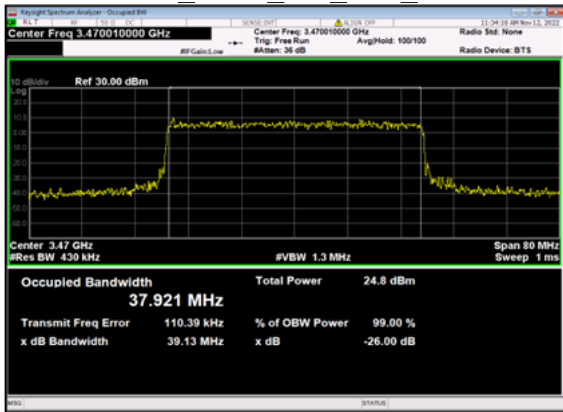
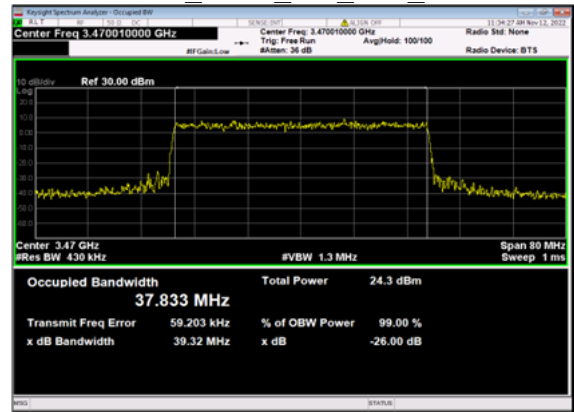




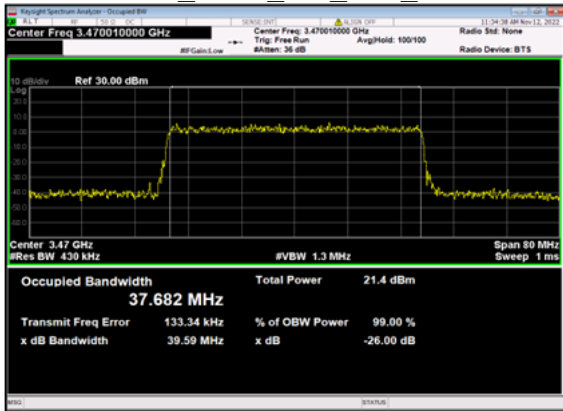
n77(40M)_CP-OFDM_16
QAM Outer Full Low CH



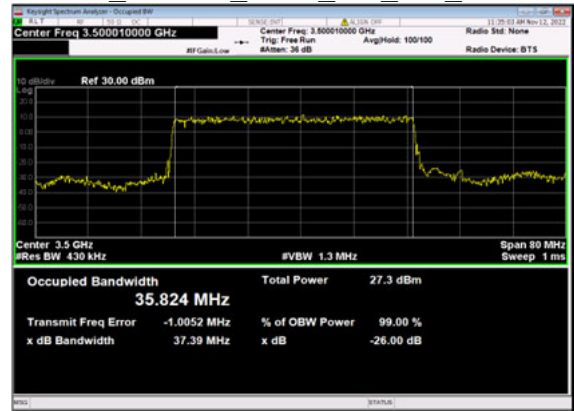
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QAM Outer Full Low CH



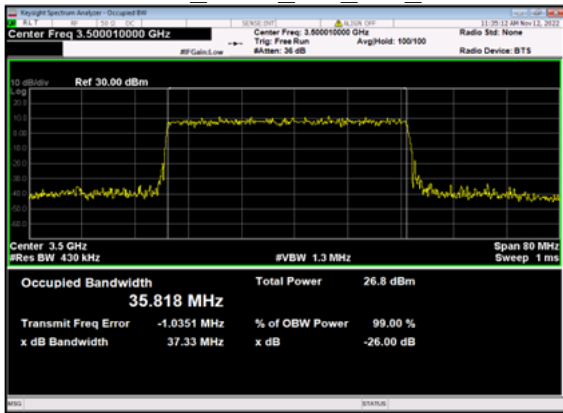
n77(40M)_CP-OFDM_256
QAM Outer Full Low CH



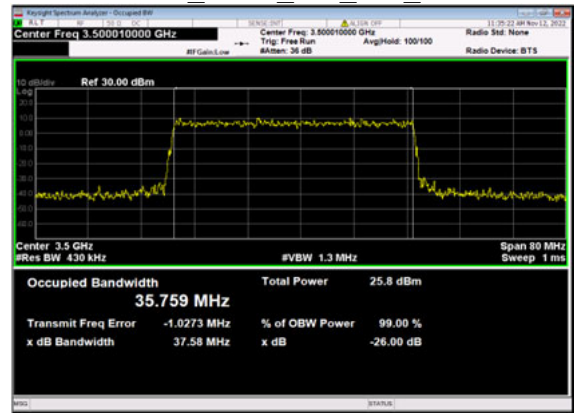
n77(40M)_DFT-s-OFDM_
PI 2-BPSK Outer Full Mid CH



n77(40M)_DFT-s-OFDM_
QPSK Outer Full Mid CH

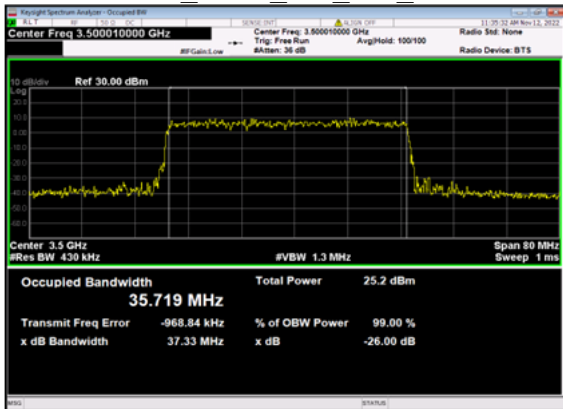


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QAM Outer Full Mid CH

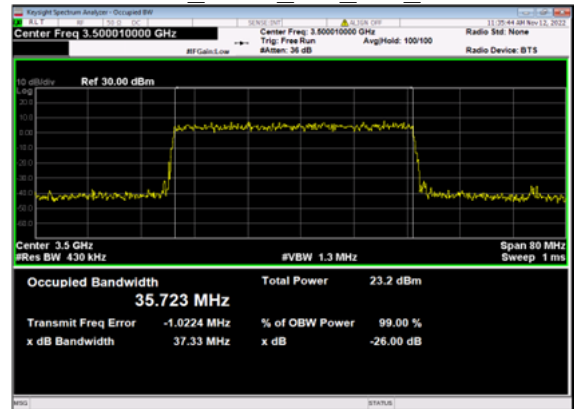




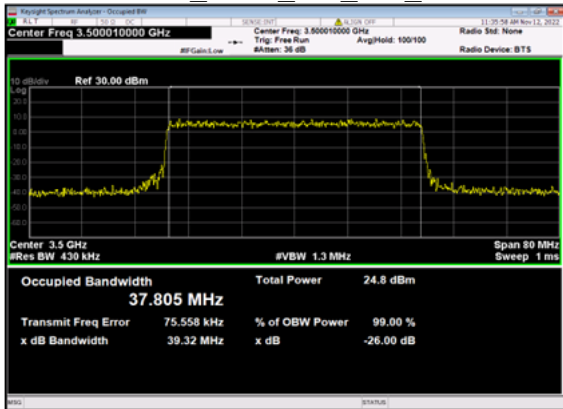
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QAM Outer Full Mid CH



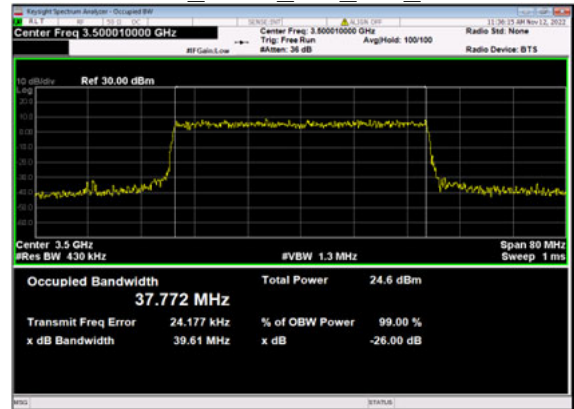
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QAM Outer Full Mid CH



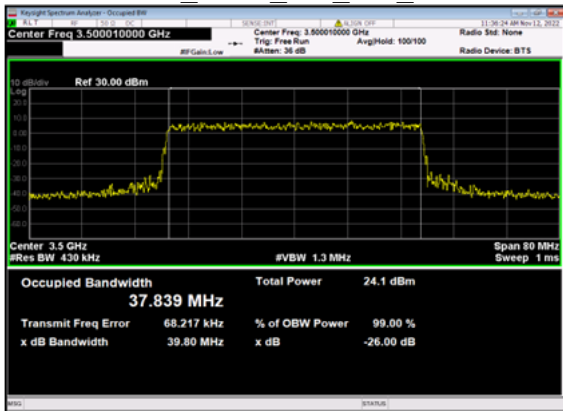
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QPSK Outer Full Mid CH



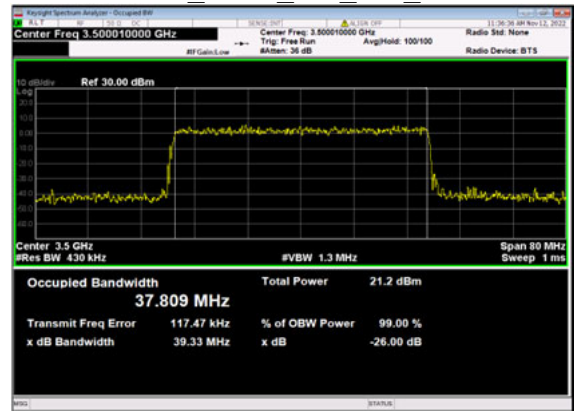
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QAM Outer Full Mid CH



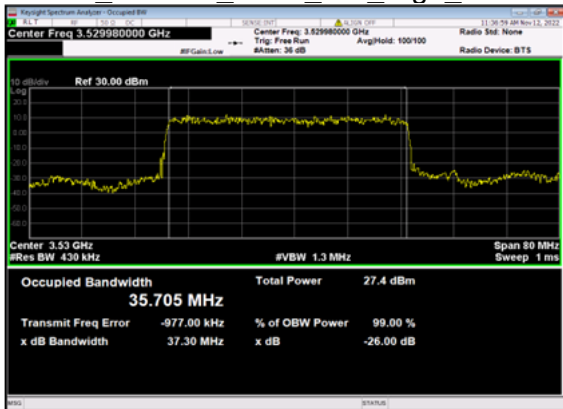
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QAM Outer Full Mid CH



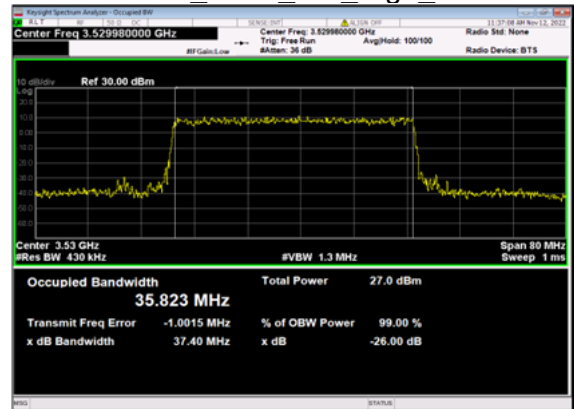
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QAM Outer Full Mid CH



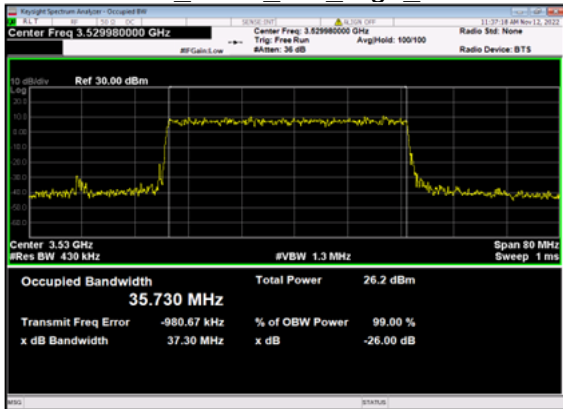
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PI 2-BPSK Outer Full High CH



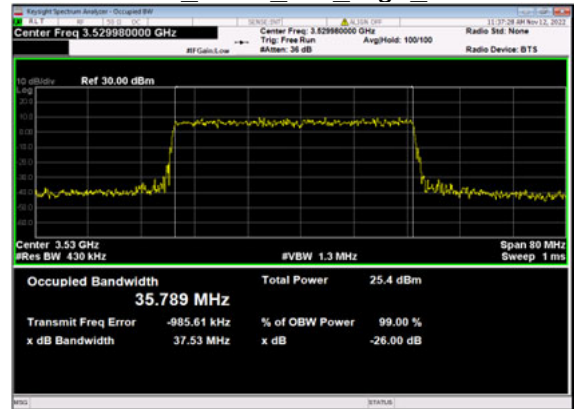
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QPSK Outer Full High CH



