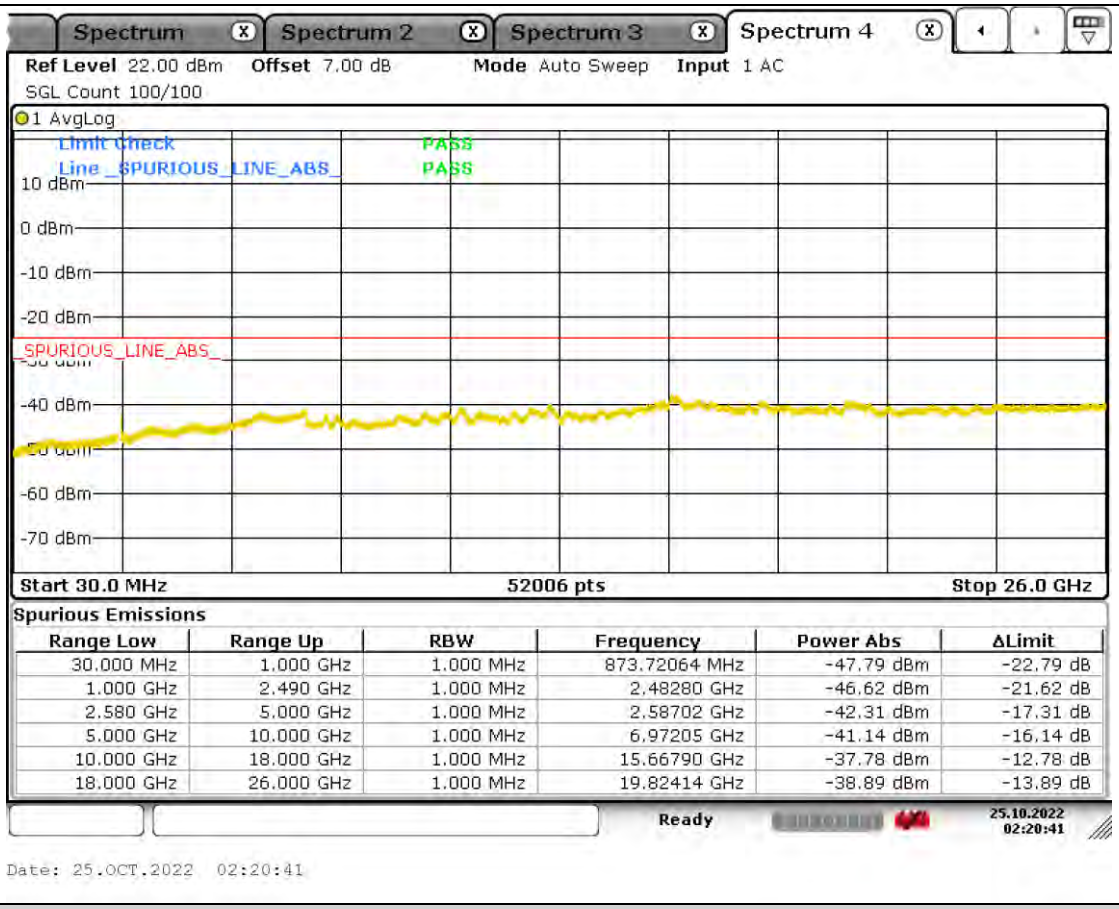
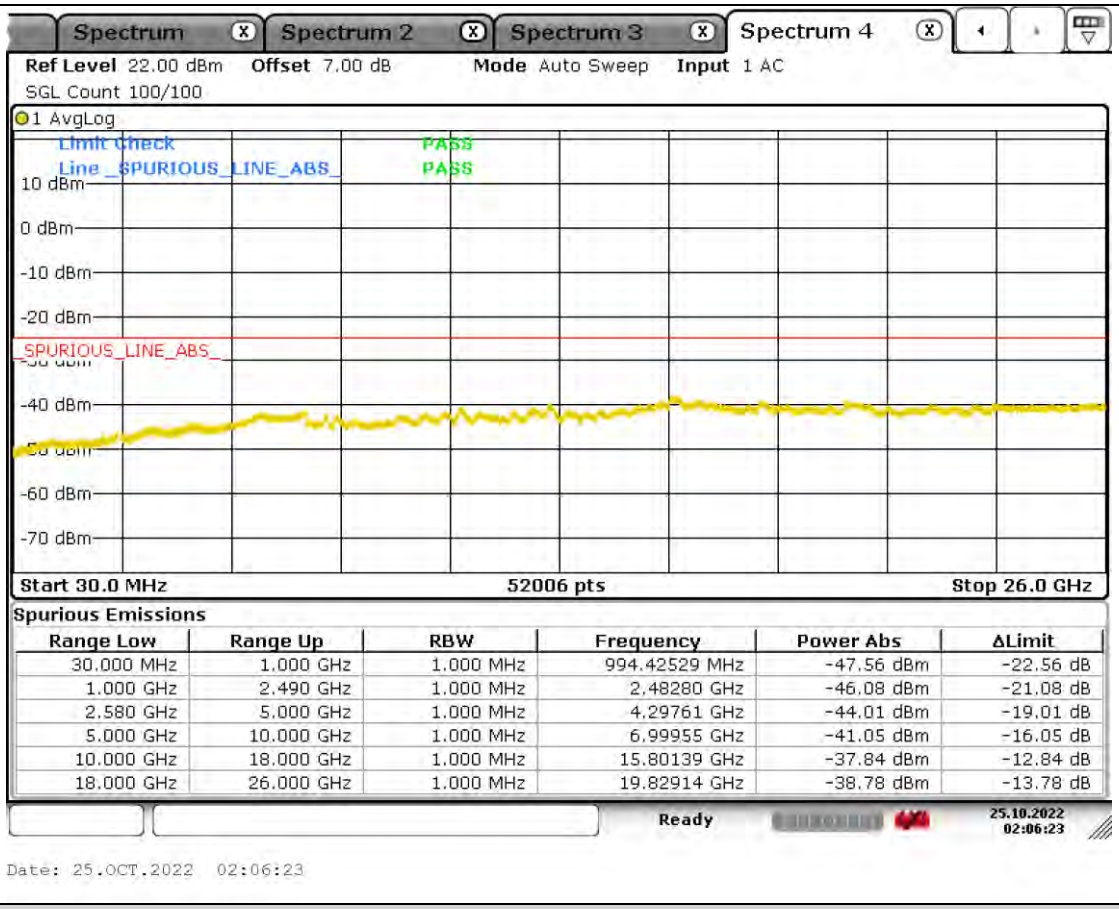


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-46.62 dBm	-21.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-42.31 dBm	-17.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97205 GHz	-41.14 dBm	-16.14 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.66790 GHz	-37.78 dBm	-12.78 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82414 GHz	-38.89 dBm	-13.89 dB

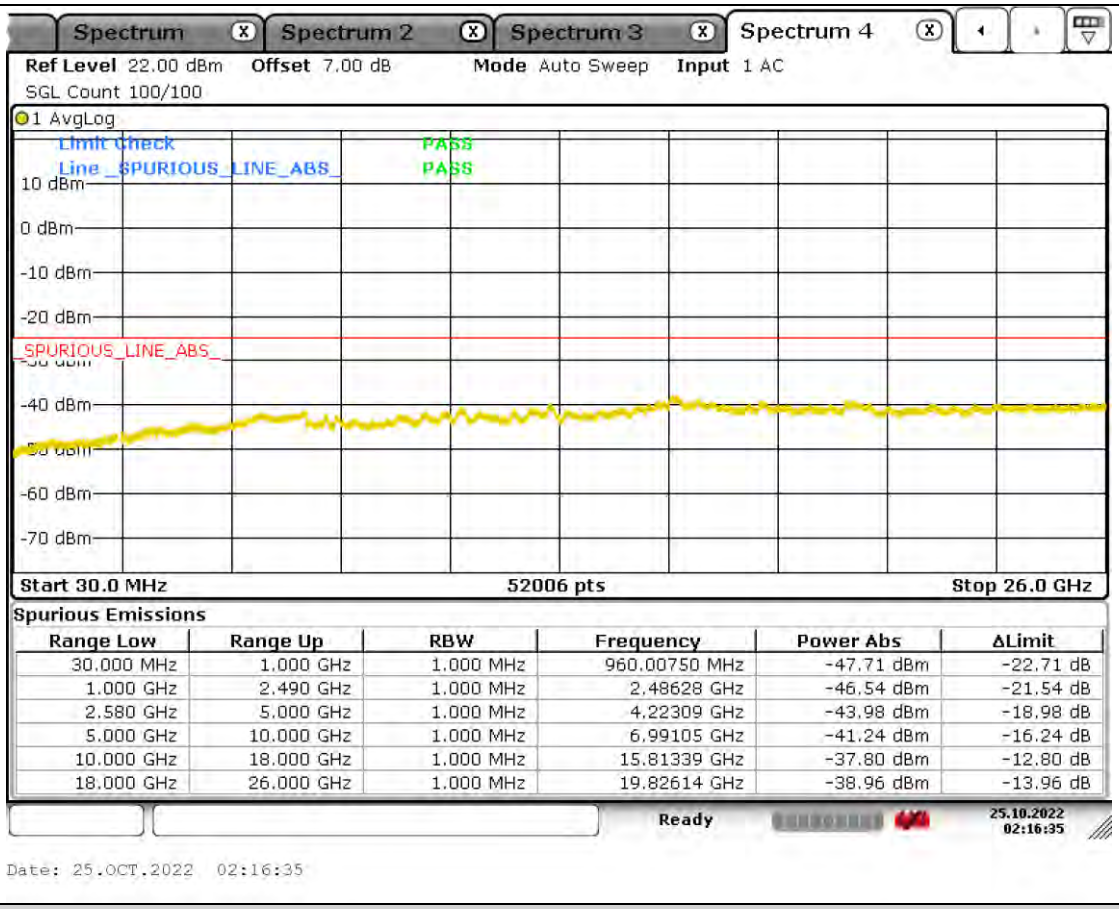
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~26000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.56 dBm	-22.56 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-46.08 dBm	-21.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29761 GHz	-44.01 dBm	-19.01 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99955 GHz	-41.05 dBm	-16.05 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.80139 GHz	-37.84 dBm	-12.84 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82914 GHz	-38.78 dBm	-13.78 dB

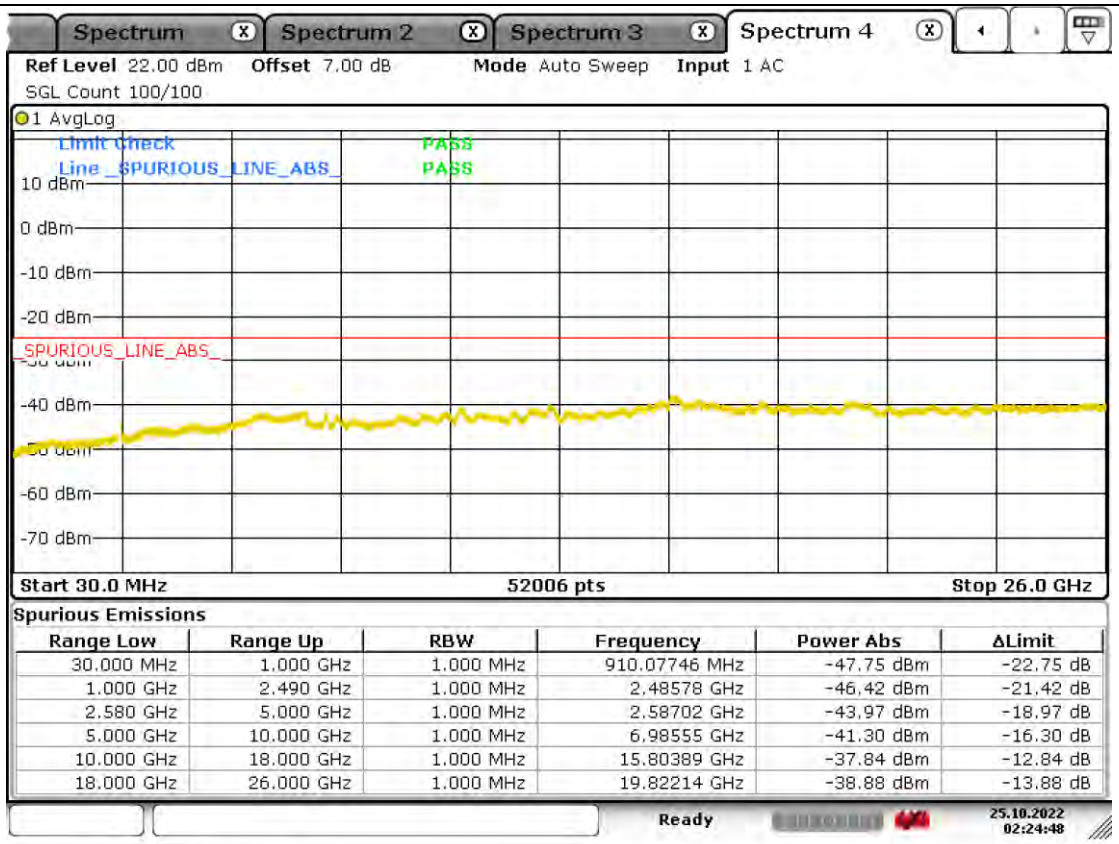
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~26000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-46.54 dBm	-21.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.22309 GHz	-43.98 dBm	-18.98 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.24 dBm	-16.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81339 GHz	-37.80 dBm	-12.80 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82614 GHz	-38.96 dBm	-13.96 dB

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~26000MHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-47.75 dBm	-22.75 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-46.42 dBm	-21.42 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-43.97 dBm	-18.97 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98555 GHz	-41.30 dBm	-16.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.80389 GHz	-37.84 dBm	-12.84 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82214 GHz	-38.88 dBm	-13.88 dB

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-14.1	-0.005618	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	10.1	0.004024	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	15.1	0.006016	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	6.7	0.002643	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	16.8	0.006627	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	12.7	0.005010	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-19.8	-0.007734	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-11.1	-0.004336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-17.8	-0.006953	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.7	-0.003068	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	3.8	0.001514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	17.6	0.007012	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-14.6	-0.005759	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	8.5	0.003353	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	0.5	0.000197	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-0.4	-0.000156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	17	0.006641	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	9.3	0.003633	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	2510	100RB#0	NV	-30	22	0.008765	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	-20	25.6	0.010199	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	0	21.9	0.008725	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	10	20.7	0.008247	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	20	0.5	0.000199	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	30	-10.3	-0.004104	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	40	23.6	0.009402	±2.5	PASS
Band7	20MHz	QPSK	2510	100RB#0	NV	50	-26.3	-0.010478	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	-30	-15	-0.005917	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	-20	6.1	0.002406	±2.5	PASS

Band7	20MHz	QPSK	2535	100RB#0	NV	0	7.2	0.002840	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	10	5.9	0.002327	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	20	26	0.010256	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	30	9.4	0.003708	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	40	16.4	0.006469	±2.5	PASS
Band7	20MHz	QPSK	2535	100RB#0	NV	50	10.4	0.004103	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	-30	17.1	0.006680	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	-20	17.1	0.006680	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	0	-27.5	-0.010742	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	10	-14.3	-0.005586	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	20	22	0.008594	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	30	10.3	0.004023	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	40	1.8	0.000703	±2.5	PASS
Band7	20MHz	QPSK	2560	100RB#0	NV	50	-10.1	-0.003945	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	-30	-0.8	-0.000319	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	-20	-5.8	-0.002311	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	0	28.1	0.011195	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	10	-4.4	-0.001753	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	20	22.3	0.008884	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	30	25.5	0.010159	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	40	-24.9	-0.009920	±2.5	PASS
Band7	20MHz	16QAM	2510	100RB#0	NV	50	-17.7	-0.007052	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	-30	-15.8	-0.006233	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	-20	22.3	0.008797	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	0	4.1	0.001617	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	10	20	0.007890	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	20	28.8	0.011361	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	30	22.3	0.008797	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	40	4.3	0.001696	±2.5	PASS
Band7	20MHz	16QAM	2535	100RB#0	NV	50	6.4	0.002525	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	-30	26.3	0.010273	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	-20	12.7	0.004961	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	0	20.3	0.007930	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	10	33.4	0.013047	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	20	-28.2	-0.011016	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	30	29.5	0.011523	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	40	29.4	0.011484	±2.5	PASS
Band7	20MHz	16QAM	2560	100RB#0	NV	50	-22.8	-0.008906	±2.5	PASS

LTE BAND12

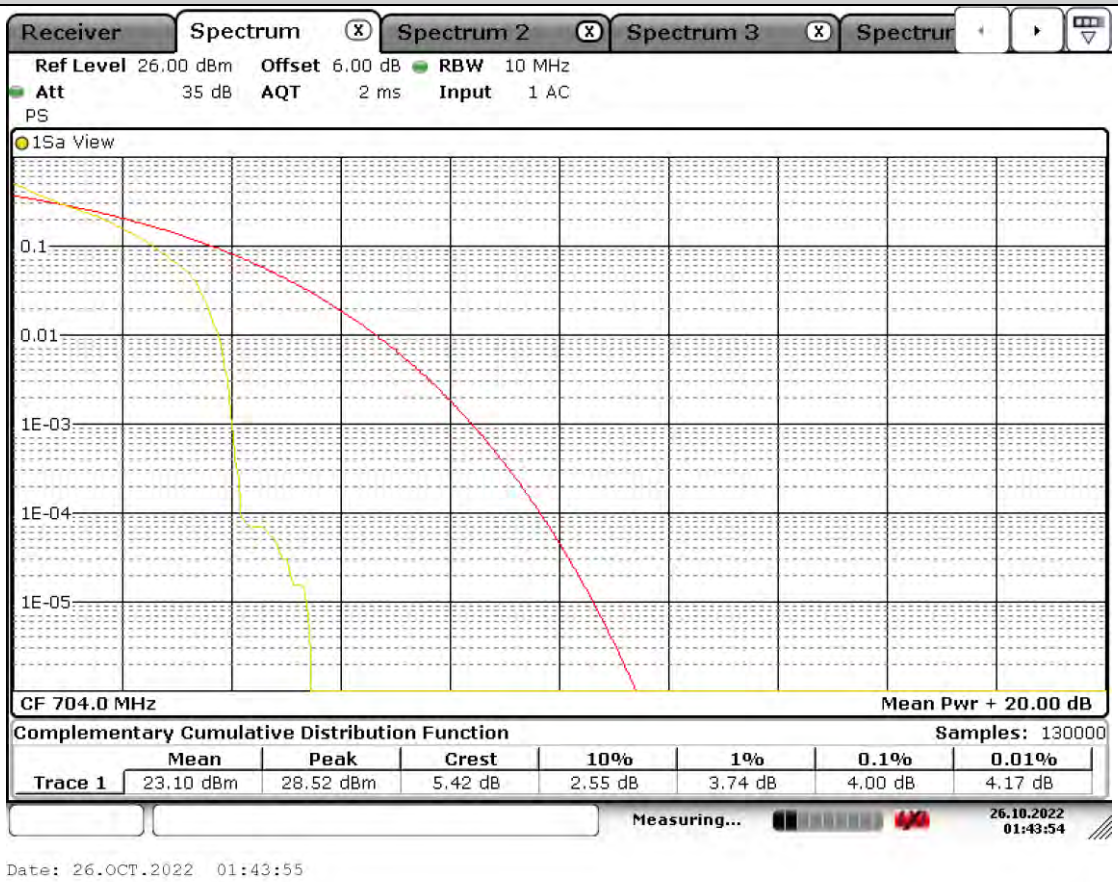
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

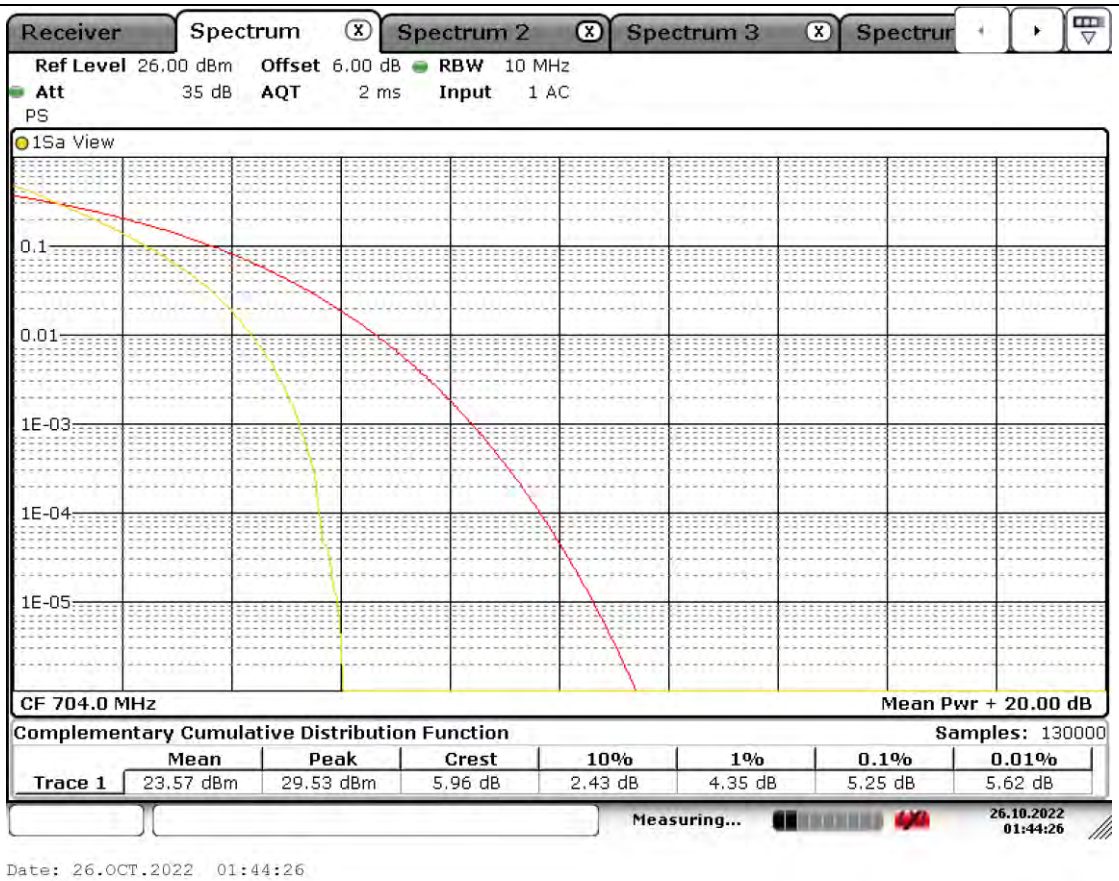
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	4	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.61	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.39	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.55	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.25	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.7	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.06	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.04	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.12	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.77	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6	13	PASS

