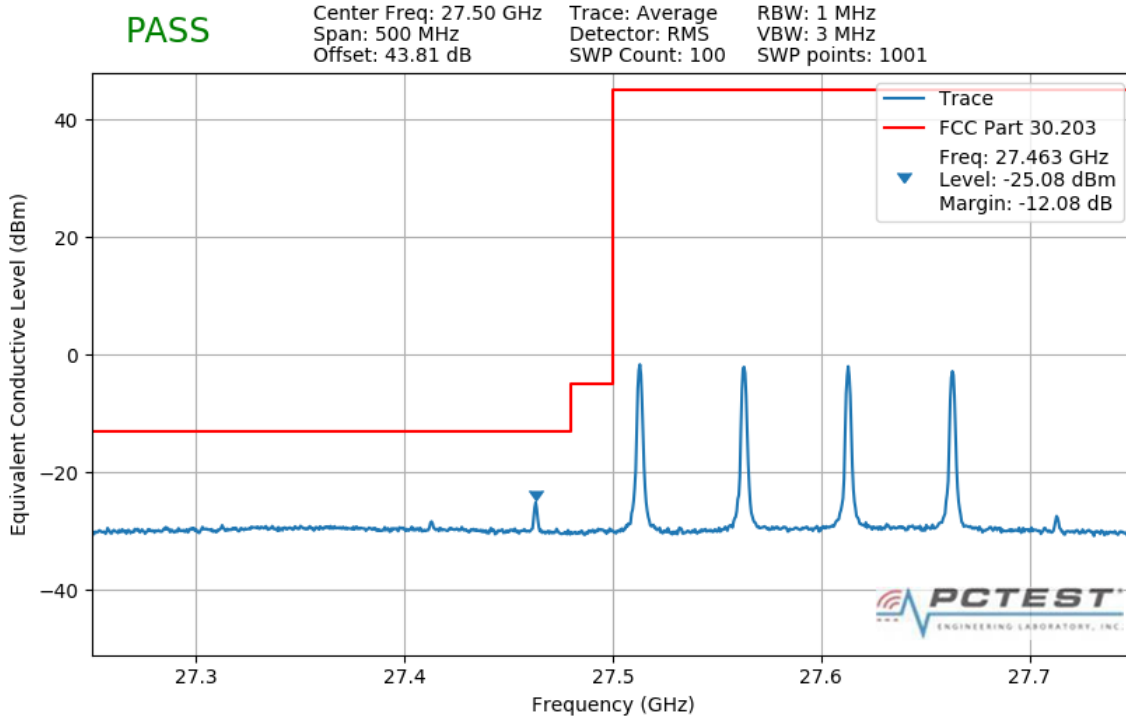
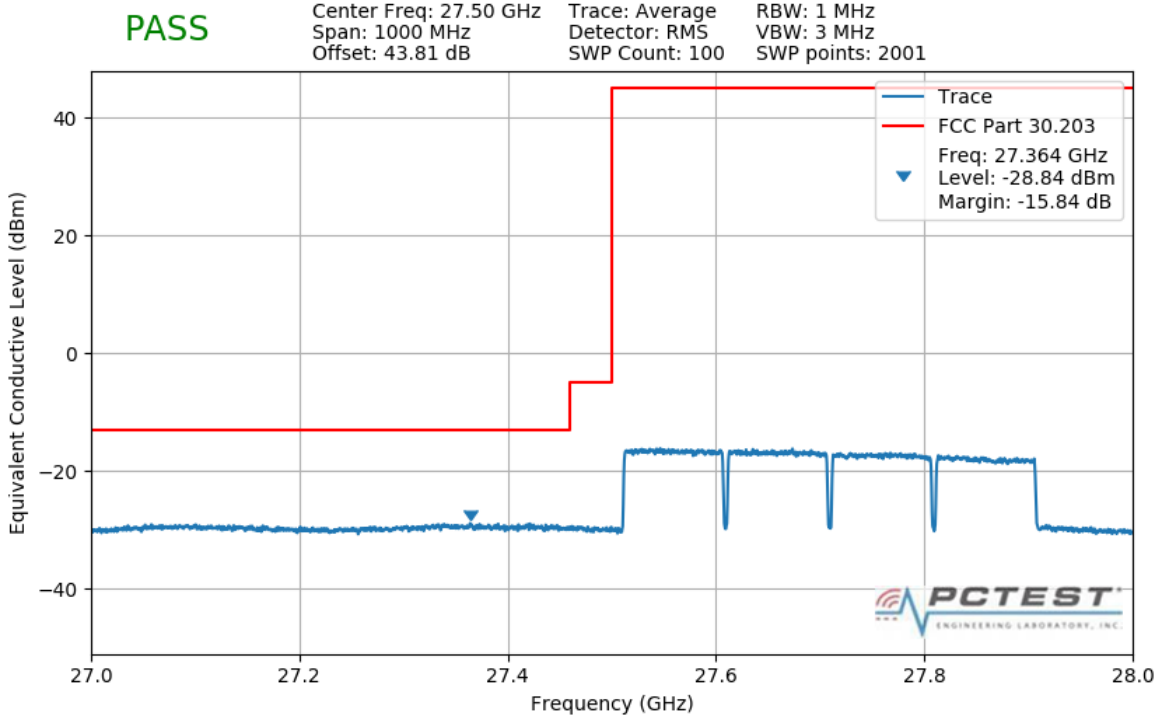


Plot 7-259. Lower Band Edge Plot (4CC 200MHz 16QAM 1 RB)

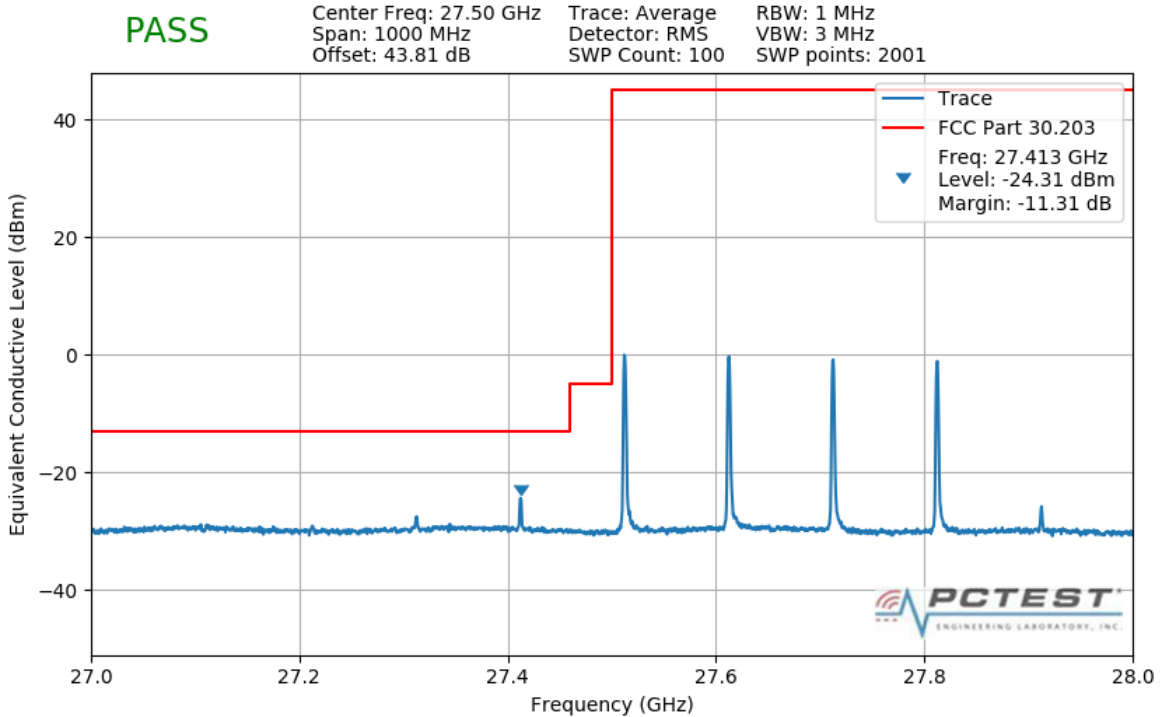


Plot 7-260. Lower Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 177 of 337

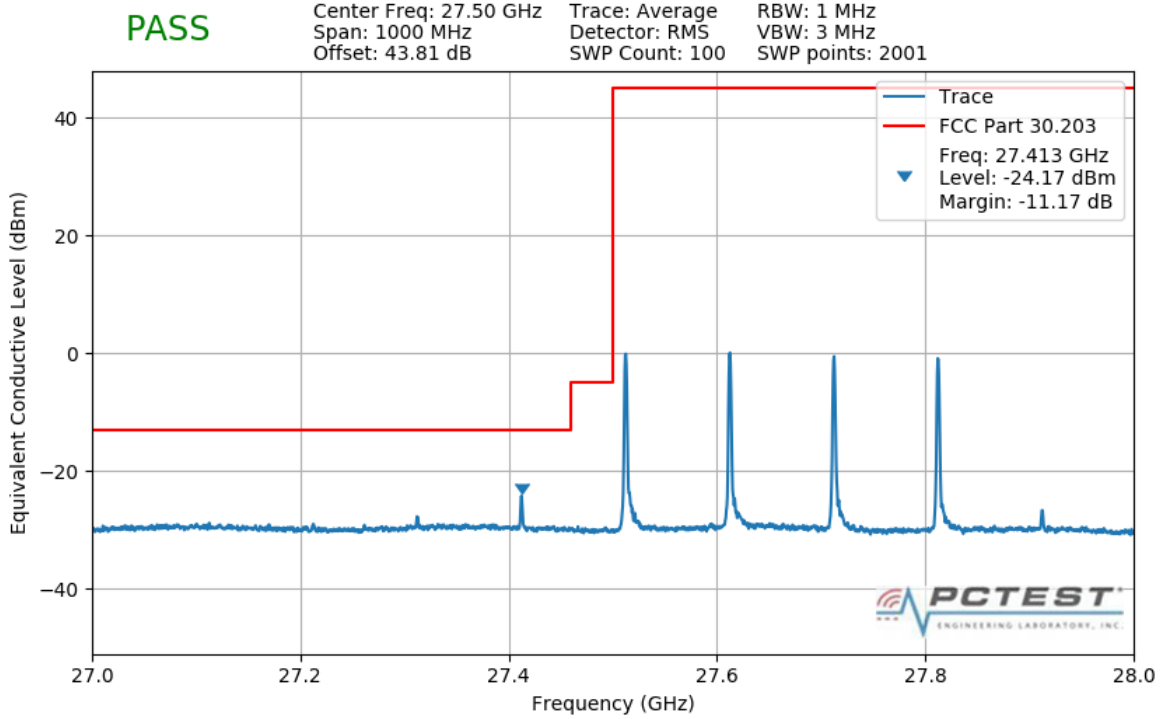


Plot 7-261. Lower Band Edge Plot (4CC 400MHz QPSK Full RB)

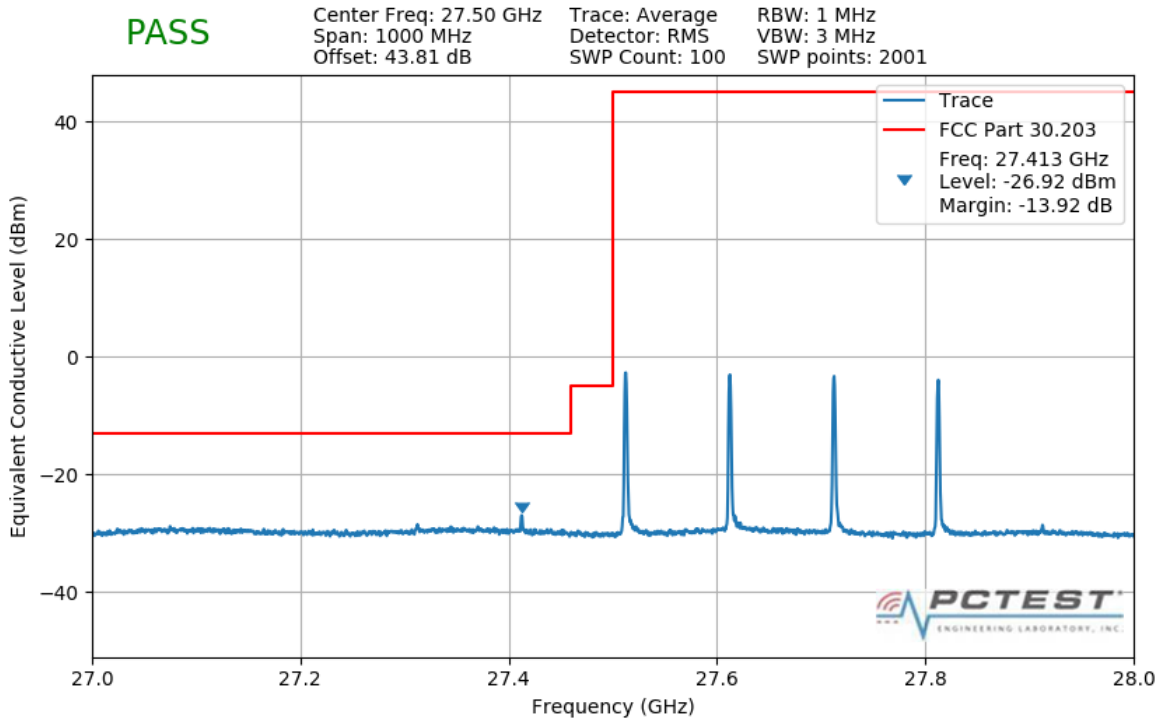


Plot 7-262. Lower Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 178 of 337

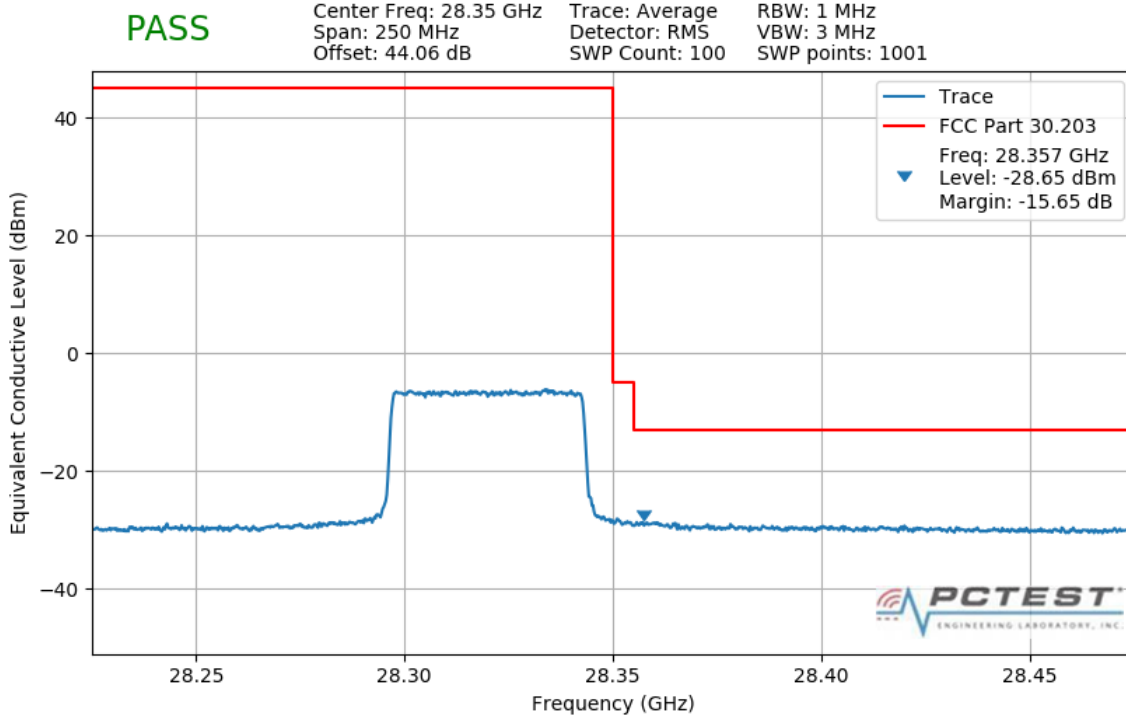


Plot 7-263. Lower Band Edge Plot (4CC 400MHz 16QAM 1 RB)

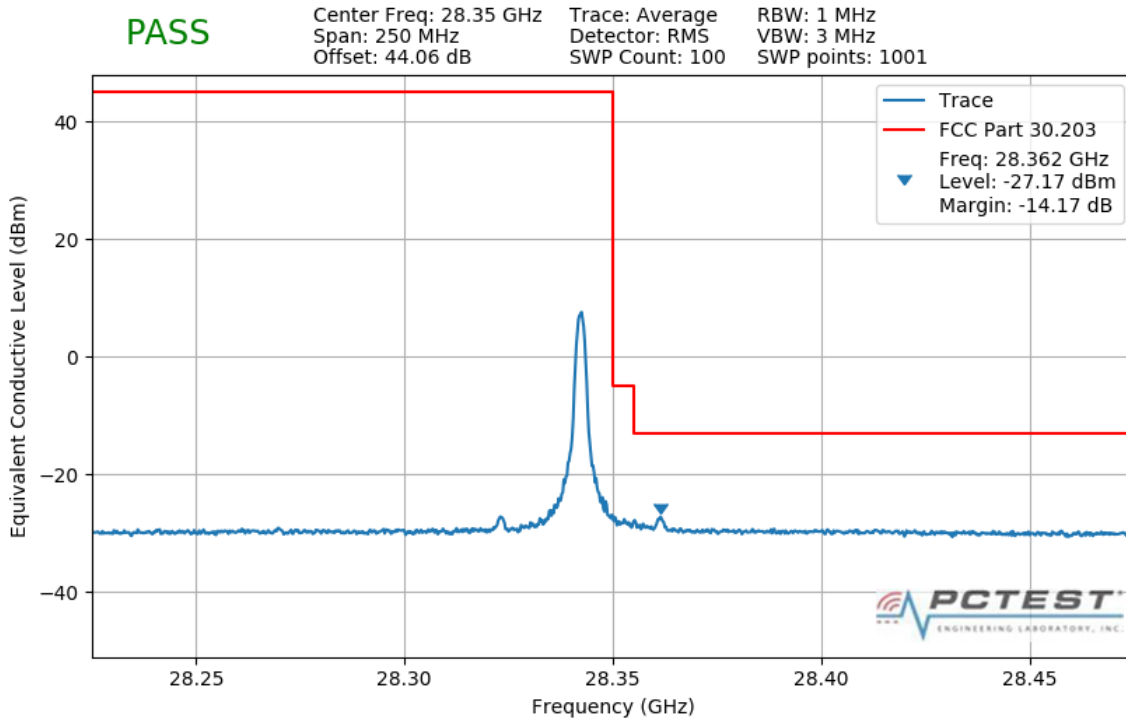


Plot 7-264. Lower Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 179 of 337

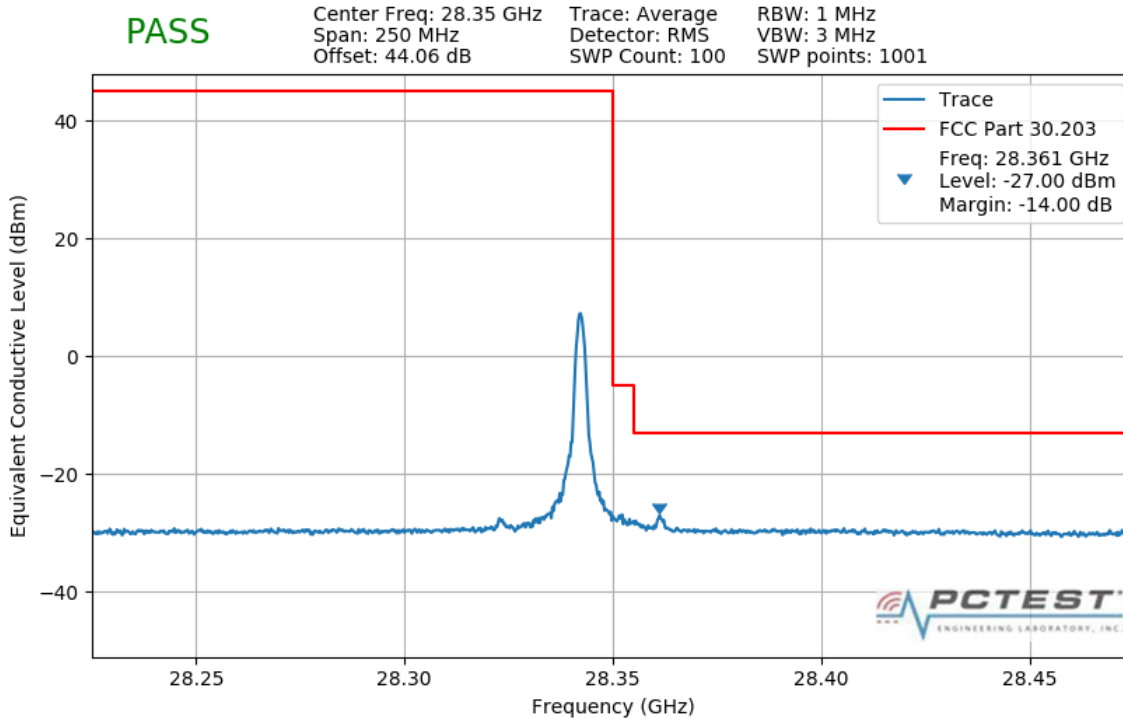


Plot 7-265. Upper Band Edge Plot (1CC 50MHz QPSK Full RB)

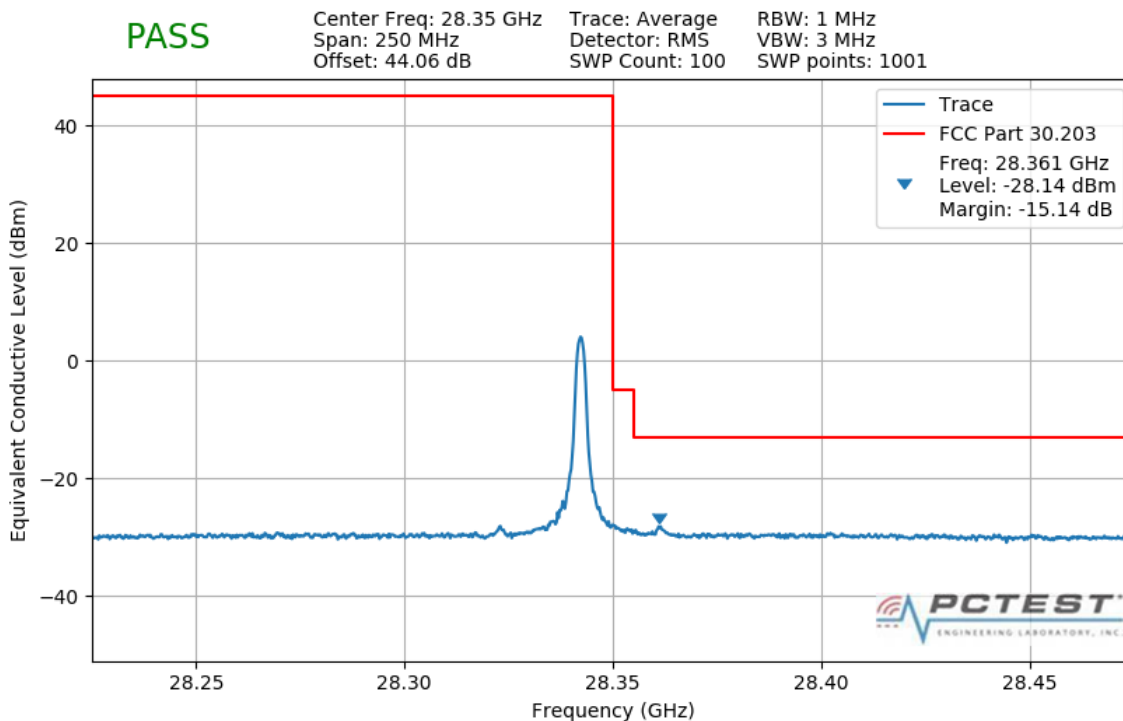


Plot 7-266. Upper Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 180 of 337

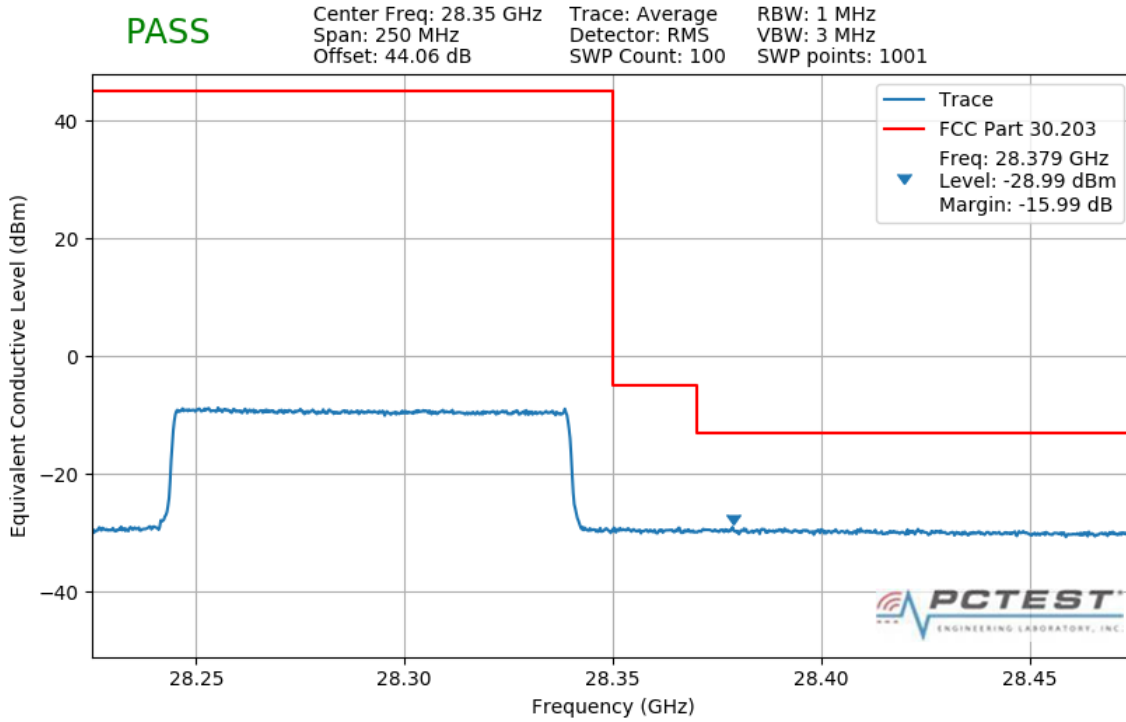


Plot 7-267. Upper Band Edge Plot (1CC 50MHz 16QAM 1 RB)

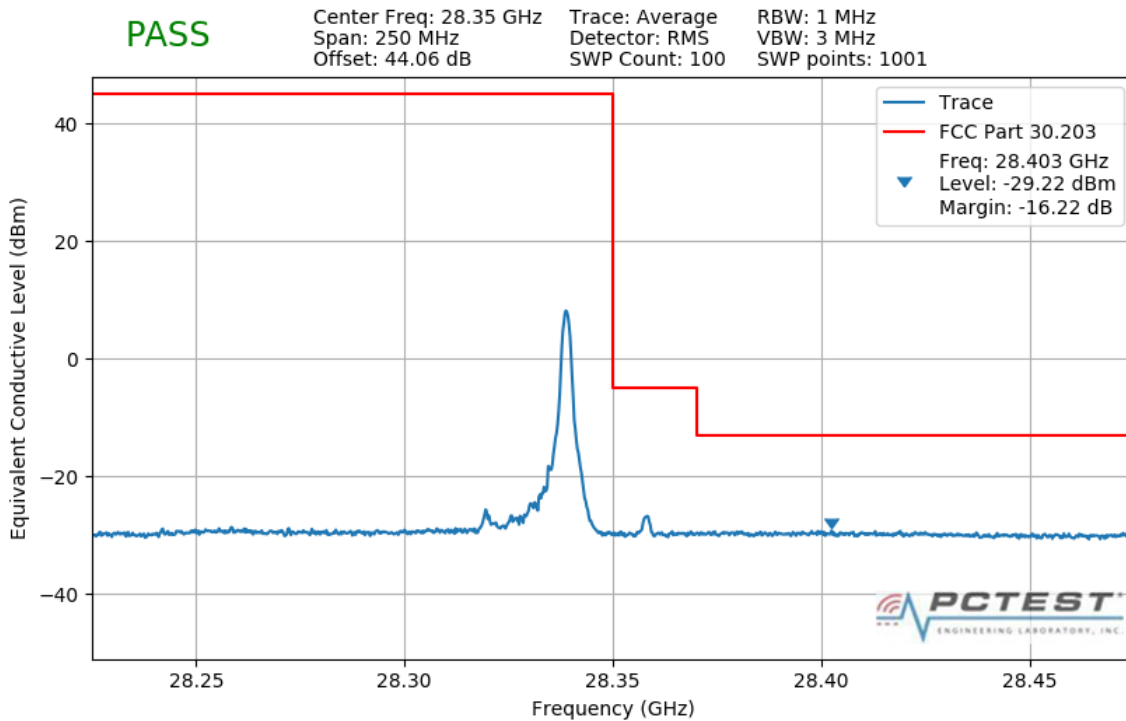


Plot 7-268. Upper Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 181 of 337