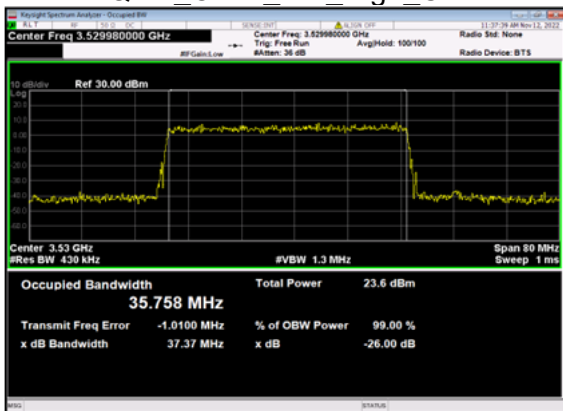
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QAM Outer Full High CH



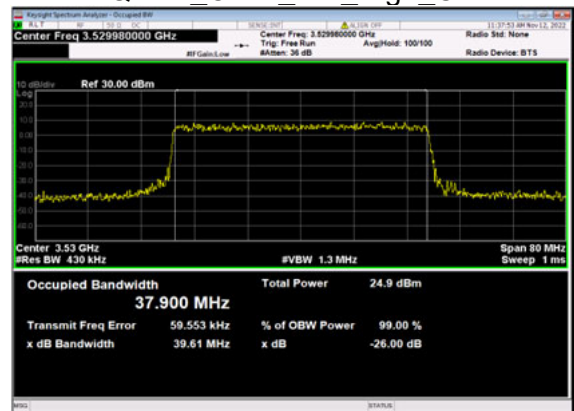
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QAM Outer Full High CH



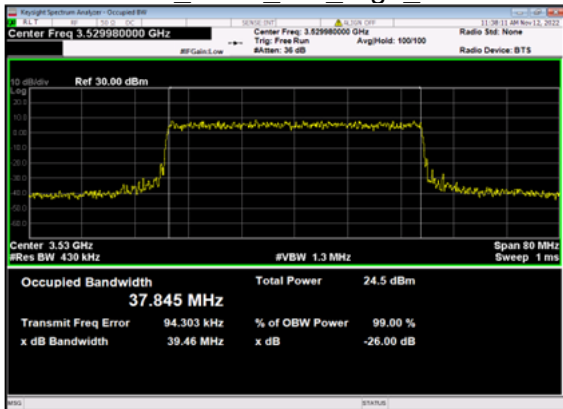
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QAM Outer Full High CH



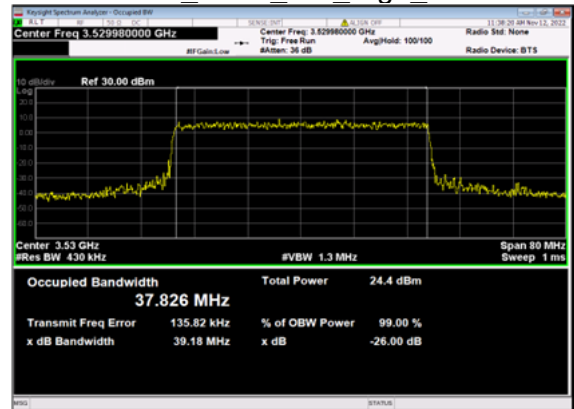
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QPSK Outer Full High CH



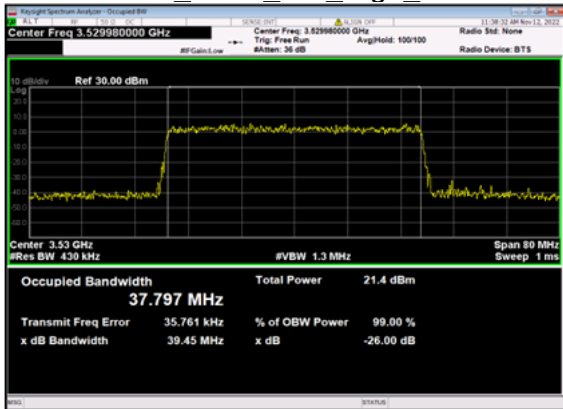
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QAM Outer Full High CH



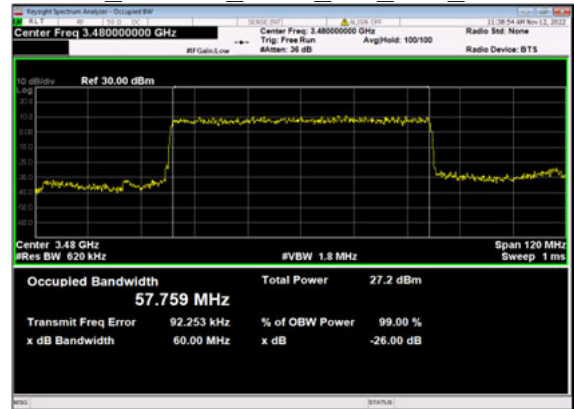
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QAM Outer Full High CH



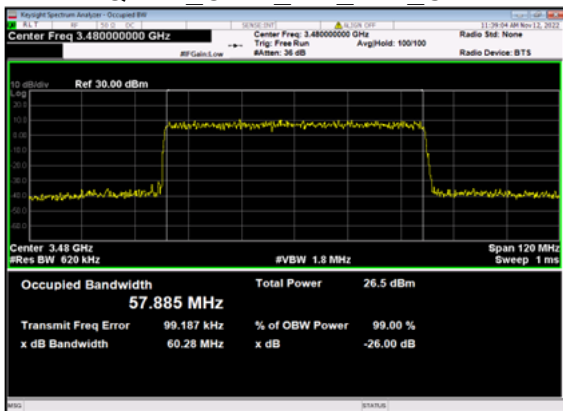
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QAM Outer Full High CH



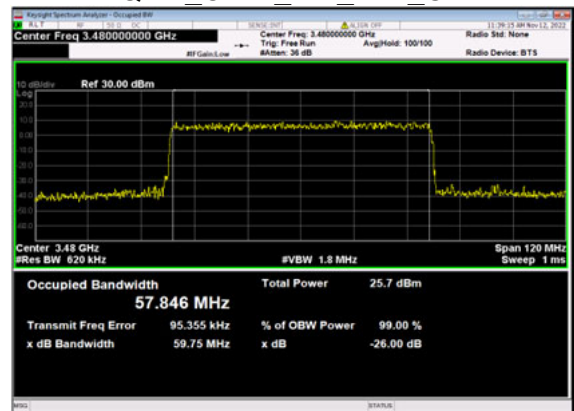
n77(60M)_DFT-s-OFDM_
PI 2-BPSK Outer Full Low CH



n77(60M)_DFT-s-OFDM_
QPSK Outer Full Low CH

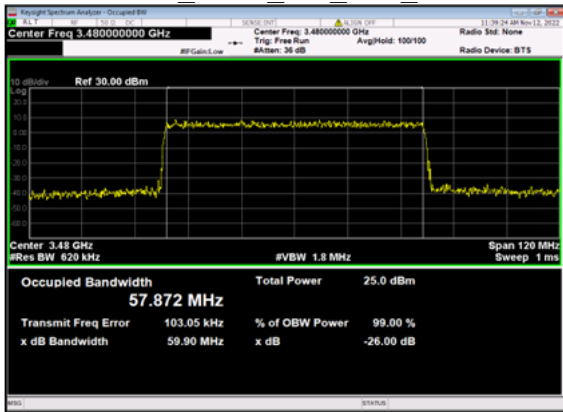


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QAM Outer Full Low CH

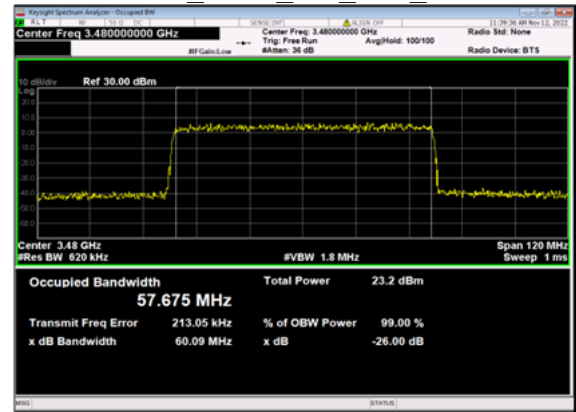




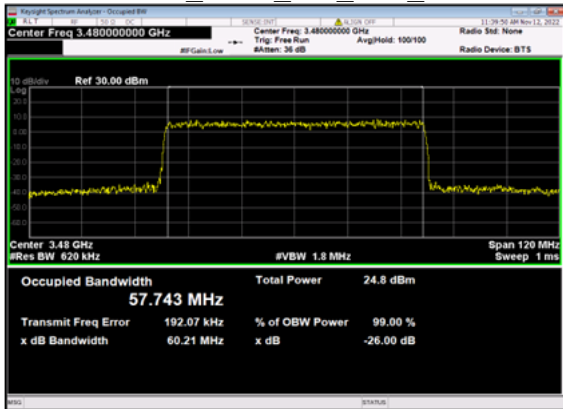
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QAM Outer Full Low CH



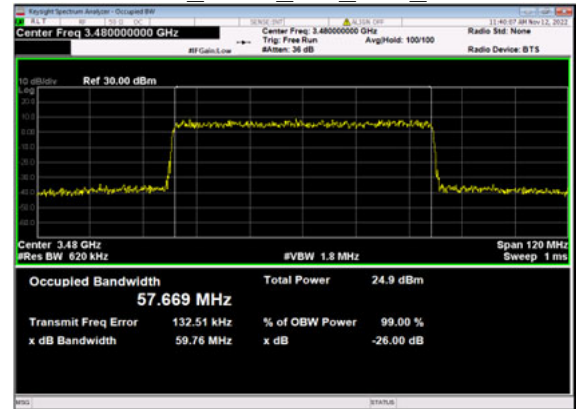
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QAM Outer Full Low CH



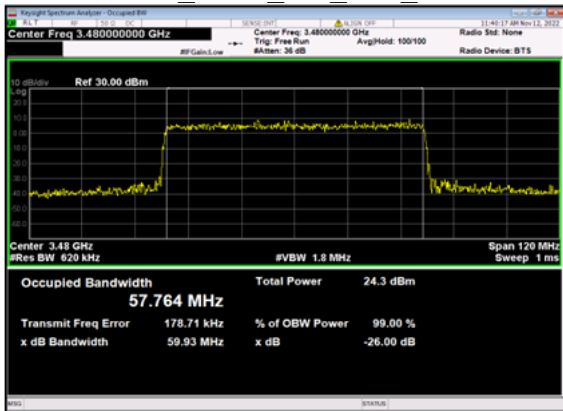
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QPSK Outer Full Low CH



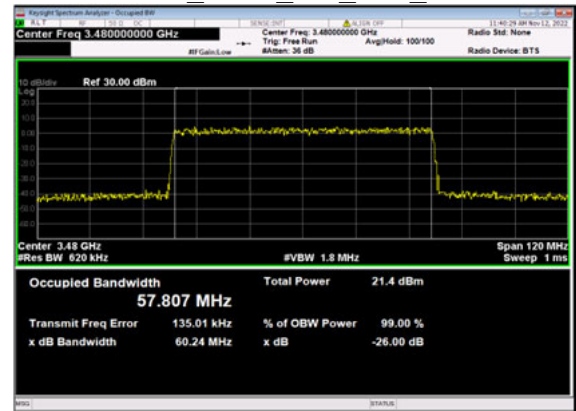
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QAM Outer Full Low CH



n77(60M)_CP-OFDM_64
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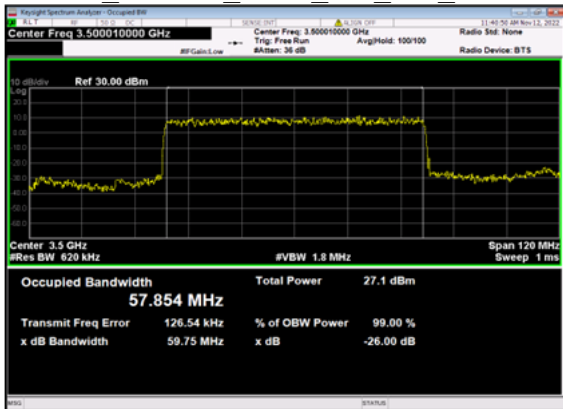


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QAM Outer Full Low CH

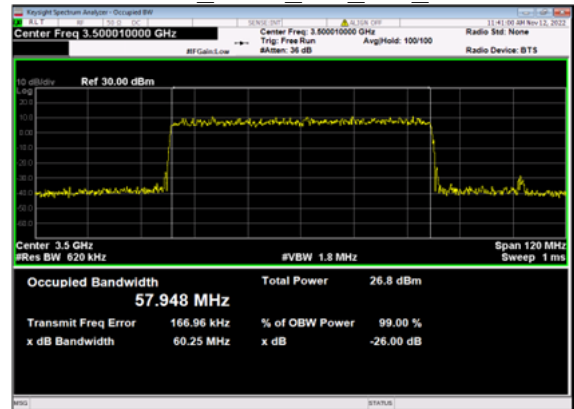




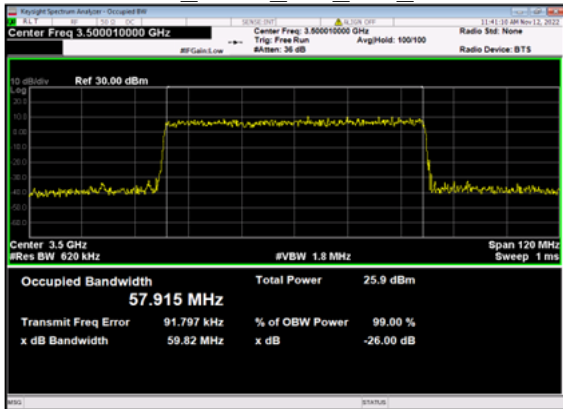
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PI 2-BPSK_Outer Full Mid CH



