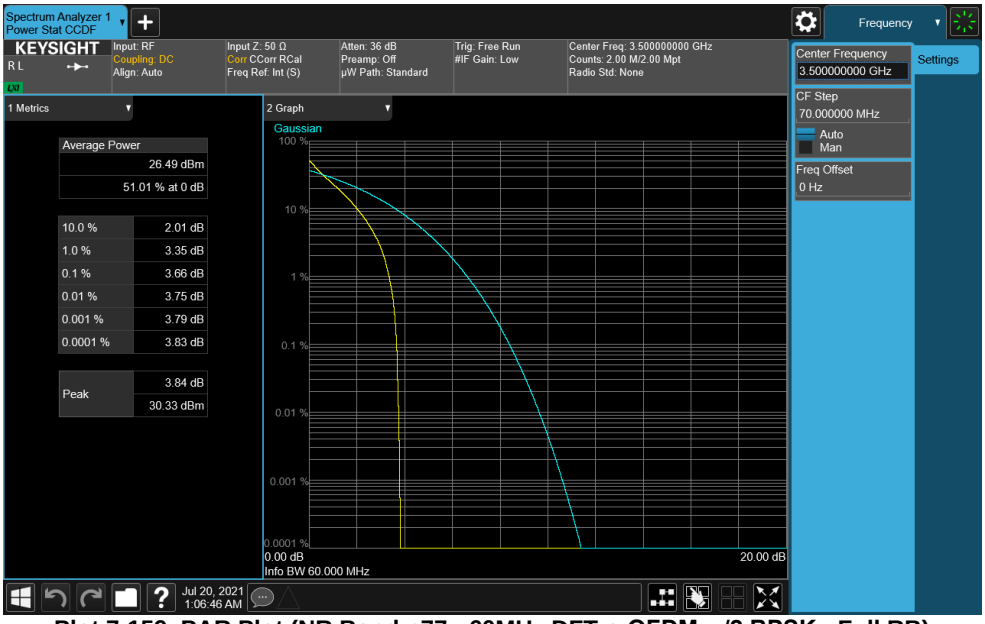
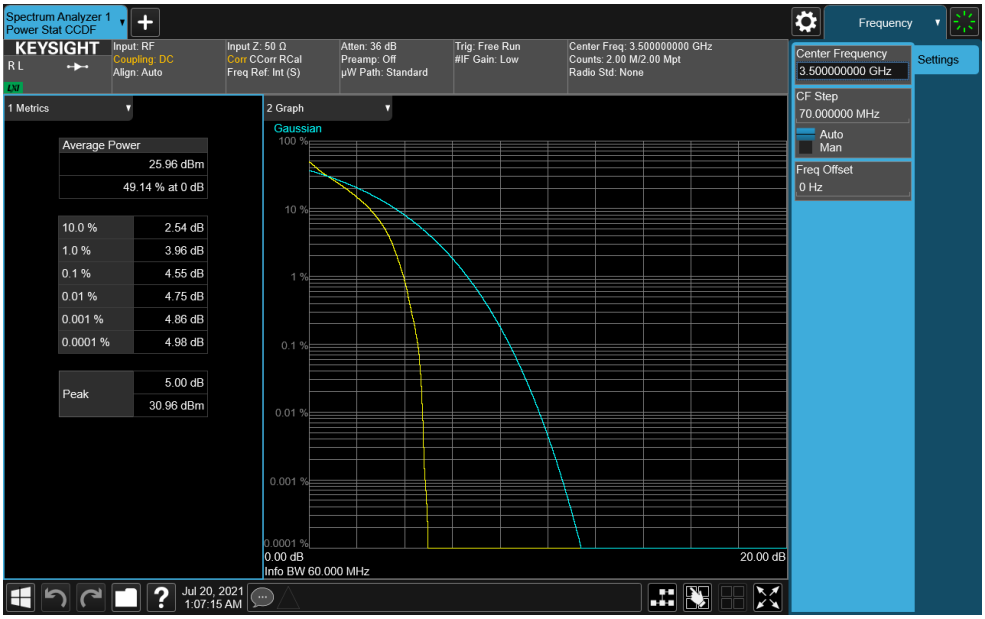
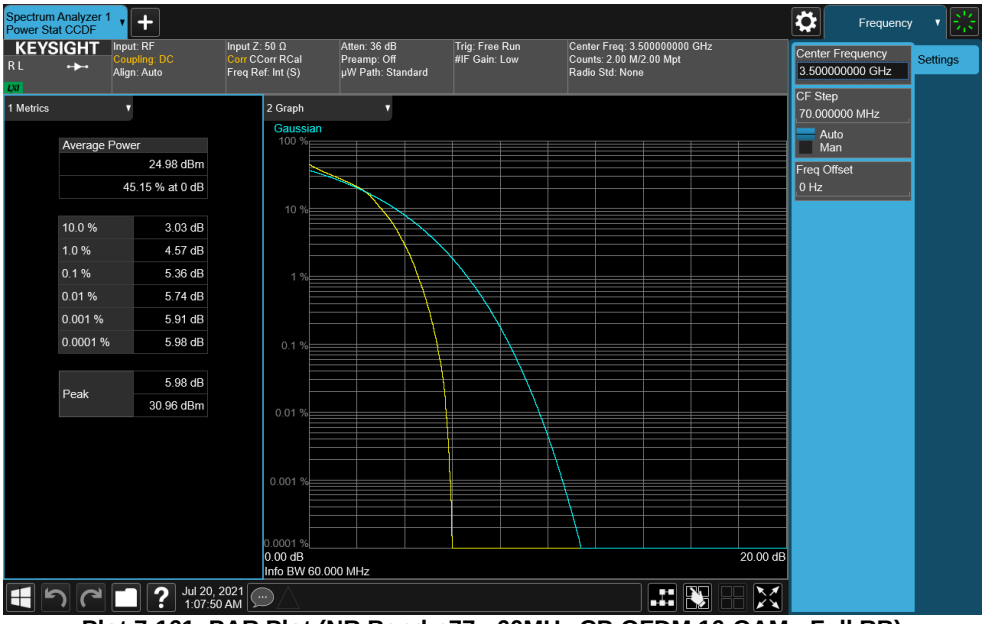


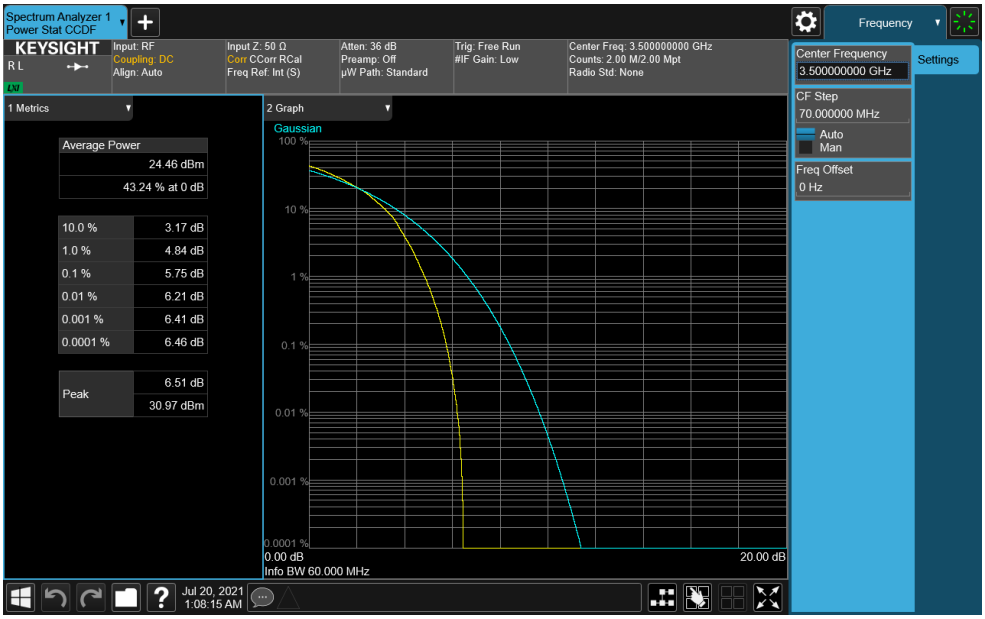
Plot 7-159. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM π/2 BPSK - Full RB)



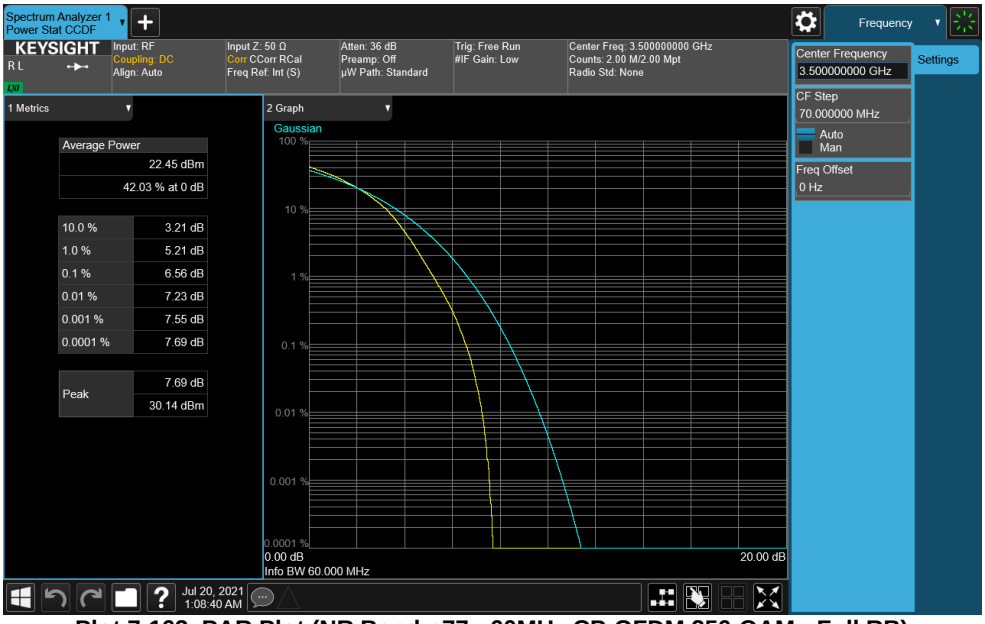
Plot 7-160. PAR Plot (NR Band n77 - 60MHz CP-OFDM QPSK - Full RB)



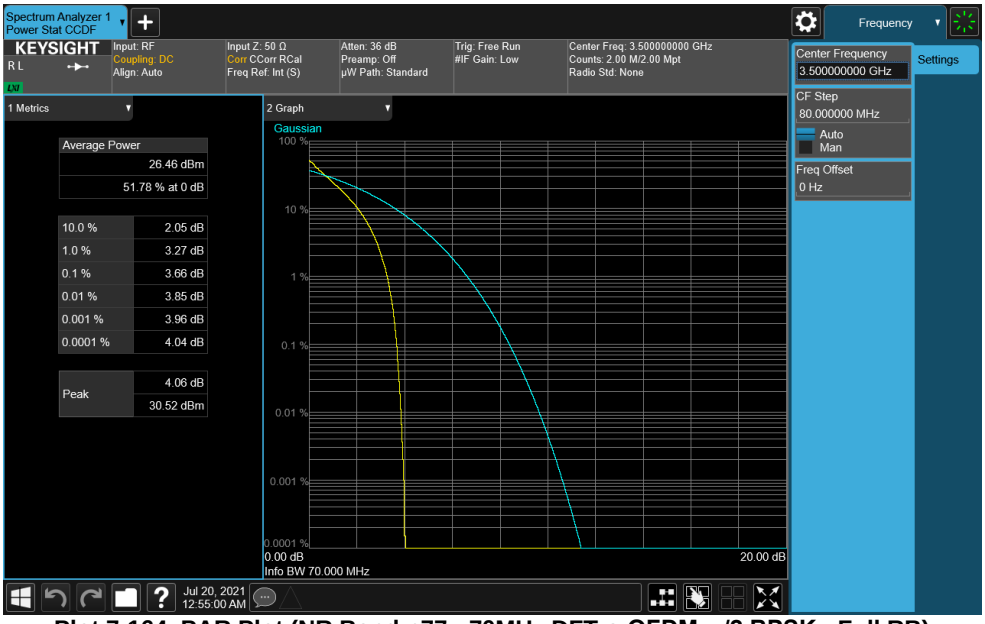
Plot 7-161. PAR Plot (NR Band n77 - 60MHz CP-OFDM 16-QAM - Full RB)



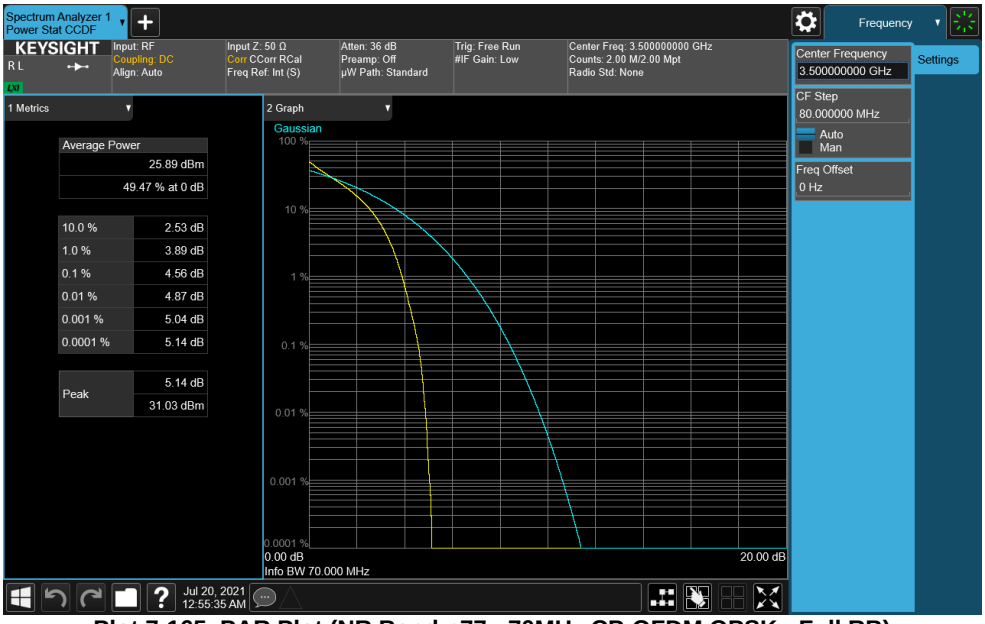
Plot 7-162. PAR Plot (NR Band n77 - 60MHz CP-OFDM 64-QAM - Full RB)



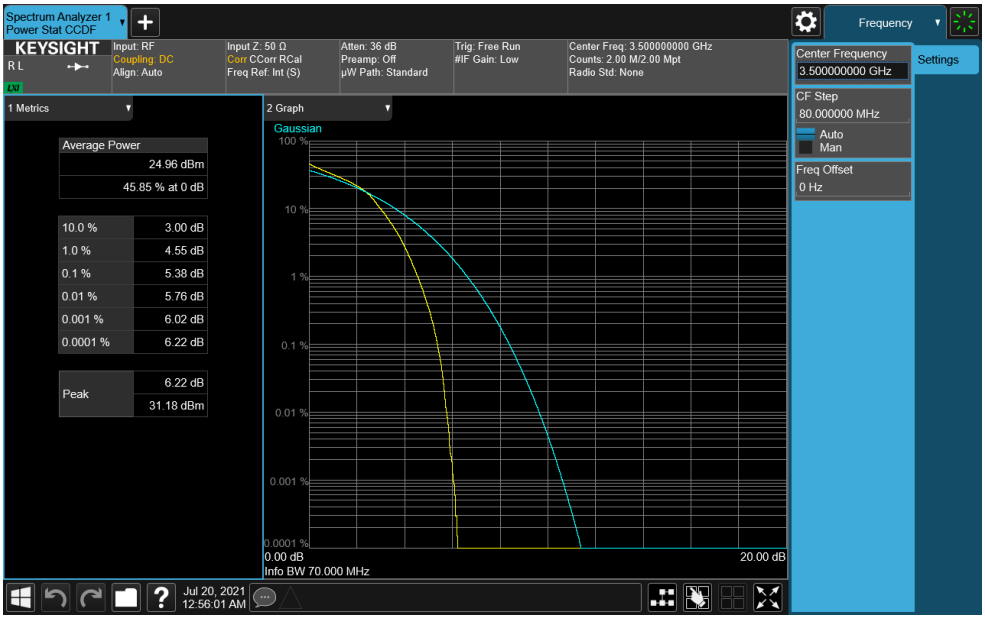
Plot 7-163. PAR Plot (NR Band n77 - 60MHz CP-OFDM 256-QAM - Full RB)



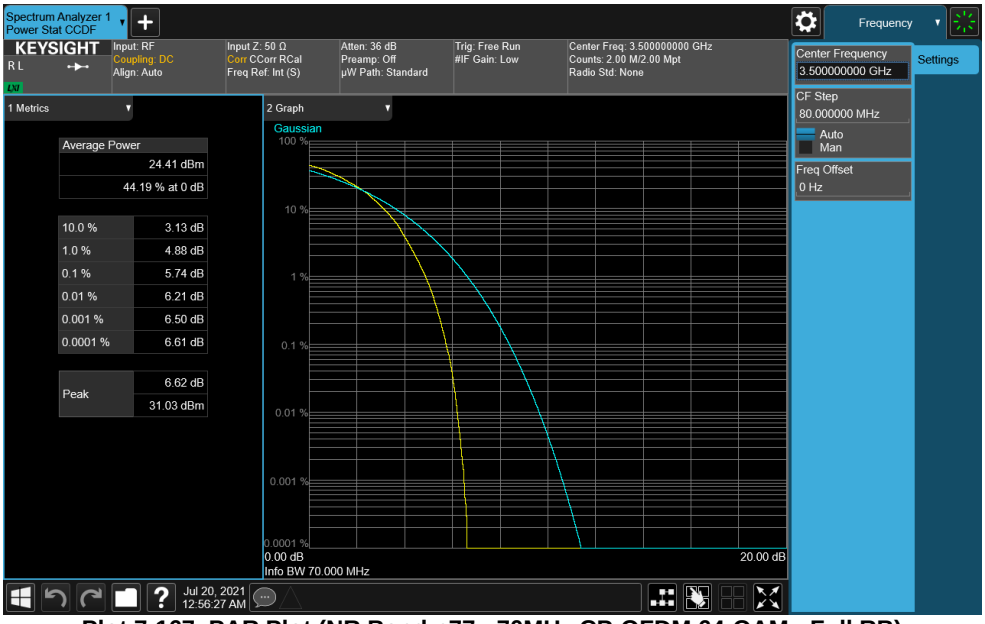
Plot 7-164. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM π/2 BPSK - Full RB)



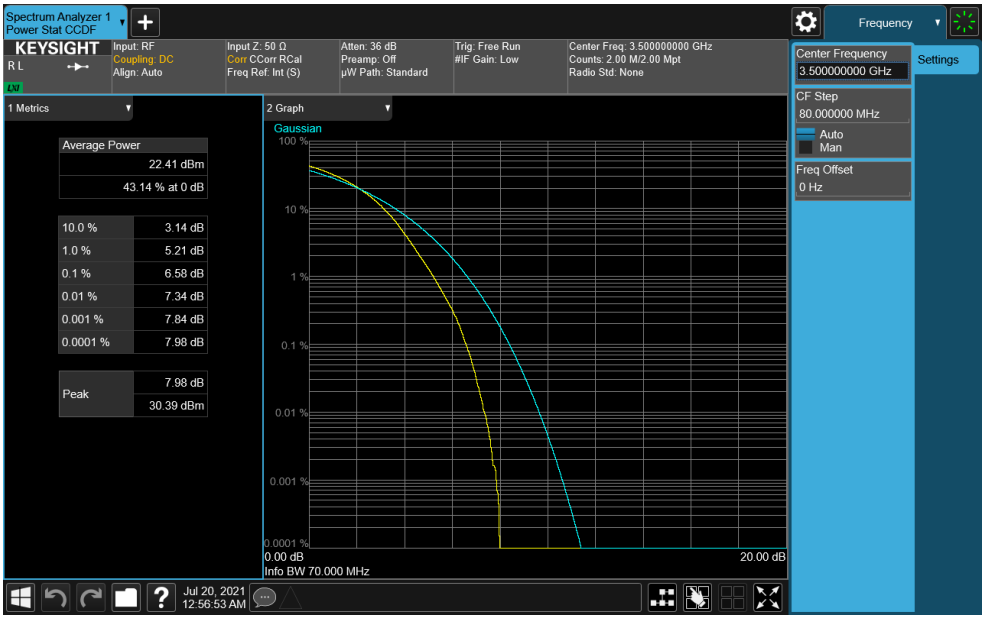
Plot 7-165. PAR Plot (NR Band n77 - 70MHz CP-OFDM QPSK - Full RB)



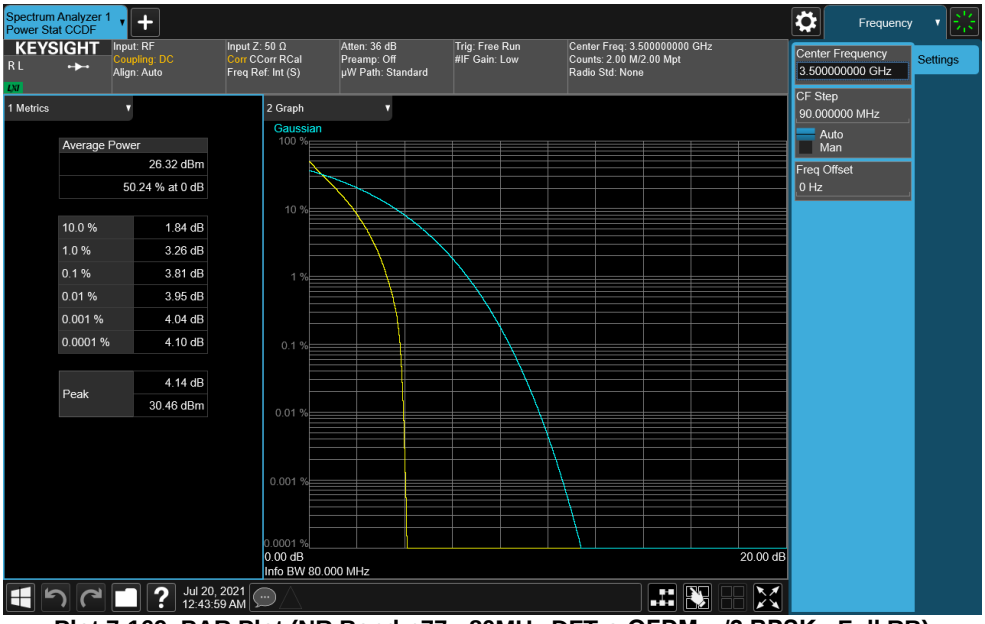
Plot 7-166. PAR Plot (NR Band n77 - 70MHz CP-OFDM 16-QAM - Full RB)



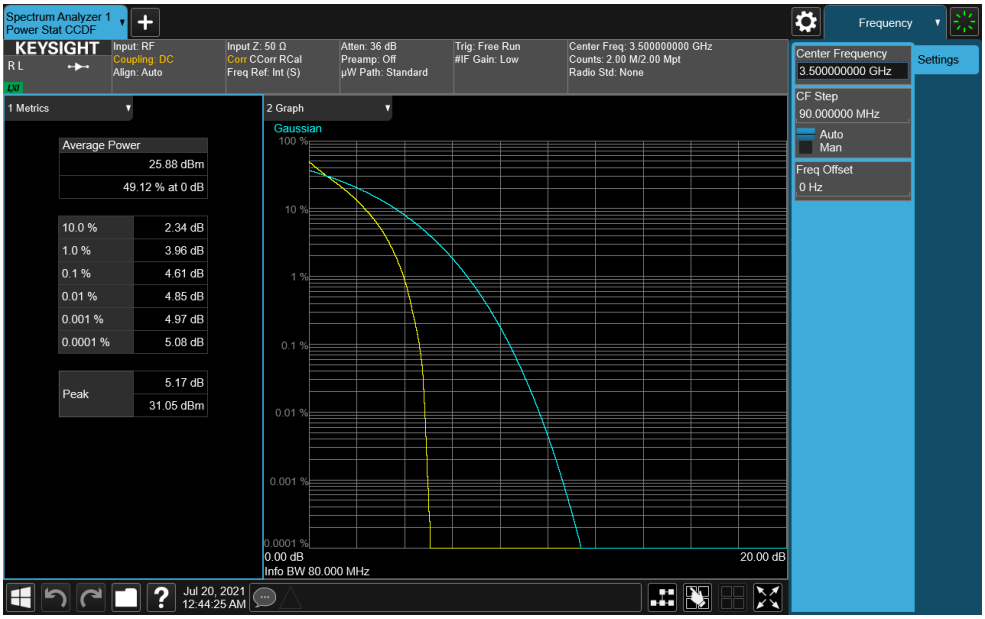
Plot 7-167. PAR Plot (NR Band n77 - 70MHz CP-OFDM 64-QAM - Full RB)



