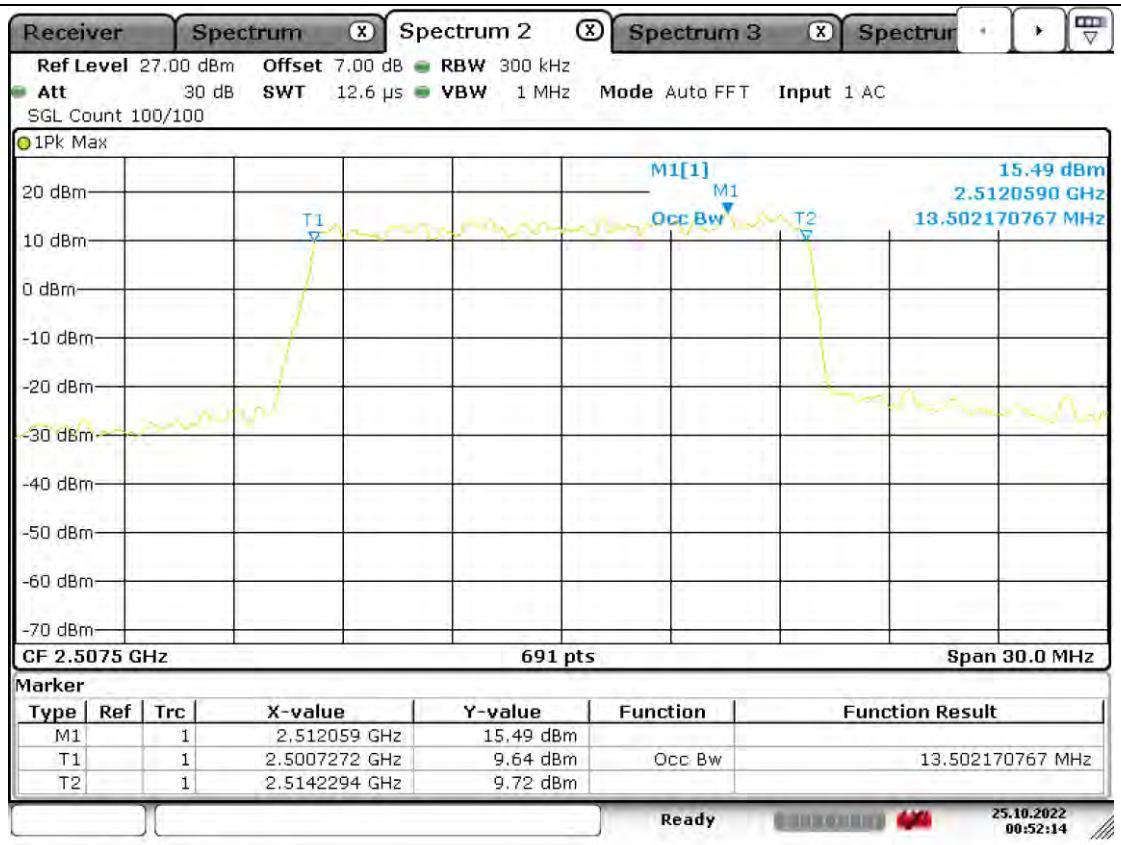
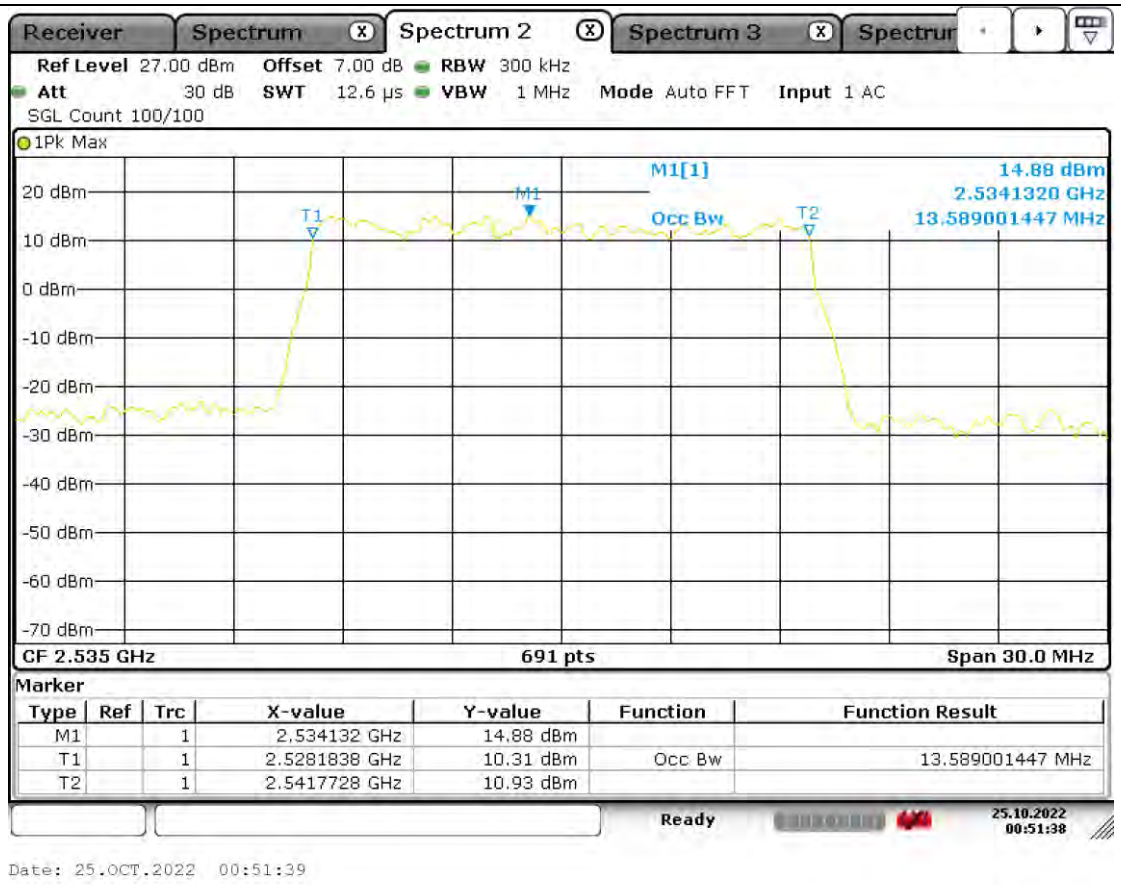
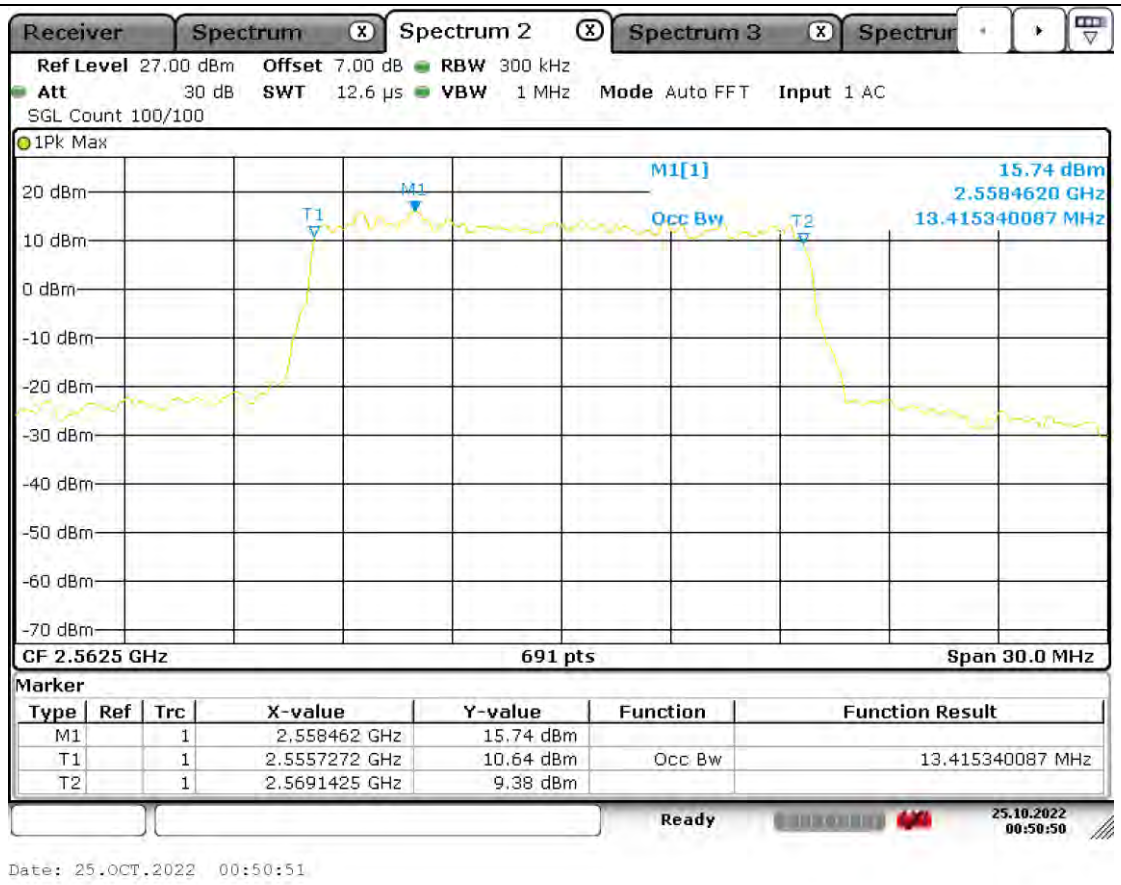


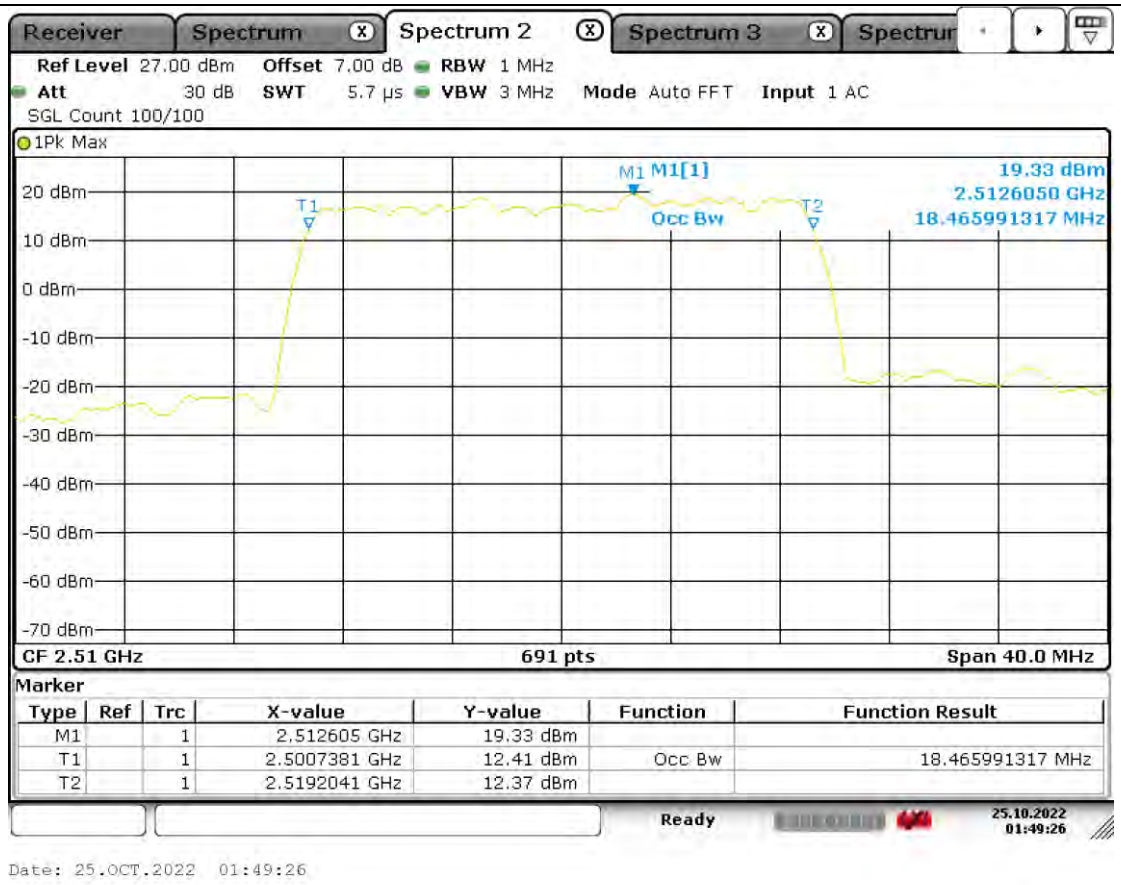
Band7-15MHz-16QAM-21100-75RB#0



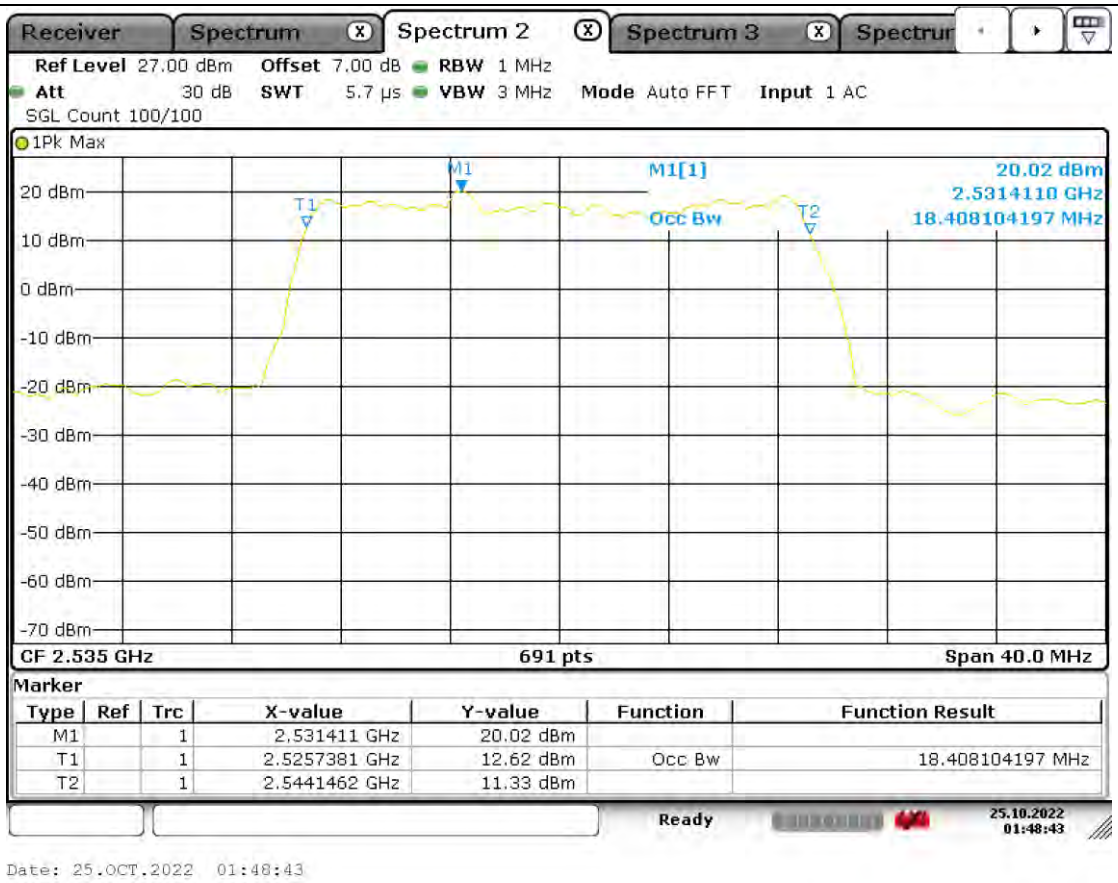
Band7-15MHz-16QAM-21375-75RB#0



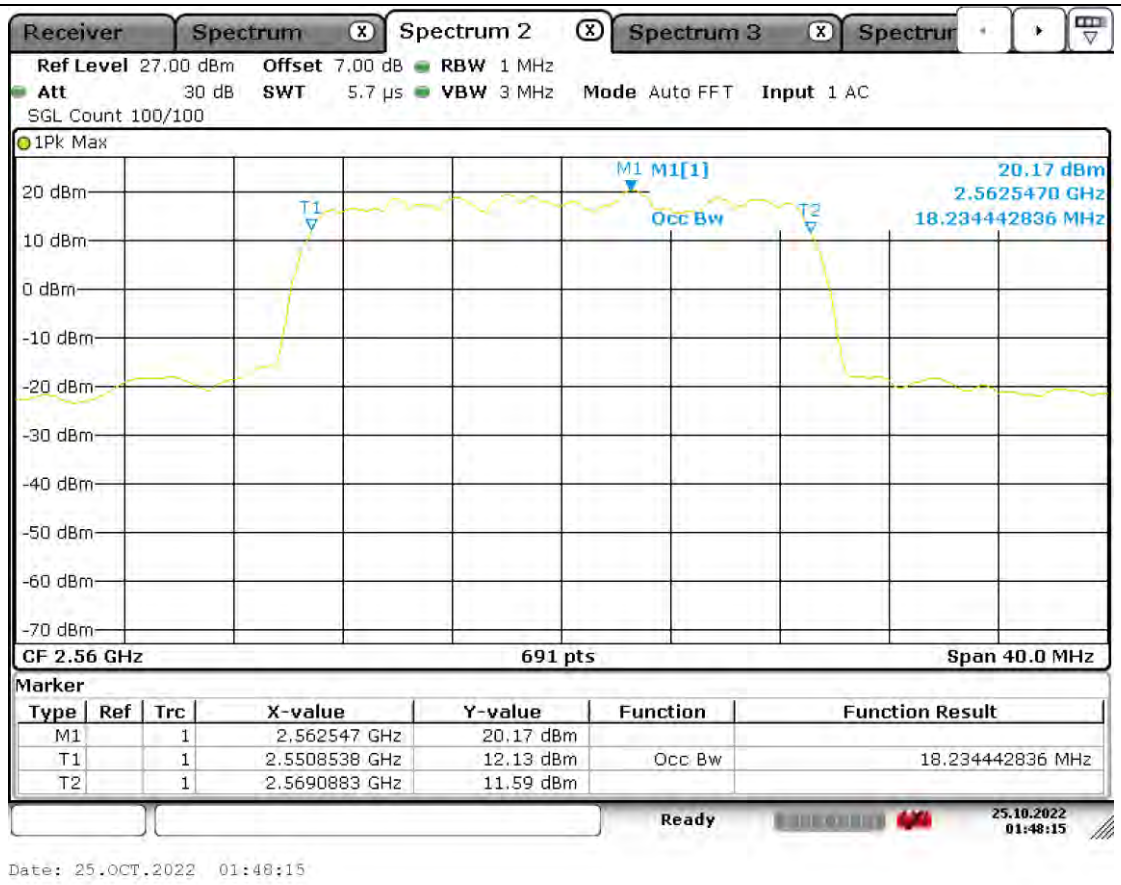
Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0



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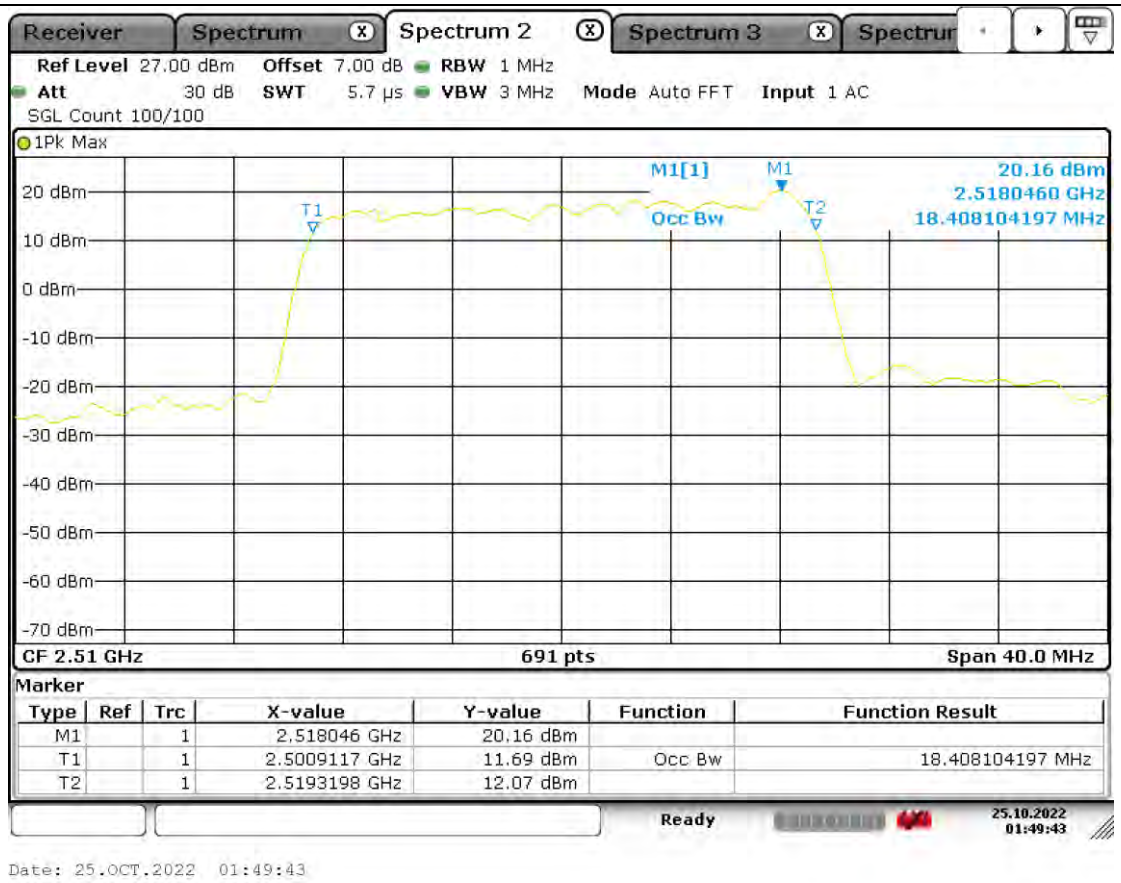
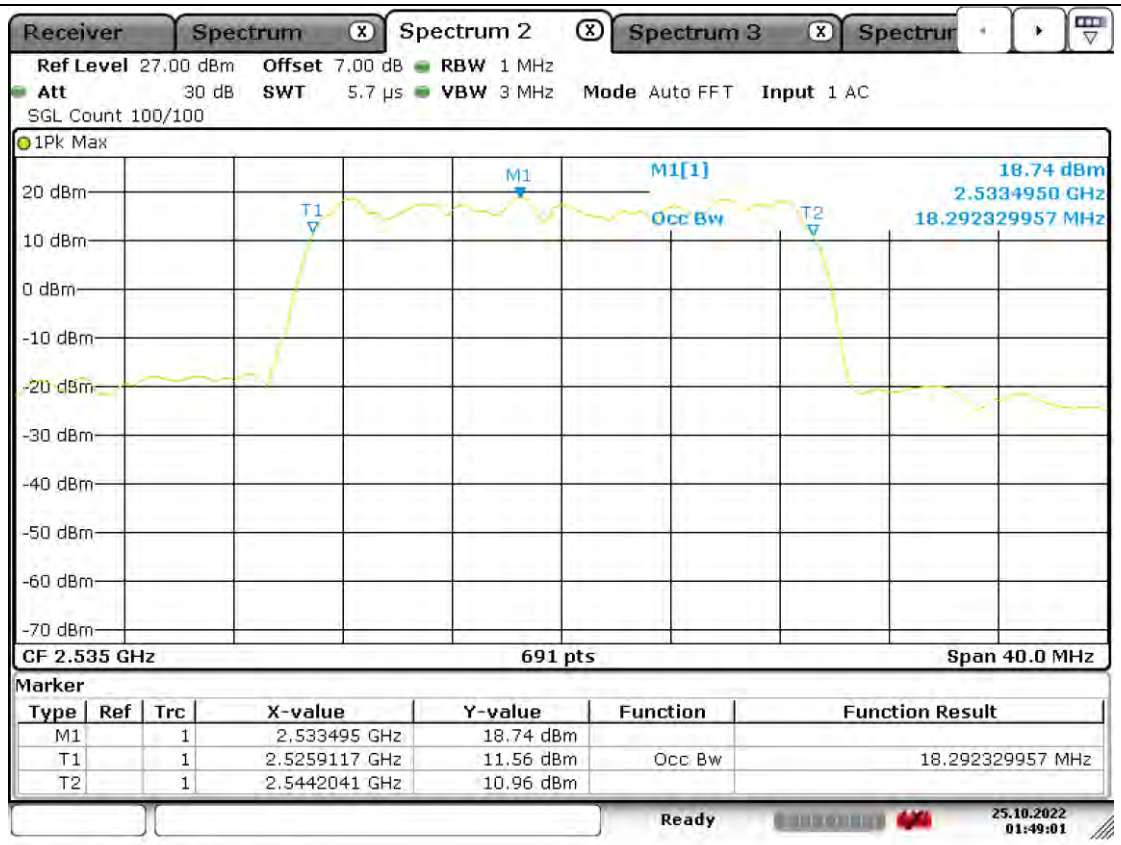
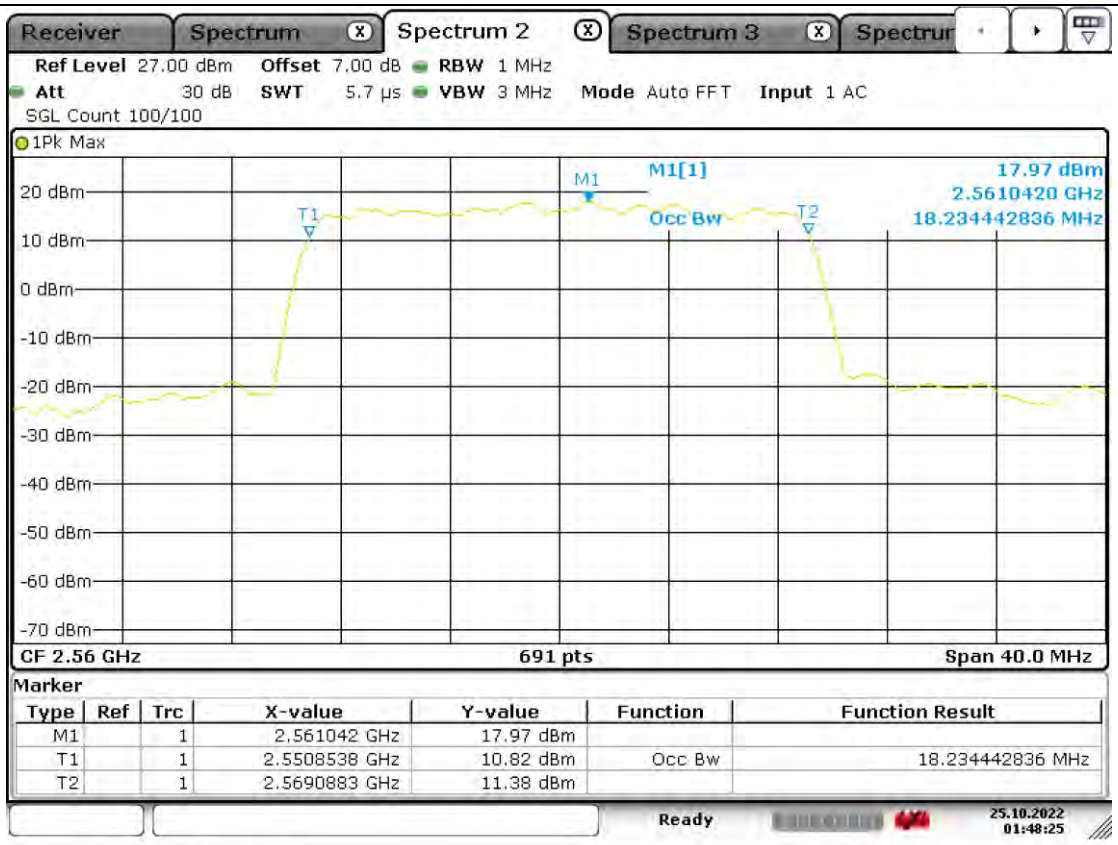


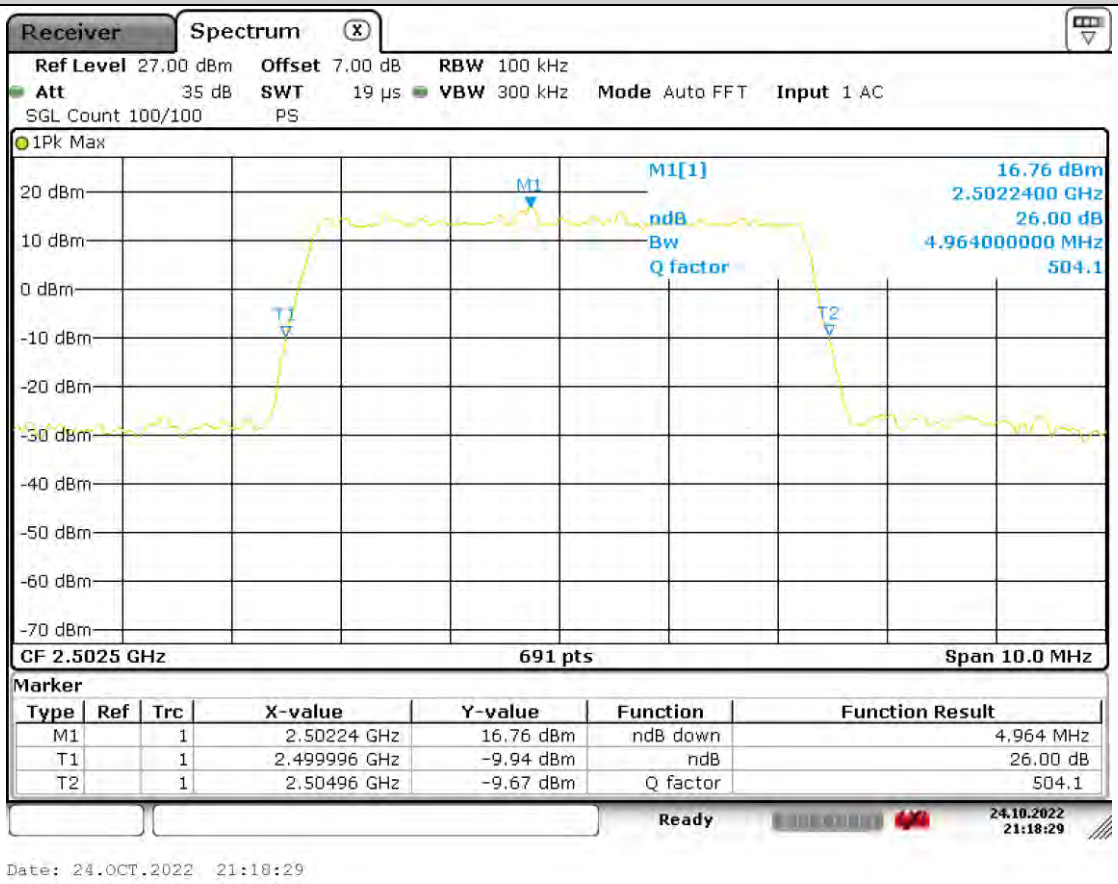
Band7-20MHz-16QAM-21100-100RB#0

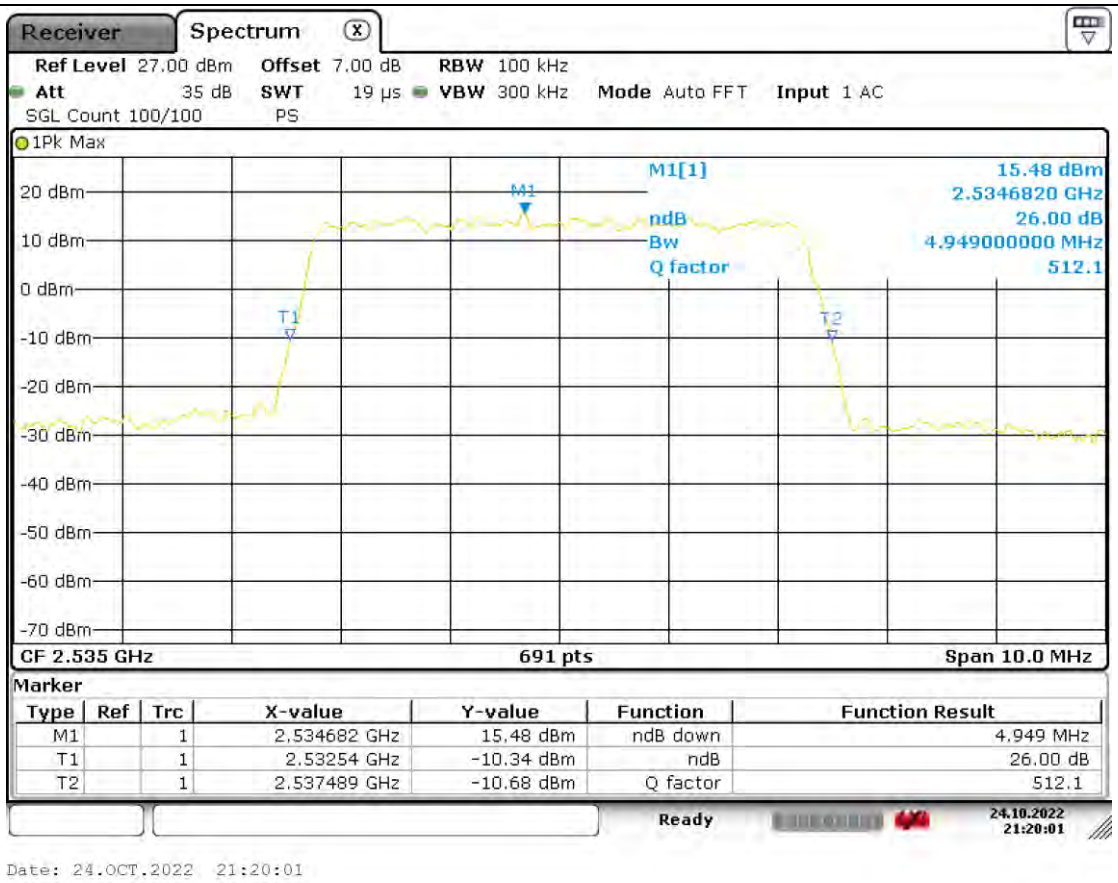


Band7-20MHz-16QAM-21350-100RB#0

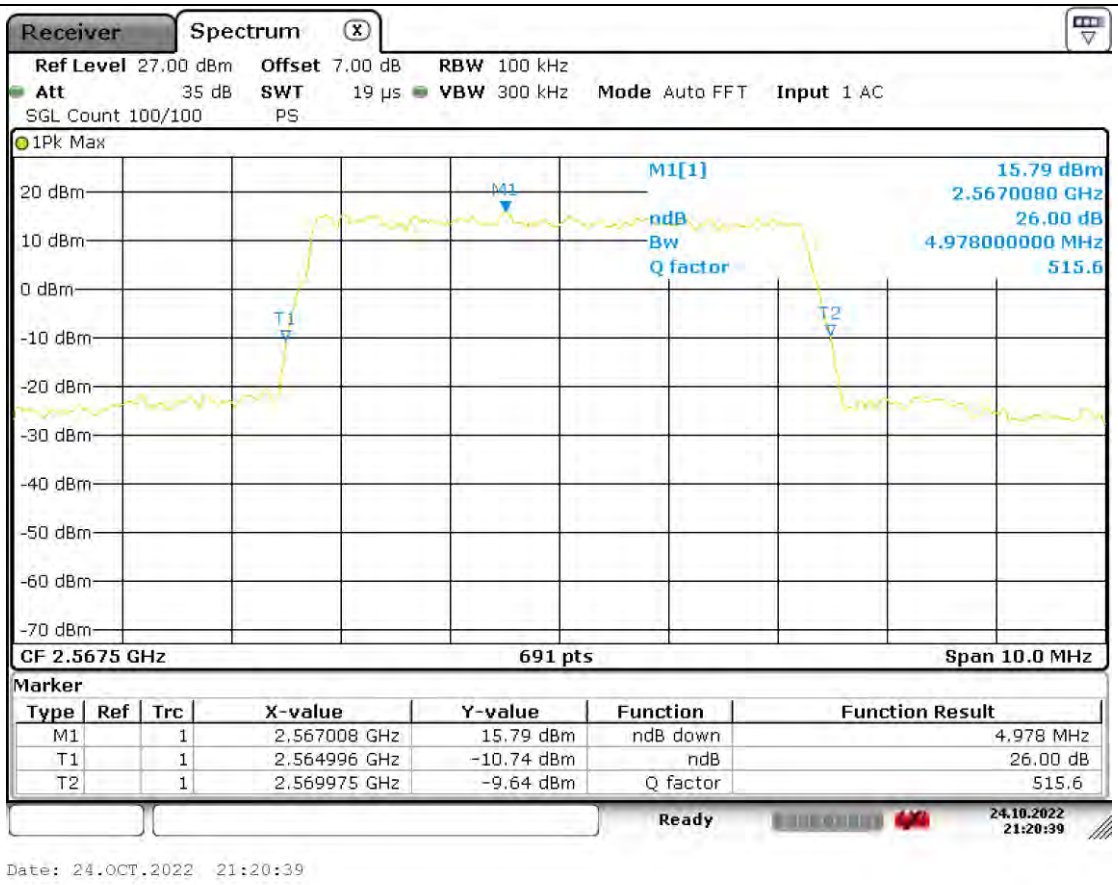

Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrum
Ref Level 27.00 dBm Offset 7.00 dB RBW 1 MHz
Att 30 dB SWT 5.7 µs VBW 3 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100
1Pk Max
M1[1]
17.97 dBm
2.5610420 GHz
Occ Bw
18.234442836 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.56 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.561042 GHz 17.97 dBm
T1 1 2.5508538 GHz 10.82 dBm Occ Bw 18.234442836 MHz
T2 1 2.5690883 GHz 11.38 dBm
Ready
25.10.2022
01:48:25
Date: 25.OCT.2022 01:48:26

