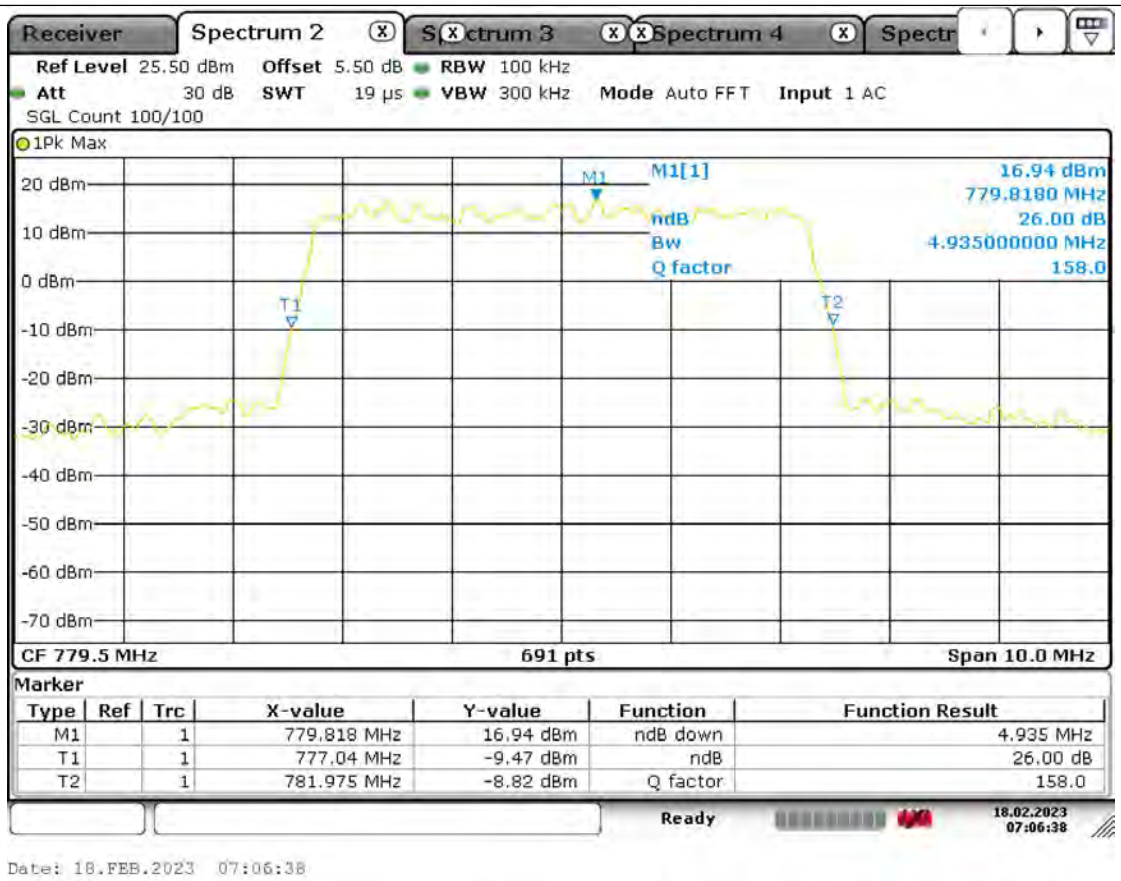


Band13-10MHz-64QAM-23230-50RB#0

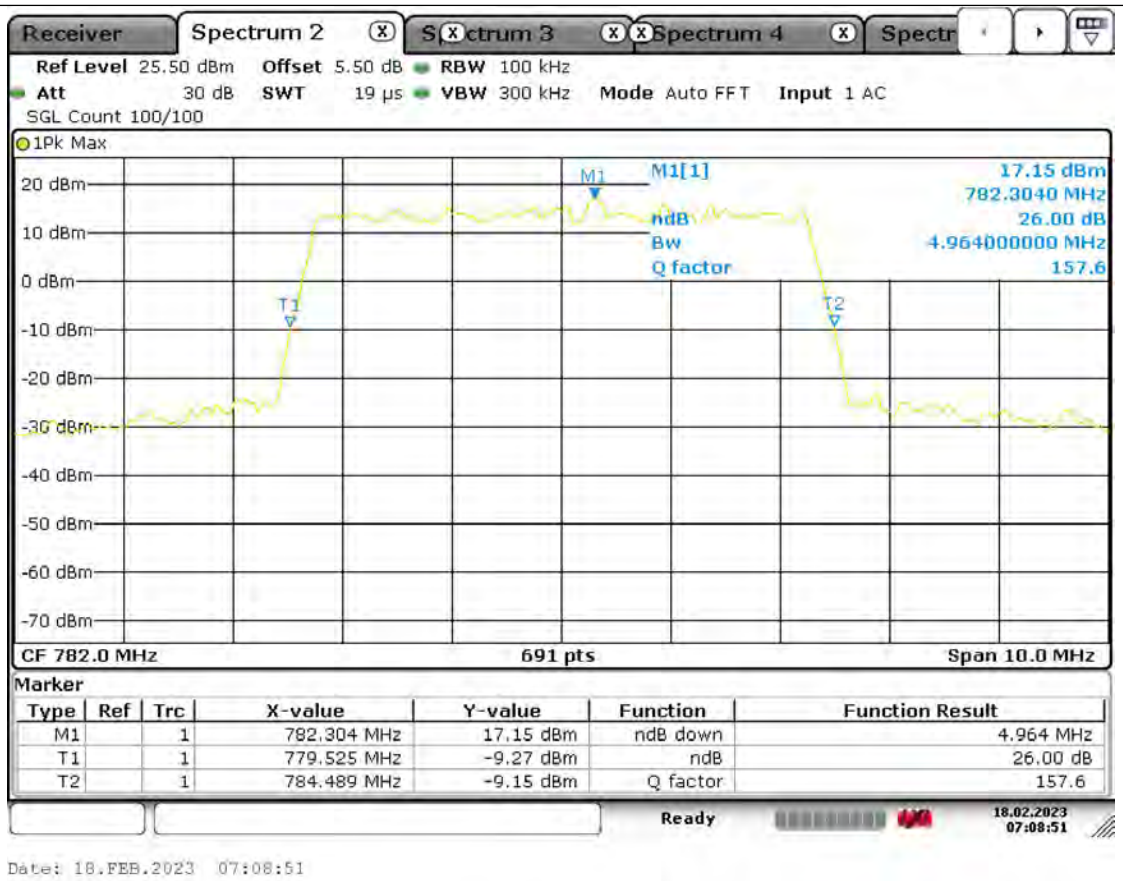


26dB Bandwidth

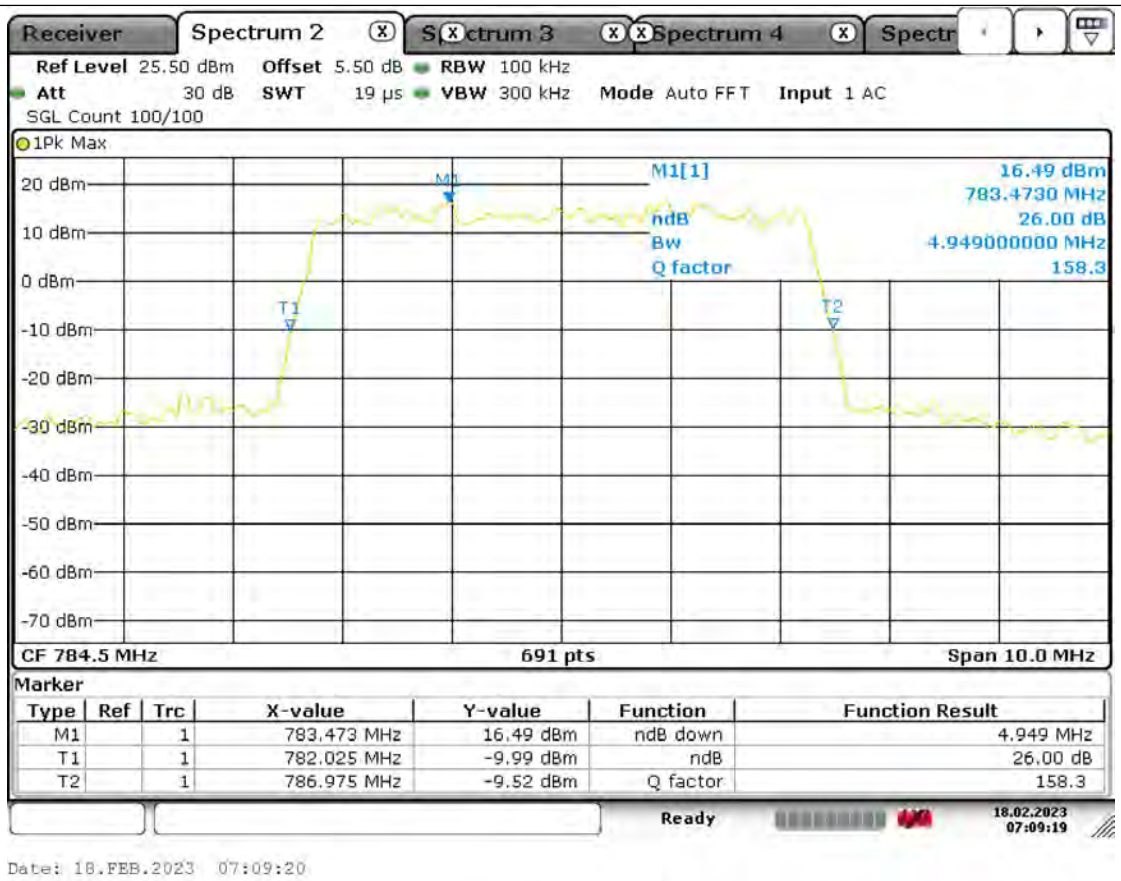
Band13-5MHz-QPSK-23205-25RB#0



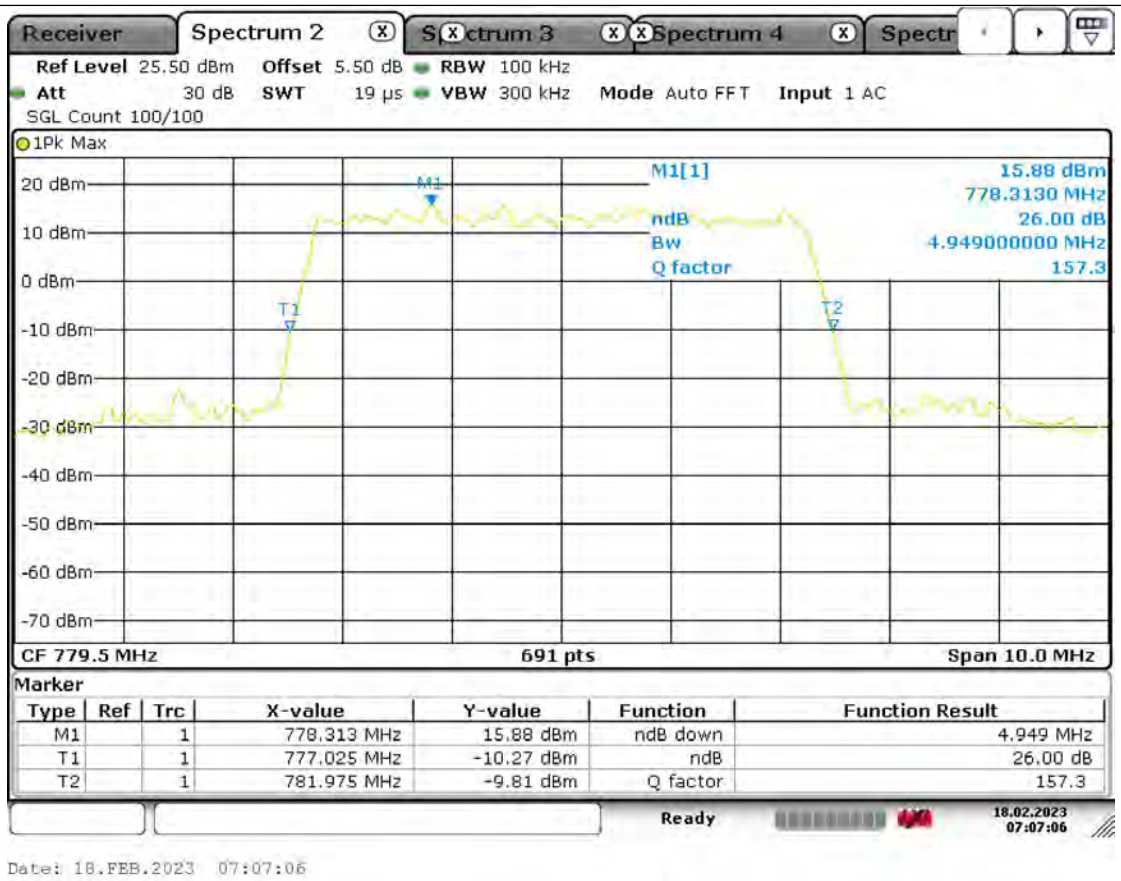
Band13-5MHz-QPSK-23230-25RB#0



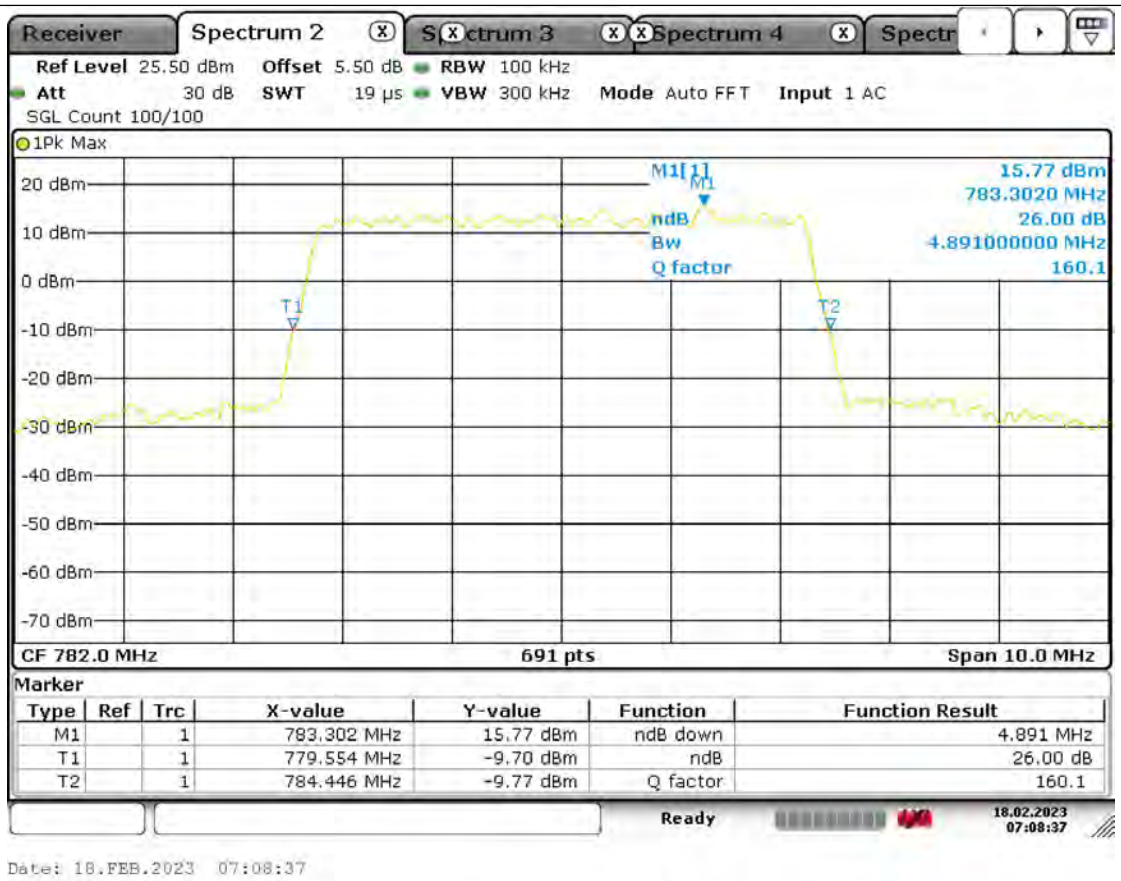
Band13-5MHz-QPSK-23255-25RB#0



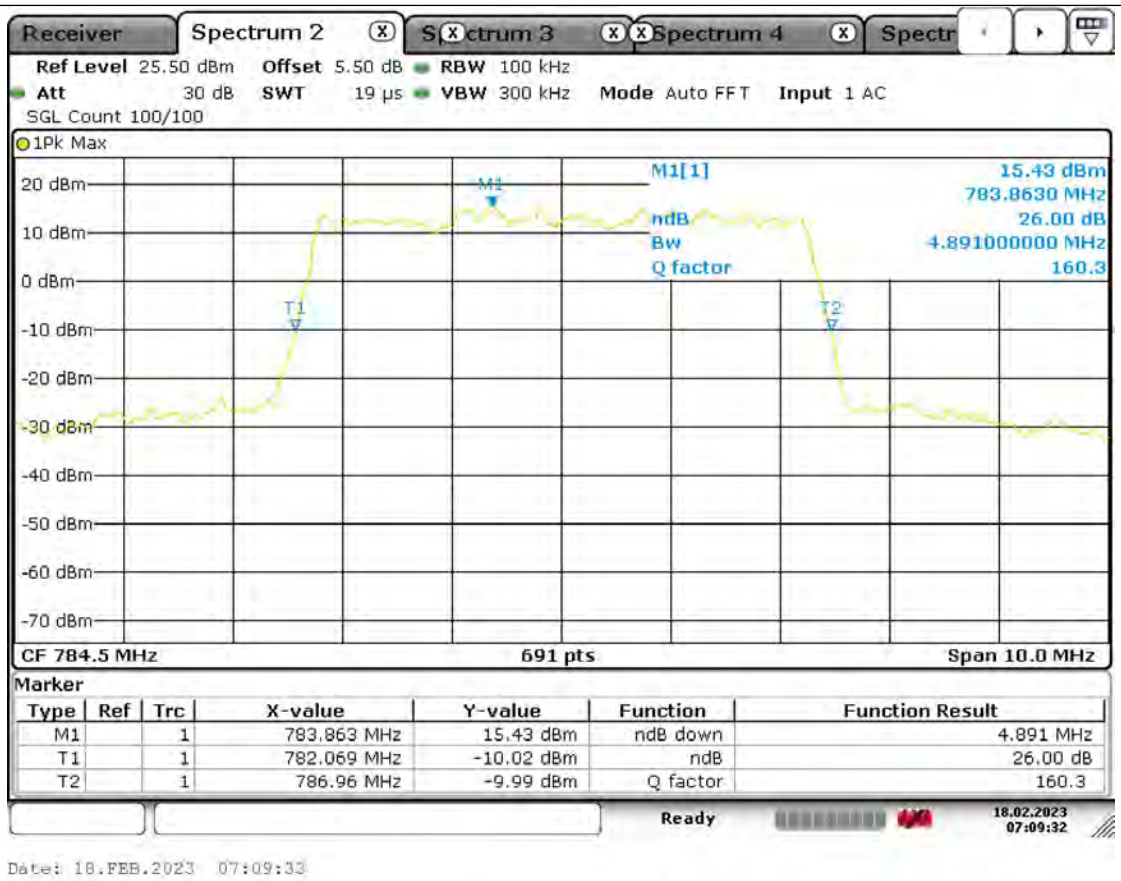
Band13-5MHz-16QAM-23205-25RB#0



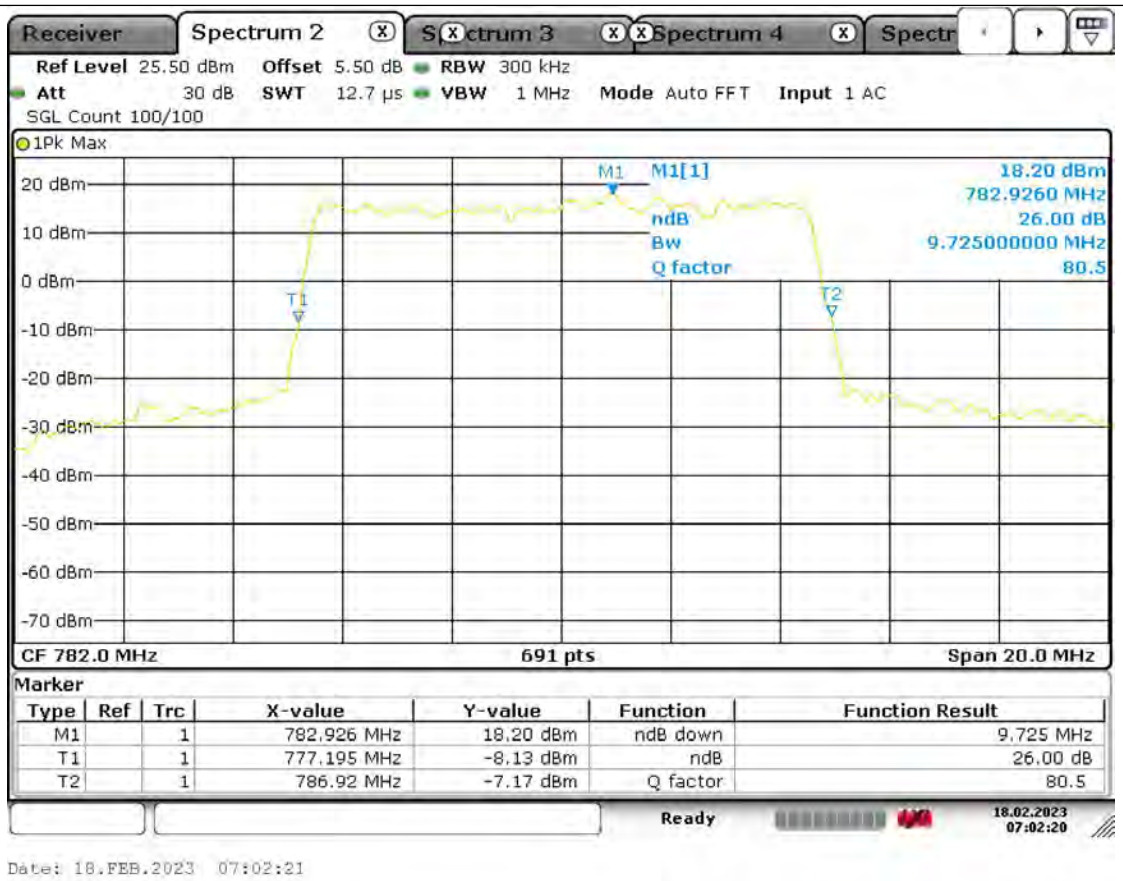
Band13-5MHz-16QAM-23230-25RB#0



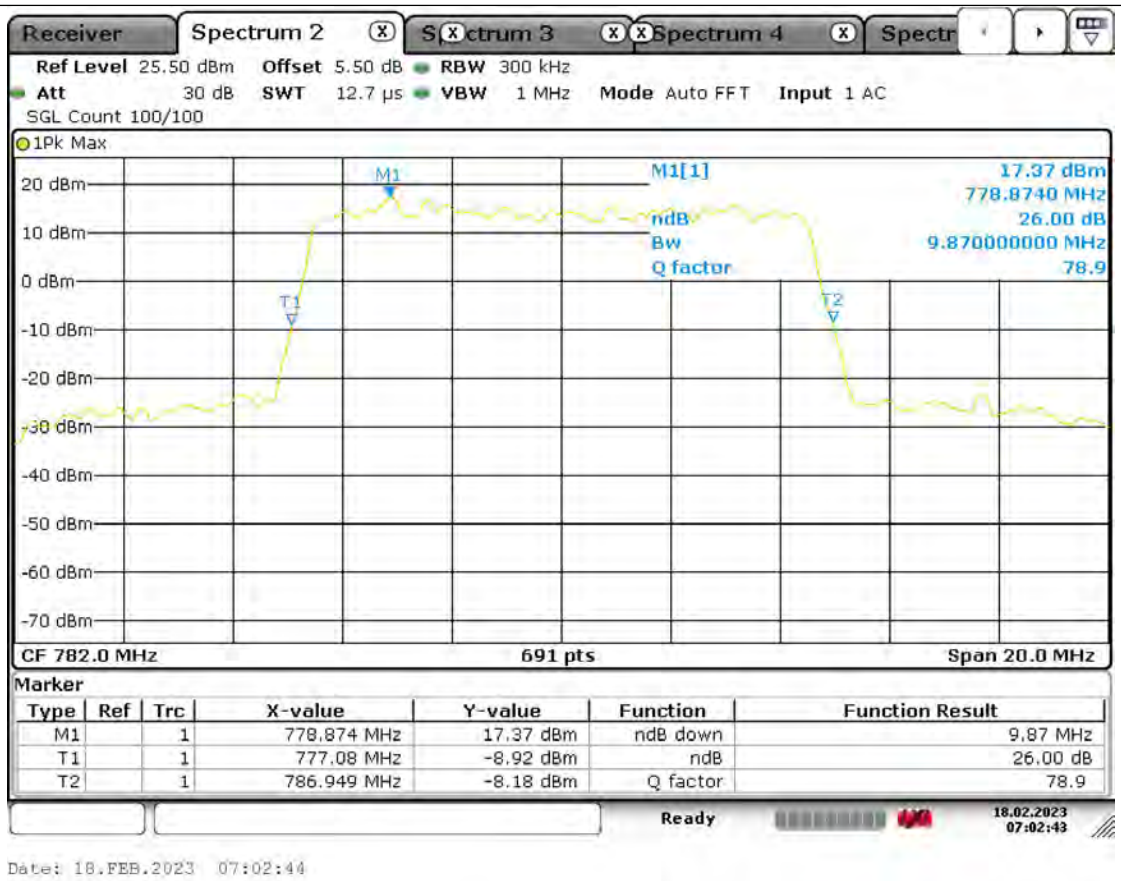
Band13-5MHz-16QAM-23255-25RB#0



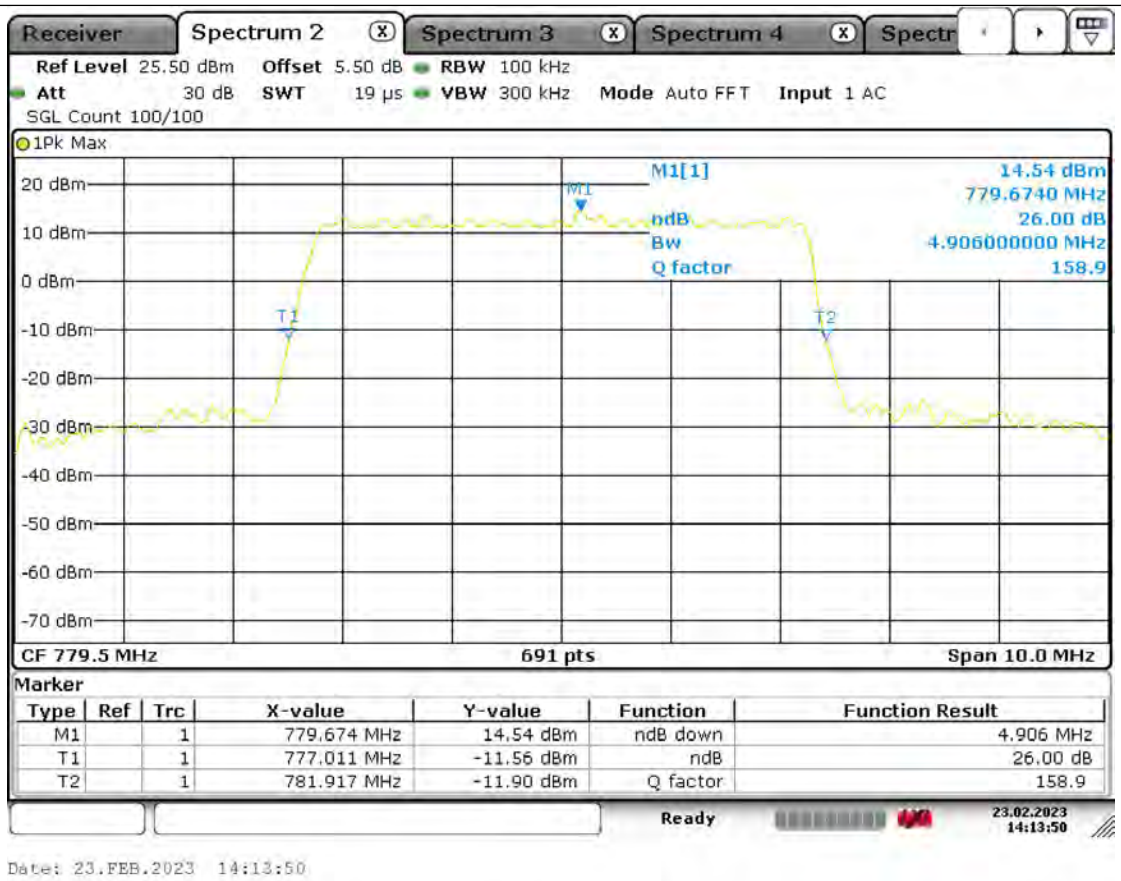
Band13-10MHz-QPSK-23230-50RB#0



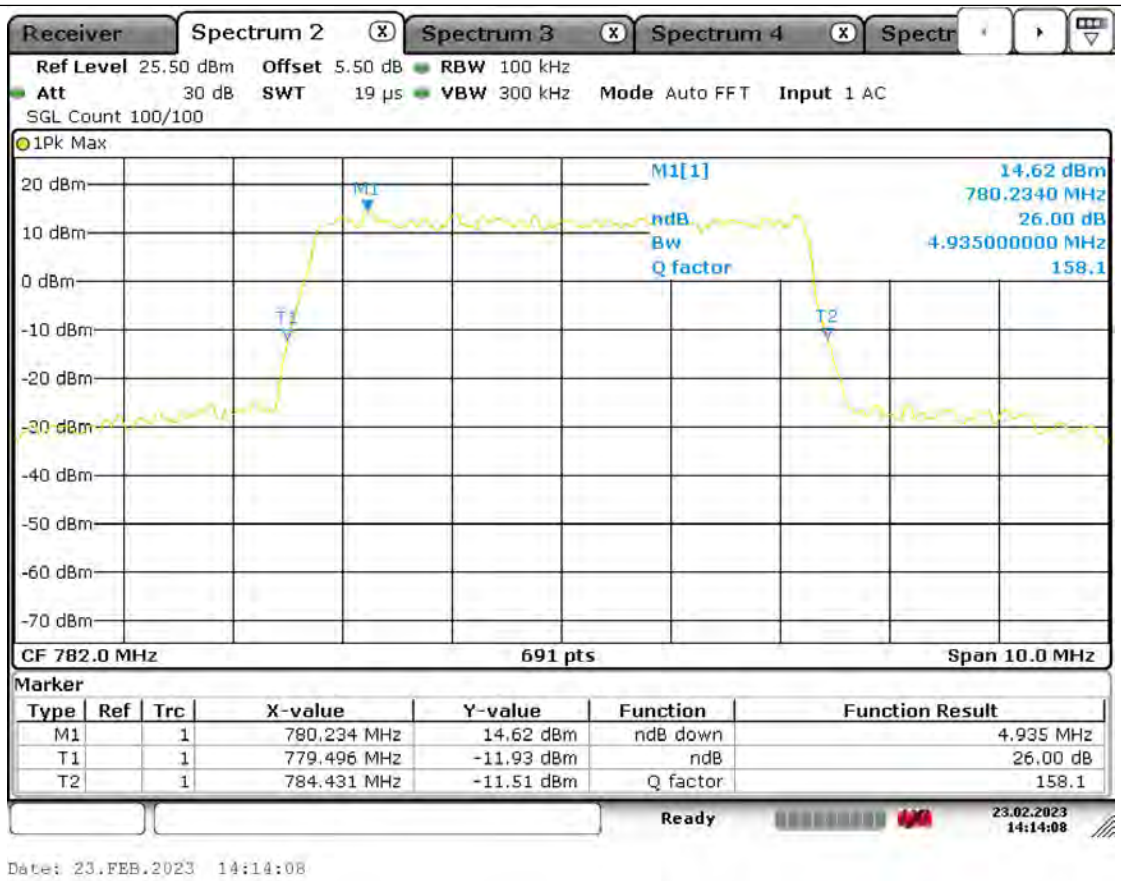
Band13-10MHz-16QAM-23230-50RB#0



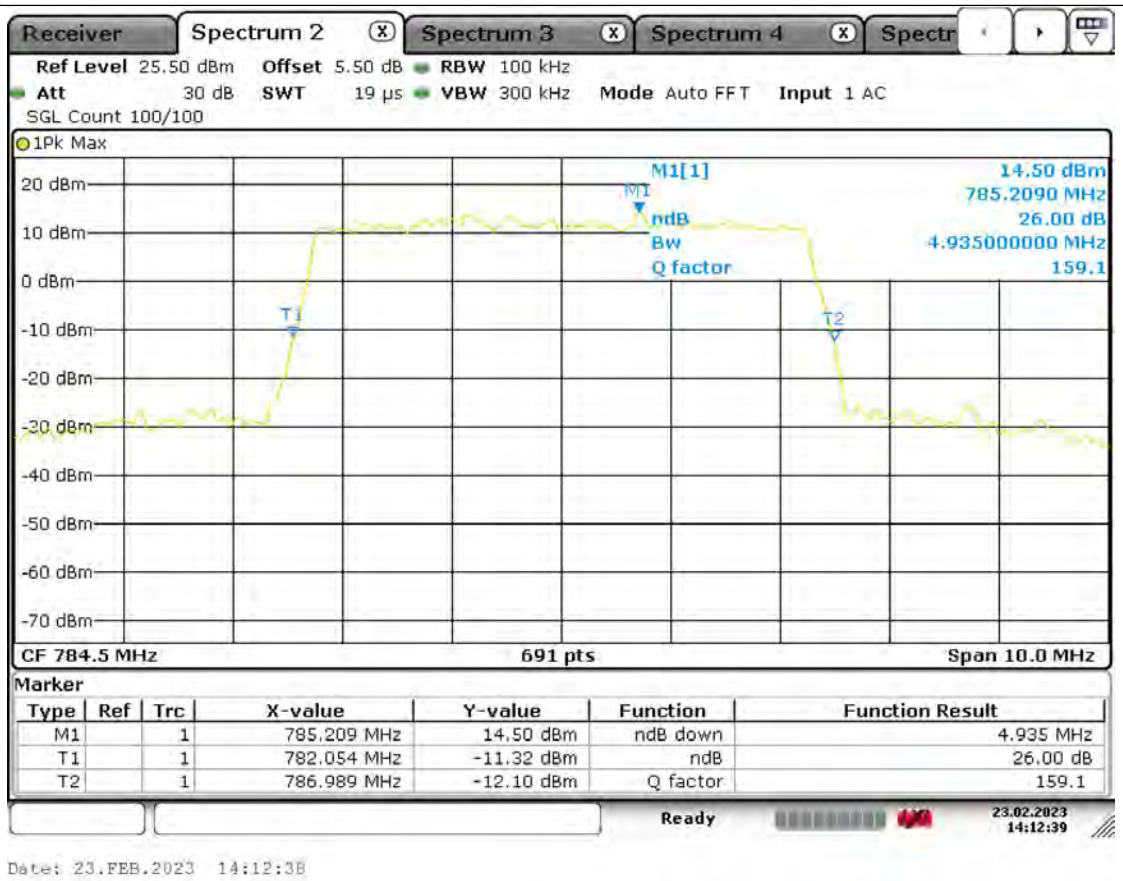
Band13-5MHz-64QAM-23205-25RB#0



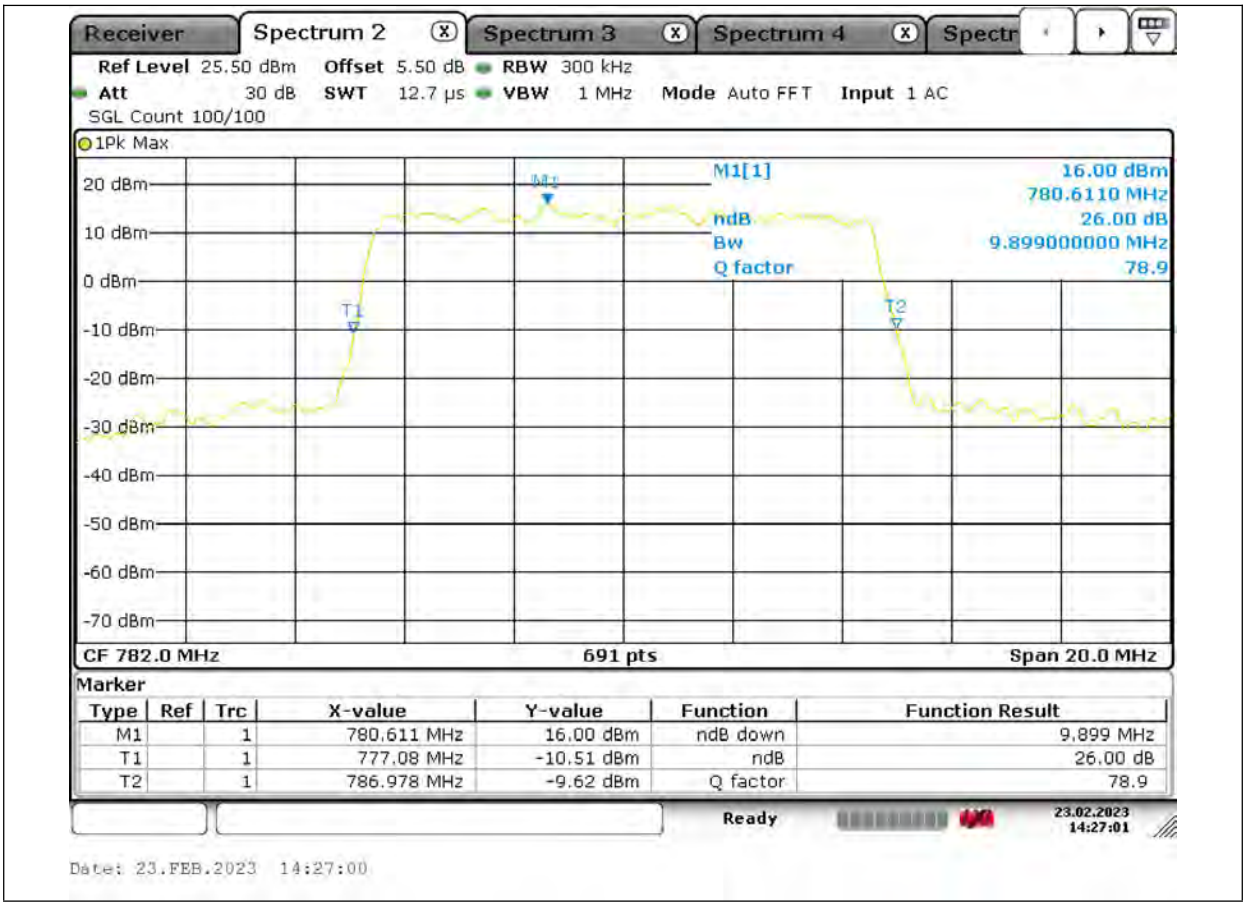
Band13-5MHz-64QAM-23230-25RB#0



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



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


Receiver
Spectrum 2
Spectrum 3
Spectrum 4
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] 16.00 dBm
780.6110 MHz
ndB 26.00 dB
Bw 9.899000000 MHz
Q factor 78.9
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
T1
T2
CF 782.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 780.611 MHz 16.00 dBm ndB down 9.899 MHz
T1 1 777.08 MHz -10.51 dBm ndB 26.00 dB
T2 1 786.978 MHz -9.62 dBm Q factor 78.9
Ready
23.02.2023
14:27:01
Date: 23.FEB.2023 14:27:00

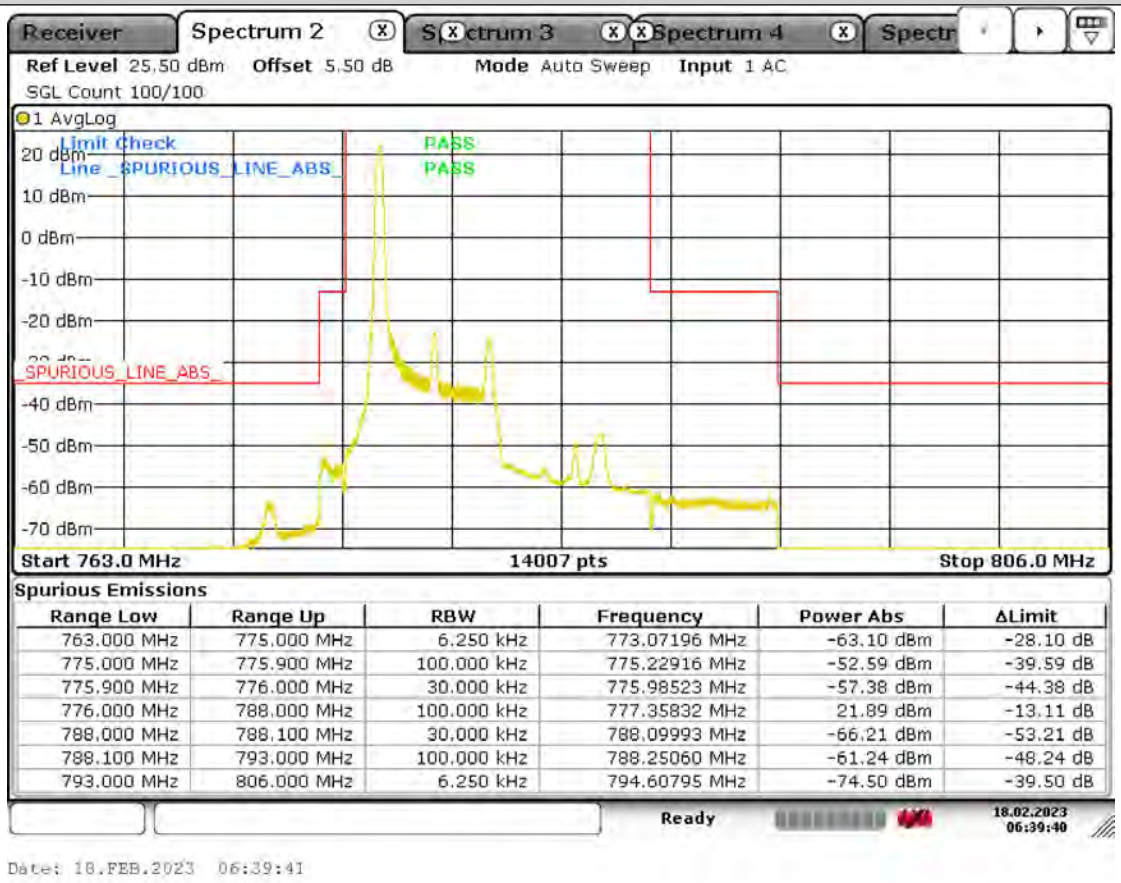
BAND EDGE

Test Result

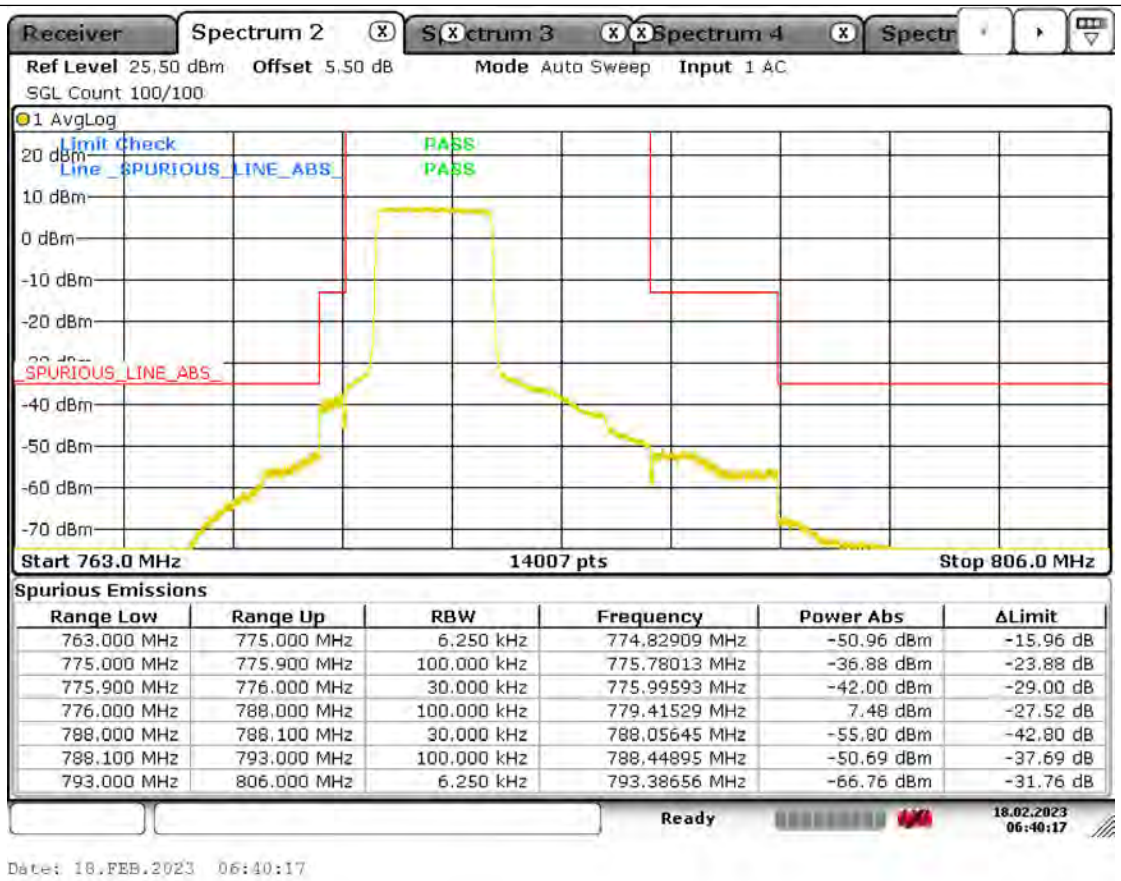
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-52.59	PASS
Band13	5MHz	QPSK	23205	25RB#0	-36.88	PASS
Band13	5MHz	QPSK	23255	1RB#24	-50.28	PASS
Band13	5MHz	QPSK	23255	25RB#0	-37.86	PASS
Band13	5MHz	16QAM	23205	1RB#0	-53.09	PASS
Band13	5MHz	16QAM	23205	25RB#0	-36.47	PASS
Band13	5MHz	16QAM	23255	1RB#24	-51.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	-37.69	PASS
