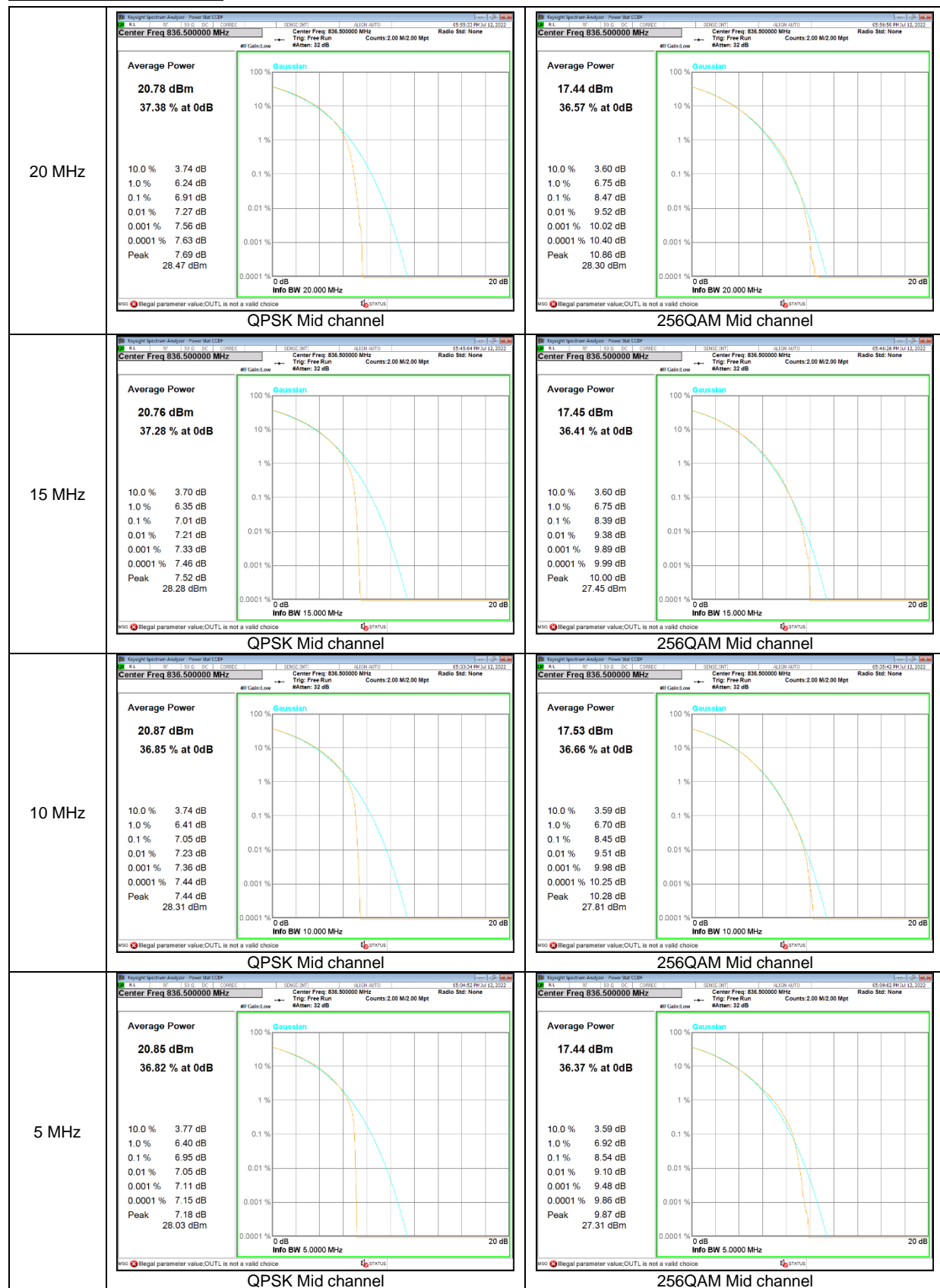
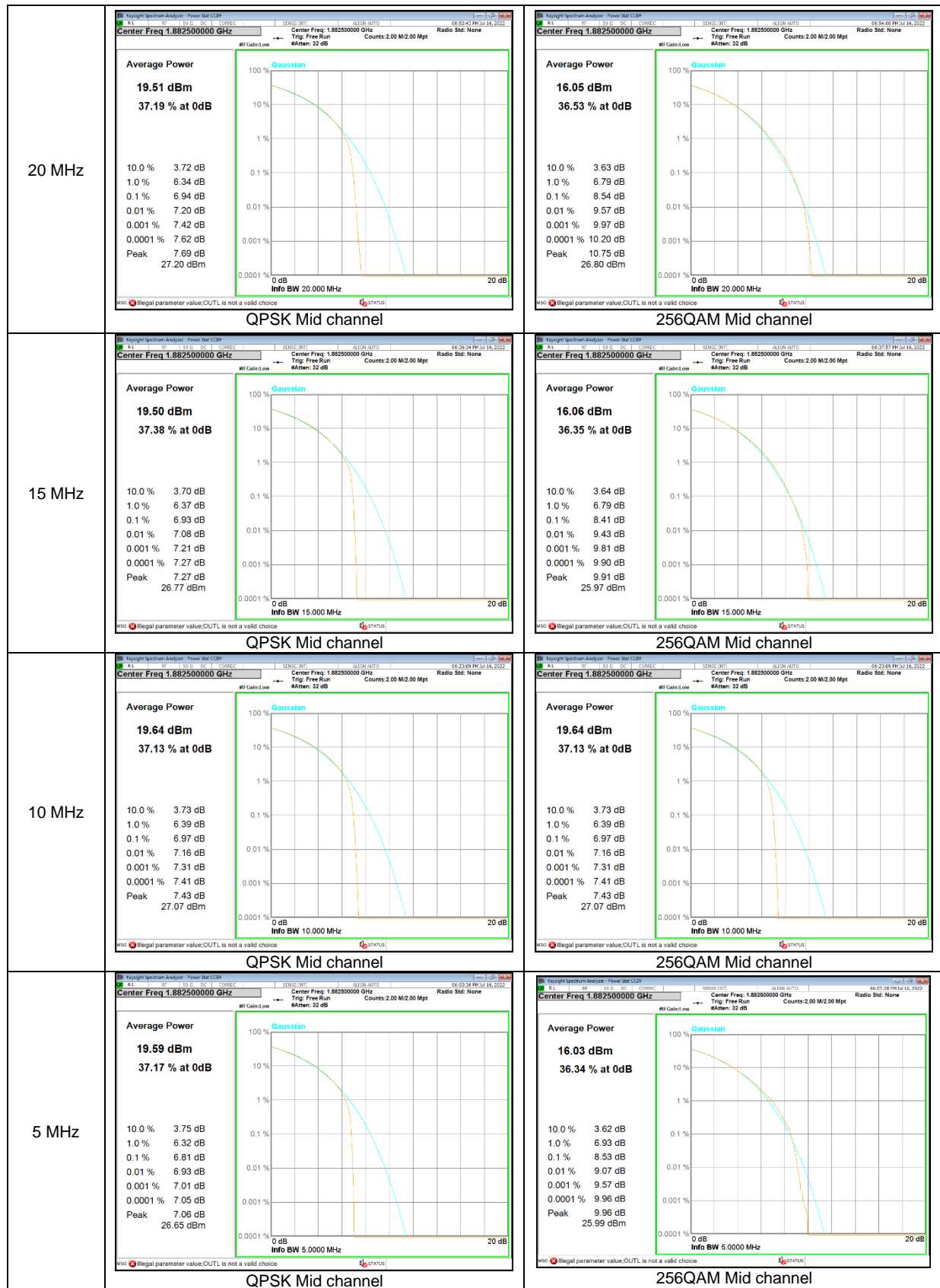


