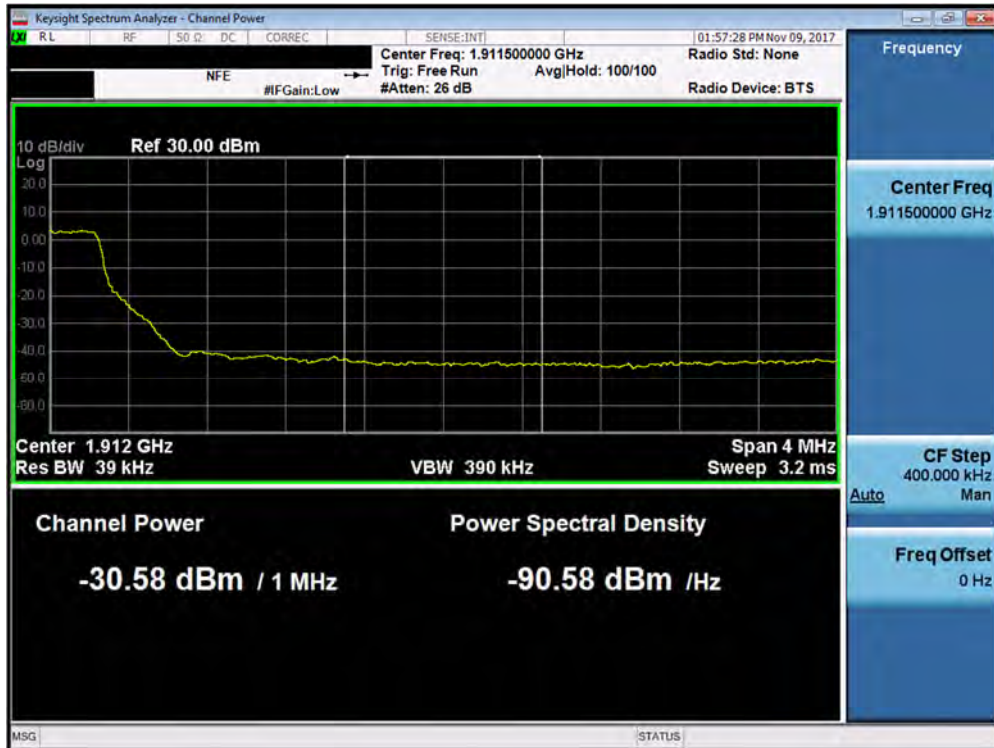




Plot 7-315. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

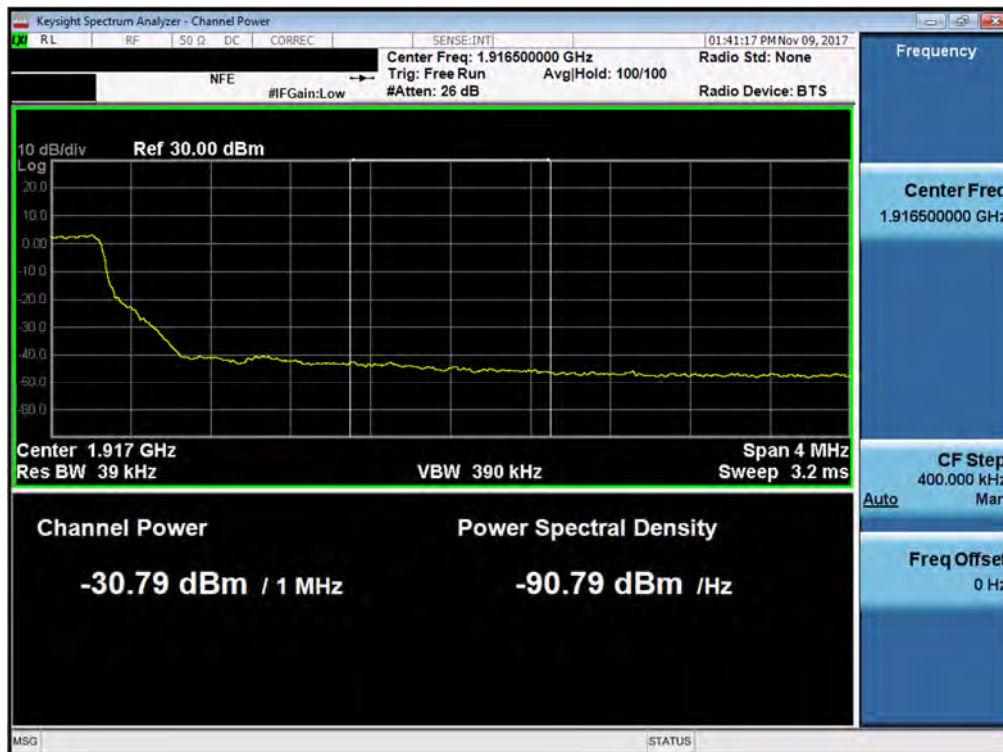


Plot 7-316. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 185 of 349

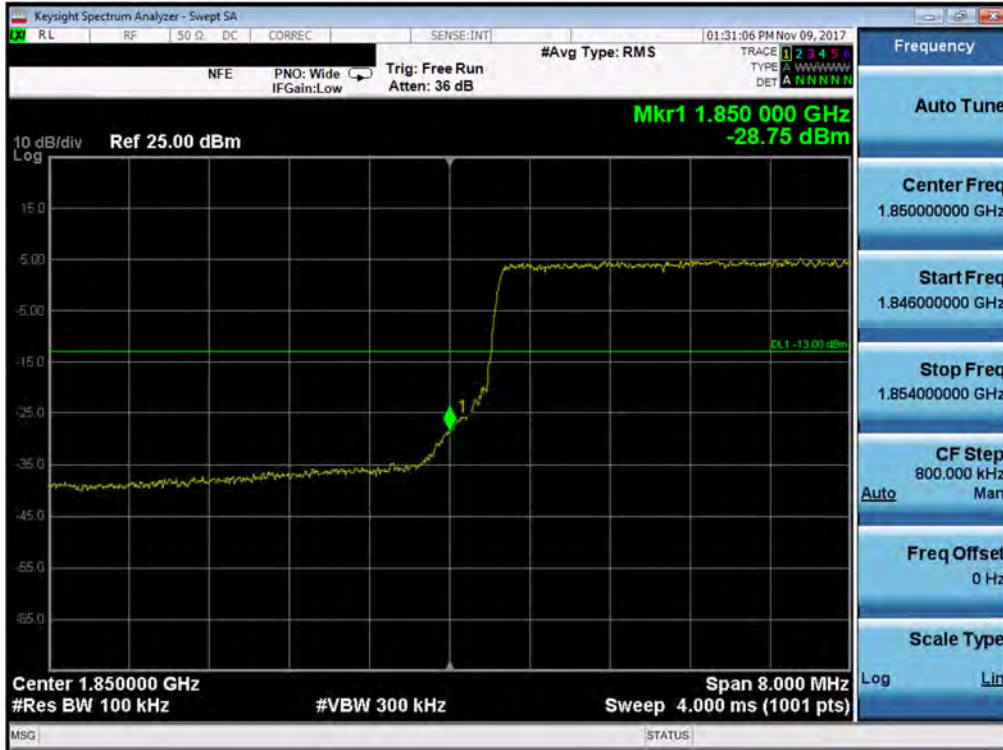


Plot 7-317. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

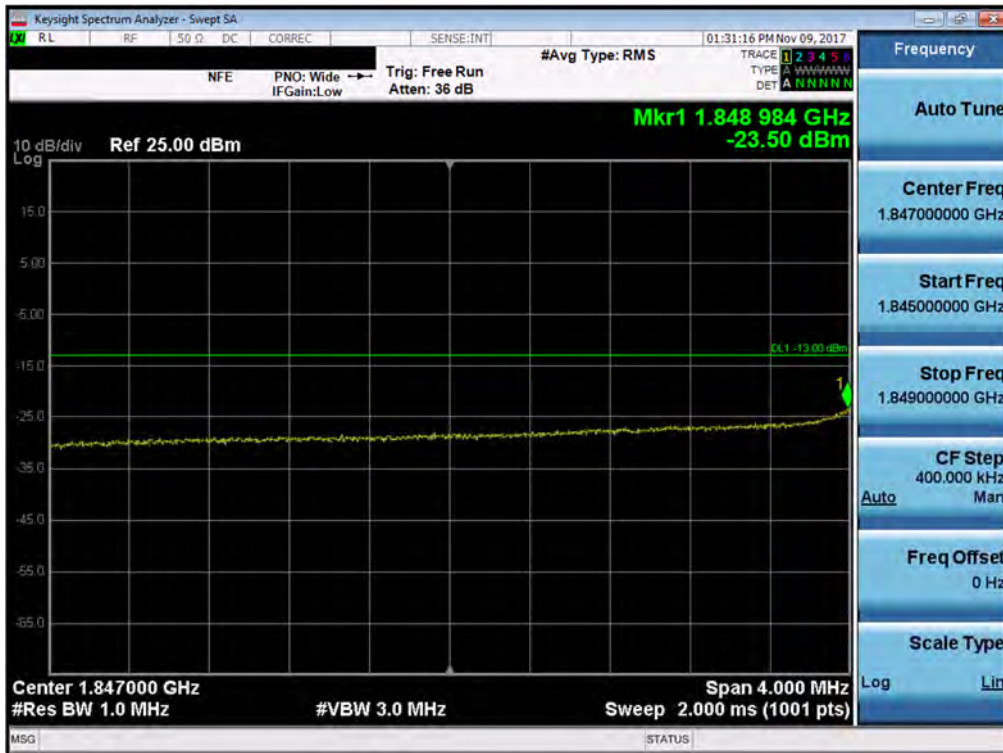


Plot 7-318. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 186 of 349

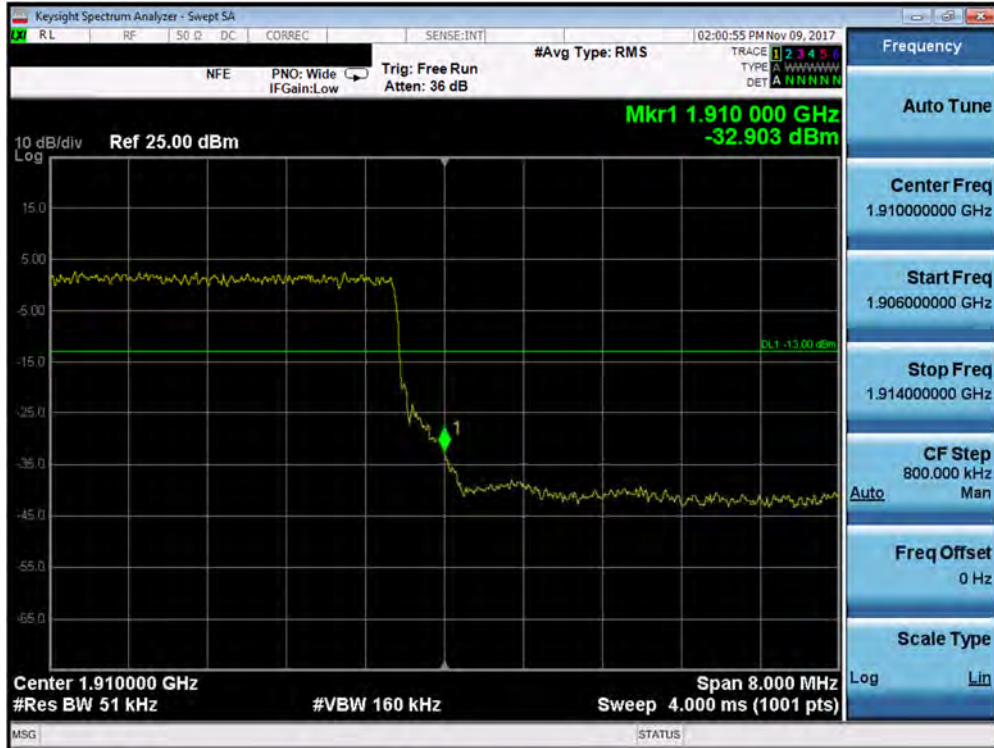


Plot 7-319. Lower Band Edge Plot (Band 2/25 - 10.0MHz QPSK - Full RB Configuration)

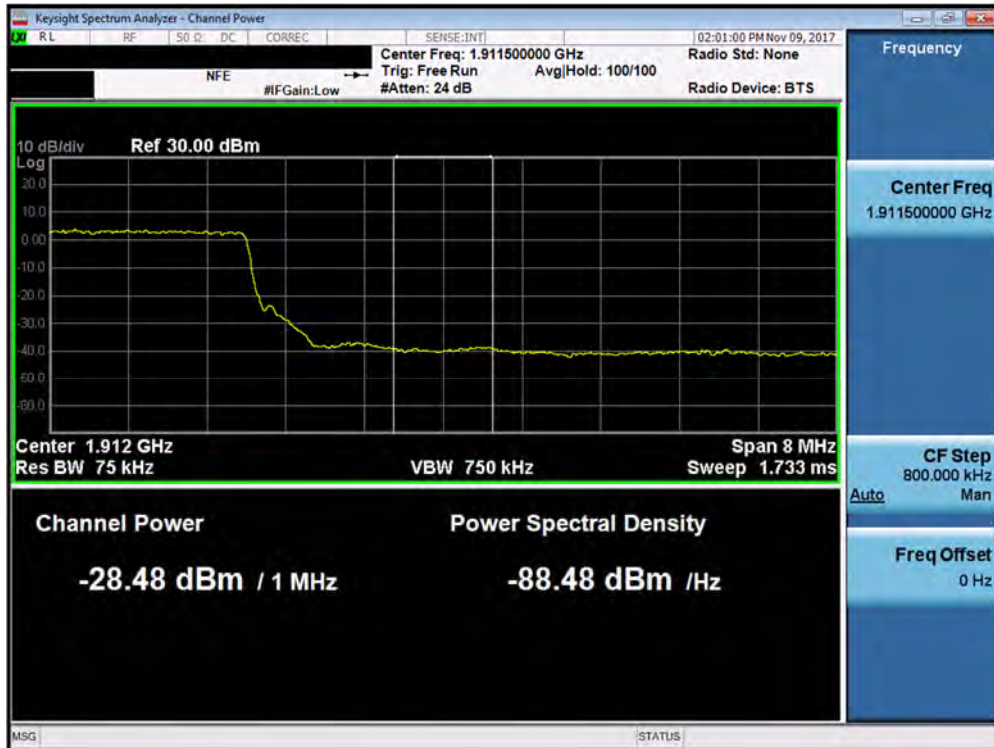


Plot 7-320. Lower Extended Band Edge Plot (Band 2/25 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 187 of 349



