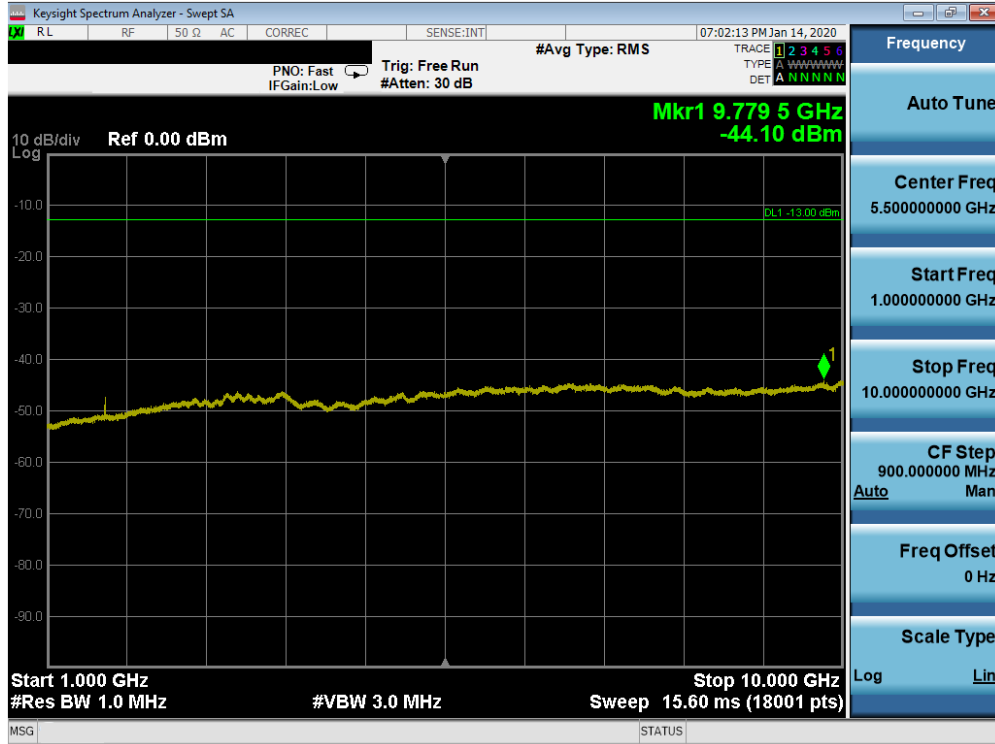


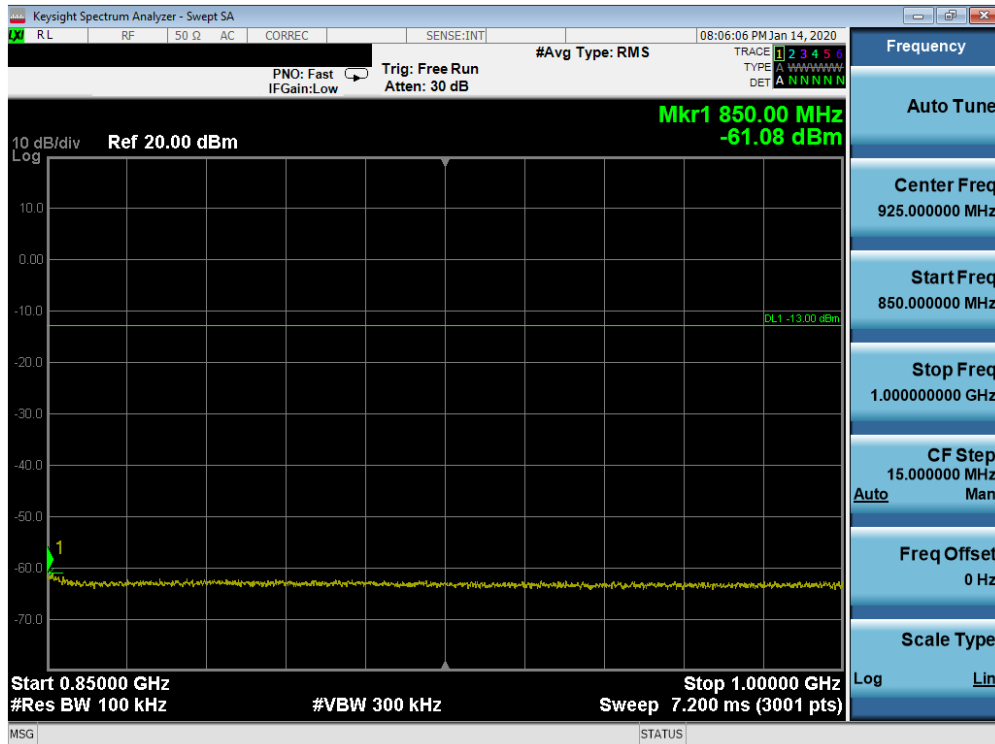


Plot 7-341. Conducted Spurious Plot (n5 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

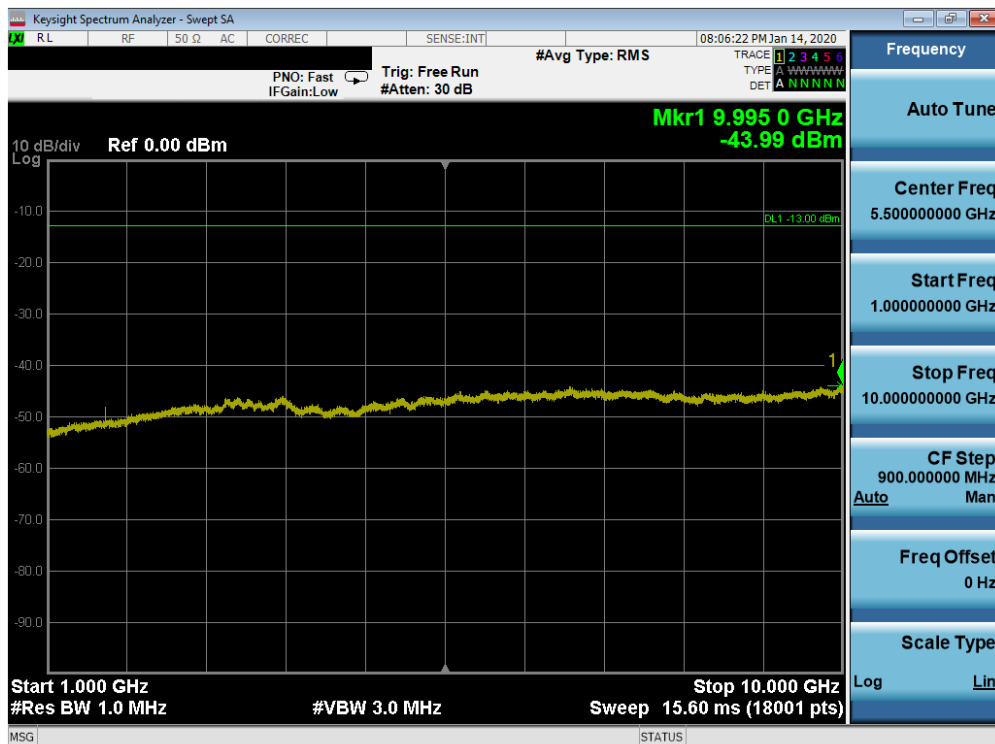


Plot 7-342. Conducted Spurious Plot (n5 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 234 of 302



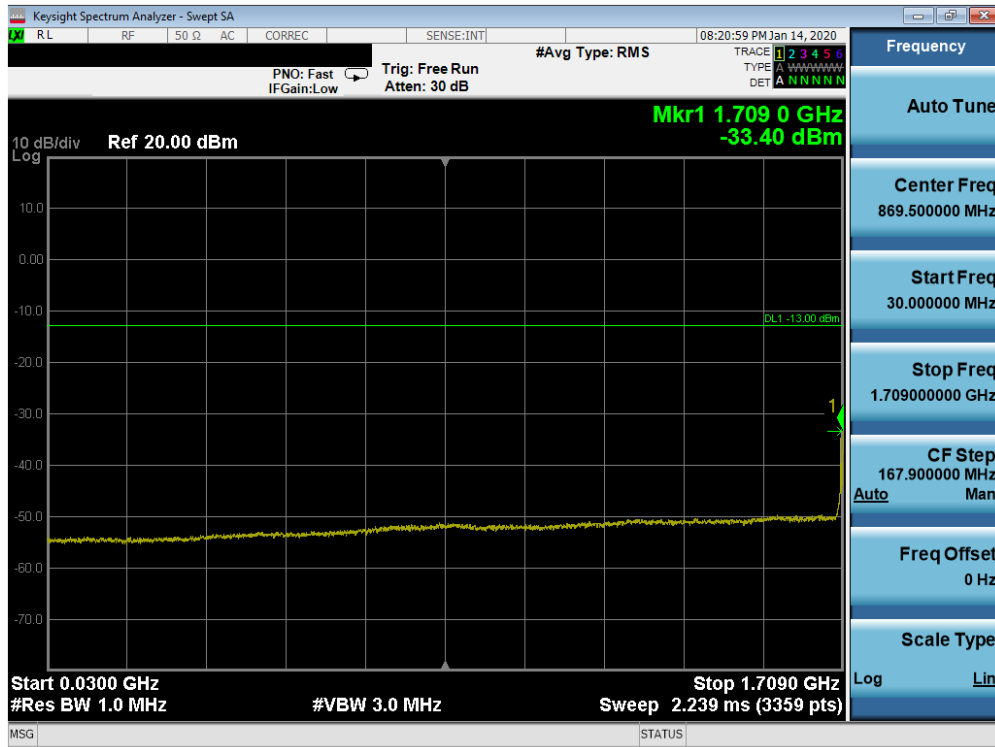
Plot 7-343. Conducted Spurious Plot (n5 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



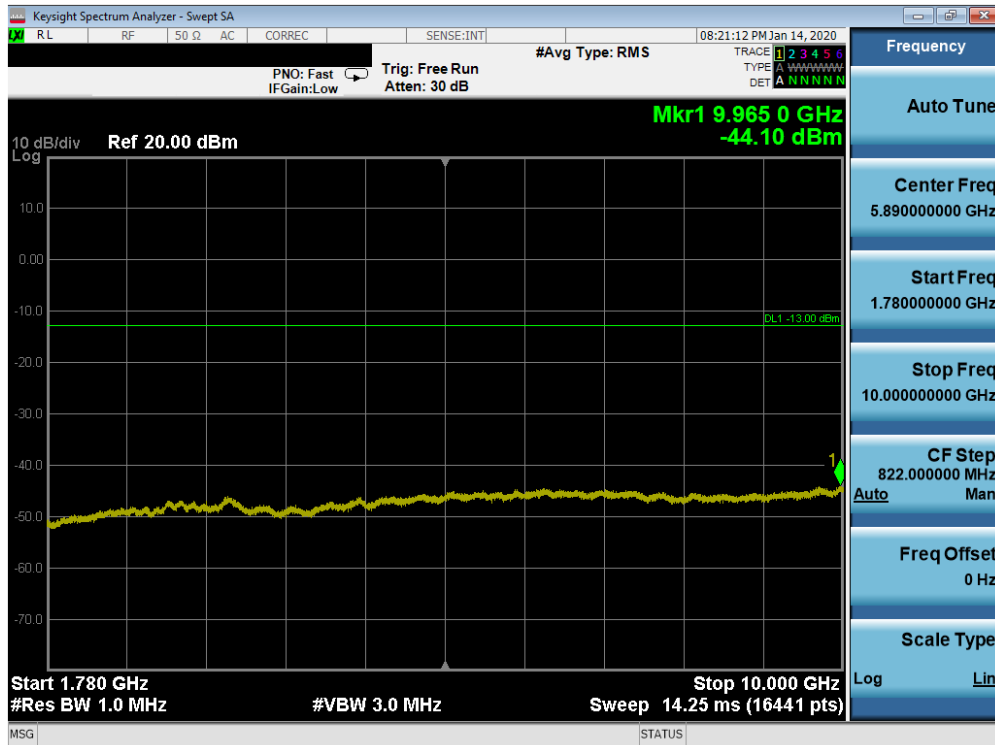
Plot 7-344. Conducted Spurious Plot (n5 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 235 of 302

NR Band n66

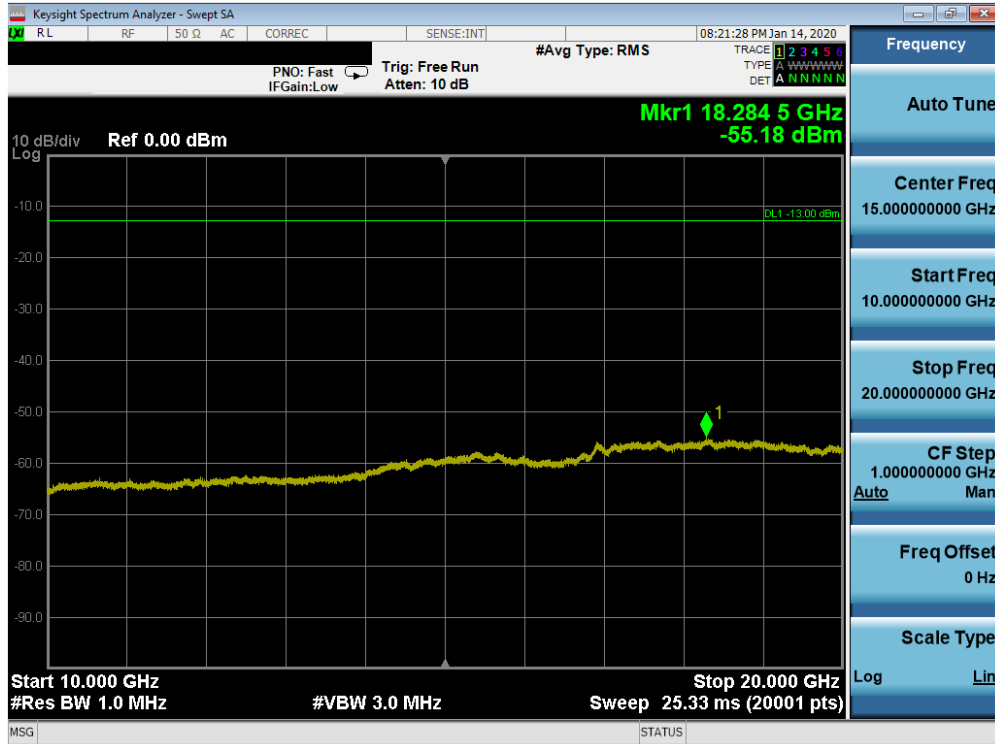


Plot 7-345. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

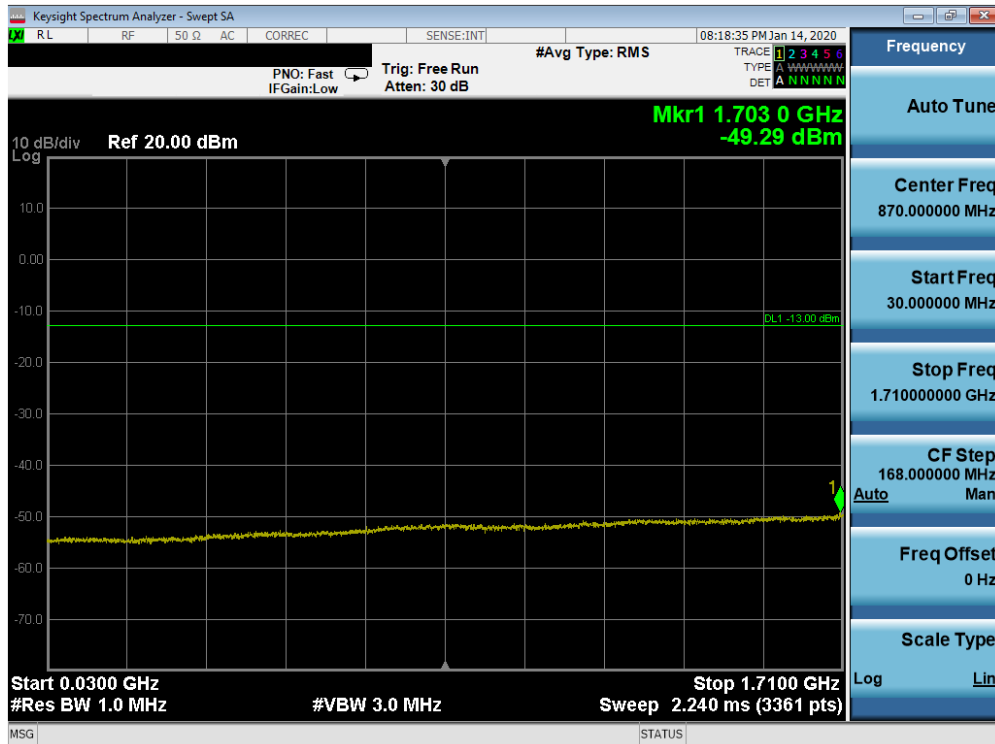


Plot 7-346. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 236 of 302

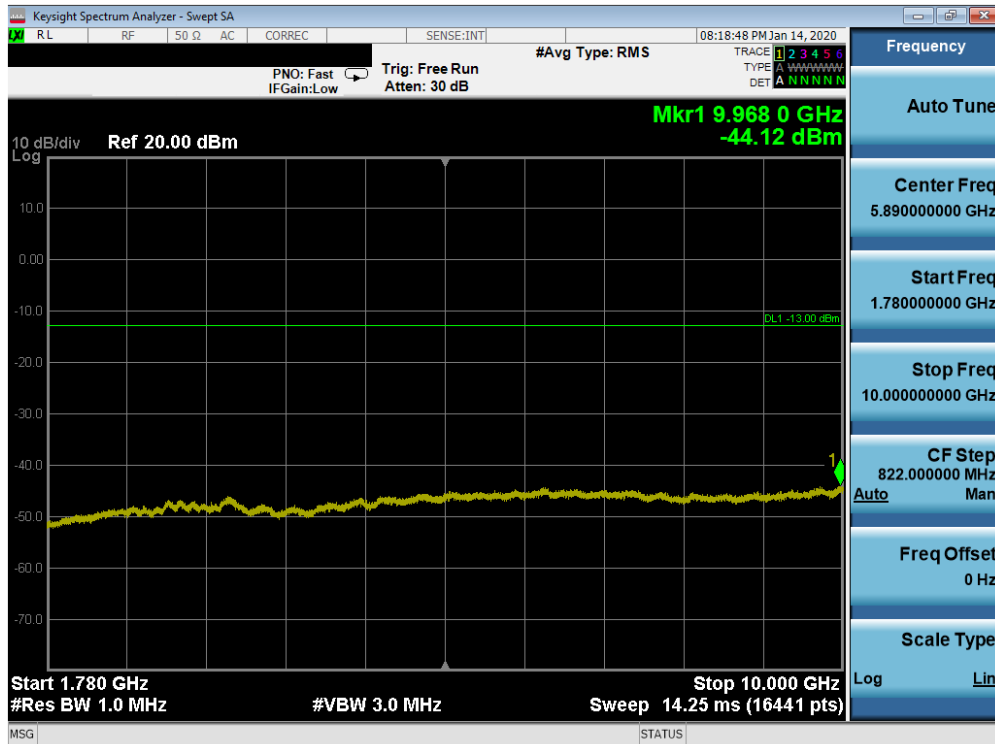


Plot 7-347. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

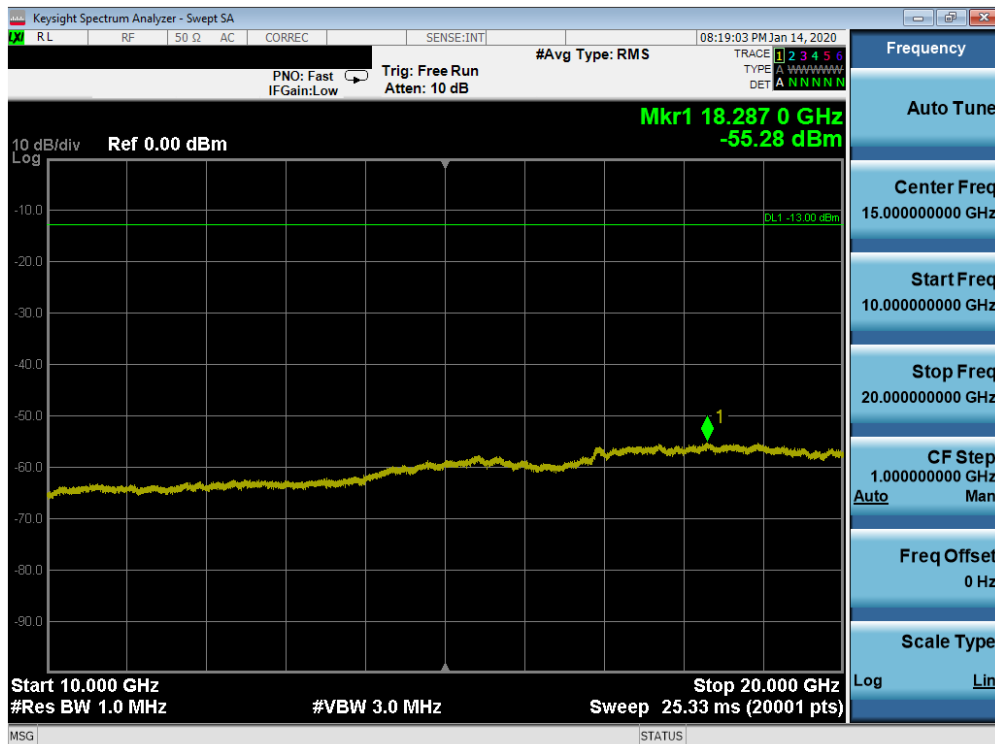


Plot 7-348. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 237 of 302

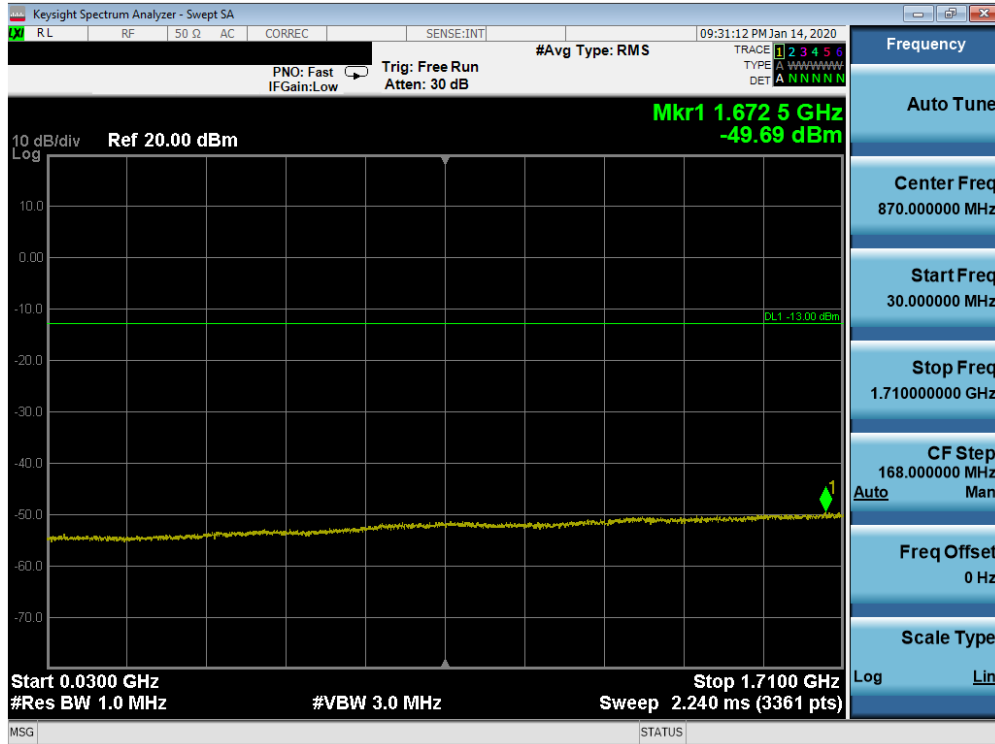


Plot 7-349. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

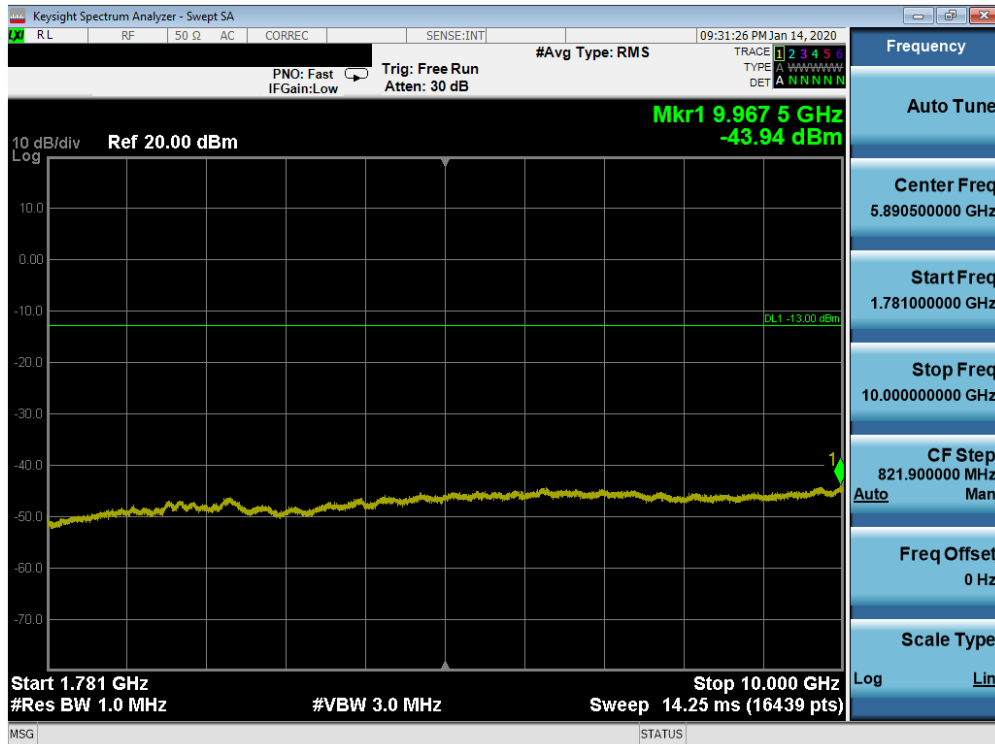


Plot 7-350. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600AM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 238 of 302	

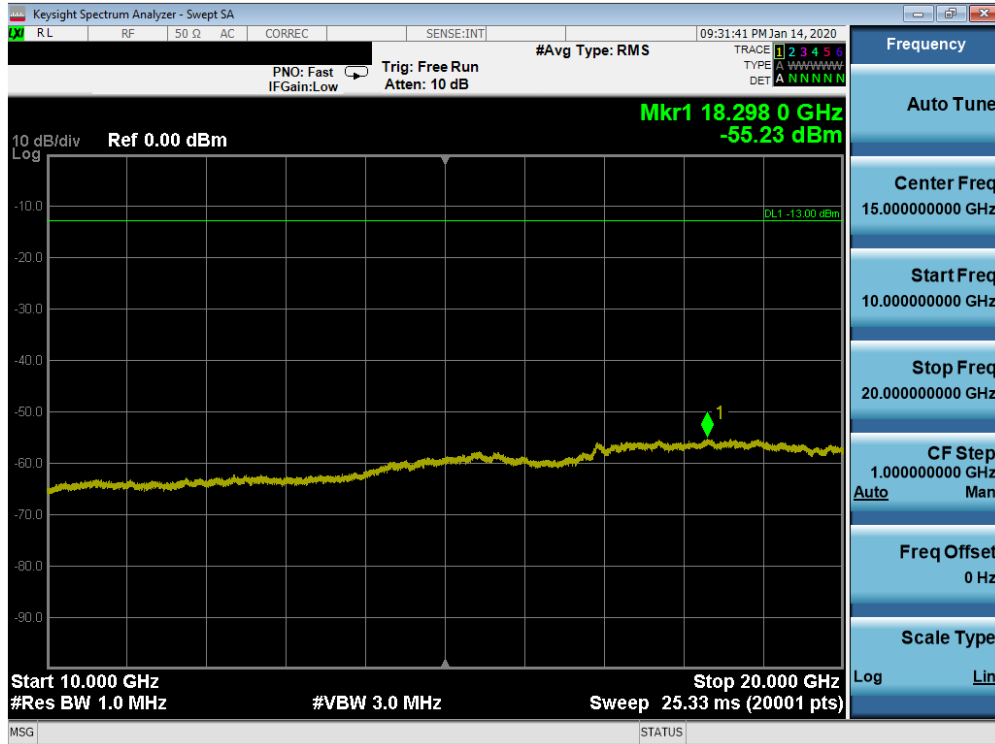


Plot 7-351. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-352. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