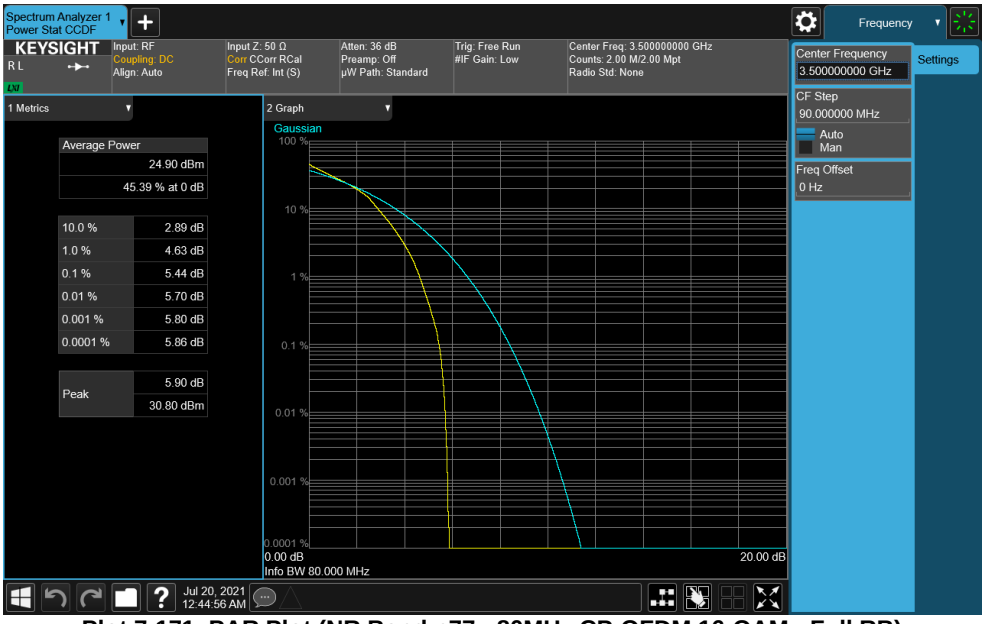
Plot 7-168. PAR Plot (NR Band n77 - 70MHz CP-OFDM 256-QAM - Full RB)



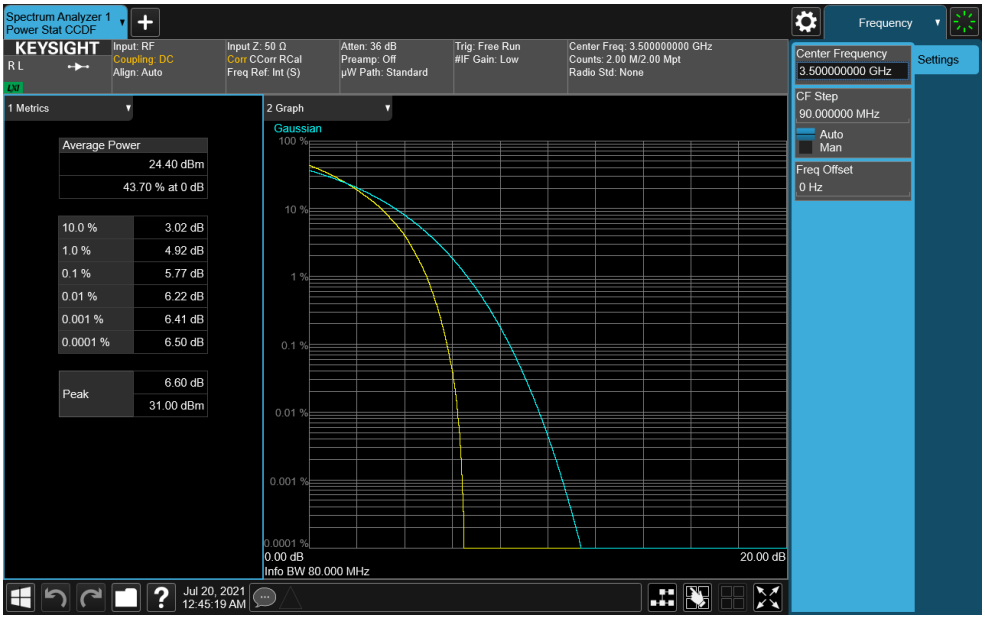
Plot 7-169. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM π/2 BPSK - Full RB)



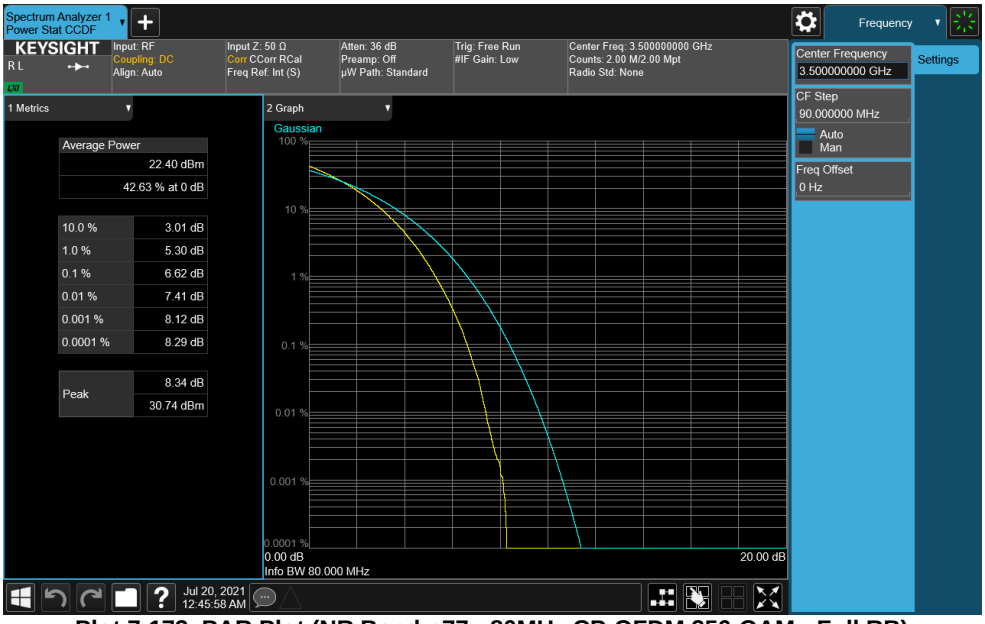
Plot 7-170. PAR Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB)



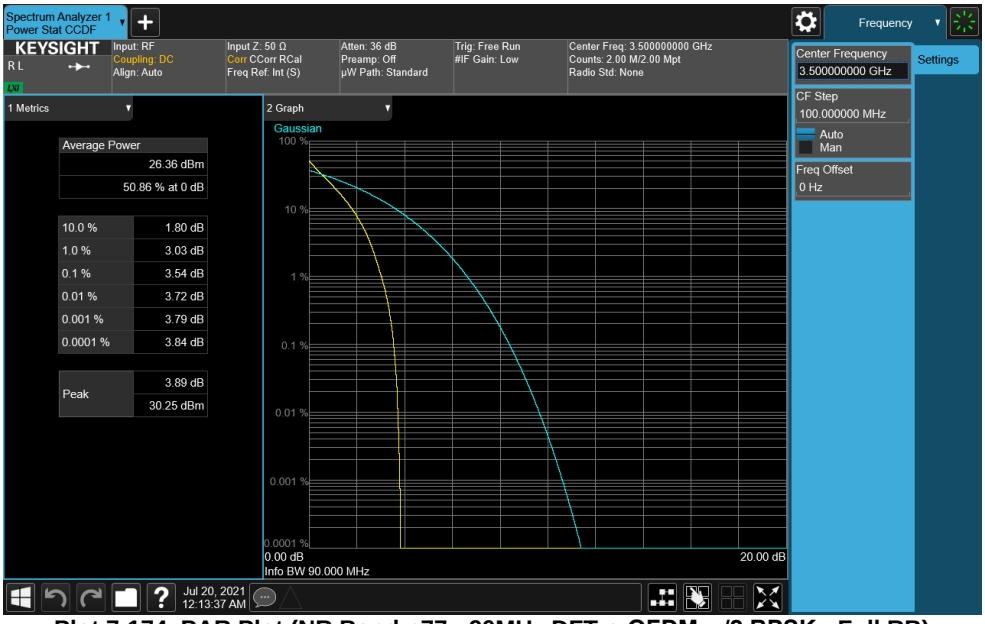
Plot 7-171. PAR Plot (NR Band n77 - 80MHz CP-OFDM 16-QAM - Full RB)



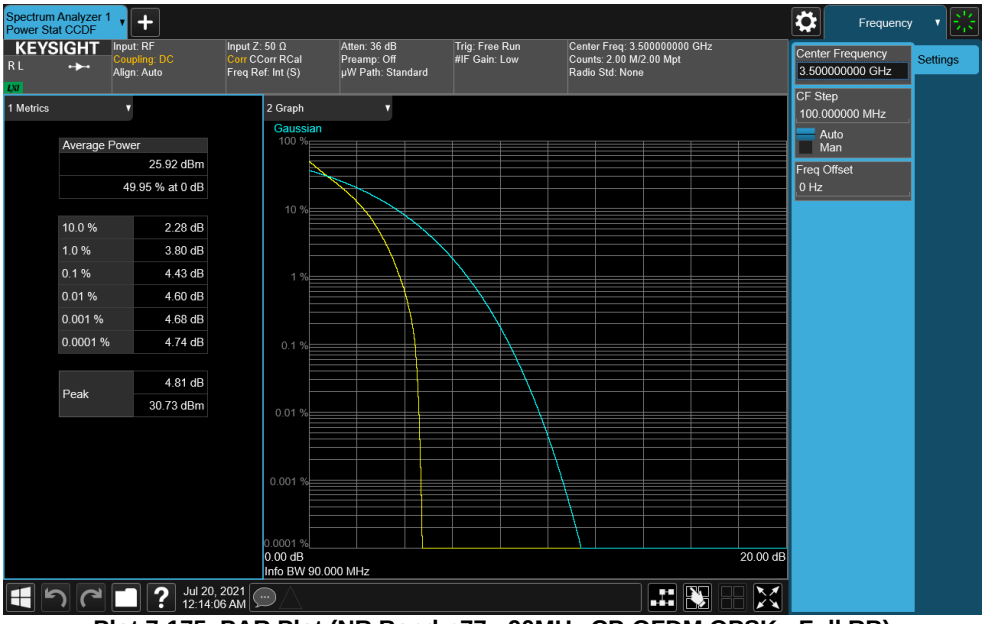
Plot 7-172. PAR Plot (NR Band n77 - 80MHz CP-OFDM 64-QAM - Full RB)



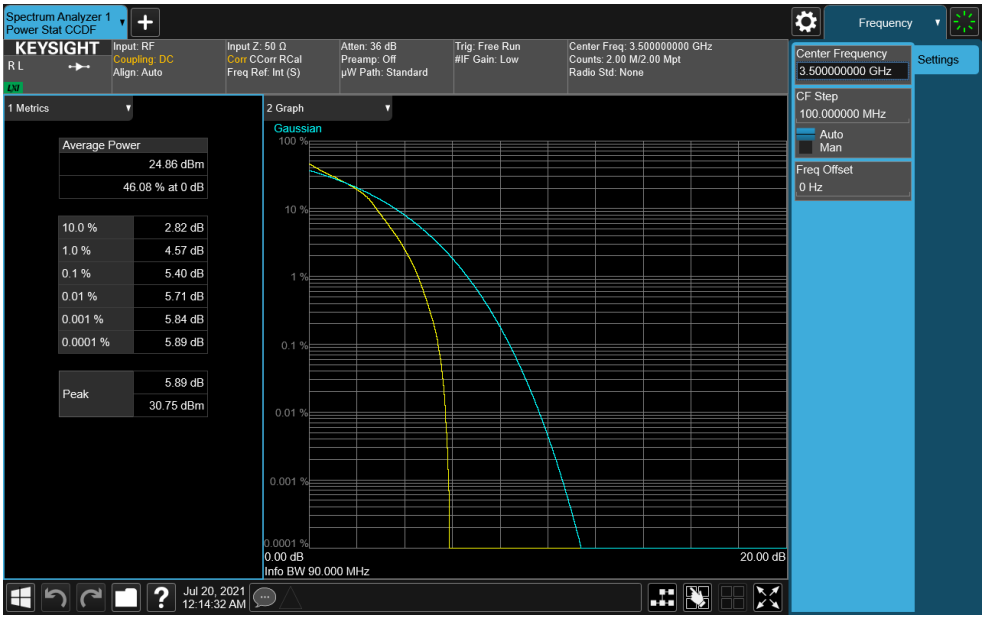
Plot 7-173. PAR Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB)



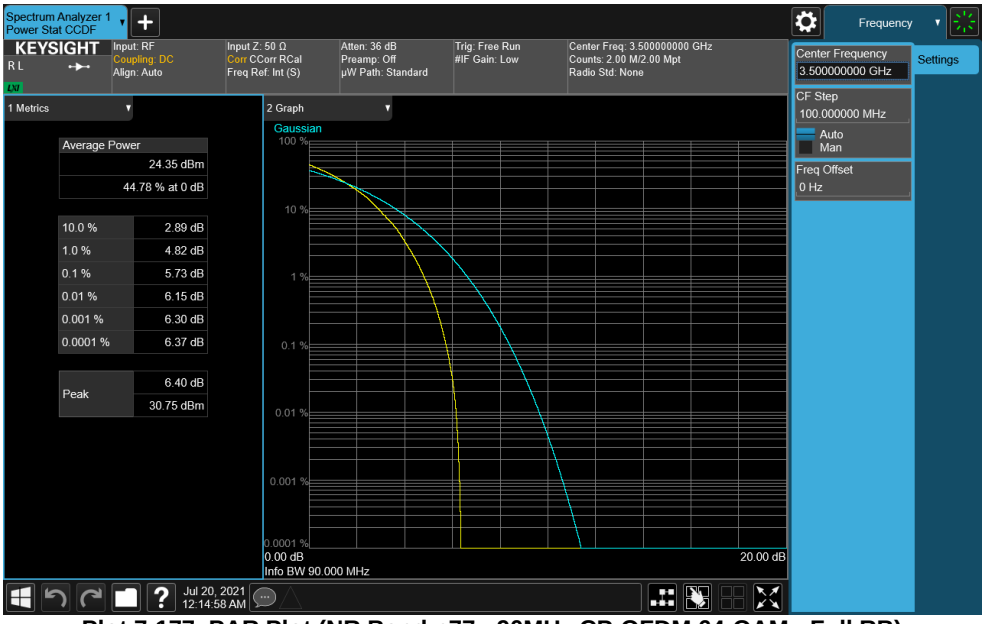
Plot 7-174. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM π/2 BPSK - Full RB)



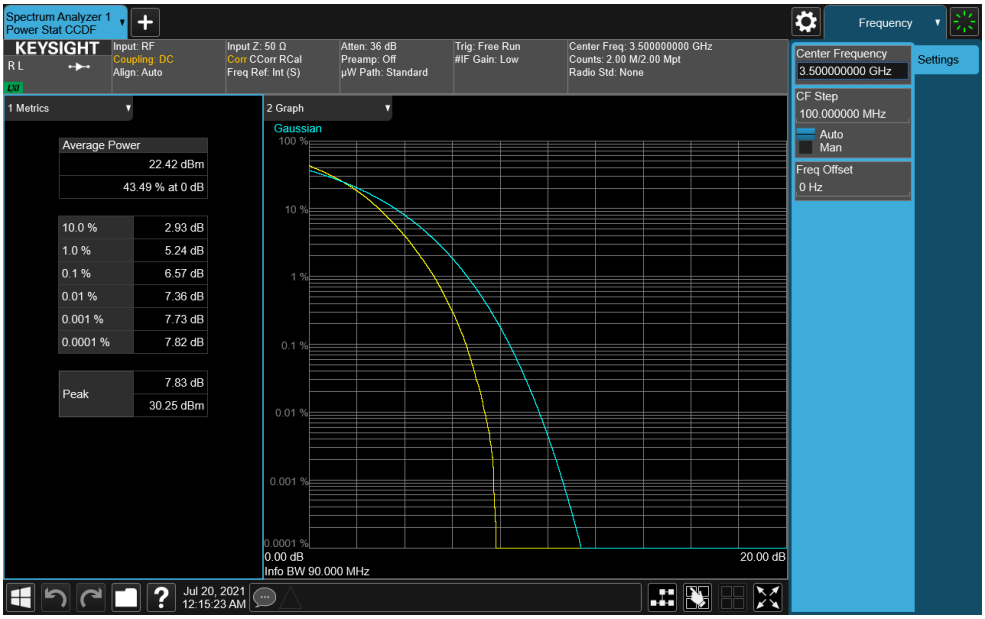
Plot 7-175. PAR Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB)



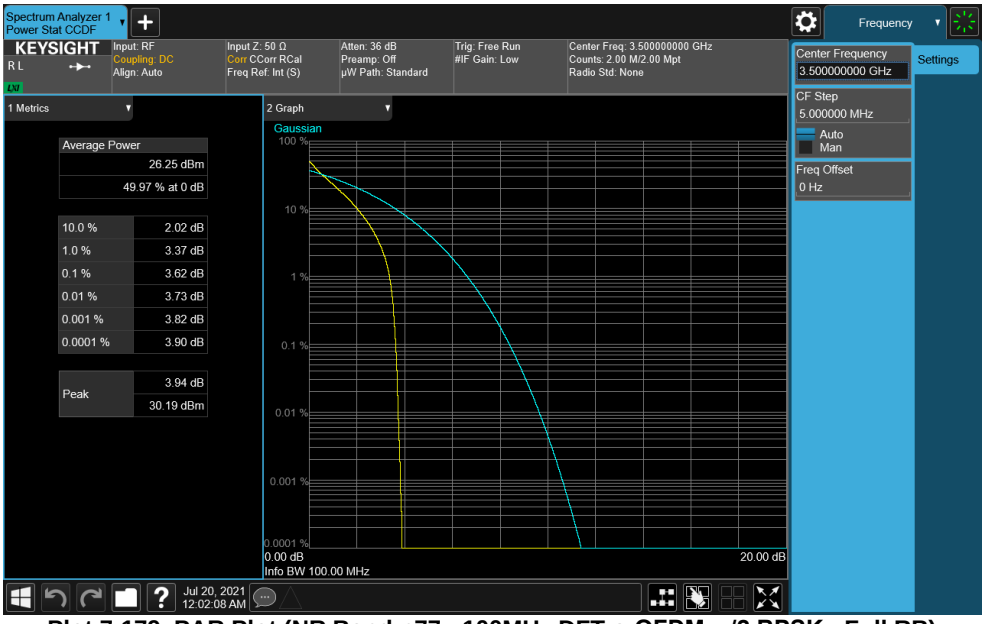
Plot 7-176. PAR Plot (NR Band n77 - 90MHz CP-OFDM 16-QAM - Full RB)



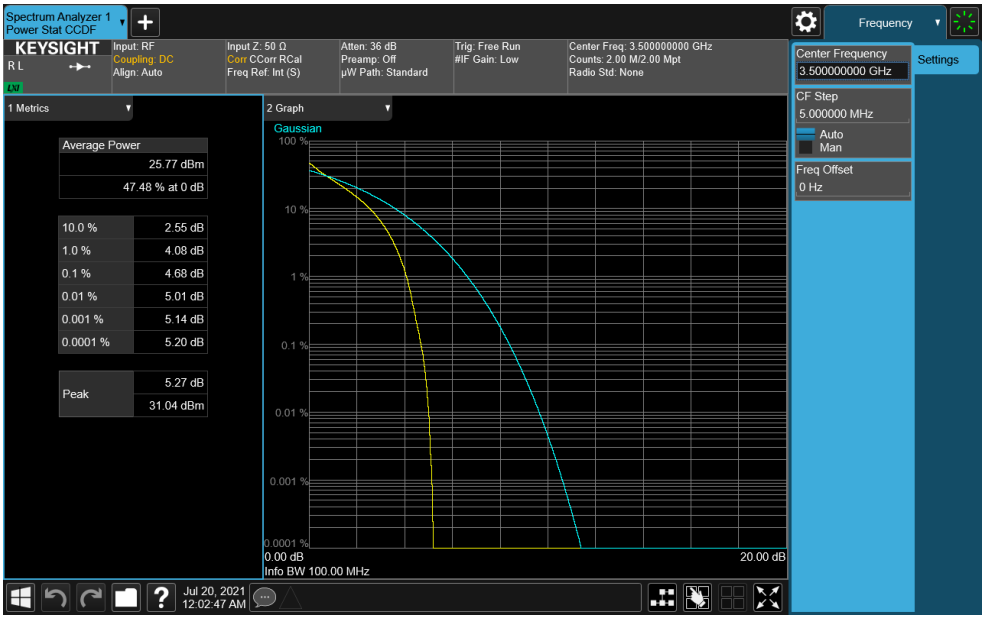
Plot 7-177. PAR Plot (NR Band n77 - 90MHz CP-OFDM 64-QAM - Full RB)



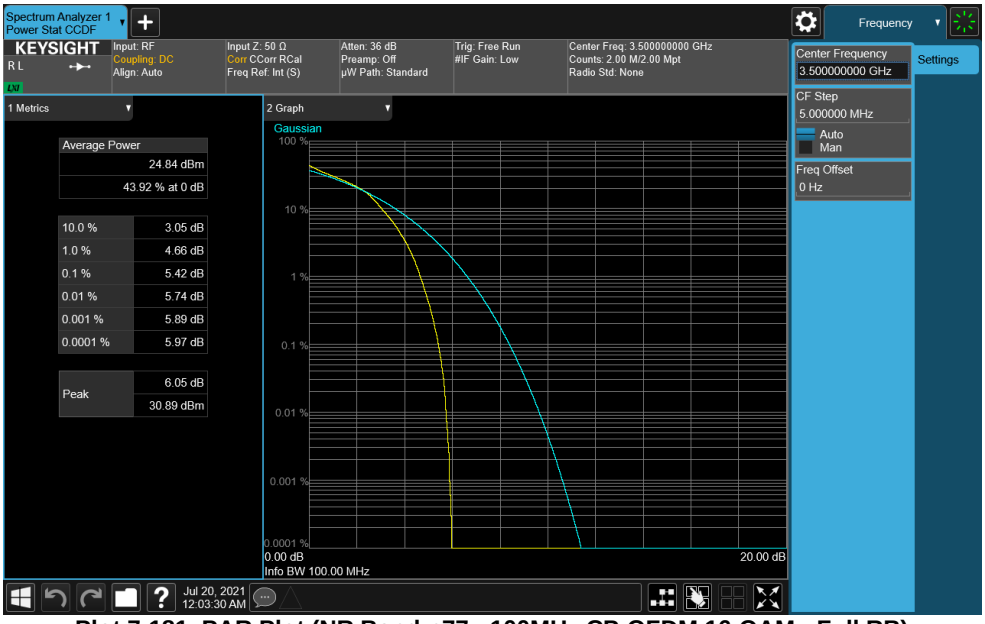
Plot 7-178. PAR Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB)



