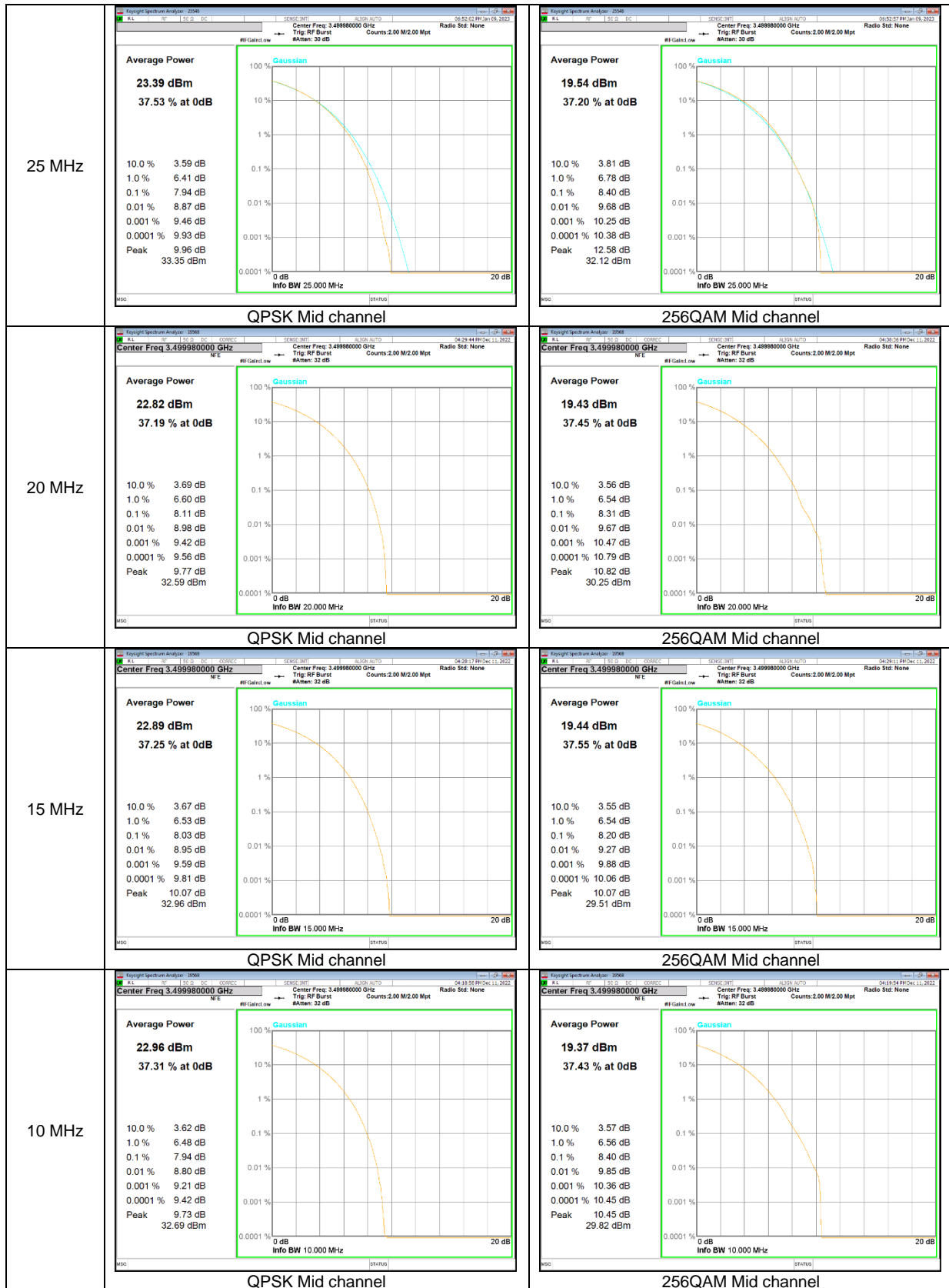