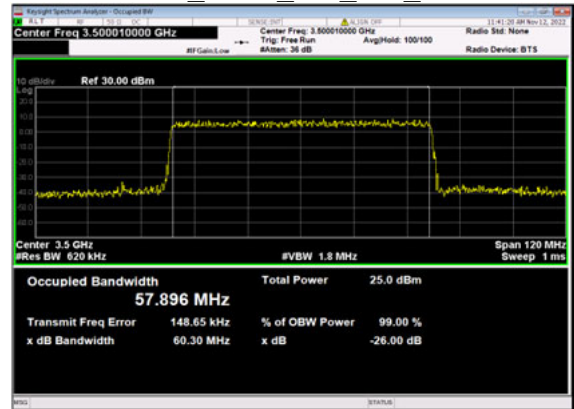
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QPSK_Outer Full Mid CH



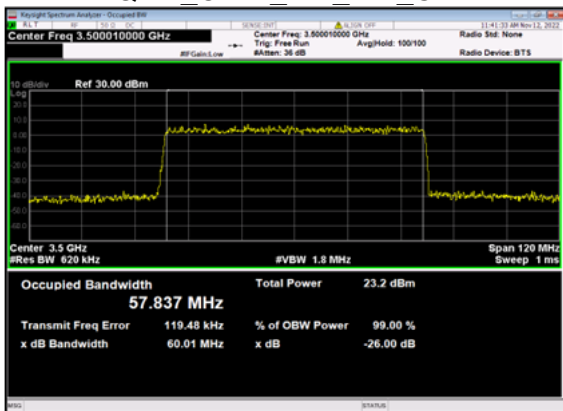
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QAM_Outer Full Mid CH



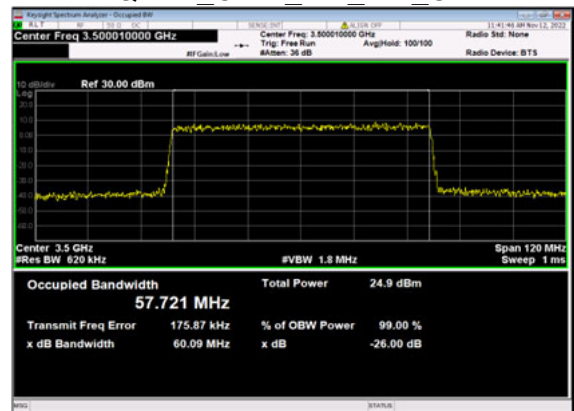
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QAM_Outer Full Mid CH



n77(60M)_DFT-s-OFDM_256
QAM_Outer Full Mid CH

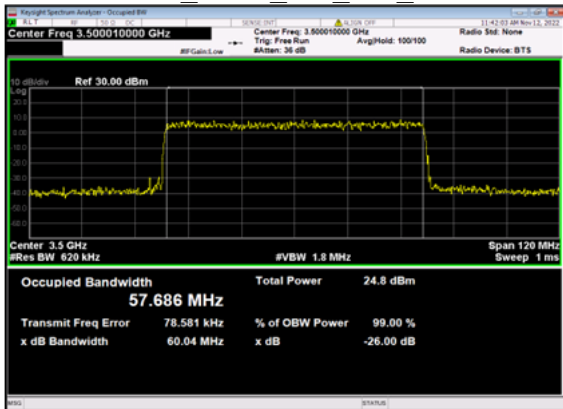


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QPSK_Outer Full Mid CH

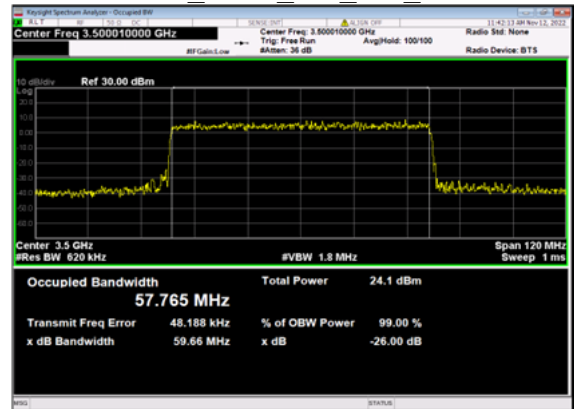




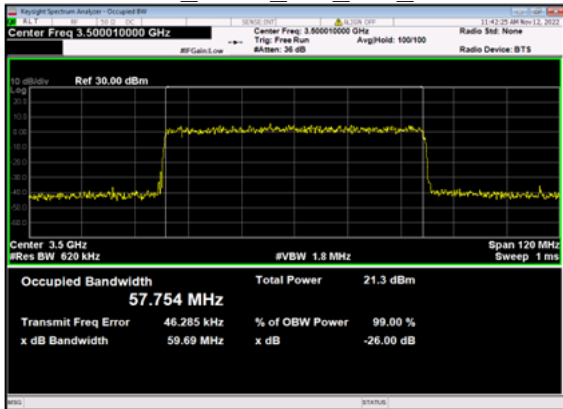
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QAM Outer Full Mid_CH



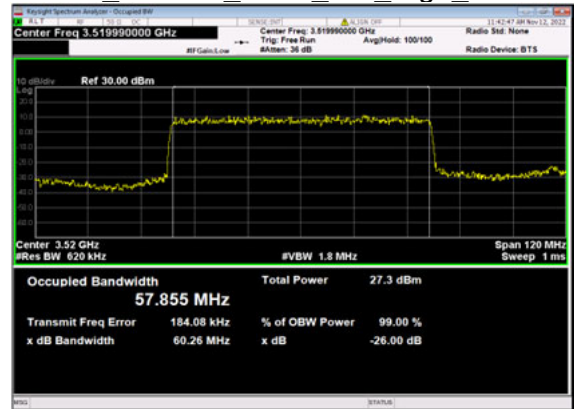
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QAM Outer Full Mid_CH



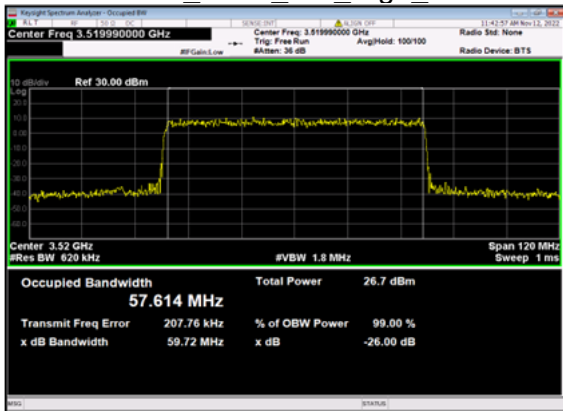
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QAM Outer Full Mid_CH



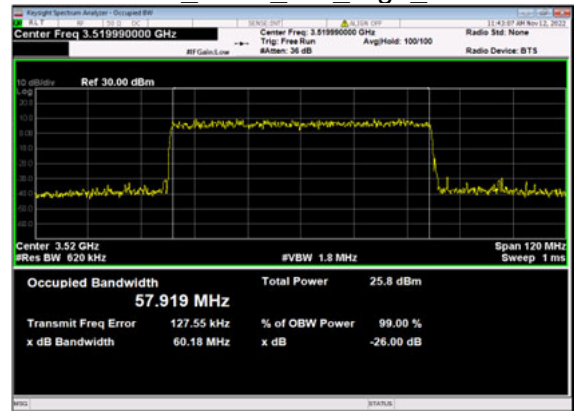
n77(60M)_DFT-s-OFDM_
PI 2-BPSK Outer Full High_CH



n77(60M)_DFT-s-OFDM_
QPSK Outer Full High_CH

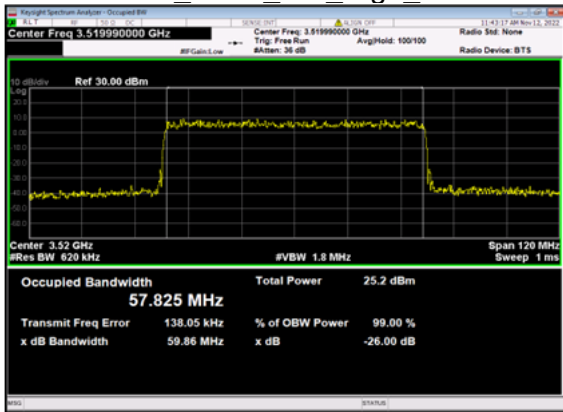


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QAM Outer Full High_CH

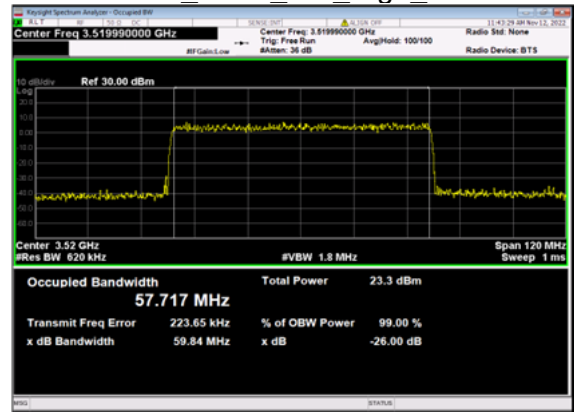




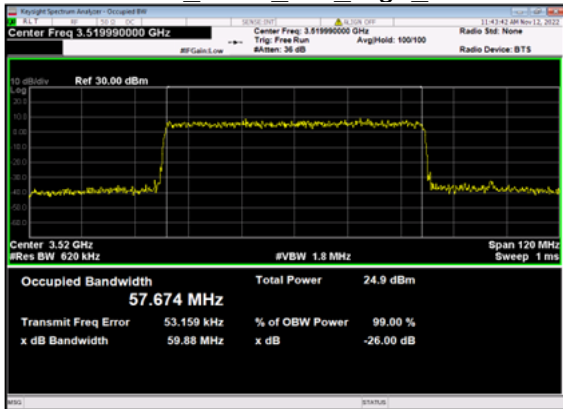
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QAM_Outer_Full_High_CH



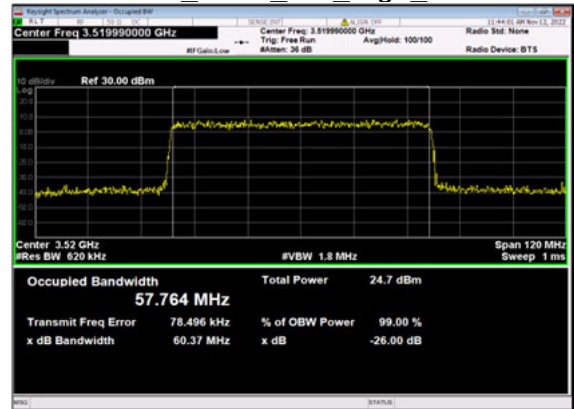
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QAM_Outer_Full_High_CH



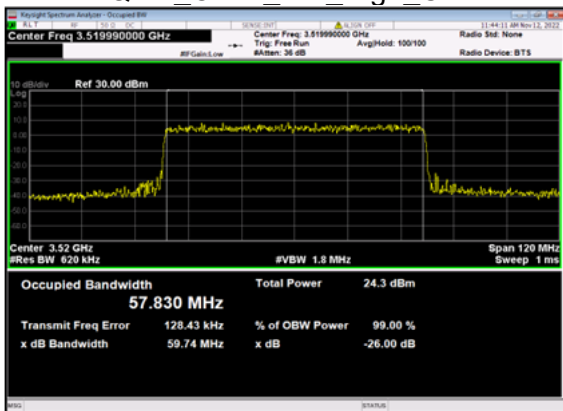
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QPSK_Outer_Full_High_CH