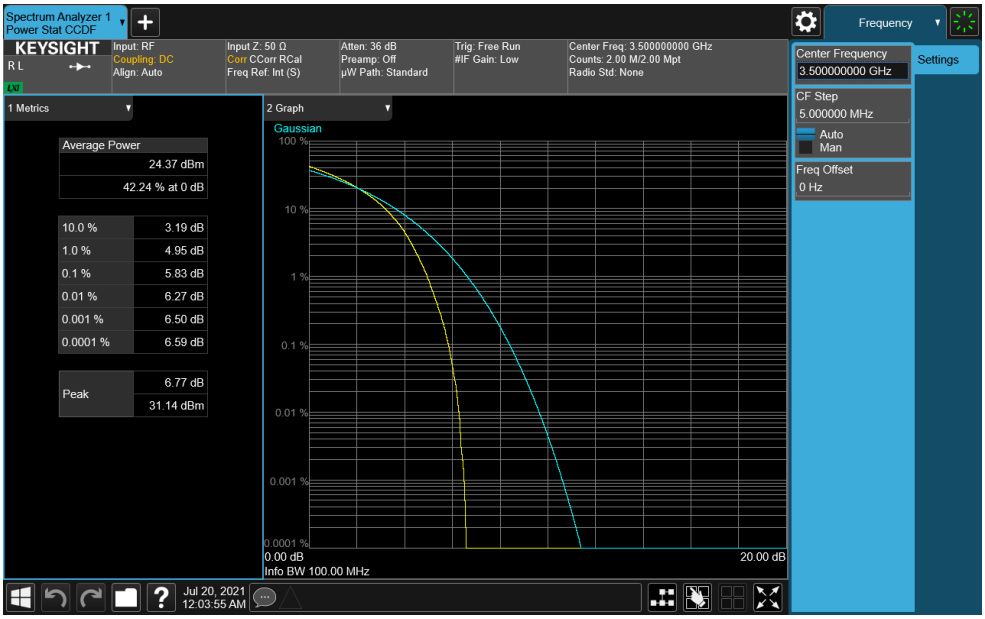
Plot 7-179. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



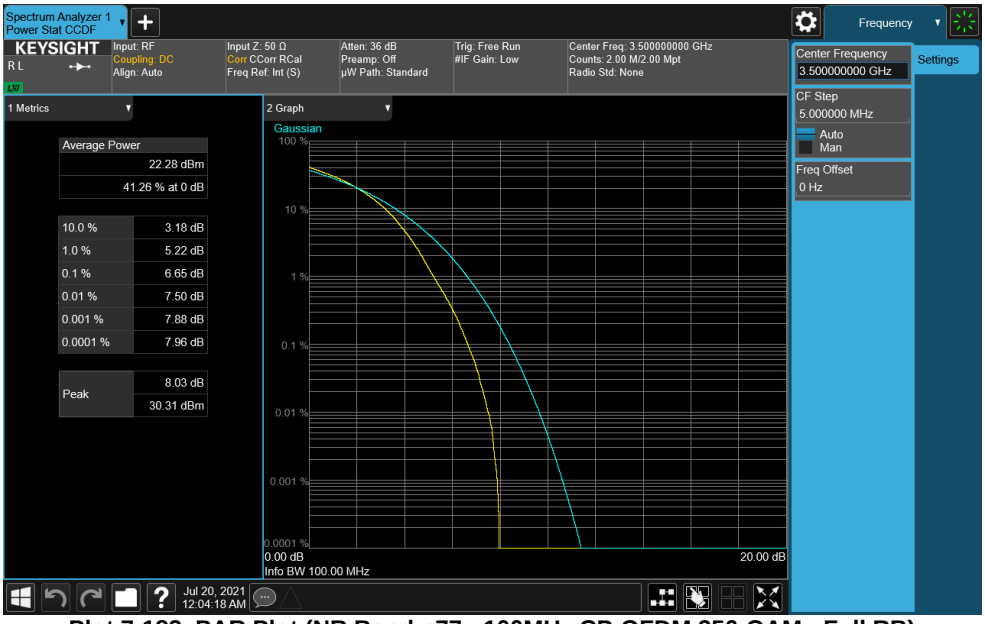
Plot 7-180. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB)



Plot 7-181. PAR Plot (NR Band n77 - 100MHz CP-OFDM 16-QAM - Full RB)

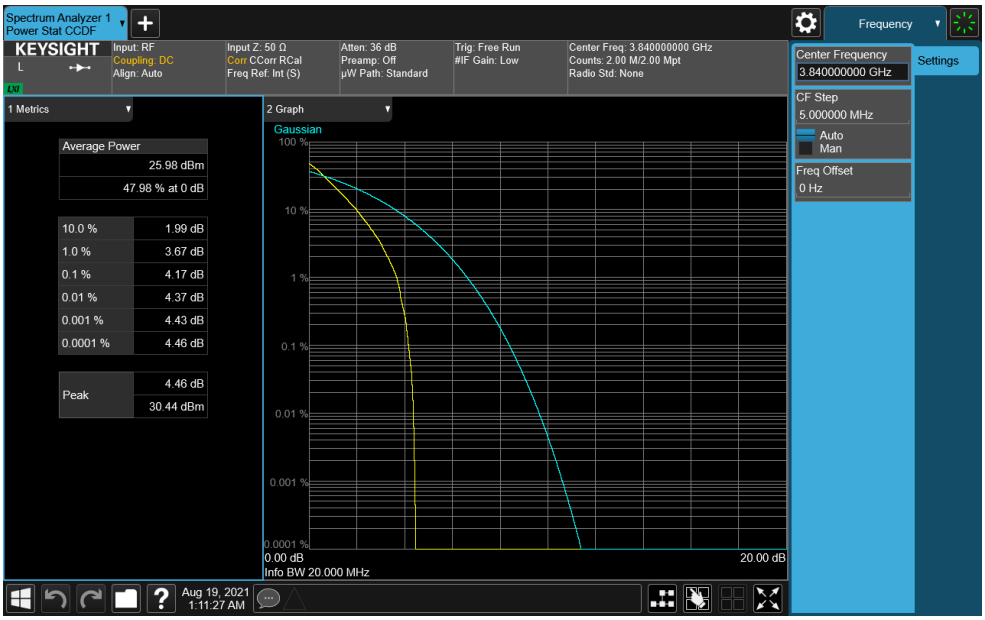


Plot 7-182. PAR Plot (NR Band n77 - 100MHz CP-OFDM 64-QAM - Full RB)

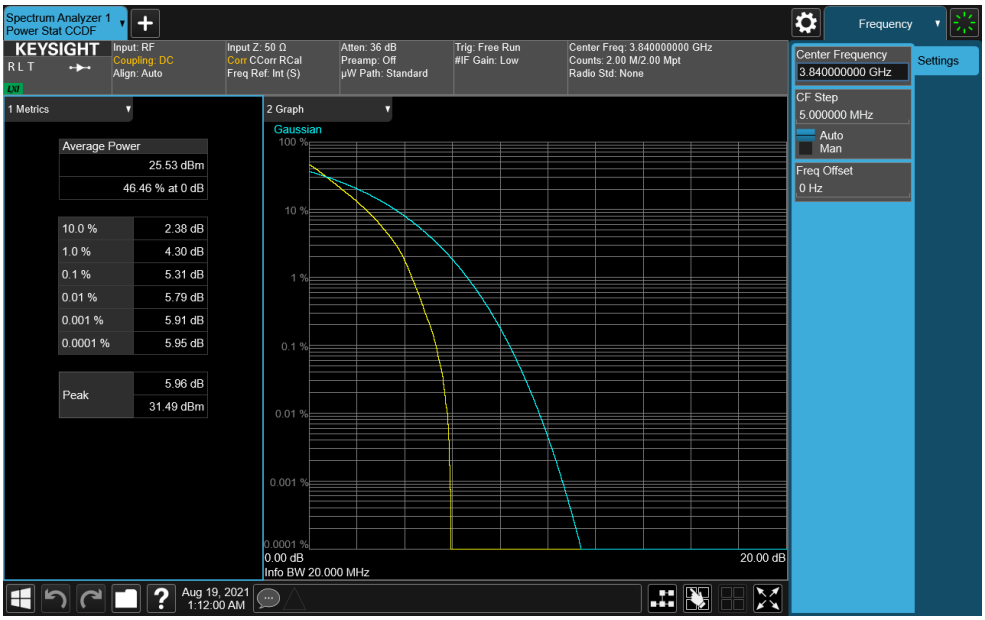


Plot 7-183. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB)

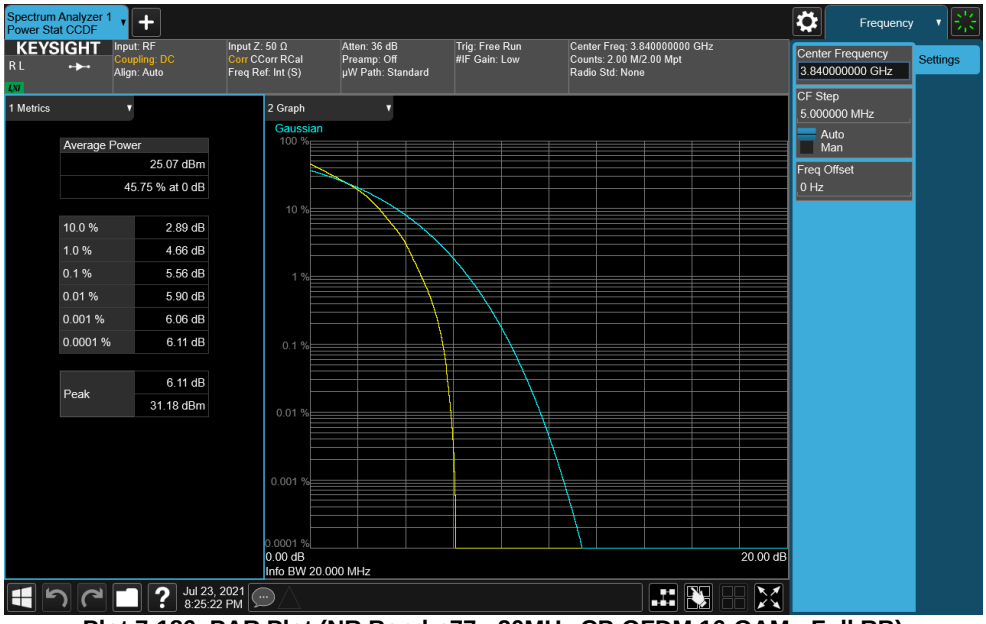
NR Band n77 C-Band



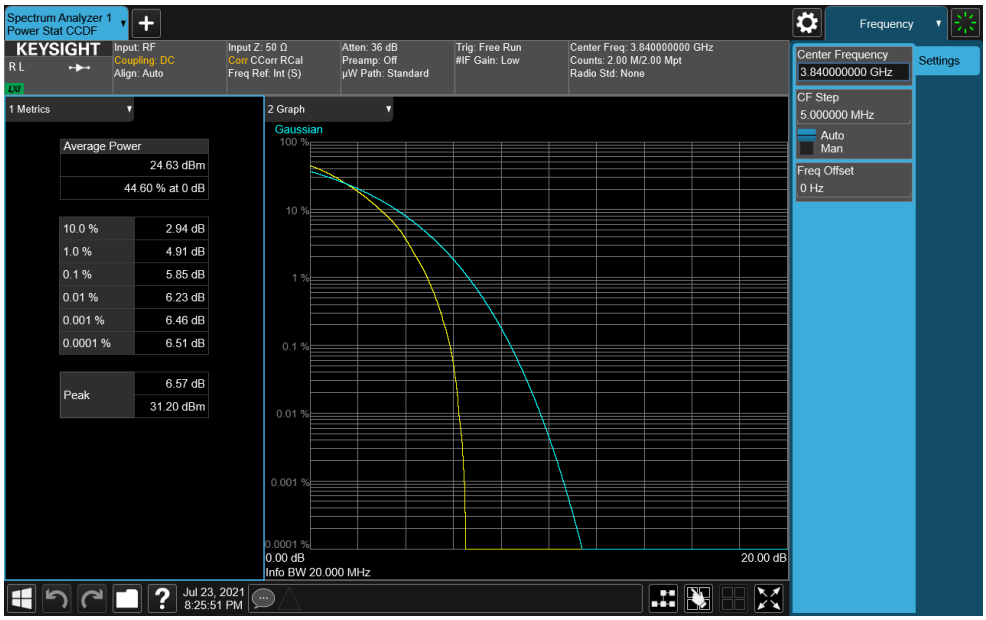
Plot 7-184. PAR Plot (NR Band n77 - 20MHz DFT-s-OFDM π/2 BPSK - Full RB)



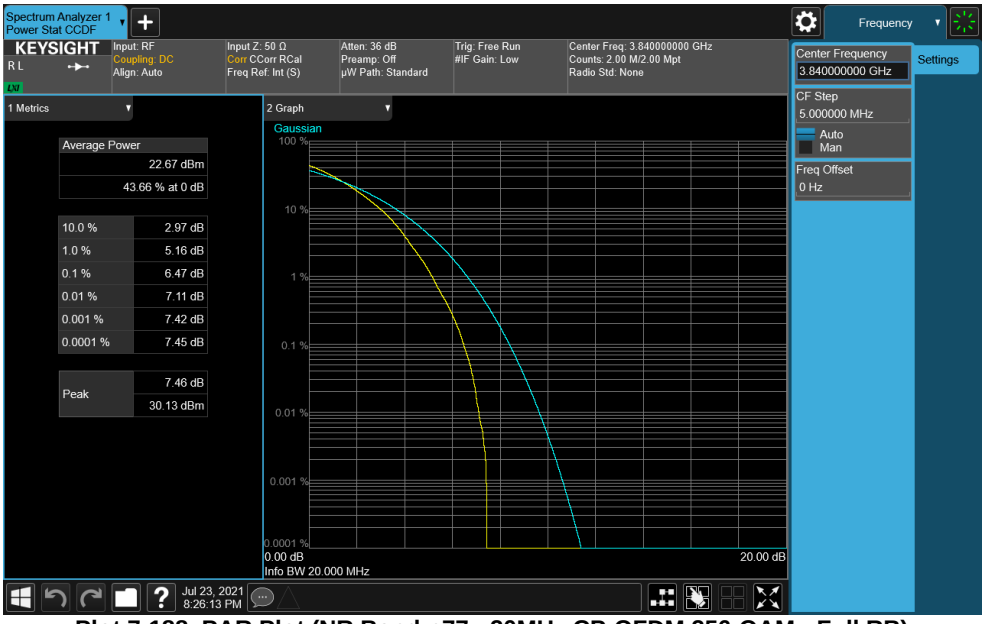
Plot 7-185. PAR Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB)



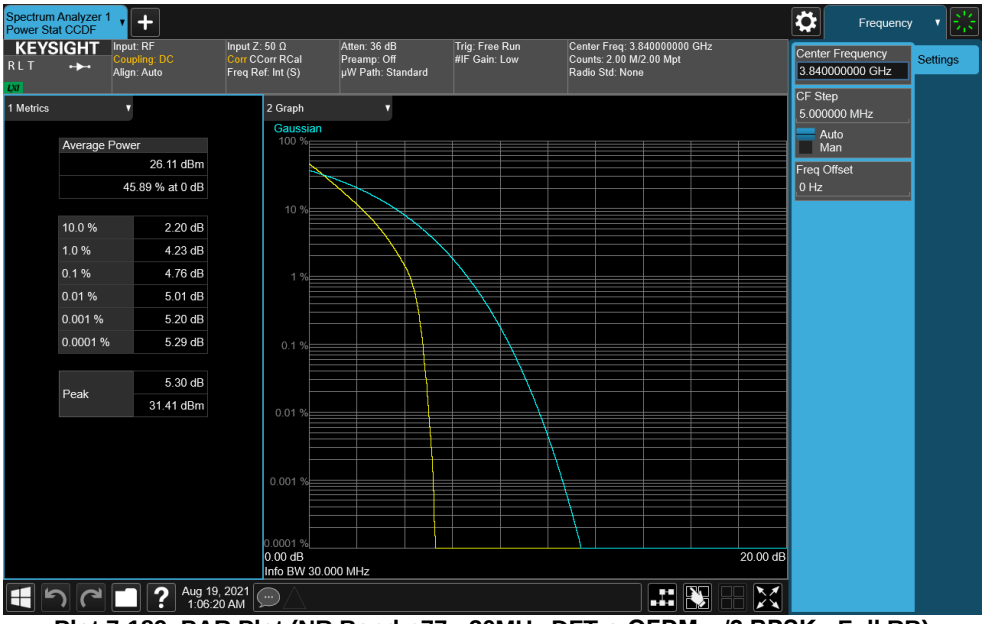
Plot 7-186. PAR Plot (NR Band n77 - 20MHz CP-OFDM 16-QAM - Full RB)



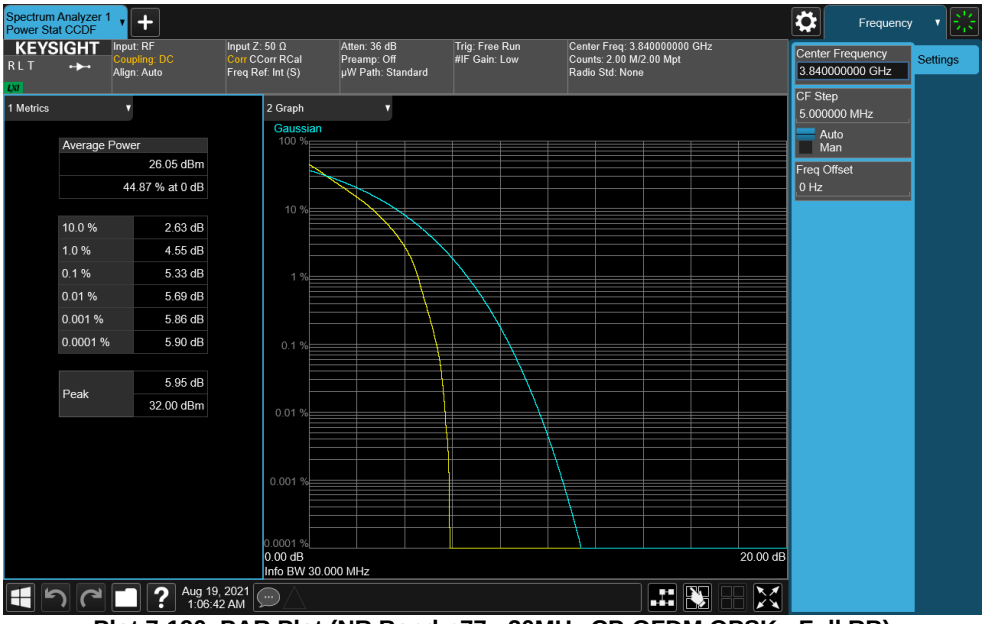
Plot 7-187. PAR Plot (NR Band n77 - 20MHz CP-OFDM 64-QAM - Full RB)



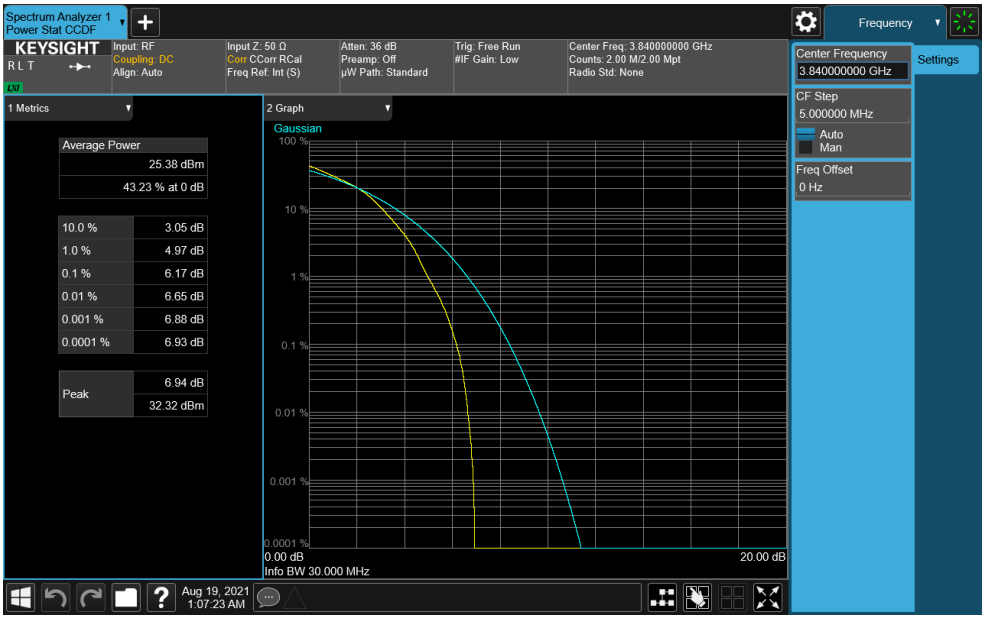
Plot 7-188. PAR Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB)



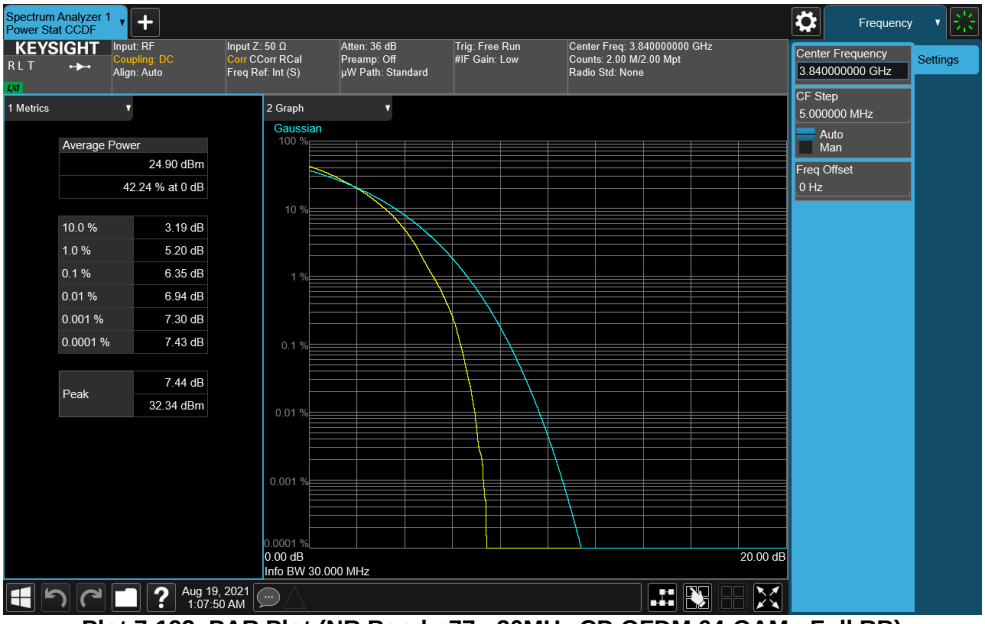
Plot 7-189. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM π/2 BPSK - Full RB)



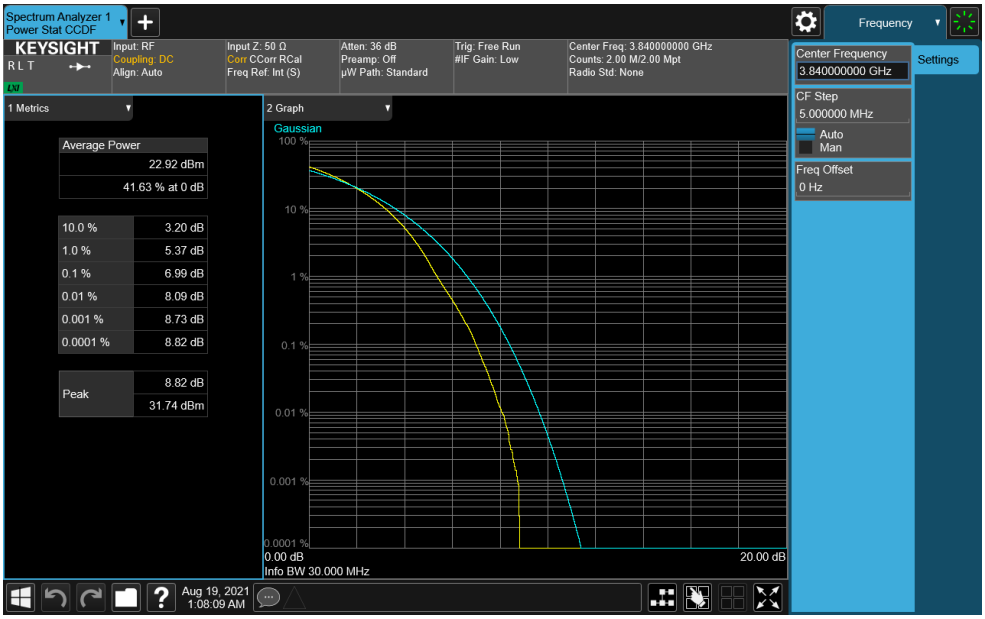
Plot 7-190. PAR Plot (NR Band n77 - 30MHz CP-OFDM QPSK - Full RB)



