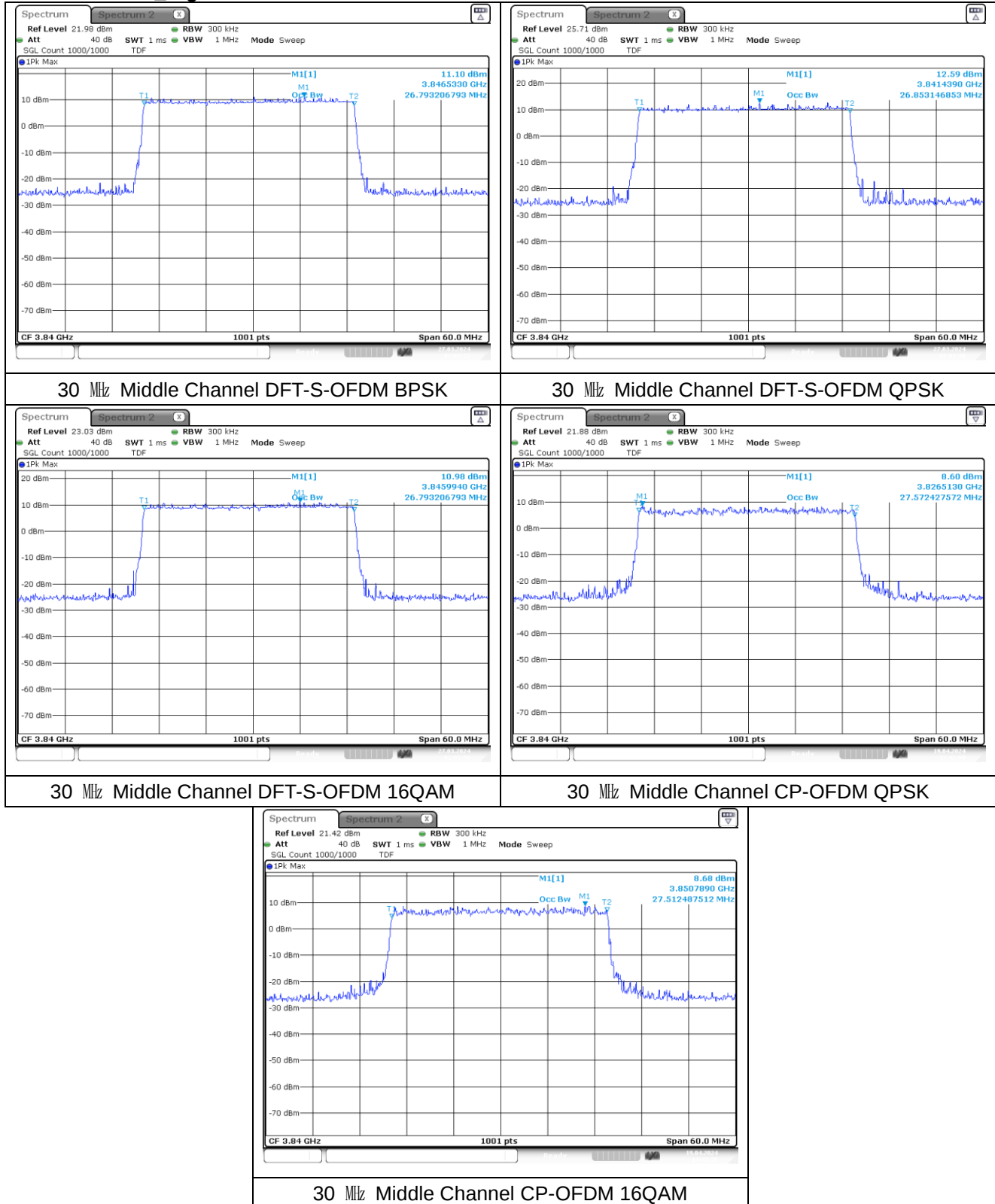
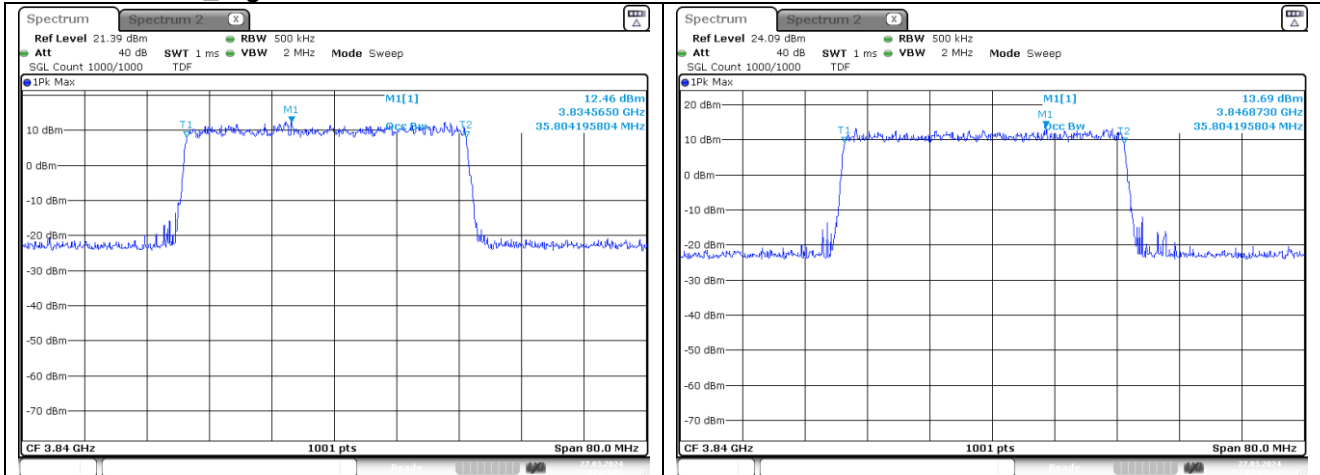


