



Test Report No.: W7L-P20210616-3RF06

FCC RF TEST REPORT

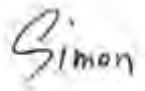

Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
HW version:	P4.1
SW version:	MODEMSA515M_01.15.62
Registration No:	525120
Designation No:	CN1171
Date of tests:	Oct. 16, 2021 ~ Dec. 03, 2021

The tests have been carried out according to the requirements of the following standard:

- FCC Part 27, Subpart C, M ANSI/TIA/EIA-603-D
- FCC Part 2 ANSI/TIA/EIA-603-E ANSI C63.26-2015

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
	
Date: Dec. 04, 2021	Date: Dec. 04, 2021

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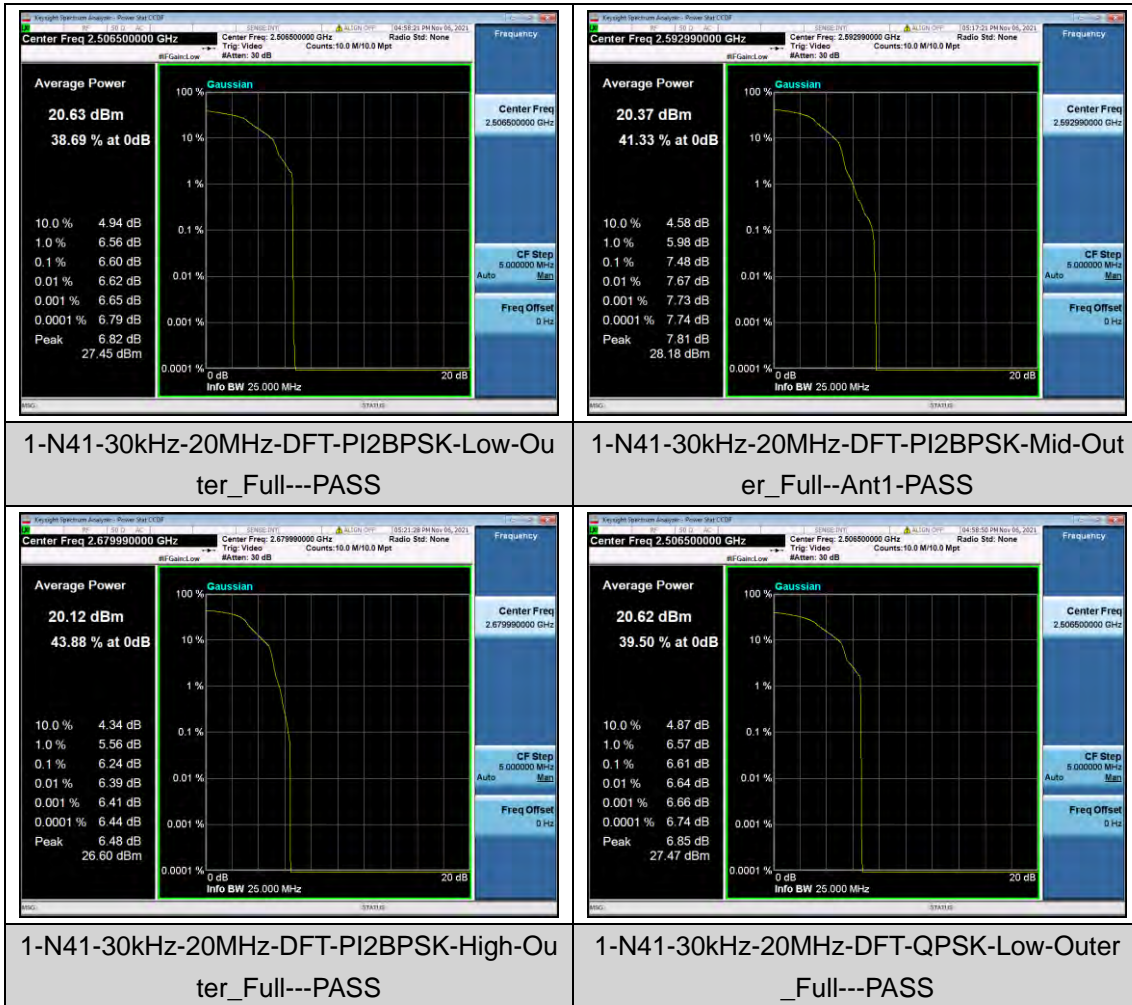
1. Peak-to-Average Ratio(PAPR)

1.1 N41

1.1.1 Test Result

Band: N41 / Bandwidth: 20MHz / NTN_V_DFT_30KHz							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
PI2BPSK	Outer_Full	0	6.60	7.48	6.24	<=13	Pass
QPSK	Outer_Full	0	6.61	7.48	6.43	<=13	Pass
16QAM	Outer_Full	0	6.55	6.94	6.42	<=13	Pass
64QAM	Outer_Full	0	6.64	7.13	6.44	<=13	Pass
256QAM	Outer_Full	0	6.63	7.01	6.42	<=13	Pass

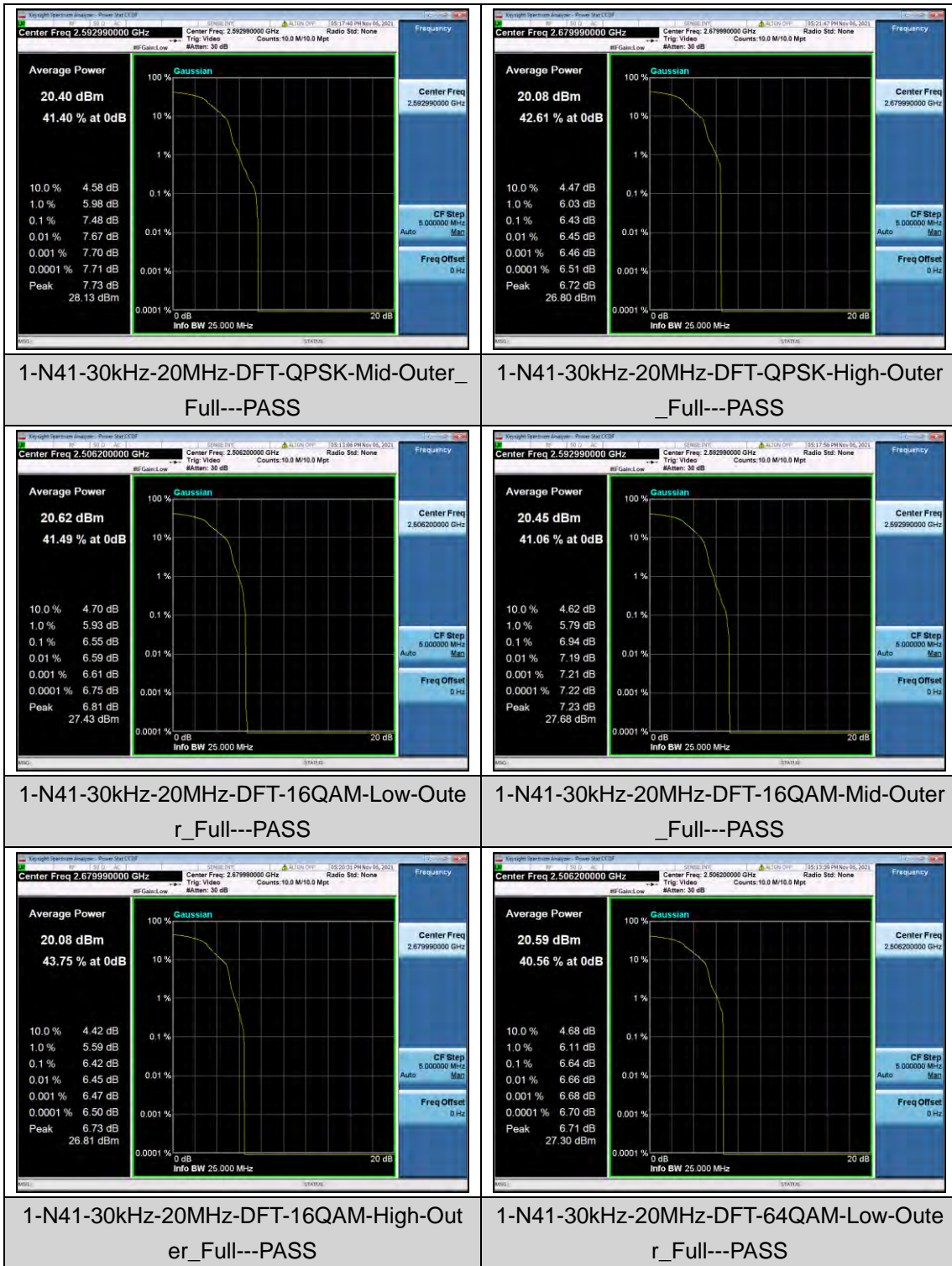
1.1.2 Test Graphs





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<p>1-N41-30kHz-20MHz-DFT-64QAM-Mid-Outer_Full---PASS</p>	<p>1-N41-30kHz-20MHz-DFT-64QAM-High-Outer_Full---PASS</p>
<p>1-N41-30kHz-20MHz-DFT-256QAM-Low-Outer_Full---PASS</p>	<p>1-N41-30kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>
	<p>/</p>
<p>1-N41-30kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>	<p>/</p>

