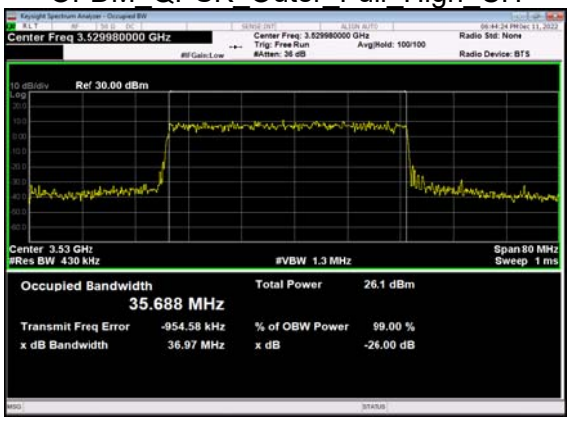
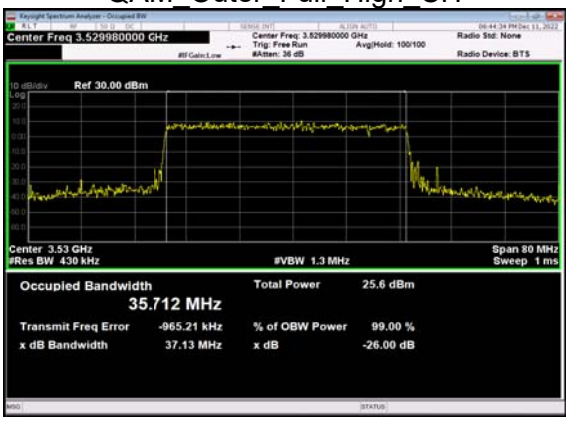
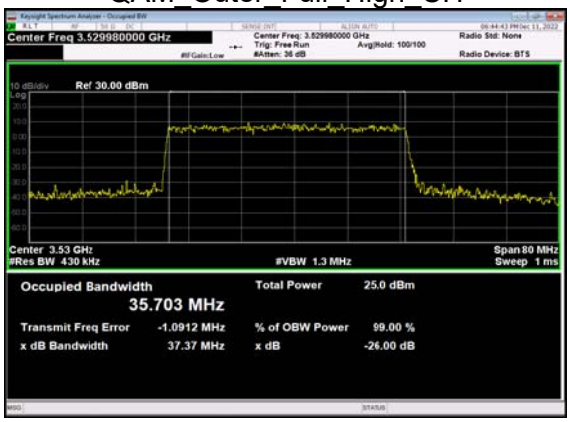
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



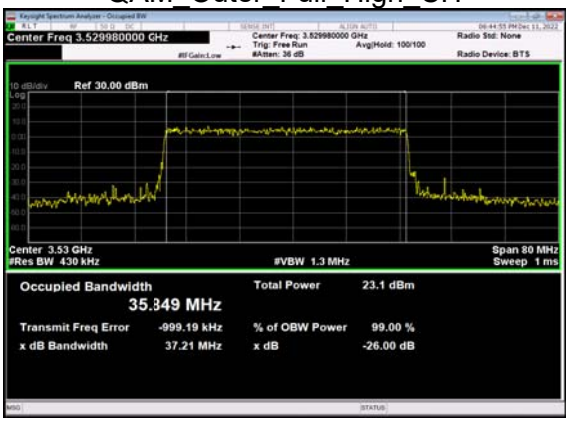
N77(40M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



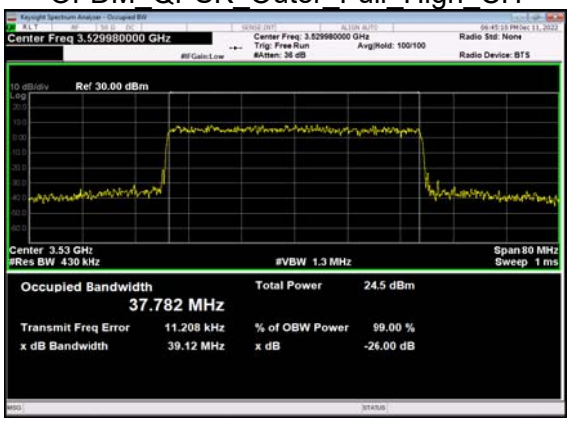
N77(40M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



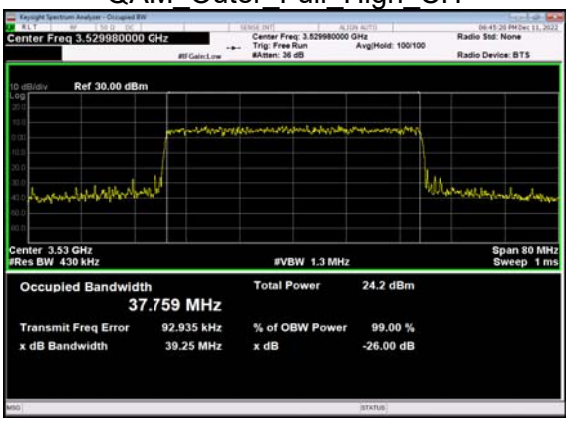
N77(40M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



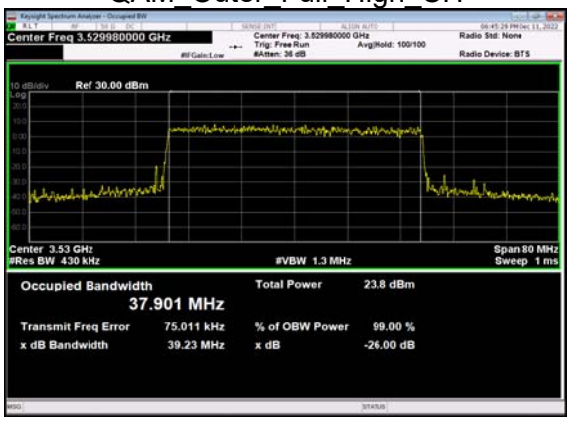
N77(40M)_CP-OFDM_QPSK_Outer_Full_High_CH



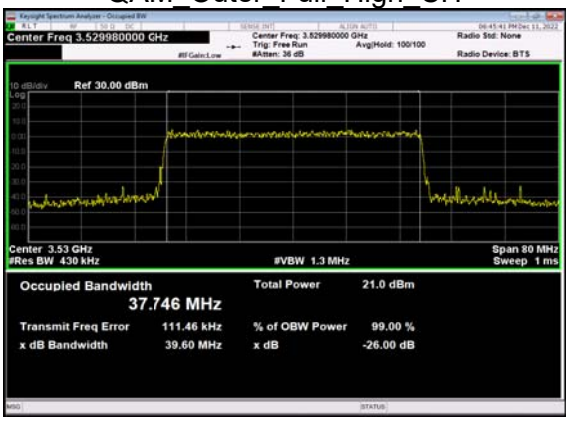
N77(40M)_CP-OFDM_16QAM_Outer_Full_High_CH



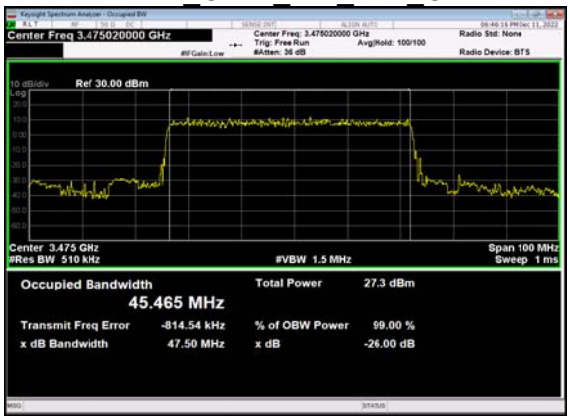
N77(40M)_CP-OFDM_64 QAM_Outer_Full_High_CH



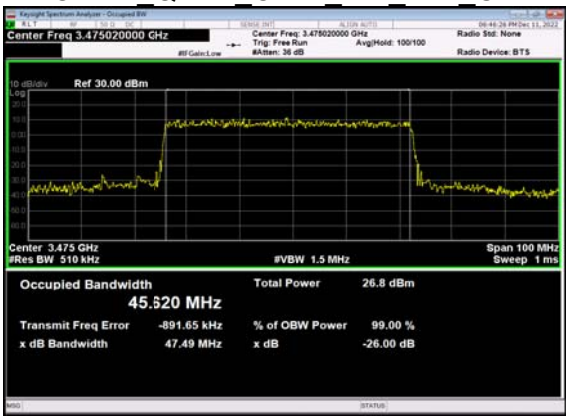
N77(40M)_CP-OFDM_256 QAM_Outer_Full_High_CH



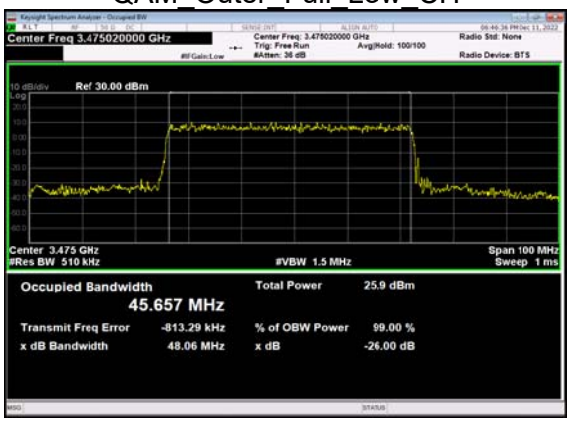
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



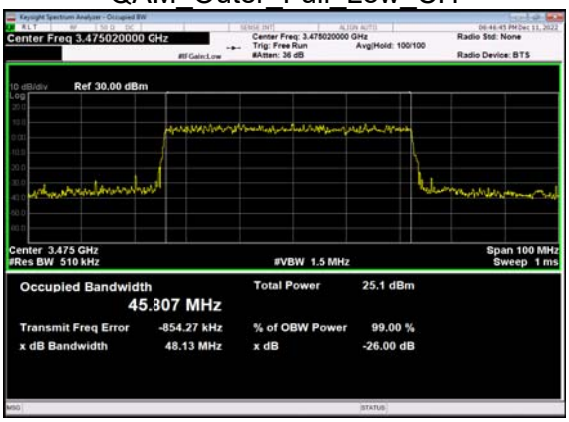
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



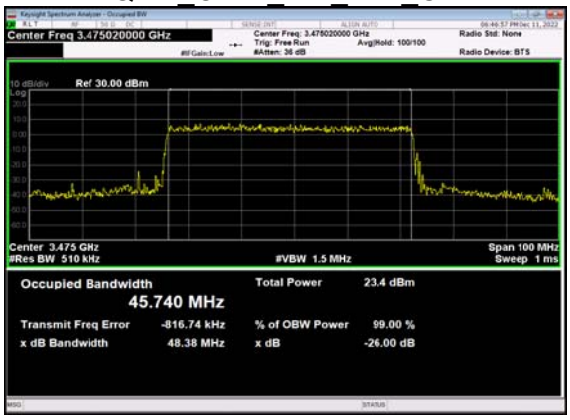
N77(50M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH



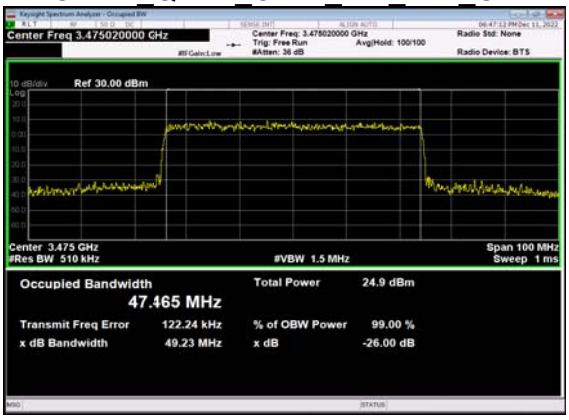
N77(50M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH



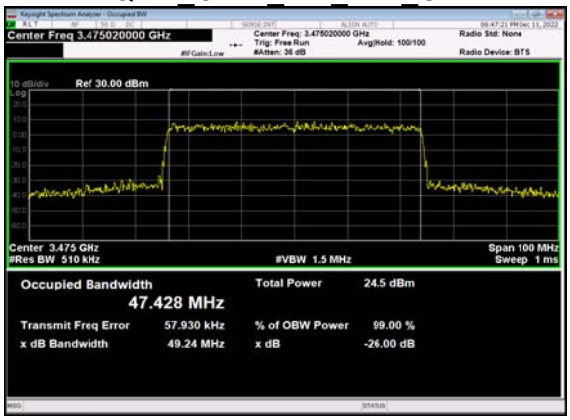
N77(50M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH



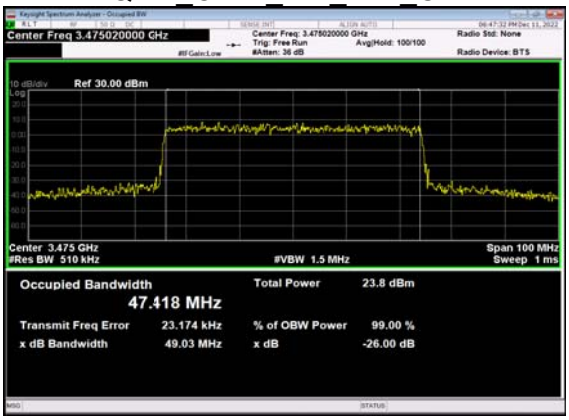
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



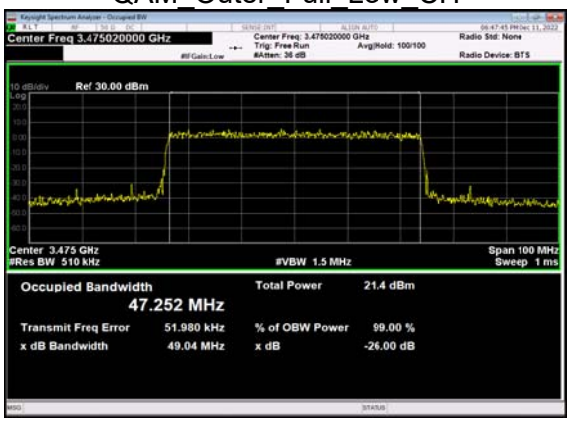
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



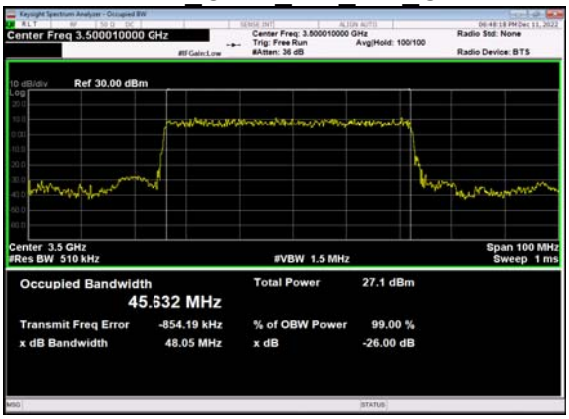
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Low_CH



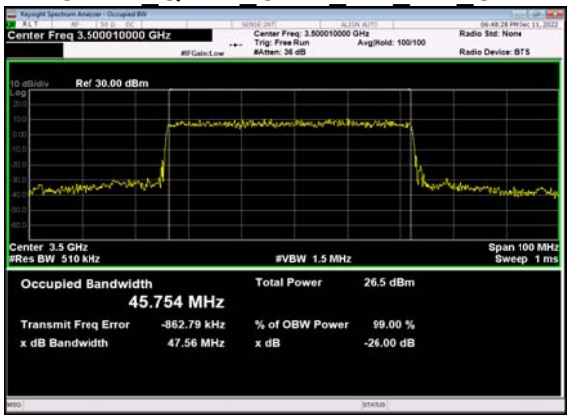
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Low_CH



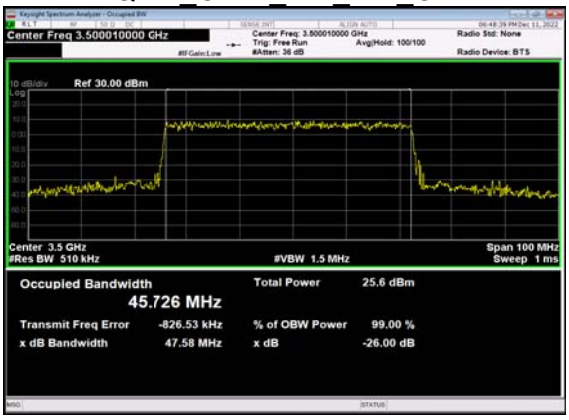
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



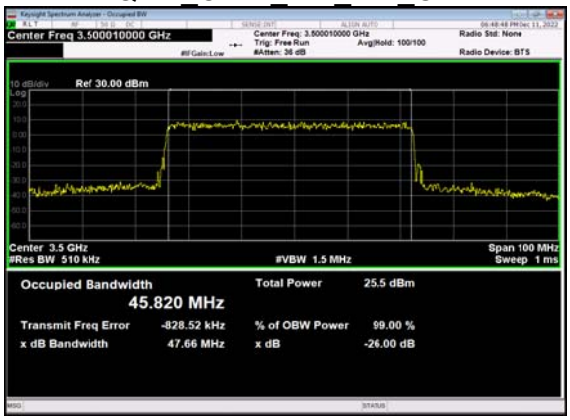
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(50M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