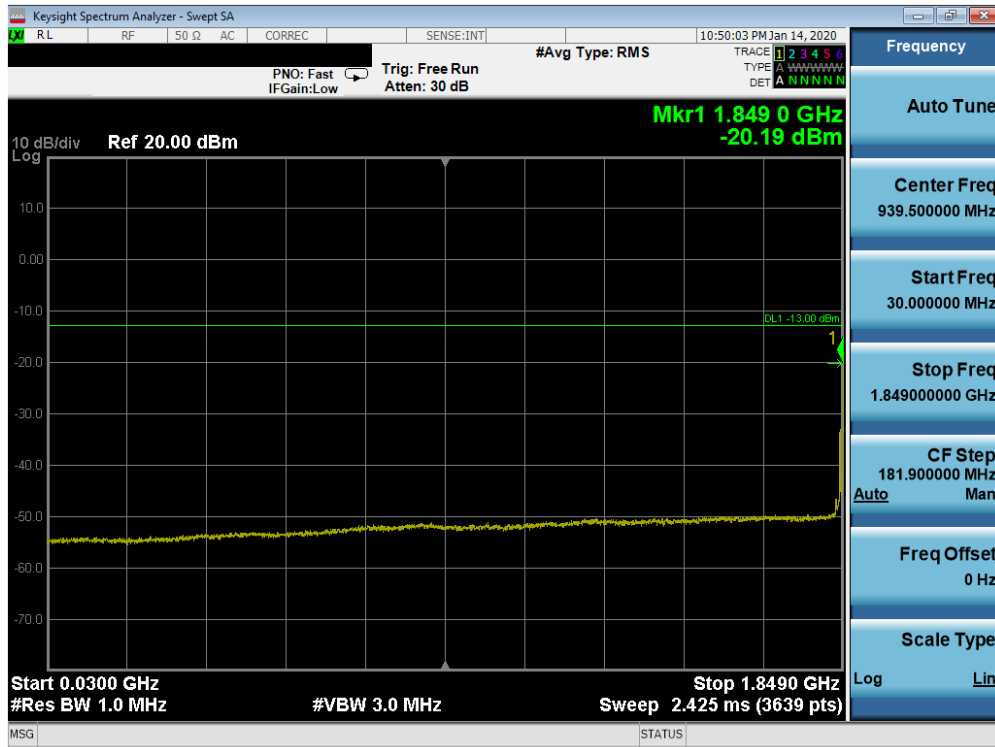
FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 239 of 302



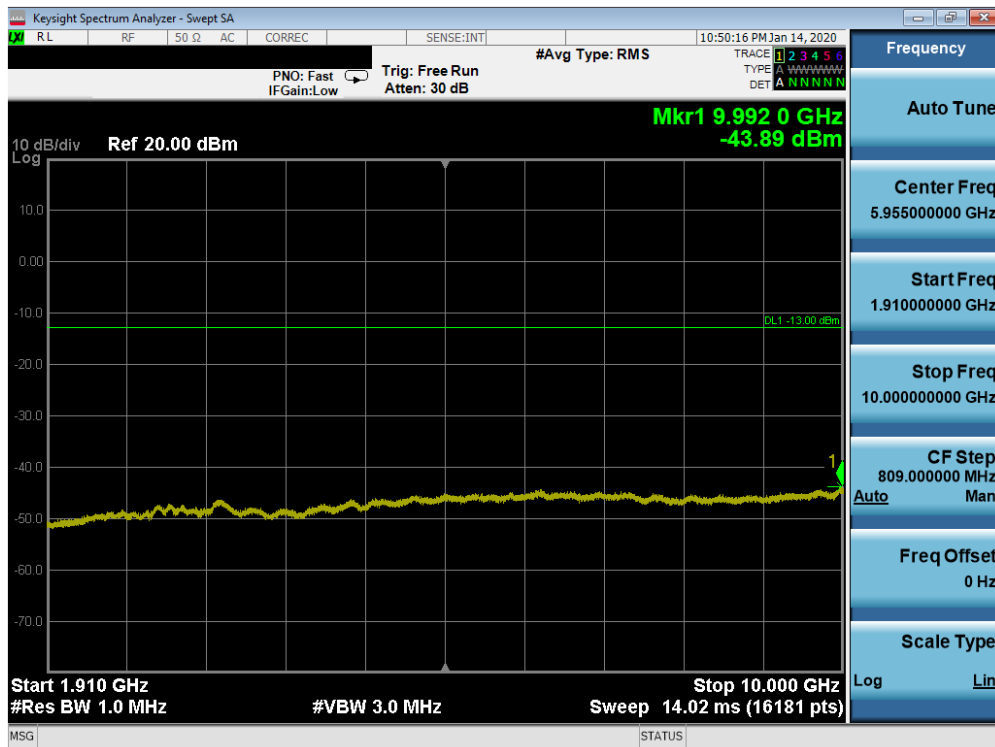
Plot 7-353. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 240 of 302

NR Band n2

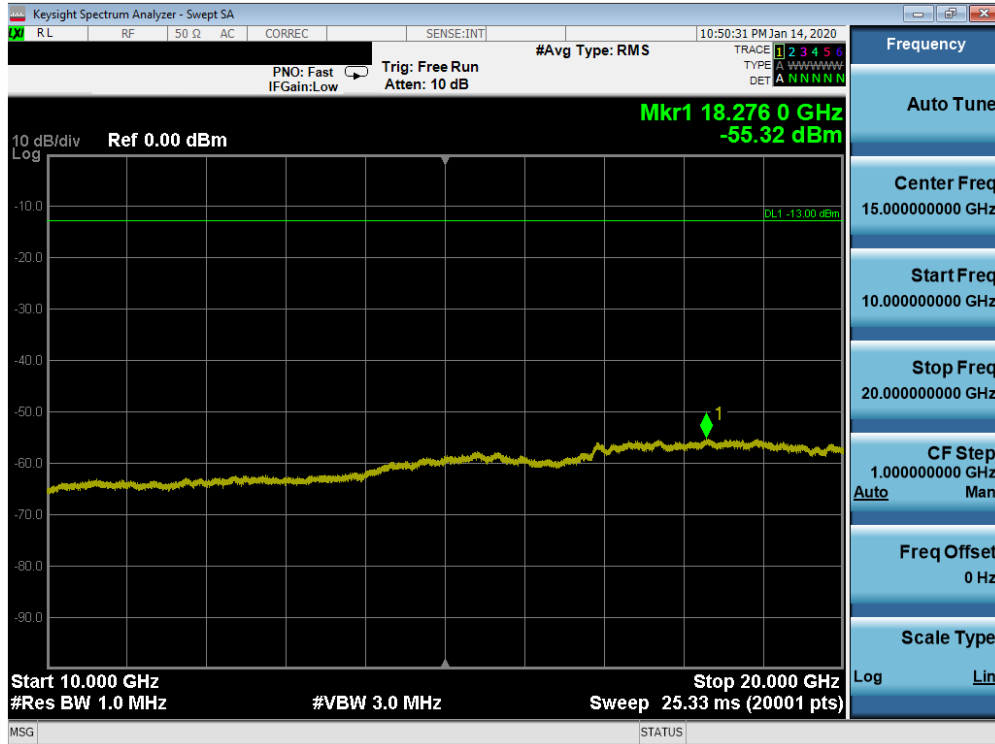


Plot 7-354. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

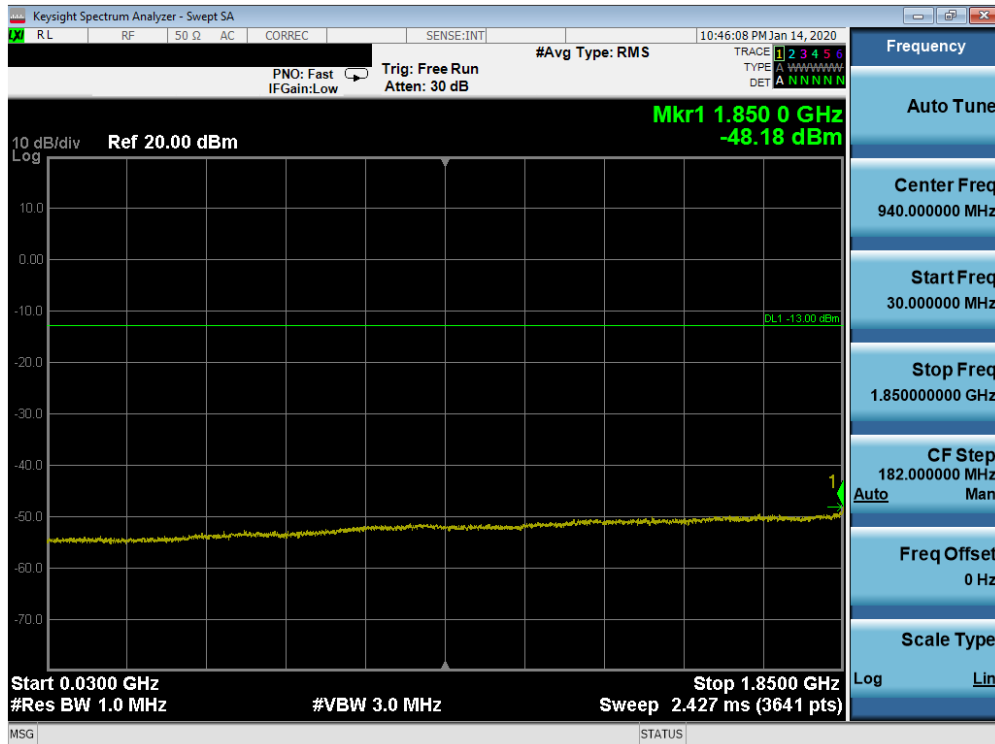


Plot 7-355. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 241 of 302

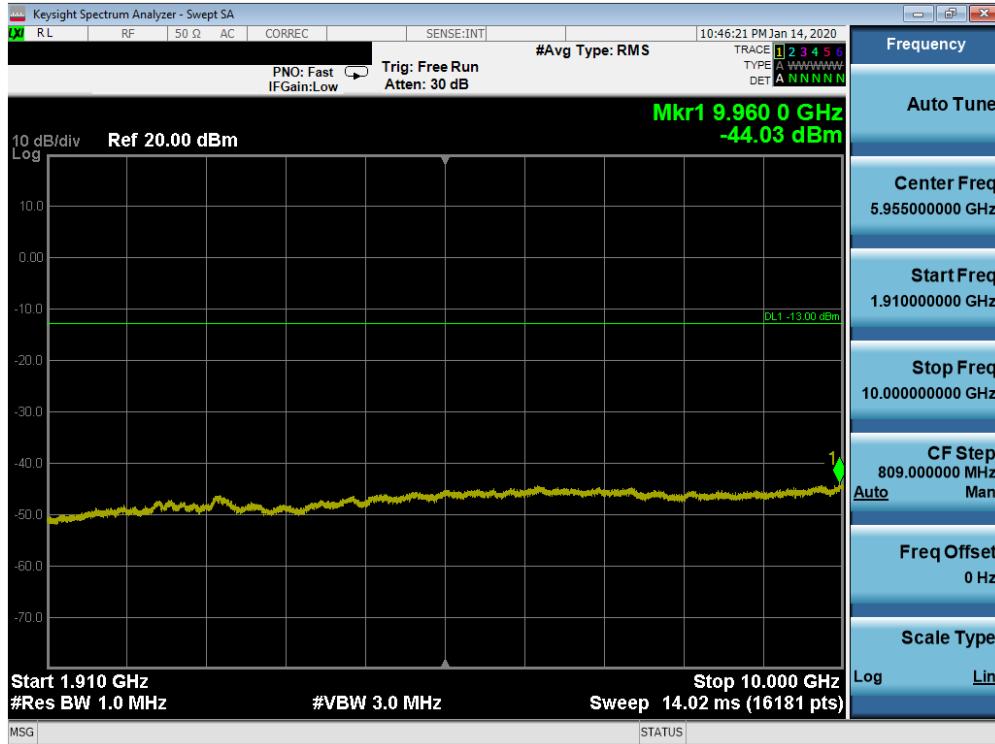


Plot 7-356. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

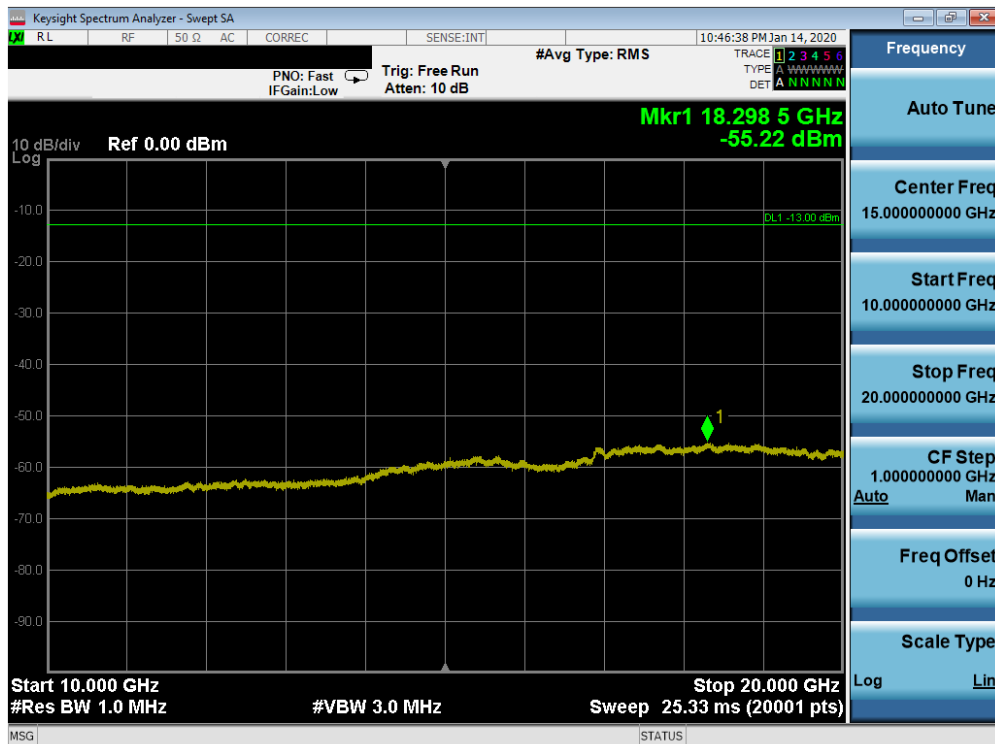


Plot 7-357. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 242 of 302

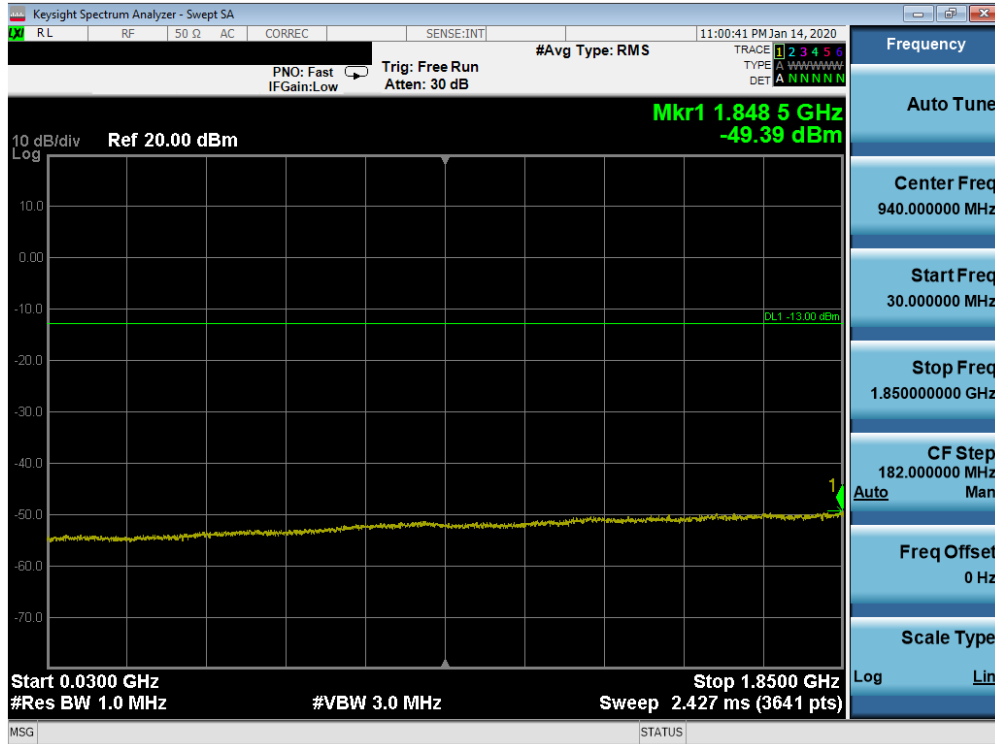


Plot 7-358. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

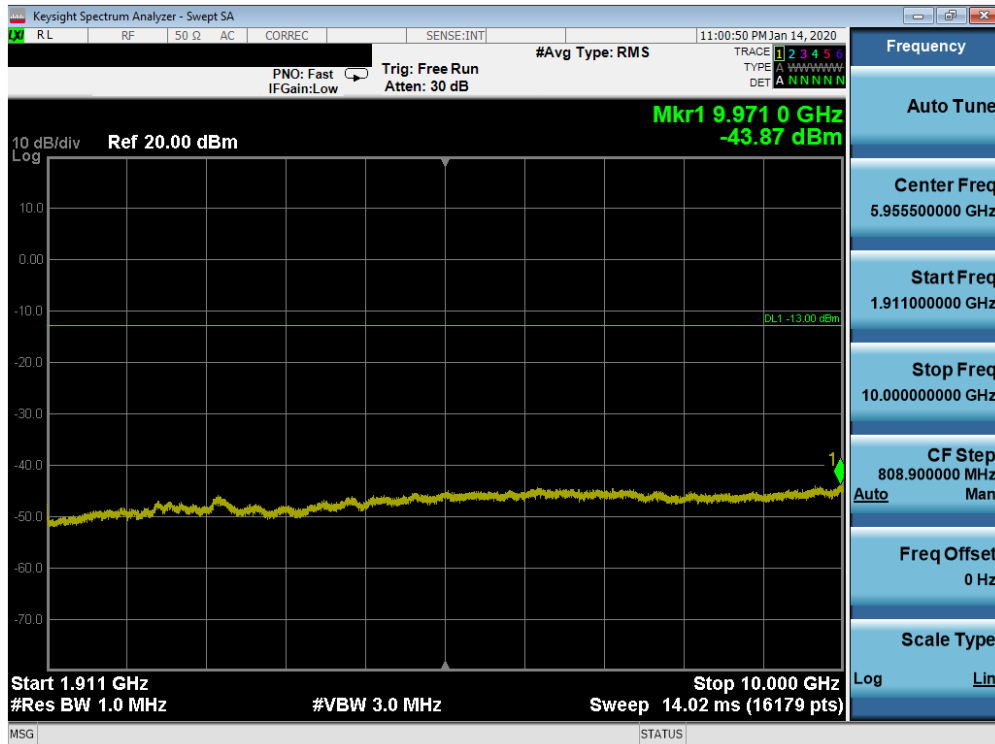


Plot 7-359. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600AM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 243 of 302		

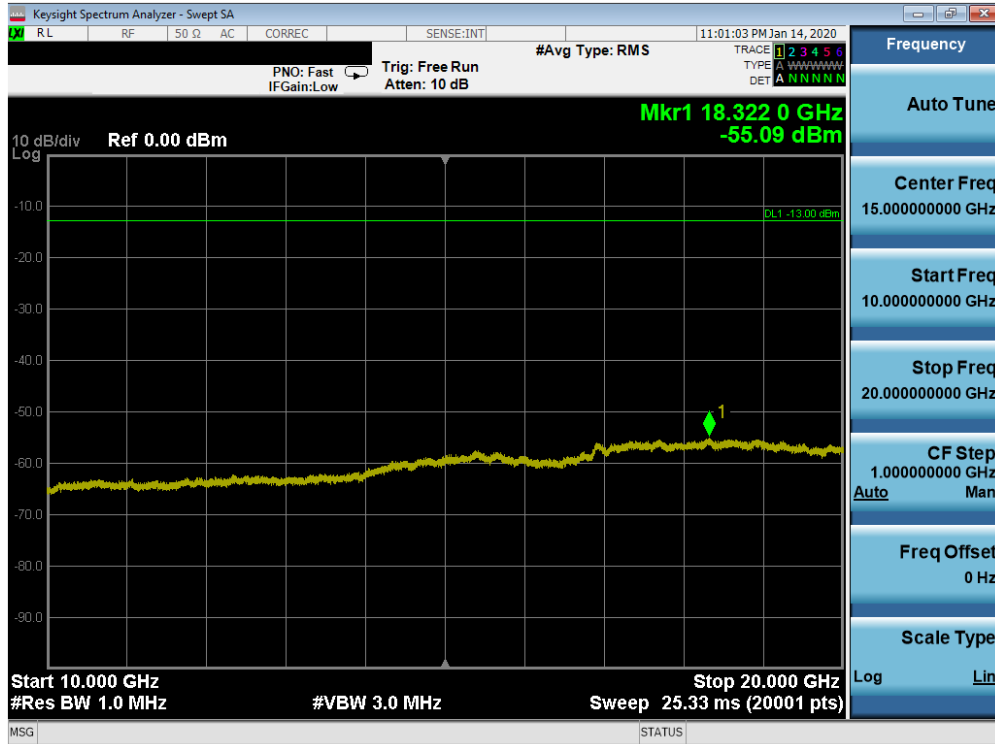


Plot 7-360. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-361. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 244 of 302



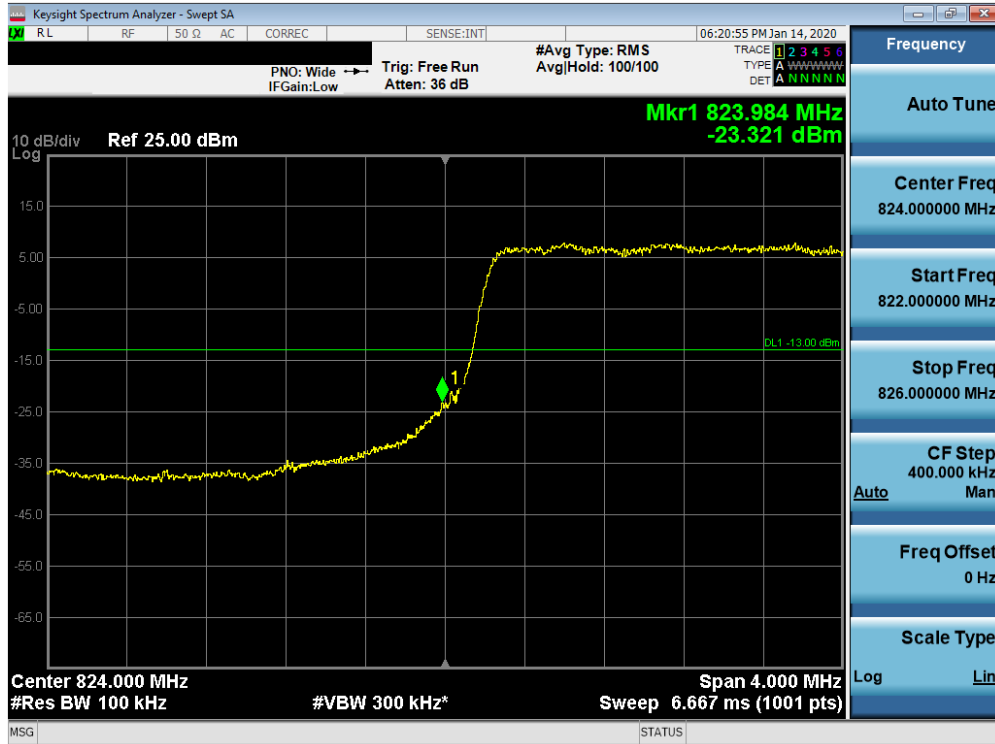
Plot 7-362. Conducted Spurious Plot (n2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600AM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 245 of 302

Band Edge Emissions at the Antenna Terminal

All SCS's and Waveforms (CP-OFDM vs 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.