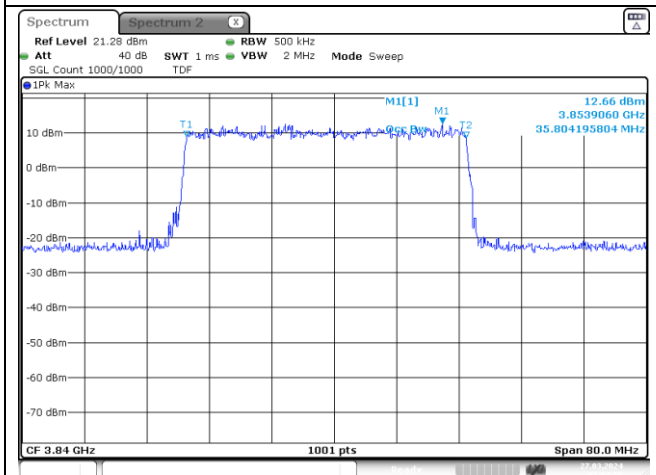
NR band 77/78_High Band



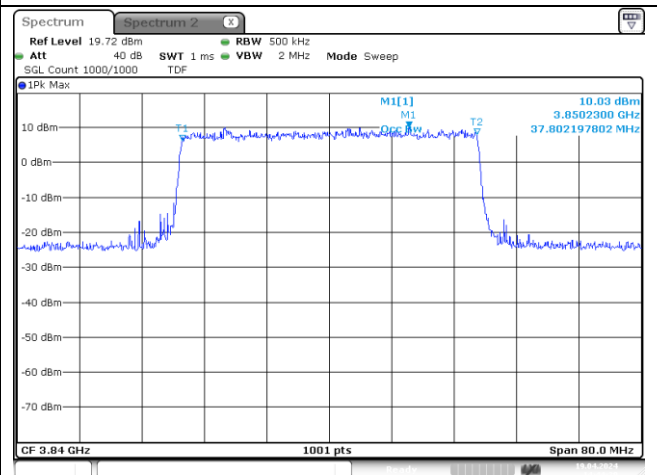
NR band 77/78_High Band



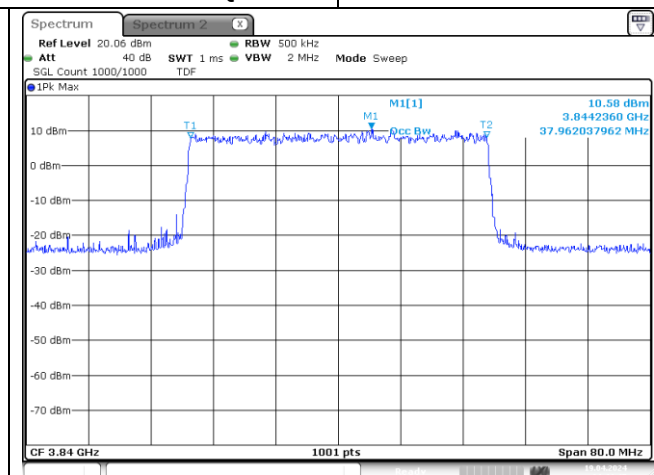
40 MHz Middle Channel DFT-S-OFDM BPSK



40 MHz Middle Channel DFT-S-OFDM QPSK



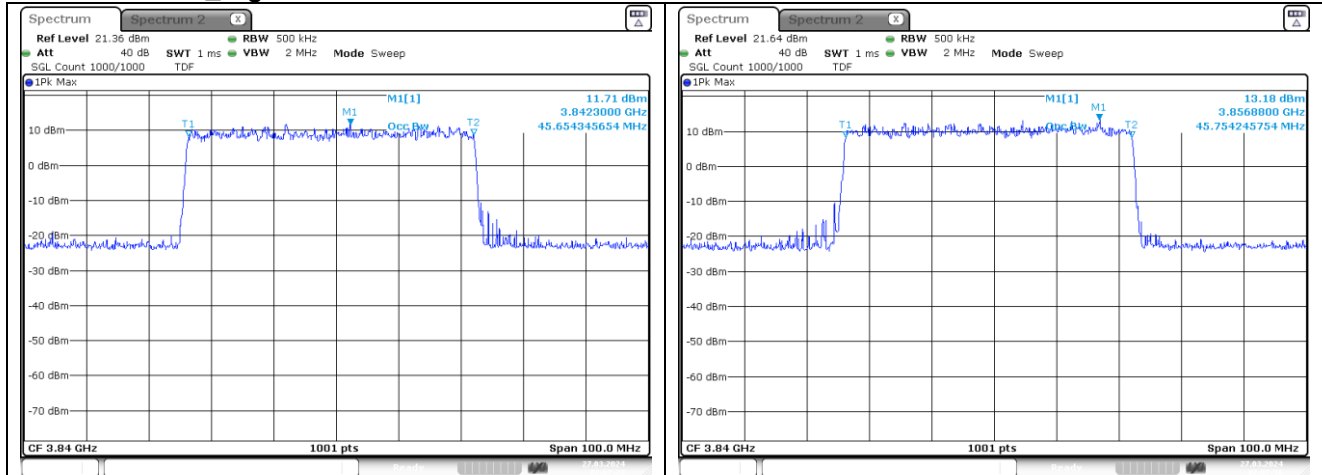
40 MHz Middle Channel DFT-S-OFDM 16QAM



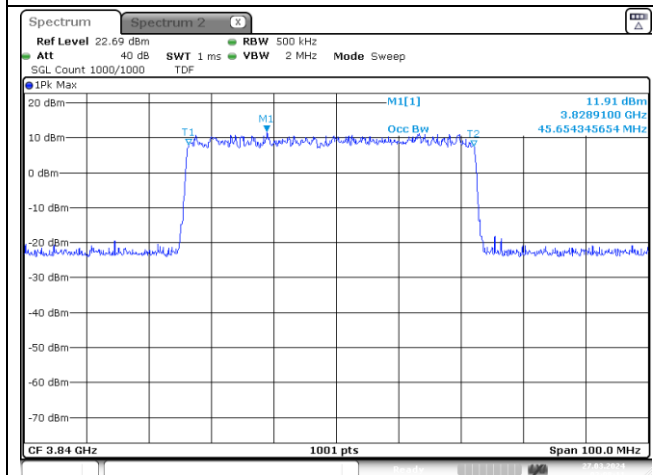
40 MHz Middle Channel CP-OFDM QPSK

40 MHz Middle Channel CP-OFDM 16QAM

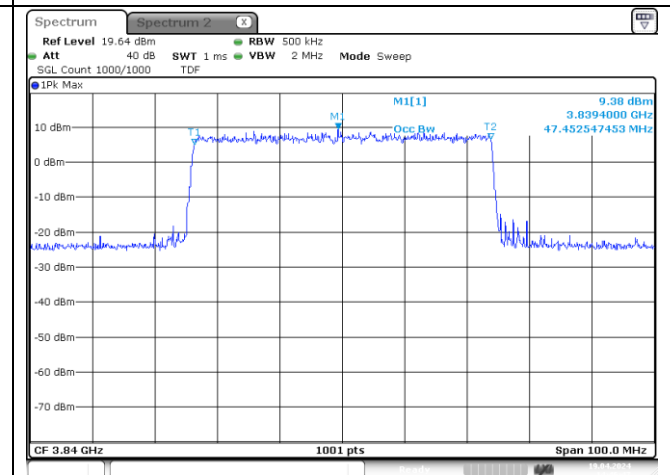
NR band 77/78_High Band



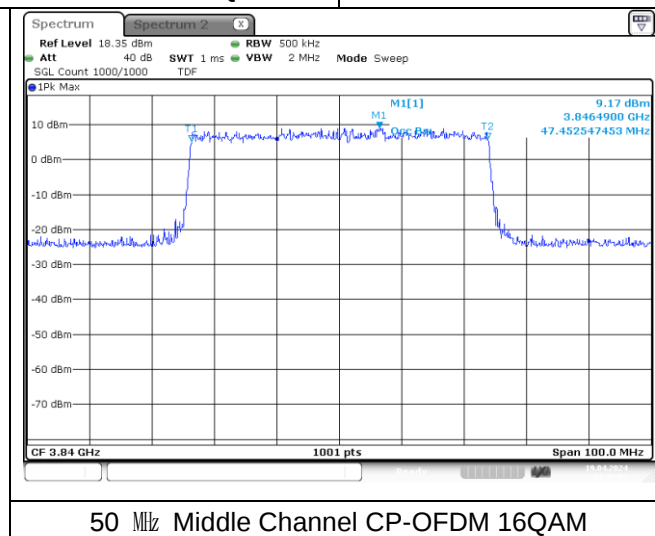
50 MHz Middle Channel DFT-S-OFDM BPSK



50 MHz Middle Channel DFT-S-OFDM QPSK



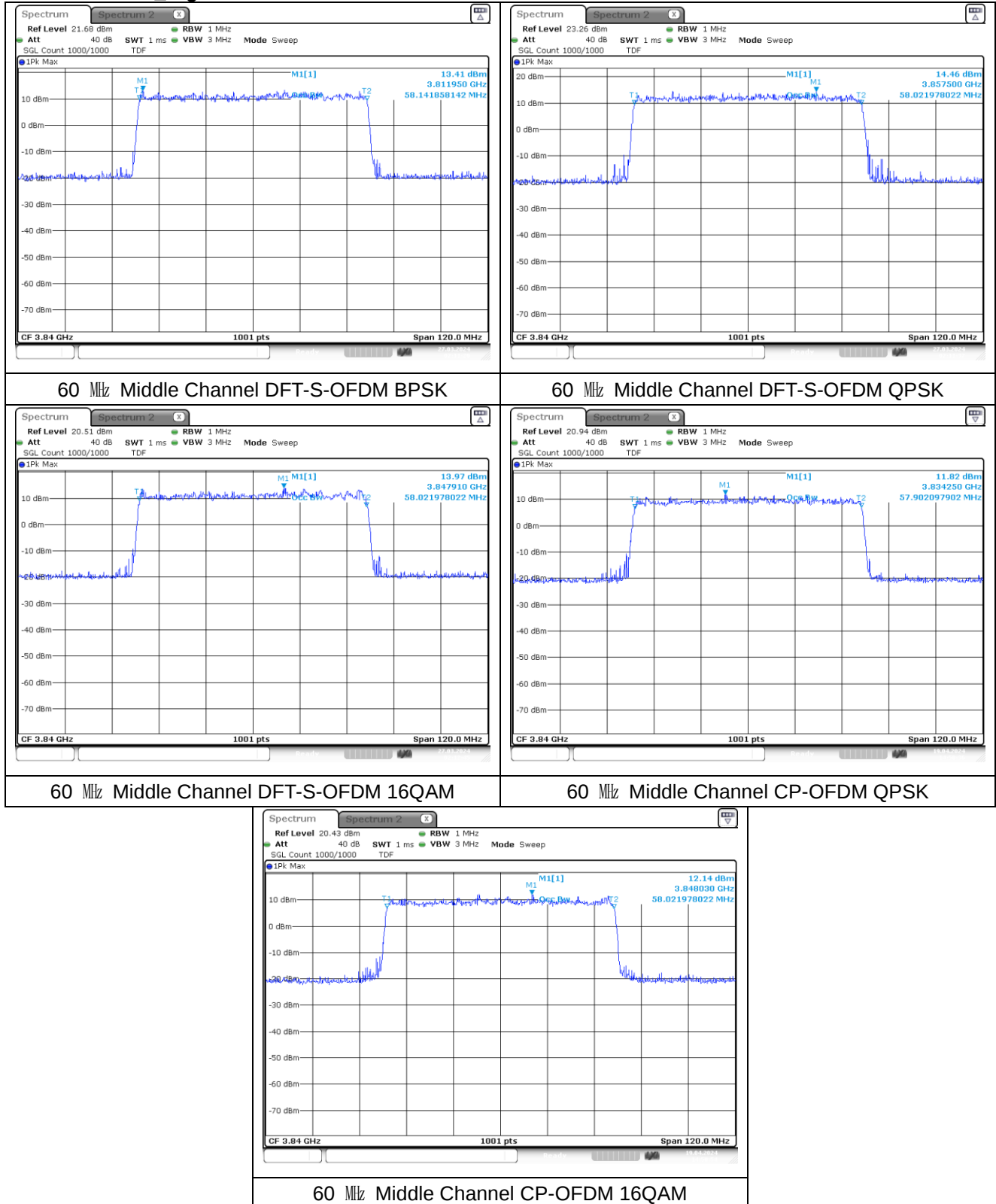
50 MHz Middle Channel DFT-S-OFDM 16QAM



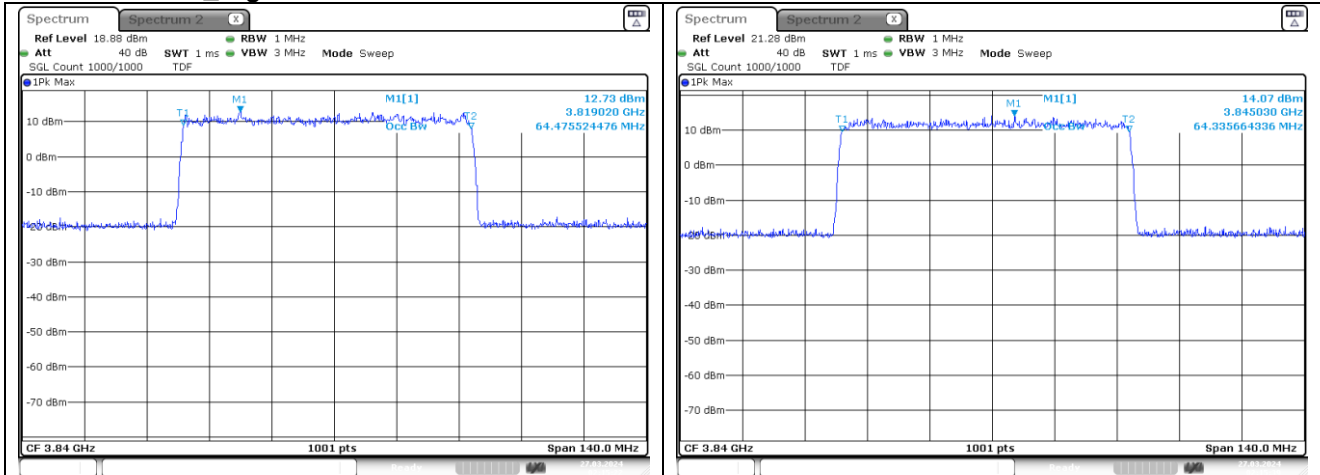
50 MHz Middle Channel CP-OFDM QPSK

50 MHz Middle Channel CP-OFDM 16QAM

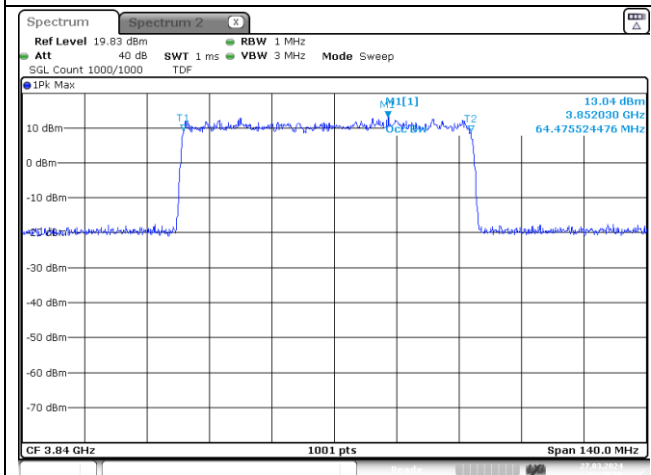
NR band 77/78_High Band