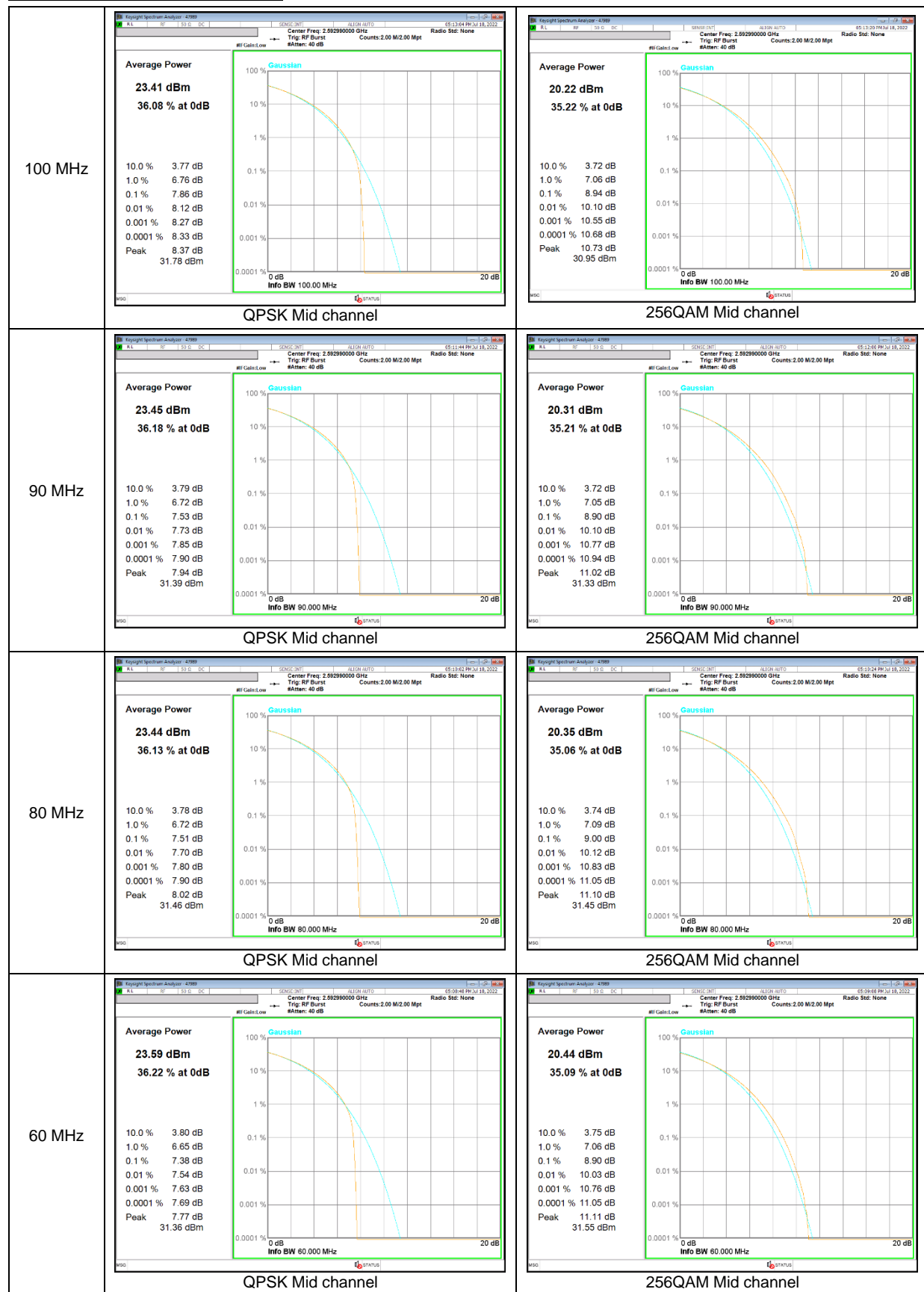
NR Band n5 CP-OFDM

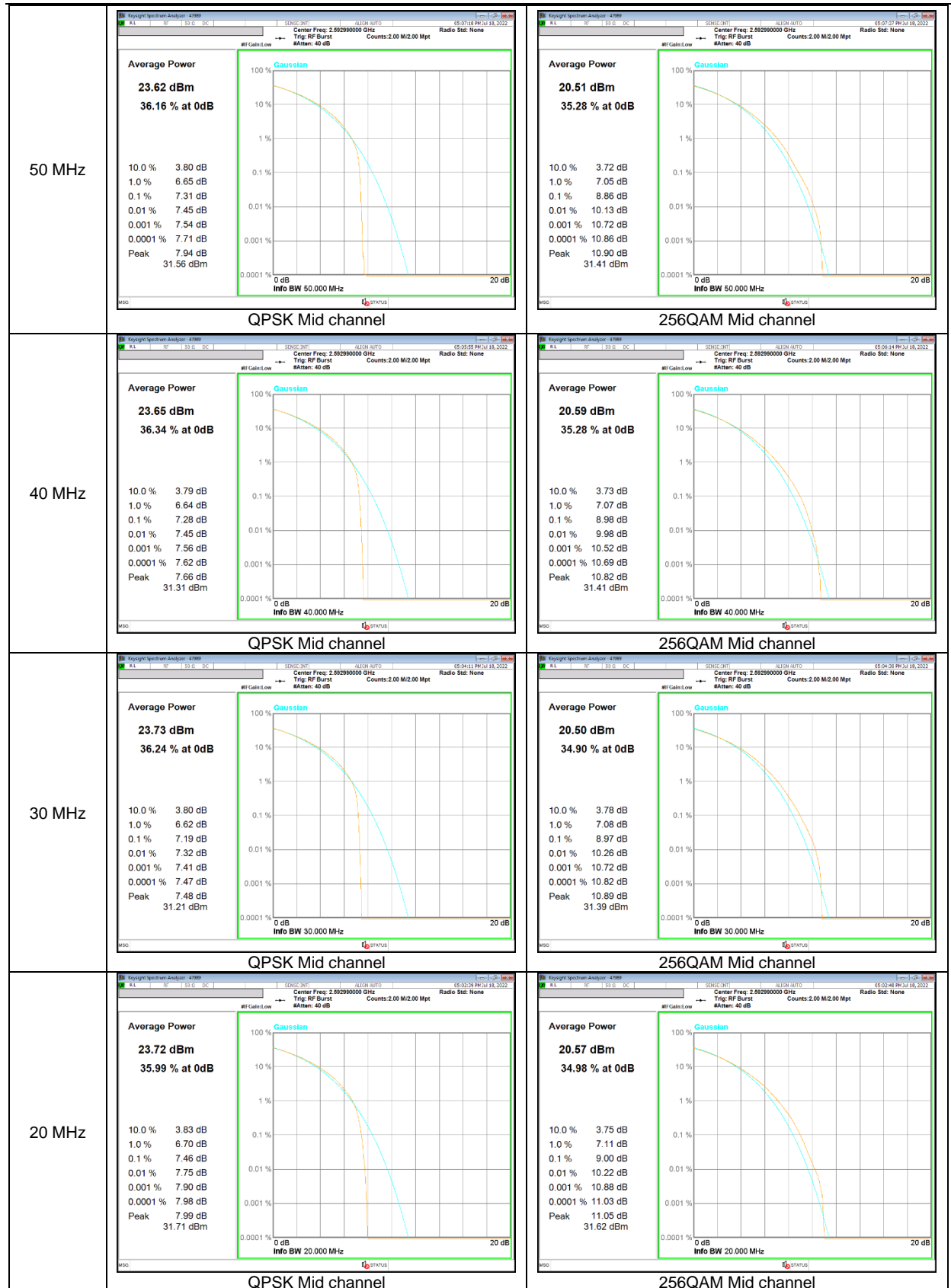


NR Band n25 CP-OFDM

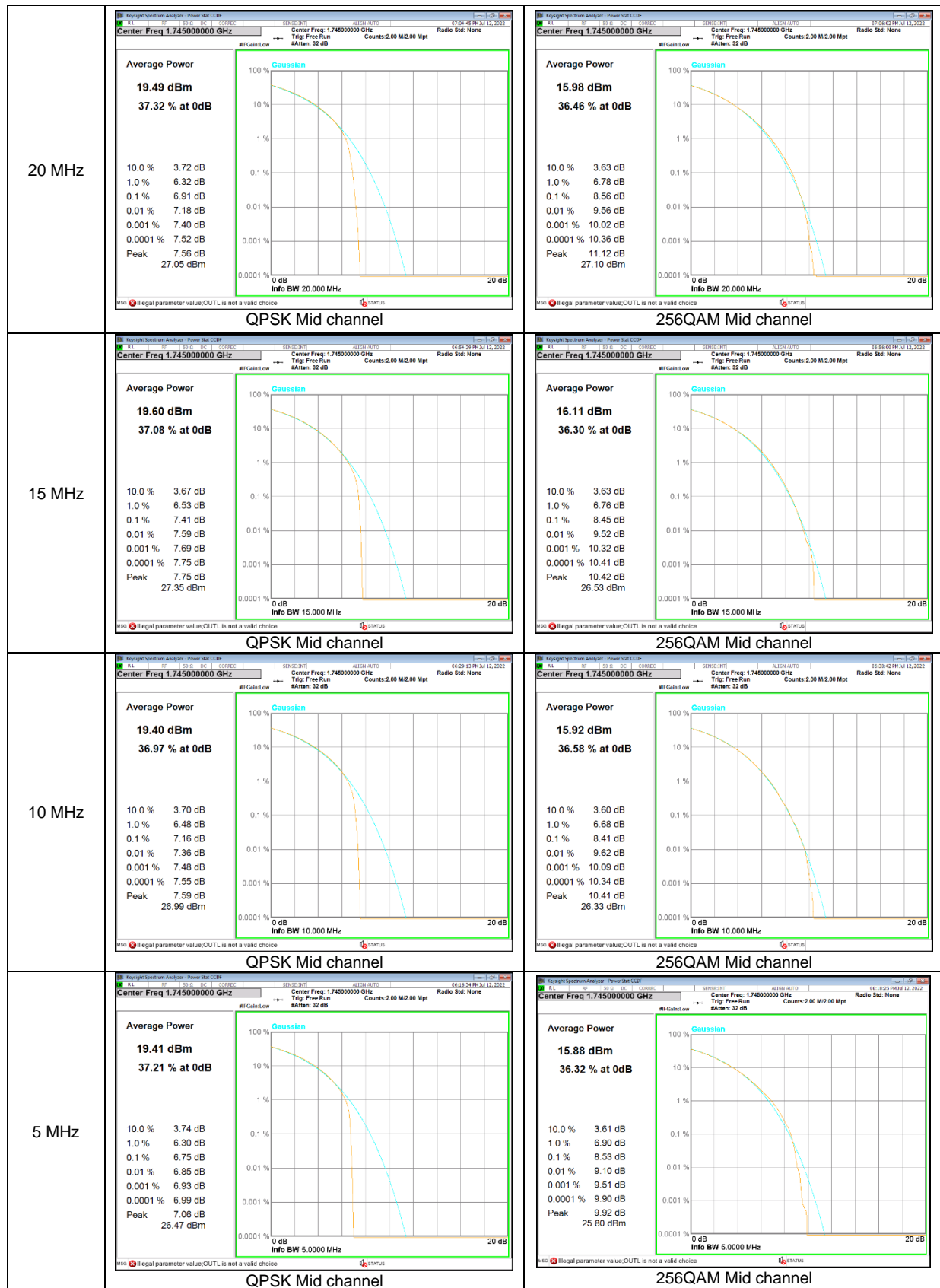


NR Band n41(PC2) CP-OFDM

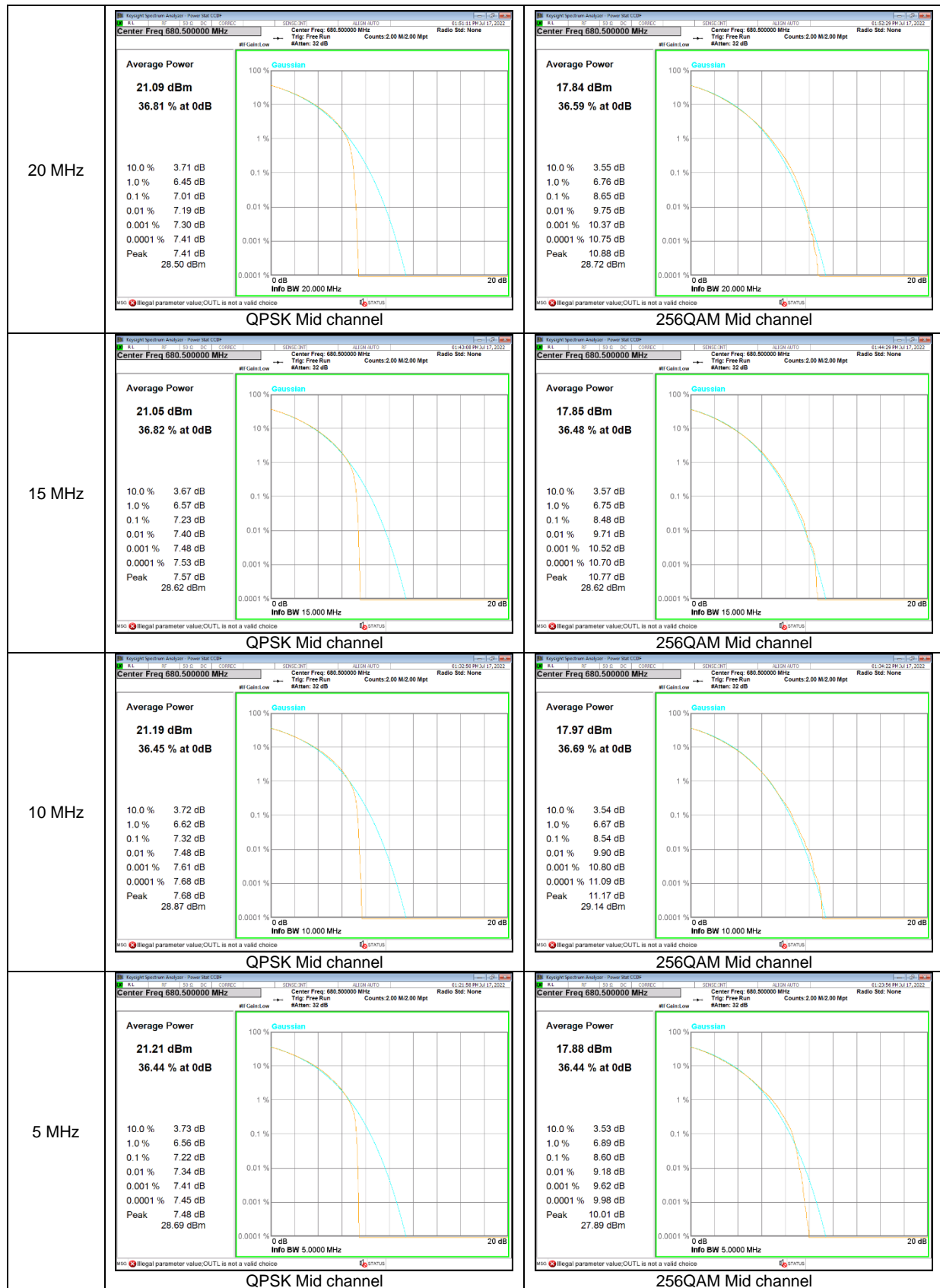




NR Band n66 CP-OFDM



NR Band n71 CP-OFDM



9. LIMITS AND CONDUCTED 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.

- WCDMA

Band	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
B5	Rel.99	836.6	4.138	4.656
	HSDPA		4.134	4.662
B4	Rel.99	1732.6	4.143	4.692
	HSDPA		4.154	4.676
B2	Rel.99	1880.0	4.151	4.682
	HSDPA		4.154	4.661

- LTE Band 7

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B7	20M	QPSK	2535.0	17.876	19.41
		16QAM		17.921	19.30
	15M	QPSK		13.410	14.56
		16QAM		13.418	14.51
	10M	QPSK		8.972	9.697
		16QAM		8.969	9.734
	5M	QPSK		4.494	4.905
