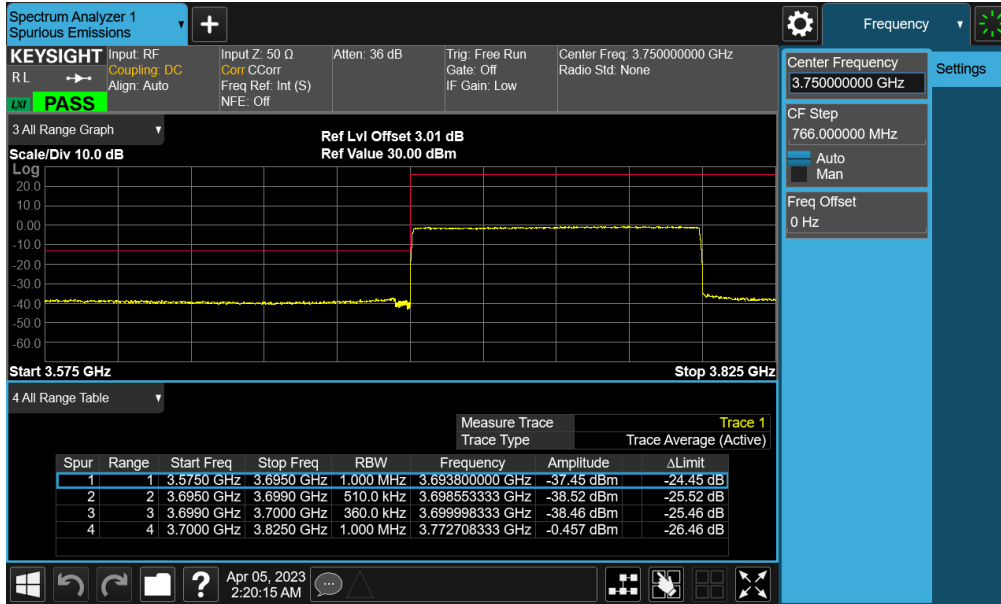
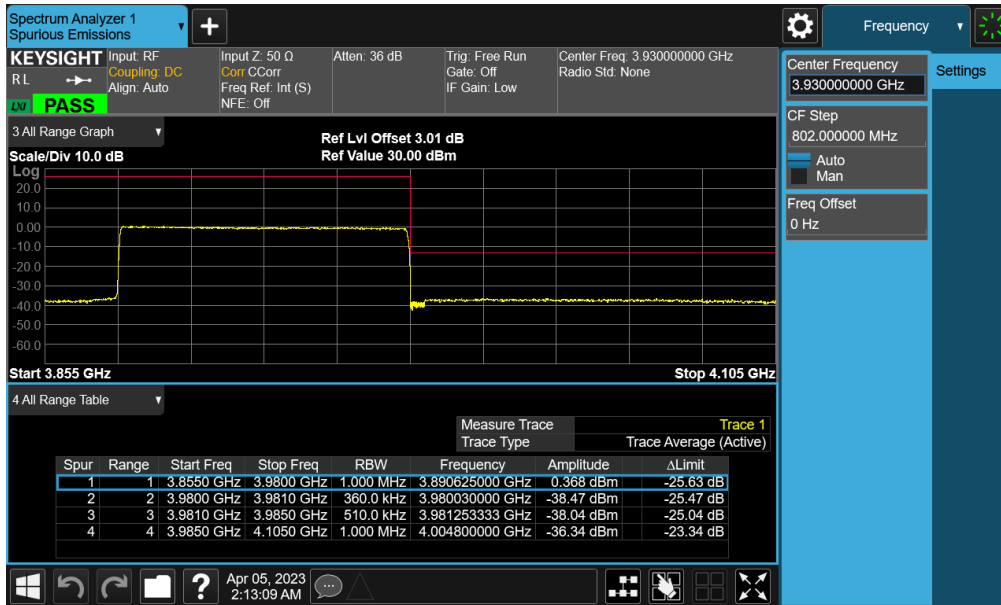


NR Band n77 PC3 (C-band) – Sub-UHB (UL-MIMO)



Plot 7-203. Lower ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – Sub-UHB (UL-MIMO))

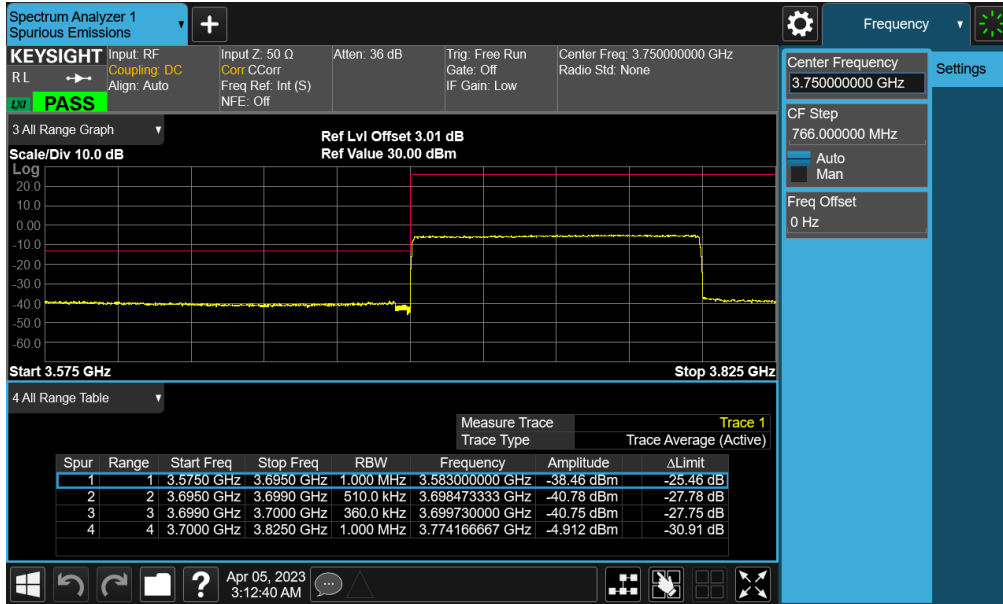


Plot 7-204. Upper ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – Sub-UHB)

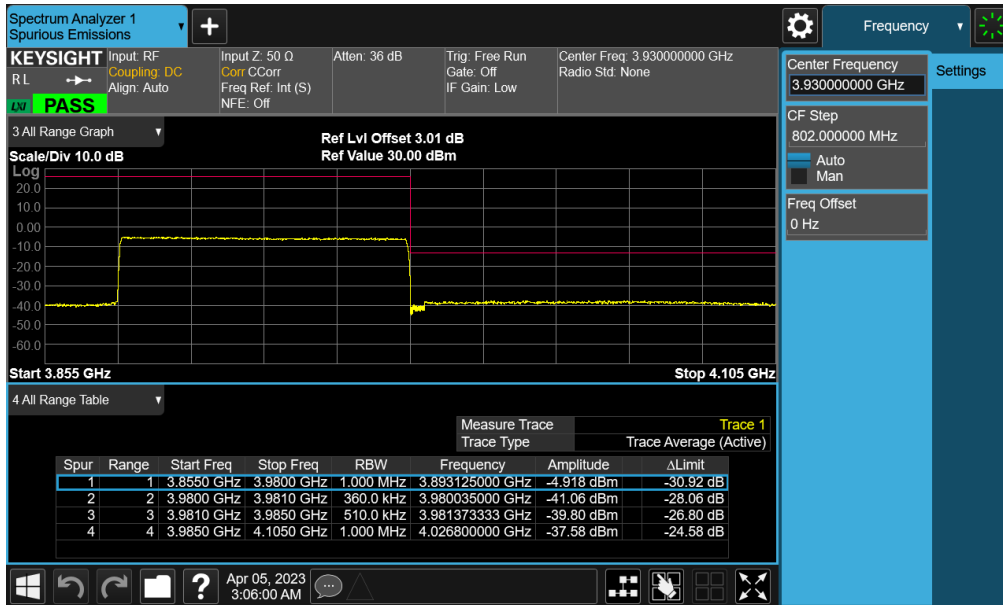
FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC3 (C-band) – 3rd-LMHB (SRS 2T4R)



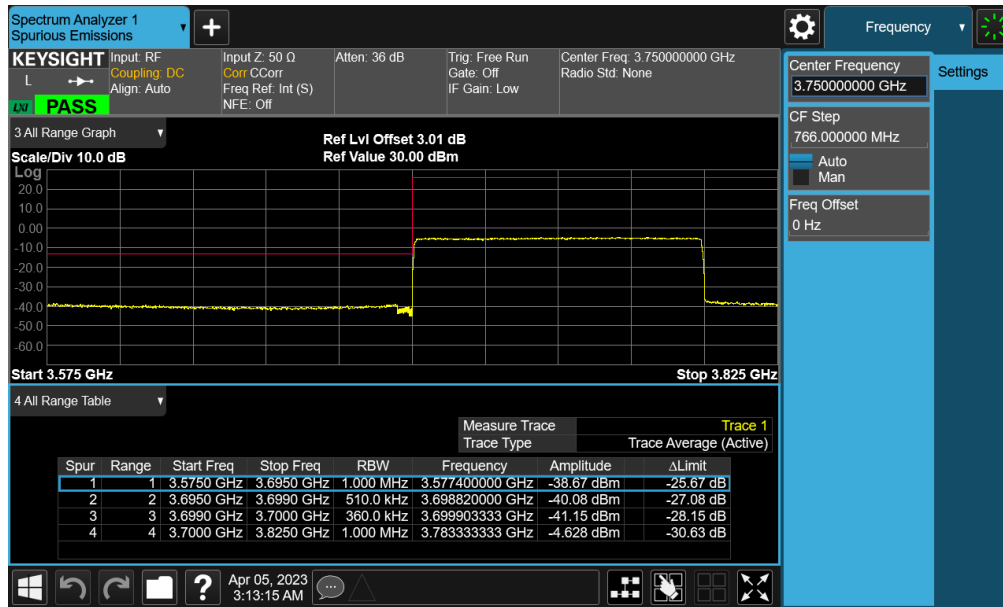
Plot 7-205. Lower ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 3rd-LMHB (SRS 2T4R))



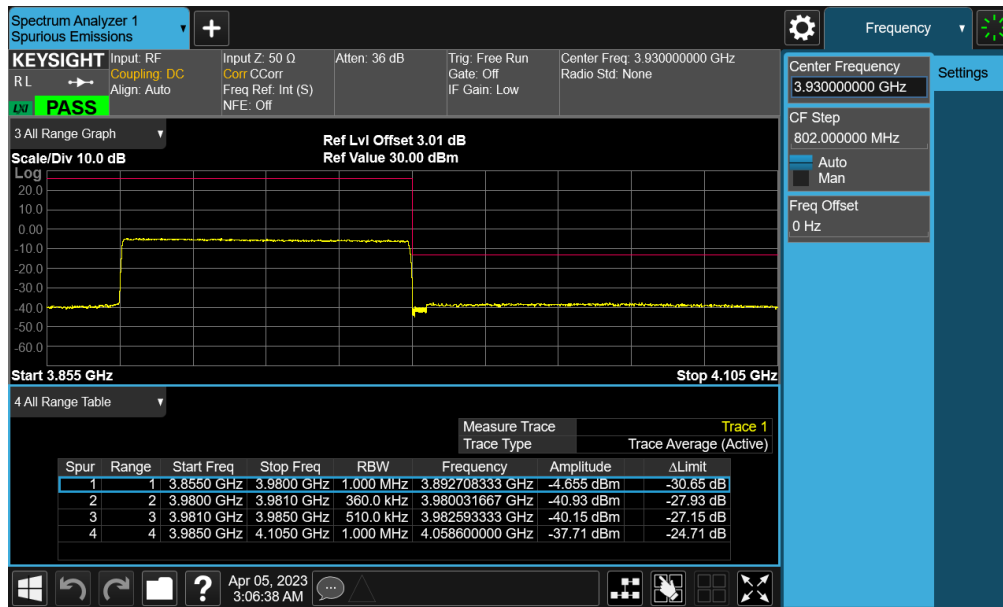
Plot 7-206. Upper ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 3rd-LMHB (SRS 2T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC3 (C-band) – 4th-LMH (SRS 2T4R)



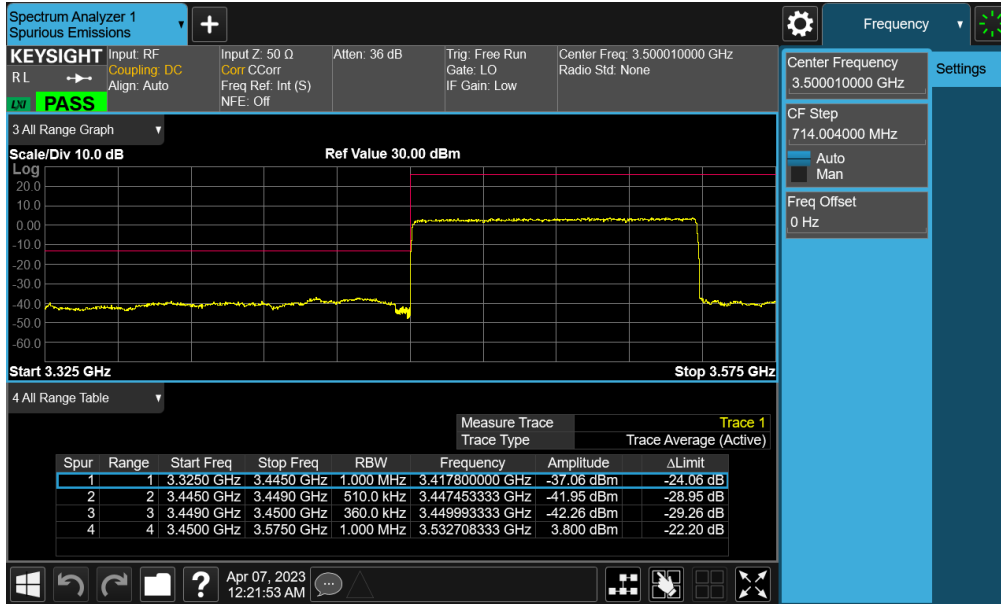
Plot 7-207. Lower ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 2T4R))



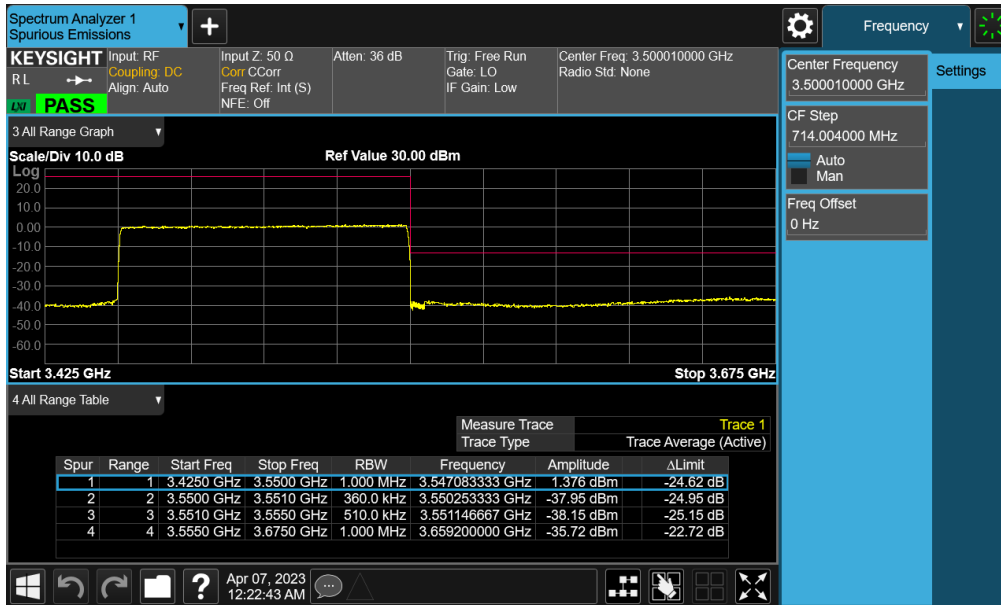
Plot 7-208. Upper ACP Plot (NR Band n77 PC3 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 2T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC2 (DoD) – Main1