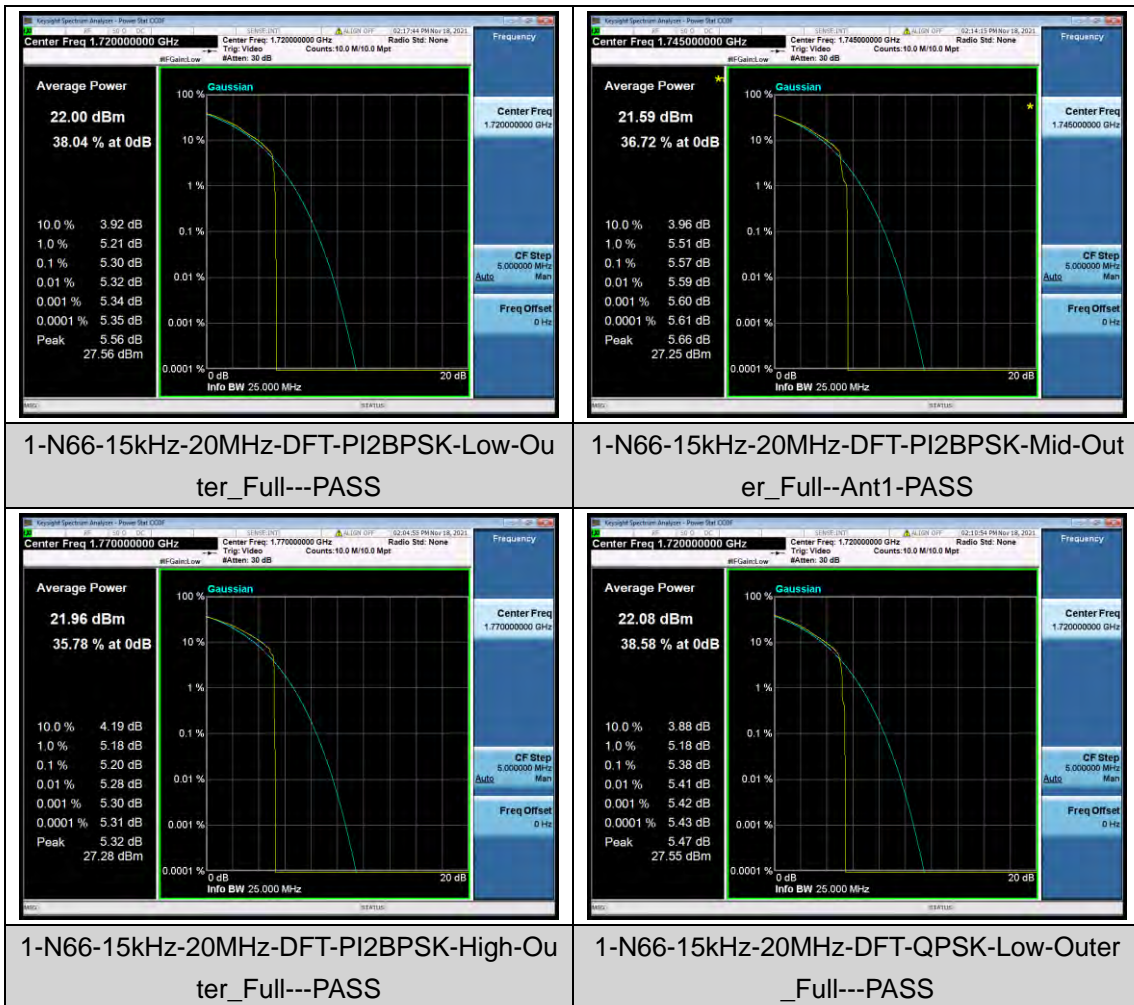


1.2 N66

1.2.1 Test Result

Band: N66 / Bandwidth: 20MHz / NTN_DFT_15KHz							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
PI2BPSK	Outer_Full	0	5.30	5.57	5.20	<=13	Pass
QPSK	Outer_Full	0	5.38	5.41	5.28	<=13	Pass
16QAM	Outer_Full	0	5.30	5.57	5.28	<=13	Pass
64QAM	Outer_Full	0	5.22	5.31	5.30	<=13	Pass
256QAM	Outer_Full	0	5.29	5.35	5.44	<=13	Pass

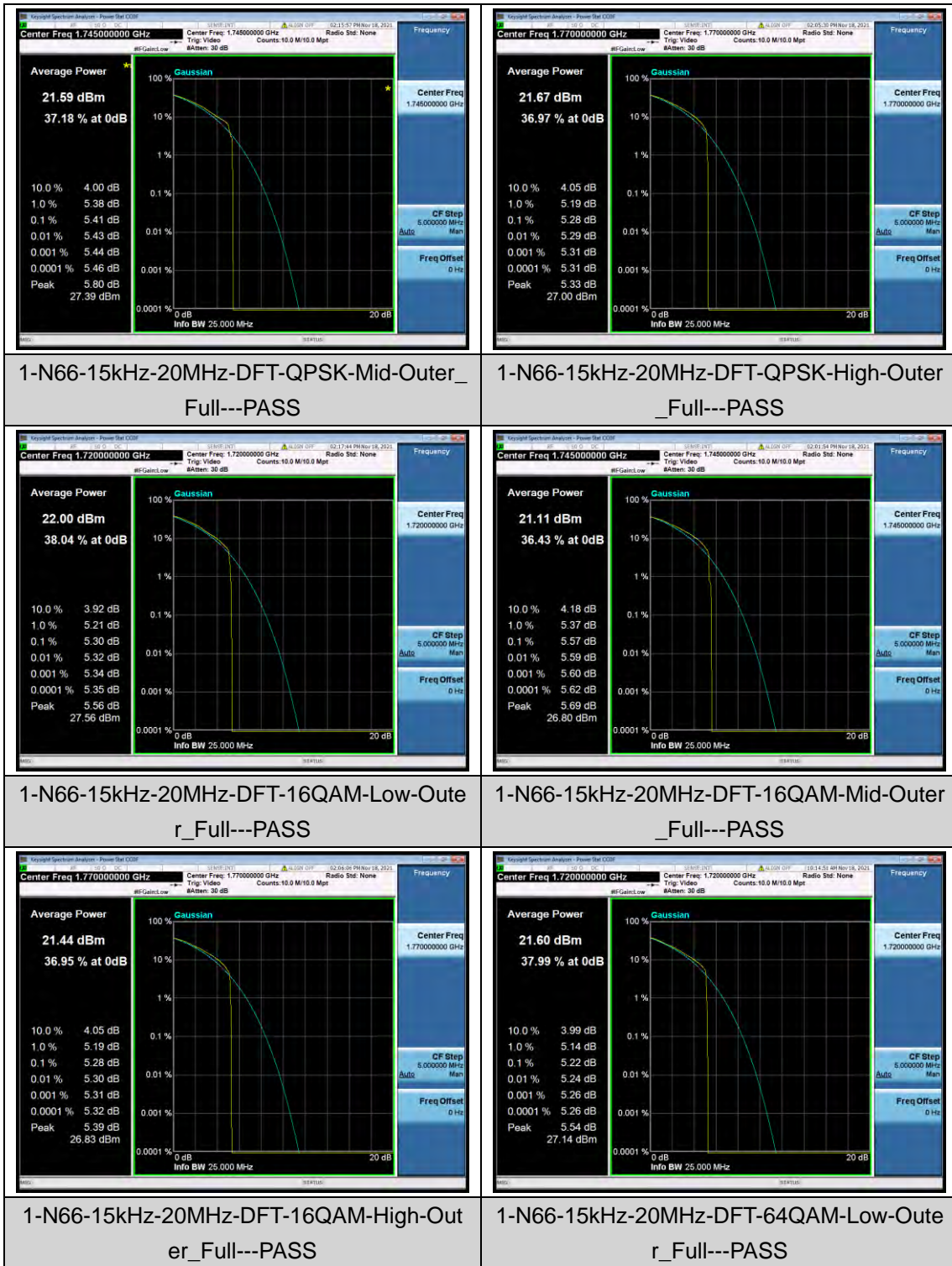
1.2.2 Test Graphs





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<p>1-N66-15kHz-20MHz-DFT-64QAM-Mid-Outer_Full---PASS</p>	<p>1-N66-15kHz-20MHz-DFT-64QAM-High-Outer_Full---PASS</p>
<p>1-N66-15kHz-20MHz-DFT-256QAM-Low-Outer_Full---PASS</p>	<p>1-N66-15kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>
	<p>/</p>
<p>1-N66-15kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>	<p>/</p>

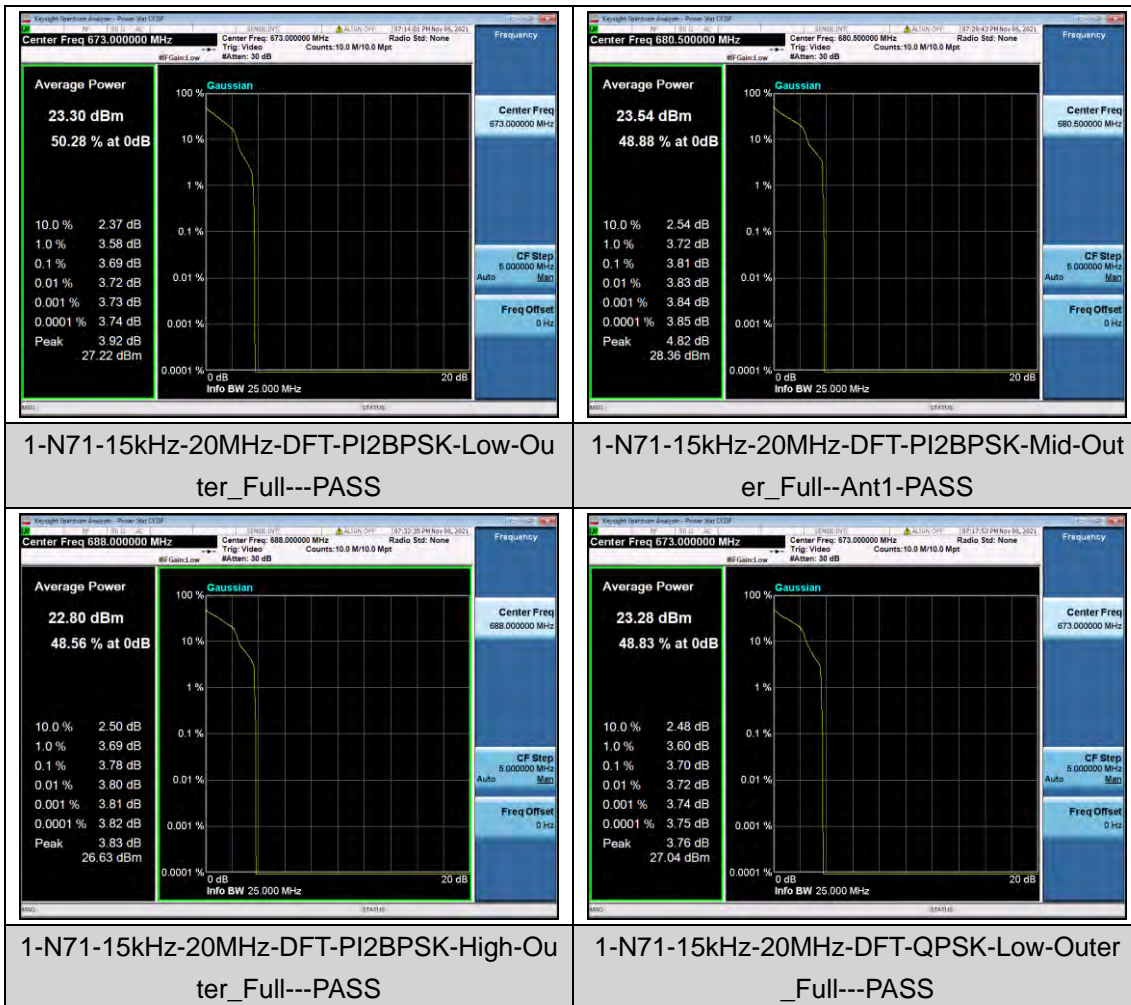


1.3 N71

1.3.1 Test Result

Band: N71 / Bandwidth: 20MHz / NTN_V_DFT_15KHz							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
PI2BPSK	Outer_Full	0	3.69	3.75	3.71	<=13	Pass
QPSK	Outer_Full	0	3.70	3.75	3.71	<=13	Pass
16QAM	Outer_Full	0	5.10	3.79	3.72	<=13	Pass
64QAM	Outer_Full	0	5.84	3.82	3.72	<=13	Pass
256QAM	Outer_Full	0	3.76	3.72	3.79	<=13	Pass

