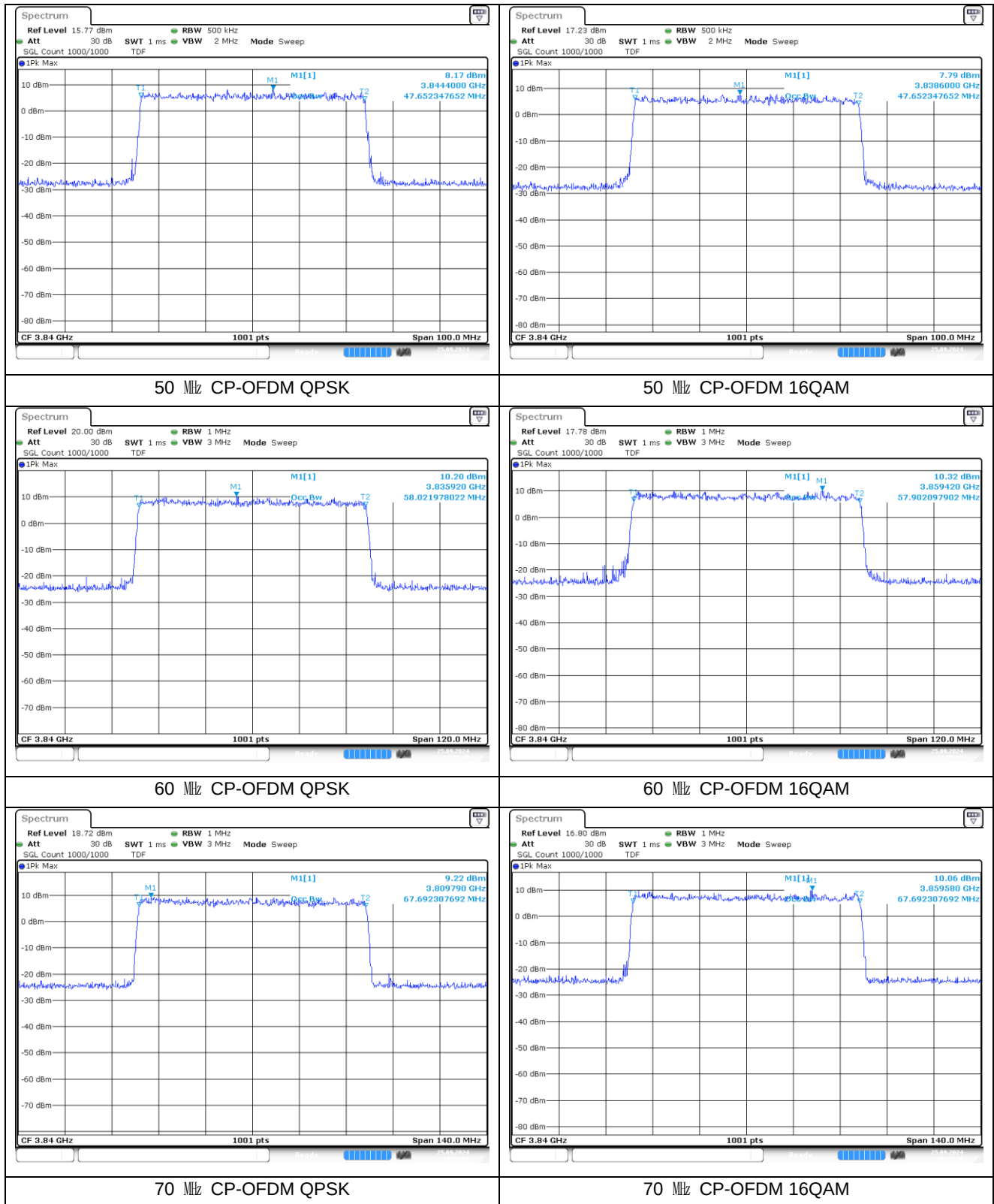
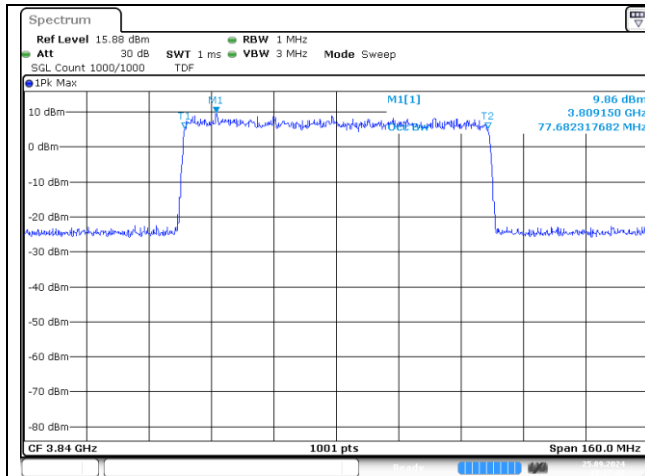
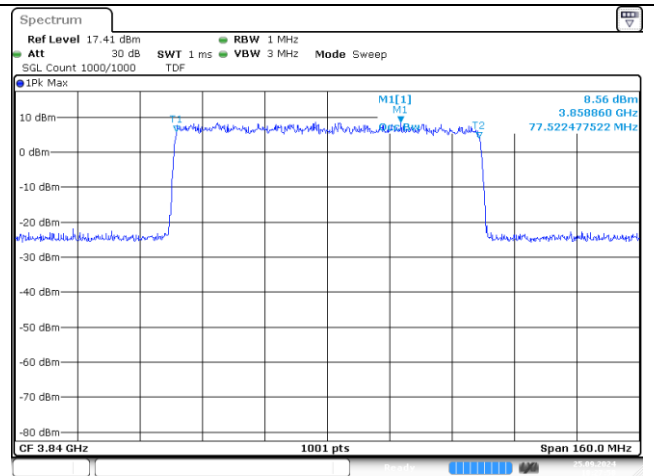