26dB Bandwidth

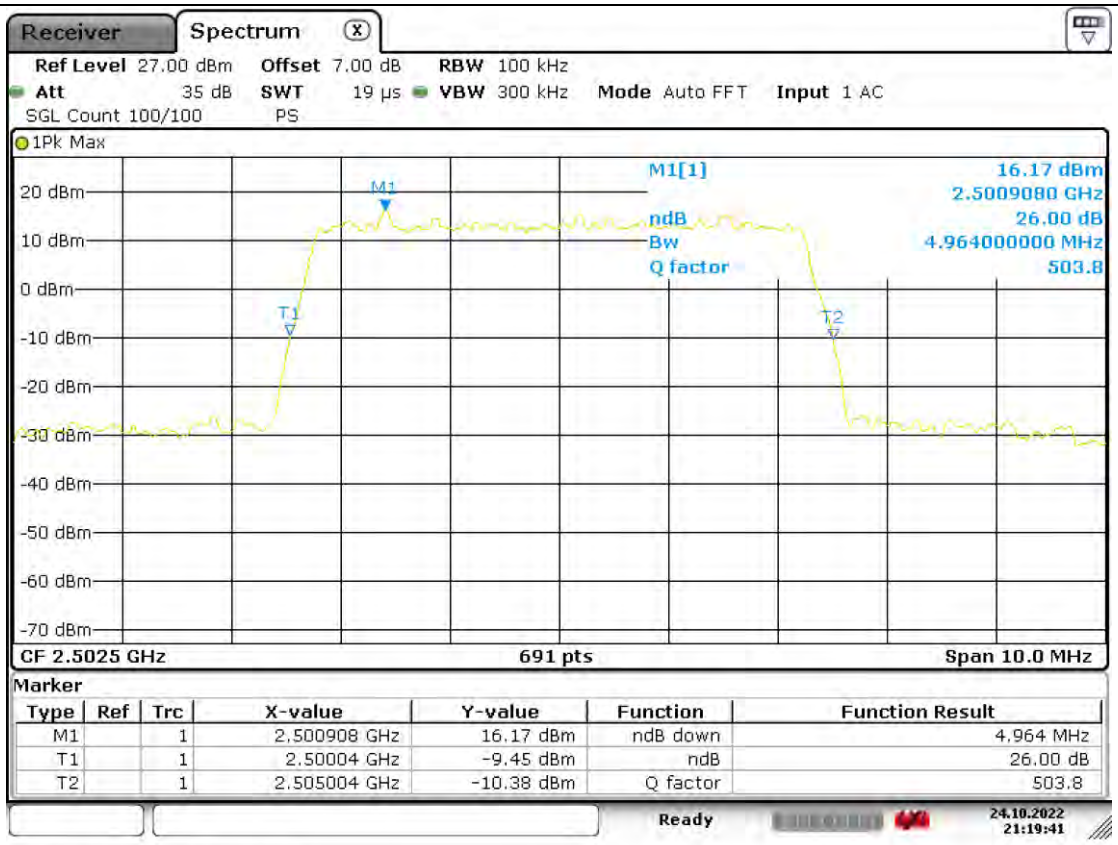
Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-25RB#0