Test Graphs

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



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

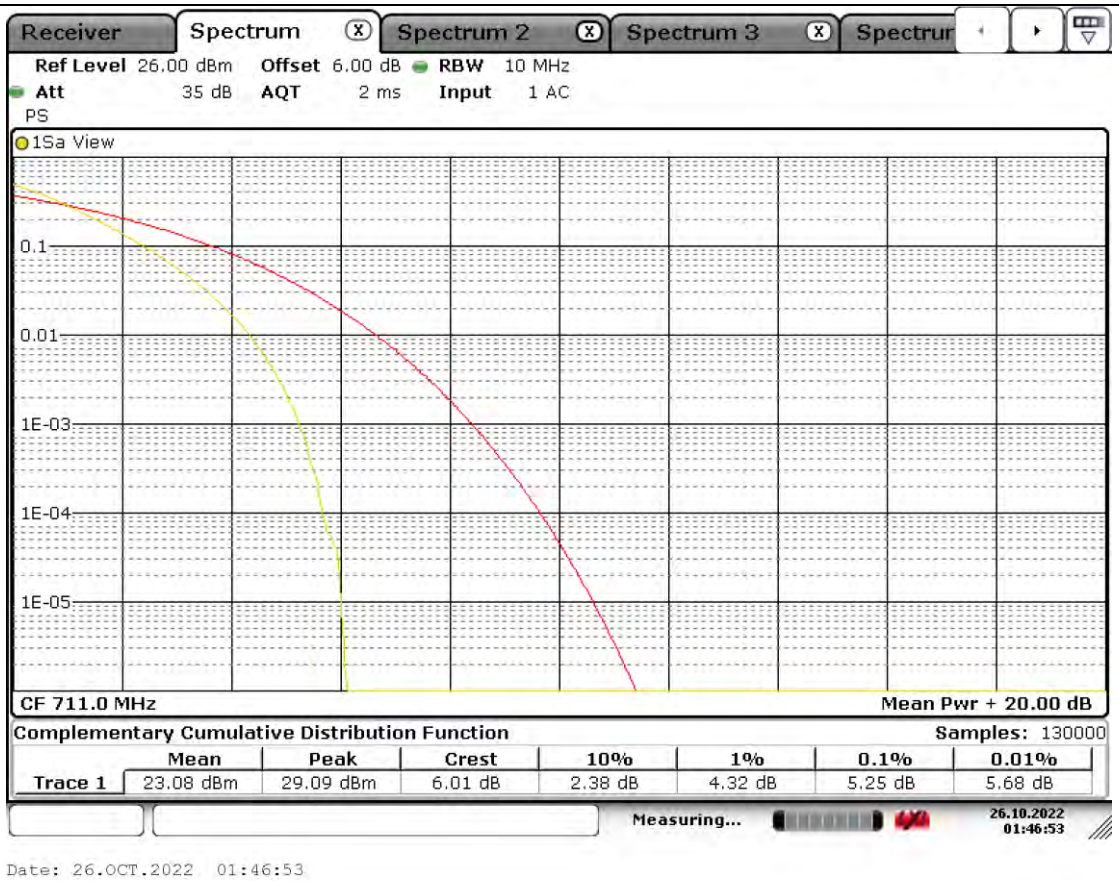


Band12-10MHz-QPSK-23095-1RB#0

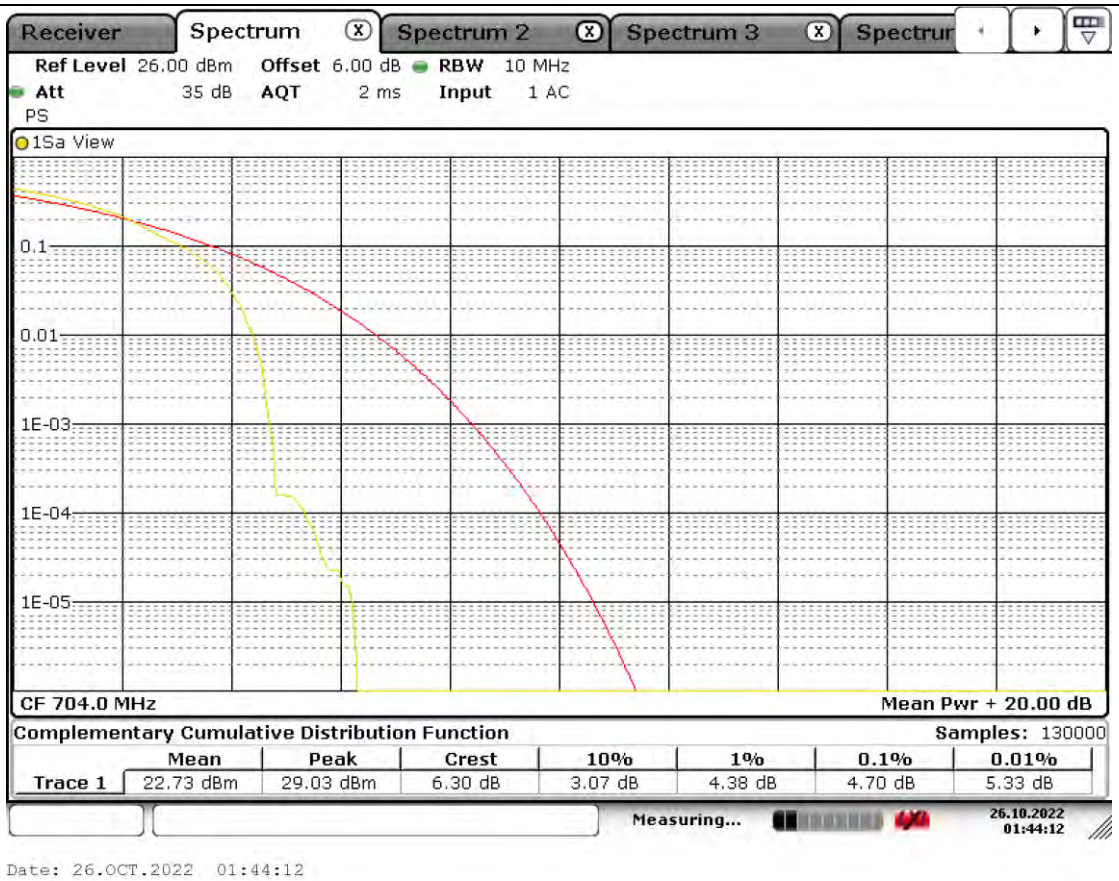
Band12-10MHz-QPSK-23095-50RB#0

Band12-10MHz-QPSK-23130-1RB#0

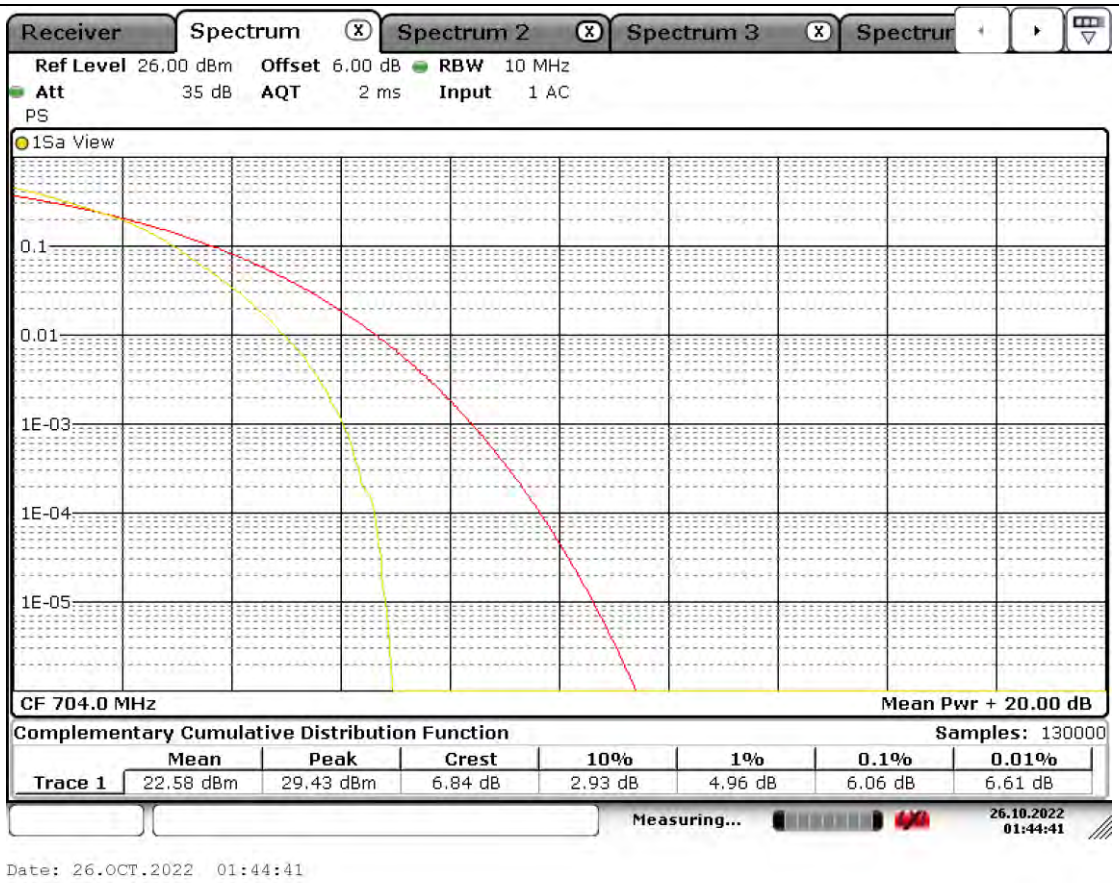
Band12-10MHz-QPSK-23130-50RB#0



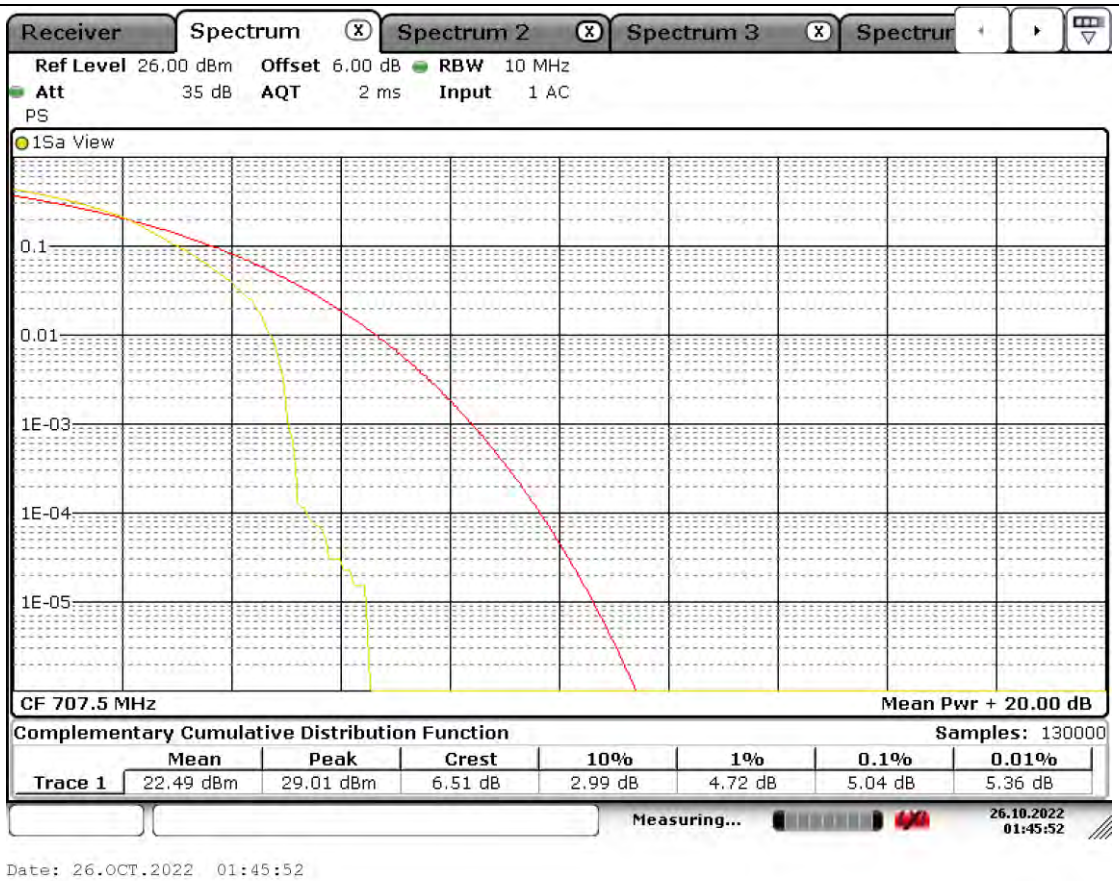
Band12-10MHz-16QAM-23060-1RB#0



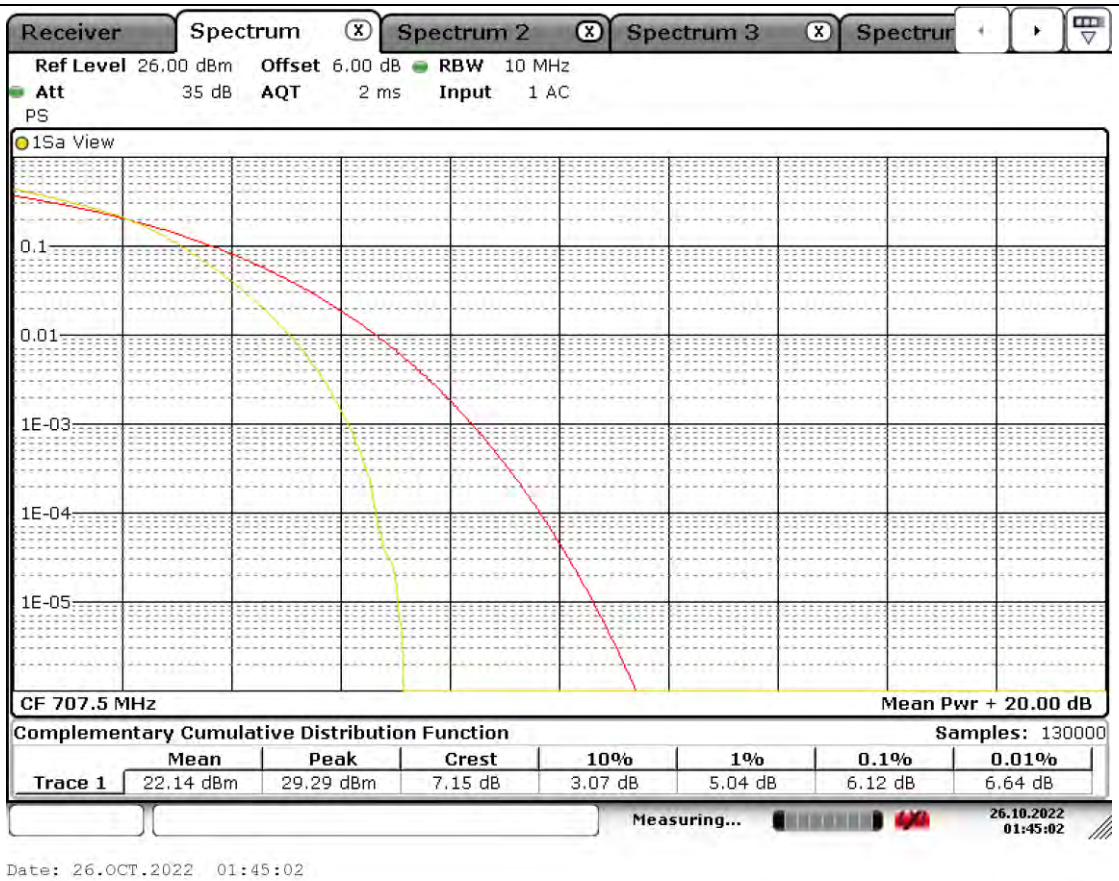
Band12-10MHz-16QAM-23060-50RB#0



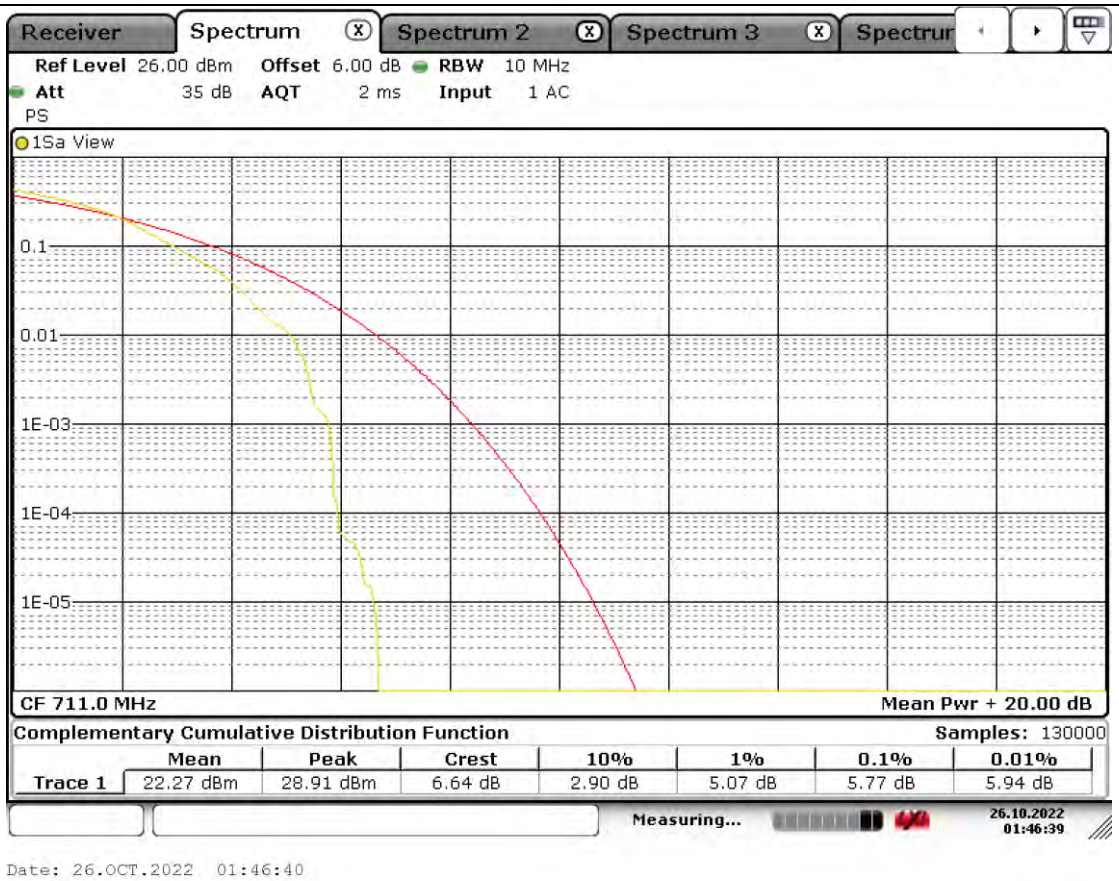
Band12-10MHz-16QAM-23095-1RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-50RB#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 711.0 MHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 130000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 22.38 dBm 29.41 dBm 7.04 dB 3.04 dB 4.99 dB 6.00 dB 6.52 dB
Measuring...
26.10.2022
01:47:08
Date: 26.OCT.2022 01:47:08

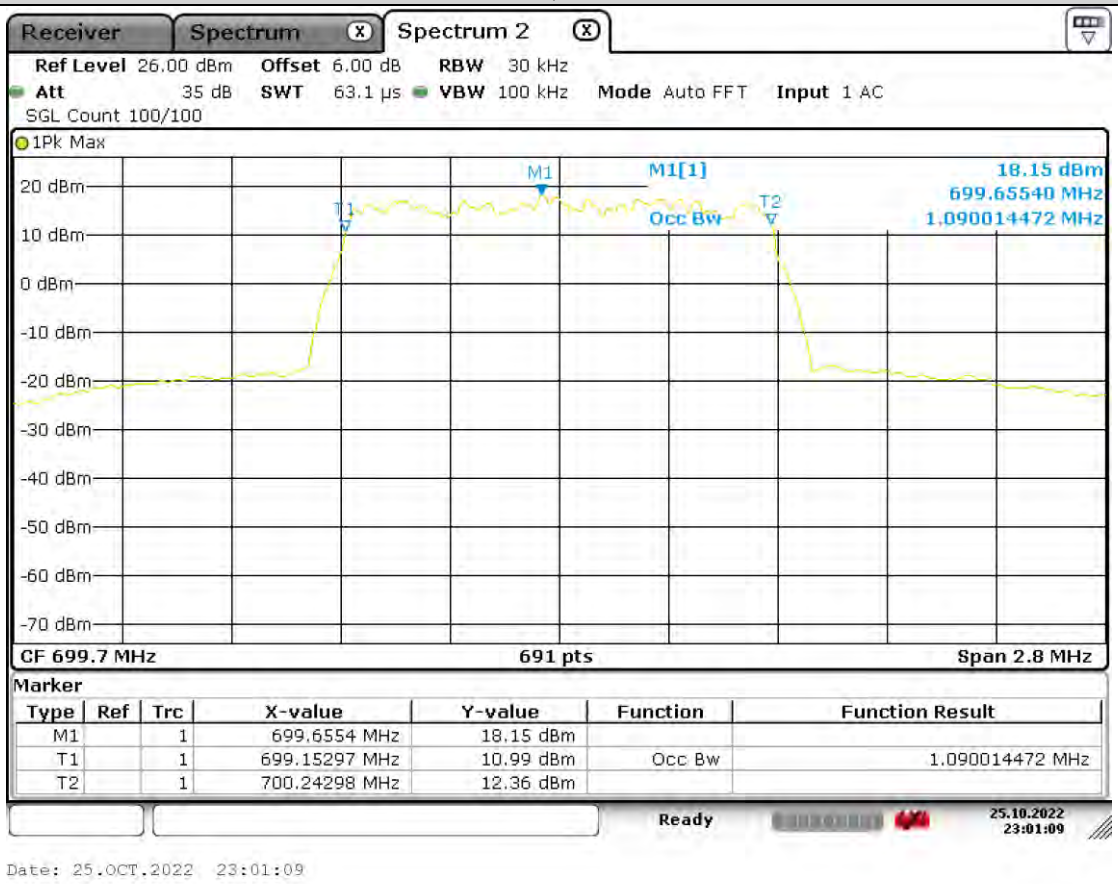
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

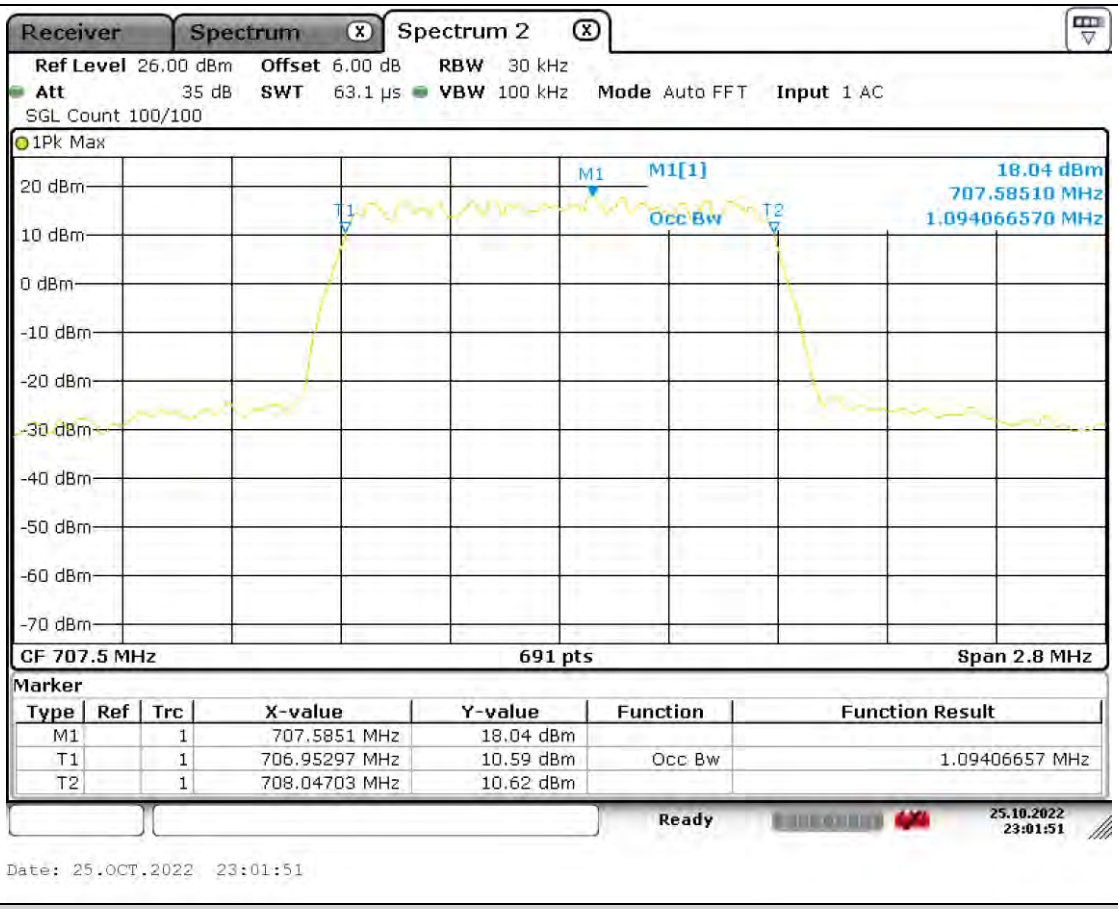
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.090	1.244	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.094	1.2359	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.098	1.2278	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.094	1.2643	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.086	1.2399	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.090	1.244	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.726	3.0564	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.770	3.0825	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.744	3.1259	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.709	3.0738	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.709	3.0825	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.744	3.0825	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.501	4.877	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.486	4.935	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.486	4.964	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.501	4.877	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	4.891	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	4.848	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.030	9.783	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.001	9.812	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.117	9.609	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.001	9.754	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.001	9.812	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.973	9.841	PASS