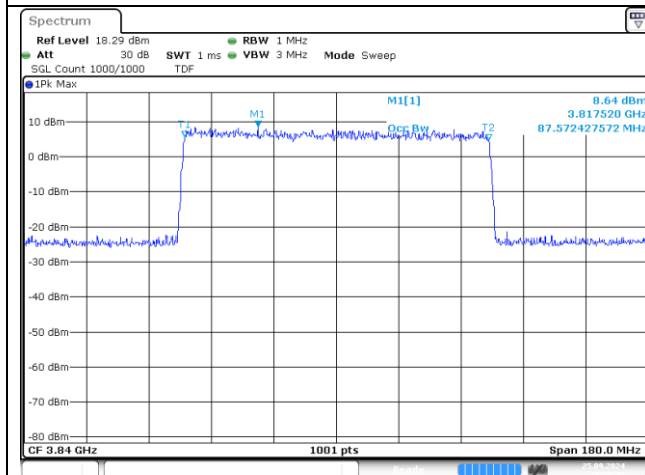




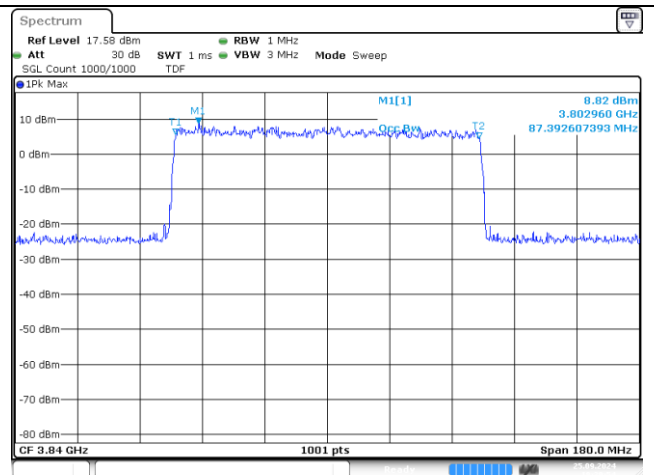
80 MHz CP-OFDM QPSK



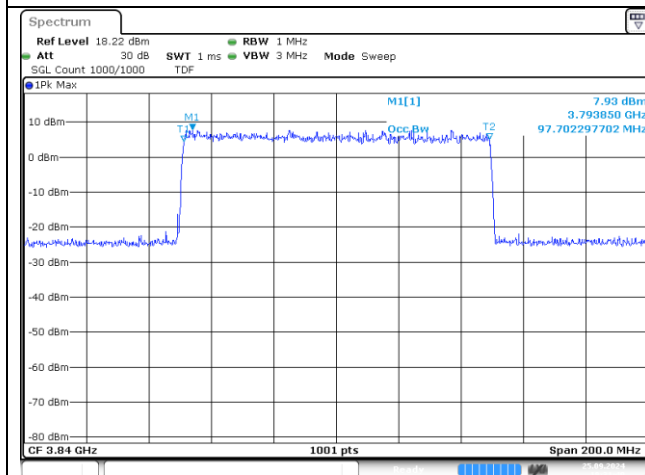
80 MHz CP-OFDM 16QAM



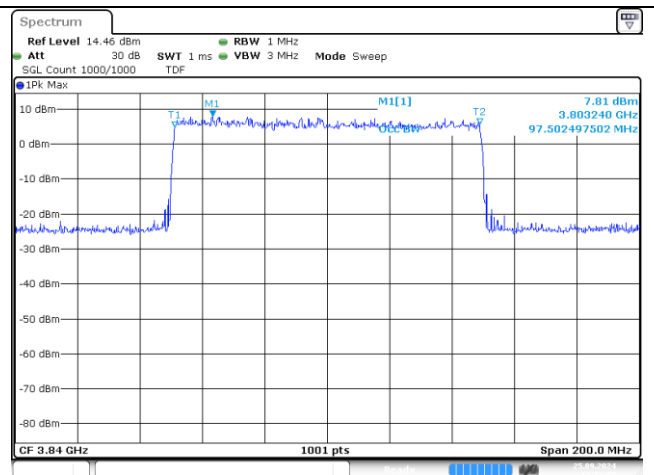
90 MHz CP-OFDM QPSK



90 MHz CP-OFDM 16QAM

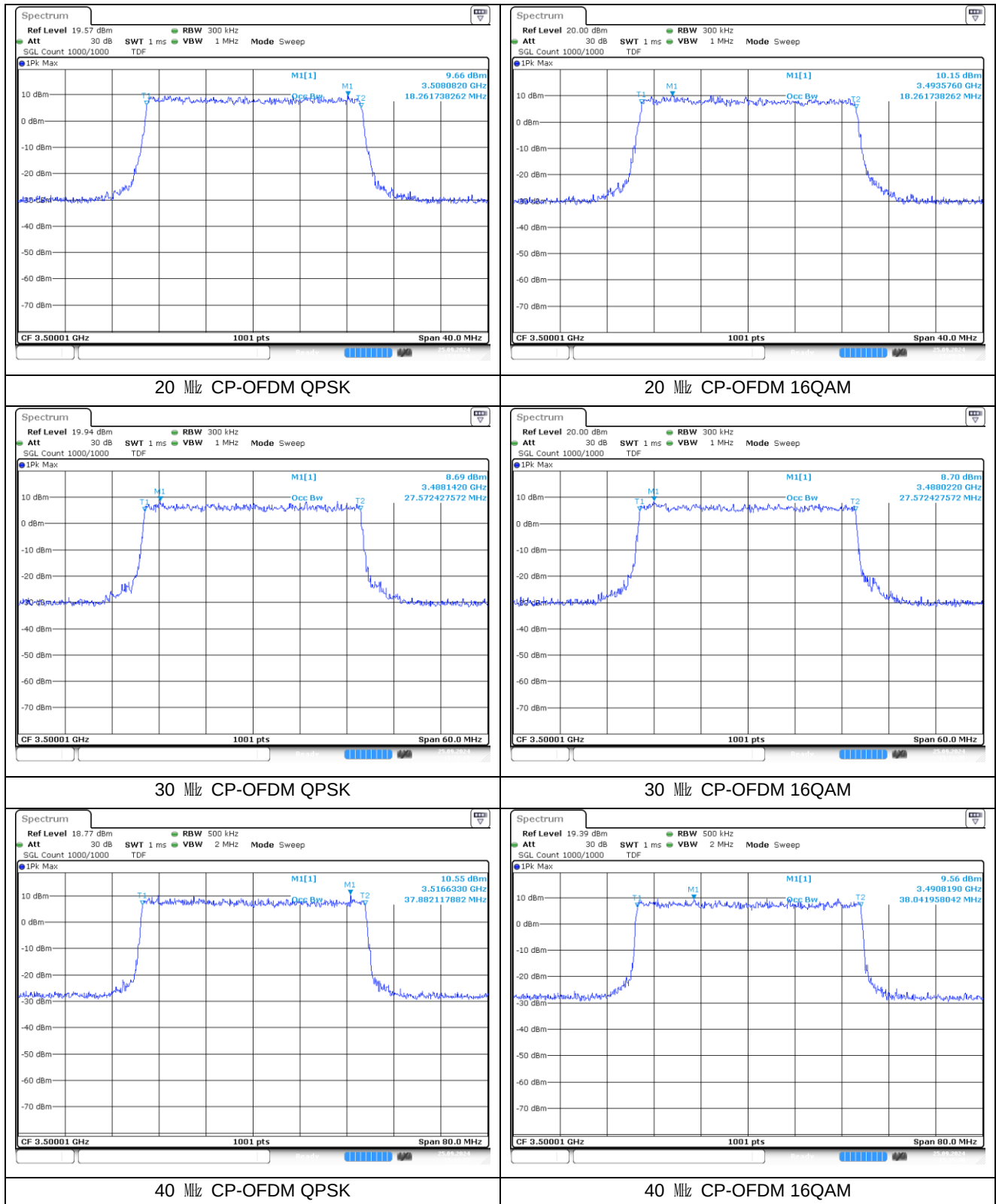


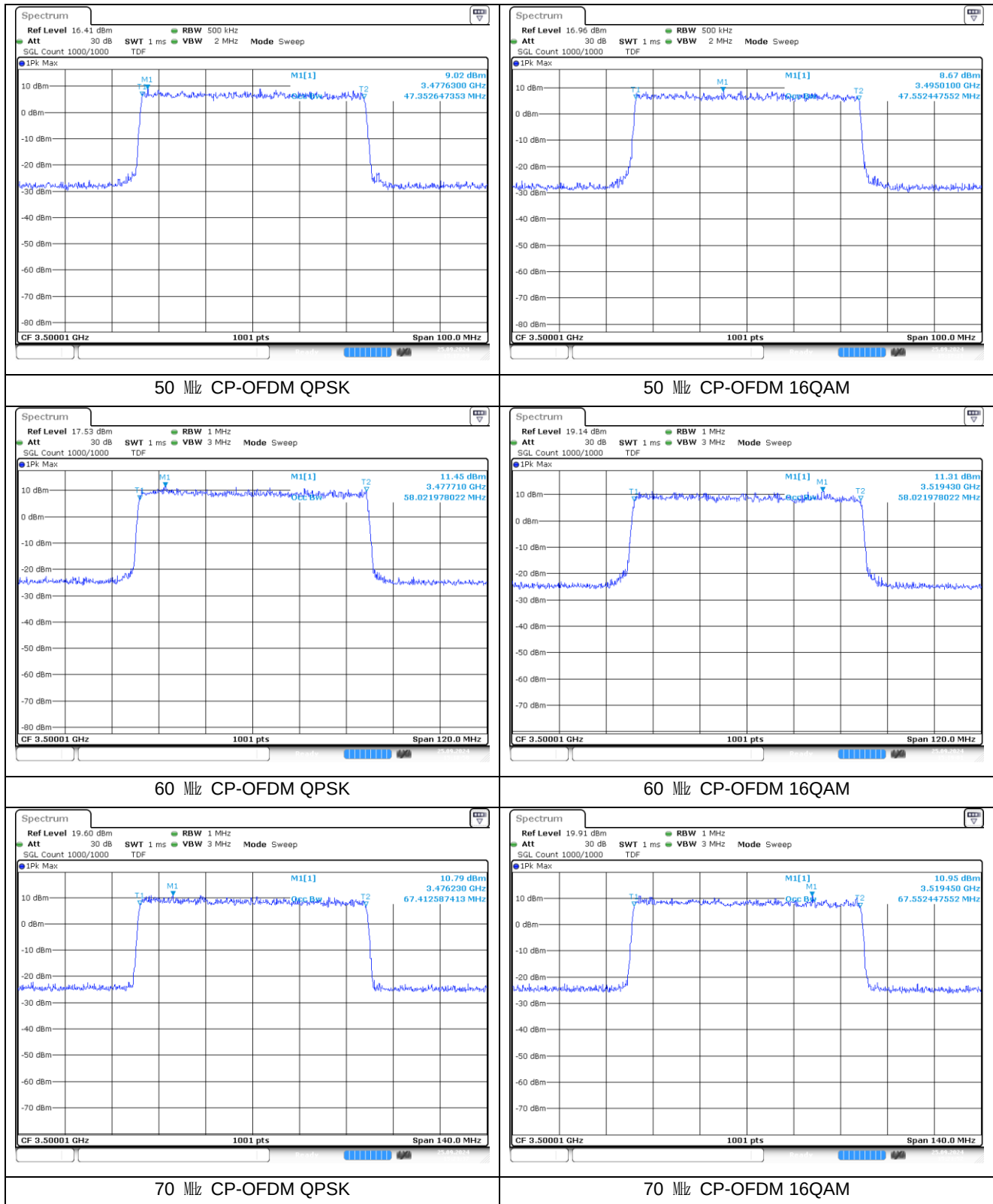
100 MHz CP-OFDM QPSK

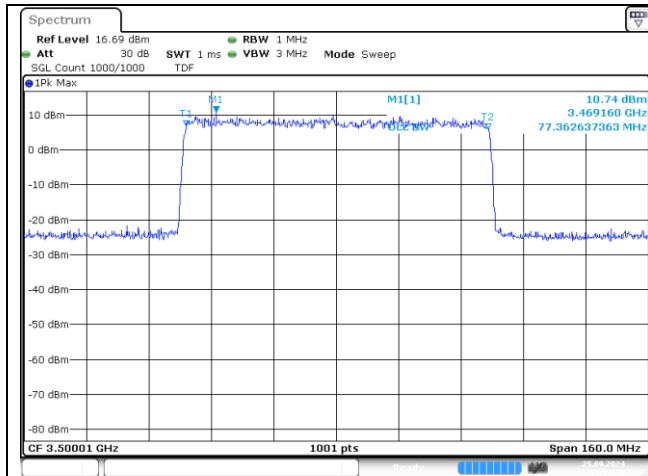


100 MHz CP-OFDM 16QAM

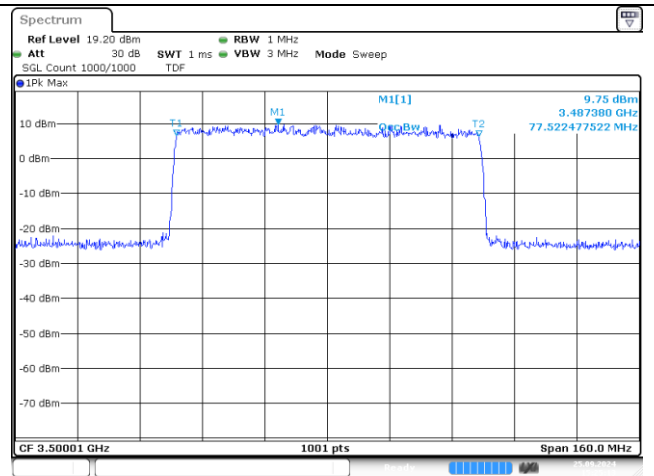
NR band 78 Low Band (FCC)_Ant. 1



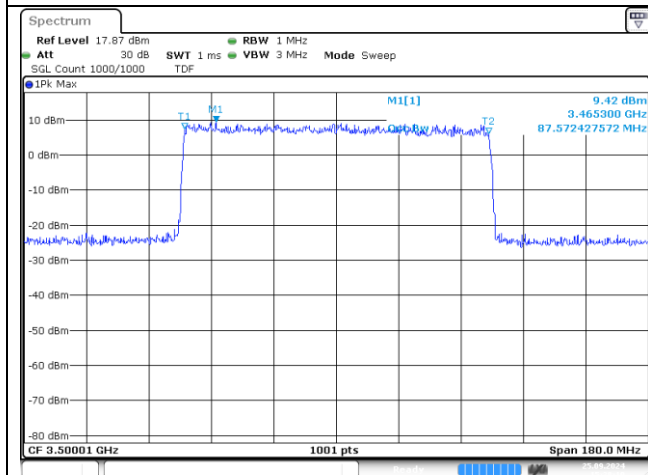




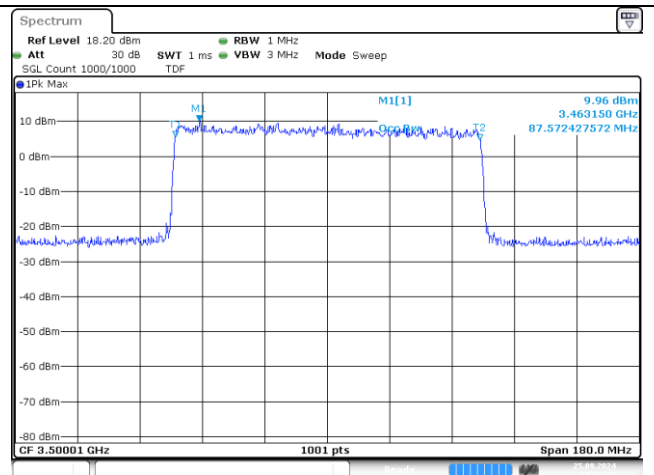
80 MHz CP-OFDM QPSK



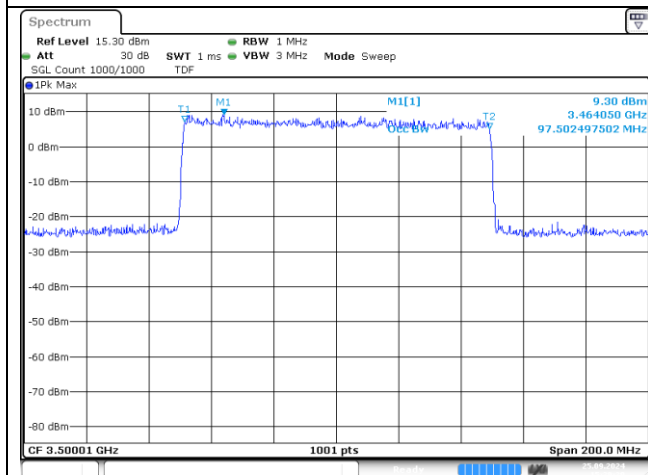
80 MHz CP-OFDM 16QAM



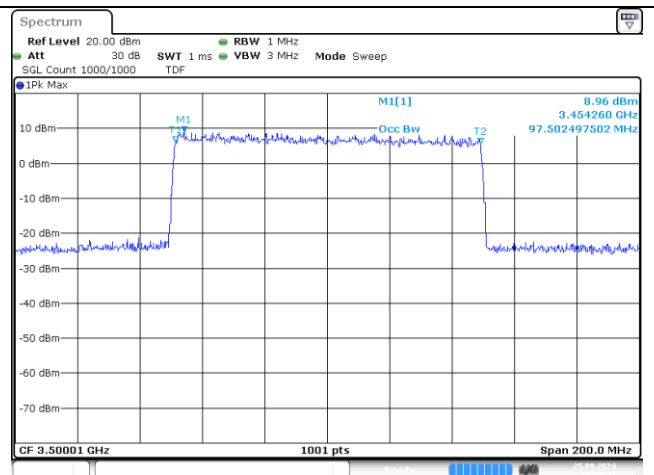
90 MHz CP-OFDM QPSK



90 MHz CP-OFDM 16QAM

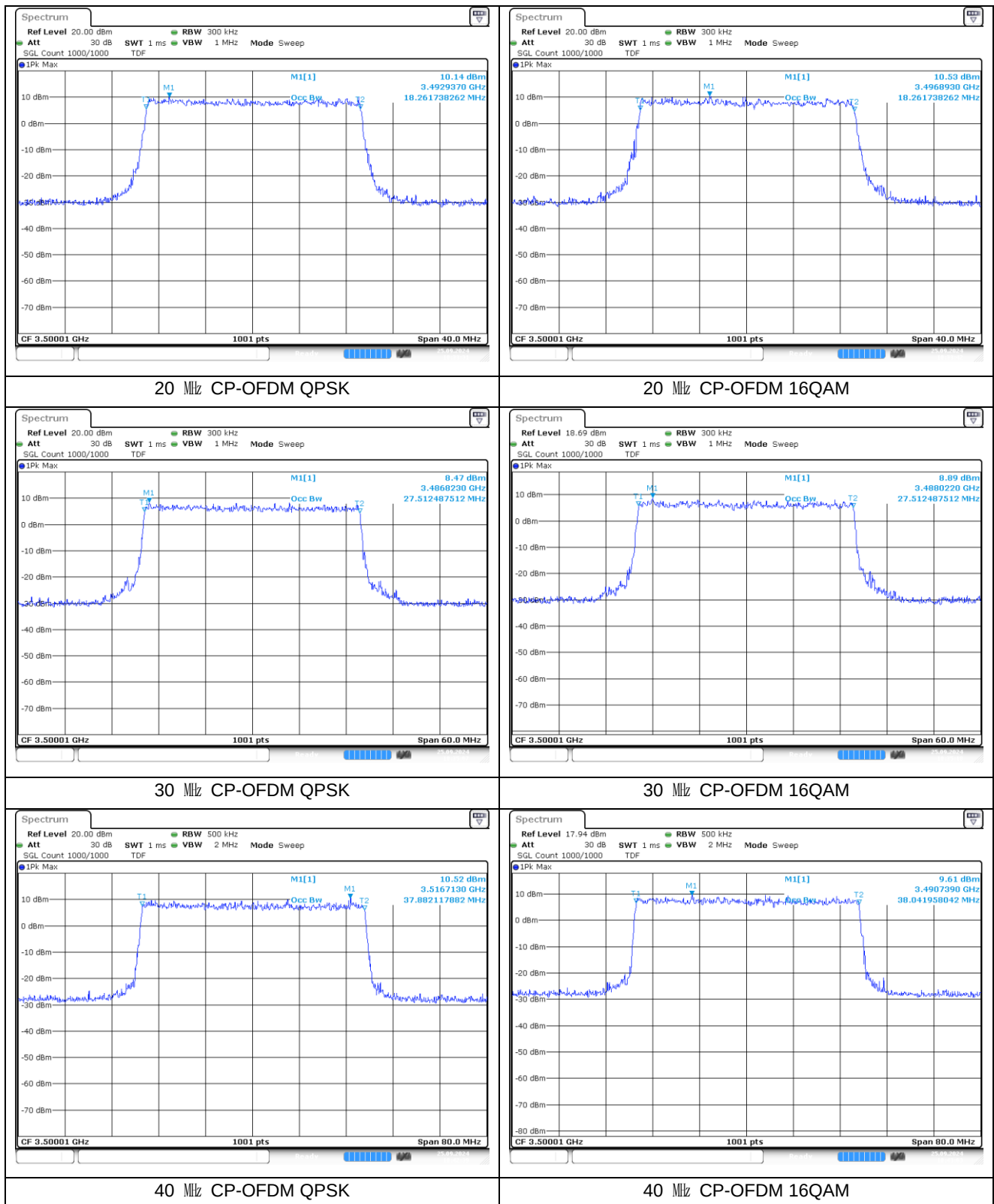


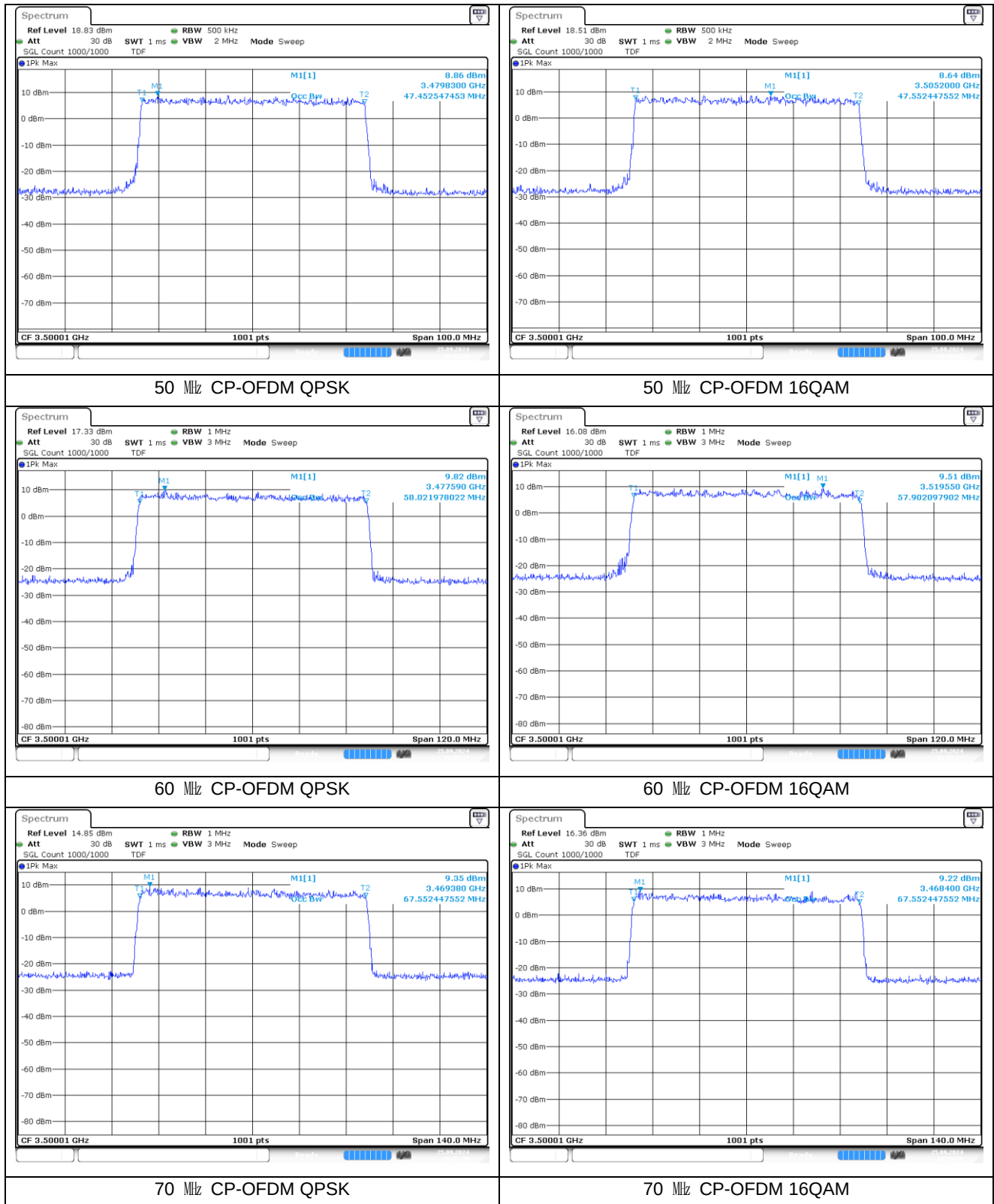
100 MHz CP-OFDM QPSK

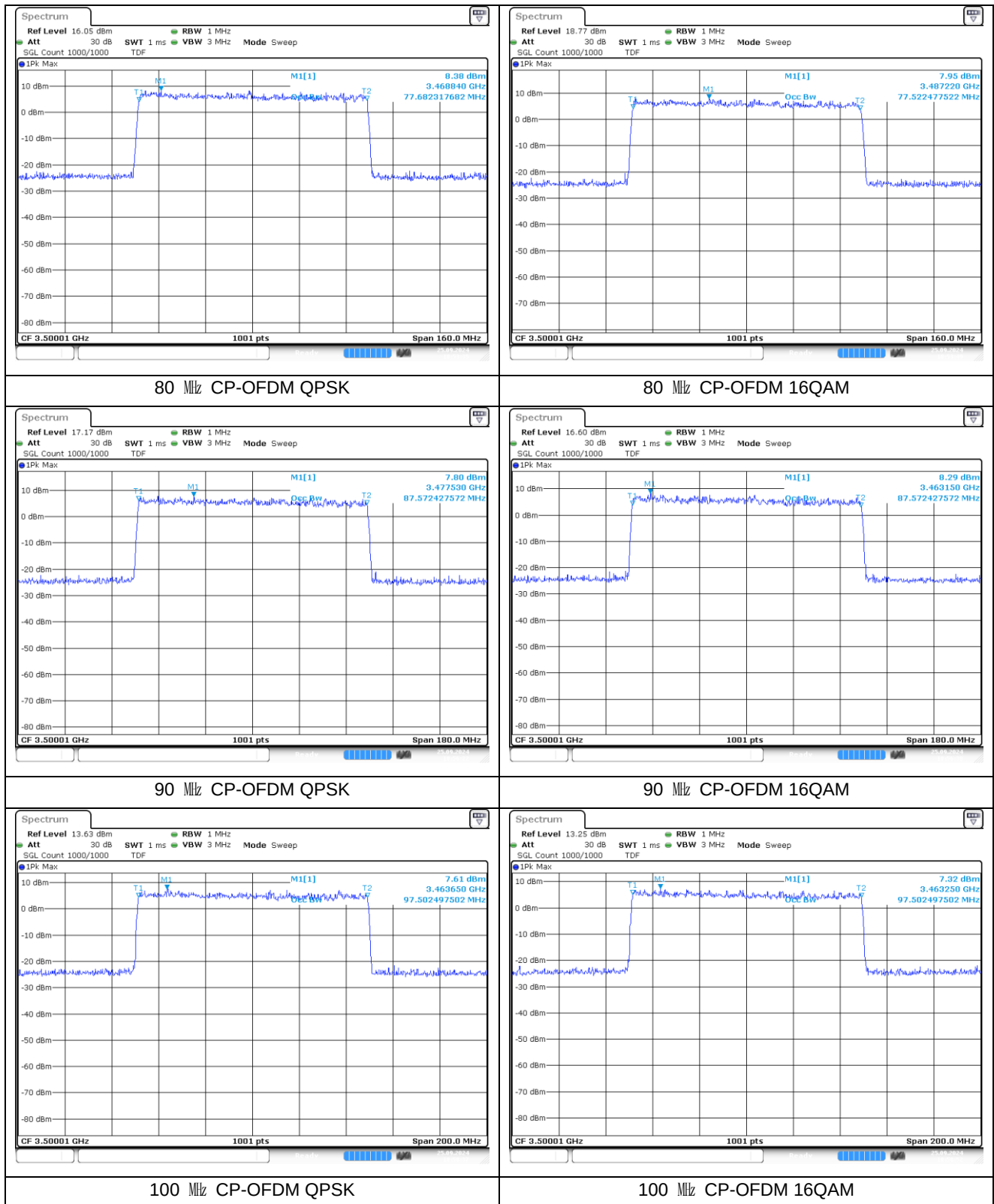


100 MHz CP-OFDM 16QAM

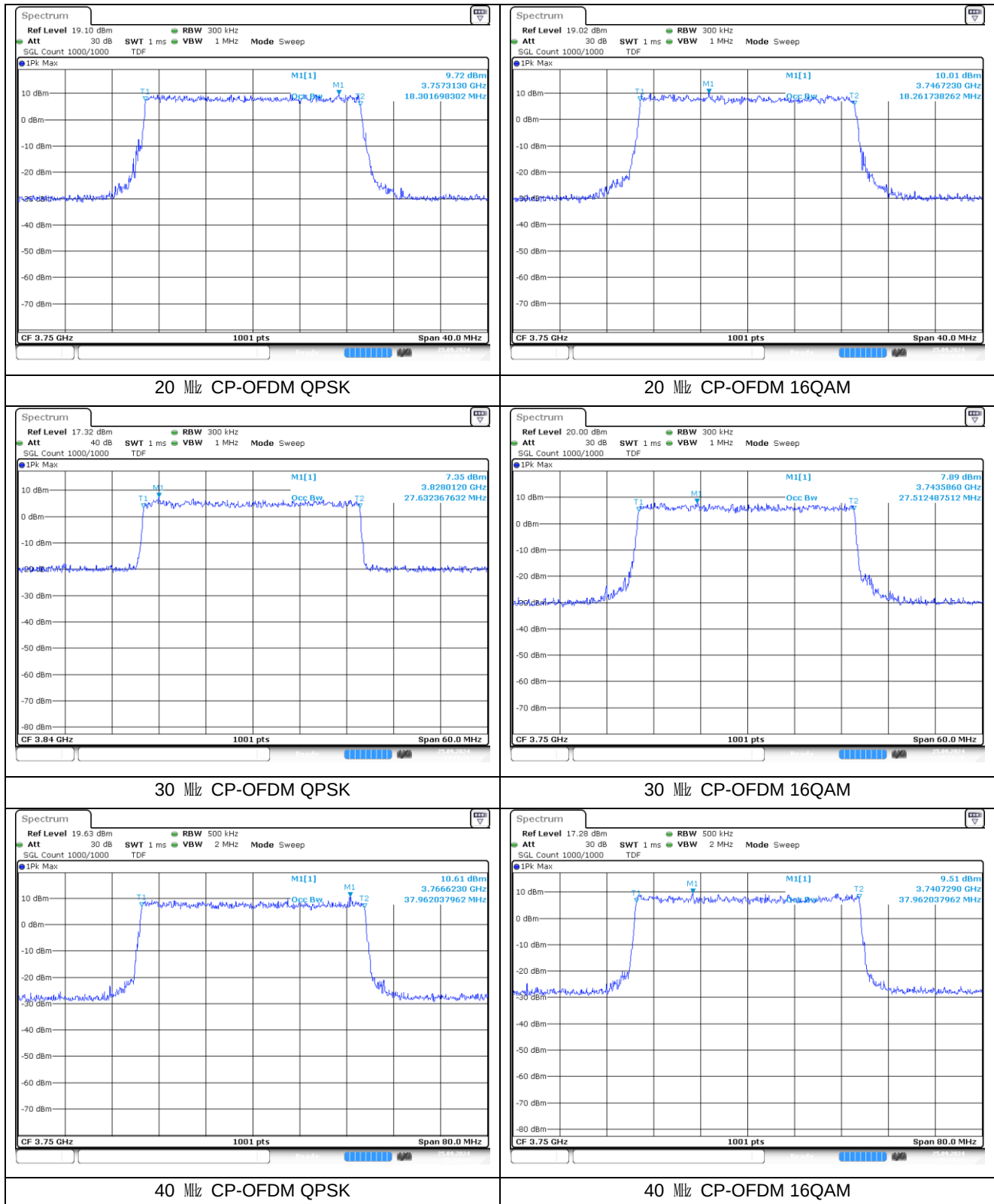
NR band 78 Low Band (FCC)_Ant. 2

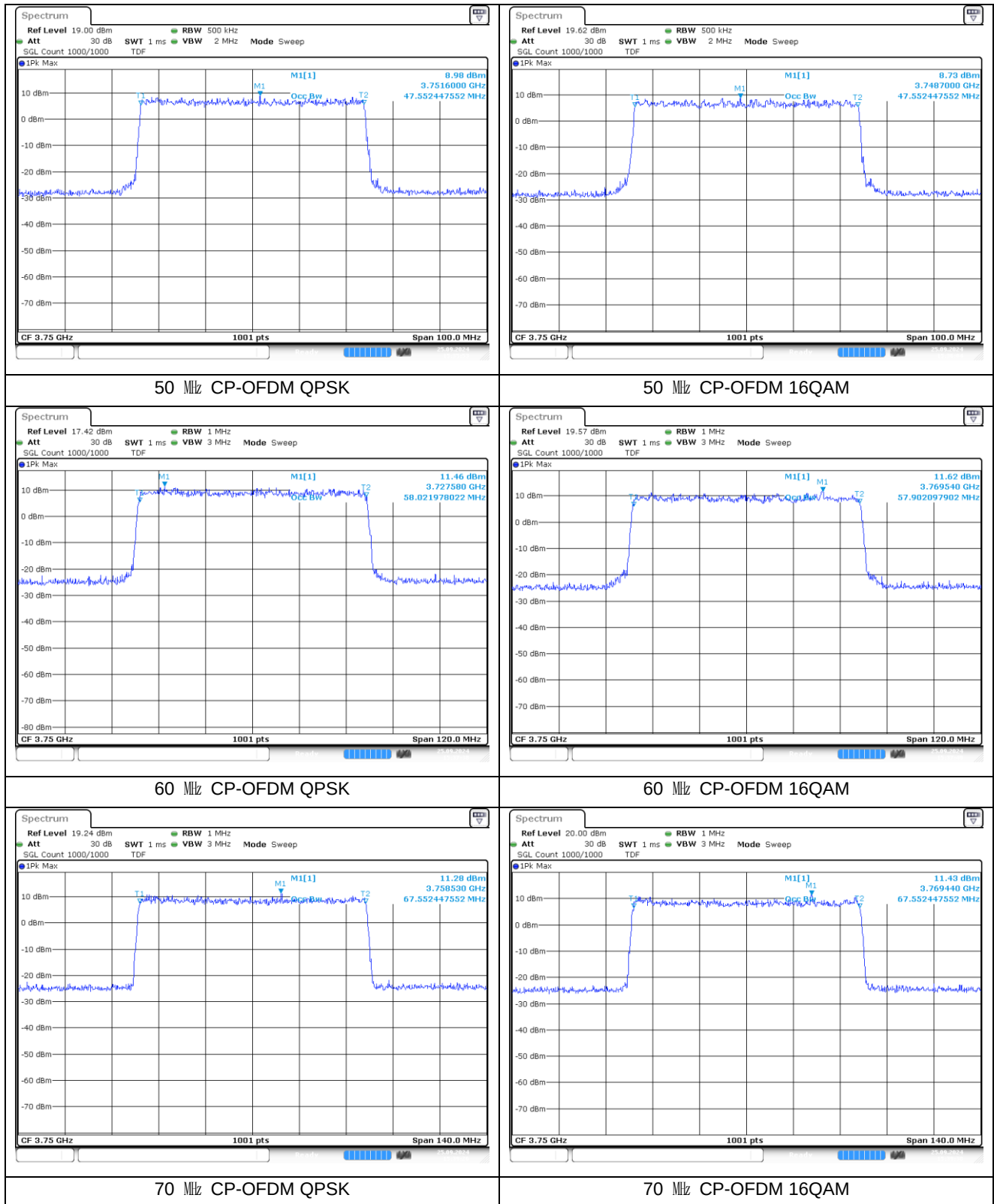


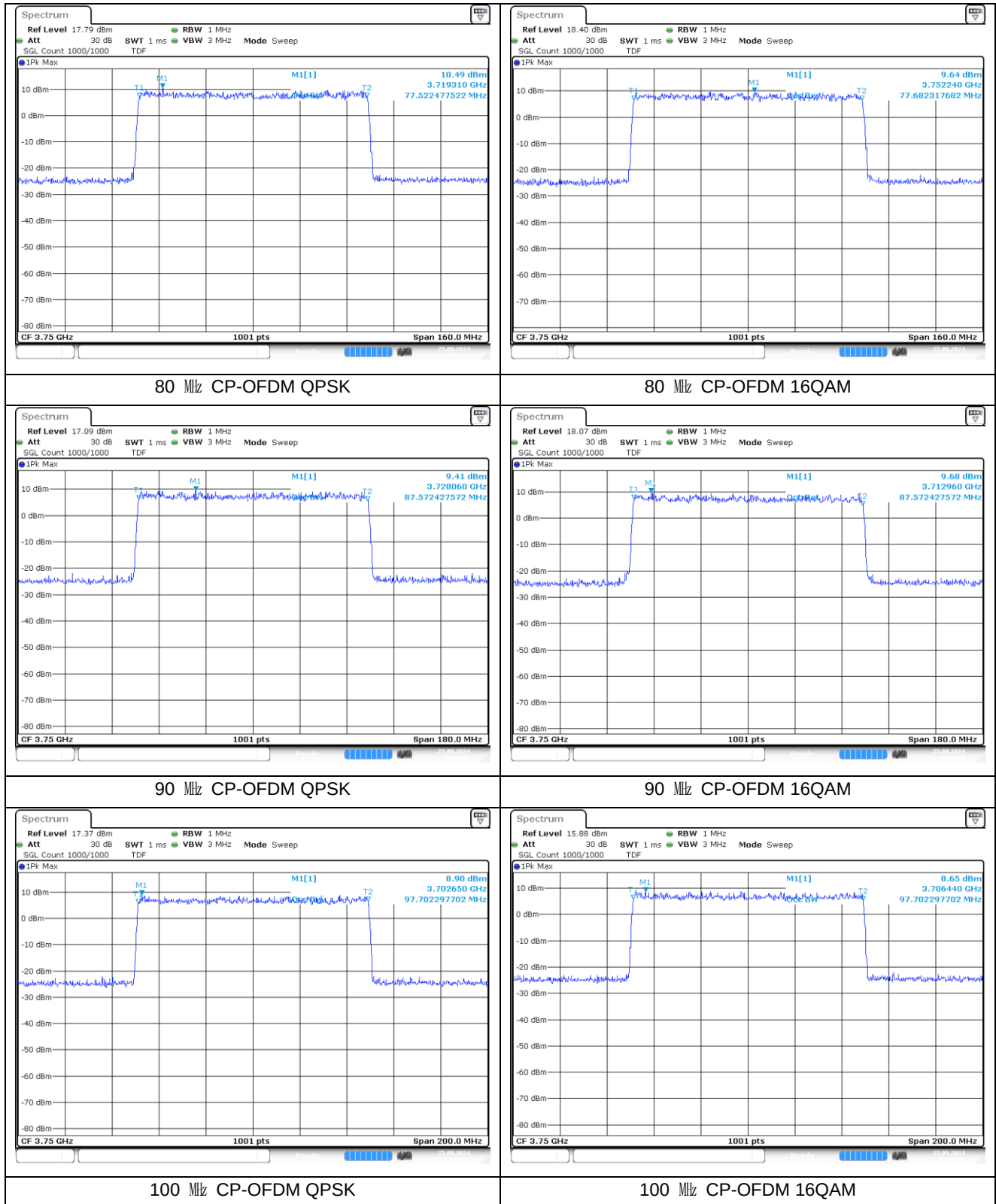




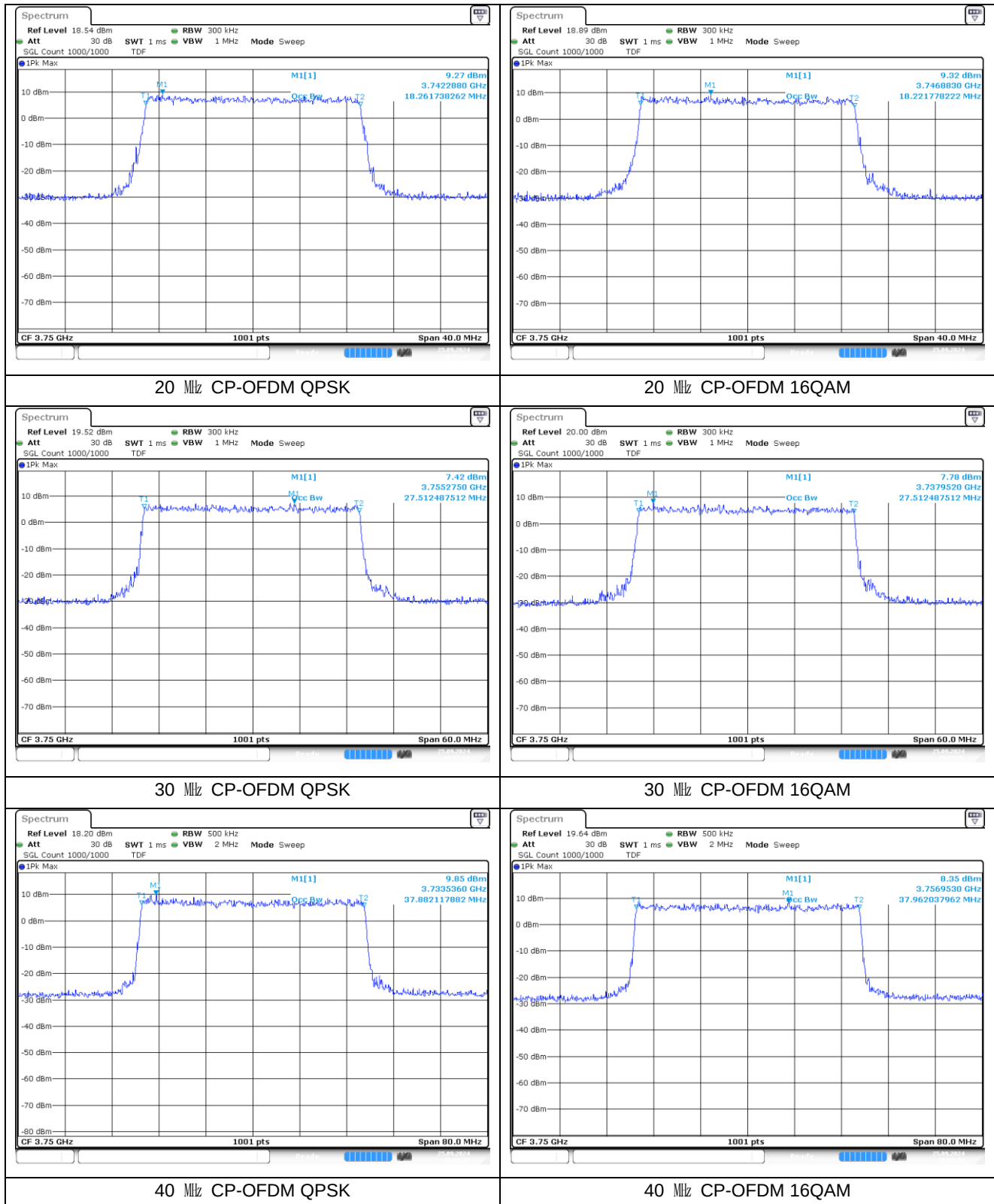
NR band 78 High Band (FCC)_Ant. 1

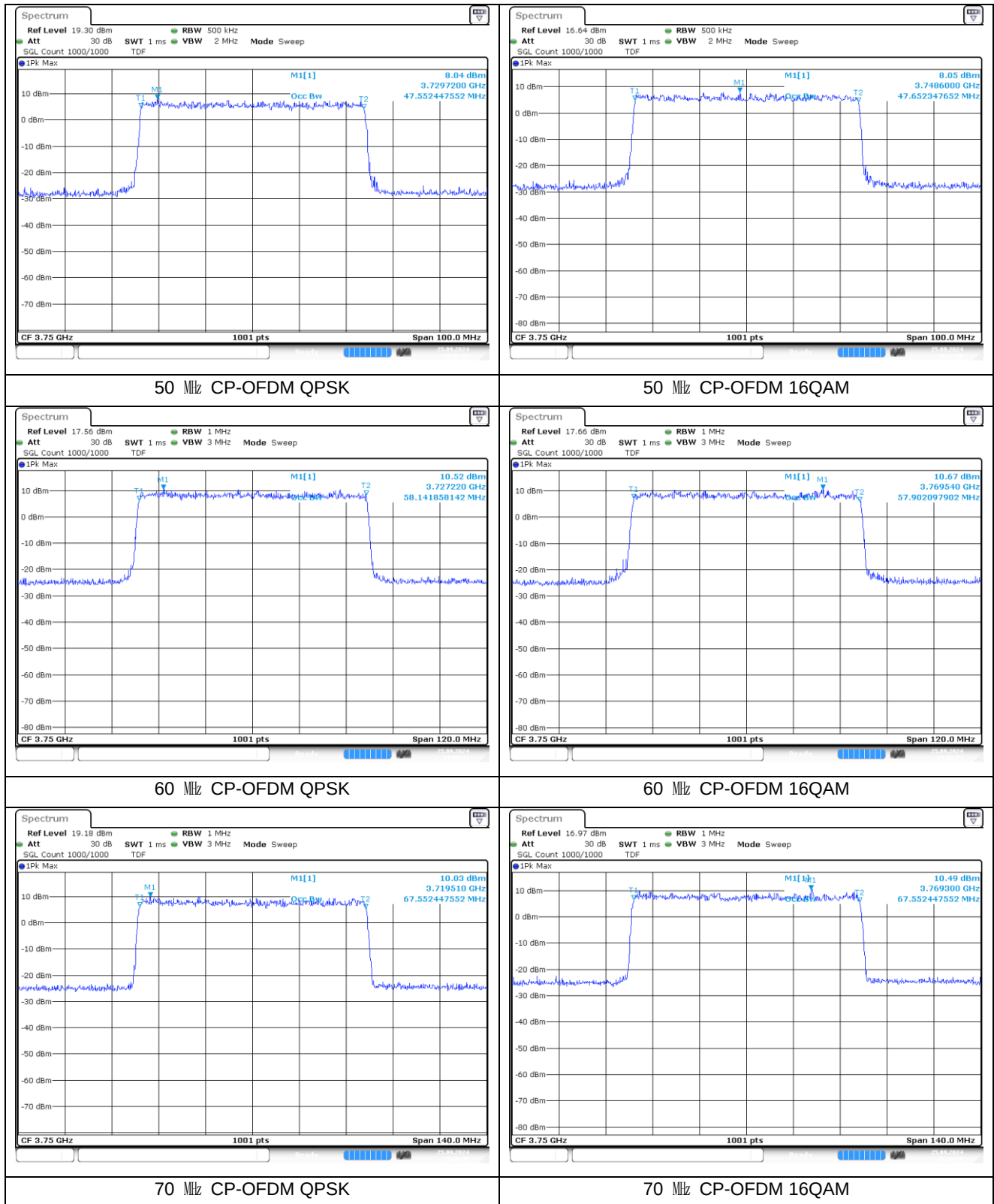


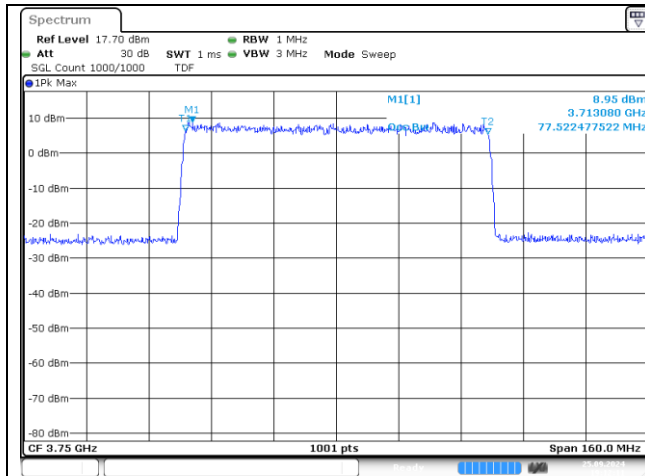




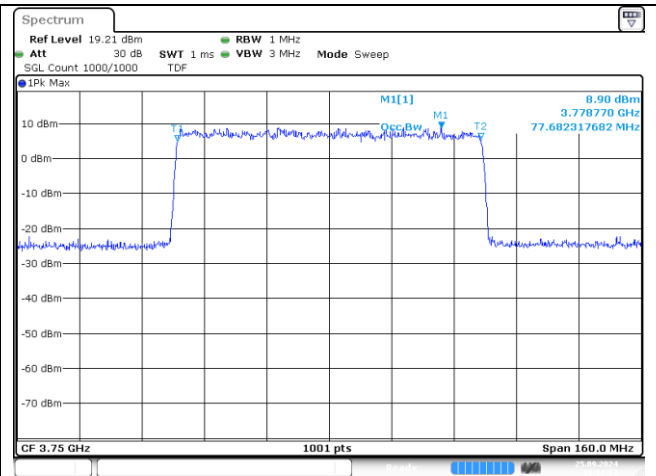
NR band 78 High Band (FCC)_Ant. 2



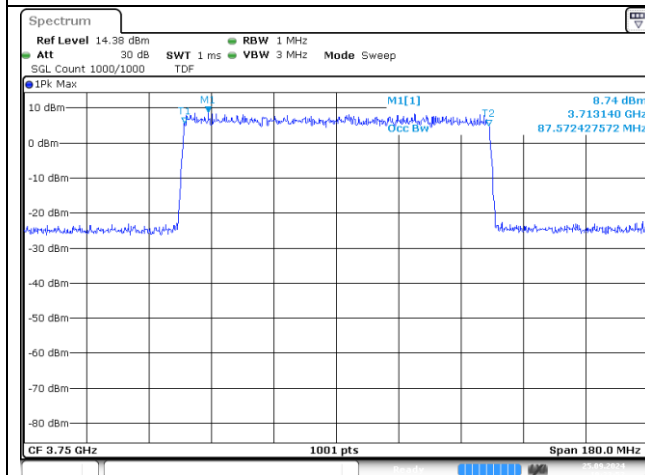




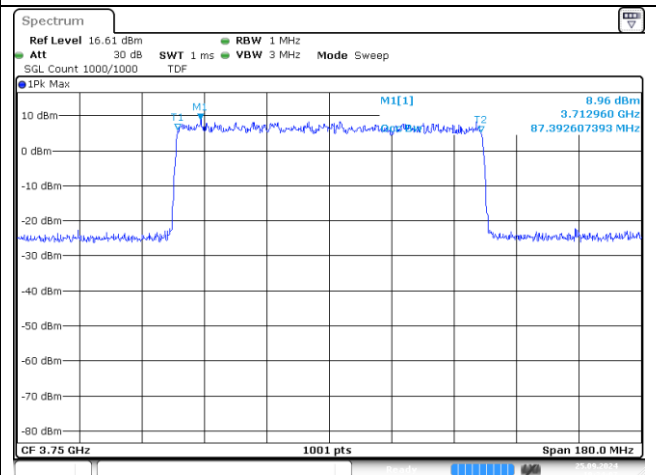
80 MHz CP-OFDM QPSK



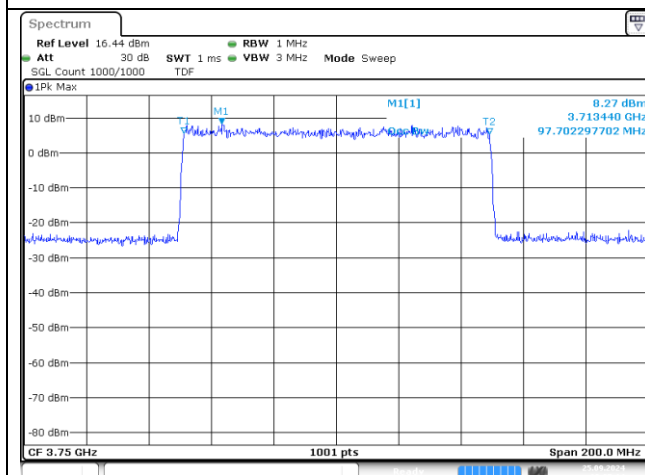
80 MHz CP-OFDM 16QAM



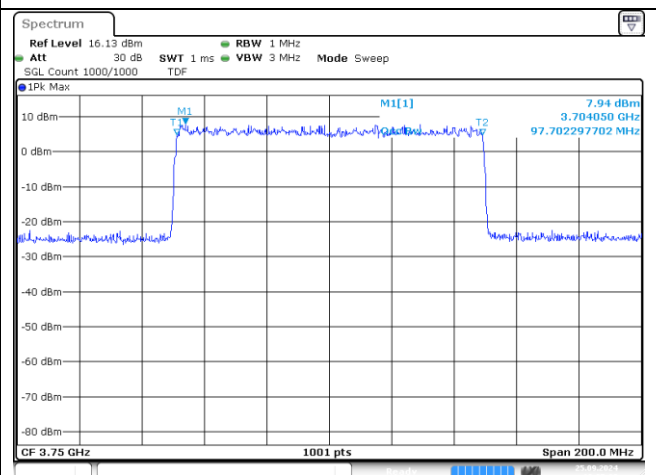
90 MHz CP-OFDM QPSK



90 MHz CP-OFDM 16QAM



100 MHz CP-OFDM QPSK



100 MHz CP-OFDM 16QAM

5. Peak-Average Ratio

5.1. Limit

FCC

