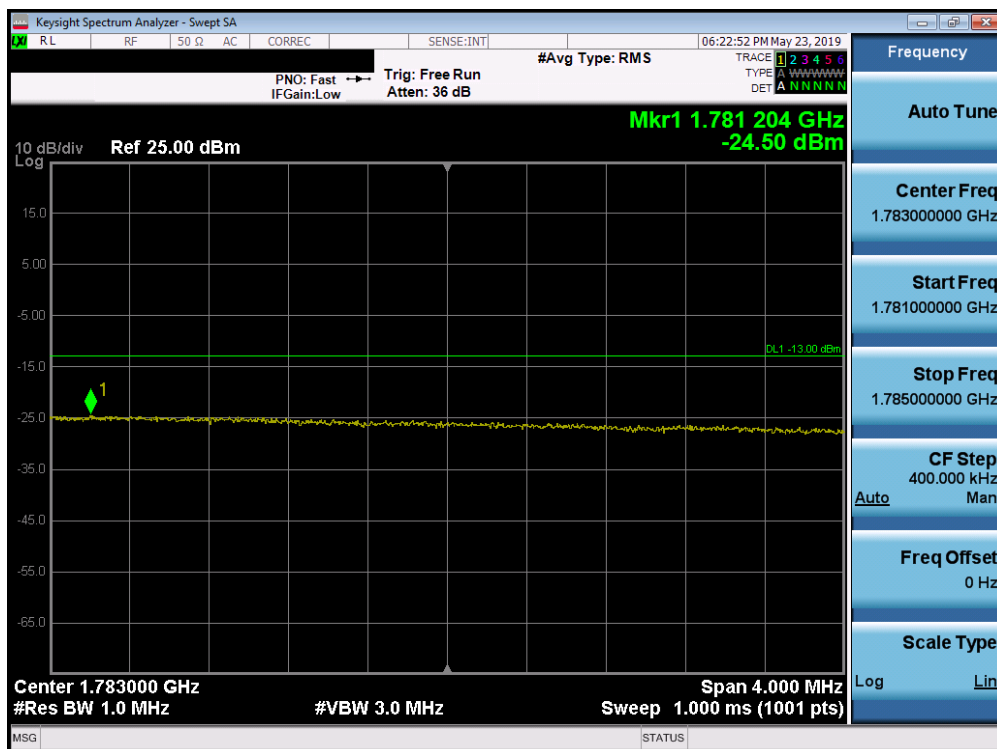
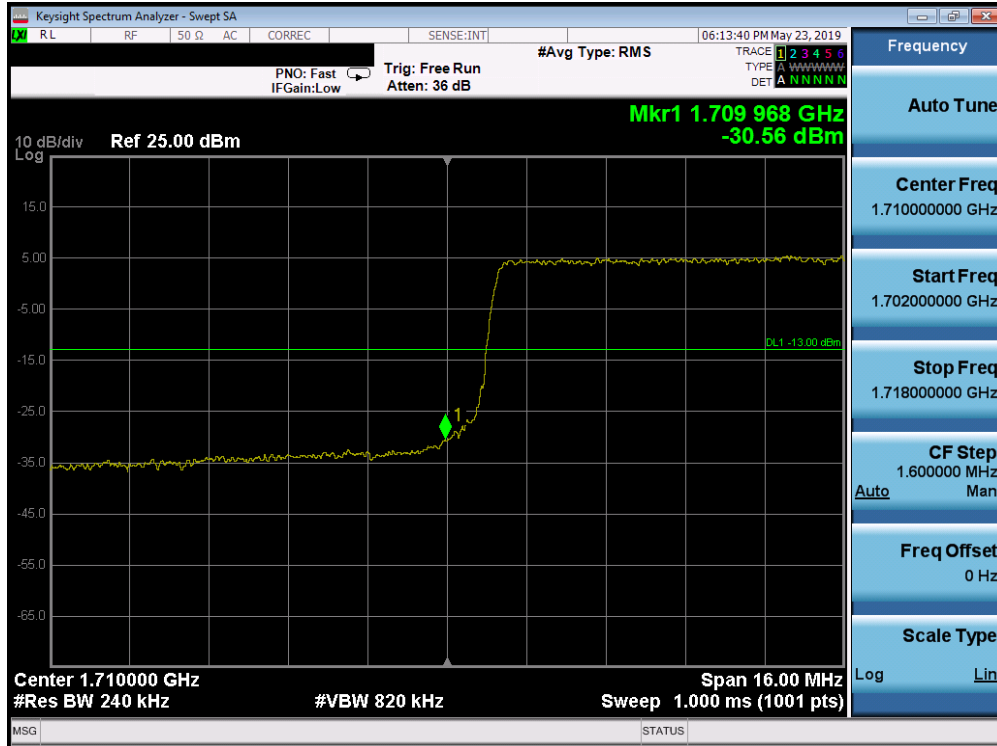


Plot 7-307. Upper Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

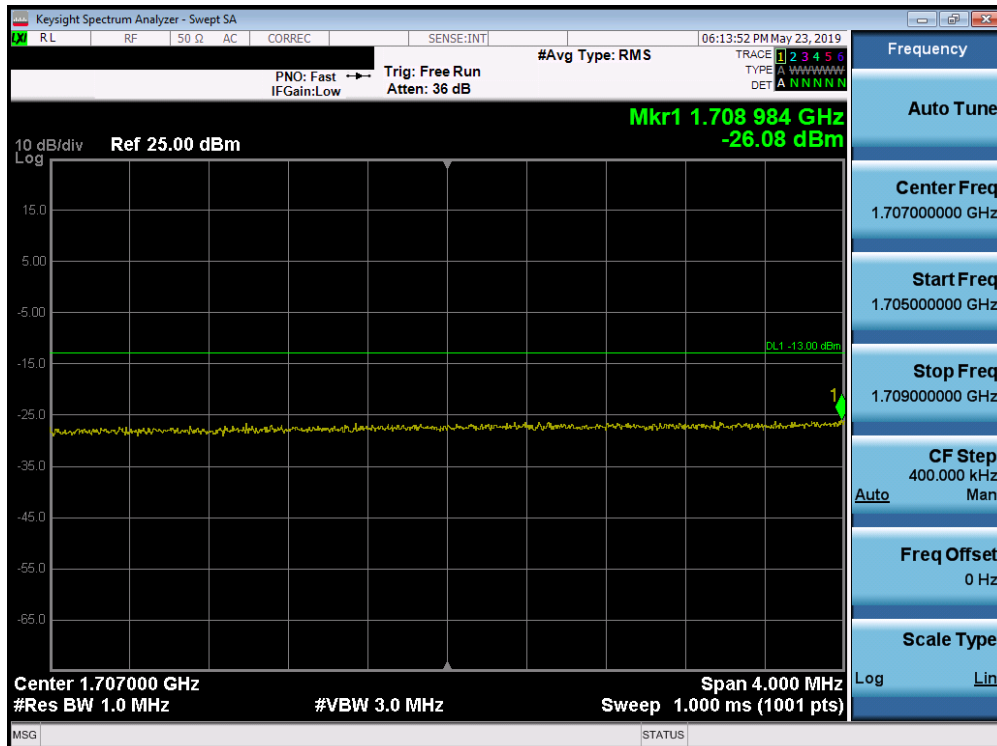


Plot 7-308. Upper Extended Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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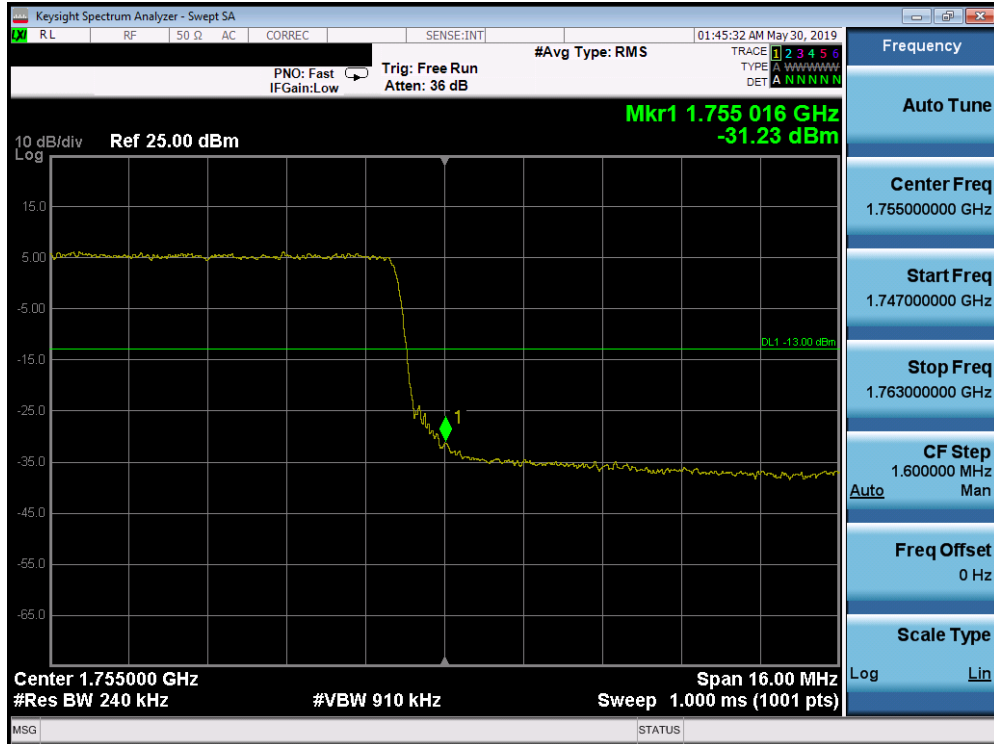


Plot 7-309. Lower Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

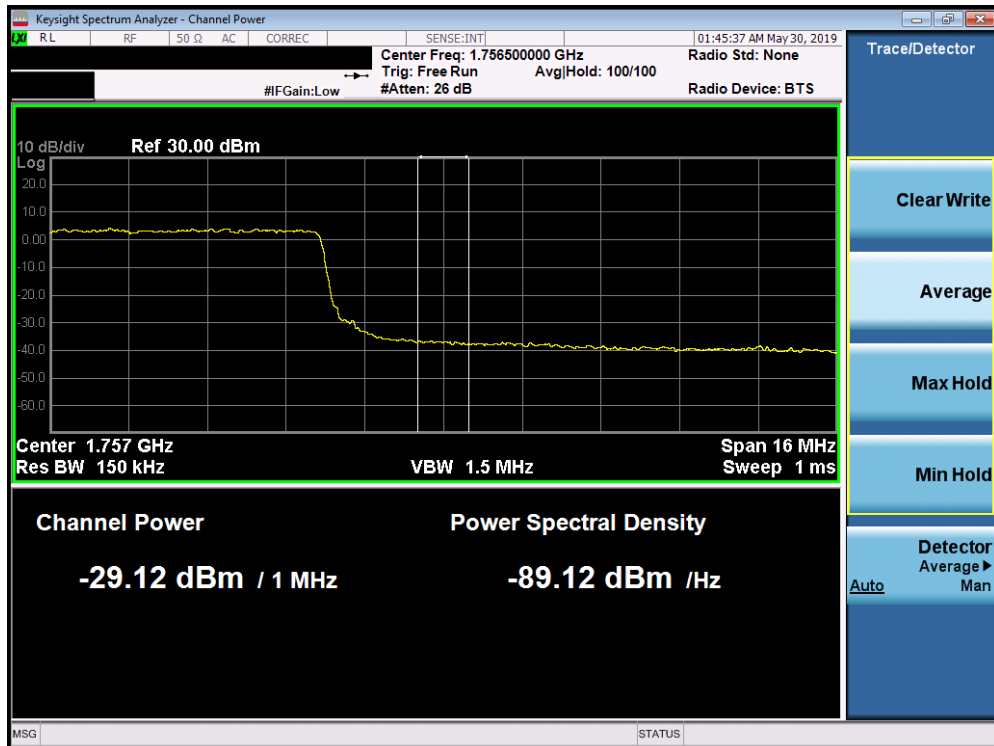


Plot 7-310. Lower Extended Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Plot 7-311. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

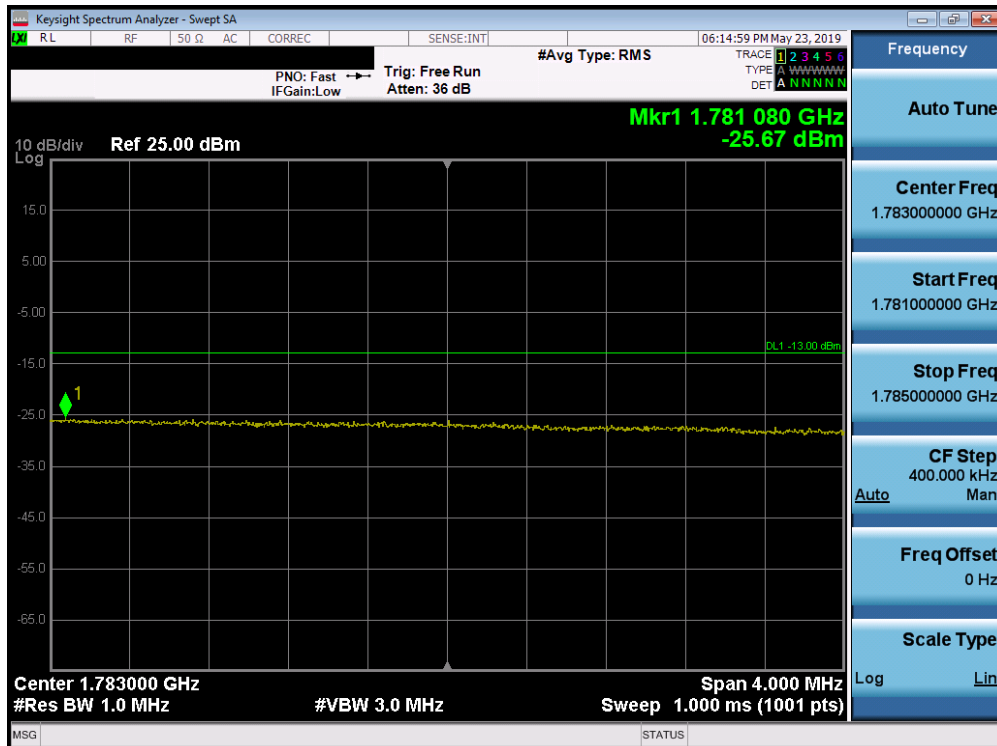


Plot 7-312. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 181 of 348



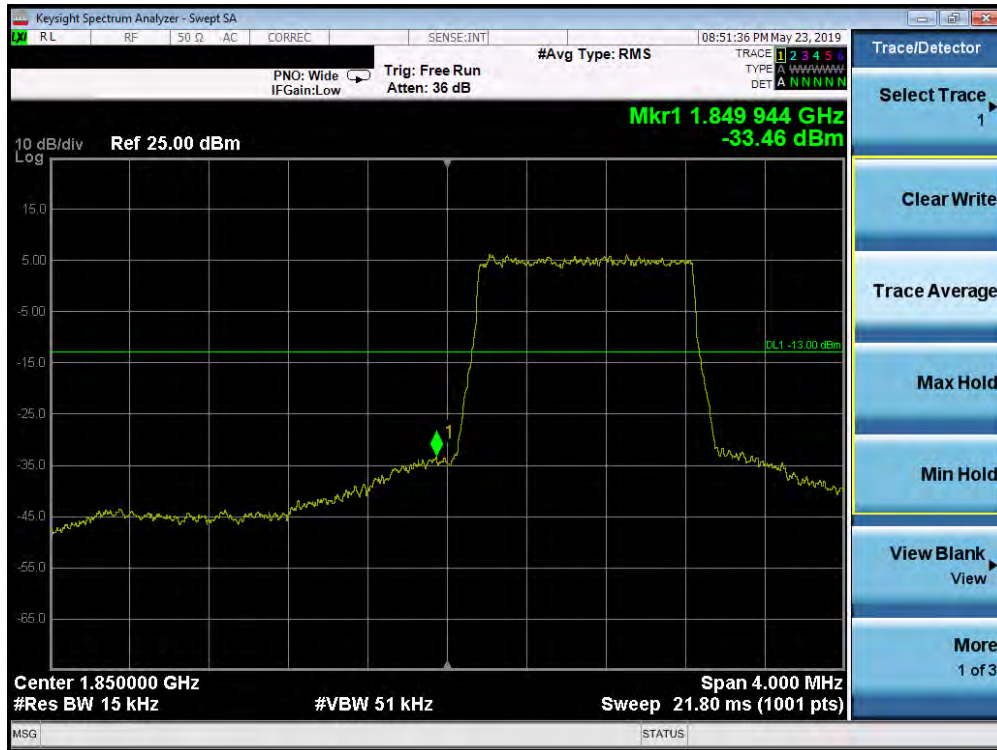
Plot 7-313. Upper Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-314. Upper Extended Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 182 of 348

Band 25/2

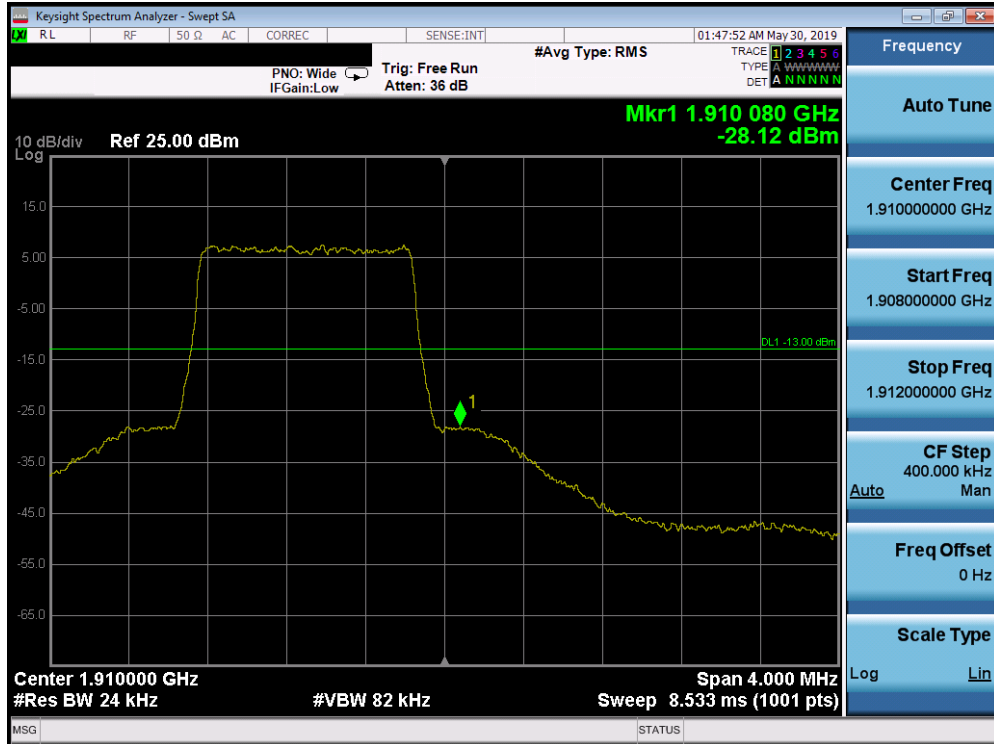


Plot 7-315. Lower Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

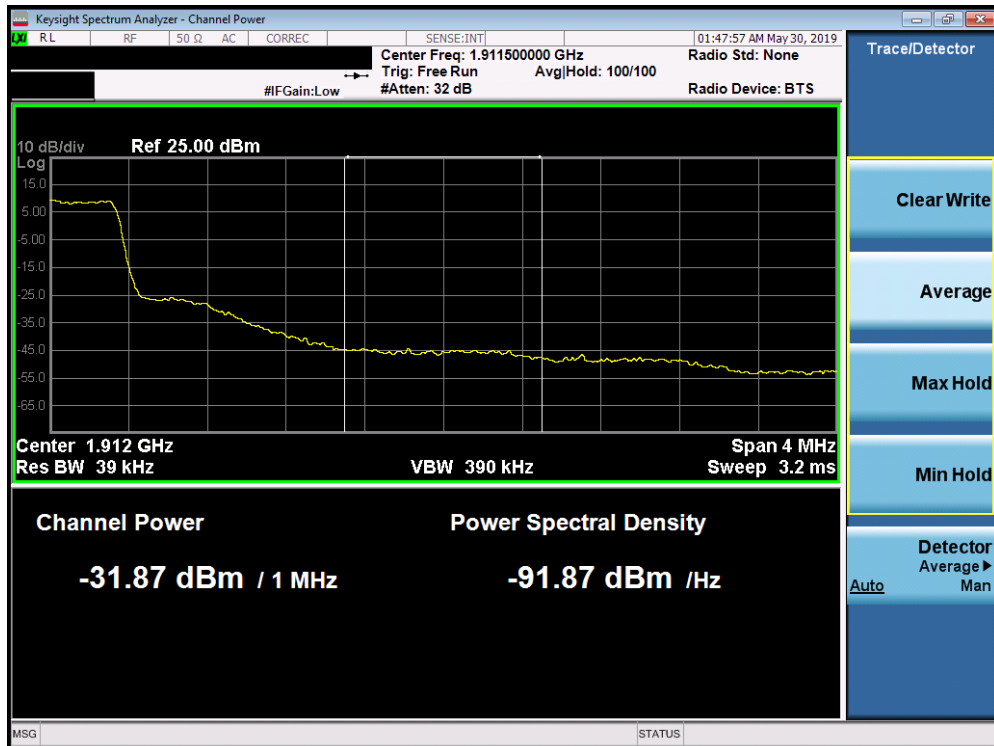


Plot 7-316. Lower Extended Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 183 of 348



Plot 7-317. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

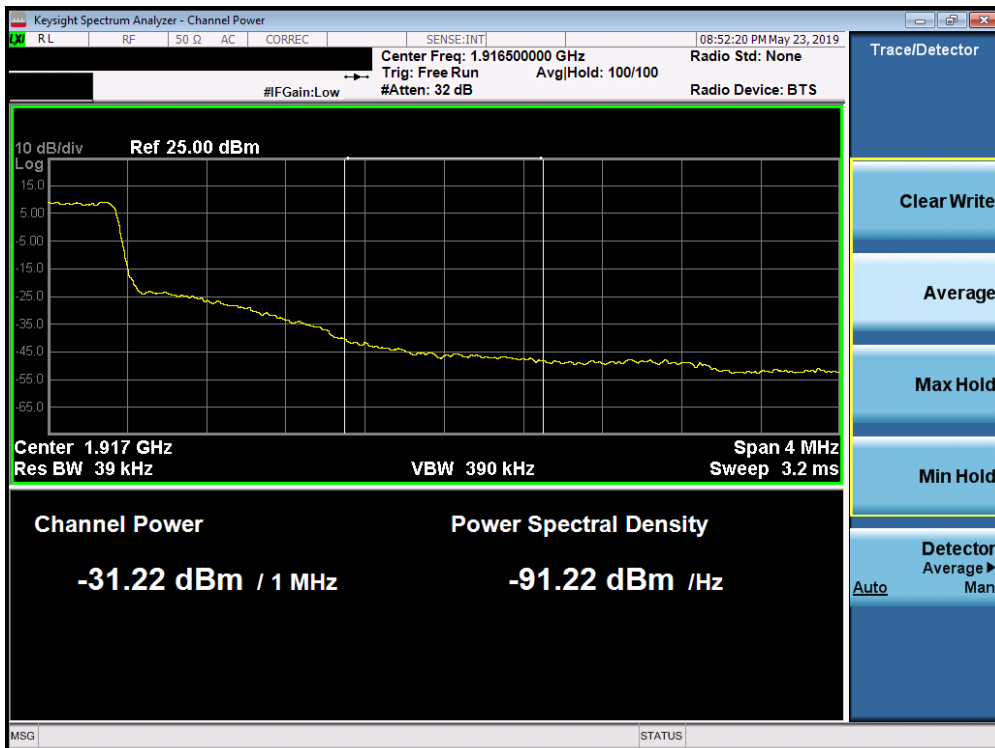


Plot 7-318. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 184 of 348

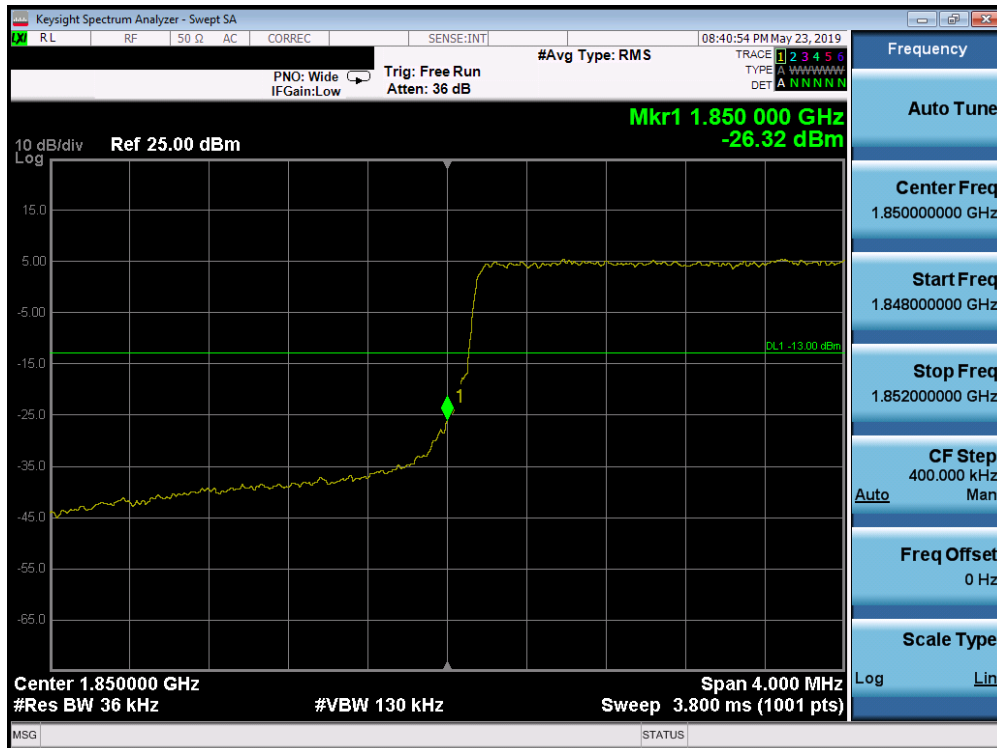


Plot 7-319. Upper Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

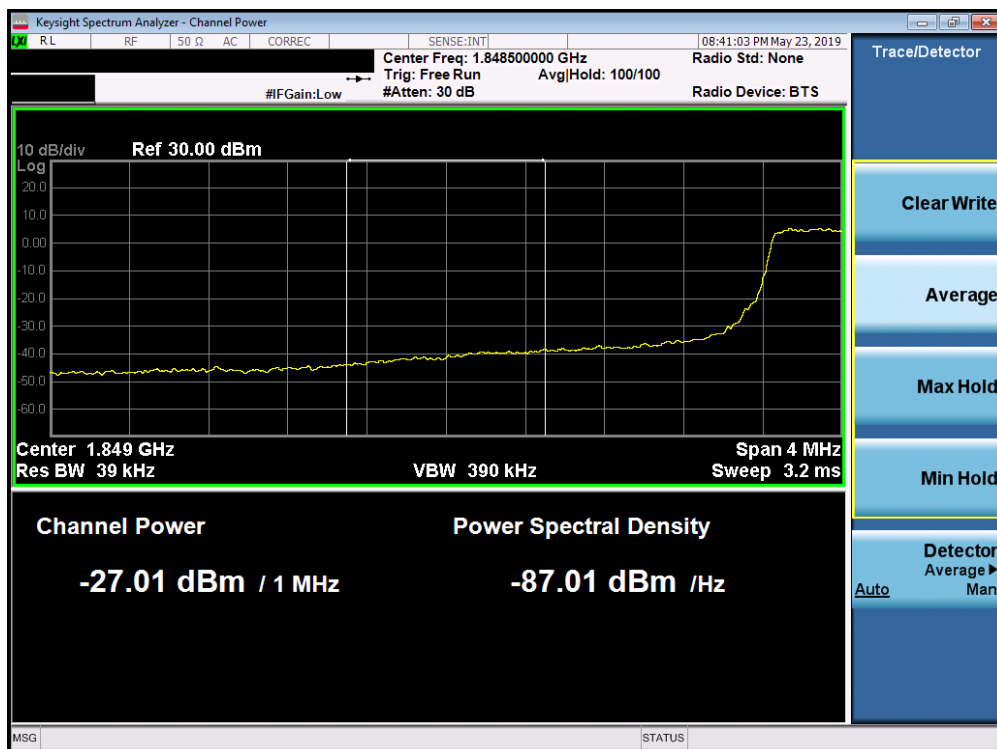


Plot 7-320. Upper Extended Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 185 of 348



