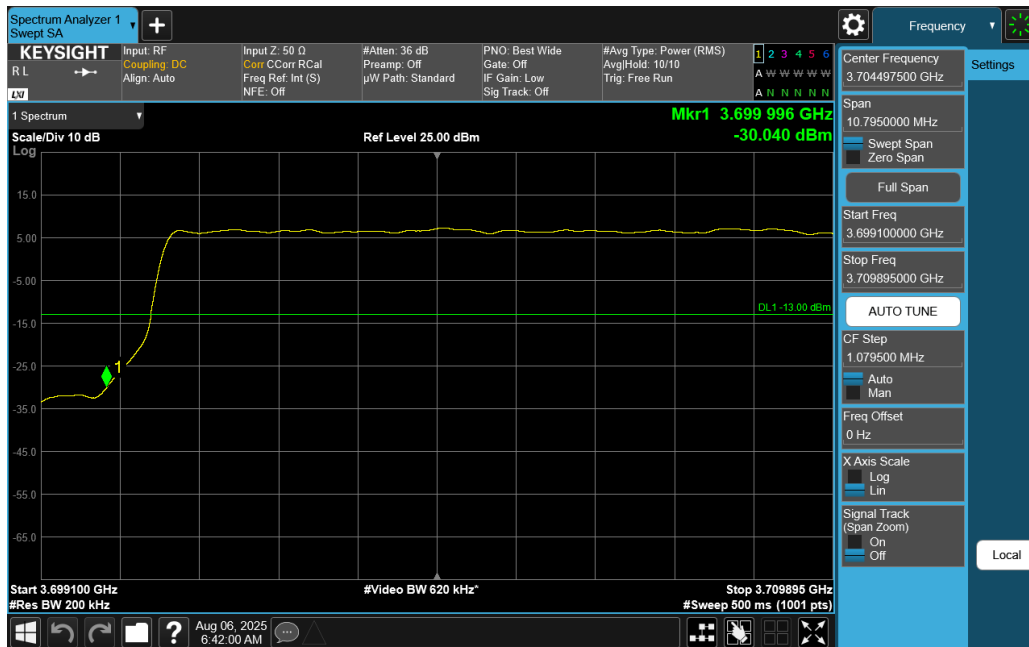
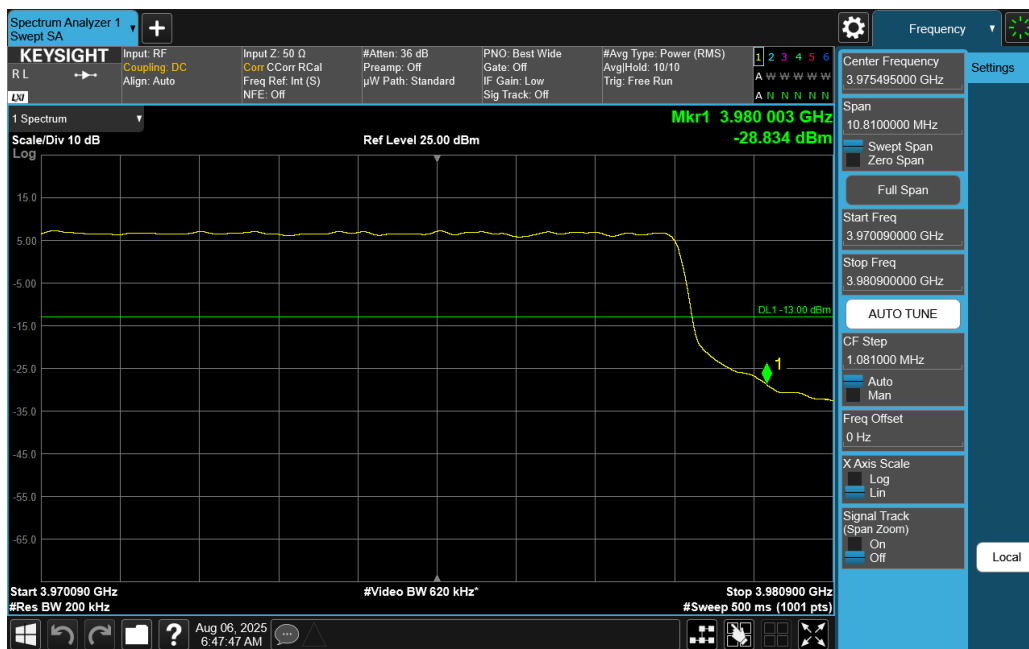




Plot 7-225. Lower Band Edge Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

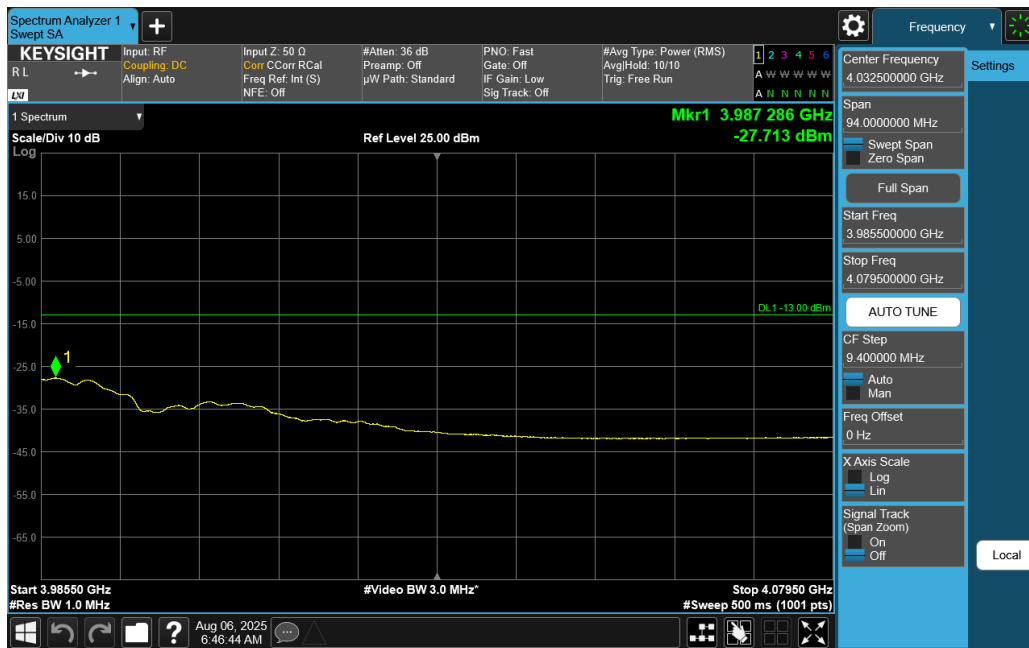
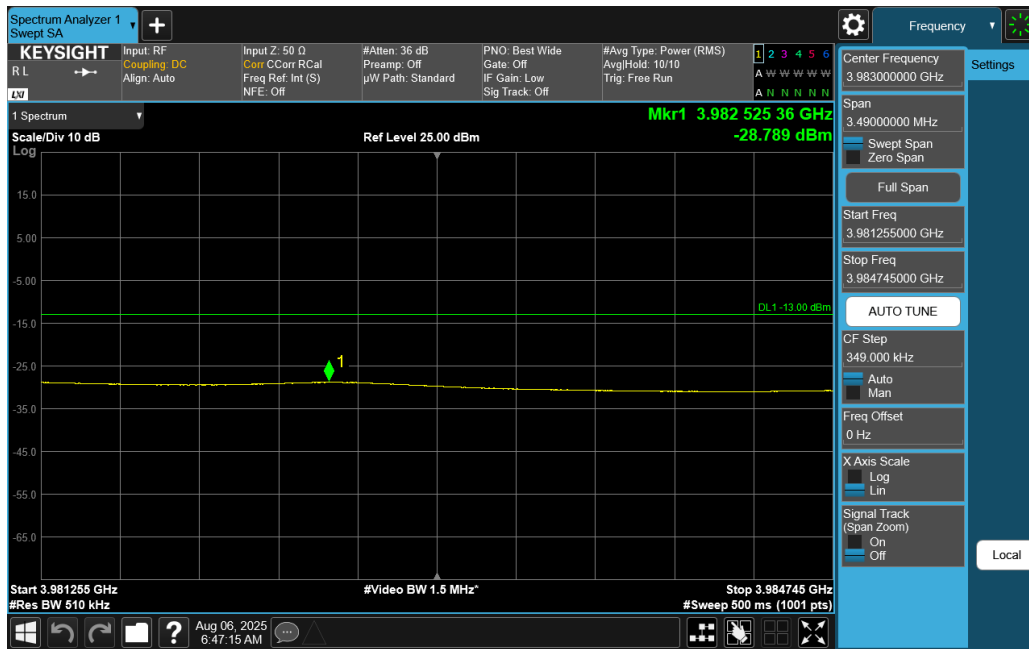


Plot 7-226. Upper Band Edge Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

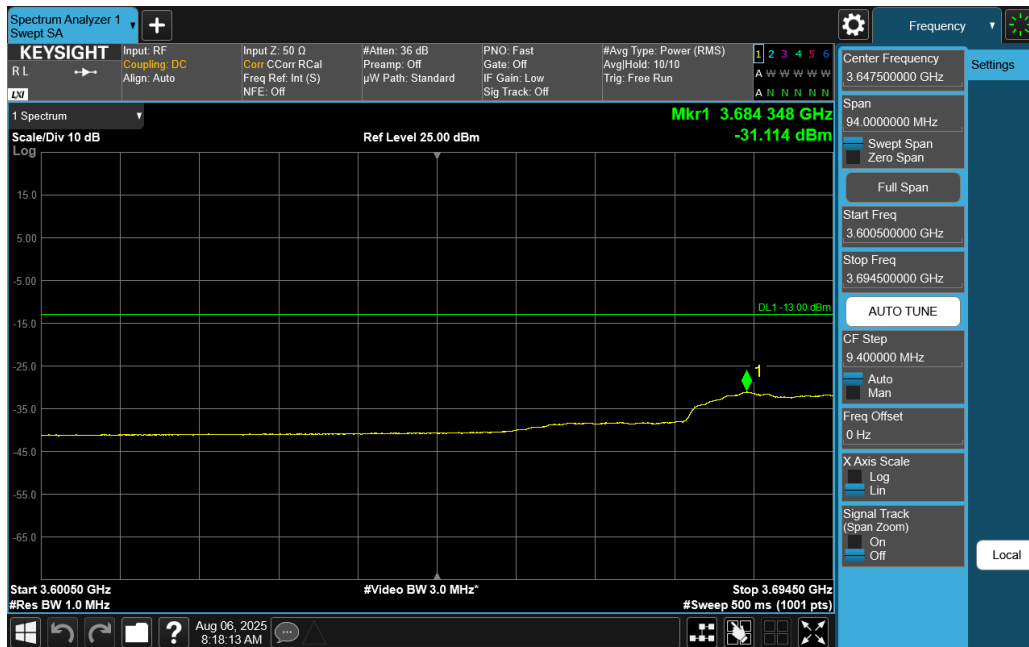
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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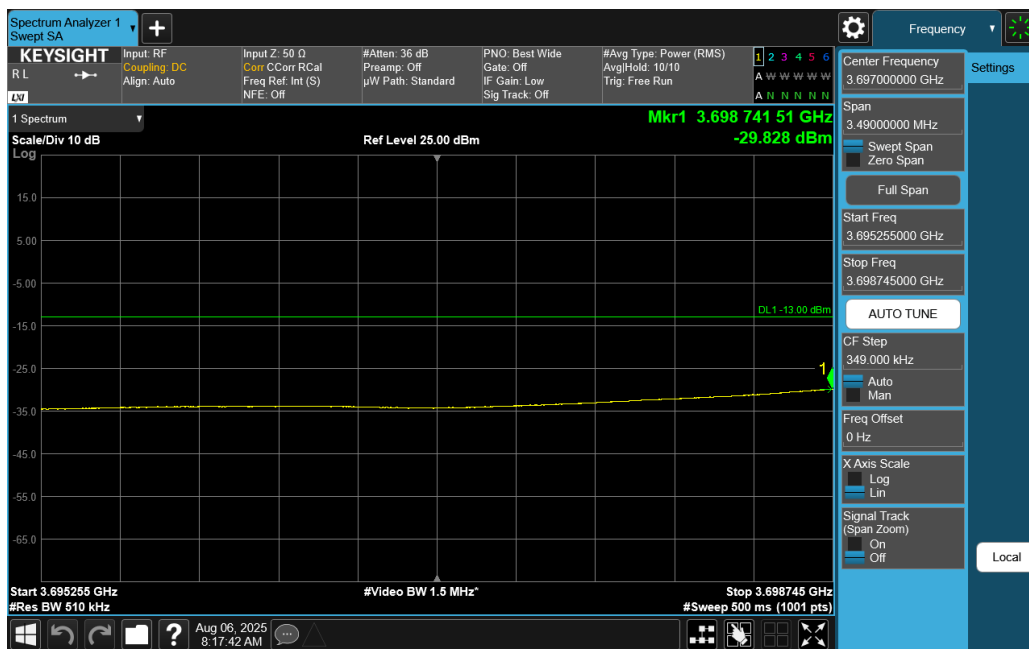
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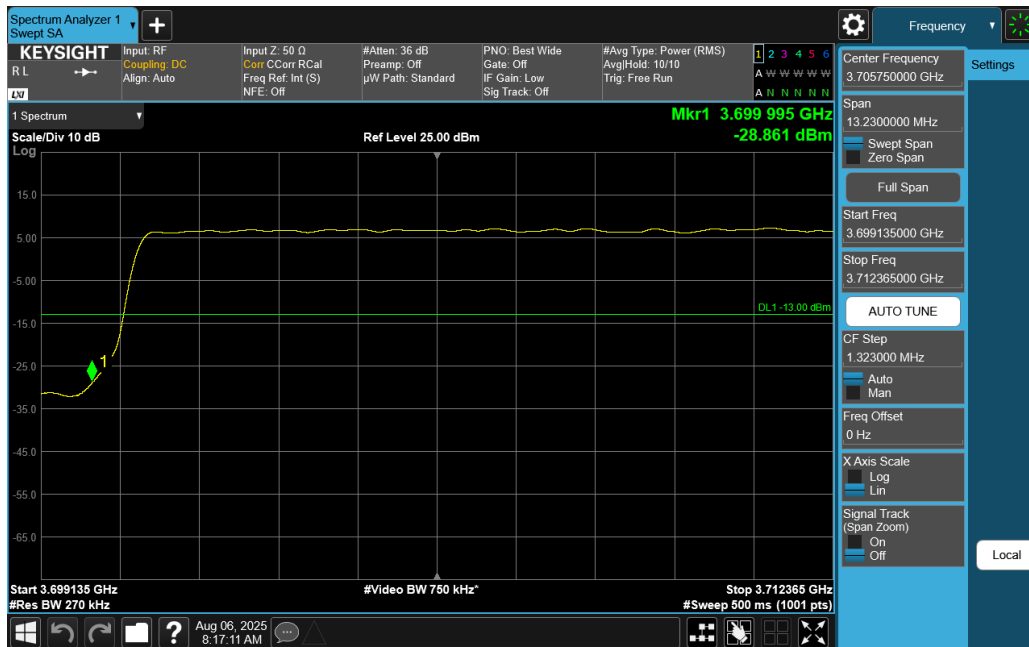


Plot 7-229. Extended Lower Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

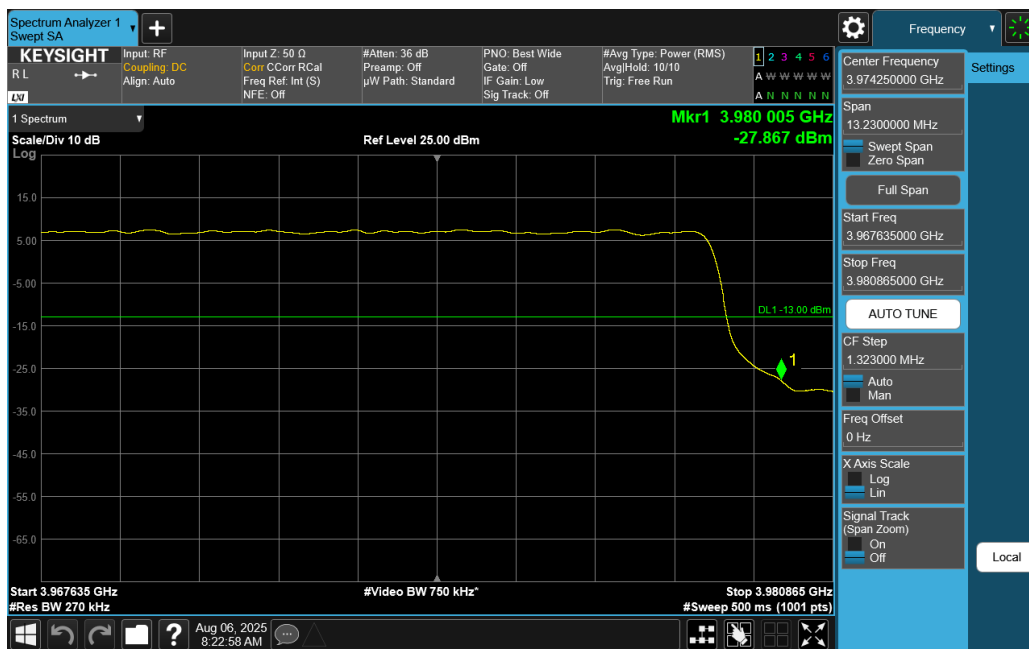


Plot 7-230. Extended Lower Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-231. Lower Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

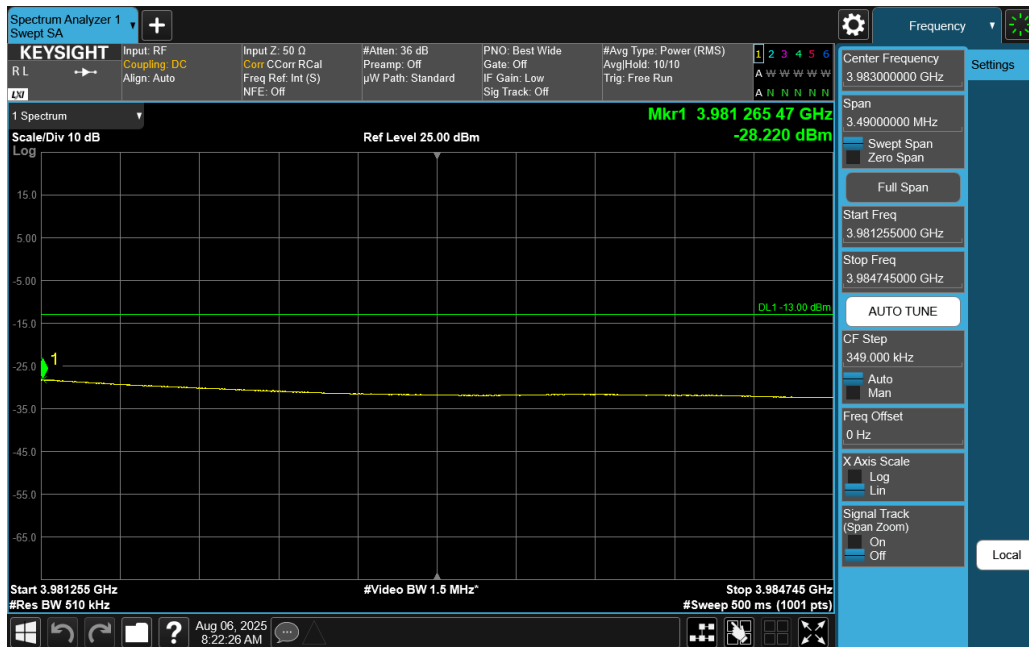


Plot 7-232. Upper Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

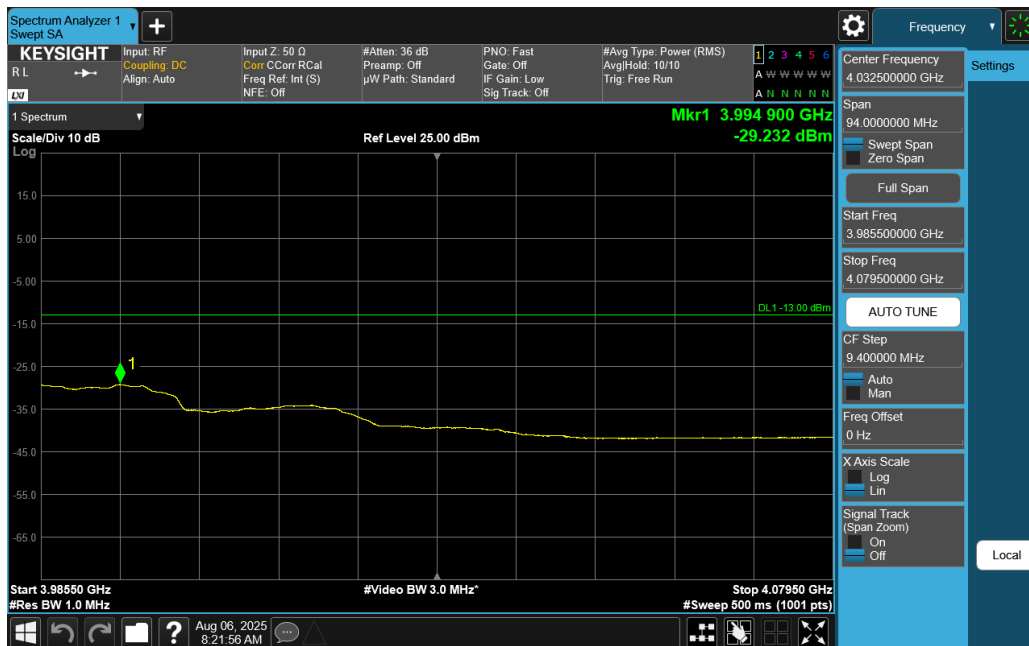
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 137 of 257

