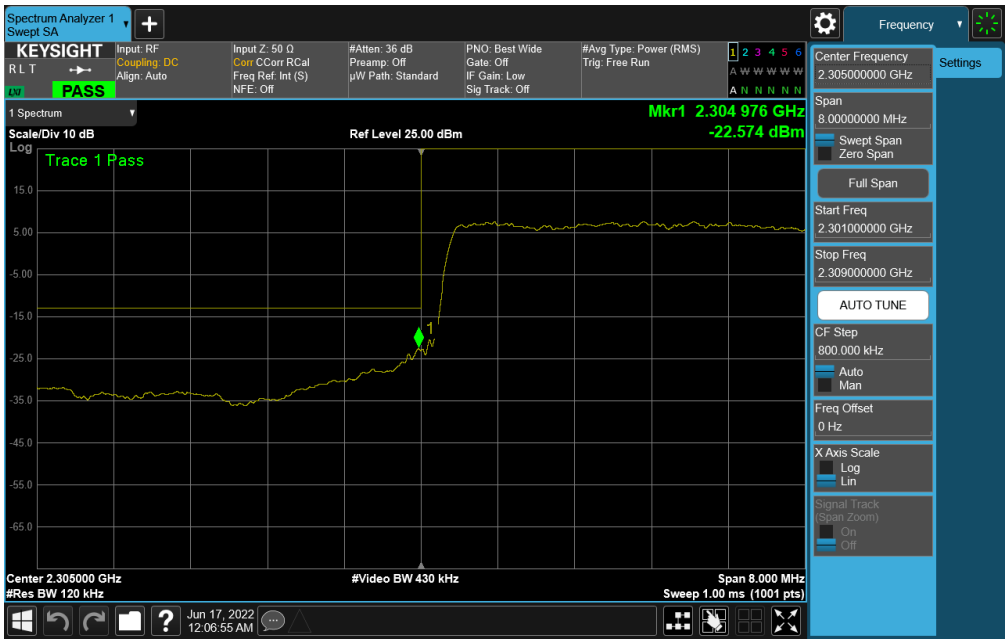
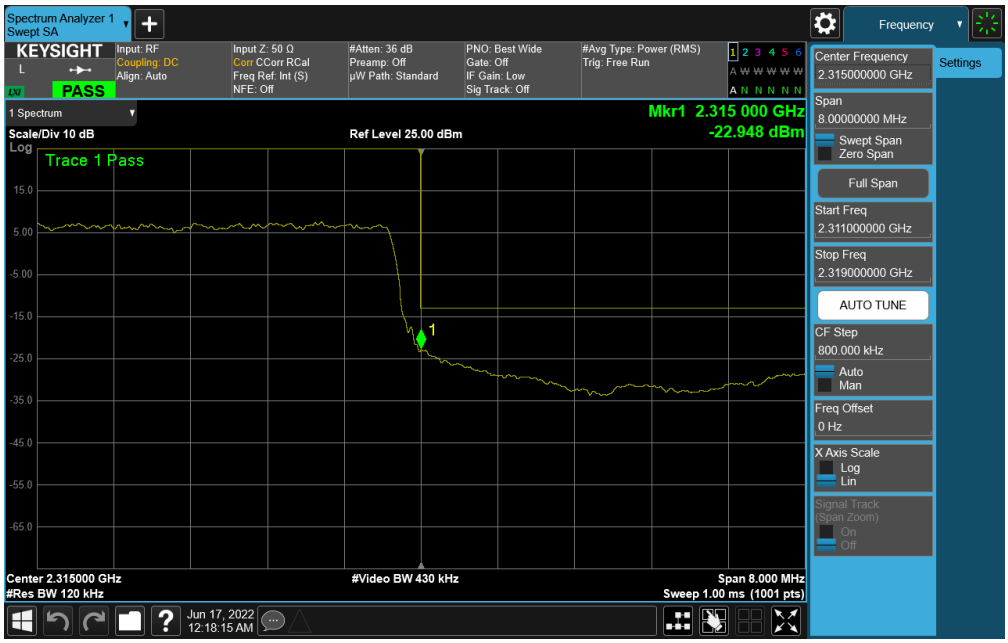
Plot 7-245. Upper Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM QPSK – Full RB)

Plot 7-246. Extended Upper Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)



Plot 7-247. Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)

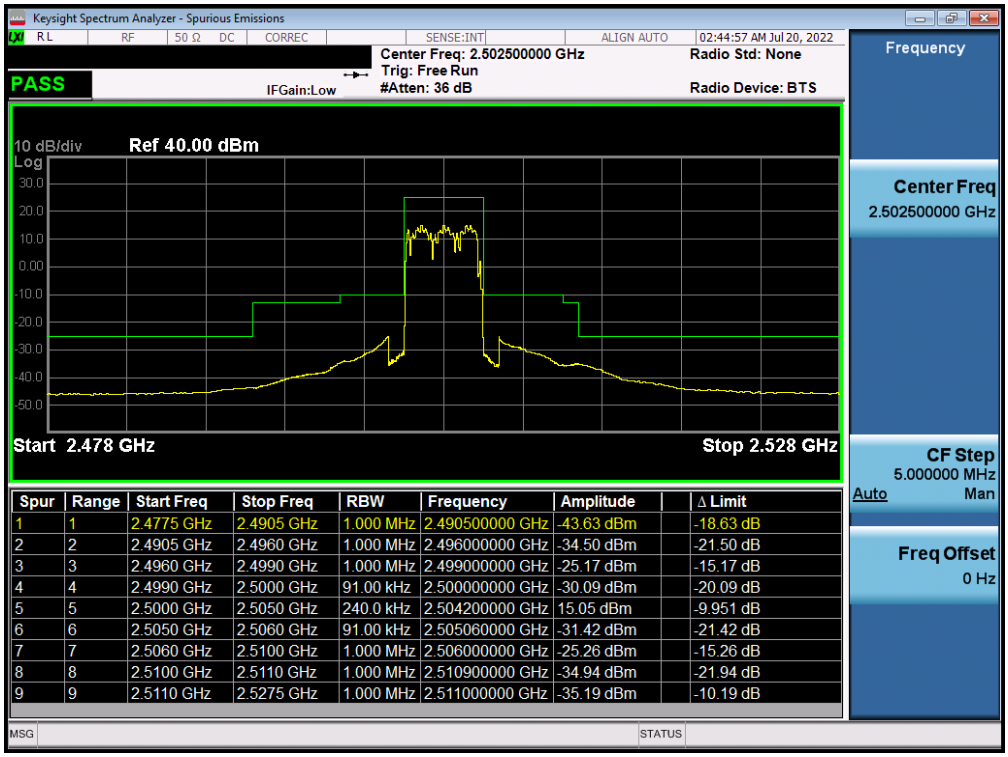
Plot 7-248. Extended Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)



Plot 7-249. Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)

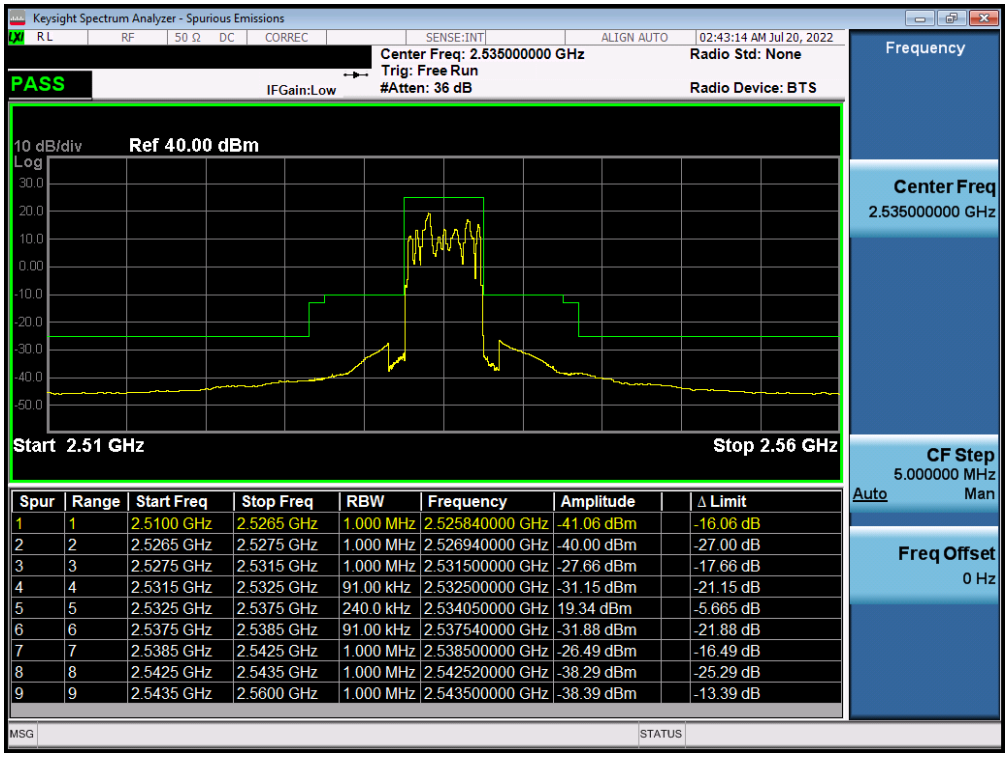
Plot 7-250. Extended Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM QPSK – Full RB)

NR Band n7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4775 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-43.63 dBm	-18.63 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.496000000 GHz	-34.50 dBm	-21.50 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.499000000 GHz	-25.17 dBm	-15.17 dB
4	4	2.4990 GHz	2.5000 GHz	91.00 kHz	2.500000000 GHz	-30.09 dBm	-20.09 dB
5	5	2.5000 GHz	2.5050 GHz	240.0 kHz	2.504200000 GHz	15.05 dBm	-9.951 dB
6	6	2.5050 GHz	2.5060 GHz	91.00 kHz	2.505060000 GHz	-31.42 dBm	-21.42 dB
7	7	2.5060 GHz	2.5100 GHz	1.000 MHz	2.506000000 GHz	-25.26 dBm	-15.26 dB
8	8	2.5100 GHz	2.5110 GHz	1.000 MHz	2.510900000 GHz	-34.94 dBm	-21.94 dB
9	9	2.5110 GHz	2.5275 GHz	1.000 MHz	2.511000000 GHz	-35.19 dBm	-10.19 dB

Plot 7-251. Lower Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)

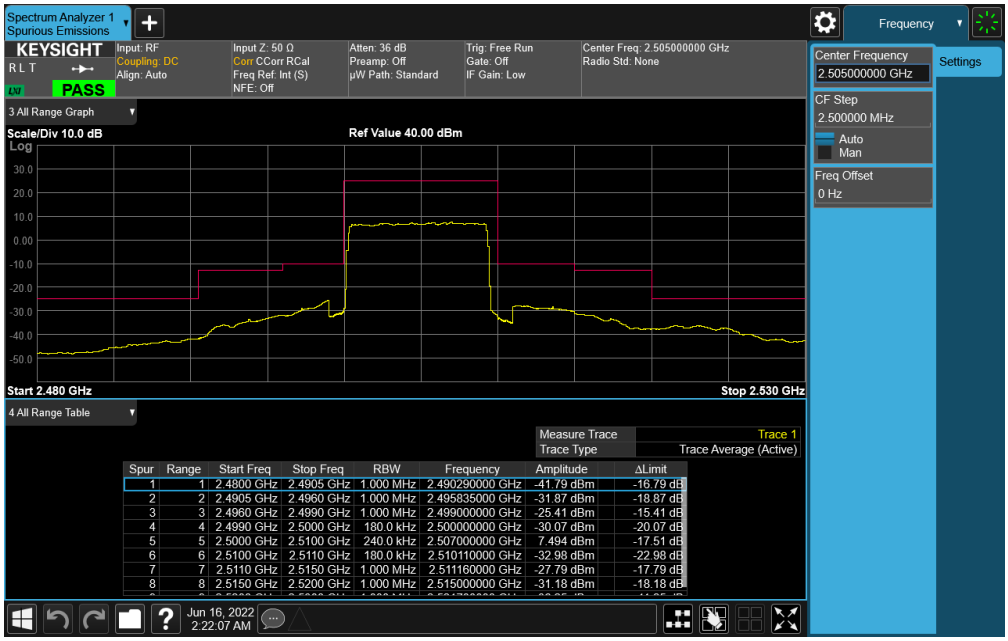


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5100 GHz	2.5265 GHz	1.000 MHz	2.525840000 GHz	-41.06 dBm	-16.06 dB
2	2	2.5265 GHz	2.5275 GHz	1.000 MHz	2.526940000 GHz	-40.00 dBm	-27.00 dB
3	3	2.5275 GHz	2.5315 GHz	1.000 MHz	2.531500000 GHz	-27.66 dBm	-17.66 dB
4	4	2.5315 GHz	2.5325 GHz	91.00 kHz	2.532500000 GHz	-31.15 dBm	-21.15 dB
5	5	2.5325 GHz	2.5375 GHz	240.0 kHz	2.534050000 GHz	19.34 dBm	-5.665 dB
6	6	2.5375 GHz	2.5385 GHz	91.00 kHz	2.537540000 GHz	-31.88 dBm	-21.88 dB
7	7	2.5385 GHz	2.5425 GHz	1.000 MHz	2.538500000 GHz	-26.49 dBm	-16.49 dB
8	8	2.5425 GHz	2.5435 GHz	1.000 MHz	2.542520000 GHz	-38.29 dBm	-25.29 dB
9	9	2.5435 GHz	2.5600 GHz	1.000 MHz	2.543500000 GHz	-38.39 dBm	-13.39 dB

Plot 7-252. Middle Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)

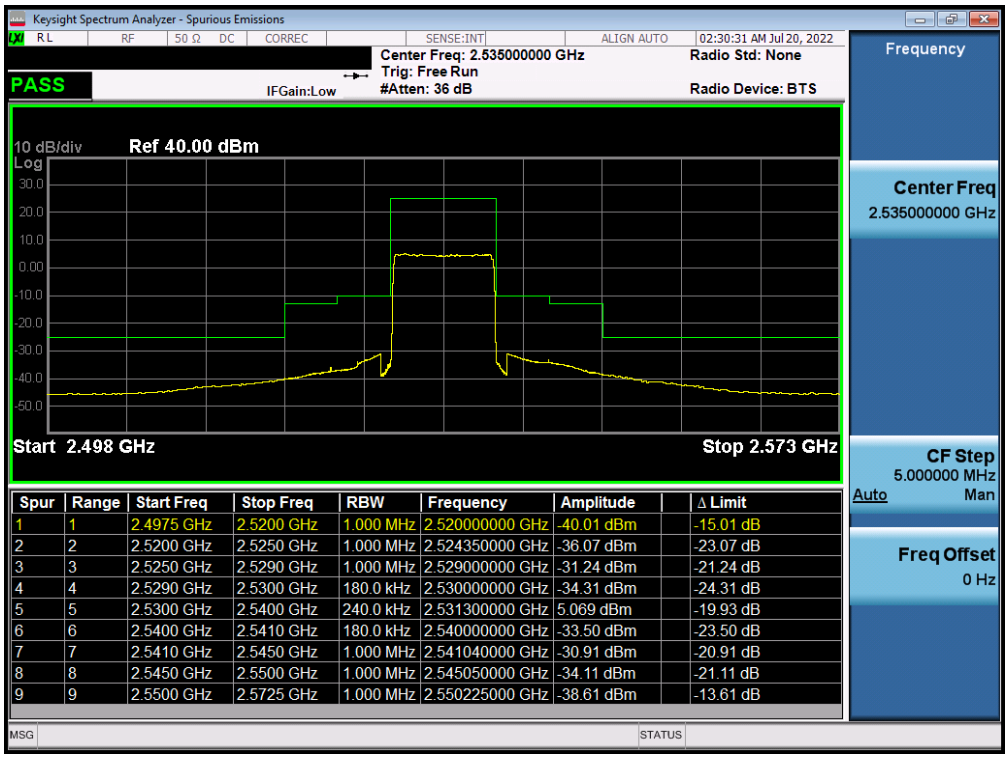
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5425 GHz	2.5590 GHz	1.000 MHz	2.559000000 GHz	-40.40 dBm	-15.40 dB
2	2	2.5590 GHz	2.5600 GHz	1.000 MHz	2.559990000 GHz	-39.00 dBm	-26.00 dB
3	3	2.5600 GHz	2.5640 GHz	1.000 MHz	2.564000000 GHz	-30.43 dBm	-20.43 dB
4	4	2.5640 GHz	2.5650 GHz	91.00 kHz	2.564990000 GHz	-33.04 dBm	-23.04 dB
5	5	2.5650 GHz	2.5700 GHz	240.0 kHz	2.567450000 GHz	15.41 dBm	-9.594 dB
6	6	2.5700 GHz	2.5710 GHz	91.00 kHz	2.570010000 GHz	-32.31 dBm	-22.31 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571000000 GHz	-30.53 dBm	-20.53 dB
8	8	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575090000 GHz	-36.93 dBm	-23.93 dB
9	9	2.5760 GHz	2.5925 GHz	1.000 MHz	2.576000000 GHz	-38.82 dBm	-13.82 dB

Plot 7-253. Upper Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)



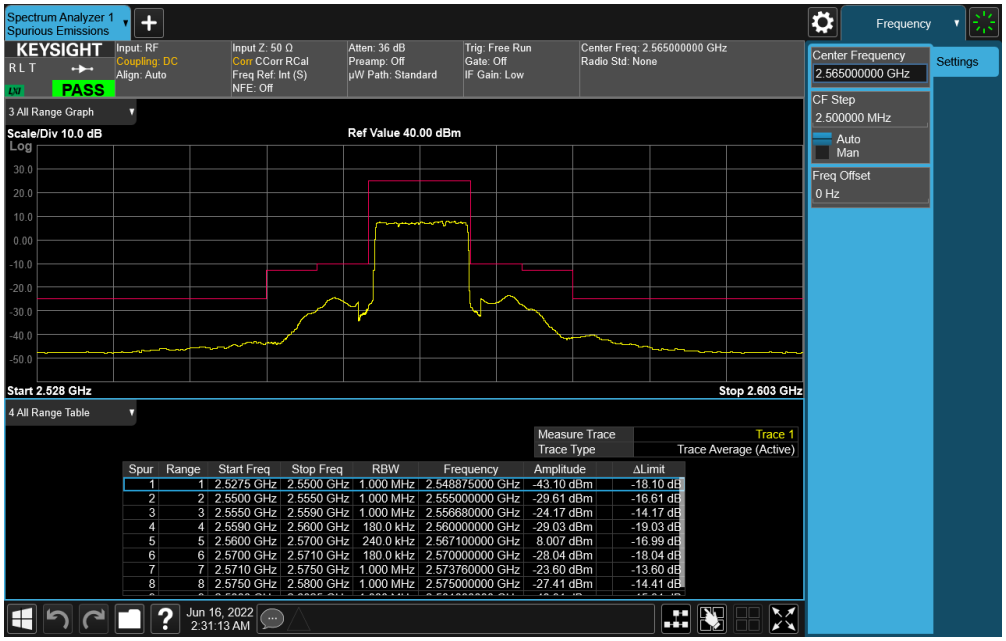
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4800 GHz	2.4905 GHz	1.000 MHz	2.490290000 GHz	-41.79 dBm	-16.79 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495835000 GHz	-31.87 dBm	-18.87 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.499000000 GHz	-25.41 dBm	-15.41 dB
4	4	2.4990 GHz	2.5000 GHz	180.0 kHz	2.500000000 GHz	-30.07 dBm	-20.07 dB
5	5	2.5000 GHz	2.5100 GHz	240.0 kHz	2.507000000 GHz	7.494 dBm	-17.51 dB
6	6	2.5100 GHz	2.5110 GHz	180.0 kHz	2.510110000 GHz	-32.98 dBm	-22.98 dB
7	7	2.5110 GHz	2.5150 GHz	1.000 MHz	2.511160000 GHz	-27.79 dBm	-17.79 dB
8	8	2.5150 GHz	2.5200 GHz	1.000 MHz	2.515000000 GHz	-31.18 dBm	-18.18 dB

Plot 7-254. Lower Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)



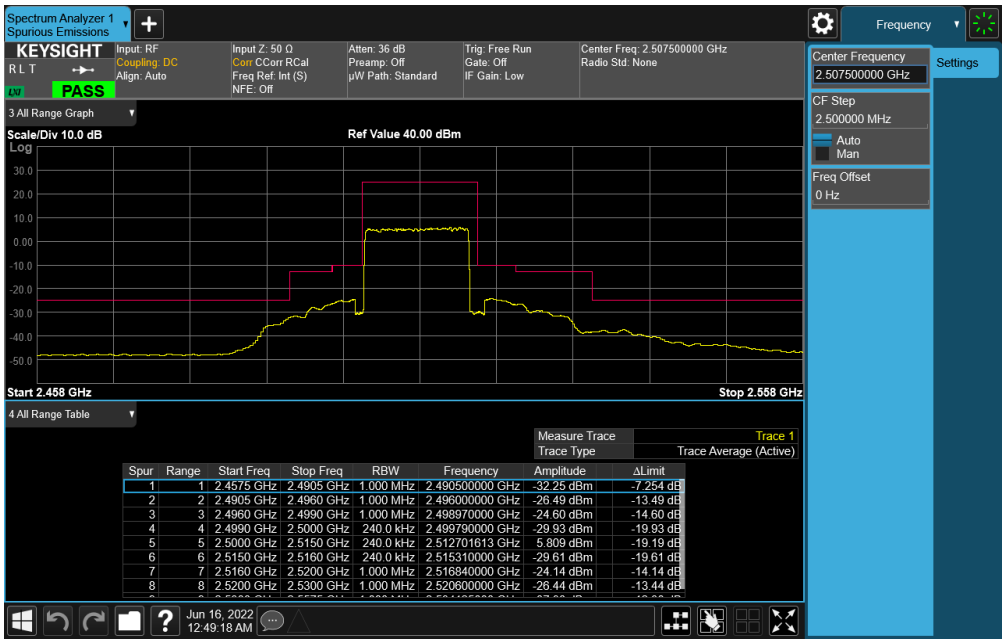
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4975 GHz	2.5200 GHz	1.000 MHz	2.520000000 GHz	-40.01 dBm	-15.01 dB
2	2	2.5200 GHz	2.5250 GHz	1.000 MHz	2.524350000 GHz	-36.07 dBm	-23.07 dB
3	3	2.5250 GHz	2.5290 GHz	1.000 MHz	2.529000000 GHz	-31.24 dBm	-21.24 dB
4	4	2.5290 GHz	2.5300 GHz	180.0 kHz	2.530000000 GHz	-34.31 dBm	-24.31 dB
5	5	2.5300 GHz	2.5400 GHz	240.0 kHz	2.531300000 GHz	5.069 dBm	-19.93 dB
6	6	2.5400 GHz	2.5410 GHz	180.0 kHz	2.540000000 GHz	-33.50 dBm	-23.50 dB
7	7	2.5410 GHz	2.5450 GHz	1.000 MHz	2.541040000 GHz	-30.91 dBm	-20.91 dB
8	8	2.5450 GHz	2.5500 GHz	1.000 MHz	2.545050000 GHz	-34.11 dBm	-21.11 dB
9	9	2.5500 GHz	2.5725 GHz	1.000 MHz	2.550225000 GHz	-38.61 dBm	-13.61 dB

Plot 7-255. Middle Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)