Plot 7-321. Lower Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

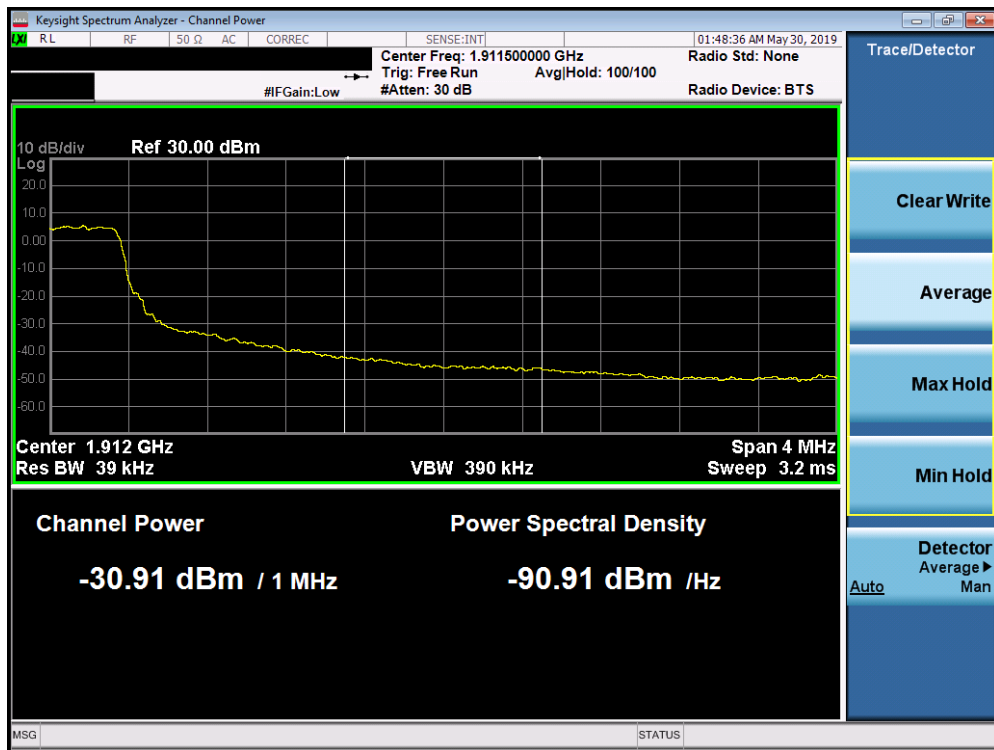


Plot 7-322. Lower Extended Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 186 of 348

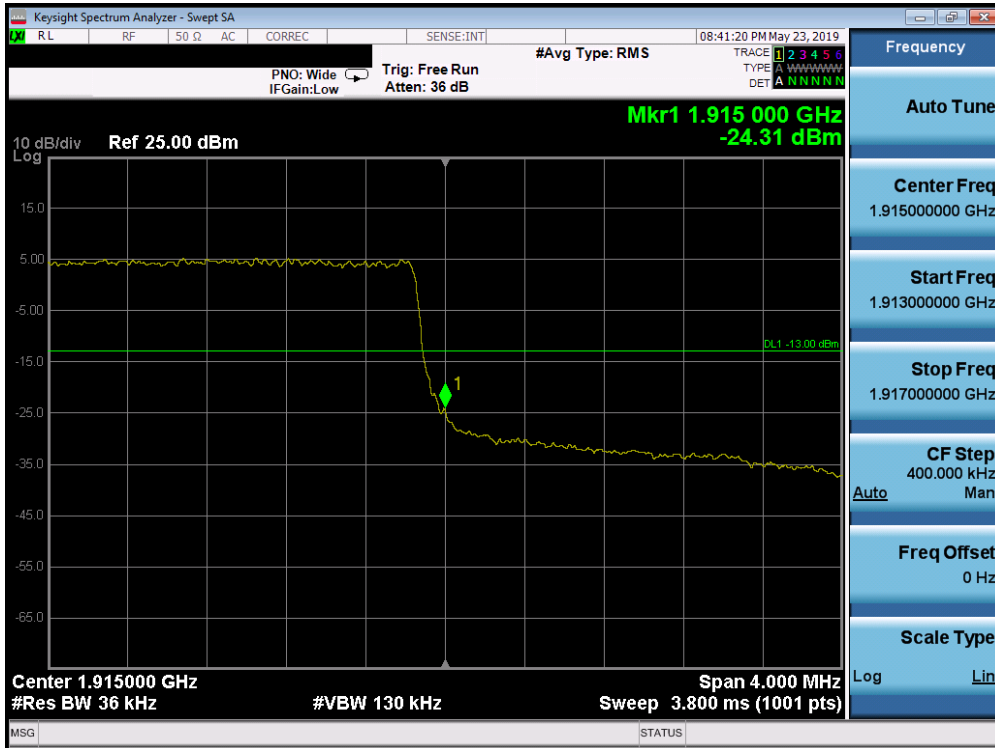


Plot 7-323. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

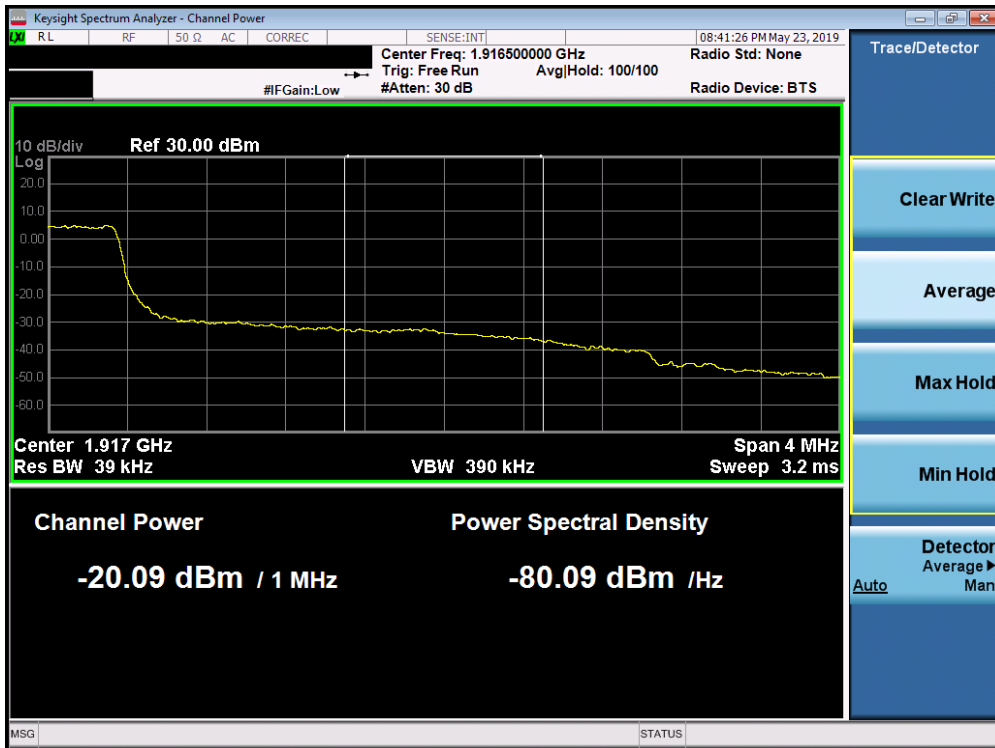


Plot 7-324. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 187 of 348

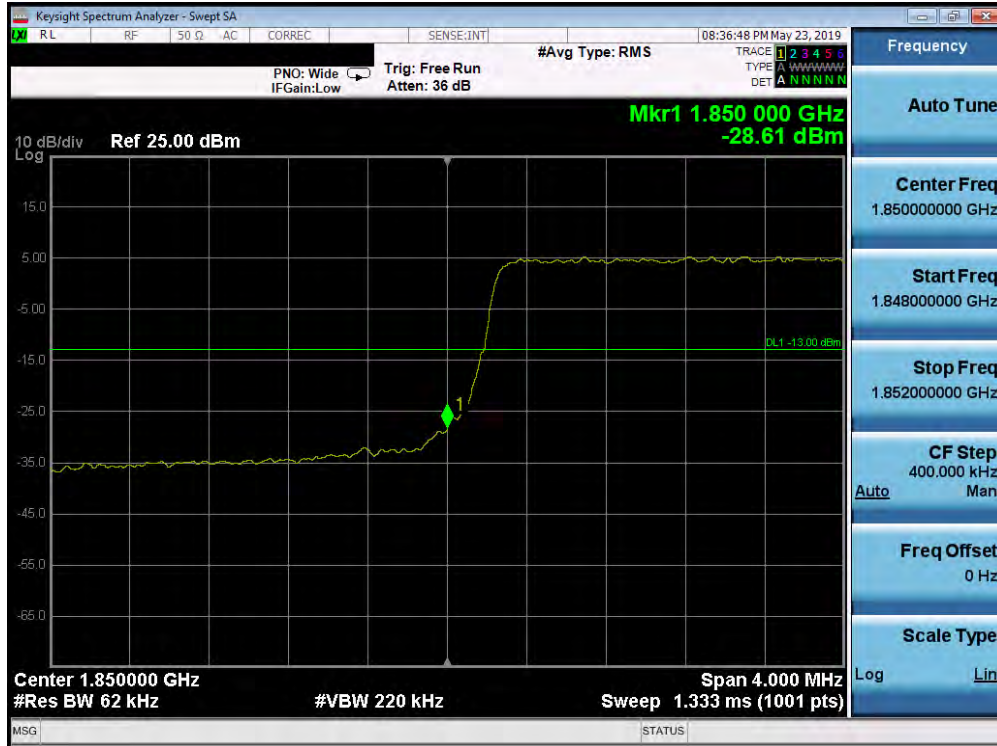


Plot 7-325. Upper Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

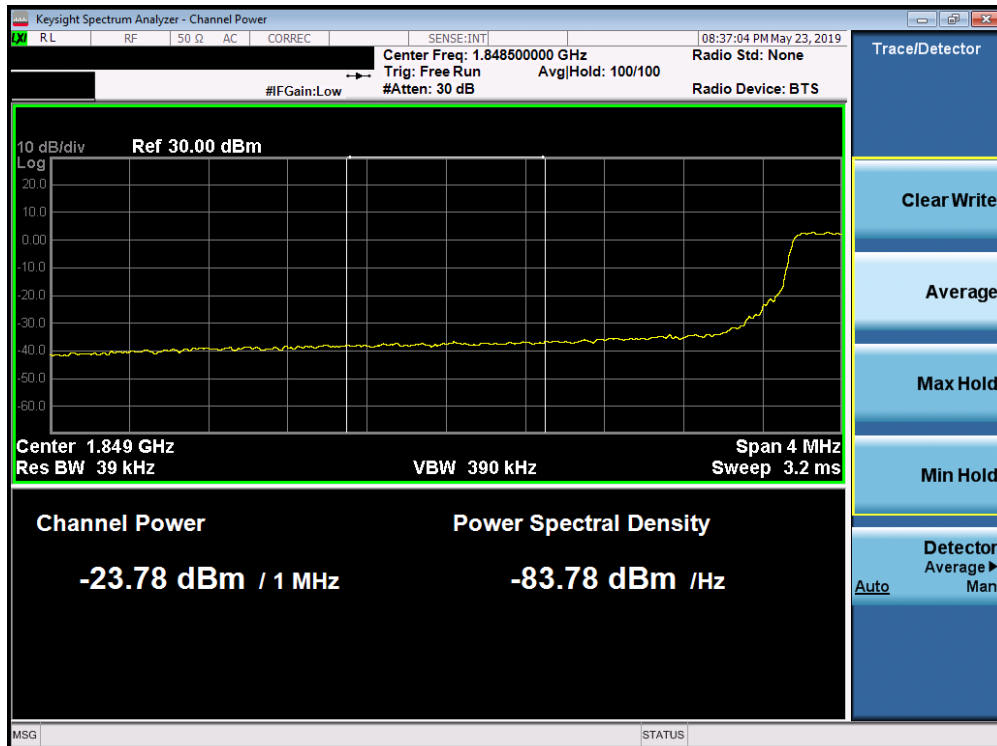


Plot 7-326. Upper Extended Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 188 of 348



Plot 7-327. Lower Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

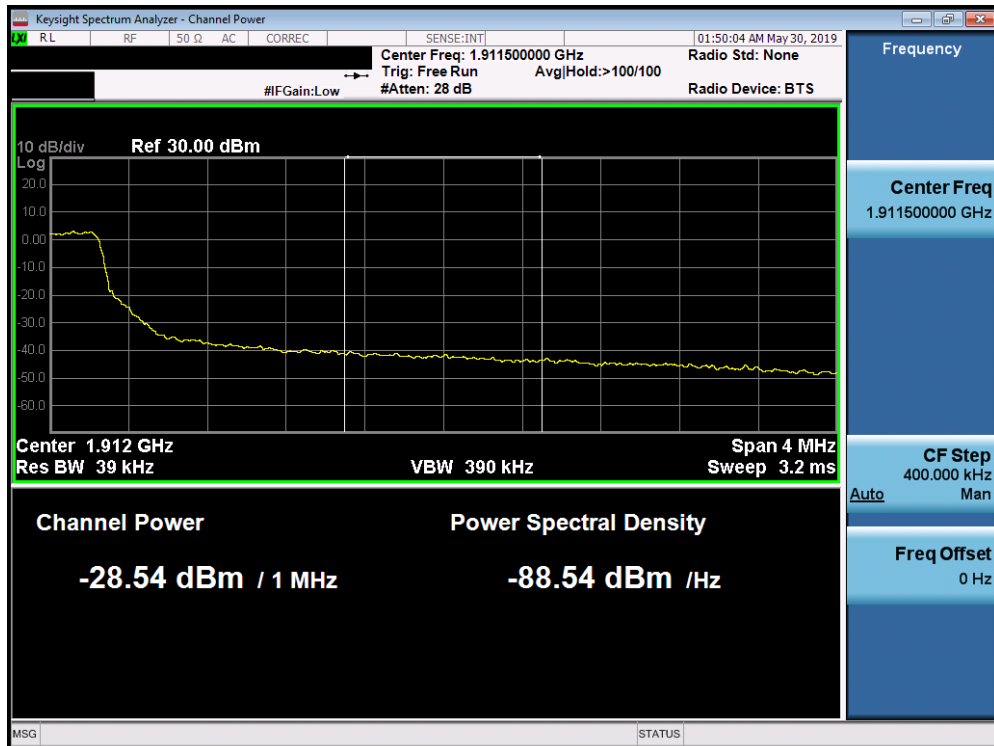


Plot 7-328. Lower Extended Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 189 of 348

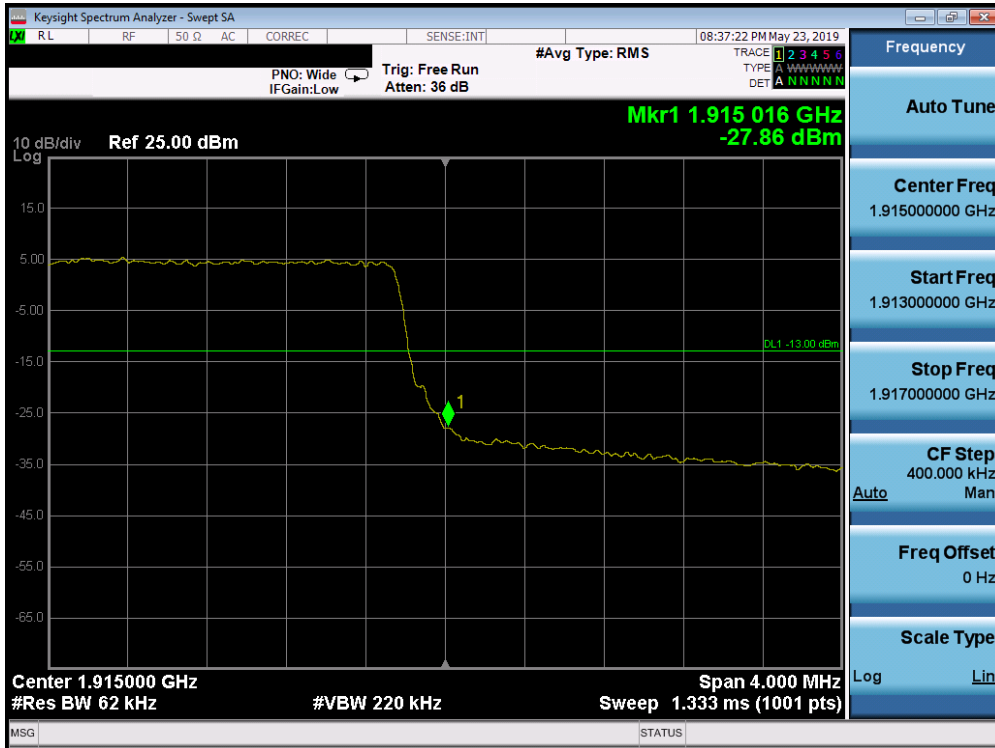


Plot 7-329. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

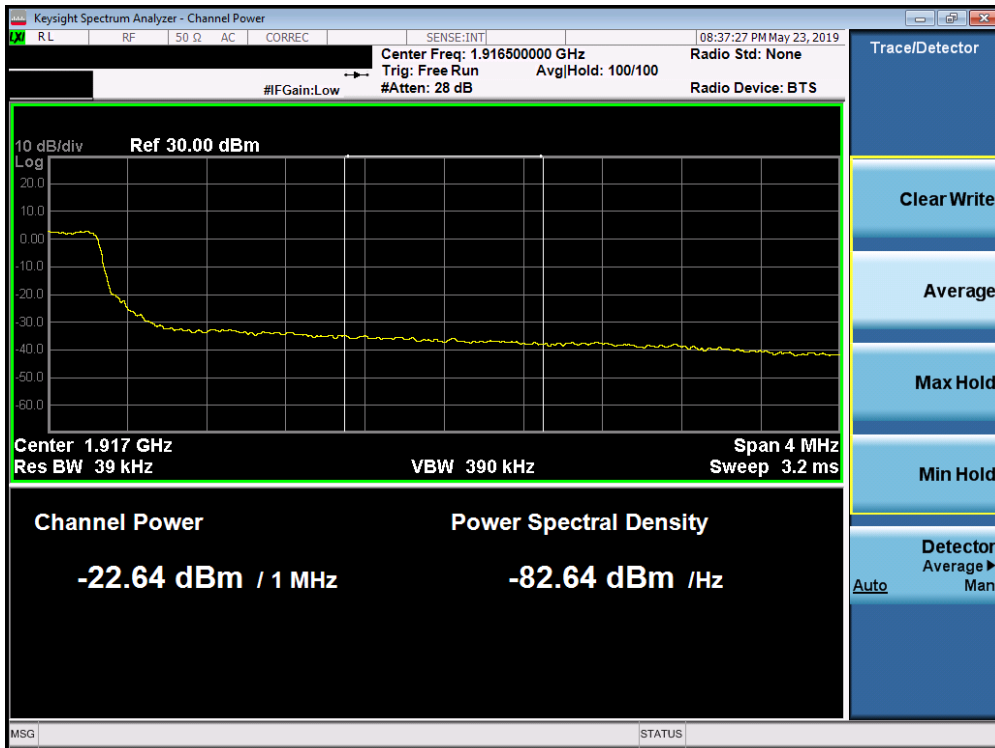


Plot 7-330. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 190 of 348

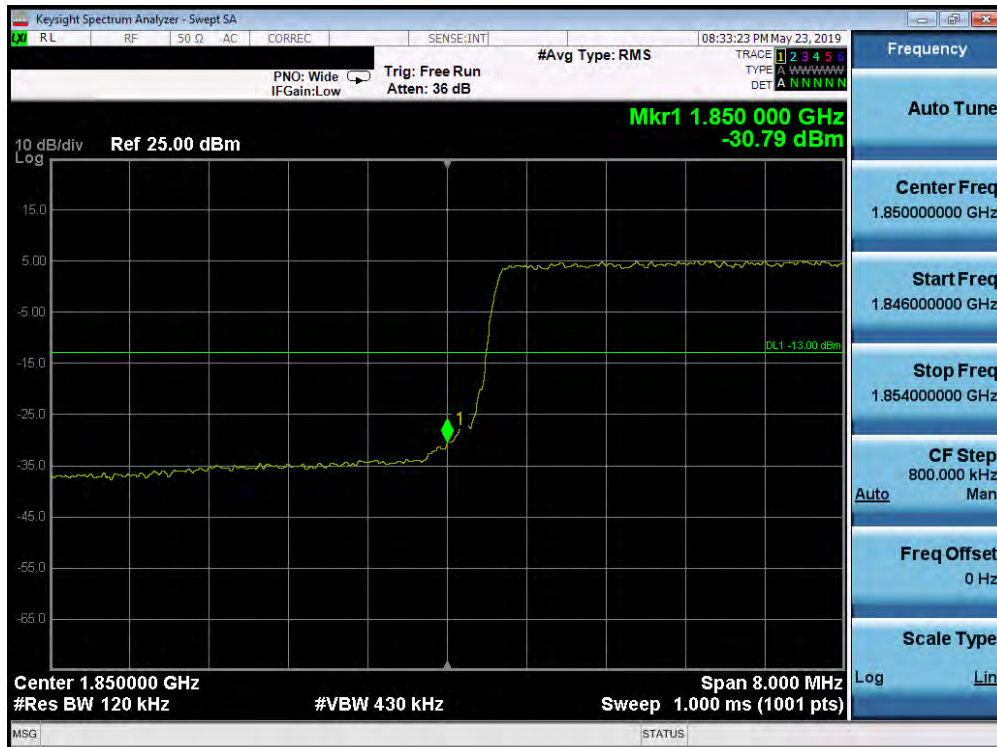


Plot 7-331. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

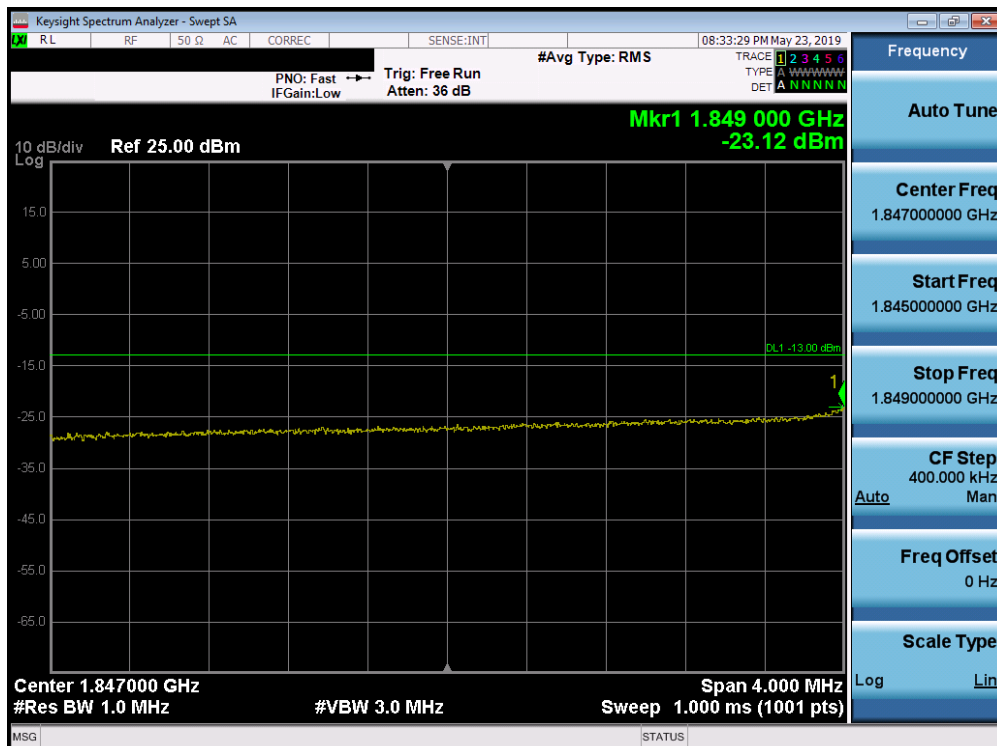


Plot 7-332. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 191 of 348

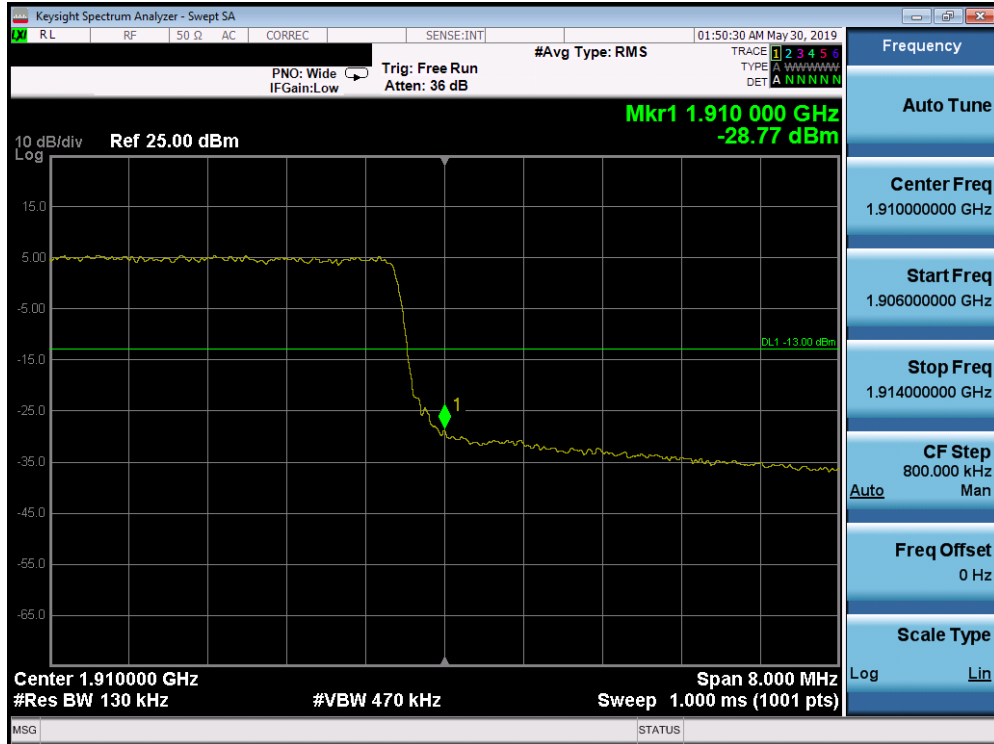


Plot 7-333. Lower Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

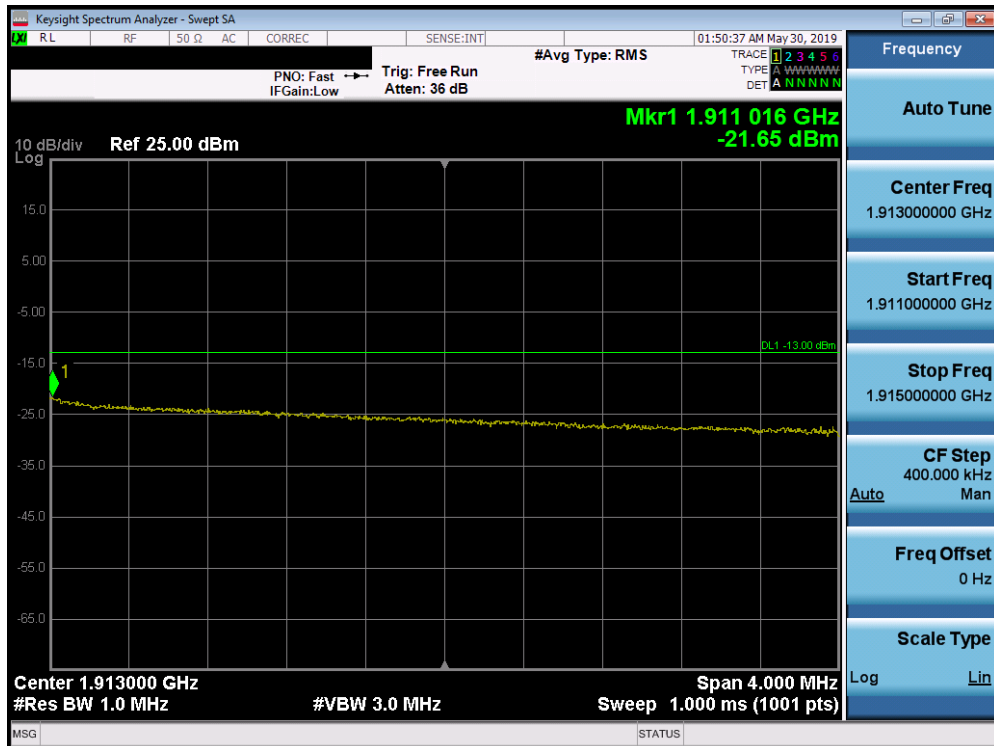


Plot 7-334. Lower Extended Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 192 of 348



