

NR Band 78 (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							630668 (3 460.02 MHz)		641666 (3 624.99 MHz)		652666 (3 789.99 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
20	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.20	0.166	22.35	0.172	21.94	0.156
			16QAM		1	1	21.95	0.157	22.06	0.161	21.62	0.145
			64QAM		1	1	20.12	0.103	20.24	0.106	19.78	0.095
			256QAM		1	1	17.27	0.053	17.28	0.053	16.92	0.049
			QPSK	Inner_1RB Right	1	49	22.12	0.163	22.21	0.166	21.51	0.142
			QPSK	Outer_Full	51	0	20.67	0.117	20.75	0.119	20.44	0.111
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							631000 (3 465.00 MHz)		641666 (3 624.99 MHz)		652332 (3 784.98 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
30	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.13	0.163	22.58	0.181	21.88	0.154
			16QAM		1	1	21.81	0.152	22.13	0.163	21.65	0.146
			64QAM		1	1	20.01	0.100	20.55	0.114	19.91	0.098
			256QAM		1	1	17.19	0.052	17.49	0.056	17.20	0.052
			QPSK	Inner_1RB Right	1	76	22.08	0.161	22.20	0.166	21.55	0.143
			QPSK	Outer_Full	78	0	20.57	0.114	20.74	0.119	20.52	0.113
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							631334 (3 470.01 MHz)		641666 (3 624.99 MHz)		652000 (3 780.00 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
40	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.15	0.164	22.53	0.179	21.68	0.147
			16QAM		1	1	21.86	0.153	22.08	0.161	21.43	0.139
			64QAM		1	1	20.08	0.102	20.31	0.107	19.60	0.091
			256QAM		1	1	17.30	0.054	17.38	0.055	16.89	0.049
			QPSK	Inner_1RB Right	1	104	22.04	0.160	22.15	0.164	21.53	0.142
			QPSK	Outer_Full	106	0	20.75	0.119	20.84	0.121	20.49	0.112
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							631668 (3 475.02 MHz)		641666 (3 624.99 MHz)		651666 (3 774.99 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
50	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.25	0.168	22.72	0.187	22.13	0.163
			16QAM		1	1	21.95	0.157	22.24	0.167	21.83	0.152
			64QAM		1	1	20.13	0.103	20.67	0.117	20.03	0.101
			256QAM		1	1	17.31	0.054	17.62	0.058	17.30	0.054
			QPSK	Inner_1RB Right	1	131	22.13	0.163	22.31	0.170	21.77	0.150
			QPSK	Outer_Full	133	0	20.68	0.117	20.87	0.122	20.61	0.115
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							632000 (3 480.00 MHz)		641666 (3 624.99 MHz)		651332 (3 769.98 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
60	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.10	0.162	22.37	0.173	22.06	0.161
			16QAM		1	1	21.91	0.155	22.21	0.166	21.85	0.153
			64QAM		1	1	20.00	0.100	20.20	0.105	19.93	0.098
			256QAM		1	1	17.17	0.052	17.38	0.055	17.01	0.050
			QPSK	Inner_1RB Right	1	160	21.97	0.157	22.02	0.159	21.81	0.152
			QPSK	Outer_Full	162	0	20.55	0.114	20.67	0.117	20.32	0.108

NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							632334 (3 485.01 MHz)		641666 (3 624.99 MHz)		651000 (3 765.00 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
70	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.15	0.164	<u>22.49</u>	<u>0.177</u>	22.21	0.166
			16QAM		1	1	21.96	0.157	<u>22.32</u>	<u>0.171</u>	21.98	0.158
			64QAM		1	1	20.07	0.102	20.40	0.110	20.11	0.103
			256QAM		1	1	17.23	0.053	17.47	0.056	17.15	0.052
			QPSK	Inner_1RB Right	1	187	21.93	0.156	22.01	0.159	21.85	0.153
			QPSK	Outer_Full	189	0	20.55	0.114	20.84	0.121	20.45	0.111
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							632668 (3 490.02 MHz)		641666 (3 624.99 MHz)		65066 (3 759.99 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
80	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.21	0.166	<u>22.54</u>	<u>0.179</u>	22.31	0.170
			16QAM		1	1	21.97	0.157	<u>22.25</u>	<u>0.168</u>	22.01	0.159
			64QAM		1	1	20.10	0.102	20.39	0.109	20.18	0.104
			256QAM		1	1	17.31	0.054	17.53	0.057	17.21	0.053
			QPSK	Inner_1RB Right	1	215	21.98	0.158	21.89	0.155	21.88	0.154
			QPSK	Outer_Full	217	0	20.63	0.116	20.84	0.121	20.48	0.112
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							633000 (3 495.00 MHz)		641666 (3 624.99 MHz)		650332 (3 754.98 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
90	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.33	0.171	<u>22.47</u>	<u>0.177</u>	22.37	0.173
			16QAM		1	1	22.13	0.163	22.15	0.164	<u>22.24</u>	<u>0.167</u>
			64QAM		1	1	20.23	0.105	20.55	0.114	20.35	0.108
			256QAM		1	1	17.36	0.054	17.48	0.056	17.32	0.054
			QPSK	Inner_1RB Right	1	243	22.04	0.160	21.89	0.155	21.82	0.152
			QPSK	Outer_Full	245	0	20.59	0.115	20.81	0.121	20.52	0.113
NR Band 78-Low Band (IC)												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							633334 (3 500.01 MHz)		641666 (3 624.99 MHz)		650000 (3 750.00 MHz)	
							Port 1 + Port 2					
				(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
100	30	CP OFDM	QPSK	Inner_1RB Left	1	1	22.34	0.171	<u>22.47</u>	<u>0.177</u>	22.28	0.169
			16QAM		1	1	22.16	0.164	<u>22.30</u>	<u>0.170</u>	22.07	0.161
			64QAM		1	1	20.17	0.104	20.32	0.108	20.09	0.102
			256QAM		1	1	17.35	0.054	17.44	0.055	17.14	0.052
			QPSK	Inner_1RB Right	1	271	21.94	0.156	21.80	0.151	21.75	0.150
			QPSK	Outer_Full	273	0	20.65	0.116	20.82	0.121	20.48	0.112

Note;

- Powers are summed up in linear using the measure-and-sum technique defined in ANSI C63.26-2015 6.4.
- MIMO output power: $10 \log \{10^{(\text{Port 1 power} / 10)} + 10^{(\text{Port 2 power} / 10)}\}$

4. Occupied Bandwidth

4.1. Limit

CFR 47, Section FCC §2.1049 and IC RSS-Gen Issue 5 6.7.

4.2. Test Procedure

FCC

The test follows section 5.4.4 of ANSI C63.26-2015.

- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation. products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).
- b. The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d. Set the detection mode to peak, and the trace mode to max-hold.
- e. If the instrument does not have a 99 % OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5 % of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5 % of the total is reached and record that frequency as the upper OBW frequency. The 99 % power OBW can be determined by computing the difference these two frequencies.
- f. The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

IC

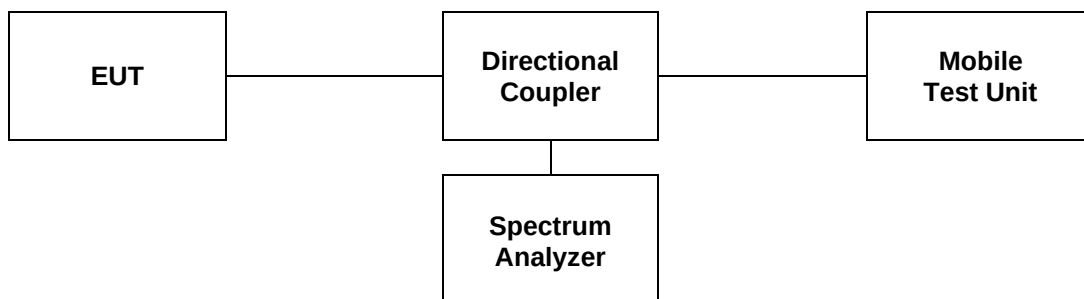
The test follows section 6.7 of RSS-Gen Issue 5.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to "Sample". However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or "Max Hold") may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99 % emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99 % emission bandwidth).



4.3 Test Results

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2		
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM	
n48	20	30	3 560.01	18.342	18.262	18.302	18.262	
			3 624.99	18.262	18.262	18.302	18.262	
			3 690.00	18.302	18.302	18.302	18.262	
	30		3 565.02	27.872	27.872	27.872	27.872	
			3 624.99	27.872	27.872	27.872	27.872	
			3 684.99	27.812	27.872	27.872	27.872	
			40	3 570.00	37.962	37.962	37.962	38.042
				3 624.99	37.962	37.962	37.882	37.962
				3 679.98	37.962	38.042	37.962	38.042

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1			Ant. 2		
				DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM	DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM
n77 Low Band IC	20	30	3 460.02	17.902	17.982	17.902	17.902	17.862	17.902
			3 675.00	17.902	17.942	17.902	17.902	17.902	17.902
			3 889.98	17.902	17.862	17.902	17.902	17.902	17.942
	30		3 465.00	26.793	26.793	26.853	26.793	26.853	26.793
			3 675.00	26.793	26.793	26.733	26.793	26.793	26.853
			3 885.00	26.793	26.793	26.733	26.853	26.853	26.793
	40		3 470.01	35.724	35.804	35.724	35.884	35.724	35.724
			3 675.00	35.884	35.804	35.724	35.804	35.724	35.804
			3 879.99	35.804	35.724	35.724	35.884	35.724	35.724
	50		3 475.02	45.754	45.754	45.754	45.654	45.754	45.754
			3 675.00	45.754	45.854	45.754	45.754	45.654	45.754
			3 874.98	45.654	45.754	45.754	45.754	45.754	45.754
	60		3 480.00	57.902	58.022	58.020	57.782	57.902	58.142
			3 675.00	57.902	57.902	57.902	57.902	58.142	58.142
			3 870.00	57.902	58.022	57.902	57.902	58.022	58.022
	70		3 485.01	64.336	64.476	64.476	64.336	64.196	64.476
			3 675.00	64.336	64.196	64.336	64.336	64.336	64.336
			3 864.99	64.336	64.336	64.476	64.336	64.476	64.336
	80		3 490.02	77.043	77.043	77.043	77.203	77.203	77.043
			3 675.00	77.043	77.363	77.203	77.043	76.883	77.043
			3 859.98	77.043	77.363	77.043	77.043	77.043	77.043
	90		3 495.00	86.853	86.673	86.853	86.673	86.673	86.673
			3 675.00	86.853	86.853	86.673	86.673	86.494	86.853
			3 855.00	86.853	86.673	86.673	86.853	86.494	87.033
	100		3 500.01	96.503	96.304	96.304	96.503	96.304	96.503
			3 675.00	96.503	96.304	96.304	96.503	96.304	96.304
			3 849.99	96.703	96.304	96.503	96.304	96.304	96.104

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n77 Low Band IC	20	30	3 460.02	18.342	18.342	18.262	18.302
			3 675.00	18.342	18.382	18.302	18.302
			3 889.98	18.382	18.342	18.262	18.302
	30		3 465.00	27.992	27.992	27.872	27.872
			3 675.00	27.992	28.112	27.932	27.872
			3 885.00	27.992	27.992	27.872	27.871
	40		3 470.01	38.122	38.122	37.882	37.882
			3 675.00	38.122	38.202	37.882	37.882
			3 879.99	38.122	38.282	37.882	37.882
	50		3 475.02	47.852	47.852	47.552	47.652
			3 675.00	47.852	47.952	47.552	47.552
			3 874.98	47.852	47.852	47.453	47.552
	60		3 480.00	58.621	58.621	58.022	58.142
			3 675.00	58.741	58.621	57.902	58.142
			3 870.00	58.621	58.621	57.902	58.142
	70		3 485.01	68.252	68.531	67.413	67.552
			3 675.00	68.392	68.531	67.552	67.692
			3 864.99	68.392	68.392	67.413	67.692
	80		3 490.02	78.641	78.641	77.522	77.522
			3 675.00	78.801	78.961	77.522	77.522
			3 859.98	78.801	78.801	77.522	77.682
	90		3 495.00	89.011	88.831	87.393	87.393
			3 675.00	89.910	89.550	87.393	87.393
			3 855.00	89.191	89.371	87.393	87.393
	100		3 500.01	97.702	97.902	97.702	97.502
			3 675.00	97.702	97.702	97.702	97.702
			3 849.99	97.702	97.502	97.702	97.702

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1			Ant. 2		
				DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM	DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM
n77 High Band IC	20	30	3 910.02	17.862	17.902	17.862	17.902	17.902	17.902
			3 939.99	17.902	17.862	17.902	17.902	17.862	17.902
			3 969.99	17.902	17.862	17.902	17.902	17.862	17.902
	30		3 915.00	26.793	26.793	26.853	26.853	26.853	26.733
			3 939.99	26.793	26.793	26.793	26.793	26.853	26.793
			3 964.98	26.793	26.853	26.793	26.793	26.853	26.793
	40		3 920.01	35.884	35.804	35.804	35.804	35.724	35.804
			3 939.99	35.884	35.804	35.724	35.804	35.804	35.804
			3 960.00	35.804	35.804	35.804	35.804	35.804	35.804
	50		3 925.02	45.754	45.854	45.754	45.754	45.754	45.754
			3 939.99	45.754	45.754	45.754	45.754	45.754	45.754
			3 954.99	45.654	45.754	45.754	45.654	45.854	45.754
	60		3 930.00	57.782	58.022	58.022	57.782	57.782	58.142
			3 939.99	57.902	57.902	58.142	57.902	58.022	58.022
			3 949.98	57.782	57.902	58.142	57.782	58.142	58.022
	70		3 935.01	64.336	64.476	64.476	64.336	64.336	64.476
			3 939.99	64.336	64.476	64.336	64.336	64.196	64.476
			3 945.00	64.336	64.336	64.476	64.196	64.336	64.476
	80		3 939.99	77.043	77.203	77.043	77.043	77.043	77.043

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n77 High Band IC	20	30	3 910.02	18.422	18.302	18.302	18.262
			3 939.99	18.342	18.342	18.262	18.262
			3 969.99	18.342	18.302	18.342	18.182
	30		3 915.00	27.992	28.052	27.812	27.872
			3 939.99	27.992	28.052	27.812	27.932
			3 964.98	27.932	27.992	27.872	27.872
	40		3 920.01	38.122	38.202	37.962	37.962
			3 939.99	38.122	38.202	37.962	37.962
			3 960.00	38.122	38.202	37.882	38.042
	50		3 925.02	47.852	47.852	47.453	47.552
			3 939.99	47.852	47.852	47.453	47.552
			3 954.99	47.852	47.852	47.453	47.552
	60		3 930.00	58.741	58.741	58.621	58.621
			3 939.99	58.621	58.621	58.621	58.621
			3 949.98	58.861	58.621	58.861	58.621
	70		3 935.01	68.392	68.531	68.392	68.531
			3 939.99	68.392	68.392	68.392	68.531
			3 945.00	68.392	68.671	68.392	68.531
	80		3 939.99	78.961	78.961	77.522	77.522