NR Band n5

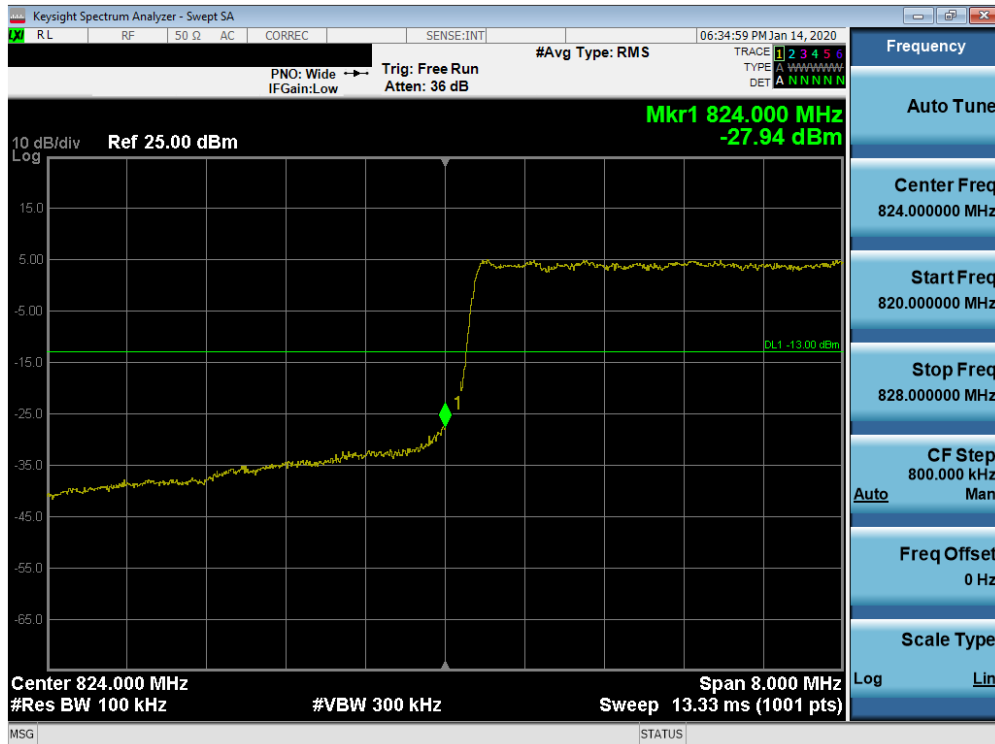


Plot 7-363. Lower Band Edge Plot (n5 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 246 of 302



Plot 7-364. Upper Band Edge Plot (n5 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

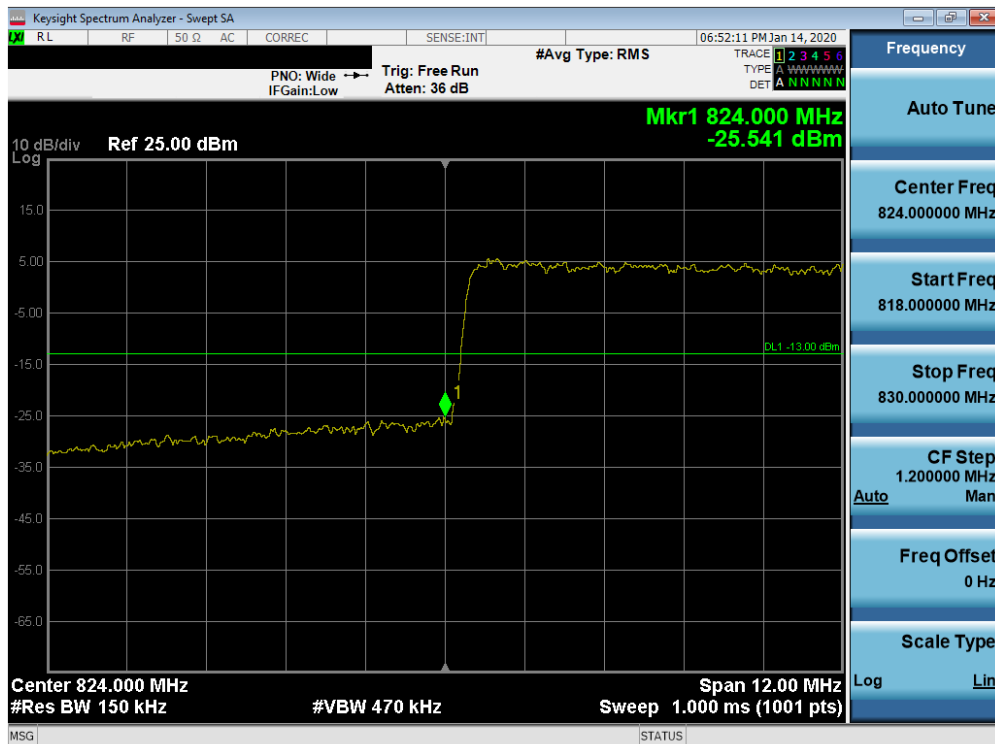


Plot 7-365. Lower Band Edge Plot (n5 - 10MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 247 of 302

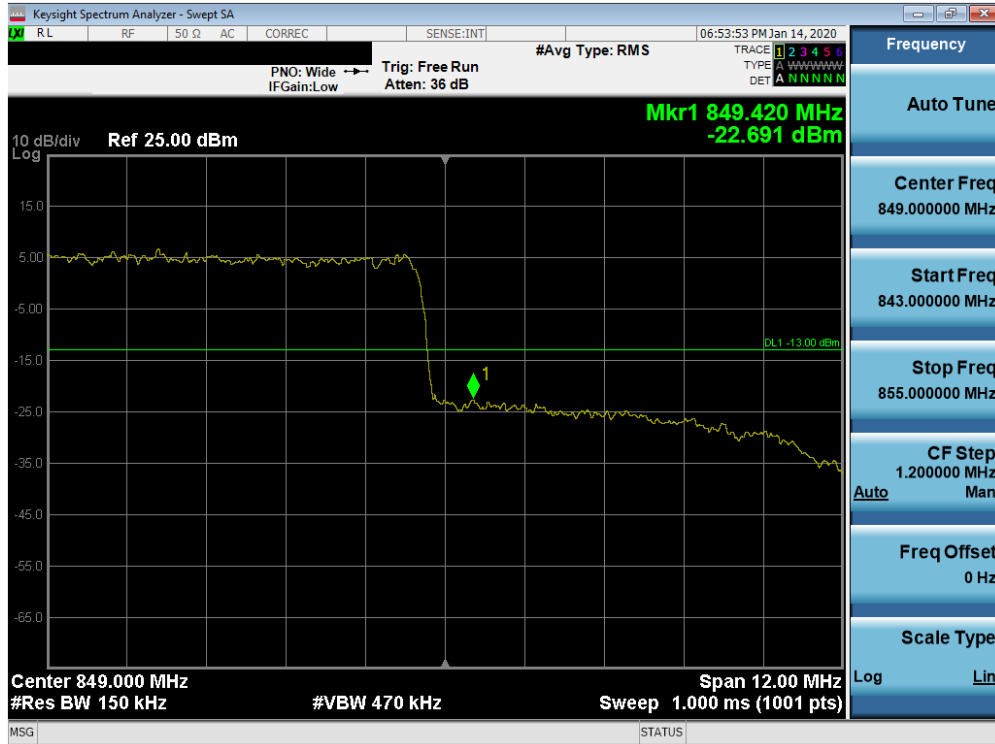


Plot 7-366. Upper Band Edge Plot (n5 - 10MHz CP-OFDM-QPSK - Full RB Configuration)

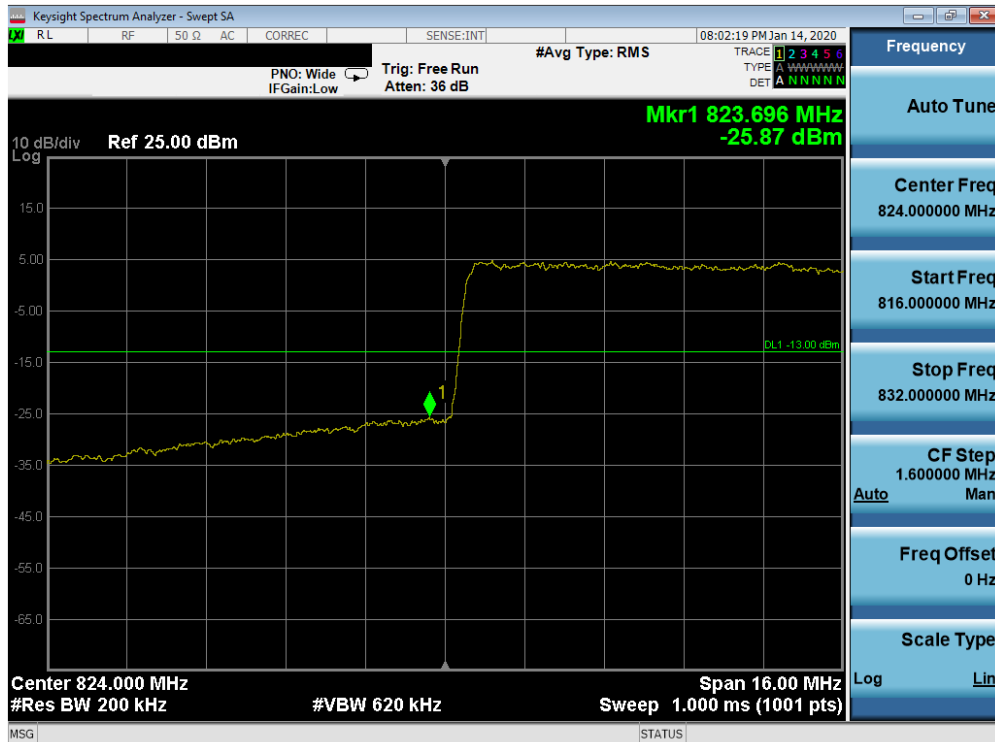


Plot 7-367. Lower Band Edge Plot (n5 - 15MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 248 of 302



Plot 7-368. Upper Band Edge Plot (n5 - 15MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-369. Lower Band Edge Plot (n5 - 20MHz CP-OFDM-QPSK - Full RB Configuration)

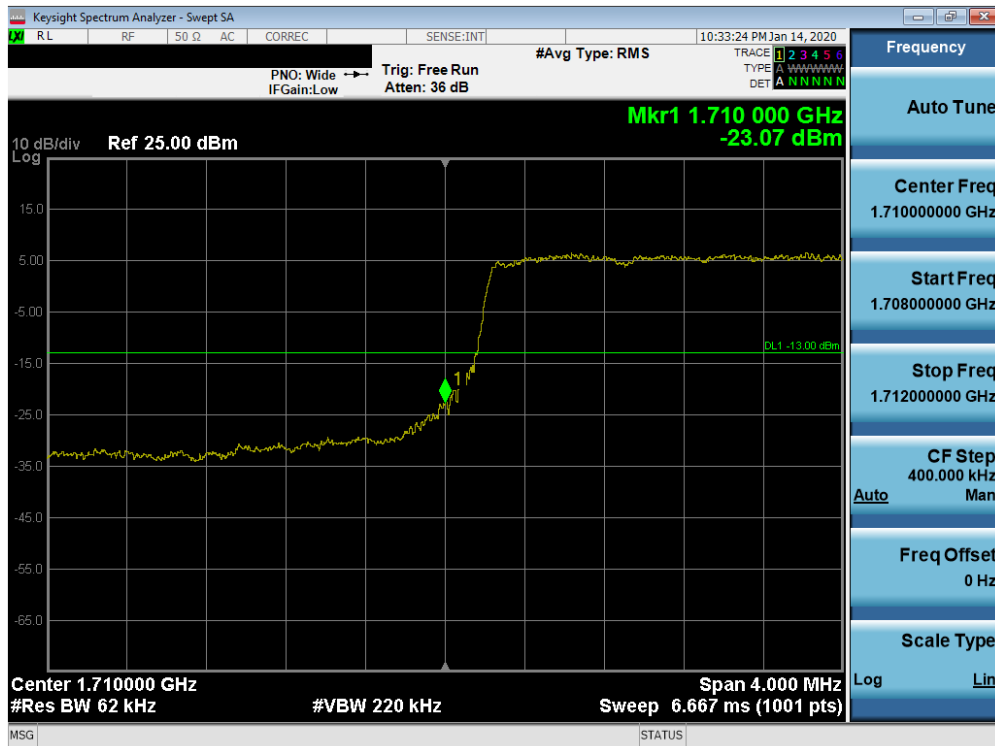
FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 249 of 302



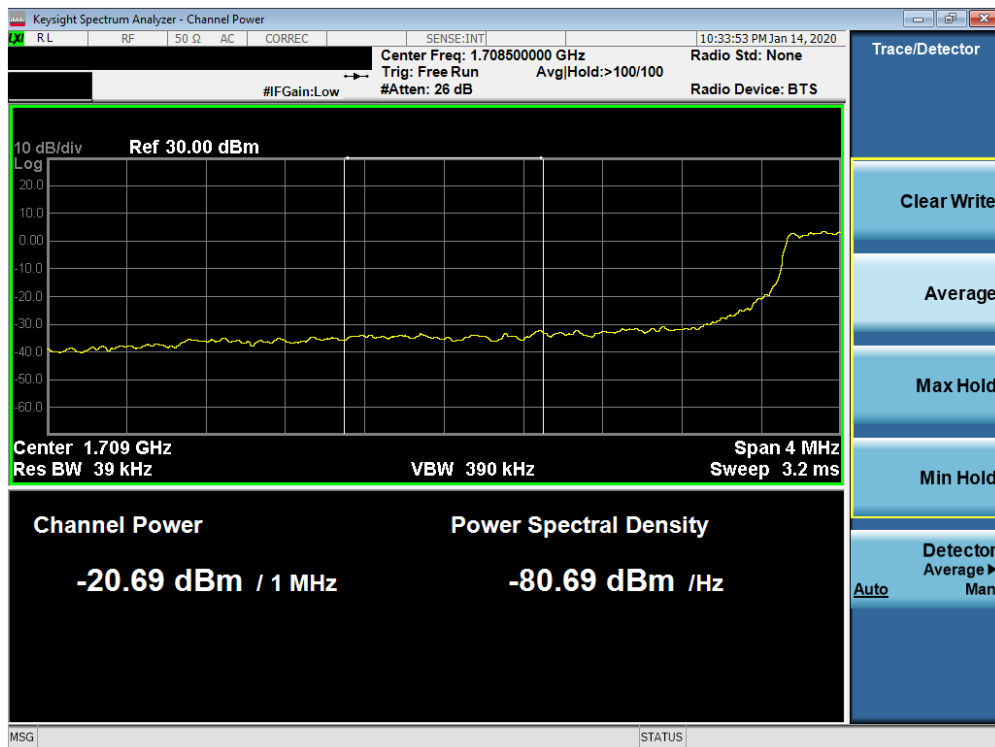
Plot 7-370. Upper Band Edge Plot (n5- 20MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 250 of 302

NR Band n66



Plot 7-371. Lower Band Edge Plot (Band n66 - 5.0MHz CP-OFDM- CP-OFDM-QPSK - Full RB Configuration)

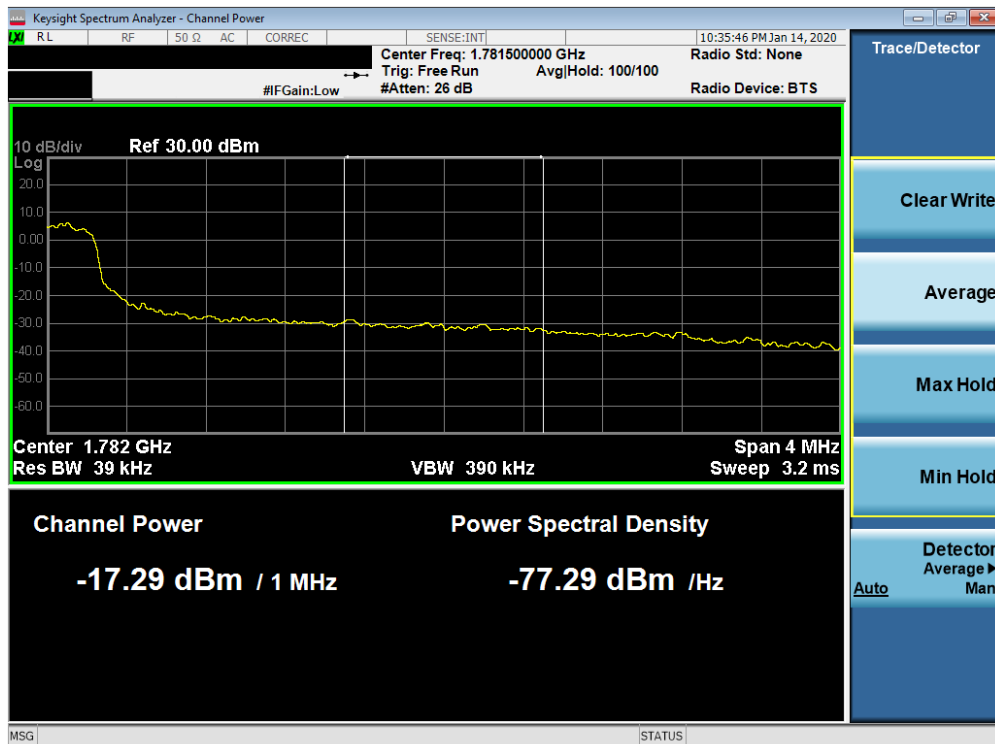


Plot 7-372. Lower Extended Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 251 of 302

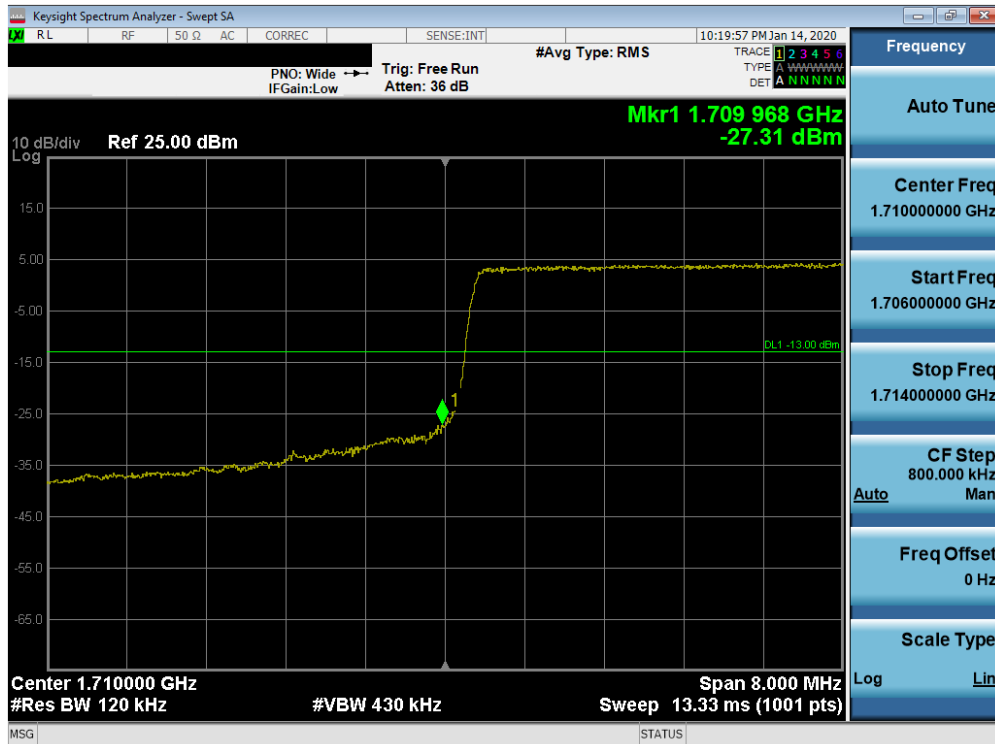


Plot 7-373. Upper Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

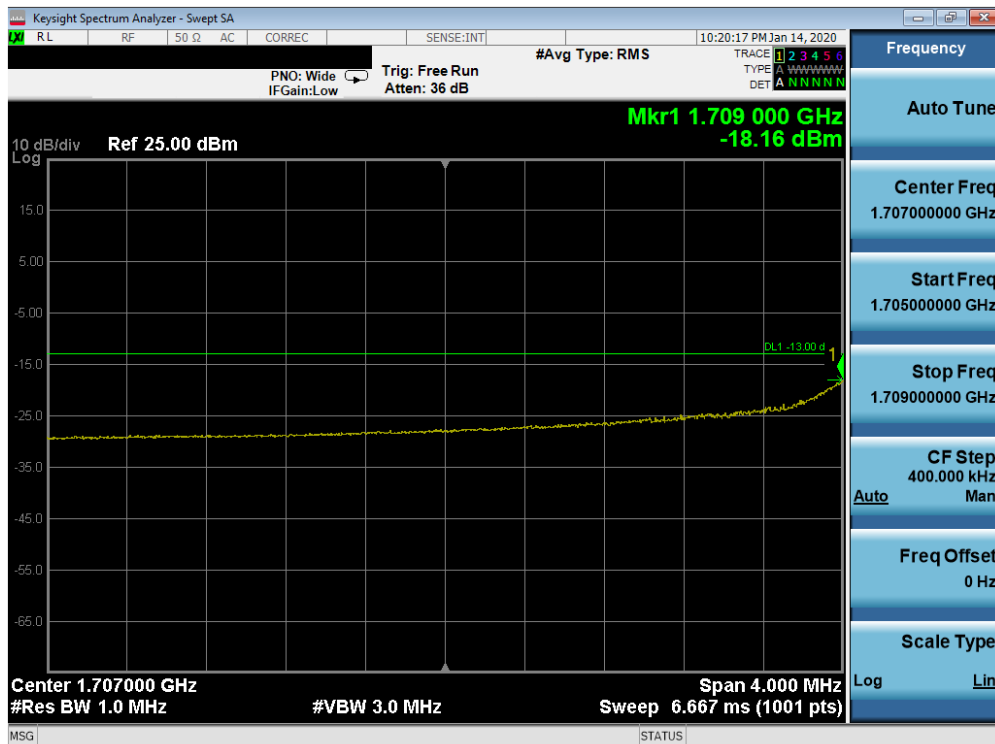


Plot 7-374. Upper Extended Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 252 of 302



Plot 7-375. Lower Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-376. Lower Extended Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 253 of 302

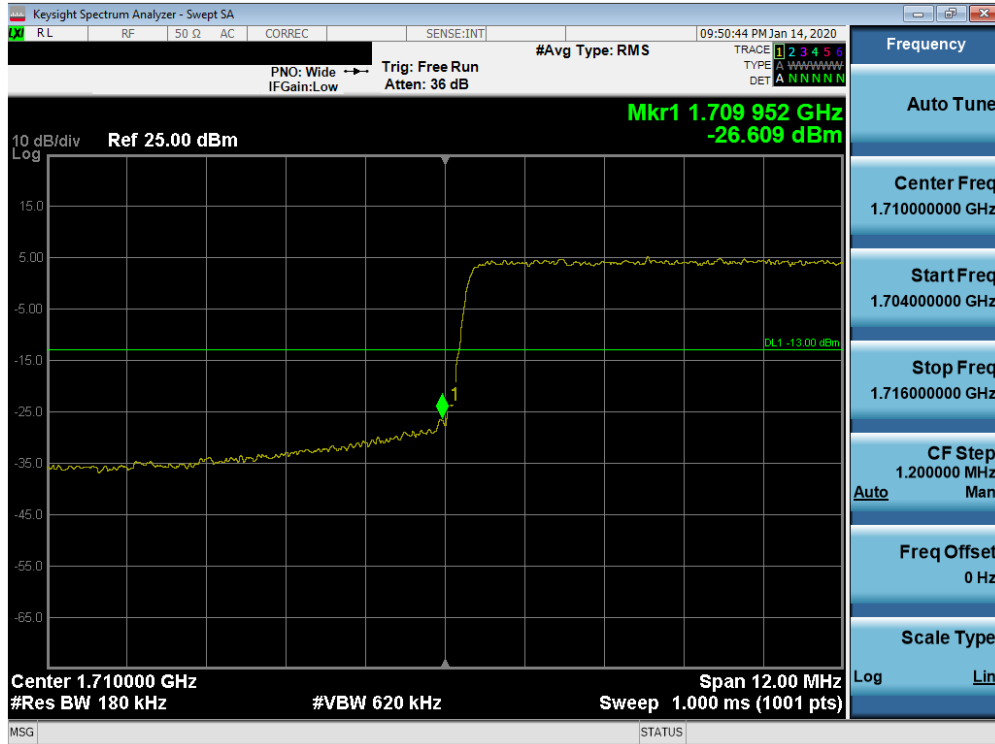


Plot 7-377. Upper Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

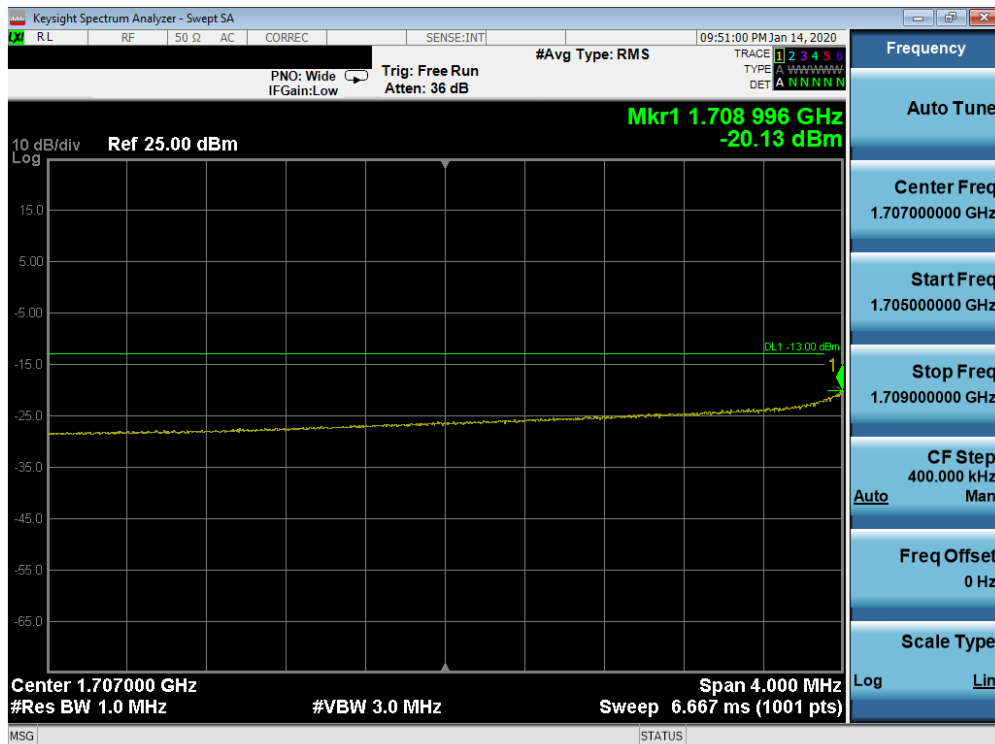


Plot 7-378. Upper Extended Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 254 of 302



Plot 7-379. Lower Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

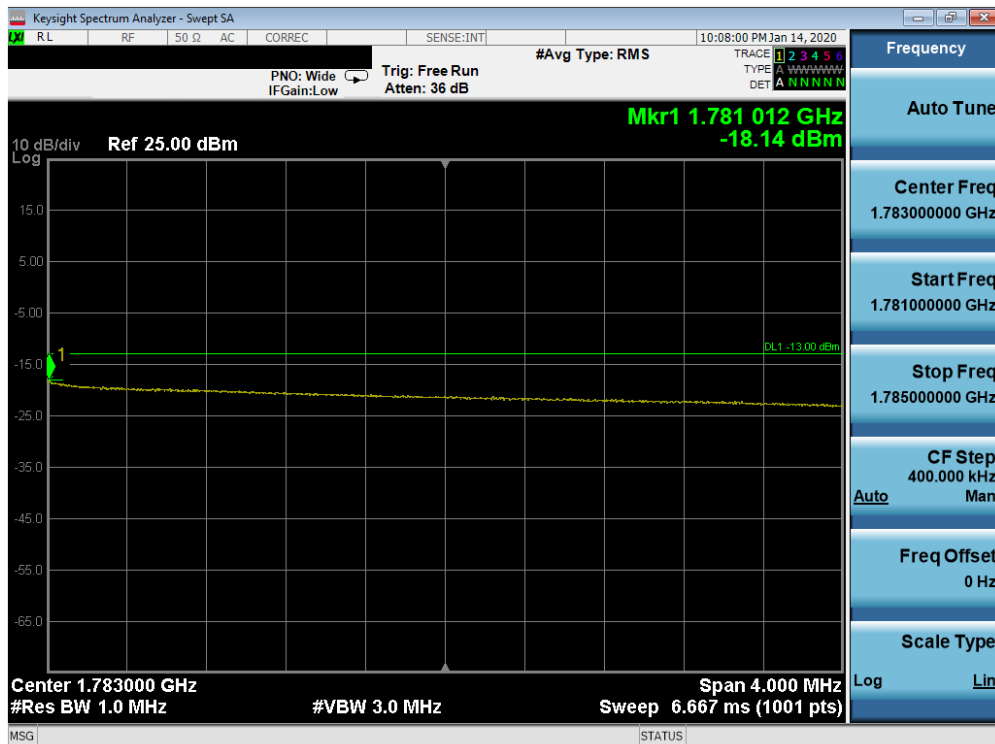


Plot 7-380. Lower Extended Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 255 of 302

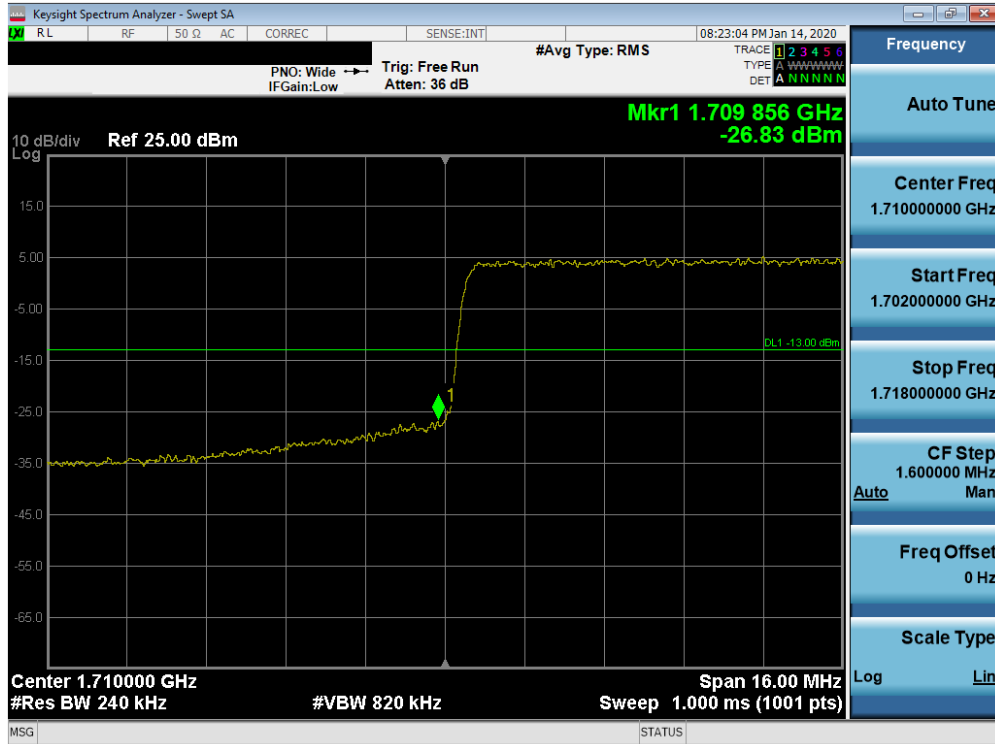


Plot 7-381. Upper Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-382. Upper Extended Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 256 of 302