		16QAM		4.483	4.897

- LTE Band 12

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B12	10M	QPSK	707.5	8.962	9.703
		16QAM		8.934	9.626
	5M	QPSK		4.485	4.892
		16QAM		4.483	4.911
	3M	QPSK		2.693	2.966
		16QAM		2.687	2.994
	1.4M	QPSK		1.092	1.233
		16QAM		1.080	1.231

- LTE Band 13

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B13	10M	QPSK	782.0	8.928	9.674
		16QAM		8.953	9.727
	5M	QPSK		4.507	4.911
		16QAM		4.497	4.972

- LTE Band 14

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B14	10M	QPSK	793.0	8.939	9.608
		16QAM		8.952	9.696
	5M	QPSK		4.512	4.946
		16QAM		4.485	4.970

- LTE Band 25

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B25	20M	QPSK	1882.5	17.884	19.21
		16QAM		17.908	19.30
	15M	QPSK		13.434	14.42
		16QAM		13.430	14.54
	10M	QPSK		8.955	9.692
		16QAM		8.950	9.733
	5M	QPSK		4.491	4.896
		16QAM		4.488	4.923
	3M	QPSK		2.694	2.984
		16QAM		2.687	2.996
	1.4M	QPSK		1.079	1.225
		16QAM		1.083	1.228

- LTE Band 26 (Part 90)

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B26	15M	QPSK	821.5	13.374	14.45
		16QAM		13.381	14.51
	10M	QPSK	819.0	8.965	9.748
		16QAM		8.959	9.730
	5M	QPSK	819.5	4.488	4.908
		16QAM		4.480	4.890
	3M	QPSK	820.5	2.693	2.977
		16QAM		2.690	2.987
	1.4M	QPSK	820.5	1.081	1.221
		16QAM		1.082	1.225

- LTE Band 26 (Straddle)

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B26	15M	QPSK	824.0	13.381	14.51
		16QAM		13.379	14.30
	10M	QPSK		8.962	9.658
		16QAM		8.934	9.652
	5M	QPSK		4.481	4.887
		16QAM		4.479	4.857
	3M	QPSK		2.697	2.975
		16QAM		2.684	2.935
	1.4M	QPSK		1.081	1.211
		16QAM		1.084	1.212

- LTE Band 26 (Part 22)