Test Graphs

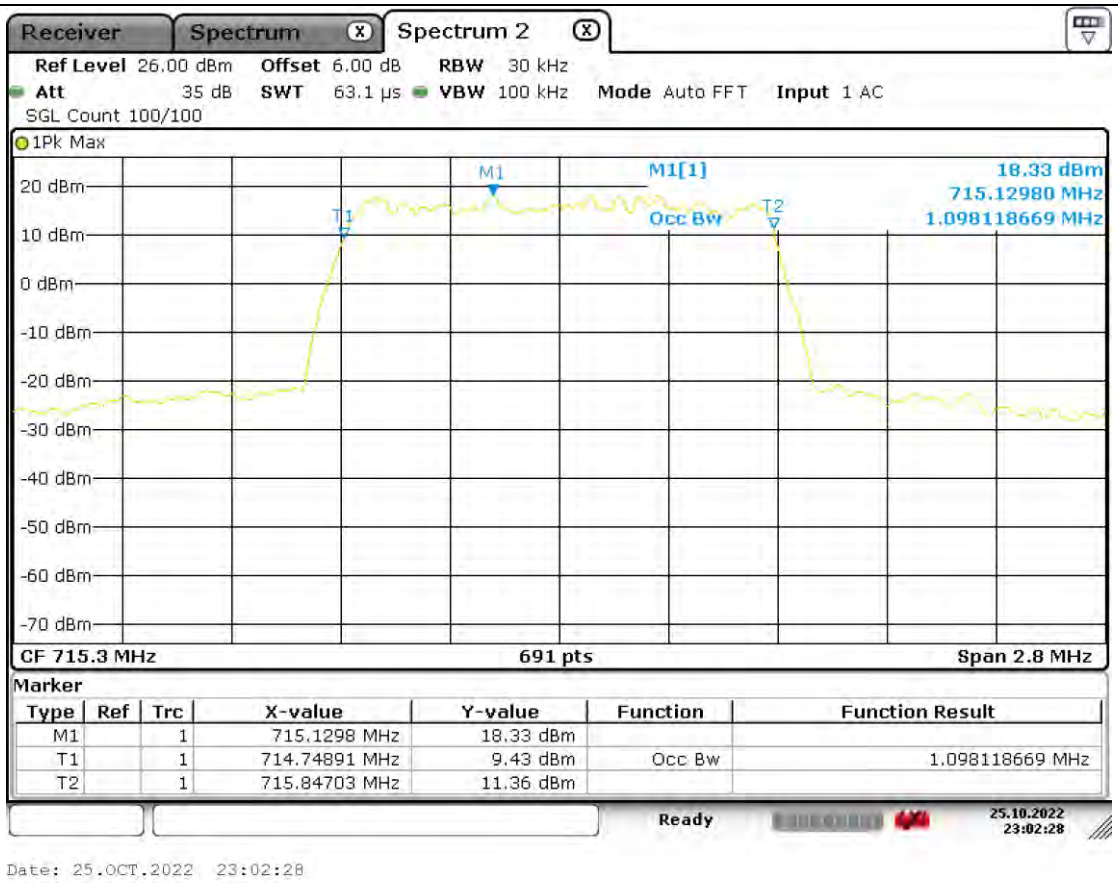
Band12-1.4MHz-QPSK-23017-6RB#0



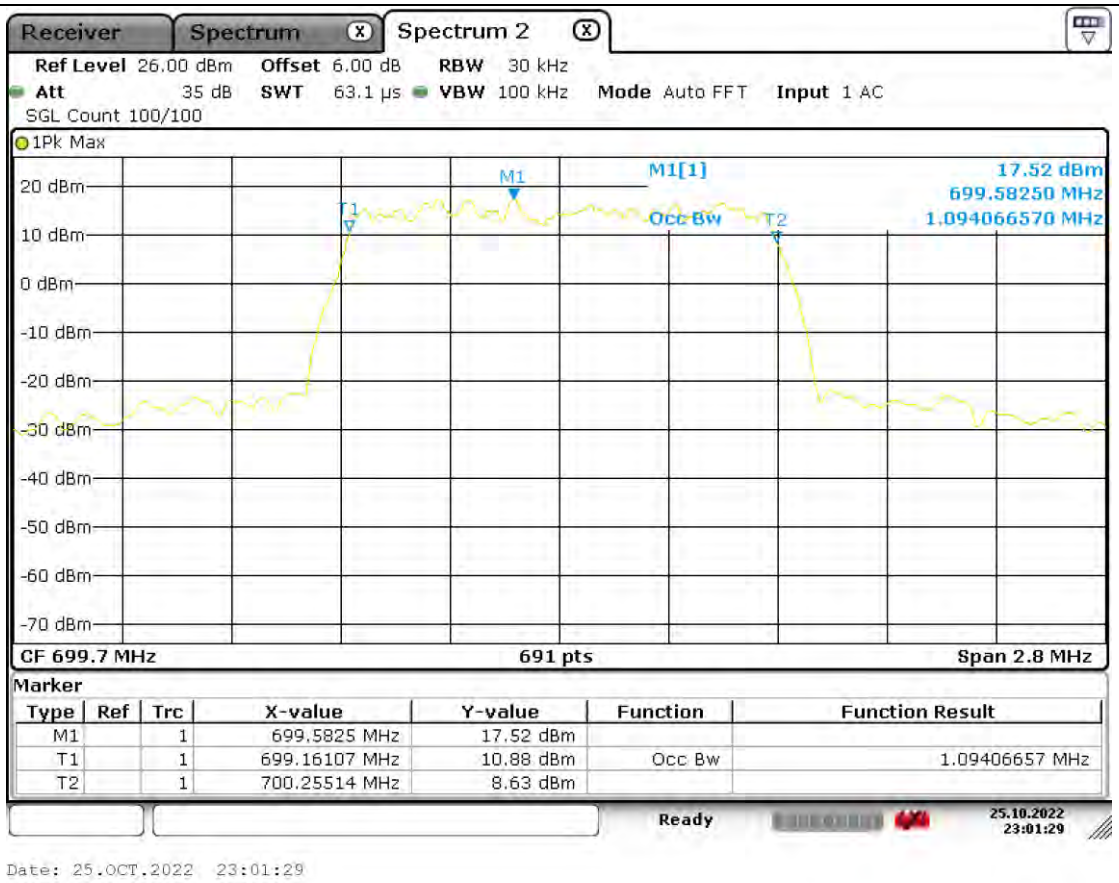
Band12-1.4MHz-QPSK-23095-6RB#0



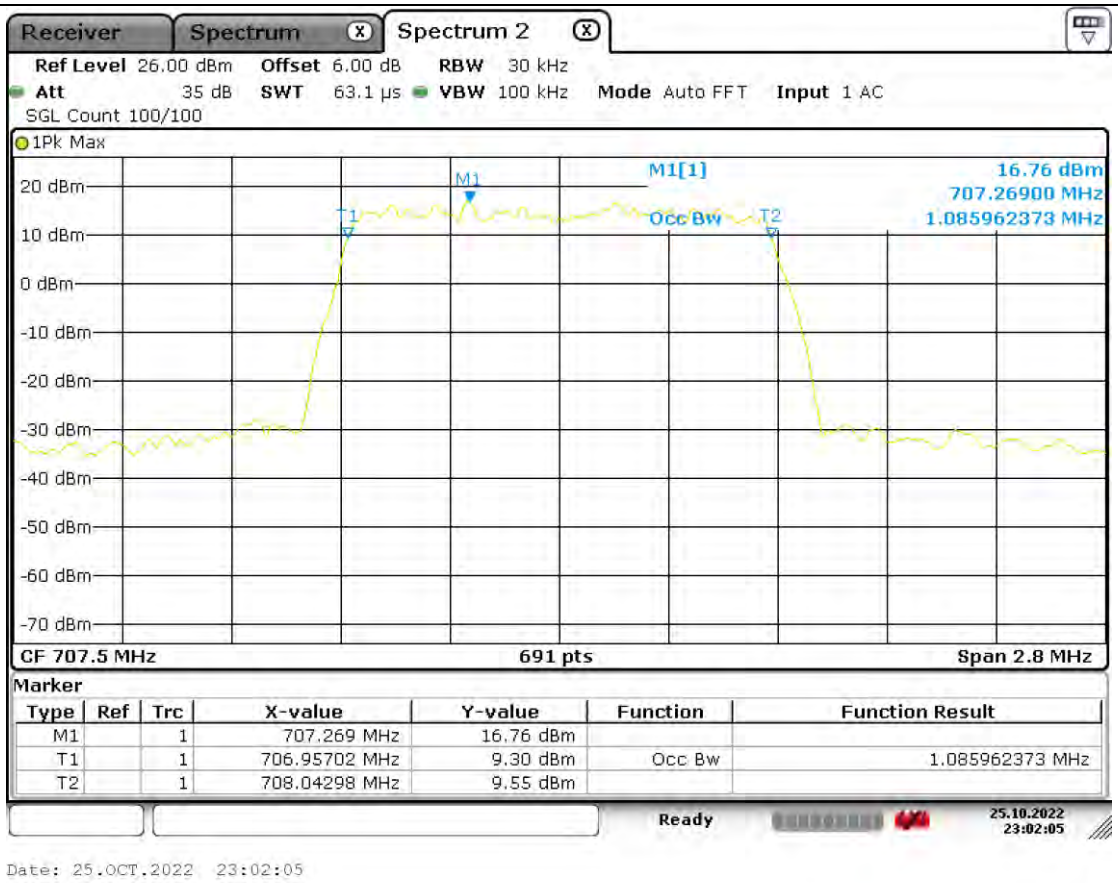
Band12-1.4MHz-QPSK-23173-6RB#0



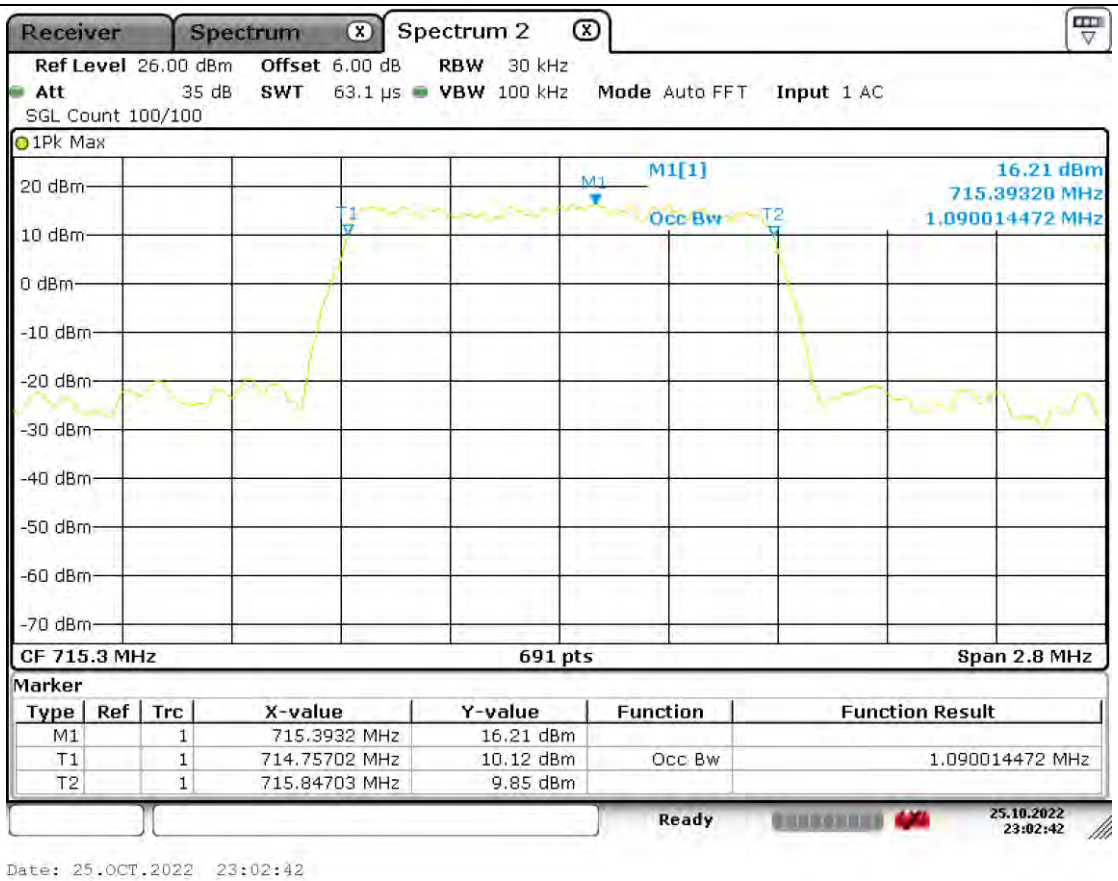
Band12-1.4MHz-16QAM-23017-6RB#0



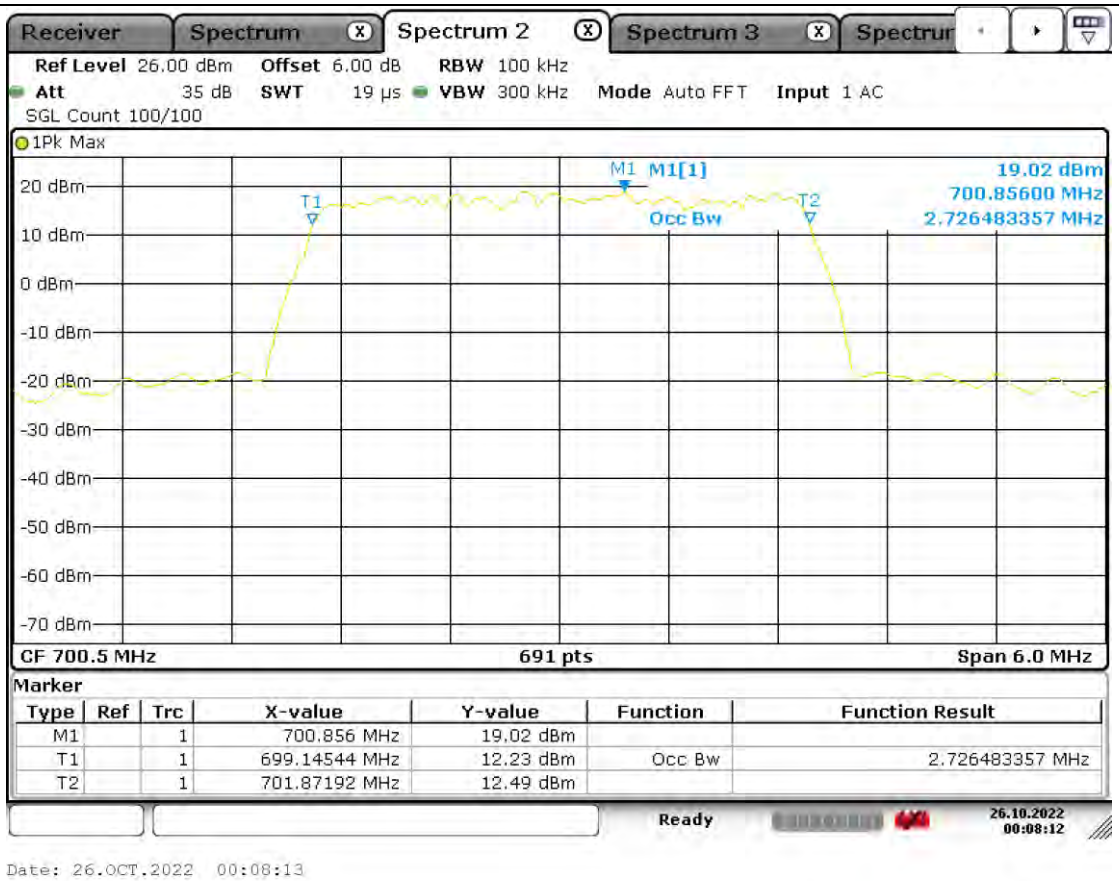
Band12-1.4MHz-16QAM-23095-6RB#0



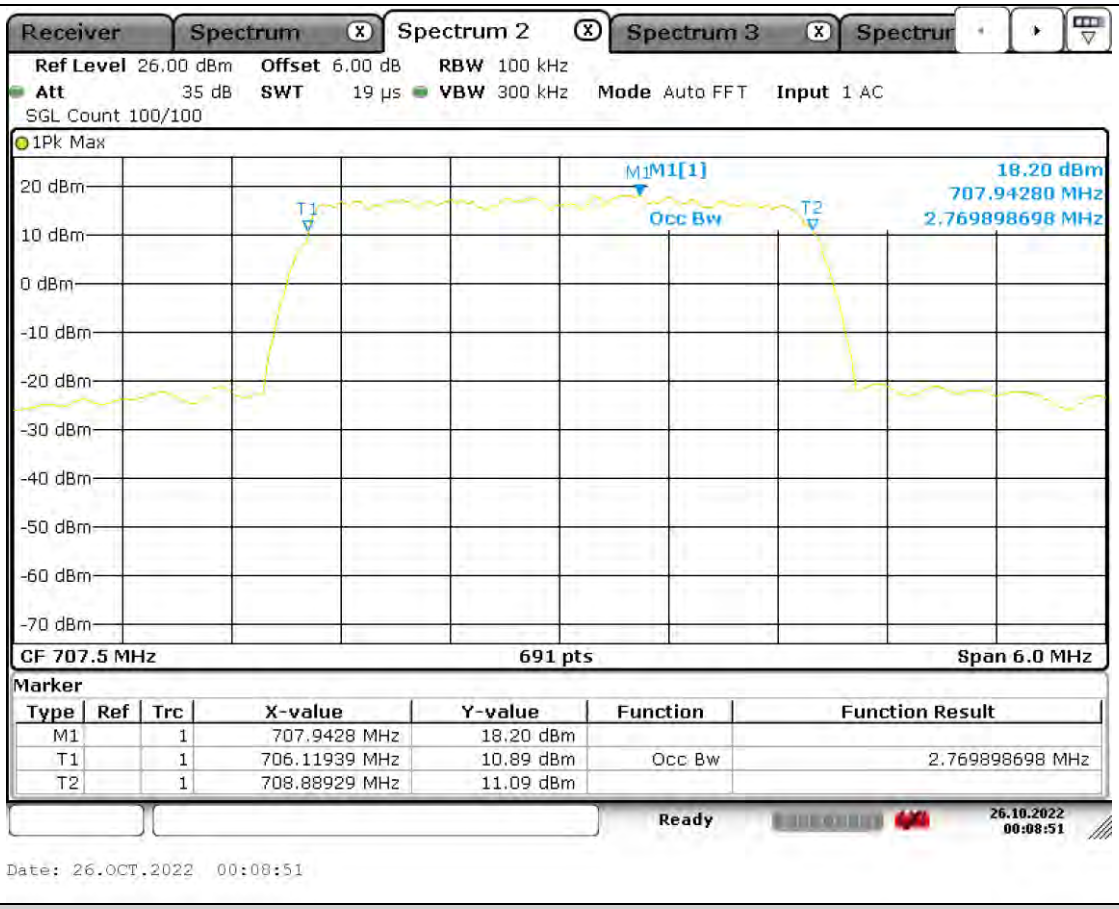
Band12-1.4MHz-16QAM-23173-6RB#0



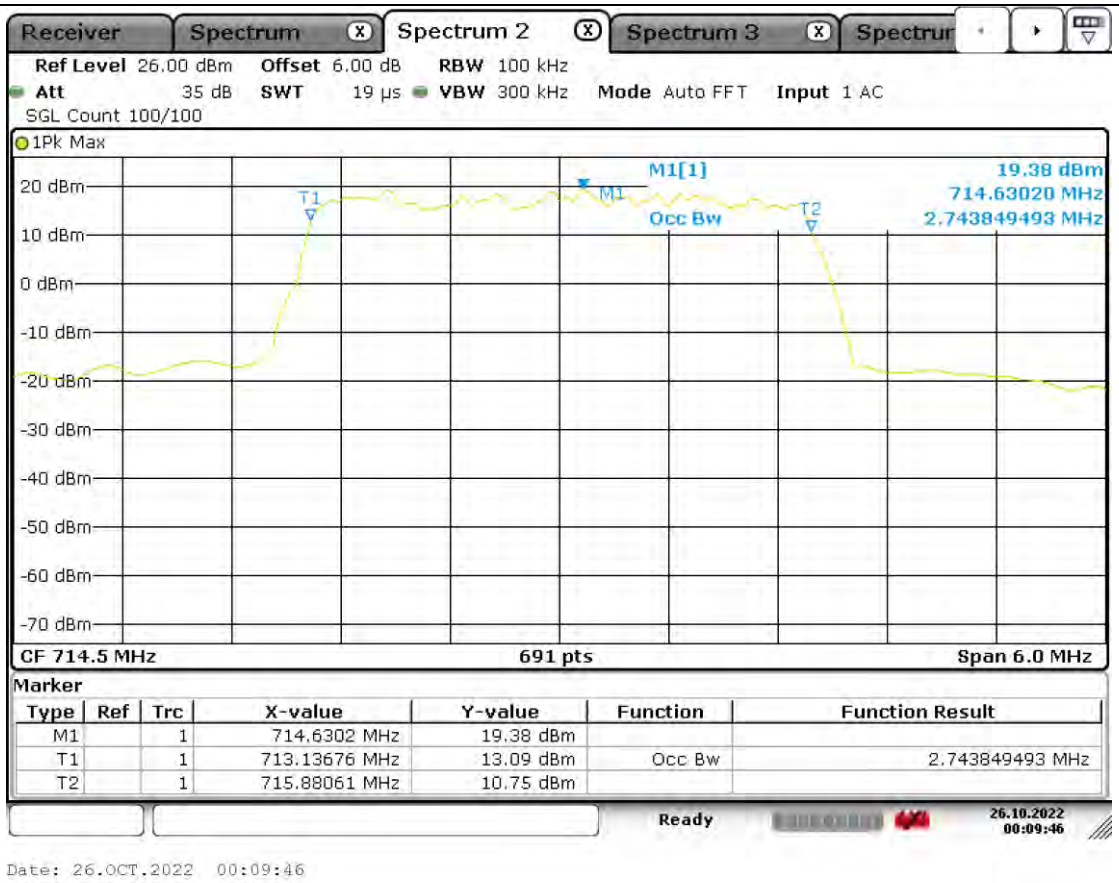
Band12-3MHz-QPSK-23025-15RB#0



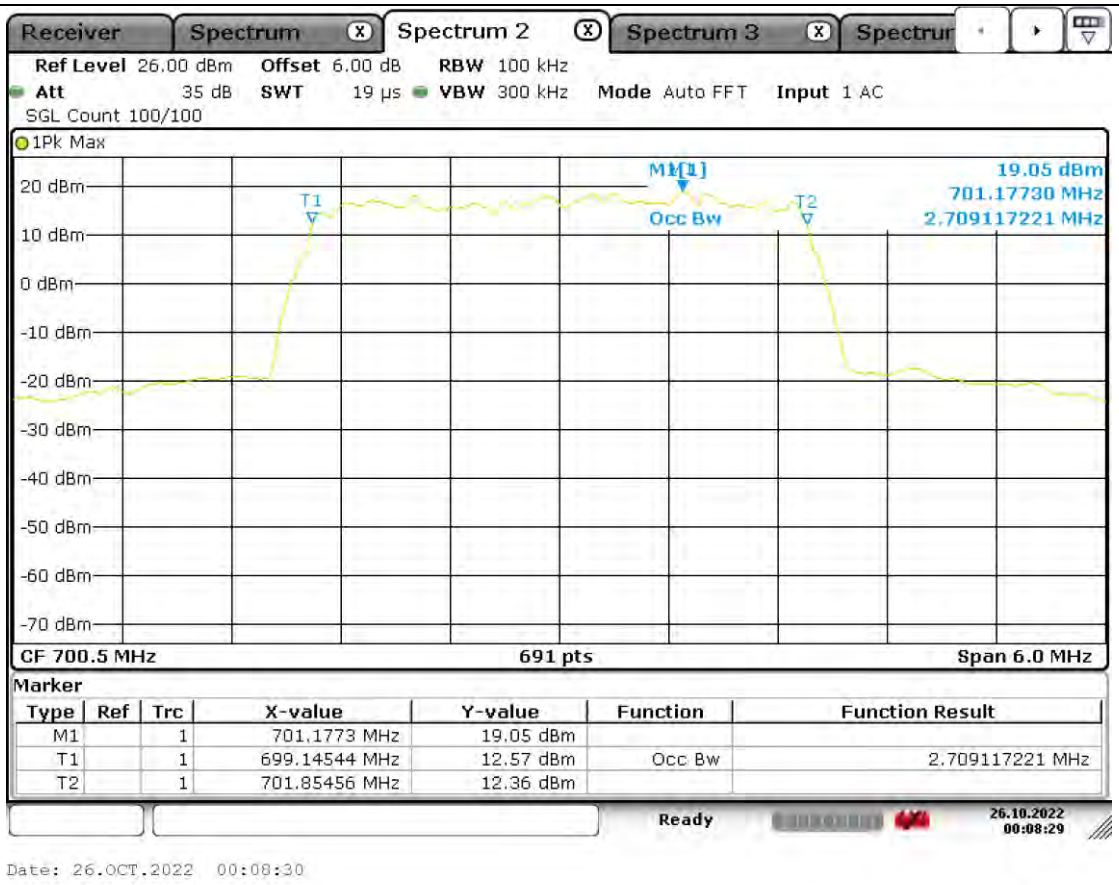
Band12-3MHz-QPSK-23095-15RB#0



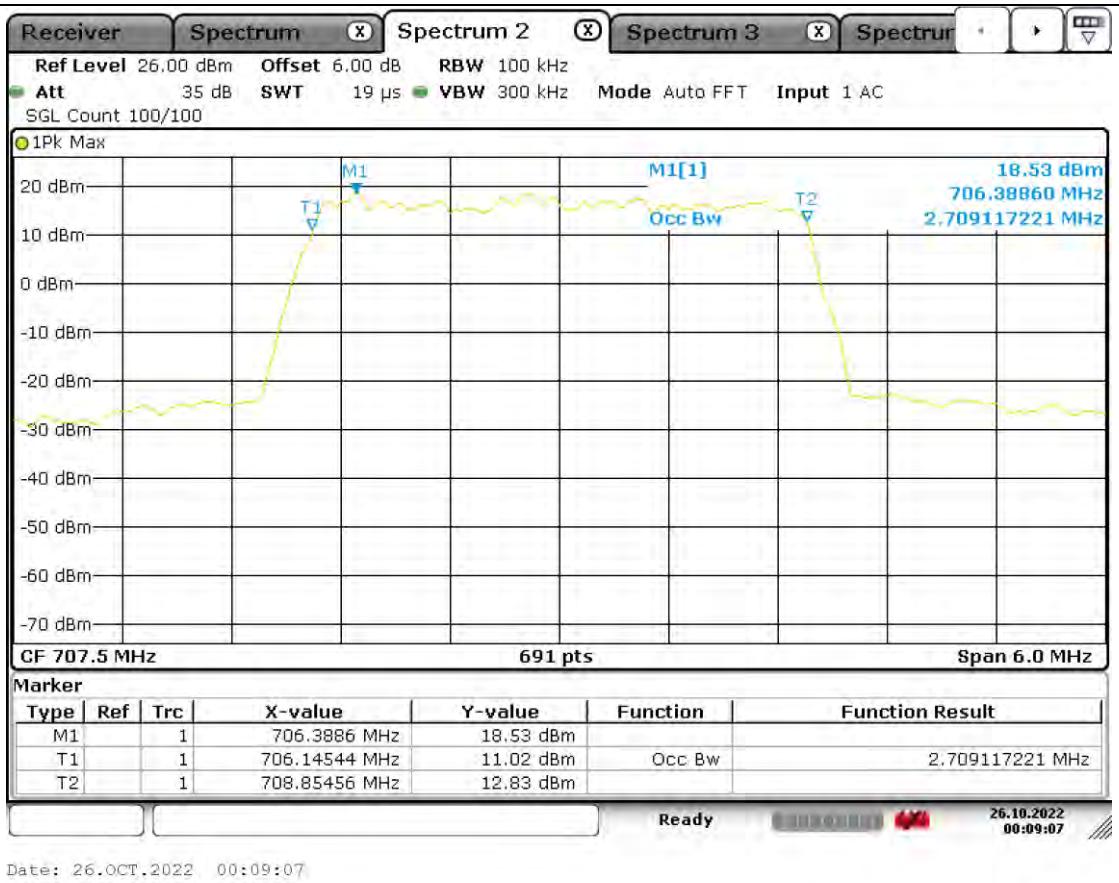
Band12-3MHz-QPSK-23165-15RB#0



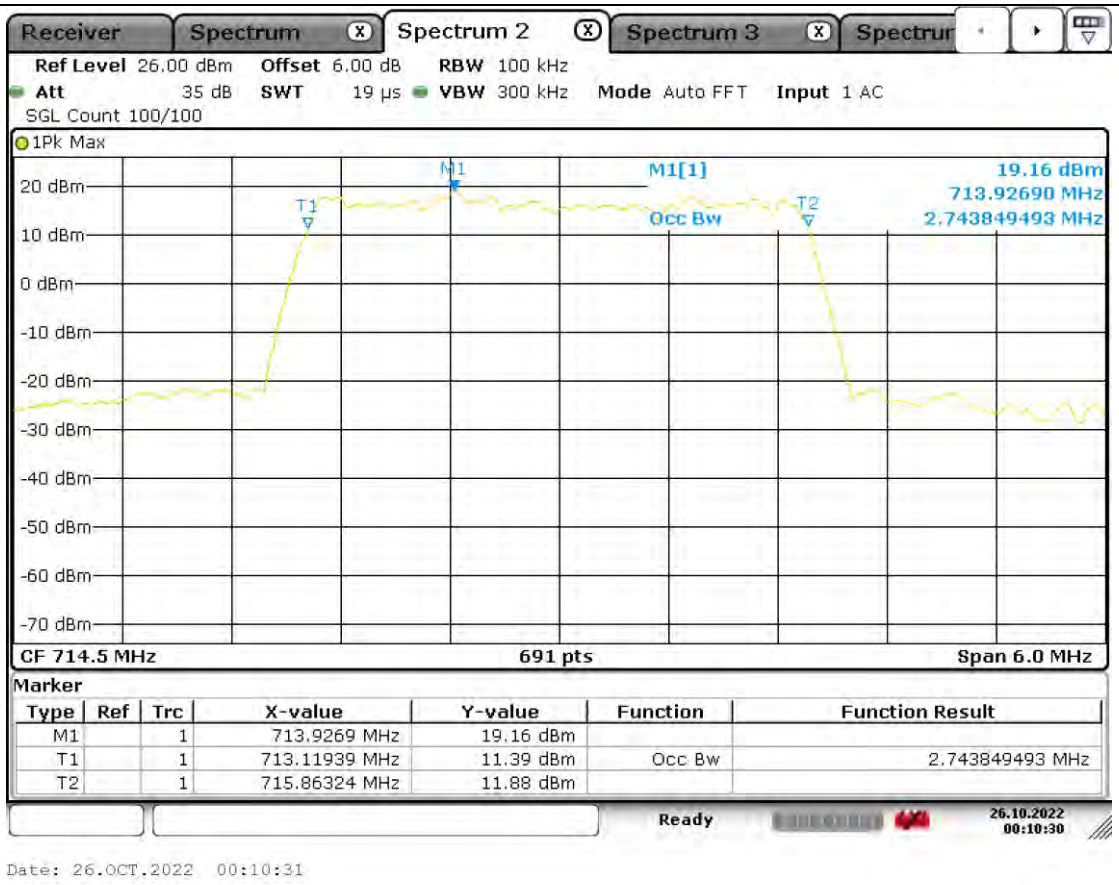
Band12-3MHz-16QAM-23025-15RB#0



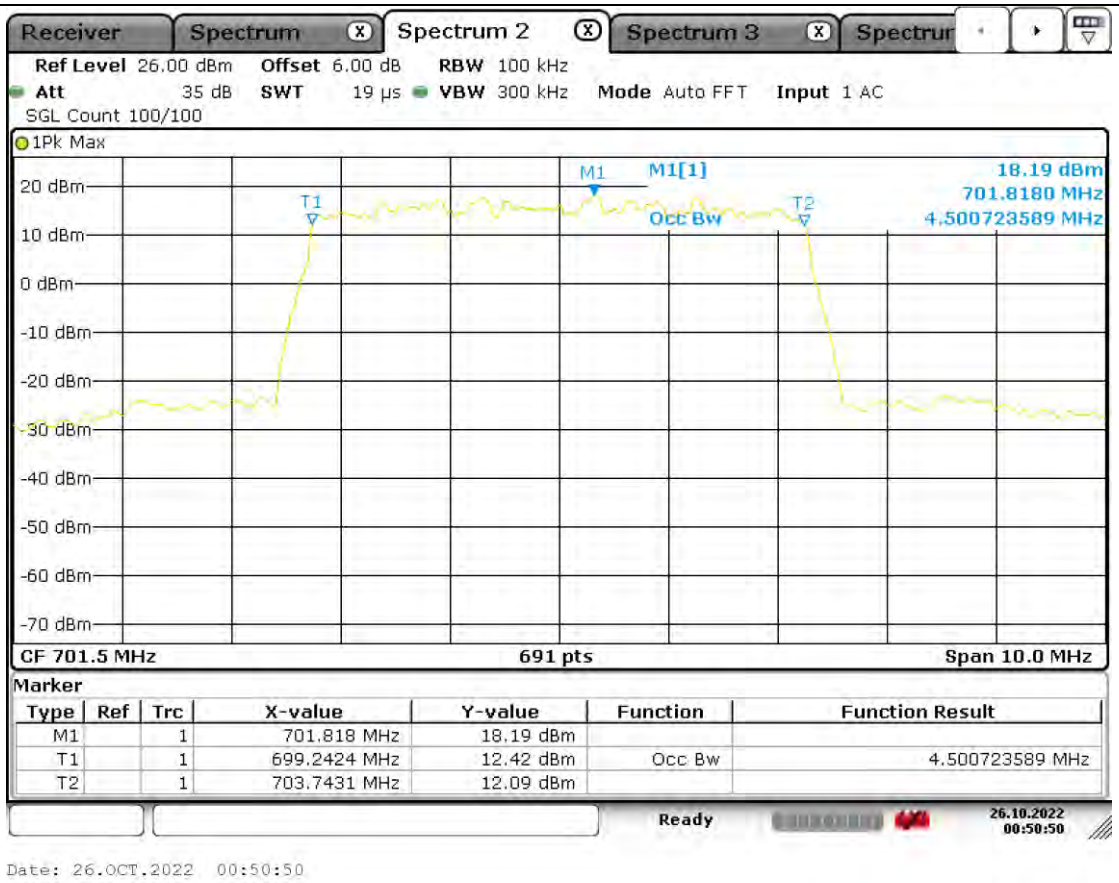
Band12-3MHz-16QAM-23095-15RB#0



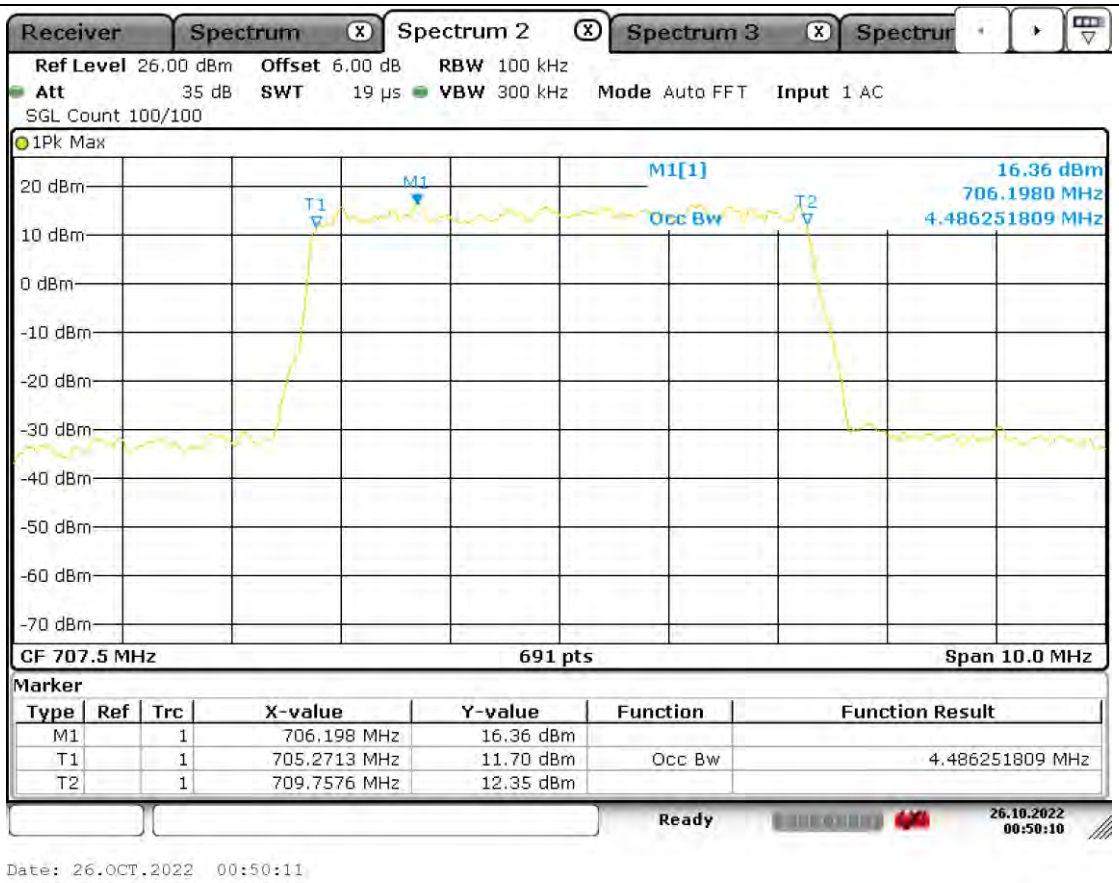
Band12-3MHz-16QAM-23165-15RB#0



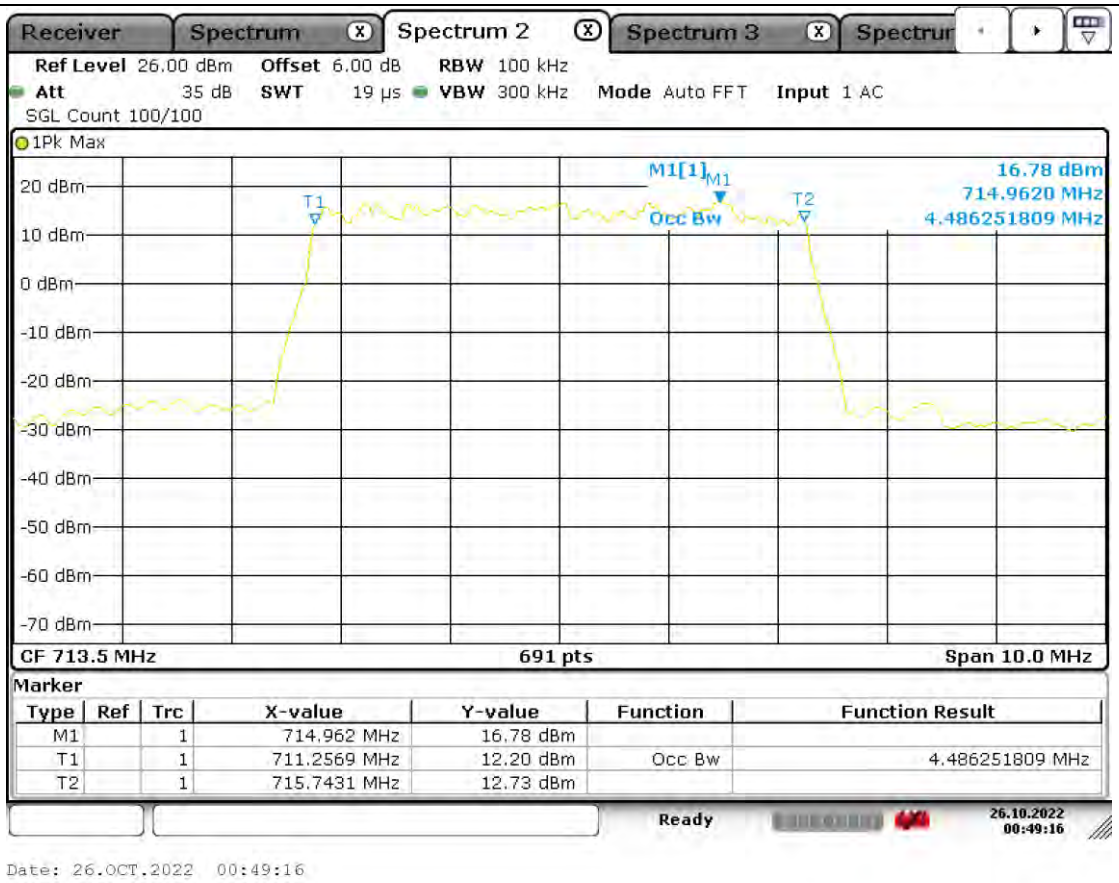
Band12-5MHz-QPSK-23035-25RB#0



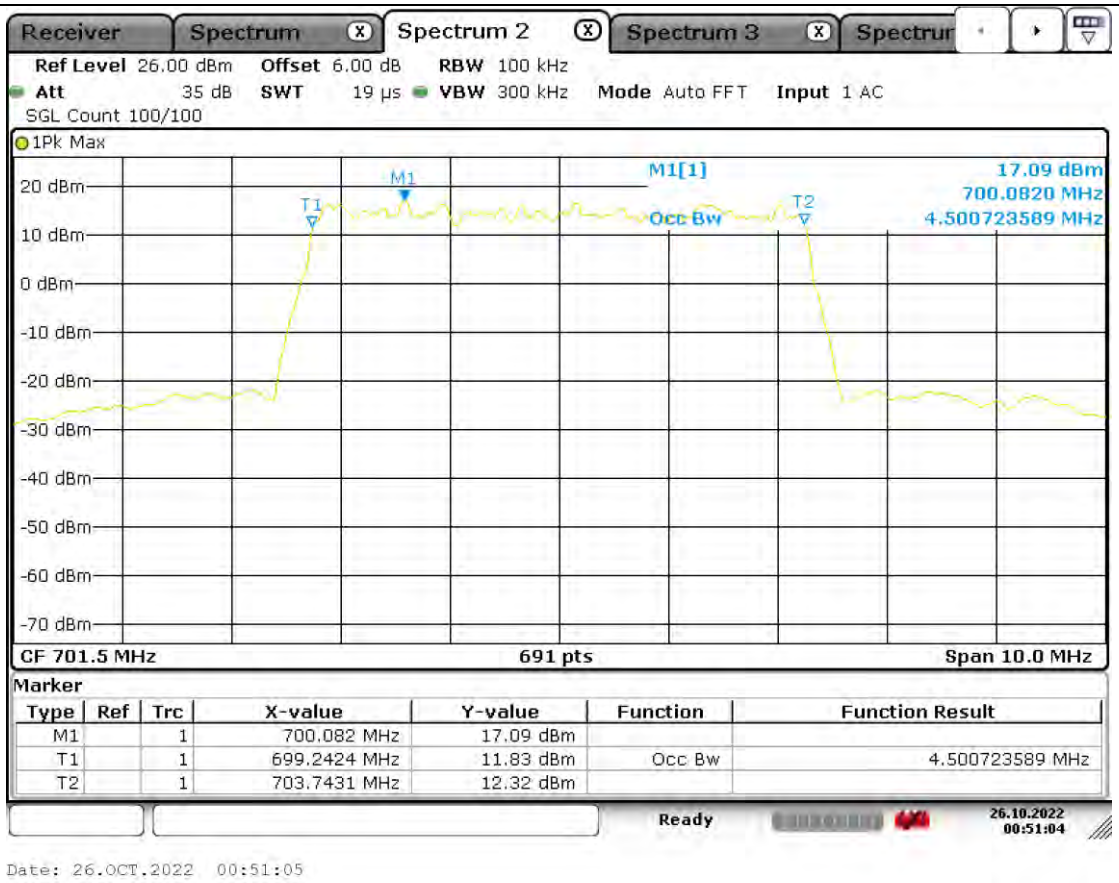
Band12-5MHz-QPSK-23095-25RB#0



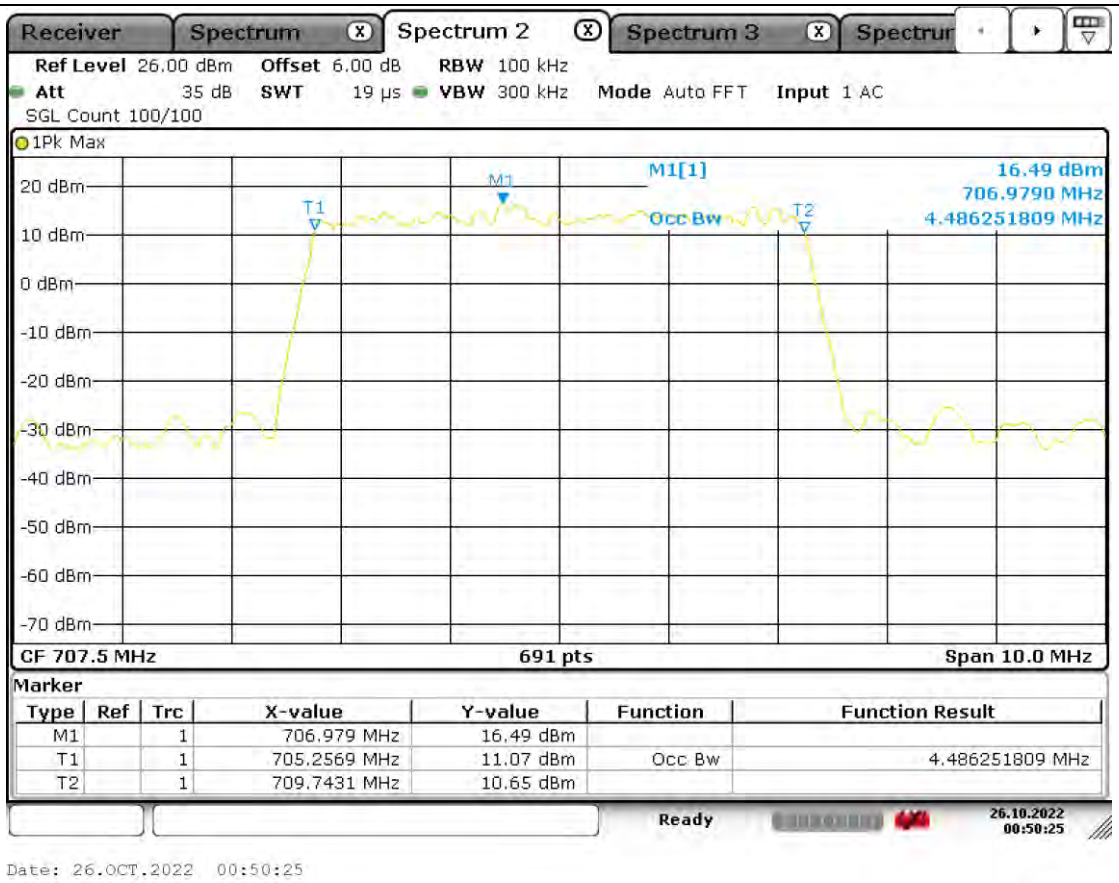
Band12-5MHz-QPSK-23155-25RB#0



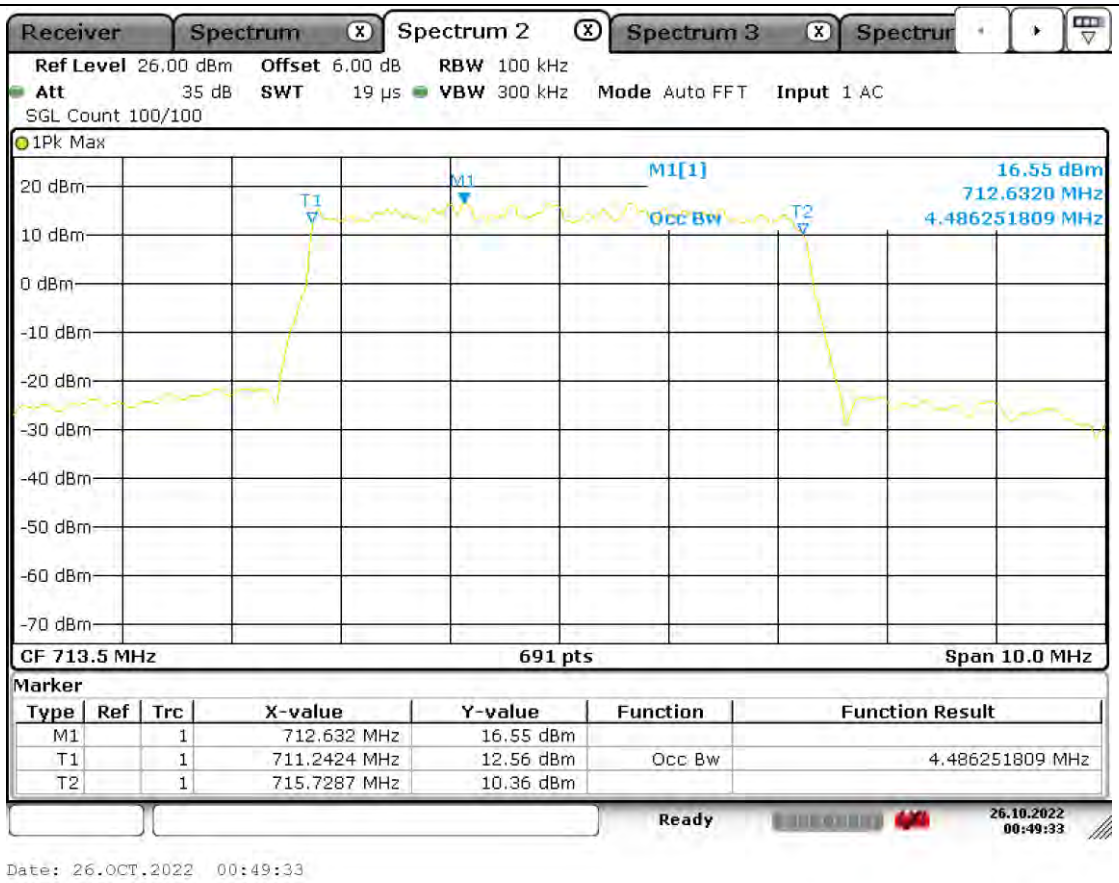