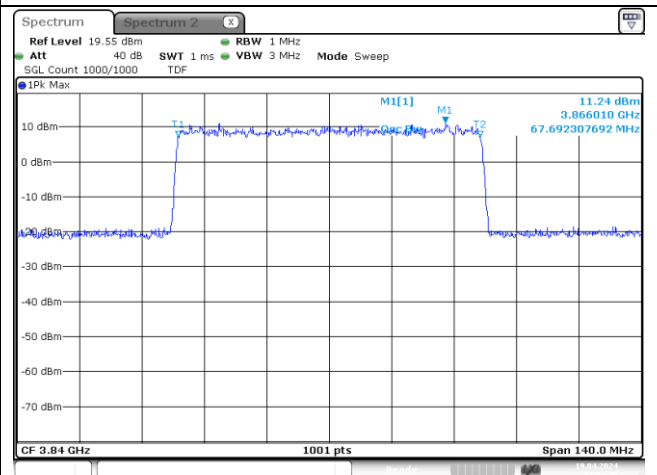
NR band 77/78_High Band



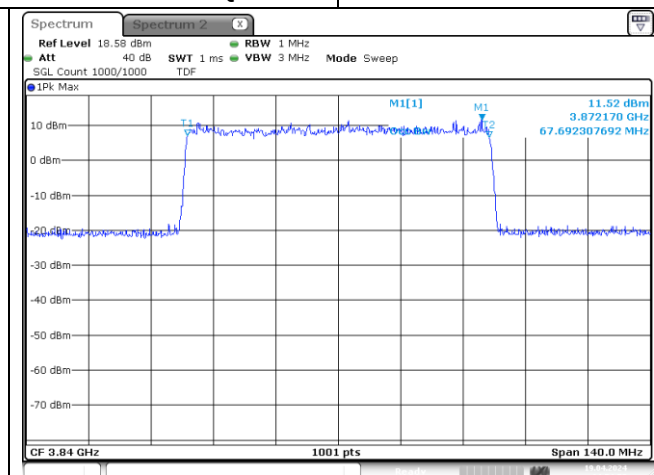
70 MHz Middle Channel DFT-S-OFDM BPSK



70 MHz Middle Channel DFT-S-OFDM QPSK



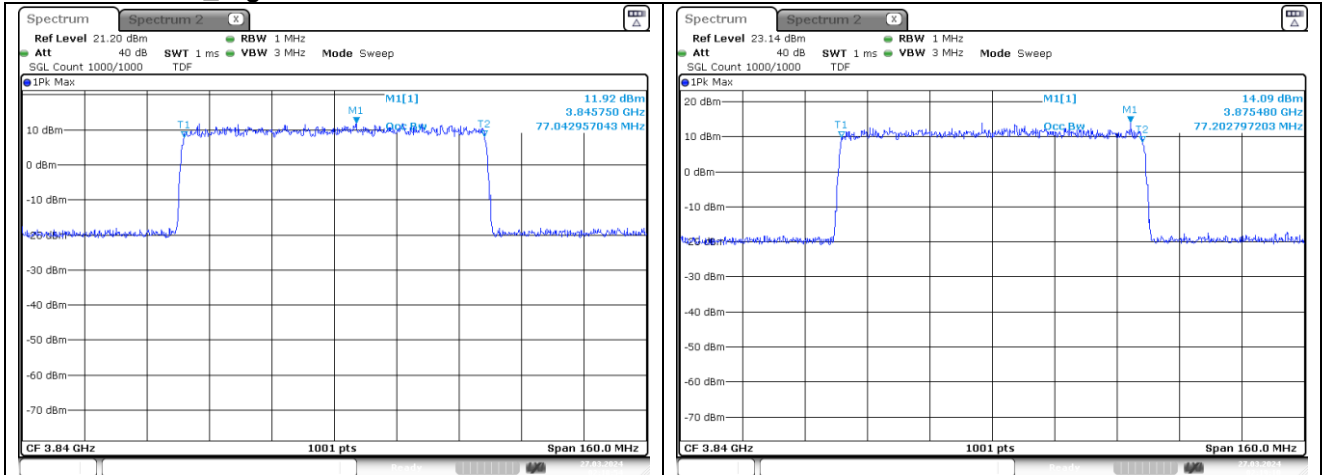
70 MHz Middle Channel DFT-S-OFDM 16QAM



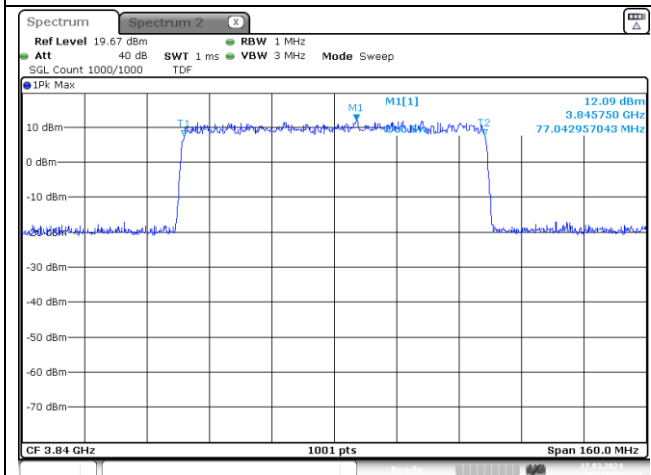
70 MHz Middle Channel CP-OFDM QPSK

70 MHz Middle Channel CP-OFDM 16QAM

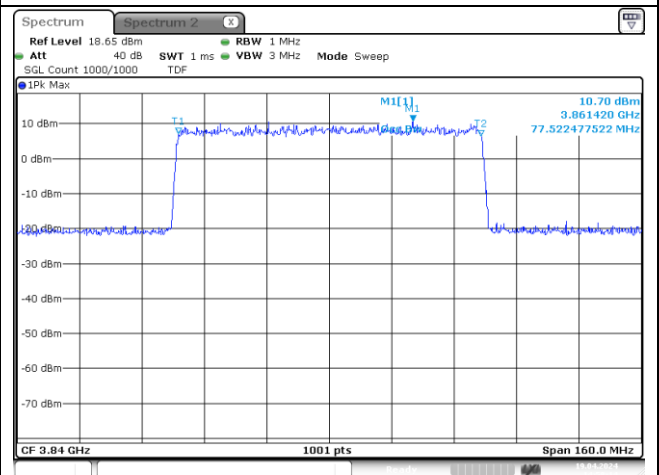
NR band 77/78_High Band



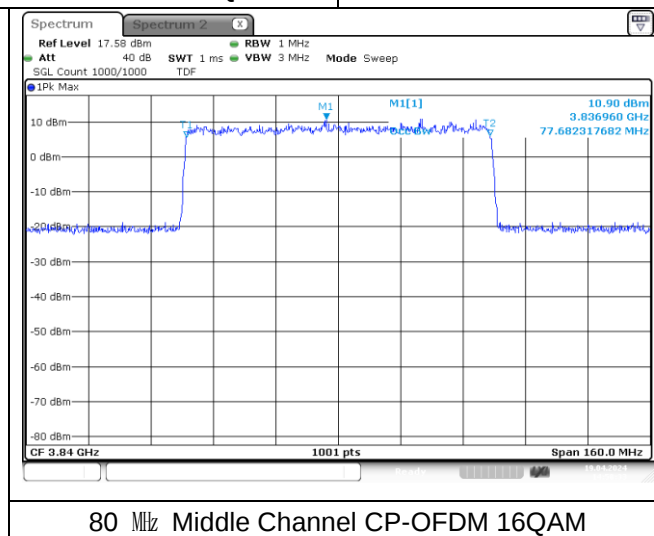
80 MHz Middle Channel DFT-S-OFDM BPSK



80 MHz Middle Channel DFT-S-OFDM QPSK



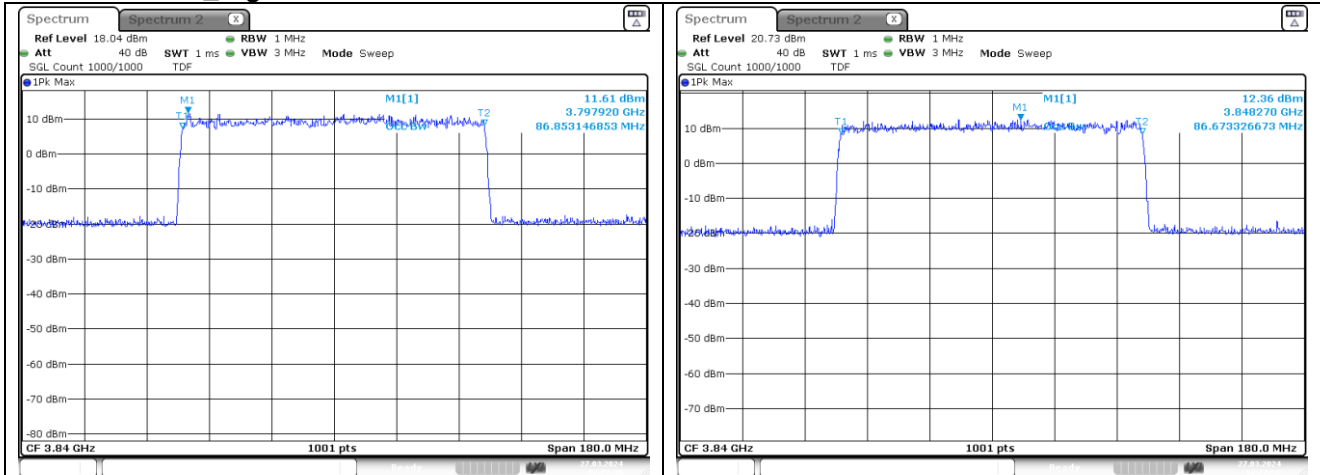
80 MHz Middle Channel DFT-S-OFDM 16QAM



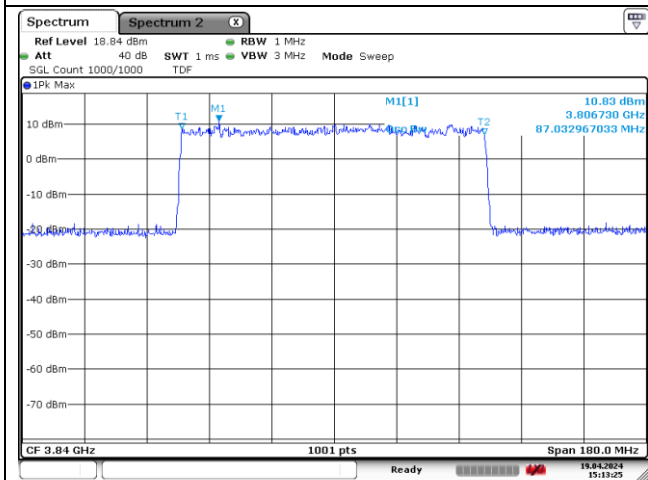
80 MHz Middle Channel CP-OFDM QPSK

80 MHz Middle Channel CP-OFDM 16QAM

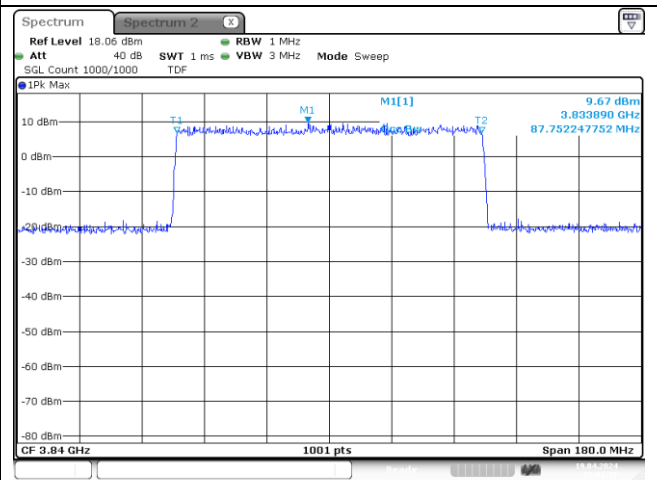
NR band 77/78_High Band



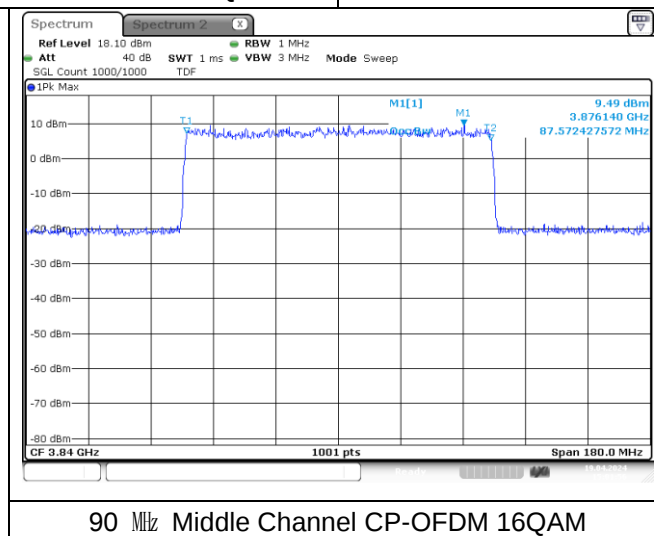
90 MHz Middle Channel DFT-S-OFDM BPSK