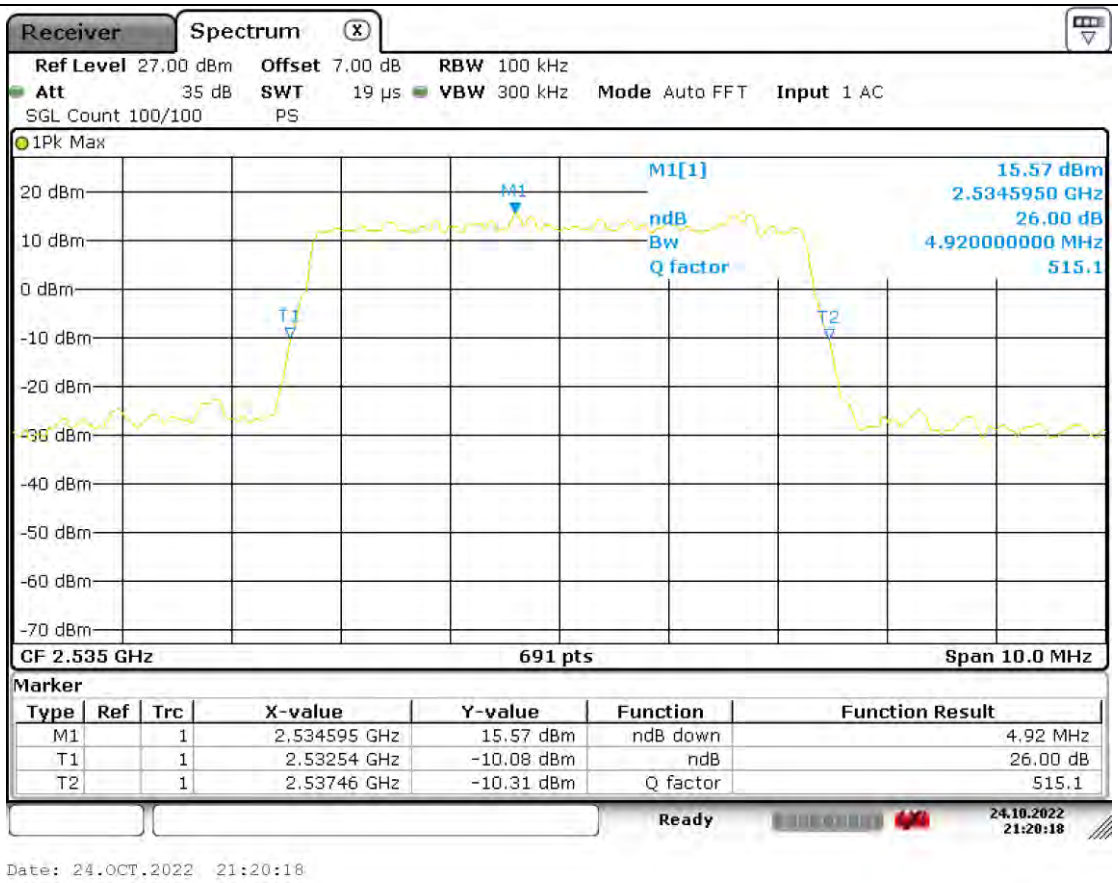
Band7-5MHz-QPSK-21425-25RB#0



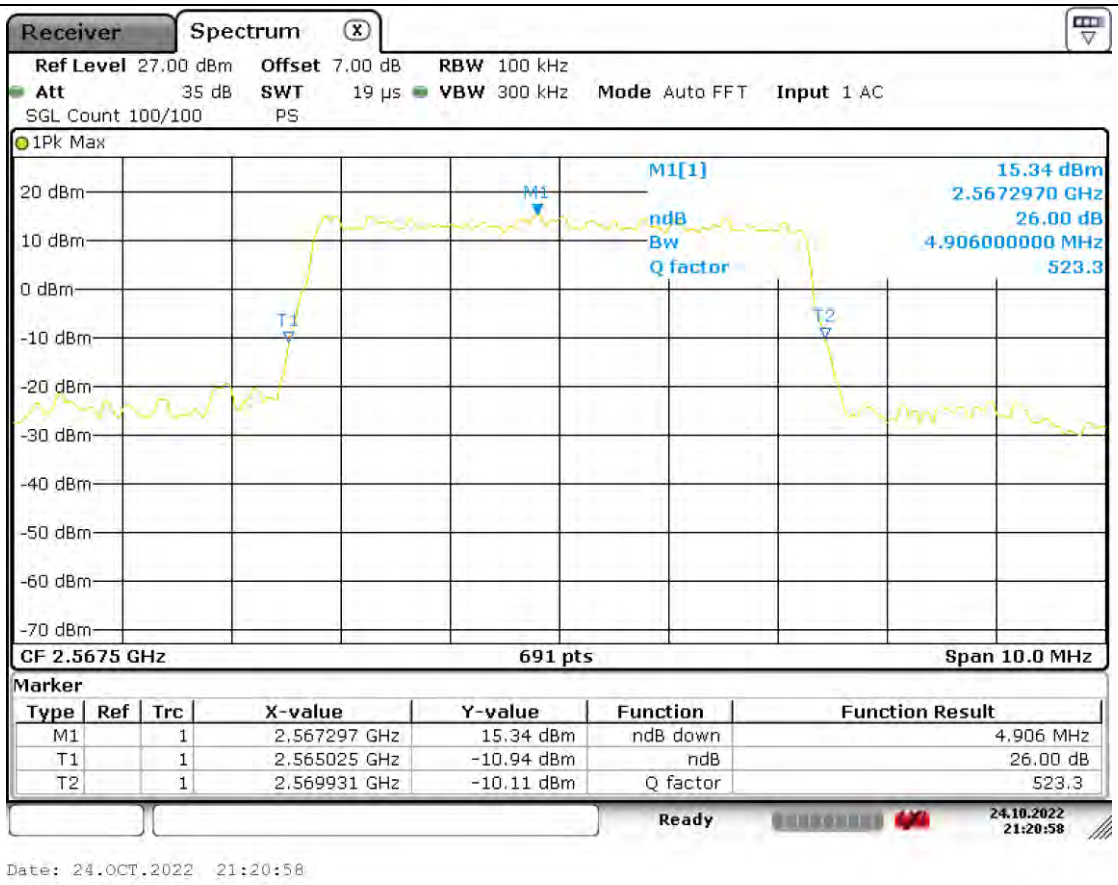
Band7-5MHz-16QAM-20775-25RB#0



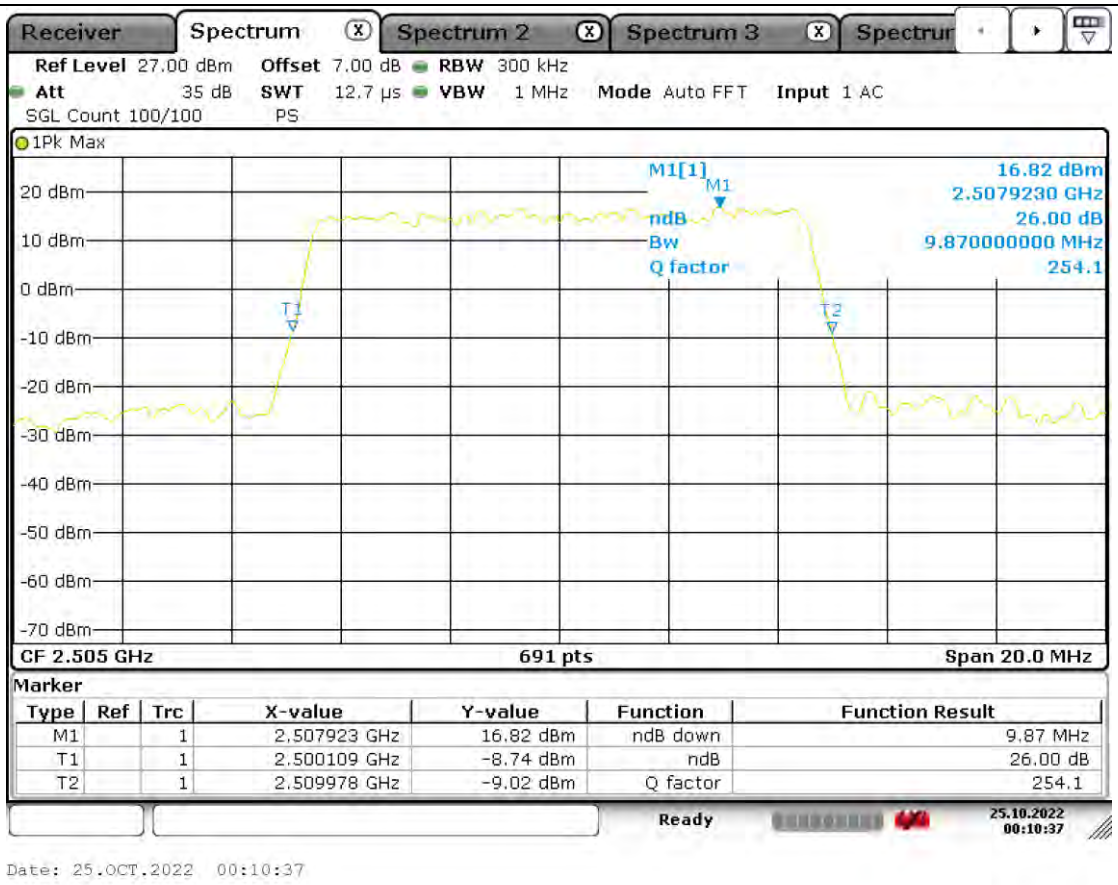
Band7-5MHz-16QAM-21100-25RB#0



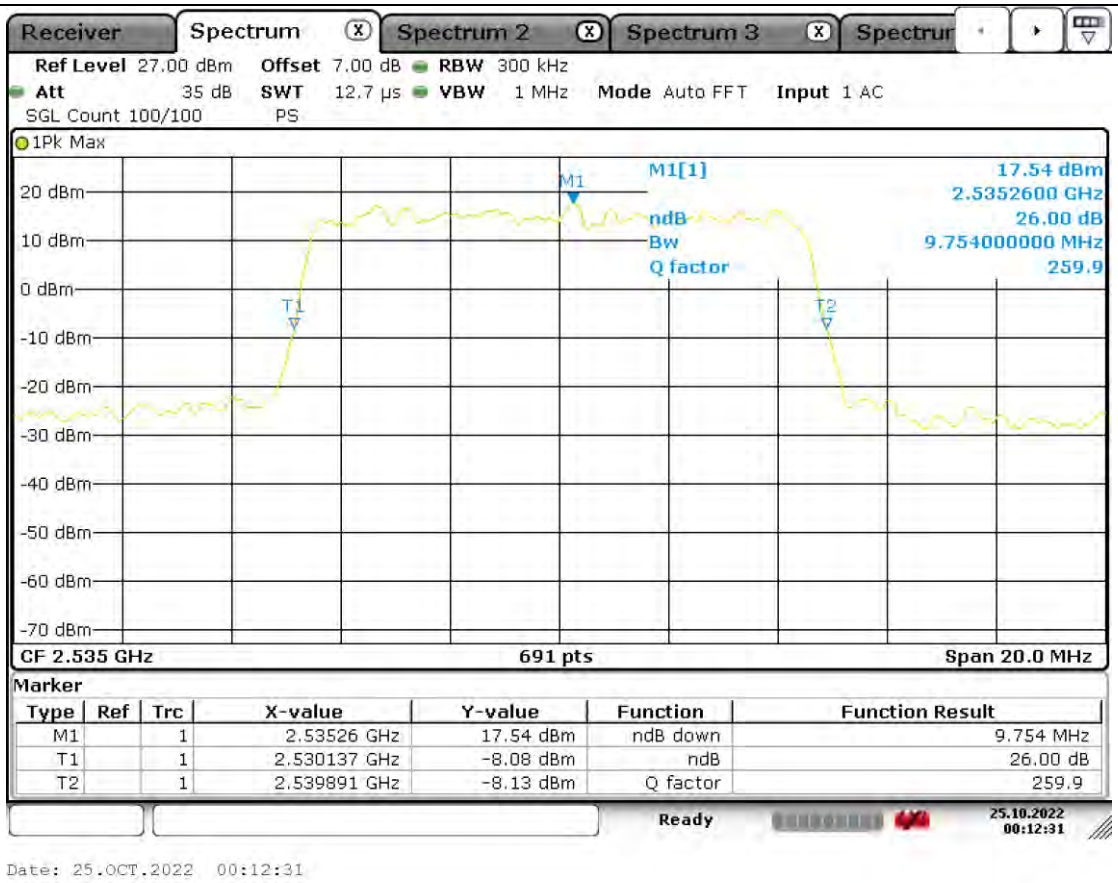
Band7-5MHz-16QAM-21425-25RB#0



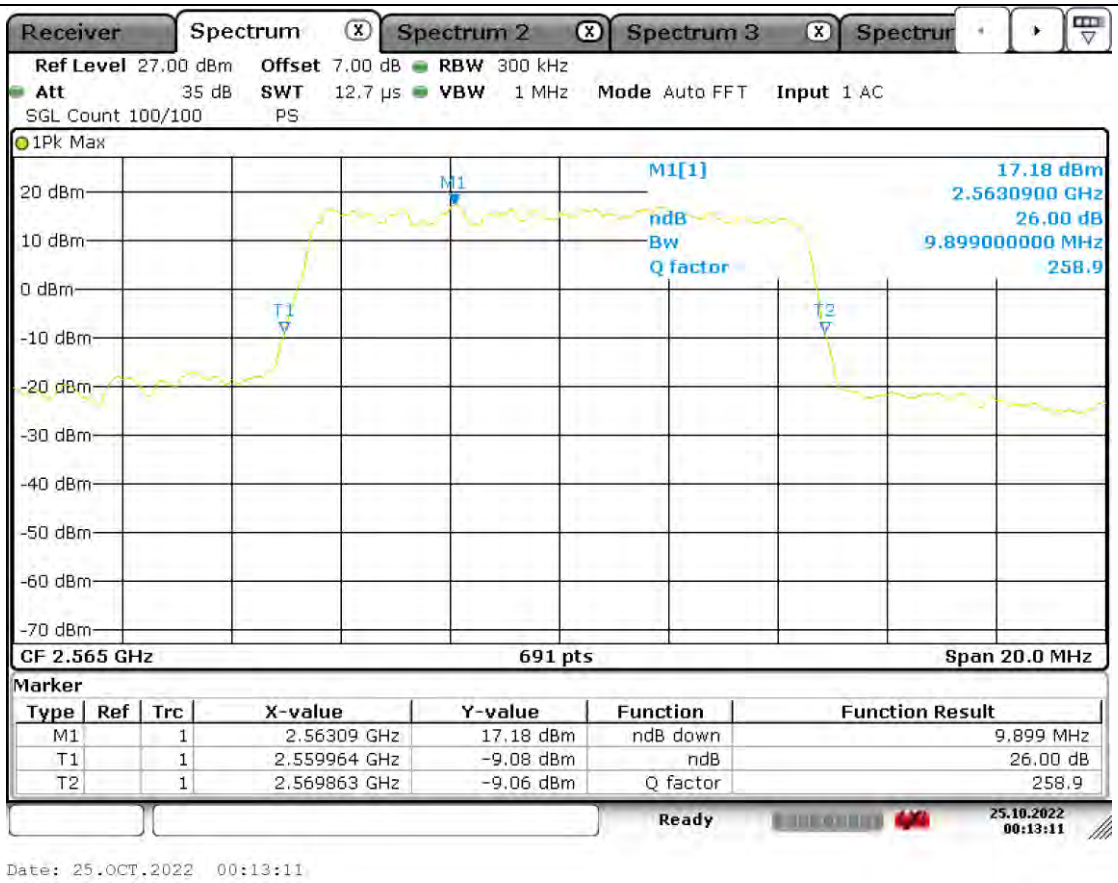
Band7-10MHz-QPSK-20800-50RB#0



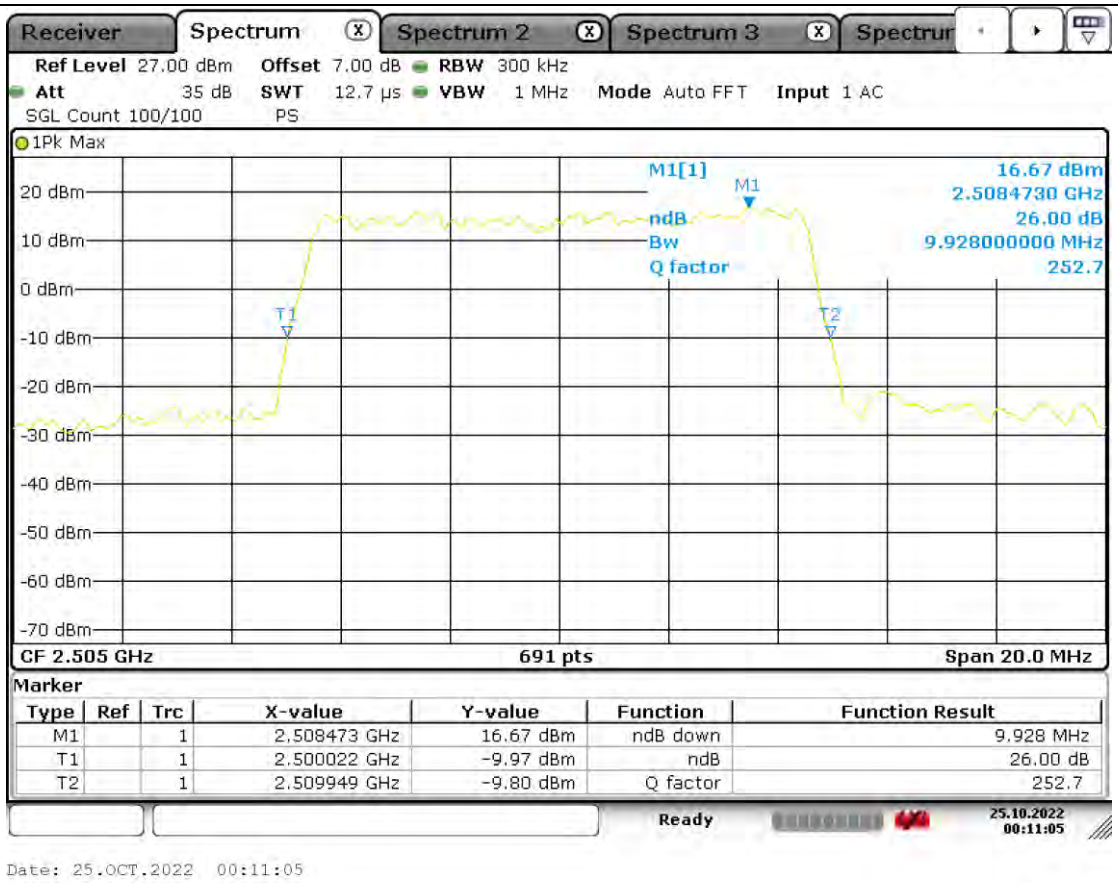
Band7-10MHz-QPSK-21100-50RB#0



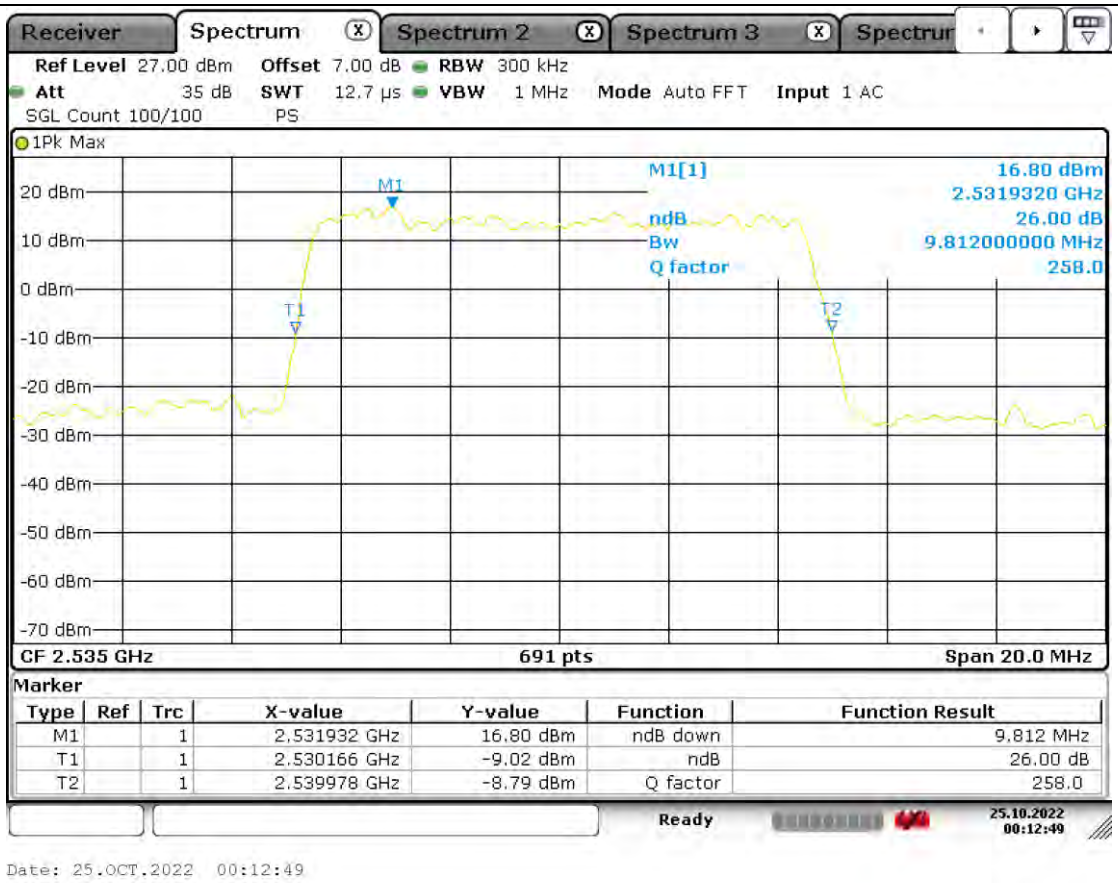
Band7-10MHz-QPSK-21400-50RB#0



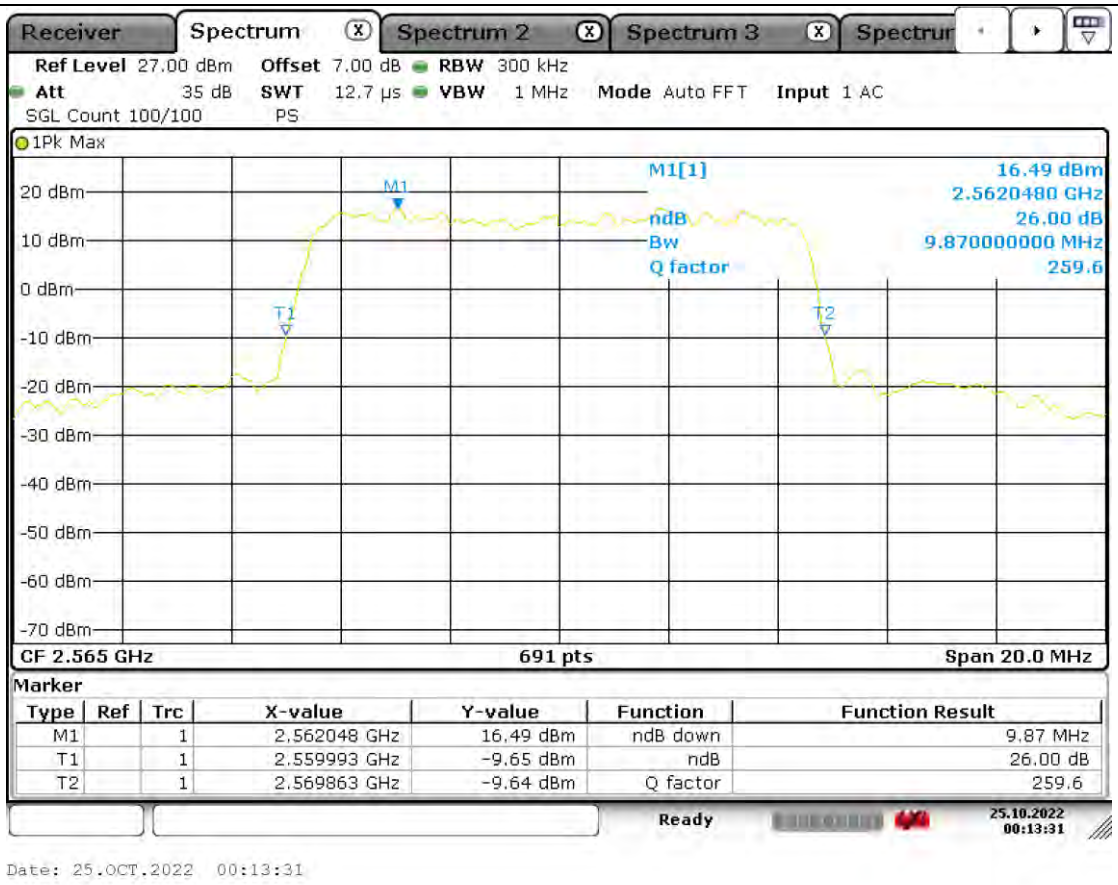
Band7-10MHz-16QAM-20800-50RB#0



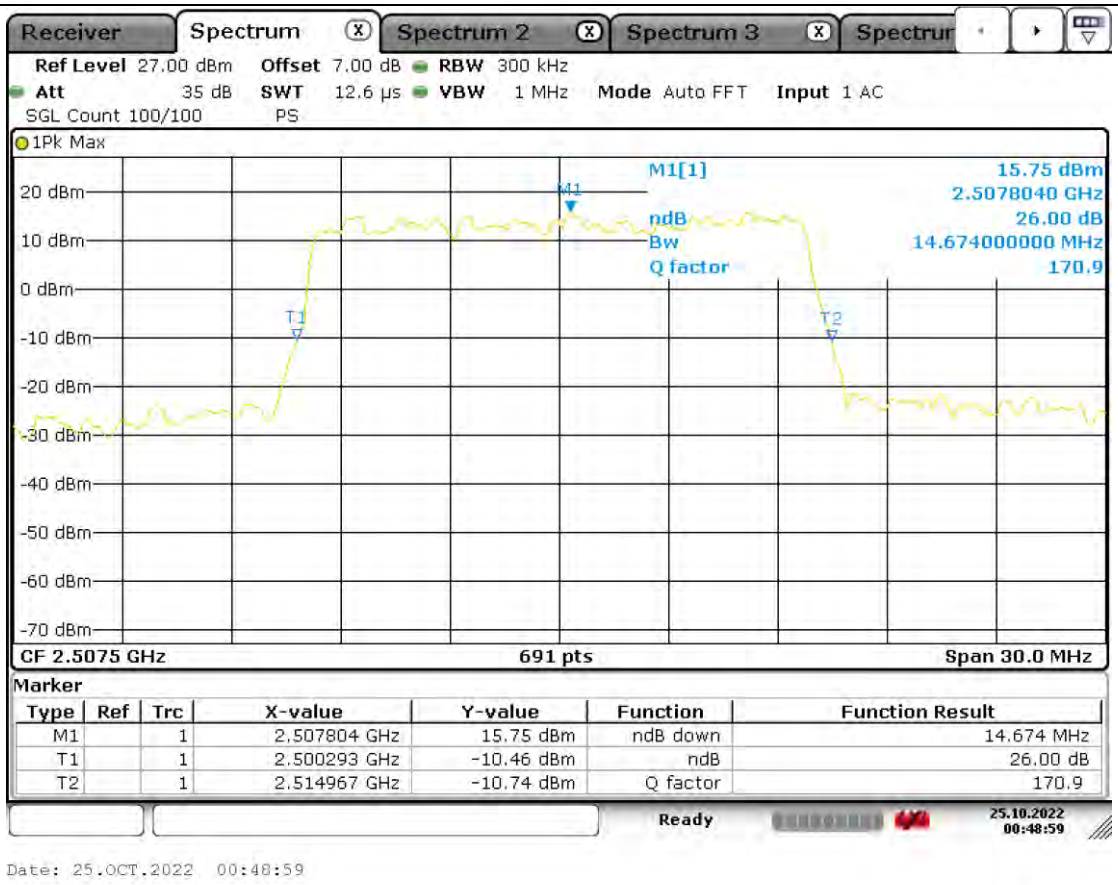
Band7-10MHz-16QAM-21100-50RB#0



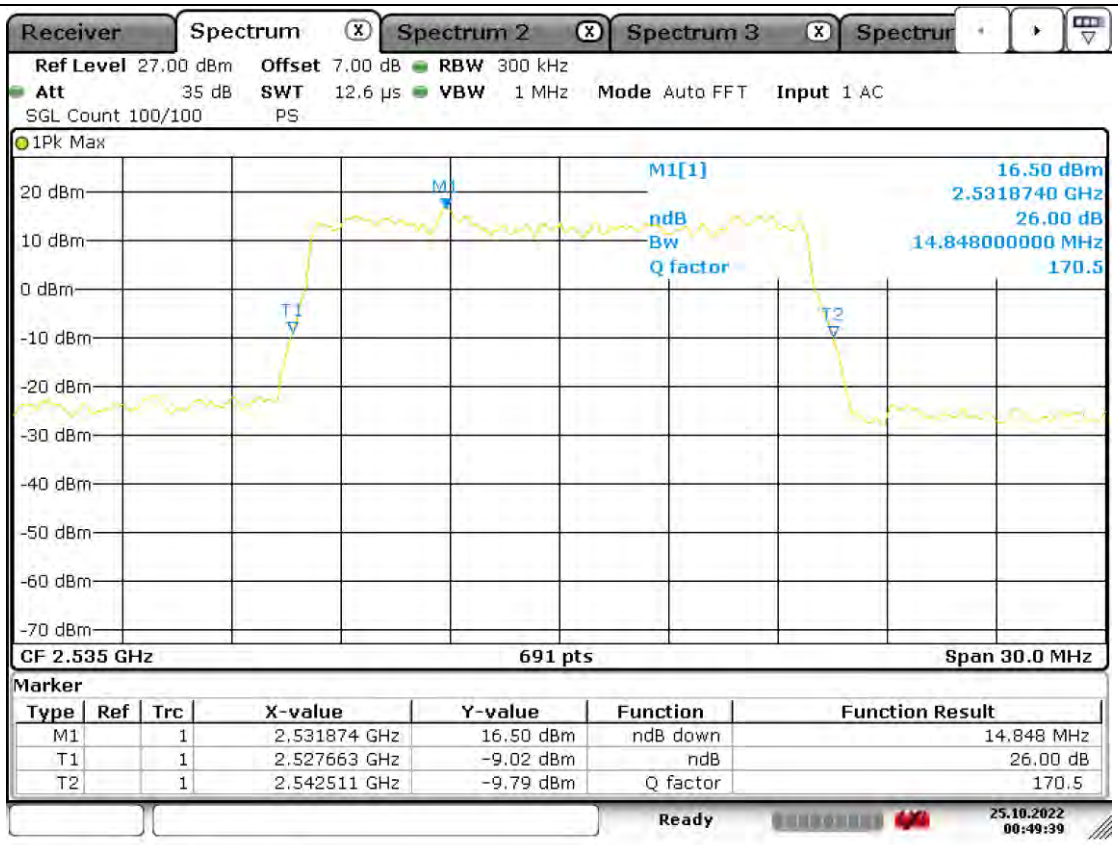
Band7-10MHz-16QAM-21400-50RB#0



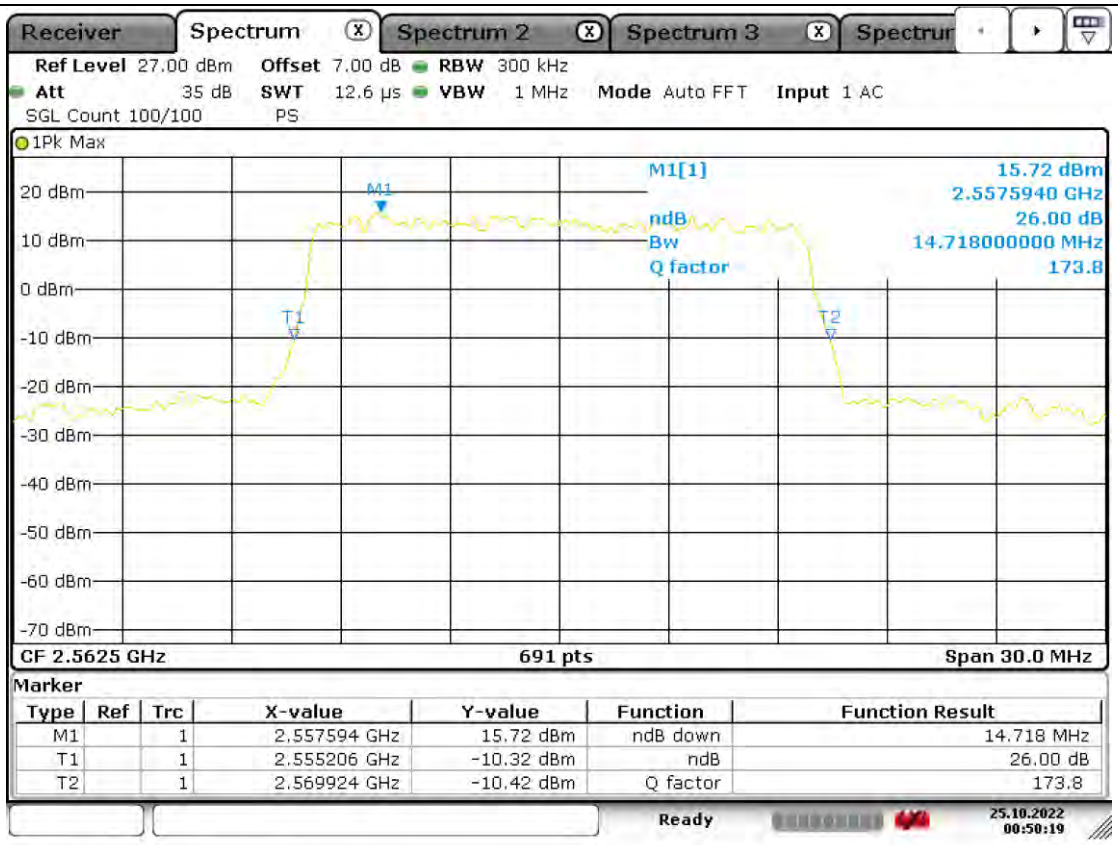
Band7-15MHz-QPSK-20825-75RB#0



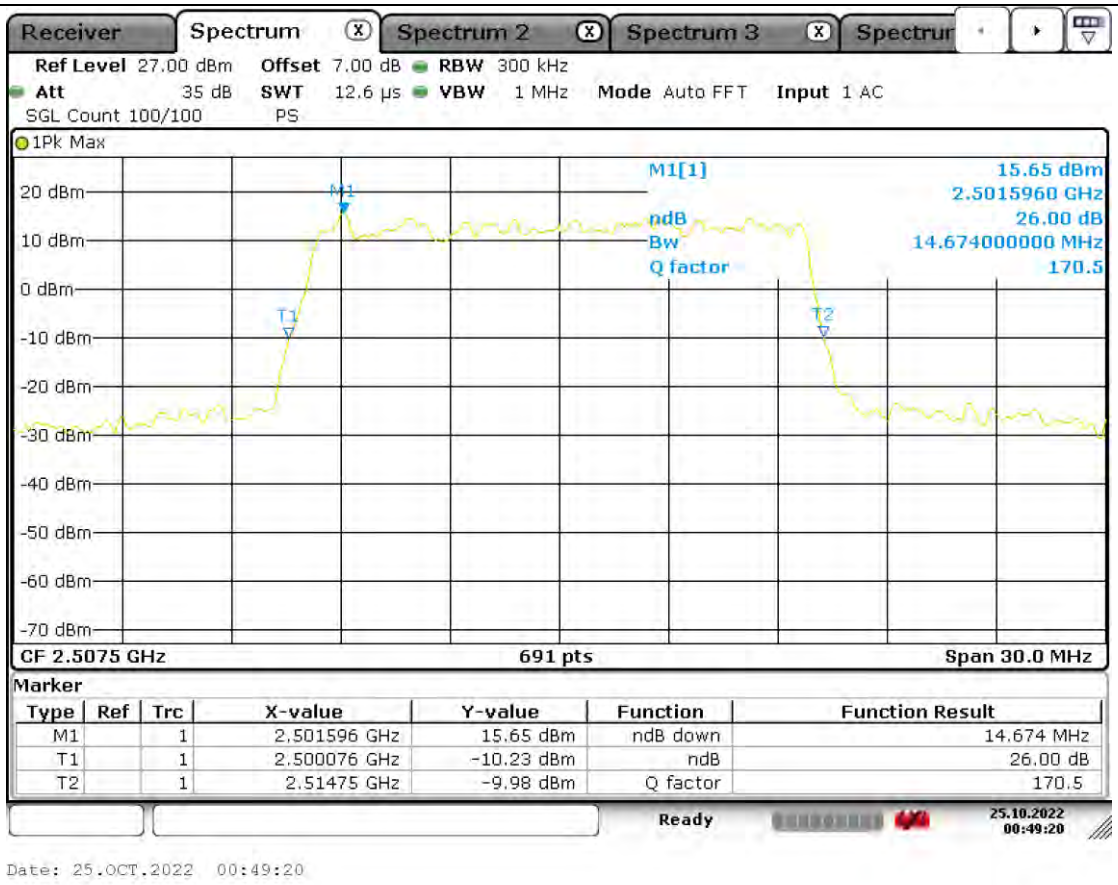
Band7-15MHz-QPSK-21100-75RB#0



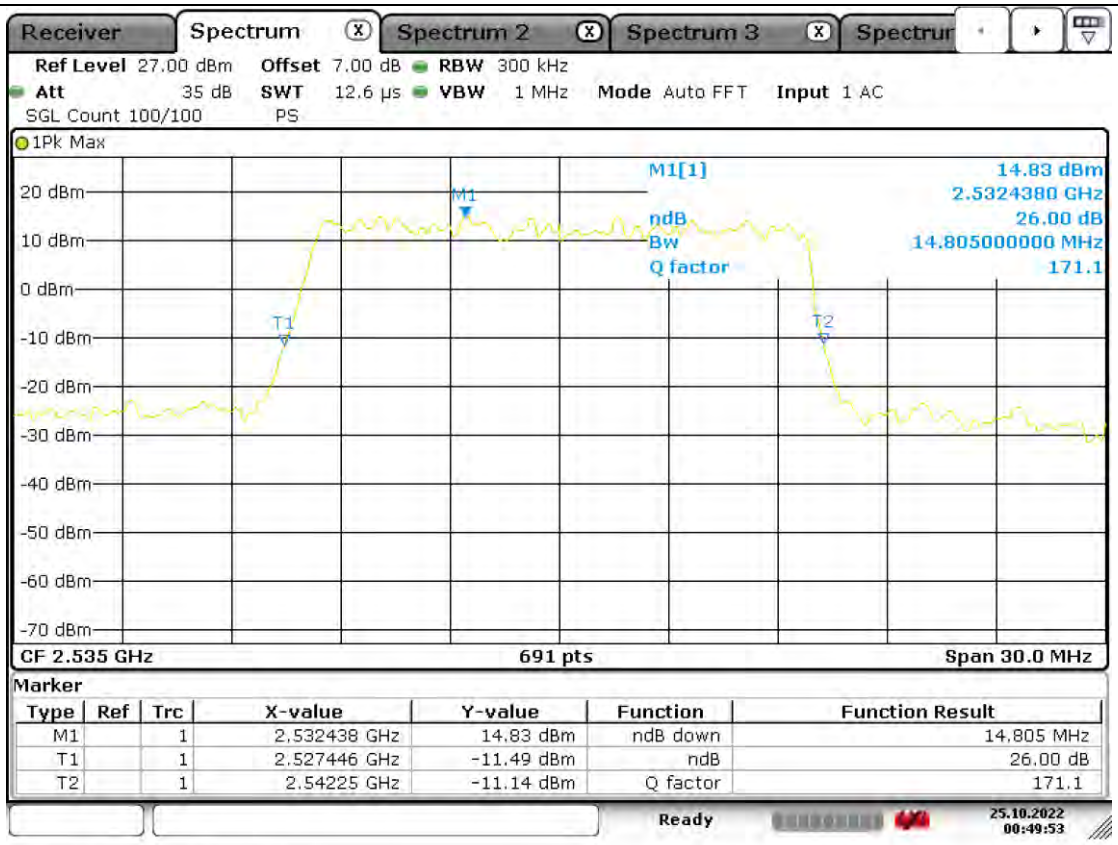
Band7-15MHz-QPSK-21375-75RB#0



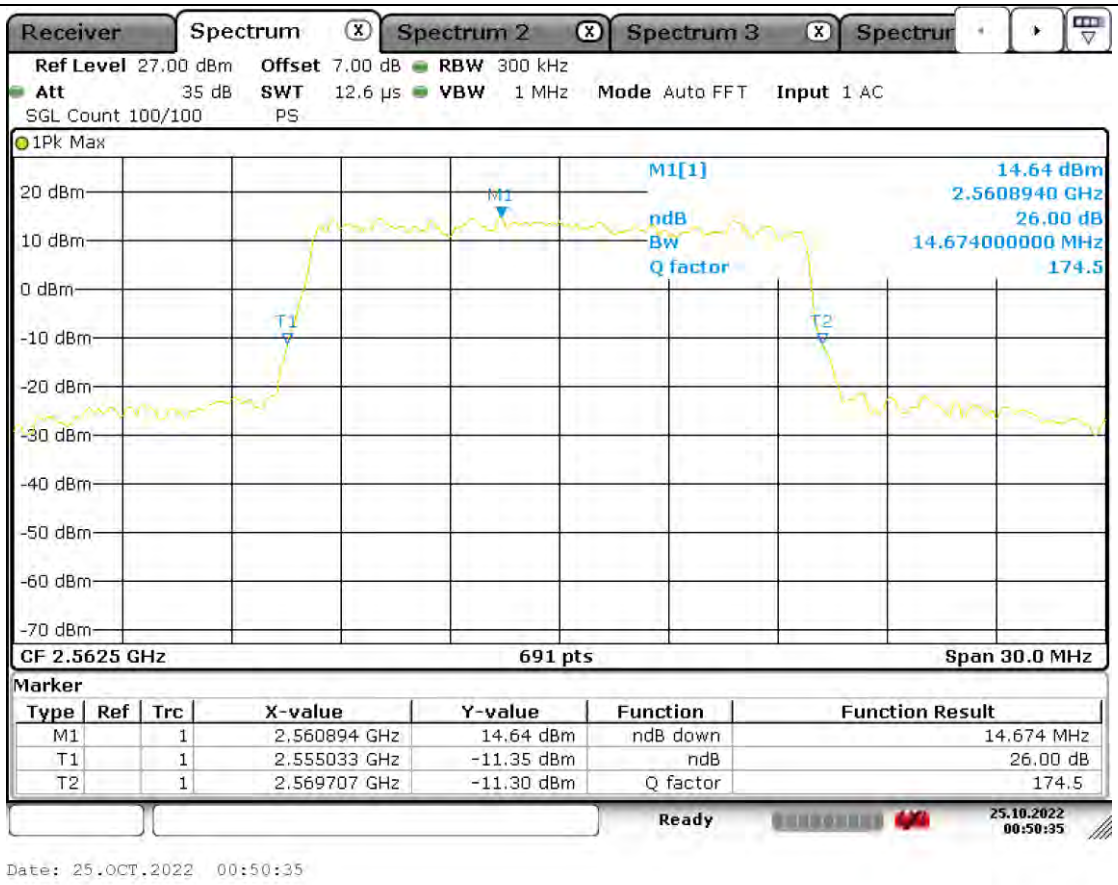
Band7-15MHz-16QAM-20825-75RB#0



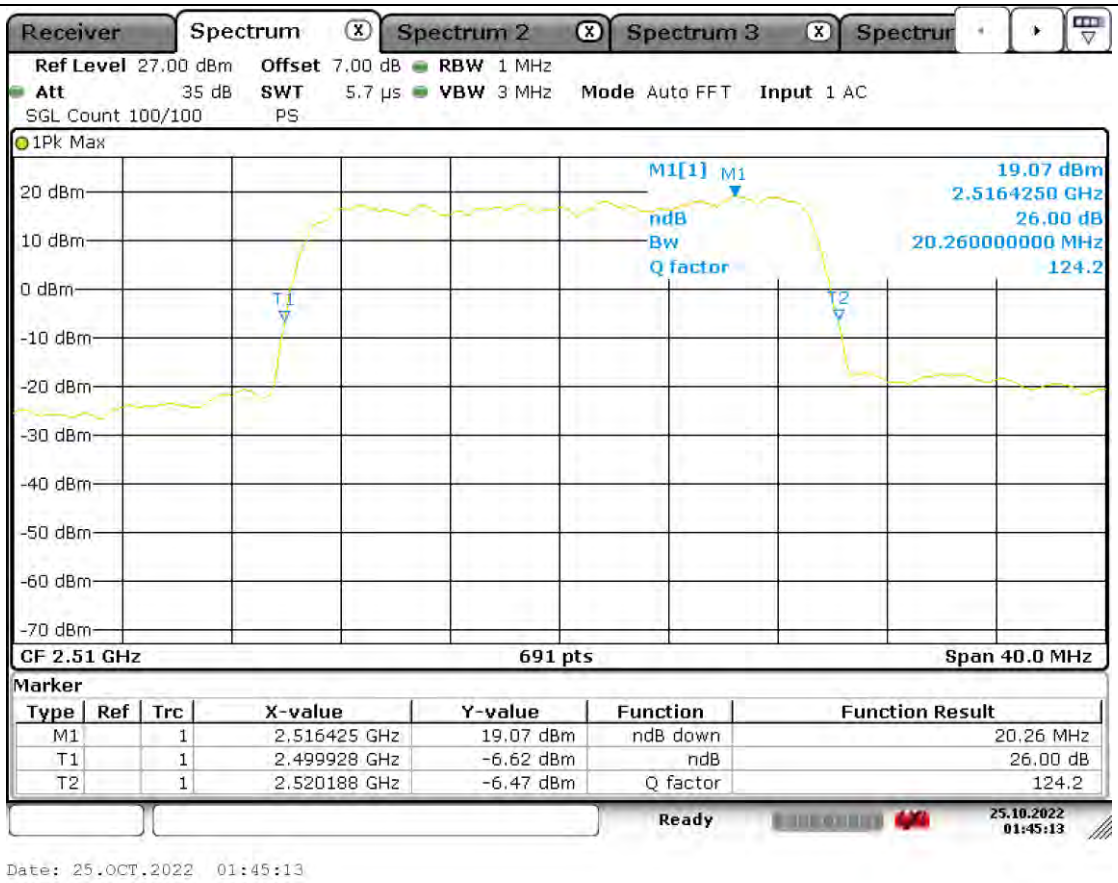
Band7-15MHz-16QAM-21100-75RB#0



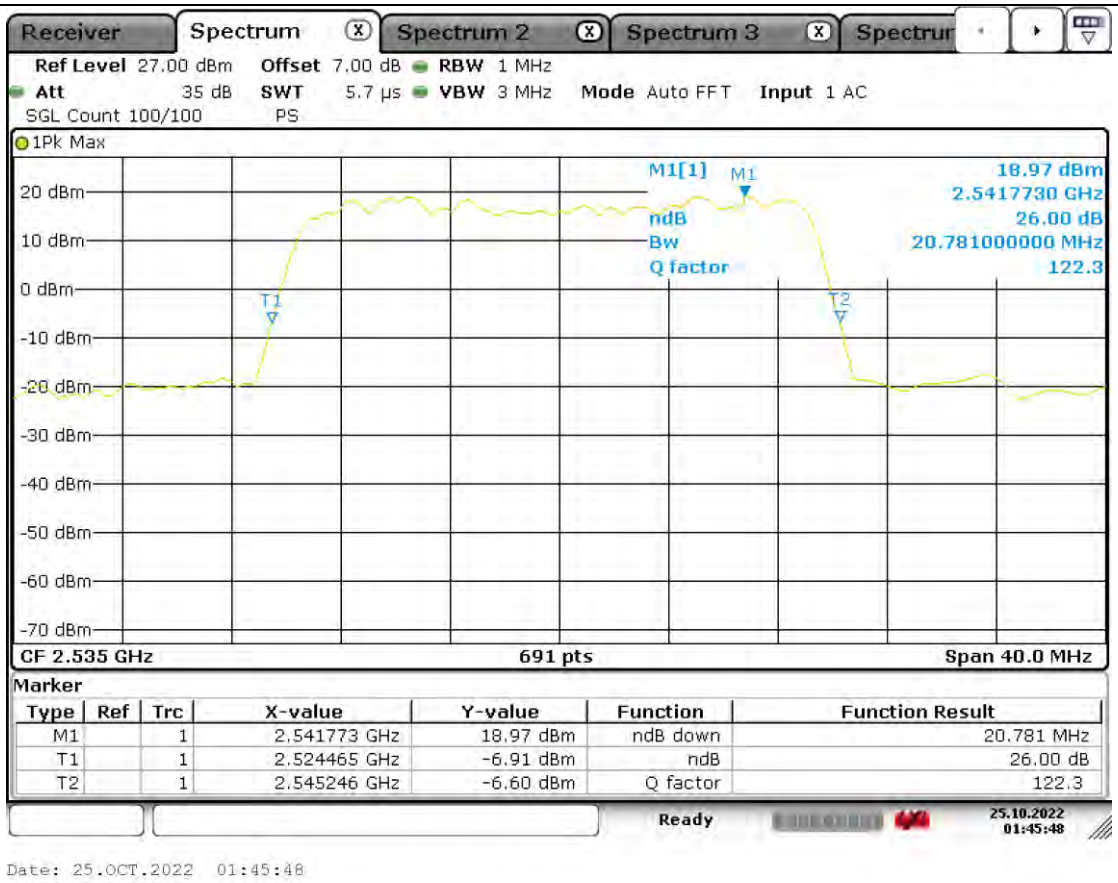
Band7-15MHz-16QAM-21375-75RB#0



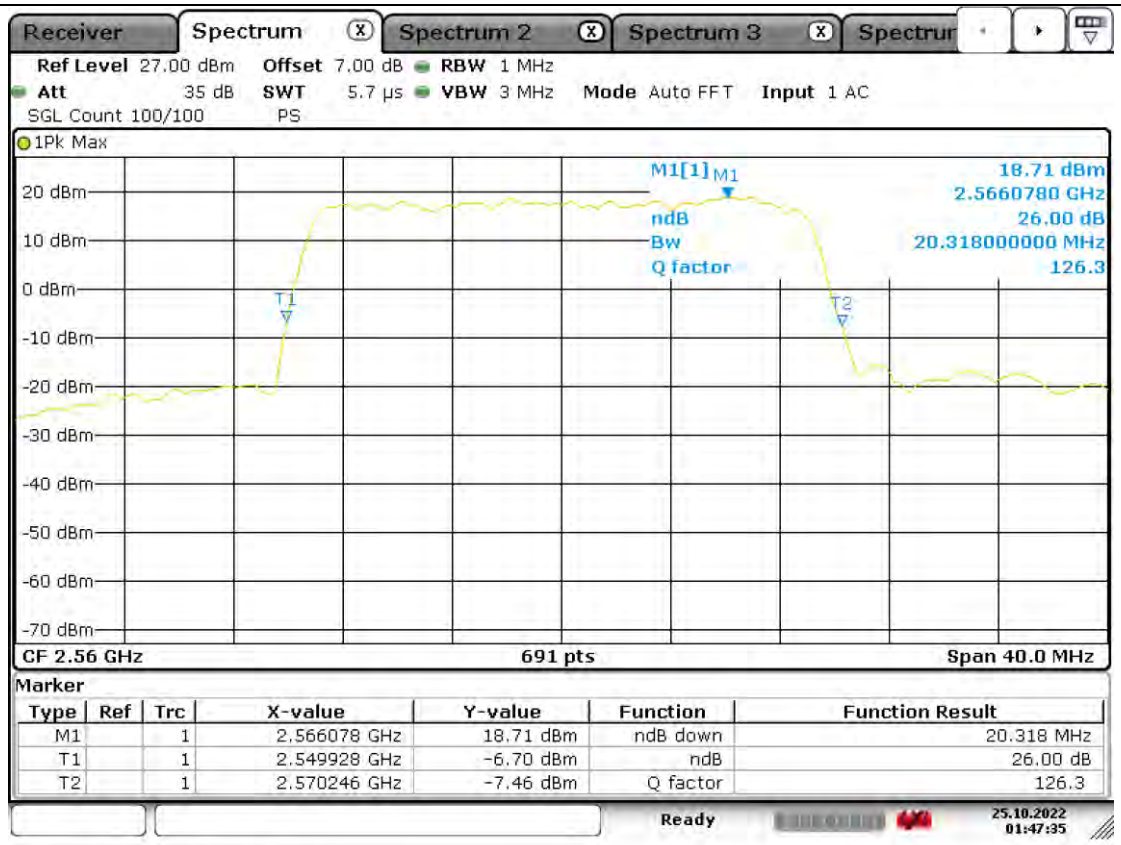
Band7-20MHz-QPSK-20850-100RB#0



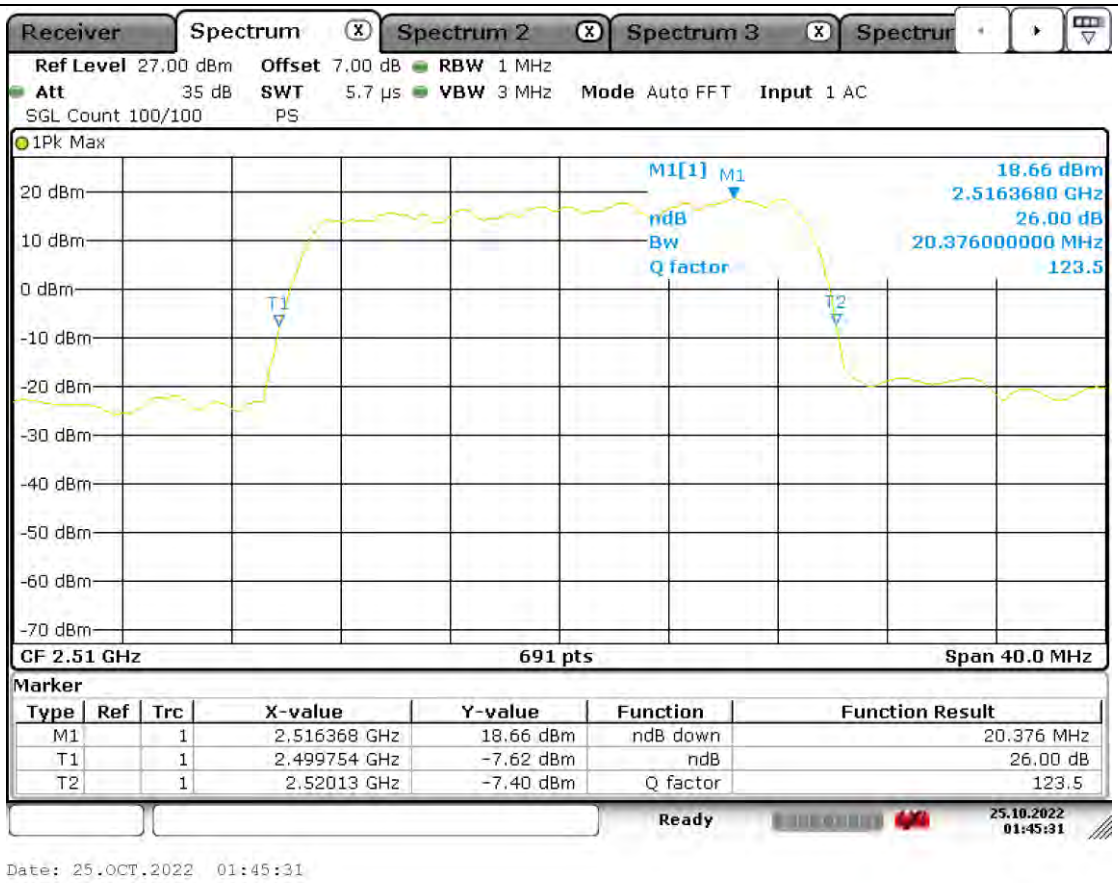
Band7-20MHz-QPSK-21100-100RB#0



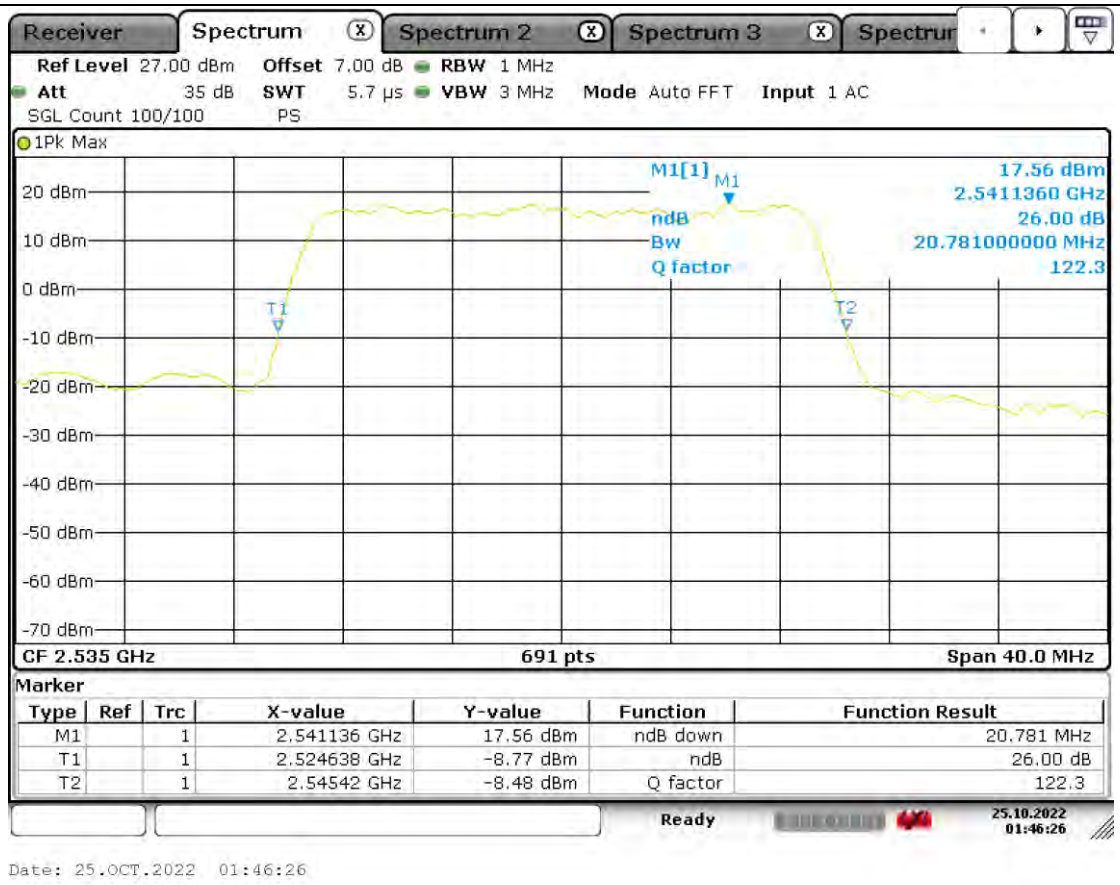
Band7-20MHz-QPSK-21350-100RB#0



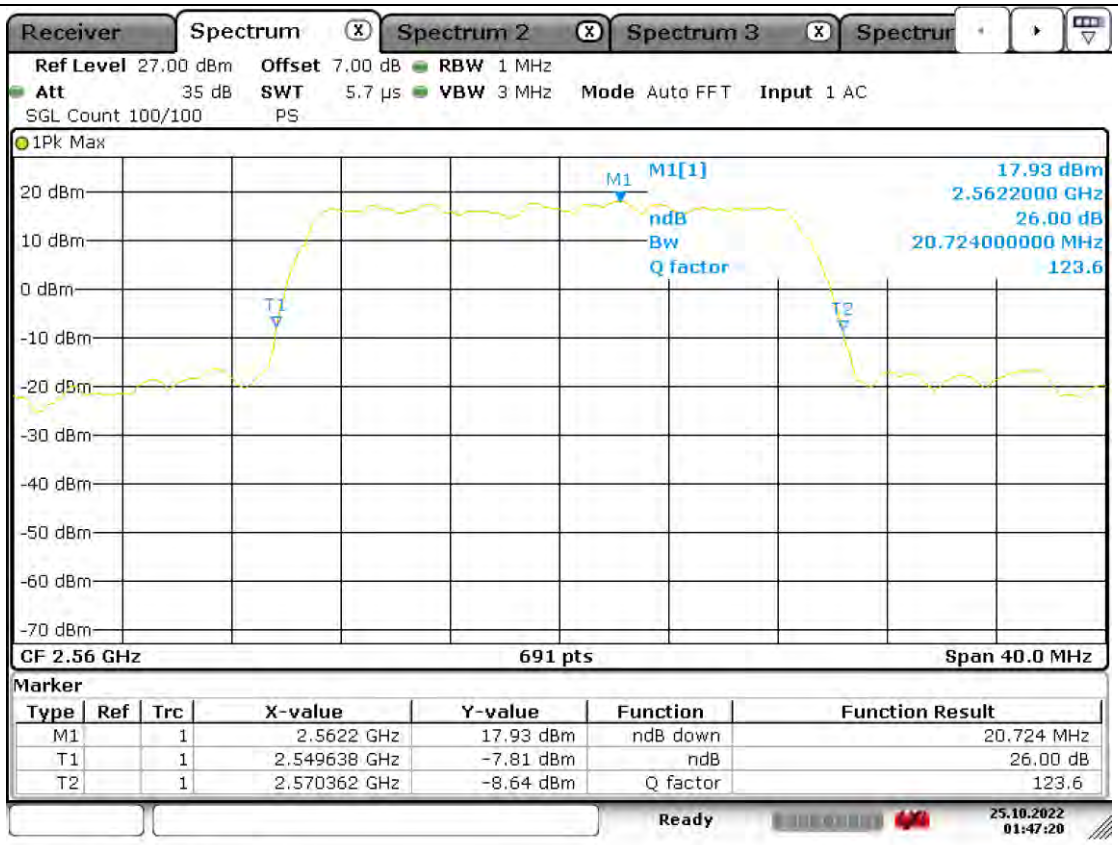
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0