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n78 IC	20	30	3 460.02	18.222	18.262	18.262	18.262
			3 624.99	18.262	18.262	18.262	18.262
			3 789.99	18.262	18.262	18.262	18.302
	30		3 465.00	27.812	27.812	27.812	27.812
			3 624.99	27.872	27.812	27.812	27.812
			3 784.98	27.812	27.812	27.872	27.812
	40		3 470.01	37.962	37.882	37.962	37.962
			3 624.99	37.882	37.882	37.962	37.882
			3 780.00	37.962	37.962	37.962	37.962
	50		3 475.02	47.453	47.552	47.453	47.353
			3 624.99	47.453	47.552	47.453	47.552
			3 774.99	47.453	47.552	47.453	47.552
	60		3 480.00	58.142	58.142	58.142	58.142
			3 624.99	58.262	58.262	58.142	58.142
			3 769.98	58.262	58.142	58.142	58.142
	70		3 485.01	67.692	67.692	67.552	67.552
			3 624.99	67.692	67.552	67.832	67.552
			3 765.00	67.692	67.692	67.692	67.692
	80		3 490.02	77.682	77.842	77.682	77.522
			3 624.99	77.842	77.682	77.842	77.682
			3 759.99	77.842	77.842	77.682	77.682
	90		3 495.00	87.752	87.572	87.752	87.752
			3 624.99	87.752	87.572	87.752	87.572
			3 754.98	87.752	87.572	87.752	87.572
	100		3 500.01	97.502	97.502	97.502	97.702
			3 624.99	97.702	97.502	97.702	97.502
			3 750.00	97.702	97.702	97.502	97.702

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1			Ant. 2		
				DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM	DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM
n77 Low Band FCC	20	30	3 460.02	17.982	17.902	17.902	17.902	17.902	17.862
			3 500.01	17.902	17.942	17.902	17.862	17.942	17.902
			3 540.00	17.902	17.862	17.942	17.862	17.862	17.902
	30		3 465.00	26.853	26.853	26.853	26.793	26.853	26.853
			3 500.01	26.793	26.853	26.793	26.793	26.793	26.733
			3 534.99	26.853	26.793	26.853	26.853	26.793	26.733
	40		3 470.01	35.804	35.724	35.804	35.804	35.724	35.724
			3 500.01	35.804	35.804	35.804	35.884	35.724	35.724
			3 529.98	35.724	35.804	35.804	35.884	35.724	35.804
	50		3 475.02	45.754	45.854	45.754	45.654	45.754	45.754
			3 500.01	45.654	45.854	45.854	45.754	45.754	45.754
			3 525.00	45.654	45.854	45.754	45.754	45.854	45.754
	60		3 480.00	58.002	58.022	58.022	58.022	58.142	58.142
			3 500.01	57.902	57.902	58.142	57.902	58.022	57.902
			3 519.99	57.902	57.902	58.142	57.782	57.902	57.902
	70		3 485.01	64.336	64.476	64.476	64.196	64.336	64.336
			3 500.01	64.336	64.336	64.476	64.196	64.336	64.336
			3 514.98	64.336	64.336	64.476	64.336	64.196	64.476
	80		3 490.02	77.203	77.203	77.203	76.883	77.043	77.043
			3 500.01	77.043	77.203	77.203	77.043	77.043	77.043
			3 510.00	77.043	77.043	77.043	77.043	77.043	77.203
	90		3 495.00	86.853	86.673	87.033	87.033	86.673	86.853
			3 500.01	86.853	86.673	86.673	86.673	86.853	86.853
			3 504.99	86.853	86.853	86.853	86.853	86.853	86.673
	100		3 500.01	96.503	96.503	96.503	96.503	96.503	96.104

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n77 Low Band FCC	20	30	3 460.02	18.302	18.302	18.222	18.222
			3 500.01	18.342	18.342	18.262	18.302
			3 540.00	18.382	18.302	18.262	18.262
	30		3 465.00	27.872	27.632	27.512	27.512
			3 500.01	27.632	27.632	27.512	27.512
			3 534.99	27.692	27.692	27.512	27.512
	40		3 470.01	38.122	38.282	37.882	37.962
			3 500.01	38.122	38.202	37.882	37.962
			3 529.98	38.122	38.282	37.962	37.962
	50		3 475.02	47.752	47.952	47.453	47.552
			3 500.01	47.852	47.852	47.552	47.552
			3 525.00	47.752	47.952	47.552	47.552
	60		3 480.00	58.142	58.621	58.022	58.022
			3 500.01	58.621	58.501	58.142	58.022
			3 519.99	58.621	58.621	57.902	58.022
	70		3 485.01	67.552	68.392	67.692	67.692
			3 500.01	68.252	68.392	67.552	67.692
			3 514.98	67.552	68.392	67.692	67.692
	80		3 490.02	78.641	78.641	77.522	77.682
			3 500.01	78.641	78.641	77.682	77.682
			3 510.00	78.641	78.641	77.682	77.682
	90		3 495.00	89.011	88.831	87.393	87.393
			3 500.01	89.191	89.011	87.393	87.572
			3 504.99	88.832	88.831	87.752	87.572
	100		3 500.01	97.702	97.502	97.702	97.702

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1			Ant. 2		
				DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM	DFT-S OFDM BPSK	DFT-S OFDM QPSK	DFT-S OFDM 16QAM
n77 High Band FCC	20	30	3 710.01	17.942	17.902	17.902	17.902	17.902	17.902
			3 840.00	17.902	17.862	17.862	17.862	17.942	17.862
			3 969.99	17.902	17.862	17.902	17.902	17.862	17.902
	30		3 715.02	26.793	26.913	26.853	26.853	26.793	26.853
			3 840.00	26.793	26.793	26.793	26.793	26.793	26.793
			3 964.98	26.793	26.793	26.733	26.793	26.793	26.733
	40		3 720.00	35.884	35.724	35.724	35.804	35.724	35.804
			3 840.00	35.804	35.804	35.804	35.884	35.724	35.804
			3 960.00	35.884	35.724	35.804	35.884	35.884	35.804
	50		3 725.01	45.754	45.854	45.754	45.754	45.654	45.854
			3 840.00	45.754	45.854	45.754	45.654	45.754	45.754
			3 954.99	45.654	45.754	45.754	45.654	45.754	45.754
	60		3 730.02	57.782	58.142	58.022	57.782	58.022	58.022
			3 840.00	57.902	57.902	58.142	57.782	58.022	58.022
			3 949.98	57.902	57.902	58.022	57.782	57.902	58.022
	70		3 735.00	64.196	64.476	64.476	64.336	64.476	64.476
			3 840.00	64.336	64.336	64.336	64.336	64.336	64.336
			3 945.00	64.196	64.336	64.196	64.336	64.336	64.476
	80		3 740.01	77.043	77.203	76.883	77.043	77.043	77.203
			3 840.00	77.203	77.203	77.203	77.203	77.203	77.203
			3 939.99	77.043	77.203	77.043	77.043	77.203	77.043
	90		3 745.02	86.853	86.494	87.033	86.673	86.673	86.673
			3 840.00	86.853	86.853	86.853	86.853	86.853	87.033
			3 934.98	86.673	86.853	86.853	86.853	86.853	86.853
	100		3 750.00	96.503	96.503	96.304	96.703	96.104	96.304
			3 840.00	96.503	96.304	96.304	96.304	96.104	96.304
			3 930.00	96.503	96.104	96.503	96.503	96.304	96.104

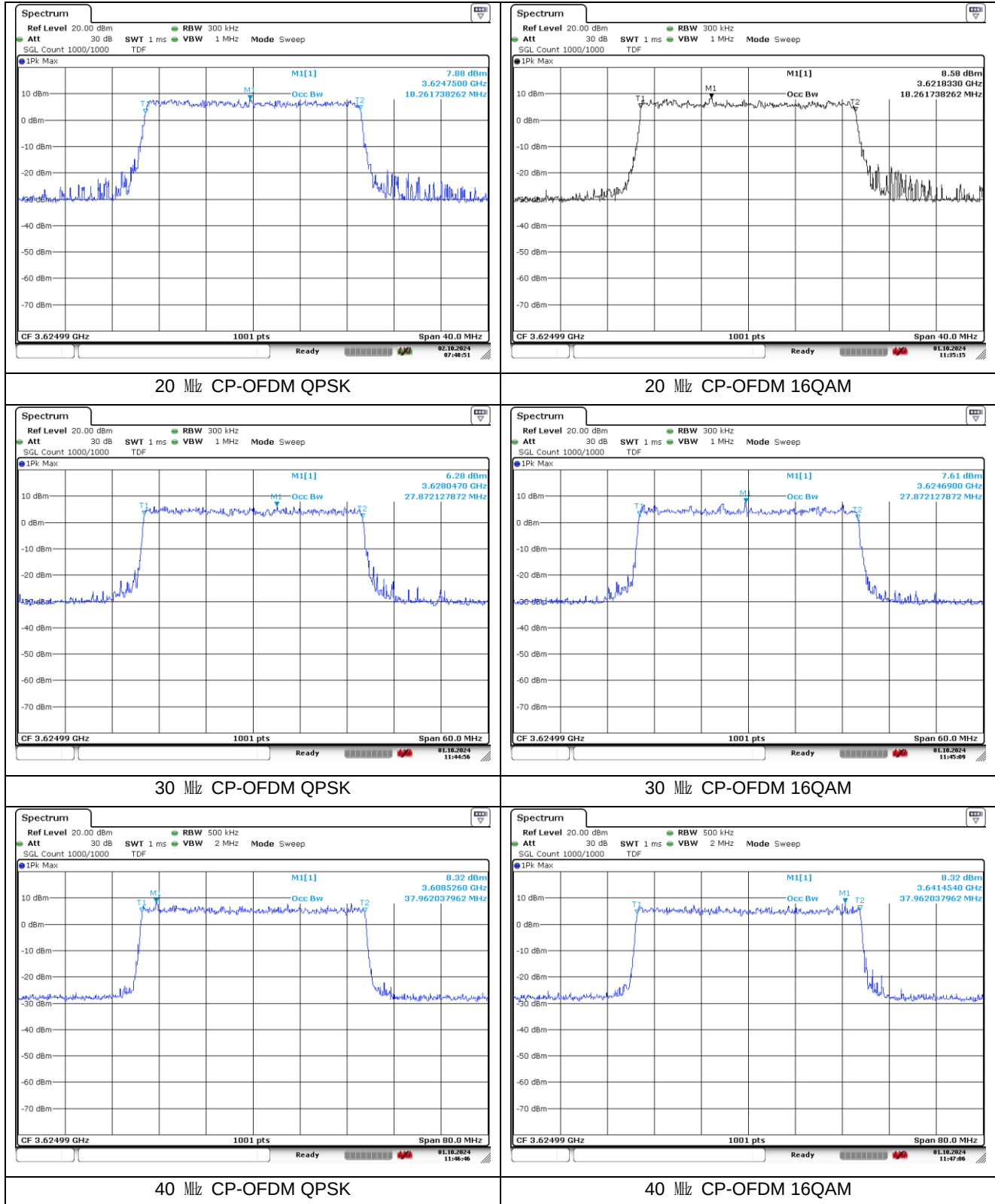
Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n77 High Band FCC	20	30	3 710.01	18.342	18.382	18.302	18.302
			3 840.00	18.422	18.302	18.302	18.262
			3 969.99	18.302	18.302	18.262	18.222
	30		3 715.02	27.632	27.632	27.572	27.512
			3 840.00	27.632	27.632	27.572	27.512
			3 964.98	27.632	27.632	27.512	27.512
	40		3 720.00	38.202	38.122	37.962	38.042
			3 840.00	38.122	38.122	37.962	37.962
			3 960.00	38.122	38.202	37.882	37.962
	50		3 725.01	47.852	47.852	47.453	47.552
			3 840.00	47.852	47.852	47.652	47.652
			3 954.99	47.552	47.852	47.453	47.552
	60		3 730.02	58.741	58.621	58.022	58.022
			3 840.00	58.621	58.621	58.022	57.902
			3 949.98	58.741	58.621	58.142	58.022
	70		3 735.00	68.392	68.392	67.552	67.692
			3 840.00	68.392	68.392	67.692	67.692
			3 945.00	68.392	68.671	67.692	67.692
	80		3 740.01	78.641	78.961	77.522	77.522
			3 840.00	78.801	78.801	77.682	77.522
			3 939.99	78.641	78.961	77.522	77.522
	90		3 745.02	89.371	89.191	87.393	87.572
			3 840.00	89.011	89.011	87.572	87.393
			3 934.98	89.550	89.371	87.393	87.393
	100		3 750.00	97.702	97.702	97.702	97.702
			3 840.00	97.702	97.502	97.702	97.502
			3 930.00	97.702	97.502	97.702	97.502

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n78 Low Band FCC	20	30	3 460.02	18.222	18.302	18.262	18.302
			3 500.01	18.262	18.262	18.262	18.262
			3 540.00	18.302	18.262	18.262	18.262
	3 500.01		27.572	27.572	27.512	27.512	
	3 534.99		27.572	27.512	27.512	27.512	
	3 500.01		37.882	38.042	37.882	38.042	
	3 529.98		37.882	37.962	37.882	37.962	
	3 500.01		47.353	47.552	47.453	47.552	
	3 525.00		47.453	47.552	47.453	47.552	
	3 500.01		58.022	58.022	58.022	57.902	
	3 519.99		57.902	58.022	58.142	58.022	
	3 500.01		67.413	67.552	67.552	67.552	
	3 514.98		67.413	67.552	67.552	67.692	
	3 500.01		77.363	77.522	77.682	77.522	
	3 510.00		77.363	77.363	77.522	77.682	
	3 500.01		87.572	87.572	87.572	87.572	
	3 504.99		87.393	87.393	87.393	87.393	
	100		3 500.01	97.502	97.502	97.502	97.502