90 MHz Middle Channel DFT-S-OFDM QPSK



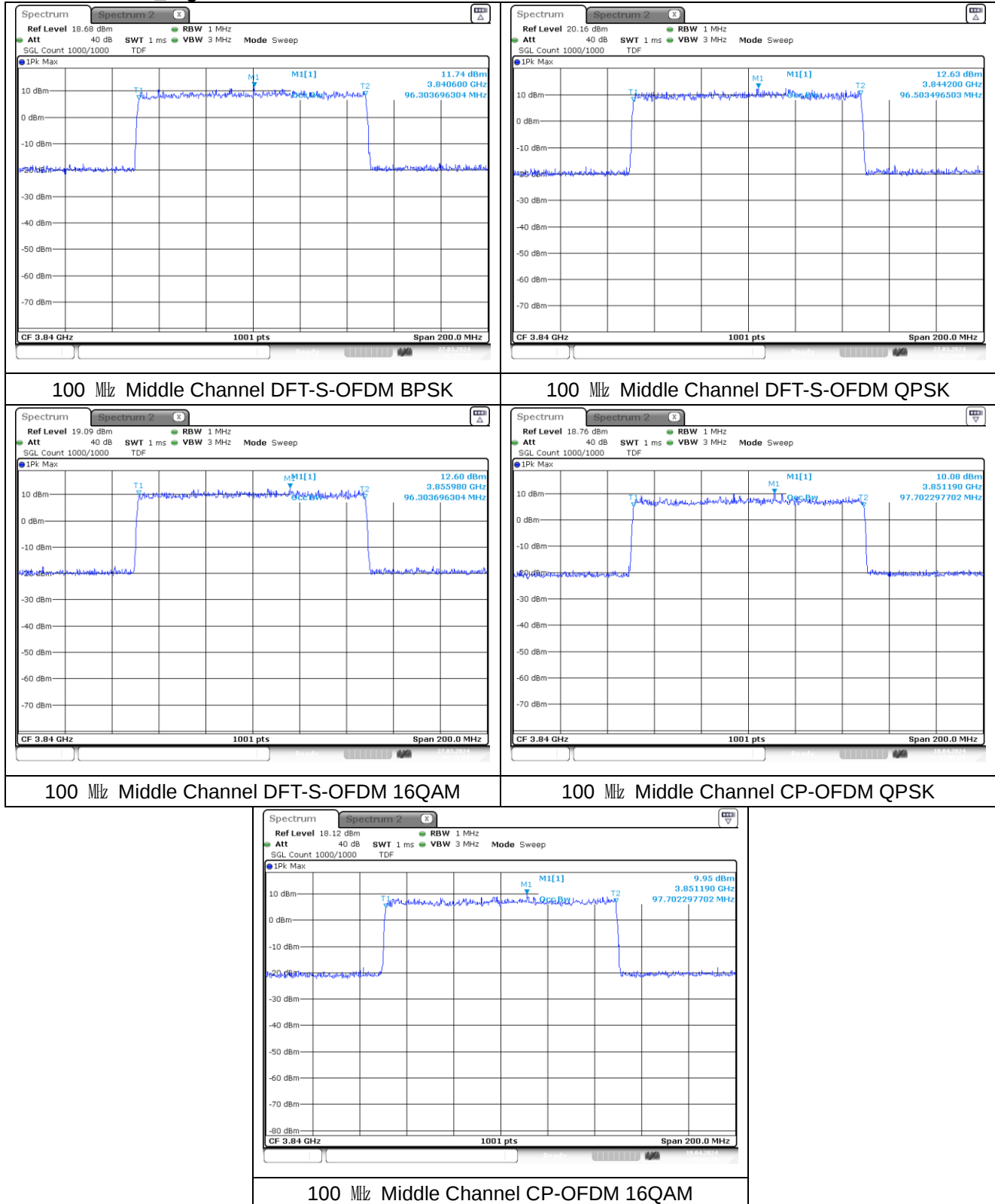
90 MHz Middle Channel DFT-S-OFDM 16QAM



90 MHz Middle Channel CP-OFDM QPSK

90 MHz Middle Channel CP-OFDM 16QAM

NR band 77/78_High Band



5. Peak-Average Ratio

5.1. Limit

- §27.50(d)(5), Equipment employed must be authorized in accordance with the provisions of § 24.51. 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 (d)(6) 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(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.

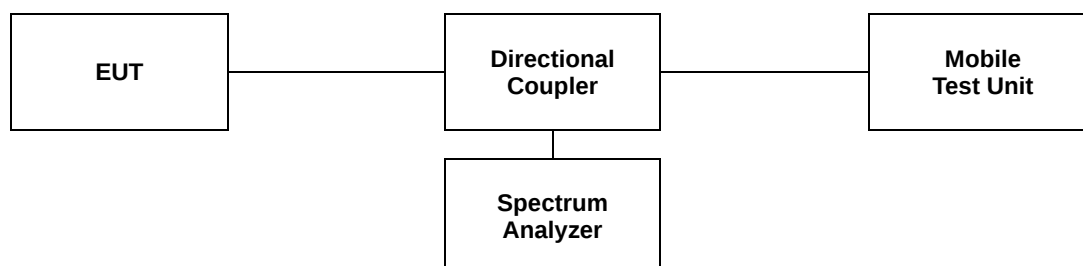
- §27.50(k)(4), Equipment employed must be authorized in accordance with the provisions of § 27.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (k)(5) 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.

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

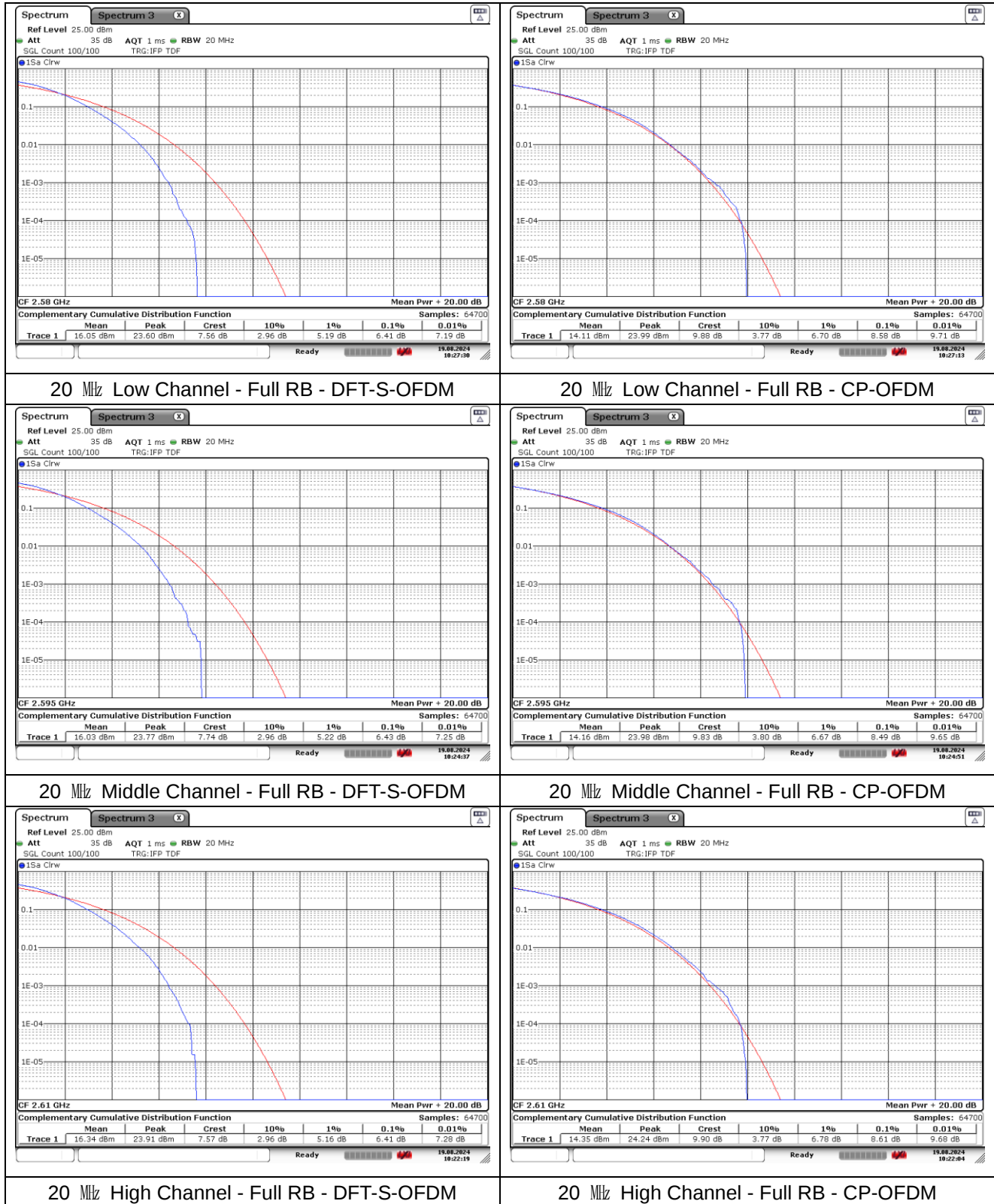
Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