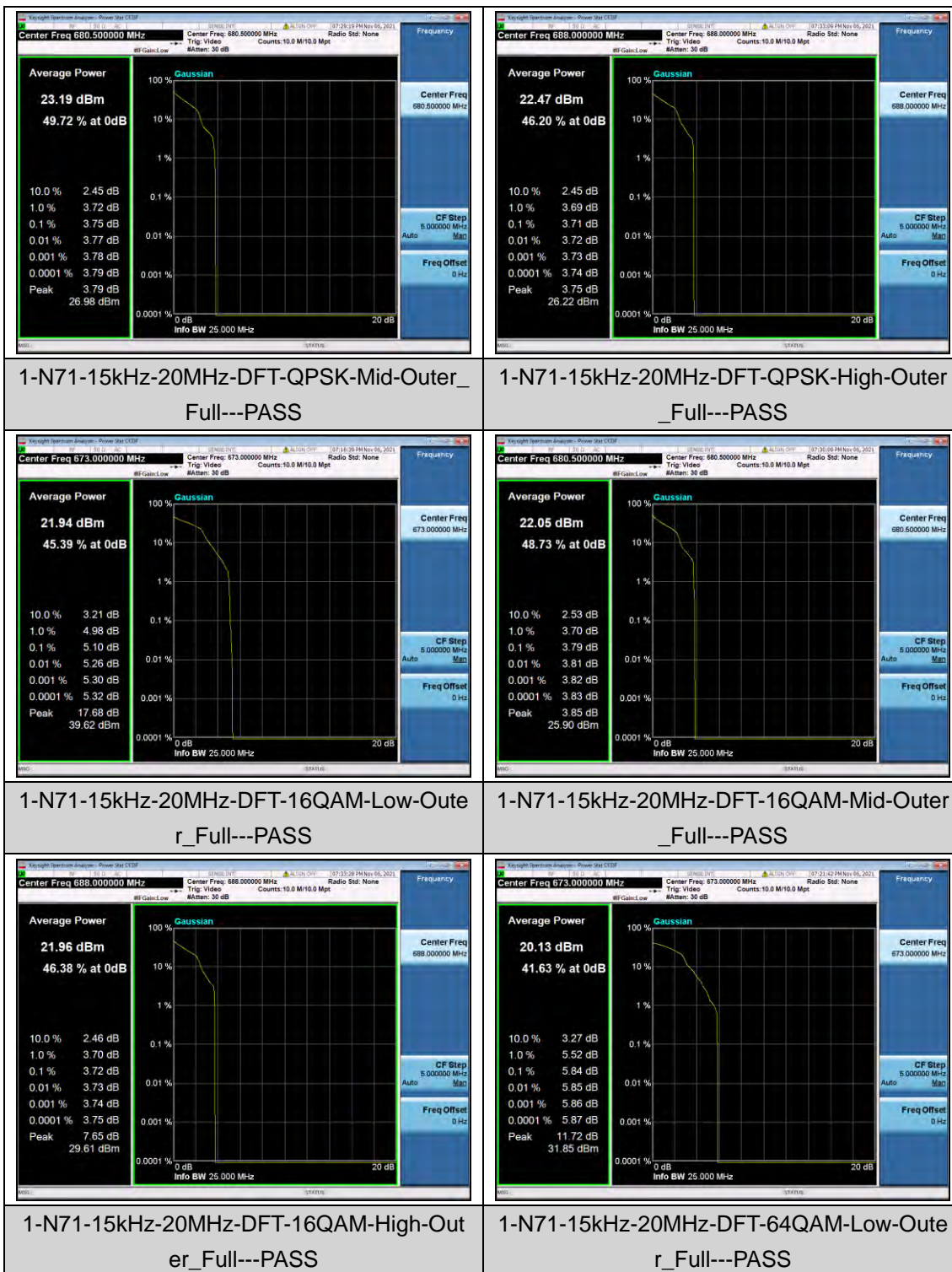
1.3.2 Test Graphs





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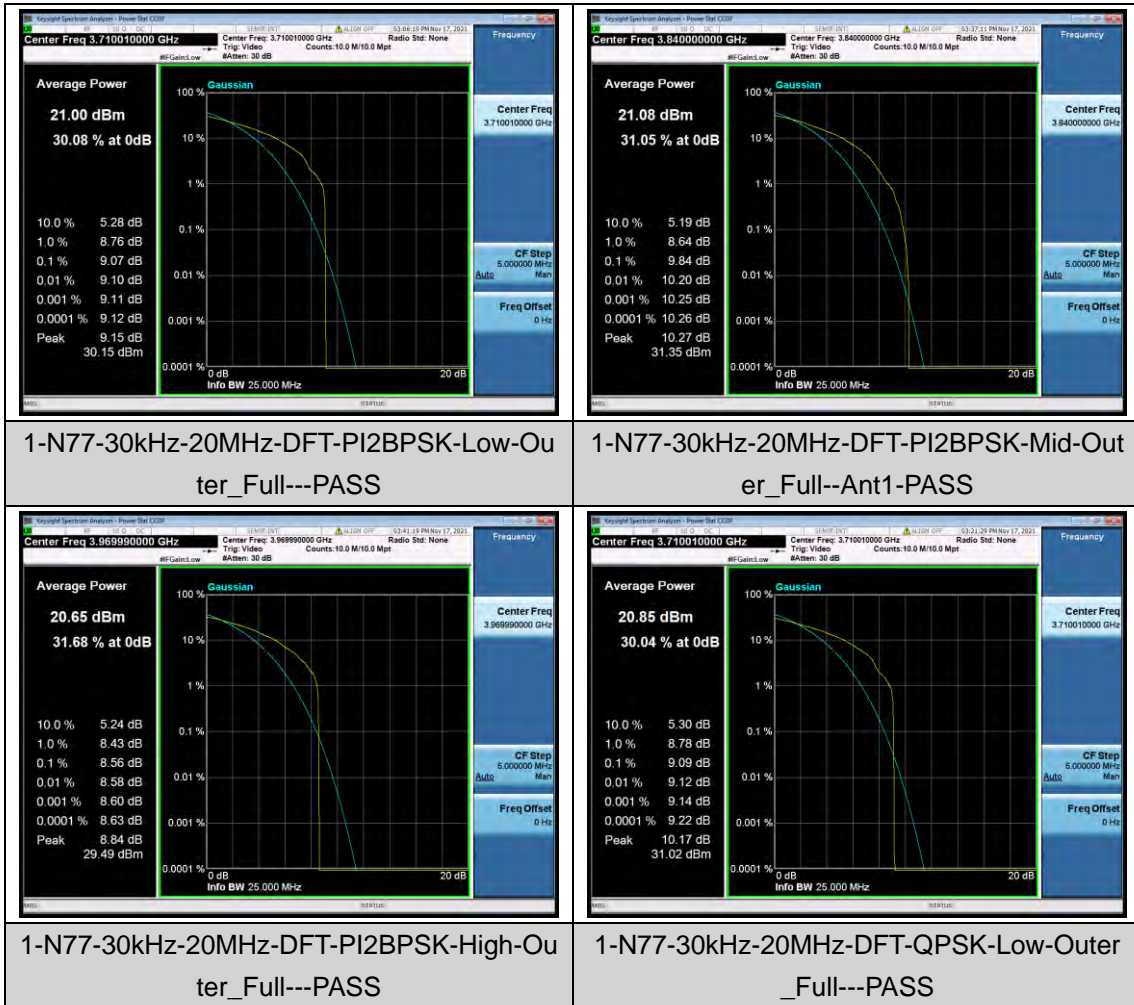
<p>Average Power 21.54 dBm 48.98 % at 0dB</p> <p>10.0 % 2.55 dB 1.0 % 3.73 dB 0.1 % 3.82 dB 0.01 % 3.83 dB 0.001 % 3.85 dB 0.0001 % 3.85 dB Peak 4.56 dBm 26.10 dBm</p>	<p>Average Power 21.45 dBm 46.15 % at 0dB</p> <p>10.0 % 2.45 dB 1.0 % 3.70 dB 0.1 % 3.72 dB 0.01 % 3.73 dB 0.001 % 3.74 dB 0.0001 % 3.75 dB Peak 8.00 dBm 29.45 dBm</p>
<p>1-N71-15kHz-20MHz-DFT-64QAM-Mid-Outer_Full---PASS</p>	<p>1-N71-15kHz-20MHz-DFT-64QAM-High-Outer_Full---PASS</p>
<p>Average Power 21.35 dBm 48.34 % at 0dB</p> <p>10.0 % 2.61 dB 1.0 % 3.72 dB 0.1 % 3.76 dB 0.01 % 3.78 dB 0.001 % 3.79 dB 0.0001 % 3.80 dB Peak 3.84 dBm 25.19 dBm</p>	<p>Average Power 21.14 dBm 47.65 % at 0dB</p> <p>10.0 % 2.49 dB 1.0 % 3.63 dB 0.1 % 3.72 dB 0.01 % 3.74 dB 0.001 % 3.75 dB 0.0001 % 3.76 dB Peak 3.89 dBm 25.03 dBm</p>
<p>1-N71-15kHz-20MHz-DFT-256QAM-Low-Outer_Full---PASS</p>	<p>1-N71-15kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>
<p>Average Power 20.80 dBm 48.17 % at 0dB</p> <p>10.0 % 2.48 dB 1.0 % 3.78 dB 0.1 % 3.79 dB 0.01 % 3.80 dB 0.001 % 3.81 dB 0.0001 % 3.82 dB Peak 3.82 dBm 24.62 dBm</p>	<p>/</p>
<p>1-N71-15kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>	<p>/</p>