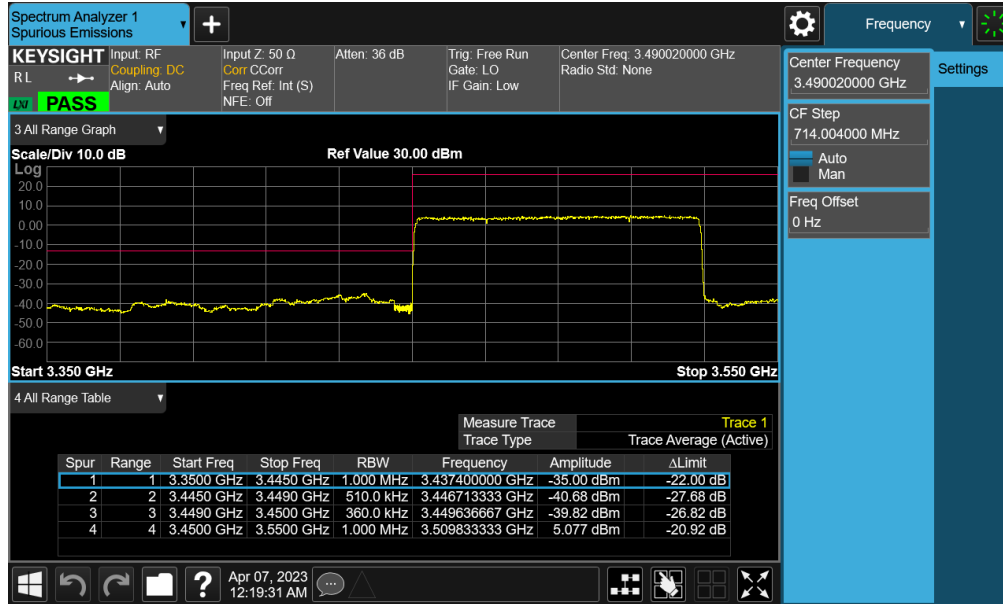


Plot 7-209. Lower ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB - Main1)

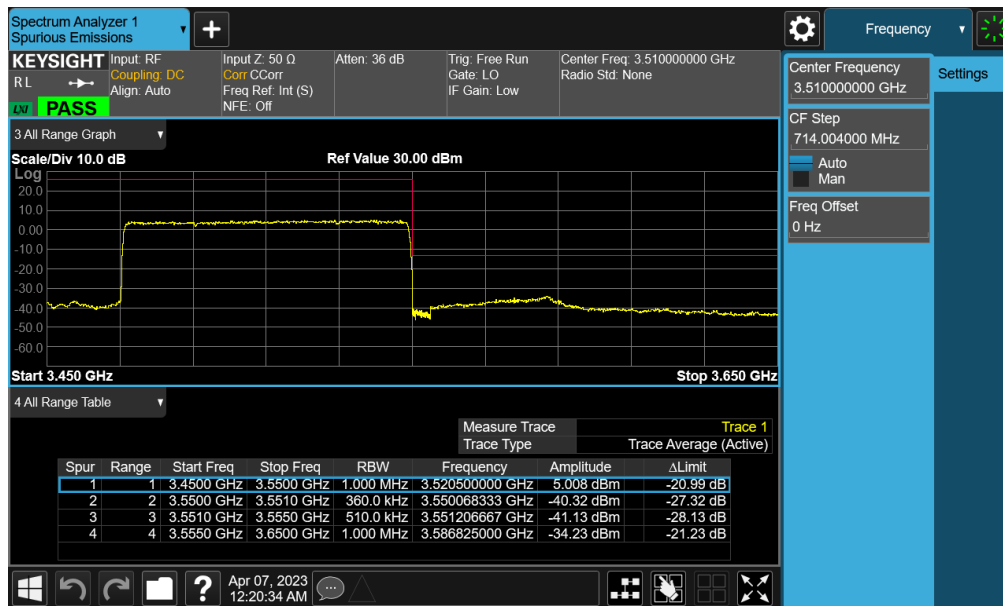


Plot 7-210. Upper ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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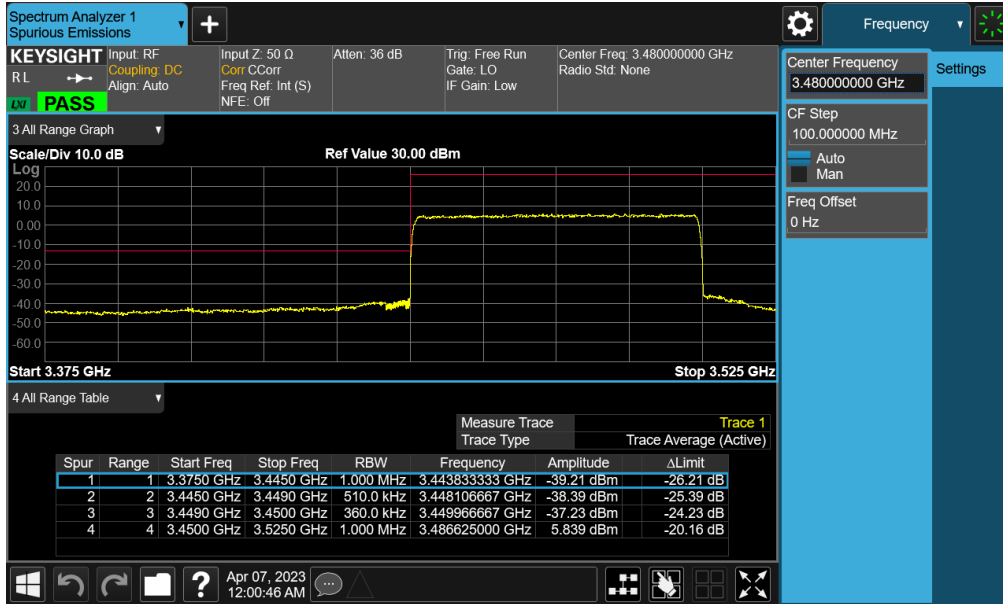


Plot 7-211. Lower ACP Plot (NR Band n77 PC2 (DoD) - 80MHz CP-OFDM-QPSK – Full RB - Main1)

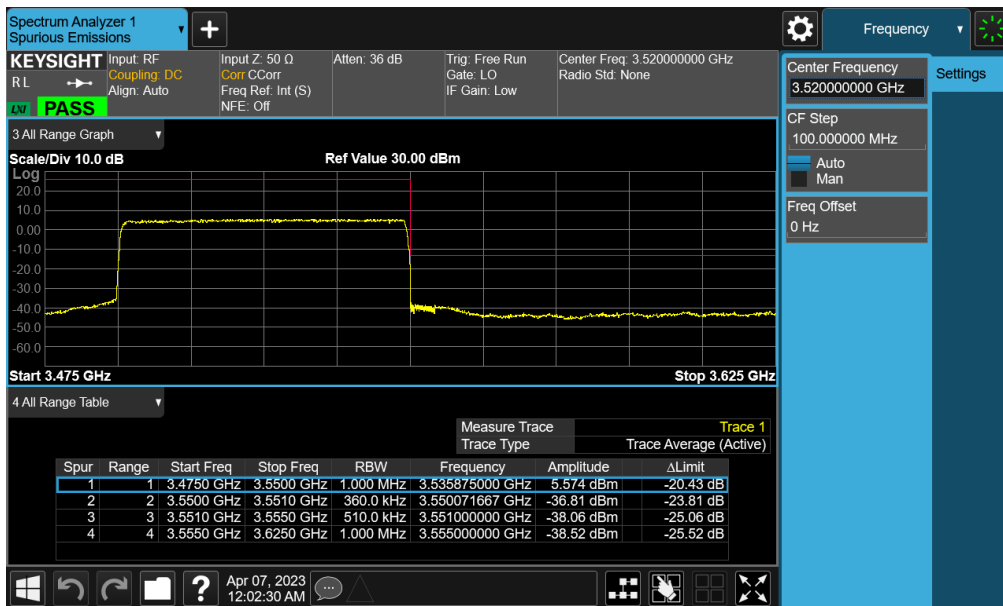


Plot 7-212. Upper ACP Plot (NR Band n77 PC2 (DoD) - 80MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-05-R1.PY7	Test Dates: 02/21/2023 - 4/12/2023	EUT Type: Portable Handset	Page 140 of 255

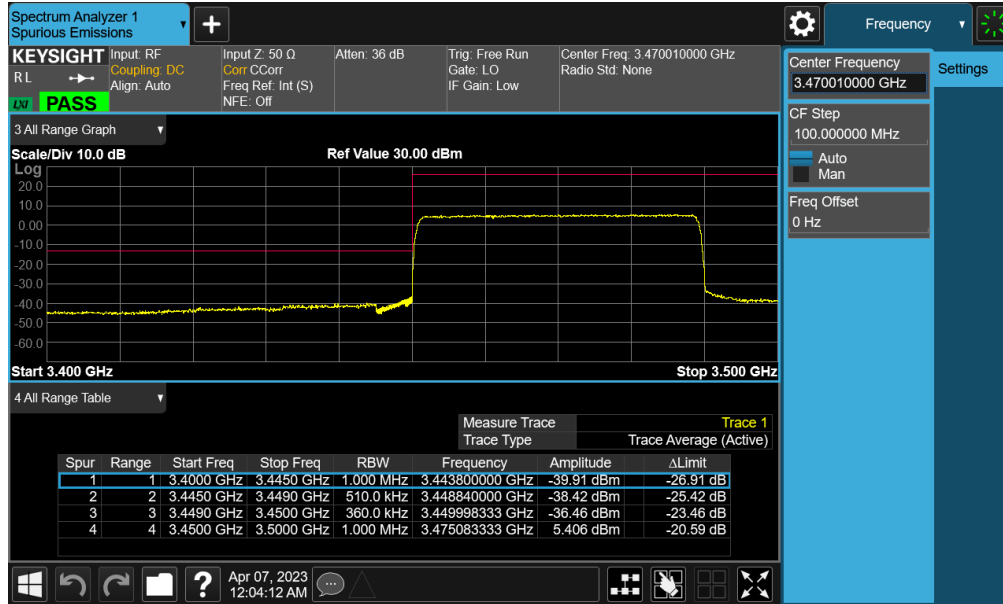


Plot 7-213. Lower ACP Plot (NR Band n77 PC2 (DoD) - 60MHz CP-OFDM-QPSK – Full RB - Main10)

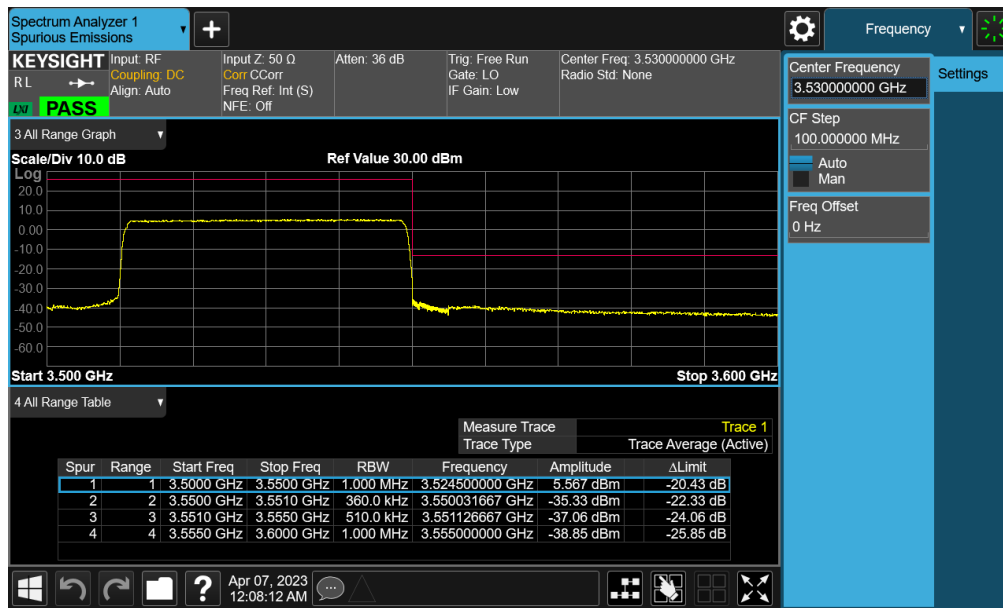


Plot 7-214. Upper ACP Plot (NR Band n77 PC2 (DoD) - 60MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-05-R1.PY7	Test Dates: 02/21/2023 - 4/12/2023	EUT Type: Portable Handset	Page 141 of 255

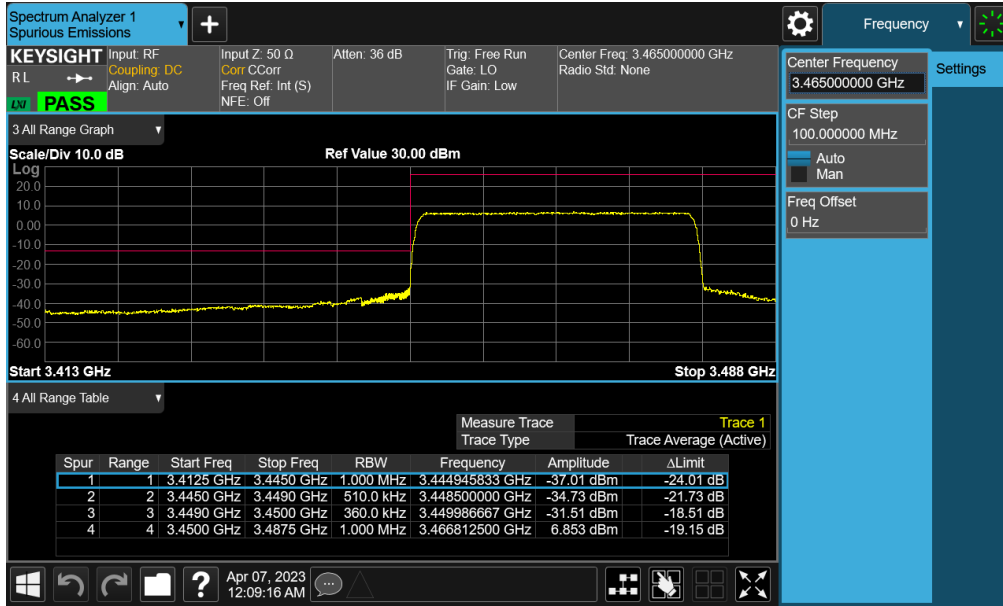


Plot 7-215. Lower ACP Plot (NR Band n77 PC2 (DoD) - 40MHz CP-OFDM-QPSK – Full RB - Main1)

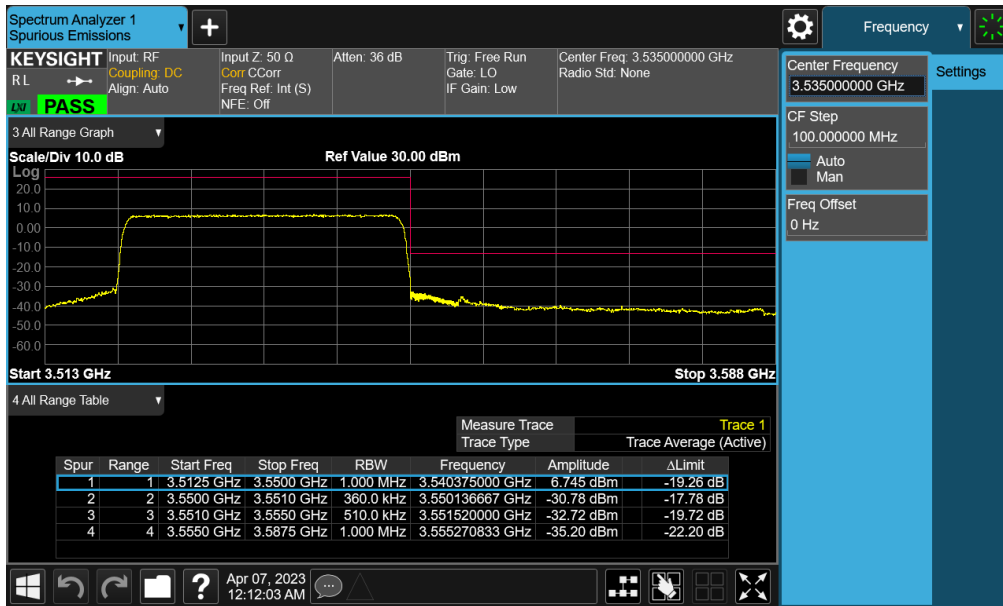


Plot 7-216. Upper ACP Plot (NR Band n77 PC2 (DoD) - 40MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-05-R1.PY7	Test Dates: 02/21/2023 - 4/12/2023	EUT Type: Portable Handset	Page 142 of 255

