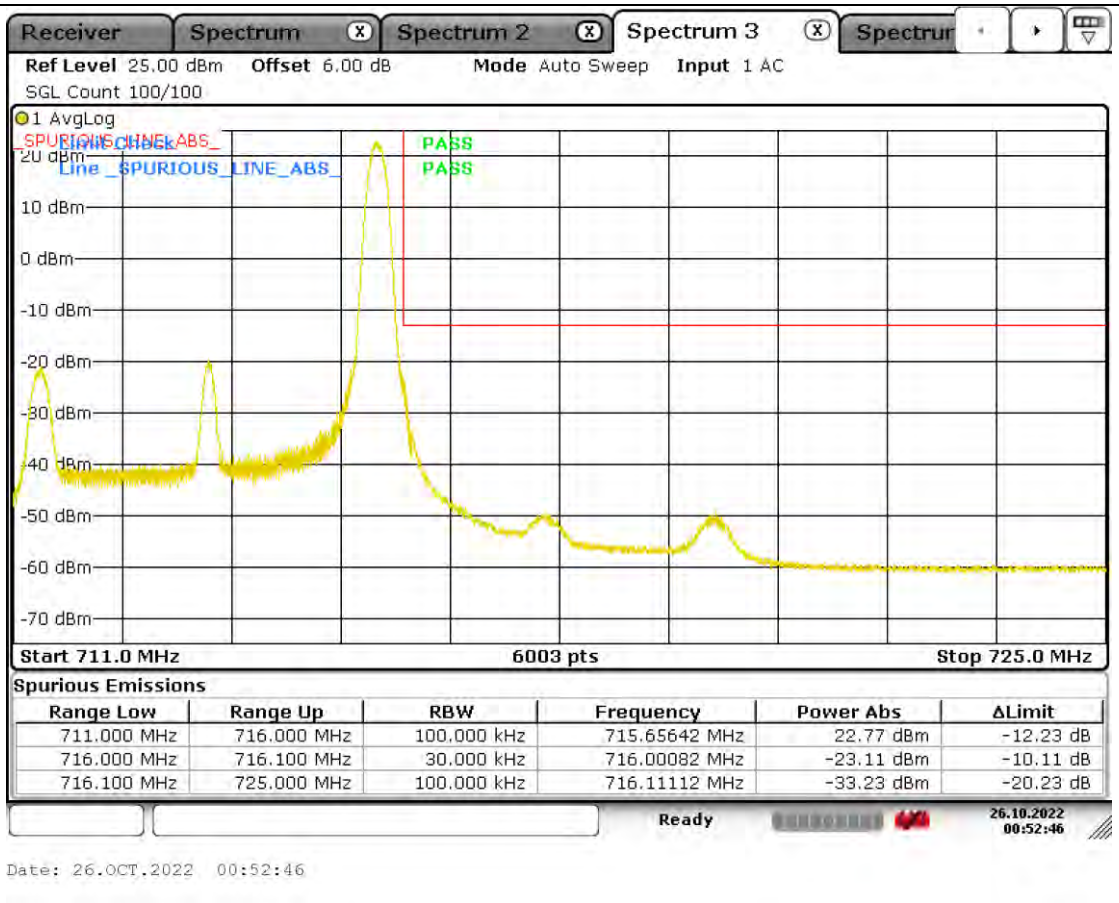
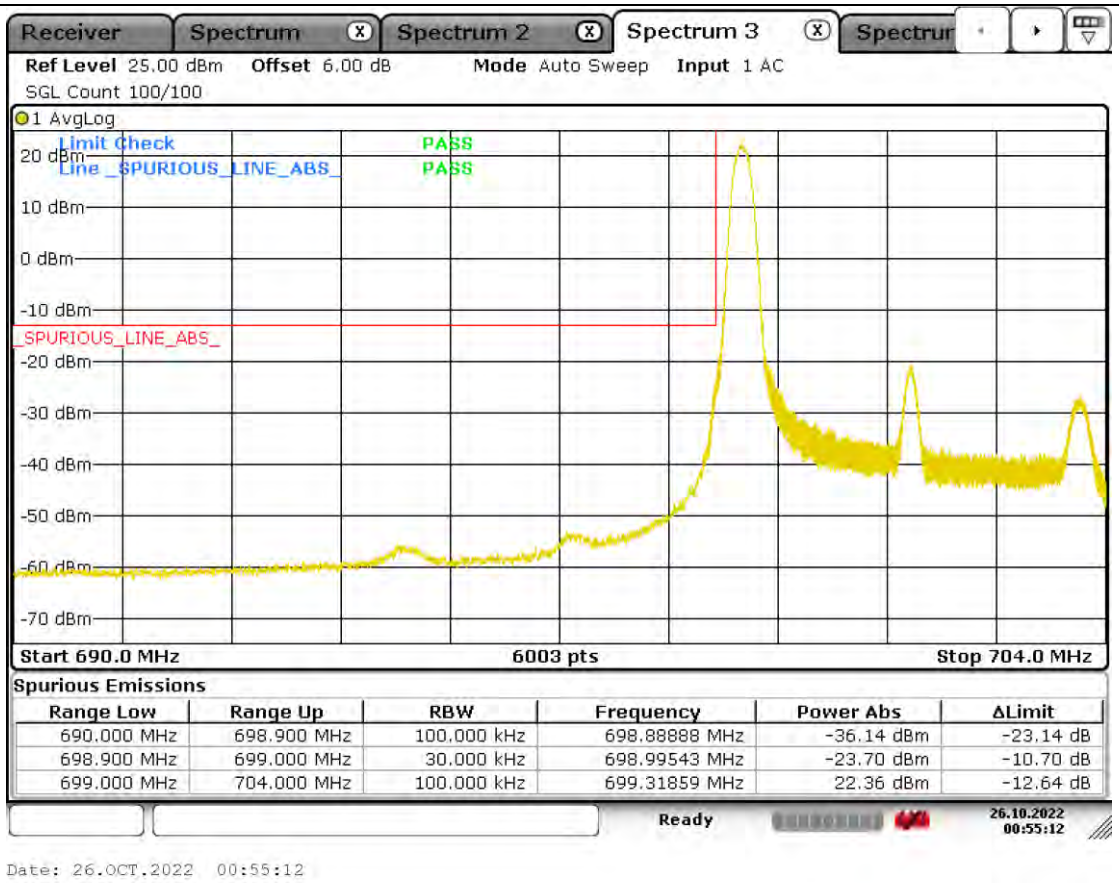


Band12-5MHz-QPSK-23155-25RB#0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.55047 MHz	7.94 dBm	-27.06 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00142 MHz	-35.79 dBm	-22.79 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11557 MHz	-37.11 dBm	-24.11 dB

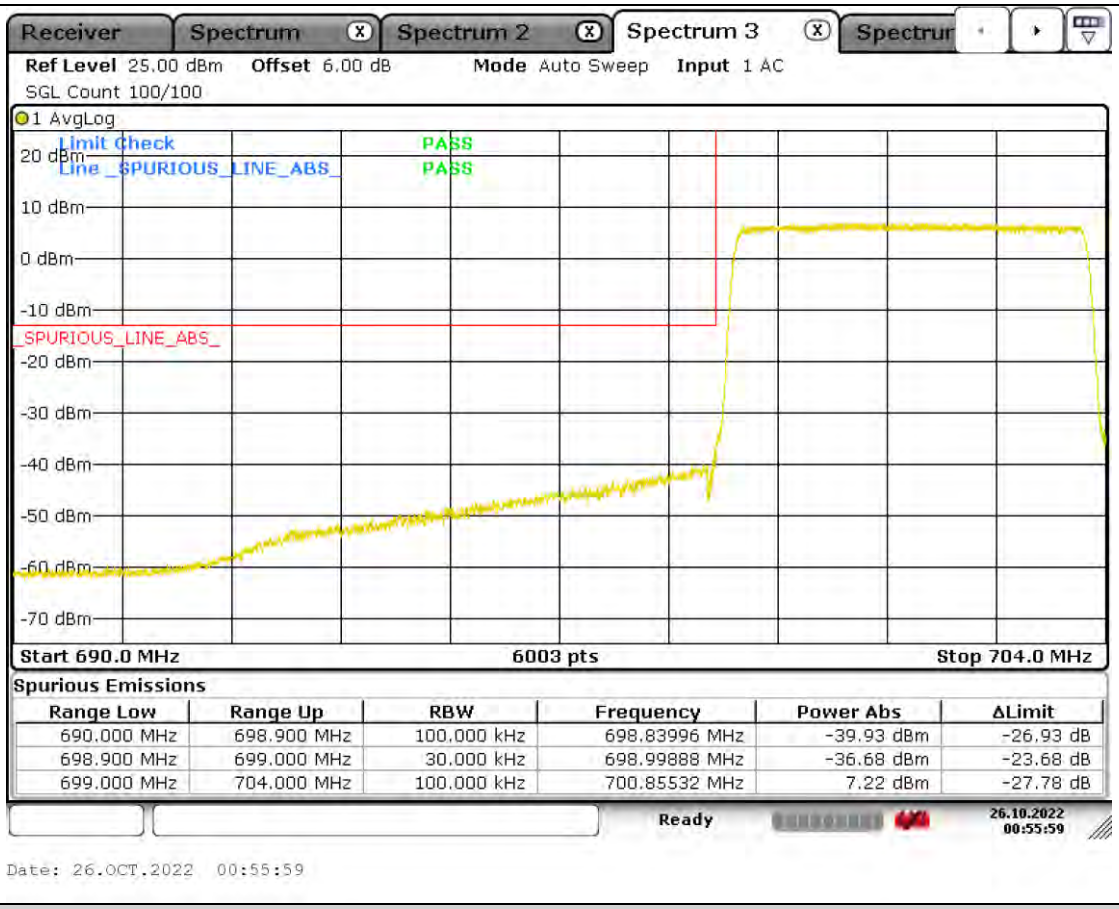
Band12-5MHz-16QAM-23035-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88888 MHz	-36.14 dBm	-23.14 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99543 MHz	-23.70 dBm	-10.70 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.31859 MHz	22.36 dBm	-12.64 dB

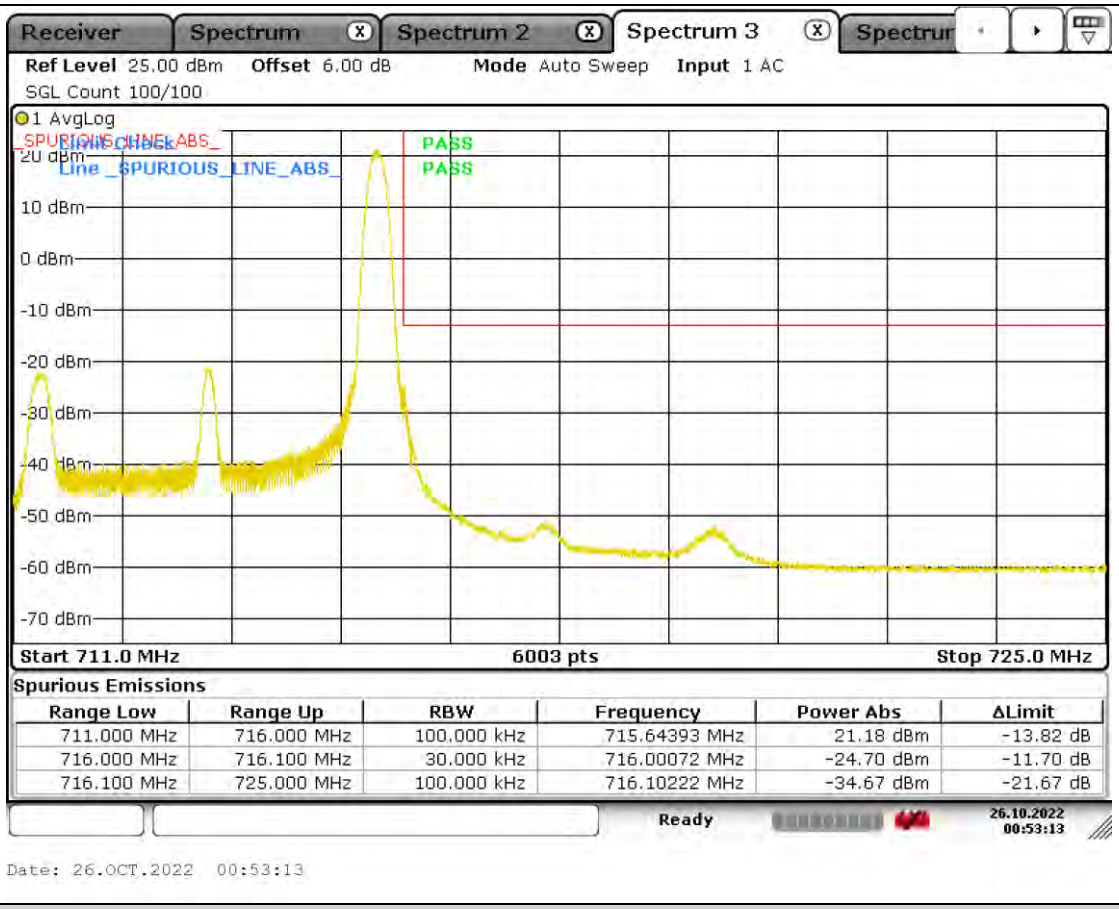
Band12-5MHz-16QAM-23035-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.83996 MHz	-39.93 dBm	-26.93 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99888 MHz	-36.68 dBm	-23.68 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.85532 MHz	7.22 dBm	-27.78 dB

Band12-5MHz-16QAM-23155-1RB#24

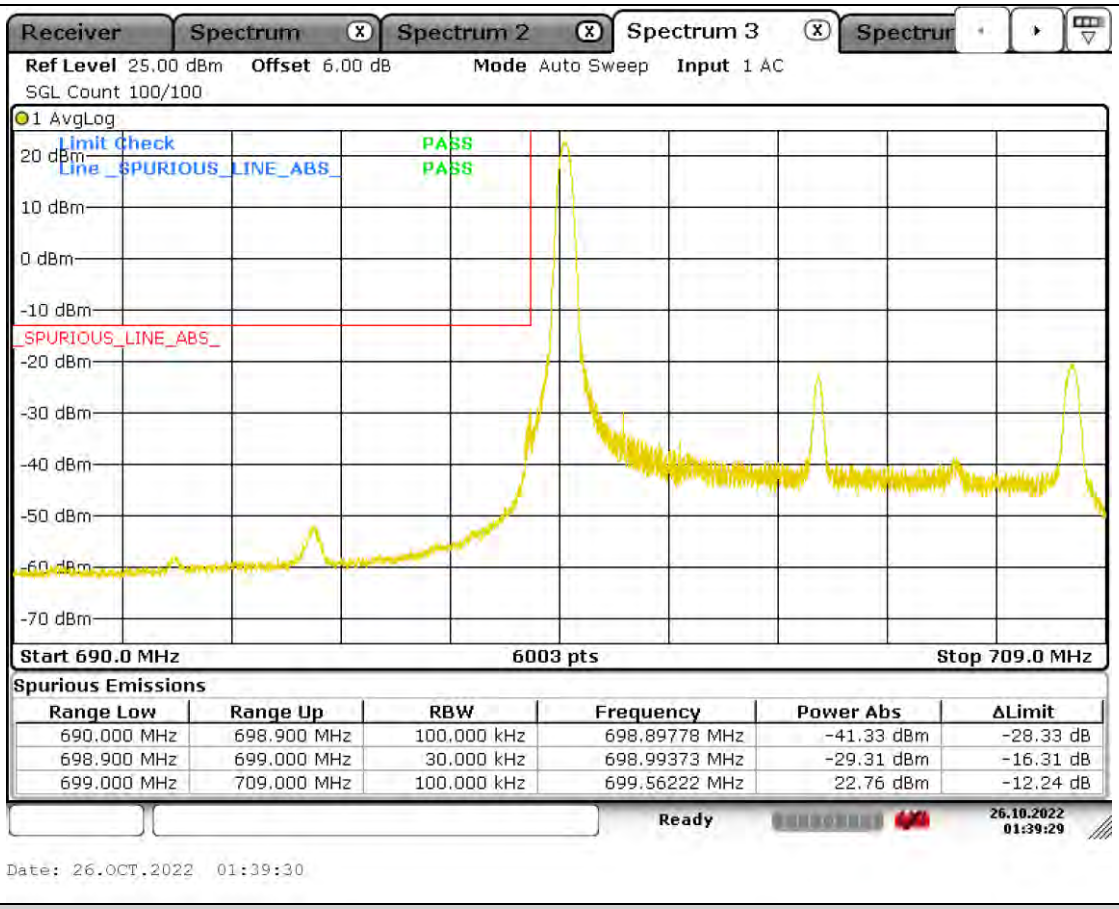


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64393 MHz	21.18 dBm	-13.82 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00072 MHz	-24.70 dBm	-11.70 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-34.67 dBm	-21.67 dB

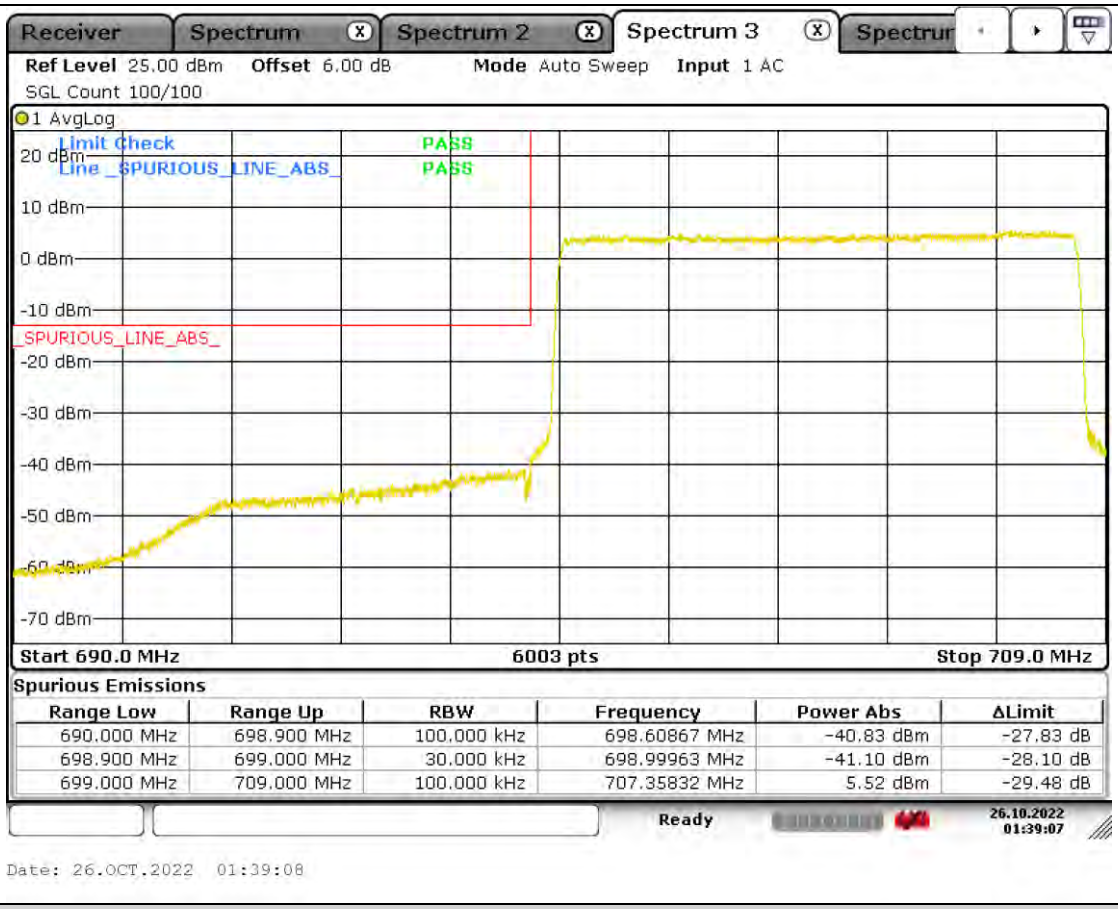
Band12-5MHz-16QAM-23155-25RB#0

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

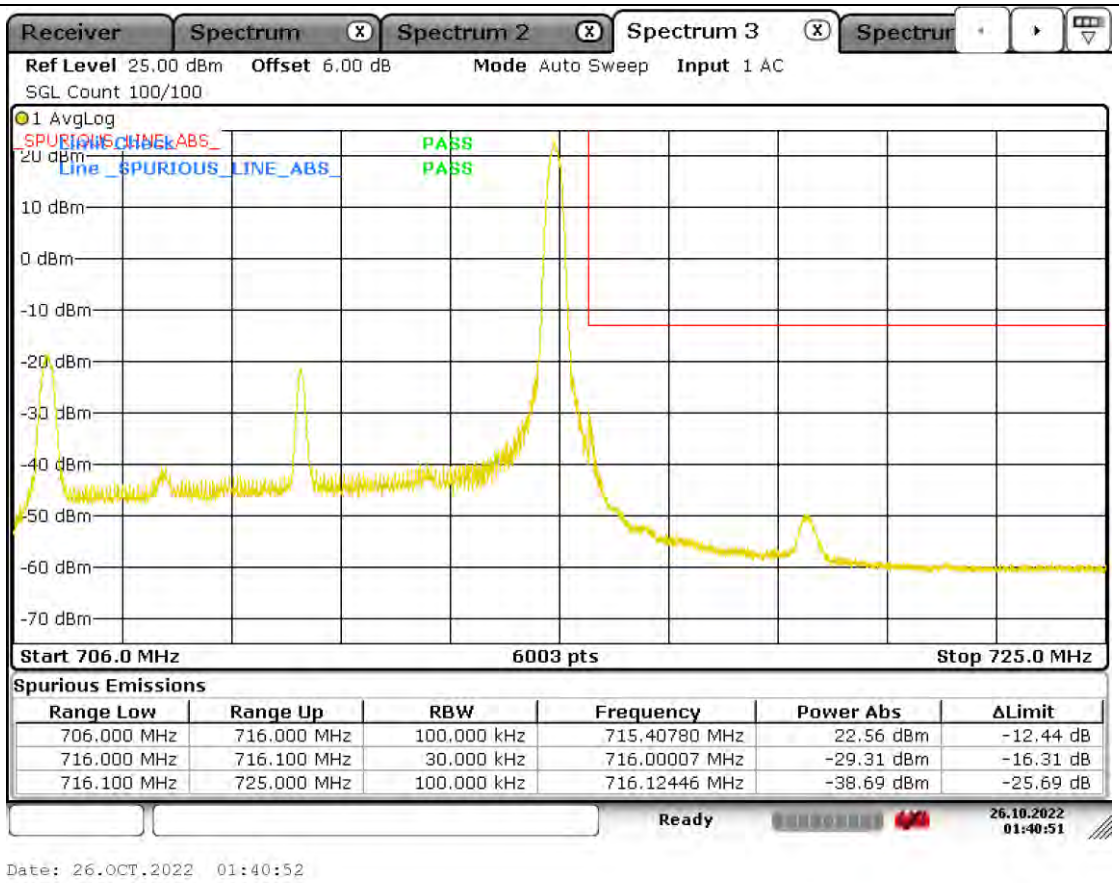


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-41.33 dBm	-28.33 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99373 MHz	-29.31 dBm	-16.31 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.56222 MHz	22.76 dBm	-12.24 dB

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



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



Spurious Emissions

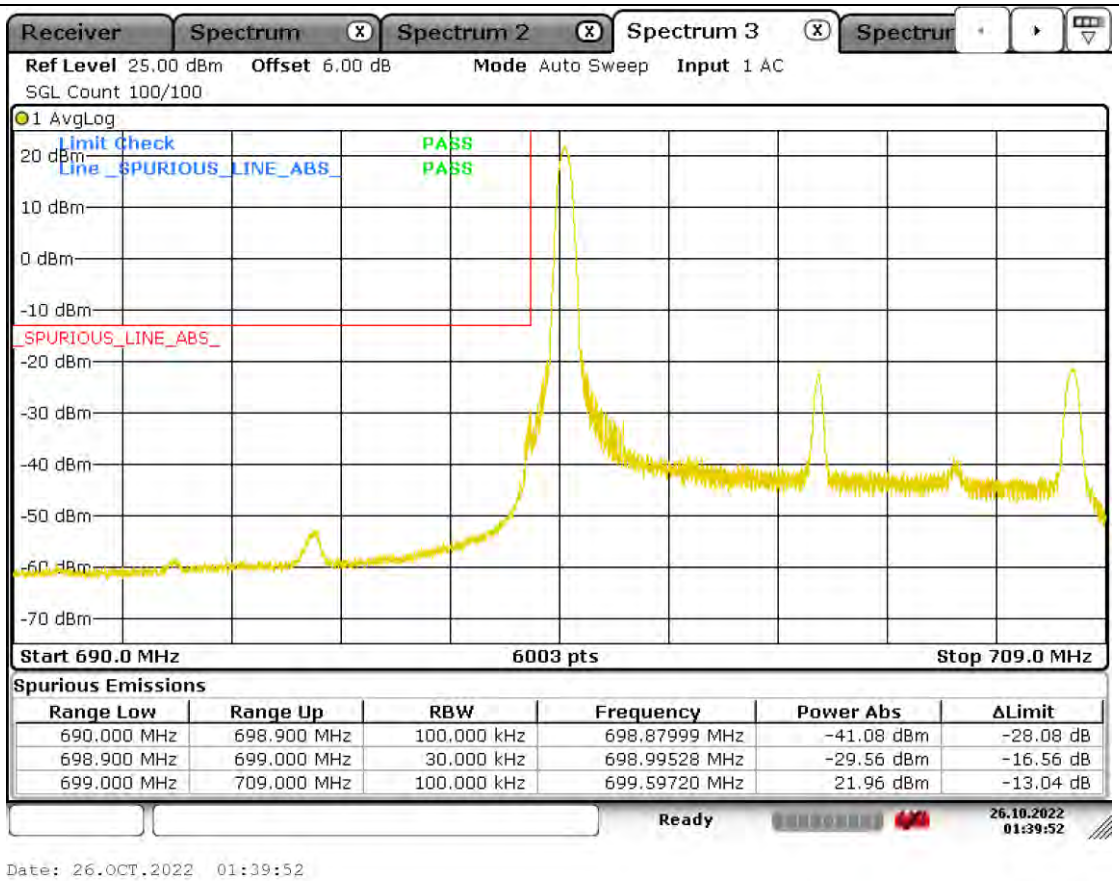
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40780 MHz	22.56 dBm	-12.44 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00007 MHz	-29.31 dBm	-16.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12446 MHz	-38.69 dBm	-25.69 dB

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

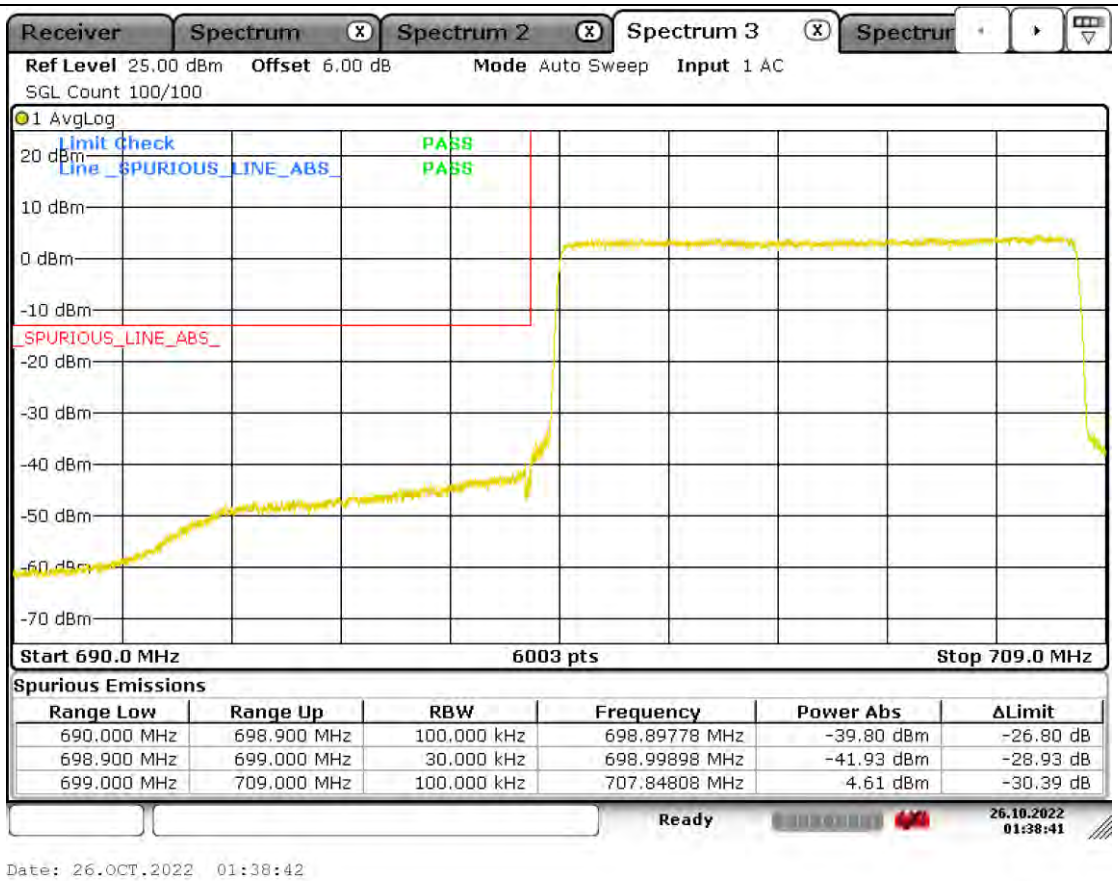
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	712.80410 MHz	4.63 dBm	-30.37 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00027 MHz	-41.27 dBm	-28.27 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10667 MHz	-40.87 dBm	-27.87 dB