- §27.50(j)(4), Equipment employed must be authorized in accordance with the provisions of § 27.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (j)(5) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

- §27.50(k)(4), Equipment employed must be authorized in accordance with the provisions of § 27.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (k)(5) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

- §96.41(g), The peak-to-average power ratio (PAPR) of any CBSD transmitter output power must not exceed 13 dB. PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities or another Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

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- RSS-192 Issue 5

5.5, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission

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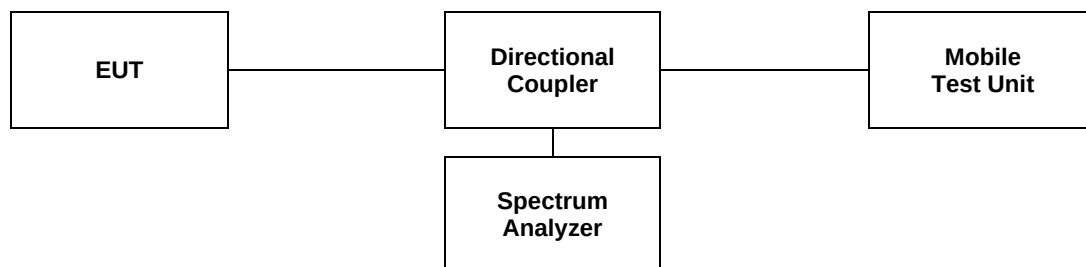
5.5, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

5.2. Test Procedure

The test follows section 5.2.3.4 of ANSI C63.26-2015.

See instrumentation-specific application literature for further guidance regarding use of the CCDF capability. The following guidelines are offered for performing a CCDF measurement.

- a. Set resolution/measurement bandwidth $\geq$ OBW or specified reference bandwidth.
- b. Set the number of counts to a value that stabilizes the measured CCDF curve.
- c. Set the measurement interval as follows:
 - 1) For continuous transmissions, set to greater of $[10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ or 1 ms.
 - 2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
 - 3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.
- d. Record the maximum PAPR level associated with a probability of 0.1 %.