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B26	15M	QPSK	831.5	13.400	14.49
		16QAM		13.396	14.54
	10M	QPSK		8.962	9.784
		16QAM		8.947	9.695
	5M	QPSK		4.491	4.913
		16QAM		4.483	4.923
	3M	QPSK		2.692	2.975
		16QAM		2.692	2.974
	1.4M	QPSK		1.080	1.229
		16QAM		1.082	1.227

- LTE Band 41(PC2)

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B41(PC2)	20M	QPSK	2593.0	17.888	19.18
		16QAM		17.889	20.96
	15M	QPSK		13.433	14.54
		16QAM		13.413	15.35
	10M	QPSK		8.980	9.826
		16QAM		8.959	10.20
	5M	QPSK		4.498	5.207
		16QAM		4.476	4.907

- LTE Band 41C

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B41C Uplink CA	20+20	QPSK	2593.0	37.253	39.12
		16QAM		37.340	38.65

- LTE Band 66

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B66	20M	QPSK	1745.0	17.915	19.35
		16QAM		17.906	19.40
	15M	QPSK		13.413	14.64
		16QAM		13.427	14.56
	10M	QPSK		8.950	9.856
		16QAM		8.981	9.755
	5M	QPSK		4.494	4.918
		16QAM		4.483	4.913
	3M	QPSK		2.694	2.995
		16QAM		2.691	3.012
	1.4M	QPSK		1.093	1.233
		16QAM		1.080	1.234

- LTE Band 71

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
LTE B71	20M	QPSK	683.0	17.756	19.20
		16QAM		17.779	19.19
	15M	QPSK	680.5	13.399	14.50
		16QAM		13.375	14.52
	10M	QPSK	680.5	8.929	9.696
		16QAM		8.942	9.690
	5M	QPSK	680.5	4.489	4.886
		16QAM		4.477	4.912

- NR Band n5 CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n5	20M	QPSK	836.5	18.936	19.80
		16QAM		18.902	19.79
	15M	QPSK		14.100	14.94
		16QAM		14.119	14.80
	10M	QPSK		9.281	9.806
		16QAM		9.295	9.875
	5M	QPSK		4.470	4.911
		16QAM		4.474	4.960

- NR Band n25 CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n25	20M	QPSK	1882.5	18.942	19.90
		16QAM		18.920	19.83
	15M	QPSK		14.116	14.77
		16QAM		14.159	14.99
	10M	QPSK		9.292	9.911
		16QAM		9.294	9.905
	5M	QPSK		4.471	4.940
		16QAM		4.469	4.920

- NR Band n41(PC2) CP-OFDM

Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n41	100M	QPSK	2593.0	97.041	100.7
		16QAM		96.812	100.0
	90M	QPSK		86.757	89.66
		16QAM		86.840	91.41
	80M	QPSK		76.900	79.43
		16QAM		76.909	79.30
	60M	QPSK		57.243	59.18
		16QAM		57.357	58.92
	50M	QPSK		47.084	48.67
		16QAM		47.216	54.24
	40M	QPSK		37.600	38.86
		16QAM		37.516	39.89
	30M	QPSK		27.842	28.96
		16QAM		27.883	28.95
	20M	QPSK		18.254	19.31
		16QAM		18.258	20.30

- NR Band n66 CP-OFDM

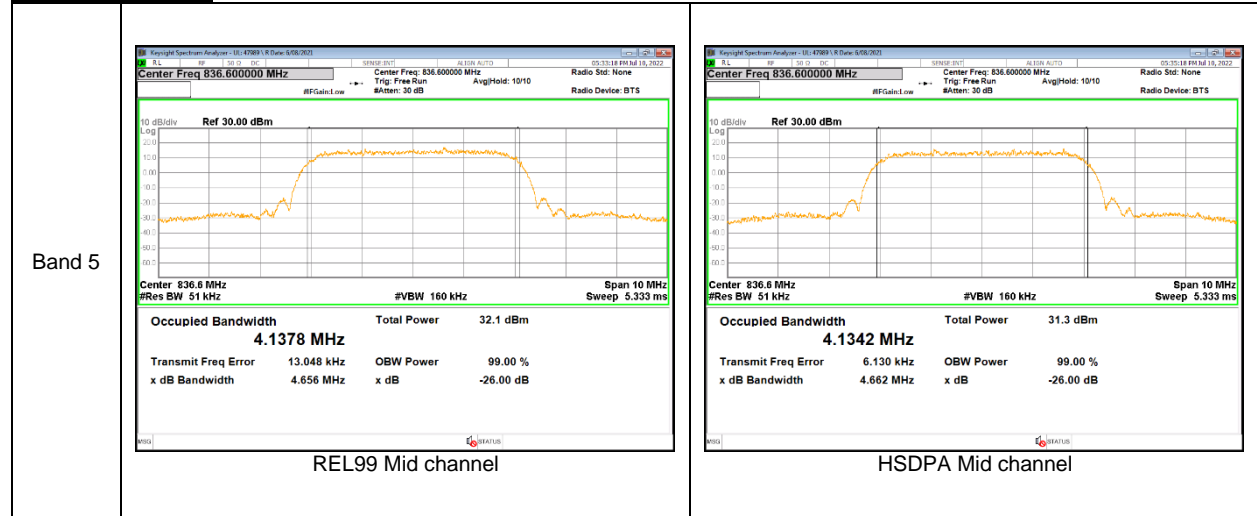
Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n66	20M	QPSK	1745.0	18.937	19.79
		16QAM		18.976	19.73
	15M	QPSK		14.104	14.78
		16QAM		14.129	14.77
	10M	QPSK		9.301	9.934
		16QAM		9.312	9.887
	5M	QPSK		4.475	4.898
		16QAM		4.477	4.900