Band13	10MHz	QPSK	23230	1RB#0	-53.39	PASS
Band13	10MHz	QPSK	23230	1RB#49	-52.4	PASS
Band13	10MHz	QPSK	23230	50RB#0	-38.2	PASS
Band13	10MHz	16QAM	23230	1RB#0	-54.94	PASS
Band13	10MHz	16QAM	23230	1RB#49	-53.44	PASS
Band13	10MHz	16QAM	23230	50RB#0	-38.32	PASS
Band13	5MHz	64QAM	23205	1RB#0	-53.04	PASS
Band13	5MHz	64QAM	23205	25RB#0	-37.37	PASS
Band13	5MHz	64QAM	23255	1RB#24	-55.47	PASS
Band13	5MHz	64QAM	23255	25RB#0	-39.18	PASS
Band13	10MHz	64QAM	23230	1RB#0	-58.12	PASS
Band13	10MHz	64QAM	23230	1RB#49	-57.38	PASS
Band13	10MHz	64QAM	23230	50RB#0	-39.49	PASS

Test Graphs

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



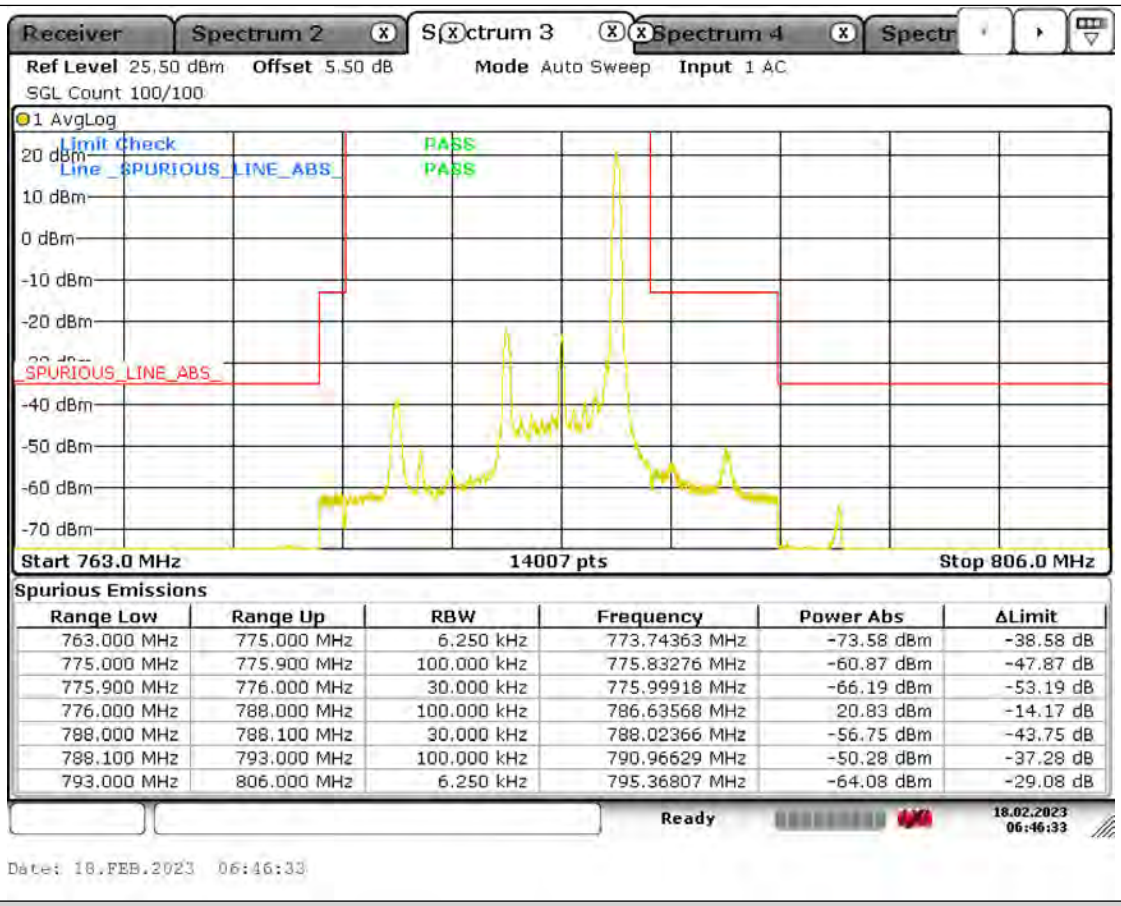
Band13-5MHz-QPSK-23205-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82909 MHz	-50.96 dBm	-15.96 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.78013 MHz	-36.88 dBm	-23.88 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99593 MHz	-42.00 dBm	-29.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.41529 MHz	7.48 dBm	-27.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05645 MHz	-55.80 dBm	-42.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.44895 MHz	-50.69 dBm	-37.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.38656 MHz	-66.76 dBm	-31.76 dB

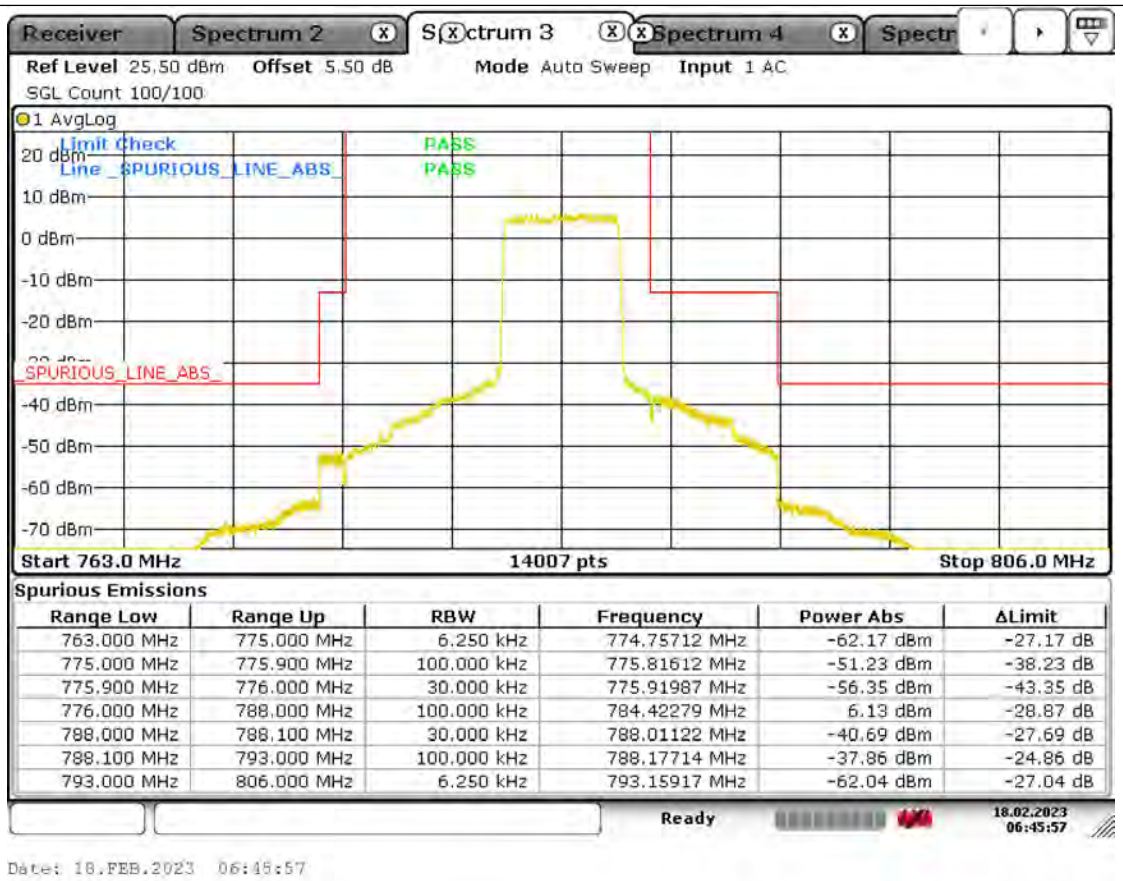
Band13-5MHz-QPSK-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.74363 MHz	-73.58 dBm	-38.58 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83276 MHz	-60.87 dBm	-47.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99918 MHz	-66.19 dBm	-53.19 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63568 MHz	20.83 dBm	-14.17 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02366 MHz	-56.75 dBm	-43.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.96629 MHz	-50.28 dBm	-37.28 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.36807 MHz	-64.08 dBm	-29.08 dB