- e. The peak power level is calculated from the sum of the PAPR value from step d) to the measured average power.



5.3 Test Results

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

Ant. 1

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n48	20	30	3 560.01	6.72	6.76	7.26	8.88
			3 624.99	6.74	6.74	7.34	8.90
			3 690.00	6.72	6.72	7.34	8.88
	30		3 565.02	6.78	6.84	7.26	8.46
			3 624.99	6.80	6.96	7.34	8.64
			3 684.99	6.78	6.90	7.38	8.88
	40		3 570.00	6.70	6.86	7.24	8.82
			3 624.99	6.78	6.90	7.30	8.70
			3 679.98	6.82	6.96	7.34	8.68

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 Low Band IC	20	30	3 460.02	3.98	4.68	5.58	6.00	6.52
			3 675.00	4.16	4.66	5.62	6.12	6.74
			3 889.98	4.14	4.68	5.64	6.04	6.76
	30		3 465.00	4.08	4.66	5.54	6.16	6.64
			3 675.00	4.12	4.68	5.60	6.22	6.66
			3 885.00	4.06	4.72	5.66	6.20	6.92
	40		3 470.01	4.08	4.66	5.66	6.14	6.74
			3 675.00	4.30	4.68	5.66	6.14	6.76
			3 879.99	4.12	4.66	5.64	6.12	6.80
	50		3 475.02	4.20	4.82	5.72	6.20	6.62
			3 675.00	4.30	4.82	5.82	6.34	6.92
			3 874.98	4.20	4.82	5.76	6.30	6.90
	60		3 480.00	4.14	4.86	5.86	6.26	6.72
			3 675.00	4.12	4.84	5.86	6.38	6.78
			3 870.00	4.14	4.78	5.82	6.30	6.80
	70		3 485.01	4.28	4.88	5.92	6.22	6.74
			3 675.00	4.38	4.86	5.94	6.32	6.76
			3 864.99	4.20	4.82	5.90	6.24	6.84
	80		3 490.02	4.48	5.00	5.90	6.38	6.78
			3 675.00	4.42	5.02	5.92	6.56	6.66
			3 859.98	4.40	4.96	5.90	6.44	6.84
	90		3 495.00	4.22	4.82	5.72	6.10	6.66
			3 675.00	4.36	4.84	5.80	6.22	6.82
			3 855.00	4.08	4.80	5.76	6.20	6.84
	100		3 500.01	4.90	5.10	6.08	6.56	6.62
			3 675.00	4.54	5.18	6.12	6.62	6.84
			3 849.99	4.76	5.16	6.10	6.58	6.88