38	30	20	256QAM	2 580.0	6.41	8.58
				2 595.0	6.43	8.49
				2 610.0	6.41	8.61
		30	256QAM	2 585.0	6.55	8.58
				2 595.0	6.49	8.64
				2 605.0	6.52	8.55
		40	256QAM	2 590.0	6.46	8.32
				2 595.0	6.52	8.32
				2 600.0	6.55	8.49
41	30	20	256QAM	2 506.02	6.54	8.58
				2 592.99	6.46	8.56
				2 679.99	6.52	8.86
		30	256QAM	2 511.00	6.78	8.72
				2 592.99	6.86	8.70
				2 674.98	6.84	8.82
		40	256QAM	2 516.01	6.98	8.78
				2 592.99	6.74	8.64
				2 670.00	6.86	8.48
		50	256QAM	2 521.02	6.74	8.90
				2 592.99	6.64	8.72
				2 664.99	6.70	8.68
		60	256QAM	2 526.00	6.66	8.46
				2 592.99	6.64	8.36
				2 659.98	6.66	8.38
		70	256QAM	2 531.01	6.60	8.66
				2 592.99	6.58	8.40
				2 655.00	6.56	8.62
		80	256QAM	2 536.02	6.64	8.42
				2 592.99	6.66	8.46
				2 649.99	6.62	8.46
		90	256QAM	2 541.00	6.60	8.54
				2 592.99	6.68	8.64
				2 644.98	6.72	8.58
100	256QAM	2 546.01	6.60	8.60		
		2 592.99	6.72	8.58		
		2 640.00	6.82	8.70		