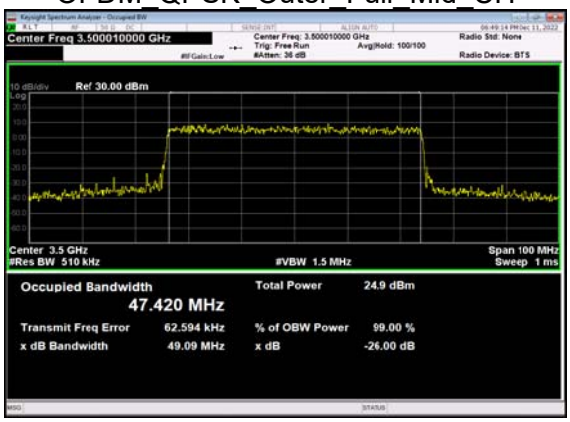


N77(50M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

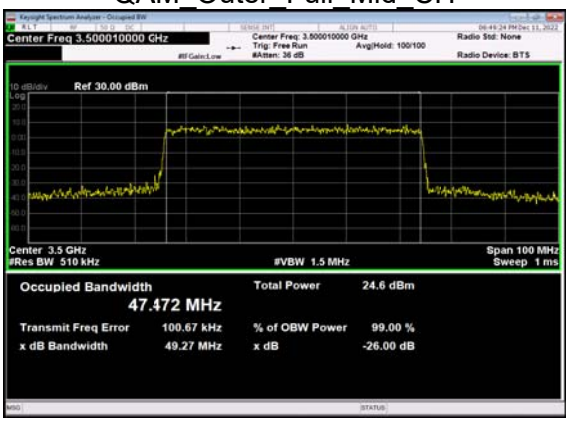


N77(50M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH

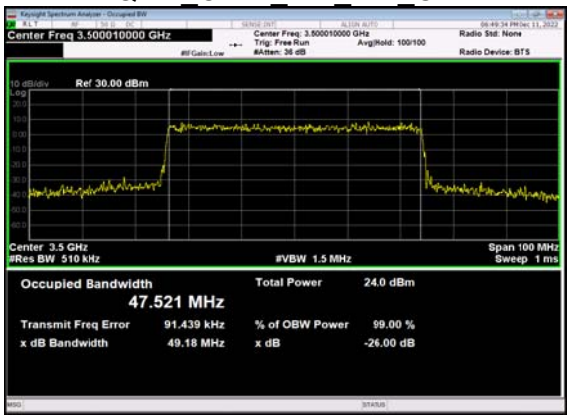
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



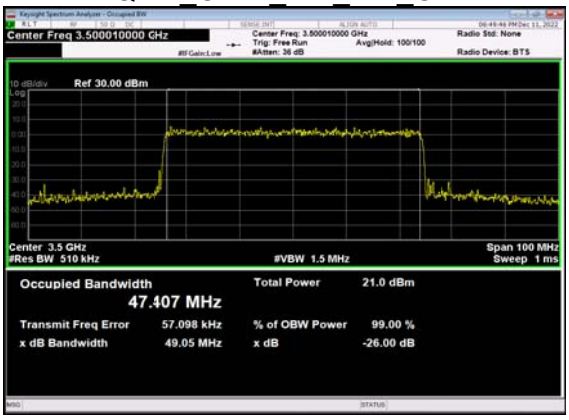
N77(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



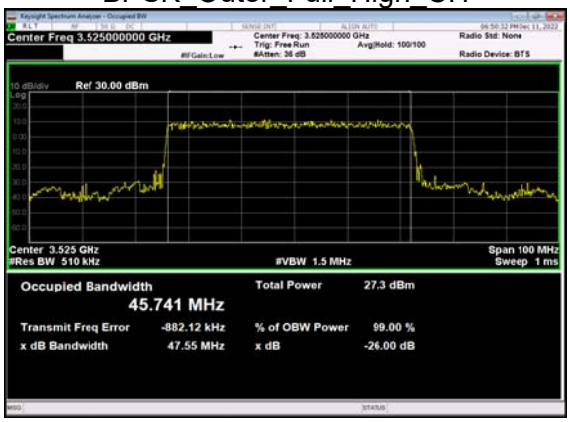
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



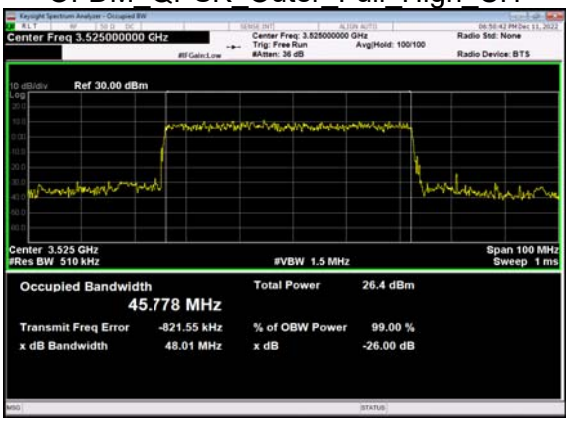
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



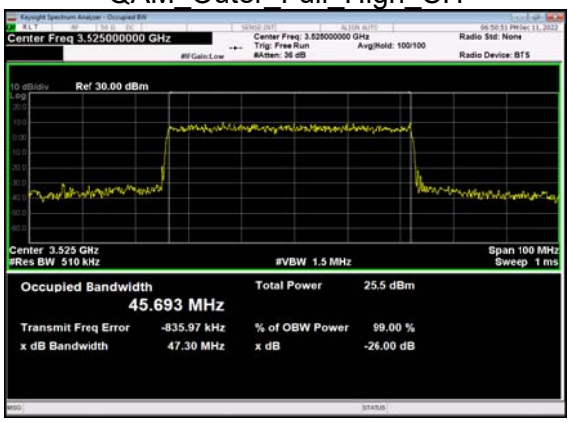
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



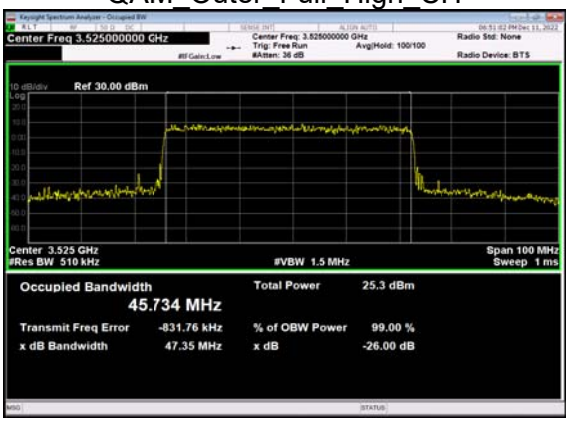
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



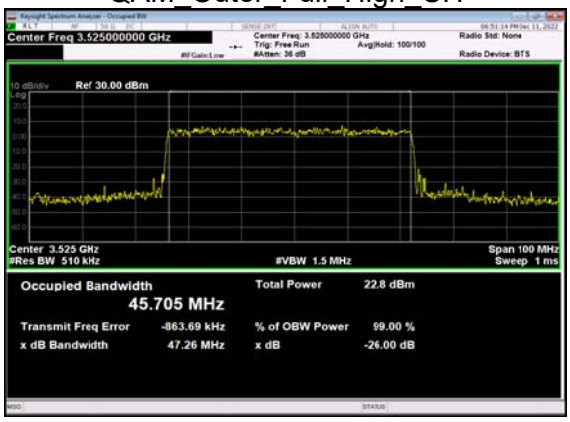
N77(50M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH



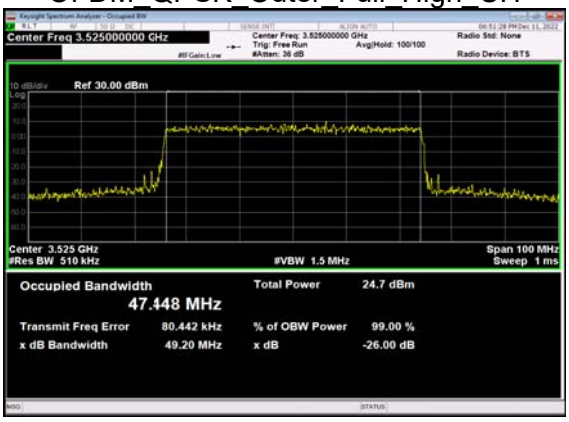
N77(50M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH



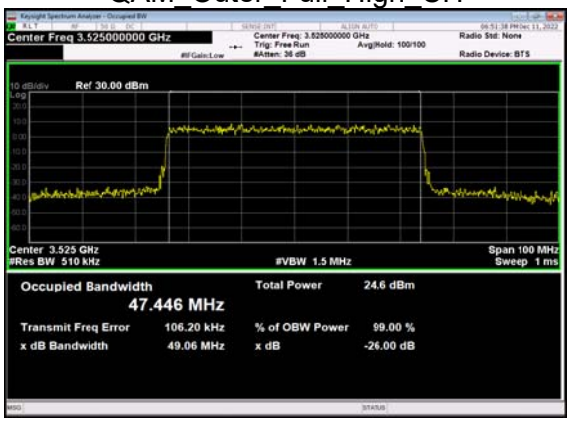
N77(50M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH



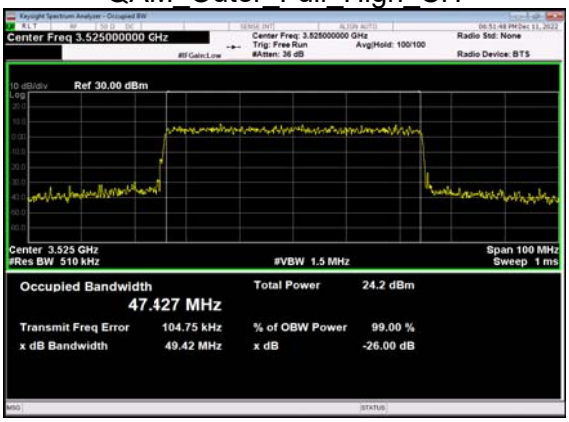
N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



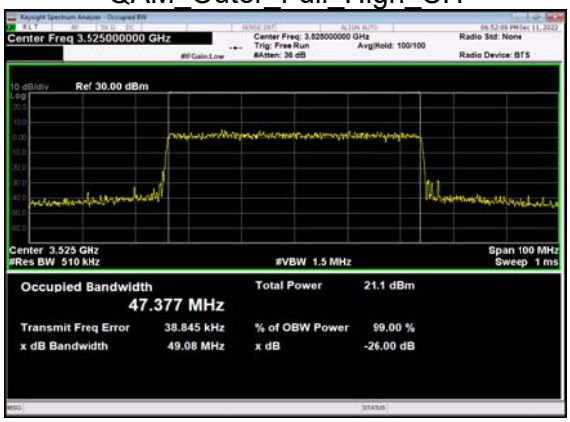
N77(50M)_CP-OFDM_16 QAM_Outer_Full_High_CH



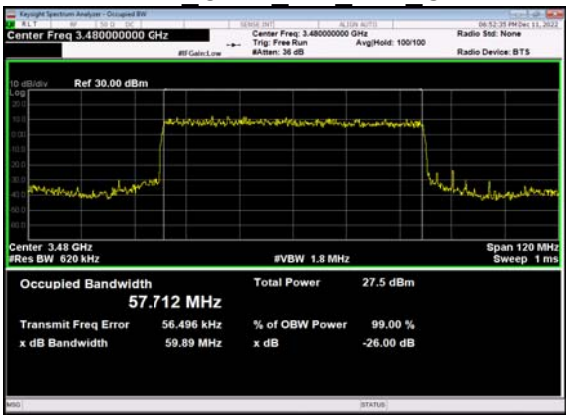
N77(50M)_CP-OFDM_64 QAM_Outer_Full_High_CH



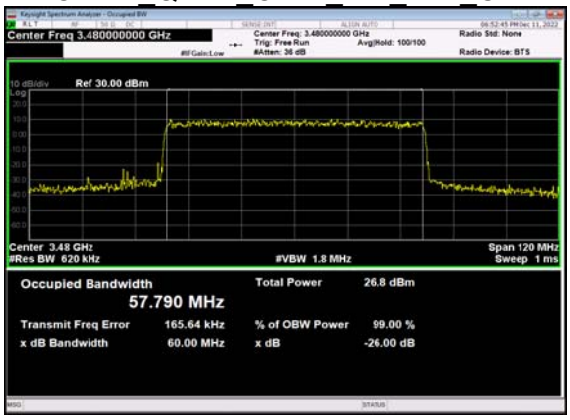
N77(50M)_CP-OFDM_256 QAM_Outer_Full_High_CH



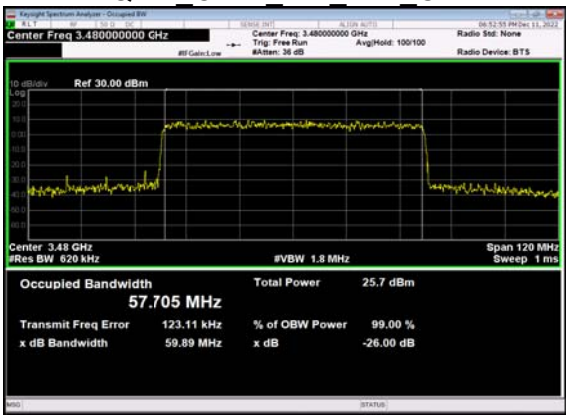
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



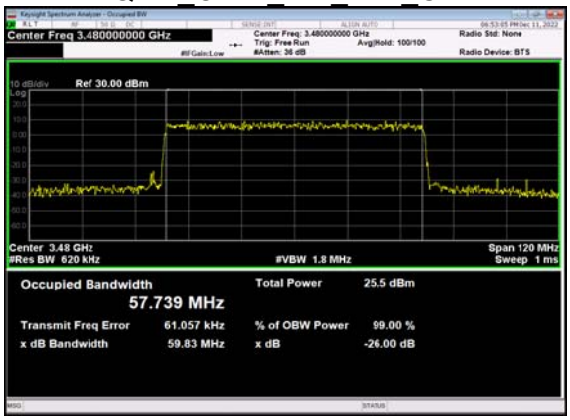
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



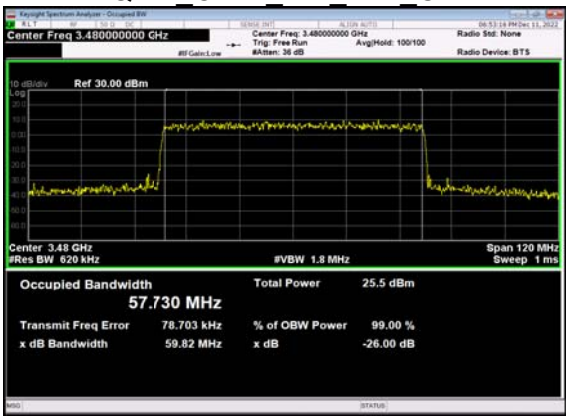
N77(60M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



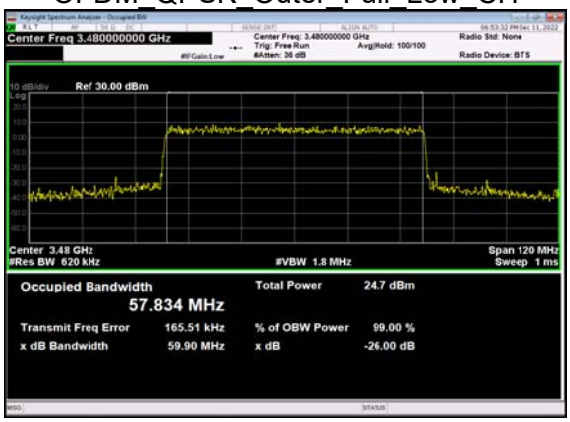
N77(60M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



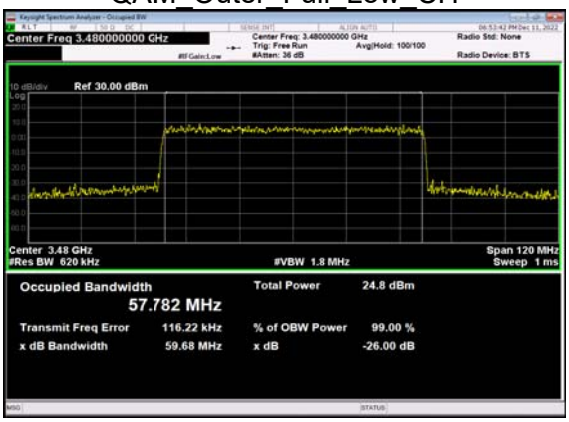
N77(60M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



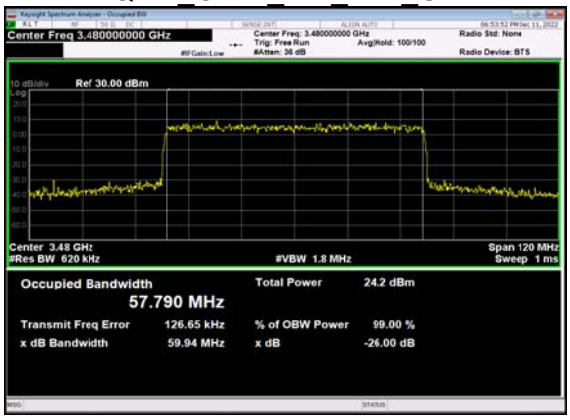
N77(60M)_CP-OFDM_QPSK_Outer_Full_Low_CH



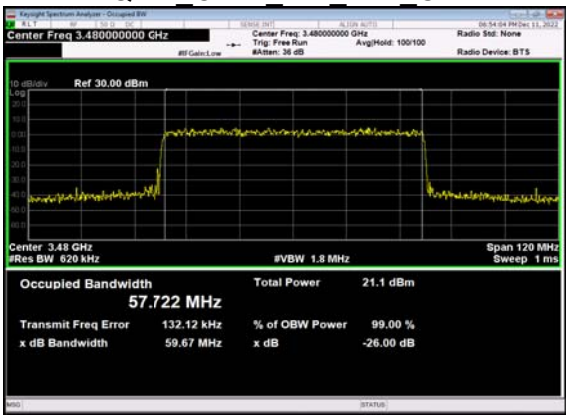
N77(60M)_CP-OFDM_16QAM_Outer_Full_Low_CH