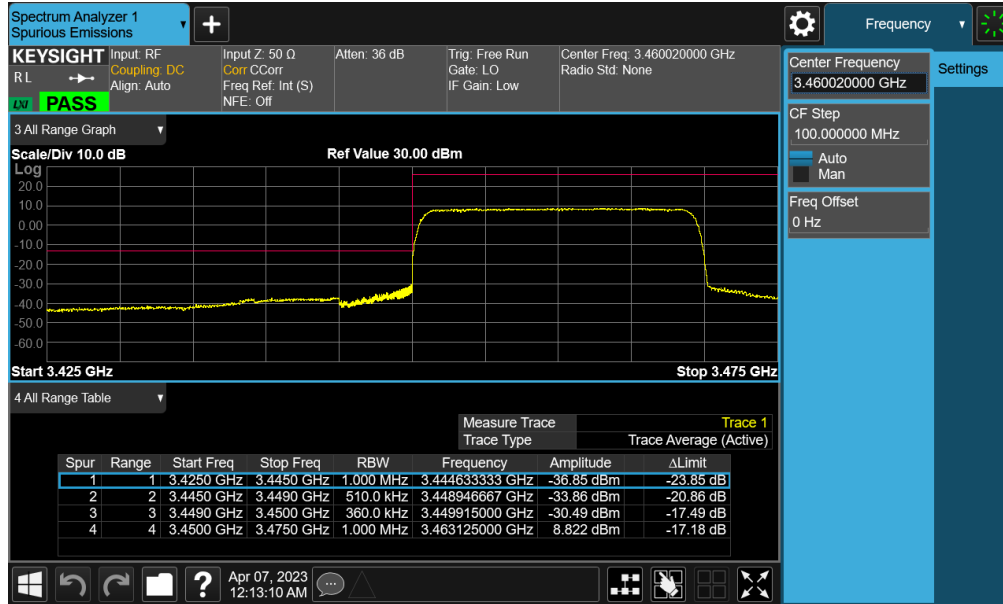


Plot 7-217. Lower ACP Plot (NR Band n77 PC2 (DoD) - 30MHz CP-OFDM-QPSK – Full RB - Main1)

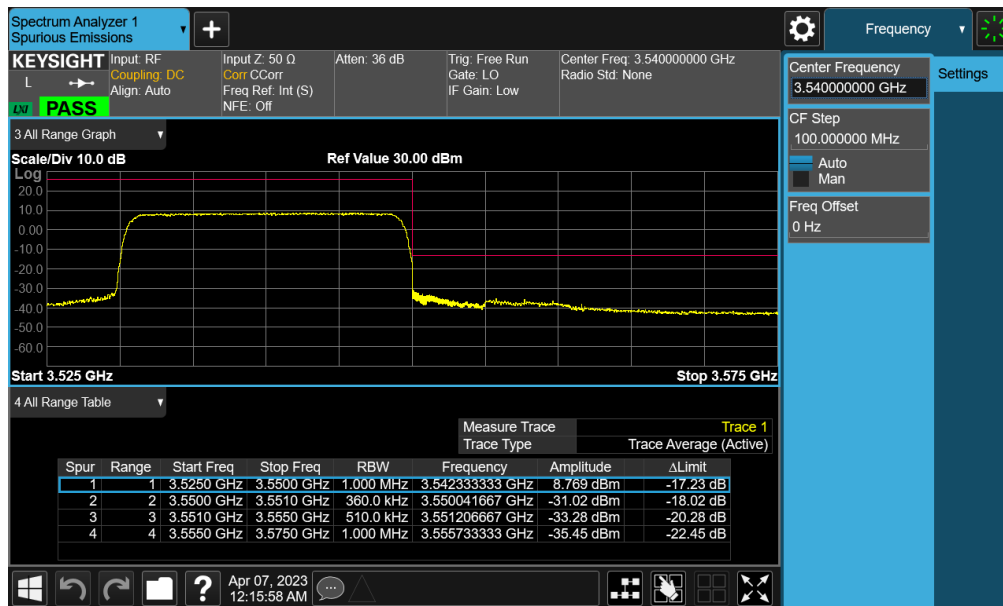


Plot 7-218. Upper ACP Plot (NR Band n77 PC2 (DoD) - 30MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-05-R1.PY7	Test Dates: 02/21/2023 - 4/12/2023	EUT Type: Portable Handset	Page 143 of 255



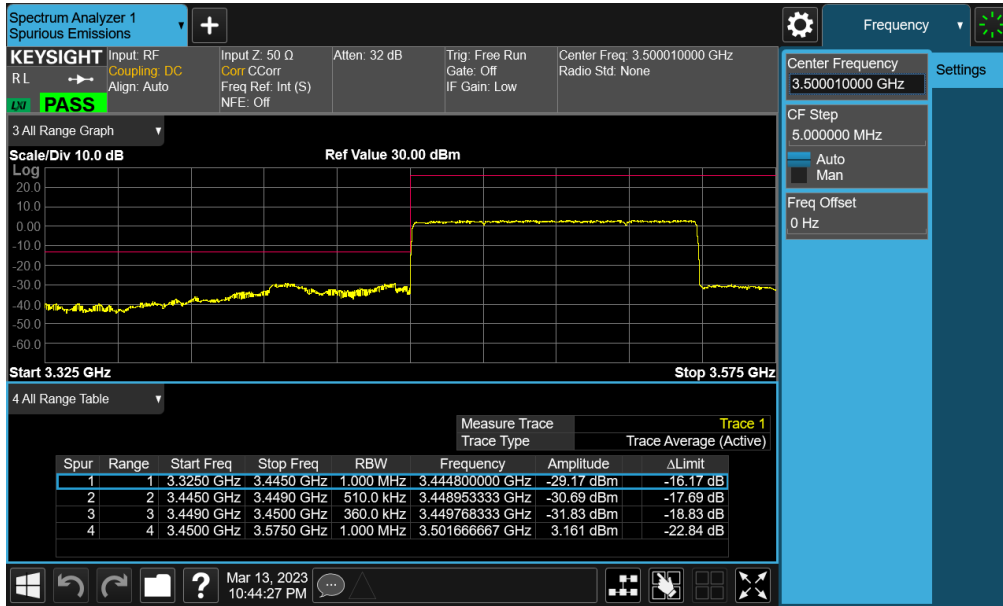
Plot 7-219. Lower ACP Plot (NR Band n77 PC2 (DoD) - 20MHz CP-OFDM-QPSK - Full RB - Main1)



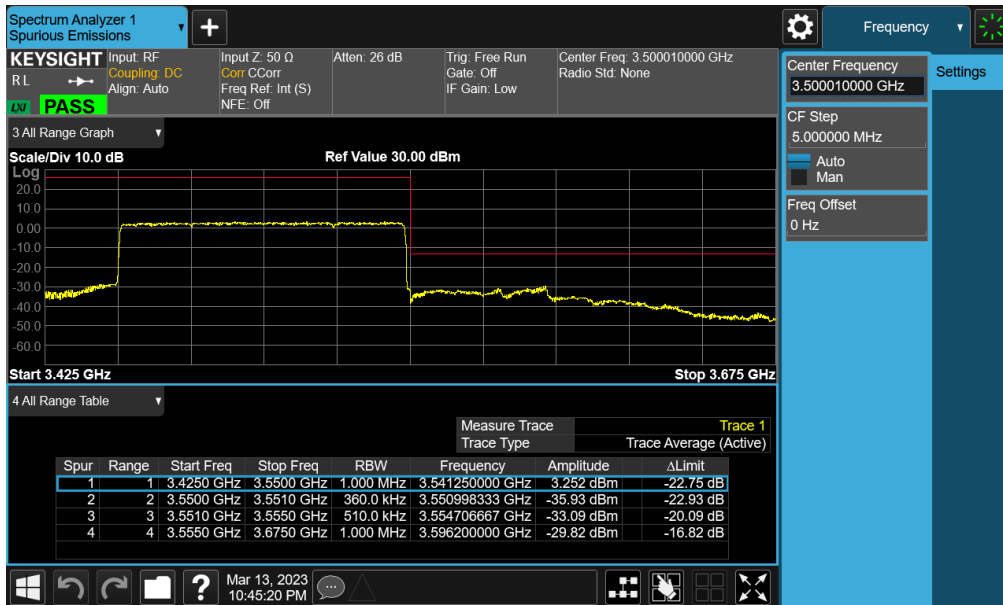
Plot 7-220. Upper ACP Plot (NR Band n77 PC2 (DoD) - 20MHz CP-OFDM-QPSK - Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC2 (DoD) – Sub-UHB

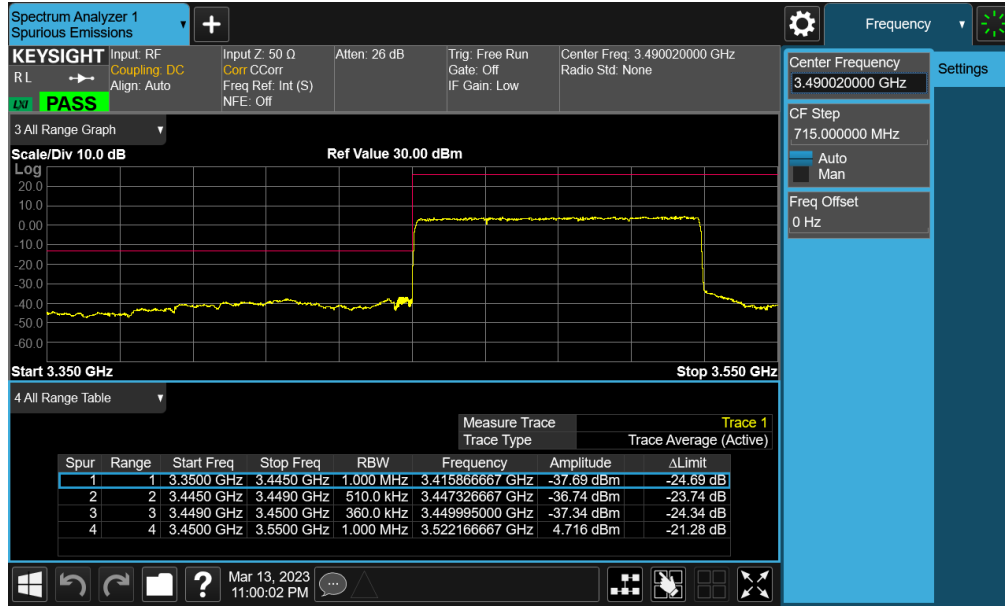


Plot 7-221. Lower ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB - Sub-UHB)

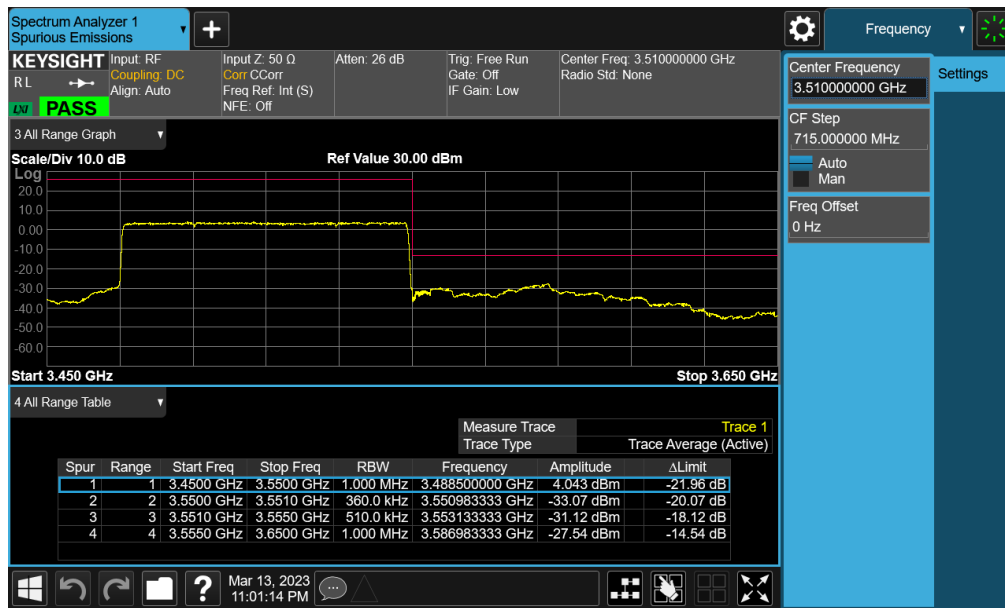


Plot 7-222. Upper ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB - Sub-UHB)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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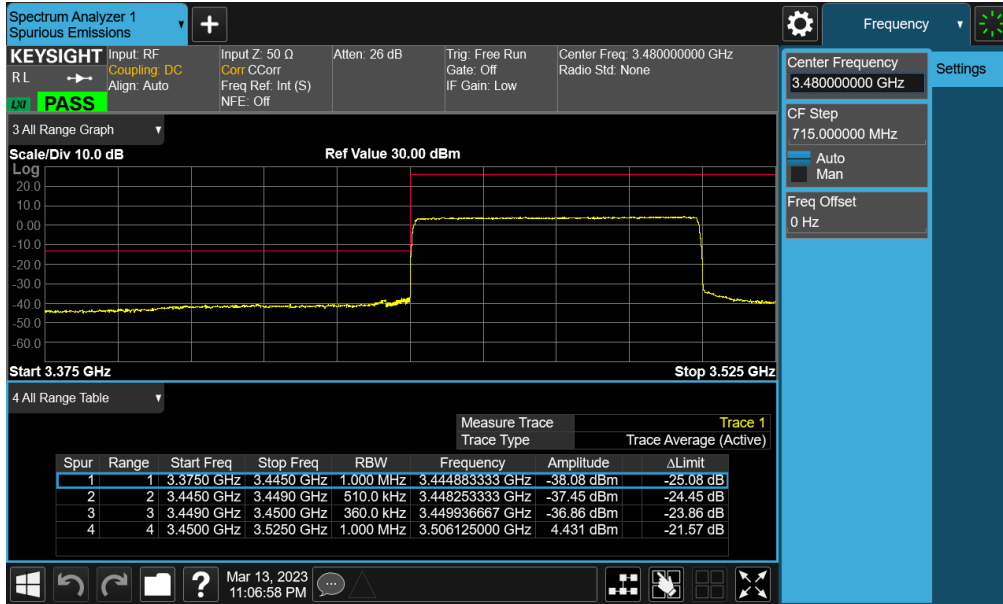


Plot 7-223. Lower ACP Plot (NR Band n77 PC2 (DoD) - 80MHz CP-OFDM-QPSK – Full RB - Sub-UHB

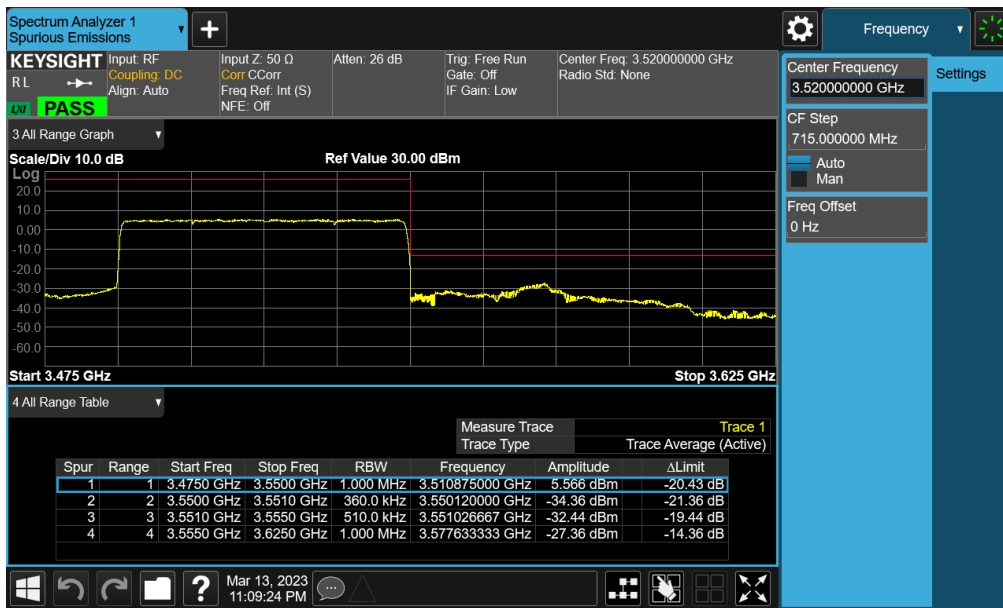


Plot 7-224. Upper ACP Plot (NR Band n77 PC2 (DoD) - 80MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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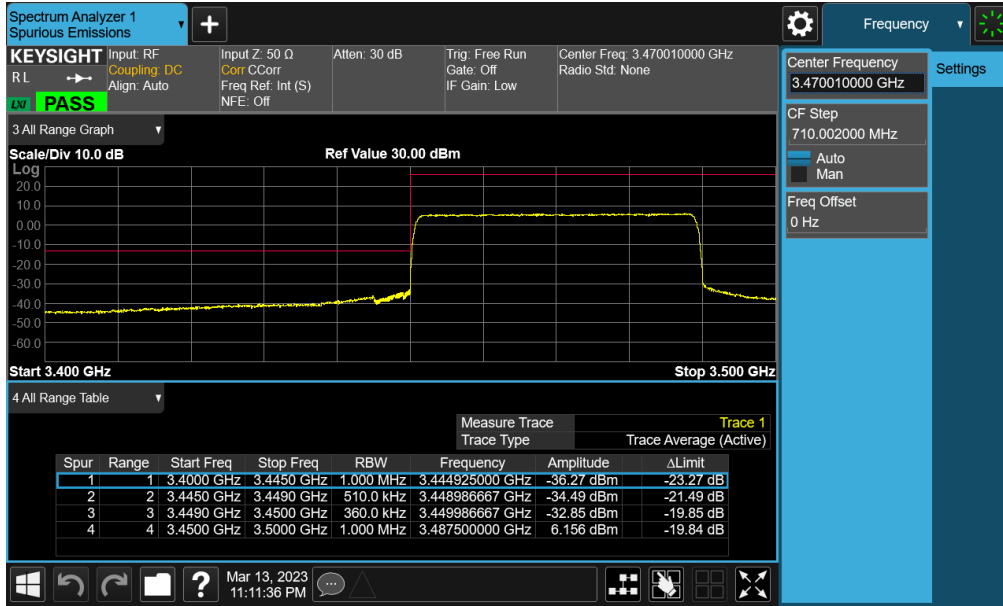