Plot 7-335. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

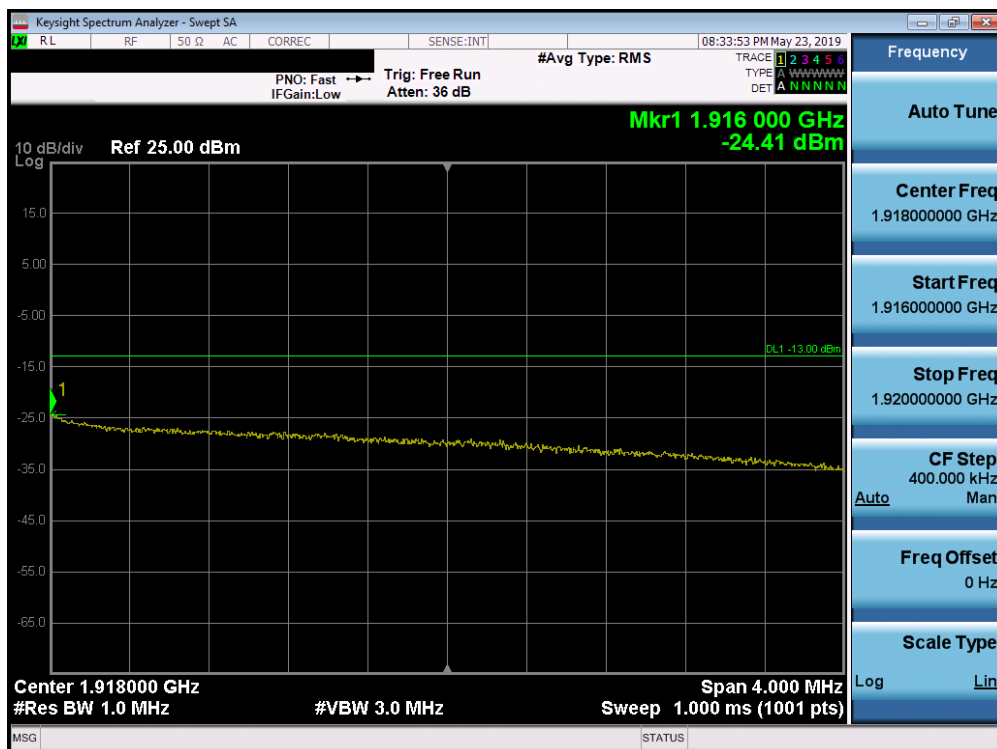


Plot 7-336. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 193 of 348

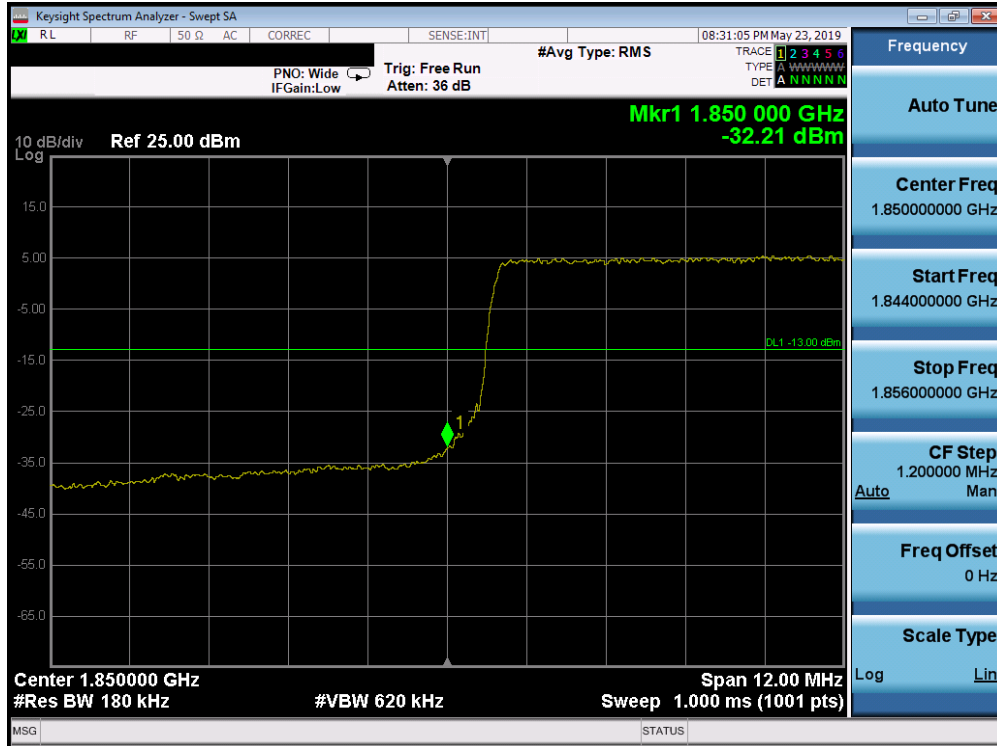


Plot 7-337. Upper Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

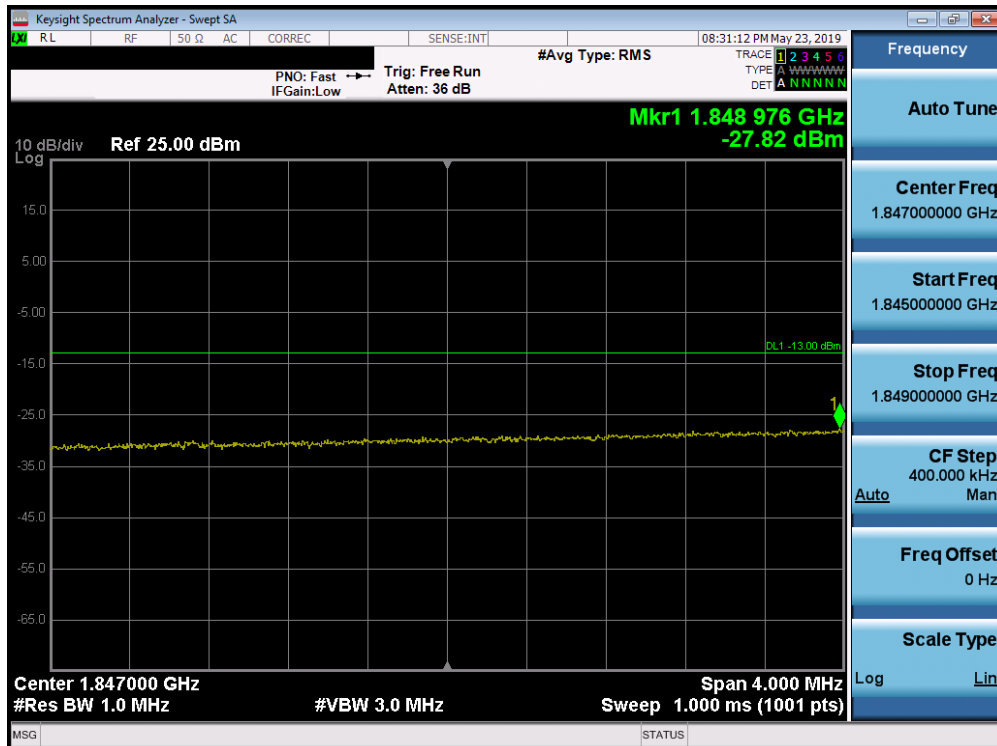


Plot 7-338. Upper Extended Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 194 of 348

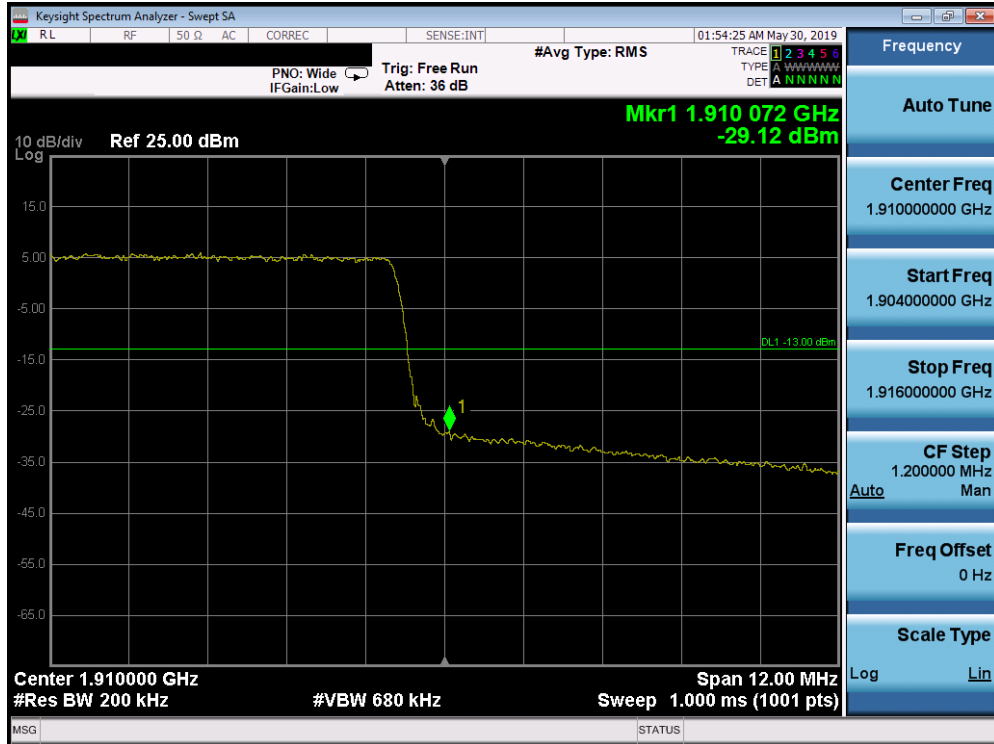


Plot 7-339. Lower Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

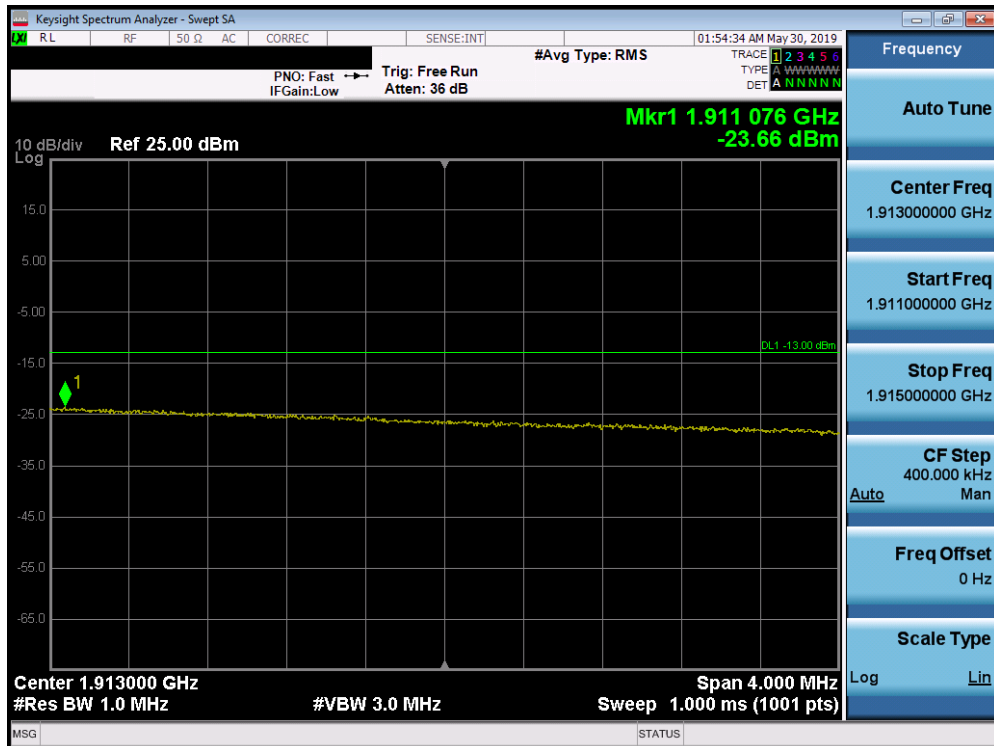


Plot 7-340. Lower Extended Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 195 of 348

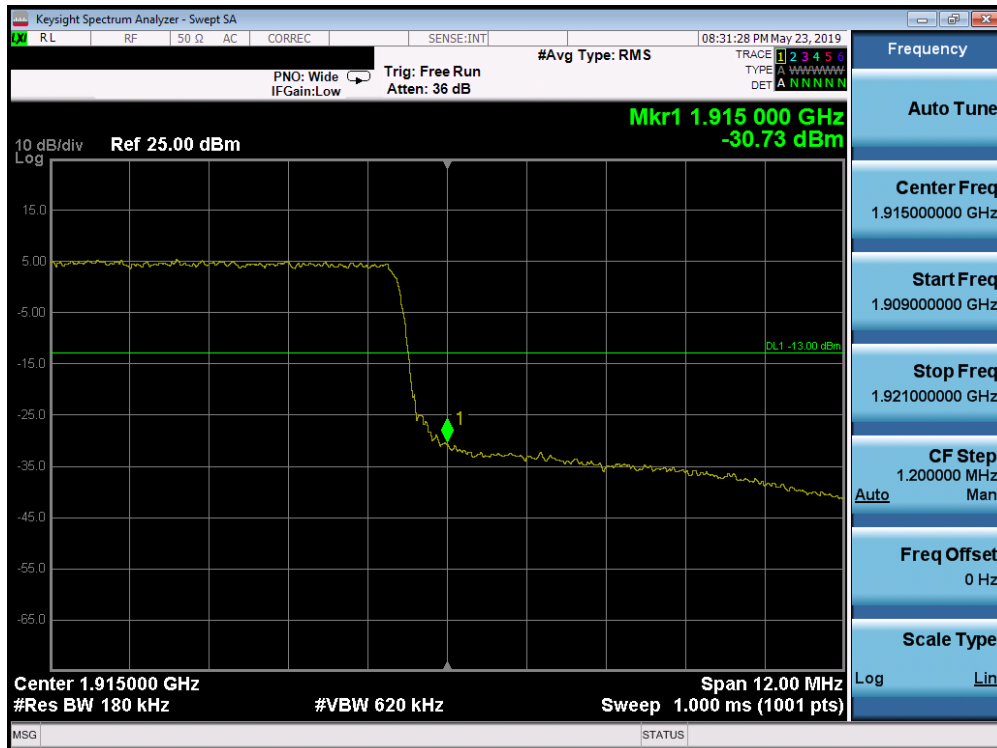


Plot 7-341. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-342. Upper Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 196 of 348

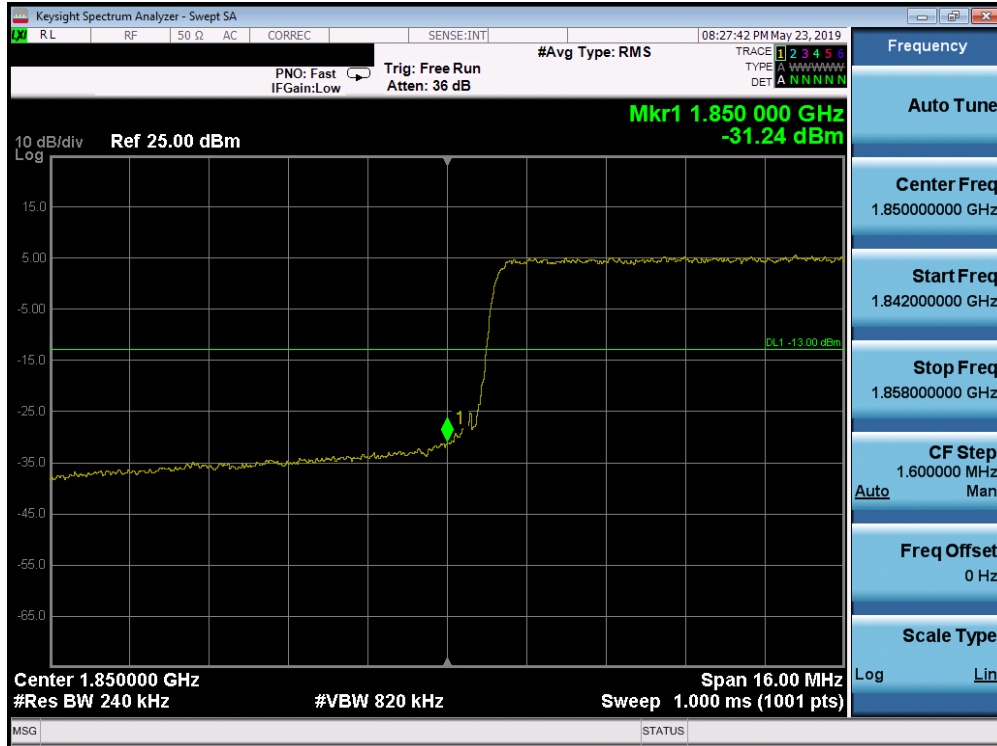


Plot 7-343. Upper Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

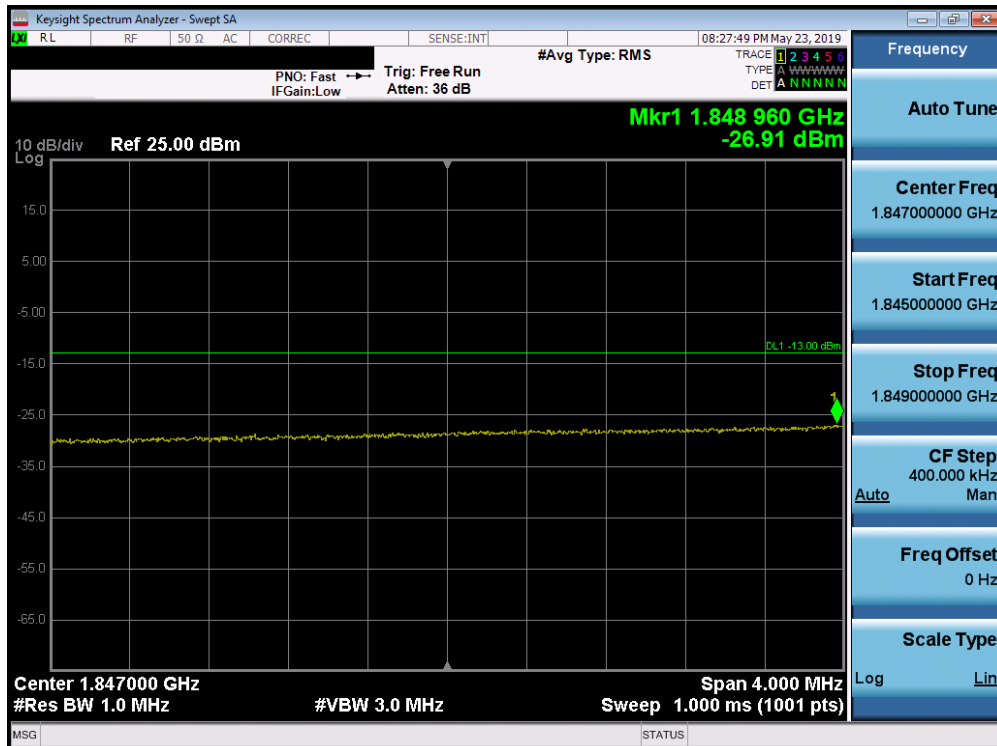


Plot 7-344. Upper Extended Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 197 of 348

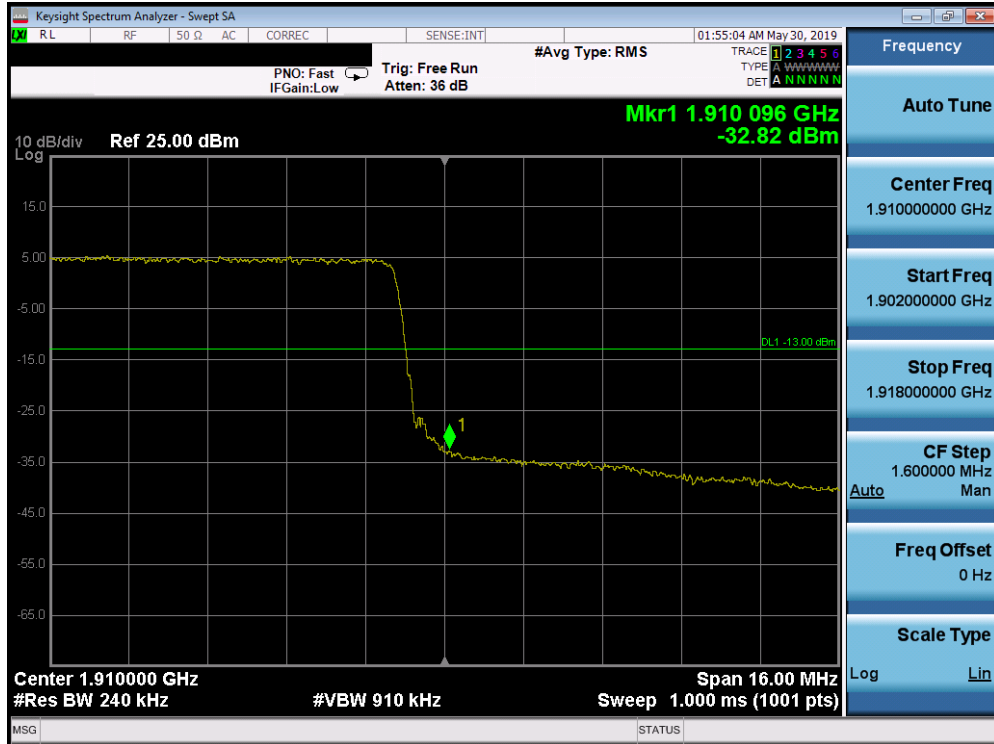


Plot 7-345. Lower Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

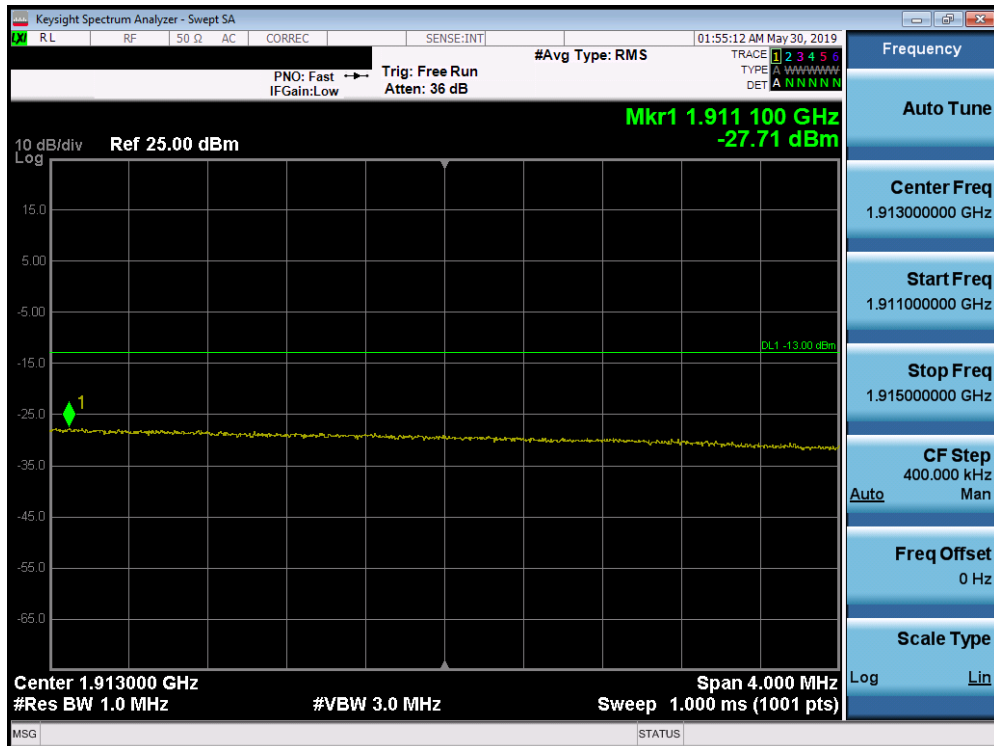


Plot 7-346. Lower Extended Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 198 of 348