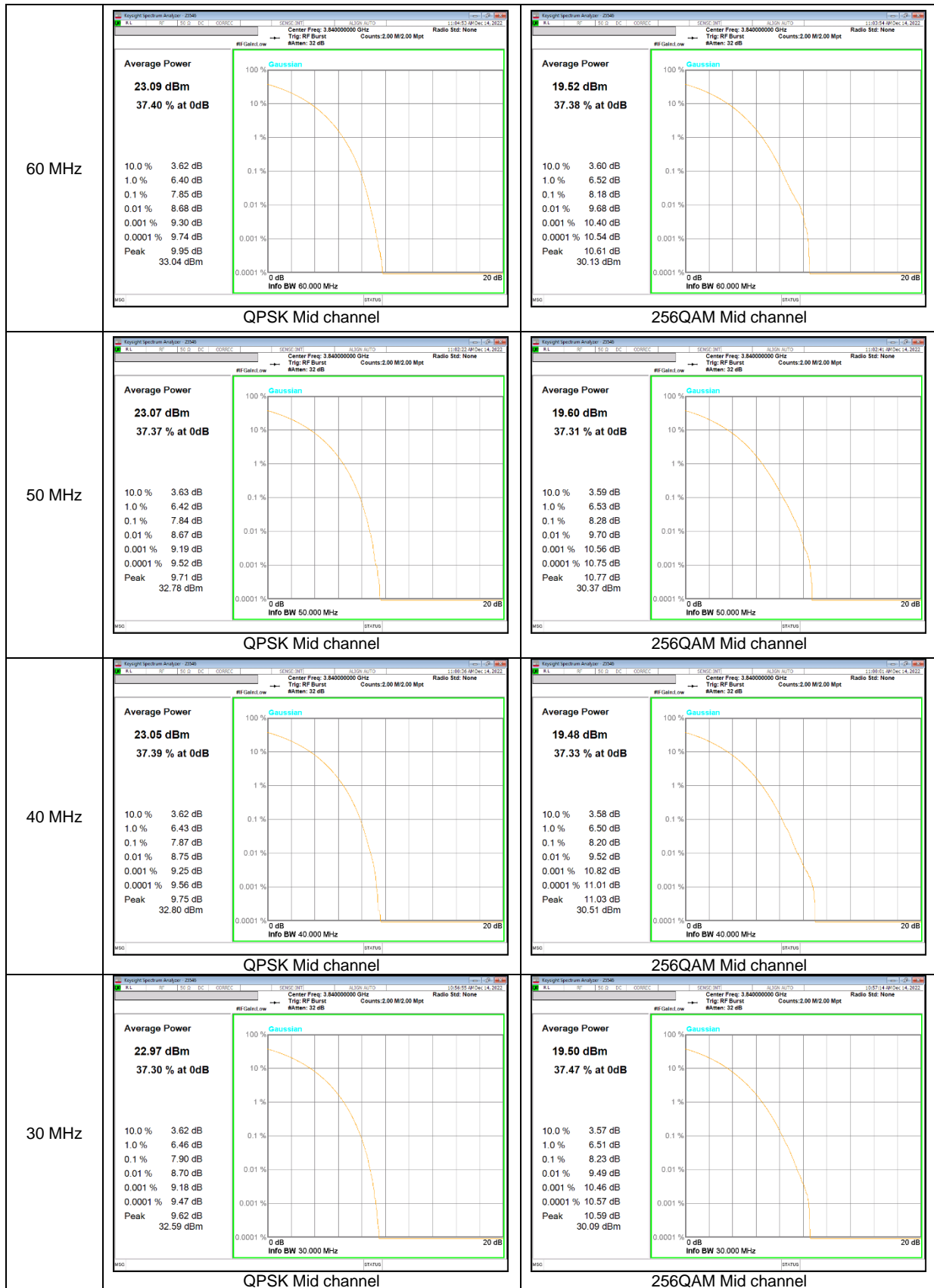