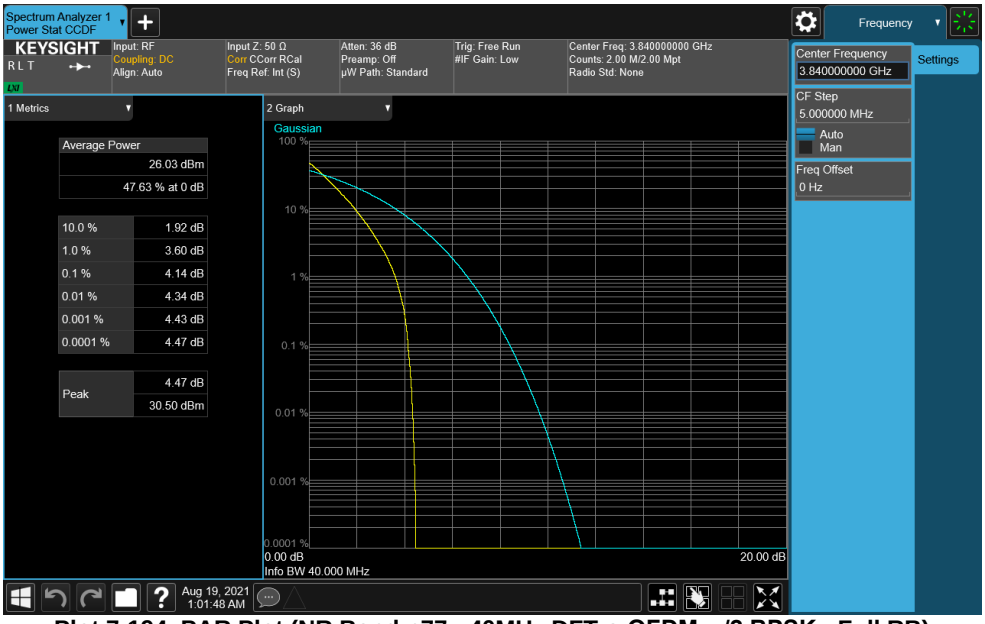
Plot 7-191. PAR Plot (NR Band n77 - 30MHz CP-OFDM 16-QAM - Full RB)



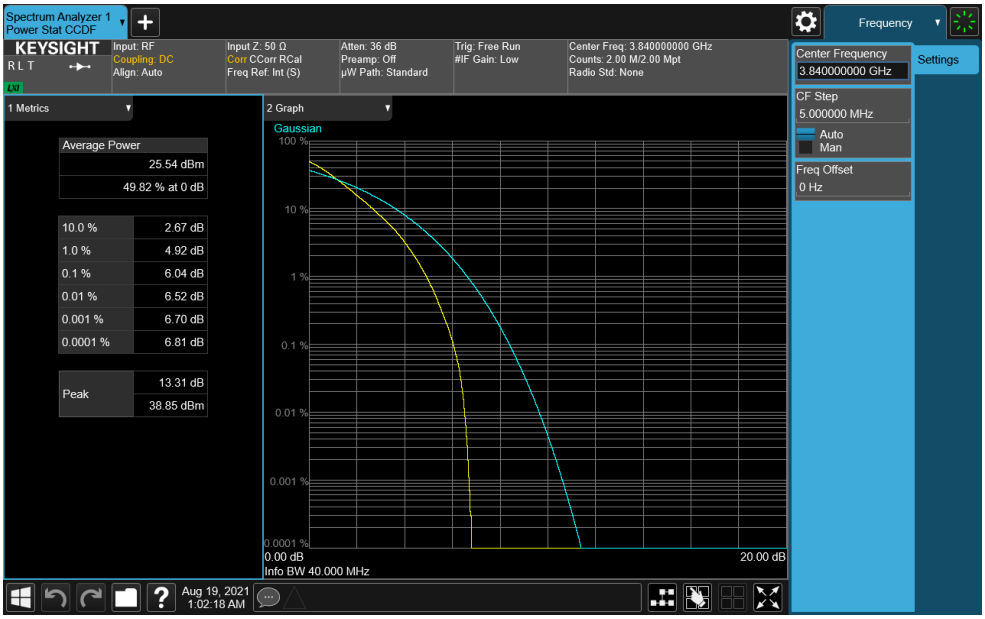
Plot 7-192. PAR Plot (NR Band n77 - 30MHz CP-OFDM 64-QAM - Full RB)



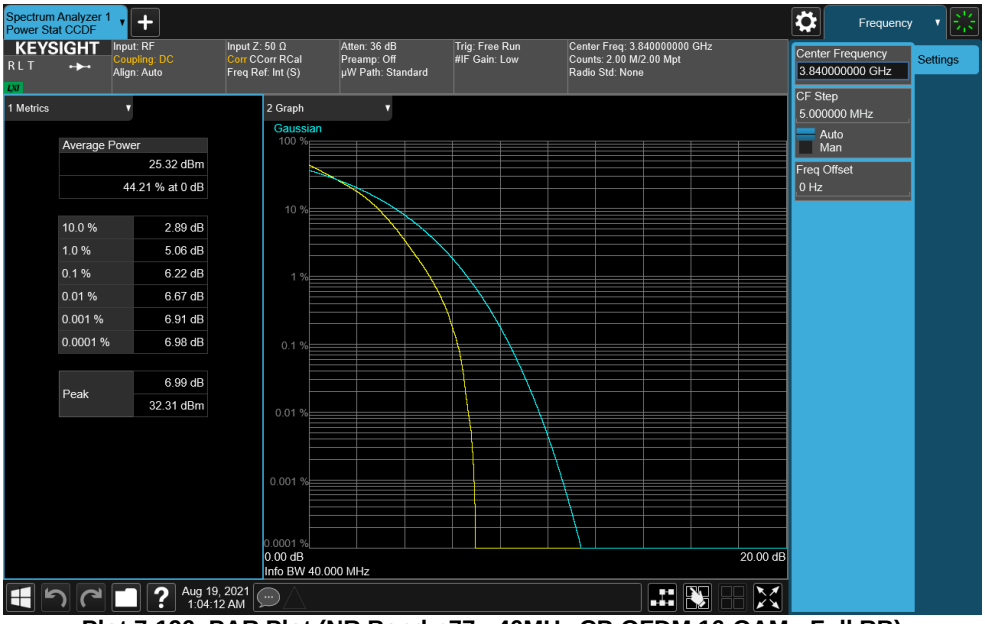
Plot 7-193. PAR Plot (NR Band n77 - 30MHz CP-OFDM 256-QAM - Full RB)



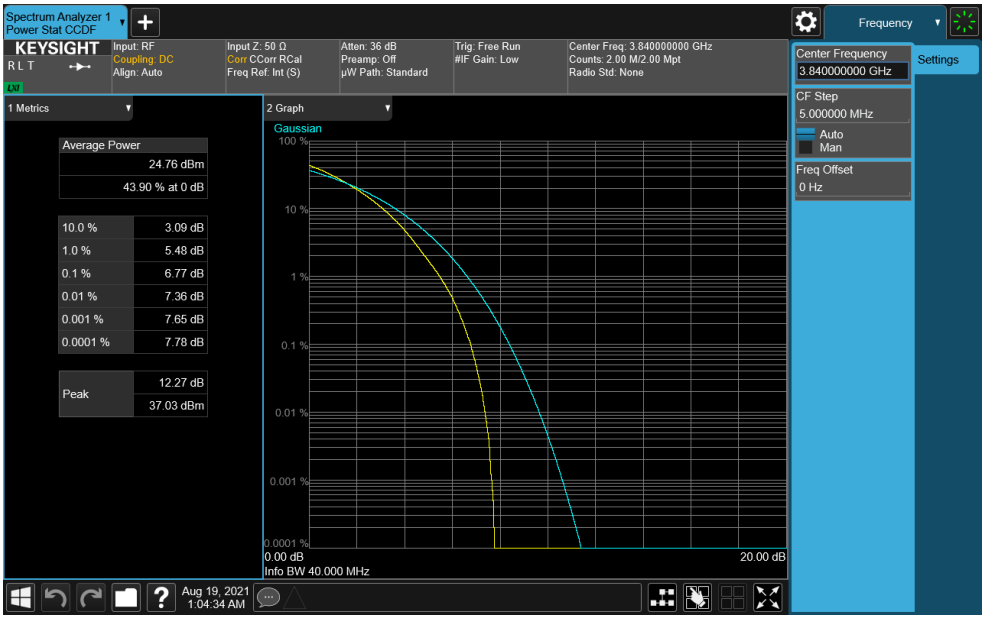
Plot 7-194. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM π/2 BPSK - Full RB)



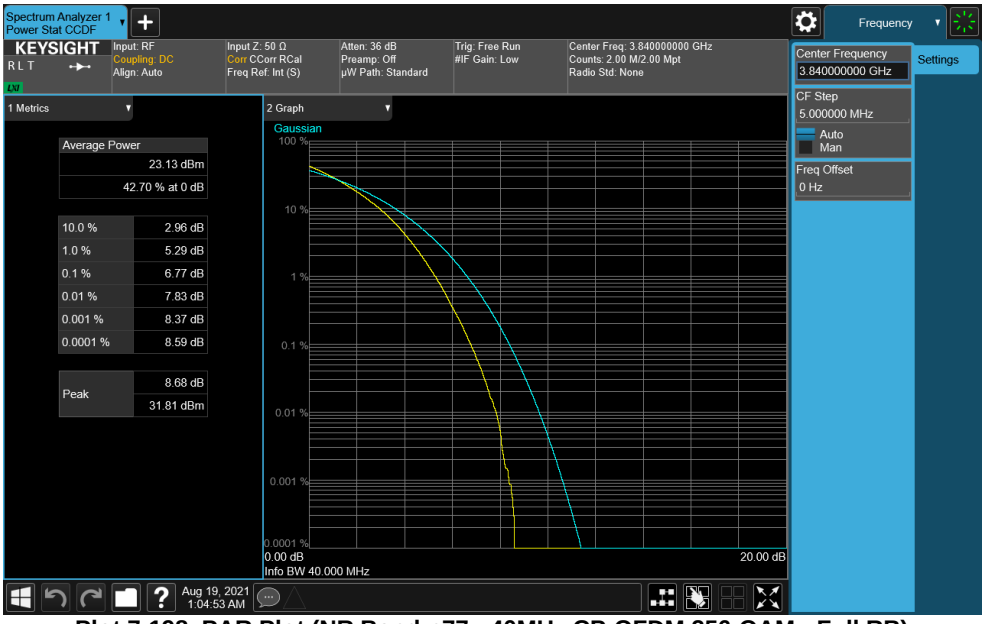
Plot 7-195. PAR Plot (NR Band n77 - 40MHz CP-OFDM QPSK - Full RB)



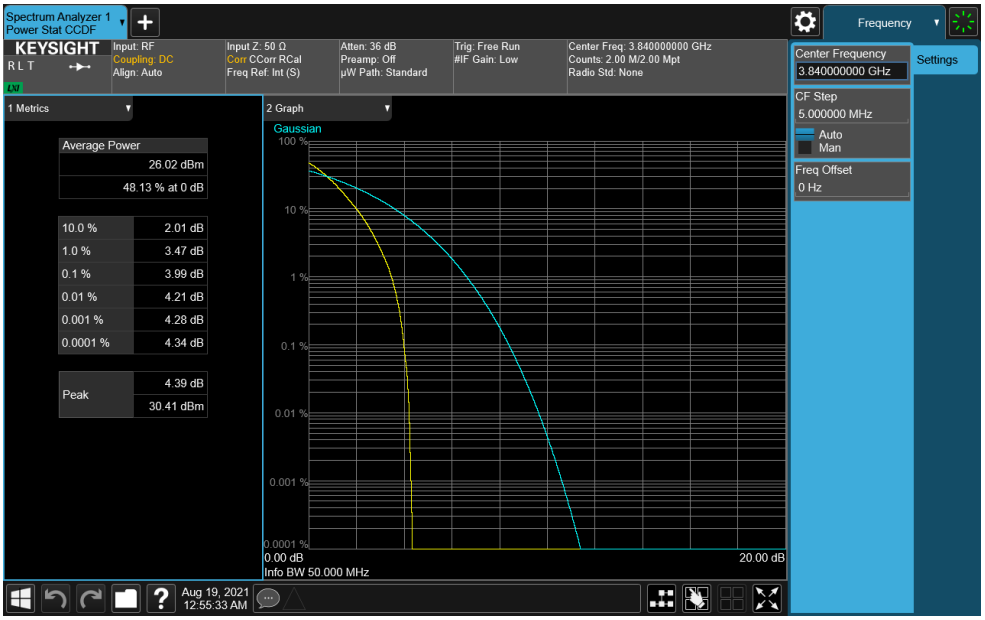
Plot 7-196. PAR Plot (NR Band n77 - 40MHz CP-OFDM 16-QAM - Full RB)



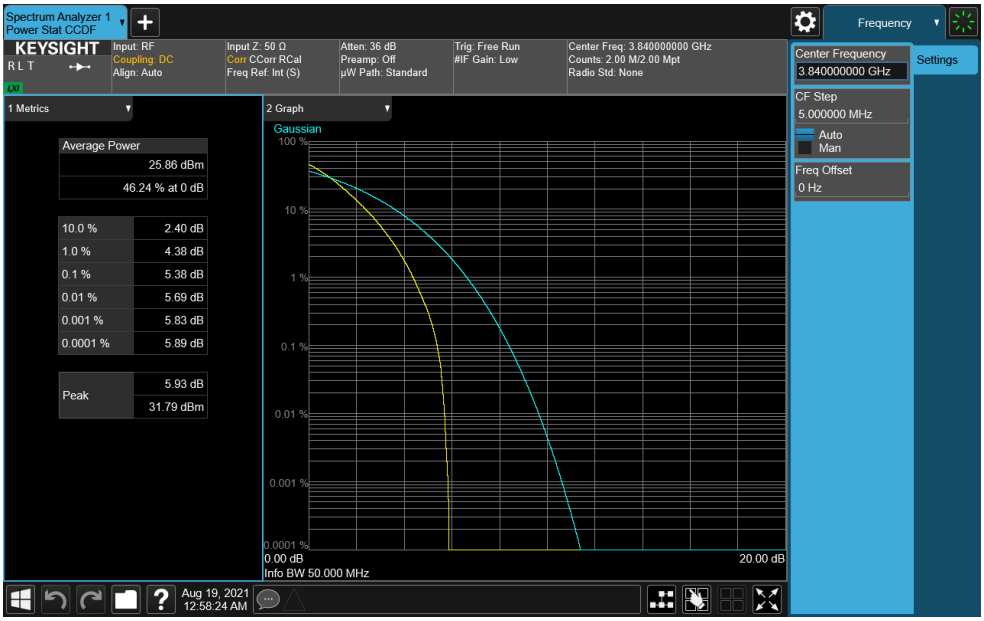
Plot 7-197. PAR Plot (NR Band n77 - 40MHz CP-OFDM 64-QAM - Full RB)



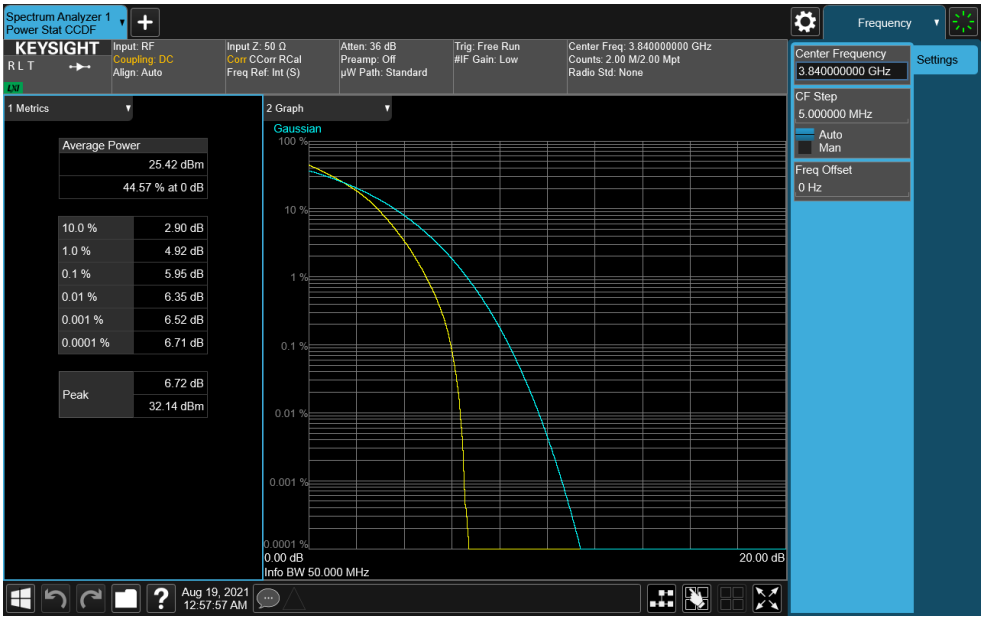
Plot 7-198. PAR Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB)



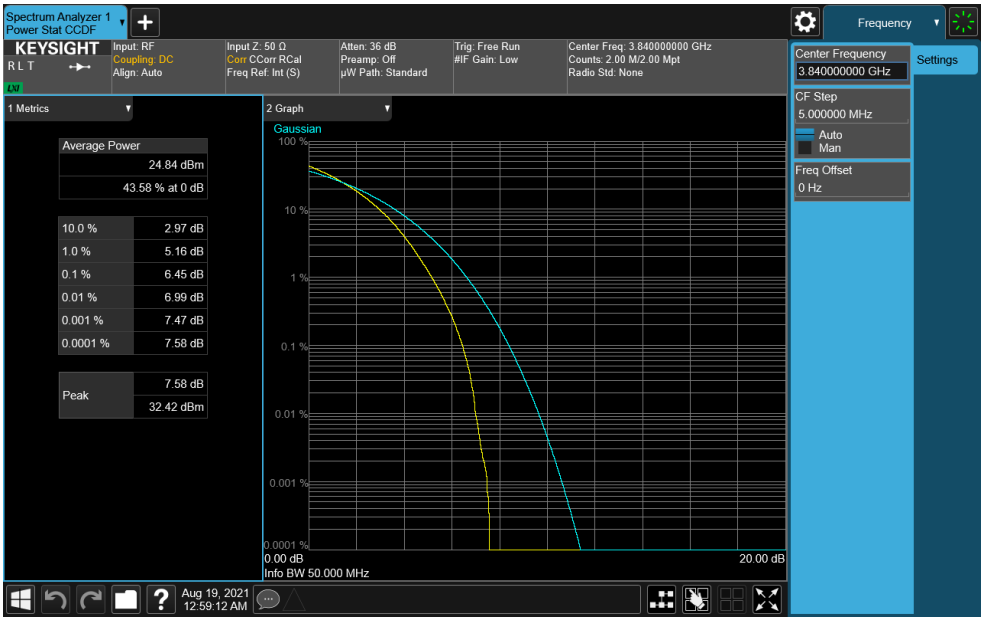
Plot 7-199. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)



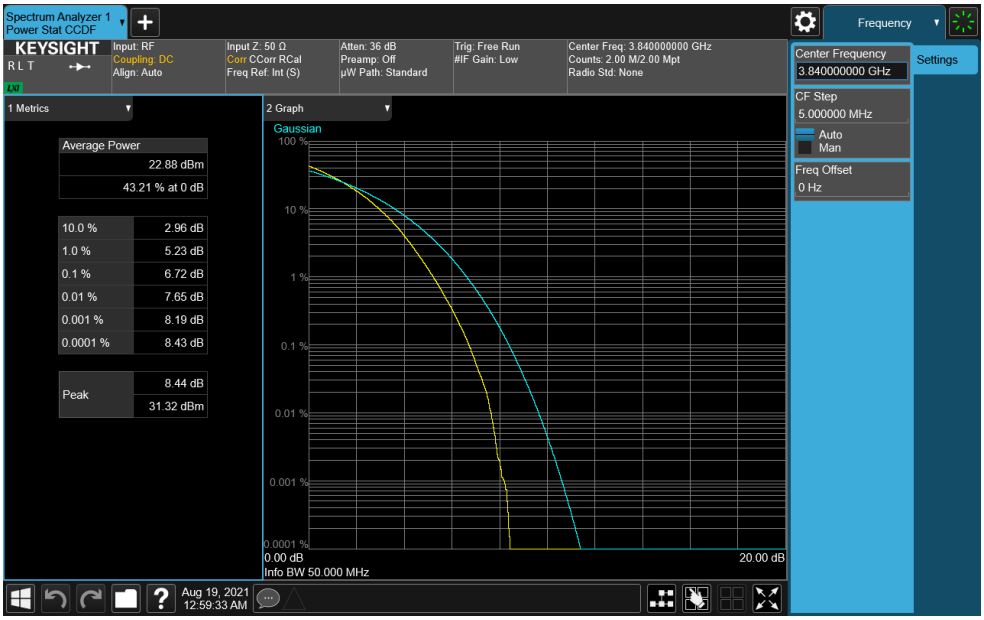
Plot 7-200. PAR Plot (NR Band n77 - 50MHz CP-OFDM QPSK - Full RB)



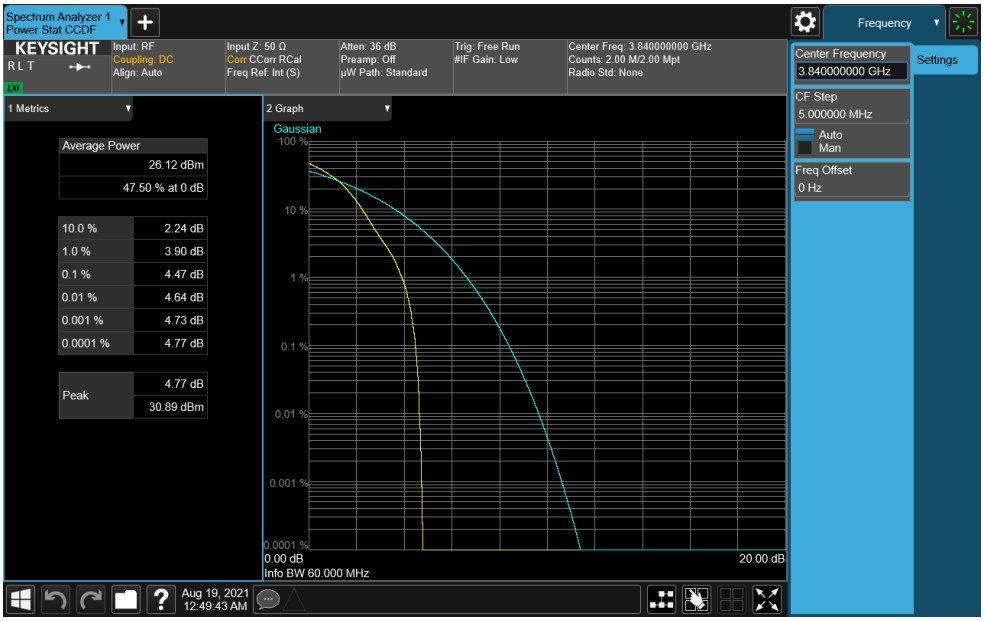
Plot 7-201. PAR Plot (NR Band n77 - 50MHz CP-OFDM 16-QAM - Full RB)