Plot 7-321. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

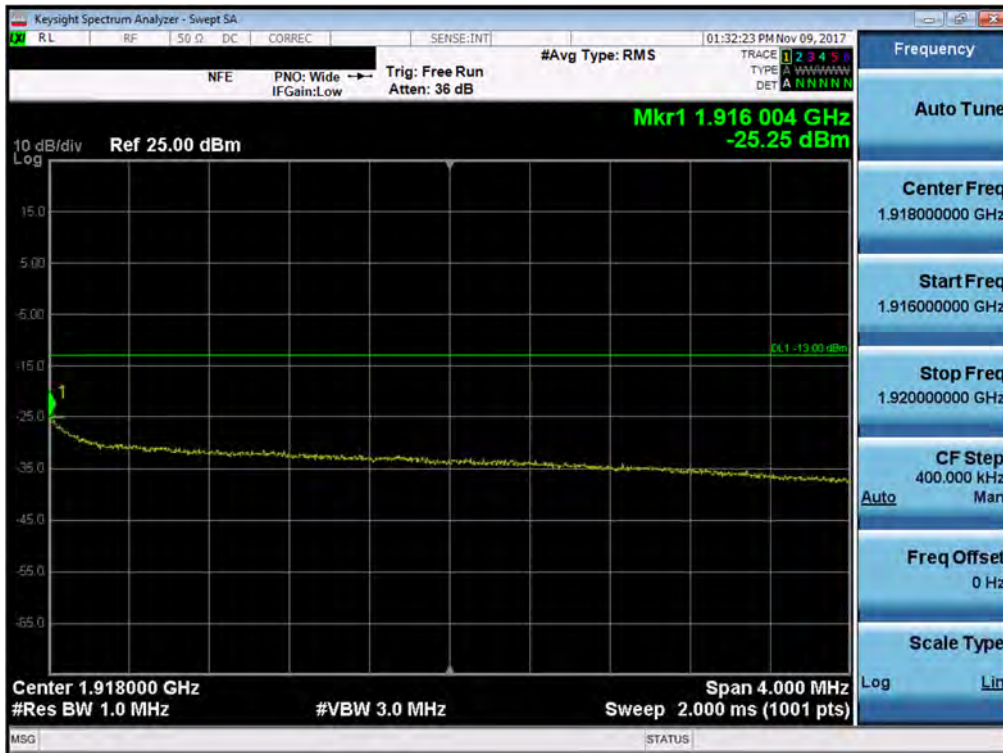


Plot 7-322. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 188 of 349

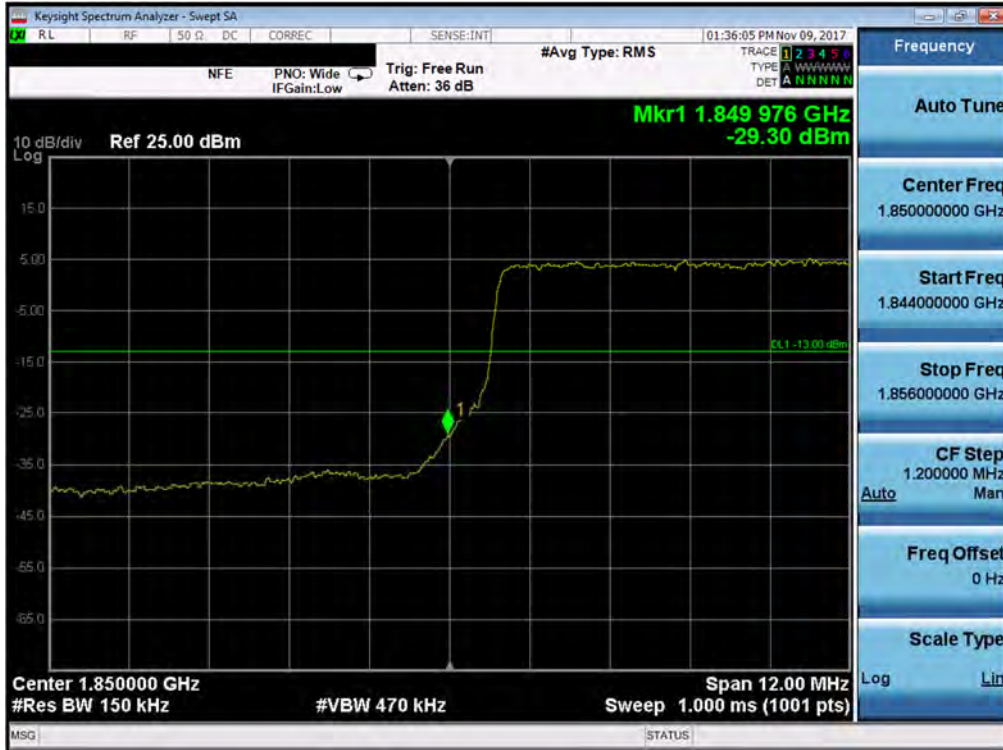


Plot 7-323. Upper Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-324. Upper Extended Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 189 of 349

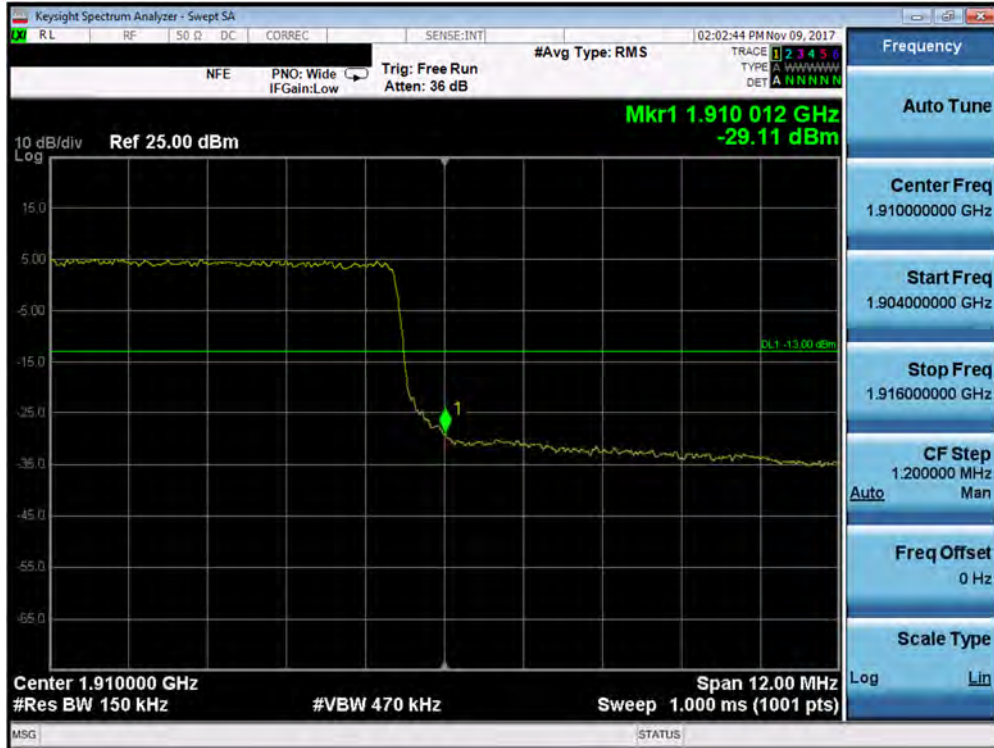


Plot 7-325. Lower Band Edge Plot (Band 2/25 - 15.0MHz QPSK - Full RB Configuration)

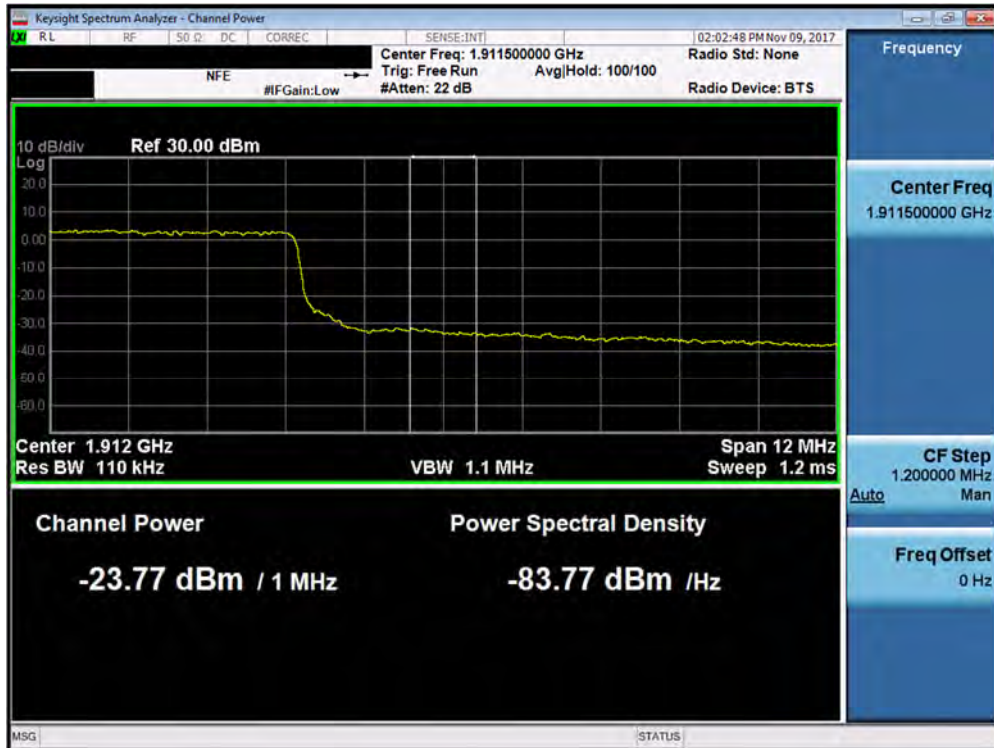


Plot 7-326. Lower Extended Band Edge Plot (Band 2/25 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 190 of 349



Plot 7-327. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

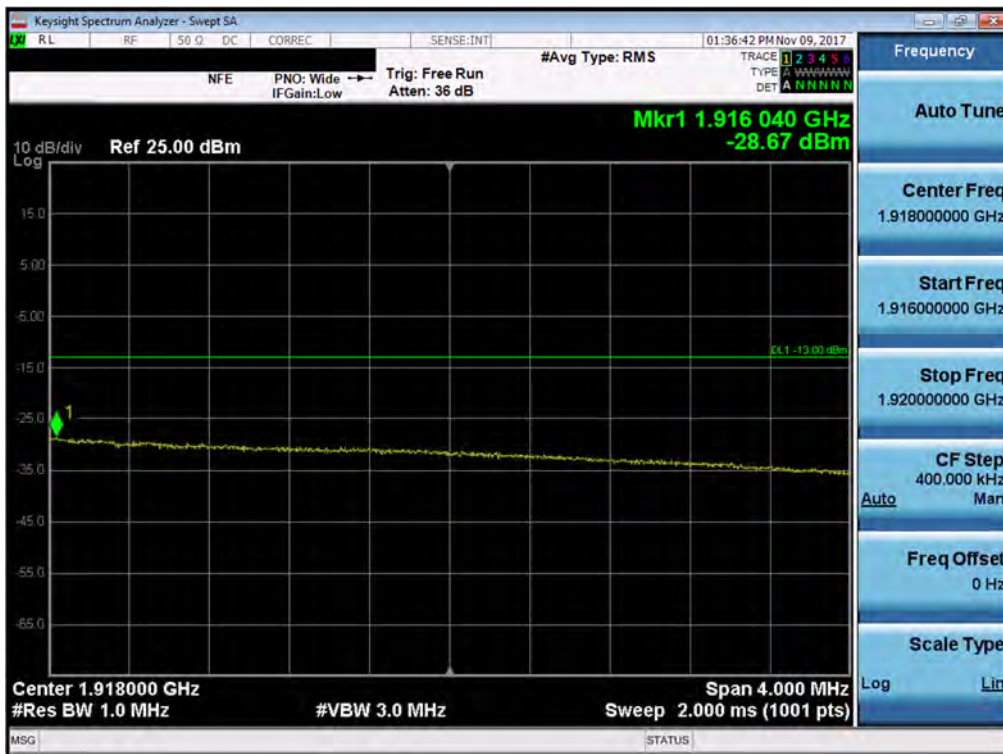


Plot 7-328. Upper Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 191 of 349