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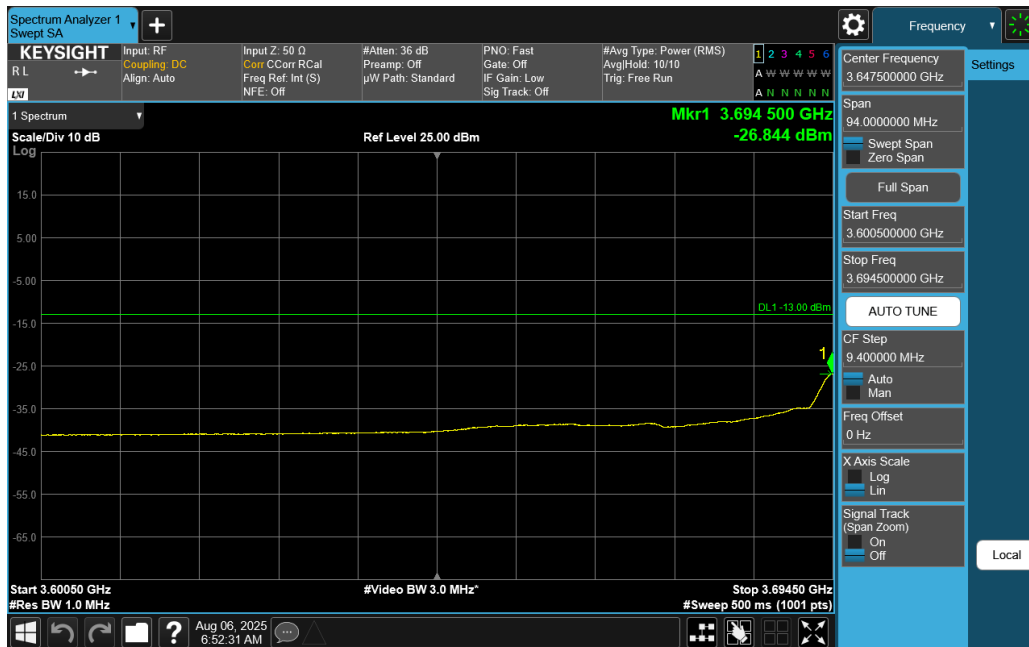


Plot 7-233. Extended Upper Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

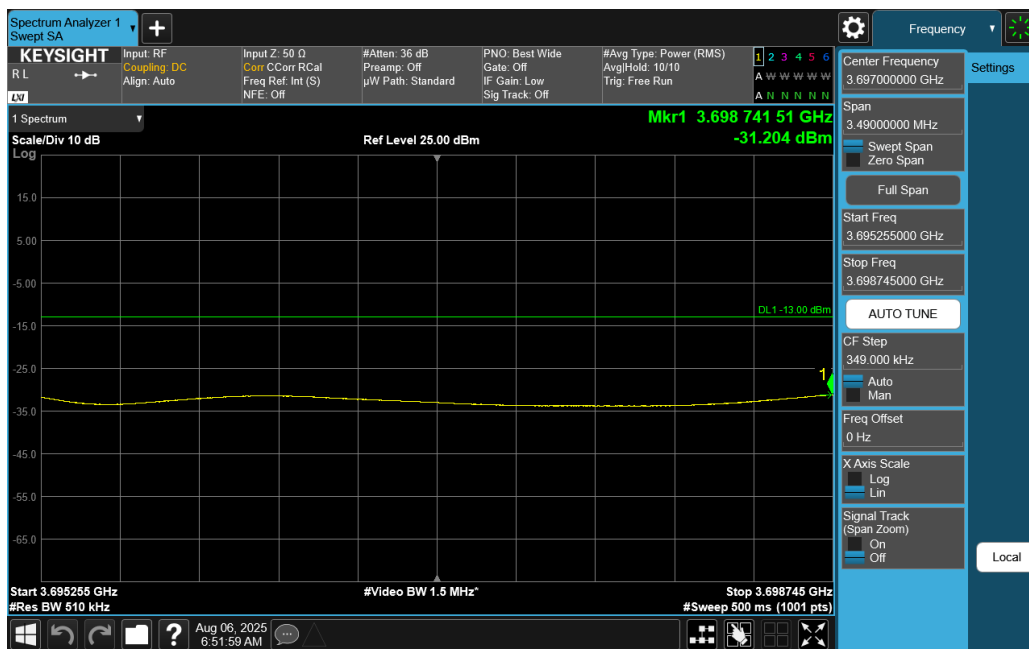


Plot 7-234. Extended Upper Band Edge Plot (NR Band n77 C-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-235. Extended Lower Band Edge Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

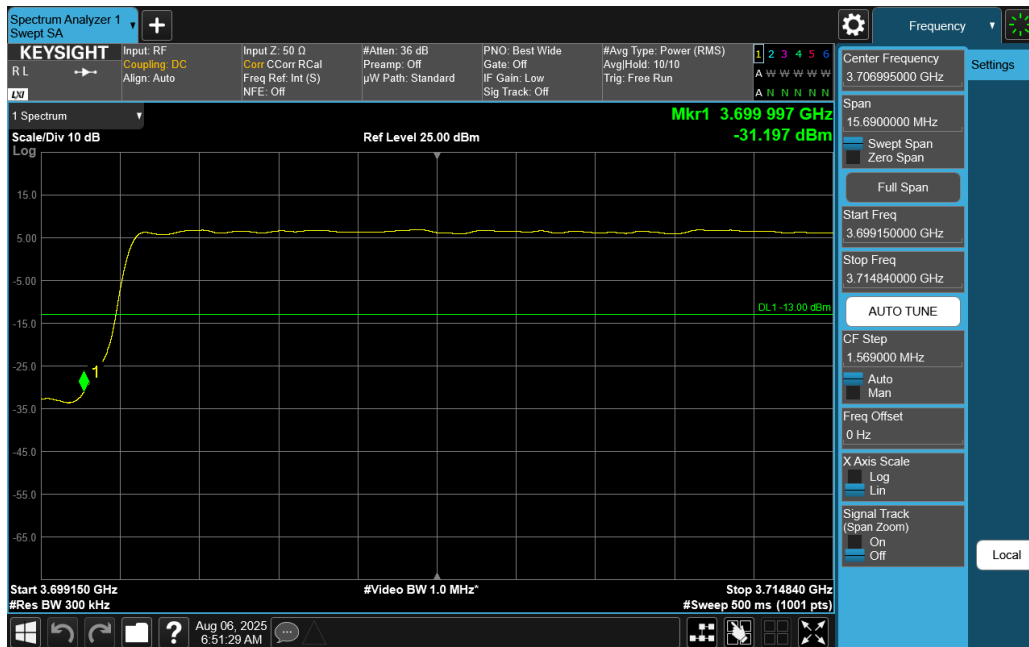


Plot 7-236. Extended Lower Band Edge Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

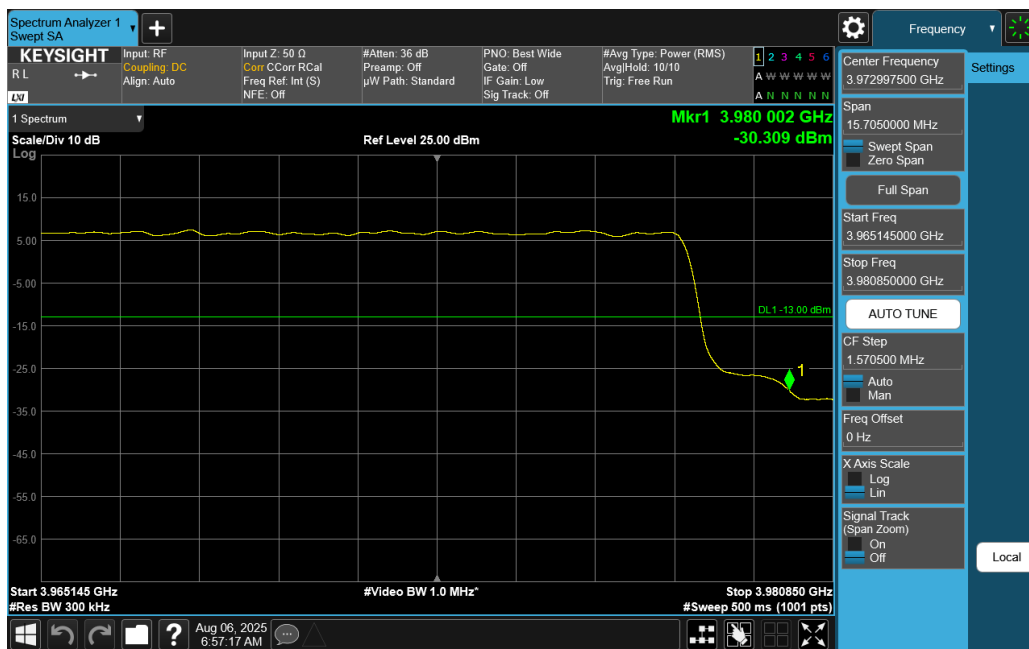
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 139 of 257

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Plot 7-237. Lower Band Edge Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

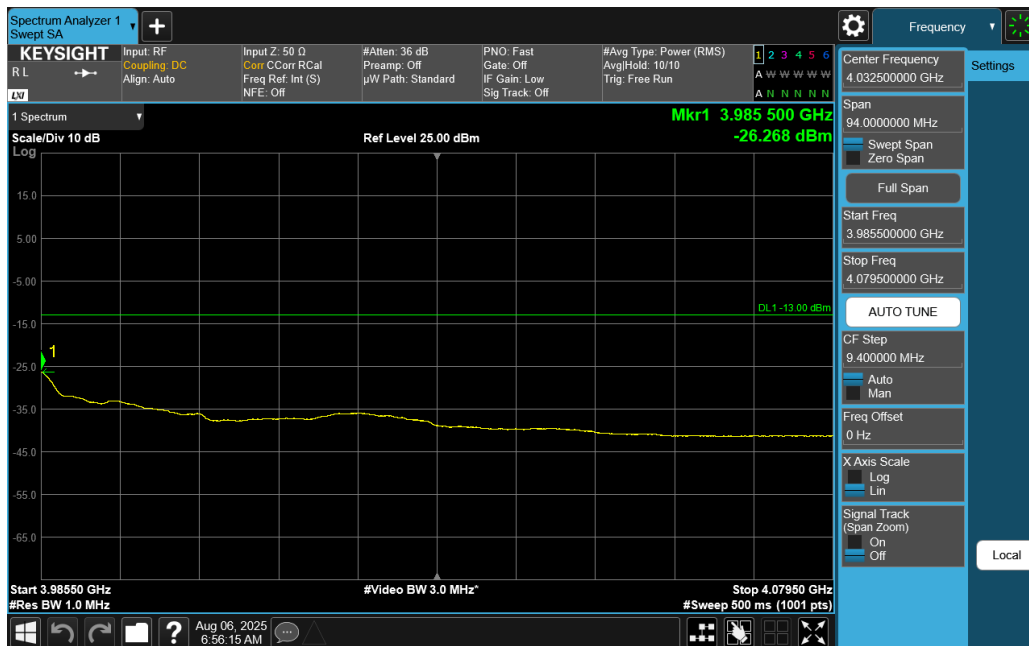
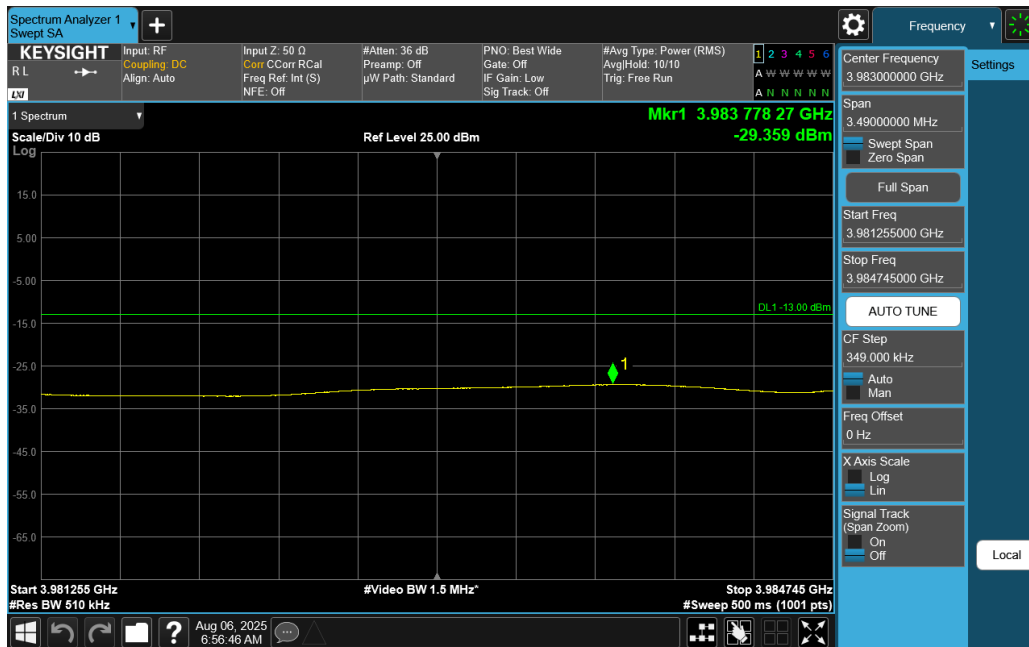


Plot 7-238. Upper Band Edge Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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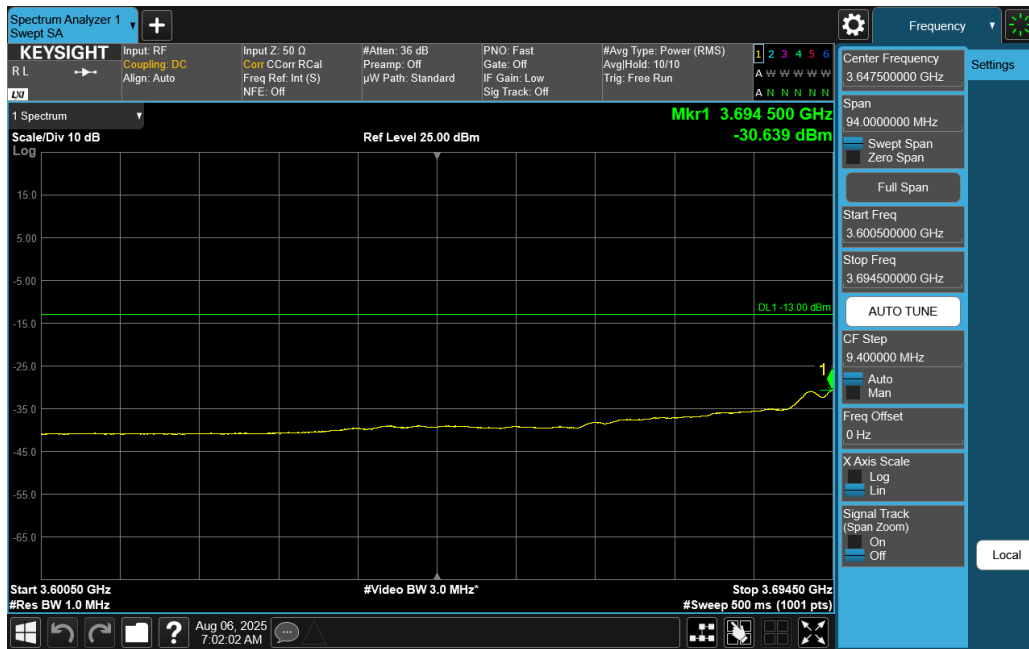
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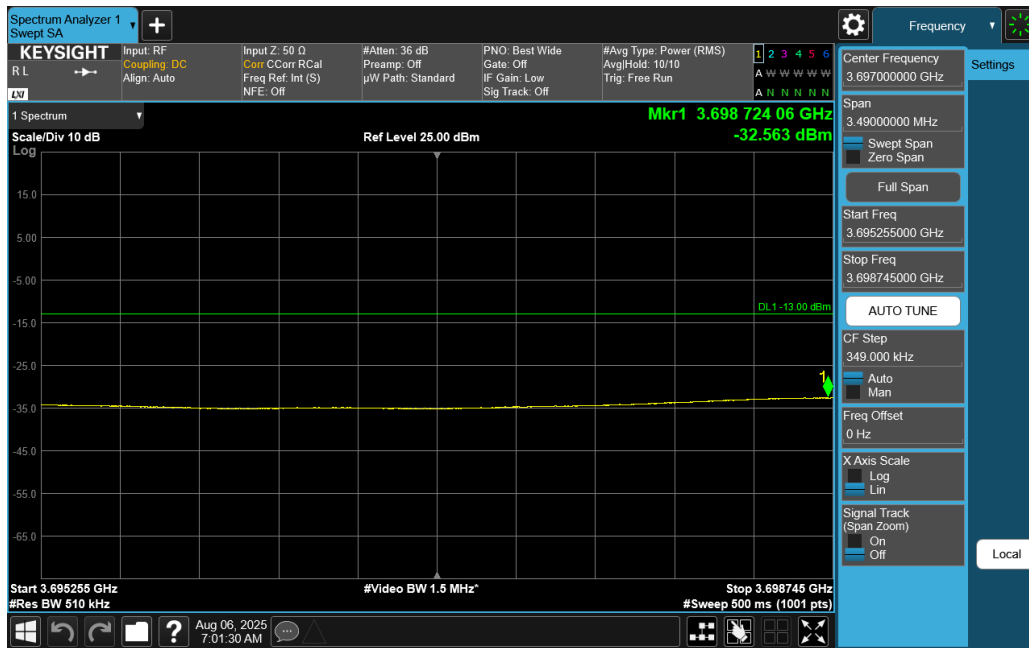
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-241. Extended Lower Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