- NR Band n71 CP-OFDM

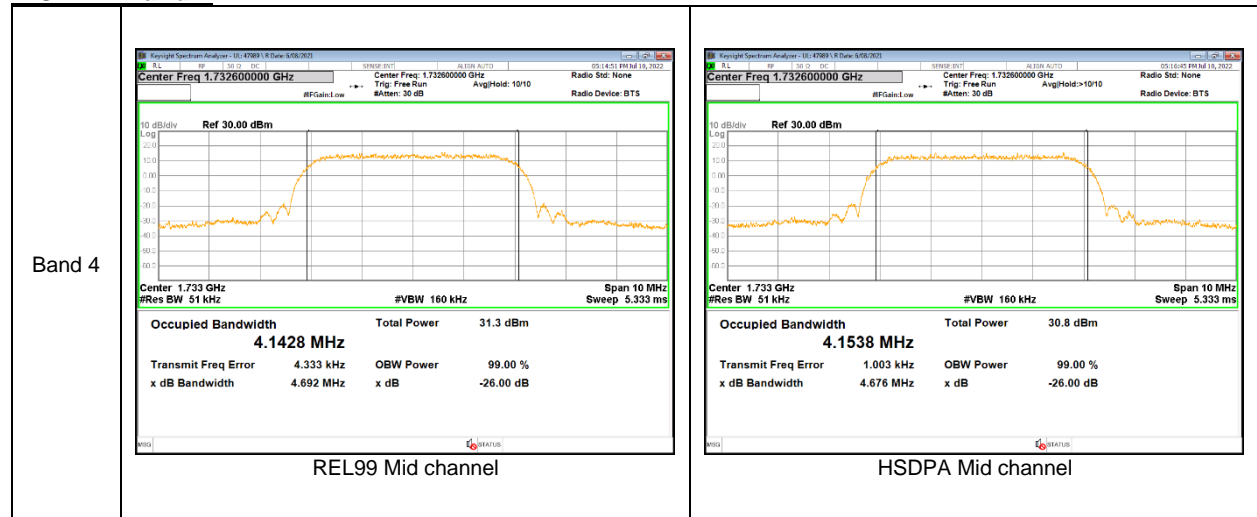
Band	BW	Modulation	f [MHz]	99% BW (MHz)	-26dB BW (MHz)
NR n71	20M	QPSK	680.5	18.942	19.80
		16QAM		18.907	19.81
	15M	QPSK		14.071	14.84
		16QAM		14.080	14.76
	10M	QPSK		9.266	9.868
		16QAM		9.270	9.841
	5M	QPSK		4.466	4.930
		16QAM		4.476	4.922