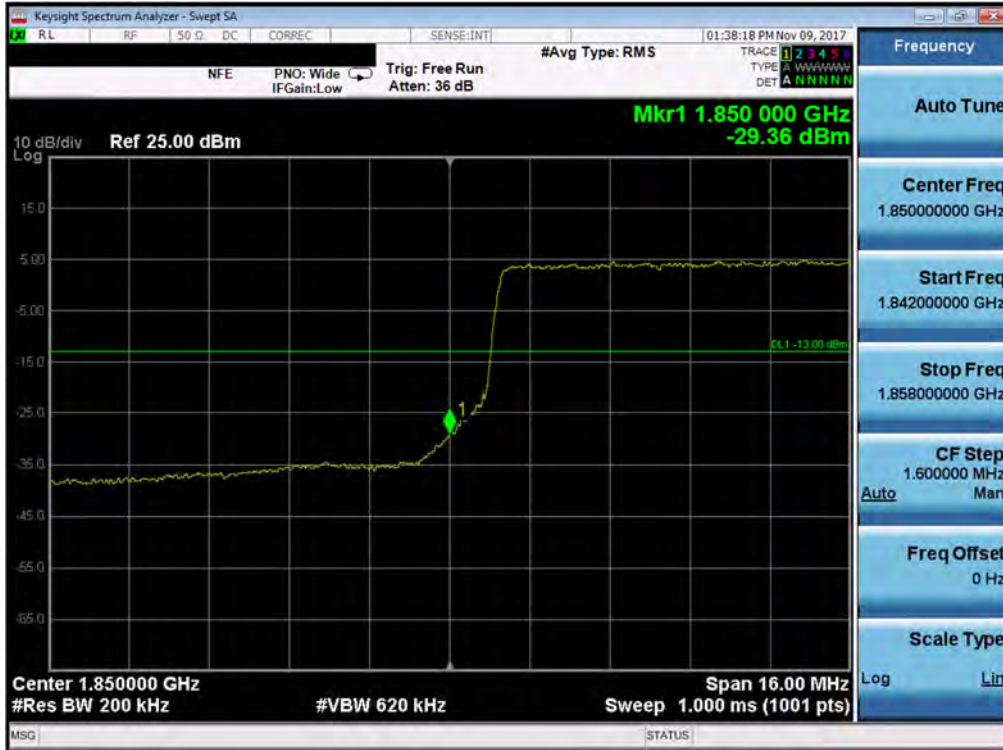


Plot 7-329. Upper Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

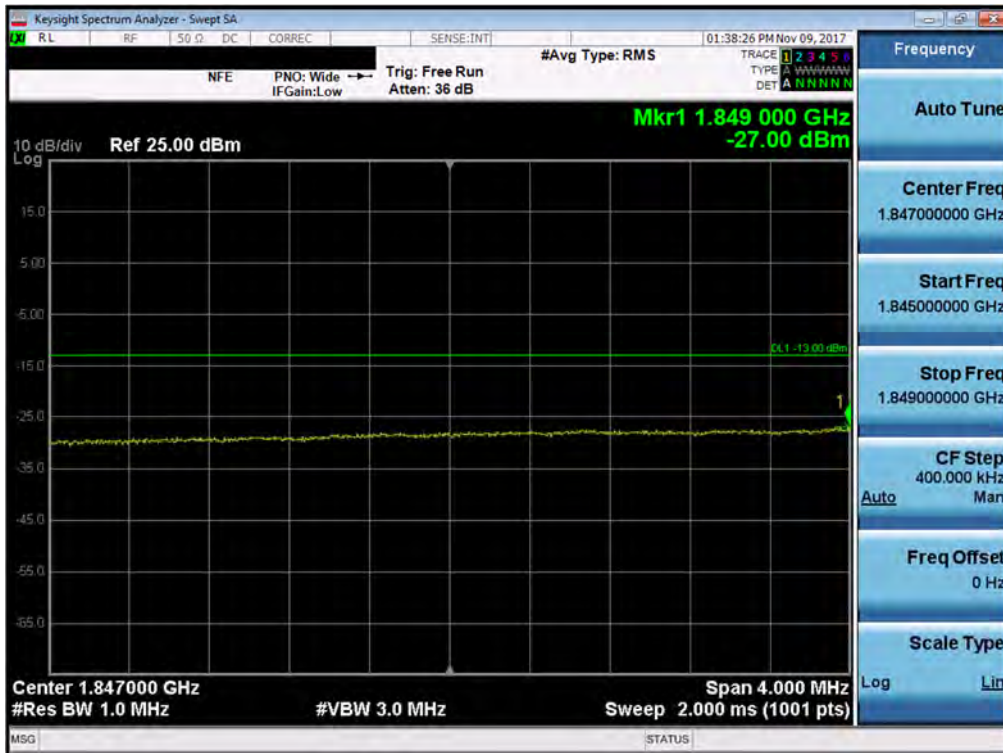


Plot 7-330. Upper Extended Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 192 of 349



Plot 7-331. Lower Band Edge Plot (Band 2/25 - 20.0MHz QPSK - Full RB Configuration)

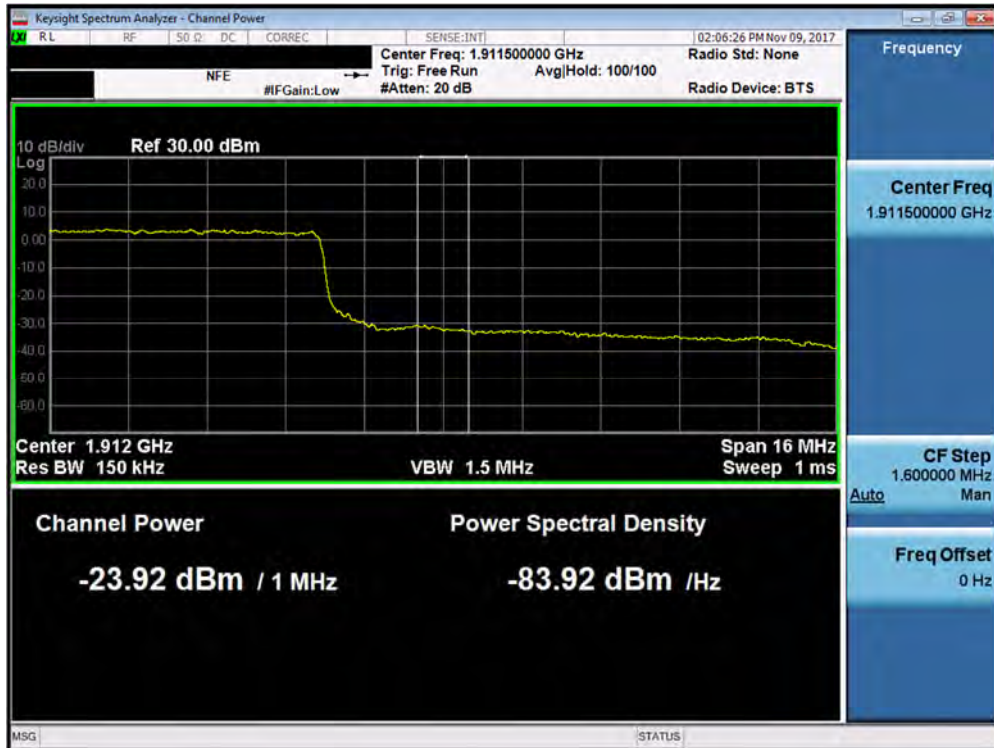


Plot 7-332. Lower Extended Band Edge Plot (Band 2/25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 193 of 349



Plot 7-333. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

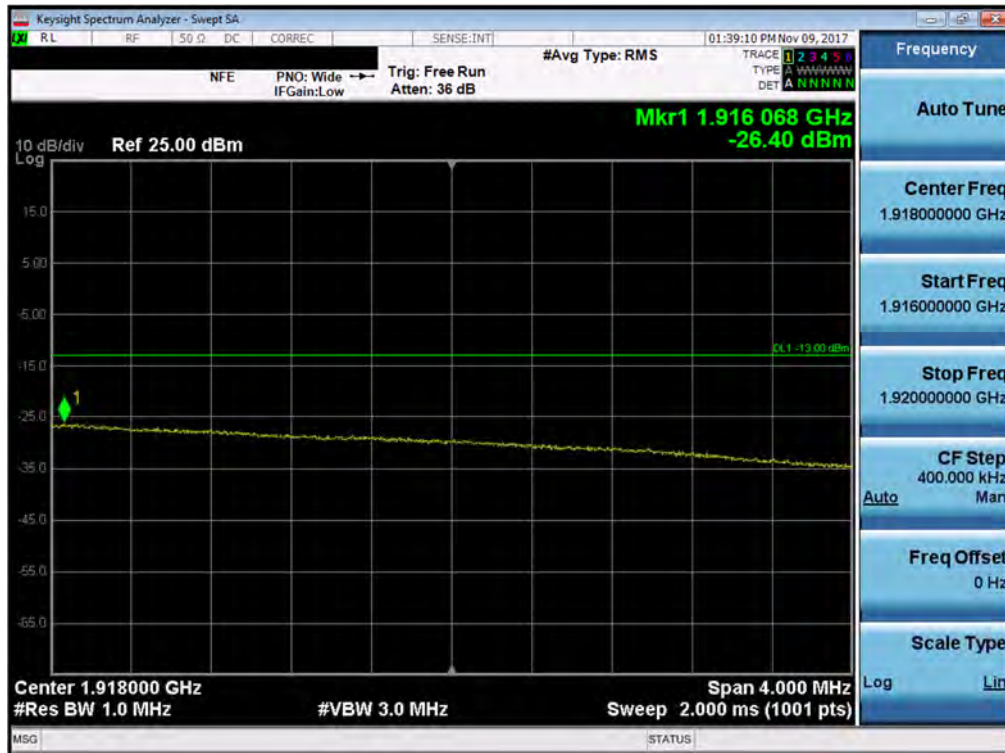


Plot 7-334. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 194 of 349



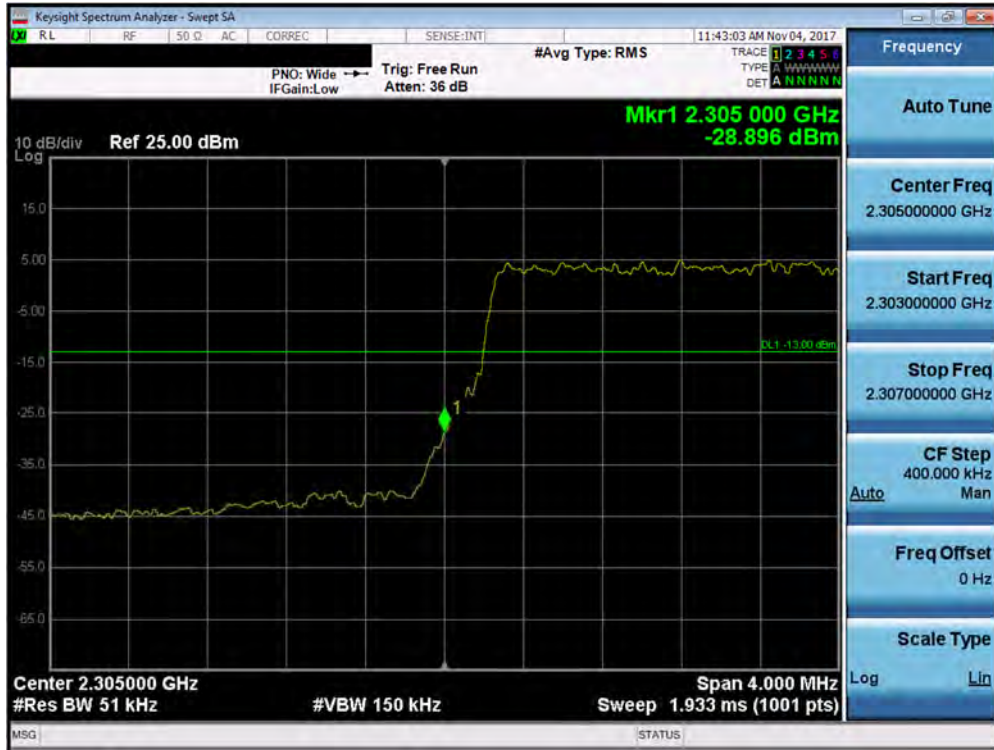
Plot 7-335. Upper Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-336. Upper Extended Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 195 of 349

Band 30 (Antenna B)

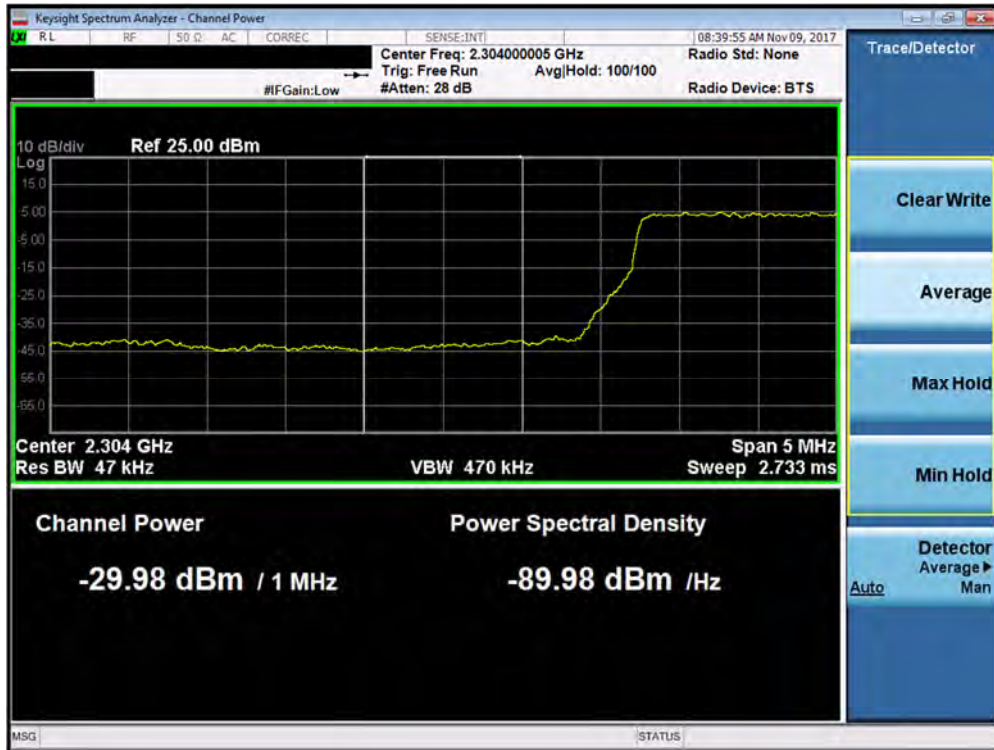


Plot 7-337. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna B)



Plot 7-338. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration – Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 196 of 349



Plot 7-339. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna B)



Plot 7-340. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 197 of 349



Plot 7-341. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna B)