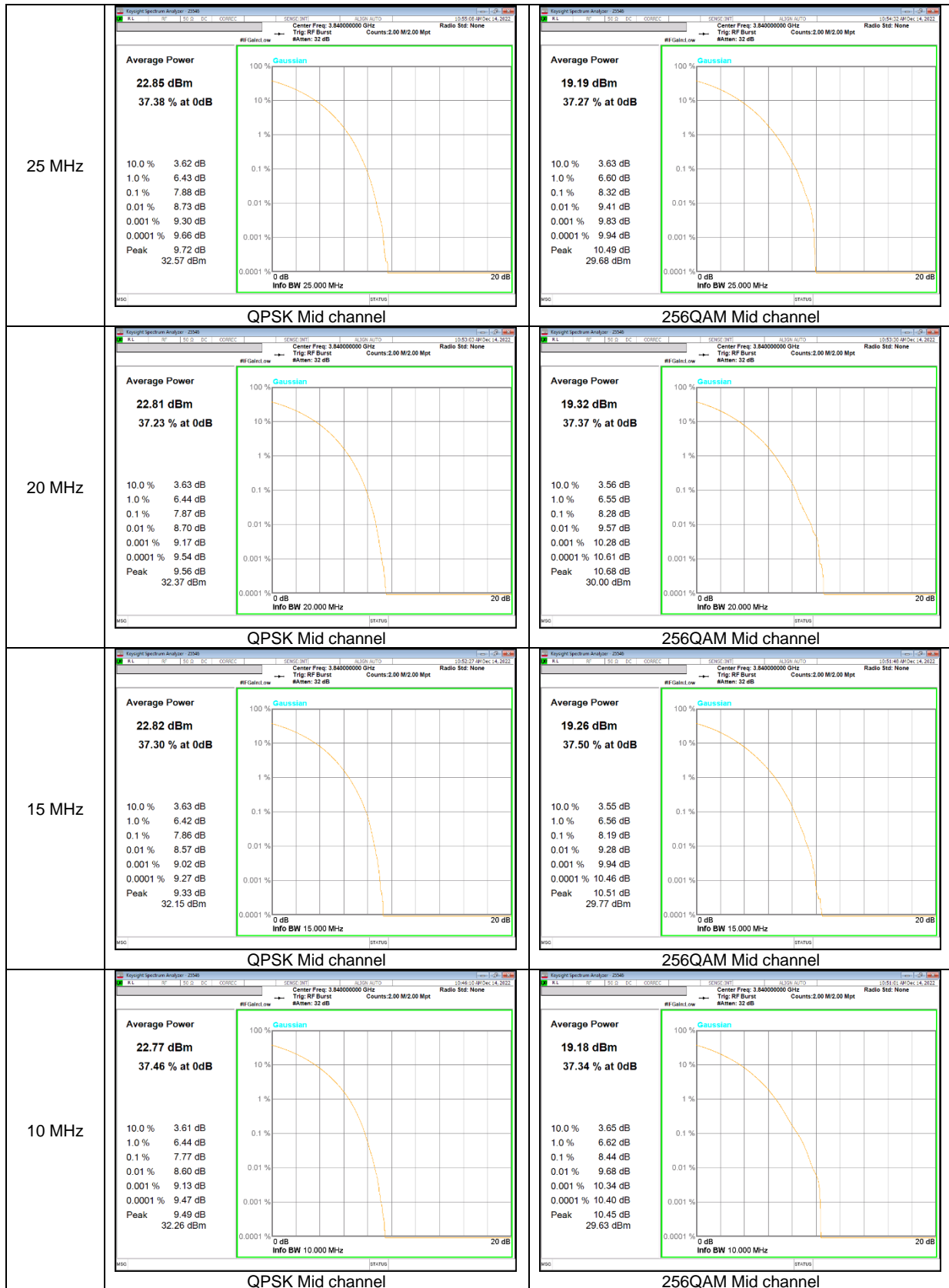
<p>60 MHz</p>	<p>Average Power 22.82 dBm 37.28 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.48 dB 0.1 % 7.98 dB 0.01 % 8.86 dB 0.001 % 9.49 dB 0.0001 % 9.76 dB Peak 9.91 dB 32.73 dBm</p> <p>Info BW 60.000 MHz</p>	<p>Average Power 19.33 dBm 37.36 % at 0dB</p> <p>10.0 % 3.58 dB 1.0 % 6.50 dB 0.1 % 8.20 dB 0.01 % 9.79 dB 0.001 % 10.60 dB 0.0001 % 10.73 dB Peak 10.76 dB 30.09 dBm</p> <p>Info BW 60.000 MHz</p>
<p>50 MHz</p>	<p>Average Power 22.85 dBm 37.22 % at 0dB</p> <p>10.0 % 3.62 dB 1.0 % 6.49 dB 0.1 % 8.00 dB 0.01 % 8.87 dB 0.001 % 9.45 dB 0.0001 % 9.78 dB Peak 10.01 dB 32.96 dBm</p> <p>Info BW 50.000 MHz</p>	<p>Average Power 19.41 dBm 37.30 % at 0dB</p> <p>10.0 % 3.58 dB 1.0 % 6.54 dB 0.1 % 8.34 dB 0.01 % 9.81 dB 0.001 % 10.80 dB 0.0001 % 10.96 dB Peak 11.02 dB 30.43 dBm</p> <p>Info BW 50.000 MHz</p>
<p>40 MHz</p>	<p>Average Power 22.88 dBm 37.22 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.50 dB 0.1 % 8.02 dB 0.01 % 8.96 dB 0.001 % 9.64 dB 0.0001 % 10.00 dB Peak 10.07 dB 32.95 dBm</p> <p>Info BW 40.000 MHz</p>	<p>Average Power 19.41 dBm 37.40 % at 0dB</p> <p>10.0 % 3.57 dB 1.0 % 6.51 dB 0.1 % 8.21 dB 0.01 % 9.52 dB 0.001 % 11.11 dB 0.0001 % 11.26 dB Peak 11.28 dB 30.69 dBm</p> <p>Info BW 40.000 MHz</p>
<p>30 MHz</p>	<p>Average Power 22.89 dBm 37.22 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.47 dB 0.1 % 7.97 dB 0.01 % 8.83 dB 0.001 % 9.39 dB 0.0001 % 9.66 dB Peak 9.86 dB 32.75 dBm</p> <p>Info BW 30.000 MHz</p>	<p>Average Power 19.43 dBm 37.49 % at 0dB</p> <p>10.0 % 3.56 dB 1.0 % 6.52 dB 0.1 % 8.26 dB 0.01 % 9.58 dB 0.001 % 10.68 dB 0.0001 % 10.86 dB Peak 10.86 dB 30.29 dBm</p> <p>Info BW 30.000 MHz</p>