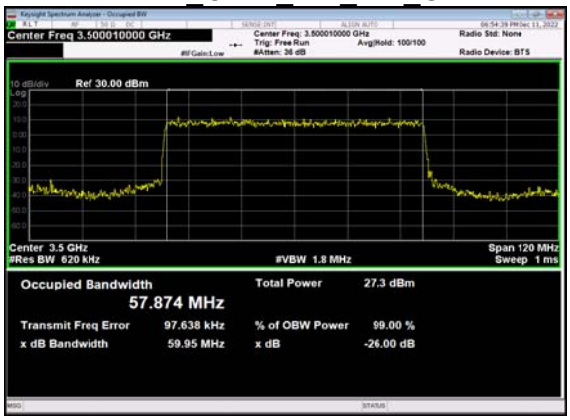
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Low_CH



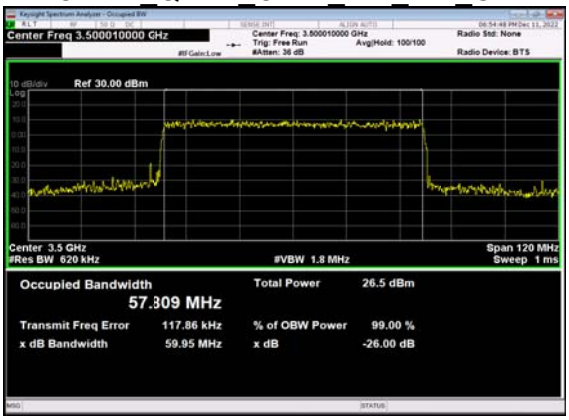
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Low_CH



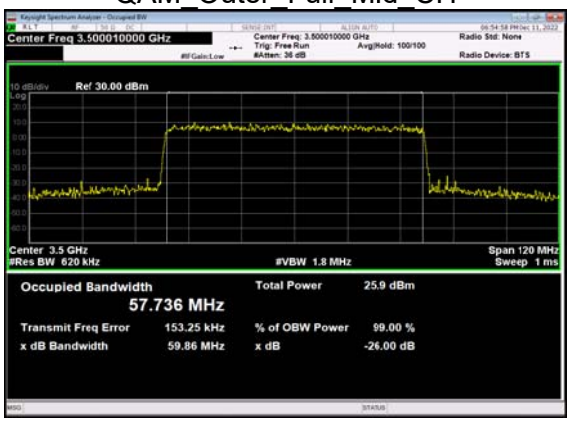
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



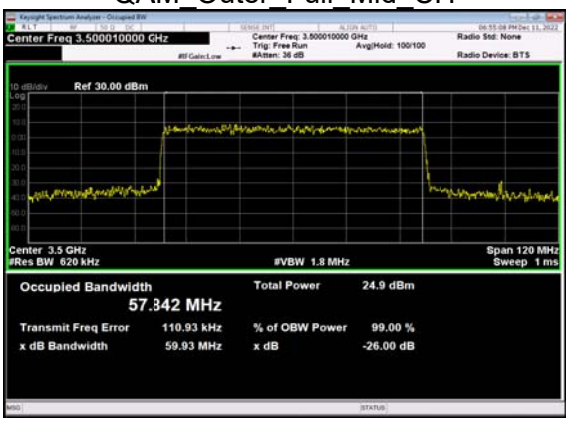
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



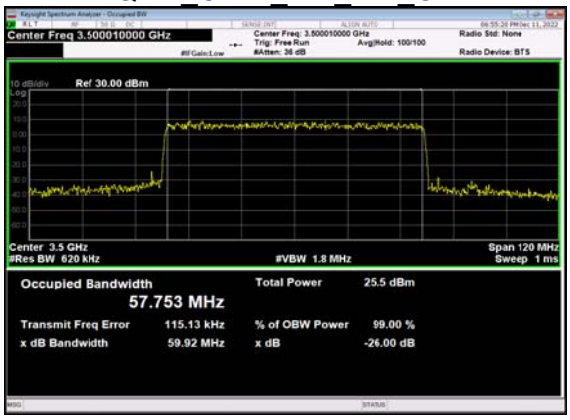
N77(60M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH



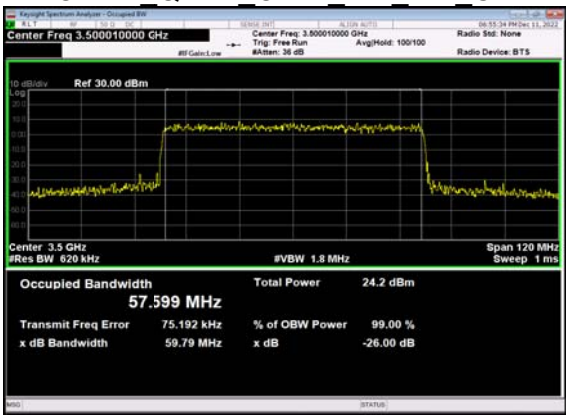
N77(60M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH



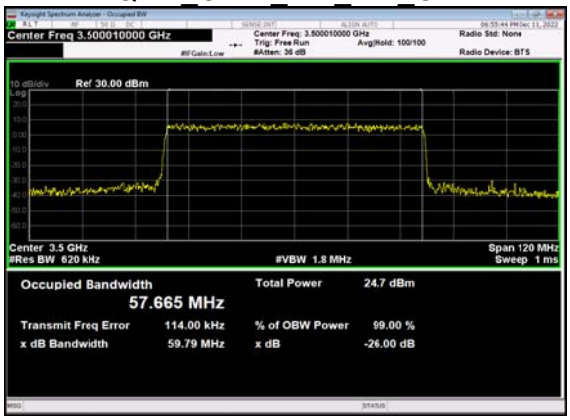
N77(60M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



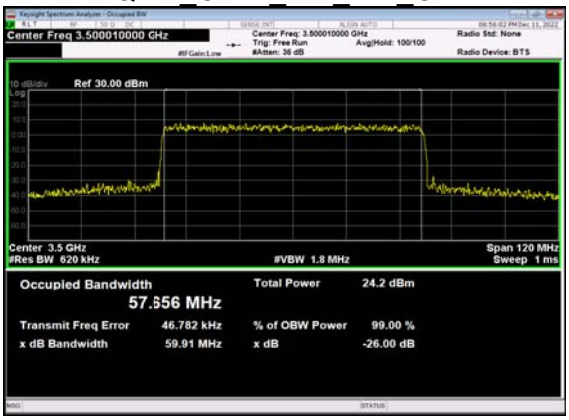
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



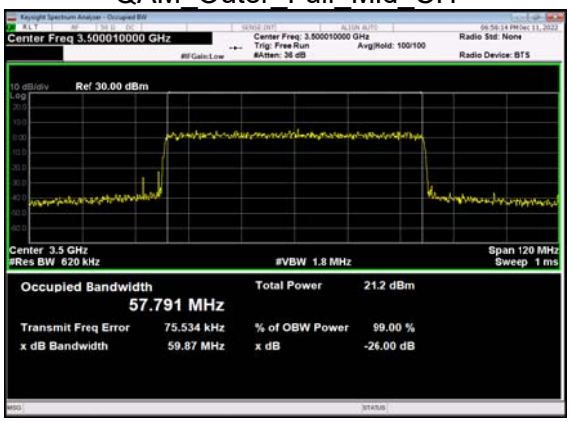
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



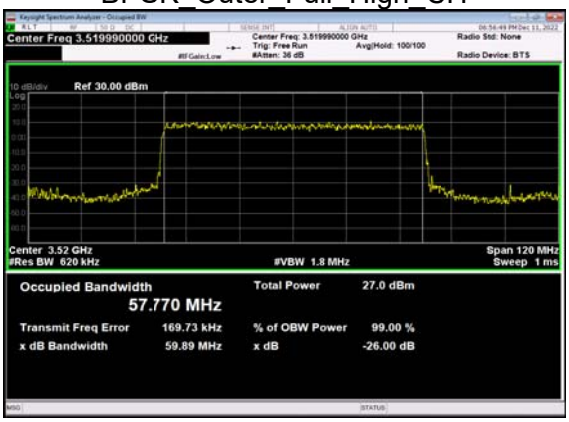
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



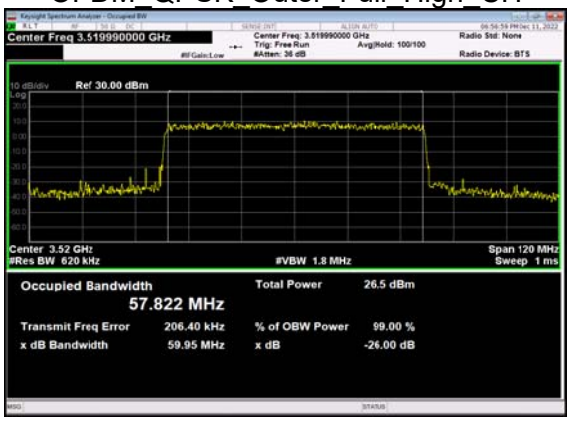
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



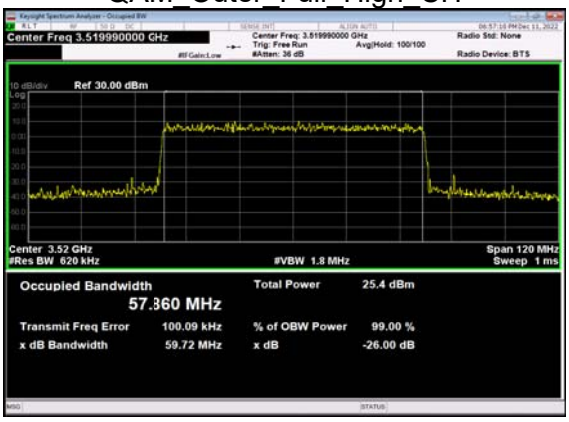
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



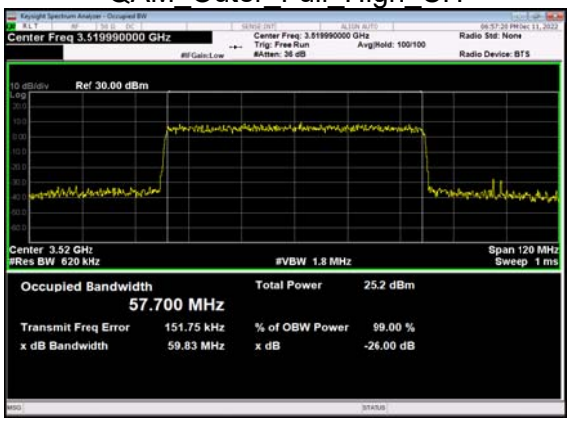
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



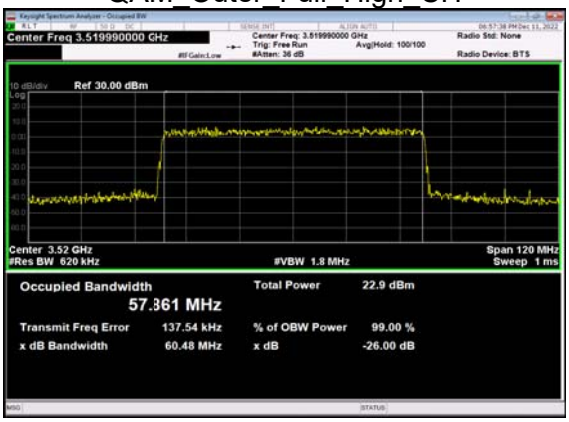
N77(60M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



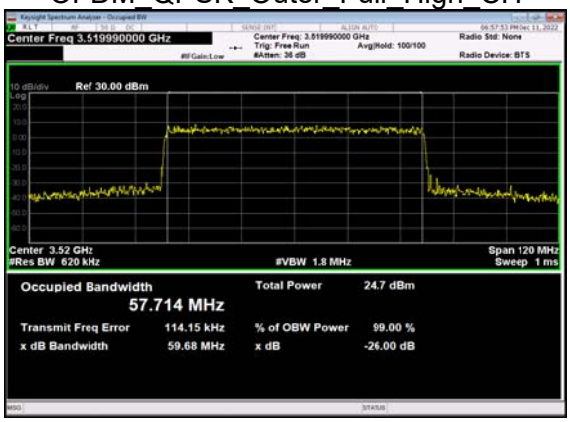
N77(60M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



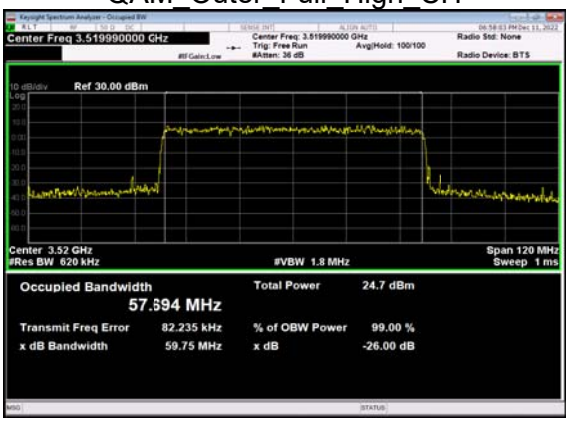
N77(60M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



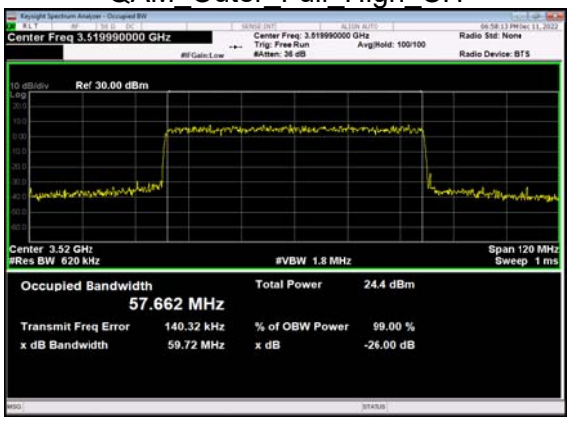
N77(60M)_CP-OFDM_QPSK_Outer_Full_High_CH



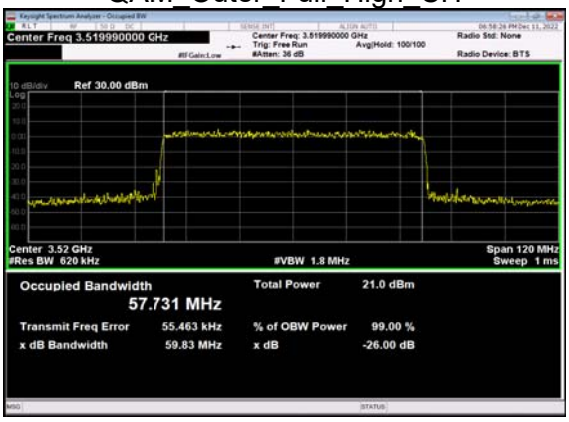
N77(60M)_CP-OFDM_16QAM_Outer_Full_High_CH



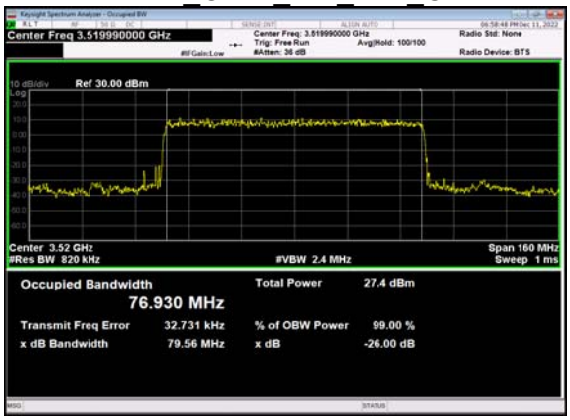
N77(60M)_CP-OFDM_64 QAM_Outer_Full_High_CH



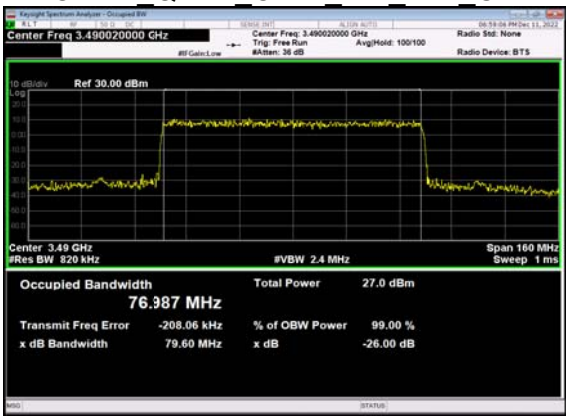
N77(60M)_CP-OFDM_256 QAM_Outer_Full_High_CH



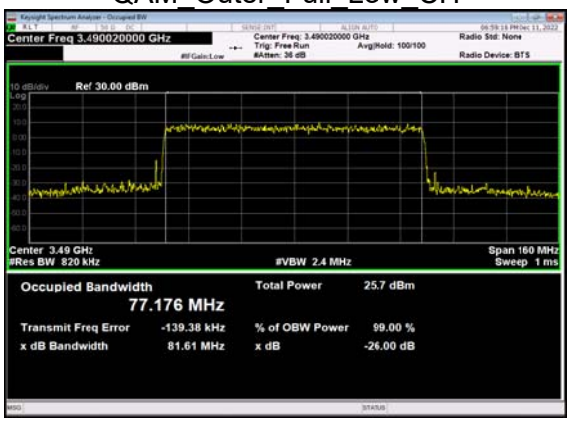
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