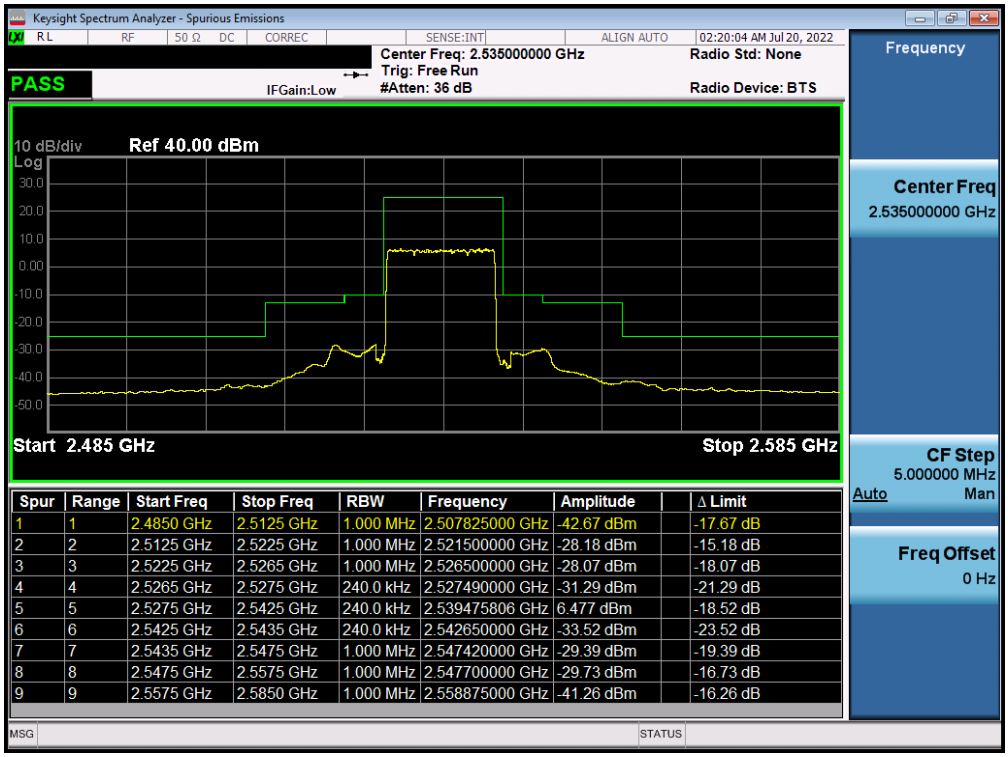
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5275 GHz	2.5500 GHz	1.000 MHz	2.548875000 GHz	-43.10 dBm	-18.10 dB
2	2	2.5500 GHz	2.5550 GHz	1.000 MHz	2.555000000 GHz	-29.61 dBm	-16.61 dB
3	3	2.5550 GHz	2.5590 GHz	1.000 MHz	2.556680000 GHz	-24.17 dBm	-14.17 dB
4	4	2.5590 GHz	2.5600 GHz	180.0 kHz	2.560000000 GHz	-29.03 dBm	-19.03 dB
5	5	2.5600 GHz	2.5700 GHz	240.0 kHz	2.567100000 GHz	8.007 dBm	-16.99 dB
6	6	2.5700 GHz	2.5710 GHz	180.0 kHz	2.570000000 GHz	-28.04 dBm	-18.04 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.573760000 GHz	-23.60 dBm	-13.60 dB
8	8	2.5750 GHz	2.5800 GHz	1.000 MHz	2.575000000 GHz	-27.41 dBm	-14.41 dB

Plot 7-256. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM QPSK – Full RB)



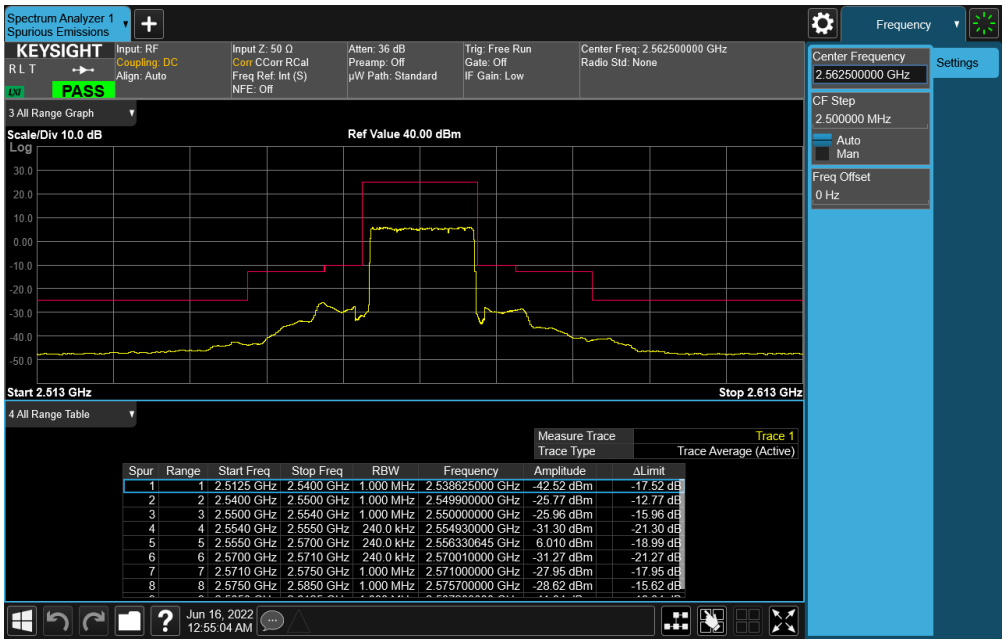
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4575 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-32.25 dBm	-7.254 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.496000000 GHz	-26.49 dBm	-13.49 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498970000 GHz	-24.60 dBm	-14.60 dB
4	4	2.4990 GHz	2.5000 GHz	240.0 kHz	2.499790000 GHz	-29.93 dBm	-19.93 dB
5	5	2.5000 GHz	2.5150 GHz	240.0 kHz	2.512701613 GHz	5.809 dBm	-19.19 dB
6	6	2.5150 GHz	2.5160 GHz	240.0 kHz	2.515310000 GHz	-29.61 dBm	-19.61 dB
7	7	2.5160 GHz	2.5200 GHz	1.000 MHz	2.516840000 GHz	-24.14 dBm	-14.14 dB
8	8	2.5200 GHz	2.5300 GHz	1.000 MHz	2.520600000 GHz	-26.44 dBm	-13.44 dB

Plot 7-257. Lower Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK – Full RB)

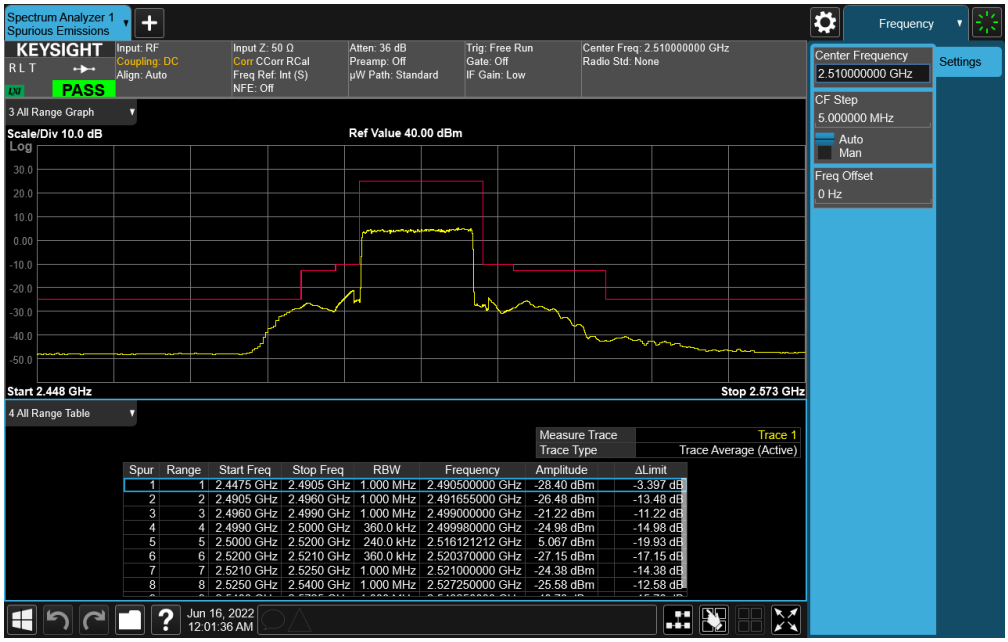


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.5125 GHz	1.000 MHz	2.507825000 GHz	-42.67 dBm	-17.67 dB
2	2	2.5125 GHz	2.5225 GHz	1.000 MHz	2.521500000 GHz	-28.18 dBm	-15.18 dB
3	3	2.5225 GHz	2.5265 GHz	1.000 MHz	2.526500000 GHz	-28.07 dBm	-18.07 dB
4	4	2.5265 GHz	2.5275 GHz	240.0 kHz	2.527490000 GHz	-31.29 dBm	-21.29 dB
5	5	2.5275 GHz	2.5425 GHz	240.0 kHz	2.539475806 GHz	6.477 dBm	-18.52 dB
6	6	2.5425 GHz	2.5435 GHz	240.0 kHz	2.542650000 GHz	-33.52 dBm	-23.52 dB
7	7	2.5435 GHz	2.5475 GHz	1.000 MHz	2.547420000 GHz	-29.39 dBm	-19.39 dB
8	8	2.5475 GHz	2.5575 GHz	1.000 MHz	2.547700000 GHz	-29.73 dBm	-16.73 dB
9	9	2.5575 GHz	2.5850 GHz	1.000 MHz	2.558875000 GHz	-41.26 dBm	-16.26 dB

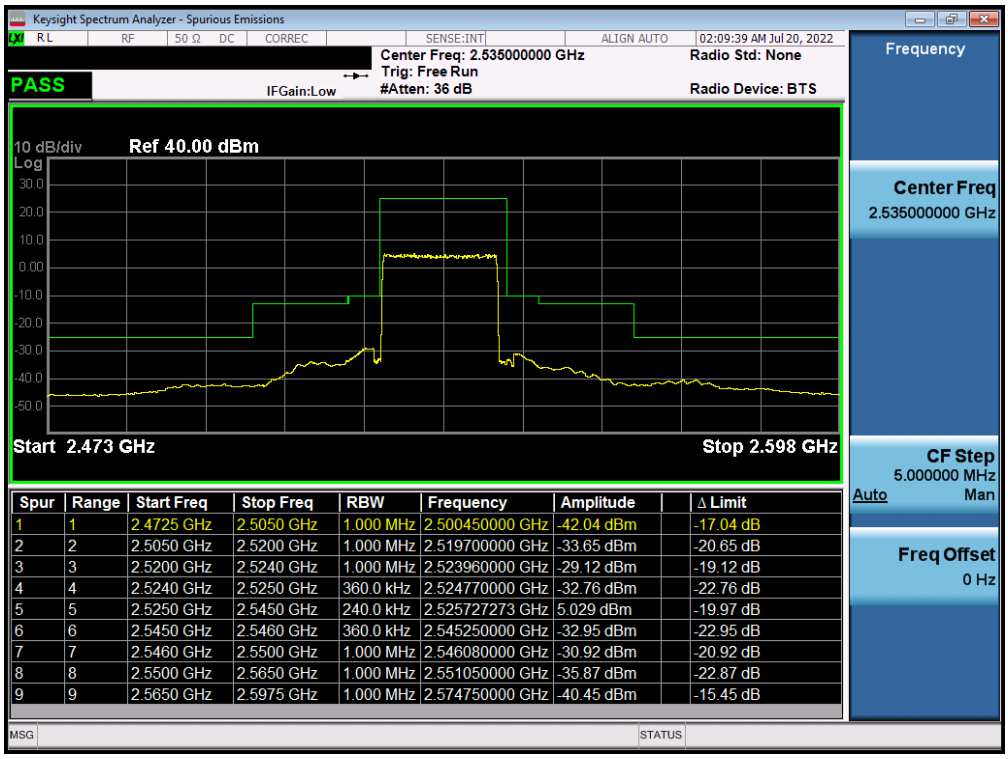
Plot 7-258. Middle Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK – Full RB)



Plot 7-259. Upper Band Edge Plot (NR Band n7 - 15MHz DFT-s-OFDM π/2 BPSK – Full RB)

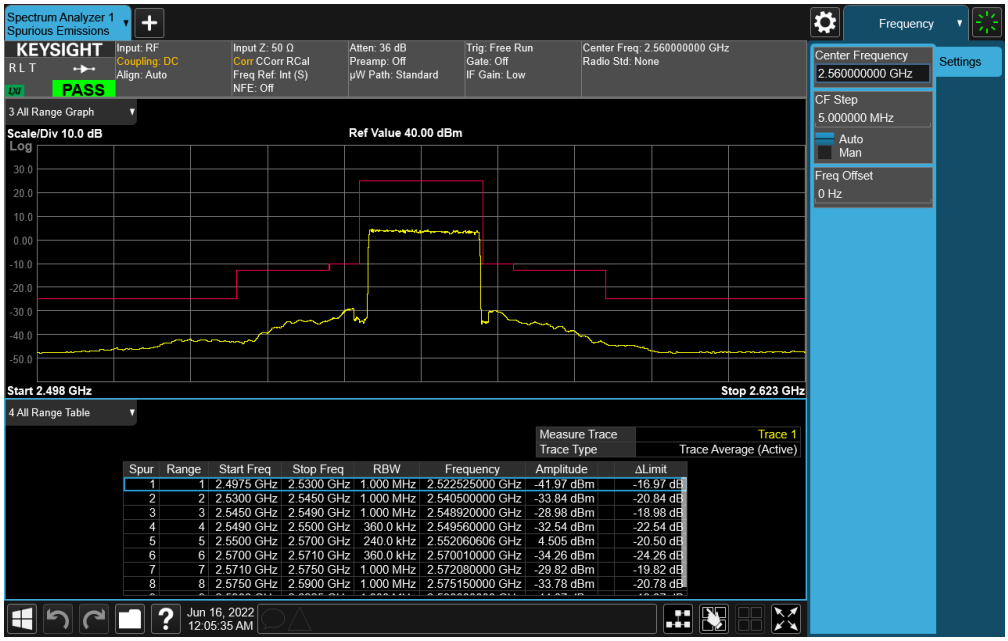


Plot 7-260. Lower Band Edge Plot (NR Band n7 - 20MHz CP-OFDM QPSK – Full RB)



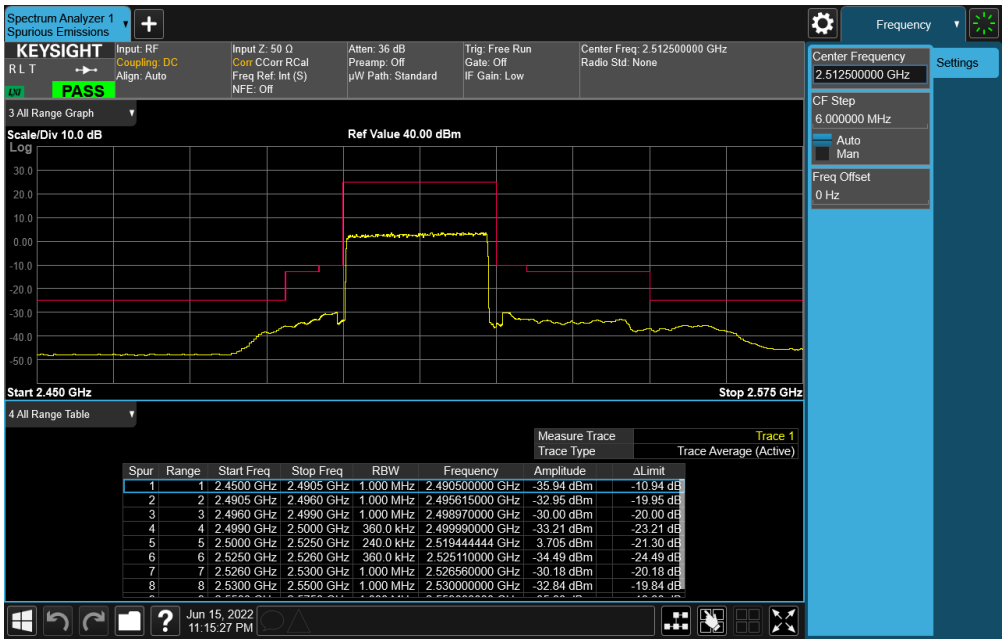
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4725 GHz	2.5050 GHz	1.000 MHz	2.500450000 GHz	-42.04 dBm	-17.04 dB
2	2	2.5050 GHz	2.5200 GHz	1.000 MHz	2.519700000 GHz	-33.65 dBm	-20.65 dB
3	3	2.5200 GHz	2.5240 GHz	1.000 MHz	2.523960000 GHz	-29.12 dBm	-19.12 dB
4	4	2.5240 GHz	2.5250 GHz	360.0 kHz	2.524770000 GHz	-32.76 dBm	-22.76 dB
5	5	2.5250 GHz	2.5450 GHz	240.0 kHz	2.525727273 GHz	5.029 dBm	-19.97 dB
6	6	2.5450 GHz	2.5460 GHz	360.0 kHz	2.545250000 GHz	-32.95 dBm	-22.95 dB
7	7	2.5460 GHz	2.5500 GHz	1.000 MHz	2.546080000 GHz	-30.92 dBm	-20.92 dB
8	8	2.5500 GHz	2.5650 GHz	1.000 MHz	2.551050000 GHz	-35.87 dBm	-22.87 dB
9	9	2.5650 GHz	2.5975 GHz	1.000 MHz	2.574750000 GHz	-40.45 dBm	-15.45 dB

Plot 7-261. Middle Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM π/2 BPSK – Full RB)



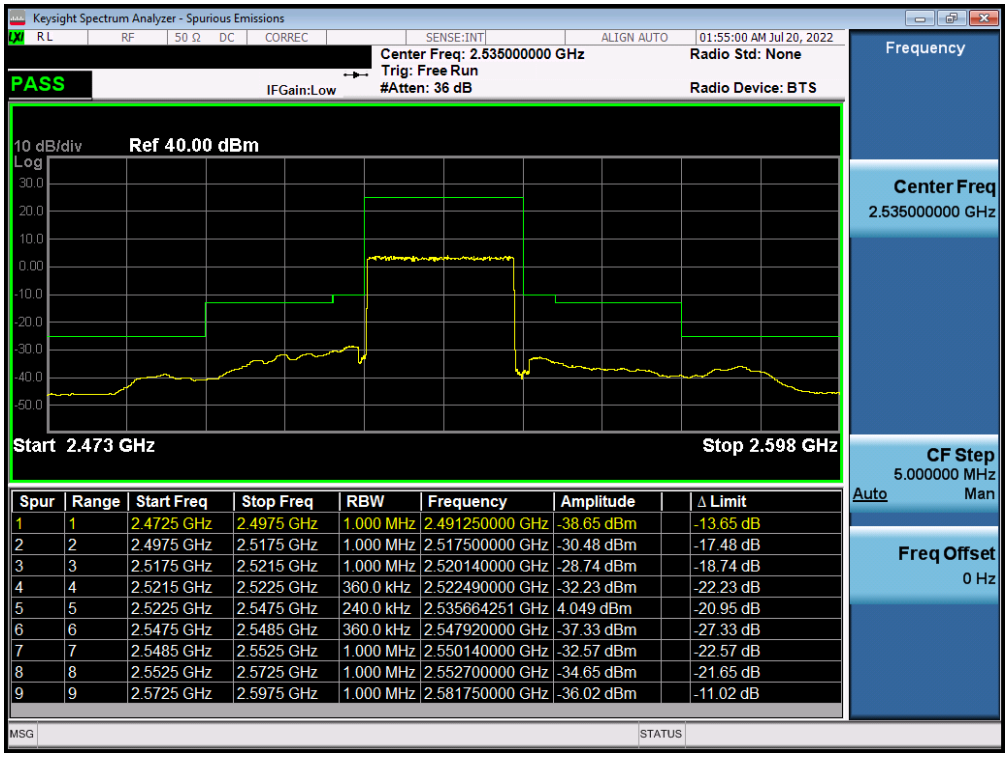
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4975 GHz	2.5300 GHz	1.000 MHz	2.522525000 GHz	-41.97 dBm	-16.97 dB
2	2	2.5300 GHz	2.5450 GHz	1.000 MHz	2.540500000 GHz	-33.84 dBm	-20.84 dB
3	3	2.5450 GHz	2.5490 GHz	1.000 MHz	2.548920000 GHz	-28.98 dBm	-18.98 dB
4	4	2.5490 GHz	2.5500 GHz	360.0 kHz	2.549560000 GHz	-32.54 dBm	-22.54 dB
5	5	2.5500 GHz	2.5700 GHz	240.0 kHz	2.552060606 GHz	4.505 dBm	-20.50 dB
6	6	2.5700 GHz	2.5710 GHz	360.0 kHz	2.570010000 GHz	-34.26 dBm	-24.26 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.572080000 GHz	-29.82 dBm	-19.82 dB
8	8	2.5750 GHz	2.5900 GHz	1.000 MHz	2.575150000 GHz	-33.78 dBm	-20.78 dB

Plot 7-262. Upper Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM π/2 BPSK – Full RB)



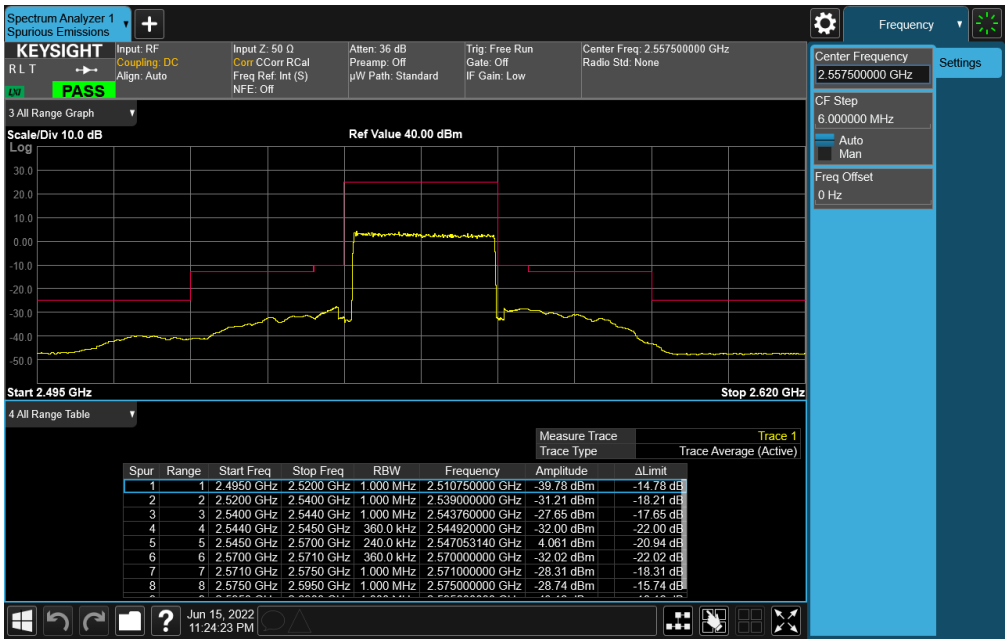
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4500 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-35.94 dBm	-10.94 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495615000 GHz	-32.95 dBm	-19.95 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498970000 GHz	-30.00 dBm	-20.00 dB
4	4	2.4990 GHz	2.5000 GHz	360.0 kHz	2.499990000 GHz	-33.21 dBm	-23.21 dB
5	5	2.5000 GHz	2.5250 GHz	240.0 kHz	2.519444444 GHz	3.705 dBm	-21.30 dB
6	6	2.5250 GHz	2.5260 GHz	360.0 kHz	2.525110000 GHz	-34.49 dBm	-24.49 dB
7	7	2.5260 GHz	2.5300 GHz	1.000 MHz	2.526560000 GHz	-30.18 dBm	-20.18 dB
8	8	2.5300 GHz	2.5500 GHz	1.000 MHz	2.530000000 GHz	-32.84 dBm	-19.84 dB

Plot 7-263. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM π/2 BPSK – Full RB)