NR Band n77(PC2) CP-OFDM (3700-3980 MHz)

<p>100 MHz</p>	<p>Average Power 23.03 dBm 37.35 % at 0dB</p> <p>10.0 % 3.64 dB 1.0 % 6.46 dB 0.1 % 7.88 dB 0.01 % 8.73 dB 0.001 % 9.29 dB 0.0001 % 9.68 dB Peak 9.82 dB 32.85 dBm</p> <p>QPSK Mid channel</p>	<p>Average Power 19.52 dBm 37.22 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.53 dB 0.1 % 8.19 dB 0.01 % 9.29 dB 0.001 % 10.07 dB 0.0001 % 10.46 dB Peak 10.54 dB 30.06 dBm</p> <p>256QAM Mid channel</p>
<p>90 MHz</p>	<p>Average Power 23.10 dBm 37.43 % at 0dB</p> <p>10.0 % 3.62 dB 1.0 % 6.44 dB 0.1 % 7.85 dB 0.01 % 8.65 dB 0.001 % 9.09 dB 0.0001 % 9.46 dB Peak 9.55 dB 32.65 dBm</p> <p>QPSK Mid channel</p>	<p>Average Power 19.41 dBm 36.98 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.58 dB 0.1 % 8.39 dB 0.01 % 9.53 dB 0.001 % 10.32 dB 0.0001 % 10.78 dB Peak 10.79 dB 30.20 dBm</p> <p>256QAM Mid channel</p>
<p>80 MHz</p>	<p>Average Power 23.02 dBm 37.17 % at 0dB</p> <p>10.0 % 3.63 dB 1.0 % 6.46 dB 0.1 % 7.91 dB 0.01 % 8.78 dB 0.001 % 9.41 dB 0.0001 % 9.81 dB Peak 10.13 dB 33.15 dBm</p> <p>QPSK Mid channel</p>	<p>Average Power 19.39 dBm 37.12 % at 0dB</p> <p>10.0 % 3.60 dB 1.0 % 6.56 dB 0.1 % 8.19 dB 0.01 % 9.41 dB 0.001 % 10.06 dB 0.0001 % 10.43 dB Peak 10.45 dB 29.84 dBm</p> <p>256QAM Mid channel</p>
<p>70 MHz</p>	<p>Average Power 23.06 dBm 37.36 % at 0dB</p> <p>10.0 % 3.63 dB 1.0 % 6.45 dB 0.1 % 7.87 dB 0.01 % 8.77 dB 0.001 % 9.31 dB 0.0001 % 9.53 dB Peak 9.64 dB 32.70 dBm</p> <p>QPSK Mid channel</p>	<p>Average Power 19.55 dBm 37.24 % at 0dB</p> <p>10.0 % 3.61 dB 1.0 % 6.51 dB 0.1 % 8.22 dB 0.01 % 9.31 dB 0.001 % 10.00 dB 0.0001 % 10.30 dB Peak 10.31 dB 29.86 dBm</p> <p>256QAM Mid channel</p>





9. CONDUCTED AND RADIATED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at middle channel in each band. The -26dB bandwidth was also measured and recorded.

(KDB 971168 D01 Power Meas License Digital Systems v03r01)

RESULTS

See the following pages.

