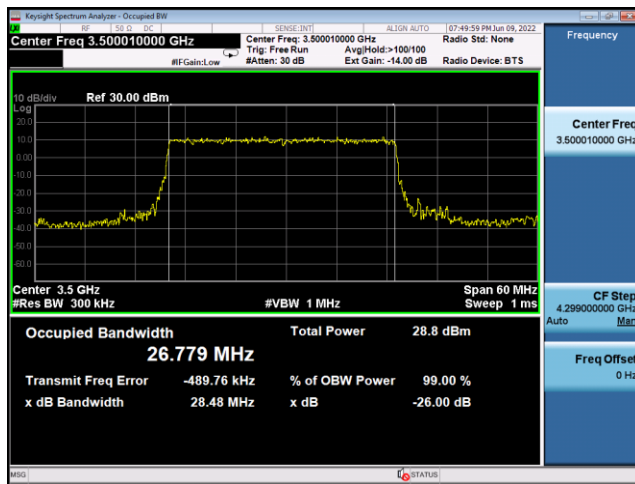
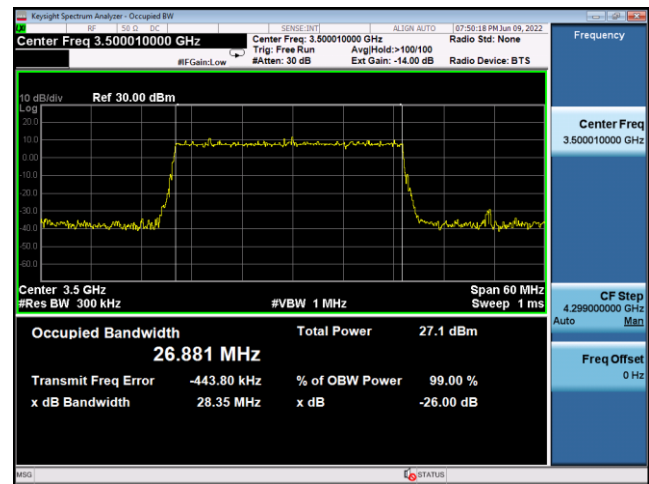


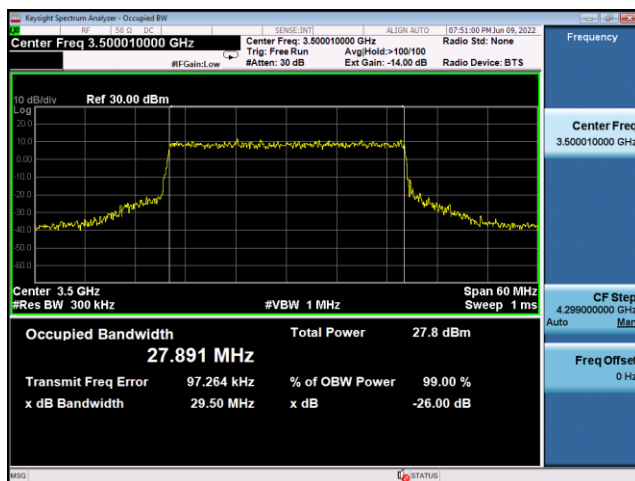
N78(30M)_DFT-s-OFDM_64QAM_ Outer_Full_Mid_CH



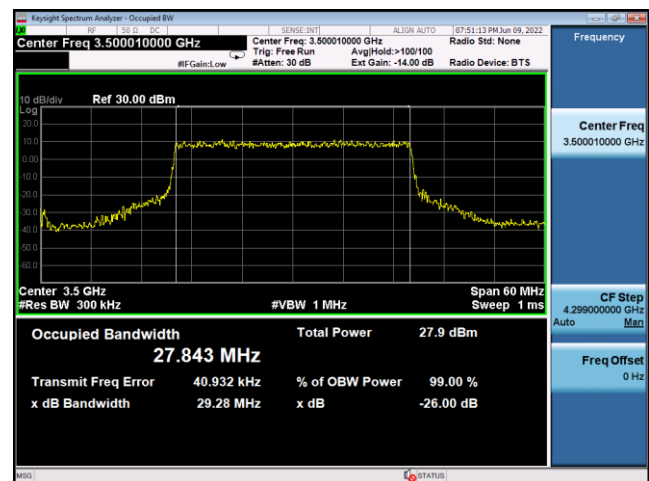
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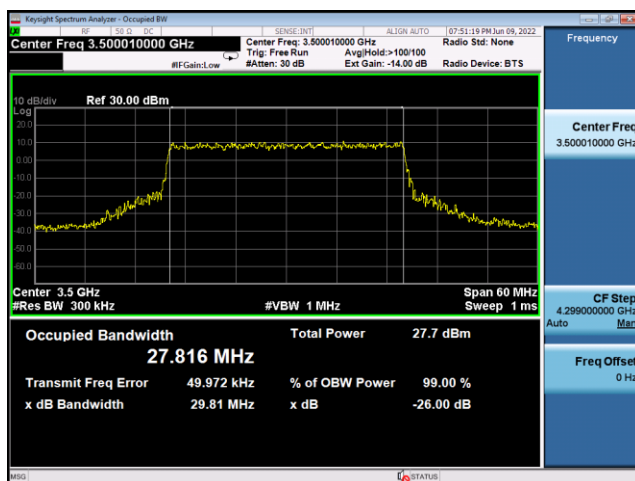
N78(30M)_CP-OFDM_QPSK_ Outer_Full_Mid_CH



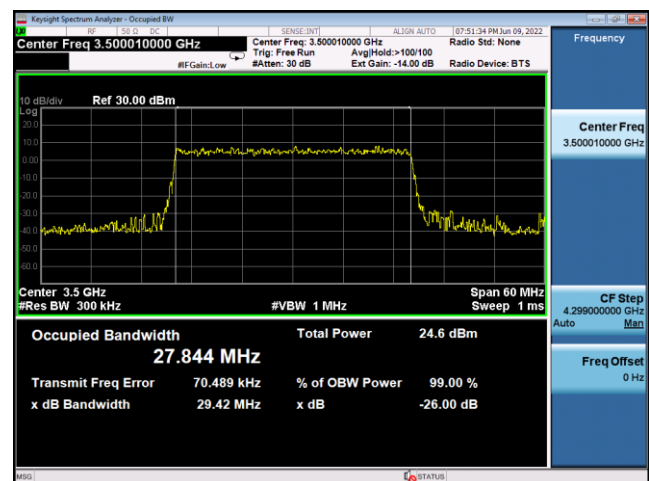
N78(30M)_CP-OFDM_16QAM_ Outer_Full_Mid_CH



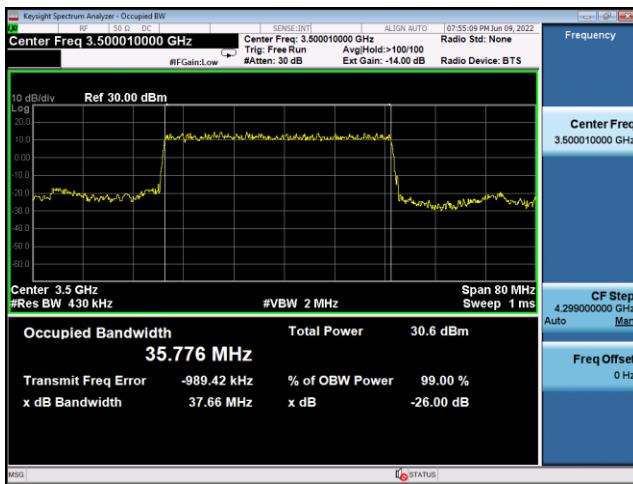
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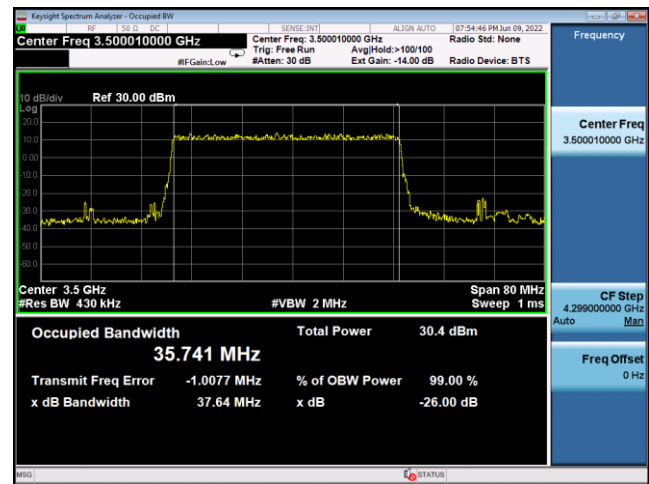
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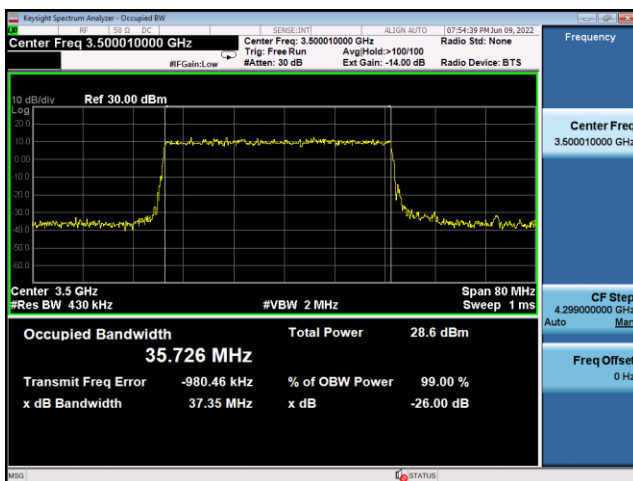
N78(40M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