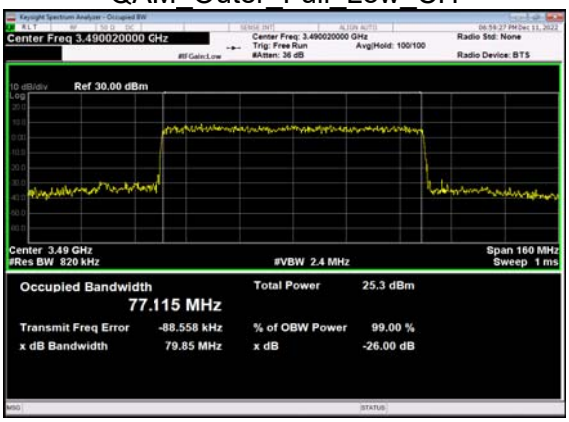
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



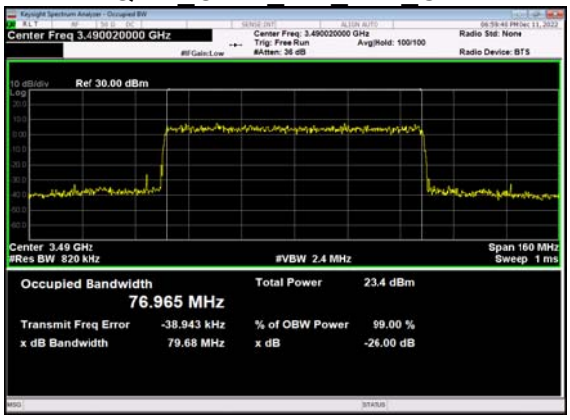
N77(80M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH



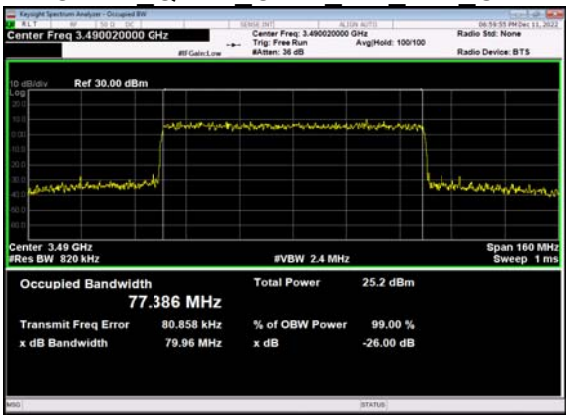
N77(80M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH



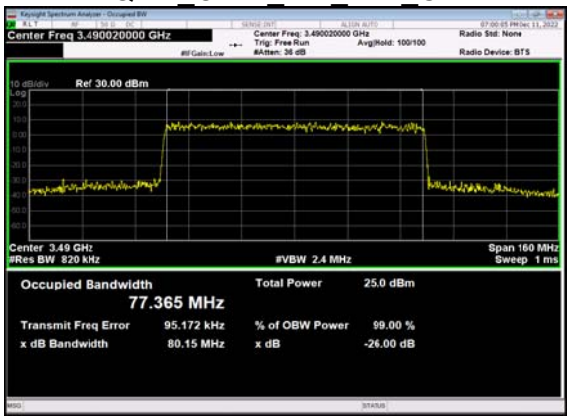
N77(80M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH



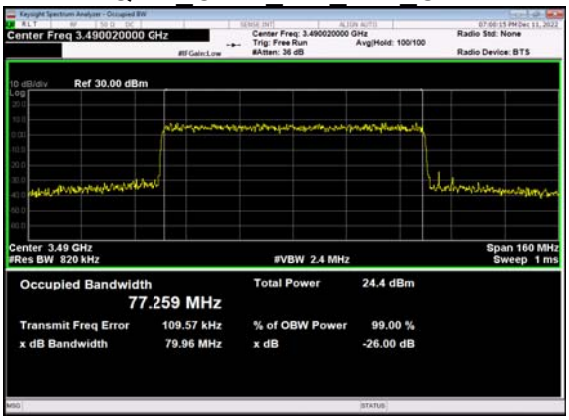
N77(80M)_CP-OFDM_QPSK_Outer_Full_Low_CH



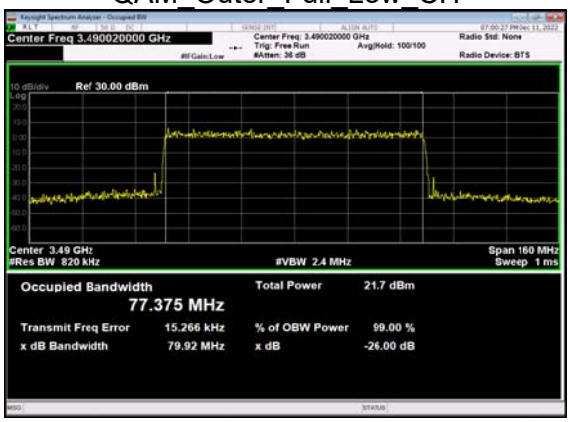
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



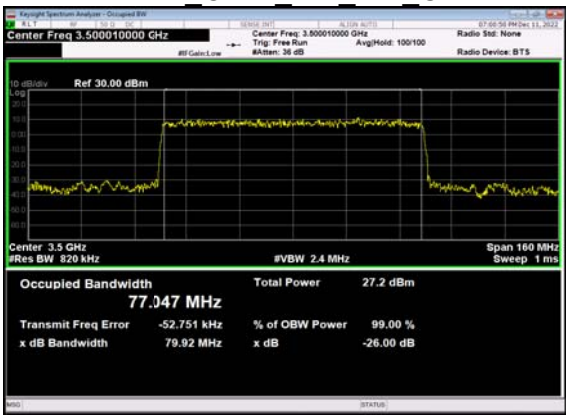
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Low_CH



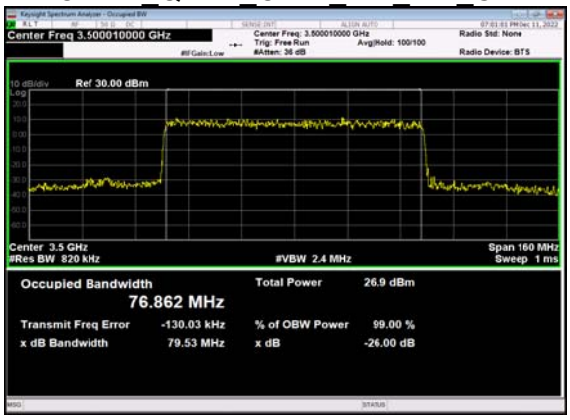
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Low_CH



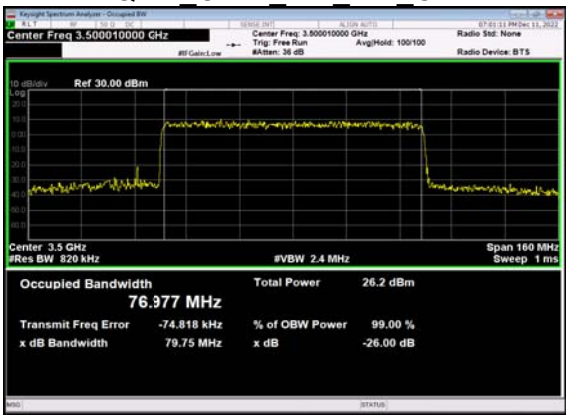
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



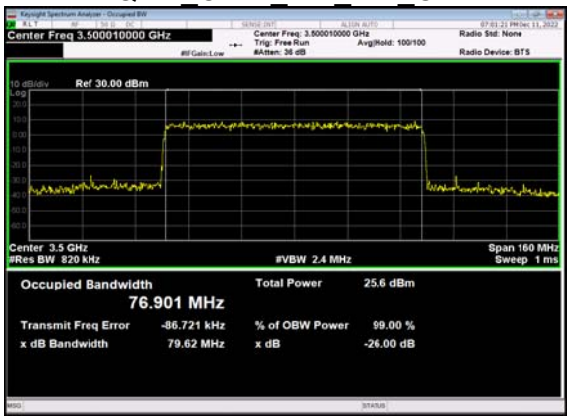
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



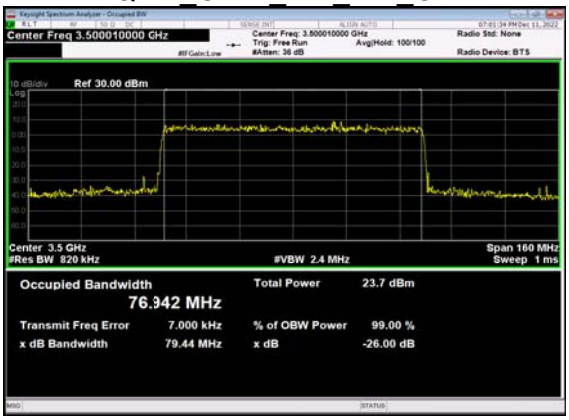
N77(80M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH



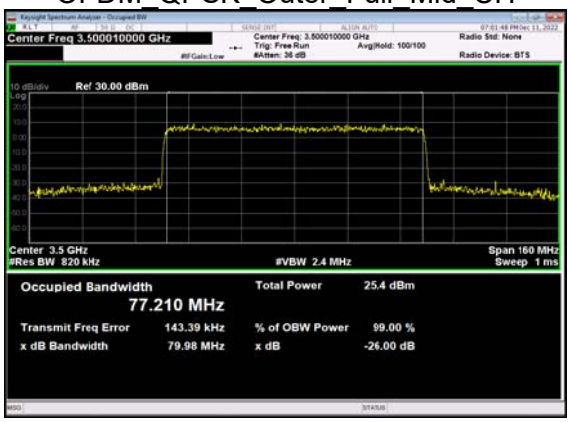
N77(80M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH



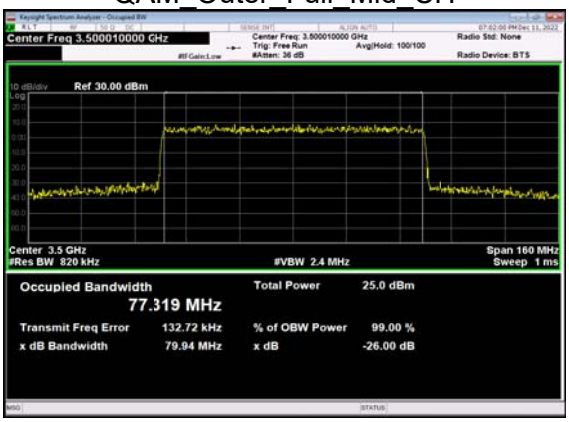
N77(80M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



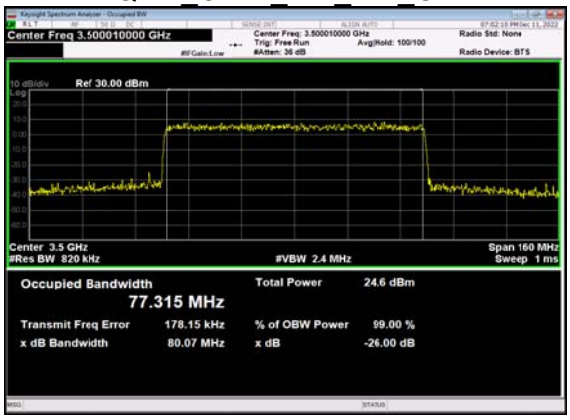
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



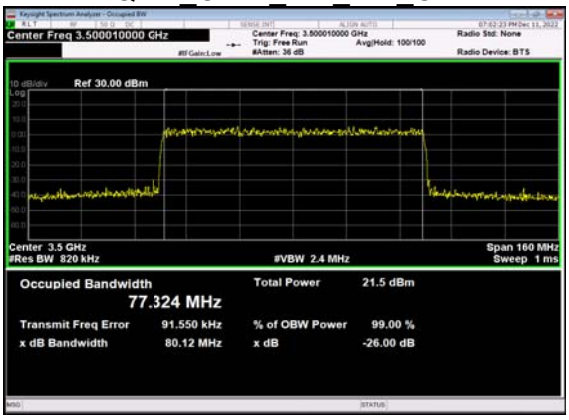
N77(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



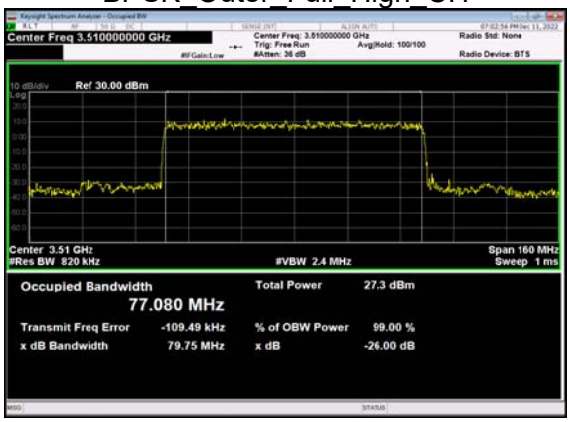
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



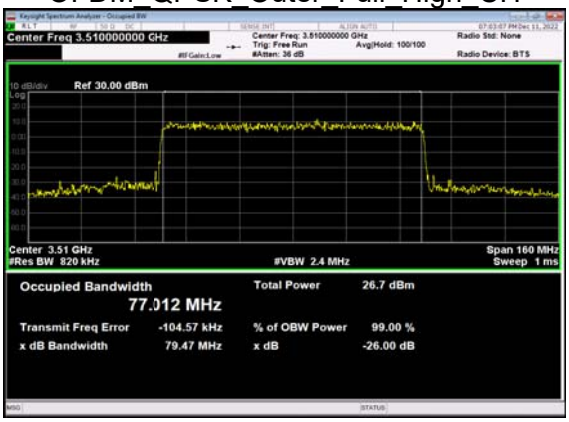
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



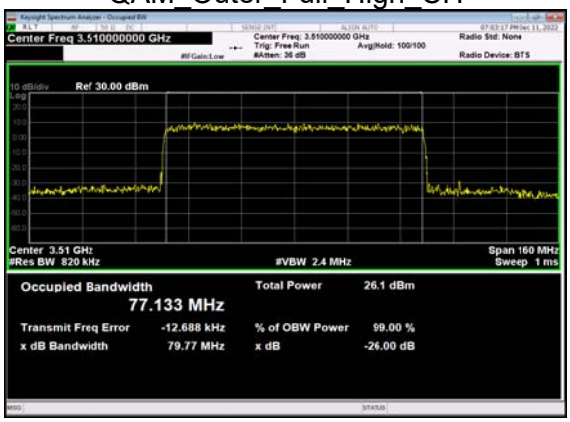
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



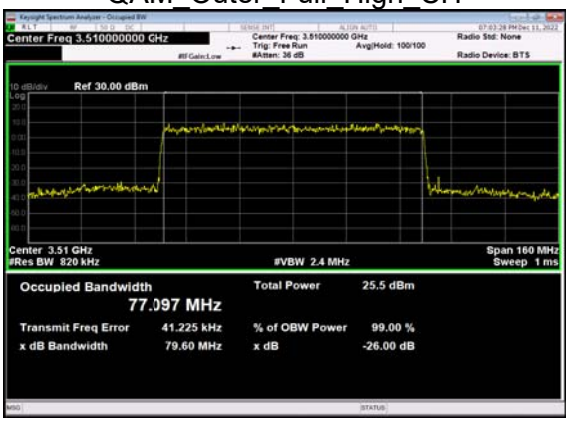
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



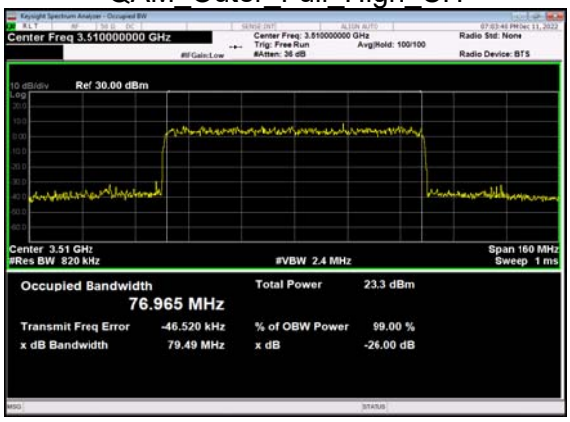
N77(80M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH



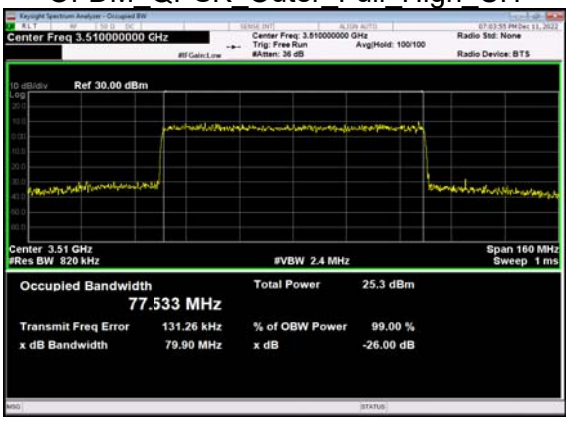
N77(80M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH



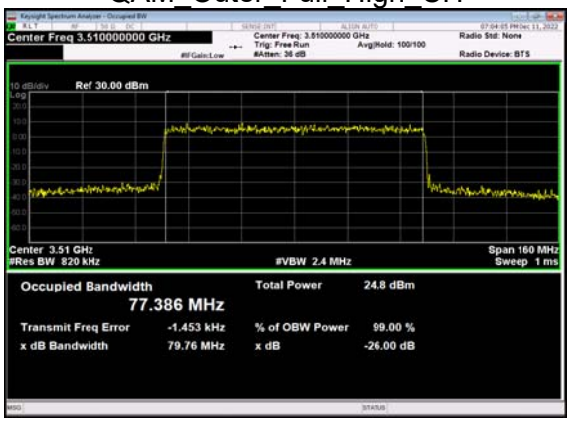
N77(80M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH



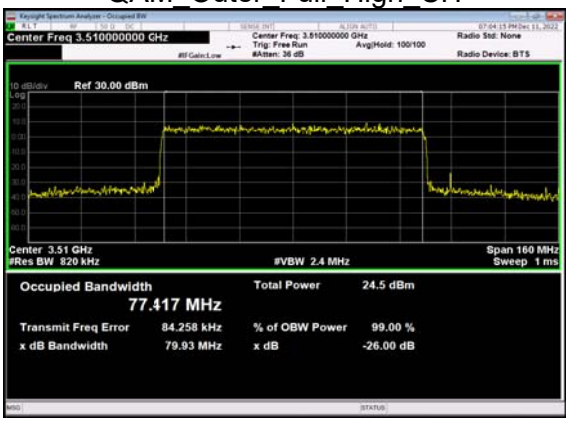
N77(80M)_CP-OFDM_QPSK_Outer_Full_High_CH



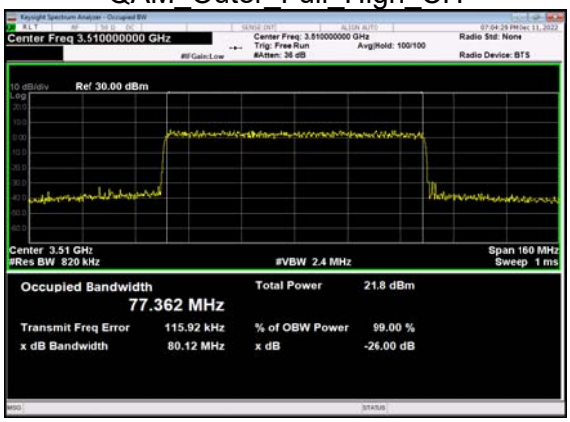
N77(80M)_CP-OFDM_16 QAM_Outer_Full_High_CH



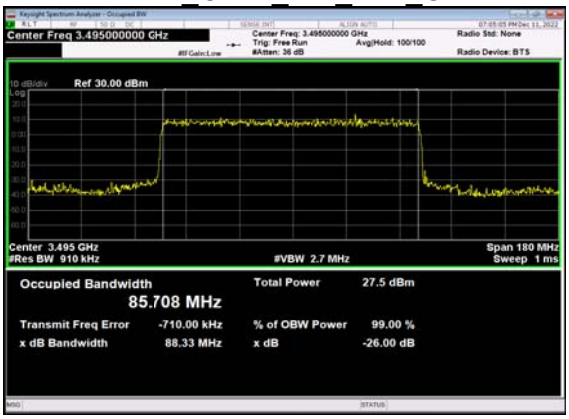
N77(80M)_CP-OFDM_64 QAM_Outer_Full_High_CH



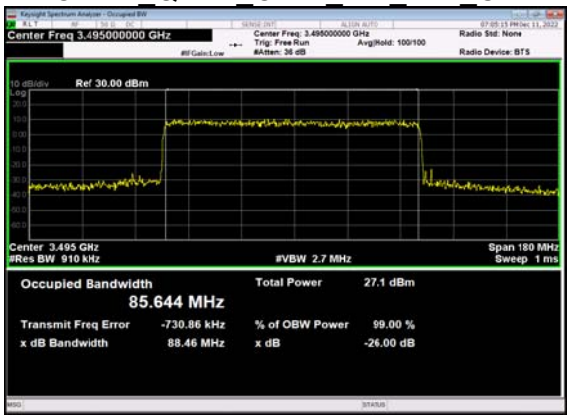
N77(80M)_CP-OFDM_256 QAM_Outer_Full_High_CH



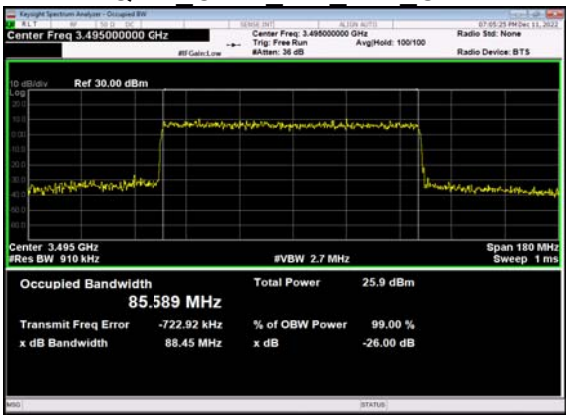
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



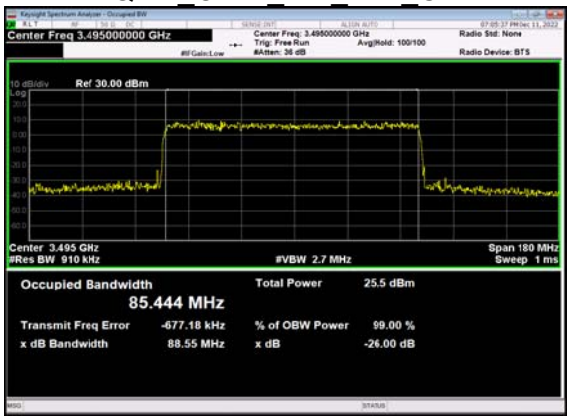
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



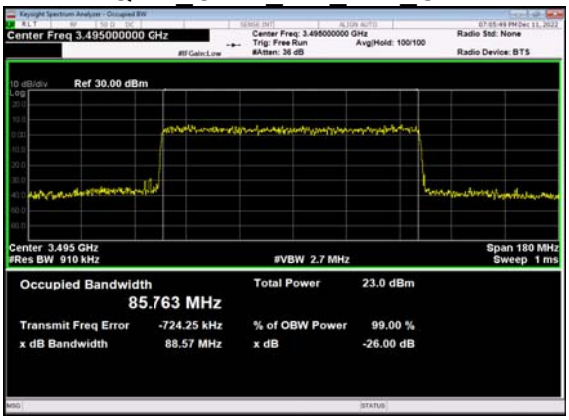
N77(90M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



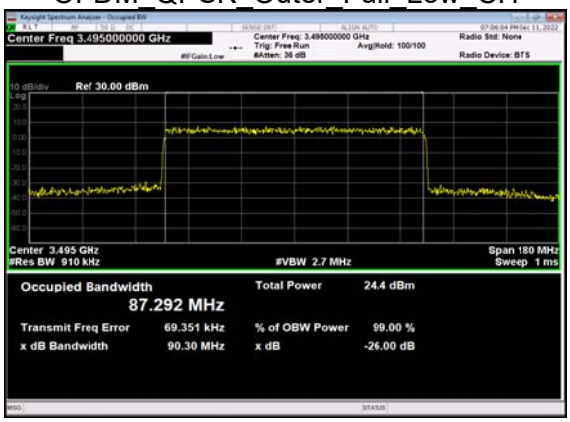
N77(90M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



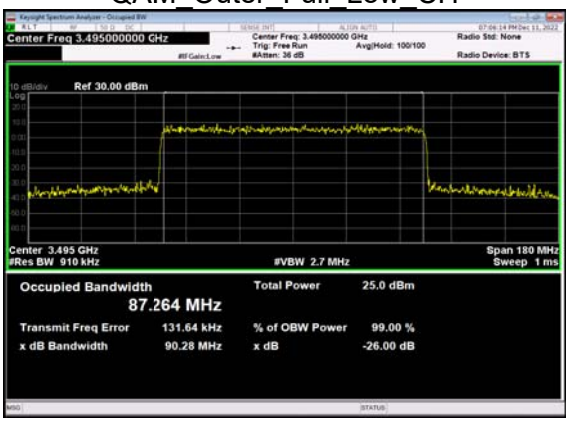
N77(90M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



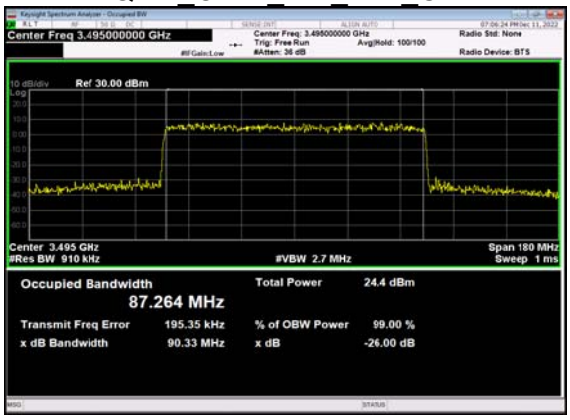
N77(90M)_CP-OFDM_QPSK_Outer_Full_Low_CH



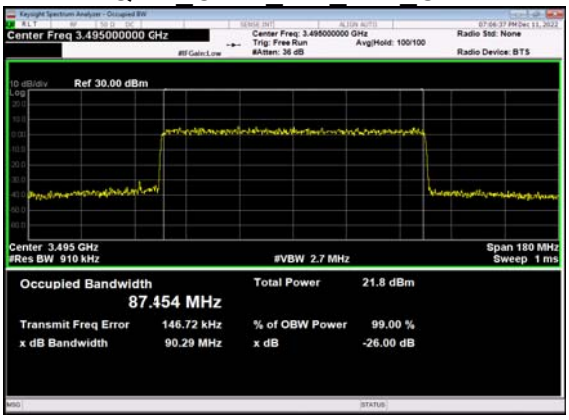
N77(90M)_CP-OFDM_16QAM_Outer_Full_Low_CH



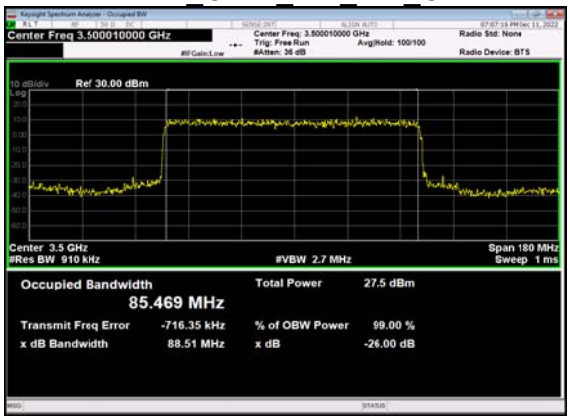
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Low_CH



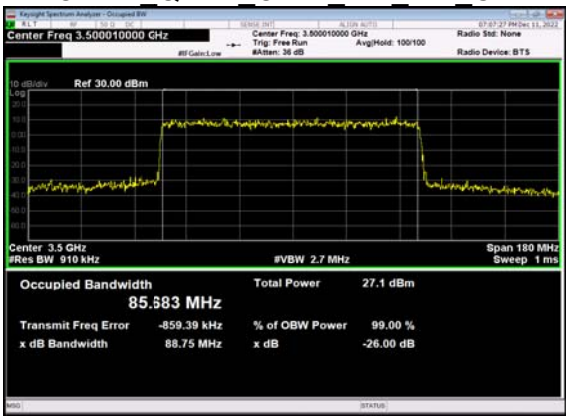
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Low_CH



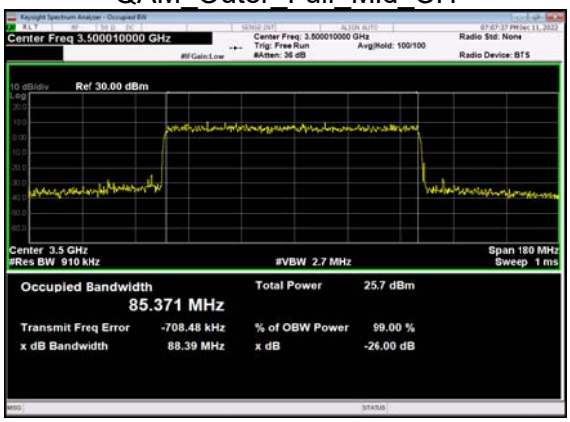
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



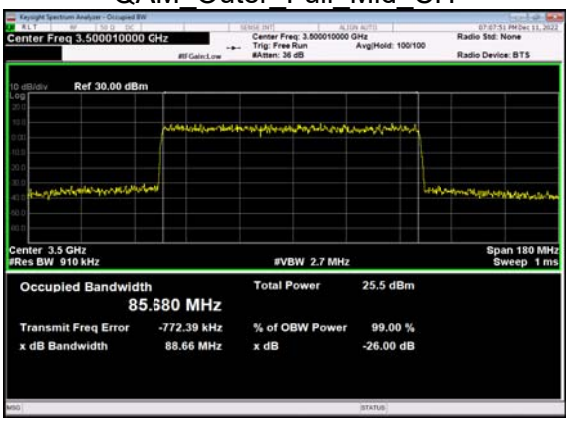
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



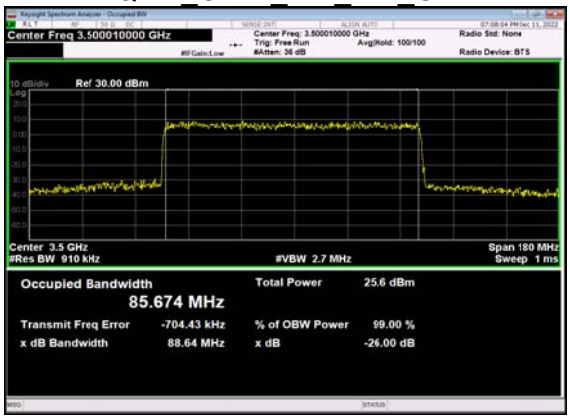
N77(90M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH



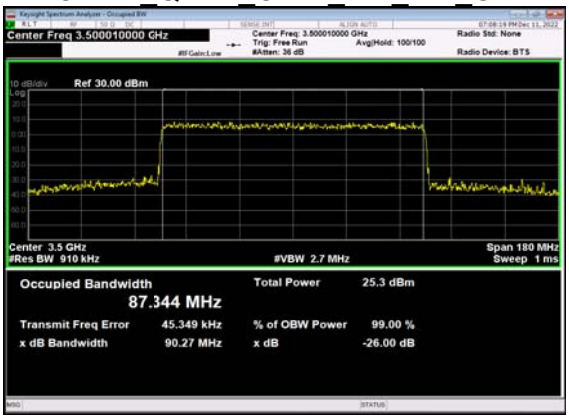
N77(90M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH



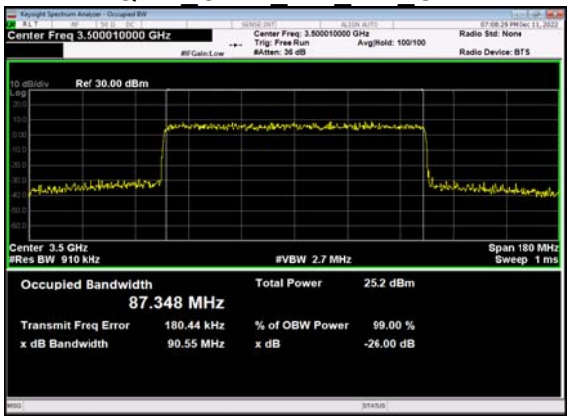
N77(90M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



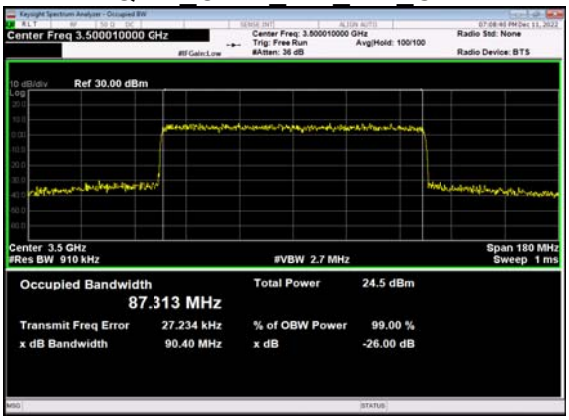
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



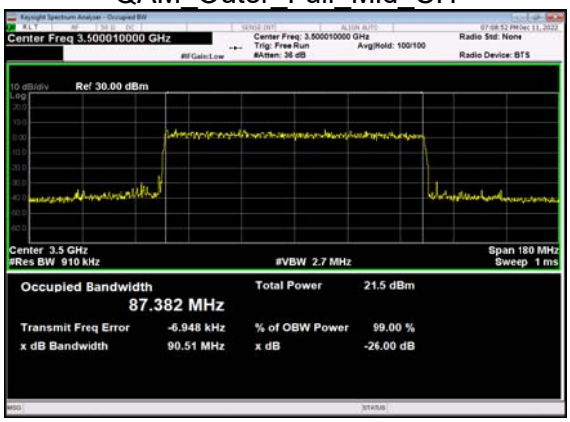
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



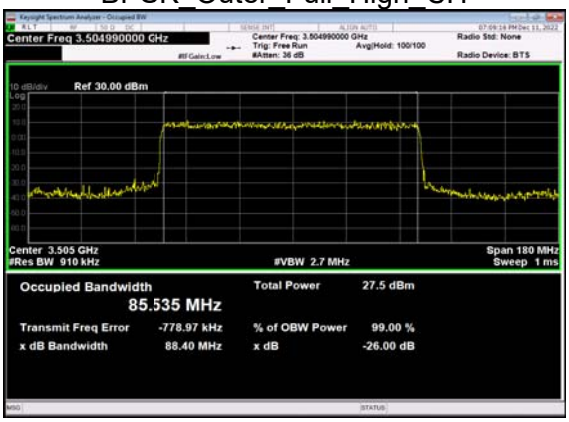
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