Band12-5MHz-16QAM-23035-25RB#0



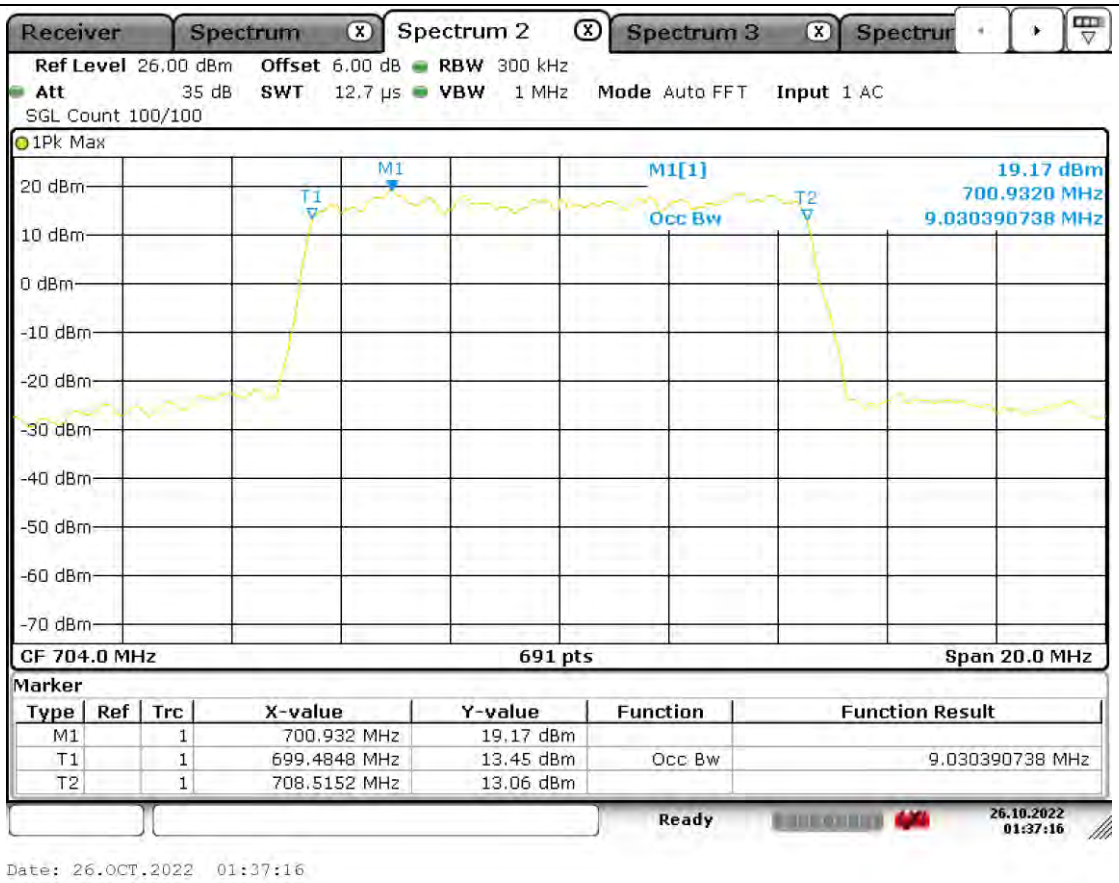
Band12-5MHz-16QAM-23095-25RB#0



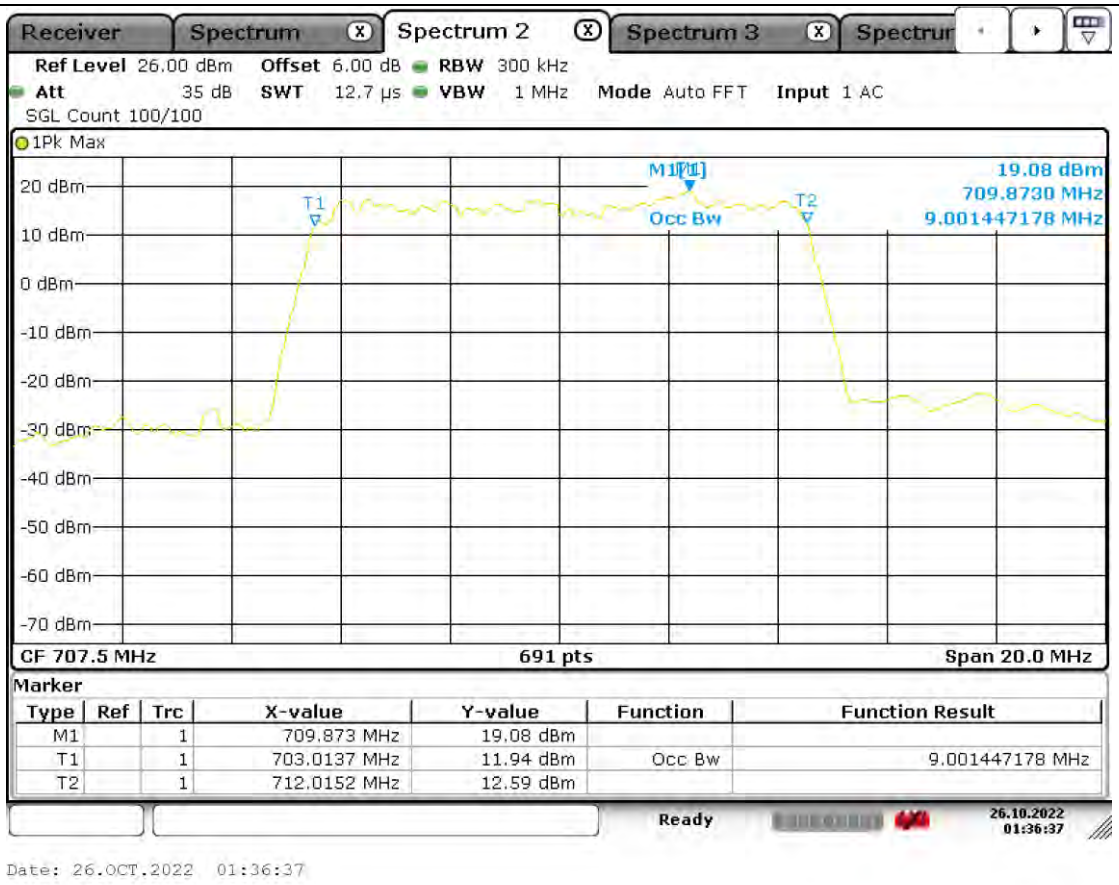
Band12-5MHz-16QAM-23155-25RB#0



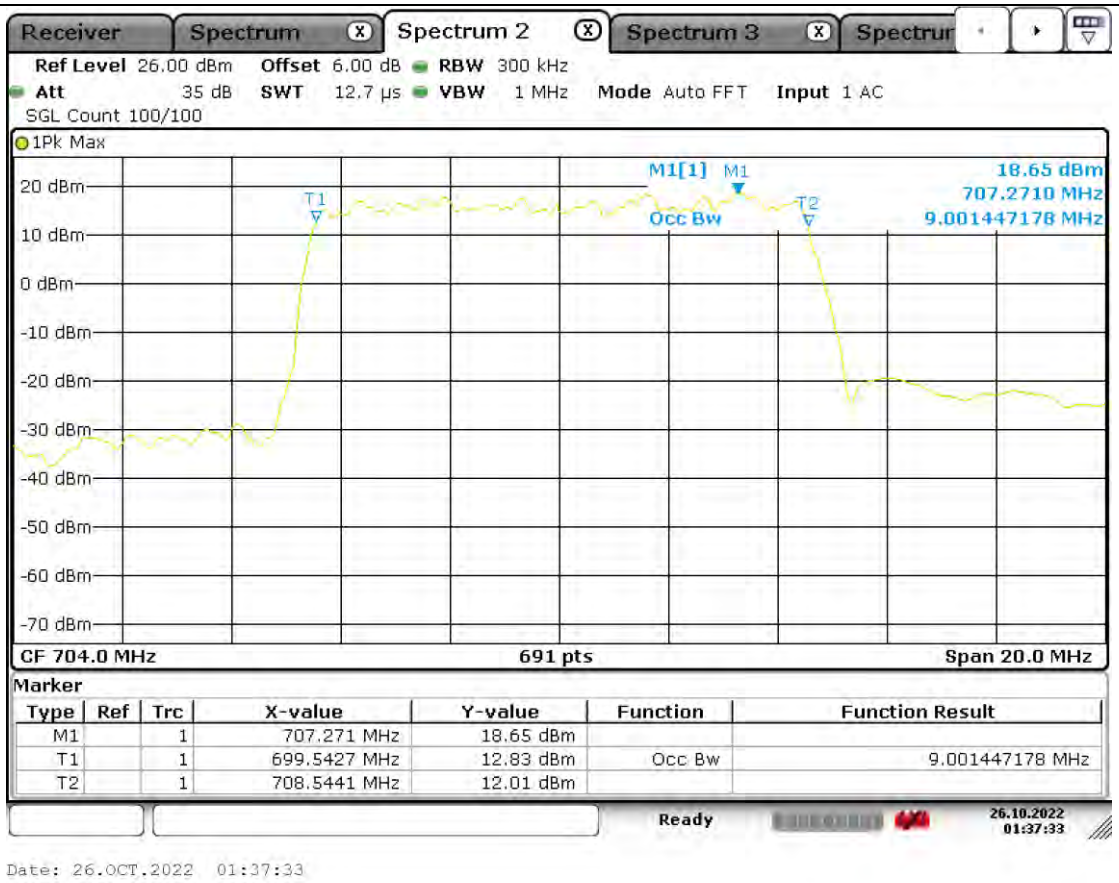
Band12-10MHz-QPSK-23060-50RB#0



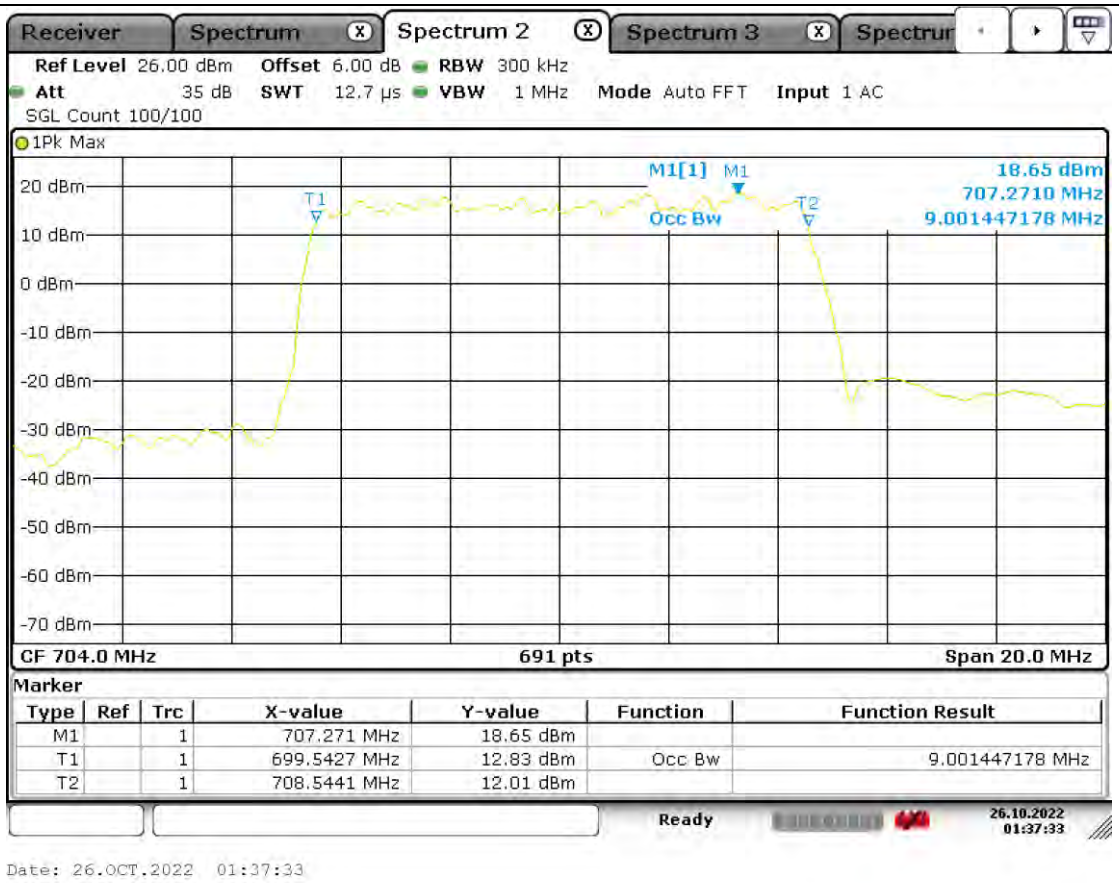
Band12-10MHz-QPSK-23095-50RB#0



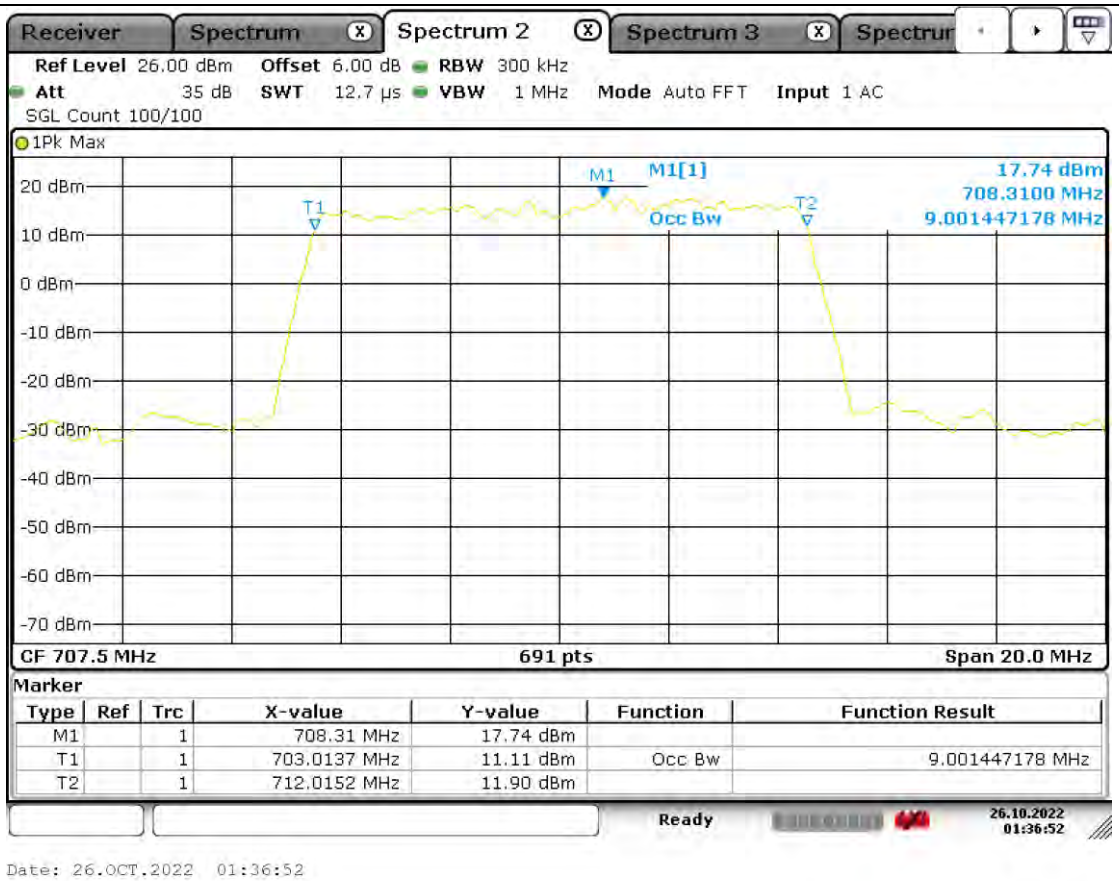
Band12-10MHz-QPSK-23130-50RB#0



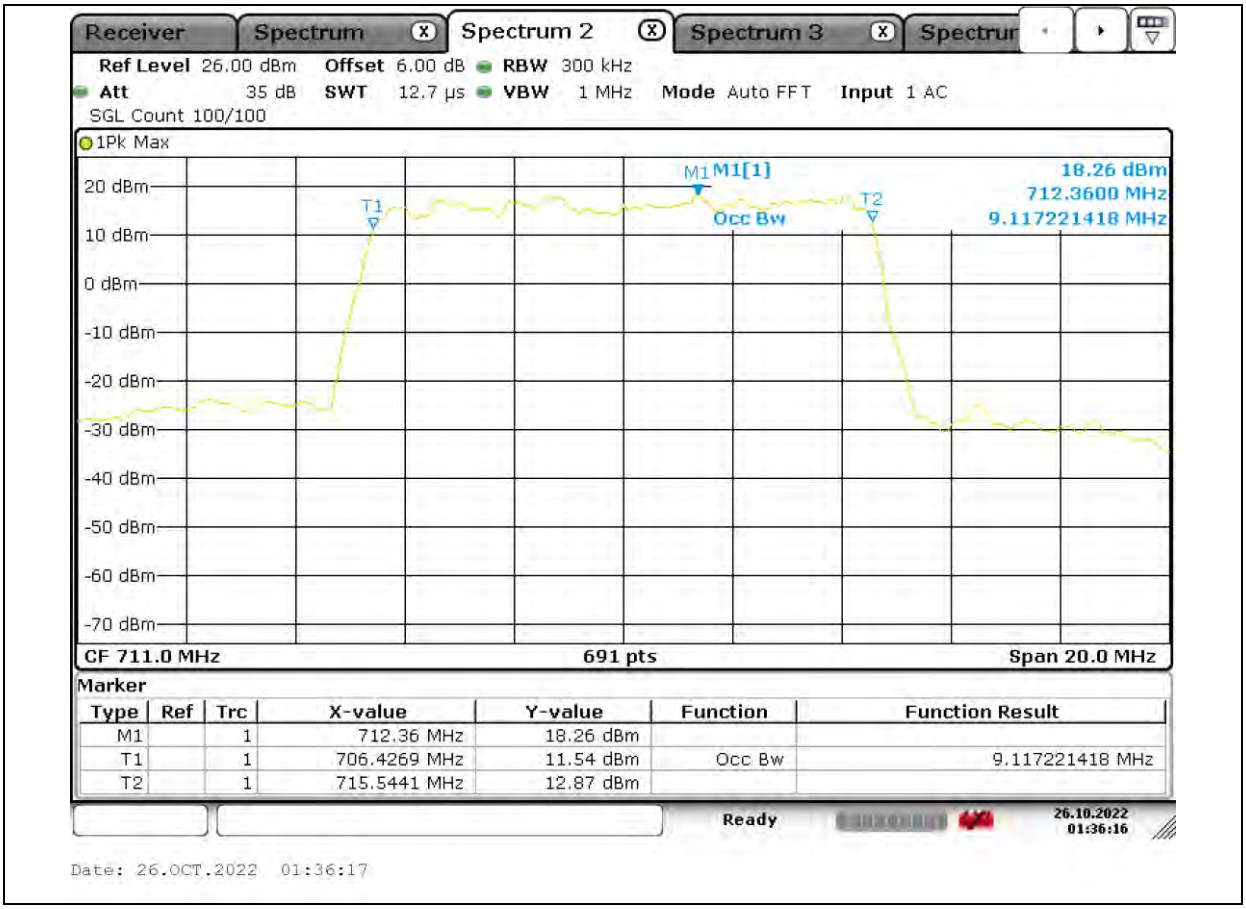
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0

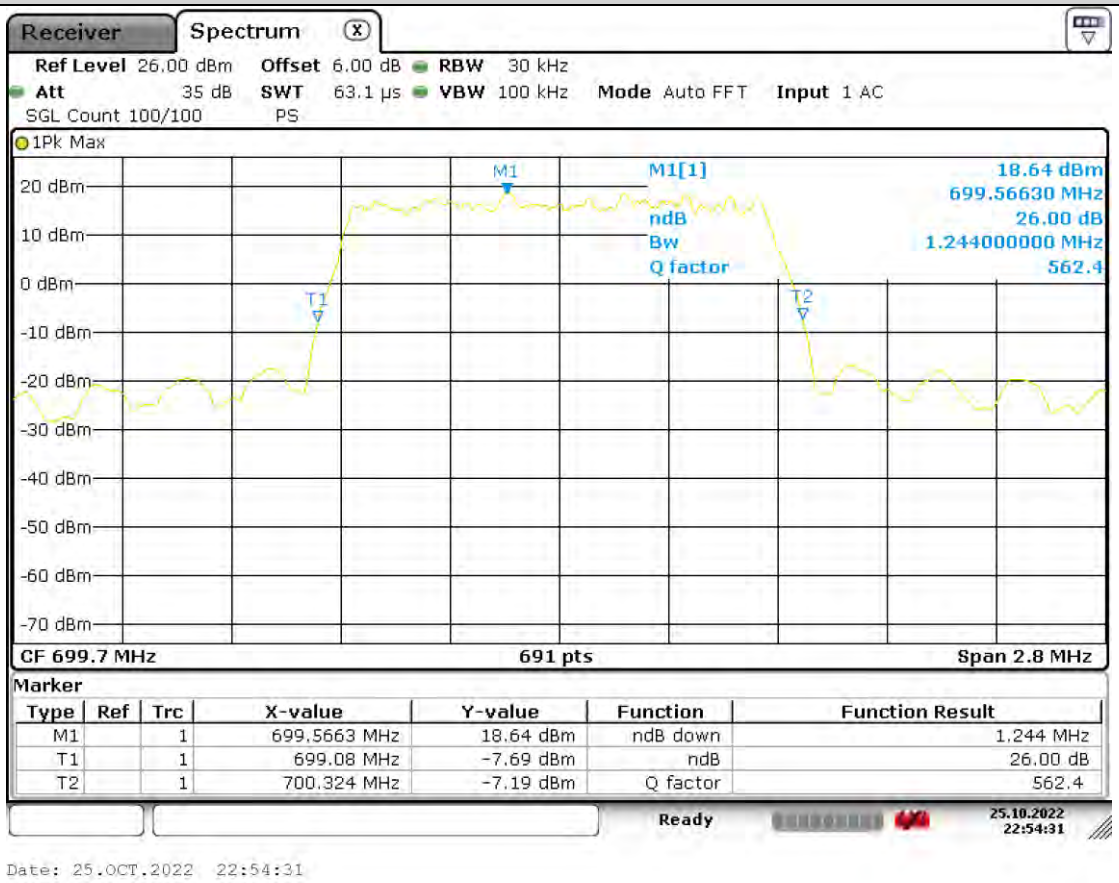


Band12-10MHz-16QAM-23130-50RB#0

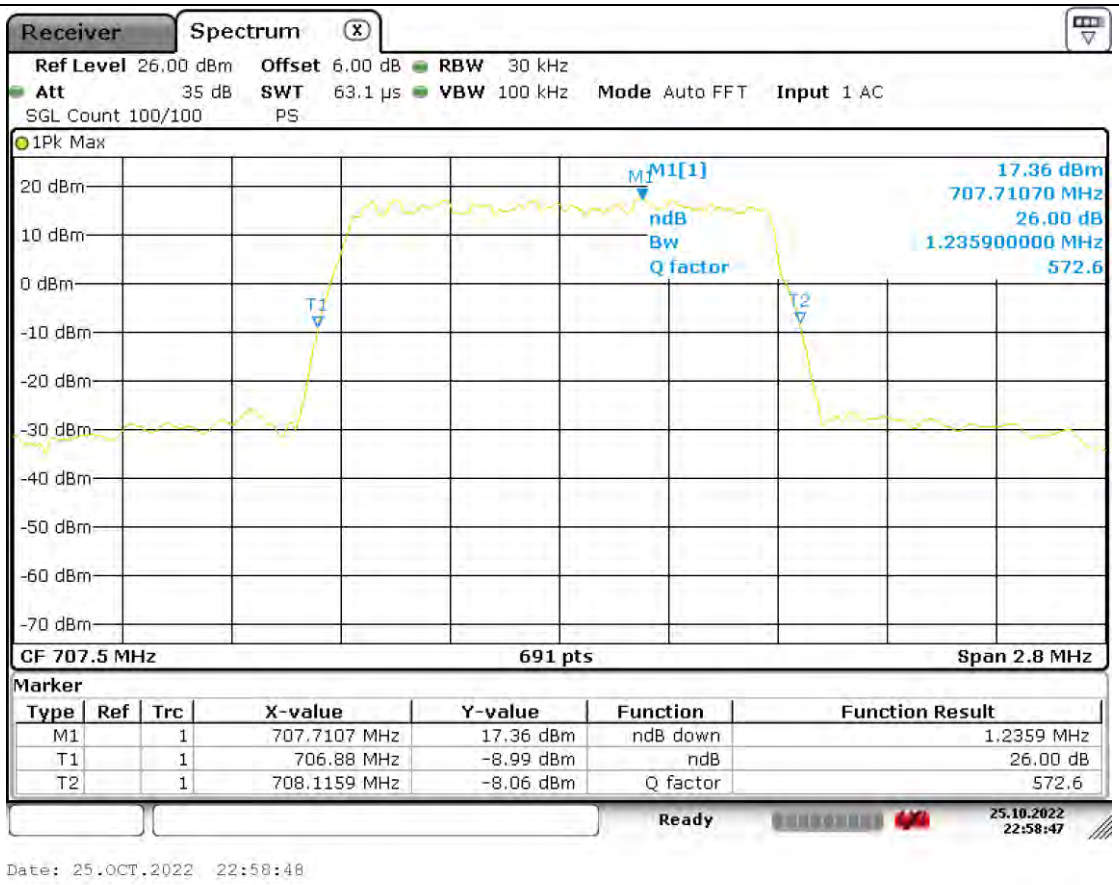

Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrum
Ref Level 26.00 dBm Offset 6.00 dB RBW 300 kHz
Att 35 dB SWT 12.7 µs VBW 1 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100
1Pk Max
M1 M1[1] 18.26 dBm
712.3600 MHz
9.117221418 MHz
T1
T2
Occ Bw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 711.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 712.36 MHz 18.26 dBm
T1 1 706.4269 MHz 11.54 dBm Occ Bw 9.117221418 MHz
T2 1 715.5441 MHz 12.87 dBm
Ready
26.10.2022
01:36:16
Date: 26.OCT.2022 01:36:17