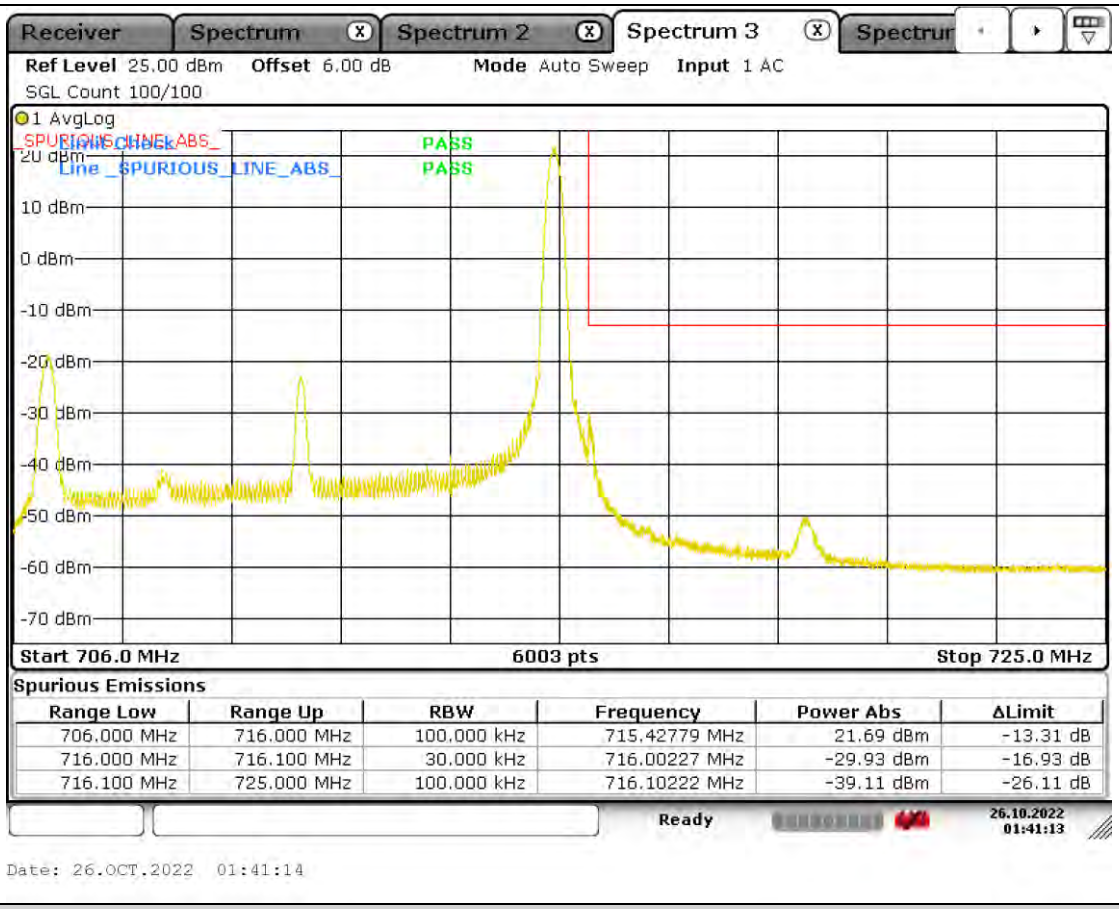
Band12-10MHz-16QAM-23060-1RB#0



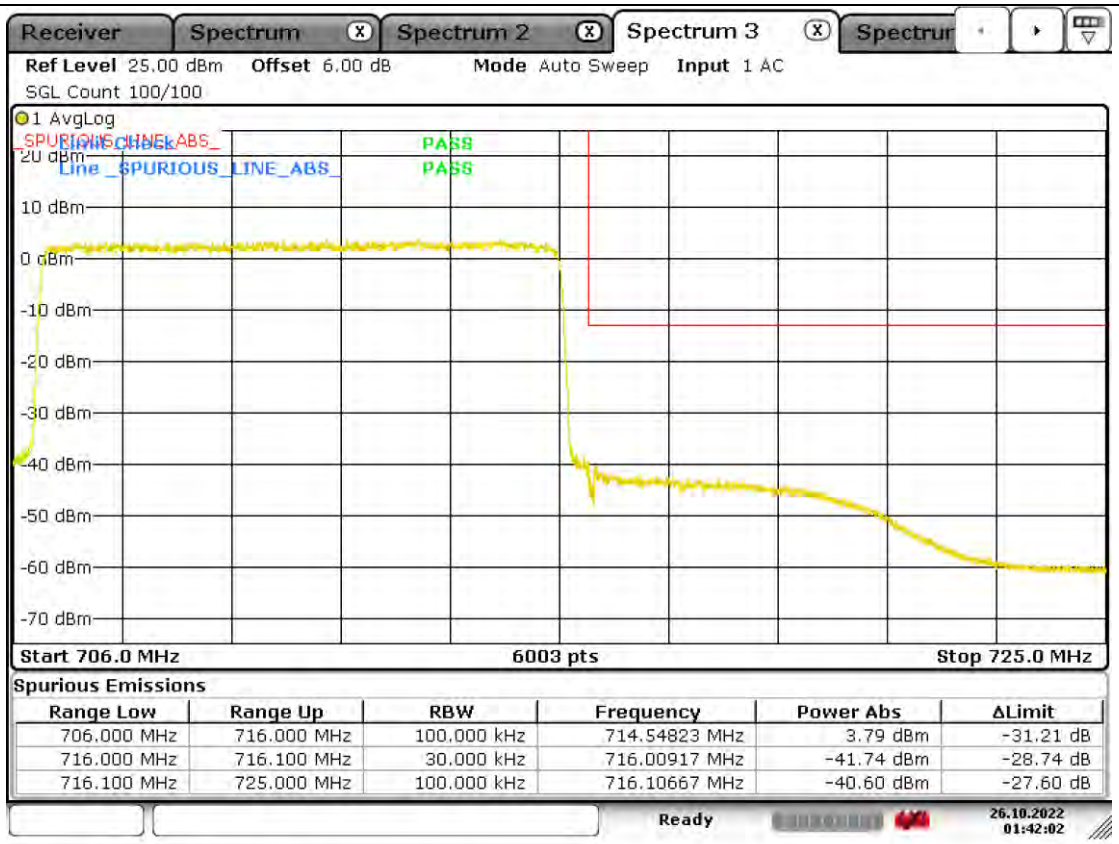
Band12-10MHz-16QAM-23060-50RB#0



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	714.54823 MHz	3.79 dBm	-31.21 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00917 MHz	-41.74 dBm	-28.74 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10667 MHz	-40.60 dBm	-27.60 dB

CONDUCTED SPURIOUS EMISSION

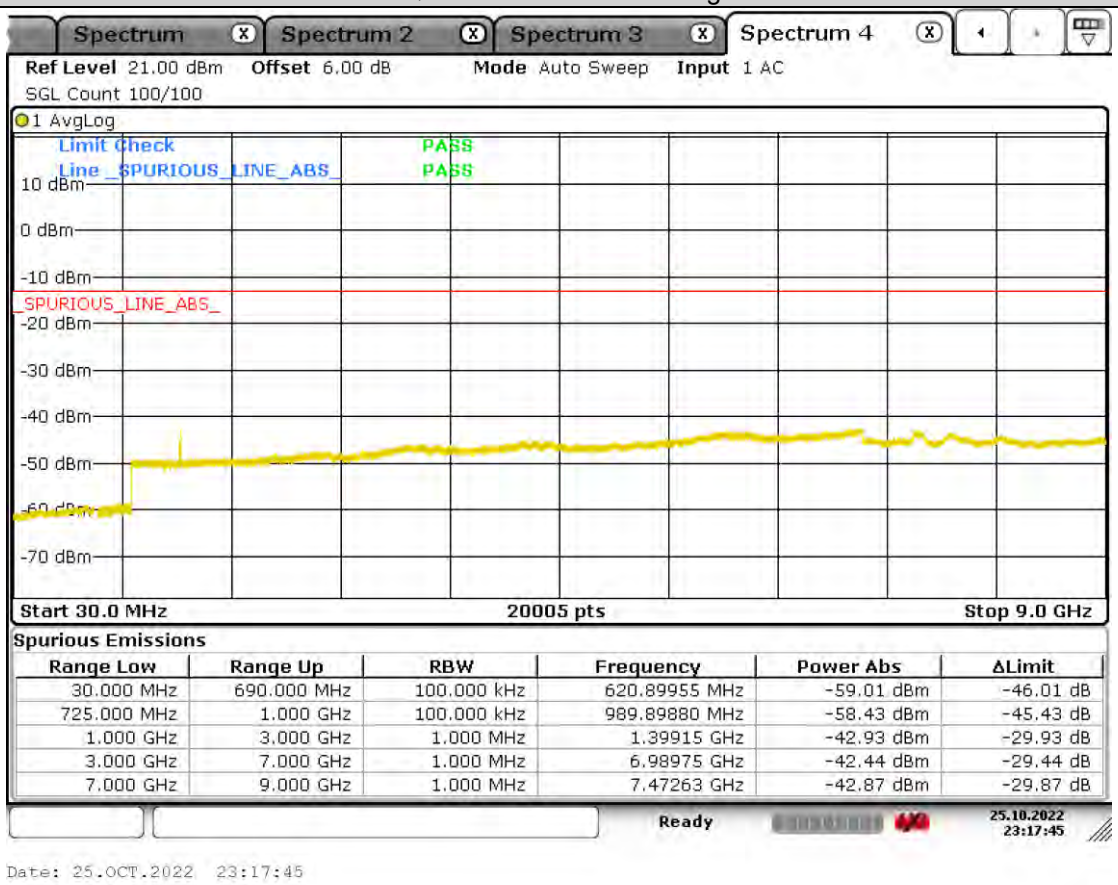
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-58.43	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:1000~9000MHz	-42.44	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.6	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:1000~9000MHz	-42.39	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-58.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:1000~9000MHz	-42.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-58.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:1000~9000MHz	-42.4	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.44	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:1000~9000MHz	-42.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-58.52	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:1000~9000MHz	-42.32	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-58.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:1000~9000MHz	-42.13	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:1000~9000MHz	-42.16	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-58.78	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:1000~9000MHz	-42.37	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-58.56	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:1000~9000MHz	-42.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.75	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:1000~9000MHz	-42.35	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-58.51	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:1000~9000MHz	-42.4	PASS

					z	7	
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-58.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:1000~9000MHz	-42.08	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.49	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:1000~9000MHz	-42.5	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-58.39	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:1000~9000MHz	-42.5	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-58.58	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:1000~9000MHz	-42.13	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.71	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:1000~9000MHz	-42.37	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-58.51	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:1000~9000MHz	-42.26	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-58.47	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:1000~9000MHz	-42.38	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:1000~9000MHz	-41.88	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-58.44	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:1000~9000MHz	-42.2	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-58.62	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:1000~9000MHz	-42.12	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:1000~9000MHz	-42.39	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-58.53	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:1000~9000MHz	-42.4	PASS

Test Graphs

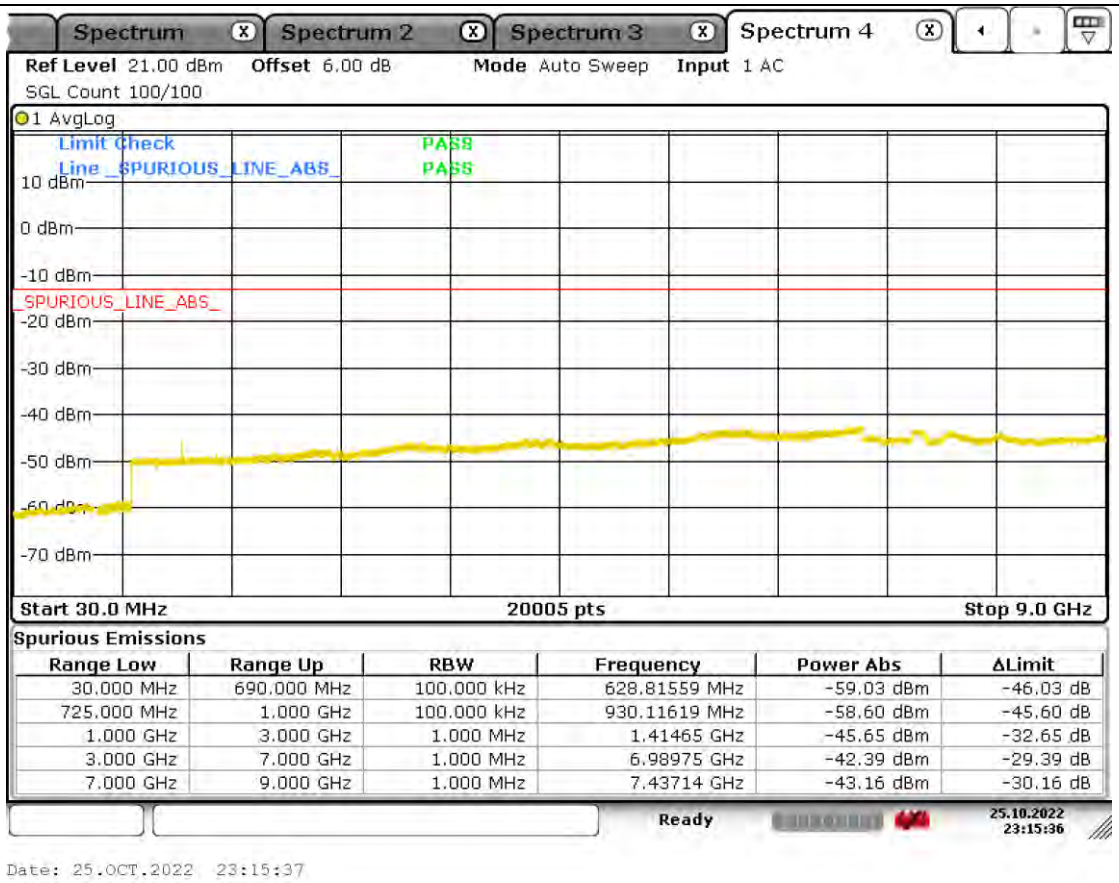
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.89955 MHz	-59.01 dBm	-46.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.89880 MHz	-58.43 dBm	-45.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.93 dBm	-29.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.44 dBm	-29.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47263 GHz	-42.87 dBm	-29.87 dB

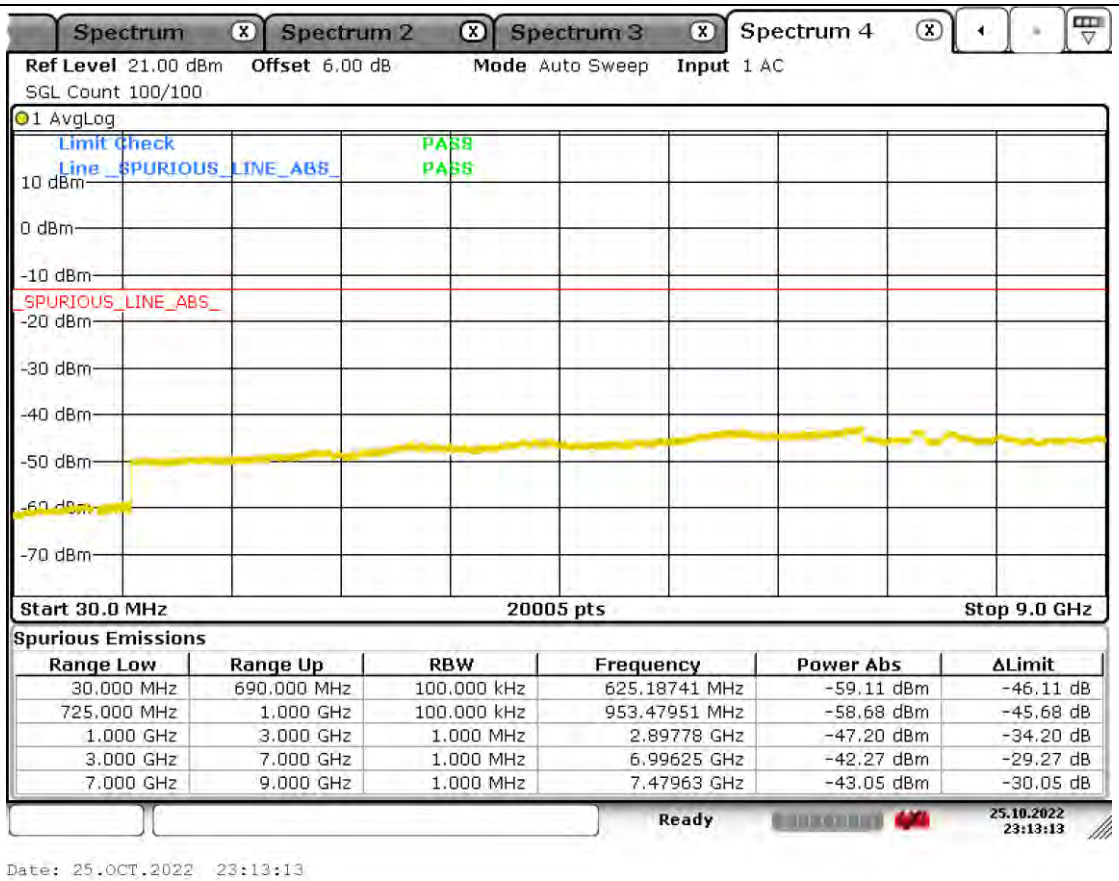
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	628.81559 MHz	-59.03 dBm	-46.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.11619 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.65 dBm	-32.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.39 dBm	-29.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-43.16 dBm	-30.16 dB

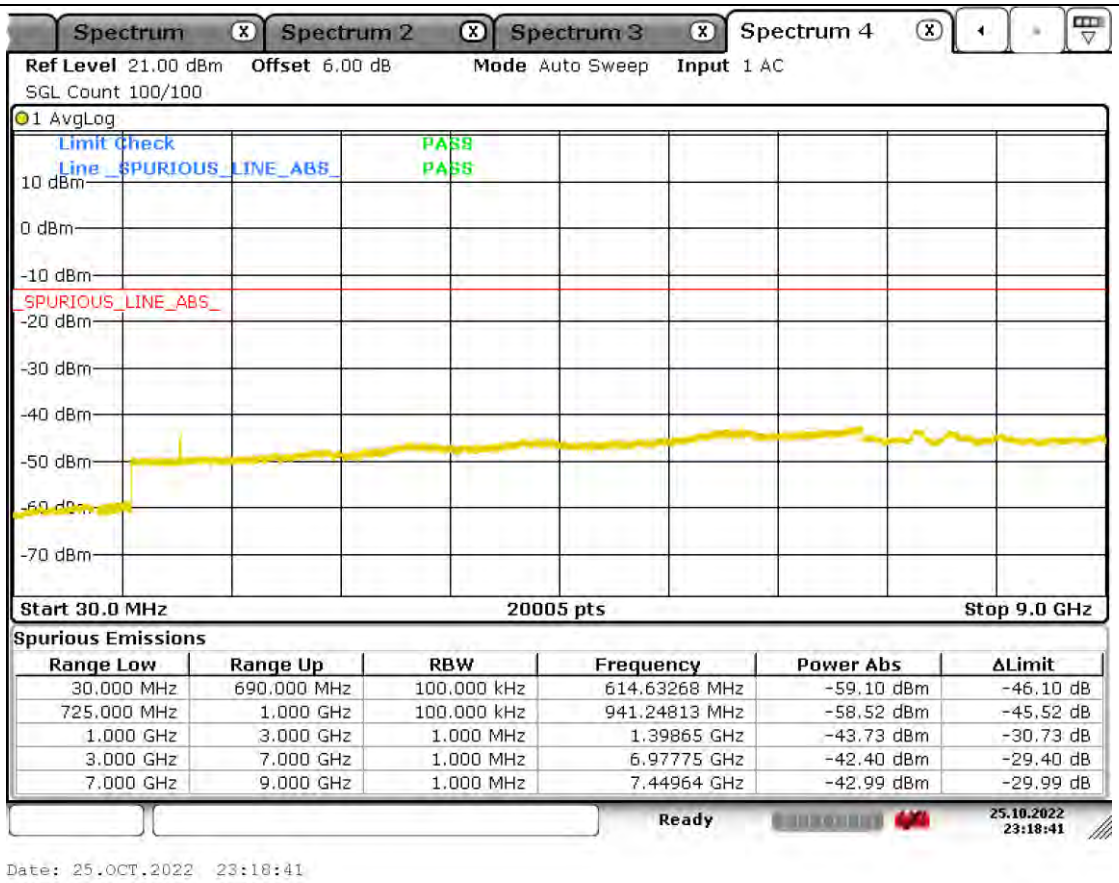
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.18741 MHz	-59.11 dBm	-46.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.47951 MHz	-58.68 dBm	-45.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.89778 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-42.27 dBm	-29.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47963 GHz	-43.05 dBm	-30.05 dB

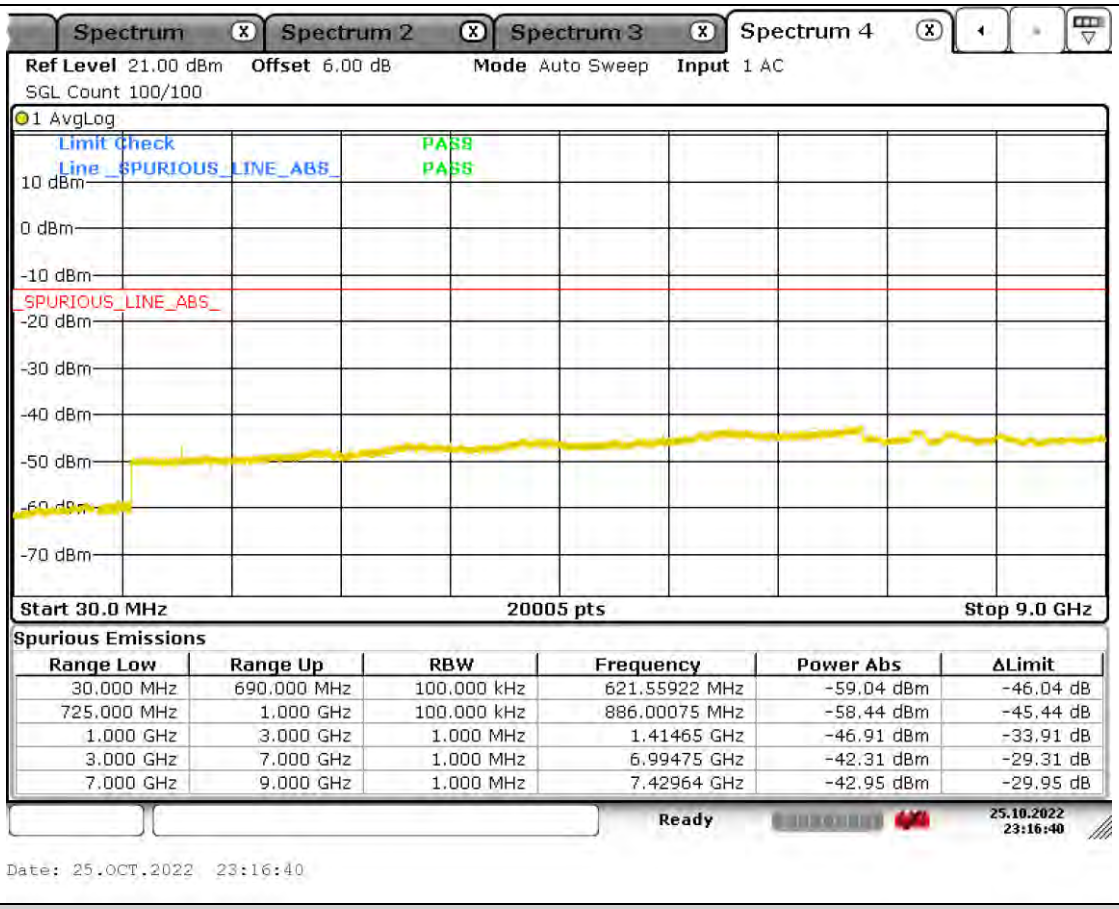
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	614.63268 MHz	-59.10 dBm	-46.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	941.24813 MHz	-58.52 dBm	-45.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.73 dBm	-30.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97775 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44964 GHz	-42.99 dBm	-29.99 dB

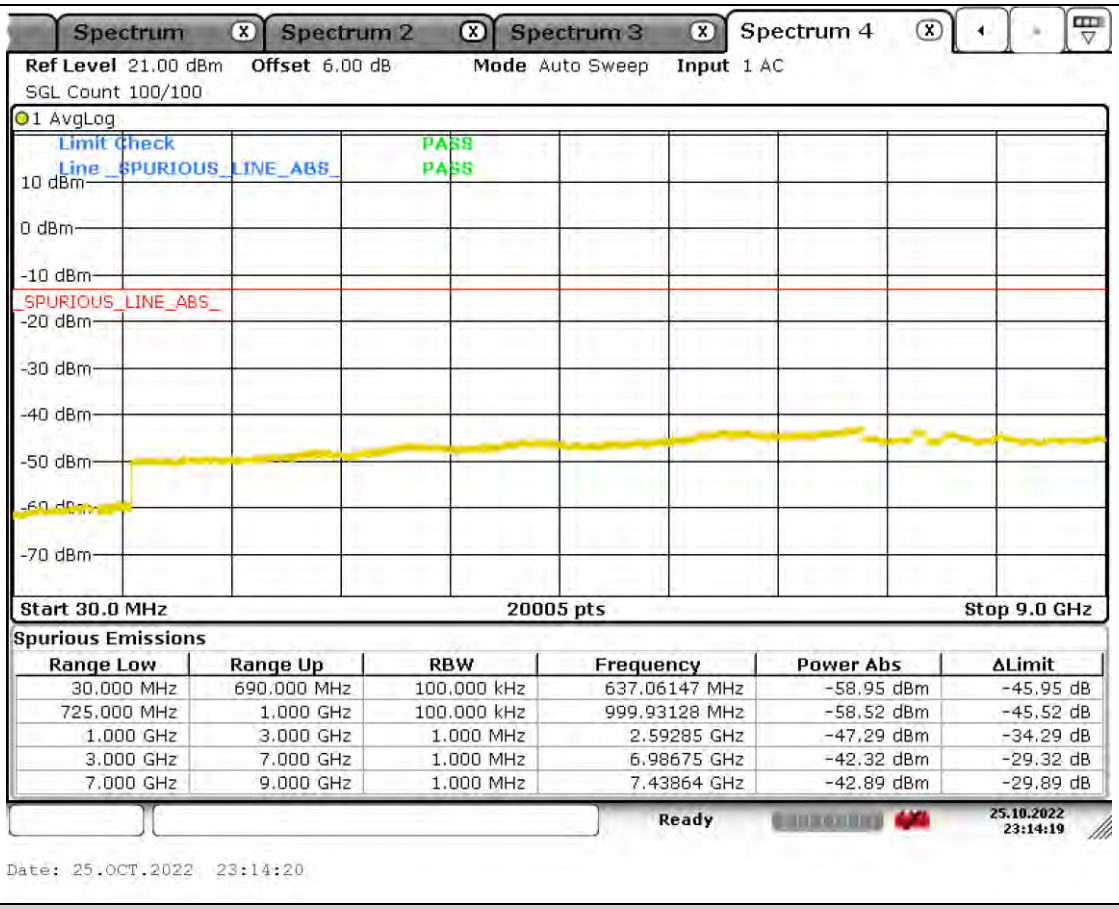
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.55922 MHz	-59.04 dBm	-46.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.00075 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-46.91 dBm	-33.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-42.31 dBm	-29.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42964 GHz	-42.95 dBm	-29.95 dB

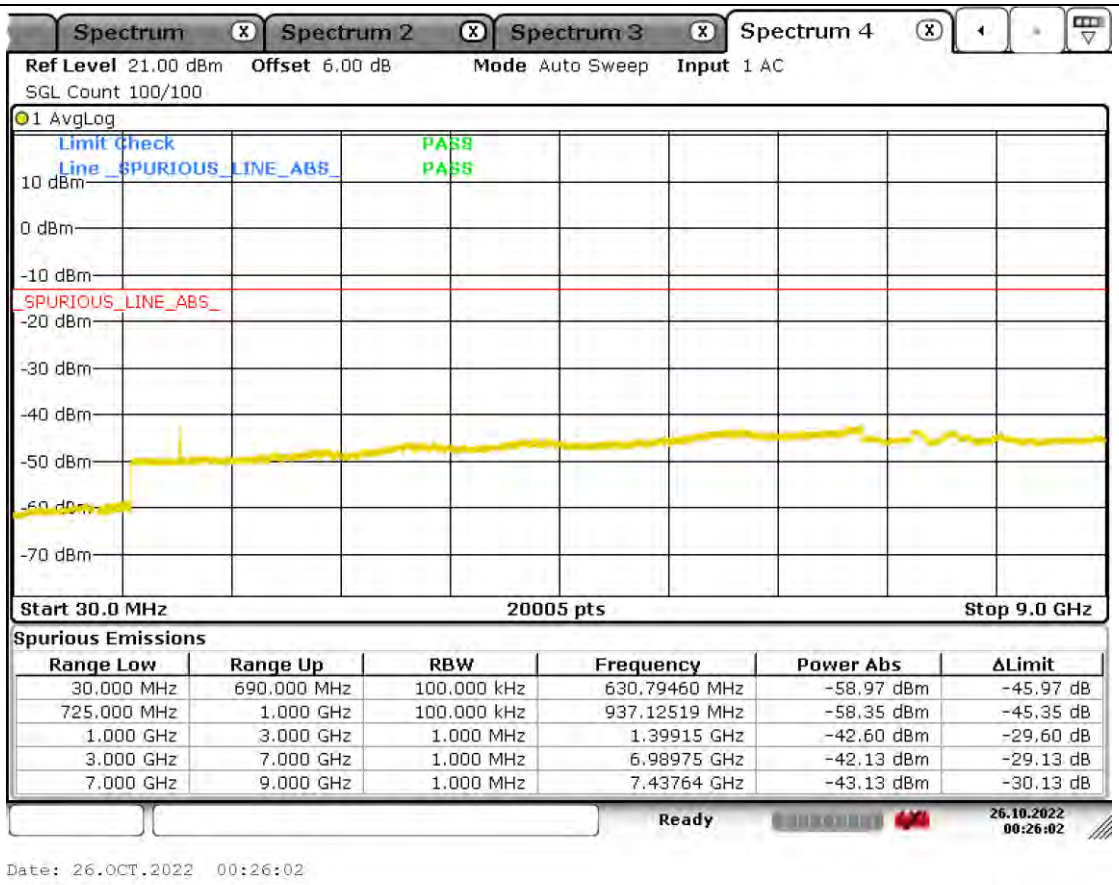
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	637.06147 MHz	-58.95 dBm	-45.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.93128 MHz	-58.52 dBm	-45.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.59285 GHz	-47.29 dBm	-34.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-42.32 dBm	-29.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43864 GHz	-42.89 dBm	-29.89 dB

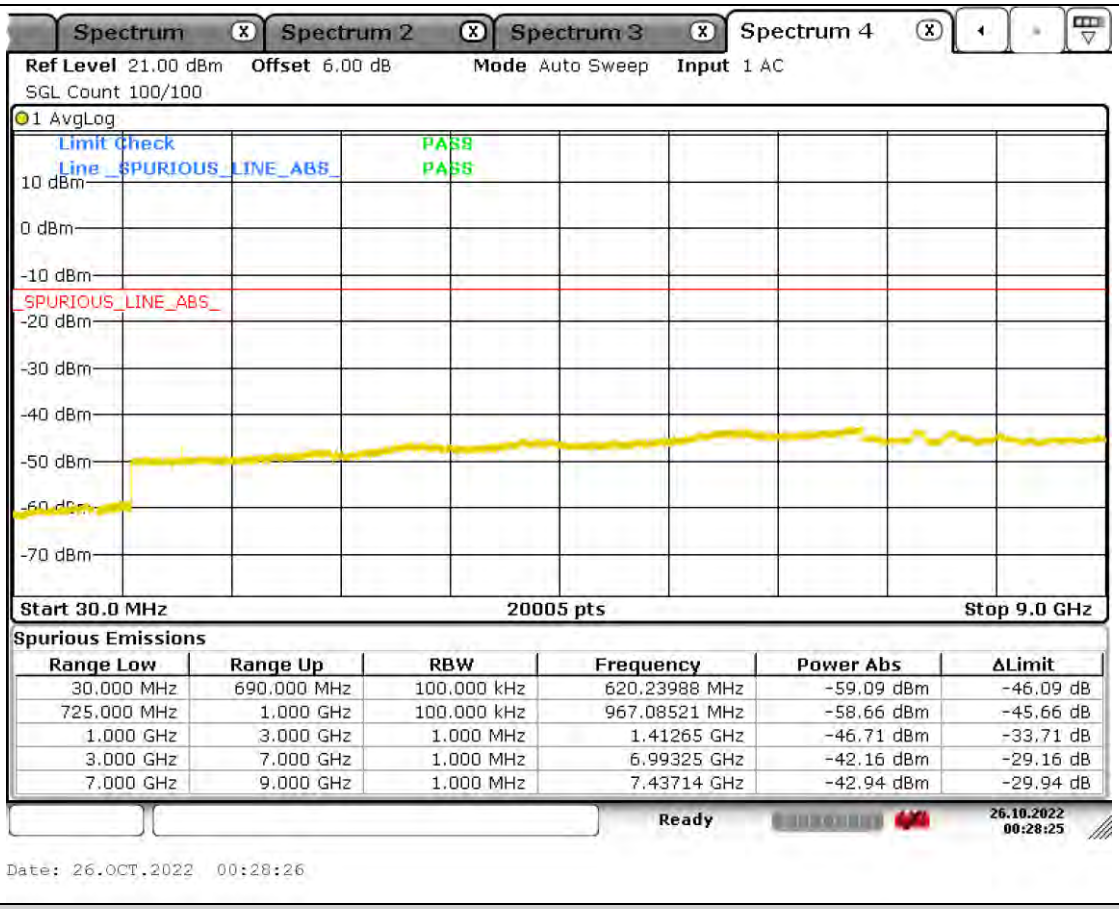
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.79460 MHz	-58.97 dBm	-45.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	937.12519 MHz	-58.35 dBm	-45.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.13 dBm	-29.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-43.13 dBm	-30.13 dB