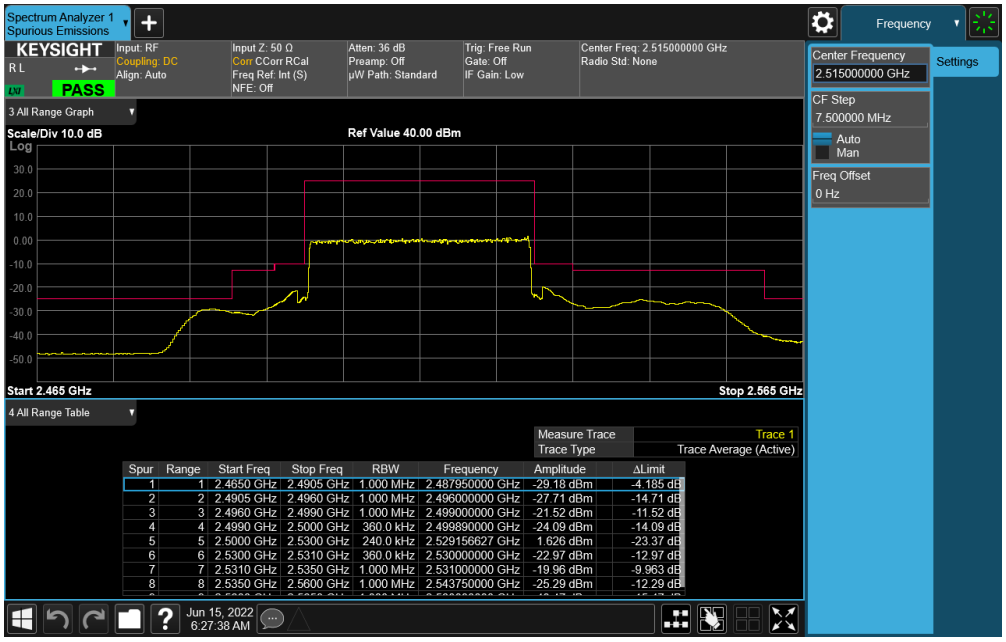


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4725 GHz	2.4975 GHz	1.000 MHz	2.491250000 GHz	-38.65 dBm	-13.65 dB
2	2	2.4975 GHz	2.5175 GHz	1.000 MHz	2.517500000 GHz	-30.48 dBm	-17.48 dB
3	3	2.5175 GHz	2.5215 GHz	1.000 MHz	2.520140000 GHz	-28.74 dBm	-18.74 dB
4	4	2.5215 GHz	2.5225 GHz	360.0 kHz	2.522490000 GHz	-32.23 dBm	-22.23 dB
5	5	2.5225 GHz	2.5475 GHz	240.0 kHz	2.535664251 GHz	4.049 dBm	-20.95 dB
6	6	2.5475 GHz	2.5485 GHz	360.0 kHz	2.547920000 GHz	-37.33 dBm	-27.33 dB
7	7	2.5485 GHz	2.5525 GHz	1.000 MHz	2.550140000 GHz	-32.57 dBm	-22.57 dB
8	8	2.5525 GHz	2.5725 GHz	1.000 MHz	2.552700000 GHz	-34.65 dBm	-21.65 dB
9	9	2.5725 GHz	2.5975 GHz	1.000 MHz	2.581750000 GHz	-36.02 dBm	-11.02 dB

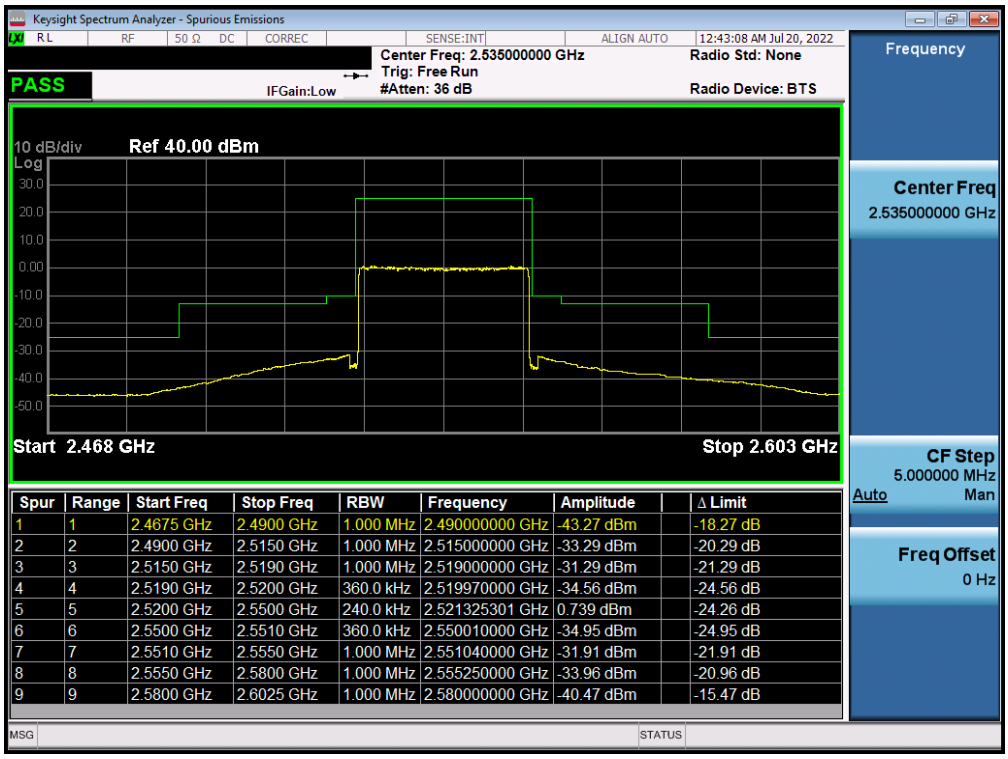
Plot 7-264. Middle Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM π/2 BPSK – Full RB)



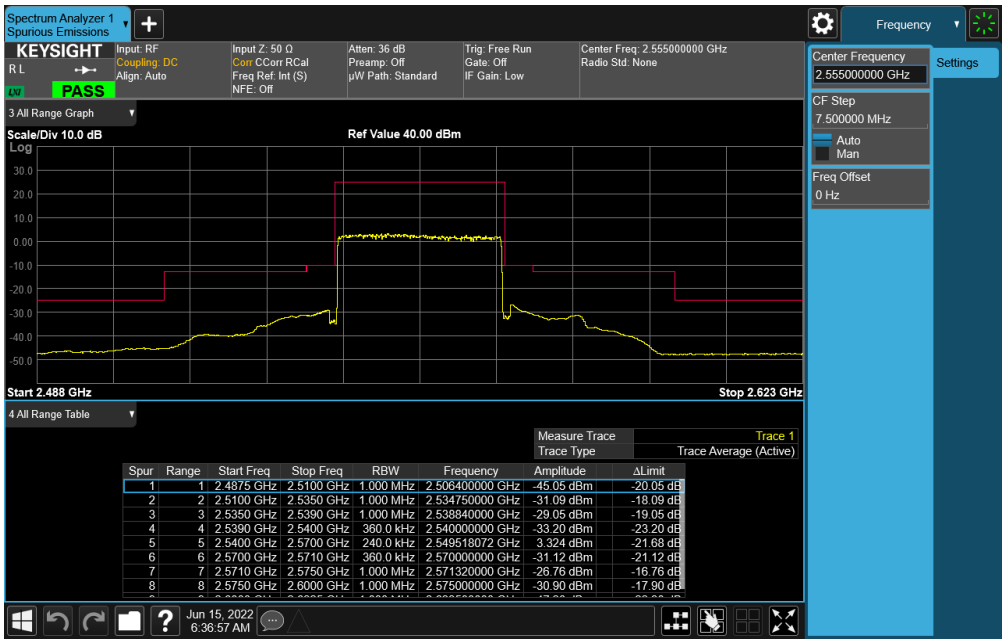
Plot 7-265. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM QPSK – Full RB)



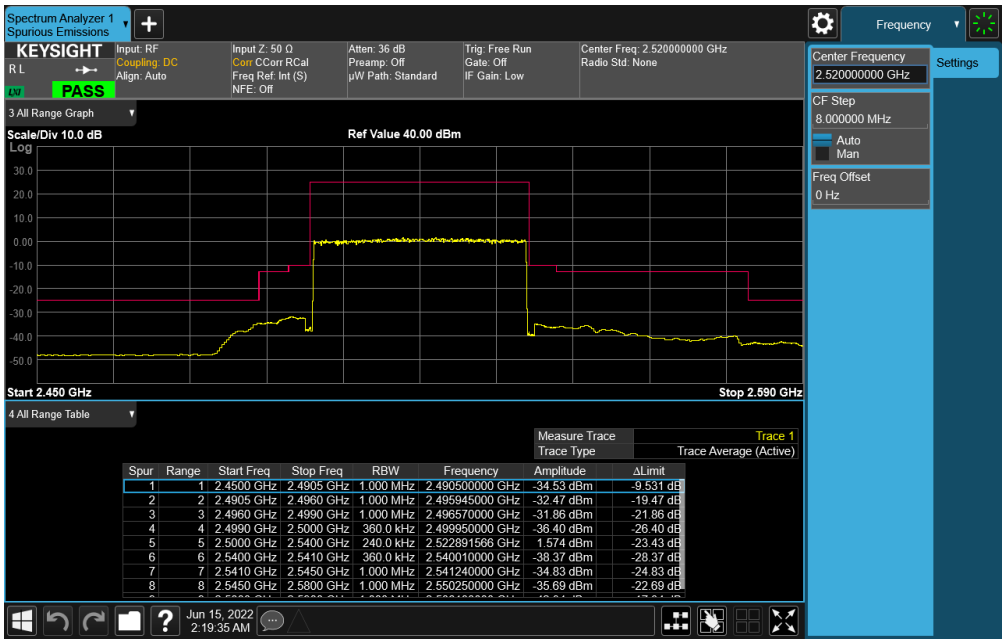
Plot 7-266. Lower Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)



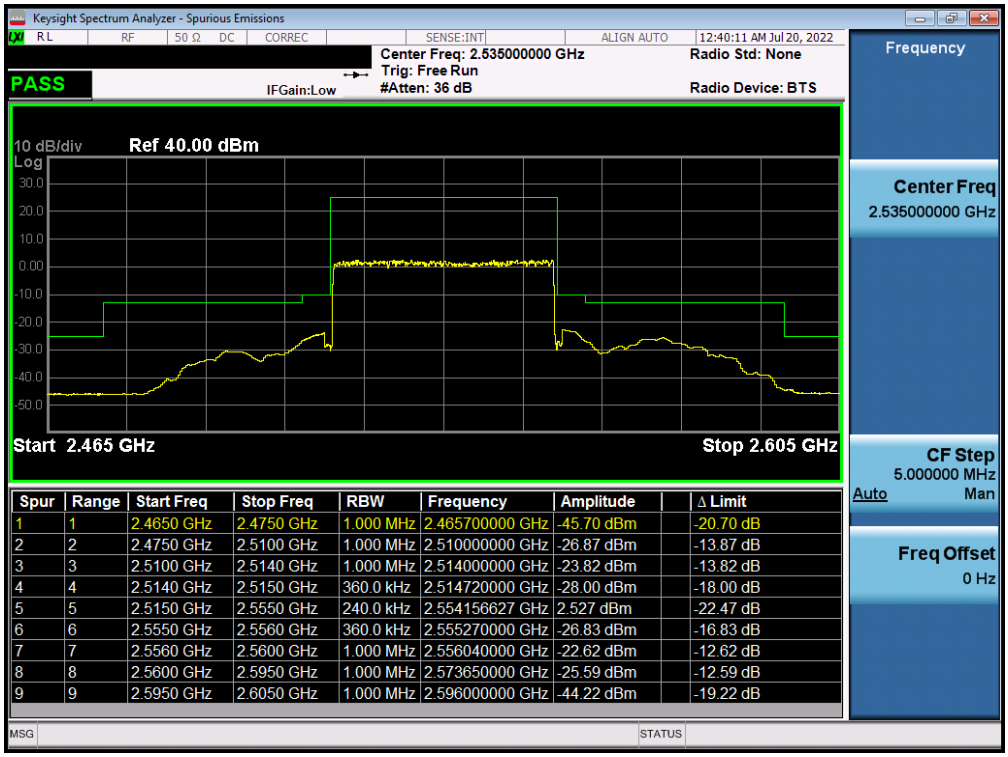
Plot 7-267. Middle Band Edge Plot (NR Band n7 - 30MHz CP-OFDM QPSK – Full RB)



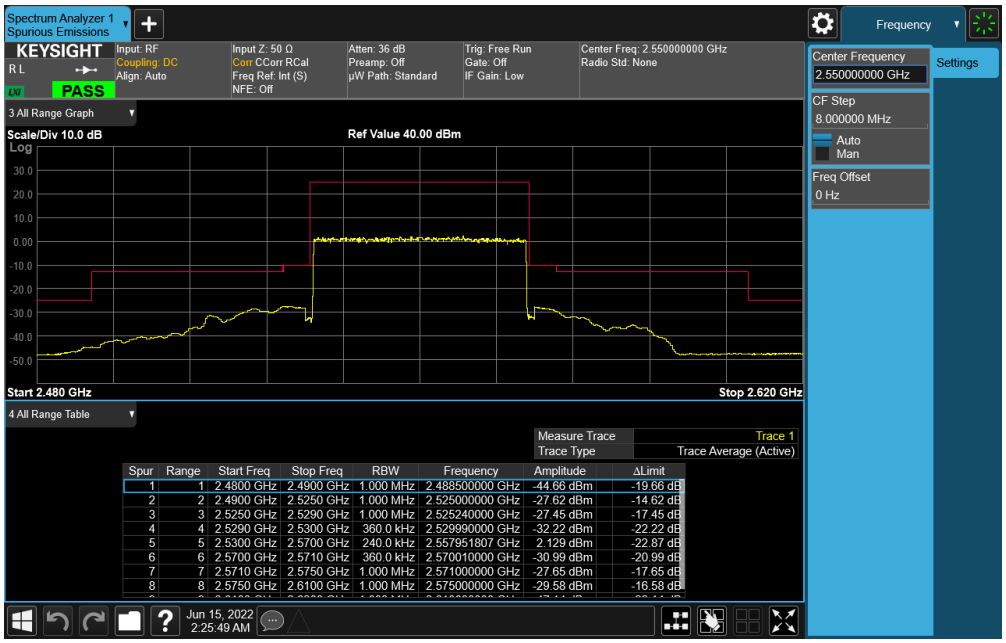
Plot 7-268. Upper Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)



Plot 7-269. Lower Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

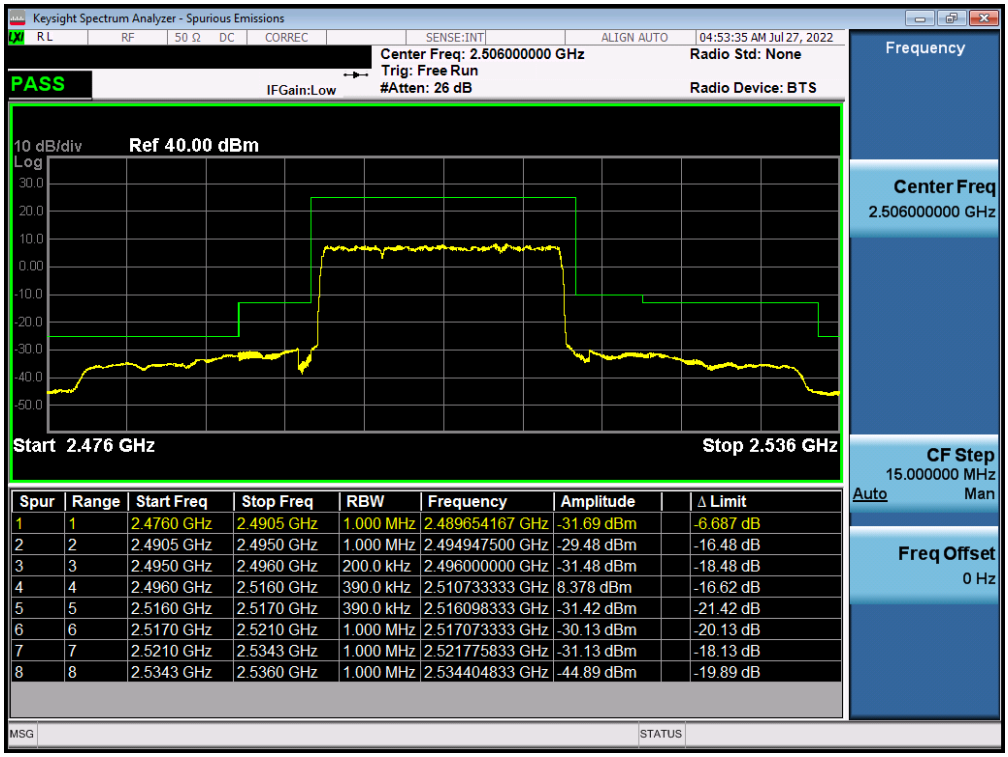


Plot 7-270. Middle Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)



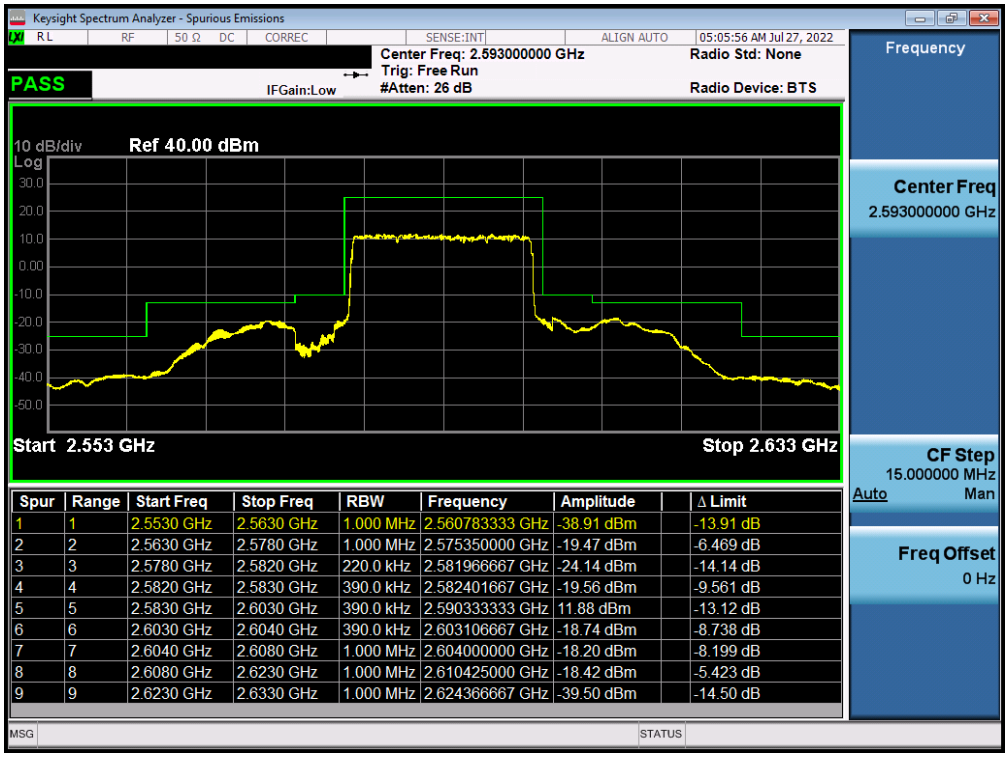
Plot 7-271. Upper Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

NR Band n41



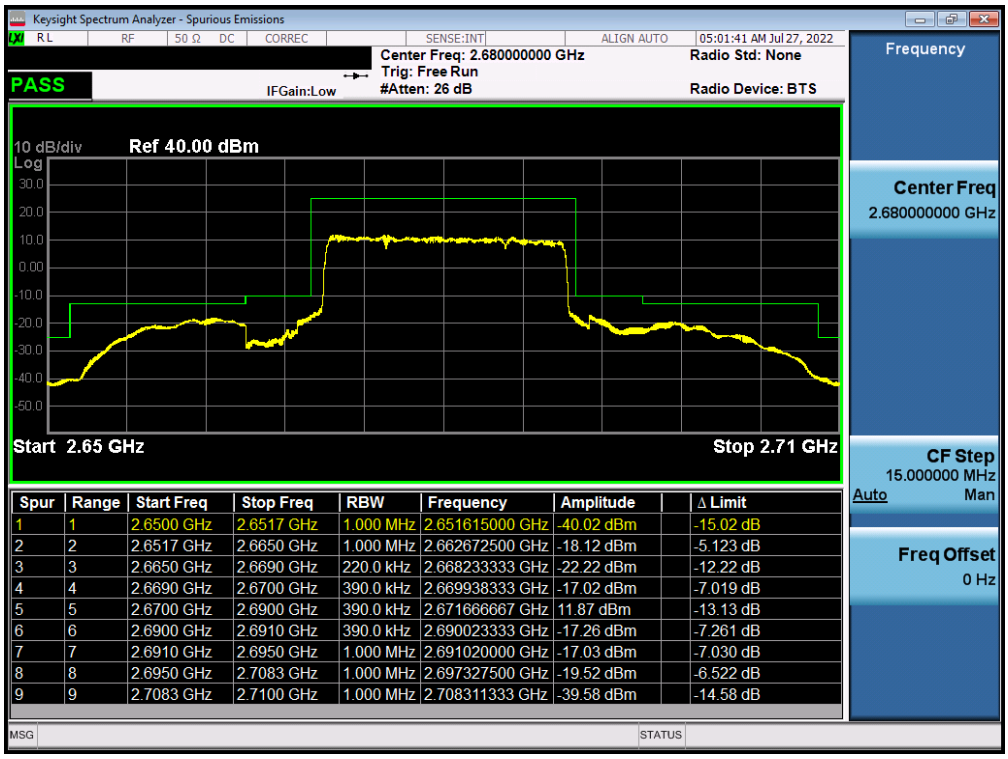
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4760 GHz	2.4905 GHz	1.000 MHz	2.489654167 GHz	-31.69 dBm	-6.687 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494947500 GHz	-29.48 dBm	-16.48 dB
3	3	2.4950 GHz	2.4960 GHz	200.0 kHz	2.496000000 GHz	-31.48 dBm	-18.48 dB
4	4	2.4960 GHz	2.5160 GHz	390.0 kHz	2.510733333 GHz	8.378 dBm	-16.62 dB
5	5	2.5160 GHz	2.5170 GHz	390.0 kHz	2.516098333 GHz	-31.42 dBm	-21.42 dB
6	6	2.5170 GHz	2.5210 GHz	1.000 MHz	2.517073333 GHz	-30.13 dBm	-20.13 dB
7	7	2.5210 GHz	2.5343 GHz	1.000 MHz	2.521775833 GHz	-31.13 dBm	-18.13 dB
8	8	2.5343 GHz	2.5360 GHz	1.000 MHz	2.534404833 GHz	-44.89 dBm	-19.89 dB

Plot 7-272. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)