Plot 7-347. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

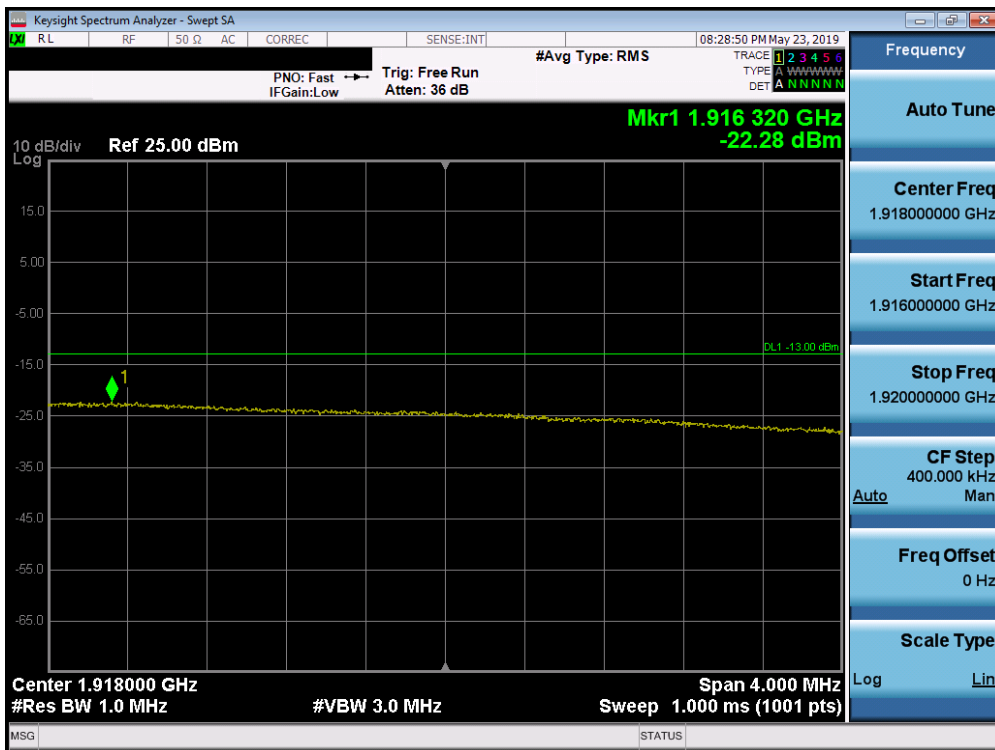


Plot 7-348. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 199 of 348



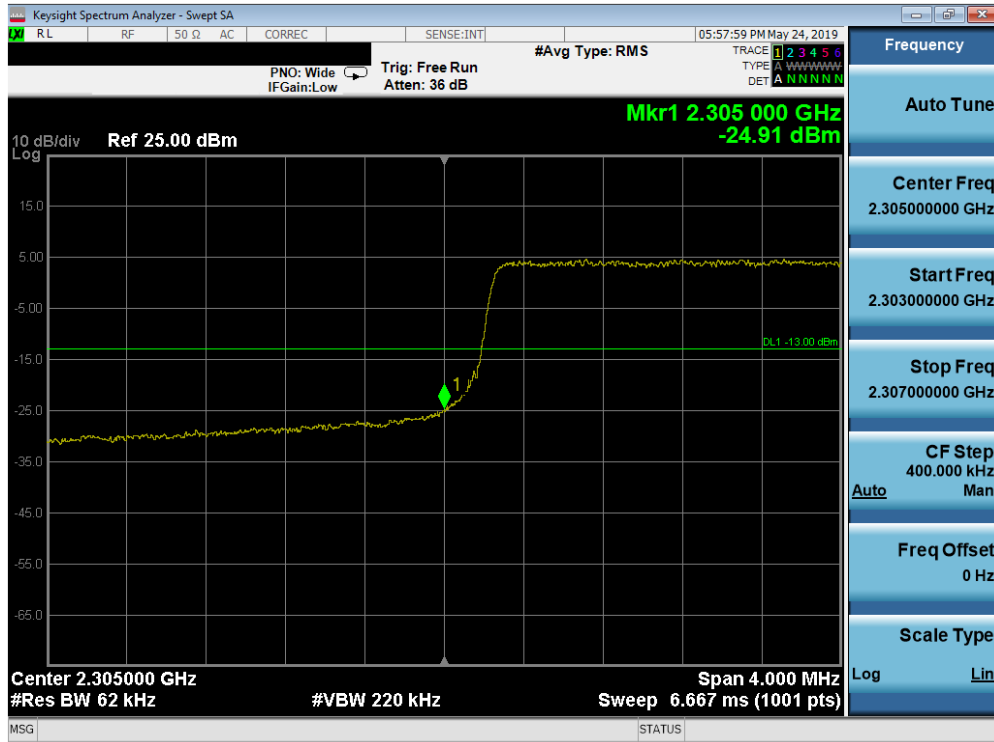
Plot 7-349. Upper Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-350. Upper Extended Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 200 of 348

Band 30

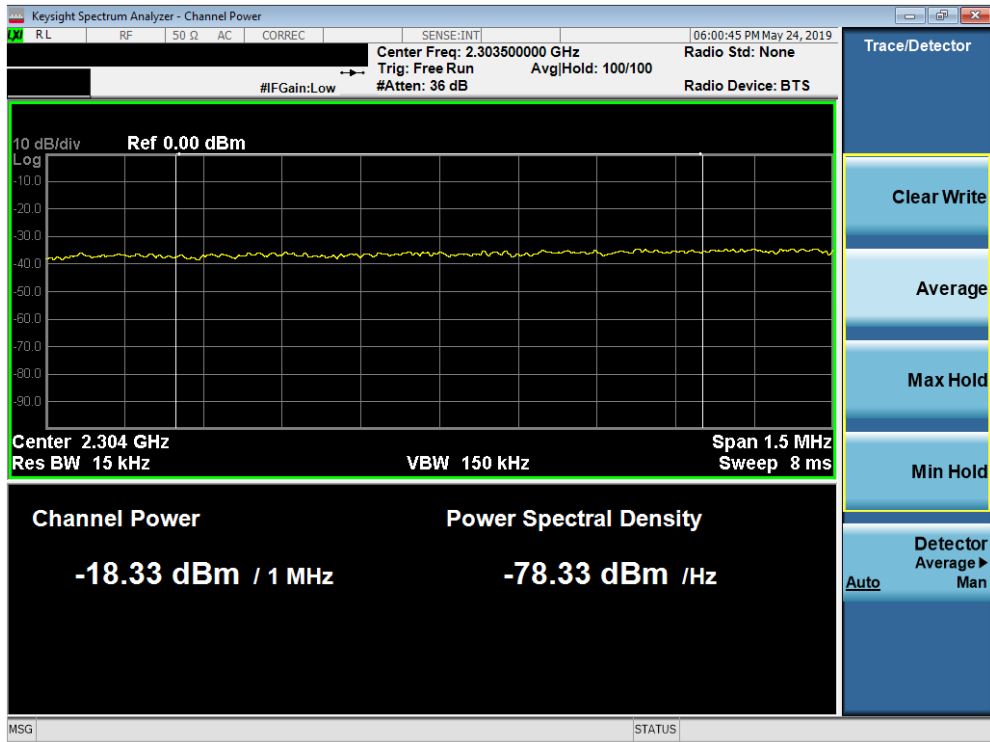


Plot 7-351. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-352. Lower Extended Band Edge Plot 2288-2303 MHz (Band 30 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 201 of 348



Plot 7-353. Lower Extended Band Edge Plot 2303-2304 MHz (Band 30 - 5.0MHz QPSK - Full RB Configuration)

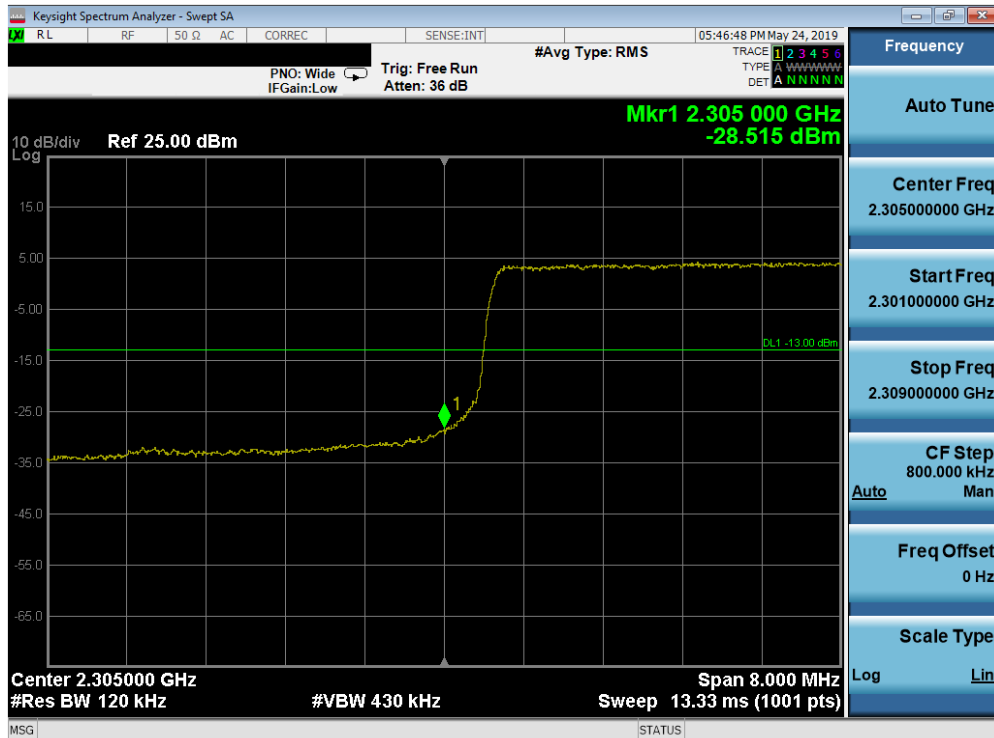


Plot 7-354. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 202 of 348



Plot 7-355. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

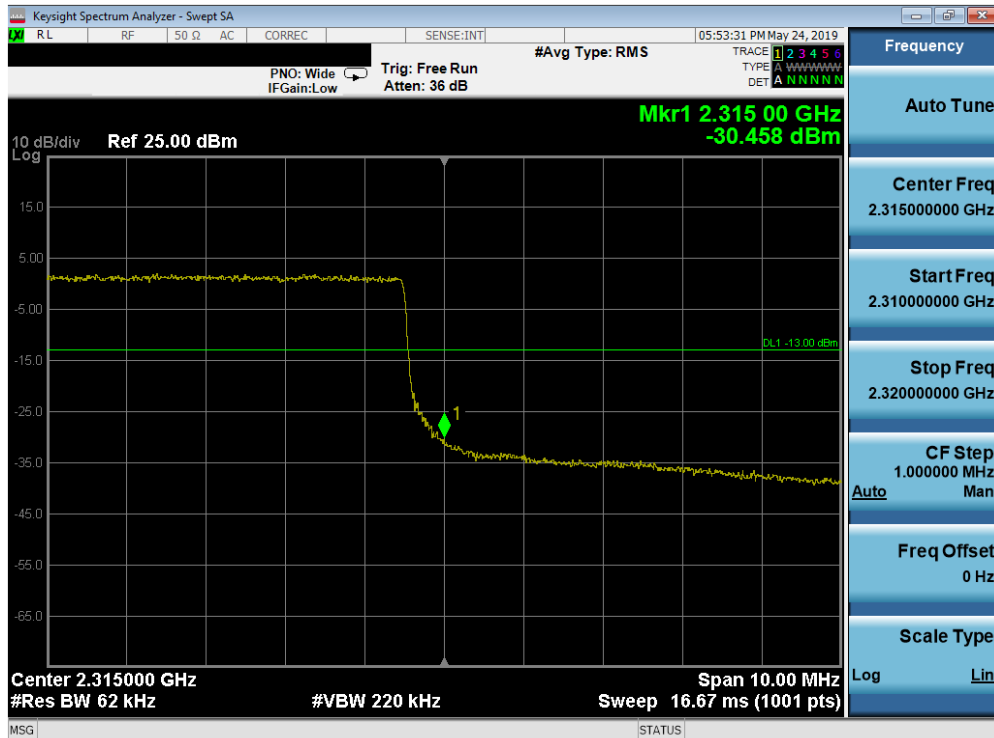


Plot 7-356. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 203 of 348



Plot 7-357. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-358. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

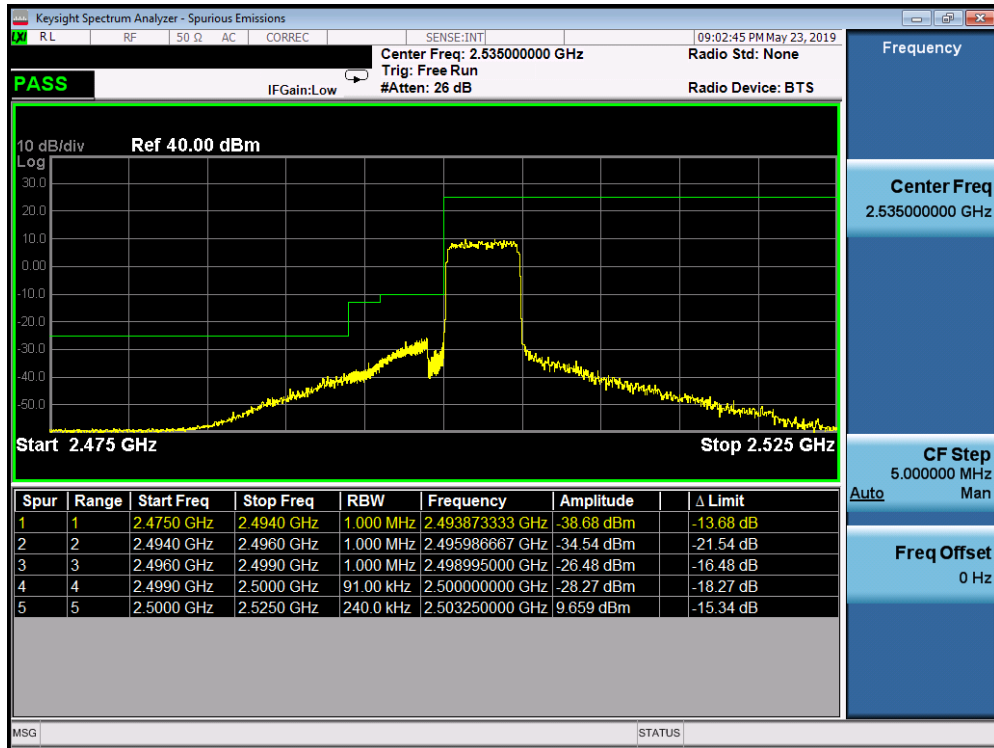
FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 204 of 348



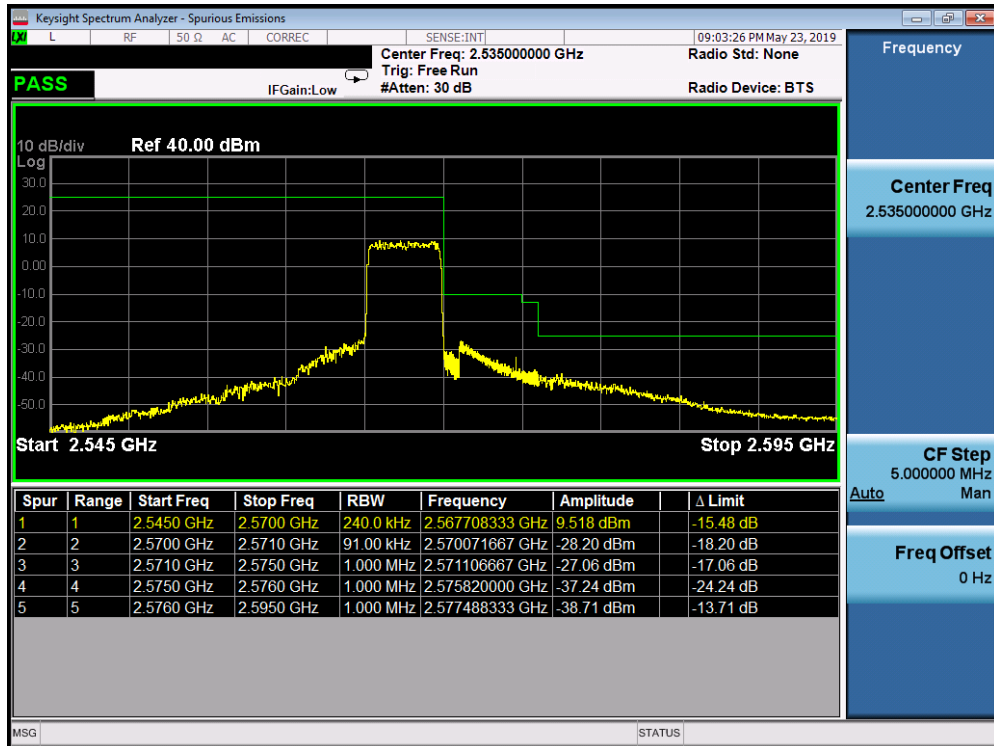
Plot 7-359. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 205 of 348

Band 7

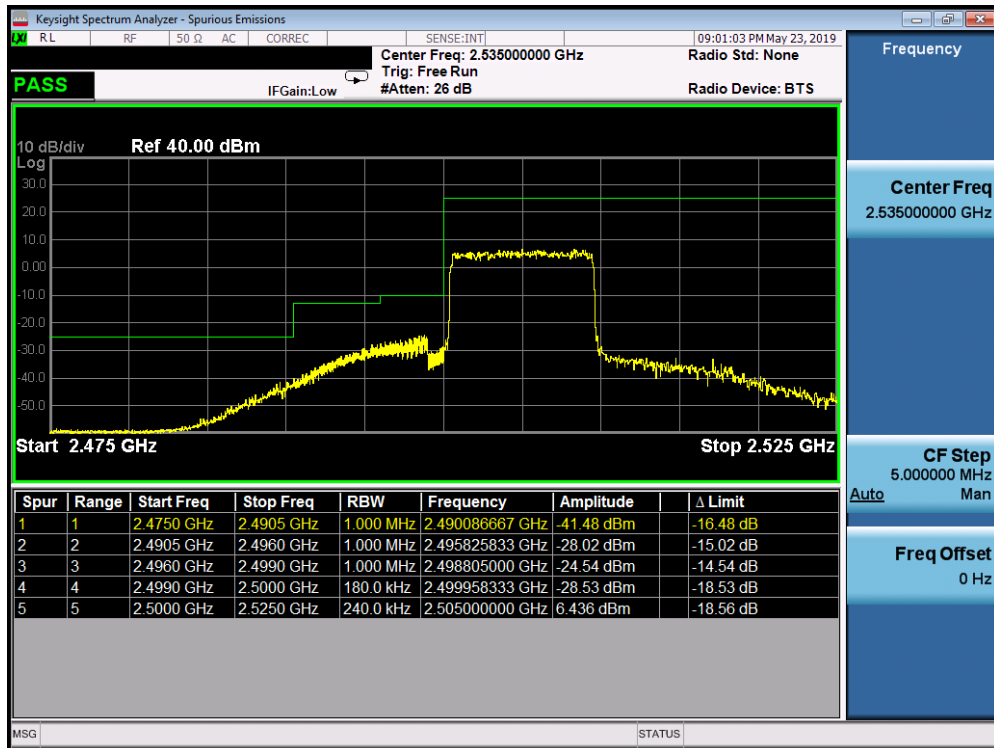


Plot 7-360. Lower ACP Plot (Band 7 - 5.0MHz QPSK - Full RB Configuration)

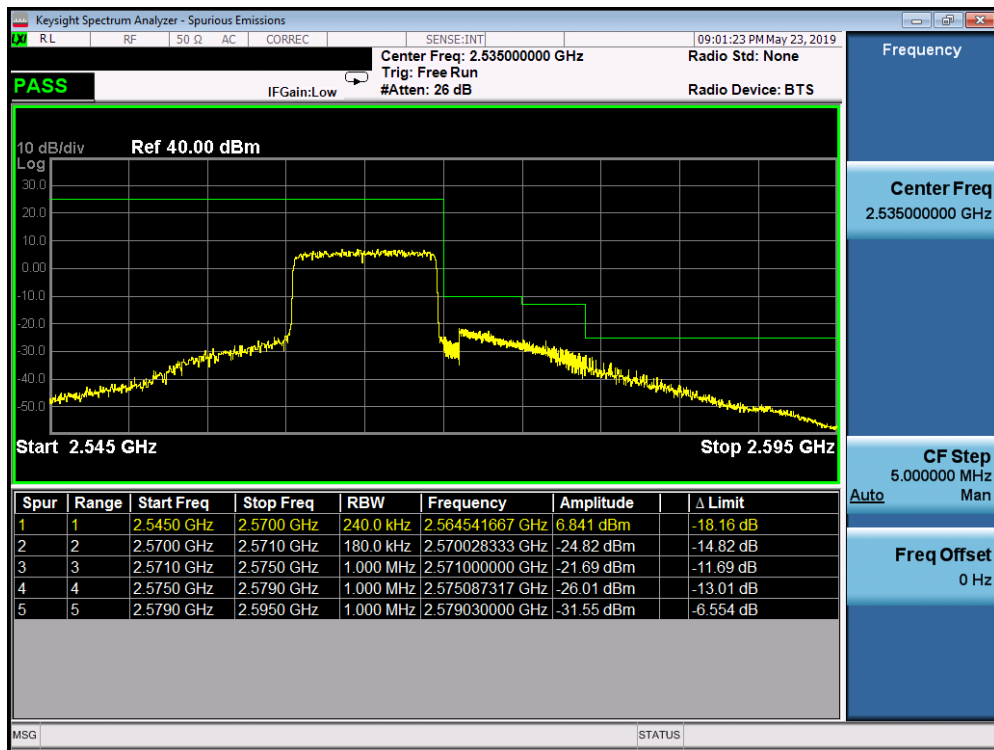


Plot 7-361. Upper ACP Plot (Band 7 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 206 of 348

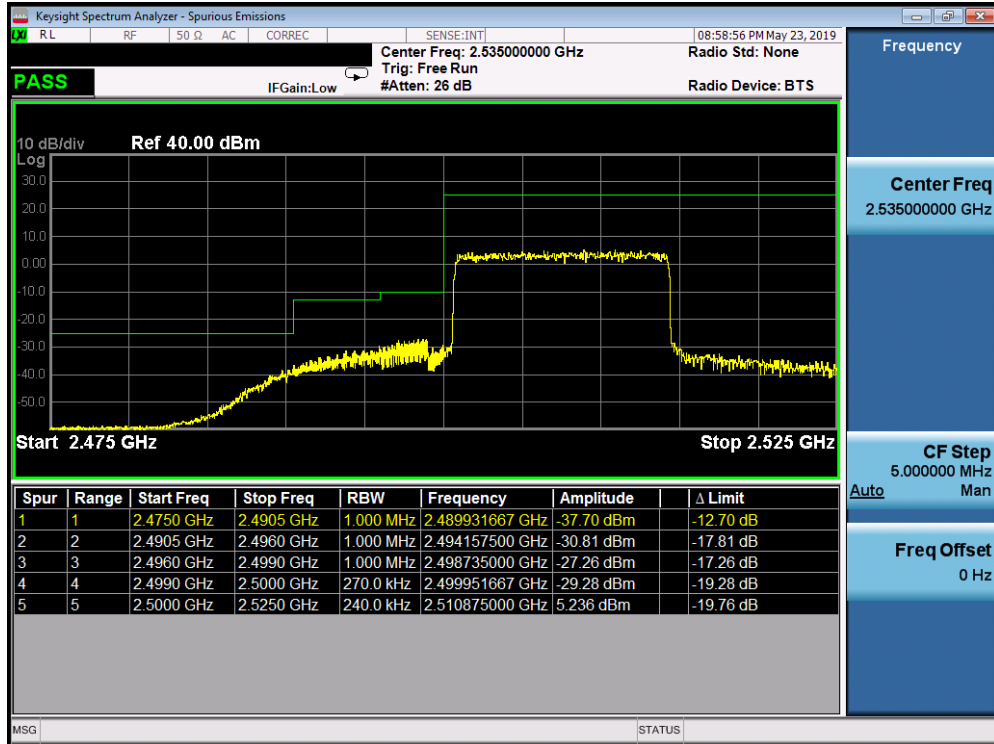


Plot 7-362. Lower ACP Plot (Band 7 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-363. Upper ACP Plot (Band 7 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 207 of 348

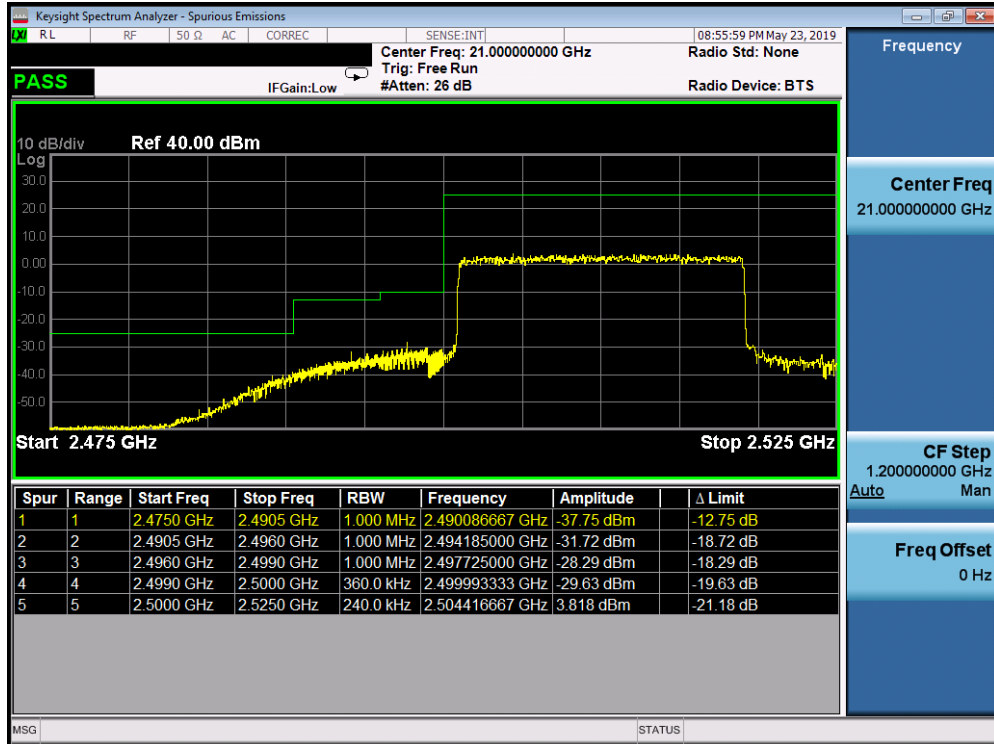


Plot 7-364. Lower ACP Plot at (Band 7 - 15.0MHz QPSK - Full RB Configuration)