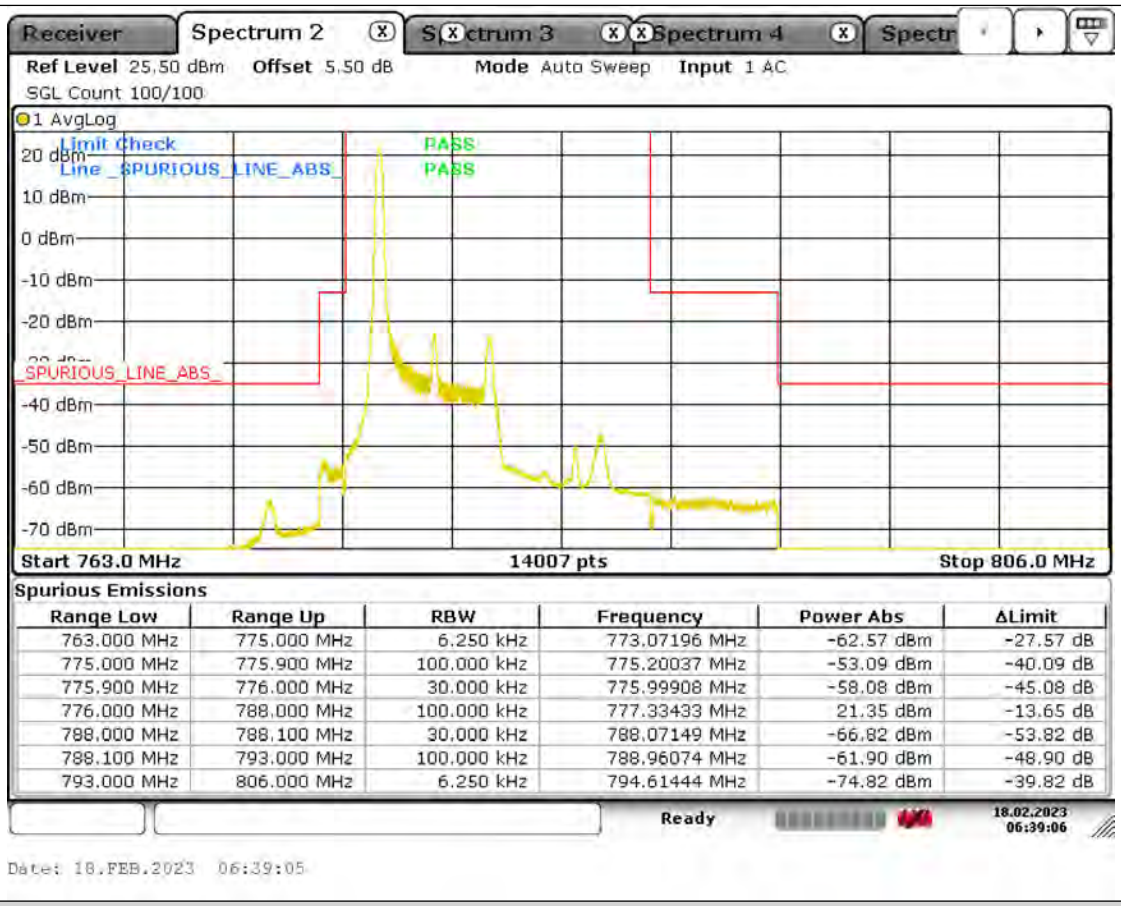
Band13-5MHz-QPSK-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.75712 MHz	-62.17 dBm	-27.17 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81612 MHz	-51.23 dBm	-38.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91987 MHz	-56.35 dBm	-43.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.42279 MHz	6.13 dBm	-28.87 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01122 MHz	-40.69 dBm	-27.69 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.17714 MHz	-37.86 dBm	-24.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.15917 MHz	-62.04 dBm	-27.04 dB

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



Spurious Emissions

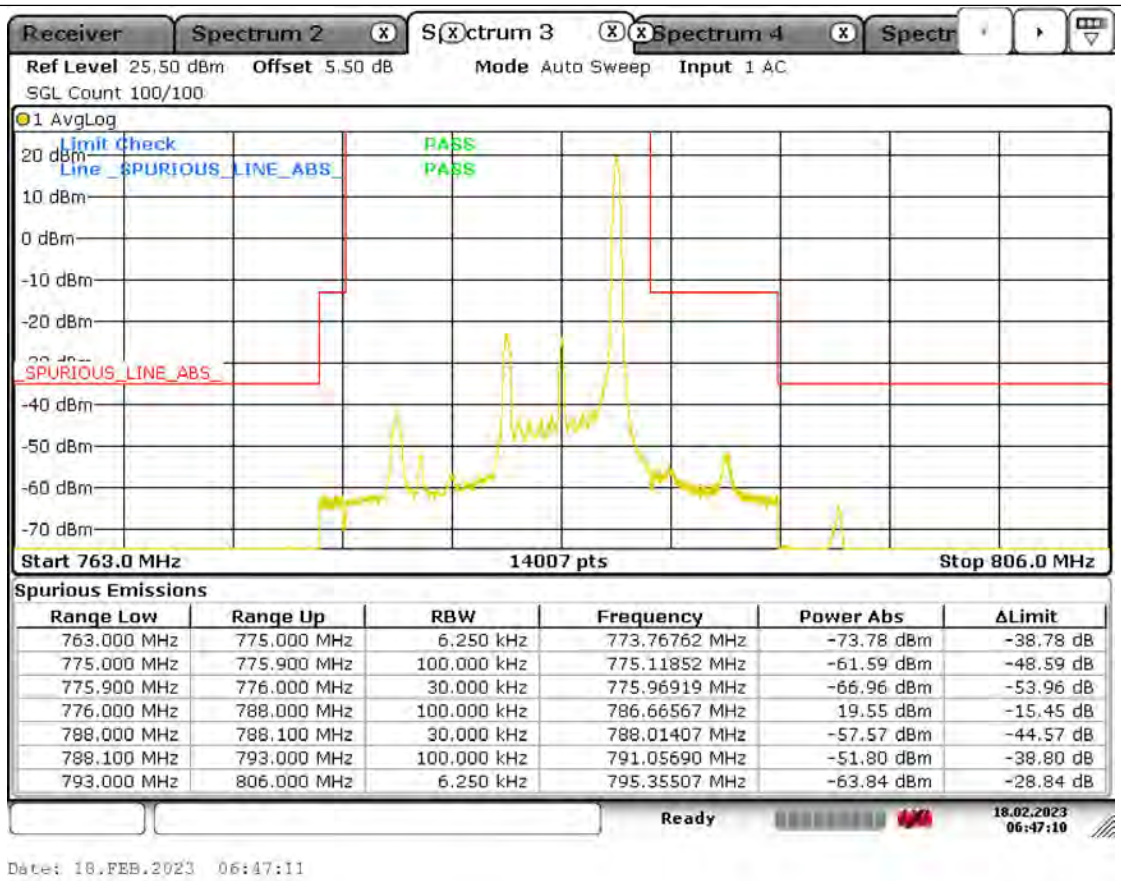
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.07196 MHz	-62.57 dBm	-27.57 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.20037 MHz	-53.09 dBm	-40.09 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99908 MHz	-58.08 dBm	-45.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33433 MHz	21.35 dBm	-13.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07149 MHz	-66.82 dBm	-53.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.96074 MHz	-61.90 dBm	-48.90 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.61444 MHz	-74.82 dBm	-39.82 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	774.87106 MHz	-50.42 dBm	-15.42 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88538 MHz	-36.47 dBm	-23.47 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99998 MHz	-41.24 dBm	-28.24 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.10795 MHz	6.54 dBm	-28.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05700 MHz	-56.02 dBm	-43.02 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20652 MHz	-51.48 dBm	-38.48 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.02274 MHz	-69.83 dBm	-34.83 dB

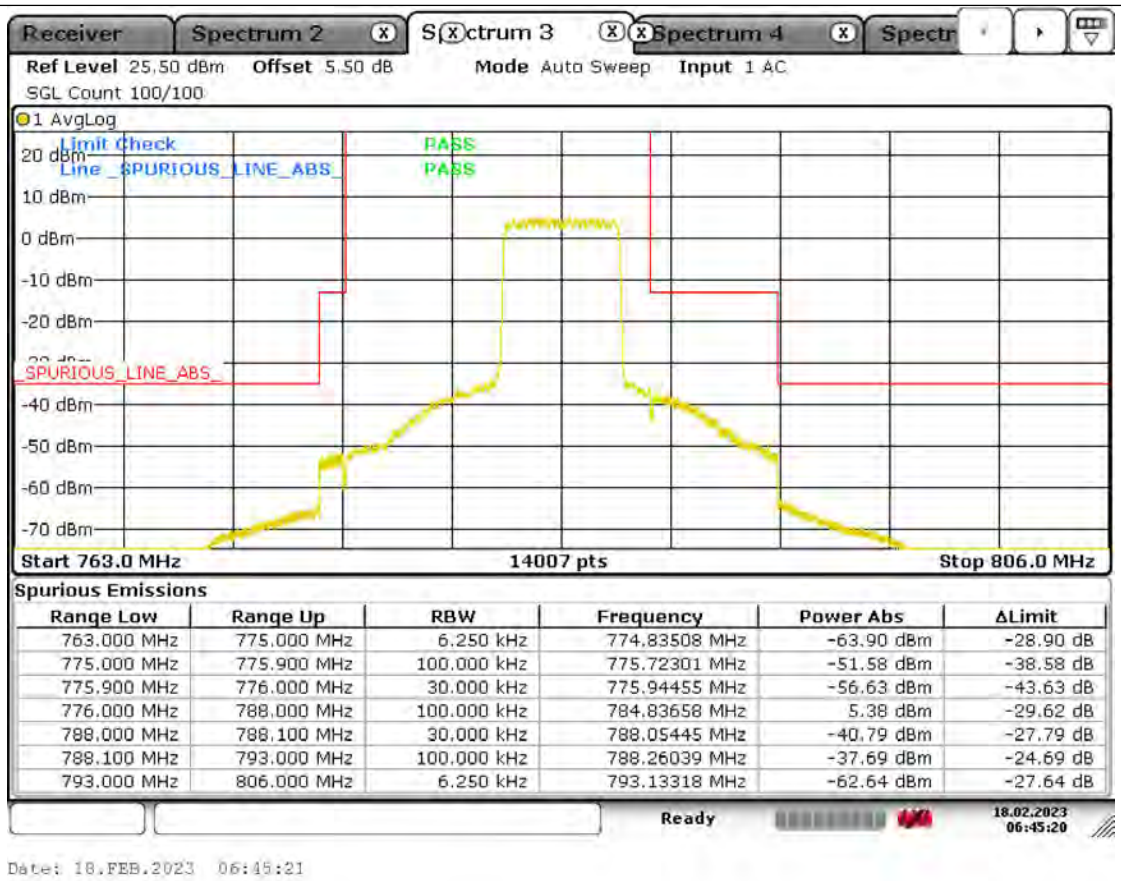
Band13-5MHz-16QAM-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.76762 MHz	-73.78 dBm	-38.78 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.11852 MHz	-61.59 dBm	-48.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96919 MHz	-66.96 dBm	-53.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66567 MHz	19.55 dBm	-15.45 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01407 MHz	-57.57 dBm	-44.57 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.05690 MHz	-51.80 dBm	-38.80 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.35507 MHz	-63.84 dBm	-28.84 dB

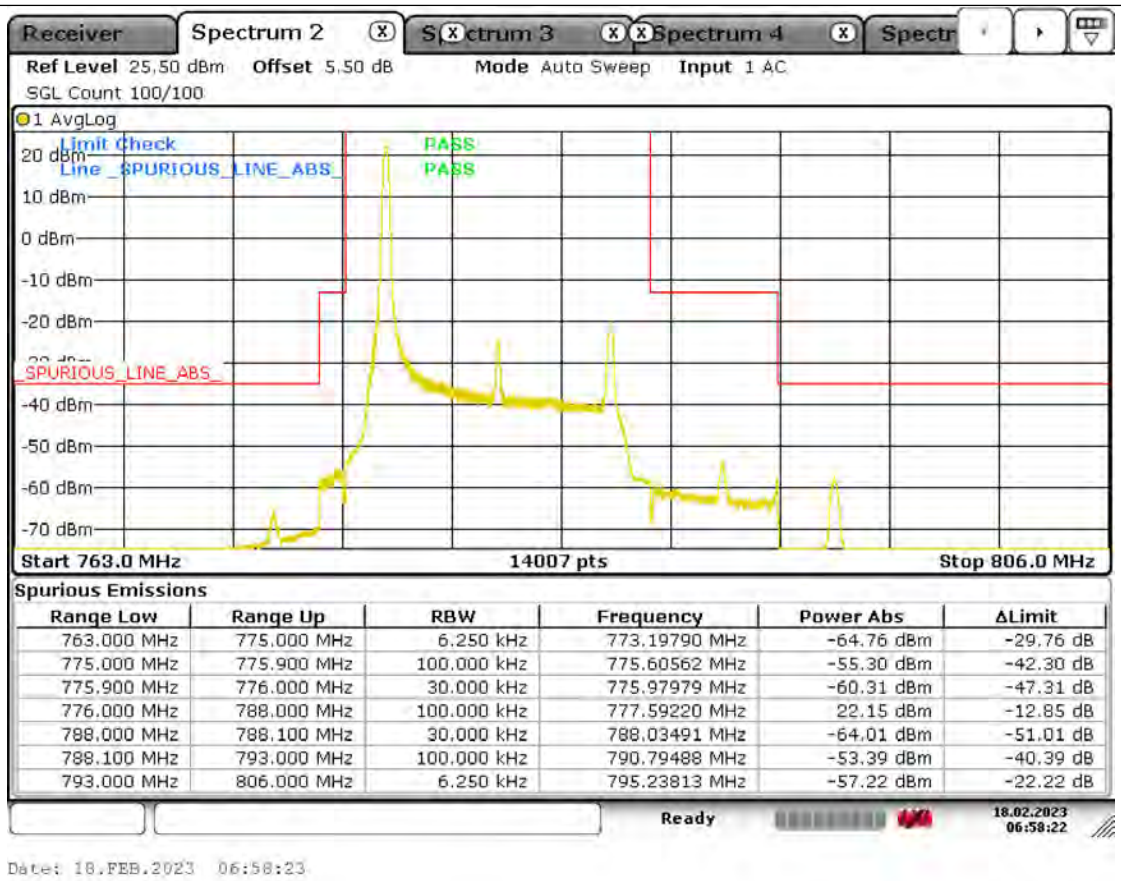
Band13-5MHz-16QAM-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.83508 MHz	-63.90 dBm	-28.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.72301 MHz	-51.58 dBm	-38.58 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94455 MHz	-56.63 dBm	-43.63 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.83658 MHz	5.38 dBm	-29.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05445 MHz	-40.79 dBm	-27.79 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.26039 MHz	-37.69 dBm	-24.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.13318 MHz	-62.64 dBm	-27.64 dB

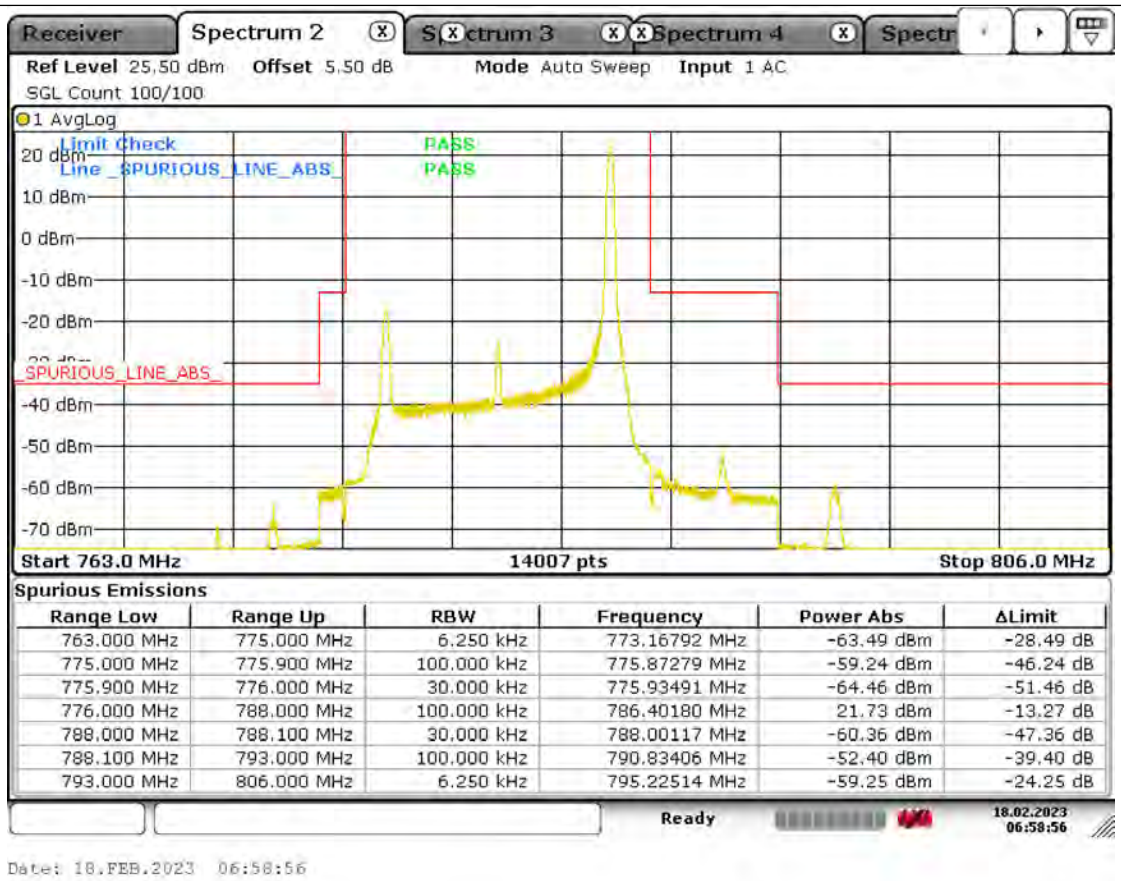
Band13-10MHz-QPSK-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19790 MHz	-64.76 dBm	-29.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.60562 MHz	-55.30 dBm	-42.30 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97979 MHz	-60.31 dBm	-47.31 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.59220 MHz	22.15 dBm	-12.85 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03491 MHz	-64.01 dBm	-51.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.79488 MHz	-53.39 dBm	-40.39 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.23813 MHz	-57.22 dBm	-22.22 dB

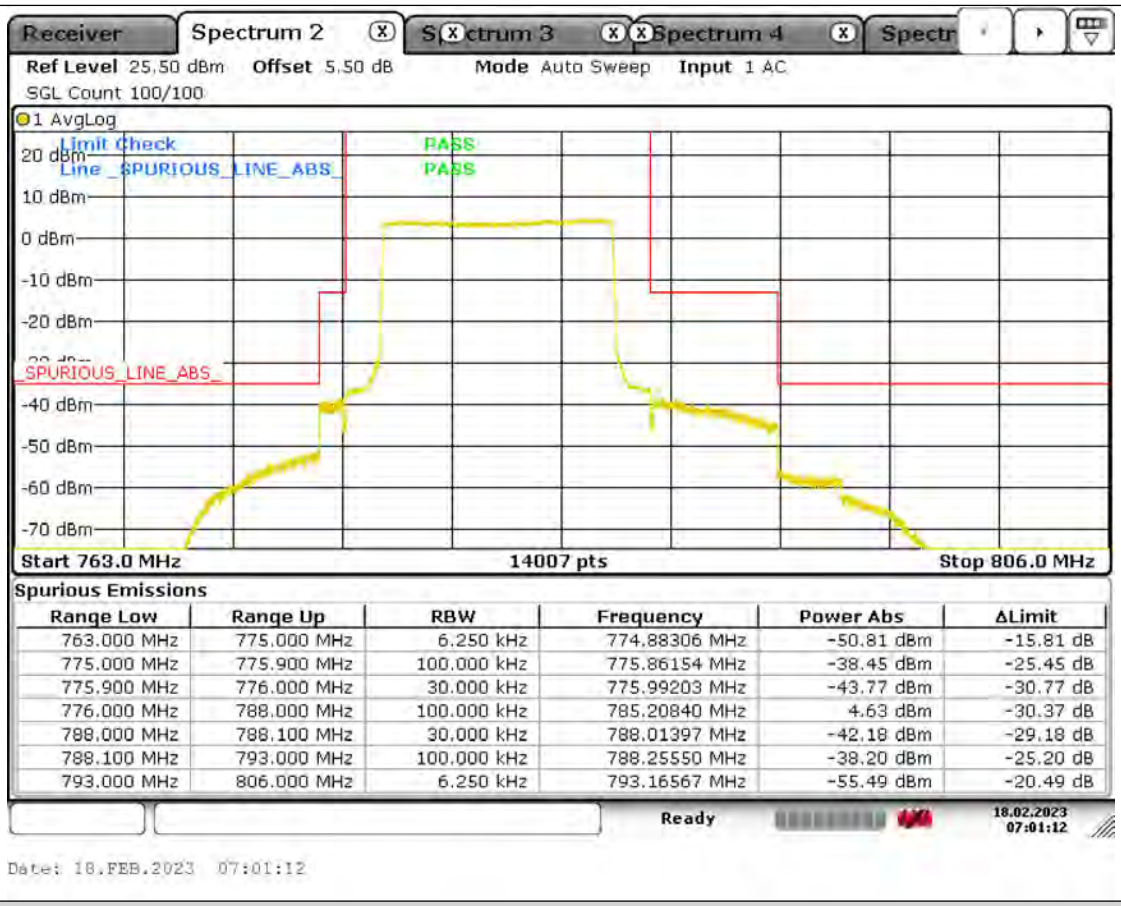
Band13-10MHz-QPSK-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.16792 MHz	-63.49 dBm	-28.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87279 MHz	-59.24 dBm	-46.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93491 MHz	-64.46 dBm	-51.46 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.40180 MHz	21.73 dBm	-13.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00117 MHz	-60.36 dBm	-47.36 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.83406 MHz	-52.40 dBm	-39.40 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22514 MHz	-59.25 dBm	-24.25 dB

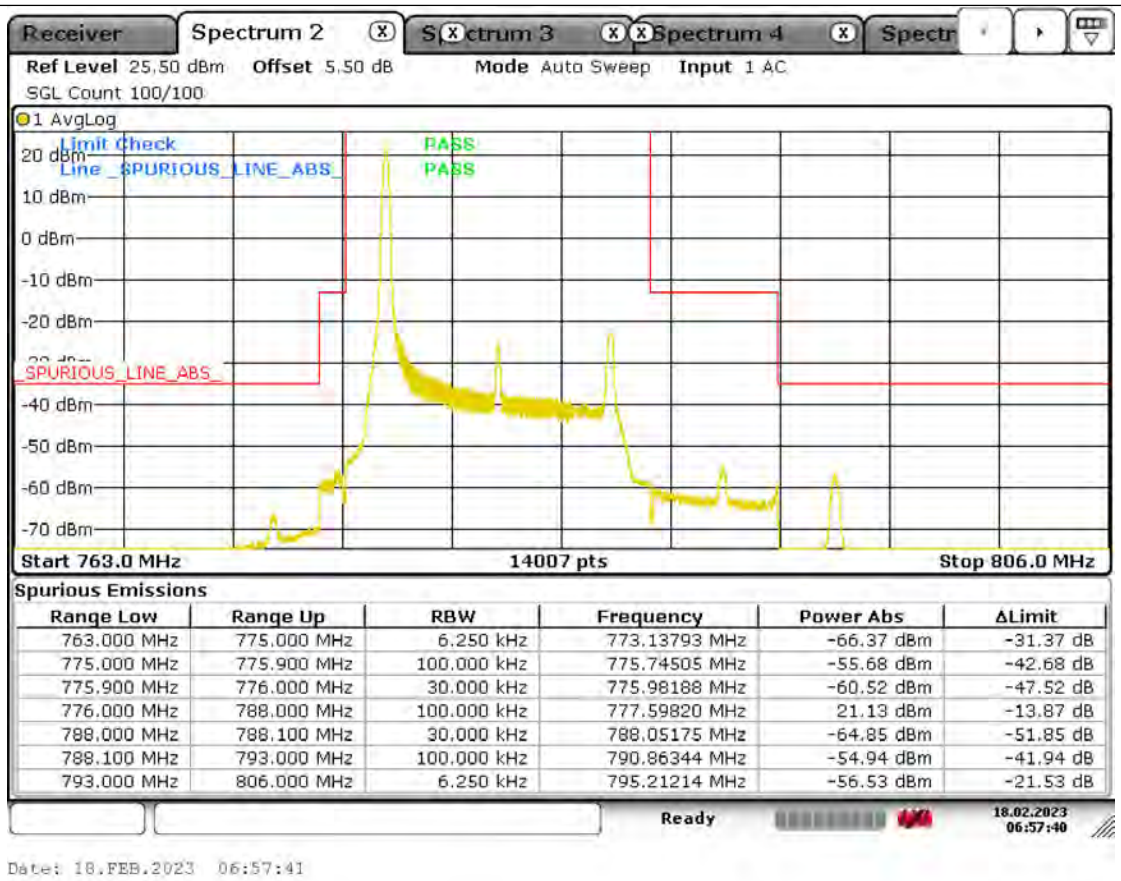
Band13-10MHz-QPSK-23230-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.88306 MHz	-50.81 dBm	-15.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86154 MHz	-38.45 dBm	-25.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99203 MHz	-43.77 dBm	-30.77 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.20840 MHz	4.63 dBm	-30.37 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01397 MHz	-42.18 dBm	-29.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25550 MHz	-38.20 dBm	-25.20 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.16567 MHz	-55.49 dBm	-20.49 dB

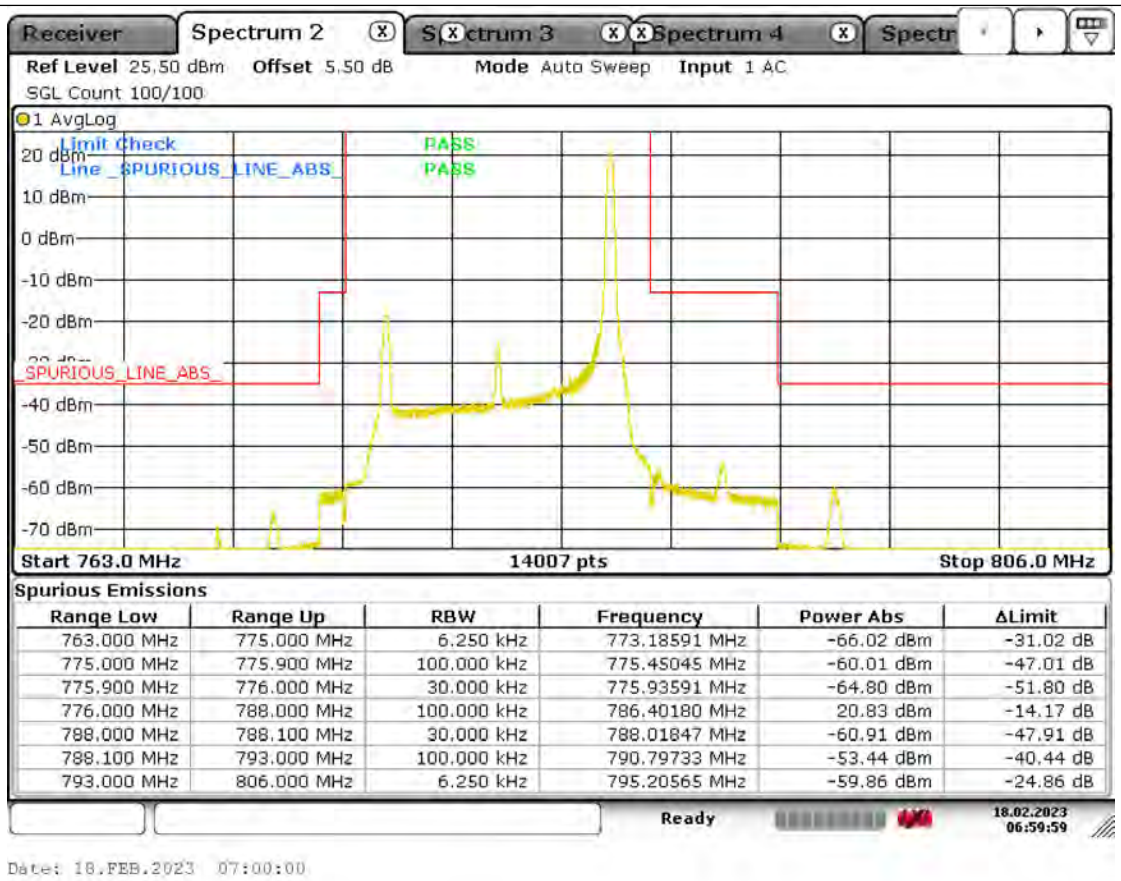
Band13-10MHz-16QAM-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.13793 MHz	-66.37 dBm	-31.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74505 MHz	-55.68 dBm	-42.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98188 MHz	-60.52 dBm	-47.52 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.59820 MHz	21.13 dBm	-13.87 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05175 MHz	-64.85 dBm	-51.85 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.86344 MHz	-54.94 dBm	-41.94 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.21214 MHz	-56.53 dBm	-21.53 dB