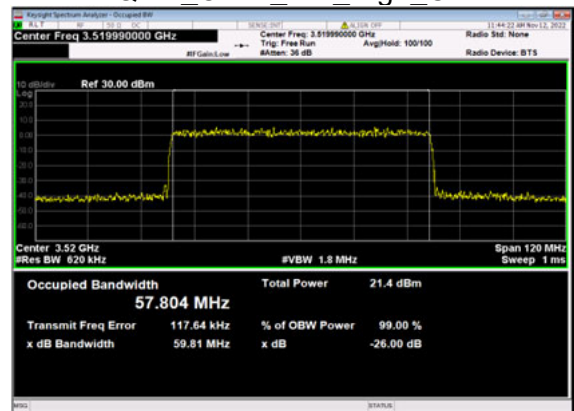
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QAM_Outer_Full_High_CH



n77(60M)_CP-OFDM_64
QAM_Outer_Full_High_CH

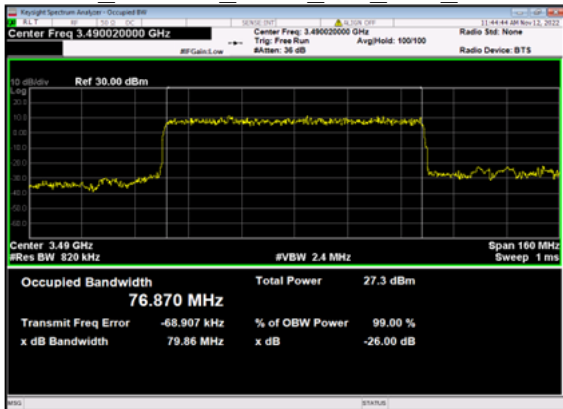


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QAM_Outer_Full_High_CH

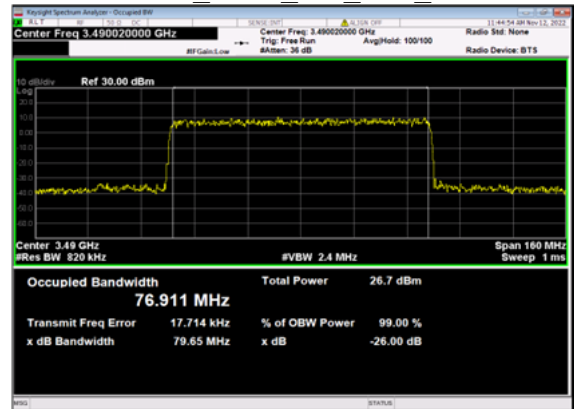




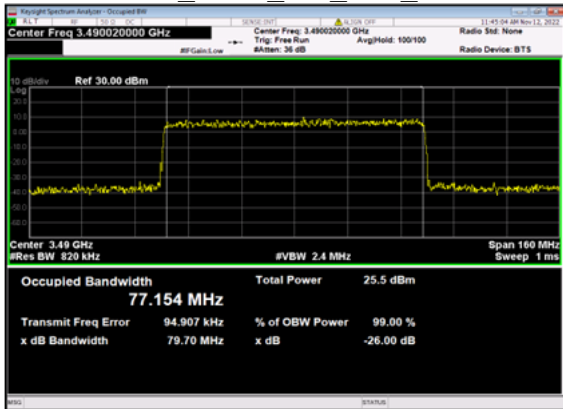
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PI 2-BPSK Outer Full Low CH



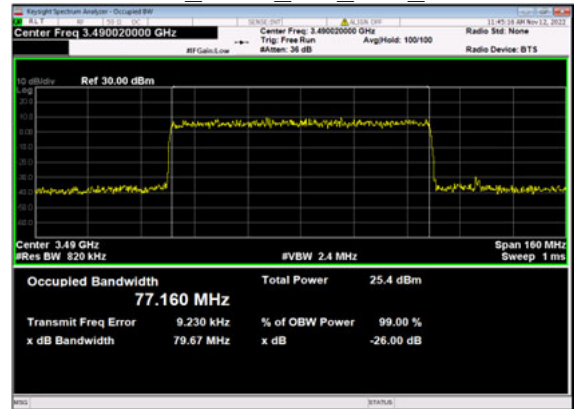
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QPSK Outer Full Low CH



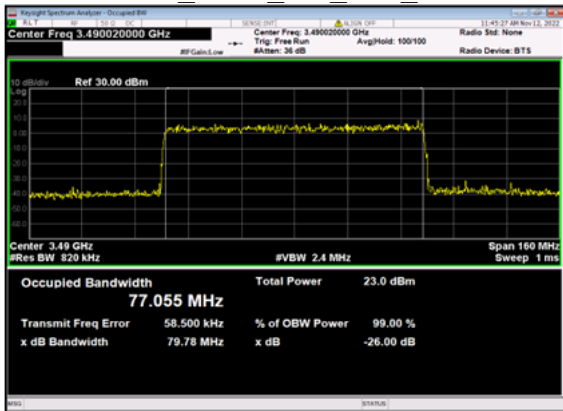
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QAM Outer Full Low CH



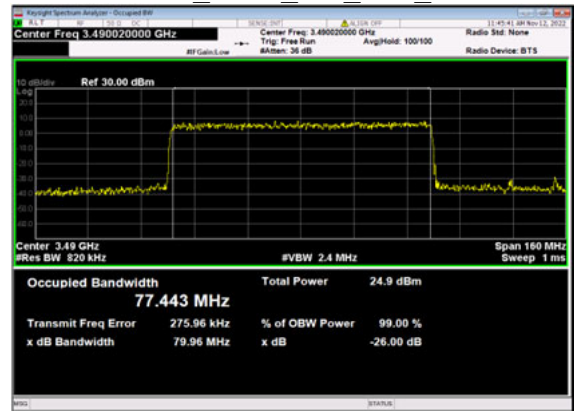
n77(80M)_DFT-s-OFDM_64
QAM Outer Full Low CH



n77(80M)_DFT-s-OFDM_256
QAM Outer Full Low CH

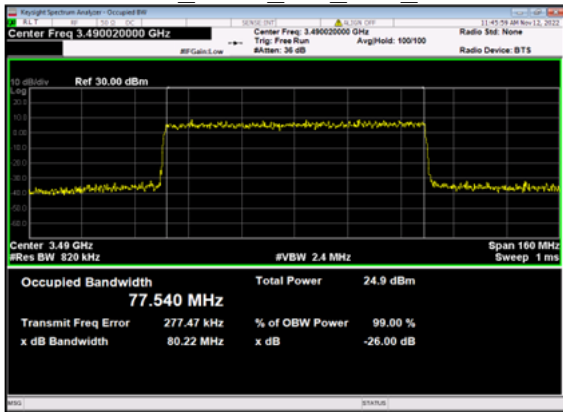


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QPSK Outer Full Low CH

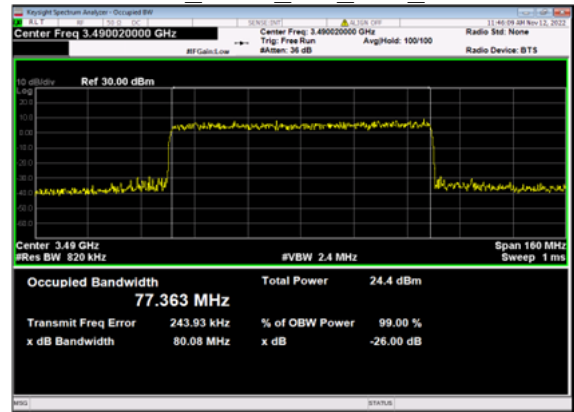




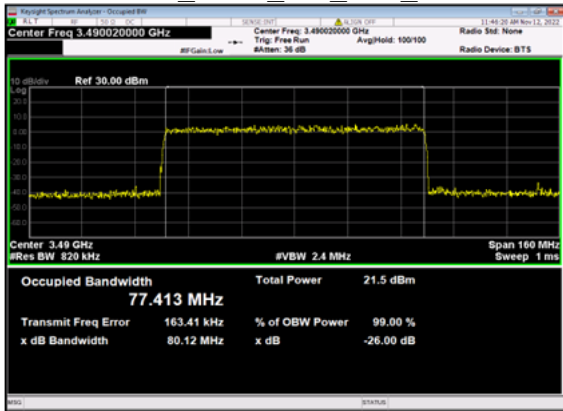
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QAM Outer Full Low CH



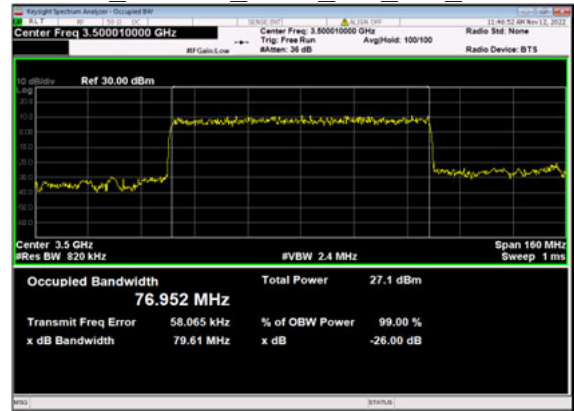
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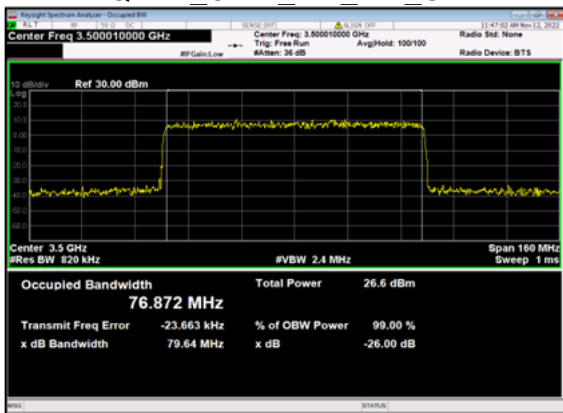
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QAM Outer Full Low CH



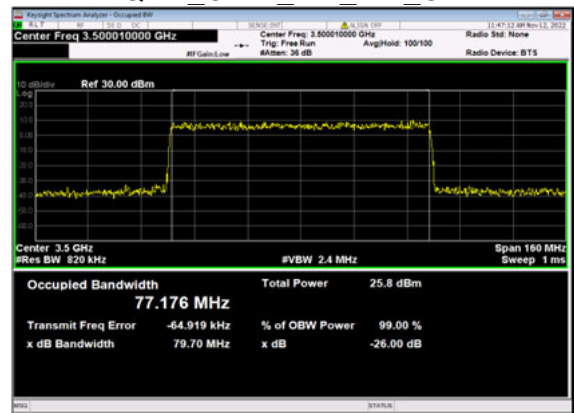
n77(80M)_DFT-s-OFDM_
PI 2-BPSK Outer Full Mid CH



n77(80M)_DFT-s-OFDM_
QPSK Outer Full Mid CH

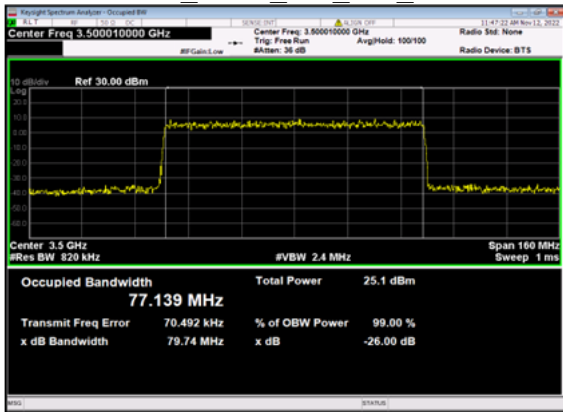


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QAM Outer Full Mid CH

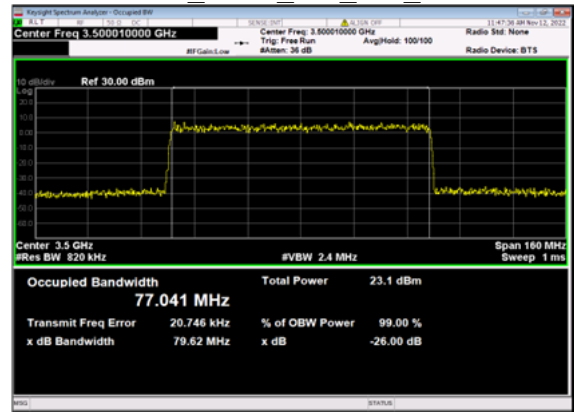




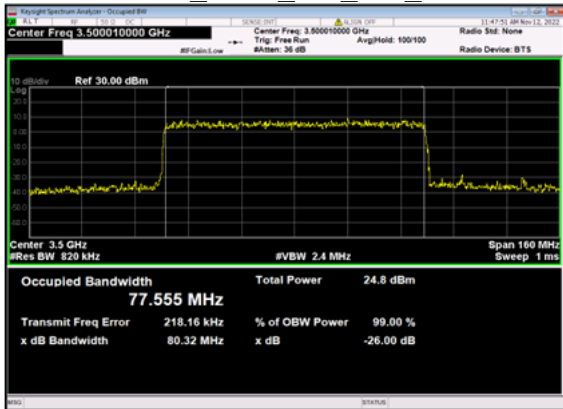
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QAM Outer Full Mid CH



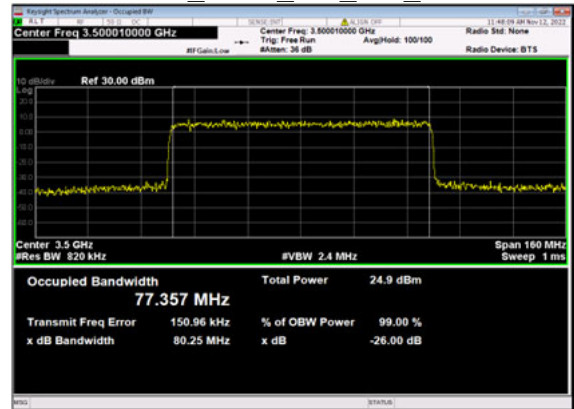
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QAM Outer Full Mid CH