Receiver
Spectrum
Spectrum 2
Spectrum 3
Spectrur
Ref Level 27.00 dBm Offset 7.00 dB RBW 1 MHz
Att 35 dB SWT 5.7 µs VBW 3 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100 PS
1Pk Max
M1[1] 17.93 dBm
2.5622000 GHz
ndB 26.00 dB
Bw 20.724000000 MHz
Q factor 123.6
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
T1
T2
CF 2.56 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.5622 GHz 17.93 dBm ndB down 20.724 MHz
T1 1 2.549638 GHz -7.81 dBm ndB 26.00 dB
T2 1 2.570362 GHz -8.64 dBm Q factor 123.6
Ready
25.10.2022
01:47:20
Date: 25.OCT.2022 01:47:20

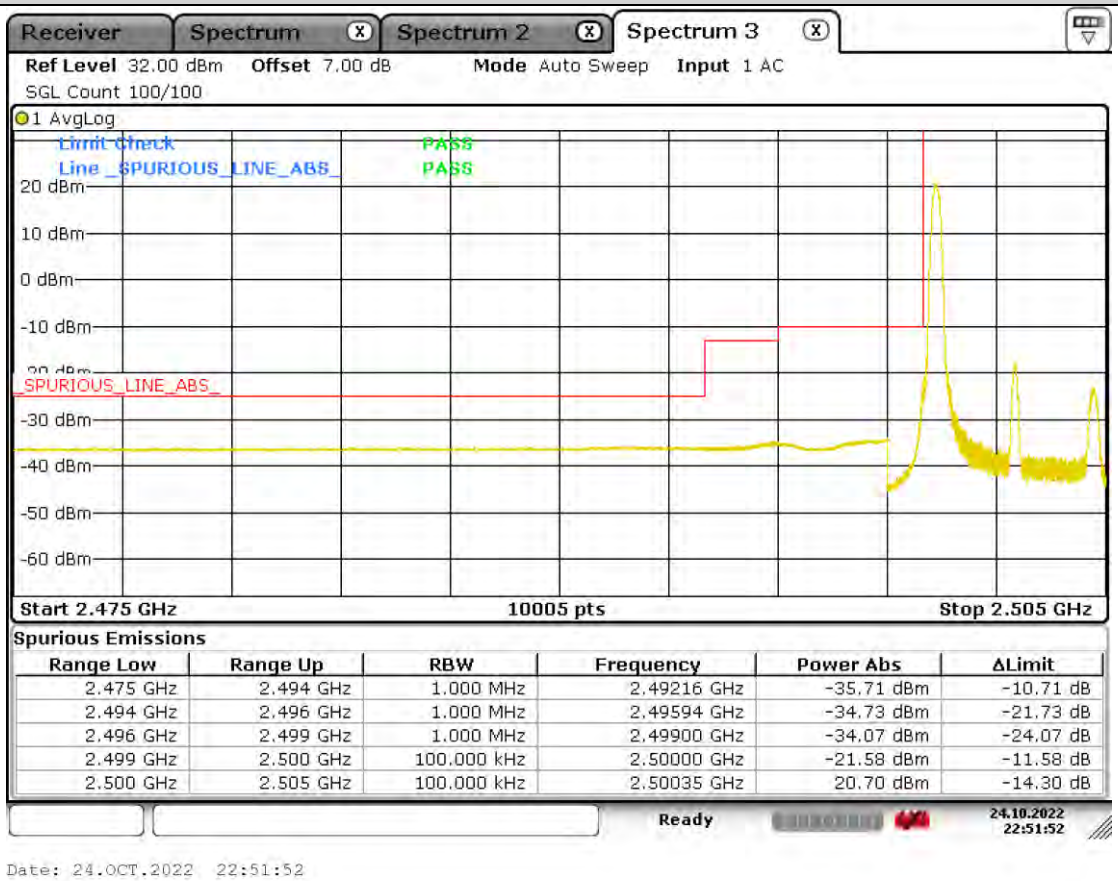
BAND EDGE

Test Result

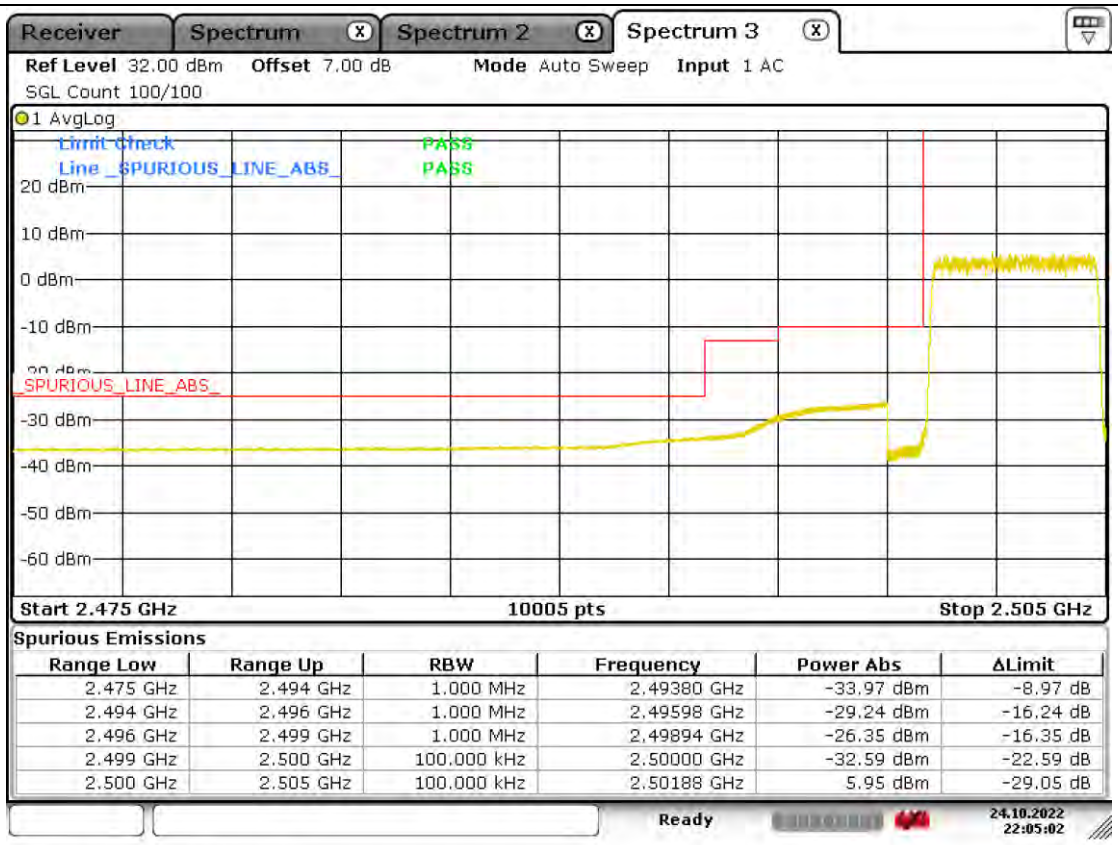
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-21.58, -34.07, -34.73, -35.71	PASS
Band7	5MHz	QPSK	20775	25RB#0	-32.59, -26.35, -29.24, -33.97	PASS
Band7	5MHz	QPSK	21425	1RB#24	-23.15, -32.83, -35.69, -35.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	-29.89, -22.6, -31.09, -32.28	PASS
Band7	5MHz	16QAM	20775	1RB#0	-23.3, -34.24, -34.89, -35.85	PASS
Band7	5MHz	16QAM	20775	25RB#0	-31.61, -25.98, -31.35, -34.35	PASS
Band7	5MHz	16QAM	21425	1RB#24	-25.84, 34.31, -35.73, -35.75	PASS
Band7	5MHz	16QAM	21425	25RB#0	-31.83, -24.28, -31.87, -33.28	PASS
Band7	10MHz	QPSK	20800	1RB#0	-27.26, -34.65, -34.61, -35.92	PASS
Band7	10MHz	QPSK	20800	50RB#0	-30.40, -26.99, -28.62, -34.9	PASS
Band7	10MHz	QPSK	21400	1RB#49	-30.53, -33.65, -34.42, -35.69	PASS
Band7	10MHz	QPSK	21400	50RB#0	-29.73, -25.3, -27.74, -34.25	PASS
Band7	10MHz	16QAM	20800	1RB#0	-28.92, -34.93, -34.76, -35.93	PASS
Band7	10MHz	16QAM	20800	50RB#0	-31.55, -27.40, -29.11, -34.79	PASS
Band7	10MHz	16QAM	21400	1RB#49	-31.46, -34.51, -35.17, -35.78	PASS
Band7	10MHz	16QAM	21400	50RB#0	-31.27, -26.41, -29.00, -33.98	PASS
Band7	15MHz	QPSK	20825	1RB#0	-28.32, -34.73, -33.66, -35.41	PASS
Band7	15MHz	QPSK	20825	75RB#0	-29.92, -27.24, -28.59, -31.44	PASS
Band7	15MHz	QPSK	21375	1RB#74	-32.01, -34.73, -33.39, -35.78	PASS
Band7	15MHz	QPSK	21375	75RB#0	-27.59, -24.29, -25.78, -35.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	-29.34, -36.42, -33.87, -35.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	-31.17, -27.47, -28.82, -32.8	PASS
Band7	15MHz	16QAM	21375	1RB#74	-32.48, -35.16, -34.01, -35.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	-30.71, -26.53, -28.24, -34.91	PASS
Band7	20MHz	QPSK	20850	1RB#0	-24.54, -35.06, -33.37, -35.43	PASS
Band7	20MHz	QPSK	20850	100RB#0	-29.89, -28.9, -30.15, -31.8	PASS
Band7	20MHz	QPSK	21350	1RB#99	-26.72, -34.53, -32.82, -36.21	PASS
Band7	20MHz	QPSK	21350	100RB#0	-27.95, -26.7, -27.75, -36.05	PASS
Band7	20MHz	16QAM	20850	1RB#0	-26.09, -35.61, -33.72, -35.8	PASS
Band7	20MHz	16QAM	20850	100RB#0	-29.6, -29.03, -30.03, -32.34	PASS
Band7	20MHz	16QAM	21350	1RB#99	-27.26, -35.14, -33.39, -36.24	PASS
Band7	20MHz	16QAM	21350	100RB#0	-29.83, -28.14, -29.1, -36.01	PASS