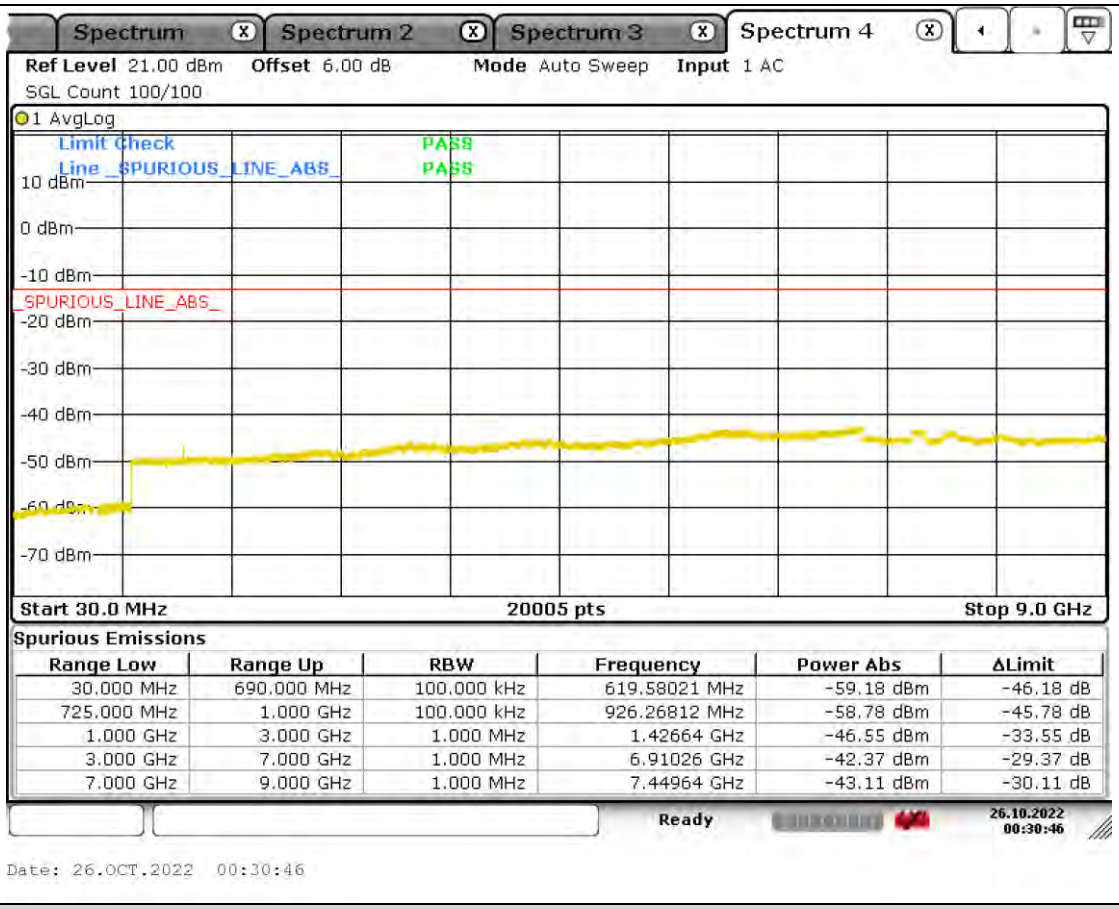
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.23988 MHz	-59.09 dBm	-46.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.08521 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.16 dBm	-29.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-42.94 dBm	-29.94 dB

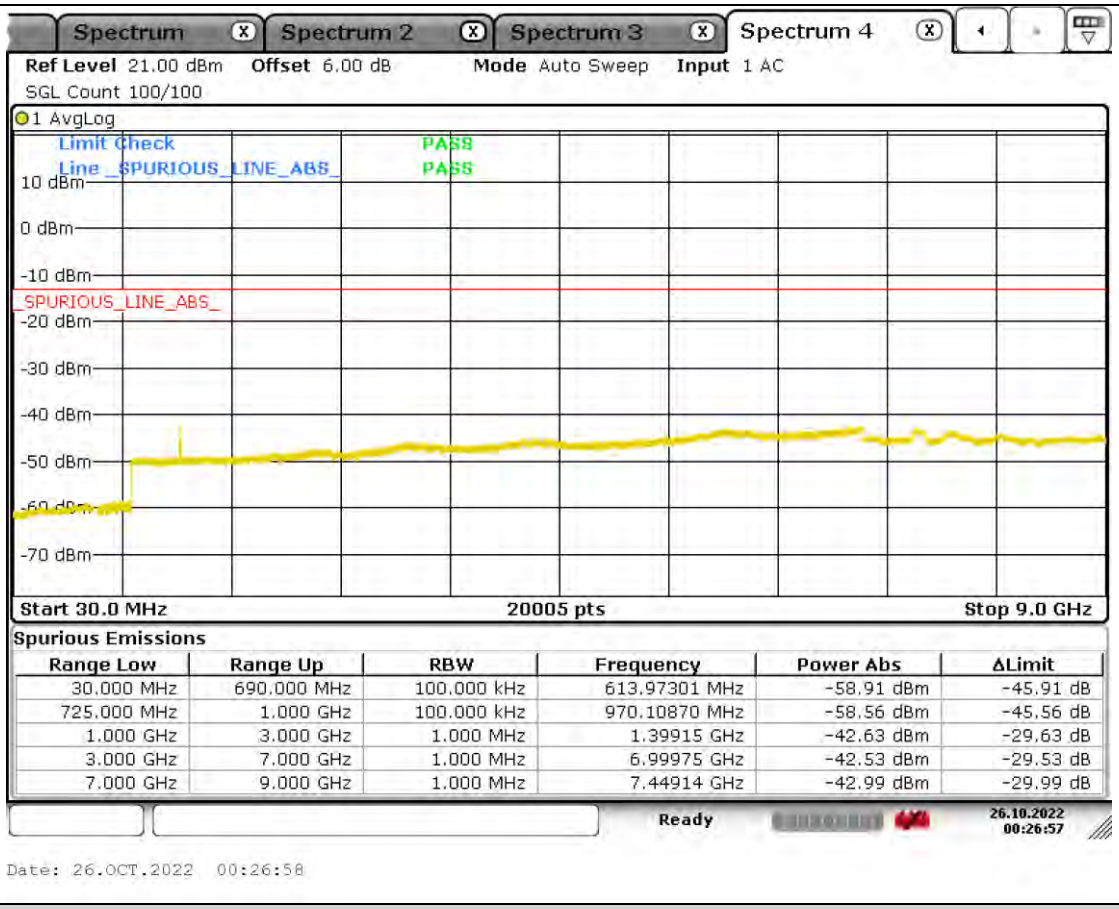
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.58021 MHz	-59.18 dBm	-46.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.26812 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.55 dBm	-33.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91026 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44964 GHz	-43.11 dBm	-30.11 dB

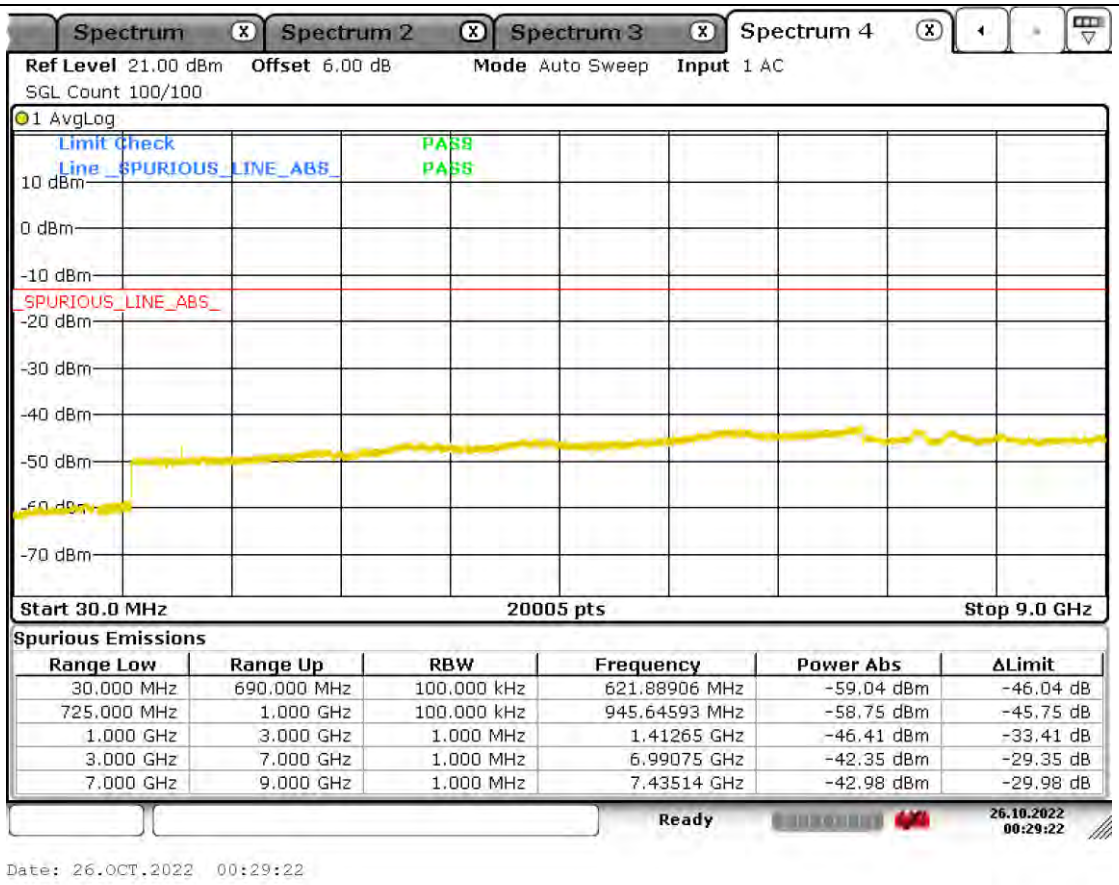
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	613.97301 MHz	-58.91 dBm	-45.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.10870 MHz	-58.56 dBm	-45.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.63 dBm	-29.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-42.53 dBm	-29.53 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44914 GHz	-42.99 dBm	-29.99 dB

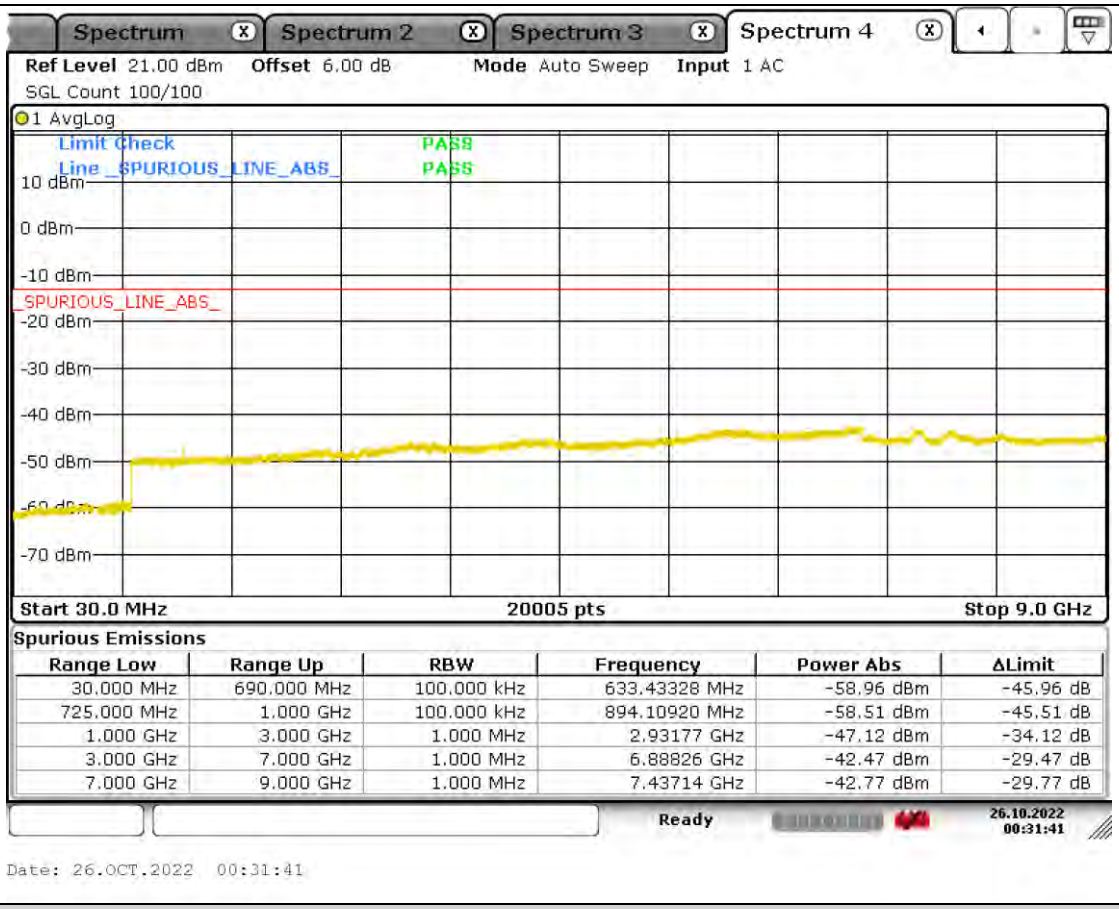
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.88906 MHz	-59.04 dBm	-46.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	945.64593 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-42.35 dBm	-29.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43514 GHz	-42.98 dBm	-29.98 dB

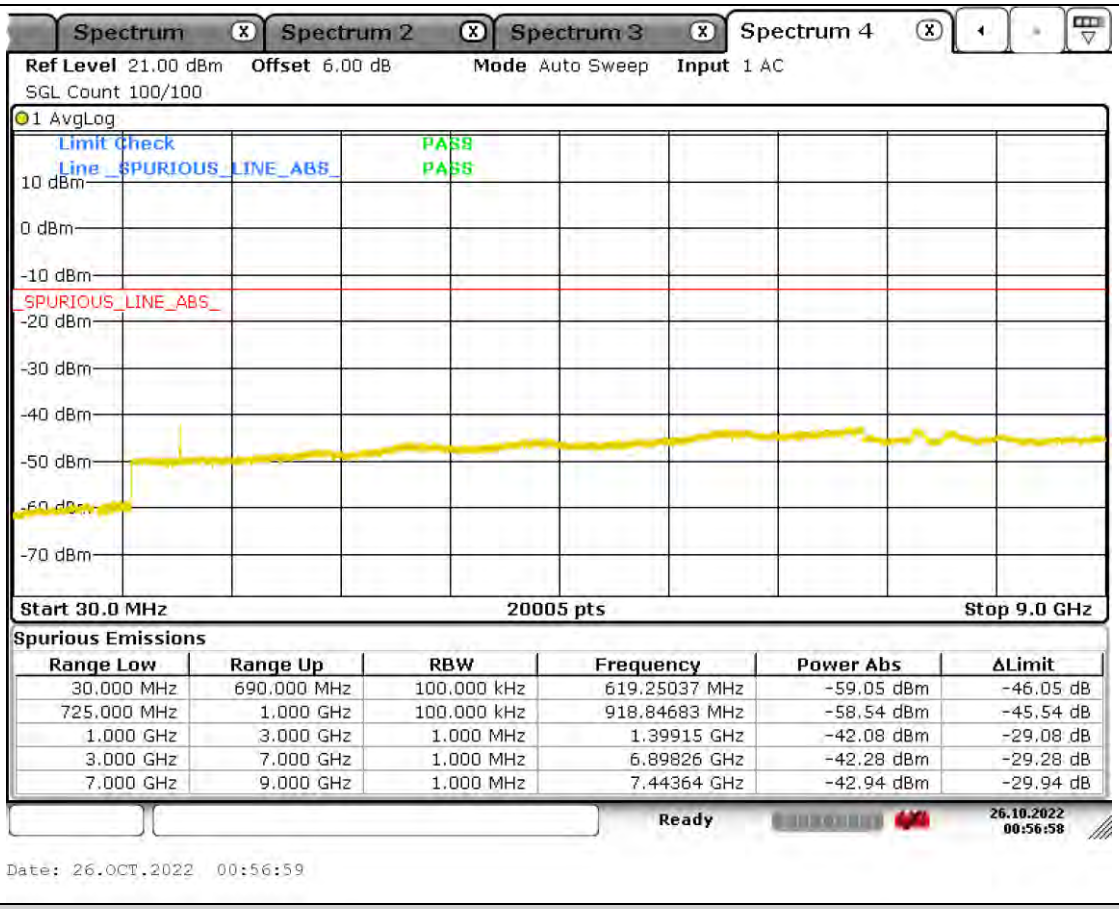
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	633.43328 MHz	-58.96 dBm	-45.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.10920 MHz	-58.51 dBm	-45.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.93177 GHz	-47.12 dBm	-34.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88826 GHz	-42.47 dBm	-29.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43714 GHz	-42.77 dBm	-29.77 dB

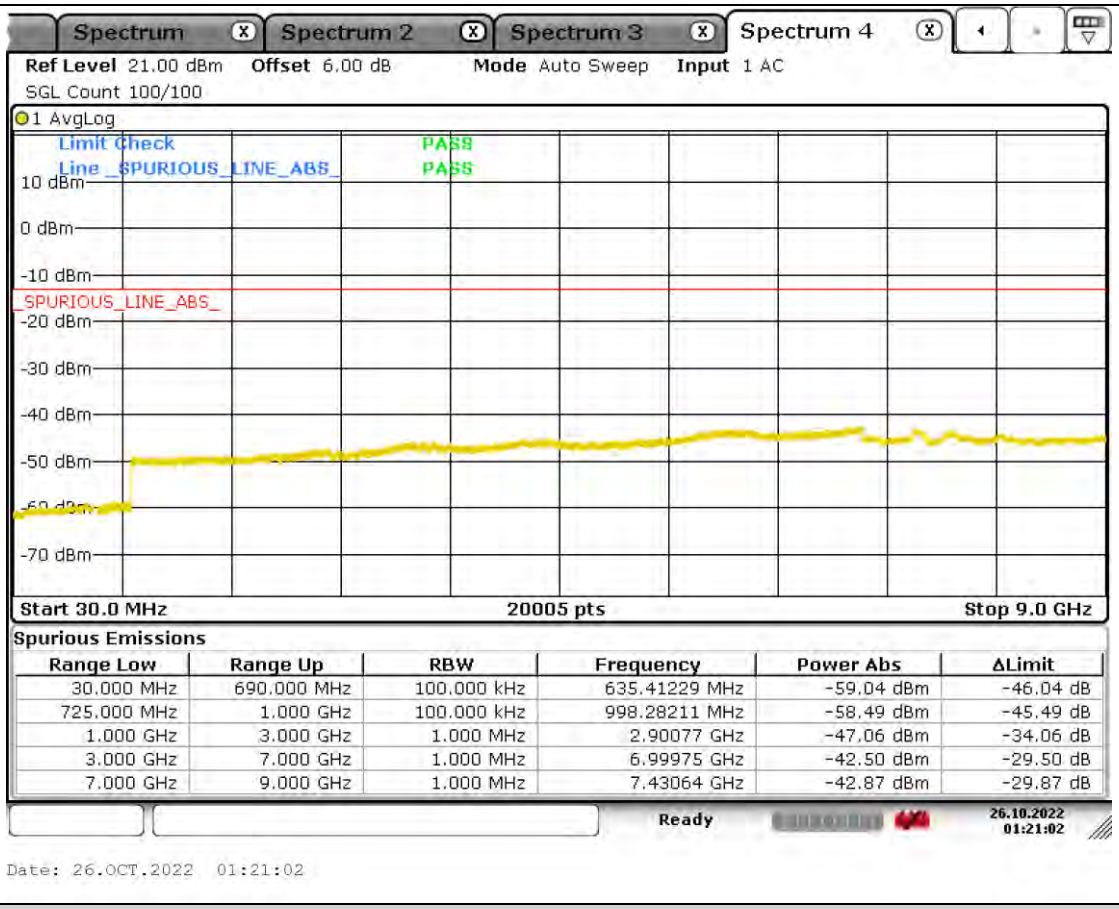
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.25037 MHz	-59.05 dBm	-46.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	918.84683 MHz	-58.54 dBm	-45.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.08 dBm	-29.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89826 GHz	-42.28 dBm	-29.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44364 GHz	-42.94 dBm	-29.94 dB

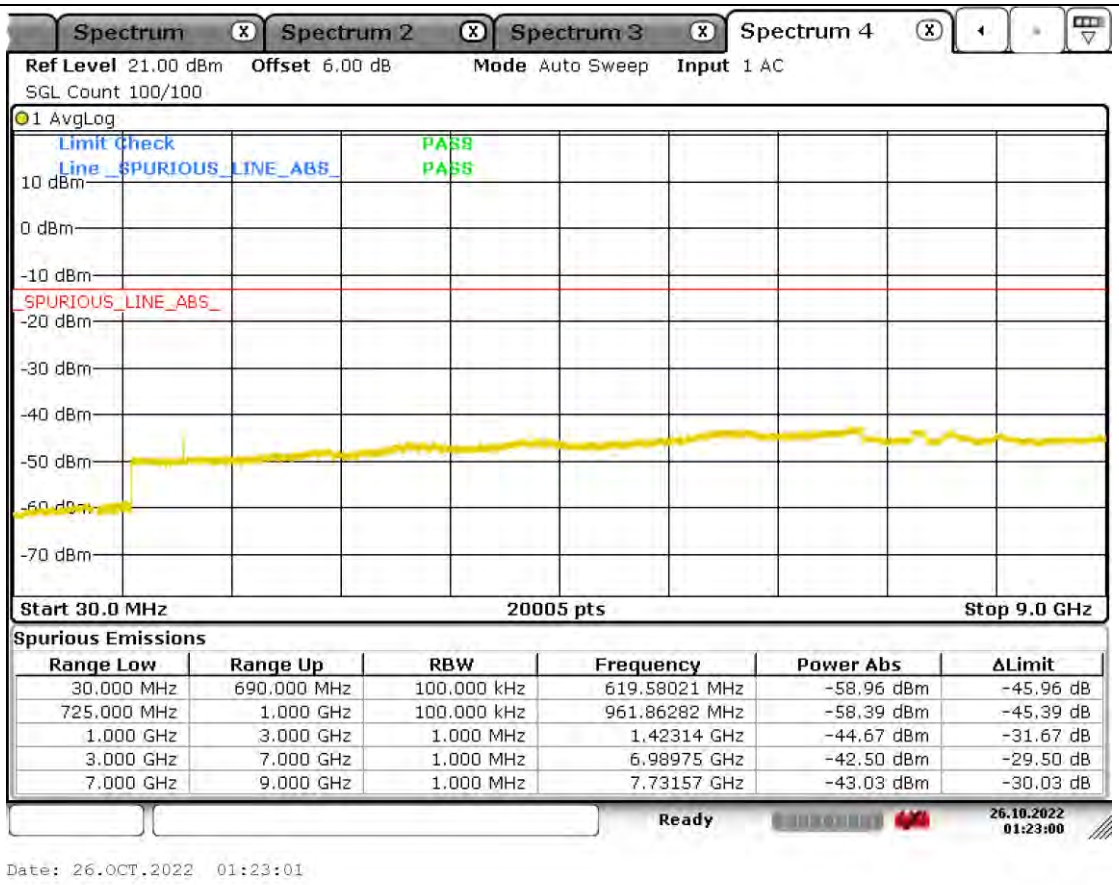
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	635.41229 MHz	-59.04 dBm	-46.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.28211 MHz	-58.49 dBm	-45.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90077 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-42.50 dBm	-29.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43064 GHz	-42.87 dBm	-29.87 dB

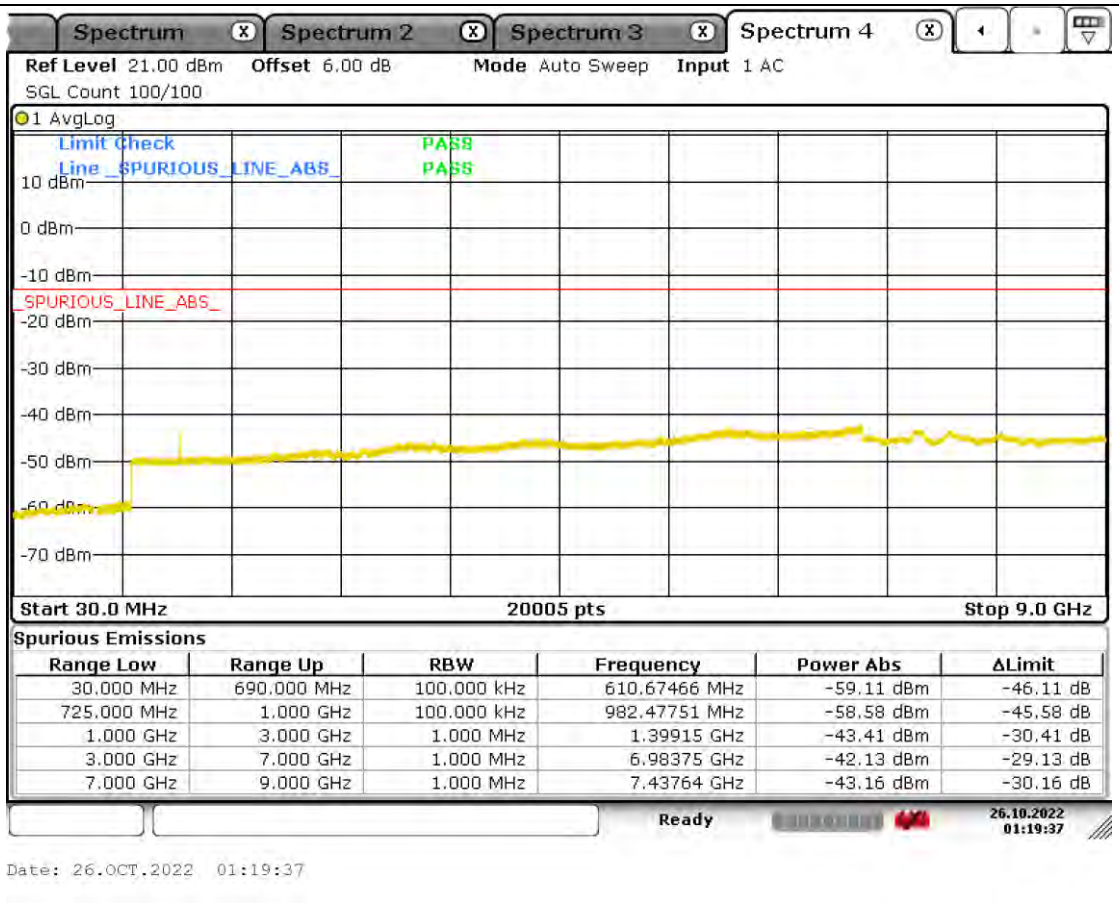
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.58021 MHz	-58.96 dBm	-45.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.86282 MHz	-58.39 dBm	-45.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.67 dBm	-31.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.50 dBm	-29.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.73157 GHz	-43.03 dBm	-30.03 dB

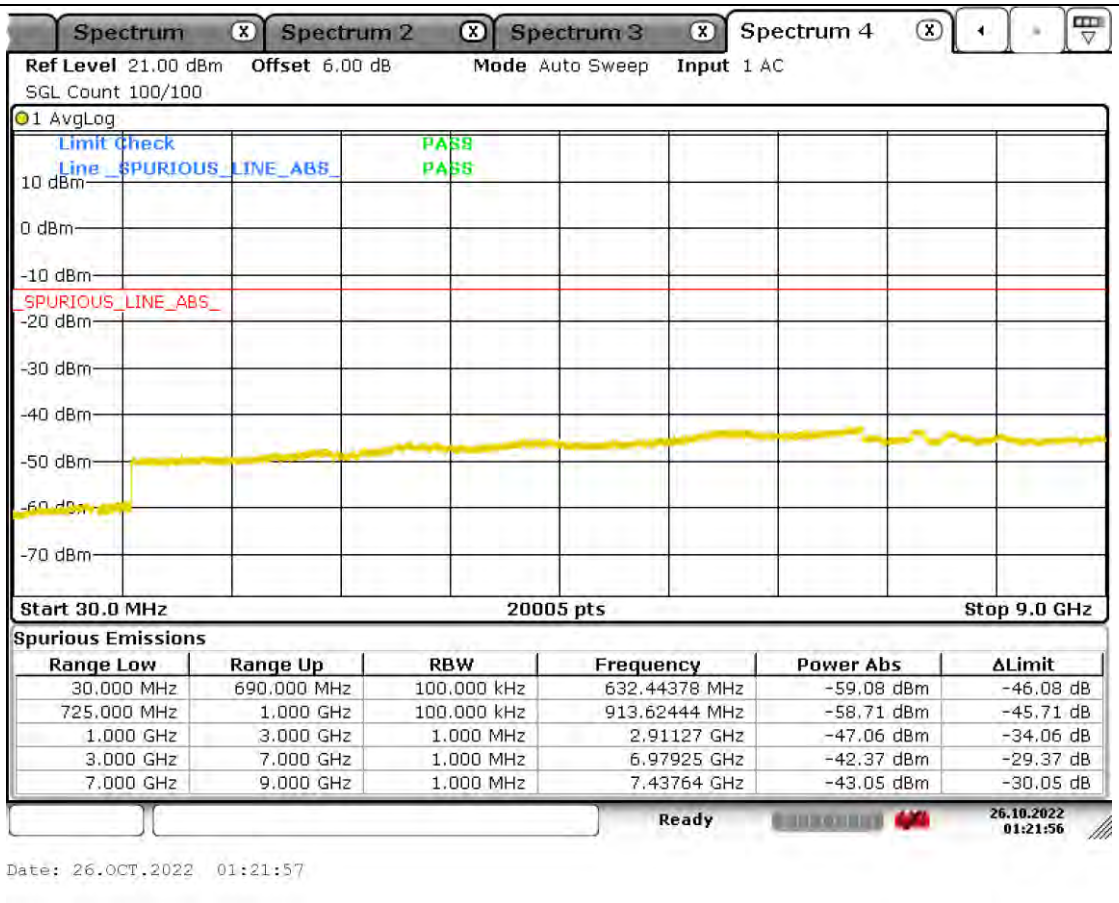
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	610.67466 MHz	-59.11 dBm	-46.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.47751 MHz	-58.58 dBm	-45.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.41 dBm	-30.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-42.13 dBm	-29.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-43.16 dBm	-30.16 dB