Plot 7-225. Lower ACP Plot (NR Band n77 PC2 (DoD) - 60MHz CP-OFDM-QPSK – Full RB - Sub-UHB

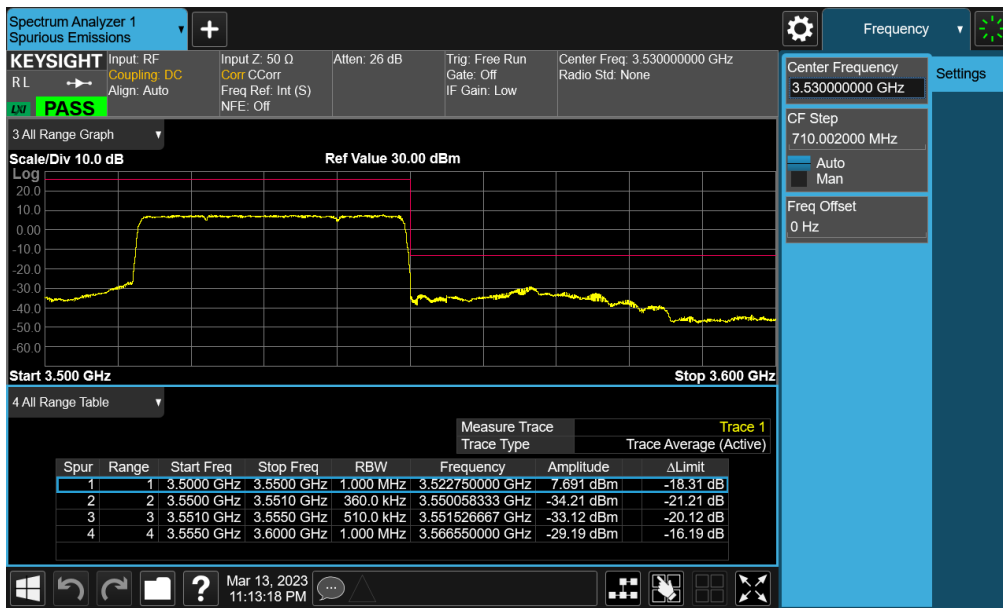


Plot 7-226. Upper ACP Plot (NR Band n77 PC2 (DoD) - 60MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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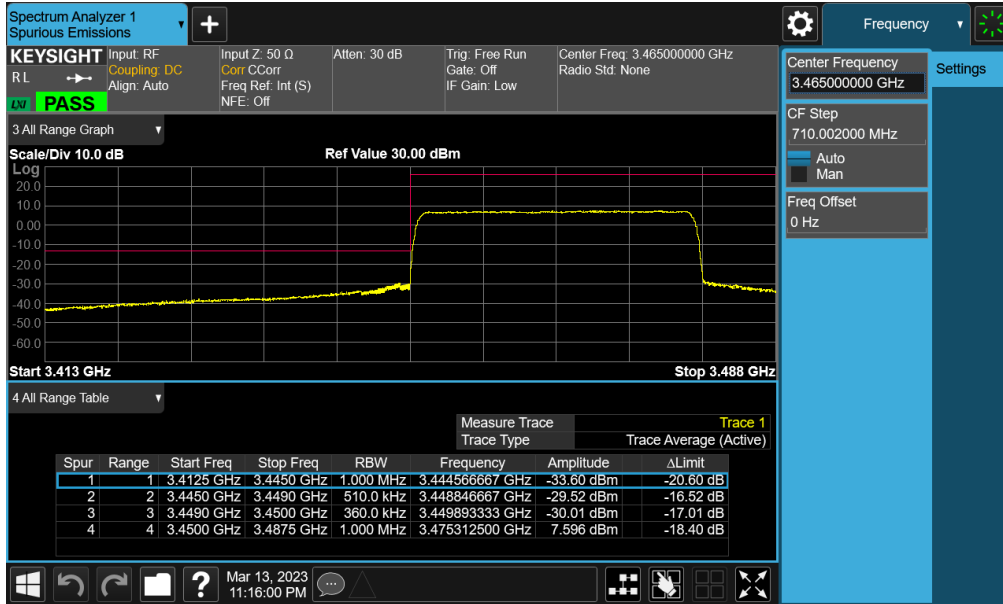


Plot 7-227. Lower ACP Plot (NR Band n77 PC2 (DoD) - 40MHz CP-OFDM-QPSK – Full RB - Sub-UHB

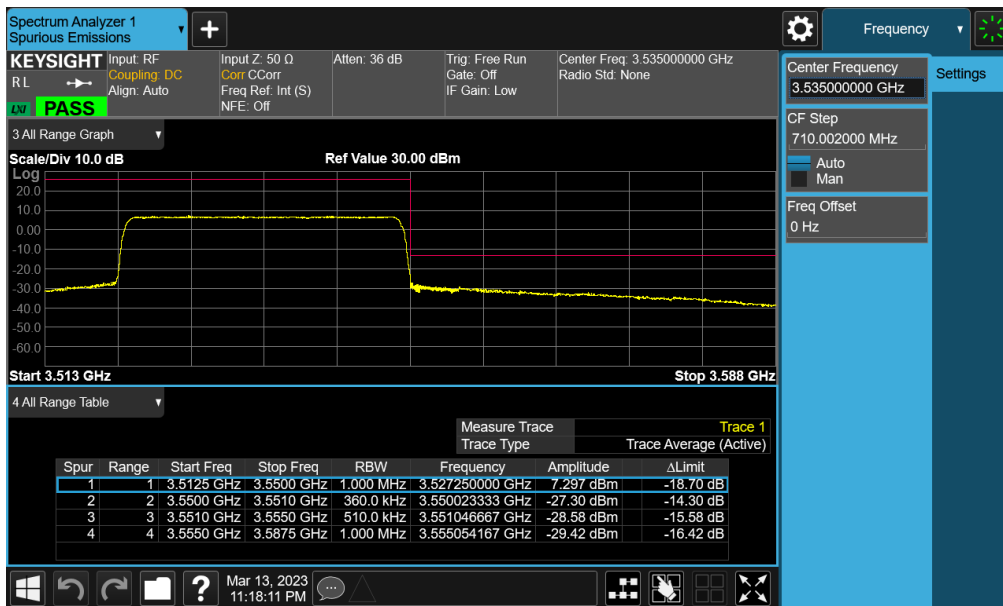


Plot 7-228. Upper ACP Plot (NR Band n77 PC2 (DoD) - 40MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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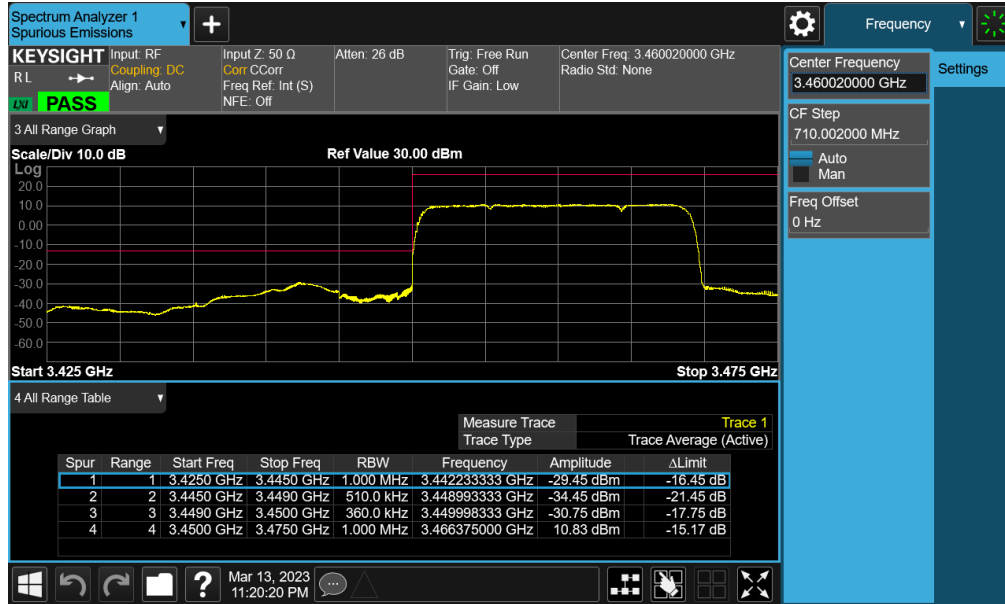


Plot 7-229. Lower ACP Plot (NR Band n77 PC2 (DoD) - 30MHz CP-OFDM-QPSK – Full RB - Sub-UHB

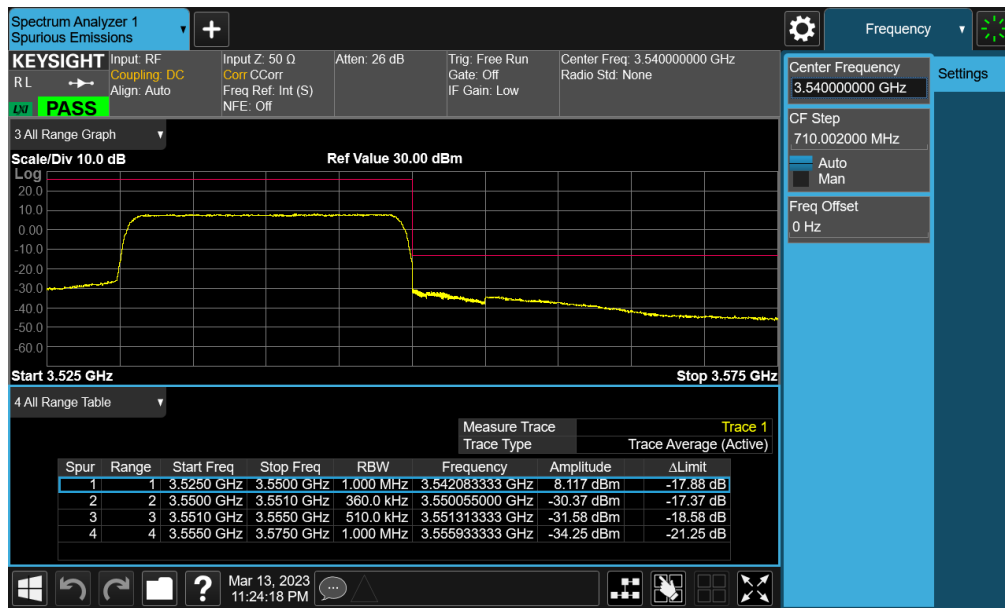


Plot 7-230. Upper ACP Plot (NR Band n77 PC2 (DoD) - 30MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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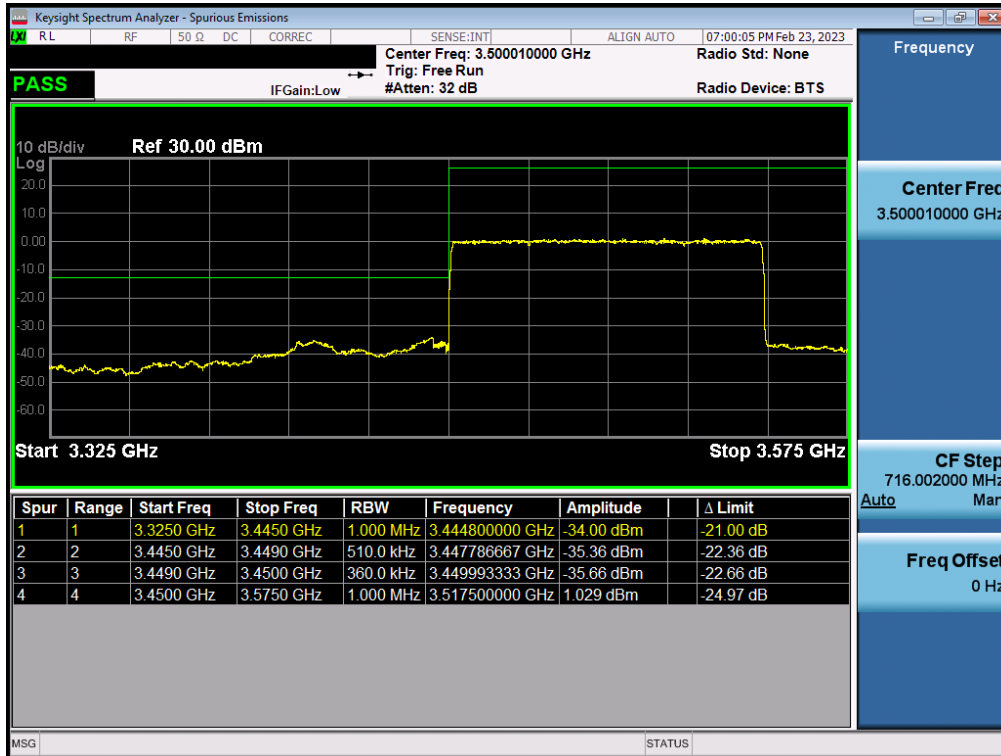
Plot 7-231. Lower ACP Plot (NR Band n77 PC2 (DoD) - 20MHz CP-OFDM-QPSK – Full RB - Sub-UHB



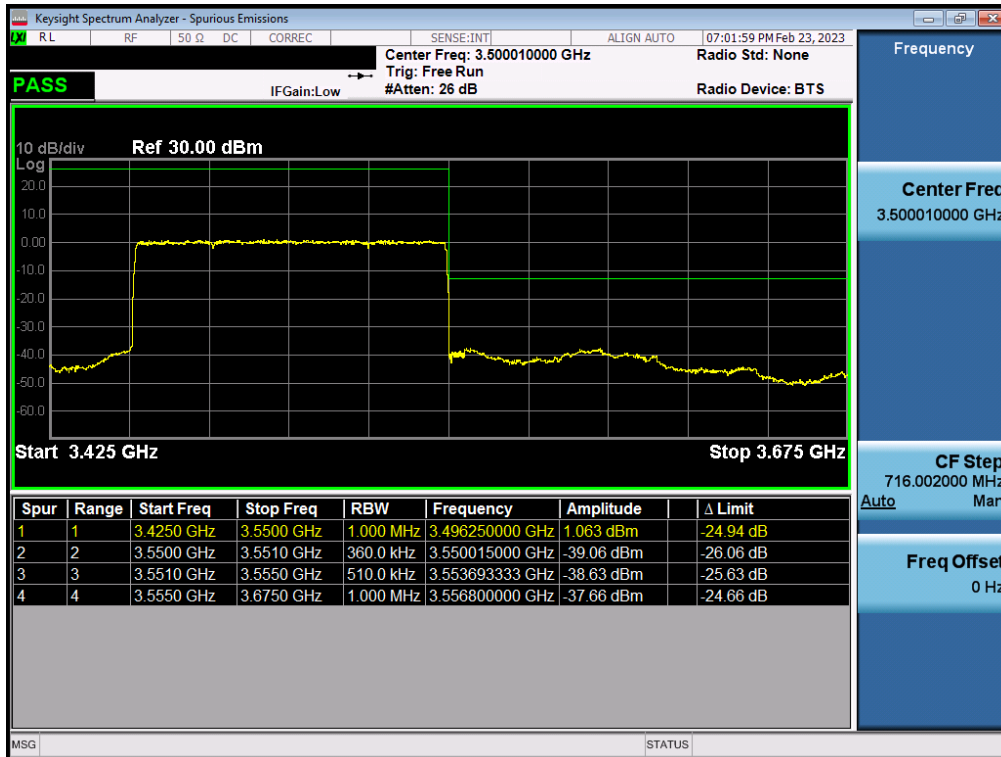
Plot 7-232. Upper ACP Plot (NR Band n77 PC2 (DoD) - 20MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R)