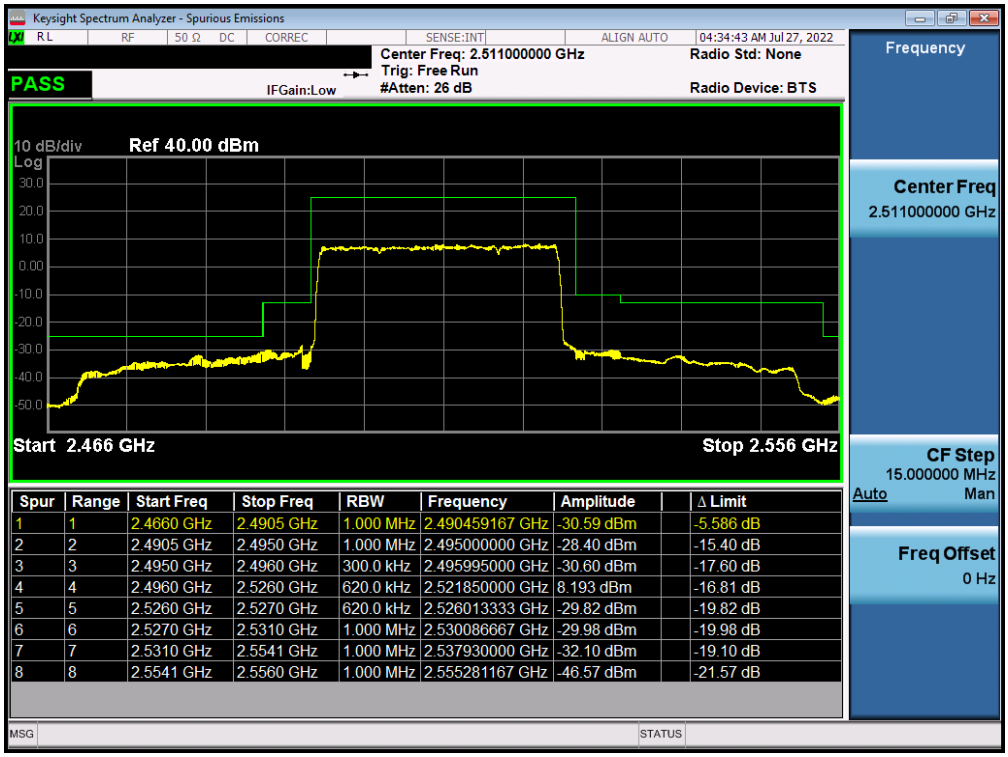
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5530 GHz	2.5630 GHz	1.000 MHz	2.560783333 GHz	-38.91 dBm	-13.91 dB
2	2	2.5630 GHz	2.5780 GHz	1.000 MHz	2.575350000 GHz	-19.47 dBm	-6.469 dB
3	3	2.5780 GHz	2.5820 GHz	220.0 kHz	2.581966667 GHz	-24.14 dBm	-14.14 dB
4	4	2.5820 GHz	2.5830 GHz	390.0 kHz	2.582401667 GHz	-19.56 dBm	-9.561 dB
5	5	2.5830 GHz	2.6030 GHz	390.0 kHz	2.590333333 GHz	11.88 dBm	-13.12 dB
6	6	2.6030 GHz	2.6040 GHz	390.0 kHz	2.603106667 GHz	-18.74 dBm	-8.738 dB
7	7	2.6040 GHz	2.6080 GHz	1.000 MHz	2.604000000 GHz	-18.20 dBm	-8.199 dB
8	8	2.6080 GHz	2.6230 GHz	1.000 MHz	2.610425000 GHz	-18.42 dBm	-5.423 dB
9	9	2.6230 GHz	2.6330 GHz	1.000 MHz	2.624366667 GHz	-39.50 dBm	-14.50 dB

Plot 7-273. Middle ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)



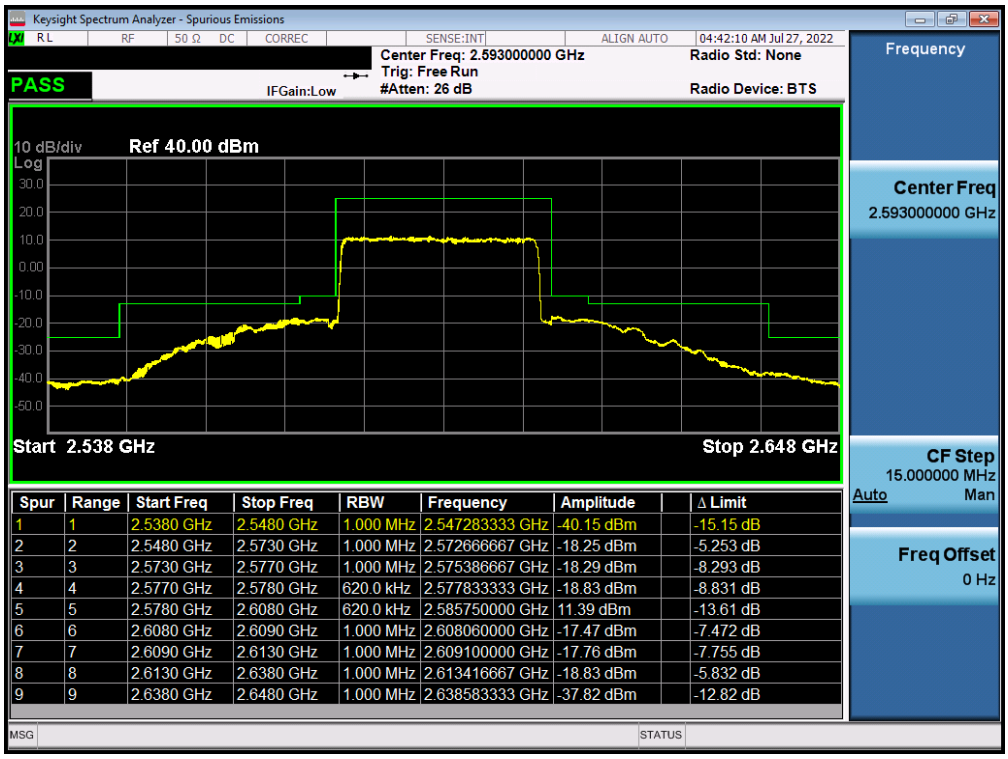
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6500 GHz	2.6517 GHz	1.000 MHz	2.651615000 GHz	-40.02 dBm	-15.02 dB
2	2	2.6517 GHz	2.6650 GHz	1.000 MHz	2.662672500 GHz	-18.12 dBm	-5.123 dB
3	3	2.6650 GHz	2.6690 GHz	220.0 kHz	2.668233333 GHz	-22.22 dBm	-12.22 dB
4	4	2.6690 GHz	2.6700 GHz	390.0 kHz	2.669938333 GHz	-17.02 dBm	-7.019 dB
5	5	2.6700 GHz	2.6900 GHz	390.0 kHz	2.671666667 GHz	11.87 dBm	-13.13 dB
6	6	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690023333 GHz	-17.26 dBm	-7.261 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691020000 GHz	-17.03 dBm	-7.030 dB
8	8	2.6950 GHz	2.7083 GHz	1.000 MHz	2.697327500 GHz	-19.52 dBm	-6.522 dB
9	9	2.7083 GHz	2.7100 GHz	1.000 MHz	2.708311333 GHz	-39.58 dBm	-14.58 dB

Plot 7-274. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)



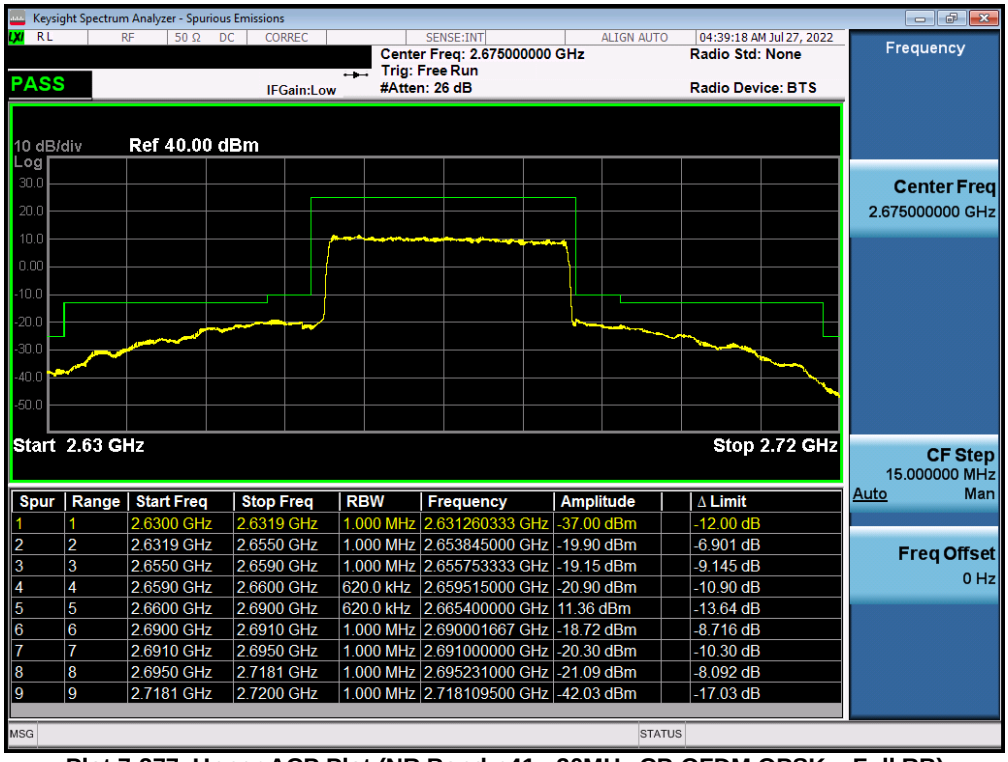
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4660 GHz	2.4905 GHz	1.000 MHz	2.490459167 GHz	-30.59 dBm	-5.586 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.495000000 GHz	-28.40 dBm	-15.40 dB
3	3	2.4950 GHz	2.4960 GHz	300.0 kHz	2.495995000 GHz	-30.60 dBm	-17.60 dB
4	4	2.4960 GHz	2.5260 GHz	620.0 kHz	2.521850000 GHz	8.193 dBm	-16.81 dB
5	5	2.5260 GHz	2.5270 GHz	620.0 kHz	2.526013333 GHz	-29.82 dBm	-19.82 dB
6	6	2.5270 GHz	2.5310 GHz	1.000 MHz	2.530086667 GHz	-29.98 dBm	-19.98 dB
7	7	2.5310 GHz	2.5541 GHz	1.000 MHz	2.537930000 GHz	-32.10 dBm	-19.10 dB
8	8	2.5541 GHz	2.5560 GHz	1.000 MHz	2.555281167 GHz	-46.57 dBm	-21.57 dB

Plot 7-275. Lower ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)



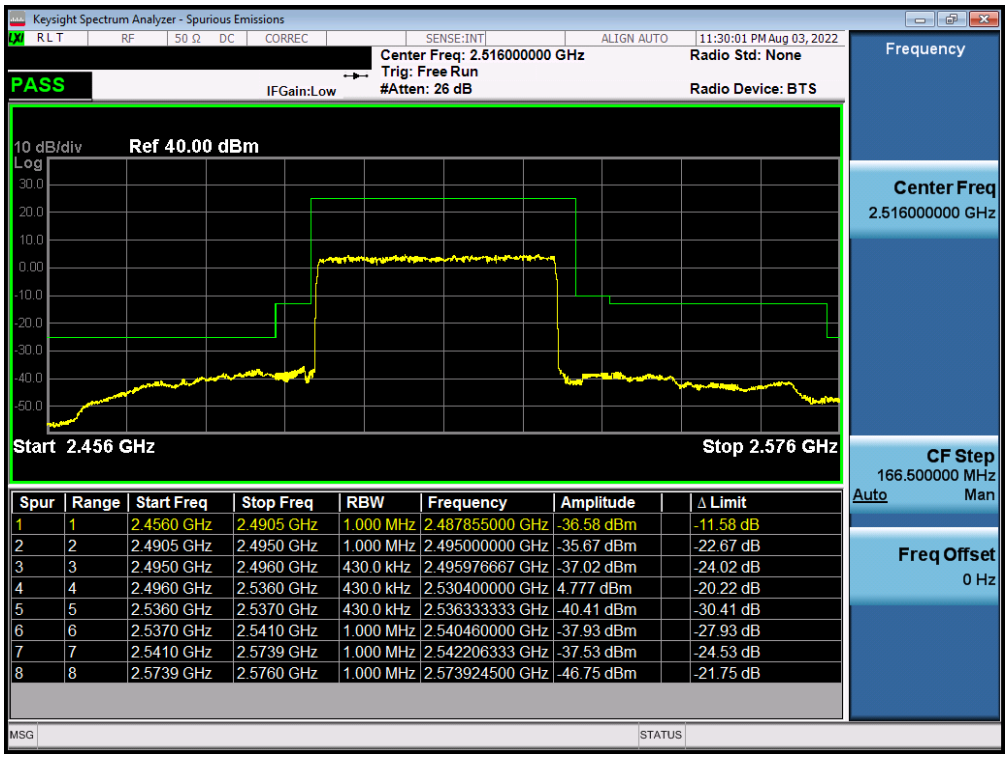
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5380 GHz	2.5480 GHz	1.000 MHz	2.547283333 GHz	-40.15 dBm	-15.15 dB
2	2	2.5480 GHz	2.5730 GHz	1.000 MHz	2.572666667 GHz	-18.25 dBm	-5.253 dB
3	3	2.5730 GHz	2.5770 GHz	1.000 MHz	2.575386667 GHz	-18.29 dBm	-8.293 dB
4	4	2.5770 GHz	2.5780 GHz	620.0 kHz	2.577833333 GHz	-18.83 dBm	-8.831 dB
5	5	2.5780 GHz	2.6080 GHz	620.0 kHz	2.585750000 GHz	11.39 dBm	-13.61 dB
6	6	2.6080 GHz	2.6090 GHz	1.000 MHz	2.608060000 GHz	-17.47 dBm	-7.472 dB
7	7	2.6090 GHz	2.6130 GHz	1.000 MHz	2.609100000 GHz	-17.76 dBm	-7.755 dB
8	8	2.6130 GHz	2.6380 GHz	1.000 MHz	2.613416667 GHz	-18.83 dBm	-5.832 dB
9	9	2.6380 GHz	2.6480 GHz	1.000 MHz	2.638583333 GHz	-37.82 dBm	-12.82 dB

Plot 7-276. Middle ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)



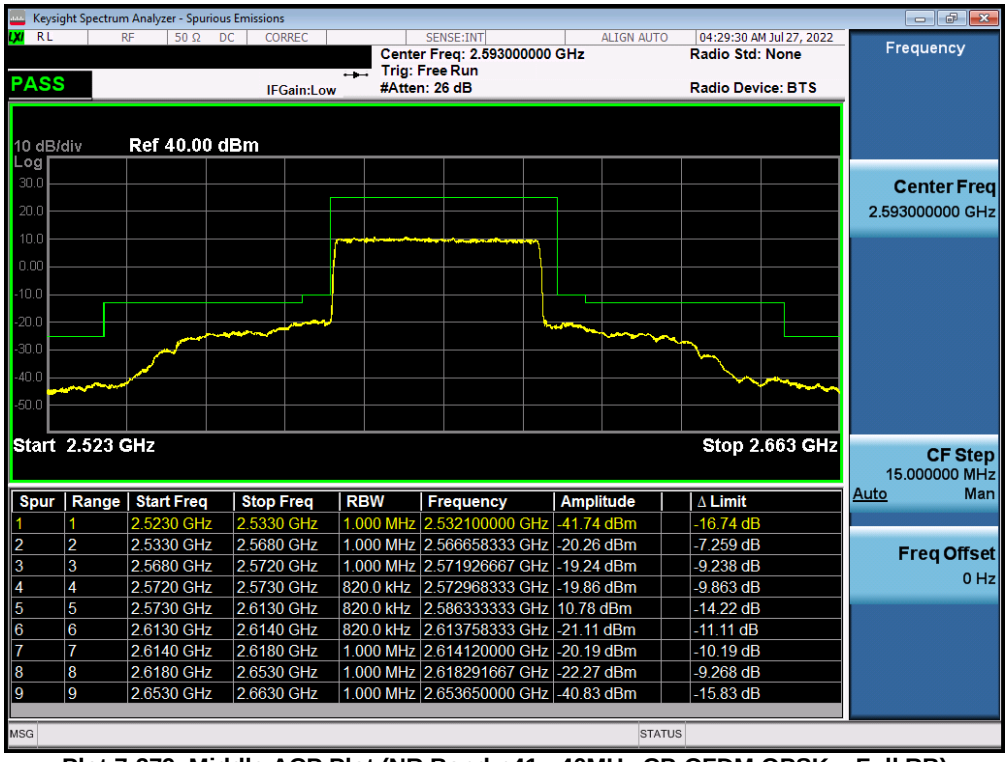
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6300 GHz	2.6319 GHz	1.000 MHz	2.631260333 GHz	-37.00 dBm	-12.00 dB
2	2	2.6319 GHz	2.6550 GHz	1.000 MHz	2.653845000 GHz	-19.90 dBm	-6.901 dB
3	3	2.6550 GHz	2.6590 GHz	1.000 MHz	2.655753333 GHz	-19.15 dBm	-9.145 dB
4	4	2.6590 GHz	2.6600 GHz	620.0 kHz	2.659515000 GHz	-20.90 dBm	-10.90 dB
5	5	2.6600 GHz	2.6900 GHz	620.0 kHz	2.665400000 GHz	11.36 dBm	-13.64 dB
6	6	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690001667 GHz	-18.72 dBm	-8.716 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-20.30 dBm	-10.30 dB
8	8	2.6950 GHz	2.7181 GHz	1.000 MHz	2.695231000 GHz	-21.09 dBm	-8.092 dB
9	9	2.7181 GHz	2.7200 GHz	1.000 MHz	2.718109500 GHz	-42.03 dBm	-17.03 dB

Plot 7-277. Upper ACP Plot (NR Band n41 - 30MHz CP-OFDM QPSK – Full RB)



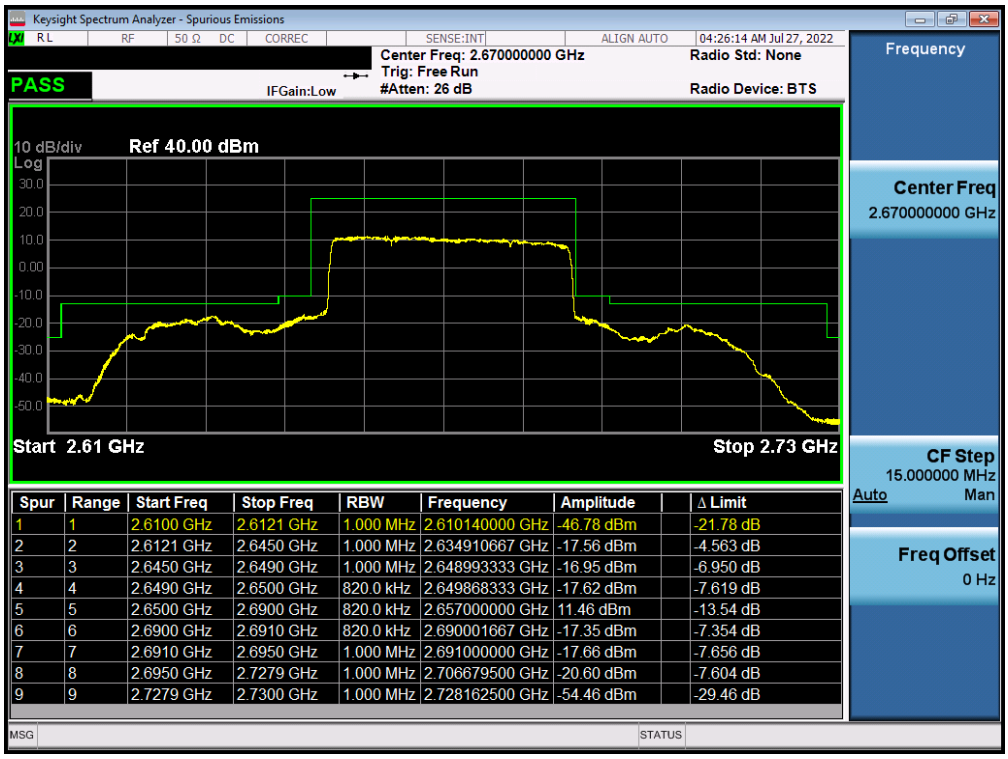
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4560 GHz	2.4905 GHz	1.000 MHz	2.487855000 GHz	-36.58 dBm	-11.58 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.495000000 GHz	-35.67 dBm	-22.67 dB
3	3	2.4950 GHz	2.4960 GHz	430.0 kHz	2.495976667 GHz	-37.02 dBm	-24.02 dB
4	4	2.4960 GHz	2.5360 GHz	430.0 kHz	2.530400000 GHz	4.777 dBm	-20.22 dB
5	5	2.5360 GHz	2.5370 GHz	430.0 kHz	2.536333333 GHz	-40.41 dBm	-30.41 dB
6	6	2.5370 GHz	2.5410 GHz	1.000 MHz	2.540460000 GHz	-37.93 dBm	-27.93 dB
7	7	2.5410 GHz	2.5739 GHz	1.000 MHz	2.542206333 GHz	-37.53 dBm	-24.53 dB
8	8	2.5739 GHz	2.5760 GHz	1.000 MHz	2.573924500 GHz	-46.75 dBm	-21.75 dB

Plot 7-278. Lower ACP Plot (NR Band n41 - 40MHz _CP-OFDM QPSK – Full RB)



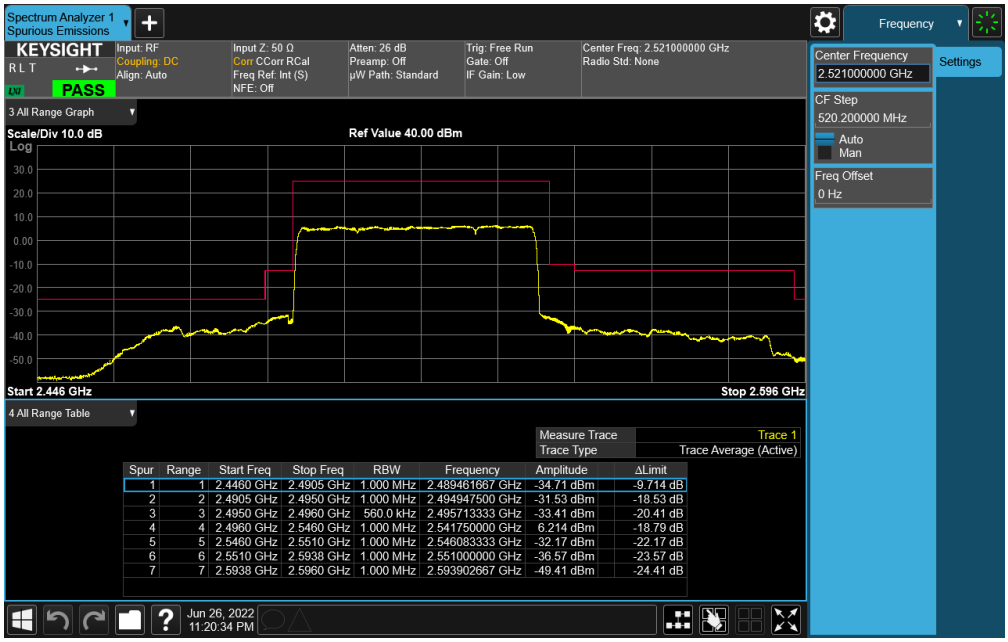
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5230 GHz	2.5330 GHz	1.000 MHz	2.532100000 GHz	-41.74 dBm	-16.74 dB
2	2	2.5330 GHz	2.5680 GHz	1.000 MHz	2.566658333 GHz	-20.26 dBm	-7.259 dB
3	3	2.5680 GHz	2.5720 GHz	1.000 MHz	2.571926667 GHz	-19.24 dBm	-9.238 dB
4	4	2.5720 GHz	2.5730 GHz	820.0 kHz	2.572968333 GHz	-19.86 dBm	-9.863 dB
5	5	2.5730 GHz	2.6130 GHz	820.0 kHz	2.586333333 GHz	10.78 dBm	-14.22 dB
6	6	2.6130 GHz	2.6140 GHz	820.0 kHz	2.613758333 GHz	-21.11 dBm	-11.11 dB
7	7	2.6140 GHz	2.6180 GHz	1.000 MHz	2.614120000 GHz	-20.19 dBm	-10.19 dB
8	8	2.6180 GHz	2.6530 GHz	1.000 MHz	2.618291667 GHz	-22.27 dBm	-9.268 dB
9	9	2.6530 GHz	2.6630 GHz	1.000 MHz	2.653650000 GHz	-40.83 dBm	-15.83 dB