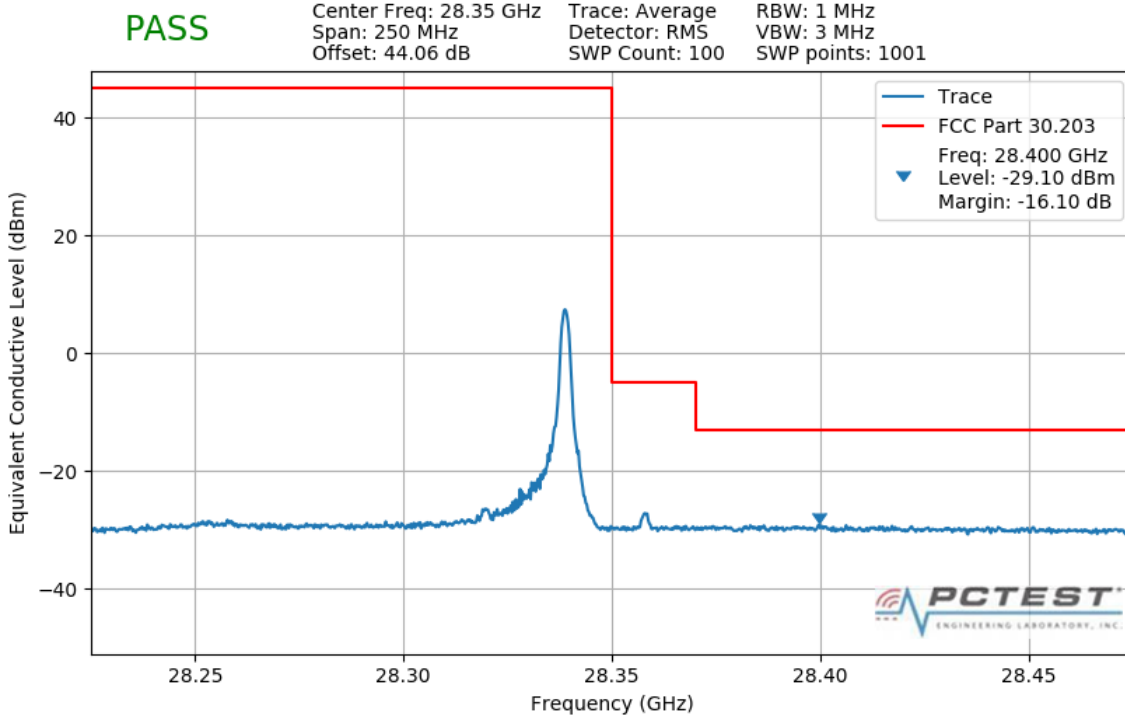


Plot 7-269. Upper Band Edge Plot (1CC 100MHz QPSK Full RB)

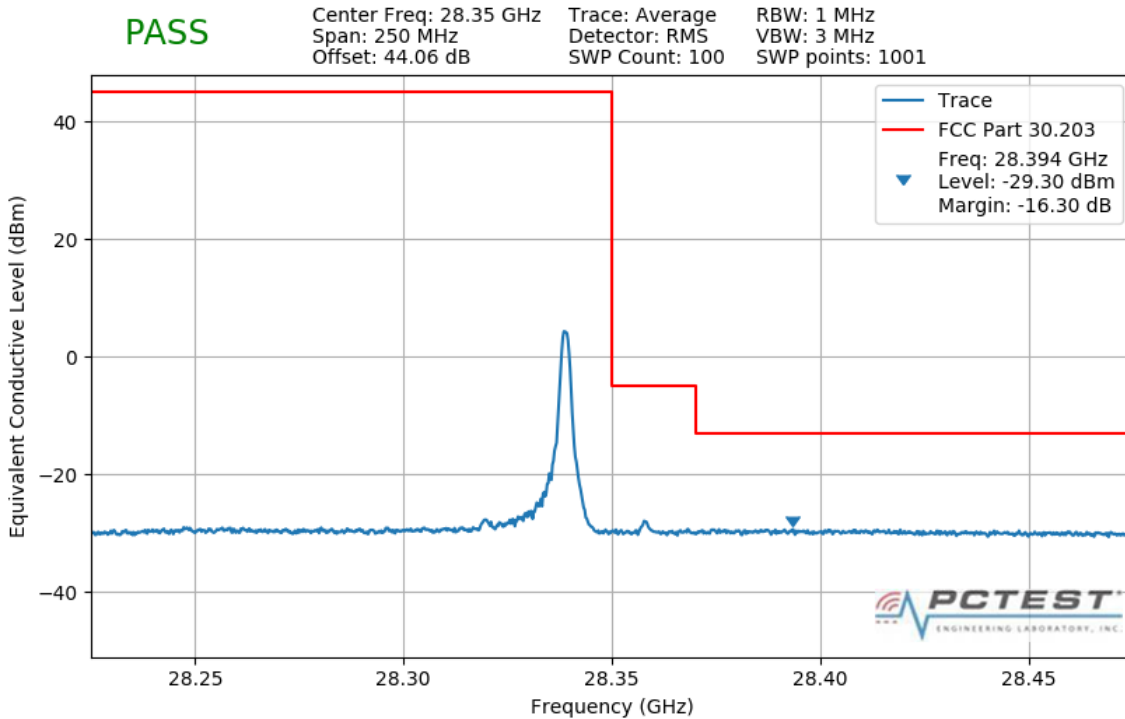


Plot 7-270. Upper Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 182 of 337

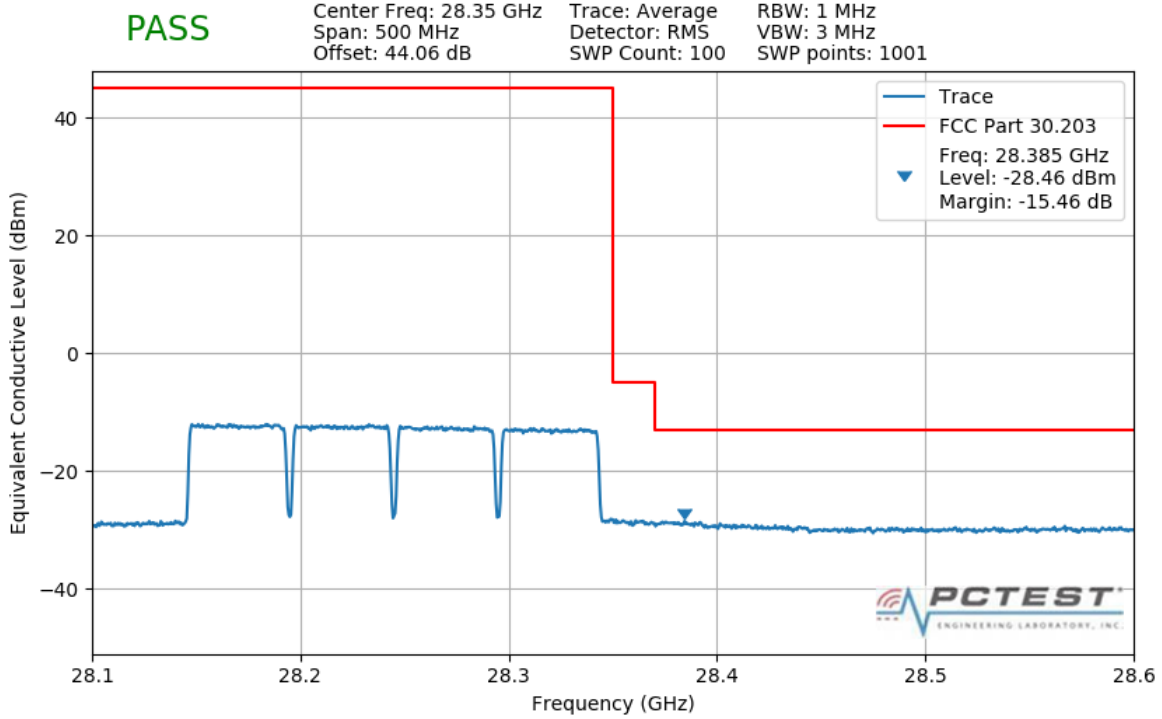


Plot 7-271. Upper Band Edge Plot (1CC 100MHz 16QAM 1 RB)

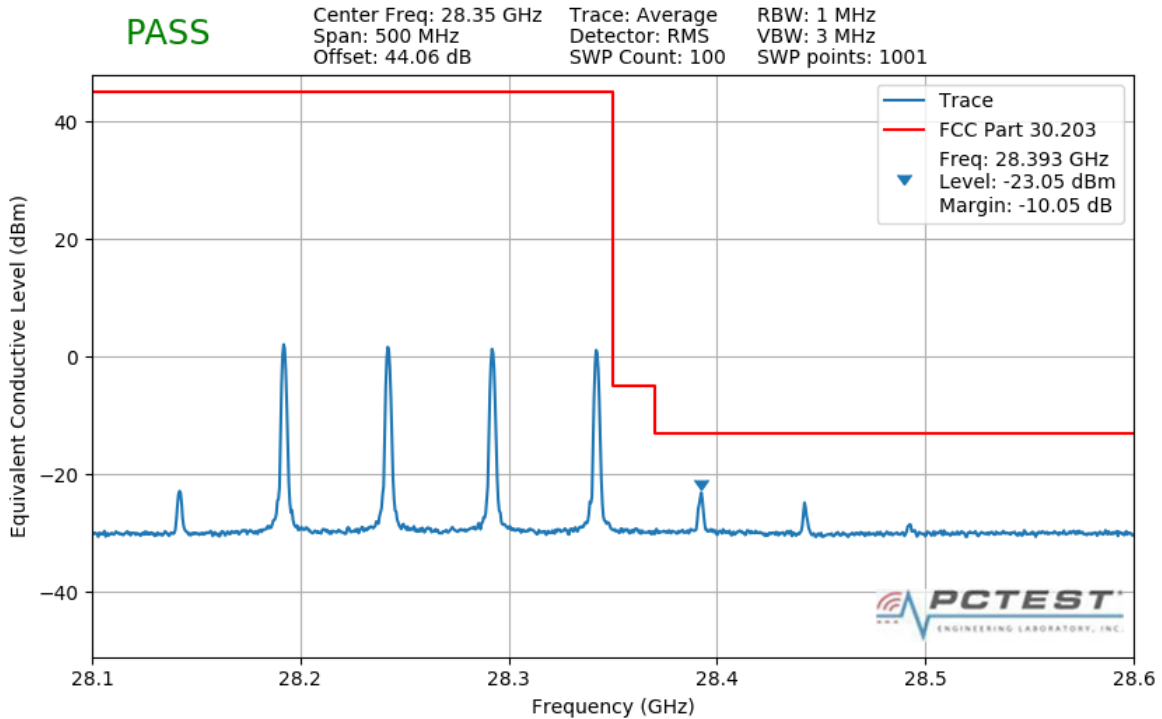


Plot 7-272. Upper Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 183 of 337

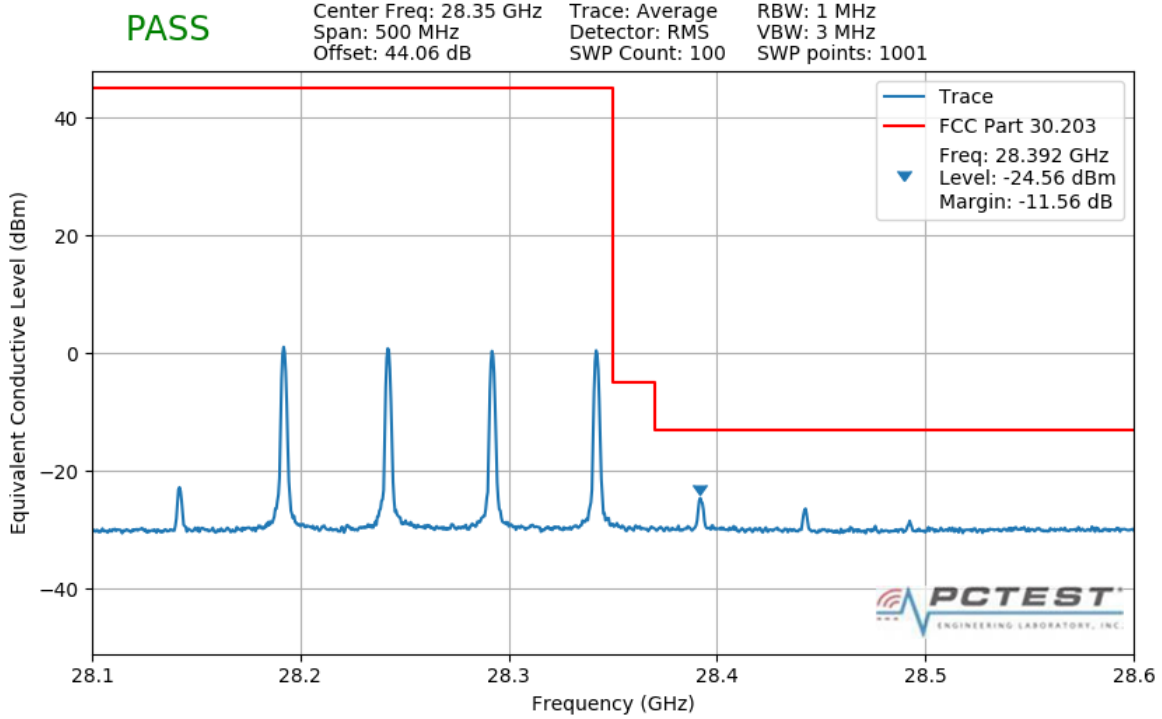


Plot 7-273. Upper Band Edge Plot (4CC 200MHz QPSK Full RB)

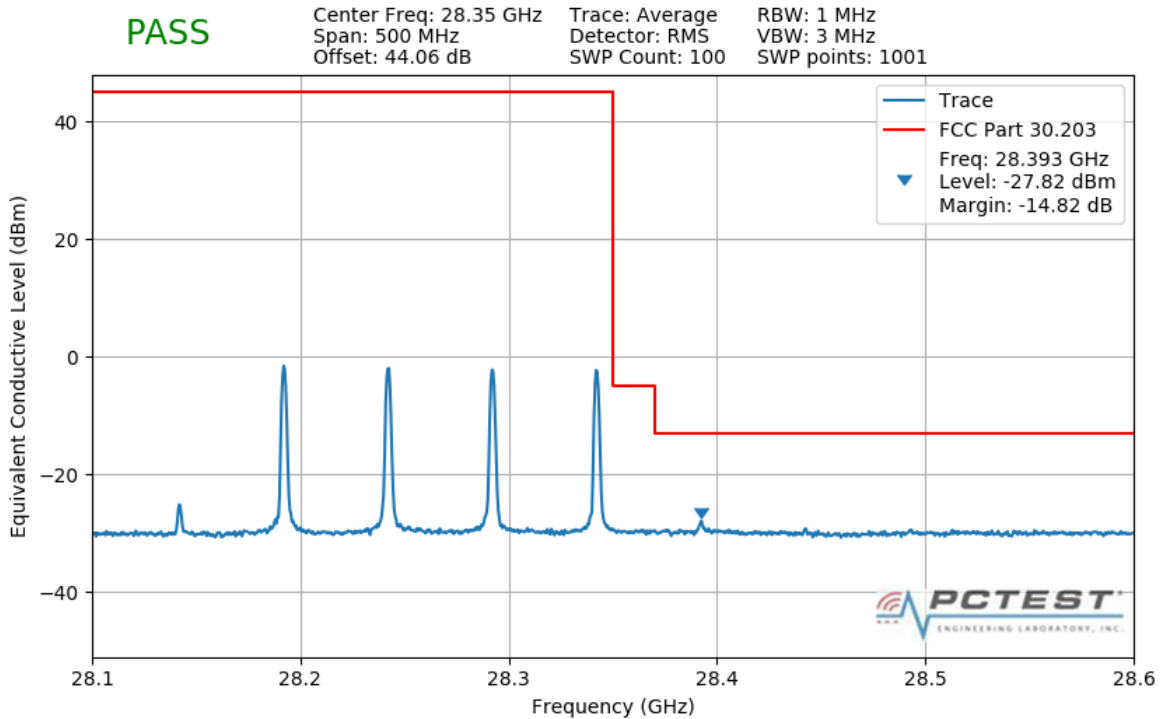


Plot 7-274. Upper Band Edge Plot (4CC 200MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 184 of 337

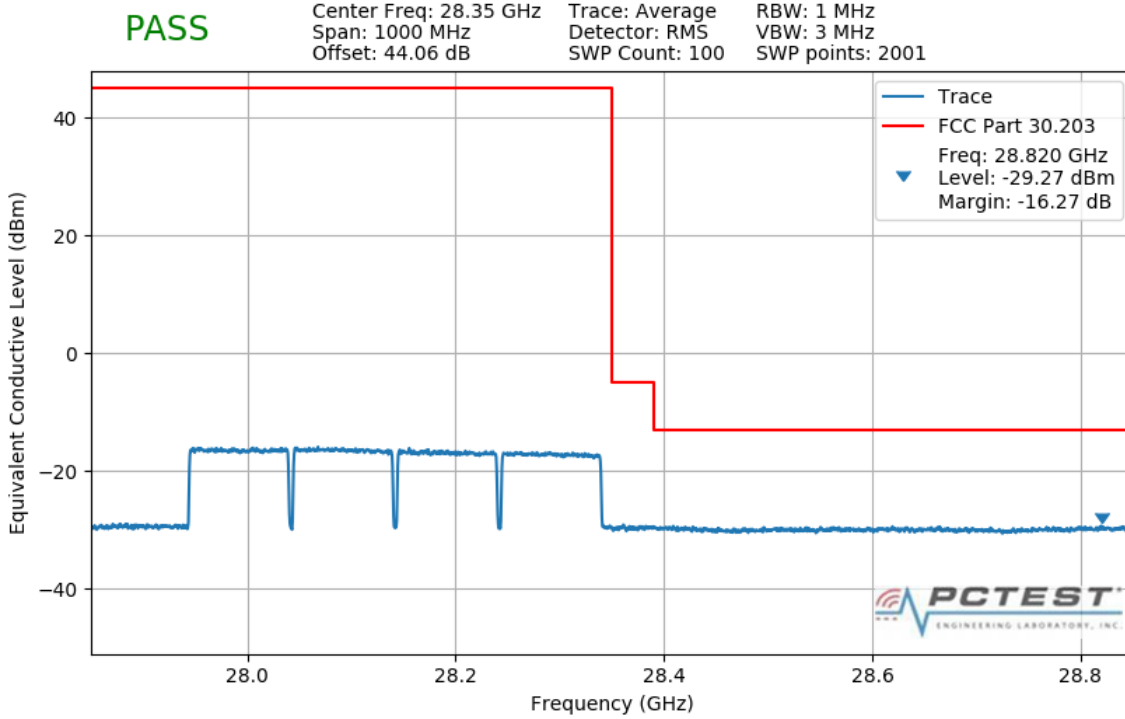


Plot 7-275. Upper Band Edge Plot (4CC 200MHz 16QAM 1 RB)

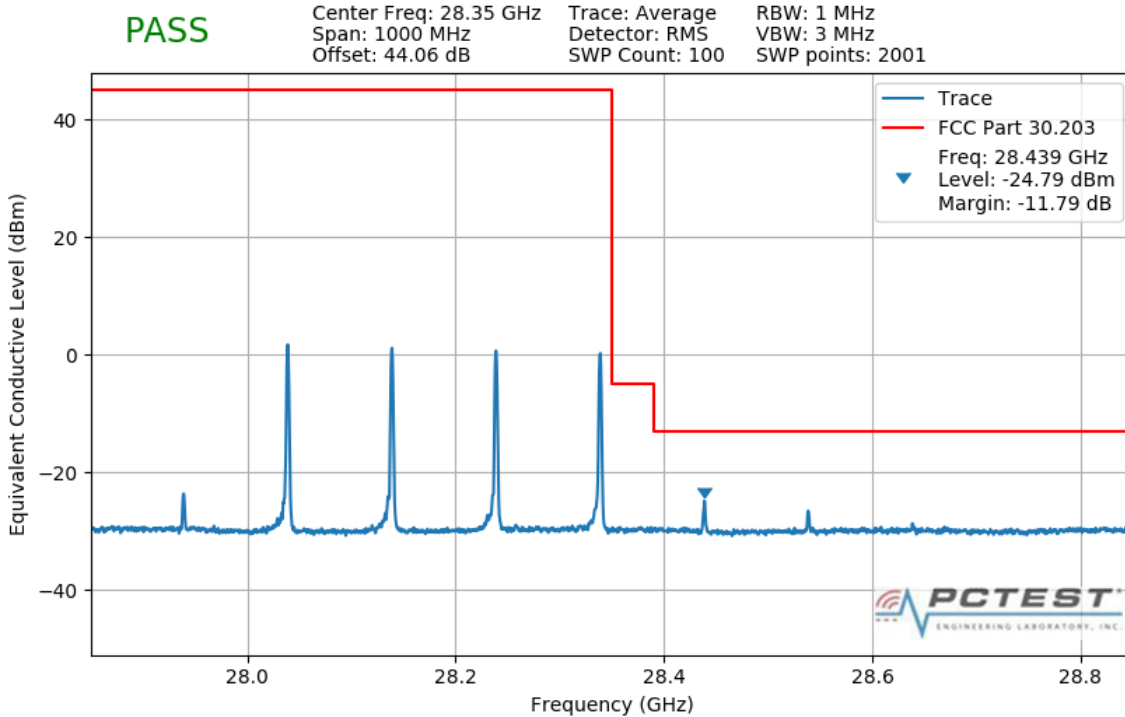


Plot 7-276. Upper Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 185 of 337

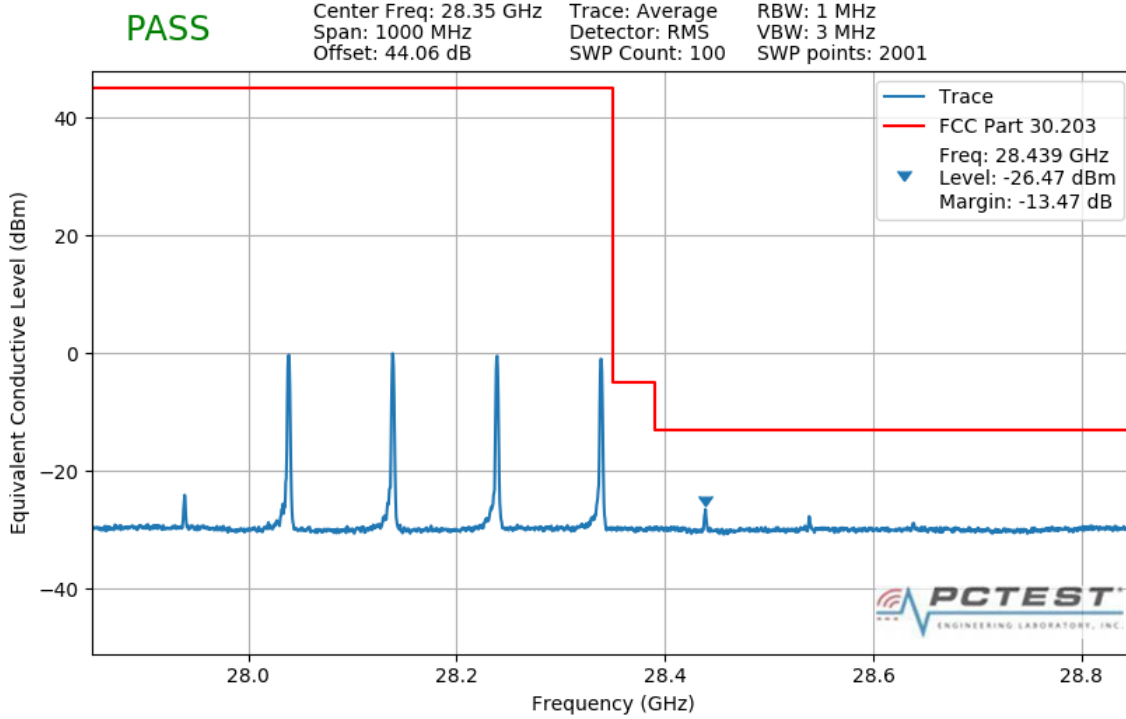


Plot 7-277. Upper Band Edge Plot (4CC 400MHz QPSK Full RB)

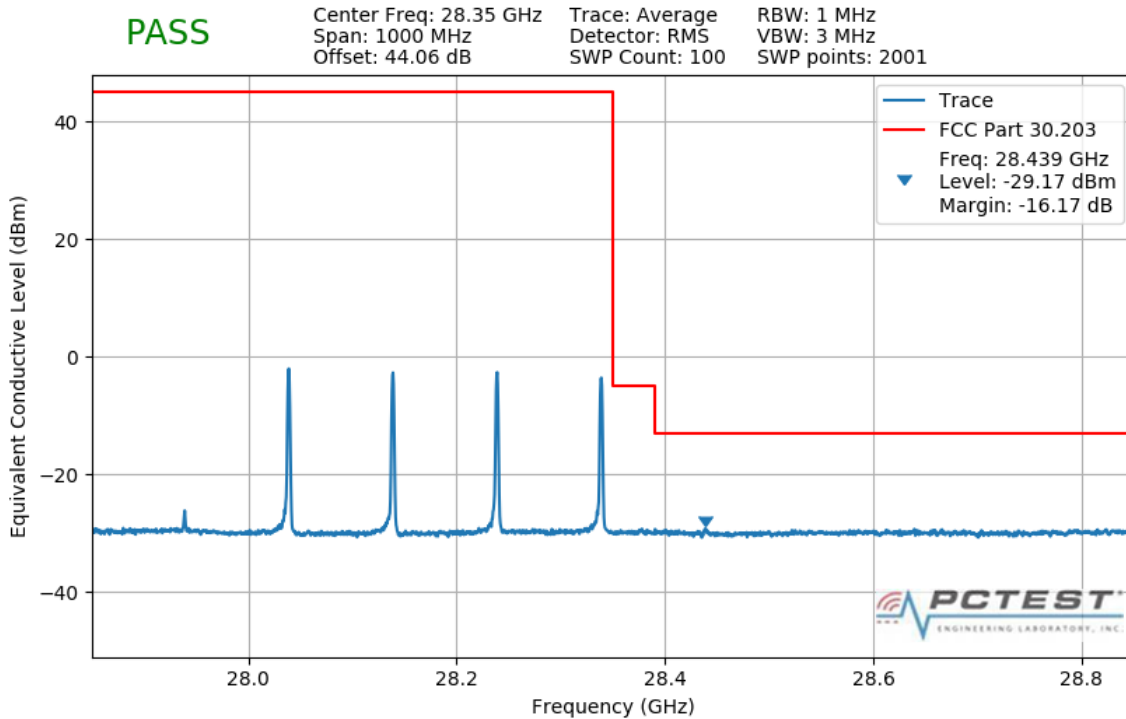


Plot 7-278. Upper Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 186 of 337