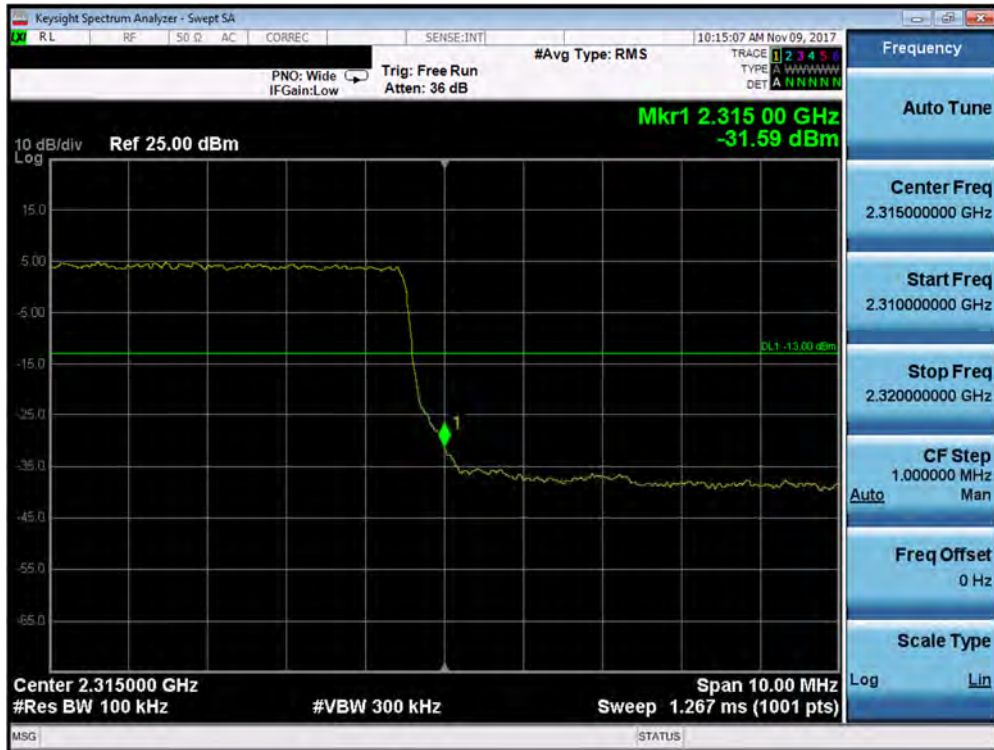


Plot 7-342. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 198 of 349



Plot 7-343. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna B)



Plot 7-344. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna B)

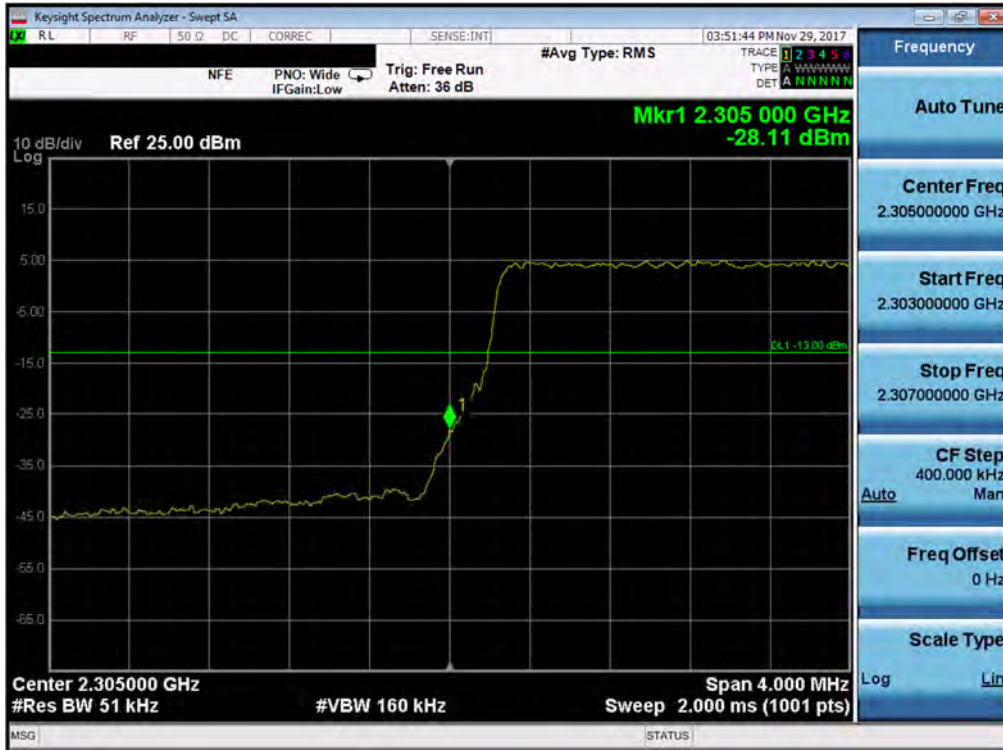
FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 199 of 349



Plot 7-345. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 200 of 349

Band 30 (Antenna A)

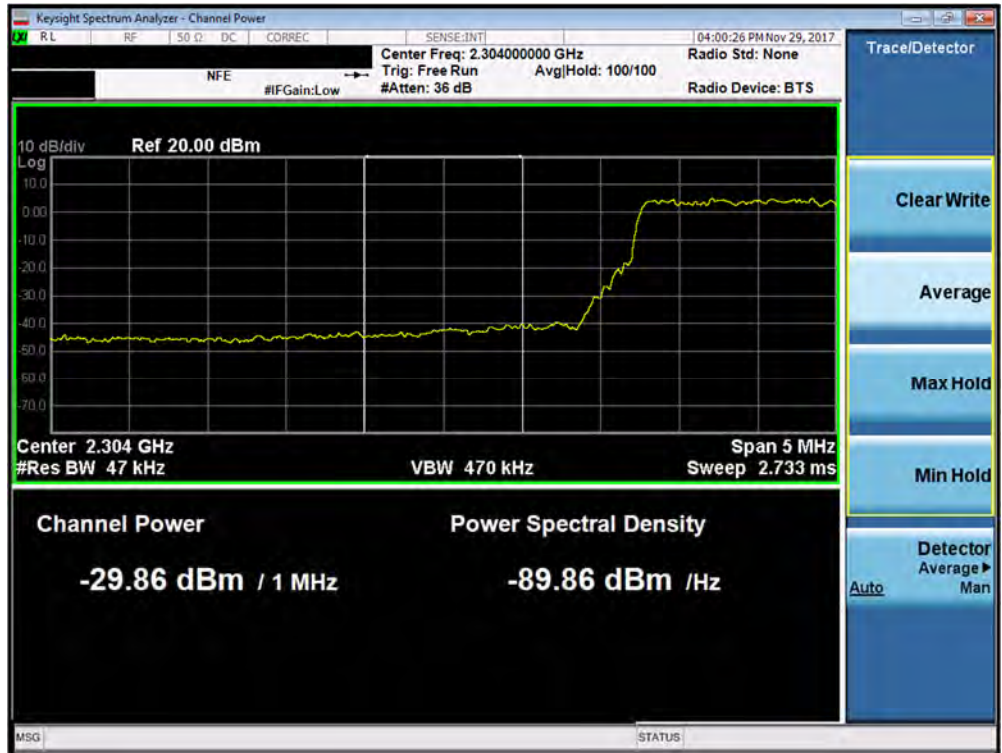


Plot 7-346. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna A)



Plot 7-347. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration - Antenna A)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 201 of 349



Plot 7-348. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna A)

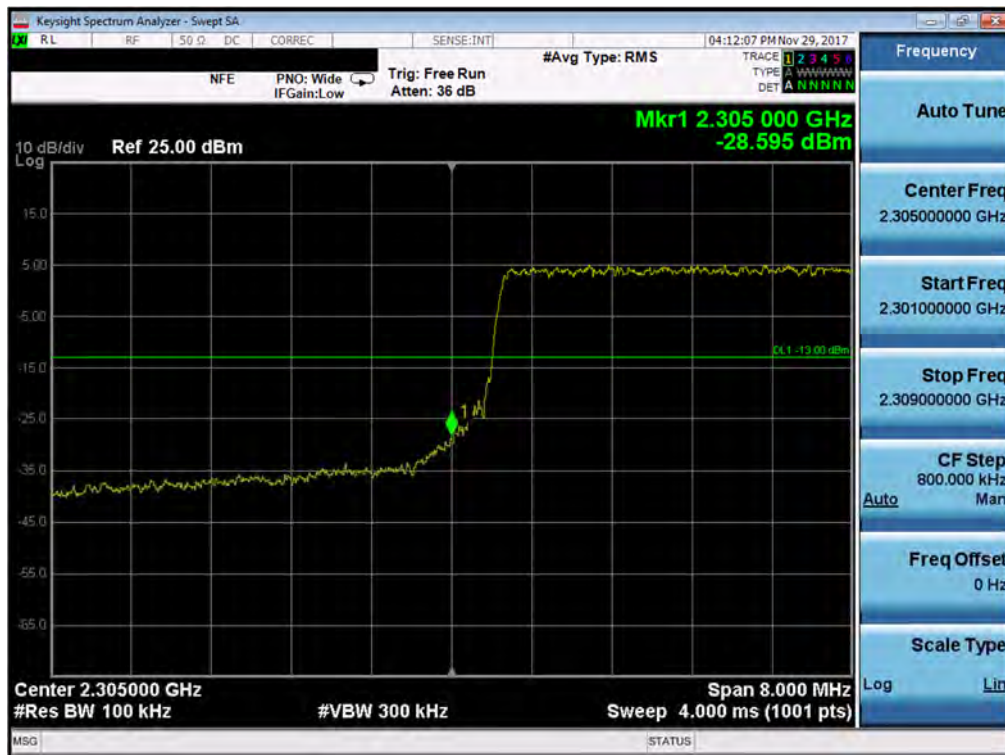


Plot 7-349. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 202 of 349



Plot 7-350. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration- Antenna A)



Plot 7-351. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 203 of 349



Plot 7-352. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna A)



Plot 7-353. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 204 of 349



Plot 7-354. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration- Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 205 of 349

Band 7 (Antenna B)



Plot 7-355. Lower ACP Plot (Band 7 – 5.0MHz QPSK – RB Size 25 – Antenna B)

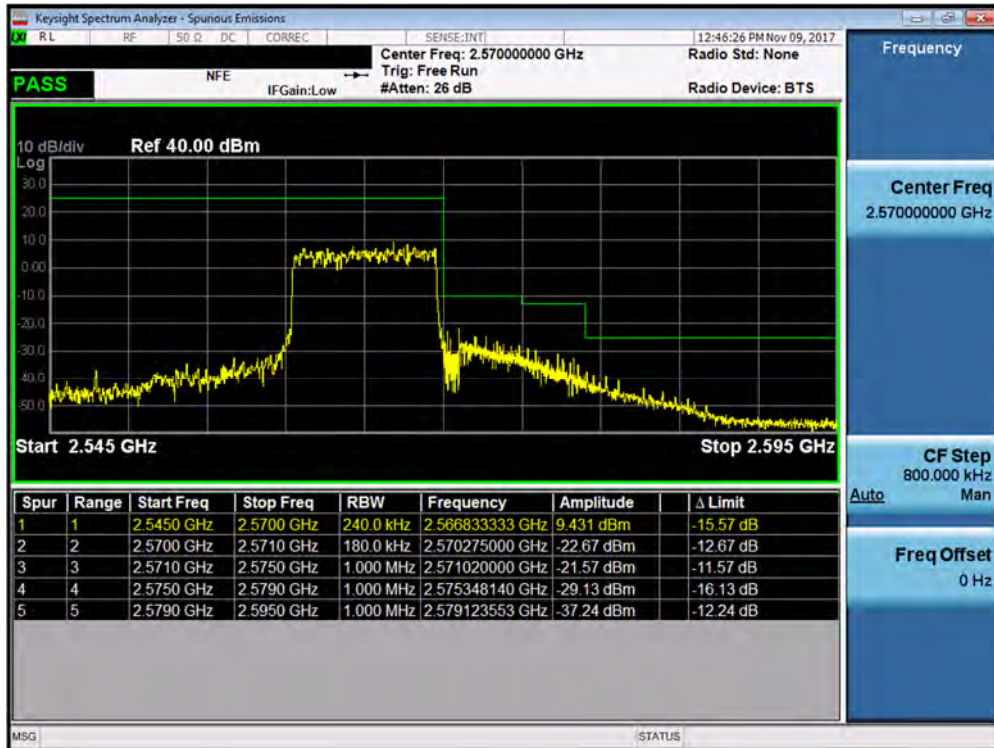


Plot 7-356. Upper ACP Plot (Band 7 – 5.0MHz QPSK – RB Size 25– Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 206 of 349



Plot 7-357. Lower ACP Plot (Band 7 – 10.0MHz QPSK – RB Size 50– Antenna B)

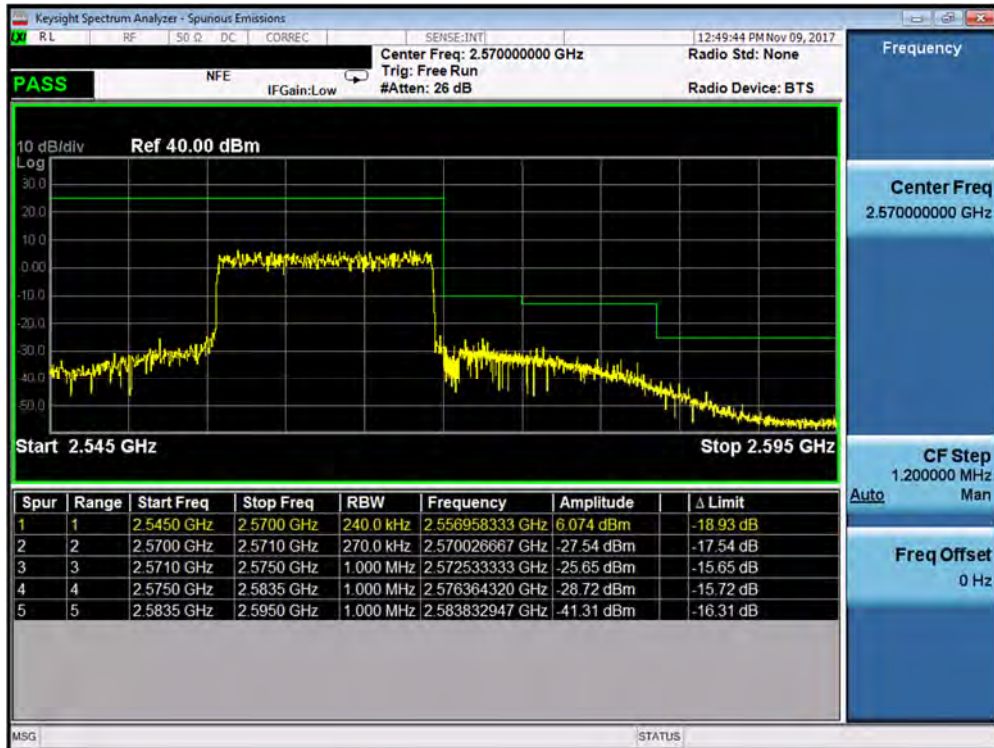


Plot 7-358. Upper ACP Plot (Band 7 – 10.0MHz QPSK – RB Size 50– Antenna B)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 207 of 349