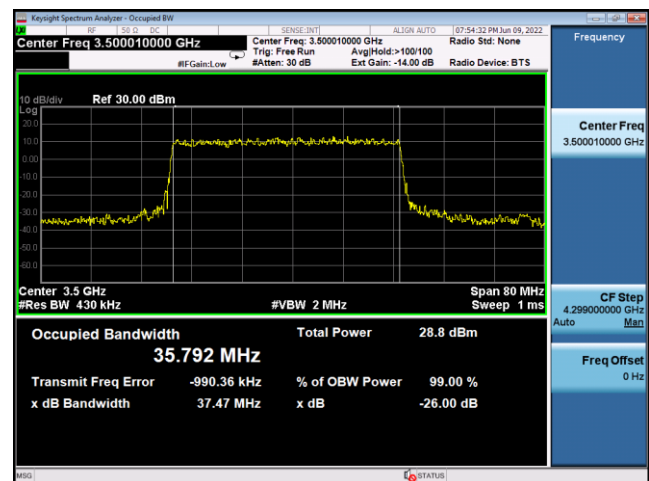
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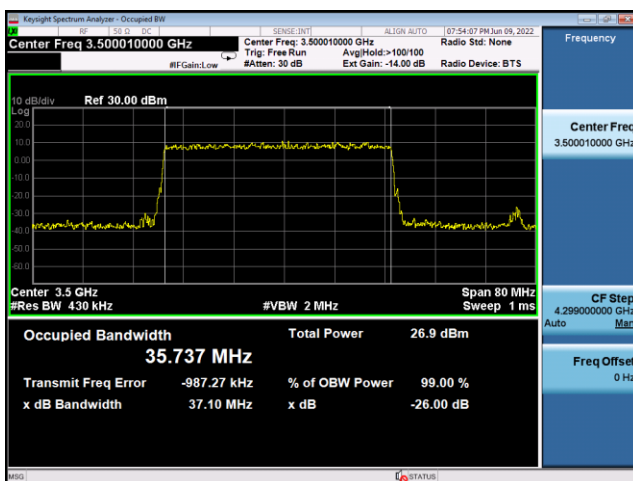
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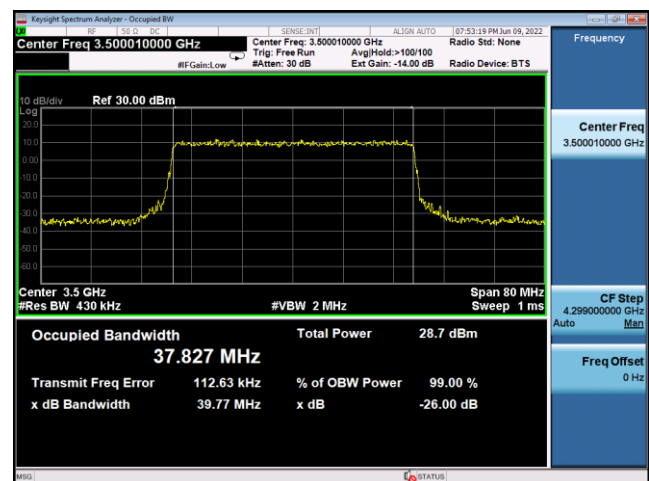
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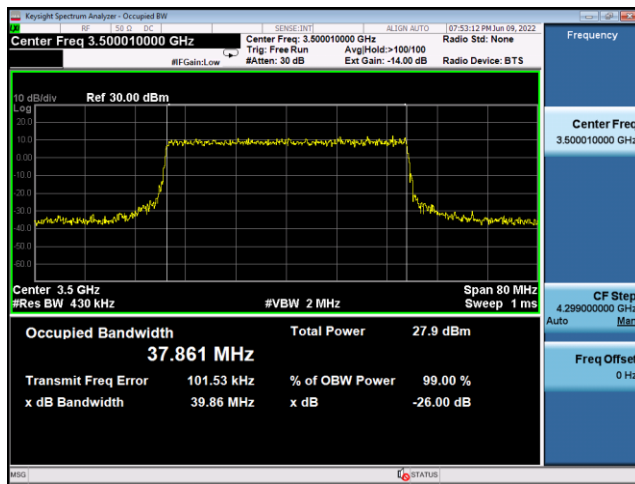
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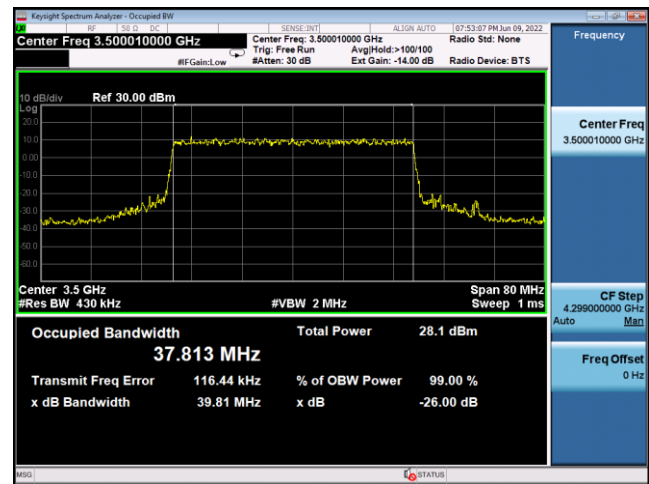
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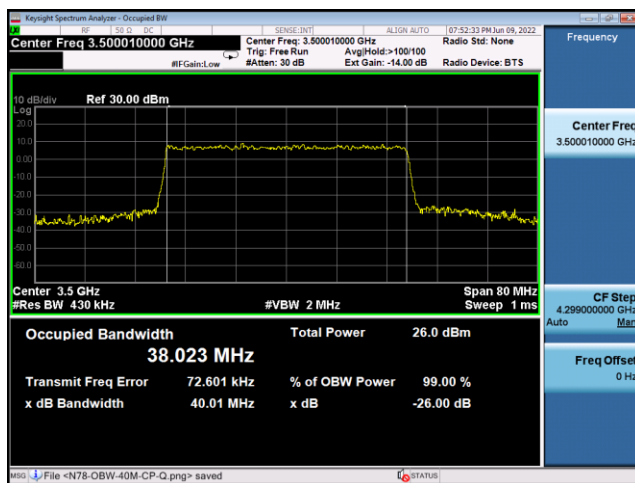
N78(40M)_CP-OFDM_16QAM_ Outer_Full_Mid_CH



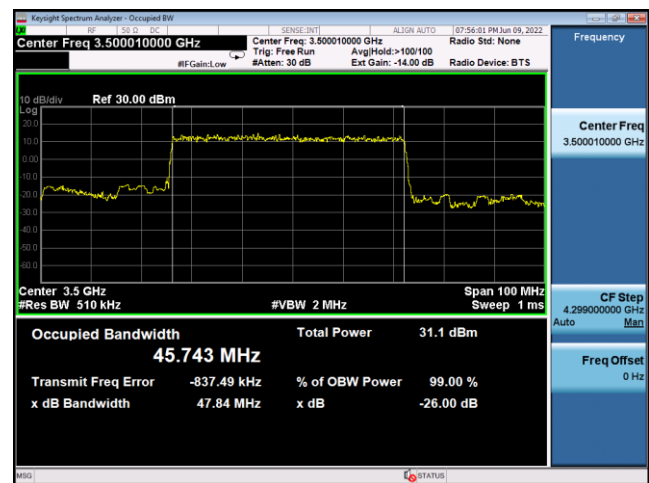
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N78(40M)_CP-OFDM_256QAM_ Outer_Full_Mid_CH



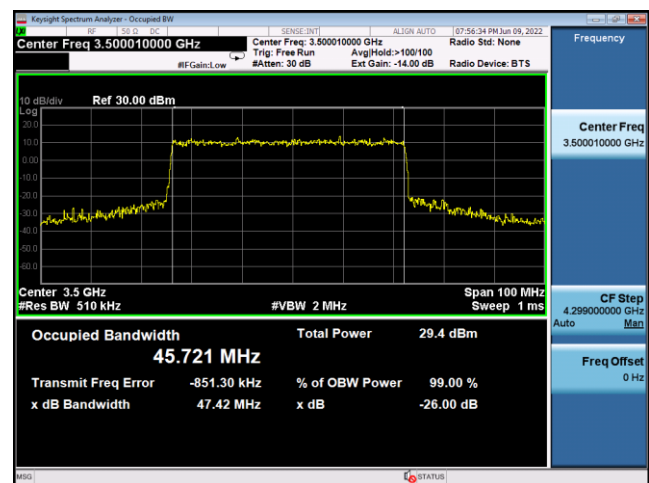
N78(50M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