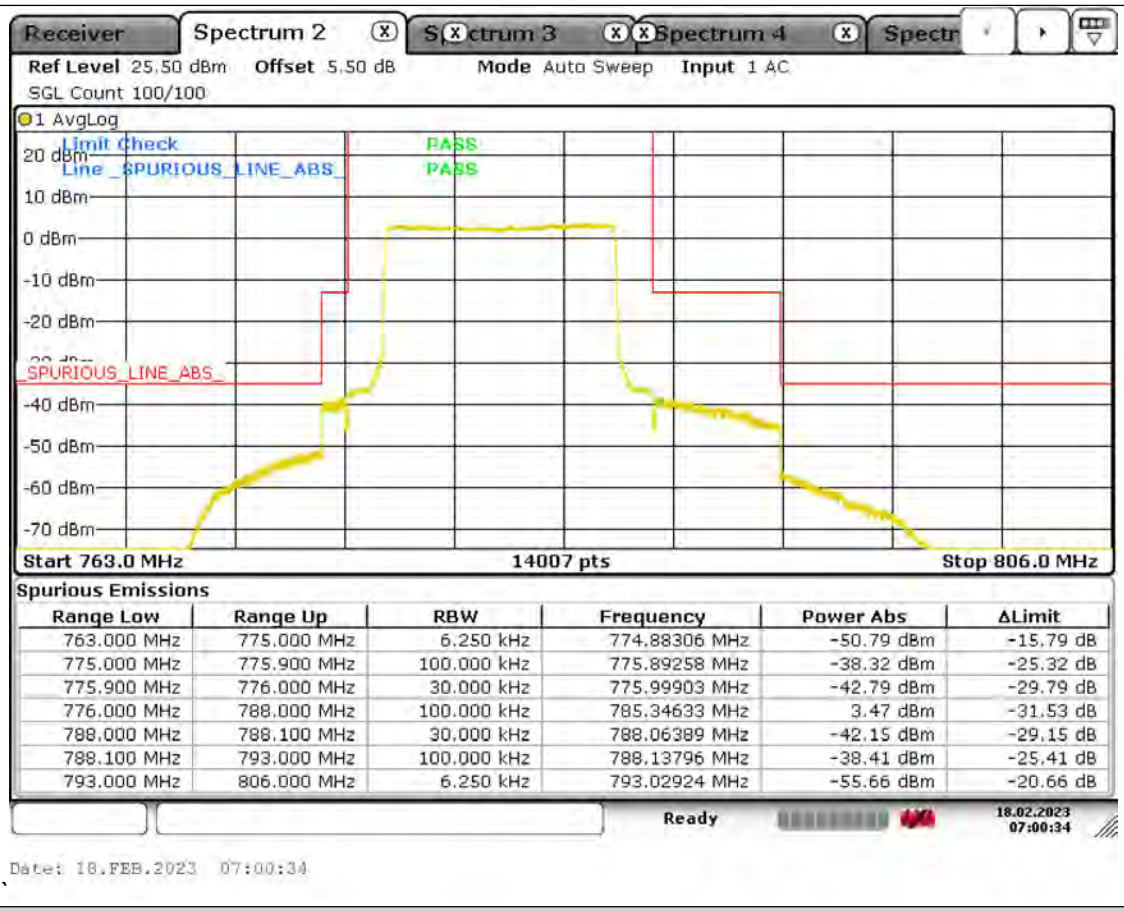
Band13-10MHz-16QAM-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18591 MHz	-66.02 dBm	-31.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.45045 MHz	-60.01 dBm	-47.01 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93591 MHz	-64.80 dBm	-51.80 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.40180 MHz	20.83 dBm	-14.17 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01847 MHz	-60.91 dBm	-47.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.79733 MHz	-53.44 dBm	-40.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20565 MHz	-59.86 dBm	-24.86 dB

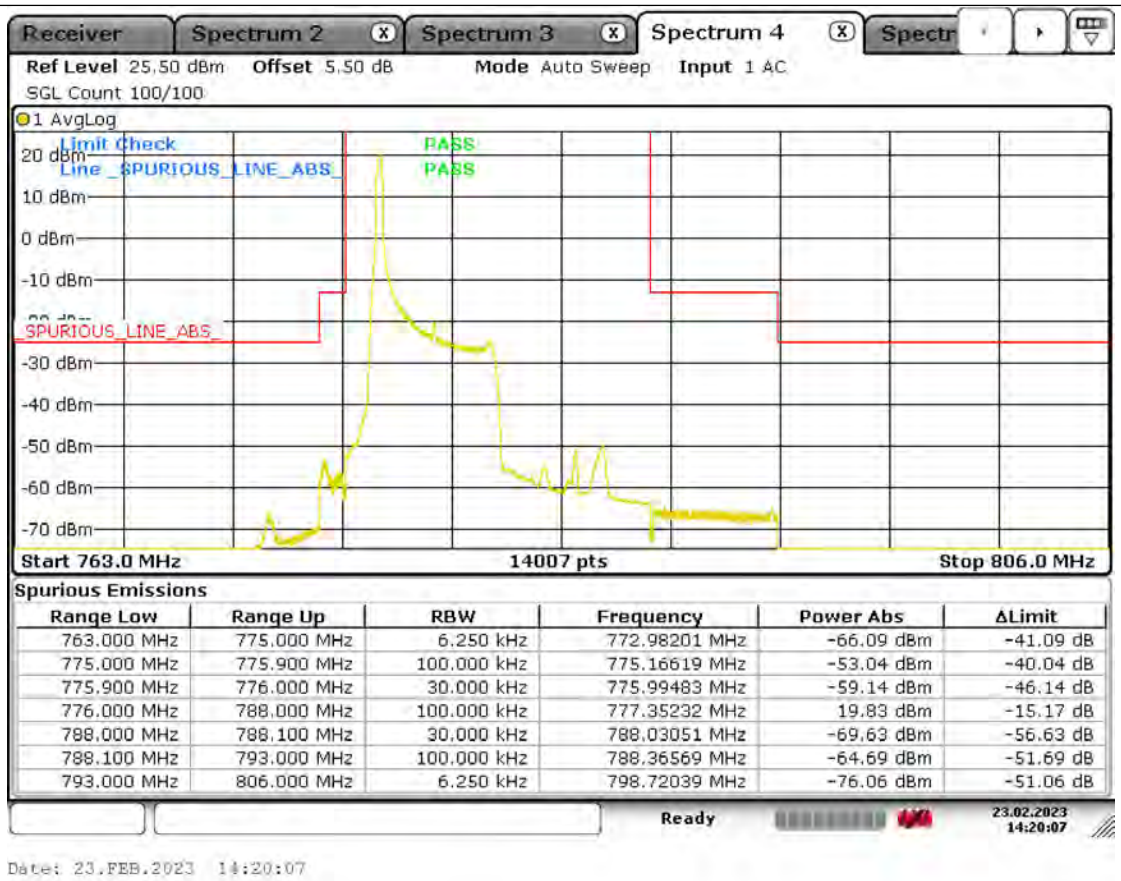
Band13-10MHz-16QAM-23230-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.88306 MHz	-50.79 dBm	-15.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89258 MHz	-38.32 dBm	-25.32 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99903 MHz	-42.79 dBm	-29.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.34633 MHz	3.47 dBm	-31.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06389 MHz	-42.15 dBm	-29.15 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13796 MHz	-38.41 dBm	-25.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.02924 MHz	-55.66 dBm	-20.66 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	772.98201 MHz	-66.09 dBm	-41.09 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.16619 MHz	-53.04 dBm	-40.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99483 MHz	-59.14 dBm	-46.14 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.35232 MHz	19.83 dBm	-15.17 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03051 MHz	-69.63 dBm	-56.63 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.36569 MHz	-64.69 dBm	-51.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.72039 MHz	-76.06 dBm	-51.06 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	774.97301 MHz	-51.43 dBm	-26.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76574 MHz	-37.37 dBm	-24.37 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93716 MHz	-42.40 dBm	-29.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.71964 MHz	5.33 dBm	-29.67 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00327 MHz	-57.53 dBm	-44.53 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27509 MHz	-52.92 dBm	-39.92 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03573 MHz	-70.92 dBm	-45.92 dB

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

Spurious Emissions

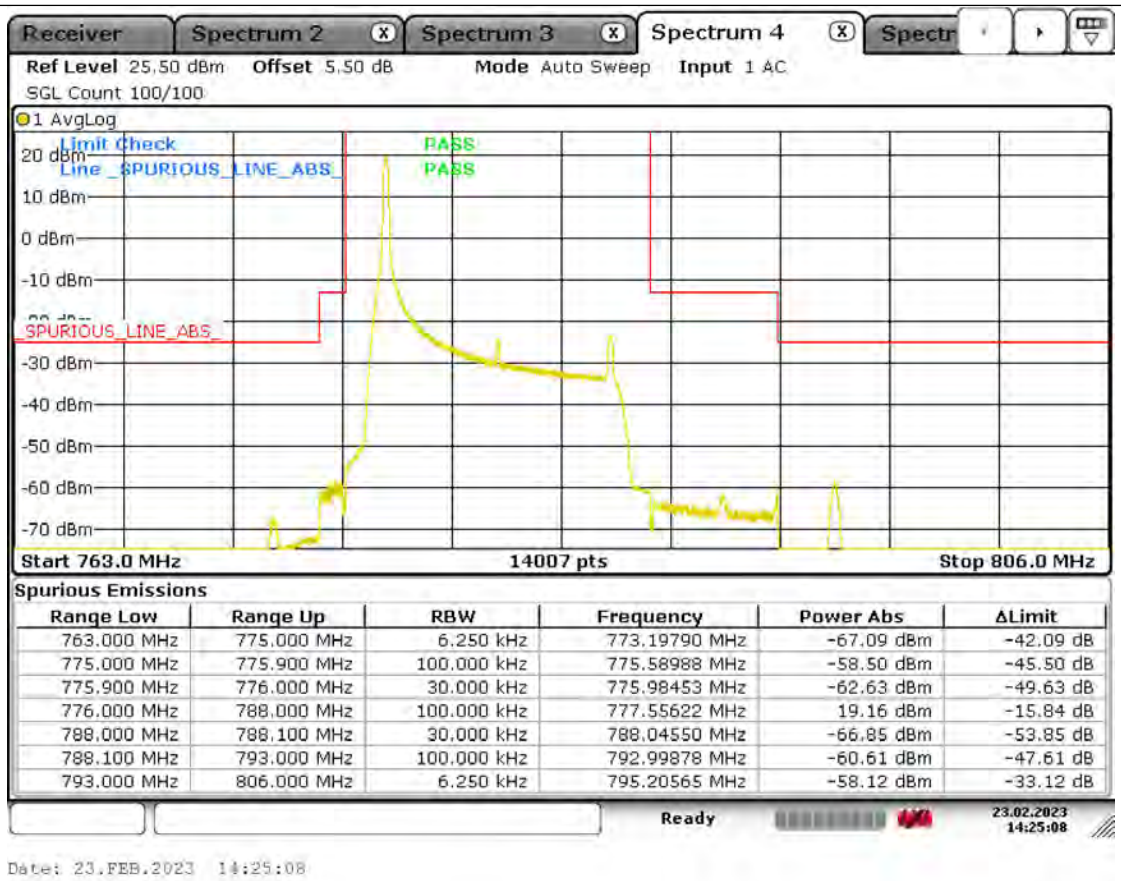
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.82759 MHz	-76.57 dBm	-51.57 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87459 MHz	-64.87 dBm	-51.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97734 MHz	-69.81 dBm	-56.81 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66567 MHz	18.97 dBm	-16.03 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02081 MHz	-60.26 dBm	-47.26 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.91242 MHz	-55.47 dBm	-42.47 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.39405 MHz	-65.19 dBm	-40.19 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	774.88906 MHz	-65.63 dBm	-40.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.50712 MHz	-53.65 dBm	-40.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97084 MHz	-58.50 dBm	-45.50 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.27436 MHz	4.73 dBm	-30.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04610 MHz	-42.74 dBm	-29.74 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.36814 MHz	-39.18 dBm	-26.18 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.06822 MHz	-64.70 dBm	-39.70 dB

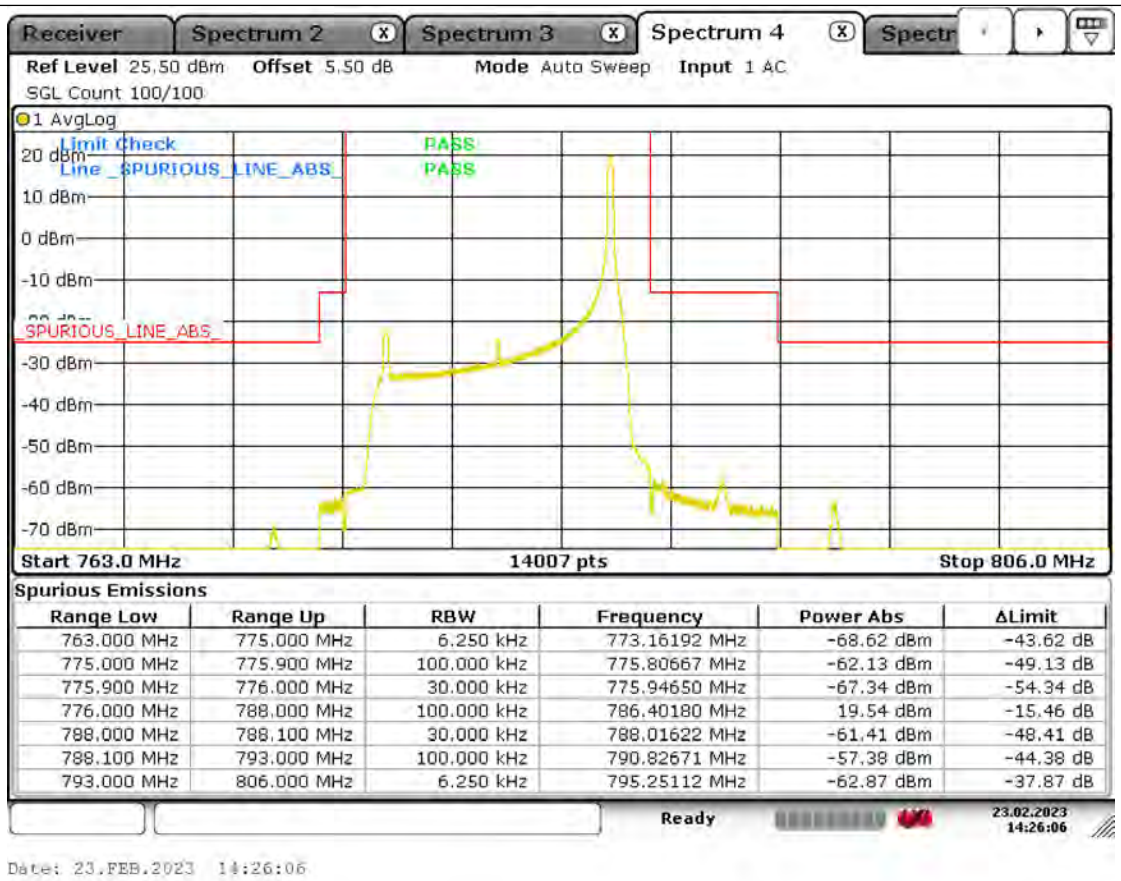
Band13-10MHz-64QAM-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19790 MHz	-67.09 dBm	-42.09 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.58988 MHz	-58.50 dBm	-45.50 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98453 MHz	-62.63 dBm	-49.63 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.55622 MHz	19.16 dBm	-15.84 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04550 MHz	-66.85 dBm	-53.85 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.99878 MHz	-60.61 dBm	-47.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20565 MHz	-58.12 dBm	-33.12 dB

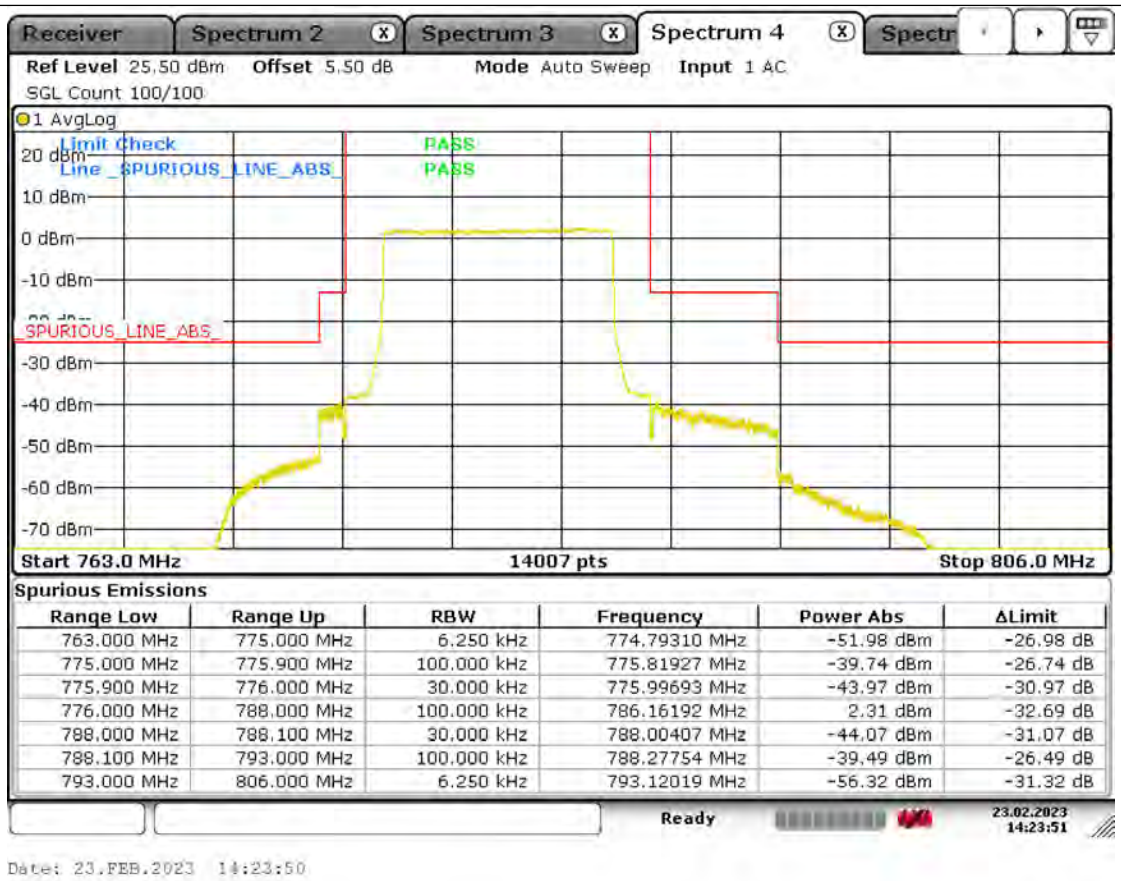
Band13-10MHz-64QAM-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.16192 MHz	-68.62 dBm	-43.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80667 MHz	-62.13 dBm	-49.13 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94650 MHz	-67.34 dBm	-54.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.40180 MHz	19.54 dBm	-15.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01622 MHz	-61.41 dBm	-48.41 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.82671 MHz	-57.38 dBm	-44.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25112 MHz	-62.87 dBm	-37.87 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	774.79310 MHz	-51.98 dBm	-26.98 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81927 MHz	-39.74 dBm	-26.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99693 MHz	-43.97 dBm	-30.97 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.16192 MHz	2.31 dBm	-32.69 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00407 MHz	-44.07 dBm	-31.07 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27754 MHz	-39.49 dBm	-26.49 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.12019 MHz	-56.32 dBm	-31.32 dB

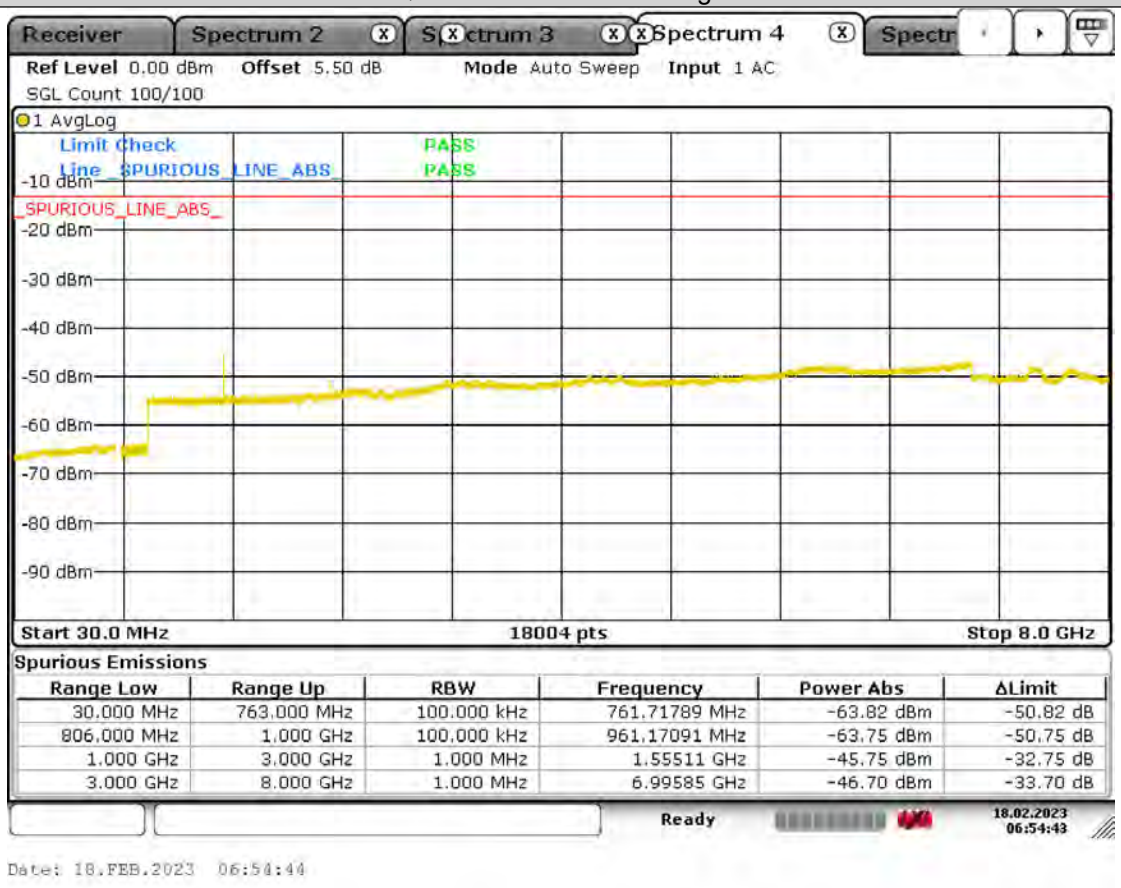
CONDUCTED SPURIOUS EMISSION

Test Result

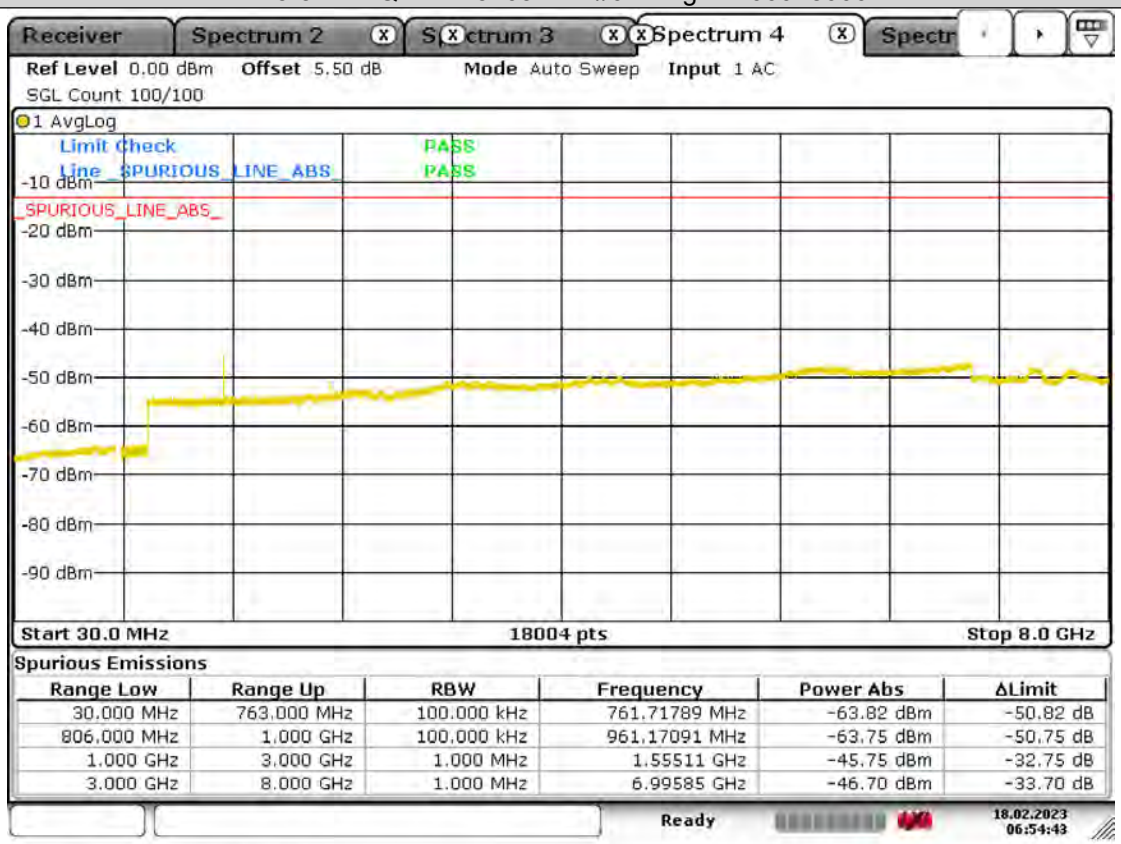
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-63.75	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~8000MHz	-45.75	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-63.39	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~8000MHz	-45.24	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-63.64	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~8000MHz	-45.81	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-63.76	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~8000MHz	-46.9	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-63.2	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~8000MHz	-46.37	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-63.6	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~8000MHz	-45.98	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-63.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~8000MHz	-46	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-63.52	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~8000MHz	-47.02	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range1:30~1000MHz	-63.87	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range2:1000~8000MHz	-47.06	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range1:30~1000MHz	-63.91	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range2:1000~8000MHz	-47.12	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range1:30~1000MHz	-63.77	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range2:1000~8000MHz	-47.23	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range1:30~1000MHz	-64.07	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range2:1000~8000MHz	-47.18	PASS