- GSM

Band	Modulation	f [MHz]	99% BW (kHz)	-26dB BW (kHz)
850	GPRS	836.6	248.98	322.1
	EGPRS		246.07	315.2
1900	GPRS	1880.0	245.92	321.5
	EGPRS		241.78	309.8

- WCDMA

Band	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
B5	Rel.99	836.6	4.144	4.706
	HSDPA		4.136	4.696
B2	Rel.99	1880.0	4.169	4.746
	HSDPA		4.163	4.718

- LTE Band 2

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B2	20M	QPSK	1880.0	17.911	19.900
		16QAM		17.927	19.600
	15M	QPSK		13.426	15.070
		16QAM		13.449	15.270
	10M	QPSK		8.974	10.190
		16QAM		8.974	10.340
	5M	QPSK		4.494	5.311
		16QAM		4.507	5.267
	3M	QPSK		2.699	3.088
		16QAM		2.697	3.107
	1.4M	QPSK		1.085	1.281
		16QAM		1.088	1.314

- LTE Band 5

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B5	10M	QPSK	836.5	8.989	10.350
		16QAM		8.979	10.220
	5M	QPSK		4.498	5.276
		16QAM		4.497	5.261
	3M	QPSK		2.704	3.111
		16QAM		2.700	3.068
	1.4M	QPSK		1.085	1.303
		16QAM		1.084	1.281

- LTE Band 7

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B7	20M	QPSK	2535.0	17.914	19.880
		16QAM		17.929	19.670
	15M	QPSK		13.432	14.940
		16QAM		13.407	14.940
	10M	QPSK		8.994	10.200
		16QAM		8.983	10.390
	5M	QPSK		4.508	5.326
		16QAM		4.499	5.392

- LTE Band 12

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B12	10M	QPSK	707.5	8.955	10.130
		16QAM		8.941	10.010
	5M	QPSK		4.494	5.135
		16QAM		4.496	5.251
	3M	QPSK		2.695	3.043
		16QAM		2.699	3.087
	1.4M	QPSK		1.085	1.299
		16QAM		1.089	1.312

- LTE Band 13

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B13	10M	QPSK	782.0	8.944	10.230
		16QAM		8.944	10.240
	5M	QPSK		4.507	5.296
		16QAM		4.501	5.179

- LTE Band 66

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B66	20M	QPSK	1745.0	17.878	19.810
		16QAM		17.900	19.800
	15M	QPSK		13.409	14.760
		16QAM		13.436	14.910
	10M	QPSK		8.957	10.290
		16QAM		8.978	10.280
	5M	QPSK		4.497	5.249
		16QAM		4.498	5.197
	3M	QPSK		2.694	3.053
		16QAM		2.696	3.100
	1.4M	QPSK		1.096	1.300
		16QAM		1.091	1.320

- NR Band n2 CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n2	40M	QPSK	1880.0	38.575	46.100
		16QAM		38.582	41.180
	30M	QPSK		28.729	31.670
		16QAM		28.569	31.840
	25M	QPSK		23.788	25.810
		16QAM		23.786	25.270
	20M	QPSK		19.024	20.680
		16QAM		18.999	21.380
	15M	QPSK		14.114	15.250
		16QAM		14.144	15.130
	10M	QPSK		9.325	10.230
		16QAM		9.330	12.660
	5M	QPSK		4.504	5.397
		16QAM		4.495	5.328

- NR Band n5 CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n5	20M	QPSK	836.5	18.923	20.590
		16QAM		18.953	20.590
	15M	QPSK		14.123	15.270
		16QAM		14.137	15.040
	10M	QPSK		9.327	10.600
		16QAM		9.352	10.300
	5M	QPSK		4.505	5.619
		16QAM		4.498	5.128

- NR Band n66 CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n66	40M	QPSK	1745.0	38.551	41.280
		16QAM		38.529	41.520
	35M	QPSK		33.604	36.060
		16QAM		33.647	36.210
	30M	QPSK		28.559	31.150
		16QAM		28.601	31.900
	25M	QPSK		23.748	25.620
		16QAM		23.769	25.550
	20M	QPSK		18.940	20.360
		16QAM		18.965	20.590
	15M	QPSK		14.104	15.030
		16QAM		14.145	15.020
	10M	QPSK		9.323	11.190
		16QAM		9.316	10.340
	5M	QPSK		4.495	5.255
		16QAM		4.490	5.270

- NR Band n77(PC2) CP-OFDM (3450-3550 MHz)