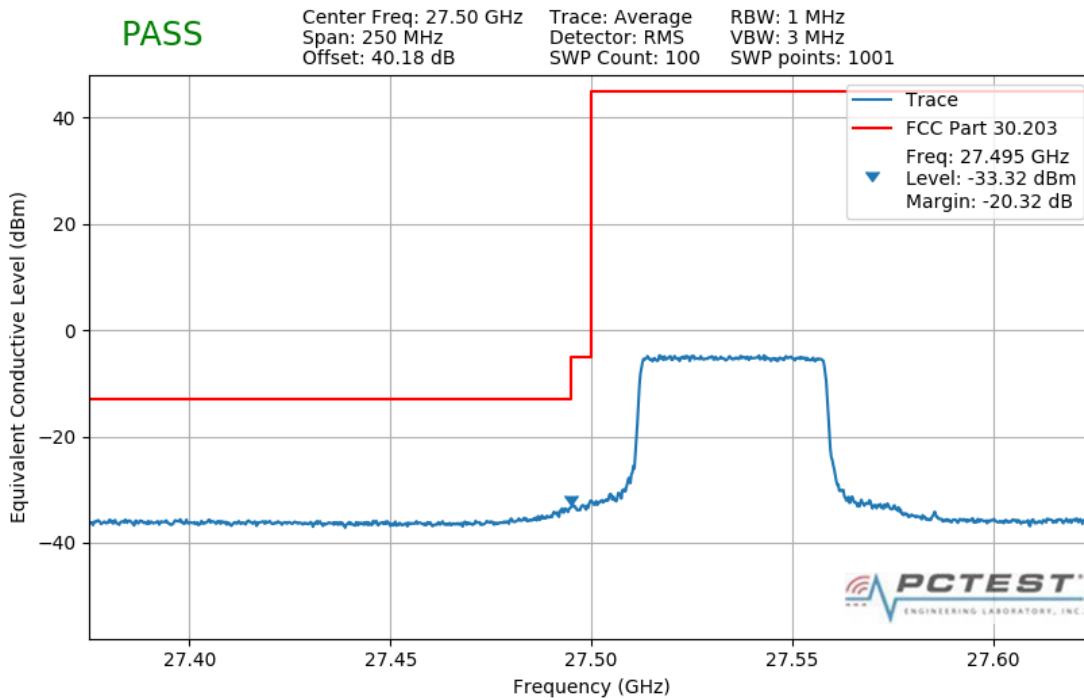
Plot 7-279. Upper Band Edge Plot (4CC 400MHz 16QAM 1 RB)



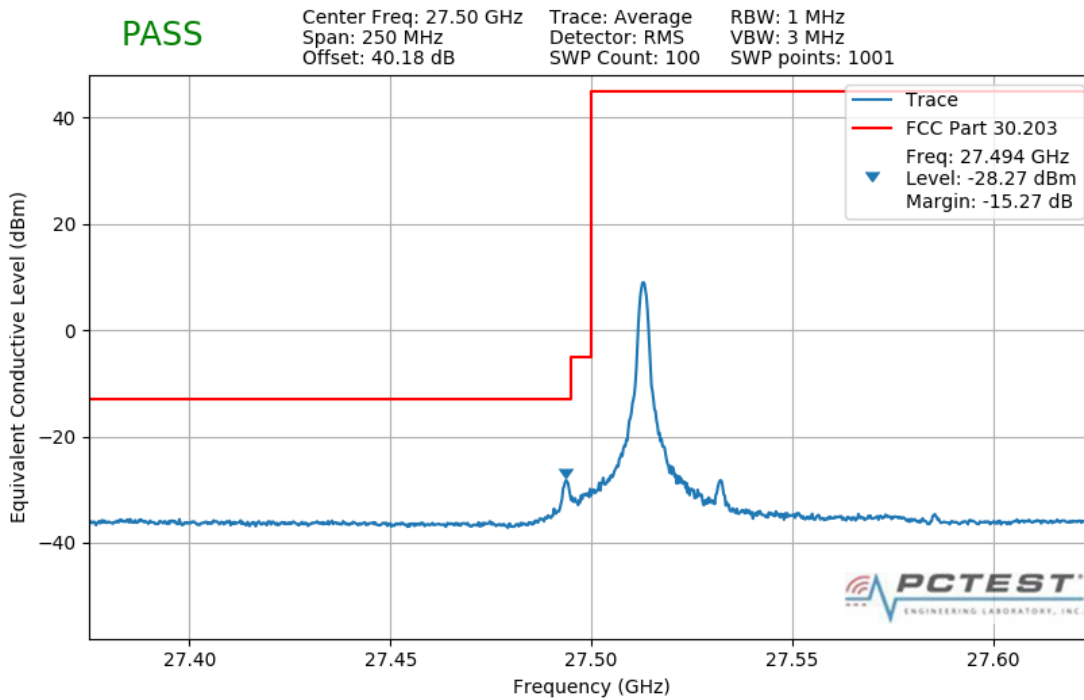
Plot 7-280. Upper Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 187 of 337

7.5.3 J Patch Band Edge H Beam

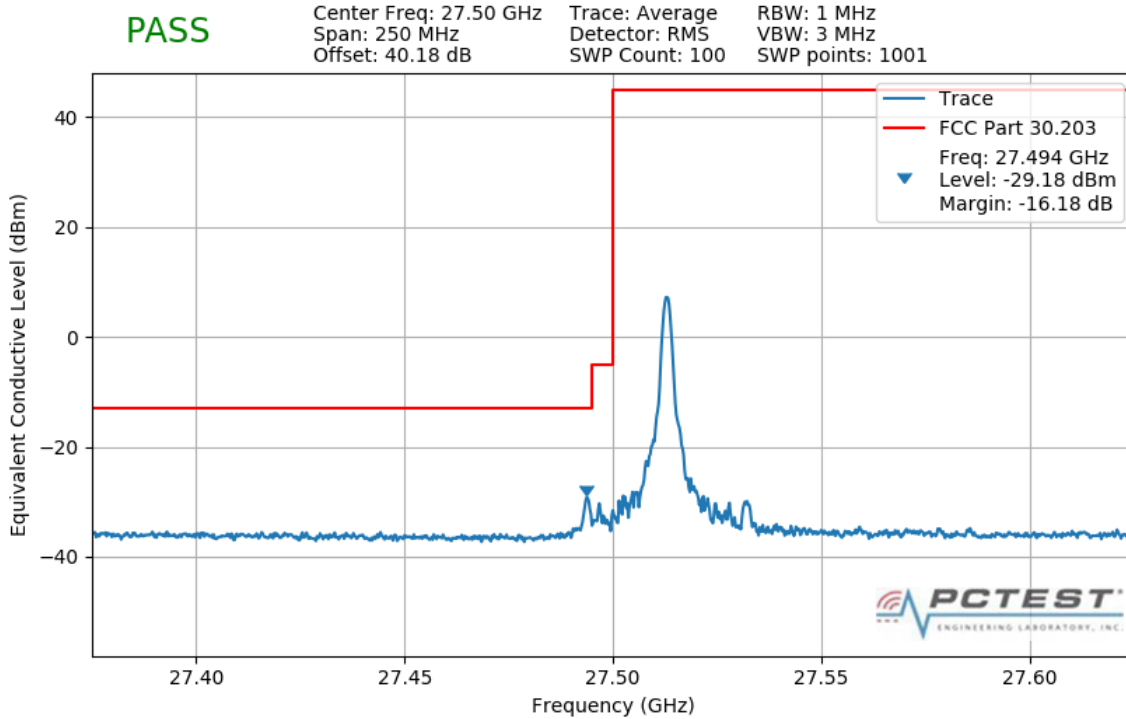


Plot 7-281. Lower Band Edge Plot (1CC 50MHz QPSK Full RB)

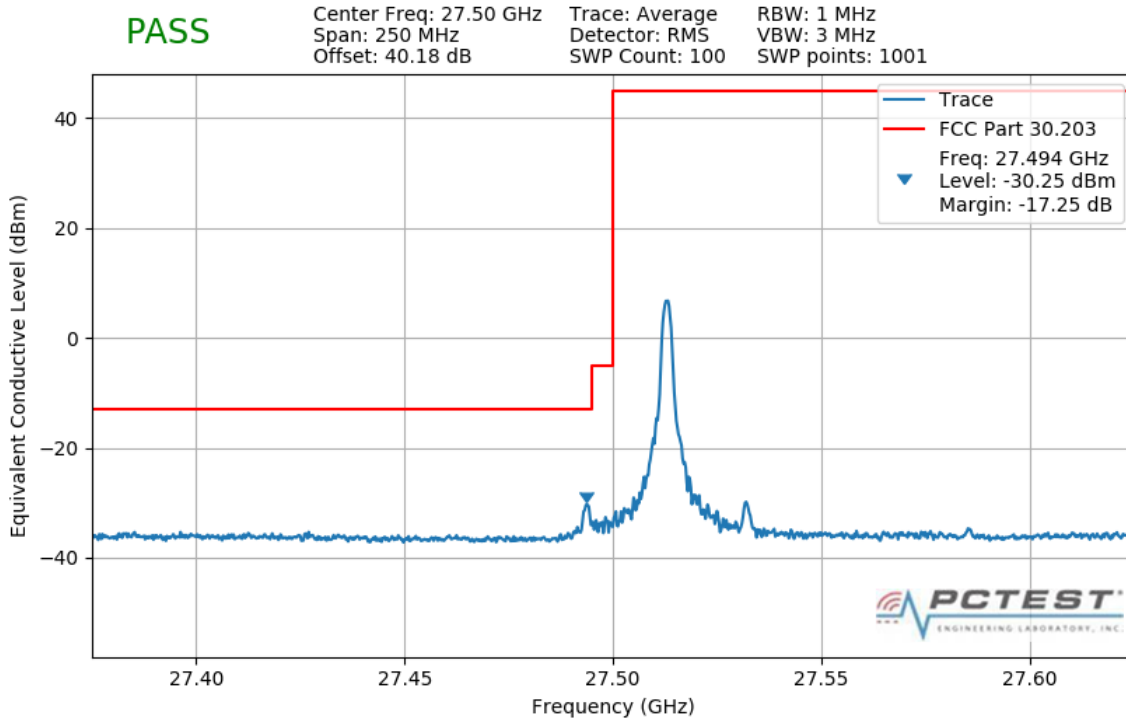


Plot 7-282. Lower Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 188 of 337

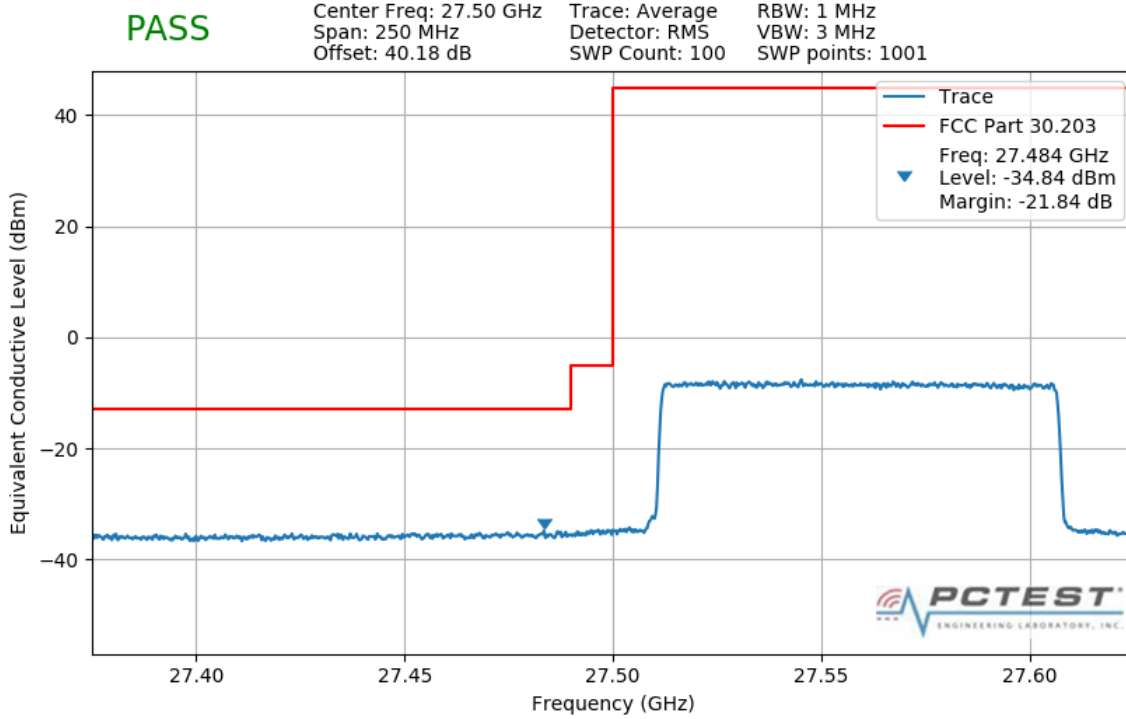


Plot 7-283. Lower Band Edge Plot (1CC 50MHz 16QAM 1 RB)

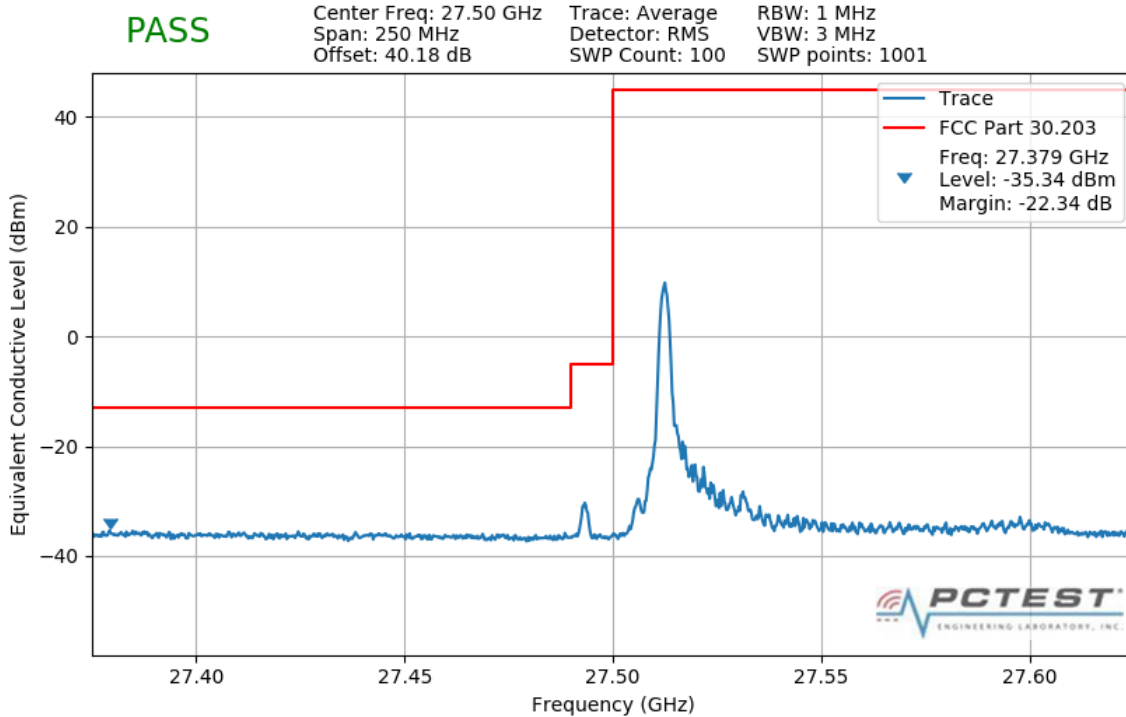


Plot 7-284. Lower Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset			Page 189 of 337

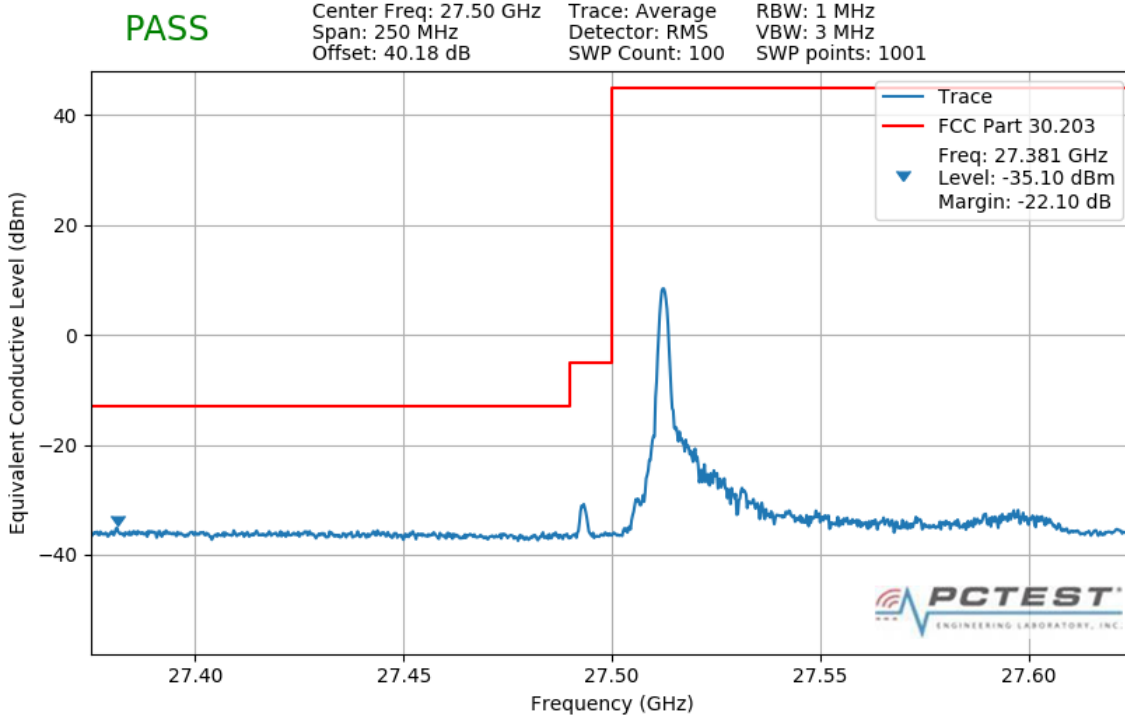


Plot 7-285. Lower Band Edge Plot (1CC 100MHz QPSK Full RB)

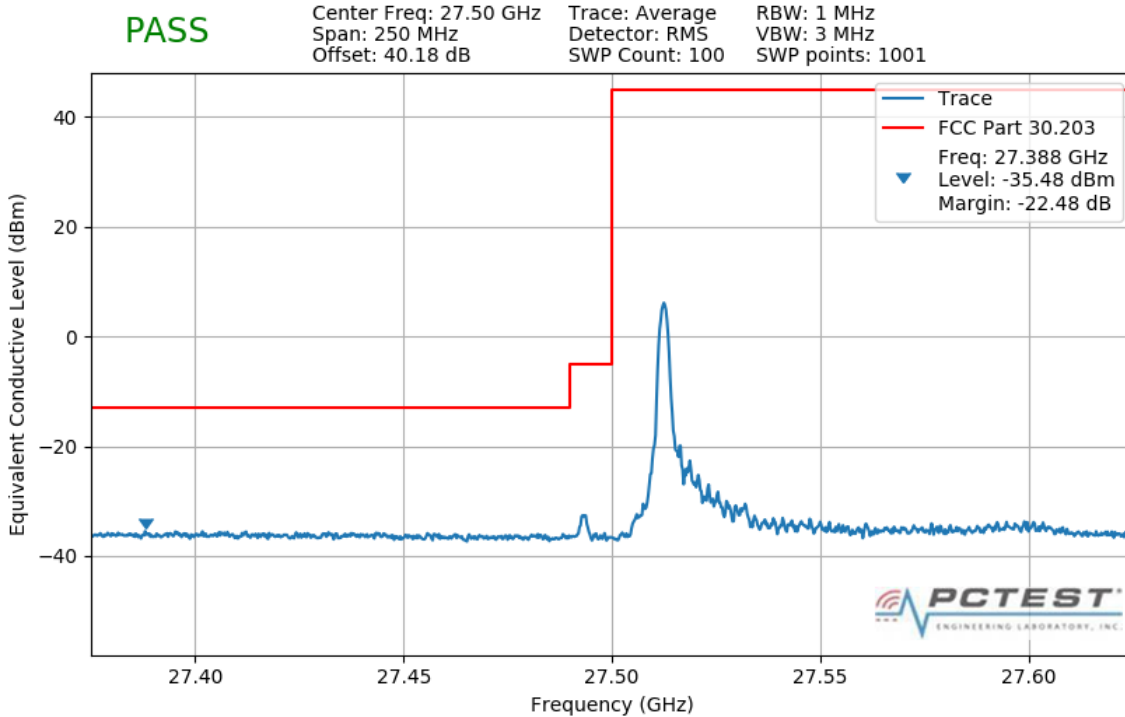


Plot 7-286. Lower Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 190 of 337

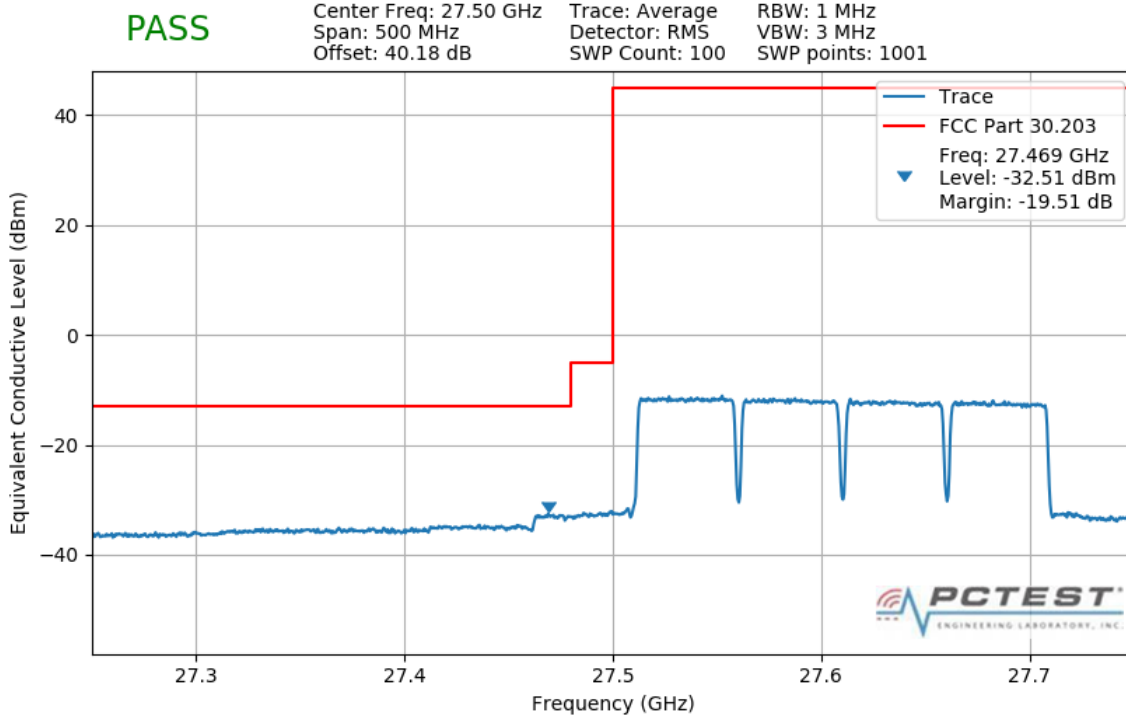


Plot 7-287. Lower Band Edge Plot (1CC 100MHz 16QAM 1 RB)

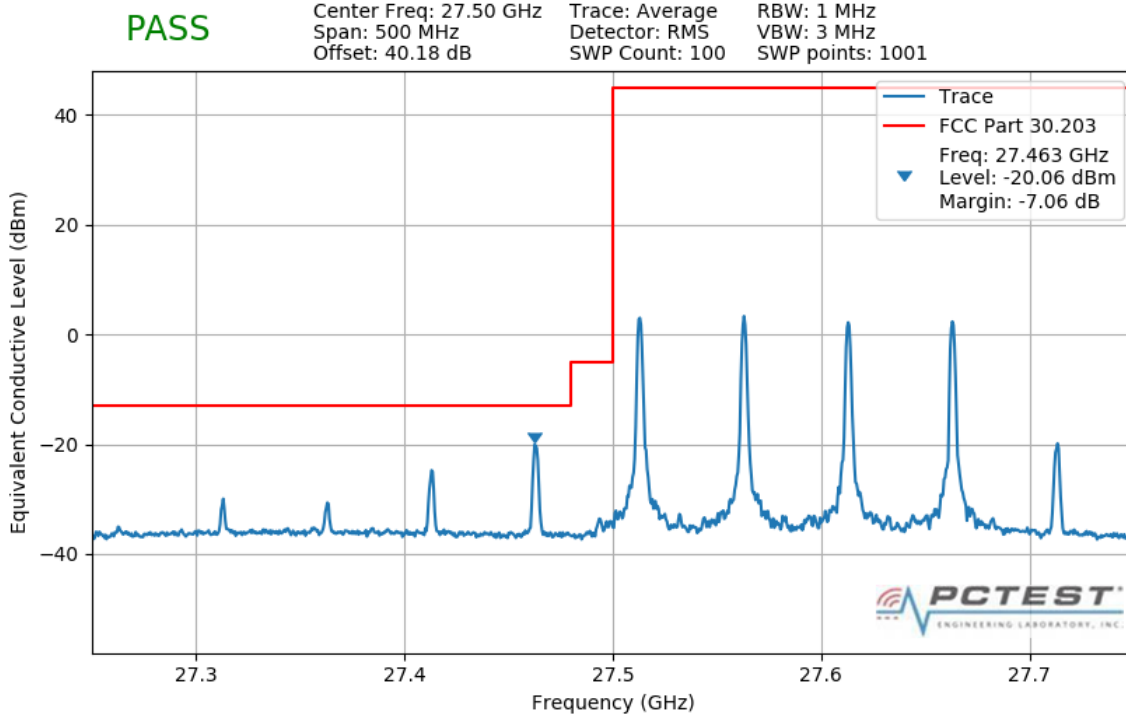


Plot 7-288. Lower Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 191 of 337

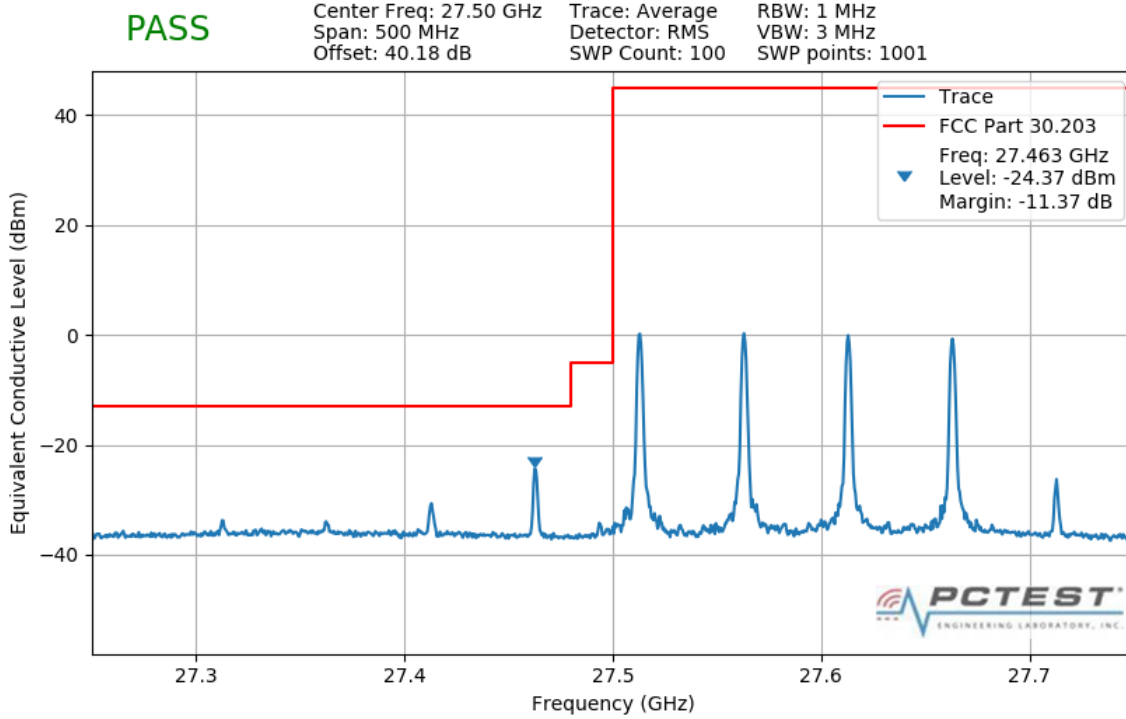


Plot 7-289. Lower Band Edge Plot (4CC 200MHz QPSK Full RB)