9.1.1. OCCUPIED BANDWIDTH RESULTS

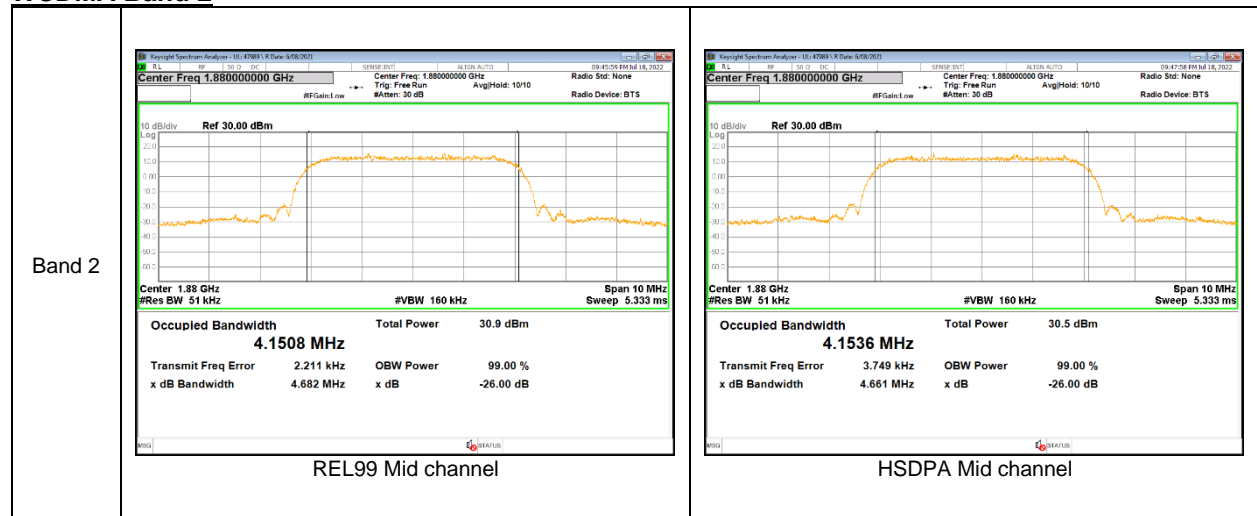
WCDMA Band 5



WCDMA Band 4



WCDMA Band 2



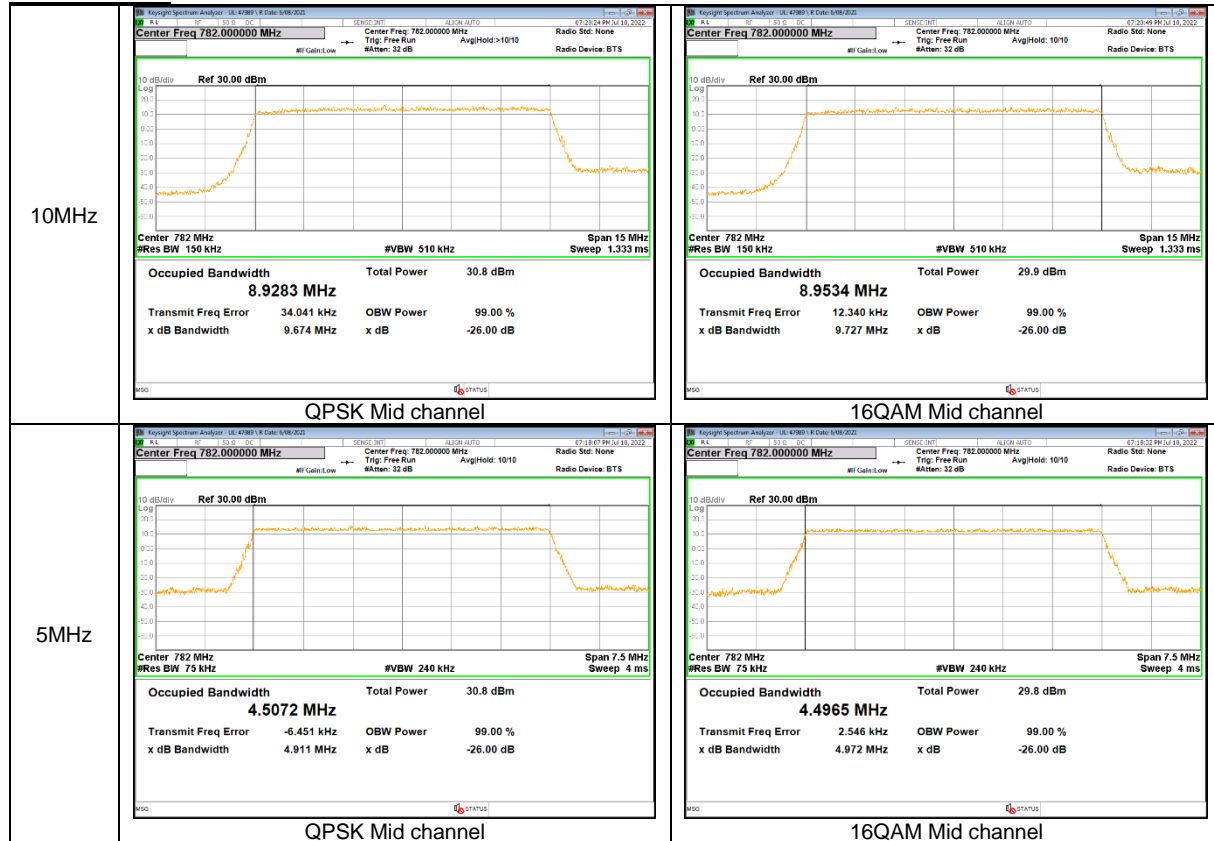
LTE Band 7



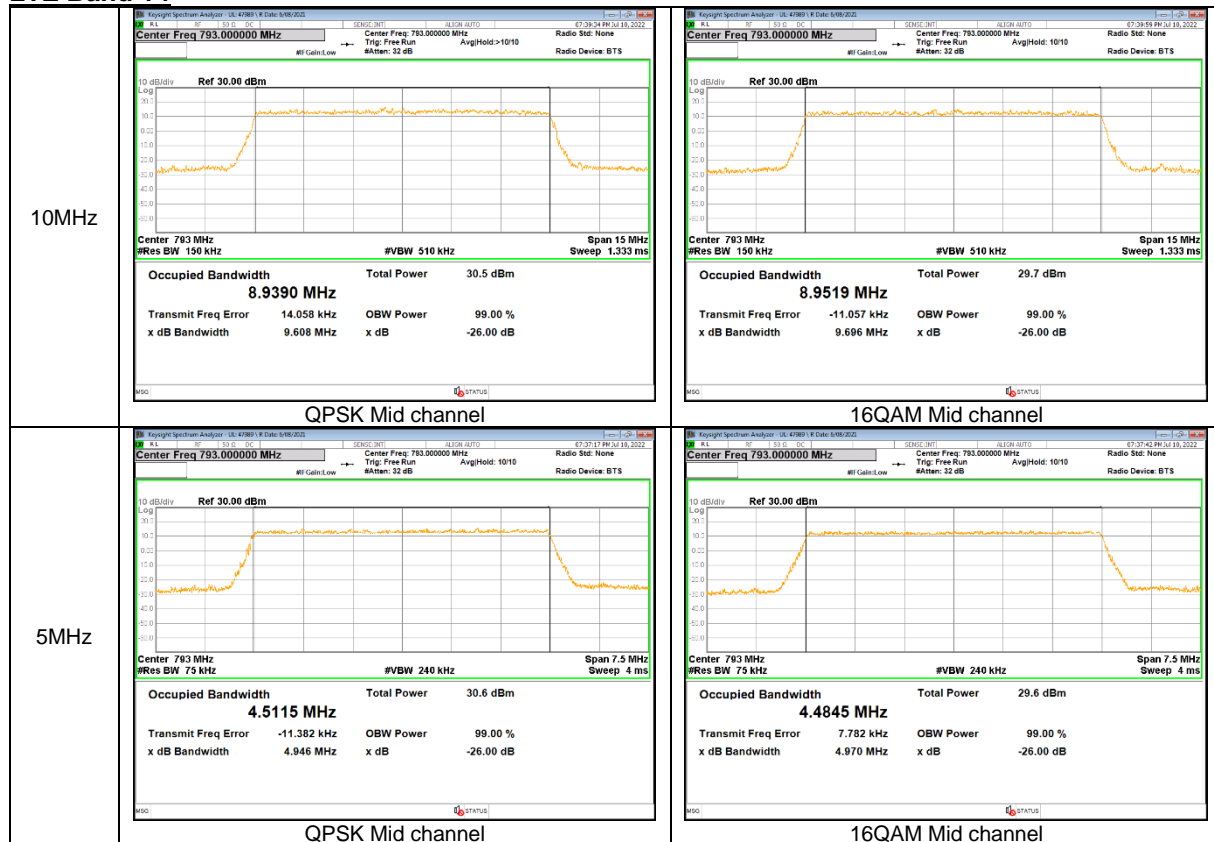
LTE Band 12