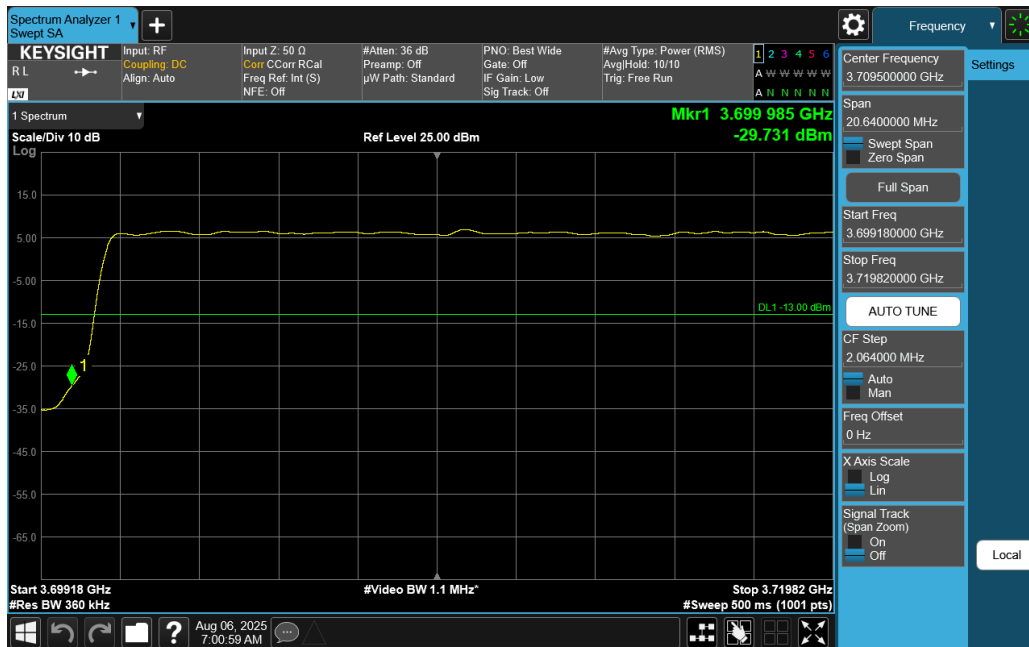


Plot 7-242. Extended Lower Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

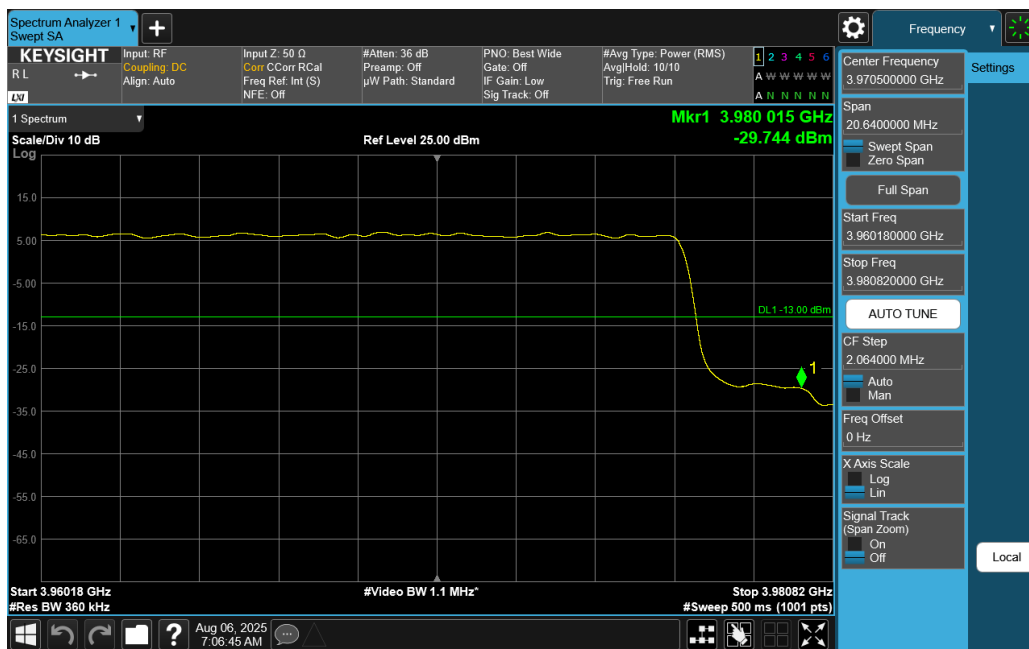
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 142 of 257

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Plot 7-243. Lower Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

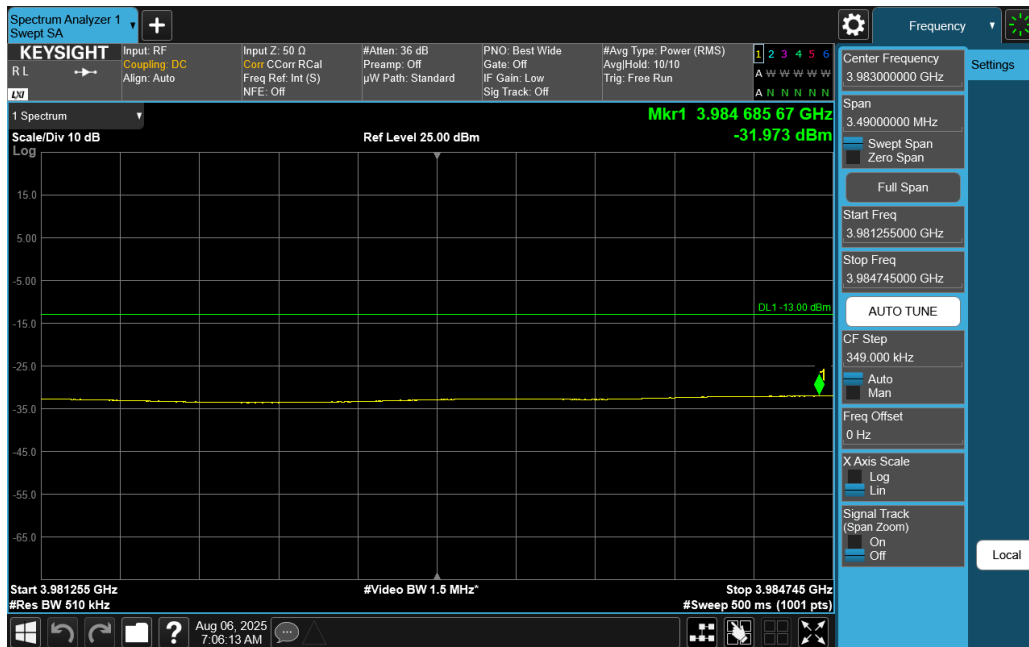


Plot 7-244. Upper Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

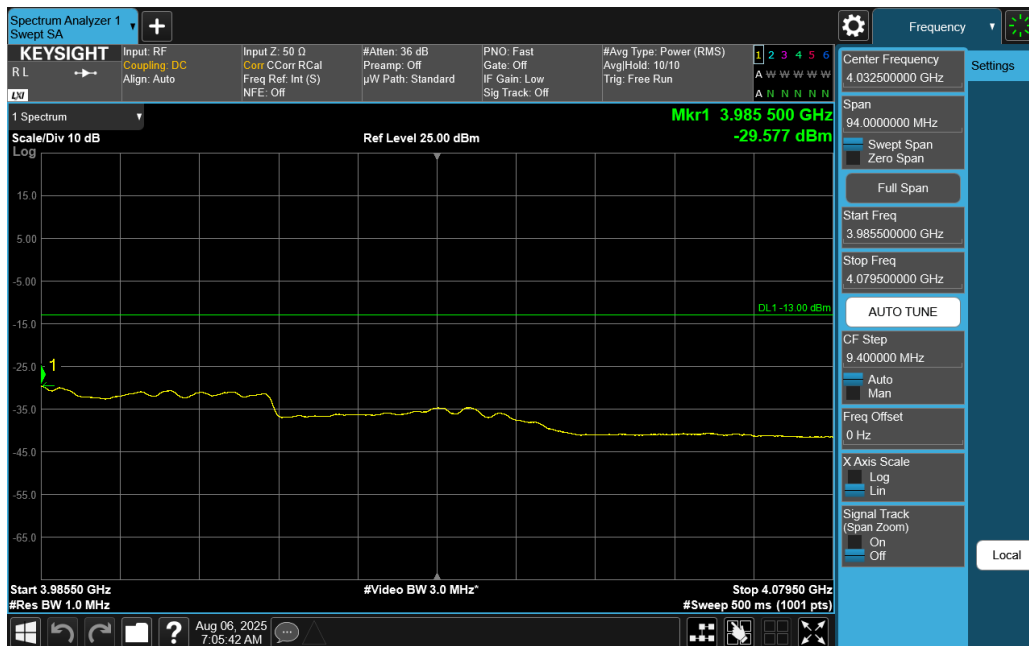
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 143 of 257

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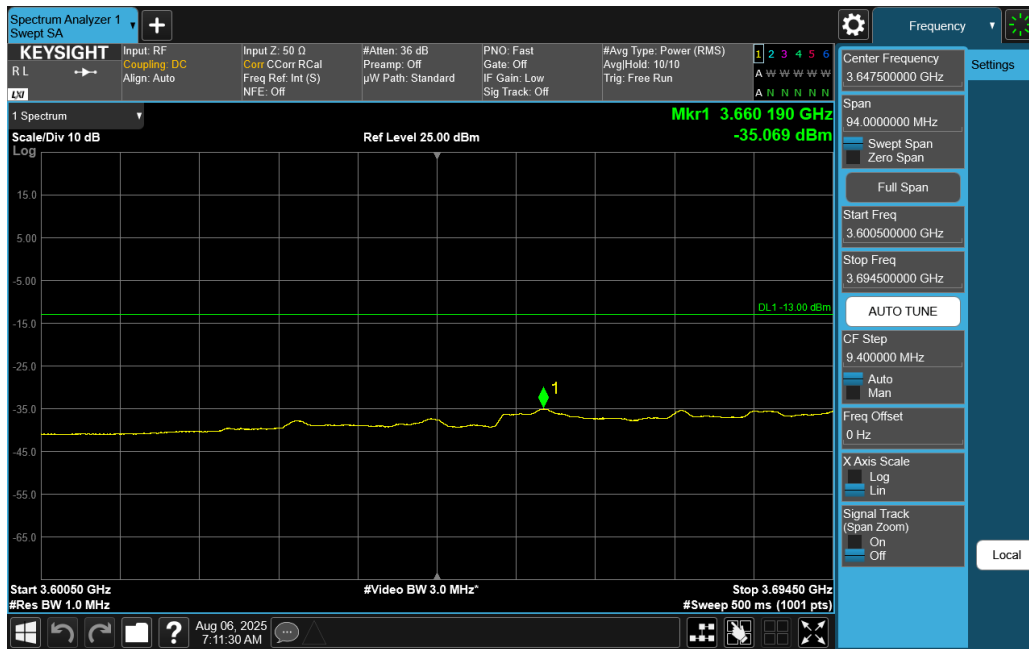


Plot 7-245. Extended Upper Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

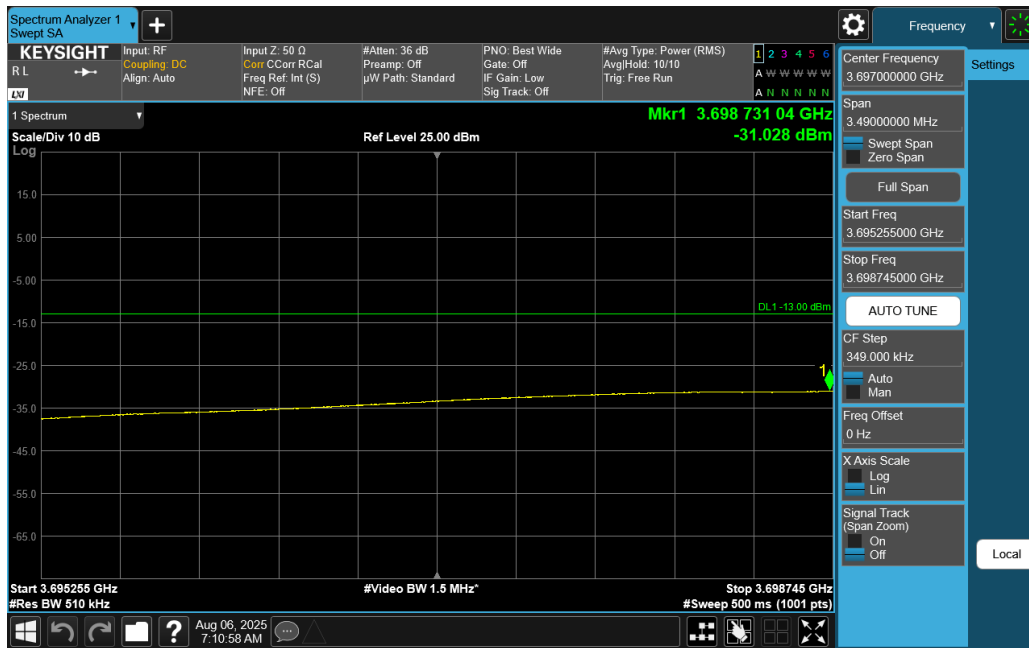


Plot 7-246. Extended Upper Band Edge Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-247. Extended Lower Band Edge Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

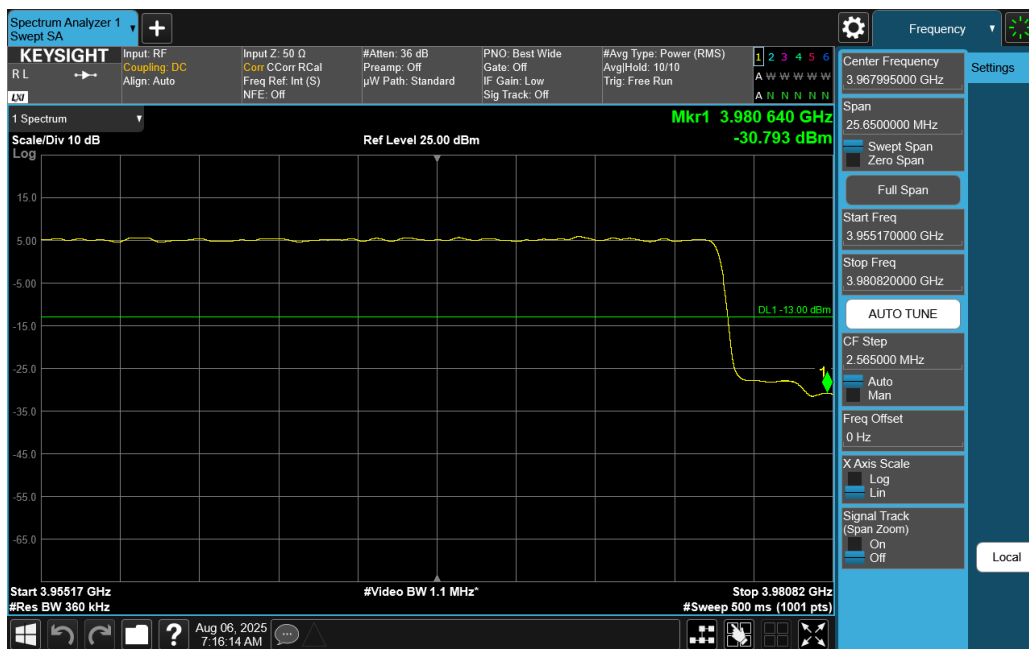
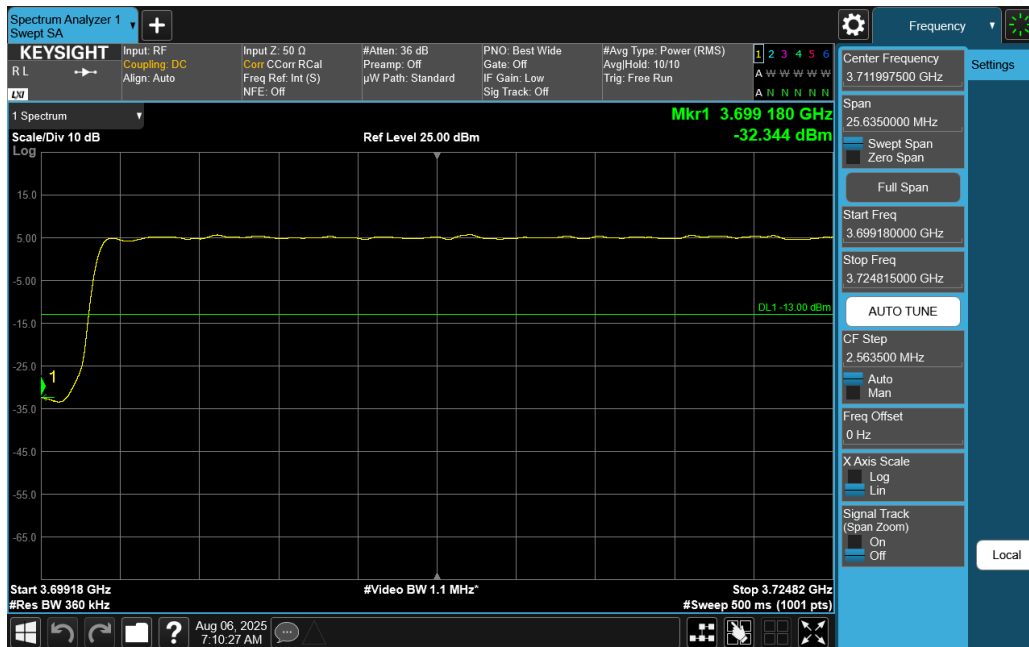


Plot 7-248. Extended Lower Band Edge Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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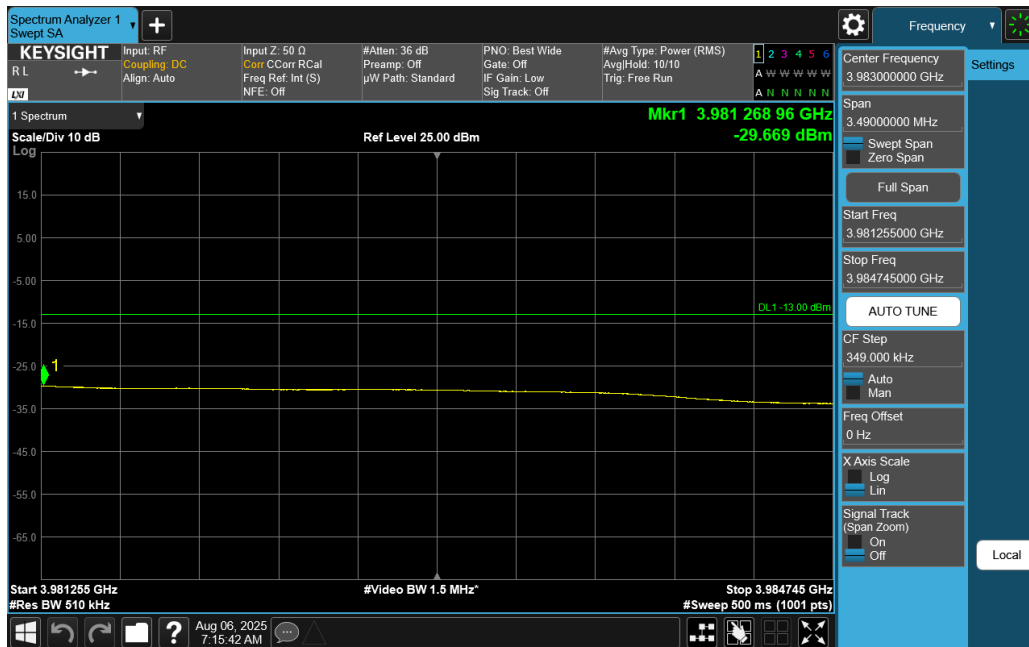
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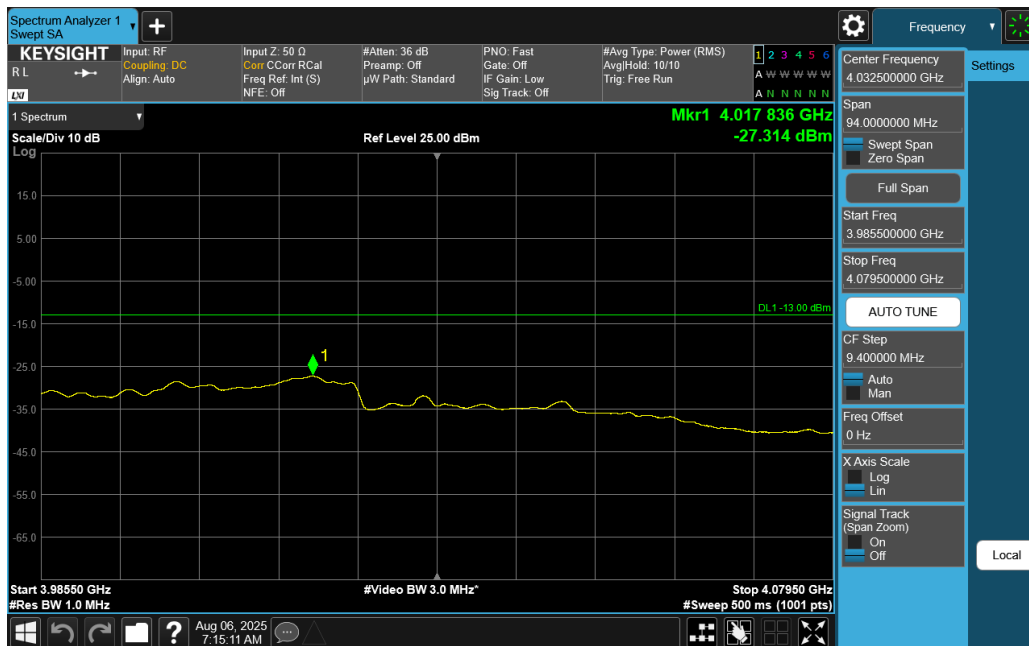
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 146 of 257