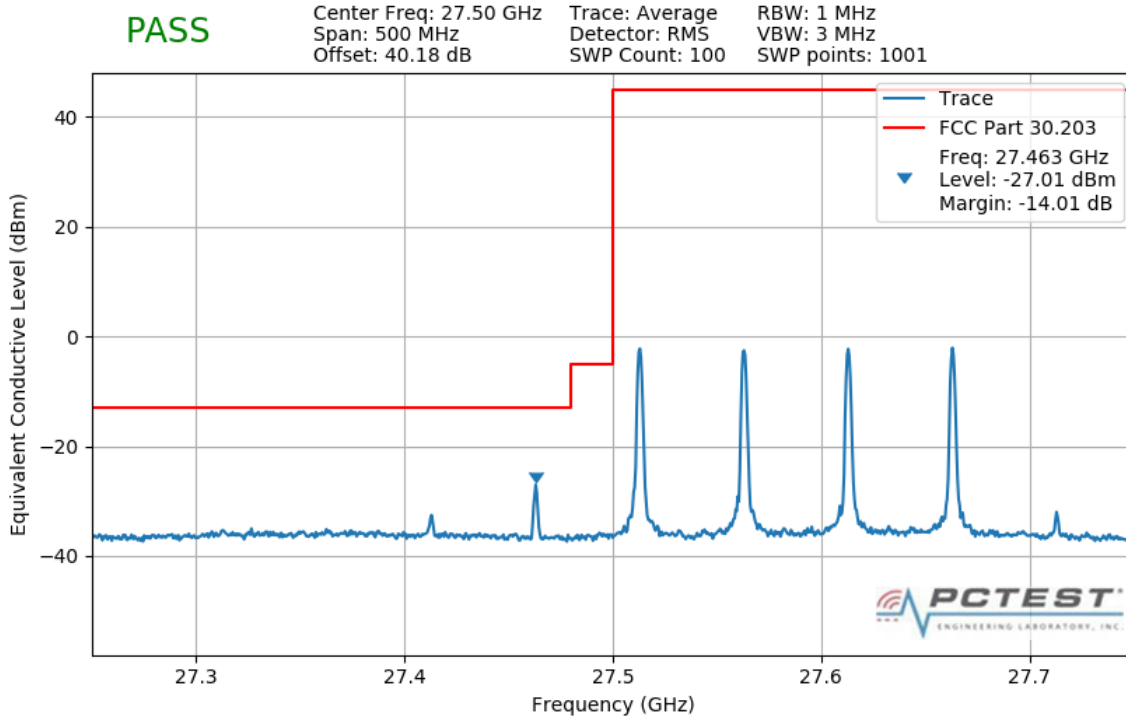


Plot 7-290. Lower Band Edge Plot (4CC 200MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 192 of 337

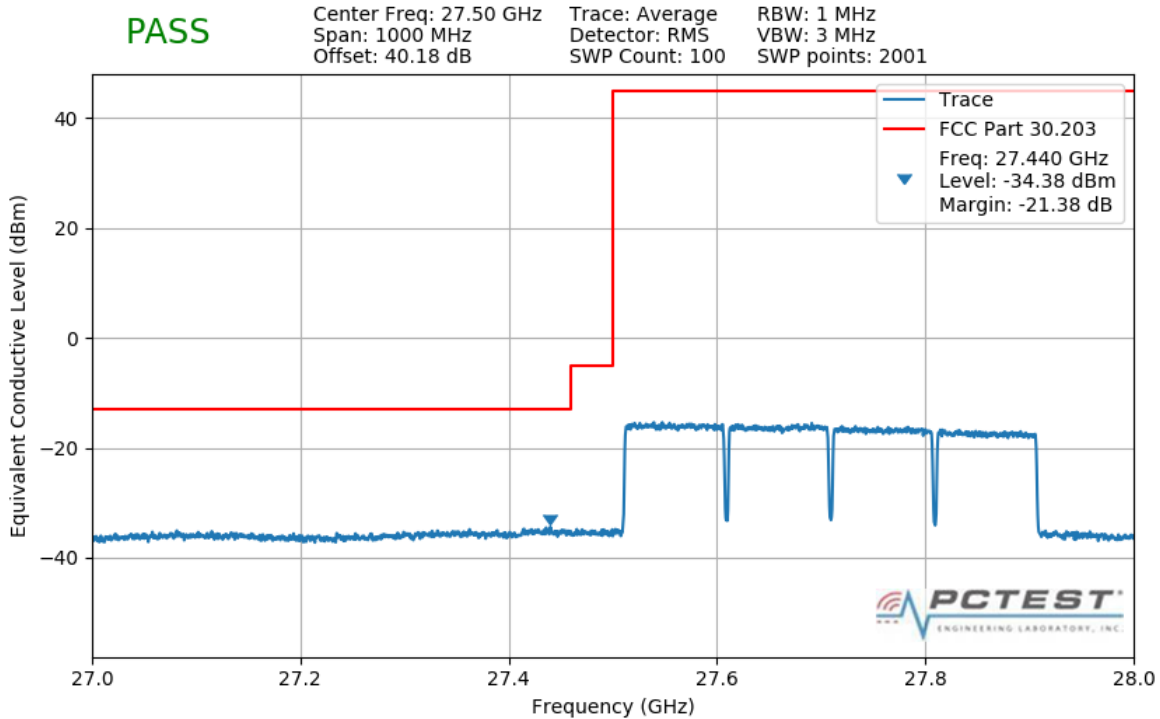


Plot 7-291. Lower Band Edge Plot (4CC 200MHz 16QAM 1 RB)

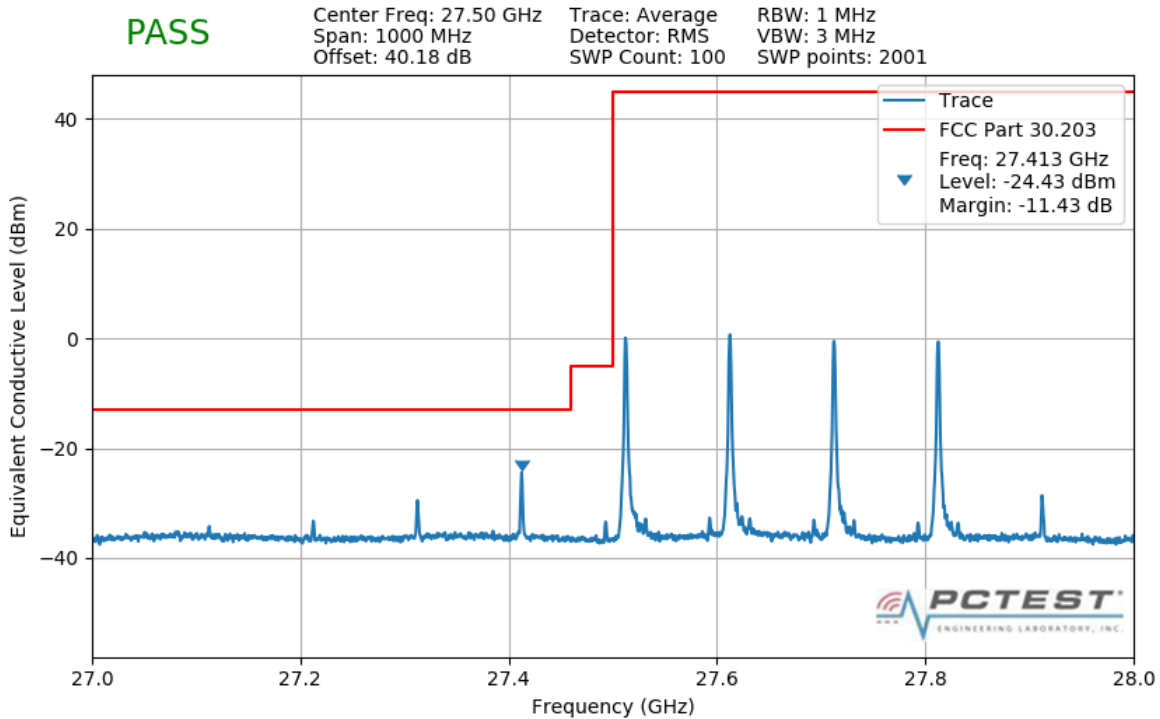


Plot 7-292. Lower Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 193 of 337

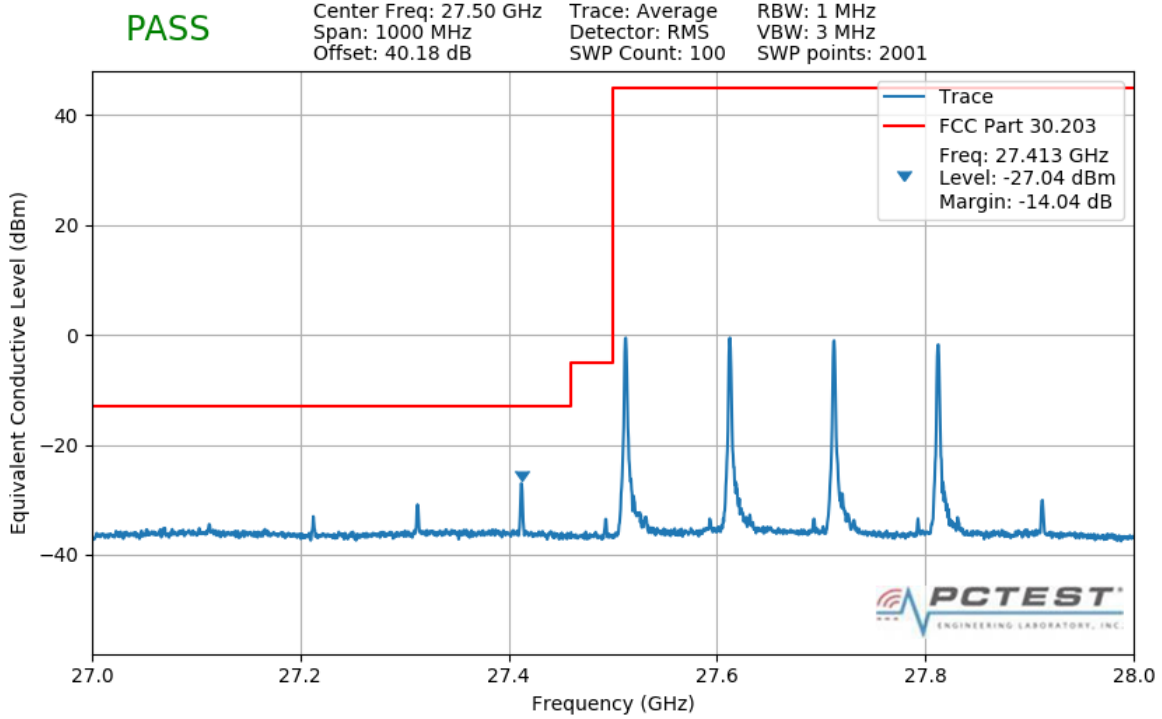


Plot 7-293. Lower Band Edge Plot (4CC 400MHz QPSK Full RB)

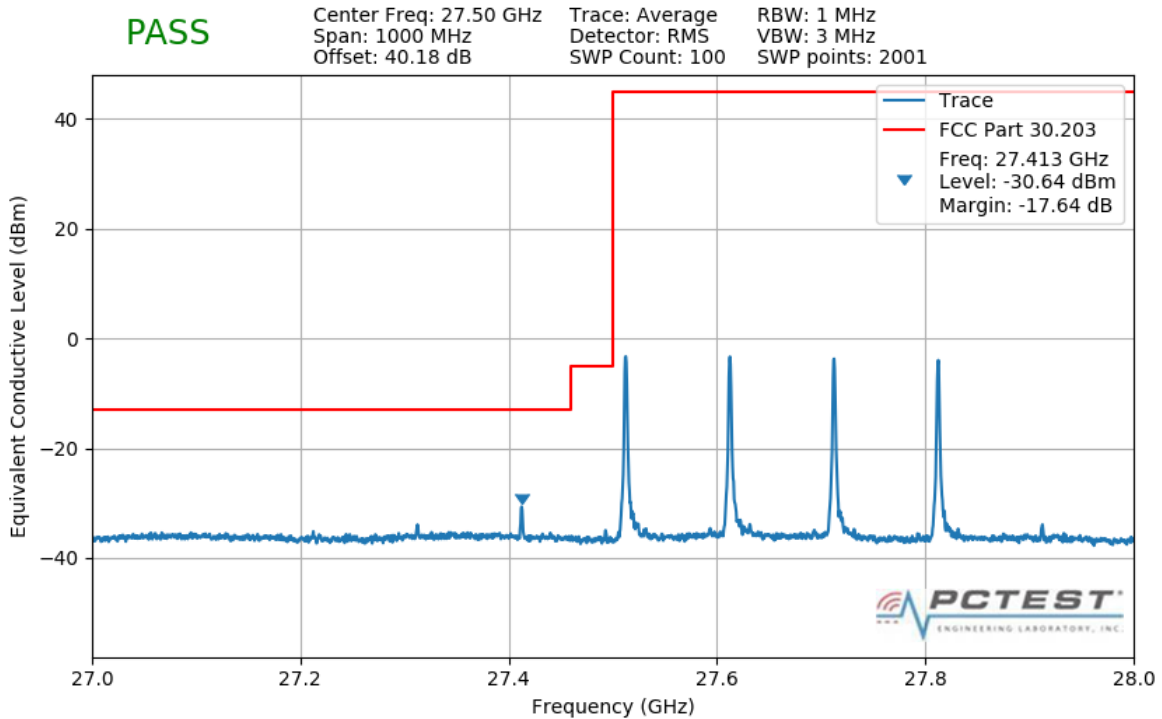


Plot 7-294. Lower Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 194 of 337

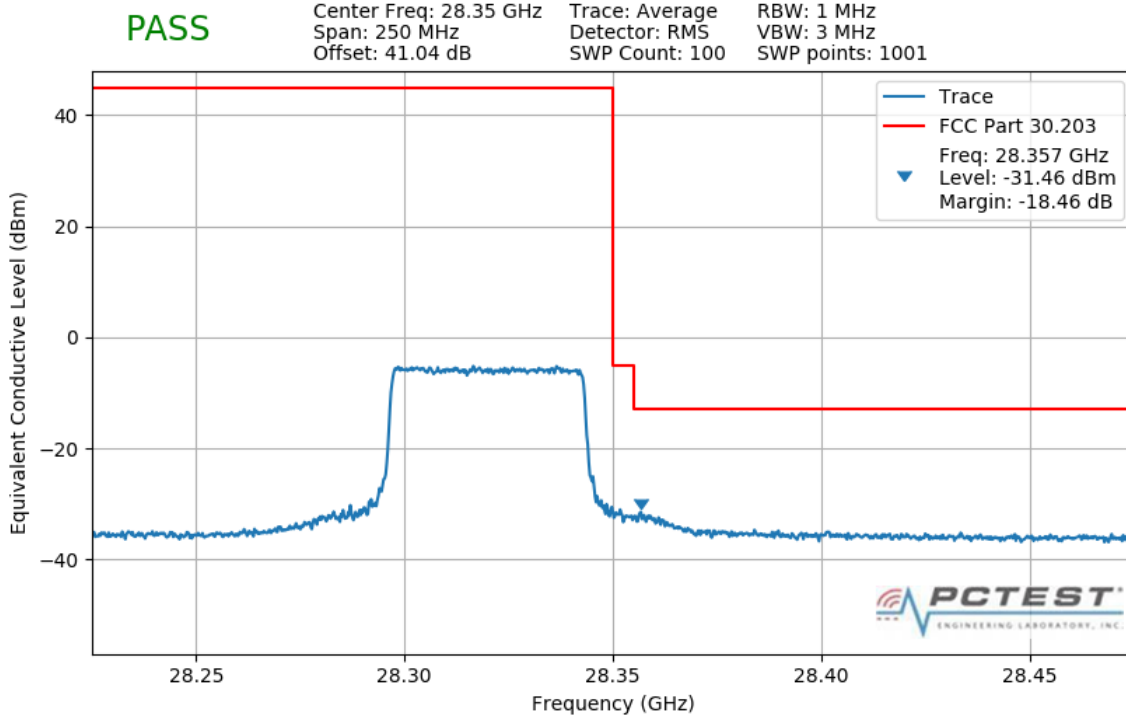


Plot 7-295. Lower Band Edge Plot (4CC 400MHz 16QAM 1 RB)

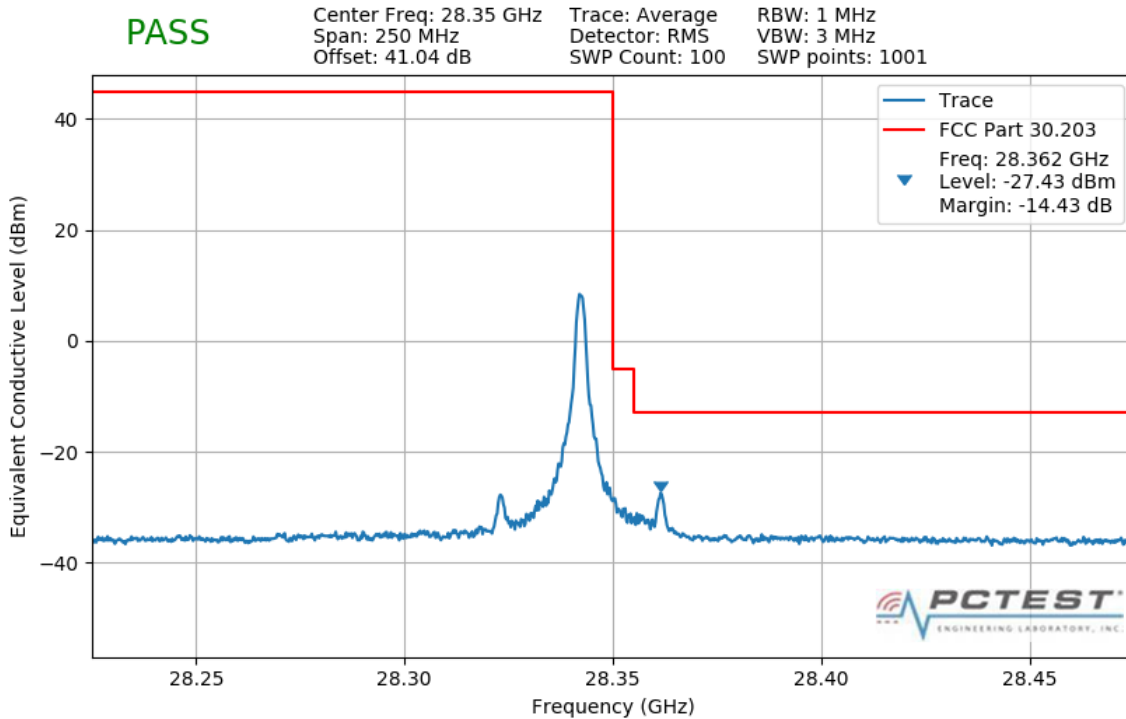


Plot 7-296. Lower Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 195 of 337

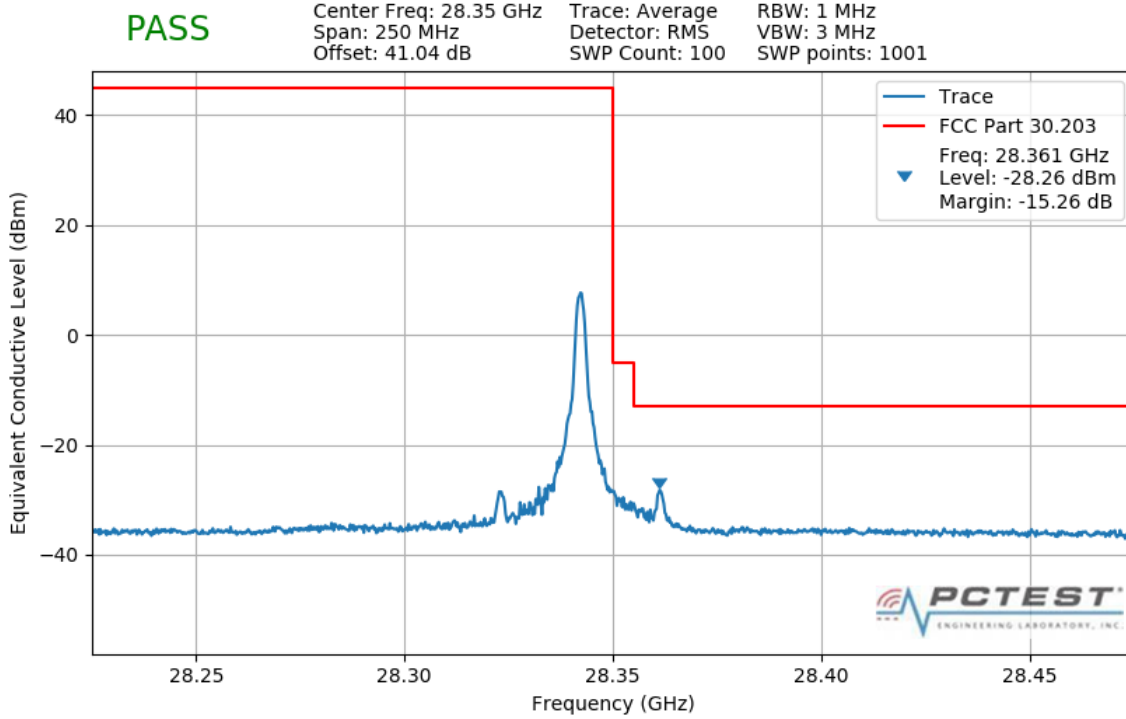


Plot 7-297. Upper Band Edge Plot (1CC 50MHz QPSK Full RB)

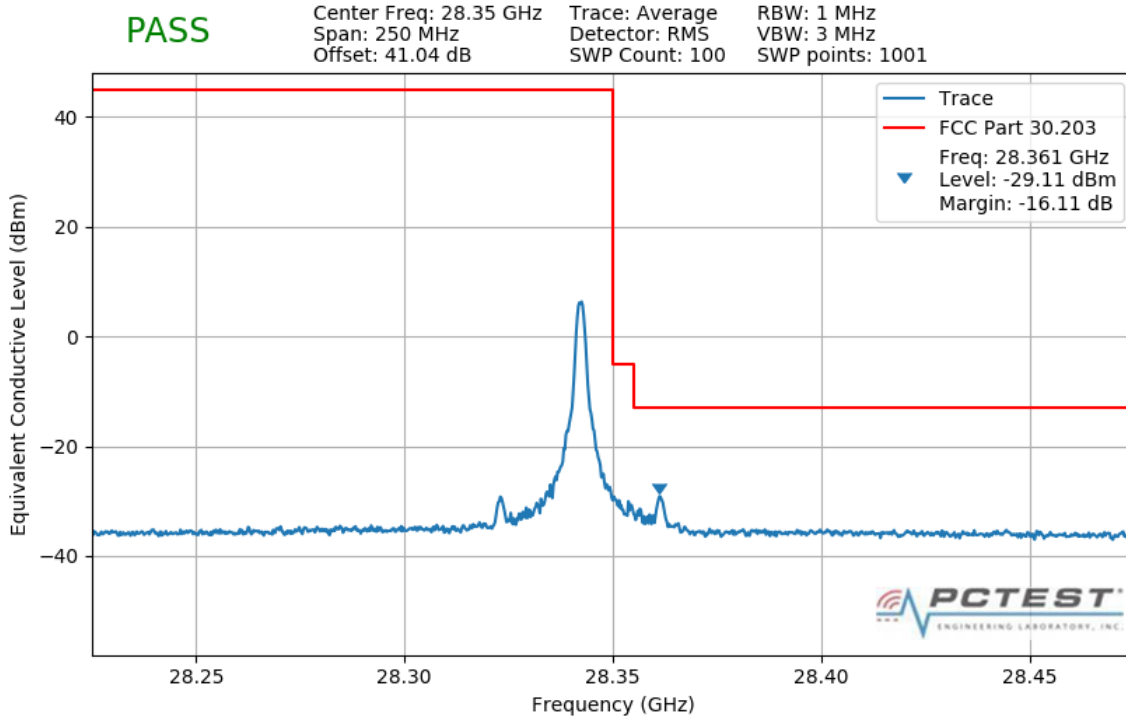


Plot 7-298. Upper Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 196 of 337

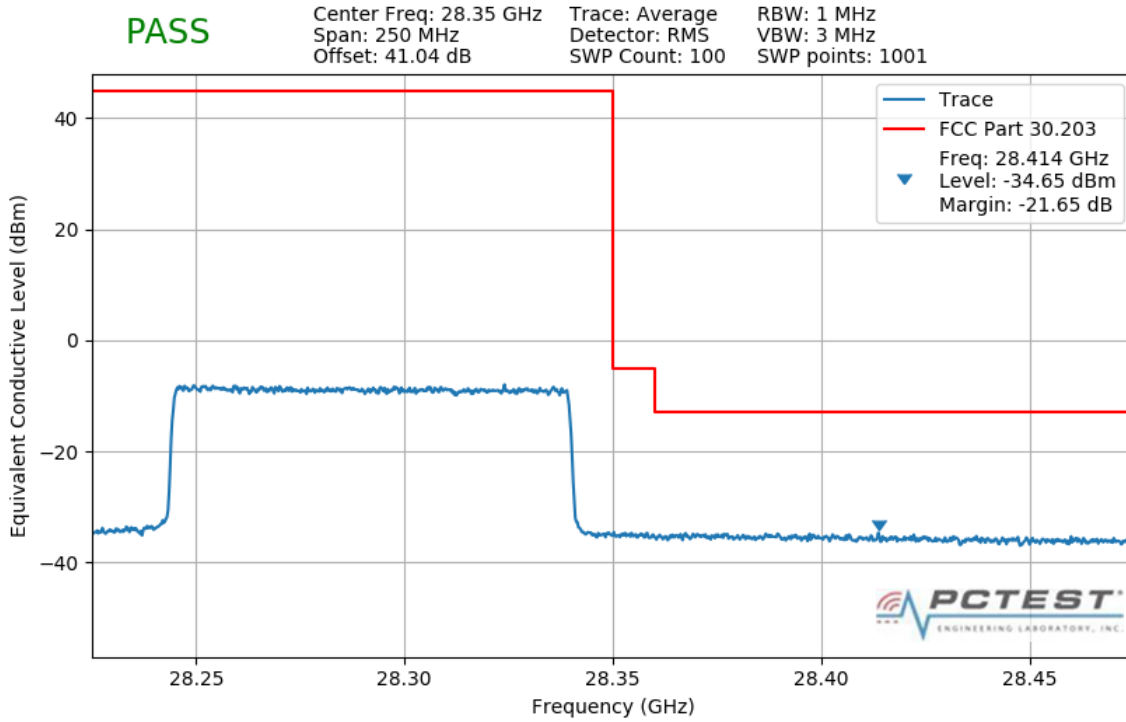


Plot 7-299. Upper Band Edge Plot (1CC 50MHz 16QAM 1 RB)

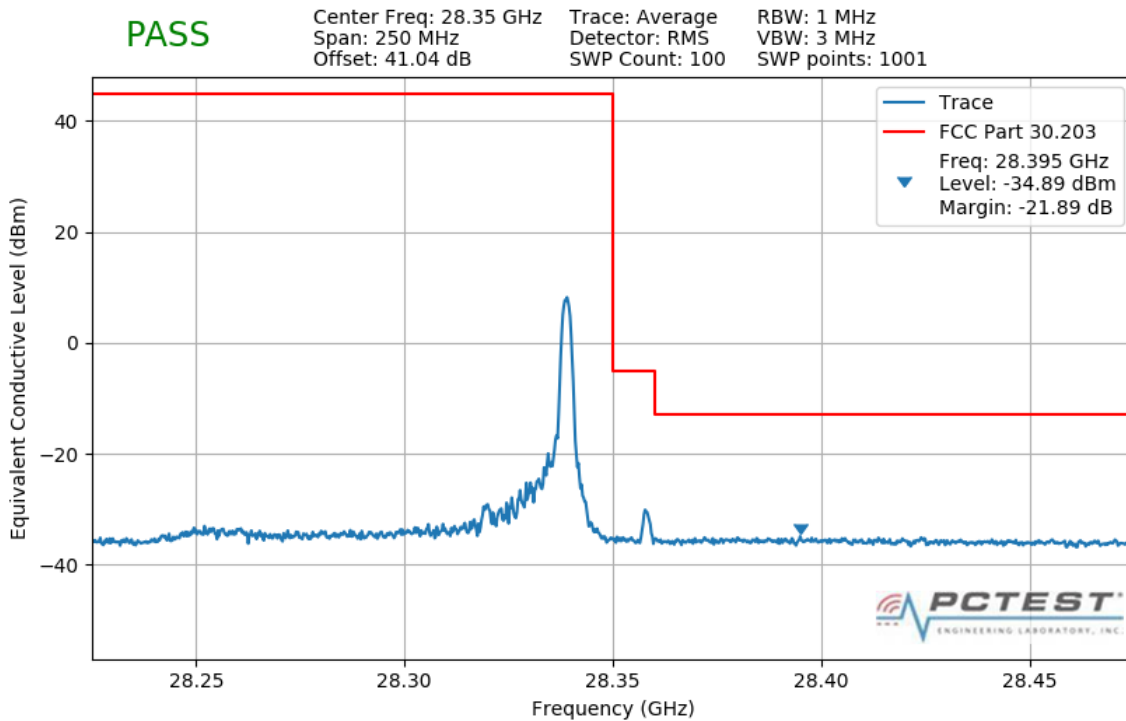


Plot 7-300. Upper Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 197 of 337