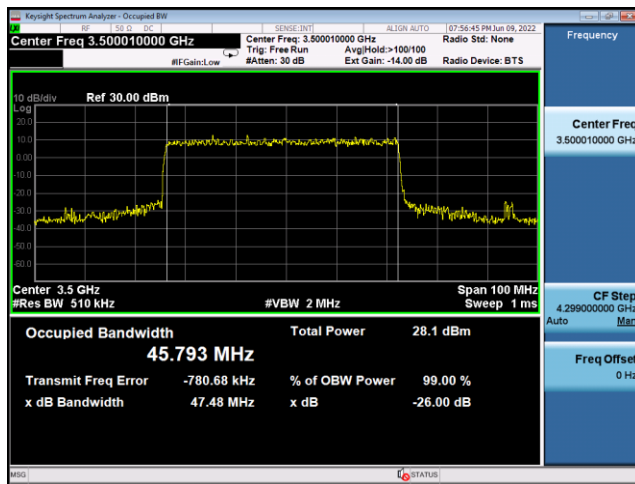
N78(50M)_DFT-s-OFDM_QPSK_ Outer_Full_Mid_CH



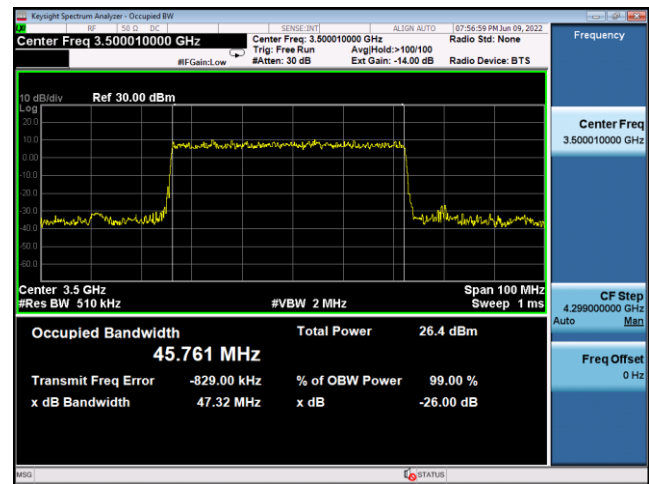
N78(50M)_DFT-s-OFDM_16QAM_ Outer_Full_Mid_CH



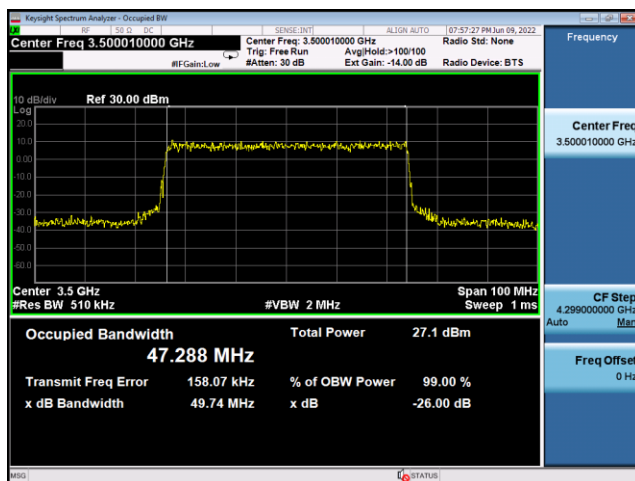
N78(50M)_DFT-s-OFDM_64QAM_ Outer_Full_Mid_CH



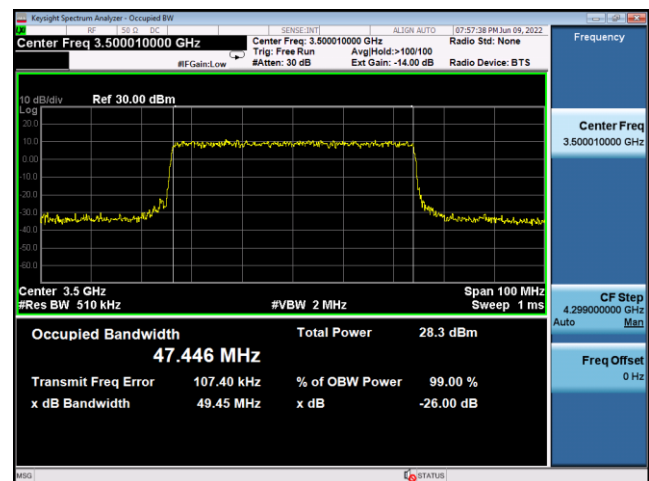
N78(50M)_DFT-s-OFDM_256QAM_ Outer_Full_Mid_CH



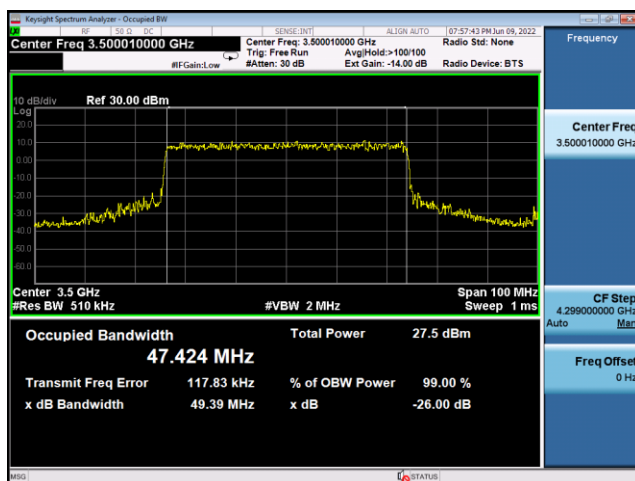
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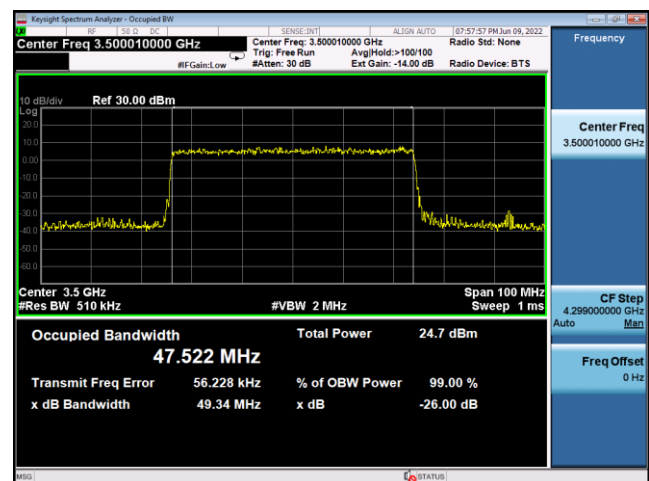
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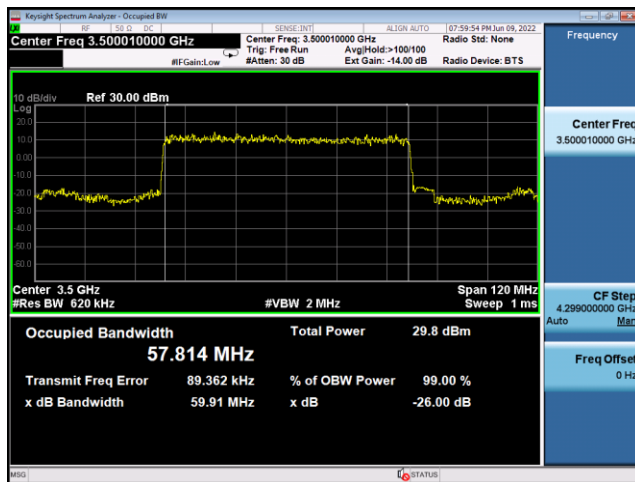
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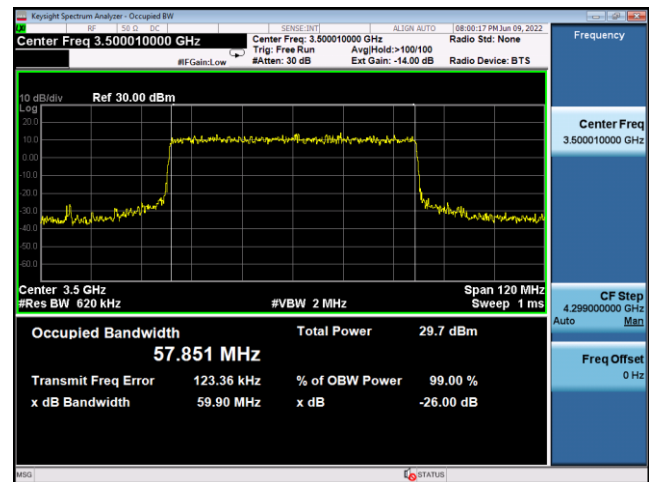
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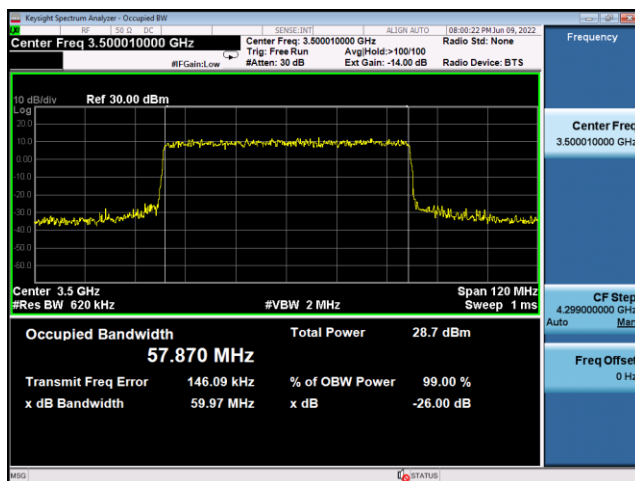
N78(60M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