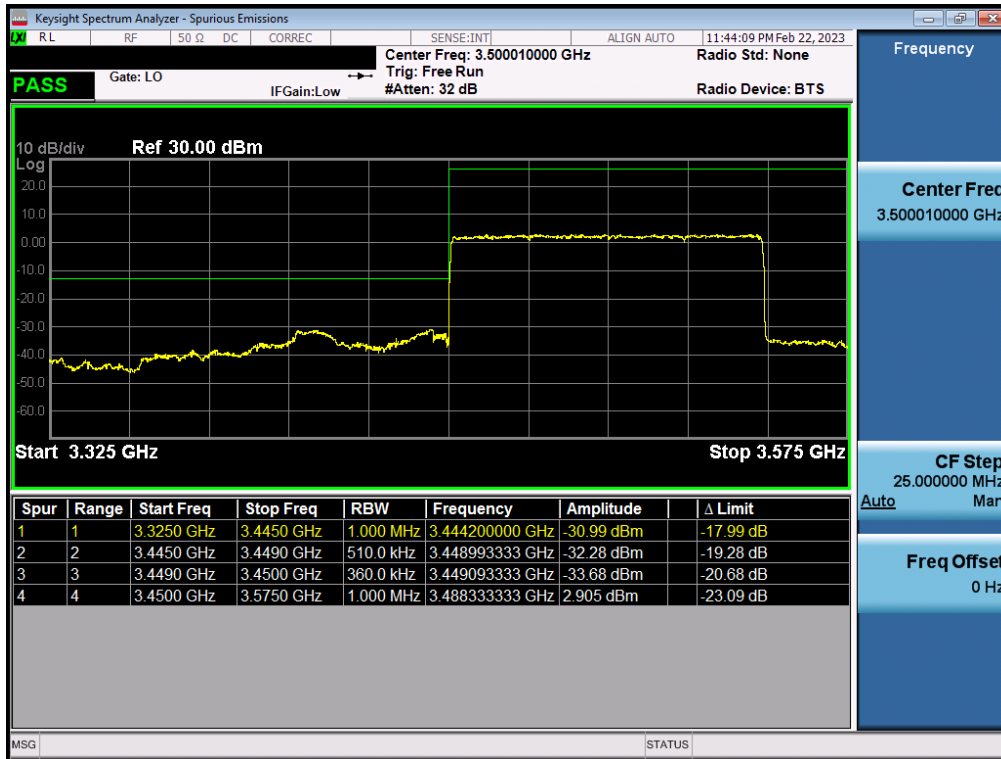
Plot 7-233. Lower ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – 3rd-LMHB (SRS 1T4R))



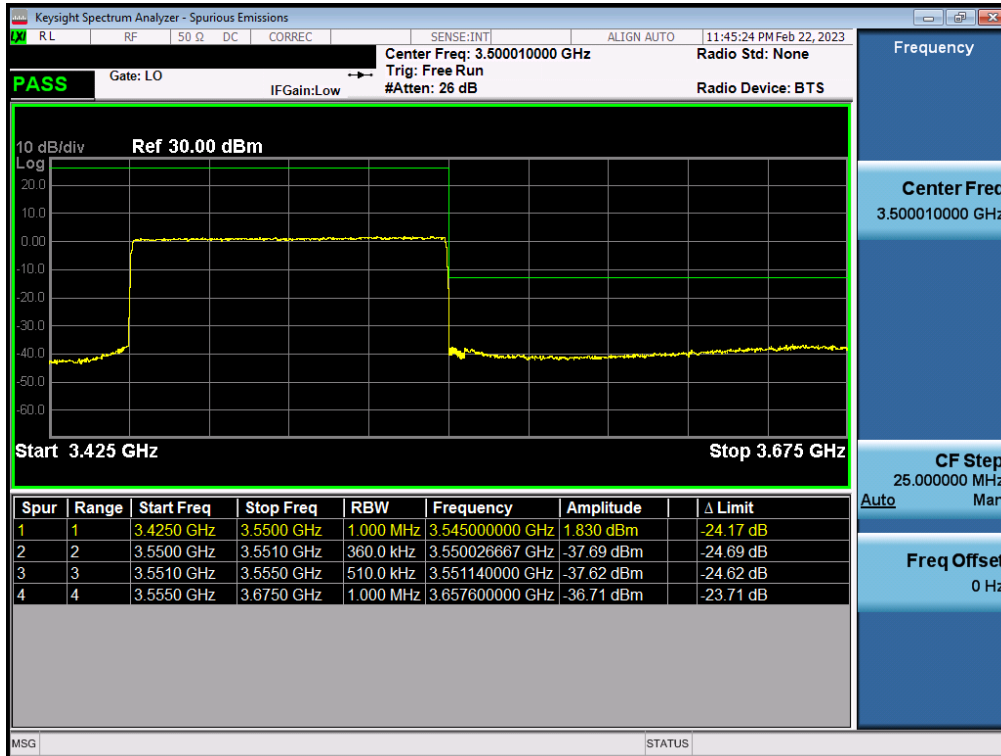
Plot 7-234. Upper ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – 3rd-LMHB (SRS 1T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 (DoD) – 4th-MHB (SRS 1T4R)



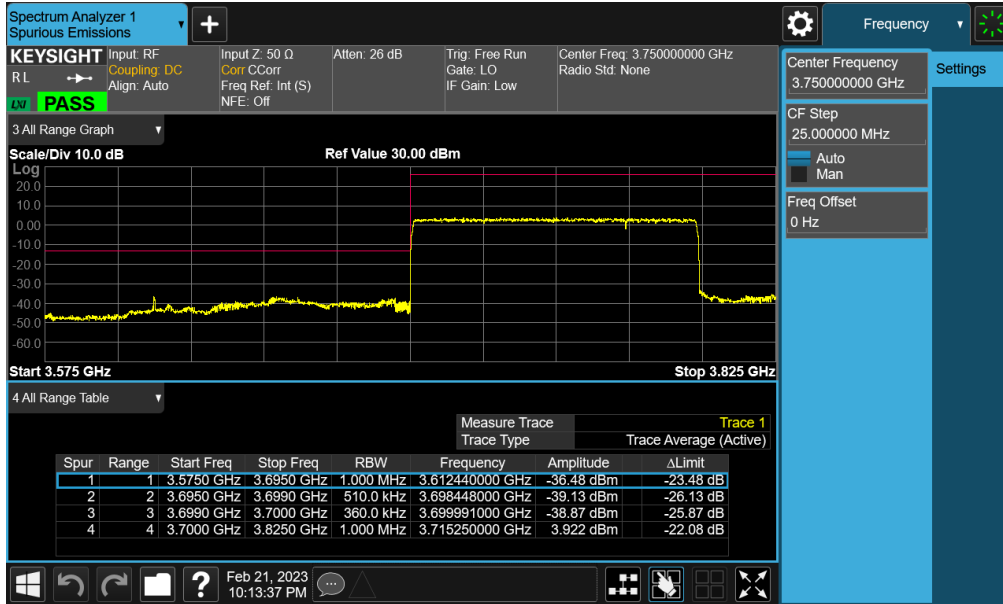
Plot 7-235. Lower ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 1T4R))



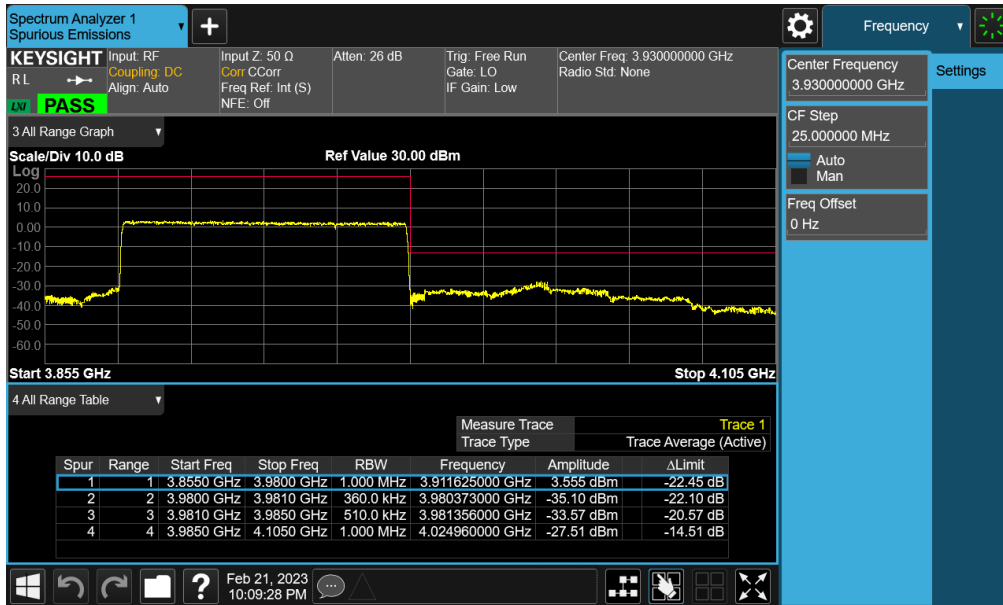
Plot 7-236. Upper ACP Plot (NR Band n77 PC2 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 1T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC2 (C-band) – Main1

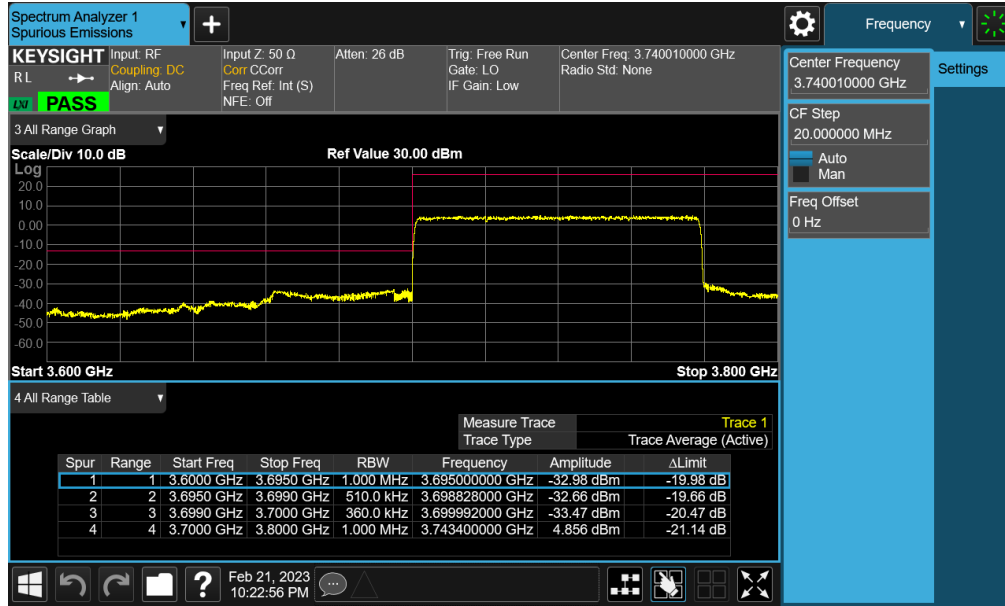


Plot 7-237. Lower ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB - Main1)

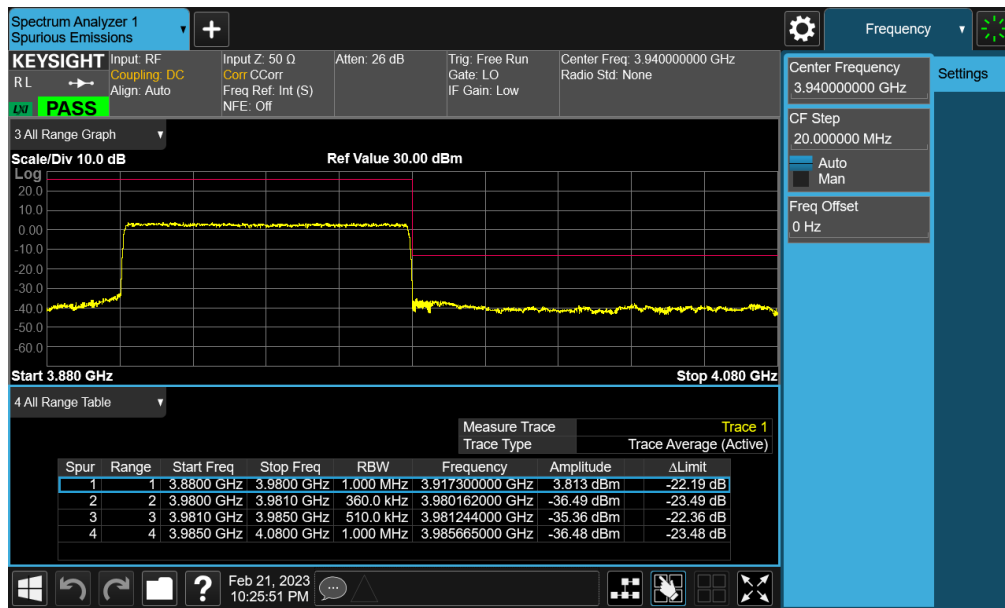


Plot 7-238. Upper ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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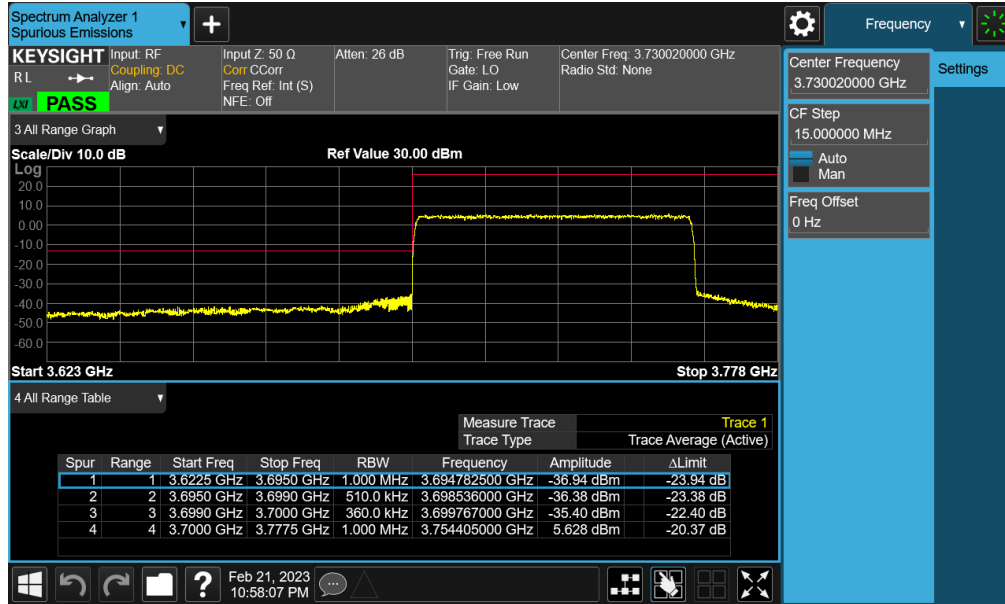


Plot 7-239. Lower ACP Plot (NR Band n77 PC2 (C-band) - 80MHz CP-OFDM-QPSK - Full RB - Main1)