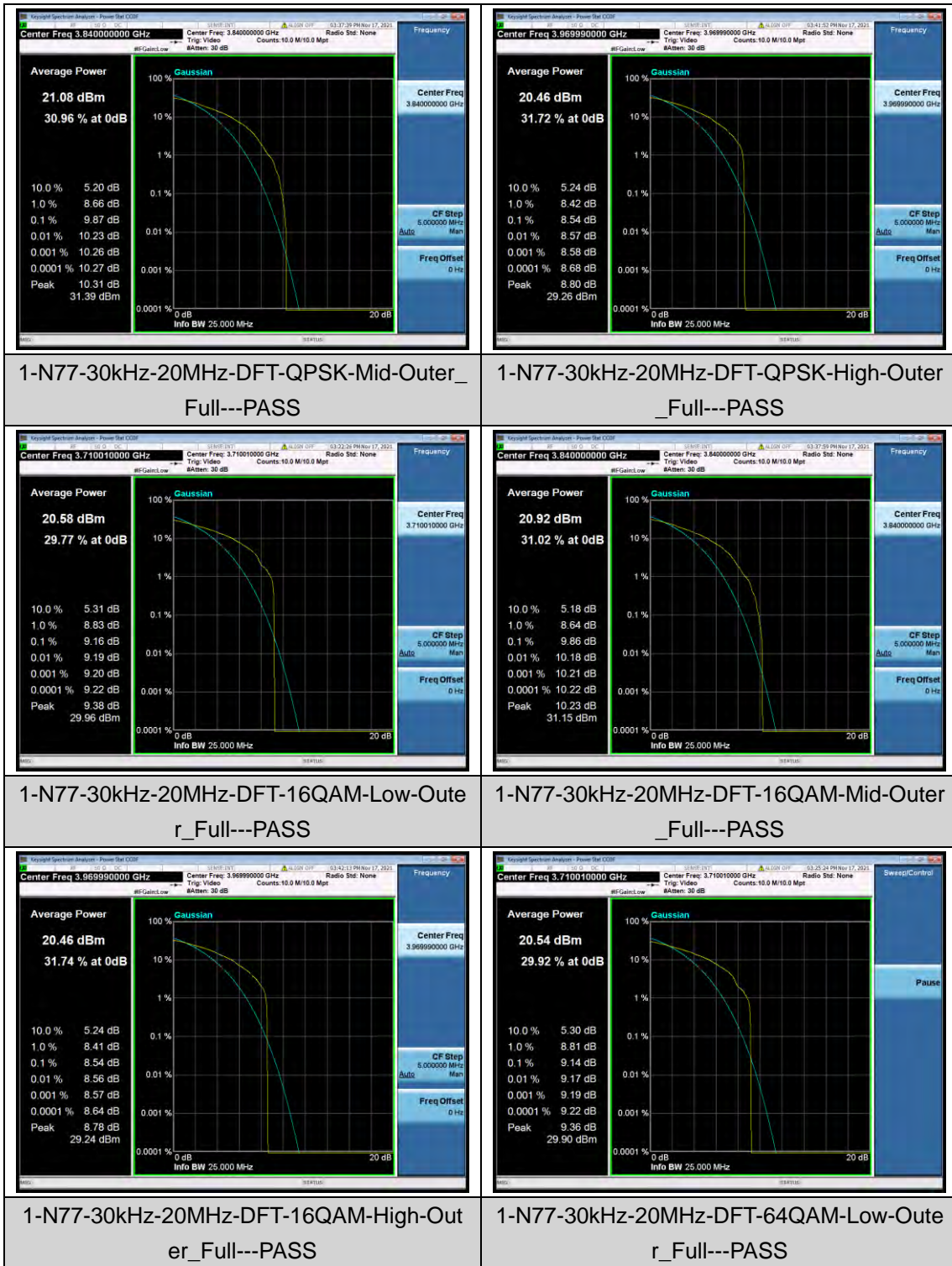
1.4 N77

1.4.1 Test Result

Band: N77 / Bandwidth: 20MHz / NTN_V_DFT_30KHz							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
PI2BPSK	Outer_Full	0	9.07	9.84	8.56	<=13	Pass
QPSK	Outer_Full	0	9.09	9.87	8.54	<=13	Pass
16QAM	Outer_Full	0	9.16	9.86	8.54	<=13	Pass
64QAM	Outer_Full	0	9.14	9.91	8.50	<=13	Pass
256QAM	Outer_Full	0	9.22	9.91	8.48	<=13	Pass

1.4.2 Test Graphs







<p>1-N77-30kHz-20MHz-DFT-64QAM-Mid-Outer_Full---PASS</p>	<p>1-N77-30kHz-20MHz-DFT-64QAM-High-Outer_Full---PASS</p>
<p>1-N77-30kHz-20MHz-DFT-256QAM-Low-Outer_Full---PASS</p>	<p>1-N77-30kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>
	<p>/</p>
<p>1-N77-30kHz-20MHz-DFT-256QAM-Mid-Outer_Full---PASS</p>	<p>/</p>

2. 26dB Bandwidth and Occupied Bandwidth for SA

2.1 N41

2.1.1 Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30kHz	20MHz	DFT-PI2BPS K	Low	Outer_Full	17.873	19.32	PASS
N41	30kHz	20MHz	DFT-PI2BPS K	Mid	Outer_Full	17.828	19.24	PASS
N41	30kHz	20MHz	DFT-PI2BPS K	High	Outer_Full	17.821	19.11	PASS
N41	30kHz	20MHz	DFT-QPSK	Low	Outer_Full	17.837	19.16	PASS
N41	30kHz	20MHz	DFT-QPSK	Mid	Outer_Full	17.828	19.23	PASS
N41	30kHz	20MHz	DFT-QPSK	High	Outer_Full	17.840	19.32	PASS
N41	30kHz	20MHz	DFT-16QAM	Low	Outer_Full	17.908	19.55	PASS
N41	30kHz	20MHz	DFT-16QAM	Mid	Outer_Full	17.875	19.68	PASS
N41	30kHz	20MHz	DFT-16QAM	High	Outer_Full	17.874	19.37	PASS
N41	30kHz	20MHz	DFT-64QAM	Low	Outer_Full	17.870	19.36	PASS
N41	30kHz	20MHz	DFT-64QAM	Mid	Outer_Full	17.869	19.11	PASS
N41	30kHz	20MHz	DFT-64QAM	High	Outer_Full	17.865	19.16	PASS
N41	30kHz	20MHz	DFT-256QA M	Low	Outer_Full	17.821	18.99	PASS
N41	30kHz	20MHz	DFT-256QA M	Mid	Outer_Full	17.828	19.21	PASS
N41	30kHz	20MHz	DFT-256QA M	High	Outer_Full	17.840	19.16	PASS
N41	30kHz	30MHz	DFT-PI2BPS K	Low	Outer_Full	26.724	28.45	PASS
N41	30kHz	30MHz	DFT-PI2BPS K	Mid	Outer_Full	26.772	28.58	PASS
N41	30kHz	30MHz	DFT-PI2BPS K	High	Outer_Full	26.759	28.70	PASS
N41	30kHz	30MHz	DFT-QPSK	Low	Outer_Full	26.842	28.60	PASS
N41	30kHz	30MHz	DFT-QPSK	Mid	Outer_Full	26.828	28.56	PASS
N41	30kHz	30MHz	DFT-QPSK	High	Outer_Full	26.824	28.59	PASS
N41	30kHz	30MHz	DFT-16QAM	Low	Outer_Full	26.770	28.38	PASS
N41	30kHz	30MHz	DFT-16QAM	Mid	Outer_Full	26.827	28.67	PASS
N41	30kHz	30MHz	DFT-16QAM	High	Outer_Full	26.805	28.53	PASS



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N41	30kHz	30MHz	DFT-64QAM	Low	Outer_Full	26.774	28.39	PASS
N41	30kHz	30MHz	DFT-64QAM	Mid	Outer_Full	26.785	28.43	PASS
N41	30kHz	30MHz	DFT-64QAM	High	Outer_Full	26.759	37.44	PASS
N41	30kHz	30MHz	DFT-256QAM	Low	Outer_Full	26.821	28.41	PASS
N41	30kHz	30MHz	DFT-256QAM	Mid	Outer_Full	26.801	28.48	PASS
N41	30kHz	30MHz	DFT-256QAM	High	Outer_Full	26.735	28.63	PASS
N41	30kHz	40MHz	DFT-PI2BPS	Low	Outer_Full	35.695	37.73	PASS
N41	30kHz	40MHz	DFT-PI2BPS	Mid	Outer_Full	35.669	37.70	PASS
N41	30kHz	40MHz	DFT-PI2BPS	High	Outer_Full	35.688	37.73	PASS
N41	30kHz	40MHz	DFT-QPSK	Low	Outer_Full	35.675	37.58	PASS
N41	30kHz	40MHz	DFT-QPSK	Mid	Outer_Full	35.677	37.59	PASS
N41	30kHz	40MHz	DFT-QPSK	High	Outer_Full	35.725	37.80	PASS
N41	30kHz	40MHz	DFT-16QAM	Low	Outer_Full	35.694	37.67	PASS
N41	30kHz	40MHz	DFT-16QAM	Mid	Outer_Full	35.684	37.72	PASS
N41	30kHz	40MHz	DFT-16QAM	High	Outer_Full	35.680	80.00	FAIL
N41	30kHz	40MHz	DFT-64QAM	Low	Outer_Full	35.773	37.51	PASS
N41	30kHz	40MHz	DFT-64QAM	Mid	Outer_Full	35.703	37.59	PASS
N41	30kHz	40MHz	DFT-64QAM	High	Outer_Full	35.663	53.93	PASS
N41	30kHz	40MHz	DFT-256QAM	Low	Outer_Full	35.755	37.74	PASS
N41	30kHz	40MHz	DFT-256QAM	Mid	Outer_Full	35.645	37.72	PASS
N41	30kHz	40MHz	DFT-256QAM	High	Outer_Full	35.615	37.41	PASS
N41	30kHz	50MHz	DFT-PI2BPS	Low	Outer_Full	45.653	47.80	PASS
N41	30kHz	50MHz	DFT-PI2BPS	Mid	Outer_Full	45.726	47.96	PASS
N41	30kHz	50MHz	DFT-PI2BPS	High	Outer_Full	45.660	48.16	PASS
N41	30kHz	50MHz	DFT-QPSK	Low	Outer_Full	45.635	47.96	PASS
N41	30kHz	50MHz	DFT-QPSK	Mid	Outer_Full	45.699	47.95	PASS
N41	30kHz	50MHz	DFT-QPSK	High	Outer_Full	45.660	48.01	PASS
N41	30kHz	50MHz	DFT-16QAM	Low	Outer_Full	45.580	47.58	PASS
N41	30kHz	50MHz	DFT-16QAM	Mid	Outer_Full	45.669	47.69	PASS
N41	30kHz	50MHz	DFT-16QAM	High	Outer_Full	45.583	47.91	PASS
N41	30kHz	50MHz	DFT-64QAM	Low	Outer_Full	45.655	47.64	PASS



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N41	30kHz	50MHz	DFT-64QAM	Mid	Outer_Full	45.683	47.92	PASS
N41	30kHz	50MHz	DFT-64QAM	High	Outer_Full	45.659	47.87	PASS
N41	30kHz	50MHz	DFT-256QAM	Low	Outer_Full	45.687	47.88	PASS
N41	30kHz	50MHz	DFT-256QAM	Mid	Outer_Full	45.683	47.73	PASS
N41	30kHz	50MHz	DFT-256QAM	High	Outer_Full	45.736	47.83	PASS
N41	30kHz	60MHz	DFT-PI2BPSK	Low	Outer_Full	57.683	60.50	PASS
N41	30kHz	60MHz	DFT-PI2BPSK	Mid	Outer_Full	57.703	60.59	PASS
N41	30kHz	60MHz	DFT-PI2BPSK	High	Outer_Full	57.677	60.58	PASS
N41	30kHz	60MHz	DFT-QPSK	Low	Outer_Full	57.668	60.39	PASS
N41	30kHz	60MHz	DFT-QPSK	Mid	Outer_Full	57.860	60.35	PASS
N41	30kHz	60MHz	DFT-QPSK	High	Outer_Full	57.743	60.36	PASS
N41	30kHz	60MHz	DFT-16QAM	Low	Outer_Full	57.936	60.49	PASS
N41	30kHz	60MHz	DFT-16QAM	Mid	Outer_Full	57.838	60.38	PASS
N41	30kHz	60MHz	DFT-16QAM	High	Outer_Full	57.863	49.44	PASS
N41	30kHz	60MHz	DFT-64QAM	Low	Outer_Full	58.147	59.70	PASS
N41	30kHz	60MHz	DFT-64QAM	Mid	Outer_Full	57.790	59.95	PASS
N41	30kHz	60MHz	DFT-64QAM	High	Outer_Full	57.755	60.35	PASS
N41	30kHz	60MHz	DFT-256QAM	Low	Outer_Full	57.688	60.22	PASS
N41	30kHz	60MHz	DFT-256QAM	Mid	Outer_Full	57.715	60.35	PASS
N41	30kHz	60MHz	DFT-256QAM	High	Outer_Full	57.639	60.26	PASS
N41	30kHz	80MHz	DFT-PI2BPSK	Low	Outer_Full	76.944	95.71	PASS
N41	30kHz	80MHz	DFT-PI2BPSK	Mid	Outer_Full	77.308	17.92	PASS
N41	30kHz	80MHz	DFT-PI2BPSK	High	Outer_Full	77.088	80.08	PASS
N41	30kHz	80MHz	DFT-QPSK	Low	Outer_Full	76.962	80.09	PASS
N41	30kHz	80MHz	DFT-QPSK	Mid	Outer_Full	76.965	80.22	PASS
N41	30kHz	80MHz	DFT-QPSK	High	Outer_Full	76.936	80.09	PASS
N41	30kHz	80MHz	DFT-16QAM	Low	Outer_Full	77.338	95.24	PASS
N41	30kHz	80MHz	DFT-16QAM	Mid	Outer_Full	77.229	86.81	PASS
N41	30kHz	80MHz	DFT-16QAM	High	Outer_Full	77.233	78.23	PASS
N41	30kHz	80MHz	DFT-64QAM	Low	Outer_Full	77.005	121.3	PASS
N41	30kHz	80MHz	DFT-64QAM	Mid	Outer_Full	76.868	80.21	PASS