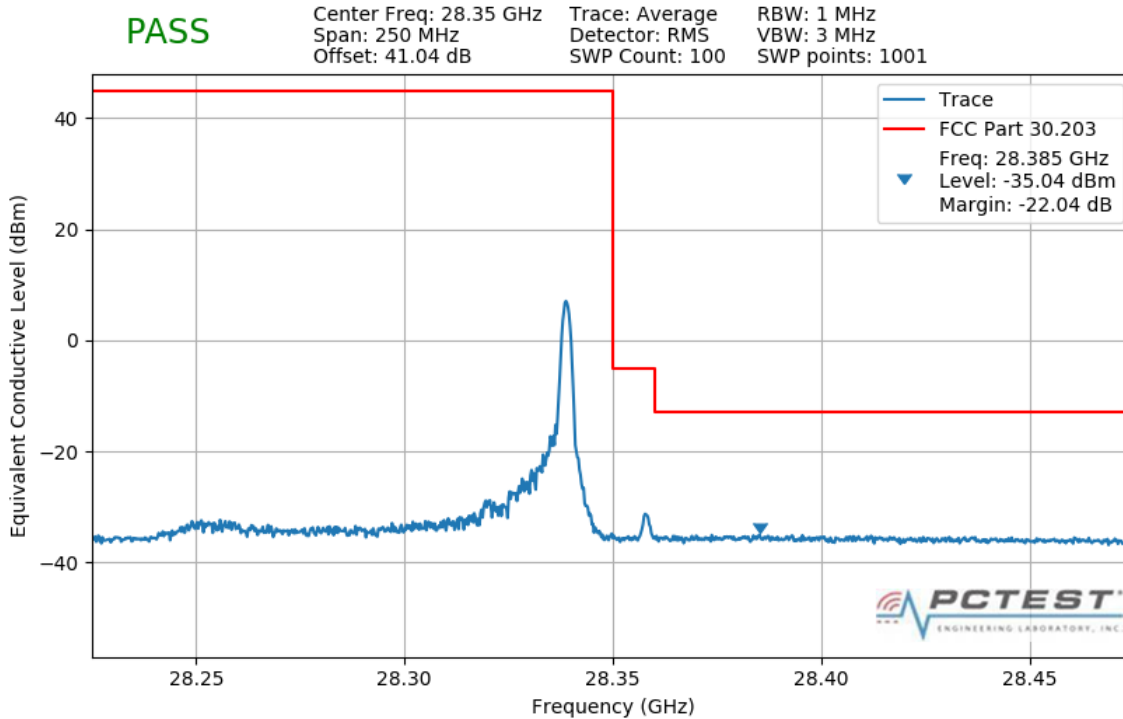


Plot 7-301. Upper Band Edge Plot (1CC 100MHz QPSK Full RB)

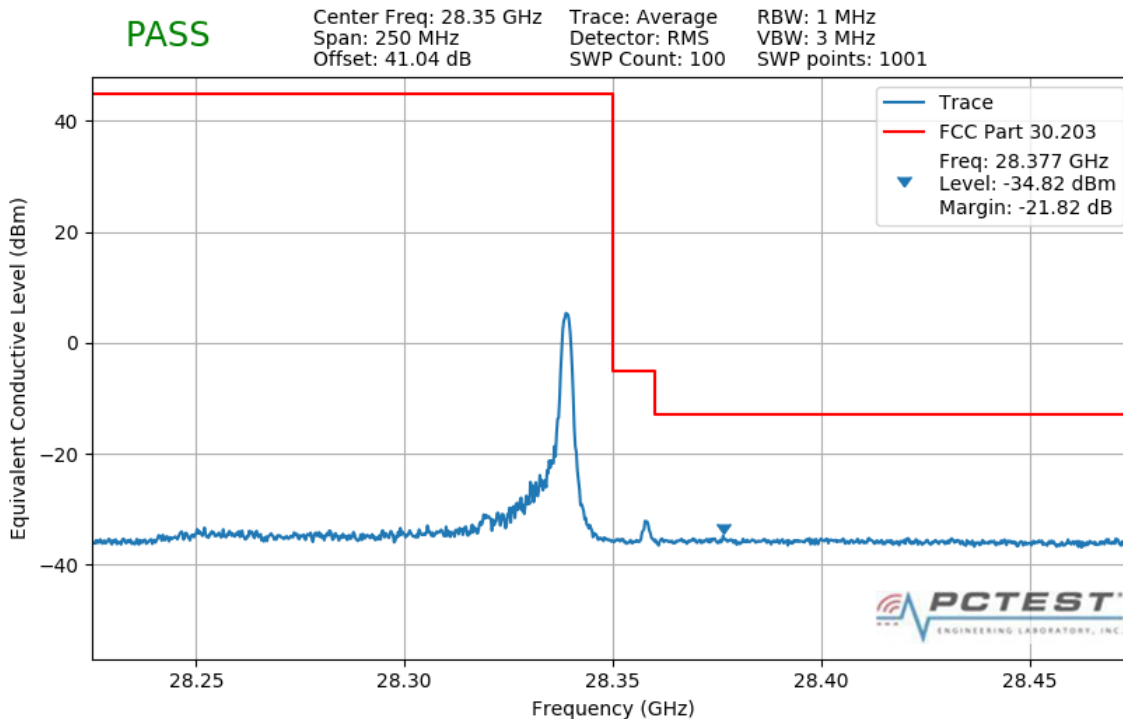


Plot 7-302. Upper Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 198 of 337

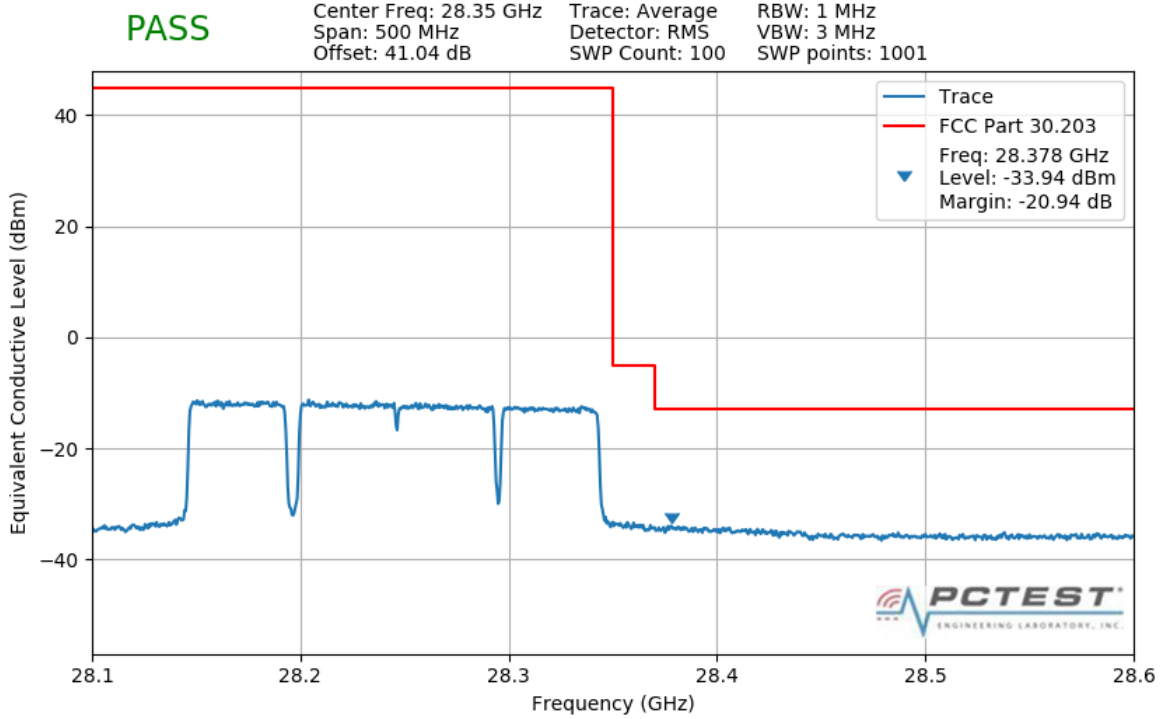


Plot 7-303. Upper Band Edge Plot (1CC 100MHz 16QAM 1 RB)

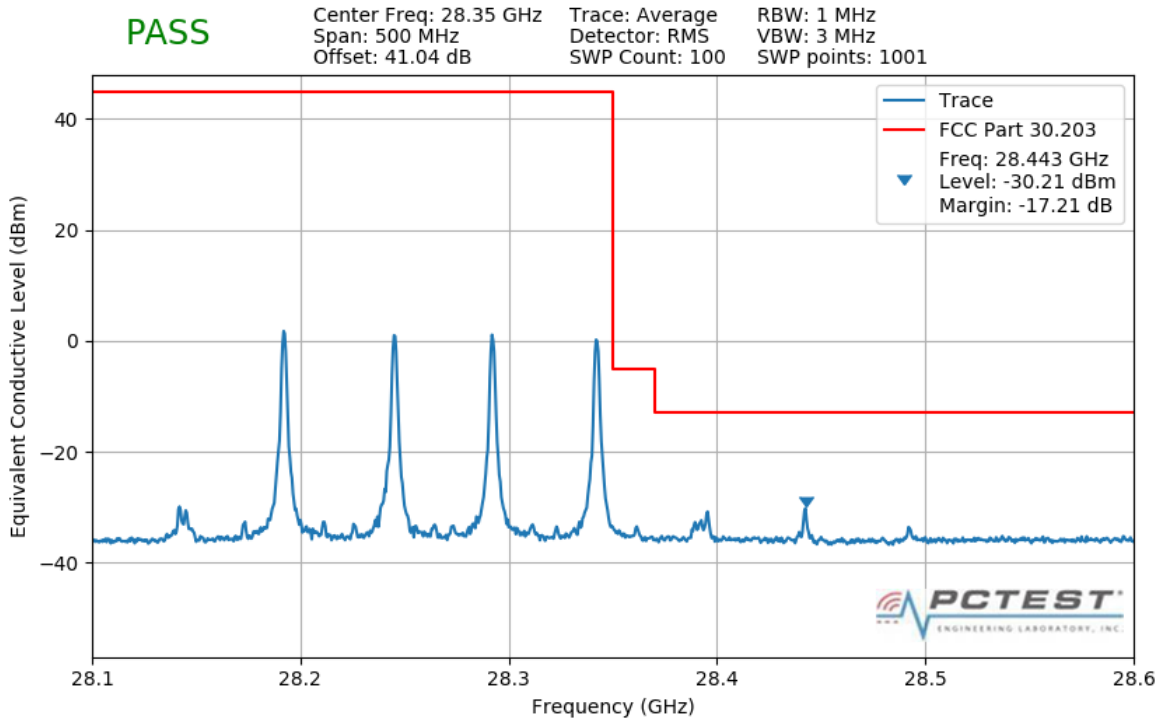


Plot 7-304. Upper Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 199 of 337

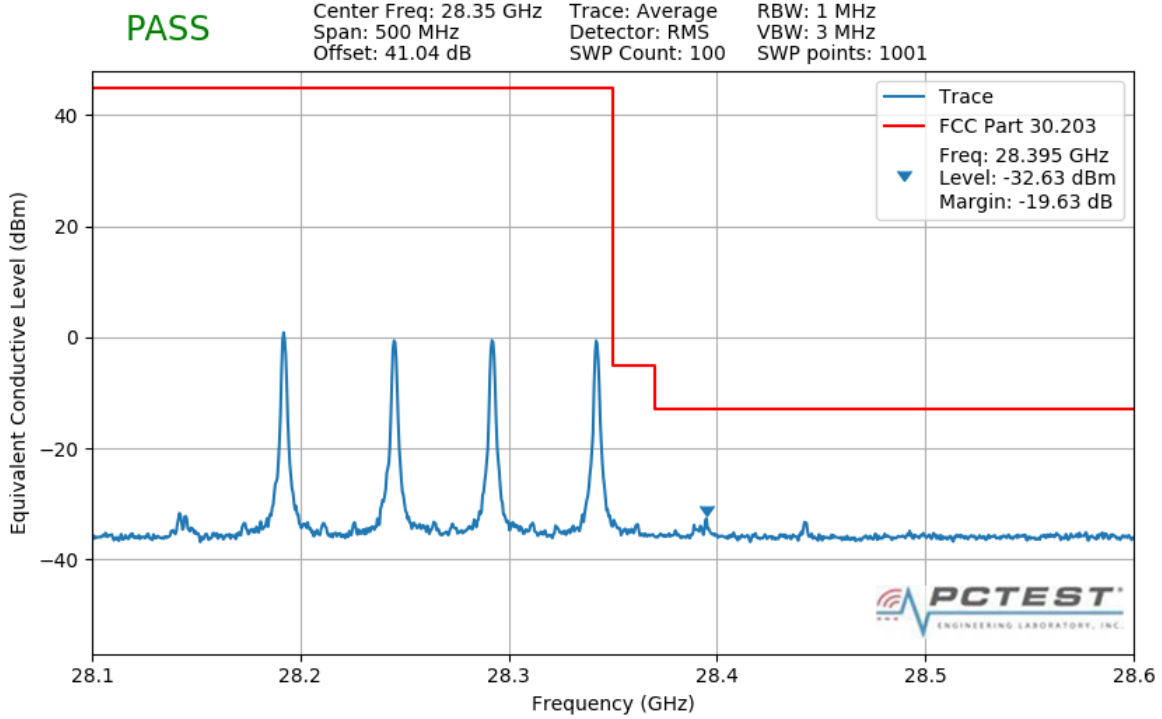


Plot 7-305. Upper Band Edge Plot (4CC 200MHz QPSK Full RB)

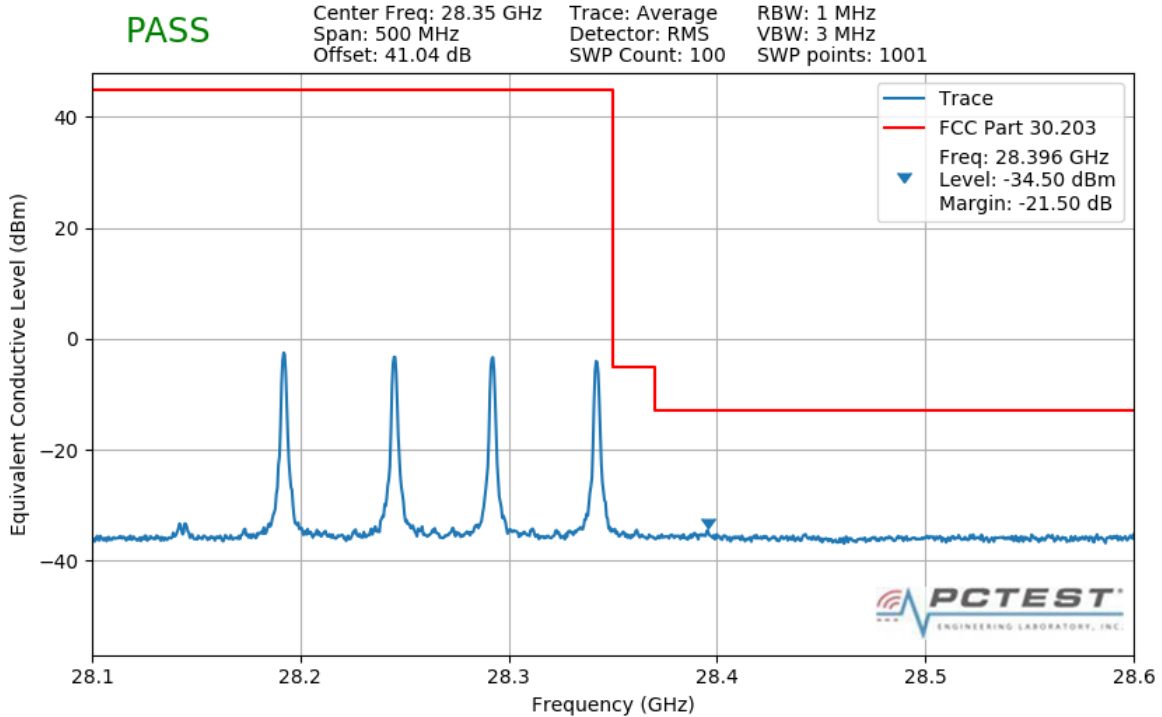


Plot 7-306. Upper Band Edge Plot (4CC 200MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 200 of 337

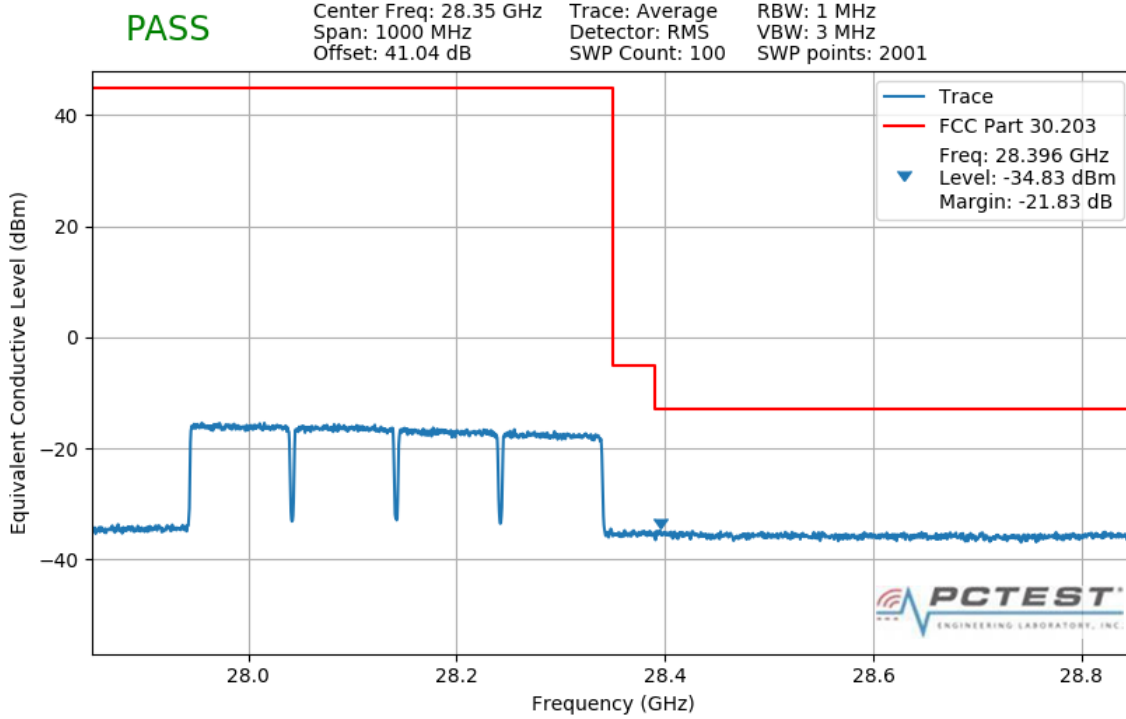


Plot 7-307. Upper Band Edge Plot (4CC 200MHz 16QAM 1 RB)

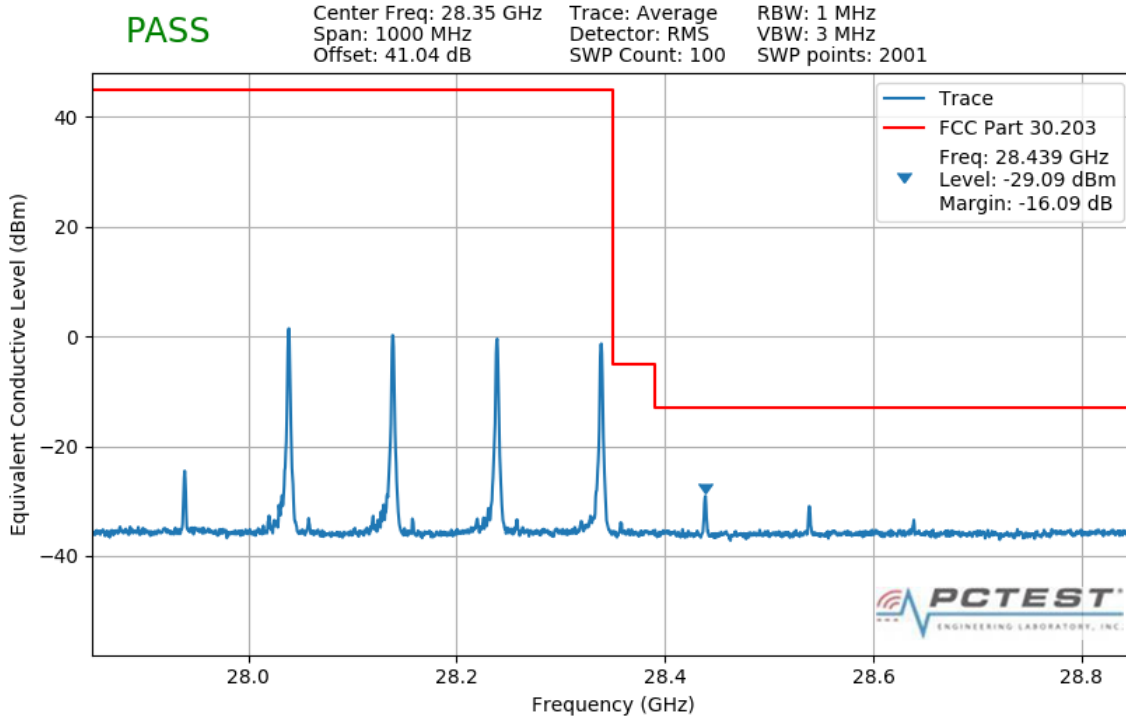


Plot 7-308. Upper Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 201 of 337

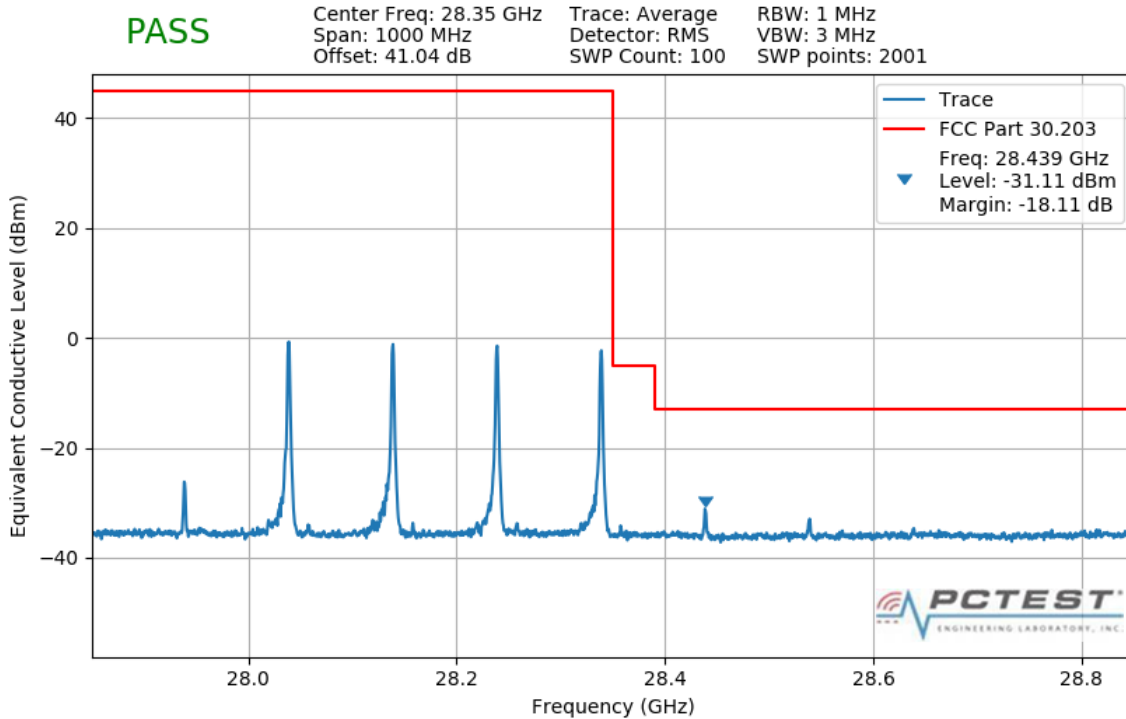


Plot 7-309. Upper Band Edge Plot (4CC 400MHz QPSK Full RB)

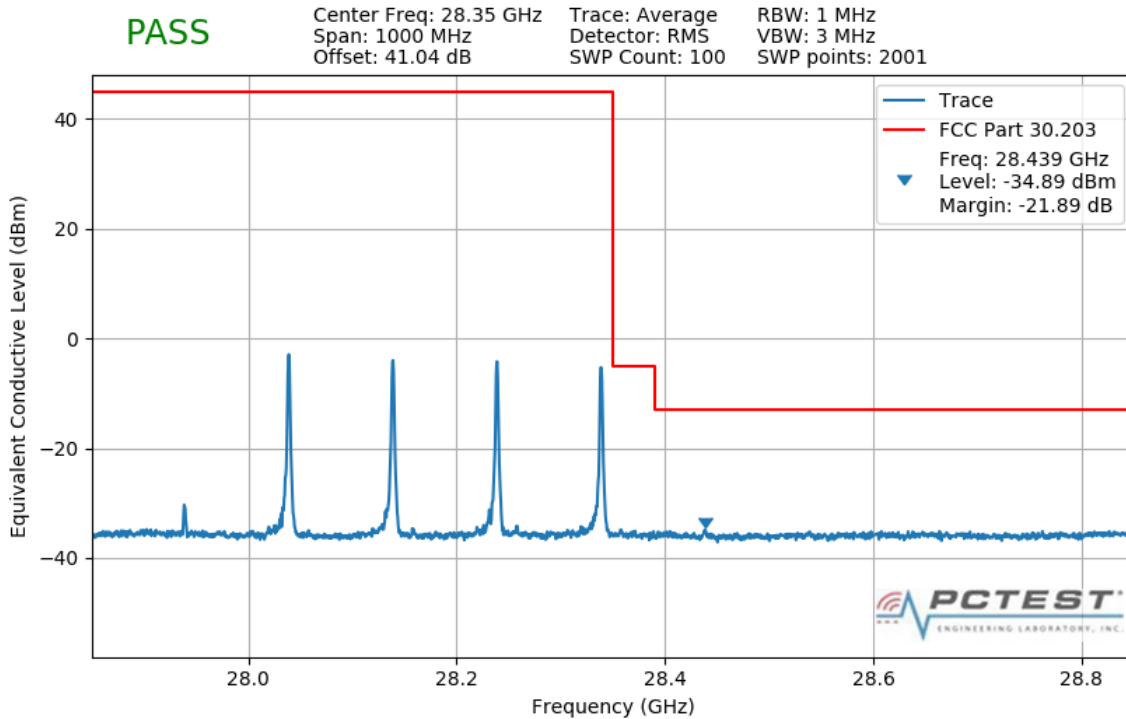


Plot 7-310. Upper Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset	Page 202 of 337