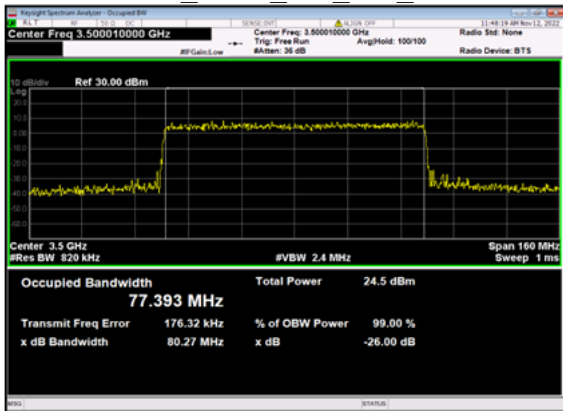
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QPSK Outer Full Mid CH



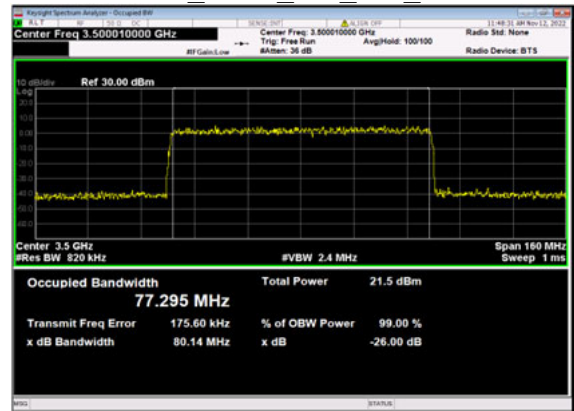
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QAM Outer Full Mid CH



n77(80M)_CP-OFDM_64
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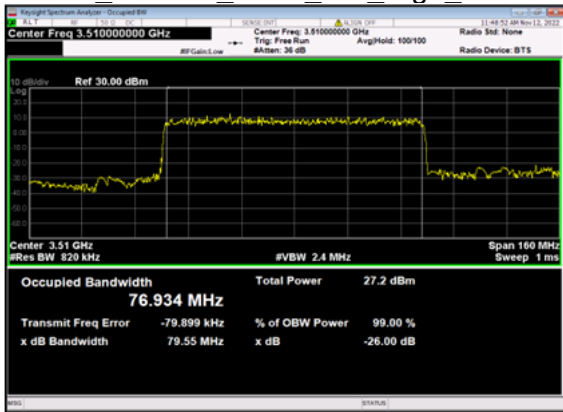


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QAM Outer Full Mid CH

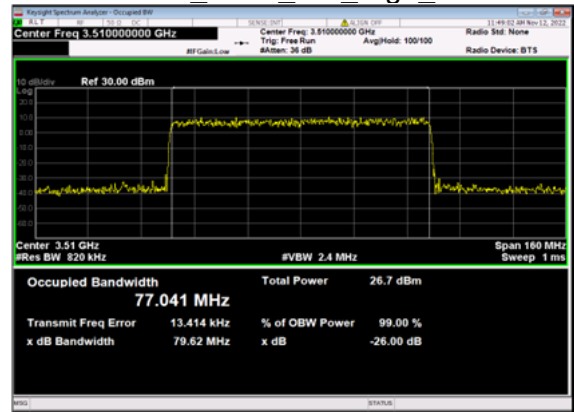




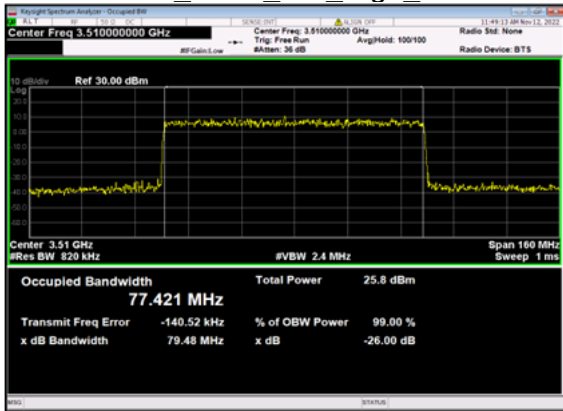
n77(80M)_DFT-s-OFDM_
PI 2-BPSK Outer Full High_CH



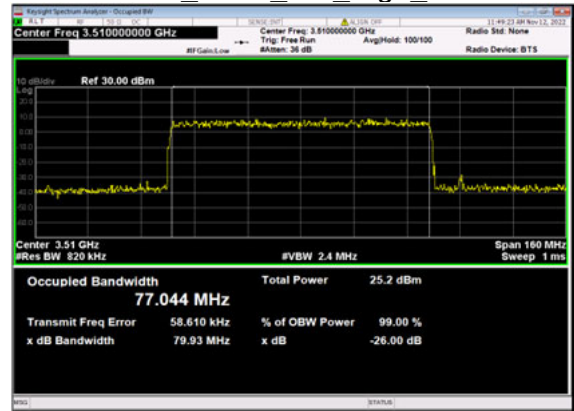
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QPSK Outer Full High_CH



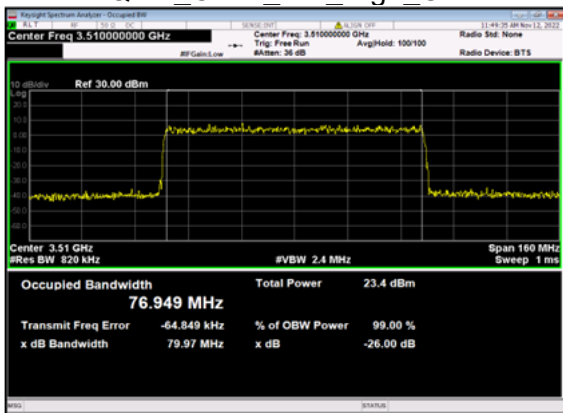
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QAM Outer Full High_CH



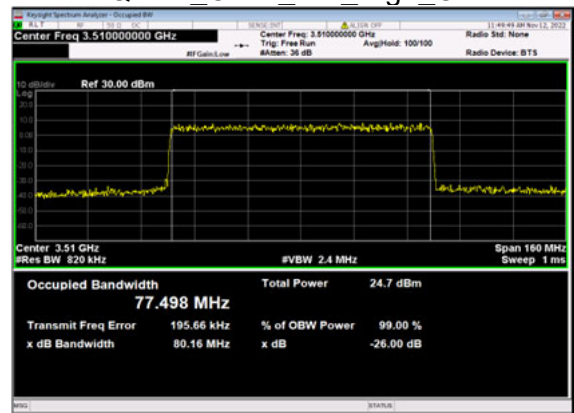
n77(80M)_DFT-s-OFDM_64
QAM Outer Full High_CH



n77(80M)_DFT-s-OFDM_256
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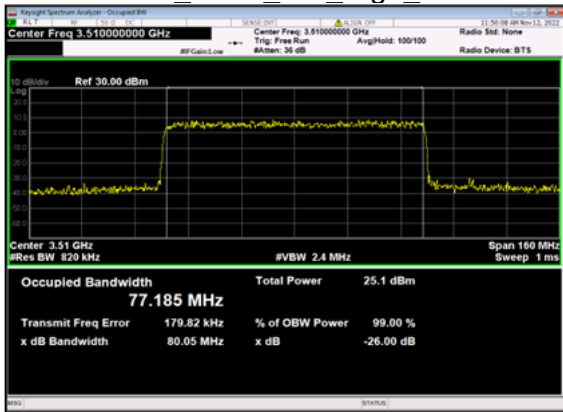


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QPSK Outer Full High_CH

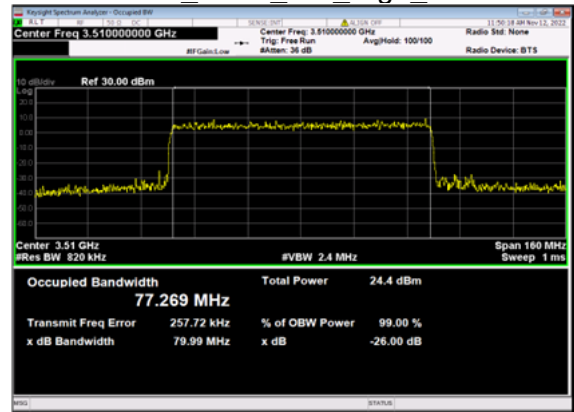




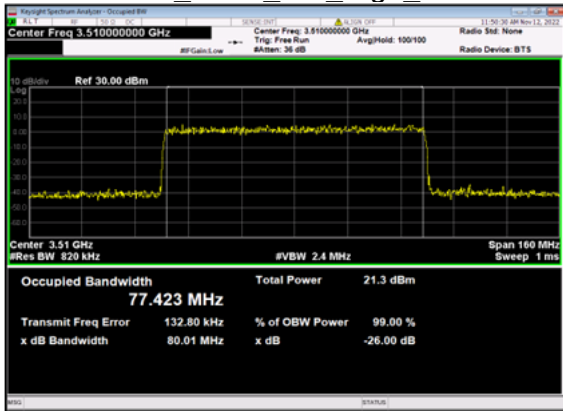
n77(80M)_CP-OFDM_16
QAM Outer Full High CH



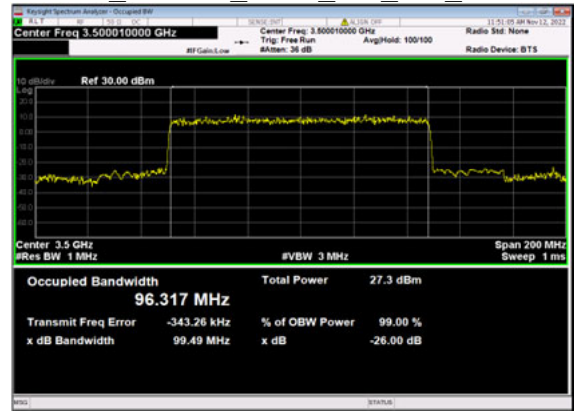
n77(80M)_CP-OFDM_64
QAM Outer Full High CH



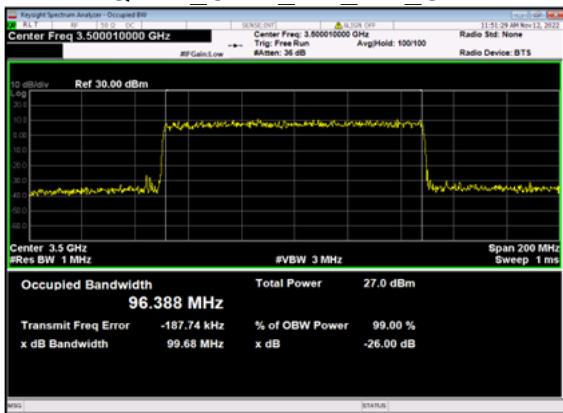
n77(80M)_CP-OFDM_256
QAM Outer Full High CH



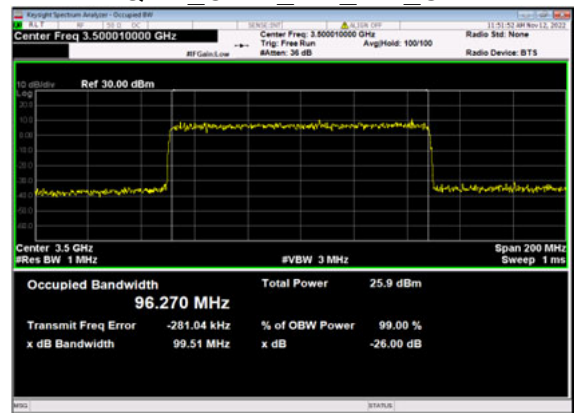
n77(100M)_DFT-s-OFDM_
PI 2-BPSK Outer Full Mid CH



n77(100M)_DFT-s-OFDM_
QPSK Outer Full Mid CH

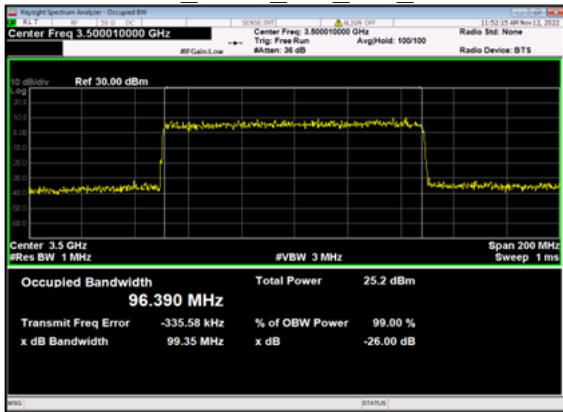


n77(100M)_DFT-s-OFDM_16
QAM Outer Full Mid CH

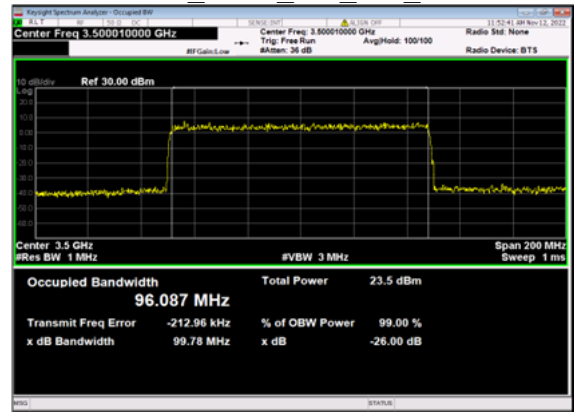




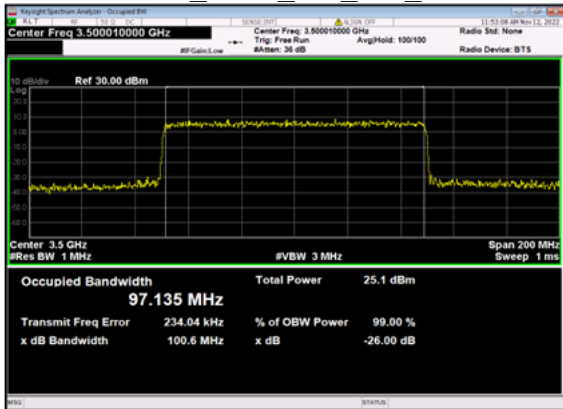
n77(100M)_DFT-s-OFDM_64
QAM Outer Full Mid CH