LTE Band 13

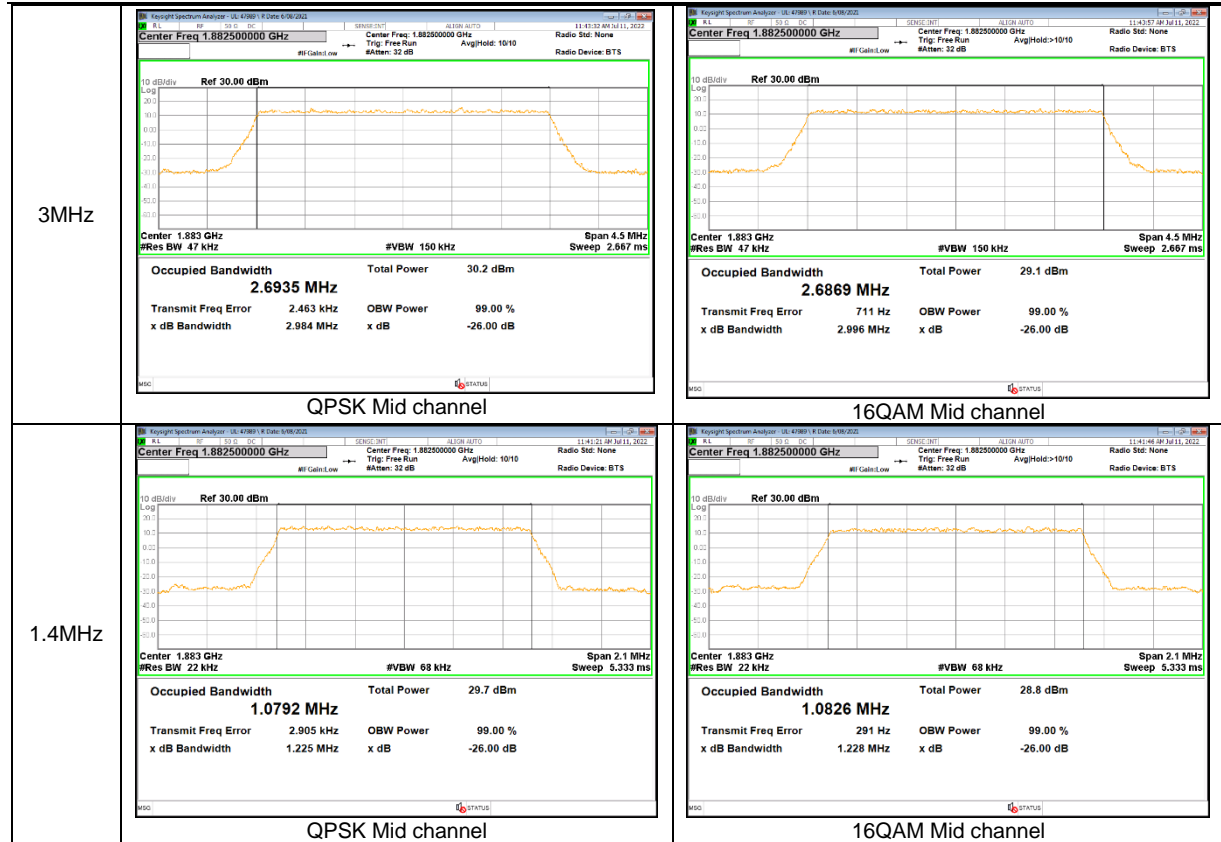


LTE Band 14



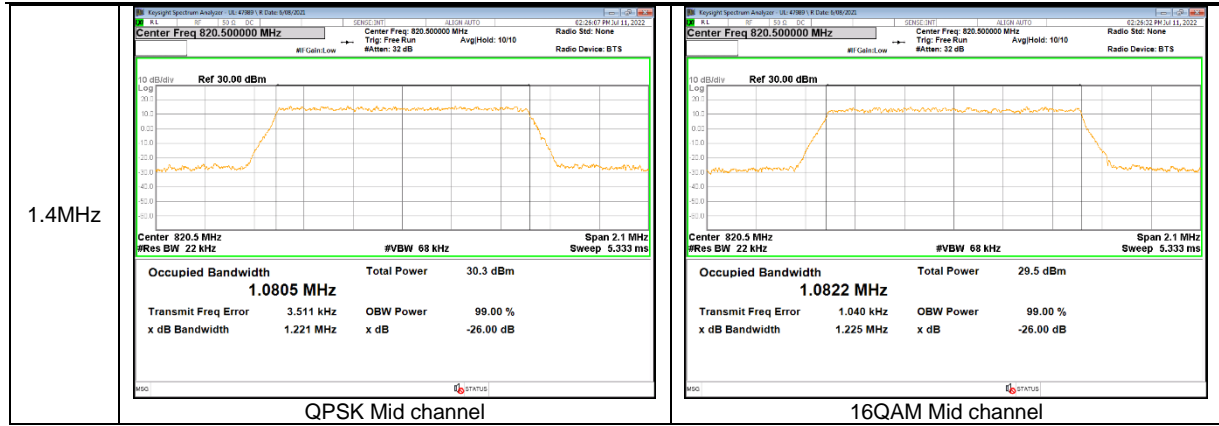
LTE Band 25



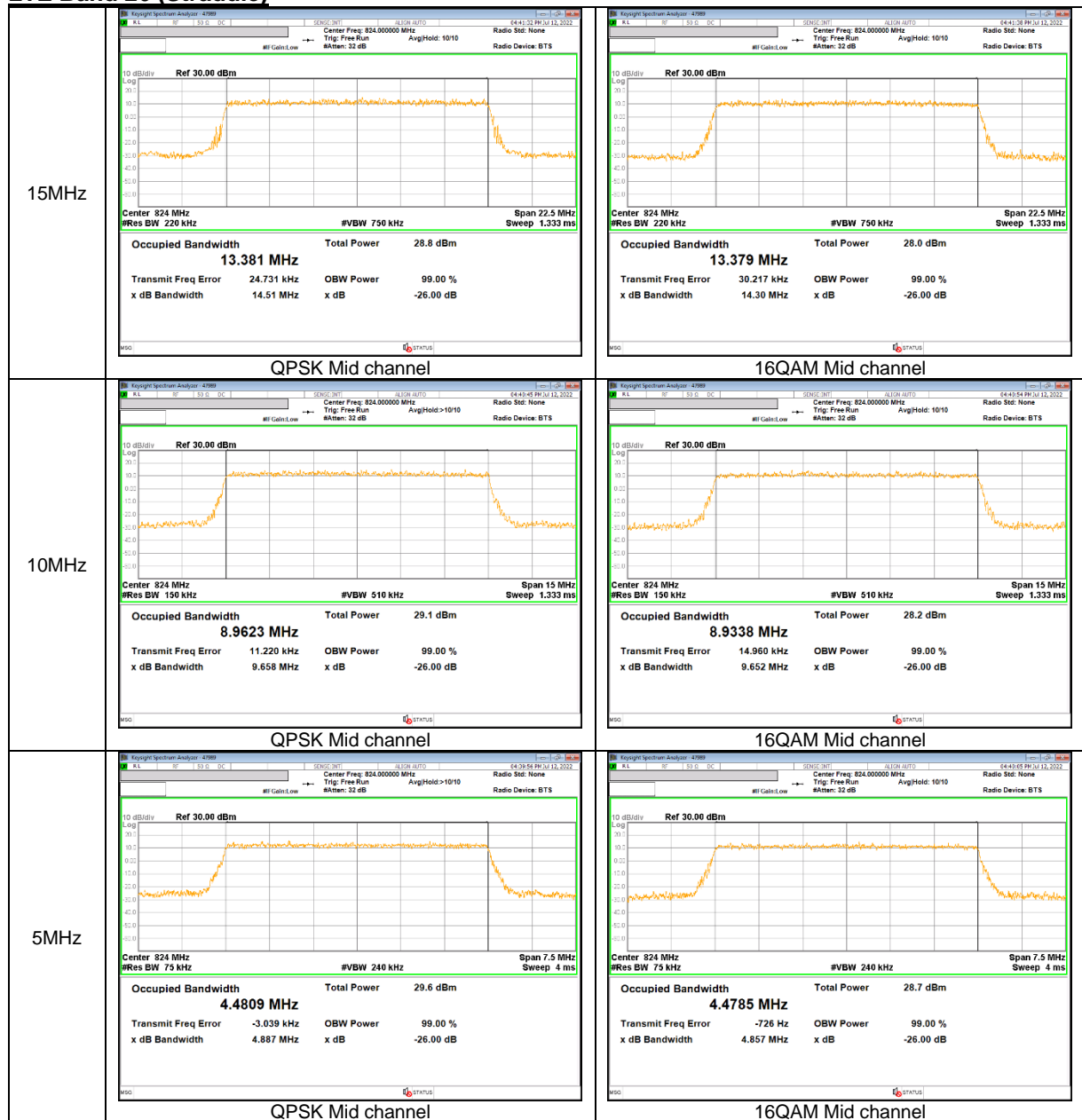


LTE Band 26 (Part 90)





LTE Band 26 (Straddle)





LTE Band 26 (Part 22)