Plot 7-359. Lower ACP Plot (Band 7 – 15.0MHz QPSK – RB Size 75– Antenna B)

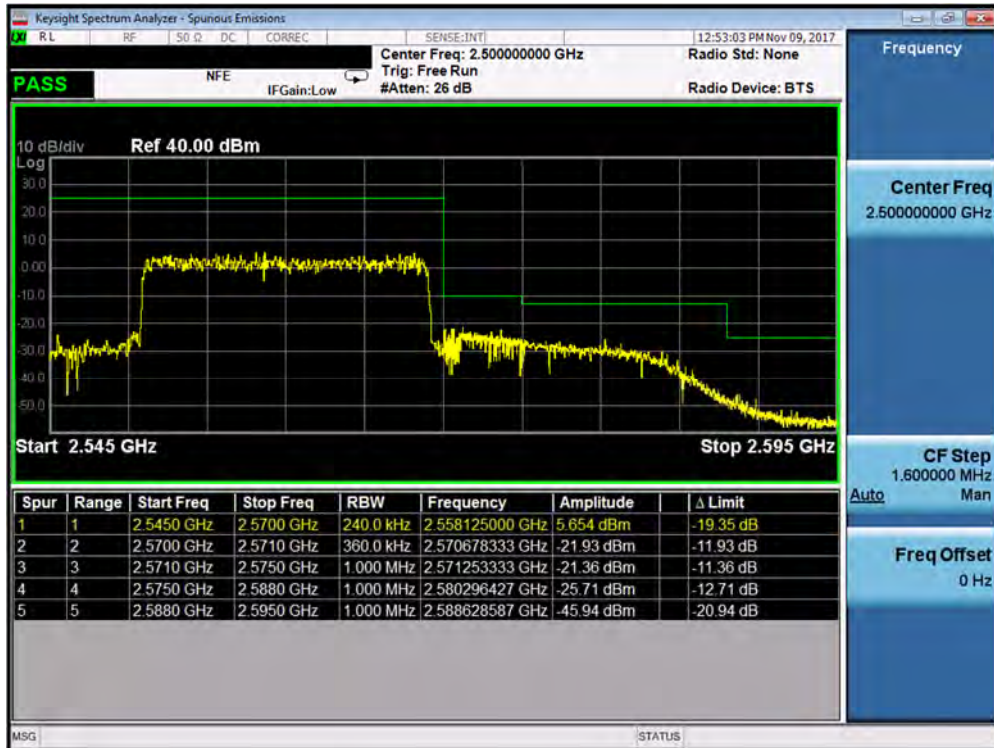


Plot 7-360. Upper ACP Plot (Band 7 – 15.0MHz QPSK – RB Size 75– Antenna B)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 208 of 349



Plot 7-361. Lower ACP Plot (Band 7 – 20.0MHz QPSK – RB Size 100– Antenna B)



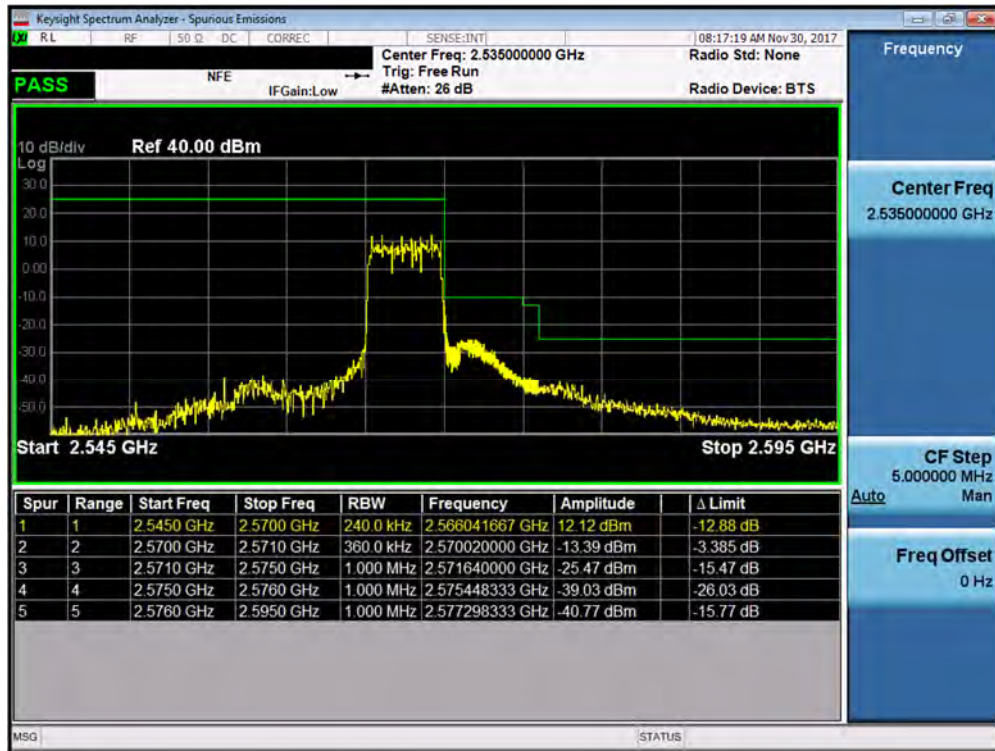
Plot 7-362. Upper ACP Plot (Band 7 – 20.0MHz QPSK – RB Size 100– Antenna B)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 209 of 349

Band 7 (Antenna A)



Plot 7-363. Lower ACP Plot (Band 7 – 5.0MHz QPSK – RB Size 25 – Antenna A)

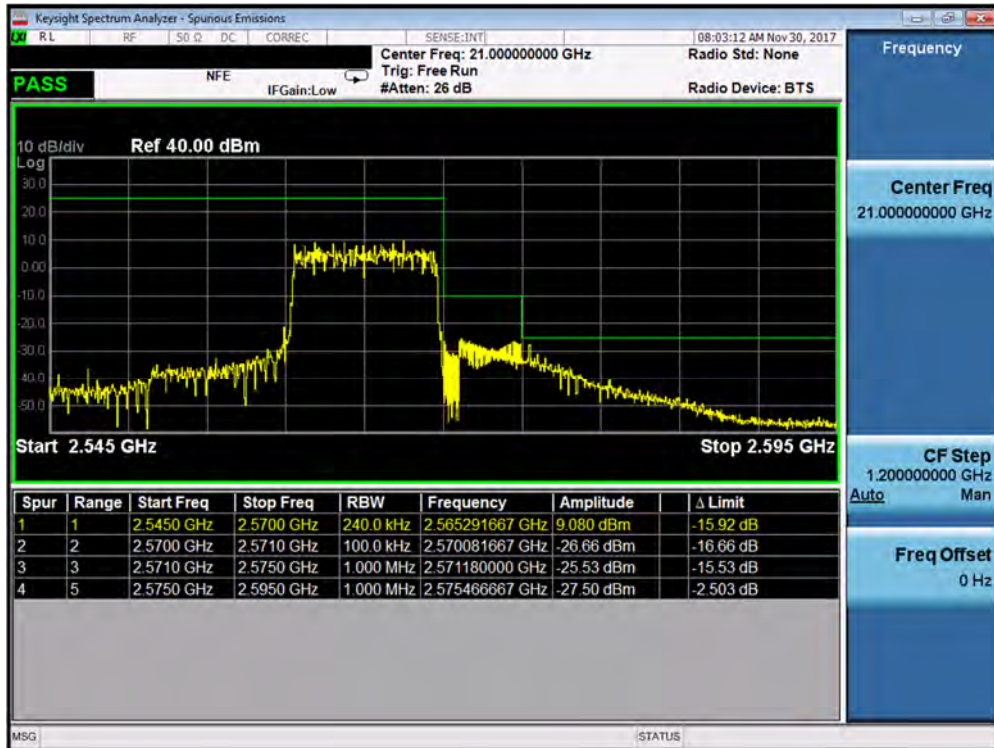


Plot 7-364. Upper ACP Plot (Band 7 – 5.0MHz QPSK – RB Size 25– Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 210 of 349

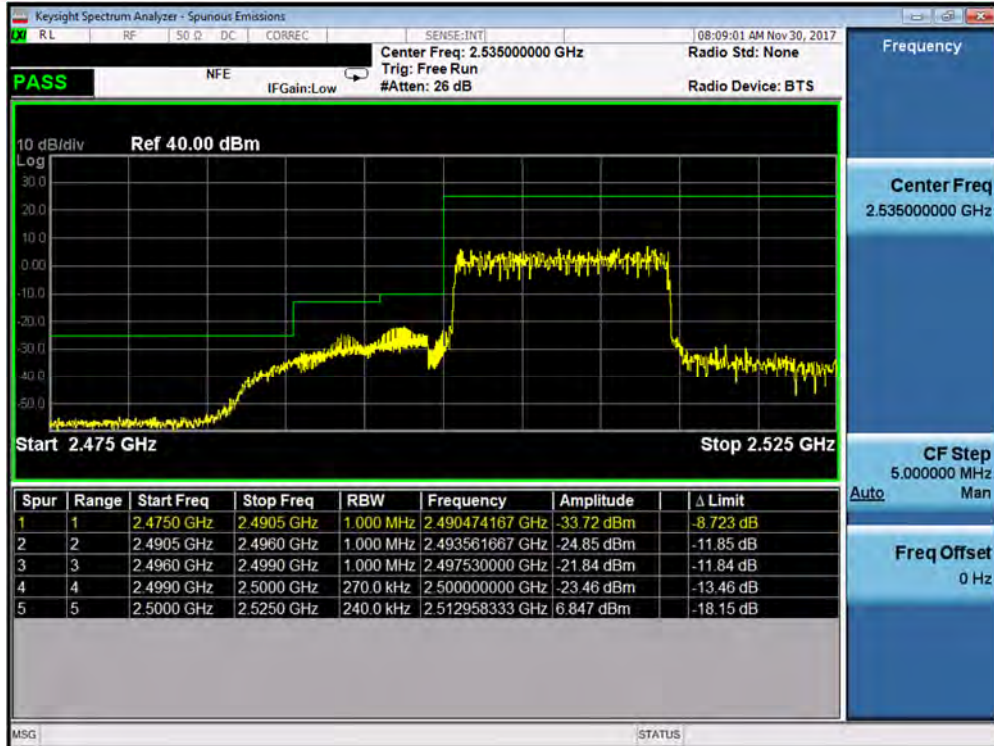


Plot 7-365. Lower ACP Plot (Band 7 – 10.0MHz QPSK – RB Size 50– Antenna A)

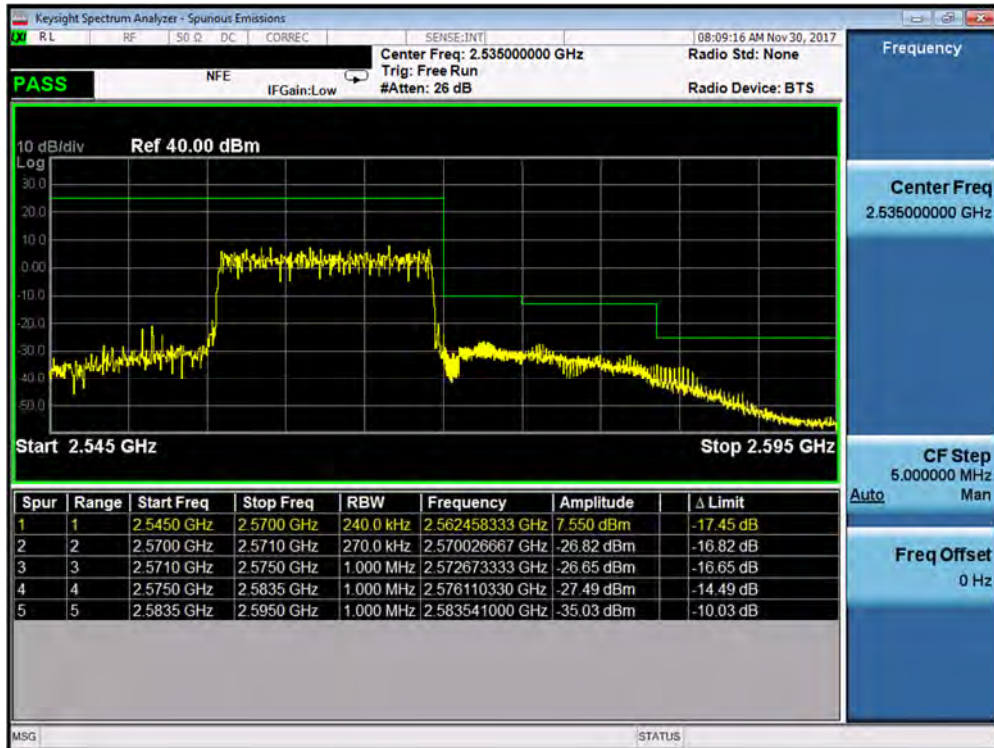


Plot 7-366. Upper ACP Plot (Band 7 – 10.0MHz QPSK – RB Size 50– Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 211 of 349