Test Graphs

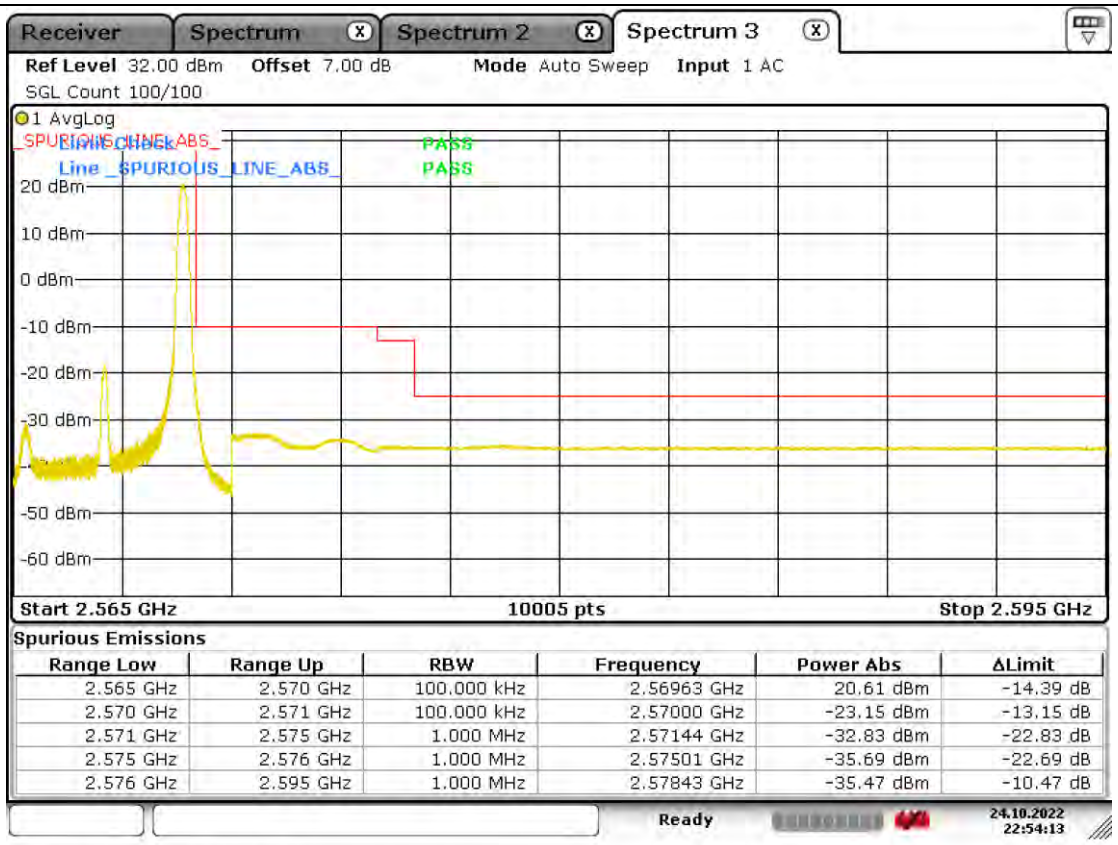
Band7-5MHz-QPSK-20775-1RB#0



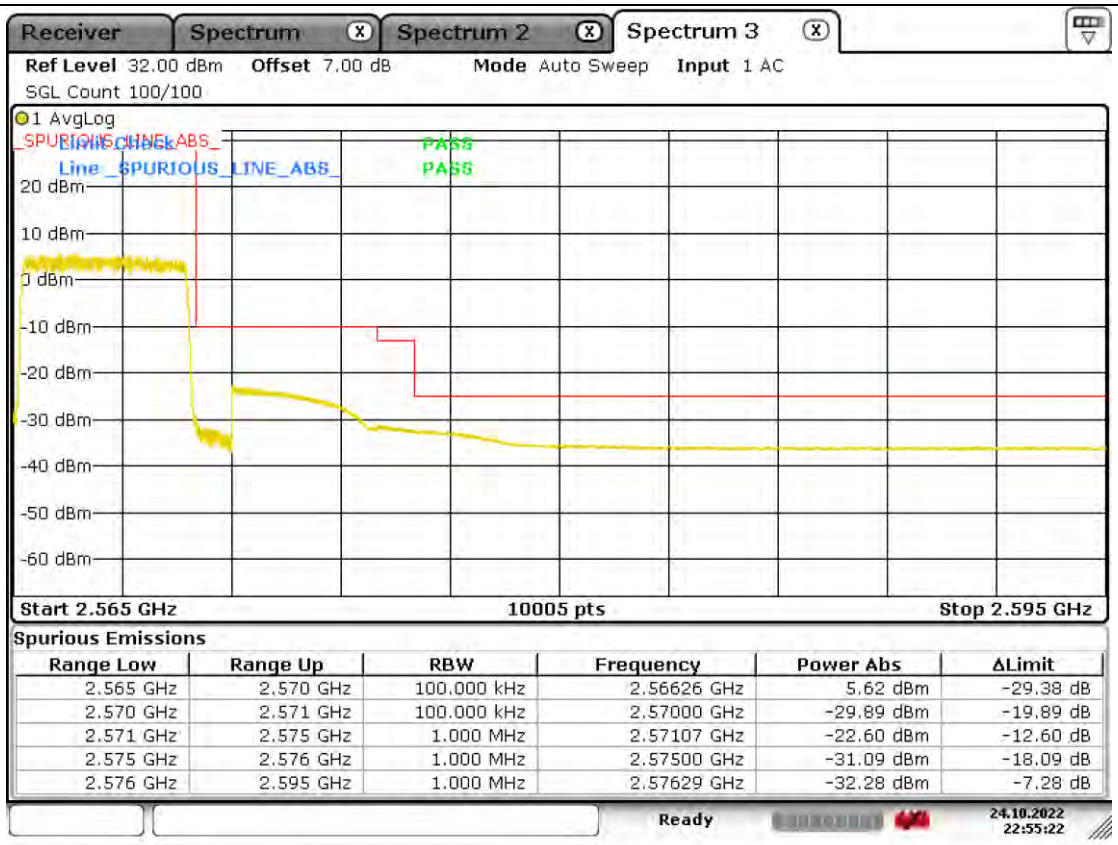
Band7-5MHz-QPSK-20775-25RB#0



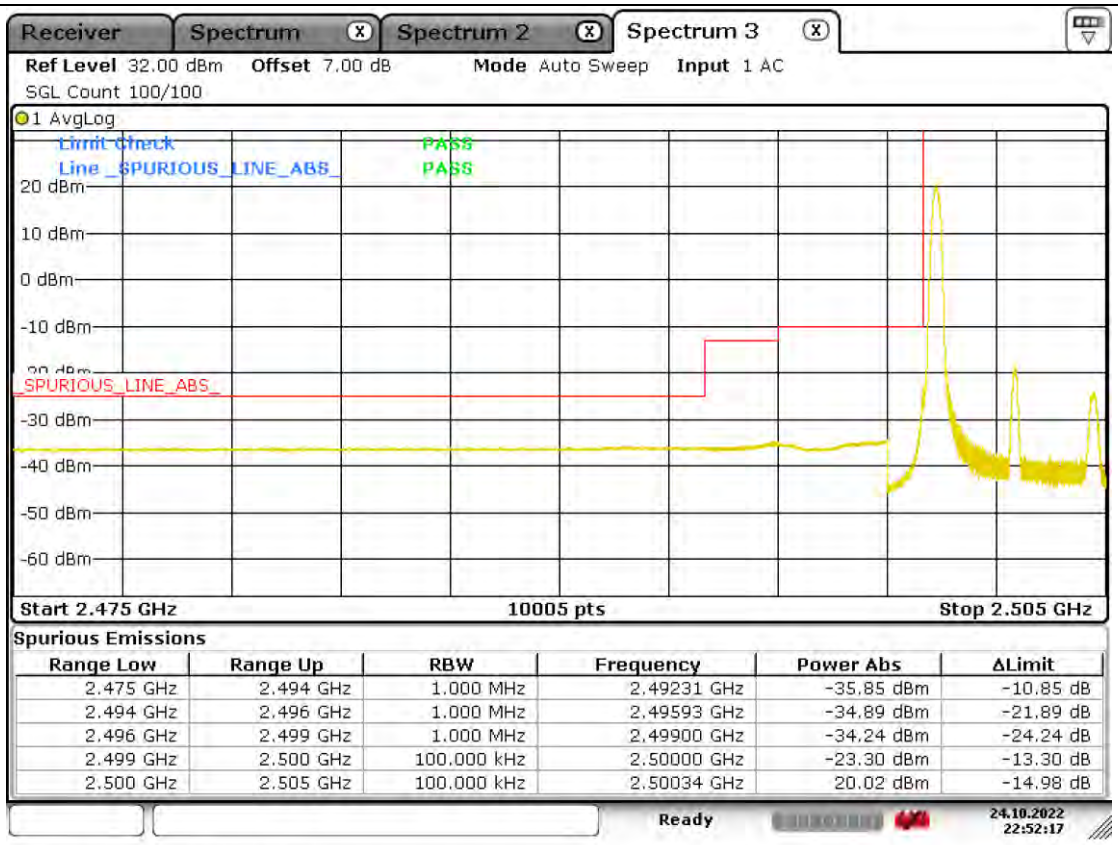
Band7-5MHz-QPSK-21425-1RB#24



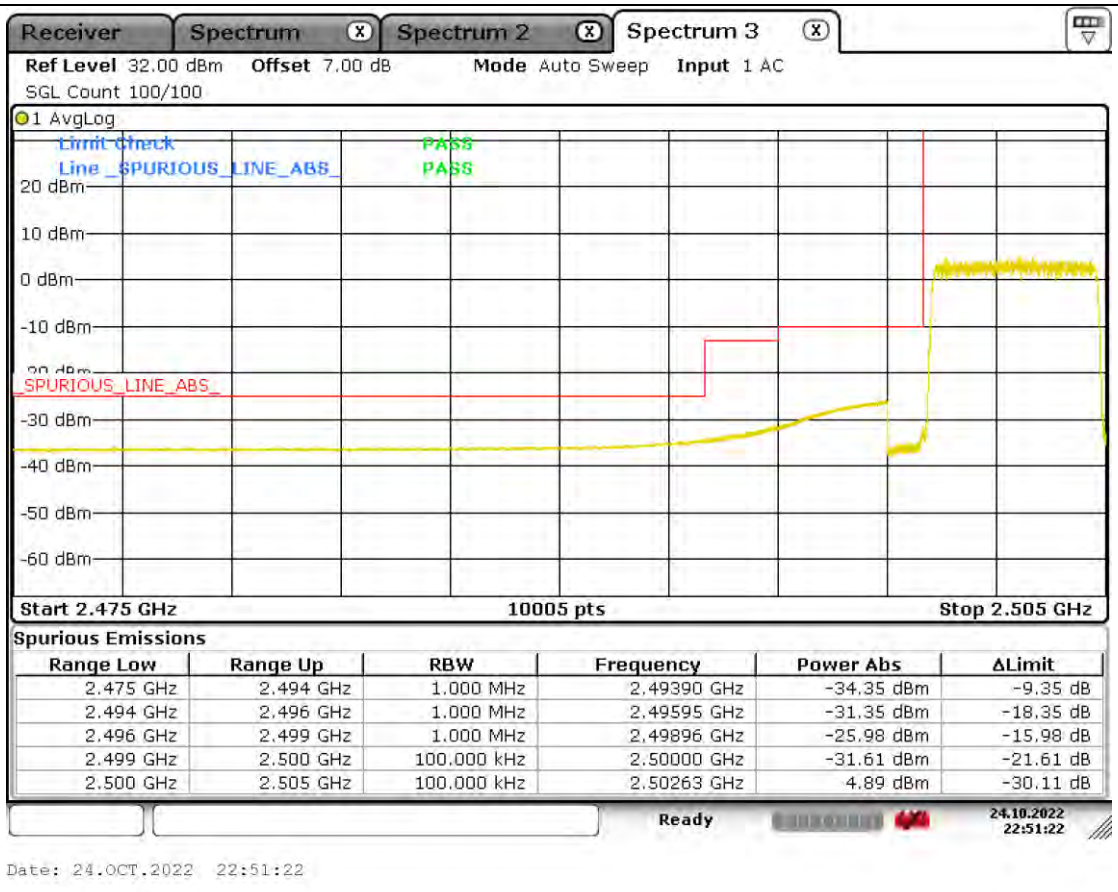
Band7-5MHz-QPSK-21425-25RB#0



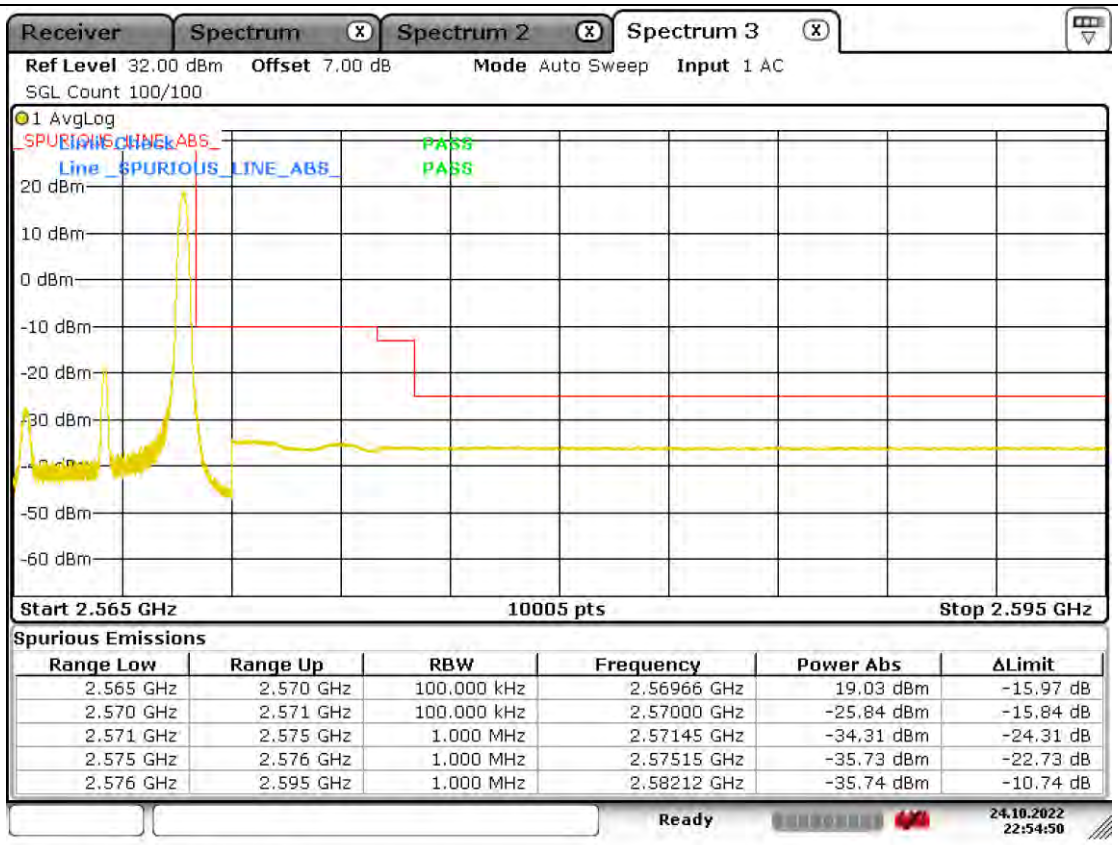
Band7-5MHz-16QAM-20775-1RB#0



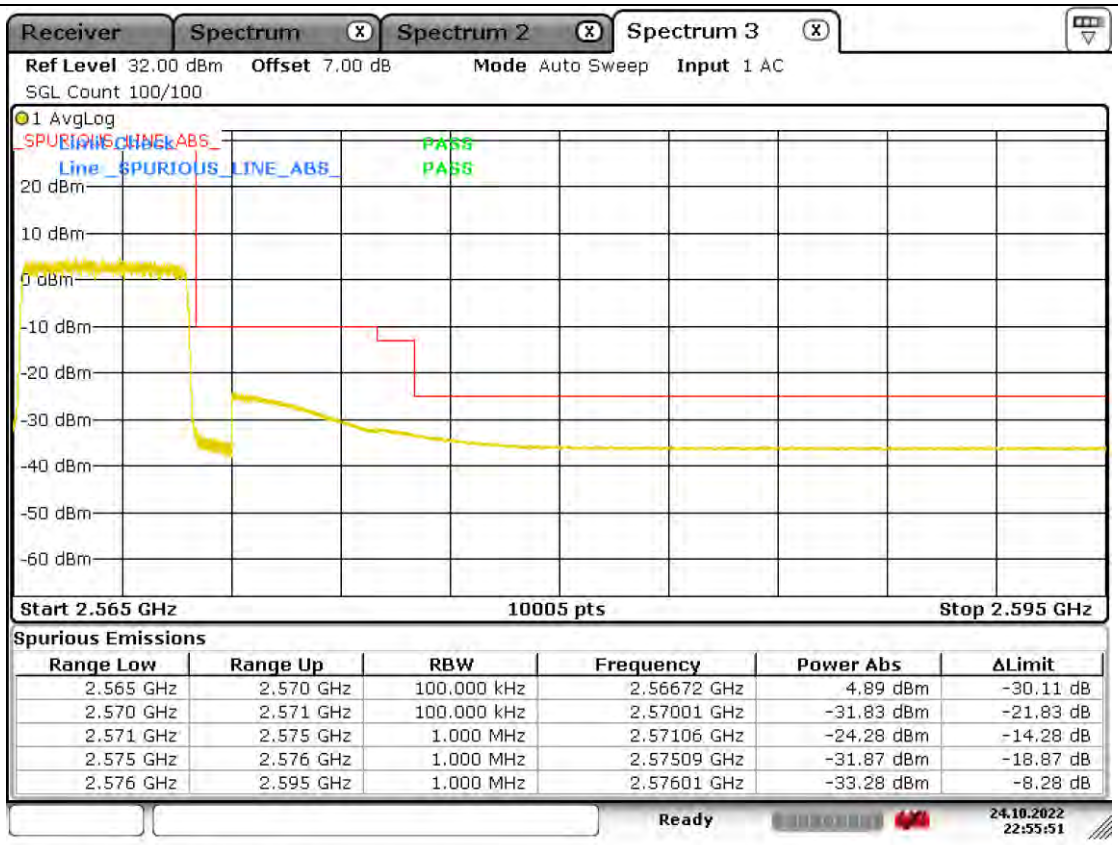
Band7-5MHz-16QAM-20775-25RB#0



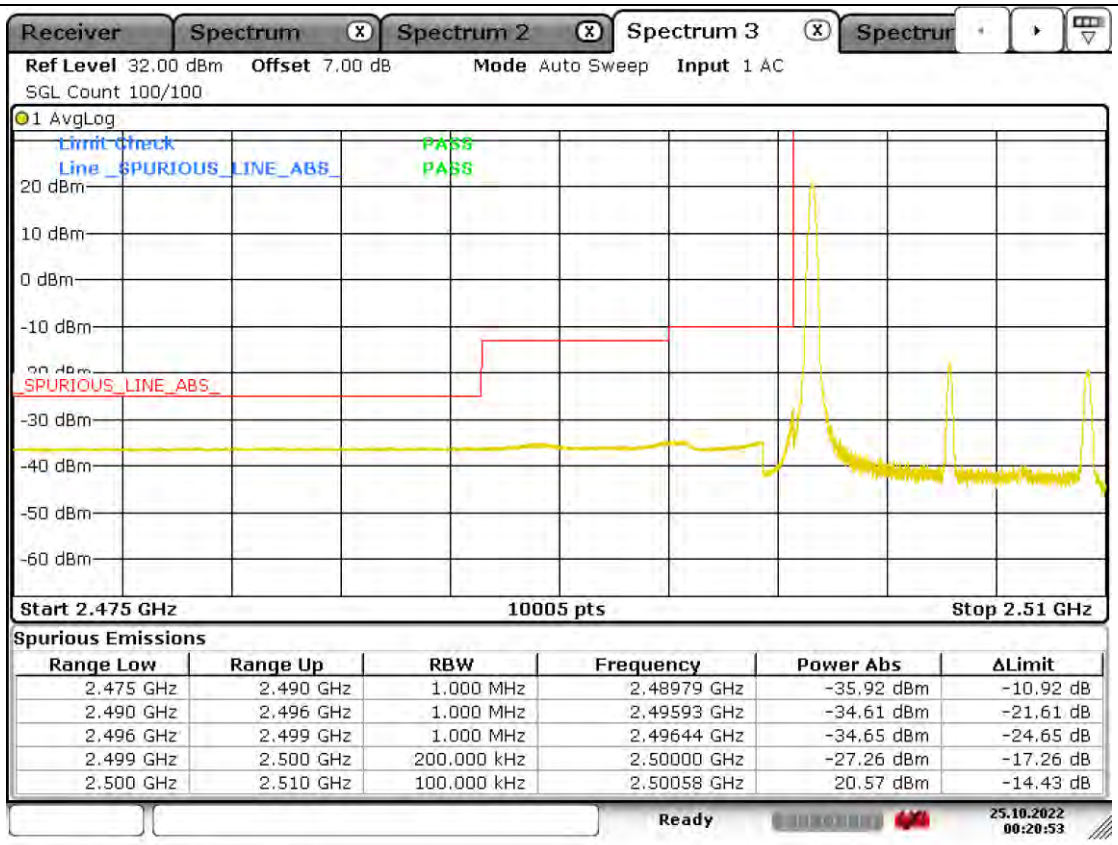
Band7-5MHz-16QAM-21425-1RB#24



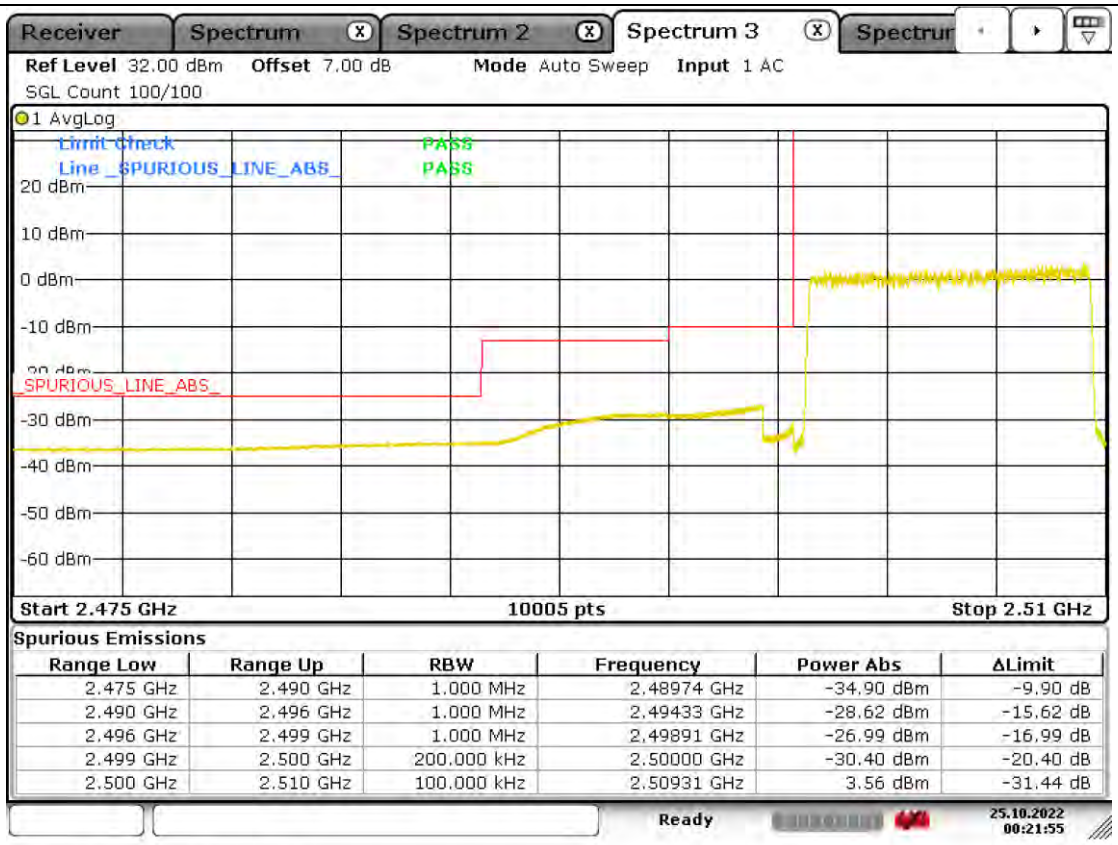
Band7-5MHz-16QAM-21425-25RB#0



Band7-10MHz-QPSK-20800-1RB#0



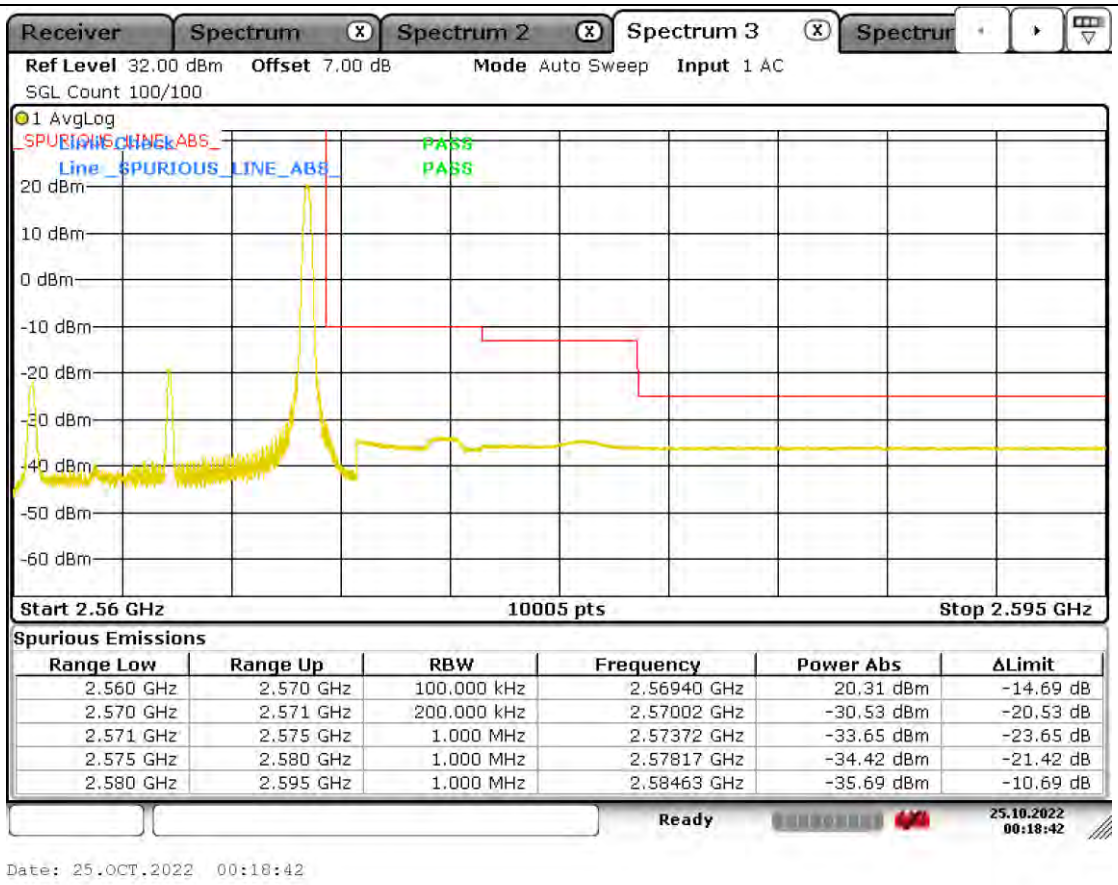
Band7-10MHz-QPSK-20800-50RB#0



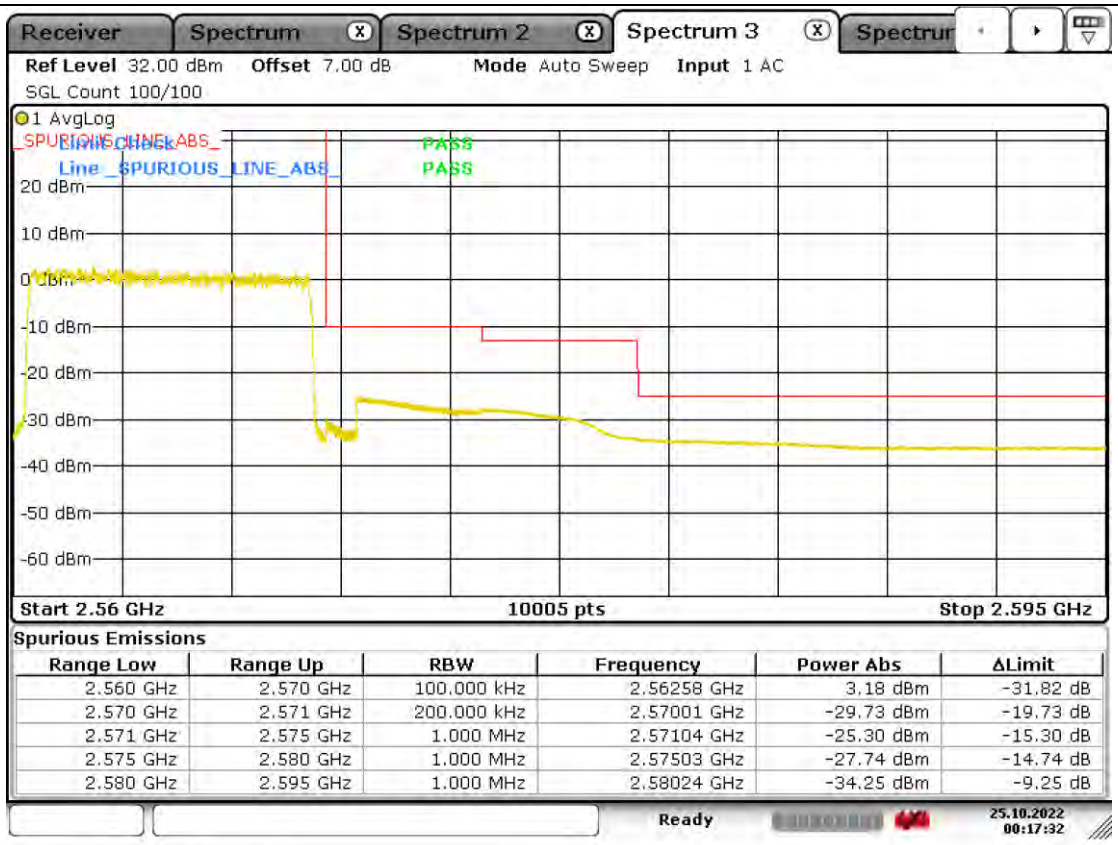
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48974 GHz	-34.90 dBm	-9.90 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49433 GHz	-28.62 dBm	-15.62 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-26.99 dBm	-16.99 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-30.40 dBm	-20.40 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50931 GHz	3.56 dBm	-31.44 dB

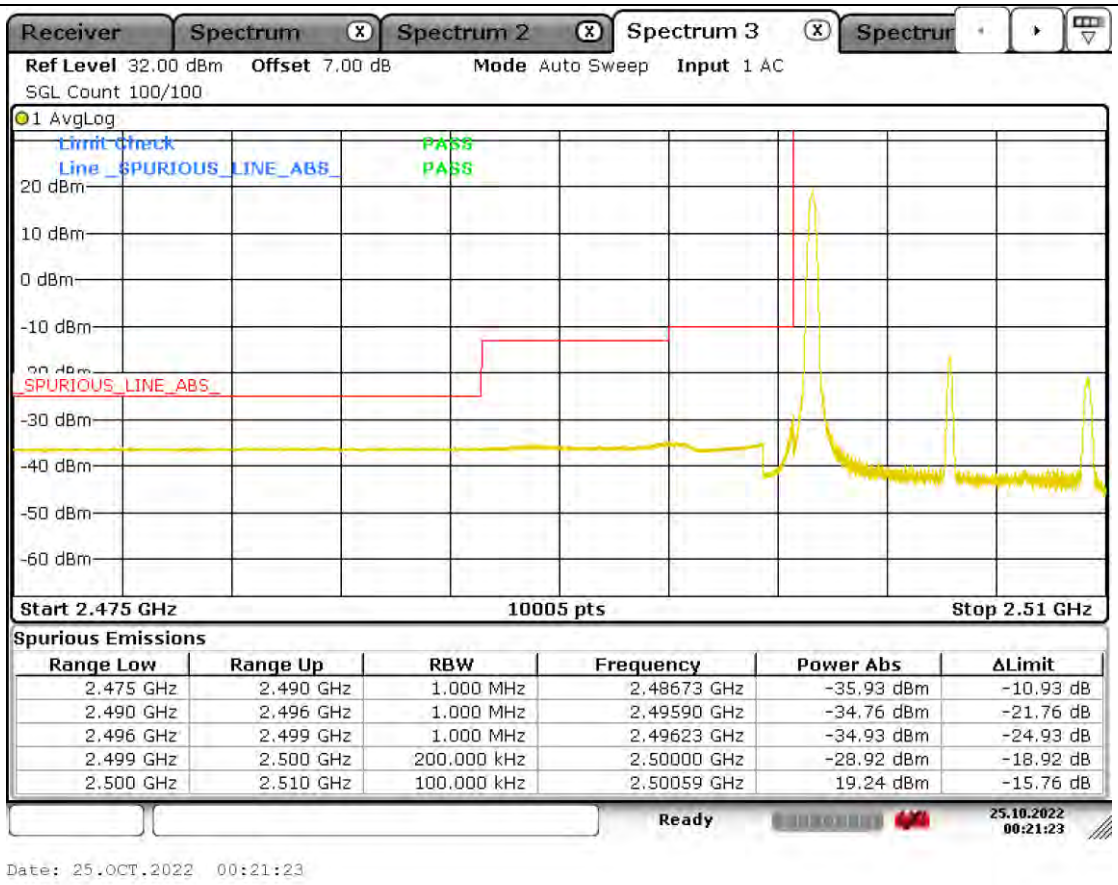
Band7-10MHz-QPSK-21400-1RB#49



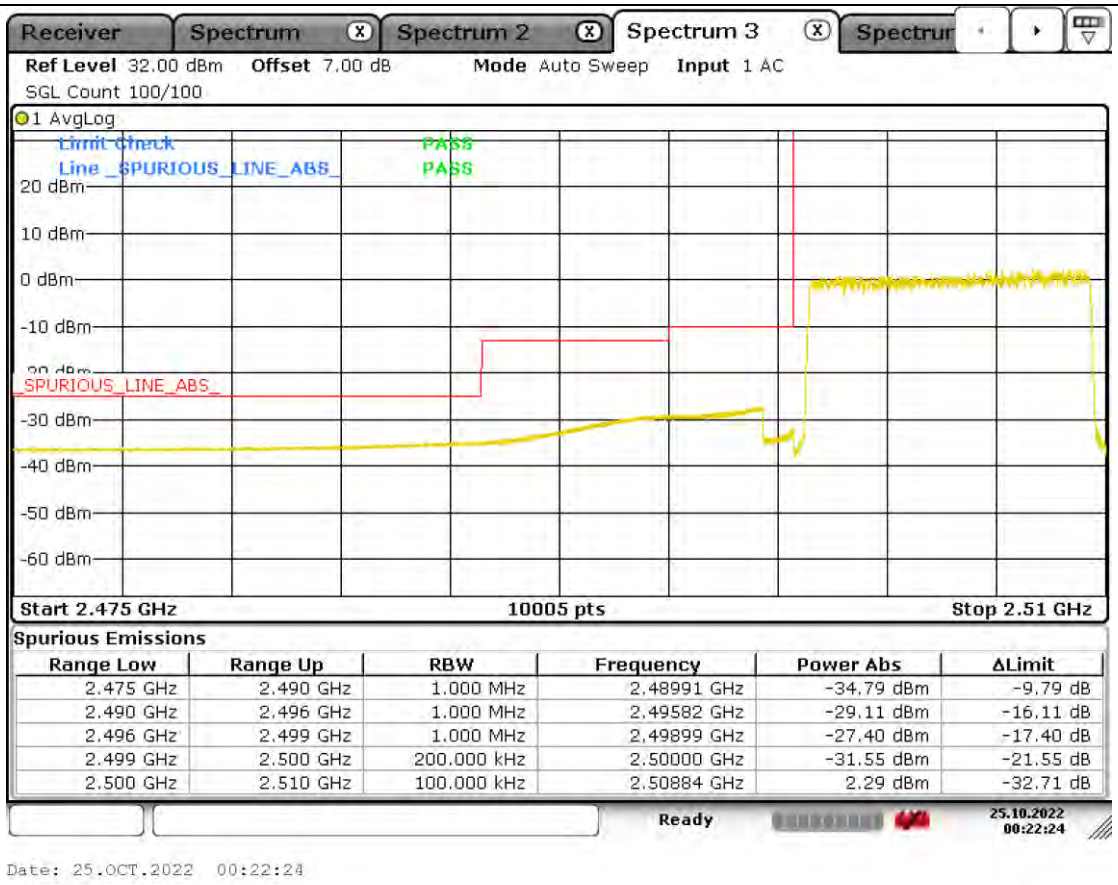
Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-1RB#0



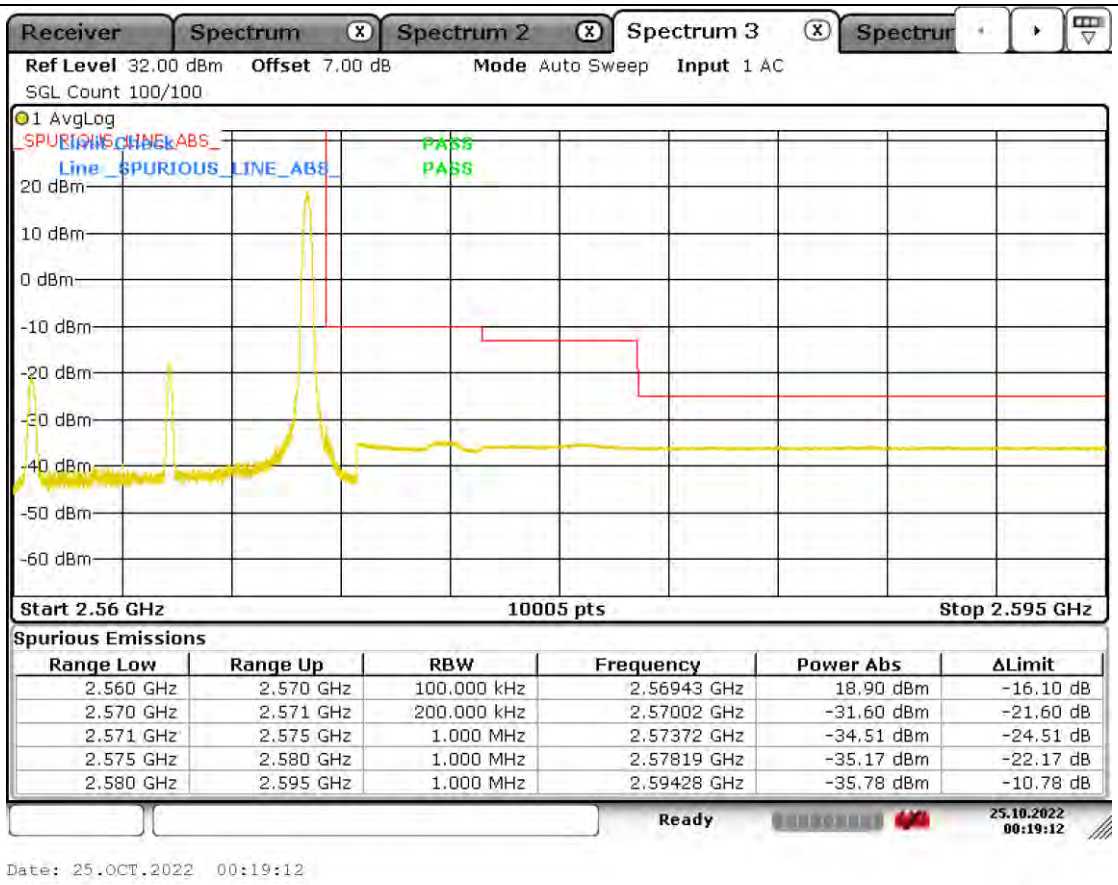
Band7-10MHz-16QAM-20800-50RB#0



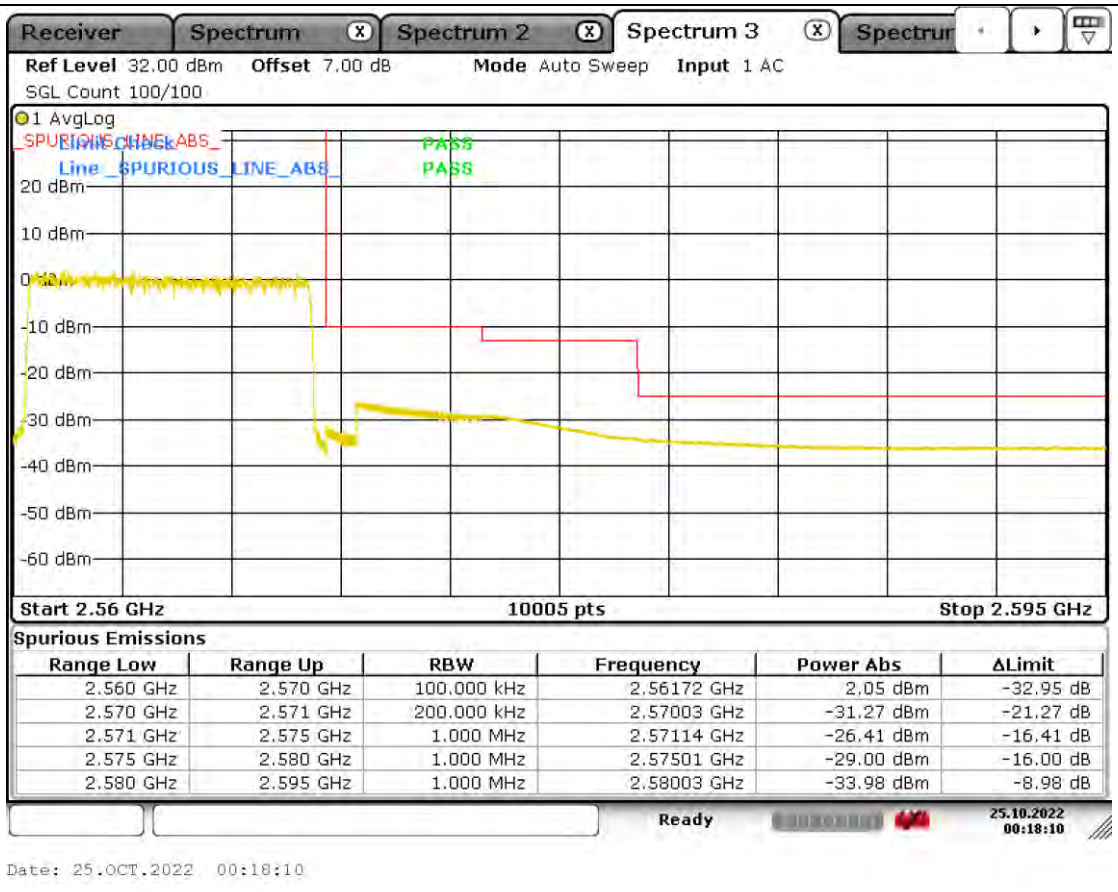
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48991 GHz	-34.79 dBm	-9.79 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49582 GHz	-29.11 dBm	-16.11 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-27.40 dBm	-17.40 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-31.55 dBm	-21.55 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50884 GHz	2.29 dBm	-32.71 dB

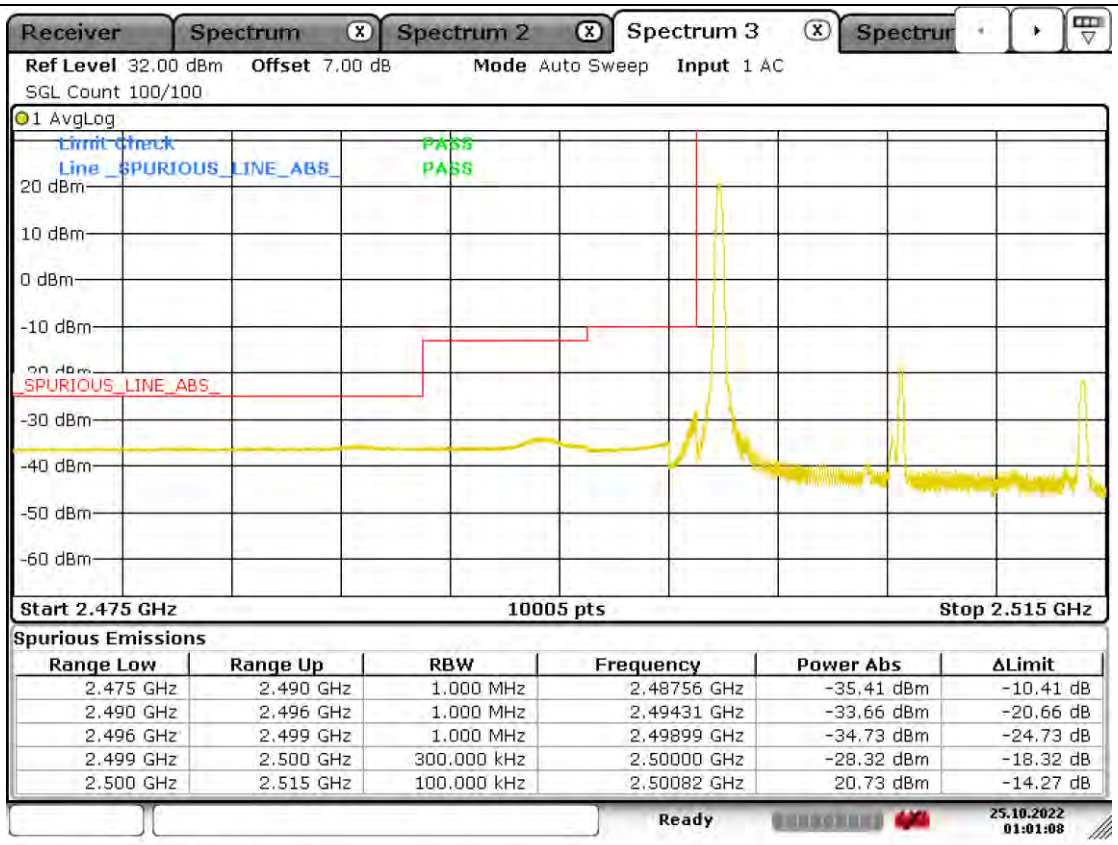
Band7-10MHz-16QAM-21400-1RB#49



Band7-10MHz-16QAM-21400-50RB#0



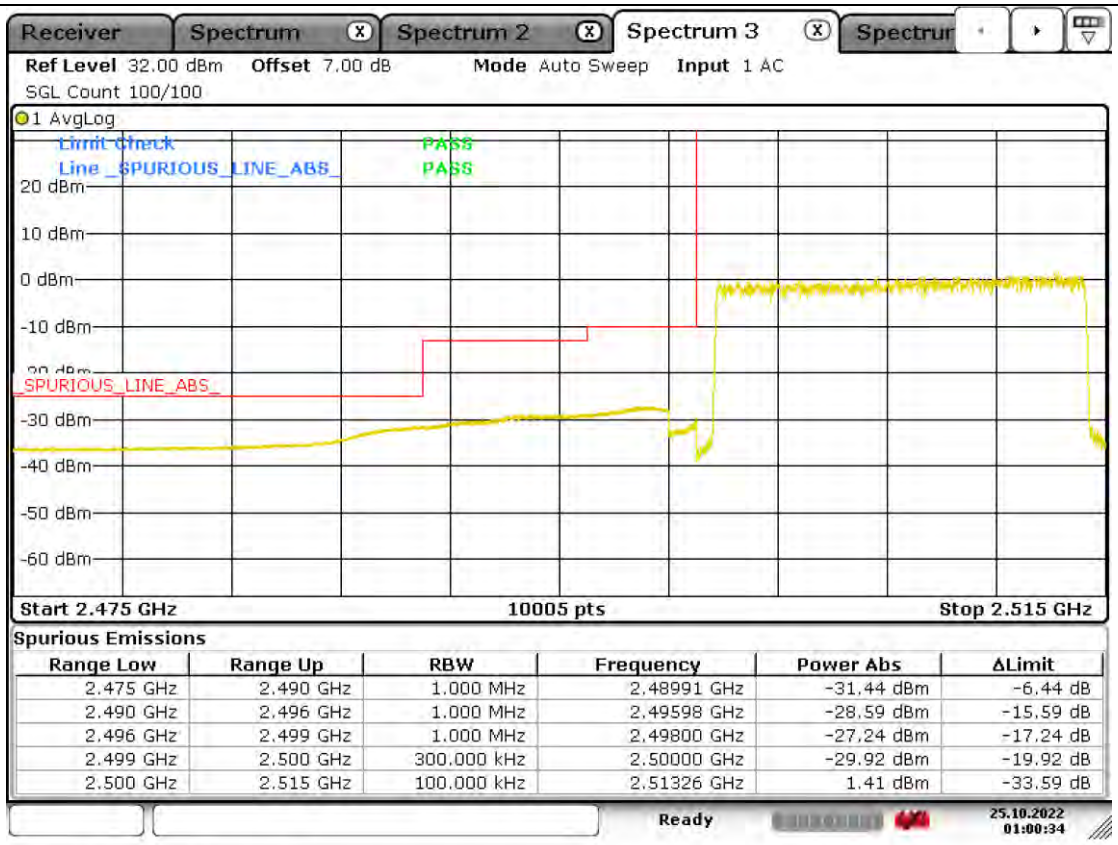
Band7-15MHz-QPSK-20825-1RB#0



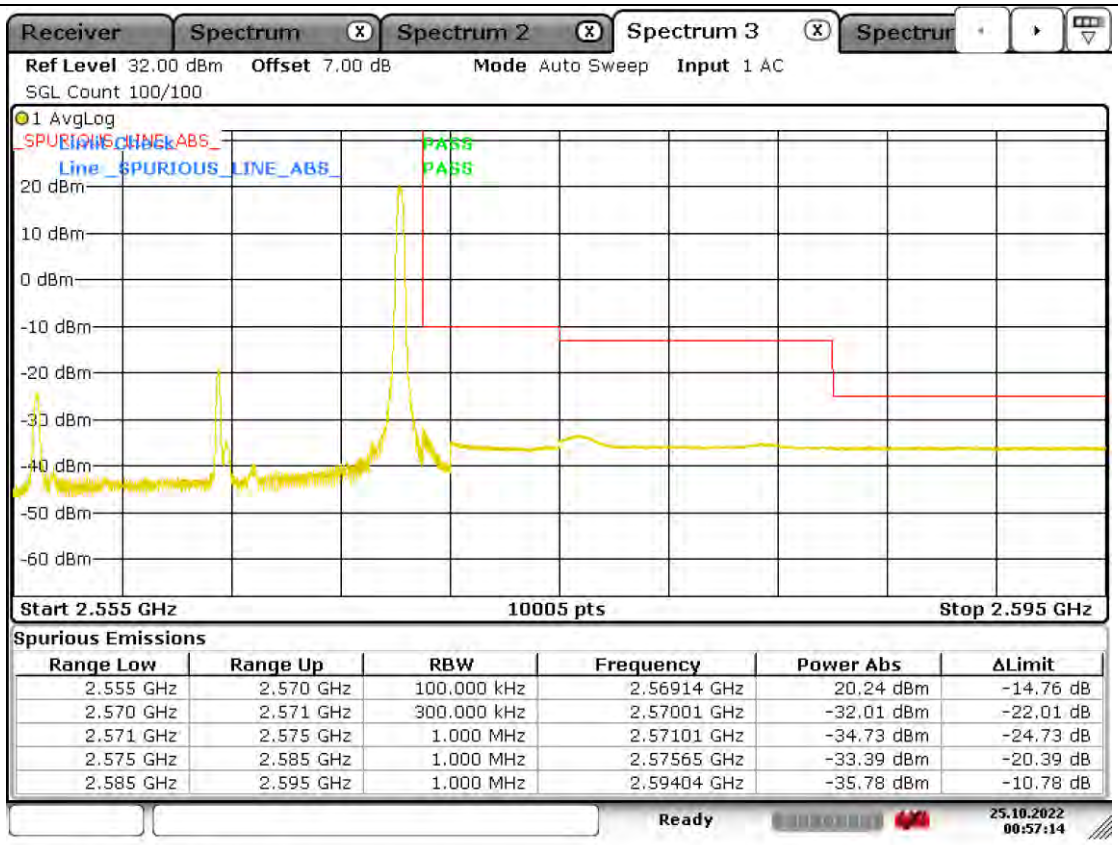
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48756 GHz	-35.41 dBm	-10.41 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49431 GHz	-33.66 dBm	-20.66 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-34.73 dBm	-24.73 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-28.32 dBm	-18.32 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50082 GHz	20.73 dBm	-14.27 dB