Plot 7-383. Lower Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

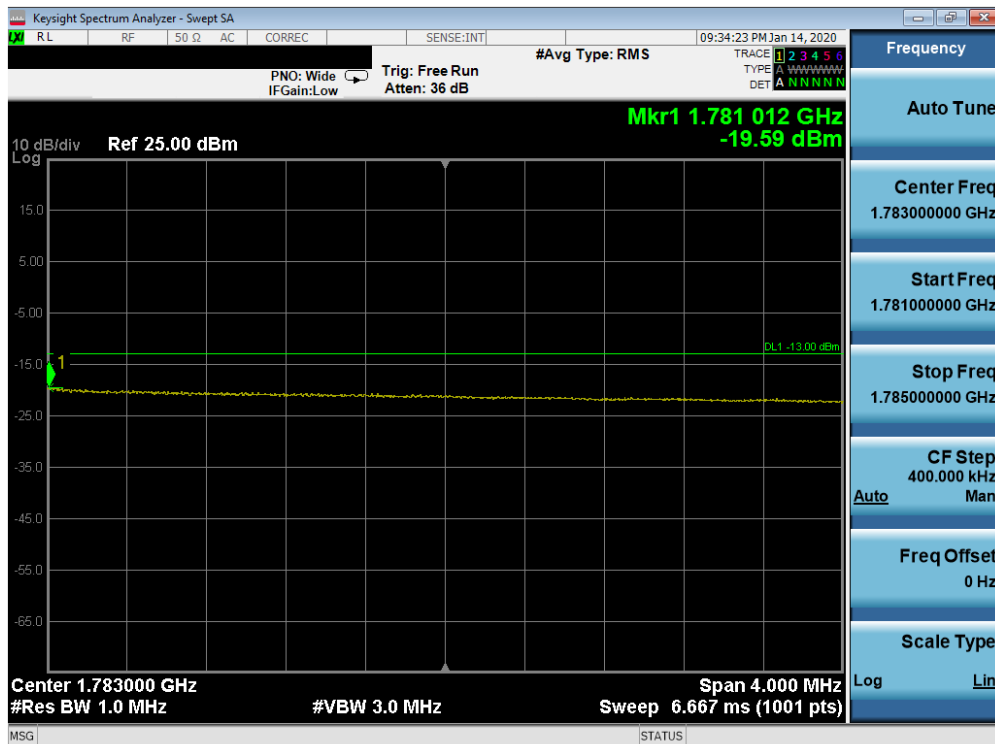


Plot 7-384. Lower Extended Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 257 of 302



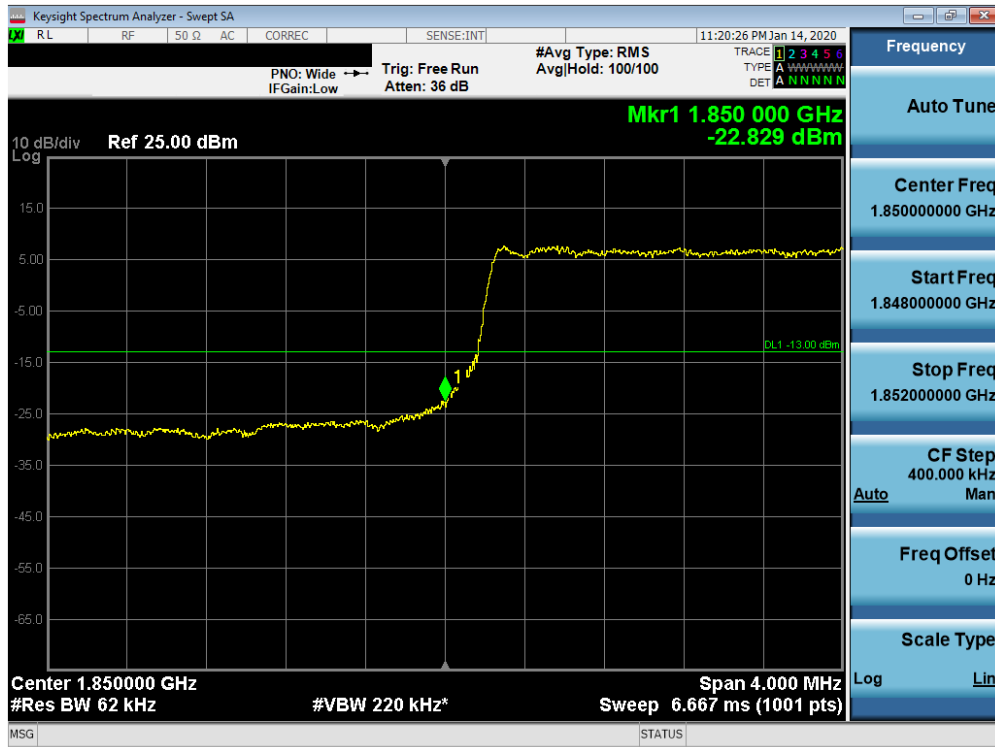
Plot 7-385. Upper Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)



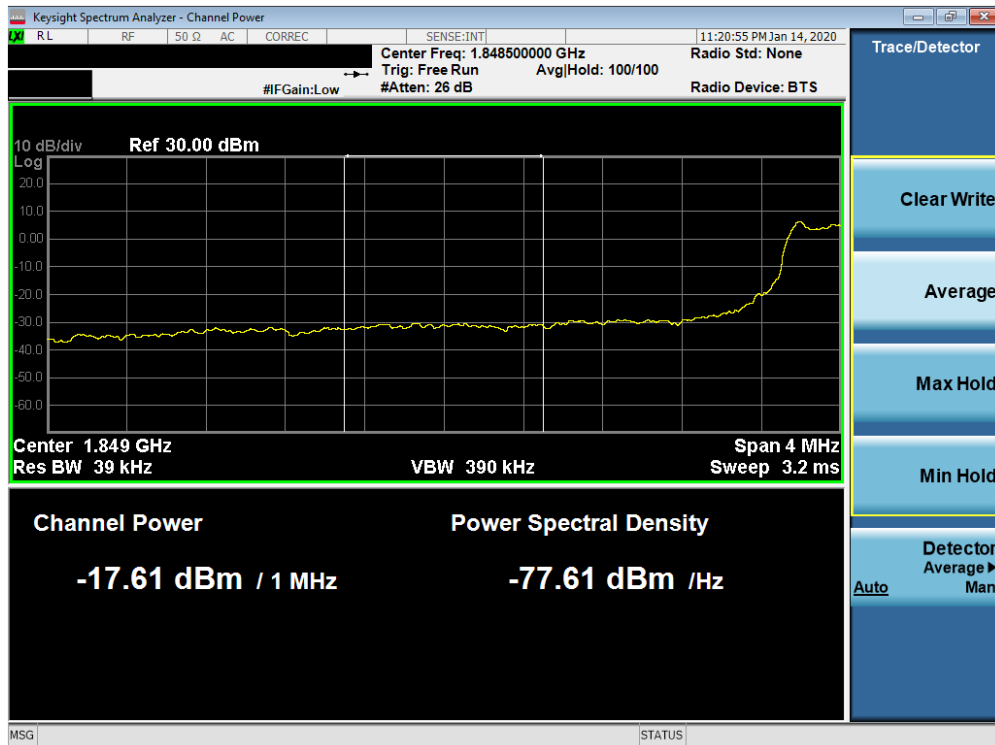
Plot 7-386. Upper Extended Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 258 of 302

NR Band n2

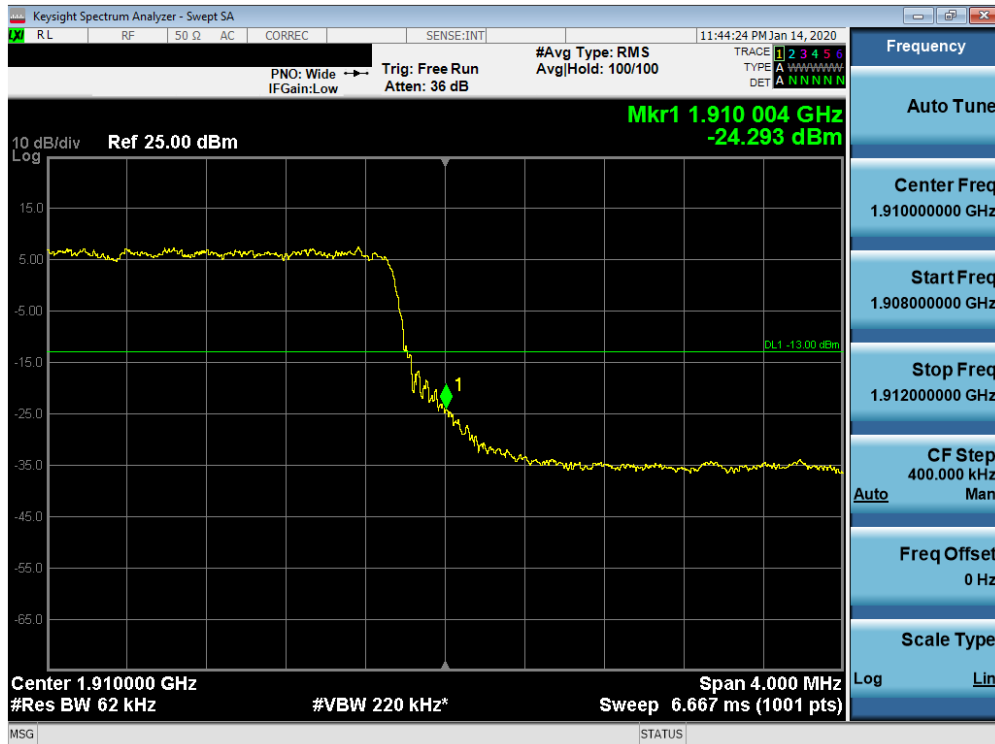


Plot 7-387. Lower Band Edge Plot (Band n2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

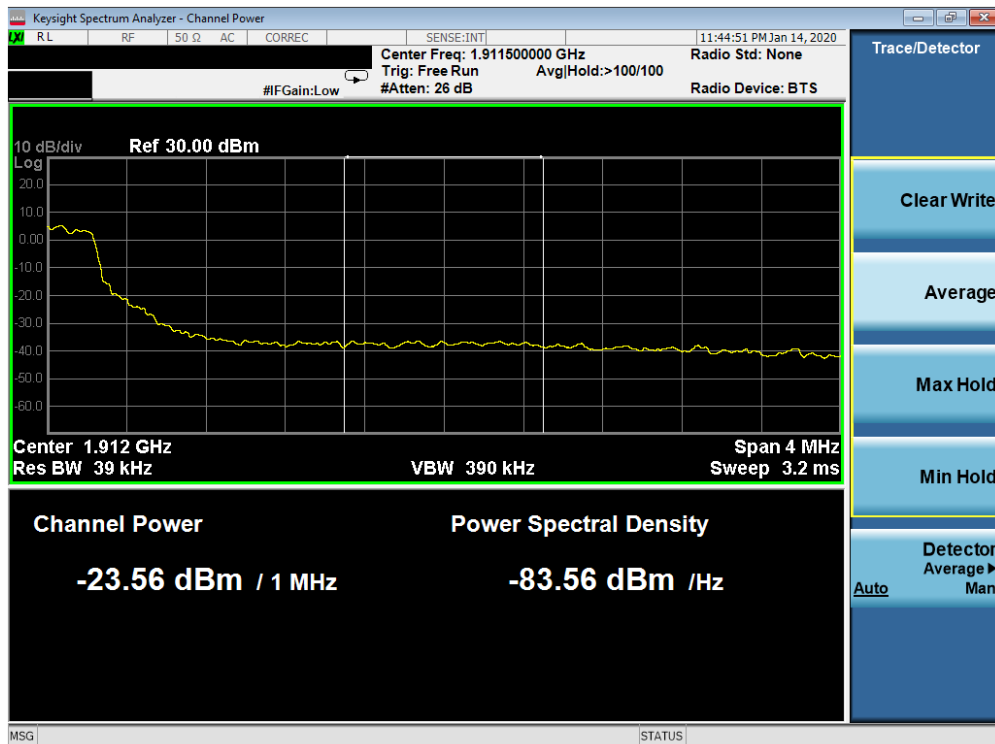


Plot 7-388. Lower Extended Band Edge Plot (Band n2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 259 of 302

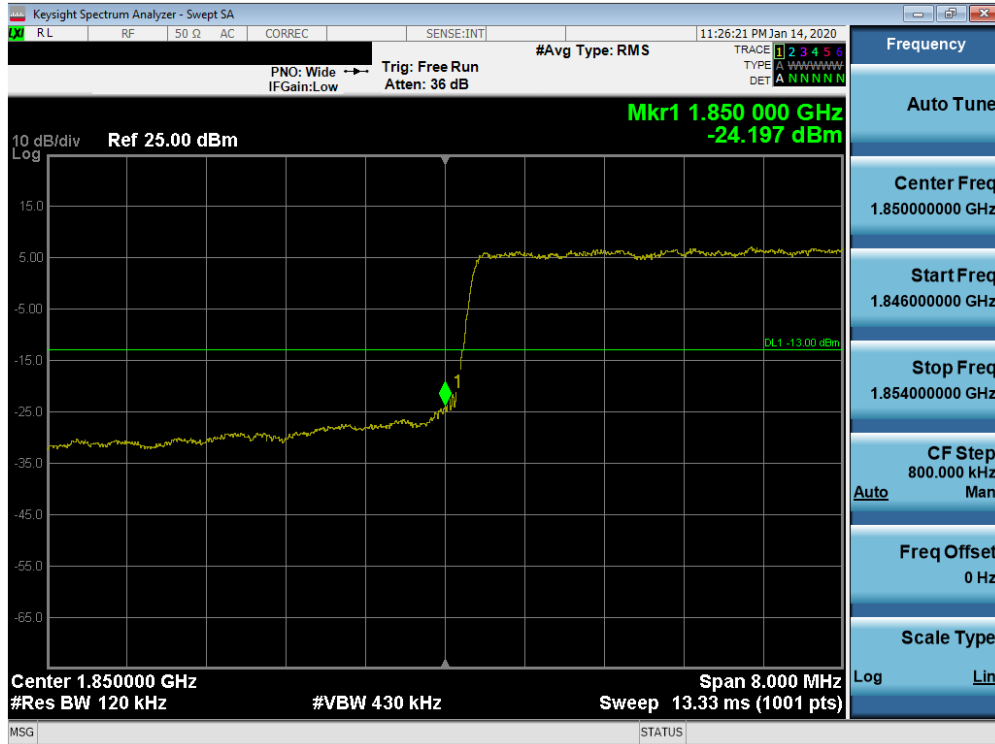


Plot 7-389. Upper Band Edge Plot (Band n2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

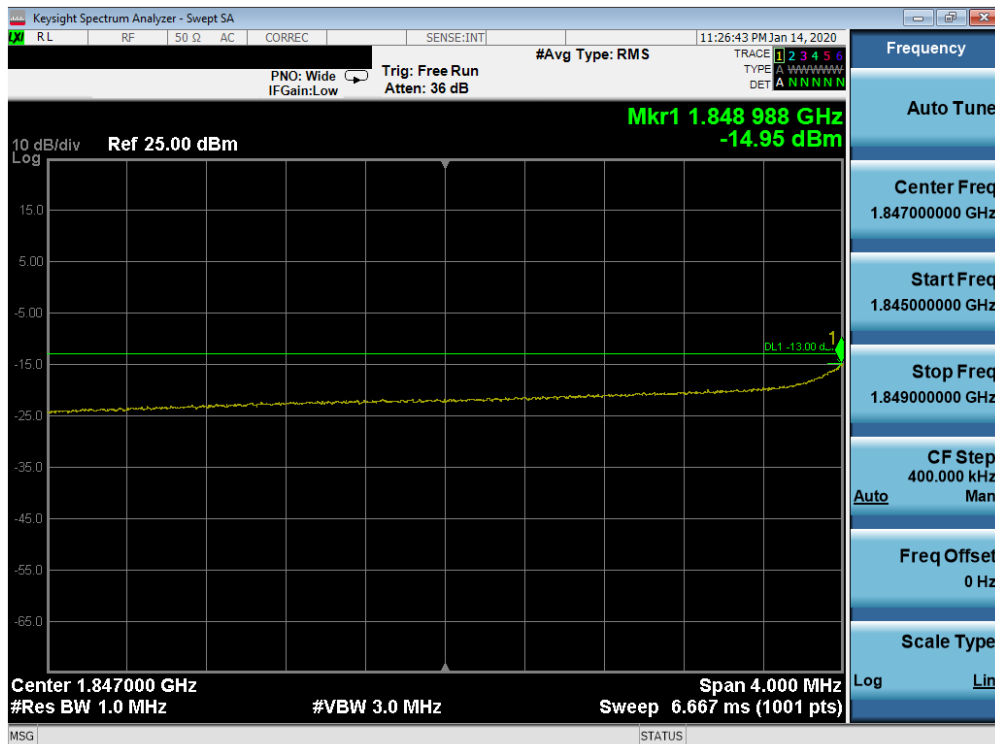


Plot 7-390. Upper Extended Band Edge Plot (Band n2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 260 of 302

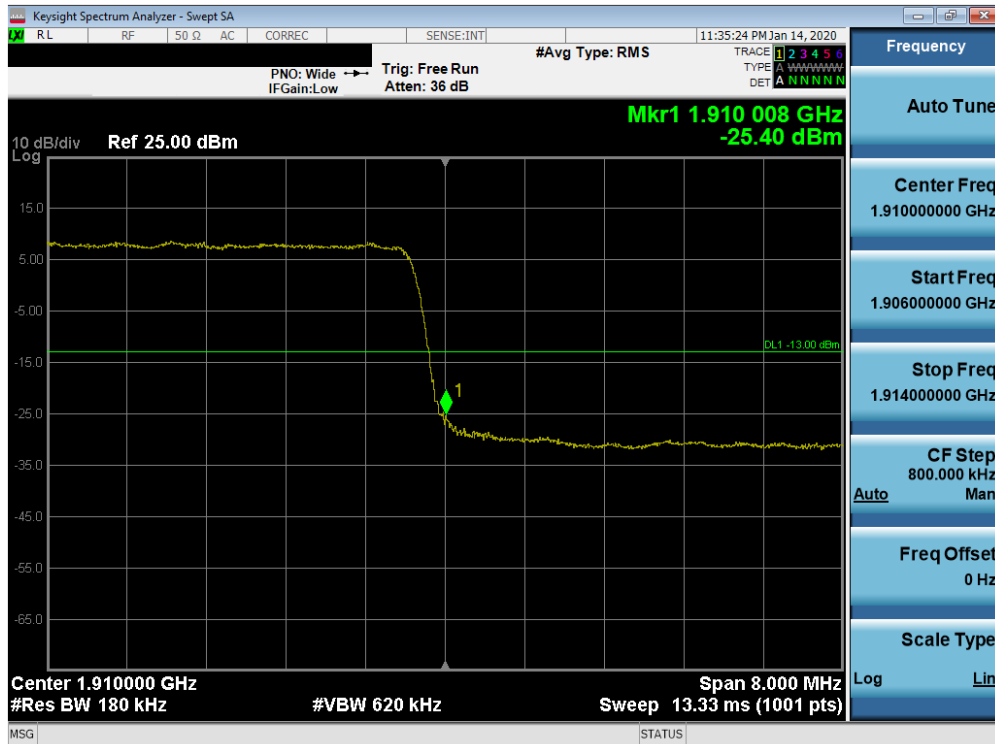


Plot 7-391. Lower Band Edge Plot (Band n2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

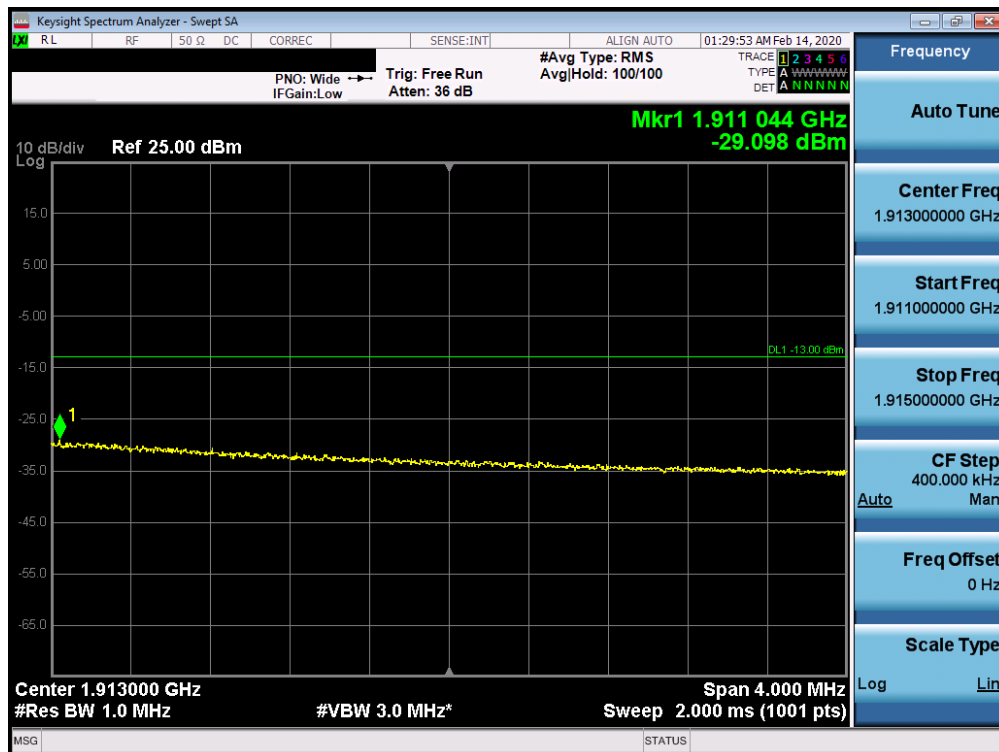


Plot 7-392. Lower Extended Band Edge Plot (Band n2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 261 of 302

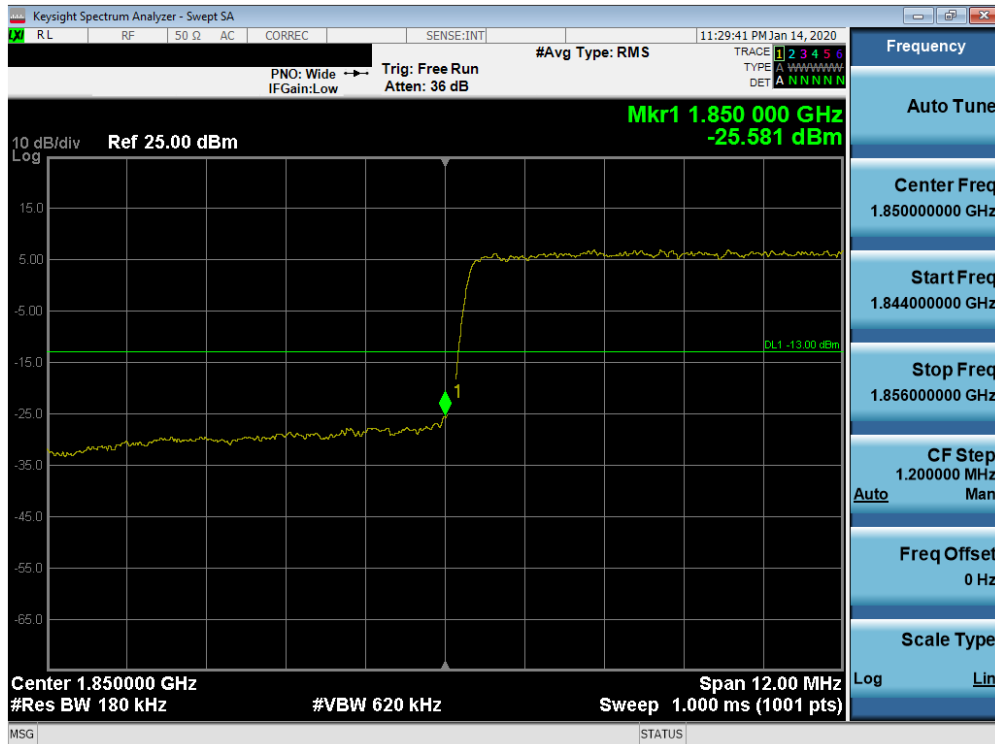


Plot 7-393. Upper Band Edge Plot (Band n2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-394. Upper Extended Band Edge Plot (Band n2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 262 of 302



Plot 7-395. Lower Band Edge Plot (Band n2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-396. Lower Extended Band Edge Plot (Band n2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 263 of 302

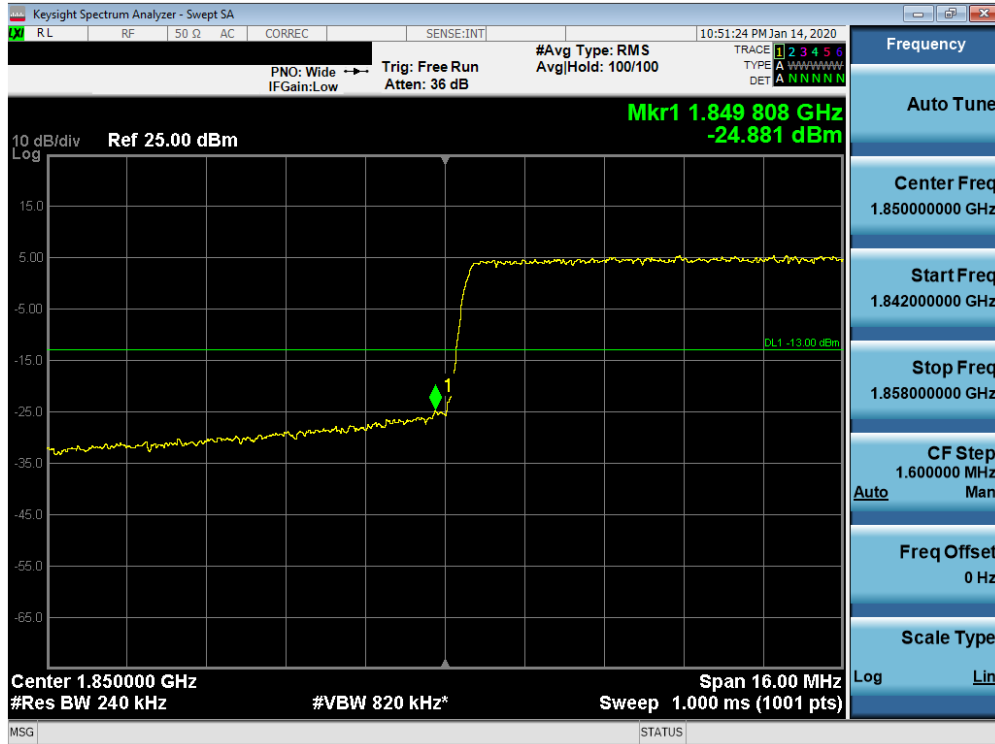


Plot 7-397. Upper Band Edge Plot (Band n2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