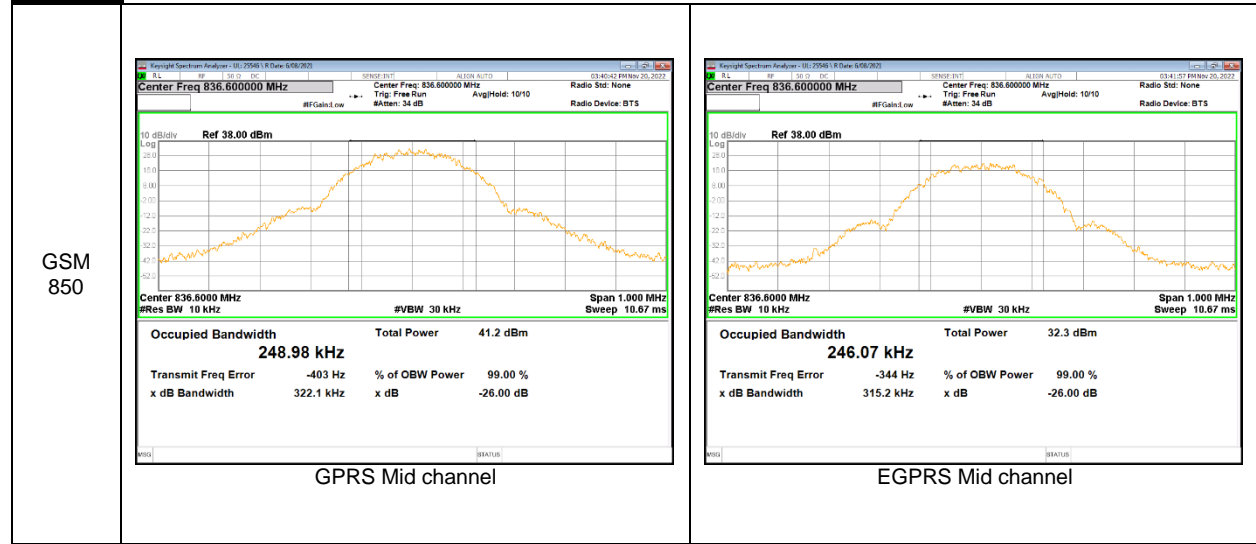
Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n77(PC2)	100M	QPSK	3500.0	97.686	102.300
		16QAM		98.024	101.700
	90M	QPSK		87.777	92.860
		16QAM		87.832	92.620
	80M	QPSK		77.732	82.090
		16QAM		77.949	82.160
	70M	QPSK		67.668	71.340
		16QAM		67.662	73.060
	60M	QPSK		57.899	61.760
		16QAM		57.905	61.170
	50M	QPSK		47.508	51.250
		16QAM		47.711	49.930
	40M	QPSK		37.969	41.490
		16QAM		37.974	40.720
	30M	QPSK		27.907	29.540
		16QAM		27.879	29.360
	25M	QPSK		23.278	24.380
		16QAM		23.217	24.900
	20M	QPSK		18.258	19.890
		16QAM		18.233	19.490
	15M	QPSK		13.593	15.470
		16QAM		13.561	14.540
	10M	QPSK		8.638	9.278
		16QAM		8.604	9.548

- NR Band n77(PC2) CP-OFDM (3700-3980 MHz)

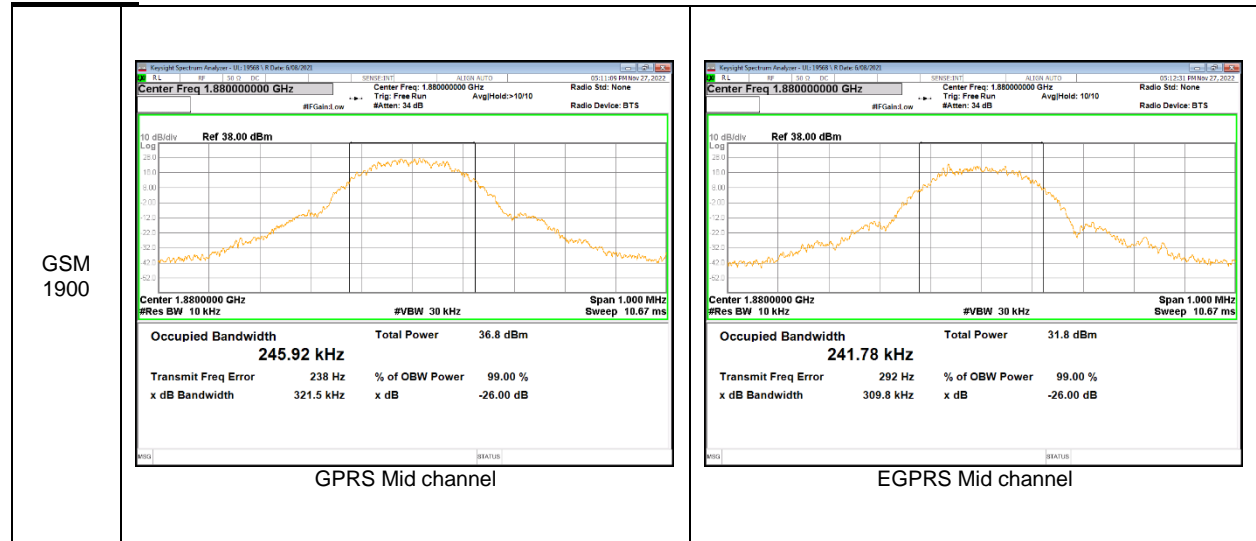
Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n77(PC2)	100M	QPSK	3840.0	97.811	102.500
		16QAM		97.626	102.600
	90M	QPSK		87.502	92.170
		16QAM		87.823	91.740
	80M	QPSK		77.579	81.850
		16QAM		77.501	82.350
	70M	QPSK		67.659	70.790
		16QAM		67.639	72.170
	60M	QPSK		57.754	61.970
		16QAM		58.072	62.530
	50M	QPSK		47.582	50.570
		16QAM		47.645	49.990
	40M	QPSK		37.943	40.490
		16QAM		37.973	40.370
	30M	QPSK		27.945	29.820
		16QAM		27.909	29.890
	25M	QPSK		23.285	24.630
		16QAM		23.347	24.940
	20M	QPSK		18.269	19.830
		16QAM		18.230	19.890
	15M	QPSK		13.594	15.080
		16QAM		13.528	14.720
	10M	QPSK		8.547	9.625
		16QAM		8.605	9.962