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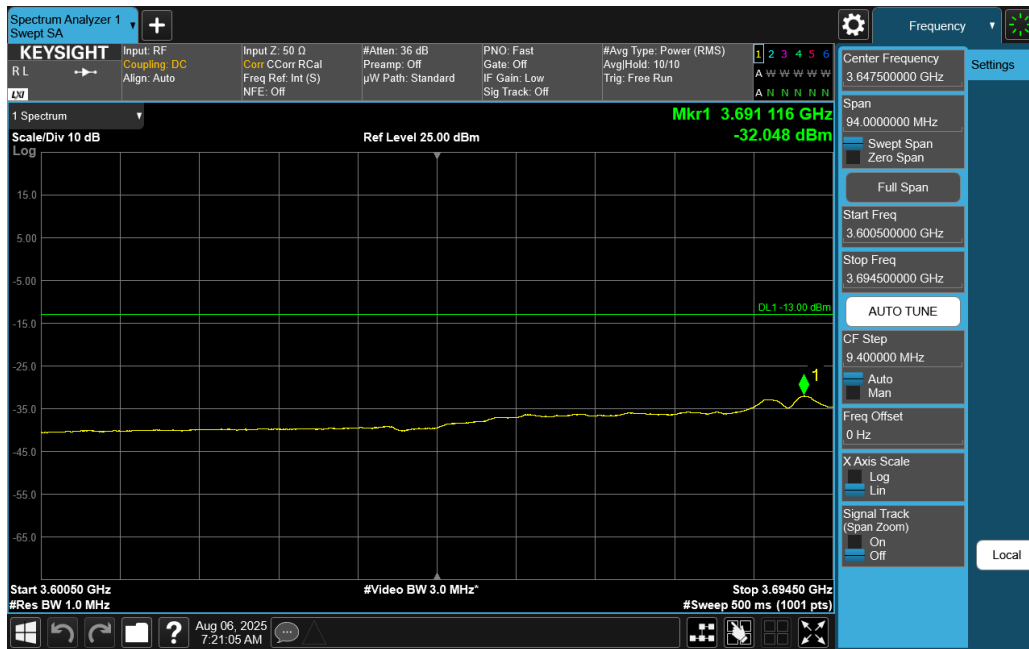


Plot 7-251. Extended Upper Band Edge Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

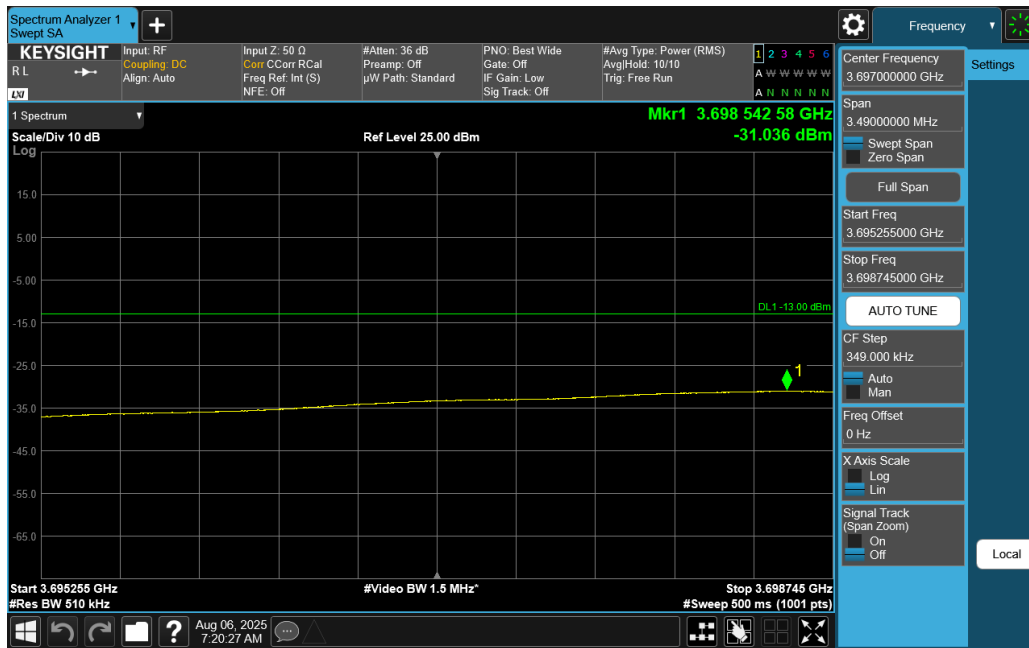


Plot 7-252. Extended Upper Band Edge Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-253. Extended Lower Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

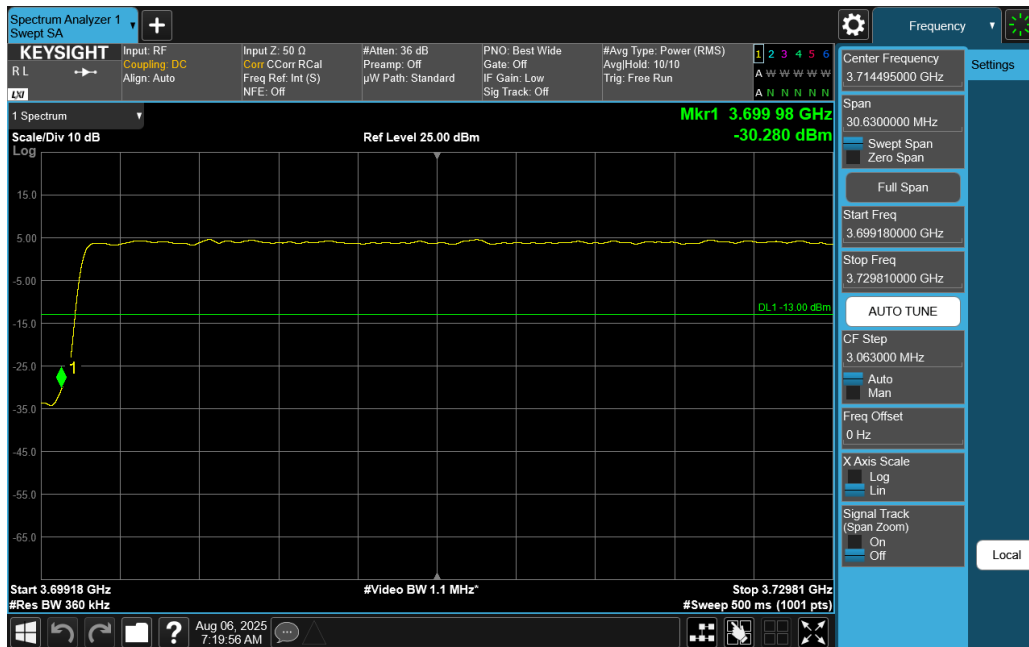


Plot 7-254. Extended Lower Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

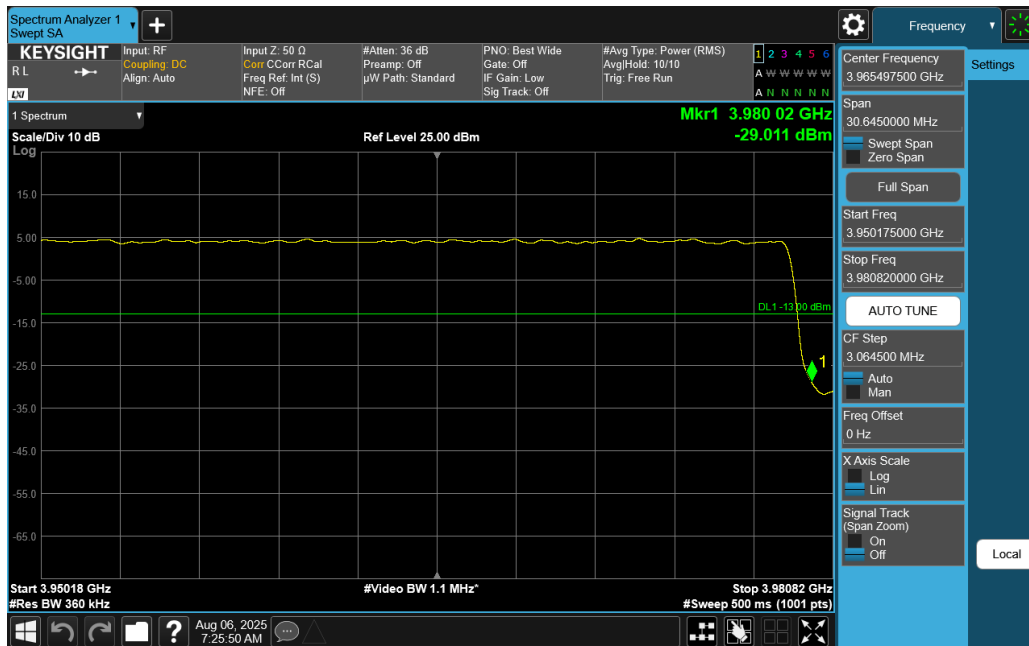
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 148 of 257

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Plot 7-255. Lower Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

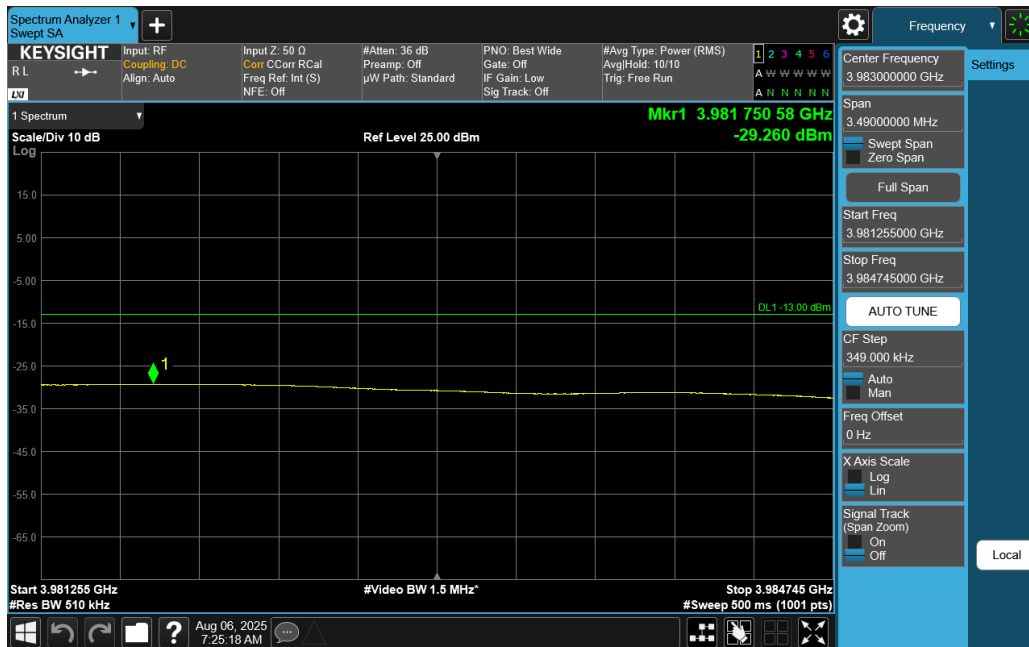


Plot 7-256. Upper Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

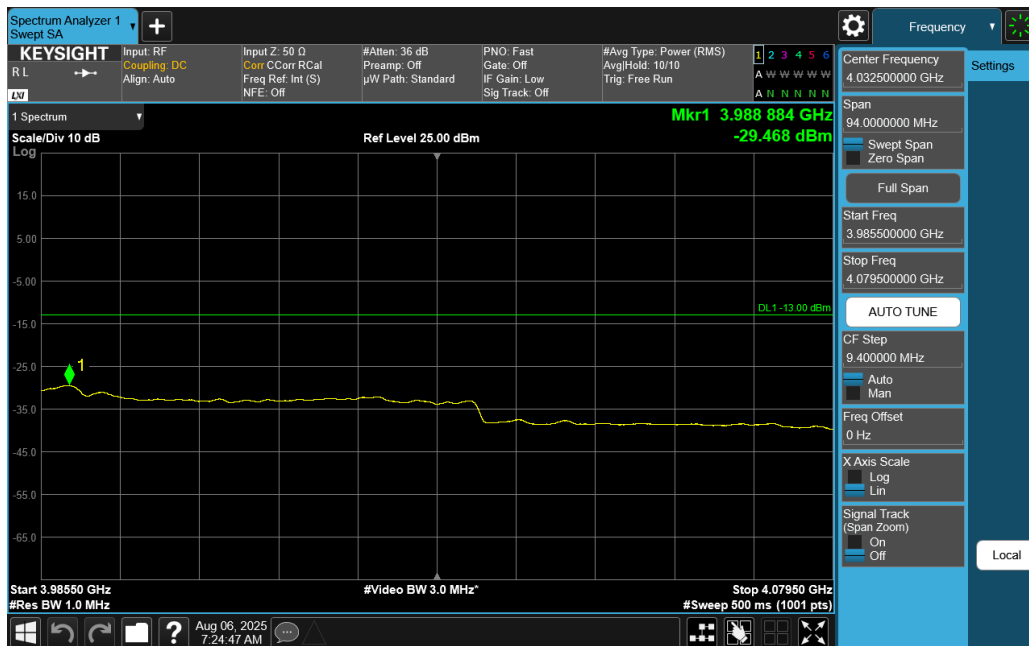
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-257. Extended Upper Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

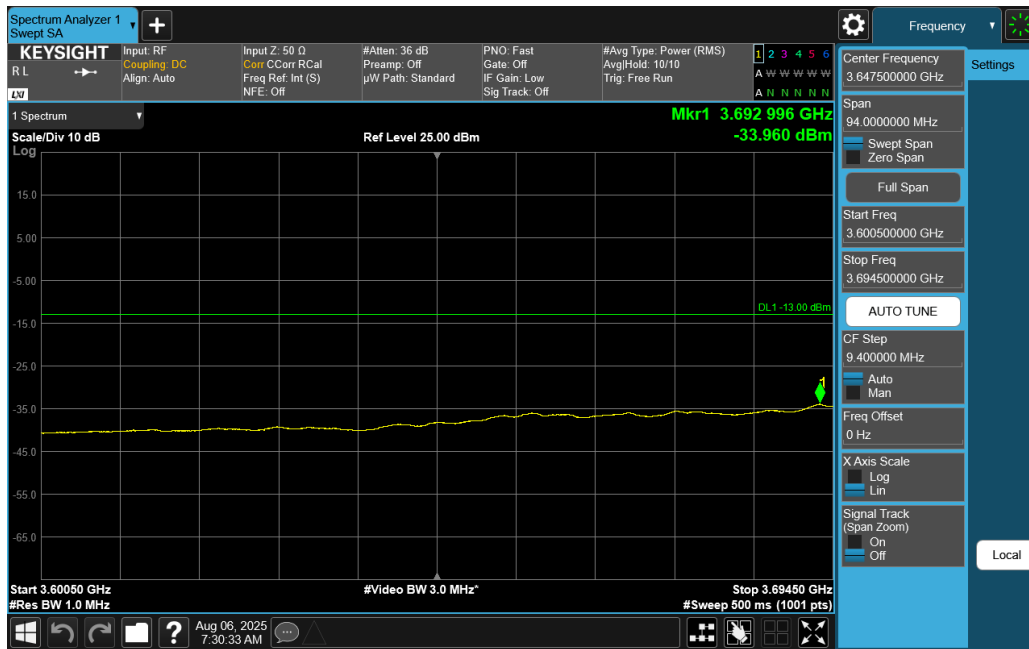


Plot 7-258. Extended Upper Band Edge Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

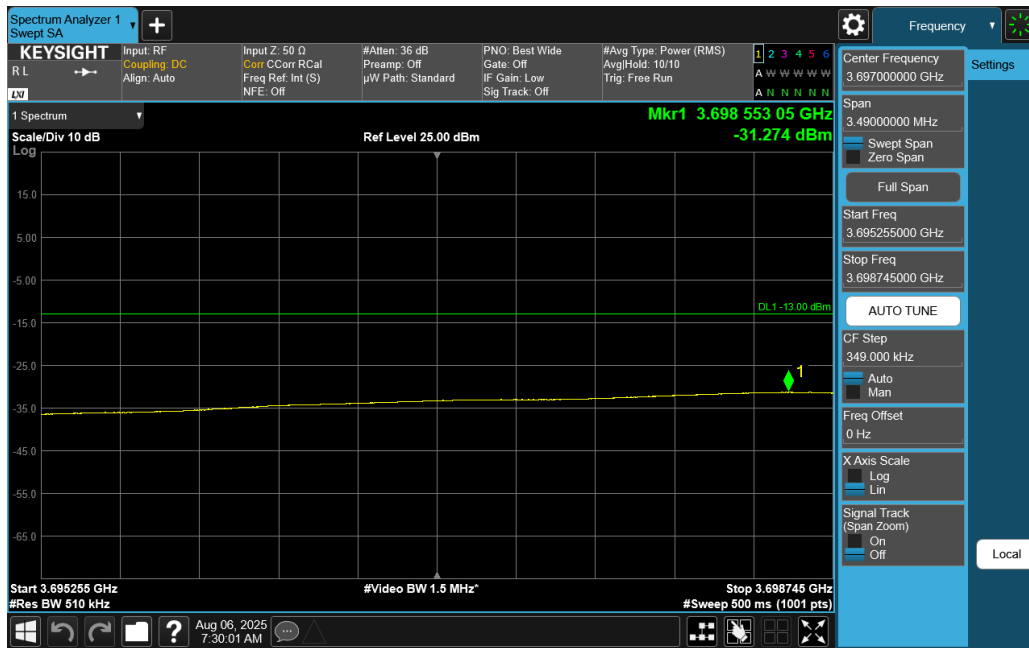
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-259. Extended Lower Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