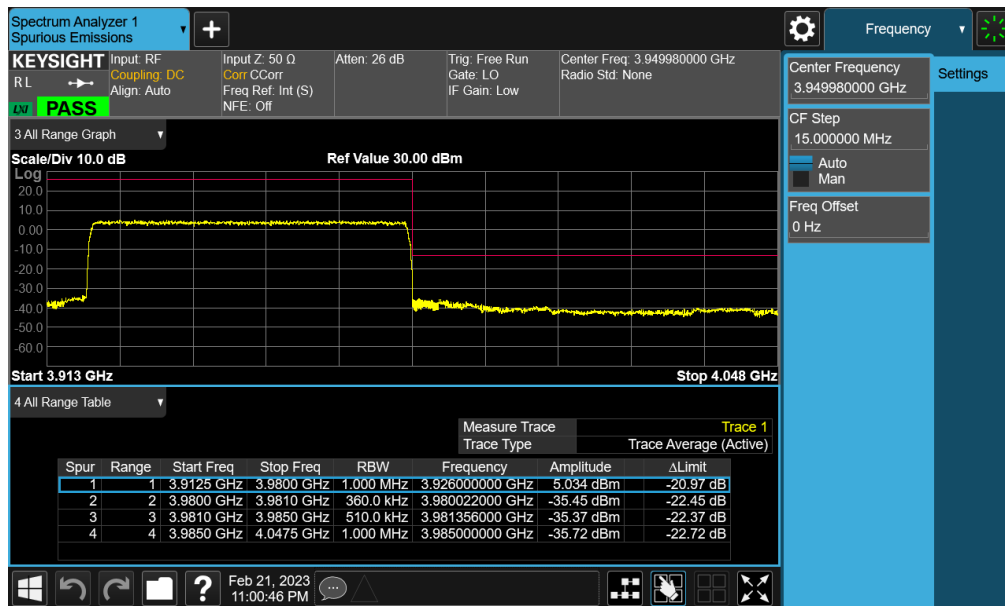


Plot 7-240. Upper ACP Plot (NR Band n77 PC2 (C-band) - 80MHz CP-OFDM-QPSK - Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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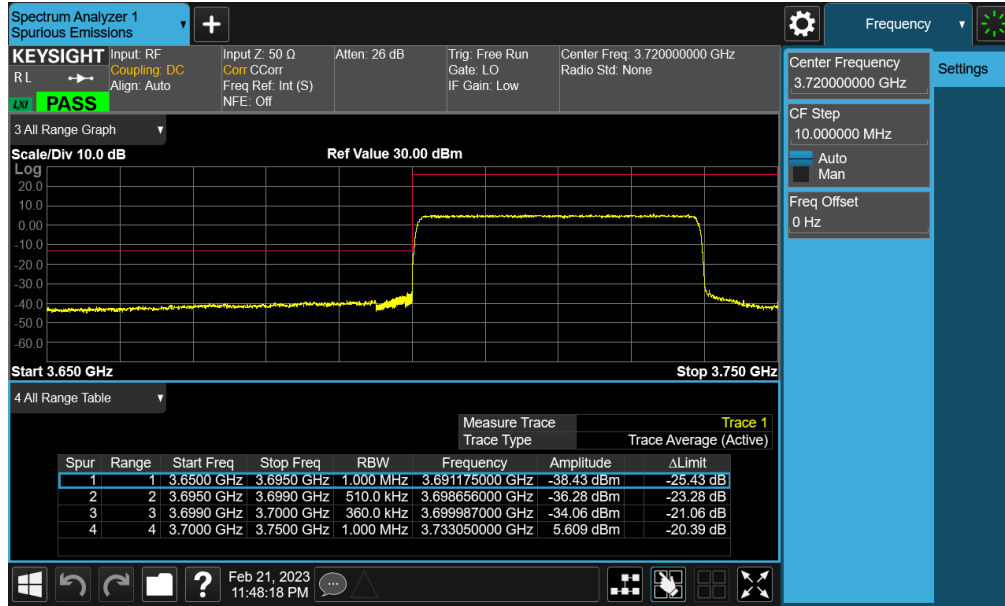


Plot 7-241. Lower ACP Plot (NR Band n77 PC2 (C-band) - 60MHz CP-OFDM-QPSK – Full RB - Main10

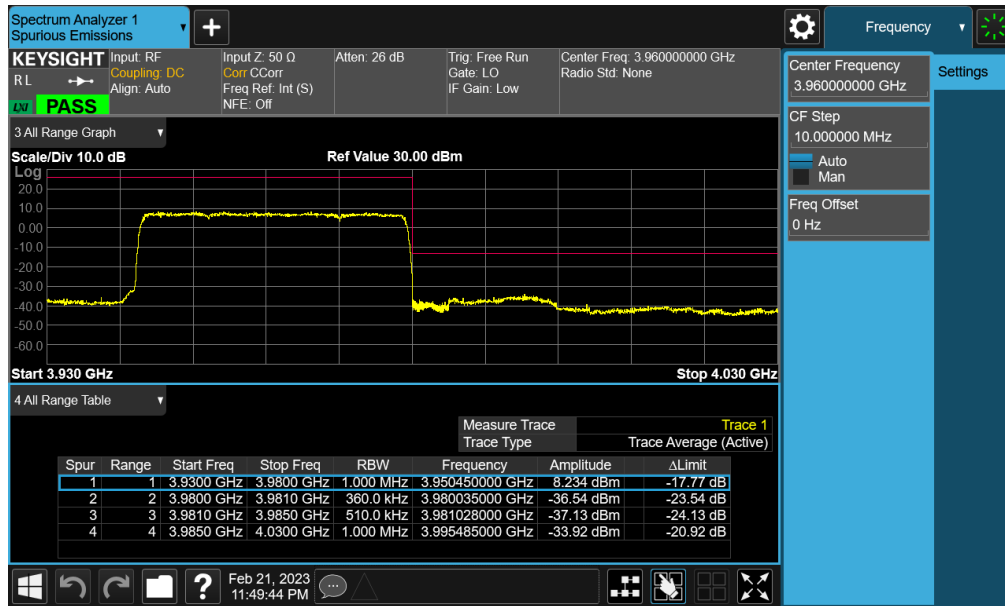


Plot 7-242. Upper ACP Plot (NR Band n77 PC2 (C-band) - 60MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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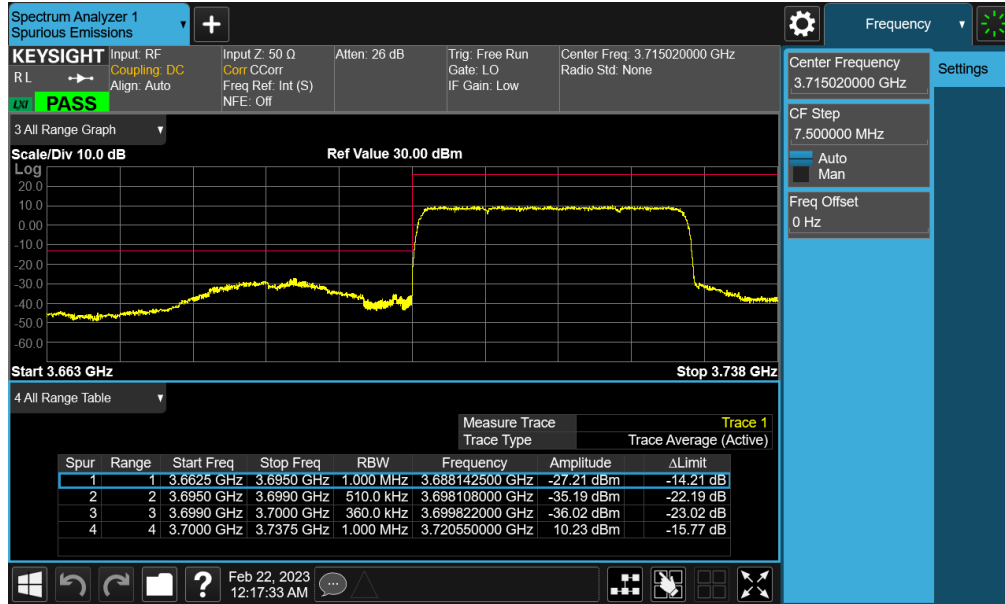


Plot 7-243. Lower ACP Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM-QPSK – Full RB - Main1)

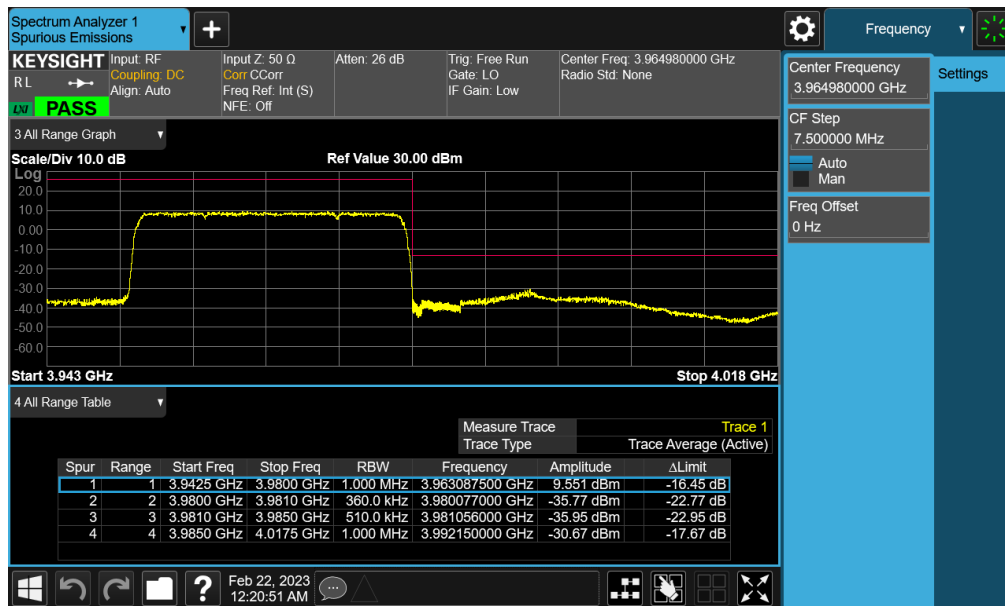


Plot 7-244. Upper ACP Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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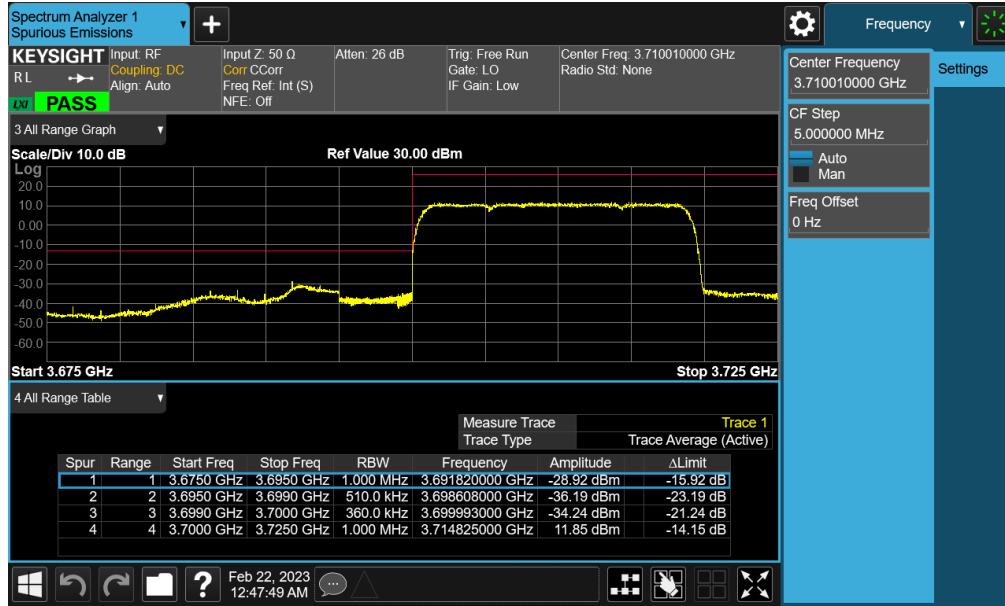


Plot 7-245. Lower ACP Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM-QPSK – Full RB - Main1)

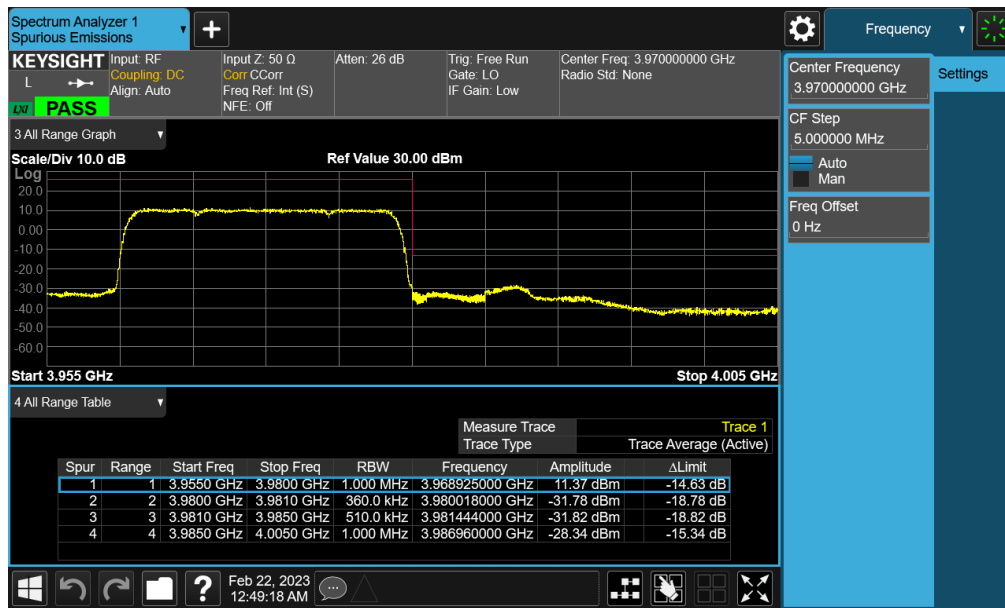


Plot 7-246. Upper ACP Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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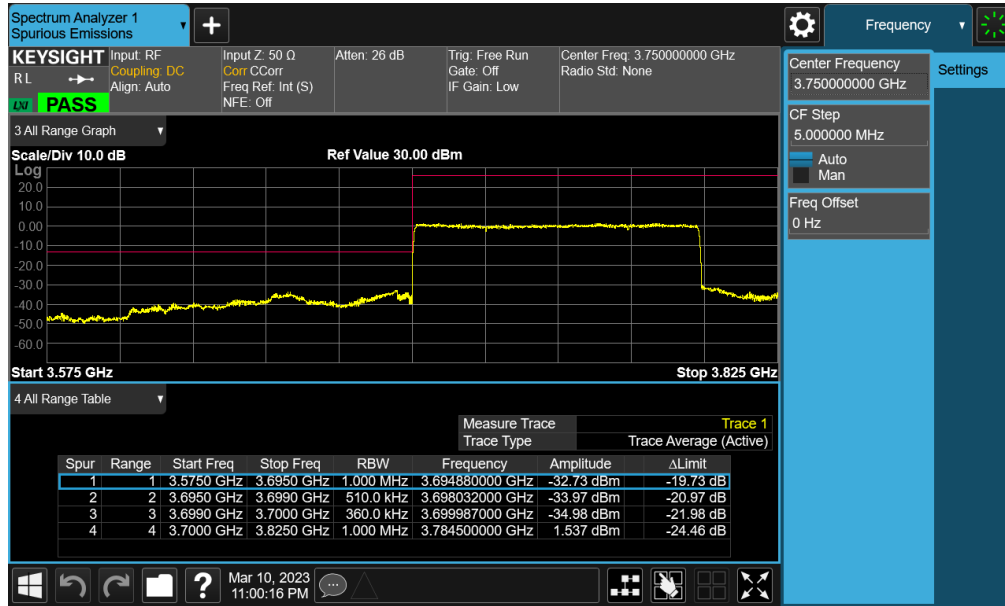
Plot 7-247. Lower ACP Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM-QPSK – Full RB - Main1)