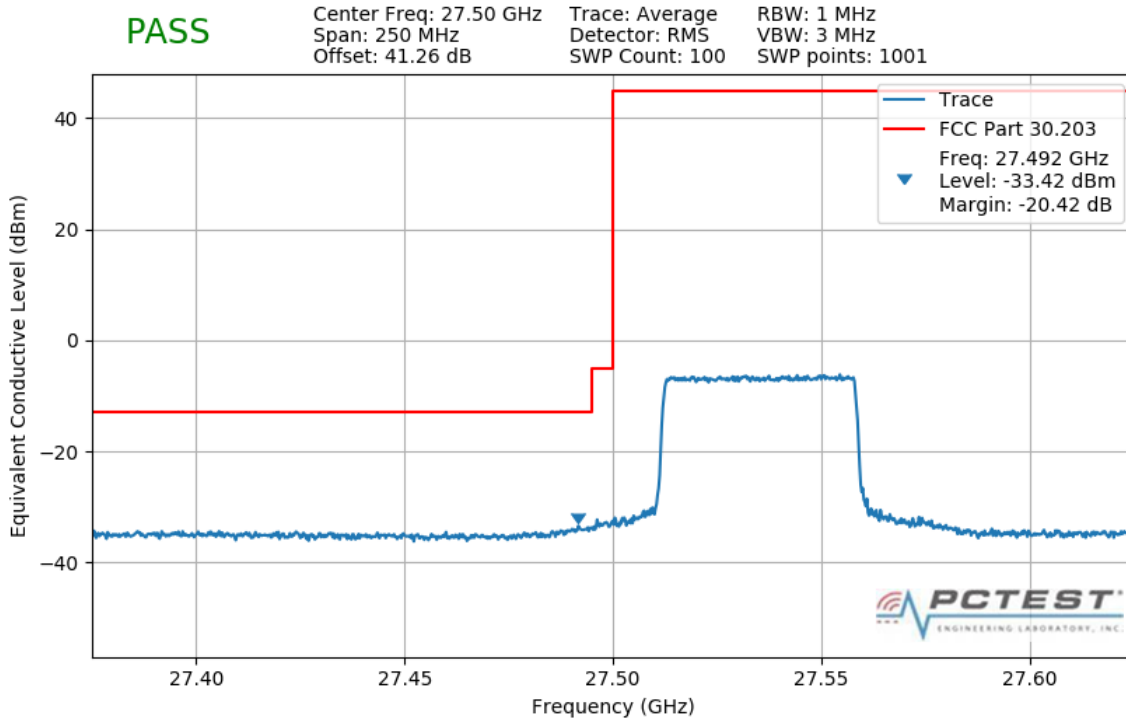
Plot 7-311. Upper Band Edge Plot (4CC 400MHz 16QAM 1 RB)



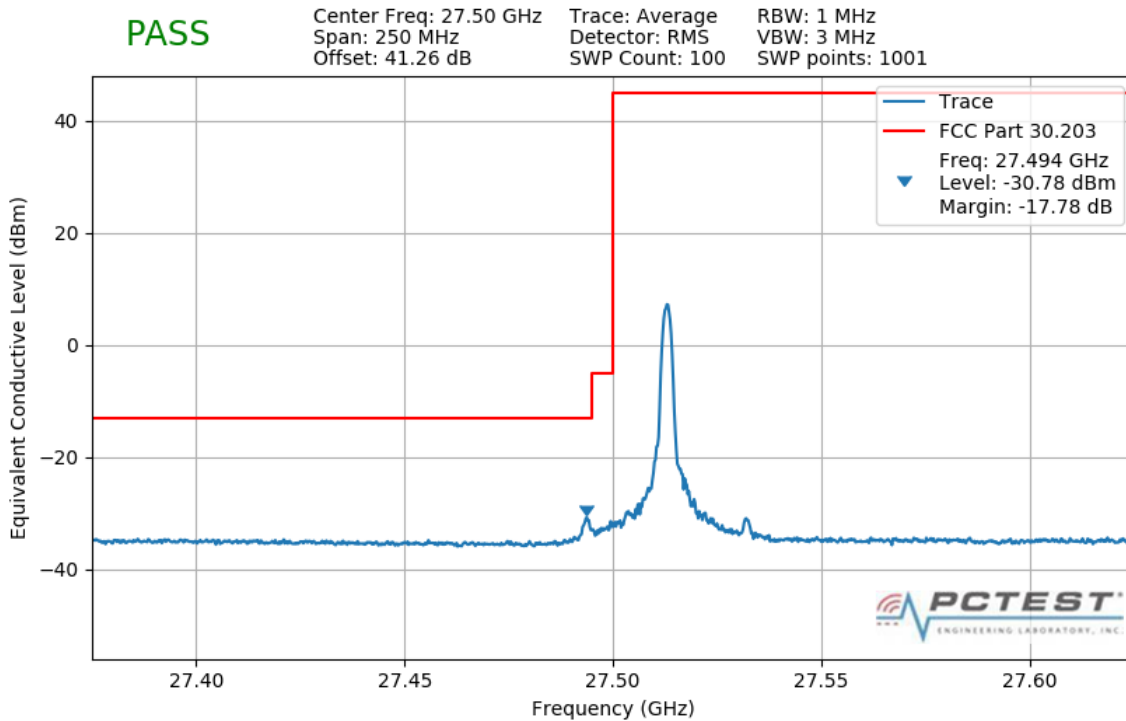
Plot 7-312. Upper Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 203 of 337

V Beam

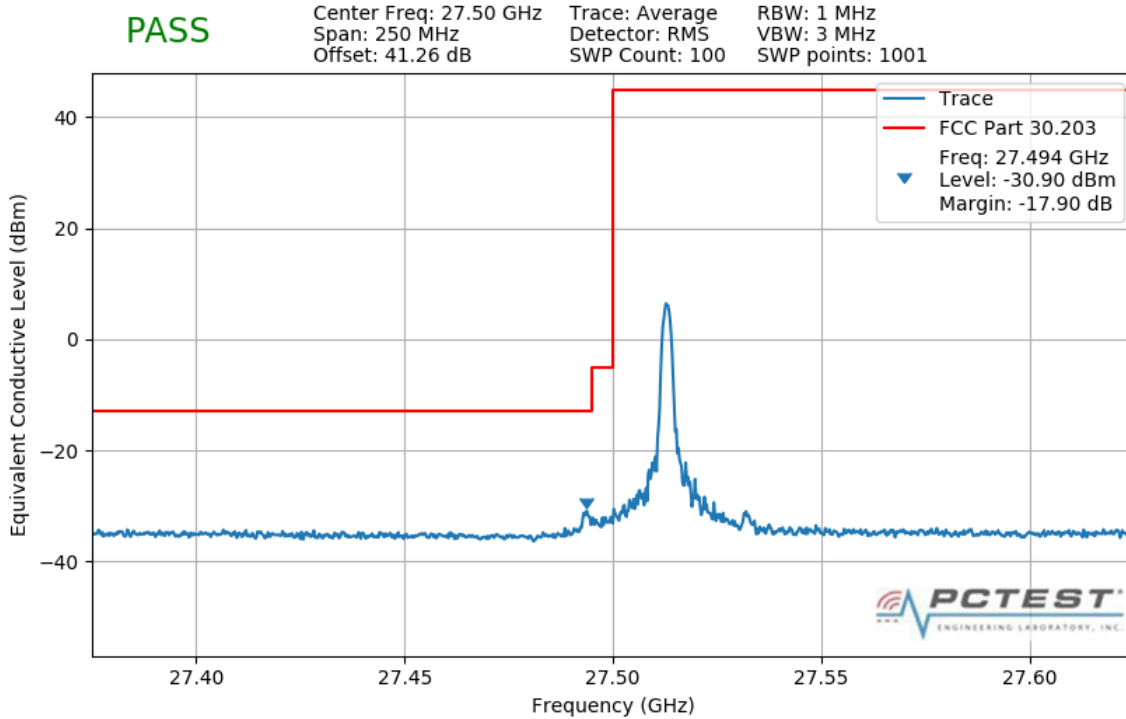


Plot 7-313. Lower Band Edge Plot (1CC 50MHz QPSK Full RB)

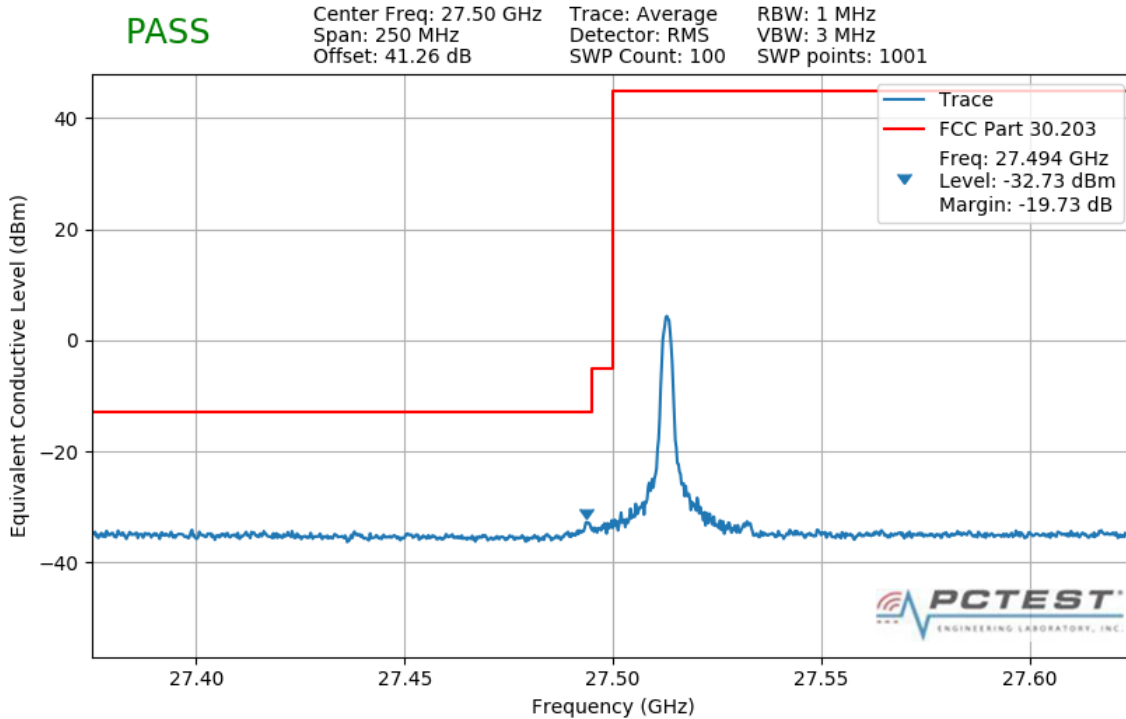


Plot 7-314. Lower Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 204 of 337

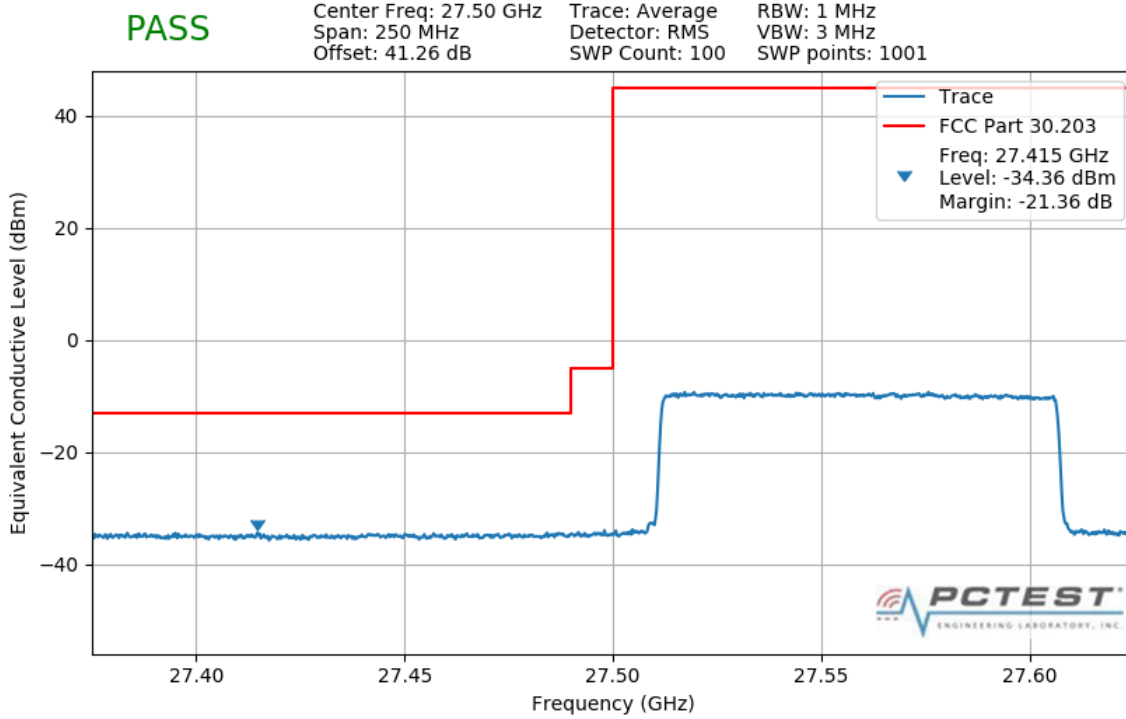


Plot 7-315. Lower Band Edge Plot (1CC 50MHz 16QAM 1 RB)

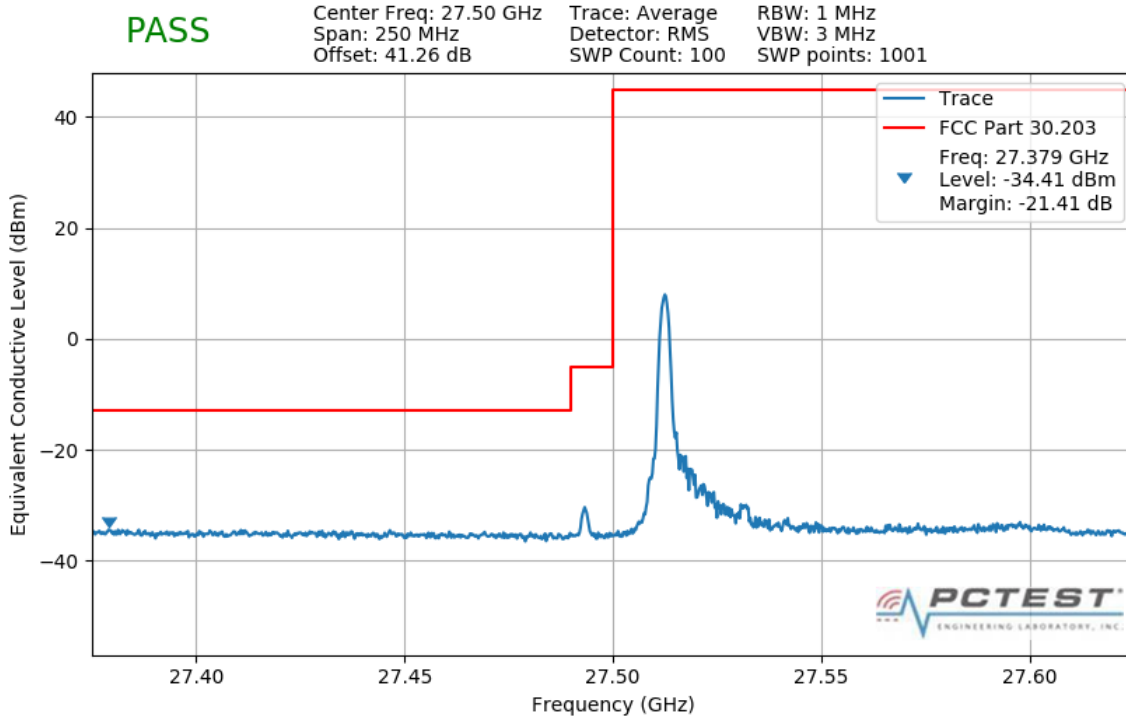


Plot 7-316. Lower Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 205 of 337

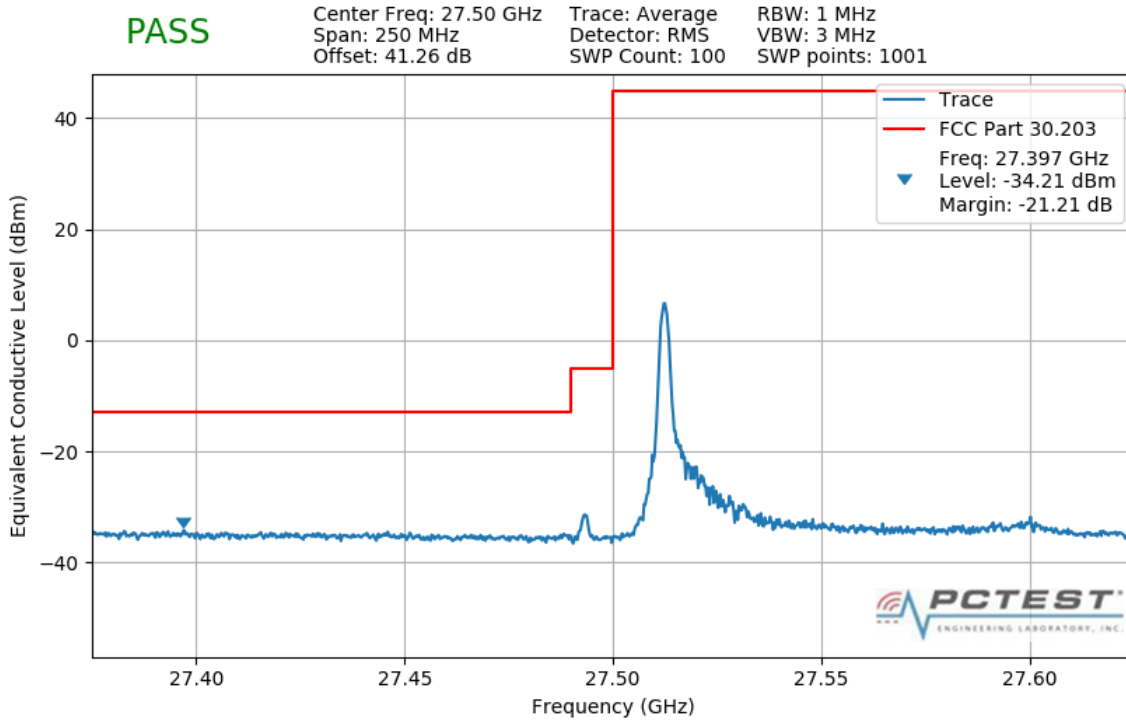


Plot 7-317. Lower Band Edge Plot (1CC 100MHz QPSK Full RB)

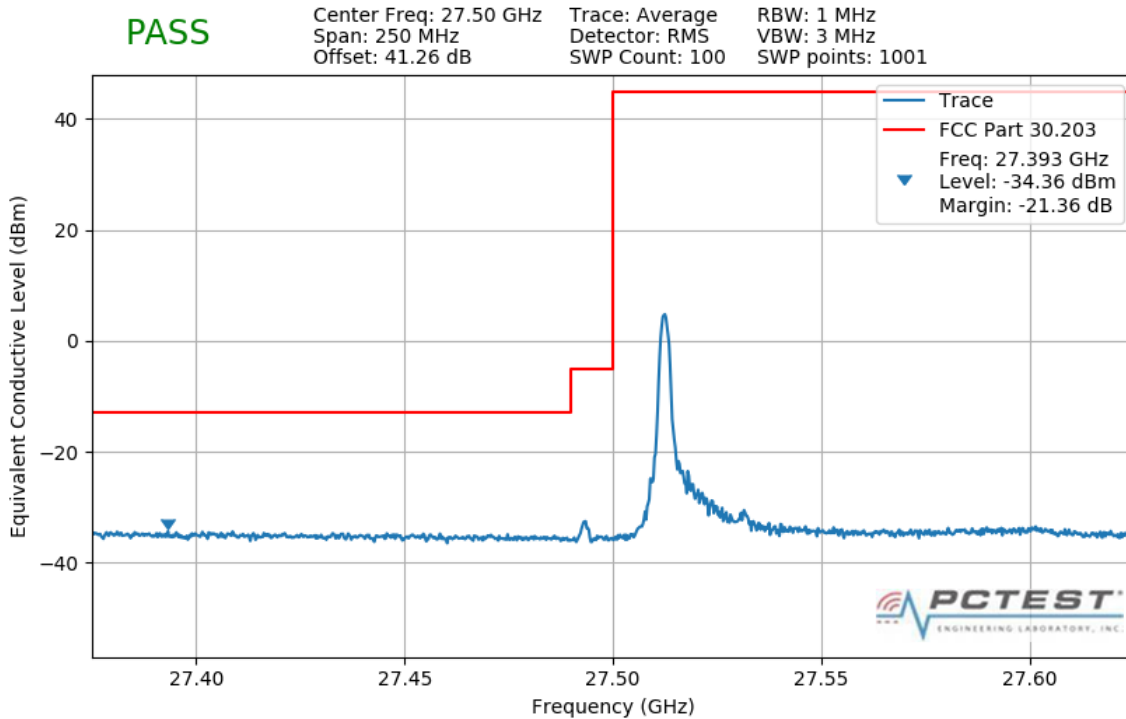


Plot 7-318. Lower Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset			Page 206 of 337

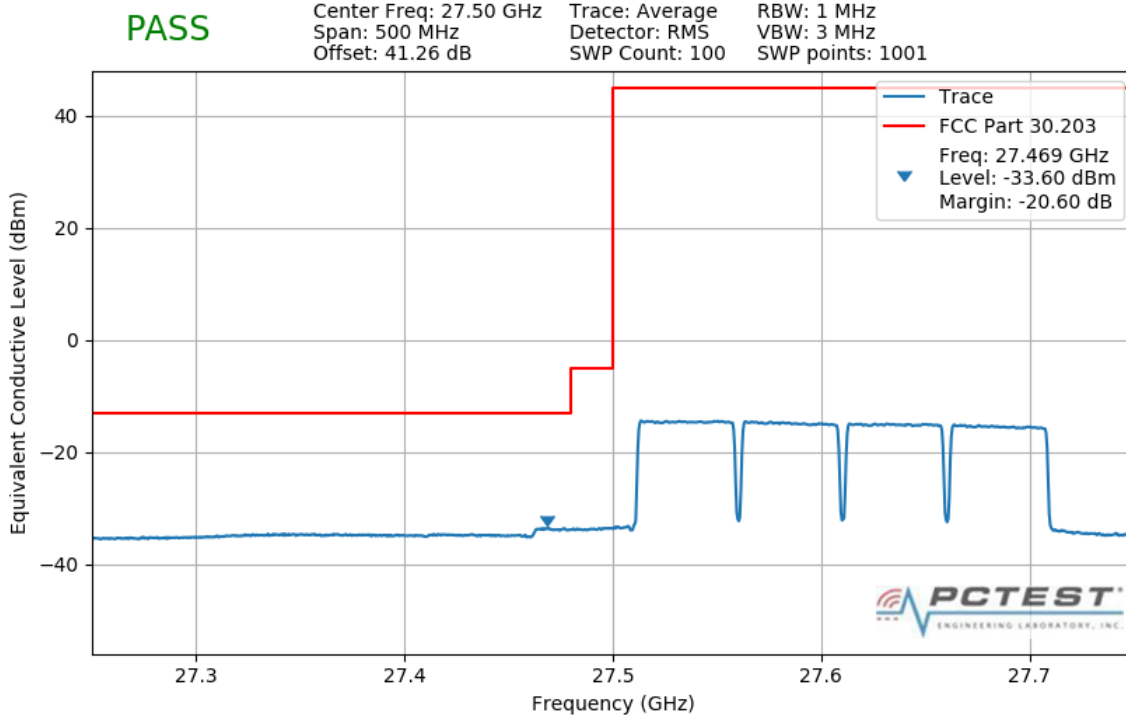


Plot 7-319. Lower Band Edge Plot (1CC 100MHz 16QAM 1 RB)

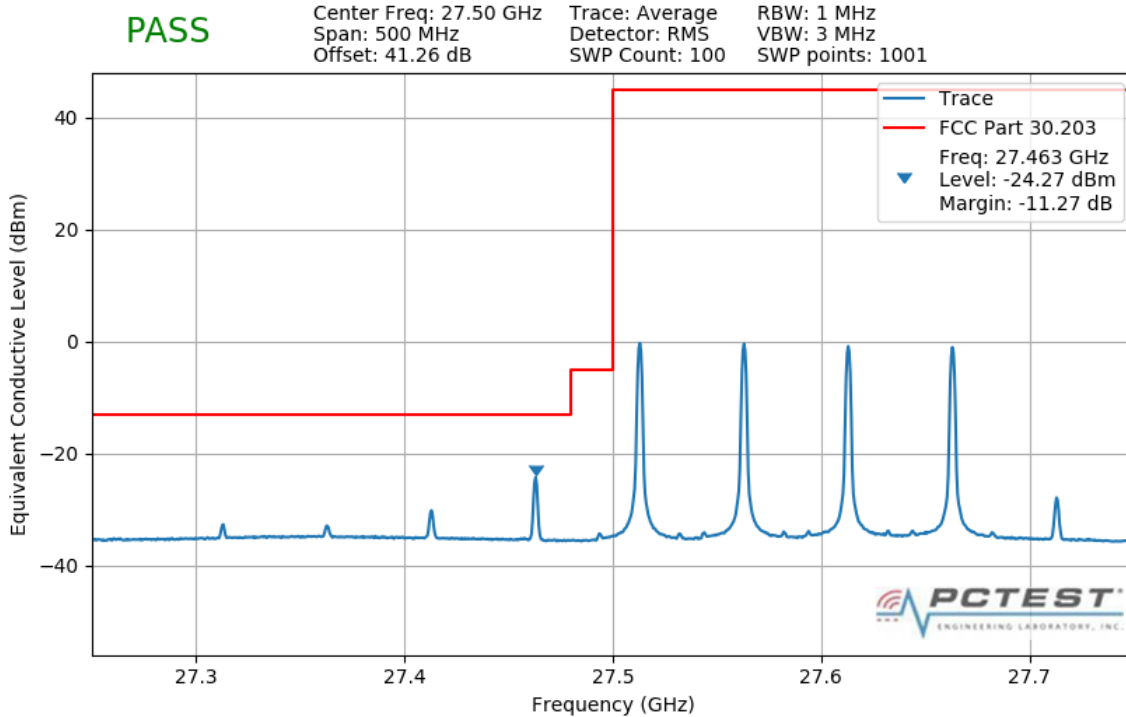


Plot 7-320. Lower Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 207 of 337

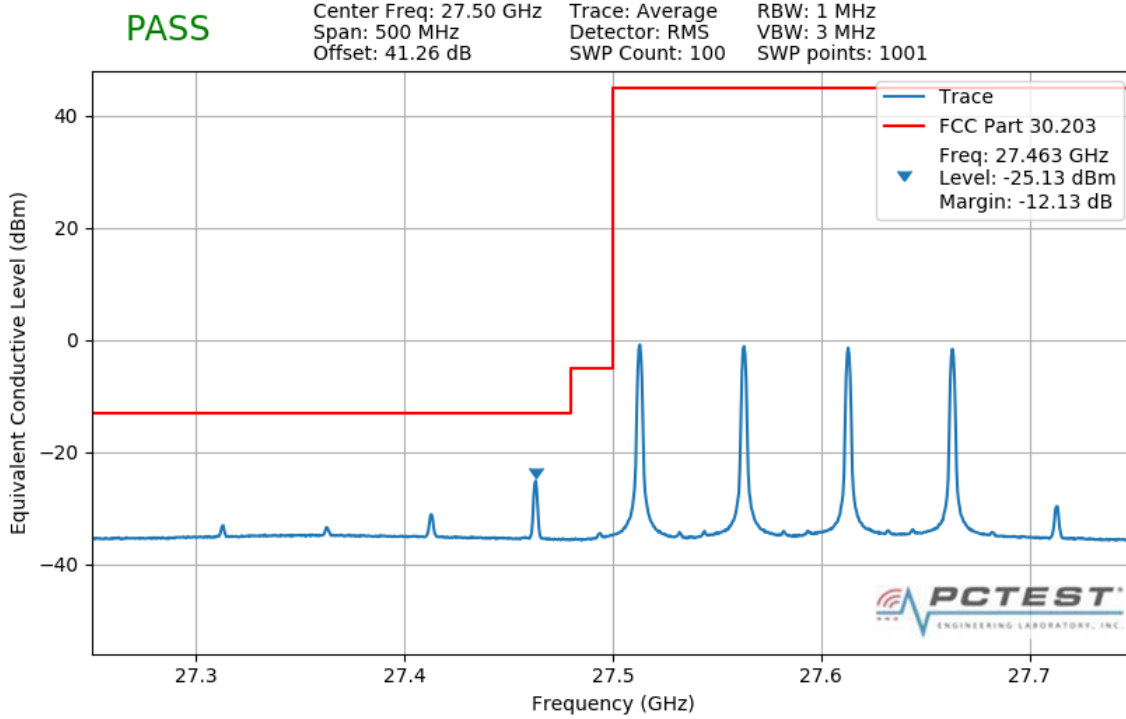


Plot 7-321. Lower Band Edge Plot (4CC 200MHz QPSK Full RB)