Test Graphs

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



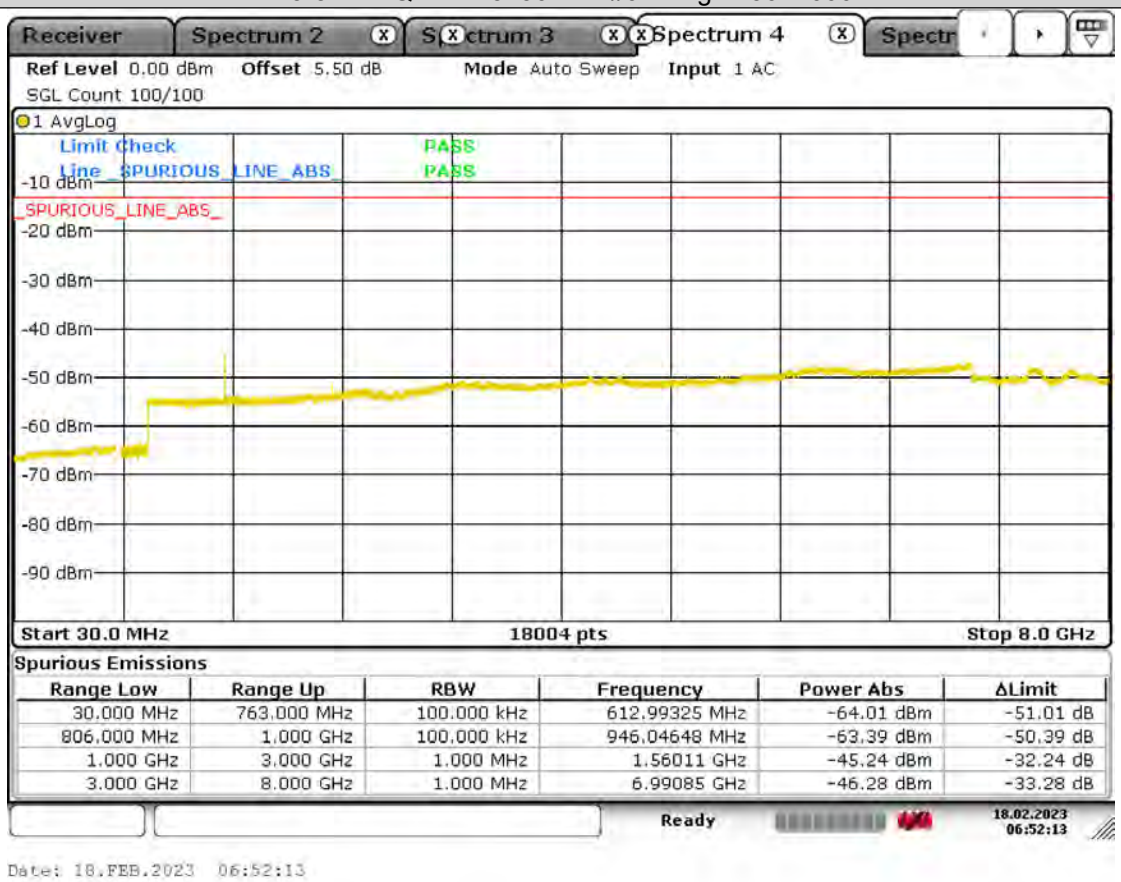
Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.71789 MHz	-63.82 dBm	-50.82 dB
806.000 MHz	1.000 GHz	100.000 kHz	961.17091 MHz	-63.75 dBm	-50.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-45.75 dBm	-32.75 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99585 GHz	-46.70 dBm	-33.70 dB

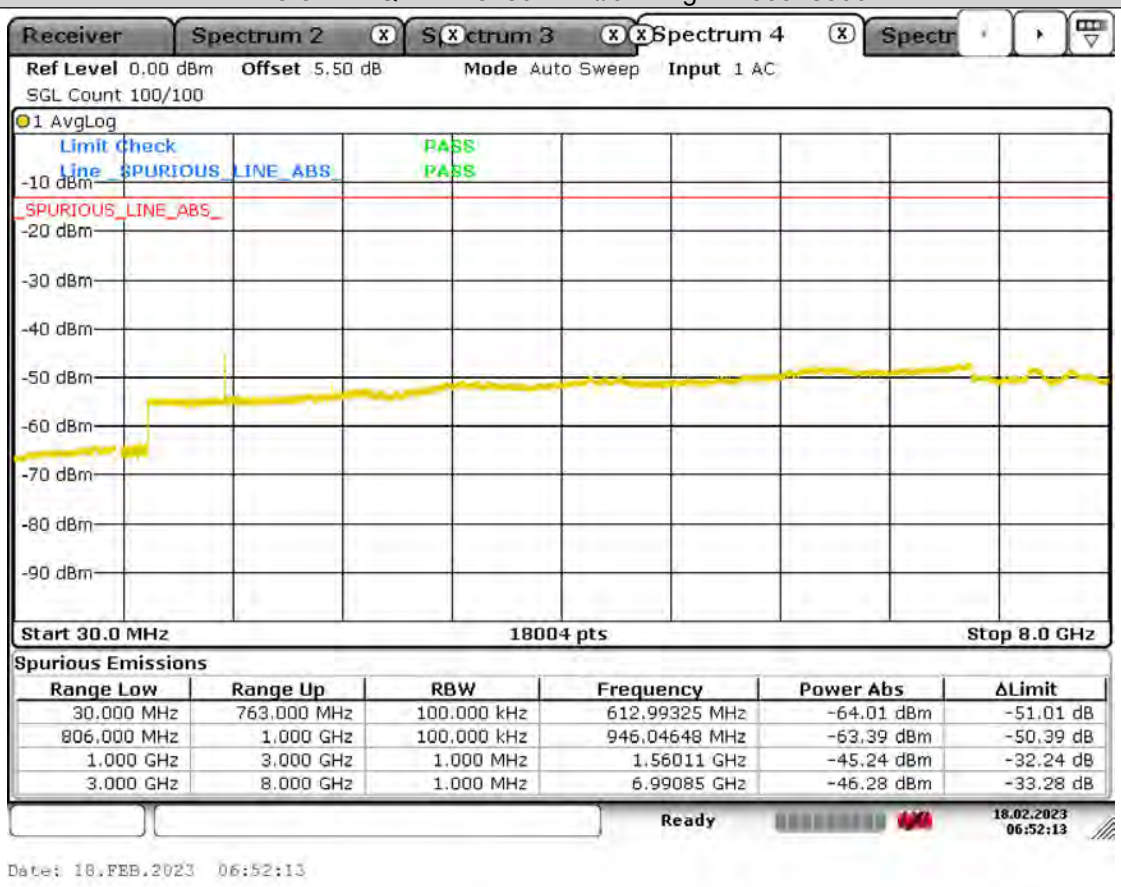
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	612.99325 MHz	-64.01 dBm	-51.01 dB
806.000 MHz	1.000 GHz	100.000 kHz	946.04648 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-46.28 dBm	-33.28 dB

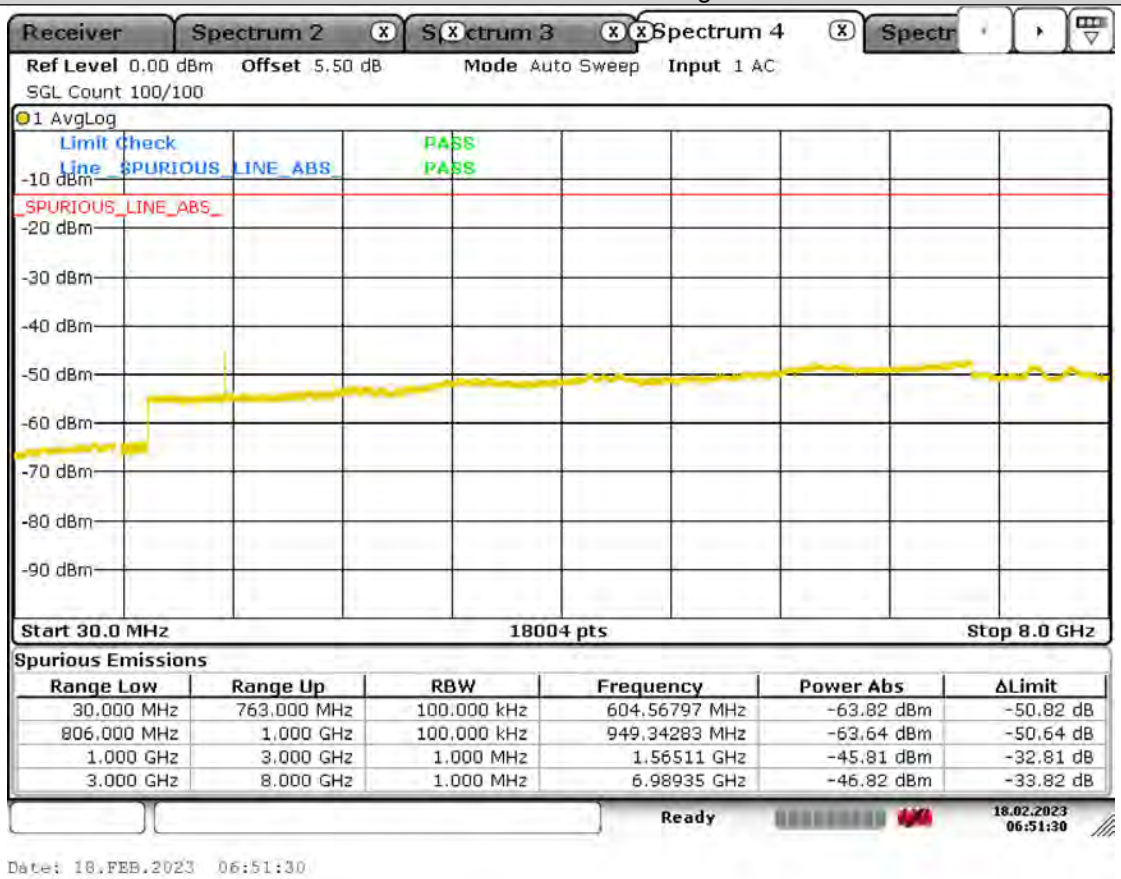
Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	612.99325 MHz	-64.01 dBm	-51.01 dB
806.000 MHz	1.000 GHz	100.000 kHz	946.04648 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-46.28 dBm	-33.28 dB

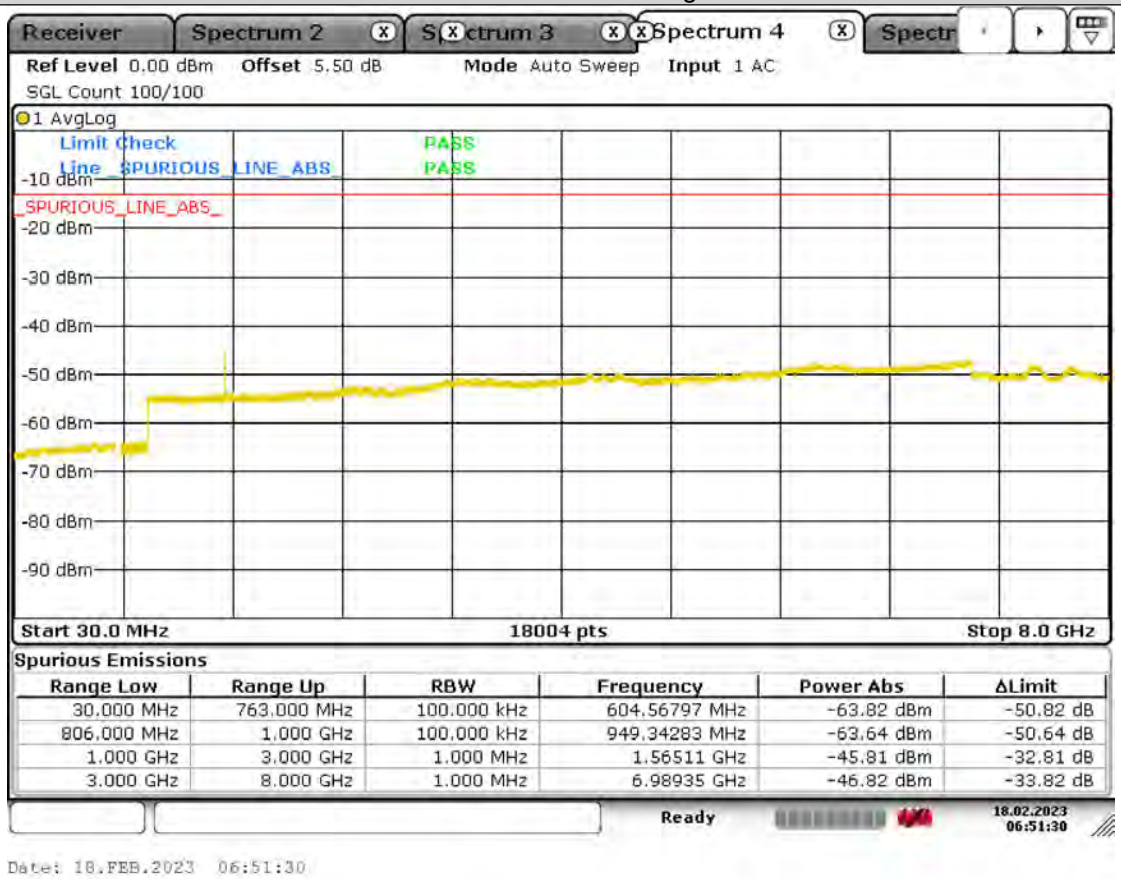
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	604.56797 MHz	-63.82 dBm	-50.82 dB
806.000 MHz	1.000 GHz	100.000 kHz	949.34283 MHz	-63.64 dBm	-50.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.81 dBm	-32.81 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98935 GHz	-46.82 dBm	-33.82 dB

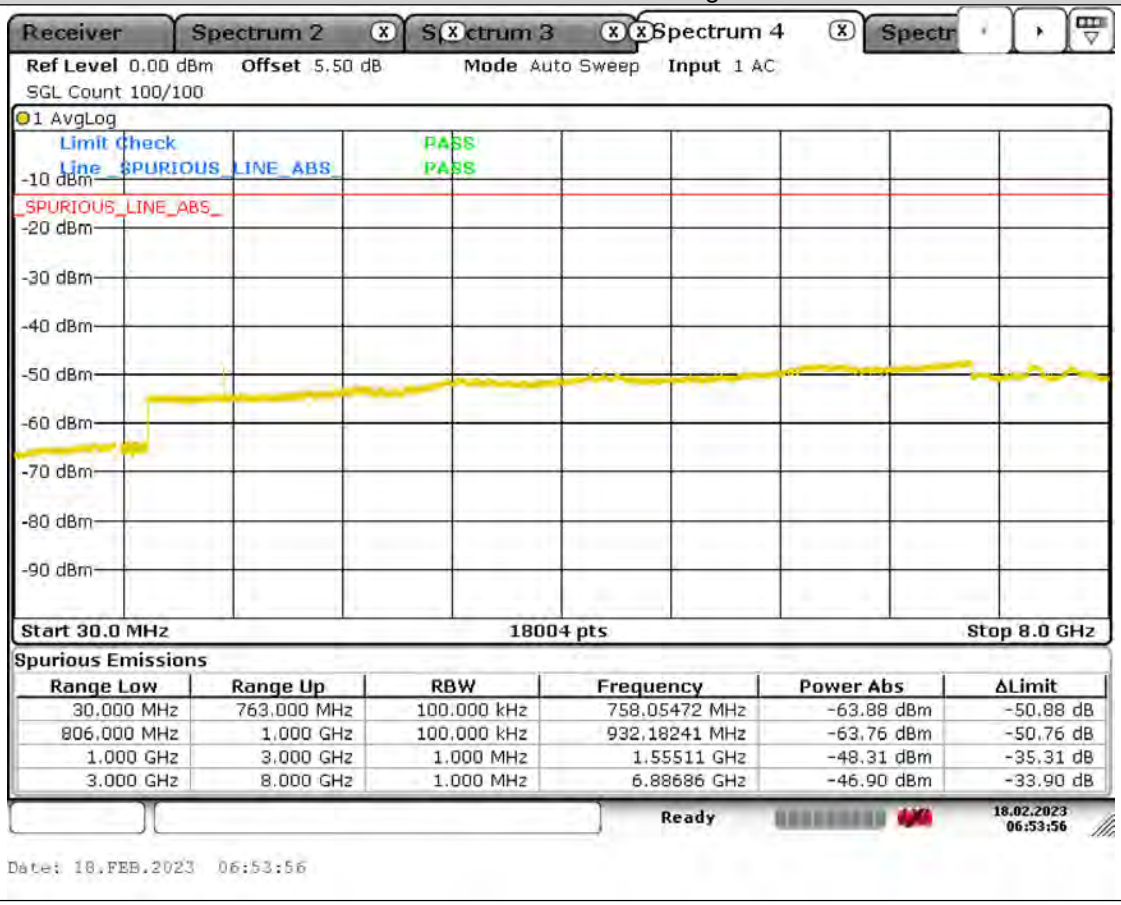
Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	604.56797 MHz	-63.82 dBm	-50.82 dB
806.000 MHz	1.000 GHz	100.000 kHz	949.34283 MHz	-63.64 dBm	-50.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.81 dBm	-32.81 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98935 GHz	-46.82 dBm	-33.82 dB

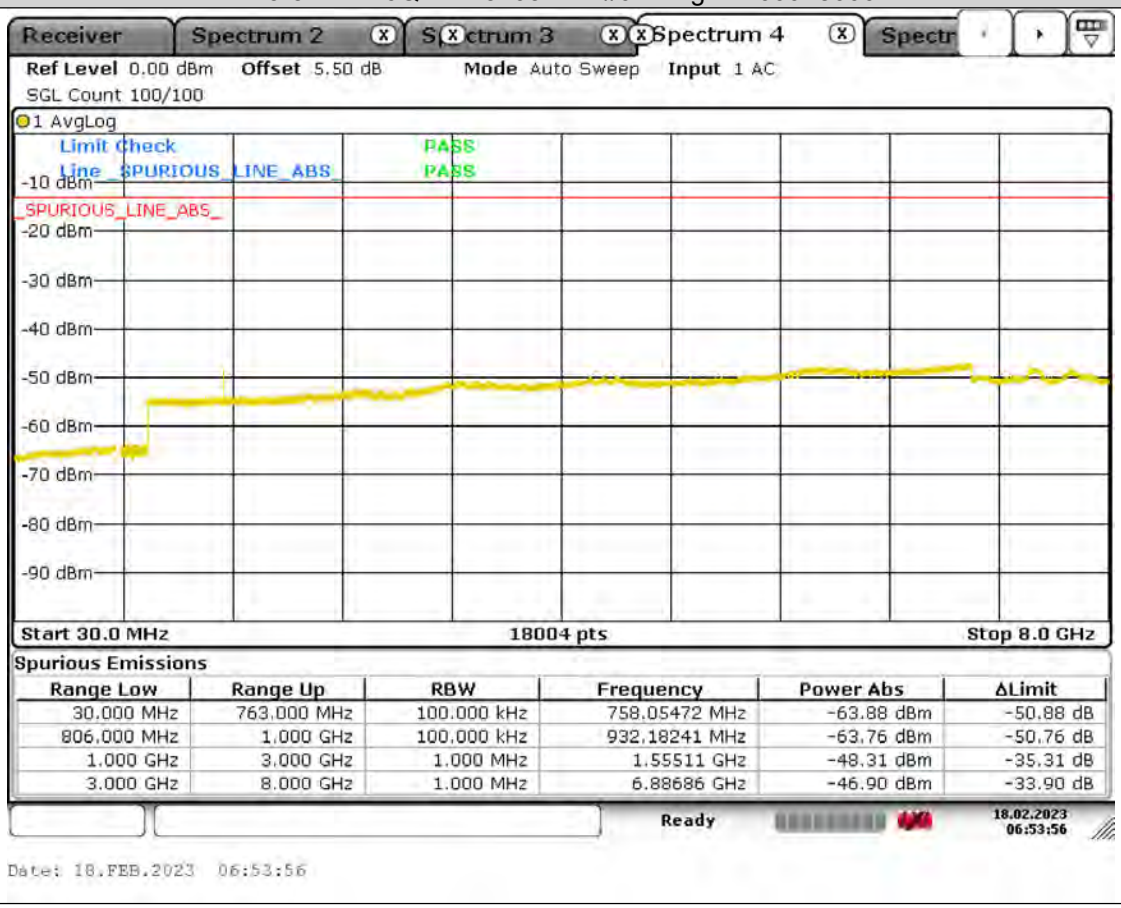
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



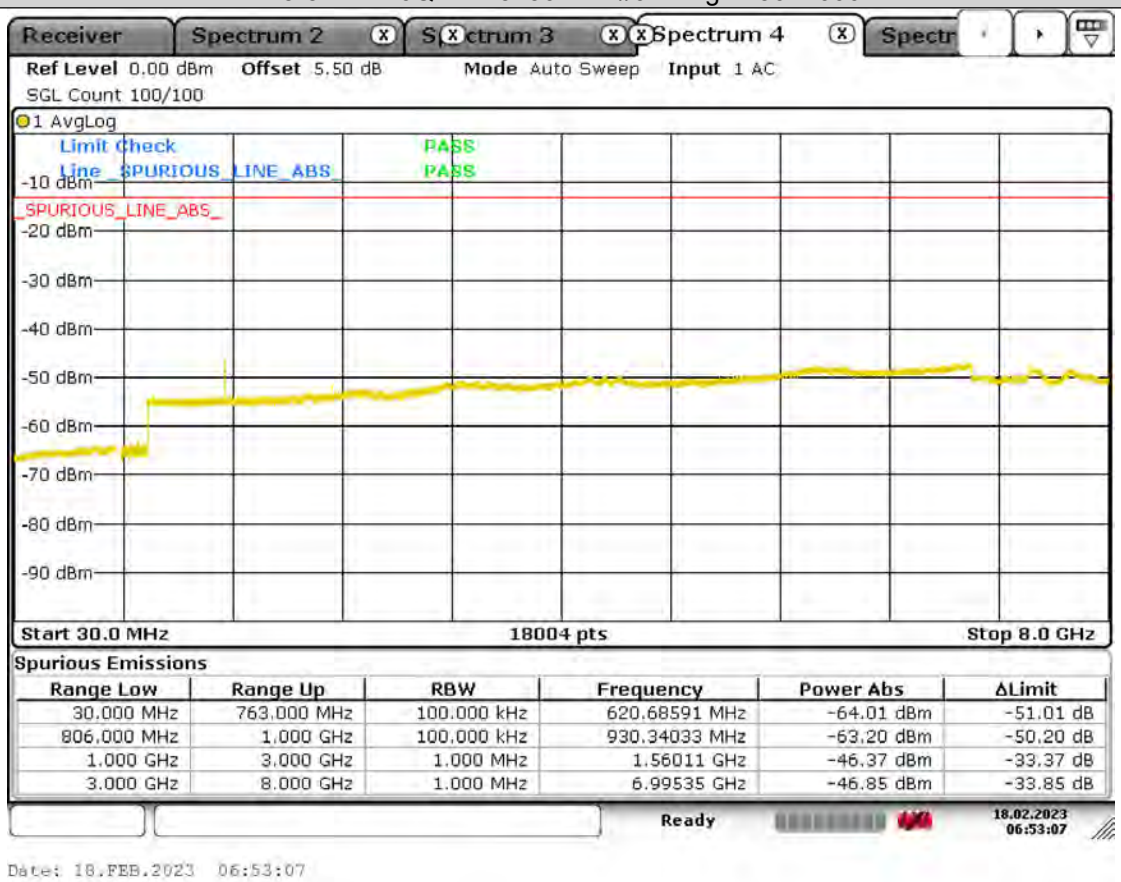
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	758.05472 MHz	-63.88 dBm	-50.88 dB
806.000 MHz	1.000 GHz	100.000 kHz	932.18241 MHz	-63.76 dBm	-50.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-48.31 dBm	-35.31 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88686 GHz	-46.90 dBm	-33.90 dB

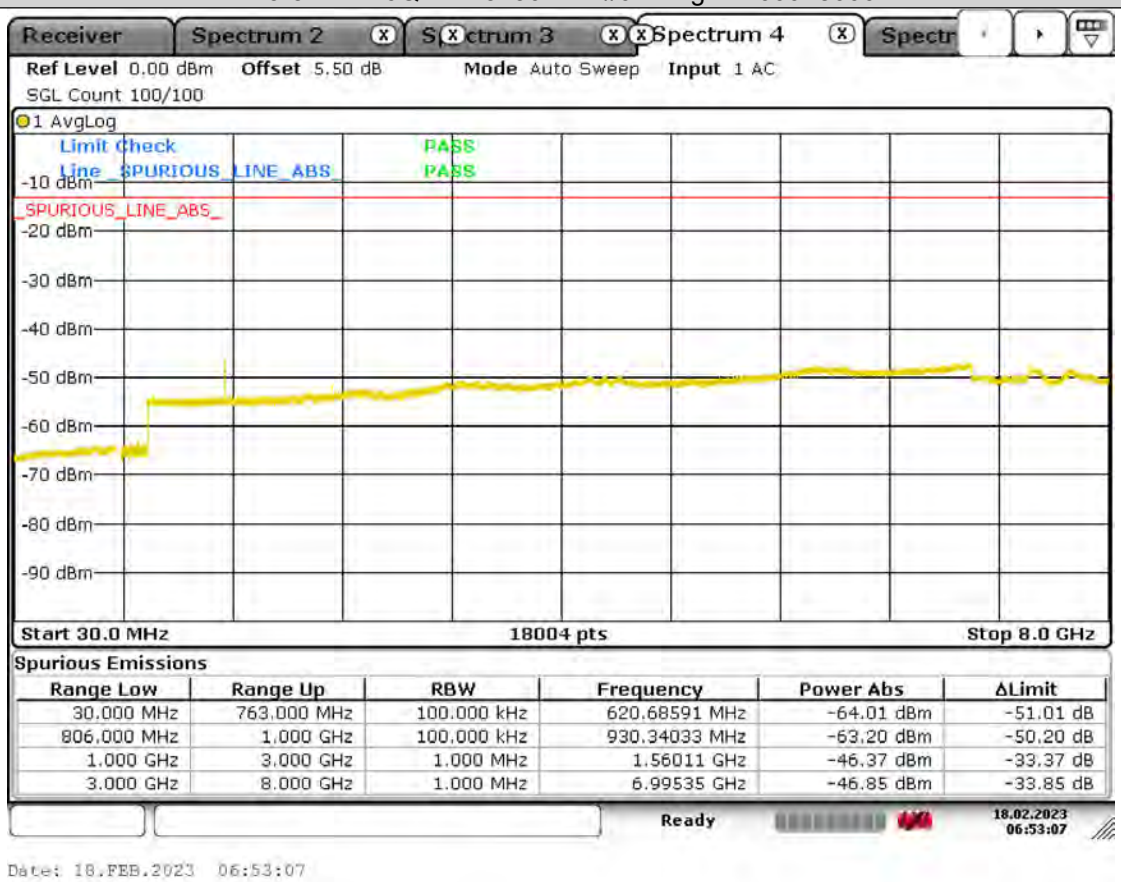
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~8000MHz



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



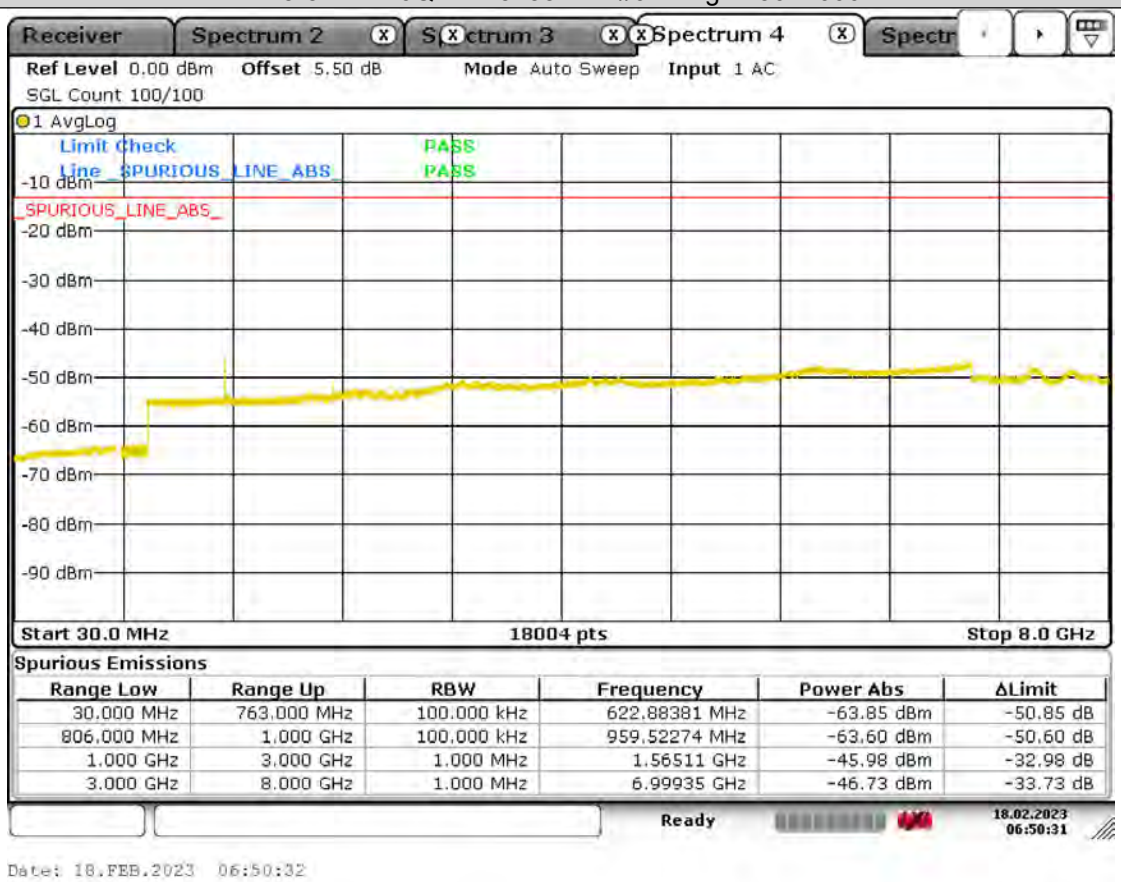
Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	620.68591 MHz	-64.01 dBm	-51.01 dB
806.000 MHz	1.000 GHz	100.000 kHz	930.34033 MHz	-63.20 dBm	-50.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99535 GHz	-46.85 dBm	-33.85 dB