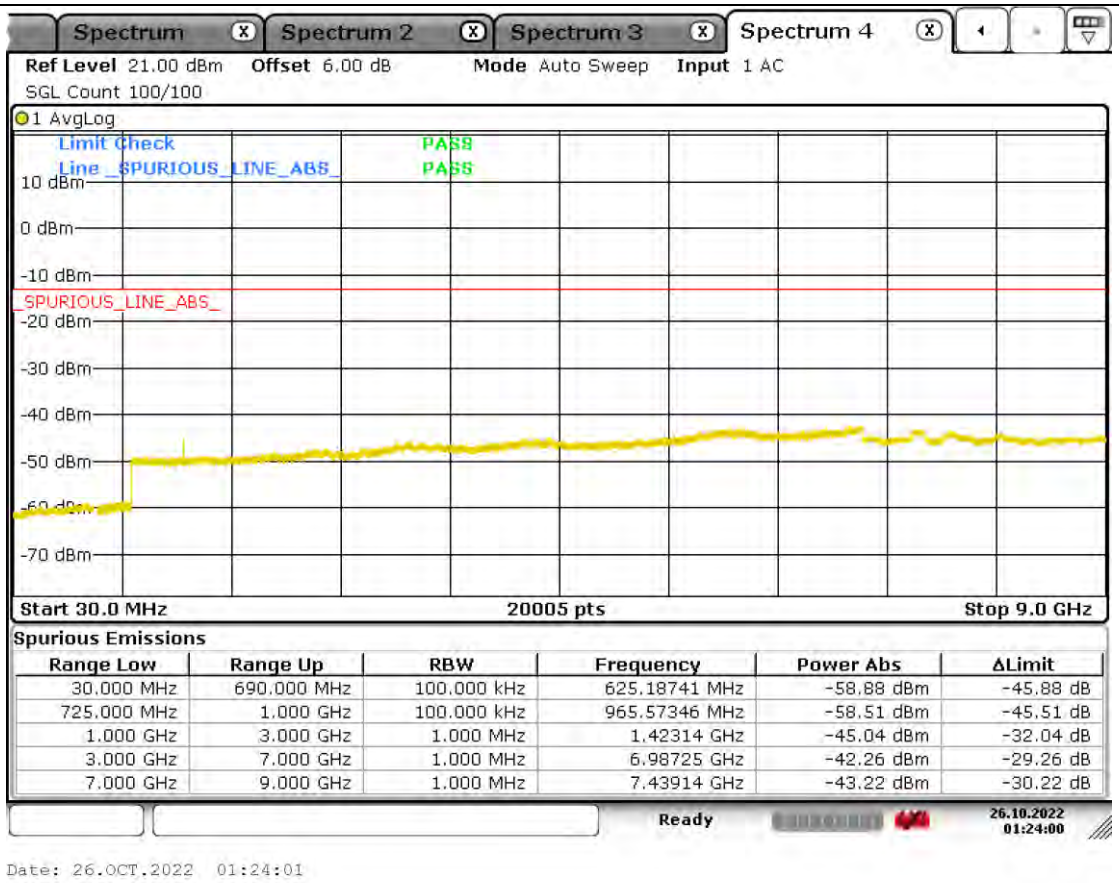
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.44378 MHz	-59.08 dBm	-46.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	913.62444 MHz	-58.71 dBm	-45.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.91127 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-43.05 dBm	-30.05 dB

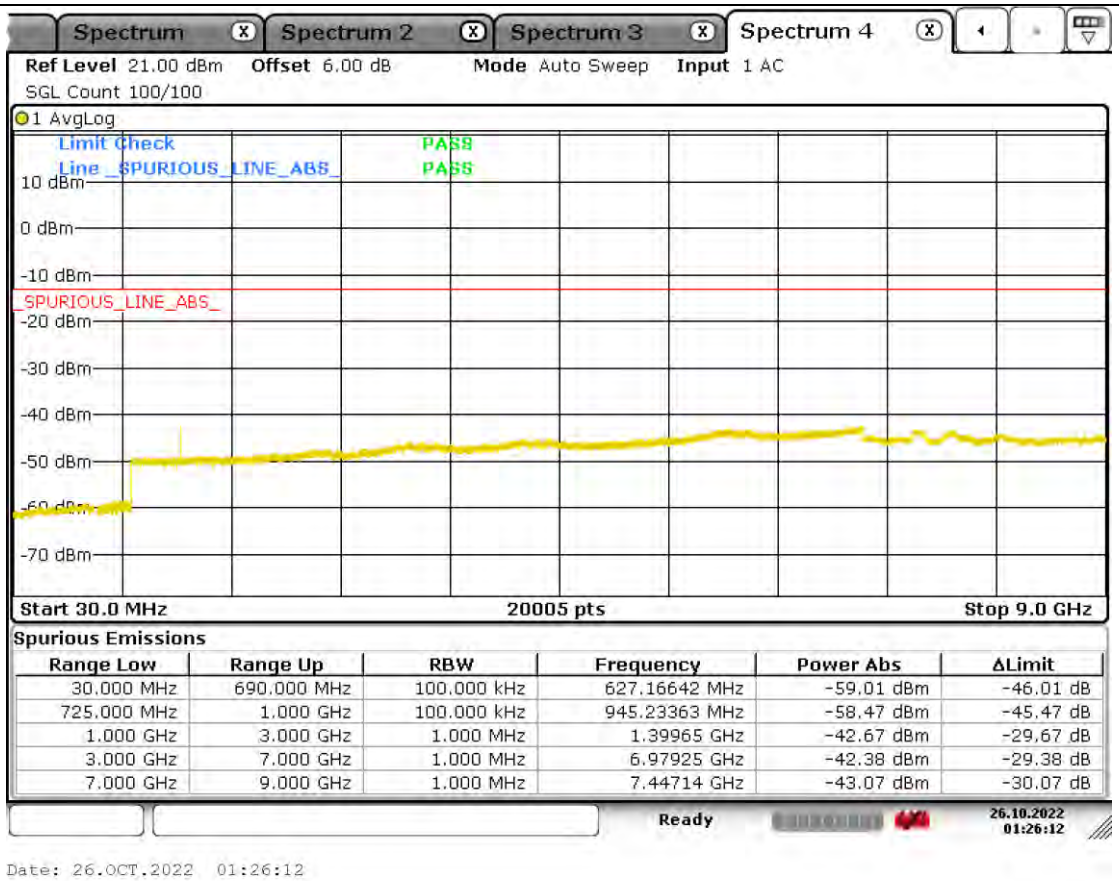
Band12-5MHz-16QAM-23155-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.18741 MHz	-58.88 dBm	-45.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	965.57346 MHz	-58.51 dBm	-45.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.04 dBm	-32.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-42.26 dBm	-29.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43914 GHz	-43.22 dBm	-30.22 dB

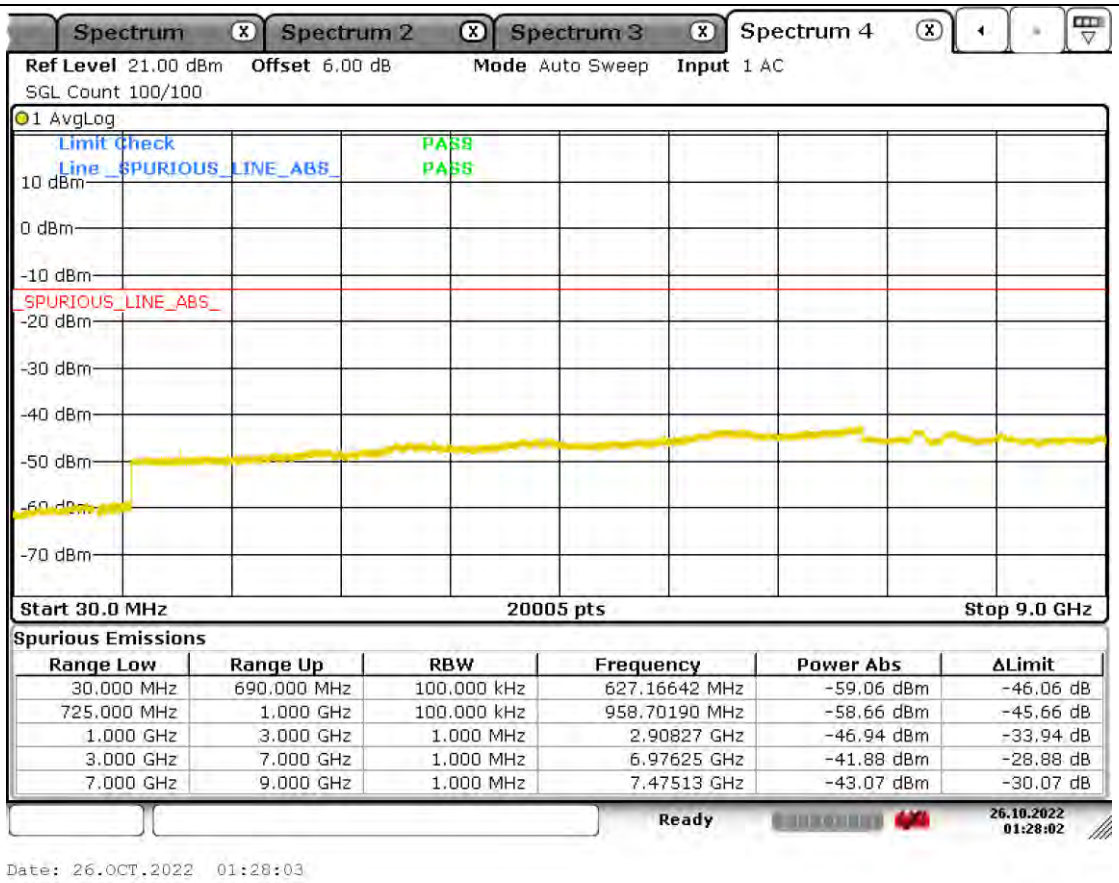
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-59.01 dBm	-46.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	945.23363 MHz	-58.47 dBm	-45.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-42.67 dBm	-29.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-42.38 dBm	-29.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.44714 GHz	-43.07 dBm	-30.07 dB

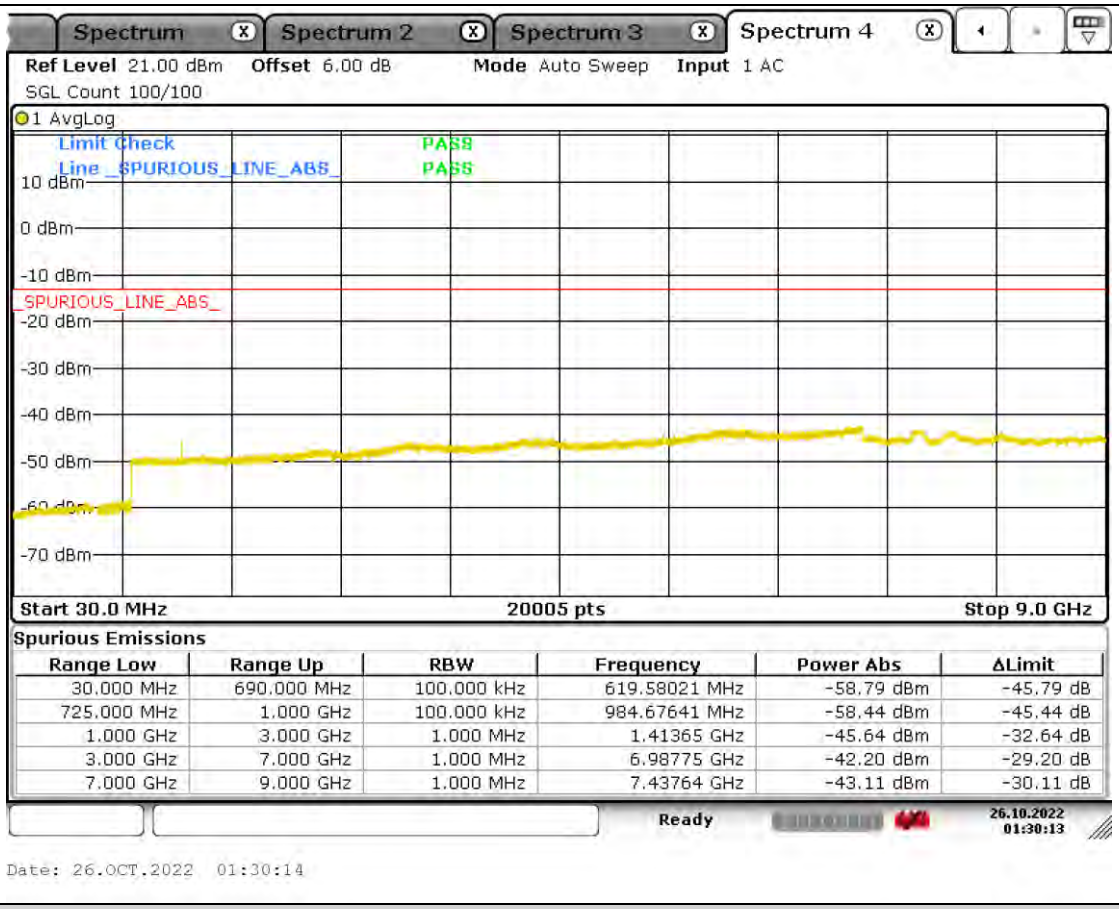
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-59.06 dBm	-46.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	958.70190 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90827 GHz	-46.94 dBm	-33.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-41.88 dBm	-28.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47513 GHz	-43.07 dBm	-30.07 dB

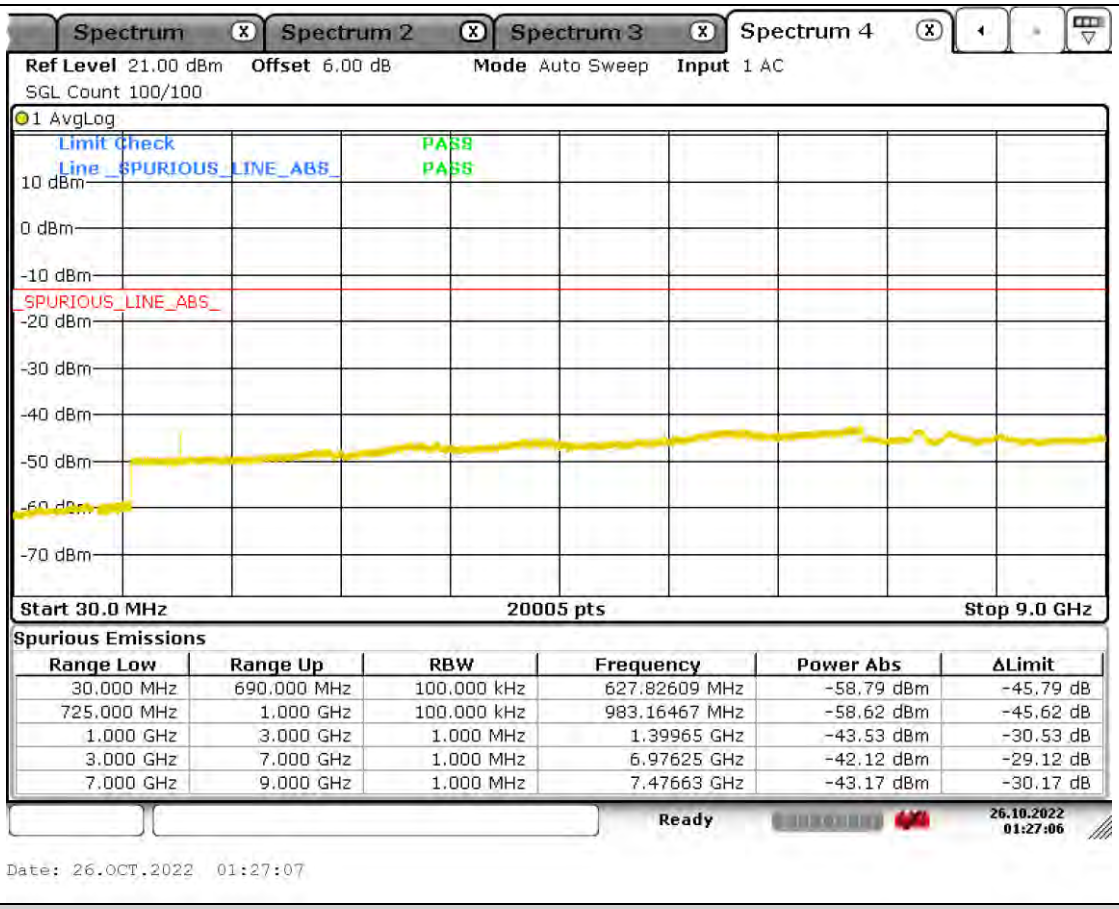
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.58021 MHz	-58.79 dBm	-45.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.67641 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.64 dBm	-32.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43764 GHz	-43.11 dBm	-30.11 dB

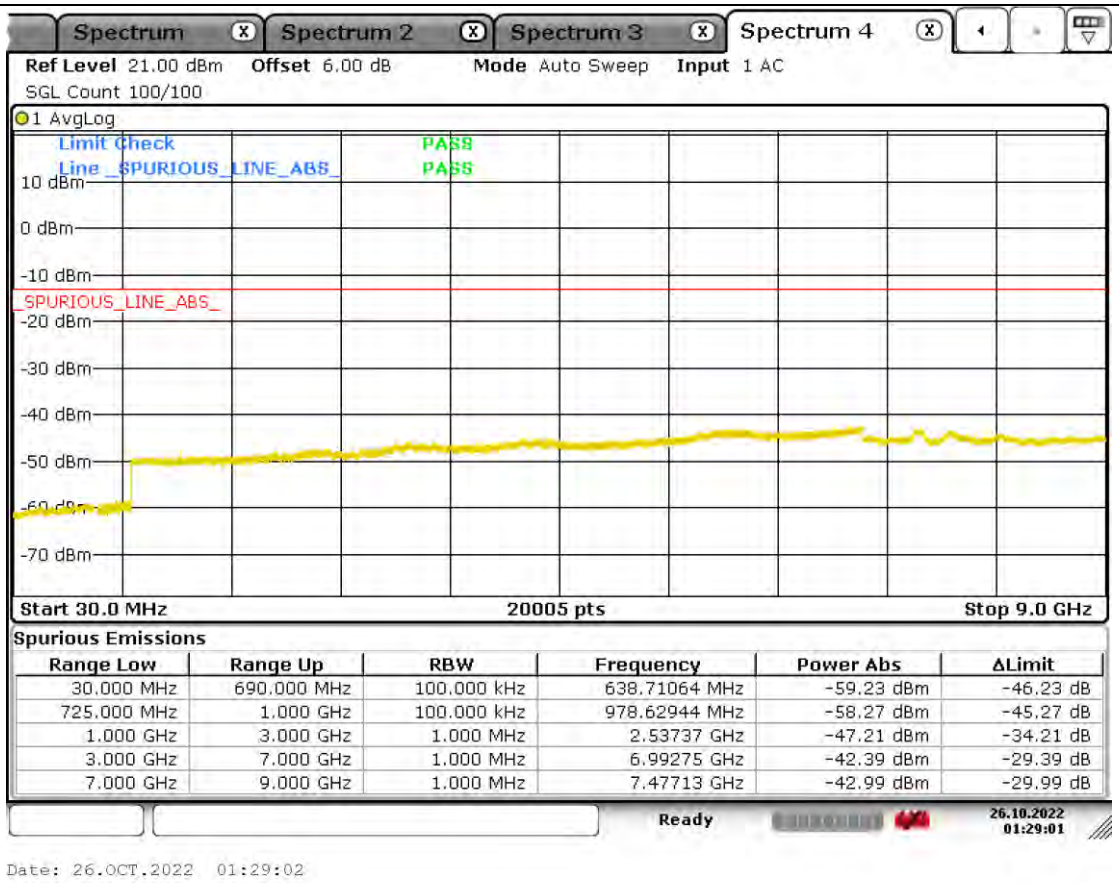
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.82609 MHz	-58.79 dBm	-45.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.16467 MHz	-58.62 dBm	-45.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.53 dBm	-30.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-42.12 dBm	-29.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47663 GHz	-43.17 dBm	-30.17 dB

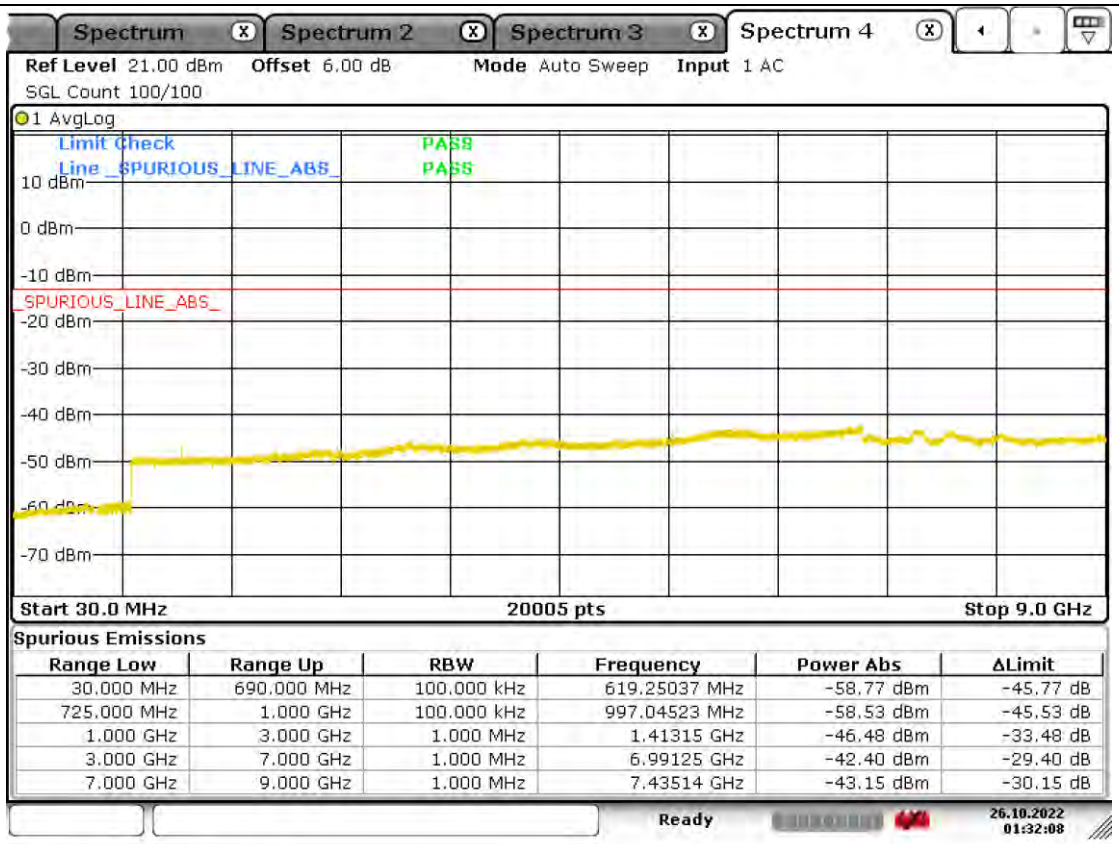
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	638.71064 MHz	-59.23 dBm	-46.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	978.62944 MHz	-58.27 dBm	-45.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.53737 GHz	-47.21 dBm	-34.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.39 dBm	-29.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.47713 GHz	-42.99 dBm	-29.99 dB

Band12-10MHz-16QAM-23130-1RB#0-Range1:30~9000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	619.25037 MHz	-58.77 dBm	-45.77 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.04523 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41315 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.43514 GHz	-43.15 dBm	-30.15 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	-7	-0.009943	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	1.8	0.002557	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	9.9	0.014063	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-14.4	-0.020353	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-6.3	-0.008905	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	12.8	0.018092	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	9	0.012658	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-3.2	-0.004501	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	11.6	0.016315	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	6.7	0.009517	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	3.2	0.004545	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-9.6	-0.013636	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	14.7	0.020777	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-10.6	-0.014982	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	1.6	0.002261	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-13.6	-0.019128	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-10.1	-0.014205	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	9.9	0.013924	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-7	-0.009943	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	1.8	0.002557	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	9.9	0.014063	±2.5	PASS

Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-14.4	-0.020353	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-6.3	-0.008905	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	12.8	0.018092	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	9	0.012658	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-3.2	-0.004501	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	11.6	0.016315	±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	21	0.029830	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	-20	-13.3	-0.018892	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	0	-10.2	-0.014489	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	10	-1.7	-0.002415	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	20	20.7	0.029403	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	30	1.6	0.002273	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	40	-7.4	-0.010511	±2.5	PASS
Band12	10MHz	QPSK	704	50RB#0	NV	50	20.8	0.029545	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-30	-8.1	-0.011449	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	-20	-24.7	-0.034912	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	0	2.3	0.003251	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	10	-15.6	-0.022049	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	20	1.4	0.001979	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	30	-22.6	-0.031943	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	40	18.9	0.026714	±2.5	PASS
Band12	10MHz	QPSK	707.5	50RB#0	NV	50	2	0.002827	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-30	4.1	0.005767	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	-20	-0.4	-0.000563	±2.5	PASS

Band12	10MHz	QPSK	711	50RB#0	NV	0	8.9	0.012518	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	10	10.8	0.015190	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	20	-17.1	-0.024051	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	30	-2.9	-0.004079	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	40	23.4	0.032911	±2.5	PASS
Band12	10MHz	QPSK	711	50RB#0	NV	50	2.6	0.003657	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-30	-11.7	-0.016619	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	-20	21.2	0.030114	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	0	22.2	0.031534	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	10	-11.8	-0.016761	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	20	17.5	0.024858	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	30	-4.3	-0.006108	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	40	-18.9	-0.026847	±2.5	PASS
Band12	10MHz	16QAM	704	50RB#0	NV	50	-6.4	-0.009091	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-30	-24.1	-0.034064	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	-20	20.7	0.029258	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	0	-16.3	-0.023039	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	10	-23	-0.032509	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	20	16.4	0.023180	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	30	15.6	0.022049	±2.5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	40	3	0.004240	±2 .5	PASS
Band12	10MHz	16QAM	707.5	50RB#0	NV	50	-6.9	-0.009753	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-30	24.1	0.033896	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	-20	-1.2	-0.001688	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	0	5.4	0.007595	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	10	24.8	0.034880	±2.5	PASS
Band1	10MHz	16QAM	711	50RB#0	NV	20	4.3	0.006048	±2.5	PASS

2										
Band12	10MHz	16QAM	711	50RB#0	NV	30	23.4	0.032911	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	40	5.1	0.007173	±2.5	PASS
Band12	10MHz	16QAM	711	50RB#0	NV	50	12.6	0.017722	±2.5	PASS

LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF)

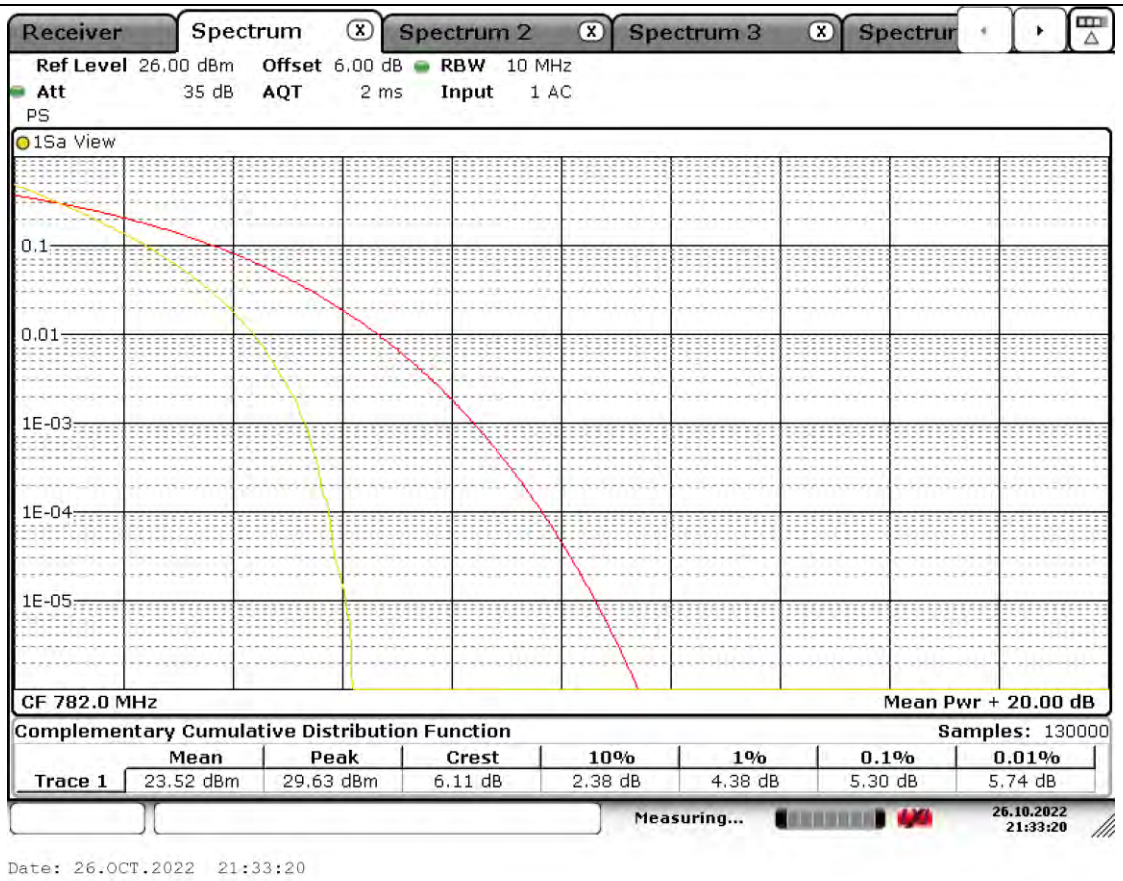
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.35	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.30	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.80	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.06	13	PASS