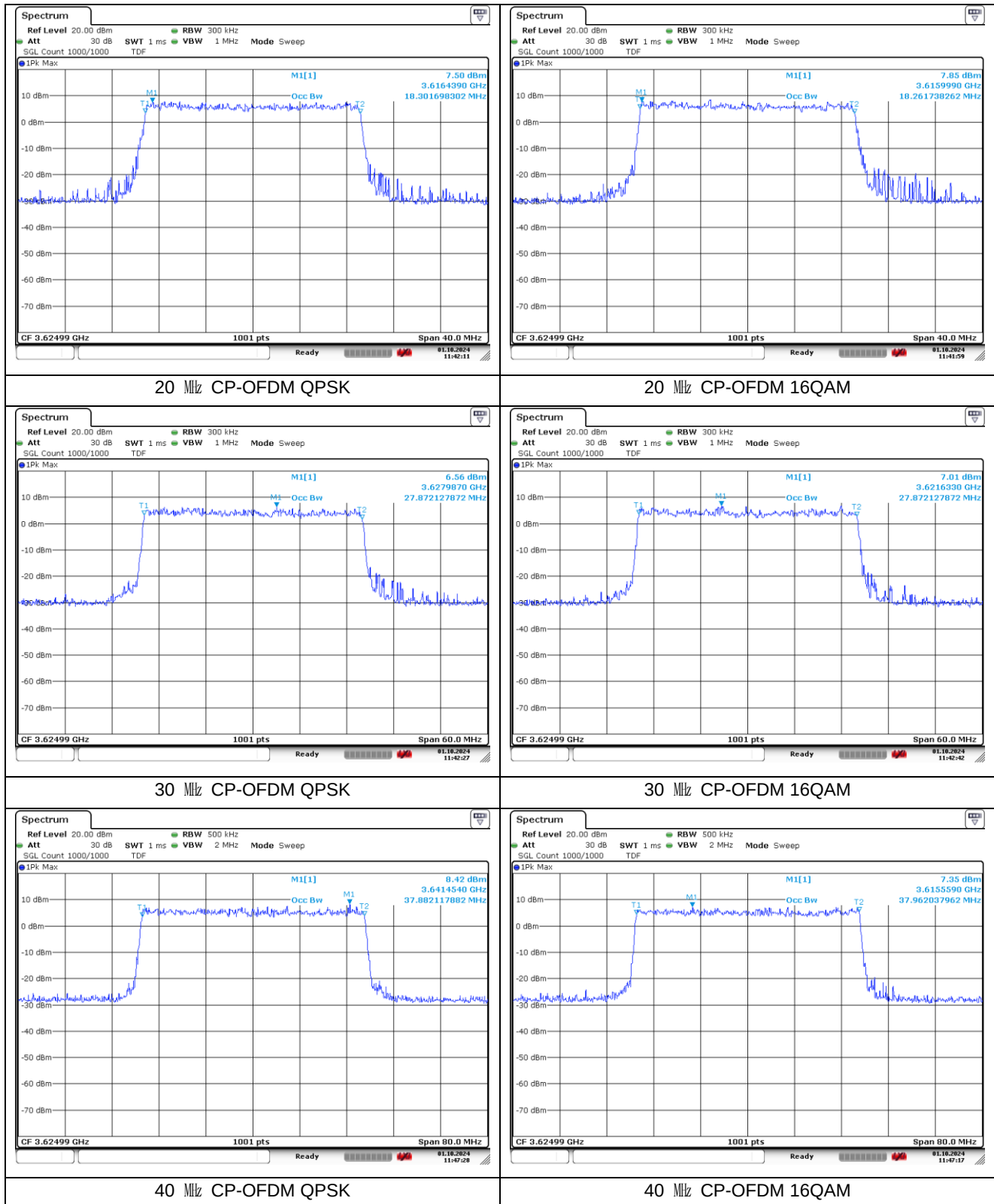
Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	Ant. 1		Ant. 2	
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
n78 High Band FCC	20	30	3 710.01	18.262	18.302	18.302	18.302
			3 750.00	18.302	18.262	18.262	18.222
			3 789.99	18.302	18.222	18.262	18.262
	30		3 715.02	27.512	27.512	27.512	27.512
			3 750.00	27.512	27.512	27.512	27.512
			3 784.98	27.512	27.512	27.512	27.512
	40		3 720.00	37.962	37.962	37.962	38.042
			3 750.00	37.962	37.962	37.882	37.962
			3 780.00	37.962	38.042	37.882	37.962
	50		3 725.01	47.552	47.552	47.552	47.552
			3 750.00	47.552	47.552	47.552	47.652
			3 774.99	47.453	47.552	47.453	47.552
	60		3 730.02	58.142	58.022	58.142	57.902
			3 750.00	58.022	57.902	58.142	57.902
			3 769.98	58.142	58.022	58.142	58.022
	70		3 735.00	67.552	67.552	67.552	67.552
			3 750.00	67.552	67.552	67.552	67.552
			3 765.00	67.552	67.692	67.552	67.692
	80		3 740.01	77.522	77.522	77.522	77.522
			3 750.00	77.522	77.682	77.522	77.682
			3 759.99	77.522	77.522	77.522	77.682
	90		3 745.02	87.572	87.393	87.752	87.393
			3 750.00	87.572	87.572	87.572	87.393
			3 754.98	87.393	87.393	87.572	87.572
	100		3 750.00	97.702	97.702	97.702	97.702

- Test plots

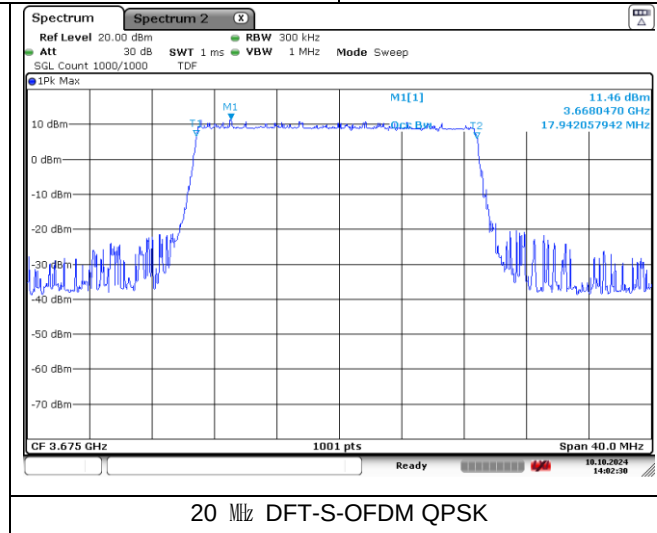
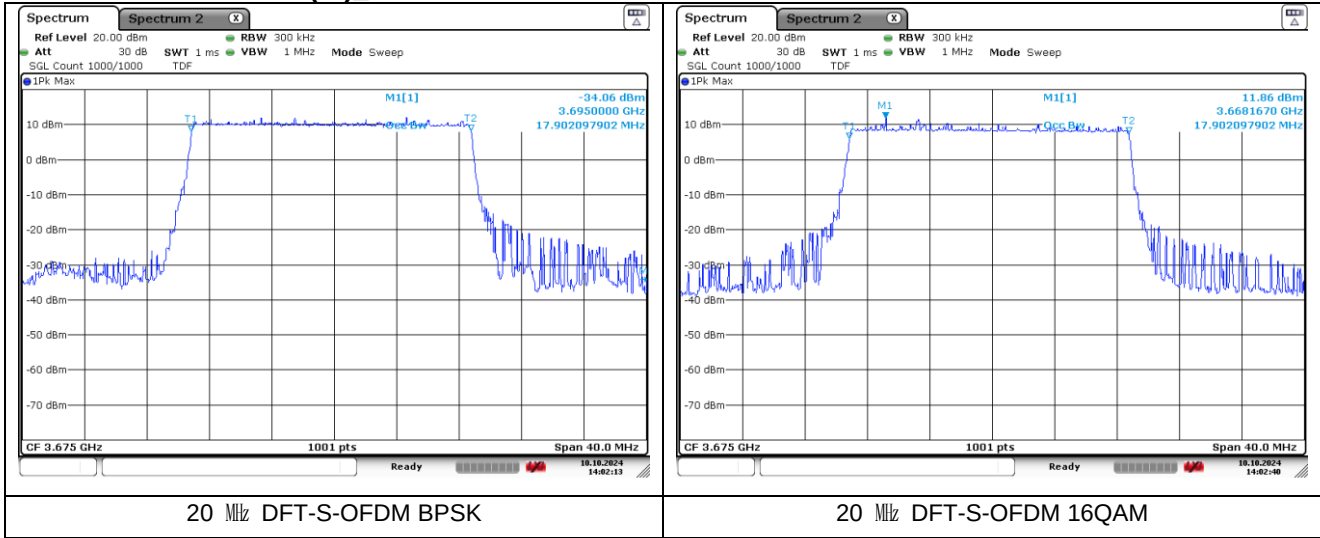
NR band 48_Ant. 1

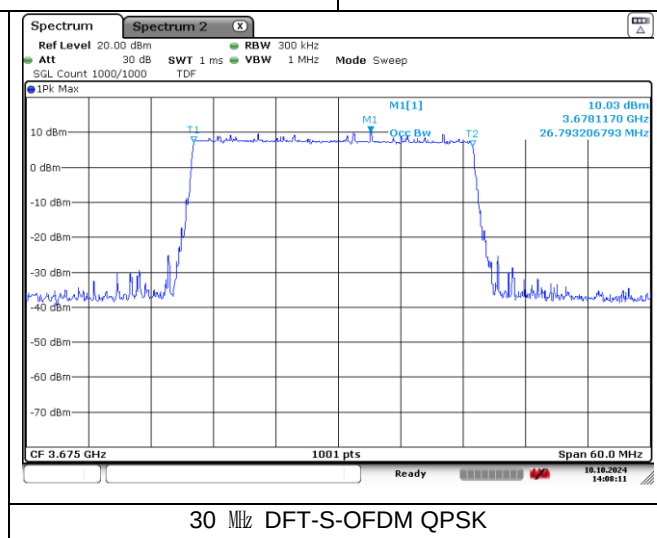
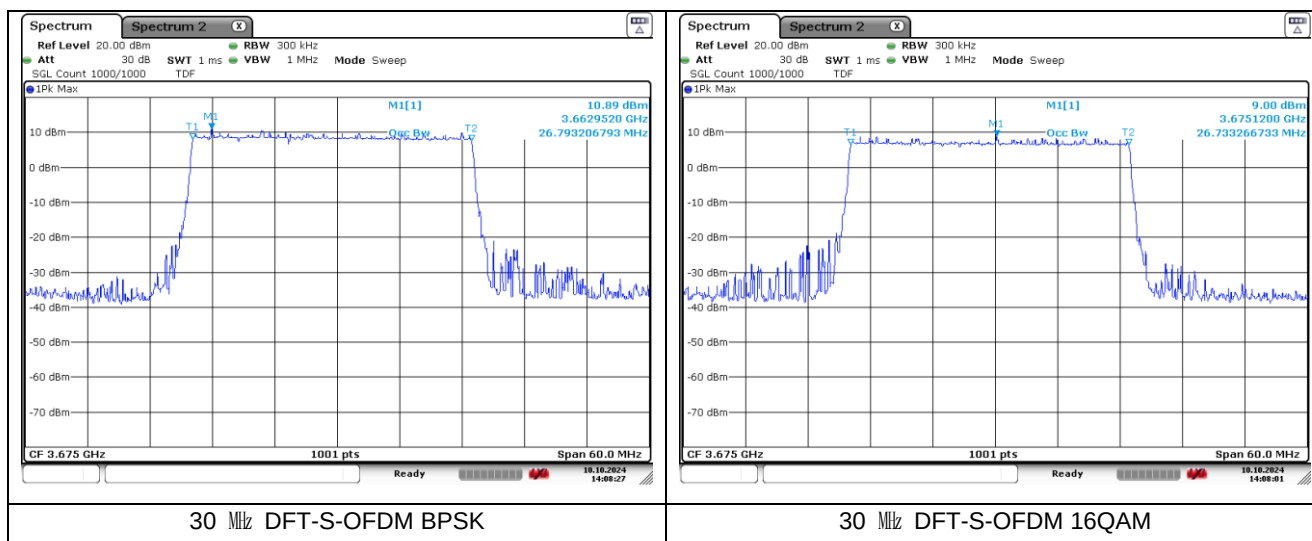