9.1.1. OCCUPIED BANDWIDTH RESULTS

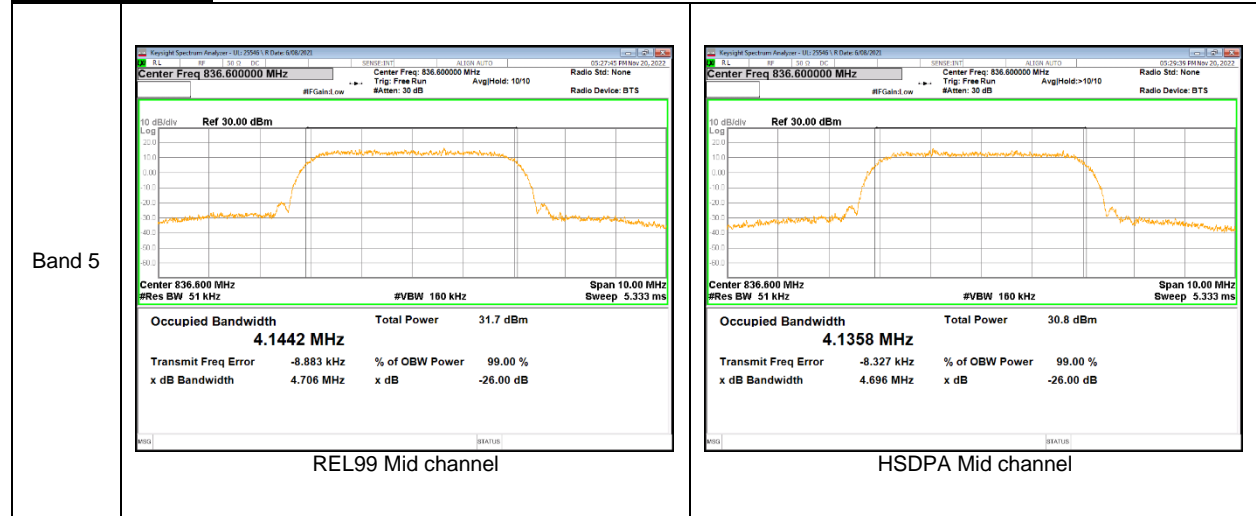
GSM 850



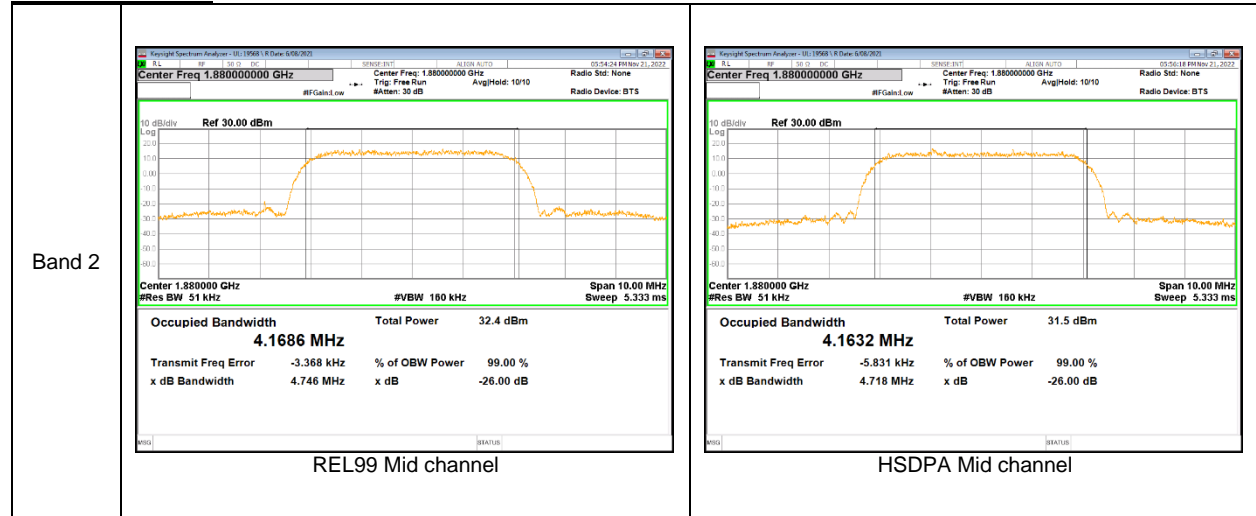
GSM 1900



WCDMA Band 5