Plot 7-279. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)



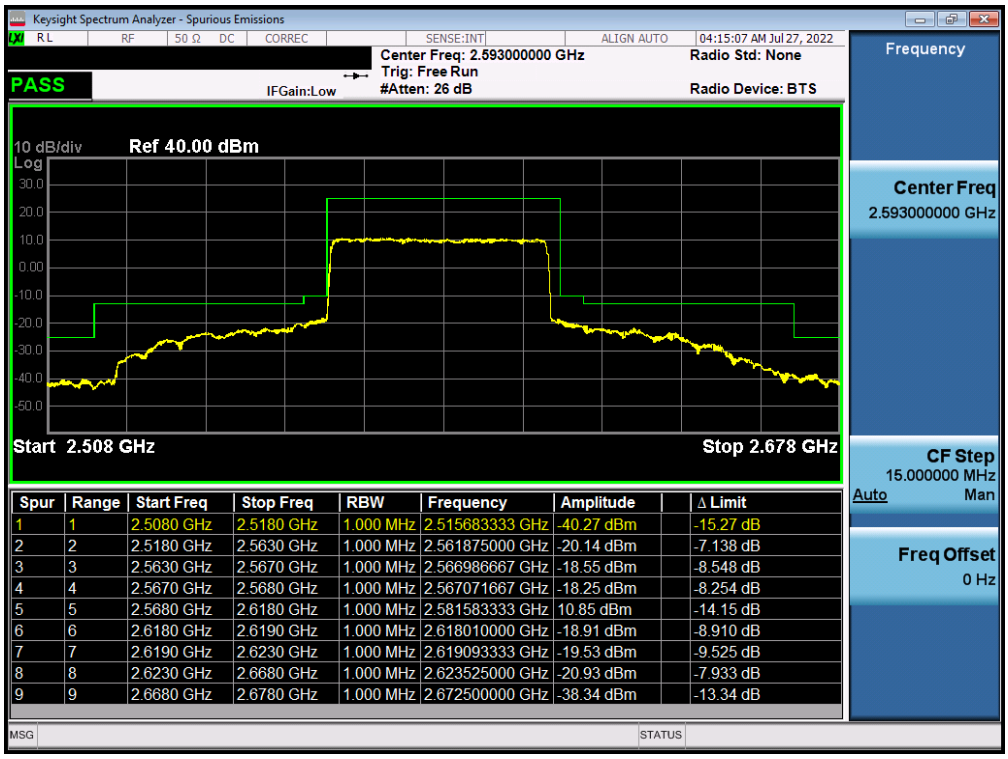
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6100 GHz	2.6121 GHz	1.000 MHz	2.610140000 GHz	-46.78 dBm	-21.78 dB
2	2	2.6121 GHz	2.6450 GHz	1.000 MHz	2.634910667 GHz	-17.56 dBm	-4.563 dB
3	3	2.6450 GHz	2.6490 GHz	1.000 MHz	2.648993333 GHz	-16.95 dBm	-6.950 dB
4	4	2.6490 GHz	2.6500 GHz	820.0 kHz	2.649868333 GHz	-17.62 dBm	-7.619 dB
5	5	2.6500 GHz	2.6900 GHz	820.0 kHz	2.657000000 GHz	11.46 dBm	-13.54 dB
6	6	2.6900 GHz	2.6910 GHz	820.0 kHz	2.690001667 GHz	-17.35 dBm	-7.354 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-17.66 dBm	-7.656 dB
8	8	2.6950 GHz	2.7279 GHz	1.000 MHz	2.706679500 GHz	-20.60 dBm	-7.604 dB
9	9	2.7279 GHz	2.7300 GHz	1.000 MHz	2.728162500 GHz	-54.46 dBm	-29.46 dB

Plot 7-280. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4460 GHz	2.4905 GHz	1.000 MHz	2.489461667 GHz	-34.71 dBm	-9.714 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494947500 GHz	-31.53 dBm	-18.53 dB
3	3	2.4950 GHz	2.4960 GHz	560.0 kHz	2.495713333 GHz	-33.41 dBm	-20.41 dB
4	4	2.4960 GHz	2.5460 GHz	1.000 MHz	2.541750000 GHz	6.214 dBm	-18.79 dB
5	5	2.5460 GHz	2.5510 GHz	1.000 MHz	2.546083333 GHz	-32.17 dBm	-22.17 dB
6	6	2.5510 GHz	2.5938 GHz	1.000 MHz	2.551000000 GHz	-36.57 dBm	-23.57 dB
7	7	2.5938 GHz	2.5960 GHz	1.000 MHz	2.593902667 GHz	-49.41 dBm	-24.41 dB

Plot 7-281. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK – Full RB)

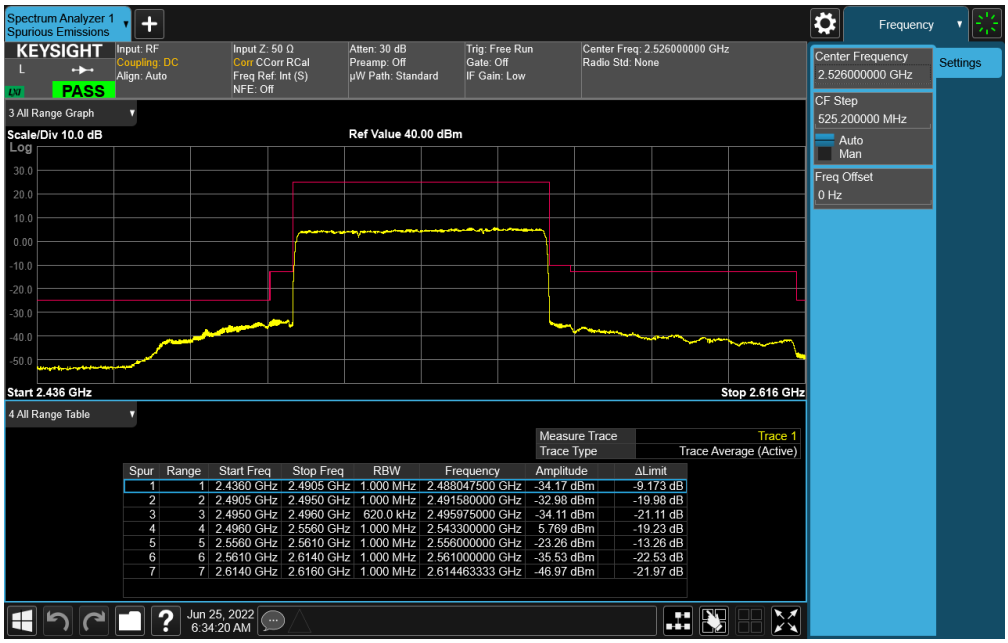


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5080 GHz	2.5180 GHz	1.000 MHz	2.515683333 GHz	-40.27 dBm	-15.27 dB
2	2	2.5180 GHz	2.5630 GHz	1.000 MHz	2.561875000 GHz	-20.14 dBm	-7.138 dB
3	3	2.5630 GHz	2.5670 GHz	1.000 MHz	2.566986667 GHz	-18.55 dBm	-8.548 dB
4	4	2.5670 GHz	2.5680 GHz	1.000 MHz	2.567071667 GHz	-18.25 dBm	-8.254 dB
5	5	2.5680 GHz	2.6180 GHz	1.000 MHz	2.581583333 GHz	10.85 dBm	-14.15 dB
6	6	2.6180 GHz	2.6190 GHz	1.000 MHz	2.618010000 GHz	-18.91 dBm	-8.910 dB
7	7	2.6190 GHz	2.6230 GHz	1.000 MHz	2.619093333 GHz	-19.53 dBm	-9.525 dB
8	8	2.6230 GHz	2.6680 GHz	1.000 MHz	2.623525000 GHz	-20.93 dBm	-7.933 dB
9	9	2.6680 GHz	2.6780 GHz	1.000 MHz	2.672500000 GHz	-38.34 dBm	-13.34 dB

Plot 7-282. Middle ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK – Full RB)

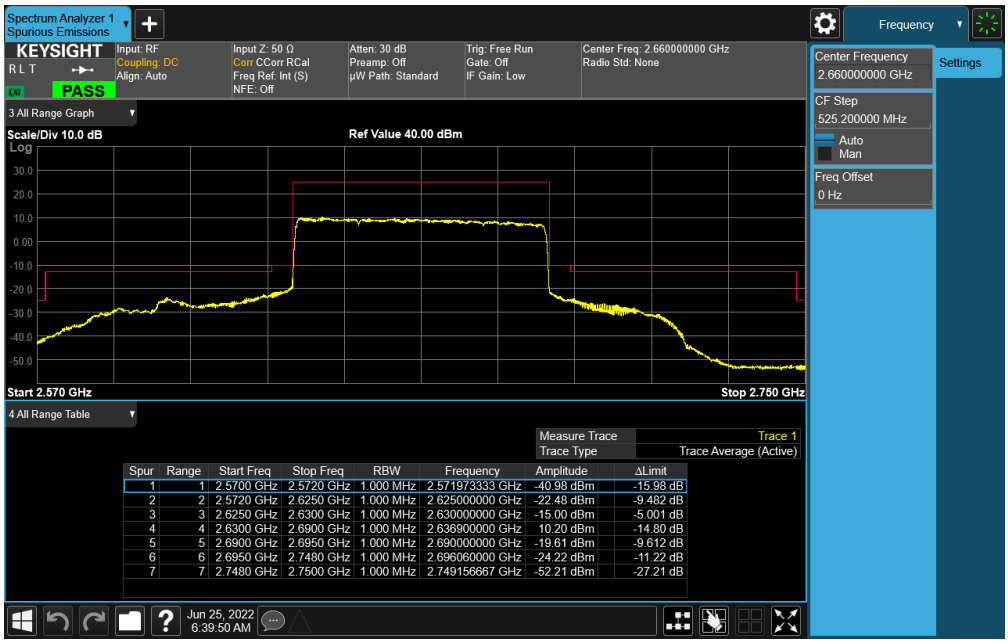
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5900 GHz	2.5922 GHz	1.000 MHz	2.592189000 GHz	-41.81 dBm	-16.81 dB
2	2	2.5922 GHz	2.6350 GHz	1.000 MHz	2.616881333 GHz	-22.32 dBm	-9.322 dB
3	3	2.6350 GHz	2.6400 GHz	1.000 MHz	2.639958333 GHz	-18.01 dBm	-8.015 dB
4	4	2.6400 GHz	2.6900 GHz	1.000 MHz	2.650083333 GHz	11.89 dBm	-13.11 dB
5	5	2.6900 GHz	2.6950 GHz	1.000 MHz	2.690091667 GHz	-17.30 dBm	-7.298 dB
6	6	2.6950 GHz	2.7378 GHz	1.000 MHz	2.711478000 GHz	-23.40 dBm	-10.40 dB
7	7	2.7378 GHz	2.7400 GHz	1.000 MHz	2.739523333 GHz	-54.86 dBm	-29.86 dB

Plot 7-283. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK – Full RB)



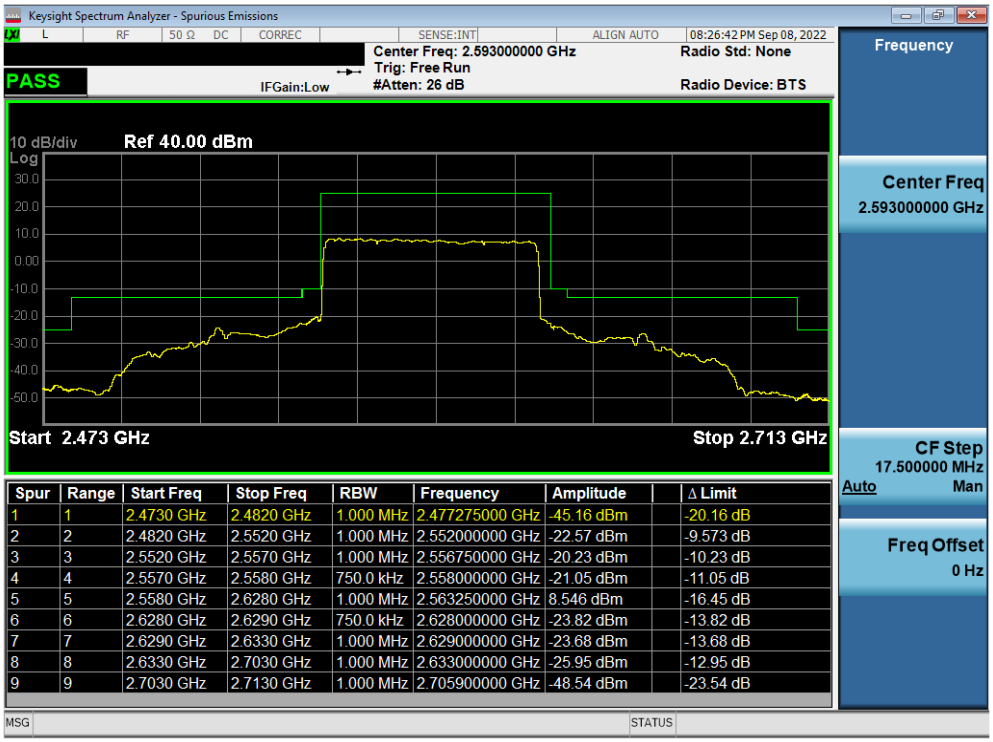
Plot 7-284. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

Plot 7-285. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)



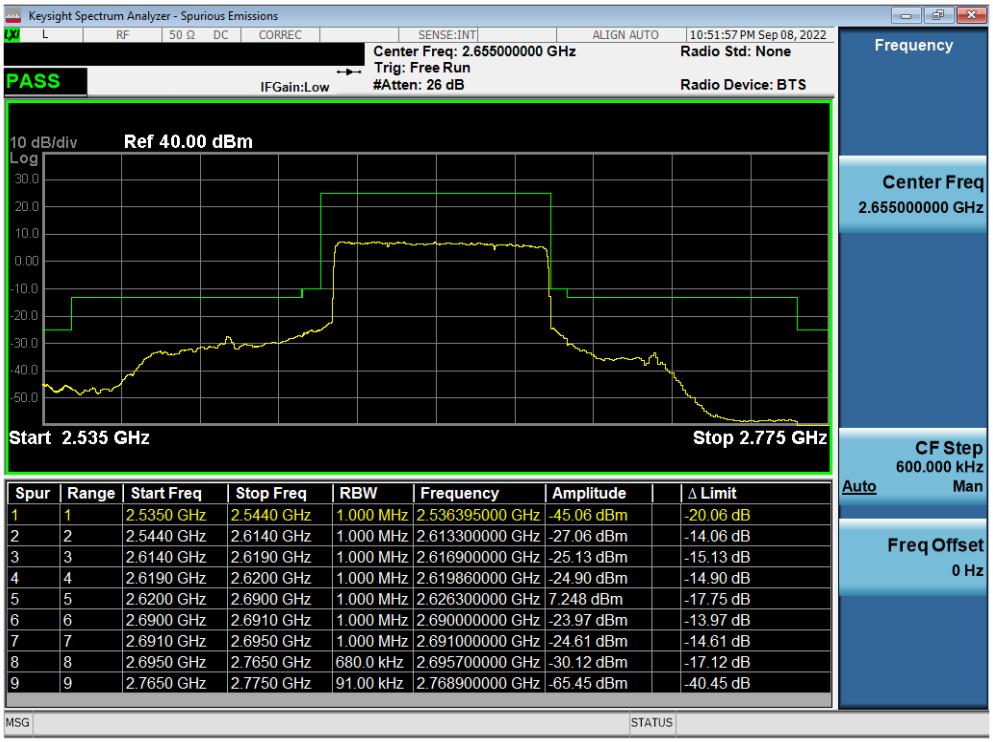
Plot 7-286. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

Plot 7-287. Lower ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)



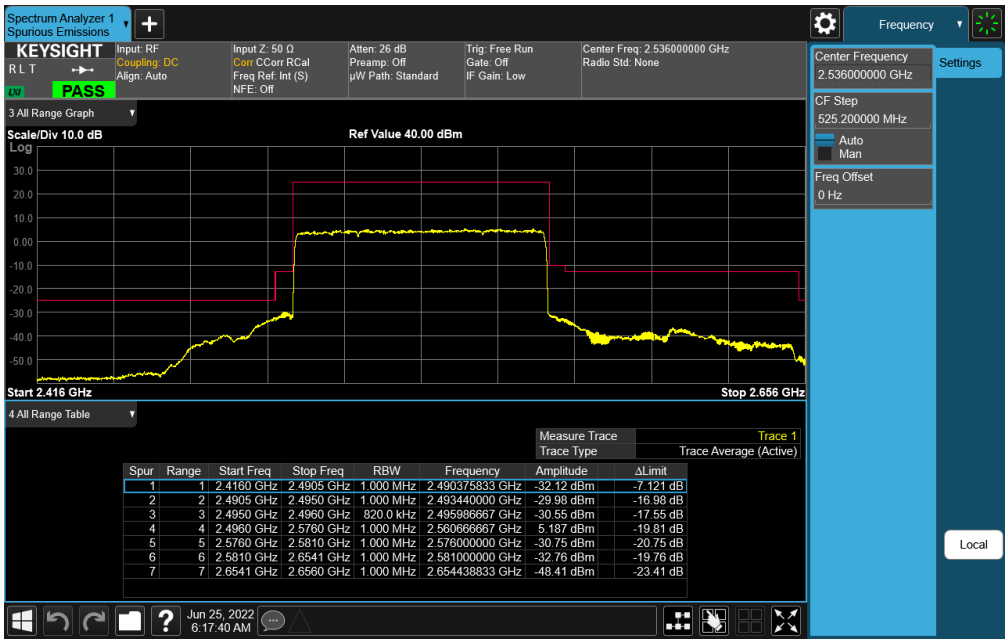
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4730 GHz	2.4820 GHz	1.000 MHz	2.477275000 GHz	-45.16 dBm	-20.16 dB
2	2	2.4820 GHz	2.5520 GHz	1.000 MHz	2.552000000 GHz	-22.57 dBm	-9.573 dB
3	3	2.5520 GHz	2.5570 GHz	1.000 MHz	2.556750000 GHz	-20.23 dBm	-10.23 dB
4	4	2.5570 GHz	2.5580 GHz	750.0 kHz	2.558000000 GHz	-21.05 dBm	-11.05 dB
5	5	2.5580 GHz	2.6280 GHz	1.000 MHz	2.563250000 GHz	8.546 dBm	-16.45 dB
6	6	2.6280 GHz	2.6290 GHz	750.0 kHz	2.628000000 GHz	-23.82 dBm	-13.82 dB
7	7	2.6290 GHz	2.6330 GHz	1.000 MHz	2.629000000 GHz	-23.68 dBm	-13.68 dB
8	8	2.6330 GHz	2.7030 GHz	1.000 MHz	2.633000000 GHz	-25.95 dBm	-12.95 dB
9	9	2.7030 GHz	2.7130 GHz	1.000 MHz	2.705900000 GHz	-48.54 dBm	-23.54 dB

Plot 7-288. Middle ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

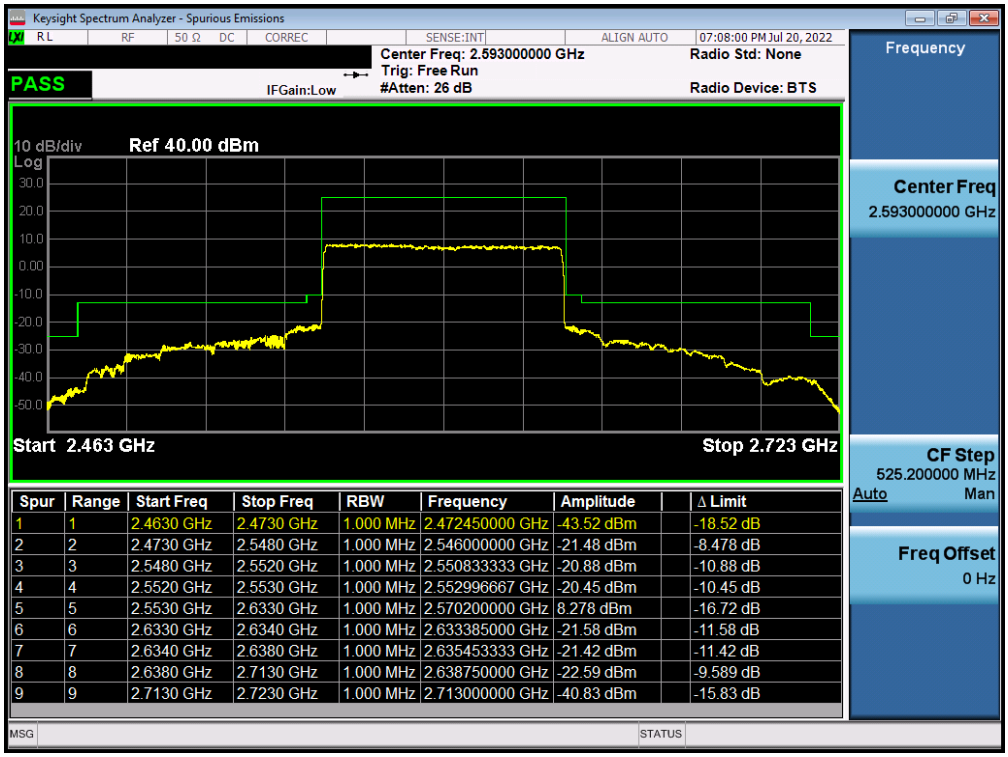


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5350 GHz	2.5440 GHz	1.000 MHz	2.536395000 GHz	-45.06 dBm	-20.06 dB
2	2	2.5440 GHz	2.6140 GHz	1.000 MHz	2.613300000 GHz	-27.06 dBm	-14.06 dB
3	3	2.6140 GHz	2.6190 GHz	1.000 MHz	2.616900000 GHz	-25.13 dBm	-15.13 dB
4	4	2.6190 GHz	2.6200 GHz	1.000 MHz	2.619860000 GHz	-24.90 dBm	-14.90 dB
5	5	2.6200 GHz	2.6900 GHz	1.000 MHz	2.626300000 GHz	7.248 dBm	-17.75 dB
6	6	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690000000 GHz	-23.97 dBm	-13.97 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-24.61 dBm	-14.61 dB
8	8	2.6950 GHz	2.7650 GHz	680.0 kHz	2.695700000 GHz	-30.12 dBm	-17.12 dB
9	9	2.7650 GHz	2.7750 GHz	91.00 kHz	2.768900000 GHz	-65.45 dBm	-40.45 dB

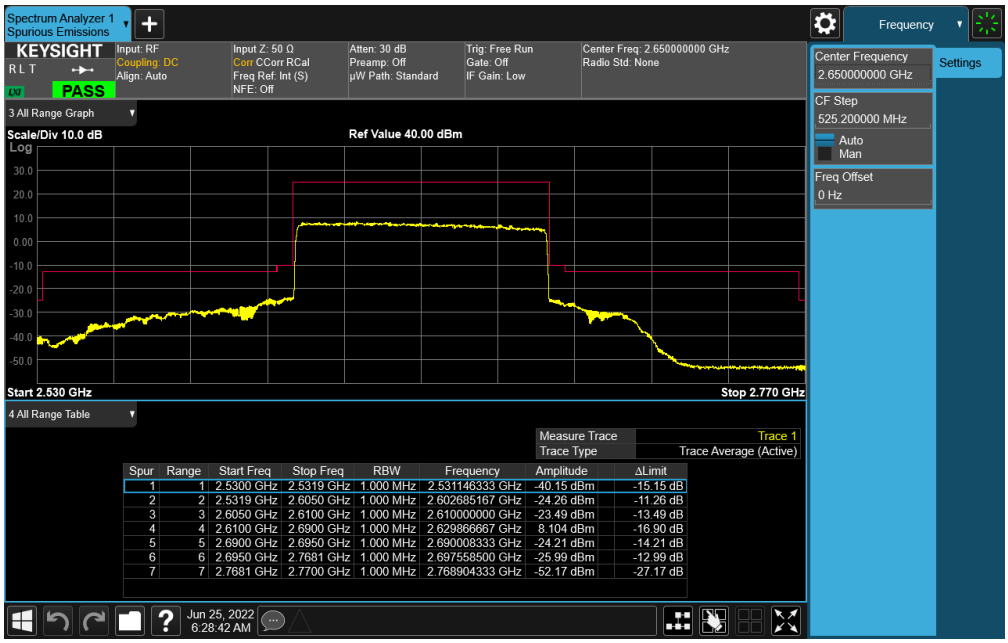
Plot 7-289. Upper ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)