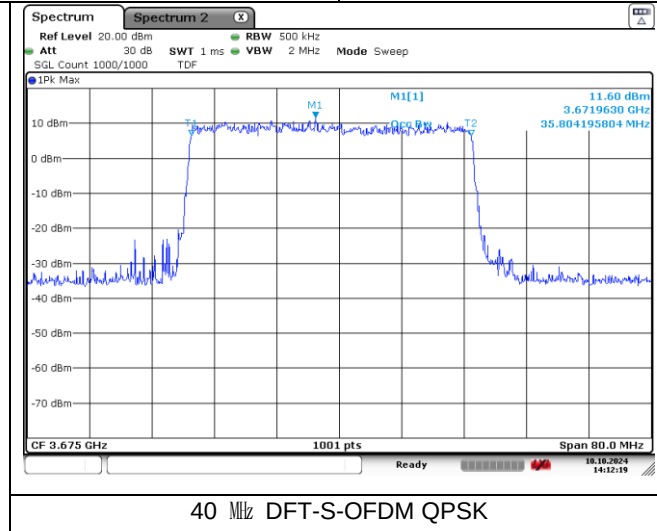
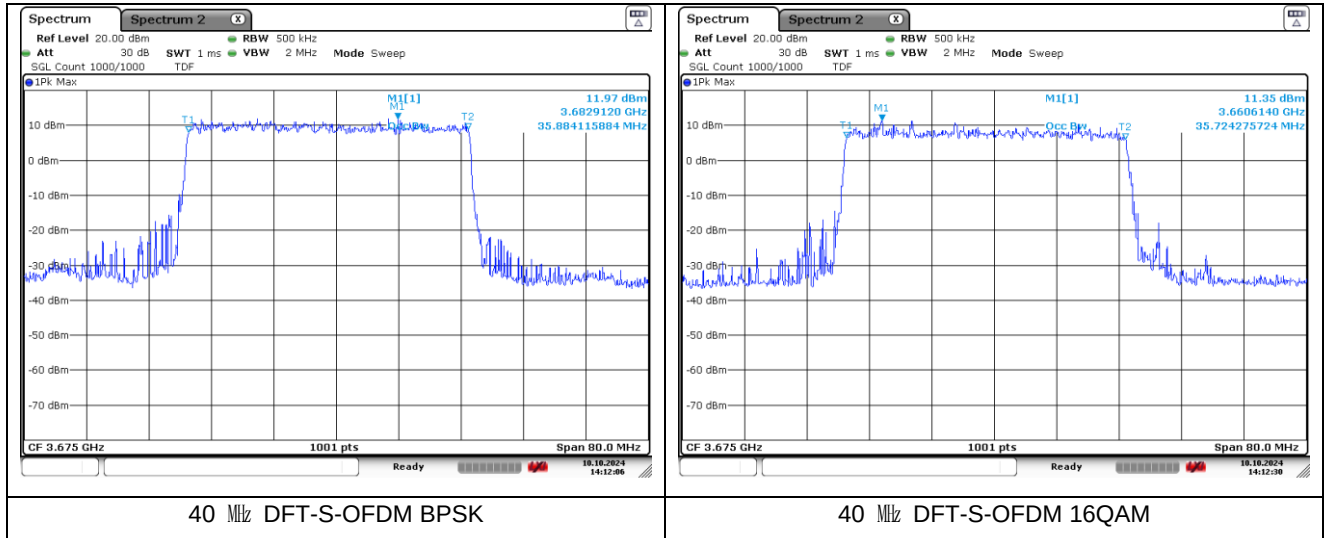
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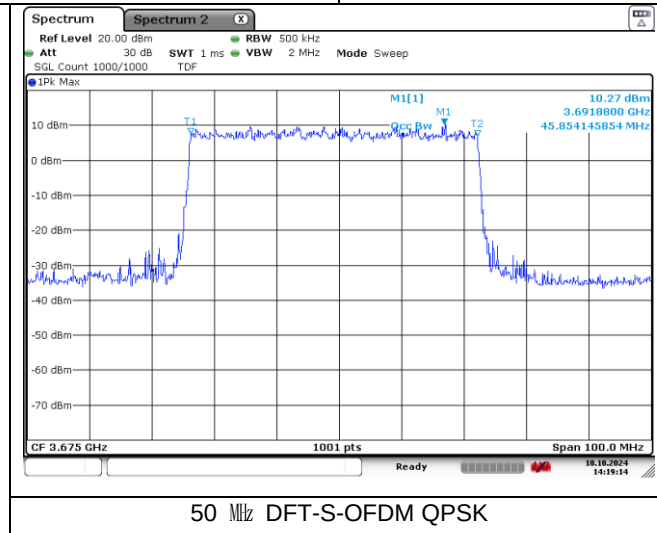
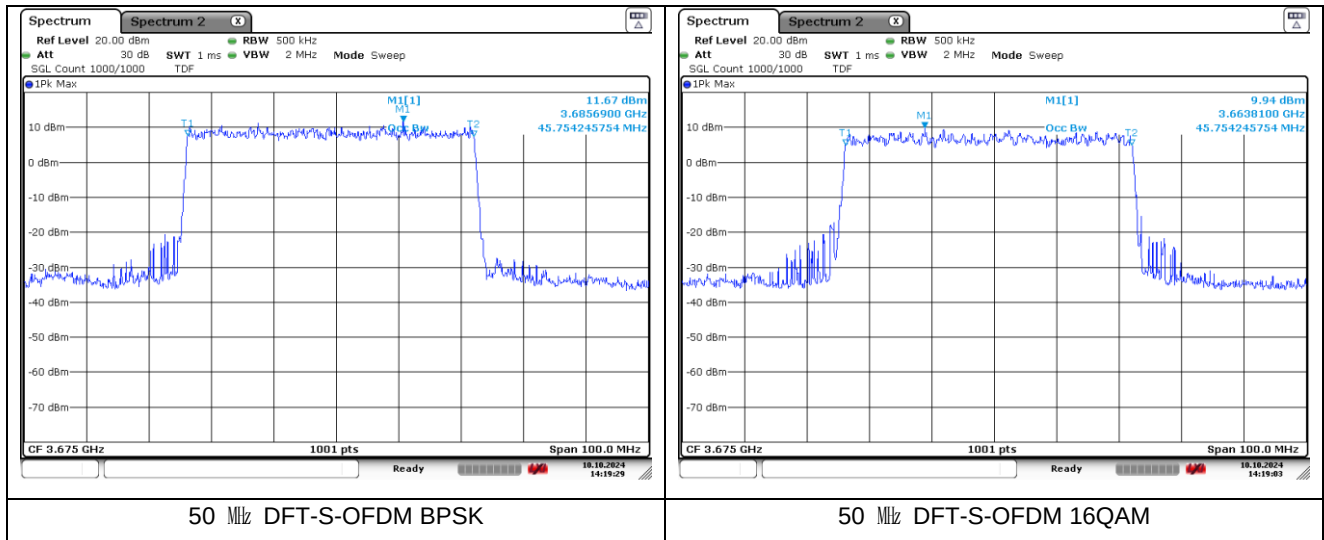


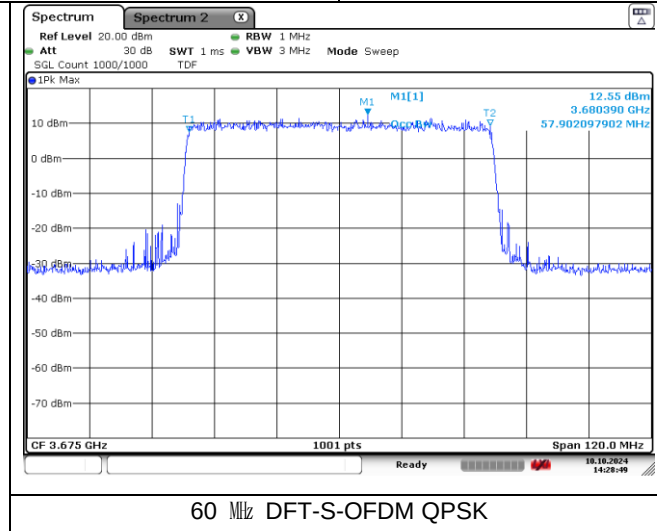
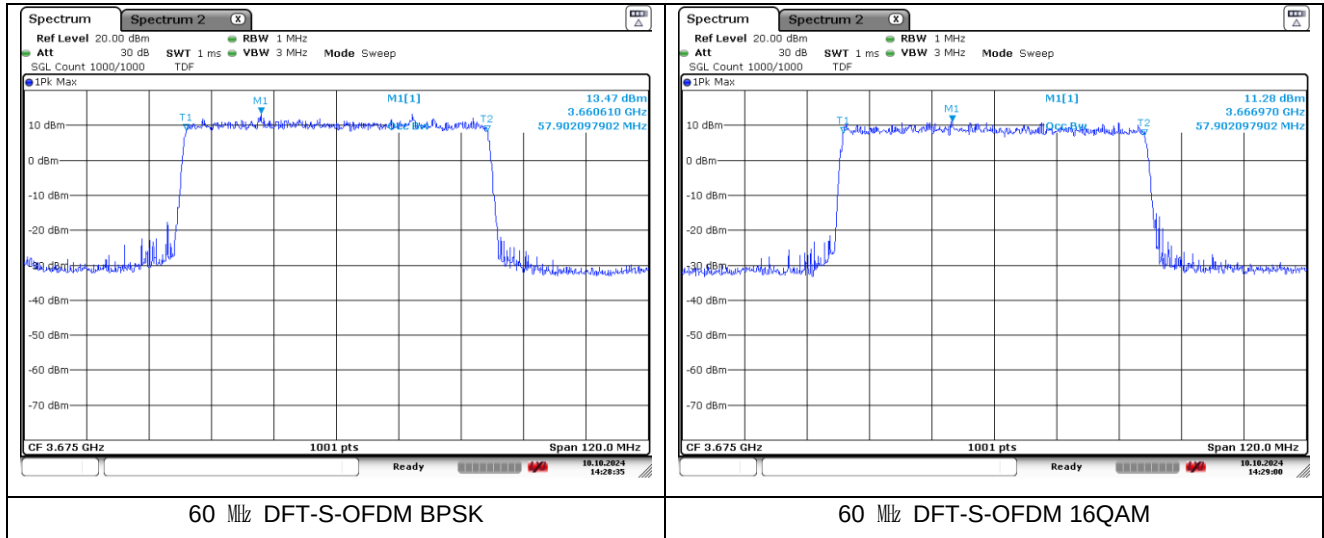
NR band 77 Low Band (IC) Ant. 1

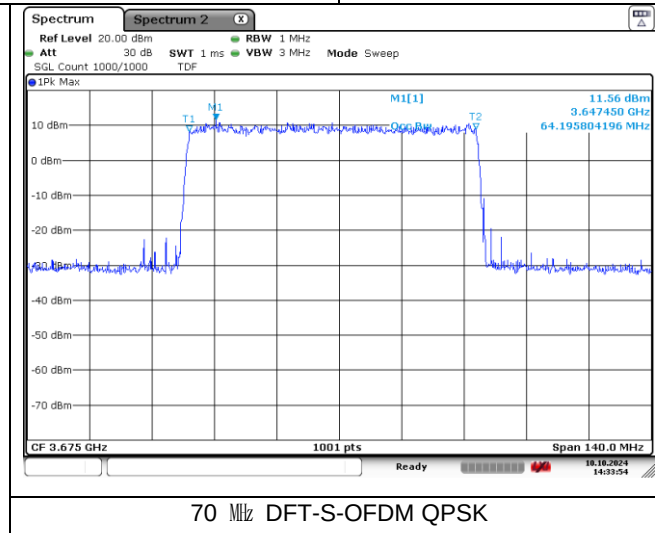
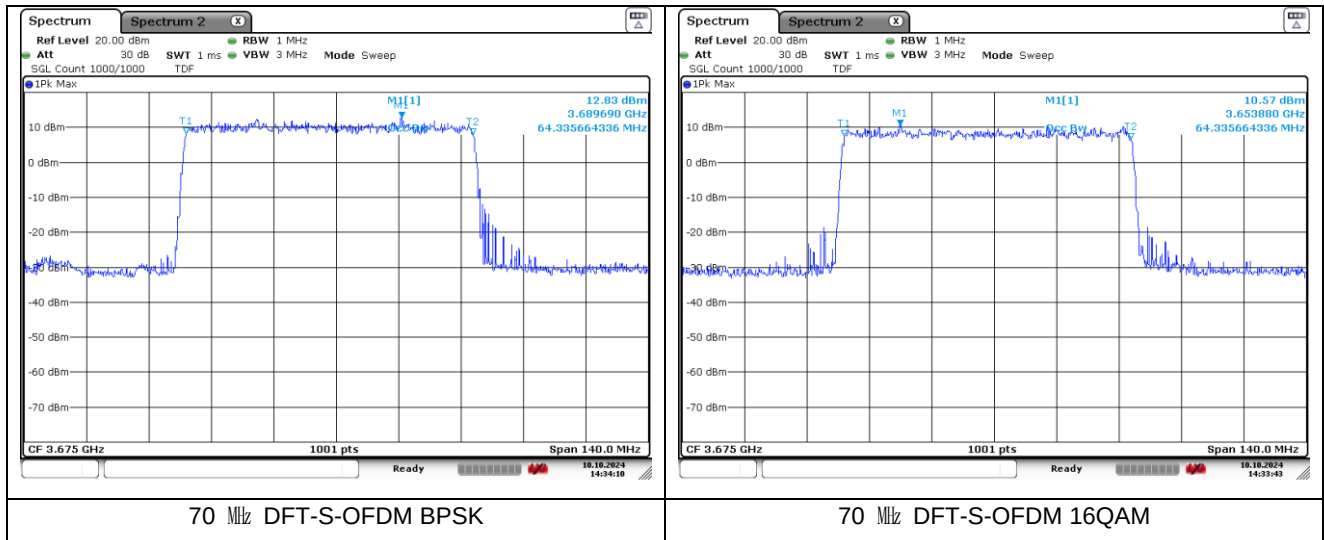


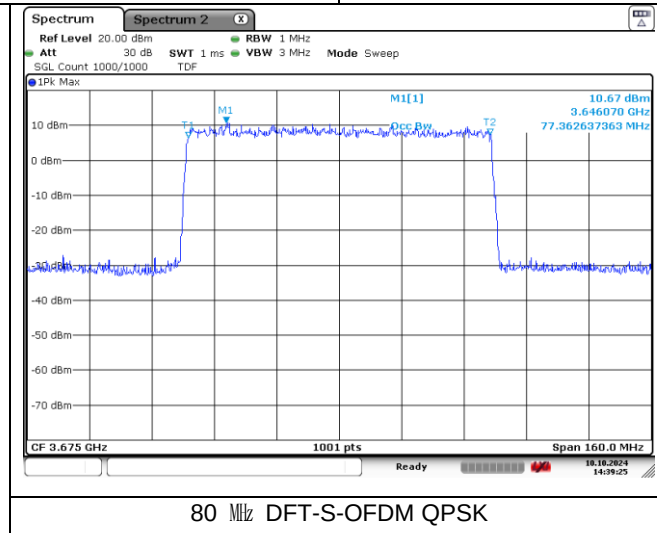
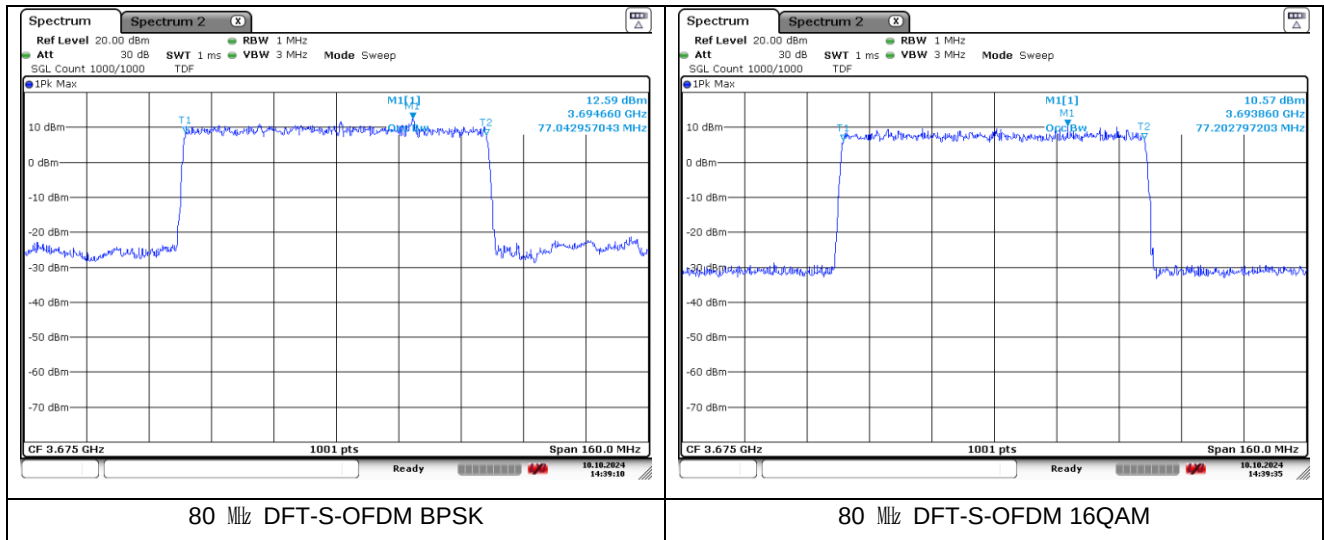