26dB Bandwidth

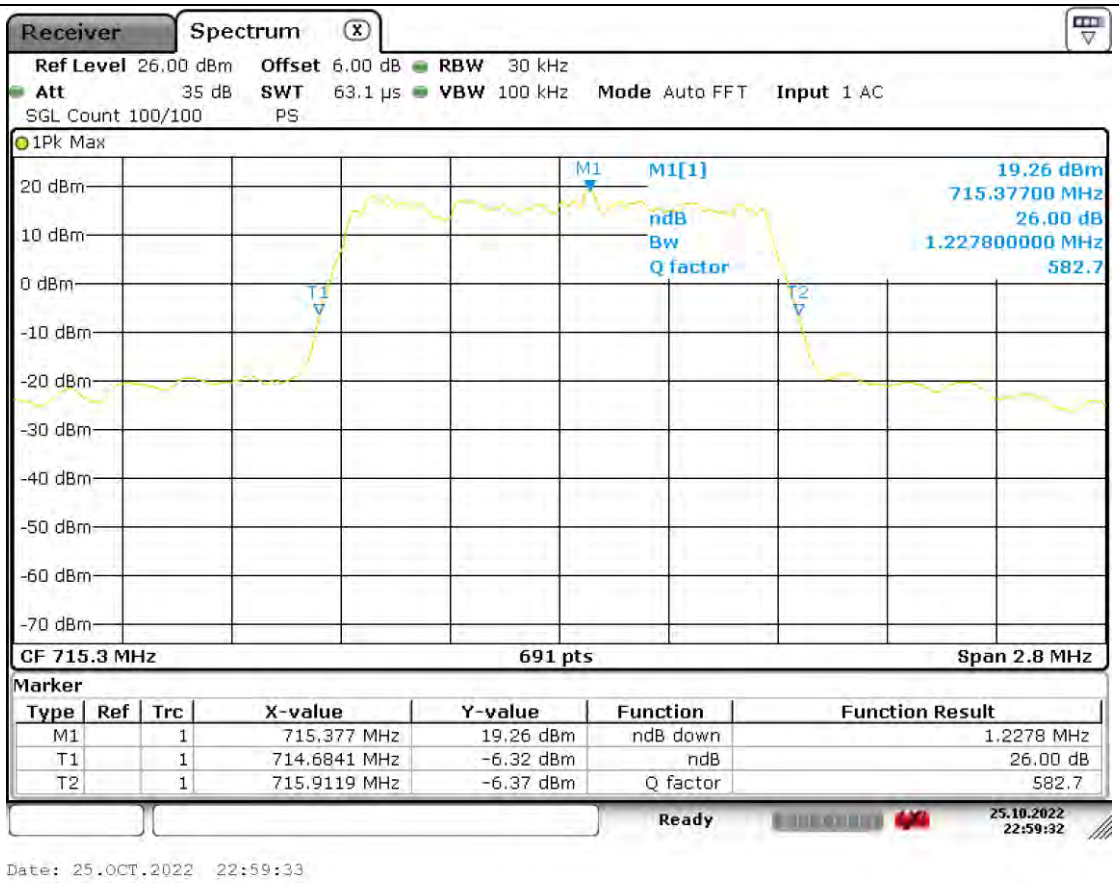
Band12-1.4MHz-QPSK-23017-6RB#0



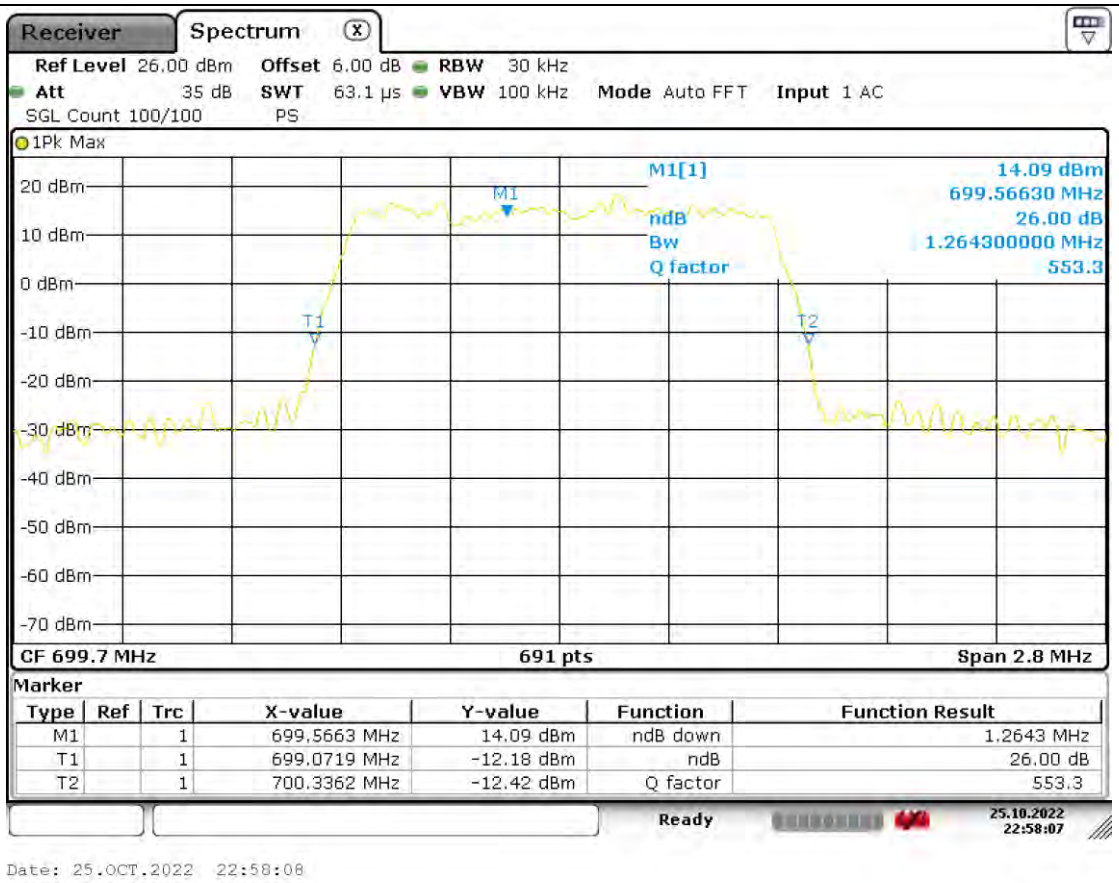
Band12-1.4MHz-QPSK-23095-6RB#0



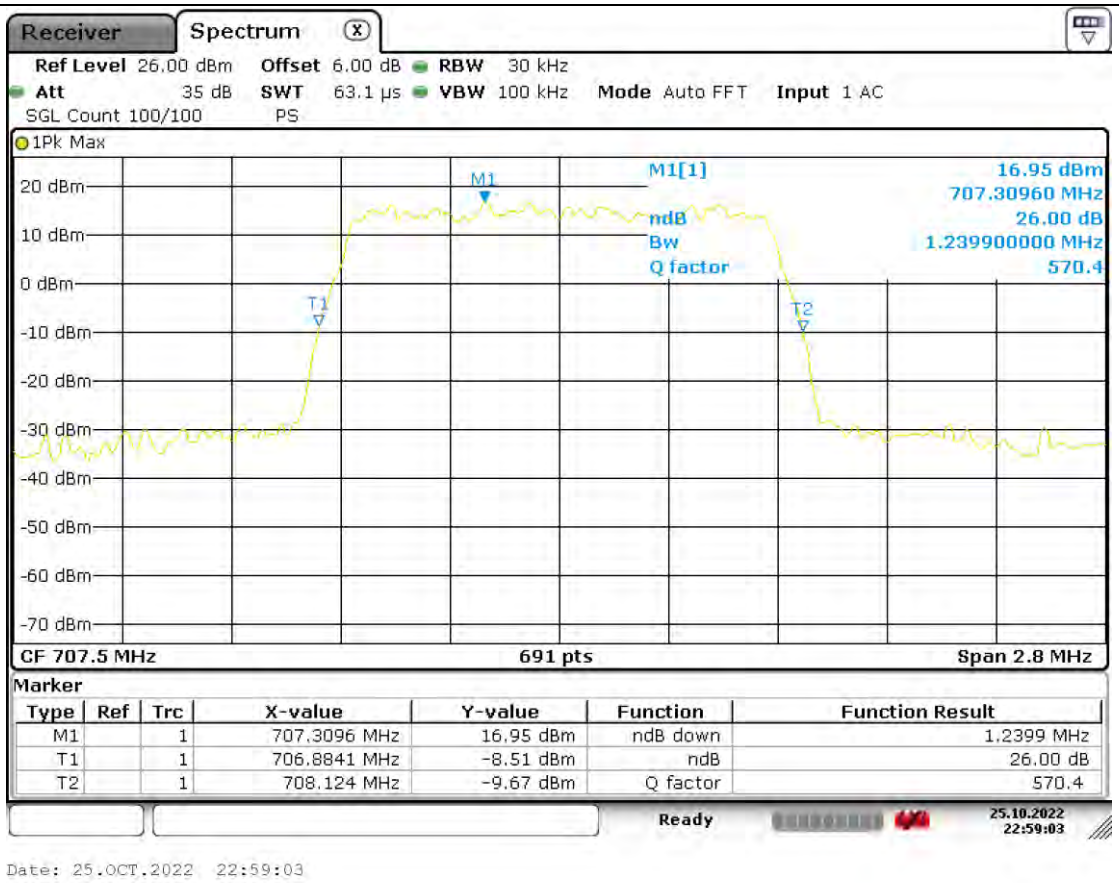
Band12-1.4MHz-QPSK-23173-6RB#0



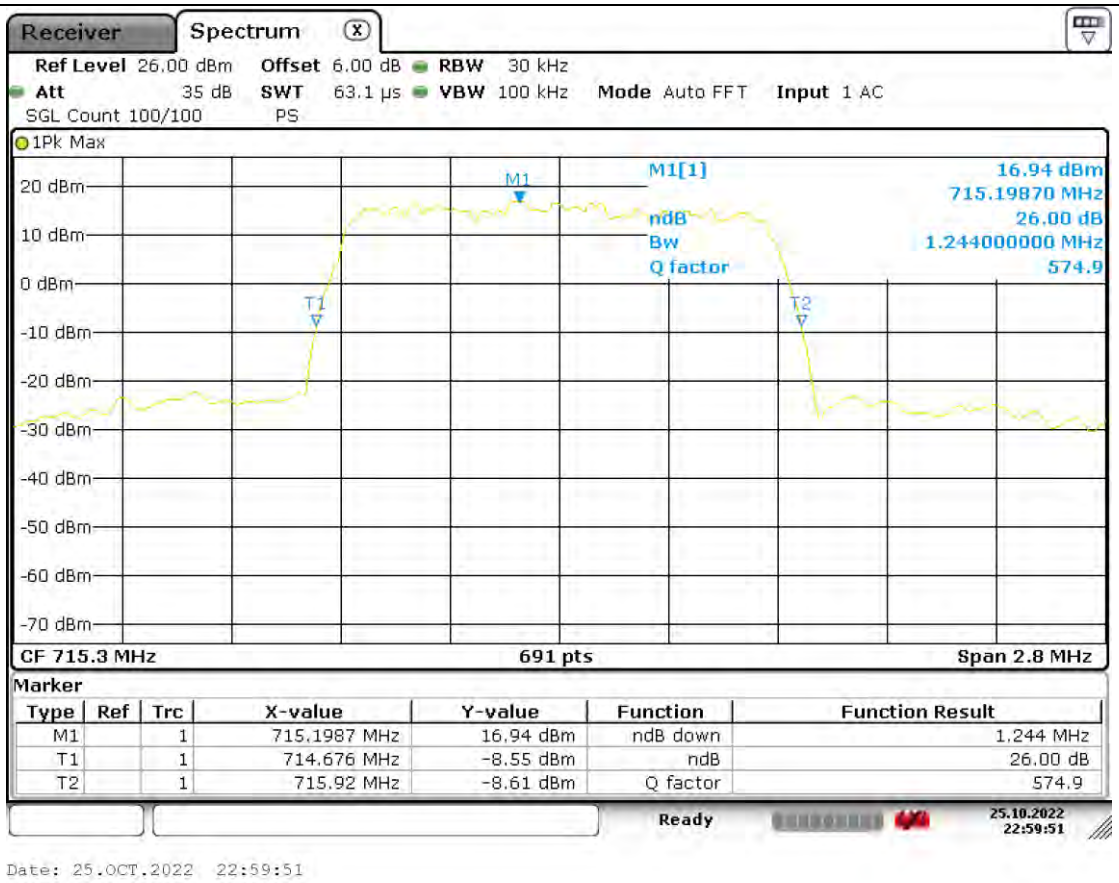
Band12-1.4MHz-16QAM-23017-6RB#0



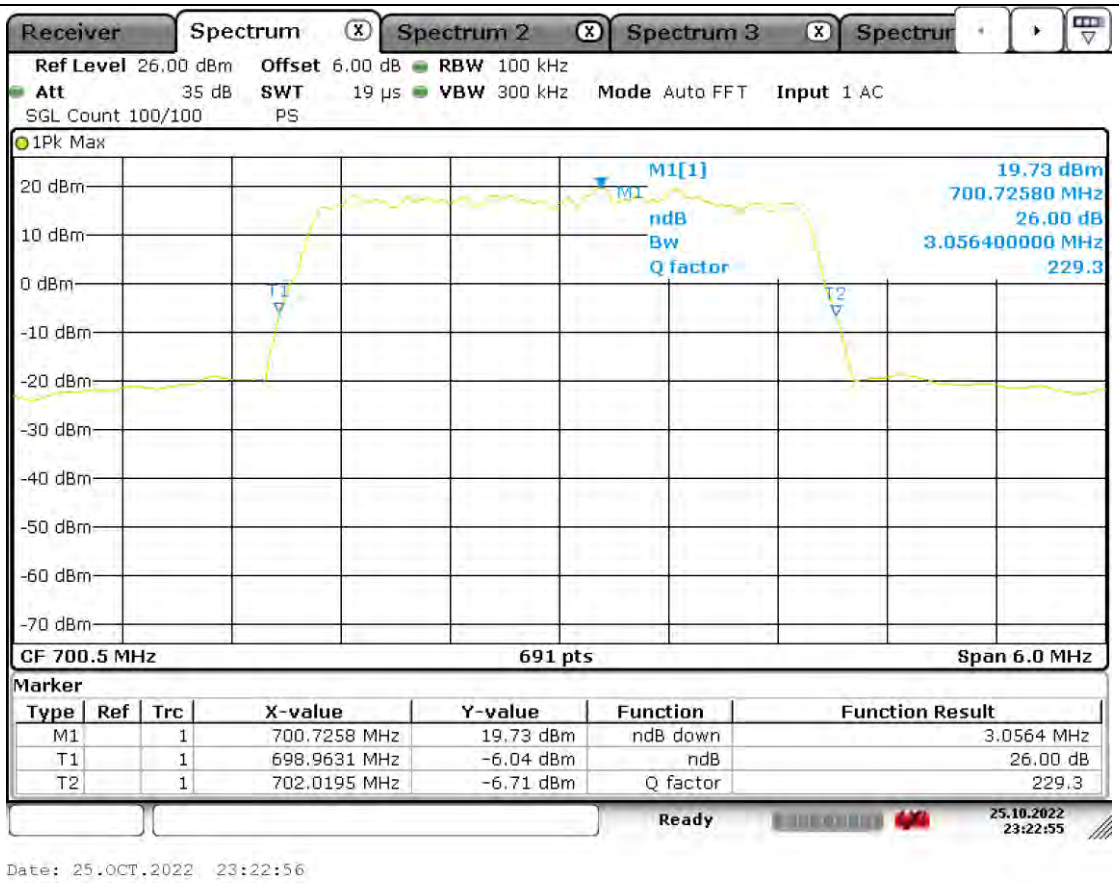
Band12-1.4MHz-16QAM-23095-6RB#0



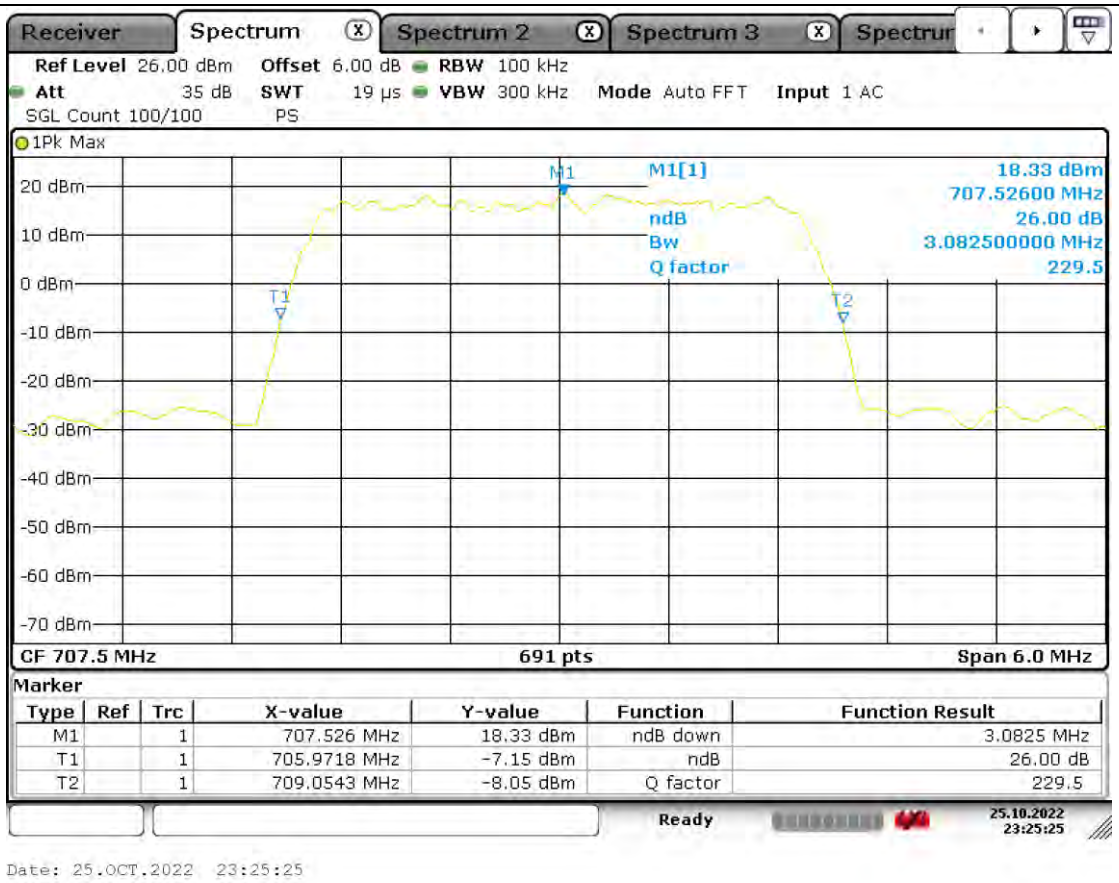
Band12-1.4MHz-16QAM-23173-6RB#0



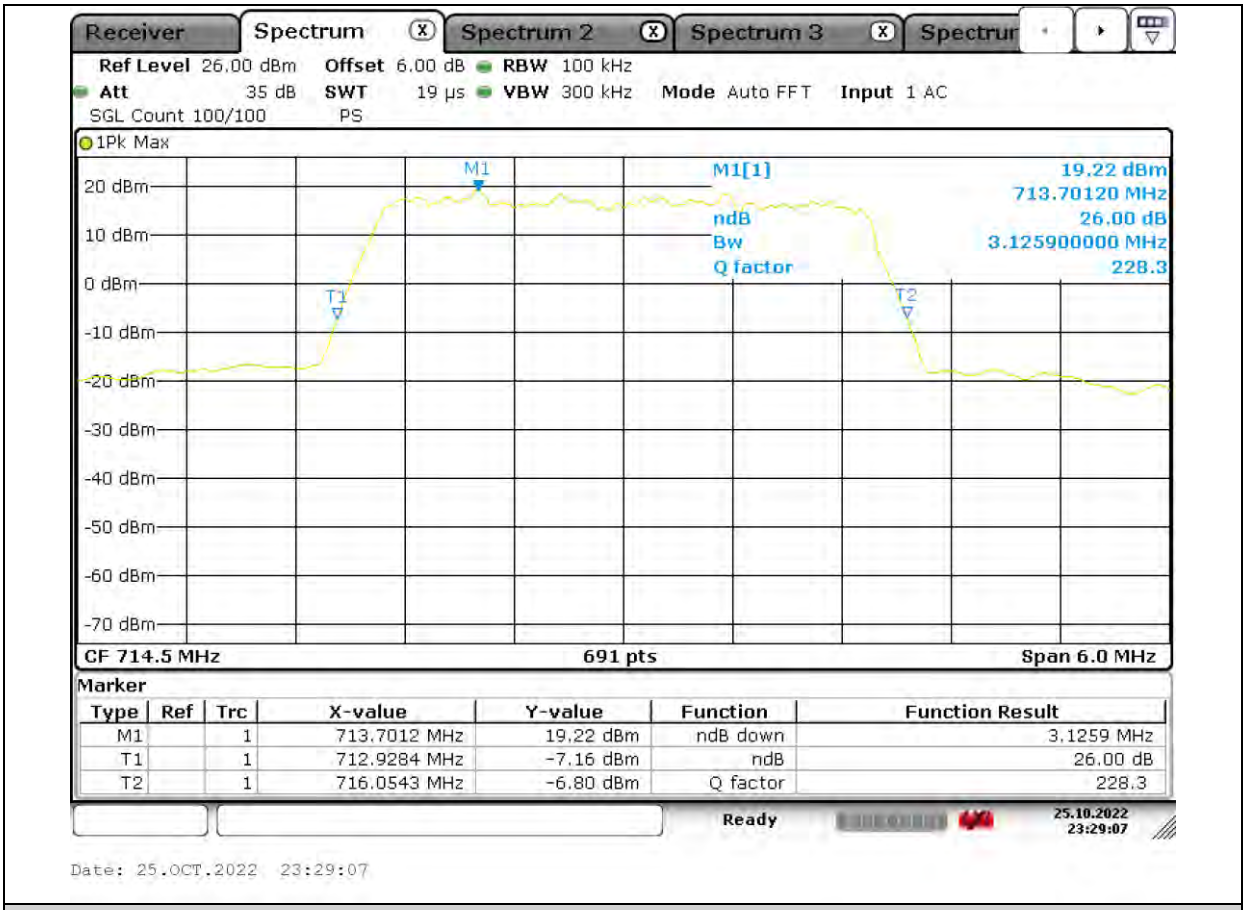
Band12-3MHz-QPSK-23025-15RB#0



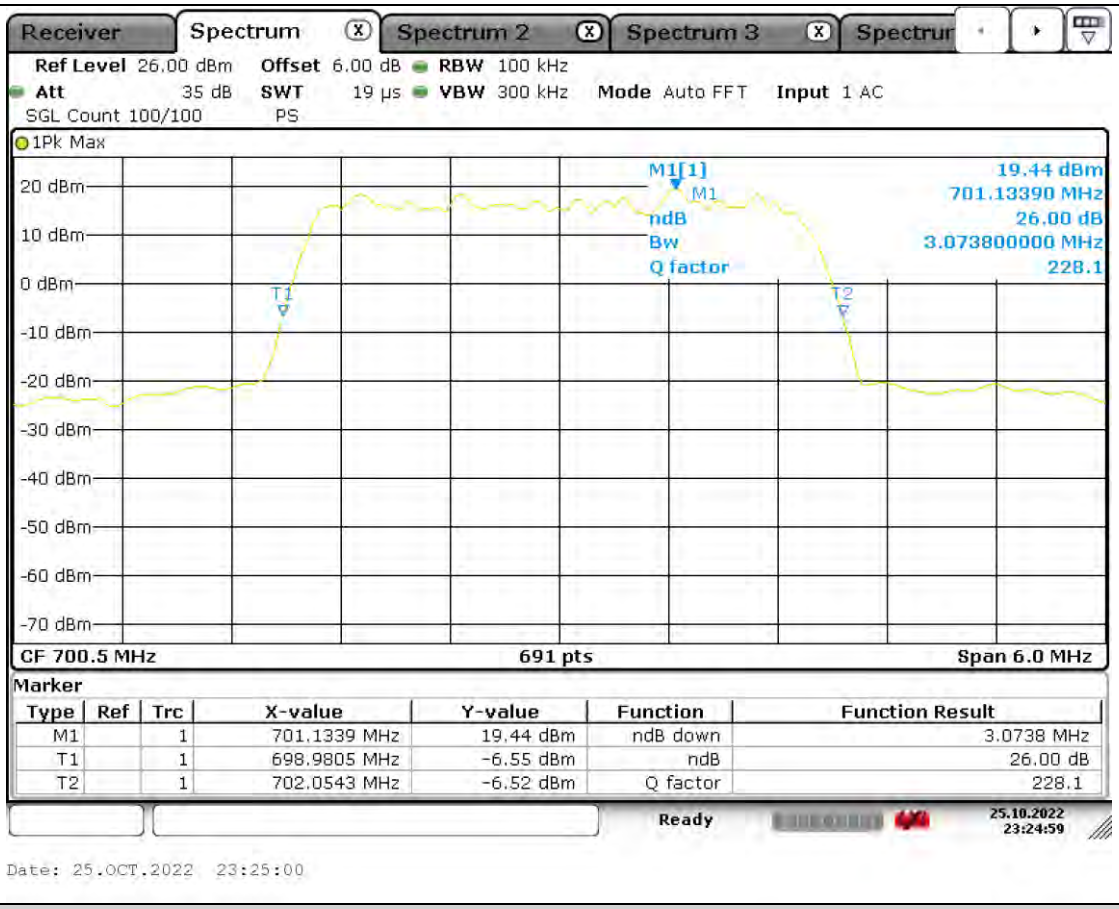
Band12-3MHz-QPSK-23095-15RB#0



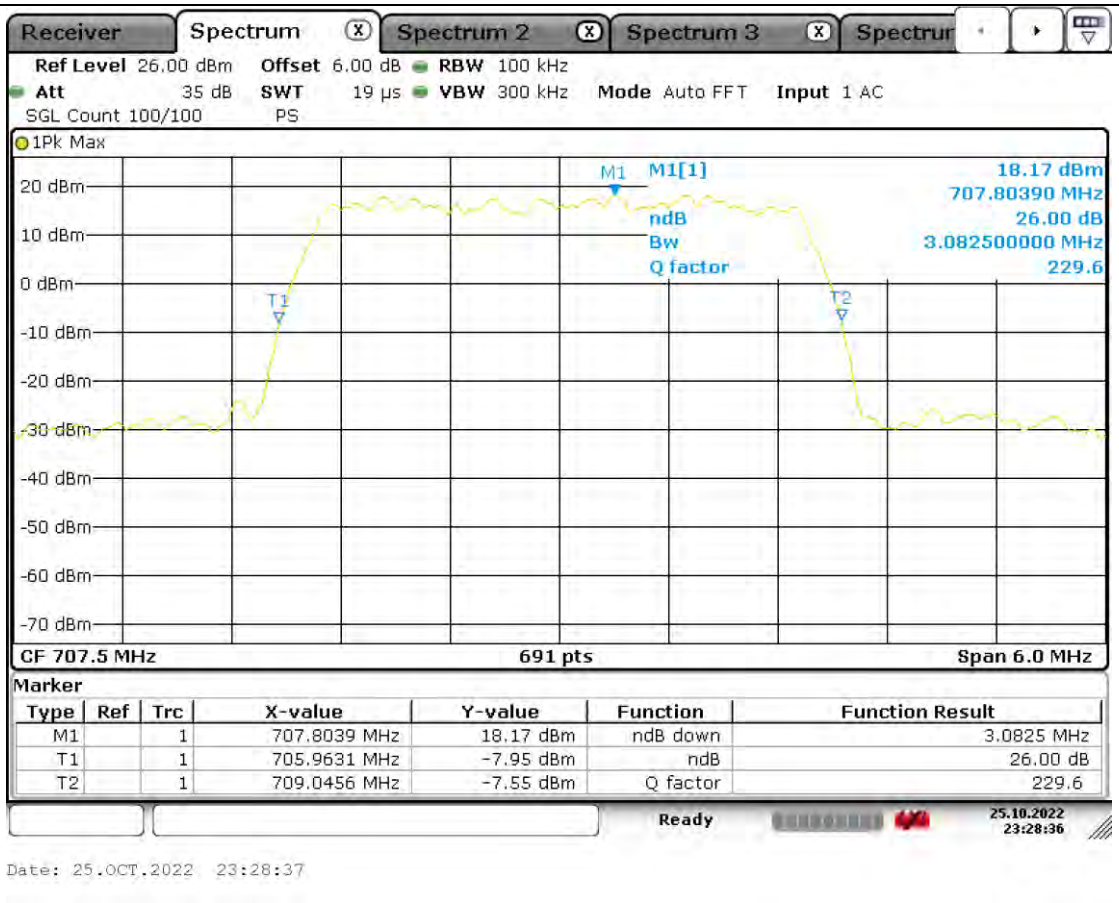
Band12-3MHz-QPSK-23165-15RB#0



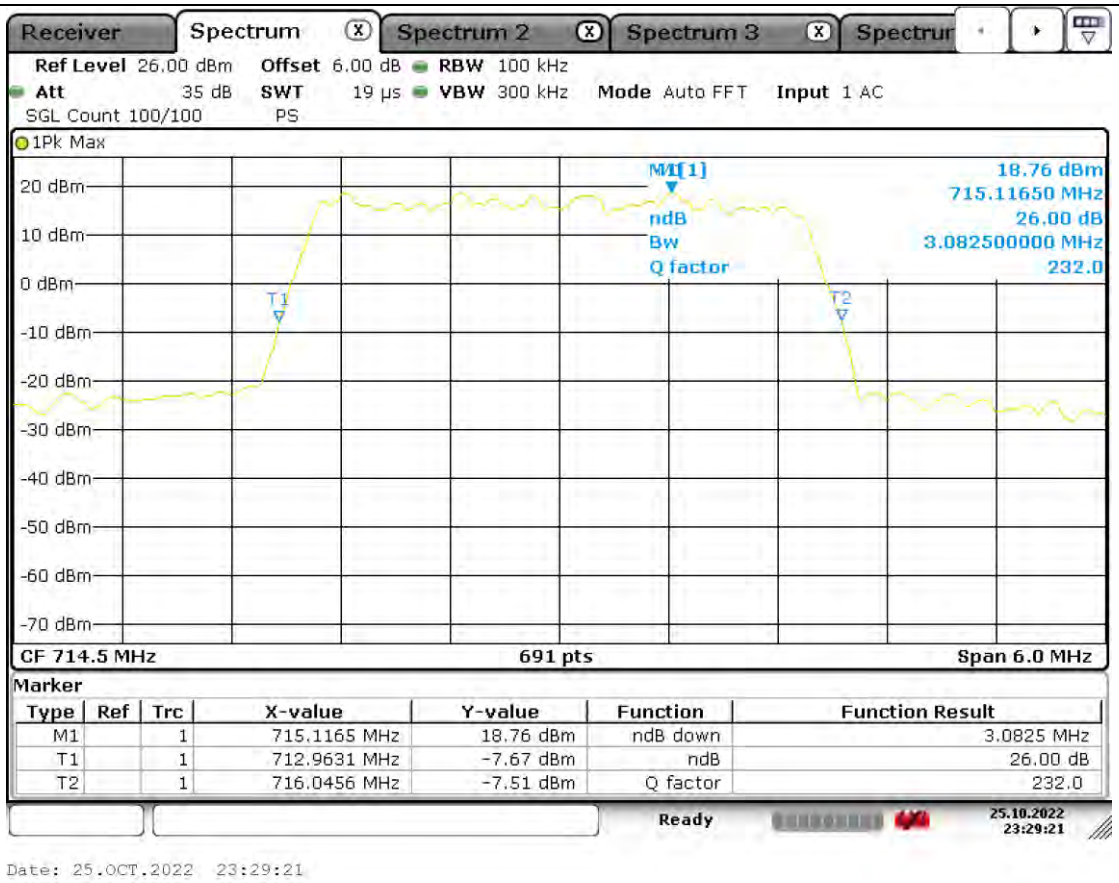
Band12-3MHz-16QAM-23025-15RB#0



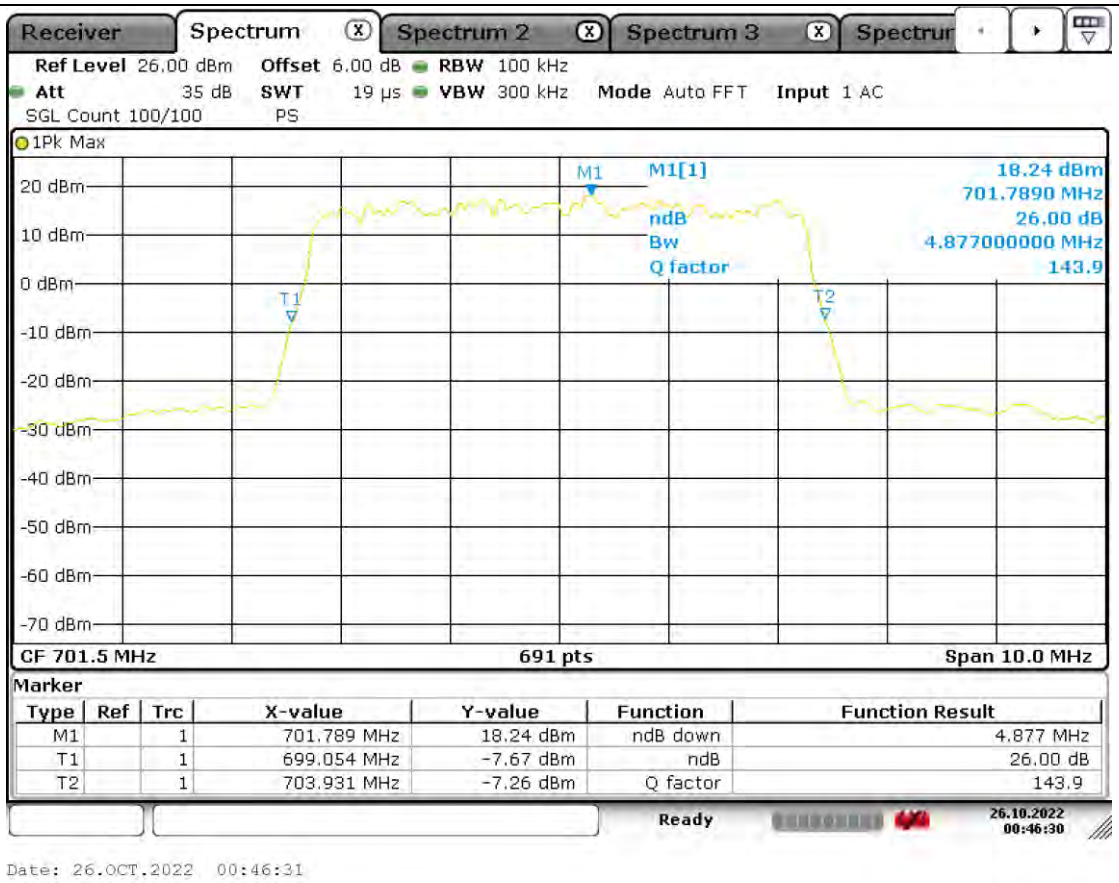
Band12-3MHz-16QAM-23095-15RB#0