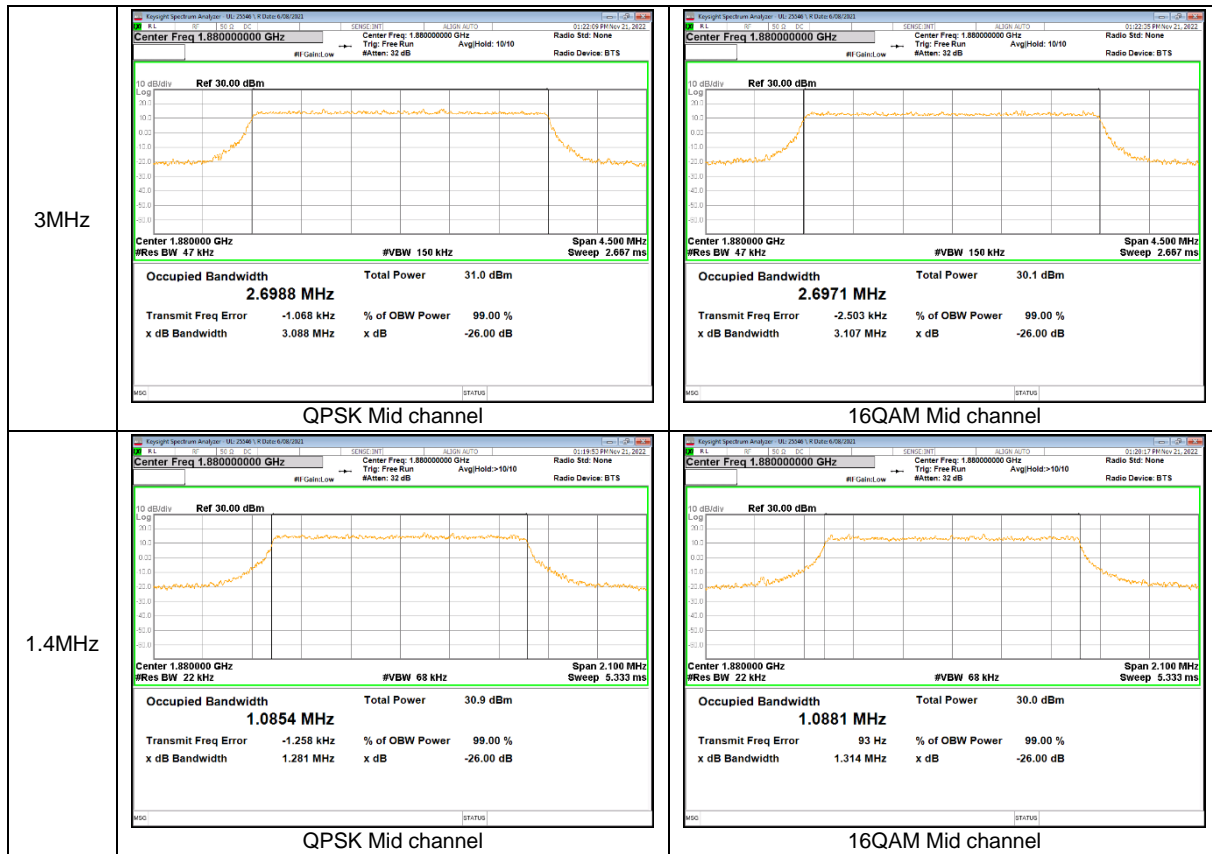


WCDMA Band 2



LTE Band 2





LTE Band 5



LTE Band 7



LTE Band 12



LTE Band 13



LTE Band 66





NR Band n2 CP-OFDM