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



Spurious Emissions

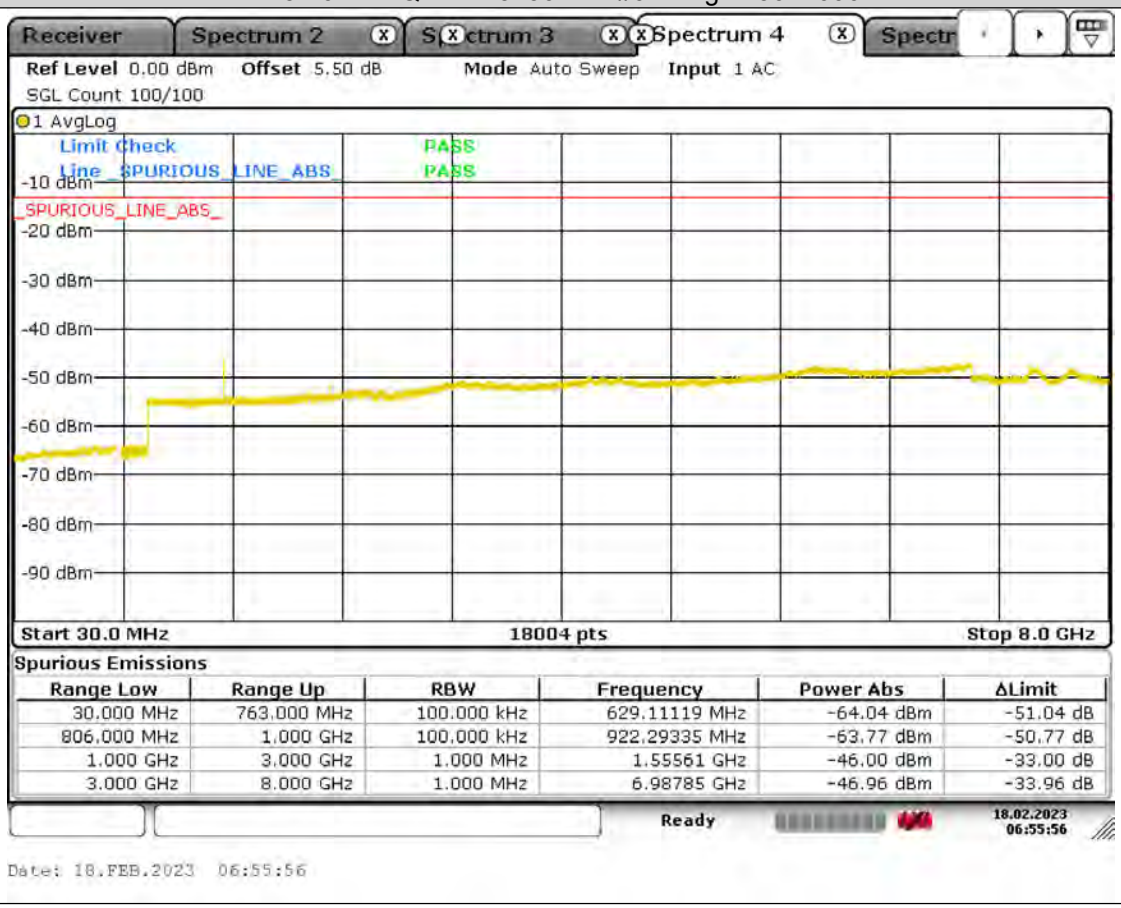
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	622.88381 MHz	-63.85 dBm	-50.85 dB
806.000 MHz	1.000 GHz	100.000 kHz	959.52274 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99935 GHz	-46.73 dBm	-33.73 dB

Band13-5MHz-16QAM-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	622.88381 MHz	-63.85 dBm	-50.85 dB
806.000 MHz	1.000 GHz	100.000 kHz	959.52274 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99935 GHz	-46.73 dBm	-33.73 dB

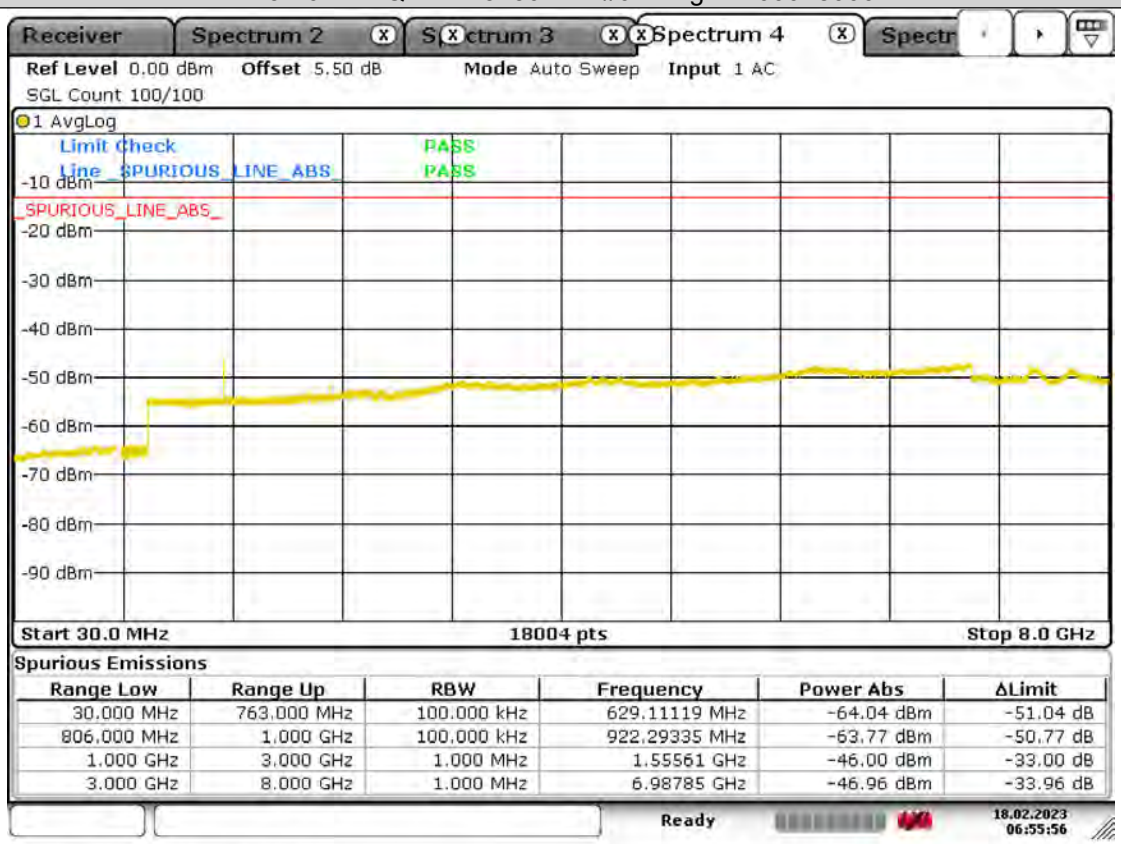
Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	629.11119 MHz	-64.04 dBm	-51.04 dB
806.000 MHz	1.000 GHz	100.000 kHz	922.29335 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98785 GHz	-46.96 dBm	-33.96 dB

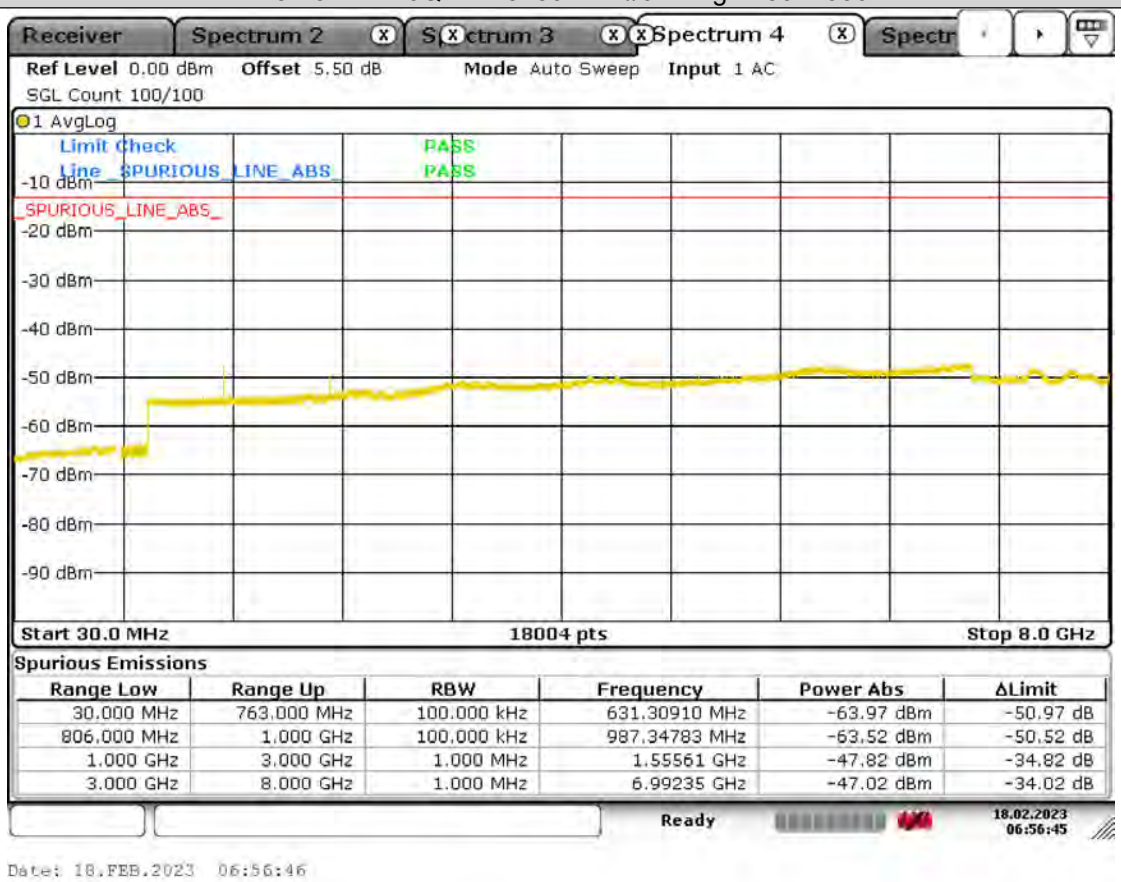
Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~8000MHz



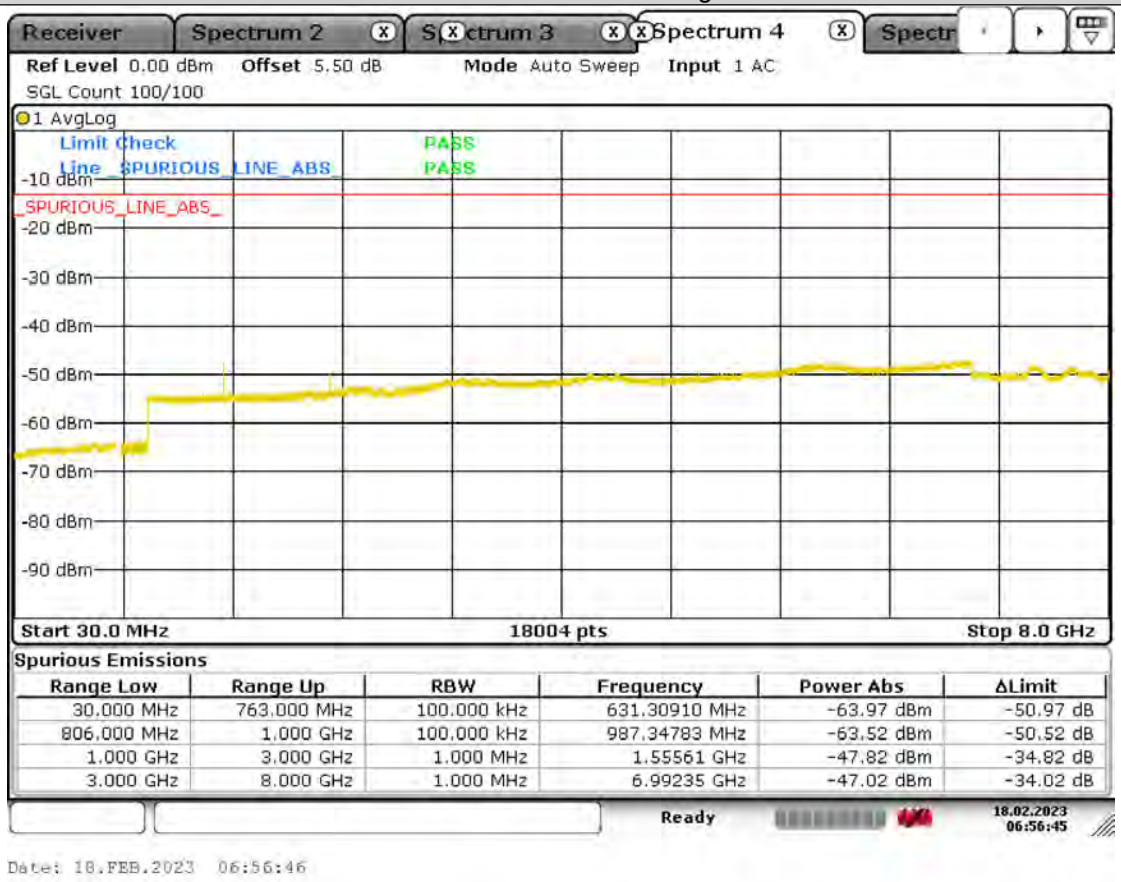
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	629.11119 MHz	-64.04 dBm	-51.04 dB
806.000 MHz	1.000 GHz	100.000 kHz	922.29335 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98785 GHz	-46.96 dBm	-33.96 dB

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



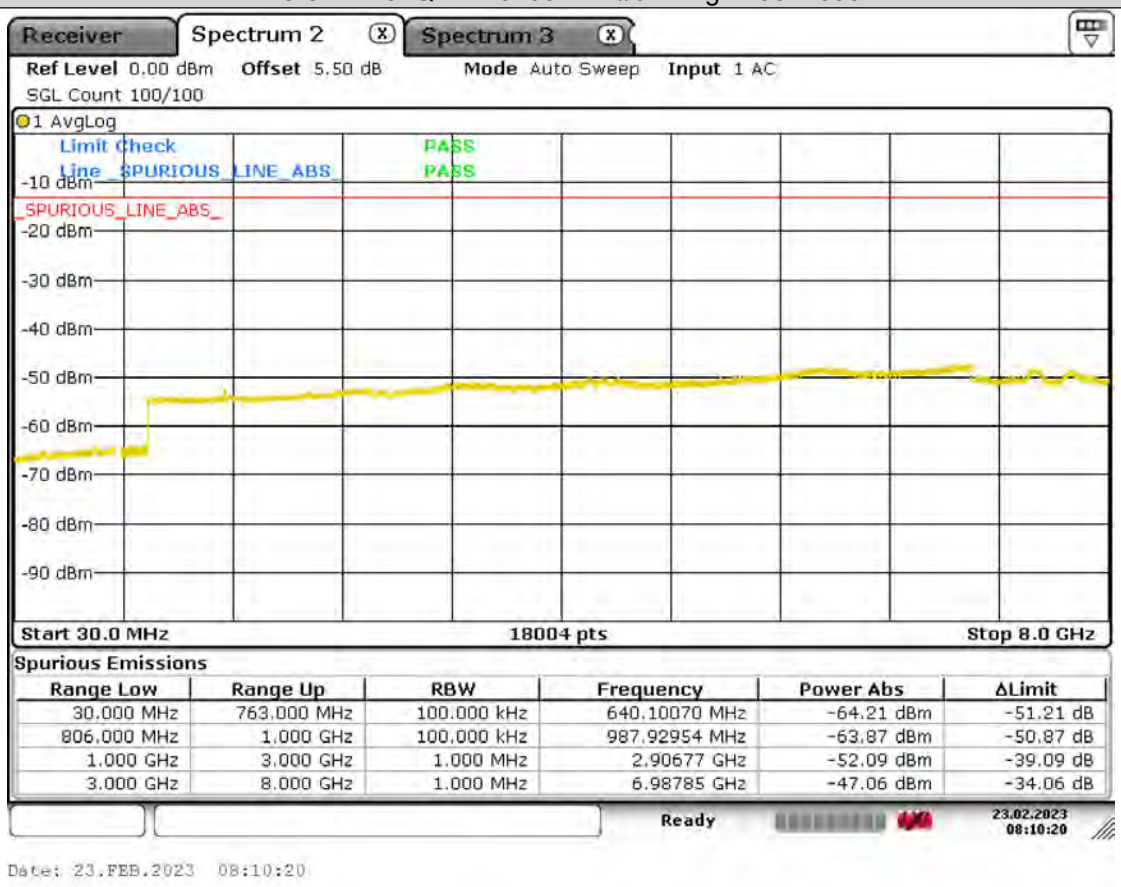
Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	631.30910 MHz	-63.97 dBm	-50.97 dB
806.000 MHz	1.000 GHz	100.000 kHz	987.34783 MHz	-63.52 dBm	-50.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-47.82 dBm	-34.82 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99235 GHz	-47.02 dBm	-34.02 dB

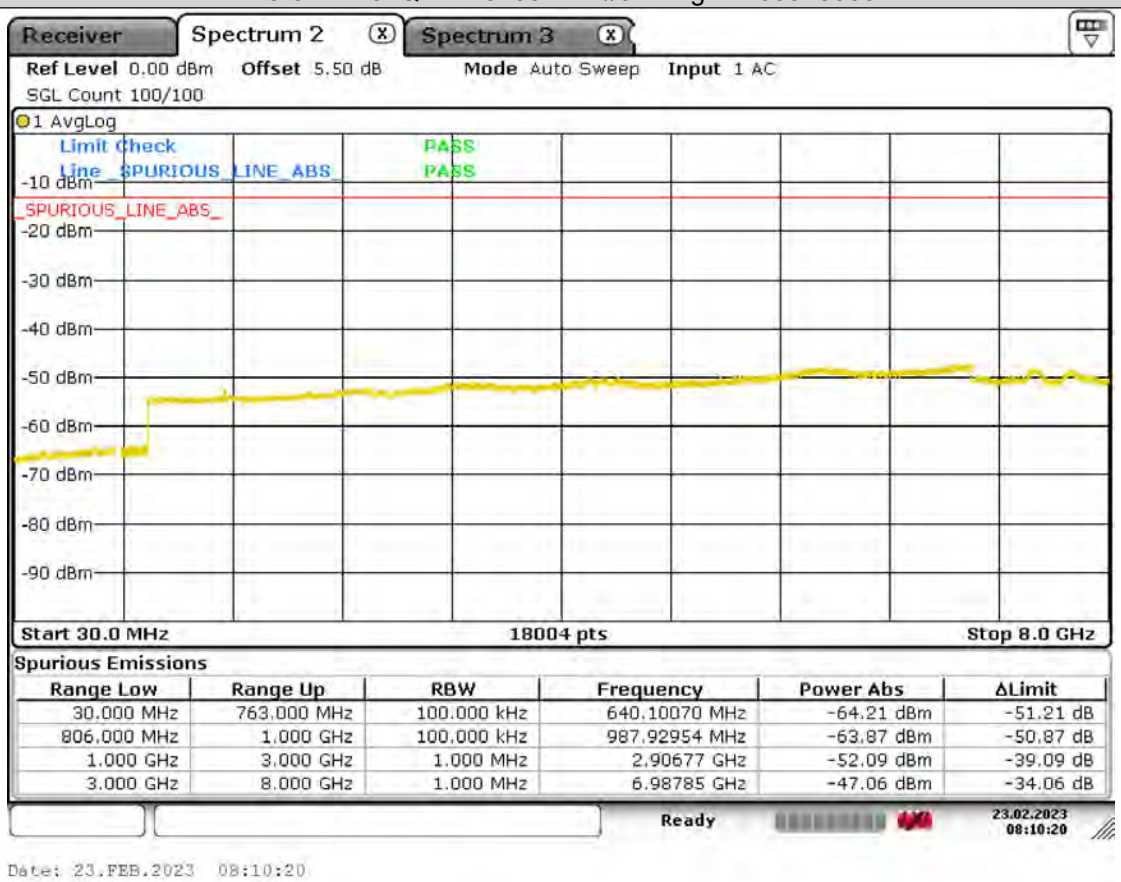
Band13-5MHz-64QAM-23205-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	640.10070 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	987.92954 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90677 GHz	-52.09 dBm	-39.09 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98785 GHz	-47.06 dBm	-34.06 dB

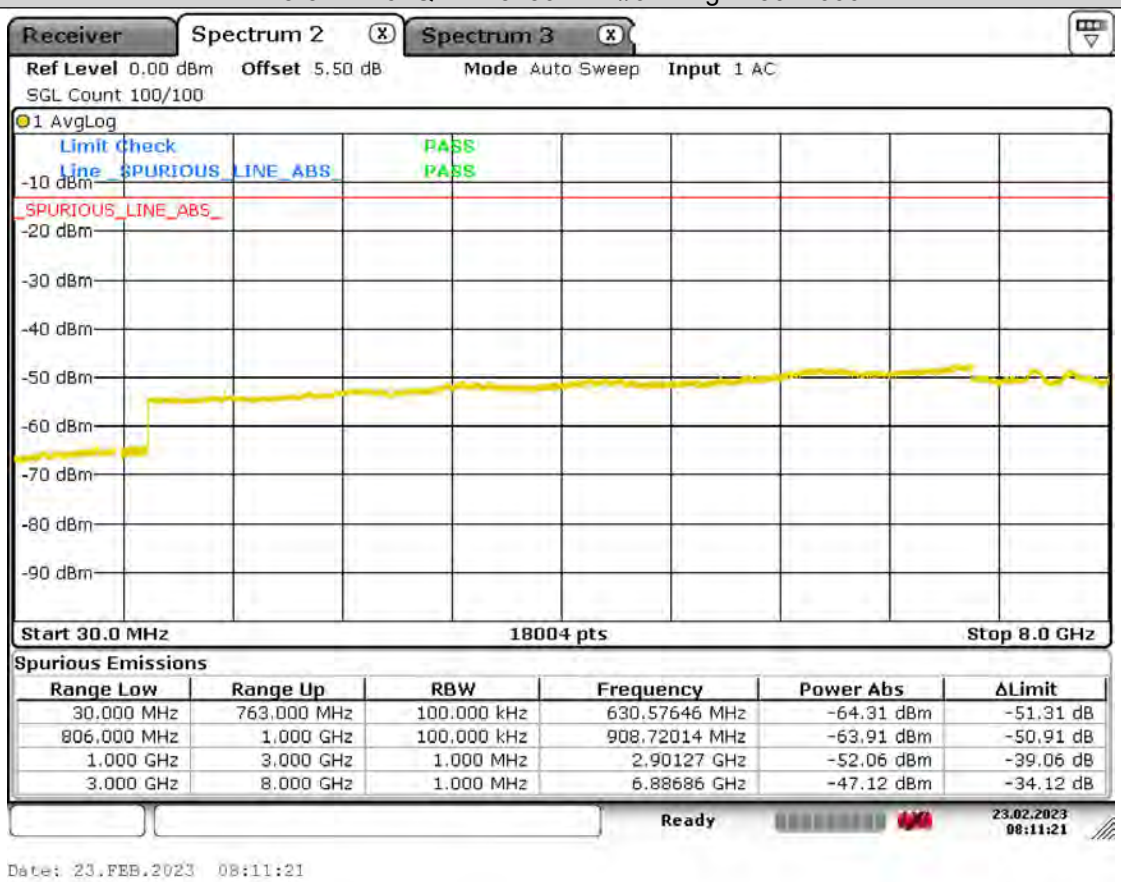
Band13-5MHz-64QAM-23205-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	640.10070 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	987.92954 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90677 GHz	-52.09 dBm	-39.09 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98785 GHz	-47.06 dBm	-34.06 dB

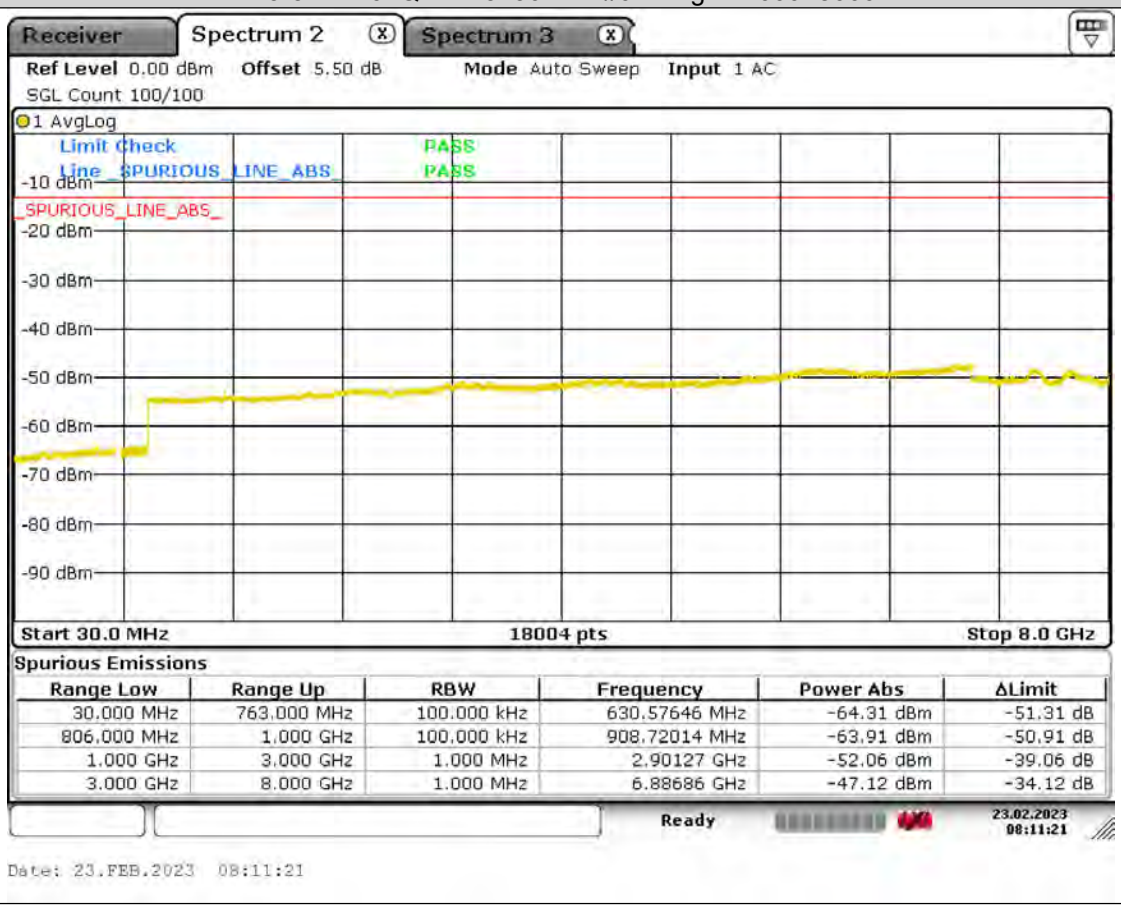
Band13-5MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	630.57646 MHz	-64.31 dBm	-51.31 dB
806.000 MHz	1.000 GHz	100.000 kHz	908.72014 MHz	-63.91 dBm	-50.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90127 GHz	-52.06 dBm	-39.06 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88686 GHz	-47.12 dBm	-34.12 dB