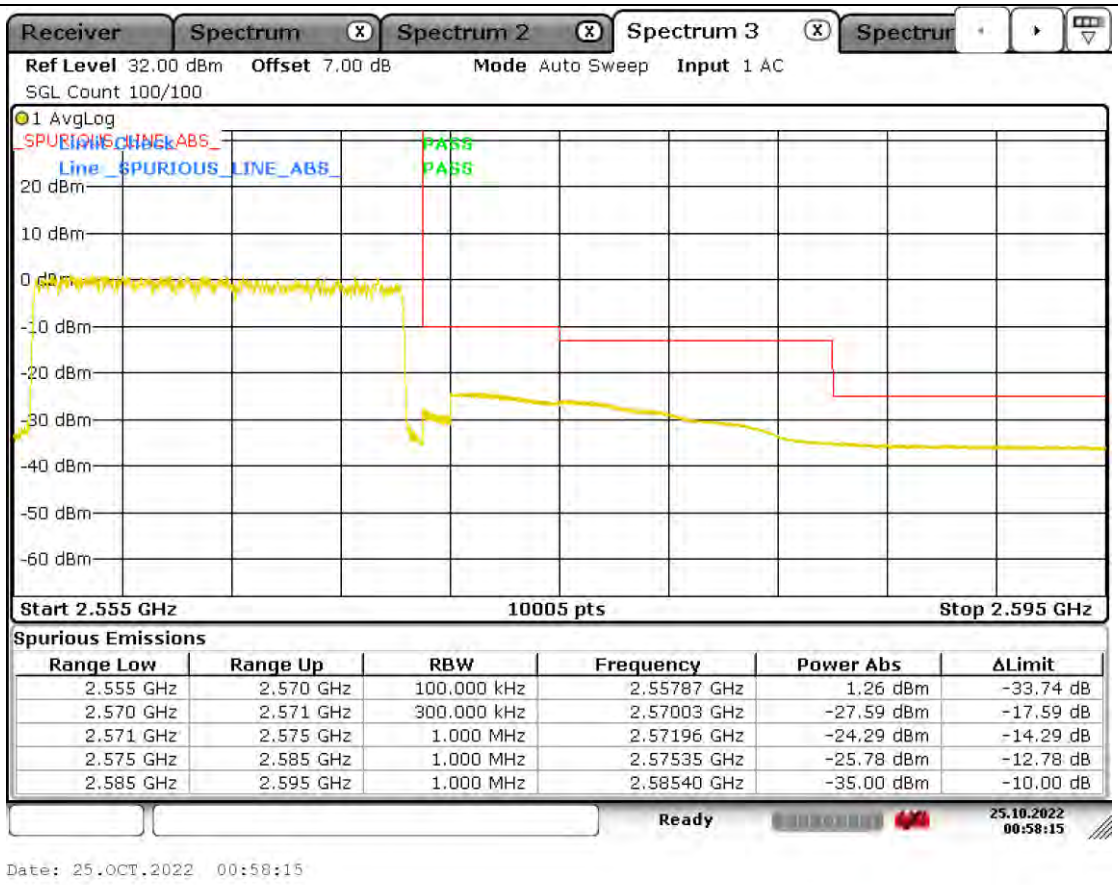
Band7-15MHz-QPSK-20825-75RB#0



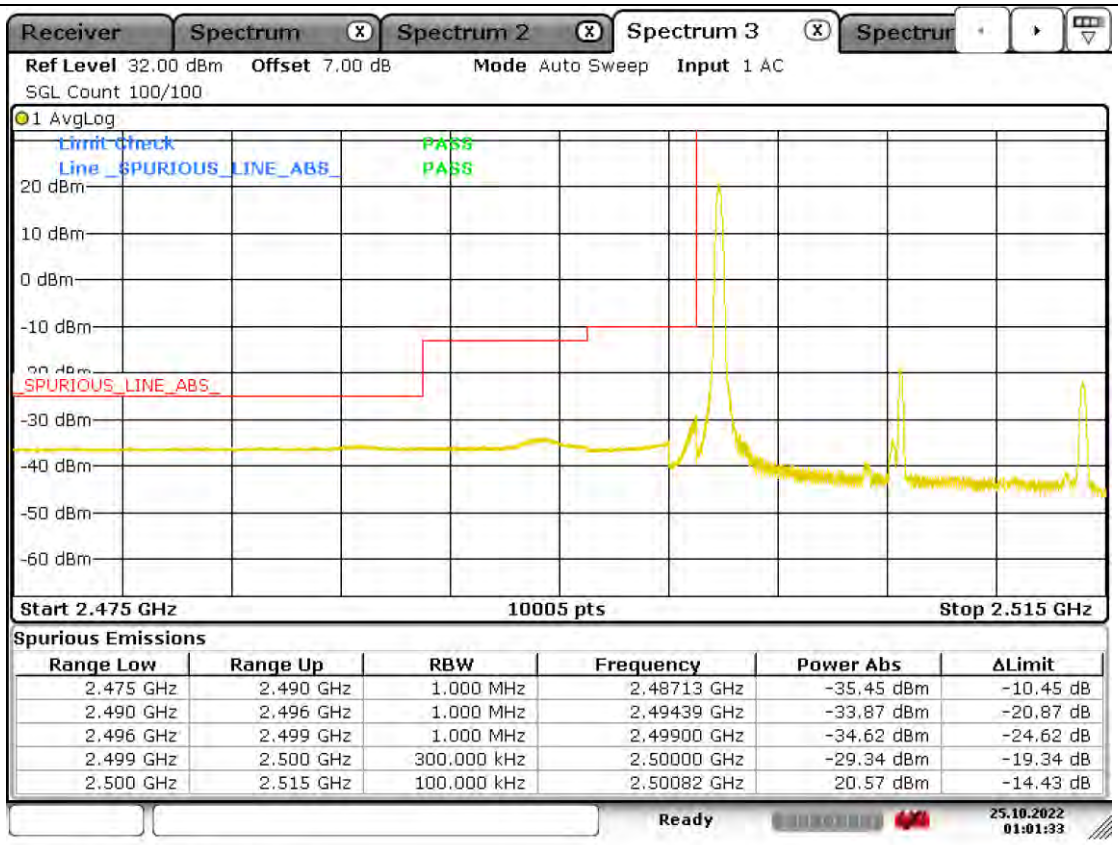
Band7-15MHz-QPSK-21375-1RB#74



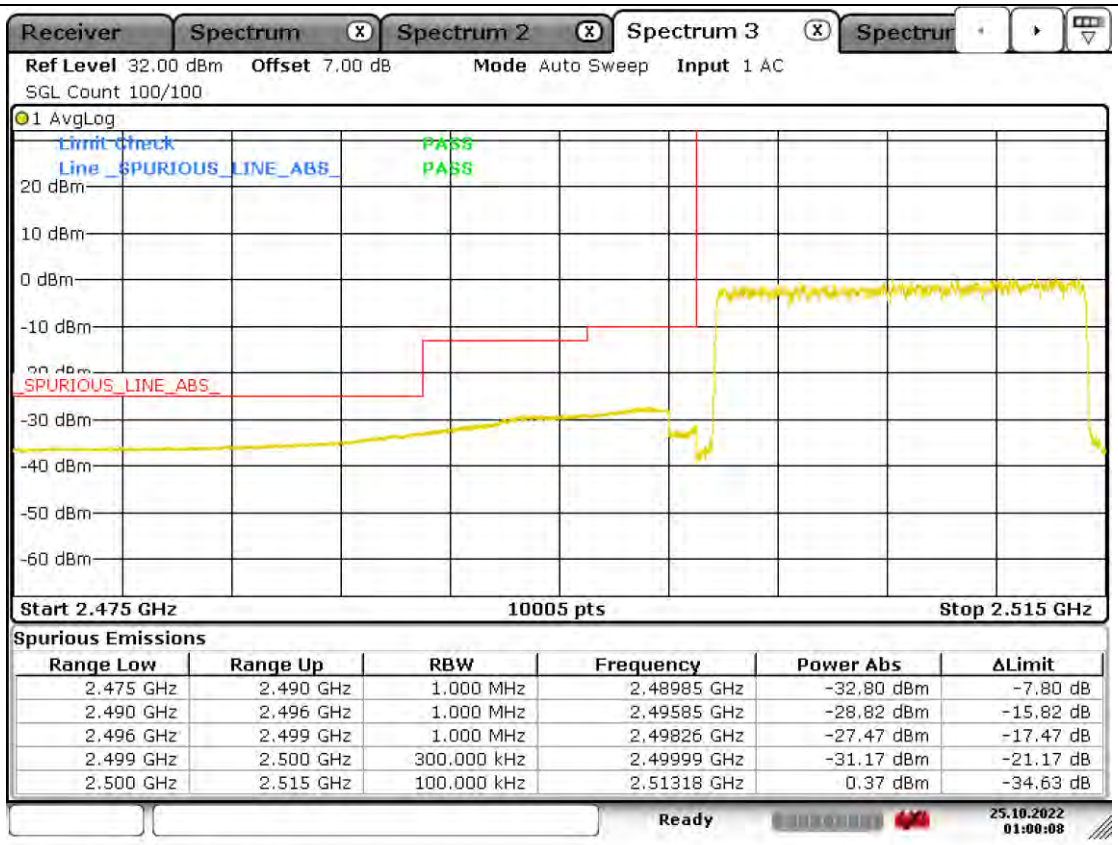
Band7-15MHz-QPSK-21375-75RB#0



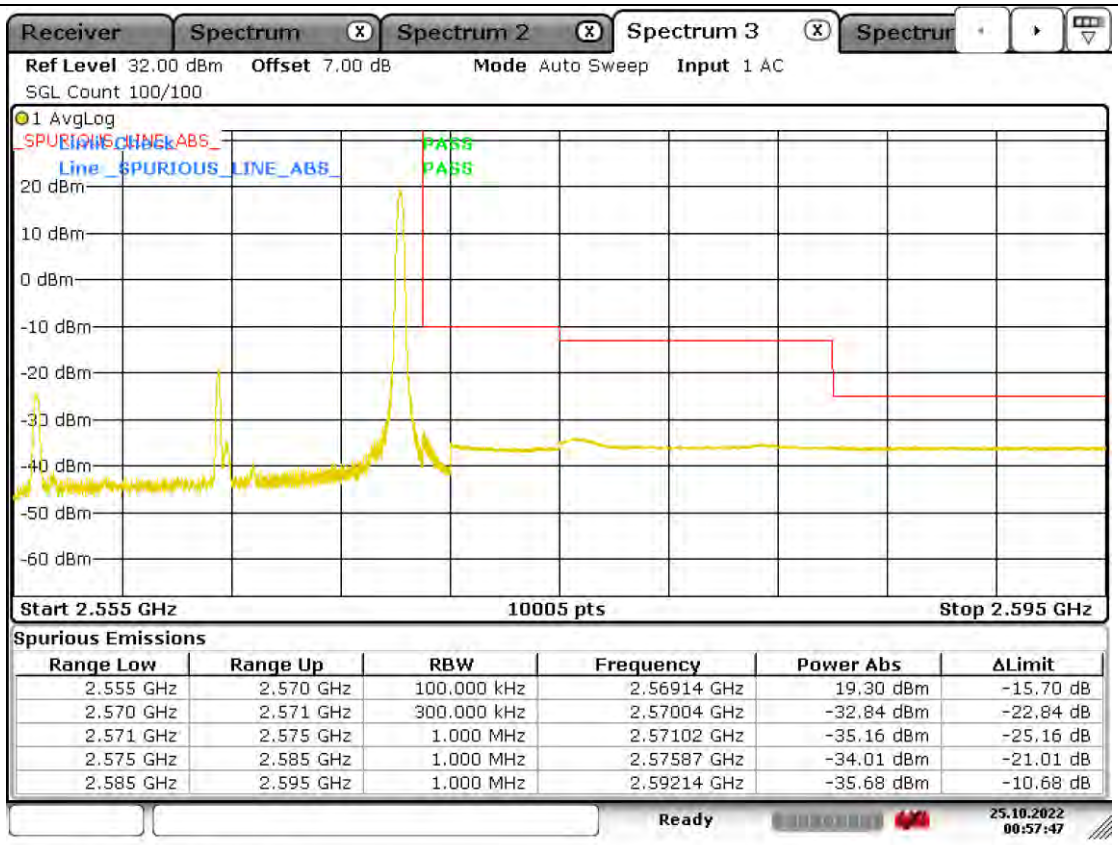
Band7-15MHz-16QAM-20825-1RB#0



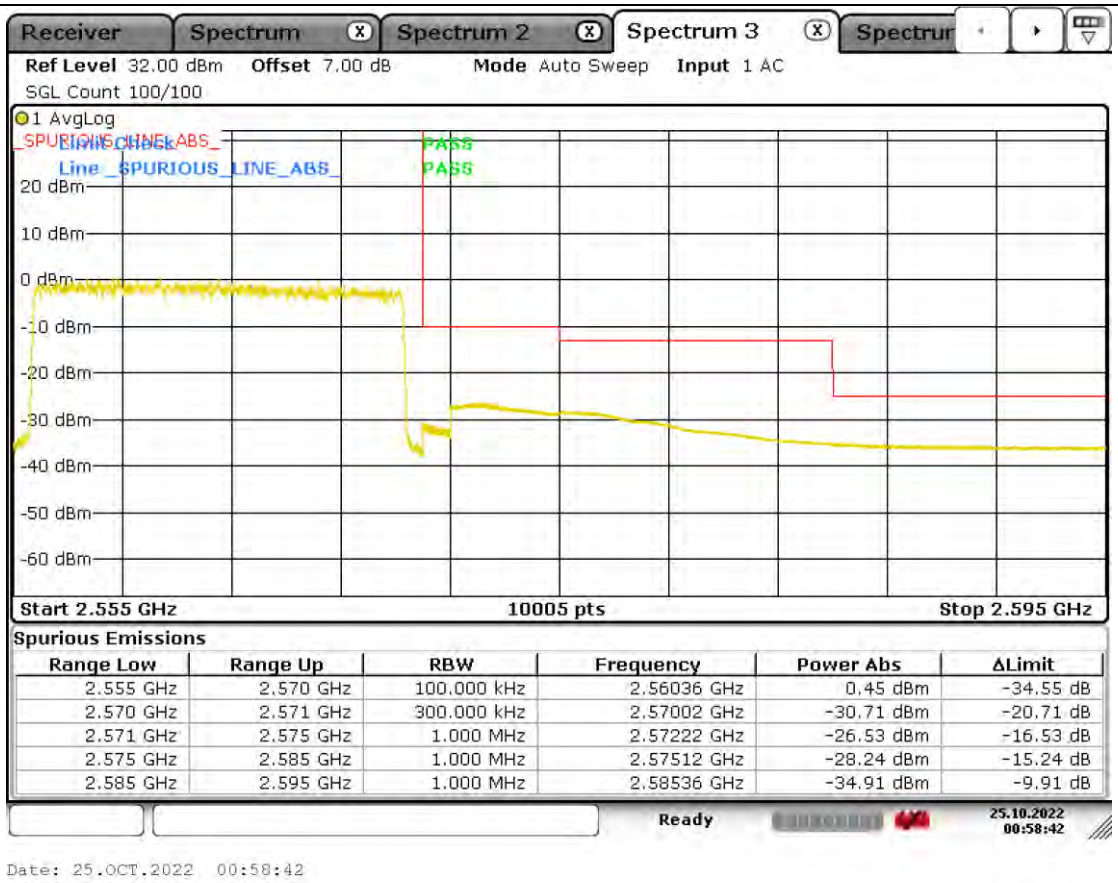
Band7-15MHz-16QAM-20825-75RB#0



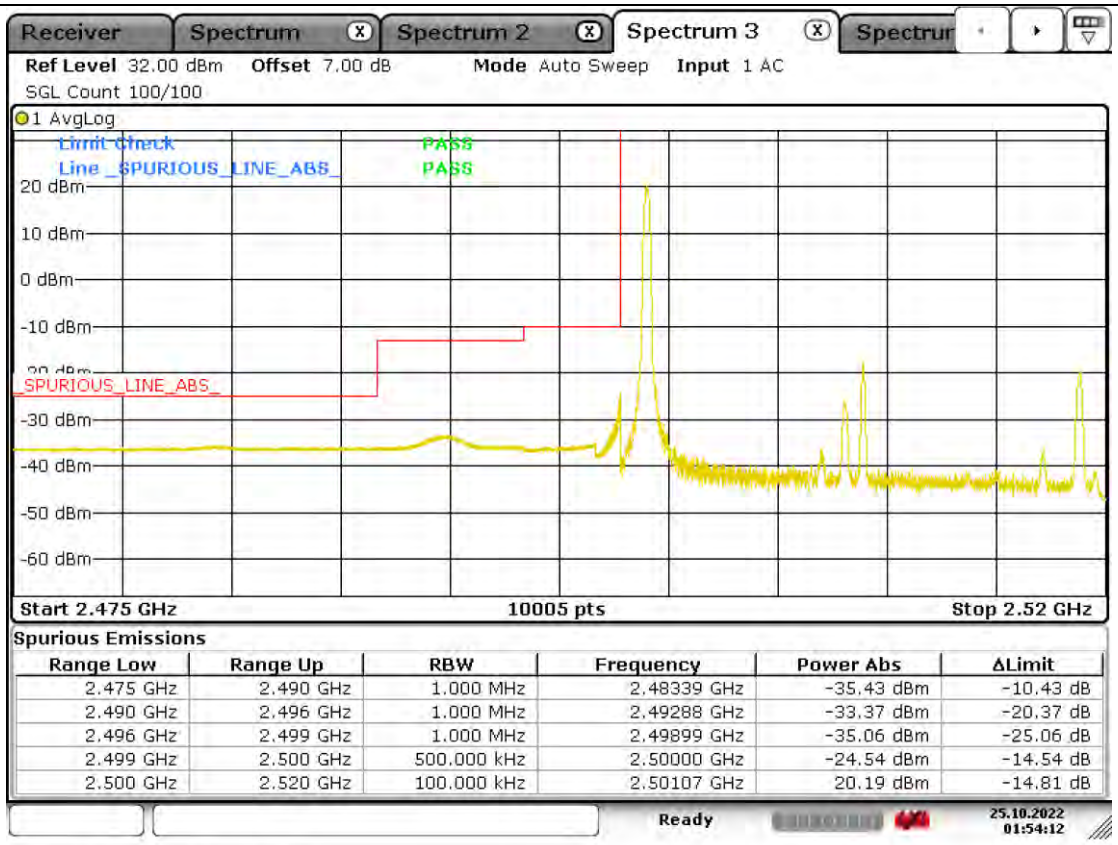
Band7-15MHz-16QAM-21375-1RB#74



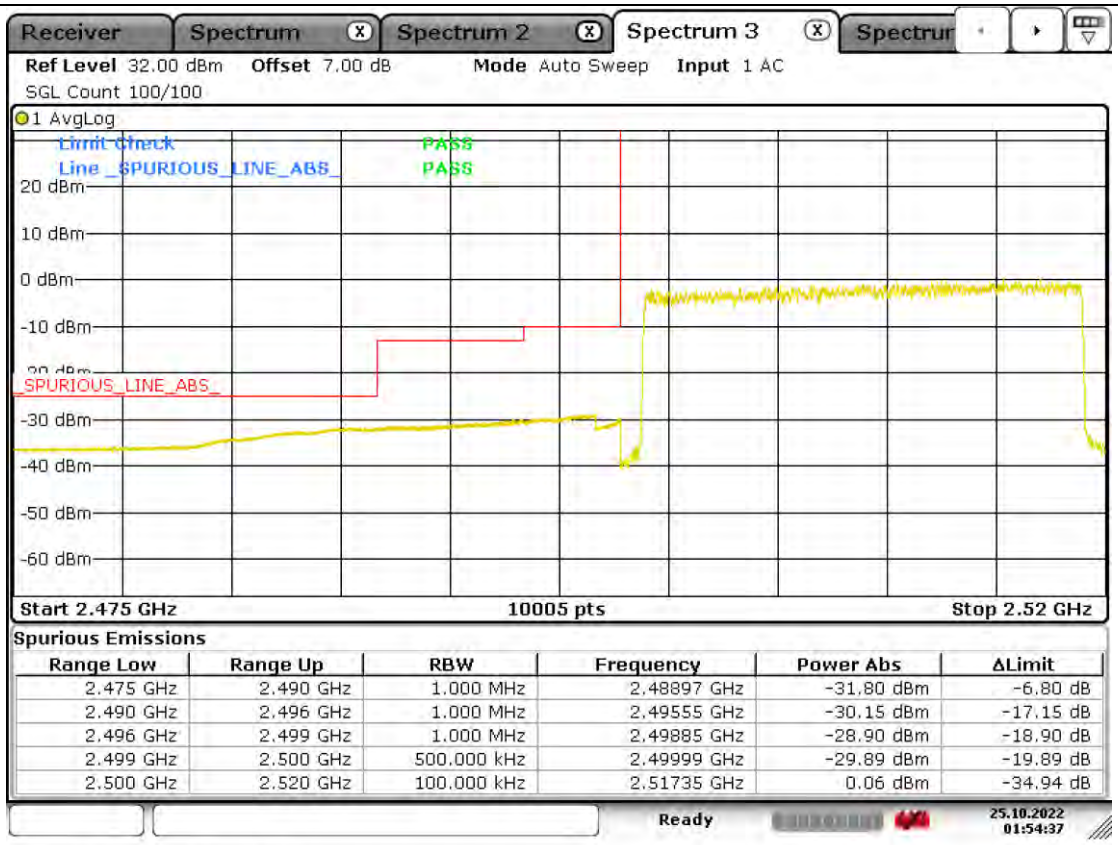
Band7-15MHz-16QAM-21375-75RB#0



Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



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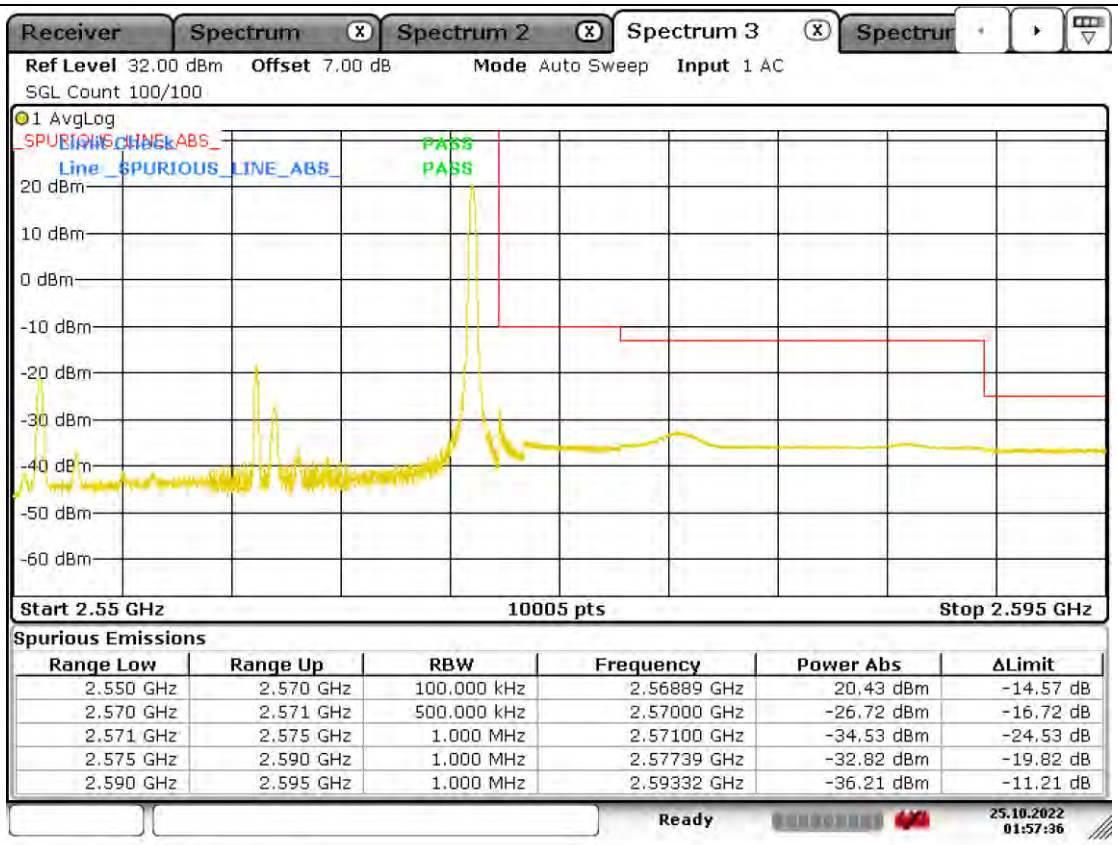
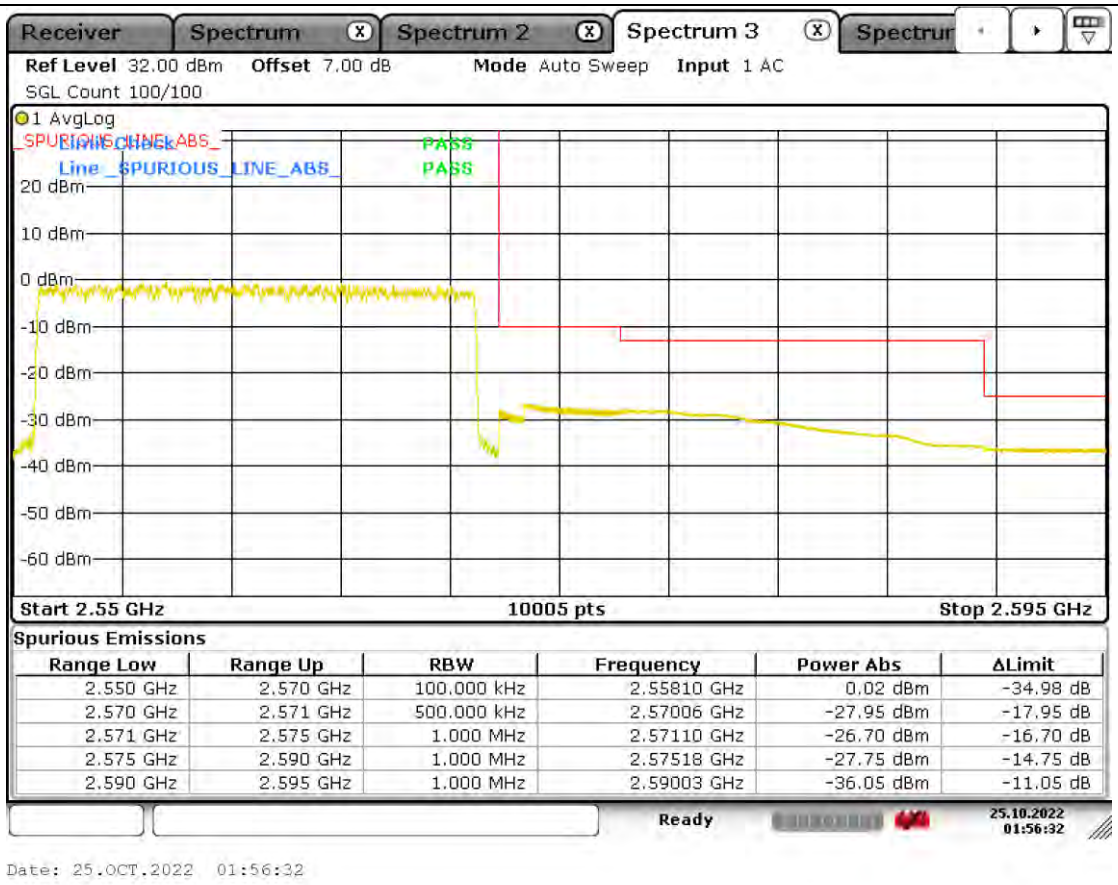
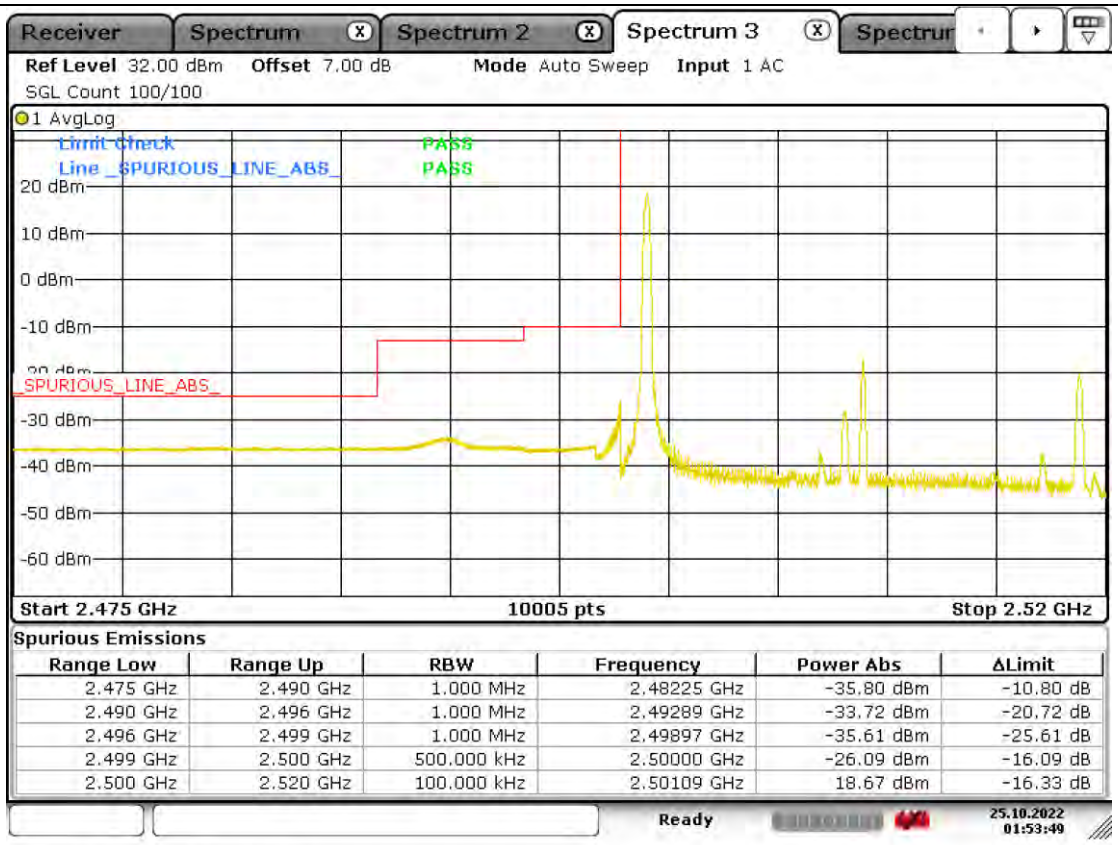


Band7-20MHz-QPSK-21350-100RB#0



Band7-20MHz-16QAM-20850-1RB#0



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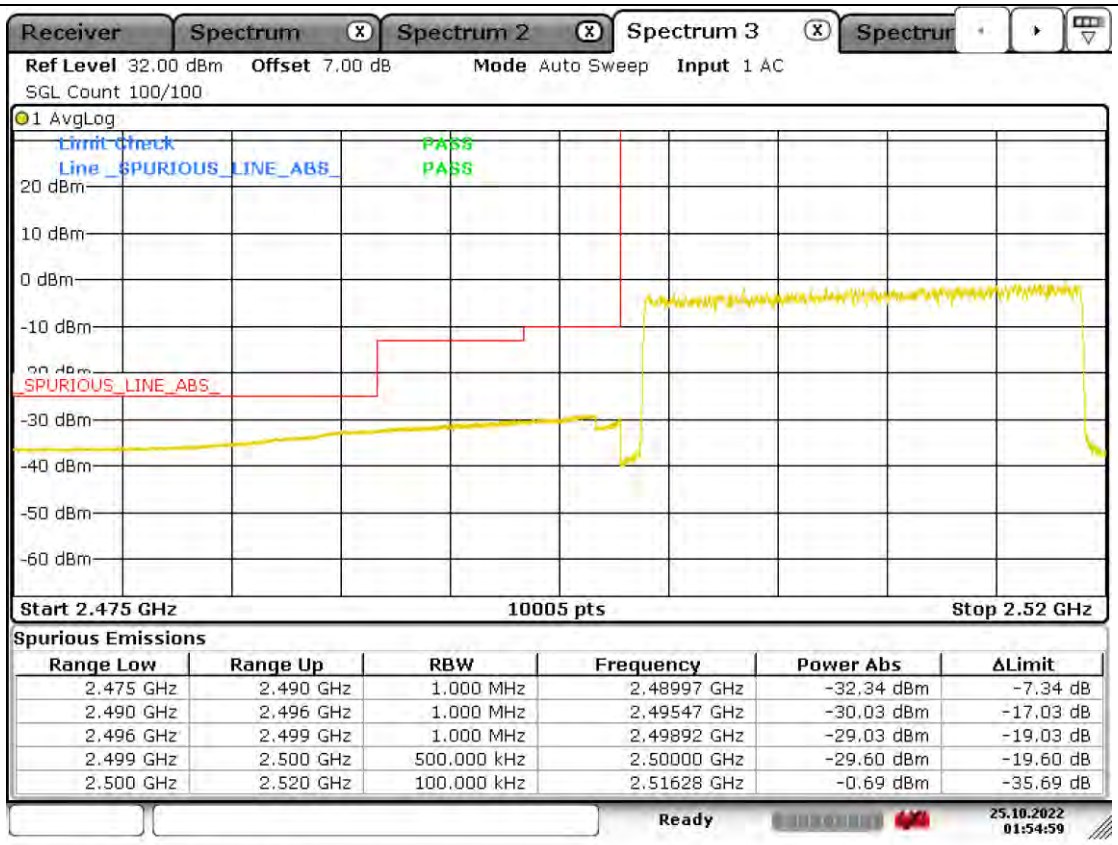
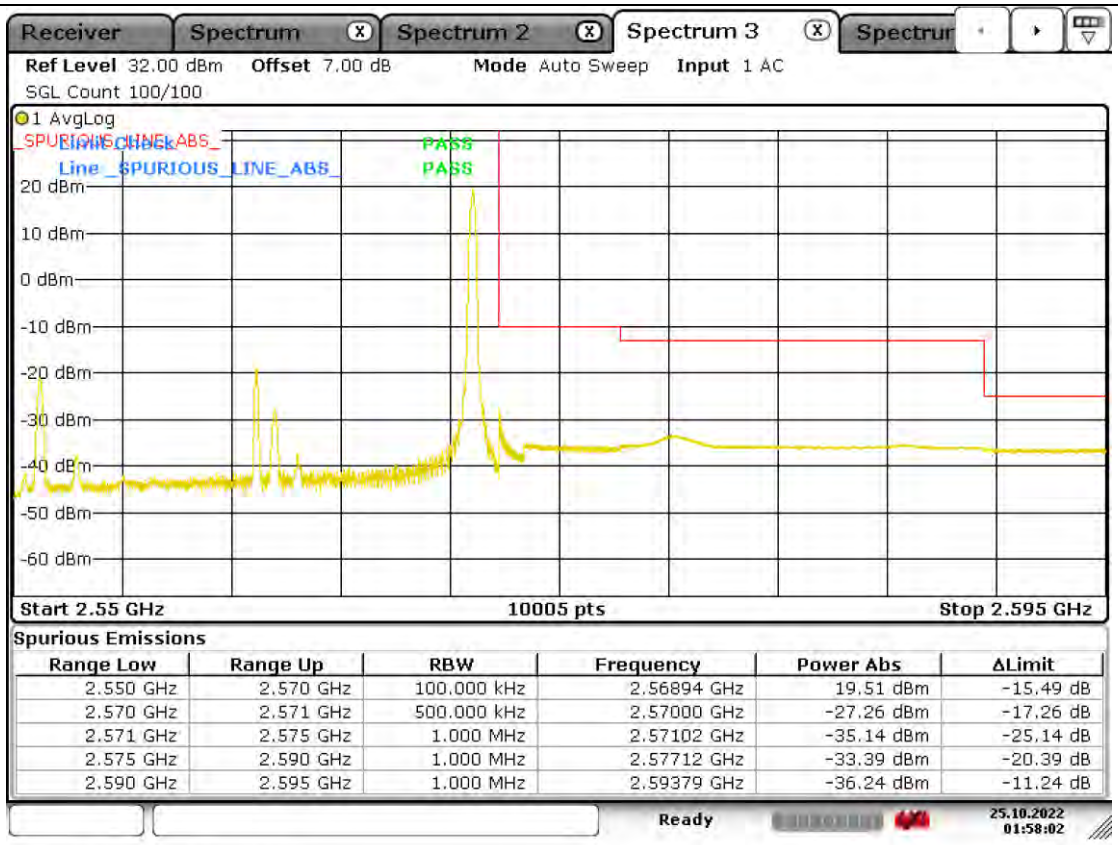
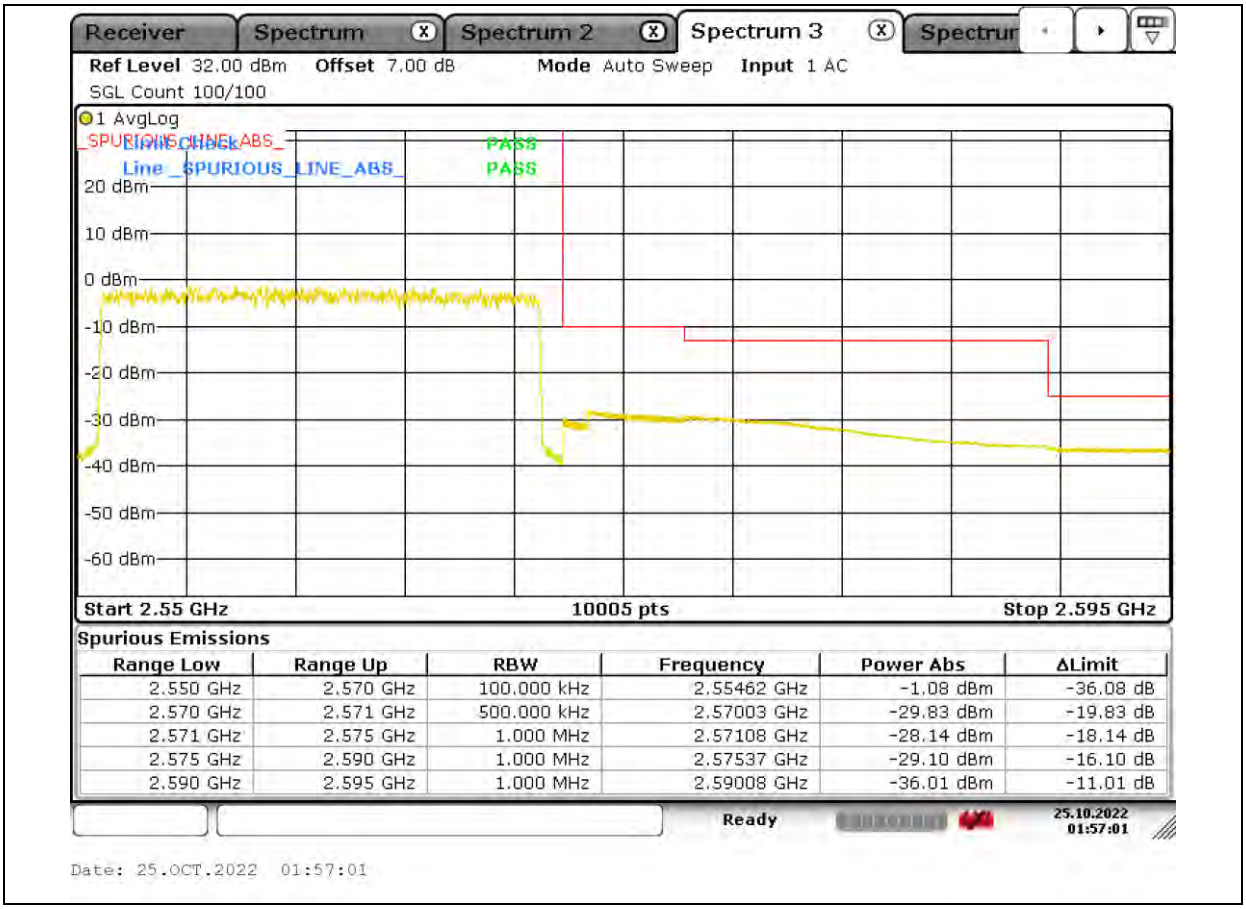