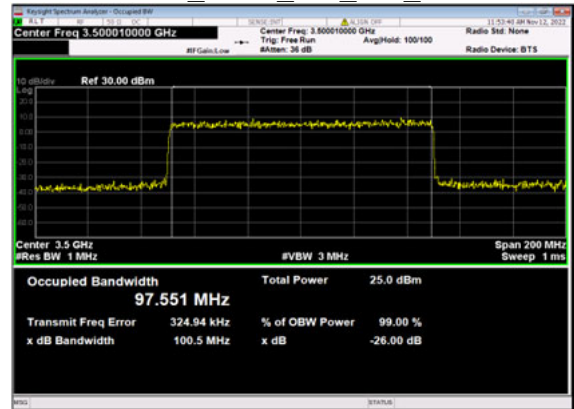
n77(100M)_DFT-s-OFDM_256
QAM Outer Full Mid CH



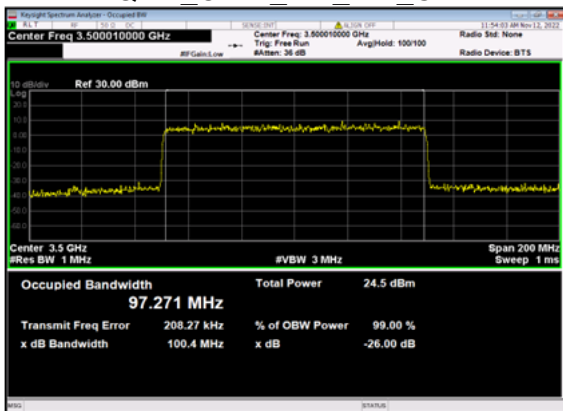
n77(100M)_CP-OFDM_
QPSK Outer Full Mid CH



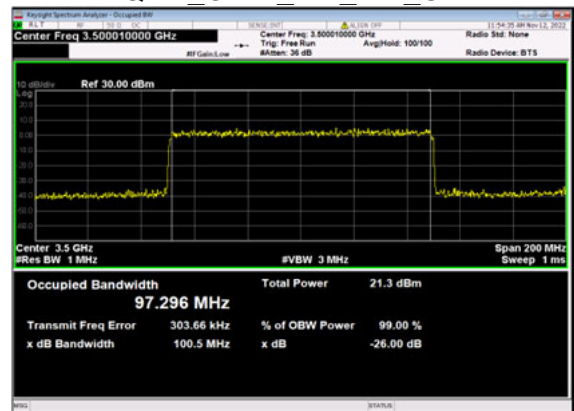
n77(100M)_CP-OFDM_16
QAM Outer Full Mid CH



n77(100M)_CP-OFDM_64
QAM Outer Full Mid CH



n77(100M)_CP-OFDM_256
QAM Outer Full Mid CH



2.3. Frequency Stability

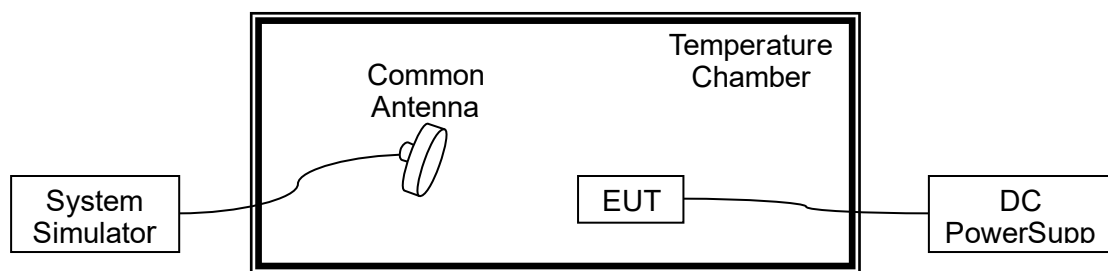
2.3.1. Requirement

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 $+50^{\circ}\text{C}$ 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 40°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 7.78VDC, 8.90VDC and 7.0VDC, which are specified by the applicant; the normal temperature here used is 20°C .



NR n5, QPSK, Channel 176300, SCS 15kHz, Frequency 881.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	51	0.058	PASS
Normal		0	-16	-0.018	
Normal		+10	26	0.029	
Normal		+20	31	0.035	
Normal		+30	-17	-0.019	
Normal		+40	19	0.022	
High	8.90	+20	50	0.057	
BATT.ENDPOINT	7.00	+20	42	0.048	

NR n41, QPSK, Channel 518598, SCS 30kHz, Frequency 2593MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-15	-0.006	PASS
Normal		0	-19	-0.007	
Normal		+10	13	0.005	
Normal		+20	-20	-0.008	
Normal		+30	41	0.016	
Normal		+40	13	0.005	
High	8.90	+20	39	0.015	
BATT.ENDPOINT	7.00	+20	44	0.017	

NR n66, QPSK, Channel 349000, SCS 15kHz, Frequency 1745MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	18	0.010	PASS
Normal		0	-15	-0.009	
Normal		+10	13	0.007	
Normal		+20	-23	-0.013	
Normal		+30	19	0.011	
Normal		+40	29	0.017	
High	8.90	+20	50	0.029	
BATT.ENDPOINT	7.00	+20	16	0.009	



NR n77(3700 MHz ~ 3980 MHz), QPSK, Channel 656000, SCS 30kHz, Frequency 3840MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-13	-0.003	PASS
Normal		0	20	0.005	
Normal		+10	-14	-0.004	
Normal		+20	35	0.009	
Normal		+30	-13	-0.003	
Normal		+40	-20	-0.005	
High	8.90	+20	16	0.004	
BATT.ENDPOINT	7.00	+20	-19	-0.005	

NR n77 (3450 MHz ~ 3550 MHz), QPSK, Channel 633334, SCS 30kHz, Frequency					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-22	-0.006	PASS
Normal		0	19	0.005	
Normal		+10	16	0.005	
Normal		+20	-20	-0.006	
Normal		+30	14	0.004	
Normal		+40	33	0.009	
High	8.90	+20	15	0.004	
BATT.ENDPOINT	7.00	+20	29	0.008	

2.4. Peak to Average Ratio

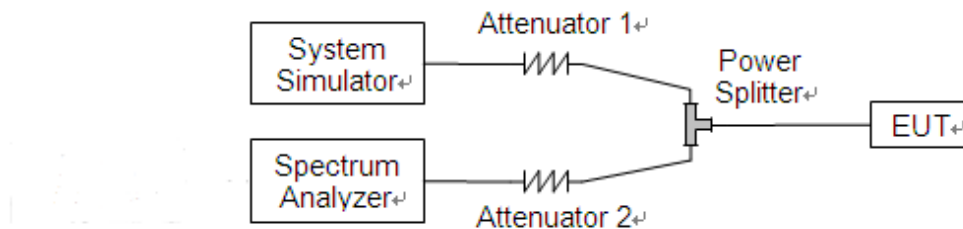
2.4.1. Requirement

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
n66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	25@0	3.91	13	PASS
n66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	1@0	4.62	13	PASS
n66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	1@24	4.02	13	PASS
n66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	5.75	13	PASS
n66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	5.43	13	PASS
n66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@24	5.69	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	25@0	4.21	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	1@0	4.69	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	1@24	4.44	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM QPSK	25@0	5.88	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	5.67	13	PASS
n66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@24	6.07	13	PASS
n66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	25@0	4.31	13	PASS
n66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	1@0	4.61	13	PASS
n66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	1@24	4.67	13	PASS



n66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	5.58	13	PASS
n66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	6.32	13	PASS
n66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@24	5.64	13	PASS
n66	15	5	435500	1777.5	CP-OFDM QPSK	25@0	8.55	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM PI/2 BPSK	50@0	4.04	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM PI/2 BPSK	1@0	4.5	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM PI/2 BPSK	1@51	4.34	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM QPSK	50@0	5.81	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM QPSK	1@0	6.32	13	PASS
n66	15	10	423000	1715.0	DFT-s-OFDM QPSK	1@51	5.68	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	50@0	4.38	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	1@0	4.68	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	1@51	4.52	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM QPSK	50@0	5.96	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM QPSK	1@0	6.55	13	PASS
n66	15	10	429000	1745.0	DFT-s-OFDM QPSK	1@51	5.51	13	PASS



n66	15	10	435000	1775.0	DFT-s-OFDM PI/2 BPSK	50@0	4.38	13	PASS
n66	15	10	435000	1775.0	DFT-s-OFDM PI/2 BPSK	1@0	4.81	13	PASS
n66	15	10	435000	1775.0	DFT-s-OFDM PI/2 BPSK	1@51	4.67	13	PASS
n66	15	10	435000	1775.0	DFT-s-OFDM QPSK	50@0	5.9	13	PASS
n66	15	10	435000	1775.0	DFT-s-OFDM QPSK	1@0	6.41	13	PASS
n66	15	10	435000	1775.0	DFT-s-OFDM QPSK	1@51	5.96	13	PASS

n77(3700-3980MHz)									
n77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	4.66	13	PASS
n77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	4.37	13	PASS
n77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@50	3.99	13	PASS
n77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	5.33	13	PASS
n77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	4.31	13	PASS
n77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@50	4.27	13	PASS
n77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	4.58	13	PASS
n77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	4.94	13	PASS
n77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@50	3.81	13	PASS



n77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.12	13	PASS
n77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.16	13	PASS
n77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@50	4.52	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	4.5	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	3.61	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@50	3.97	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	5.21	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	8.2	13	PASS
n77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	4.94	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	75@0	6.96	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@0	3.77	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@77	4.11	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM QPSK	75@0	5.77	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@0	4.44	13	PASS
n77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@77	4.6	13	PASS
n77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	7.04	13	PASS



n77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	3.87	13	PASS
n77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@77	4.07	13	PASS
n77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	5.78	13	PASS
n77	30	30	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.08	13	PASS
n77	30	30	656000	3840.0	DFT-s-OFDM QPSK	1@77	4.97	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	75@0	6.95	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@0	3.63	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@77	4.02	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM QPSK	75@0	5.8	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@0	4.91	13	PASS
n77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@77	4.04	13	PASS
n77	30	40	648000	3720.0	DFT-s-OFDM PI/2 BPSK	100@0	6.88	13	PASS
n77	30	40	648000	3720.0	DFT-s-OFDM PI/2 BPSK	1@0	3.67	13	PASS
n77	30	40	648000	3720.0	DFT-s-OFDM PI/2 BPSK	1@105	4.07	13	PASS
n77	30	40	648000	3720.0	DFT-s-OFDM QPSK	100@0	6.11	13	PASS
n77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	4.35	13	PASS



n77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@105	4.02	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	6.82	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	3.9	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@105	4.13	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	6.15	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@0	4.96	13	PASS
n77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@105	4.06	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM PI/2 BPSK	100@0	6.88	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM PI/2 BPSK	1@0	3.63	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM PI/2 BPSK	1@105	4.06	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM QPSK	100@0	6.12	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@0	4.89	13	PASS
n77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@105	4.07	13	PASS
n77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	162@0	9.6	13	PASS
n77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@0	3.58	13	PASS
n77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@161	4.01	13	PASS



n77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	6.45	13	PASS
n77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	4.66	13	PASS
n77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@161	4.39	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	7.22	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	4.7	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@161	3.94	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	6.32	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.3	13	PASS
n77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@161	4.28	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	162@0	7.3	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@0	4.17	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@161	4.06	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	6.38	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	4.6	13	PASS
n77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	4.4	13	PASS
n77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	216@0	6.58	13	PASS



n77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@0	3.01	13	PASS
n77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@216	3.25	13	PASS
n77	30	80	649334	3740.01	DFT-s-OFDM QPSK	216@0	6.43	13	PASS
n77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@0	4.7	13	PASS
n77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@216	4.56	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	6.75	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	3.62	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@216	3.94	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	6.21	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.49	13	PASS
n77	30	80	656000	3840.0	DFT-s-OFDM QPSK	1@216	5.57	13	PASS
n77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	216@0	6.4	13	PASS
n77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@0	4.47	13	PASS
n77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@216	4.01	13	PASS
n77	30	80	662666	3939.99	DFT-s-OFDM QPSK	216@0	6.58	13	PASS
n77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@0	4.7	13	PASS