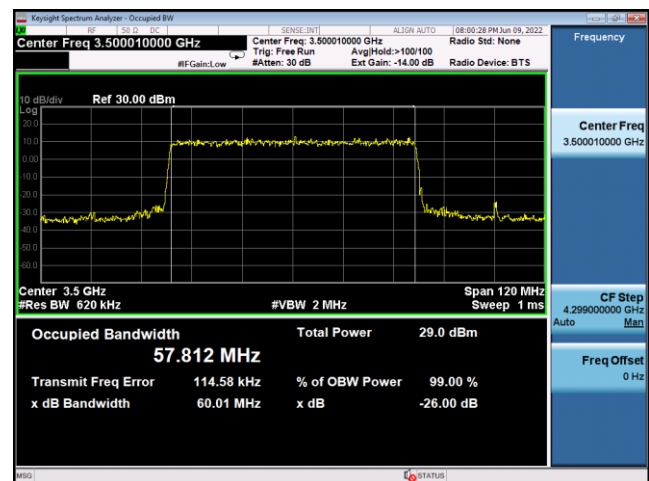
N78(60M)_DFT-s-OFDM_QPSK_ Outer_Full_Mid_CH



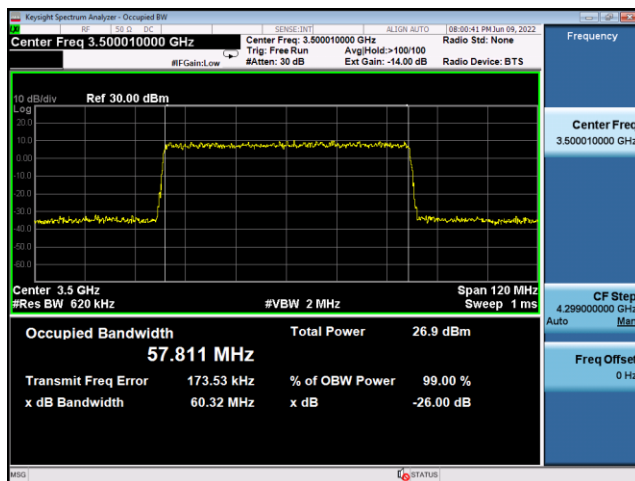
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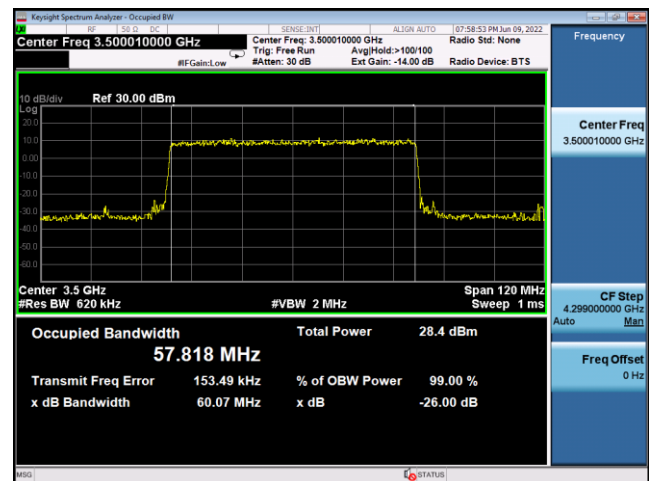
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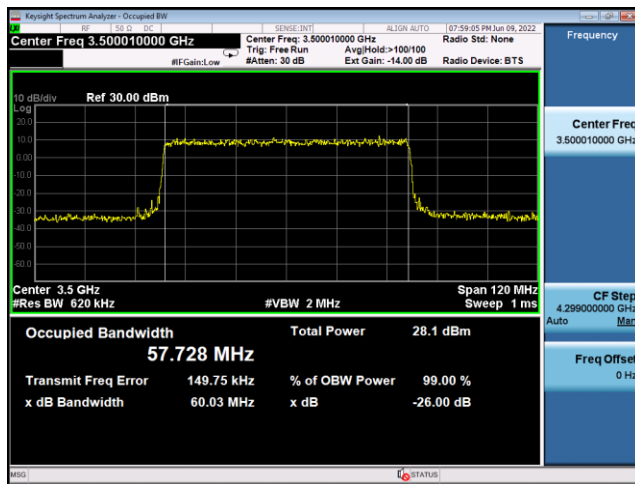
N78(60M)_DFT-s-OFDM_256QAM_ Outer_Full_Mid_CH



N78(60M)_CP-OFDM_QPSK_ Outer_Full_Mid_CH



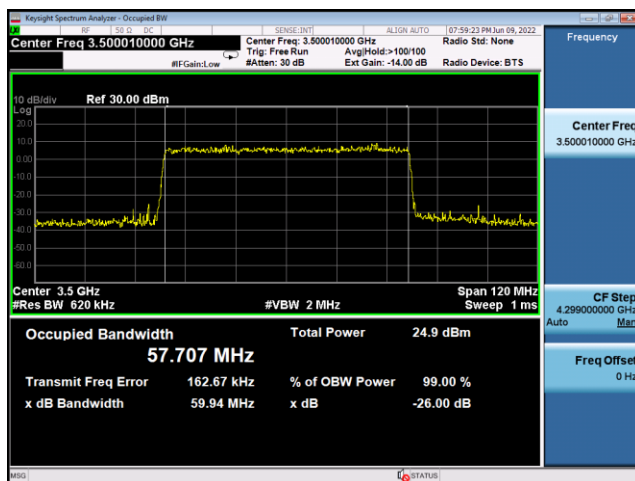
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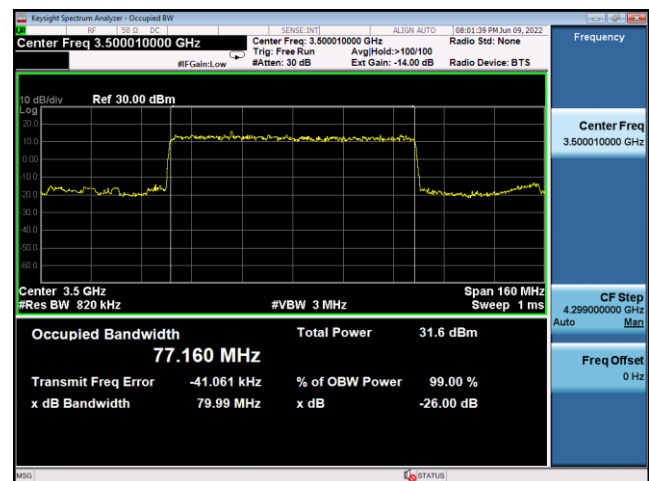
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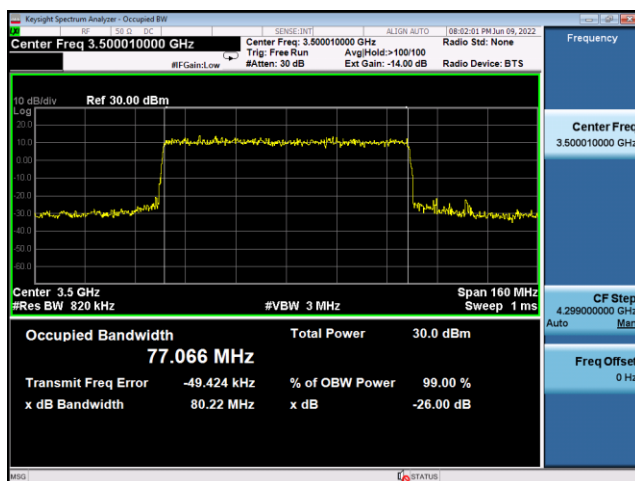
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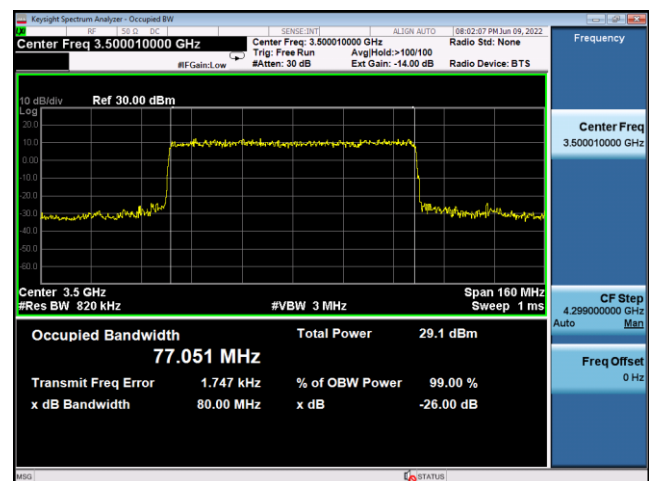
N78(80M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