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 Low Band IC	20	30	3 460.02	7.00	7.04	7.36	8.92
			3 675.00	6.86	6.88	7.40	8.86
			3 889.98	6.94	6.90	7.36	8.80
	30		3 465.00	7.04	7.22	7.56	9.12
			3 675.00	7.00	7.02	7.60	8.94
			3 885.00	6.94	6.96	7.38	8.84
	40		3 470.01	7.08	7.18	7.68	8.96
			3 675.00	6.92	7.12	7.48	8.74
			3 879.99	6.84	7.06	7.42	8.72
	50		3 475.02	6.88	7.04	7.50	9.14
			3 675.00	6.86	6.98	7.58	9.02
			3 874.98	6.80	6.88	7.36	8.82
	60		3 480.00	7.04	7.06	7.40	8.92
			3 675.00	7.10	7.12	7.62	9.10
			3 870.00	6.94	7.02	7.44	8.80
	70		3 485.01	7.32	7.06	7.58	9.14
			3 675.00	6.96	7.14	7.46	9.18
			3 864.99	7.02	7.16	7.56	8.80
	80		3 490.02	6.94	7.08	7.60	8.90
			3 675.00	7.06	6.90	7.60	9.04
			3 859.98	6.72	6.92	7.52	8.76
	90		3 495.00	7.06	6.86	7.46	9.06
			3 675.00	6.84	7.06	7.42	8.98
			3 855.00	7.04	6.90	7.36	8.88
	100		3 500.01	7.00	6.96	7.54	9.12
			3 675.00	6.90	7.16	7.60	9.02
			3 849.99	6.96	7.00	7.50	8.78

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 High Band IC	20	30	3 910.02	4.08	4.64	5.62	6.04	6.64
			3 939.99	4.06	4.64	5.62	6.02	6.60
			3 969.99	4.14	4.64	5.62	6.06	6.78
	30		3 915.00	4.08	4.72	5.60	6.20	6.86
			3 939.99	3.98	4.66	5.58	6.20	6.78
			3 964.98	4.08	4.72	5.60	6.18	6.76
	40		3 920.01	4.00	4.68	5.64	6.12	6.96
			3 939.99	4.02	4.66	5.64	6.12	6.84
			3 960.00	4.24	4.70	5.66	6.12	6.80
	50		3 925.02	4.34	4.88	5.80	6.22	6.90
			3 939.99	4.16	4.84	5.80	6.24	7.02
			3 954.99	4.28	4.86	5.82	6.28	6.90
	60		3 930.00	4.00	4.84	5.80	6.36	6.84
			3 939.99	4.06	4.82	5.88	6.28	6.84
			3 949.98	4.12	4.80	5.82	6.36	6.88
	70		3 935.01	4.20	4.78	5.92	6.24	6.78
			3 939.99	4.36	4.84	5.94	6.26	6.78
			3 945.00	4.36	4.84	5.96	6.30	6.92
	80		3 939.99	4.42	5.00	5.92	6.46	6.90