Test Graphs

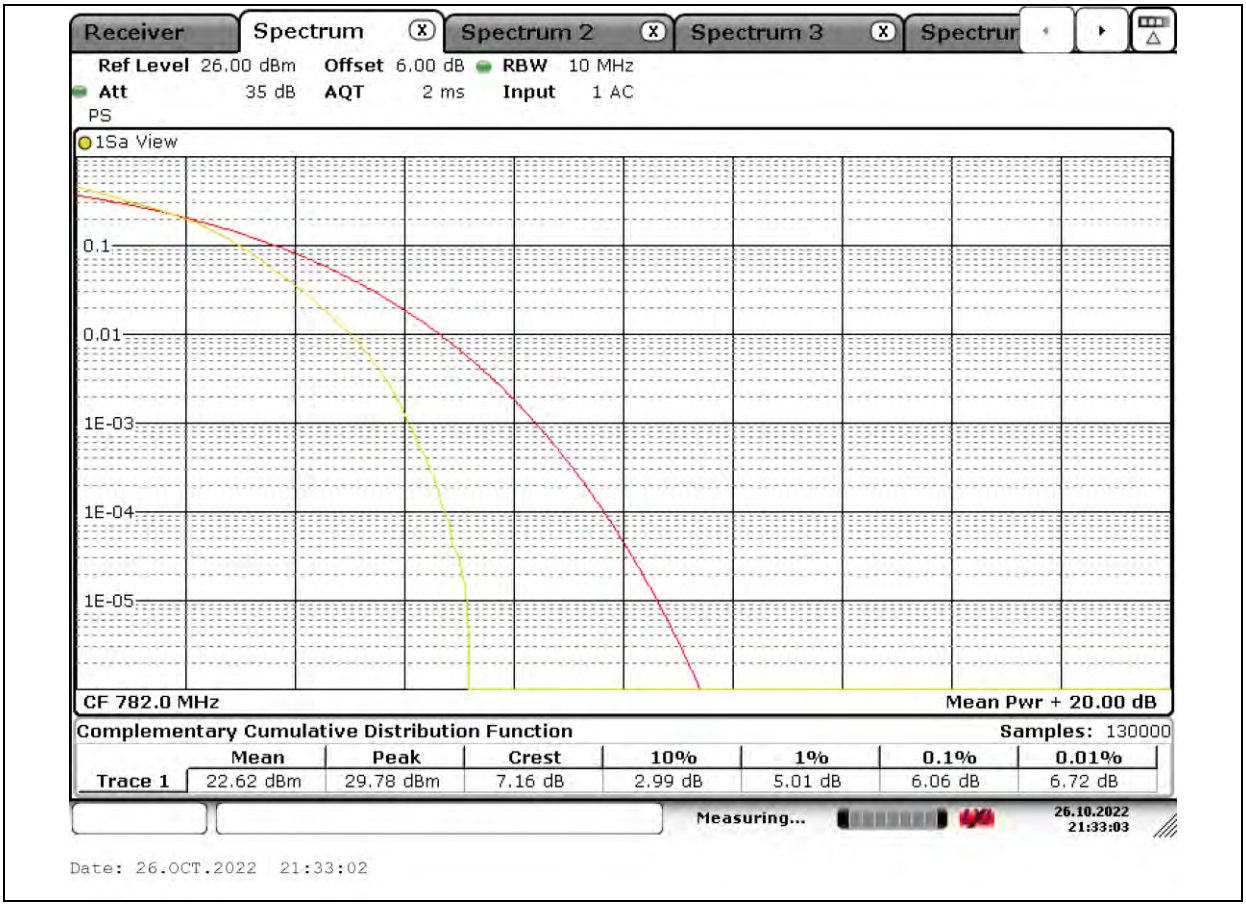
Band13-10MHz-QPSK-23230-1RB#0

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



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

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


Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrum
Ref Level 26.00 dBm Offset 6.00 dB RBW 10 MHz
Att 35 dB AQT 2 ms Input 1 AC
PS
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 22.62 dBm 29.78 dBm 7.16 dB 2.99 dB 5.01 dB 6.06 dB 6.72 dB
Measuring...
26.10.2022
21:33:03
Date: 26.OCT.2022 21:33:02

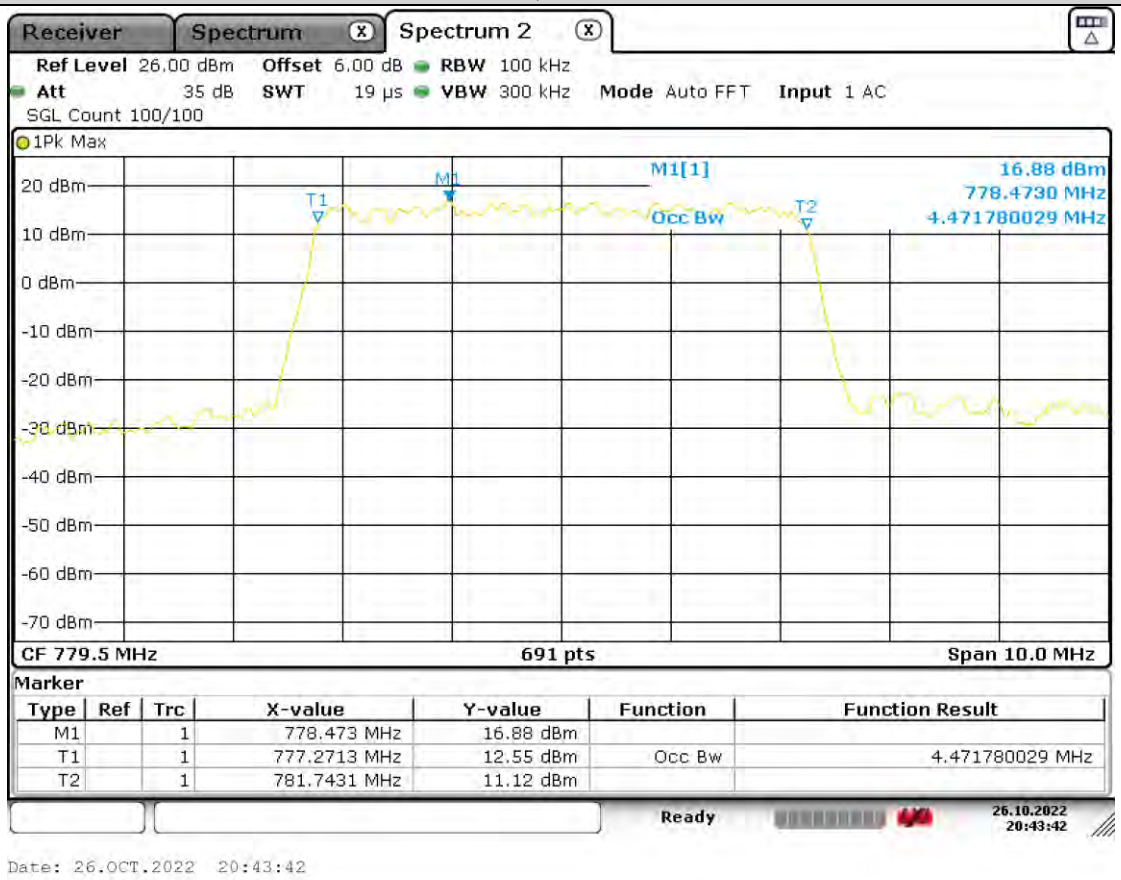
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

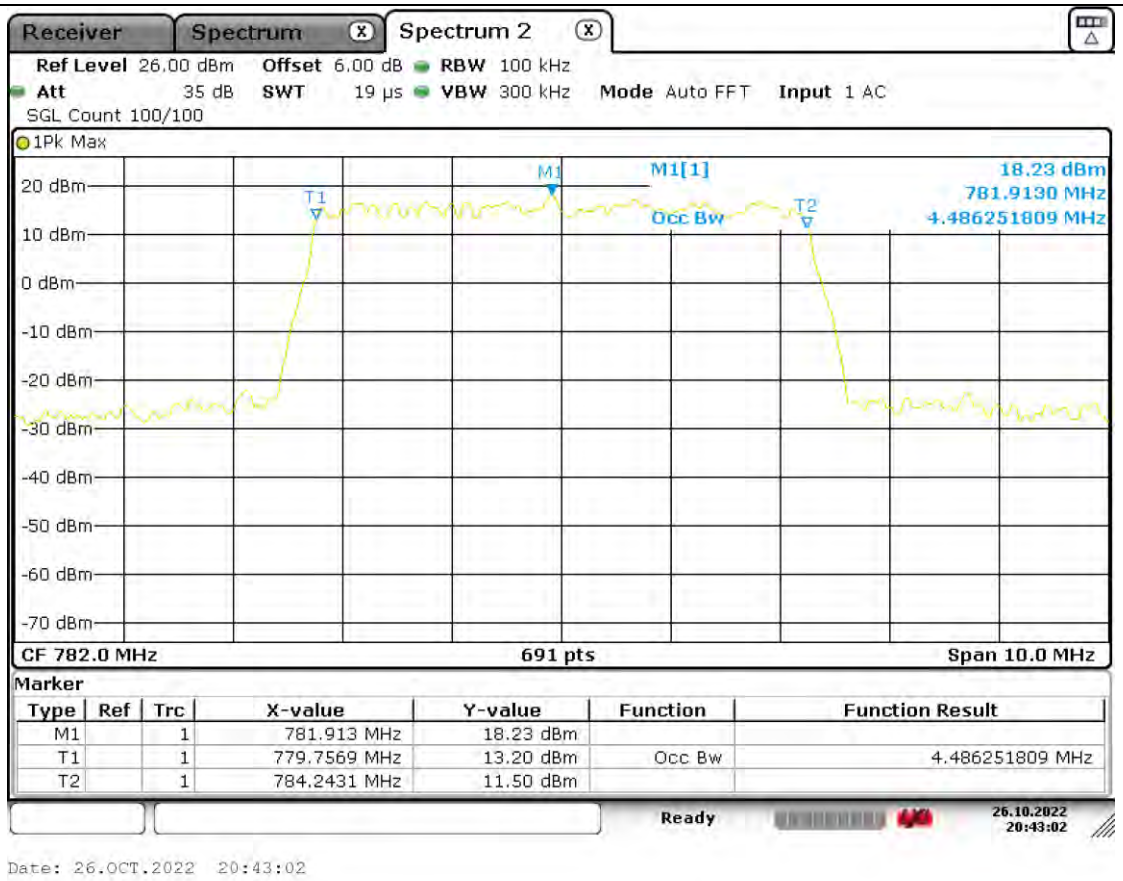
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.472	4.92	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.486	4.964	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.501	4.935	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.501	4.834	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.501	4.92	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.486	4.949	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.059	9.928	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.030	9.899	PASS