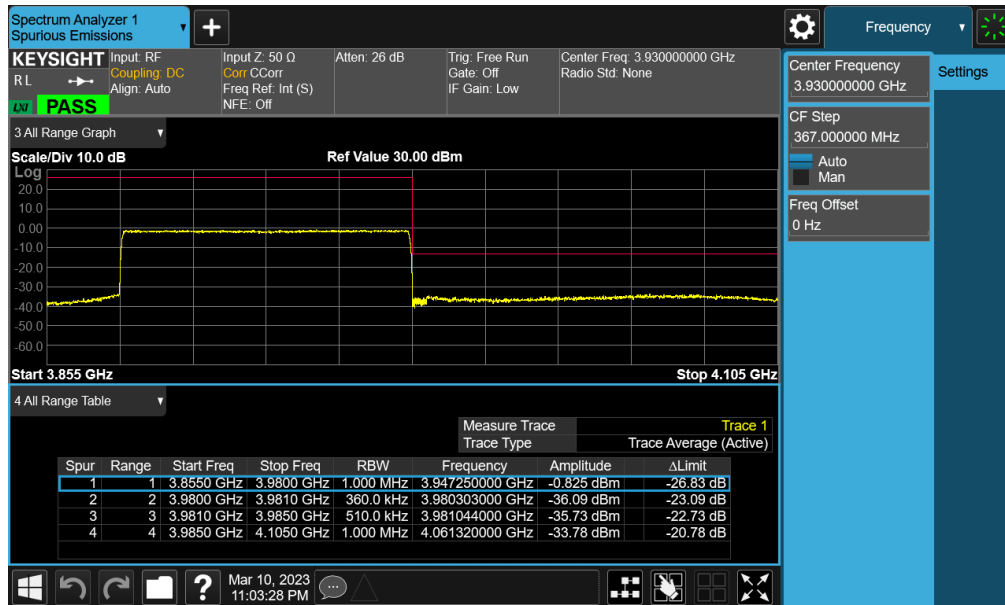
Plot 7-248. Upper ACP Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM-QPSK – Full RB - Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 PC2 (C-band) – Sub-UHB

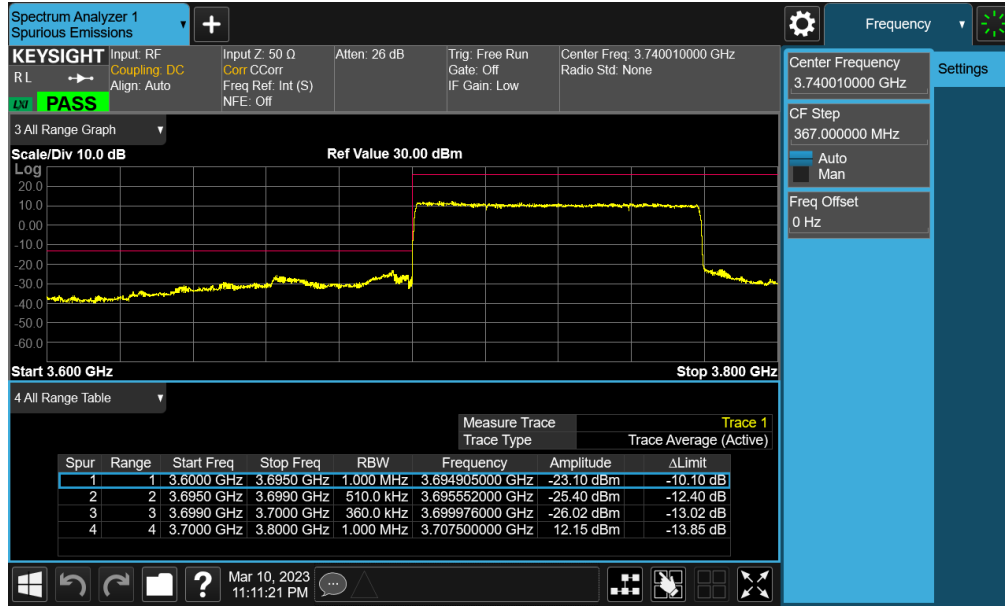


Plot 7-249. Lower ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB - Sub-UHB)

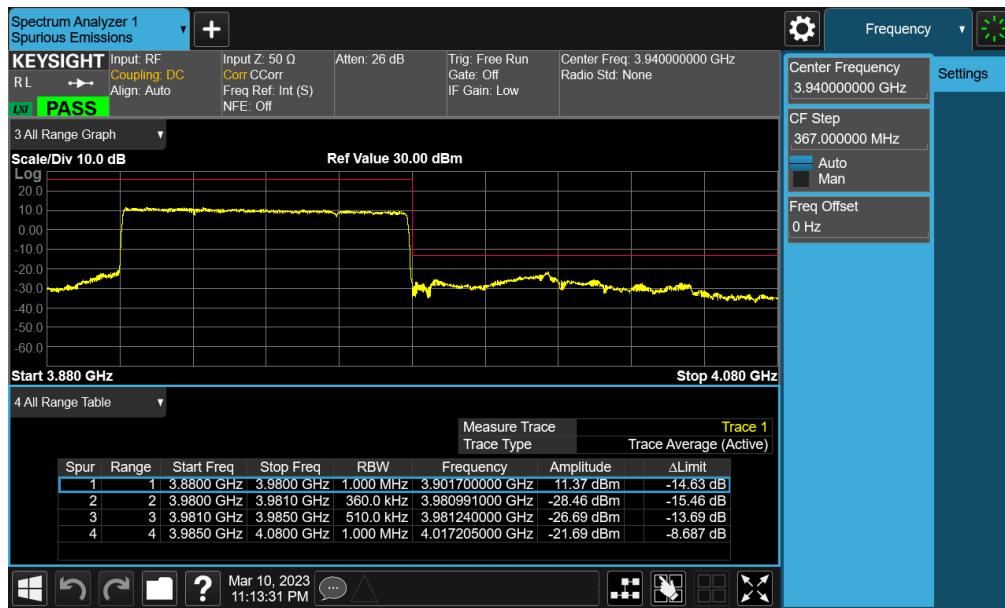


Plot 7-250. Upper ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB - Sub-UHB)

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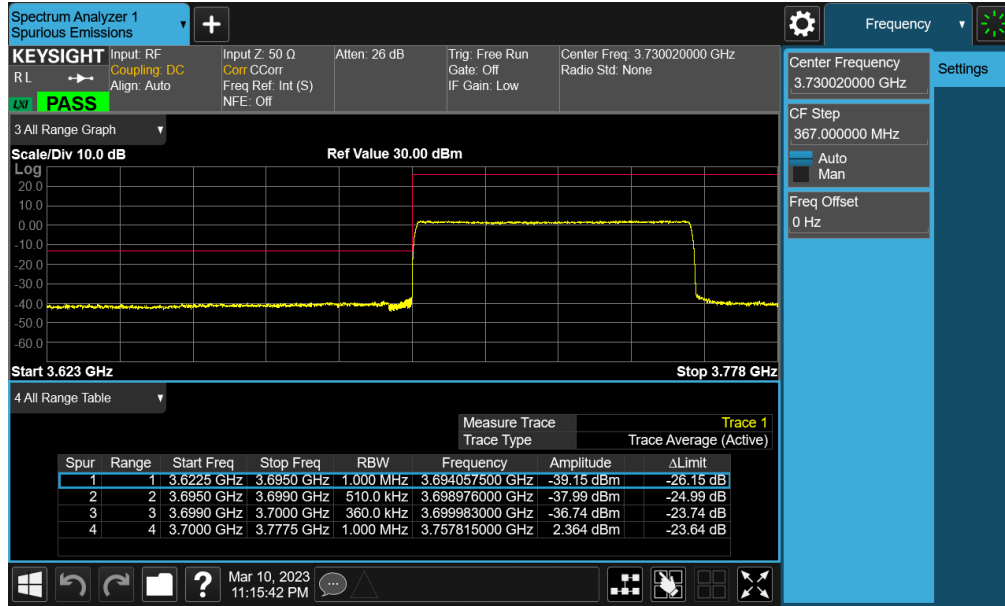


Plot 7-251. Lower ACP Plot (NR Band n77 PC2 (C-band) - 80MHz CP-OFDM-QPSK – Full RB - Sub-UHB

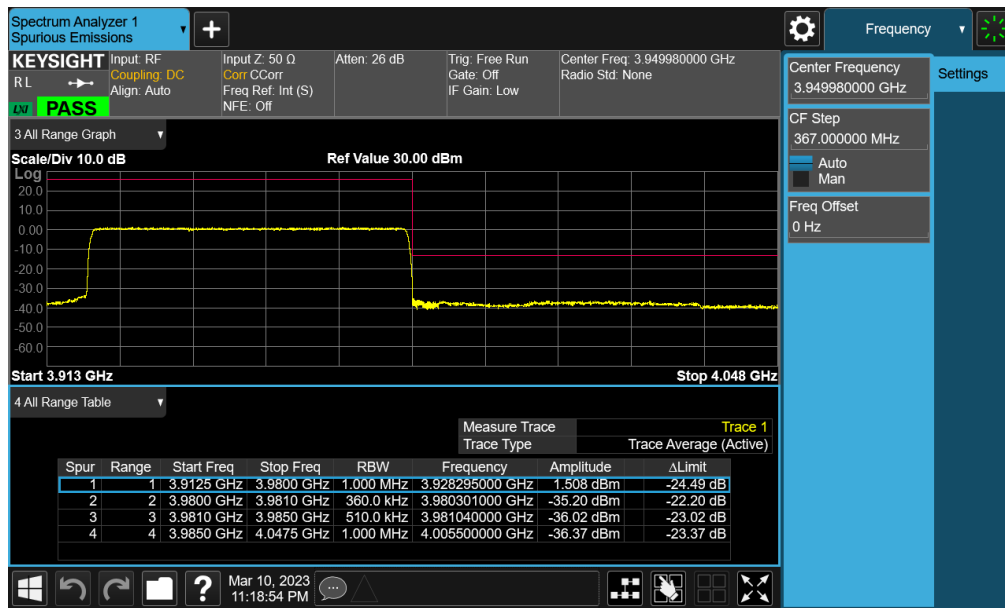


Plot 7-252. Upper ACP Plot (NR Band n77 PC2 (C-band) - 80MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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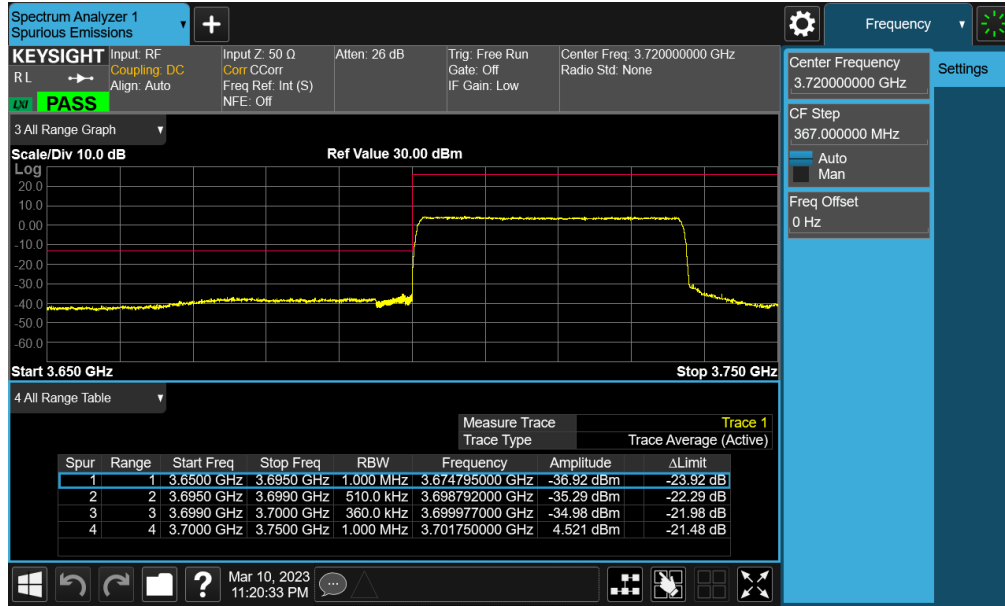


Plot 7-253. Lower ACP Plot (NR Band n77 PC2 (C-band) - 60MHz CP-OFDM-QPSK – Full RB - Sub-UHB

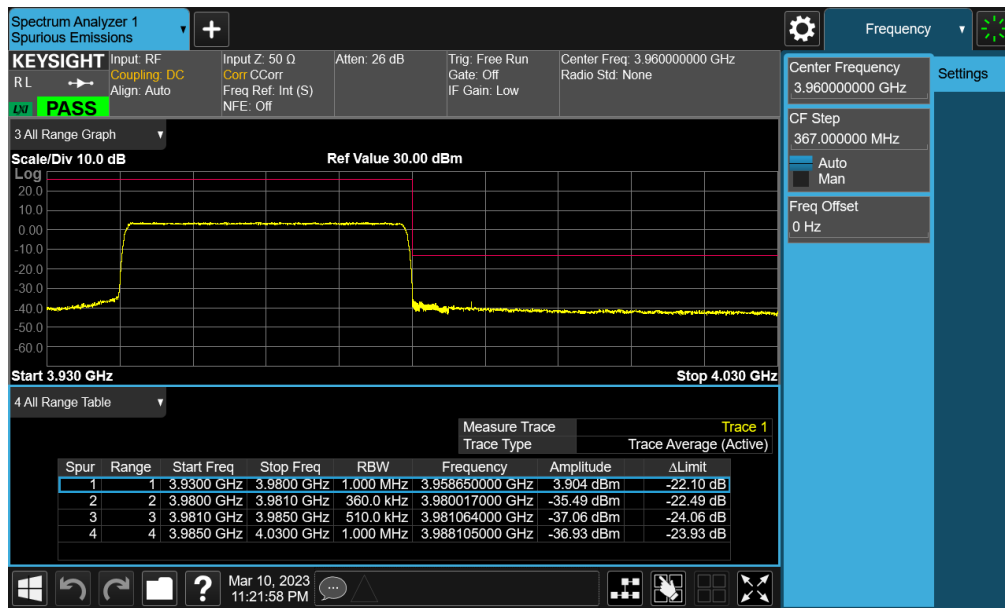


Plot 7-254. Upper ACP Plot (NR Band n77 PC2 (C-band) - 60MHz CP-OFDM-QPSK – Full RB - Sub-UHB

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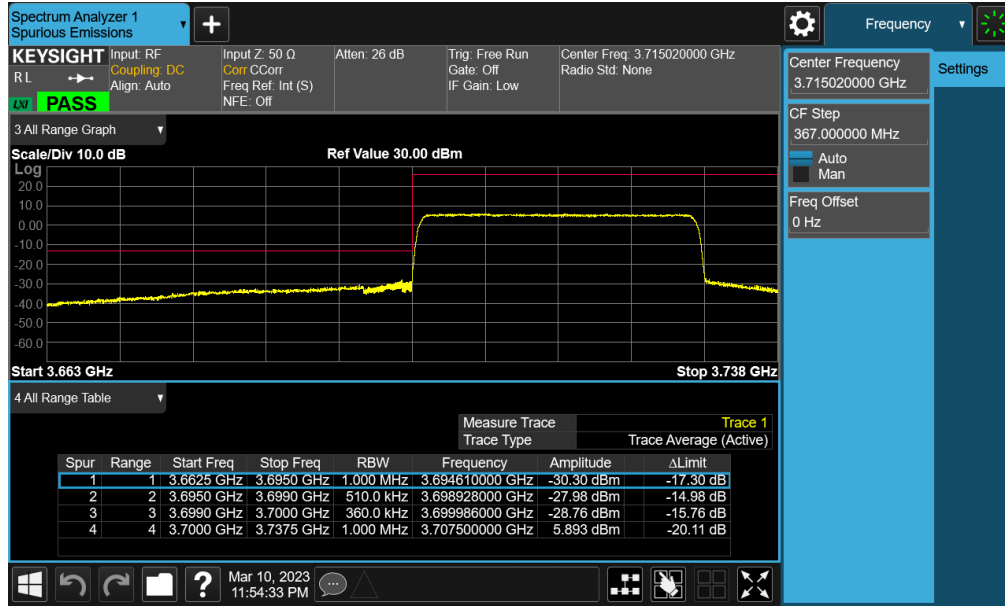


Plot 7-255. Lower ACP Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM-QPSK – Full RB - Sub-UHB