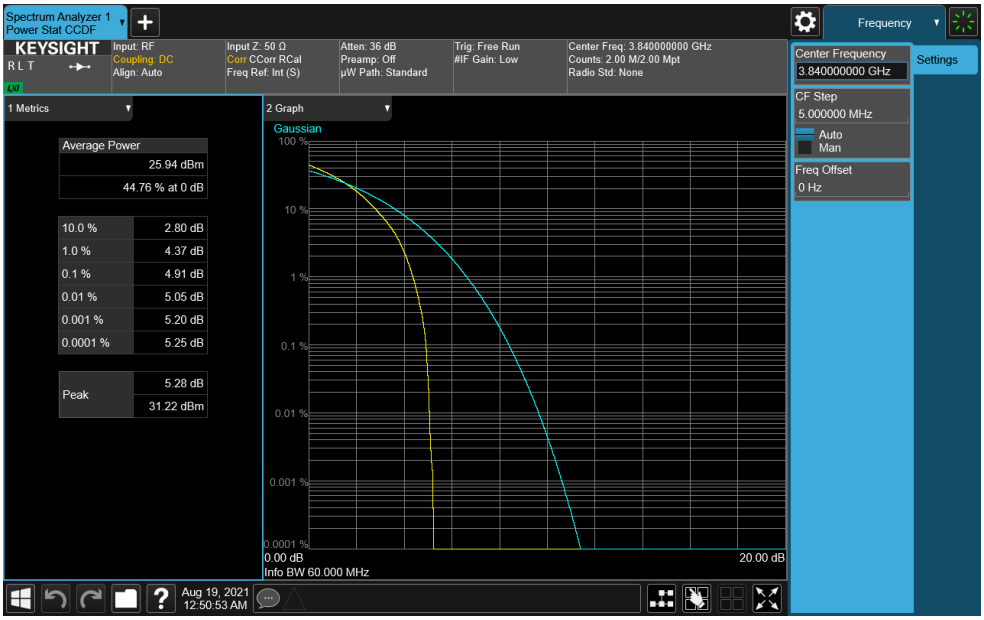
Plot 7-202. PAR Plot (NR Band n77 - 50MHz CP-OFDM 64-QAM - Full RB)



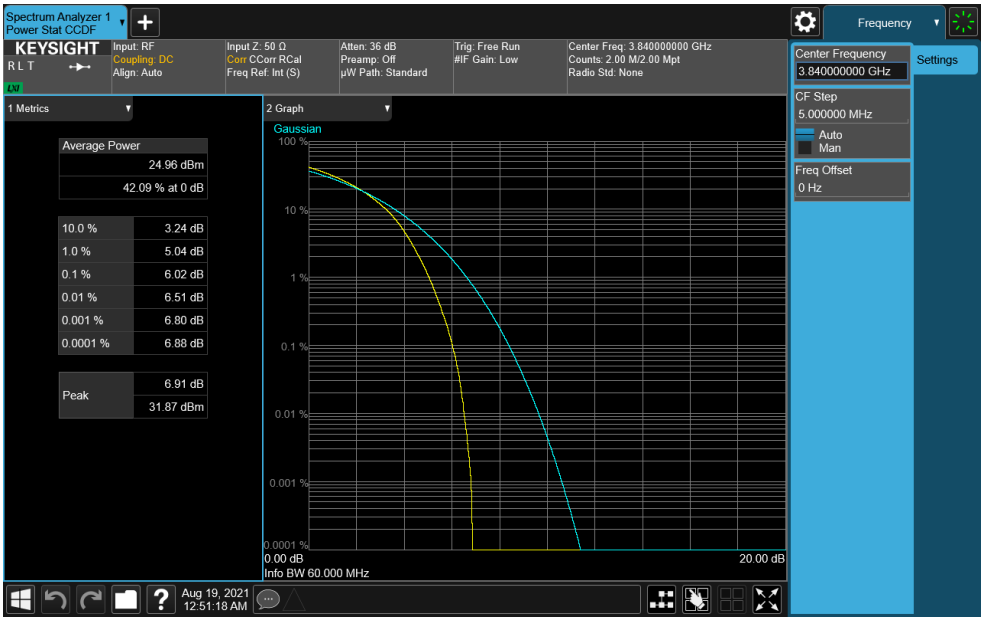
Plot 7-203. PAR Plot (NR Band n77 - 50MHz CP-OFDM 256-QAM - Full RB)



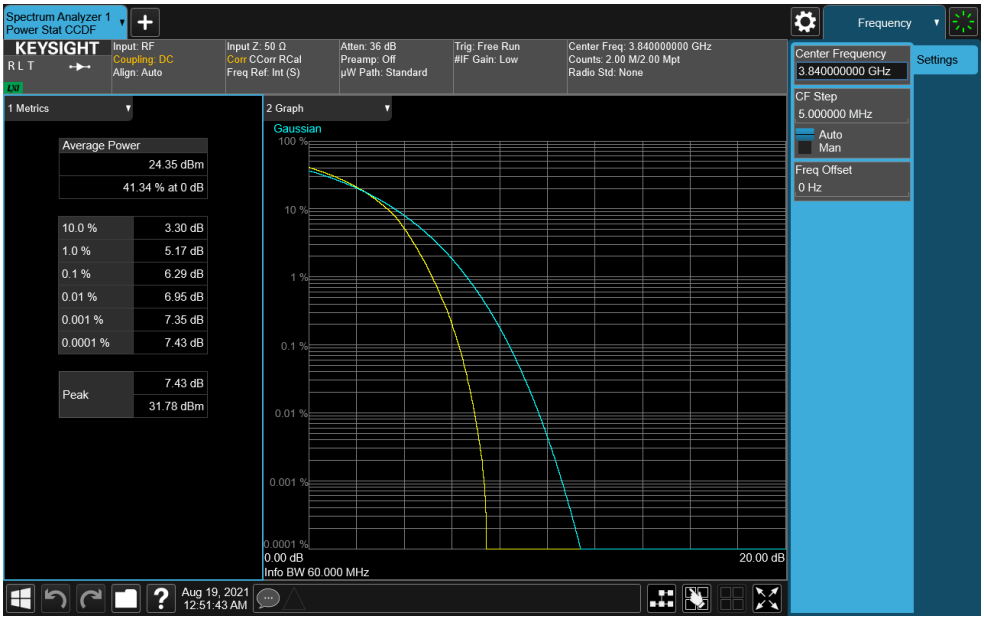
Plot 7-204. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM π/2 BPSK - Full RB)



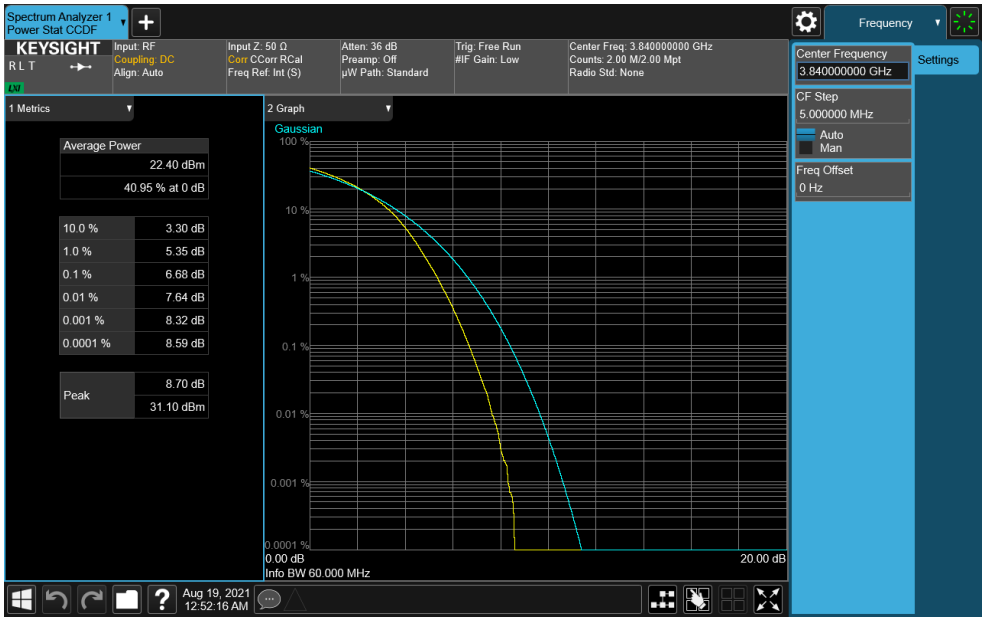
Plot 7-205. PAR Plot (NR Band n77 - 60MHz CP-OFDM QPSK - Full RB)



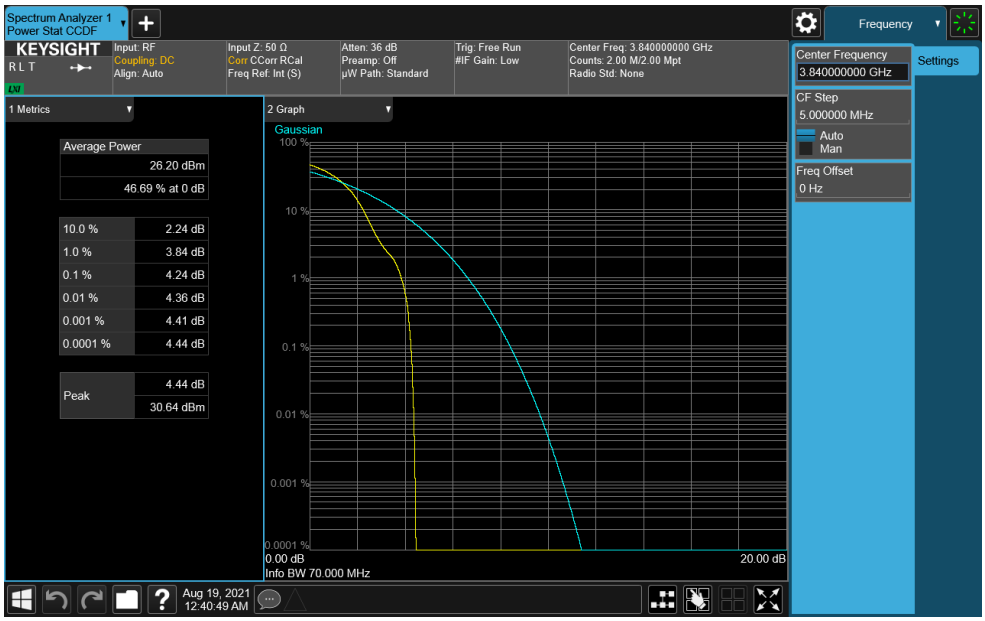
Plot 7-206. PAR Plot (NR Band n77 - 60MHz CP-OFDM 16-QAM - Full RB)



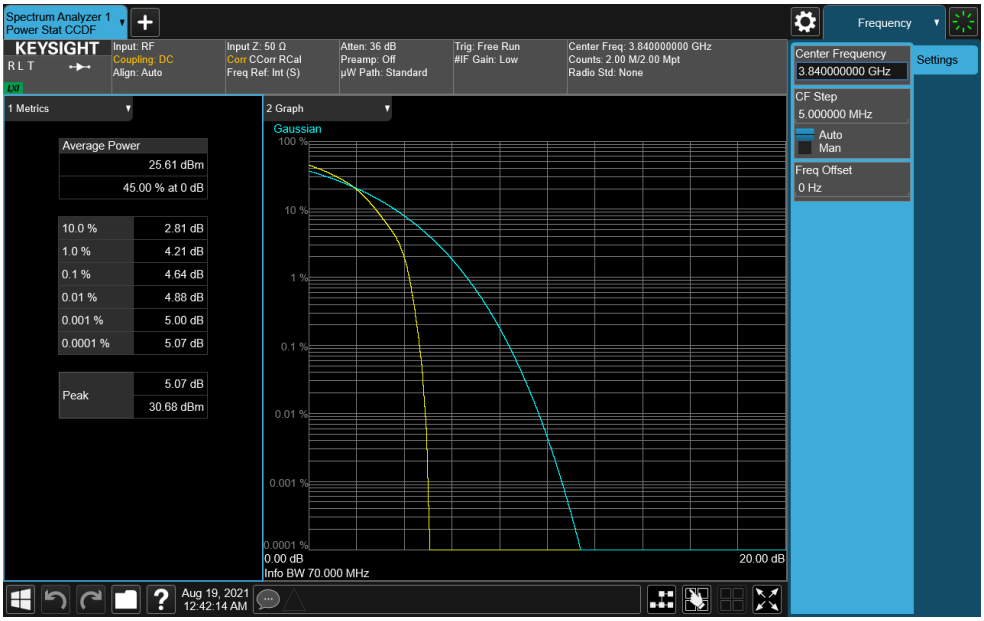
Plot 7-207. PAR Plot (NR Band n77 - 60MHz CP-OFDM 64-QAM - Full RB)



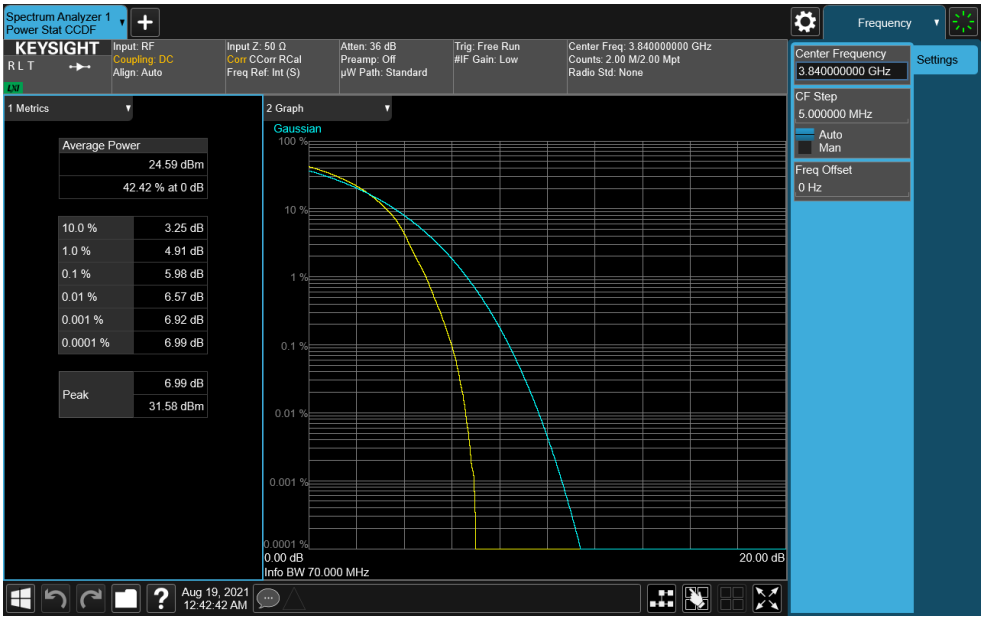
Plot 7-208. PAR Plot (NR Band n77 - 60MHz CP-OFDM 256-QAM - Full RB)



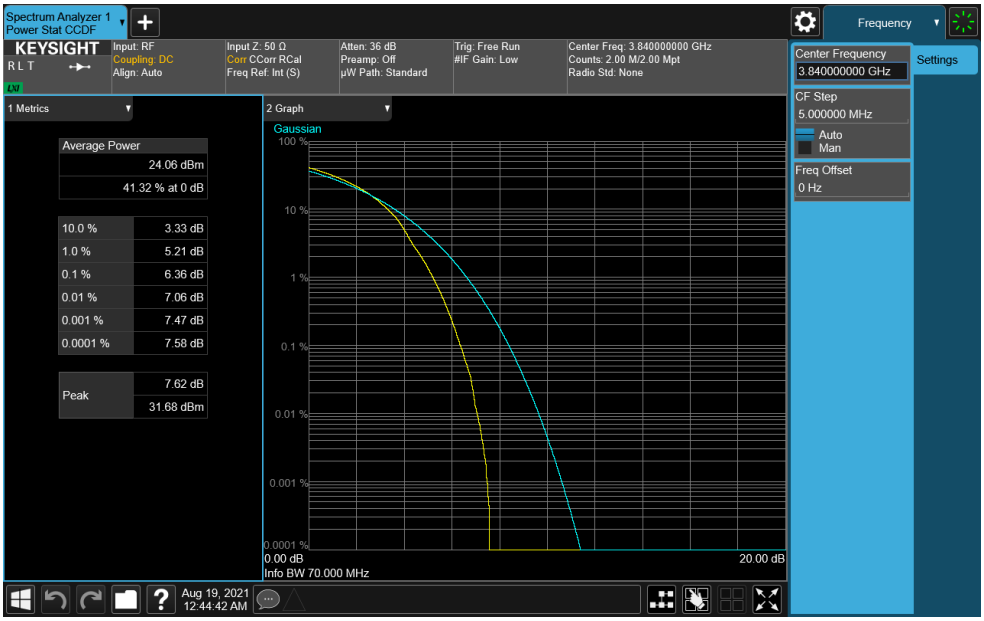
Plot 7-209. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM π/2 BPSK - Full RB)



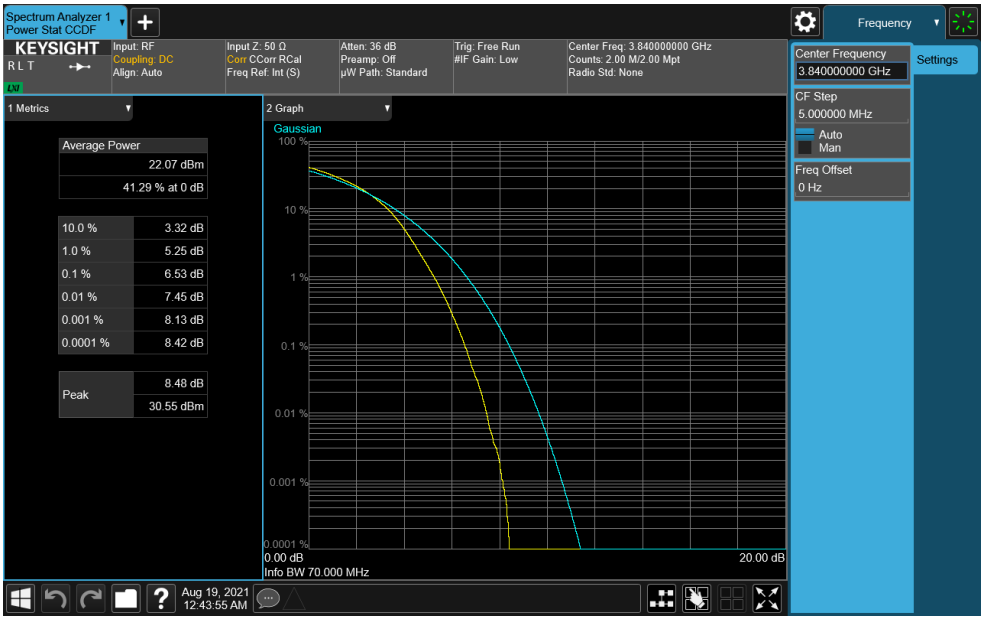
Plot 7-210. PAR Plot (NR Band n77 - 70MHz CP-OFDM QPSK - Full RB)



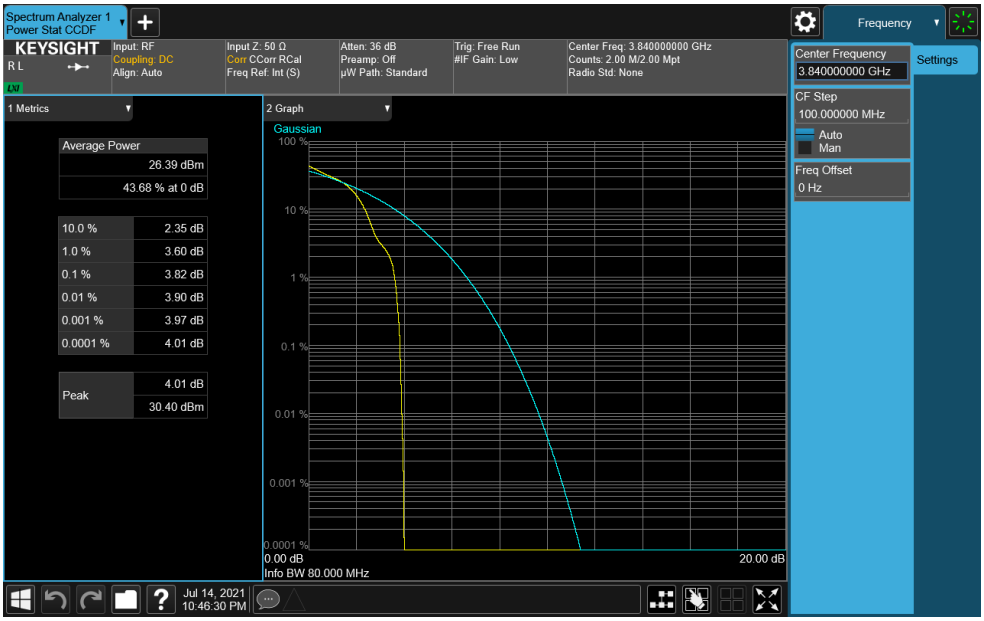
Plot 7-211. PAR Plot (NR Band n77 - 70MHz CP-OFDM 16-QAM - Full RB)



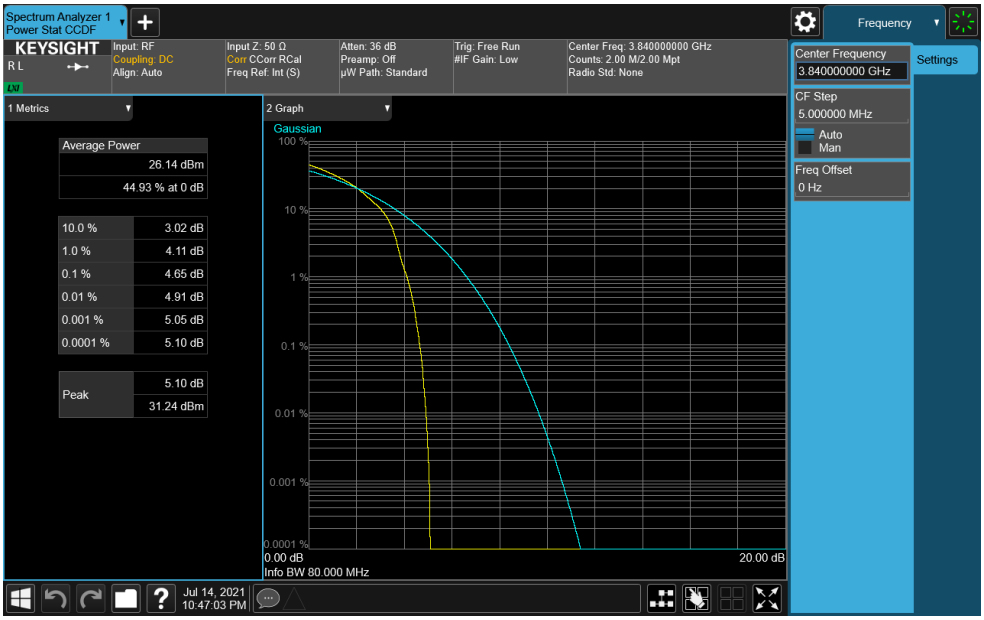
Plot 7-212. PAR Plot (NR Band n77 - 70MHz CP-OFDM 64-QAM - Full RB)