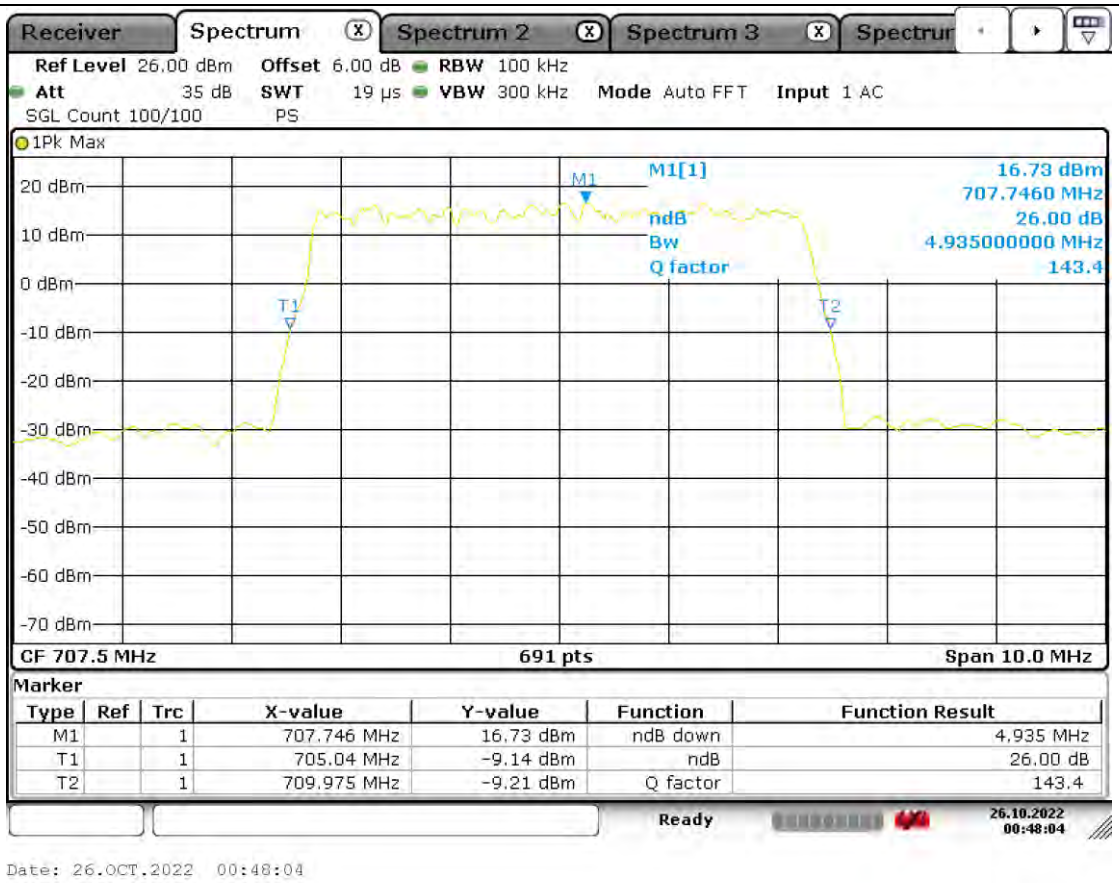
Band12-3MHz-16QAM-23165-15RB#0



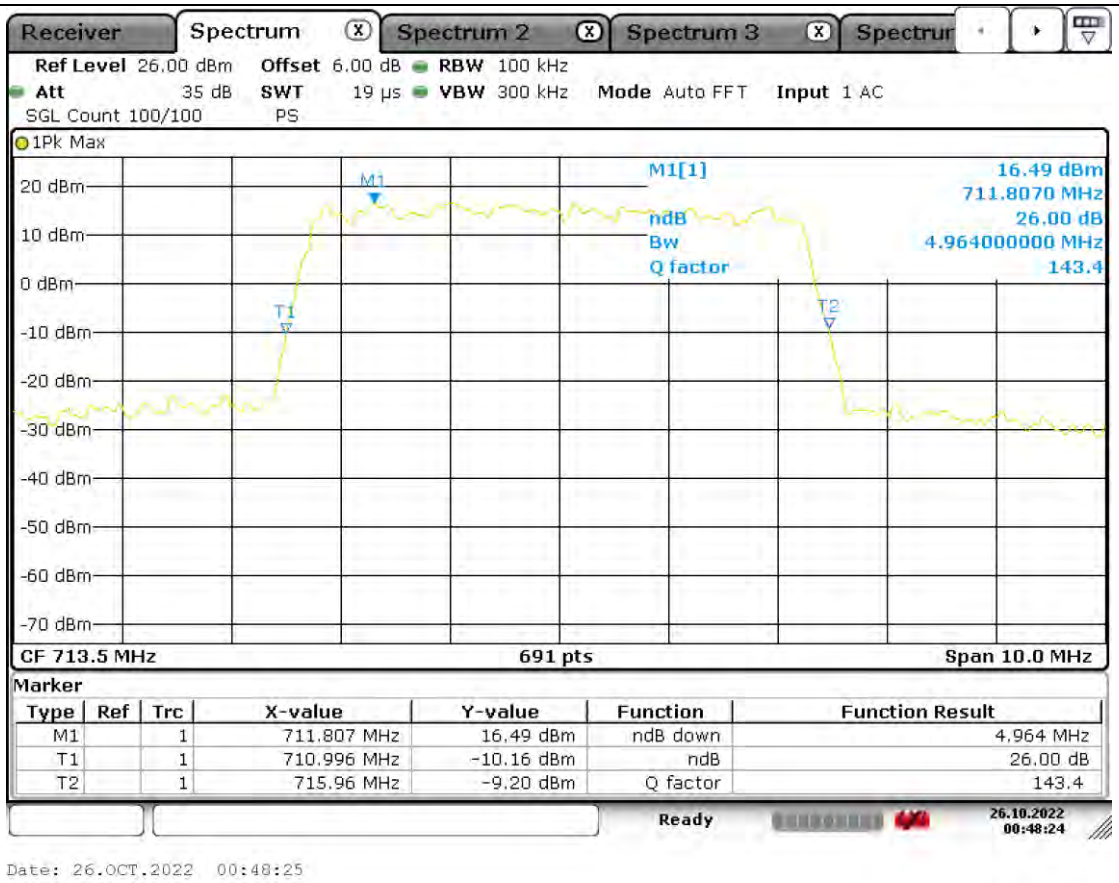
Band12-5MHz-QPSK-23035-25RB#0



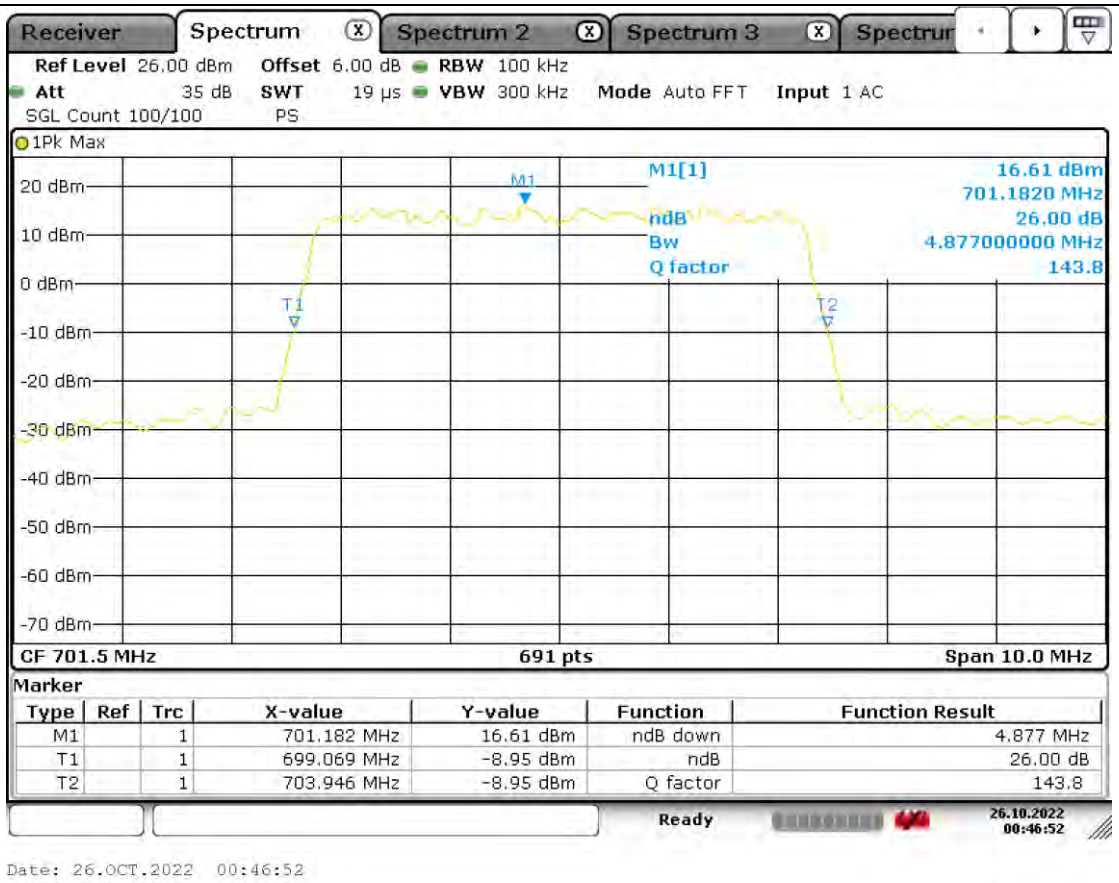
Band12-5MHz-QPSK-23095-25RB#0



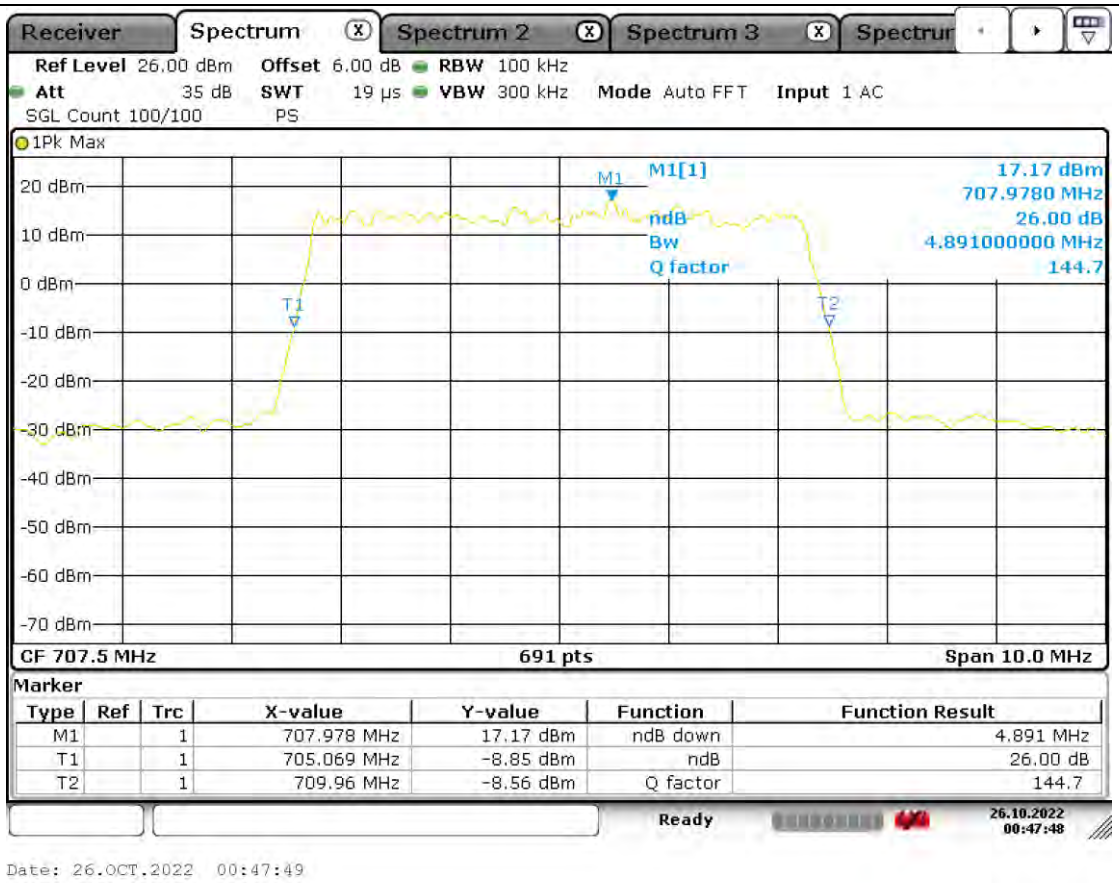
Band12-5MHz-QPSK-23155-25RB#0



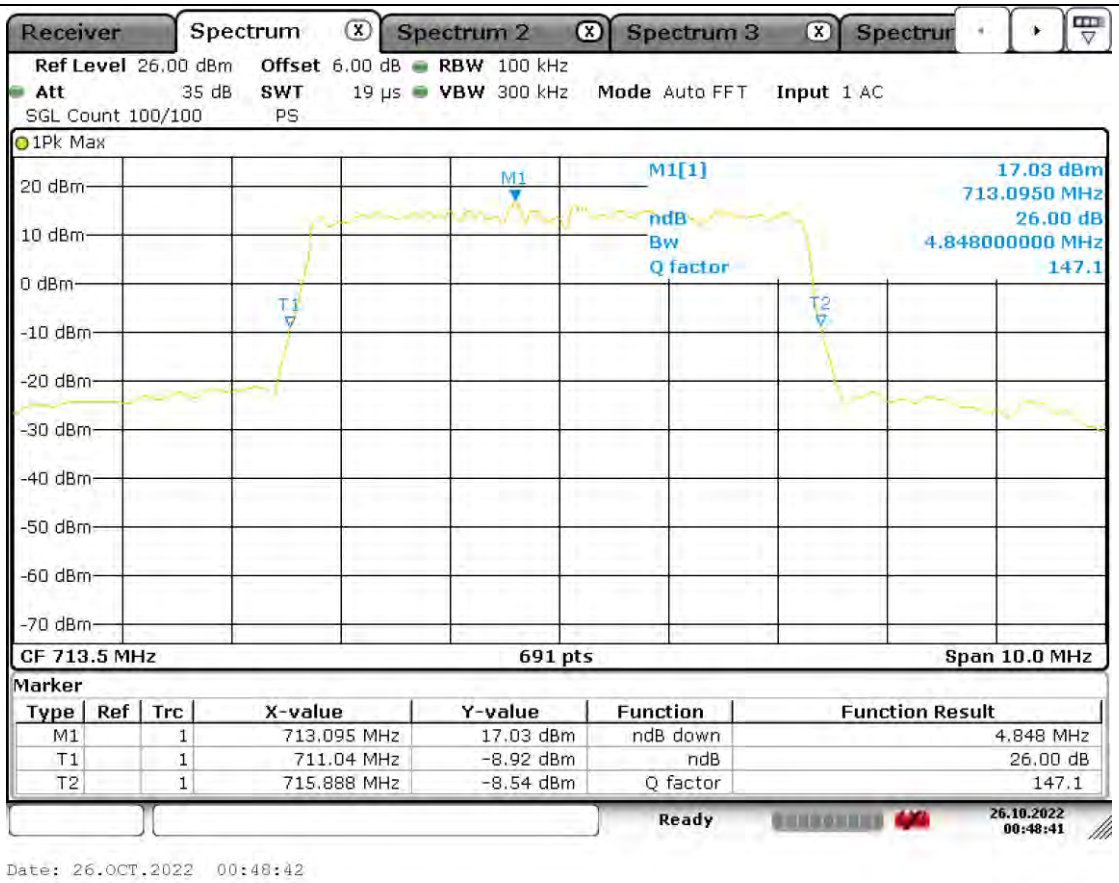
Band12-5MHz-16QAM-23035-25RB#0



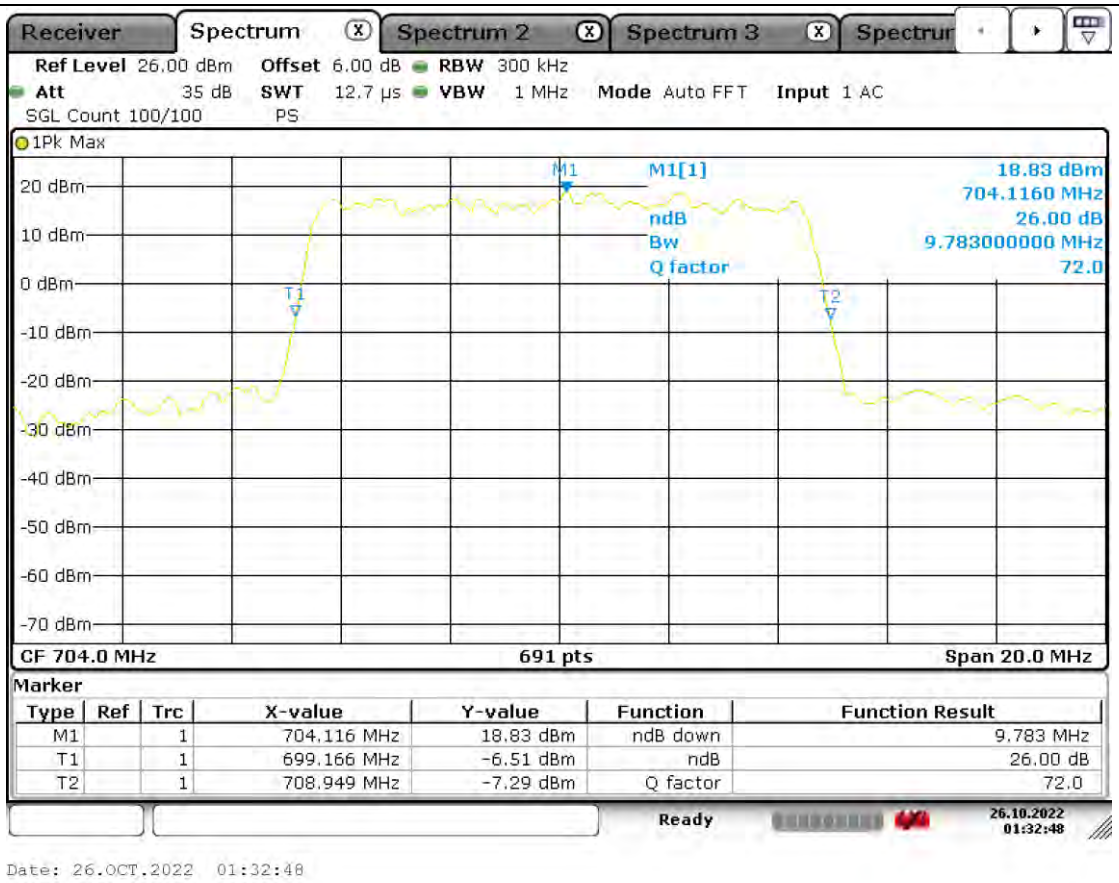
Band12-5MHz-16QAM-23095-25RB#0



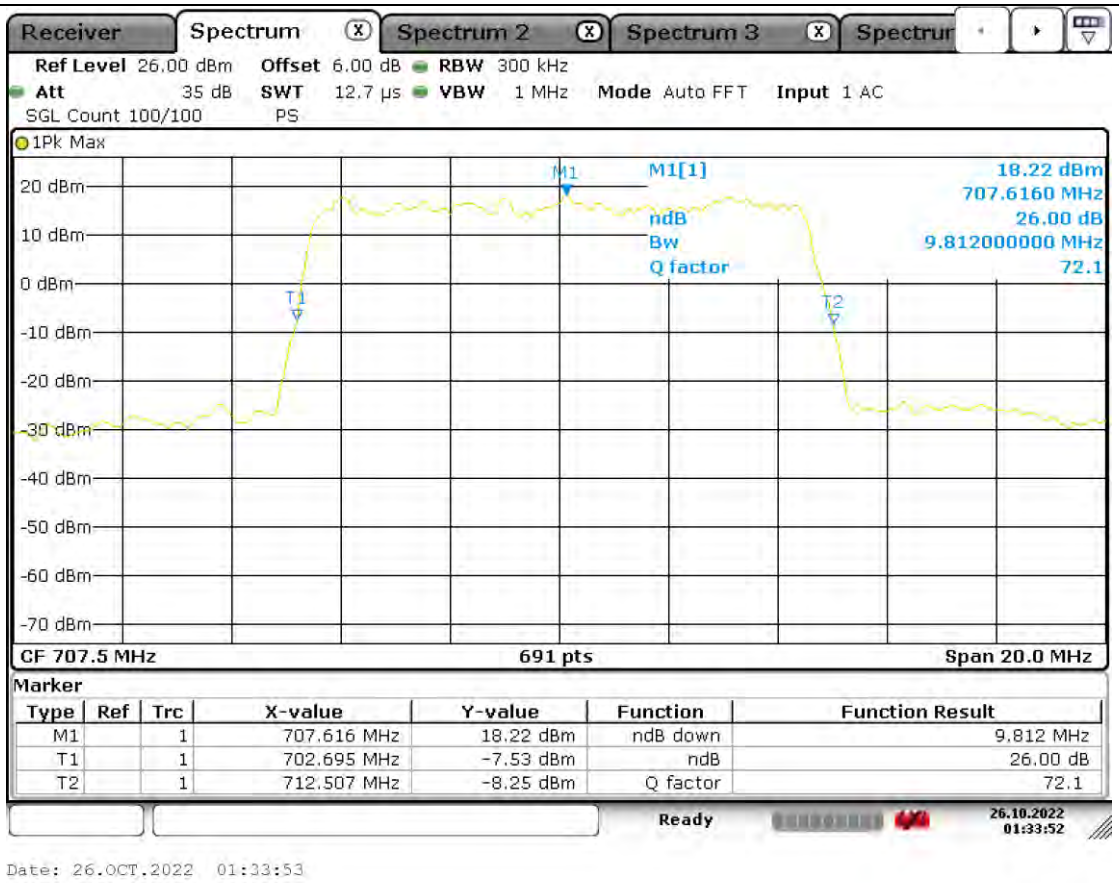
Band12-5MHz-16QAM-23155-25RB#0



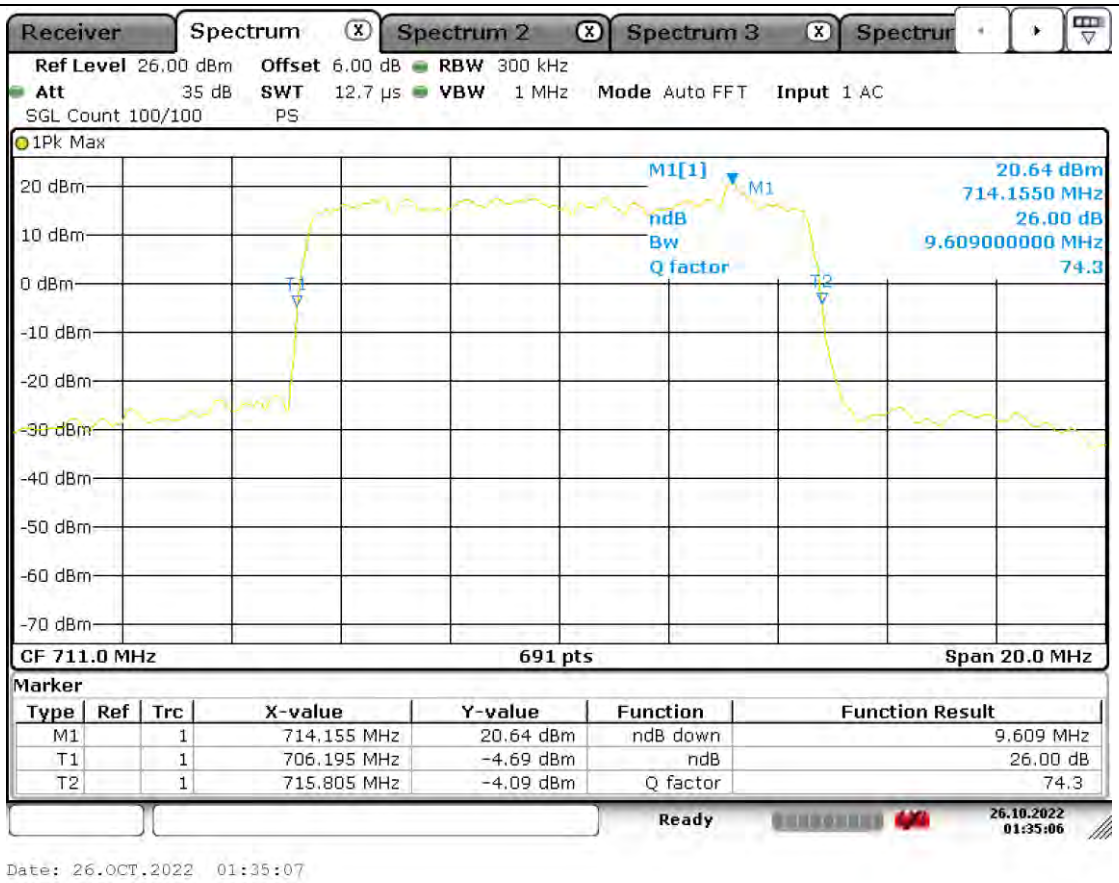
Band12-10MHz-QPSK-23060-50RB#0



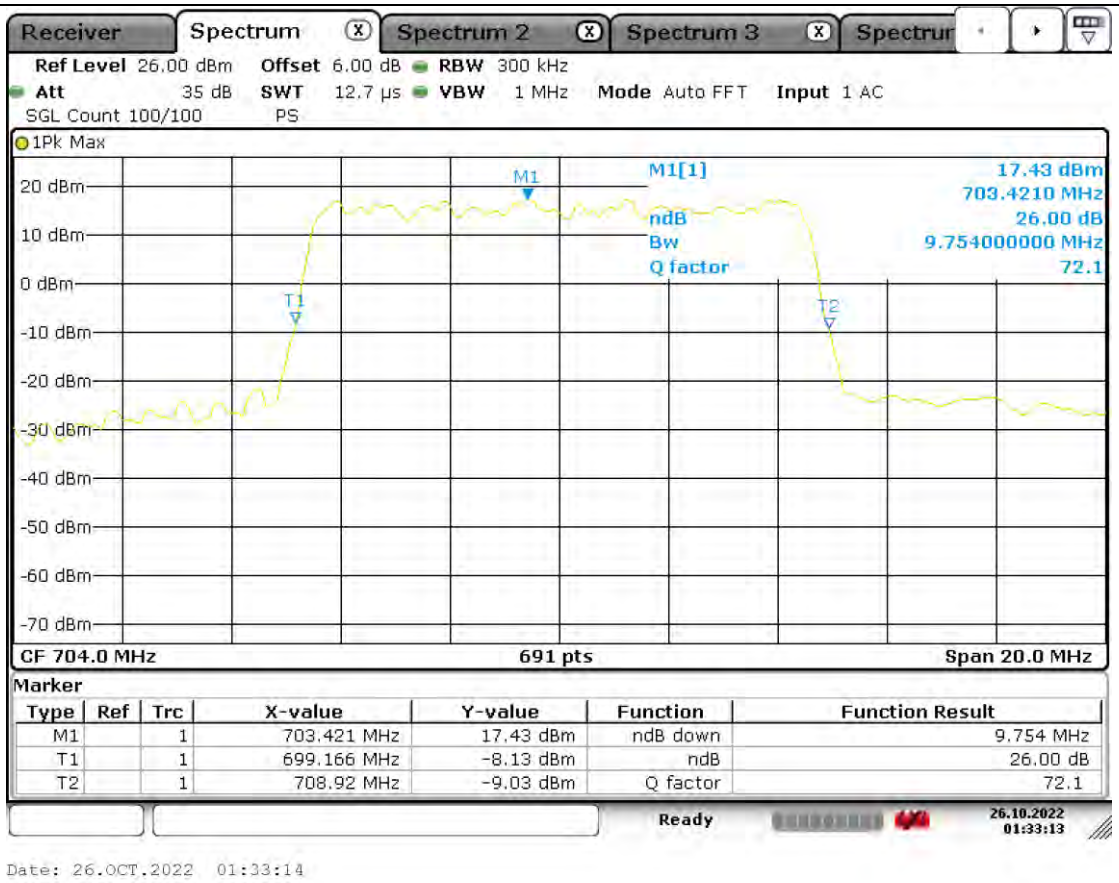
Band12-10MHz-QPSK-23095-50RB#0



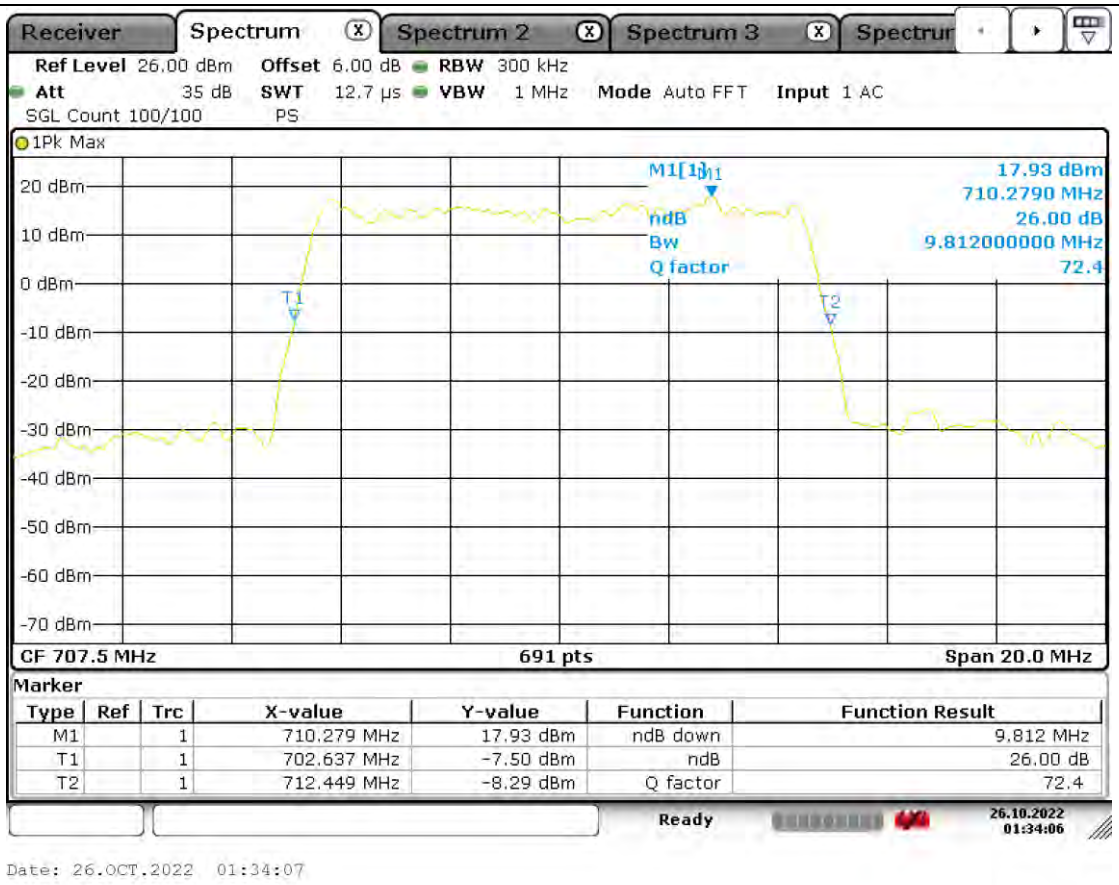
Band12-10MHz-QPSK-23130-50RB#0



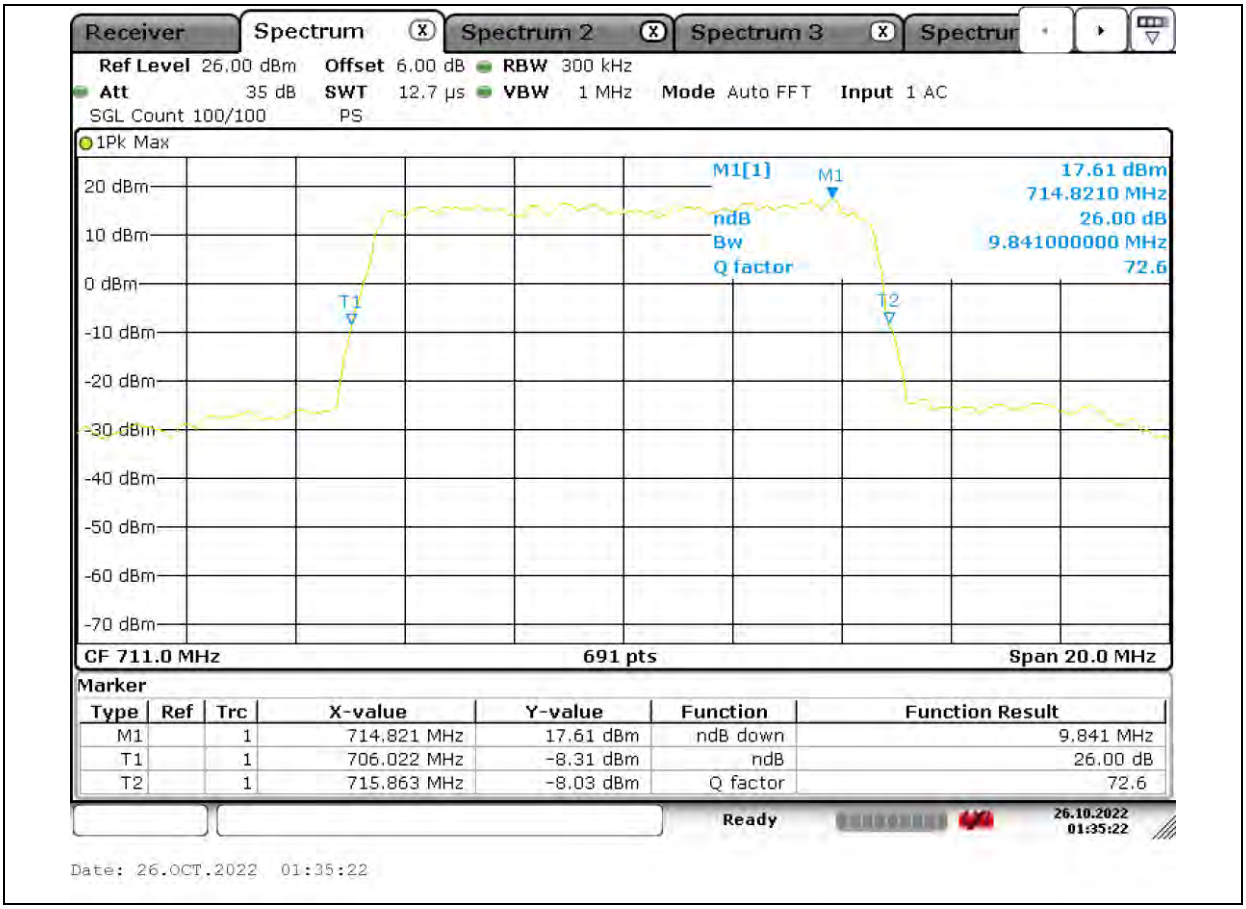
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