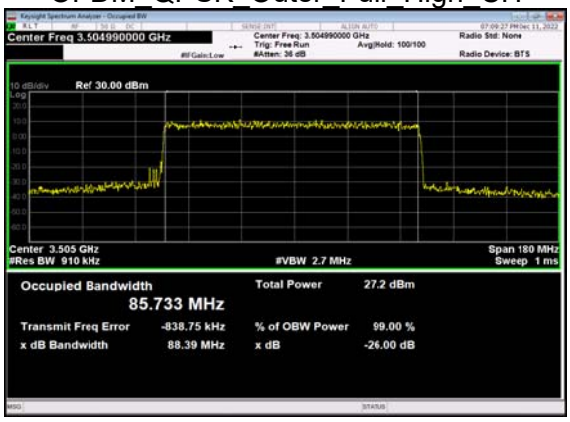
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



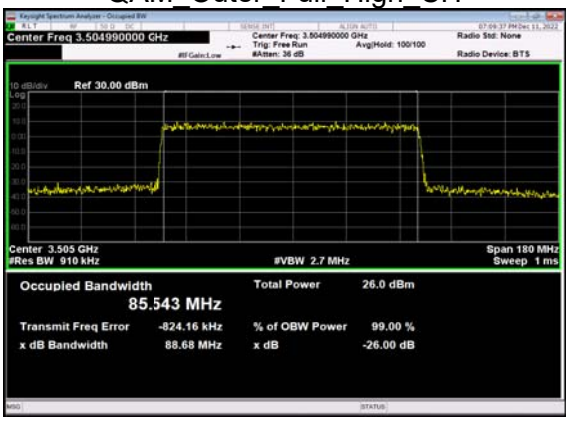
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



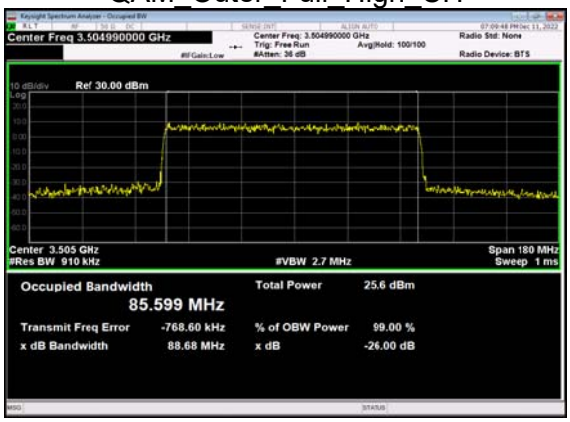
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



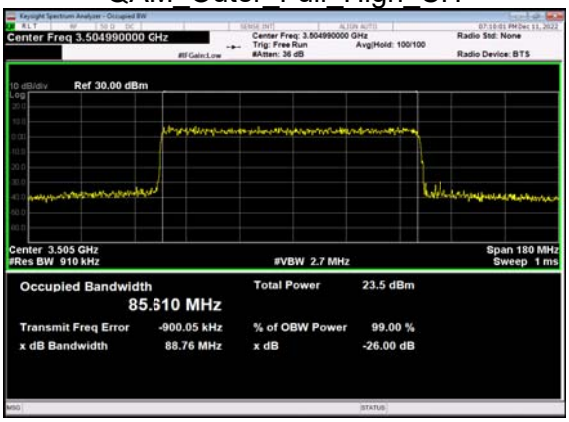
N77(90M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



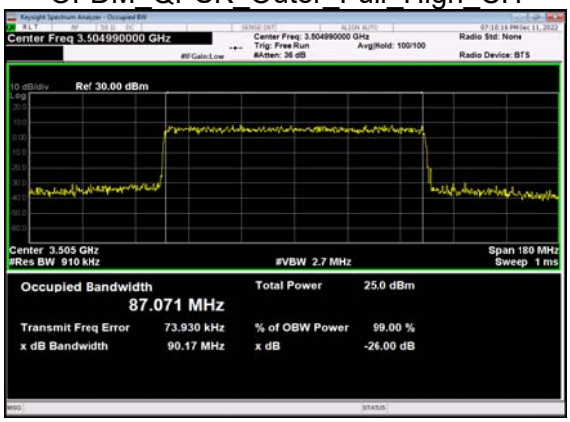
N77(90M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



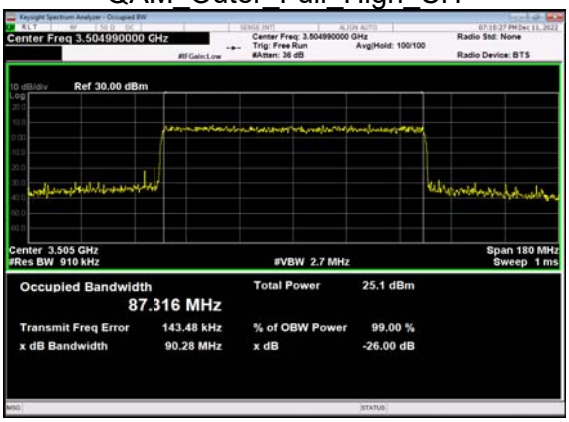
N77(90M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



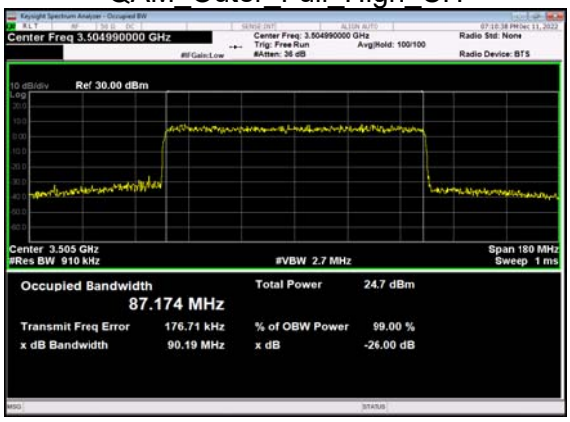
N77(90M)_CP-OFDM_QPSK_Outer_Full_High_CH



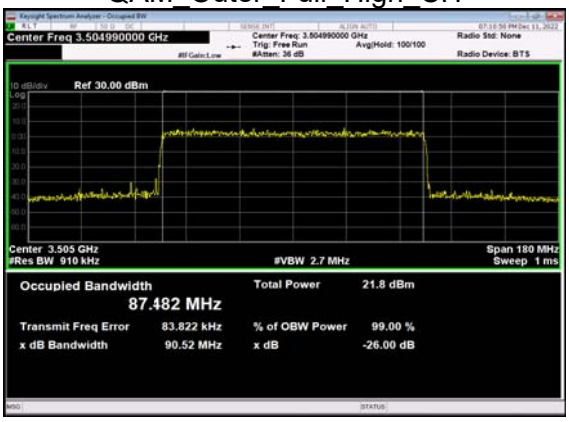
N77(90M)_CP-OFDM_16QAM_Outer_Full_High_CH



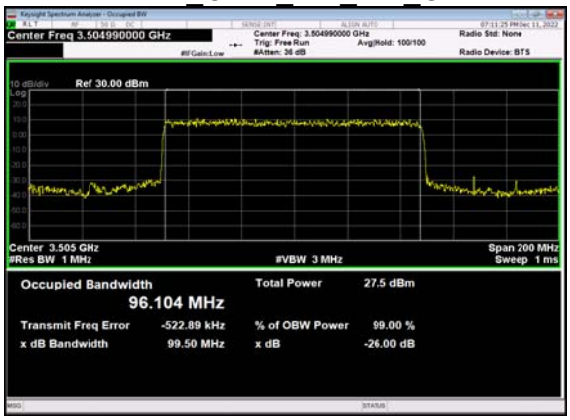
N77(90M)_CP-OFDM_64 QAM_Outer_Full_High_CH



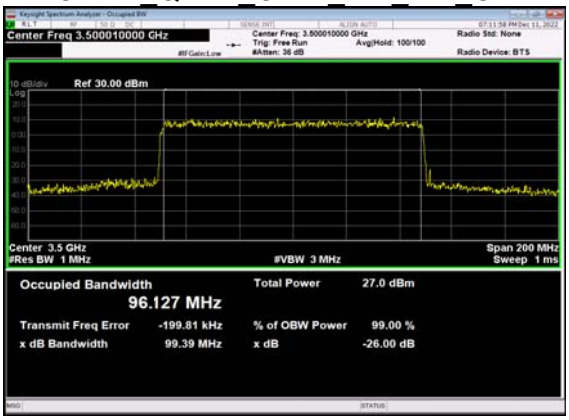
N77(90M)_CP-OFDM_256 QAM_Outer_Full_High_CH



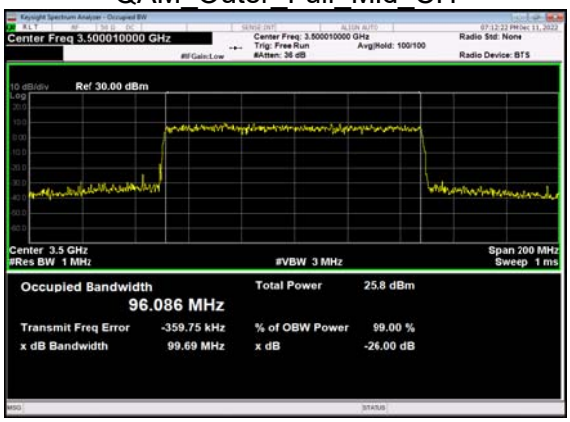
N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



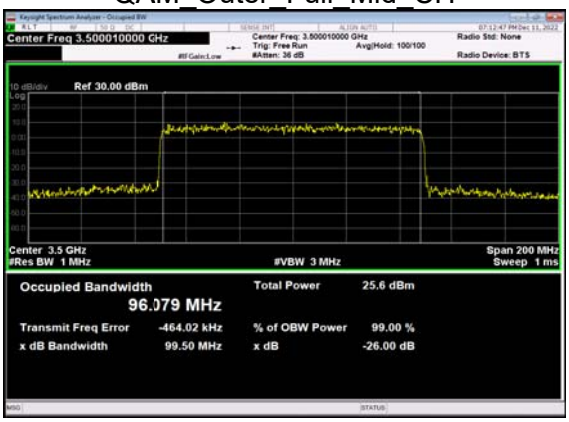
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



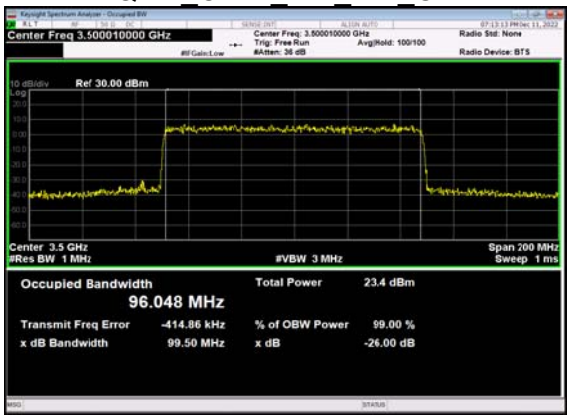
N77(100M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH



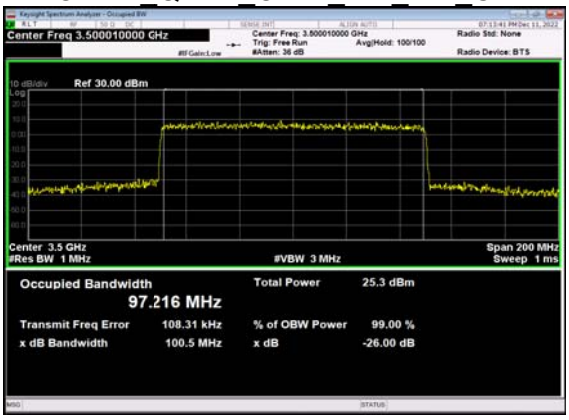
N77(100M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH



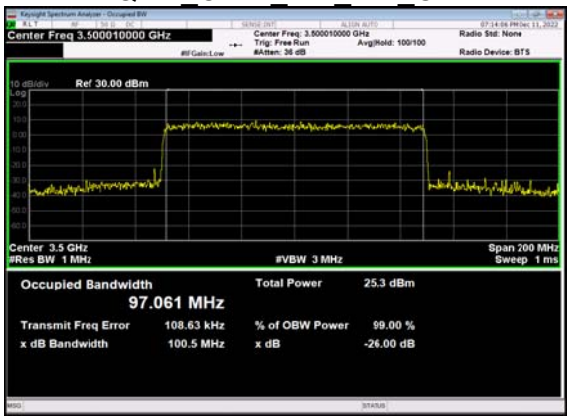
N77(100M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



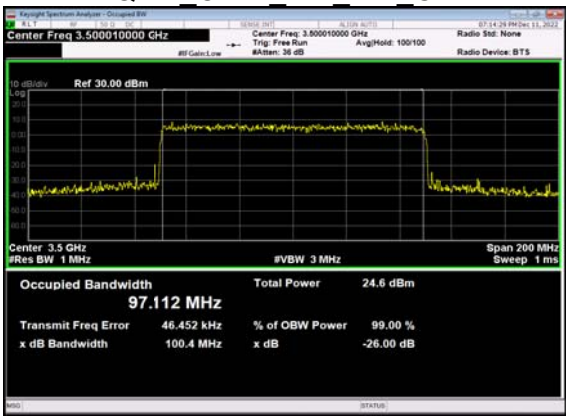
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



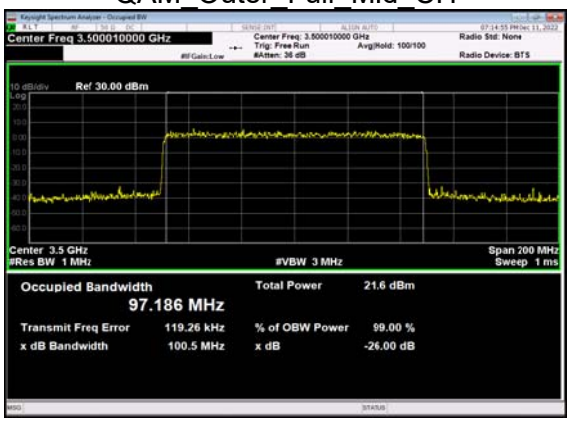
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N/A

2.3. Frequency Stability

2.3.1.Requirement

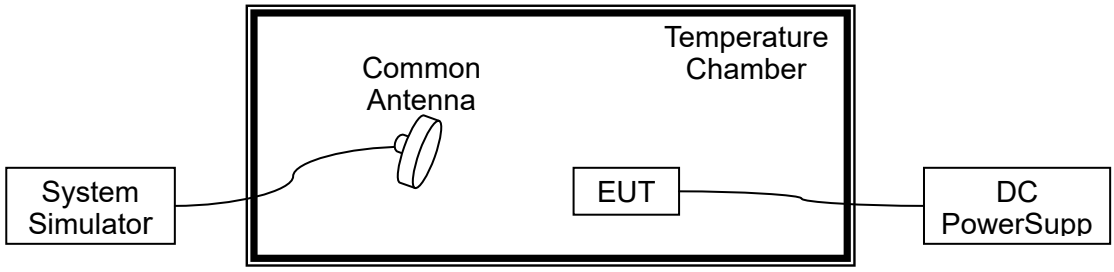
According to FCC section 2.1055, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.

(b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 45°C, which are specified by the applicant.

2.3.2.Test Description



The EUT which is powered by the DC Power Supply directly is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3.Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4.Test Result

The nominal, highest and lowest extreme voltages are separately 3.85VDC, 4.40VDC and 3.65VDC, which are specified by the applicant; the normal temperature here used is 20°C.