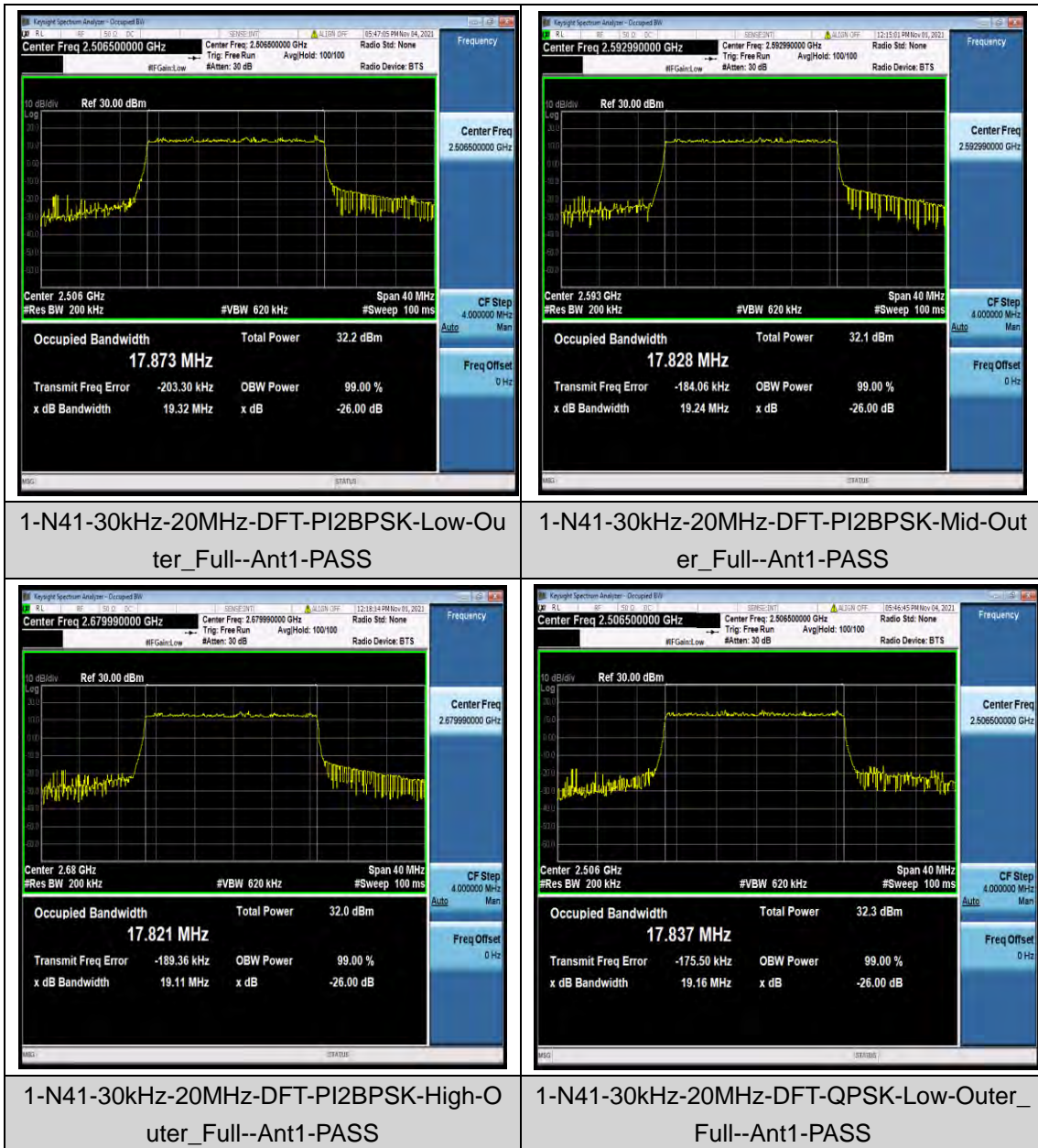


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N41	30kHz	80MHz	DFT-64QAM	High	Outer_Full	76.949	85.90	PASS
N41	30kHz	80MHz	DFT-256QAM	Low	Outer_Full	76.907	122.9	PASS
N41	30kHz	80MHz	DFT-256QAM	Mid	Outer_Full	77.000	80.19	PASS
N41	30kHz	80MHz	DFT-256QAM	High	Outer_Full	76.924	80.02	PASS
N41	30kHz	90MHz	DFT-PI2BPS	Low	Outer_Full	85.787	82.80	PASS
N41	30kHz	90MHz	DFT-PI2BPS	Mid	Outer_Full	85.417	88.71	PASS
N41	30kHz	90MHz	DFT-PI2BPS	High	Outer_Full	85.677	1.259	PASS
N41	30kHz	90MHz	DFT-QPSK	Low	Outer_Full	85.550	88.88	PASS
N41	30kHz	90MHz	DFT-QPSK	Mid	Outer_Full	85.503	88.82	PASS
N41	30kHz	90MHz	DFT-QPSK	High	Outer_Full	85.597	88.80	PASS
N41	30kHz	90MHz	DFT-16QAM	Low	Outer_Full	85.455	88.74	PASS
N41	30kHz	90MHz	DFT-16QAM	Mid	Outer_Full	85.639	88.81	PASS
N41	30kHz	90MHz	DFT-16QAM	High	Outer_Full	85.592	88.93	PASS
N41	30kHz	90MHz	DFT-64QAM	Low	Outer_Full	85.416	88.97	PASS
N41	30kHz	90MHz	DFT-64QAM	Mid	Outer_Full	85.378	88.94	PASS
N41	30kHz	90MHz	DFT-64QAM	High	Outer_Full	85.428	88.88	PASS
N41	30kHz	90MHz	DFT-256QAM	Low	Outer_Full	85.405	88.73	PASS
N41	30kHz	90MHz	DFT-256QAM	Mid	Outer_Full	85.405	88.32	PASS
N41	30kHz	90MHz	DFT-256QAM	High	Outer_Full	85.444	88.87	PASS
N41	30kHz	100MHz	DFT-PI2BPS	Low	Outer_Full	96.372	99.68	PASS
N41	30kHz	100MHz	DFT-PI2BPS	Mid	Outer_Full	96.362	99.31	PASS
N41	30kHz	100MHz	DFT-PI2BPS	High	Outer_Full	96.331	99.59	PASS
N41	30kHz	100MHz	DFT-QPSK	Low	Outer_Full	95.973	100.0	PASS
N41	30kHz	100MHz	DFT-QPSK	Mid	Outer_Full	96.115	100.0	PASS
N41	30kHz	100MHz	DFT-QPSK	High	Outer_Full	96.136	100.0	PASS
N41	30kHz	100MHz	DFT-16QAM	Low	Outer_Full	96.048	99.59	PASS
N41	30kHz	100MHz	DFT-16QAM	Mid	Outer_Full	96.262	99.92	PASS
N41	30kHz	100MHz	DFT-16QAM	High	Outer_Full	96.248	99.95	PASS
N41	30kHz	100MHz	DFT-64QAM	Low	Outer_Full	96.083	99.83	PASS
N41	30kHz	100MHz	DFT-64QAM	Mid	Outer_Full	96.005	99.61	PASS
N41	30kHz	100MHz	DFT-64QAM	High	Outer_Full	96.131	99.68	PASS

N41	30kHz	100MHz	DFT-256QAM	Low	Outer_Full	96.236	99.74	PASS
N41	30kHz	100MHz	DFT-256QAM	Mid	Outer_Full	96.116	99.58	PASS
N41	30kHz	100MHz	DFT-256QAM	High	Outer_Full	96.155	99.72	PASS

2.1.2 Test Graphs



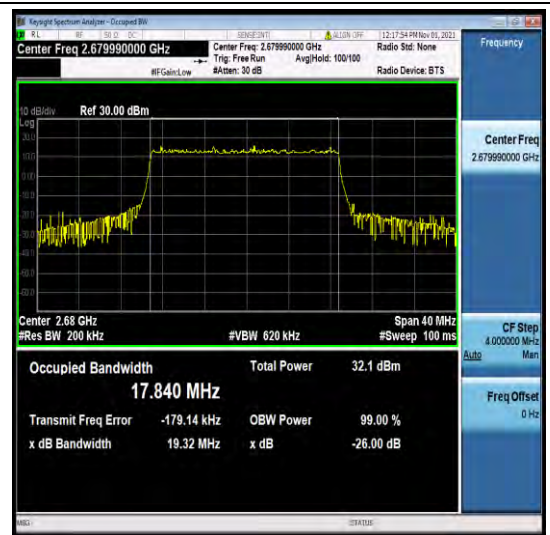


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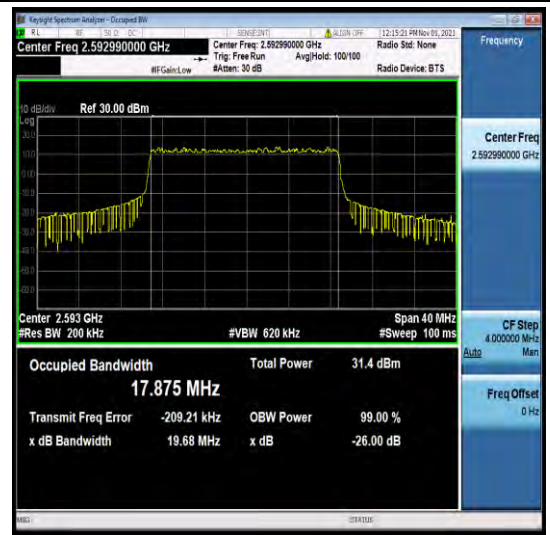
1-N41-30kHz-20MHz-DFT-QPSK-Mid-Outer_Full--Ant1-PASS