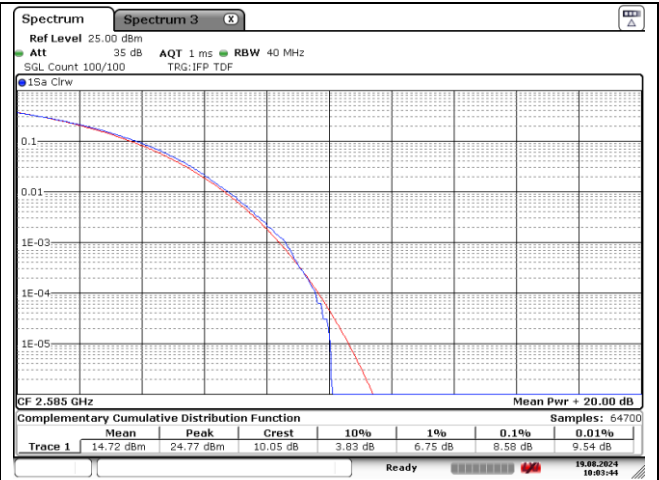
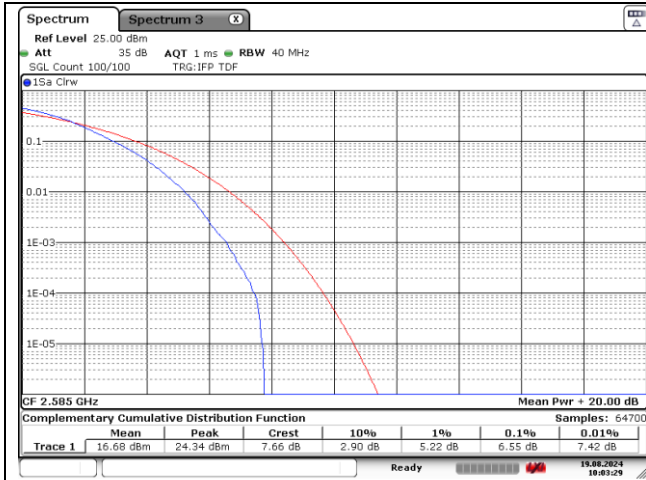
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
n77/78 Low Band	30	20	256QAM	3 460.02	6.58	8.58
				3 500.01	6.48	8.54
				3 540.00	6.42	8.66
		30	256QAM	3 465.00	6.68	8.76
				3 500.01	6.76	8.56
				3 534.99	6.74	8.72
		40	256QAM	3 470.01	6.90	8.40
				3 500.01	6.66	8.44
				3 529.98	6.80	8.54
		50	256QAM	3 475.02	6.62	8.52
				3 500.01	6.62	8.60
				3 525.00	6.58	8.62
		60	256QAM	3 480.00	6.54	8.44
				3 500.01	6.64	8.32
				3 519.99	6.56	8.38
		70	256QAM	3 485.01	6.50	8.46
				3 500.01	6.54	8.58
				3 514.98	6.56	8.46
		80	256QAM	3 490.02	6.48	8.44
				3 500.01	6.62	8.44
				3 510.00	6.60	8.40
		90	256QAM	3 495.00	6.52	8.52
				3 500.01	6.62	8.50
				3 504.99	6.60	8.58
		100	256QAM	3 500.01	6.60	8.54
n77/78 High Band	30	20	256QAM	3 710.01	6.58	8.60
				3 840.00	6.62	8.54
				3 969.99	6.52	8.58
		30	256QAM	3 715.02	6.76	8.74
				3 840.00	6.72	8.76
				3 964.98	6.76	8.82
		40	256QAM	3 720.00	6.84	8.60
				3 840.00	6.80	8.74
				3 960.00	6.74	8.60
		50	256QAM	3 725.01	6.56	8.62
				3 840.00	6.60	8.74
				3 954.99	6.56	8.60
		60	256QAM	3 730.02	6.66	8.46
				3 840.00	6.58	8.38
				3 949.98	6.62	8.48
		70	256QAM	3 735.00	6.54	8.50
				3 840.00	6.52	8.58
				3 945.00	6.58	8.56
		80	256QAM	3 740.01	6.68	8.42
				3 840.00	6.54	8.54
				3 939.99	6.60	8.46
		90	256QAM	3 745.02	6.74	8.52
				3 840.00	6.56	8.58
				3 934.98	6.58	8.52
		100	256QAM	3 750.00	6.62	8.60
				3 840.00	6.60	8.50
				3 930.00	6.66	8.46

- Test plots

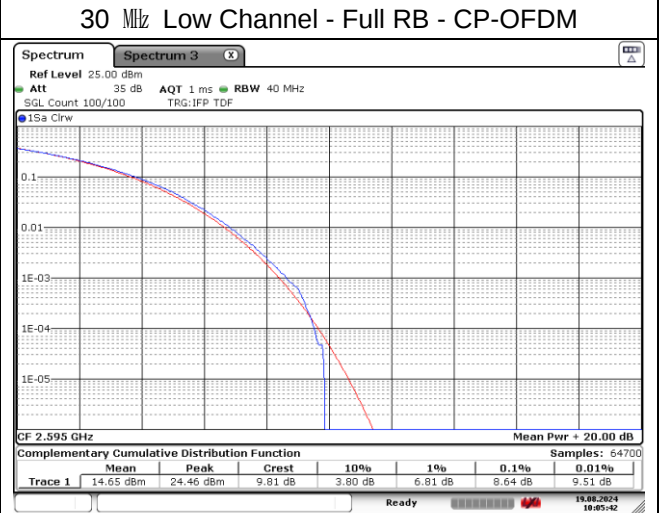
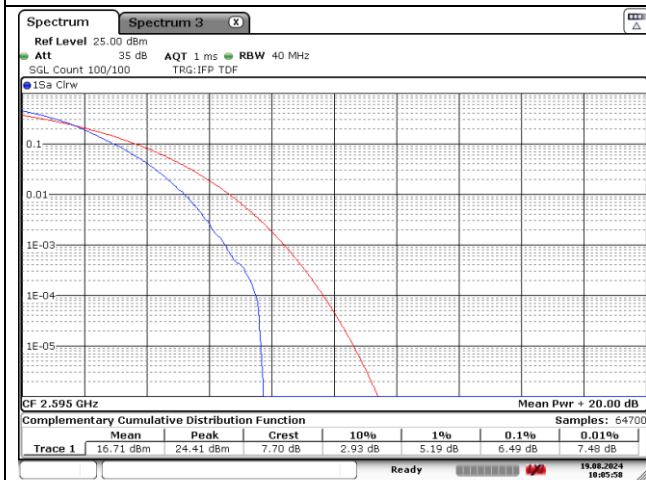
NR band 38