Test Graphs

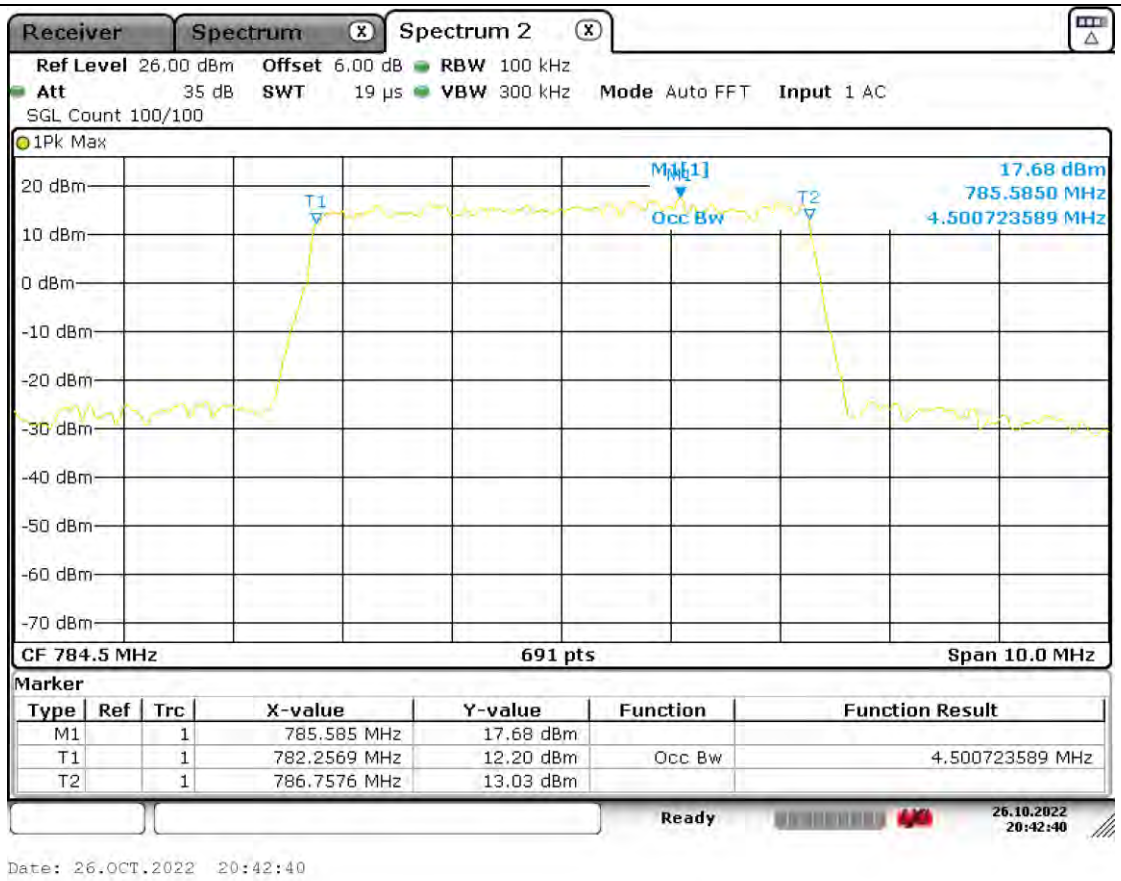
Band13-5MHz-QPSK-23205-25RB#0



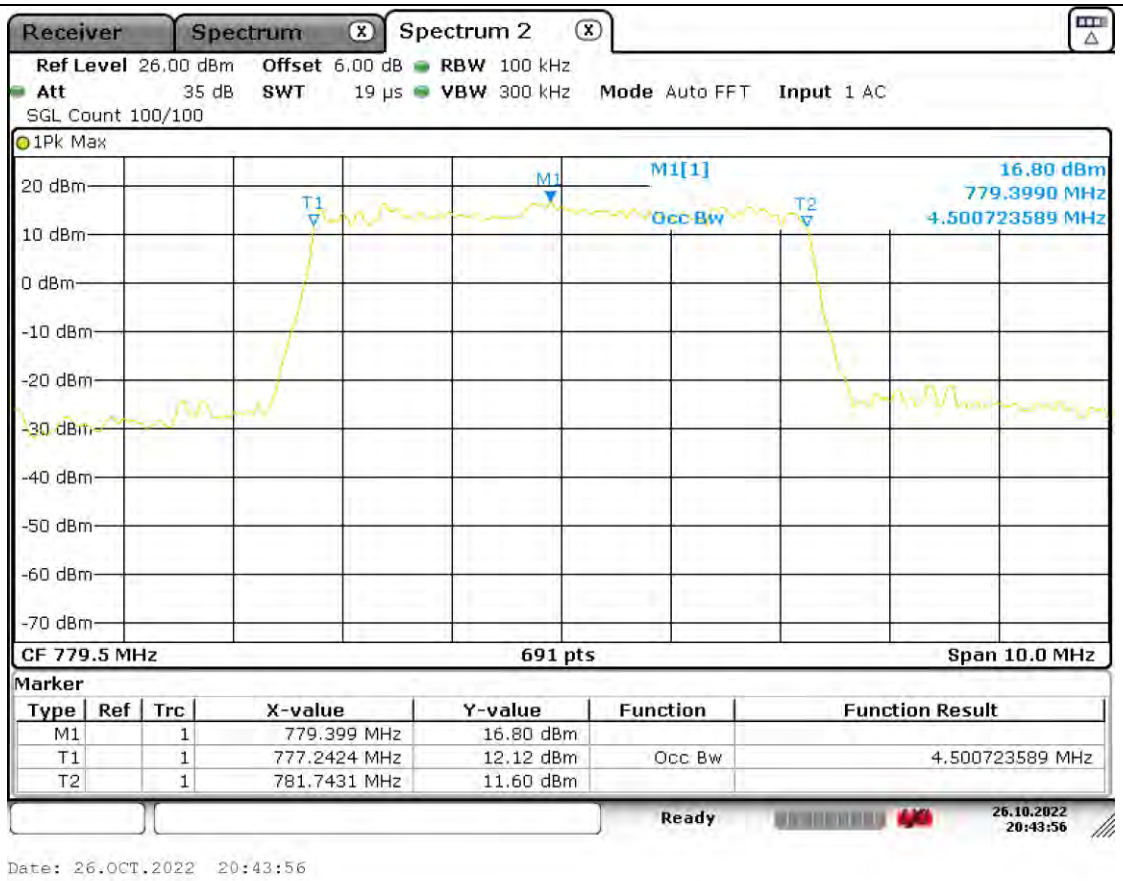
Band13-5MHz-QPSK-23230-25RB#0



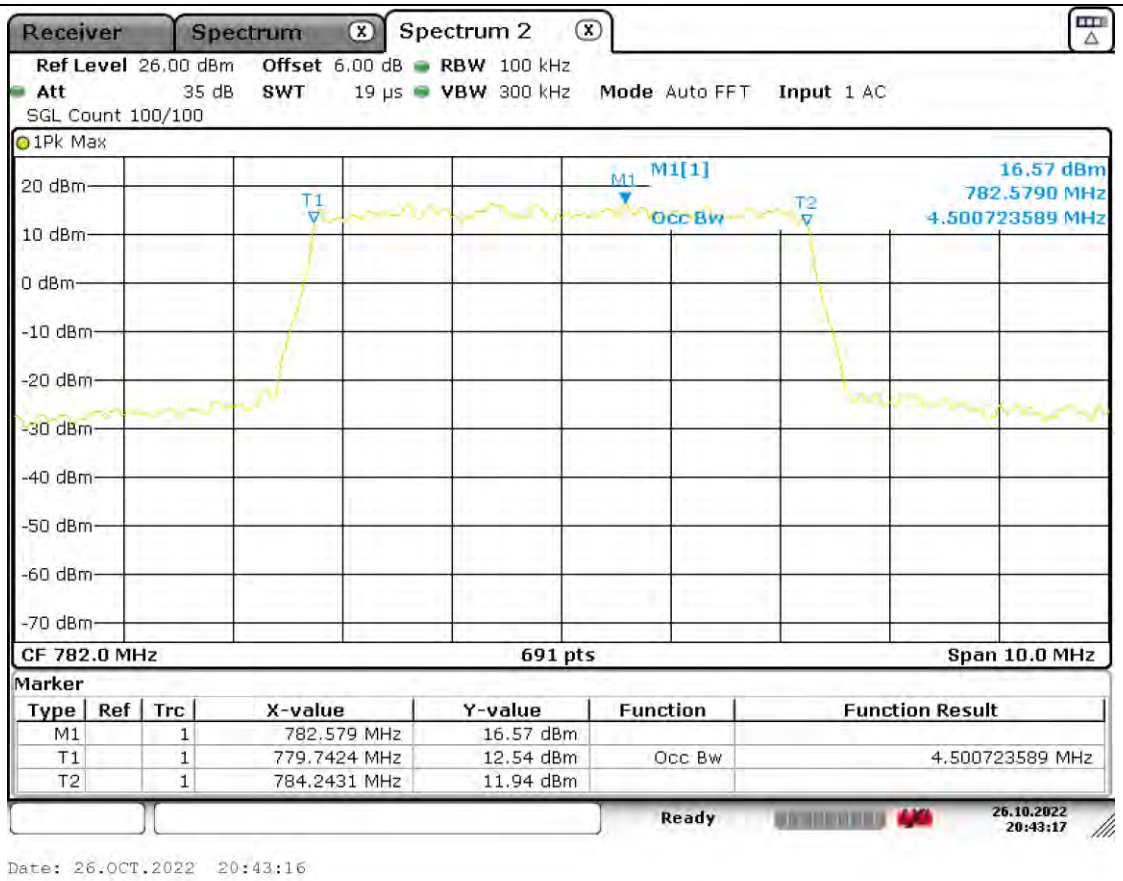
Band13-5MHz-QPSK-23255-25RB#0



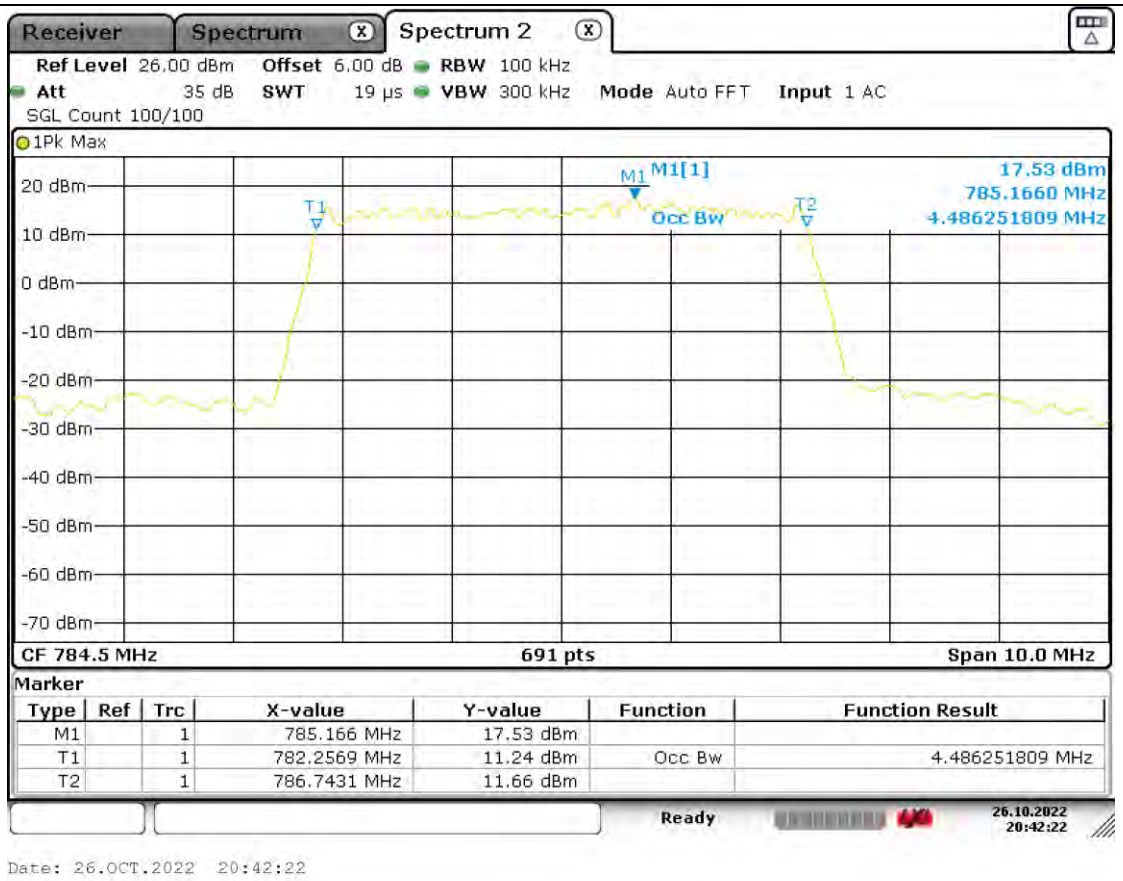
Band13-5MHz-16QAM-23205-25RB#0



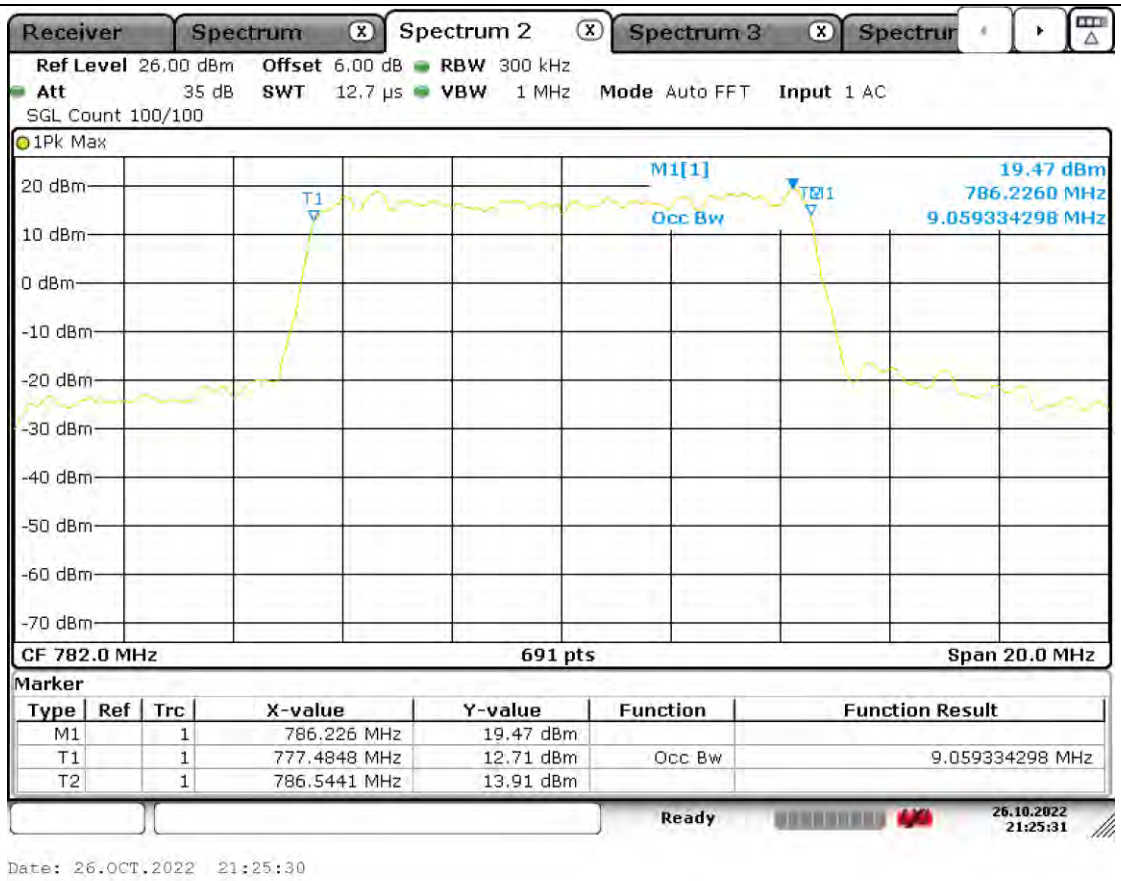
Band13-5MHz-16QAM-23230-25RB#0



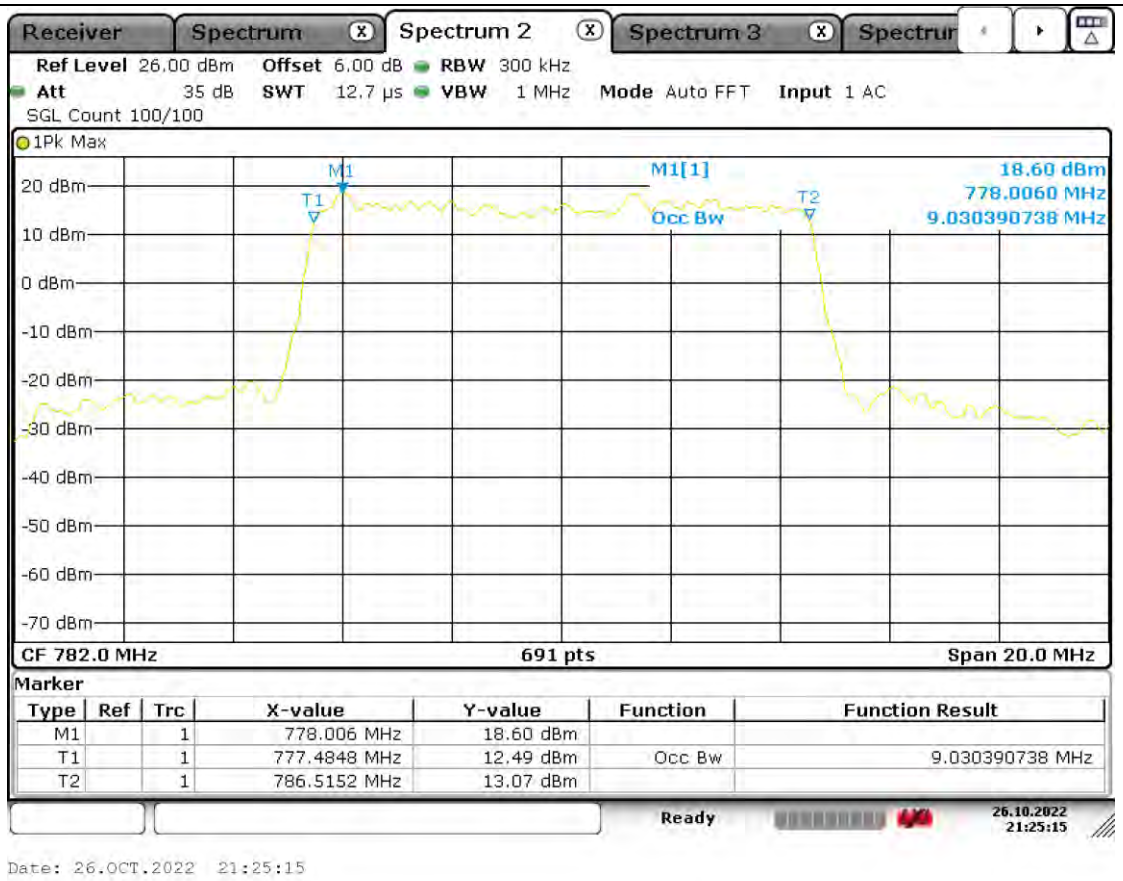
Band13-5MHz-16QAM-23255-25RB#0



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

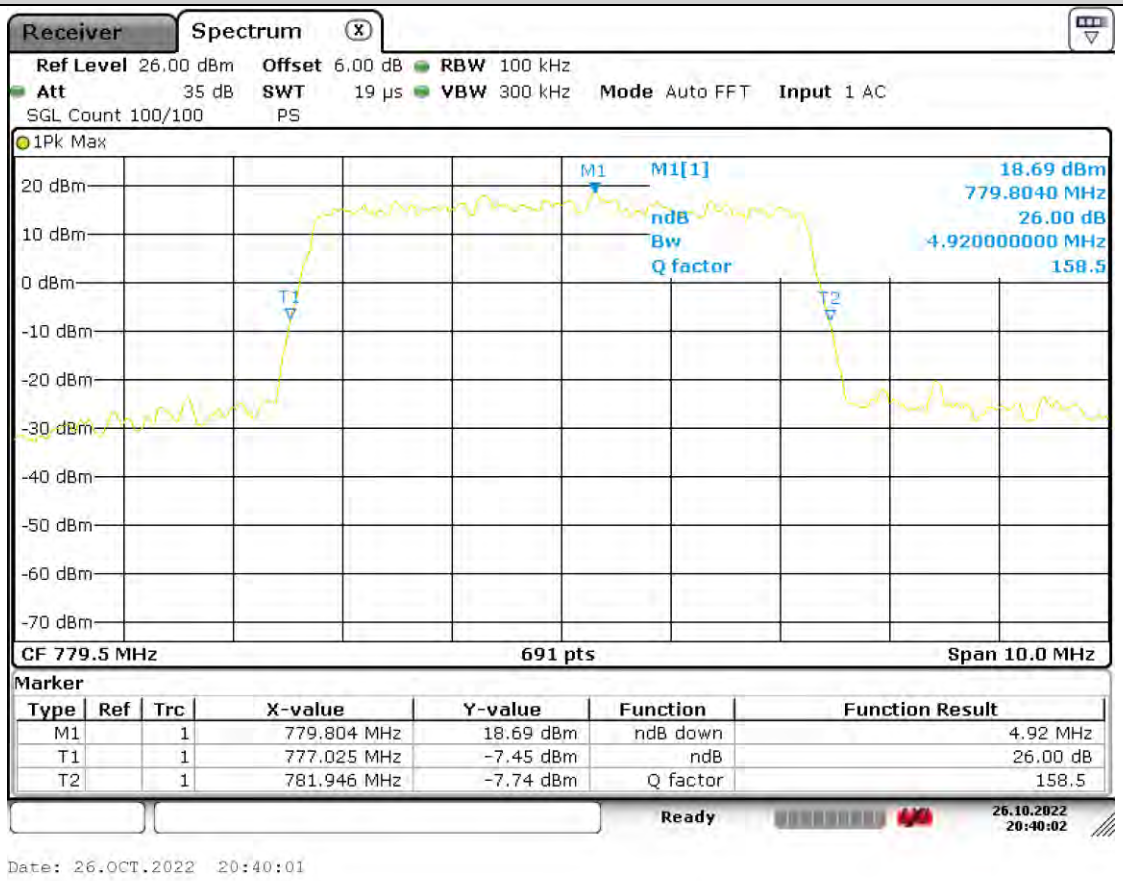


Band13-10MHz-16QAM-23230-50RB#0

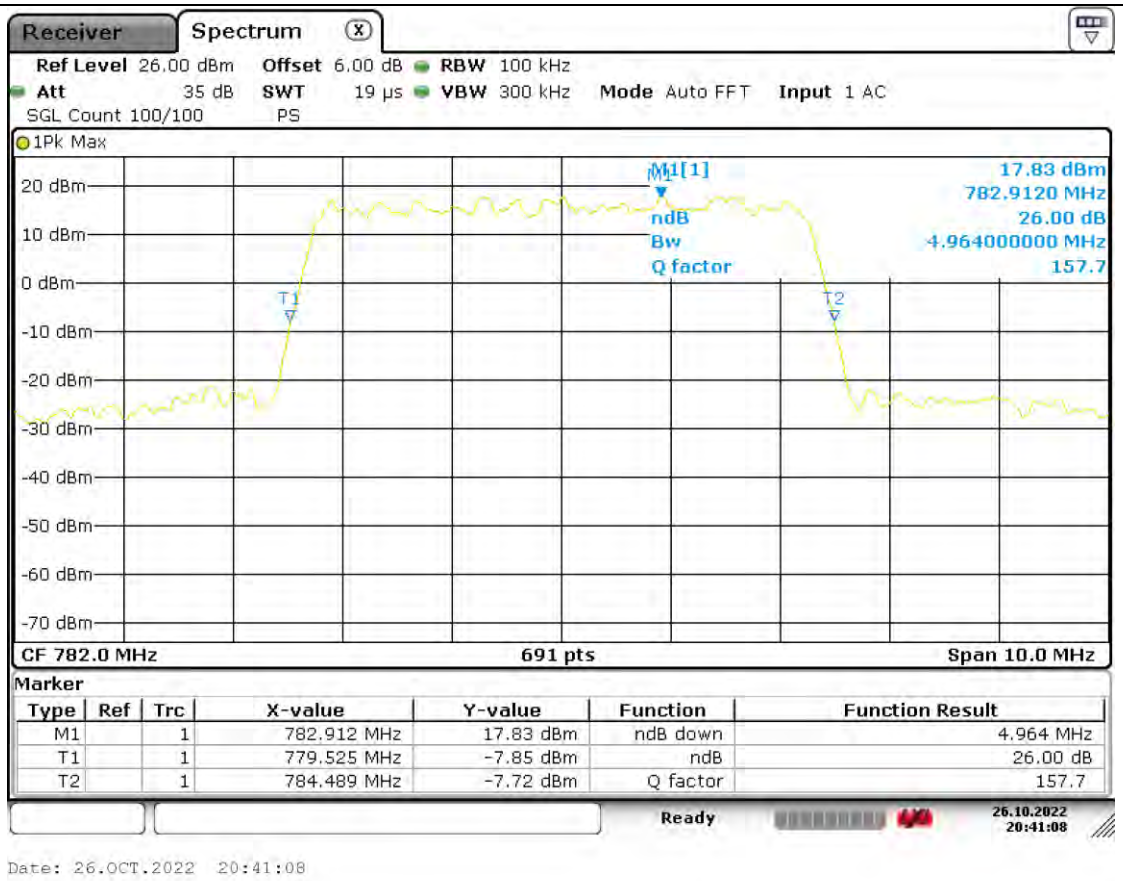

Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrum
Ref Level 26.00 dBm Offset 6.00 dB RBW 300 kHz
Att 35 dB SWT 12.7 µs VBW 1 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100
1Pk Max
M1
M1[1]
18.60 dBm
778.0060 MHz
9.030390738 MHz
T1
T2
Occ Bw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 782.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 778.006 MHz 18.60 dBm
T1 1 777.4848 MHz 12.49 dBm Occ Bw 9.030390738 MHz
T2 1 786.5152 MHz 13.07 dBm
Ready
26.10.2022
21:25:15
Date: 26.OCT.2022 21:25:15

26dB Bandwidth

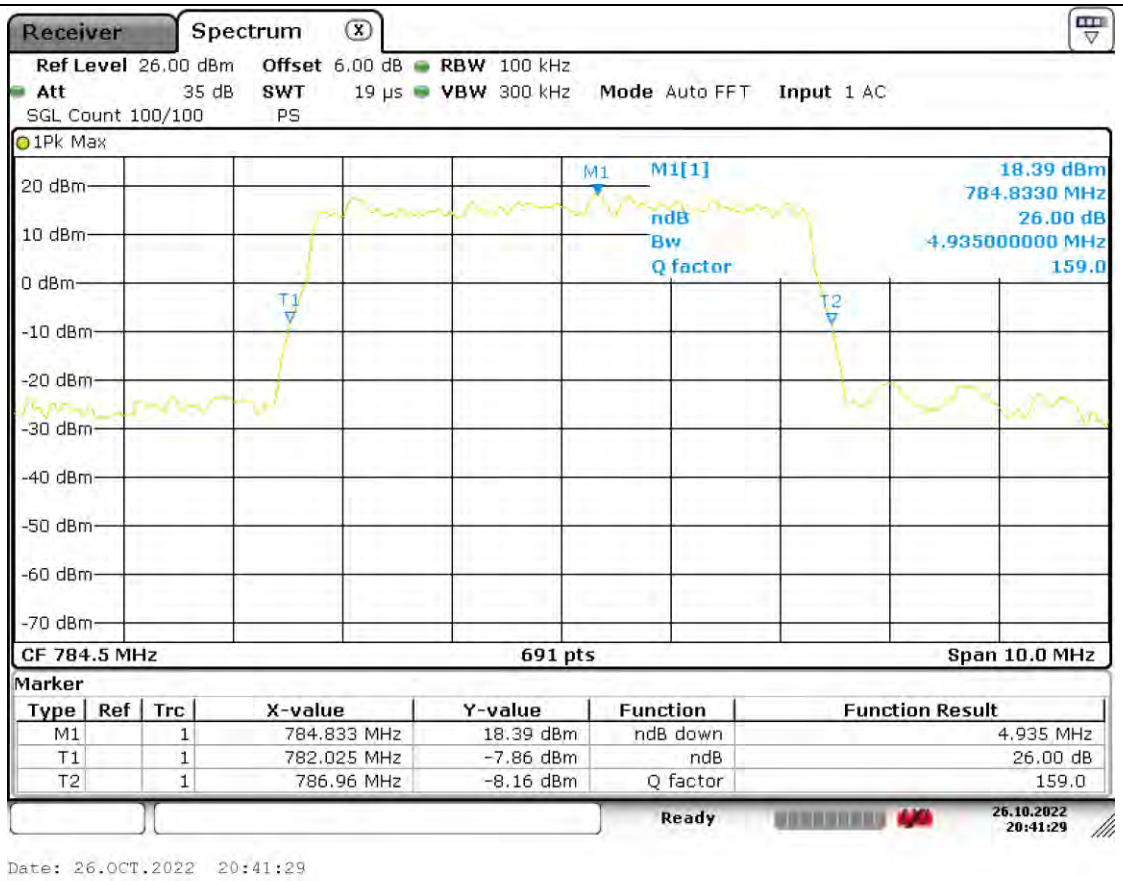
Band13-5MHz-QPSK-23205-25RB#0



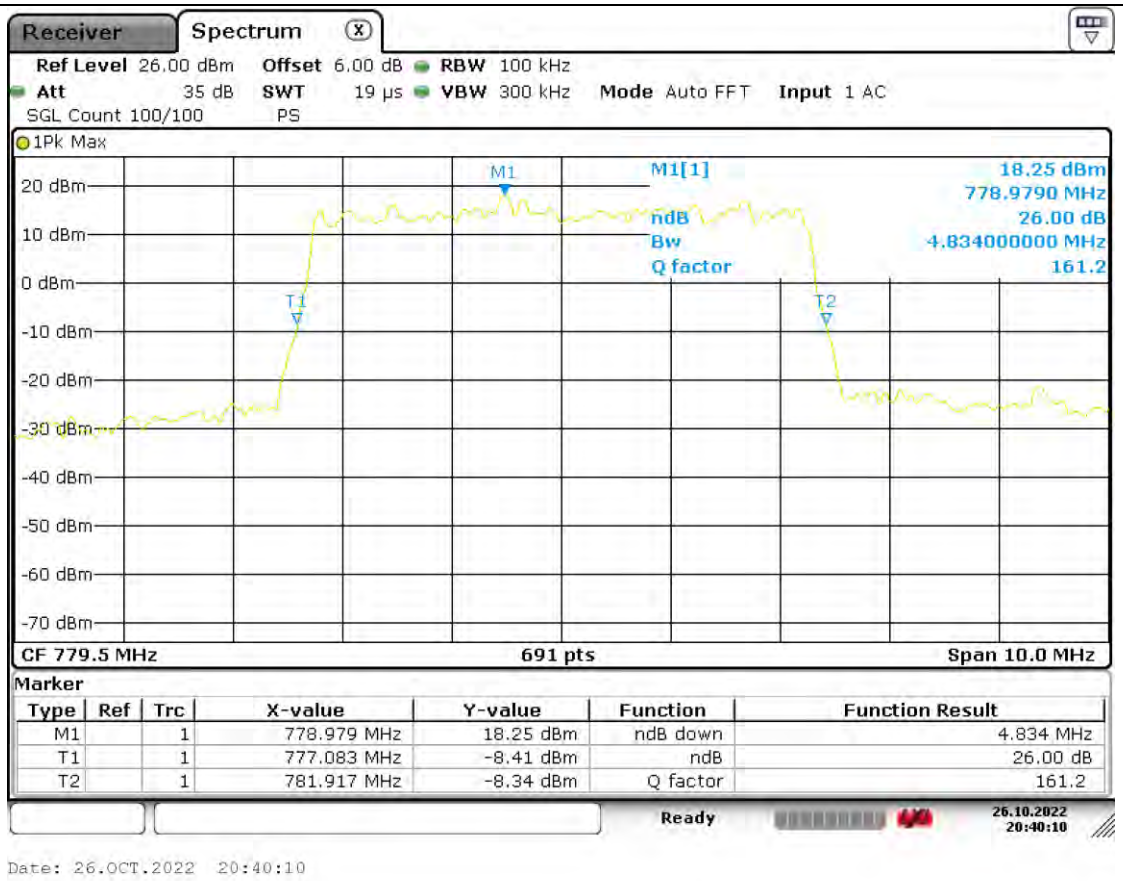
Band13-5MHz-QPSK-23230-25RB#0



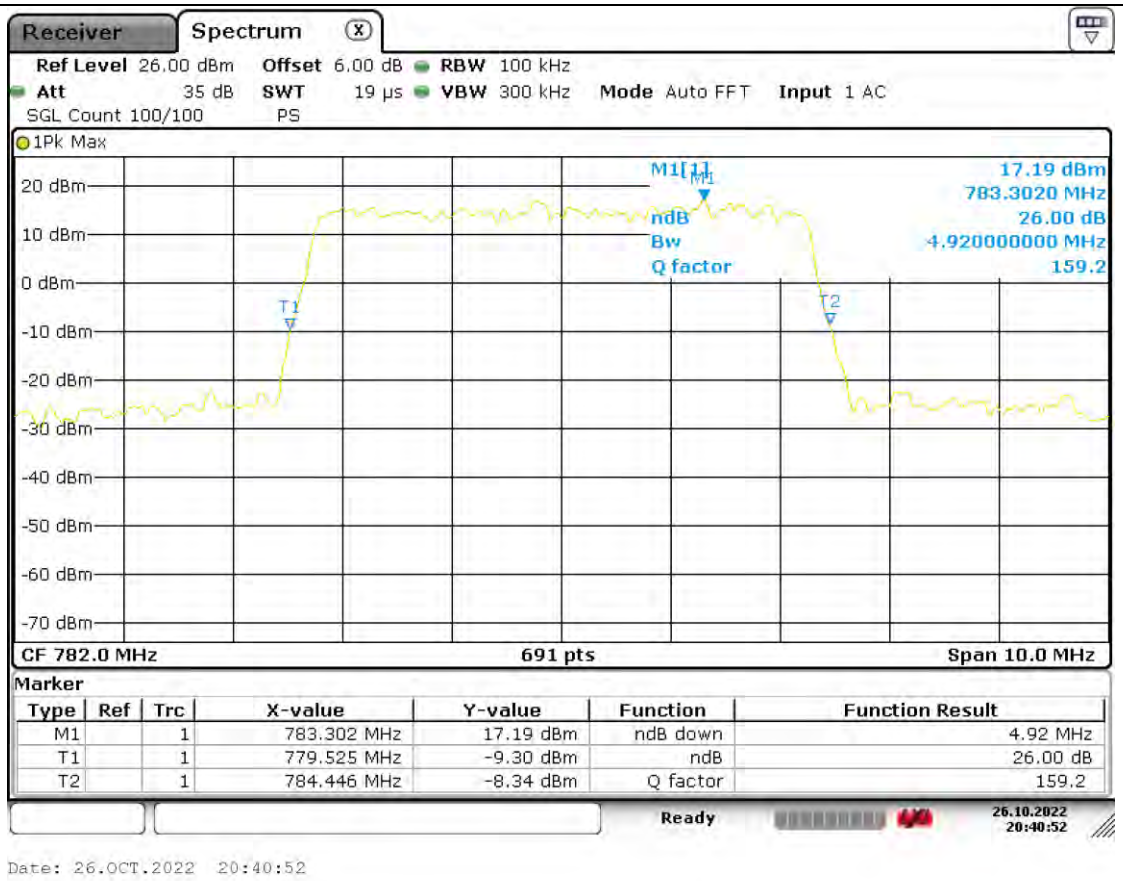
Band13-5MHz-QPSK-23255-25RB#0



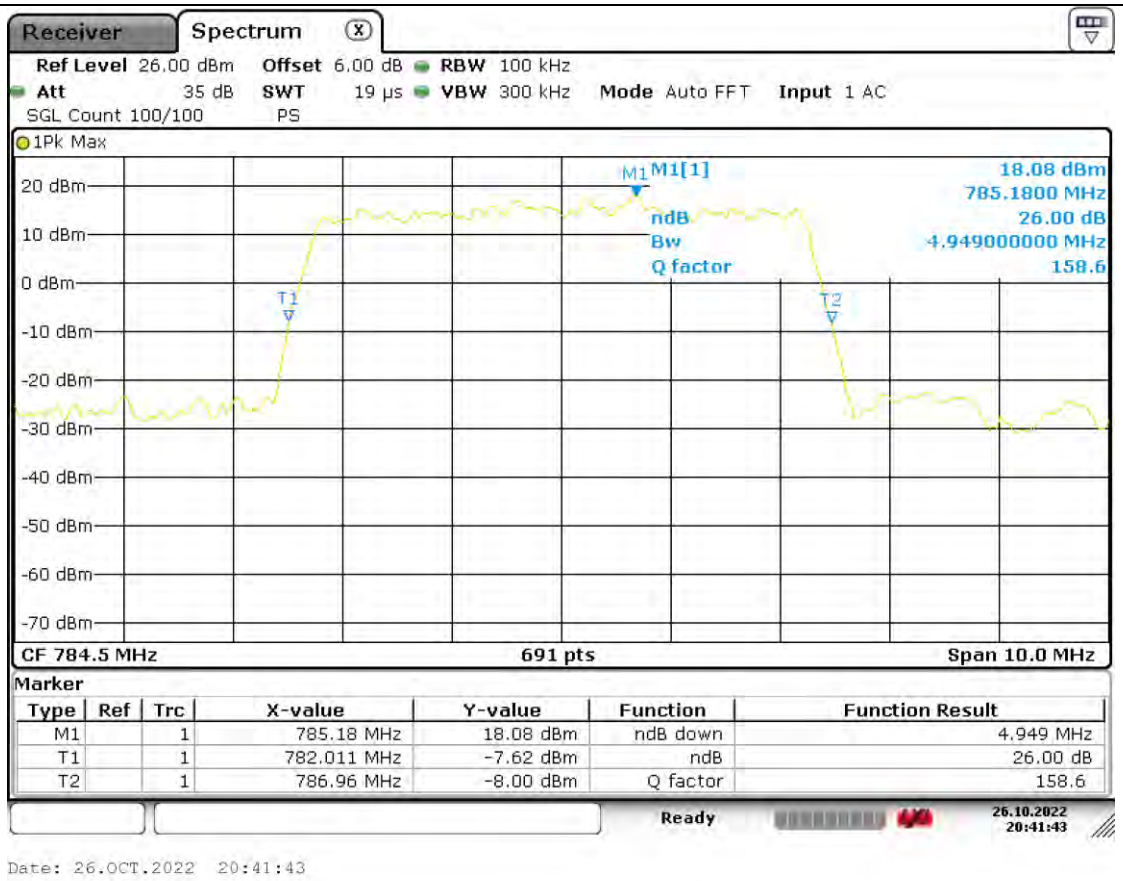
Band13-5MHz-16QAM-23205-25RB#0



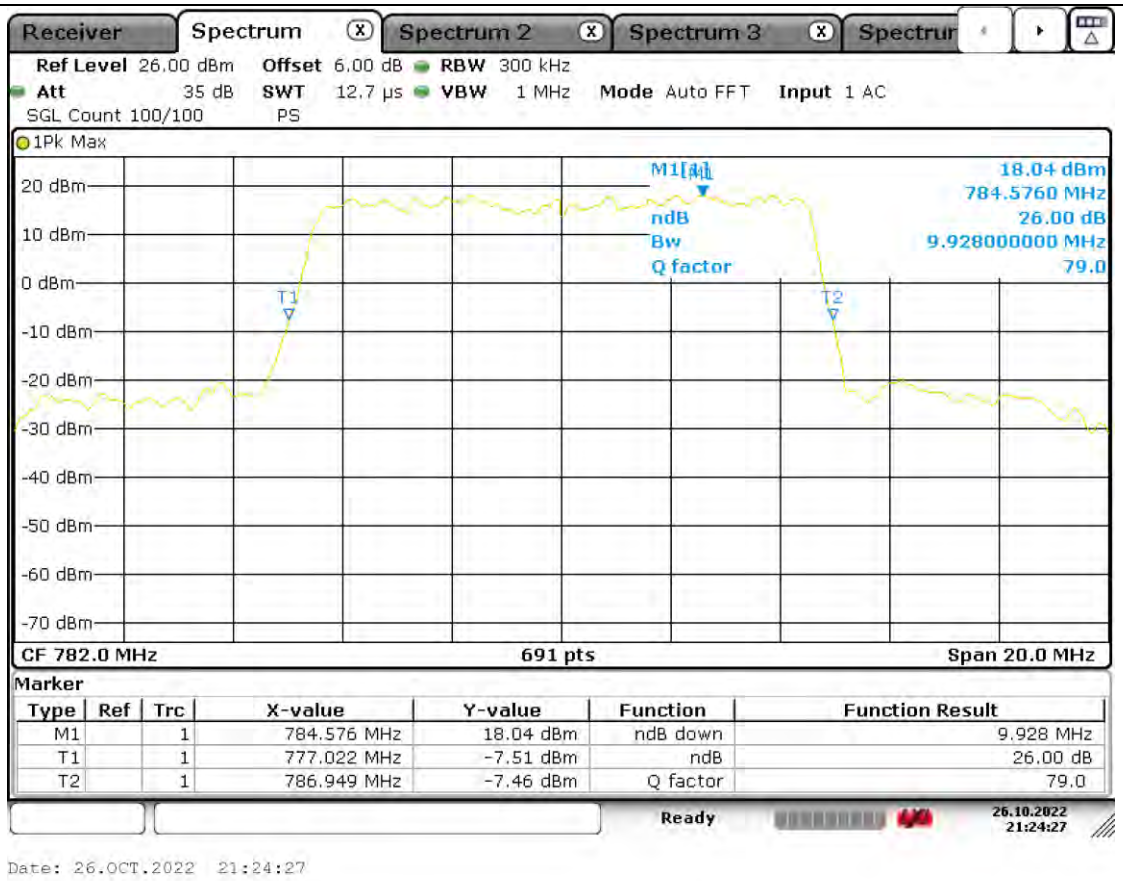
Band13-5MHz-16QAM-23230-25RB#0



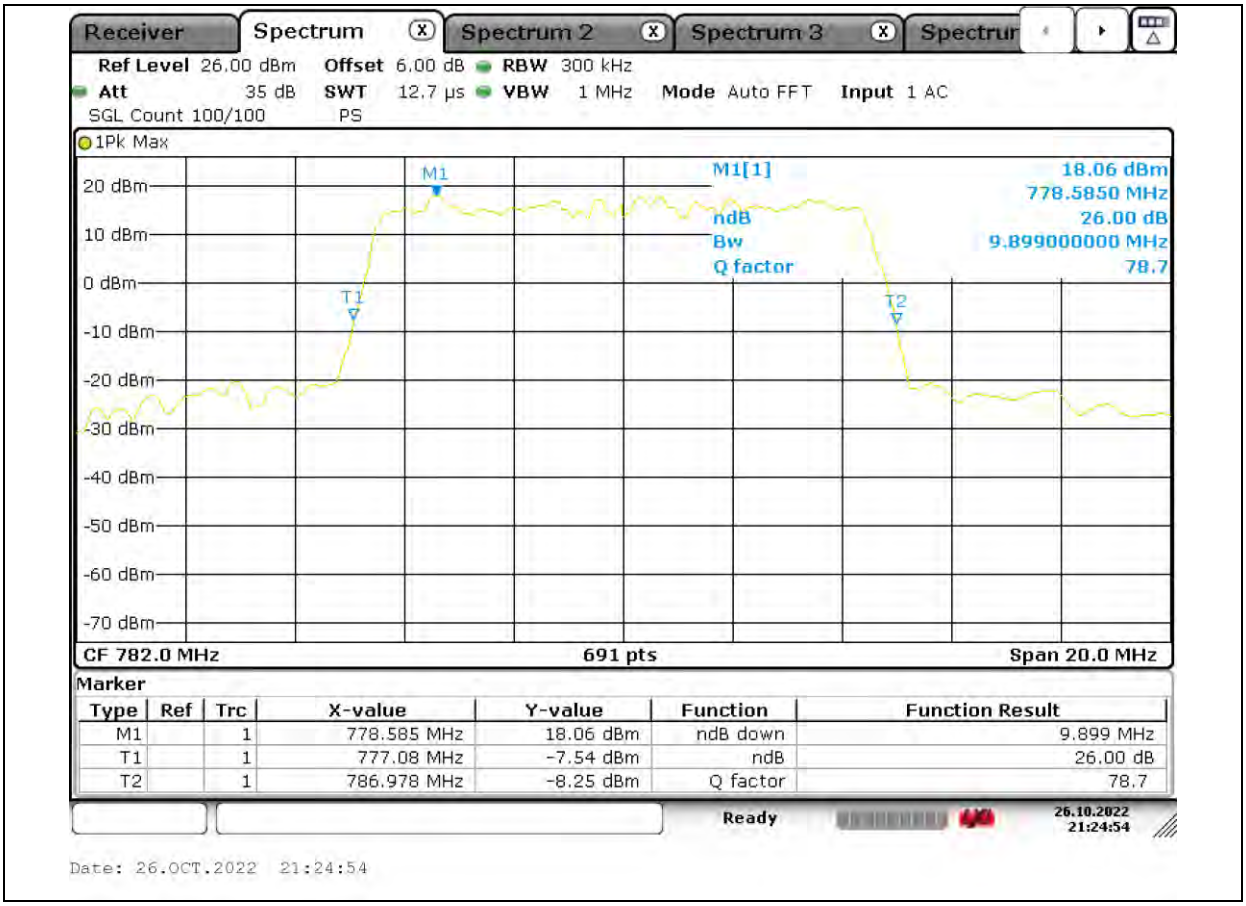
Band13-5MHz-16QAM-23255-25RB#0



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



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


Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrum
Ref Level 26.00 dBm Offset 6.00 dB RBW 300 kHz
Att 35 dB SWT 12.7 µs VBW 1 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100 PS
1Pk Max
M1
M1[1]
18.06 dBm
778.5850 MHz
ndB 26.00 dB
Bw 9.899000000 MHz
Q factor 78.7
T1
T2
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 782.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 778.585 MHz 18.06 dBm ndB down 9.899 MHz
T1 1 777.08 MHz -7.54 dBm ndB 26.00 dB
T2 1 786.978 MHz -8.25 dBm Q factor 78.7
Ready
26.10.2022
21:24:54
Date: 26.OCT.2022 21:24:54

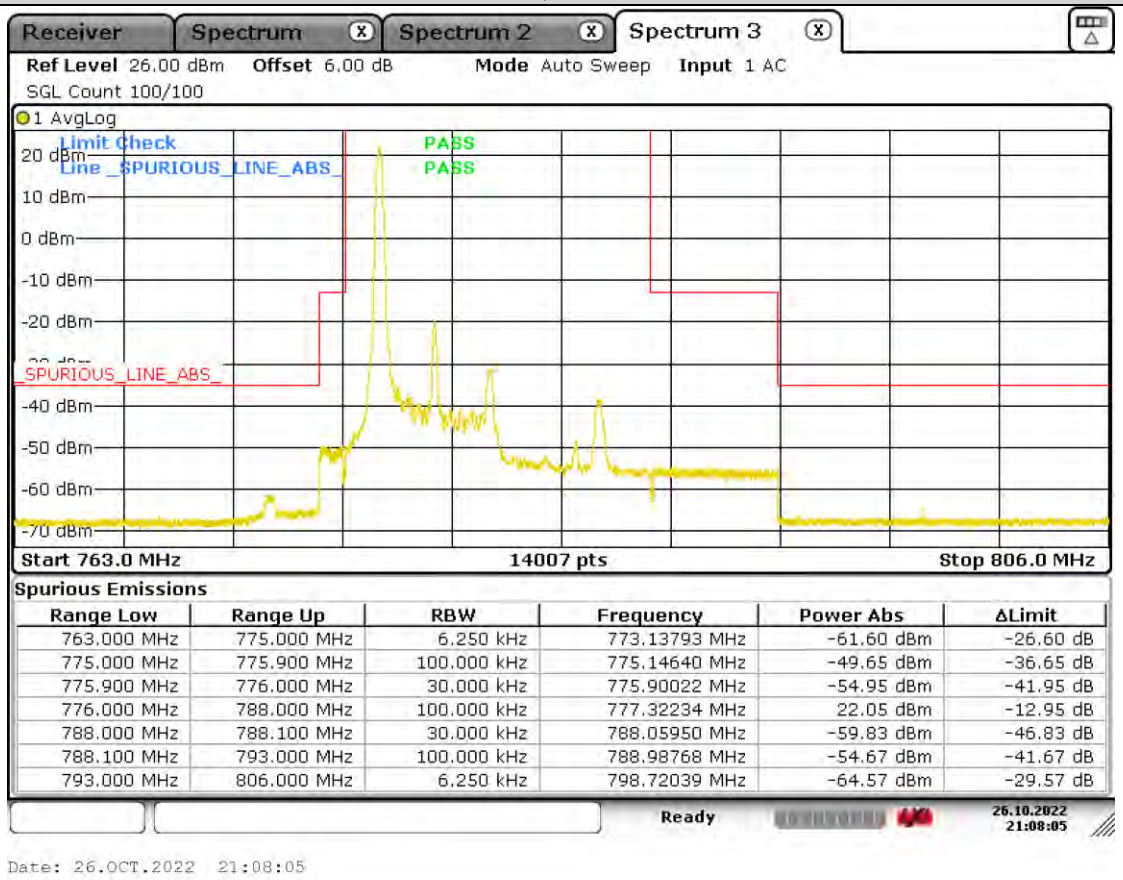
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-49.65	PASS
Band13	5MHz	QPSK	23205	25RB#0	-37.2	PASS
Band13	5MHz	QPSK	23255	1RB#24	-49.19	PASS
Band13	5MHz	QPSK	23255	25RB#0	-36.45	PASS
Band13	5MHz	16QAM	23205	1RB#0	-54.69	PASS
Band13	5MHz	16QAM	23205	25RB#0	-36.71	PASS
Band13	5MHz	16QAM	23255	1RB#24	-50.61	PASS
Band13	5MHz	16QAM	23255	25RB#0	-38.27	PASS
Band13	10MHz	QPSK	23230	1RB#0	-50.85	PASS
Band13	10MHz	QPSK	23230	1RB#49	-50.69	PASS
Band13	10MHz	QPSK	23230	50RB#0	-36.65	PASS
Band13	10MHz	16QAM	23230	1RB#0	-50.89	PASS
Band13	10MHz	16QAM	23230	1RB#49	-52.29	PASS
Band13	10MHz	16QAM	23230	50RB#0	-37.55	PASS