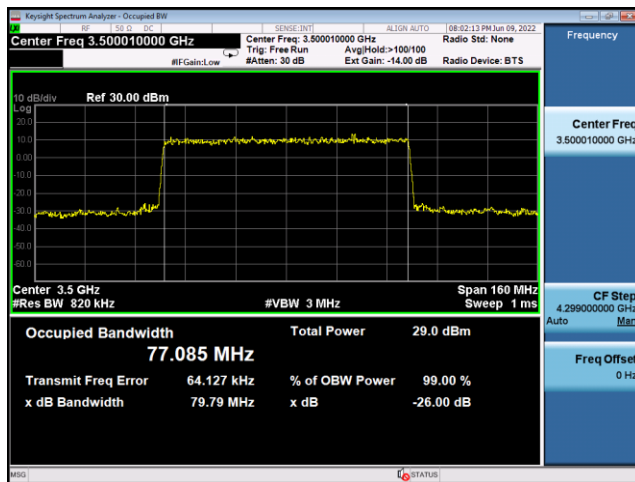
N78(80M)_DFT-s-OFDM_QPSK_ Outer_Full_Mid_CH



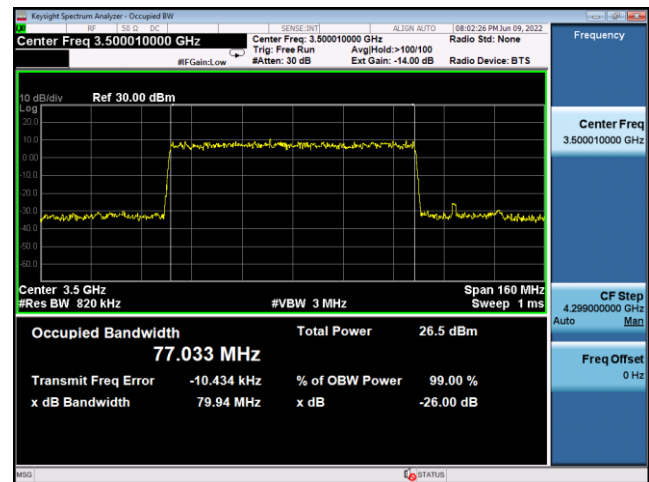
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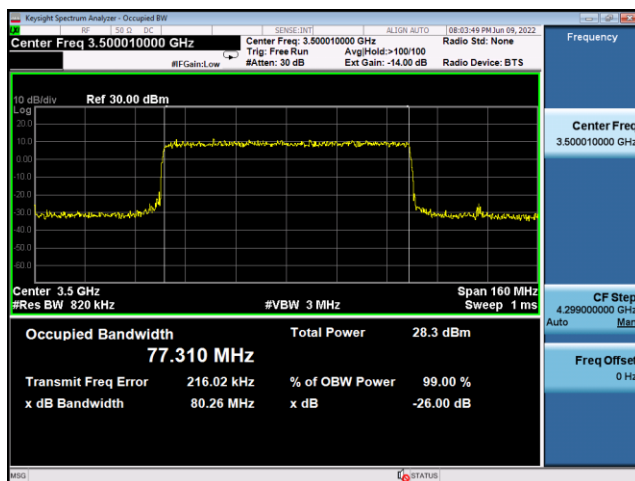
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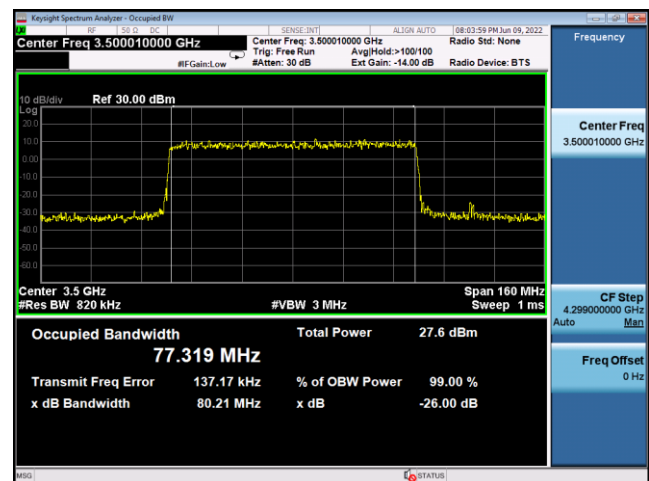
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N78(80M)_CP-OFDM_QPSK_ Outer_Full_Mid_CH



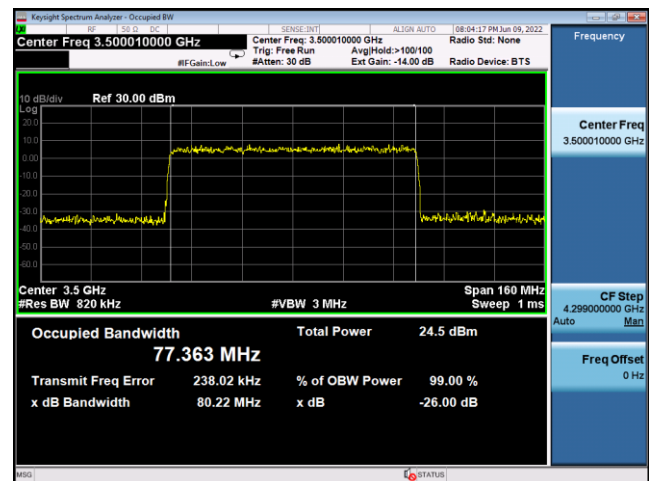
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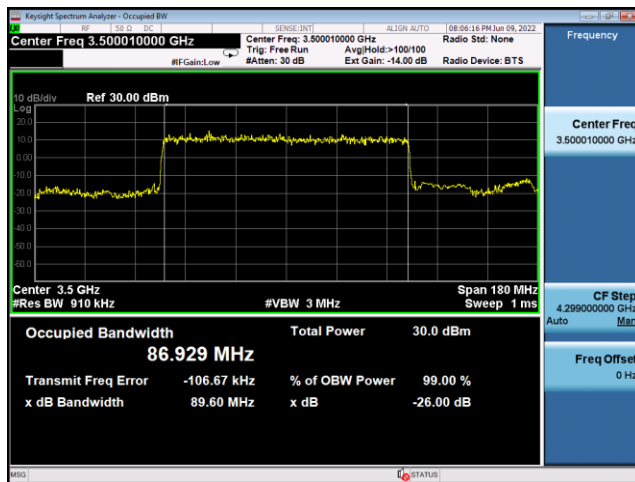
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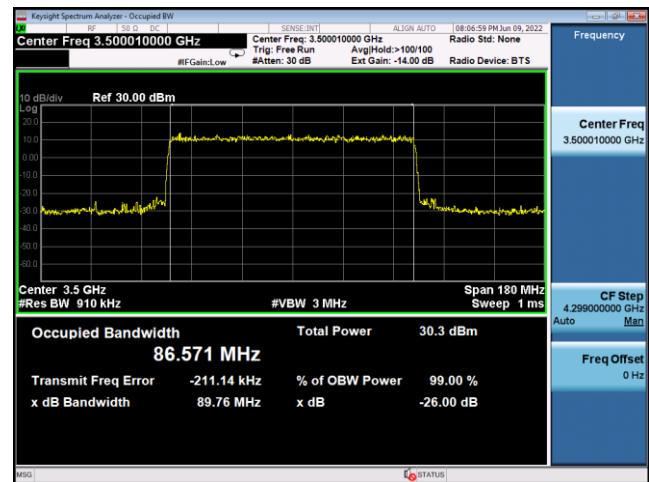
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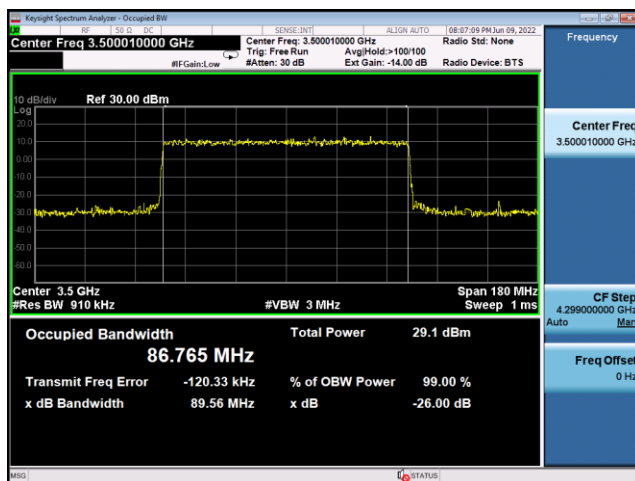
N78(90M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