1-N41-30kHz-20MHz-DFT-QPSK-High-Outer_Full--Ant1-PASS



1-N41-30kHz-20MHz-DFT-16QAM-Low-Outer_Full--Ant1-PASS



1-N41-30kHz-20MHz-DFT-16QAM-Mid-Outer_Full--Ant1-PASS



1-N41-30kHz-20MHz-DFT-16QAM-High-Outer

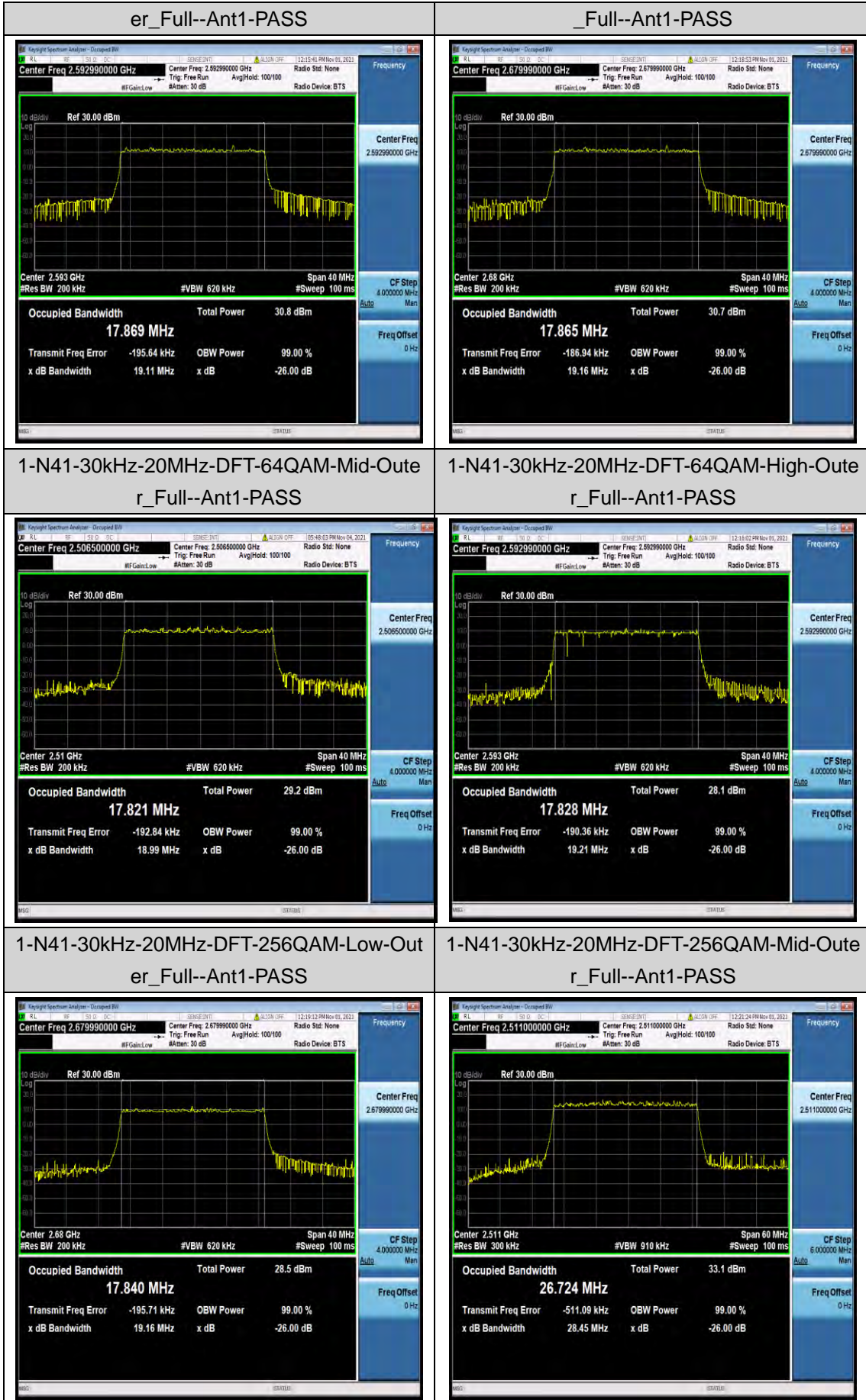


1-N41-30kHz-20MHz-DFT-64QAM-Low-Outer

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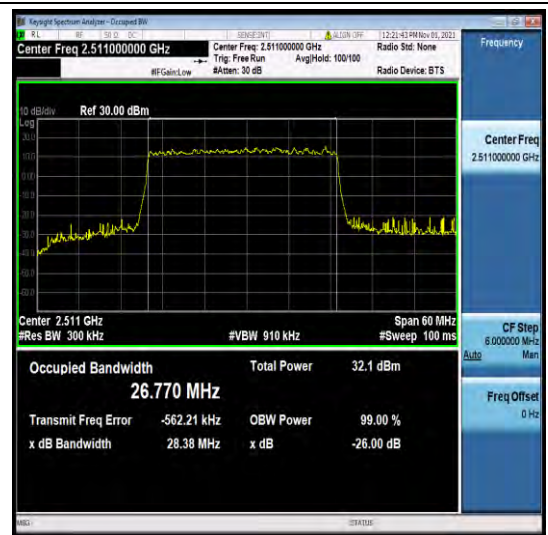




<p>1-N41-30kHz-20MHz-DFT-256QAM-High-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-30MHz-DFT-PI2BPSK-Low-Outer_Full--Ant1-PASS</p>
<p>Center Freq: 2.596980000 GHz</p> <p>Center Freq: 2.596980000 GHz</p> <p>Center Freq: 2.597 GHz</p> <p>Res BW: 300 kHz</p> <p>#VBW: 910 kHz</p> <p>Span: 60 MHz</p> <p>CF Step: 6.000000 MHz</p> <p>Occupied Bandwidth: 26.772 MHz</p> <p>Total Power: 32.8 dBm</p> <p>Transmit Freq Error: -534.35 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 28.58 MHz</p> <p>x dB: -26.00 dB</p>	<p>Center Freq: 2.674980000 GHz</p> <p>Center Freq: 2.674980000 GHz</p> <p>Center Freq: 2.675 GHz</p> <p>Res BW: 300 kHz</p> <p>#VBW: 910 kHz</p> <p>Span: 60 MHz</p> <p>CF Step: 6.000000 MHz</p> <p>Occupied Bandwidth: 26.759 MHz</p> <p>Total Power: 32.8 dBm</p> <p>Transmit Freq Error: -531.71 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 28.70 MHz</p> <p>x dB: -26.00 dB</p>
<p>1-N41-30kHz-30MHz-DFT-PI2BPSK-Mid-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-30MHz-DFT-PI2BPSK-High-Outer_Full--Ant1-PASS</p>
<p>Center Freq: 2.511000000 GHz</p> <p>Center Freq: 2.511000000 GHz</p> <p>Center Freq: 2.511 GHz</p> <p>Res BW: 300 kHz</p> <p>#VBW: 910 kHz</p> <p>Span: 60 MHz</p> <p>CF Step: 6.000000 MHz</p> <p>Occupied Bandwidth: 26.842 MHz</p> <p>Total Power: 32.9 dBm</p> <p>Transmit Freq Error: -550.38 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 28.60 MHz</p> <p>x dB: -26.00 dB</p>	<p>Center Freq: 2.596980000 GHz</p> <p>Center Freq: 2.596980000 GHz</p> <p>Center Freq: 2.597 GHz</p> <p>Res BW: 300 kHz</p> <p>#VBW: 910 kHz</p> <p>Span: 60 MHz</p> <p>CF Step: 6.000000 MHz</p> <p>Occupied Bandwidth: 26.828 MHz</p> <p>Total Power: 32.7 dBm</p> <p>Transmit Freq Error: -576.03 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 28.56 MHz</p> <p>x dB: -26.00 dB</p>
<p>1-N41-30kHz-30MHz-DFT-QPSK-Low-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-30MHz-DFT-QPSK-Mid-Outer_Full--Ant1-PASS</p>



1-N41-30kHz-30MHz-DFT-QPSK-High-Outer
_Full--Ant1-PASS



1-N41-30kHz-30MHz-DFT-16QAM-Low-Outer
_Full--Ant1-PASS



1-N41-30kHz-30MHz-DFT-16QAM-Mid-Outer
_Full--Ant1-PASS



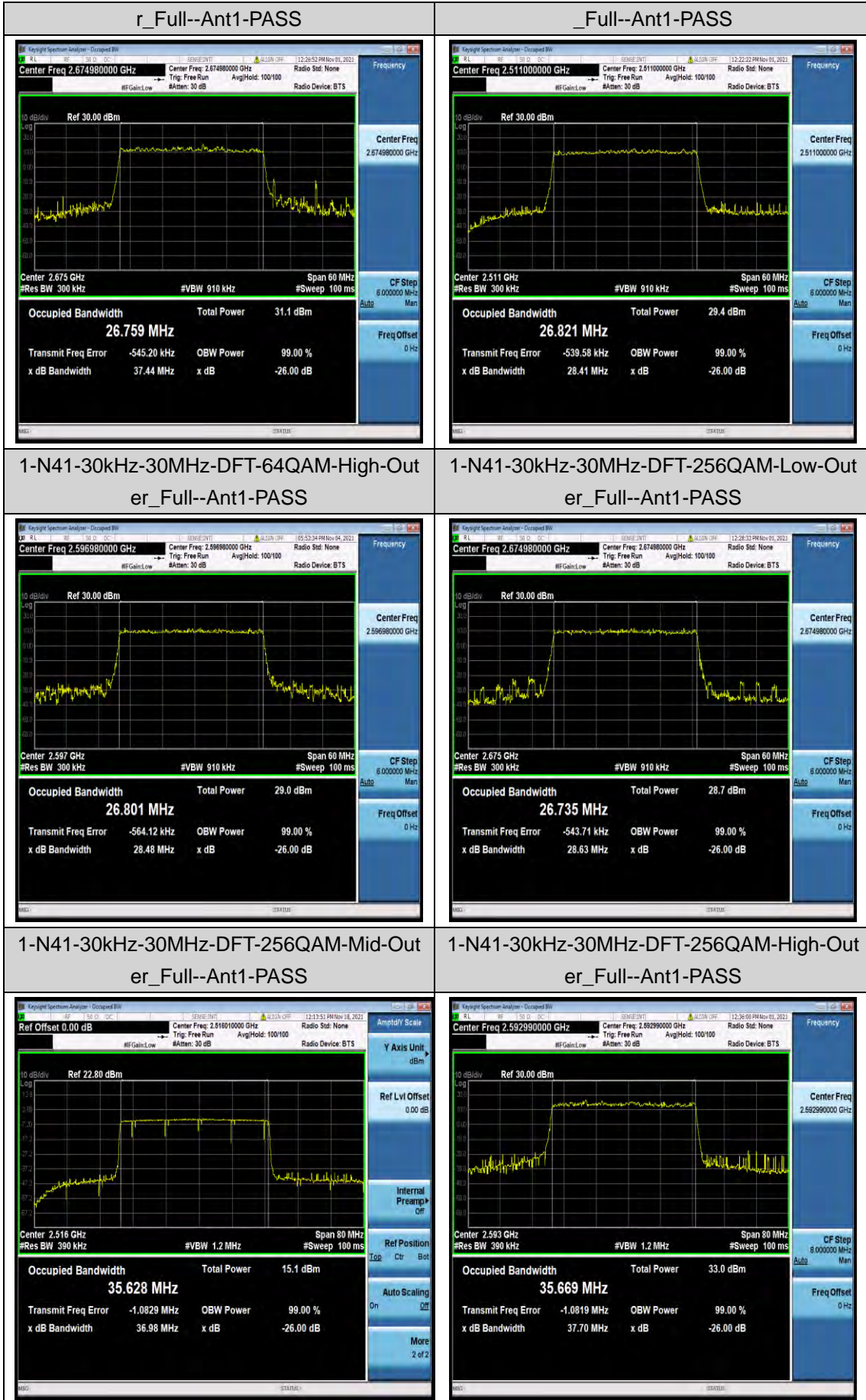
1-N41-30kHz-30MHz-DFT-16QAM-High-Outer
_Full--Ant1-PASS