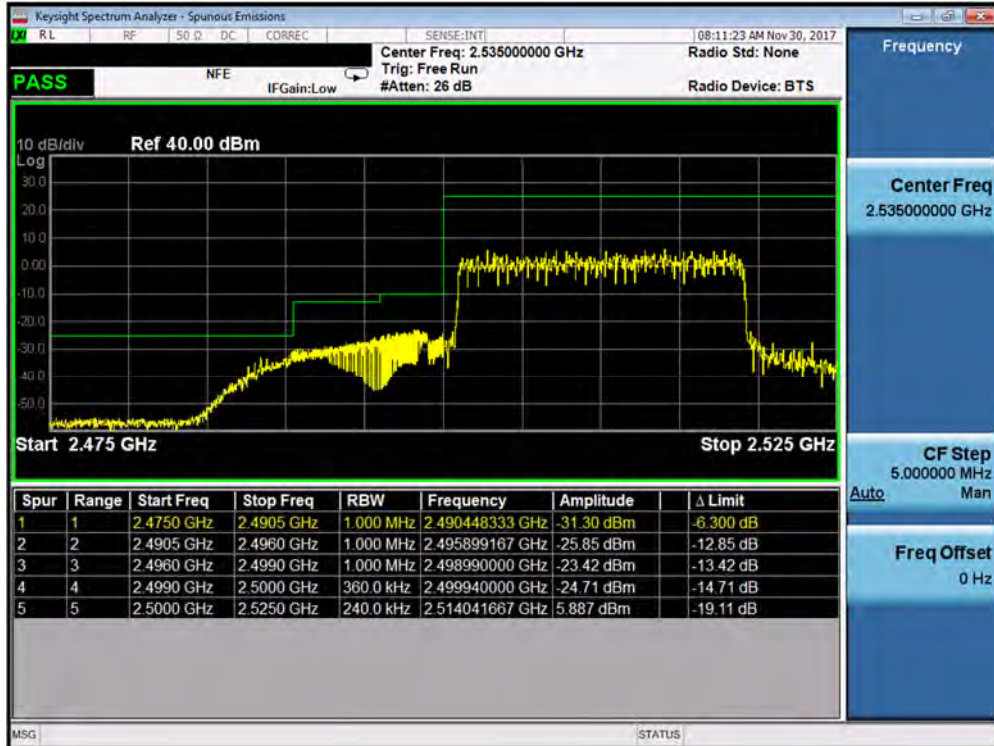


Plot 7-367. Lower ACP Plot (Band 7 – 15.0MHz QPSK – RB Size 75– Antenna A)



Plot 7-368. Upper ACP Plot (Band 7 – 15.0MHz QPSK – RB Size 75– Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 212 of 349



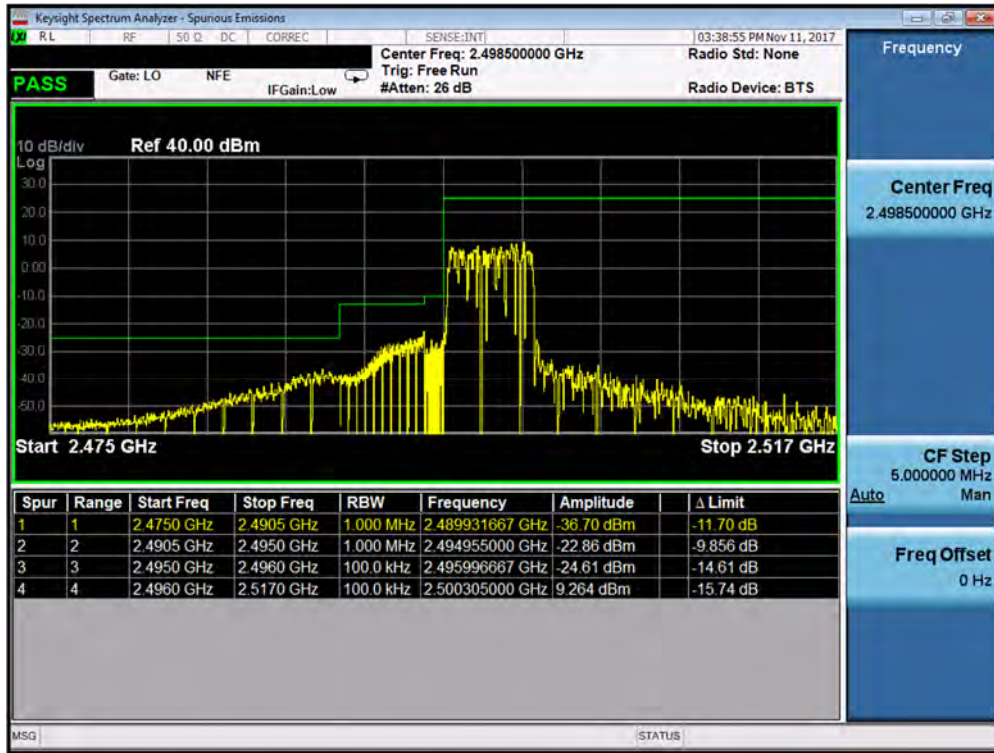
Plot 7-369. Lower ACP Plot (Band 7 – 20.0MHz QPSK – RB Size 100– Antenna A)



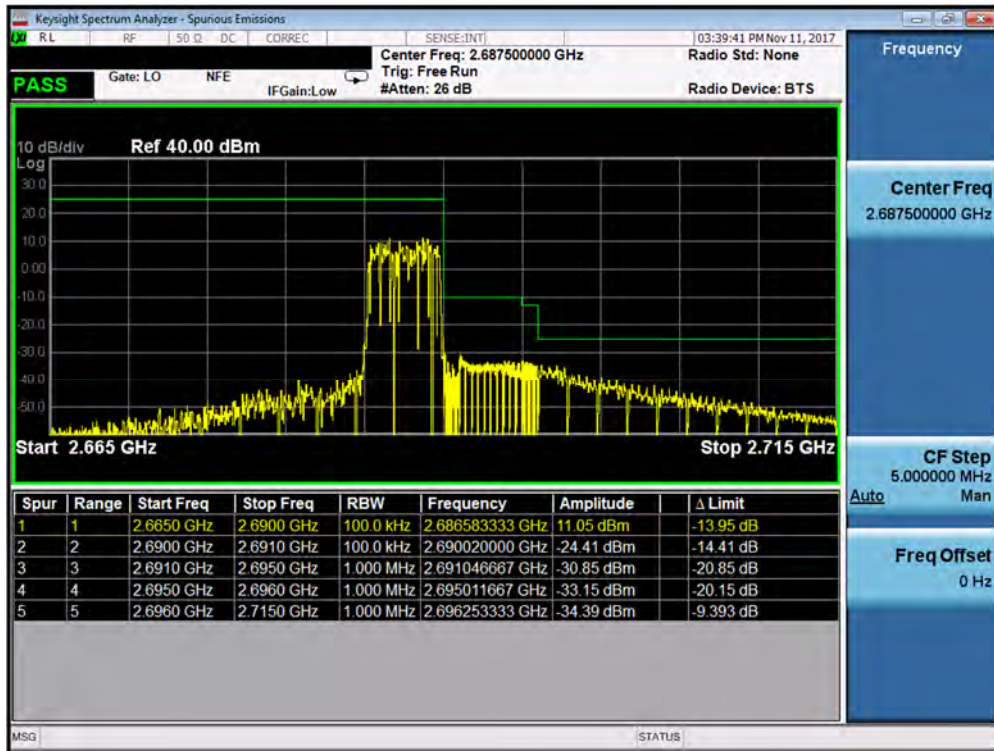
Plot 7-370. Upper ACP Plot (Band 7 – 20.0MHz QPSK – RB Size 100– Antenna A)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 213 of 349

Band 41

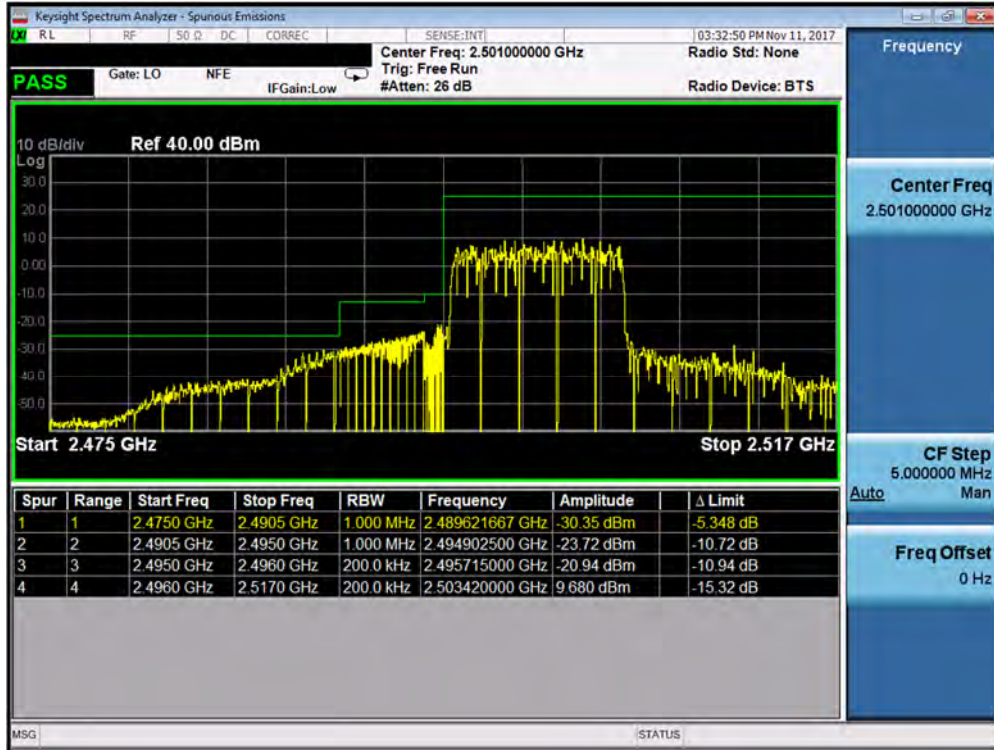


Plot 7-371. Lower ACP Plot (Band 41 – 5.0MHz QPSK – RB Size 25)

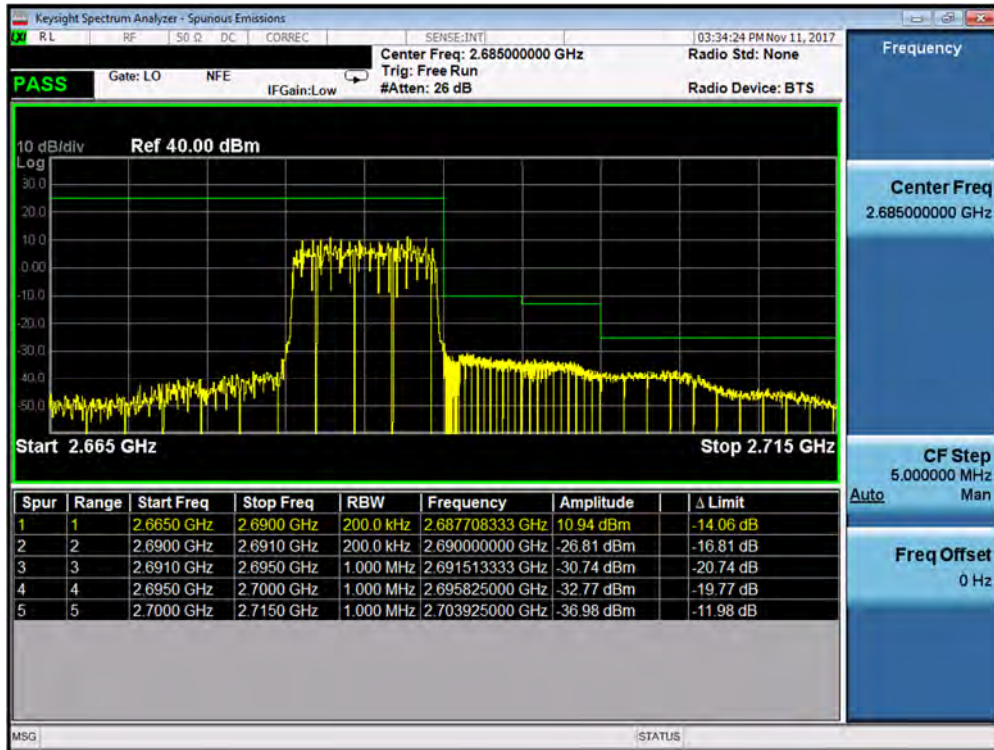


Plot 7-372. Upper ACP Plot (Band 41 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 214 of 349

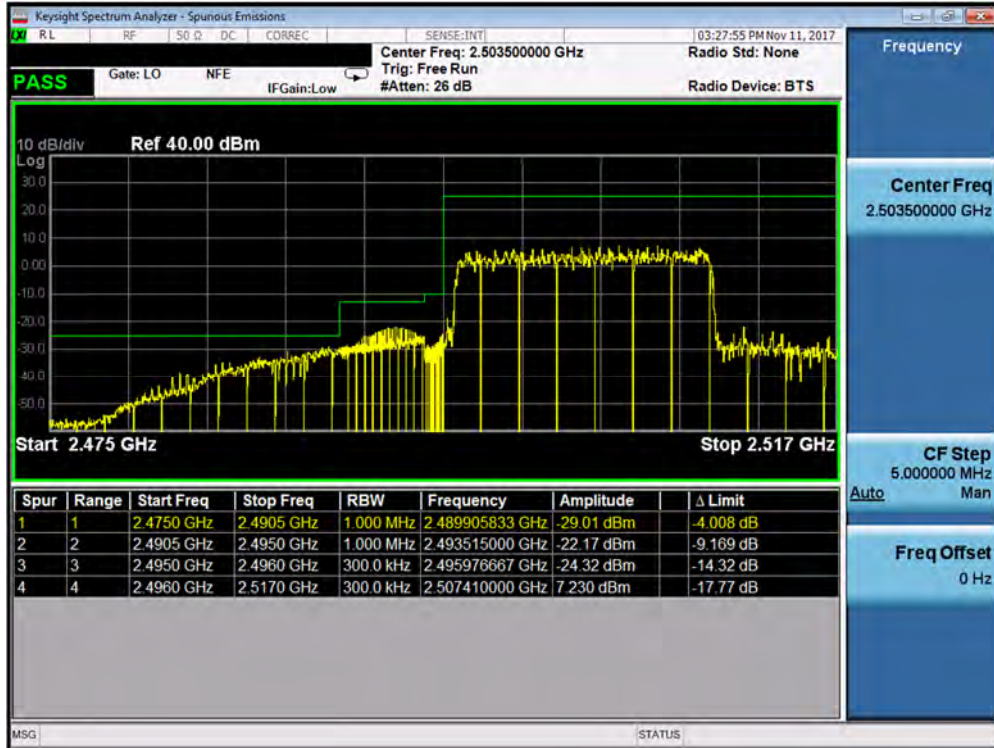


Plot 7-373. Lower ACP Plot (Band 41 – 10.0MHz QPSK – RB Size 50)