n77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@216	5.03	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	6.12	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	3.24	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@272	4.32	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	7.55	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	4.67	13	PASS
n77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	4.34	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	6.18	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	4.6	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@272	4.44	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	7.35	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.64	13	PASS
n77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@272	4.65	13	PASS
n77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	270@0	6.01	13	PASS
n77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	1@0	7.19	13	PASS
n77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	1@272	4.49	13	PASS



n77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	7.39	13	PASS
n77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	4.93	13	PASS
n77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	4.97	13	PASS

n77(3450-3550MHz)									
n77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	7.28	13	PASS
n77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.62	13	PASS
n77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@50	7.68	13	PASS
n77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.39	13	PASS
n77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	4.08	13	PASS
n77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@50	4.07	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	4.54	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.64	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	4.64	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	6.01	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	4.1	13	PASS
n77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@50	4.09	13	PASS



n77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	4.63	13	PASS
n77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.6	13	PASS
n77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@50	4.65	13	PASS
n77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	5.85	13	PASS
n77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	5.43	13	PASS
n77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	5.42	13	PASS
n77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@50	6.86	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	75@0	7.02	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@0	4.63	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@77	6.37	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM QPSK	75@0	5.91	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@0	5.44	13	PASS
n77	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@77	6.56	13	PASS
n77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	7.03	13	PASS
n77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.63	13	PASS
n77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	4.63	13	PASS



n77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	5.93	13	PASS
n77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.44	13	PASS
n77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@77	5.4	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	75@0	7.02	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@0	4.63	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@77	4.62	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	5.95	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@0	4.91	13	PASS
n77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@77	4.72	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	100@0	6.83	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@0	3.85	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@105	4.1	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	5.97	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@0	4.49	13	PASS
n77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@105	4.93	13	PASS
n77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	6.84	13	PASS



n77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	3.82	13	PASS
n77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@105	3.98	13	PASS
n77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.97	13	PASS
n77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.14	13	PASS
n77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@105	4.42	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	100@0	6.85	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@0	3.83	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@105	4.14	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	5.96	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@0	4.55	13	PASS
n77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@105	4.52	13	PASS
n77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	162@0	7.25	13	PASS
n77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@0	4.75	13	PASS
n77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@161	3.88	13	PASS
n77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	6.04	13	PASS
n77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	5.53	13	PASS



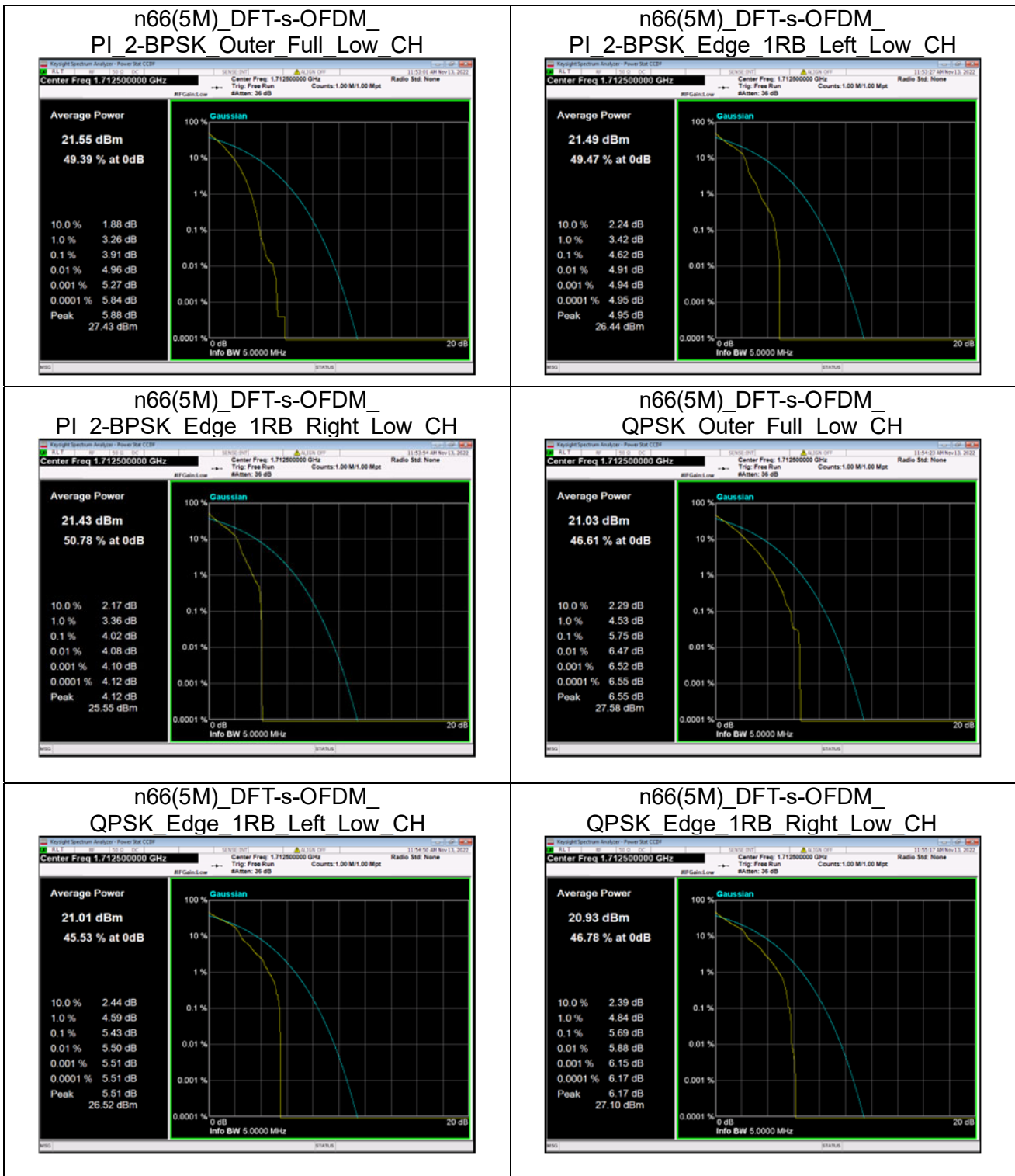
n77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@161	4.32	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	7.27	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.81	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@161	3.86	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	6.05	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.58	13	PASS
n77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@161	4.25	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	162@0	7.26	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@0	4.82	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@161	3.96	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	6.05	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	5.55	13	PASS
n77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	4.32	13	PASS
n77	30	80	632668	3519.99	DFT-s-OFDM PI/2 BPSK	216@0	10.38	13	PASS
n77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@0	4.74	13	PASS
n77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@216	3.38	13	PASS



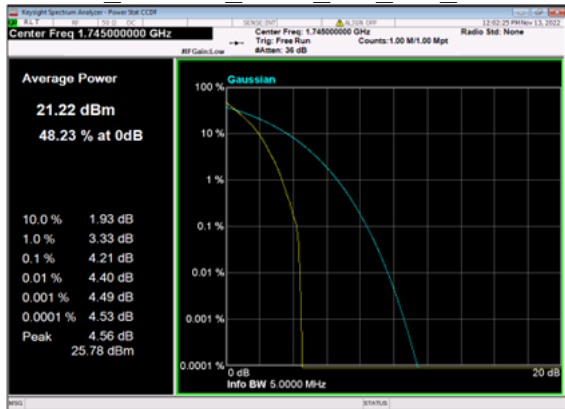
n77	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	6.16	13	PASS
n77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	5.63	13	PASS
n77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@216	4.58	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	7.11	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.83	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@216	3.72	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	6.2	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.65	13	PASS
n77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@216	4.2	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	216@0	7.11	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@0	4.75	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@216	3.76	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM QPSK	216@0	6.19	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@0	5.68	13	PASS
n77	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@216	4.19	13	PASS
n77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	7.02	13	PASS



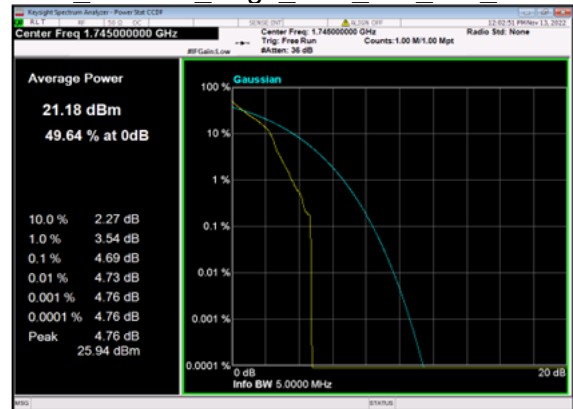
n77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.76	13	PASS
n77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@272	3.57	13	PASS
n77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	6.32	13	PASS
n77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.66	13	PASS
n77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	4.05	13	PASS



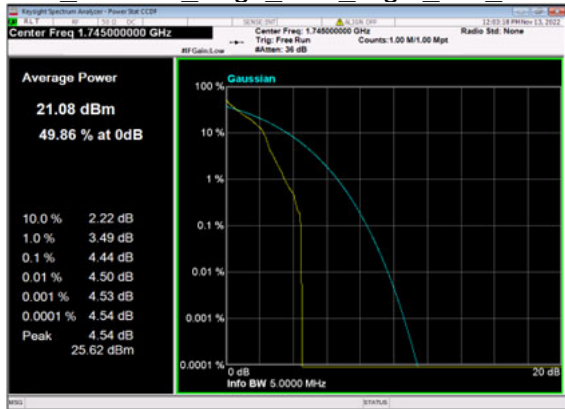
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PI 2-BPSK Outer Full Mid CH



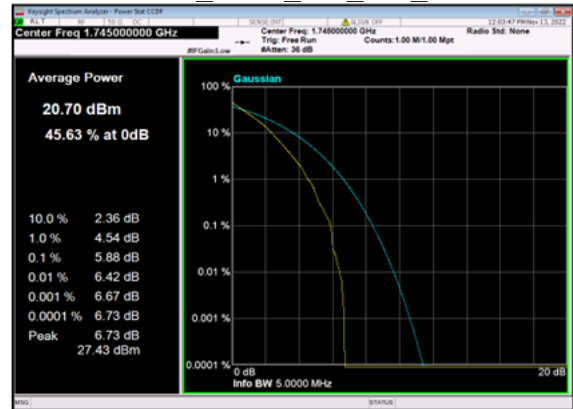
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PI 2-BPSK Edge 1RB Left Mid CH



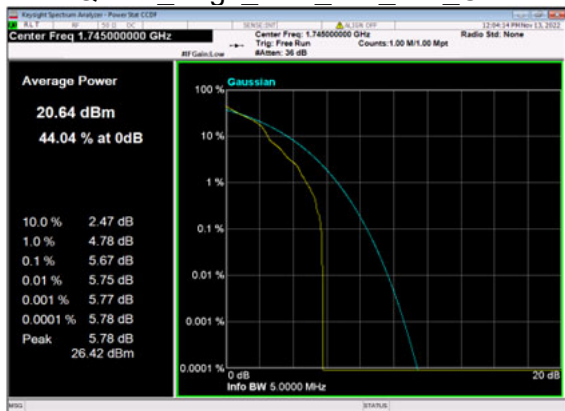
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PI 2-BPSK Edge 1RB Right Mid CH



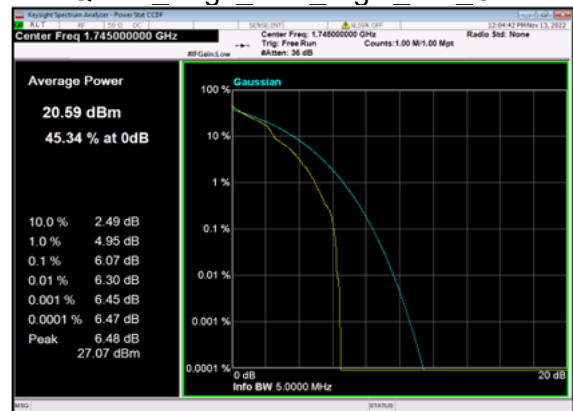
n66(5M)_DFT-s-OFDM_
QPSK Outer Full Mid CH



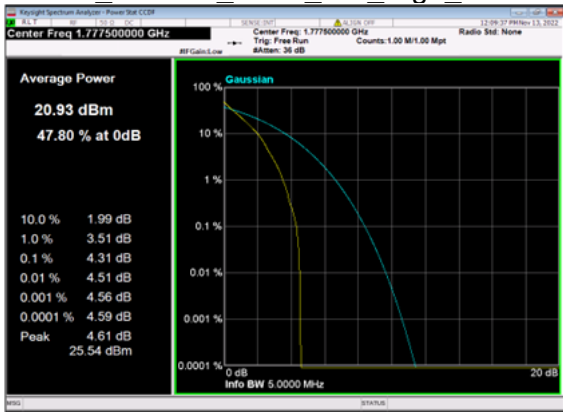
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QPSK Edge 1RB Left Mid CH