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 High Band IC	20	30	3 910.02	6.86	6.88	7.28	8.74
			3 939.99	6.84	6.90	7.34	8.74
			3 969.99	6.86	6.90	7.34	8.72
	30		3 915.00	6.90	7.10	7.44	8.68
			3 939.99	6.90	6.88	7.50	8.62
			3 964.98	6.86	7.08	7.56	8.62
	40		3 920.01	6.86	6.92	7.40	8.78
			3 939.99	6.84	6.96	7.48	8.84
			3 960.00	6.86	7.04	7.48	8.74
	50		3 925.02	6.82	6.84	7.42	8.80
			3 939.99	6.64	6.86	7.38	8.58
			3 954.99	6.98	6.90	7.56	8.86
	60		3 930.00	6.92	7.00	7.32	8.78
			3 939.99	6.82	6.90	7.44	8.80
			3 949.98	6.90	6.96	7.32	8.72
	70		3 935.01	6.96	7.10	7.42	8.70
			3 939.99	6.94	7.14	7.26	8.76
			3 945.00	7.02	7.10	7.50	8.72
	80		3 939.99	6.94	6.94	7.48	8.94

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 IC	20	30	3 460.02	6.76	6.72	7.28	8.62
			3 624.99	6.72	6.72	7.28	8.72
			3 789.99	6.74	6.74	7.30	8.82
	30		3 465.00	6.80	6.90	7.36	8.76
			3 624.99	6.80	6.88	7.36	8.76
			3 784.98	6.80	6.86	7.30	8.64
	40		3 470.01	6.82	6.92	7.32	8.68
			3 624.99	6.82	6.90	7.36	8.64
			3 780.00	6.78	6.96	7.34	8.56
	50		3 475.02	6.92	6.84	7.46	8.96
			3 624.99	6.88	6.84	7.42	8.90
			3 774.99	6.76	6.86	7.40	8.94
	60		3 480.00	6.94	6.96	7.50	8.54
			3 624.99	6.92	6.92	7.38	8.64
			3 769.98	6.96	6.98	7.44	8.52
	70		3 485.01	6.98	7.02	7.54	8.68
			3 624.99	6.90	6.98	7.52	8.76
			3 765.00	7.00	7.06	7.52	8.72
	80		3 490.02	7.10	7.06	7.48	8.68
			3 624.99	6.94	6.96	7.46	8.66
			3 759.99	7.04	7.08	7.44	8.64
	90		3 495.00	7.04	7.04	7.52	8.76
			3 624.99	6.74	6.98	7.20	8.66
			3 754.98	6.98	6.98	7.44	8.72
	100		3 500.01	7.12	7.10	7.70	8.72
			3 624.99	7.16	7.14	7.70	8.76
			3 750.00	7.10	7.10	7.64	8.72

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 Low Band FCC	20	30	3 460.02	4.02	4.64	5.62	6.02	6.64
			3 500.01	4.00	4.60	5.56	5.96	6.48
			3 540.00	3.96	4.60	5.60	6.04	6.58
	30		3 465.00	4.02	4.66	5.56	6.10	6.82
			3 500.01	4.02	4.66	5.56	6.08	6.64
			3 534.99	3.98	4.60	5.50	6.14	6.74
	40		3 470.01	3.94	4.60	5.60	6.10	6.76
			3 500.01	3.96	4.62	5.60	6.06	6.86
			3 529.98	4.10	4.62	5.64	6.10	6.84
	50		3 475.02	3.98	4.62	5.58	6.08	6.76
			3 500.01	4.00	4.66	5.62	6.06	6.74
			3 525.00	4.22	4.80	5.70	6.16	6.80
	60		3 480.00	4.26	4.84	5.78	6.28	6.80
			3 500.01	4.26	4.80	5.76	6.28	6.76
			3 519.99	4.20	4.80	5.78	6.24	6.74
	70		3 485.01	4.32	4.86	5.92	6.20	6.72
			3 500.01	4.20	4.82	5.88	6.22	6.70
			3 514.98	4.24	4.78	5.90	6.18	6.64
	80		3 490.02	4.50	5.04	5.92	6.42	6.86
			3 500.01	4.46	4.98	5.86	6.52	6.76
			3 510.00	4.44	4.92	5.84	6.42	6.72
	90		3 495.00	4.20	4.80	5.72	6.22	6.62
			3 500.01	4.18	4.76	5.74	6.12	6.62
			3 504.99	4.22	4.74	5.74	6.14	6.64
	100		3 500.01	4.82	5.14	6.02	6.52	6.66

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 Low Band FCC	20	30	3 460.02	7.10	7.08	7.56	8.94
			3 500.01	6.98	7.00	7.58	9.06
			3 540.00	7.08	7.06	7.48	9.46
	30		3 465.00	7.02	7.26	7.68	9.00
			3 500.01	7.08	7.06	7.70	9.08
			3 534.99	7.18	7.32	7.72	9.16
	40		3 470.01	7.06	7.16	7.54	9.00
			3 500.01	7.04	7.20	7.60	9.10
			3 529.98	7.04	7.12	7.50	8.94
	50		3 475.02	6.90	7.02	7.56	9.16
			3 500.01	6.96	7.00	7.44	8.94
			3 525.00	6.88	6.90	7.56	8.86
	60		3 480.00	7.26	7.16	7.40	9.14
			3 500.01	7.06	6.70	7.60	9.12
			3 519.99	6.76	7.22	7.46	9.18
	70		3 485.01	7.04	7.28	7.42	8.80
			3 500.01	6.94	7.14	7.64	9.00
			3 514.98	7.16	7.38	7.82	8.98
	80		3 490.02	7.00	6.92	7.44	9.12
			3 500.01	6.92	7.06	7.56	8.92
			3 510.00	6.84	6.86	7.68	9.10
	90		3 495.00	6.86	7.14	6.98	9.10
			3 500.01	6.94	7.02	7.34	9.26
			3 504.99	7.02	6.98	7.38	9.16
	100		3 500.01	6.92	7.04	7.62	9.12

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 High Band FCC	20	30	3 710.01	4.06	4.66	5.64	6.04	6.64
			3 840.00	4.10	4.64	5.68	6.08	6.54
			3 969.99	4.06	4.70	5.64	6.08	6.54
	30		3 715.02	4.08	4.70	5.58	6.16	6.82
			3 840.00	4.20	4.68	5.64	6.16	7.18
			3 964.98	4.14	4.64	5.62	6.20	6.82
	40		3 720.00	4.08	4.70	5.68	6.12	6.84
			3 840.00	4.08	4.68	5.68	6.14	6.80
			3 960.00	4.12	4.66	5.66	6.18	6.80
	50		3 725.01	4.36	4.82	5.78	6.28	6.86
			3 840.00	4.24	4.86	5.80	6.28	6.90
			3 954.99	4.42	4.86	5.80	6.26	6.90
	60		3 730.02	4.10	4.82	5.84	6.34	6.84
			3 840.00	4.16	4.84	5.88	6.34	6.94
			3 949.98	4.28	4.84	5.86	6.32	6.86
	70		3 735.00	4.48	4.84	5.92	6.32	6.78
			3 840.00	4.28	4.86	5.94	6.26	6.90
			3 945.00	4.28	4.86	5.92	6.24	6.92
	80		3 740.01	4.46	5.08	5.94	6.52	6.90
			3 840.00	4.42	4.98	5.94	6.44	6.82
			3 939.99	4.46	4.98	5.94	6.40	6.86
	90		3 745.02	4.40	4.86	5.88	6.30	6.84
			3 840.00	4.16	4.88	5.80	6.30	6.82
			3 934.98	4.08	4.80	5.76	6.24	6.86
	100		3 750.00	4.58	5.24	6.16	6.58	6.88
			3 840.00	4.76	5.22	6.12	6.60	6.82
			3 930.00	4.66	5.10	6.02	6.60	6.80

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 High Band FCC	20	30	3 710.01	6.92	6.84	7.34	8.76
			3 840.00	6.88	6.88	7.30	8.64
			3 969.99	6.90	6.90	7.38	8.66
	30		3 715.02	6.80	7.12	7.34	8.96
			3 840.00	6.90	6.98	7.50	8.82
			3 964.98	6.92	6.98	7.30	8.68
	40		3 720.00	6.74	7.00	7.52	8.76
			3 840.00	6.84	7.02	7.46	8.72
			3 960.00	6.86	7.02	7.40	8.82
	50		3 725.01	6.92	6.98	7.56	8.94
			3 840.00	6.92	6.92	7.42	8.80
			3 954.99	6.98	6.90	7.54	8.92
	60		3 730.02	7.04	6.94	7.08	8.86
			3 840.00	7.00	6.98	7.48	8.76
			3 949.98	7.00	6.98	7.28	8.70
	70		3 735.00	7.04	7.32	7.36	8.94
			3 840.00	7.02	7.20	7.64	8.76
			3 945.00	6.86	7.14	7.58	8.82
	80		3 740.01	6.92	6.82	7.40	8.94
			3 840.00	6.96	7.00	7.48	8.86
			3 939.99	6.84	6.96	7.42	8.74
	90		3 745.02	6.80	6.92	7.32	8.90
			3 840.00	6.98	6.98	7.40	8.96
			3 934.98	6.86	6.86	7.30	8.80
	100		3 750.00	7.06	6.92	7.54	8.92
			3 840.00	7.00	7.04	7.48	8.80
			3 930.00	7.02	6.96	7.54	8.84

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 Low Band FCC	20	30	3 460.02	6.74	6.76	7.34	8.70
			3 500.01	6.76	6.80	7.36	8.66
			3 540.00	6.70	6.80	7.28	8.62
	30		3 465.00	6.78	6.92	7.36	8.72
			3 500.01	6.82	6.94	7.40	8.68
			3 534.99	6.76	6.88	7.36	8.70
	40		3 470.01	6.76	6.92	7.34	8.52
			3 500.01	5.18	6.92	7.36	8.64
			3 529.98	6.84	6.94	7.40	8.58
	50		3 475.02	6.82	6.94	7.32	8.60
			3 500.01	6.86	6.98	7.34	8.74
			3 525.00	6.84	6.96	7.38	8.78
	60		3 480.00	6.96	6.96	7.46	8.56
			3 500.01	4.78	6.28	6.24	6.76
			3 519.99	7.04	7.02	7.54	8.60
	70		3 485.01	6.98	7.04	7.52	8.78
			3 500.01	7.08	7.04	7.58	8.62
			3 514.98	7.06	7.04	7.54	8.66
	80		3 490.02	7.10	7.08	7.50	8.62
			3 500.01	7.12	7.12	7.50	8.66
			3 510.00	7.18	7.20	7.52	8.52
	90		3 495.00	7.04	7.02	7.52	8.62
			3 500.01	7.08	7.06	7.52	8.70
			3 504.99	7.08	7.02	7.46	8.74
	100		3 500.01	7.16	7.16	7.70	8.72

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 High Band FCC	20	30	3 710.01	6.74	6.74	7.28	8.82
			3 750.00	6.78	6.78	7.30	8.70
			3 789.99	6.88	6.72	7.34	8.72
	30		3 715.02	6.80	6.90	7.34	8.68
			3 750.00	6.76	6.92	7.28	8.76
			3 784.98	6.76	6.88	7.34	8.62
	40		3 720.00	6.80	6.96	7.38	8.68
			3 750.00	6.84	6.96	7.36	8.64
			3 780.00	6.80	6.96	7.32	8.68
	50		3 725.01	6.94	6.90	7.38	8.90
			3 750.00	6.78	6.86	7.40	8.90
			3 774.99	6.82	6.86	7.42	8.90
	60		3 730.02	6.98	7.02	7.50	8.74
			3 750.00	6.96	6.96	7.44	8.78
			3 769.98	6.98	6.98	7.48	8.62
	70		3 735.00	7.00	7.02	7.50	8.68
			3 750.00	7.00	7.04	7.52	8.68
			3 765.00	6.98	7.10	7.52	8.78
	80		3 740.01	7.08	7.12	7.46	8.68
			3 750.00	7.12	7.12	7.44	8.66
			3 759.99	7.10	7.12	7.50	8.64
	90		3 745.02	6.96	7.00	7.44	8.78
			3 750.00	6.94	6.98	7.46	8.74
			3 754.98	6.94	7.00	7.40	8.68
	100		3 750.00	7.14	7.08	7.64	8.74

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Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n48	20	30	3 560.01	6.70	6.74	7.34	8.84
			3 624.99	6.74	6.76	7.30	8.56
			2 690.00	6.72	6.78	7.30	8.98
	30		3 565.02	6.78	6.90	7.24	8.64
			3 624.99	6.76	6.90	7.42	8.84
			3 684.99	6.80	6.92	7.42	8.74
	40		3 570.00	6.78	6.90	7.26	8.80
			3 624.99	6.84	7.00	7.42	8.46
			3 679.98	6.82	6.96	7.38	8.72

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 Low Band IC	20	30	3 460.02	4.02	4.64	5.62	6.00	6.54
			3 675.00	4.14	4.66	5.64	6.06	6.68
			3 889.98	4.08	4.66	5.64	6.06	6.88
	30		3 465.00	4.02	4.66	5.56	6.16	6.60
			3 675.00	4.14	4.68	5.62	6.20	6.64
			3 885.00	4.08	4.72	5.64	6.24	6.88
	40		3 470.01	4.32	4.68	5.62	6.14	6.76
			3 675.00	4.22	4.70	5.66	6.10	6.84
			3 879.99	4.16	4.66	5.64	6.16	6.86
	50		3 475.02	4.22	4.82	5.72	6.24	6.78
			3 675.00	4.30	4.84	5.78	6.26	6.90
			3 874.98	4.36	4.84	5.74	6.28	6.88
	60		3 480.00	4.26	4.80	5.82	6.30	6.76
			3 675.00	4.12	4.84	5.86	6.36	6.86
			3 870.00	4.14	4.78	5.82	6.32	6.78
	70		3 485.01	4.36	4.82	5.92	6.20	6.64
			3 675.00	4.34	4.86	5.98	6.30	6.86
			3 864.99	4.24	4.84	5.92	6.26	6.82
	80		3 490.02	4.48	5.00	5.90	6.40	6.80
			3 675.00	4.42	5.00	5.90	6.50	6.82
			3 859.98	4.38	4.98	5.90	6.44	6.88
	90		3 495.00	4.22	4.80	5.70	6.20	6.64
			3 675.00	4.36	4.84	5.78	6.26	6.78
			3 855.00	4.10	4.80	5.78	6.22	6.82
	100		3 500.01	4.76	5.14	6.10	6.56	6.88
			3 675.00	4.54	5.18	6.12	6.58	6.84
			3 849.99	4.76	5.14	6.12	6.56	6.82