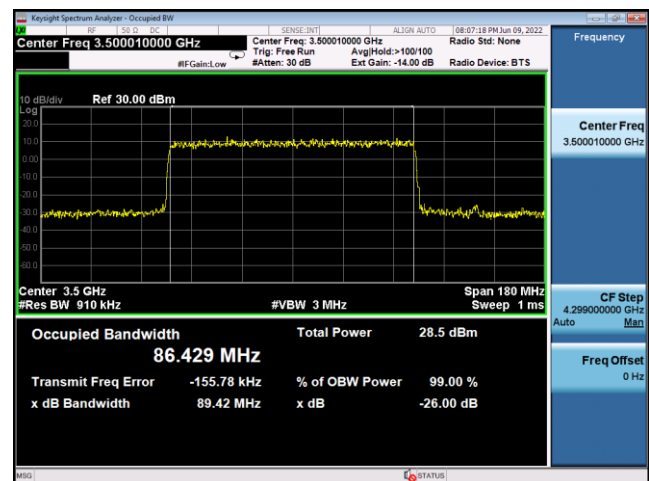
N78(90M)_DFT-s-OFDM_QPSK_ Outer_Full_Mid_CH



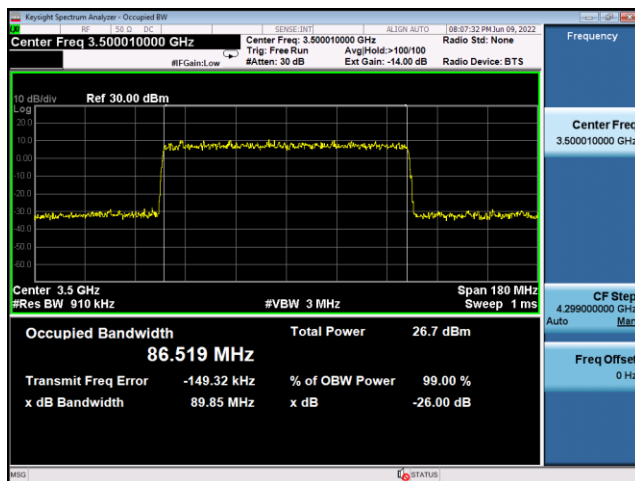
N78(90M)_DFT-s-OFDM_16QAM_ Outer_Full_Mid_CH



N78(90M)_DFT-s-OFDM_64QAM_ Outer_Full_Mid_CH



N78(90M)_DFT-s-OFDM_256QAM_ Outer_Full_Mid_CH



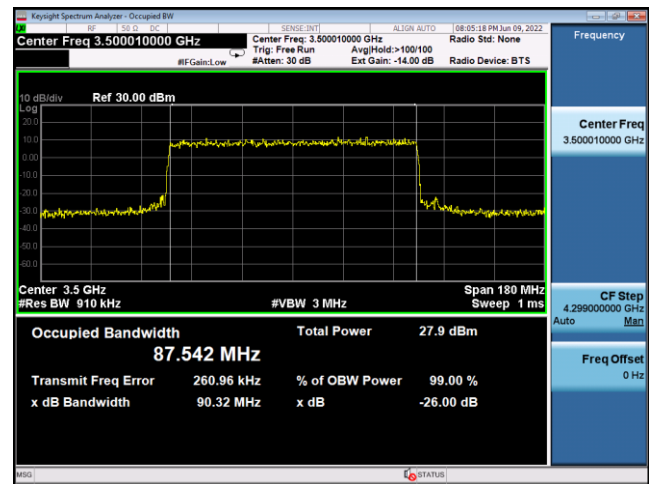
N78(90M)_CP-OFDM_QPSK_ Outer_Full_Mid_CH



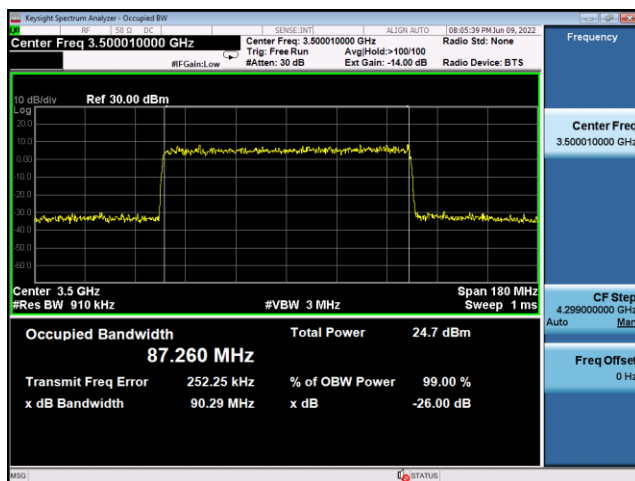
N78(90M)_CP-OFDM_16QAM_ Outer_Full_Mid_CH



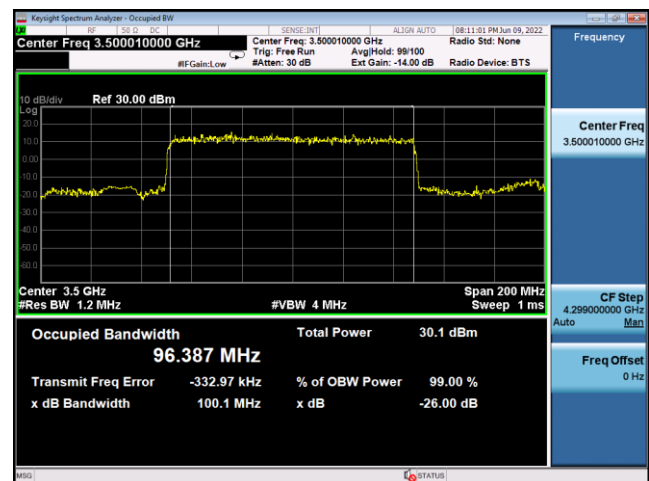
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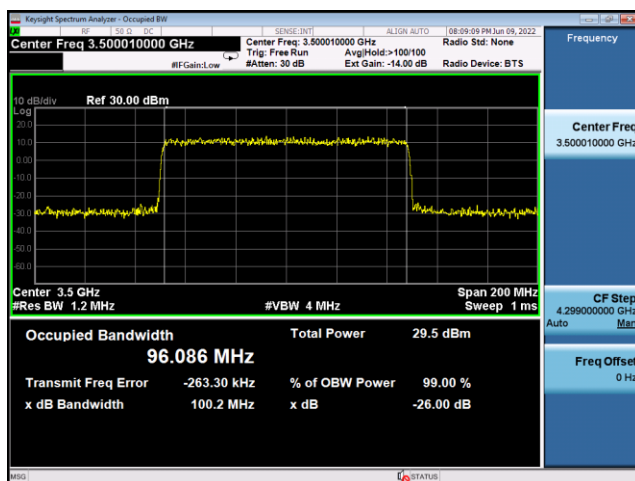
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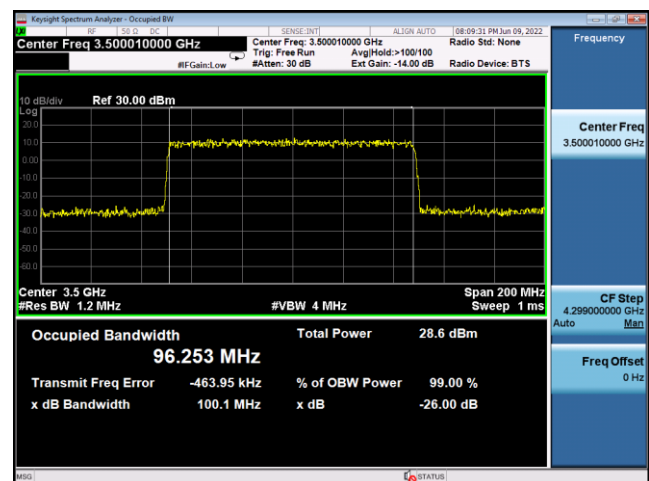
N78(100M)_DFT-s-OFDM_PI_2-BPSK_ Outer_Full_Mid_CH