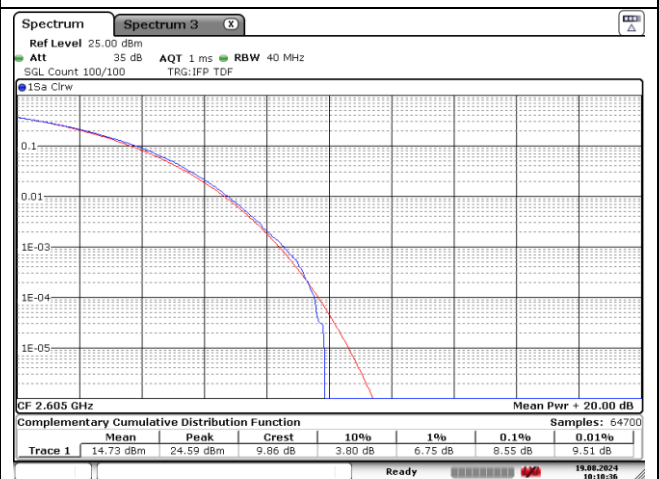
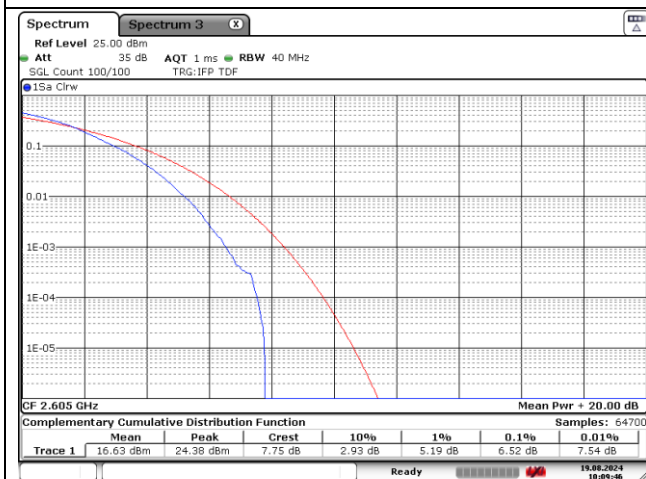
NR band 38



30 MHz Low Channel - Full RB - DFT-S-OFDM



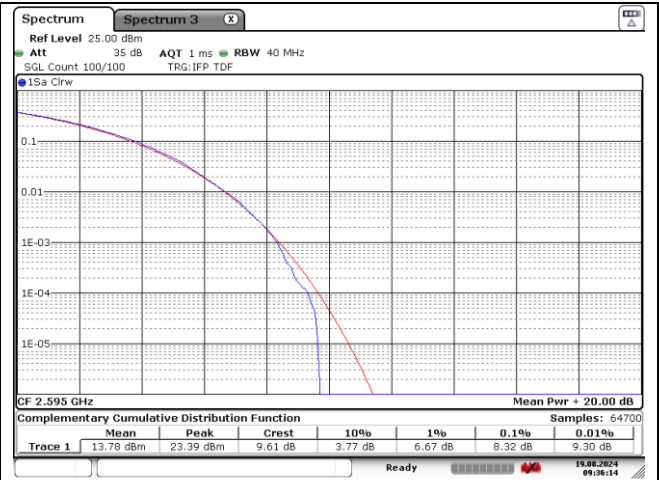
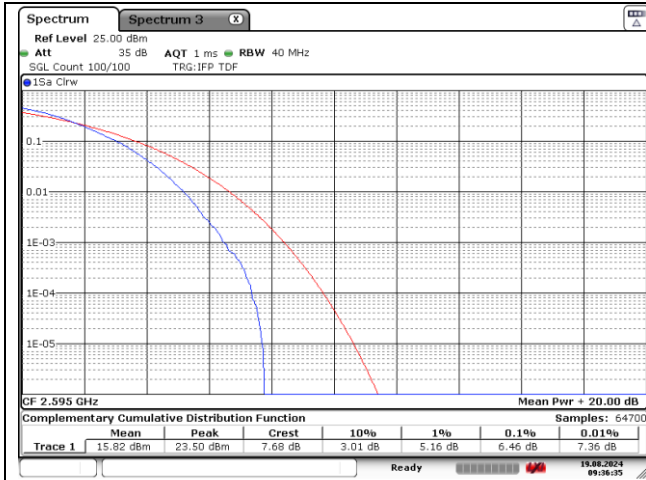
30 MHz Middle Channel - Full RB - DFT-S-OFDM



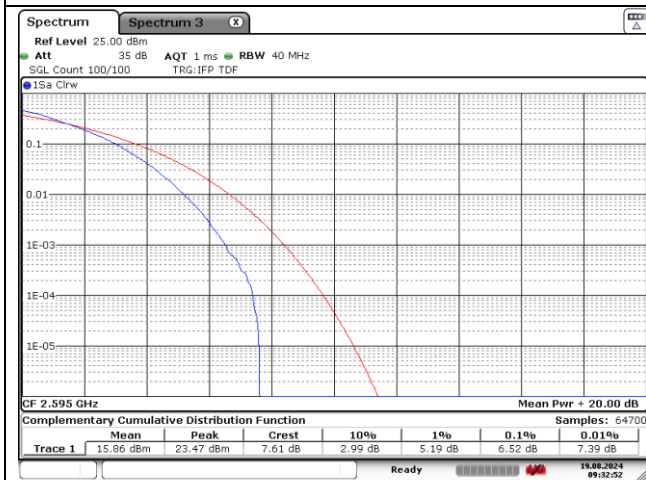
30 MHz High Channel - Full RB - DFT-S-OFDM

30 MHz High Channel - Full RB - CP-OFDM

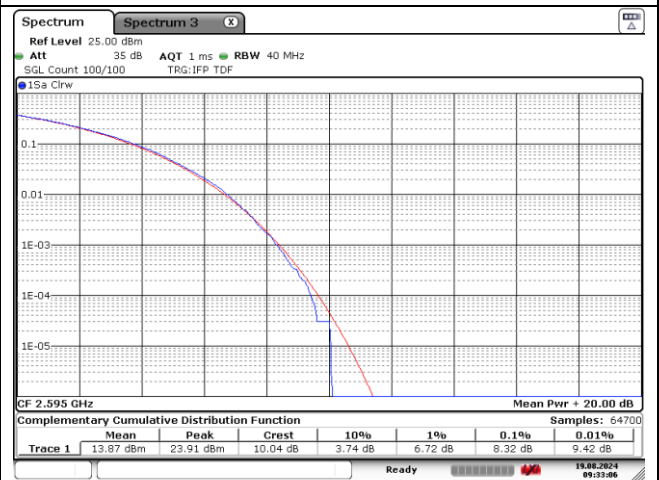
NR band 38



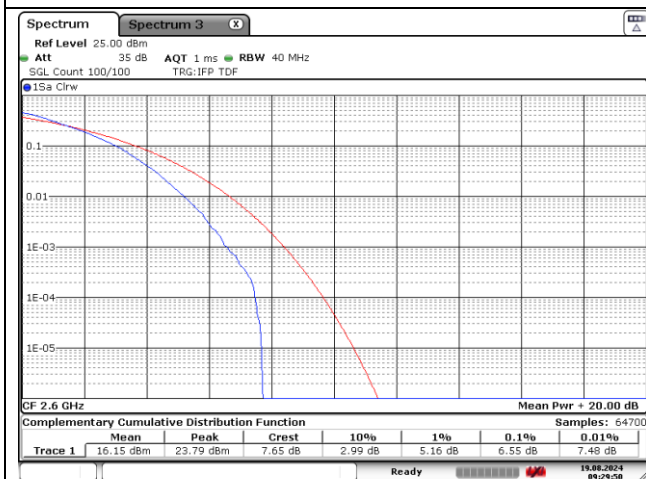
40 MHz Low Channel - Full RB - DFT-S-OFDM