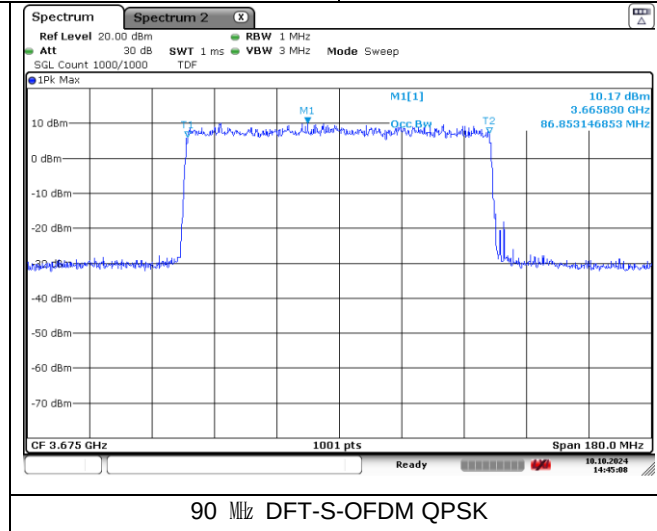
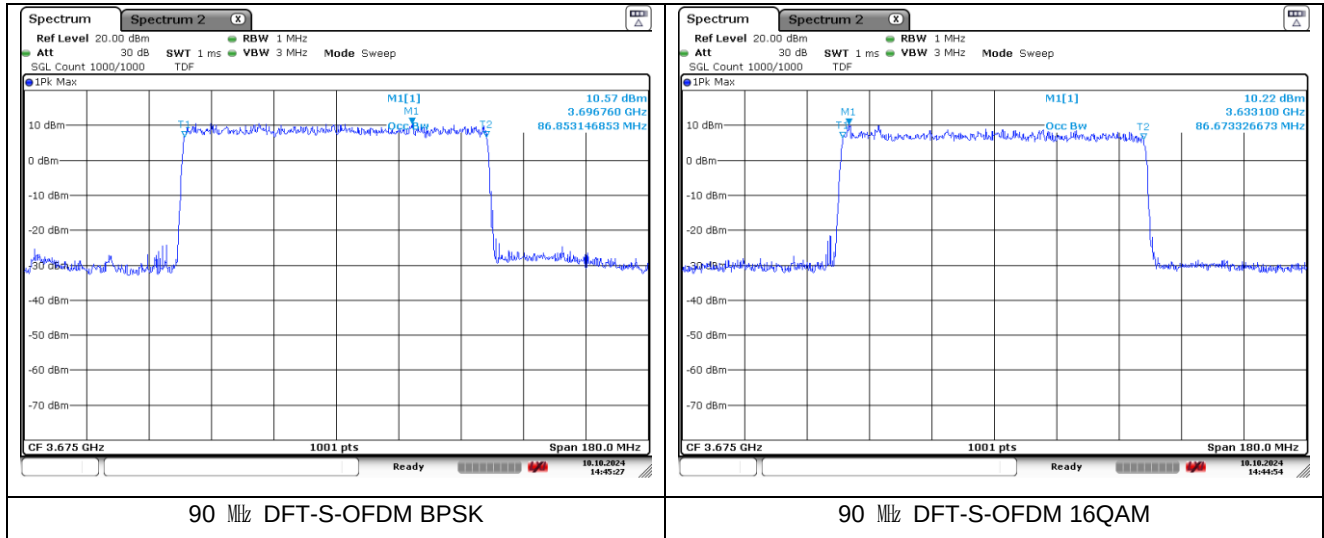


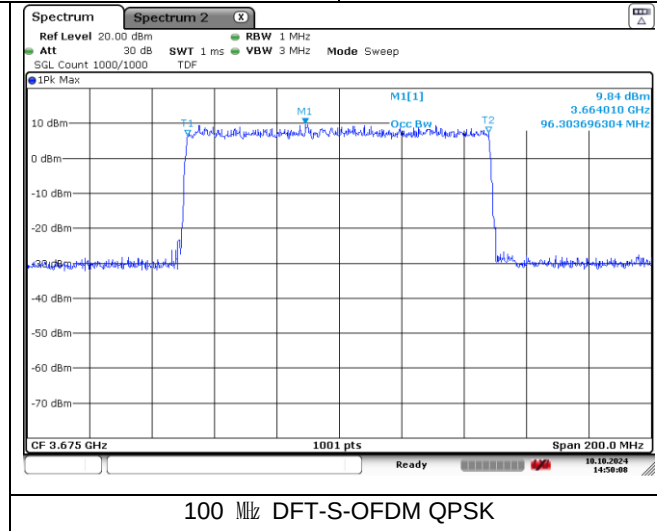
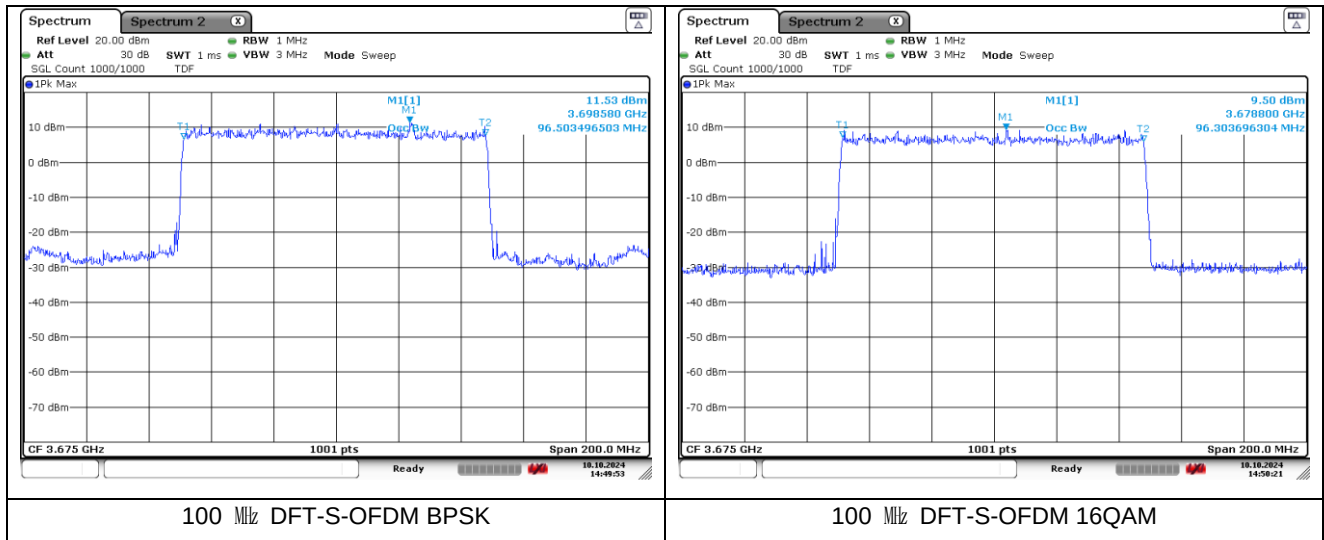