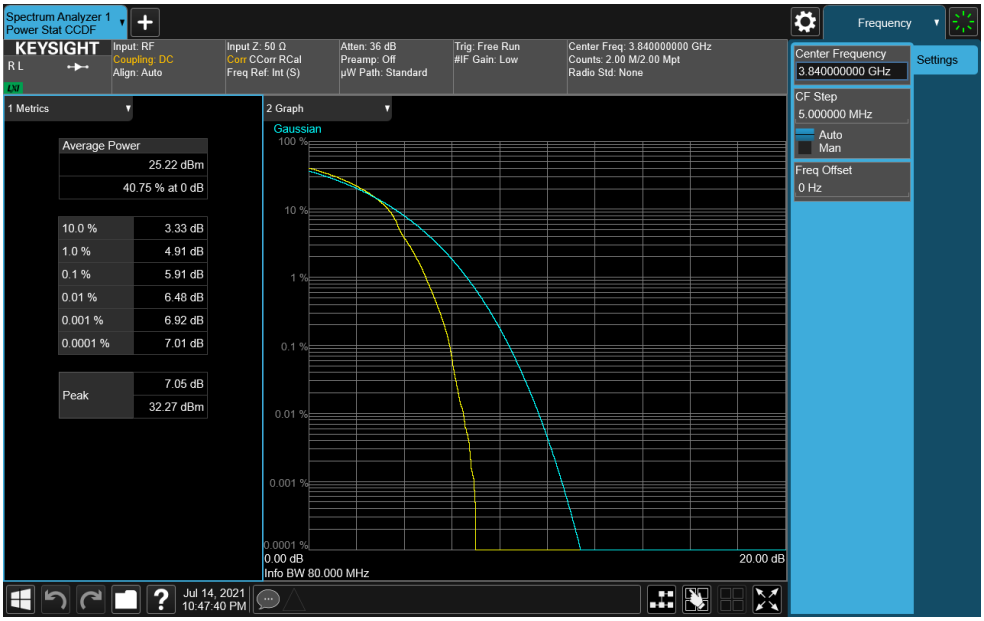
Plot 7-213. PAR Plot (NR Band n77 - 70MHz CP-OFDM 256-QAM - Full RB)



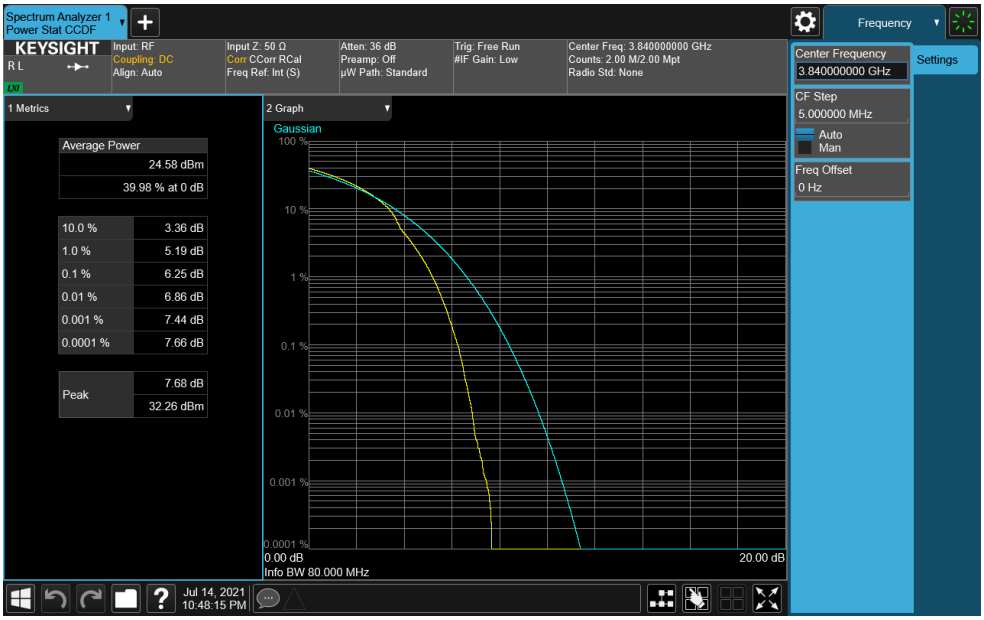
Plot 7-214. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM π/2 BPSK - Full RB)



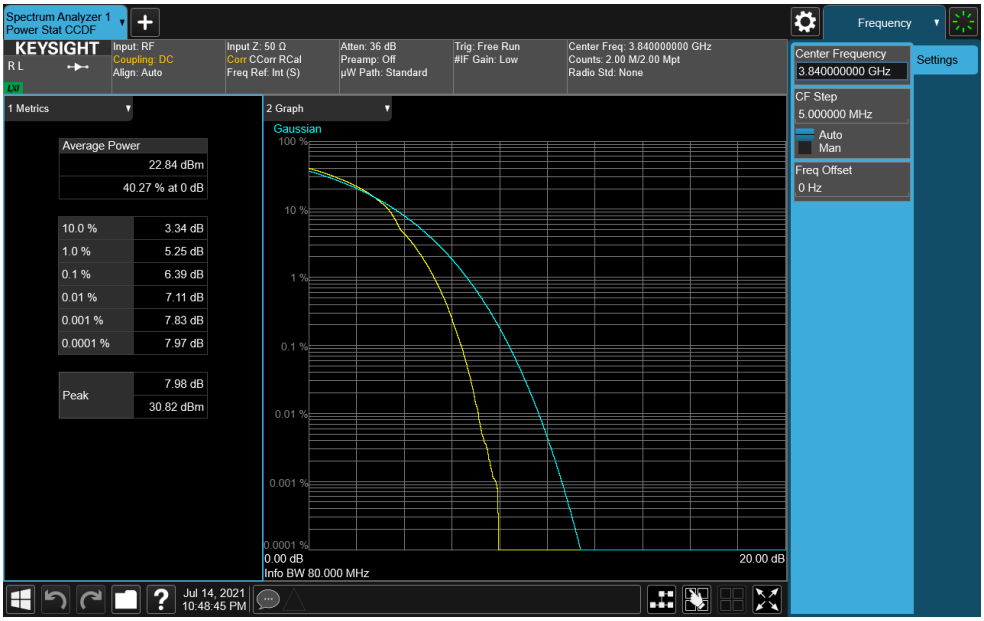
Plot 7-215. PAR Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB)



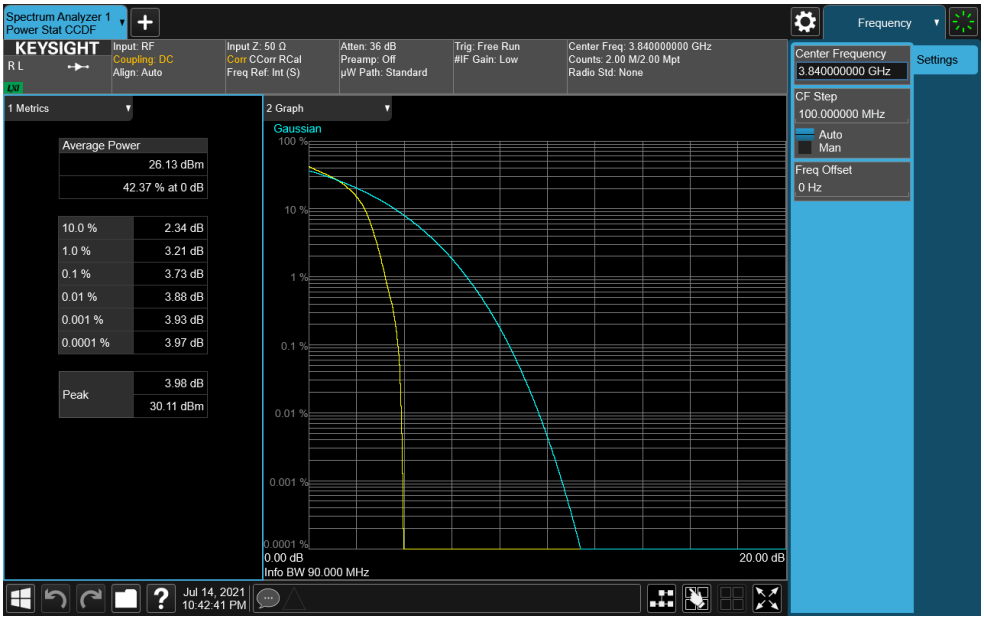
Plot 7-216. PAR Plot (NR Band n77 - 80MHz CP-OFDM 16-QAM - Full RB)



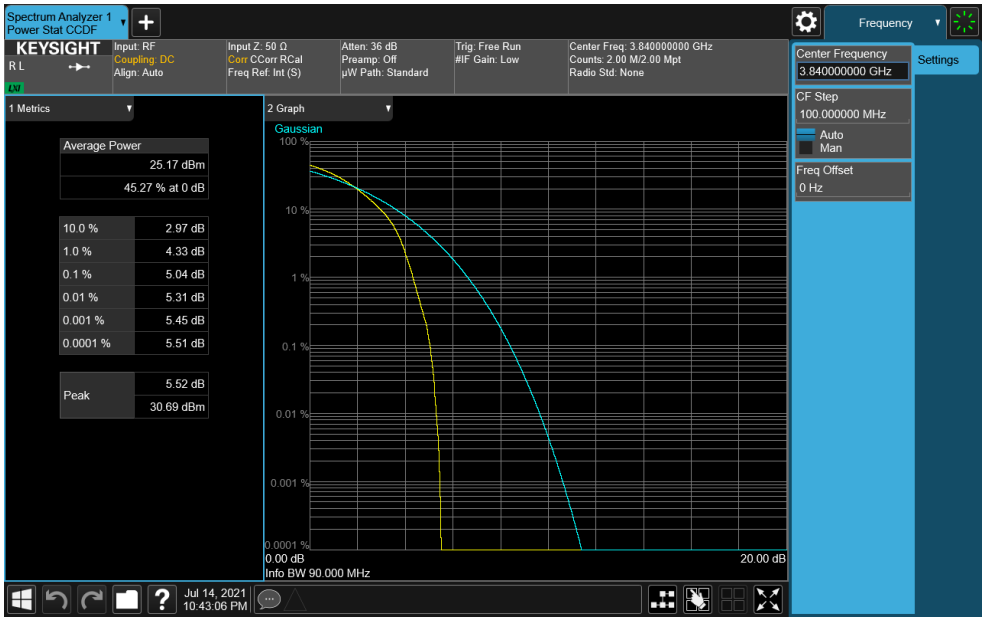
Plot 7-217. PAR Plot (NR Band n77 - 80MHz CP-OFDM 64-QAM - Full RB)



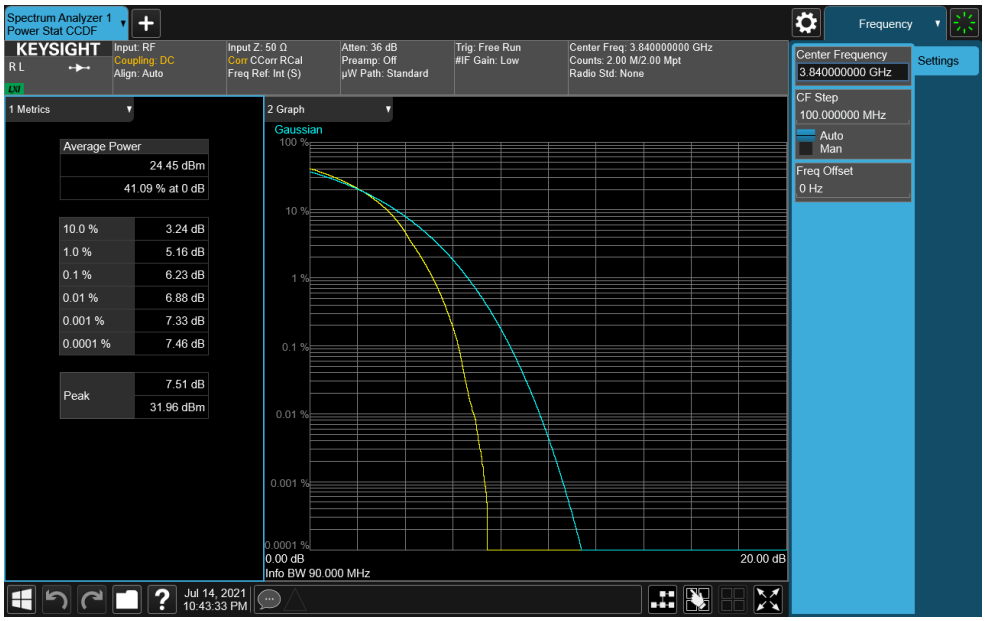
Plot 7-218. PAR Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB)



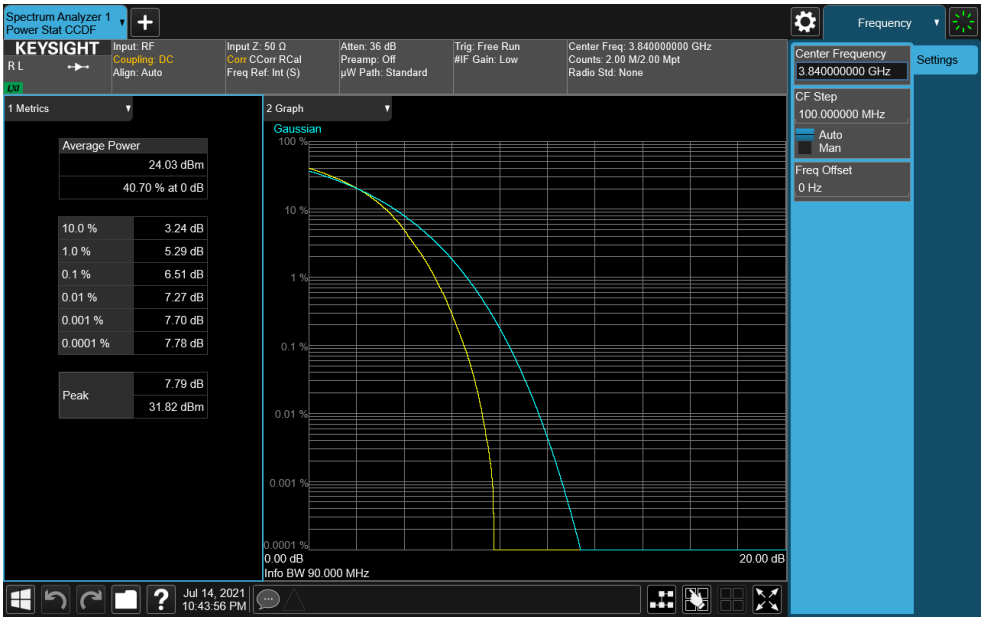
Plot 7-219. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM π/2 BPSK - Full RB)



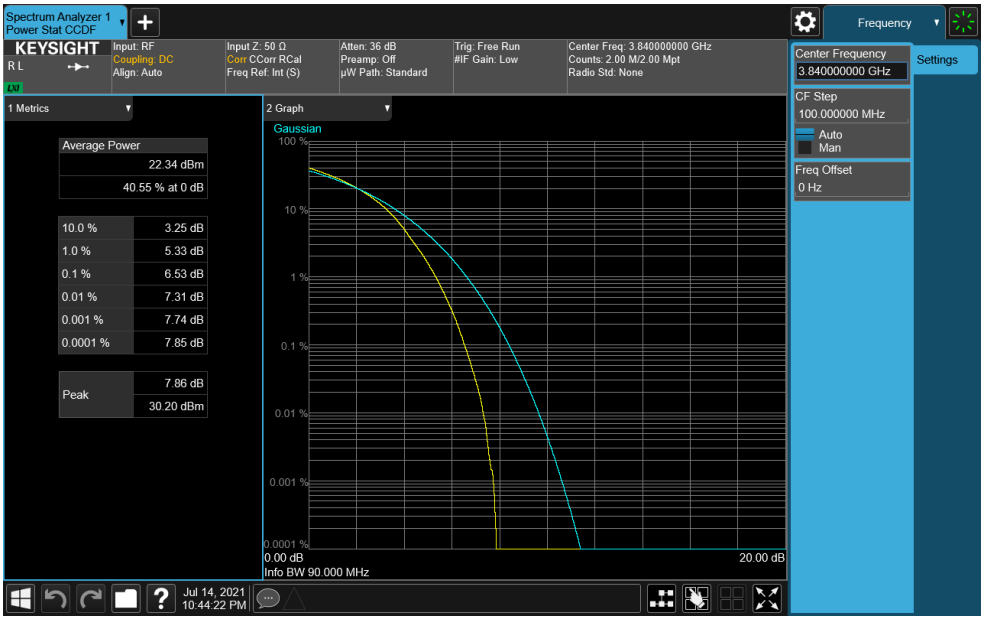
Plot 7-220. PAR Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB)



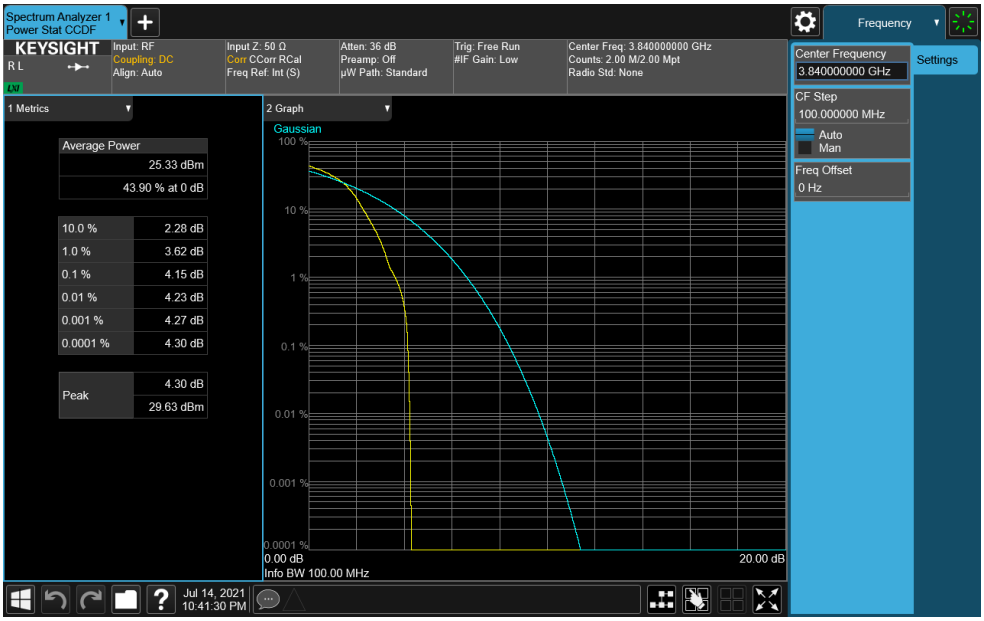
Plot 7-221. PAR Plot (NR Band n77 - 90MHz CP-OFDM 16-QAM - Full RB)



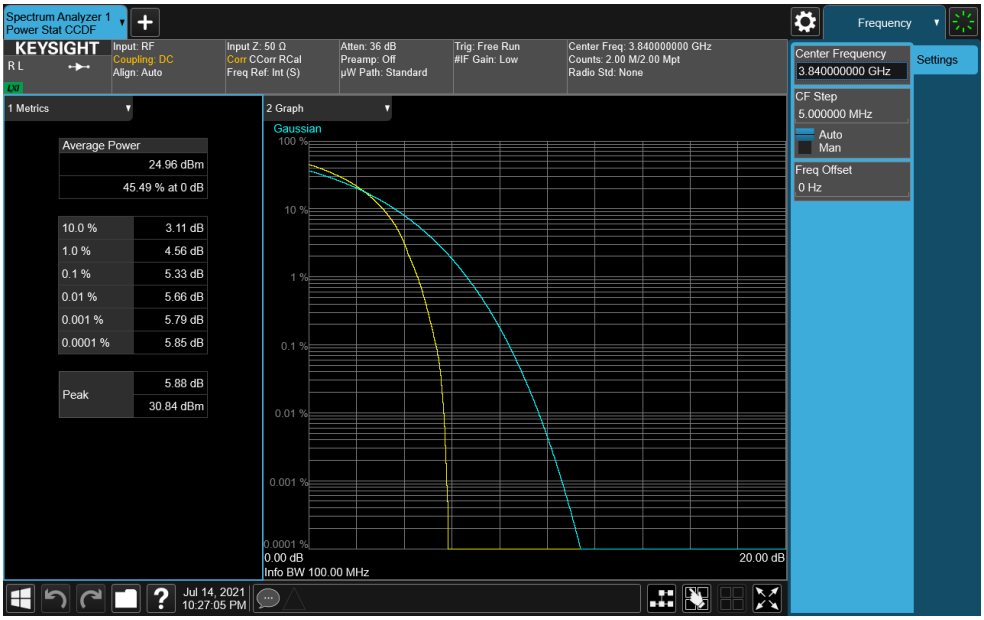
Plot 7-222. PAR Plot (NR Band n77 - 90MHz CP-OFDM 64-QAM - Full RB)



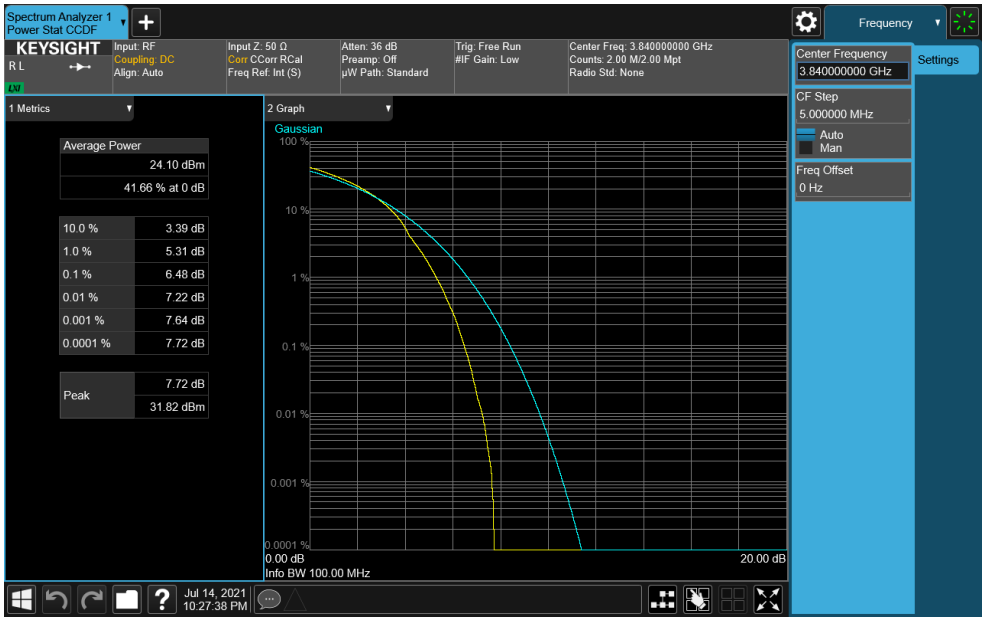
Plot 7-223. PAR Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB)



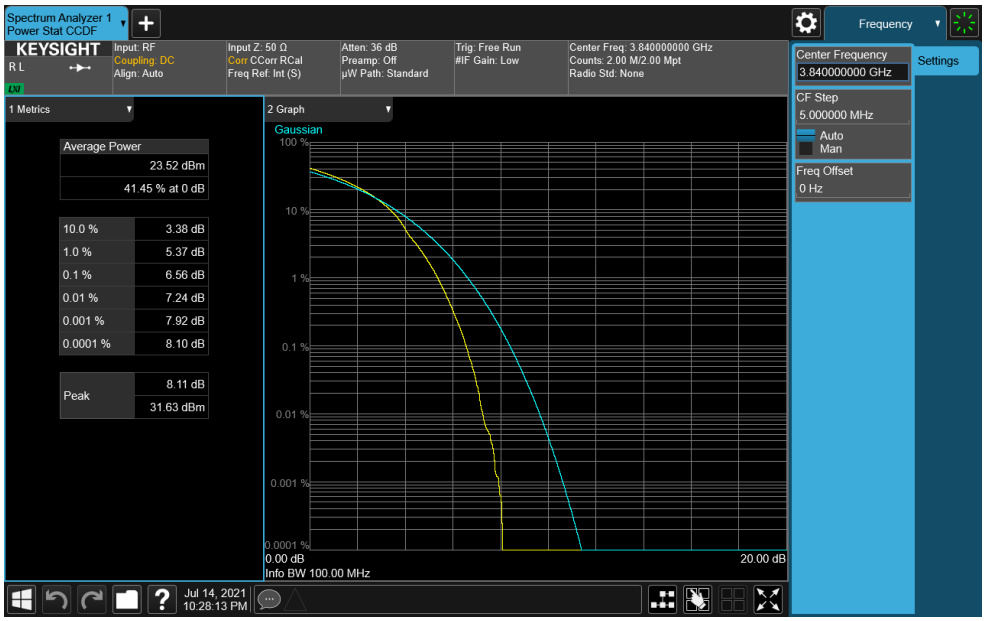
Plot 7-224. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



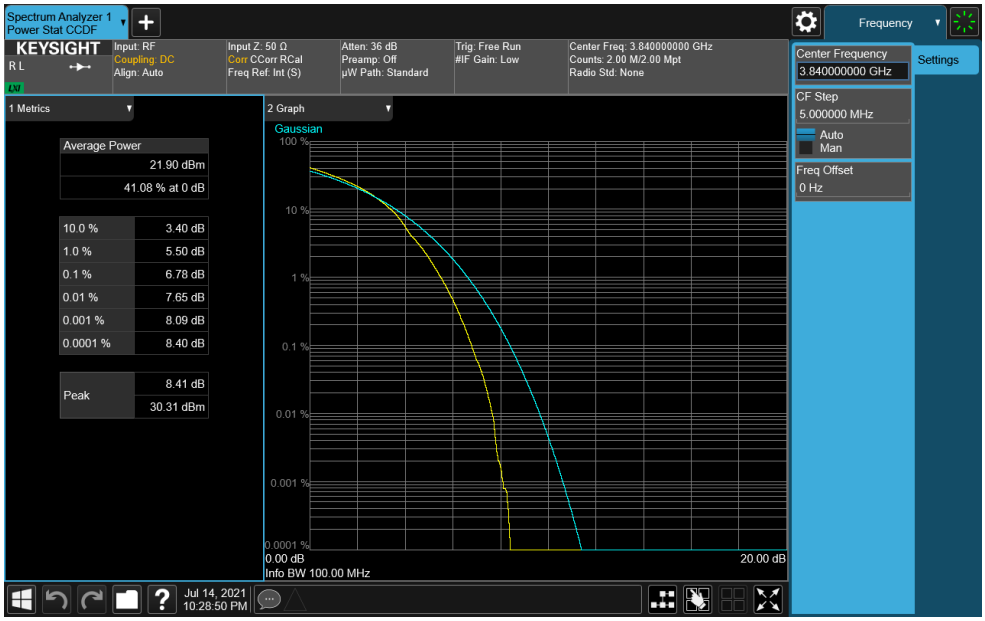
Plot 7-225. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB)



Plot 7-226. PAR Plot (NR Band n77 - 100MHz CP-OFDM 16-QAM - Full RB)



Plot 7-227. PAR Plot (NR Band n77 - 100MHz CP-OFDM 64-QAM - Full RB)



Plot 7-228. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB)

7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

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.