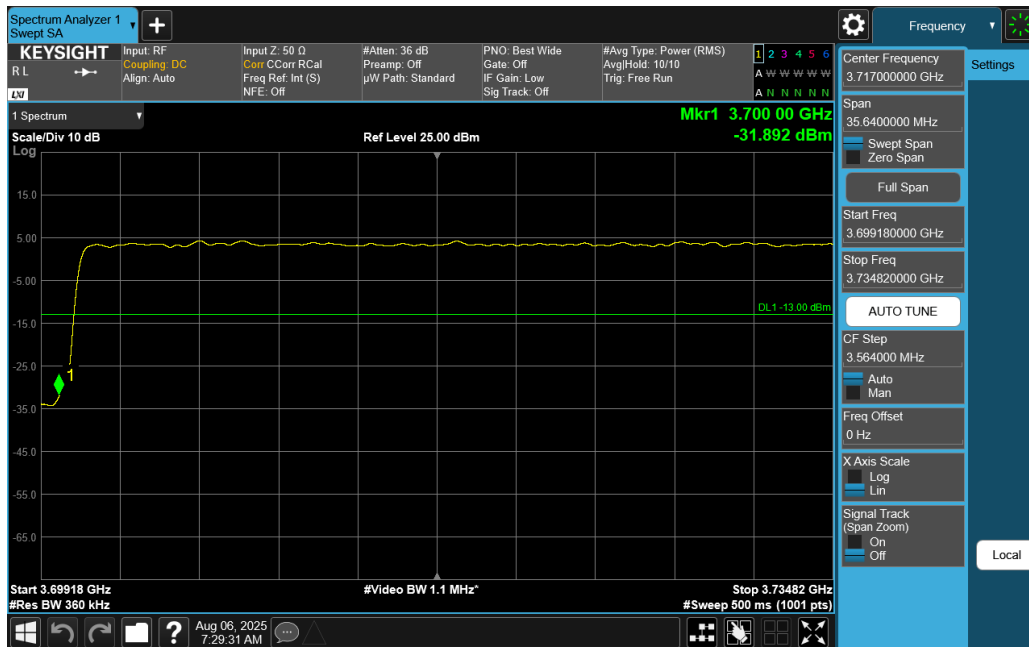


Plot 7-260. Extended Lower Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

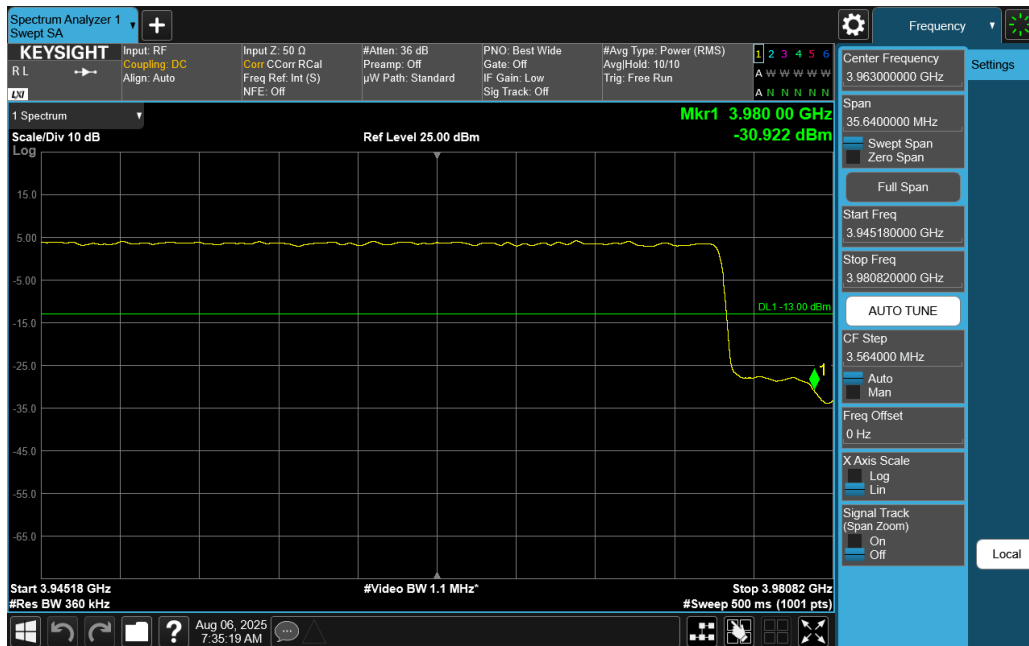
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-261. Lower Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

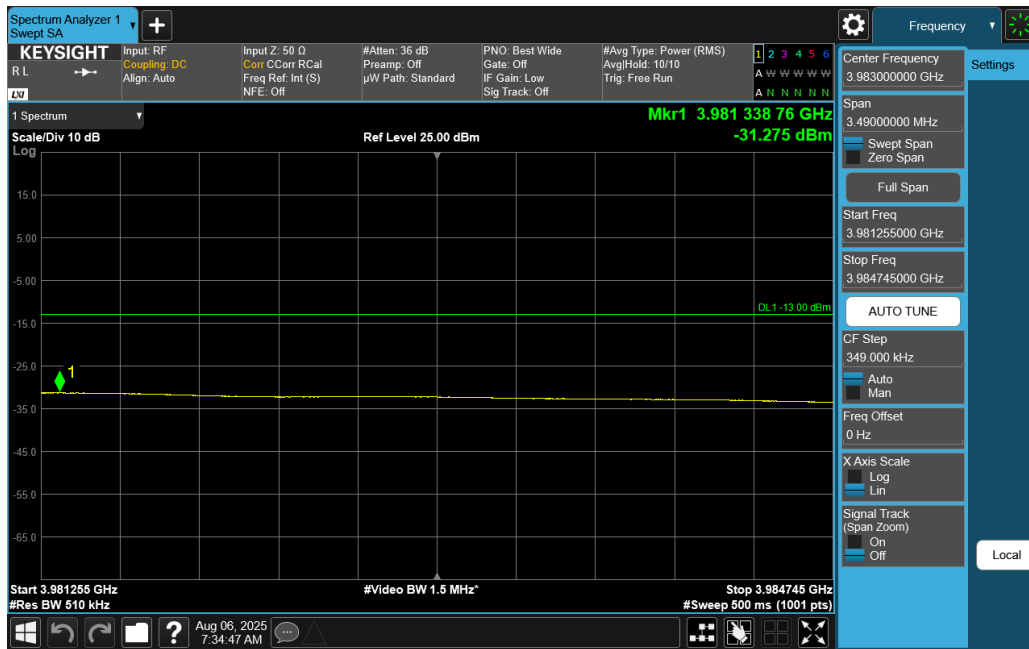


Plot 7-262. Upper Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

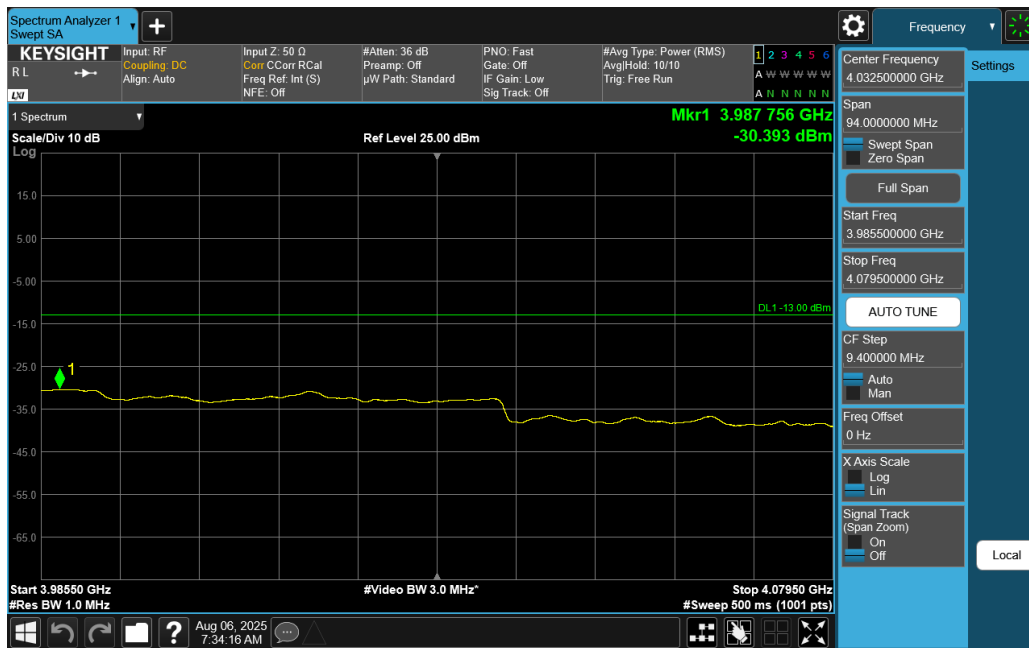
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 152 of 257

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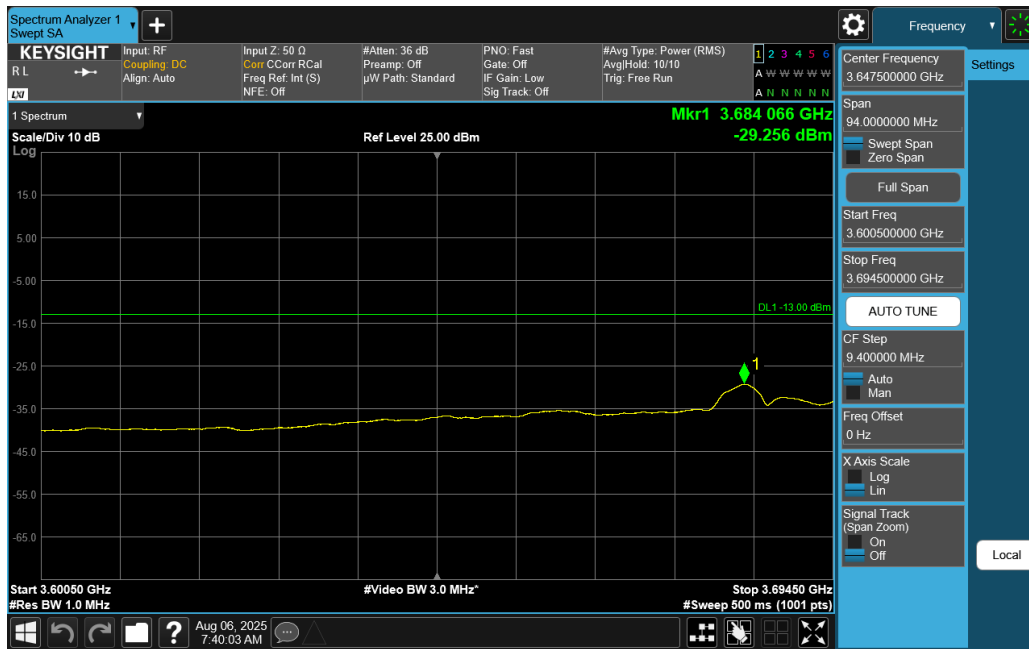


Plot 7-263. Extended Upper Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

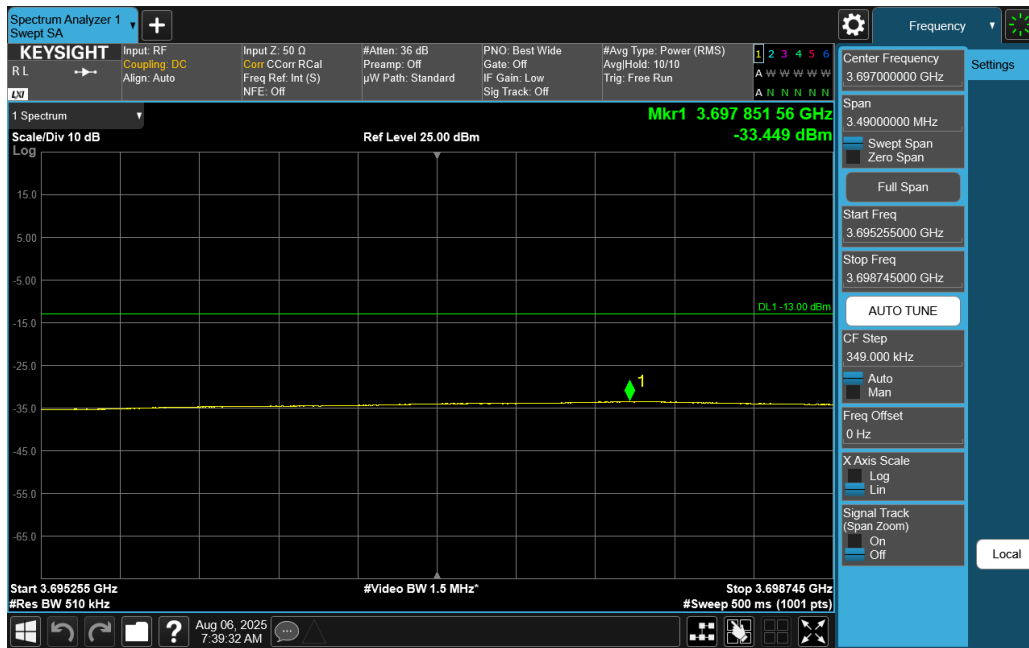


Plot 7-264. Extended Upper Band Edge Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-11.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 153 of 257

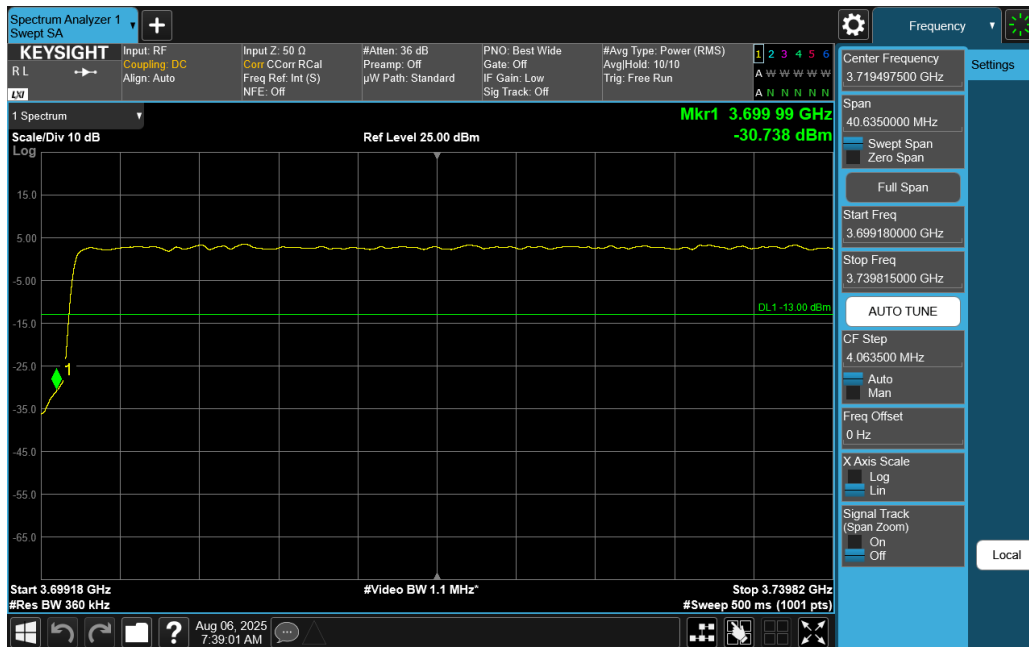


Plot 7-265. Extended Lower Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

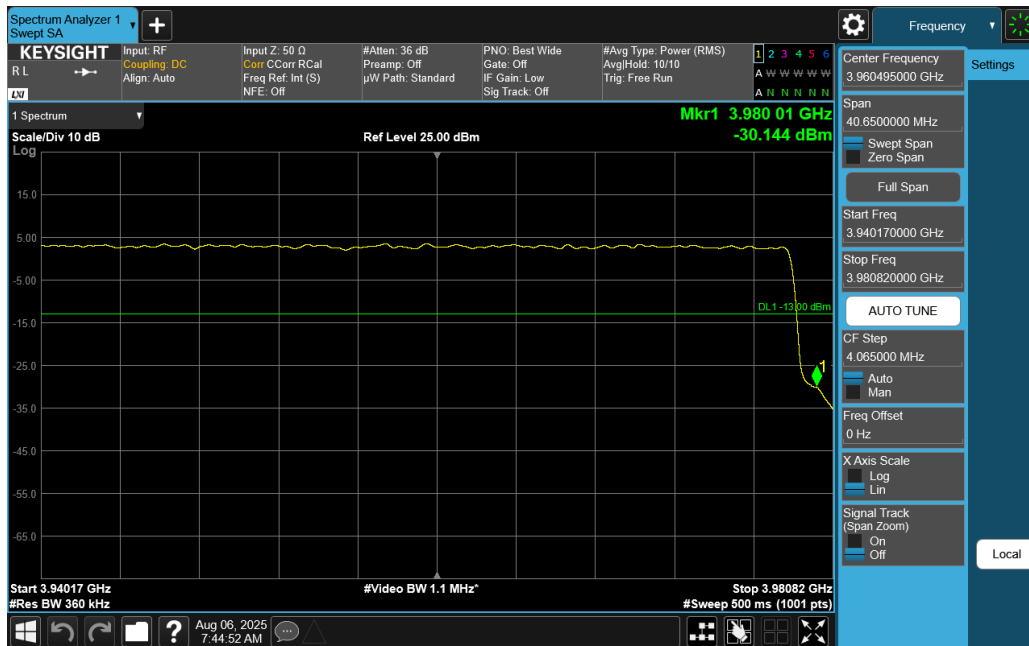


Plot 7-266. Extended Lower Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-267. Lower Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