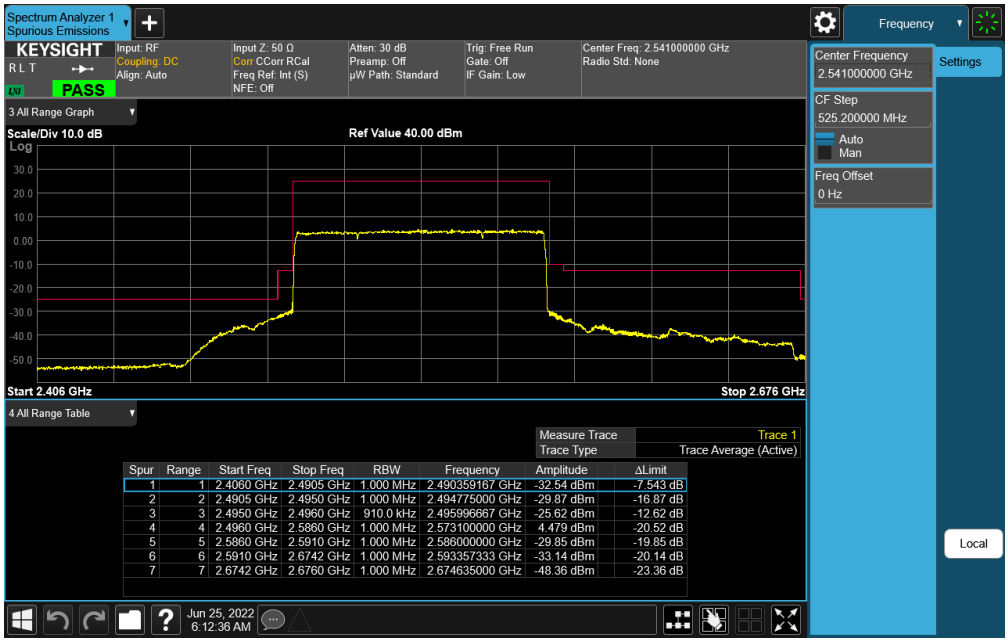
Plot 7-290. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)



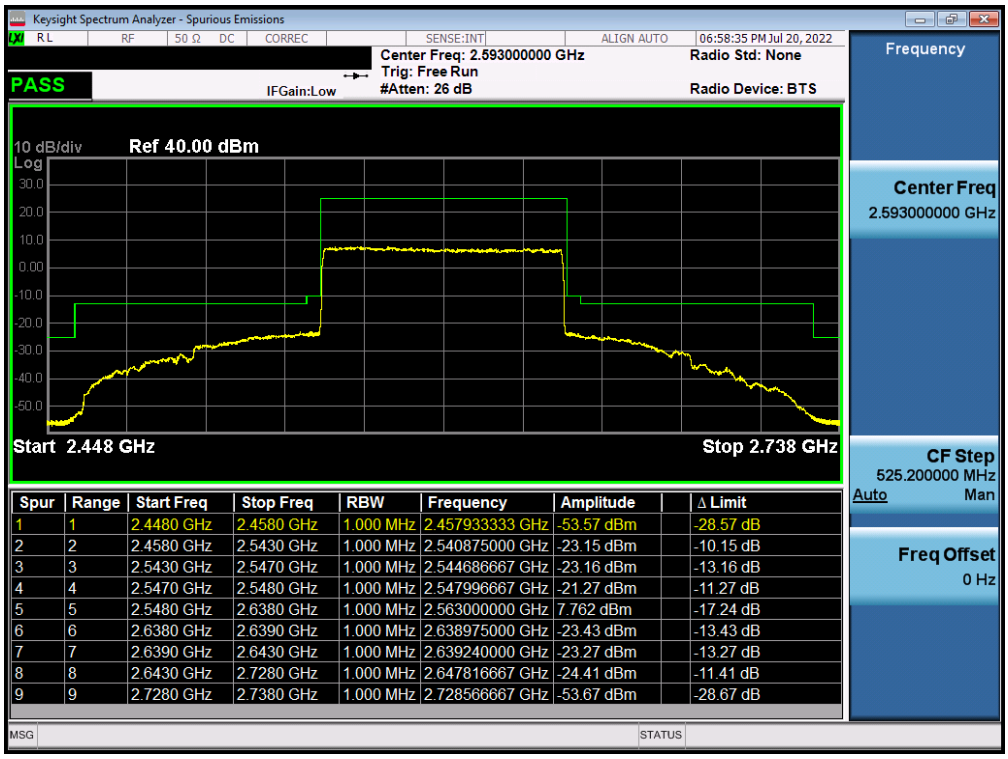
Plot 7-291. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)



Plot 7-292. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

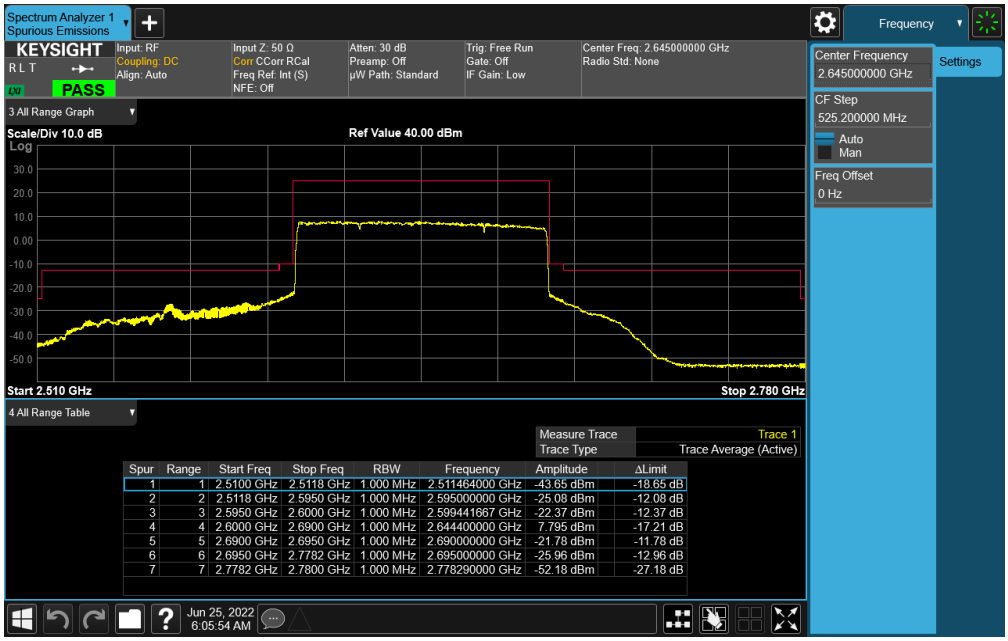


Plot 7-293. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)



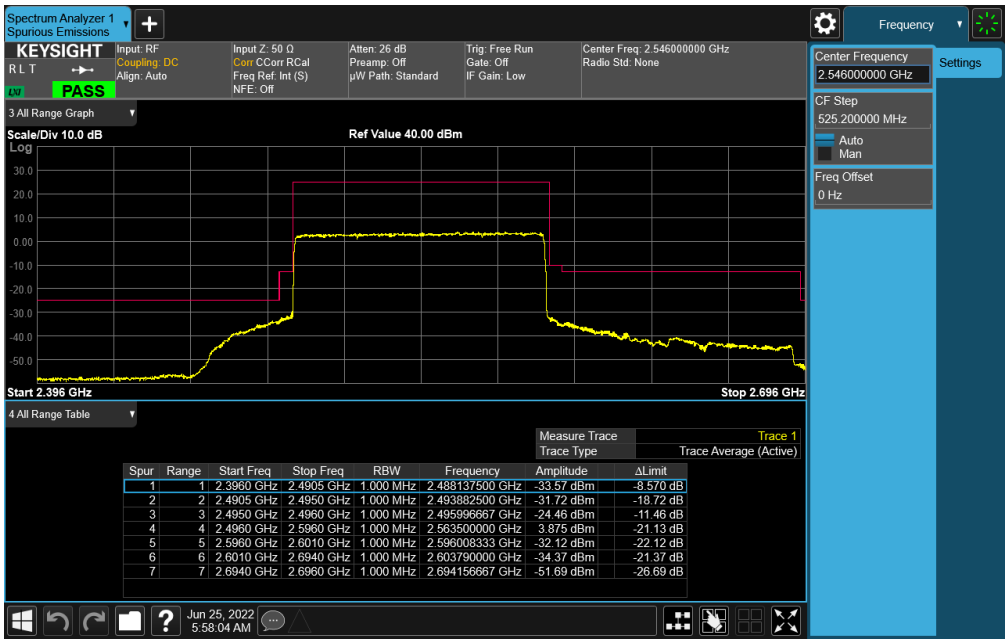
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4480 GHz	2.4580 GHz	1.000 MHz	2.457933333 GHz	-53.57 dBm	-28.57 dB
2	2	2.4580 GHz	2.5430 GHz	1.000 MHz	2.540875000 GHz	-23.15 dBm	-10.15 dB
3	3	2.5430 GHz	2.5470 GHz	1.000 MHz	2.544686667 GHz	-23.16 dBm	-13.16 dB
4	4	2.5470 GHz	2.5480 GHz	1.000 MHz	2.547996667 GHz	-21.27 dBm	-11.27 dB
5	5	2.5480 GHz	2.6380 GHz	1.000 MHz	2.563000000 GHz	7.762 dBm	-17.24 dB
6	6	2.6380 GHz	2.6390 GHz	1.000 MHz	2.638975000 GHz	-23.43 dBm	-13.43 dB
7	7	2.6390 GHz	2.6430 GHz	1.000 MHz	2.639240000 GHz	-23.27 dBm	-13.27 dB
8	8	2.6430 GHz	2.7280 GHz	1.000 MHz	2.647816667 GHz	-24.41 dBm	-11.41 dB
9	9	2.7280 GHz	2.7380 GHz	1.000 MHz	2.728566667 GHz	-53.67 dBm	-28.67 dB

Plot 7-294. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

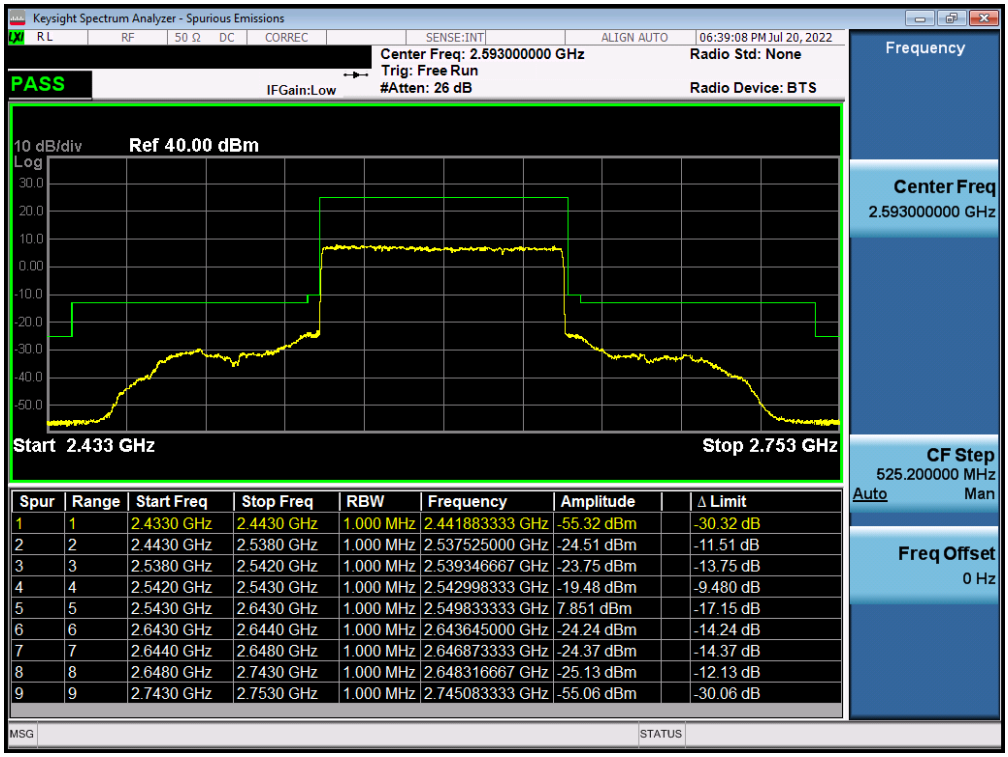


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5100 GHz	2.5118 GHz	1.000 MHz	2.511464000 GHz	-43.65 dBm	-18.65 dB
2	2	2.5118 GHz	2.5950 GHz	1.000 MHz	2.595000000 GHz	-25.08 dBm	-12.08 dB
3	3	2.5950 GHz	2.6000 GHz	1.000 MHz	2.599441667 GHz	-22.37 dBm	-12.37 dB
4	4	2.6000 GHz	2.6900 GHz	1.000 MHz	2.644000000 GHz	7.795 dBm	-17.21 dB
5	5	2.6900 GHz	2.6950 GHz	1.000 MHz	2.690000000 GHz	-21.78 dBm	-11.78 dB
6	6	2.6950 GHz	2.7782 GHz	1.000 MHz	2.695000000 GHz	-25.96 dBm	-12.96 dB
7	7	2.7782 GHz	2.7800 GHz	1.000 MHz	2.778290000 GHz	-52.18 dBm	-27.18 dB

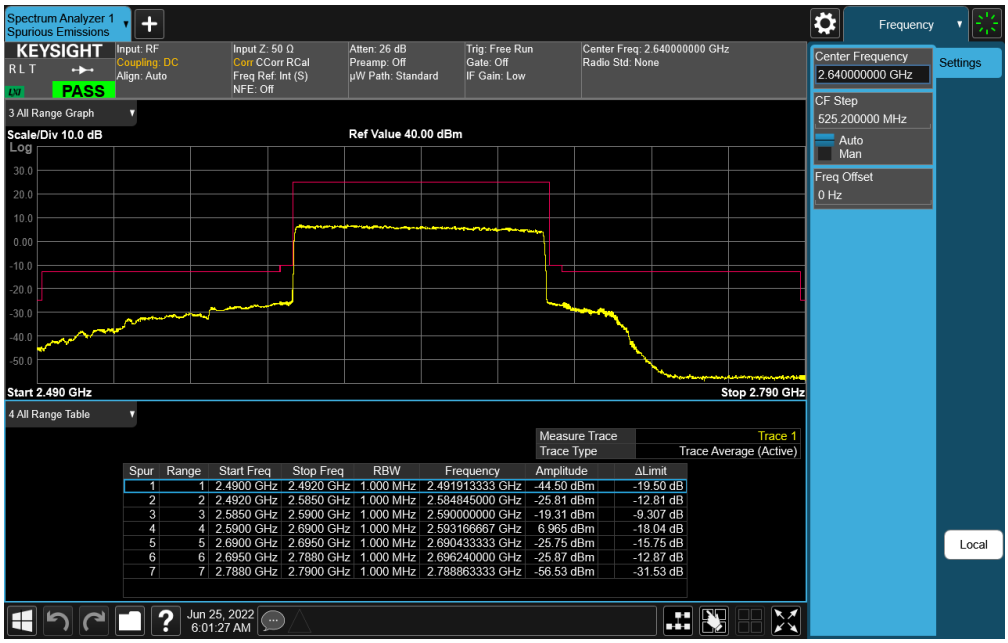
Plot 7-295. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)



Plot 7-296. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

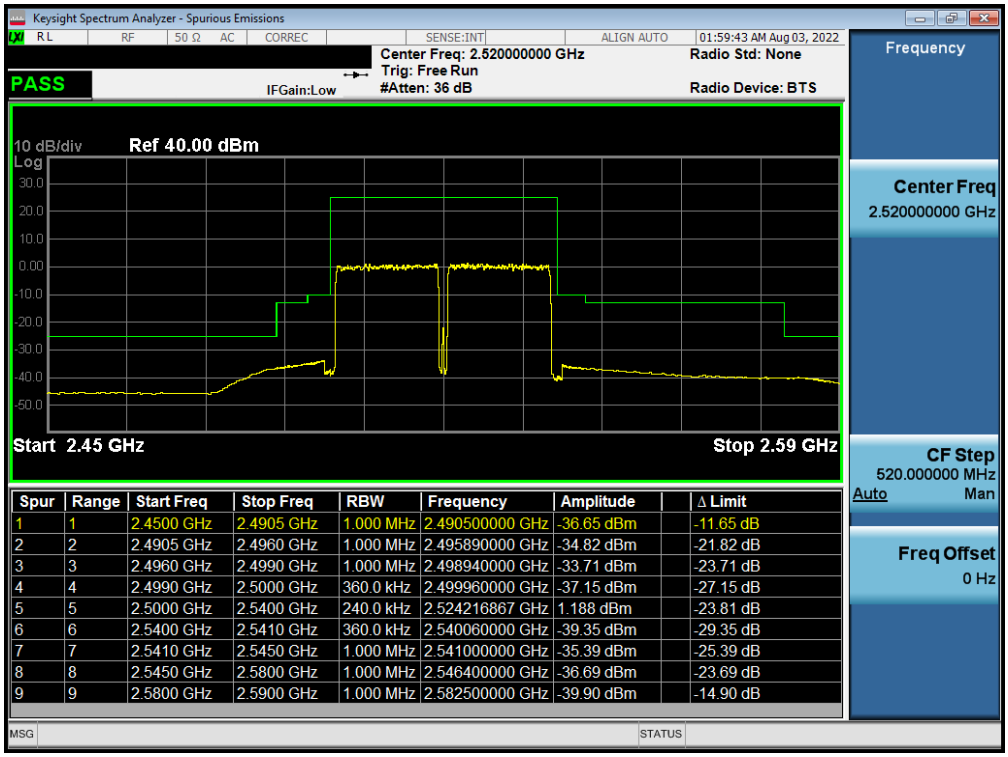


Plot 7-297. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)



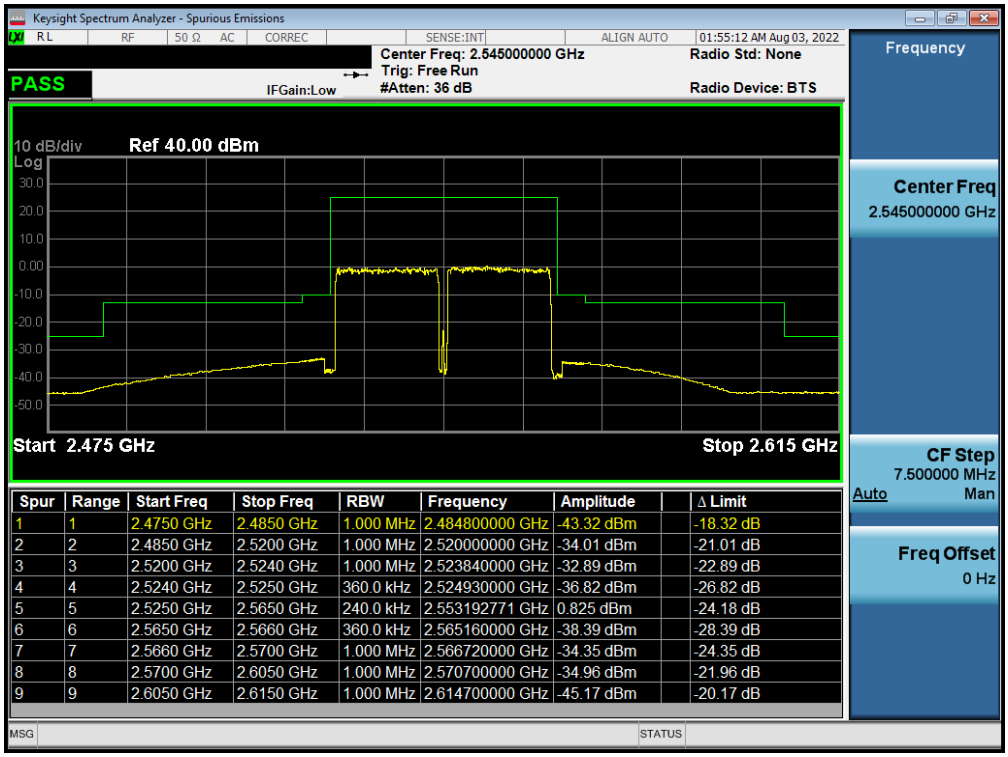
Plot 7-298. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

ULCA - LTE Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4500 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-36.65 dBm	-11.65 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495890000 GHz	-34.82 dBm	-21.82 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498940000 GHz	-33.71 dBm	-23.71 dB
4	4	2.4990 GHz	2.5000 GHz	360.0 kHz	2.499960000 GHz	-37.15 dBm	-27.15 dB
5	5	2.5000 GHz	2.5400 GHz	240.0 kHz	2.524216867 GHz	1.188 dBm	-23.81 dB
6	6	2.5400 GHz	2.5410 GHz	360.0 kHz	2.540060000 GHz	-39.35 dBm	-29.35 dB
7	7	2.5410 GHz	2.5450 GHz	1.000 MHz	2.541000000 GHz	-35.39 dBm	-25.39 dB
8	8	2.5450 GHz	2.5800 GHz	1.000 MHz	2.546400000 GHz	-36.69 dBm	-23.69 dB
9	9	2.5800 GHz	2.5900 GHz	1.000 MHz	2.582500000 GHz	-39.90 dBm	-14.90 dB

Plot 7-299. Lower ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4850 GHz	1.000 MHz	2.484800000 GHz	-43.32 dBm	-18.32 dB
2	2	2.4850 GHz	2.5200 GHz	1.000 MHz	2.520000000 GHz	-34.01 dBm	-21.01 dB
3	3	2.5200 GHz	2.5240 GHz	1.000 MHz	2.523840000 GHz	-32.89 dBm	-22.89 dB
4	4	2.5240 GHz	2.5250 GHz	360.0 kHz	2.524930000 GHz	-36.82 dBm	-26.82 dB
5	5	2.5250 GHz	2.5650 GHz	240.0 kHz	2.553192771 GHz	0.825 dBm	-24.18 dB
6	6	2.5650 GHz	2.5660 GHz	360.0 kHz	2.565160000 GHz	-38.39 dBm	-28.39 dB
7	7	2.5660 GHz	2.5700 GHz	1.000 MHz	2.566720000 GHz	-34.35 dBm	-24.35 dB
8	8	2.5700 GHz	2.6050 GHz	1.000 MHz	2.570700000 GHz	-34.96 dBm	-21.96 dB
9	9	2.6050 GHz	2.6150 GHz	1.000 MHz	2.614700000 GHz	-45.17 dBm	-20.17 dB