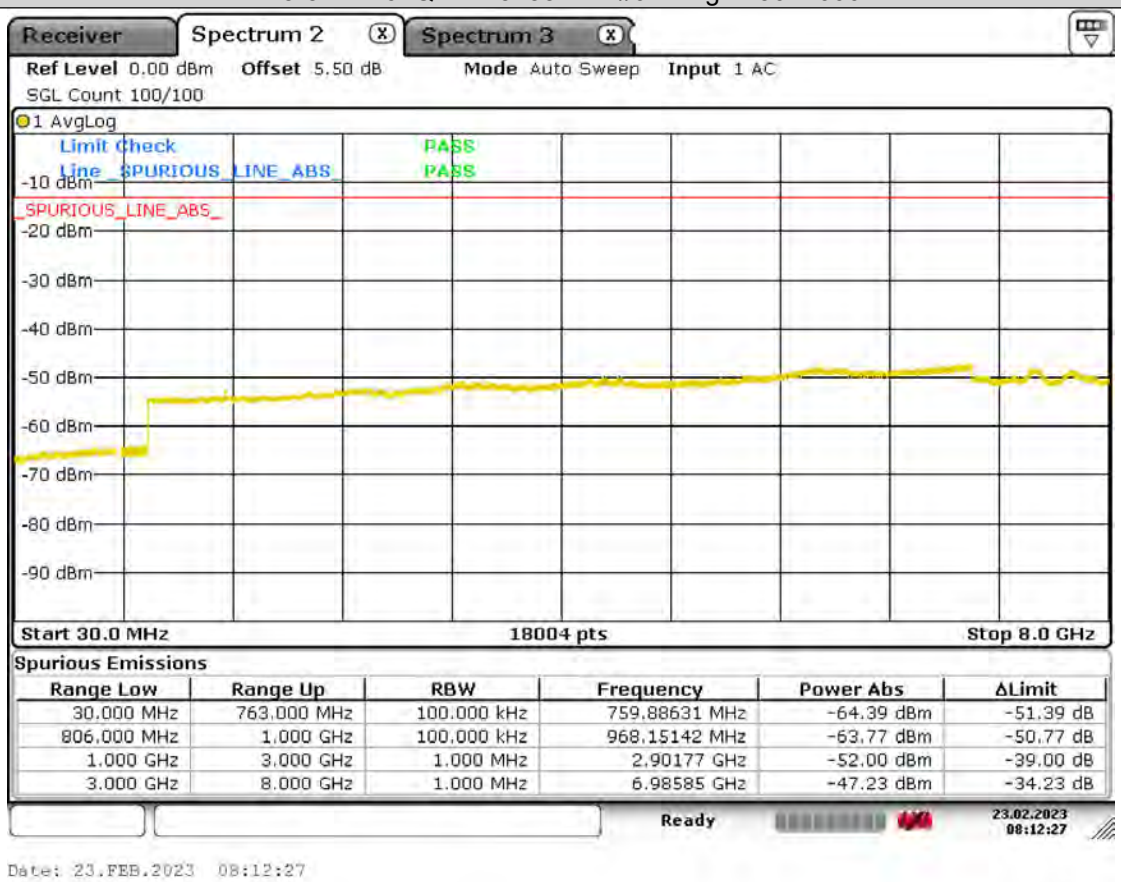
Band13-5MHz-64QAM-23230-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	630.57646 MHz	-64.31 dBm	-51.31 dB
806.000 MHz	1.000 GHz	100.000 kHz	908.72014 MHz	-63.91 dBm	-50.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90127 GHz	-52.06 dBm	-39.06 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88686 GHz	-47.12 dBm	-34.12 dB

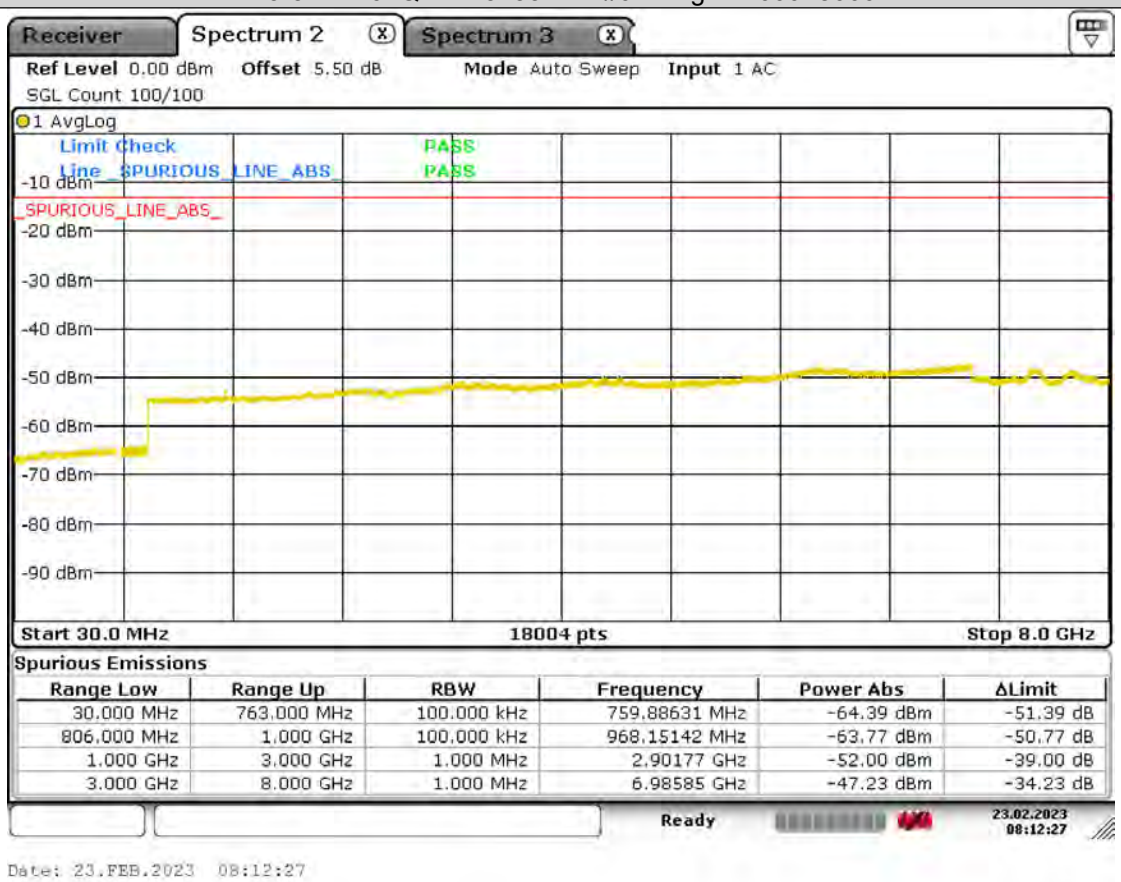
Band13-5MHz-64QAM-23255-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	759.88631 MHz	-64.39 dBm	-51.39 dB
806.000 MHz	1.000 GHz	100.000 kHz	968.15142 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90177 GHz	-52.00 dBm	-39.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98585 GHz	-47.23 dBm	-34.23 dB

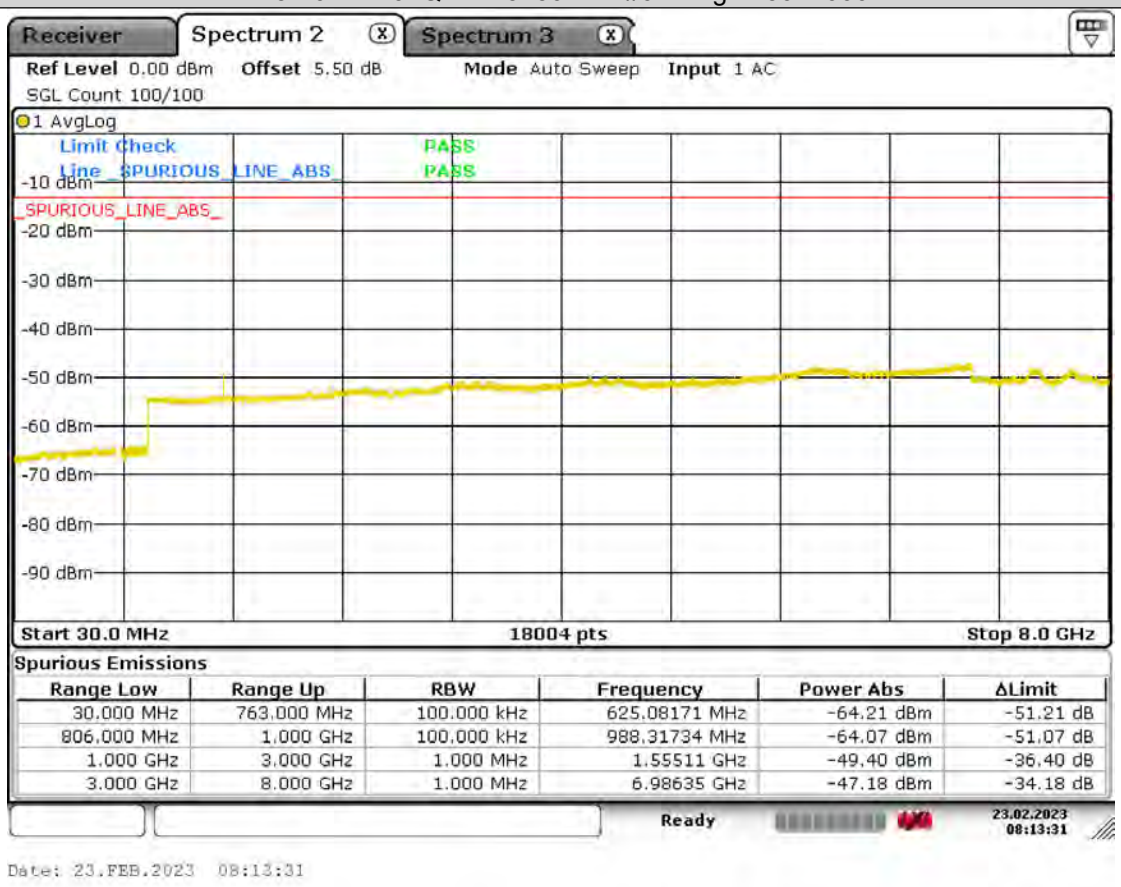
Band13-5MHz-64QAM-23255-1RB#0-Range2:1000~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	759.88631 MHz	-64.39 dBm	-51.39 dB
806.000 MHz	1.000 GHz	100.000 kHz	968.15142 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90177 GHz	-52.00 dBm	-39.00 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98585 GHz	-47.23 dBm	-34.23 dB

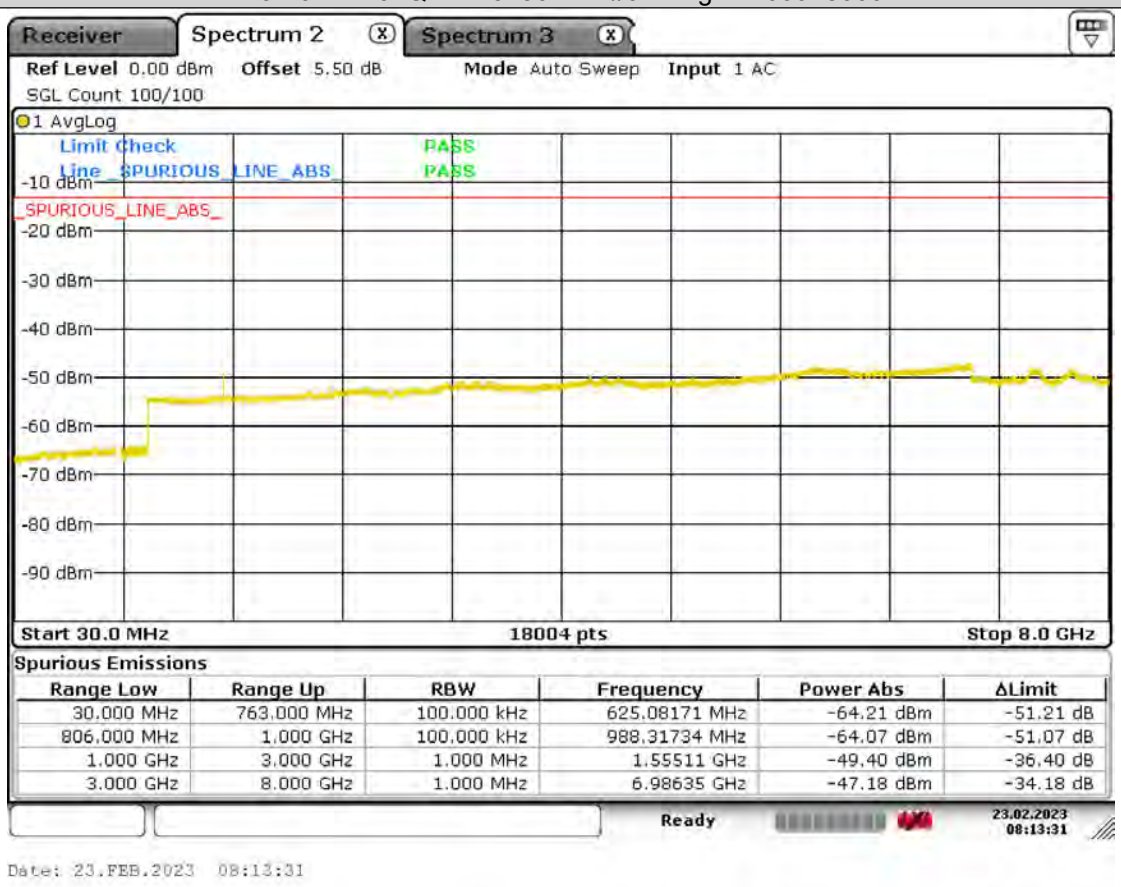
Band13-10MHz-64QAM-23230-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	625.08171 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	988.31734 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-49.40 dBm	-36.40 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98635 GHz	-47.18 dBm	-34.18 dB

Band13-10MHz-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	625.08171 MHz	-64.21 dBm	-51.21 dB
806.000 MHz	1.000 GHz	100.000 kHz	988.31734 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-49.40 dBm	-36.40 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98635 GHz	-47.18 dBm	-34.18 dB

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	13.21	0.016893	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-0.9	-0.001151	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-24.2	-0.030946	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	27	0.034527	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	0.6	0.000767	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	17.5	0.022379	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VL	NT	14.21	0.018171	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VN	NT	-16.6	-0.021228	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VH	NT	-9.6	-0.012276	±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	9.21	0.011777	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-11.2	-0.014322	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-14.8	-0.018926	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	22.8	0.029156	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	1	0.001279	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-2	-0.002558	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	6.1	0.007801	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-21.9	-0.028005	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-20.6	-0.026343	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-7.2	-0.009207	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-1.1	-0.001407	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-24.9	-0.031841	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-6.9	-0.008824	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-7.4	-0.009463	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-8	-0.010230	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-22.4	-0.028645	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-30	14.23	0.018197	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-20	-9.6	-0.012276	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	0	5.3	0.006777	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	10	-12.5	-0.015985	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	20	1	0.001279	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	30	16.3	0.020844	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	40	-20	-0.025575	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	50	-9.8	-0.012532	±2.5	PASS

LTE BAND66

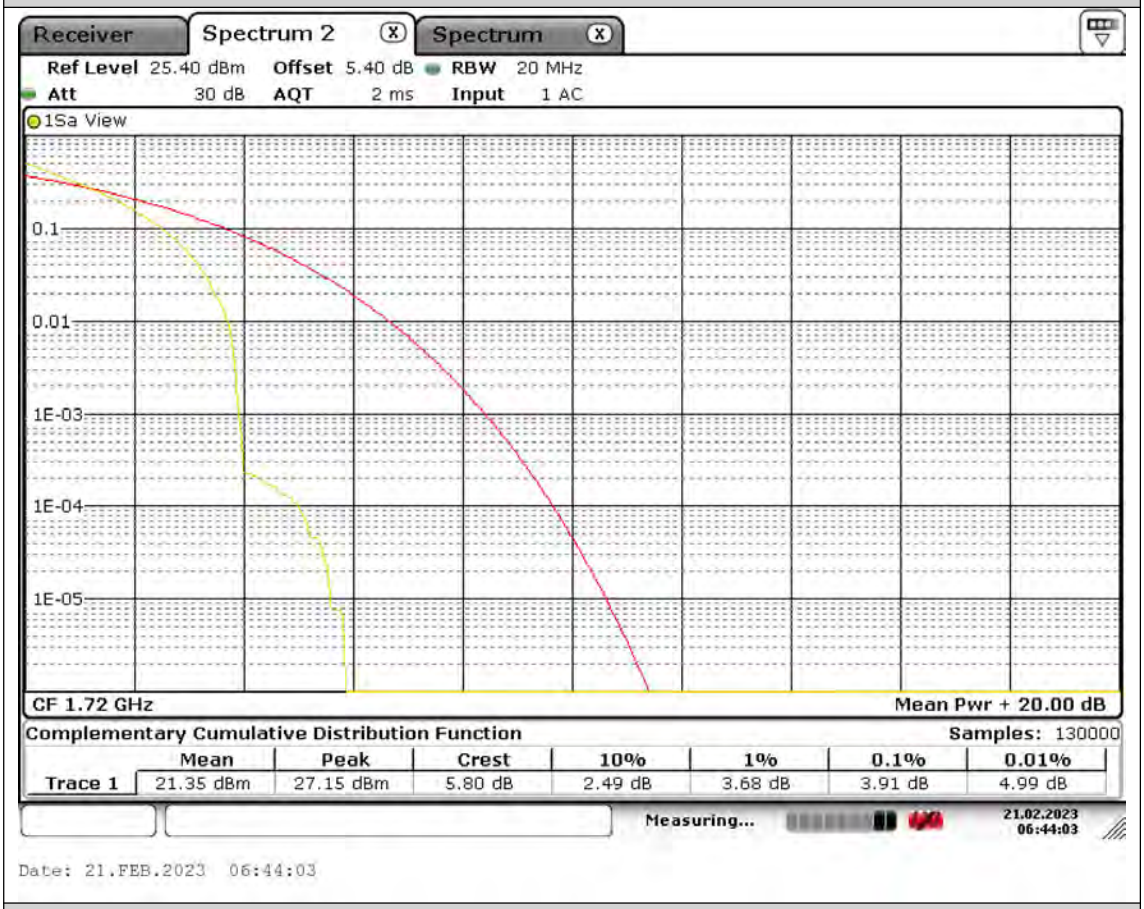
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

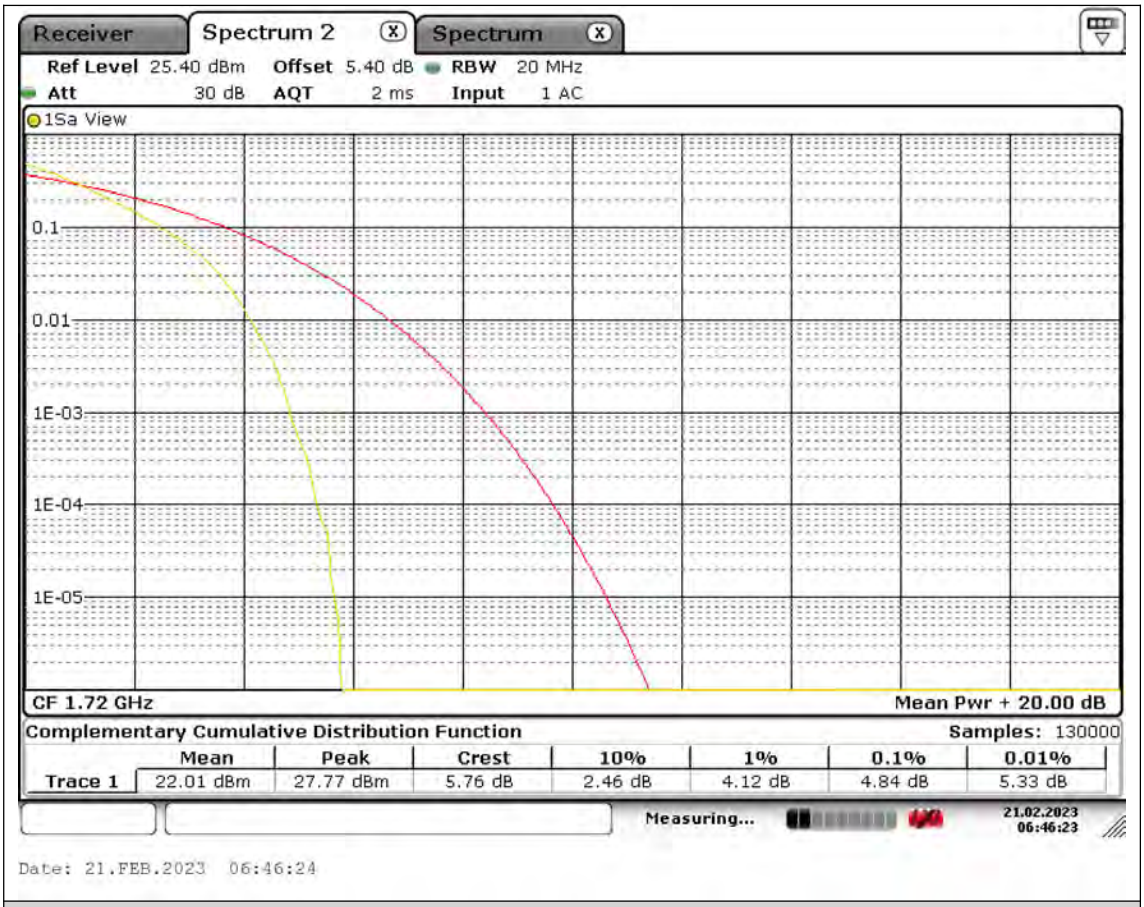
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	3.91	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	4.84	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	4.75	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.49	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	4.41	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.83	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	5.45	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.91	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.97	13	PASS
Band66	20MHz	64QAM	132072	1RB#0	4.41	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.32	13	PASS
Band66	20MHz	64QAM	132322	1RB#0	6.12	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.23	13	PASS
Band66	20MHz	64QAM	132572	1RB#0	5.91	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.26	13	PASS

Test Graphs

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



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



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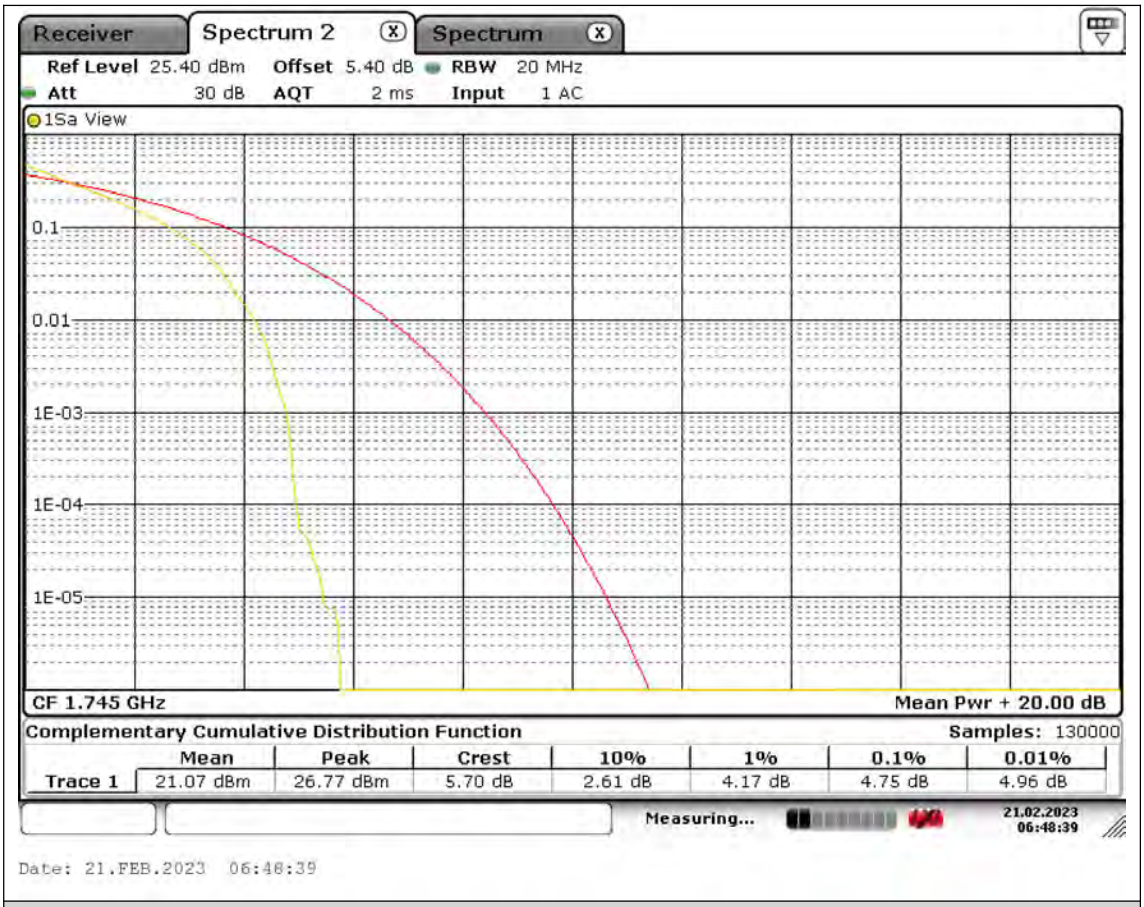