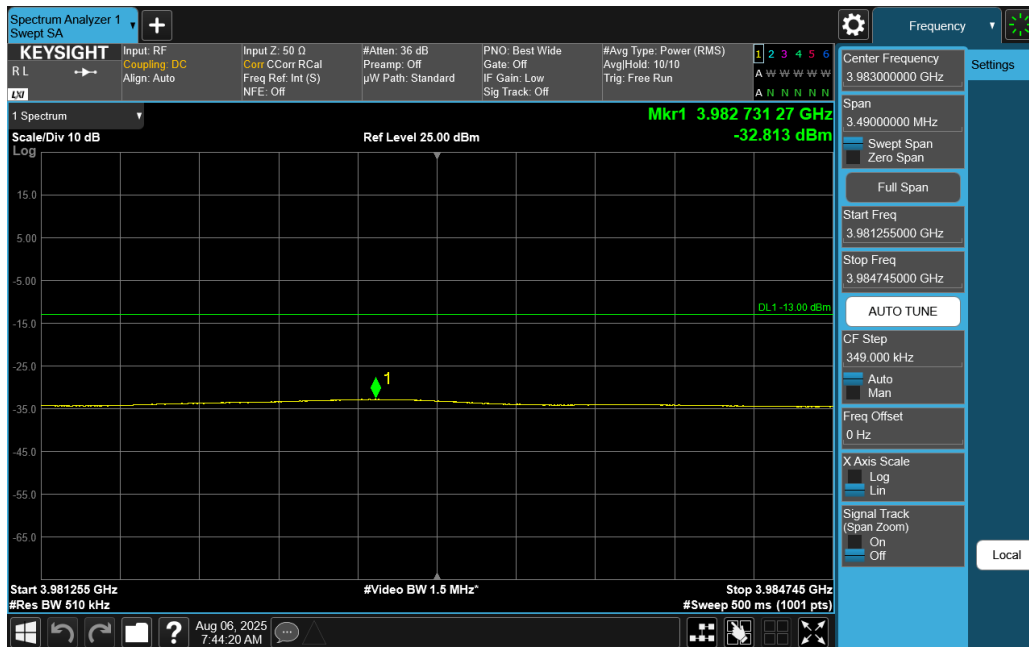


Plot 7-268. Upper Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

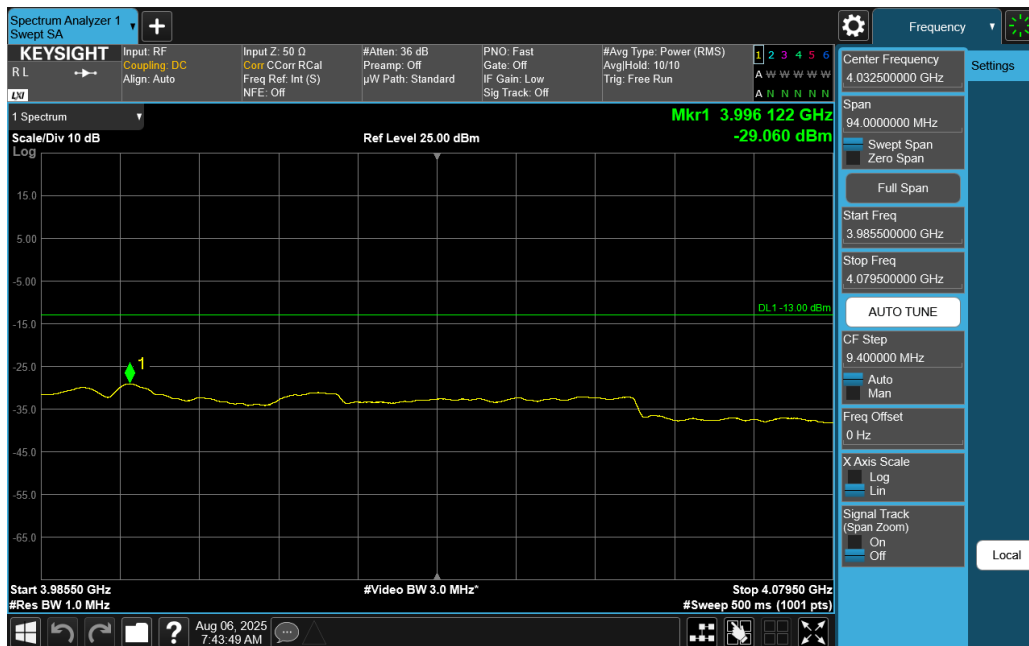
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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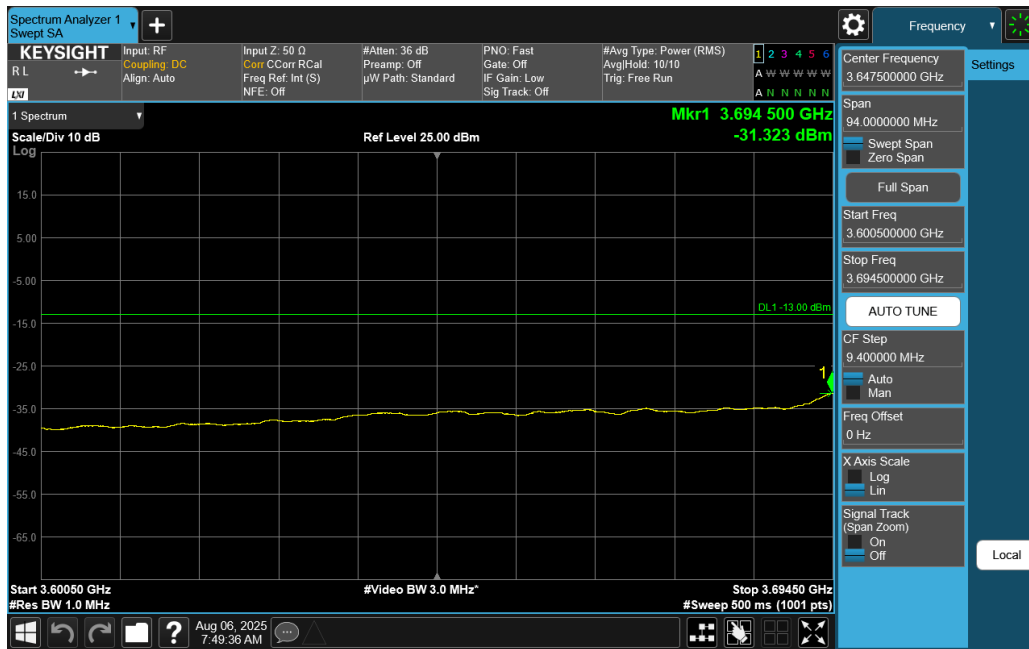


Plot 7-269. Extended Upper Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

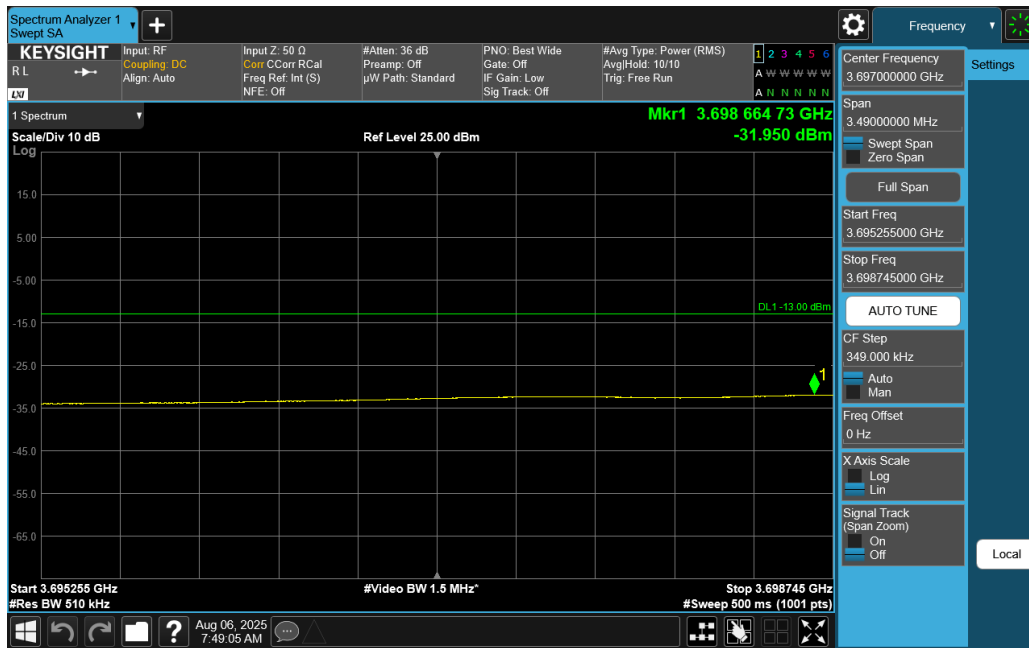


Plot 7-270. Extended Upper Band Edge Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK – Full RB)

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Plot 7-271. Extended Lower Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

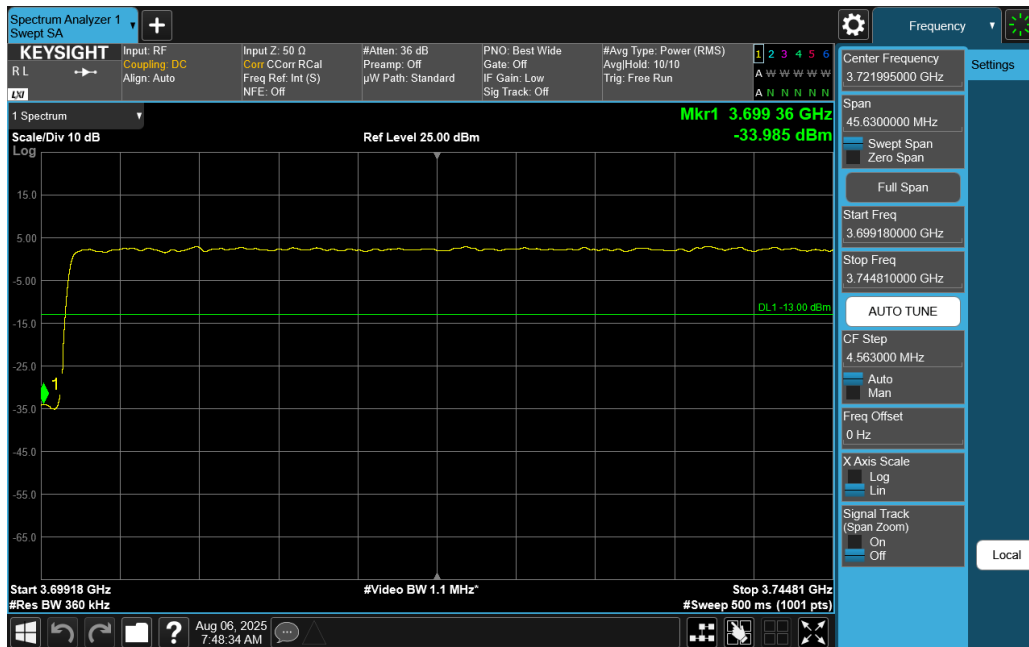


Plot 7-272. Extended Lower Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

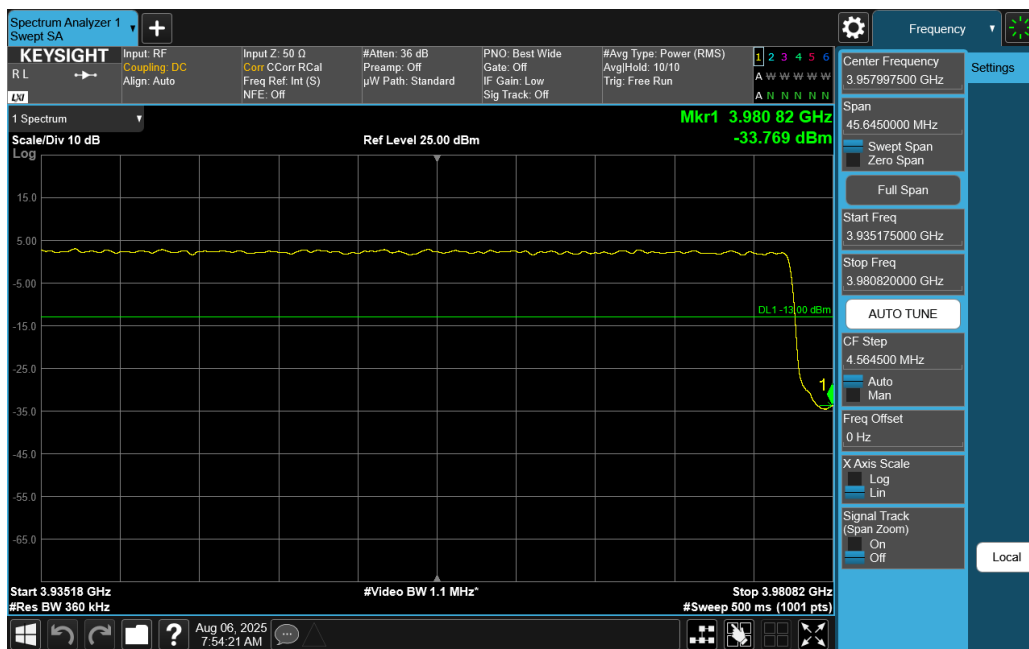
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-273. Lower Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

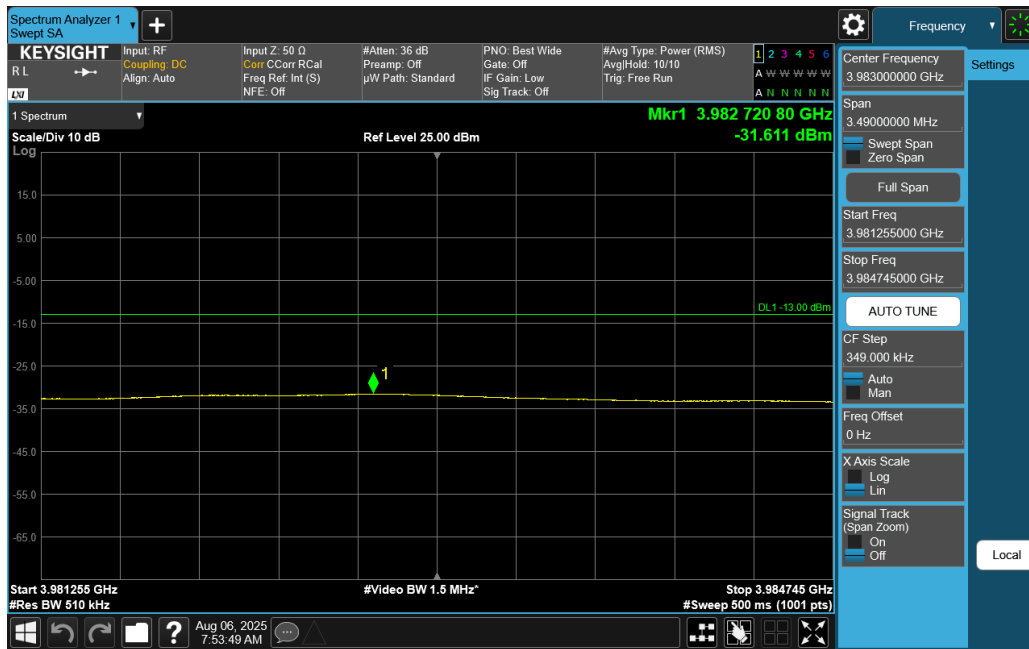


Plot 7-274. Upper Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

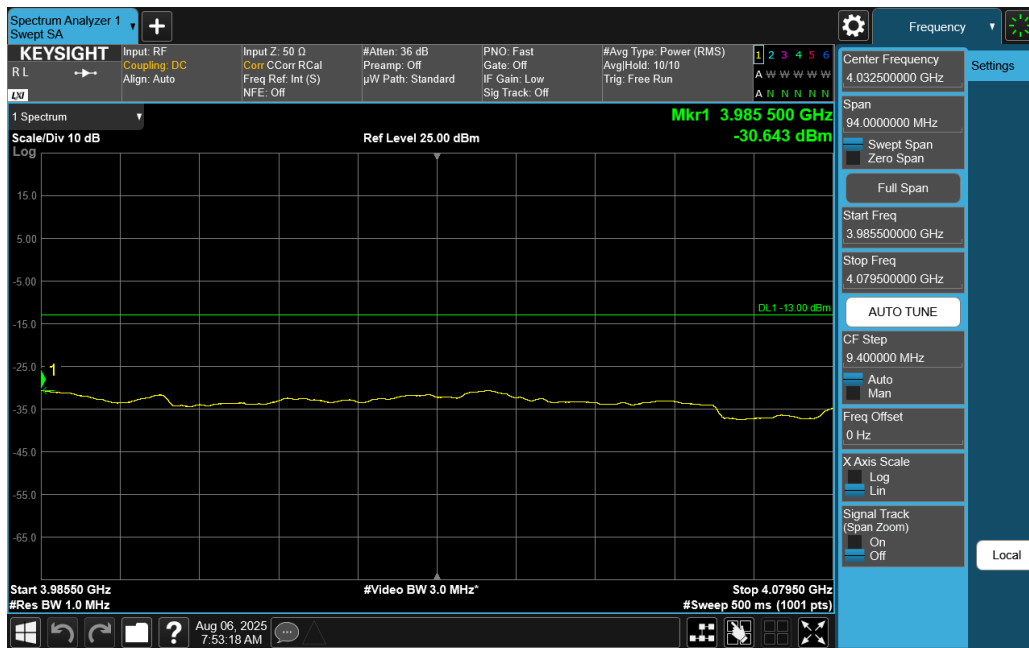
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-275. Extended Upper Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

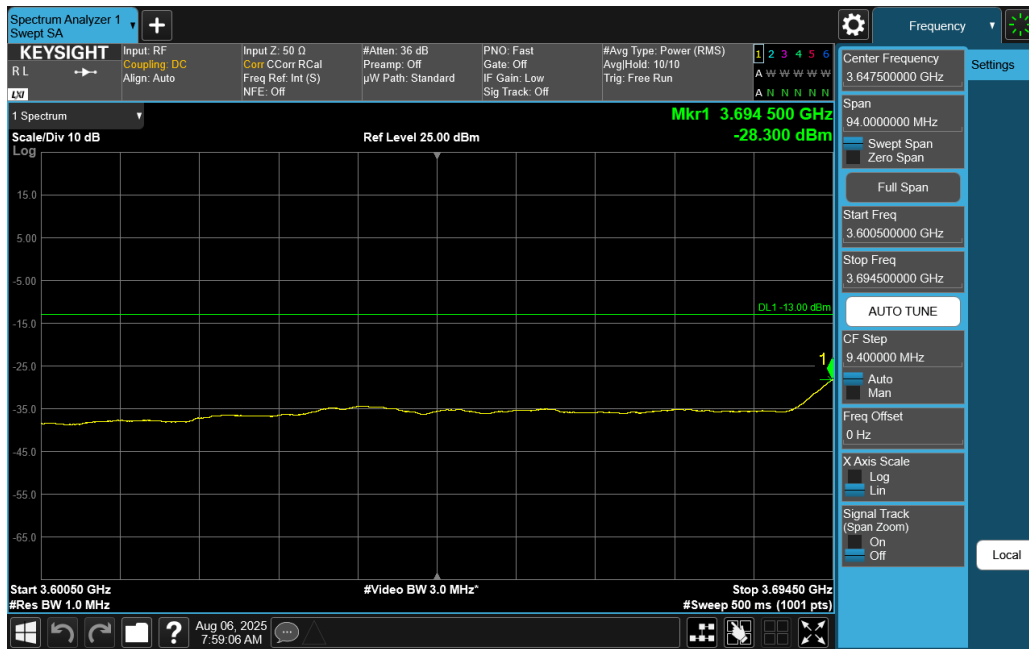


Plot 7-276. Extended Upper Band Edge Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK – Full RB)

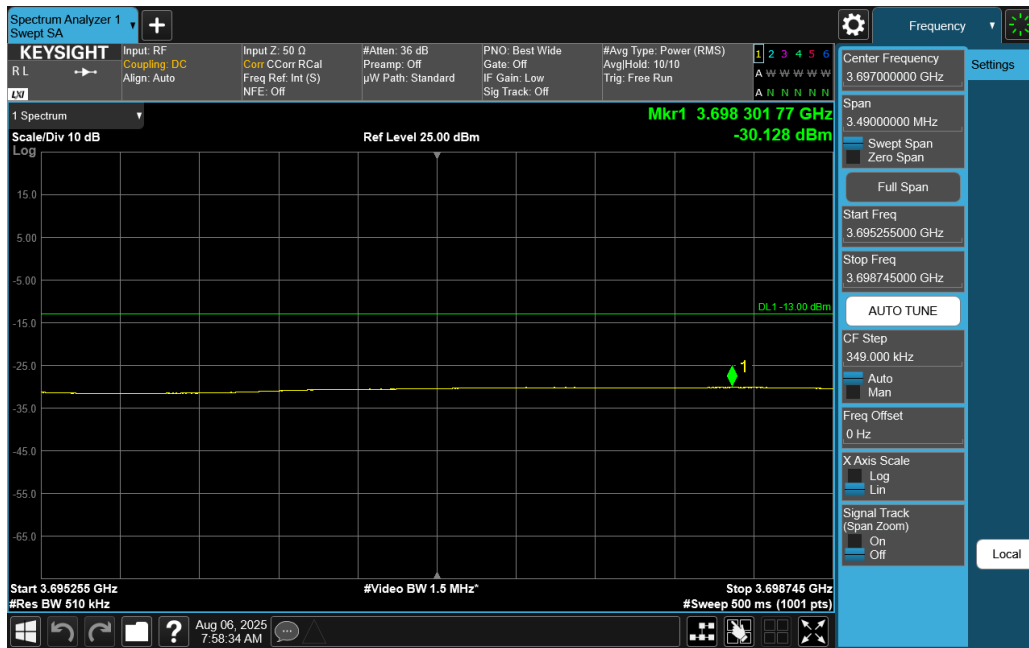
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-277. Extended Lower Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)