Test Graphs

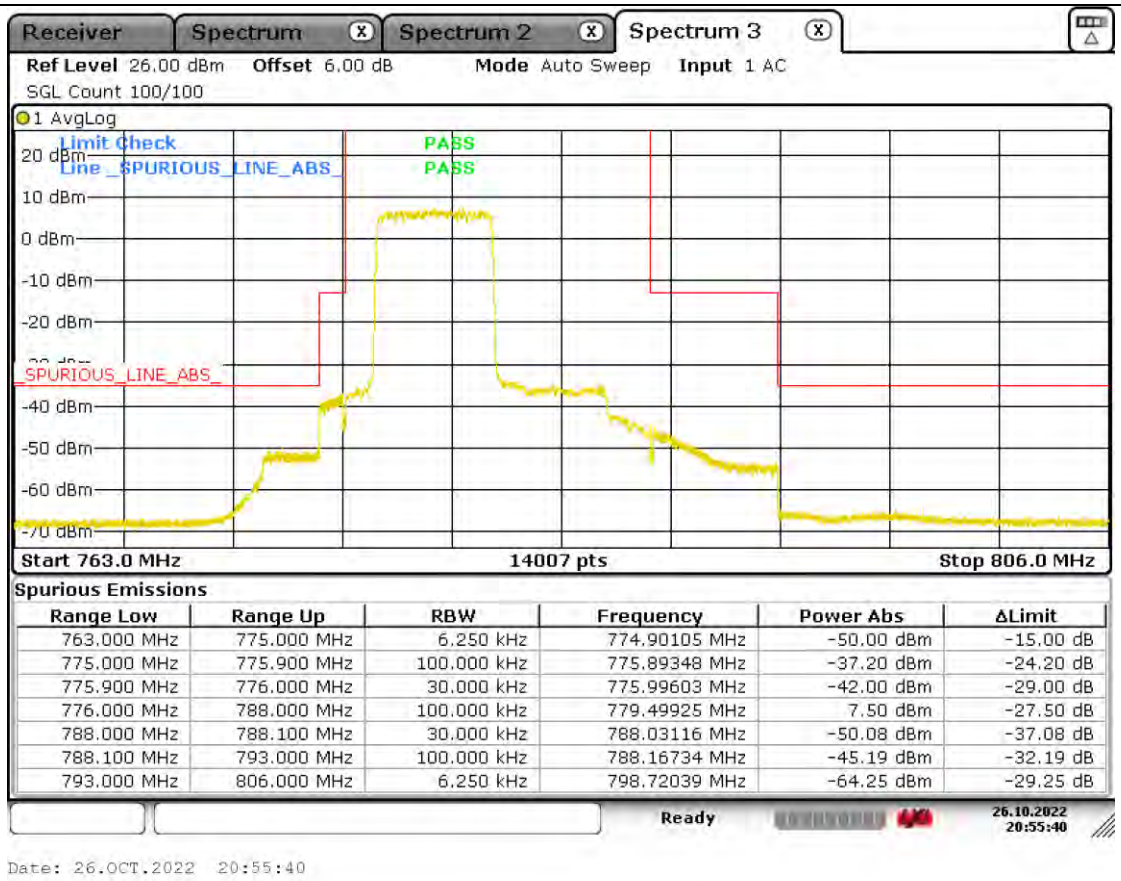
Band13-5MHz-QPSK-23205-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.13793 MHz	-61.60 dBm	-26.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.14640 MHz	-49.65 dBm	-36.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90022 MHz	-54.95 dBm	-41.95 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32234 MHz	22.05 dBm	-12.95 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05950 MHz	-59.83 dBm	-46.83 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.98768 MHz	-54.67 dBm	-41.67 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.72039 MHz	-64.57 dBm	-29.57 dB

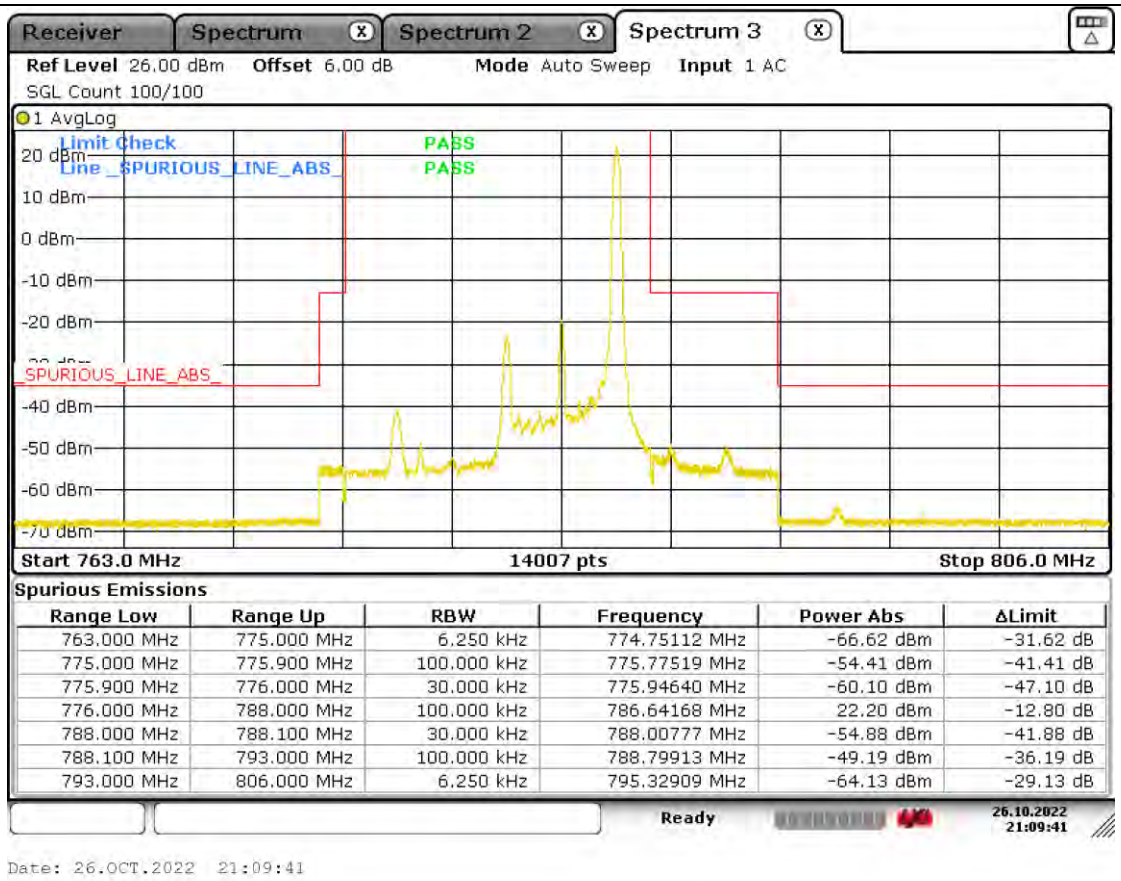
Band13-5MHz-QPSK-23205-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.90105 MHz	-50.00 dBm	-15.00 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89348 MHz	-37.20 dBm	-24.20 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99603 MHz	-42.00 dBm	-29.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.49925 MHz	7.50 dBm	-27.50 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03116 MHz	-50.08 dBm	-37.08 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16734 MHz	-45.19 dBm	-32.19 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.72039 MHz	-64.25 dBm	-29.25 dB

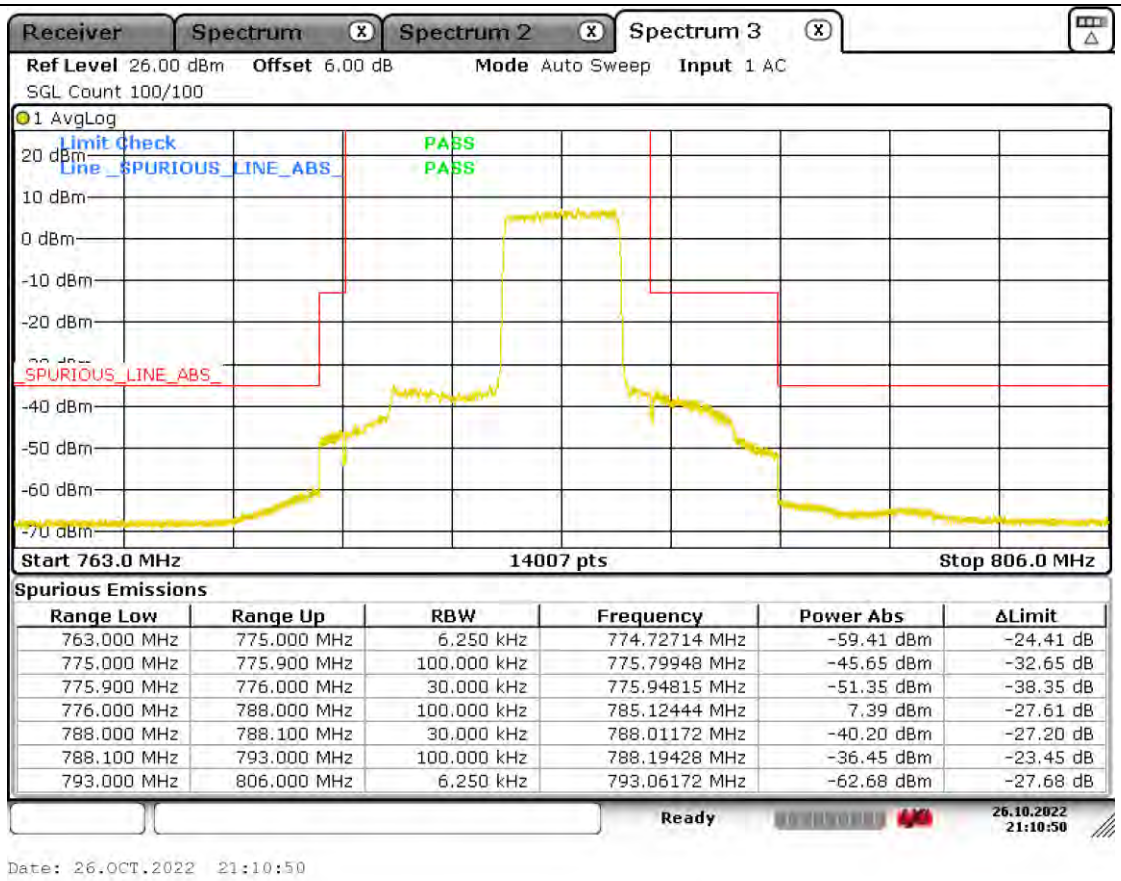
Band13-5MHz-QPSK-23255-1RB#24



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.75112 MHz	-66.62 dBm	-31.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.77519 MHz	-54.41 dBm	-41.41 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94640 MHz	-60.10 dBm	-47.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.64168 MHz	22.20 dBm	-12.80 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00777 MHz	-54.88 dBm	-41.88 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.79913 MHz	-49.19 dBm	-36.19 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.32909 MHz	-64.13 dBm	-29.13 dB

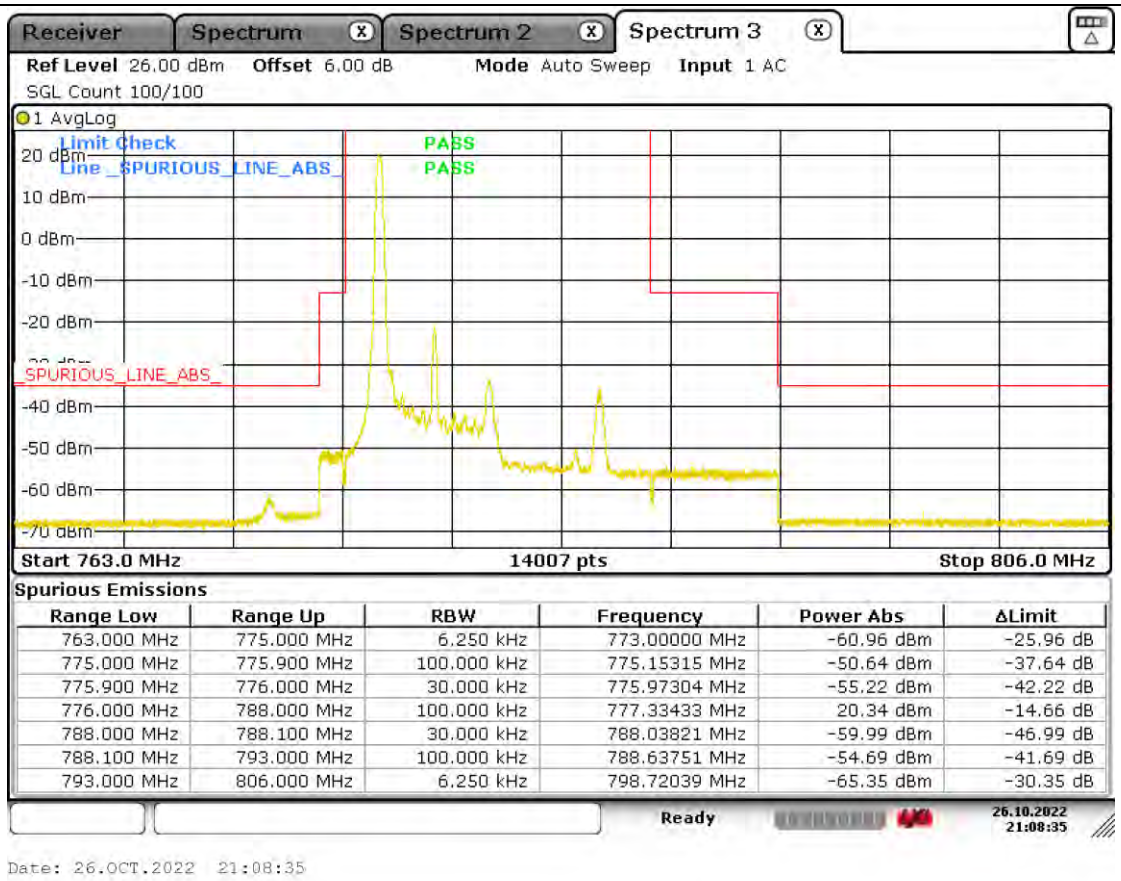
Band13-5MHz-QPSK-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.72714 MHz	-59.41 dBm	-24.41 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.79948 MHz	-45.65 dBm	-32.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94815 MHz	-51.35 dBm	-38.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.12444 MHz	7.39 dBm	-27.61 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01172 MHz	-40.20 dBm	-27.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19428 MHz	-36.45 dBm	-23.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.06172 MHz	-62.68 dBm	-27.68 dB

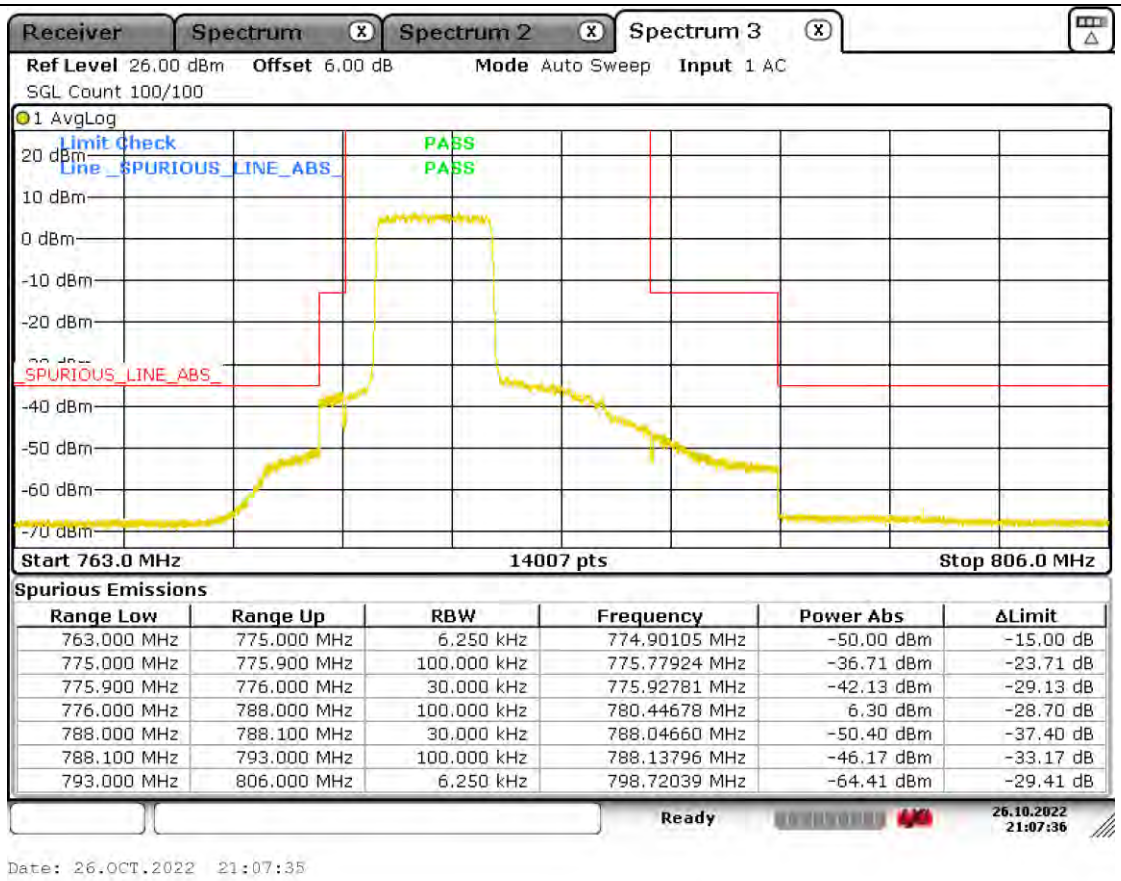
Band13-5MHz-16QAM-23205-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.00000 MHz	-60.96 dBm	-25.96 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.15315 MHz	-50.64 dBm	-37.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97304 MHz	-55.22 dBm	-42.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33433 MHz	20.34 dBm	-14.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03821 MHz	-59.99 dBm	-46.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.63751 MHz	-54.69 dBm	-41.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.72039 MHz	-65.35 dBm	-30.35 dB

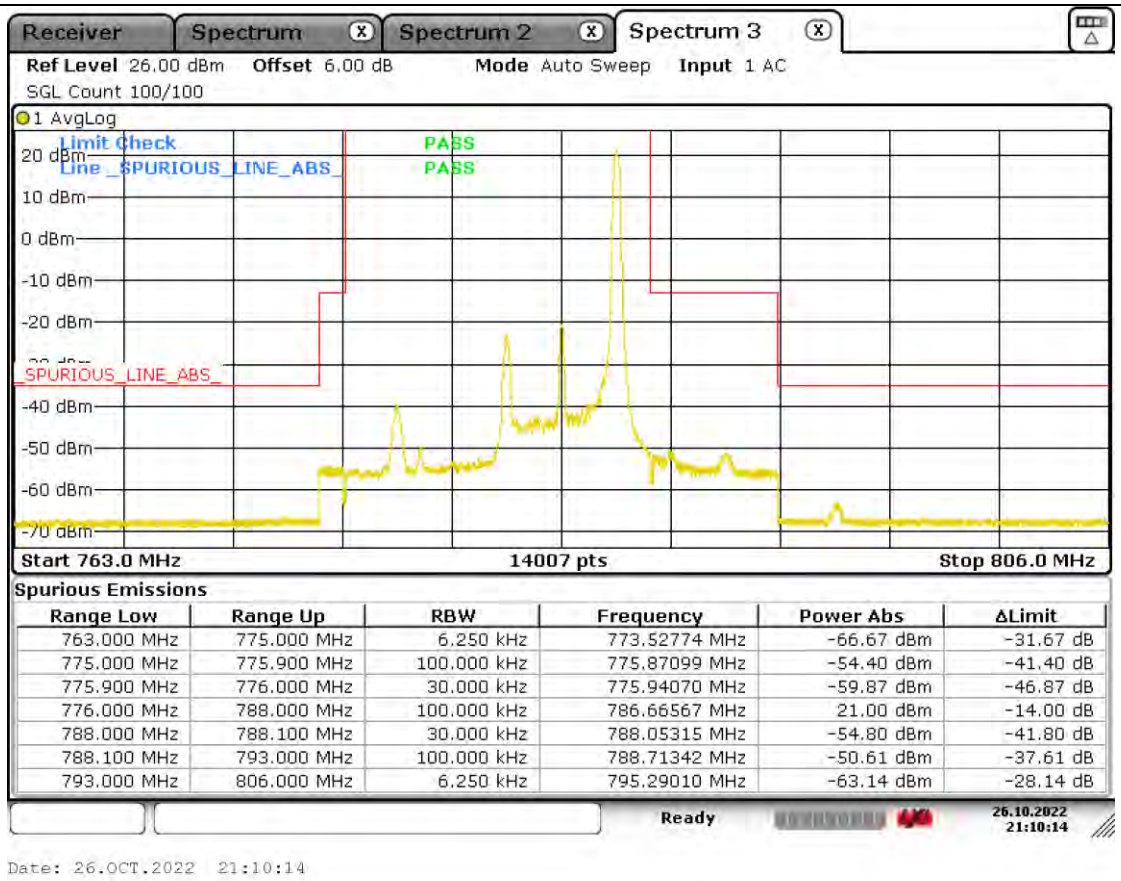
Band13-5MHz-16QAM-23205-25RB#0



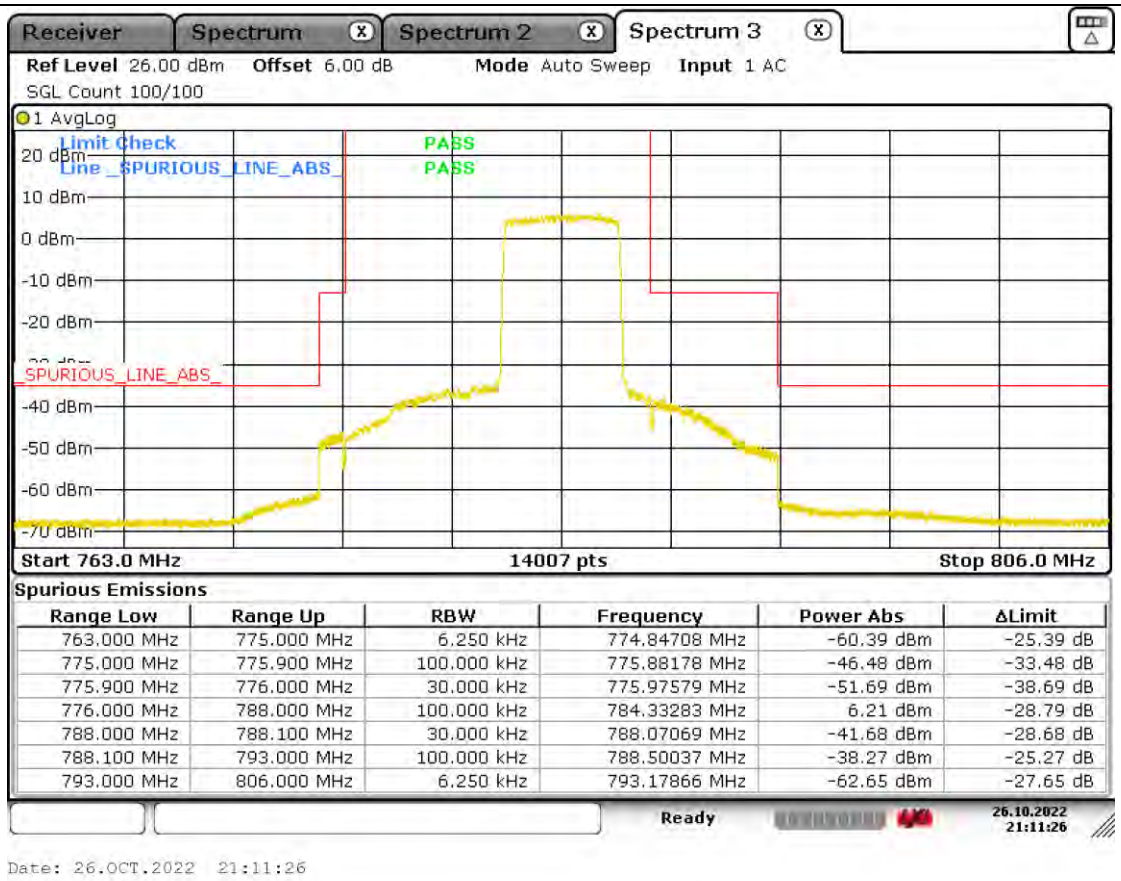
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.90105 MHz	-50.00 dBm	-15.00 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.77924 MHz	-36.71 dBm	-23.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92781 MHz	-42.13 dBm	-29.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.44678 MHz	6.30 dBm	-28.70 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04660 MHz	-50.40 dBm	-37.40 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13796 MHz	-46.17 dBm	-33.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.72039 MHz	-64.41 dBm	-29.41 dB

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



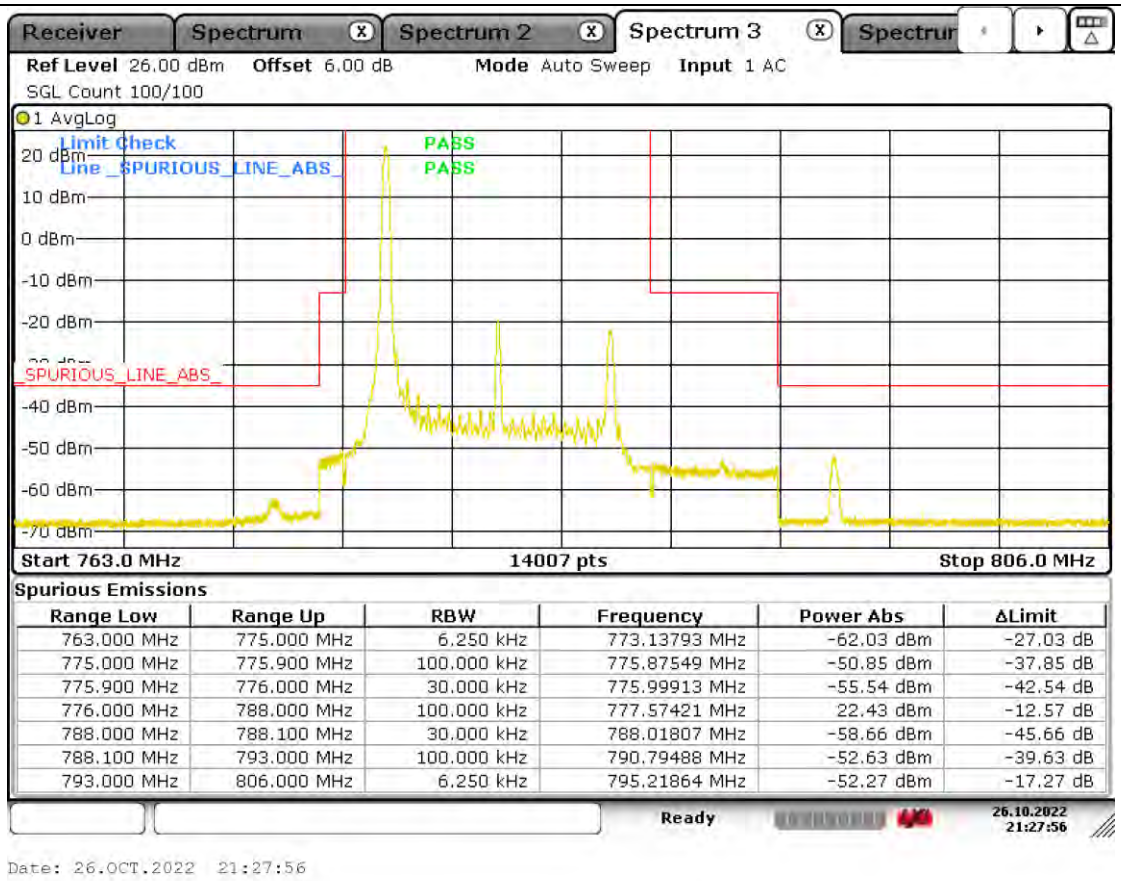
Band13-5MHz-16QAM-23255-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.84708 MHz	-60.39 dBm	-25.39 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88178 MHz	-46.48 dBm	-33.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97579 MHz	-51.69 dBm	-38.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.33283 MHz	6.21 dBm	-28.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07069 MHz	-41.68 dBm	-28.68 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.50037 MHz	-38.27 dBm	-25.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.17866 MHz	-62.65 dBm	-27.65 dB

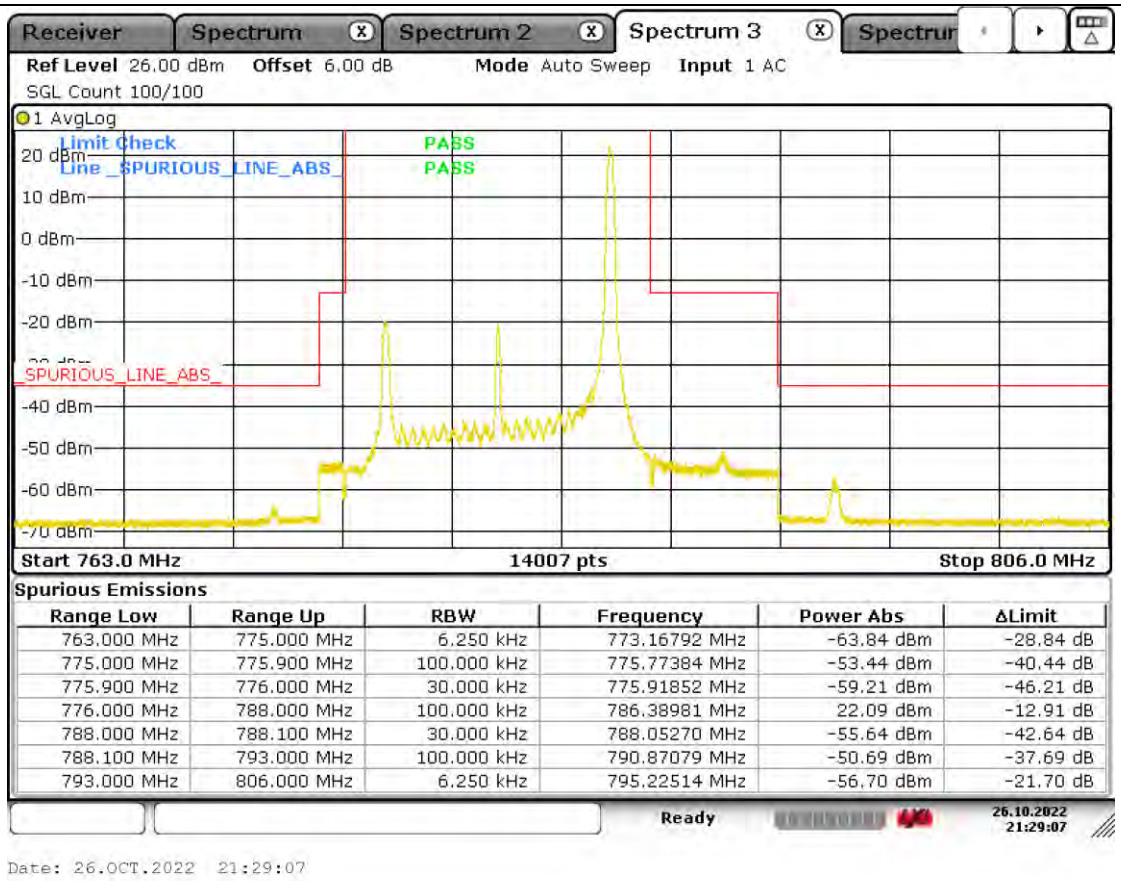
Band13-10MHz-QPSK-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.13793 MHz	-62.03 dBm	-27.03 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87549 MHz	-50.85 dBm	-37.85 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99913 MHz	-55.54 dBm	-42.54 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57421 MHz	22.43 dBm	-12.57 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01807 MHz	-58.66 dBm	-45.66 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.79488 MHz	-52.63 dBm	-39.63 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.21864 MHz	-52.27 dBm	-17.27 dB