NR n2, QPSK, Channel 376000, SCS 15kHz, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	38	0.020	PASS
Normal		0	22	0.012	
Normal		+10	22	0.012	
Normal		+20	19	0.010	
Normal		+30	18	0.010	
Normal		+40	15	0.008	
Normal		+45	15	0.008	
High	4.40	+20	25	0.013	
BATT.ENDPOINT	3.65	+20	17	0.009	

NR n5, QPSK, Channel 167300, SCS 15kHz, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	-18	-0.022	PASS
Normal		0	15	0.018	
Normal		+10	43	0.051	
Normal		+20	19	0.023	
Normal		+30	51	0.061	
Normal		+40	23	0.027	
Normal		+45	21	0.025	
High	4.40	+20	43	0.051	
BATT.ENDPOINT	3.65	+20	39	0.047	

NR n7, QPSK, Channel 507000, SCS 15kHz, Frequency 2535.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	38	0.015	PASS
Normal		0	-22	-0.009	
Normal		+10	-20	-0.008	
Normal		+20	-16	-0.006	
Normal		+30	22	0.009	
Normal		+40	27	0.011	
Normal		+45	-23	-0.009	
High	4.40	+20	-15	-0.006	
BATT.ENDPOINT	3.65	+20	35	0.014	

NR n38, QPSK, Channel 519000, SCS 30kHz, Frequency 2595.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	-14	-0.005	PASS
Normal		0	23	0.009	
Normal		+10	51	0.020	
Normal		+20	52	0.020	
Normal		+30	-18	-0.007	
Normal		+40	51	0.020	
Normal		+45	18	0.007	
High	4.40	+20	23	0.009	
BATT.ENDPOINT	3.65	+20	-21	-0.008	

NR n41, QPSK, Channel 518598, SCS 30kHz, Frequency 2592.99MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	21	0.008	PASS
Normal		0	27	0.010	
Normal		+10	17	0.007	
Normal		+20	-23	-0.009	
Normal		+30	41	0.016	
Normal		+40	-14	-0.005	
Normal		+45	26	0.010	
High	4.40	+20	-19	-0.007	
BATT.ENDPOINT	3.65	+20	13	0.005	

NR n66, QPSK, Channel 349000, SCS 30kHz, Frequency 1745.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	16	0.009	PASS
Normal		0	27	0.015	
Normal		+10	18	0.010	
Normal		+20	21	0.012	
Normal		+30	47	0.027	
Normal		+40	15	0.009	
Normal		+45	17	0.010	
High	4.40	+20	52	0.030	
BATT.ENDPOINT	3.65	+20	35	0.020	

NR n71, QPSK, Channel 136100, SCS 30kHz, Frequency 680.5MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	35	0.051	PASS
Normal		0	14	0.021	
Normal		+10	23	0.034	
Normal		+20	-18	-0.026	
Normal		+30	53	0.078	
Normal		+40	-17	-0.025	
Normal		+45	35	0.051	
High	4.40	+20	-13	-0.019	
BATT.ENDPOINT	3.65	+20	32	0.047	

NR n77(3700 MHz ~ 3980 MHz), Channel 656000, SCS 30kHz, Frequency 3840.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	52	0.014	PASS
Normal		0	16	0.004	
Normal		+10	42	0.011	
Normal		+20	53	0.014	
Normal		+30	21	0.005	
Normal		+40	53	0.014	
Normal		+45	-19	-0.005	
High	4.40	+20	39	0.010	
BATT.ENDPOINT	3.65	+20	21	0.005	

NR n77 (3450 MHz ~ 3550 MHz), Channel 633334, SCS 30kHz, Frequency 3500.01MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	48	0.014	PASS
Normal		0	17	0.005	
Normal		+10	48	0.014	
Normal		+20	-19	-0.005	
Normal		+30	31	0.009	
Normal		+40	21	0.006	
Normal		+45	-22	-0.006	
High	4.40	+20	-14	-0.004	
BATT.ENDPOINT	3.65	+20	-22	-0.006	

2.4. Peak to Average Ratio

2.4.1.Requirement

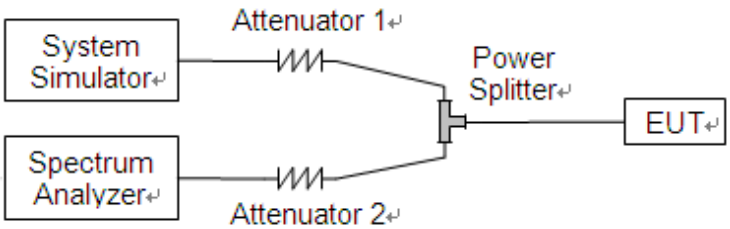
According to FCC section 24.232(d) for n2, in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to FCC section 27.50(d)(5)for n66, 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.

According to FCC section 27.50(j)(4) and 25.50(k)(4) for n77, 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.

2.4.2.Test Description

Test Set:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.4.3.Test procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.

Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode，SA mode is selected to test all test cases.

NR Band	SCS (kHz)	Bandwidth (MHz)	ARFCN	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	25@0	4.31	13	PASS
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	25@0	5.47	13	PASS
2	15	5	386500	1852.5	CP-OFDM QPSK	25@0	8.18	13	PASS
2	15	5	386500	1852.5	CP-OFDM 16 QAM	25@0	7.96	13	PASS
2	15	5	392000	1880.0	DFT-s-OFDM PI/2 BPSK	25@0	4.53	13	PASS
2	15	5	392000	1880.0	DFT-s-OFDM QPSK	25@0	5.48	13	PASS
2	15	5	392000	1880.0	CP-OFDM QPSK	25@0	8.33	13	PASS
2	15	5	392000	1880.0	CP-OFDM 16 QAM	25@0	8.00	13	PASS
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	25@0	4.38	13	PASS
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	25@0	5.55	13	PASS
2	15	5	397500	1907.5	CP-OFDM QPSK	25@0	8.28	13	PASS
2	15	5	397500	1907.5	CP-OFDM 16 QAM	25@0	7.91	13	PASS
2	15	10	387000	1855.0	DFT-s-OFDM PI/2 BPSK	50@0	4.48	13	PASS
2	15	10	387000	1855.0	DFT-s-OFDM QPSK	50@0	5.70	13	PASS
2	15	10	387000	1855.0	CP-OFDM QPSK	52@0	8.10	13	PASS
2	15	10	387000	1855.0	CP-OFDM 16 QAM	52@0	8.30	13	PASS
2	15	10	392000	1880.0	DFT-s-OFDM PI/2 BPSK	50@0	4.50	13	PASS
2	15	10	392000	1880.0	DFT-s-OFDM QPSK	50@0	5.64	13	PASS
2	15	10	392000	1880.0	CP-OFDM QPSK	52@0	8.06	13	PASS
2	15	10	392000	1880.0	CP-OFDM 16 QAM	52@0	8.33	13	PASS

2	15	10	397000	1905.0	DFT-s-OFDM PI/2 BPSK	50@0	4.48	13	PASS
2	15	10	397000	1905.0	DFT-s-OFDM QPSK	50@0	5.57	13	PASS
2	15	10	397000	1905.0	CP-OFDM QPSK	52@0	8.03	13	PASS
2	15	10	397000	1905.0	CP-OFDM 16 QAM	52@0	8.30	13	PASS
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	75@0	4.48	13	PASS
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	75@0	5.63	13	PASS
2	15	15	387500	1857.5	CP-OFDM QPSK	79@0	8.17	13	PASS
2	15	15	387500	1857.5	CP-OFDM 16 QAM	79@0	7.97	13	PASS
2	15	15	392000	1880.0	DFT-s-OFDM PI/2 BPSK	75@0	4.47	13	PASS
2	15	15	392000	1880.0	DFT-s-OFDM QPSK	75@0	5.63	13	PASS
2	15	15	392000	1880.0	CP-OFDM QPSK	79@0	8.08	13	PASS
2	15	15	392000	1880.0	CP-OFDM 16 QAM	79@0	7.97	13	PASS
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	75@0	4.36	13	PASS
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	75@0	5.64	13	PASS
2	15	15	396500	1902.5	CP-OFDM QPSK	79@0	8.03	13	PASS
2	15	15	396500	1902.5	CP-OFDM 16 QAM	79@0	7.86	13	PASS
2	15	20	388000	1860.0	DFT-s-OFDM PI/2 BPSK	100@0	4.40	13	PASS
2	15	20	388000	1860.0	DFT-s-OFDM QPSK	100@0	5.64	13	PASS
2	15	20	388000	1860.0	CP-OFDM QPSK	106@0	8.06	13	PASS
2	15	20	388000	1860.0	CP-OFDM 16 QAM	106@0	8.18	13	PASS
2	15	20	392000	1880.0	DFT-s-OFDM PI/2 BPSK	100@0	4.37	13	PASS
2	15	20	392000	1880.0	DFT-s-OFDM QPSK	100@0	5.59	13	PASS
2	15	20	392000	1880.0	CP-OFDM QPSK	106@0	8.07	13	PASS
2	15	20	392000	1880.0	CP-OFDM 16 QAM	106@0	8.19	13	PASS

2	15	20	396000	1900.0	DFT-s-OFDM PI/2 BPSK	100@0	4.31	13	PASS
2	15	20	396000	1900.0	DFT-s-OFDM QPSK	100@0	5.52	13	PASS
2	15	20	396000	1900.0	CP-OFDM QPSK	106@0	8.08	13	PASS
2	15	20	396000	1900.0	CP-OFDM 16 QAM	106@0	8.20	13	PASS
66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	25@0	4.12	13	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	5.08	13	PASS
66	15	5	422500	1712.5	CP-OFDM QPSK	25@0	7.30	13	PASS
66	15	5	422500	1712.5	CP-OFDM 16 QAM	25@0	7.44	13	PASS
66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	25@0	4.21	13	PASS
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	25@0	5.37	13	PASS
66	15	5	429000	1745.0	CP-OFDM QPSK	25@0	7.51	13	PASS
66	15	5	429000	1745.0	CP-OFDM 16 QAM	25@0	7.58	13	PASS
66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	25@0	4.25	13	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	5.19	13	PASS
66	15	5	435500	1777.5	CP-OFDM QPSK	25@0	7.27	13	PASS
66	15	5	435500	1777.5	CP-OFDM 16 QAM	25@0	7.51	13	PASS
66	15	10	423000	1715.0	DFT-s-OFDM PI/2 BPSK	50@0	4.19	13	PASS
66	15	10	423000	1715.0	DFT-s-OFDM QPSK	50@0	5.2	13	PASS
66	15	10	423000	1715.0	CP-OFDM QPSK	52@0	7.48	13	PASS
66	15	10	423000	1715.0	CP-OFDM 16 QAM	52@0	7.51	13	PASS
66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	50@0	4.19	13	PASS
66	15	10	429000	1745.0	DFT-s-OFDM QPSK	50@0	5.48	13	PASS
66	15	10	429000	1745.0	CP-OFDM QPSK	52@0	7.59	13	PASS
66	15	10	429000	1745.0	CP-OFDM 16 QAM	52@0	7.68	13	PASS

66	15	10	435000	1775.0	DFT-s-OFDM PI/2 BPSK	50@0	4.14	13	PASS
66	15	10	435000	1775.0	DFT-s-OFDM QPSK	50@0	5.31	13	PASS
66	15	10	435000	1775.0	CP-OFDM QPSK	52@0	7.64	13	PASS
66	15	10	435000	1775.0	CP-OFDM 16 QAM	52@0	7.65	13	PASS
66	15	15	423500	1717.5	DFT-s-OFDM PI/2 BPSK	75@0	4.06	13	PASS
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	75@0	5.17	13	PASS
66	15	15	423500	1717.5	CP-OFDM QPSK	79@0	7.35	13	PASS
66	15	15	423500	1717.5	CP-OFDM 16 QAM	79@0	7.36	13	PASS
66	15	15	429000	1745.0	DFT-s-OFDM PI/2 BPSK	75@0	4.3	13	PASS
66	15	15	429000	1745.0	DFT-s-OFDM QPSK	75@0	5.33	13	PASS
66	15	15	429000	1745.0	CP-OFDM QPSK	79@0	7.59	13	PASS
66	15	15	429000	1745.0	CP-OFDM 16 QAM	79@0	7.54	13	PASS
66	15	15	434500	1772.5	DFT-s-OFDM PI/2 BPSK	75@0	4.16	13	PASS
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	75@0	5.28	13	PASS
66	15	15	434500	1772.5	CP-OFDM QPSK	79@0	7.68	13	PASS
66	15	15	434500	1772.5	CP-OFDM 16 QAM	79@0	7.62	13	PASS
66	15	20	424000	1720.0	DFT-s-OFDM PI/2 BPSK	100@0	4.05	13	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	100@0	5.20	13	PASS
66	15	20	424000	1720.0	CP-OFDM QPSK	106@0	7.45	13	PASS
66	15	20	424000	1720.0	CP-OFDM 16 QAM	106@0	7.51	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	4.12	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	5.32	13	PASS
66	15	20	429000	1745.0	CP-OFDM QPSK	106@0	7.58	13	PASS
66	15	20	429000	1745.0	CP-OFDM 16 QAM	106@0	7.64	13	PASS

66	15	20	434000	1770.0	DFT-s-OFDM PI/2 BPSK	100@0	4.17	13	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	100@0	5.29	13	PASS
66	15	20	434000	1770.0	CP-OFDM QPSK	106@0	7.74	13	PASS
66	15	20	434000	1770.0	CP-OFDM 16 QAM	106@0	7.78	13	PASS
66	15	25	424500	1722.5	DFT-s-OFDM PI/2 BPSK	128@0	4.59	13	PASS
66	15	25	424500	1722.5	DFT-s-OFDM QPSK	128@0	5.24	13	PASS
66	15	25	424500	1722.5	CP-OFDM QPSK	133@0	7.53	13	PASS
66	15	25	424500	1722.5	CP-OFDM 16 QAM	133@0	7.45	13	PASS
66	15	25	429000	1745.0	DFT-s-OFDM PI/2 BPSK	128@0	4.36	13	PASS
66	15	25	429000	1745.0	DFT-s-OFDM QPSK	128@0	5.37	13	PASS
66	15	25	429000	1745.0	CP-OFDM QPSK	133@0	7.64	13	PASS
66	15	25	429000	1745.0	CP-OFDM 16 QAM	133@0	7.59	13	PASS
66	15	25	433500	1767.5	DFT-s-OFDM PI/2 BPSK	128@0	4.45	13	PASS
66	15	25	433500	1767.5	DFT-s-OFDM QPSK	128@0	5.41	13	PASS
66	15	25	433500	1767.5	CP-OFDM QPSK	133@0	7.79	13	PASS
66	15	25	433500	1767.5	CP-OFDM 16 QAM	133@0	7.61	13	PASS
66	15	30	425000	1725.0	DFT-s-OFDM PI/2 BPSK	160@0	6.76	13	PASS
66	15	30	425000	1725.0	DFT-s-OFDM QPSK	160@0	6.15	13	PASS
66	15	30	425000	1725.0	CP-OFDM QPSK	160@0	7.97	13	PASS
66	15	30	425000	1725.0	CP-OFDM 16 QAM	160@0	7.93	13	PASS
66	15	30	429000	1745.0	DFT-s-OFDM PI/2 BPSK	160@0	6.92	13	PASS
66	15	30	429000	1745.0	DFT-s-OFDM QPSK	160@0	6.22	13	PASS
66	15	30	429000	1745.0	CP-OFDM QPSK	160@0	8.19	13	PASS
66	15	30	429000	1745.0	CP-OFDM 16 QAM	160@0	8.17	13	PASS

66	15	30	433000	1765.0	DFT-s-OFDM PI/2 BPSK	160@0	6.95	13	PASS
66	15	30	433000	1765.0	DFT-s-OFDM QPSK	160@0	6.25	13	PASS
66	15	30	433000	1765.0	CP-OFDM QPSK	160@0	8.21	13	PASS
66	15	30	433000	1765.0	CP-OFDM 16 QAM	160@0	8.13	13	PASS
66	15	40	426000	1730.0	DFT-s-OFDM PI/2 BPSK	216@0	6.85	13	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	216@0	6.08	13	PASS
66	15	40	426000	1730.0	CP-OFDM QPSK	216@0	8.11	13	PASS
66	15	40	426000	1730.0	CP-OFDM 16 QAM	216@0	7.99	13	PASS
66	15	40	429000	1745.0	DFT-s-OFDM PI/2 BPSK	216@0	7.05	13	PASS
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	216@0	6.14	13	PASS
66	15	40	429000	1745.0	CP-OFDM QPSK	216@0	8.26	13	PASS
66	15	40	429000	1745.0	CP-OFDM 16 QAM	216@0	8.11	13	PASS
66	15	40	432000	1760.0	DFT-s-OFDM PI/2 BPSK	216@0	6.85	13	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	216@0	6.05	13	PASS
66	15	40	432000	1760.0	CP-OFDM QPSK	216@0	8.15	13	PASS
66	15	40	432000	1760.0	CP-OFDM 16 QAM	216@0	8.04	13	PASS

n77(3700-3980MHz)									
NR Band	SCS (kHz)	Bandwidth (MHz)	ARFCN	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM PI/2 BPSK	24@0	4.69	13	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	5.91	13	PASS
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	7.75	13	PASS
77	30	10	647000	3705.0	CP-OFDM 16 QAM	24@0	8.13	13	PASS
77	30	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	24@0	4.84	13	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	24@0	5.91	13	PASS

77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	7.77	13	PASS
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.09	13	PASS
77	30	10	665000	3975.0	DFT-s-OFDM PI/2 BPSK	24@0	4.69	13	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	5.96	13	PASS
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	7.80	13	PASS
77	30	10	665000	3975.0	CP-OFDM 16 QAM	24@0	8.05	13	PASS
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	36@0	5.06	13	PASS
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	36@0	6.07	13	PASS
77	30	15	647168	3707.52	CP-OFDM QPSK	38@0	8.04	13	PASS
77	30	15	647168	3707.52	CP-OFDM 16 QAM	38@0	8.37	13	PASS
77	30	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	36@0	5.02	13	PASS
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	36@0	6.08	13	PASS
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	7.97	13	PASS
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	8.25	13	PASS
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	36@0	4.94	13	PASS
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	36@0	6.02	13	PASS
77	30	15	664832	3972.48	CP-OFDM QPSK	38@0	8.00	13	PASS
77	30	15	664832	3972.48	CP-OFDM 16 QAM	38@0	8.22	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	4.71	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	6.14	13	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	8.03	13	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	51@0	8.13	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	4.84	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	6.12	13	PASS

77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	8.02	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	8.16	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	4.65	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	5.96	13	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	8.29	13	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	51@0	8.08	13	PASS
77	30	40	648000	3720.0	DFT-s-OFDM PI/2 BPSK	100@0	4.10	13	PASS
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	100@0	5.84	13	PASS
77	30	40	648000	3720.0	CP-OFDM QPSK	106@0	8.51	13	PASS
77	30	40	648000	3720.0	CP-OFDM 16 QAM	106@0	8.87	13	PASS
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	4.23	13	PASS
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	5.90	13	PASS
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	8.47	13	PASS
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	8.84	13	PASS
77	30	40	664000	3960.0	DFT-s-OFDM PI/2 BPSK	100@0	4.13	13	PASS
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	100@0	5.83	13	PASS
77	30	40	664000	3960.0	CP-OFDM QPSK	106@0	8.44	13	PASS
77	30	40	664000	3960.0	CP-OFDM 16 QAM	106@0	8.77	13	PASS
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	128@0	3.80	13	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	5.06	13	PASS
77	30	50	648334	3725.01	CP-OFDM QPSK	133@0	8.39	13	PASS
77	30	50	648334	3725.01	CP-OFDM 16 QAM	133@0	8.02	13	PASS
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	3.95	13	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	5.22	13	PASS