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


Receiver
Spectrum
Spectrum 2
Spectrum 3
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[1] 17.61 dBm
714.8210 MHz
ndB 26.00 dB
Bw 9.841000000 MHz
Q factor 72.6
M1
T1
T2
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 711.0 MHz
691 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 714.821 MHz 17.61 dBm ndB down 9.841 MHz
T1 1 706.022 MHz -8.31 dBm ndB 26.00 dB
T2 1 715.863 MHz -8.03 dBm Q factor 72.6
Ready
26.10.2022
01:35:22
Date: 26.OCT.2022 01:35:22

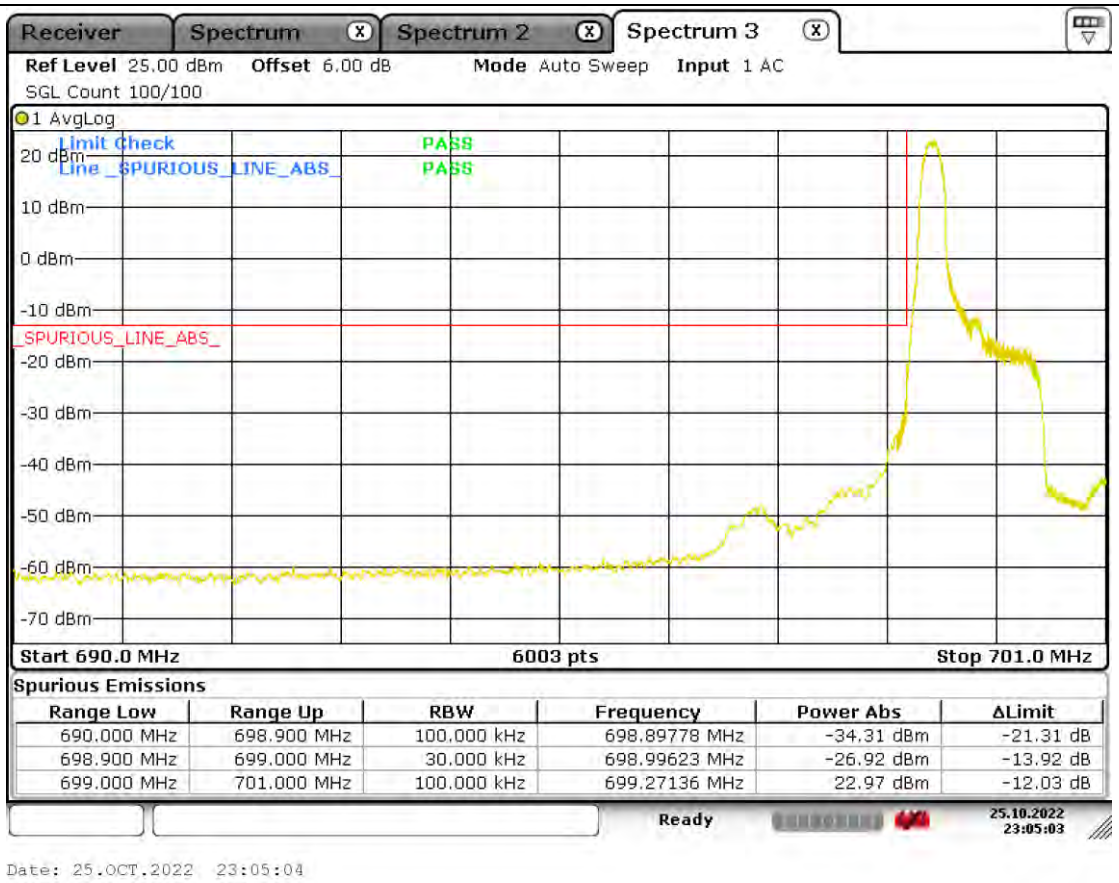
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-26.92	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-34.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.84	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-32.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-29.3	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-36.54	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-28.03	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-34.33	PASS
Band12	3MHz	QPSK	23025	1RB#0	-14.55	PASS
Band12	3MHz	QPSK	23025	15RB#0	-26.83	PASS
Band12	3MHz	QPSK	23165	1RB#14	-16.32	PASS
Band12	3MHz	QPSK	23165	15RB#0	-26.91	PASS
Band12	3MHz	16QAM	23025	1RB#0	-16.43	PASS
Band12	3MHz	16QAM	23025	15RB#0	-28.41	PASS
Band12	3MHz	16QAM	23165	1RB#14	-18.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	-27.31	PASS
Band12	5MHz	QPSK	23035	1RB#0	-23.79	PASS
Band12	5MHz	QPSK	23035	25RB#0	-35.05	PASS
Band12	5MHz	QPSK	23155	1RB#24	-23.11	PASS
Band12	5MHz	QPSK	23155	25RB#0	-35.79	PASS
Band12	5MHz	16QAM	23035	1RB#0	-23.7	PASS
Band12	5MHz	16QAM	23035	25RB#0	-36.68	PASS
Band12	5MHz	16QAM	23155	1RB#24	-24.7	PASS
Band12	5MHz	16QAM	23155	25RB#0	-36.66	PASS
Band12	10MHz	QPSK	23060	1RB#0	-29.31	PASS
Band12	10MHz	QPSK	23060	50RB#0	-40.83	PASS
Band12	10MHz	QPSK	23130	1RB#49	-29.31	PASS
Band12	10MHz	QPSK	23130	50RB#0	-40.87	PASS
Band12	10MHz	16QAM	23060	1RB#0	-29.56	PASS
Band12	10MHz	16QAM	23060	50RB#0	-39.8	PASS
Band12	10MHz	16QAM	23130	1RB#49	-29.93	PASS
Band12	10MHz	16QAM	23130	50RB#0	-40.6	PASS

Test Graphs

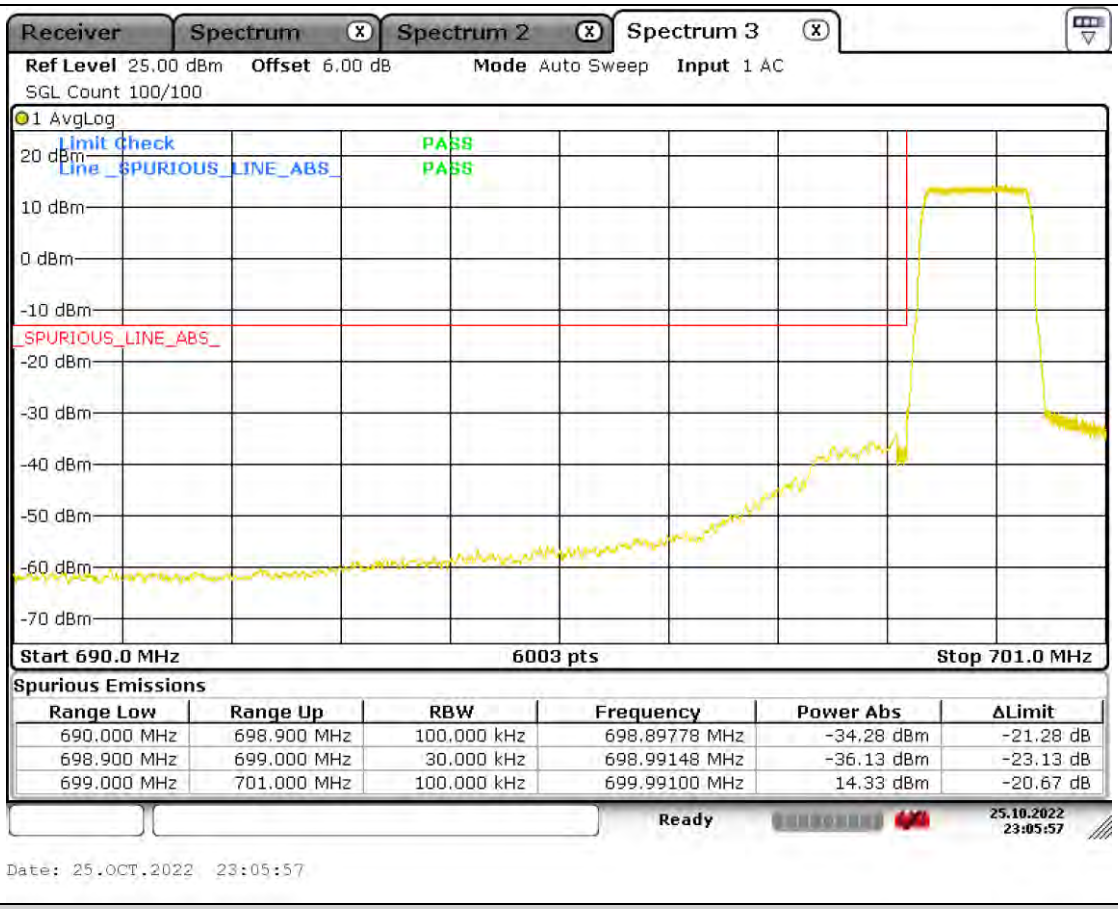
Band12-1.4MHz-QPSK-23017-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-34.31 dBm	-21.31 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99623 MHz	-26.92 dBm	-13.92 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.27136 MHz	22.97 dBm	-12.03 dB

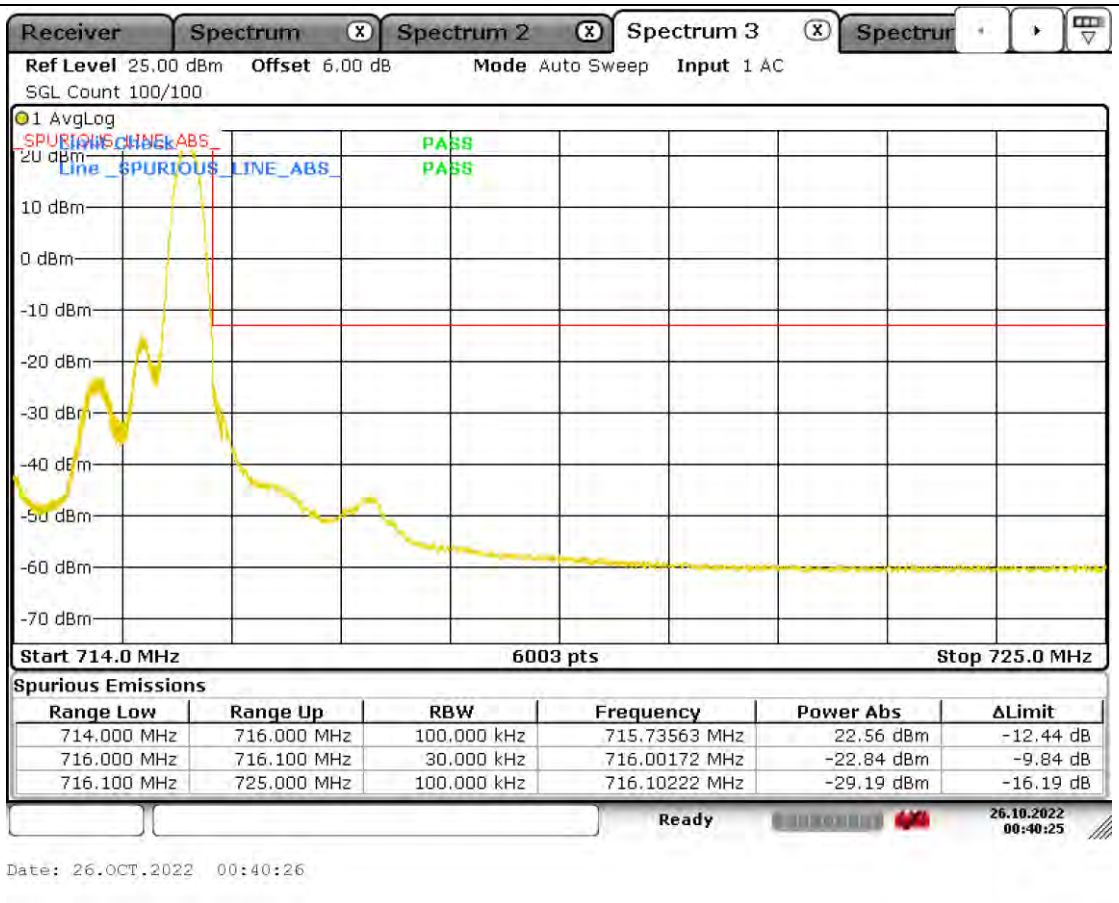
Band12-1.4MHz-QPSK-23017-6RB#0



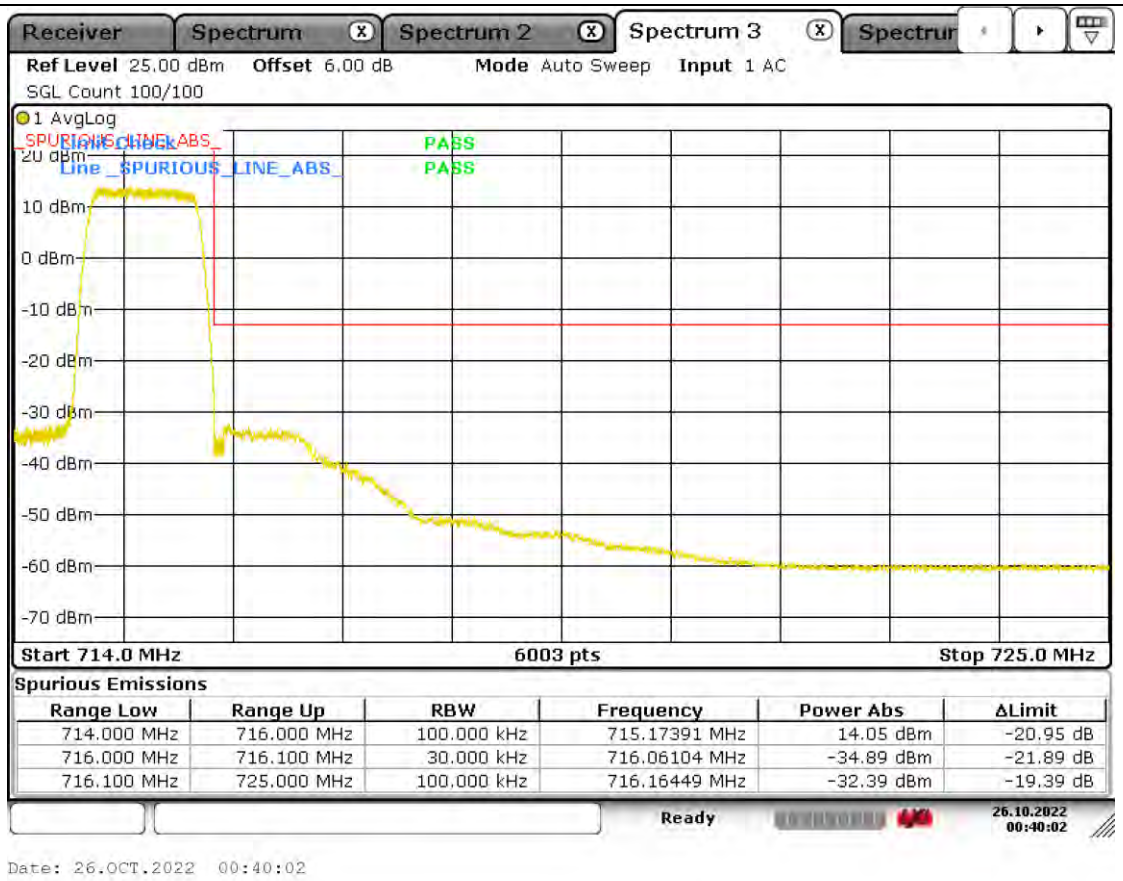
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-34.28 dBm	-21.28 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99148 MHz	-36.13 dBm	-23.13 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.99100 MHz	14.33 dBm	-20.67 dB

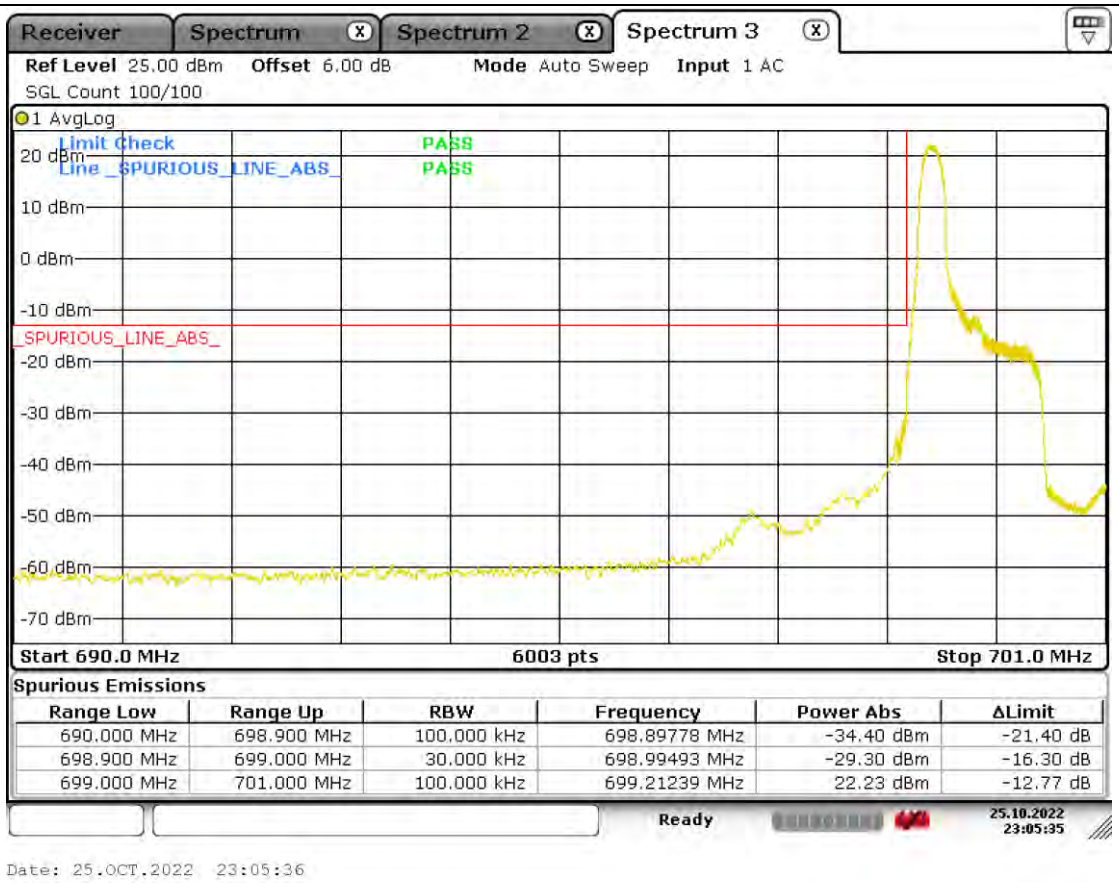
Band12-1.4MHz-QPSK-23173-1RB#5



Band12-1.4MHz-QPSK-23173-6RB#0



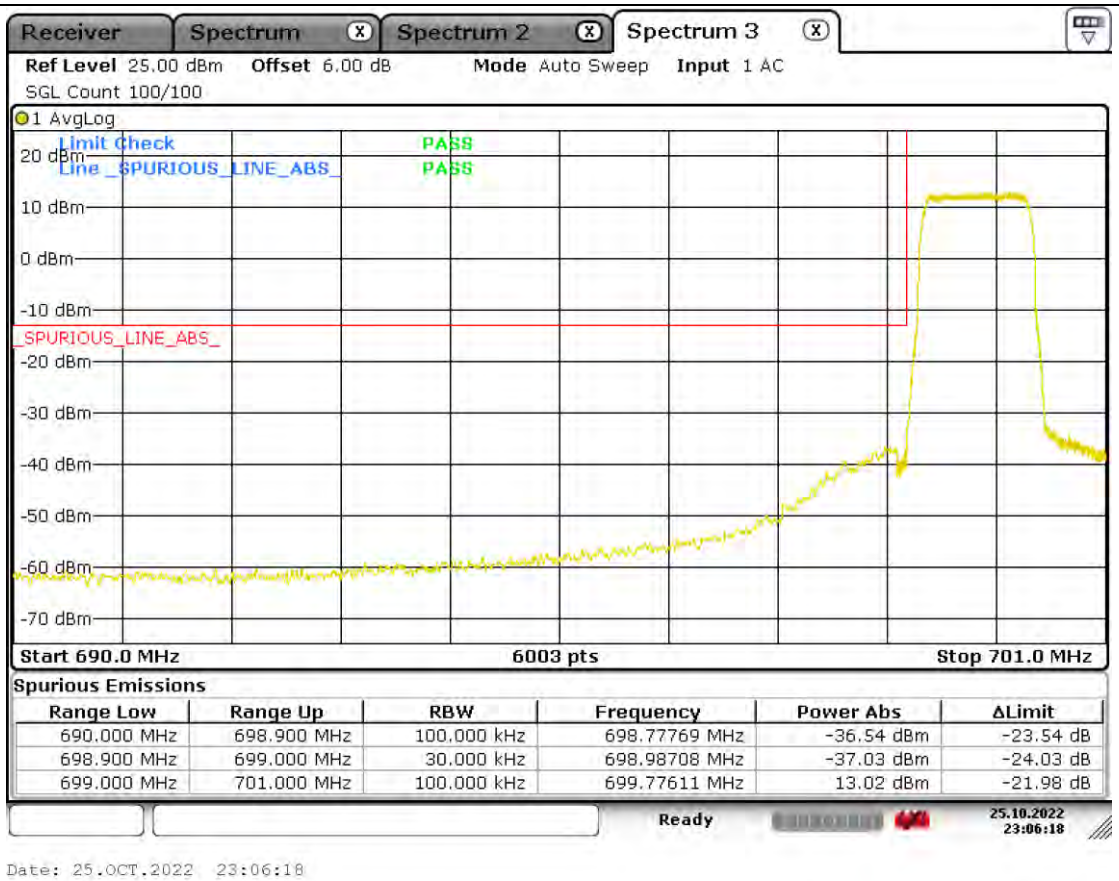
Band12-1.4MHz-16QAM-23017-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-34.40 dBm	-21.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99493 MHz	-29.30 dBm	-16.30 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.21239 MHz	22.23 dBm	-12.77 dB

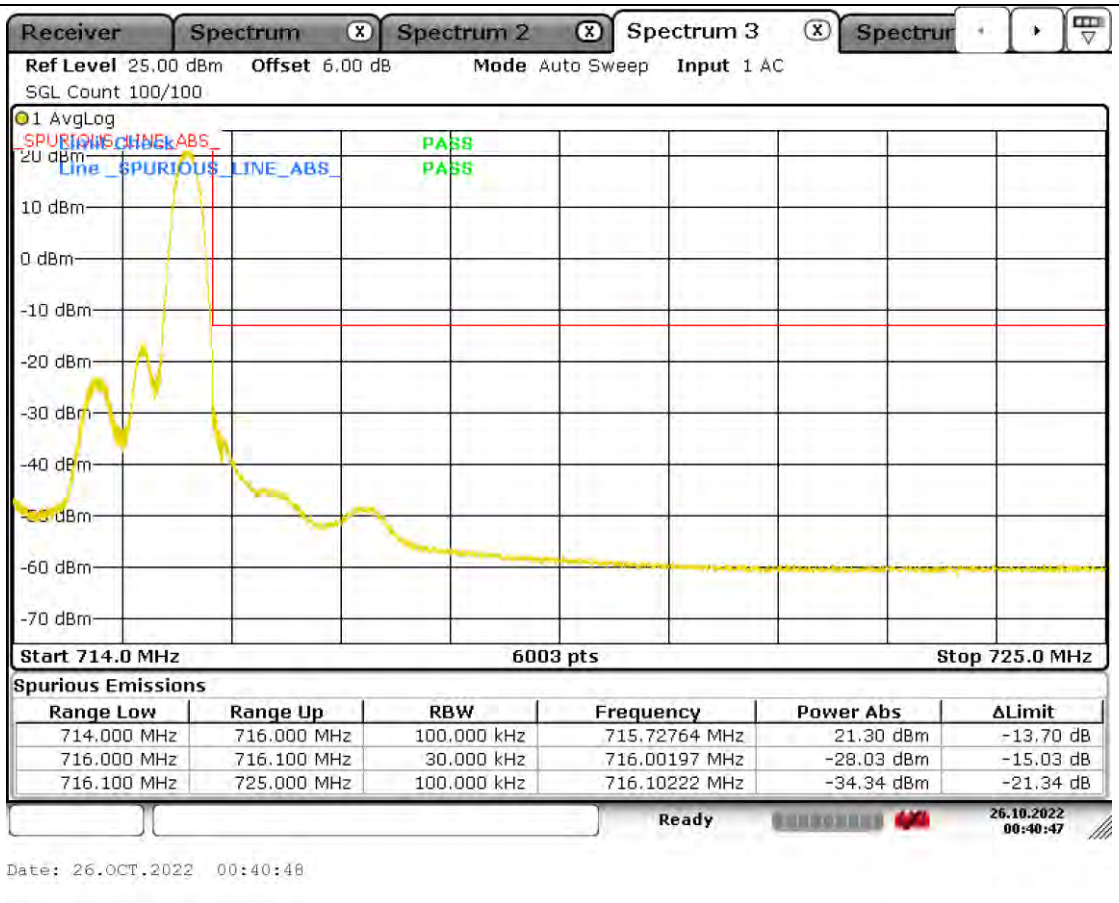
Band12-1.4MHz-16QAM-23017-6RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.77769 MHz	-36.54 dBm	-23.54 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98708 MHz	-37.03 dBm	-24.03 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.77611 MHz	13.02 dBm	-21.98 dB

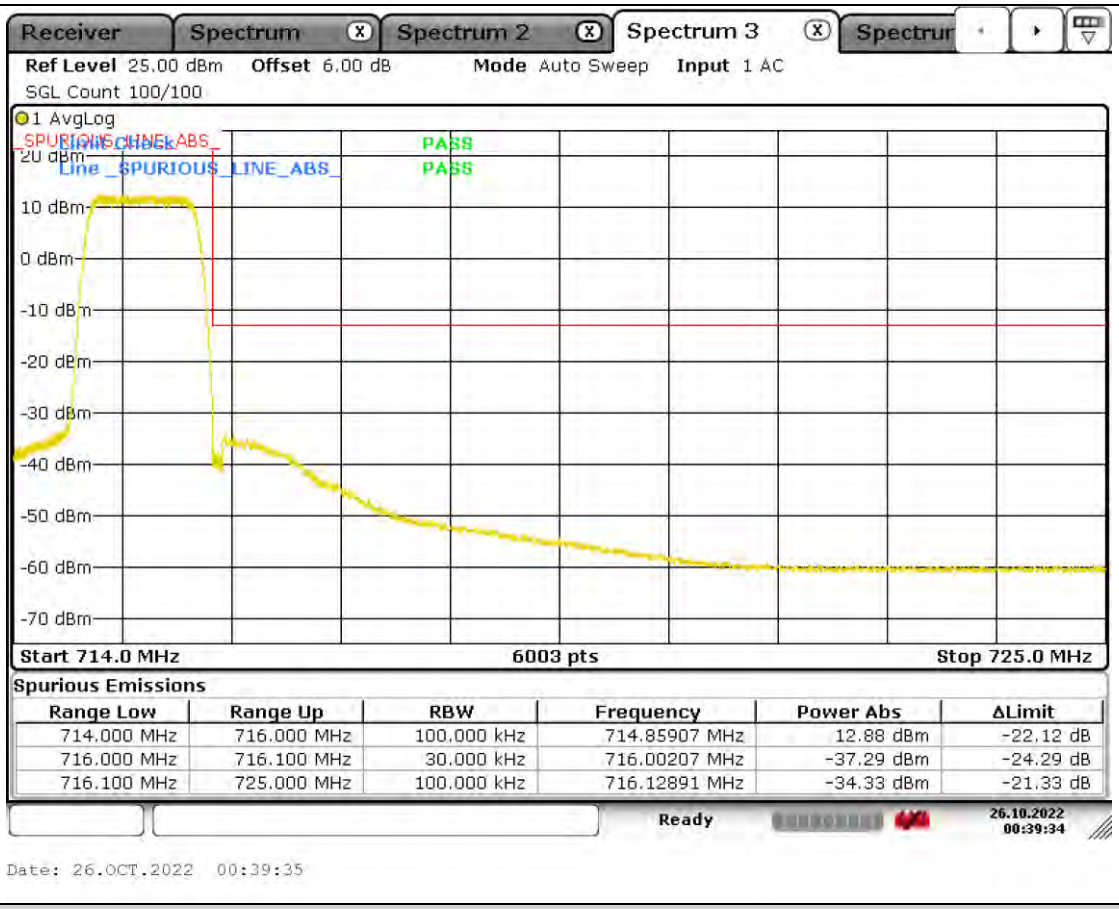
Band12-1.4MHz-16QAM-23173-1RB#5



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.72764 MHz	21.30 dBm	-13.70 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00197 MHz	-28.03 dBm	-15.03 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-34.34 dBm	-21.34 dB