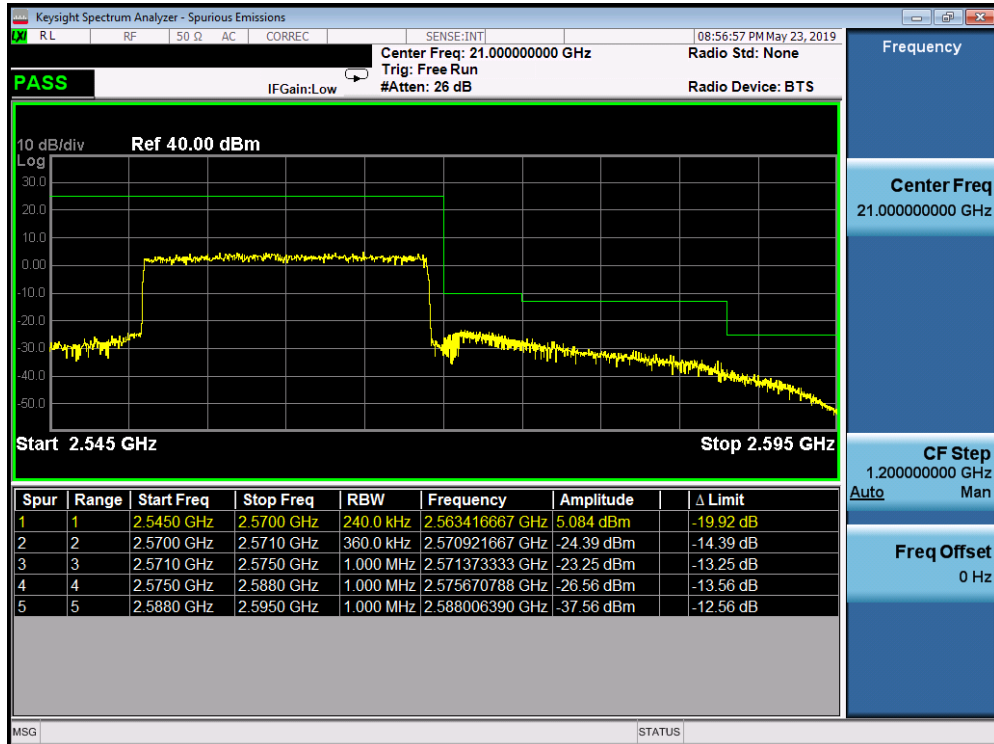


Plot 7-365. Upper ACP Plot at (Band 7 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 208 of 348



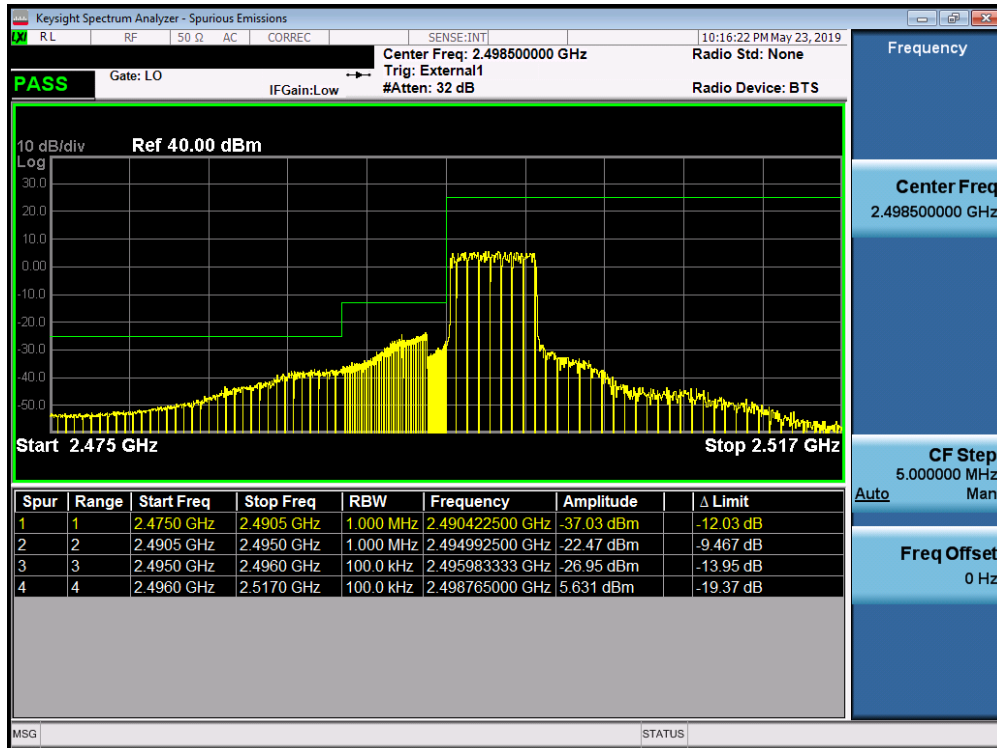
Plot 7-366. Lower ACP Plot (Band 7 - 20.0MHz QPSK - Full RB Configuration)



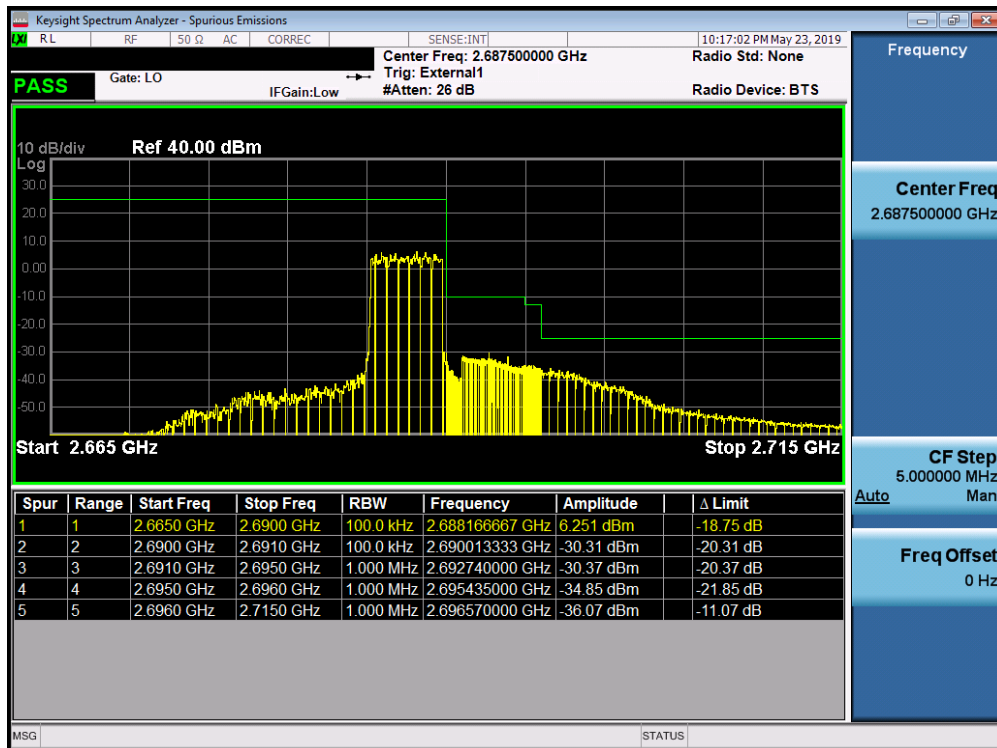
Plot 7-367. Upper ACP Plot (Band 7 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 209 of 348

Band 41/38 (PC3)

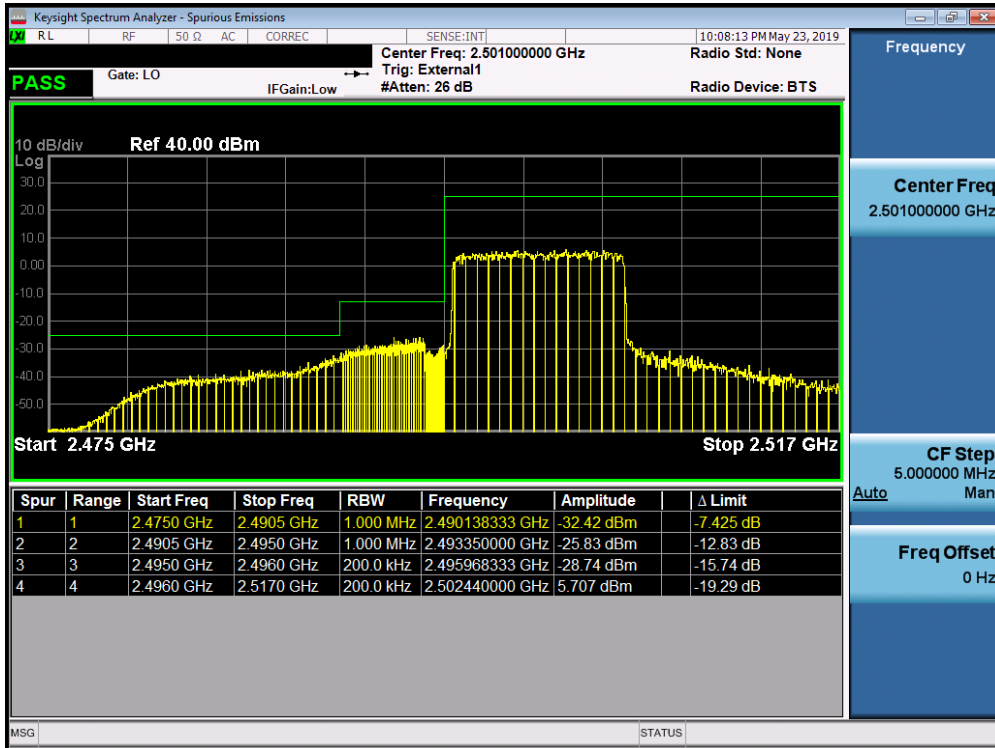


Plot 7-368. Lower ACP Plot (Band 41/38 (PC3)- 5.0MHz QPSK - Full RB Configuration)

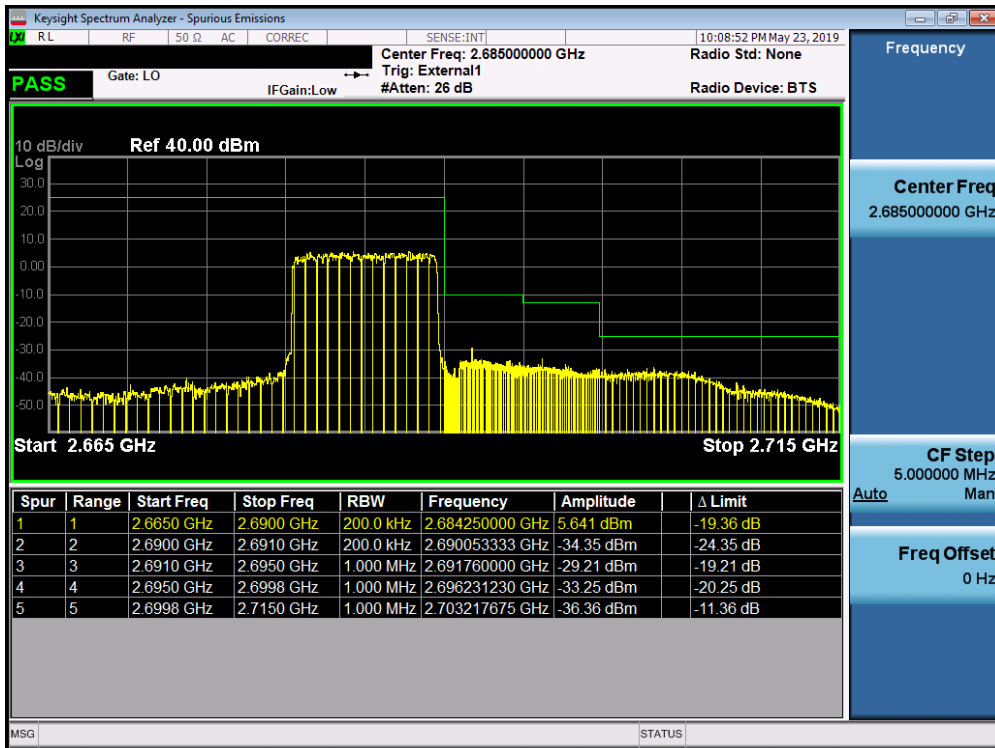


Plot 7-369. Upper ACP Plot (Band 41/38 (PC3)- 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 210 of 348

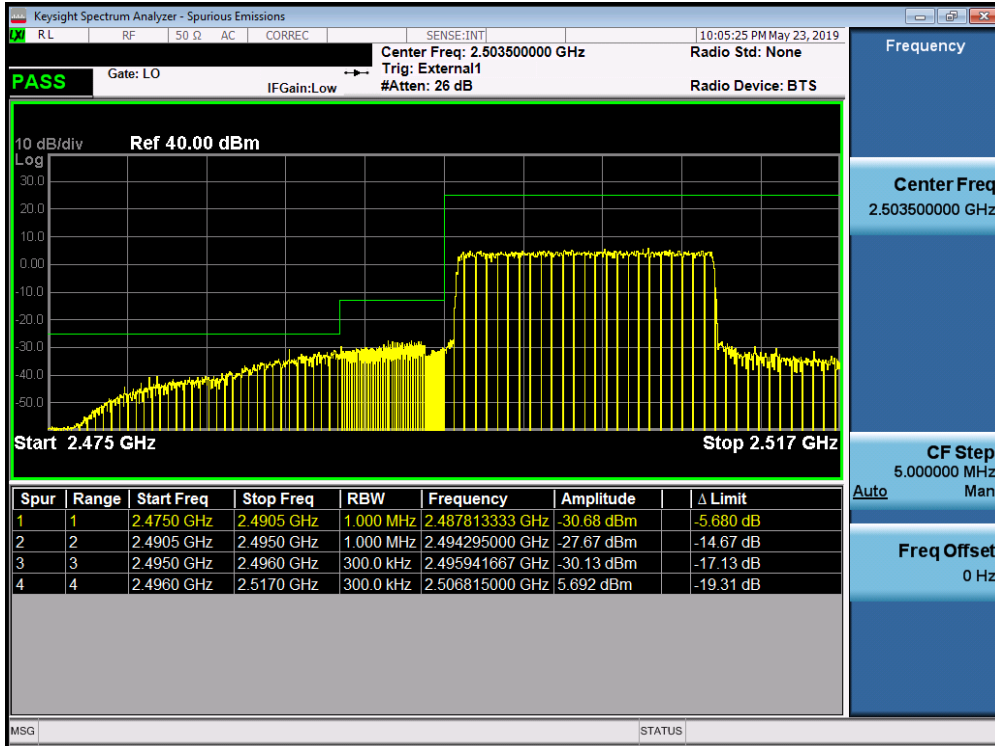


Plot 7-370. Lower ACP Plot (Band 41/38 (PC3)- 10.0MHz QPSK - Full RB Configuration)

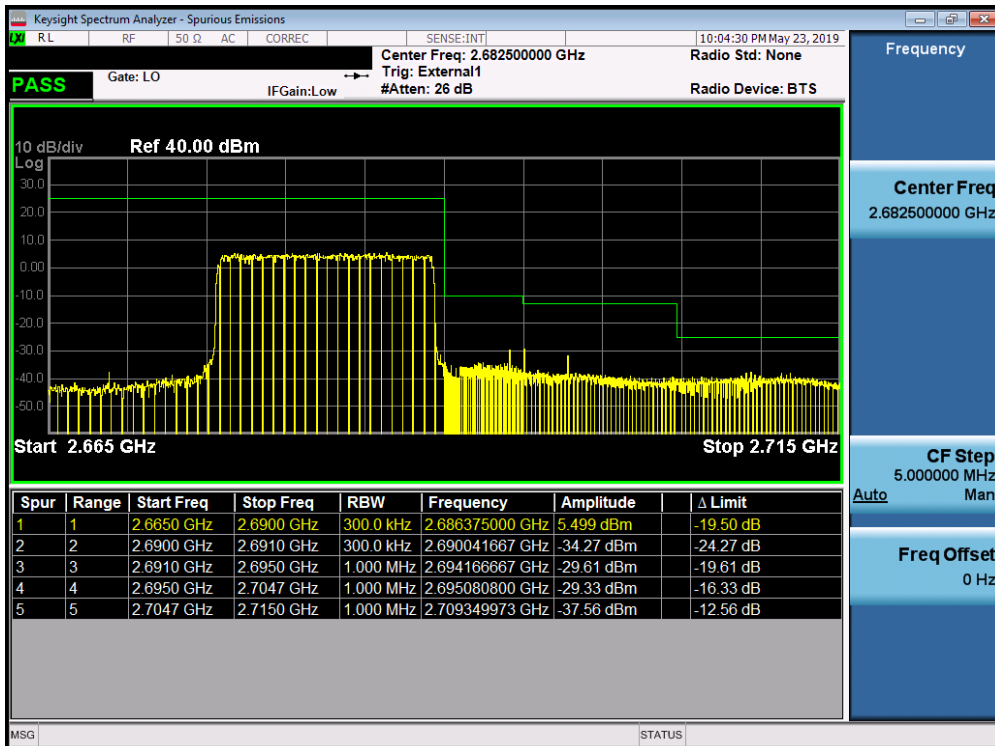


Plot 7-371. Upper ACP Plot (Band 41/38 (PC3)- 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 211 of 348

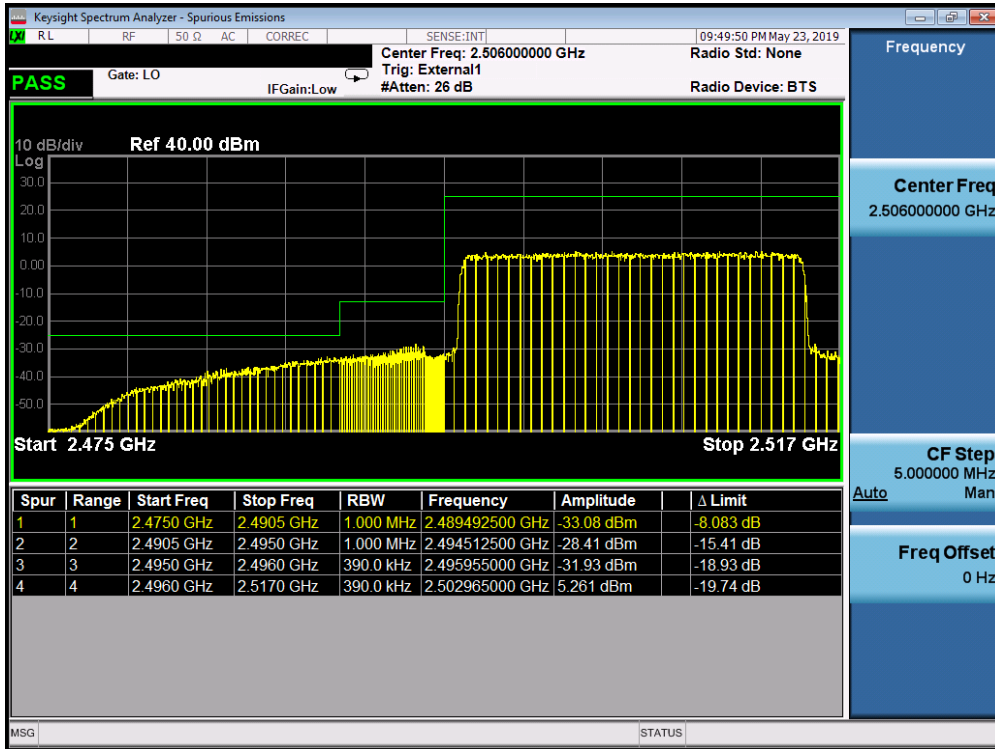


Plot 7-372. Lower ACP Plot (Band 41/38 (PC3)- 15.0MHz QPSK - Full RB Configuration)

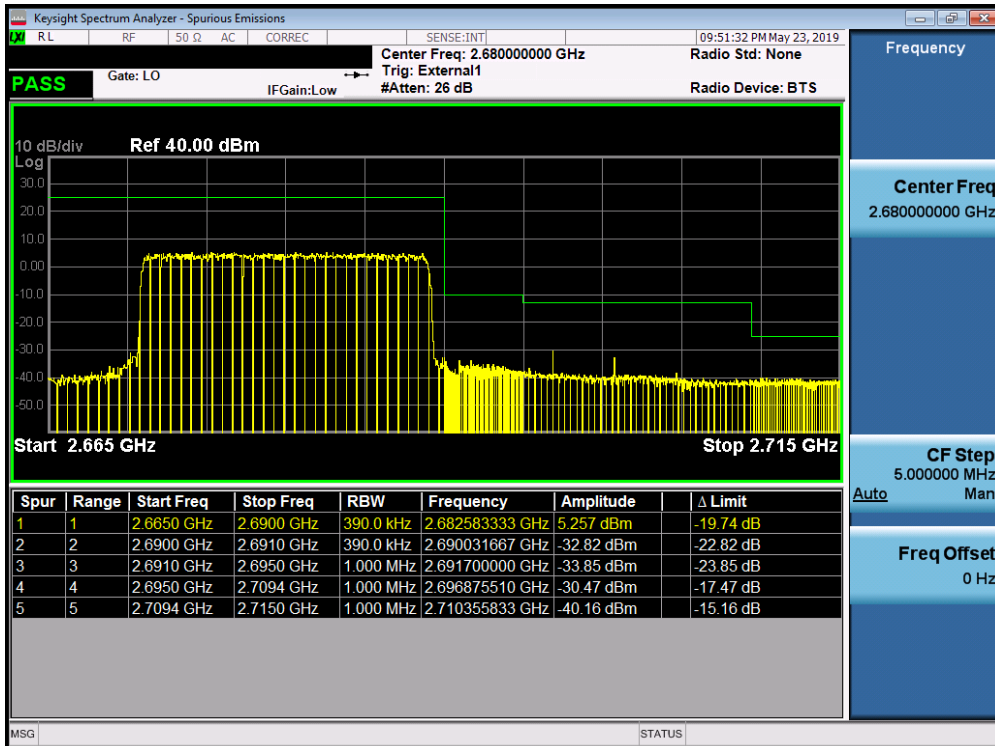


Plot 7-373. Upper ACP Plot (Band 41/38 (PC3)- 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 212 of 348



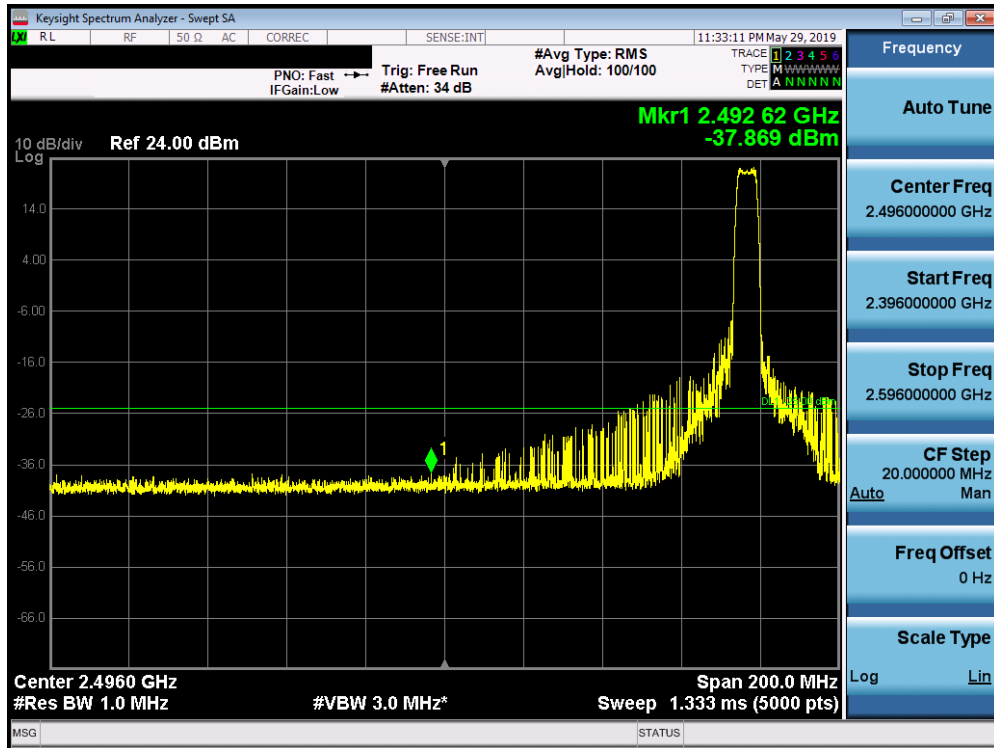
Plot 7-374. Lower ACP Plot (Band 41/38 (PC3)- 20.0MHz QPSK - Full RB Configuration)



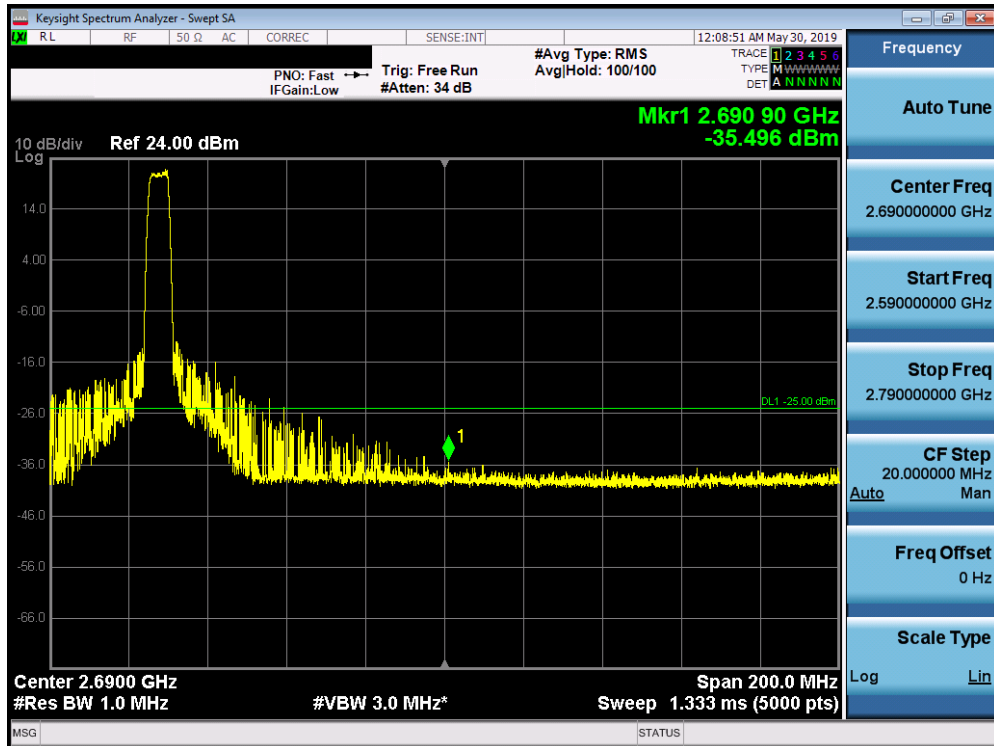
Plot 7-375. Upper ACP Plot (Band 41/38 (PC3)- 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 213 of 348

Band 38

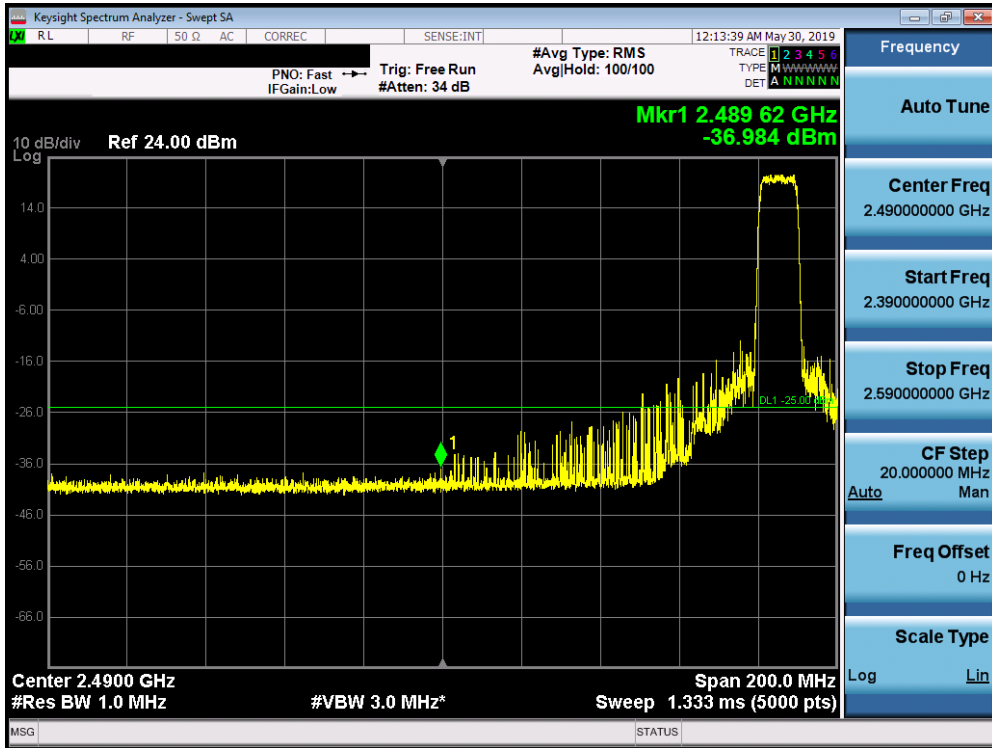


Plot 7-376. Lower ACP Plot (Band 38 - 5.0MHz QPSK - Full RB Configuration)