77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	8.61	13	PASS
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	7.96	13	PASS
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	128@0	3.97	13	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	5.21	13	PASS
77	30	50	663666	3954.99	CP-OFDM QPSK	133@0	8.55	13	PASS
77	30	50	663666	3954.99	CP-OFDM 16 QAM	133@0	7.94	13	PASS
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	162@0	3.25	13	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	4.99	13	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	8.39	13	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	162@0	8.99	13	PASS
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	3.23	13	PASS
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	5.03	13	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	8.36	13	PASS
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	9.03	13	PASS
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	162@0	3.52	13	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	5.03	13	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	162@0	8.32	13	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	162@0	9.08	13	PASS
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	216@0	2.73	13	PASS
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	216@0	4.24	13	PASS
77	30	80	649334	3740.01	CP-OFDM QPSK	217@0	8.56	13	PASS
77	30	80	649334	3740.01	CP-OFDM 16 QAM	217@0	8.93	13	PASS
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	2.48	13	PASS
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	4.24	13	PASS

77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	8.58	13	PASS
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	8.79	13	PASS
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	216@0	2.58	13	PASS
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	216@0	4.29	13	PASS
77	30	80	662666	3939.99	CP-OFDM QPSK	217@0	8.63	13	PASS
77	30	80	662666	3939.99	CP-OFDM 16 QAM	217@0	8.75	13	PASS
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	240@0	2.74	13	PASS
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	240@0	4.63	13	PASS
77	30	90	649668	3745.02	CP-OFDM QPSK	245@0	8.46	13	PASS
77	30	90	649668	3745.02	CP-OFDM 16 QAM	245@0	8.39	13	PASS
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	2.55	13	PASS
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	4.57	13	PASS
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	8.43	13	PASS
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	8.51	13	PASS
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	240@0	2.75	13	PASS
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	240@0	4.61	13	PASS
77	30	90	662332	3934.98	CP-OFDM QPSK	245@0	8.41	13	PASS
77	30	90	662332	3934.98	CP-OFDM 16 QAM	245@0	8.56	13	PASS
77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	3.11	13	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	5.06	13	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	8.28	13	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	8.15	13	PASS
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	2.96	13	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	4.90	13	PASS

77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	8.33	13	PASS
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	8.30	13	PASS
77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	270@0	3.14	13	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	4.98	13	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	8.39	13	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	273@0	8.35	13	PASS

n77(3450-3550MHz)									
NR Band	SCS (kHz)	Bandwidth (MHz)	ARFCN	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	24@0	4.69	13	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	5.64	13	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	7.66	13	PASS
77	30	10	630334	3455.01	CP-OFDM 16 QAM	24@0	7.95	13	PASS
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	4.66	13	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	5.61	13	PASS
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	7.68	13	PASS
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	7.96	13	PASS
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	24@0	4.66	13	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	5.59	13	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	7.66	13	PASS
77	30	10	636332	3544.98	CP-OFDM 16 QAM	24@0	7.94	13	PASS
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@0	4.74	13	PASS
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	36@0	5.44	13	PASS
77	30	15	630500	3457.5	CP-OFDM QPSK	38@0	8.94	13	PASS

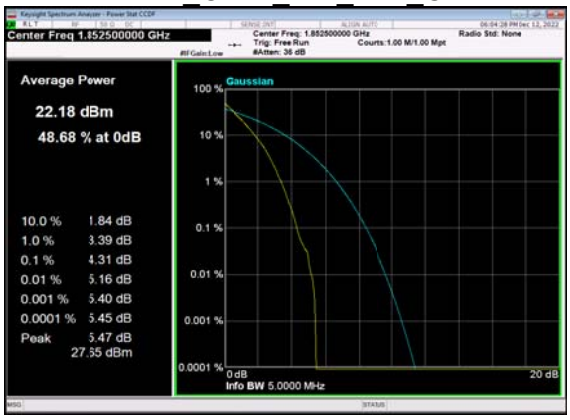
77	30	15	630500	3457.5	CP-OFDM 16 QAM	38@0	7.68	13	PASS
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	4.70	13	PASS
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	5.45	13	PASS
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	8.83	13	PASS
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	7.68	13	PASS
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@0	4.67	13	PASS
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	36@0	5.47	13	PASS
77	30	15	636166	3542.49	CP-OFDM QPSK	38@0	8.98	13	PASS
77	30	15	636166	3542.49	CP-OFDM 16 QAM	38@0	7.67	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	4.60	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	5.62	13	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	8.27	13	PASS
77	30	20	630668	3460.02	CP-OFDM 16 QAM	51@0	9.17	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	4.60	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	5.62	13	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	8.30	13	PASS
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	9.18	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	4.57	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	5.60	13	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	8.31	13	PASS
77	30	20	636000	3540.0	CP-OFDM 16 QAM	51@0	9.20	13	PASS
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	100@0	6.80	13	PASS
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	5.63	13	PASS
77	30	40	631334	3470.01	CP-OFDM QPSK	106@0	7.97	13	PASS

77	30	40	631334	3470.01	CP-OFDM 16 QAM	106@0	8.01	13	PASS
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	6.82	13	PASS
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.65	13	PASS
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	7.95	13	PASS
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	8.02	13	PASS
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	100@0	6.80	13	PASS
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	5.66	13	PASS
77	30	40	635332	3529.98	CP-OFDM QPSK	106@0	7.96	13	PASS
77	30	40	635332	3529.98	CP-OFDM 16 QAM	106@0	8.00	13	PASS
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	128@0	6.69	13	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	6.24	13	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	8.36	13	PASS
77	30	50	631668	3475.02	CP-OFDM 16 QAM	133@0	8.63	13	PASS
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	6.69	13	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	6.24	13	PASS
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	8.35	13	PASS
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	8.62	13	PASS
77	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	128@0	6.69	13	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	6.23	13	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	133@0	8.37	13	PASS
77	30	50	635000	3525.0	CP-OFDM 16 QAM	133@0	8.62	13	PASS
77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	162@0	7.05	13	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	6.34	13	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	162@0	8.17	13	PASS

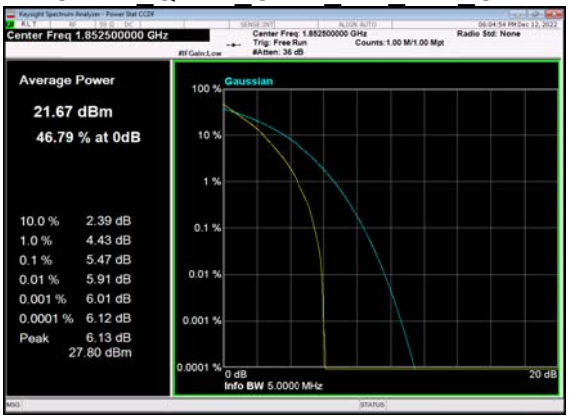
77	30	60	632000	3480.0	CP-OFDM 16 QAM	162@0	8.72	13	PASS
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	7.06	13	PASS
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	6.34	13	PASS
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	8.16	13	PASS
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	8.71	13	PASS
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	162@0	7.05	13	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	6.35	13	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	162@0	8.14	13	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	162@0	8.71	13	PASS
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	216@0	7.09	13	PASS
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	6.08	13	PASS
77	30	80	632668	3490.02	CP-OFDM QPSK	217@0	8.64	13	PASS
77	30	80	632668	3490.02	CP-OFDM 16 QAM	217@0	9.39	13	PASS
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	7.09	13	PASS
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	6.09	13	PASS
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	8.65	13	PASS
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	9.41	13	PASS
77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	216@0	7.19	13	PASS
77	30	80	634000	3510.0	DFT-s-OFDM QPSK	216@0	6.10	13	PASS
77	30	80	634000	3510.0	CP-OFDM QPSK	217@0	8.50	13	PASS
77	30	80	634000	3510.0	CP-OFDM 16 QAM	217@0	8.64	13	PASS
77	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	240@0	4.47	13	PASS
77	30	90	633000	3495.0	DFT-s-OFDM QPSK	240@0	5.74	13	PASS
77	30	90	633000	3495.0	CP-OFDM QPSK	245@0	8.39	13	PASS

77	30	90	633000	3495.0	CP-OFDM 16 QAM	245@0	8.47	13	PASS
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	4.48	13	PASS
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	5.74	13	PASS
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	8.39	13	PASS
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	8.48	13	PASS
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	240@0	4.51	13	PASS
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	240@0	5.73	13	PASS
77	30	90	633666	3504.99	CP-OFDM QPSK	245@0	8.63	13	PASS
77	30	90	633666	3504.99	CP-OFDM 16 QAM	245@0	8.42	13	PASS
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	7.92	13	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	5.89	13	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	8.31	13	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	8.63	13	PASS

N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

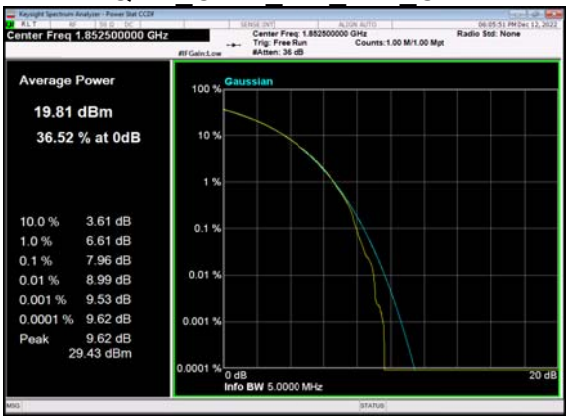


N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

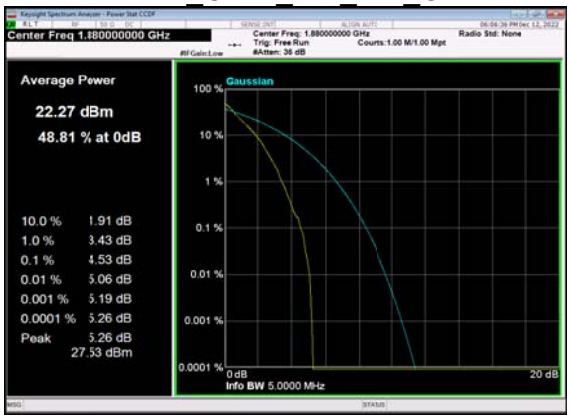


N2(5M)_CP-OFDM_QPSK_Outer_Full_Low_CH

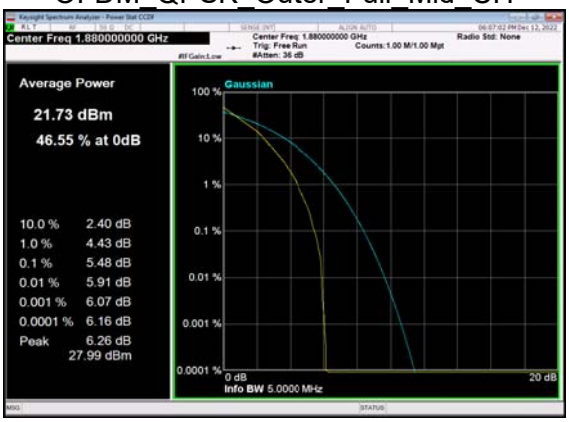
N2(5M)_CP-OFDM_16QAM_Outer_Full_Low_CH



N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

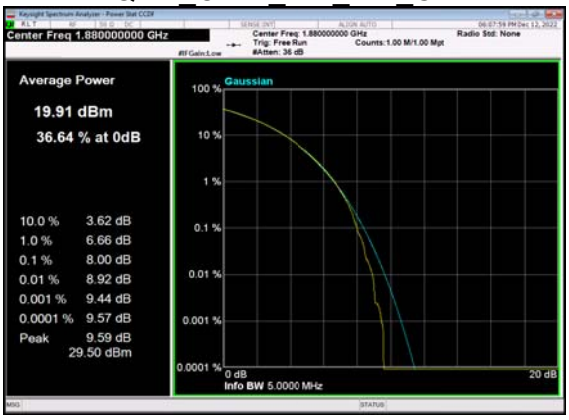


N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



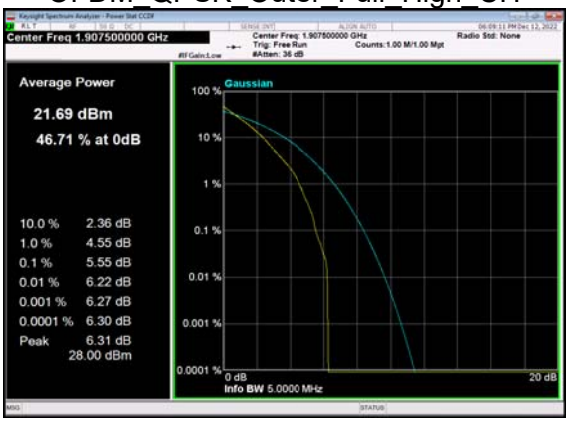
N2(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N2(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

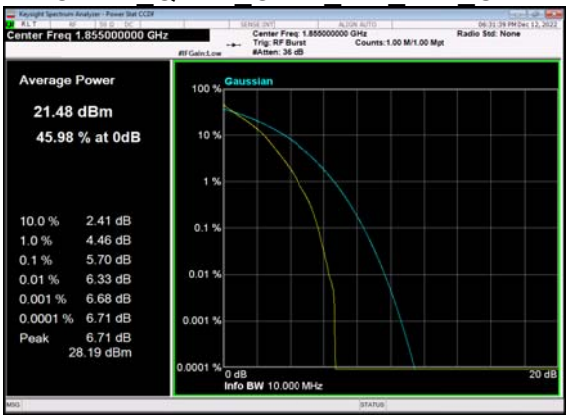


N2(5M)_CP-OFDM_QPSK_Outer_Full_High_CH

N2(5M)_CP-OFDM_16QAM_Outer_Full_High_CH

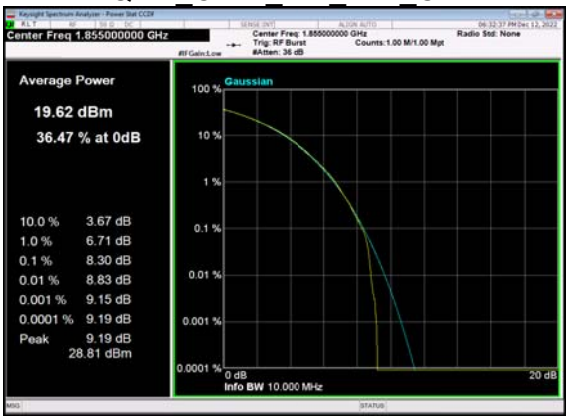
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

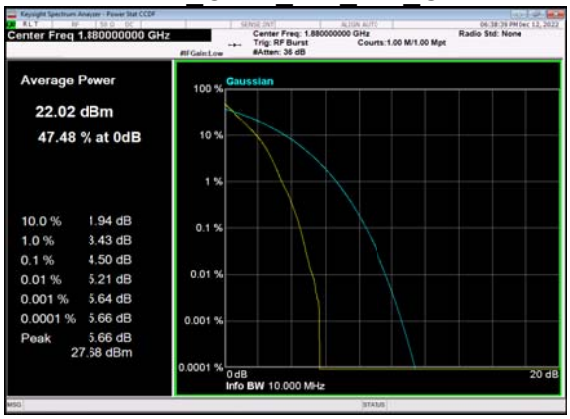


N2(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N2(10M)_CP-OFDM_16QAM_Outer_Full_Low_CH



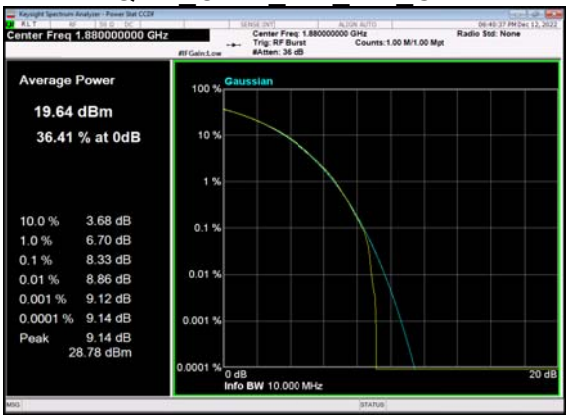
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

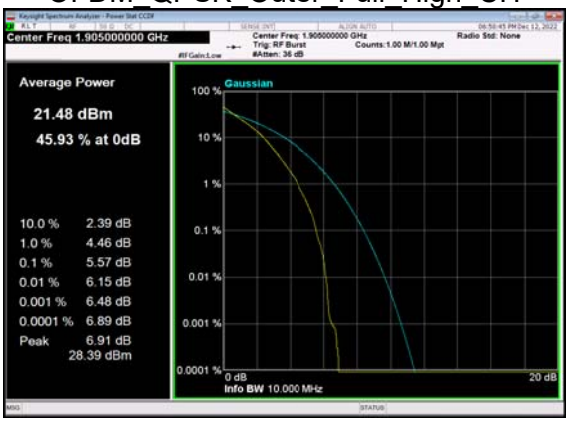
N2(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N2(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N2(10M)_CP-OFDM_QPSK_Outer_Full_High_CH

N2(10M)_CP-OFDM_16QAM_Outer_Full_High_CH