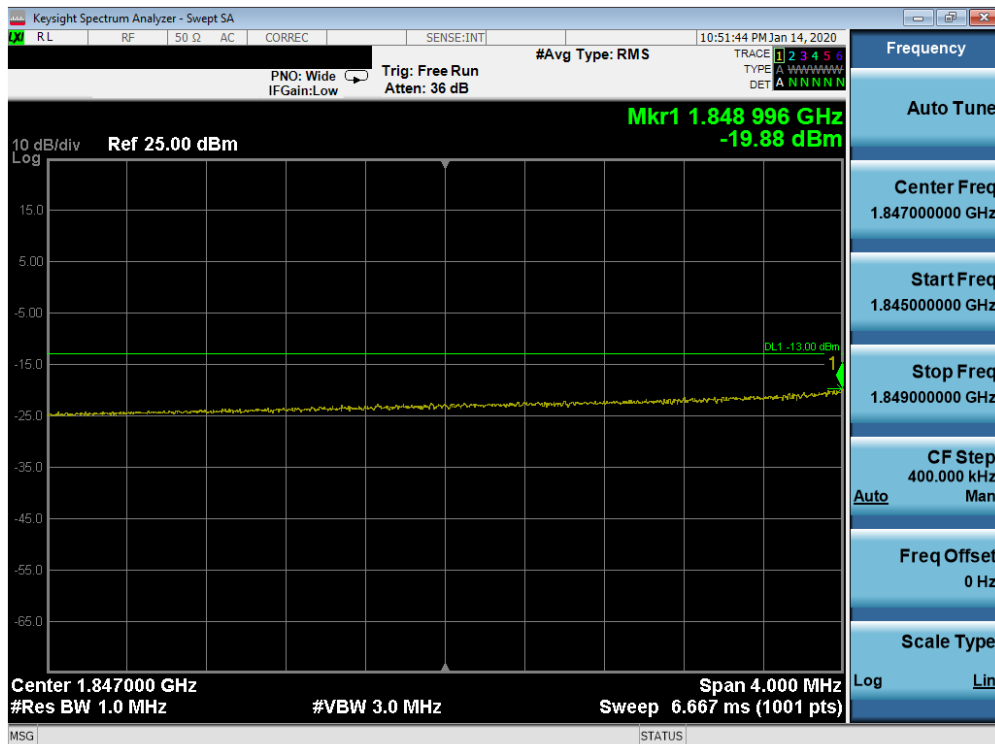


Plot 7-398. Upper Extended Band Edge Plot (Band n2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 264 of 302



Plot 7-399. Lower Band Edge Plot (Band n2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

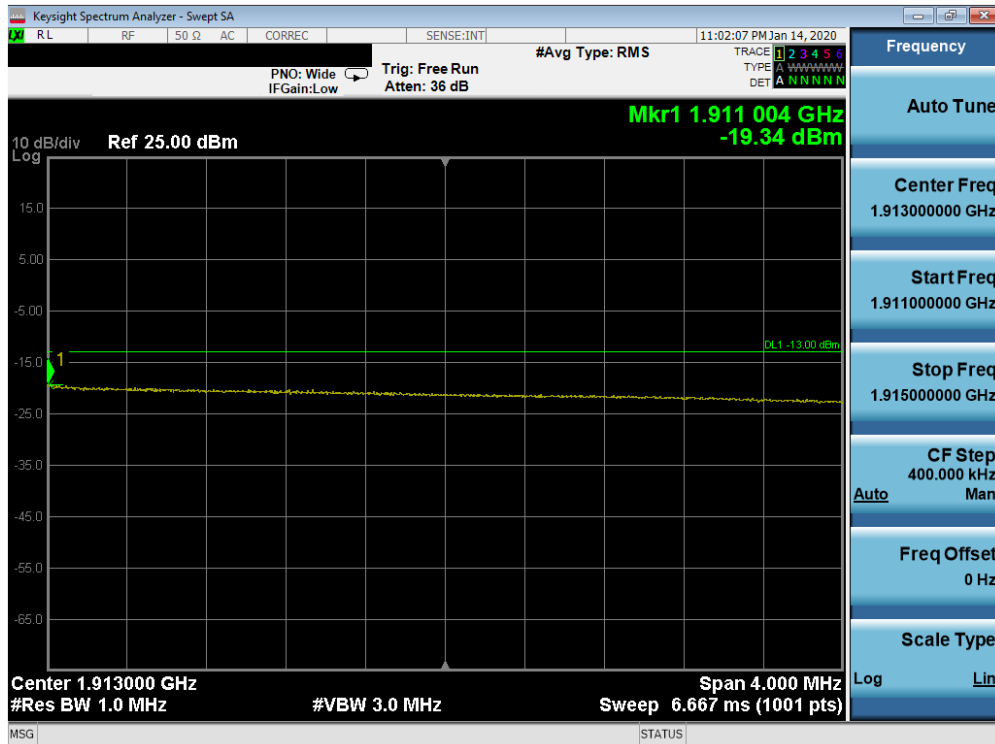


Plot 7-400. Lower Extended Band Edge Plot (Band n2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 265 of 302



Plot 7-401. Upper Band Edge Plot (Band n2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)



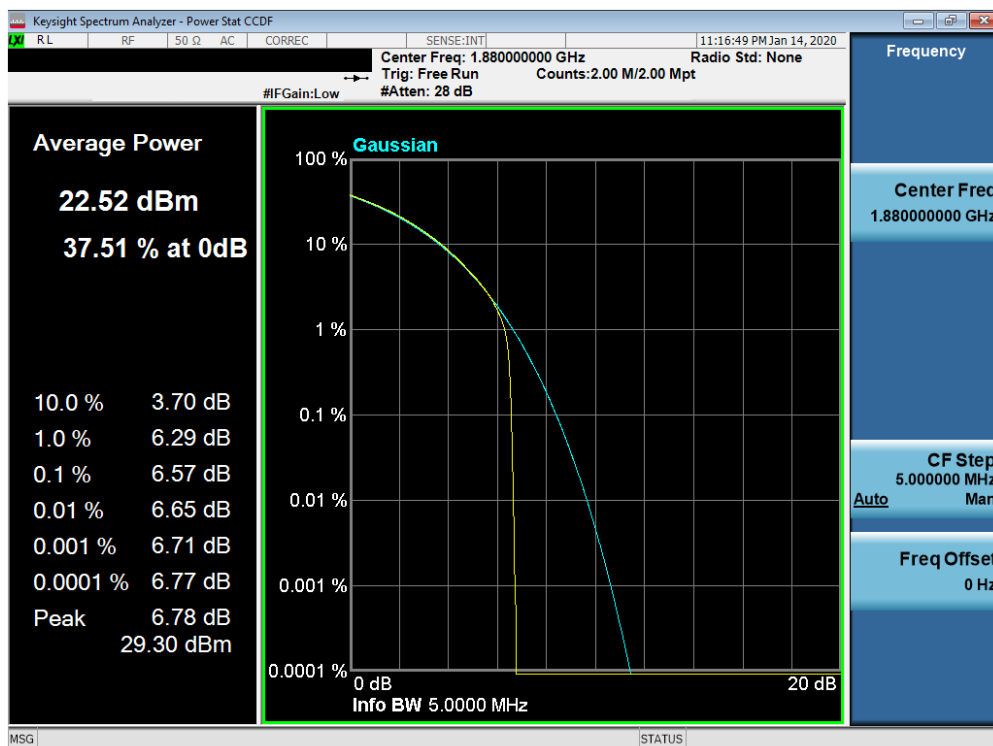
Plot 7-402. Upper Extended Band Edge Plot (Band n2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 266 of 302

Peak-to-Average Ratio

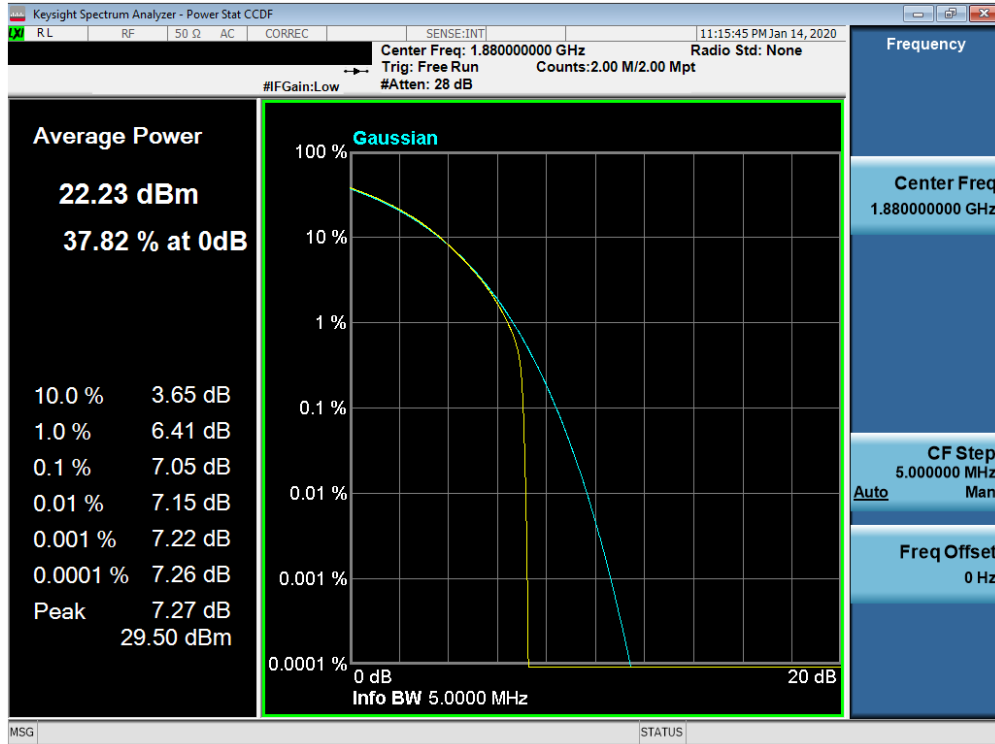
All SCS's and Waveforms (CP-OFDM vs DFT-s OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

NR Band n2

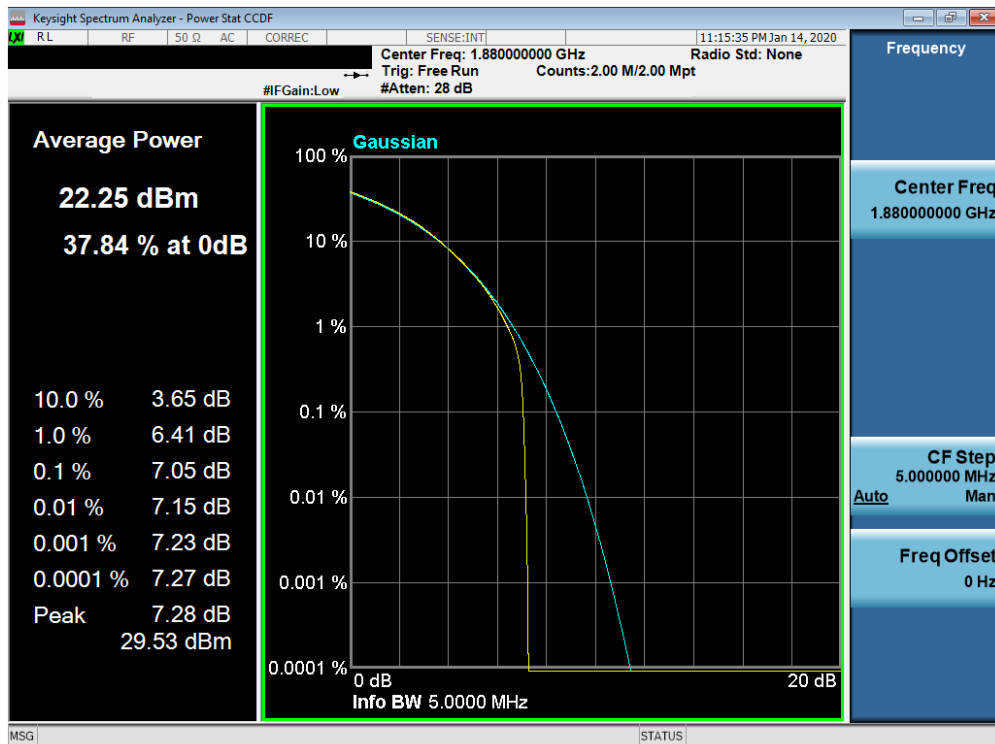


Plot 7-403. PAR Plot (Band n2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 267 of 302

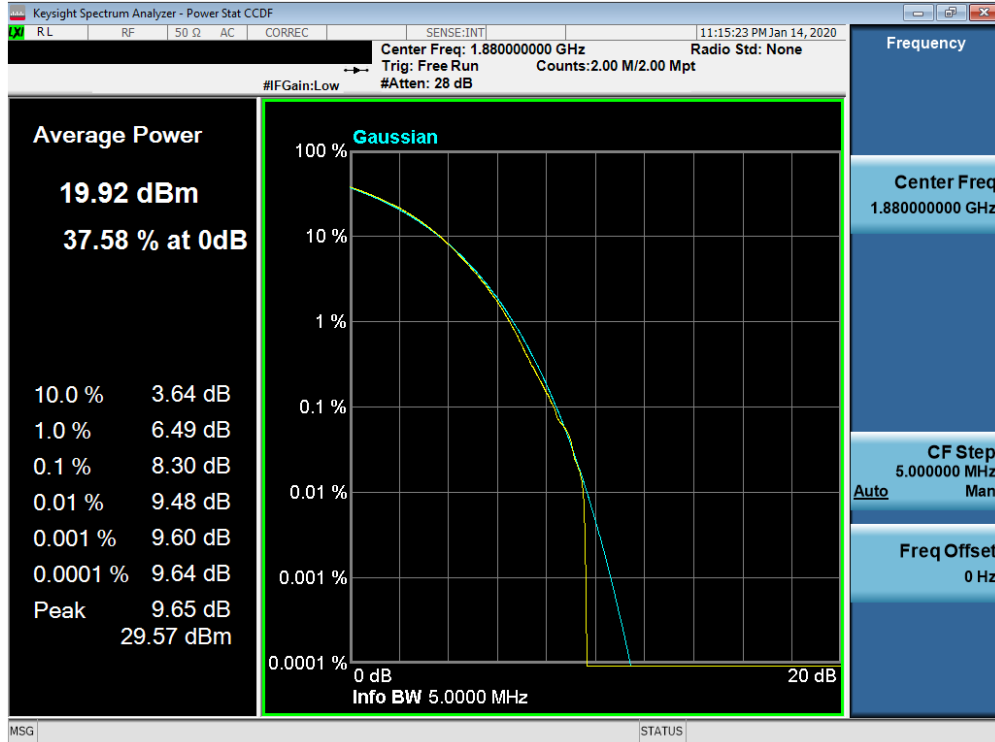


Plot 7-404. PAR Plot (Band n2 - 5.0MHz CP-OFDM-16-QAM - Full RB Configuration)

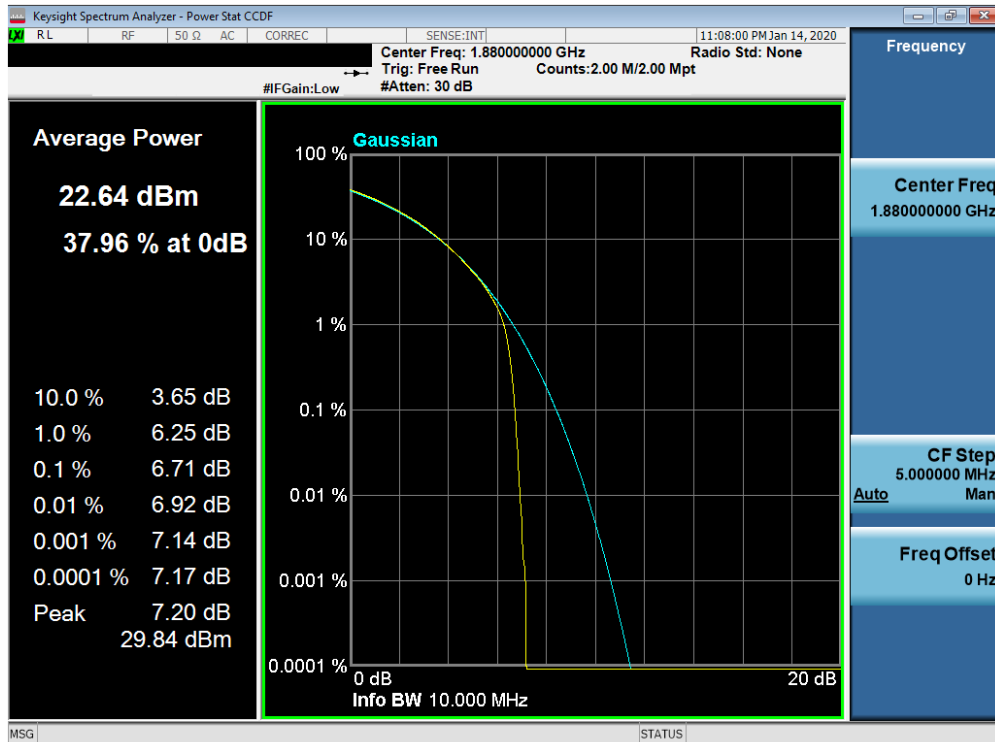


Plot 7-405. PAR Plot (Band n2 - 5.0MHz CP-OFDM-64-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 268 of 302

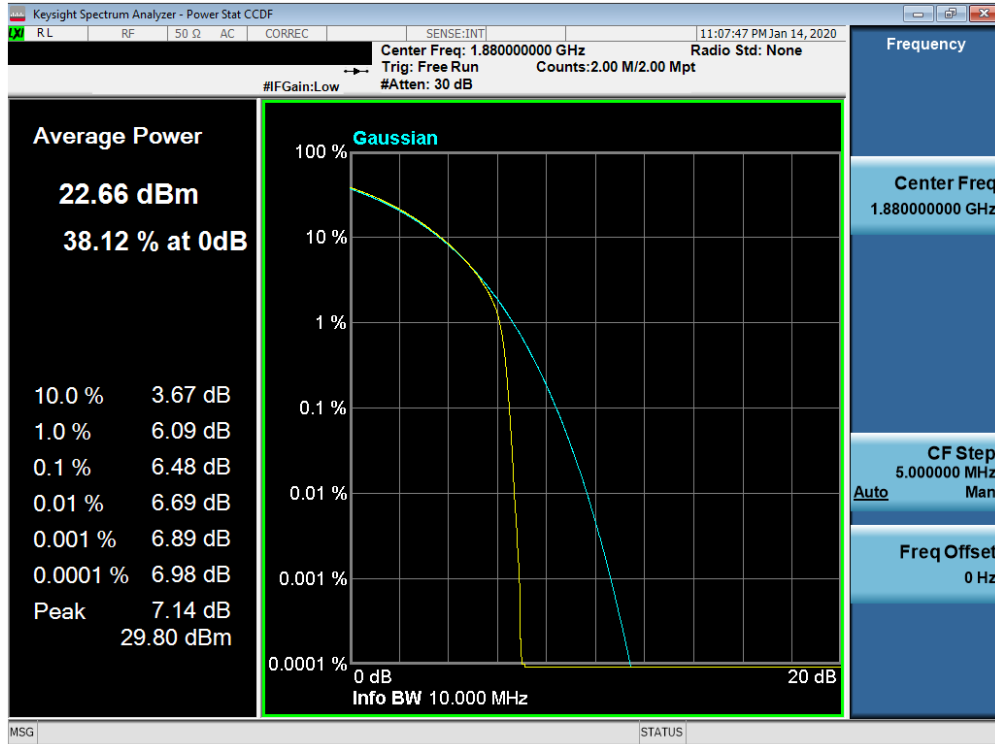


Plot 7-406. PAR Plot (Band n2 - 5.0MHz CP-OFDM-256-QAM - Full RB Configuration)

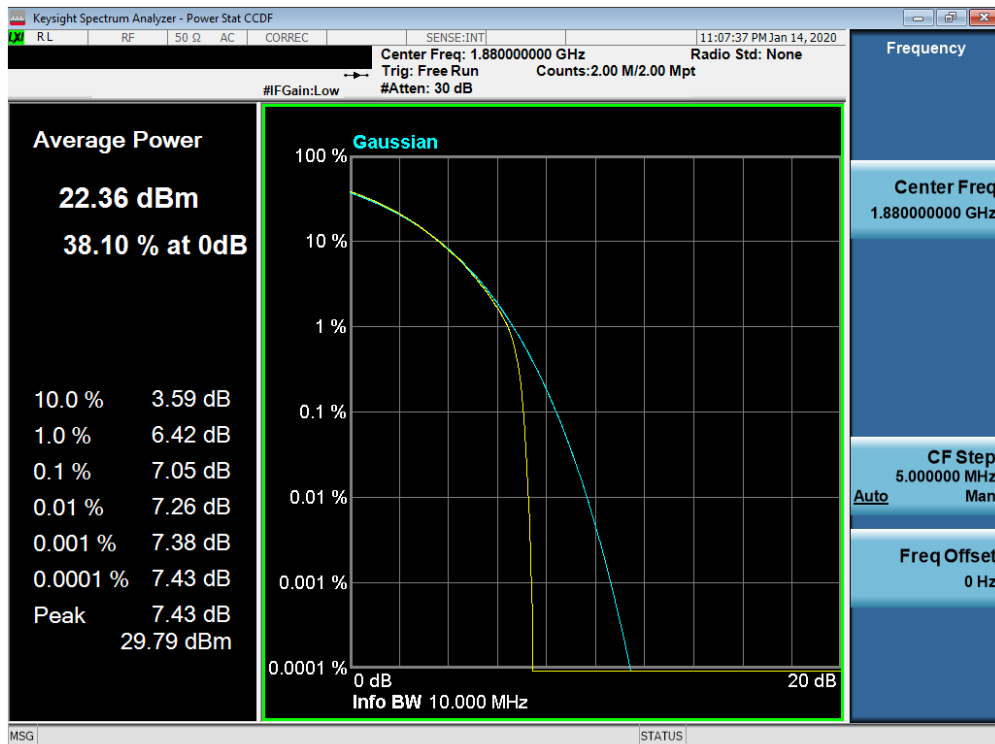


Plot 7-407. PAR Plot (Band n2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 269 of 302

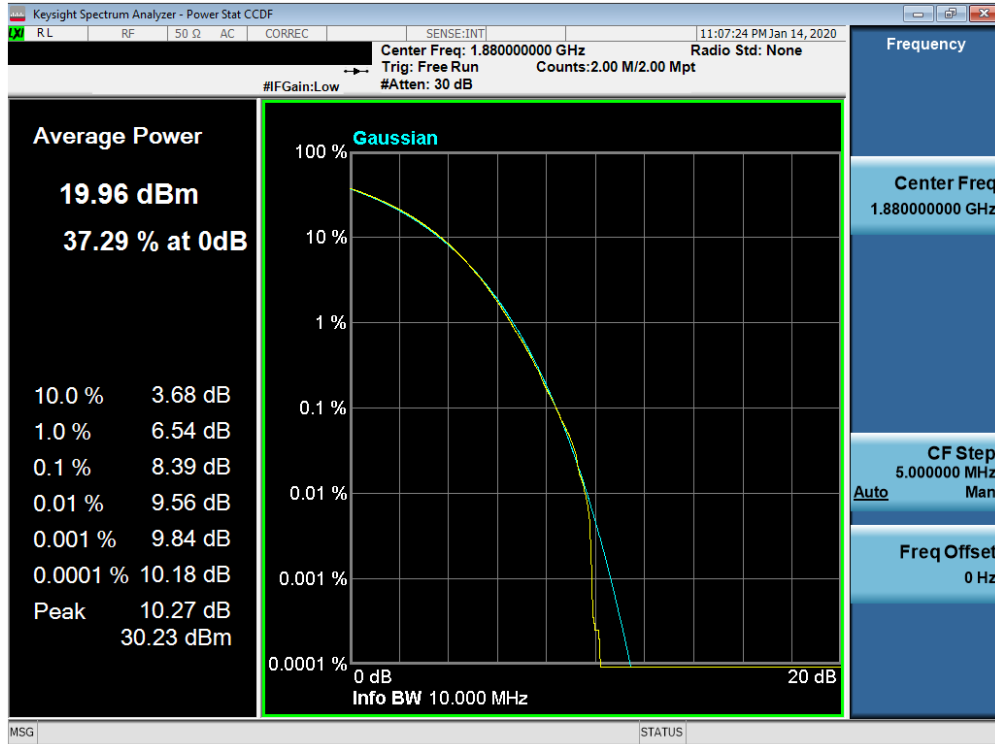


Plot 7-408. PAR Plot (Band n2 - 10.0MHz CP-OFDM-16-QAM - Full RB Configuration)

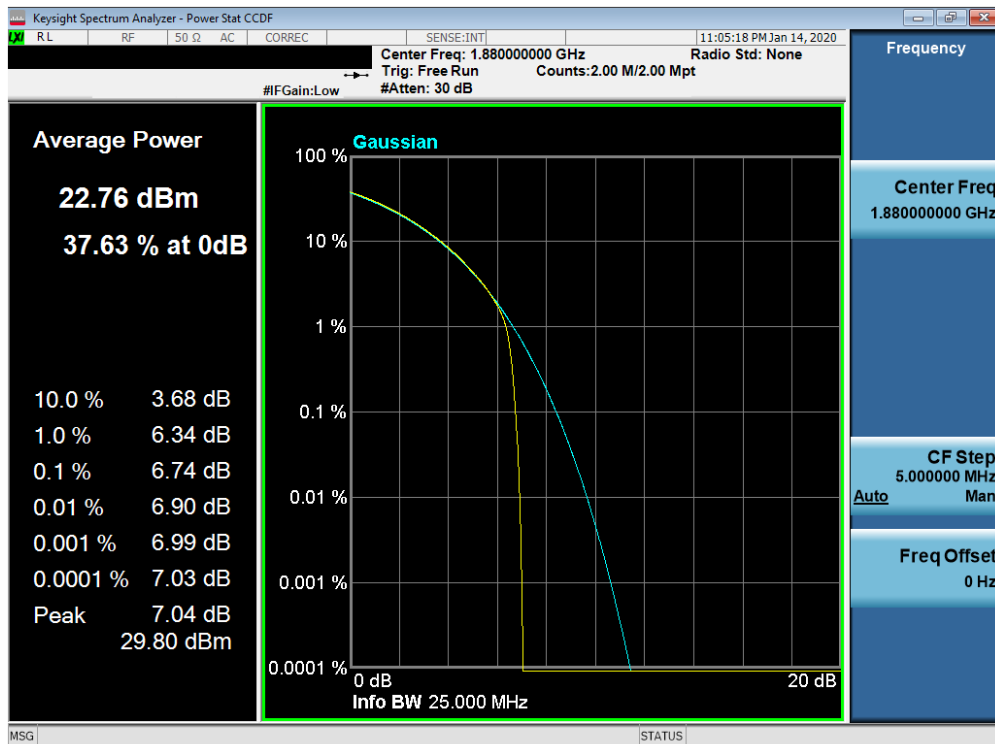


Plot 7-409. PAR Plot (Band n2 - 10.0MHz CP-OFDM-64-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 270 of 302

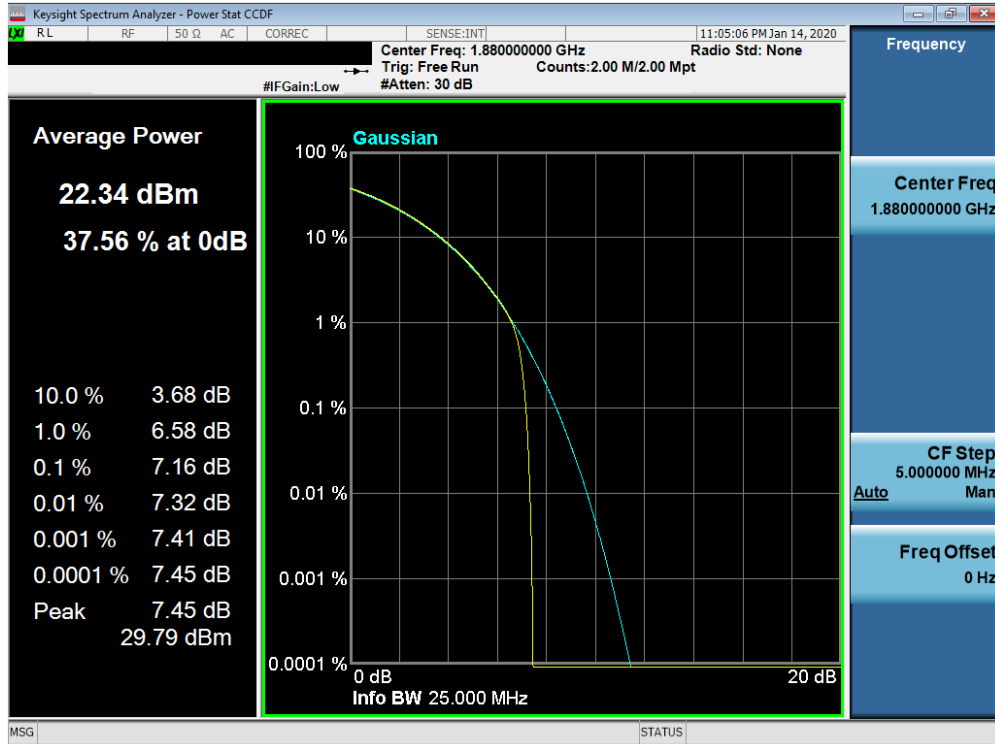


Plot 7-410. PAR Plot (Band n2 - 10.0MHz CP-OFDM-256-QAM - Full RB Configuration)