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 Low Band IC	20	30	3 460.02	7.02	7.04	7.50	8.88
			3 675.00	6.94	6.90	7.28	8.90
			3 889.98	6.92	6.96	7.36	8.86
	30		3 465.00	7.20	7.12	7.56	8.88
			3 675.00	6.96	6.98	7.46	8.90
			3 885.00	6.90	7.06	7.26	8.88
	40		3 470.01	7.02	7.24	7.66	8.84
			3 675.00	6.96	7.04	7.44	8.90
			3 879.99	6.86	6.98	7.44	8.68
	50		3 475.02	7.00	6.90	7.70	9.12
			3 675.00	6.86	6.80	7.56	8.92
			3 874.98	6.84	6.90	7.32	8.62
	60		3 480.00	6.90	6.90	7.38	9.20
			3 675.00	7.06	6.96	7.30	8.90
			3 870.00	6.72	6.74	7.34	8.84
	70		3 485.01	7.00	7.08	7.44	8.88
			3 675.00	7.02	6.90	7.50	9.08
			3 864.99	6.74	7.18	7.62	8.84
	80		3 490.02	7.02	7.14	7.52	9.00
			3 675.00	7.04	6.96	7.52	8.92
			3 859.98	6.92	6.88	7.54	8.88
	90		3 495.00	7.10	7.00	7.50	9.02
			3 675.00	7.02	7.02	7.46	9.20
			3 855.00	6.92	6.94	7.38	8.82
	100		3 500.01	6.94	7.02	7.46	9.12
			3 675.00	6.94	6.94	7.46	8.94
			3 849.99	6.94	6.92	7.44	8.76

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 High Band IC	20	30	3 910.02	4.06	4.66	5.60	6.04	6.56
			3 939.99	4.06	4.64	5.60	6.06	6.60
			3 969.99	4.10	4.66	5.66	6.04	6.62
	30		3 915.00	4.08	4.68	5.60	6.18	6.82
			3 939.99	3.96	4.68	5.60	6.16	6.78
			3 964.98	4.04	4.72	5.60	6.18	6.84
	40		3 920.01	4.00	4.64	5.68	6.12	6.84
			3 939.99	4.02	4.66	5.66	6.14	6.78
			3 960.00	4.24	4.70	5.68	6.14	6.84
	50		3 925.02	4.36	4.84	5.82	6.24	6.94
			3 939.99	4.16	4.86	5.78	6.28	7.00
			3 954.99	4.34	4.86	5.82	6.26	6.98
	60		3 930.00	4.04	4.78	5.84	6.30	6.86
			3 939.99	4.10	4.82	5.86	6.34	6.88
			3 949.98	4.14	4.84	5.82	6.32	6.88
	70		3 935.01	4.20	4.82	5.94	6.22	6.78
			3 939.99	4.36	4.84	5.92	6.26	6.80
			3 945.00	4.38	4.86	5.92	6.26	6.88
	80			3 939.99	4.42	5.00	5.94	6.46

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 High Band IC	20	30	3 910.02	6.84	6.88	7.24	8.72
			3 939.99	6.86	6.92	7.22	8.64
			3 969.99	6.92	6.94	7.32	8.72
	30		3 915.00	6.88	7.08	7.50	8.84
			3 939.99	6.78	6.94	7.50	8.68
			3 964.98	6.90	7.04	7.50	8.56
	40		3 920.01	6.86	6.98	7.46	8.88
			3 939.99	6.82	6.96	7.44	8.86
			3 960.00	6.92	7.02	7.44	8.68
	50		3 925.02	6.90	6.86	7.32	8.92
			3 939.99	6.90	6.80	7.42	8.76
			3 954.99	6.92	6.96	7.54	8.88
	60		3 930.00	6.92	6.92	7.18	8.76
			3 939.99	6.80	7.02	7.12	8.70
			3 949.98	6.96	6.88	7.30	8.78
	70		3 935.01	7.02	7.18	7.44	8.70
			3 939.99	6.94	7.20	7.70	8.56
			3 945.00	7.02	6.98	7.58	8.78
	80		3 939.99	6.96	6.98	7.54	8.56

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 IC	20	30	3 460.02	6.74	6.76	7.32	9.00
			3 624.99	6.72	6.74	7.26	8.90
			3 789.99	6.76	6.74	7.28	8.94
	30		3 465.00	6.78	6.90	7.38	8.64
			3 624.99	6.78	6.80	7.28	8.90
			3 784.98	6.78	6.92	7.30	8.86
	40		3 470.01	6.78	6.90	7.34	8.68
			3 624.99	6.80	6.86	7.40	8.70
			3 780.00	6.80	6.94	7.34	8.62
	50		3 475.02	6.90	6.88	7.44	9.00
			3 624.99	6.92	6.84	7.42	8.86
			3 774.99	6.78	6.84	7.40	9.00
	60		3 480.00	6.94	6.96	7.48	8.70
			3 624.99	6.94	6.94	7.40	8.66
			3 769.98	6.98	6.98	7.50	8.54
	70		3 485.01	7.00	7.06	7.52	8.58
			3 624.99	6.94	7.00	7.50	8.74
			3 765.00	7.00	7.02	7.50	8.68
	80		3 490.02	7.06	7.08	7.46	8.60
			3 624.99	6.94	7.00	7.44	8.72
			3 759.99	7.06	7.12	7.46	8.66
	90		3 495.00	7.02	7.00	7.46	8.72
			3 624.99	6.80	7.00	7.14	8.78
			3 754.98	6.94	7.00	7.42	8.68
	100		3 500.01	7.18	7.12	7.68	8.72
			3 624.99	7.16	7.14	7.68	8.74
			3 750.00	7.10	7.10	7.62	8.72

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 Low Band FCC	20	30	3 460.02	4.06	4.62	5.60	6.04	6.48
			3 500.01	3.98	4.58	5.54	5.98	6.56
			3 540.00	3.92	4.60	5.58	6.02	6.48
	30		3 465.00	4.02	4.62	5.46	6.12	6.72
			3 500.01	3.98	4.64	5.52	6.10	6.72
			3 534.99	3.90	4.62	5.52	6.12	6.62
	40		3 470.01	3.94	4.58	5.62	6.10	6.70
			3 500.01	3.96	4.62	5.58	6.06	6.78
			3 529.98	4.06	4.64	5.60	6.08	6.72
	50		3 475.02	4.00	4.64	5.60	6.08	6.74
			3 500.01	4.00	4.64	5.62	6.10	6.72
			3 525.00	4.22	4.78	5.70	6.18	6.78
	60		3 480.00	4.24	4.78	5.84	6.26	6.82
			3 500.01	4.22	4.84	5.80	6.28	6.76
			3 519.99	4.12	4.76	5.76	6.24	6.66
	70		3 485.01	4.30	4.86	5.88	6.18	6.66
			3 500.01	4.22	4.78	5.90	6.20	6.62
			3 514.98	4.24	4.82	5.90	6.18	6.64
	80		3 490.02	4.52	5.04	5.92	6.44	6.84
			3 500.01	4.46	4.94	5.88	6.42	6.76
			3 510.00	4.44	4.96	5.84	6.38	6.80
	90		3 495.00	4.20	4.76	5.70	6.20	6.62
			3 500.01	4.16	4.78	5.74	6.14	6.60
			3 504.99	4.20	4.74	5.74	6.14	6.64
	100		3 500.01	4.74	5.12	6.02	6.56	6.72

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 Low Band FCC	20	30	3 460.02	7.02	7.04	7.52	9.20
			3 500.01	6.94	7.06	7.30	8.98
			3 540.00	7.10	7.06	7.48	9.16
	30		3 465.00	7.16	7.26	7.76	9.18
			3 500.01	7.06	7.16	7.60	9.08
			3 534.99	7.14	7.24	7.78	9.10
	40		3 470.01	7.06	7.22	7.64	9.00
			3 500.01	7.08	7.10	7.72	9.00
			3 529.98	7.04	7.22	7.66	9.04
	50		3 475.02	6.98	6.78	7.54	9.04
			3 500.01	6.74	7.00	7.46	9.08
			3 525.00	7.02	7.00	7.40	9.10
	60		3 480.00	7.20	7.20	7.54	9.26
			3 500.01	6.76	6.96	7.30	9.32
			3 519.99	7.18	6.90	7.50	9.08
	70		3 485.01	6.90	7.22	7.68	8.92
			3 500.01	7.04	7.26	7.72	8.98
			3 514.98	6.96	7.24	7.76	9.06
	80		3 490.02	7.00	7.02	7.48	9.08
			3 500.01	6.88	7.02	7.56	9.06
			3 510.00	7.02	7.02	7.72	9.10
	90		3 495.00	7.12	7.06	7.60	9.18
			3 500.01	6.94	7.10	7.30	9.06
			3 504.99	6.92	7.16	7.44	8.92
	100		3 500.01	7.08	7.06	7.54	9.18

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	DFT-S-OFDM 64QAM	DFT-S-OFDM 256QAM
n77 High Band FCC	20	30	3 710.01	4.02	4.68	5.64	6.08	6.74
			3 840.00	4.12	4.66	5.64	6.04	6.64
			3 969.99	4.04	4.64	5.68	6.10	6.80
	30		3 715.02	4.12	4.74	5.58	6.16	6.86
			3 840.00	4.18	4.66	5.60	6.20	6.86
			3 964.98	4.14	4.70	5.60	6.18	6.86
	40		3 720.00	4.10	4.70	5.68	6.14	6.82
			3 840.00	4.10	4.66	5.68	6.16	6.78
			3 960.00	4.16	4.70	5.66	6.14	6.84
	50		3 725.01	4.34	4.82	5.82	6.28	6.90
			3 840.00	4.20	4.82	5.80	6.30	6.88
			3 954.99	4.42	4.86	5.78	6.34	6.92
	60		3 730.02	4.12	4.86	5.86	6.30	6.88
			3 840.00	4.14	4.84	5.88	6.30	6.84
			3 949.98	4.26	4.84	5.86	6.32	6.88
	70		3 735.00	4.48	4.90	5.92	6.28	6.86
			3 840.00	4.26	4.86	5.94	6.22	6.80
			3 945.00	4.26	4.86	5.94	6.30	6.80
	80		3 740.01	4.46	5.06	5.98	6.52	6.90
			3 840.00	4.40	5.00	5.92	6.42	6.74
			3 939.99	4.46	4.98	5.88	6.40	6.82
	90		3 745.02	4.42	4.90	5.80	6.32	6.84
			3 840.00	4.16	4.92	5.80	6.28	6.90
			3 934.98	4.10	4.80	5.78	6.24	6.80
	100		3 750.00	4.62	5.20	6.14	6.62	6.84
			3 840.00	4.76	5.18	6.10	6.58	6.88
			3 930.00	4.66	5.08	6.08	6.56	6.90

Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n77 High Band FCC	20	30	3 710.01	7.00	6.96	7.30	8.80
			3 840.00	6.94	6.94	7.30	8.70
			3 969.99	6.90	6.90	7.34	8.68
	30		3 715.02	6.86	7.02	7.36	8.76
			3 840.00	6.90	7.04	7.42	8.74
			3 964.98	6.96	7.10	7.48	8.60
	40		3 720.00	6.90	6.84	7.48	8.82
			3 840.00	6.88	7.00	7.44	8.74
			3 960.00	6.86	7.04	7.50	8.56
	50		3 725.01	6.82	6.94	7.48	8.78
			3 840.00	6.92	6.90	7.34	8.82
			3 954.99	6.84	7.08	7.36	8.84
	60		3 730.02	6.82	6.82	7.50	8.94
			3 840.00	6.60	6.94	7.34	8.72
			3 949.98	6.88	6.76	7.48	8.88
	70		3 735.00	7.12	7.16	7.44	8.94
			3 840.00	7.04	7.12	7.32	8.86
			3 945.00	6.90	6.98	7.60	8.64
	80		3 740.01	6.98	6.98	7.56	8.88
			3 840.00	6.88	6.96	7.46	8.86
			3 939.99	6.94	6.98	7.42	8.90
	90		3 745.02	6.88	6.98	7.40	8.98
			3 840.00	6.96	6.84	7.24	8.84
			3 934.98	6.90	6.92	7.40	8.86
	100		3 750.00	6.86	7.00	7.48	9.02
			3 840.00	6.92	6.86	7.24	8.86
			3 930.00	7.04	7.02	7.52	8.78