1-N41-30kHz-30MHz-DFT-64QAM-Low-Outer



1-N41-30kHz-30MHz-DFT-64QAM-Mid-Outer





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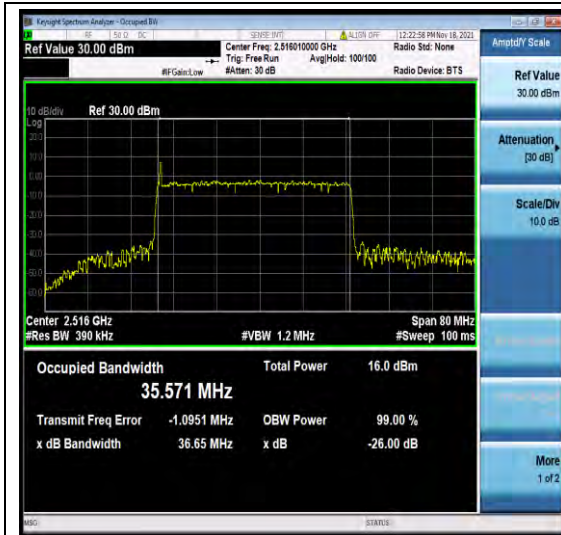
Test Report No.: W7L-P20210616-3RF06

<p>1-N41-30kHz-40MHz-DFT-PI2BPSK-Low-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-40MHz-DFT-PI2BPSK-Mid-Outer_Full--Ant1-PASS</p>
<p>Center Freq 2.67000000 GHz</p> <p>Center Freq 2.67000000 GHz</p> <p>Center 2.67 GHz</p> <p>Res BW 390 kHz</p> <p>#VBW 1.2 MHz</p> <p>Span 80 MHz</p> <p>#Sweep 100 ms</p> <p>CF Step 8.000000 MHz</p> <p>Occupied Bandwidth 35.688 MHz</p> <p>Total Power 32.8 dBm</p> <p>Transmit Freq Error -1.0702 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 37.73 MHz</p> <p>x dB -26.00 dB</p>	<p>Center Freq 2.67000000 GHz</p> <p>Center Freq 2.67000000 GHz</p> <p>Center 2.516 GHz</p> <p>Res BW 390 kHz</p> <p>#VBW 1.2 MHz</p> <p>Span 80 MHz</p> <p>#Sweep 100 ms</p> <p>CF Step 8.000000 MHz</p> <p>Occupied Bandwidth 35.580 MHz</p> <p>Total Power 15.5 dBm</p> <p>Transmit Freq Error -1.0826 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.76 MHz</p> <p>x dB -26.00 dB</p>
<p>1-N41-30kHz-40MHz-DFT-PI2BPSK-High-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-40MHz-DFT-QPSK-Low-Outer_Full--Ant1-PASS</p>
<p>Center Freq 2.59290000 GHz</p> <p>Center Freq 2.59290000 GHz</p> <p>Center 2.593 GHz</p> <p>Res BW 390 kHz</p> <p>#VBW 1.2 MHz</p> <p>Span 80 MHz</p> <p>#Sweep 100 ms</p> <p>CF Step 8.000000 MHz</p> <p>Occupied Bandwidth 35.677 MHz</p> <p>Total Power 33.1 dBm</p> <p>Transmit Freq Error -1.1003 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 37.59 MHz</p> <p>x dB -26.00 dB</p>	<p>Center Freq 2.67000000 GHz</p> <p>Center Freq 2.67000000 GHz</p> <p>Center 2.67 GHz</p> <p>Res BW 390 kHz</p> <p>#VBW 1.2 MHz</p> <p>Span 80 MHz</p> <p>#Sweep 100 ms</p> <p>CF Step 8.000000 MHz</p> <p>Occupied Bandwidth 35.725 MHz</p> <p>Total Power 32.9 dBm</p> <p>Transmit Freq Error -1.0911 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 37.80 MHz</p> <p>x dB -26.00 dB</p>
<p>1-N41-30kHz-40MHz-DFT-QPSK-Mid-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-40MHz-DFT-QPSK-High-Outer_Full--Ant1-PASS</p>

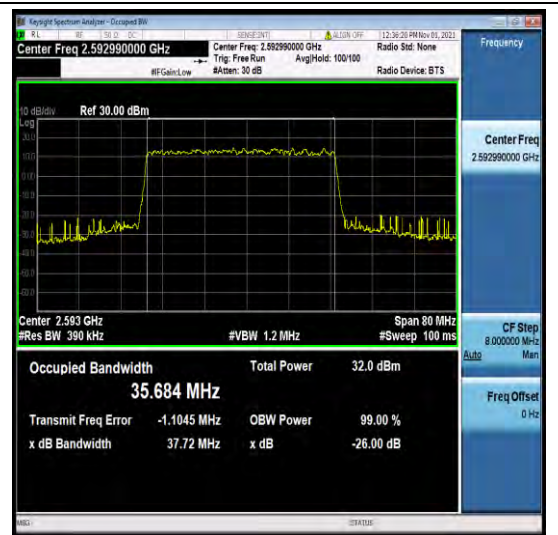


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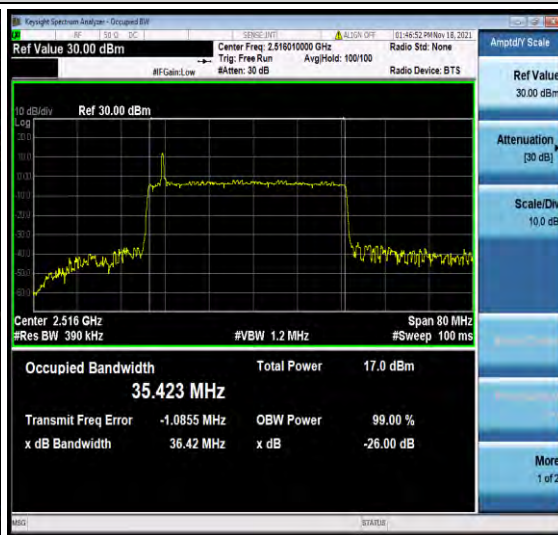
1-N41-30kHz-40MHz-DFT-16QAM-Low-Outer_Full--Ant1-PASS



1-N41-30kHz-40MHz-DFT-16QAM-Mid-Outer_Full--Ant1-PASS



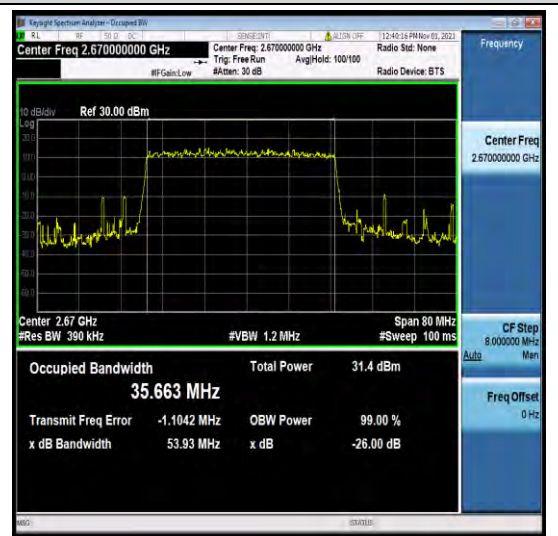
1-N41-30kHz-40MHz-DFT-16QAM-High-Outer_Full--Ant1-FAIL