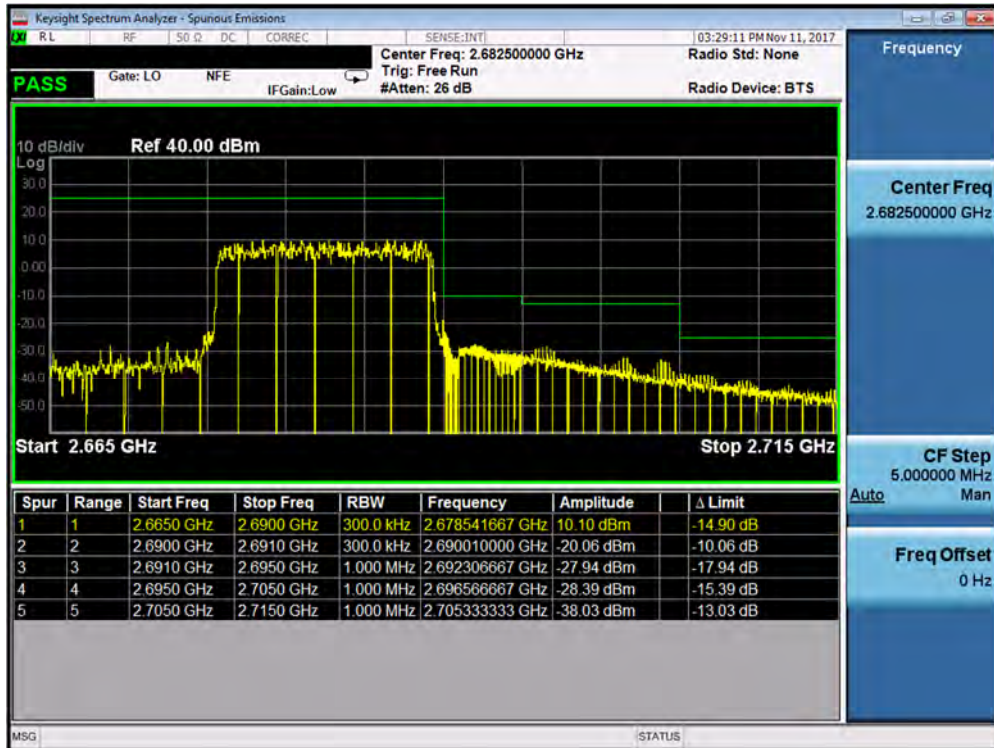


Plot 7-374. Upper ACP Plot (Band 41 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 215 of 349

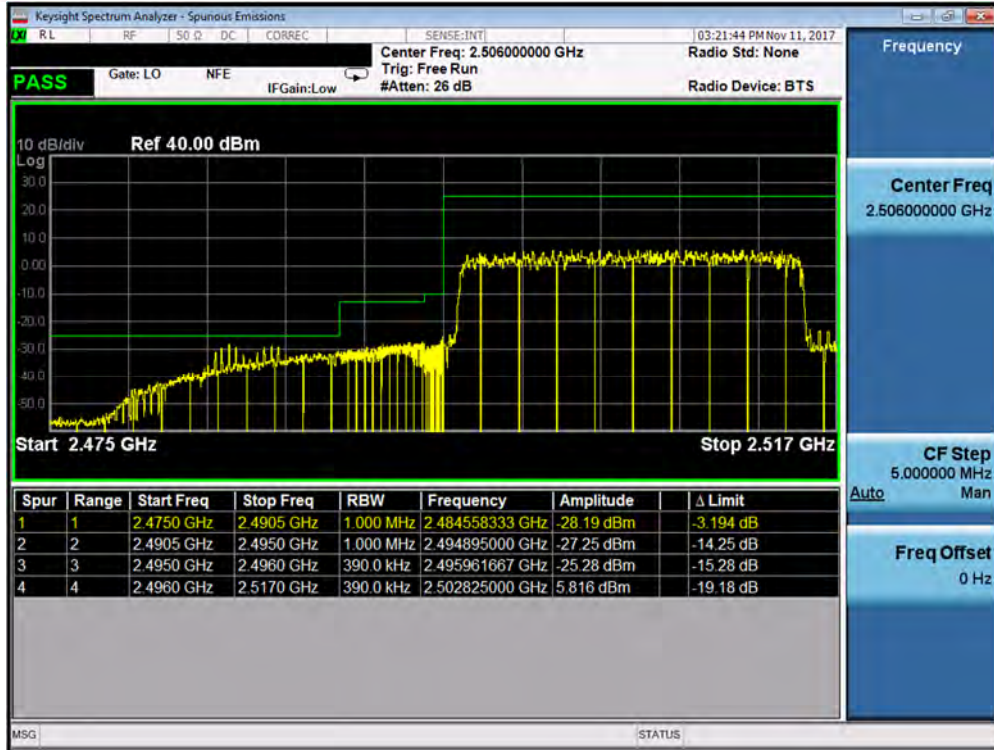


Plot 7-375. Lower ACP Plot (Band 41 – 15.0MHz QPSK – RB Size 75)

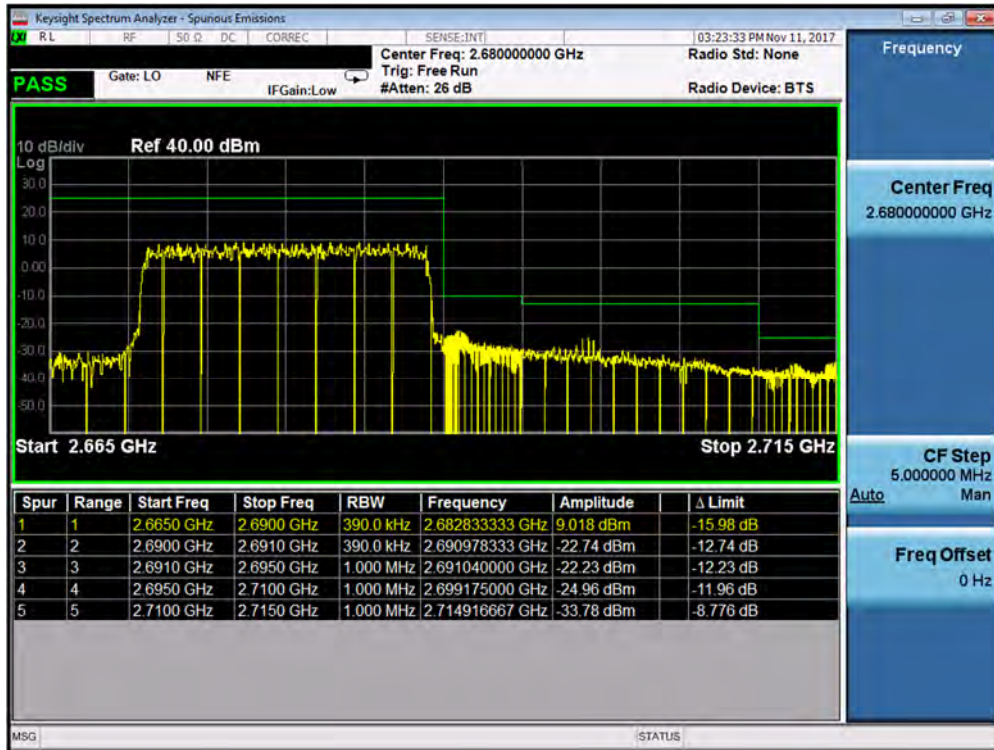


Plot 7-376. Upper ACP Plot (Band 41 – 15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 216 of 349

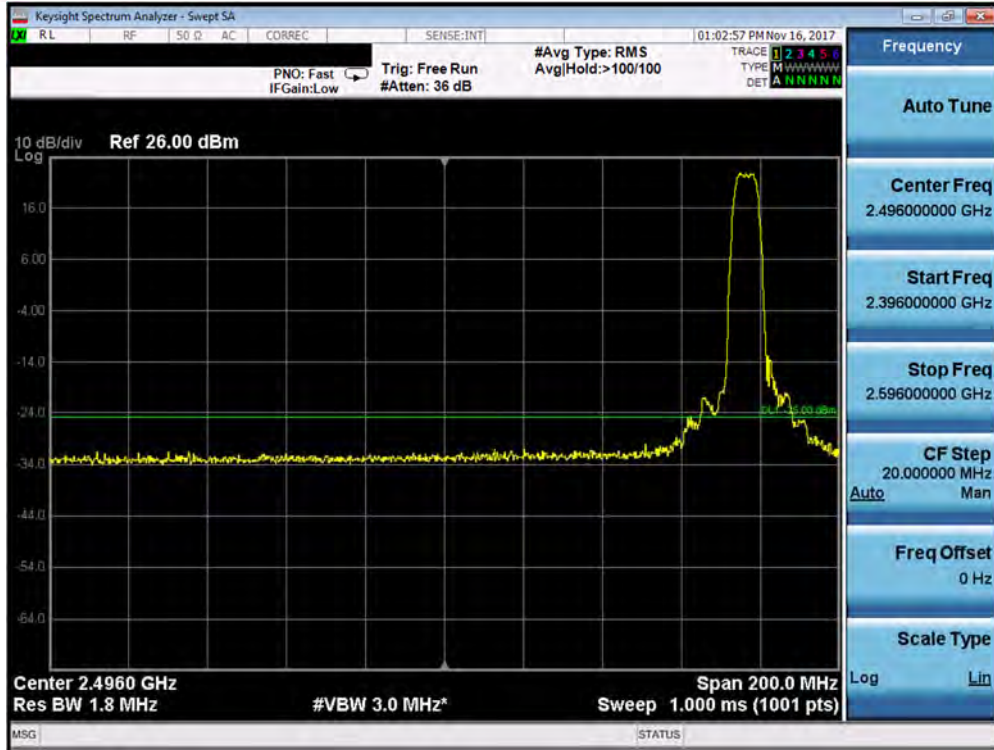


Plot 7-377. Lower ACP Plot (Band 41 – 20.0MHz QPSK – RB Size 100)

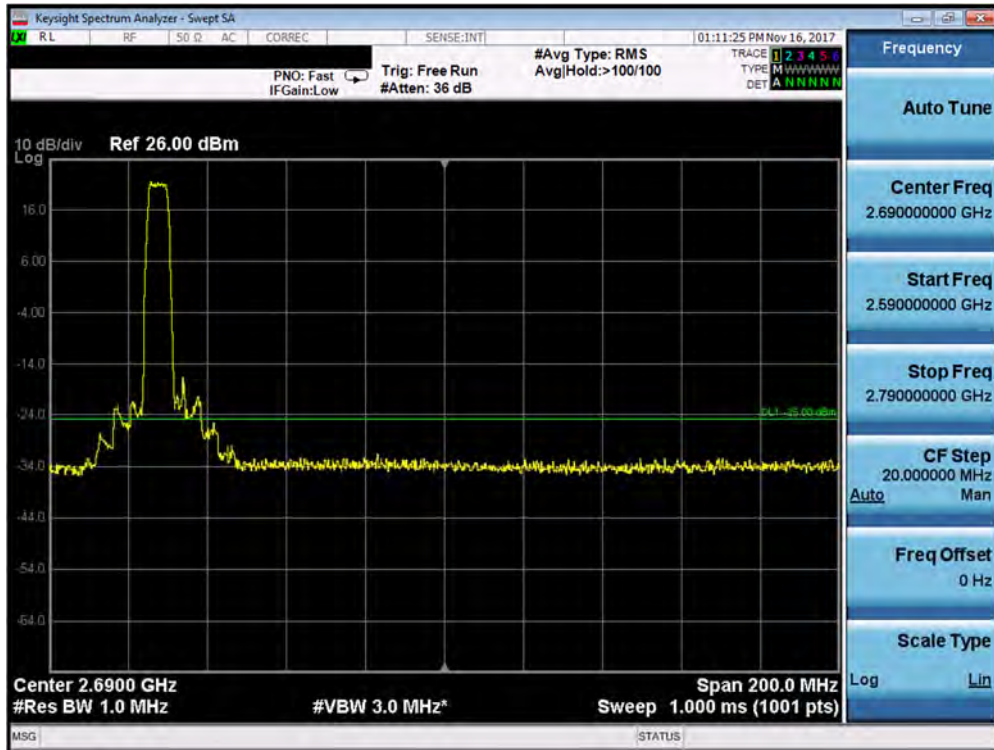


Plot 7-378. Upper ACP Plot (Band 41 – 20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG960U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 217 of 349