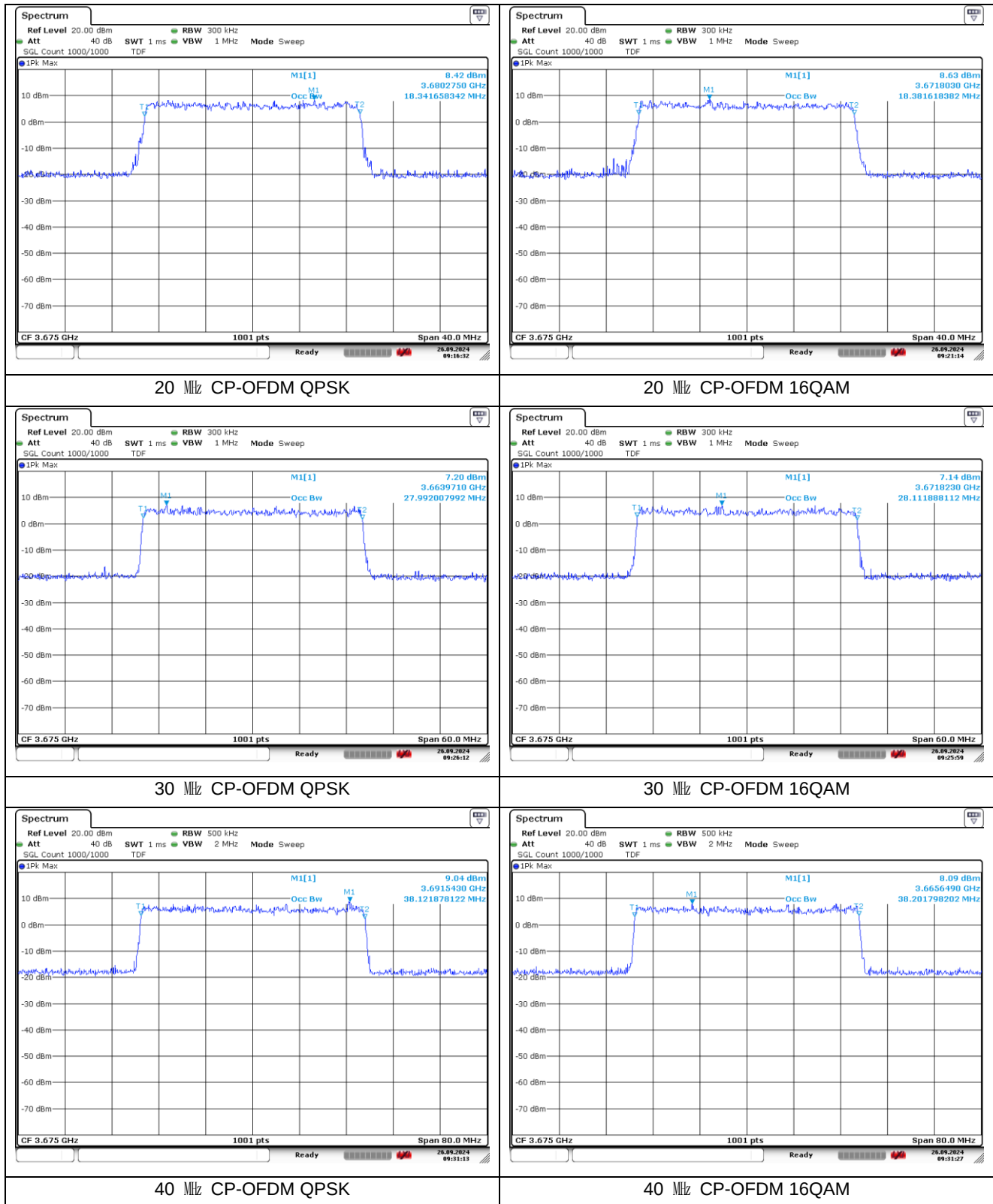


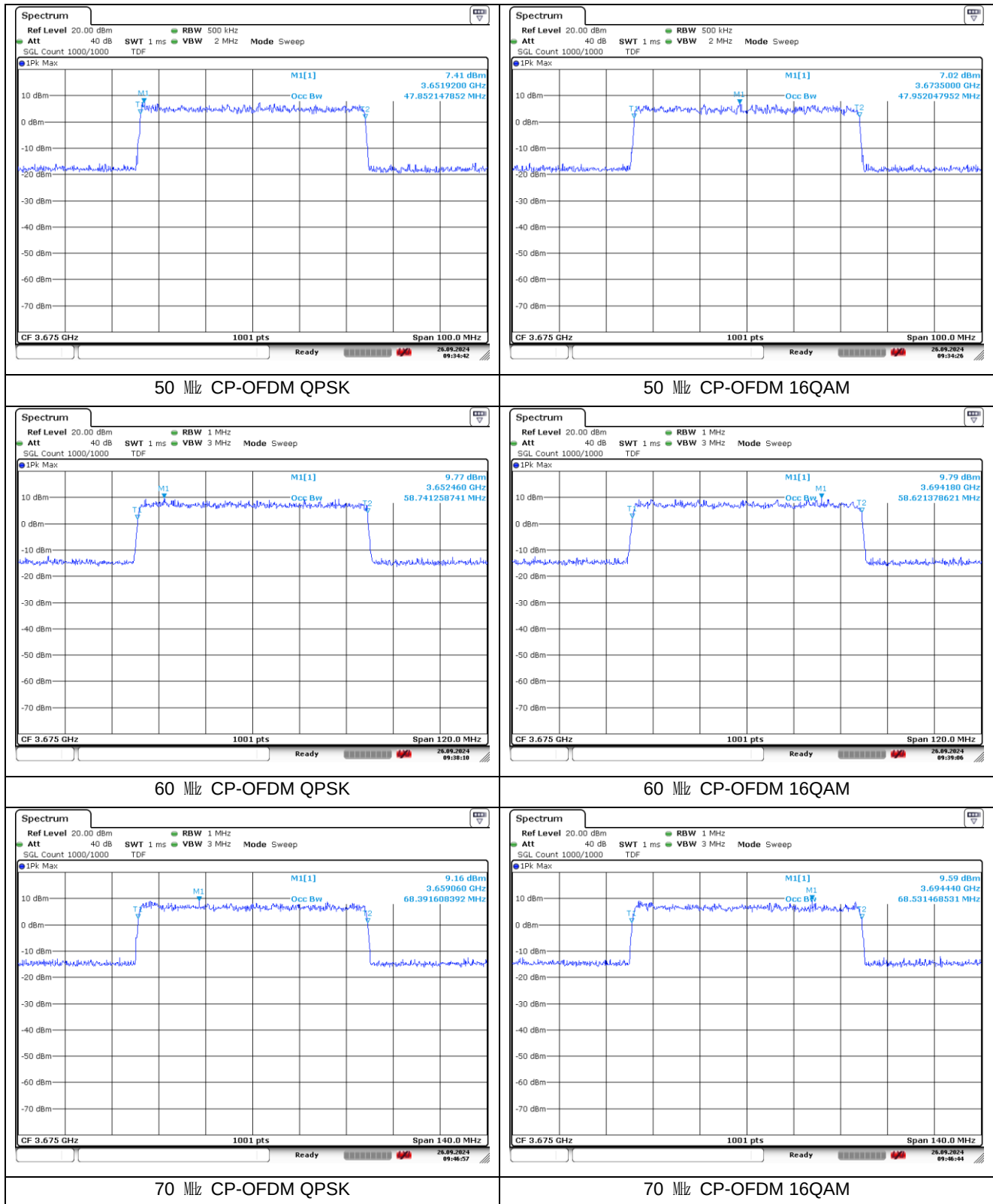






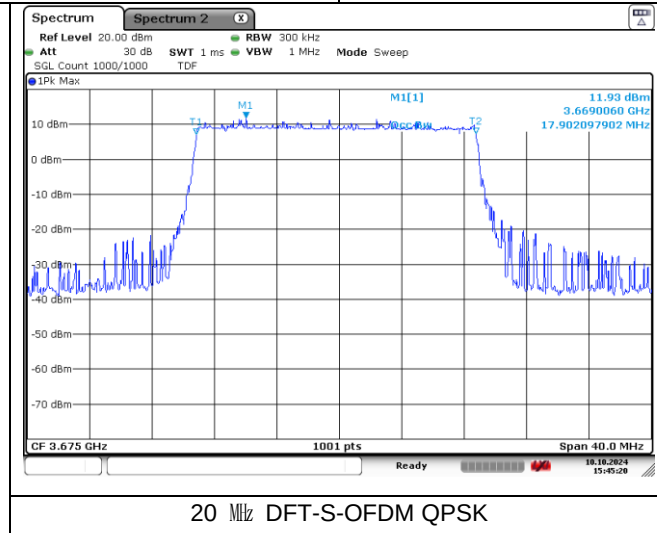
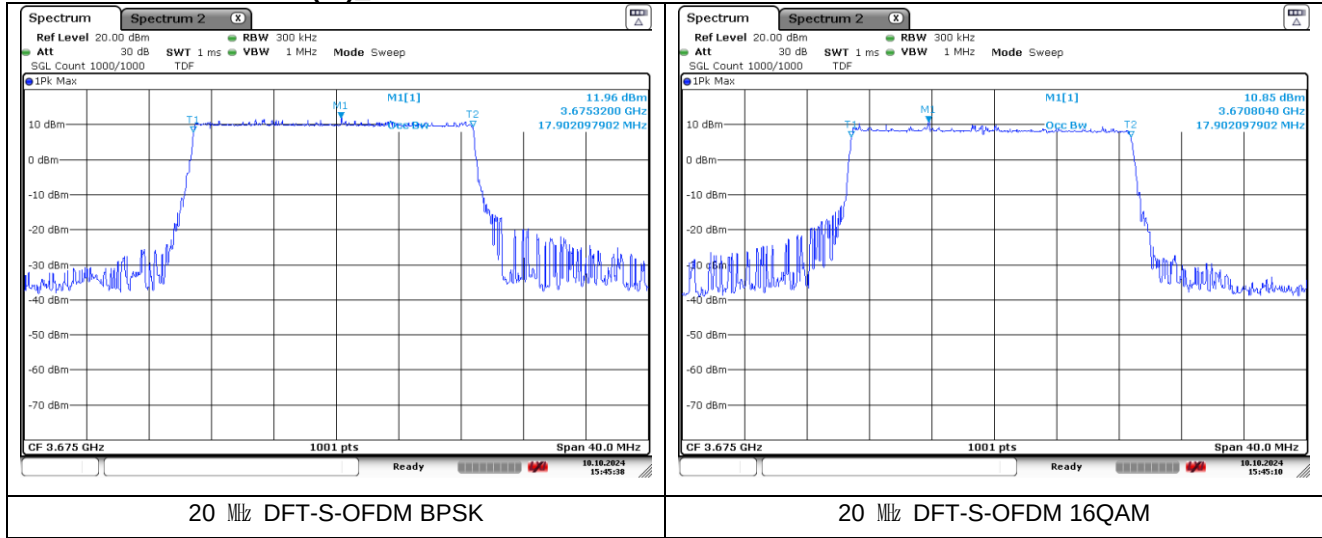


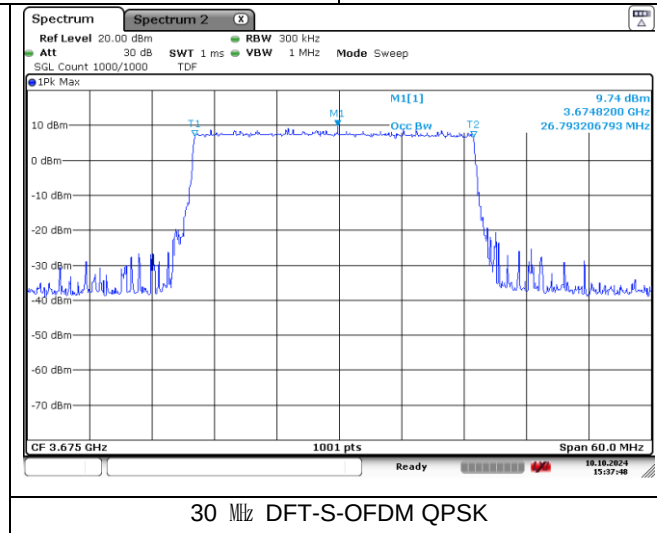
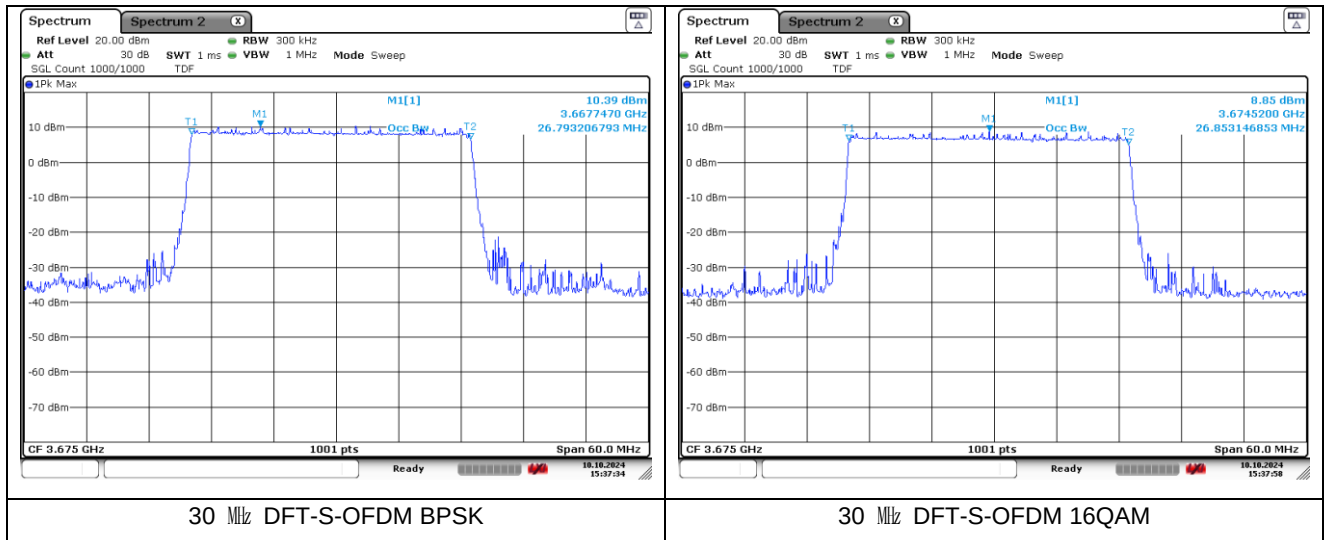


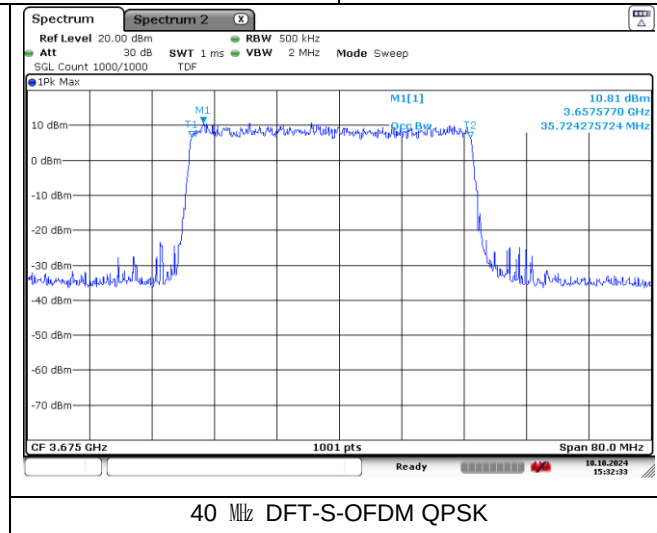
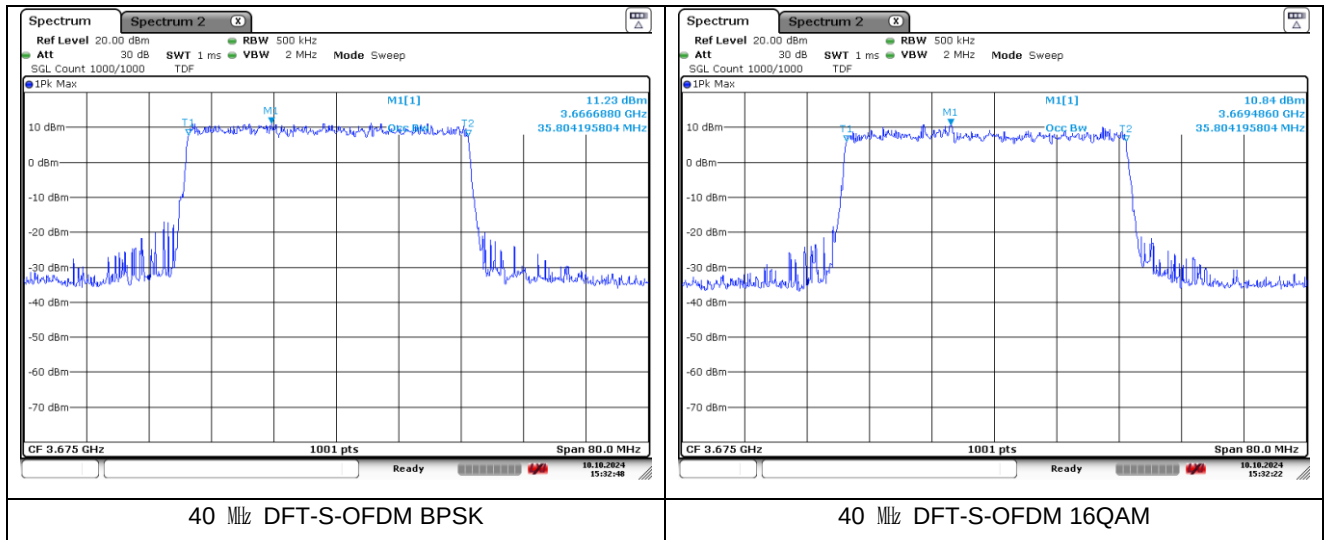


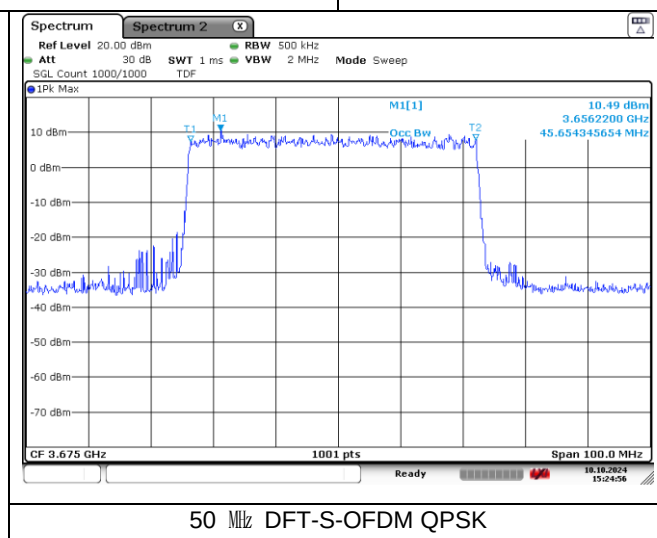
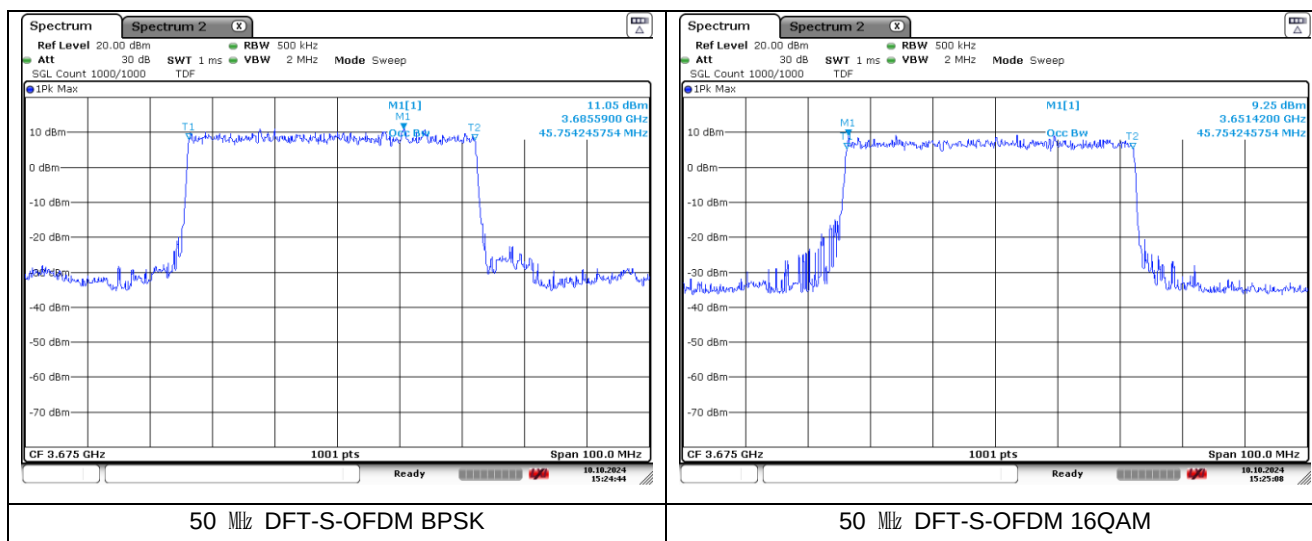