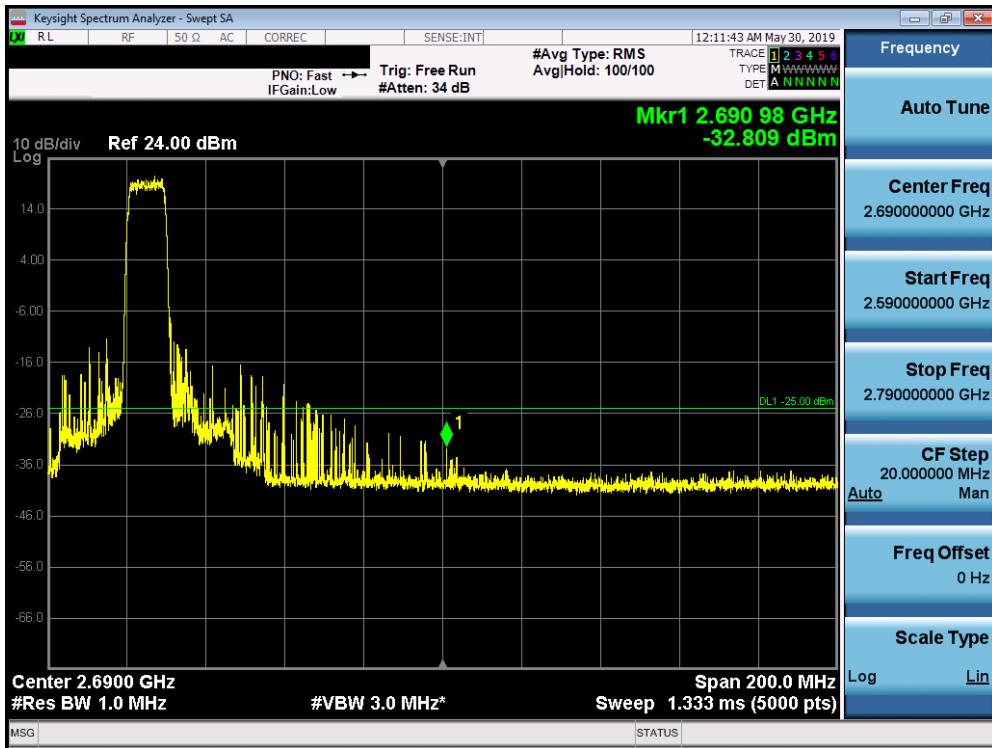


Plot 7-377. Upper ACP Plot (Band 38 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 214 of 348

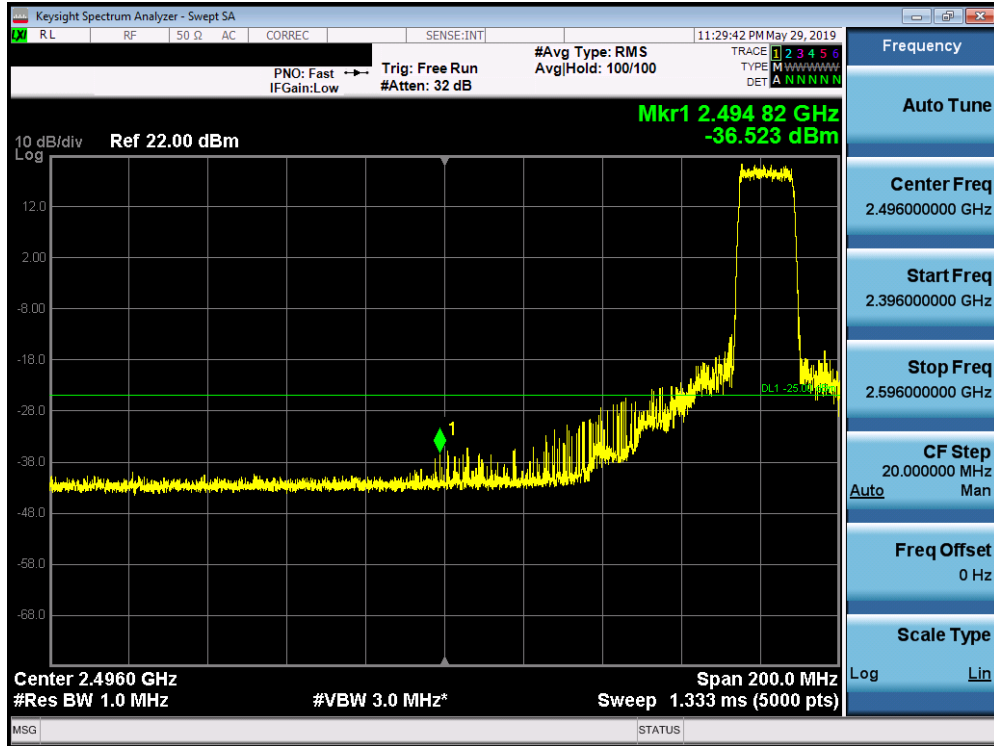


Plot 7-378. Lower ACP Plot (Band 38 - 10.0MHz QPSK - Full RB Configuration)

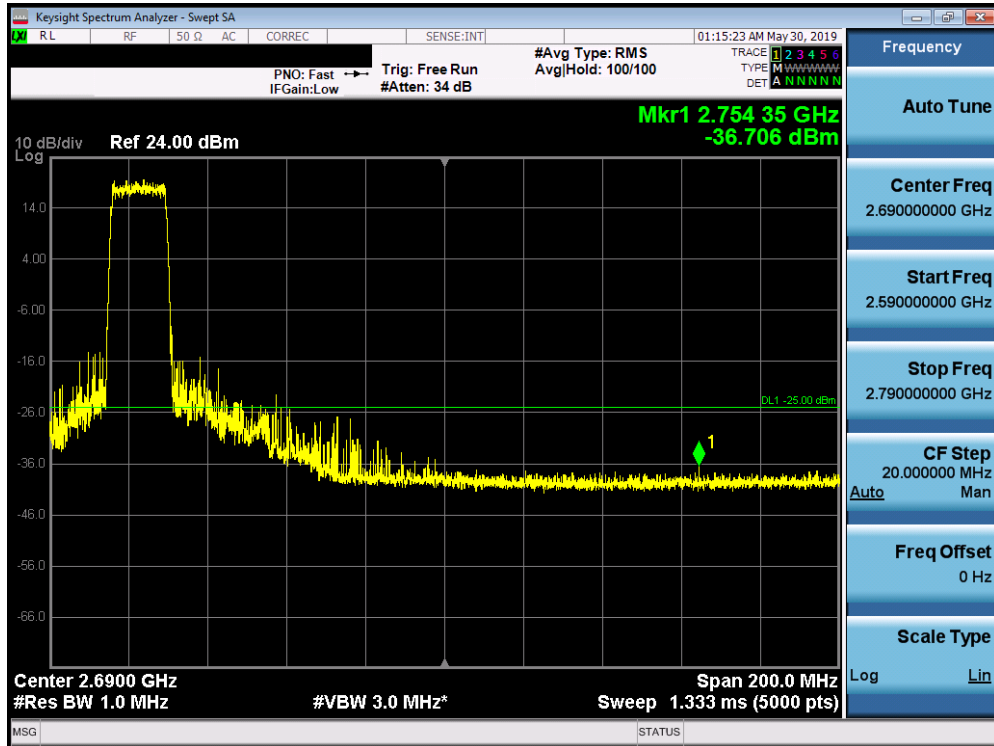


Plot 7-379. Upper ACP Plot (Band 38 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 215 of 348

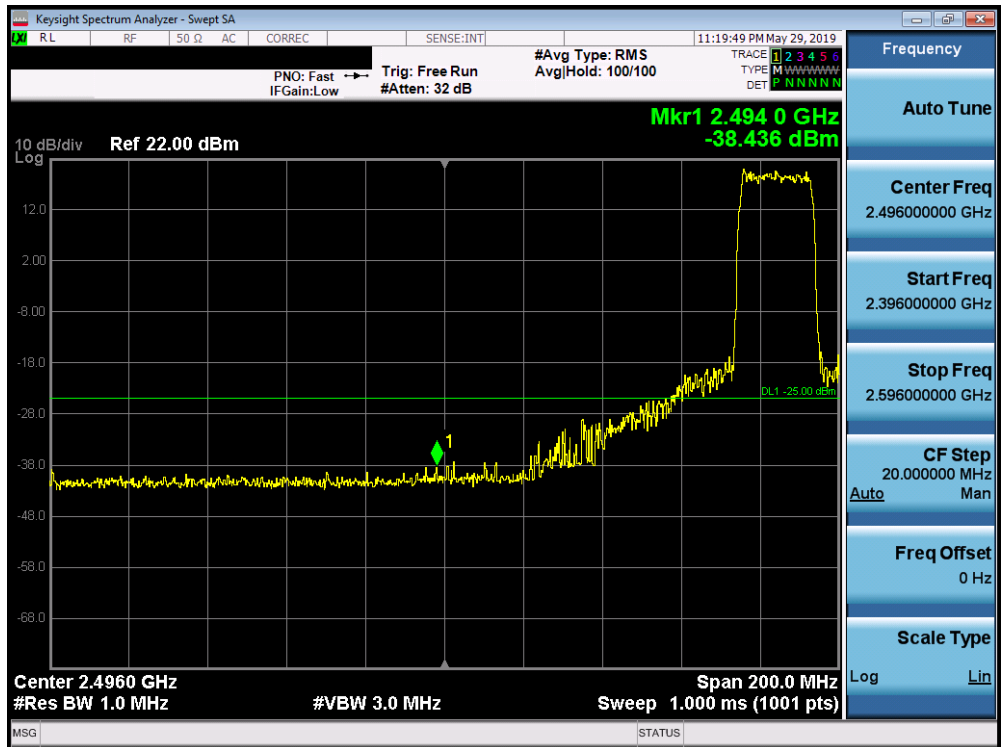


Plot 7-380. Lower ACP Plot (Band 38 - 15.0MHz QPSK - Full RB Configuration)

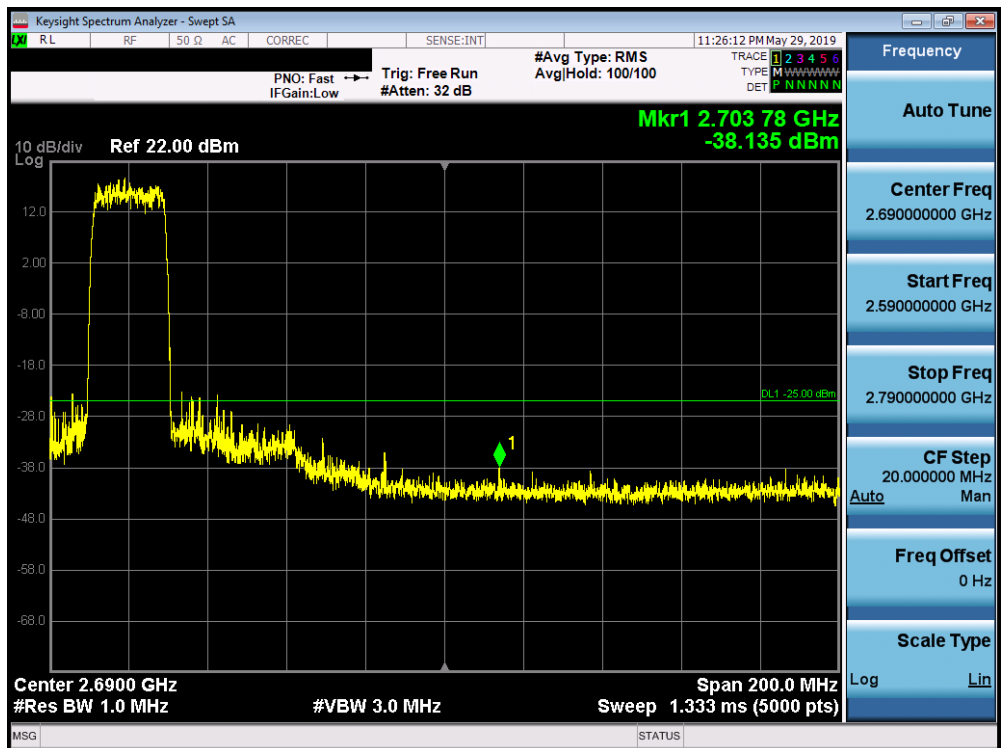


Plot 7-381. Upper ACP Plot (Band 38 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 216 of 348



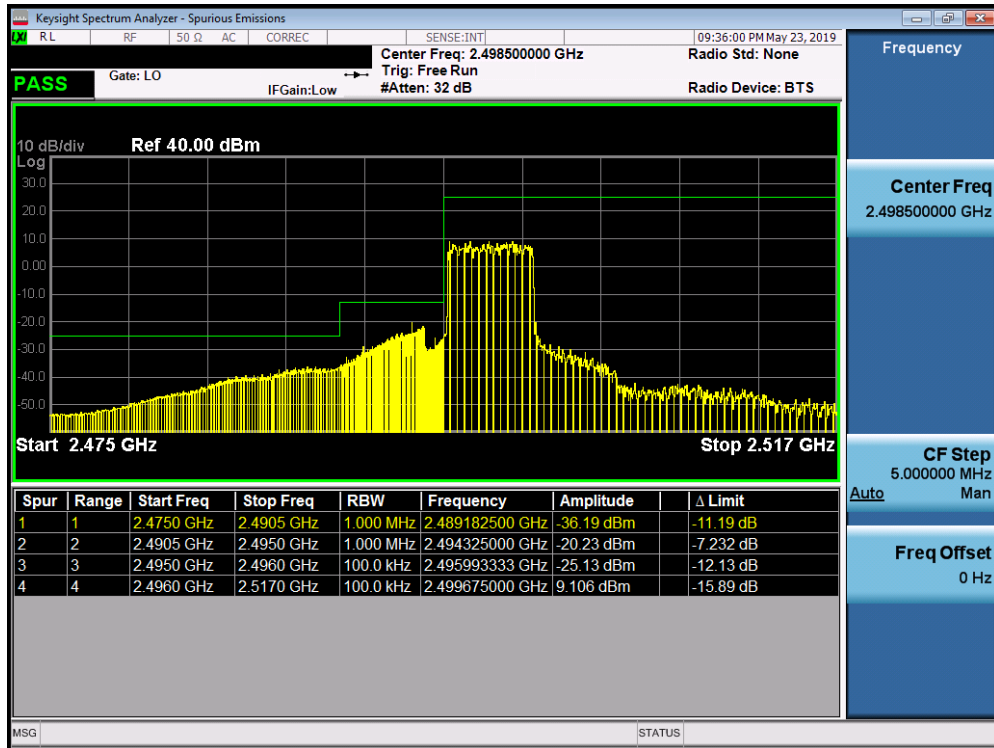
Plot 7-382. Lower ACP Plot (Band 38 - 20.0MHz QPSK - Full RB Configuration)



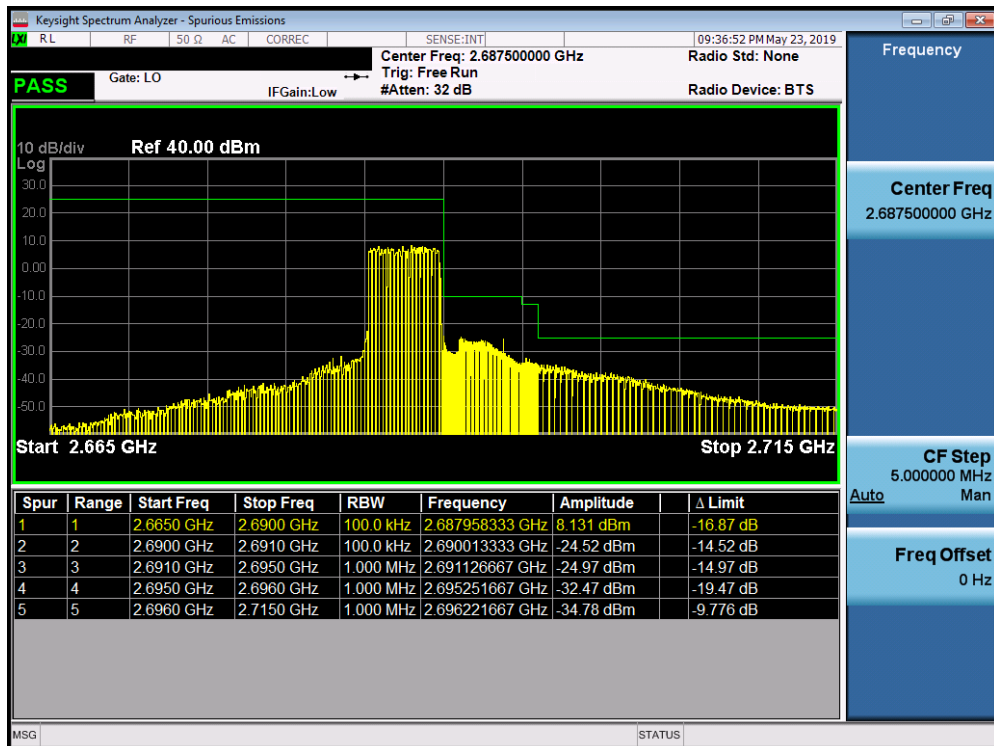
Plot 7-383. Upper ACP Plot (Band 38 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 217 of 348

Band 41 (PC2)

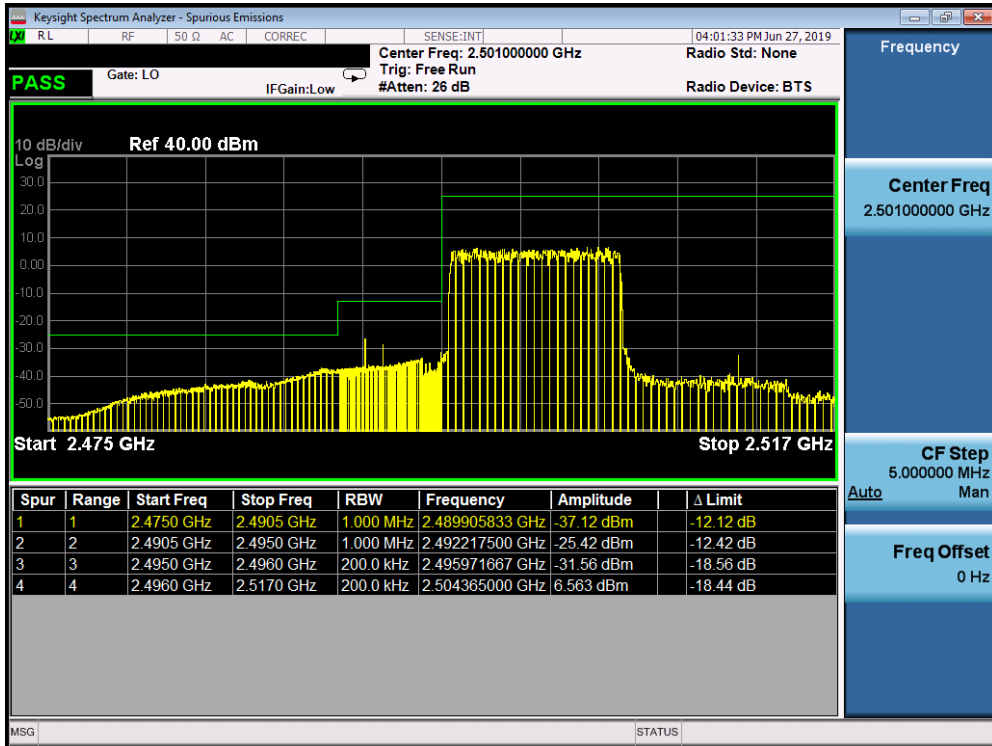


Plot 7-384. Lower ACP Plot (Band 41 (PC2)- 5.0MHz QPSK - Full RB Configuration)

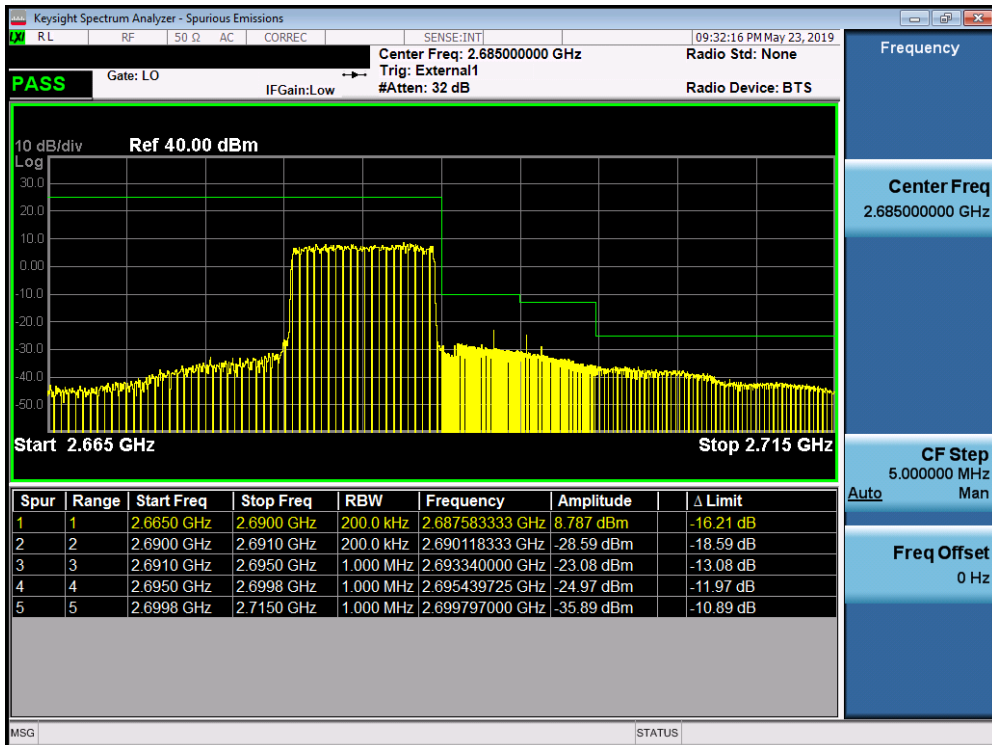


Plot 7-385. Upper ACP Plot (Band 41 (PC2)- 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 218 of 348

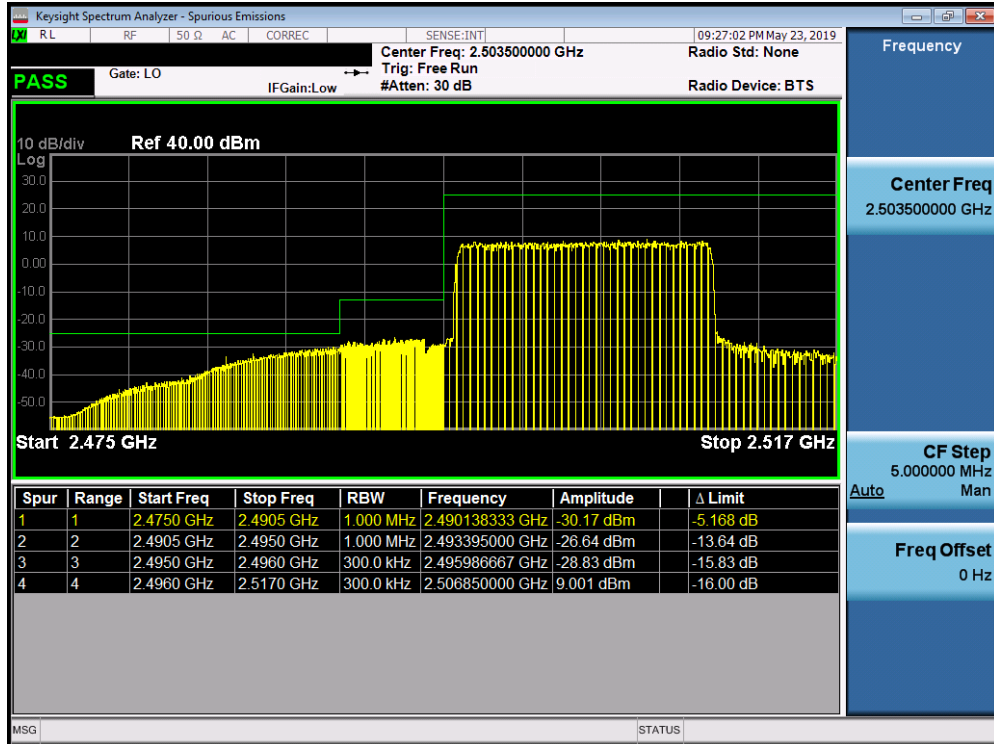


Plot 7-386. Lower ACP Plot (Band 41 (PC2)- 10.0MHz QPSK - Full RB Configuration)

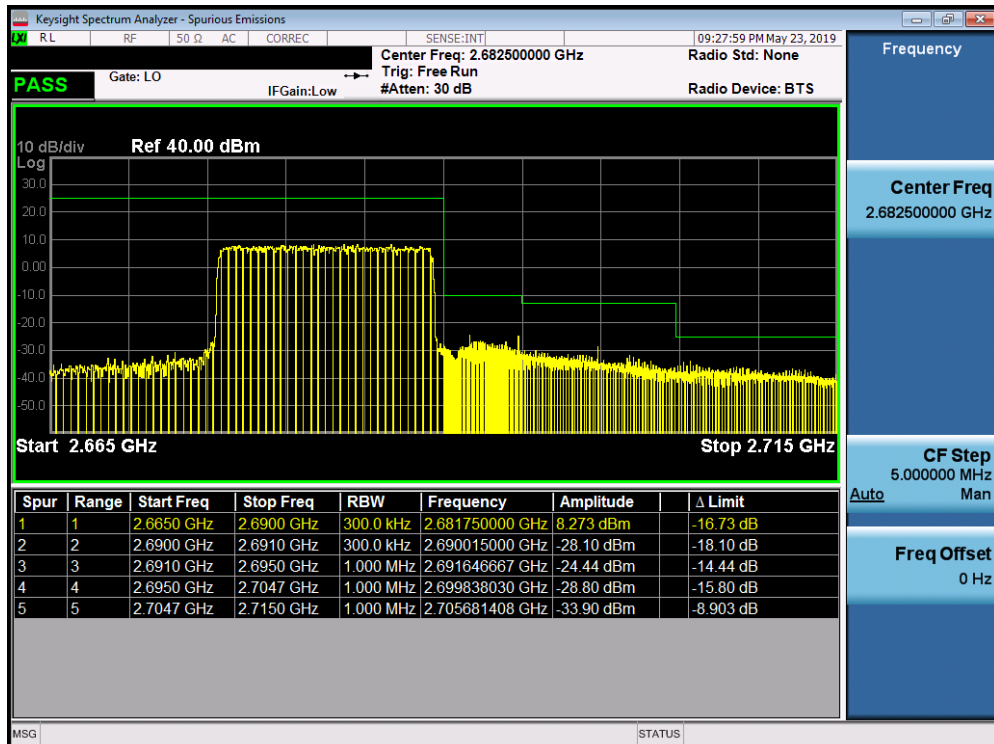


Plot 7-387. Upper ACP Plot (Band 41 (PC2)- 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 219 of 348