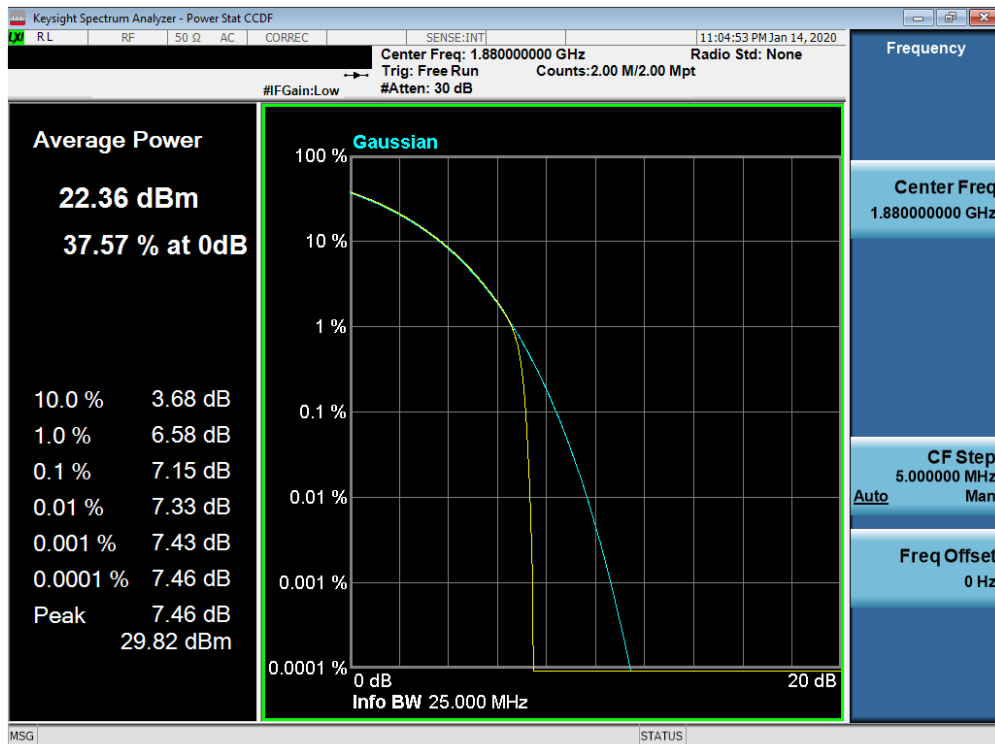


Plot 7-411. PAR Plot (Band n2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 271 of 302

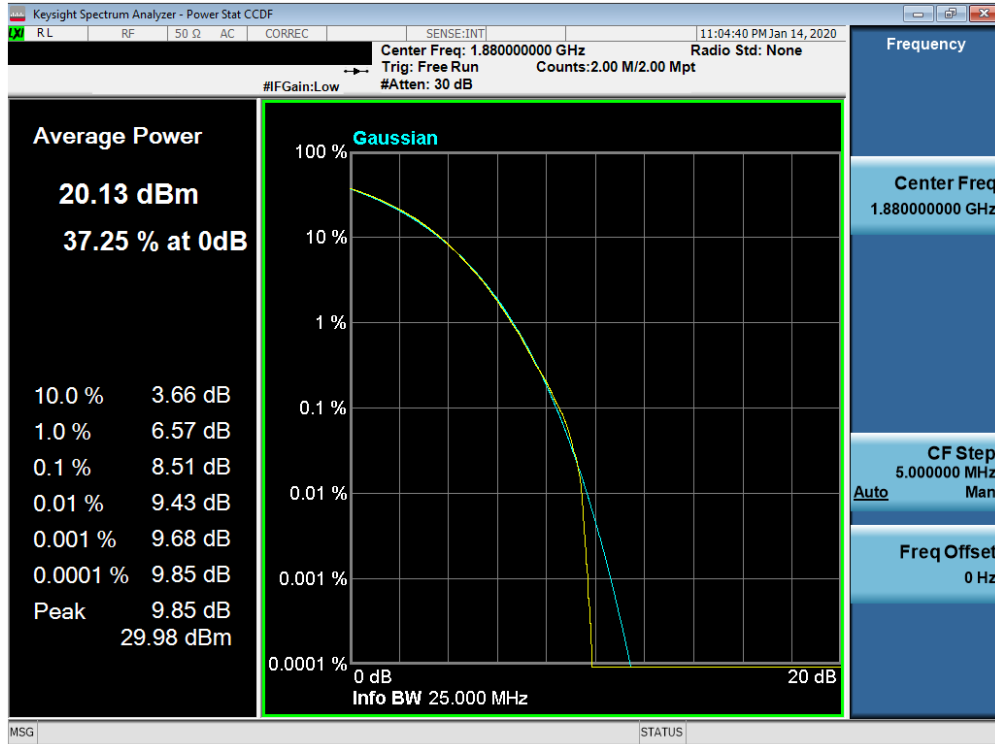


Plot 7-412. PAR Plot (Band n2 - 15.0MHz CP-OFDM-16-QAM - Full RB Configuration)

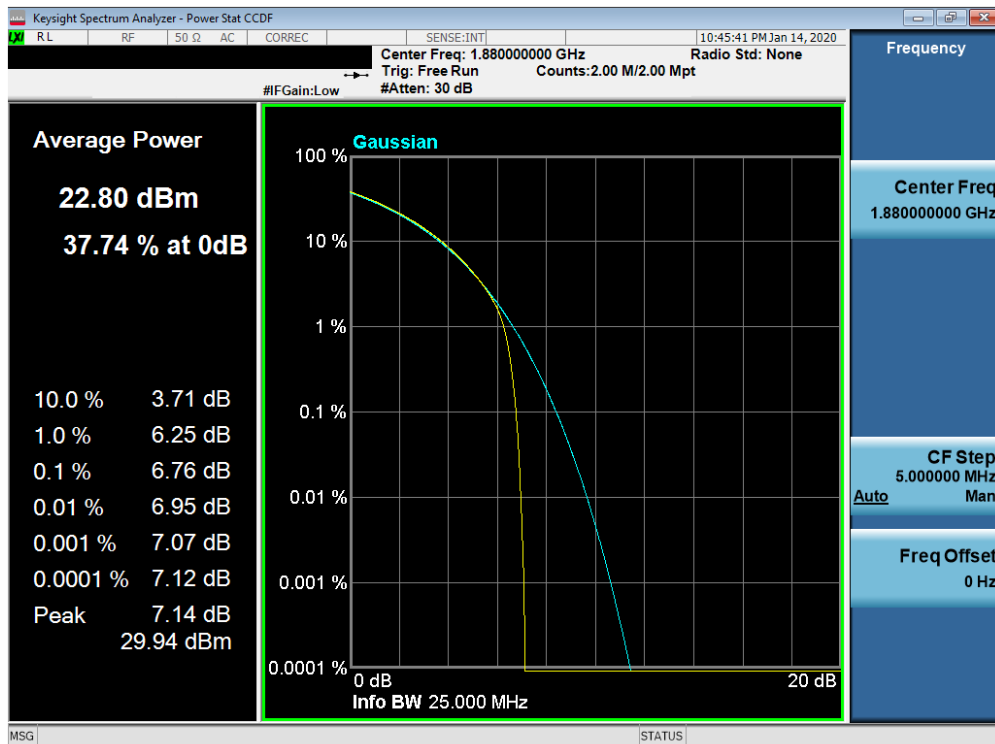


Plot 7-413. PAR Plot (Band n2 - 15.0MHz CP-OFDM-64-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset			Page 272 of 302

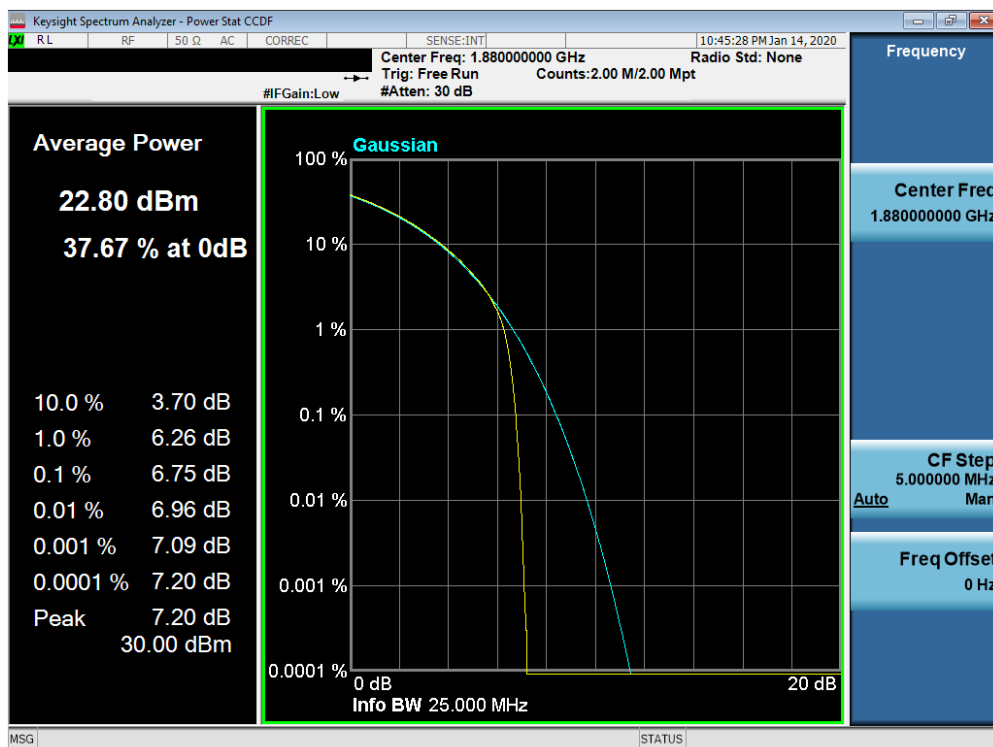


Plot 7-414. PAR Plot (Band n2 - 15.0MHz CP-OFDM-256-QAM - Full RB Configuration)

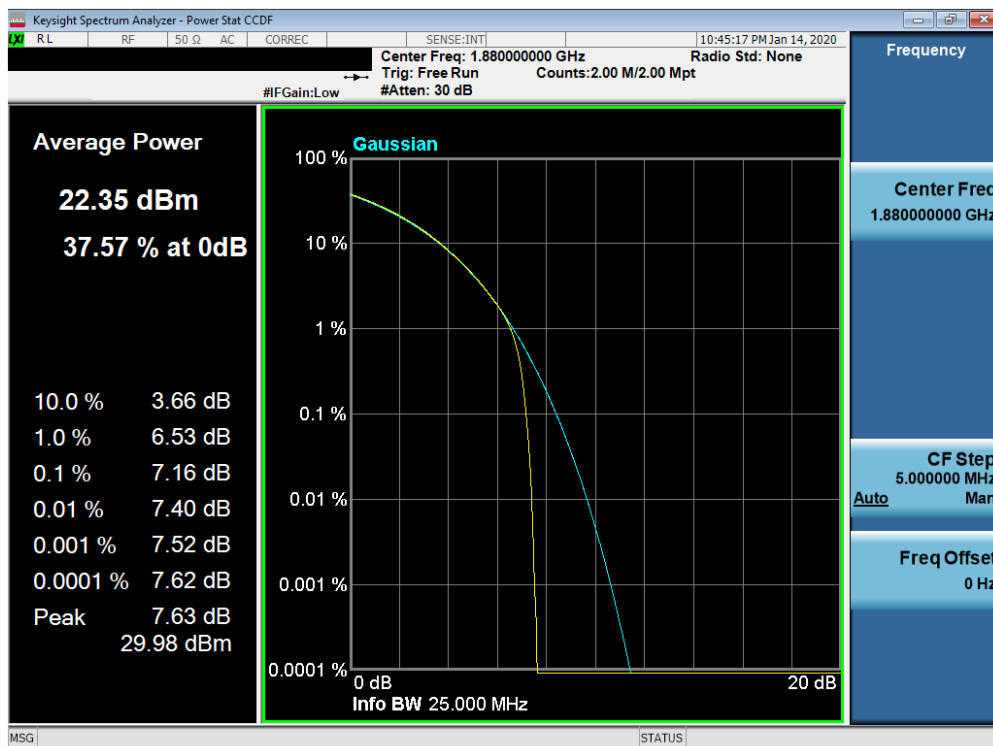


Plot 7-415. PAR Plot (Band n2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 273 of 302

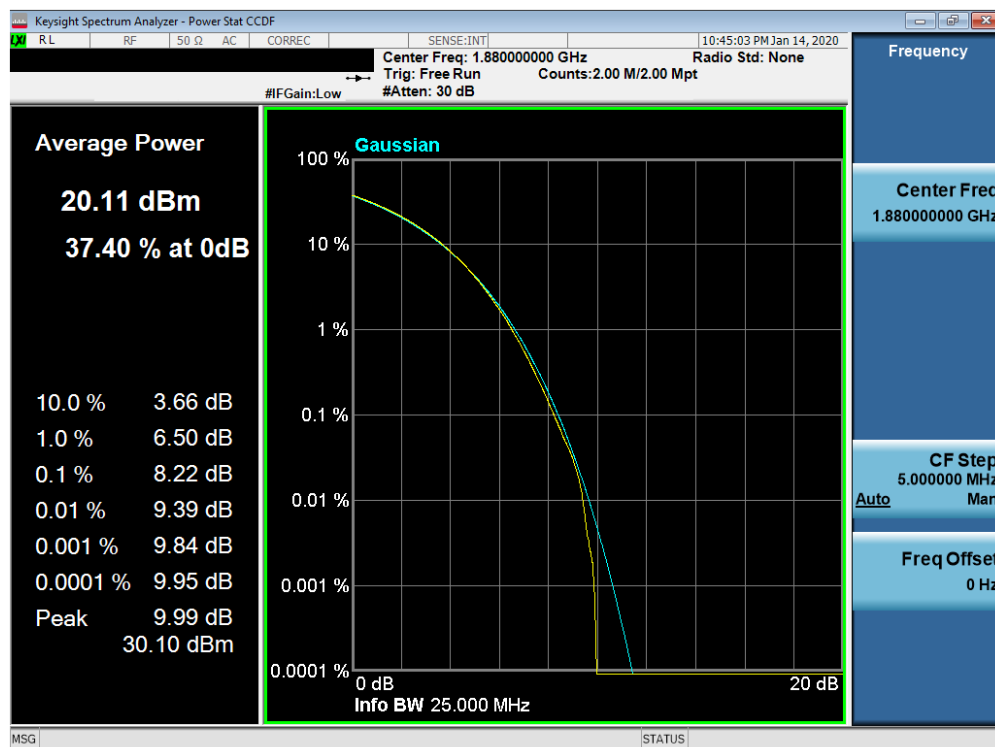


Plot 7-416. PAR Plot (Band n2 - 20.0MHz CP-OFDM-16-QAM - Full RB Configuration)



Plot 7-417. PAR Plot (Band n2 - 20.0MHz CP-OFDM-64-QAM - Full RB Configuration)

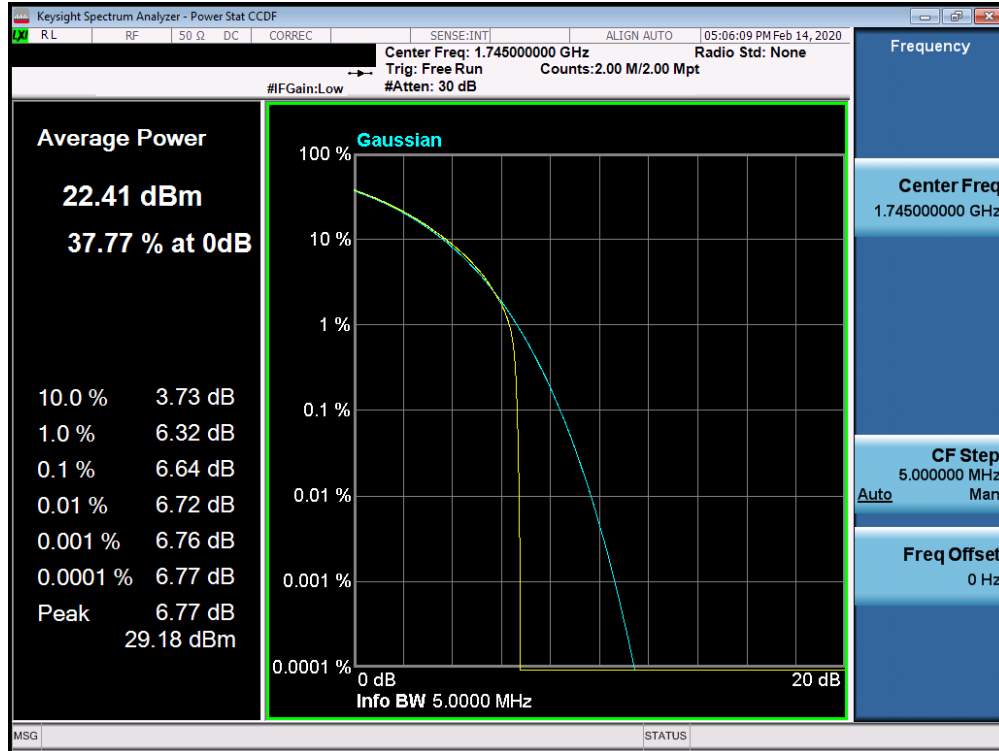
FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 274 of 302



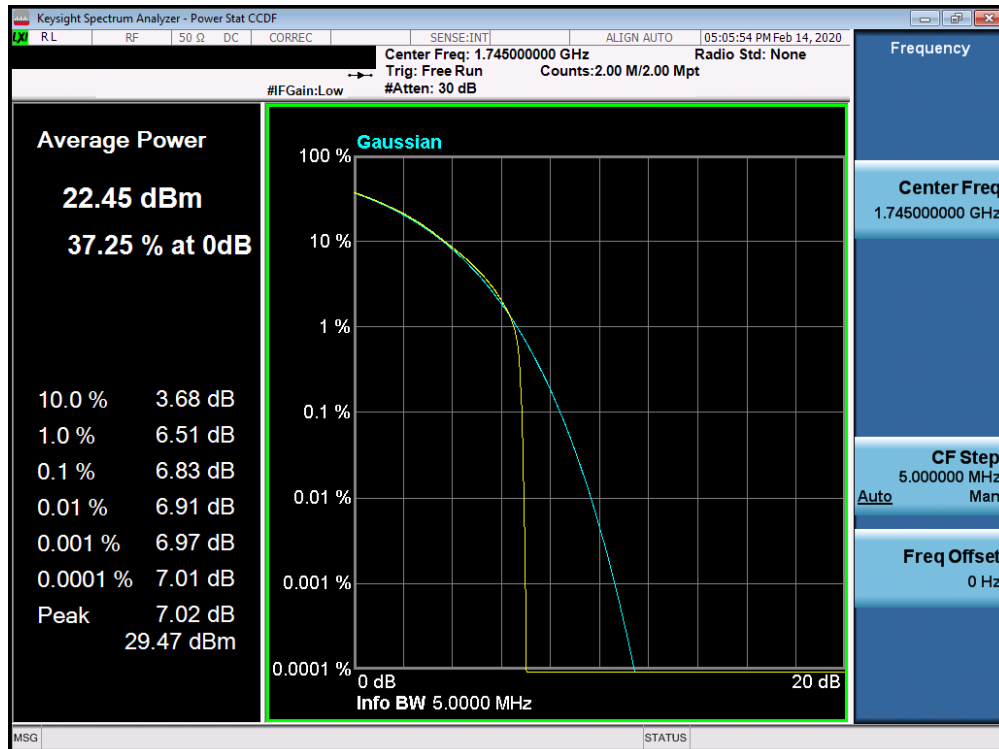
Plot 7-418. PAR Plot (Band n2 - 20.0MHz CP-OFDM-256-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 275 of 302

NR Band n66

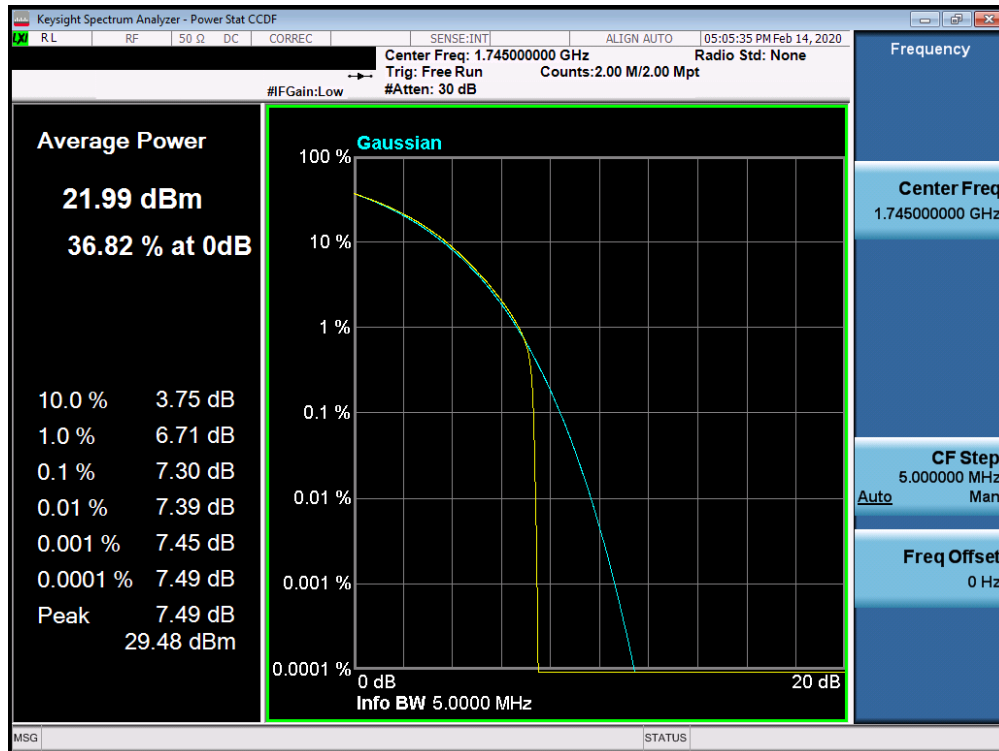


Plot 7-419. PAR Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

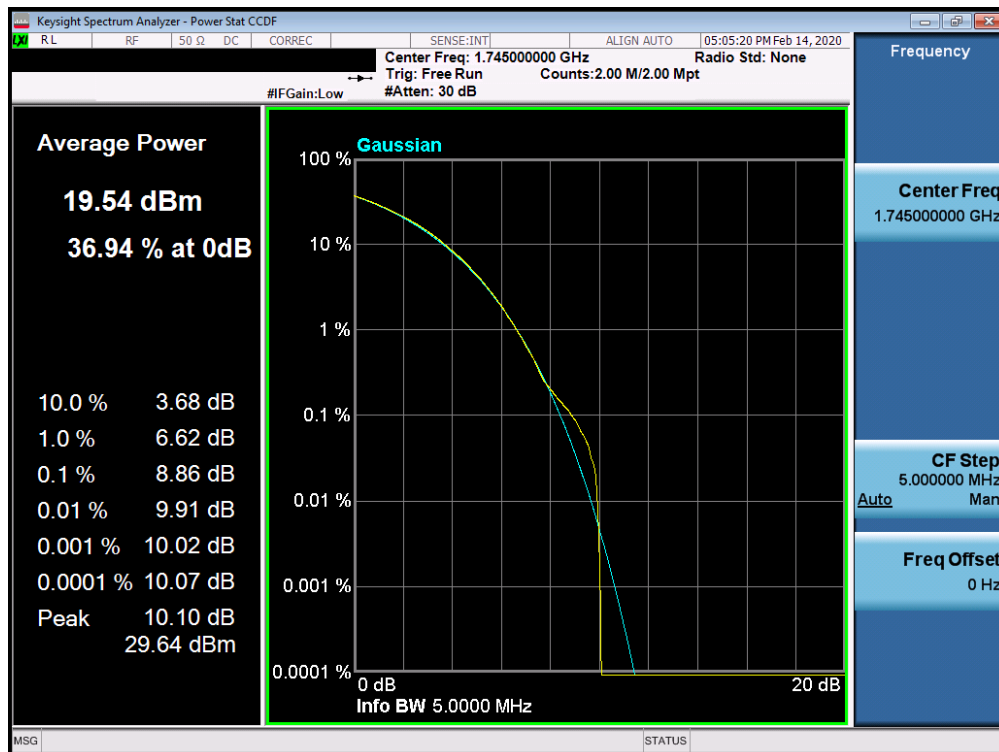


Plot 7-420. PAR Plot (Band n66 - 5.0MHz CP-OFDM-16-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 276 of 302

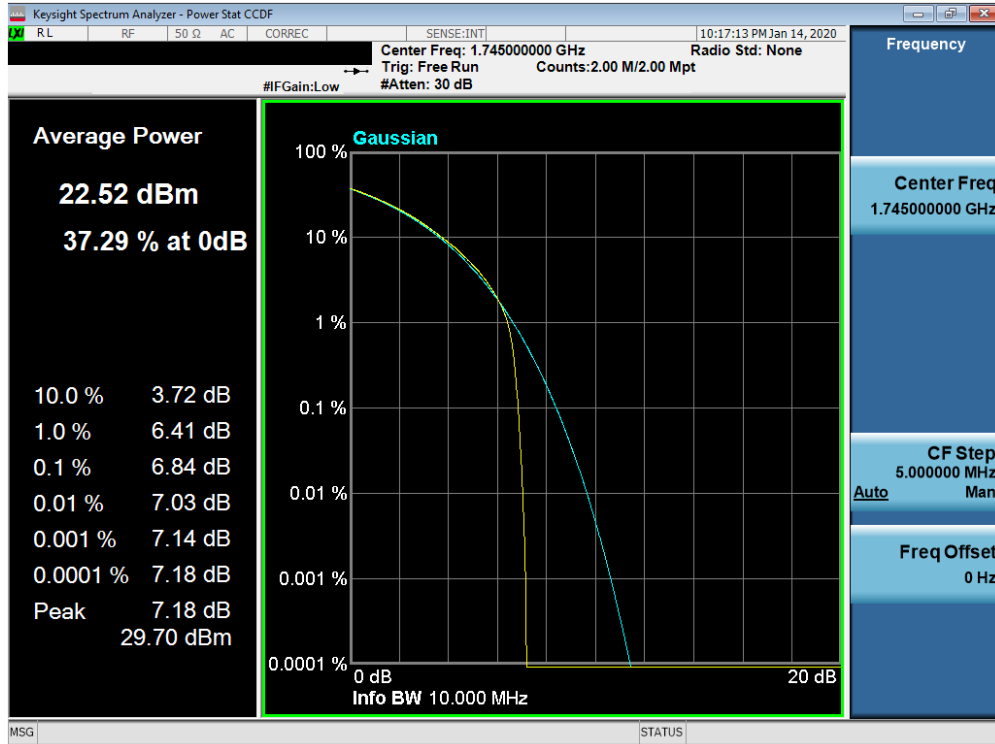


Plot 7-421. PAR Plot (Band n66 - 5.0MHz CP-OFDM-64-QAM - Full RB Configuration)