Plot 7-300. Middle ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

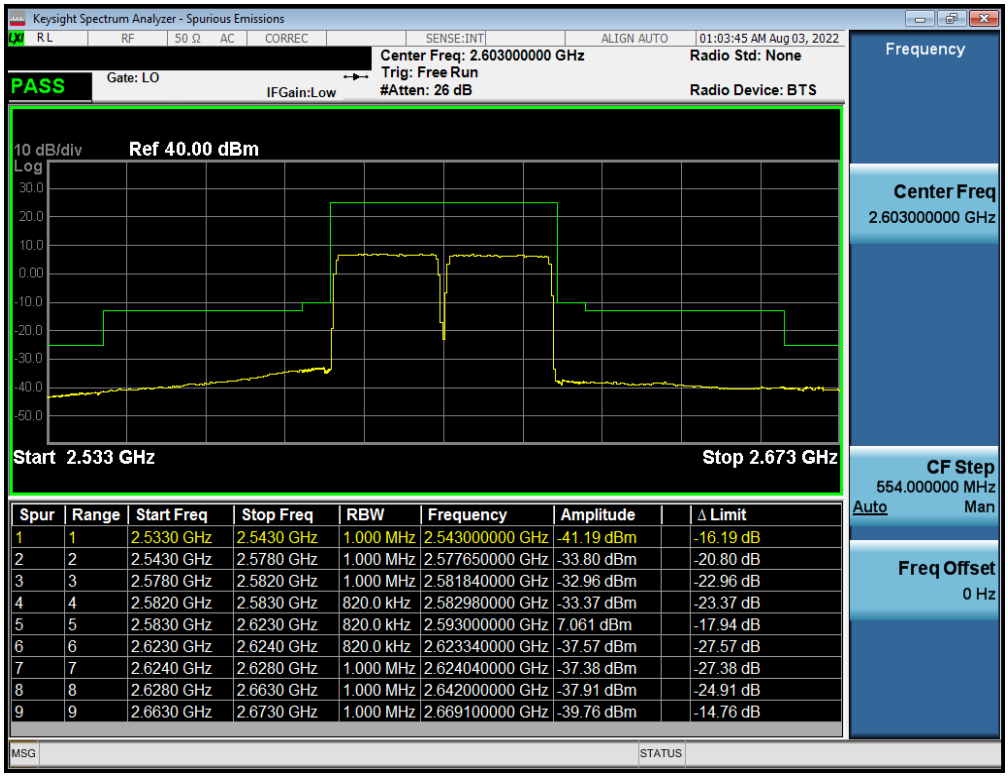
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4800 GHz	2.4900 GHz	1.000 MHz	2.489500000 GHz	-40.41 dBm	-15.41 dB
2	2	2.4900 GHz	2.5250 GHz	1.000 MHz	2.525000000 GHz	-33.39 dBm	-20.39 dB
3	3	2.5250 GHz	2.5290 GHz	1.000 MHz	2.528840000 GHz	-32.25 dBm	-22.25 dB
4	4	2.5290 GHz	2.5300 GHz	820.0 kHz	2.529940000 GHz	-32.59 dBm	-22.59 dB
5	5	2.5300 GHz	2.5700 GHz	820.0 kHz	2.552000000 GHz	5.579 dBm	-19.42 dB
6	6	2.5700 GHz	2.5710 GHz	820.0 kHz	2.570050000 GHz	-31.91 dBm	-21.91 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571560000 GHz	-32.13 dBm	-22.13 dB
8	8	2.5750 GHz	2.6100 GHz	1.000 MHz	2.575700000 GHz	-33.06 dBm	-20.06 dB
9	9	2.6100 GHz	2.6200 GHz	1.000 MHz	2.616500000 GHz	-45.01 dBm	-20.01 dB

Plot 7-301. Upper ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

ULCA - LTE Band 41

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4560 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-36.67 dBm	-11.67 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494820000 GHz	-34.91 dBm	-21.91 dB
3	3	2.4950 GHz	2.4960 GHz	430.0 kHz	2.495980000 GHz	-37.55 dBm	-24.55 dB
4	4	2.4960 GHz	2.5360 GHz	430.0 kHz	2.523027027 GHz	4.362 dBm	-20.64 dB
5	5	2.5360 GHz	2.5370 GHz	430.0 kHz	2.536350000 GHz	-38.32 dBm	-28.32 dB
6	6	2.5370 GHz	2.5410 GHz	1.000 MHz	2.538680000 GHz	-35.16 dBm	-25.16 dB
7	7	2.5410 GHz	2.5739 GHz	1.000 MHz	2.541329000 GHz	-35.62 dBm	-22.62 dB
8	8	2.5739 GHz	2.5760 GHz	1.000 MHz	2.575622000 GHz	-38.89 dBm	-13.89 dB

Plot 7-302. Lower ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5330 GHz	2.5430 GHz	1.000 MHz	2.543000000 GHz	-41.19 dBm	-16.19 dB
2	2	2.5430 GHz	2.5780 GHz	1.000 MHz	2.577650000 GHz	-33.80 dBm	-20.80 dB
3	3	2.5780 GHz	2.5820 GHz	1.000 MHz	2.581840000 GHz	-32.96 dBm	-22.96 dB
4	4	2.5820 GHz	2.5830 GHz	820.0 kHz	2.582980000 GHz	-33.37 dBm	-23.37 dB
5	5	2.5830 GHz	2.6230 GHz	820.0 kHz	2.593000000 GHz	7.061 dBm	-17.94 dB
6	6	2.6230 GHz	2.6240 GHz	820.0 kHz	2.623340000 GHz	-37.57 dBm	-27.57 dB
7	7	2.6240 GHz	2.6280 GHz	1.000 MHz	2.624040000 GHz	-37.38 dBm	-27.38 dB
8	8	2.6280 GHz	2.6630 GHz	1.000 MHz	2.642000000 GHz	-37.91 dBm	-24.91 dB
9	9	2.6630 GHz	2.6730 GHz	1.000 MHz	2.669100000 GHz	-39.76 dBm	-14.76 dB

Plot 7-303. Middle ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6000 GHz	2.6100 GHz	1.000 MHz	2.609800000 GHz	-38.80 dBm	-13.80 dB
2	2	2.6100 GHz	2.6450 GHz	1.000 MHz	2.643950000 GHz	-30.69 dBm	-17.69 dB
3	3	2.6450 GHz	2.6490 GHz	1.000 MHz	2.648200000 GHz	-29.69 dBm	-19.69 dB
4	4	2.6490 GHz	2.6500 GHz	820.0 kHz	2.650000000 GHz	-30.41 dBm	-20.41 dB
5	5	2.6500 GHz	2.6900 GHz	820.0 kHz	2.681600000 GHz	7.367 dBm	-17.63 dB
6	6	2.6900 GHz	2.6910 GHz	820.0 kHz	2.690220000 GHz	-34.80 dBm	-24.80 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691560000 GHz	-34.35 dBm	-24.35 dB
8	8	2.6950 GHz	2.7300 GHz	1.000 MHz	2.696050000 GHz	-35.68 dBm	-22.68 dB
9	9	2.7300 GHz	2.7400 GHz	1.000 MHz	2.730200000 GHz	-42.53 dBm	-17.53 dB

Plot 7-304. Upper ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

7.5 Additional Maximum Power Reduction (A-MPR)

§2.1046

Test Overview

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

Test Procedure Used

KDB 971168 D01 v03

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below

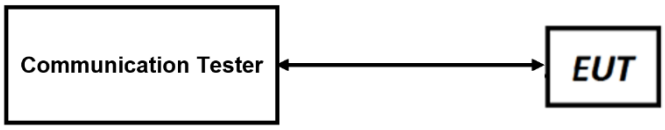


Figure 7-4. Conducted Power Measurement Setup

Test Notes

None.

Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	1	0	3	QPSK	0	25.80	24.7	**1.10**
										16-QAM	1	25.29	23.7	**1.59**
										64-QAM	2	24.44	22.7	**1.74**
										256-QAM	4	23.49	20.7	**2.79**
2				5	39675	2498.5	1	9	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.41	26.7	**1.71**
										64-QAM	2	27.55	25.7	**1.85**
										256-QAM	4	24.38	23.7	**0.68**
3				10	39700	2501	1	0	5	QPSK	0	23.81	22.7	**1.11**
										16-QAM	1	23.33	21.7	**1.63**
										64-QAM	2	22.38	20.7	**1.68**
										256-QAM	4	19.23	18.7	**0.53**
4				10	39700	2501	20	0	2	QPSK	0	26.15	25.7	**0.45**
										16-QAM	1	25.43	24.7	**0.73**
										64-QAM	2	24.42	23.7	**0.72**
										256-QAM	4	22.36	21.7	**0.66**
5				10	39700	2501	50	0	3	QPSK	0	25.30	24.7	**0.60**
										16-QAM	1	24.33	23.7	**0.63**
										64-QAM	2	23.28	22.7	**0.58**
										256-QAM	4	21.36	20.7	**0.66**
6				10	39700	2501	25	20	1	QPSK	0	27.30	26.7	**0.60**
										16-QAM	1	26.28	25.7	**0.58**
										64-QAM	2	25.38	24.7	**0.68**
										256-QAM	4	24.32	22.7	**1.62**
7				10	39700	2501	1	36	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.32	26.7	**1.62**
										64-QAM	2	27.46	25.7	**1.76**
										256-QAM	4	24.22	23.7	**0.52**
8				15	39725	2503.5	1	0	5	QPSK	0	23.53	22.7	**0.83**
										16-QAM	1	22.94	21.7	**1.24**
										64-QAM	2	22.04	20.7	**1.34**
										256-QAM	4	19.08	18.7	**0.38**
9				15	39725	2503.5	20	0	2	QPSK	0	26.10	25.7	**0.40**
										16-QAM	1	25.15	24.7	**0.45**
										64-QAM	2	24.17	23.7	**0.47**
										256-QAM	4	22.18	21.7	**0.48**
10				15	39725	2503.5	75	0	4	QPSK	0	24.25	23.7	**0.55**
										16-QAM	1	23.22	22.7	**0.52**
										64-QAM	2	22.25	21.7	**0.55**
										256-QAM	4	20.26	19.7	**0.56**
11				15	39725	2503.5	50	15	3	QPSK	0	25.23	24.7	**0.53**
										16-QAM	1	24.26	23.7	**0.56**
										64-QAM	2	23.22	22.7	**0.52**
										256-QAM	4	21.18	20.7	**0.48**
12				15	39725	2503.5	1	60	0	QPSK	0	28.69	27.7	**0.99**
										16-QAM	1	28.28	26.7	**1.58**
										64-QAM	2	27.44	25.7	**1.74**
										256-QAM	4	24.06	23.7	**0.36**
13				20	39750	2506	1	0	5	QPSK	0	23.49	22.7	**0.79**
										16-QAM	1	23.12	21.7	**1.42**
										64-QAM	2	21.97	20.7	**1.27**
										256-QAM	4	19.13	18.7	**0.43**
14				20	39750	2506	20	0	2	QPSK	0	26.06	25.7	**0.36**
										16-QAM	1	25.13	24.7	**0.43**
										64-QAM	2	24.13	23.7	**0.43**
										256-QAM	4	22.08	21.7	**0.38**
15				20	39750	2506	100	0	4	QPSK	0	24.08	23.7	**0.38**
										16-QAM	1	23.20	22.7	**0.50**
										64-QAM	2	22.18	21.7	**0.48**
										256-QAM	4	20.08	19.7	**0.38**
16				20	39750	2506	75	24	3	QPSK	0	25.06	24.7	**0.36**
										16-QAM	1	24.26	23.7	**0.56**
										64-QAM	2	23.15	22.7	**0.45**
										256-QAM	4	21.11	20.7	**0.41**
17				20	39750	2506	1	77	0	QPSK	0	28.54	27.7	**0.84**
										16-QAM	1	28.25	26.7	**1.55**
										64-QAM	2	27.33	25.7	**1.63**
										256-QAM	4	24.05	23.7	**0.35**
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.77	24.7	**1.07**
										16-QAM	1	25.41	23.7	**1.71**
										64-QAM	2	24.45	22.7	**1.75**
										256-QAM	4	21.20	20.7	**0.50**
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.41	26.7	**1.71**
										64-QAM	2	27.33	25.7	**1.63**
										256-QAM	4	24.22	23.7	**0.52**

Table 7-2. A-MPR Conducted Power Measurements

7.6 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

EIRP = PMeas – LC + GT

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

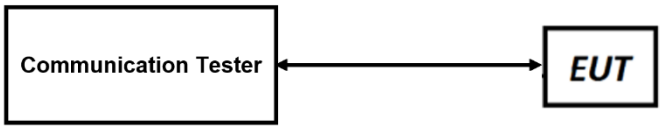


Figure 7-5. EIRP Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.

2. This unit was tested with its standard battery.

3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.

4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.

6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.

7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

7.6.1 Antenna 4b – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-0.30	1 / 12	23.30	**23.00**	0.200	23.98	-0.98
		2310.0	-0.30	1 / 12	22.96	22.66	0.185	23.98	-1.32
		2312.5	-0.30	1 / 12	22.76	22.46	0.176	23.98	-1.52
	16-QAM	2307.5	-0.30	1 / 12	22.22	21.92	0.156	23.98	-2.06
	64-QAM	2310.0	-0.30	1 / 0	21.31	21.01	0.126	23.98	-2.97
	256-QAM	2312.5	-0.30	1 / 0	18.23	17.93	0.062	23.98	-6.05
10 MHz	QPSK	2310.0	-0.30	1 / 0	23.30	**23.00**	0.200	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 0	22.54	22.24	0.167	23.98	-1.74
	64-QAM	2310.0	-0.30	1 / 0	21.83	21.53	0.142	23.98	-2.45
	256-QAM	2310.0	-0.30	1 / 25	18.15	17.85	0.061	23.98	-6.13

Table 7-3. Antenna 4b EIRP Data (LTE Band 30)

LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	0.20	1 / 0	25.61	**25.81**	0.381	33.01	-7.20
		2535.0	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
		2567.5	0.20	1 / 12	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2502.5	0.20	1 / 0	24.69	24.89	0.308	33.01	-8.12
	64-QAM	2567.5	0.20	1 / 24	23.97	24.17	0.261	33.01	-8.84
	256-QAM	2567.5	0.20	1 / 24	20.91	21.11	0.129	33.01	-11.90
10 MHz	QPSK	2505.0	0.20	1 / 0	25.56	25.76	0.377	33.01	-7.25
		2535.0	0.20	1 / 49	25.08	25.28	0.337	33.01	-7.73
		2565.0	0.20	1 / 49	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2565.0	0.20	1 / 49	24.75	24.95	0.313	33.01	-8.06
	64-QAM	2565.0	0.20	1 / 49	23.81	24.01	0.252	33.01	-9.00
	256-QAM	2505.0	0.20	1 / 0	20.77	20.97	0.125	33.01	-12.04
15 MHz	QPSK	2507.5	0.20	1 / 0	25.39	25.59	0.362	33.01	-7.42
		2535.0	0.20	1 / 74	25.29	25.49	0.354	33.01	-7.52
		2562.5	0.20	1 / 74	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2562.5	0.20	1 / 74	24.79	24.99	0.316	33.01	-8.02
	64-QAM	2562.5	0.20	1 / 74	23.94	24.14	0.259	33.01	-8.87
	256-QAM	2562.5	0.20	1 / 74	21.21	21.41	0.138	33.01	-11.60
20 MHz	QPSK	2510.0	0.20	1 / 0	25.22	25.42	0.348	33.01	-7.59
		2535.0	0.20	1 / 99	24.89	25.09	0.323	33.01	-7.92
		2560.0	0.20	1 / 99	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2560.0	0.20	1 / 50	24.90	25.10	0.324	33.01	-7.91
	64-QAM	2560.0	0.20	1 / 99	23.84	24.04	0.254	33.01	-8.97
	256-QAM	2510.0	0.20	1 / 50	20.85	21.05	0.127	33.01	-11.96

Table 7-4. Antenna 4b EIRP Data (LTE Band 7)

LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	27.63	**27.23**	0.528	33.01	-5.78
		2593.0	-0.40	1 / 12	27.27	26.87	0.486	33.01	-6.14
		2687.5	-0.40	1 / 12	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2687.5	-0.40	1 / 12	27.33	26.93	0.493	33.01	-6.08
	64-QAM	2687.5	-0.40	1 / 24	26.29	25.89	0.388	33.01	-7.12
	256-QAM	2687.5	-0.40	1 / 12	23.45	23.05	0.202	33.01	-9.96
10 MHz	QPSK	2501.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.01
		2593.0	-0.40	1 / 25	27.34	26.94	0.494	33.01	-6.07
		2685.0	-0.40	1 / 49	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2685.0	-0.40	1 / 0	27.11	26.71	0.469	33.01	-6.30
	64-QAM	2685.0	-0.40	1 / 25	25.90	25.50	0.355	33.01	-7.51
	256-QAM	2685.0	-0.40	1 / 25	23.31	22.91	0.195	33.01	-10.10
15 MHz	QPSK	2503.5	-0.40	1 / 74	27.51	27.11	0.514	33.01	-5.90
		2593.0	-0.40	1 / 37	27.41	27.01	0.502	33.01	-6.00
		2682.5	-0.40	1 / 37	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2682.5	-0.40	1 / 37	27.25	26.85	0.484	33.01	-6.16
	64-QAM	2682.5	-0.40	1 / 37	26.20	25.80	0.380	33.01	-7.21
	256-QAM	2682.5	-0.40	1 / 37	23.27	22.87	0.194	33.01	-10.14
20 MHz	QPSK	2506.0	-0.40	1 / 99	27.36	26.96	0.497	33.01	-6.05
		2593.0	-0.40	1 / 99	27.26	26.86	0.485	33.01	-6.15
		2680.0	-0.40	1 / 50	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2680.0	-0.40	1 / 50	27.31	26.91	0.491	33.01	-6.10
	64-QAM	2680.0	-0.40	1 / 50	26.17	25.77	0.378	33.01	-7.24
	256-QAM	2680.0	-0.40	1 / 50	23.00	22.60	0.182	33.01	-10.41

Table 7-5. Antenna 4b EIRP Data (LTE Band 41(PC2))

LTE Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 24	25.53	**25.13**	0.326	33.01	-7.88
		2593.0	-0.40	1 / 12	25.49	25.09	0.323	33.01	-7.92
		2687.5	-0.40	1 / 24	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2687.5	-0.40	1 / 12	25.25	24.85	0.305	33.01	-8.16
	64-QAM	2687.5	-0.40	1 / 12	24.33	23.93	0.247	33.01	-9.08
	256-QAM	2687.5	-0.40	1 / 0	21.36	20.96	0.125	33.01	-12.05
10 MHz	QPSK	2501.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
		2593.0	-0.40	1 / 25	25.54	25.14	0.327	33.01	-7.87
		2685.0	-0.40	1 / 25	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2685.0	-0.40	1 / 25	25.18	24.78	0.301	33.01	-8.23
	64-QAM	2593.0	-0.40	1 / 25	24.07	23.67	0.233	33.01	-9.34
	256-QAM	2685.0	-0.40	1 / 25	21.33	20.93	0.124	33.01	-12.08
15 MHz	QPSK	2503.5	-0.40	1 / 74	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 37	25.54	25.14	0.327	33.01	-7.87
		2682.5	-0.40	1 / 37	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2682.5	-0.40	1 / 74	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2593.0	-0.40	1 / 37	24.03	23.63	0.231	33.01	-9.38
	256-QAM	2682.5	-0.40	1 / 37	21.30	20.90	0.123	33.01	-12.11
20 MHz	QPSK	2506.0	-0.40	1 / 99	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 99	25.31	24.91	0.310	33.01	-8.10
		2680.0	-0.40	1 / 50	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2680.0	-0.40	1 / 50	25.26	24.86	0.306	33.01	-8.15
	64-QAM	2680.0	-0.40	1 / 99	23.98	23.58	0.228	33.01	-9.43
	256-QAM	2680.0	-0.40	1 / 50	21.24	20.84	0.121	33.01	-12.17

Table 7-6. Antenna 4b EIRP Data (LTE Band 41(PC3))

NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-0.30	1 / 23	23.14	**22.84**	0.192	23.98	-1.14
		2310.0	-0.30	1 / 23	23.30	**23.00**	0.200	23.98	-0.98
		2312.5	-0.30	1 / 12	23.19	22.89	0.195	23.98	-1.08
	QPSK	2307.5	-0.30	1 / 23	23.20	22.90	0.195	23.98	-1.08
		2310.0	-0.30	1 / 1	22.99	22.69	0.186	23.98	-1.28
		2312.5	-0.30	1 / 1	22.91	22.61	0.182	23.98	-1.37
	16-QAM	2310.0	-0.30	1 / 23	22.70	22.40	0.174	23.98	-1.58
	64-QAM	2307.5	-0.30	1 / 12	21.04	20.74	0.119	23.98	-3.23
	256-QAM	2307.5	-0.30	1 / 12	18.80	18.50	0.071	23.98	-5.47
10 MHz	π/2 BPSK	2310.0	-0.30	1 / 50	23.30	**23.00**	0.200	23.98	-0.98
	QPSK	2310.0	-0.30	1 / 25	23.30	23.00	0.199	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 25	22.69	22.39	0.174	23.98	-1.58
	64-QAM	2310.0	-0.30	1 / 25	20.70	20.40	0.110	23.98	-3.58
	256-QAM	2310.0	-0.30	1 / 1	18.75	18.45	0.070	23.98	-5.53

Table 7-7. Antenna 4b EIRP Data (NR Band n30)

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	0.20	1 / 23	25.41	**25.61**	0.364	33.01	-7.40
		2535.0	0.20	1 / 23	25.25	25.45	0.351	33.01	-7.56
		2567.5	0.20	1 / 23	25.09	25.29	0.338	33.01	-7.72
	QPSK	2502.5	0.20	1 / 23	25.21	25.41	0.348	33.01	-7.60
		2535.0	0.20	1 / 12	25.70	**25.90**	0.389	33.01	-7.11
		2567.5	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
	16-QAM	2502.5	0.20	1 / 23	25.17	25.37	0.344	33.01	-7.64
	64-QAM	2535.0	0.20	1 / 12	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2535.0	0.20	1 / 12	20.97	21.17	0.131	33.01	-11.84
10 MHz	π/2 BPSK	2505.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 25	25.37	25.57	0.361	33.01	-7.44
		2565.0	0.20	1 / 50	25.54	25.74	0.375	33.01	-7.27
	QPSK	2505.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2535.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2565.0	0.20	1 / 50	25.51	25.71	0.372	33.01	-7.31
	16-QAM	2505.0	0.20	1 / 1	24.95	25.15	0.327	33.01	-7.86
	64-QAM	2505.0	0.20	1 / 50	23.46	23.66	0.232	33.01	-9.35
	256-QAM	2505.0	0.20	1 / 50	21.38	21.58	0.144	33.01	-11.43
15 MHz	π/2 BPSK	2507.5	0.20	1 / 73	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.54	25.74	0.375	33.01	-7.27
		2562.5	0.20	1 / 37	25.53	25.73	0.374	33.01	-7.28
	QPSK	2507.5	0.20	1 / 73	25.49	25.69	0.370	33.01	-7.32
		2535.0	0.20	1 / 37	25.62	25.82	0.382	33.01	-7.19
		2562.5	0.20	1 / 73	25.51	25.71	0.372	33.01	-7.30
	16-QAM	2507.5	0.20	1 / 1	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2562.5	0.20	1 / 1	23.20	23.40	0.219	33.01	-9.61
	256-QAM	2562.5	0.20	1 / 37	21.20	21.40	0.138	33.01	-11.61
20 MHz	π/2 BPSK	2510.0	0.20	1 / 1	25.51	25.71	0.372	33.01	-7.30
		2535.0	0.20	1 / 98	25.27	25.47	0.353	33.01	-7.54
		2560.0	0.20	1 / 50	25.44	25.64	0.367	33.01	-7.37
	QPSK	2510.0	0.20	1 / 50	25.48	25.68	0.370	33.01	-7.33
		2535.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2560.0	0.20	1 / 1	25.28	25.48	0.353	33.01	-7.53
	16-QAM	2535.0	0.20	1 / 98	24.85	25.05	0.320	33.01	-7.96
	64-QAM	2510.0	0.20	1 / 50	23.19	23.39	0.218	33.01	-9.62
	256-QAM	2510.0	0.20	1 / 1	20.87	21.07	0.128	33.01	-11.94
25 MHz	π/2 BPSK	2512.5	0.20	1 / 1	25.62	25.82	0.382	33.01	-7.19
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2557.5	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
	QPSK	2512.5	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 131	25.28	25.48	0.353	33.01	-7.53
		2557.5	0.20	1 / 1	25.56	25.76	0.377	33.01	-7.25
	16-QAM	2512.5	0.20	1 / 131	24.99	25.19	0.330	33.01	-7.82
	64-QAM	2557.5	0.20	1 / 131	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2512.5	0.20	1 / 66	20.87	21.07	0.128	33.01	-11.94
30 MHz	π/2 BPSK	2515.0	0.20	1 / 158	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 80	25.39	25.59	0.362	33.01	-7.42
		2555.0	0.20	1 / 80	25.26	25.46	0.351	33.01	-7.55
	QPSK	2515.0	0.20	1 / 80	25.31	25.51	0.356	33.01	-7.50
		2535.0	0.20	1 / 80	25.68	25.88	0.388	33.01	-7.13
		2555.0	0.20	1 / 80	25.25	25.45	0.351	33.01	-7.56
	16-QAM	2535.0	0.20	1 / 80	24.91	25.11	0.324	33.01	-7.90
	64-QAM	2535.0	0.20	1 / 80	23.42	23.62	0.230	33.01	-9.39
	256-QAM	2535.0	0.20	1 / 80	21.21	21.41	0.138	33.01	-11.60
40 MHz	π/2 BPSK	2520.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2550.0	0.20	1 / 108	25.32	25.52	0.356	33.01	-7.50
	QPSK	2520.0	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2550.0	0.20	1 / 1	25.44	25.64	0.366	33.01	-7.37
	16-QAM	2520.0	0.20	1 / 108	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2535.0	0.20	1 / 108	22.96	23.16	0.207	33.01	-9.85
	256-QAM	2535.0	0.20	1 / 108	20.99	21.19	0.132	33.01	-11.82