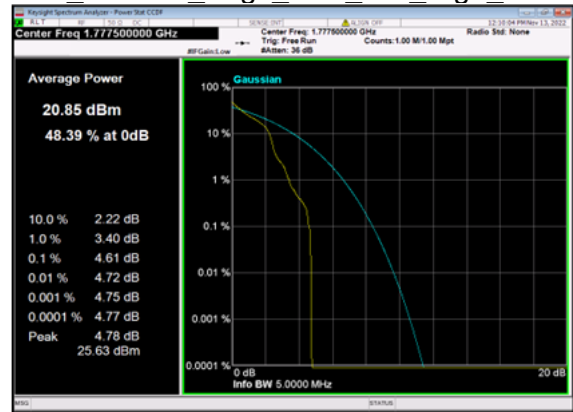
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QPSK Edge 1RB Right Mid CH



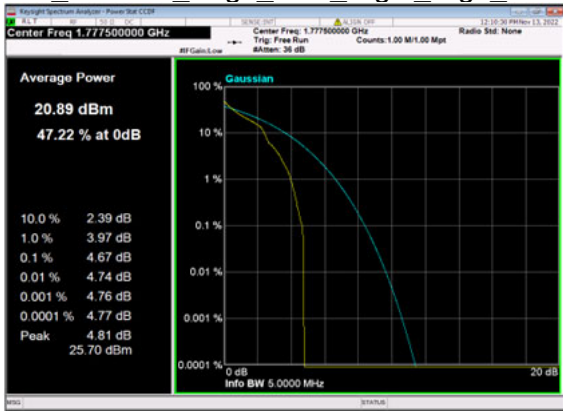
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PI 2-BPSK Outer Full High CH



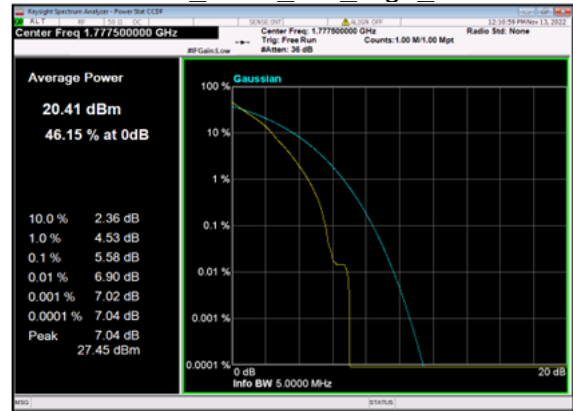
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PI 2-BPSK Edge 1RB Left High CH



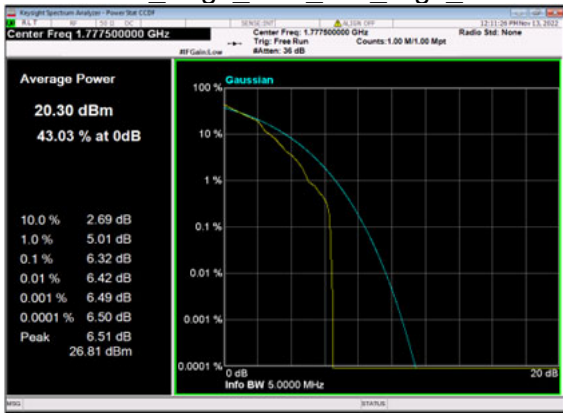
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PI 2-BPSK Edge 1RB Right High CH



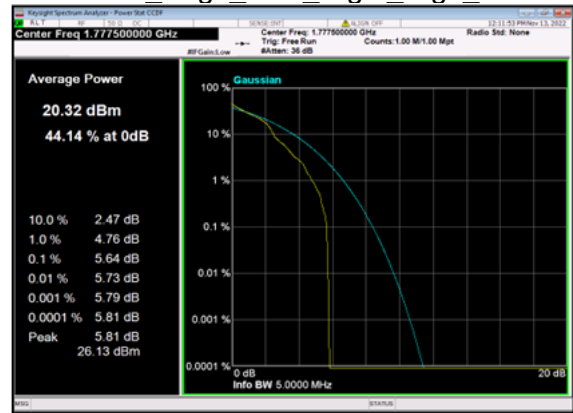
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QPSK Outer Full High CH



n66(5M)_DFT-s-OFDM_
QPSK Edge 1RB Left High CH

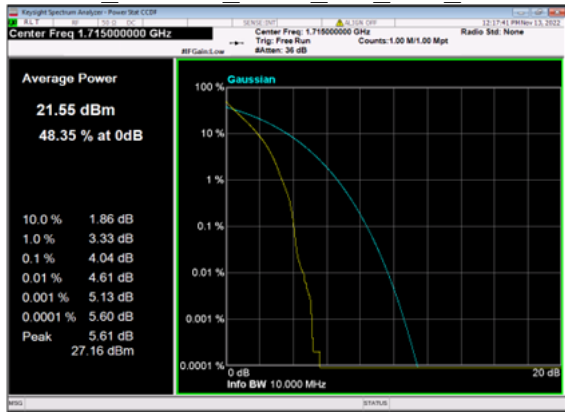


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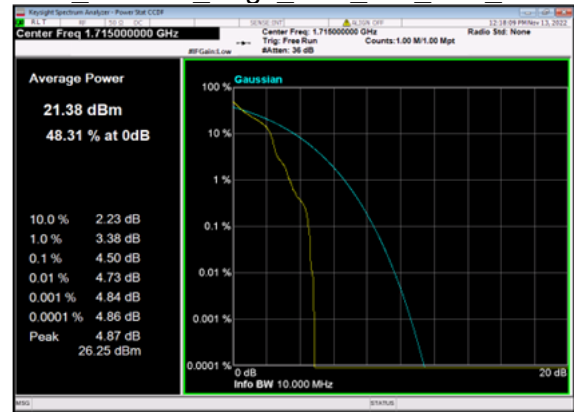




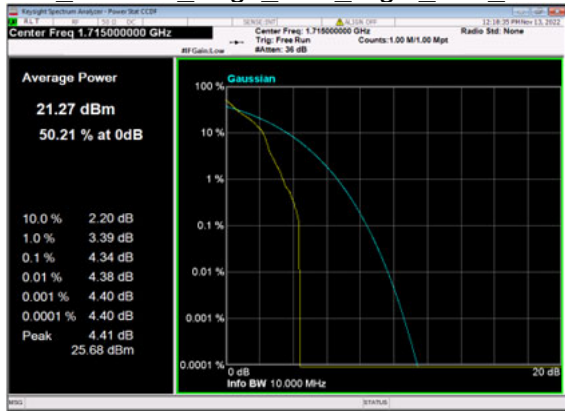
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PI 2-BPSK Outer Full Low CH



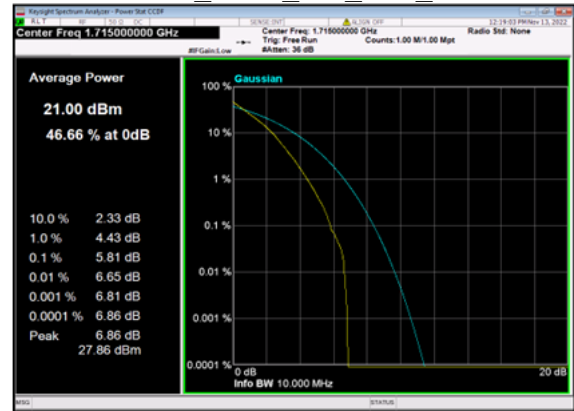
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PI 2-BPSK Edge 1RB Left Low CH



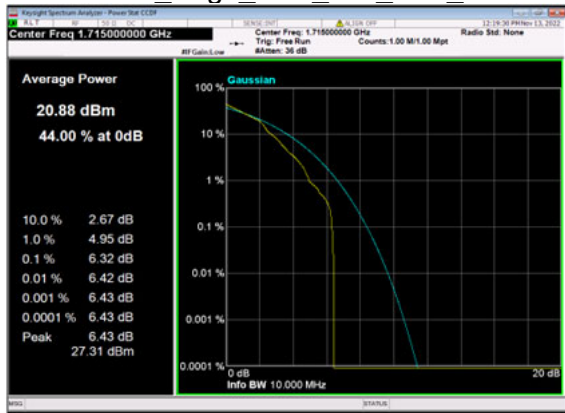
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PI 2-BPSK Edge 1RB Right Low CH



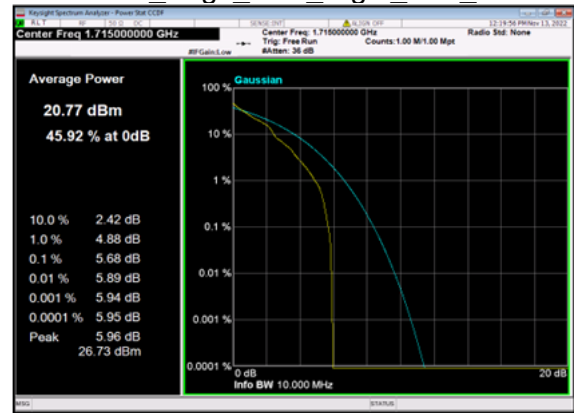
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QPSK Outer Full Low CH



n66(10M)_DFT-s-OFDM_
QPSK Edge 1RB Left Low CH

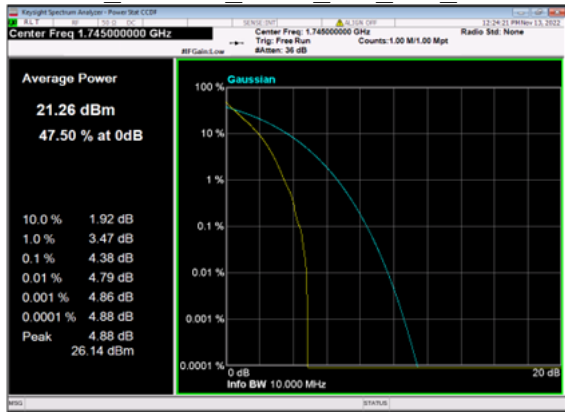


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QPSK Edge 1RB Right Low CH

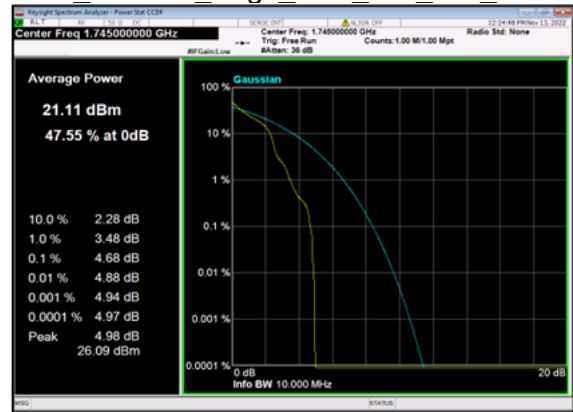




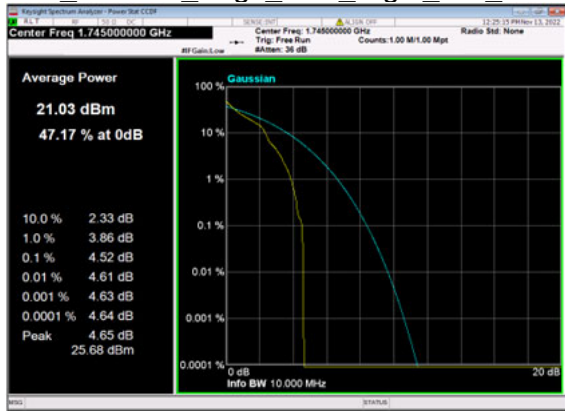
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PI 2-BPSK Outer Full Mid CH



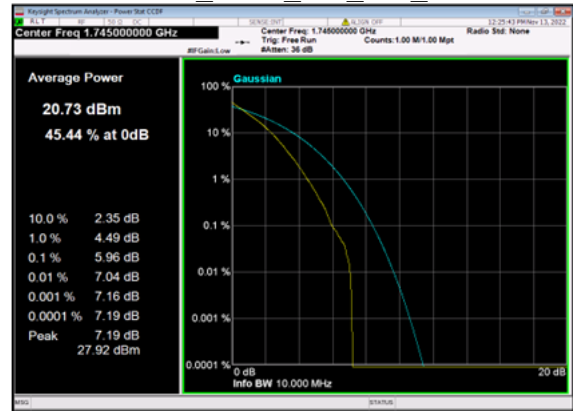
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PI 2-BPSK Edge 1RB Left Mid CH



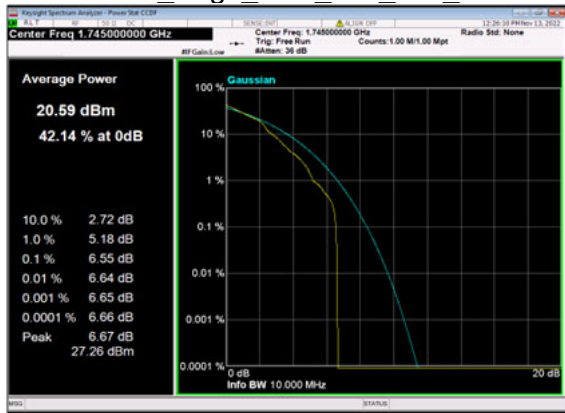
n66(10M)_DFT-s-OFDM_
PI 2-BPSK Edge 1RB Right Mid CH



n66(10M)_DFT-s-OFDM_
QPSK Outer Full Mid CH



n66(10M)_DFT-s-OFDM_
QPSK Edge 1RB Left Mid CH



n66(10M)_DFT-s-OFDM_
QPSK Edge 1RB Right Mid CH