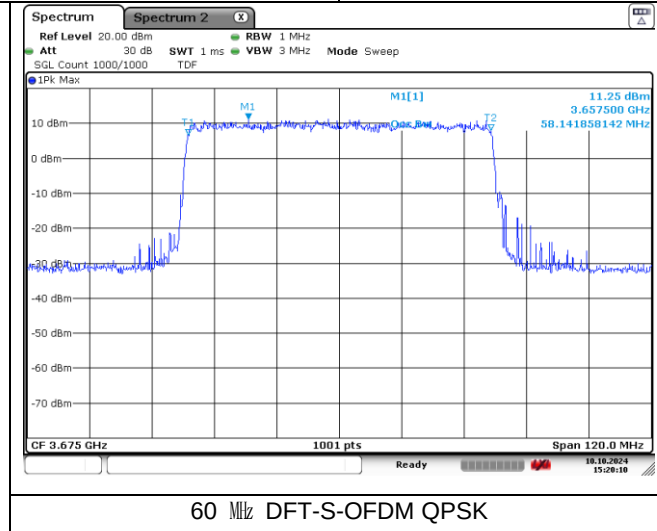
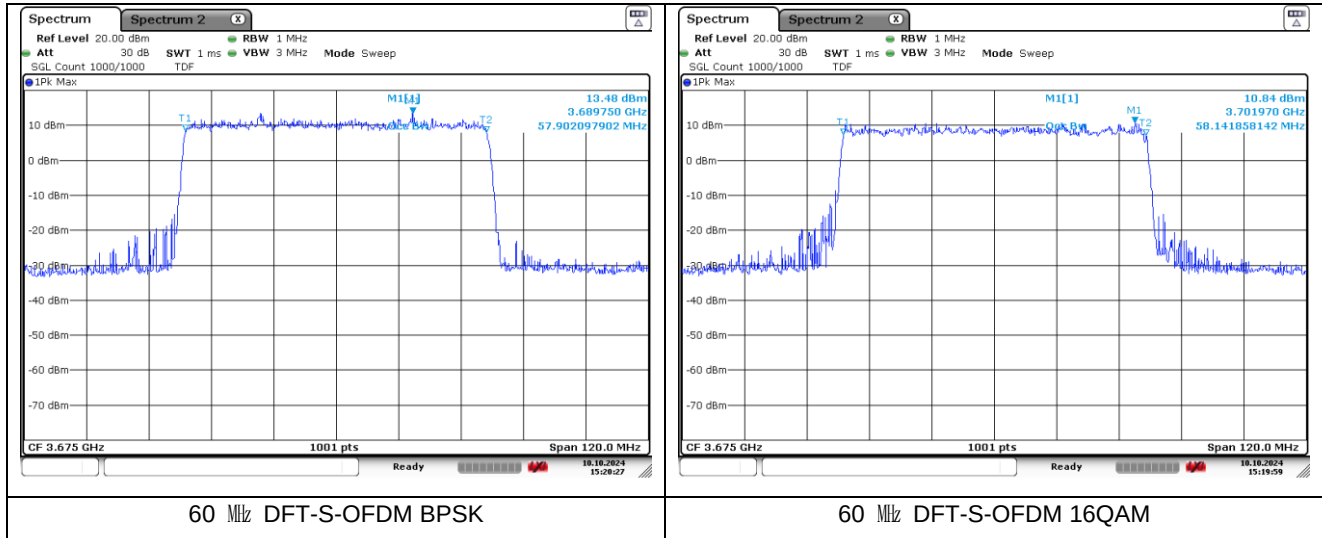
NR band 77 Low Band (IC) Ant. 2

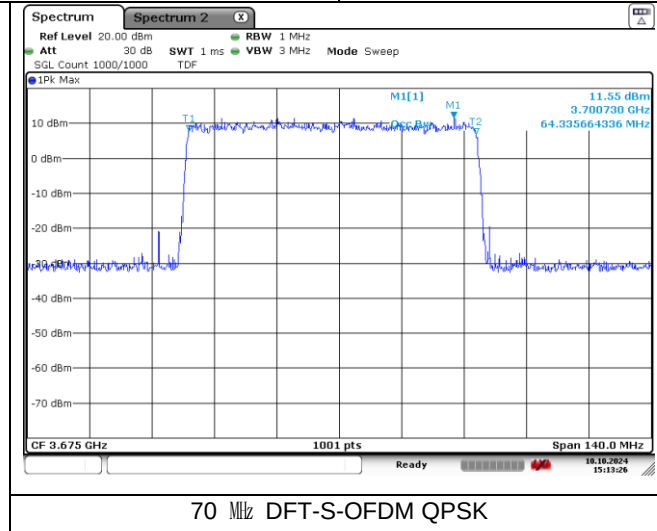
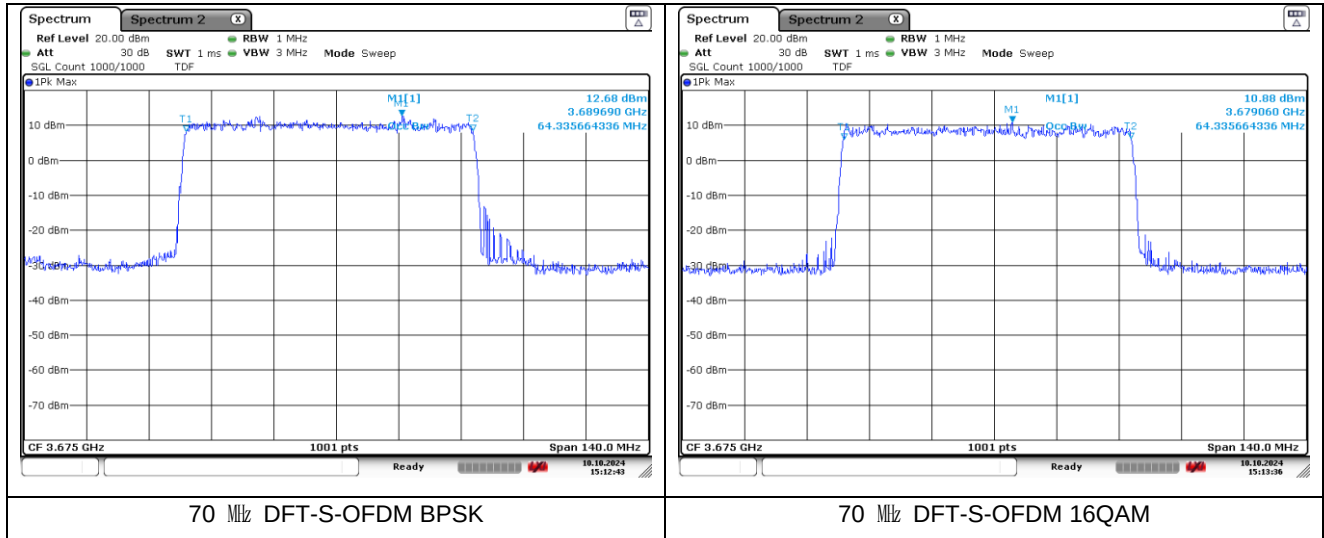


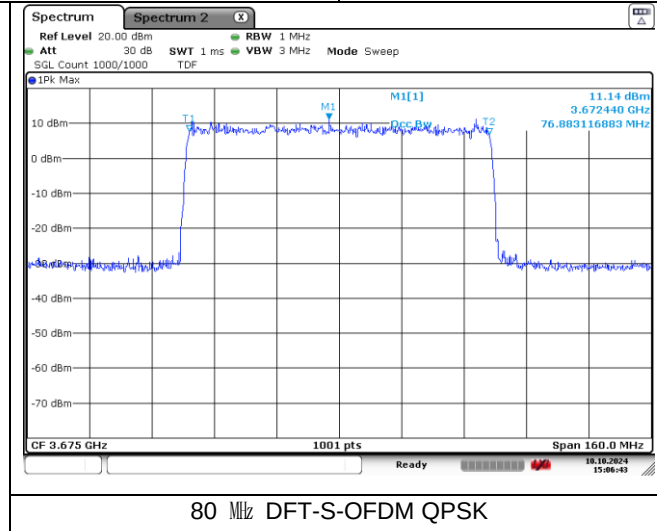
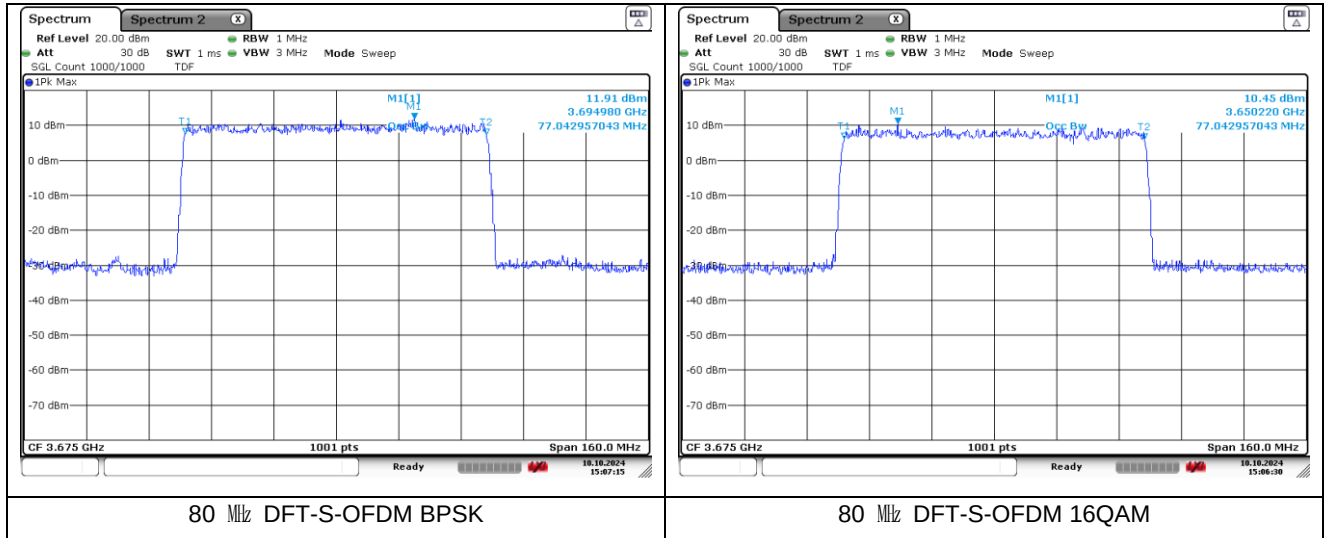


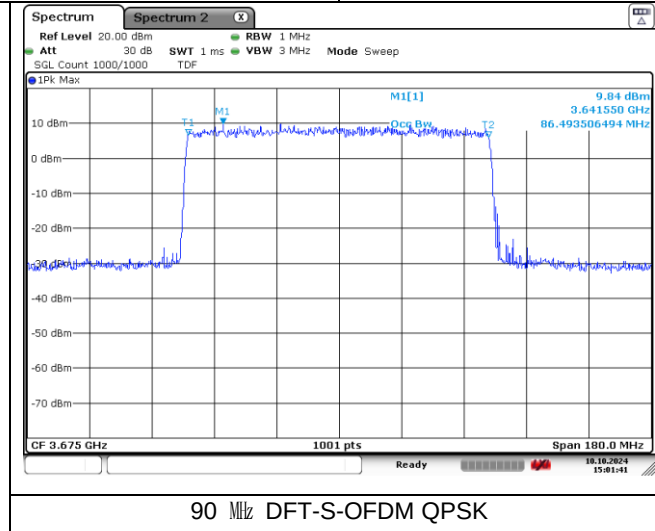
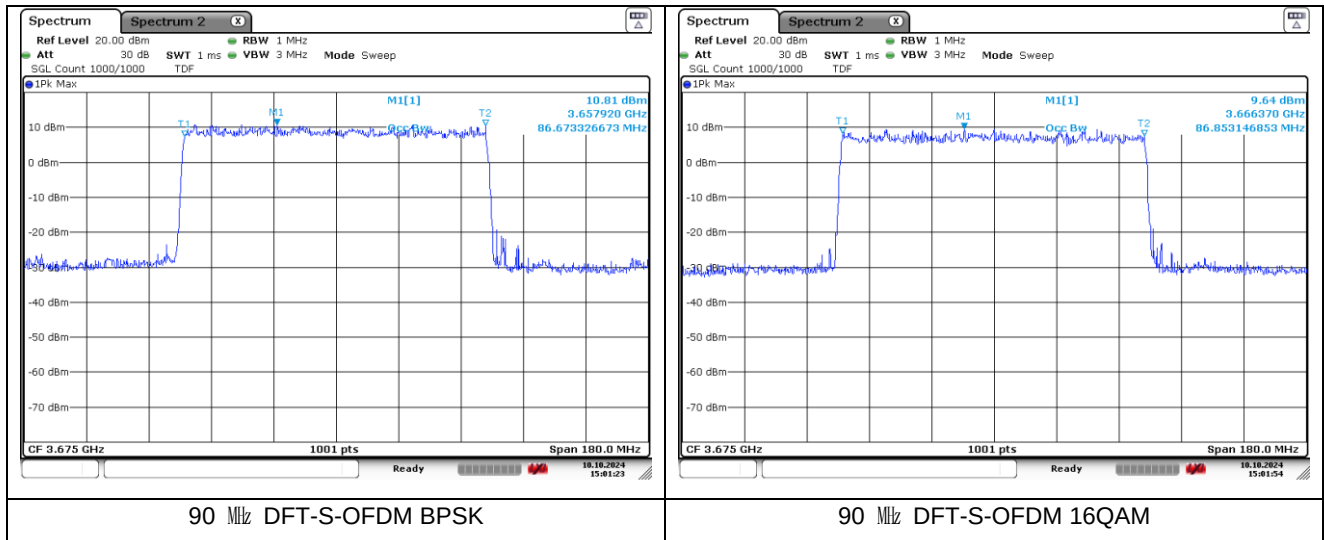