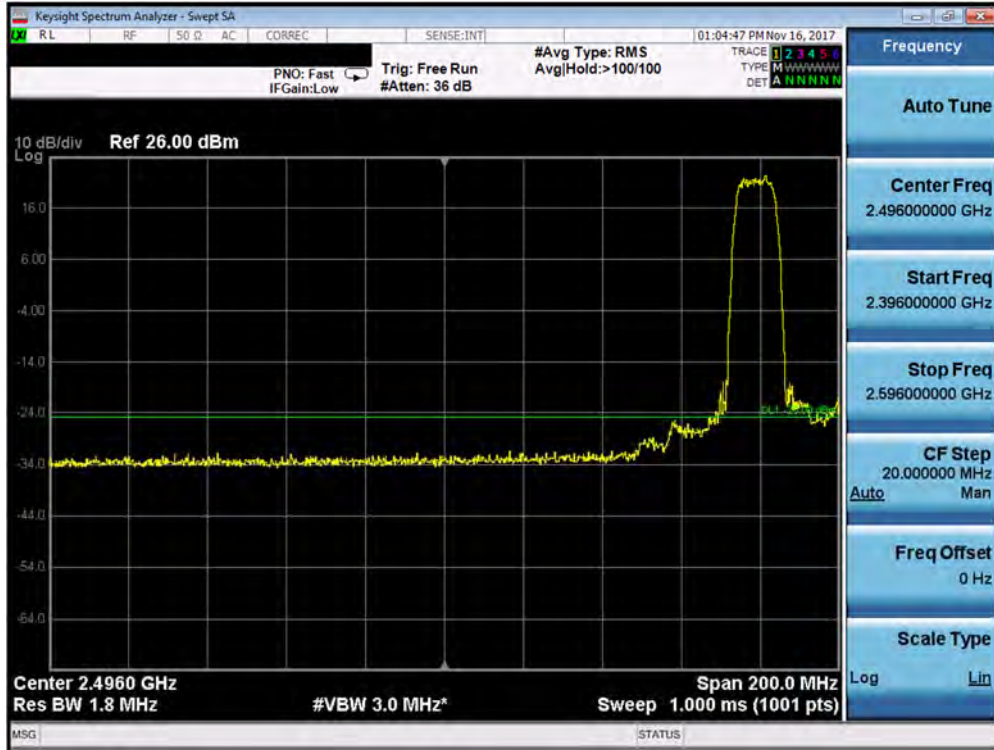


Plot 7-379. Lower ACP Plot (Band 38 – 5.0MHz QPSK – RB Size 25)

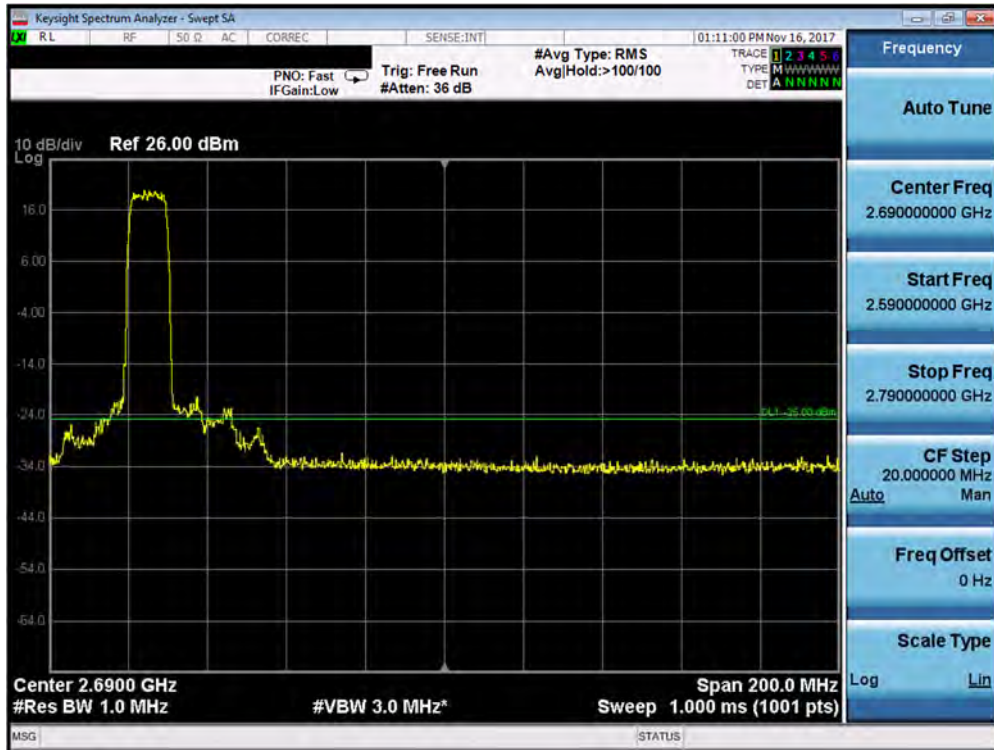


Plot 7-380. Upper ACP Plot (Band 38 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-11/12/2018	EUT Type: Portable Handset		Page 218 of 349

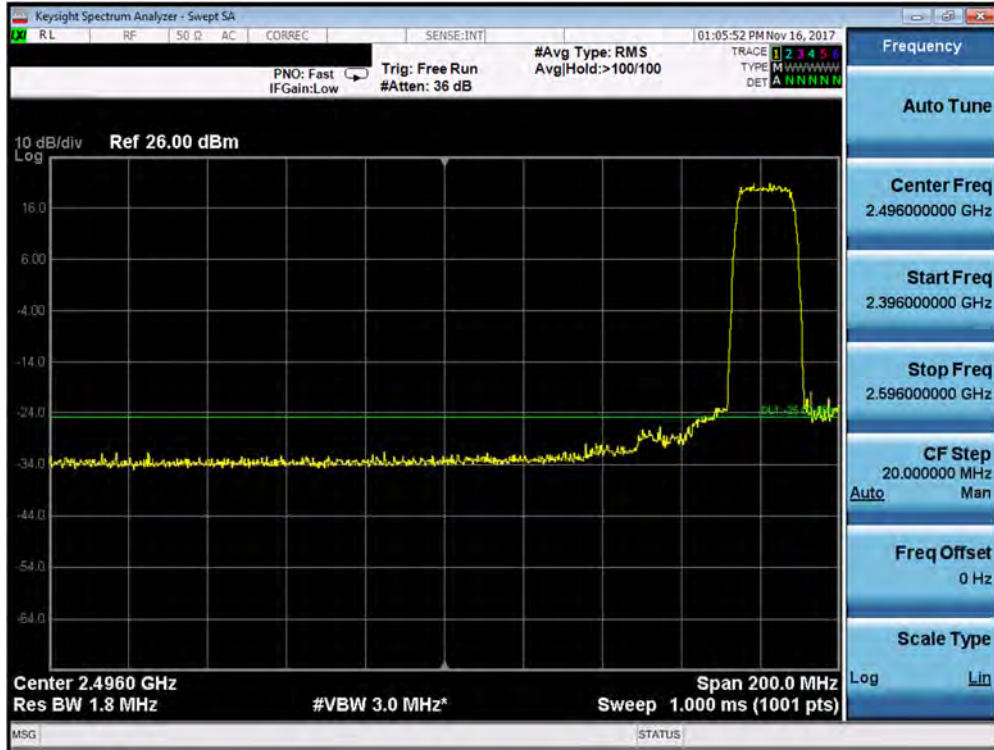


Plot 7-381. Lower ACP Plot (Band 38 – 10.0MHz QPSK – RB Size 50)

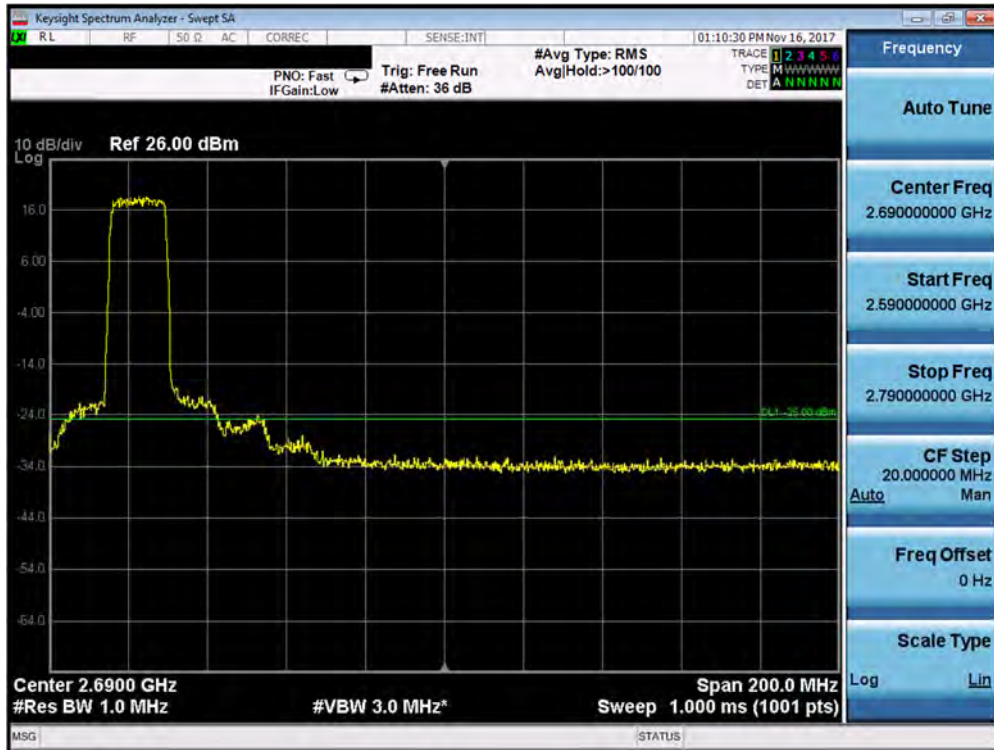


Plot 7-382. Upper ACP Plot (Band 38 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 219 of 349

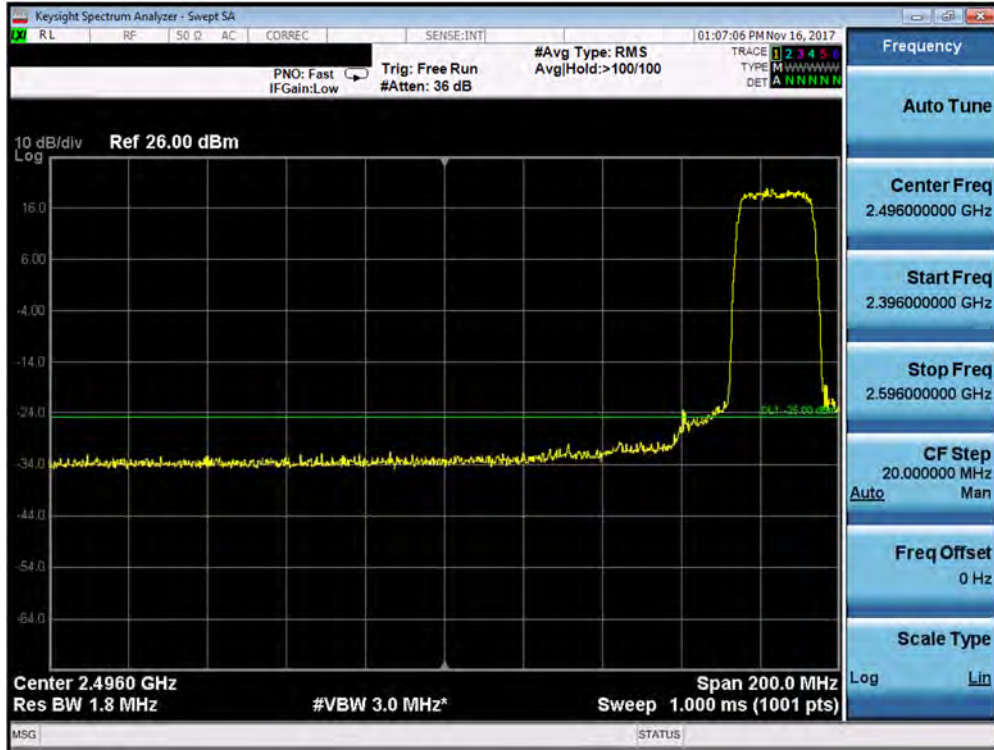


Plot 7-383. Lower ACP Plot (Band 38 – 15.0MHz QPSK – RB Size 75)

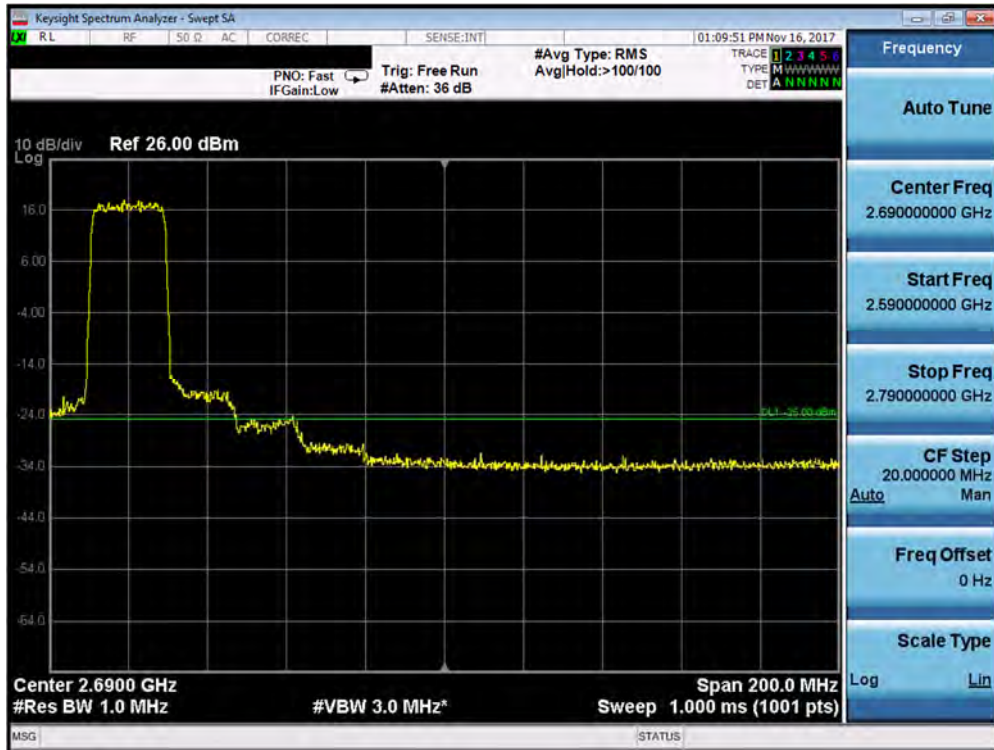


Plot 7-384. Upper ACP Plot (Band 38 – 15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 220 of 349



Plot 7-385. Lower ACP Plot (Band 38 – 20.0MHz QPSK – RB Size 100)



Plot 7-386. Upper ACP Plot (Band 38 – 20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG960U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1711010281-03-R3.A3L	Test Dates: 11/1/2017-1/12/2018	EUT Type: Portable Handset		Page 221 of 349