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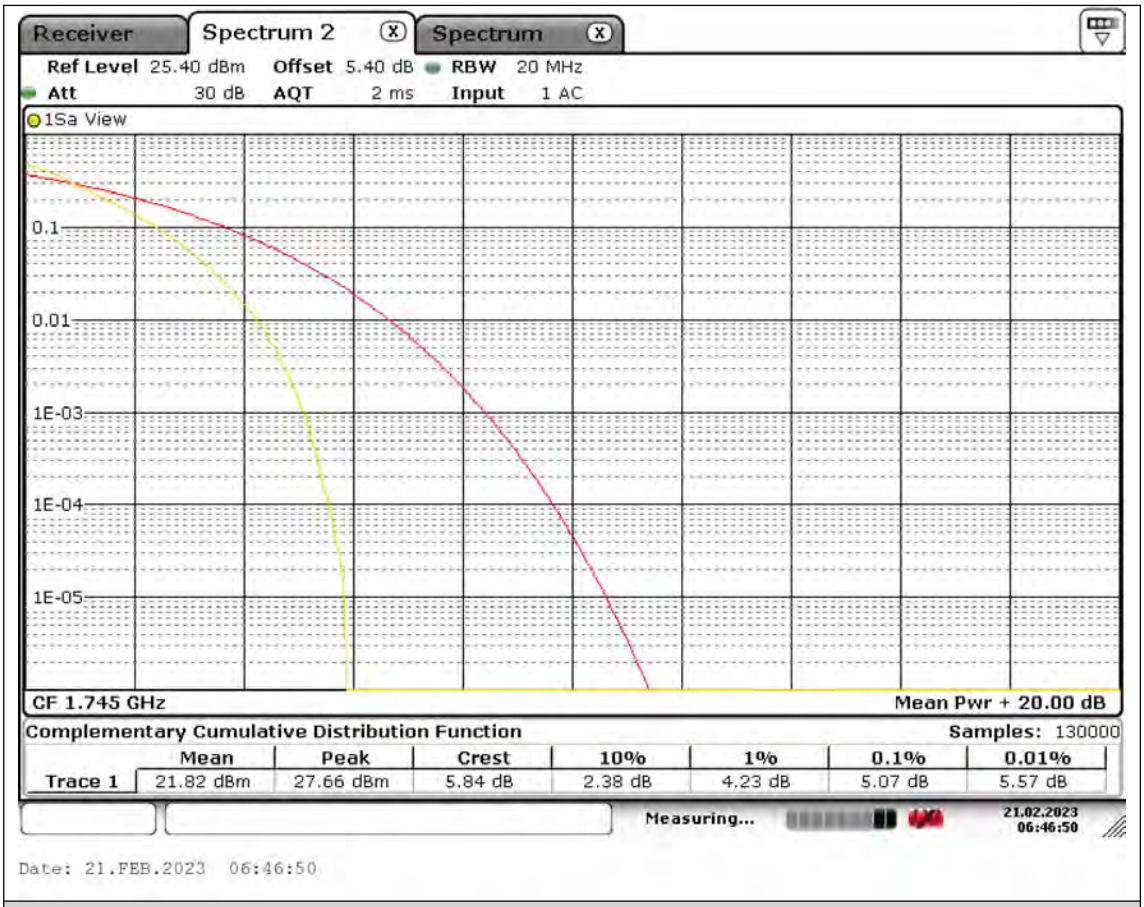
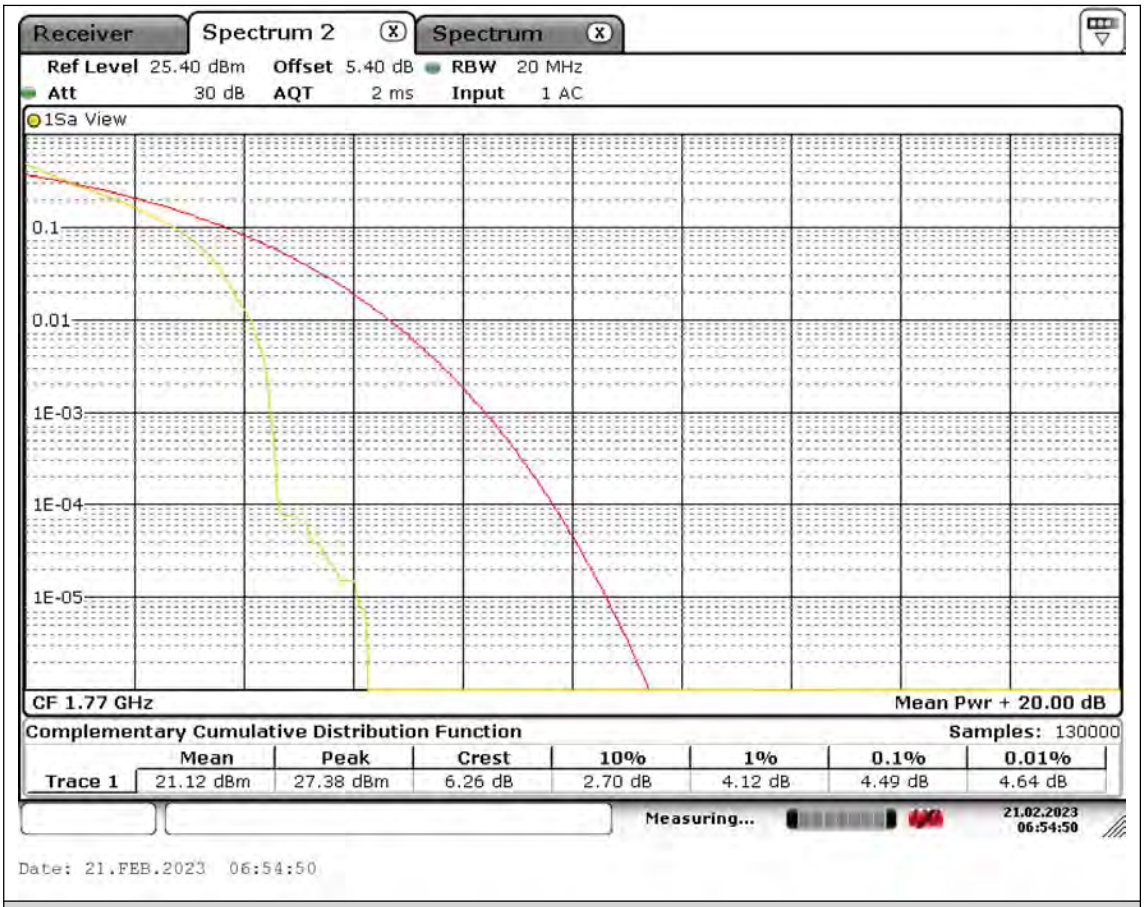


Band66-20MHz-QPSK-132572-1RB#0



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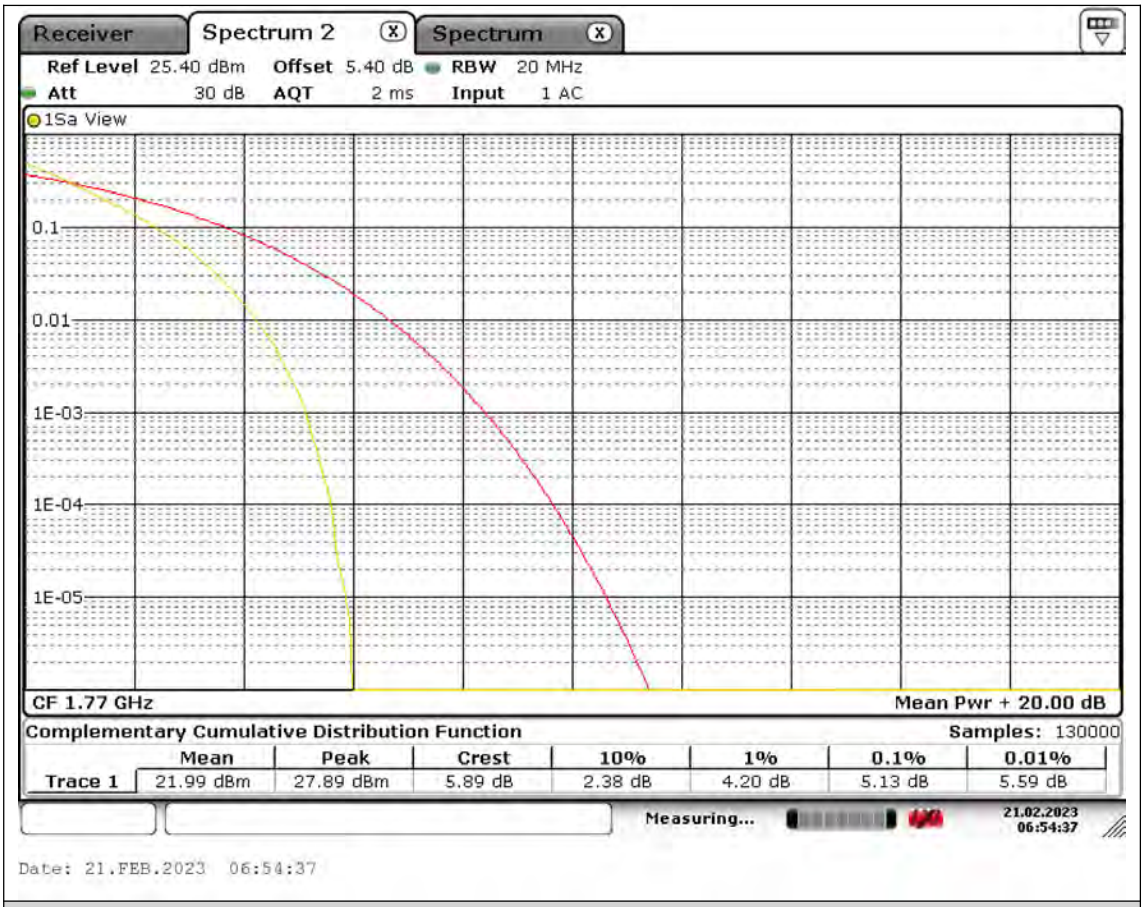
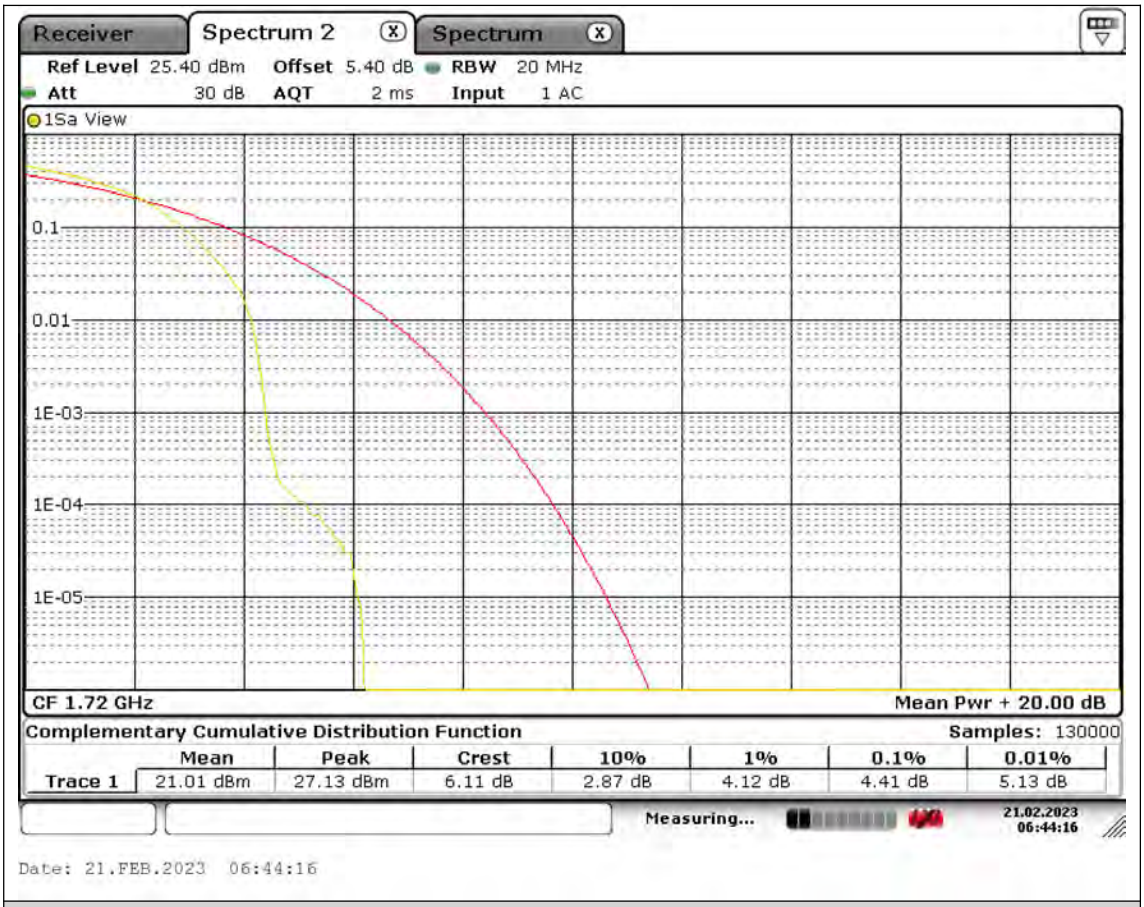
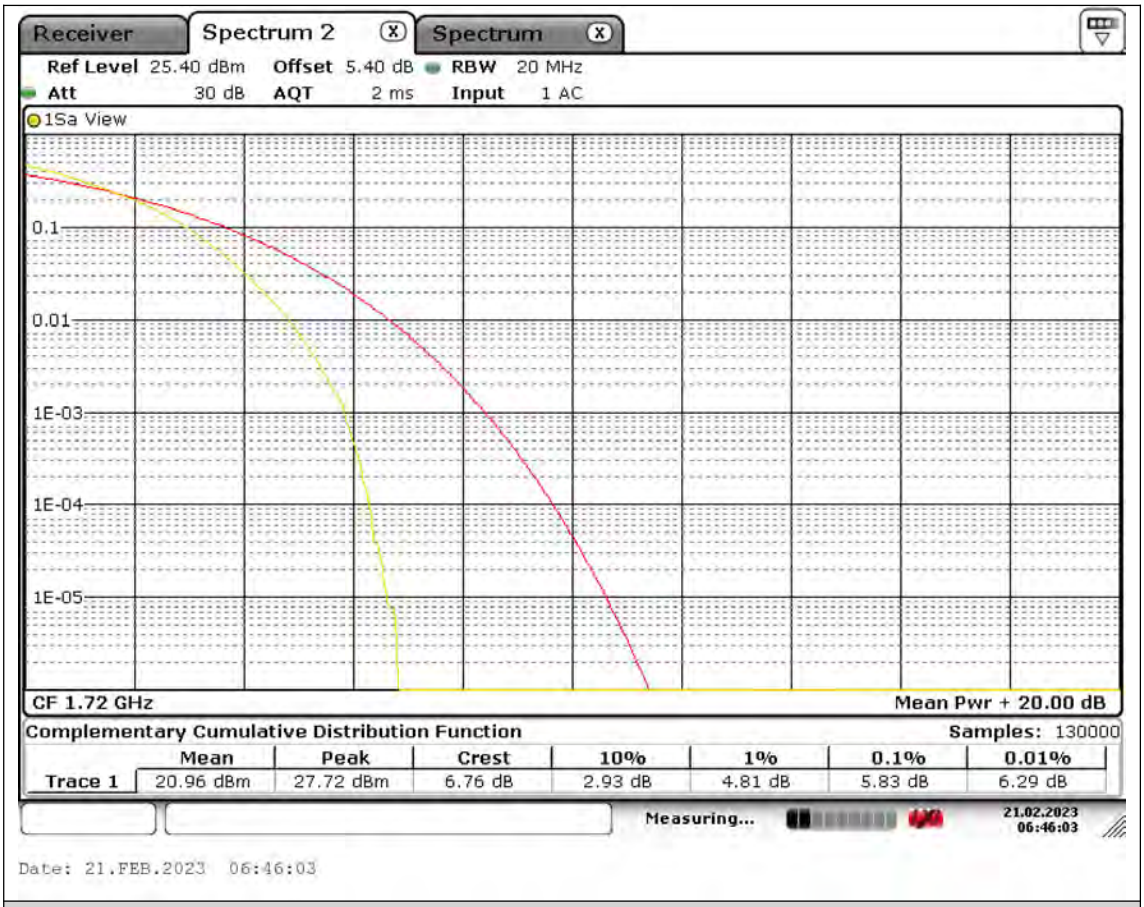


Band66-20MHz-16QAM-132072-1RB#0

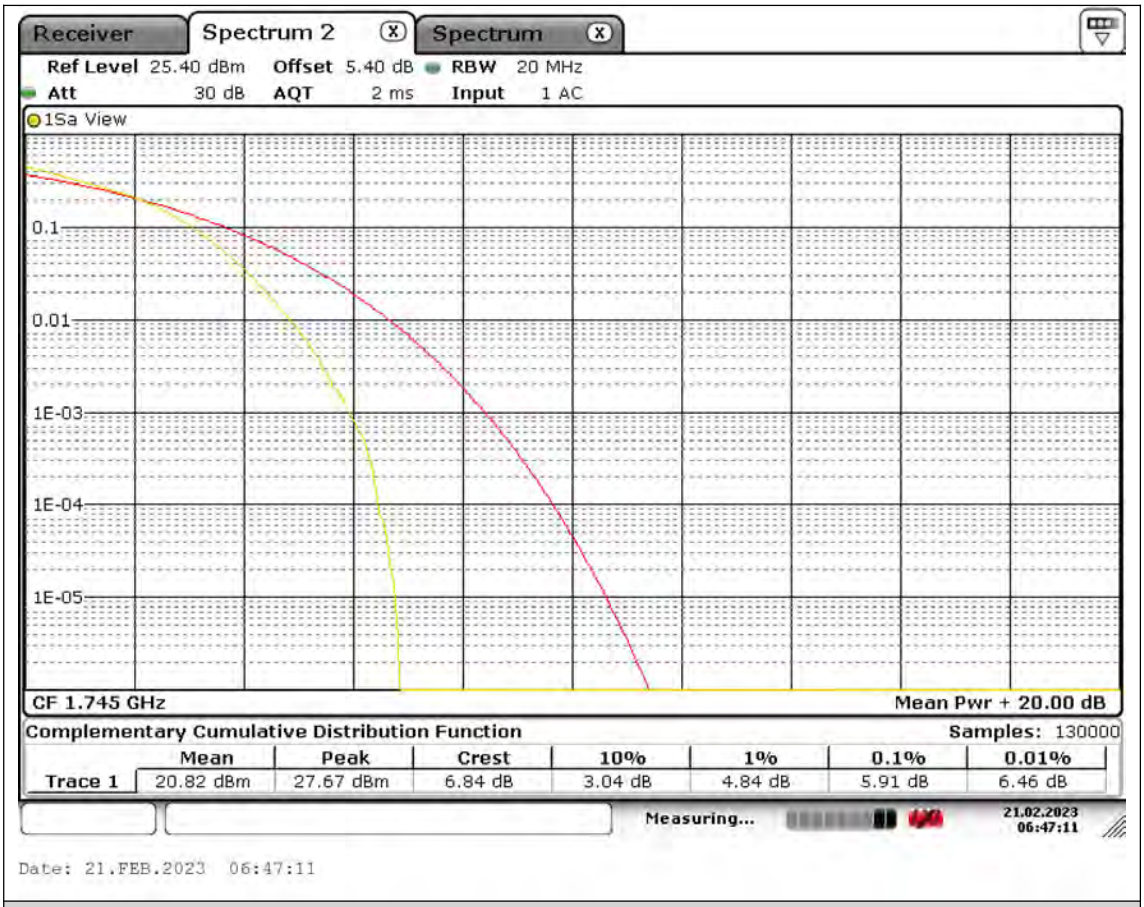


Band66-20MHz-16QAM-132072-100RB#0



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

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



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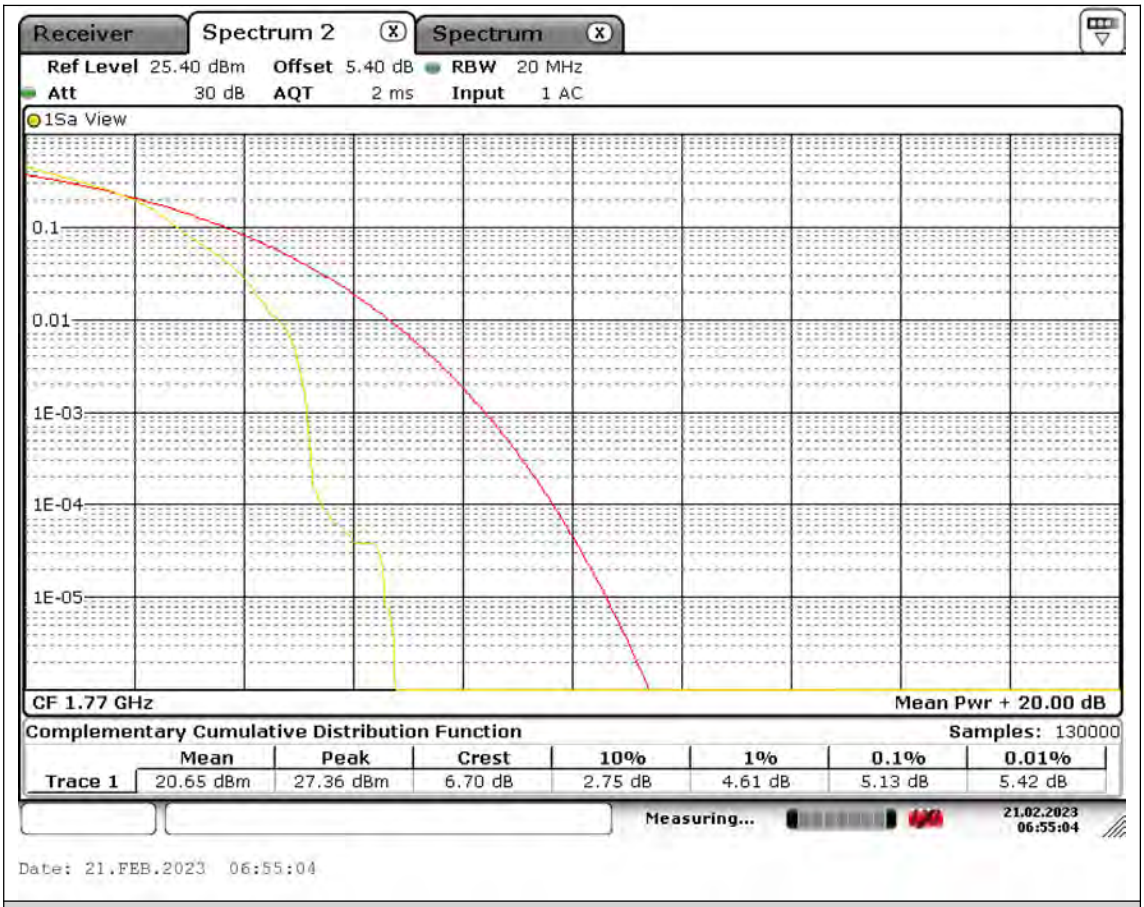
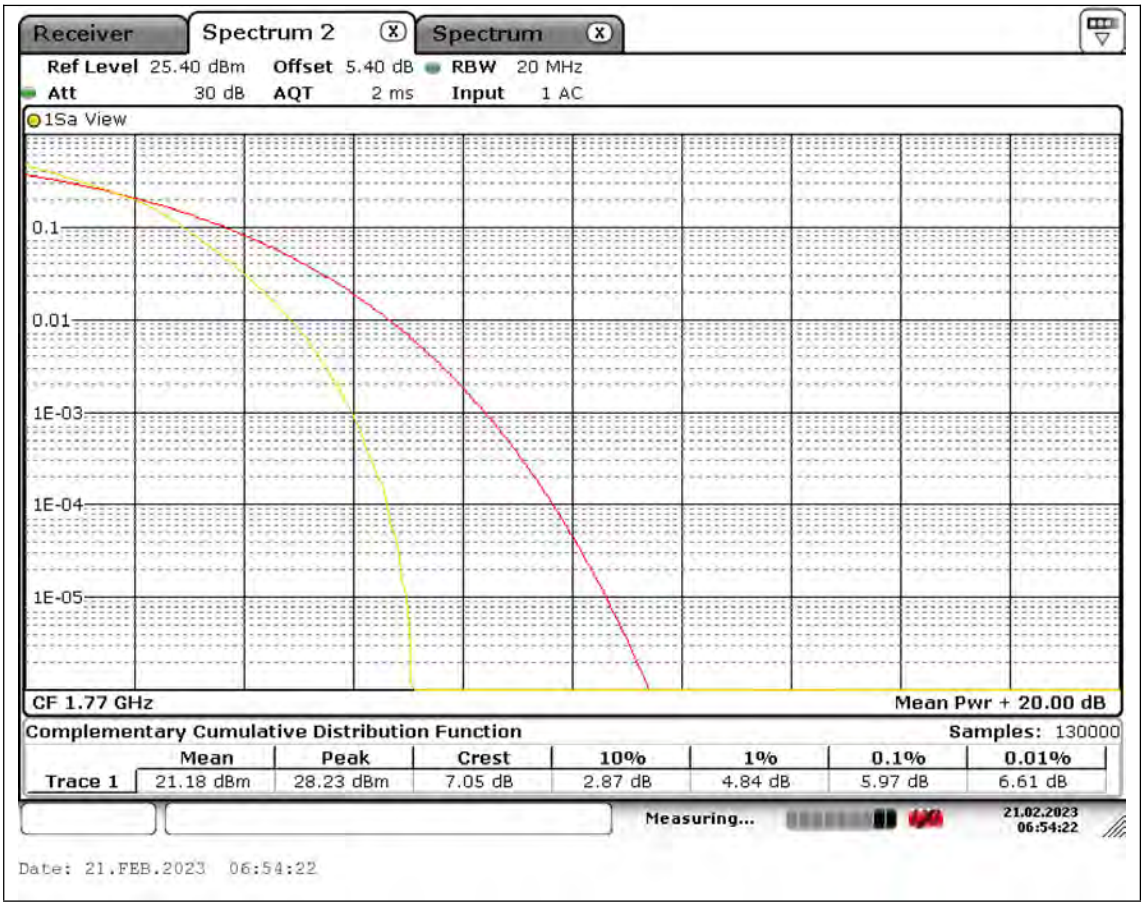
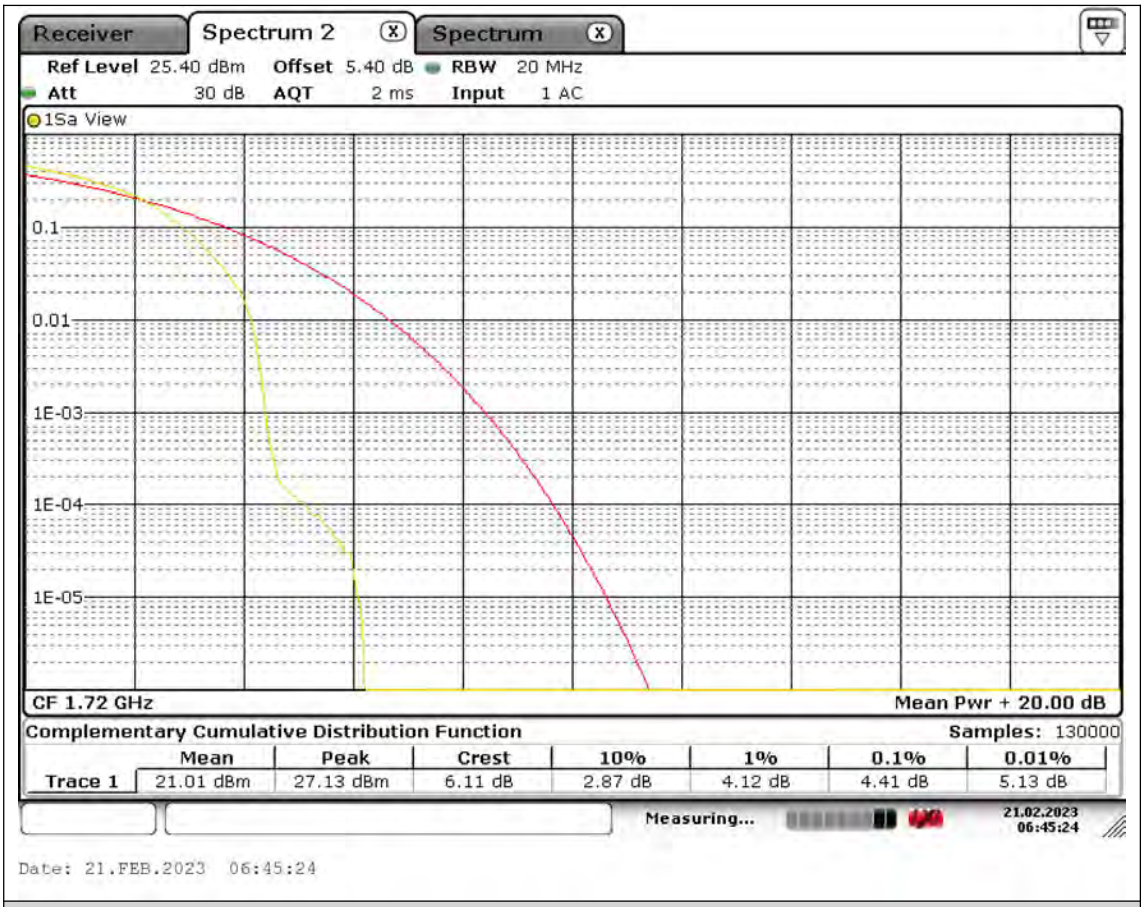


Band66-20MHz-16QAM-132572-100RB#0



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



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