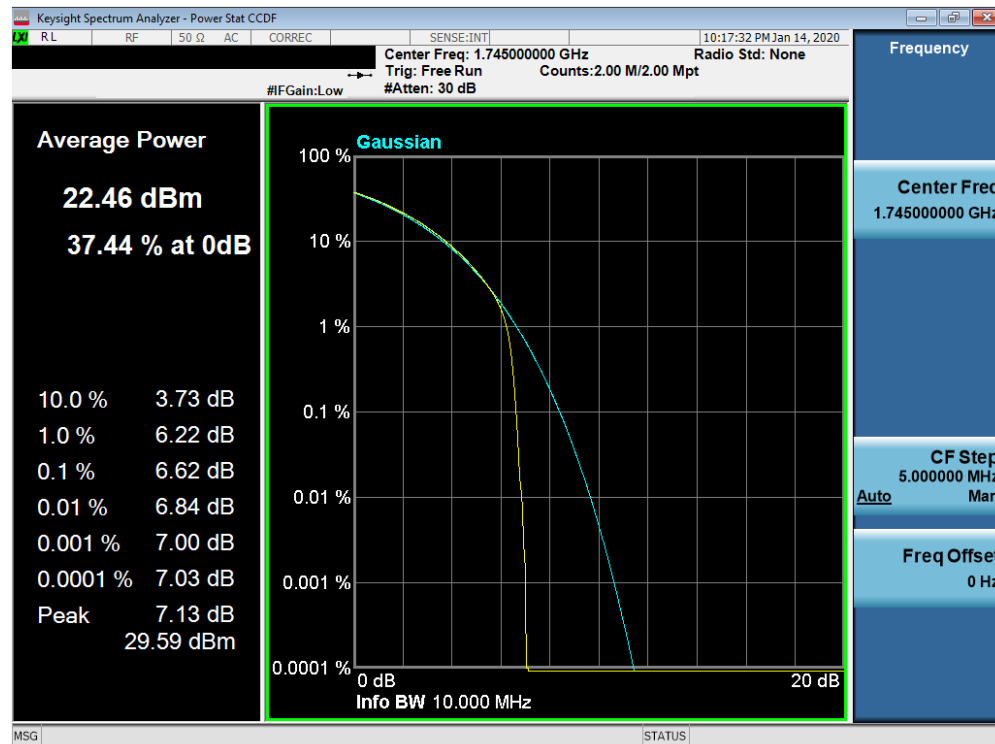


Plot 7-422. PAR Plot (Band n66 - 5.0MHz CP-OFDM-256-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 277 of 302

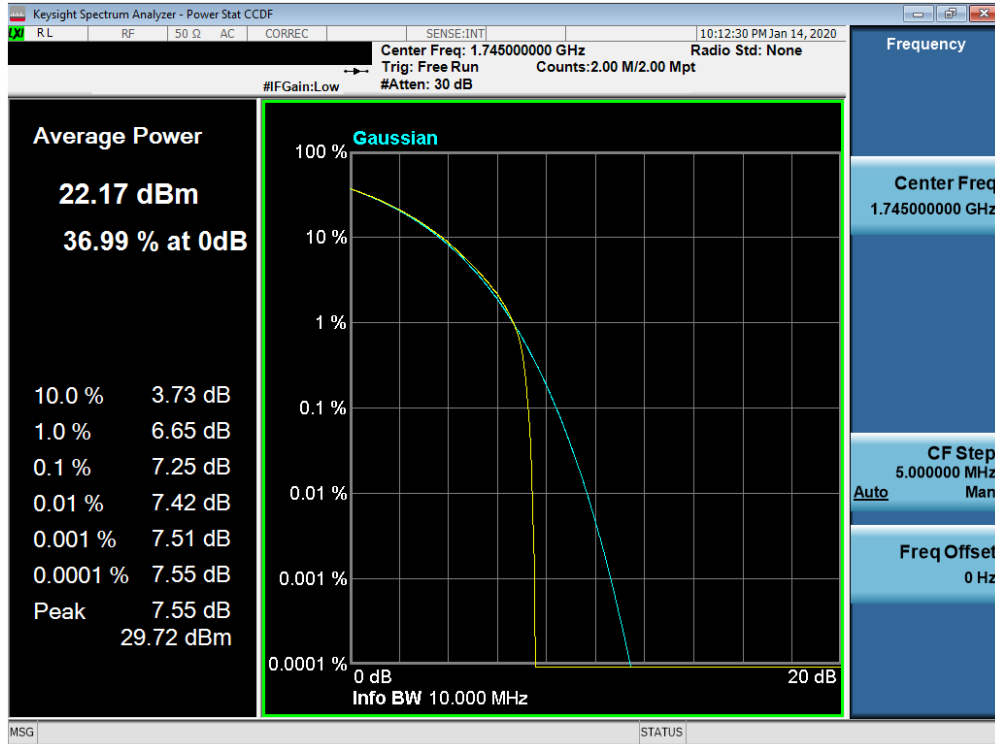


Plot 7-423. PAR Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

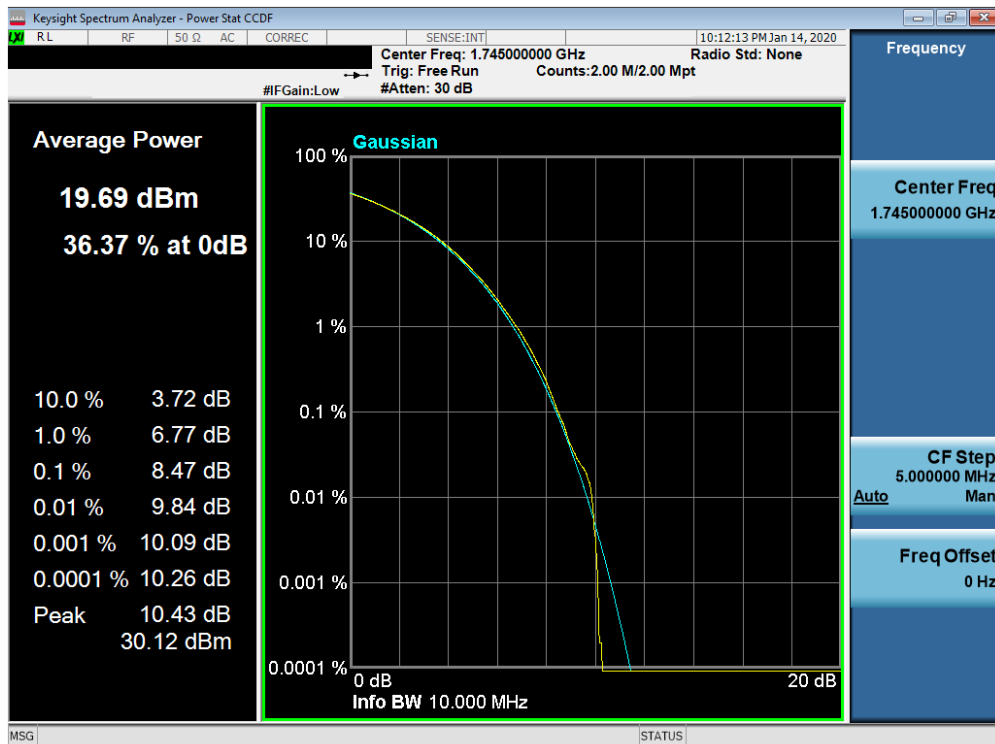


Plot 7-424. PAR Plot (Band n66 - 10.0MHz CP-OFDM-16-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 278 of 302

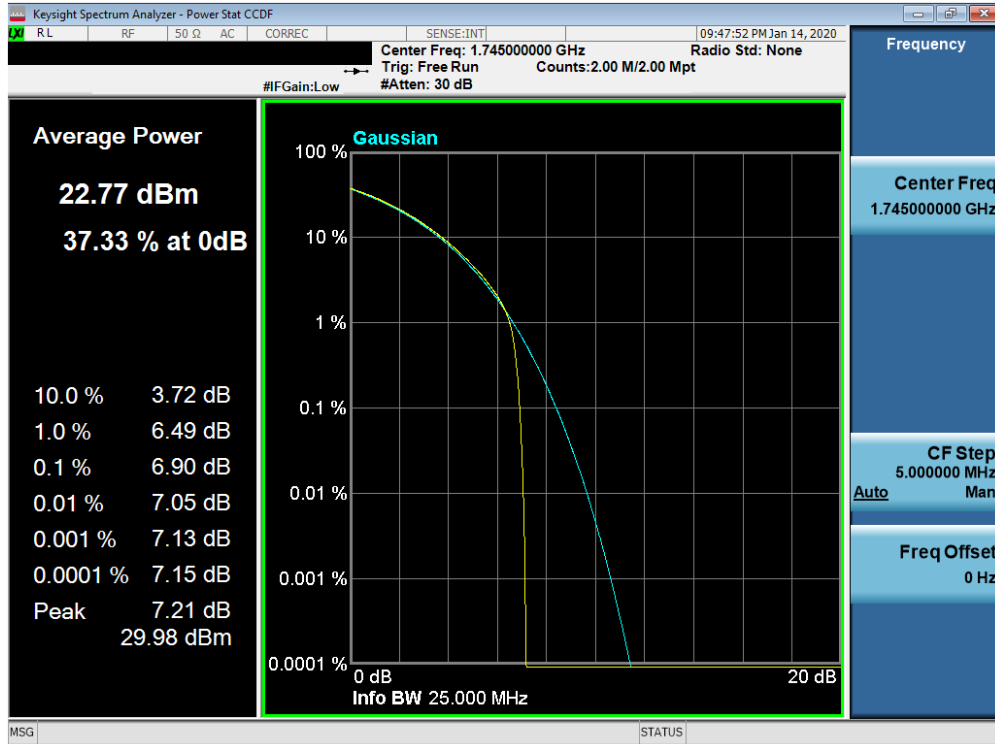


Plot 7-425. PAR Plot (Band n66 - 10.0MHz CP-OFDM-64-QAM - Full RB Configuration)

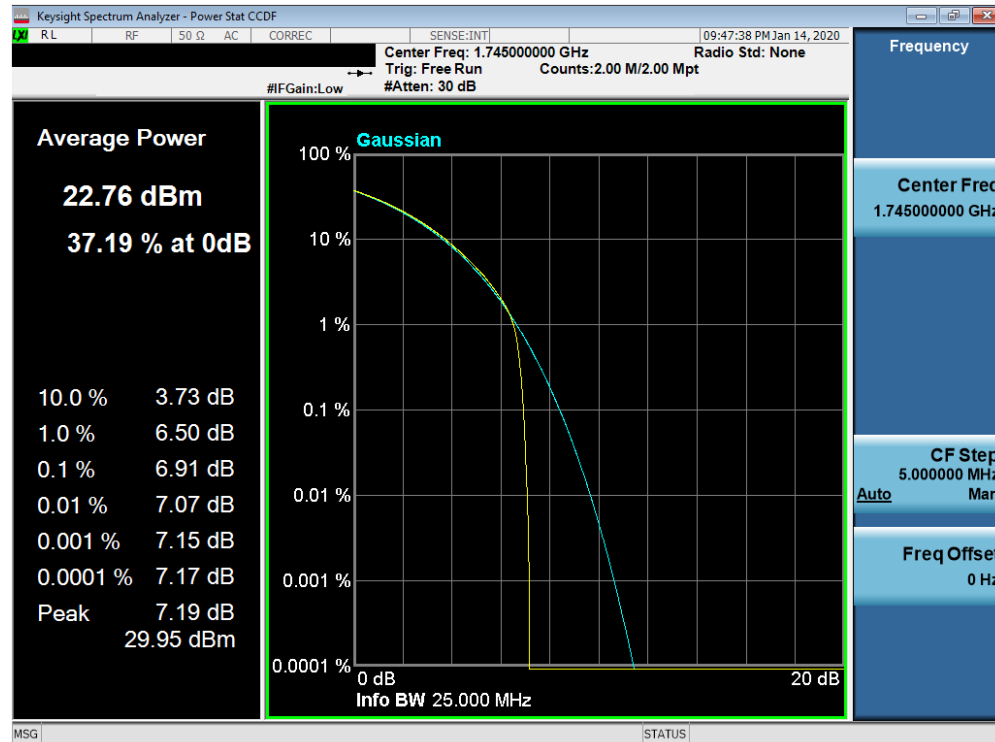


Plot 7-426. PAR Plot (Band n66 - 10.0MHz CP-OFDM-256-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 279 of 302

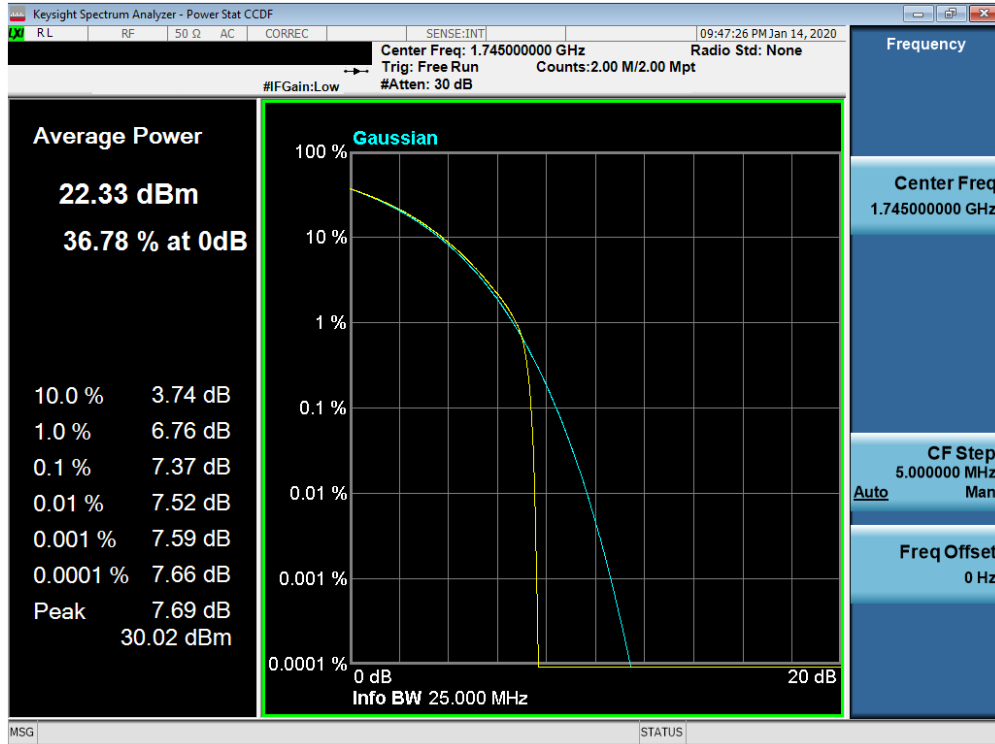


Plot 7-427. PAR Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

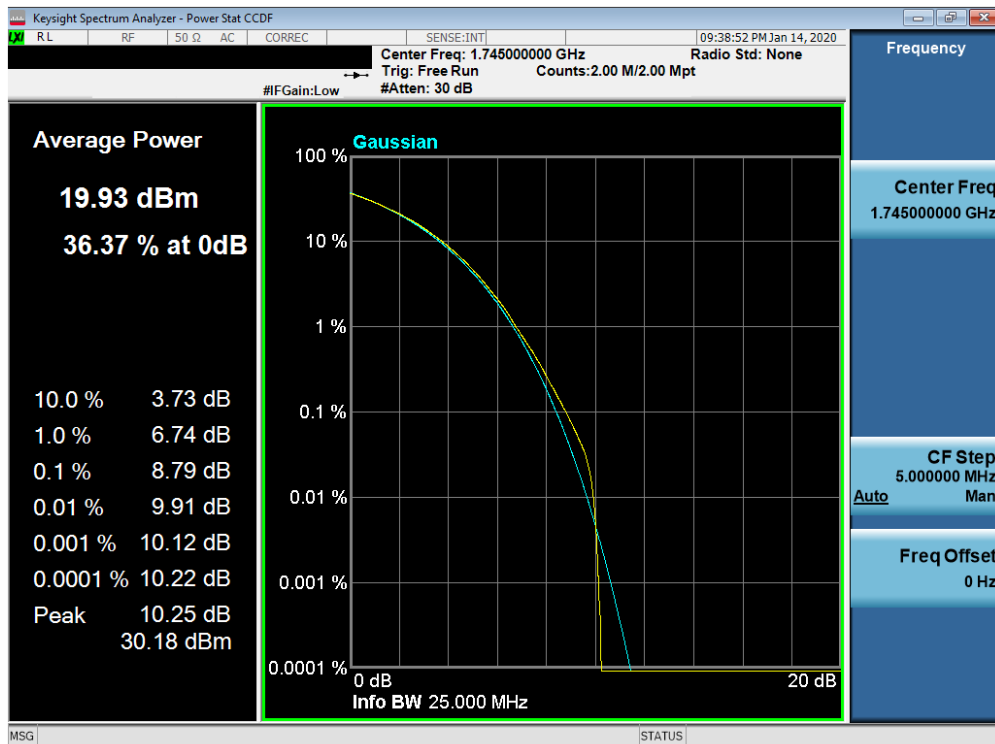


Plot 7-428. PAR Plot (Band n66 - 15.0MHz CP-OFDM-16-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 280 of 302

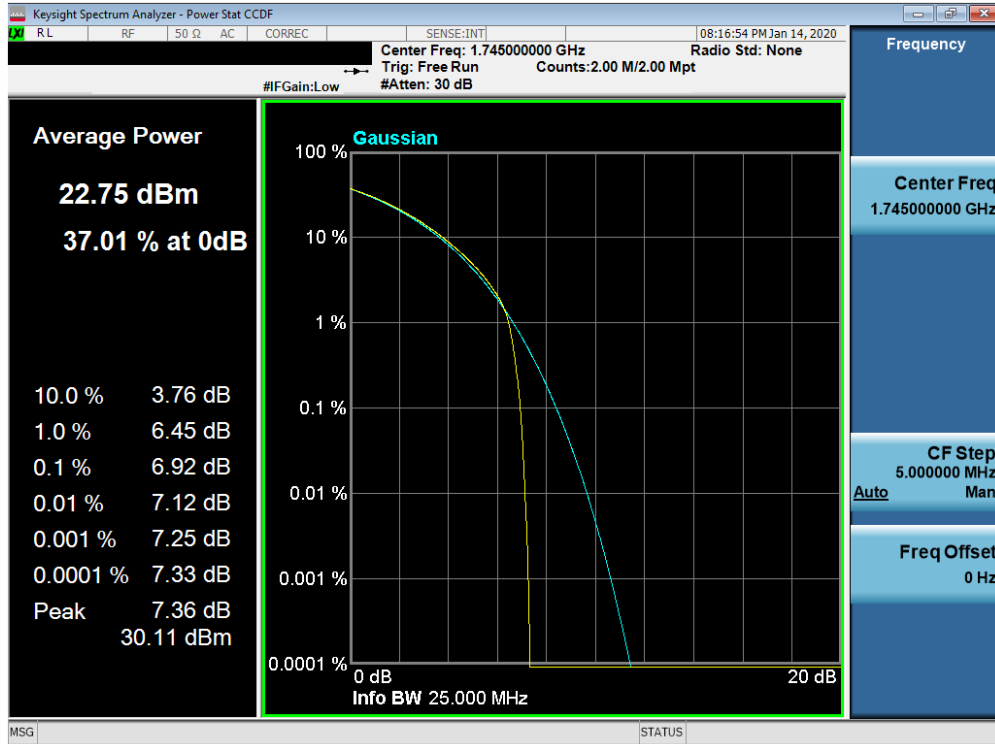


Plot 7-429. PAR Plot (Band n66 - 15.0MHz CP-OFDM-64-QAM - Full RB Configuration)

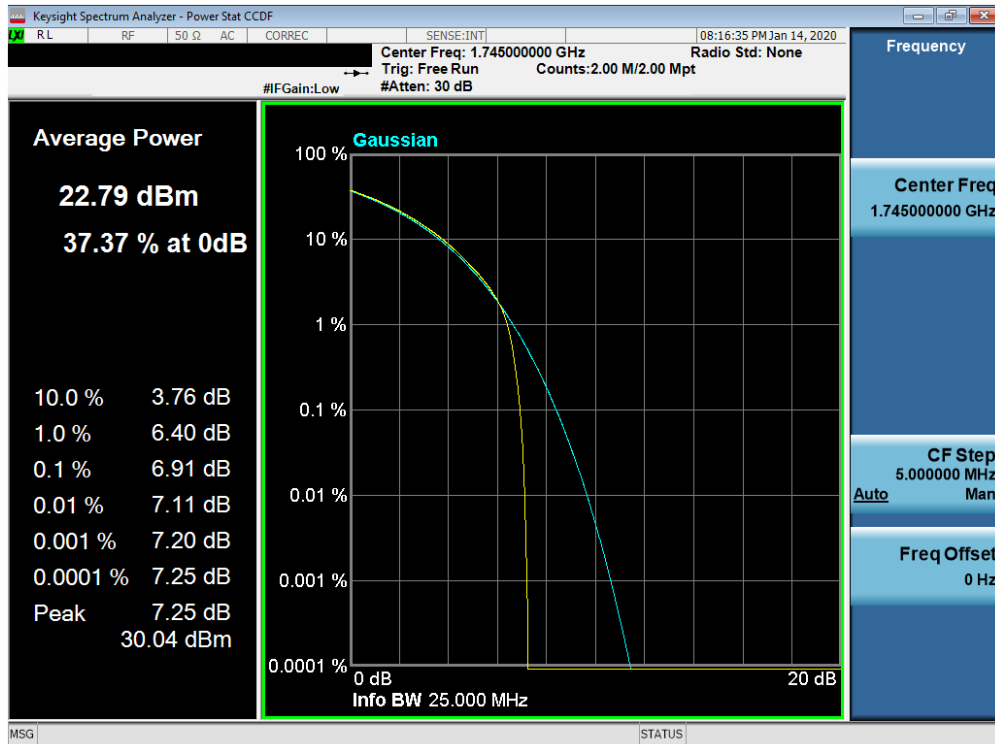


Plot 7-430. PAR Plot (Band n66 - 15.0MHz CP-OFDM-256-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 281 of 302

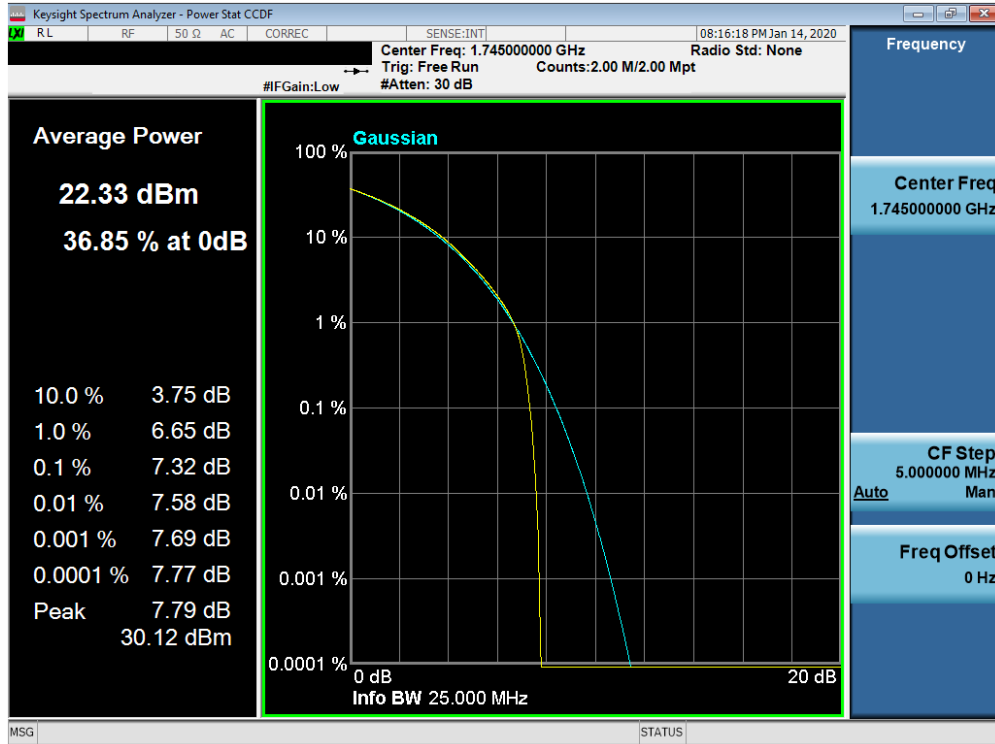


Plot 7-431. PAR Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

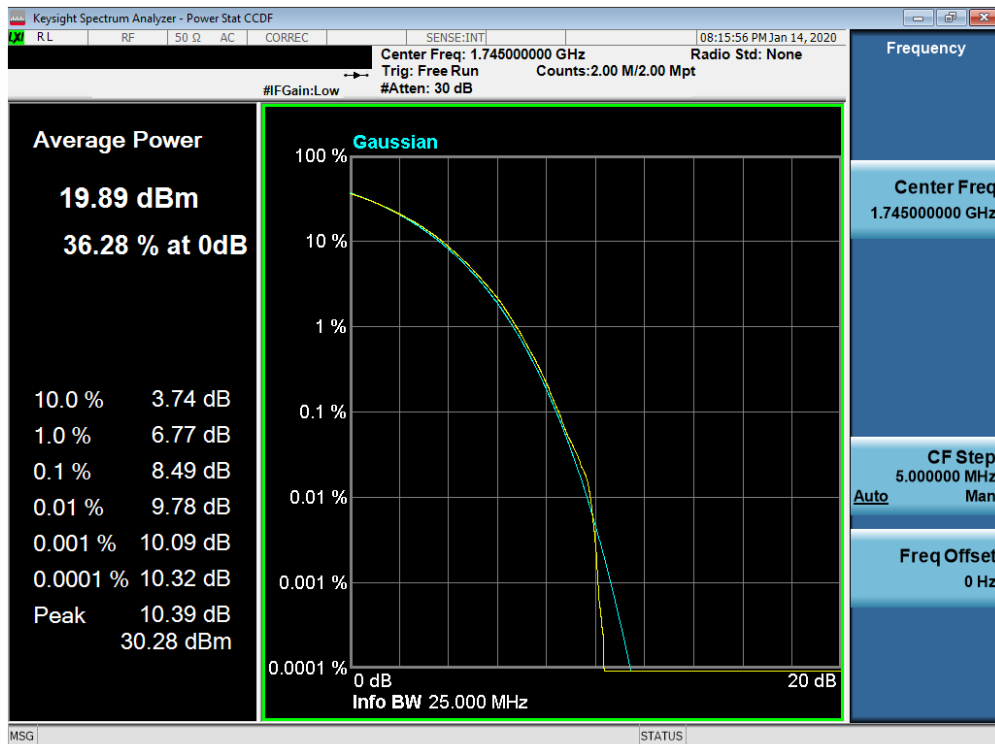


Plot 7-432. PAR Plot (Band n66 - 20.0MHz CP-OFDM-16-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 282 of 302



Plot 7-433. PAR Plot (Band n66 - 20.0MHz CP-OFDM-64-QAM - Full RB Configuration)



Plot 7-434. PAR Plot (Band n66 - 20.0MHz CP-OFDM-256-QAM - Full RB Configuration)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 283 of 302

Radiated Powers (ERP/EIRP)

All SCS's and Waveforms (CP-OFDM vs 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. Additional Data added representing other configurations (eg. CP-OFDM).