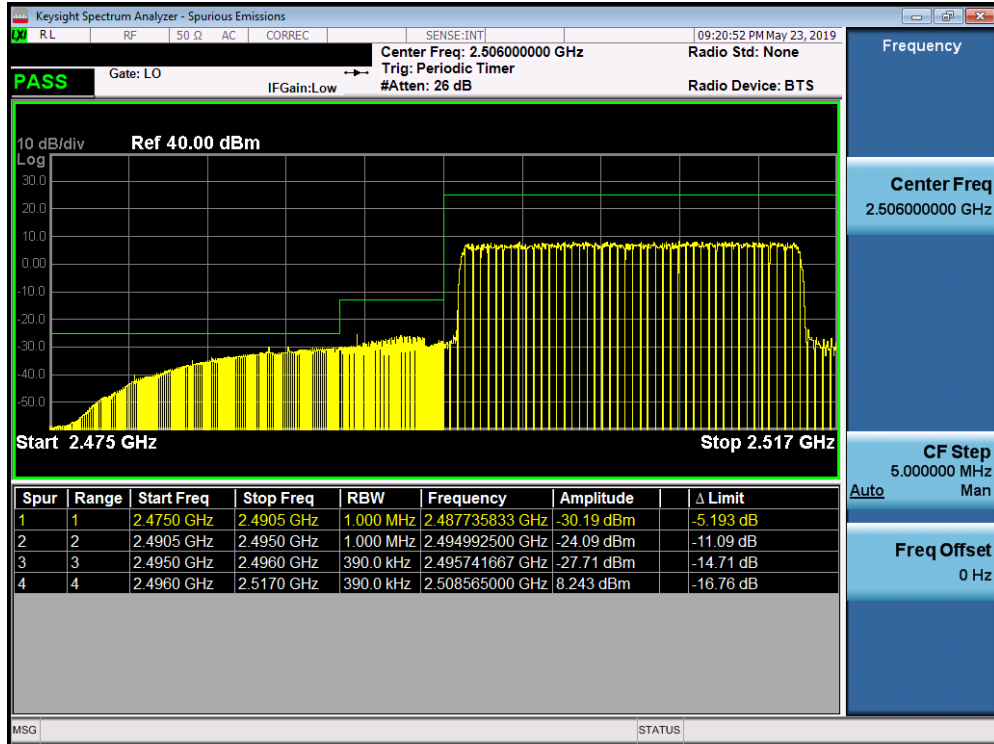


Plot 7-388. Lower ACP Plot (Band 41 (PC2)- 15.0MHz QPSK - Full RB Configuration)

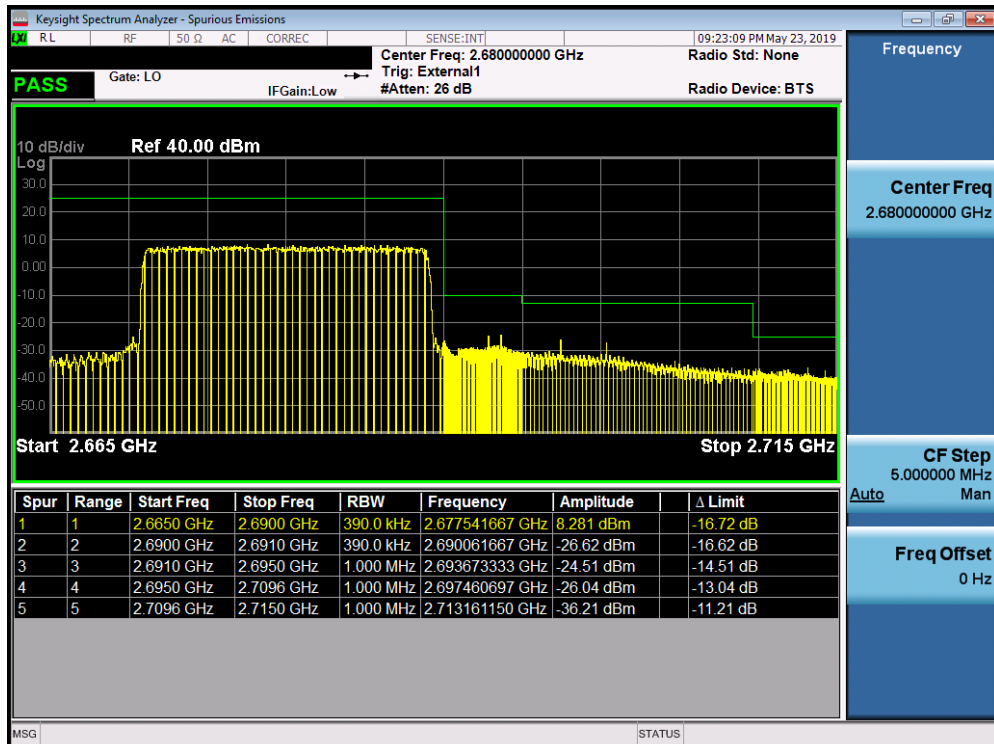


Plot 7-389. Upper ACP Plot (Band 41 (PC2)- 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 220 of 348



Plot 7-390. Lower ACP Plot (Band 41 (PC2)- 20.0MHz QPSK - Full RB Configuration)



Plot 7-391. Upper ACP Plot (Band 41 (PC2)- 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 221 of 348

7.5 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 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.

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 \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.



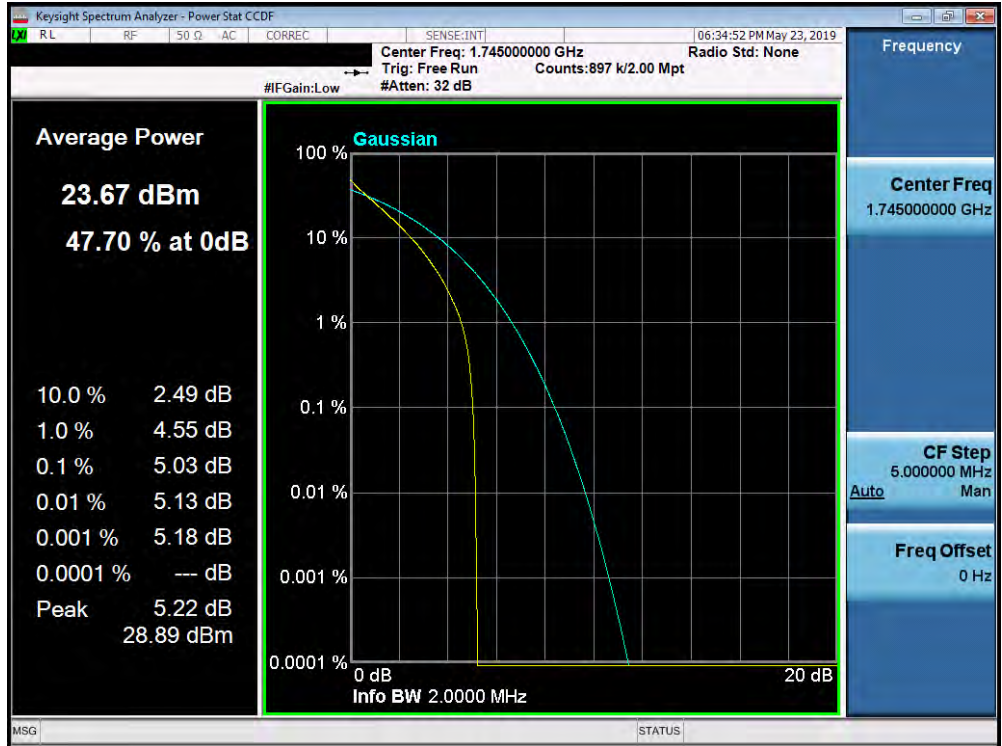
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

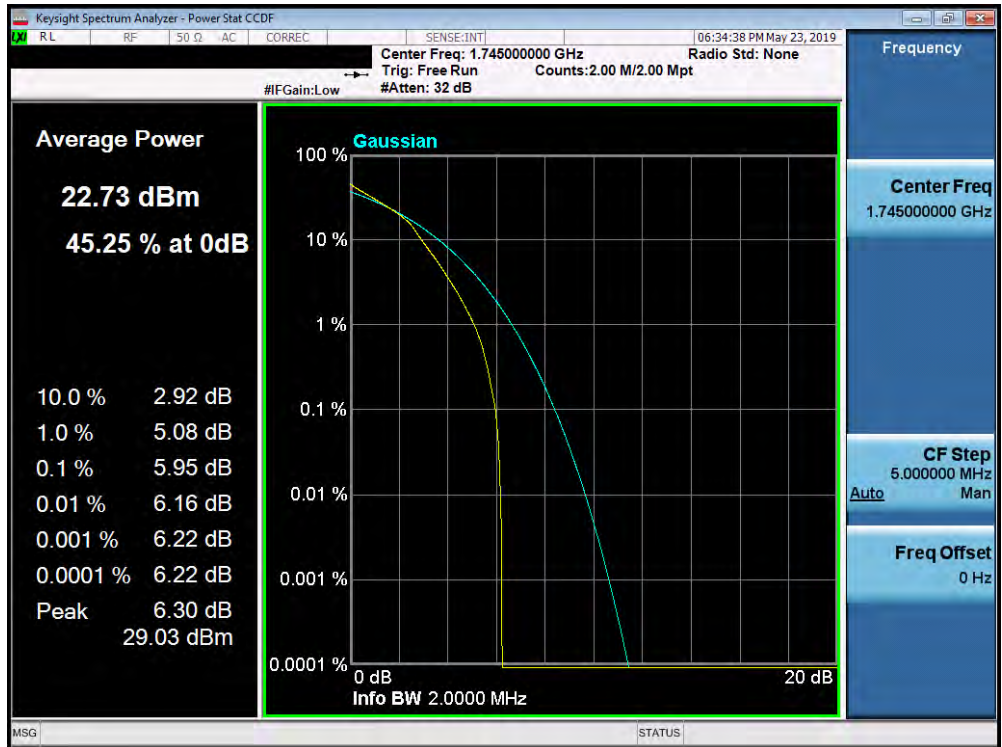
None.

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 222 of 348

Band 66/4

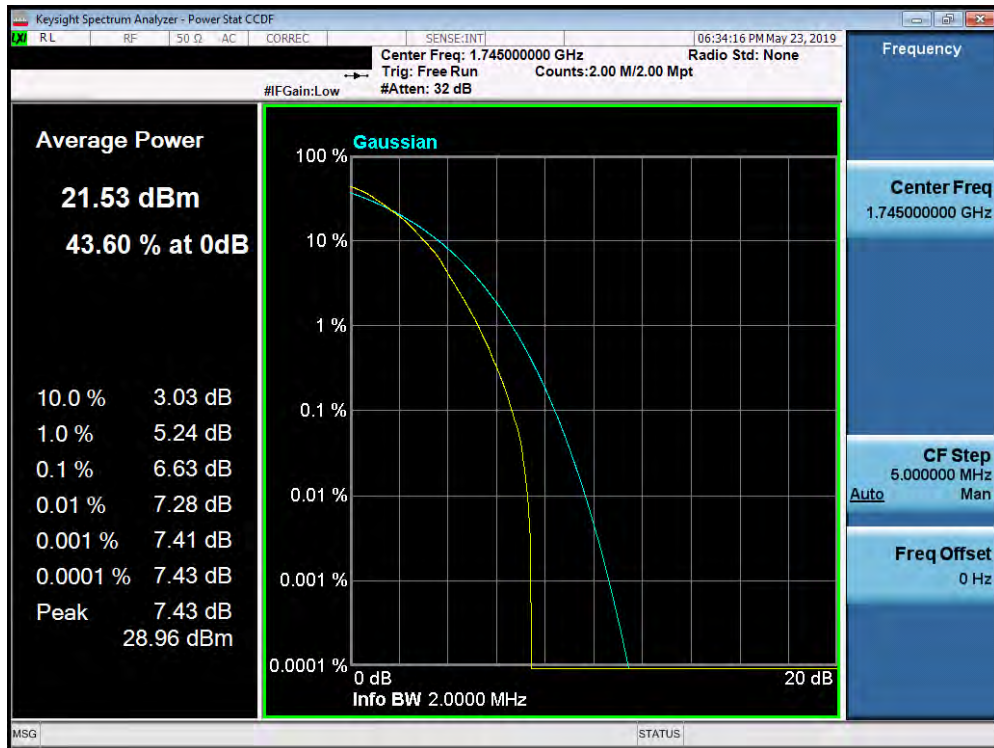


Plot 7-392. PAR Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

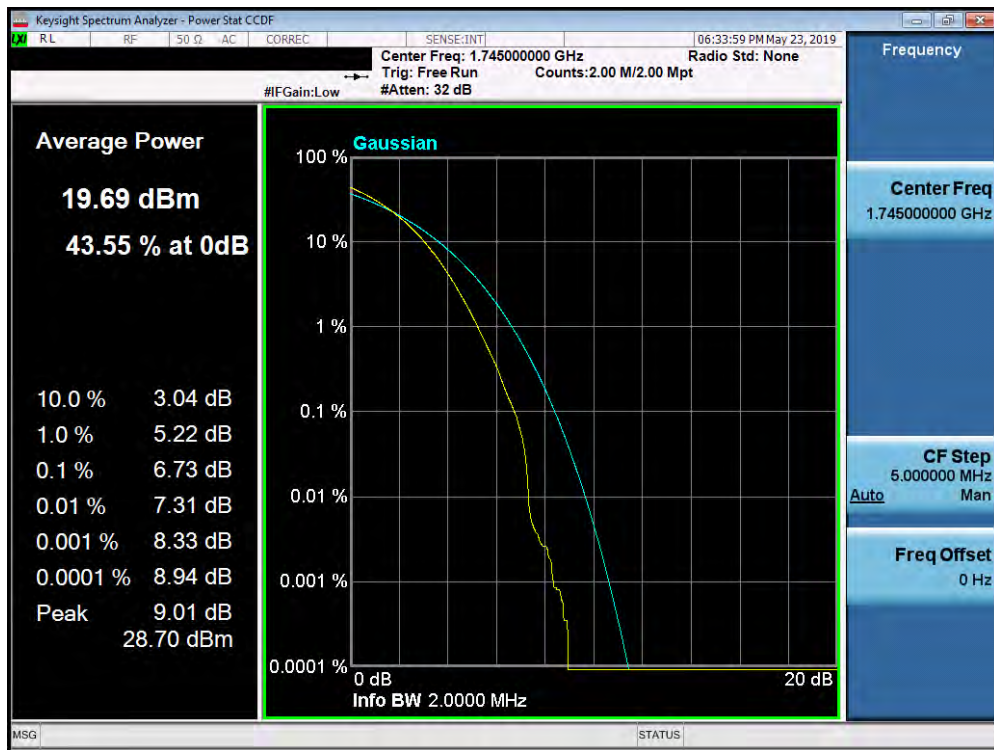


Plot 7-393. PAR Plot (Band 66/4 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 223 of 348

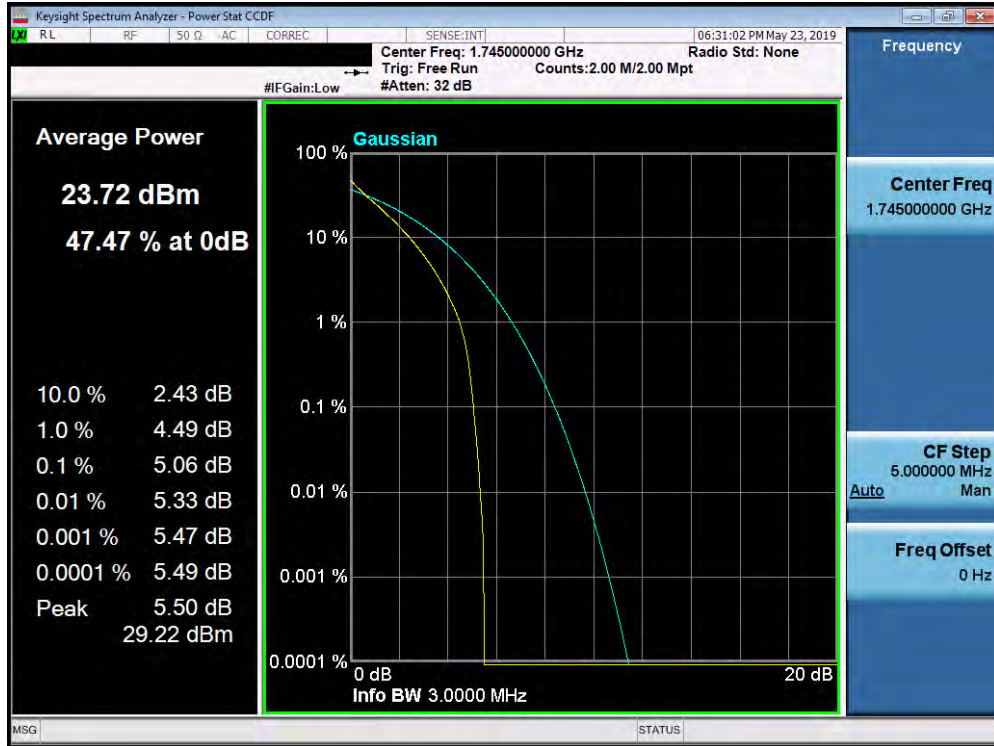


Plot 7-394. PAR Plot (Band 66/4 - 1.4MHz 64-QAM - Full RB Configuration)

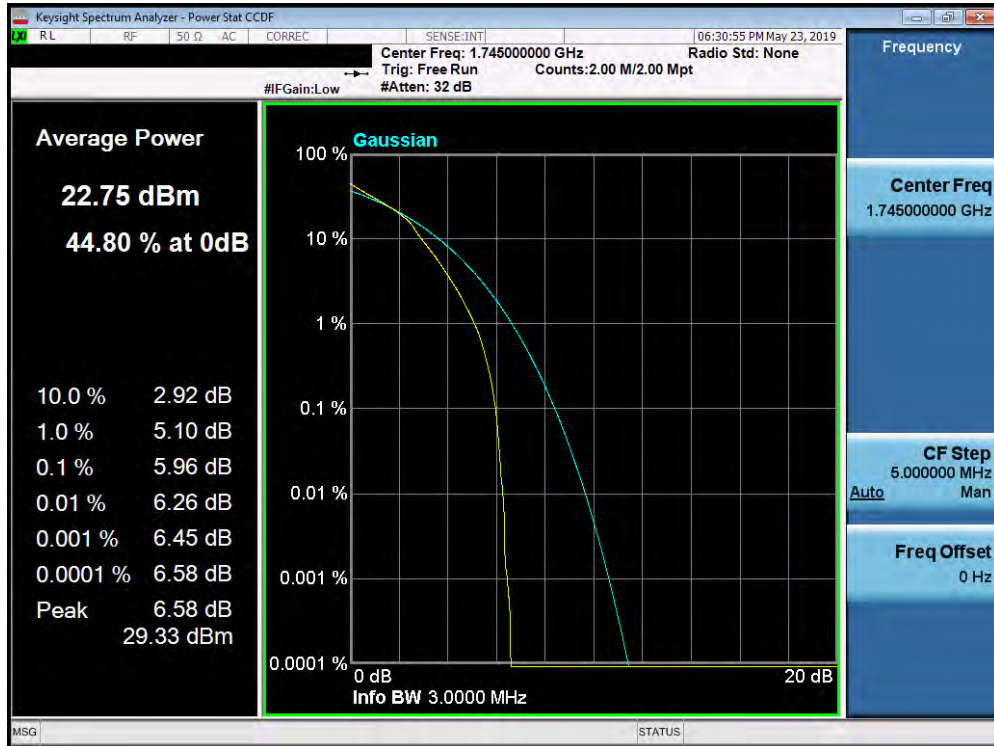


Plot 7-395. PAR Plot (Band 66/4 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 224 of 348

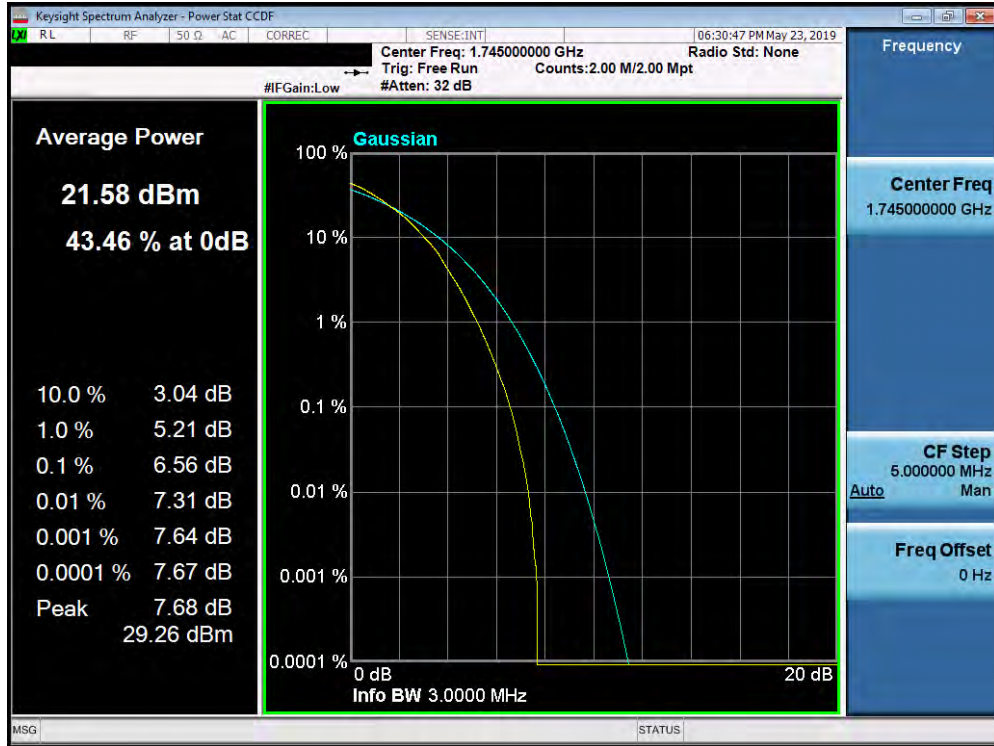


Plot 7-396. PAR Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

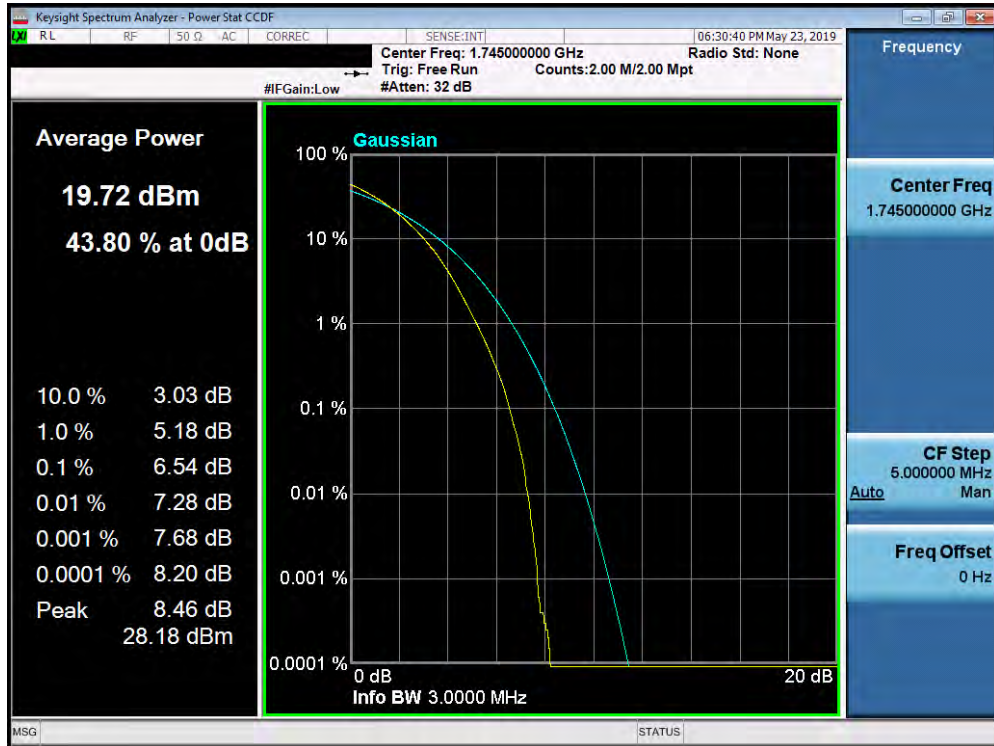


Plot 7-397. PAR Plot (Band 66/4 - 3.0MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 225 of 348

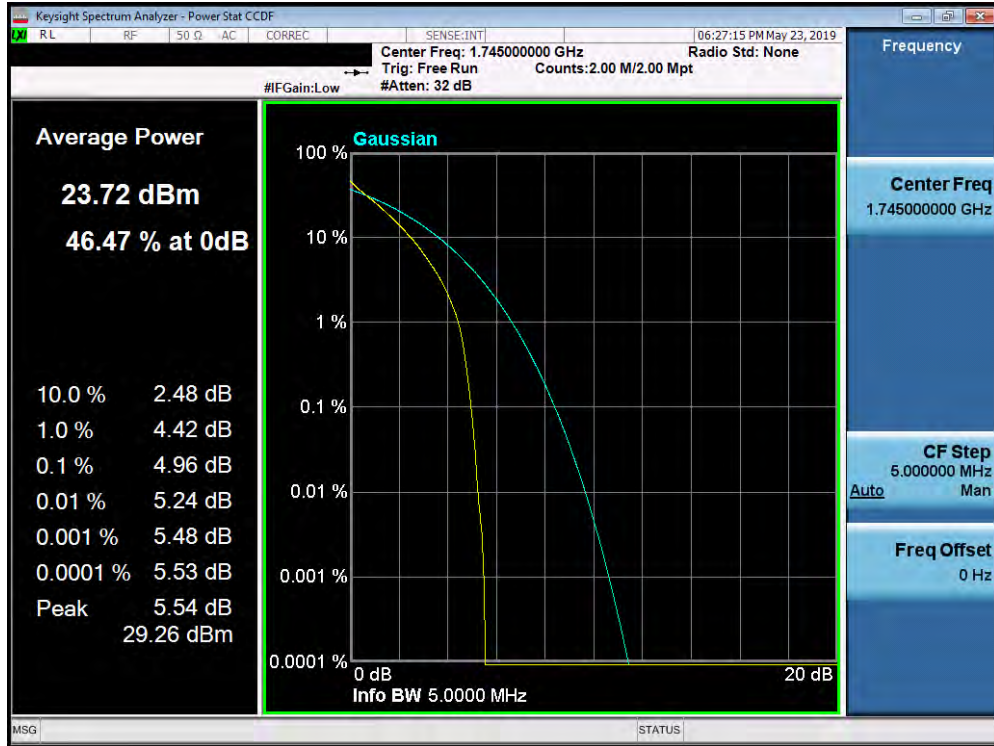


Plot 7-398. PAR Plot (Band 66/4 - 3.0MHz 64-QAM - Full RB Configuration)