Table 7-8. Antenna 4b EIRP Data (NR Band n7)

NR Band n41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-0.40	1 / 25	26.85	26.45	0.442	33.01	-6.56
		2593.0	-0.40	1 / 1	27.45	**27.05**	0.507	33.01	-5.96
		2680.0	-0.40	1 / 49	27.31	26.91	0.491	33.01	-6.10
	QPSK	2506.0	-0.40	1 / 25	26.40	26.00	0.398	33.01	-7.01
		2593.0	-0.40	1 / 25	26.93	26.53	0.450	33.01	-6.48
		2680.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.02
	16-QAM	2510.0	-0.40	1 / 25	26.81	**26.41**	0.437	33.01	-6.60
	64-QAM	2593.0	-0.40	1 / 25	25.23	24.83	0.304	33.01	-8.18
	256-QAM	2680.0	-0.40	1 / 25	23.05	22.65	0.184	33.01	-10.36
30 MHz	π/2 BPSK	2511.0	-0.40	1 / 39	26.82	26.42	0.439	33.01	-6.59
		2593.0	-0.40	1 / 76	27.42	27.02	0.503	33.01	-5.99
		2675.0	-0.40	1 / 39	27.11	26.71	0.468	33.01	-6.30
	QPSK	2511.0	-0.40	1 / 39	26.35	25.95	0.394	33.01	-7.06
		2593.0	-0.40	1 / 76	26.99	26.59	0.456	33.01	-6.42
		2675.0	-0.40	1 / 39	27.48	**27.08**	0.510	33.01	-5.93
	16-QAM	2593.0	-0.40	1 / 39	26.79	26.39	0.435	33.01	-6.62
	64-QAM	2515.0	-0.40	1 / 39	25.29	**24.89**	0.308	33.01	-8.12
	256-QAM	2593.0	-0.40	1 / 39	22.95	22.55	0.180	33.01	-10.46
40 MHz	π/2 BPSK	2516.0	-0.40	1 / 53	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 53	27.46	27.06	0.508	33.01	-5.95
		2670.0	-0.40	1 / 53	27.63	**27.23**	0.529	33.01	-5.78
	QPSK	2516.0	-0.40	1 / 53	26.53	26.13	0.410	33.01	-6.88
		2593.0	-0.40	1 / 53	27.54	27.14	0.518	33.01	-5.87
		2670.0	-0.40	1 / 53	27.17	26.77	0.475	33.01	-6.25
	16-QAM	2593.0	-0.40	1 / 53	26.80	26.40	0.437	33.01	-6.61
	64-QAM	2670.0	-0.40	1 / 53	25.49	25.09	0.323	33.01	-7.92
	256-QAM	2670.0	-0.40	1 / 53	23.42	23.02	0.200	33.01	-9.99
50 MHz	π/2 BPSK	2521.0	-0.40	1 / 66	26.94	26.54	0.451	33.01	-6.47
		2593.0	-0.40	1 / 66	27.70	**27.30**	0.537	33.01	-5.71
		2665.0	-0.40	1 / 66	26.98	26.58	0.455	33.01	-6.43
	QPSK	2521.0	-0.40	1 / 66	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 66	26.26	25.86	0.386	33.01	-7.15
		2665.0	-0.40	1 / 66	26.01	25.61	0.364	33.01	-7.40
	16-QAM	2665.0	-0.40	1 / 66	25.73	25.33	0.341	33.01	-7.68
	64-QAM	2521.0	-0.40	1 / 66	24.51	24.11	0.257	33.01	-8.90
	256-QAM	2593.0	-0.40	1 / 66	22.80	22.40	0.174	33.01	-10.61
60 MHz	π/2 BPSK	2526.0	-0.40	1 / 81	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 81	27.70	**27.30**	0.537	33.01	-5.71
		2660.0	-0.40	1 / 1	27.55	27.15	0.519	33.01	-5.86
	QPSK	2526.0	-0.40	1 / 81	25.81	25.41	0.347	33.01	-7.60
		2593.0	-0.40	1 / 81	27.33	26.93	0.494	33.01	-6.08
		2660.0	-0.40	1 / 1	26.79	26.39	0.436	33.01	-6.62
	16-QAM	2593.0	-0.40	1 / 81	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2526.0	-0.40	1 / 81	24.69	24.29	0.269	33.01	-8.72
	256-QAM	2526.0	-0.40	1 / 81	23.05	22.65	0.184	33.01	-10.36
70 MHz	π/2 BPSK	2531.0	-0.40	1 / 90	27.00	26.60	0.457	33.01	-6.41
		2593.0	-0.40	1 / 90	27.46	27.06	0.508	33.01	-5.95
		2655.0	-0.40	1 / 1	27.75	**27.35**	0.543	33.01	-5.66
	QPSK	2531.0	-0.40	1 / 90	25.78	25.38	0.346	33.01	-7.63
		2593.0	-0.40	1 / 90	26.85	26.45	0.442	33.01	-6.56
		2655.0	-0.40	1 / 1	26.98	26.58	0.455	33.01	-6.43
	16-QAM	2655.0	-0.40	1 / 1	25.93	25.53	0.357	33.01	-7.48
	64-QAM	2593.0	-0.40	1 / 90	24.63	24.23	0.265	33.01	-8.78
	256-QAM	2593.0	-0.40	1 / 90	22.92	22.52	0.179	33.01	-10.49
80 MHz	π/2 BPSK	2536.0	-0.40	1 / 108	26.81	26.41	0.438	33.01	-6.60
		2593.0	-0.40	1 / 108	27.23	26.83	0.482	33.01	-6.18
		2650.0	-0.40	1 / 108	27.51	**27.11**	0.513	33.01	-5.90
	QPSK	2536.0	-0.40	1 / 108	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 108	26.28	25.88	0.387	33.01	-7.13
		2650.0	-0.40	1 / 108	27.01	26.61	0.458	33.01	-6.40
	16-QAM	2593.0	-0.40	1 / 108	26.08	25.68	0.370	33.01	-7.33
	64-QAM	2593.0	-0.40	1 / 108	24.71	24.31	0.270	33.01	-8.70
	256-QAM	2536.0	-0.40	1 / 108	22.81	22.41	0.174	33.01	-10.60
90 MHz	π/2 BPSK	2541.0	-0.40	1 / 122	26.81	26.41	0.437	33.01	-6.60
		2593.0	-0.40	1 / 122	27.70	**27.30**	0.537	33.01	-5.71
		2645.0	-0.40	1 / 243	27.34	26.94	0.494	33.01	-6.07
	QPSK	2541.0	-0.40	1 / 122	25.43	25.03	0.319	33.01	-7.98
		2593.0	-0.40	1 / 122	26.45	26.05	0.403	33.01	-6.96
		2645.0	-0.40	1 / 243	26.76	26.36	0.432	33.01	-6.65
	16-QAM	2645.0	-0.40	1 / 1	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2541.0	-0.40	1 / 122	24.47	24.07	0.255	33.01	-8.94
	256-QAM	2645.0	-0.40	1 / 122	22.84	22.44	0.175	33.01	-10.57
100 MHz	π/2 BPSK	2546.0	-0.40	1 / 136	26.71	26.31	0.428	33.01	-6.70
		2593.0	-0.40	1 / 136	27.70	**27.30**	0.537	33.01	-5.71
		2640.0	-0.40	1 / 1	27.18	26.78	0.476	33.01	-6.23
	QPSK	2546.0	-0.40	1 / 271	25.47	25.07	0.321	33.01	-7.94
		2593.0	-0.40	1 / 136	26.27	25.87	0.386	33.01	-7.14
		2640.0	-0.40	1 / 136	26.77	26.37	0.434	33.01	-6.64
	16-QAM	2640.0	-0.40	1 / 1	26.26	25.86	0.385	33.01	-7.15
	64-QAM	2640.0	-0.40	1 / 1	24.50	24.10	0.257	33.01	-8.91
	256-QAM	2640.0	-0.40	1 / 1	22.65	22.25	0.168	33.01	-10.76

Table 7-9. Antenna 4b EIRP Data (NR Band n41 PC2)

NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2510.0	-0.40	1 / 25	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 25	25.59	25.19	0.331	33.01	-7.82
		2680.0	-0.40	1 / 25	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2510.0	-0.40	1 / 25	25.60	**25.20**	0.331	33.01	-7.81
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2680.0	-0.40	1 / 25	25.66	25.26	0.335	33.01	-7.75
	16-QAM	2593.0	-0.40	1 / 25	25.00	24.60	0.288	33.01	-8.41
	64-QAM	2593.0	-0.40	1 / 49	23.21	22.81	0.191	33.01	-10.20
	256-QAM	2593.0	-0.40	1 / 25	20.99	20.59	0.115	33.01	-12.42
30 MHz	π/2 BPSK	2515.0	-0.40	1 / 39	25.22	**24.82**	0.304	33.01	-8.19
		2593.0	-0.40	1 / 39	25.62	25.22	0.332	33.01	-7.80
		2675.0	-0.40	1 / 76	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2515.0	-0.40	1 / 39	25.04	**24.64**	0.291	33.01	-8.37
		2593.0	-0.40	1 / 39	25.34	24.94	0.312	33.01	-8.07
		2675.0	-0.40	1 / 39	25.51	25.11	0.324	33.01	-7.90
	16-QAM	2675.0	-0.40	1 / 39	24.80	24.40	0.276	33.01	-8.61
	64-QAM	2675.0	-0.40	1 / 76	23.00	22.60	0.182	33.01	-10.41
	256-QAM	2675.0	-0.40	1 / 39	20.81	20.41	0.110	33.01	-12.60
40 MHz	π/2 BPSK	2520.0	-0.40	1 / 53	25.51	25.11	0.324	33.01	-7.90
		2593.0	-0.40	1 / 1	25.46	25.06	0.321	33.01	-7.95
		2670.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2520.0	-0.40	1 / 53	25.46	**25.06**	0.321	33.01	-7.95
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2670.0	-0.40	1 / 53	25.64	25.24	0.334	33.01	-7.77
	16-QAM	2670.0	-0.40	1 / 1	25.03	24.63	0.291	33.01	-8.38
	64-QAM	2670.0	-0.40	1 / 53	23.35	22.95	0.197	33.01	-10.06
	256-QAM	2670.0	-0.40	1 / 53	21.09	20.69	0.117	33.01	-12.32
50 MHz	π/2 BPSK	2525.0	-0.40	1 / 66	25.20	**24.80**	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
	QPSK	2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
		2665.0	-0.40	1 / 1	25.33	24.93	0.311	33.01	-8.08
	16-QAM	2525.0	-0.40	1 / 131	24.84	**24.44**	0.278	33.01	-8.58
	64-QAM	2665.0	-0.40	1 / 131	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2665.0	-0.40	1 / 1	21.01	20.61	0.115	33.01	-12.40
60 MHz	π/2 BPSK	2530.0	-0.40	1 / 160	25.20	**24.80**	0.302	33.01	-8.21
		2593.0	-0.40	1 / 81	25.31	24.91	0.310	33.01	-8.10
		2660.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2530.0	-0.40	1 / 81	25.40	**25.00**	0.316	33.01	-8.01
		2593.0	-0.40	1 / 1	25.16	24.76	0.299	33.01	-8.25
		2660.0	-0.40	1 / 160	25.29	24.89	0.308	33.01	-8.12
	16-QAM	2660.0	-0.40	1 / 1	24.83	24.43	0.277	33.01	-8.58
	64-QAM	2530.0	-0.40	1 / 81	22.96	**22.56**	0.180	33.01	-10.45
	256-QAM	2660.0	-0.40	1 / 1	20.57	20.17	0.104	33.01	-12.84
70 MHz	π/2 BPSK	2535.0	-0.40	1 / 187	25.31	24.91	0.310	33.01	-8.10
		2593.0	-0.40	1 / 1	25.68	25.28	0.337	33.01	-7.73
		2655.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2535.0	-0.40	1 / 187	24.90	**24.50**	0.282	33.01	-8.51
		2593.0	-0.40	1 / 1	25.64	25.24	0.334	33.01	-7.77
		2655.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2655.0	-0.40	1 / 1	24.52	24.12	0.258	33.01	-8.89
	64-QAM	2655.0	-0.40	1 / 1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2655.0	-0.40	1 / 1	20.93	20.53	0.113	33.01	-12.48
80 MHz	π/2 BPSK	2540.0	-0.40	1 / 215	25.03	**24.63**	0.290	33.01	-8.38
		2593.0	-0.40	1 / 1	25.43	25.03	0.319	33.01	-7.98
		2650.0	-0.40	1 / 1	25.20	24.80	0.302	33.01	-8.22
	QPSK	2540.0	-0.40	1 / 215	24.91	**24.51**	0.283	33.01	-8.50
		2593.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
		2650.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2650.0	-0.40	1 / 215	24.70	24.30	0.269	33.01	-8.71
	64-QAM	2593.0	-0.40	1 / 215	22.98	22.58	0.181	33.01	-10.43
	256-QAM	2650.0	-0.40	1 / 108	20.72	20.32	0.108	33.01	-12.69
90 MHz	π/2 BPSK	2545.0	-0.40	1 / 243	25.32	**24.92**	0.310	33.01	-8.09
		2593.0	-0.40	1 / 1	25.39	24.99	0.315	33.01	-8.02
		2645.0	-0.40	1 / 122	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2545.0	-0.40	1 / 243	25.39	**24.99**	0.315	33.01	-8.02
		2593.0	-0.40	1 / 1	25.60	25.20	0.331	33.01	-7.81
		2645.0	-0.40	1 / 122	25.44	25.04	0.319	33.01	-7.97
	16-QAM	2645.0	-0.40	1 / 122	25.01	24.61	0.289	33.01	-8.40
	64-QAM	2645.0	-0.40	1 / 1	23.28	22.88	0.194	33.01	-10.13
	256-QAM	2645.0	-0.40	1 / 1	21.28	20.88	0.122	33.01	-12.13
100 MHz	π/2 BPSK	2550.0	-0.40	1 / 271	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
		2640.0	-0.40	1 / 136	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2550.0	-0.40	1 / 271	25.33	**24.93**	0.311	33.01	-8.08
		2593.0	-0.40	1 / 1	25.52	25.12	0.325	33.01	-7.89
		2640.0	-0.40	1 / 1	25.42	25.02	0.318	33.01	-7.99
	16-QAM	2640.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2640.0	-0.40	1 / 1	23.42	23.02	0.200	33.01	-9.99
	256-QAM	2640.0	-0.40	1 / 1	21.48	21.08	0.128	33.01	-11.93

Table 7-10. Antenna 4b EIRP Data (NR Band n41 PC3)

ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	25.66	0.20	25.86	0.385	33.01	-7.15
				21100	2535.0	1	99		21298	2554.8	1	0	25.51	0.20	25.71	0.372	33.01	-7.30
				21350	2560.0	1	0		21152	2540.2	1	99	25.67	0.20	**25.87**	0.386	33.01	-7.14
			QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	23.88	0.20	24.08	0.256	33.01	-8.93
			16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	22.85	0.20	**23.05**	0.202	33.01	-9.96
			64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	22.73	0.20	**22.93**	0.196	33.01	-10.08
			256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	20.73	0.20	**20.93**	0.124	33.01	-12.08

Table 7-11. Antenna 4b EIRP Data (ULCA LTE Band 7)

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	27.48	-0.40	27.08	0.511	33.01	-5.93
				40620	2593.0	1	99		40818	2612.8	1	0	27.59	-0.40	**27.19**	0.524	33.01	-5.82
				41490	2680.0	1	0		41292	2660.2	1	99	27.45	-0.40	27.05	0.507	33.01	-5.96
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	25.82	-0.40	25.42	0.348	33.01	-7.59
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	24.73	-0.40	**24.33**	0.271	33.01	-8.68
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	24.78	-0.40	**24.38**	0.274	33.01	-8.63
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	22.73	-0.40	**22.33**	0.171	33.01	-10.68

Table 7-12. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.55	-0.40	25.15	0.327	33.01	-7.86
				40620	2593.0	1	99		40818	2612.8	1	0	25.56	-0.40	**25.16**	0.328	33.01	-7.85
				41490	2680.0	1	0		41292	2660.2	1	99	25.42	-0.40	25.02	0.318	33.01	-7.99
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.83	-0.40	23.43	0.220	33.01	-9.58
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.76	-0.40	**22.36**	0.172	33.01	-10.65
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.86	-0.40	**22.46**	0.176	33.01	-10.55
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.79	-0.40	**20.39**	0.109	33.01	-12.62

Table 7-13. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC3))

7.6.2 Antenna 1 – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-2.10	1 / 12	22.07	19.97	0.099	23.98	-4.01
		2310.0	-2.10	1 / 12	22.20	**20.10**	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.12	20.02	0.100	23.98	-3.96
	16-QAM	2307.5	-2.10	1 / 0	21.26	19.16	0.082	23.98	-4.82
		2312.5	-2.10	1 / 12	21.26	19.16	0.082	23.98	-4.82
	64-QAM	2312.5	-2.10	1 / 12	20.38	18.28	0.067	23.98	-5.70
	256-QAM	2307.5	-2.10	1 / 0	17.35	15.25	0.033	23.98	-8.73
10 MHz	QPSK	2310.0	-2.10	1 / 0	22.20	**20.10**	0.102	23.98	-3.88
	16-QAM	2310.0	-2.10	1 / 49	21.21	19.11	0.081	23.98	-4.87
	64-QAM	2310.0	-2.10	1 / 0	20.34	18.24	0.067	23.98	-5.74
	256-QAM	2310.0	-2.10	1 / 25	17.40	15.30	0.034	23.98	-8.68

Table 7-14. Antenna 1 EIRP Data (LTE Band 30)

LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.30	1 / 12	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 12	22.03	**21.73**	0.149	33.01	-11.28
		2567.5	-0.30	1 / 12	21.82	21.52	0.142	33.01	-11.49
	16-QAM	2502.5	-0.30	1 / 24	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2567.5	-0.30	1 / 12	20.38	20.08	0.102	33.01	-12.93
	256-QAM	2502.5	-0.30	1 / 24	17.16	16.86	0.049	33.01	-16.15
10 MHz	QPSK	2505.0	-0.30	1 / 49	22.16	21.86	0.153	33.01	-11.15
		2535.0	-0.30	1 / 49	22.20	**21.90**	0.155	33.01	-11.11
		2565.0	-0.30	1 / 49	22.14	21.84	0.153	33.01	-11.17
	16-QAM	2535.0	-0.30	1 / 49	21.26	20.96	0.125	33.01	-12.05
	64-QAM	2565.0	-0.30	1 / 25	20.28	19.98	0.100	33.01	-13.03
	256-QAM	2535.0	-0.30	1 / 25	17.45	17.15	0.052	33.01	-15.86
15 MHz	QPSK	2507.5	-0.30	1 / 37	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 37	22.11	21.81	0.152	33.01	-11.20
		2562.5	-0.30	1 / 37	21.98	21.68	0.147	33.01	-11.33
	16-QAM	2507.5	-0.30	1 / 37	21.38	21.08	0.128	33.01	-11.93
	64-QAM	2507.5	-0.30	1 / 37	20.56	20.26	0.106	33.01	-12.75
	256-QAM	2535.0	-0.30	1 / 37	17.46	17.16	0.052	33.01	-15.85
20 MHz	QPSK	2510.0	-0.30	1 / 50	21.94	21.64	0.146	33.01	-11.37
		2535.0	-0.30	1 / 50	22.20	**21.90**	0.155	33.01	-11.11
		2560.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
	16-QAM	2535.0	-0.30	1 / 50	21.58	21.28	0.134	33.01	-11.73
	64-QAM	2535.0	-0.30	1 / 50	20.50	20.20	0.105	33.01	-12.81
	256-QAM	2510.0	-0.30	1 / 50	17.39	17.09	0.051	33.01	-15.92

Table 7-15. Antenna 1 EIRP Data (LTE Band 7)

LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 12	28.50	28.10	0.646	33.01	-4.91
		2687.5	-0.40	1 / 24	28.41	28.01	0.632	33.01	-5.00
	16-QAM	2593.0	-0.40	1 / 12	28.60	**28.20**	0.661	33.01	-4.81
	64-QAM	2593.0	-0.40	1 / 12	27.82	27.42	0.552	33.01	-5.59
	256-QAM	2593.0	-0.40	1 / 12	24.59	24.19	0.262	33.01	-8.82
10 MHz	QPSK	2501.0	-0.40	1 / 25	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 25	28.48	28.08	0.643	33.01	-4.93
		2685.0	-0.40	1 / 25	28.30	27.90	0.617	33.01	-5.11
	16-QAM	2593.0	-0.40	1 / 25	28.44	28.04	0.637	33.01	-4.97
	64-QAM	2593.0	-0.40	1 / 25	27.81	27.41	0.551	33.01	-5.60
	256-QAM	2593.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
15 MHz	QPSK	2503.5	-0.40	1 / 37	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 37	28.48	28.08	0.643	33.01	-4.93
		2682.5	-0.40	1 / 37	28.12	27.72	0.592	33.01	-5.29
	16-QAM	2593.0	-0.40	1 / 0	28.42	28.02	0.634	33.01	-4.99
	64-QAM	2593.0	-0.40	1 / 37	27.97	27.57	0.571	33.01	-5.44
	256-QAM	2593.0	-0.40	1 / 37	24.75	24.35	0.272	33.01	-8.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 50	28.50	28.10	0.646	33.01	-4.91
		2680.0	-0.40	1 / 99	28.43	28.03	0.635	33.01	-4.98
	16-QAM	2593.0	-0.40	1 / 50	28.82	**28.42**	0.695	33.01	-4.59
	64-QAM	2593.0	-0.40	1 / 50	27.62	27.22	0.527	33.01	-5.79
	256-QAM	2593.0	-0.40	1 / 50	24.68	24.28	0.268	33.01	-8.73

Table 7-16. Antenna 1 EIRP Data (LTE Band 41(PC2))