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	5	QPSK	V	151	46	1 / 1	10.42	6.30	14.57	0.029	38.45	-23.88	16.72	0.047	40.61	-23.89
836.50	5	QPSK	V	142	140	1 / 40	10.89	6.40	15.14	0.033	38.45	-23.31	17.29	0.054	40.61	-23.32
848.30	5	QPSK	V	151	66	1 / 40	10.67	6.50	15.02	0.032	38.45	-23.43	17.17	0.052	40.61	-23.44
836.50	5	16-QAM	V	142	140	1 / 40	8.95	6.40	13.20	0.021	38.45	-25.25	15.35	0.034	40.61	-25.26
836.50	5	64-QAM	V	142	140	1 / 40	8.02	6.40	12.27	0.017	38.45	-26.18	14.42	0.028	40.61	-26.19
836.50	5	256-QAM	V	142	140	1 / 40	5.95	6.40	10.20	0.010	38.45	-28.25	12.35	0.017	40.61	-28.26
825.50	10	QPSK	V	140	72	1 / 1	10.57	6.30	14.72	0.030	38.45	-23.73	16.87	0.049	40.61	-23.74
836.50	10	QPSK	V	141	130	1 / 1	10.94	6.40	15.19	0.033	38.45	-23.26	17.34	0.054	40.61	-23.27
847.50	10	QPSK	V	140	71	1 / 1	10.74	6.50	15.09	0.032	38.45	-23.36	17.24	0.053	40.61	-23.37
836.50	10	16-QAM	V	141	130	1 / 1	9.00	6.40	13.25	0.021	38.45	-25.20	15.40	0.035	40.61	-25.21
836.50	10	64-QAM	V	141	130	1 / 1	8.07	6.40	12.32	0.017	38.45	-26.13	14.47	0.028	40.61	-26.14
836.50	10	256-QAM	V	141	130	1 / 1	6.00	6.40	10.25	0.011	38.45	-28.20	12.40	0.017	40.61	-28.21
826.50	15	QPSK	V	150	70	1 / 1	11.17	6.30	15.32	0.034	38.45	-23.13	17.47	0.056	40.61	-23.14
836.50	15	QPSK	V	132	122	1 / 1	10.88	6.40	15.13	0.033	38.45	-23.32	17.28	0.053	40.61	-23.33
846.50	15	QPSK	V	139	82	1 / 1	10.81	6.50	15.16	0.033	38.45	-23.29	17.31	0.054	40.61	-23.30
826.50	15	16-QAM	V	150	70	1 / 1	9.23	6.30	13.38	0.022	38.45	-25.07	15.53	0.036	40.61	-25.08
826.50	15	64-QAM	V	150	70	1 / 1	8.30	6.30	12.45	0.018	38.45	-26.00	14.60	0.029	40.61	-26.01
826.50	15	256-QAM	V	150	70	1 / 1	6.23	6.30	10.38	0.011	38.45	-28.07	12.53	0.018	40.61	-28.08
829.00	20	QPSK	V	144	75	1 / 1	9.76	6.30	13.91	0.025	38.45	-24.54	16.06	0.040	40.61	-24.55
836.50	20	QPSK	V	139	134	1 / 1	11.07	6.40	15.32	0.034	38.45	-23.13	17.47	0.056	40.61	-23.14
844.00	20	QPSK	V	142	71	1 / 1	9.82	6.40	14.07	0.026	38.45	-24.38	16.22	0.042	40.61	-24.39
836.50	20	16-QAM	V	139	134	1 / 1	9.13	6.40	13.38	0.022	38.45	-25.07	15.53	0.036	40.61	-25.08
836.50	20	64-QAM	V	139	134	1 / 1	8.20	6.40	12.45	0.018	38.45	-26.00	14.60	0.029	40.61	-26.01
836.50	20	256-QAM	V	139	134	1 / 1	6.13	6.40	10.38	0.011	38.45	-28.07	12.53	0.018	40.61	-28.08
826.50	15	QPSK	H	205	96	1 / 1	7.40	6.40	11.65	0.015	38.45	-26.80	13.80	0.024	40.61	-26.81
826.50	15 (WCP)	QPSK	V	139	134	1 / 1	8.69	6.40	12.94	0.020	38.45	-25.51	15.09	0.032	40.61	-25.52
826.50	15 (CP-OFDM)	QPSK	V	139	134	1 / 1	9.71	6.40	13.96	0.025	38.45	-24.49	16.11	0.041	40.61	-24.50
826.50	15 (WCP + DD)	QPSK	V	139	134	1 / 1	9.27	6.40	13.52	0.022	38.45	-24.93	15.67	0.037	40.61	-24.94

Table 7-35. ERP Data (n5)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 284 of 302

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.50	5	QPSK	H	147	329	1 / 13	12.46	9.43	21.89	0.155	30.00	-8.11
1745.00	5	QPSK	H	101	338	1 / 13	12.68	9.23	21.91	0.155	30.00	-8.09
1777.50	5	QPSK	H	121	330	1 / 13	12.64	9.26	21.90	0.155	30.00	-8.10
1745.00	5	16-QAM	H	101	338	1 / 13	10.27	9.23	19.50	0.089	30.00	-10.50
1745.00	5	64-QAM	H	101	338	1 / 13	9.28	9.23	18.51	0.071	30.00	-11.49
1745.00	5	256-QAM	H	101	338	1 / 13	6.84	9.23	16.07	0.040	30.00	-13.93
1715.00	10	QPSK	H	147	329	1 / 26	12.38	9.42	21.80	0.151	30.00	-8.20
1745.00	10	QPSK	H	101	338	1 / 1	12.61	9.23	21.84	0.153	30.00	-8.16
1775.00	10	QPSK	H	121	330	1 / 1	12.46	9.25	21.71	0.148	30.00	-8.29
1745.00	10	16-QAM	H	101	338	1 / 1	10.20	9.23	19.43	0.088	30.00	-10.57
1745.00	10	64-QAM	H	101	338	1 / 1	9.21	9.23	18.44	0.070	30.00	-11.56
1745.00	10	256-QAM	H	101	338	1 / 1	6.77	9.23	16.00	0.040	30.00	-14.00
1717.50	15	QPSK	H	147	329	1 / 77	12.58	9.40	21.98	0.158	30.00	-8.02
1745.00	15	QPSK	H	101	338	1 / 1	12.83	9.23	22.06	0.161	30.00	-7.94
1772.50	15	QPSK	H	121	330	1 / 77	12.78	9.25	22.03	0.160	30.00	-7.97
1745.00	15	16-QAM	H	101	338	1 / 1	10.42	9.23	19.65	0.092	30.00	-10.35
1745.00	15	64-QAM	H	101	338	1 / 1	9.43	9.23	18.66	0.073	30.00	-11.34
1745.00	15	256-QAM	H	101	338	1 / 1	6.99	9.23	16.22	0.042	30.00	-13.78
1720.00	20	QPSK	H	147	329	1 / 1	14.07	9.38	23.45	0.222	30.00	-6.55
1745.00	20	QPSK	H	101	338	1 / 1	15.51	9.23	24.74	0.298	30.00	-5.26
1770.00	20	QPSK	H	121	330	1 / 53	14.61	9.24	23.85	0.243	30.00	-6.15
1745.00	20	16-QAM	H	101	338	1 / 1	13.10	9.23	22.33	0.171	30.00	-7.67
1745.00	20	64-QAM	H	101	338	1 / 1	12.11	9.23	21.34	0.136	30.00	-8.66
1745.00	20	256-QAM	H	101	338	1 / 1	9.67	9.23	18.90	0.078	30.00	-11.10
1745.00	20	QPSK	V	225	312	1 / 1	12.43	9.23	21.66	0.147	30.00	-8.34
1745.00	20 (WCP)	QPSK	H	129	316	1 / 1	12.47	9.23	21.70	0.148	30.00	-8.30
1745.00	20 (CP-OFDM)	QPSK	H	101	338	1 / 1	13.40	9.23	22.63	0.183	30.00	-7.37
1745.00	20 (WCP + DD)	QPSK	H	133	320	1 / 1	12.70	9.23	21.93	0.156	30.00	-8.07

Table 7-36. EIRP Data (n66)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 285 of 302

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.50	5	QPSK	H	250	172	1 / 23	16.30	9.51	25.81	0.381	33.01	-7.20
1880.00	5	QPSK	H	148	157	1 / 23	15.96	9.90	25.86	0.385	33.01	-7.15
1907.50	5	QPSK	H	111	160	1 / 23	15.44	10.24	25.68	0.370	33.01	-7.33
1880.00	5	16-QAM	H	148	157	1 / 23	14.34	9.90	24.24	0.265	33.01	-8.77
1880.00	5	64-QAM	H	148	157	1 / 23	13.25	9.90	23.15	0.207	33.01	-9.86
1880.00	5	256-QAM	H	148	157	1 / 23	11.68	9.90	21.58	0.144	33.01	-11.43
1855.00	10	QPSK	H	252	158	1 / 1	16.12	9.55	25.67	0.369	33.01	-7.34
1880.00	10	QPSK	H	149	149	1 / 50	15.97	9.90	25.87	0.386	33.01	-7.14
1905.00	10	QPSK	H	113	171	1 / 26	15.36	10.22	25.58	0.361	33.01	-7.43
1880.00	10	16-QAM	H	149	149	1 / 50	14.35	9.90	24.25	0.266	33.01	-8.76
1880.00	10	64-QAM	H	149	149	1 / 50	13.26	9.90	23.16	0.207	33.01	-9.85
1880.00	10	256-QAM	H	149	149	1 / 50	11.69	9.90	21.59	0.144	33.01	-11.42
1857.50	15	QPSK	H	250	162	1 / 77	16.38	9.58	25.96	0.394	33.01	-7.05
1880.00	15	QPSK	H	149	166	1 / 40	16.02	9.90	25.92	0.391	33.01	-7.09
1902.50	15	QPSK	H	111	160	1 / 77	15.73	10.20	25.93	0.392	33.01	-7.08
1857.50	15	16-QAM	H	250	162	1 / 77	14.76	9.58	24.34	0.272	33.01	-8.67
1857.50	15	64-QAM	H	250	162	1 / 77	13.67	9.58	23.25	0.211	33.01	-9.76
1857.50	15	256-QAM	H	250	162	1 / 77	12.10	9.58	21.68	0.147	33.01	-11.33
1860.00	20	QPSK	H	256	168	1 / 99	15.53	9.62	25.15	0.327	33.01	-7.86
1880.00	20	QPSK	H	150	159	1 / 53	15.23	9.90	25.13	0.326	33.01	-7.88
1900.00	20	QPSK	H	109	167	1 / 53	15.91	10.18	26.09	0.406	33.01	-6.92
1900.00	20	16-QAM	H	109	167	1 / 53	14.29	10.18	24.47	0.280	33.01	-8.54
1900.00	20	64-QAM	H	109	167	1 / 53	13.20	10.18	23.38	0.218	33.01	-9.63
1900.00	20	256-QAM	H	109	167	1 / 53	11.63	10.18	21.81	0.152	33.01	-11.20
1900.00	20	QPSK	V	275	262	1 / 53	14.81	9.90	24.71	0.296	33.01	-8.30
1900.00	20 (WCP)	QPSK	V	126	296	1 / 53	13.27	10.18	23.45	0.221	33.01	-9.56
1900.00	20 (CP)	QPSK	H	109	167	1 / 53	13.54	10.18	23.72	0.236	33.01	-9.29
1900.00	20 (WCP + DD)	QPSK	H	121	160	1 / 53	13.54	10.18	23.72	0.236	33.01	-9.29

Table 7-37. EIRP Data (n2)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 286 of 302

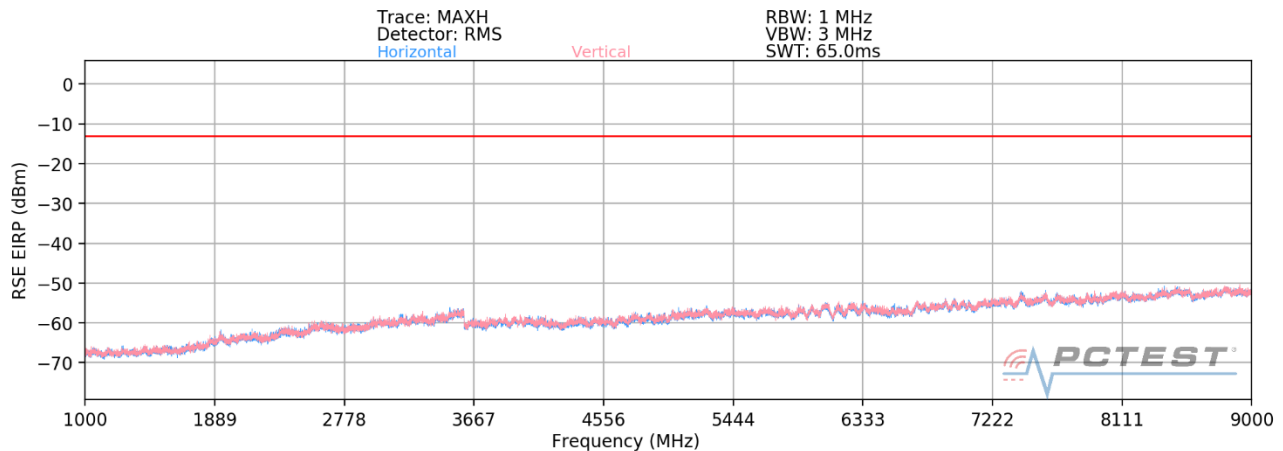
Radiated Spurious Emissions Measurements

All SCS's and Waveforms (CP-OFDM vs 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.

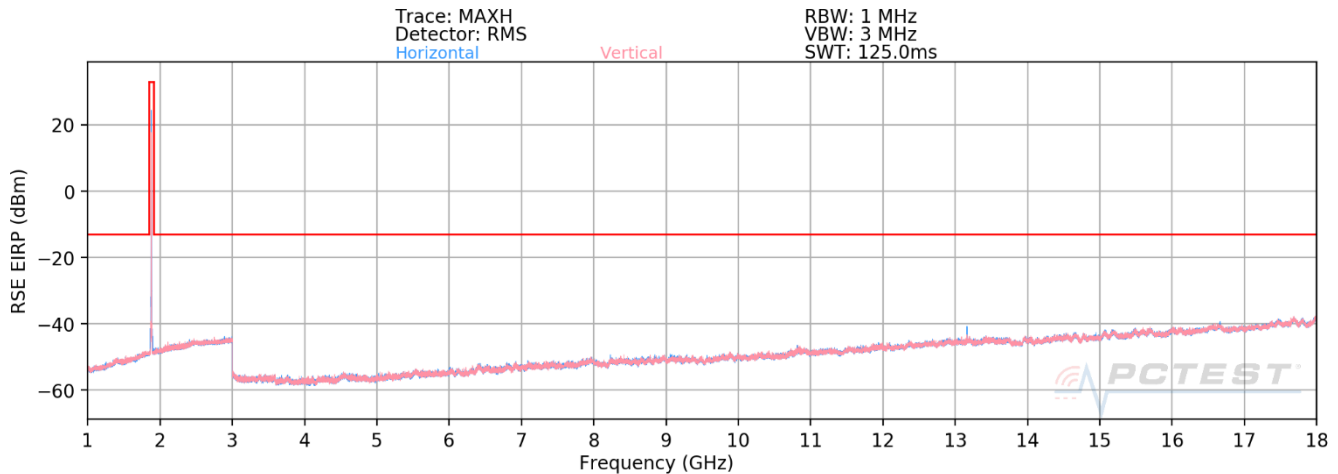
Per FCC Guidance, KDB 328880, Radiated Spurious Measurements were made based of the worst case modulation and RBV configuraton as determined by EIRP measurement, and grouping the available combinations by Low Band, Mid Band, and High Band.

Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Per KDB 968740, spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emission caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates. If the spurious emission is caused by the simultaneous operation of both devices, the limit is the highest level allowed by either rule part.

NR Band n5

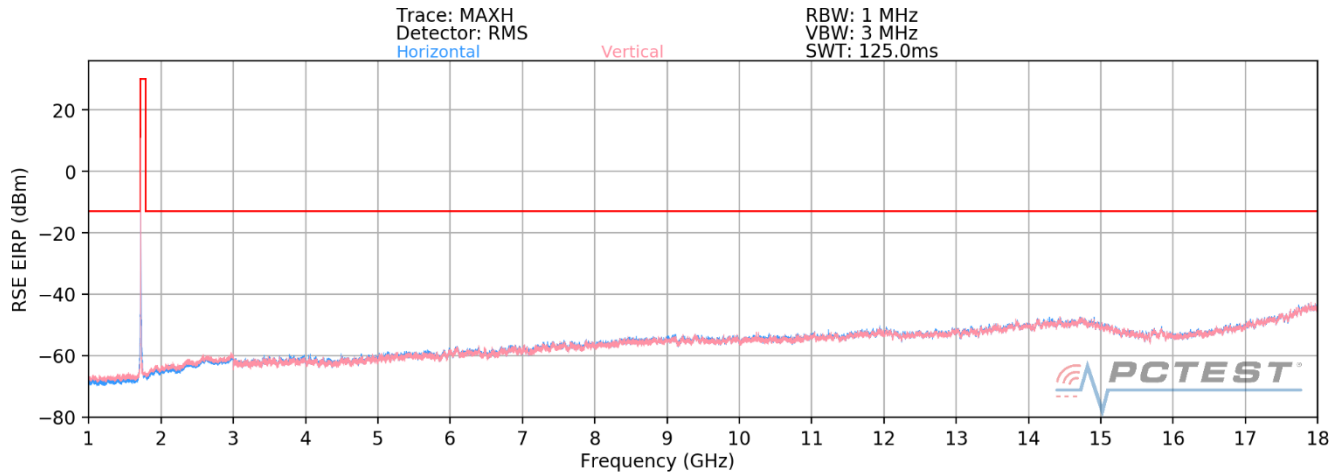


Plot 7-435. Radiated Spurious Plot above 1GHz (n5 Standalone)

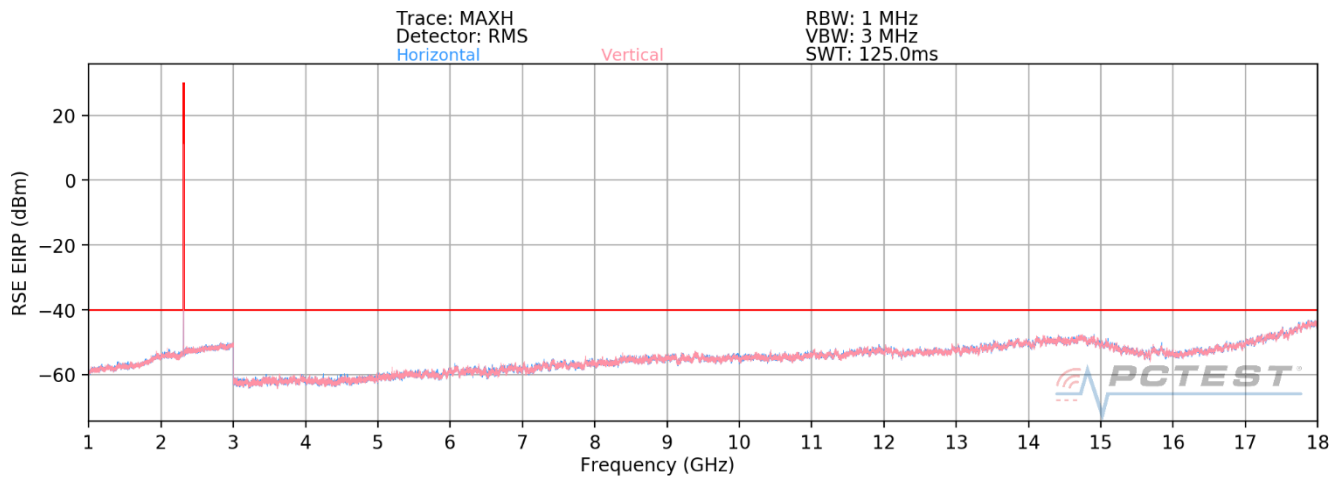


Plot 7-436. Radiated Spurious Plot above 1GHz (n5 ENDC - ANCHOR B2)

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 287 of 302



Plot 7-437. Radiated Spurious Plot above 1GHz (n5 ENDC – ANCHOR B66)



Plot 7-438. Radiated Spurious Plot above 1GHz (n5 ENDC – ANCHOR B30)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 288 of 302

OPERATING FREQUENCY: 834.00 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1668.00	H	166	331	-73.44	8.95	-64.49	-51.5
2502.00	H	179	335	-73.12	9.70	-63.41	-50.4
3336.00	H	113	236	-69.20	9.59	-59.61	-46.6
4170.00	H	-	-	-73.61	10.22	-63.40	-50.4
5004.00	H	-	-	-72.91	10.93	-61.99	-49.0

Table 7-38. Radiated Spurious Data (n5 – ENDC – ANCHOR B30– Low Channel)

OPERATING FREQUENCY: 836.50 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	157	44	-71.21	8.95	-62.26	-49.3
2509.50	H	154	33	-72.36	9.75	-62.61	-49.6
3346.00	H	316	359	-69.19	9.60	-59.59	-46.6
4182.50	H	-	-	-74.72	10.34	-64.38	-51.4
5019.00	H	-	-	-72.43	10.88	-61.54	-48.5

Table 7-39. Radiated Spurious Data (n5 – ENDC – ANCHOR B30– Mid Channel)

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 289 of 302

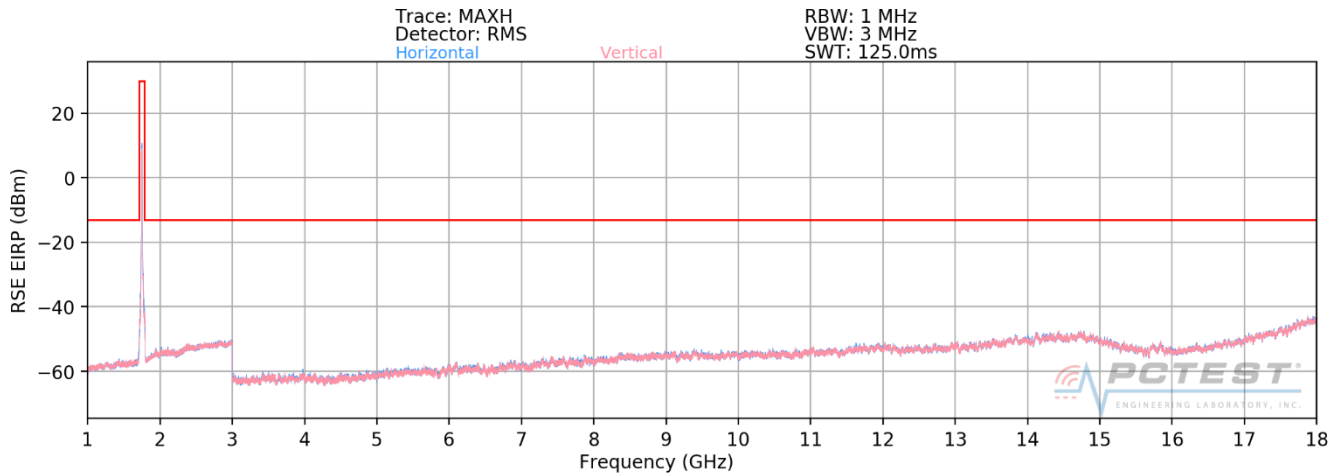
OPERATING FREQUENCY: 839.00 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1678.00	H	244	334	-72.97	8.95	-64.01	-51.0
2517.00	H	182	273	-69.89	9.75	-60.14	-47.1
3356.00	H	176	287	-68.96	9.71	-59.26	-46.3
4195.00	H	-	-	-74.05	10.48	-63.56	-50.6
5034.00	H	-	-	-73.17	10.76	-62.41	-49.4

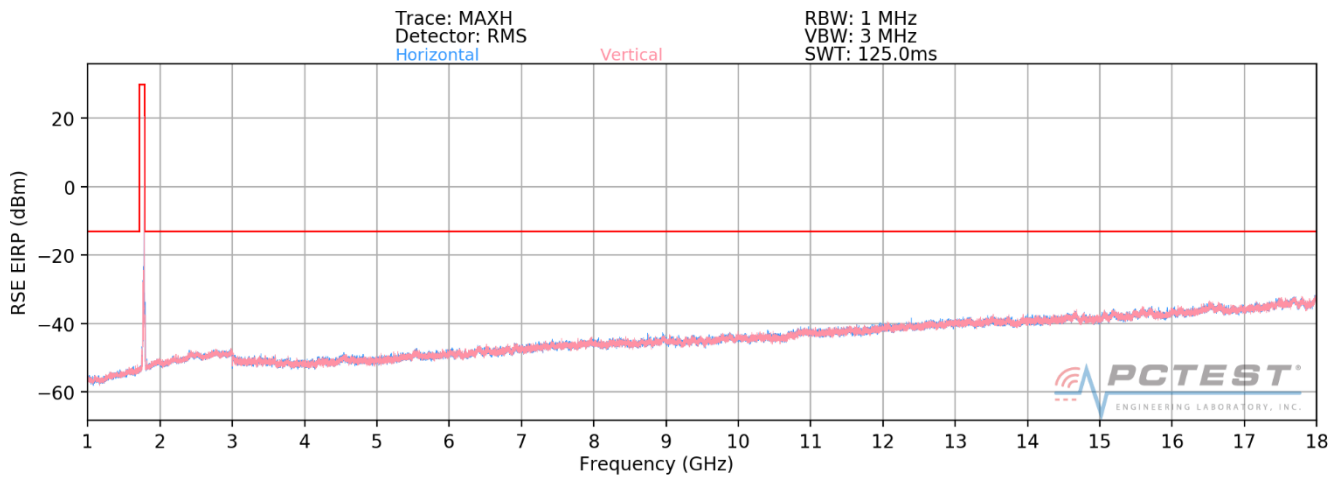
Table 7-40. Radiated Spurious Data (n5 – ENDC – ANCHOR B30– High Channel)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 290 of 302

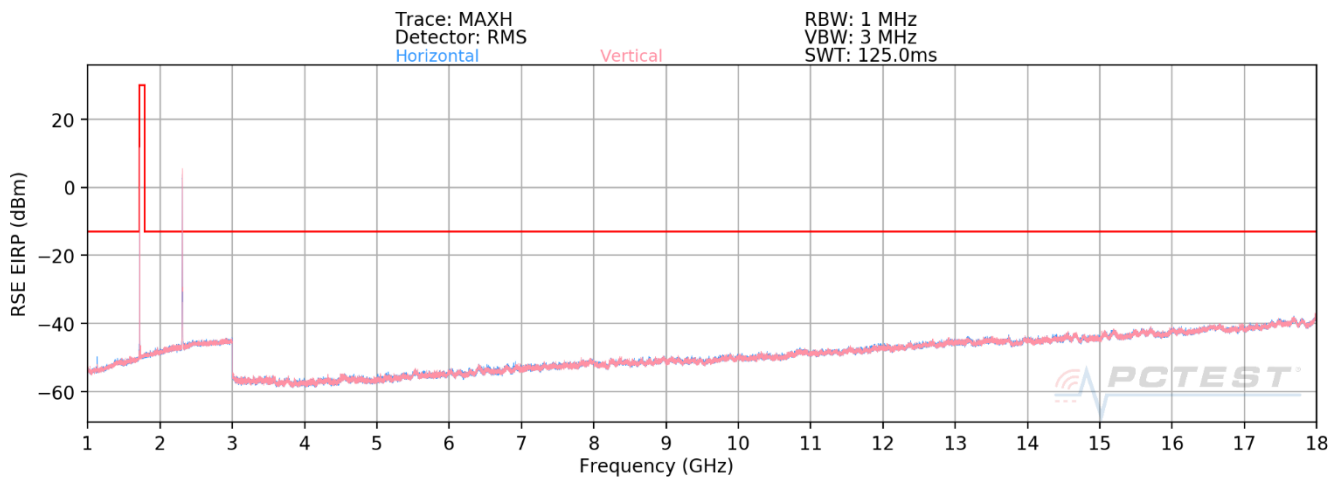
NR Band n66



Plot 7-439. Radiated Spurious Plot above 1GHz (n66 Standalone)



Plot 7-440. Radiated Spurious Plot above 1GHz (n66 ENDC - ANCHOR B12)



Plot 7-441. Radiated Spurious Plot above 1GHz (n66 ENDC - ANCHOR B30)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 291 of 302

OPERATING FREQUENCY: 1720.00 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	V	247	324	-64.47	9.84	-54.62	-41.6
5160.00	V	-	-	-71.82	10.71	-61.11	-48.1
6880.00	V	-	-	-69.87	11.68	-58.19	-45.2

Table 7-41. Radiated Spurious Data (n66 – ENDC – ANCHOR B30 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	V	225	339	-66.38	9.91	-56.46	-43.5
5235.00	V	-	-	-71.06	10.73	-60.33	-47.3
6980.00	V	-	-	-70.72	11.82	-58.90	-45.9

Table 7-42. Radiated Spurious Data (n66 – ENDC – ANCHOR B30 – Mid Channel)

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset		Page 292 of 302

OPERATING FREQUENCY: 1770.00 MHz
 MODULATION SIGNAL: QPSK-DFT-s-OFDM
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	V	220	341	-66.72	9.91	-56.81	-43.8
5310.00	V	-	-	-71.04	10.70	-60.34	-47.3
7080.00	V	-	-	-70.96	11.84	-59.12	-46.1

Table 7-43. Radiated Spurious Data (n66 – ENDC – ANCHOR B30 – High Channel)

FCC ID: ZNFV600AM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1912300229-03.ZNF	Test Dates: 12/30/2019 - 2/14/2020	EUT Type: Portable Handset	Page 293 of 302