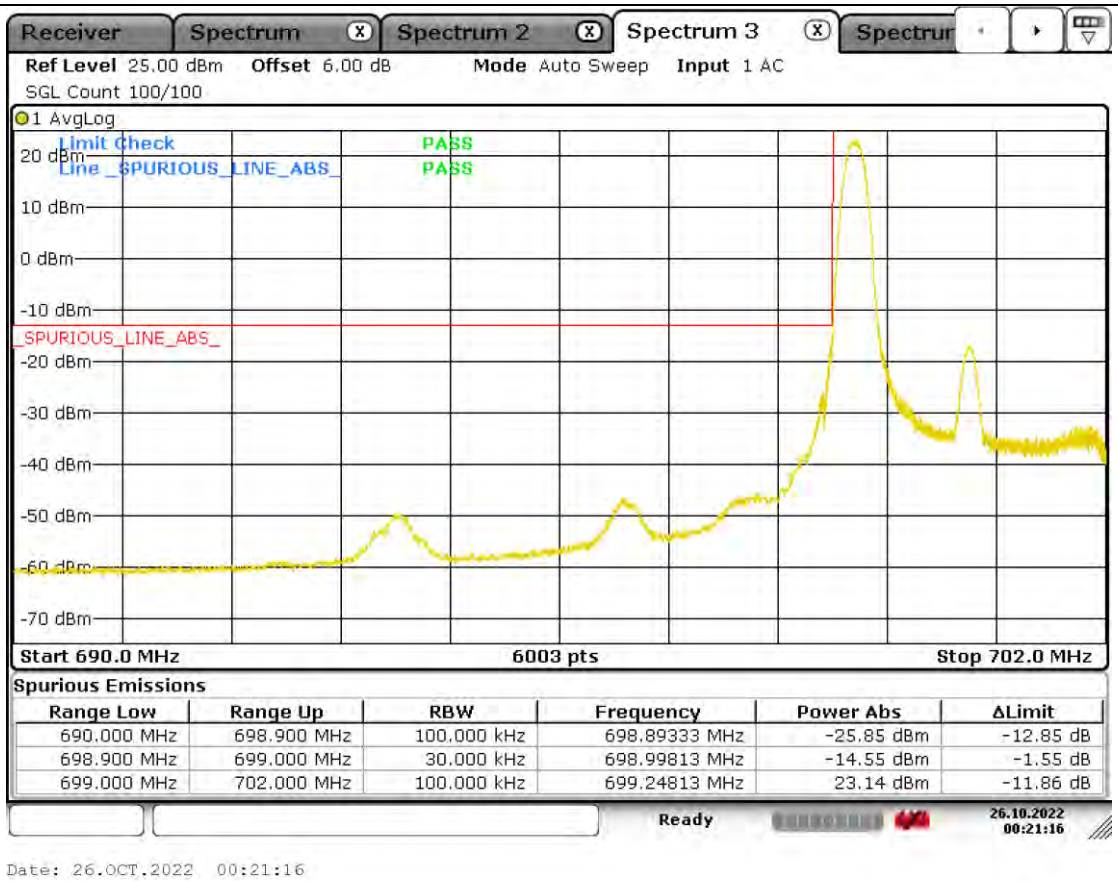
Band12-1.4MHz-16QAM-23173-6RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.85907 MHz	12.88 dBm	-22.12 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00207 MHz	-37.29 dBm	-24.29 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12891 MHz	-34.33 dBm	-21.33 dB

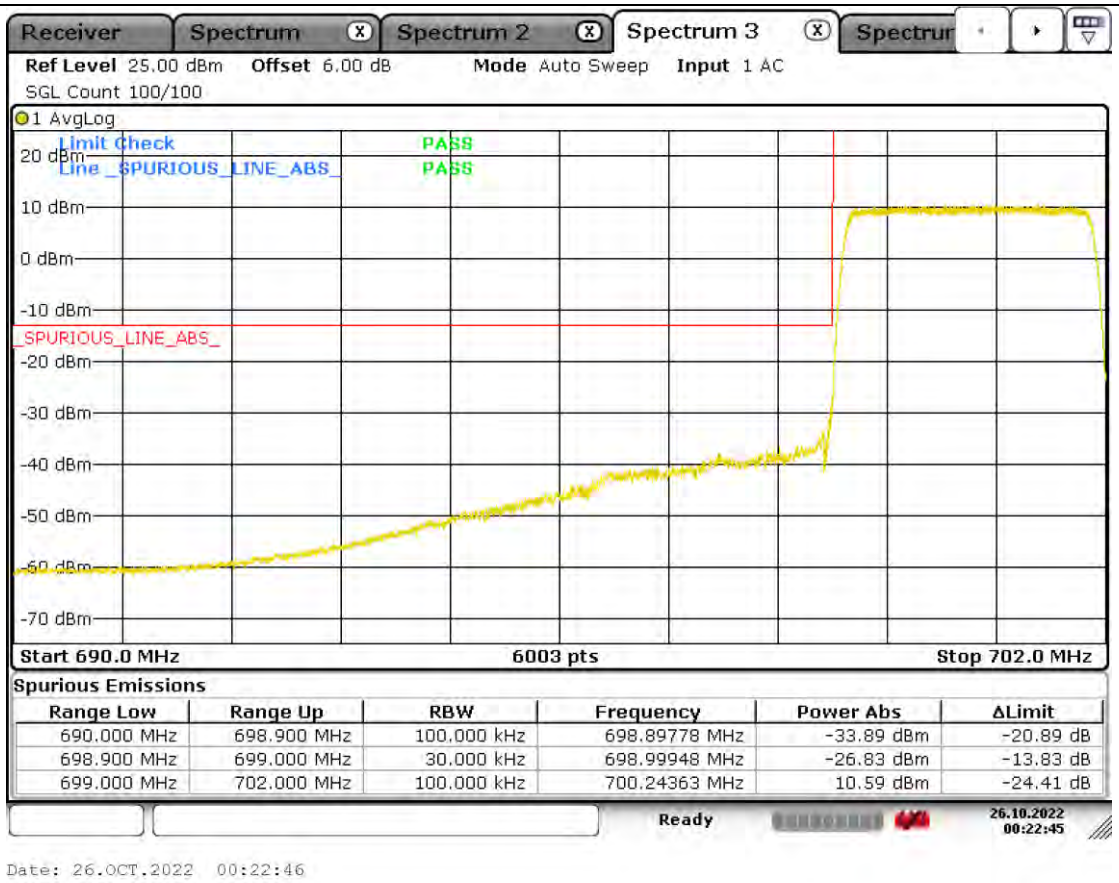
Band12-3MHz-QPSK-23025-1RB#0



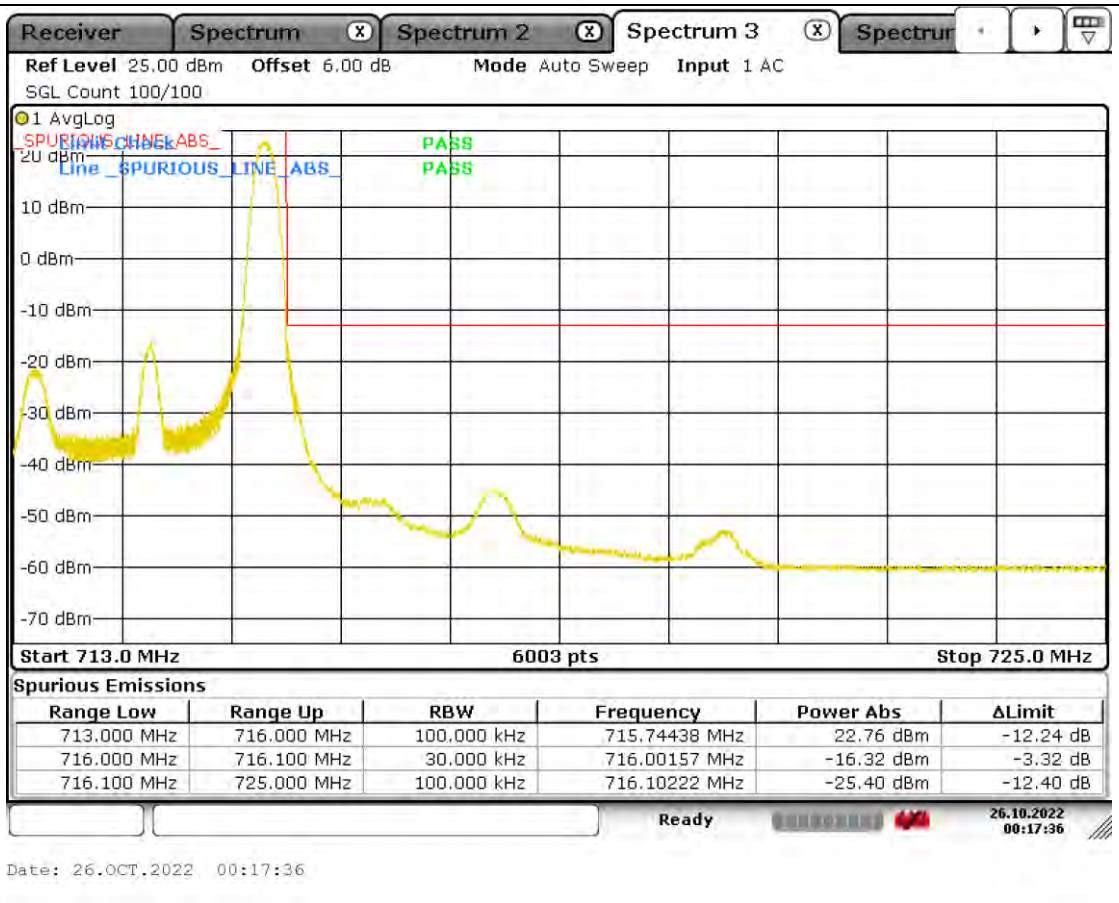
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89333 MHz	-25.85 dBm	-12.85 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99813 MHz	-14.55 dBm	-1.55 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24813 MHz	23.14 dBm	-11.86 dB

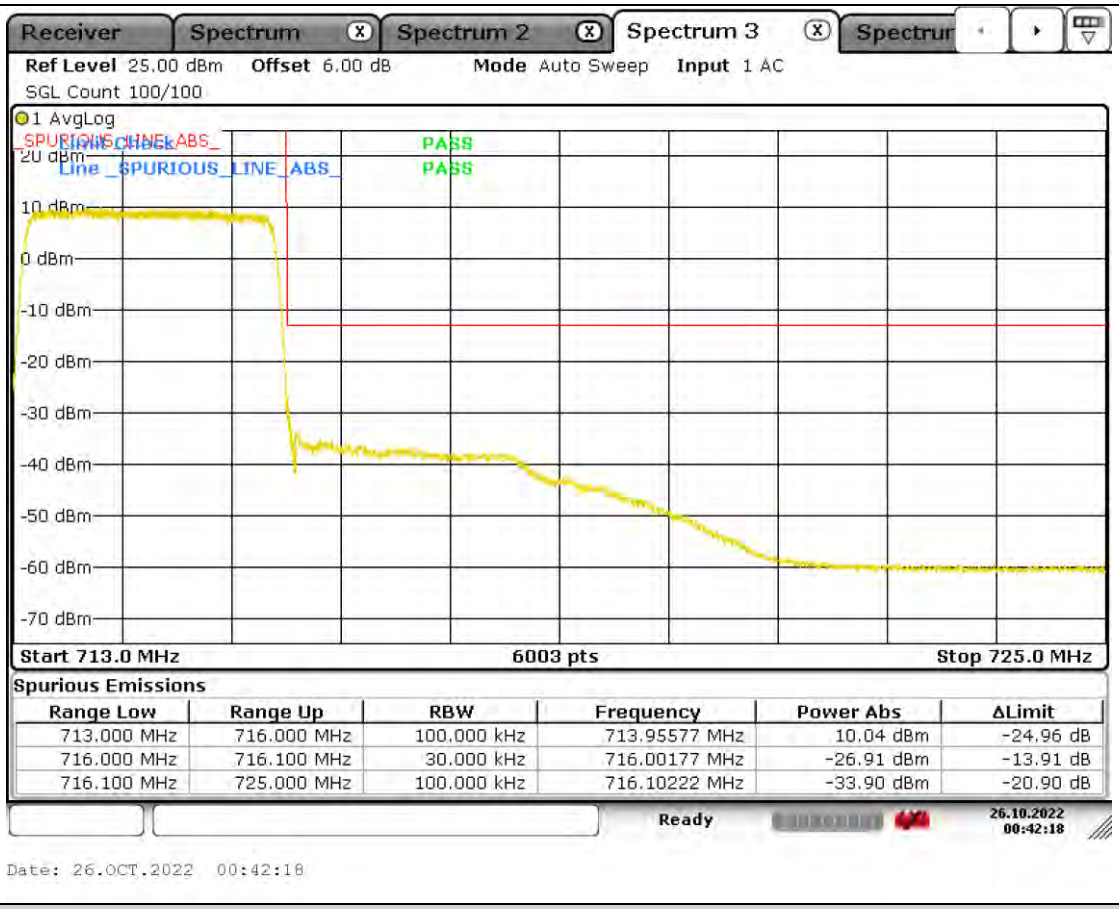
Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23165-1RB#14



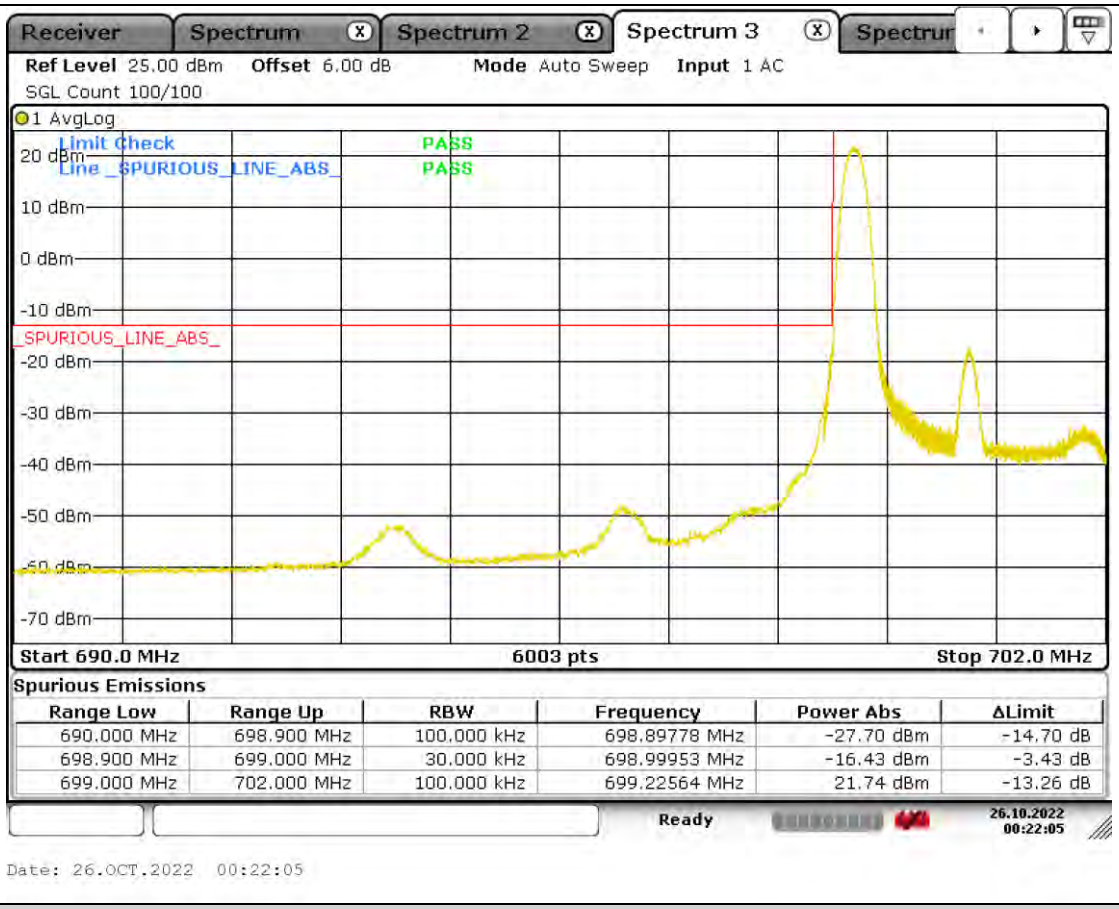
Band12-3MHz-QPSK-23165-15RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.95577 MHz	10.04 dBm	-24.96 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00177 MHz	-26.91 dBm	-13.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-33.90 dBm	-20.90 dB

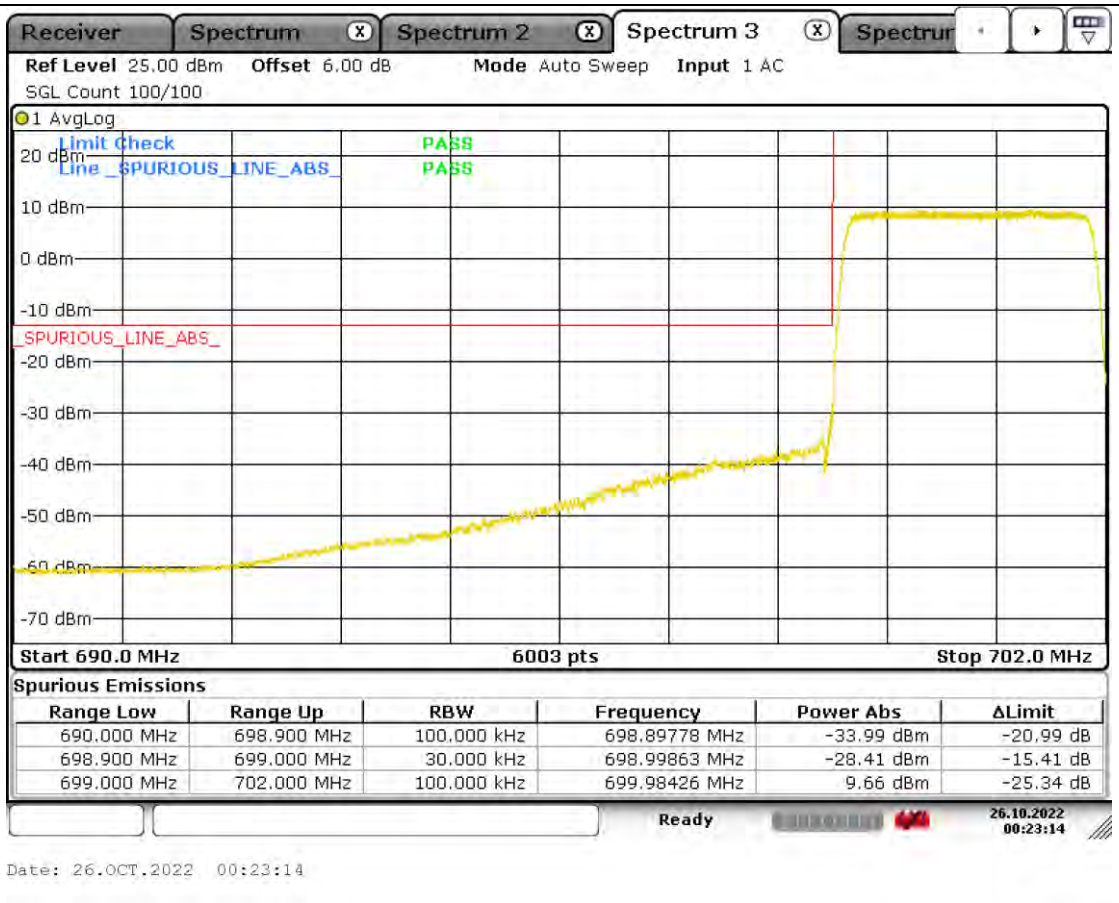
Band12-3MHz-16QAM-23025-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-27.70 dBm	-14.70 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99953 MHz	-16.43 dBm	-3.43 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.22564 MHz	21.74 dBm	-13.26 dB

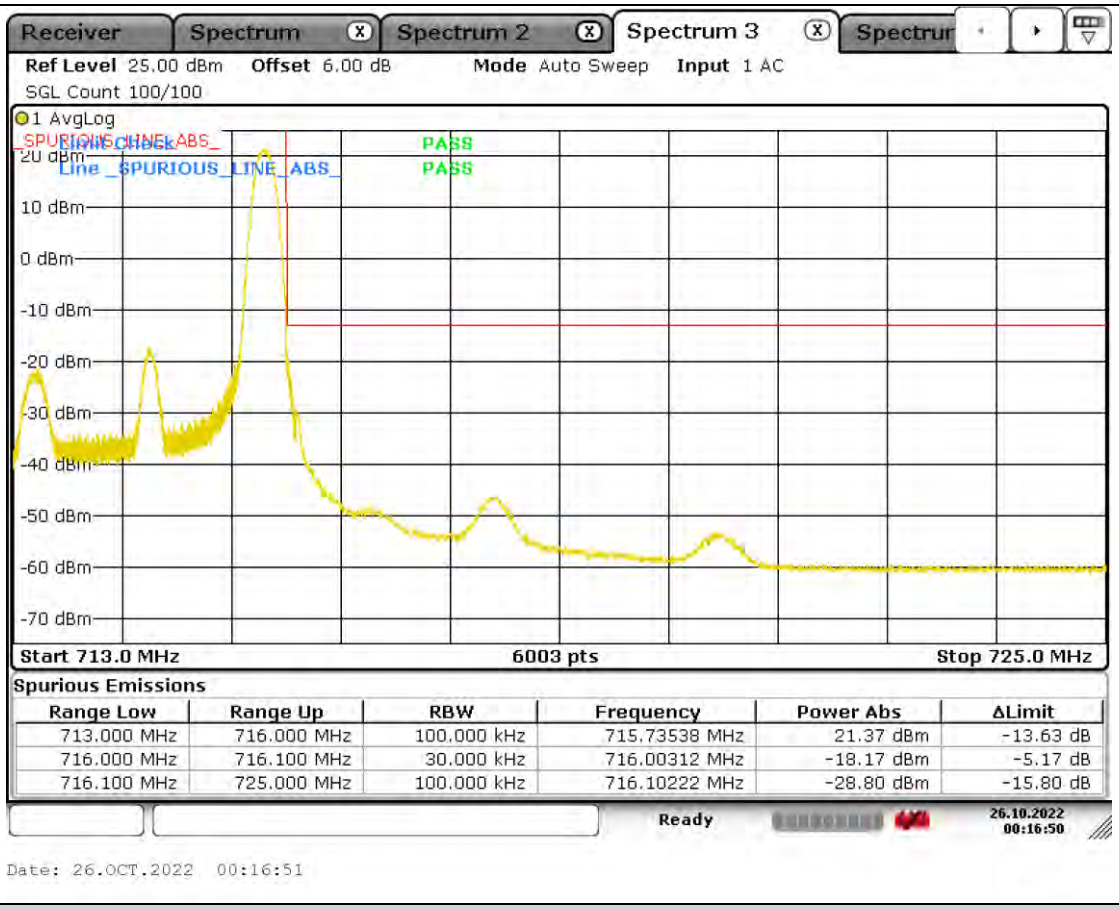
Band12-3MHz-16QAM-23025-15RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-33.99 dBm	-20.99 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99863 MHz	-28.41 dBm	-15.41 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.98426 MHz	9.66 dBm	-25.34 dB

Band12-3MHz-16QAM-23165-1RB#14



Spurious Emissions

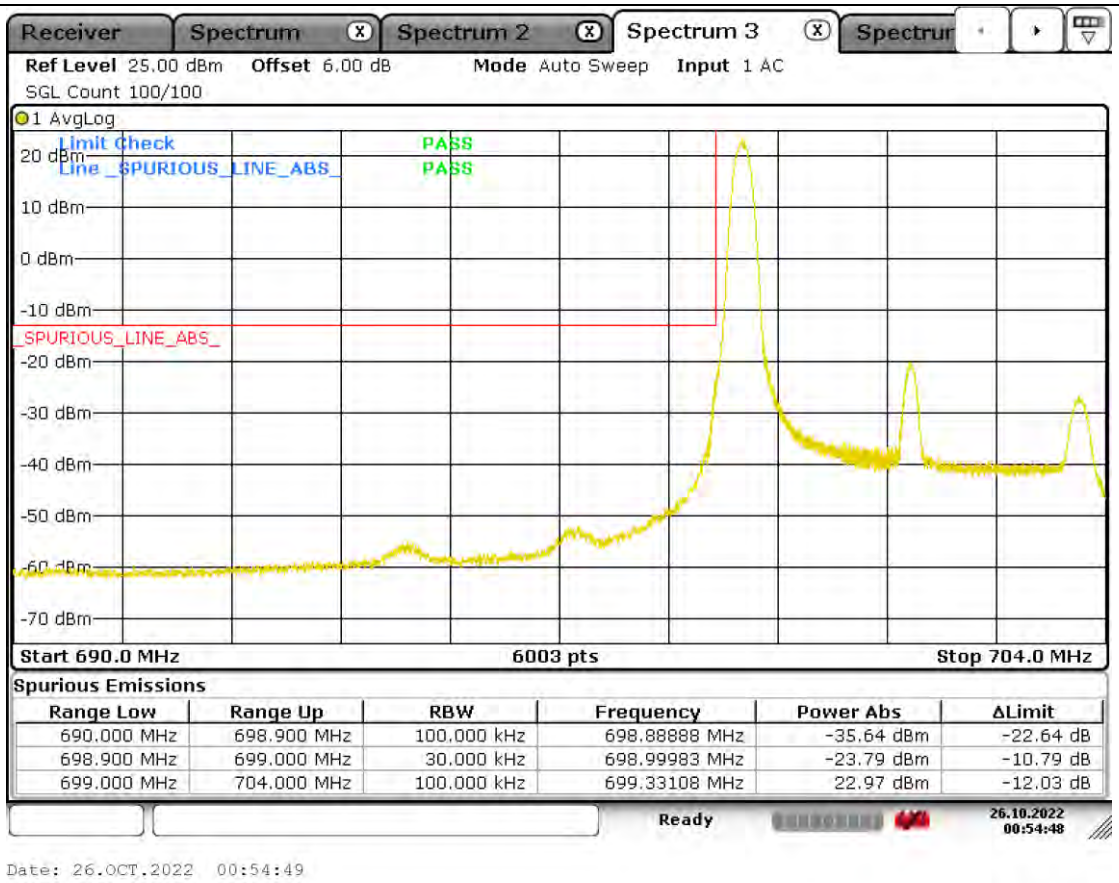
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.73538 MHz	21.37 dBm	-13.63 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00312 MHz	-18.17 dBm	-5.17 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10222 MHz	-28.80 dBm	-15.80 dB

Band12-3MHz-16QAM-23165-15RB#0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.59745 MHz	9.19 dBm	-25.81 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00137 MHz	-27.31 dBm	-14.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10667 MHz	-33.78 dBm	-20.78 dB

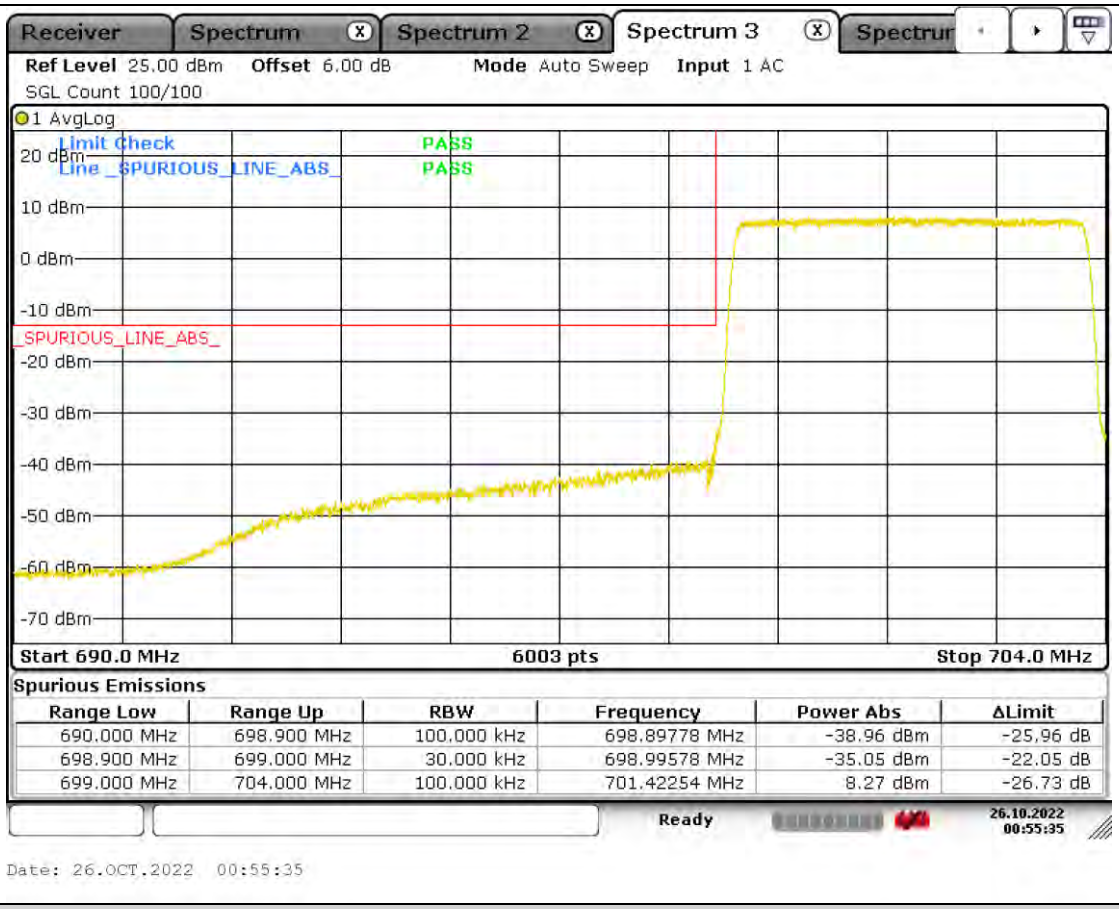
Band12-5MHz-QPSK-23035-1RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88888 MHz	-35.64 dBm	-22.64 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99983 MHz	-23.79 dBm	-10.79 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33108 MHz	22.97 dBm	-12.03 dB

Band12-5MHz-QPSK-23035-25RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89778 MHz	-38.96 dBm	-25.96 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99578 MHz	-35.05 dBm	-22.05 dB
699.000 MHz	704.000 MHz	100.000 kHz	701.42254 MHz	8.27 dBm	-26.73 dB

Band12-5MHz-QPSK-23155-1RB#24