Band7-20MHz-16QAM-21350-1RB#99



Band7-20MHz-16QAM-21350-100RB#0


Receiver
Spectrum
Spectrum 2
Spectrum 3
Ref Level 32.00 dBm Offset 7.00 dB Mode Auto Sweep Input 1 AC
SGL Count 100/100
1 AvgLog
Limit Check PASS
Line _SPURIOUS_LINE_ABS_ PASS
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
Start 2.55 GHz
10005 pts
Stop 2.595 GHz
Spurious Emissions
Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit
2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55462 GHz | -1.08 dBm | -36.08 dB
2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57003 GHz | -29.83 dBm | -19.83 dB
2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57108 GHz | -28.14 dBm | -18.14 dB
2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57537 GHz | -29.10 dBm | -16.10 dB
2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59008 GHz | -36.01 dBm | -11.01 dB
Ready
25.10.2022
01:57:01
Date: 25.OCT.2022 01:57:01

CONDUCTED SPURIOUS EMISSION

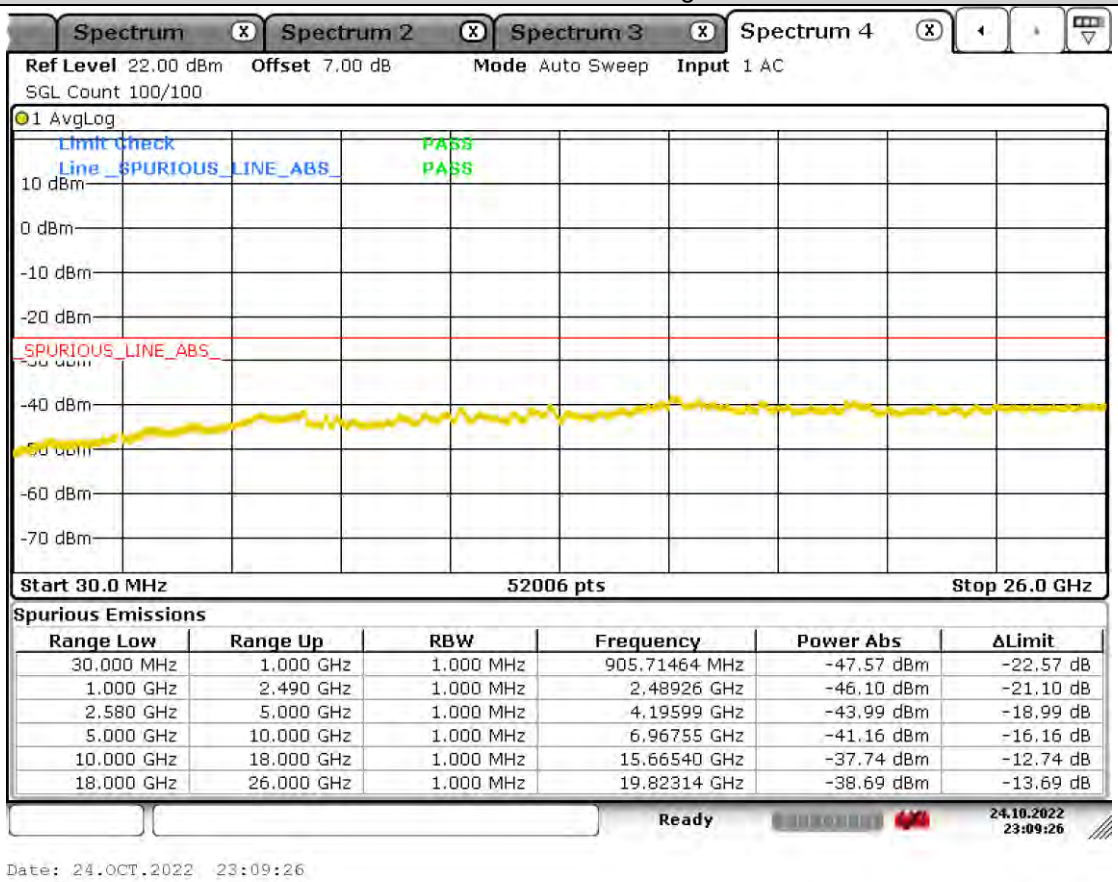
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47.57	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:1000~26000MHz	-37.74	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.61	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:1000~26000MHz	-37.84	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-47.48	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:1000~26000MHz	-37.8	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-47.69	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:1000~26000MHz	-38	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.78	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:1000~26000MHz	-37.84	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:1000~26000MHz	-37.75	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-47.4	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:1000~26000MHz	-37.86	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.63	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:1000~26000MHz	-37.8	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-47.7	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:1000~26000MHz	-37.59	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-47.63	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:1000~26000MHz	-37.48	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.82	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:1000~26000MHz	-37.82	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-47.68	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:1000~26000MHz	-37.82	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-47.5	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:1000~26000MHz	-37.65	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.76	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:1000~26000MHz	-37.78	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-47.66	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:1000~26000MHz	-37.75	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-47.72	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:1000~26000MHz	-37.58	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.58	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:1000~26000MHz	-37.84	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-47.76	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:1000~26000MHz	-37.86	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-47.59	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:1000~26000MHz	-37.79	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.63	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:1000~26000MHz	-37.76	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:1000~26000MHz	-37.78	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-47.56	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:1000~26000MHz	-37.84	PASS

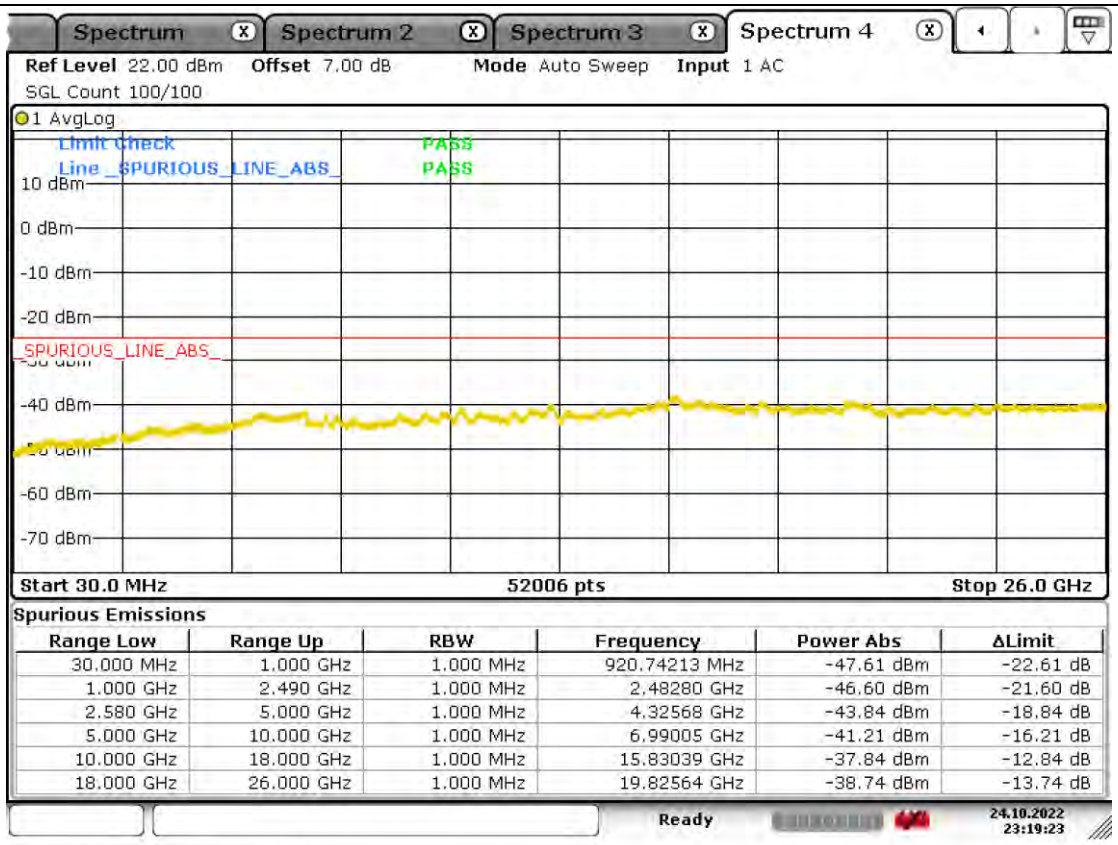
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.71	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:1000~26000MHz	-37.8	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-47.75	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:1000~26000MHz	-37.84	PASS

Test Graphs

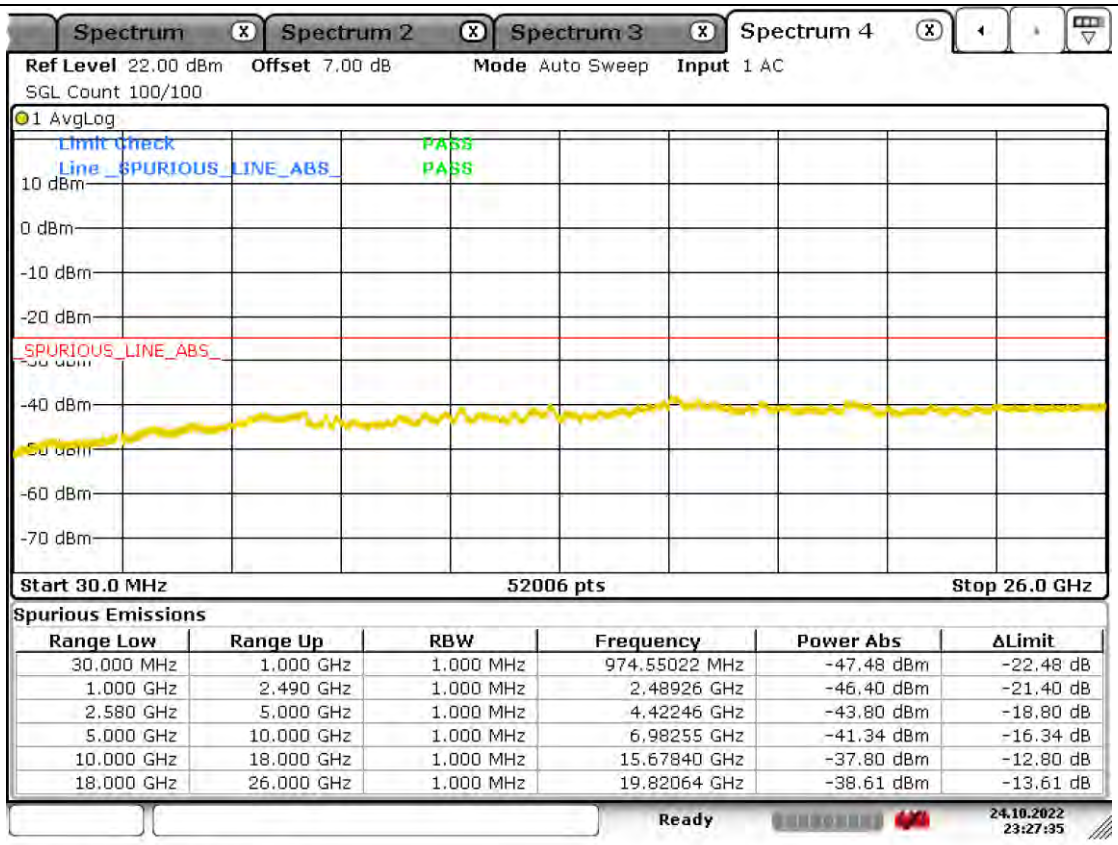
Band7-5MHz-QPSK-20775-1RB#0-Range1:30~26000MHz



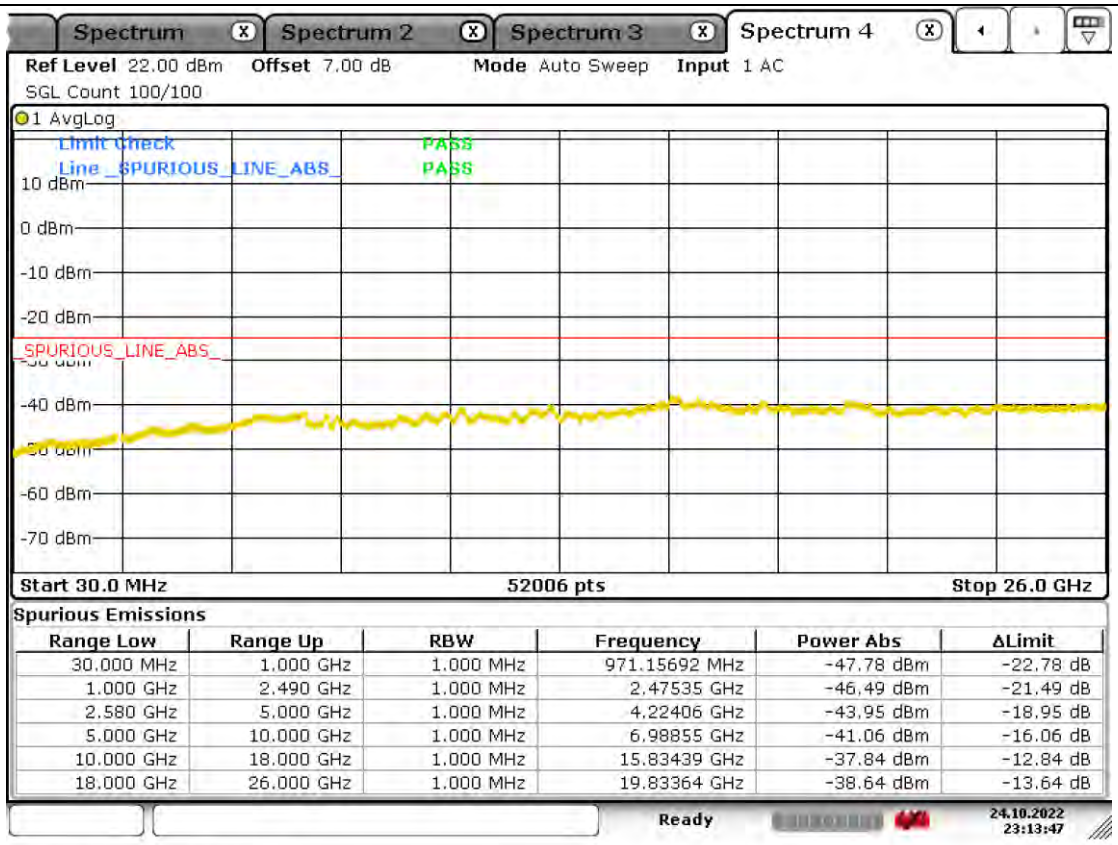
Band7-5MHz-QPSK-21100-1RB#0-Range1:30~26000MHz



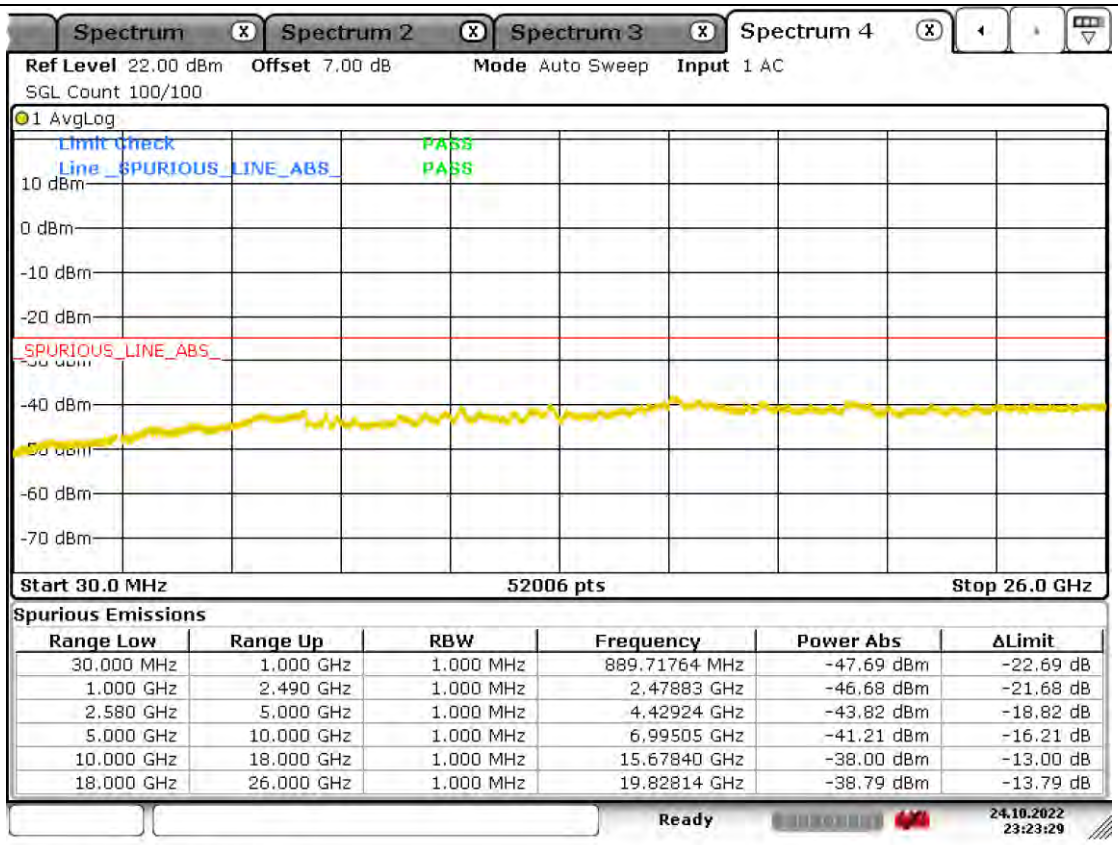
Band7-5MHz-QPSK-21425-1RB#0-Range1:30~26000MHz



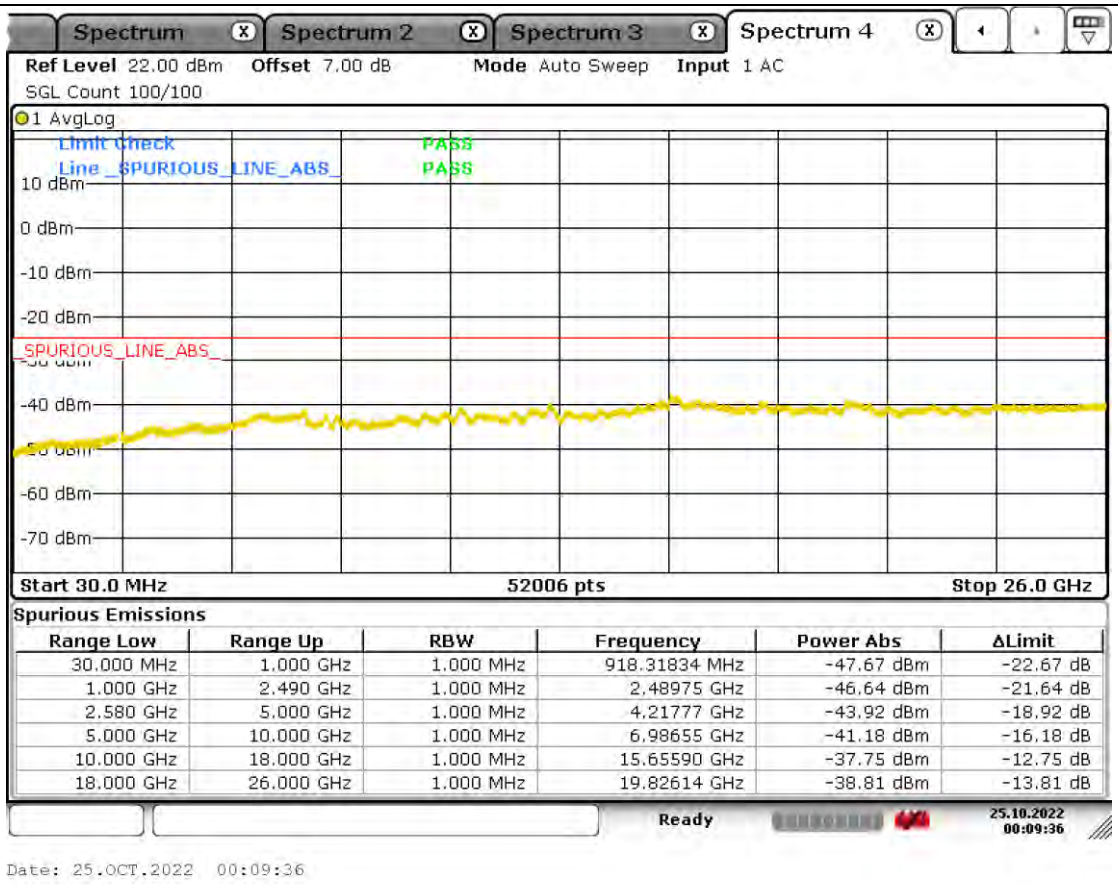
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~26000MHz



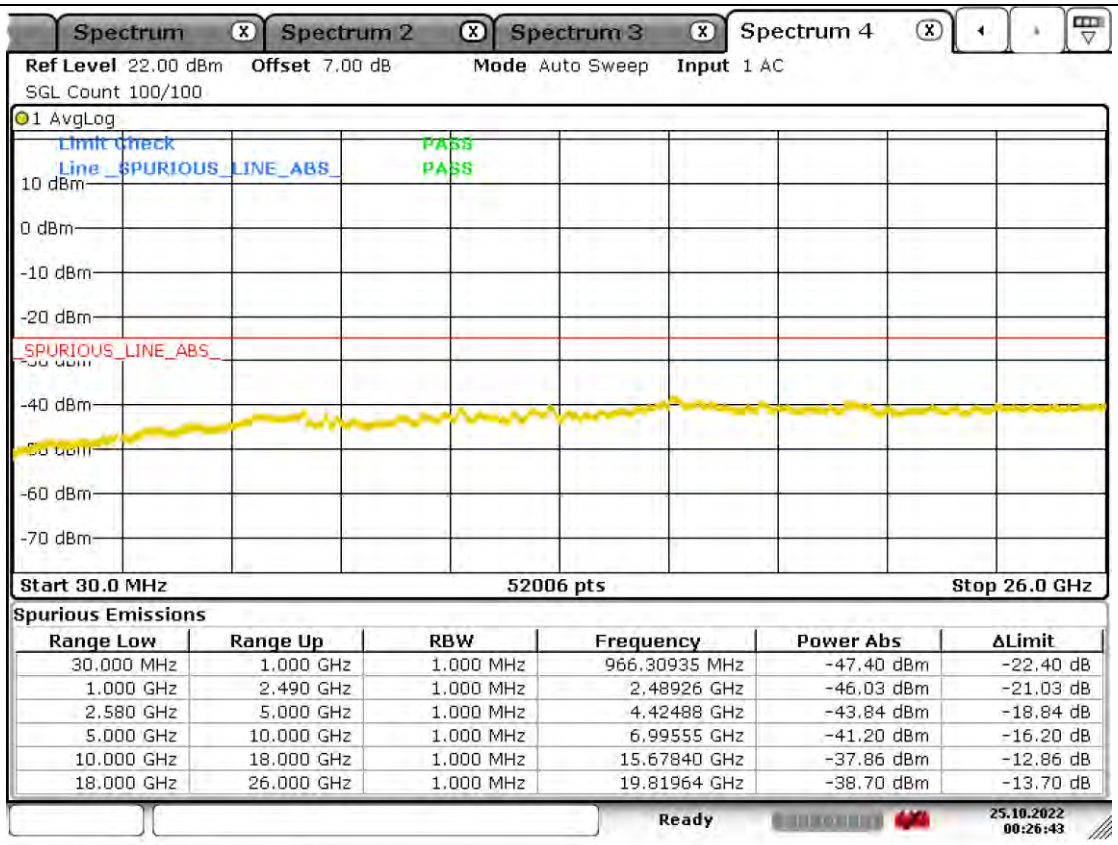
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~26000MHz



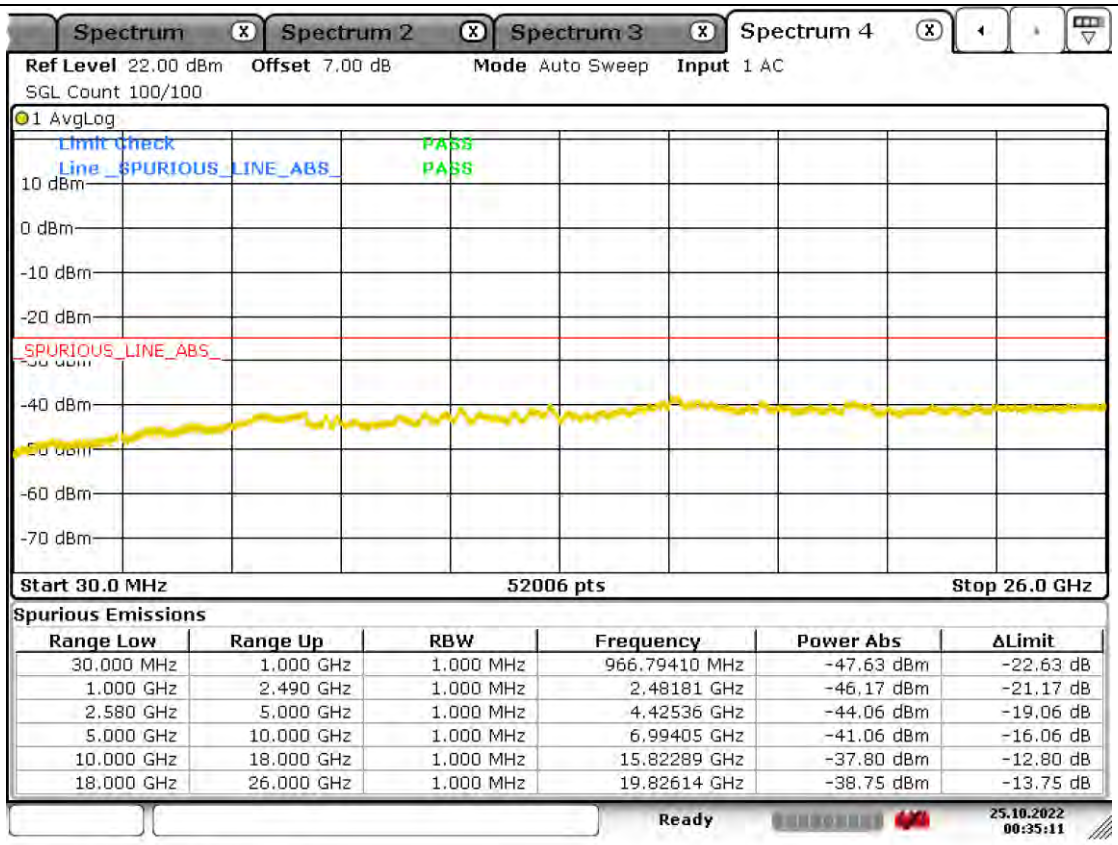
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~26000MHz



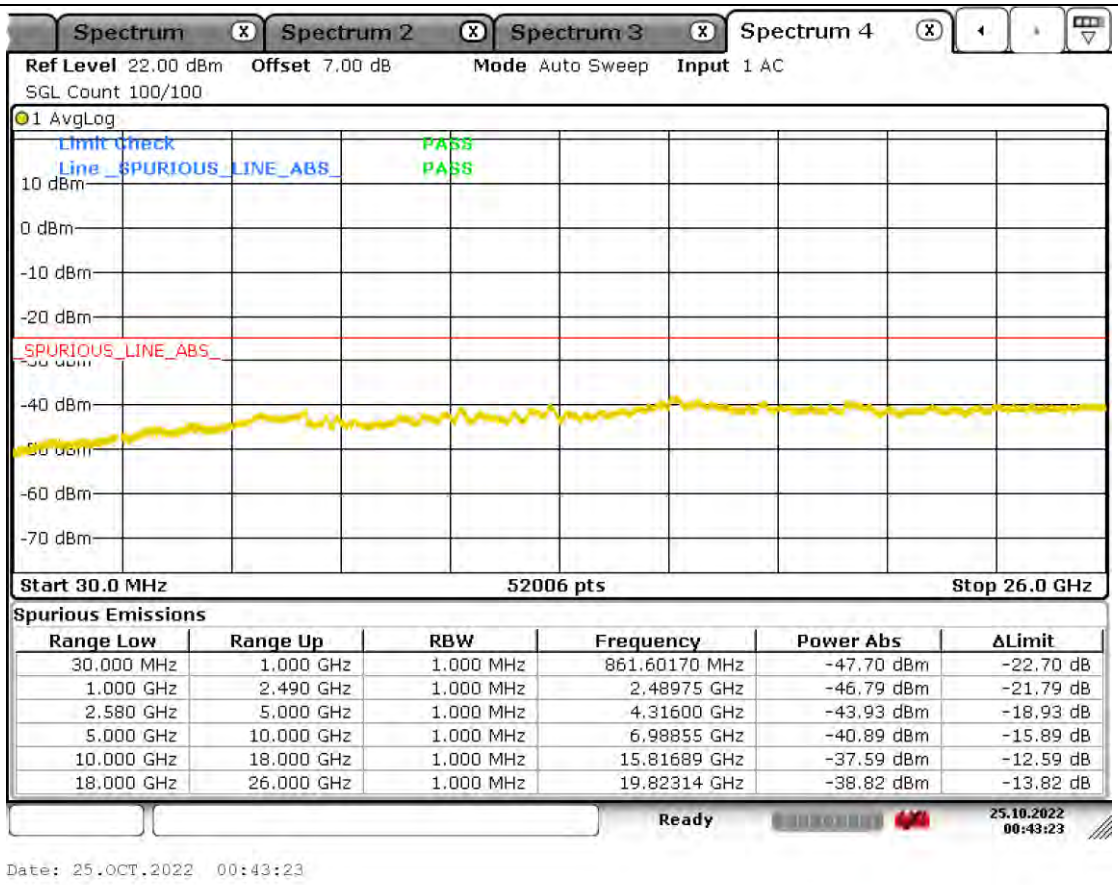
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~26000MHz