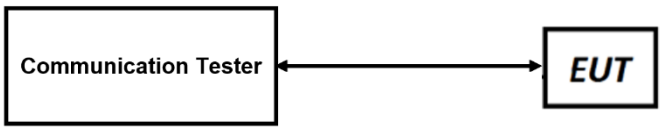


Figure 7-5. EIRP Measurement Setup

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. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

7.6.1 Antenna 3a – EIRP

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	3460	2.60	1 / 37	25.95	28.55	0.716	33.01	-4.46
		3500	2.60	1 / 25	26.20	28.80	0.759	33.01	-4.21
		3540	2.60	1 / 37	26.13	28.73	0.747	33.01	-4.28
	QPSK	3460	2.60	1 / 13	26.20	28.80	0.758	33.01	-4.21
		3500	2.60	1 / 13	26.20	**28.80**	0.759	33.01	-4.21
		3540	2.60	1 / 13	26.08	28.68	0.738	33.01	-4.33
	16-QAM	3500	2.60	1 / 37	25.57	28.17	0.656	33.01	-4.84
	64-QAM	3540	2.60	1 / 25	24.47	27.07	0.510	33.01	-5.94
	256-QAM	3540	2.60	1 / 13	22.34	24.94	0.312	33.01	-8.07
30 MHz	π/2 BPSK	3465	2.60	1 / 58	25.95	28.55	0.716	33.01	-4.46
		3500	2.60	1 / 19	26.18	28.78	0.755	33.01	-4.23
		3535	2.60	1 / 19	26.12	28.72	0.745	33.01	-4.29
	QPSK	3465	2.60	1 / 19	26.16	28.76	0.752	33.01	-4.25
		3500	2.60	1 / 19	26.09	28.69	0.740	33.01	-4.32
		3535	2.60	1 / 19	26.20	**28.80**	0.759	33.01	-4.21
	16-QAM	3500	2.60	1 / 39	25.68	28.28	0.673	33.01	-4.73
	64-QAM	3465	2.60	1 / 19	24.13	26.73	0.471	33.01	-6.28
	256-QAM	3500	2.60	1 / 19	22.38	24.98	0.315	33.01	-8.03
40 MHz	π/2 BPSK	3470	2.60	1 / 79	26.13	28.73	0.746	33.01	-4.28
		3500	2.60	1 / 53	26.14	28.74	0.749	33.01	-4.27
		3530	2.60	1 / 26	26.20	**28.80**	0.759	33.01	-4.21
	QPSK	3470	2.60	1 / 26	26.07	28.67	0.737	33.01	-4.34
		3500	2.60	1 / 26	26.19	28.79	0.756	33.01	-4.23
		3530	2.60	1 / 79	26.13	28.73	0.746	33.01	-4.28
	16-QAM	3500	2.60	1 / 26	25.57	28.17	0.656	33.01	-4.84
	64-QAM	3500	2.60	1 / 26	24.36	26.96	0.497	33.01	-6.05
	256-QAM	3500	2.60	1 / 26	22.40	25.00	0.316	33.01	-8.01
50 MHz	π/2 BPSK	3475	2.60	1 / 99	26.03	28.63	0.729	33.01	-4.38
		3500	2.60	1 / 99	26.15	28.75	0.750	33.01	-4.26
		3525	2.60	1 / 33	26.18	28.78	0.754	33.01	-4.23
	QPSK	3475	2.60	1 / 99	26.12	28.72	0.745	33.01	-4.29
		3500	2.60	1 / 99	26.20	**28.80**	0.759	33.01	-4.21
		3525	2.60	1 / 33	26.18	28.78	0.755	33.01	-4.23
	16-QAM	3500	2.60	1 / 99	25.63	28.23	0.665	33.01	-4.78
	64-QAM	3475	2.60	1 / 33	24.20	26.80	0.478	33.01	-6.22
	256-QAM	3500	2.60	1 / 99	22.31	24.91	0.310	33.01	-8.10
60 MHz	π/2 BPSK	3480	2.60	1 / 40	26.02	28.62	0.728	33.01	-4.39
		3500	2.60	1 / 40	26.06	28.66	0.735	33.01	-4.35
		3520	2.60	1 / 40	26.12	28.72	0.745	33.01	-4.29
	QPSK	3480	2.60	1 / 40	26.10	28.70	0.742	33.01	-4.31
		3500	2.60	1 / 81	26.20	**28.80**	0.759	33.01	-4.21
		3520	2.60	1 / 121	26.15	28.75	0.749	33.01	-4.26
	16-QAM	3500	2.60	1 / 121	25.51	28.11	0.647	33.01	-4.90
	64-QAM	3500	2.60	1 / 121	24.36	26.96	0.497	33.01	-6.05
	256-QAM	3500	2.60	1 / 121	22.46	25.06	0.320	33.01	-7.95
70 MHz	π/2 BPSK	3485	2.60	1 / 94	26.06	28.66	0.735	33.01	-4.35
		3500	2.60	1 / 47	26.19	28.79	0.757	33.01	-4.22
		3515	2.60	1 / 94	26.11	28.71	0.743	33.01	-4.30
	QPSK	3485	2.60	1 / 94	26.02	28.62	0.728	33.01	-4.39
		3500	2.60	1 / 47	26.16	28.76	0.752	33.01	-4.25
		3515	2.60	1 / 47	26.20	**28.80**	0.759	33.01	-4.21
	16-QAM	3500	2.60	1 / 94	25.49	28.09	0.644	33.01	-4.92
	64-QAM	3500	2.60	1 / 94	24.09	26.69	0.467	33.01	-6.32
	256-QAM	3500	2.60	1 / 141	22.18	24.78	0.301	33.01	-8.23
80 MHz	π/2 BPSK	3490	2.60	1 / 108	26.04	28.64	0.731	33.01	-4.37
		3500	2.60	1 / 162	26.20	**28.80**	0.759	33.01	-4.21
		3510	2.60	1 / 54	25.99	28.59	0.723	33.01	-4.42
	QPSK	3490	2.60	1 / 54	25.99	28.59	0.722	33.01	-4.42
		3500	2.60	1 / 54	25.99	28.59	0.722	33.01	-4.42
		3510	2.60	1 / 54	26.08	28.68	0.738	33.01	-4.33
	16-QAM	3500	2.60	1 / 54	25.79	28.39	0.691	33.01	-4.62
	64-QAM	3500	2.60	1 / 108	24.67	27.27	0.534	33.01	-5.74
	256-QAM	3510	2.60	1 / 54	22.59	25.19	0.330	33.01	-7.82
90 MHz	π/2 BPSK	3495	2.60	1 / 61	26.13	28.73	0.746	33.01	-4.28
		3500	2.60	1 / 122	26.20	**28.80**	0.759	33.01	-4.21
		3505	2.60	1 / 61	26.04	28.64	0.731	33.01	-4.37
	QPSK	3495	2.60	1 / 61	25.88	28.48	0.705	33.01	-4.53
		3500	2.60	1 / 122	26.10	28.70	0.741	33.01	-4.31
		3505	2.60	1 / 122	26.17	28.77	0.753	33.01	-4.25
	16-QAM	3495	2.60	1 / 183	25.48	28.08	0.643	33.01	-4.93
	64-QAM	3495	2.60	1 / 122	24.37	26.97	0.498	33.01	-6.04
	256-QAM	3500	2.60	1 / 122	22.08	24.68	0.294	33.01	-8.33
100 MHz	π/2 BPSK	3500	2.60	1 / 68	26.18	28.78	0.754	33.01	-4.23
	QPSK	3500	2.60	1 / 68	26.12	28.72	0.745	33.01	-4.29
	16-QAM	3500	2.60	1 / 136	25.60	28.20	0.661	33.01	-4.81
	64-QAM	3500	2.60	1 / 204	24.08	26.68	0.466	33.01	-6.33
	256-QAM	3500	2.60	1 / 136	22.12	24.72	0.297	33.01	-8.29

Table 7-2. EIRP Data (NR Band n77 (PC2) - DoD-Band)

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	3460	2.60	1 / 37	25.08	27.68	0.586	33.01	-5.33
		3500	2.60	1 / 25	25.70	**28.30**	0.676	33.01	-4.71
		3540	2.60	1 / 13	25.47	28.07	0.642	33.01	-4.94
	QPSK	3460	2.60	1 / 13	25.16	27.76	0.598	33.01	-5.25
		3500	2.60	1 / 25	25.49	28.09	0.643	33.01	-4.93
		3540	2.60	1 / 13	25.21	27.81	0.604	33.01	-5.20
	16-QAM	3500	2.60	1 / 37	24.21	26.81	0.479	33.01	-6.20
	64-QAM	3500	2.60	1 / 37	23.93	26.53	0.449	33.01	-6.49
	256-QAM	3500	2.60	1 / 37	21.94	24.54	0.284	33.01	-8.47
30 MHz	π/2 BPSK	3465	2.60	1 / 39	25.28	27.88	0.613	33.01	-5.13
		3500	2.60	1 / 19	25.70	**28.30**	0.676	33.01	-4.71
		3535	2.60	1 / 39	25.41	28.01	0.633	33.01	-5.00
	QPSK	3465	2.60	1 / 58	25.41	28.01	0.632	33.01	-5.00
		3500	2.60	1 / 19	25.61	28.21	0.663	33.01	-4.80
		3535	2.60	1 / 19	25.45	28.05	0.638	33.01	-4.96
	16-QAM	3535	2.60	1 / 19	23.95	26.55	0.452	33.01	-6.46
	64-QAM	3500	2.60	1 / 58	23.08	25.68	0.370	33.01	-7.33
	256-QAM	3535	2.60	1 / 19	20.94	23.54	0.226	33.01	-9.47
40 MHz	π/2 BPSK	3470	2.60	1 / 26	25.36	27.96	0.625	33.01	-5.05
		3500	2.60	1 / 79	25.67	28.27	0.671	33.01	-4.74
		3530	2.60	1 / 79	25.25	27.85	0.609	33.01	-5.16
	QPSK	3470	2.60	1 / 79	25.63	28.23	0.665	33.01	-4.79
		3500	2.60	1 / 79	25.70	**28.30**	0.676	33.01	-4.71
		3530	2.60	1 / 79	25.46	28.06	0.639	33.01	-4.95
	16-QAM	3500	2.60	1 / 26	24.85	27.45	0.556	33.01	-5.56
	64-QAM	3470	2.60	1 / 79	23.73	26.33	0.429	33.01	-6.68
	256-QAM	3470	2.60	1 / 79	21.06	23.66	0.233	33.01	-9.35
50 MHz	π/2 BPSK	3475	2.60	1 / 99	25.08	27.68	0.586	33.01	-5.33
		3500	2.60	1 / 66	25.70	**28.30**	0.676	33.01	-4.71
		3525	2.60	1 / 33	25.47	28.07	0.642	33.01	-4.94
	QPSK	3475	2.60	1 / 33	25.16	27.76	0.598	33.01	-5.25
		3500	2.60	1 / 66	25.49	28.09	0.643	33.01	-4.93
		3525	2.60	1 / 33	25.21	27.81	0.604	33.01	-5.20
	16-QAM	3500	2.60	1 / 99	24.21	26.81	0.479	33.01	-6.20
	64-QAM	3500	2.60	1 / 66	23.13	25.73	0.374	33.01	-7.28
	256-QAM	3500	2.60	1 / 33	20.54	23.14	0.206	33.01	-9.87
60 MHz	π/2 BPSK	3480	2.60	1 / 121	25.40	28.00	0.631	33.01	-5.01
		3500	2.60	1 / 81	25.53	28.13	0.650	33.01	-4.88
		3520	2.60	1 / 81	25.49	28.09	0.645	33.01	-4.92
	QPSK	3480	2.60	1 / 40	25.46	28.06	0.640	33.01	-4.95
		3500	2.60	1 / 81	25.70	**28.30**	0.676	33.01	-4.71
		3520	2.60	1 / 40	25.54	28.14	0.651	33.01	-4.87
	16-QAM	3520	2.60	1 / 40	24.55	27.15	0.519	33.01	-5.86
	64-QAM	3520	2.60	1 / 40	24.06	26.66	0.463	33.01	-6.35
	256-QAM	3520	2.60	1 / 40	22.04	24.64	0.291	33.01	-8.37
70 MHz	π/2 BPSK	3485	2.60	1 / 141	25.34	27.94	0.622	33.01	-5.07
		3500	2.60	1 / 47	25.56	28.16	0.655	33.01	-4.85
		3515	2.60	1 / 94	25.30	27.90	0.616	33.01	-5.11
	QPSK	3485	2.60	1 / 141	25.53	28.13	0.649	33.01	-4.89
		3500	2.60	1 / 94	25.70	**28.30**	0.676	33.01	-4.71
		3515	2.60	1 / 141	25.56	28.16	0.655	33.01	-4.85
	16-QAM	3515	2.60	1 / 141	24.57	27.17	0.522	33.01	-5.84
	64-QAM	3515	2.60	1 / 141	23.95	26.55	0.452	33.01	-6.46
	256-QAM	3515	2.60	1 / 47	21.88	24.48	0.281	33.01	-8.53
80 MHz	π/2 BPSK	3490	2.60	1 / 108	25.56	28.16	0.654	33.01	-4.85
		3500	2.60	1 / 108	25.60	28.20	0.661	33.01	-4.81
		3510	2.60	1 / 54	25.70	**28.30**	0.676	33.01	-4.71
	QPSK	3490	2.60	1 / 54	25.38	27.98	0.628	33.01	-5.03
		3500	2.60	1 / 54	25.55	28.15	0.652	33.01	-4.86
		3510	2.60	1 / 108	25.68	28.28	0.672	33.01	-4.73
	16-QAM	3510	2.60	1 / 54	24.32	26.92	0.492	33.01	-6.09
	64-QAM	3510	2.60	1 / 54	23.82	26.42	0.438	33.01	-6.59
	256-QAM	3510	2.60	1 / 54	21.84	24.44	0.278	33.01	-8.57
90 MHz	π/2 BPSK	3495	2.60	1 / 122	25.58	28.18	0.658	33.01	-4.83
		3500	2.60	1 / 61	25.70	**28.30**	0.676	33.01	-4.71
		3505	2.60	1 / 183	25.35	27.95	0.624	33.01	-5.06
	QPSK	3495	2.60	1 / 122	25.53	28.13	0.650	33.01	-4.88
		3500	2.60	1 / 61	25.47	28.07	0.642	33.01	-4.94
		3505	2.60	1 / 122	25.45	28.05	0.639	33.01	-4.96
	16-QAM	3500	2.60	1 / 61	24.40	27.00	0.502	33.01	-6.01
	64-QAM	3500	2.60	1 / 61	23.93	26.53	0.449	33.01	-6.49
	256-QAM	3500	2.60	1 / 122	21.94	24.54	0.284	33.01	-8.47
100 MHz	π/2 BPSK	3500	2.60	1 / 68	25.29	27.89	0.615	33.01	-5.12
	QPSK	3500	2.60	1 / 68	25.70	**28.30**	0.676	33.01	-4.71
	16-QAM	3500	2.60	1 / 136	24.69	27.29	0.535	33.01	-5.72
	64-QAM	3500	2.60	1 / 136	24.18	26.78	0.477	33.01	-6.23
	256-QAM	3500	2.60	1 / 136	22.23	24.83	0.304	33.01	-8.18

Table 7-3. EIRP Data (NR Band n77 (PC3) - DoD-Band)

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	3710	2.60	1 / 13	26.02	28.62	0.728	33.01	-4.39
		3840	2.60	1 / 25	26.17	28.77	0.753	33.01	-4.24
		3970	2.60	1 / 25	26.15	28.75	0.749	33.01	-4.26
	QPSK	3710	2.60	1 / 37	26.10	28.70	0.742	33.01	-4.31
		3840	2.60	1 / 37	26.20	**28.80**	0.759	33.01	-4.21
		3970	2.60	1 / 25	26.19	28.79	0.757	33.01	-4.22
	16-QAM	3840	2.60	1 / 13	25.92	28.52	0.711	33.01	-4.49
	64-QAM	3710	2.60	1 / 13	24.93	27.53	0.566	33.01	-5.48
	256-QAM	3970	2.60	1 / 25	23.03	25.63	0.365	33.01	-7.38
30 MHz	π/2 BPSK	3715	2.60	1 / 39	25.96	28.56	0.719	33.01	-4.45
		3840	2.60	1 / 39	26.20	**28.80**	0.759	33.01	-4.21
		3965	2.60	1 / 19	26.16	28.76	0.751	33.01	-4.25
	QPSK	3715	2.60	1 / 39	25.96	28.56	0.718	33.01	-4.45
		3840	2.60	1 / 39	26.18	28.78	0.755	33.01	-4.23
		3965	2.60	1 / 39	26.19	28.79	0.757	33.01	-4.22
	16-QAM	3965	2.60	1 / 39	25.56	28.16	0.655	33.01	-4.85
	64-QAM	3840	2.60	1 / 39	24.75	27.35	0.543	33.01	-5.67
	256-QAM	3965	2.60	1 / 39	22.76	25.36	0.343	33.01	-7.65
40 MHz	π/2 BPSK	3720	2.60	1 / 79	26.17	28.77	0.754	33.01	-4.24
		3840	2.60	1 / 79	26.20	28.80	0.758	33.01	-4.21
		3960	2.60	1 / 53	26.04	28.64	0.731	33.01	-4.37
	QPSK	3720	2.60	1 / 53	26.20	**28.80**	0.759	33.01	-4.21
		3840	2.60	1 / 26	26.19	28.79	0.757	33.01	-4.22
		3960	2.60	1 / 79	26.16	28.76	0.752	33.01	-4.25
	16-QAM	3840	2.60	1 / 79	25.45	28.05	0.638	33.01	-4.96
	64-QAM	3960	2.60	1 / 26	24.36	26.96	0.497	33.01	-6.05
	256-QAM	3960	2.60	1 / 26	23.13	25.73	0.374	33.01	-7.28
50 MHz	π/2 BPSK	3725	2.60	1 / 33	26.17	28.77	0.753	33.01	-4.24
		3840	2.60	1 / 33	26.19	28.79	0.757	33.01	-4.22
		3955	2.60	1 / 33	26.14	28.74	0.748	33.01	-4.27
	QPSK	3725	2.60	1 / 99	26.20	**28.80**	0.759	33.01	-4.21
		3840	2.60	1 / 99	26.15	28.75	0.749	33.01	-4.26
		3955	2.60	1 / 33	26.14	28.74	0.748	33.01	-4.27
	16-QAM	3840	2.60	1 / 99	25.73	28.33	0.680	33.01	-4.68
	64-QAM	3725	2.60	1 / 99	24.76	27.36	0.545	33.01	-5.65
	256-QAM	3725	2.60	1 / 66	22.36	24.96	0.313	33.01	-8.06
60 MHz	π/2 BPSK	3730	2.60	1 / 81	26.16	28.76	0.751	33.01	-4.25
		3840	2.60	1 / 121	26.16	28.76	0.751	33.01	-4.25
		3950	2.60	1 / 121	25.87	28.47	0.702	33.01	-4.54
	QPSK	3730	2.60	1 / 40	26.20	**28.80**	0.759	33.01	-4.21
		3840	2.60	1 / 40	26.18	28.78	0.754	33.01	-4.24
		3950	2.60	1 / 121	26.06	28.66	0.734	33.01	-4.35
	16-QAM	3730	2.60	1 / 81	25.62	28.22	0.664	33.01	-4.79
	64-QAM	3730	2.60	1 / 40	25.32	27.92	0.620	33.01	-5.09
	256-QAM	3730	2.60	1 / 81	22.44	25.04	0.319	33.01	-7.97
70 MHz	π/2 BPSK	3735	2.60	1 / 141	26.13	28.73	0.747	33.01	-4.28
		3840	2.60	1 / 94	26.12	28.72	0.744	33.01	-4.29
		3945	2.60	1 / 47	26.15	28.75	0.750	33.01	-4.26
	QPSK	3735	2.60	1 / 94	26.18	28.78	0.755	33.01	-4.23
		3840	2.60	1 / 47	26.20	**28.80**	0.759	33.01	-4.21
		3945	2.60	1 / 94	26.13	28.73	0.746	33.01	-4.28
	16-QAM	3735	2.60	1 / 94	25.44	28.04	0.637	33.01	-4.97
	64-QAM	3735	2.60	1 / 141	24.47	27.07	0.510	33.01	-5.94
	256-QAM	3735	2.60	1 / 94	21.83	24.43	0.278	33.01	-8.58
80 MHz	π/2 BPSK	3740	2.60	1 / 108	26.15	28.75	0.750	33.01	-4.26
		3840	2.60	1 / 162	26.15	28.75	0.749	33.01	-4.27
		3940	2.60	1 / 108	26.16	28.76	0.752	33.01	-4.25
	QPSK	3740	2.60	1 / 54	26.20	**28.80**	0.759	33.01	-4.21
		3840	2.60	1 / 54	26.17	28.77	0.754	33.01	-4.24
		3940	2.60	1 / 54	26.16	28.76	0.752	33.01	-4.25
	16-QAM	3940	2.60	1 / 108	25.71	28.31	0.678	33.01	-4.70
	64-QAM	3940	2.60	1 / 162	25.44	28.04	0.636	33.01	-4.97
	256-QAM	3840	2.60	1 / 108	22.65	25.25	0.335	33.01	-7.76
90 MHz	π/2 BPSK	3745	2.60	1 / 61	26.19	28.79	0.757	33.01	-4.22
		3840	2.60	1 / 122	26.11	28.71	0.743	33.01	-4.30
		3935	2.60	1 / 122	26.16	28.76	0.751	33.01	-4.25
	QPSK	3745	2.60	1 / 122	26.12	28.72	0.744	33.01	-4.29
		3840	2.60	1 / 61	26.20	**28.80**	0.759	33.01	-4.21
		3935	2.60	1 / 122	26.16	28.76	0.752	33.01	-4.25
	16-QAM	3840	2.60	1 / 183	25.43	28.03	0.636	33.01	-4.98
	64-QAM	3935	2.60	1 / 61	24.10	26.70	0.468	33.01	-6.31
	256-QAM	3745	2.60	1 / 122	21.31	23.91	0.246	33.01	-9.10
100 MHz	π/2 BPSK	3750	2.60	1 / 204	26.12	28.72	0.745	33.01	-4.29
		3840	2.60	1 / 204	26.04	28.64	0.732	33.01	-4.37
		3930	2.60	1 / 204	25.87	28.47	0.702	33.01	-4.54
	QPSK	3750	2.60	1 / 136	26.12	28.72	0.744	33.01	-4.29
		3840	2.60	1 / 68	26.20	**28.80**	0.759	33.01	-4.21
		3930	2.60	1 / 136	26.16	28.76	0.752	33.01	-4.25
	16-QAM	3750	2.60	1 / 136	25.44	28.04	0.637	33.01	-4.97
	64-QAM	3840	2.60	1 / 204	24.43	27.03	0.505	33.01	-5.98
	256-QAM	3930	2.60	1 / 136	23.03	25.63	0.365	33.01	-7.38