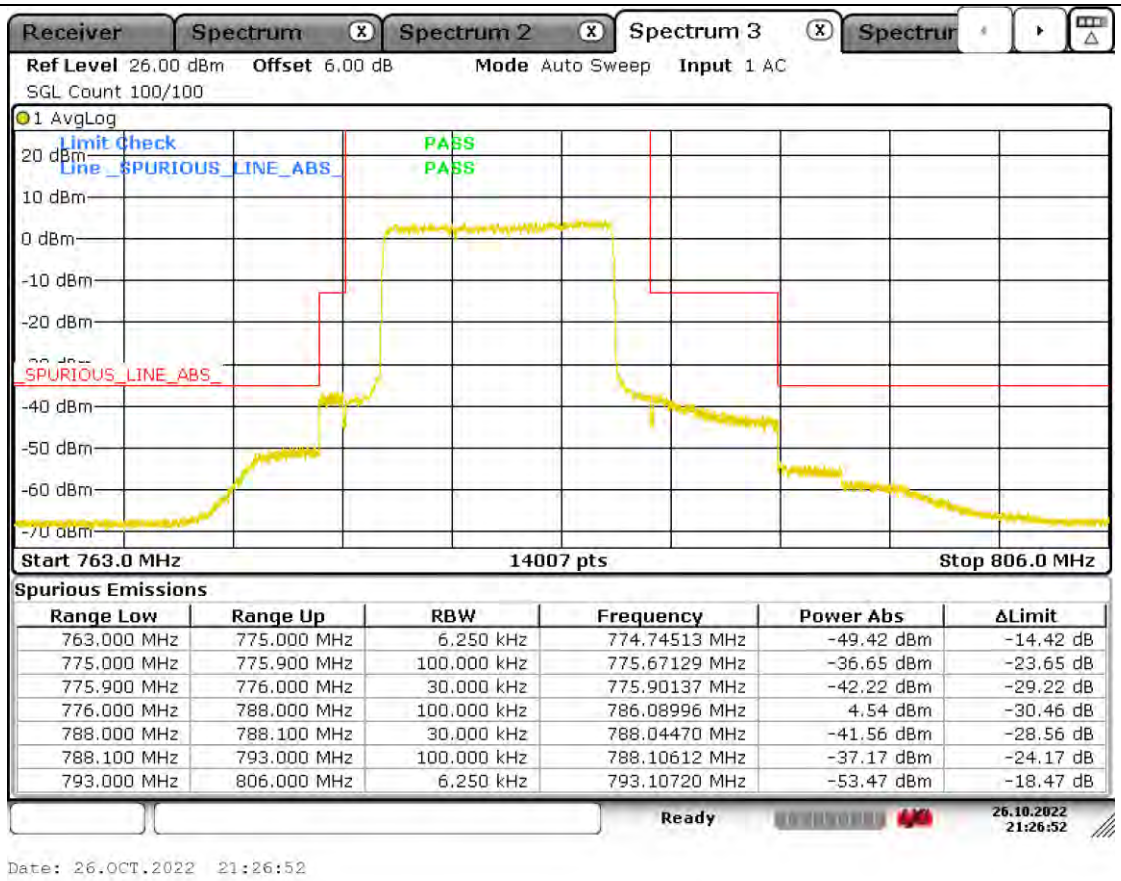
Band13-10MHz-QPSK-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.16792 MHz	-63.84 dBm	-28.84 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.77384 MHz	-53.44 dBm	-40.44 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91852 MHz	-59.21 dBm	-46.21 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38981 MHz	22.09 dBm	-12.91 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05270 MHz	-55.64 dBm	-42.64 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.87079 MHz	-50.69 dBm	-37.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22514 MHz	-56.70 dBm	-21.70 dB

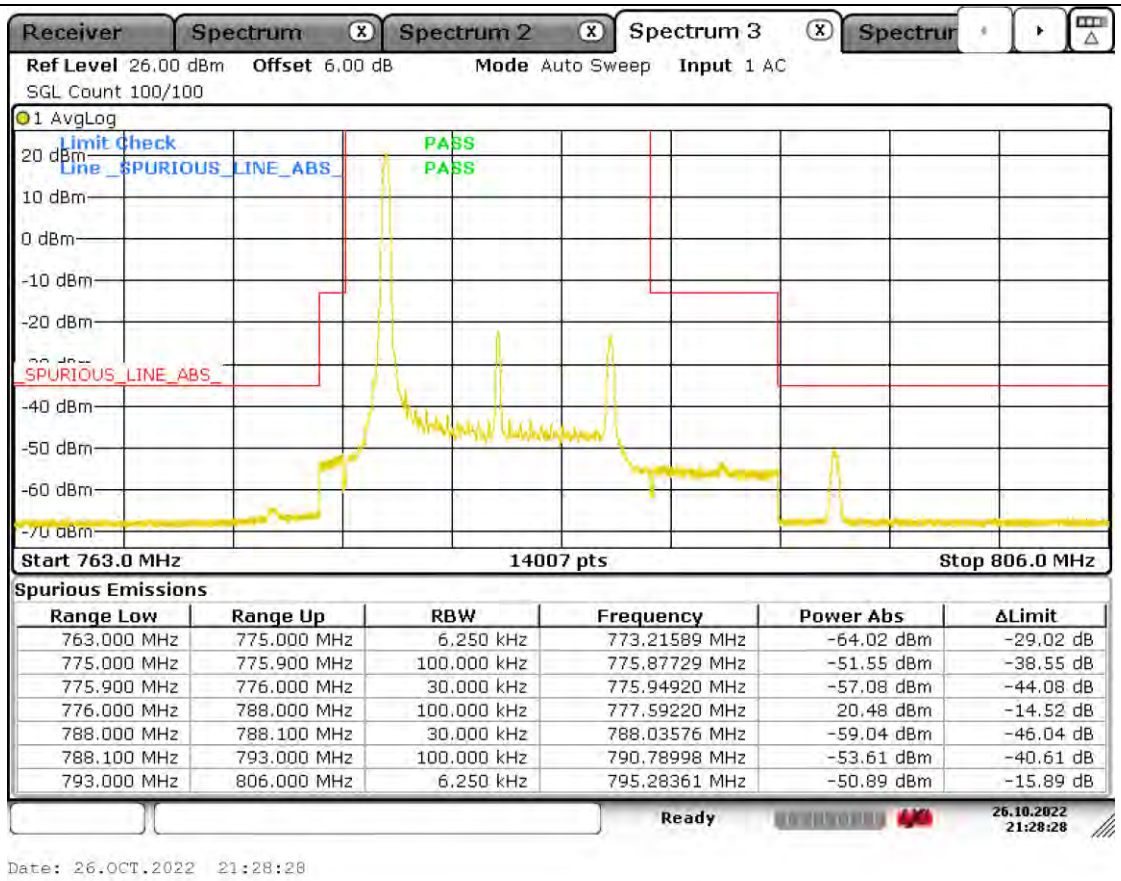
Band13-10MHz-QPSK-23230-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.74513 MHz	-49.42 dBm	-14.42 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.67129 MHz	-36.65 dBm	-23.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90137 MHz	-42.22 dBm	-29.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.08996 MHz	4.54 dBm	-30.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04470 MHz	-41.56 dBm	-28.56 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10612 MHz	-37.17 dBm	-24.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.10720 MHz	-53.47 dBm	-18.47 dB

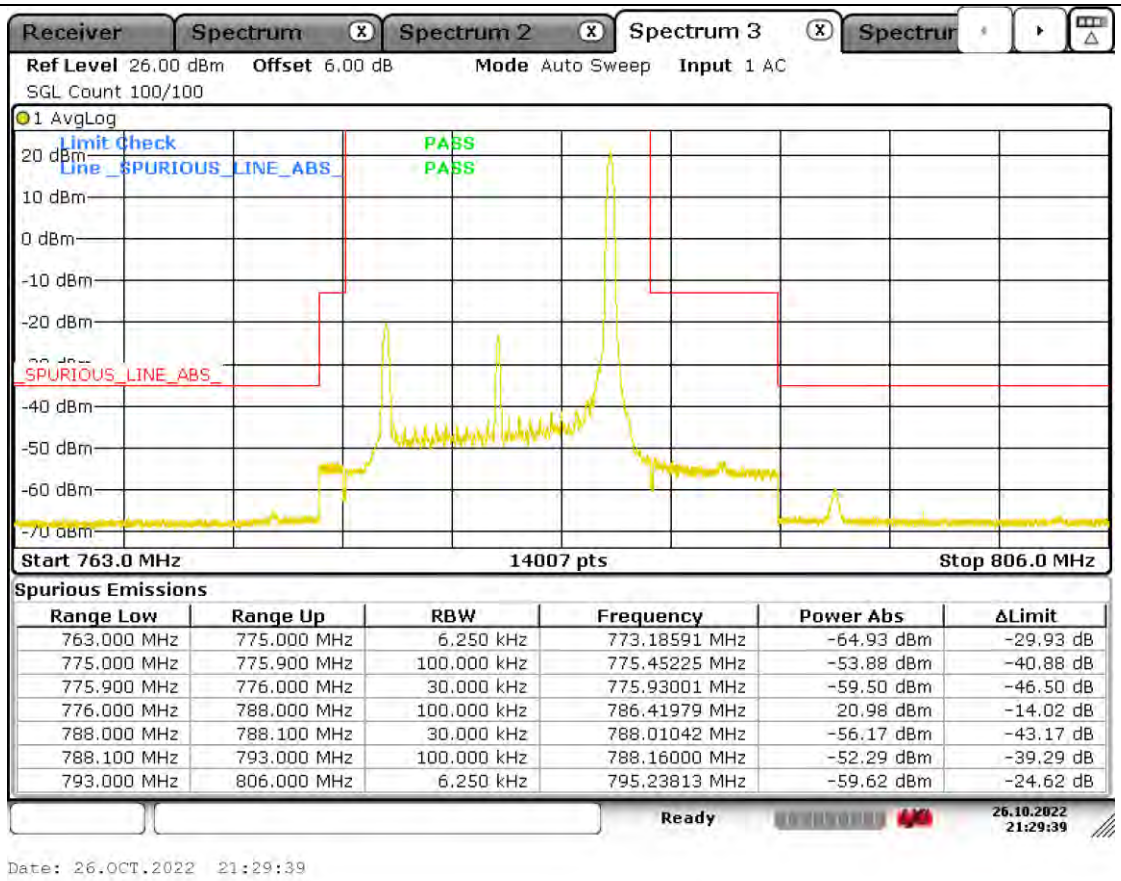
Band13-10MHz-16QAM-23230-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.21589 MHz	-64.02 dBm	-29.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87729 MHz	-51.55 dBm	-38.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94920 MHz	-57.08 dBm	-44.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.59220 MHz	20.48 dBm	-14.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03576 MHz	-59.04 dBm	-46.04 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.78998 MHz	-53.61 dBm	-40.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.28361 MHz	-50.89 dBm	-15.89 dB

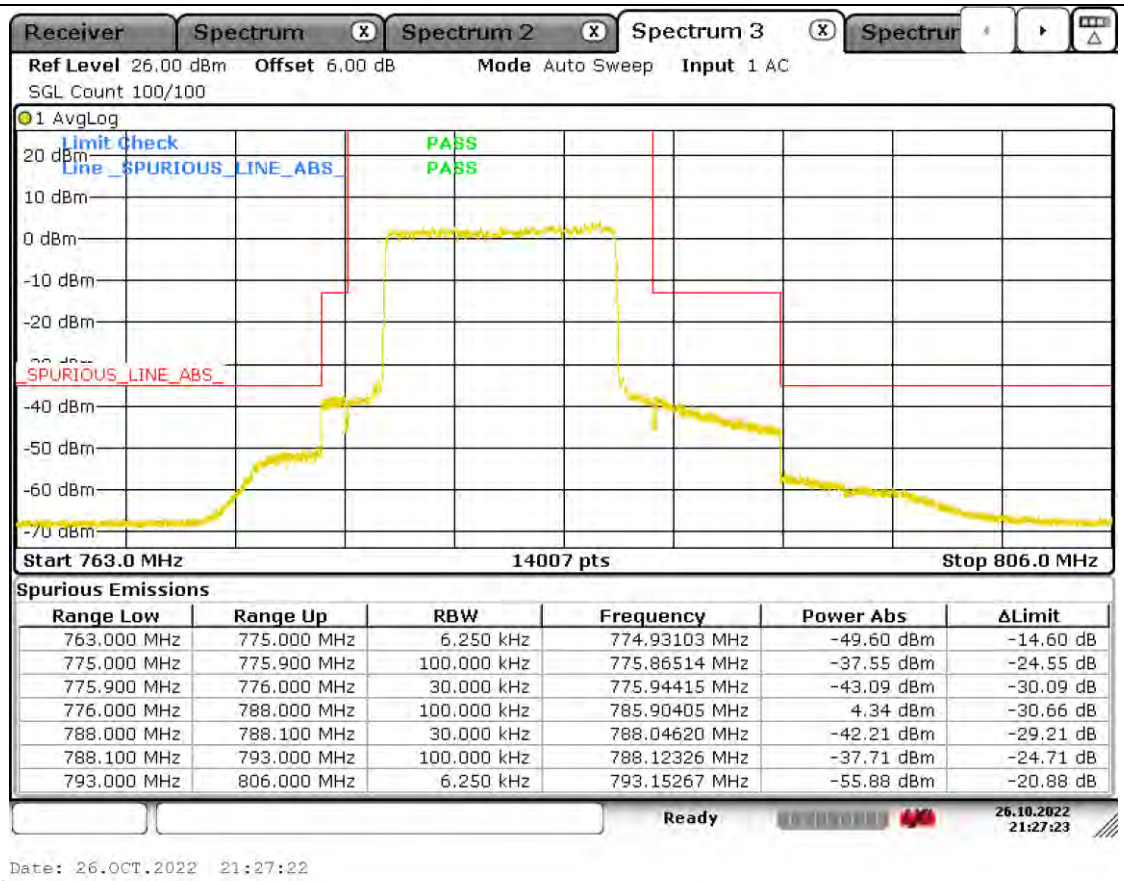
Band13-10MHz-16QAM-23230-1RB#49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18591 MHz	-64.93 dBm	-29.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.45225 MHz	-53.88 dBm	-40.88 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93001 MHz	-59.50 dBm	-46.50 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41979 MHz	20.98 dBm	-14.02 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01042 MHz	-56.17 dBm	-43.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16000 MHz	-52.29 dBm	-39.29 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.23813 MHz	-59.62 dBm	-24.62 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	774.93103 MHz	-49.60 dBm	-14.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86514 MHz	-37.55 dBm	-24.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94415 MHz	-43.09 dBm	-30.09 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.90405 MHz	4.34 dBm	-30.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04620 MHz	-42.21 dBm	-29.21 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12326 MHz	-37.71 dBm	-24.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.15267 MHz	-55.88 dBm	-20.88 dB

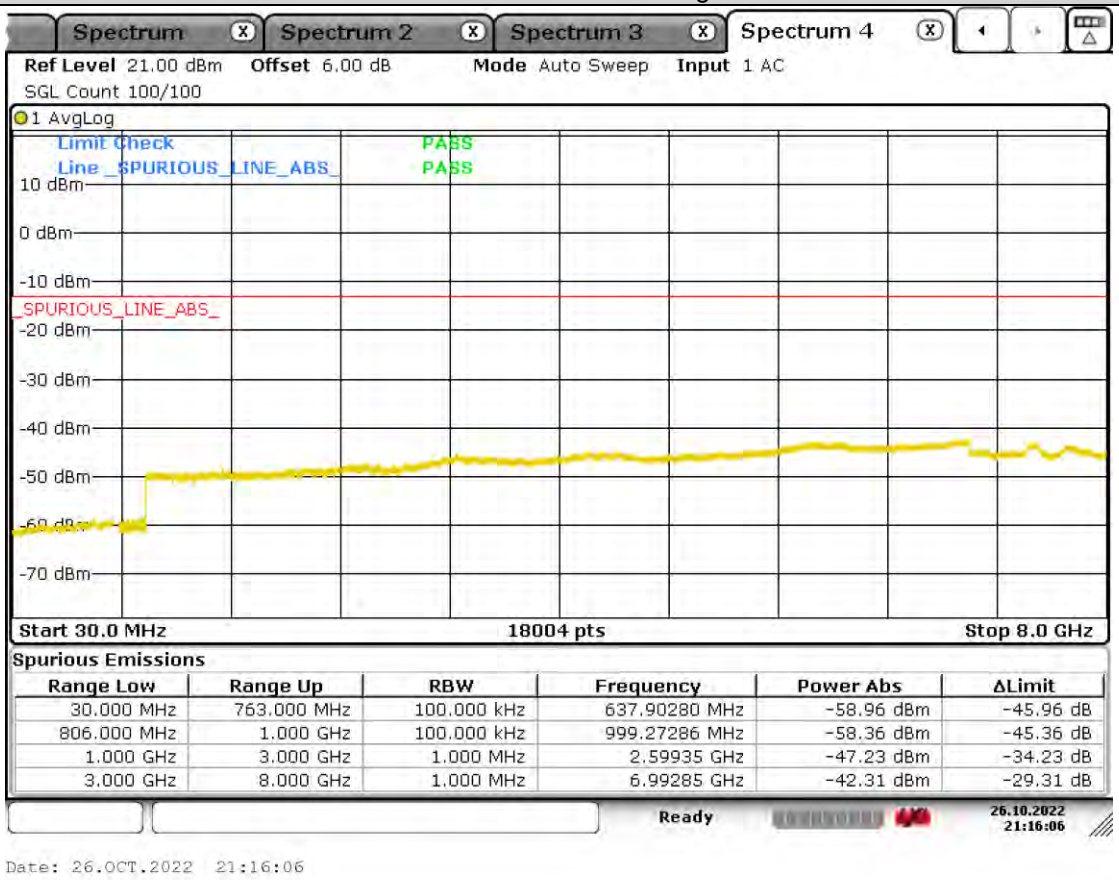
CONDUCTED SPURIOUS EMISSION

Test Result

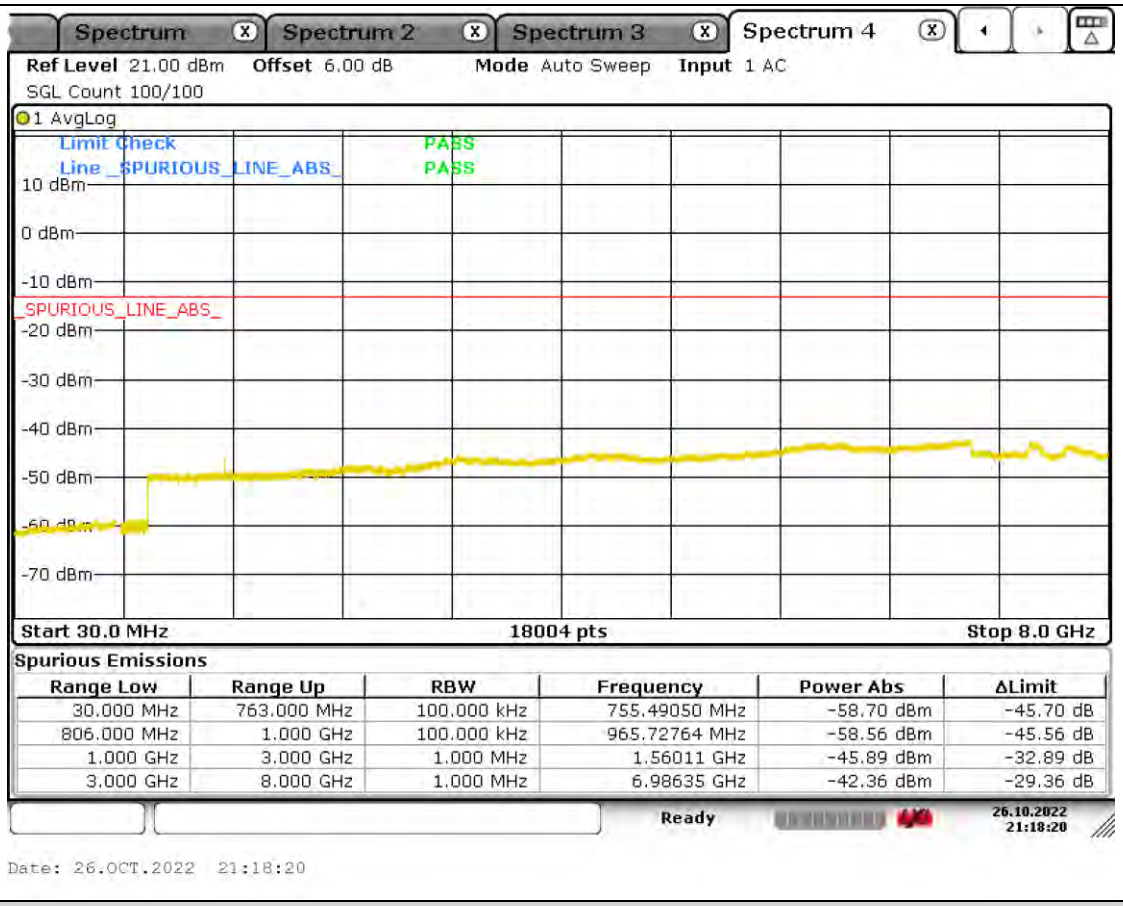
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-58.36	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:1000~8000MHz	-42.31	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-58.56	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:1000~8000MHz	-42.36	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-58.53	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:1000~8000MHz	-42.19	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-58.56	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:1000~8000MHz	-42.16	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-58.6	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:1000~8000MHz	-42.26	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:1000~8000MHz	-42.13	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-58.53	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:1000~8000MHz	-42.04	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-58.67	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:1000~8000MHz	-42.19	PASS

Test Graphs

Band13-5MHz-QPSK-23205-1RB#0-Range1:30~8000MHz



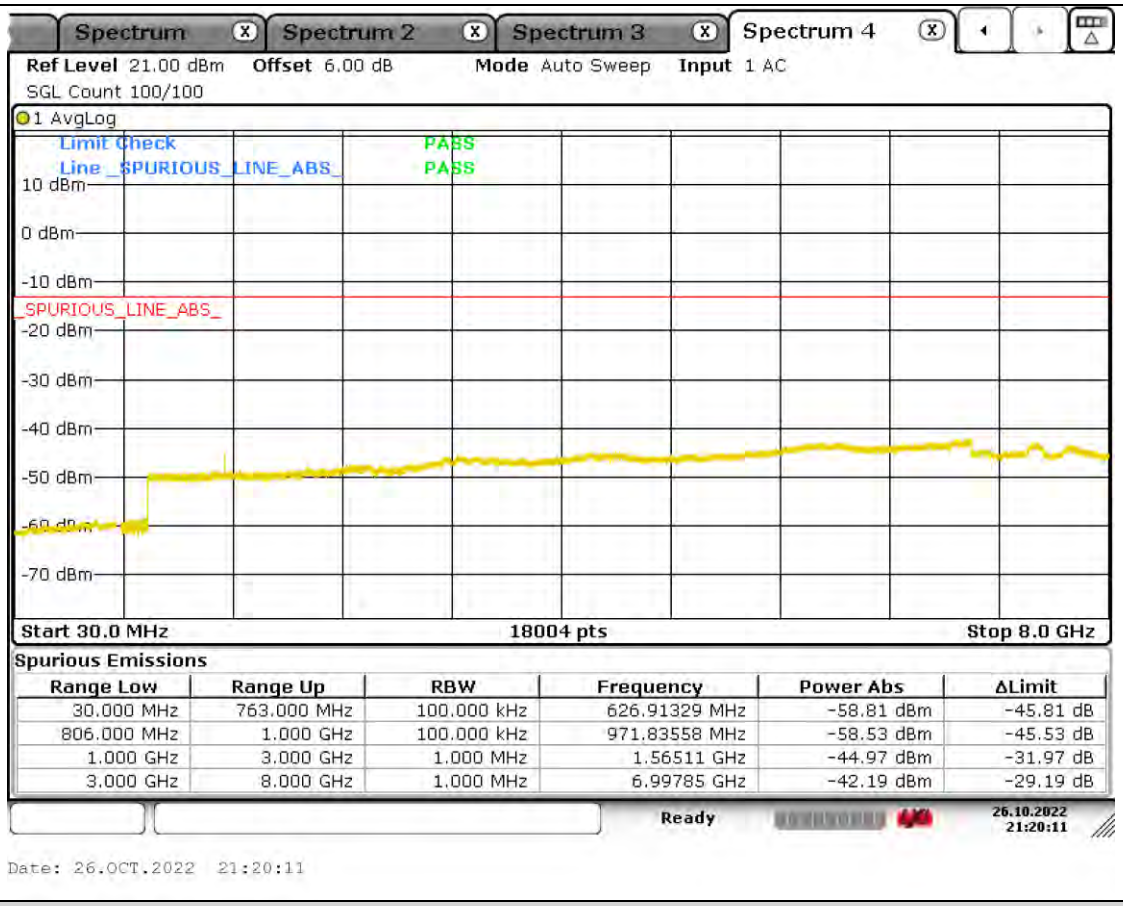
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	755.49050 MHz	-58.70 dBm	-45.70 dB
806.000 MHz	1.000 GHz	100.000 kHz	965.72764 MHz	-58.56 dBm	-45.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.89 dBm	-32.89 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98635 GHz	-42.36 dBm	-29.36 dB

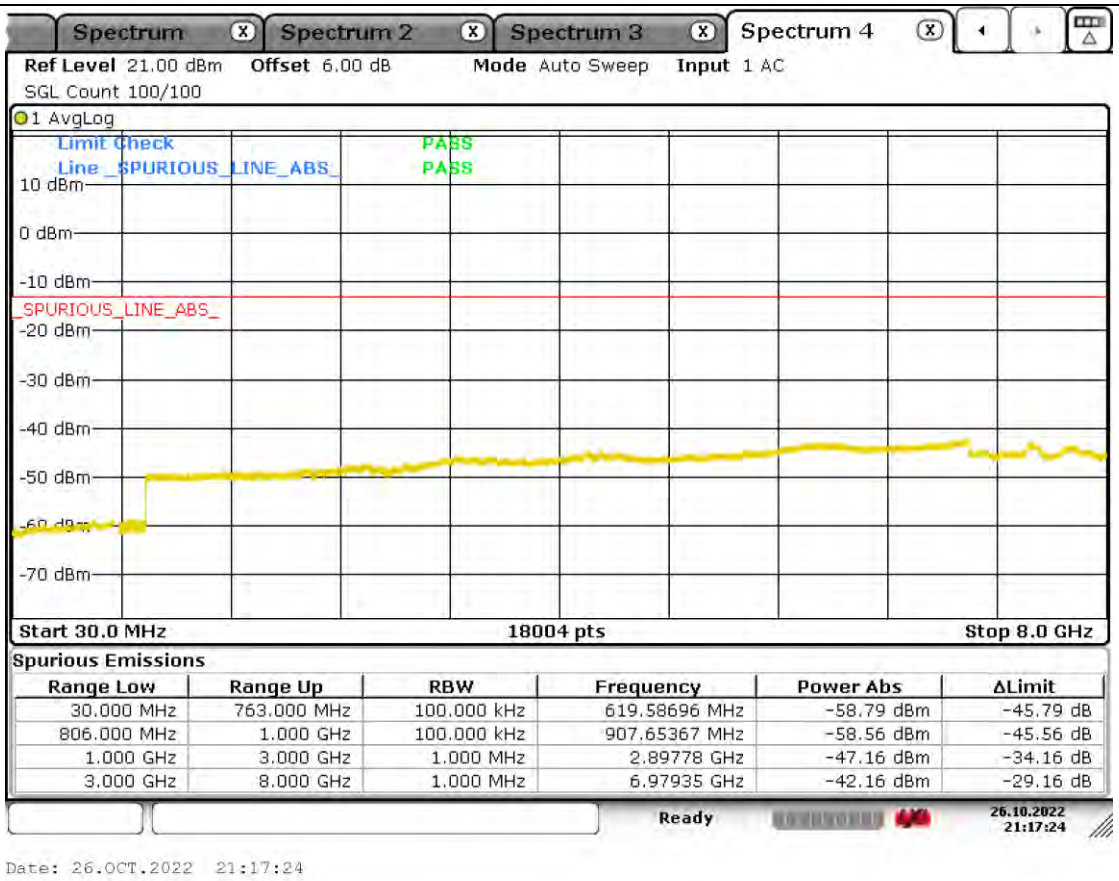
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~8000MHz



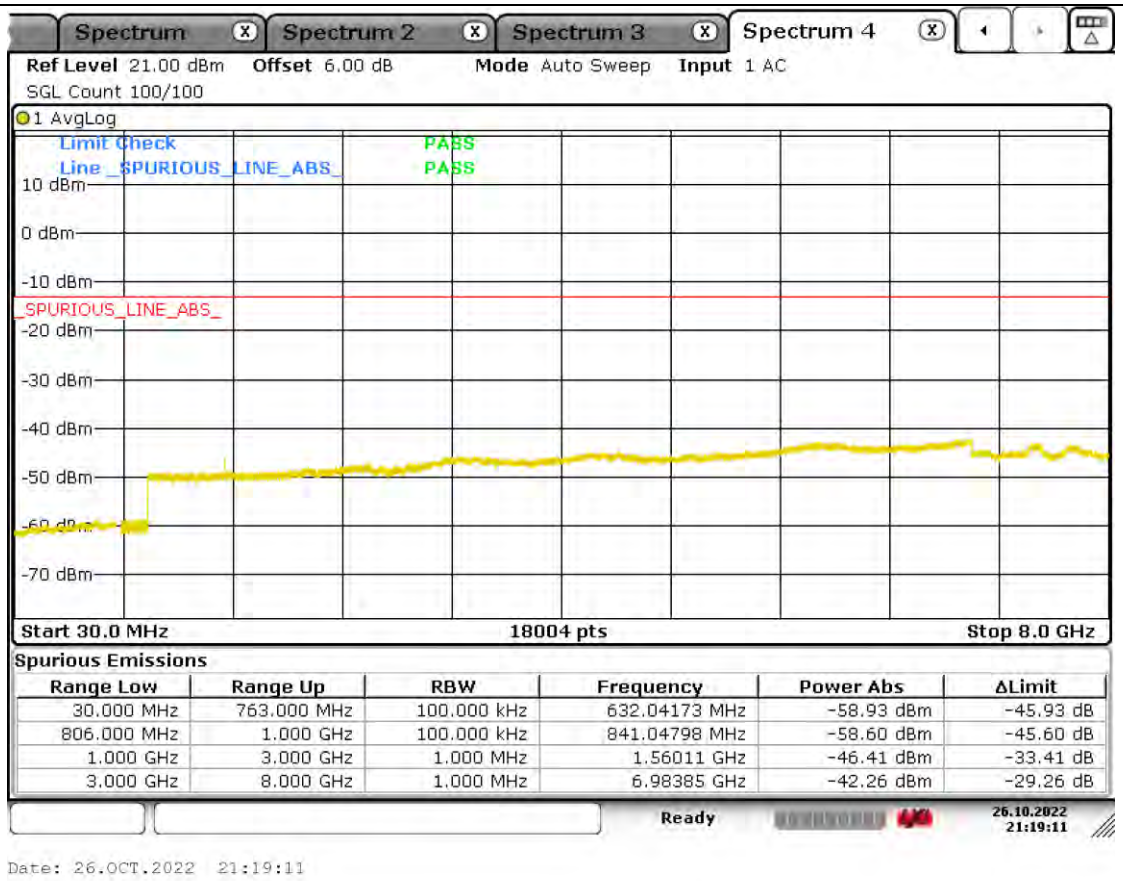
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	626.91329 MHz	-58.81 dBm	-45.81 dB
806.000 MHz	1.000 GHz	100.000 kHz	971.83558 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-44.97 dBm	-31.97 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99785 GHz	-42.19 dBm	-29.19 dB

Band13-5MHz-16QAM-23205-1RB#0-Range1:30~8000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range1:30~8000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	632.04173 MHz	-58.93 dBm	-45.93 dB
806.000 MHz	1.000 GHz	100.000 kHz	841.04798 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98385 GHz	-42.26 dBm	-29.26 dB

Band13-5MHz-16QAM-23255-1RB#0-Range1:30~8000MHz