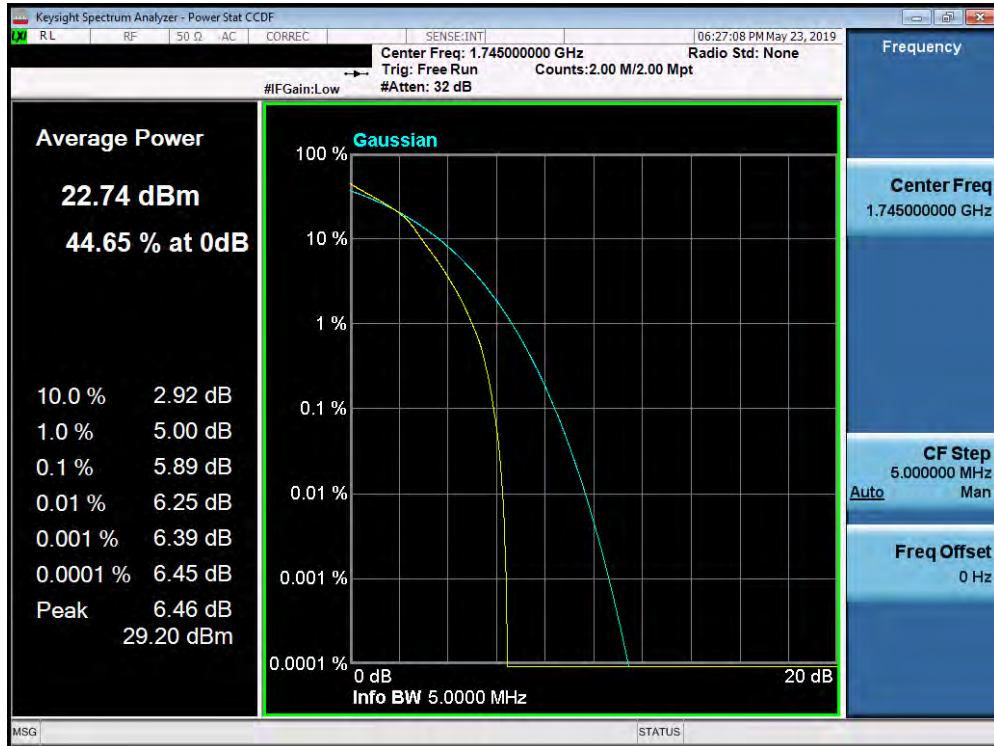


Plot 7-399. PAR Plot (Band 66/4 - 3.0MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 226 of 348

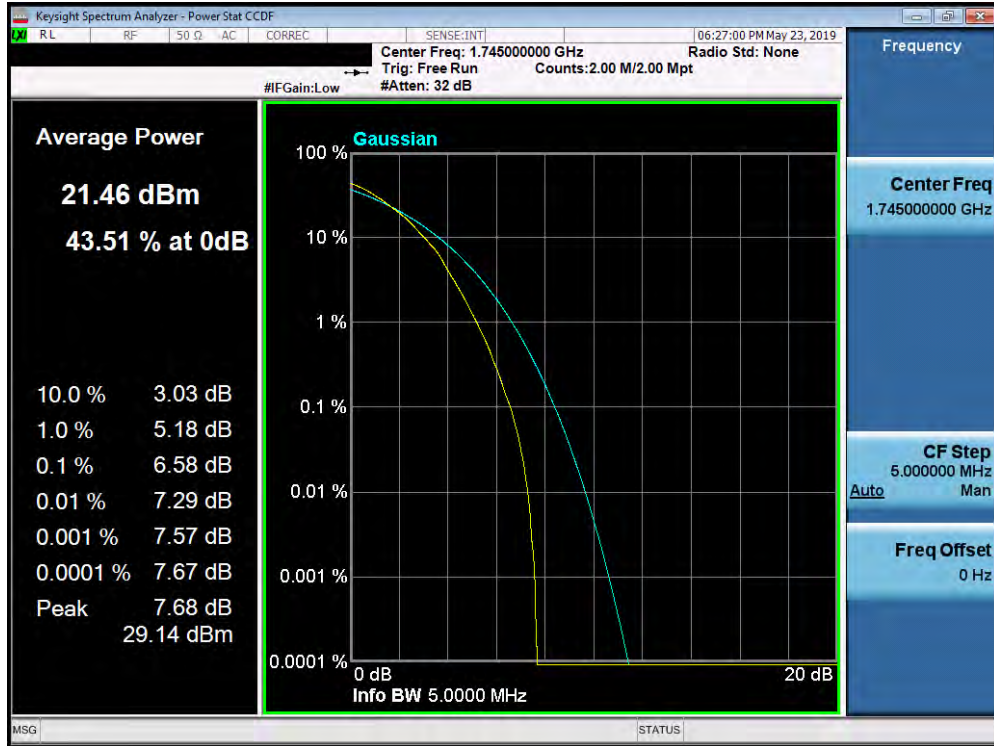


Plot 7-400. PAR Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

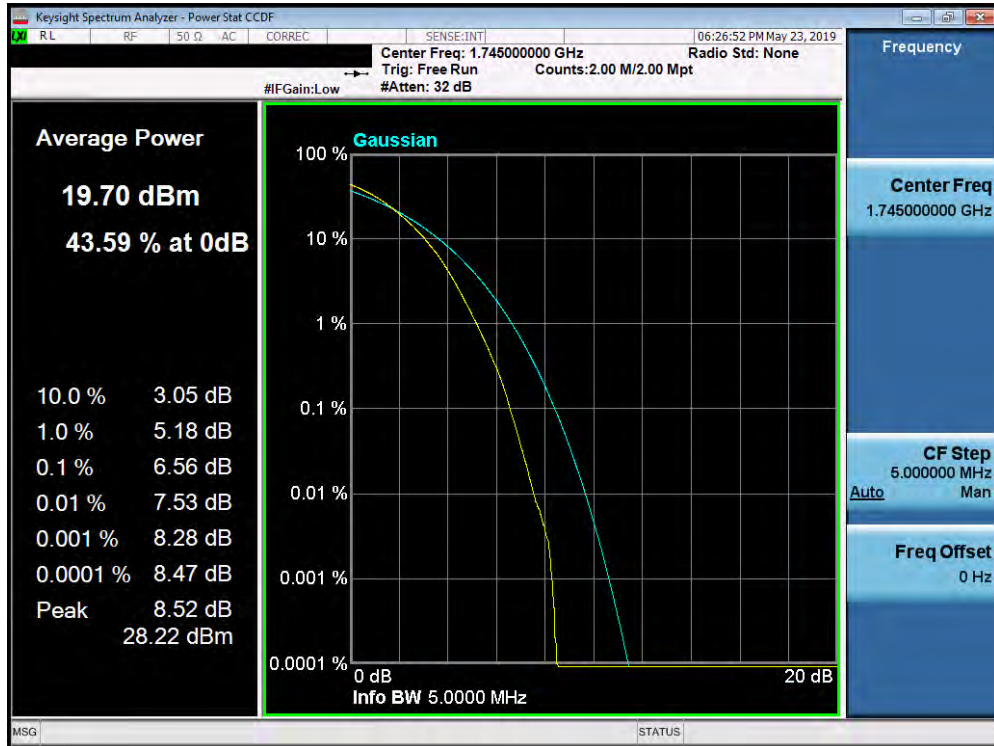


Plot 7-401. PAR Plot (Band 66/4 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 227 of 348

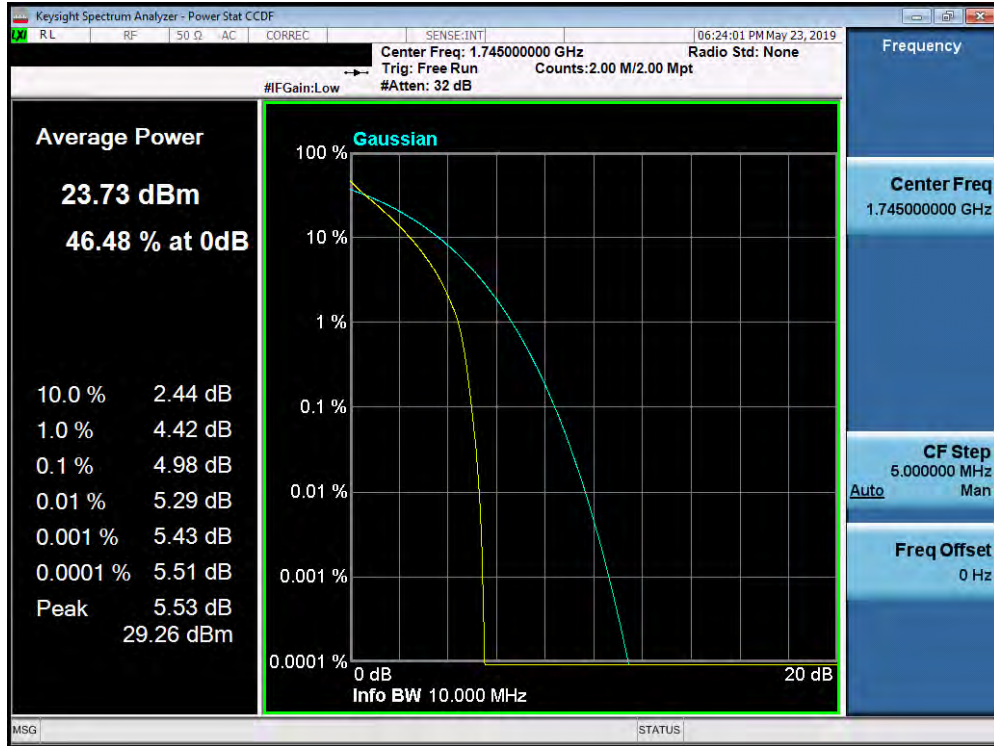


Plot 7-402. PAR Plot (Band 66/4 - 5.0MHz 64-QAM - Full RB Configuration)

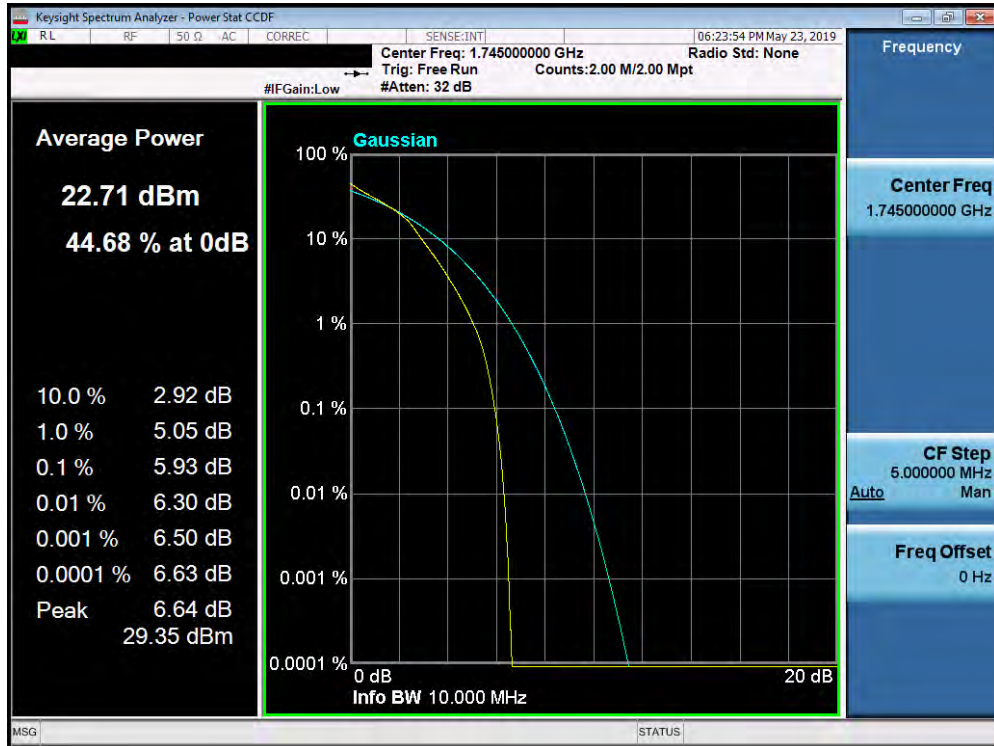


Plot 7-403. PAR Plot (Band 66/4 - 5.0MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 228 of 348

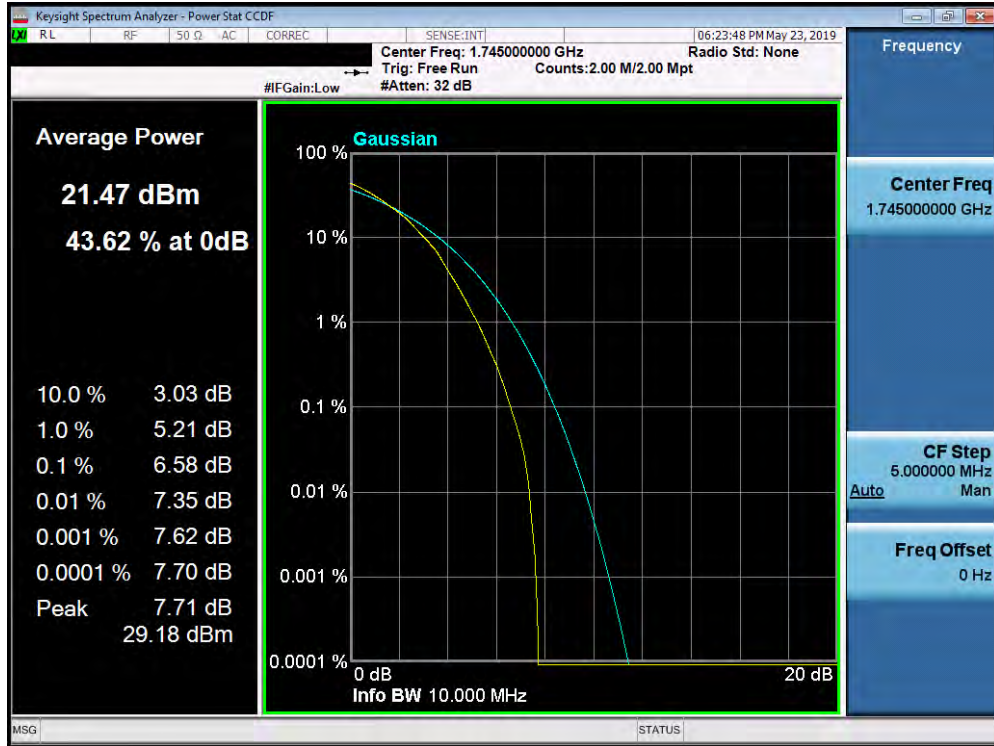


Plot 7-404. PAR Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

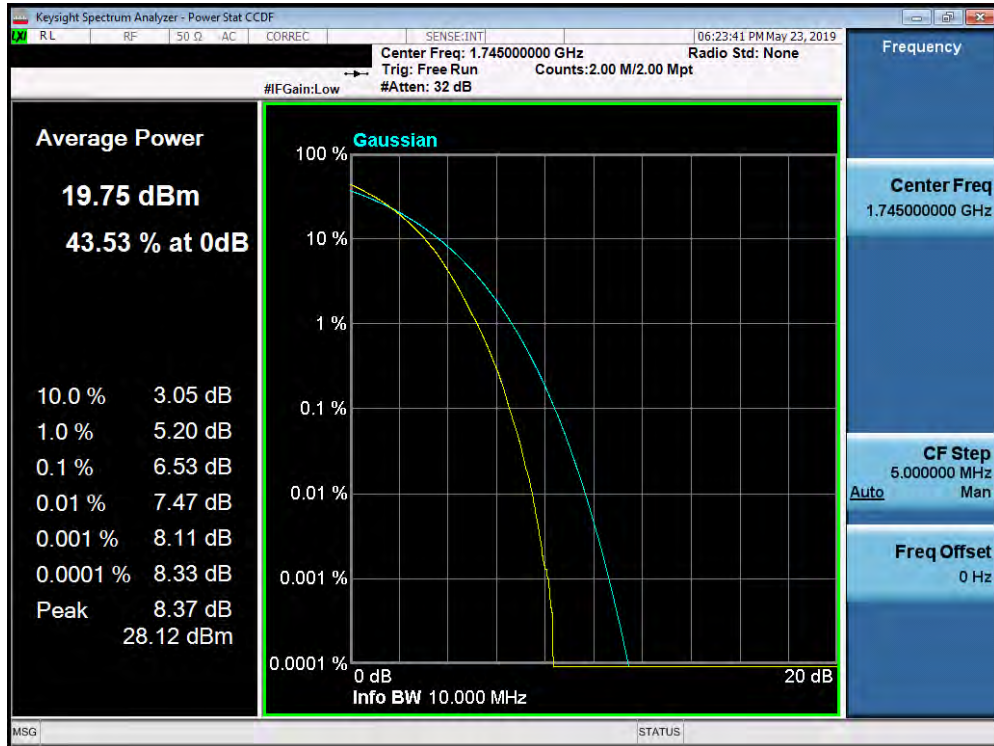


Plot 7-405. PAR Plot (Band 66/4 - 10.0MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 229 of 348

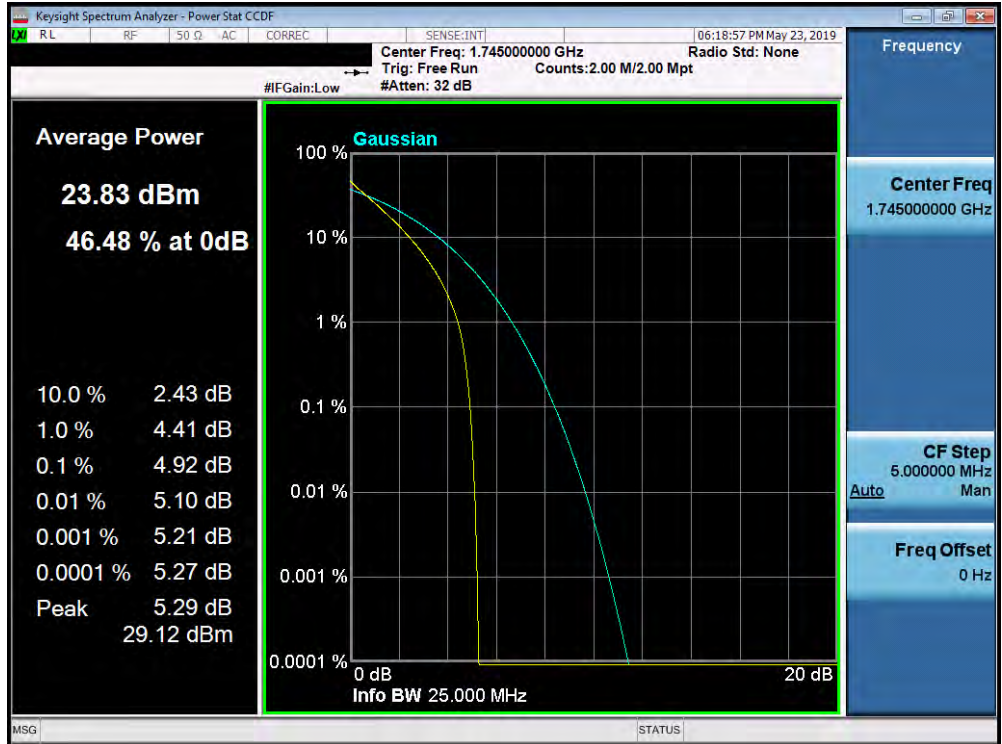


Plot 7-406. PAR Plot (Band 66/4 - 10.0MHz 64-QAM - Full RB Configuration)

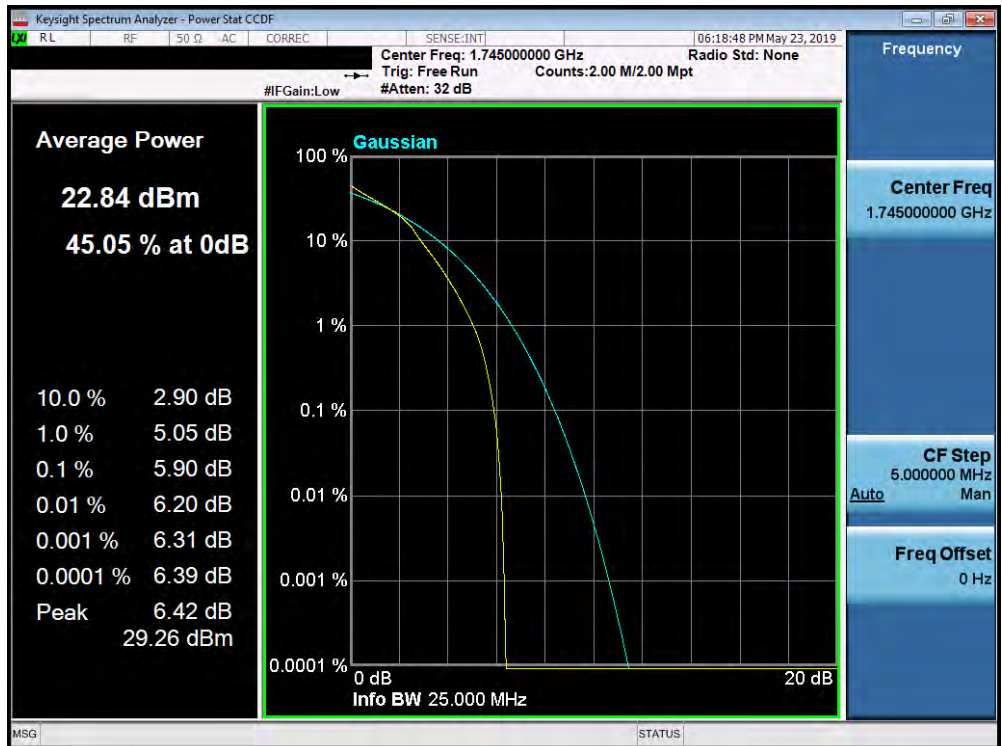


Plot 7-407. PAR Plot (Band 66/4 - 10.0MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 230 of 348

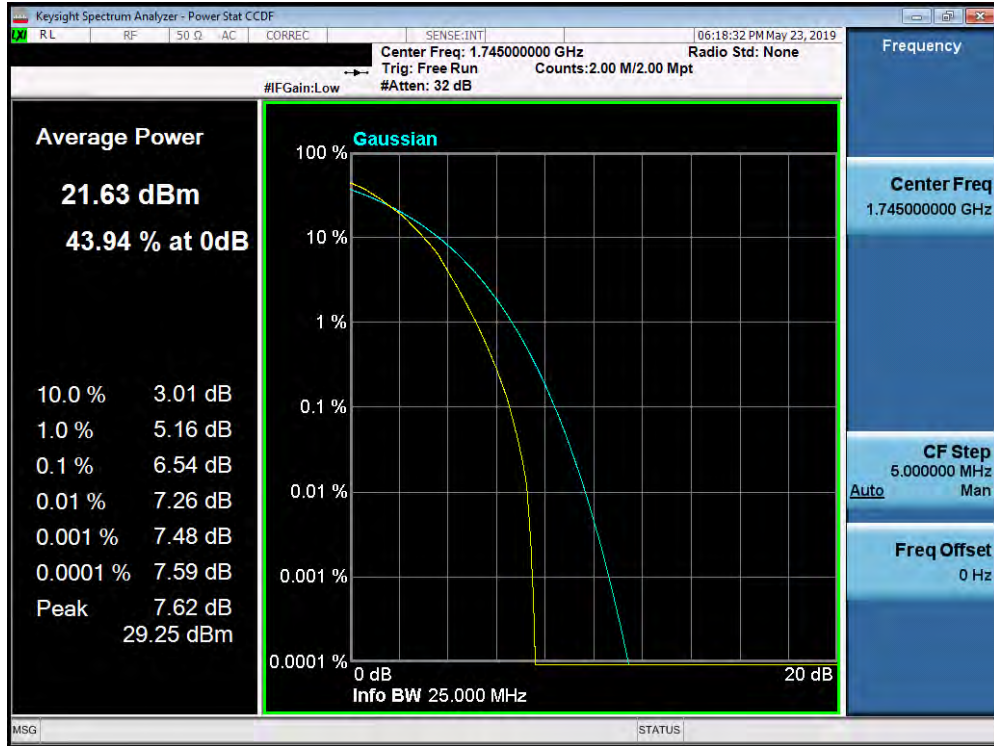


Plot 7-408. PAR Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

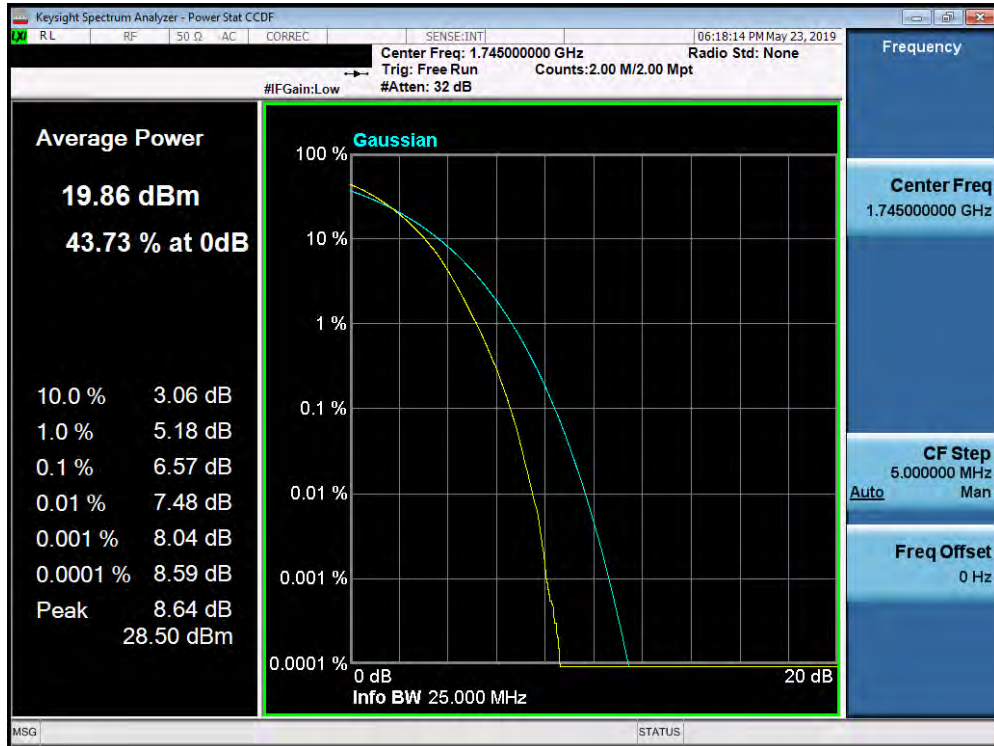


Plot 7-409. PAR Plot (Band 66/4 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 231 of 348



Plot 7-410. PAR Plot (Band 66/4 - 15.0MHz 64-QAM - Full RB Configuration)



Plot 7-411. PAR Plot (Band 66/4 - 15.0MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMN975U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1905200079-03.A3L	Test Dates: 05/20 - 07/05/2019	EUT Type: Portable Handset		Page 232 of 348