Table 7-4. EIRP Data (NR Band n77 (PC2) - C-Band)

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	3710	2.60	1 / 13	25.53	28.13	0.650	33.01	-4.88
		3840	2.60	1 / 37	25.70	**28.30**	0.676	33.01	-4.71
		3970	2.60	1 / 13	25.30	27.90	0.617	33.01	-5.11
	QPSK	3710	2.60	1 / 13	25.04	27.64	0.581	33.01	-5.37
		3840	2.60	1 / 25	25.34	27.94	0.623	33.01	-5.07
		3970	2.60	1 / 37	25.68	28.28	0.674	33.01	-4.73
	16-QAM	3970	2.60	1 / 37	25.45	28.05	0.638	33.01	-4.96
	64-QAM	3840	2.60	1 / 25	23.64	26.24	0.421	33.01	-6.77
	256-QAM	3840	2.60	1 / 13	21.62	24.22	0.264	33.01	-8.79
30 MHz	π/2 BPSK	3715	2.60	1 / 19	25.67	28.27	0.671	33.01	-4.74
		3840	2.60	1 / 19	25.70	**28.30**	0.676	33.01	-4.71
		3965	2.60	1 / 19	25.20	27.80	0.602	33.01	-5.22
	QPSK	3715	2.60	1 / 58	25.65	28.25	0.668	33.01	-4.76
		3840	2.60	1 / 39	25.48	28.08	0.643	33.01	-4.93
		3965	2.60	1 / 39	25.59	28.19	0.659	33.01	-4.82
	16-QAM	3965	2.60	1 / 39	24.73	27.33	0.541	33.01	-5.68
	64-QAM	3840	2.60	1 / 19	23.78	26.38	0.434	33.01	-6.63
	256-QAM	3840	2.60	1 / 19	21.70	24.30	0.269	33.01	-8.71
40 MHz	π/2 BPSK	3720	2.60	1 / 26	25.58	28.18	0.658	33.01	-4.83
		3840	2.60	1 / 26	25.60	28.20	0.660	33.01	-4.81
		3960	2.60	1 / 79	25.64	28.24	0.667	33.01	-4.77
	QPSK	3720	2.60	1 / 53	25.65	28.25	0.668	33.01	-4.76
		3840	2.60	1 / 53	25.62	28.22	0.664	33.01	-4.79
		3960	2.60	1 / 26	25.70	**28.30**	0.676	33.01	-4.71
	16-QAM	3960	2.60	1 / 79	24.92	27.52	0.565	33.01	-5.49
	64-QAM	3840	2.60	1 / 26	23.63	26.23	0.420	33.01	-6.78
	256-QAM	3720	2.60	1 / 26	21.37	23.97	0.249	33.01	-9.04
50 MHz	π/2 BPSK	3725	2.60	1 / 66	25.70	**28.30**	0.676	33.01	-4.71
		3840	2.60	1 / 99	25.70	28.30	0.676	33.01	-4.71
		3955	2.60	1 / 99	25.57	28.17	0.656	33.01	-4.84
	QPSK	3725	2.60	1 / 33	25.69	28.29	0.674	33.01	-4.72
		3840	2.60	1 / 99	25.36	27.96	0.626	33.01	-5.05
		3955	2.60	1 / 66	25.60	28.20	0.660	33.01	-4.81
	16-QAM	3725	2.60	1 / 66	24.72	27.32	0.540	33.01	-5.69
	64-QAM	3840	2.60	1 / 33	23.57	26.17	0.414	33.01	-6.84
	256-QAM	3840	2.60	1 / 33	21.04	23.64	0.231	33.01	-9.37
60 MHz	π/2 BPSK	3730	2.60	1 / 121	25.40	28.00	0.632	33.01	-5.01
		3840	2.60	1 / 121	25.46	28.06	0.640	33.01	-4.95
		3950	2.60	1 / 81	25.42	28.02	0.634	33.01	-4.99
	QPSK	3730	2.60	1 / 81	25.70	**28.30**	0.676	33.01	-4.71
		3840	2.60	1 / 40	25.65	28.25	0.669	33.01	-4.76
		3950	2.60	1 / 121	25.26	27.86	0.610	33.01	-5.15
	16-QAM	3840	2.60	1 / 81	24.88	27.48	0.560	33.01	-5.53
	64-QAM	3840	2.60	1 / 81	23.35	25.95	0.393	33.01	-7.06
	256-QAM	3840	2.60	1 / 81	21.30	23.90	0.246	33.01	-9.11
70 MHz	π/2 BPSK	3735	2.60	1 / 94	25.51	28.11	0.647	33.01	-4.90
		3840	2.60	1 / 47	25.44	28.04	0.638	33.01	-4.97
		3945	2.60	1 / 47	25.63	28.23	0.666	33.01	-4.78
	QPSK	3735	2.60	1 / 94	25.39	27.99	0.629	33.01	-5.02
		3840	2.60	1 / 94	25.70	**28.30**	0.676	33.01	-4.71
		3945	2.60	1 / 94	25.48	28.08	0.643	33.01	-4.93
	16-QAM	3840	2.60	1 / 141	24.96	27.56	0.570	33.01	-5.45
	64-QAM	3840	2.60	1 / 47	23.31	25.91	0.390	33.01	-7.10
	256-QAM	3840	2.60	1 / 47	21.17	23.77	0.238	33.01	-9.24
80 MHz	π/2 BPSK	3740	2.60	1 / 54	25.64	28.24	0.666	33.01	-4.77
		3840	2.60	1 / 54	25.70	**28.30**	0.676	33.01	-4.71
		3940	2.60	1 / 108	25.45	28.05	0.639	33.01	-4.96
	QPSK	3740	2.60	1 / 162	25.68	28.28	0.674	33.01	-4.73
		3840	2.60	1 / 108	25.66	28.26	0.670	33.01	-4.75
		3940	2.60	1 / 54	25.66	28.26	0.671	33.01	-4.75
	16-QAM	3840	2.60	1 / 108	24.80	27.40	0.550	33.01	-5.61
	64-QAM	3840	2.60	1 / 54	23.42	26.02	0.400	33.01	-6.99
	256-QAM	3840	2.60	1 / 54	21.11	23.71	0.235	33.01	-9.30
90 MHz	π/2 BPSK	3745	2.60	1 / 183	25.63	28.23	0.666	33.01	-4.78
		3840	2.60	1 / 122	25.58	28.18	0.658	33.01	-4.83
		3935	2.60	1 / 61	25.55	28.15	0.653	33.01	-4.86
	QPSK	3745	2.60	1 / 122	25.58	28.18	0.658	33.01	-4.83
		3840	2.60	1 / 183	25.59	28.19	0.659	33.01	-4.82
		3935	2.60	1 / 61	25.67	**28.27**	0.672	33.01	-4.74
	16-QAM	3840	2.60	1 / 122	25.28	27.88	0.614	33.01	-5.13
	64-QAM	3745	2.60	1 / 61	23.57	26.17	0.414	33.01	-6.84
	256-QAM	3840	2.60	1 / 61	21.16	23.76	0.238	33.01	-9.25
100 MHz	π/2 BPSK	3750	2.60	1 / 68	25.64	28.24	0.666	33.01	-4.77
		3840	2.60	1 / 68	25.70	**28.30**	0.676	33.01	-4.71
		3930	2.60	1 / 136	25.45	28.05	0.639	33.01	-4.96
	QPSK	3750	2.60	1 / 68	25.69	28.29	0.674	33.01	-4.72
		3840	2.60	1 / 204	25.36	27.96	0.626	33.01	-5.05
		3930	2.60	1 / 136	25.60	28.20	0.660	33.01	-4.81
	16-QAM	3840	2.60	1 / 68	23.78	26.38	0.434	33.01	-6.63
	64-QAM	3840	2.60	1 / 68	23.63	26.23	0.420	33.01	-6.78
	256-QAM	3840	2.60	1 / 68	21.17	23.77	0.238	33.01	-9.24

Table 7-5. EIRP Data (NR Band n77 (PC3) - C-Band)

7.6.2 Antenna 2 – EIRP

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	3460	-1.00	1 / 13	22.94	21.94	0.156	33.01	-11.07
		3500	-1.00	1 / 25	23.14	22.14	0.164	33.01	-10.87
		3540	-1.00	1 / 13	23.20	**22.20**	0.166	33.01	-10.81
	QPSK	3460	-1.00	1 / 37	22.94	21.94	0.156	33.01	-11.07
		3500	-1.00	1 / 37	23.09	22.09	0.162	33.01	-10.92
		3540	-1.00	1 / 13	23.20	**22.20**	0.166	33.01	-10.81
	16-QAM	3500	-1.00	1 / 37	22.63	21.63	0.145	33.01	-11.38
	64-QAM	3460	-1.00	1 / 25	20.95	19.95	0.099	33.01	-13.06
	256-QAM	3500	-1.00	1 / 37	19.18	18.18	0.066	33.01	-14.83
30 MHz	π/2 BPSK	3465	-1.00	1 / 58	22.51	21.51	0.142	33.01	-11.50
		3500	-1.00	1 / 58	23.07	22.07	0.161	33.01	-10.94
		3535	-1.00	1 / 39	23.06	22.06	0.161	33.01	-10.95
	QPSK	3465	-1.00	1 / 39	22.85	21.85	0.153	33.01	-11.16
		3500	-1.00	1 / 58	22.98	21.98	0.158	33.01	-11.03
		3535	-1.00	1 / 19	23.20	**22.20**	0.166	33.01	-10.81
	16-QAM	3535	-1.00	1 / 58	22.44	21.44	0.139	33.01	-11.57
	64-QAM	3535	-1.00	1 / 19	20.73	19.73	0.094	33.01	-13.28
	256-QAM	3500	-1.00	1 / 19	19.38	18.38	0.069	33.01	-14.63
40 MHz	π/2 BPSK	3470	-1.00	1 / 26	22.94	21.94	0.156	33.01	-11.07
		3500	-1.00	1 / 53	23.14	22.14	0.164	33.01	-10.87
		3530	-1.00	1 / 26	23.20	**22.20**	0.166	33.01	-10.81
	QPSK	3470	-1.00	1 / 26	23.07	22.07	0.161	33.01	-10.94
		3500	-1.00	1 / 79	23.07	22.07	0.161	33.01	-10.94
		3530	-1.00	1 / 79	23.13	22.13	0.163	33.01	-10.88
	16-QAM	3500	-1.00	1 / 79	22.56	21.56	0.143	33.01	-11.45
	64-QAM	3500	-1.00	1 / 79	21.22	20.22	0.105	33.01	-12.79
	256-QAM	3500	-1.00	1 / 26	19.13	18.13	0.065	33.01	-14.88
50 MHz	π/2 BPSK	3475	-1.00	1 / 99	22.96	21.96	0.157	33.01	-11.05
		3500	-1.00	1 / 99	23.08	22.08	0.161	33.01	-10.93
		3525	-1.00	1 / 33	23.18	22.18	0.165	33.01	-10.83
	QPSK	3475	-1.00	1 / 99	23.05	22.05	0.160	33.01	-10.96
		3500	-1.00	1 / 99	23.20	**22.20**	0.166	33.01	-10.81
		3525	-1.00	1 / 33	23.11	22.11	0.163	33.01	-10.90
	16-QAM	3500	-1.00	1 / 99	22.63	21.63	0.145	33.01	-11.38
	64-QAM	3500	-1.00	1 / 99	21.17	20.17	0.104	33.01	-12.84
	256-QAM	3500	-1.00	1 / 99	19.31	18.31	0.068	33.01	-14.70
60 MHz	π/2 BPSK	3480	-1.00	1 / 40	22.85	21.85	0.153	33.01	-11.16
		3500	-1.00	1 / 40	23.06	22.06	0.161	33.01	-10.95
		3520	-1.00	1 / 40	22.94	21.94	0.156	33.01	-11.07
	QPSK	3480	-1.00	1 / 40	23.10	22.10	0.162	33.01	-10.91
		3500	-1.00	1 / 81	23.20	**22.20**	0.166	33.01	-10.81
		3520	-1.00	1 / 121	23.15	22.15	0.164	33.01	-10.86
	16-QAM	3480	-1.00	1 / 40	22.37	21.37	0.137	33.01	-11.64
	64-QAM	3520	-1.00	1 / 81	21.29	20.29	0.107	33.01	-12.72
	256-QAM	3500	-1.00	1 / 121	19.28	18.28	0.067	33.01	-14.73
70 MHz	π/2 BPSK	3485	-1.00	1 / 47	23.02	22.02	0.159	33.01	-10.99
		3500	-1.00	1 / 47	22.98	21.98	0.158	33.01	-11.03
		3515	-1.00	1 / 94	22.84	21.84	0.153	33.01	-11.17
	QPSK	3485	-1.00	1 / 141	22.94	21.94	0.156	33.01	-11.07
		3500	-1.00	1 / 141	23.09	22.09	0.162	33.01	-10.92
		3515	-1.00	1 / 47	23.20	**22.20**	0.166	33.01	-10.81
	16-QAM	3500	-1.00	1 / 94	22.49	21.49	0.141	33.01	-11.52
	64-QAM	3500	-1.00	1 / 94	21.09	20.09	0.102	33.01	-12.92
	256-QAM	3500	-1.00	1 / 141	19.18	18.18	0.066	33.01	-14.83
80 MHz	π/2 BPSK	3490	-1.00	1 / 108	22.70	21.70	0.148	33.01	-11.31
		3500	-1.00	1 / 162	23.20	**22.20**	0.166	33.01	-10.81
		3510	-1.00	1 / 54	22.99	21.99	0.158	33.01	-11.02
	QPSK	3490	-1.00	1 / 54	22.99	21.99	0.158	33.01	-11.02
		3500	-1.00	1 / 54	22.99	21.99	0.158	33.01	-11.02
		3510	-1.00	1 / 54	22.74	21.74	0.149	33.01	-11.27
	16-QAM	3500	-1.00	1 / 54	22.22	21.22	0.133	33.01	-11.79
	64-QAM	3500	-1.00	1 / 108	21.10	20.10	0.102	33.01	-12.91
	256-QAM	3500	-1.00	1 / 162	18.99	17.99	0.063	33.01	-15.02
90 MHz	π/2 BPSK	3495	-1.00	1 / 61	22.71	21.71	0.148	33.01	-11.30
		3500	-1.00	1 / 122	23.20	**22.20**	0.166	33.01	-10.81
		3505	-1.00	1 / 61	23.04	22.04	0.160	33.01	-10.97
	QPSK	3495	-1.00	1 / 61	22.46	21.46	0.140	33.01	-11.55
		3500	-1.00	1 / 183	22.91	21.91	0.155	33.01	-11.10
		3505	-1.00	1 / 61	22.79	21.79	0.151	33.01	-11.22
	16-QAM	3500	-1.00	1 / 183	22.07	21.07	0.128	33.01	-11.94
	64-QAM	3495	-1.00	1 / 122	20.95	19.95	0.099	33.01	-13.06
	256-QAM	3505	-1.00	1 / 61	18.92	17.92	0.062	33.01	-15.09
100 MHz	π/2 BPSK	3500	-1.00	1 / 136	23.16	22.16	0.165	33.01	-10.85
	QPSK	3500	-1.00	1 / 68	22.96	21.96	0.157	33.01	-11.05
	16-QAM	3500	-1.00	1 / 136	22.44	21.44	0.139	33.01	-11.57
	64-QAM	3500	-1.00	1 / 204	20.92	19.92	0.098	33.01	-13.09
	256-QAM	3500	-1.00	1 / 136	18.96	17.96	0.062	33.01	-15.05

Table 7-6. EIRP Data (NR Band n77 (PC2) - DoD-Band)

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	3460	-1.00	1 / 37	23.18	22.18	0.165	33.01	-10.83
		3500	-1.00	1 / 37	23.20	**22.20**	0.166	33.01	-10.81
		3540	-1.00	1 / 37	22.62	21.62	0.145	33.01	-11.39
	QPSK	3460	-1.00	1 / 13	22.48	21.48	0.141	33.01	-11.53
		3500	-1.00	1 / 25	22.84	21.84	0.153	33.01	-11.17
		3540	-1.00	1 / 25	22.58	21.58	0.144	33.01	-11.43
	16-QAM	3500	-1.00	1 / 25	21.95	20.95	0.124	33.01	-12.06
	64-QAM	3460	-1.00	1 / 25	20.51	19.51	0.089	33.01	-13.51
	256-QAM	3500	-1.00	1 / 37	18.05	17.05	0.051	33.01	-15.96
30 MHz	π/2 BPSK	3465	-1.00	1 / 39	23.08	22.08	0.162	33.01	-10.93
		3500	-1.00	1 / 19	23.20	**22.20**	0.166	33.01	-10.81
		3535	-1.00	1 / 58	22.55	21.55	0.143	33.01	-11.46
	QPSK	3465	-1.00	1 / 58	23.15	22.15	0.164	33.01	-10.86
		3500	-1.00	1 / 39	22.98	21.98	0.158	33.01	-11.03
		3535	-1.00	1 / 58	22.84	21.84	0.153	33.01	-11.17
	16-QAM	3500	-1.00	1 / 19	21.97	20.97	0.125	33.01	-12.04
	64-QAM	3465	-1.00	1 / 19	20.71	19.71	0.094	33.01	-13.30
	256-QAM	3500	-1.00	1 / 58	18.35	17.35	0.054	33.01	-15.66
40 MHz	π/2 BPSK	3470	-1.00	1 / 26	22.99	21.99	0.158	33.01	-11.02
		3500	-1.00	1 / 53	23.08	22.08	0.162	33.01	-10.93
		3530	-1.00	1 / 26	22.80	21.80	0.151	33.01	-11.21
	QPSK	3470	-1.00	1 / 26	23.07	22.07	0.161	33.01	-10.94
		3500	-1.00	1 / 53	23.12	22.12	0.163	33.01	-10.89
		3530	-1.00	1 / 26	23.20	**22.20**	0.166	33.01	-10.81
	16-QAM	3500	-1.00	1 / 53	22.03	21.03	0.127	33.01	-11.98
	64-QAM	3500	-1.00	1 / 26	20.75	19.75	0.094	33.01	-13.26
	256-QAM	3470	-1.00	1 / 53	18.25	17.25	0.053	33.01	-15.76
50 MHz	π/2 BPSK	3475	-1.00	1 / 66	23.20	**22.20**	0.166	33.01	-10.81
		3500	-1.00	1 / 99	23.20	22.20	0.166	33.01	-10.81
		3525	-1.00	1 / 99	23.07	22.07	0.161	33.01	-10.94
	QPSK	3475	-1.00	1 / 33	23.19	22.19	0.166	33.01	-10.82
		3500	-1.00	1 / 99	22.73	21.73	0.149	33.01	-11.28
		3525	-1.00	1 / 66	22.96	21.96	0.157	33.01	-11.05
	16-QAM	3475	-1.00	1 / 66	22.09	21.09	0.128	33.01	-11.92
	64-QAM	3500	-1.00	1 / 33	20.93	19.93	0.098	33.01	-13.08
	256-QAM	3500	-1.00	1 / 66	18.40	17.40	0.055	33.01	-15.61
60 MHz	π/2 BPSK	3480	-1.00	1 / 121	22.90	21.90	0.155	33.01	-11.11
		3500	-1.00	1 / 121	22.96	21.96	0.157	33.01	-11.05
		3520	-1.00	1 / 81	22.92	21.92	0.156	33.01	-11.09
	QPSK	3480	-1.00	1 / 81	23.20	**22.20**	0.166	33.01	-10.81
		3500	-1.00	1 / 40	23.15	22.15	0.164	33.01	-10.86
		3520	-1.00	1 / 121	22.35	21.35	0.136	33.01	-11.66
	16-QAM	3500	-1.00	1 / 81	22.38	21.38	0.137	33.01	-11.63
	64-QAM	3500	-1.00	1 / 81	20.85	19.85	0.097	33.01	-13.16
	256-QAM	3500	-1.00	1 / 40	18.39	17.39	0.055	33.01	-15.62
70 MHz	π/2 BPSK	3485	-1.00	1 / 47	22.88	21.88	0.154	33.01	-11.13
		3500	-1.00	1 / 47	22.94	21.94	0.156	33.01	-11.07
		3515	-1.00	1 / 47	22.63	21.63	0.145	33.01	-11.38
	QPSK	3485	-1.00	1 / 94	22.89	21.89	0.154	33.01	-11.12
		3500	-1.00	1 / 94	23.20	**22.20**	0.166	33.01	-10.81
		3515	-1.00	1 / 94	22.47	21.47	0.140	33.01	-11.54
	16-QAM	3500	-1.00	1 / 47	22.09	21.09	0.128	33.01	-11.92
	64-QAM	3485	-1.00	1 / 94	20.36	19.36	0.086	33.01	-13.65
	256-QAM	3500	-1.00	1 / 141	18.16	17.16	0.052	33.01	-15.85
80 MHz	π/2 BPSK	3490	-1.00	1 / 54	23.14	22.14	0.164	33.01	-10.87
		3500	-1.00	1 / 54	23.20	**22.20**	0.166	33.01	-10.81
		3510	-1.00	1 / 108	22.76	21.76	0.150	33.01	-11.25
	QPSK	3490	-1.00	1 / 108	23.12	22.12	0.163	33.01	-10.89
		3500	-1.00	1 / 108	23.16	22.16	0.164	33.01	-10.85
		3510	-1.00	1 / 108	23.01	22.01	0.159	33.01	-11.00
	16-QAM	3500	-1.00	1 / 108	22.30	21.30	0.135	33.01	-11.71
	64-QAM	3500	-1.00	1 / 54	20.92	19.92	0.098	33.01	-13.09
	256-QAM	3500	-1.00	1 / 54	18.42	17.42	0.055	33.01	-15.59
90 MHz	π/2 BPSK	3495	-1.00	1 / 183	23.16	22.16	0.164	33.01	-10.85
		3500	-1.00	1 / 122	23.11	22.11	0.162	33.01	-10.90
		3505	-1.00	1 / 61	23.08	22.08	0.161	33.01	-10.93
	QPSK	3495	-1.00	1 / 122	23.11	22.11	0.163	33.01	-10.90
		3500	-1.00	1 / 183	23.11	22.11	0.163	33.01	-10.90
		3505	-1.00	1 / 61	23.20	**22.20**	0.166	33.01	-10.81
	16-QAM	3500	-1.00	1 / 122	22.81	21.81	0.152	33.01	-11.20
	64-QAM	3495	-1.00	1 / 61	21.10	20.10	0.102	33.01	-12.91
	256-QAM	3500	-1.00	1 / 61	18.69	17.69	0.059	33.01	-15.32
100 MHz	π/2 BPSK	3500	-1.00	1 / 68	23.20	**22.20**	0.166	33.01	-10.81
	QPSK	3500	-1.00	1 / 204	22.73	21.73	0.149	33.01	-11.28
	16-QAM	3500	-1.00	1 / 136	21.95	20.95	0.124	33.01	-12.06
	64-QAM	3500	-1.00	1 / 68	20.75	19.75	0.094	33.01	-13.26
	256-QAM	3500	-1.00	1 / 68	18.69	17.69	0.059	33.01	-15.32

Table 7-7. EIRP Data (NR Band n77 (PC3) - DoD-Band)