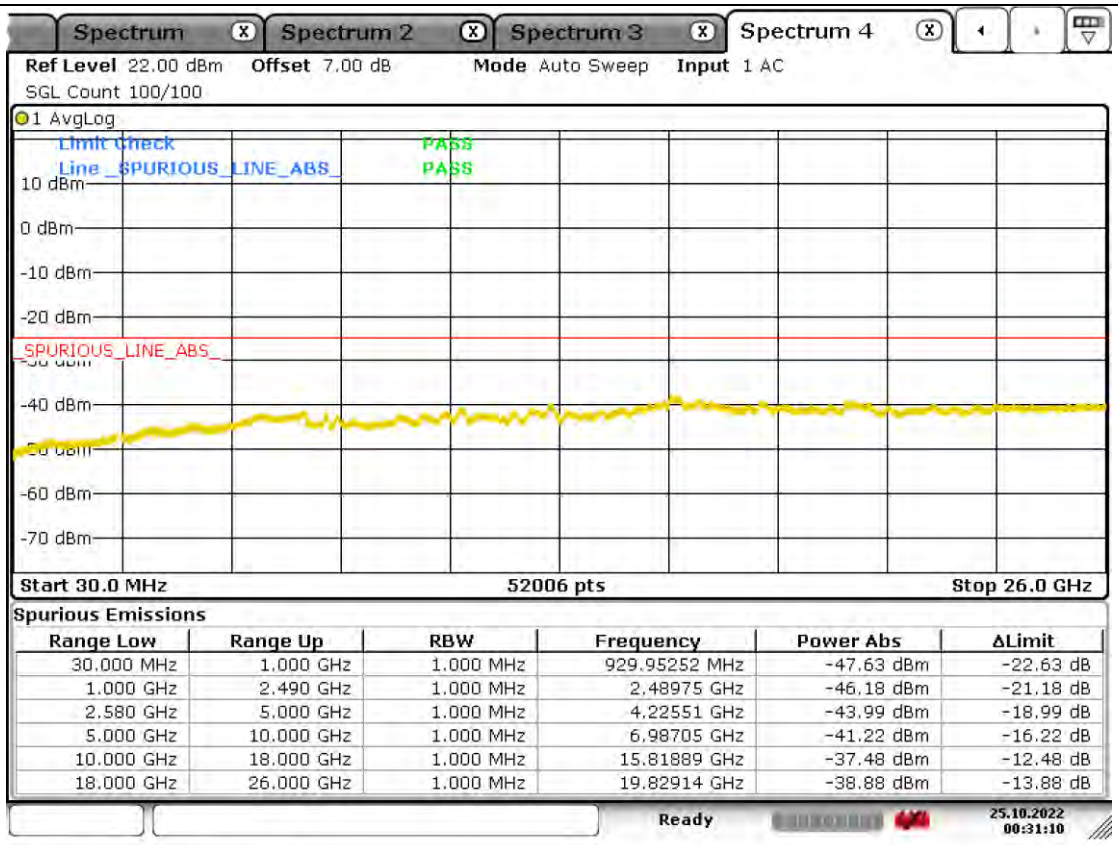
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~26000MHz



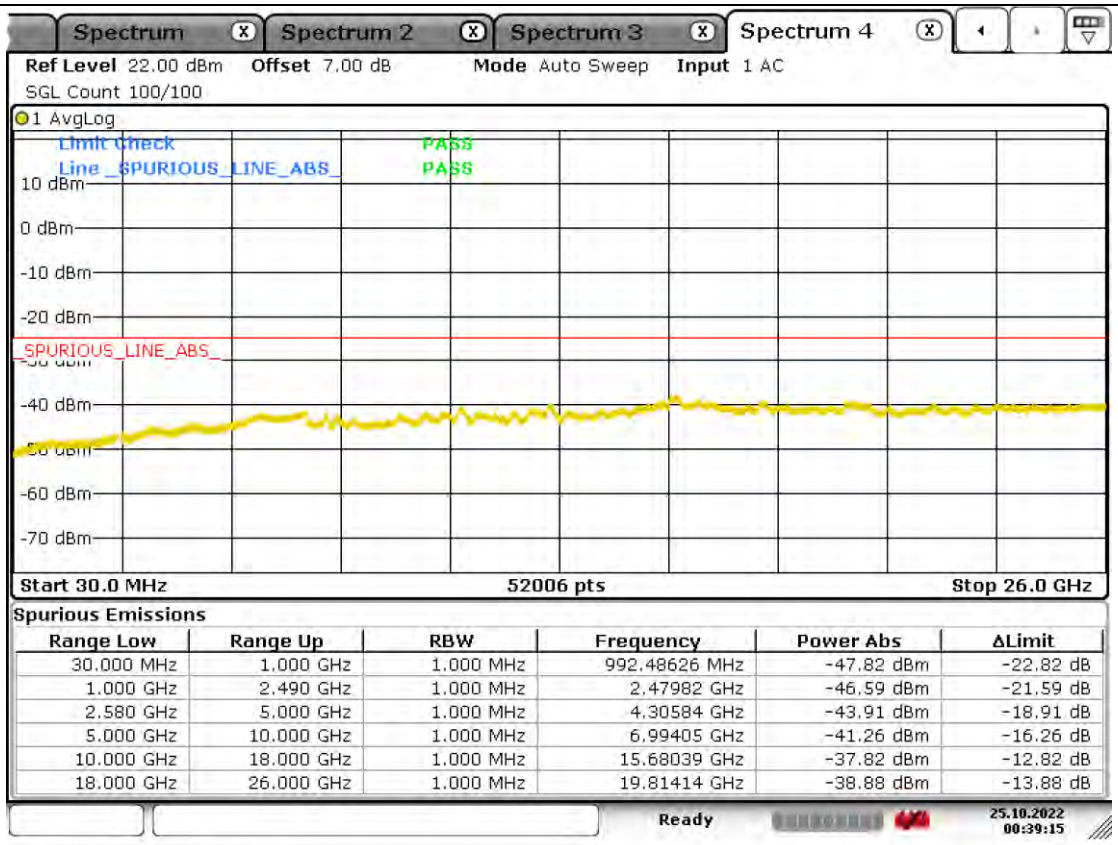
Band7-10MHz-QPSK-21400-1RB#0-Range1:30~26000MHz



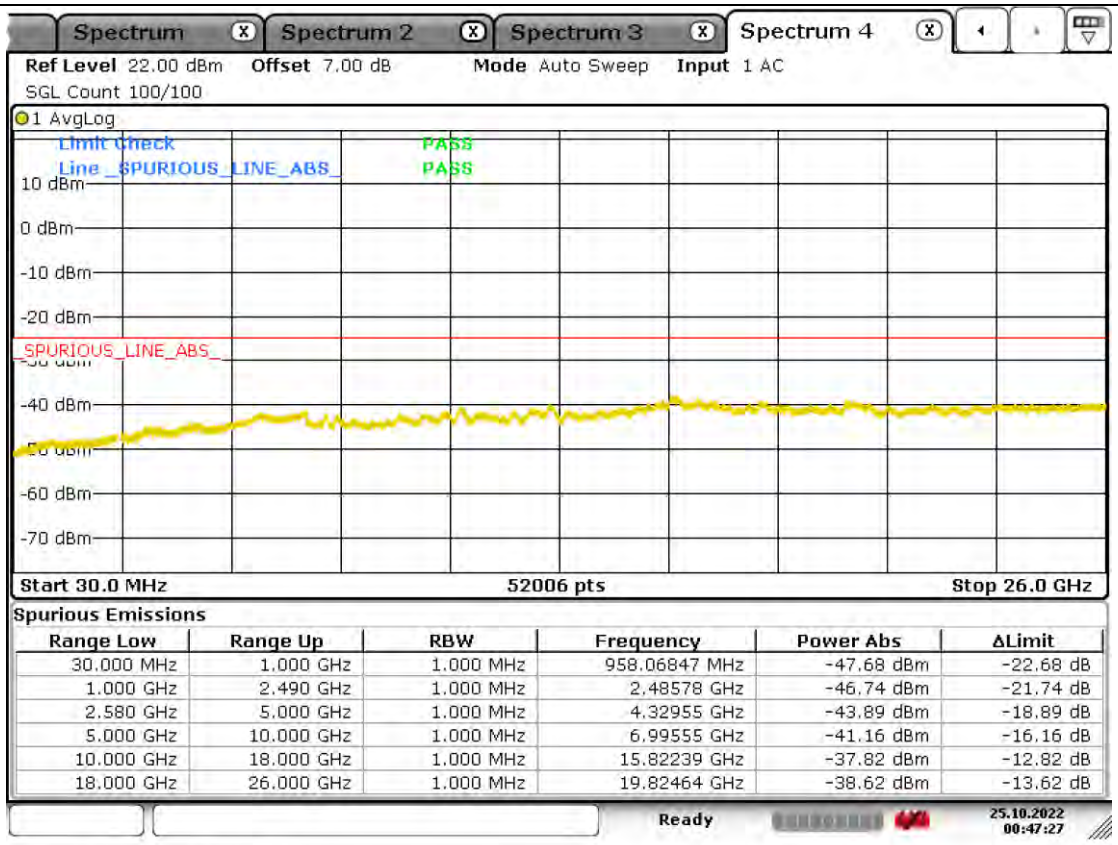
Band7-10MHz-16QAM-20800-1RB#0-Range1:30~26000MHz



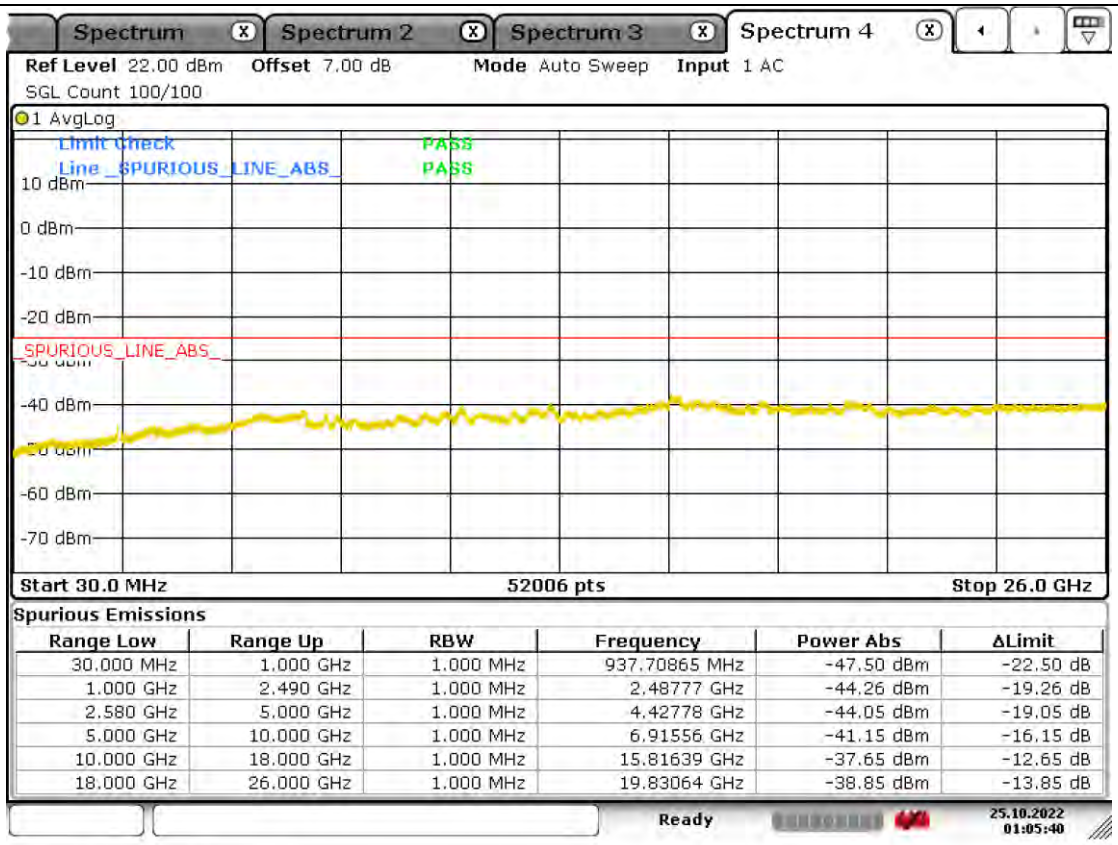
Band7-10MHz-16QAM-21100-1RB#0-Range1:30~26000MHz



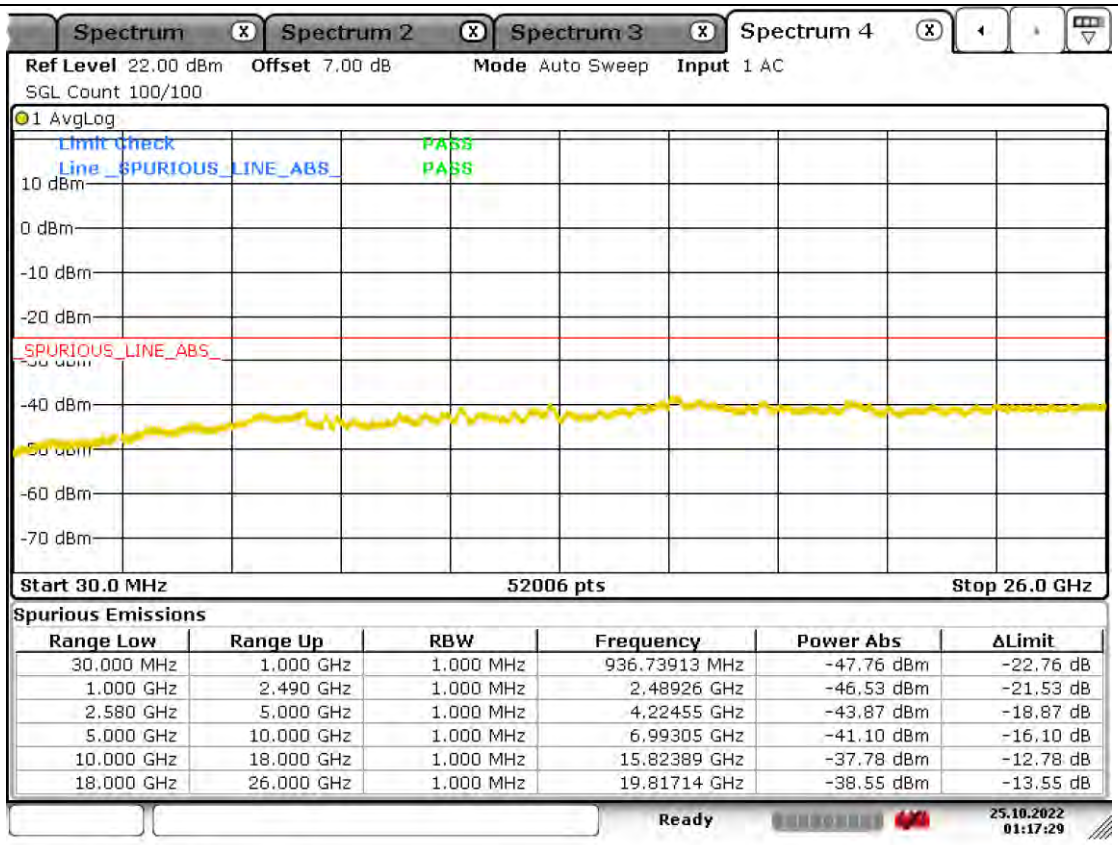
Band7-10MHz-16QAM-21400-1RB#0-Range1:30~26000MHz



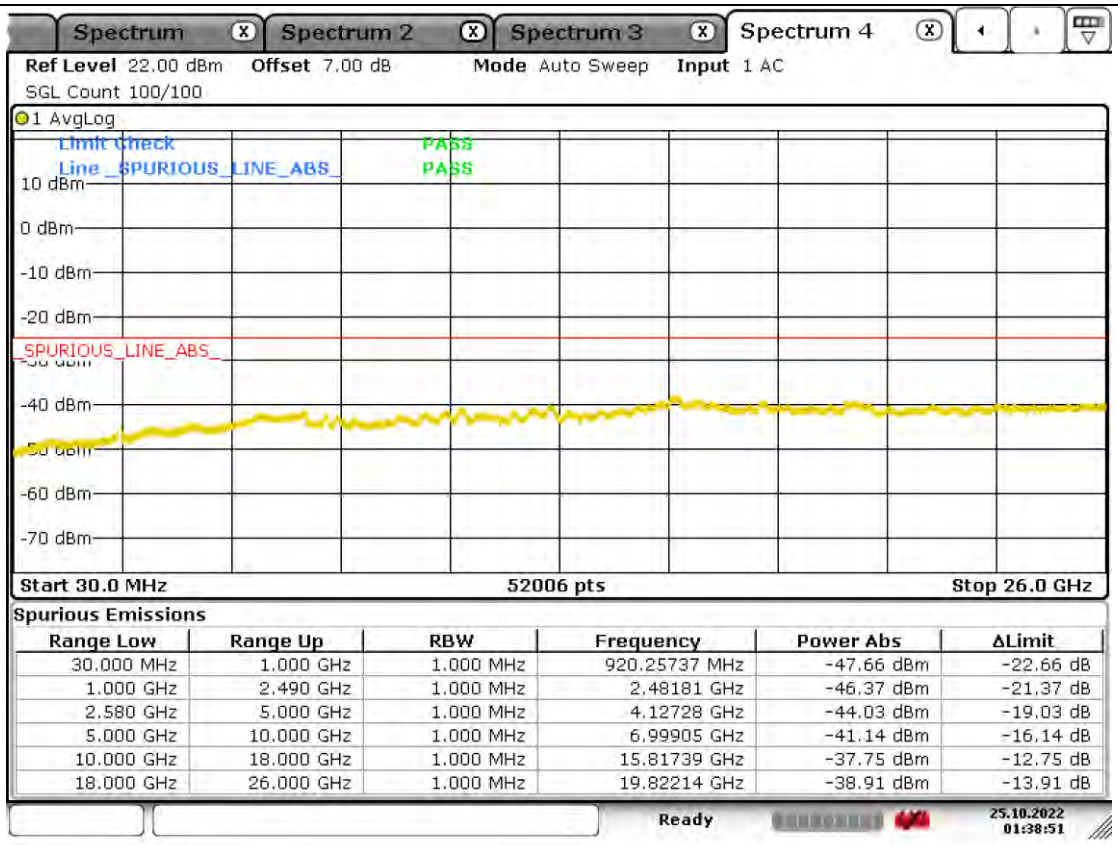
Band7-15MHz-QPSK-20825-1RB#0-Range1:30~26000MHz



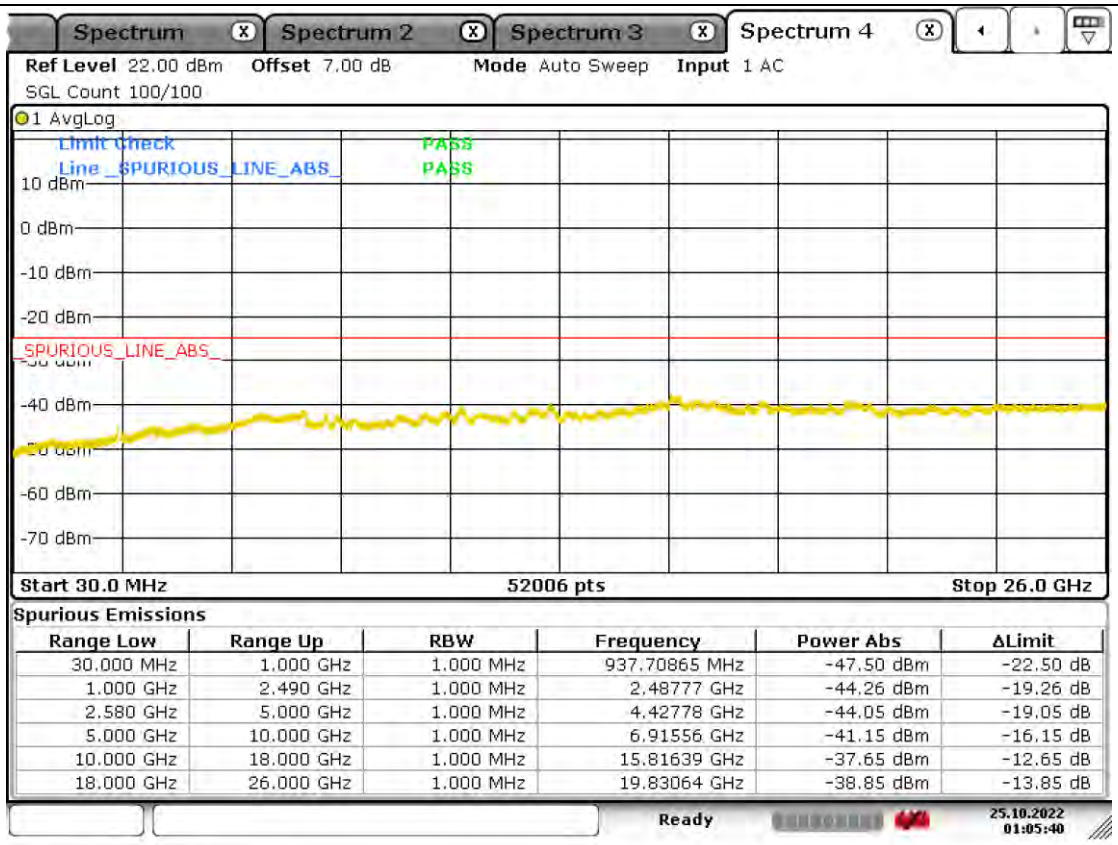
Band7-15MHz-QPSK-21100-1RB#0-Range1:30~26000MHz



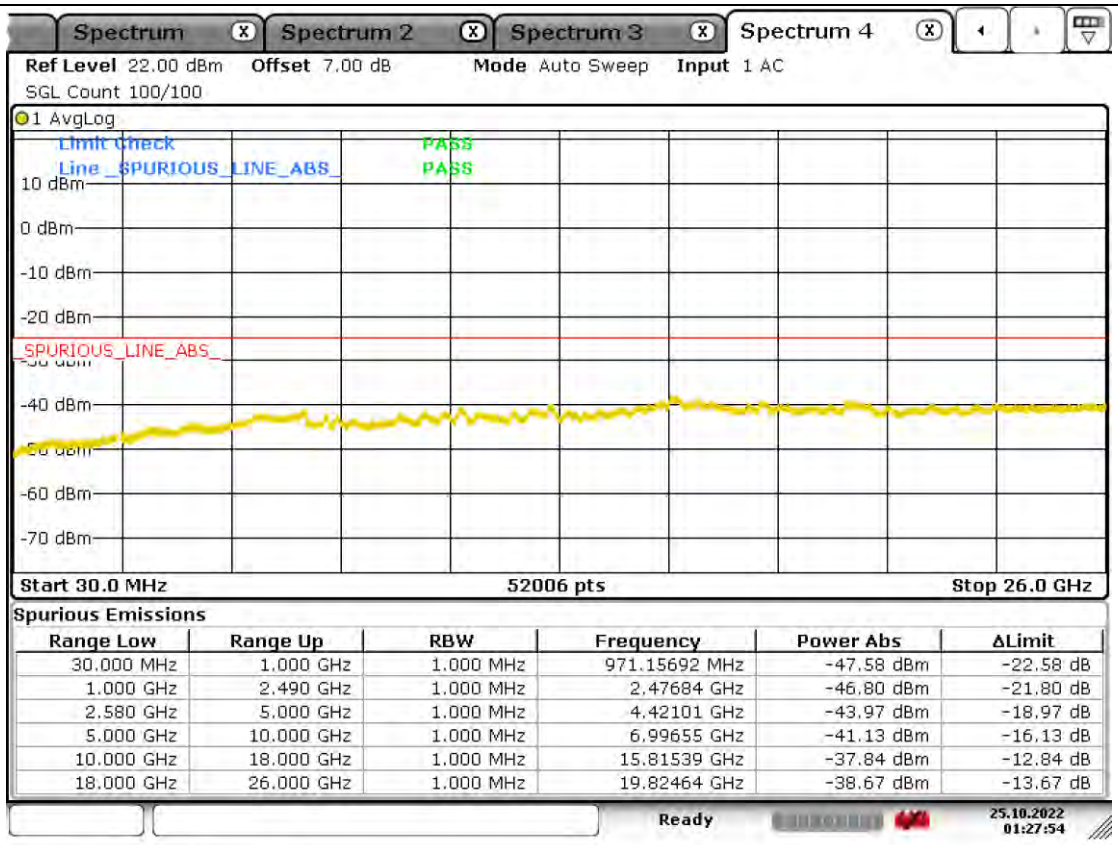
Band7-15MHz-QPSK-21375-1RB#0-Range1:30~26000MHz



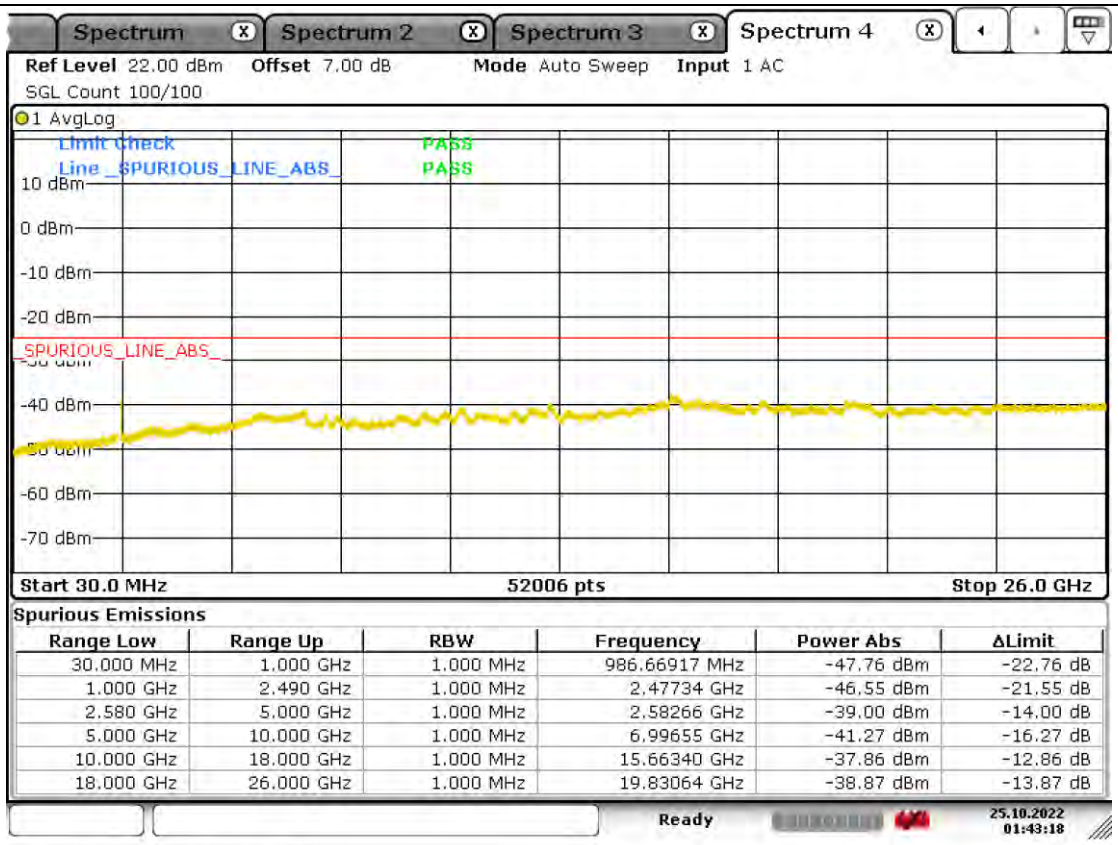
Band7-15MHz-16QAM-20825-1RB#0-Range1:30~26000MHz



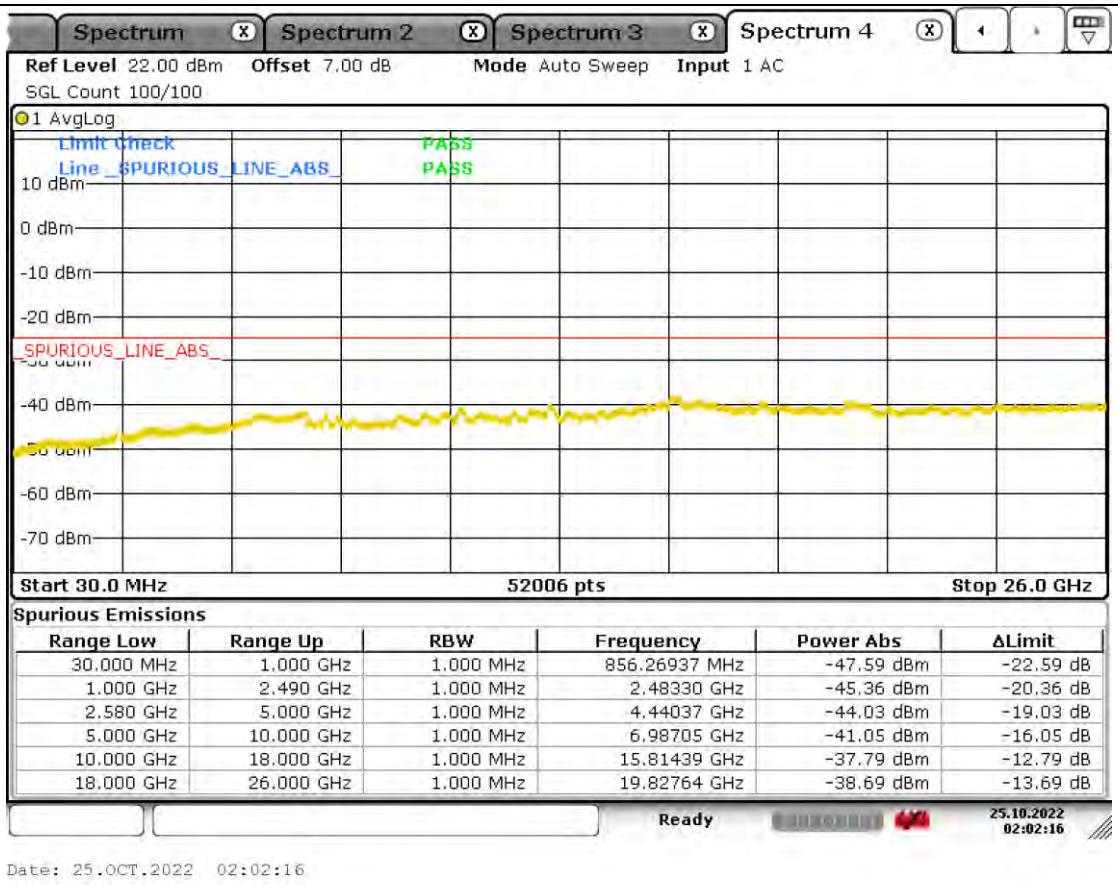
Band7-15MHz-16QAM-21100-1RB#0-Range1:30~26000MHz



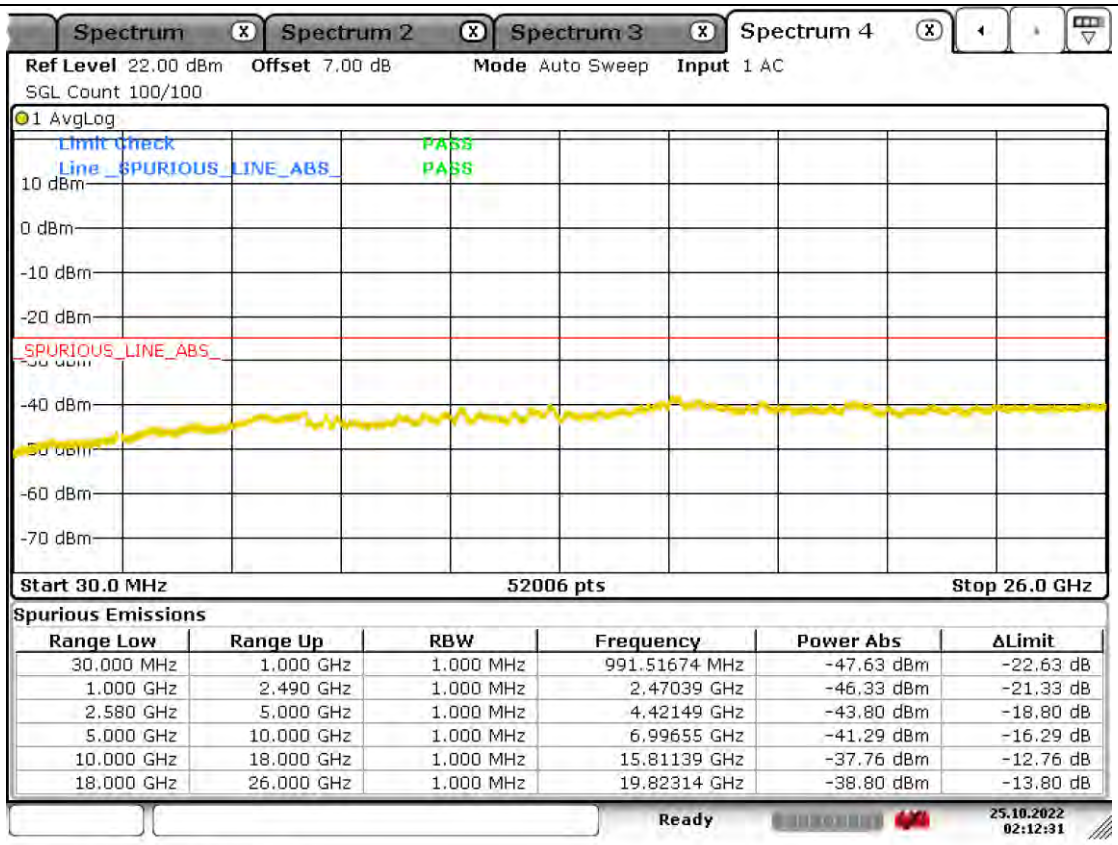
Band7-15MHz-16QAM-21375-1RB#0-Range1:30~26000MHz



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



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



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