1-N41-30kHz-40MHz-DFT-64QAM-Low-Outer_Full--Ant1-PASS



1-N41-30kHz-40MHz-DFT-64QAM-Mid-Outer

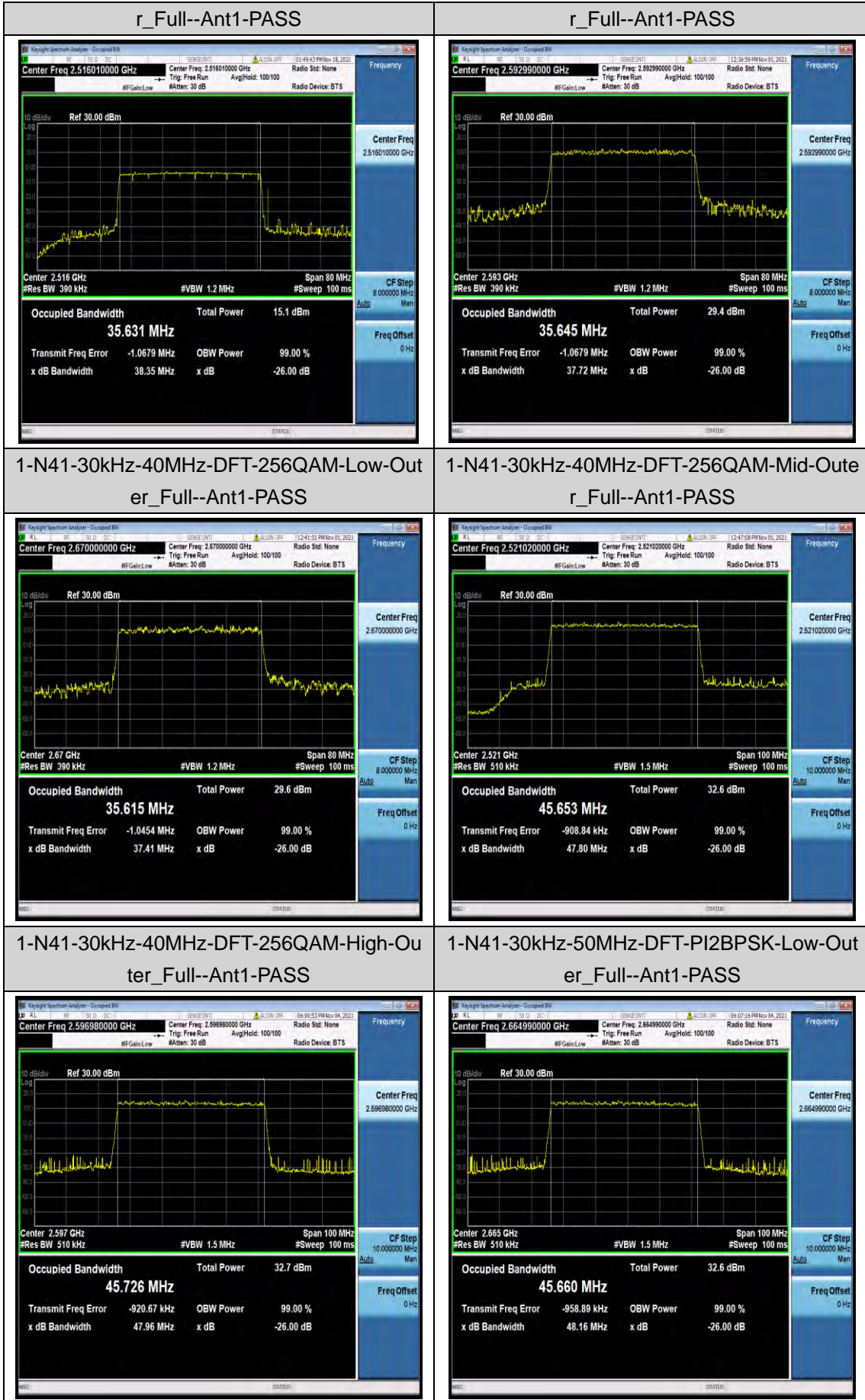


1-N41-30kHz-40MHz-DFT-64QAM-High-Outer

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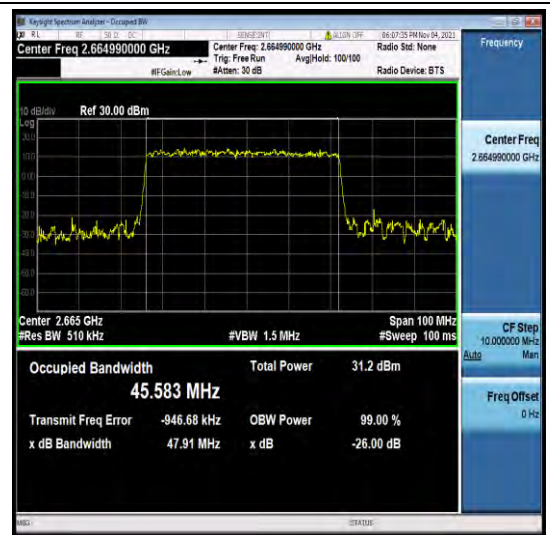


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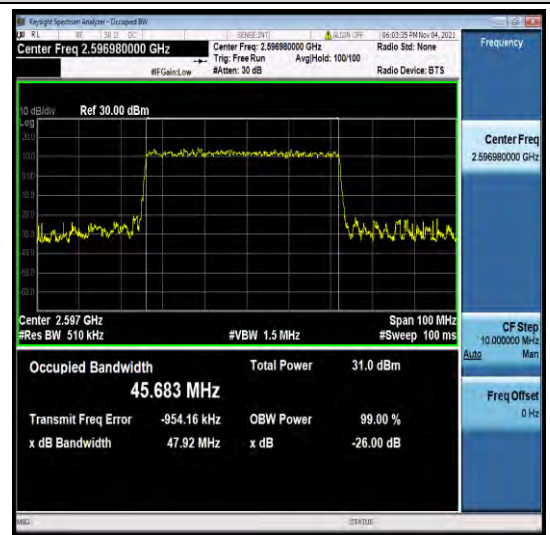
1-N41-30kHz-50MHz-DFT-16QAM-Mid-Outer_Full--Ant1-PASS



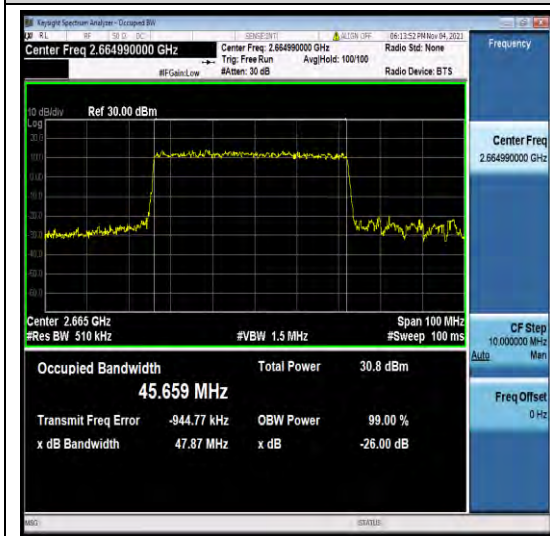
1-N41-30kHz-50MHz-DFT-16QAM-High-Outer_Full--Ant1-PASS



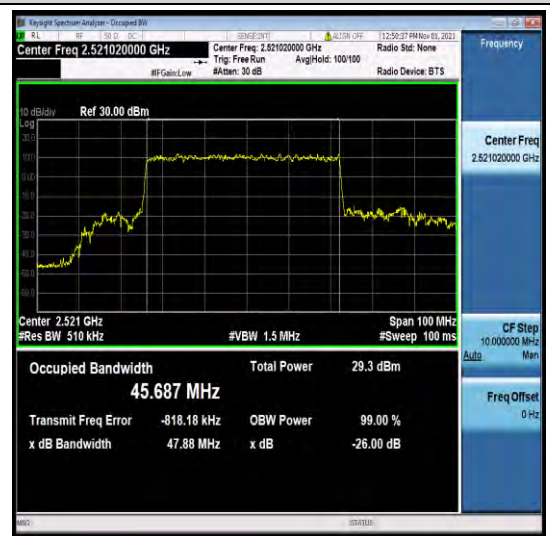
1-N41-30kHz-50MHz-DFT-64QAM-Low-Outer_Full--Ant1-PASS



1-N41-30kHz-50MHz-DFT-64QAM-Mid-Outer_Full--Ant1-PASS



1-N41-30kHz-50MHz-DFT-64QAM-High-Outer

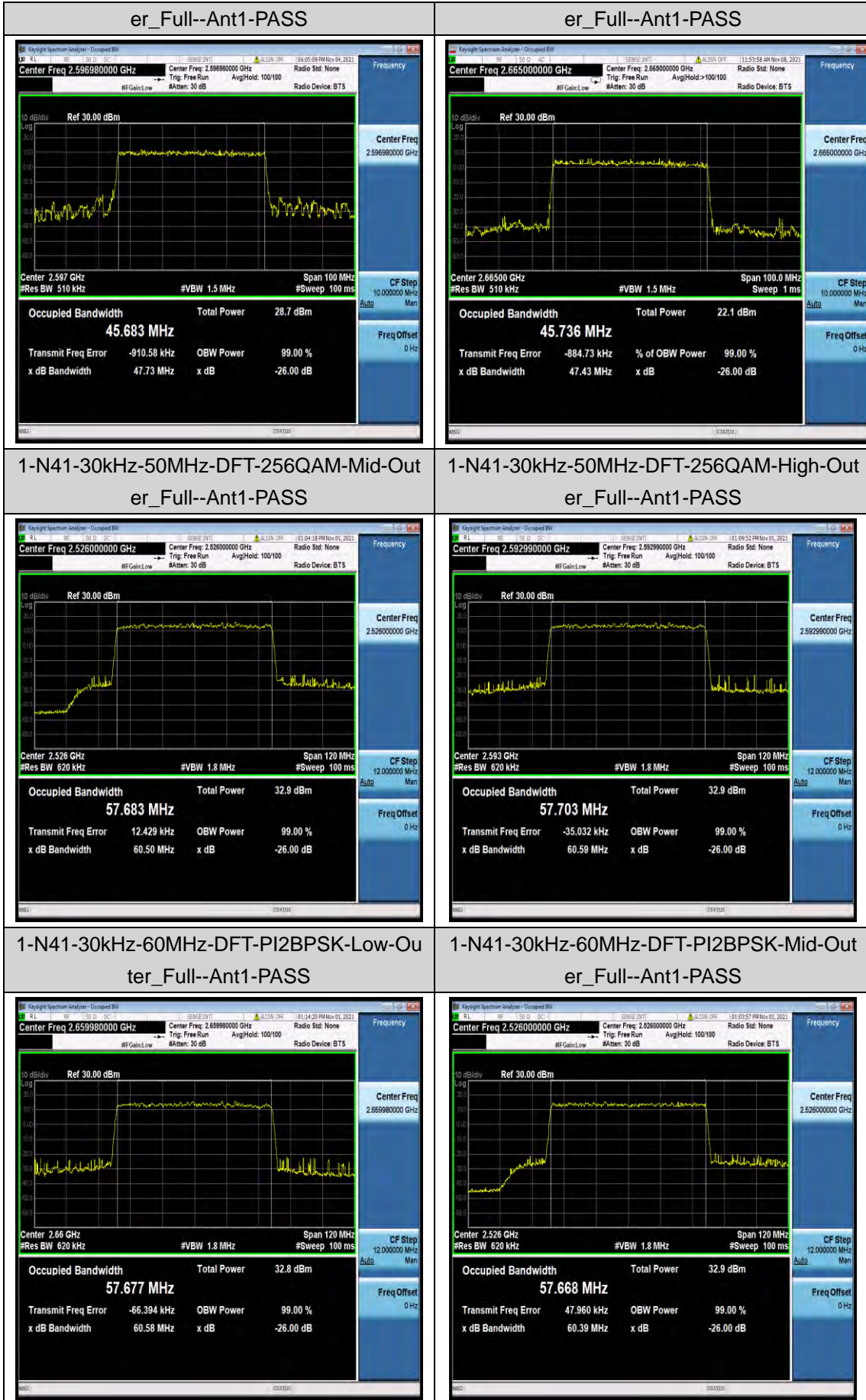


1-N41-30kHz-50MHz-DFT-256QAM-Low-Outer

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<p>1-N41-30kHz-60MHz-DFT-PI2BPSK-High-Outer_Full--Ant1-PASS</p> <p>Center Freq: 2.592900000 GHz Occupied Bandwidth: 57.860 MHz Total Power: 32.9 dBm Transmit Freq Error: 15.945 kHz x dB Bandwidth: 60.35 MHz</p>	<p>1-N41-30kHz-60MHz-DFT-QPSK-Low-Outer_Full--Ant1-PASS</p> <p>Center Freq: 2.659980000 GHz Occupied Bandwidth: 57.743 MHz Total Power: 32.8 dBm Transmit Freq Error: -40.847 kHz x dB Bandwidth: 60.36 MHz</p>
<p>1-N41-30kHz-60MHz-DFT-QPSK-Mid-Outer_Full--Ant1-PASS</p> <p>Center Freq: 2.526000000 GHz Occupied Bandwidth: 57.936 MHz Total Power: 22.4 dBm Transmit Freq Error: 58.164 kHz x dB Bandwidth: 59.98 MHz</p>	<p>1-N41-30kHz-60MHz-DFT-QPSK-High-Outer_Full--Ant1-PASS</p> <p>Center Freq: 2.592900000 GHz Occupied Bandwidth: 57.838 MHz Total Power: 31.8 dBm Transmit Freq Error: -83.894 kHz x dB Bandwidth: 60.38 MHz</p>
<p>1-N41-30kHz-60MHz-DFT-16QAM-Low-Outer_Full--Ant1-PASS</p>	<p>1-N41-30kHz-60MHz-DFT-16QAM-Mid-Outer_Full--Ant1-PASS</p>