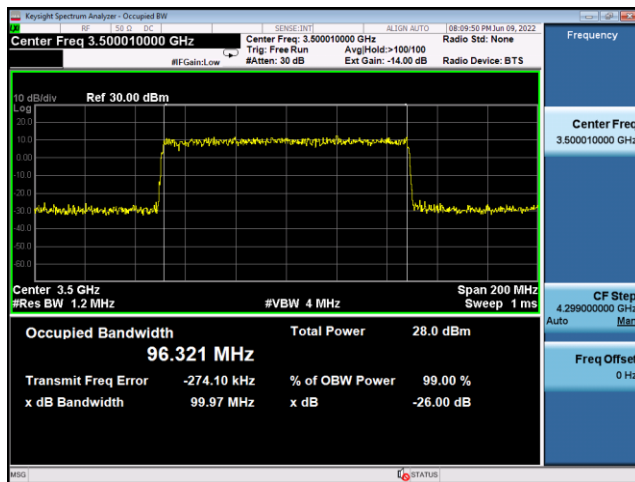
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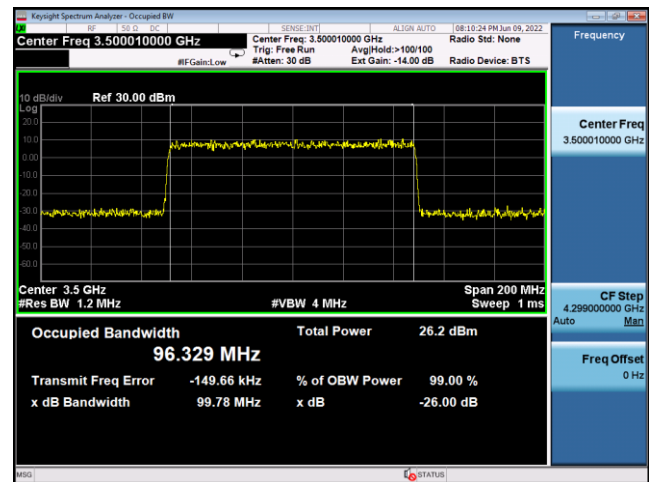
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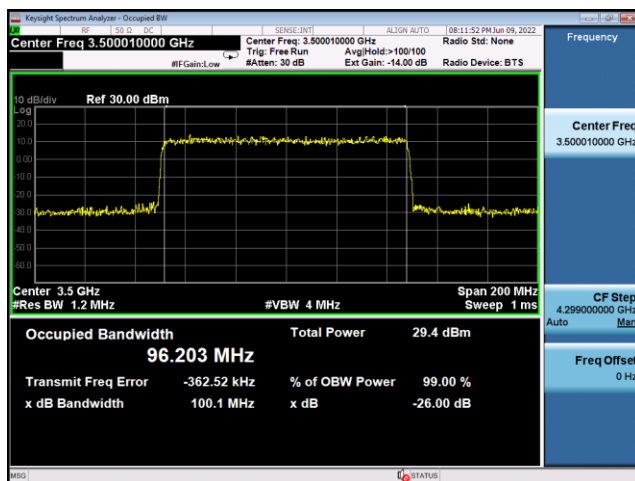
N78(100M)_DFT-s-OFDM_64QAM_ Outer_Full_Mid_CH



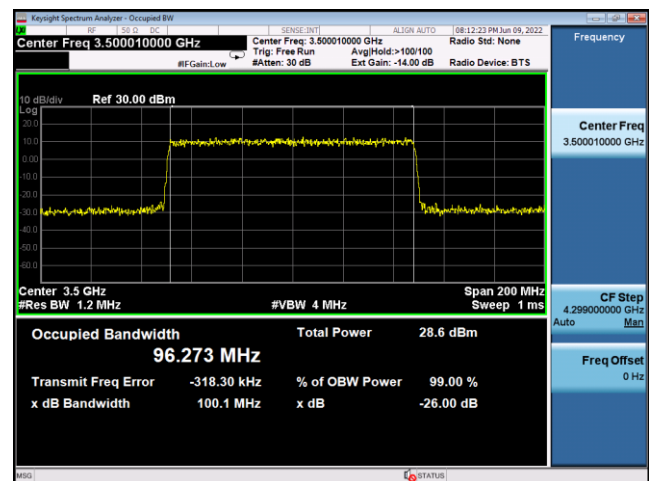
N78(100M)_DFT-s-OFDM_256QAM_ Outer_Full_Mid_CH



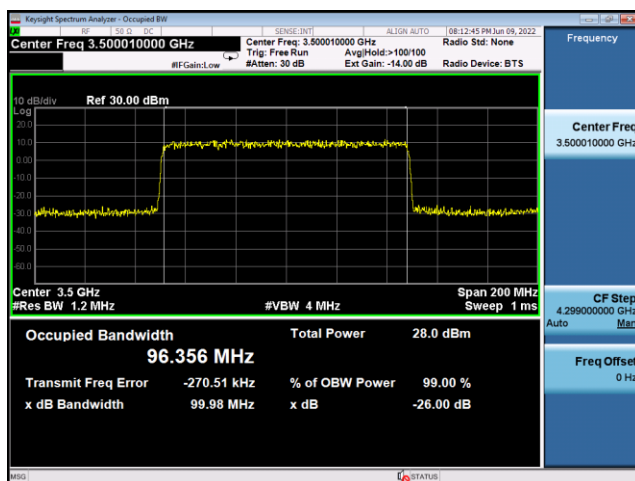
N78(100M)_CP-OFDM_QPSK_ Outer_Full_Mid_CH



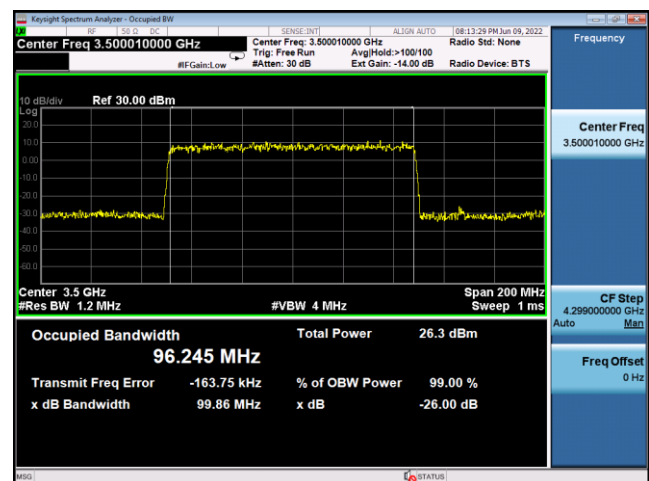
N78(100M)_CP-OFDM_16QAM_ Outer_Full_Mid_CH



N78(100M)_CP-OFDM_64QAM_ Outer_Full_Mid_CH



N78(100M)_CP-OFDM_256QAM_ Outer_Full_Mid_CH



Frequency Stability

NR Band n5_20MHz_Outer_Full, Mid CH = 167300, Frequency = 836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
3.87	-30	-5.72	-0.006840	±2.5	PASS
	-20	-5.63	-0.006730		
	-10	-4.89	-0.005846		
	0	-5.31	-0.006348		
	10	-4.79	-0.005726		
	20	-6.58	-0.007866		
	30	-6.34	-0.007579		
	40	-5.98	-0.007149		
	50	-5.71	-0.006826		
CP-OFDM QPSK					
3.87	-30	-0.53	-0.000634	±2.5	PASS
	-20	-1.36	-0.001626		
	-10	-2.51	-0.003001		
	0	-0.59	-0.000705		
	10	-0.87	-0.001040		
	20	-1.49	-0.001781		
	30	-0.96	-0.001148		
	40	-2.58	-0.003084		
	50	-3.44	-0.004112		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
20	3.50	-4.86	-0.005810	±2.5	PASS
	4.45	-5.52	-0.006599		
CP-OFDM QPSK					
20	3.50	-2.14	-0.002558	±2.5	PASS
	4.45	-0.85	-0.001016		

NR Band n41_100MHz_Outer_Full, Mid CH = 518598, Frequency = 2592.99MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
3.87	-30	-6.32	-0.002437	Within authorized band for Band n41	PASS
	-20	-5.69	-0.002194		
	-10	-6.48	-0.002499		
	0	-4.52	-0.001743		
	10	-6.84	-0.002638		
	20	-5.23	-0.002017		
	30	-4.59	-0.001770		
	40	-5.85	-0.002256		
	50	-5.41	-0.002086		
CP-OFDM QPSK					
3.87	-30	-1.32	-0.000509	Within authorized band for Band n41	PASS
	-20	-2.58	-0.000995		
	-10	-0.96	-0.000370		
	0	-2.48	-0.000956		
	10	-3.69	-0.001423		
	20	-2.55	-0.000983		
	30	-3.15	-0.001215		
	40	-2.44	-0.000941		
	50	-2.47	-0.000953		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
20	3.50	-6.89	-0.002657	Within authorized band for Band n41	PASS
	4.45	-5.27	-0.002032		
CP-OFDM QPSK					
20	3.50	-3.58	-0.001381	Within authorized band for Band n41	PASS
	4.45	-2.84	-0.001095		