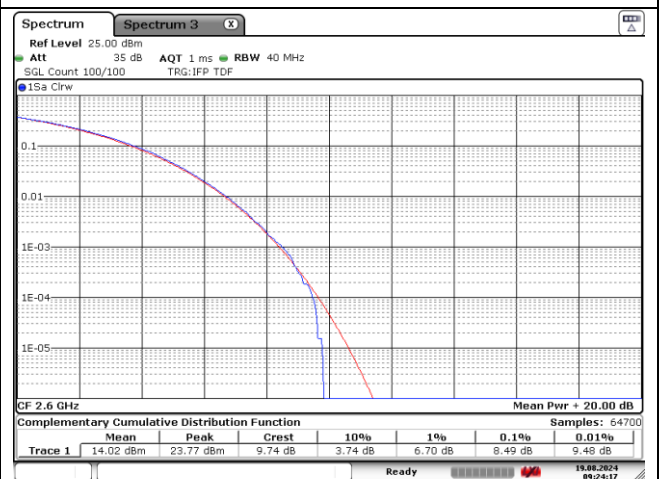
40 MHz Low Channel - Full RB - CP-OFDM



40 MHz Middle Channel - Full RB - DFT-S-OFDM



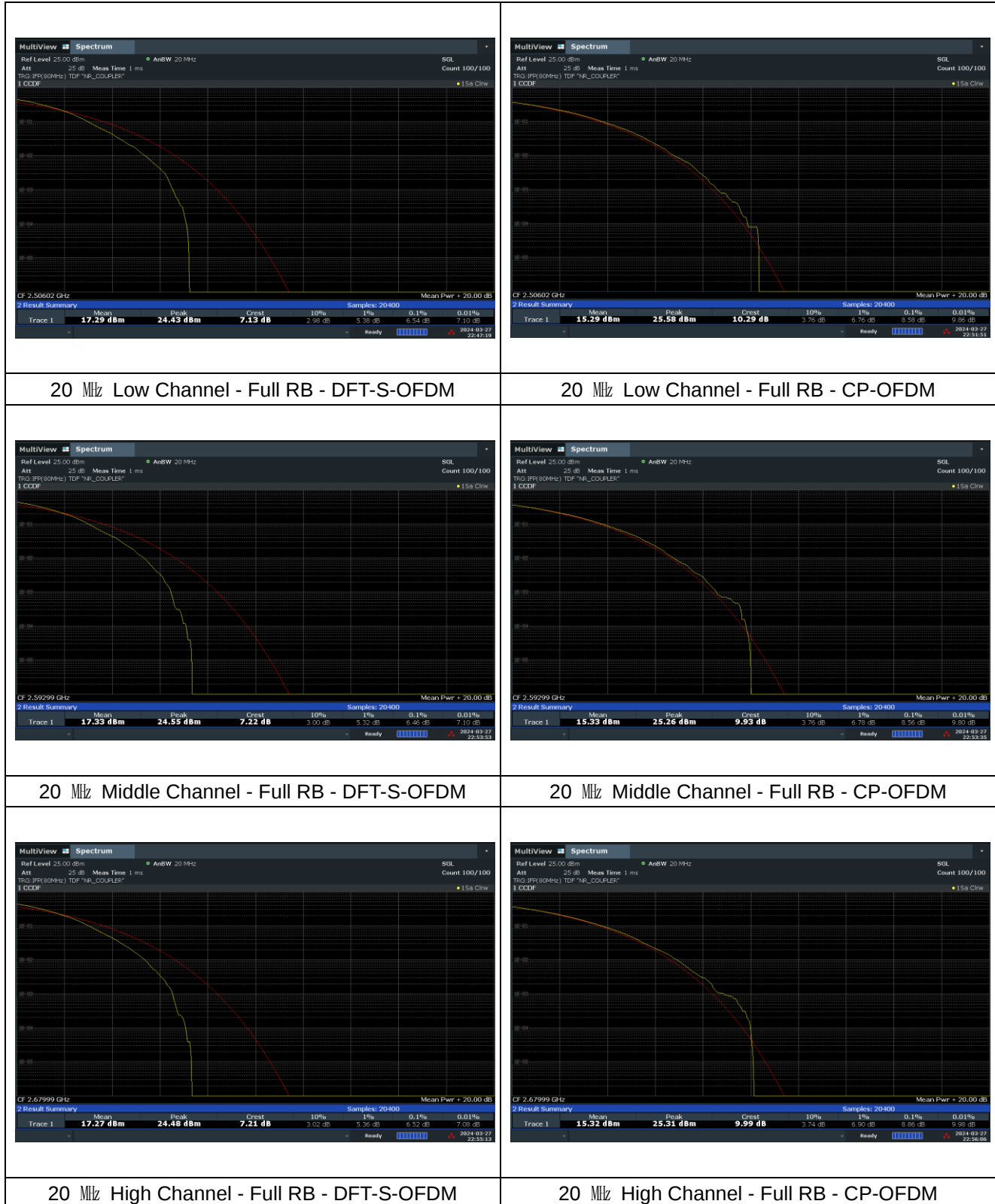
40 MHz Middle Channel - Full RB - CP-OFDM



40 MHz High Channel - Full RB - DFT-S-OFDM

40 MHz High Channel - Full RB - CP-OFDM

NR band 41



NR band 41



30 MHz Low Channel - Full RB - DFT-S-OFDM



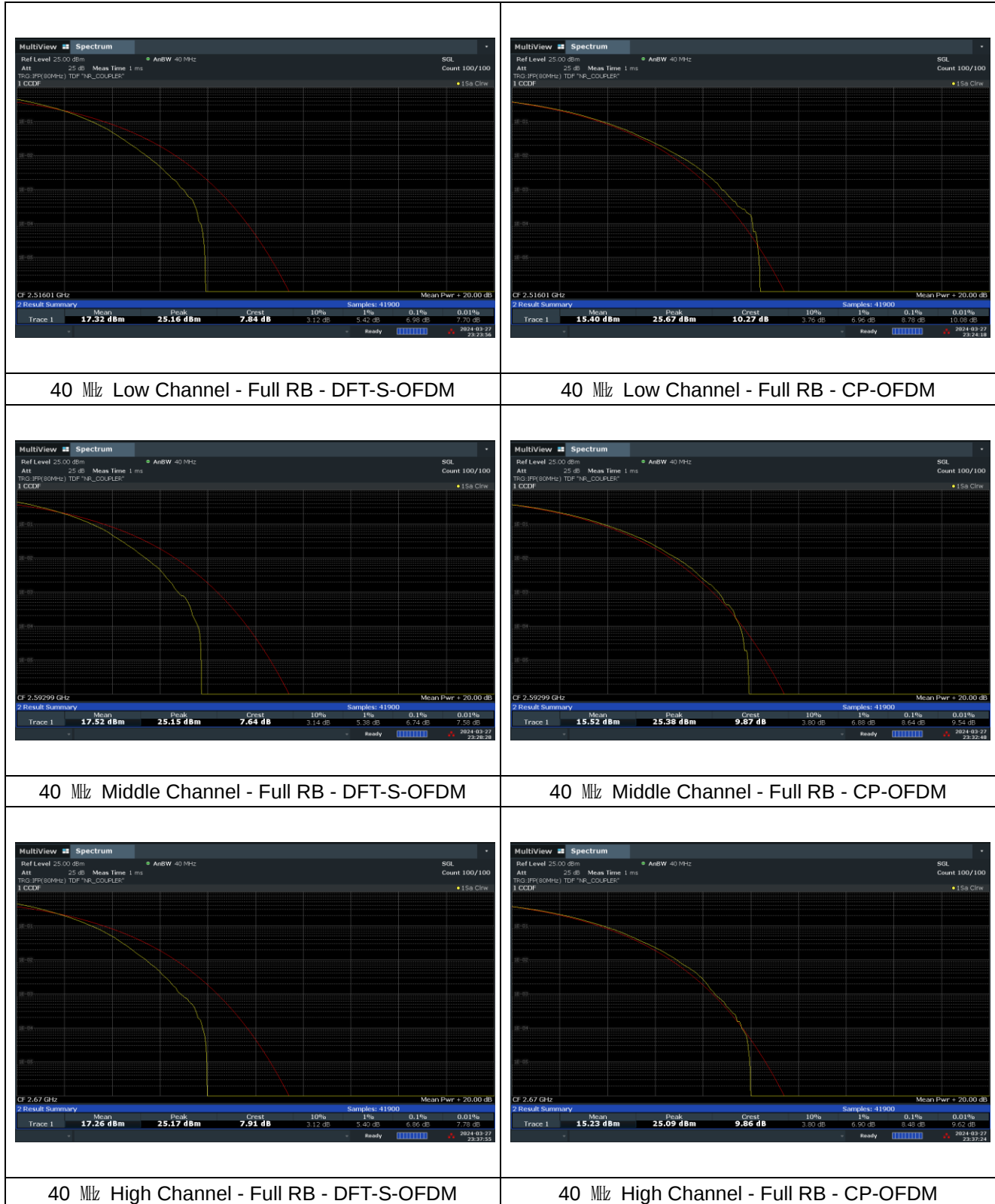
30 MHz Middle Channel - Full RB - DFT-S-OFDM



30 MHz High Channel - Full RB - DFT-S-OFDM

30 MHz High Channel - Full RB - CP-OFDM

NR band 41



NR band 41



50 MHz Low Channel - Full RB - DFT-S-OFDM



50 MHz Middle Channel - Full RB - DFT-S-OFDM



50 MHz High Channel - Full RB - DFT-S-OFDM

50 MHz High Channel - Full RB - CP-OFDM

NR band 41



60 MHz Low Channel - Full RB - DFT-S-OFDM



60 MHz Middle Channel - Full RB - DFT-S-OFDM



60 MHz High Channel - Full RB - DFT-S-OFDM

60 MHz High Channel - Full RB - CP-OFDM

NR band 41



70 MHz Low Channel - Full RB - DFT-S-OFDM



70 MHz Middle Channel - Full RB - DFT-S-OFDM



70 MHz High Channel - Full RB - DFT-S-OFDM

70 MHz High Channel - Full RB - CP-OFDM

NR band 41



80 MHz Low Channel - Full RB - DFT-S-OFDM



80 MHz Low Channel - Full RB - CP-OFDM



80 MHz Middle Channel - Full RB - DFT-S-OFDM



80 MHz Middle Channel - Full RB - CP-OFDM



80 MHz High Channel - Full RB - DFT-S-OFDM



80 MHz High Channel - Full RB - CP-OFDM