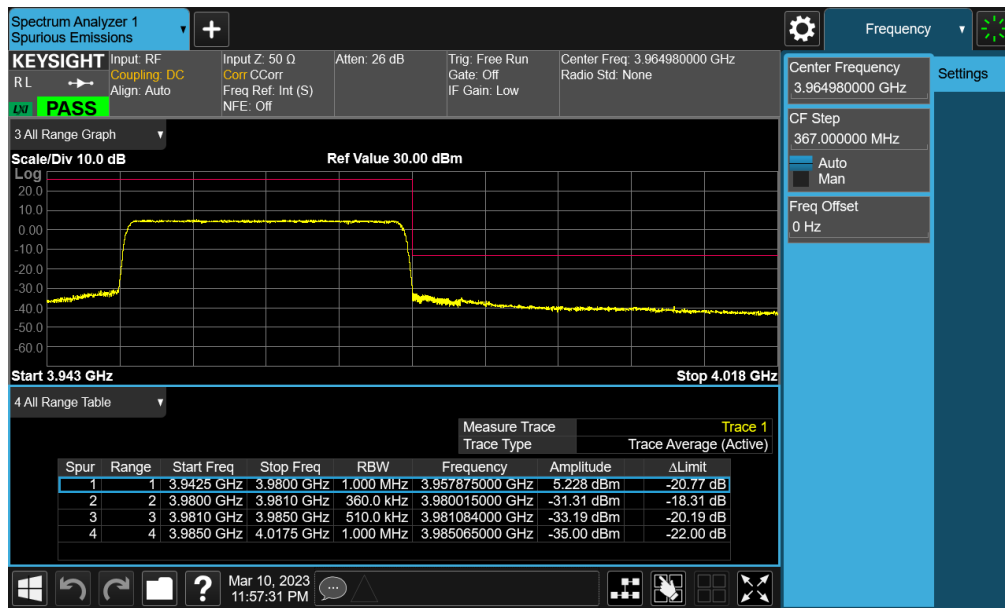


Plot 7-256. Upper ACP Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM-QPSK – Full RB - Sub-UHB

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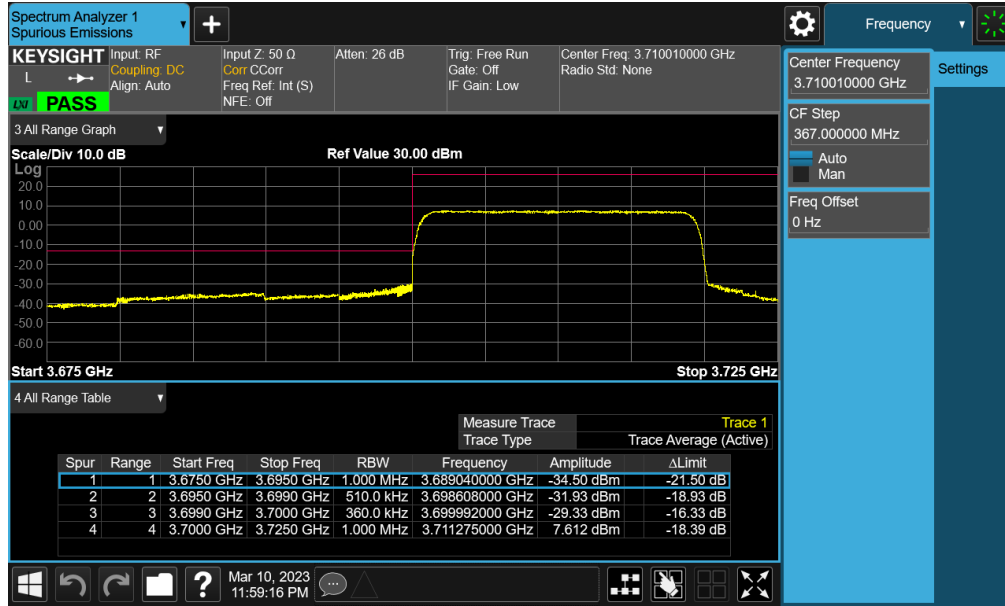


Plot 7-257. Lower ACP Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM-QPSK – Full RB - Sub-UHB

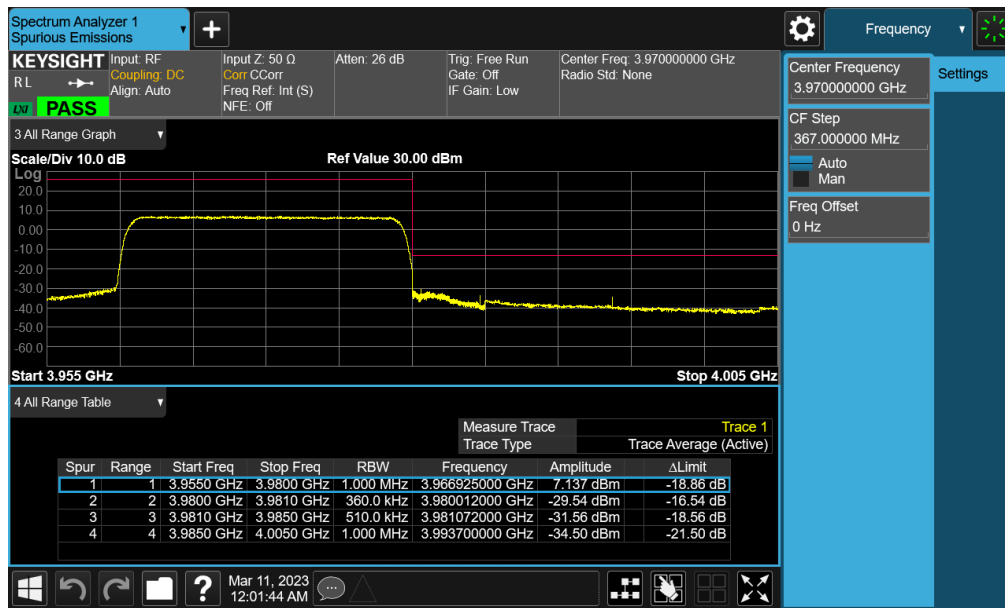


Plot 7-258. Upper ACP Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM-QPSK – Full RB - Sub-UHB

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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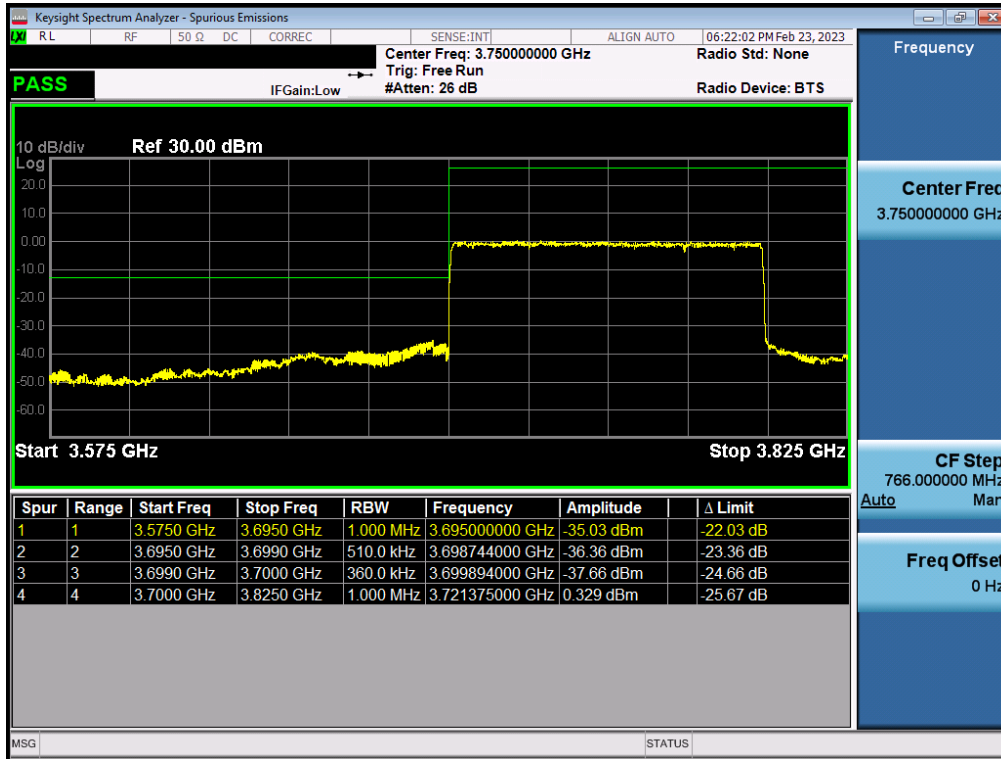
Plot 7-259. Lower ACP Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM-QPSK – Full RB - Sub-UHB



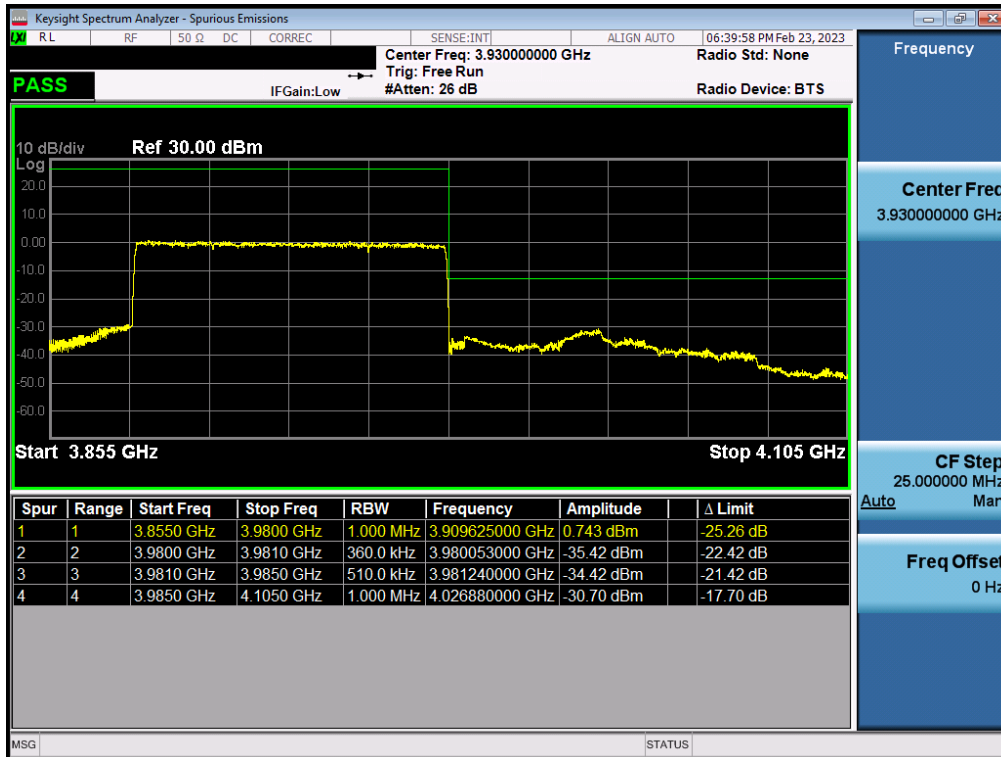
Plot 7-260. Upper ACP Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM-QPSK – Full RB - Sub-UHB

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NR Band n77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R)



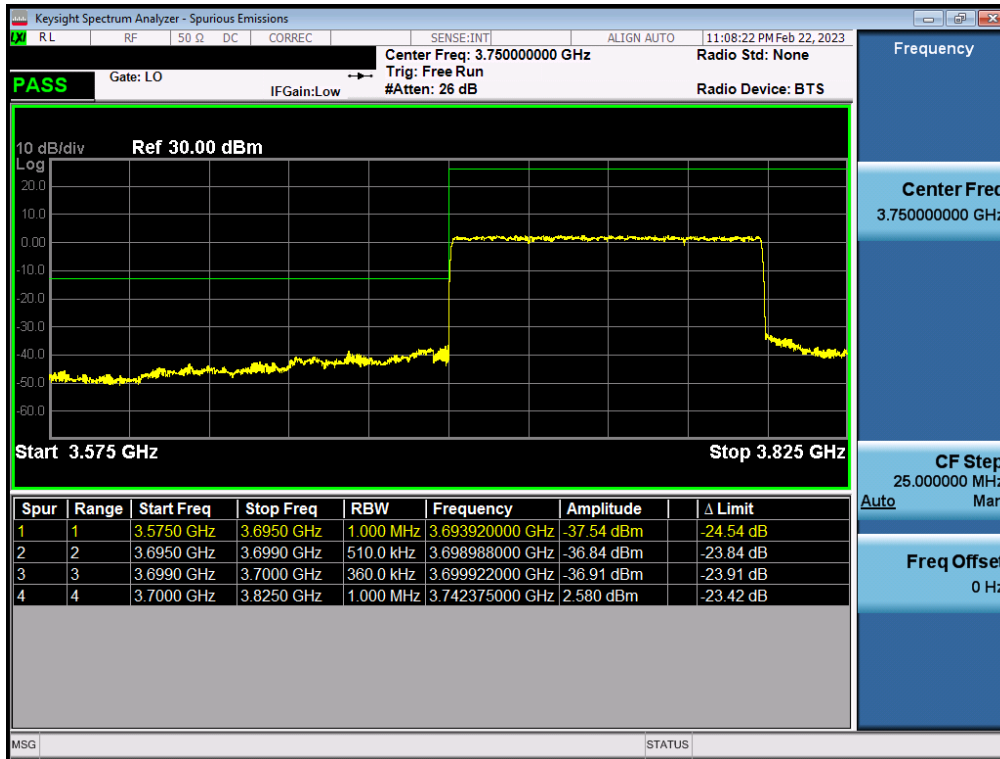
Plot 7-261. Lower ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 3rd-LMHB (SRS 1T4R))



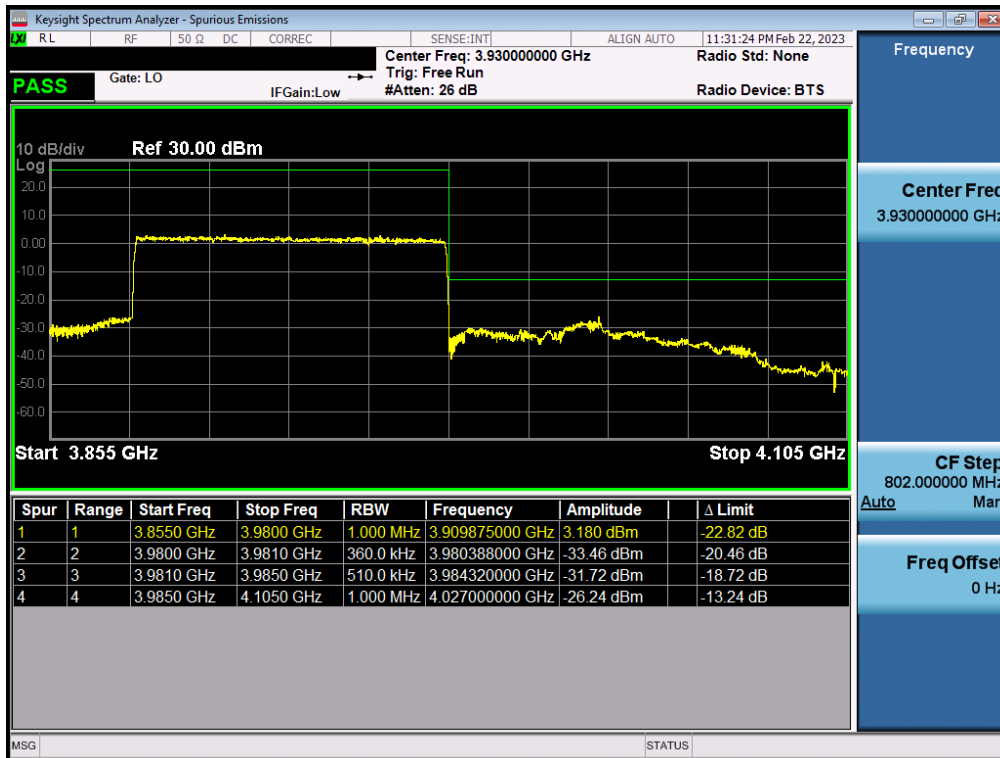
Plot 7-262. Upper ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB - 3rd-LMHB (SRS 1T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 (C-band) – 4th-MHB (SRS 1T4R)



Plot 7-263. Lower ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 1T4R))



Plot 7-264. Upper ACP Plot (NR Band n77 PC2 (C-band) - 100MHz CP-OFDM-QPSK – Full RB – 4th-MHB (SRS 1T4R))

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7.6 Peak Average Ratio

Test Overview

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 each bandwidth. The CCDF curve shows how much time the peak waveform spends at, or above, a given average power level. The percentage of time the signal spends at or above the level defines the probability for that power level.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer’s CCDF measurement profile is enabled.
2. Frequency = carrier center frequency
3. Measurement BW \geq 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.

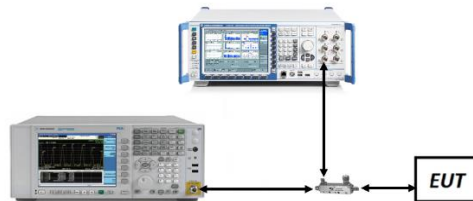


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

None.

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