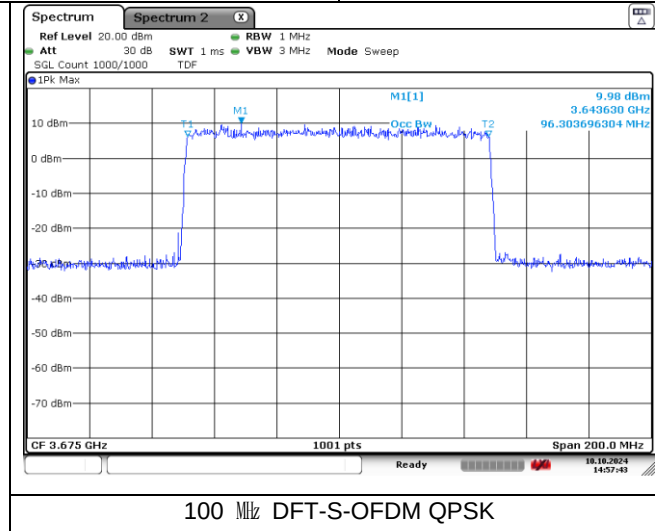
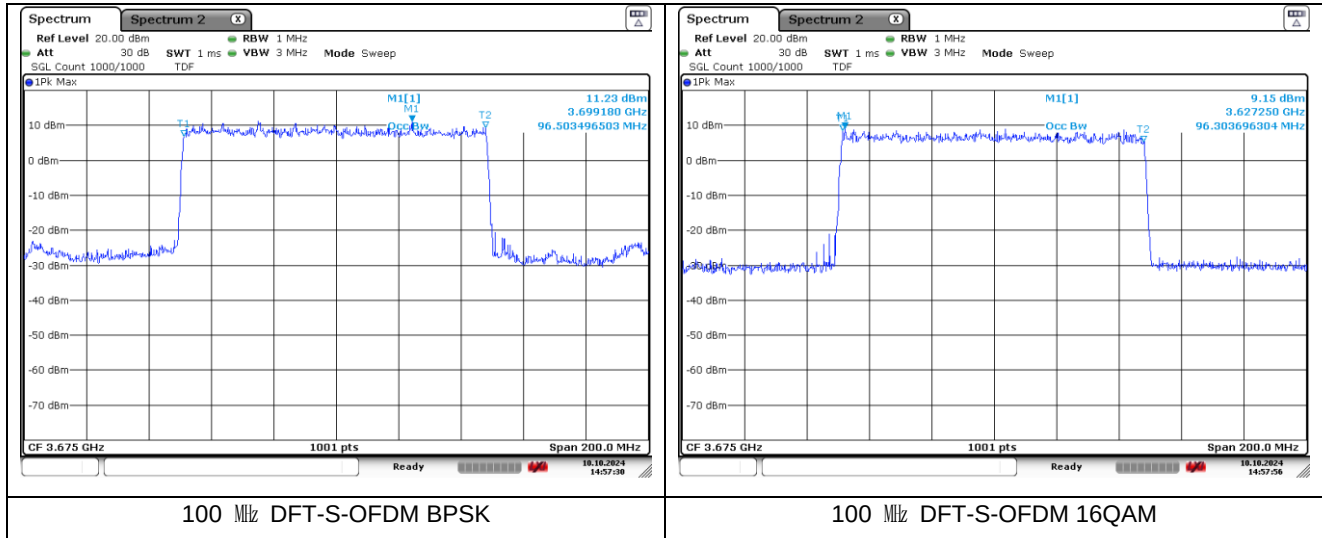


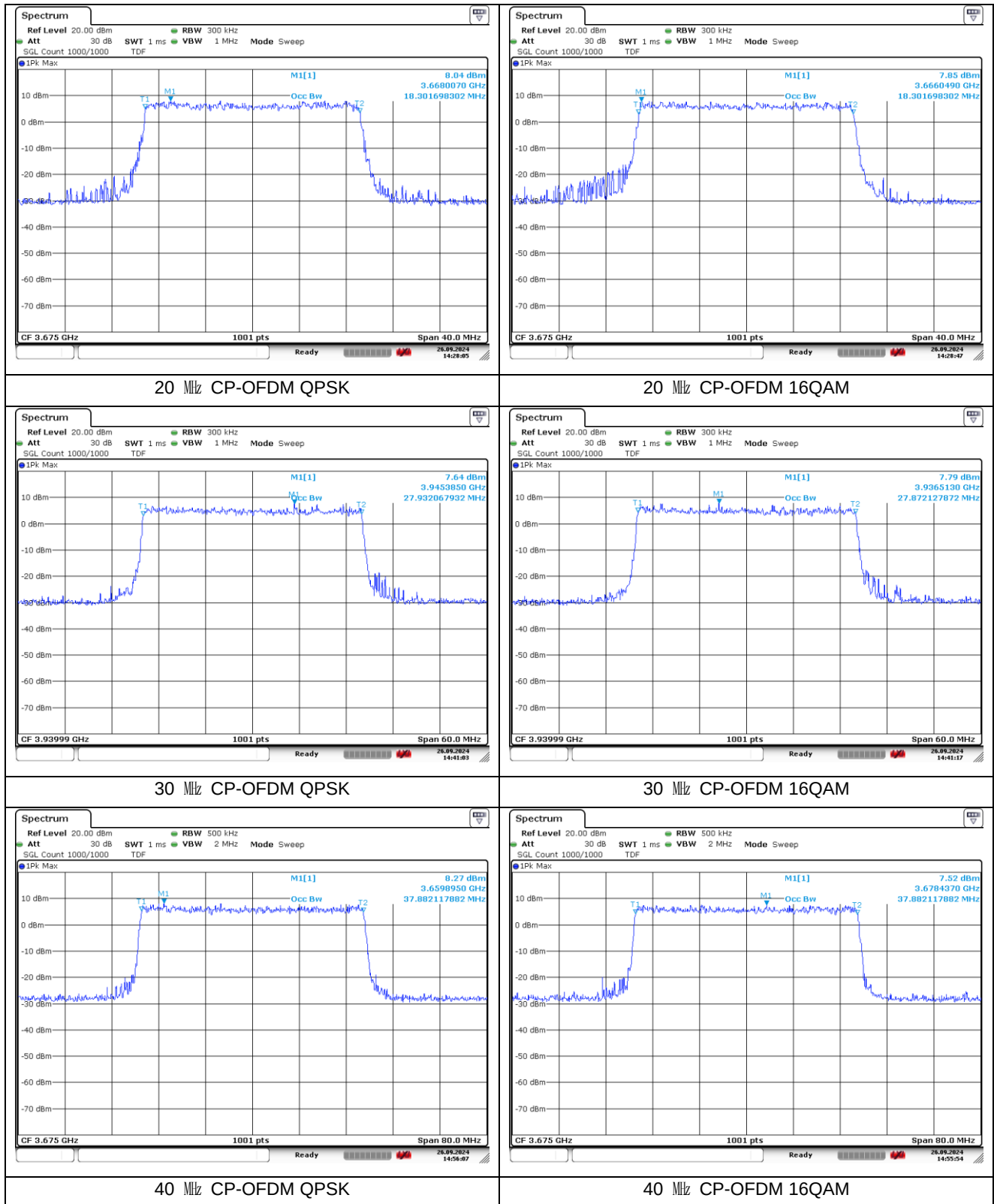


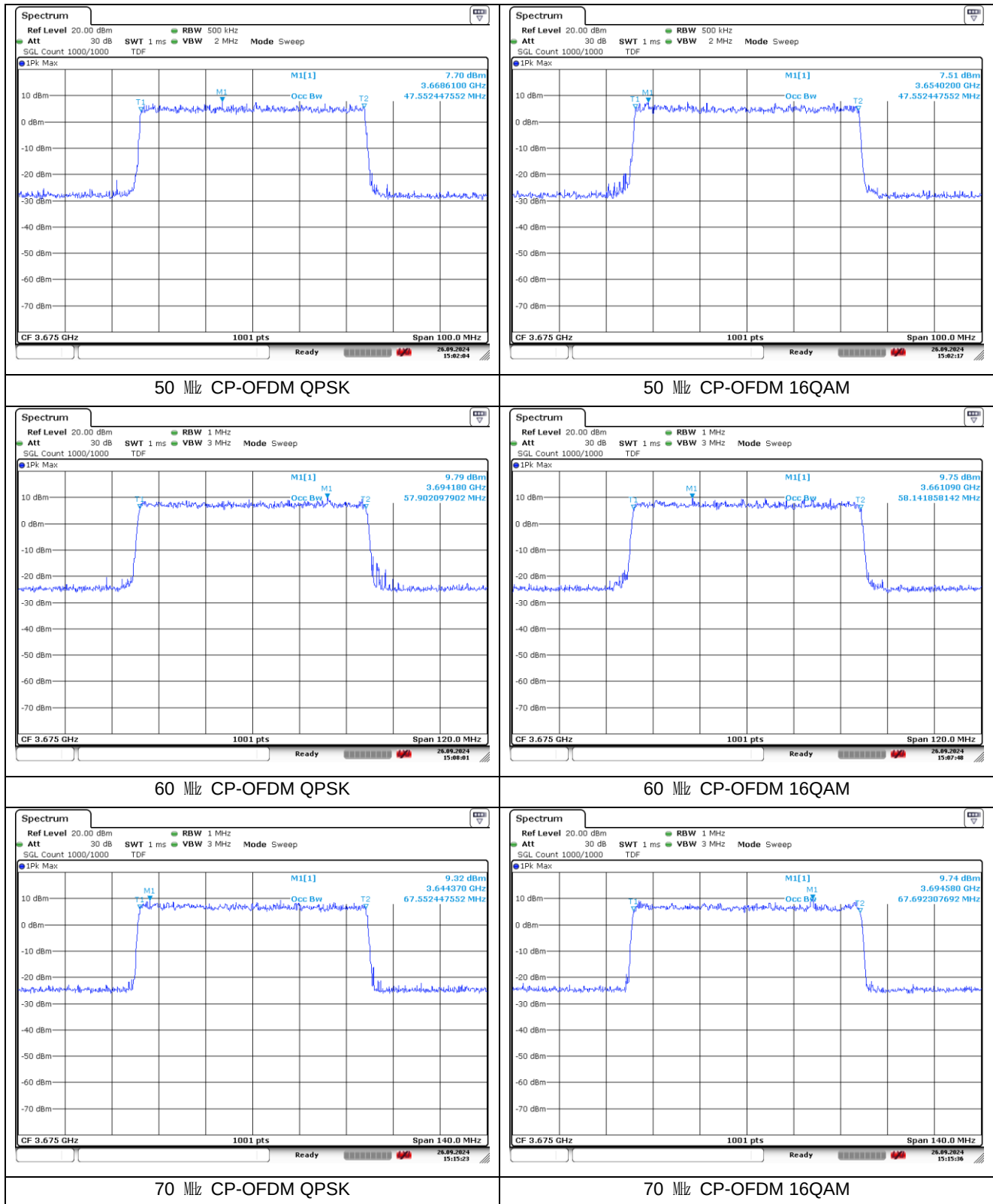


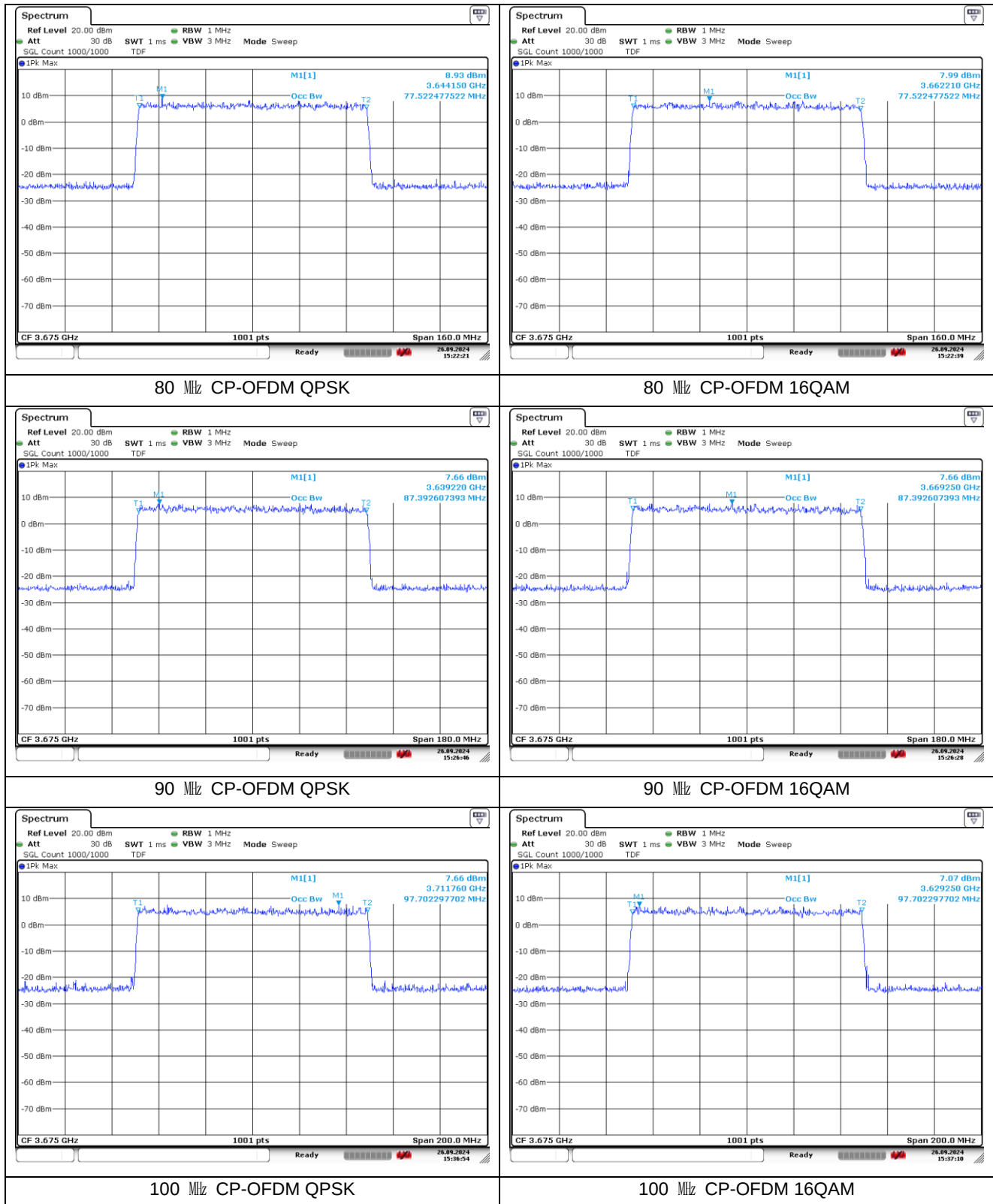












NR band 77 High Band (IC)_Ant. 1