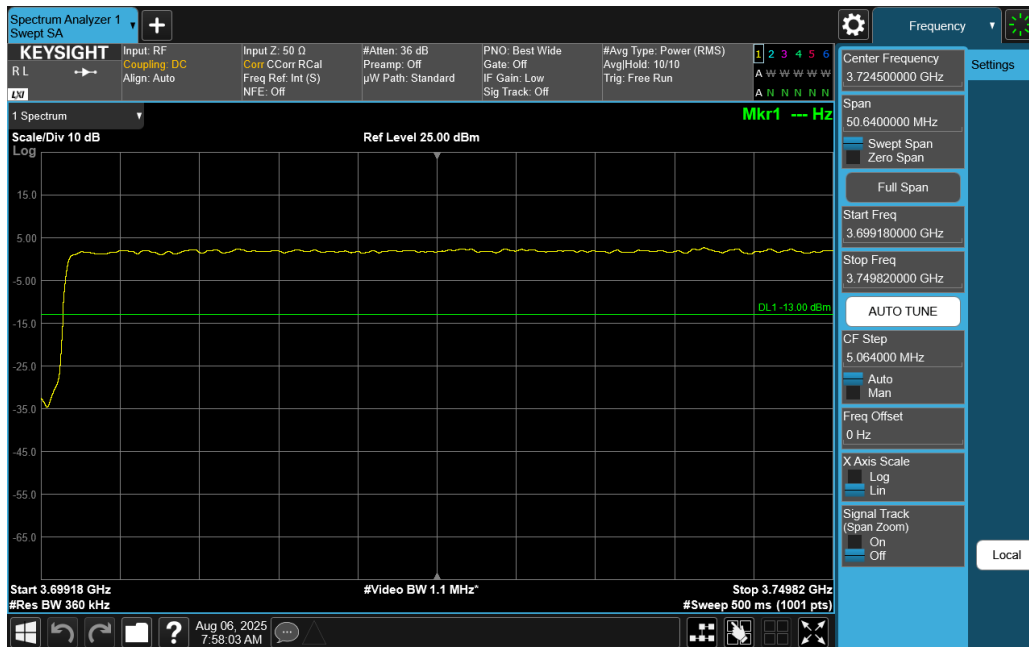


Plot 7-278. Extended Lower Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)

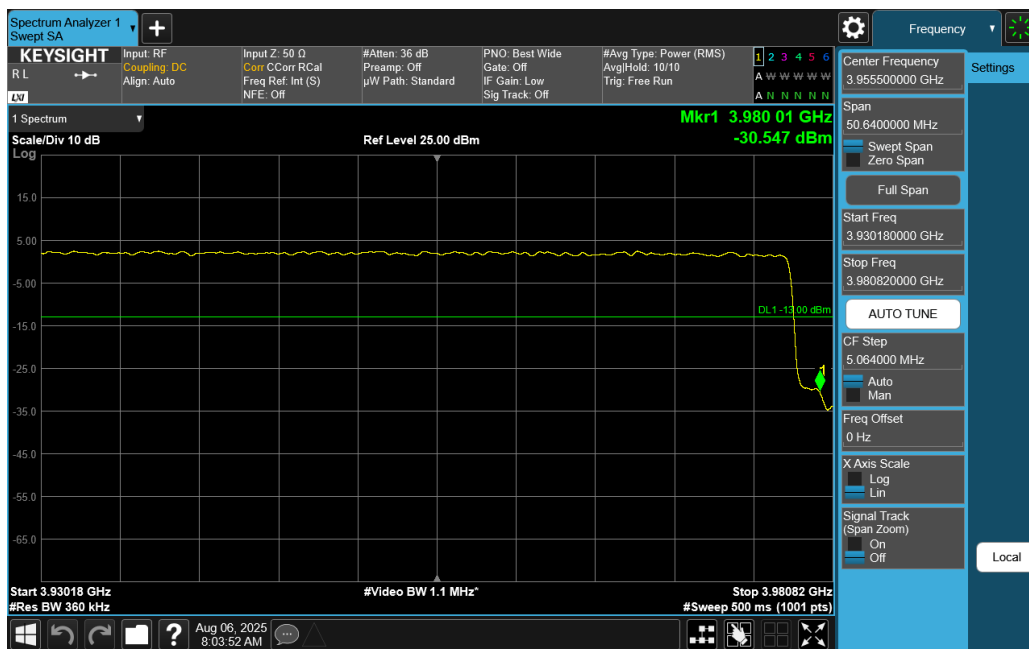
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-279. Lower Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)

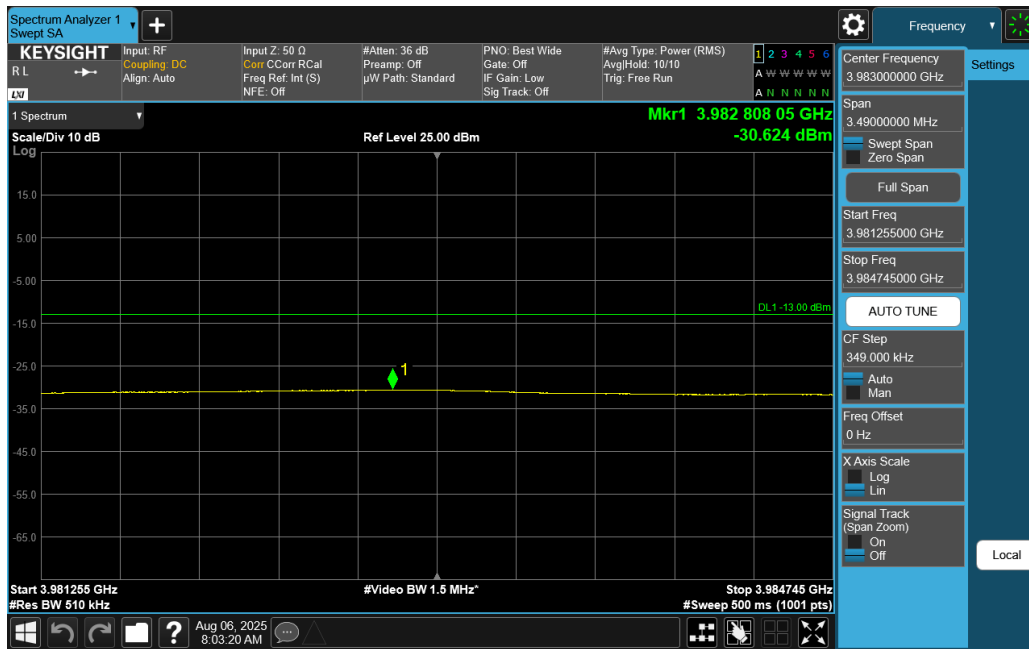


Plot 7-280. Upper Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)

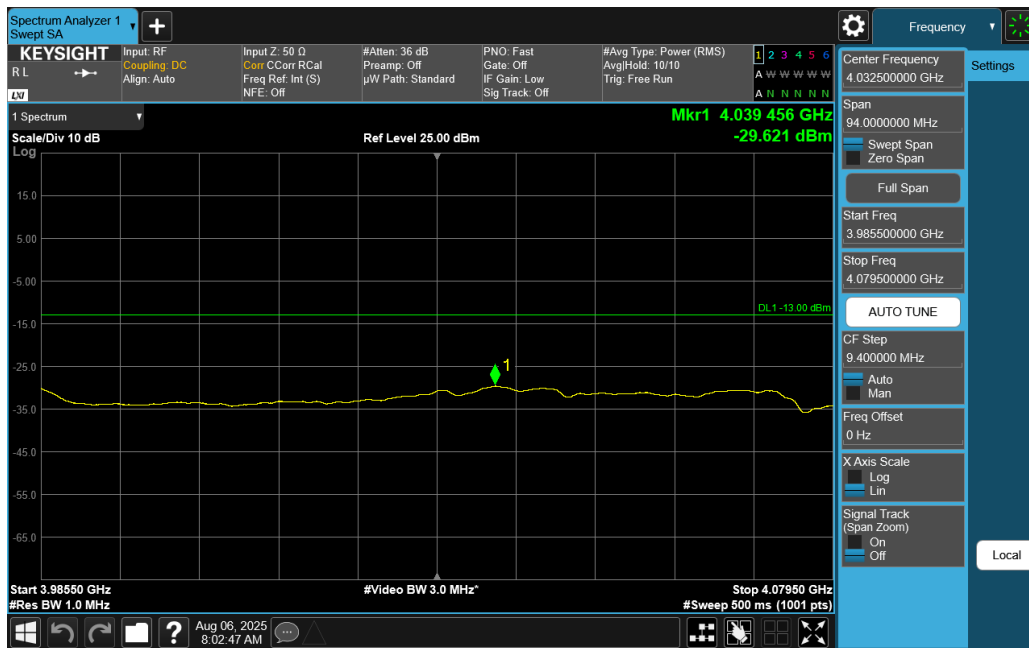
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-281. Extended Upper Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-282. Extended Upper Band Edge Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – Full RB)

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7.5 Peak-Average Ratio

§27.50(k)(4), §27.50(j)(4):

Test Overview and Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. All ports were tested and only the worst case data were reported.

The peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW ≥ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

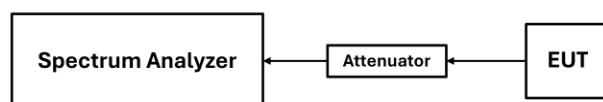


Figure 7-4. FR1 Test Instrument & Measurement Setup

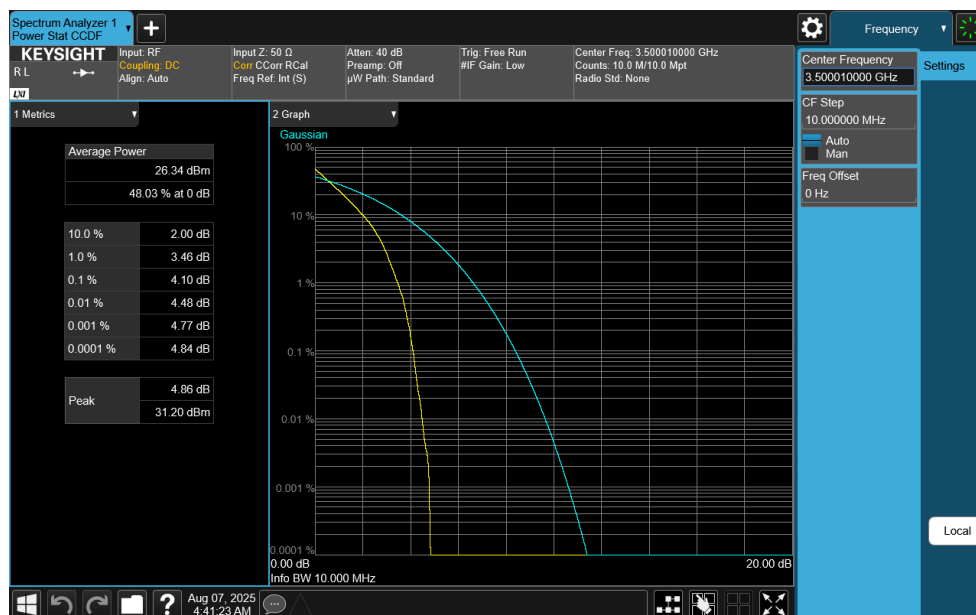
Test Notes

1. 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.

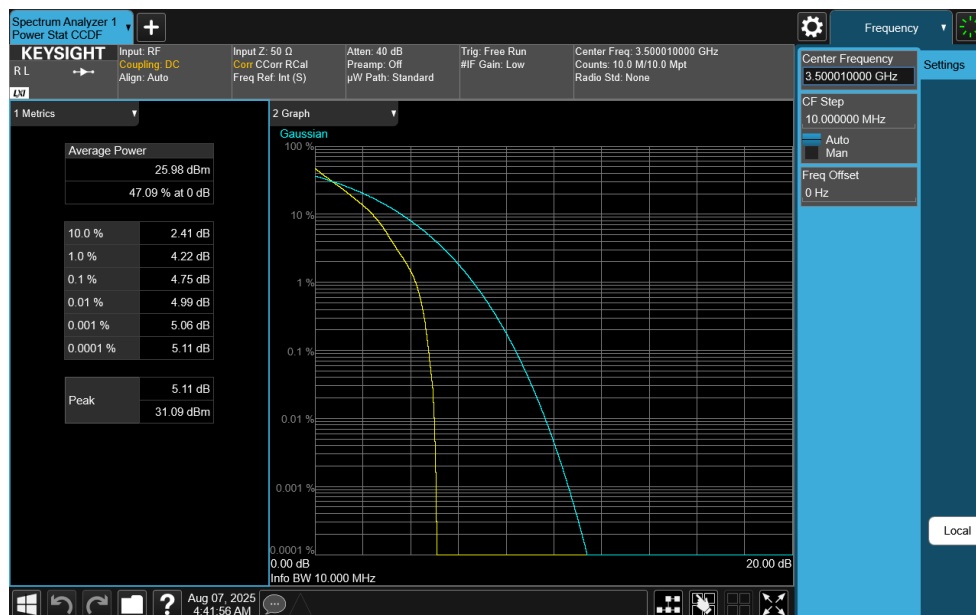
FCC ID: BCGA3361		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 DoD-Band



Plot 7-283. PAR Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

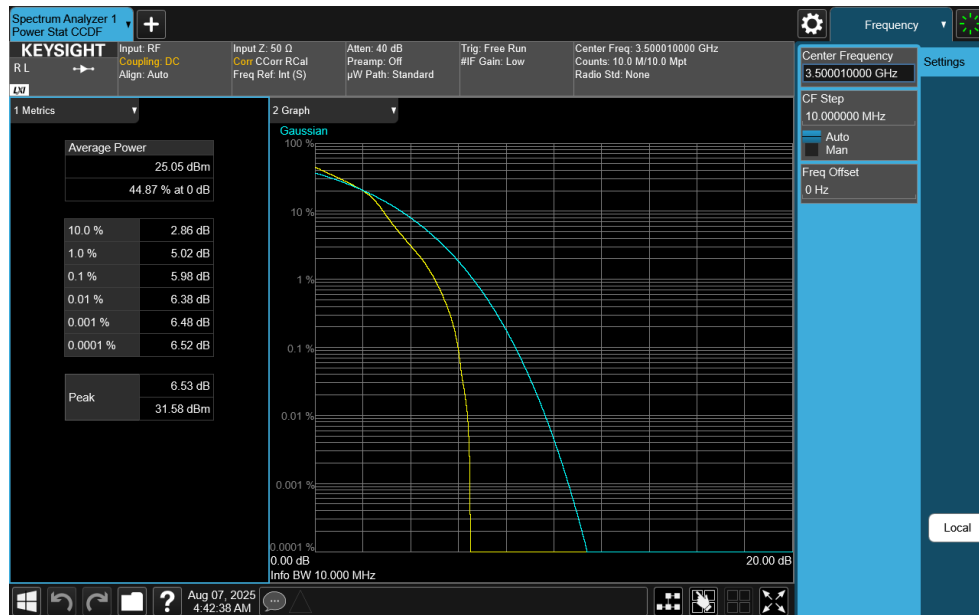


Plot 7-284. PAR Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

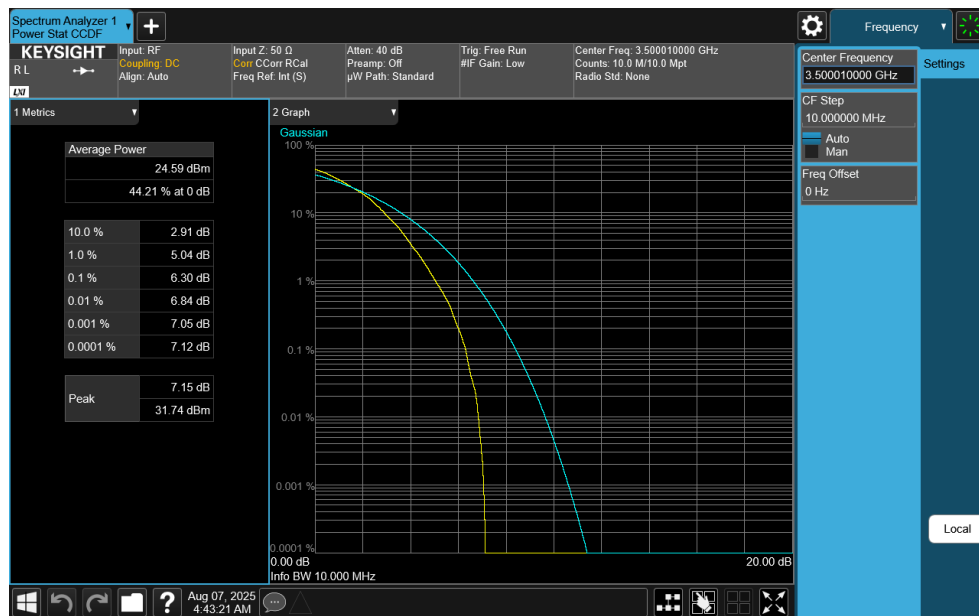
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-285. PAR Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM 16-QAM - Full RB)

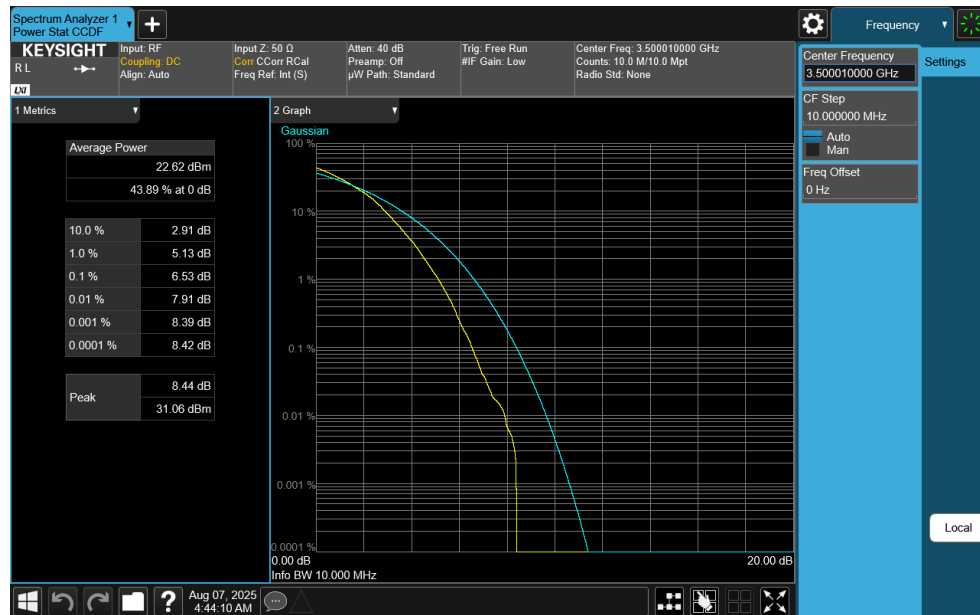


Plot 7-286. PAR Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM 64-QAM - Full RB)

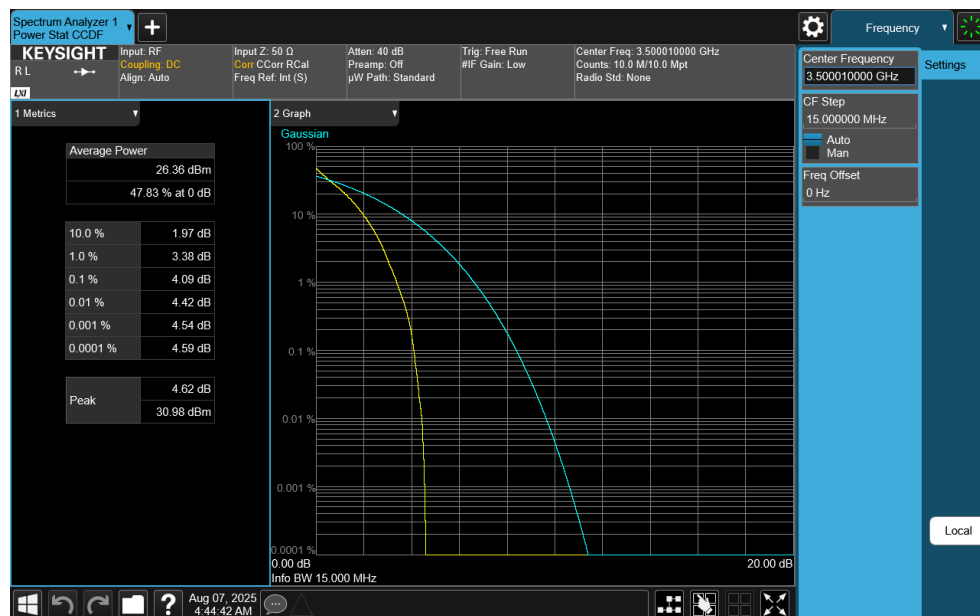
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-287. PAR Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM 256-QAM - Full RB)