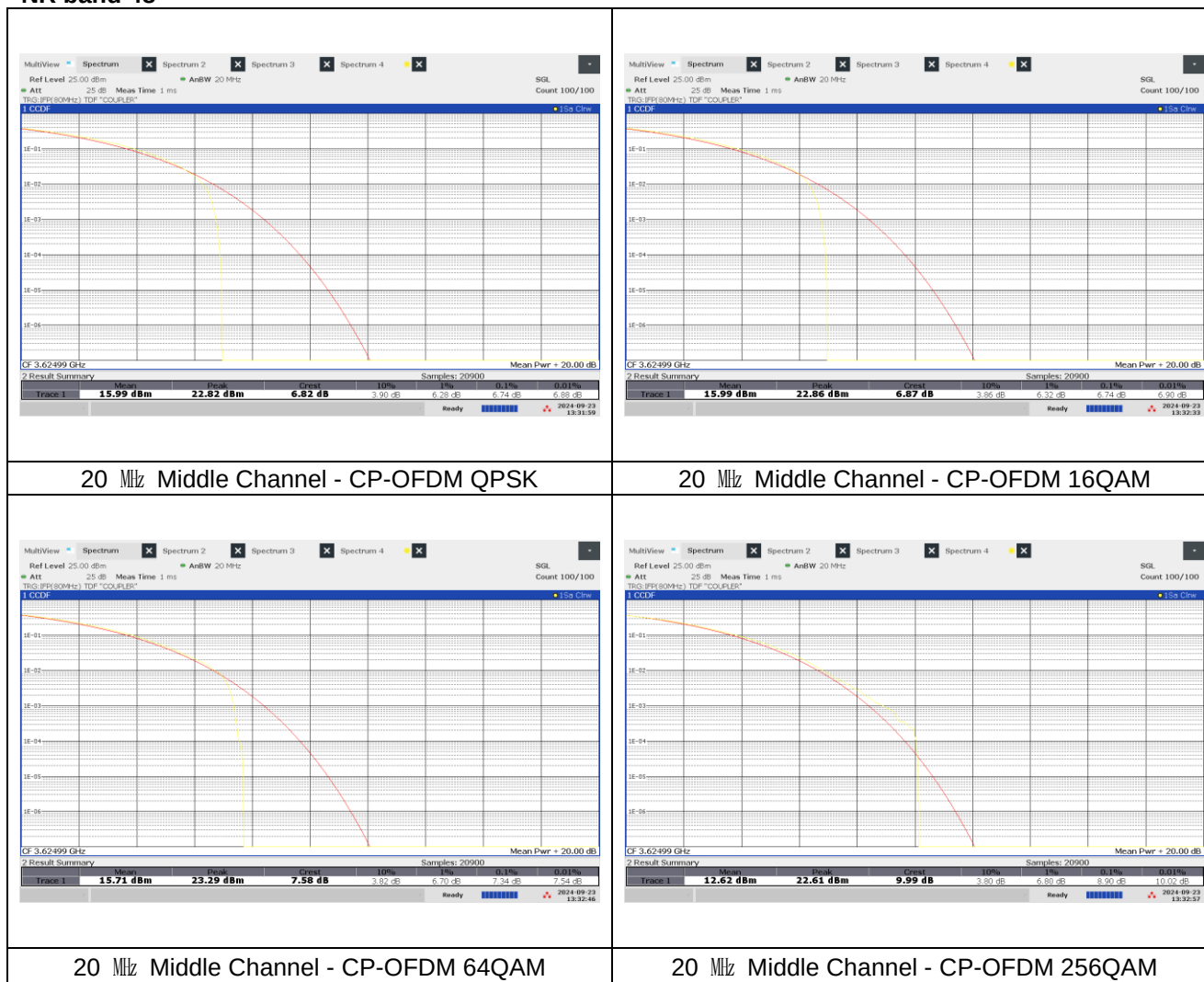
Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 Low Band FCC	20	30	3 460.02	6.72	6.76	7.36	9.04
			3 500.01	6.70	6.76	7.30	8.86
			3 540.00	6.72	6.66	7.28	8.96
	30		3 465.00	6.84	6.94	7.40	8.76
			3 500.01	6.84	6.96	7.40	8.60
			3 534.99	6.74	6.88	7.32	8.60
	40		3 470.01	6.82	6.94	7.36	8.68
			3 500.01	6.82	6.98	7.40	8.48
			3 529.98	6.80	6.94	7.42	8.66
	50		3 475.02	6.84	6.86	7.42	9.04
			3 500.01	6.92	6.92	7.46	8.94
			3 525.00	6.94	6.90	7.50	8.90
	60		3 480.00	6.80	6.92	7.36	8.74
			3 500.01	7.06	7.04	7.54	8.50
			3 519.99	6.98	7.04	7.52	8.54
	70		3 485.01	6.98	7.06	7.54	8.62
			3 500.01	7.10	7.12	7.54	8.74
			3 514.98	7.06	7.08	7.58	8.70
	80		3 490.02	7.10	7.08	7.46	8.66
			3 500.01	7.10	7.10	7.50	8.64
			3 510.00	7.16	7.18	7.50	8.72
	90		3 495.00	6.96	7.02	7.52	8.68
			3 500.01	7.00	7.02	7.54	8.64
			3 504.99	7.08	7.08	7.56	8.66
	100		3 500.01	7.16	7.10	7.68	8.80

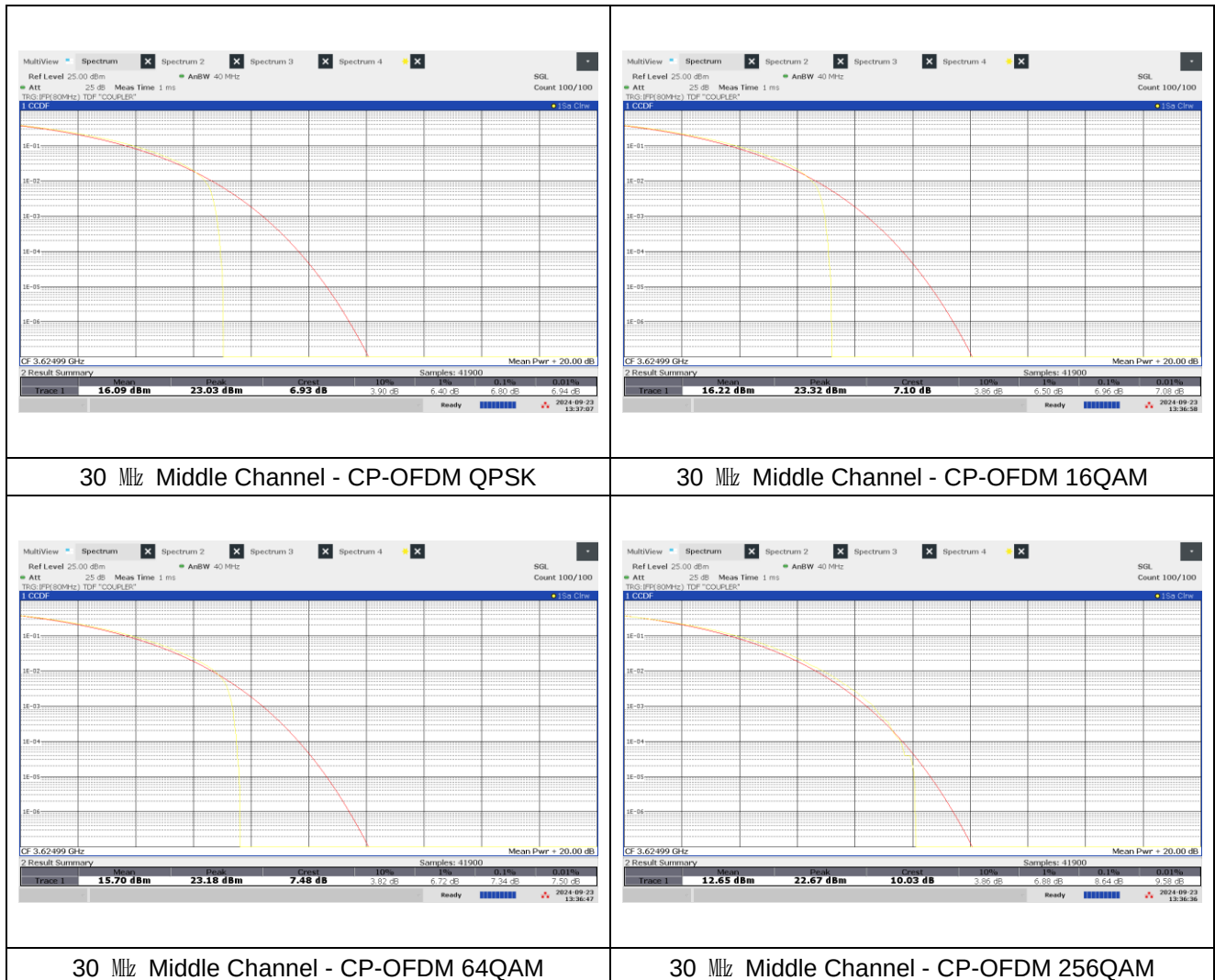
Band	Bandwidth (MHz)	SCS (kHz)	Frequency (MHz)	PAR (dB)			
				CP-OFDM QPSK	CP-OFDM 16QAM	CP-OFDM 64QAM	CP-OFDM 256QAM
n78 High Band FCC	20	30	3 710.01	6.76	6.80	7.28	8.76
			3 750.00	6.76	6.84	7.30	8.70
			3 789.99	6.80	6.84	7.30	8.76
	30		3 715.02	6.80	6.94	7.34	8.42
			3 750.00	6.84	7.02	7.38	8.62
			3 784.98	6.82	7.00	7.40	8.46
	40		3 720.00	6.84	6.98	7.38	8.84
			3 750.00	6.80	7.04	7.40	8.68
			3 780.00	6.84	6.98	7.36	8.76
	50		3 725.01	6.94	6.92	7.46	8.62
			3 750.00	6.96	6.88	7.36	8.84
			3 774.99	6.96	6.94	7.48	8.70
	60		3 730.02	7.04	7.02	7.56	8.66
			3 750.00	7.08	7.02	7.60	8.72
			3 769.98	7.06	7.02	7.58	8.68
	70		3 735.00	7.04	7.08	7.58	8.64
			3 750.00	7.00	7.14	7.58	8.66
			3 765.00	7.08	7.12	7.62	8.58
	80		3 740.01	7.16	7.16	7.52	8.72
			3 750.00	7.14	7.16	7.54	8.76
			3 759.99	7.16	7.20	7.54	8.74
	90		3 745.02	7.02	7.06	7.58	8.64
			3 750.00	7.04	7.04	7.64	8.68
			3 754.98	7.06	7.06	7.62	8.68
	100		3 750.00	7.20	7.20	7.70	8.64

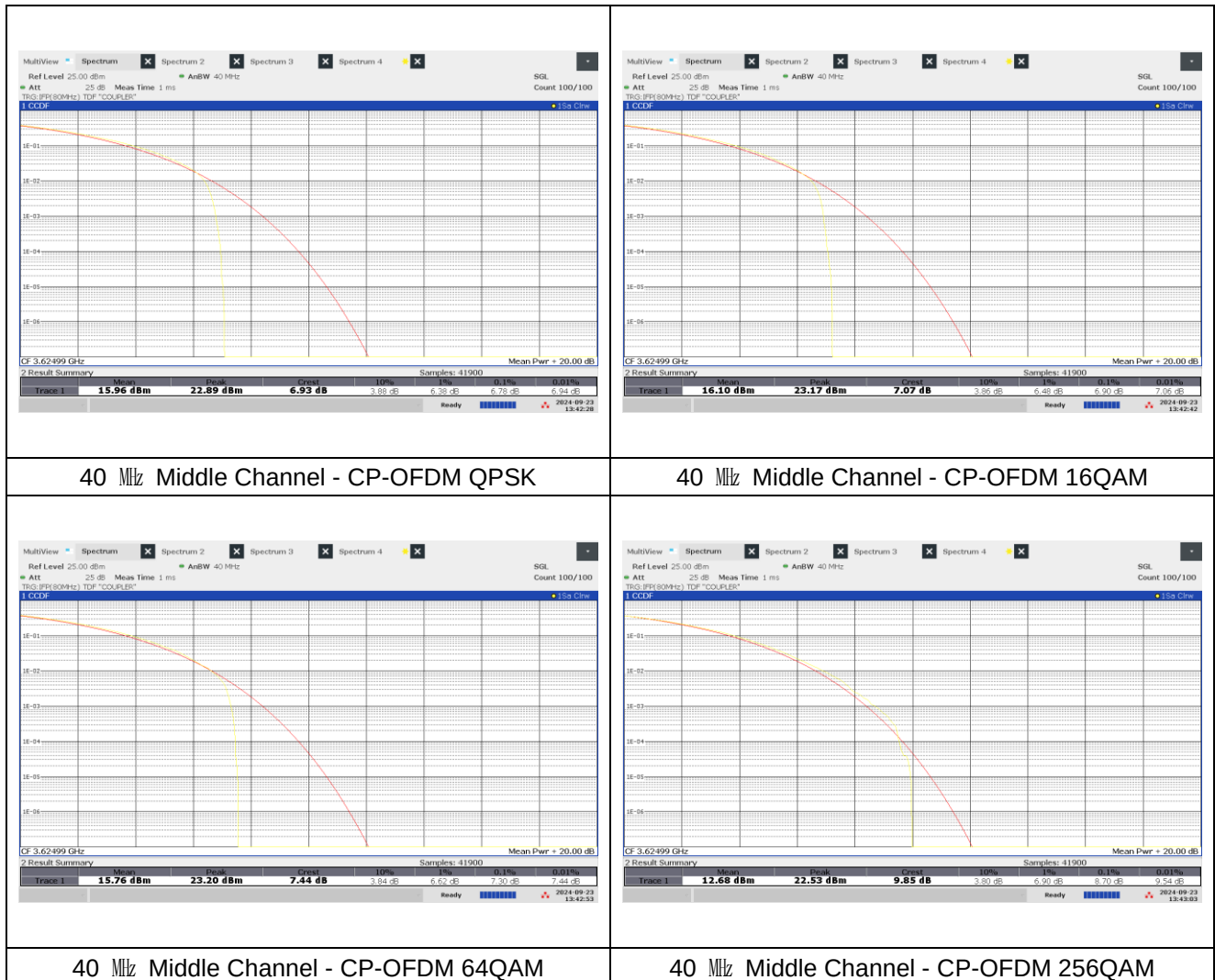
- Test plots

Ant. 1

NR band 48







NR band 77 – Low Band IC