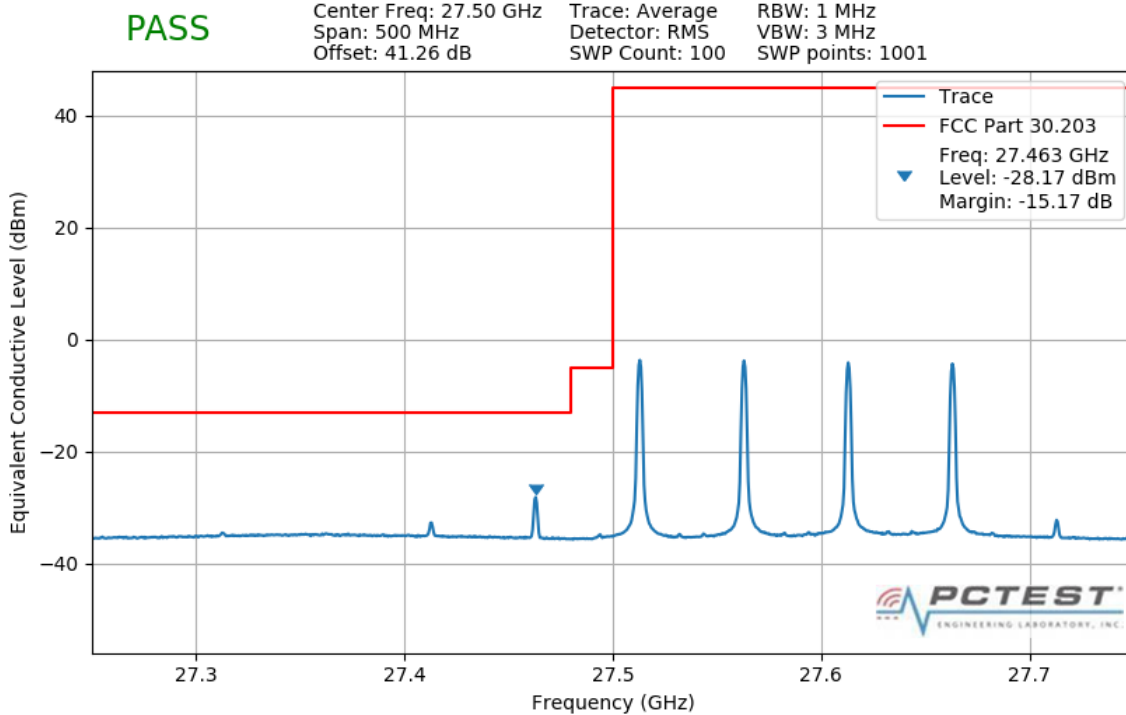


Plot 7-322. Lower Band Edge Plot (4CC 200MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 208 of 337

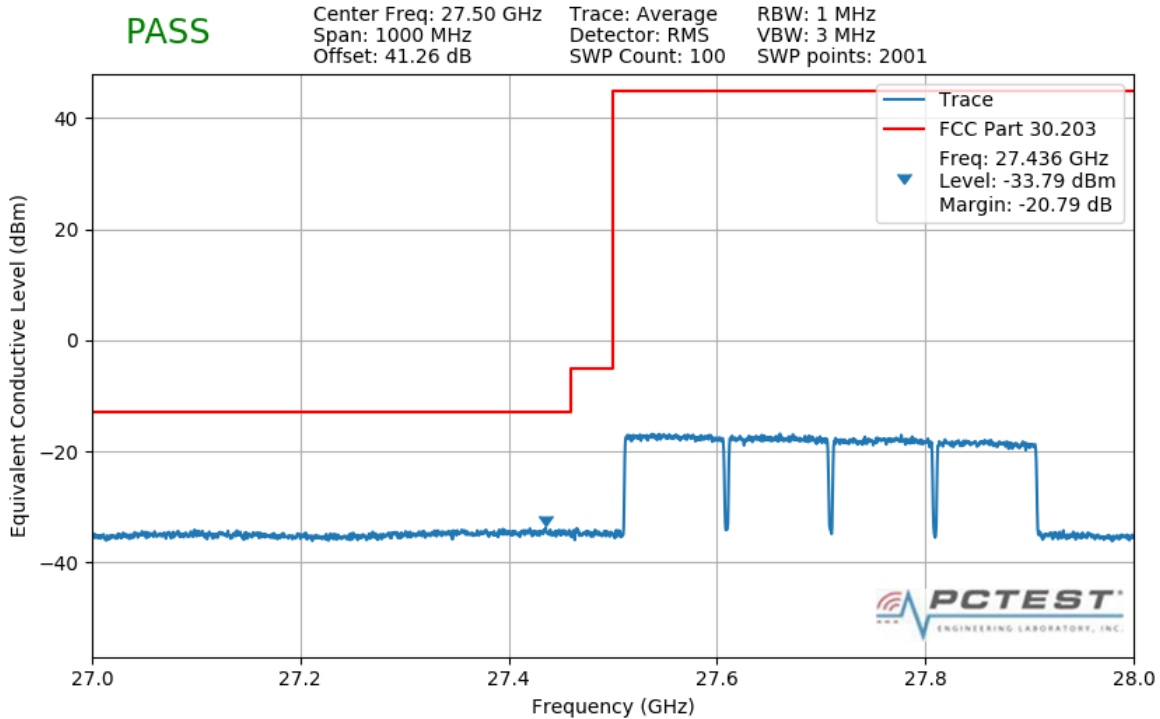


Plot 7-323. Lower Band Edge Plot (4CC 200MHz 16QAM 1 RB)

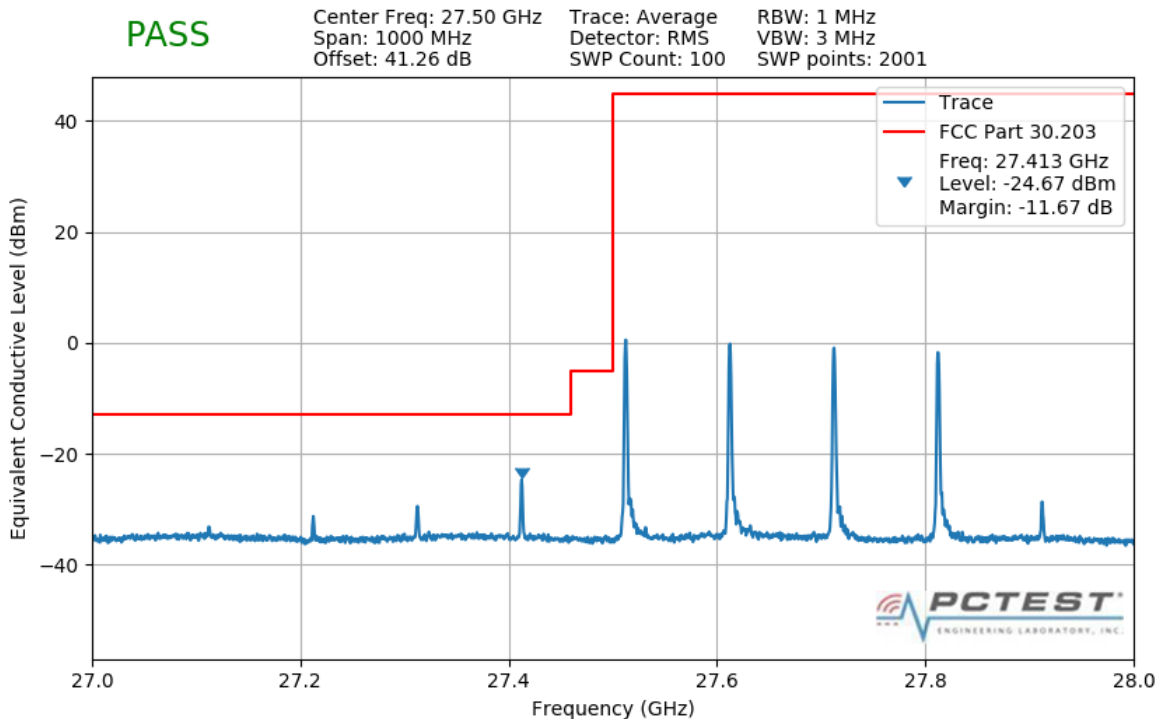


Plot 7-324. Lower Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 209 of 337

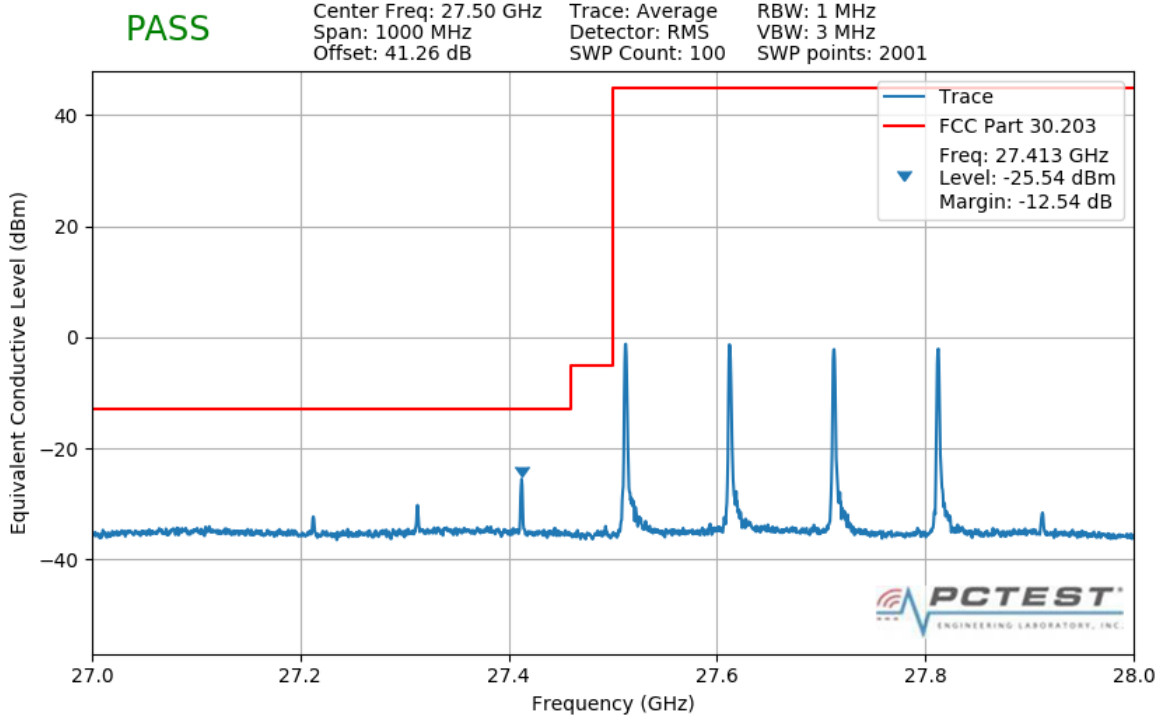


Plot 7-325. Lower Band Edge Plot (4CC 400MHz QPSK Full RB)

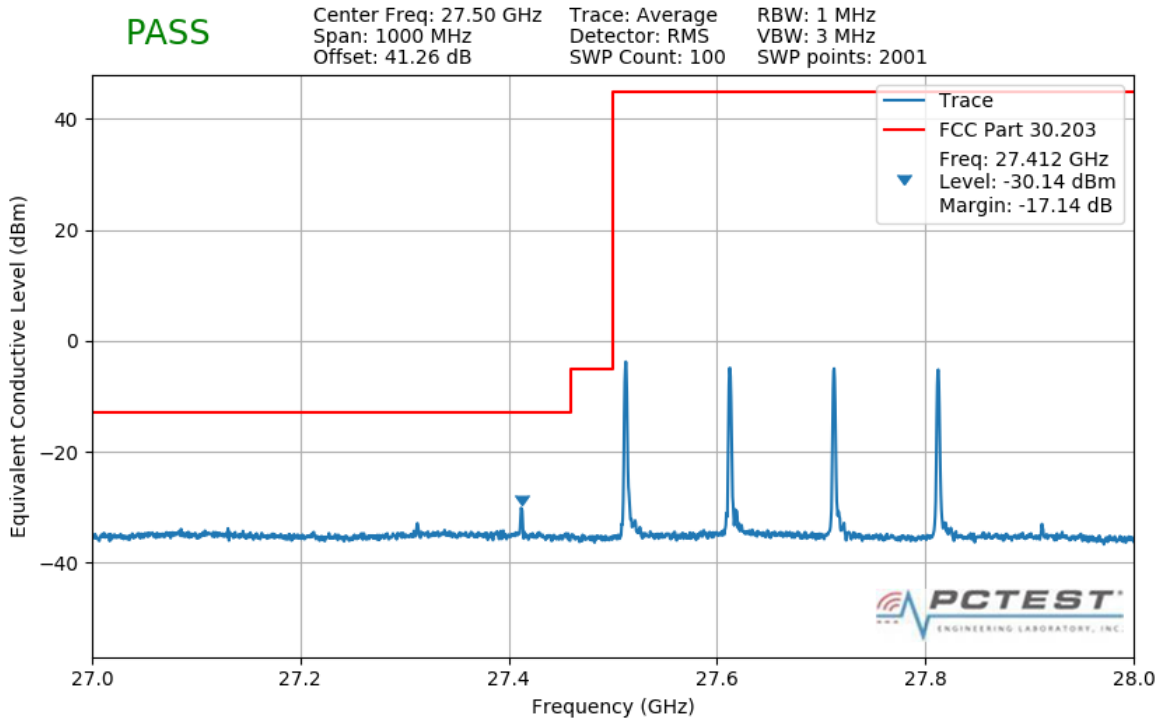


Plot 7-326. Lower Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 210 of 337

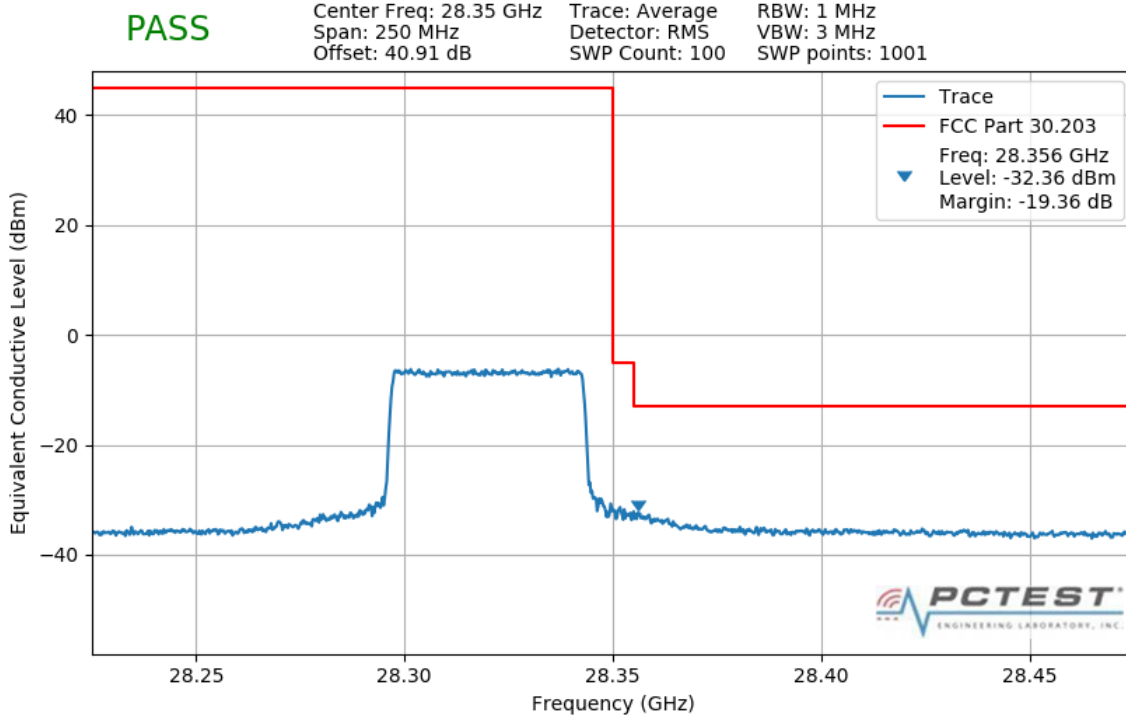


Plot 7-327. Lower Band Edge Plot (4CC 400MHz 16QAM 1 RB)

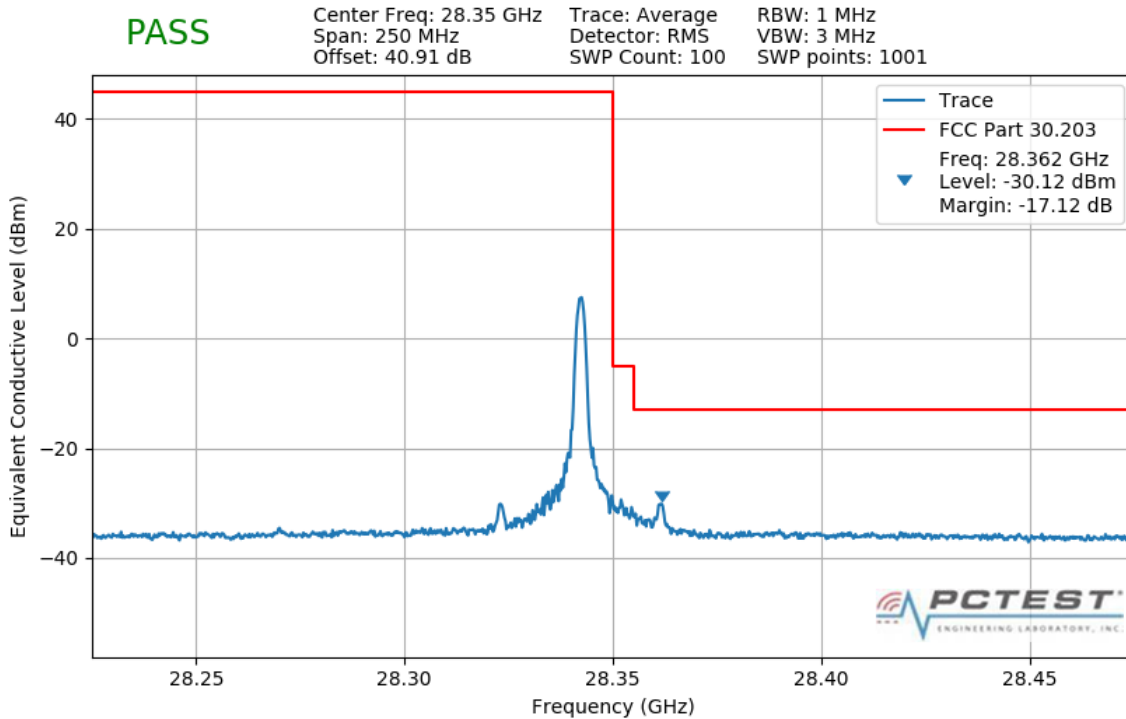


Plot 7-328. Lower Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 211 of 337

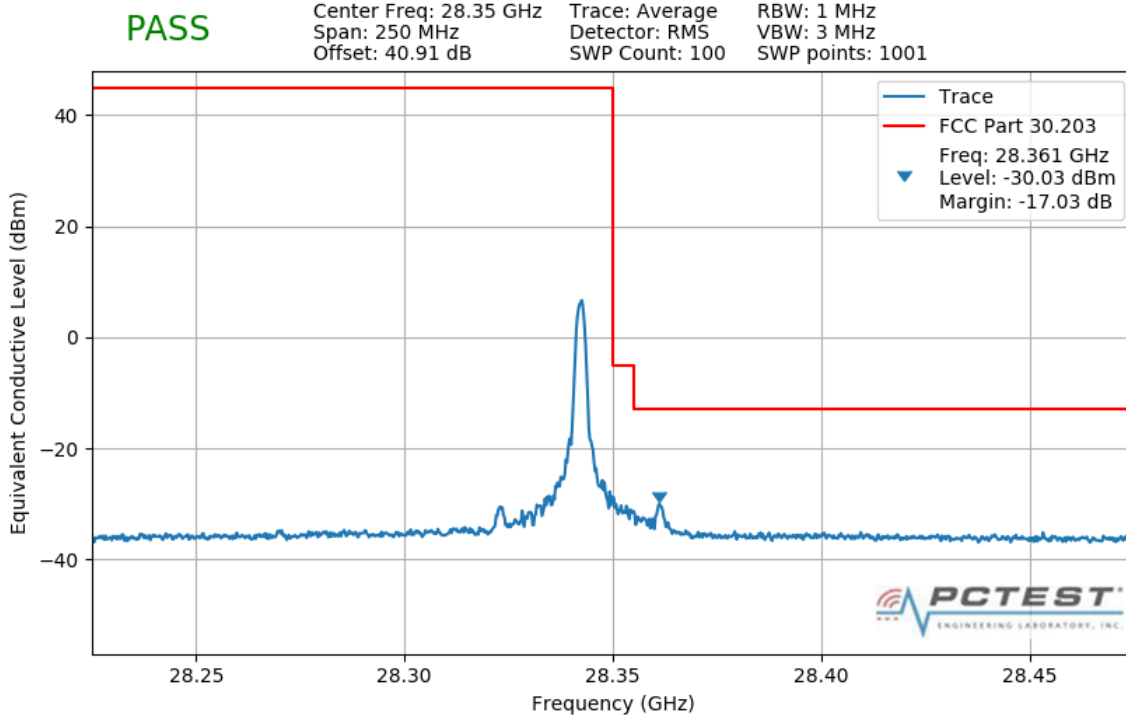


Plot 7-329. Upper Band Edge Plot (1CC 50MHz QPSK Full RB)

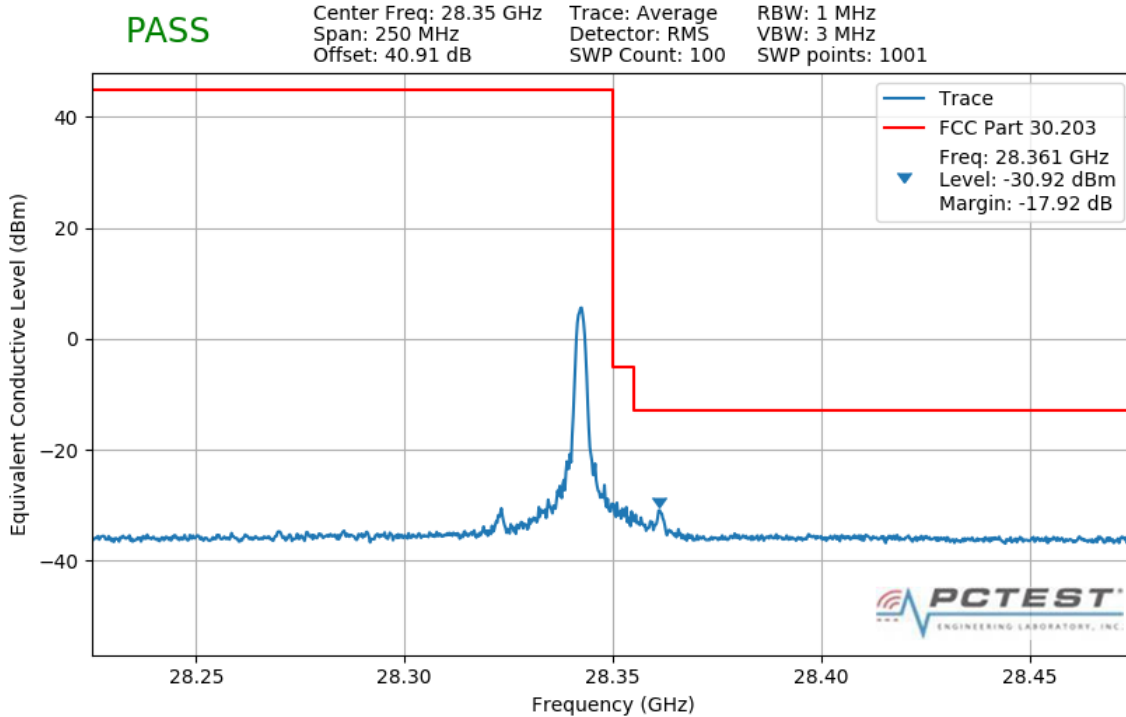


Plot 7-330. Upper Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 212 of 337

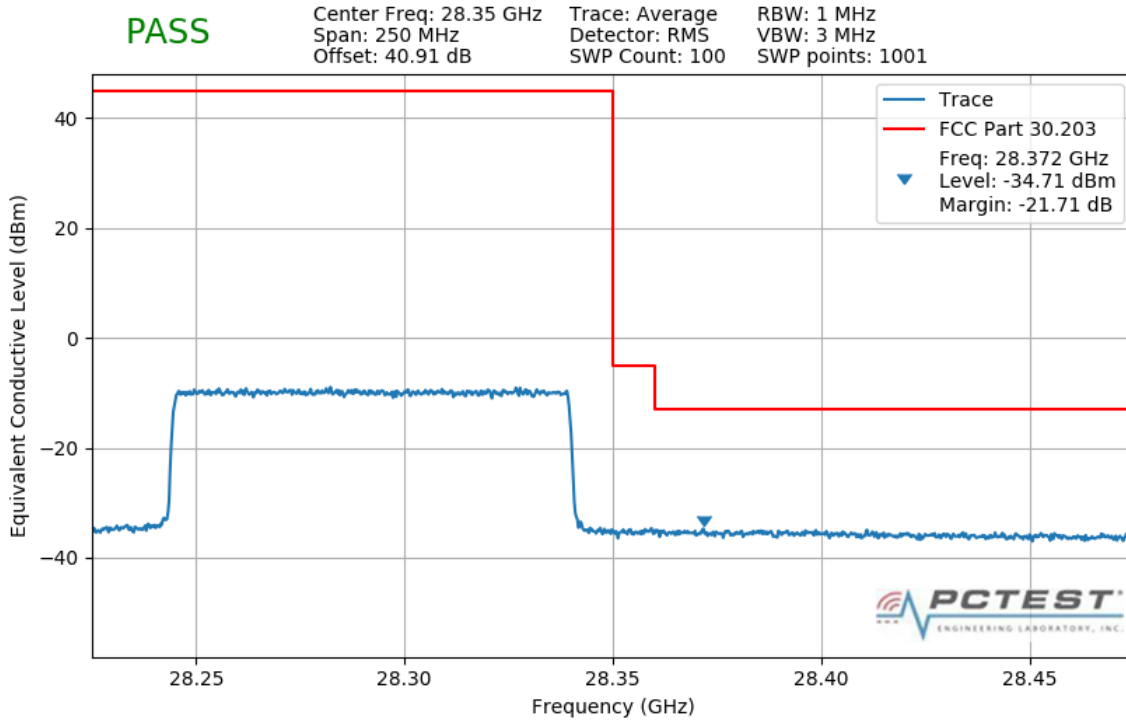


Plot 7-331. Upper Band Edge Plot (1CC 50MHz 16QAM 1 RB)