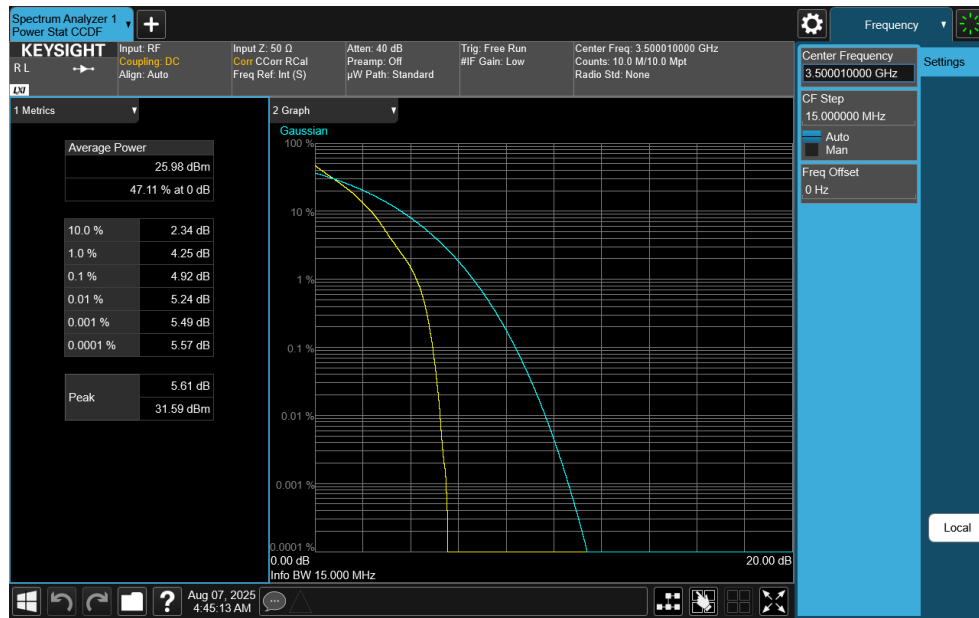


Plot 7-288. PAR Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

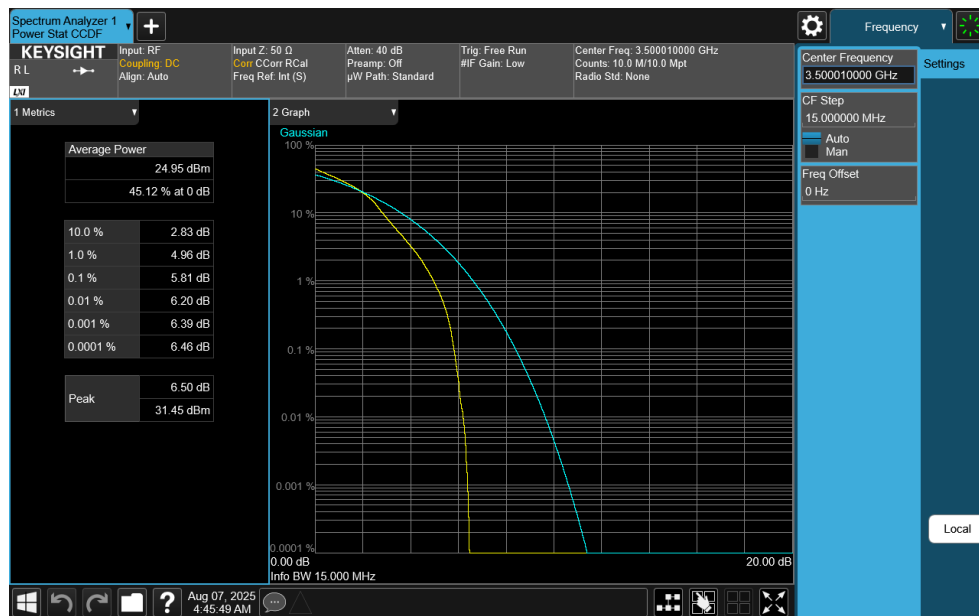
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-289. PAR Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

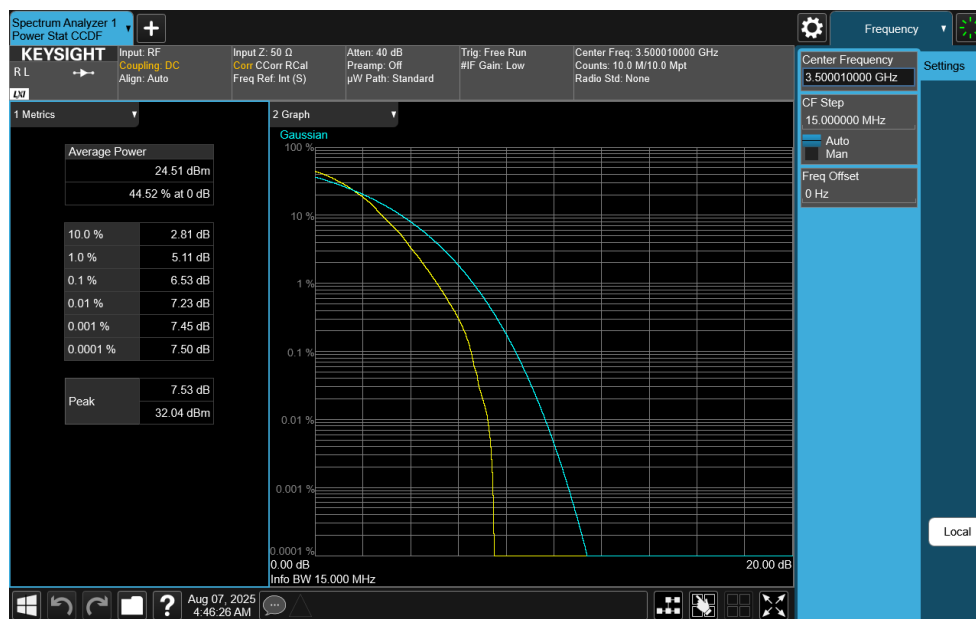


Plot 7-290. PAR Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM 16-QAM - Full RB)

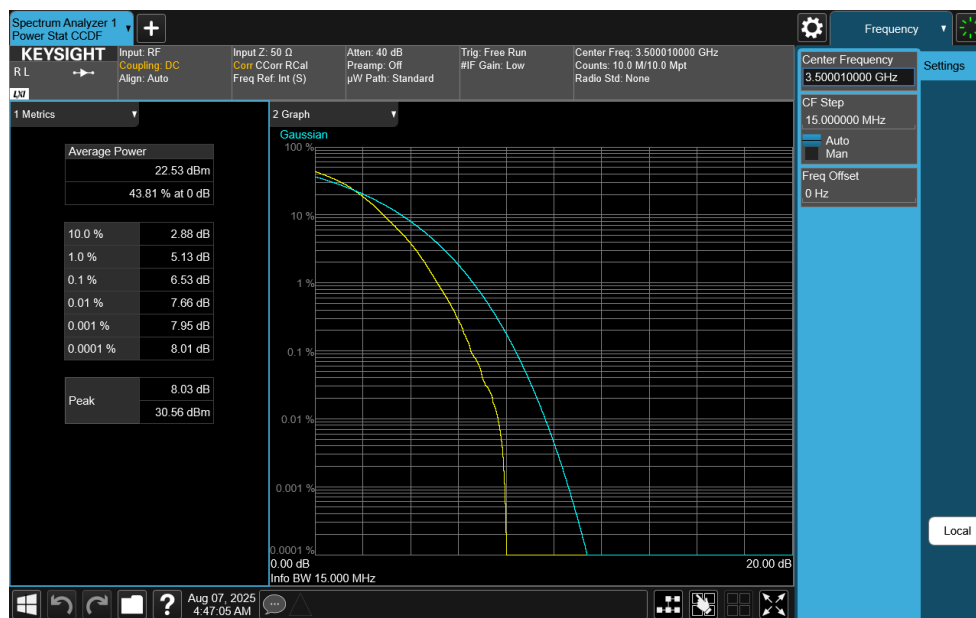
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-291. PAR Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM 64-QAM - Full RB)

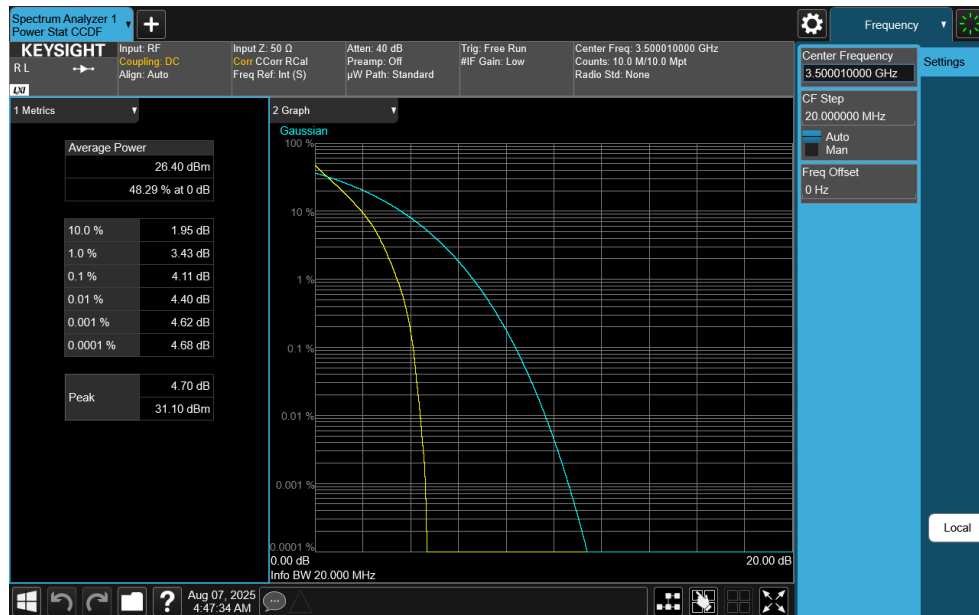


Plot 7-292. PAR Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM 256-QAM - Full RB)

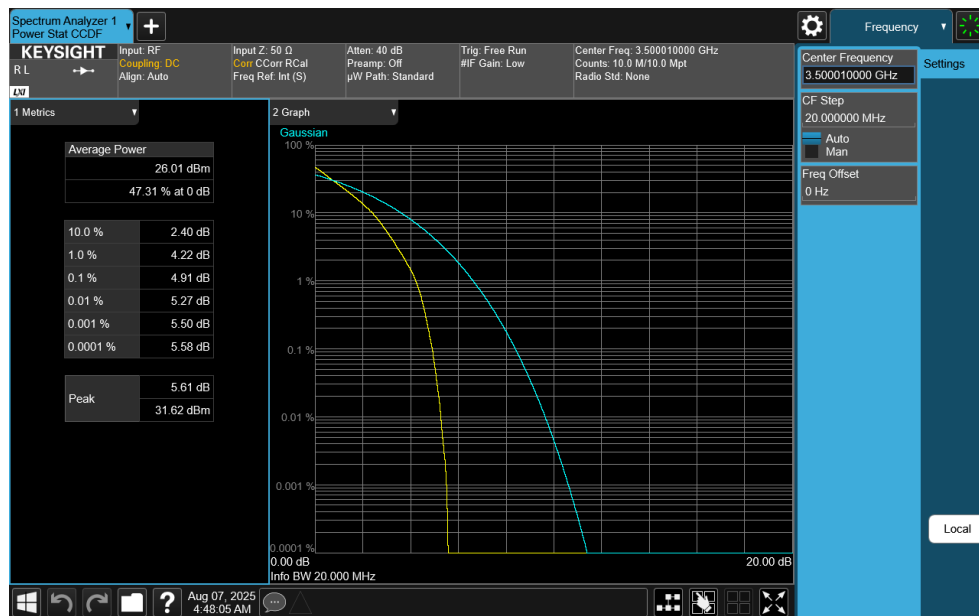
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-293. PAR Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

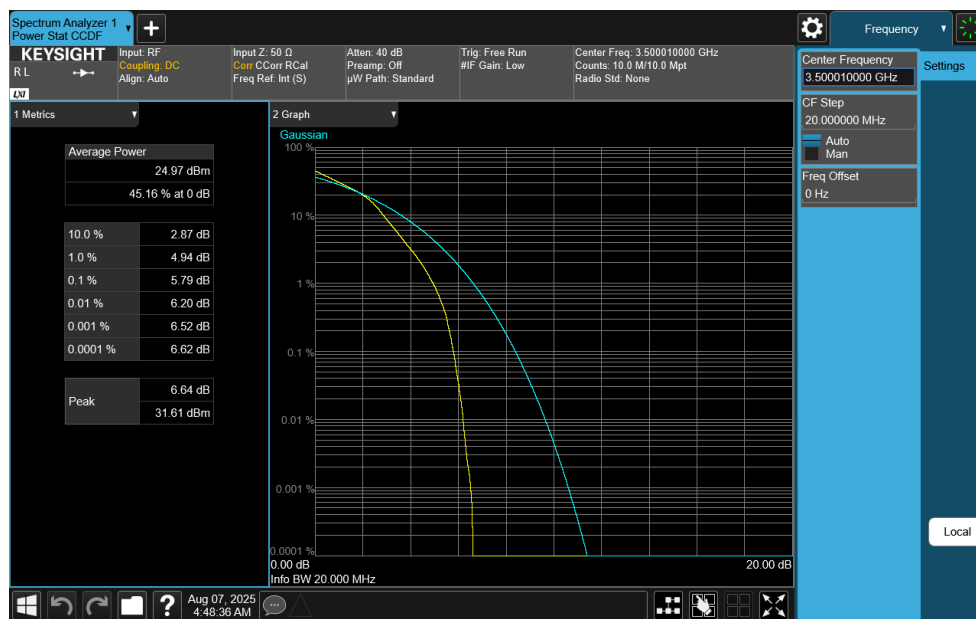


Plot 7-294. PAR Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK - Full RB)

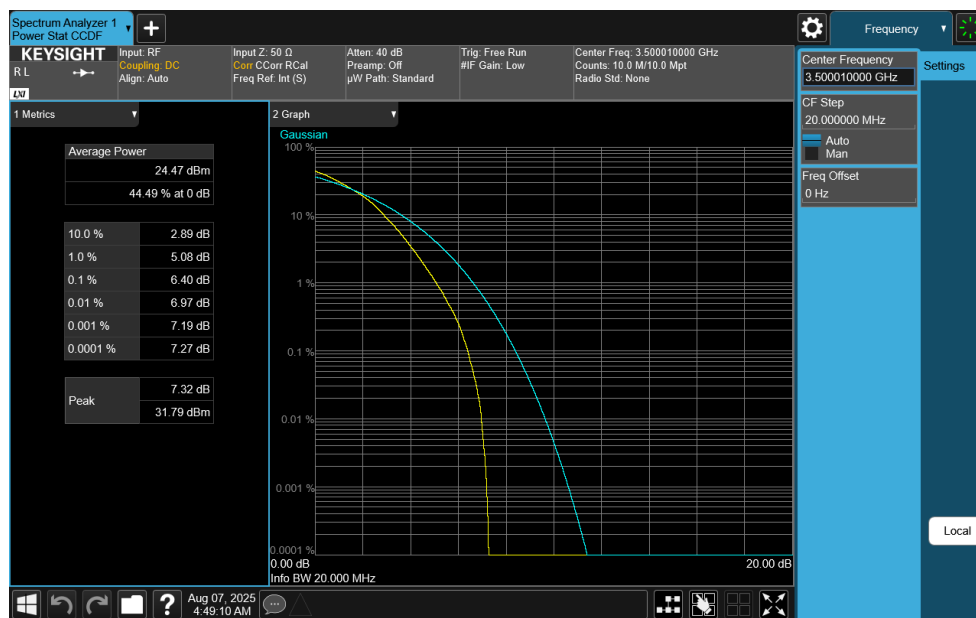
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-295. PAR Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM 16-QAM - Full RB)

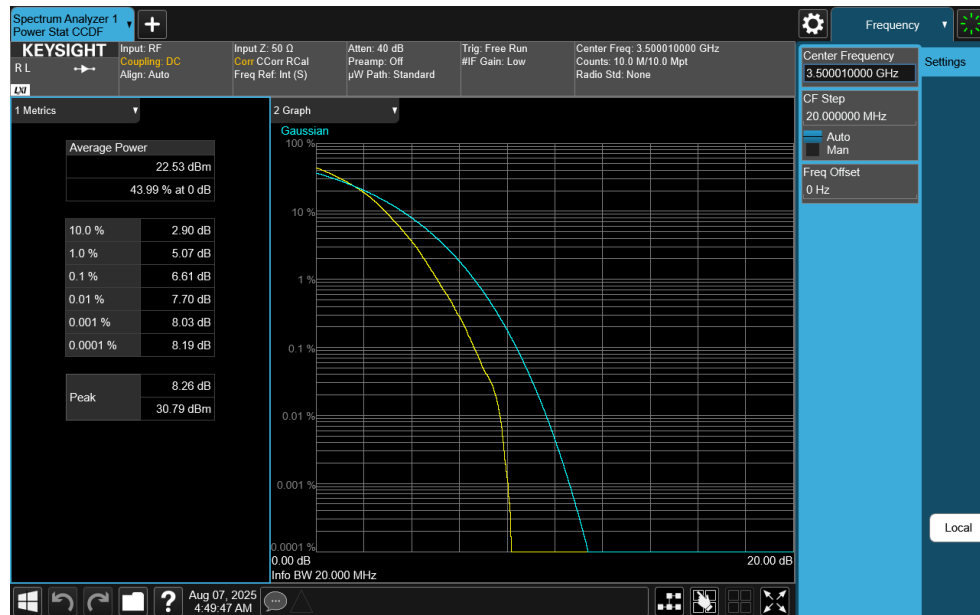


Plot 7-296. PAR Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM 64-QAM - Full RB)

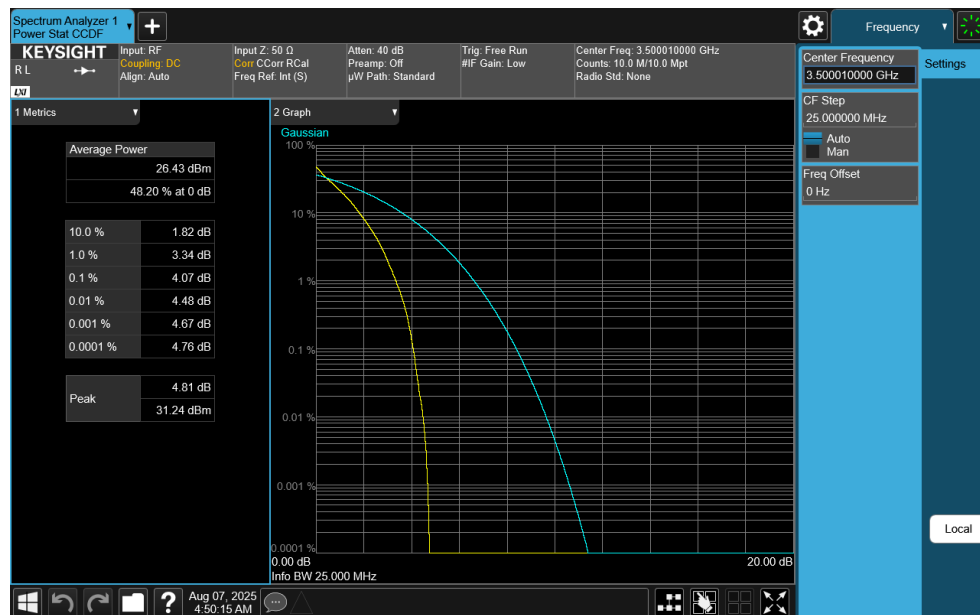
FCC ID: BCGA3361	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-297. PAR Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM 256-QAM - Full RB)



Plot 7-298. PAR Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

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