NR Band n77_100MHz_Outer_Full, Mid CH = 633334, Frequency = 3500.01MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
3.87	-30	-6.65	-0.001900	Within authorized band for Band n77	PASS
	-20	-5.98	-0.001709		
	-10	-7.49	-0.002140		
	0	-6.52	-0.001863		
	10	-6.87	-0.001963		
	20	-6.47	-0.001849		
	30	-5.94	-0.001697		
	40	-7.12	-0.002034		
	50	-6.54	-0.001869		
CP-OFDM QPSK					
3.87	-30	-2.32	-0.000663	Within authorized band for Band n77	PASS
	-20	-2.15	-0.000614		
	-10	-1.45	-0.000414		
	0	-0.98	-0.000280		
	10	-1.58	-0.000451		
	20	-3.24	-0.000926		
	30	-2.55	-0.000729		
	40	-1.49	-0.000426		
	50	-0.48	-0.000137		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
20	3.50	-7.04	-0.002011	Within authorized band for Band n77	PASS
	4.45	-6.66	-0.001903		
CP-OFDM QPSK					
20	3.50	-2.57	-0.000734	Within authorized band for Band n77	PASS
	4.45	-3.18	-0.000909		

NR Band n78_100MHz_Outer_Full, Mid CH = 633334, Frequency = 3500.01MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
3.87	-30	-7.21	-0.002060	Within authorized band for Band n78	PASS
	-20	-6.69	-0.001911		
	-10	-5.85	-0.001671		
	0	-7.54	-0.002154		
	10	-6.49	-0.001854		
	20	-7.06	-0.002017		
	30	-6.34	-0.001811		
	40	-5.58	-0.001594		
	50	-6.31	-0.001803		
CP-OFDM QPSK					
3.87	-30	-2.62	-0.000749	Within authorized band for Band n78	PASS
	-20	-2.34	-0.000669		
	-10	-1.58	-0.000451		
	0	-1.69	-0.000483		
	10	-2.49	-0.000711		
	20	-3.27	-0.000934		
	30	-3.10	-0.000886		
	40	-1.25	-0.000357		
	50	-3.54	-0.001011		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
DFT-s-OFDM PI/2 BPSK					
20	3.50	-6.54	-0.001869	Within authorized band for Band n78	PASS
	4.45	-7.22	-0.002063		
CP-OFDM QPSK					
20	3.50	-3.49	-0.000997	Within authorized band for Band n78	PASS
	4.45	-2.41	-0.000689		

Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Freq (MHz)	Modulation	RB Configuration	Result	Verdict
5	15	5	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	826.5	CP-OFDM QPSK	1@0	see graph	PASS
5	15	5	826.5	CP-OFDM QPSK	25@0	see graph	PASS
5	15	5	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	846.5	CP-OFDM QPSK	1@24	see graph	PASS
5	15	5	846.5	CP-OFDM QPSK	25@0	see graph	PASS
5	15	10	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	829.0	CP-OFDM QPSK	1@0	see graph	PASS
5	15	10	844.0	CP-OFDM QPSK	52@0	see graph	PASS
5	15	10	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	844.0	CP-OFDM QPSK	1@51	see graph	PASS
5	15	10	831.5	CP-OFDM QPSK	52@0	see graph	PASS
5	15	15	831.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	15	831.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
5	15	15	831.5	CP-OFDM QPSK	1@0	see graph	PASS
5	15	15	831.5	CP-OFDM QPSK	79@0	see graph	PASS
5	15	15	841.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
5	15	15	841.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
5	15	15	841.5	CP-OFDM QPSK	1@78	see graph	PASS
5	15	15	841.5	CP-OFDM QPSK	100@0	see graph	PASS
5	15	20	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	834.0	DFT-s-OFDM BPSK	106@0	see graph	PASS
5	15	20	834.0	CP-OFDM QPSK	1@0	see graph	PASS

5	15	20	834.0	CP-OFDM QPSK	79@0	see graph	PASS
5	15	20	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	839.0	CP-OFDM QPSK	1@105	see graph	PASS
5	15	20	839.0	CP-OFDM QPSK	106@0	see graph	PASS
41	30	20	2506.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	2506.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	30	20	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	2506.02	CP-OFDM QPSK	51@0	see graph	PASS
41	30	20	2679.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
41	30	20	2679.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	30	20	2679.99	CP-OFDM QPSK	1@50	see graph	PASS
41	30	20	2679.99	CP-OFDM QPSK	51@0	see graph	PASS
41	30	30	2511.00	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	30	2511.00	DFT-s-OFDM BPSK	75@0	see graph	PASS
41	30	30	2511.00	CP-OFDM QPSK	1@0	see graph	PASS
41	30	30	2511.00	CP-OFDM QPSK	78@0	see graph	PASS
41	30	30	2674.98	DFT-s-OFDM BPSK	1@77	see graph	PASS
41	30	30	2674.98	DFT-s-OFDM BPSK	75@0	see graph	PASS
41	30	30	2674.98	CP-OFDM QPSK	1@77	see graph	PASS
41	30	30	2674.98	CP-OFDM QPSK	78@0	see graph	PASS
41	30	40	2511.00	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	40	2511.00	DFT-s-OFDM BPSK	75@0	see graph	PASS
41	30	40	2511.00	CP-OFDM QPSK	1@0	see graph	PASS
41	30	40	2511.00	CP-OFDM QPSK	78@0	see graph	PASS
41	30	40	2674.98	DFT-s-OFDM BPSK	1@77	see graph	PASS
41	30	40	2674.98	DFT-s-OFDM BPSK	75@0	see graph	PASS
41	30	40	2674.98	CP-OFDM QPSK	1@77	see graph	PASS
41	30	40	2674.98	CP-OFDM QPSK	78@0	see graph	PASS
41	30	50	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS

41	30	50	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	2521.02	CP-OFDM QPSK	133@0	see graph	PASS
41	30	50	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	2664.99	CP-OFDM QPSK	1@132	see graph	PASS
41	30	50	2664.99	CP-OFDM QPSK	133@0	see graph	PASS
41	30	60	2526.00	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	60	2526.00	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	2526.00	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	2526.00	CP-OFDM QPSK	162@0	see graph	PASS
41	30	60	2659.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
41	30	60	2659.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	2659.98	CP-OFDM QPSK	1@161	see graph	PASS
41	30	60	2659.98	CP-OFDM QPSK	162@0	see graph	PASS
41	30	80	2536.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	80	2536.02	DFT-s-OFDM BPSK	216@0	see graph	PASS
41	30	80	2536.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	80	2536.02	CP-OFDM QPSK	217@0	see graph	PASS
41	30	80	2649.99	DFT-s-OFDM BPSK	1@216	see graph	PASS
41	30	80	2649.99	DFT-s-OFDM BPSK	216@0	see graph	PASS
41	30	80	2649.99	CP-OFDM QPSK	1@216	see graph	PASS
41	30	80	2649.99	CP-OFDM QPSK	217@0	see graph	PASS
41	30	90	2541.00	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	90	2541.00	DFT-s-OFDM BPSK	240@0	see graph	PASS
41	30	90	2541.00	CP-OFDM QPSK	1@0	see graph	PASS
41	30	90	2541.00	CP-OFDM QPSK	245@0	see graph	PASS
41	30	90	2644.98	DFT-s-OFDM BPSK	1@244	see graph	PASS
41	30	90	2644.98	DFT-s-OFDM BPSK	240@0	see graph	PASS
41	30	90	2644.98	CP-OFDM QPSK	1@244	see graph	PASS
41	30	90	2644.98	CP-OFDM QPSK	245@0	see graph	PASS
41	30	100	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS

41	30	100	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	2546.01	CP-OFDM QPSK	273@0	see graph	PASS
41	30	100	2640.00	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	2640.00	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	2640.00	CP-OFDM QPSK	1@272	see graph	PASS
41	30	100	2640.00	CP-OFDM QPSK	273@0	see graph	PASS
77	30	20	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	3460.02	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	3540.00	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	3540.00	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	3540.00	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	3540.00	CP-OFDM QPSK	51@0	see graph	PASS
77	30	30	3465.00	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	30	3465.00	DFT-s-OFDM BPSK	75@0	see graph	PASS
77	30	30	3465.00	CP-OFDM QPSK	1@0	see graph	PASS
77	30	30	3465.00	CP-OFDM QPSK	78@0	see graph	PASS
77	30	30	3534.99	DFT-s-OFDM BPSK	1@77	see graph	PASS
77	30	30	3534.99	DFT-s-OFDM BPSK	75@0	see graph	PASS
77	30	30	3534.99	CP-OFDM QPSK	1@77	see graph	PASS
77	30	30	3534.99	CP-OFDM QPSK	78@0	see graph	PASS
77	30	40	3470.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	40	3470.01	DFT-s-OFDM BPSK	75@0	see graph	PASS
77	30	40	3470.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	40	3470.01	CP-OFDM QPSK	78@0	see graph	PASS
77	30	40	3529.98	DFT-s-OFDM BPSK	1@77	see graph	PASS
77	30	40	3529.98	DFT-s-OFDM BPSK	75@0	see graph	PASS
77	30	40	3529.98	CP-OFDM QPSK	1@77	see graph	PASS
77	30	40	3529.98	CP-OFDM QPSK	78@0	see graph	PASS