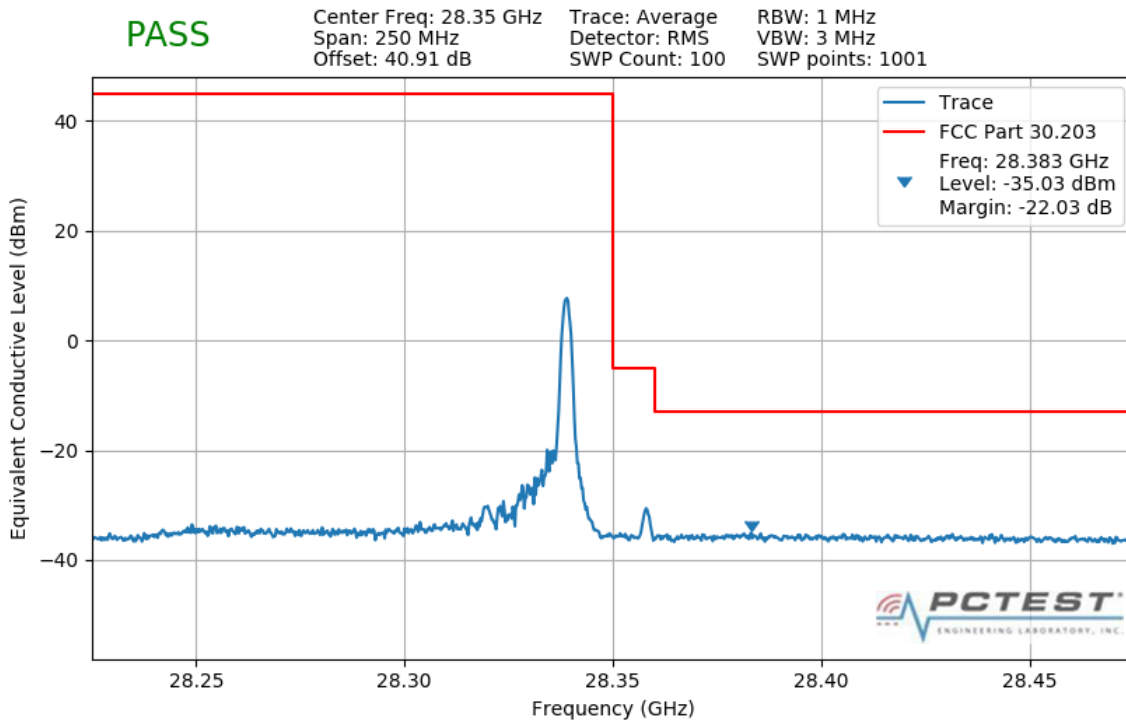


Plot 7-332. Upper Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 213 of 337

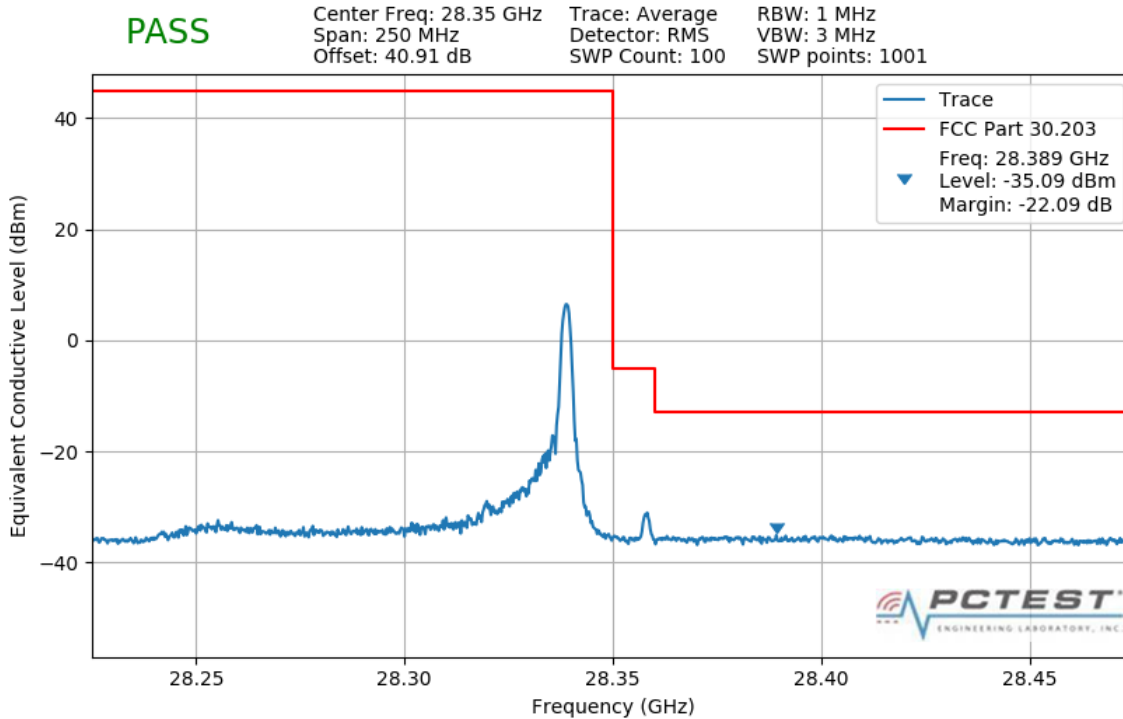


Plot 7-333. Upper Band Edge Plot (1CC 100MHz QPSK Full RB)

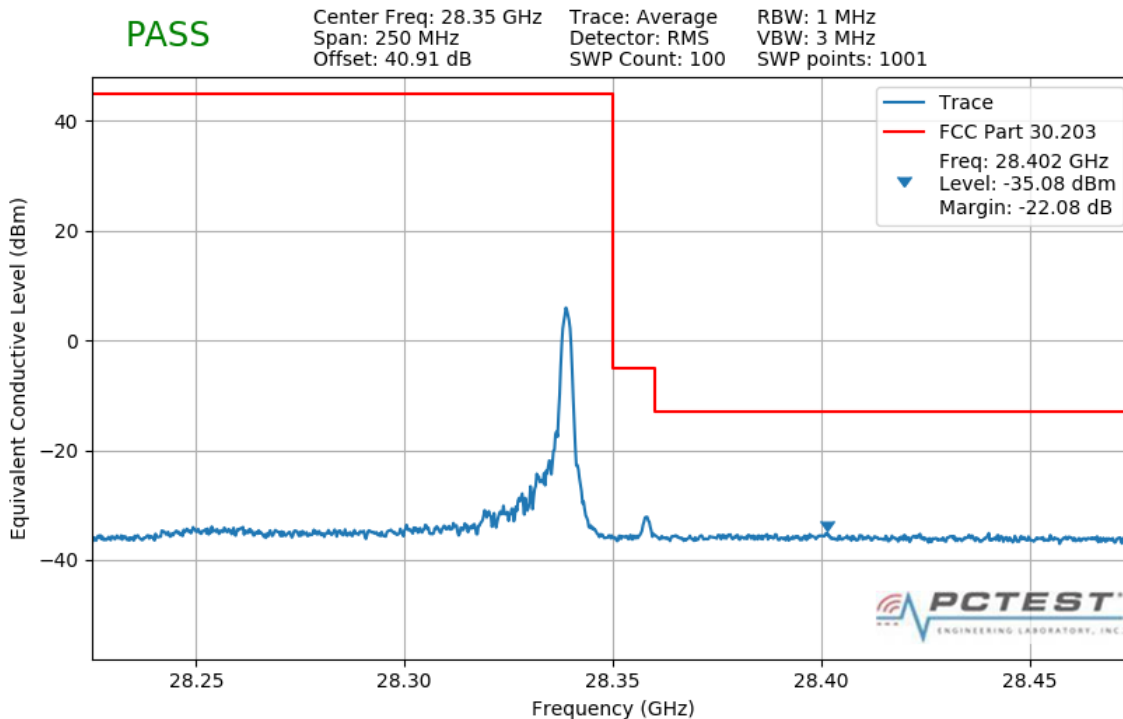


Plot 7-334. Upper Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset			Page 214 of 337

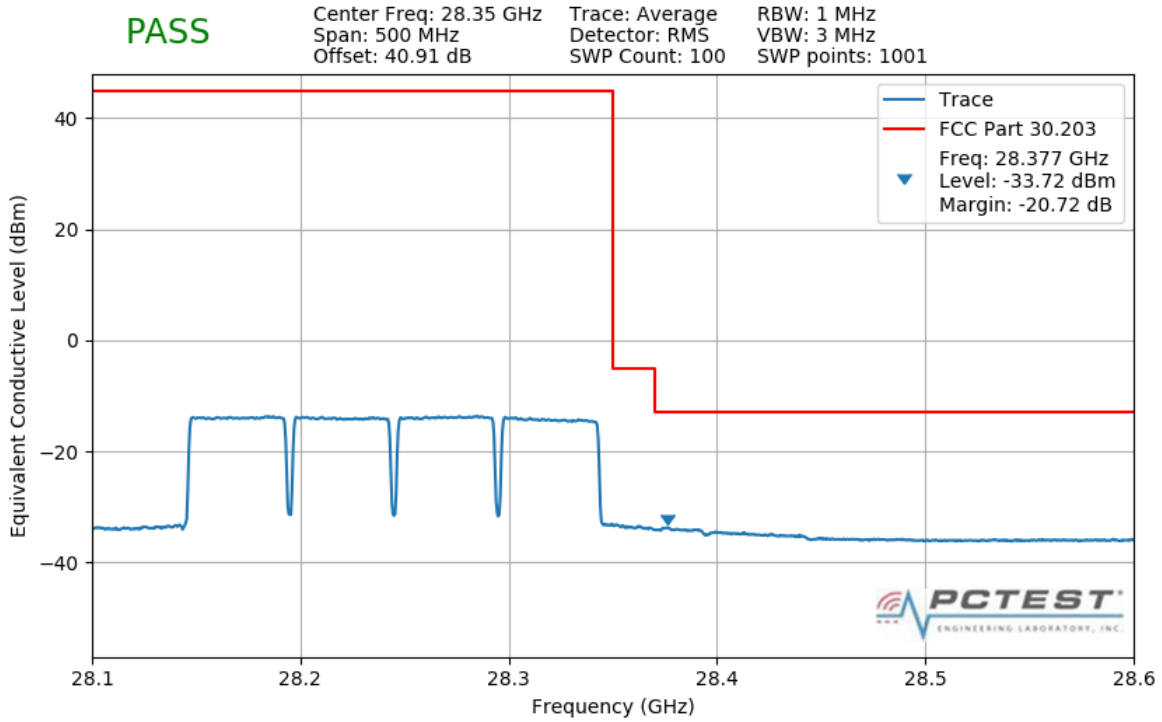


Plot 7-335. Upper Band Edge Plot (1CC 100MHz 16QAM 1 RB)

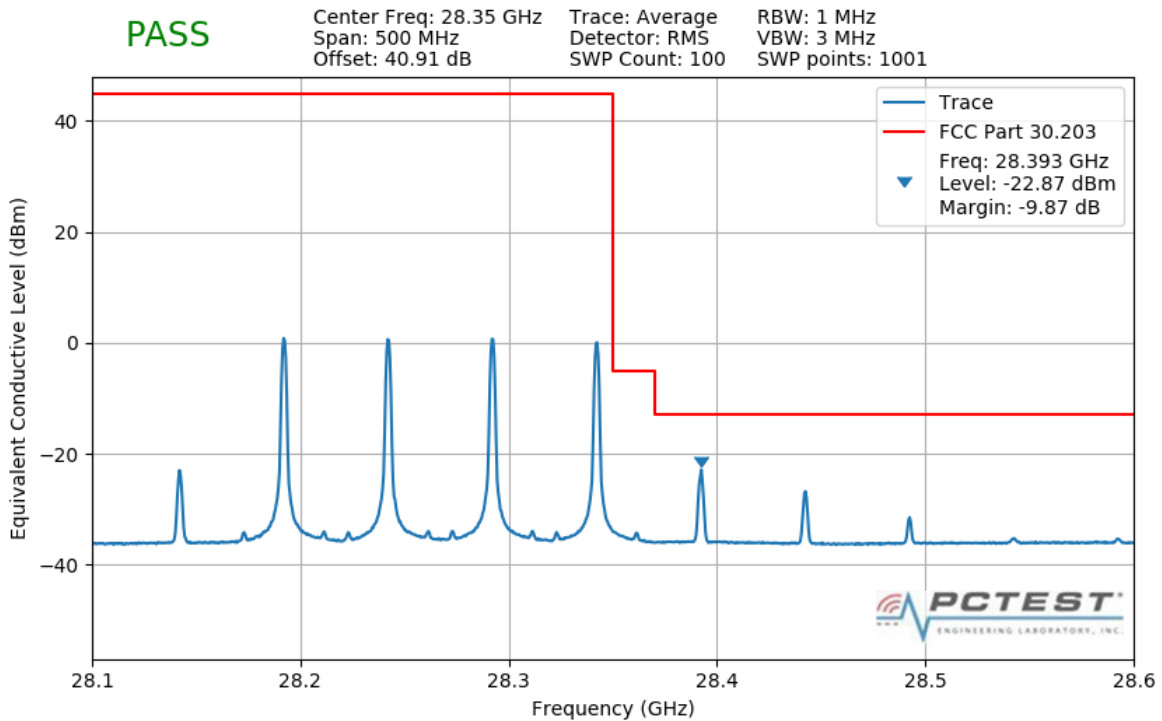


Plot 7-336. Upper Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 215 of 337

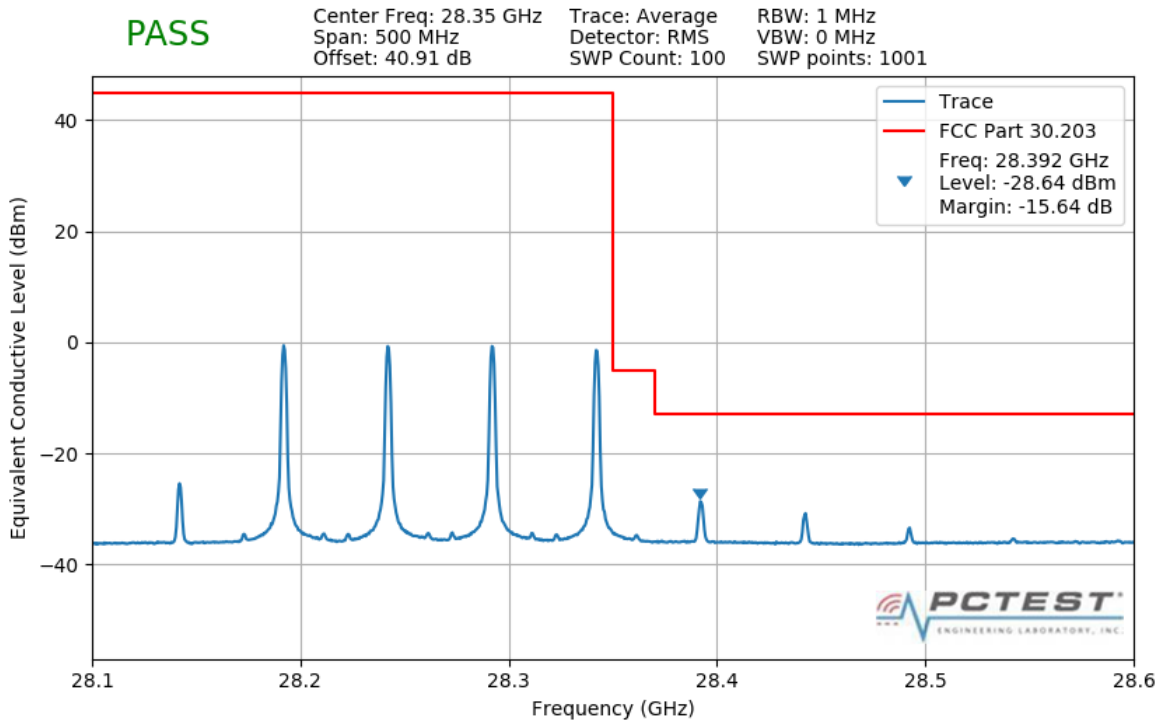


Plot 7-337. Upper Band Edge Plot (4CC 200MHz QPSK Full RB)

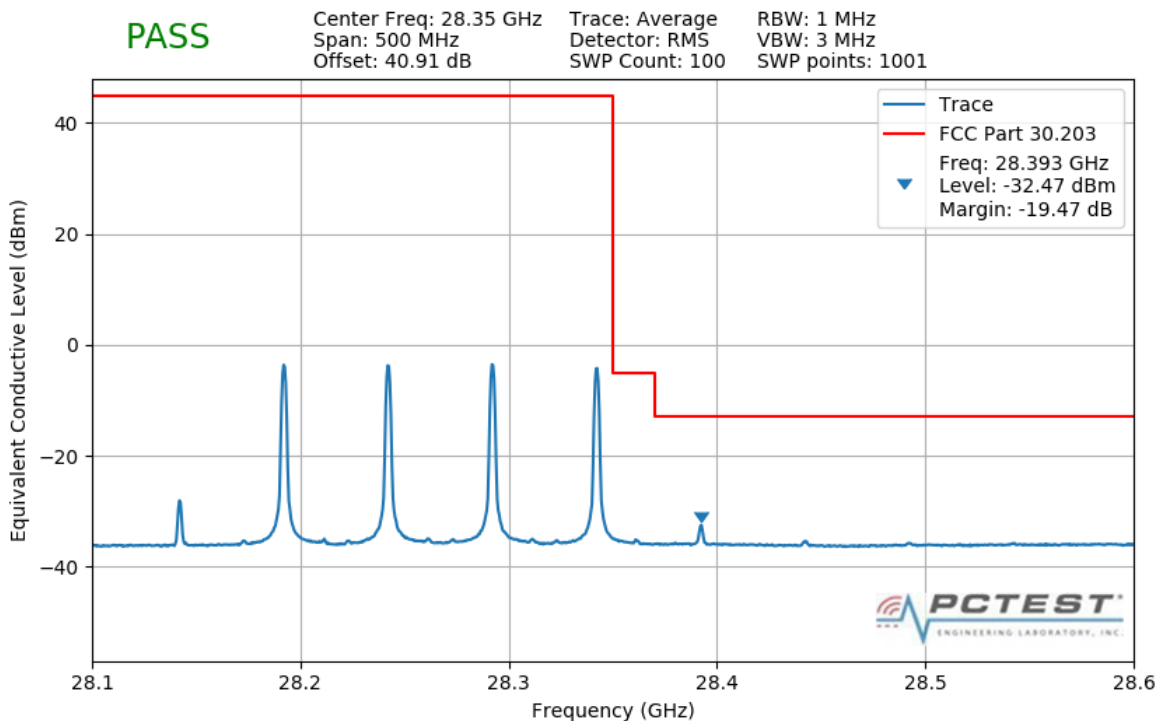


Plot 7-338. Upper Band Edge Plot (4CC 200MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 216 of 337

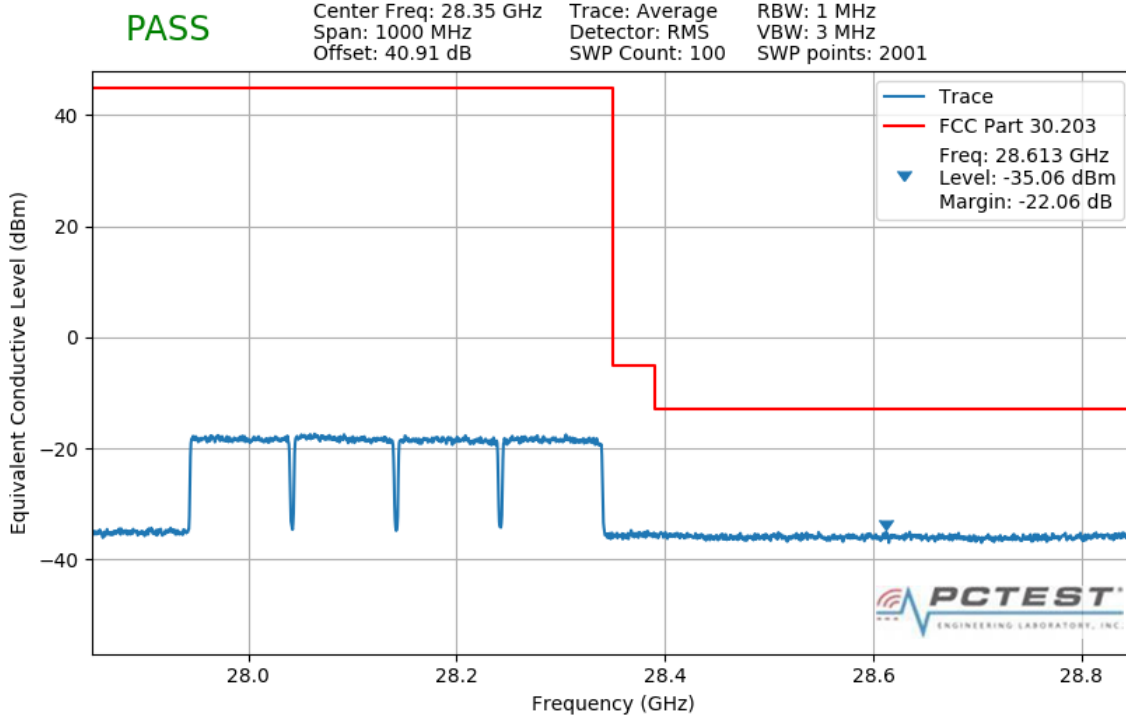


Plot 7-339. Upper Band Edge Plot (4CC 200MHz 16QAM 1 RB)

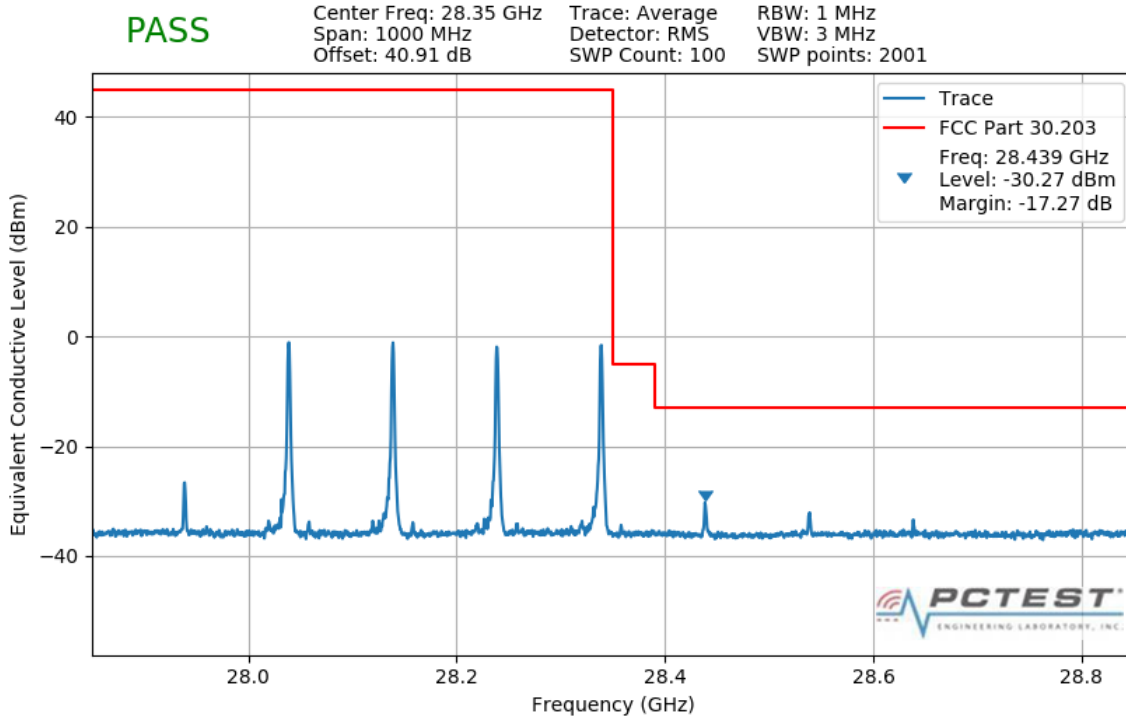


Plot 7-340. Upper Band Edge Plot (4CC 200MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 217 of 337

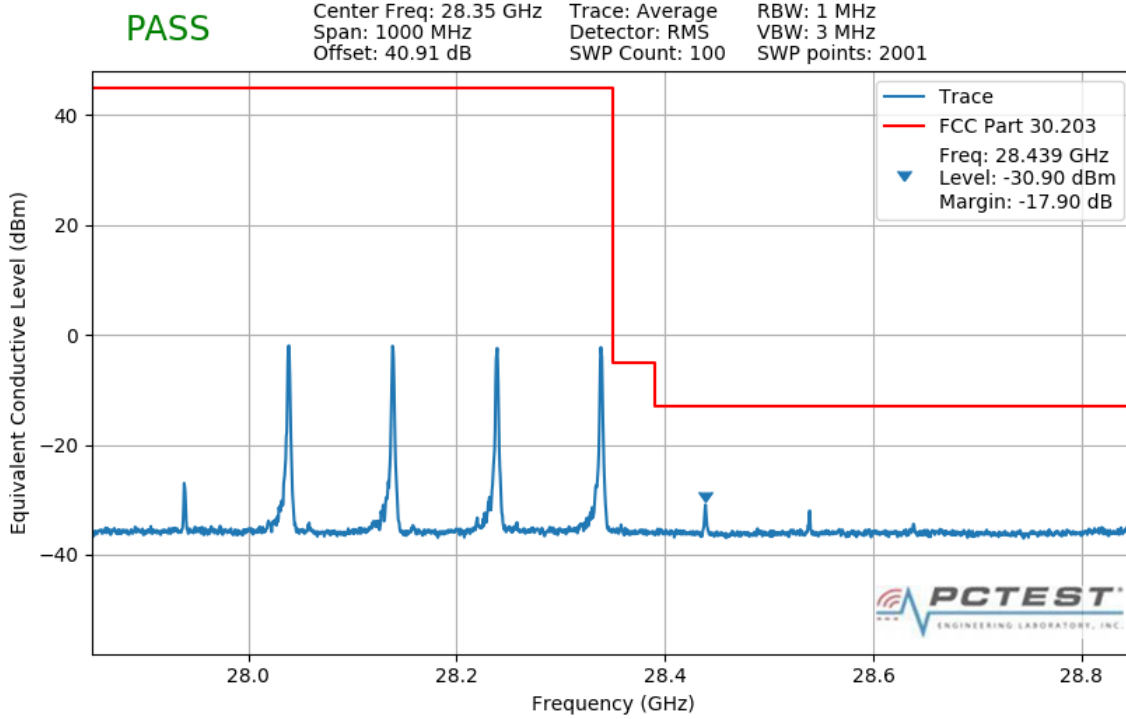


Plot 7-341. Upper Band Edge Plot (4CC 400MHz QPSK Full RB)

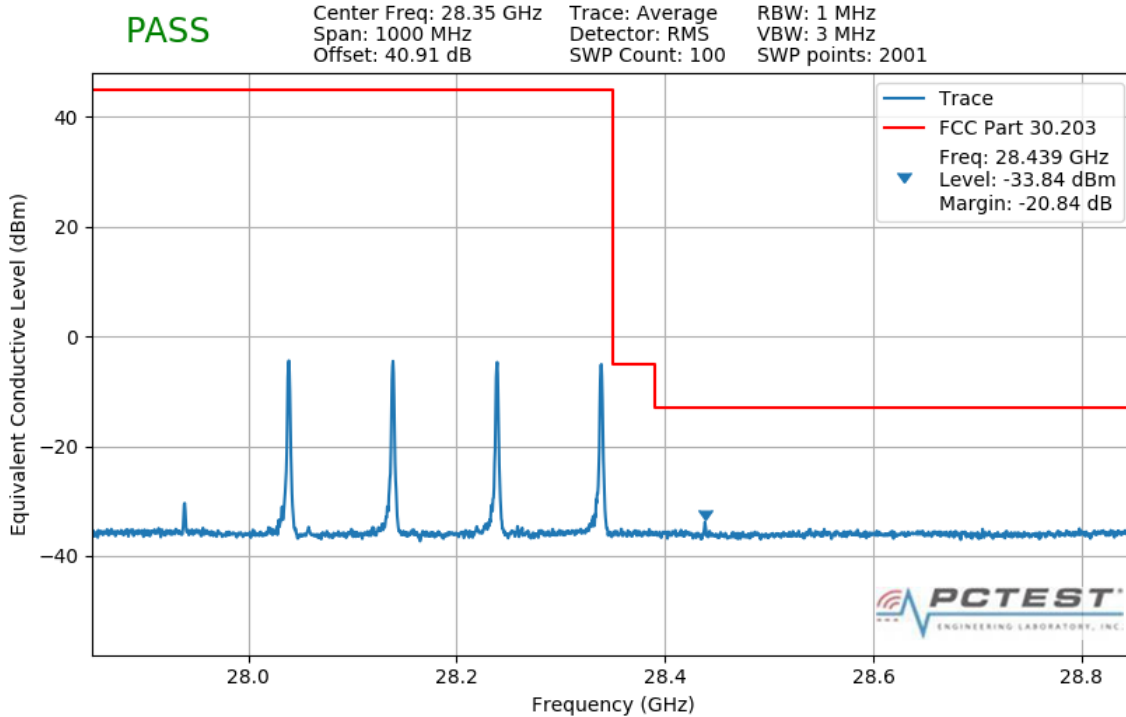


Plot 7-342. Upper Band Edge Plot (4CC 400MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 218 of 337



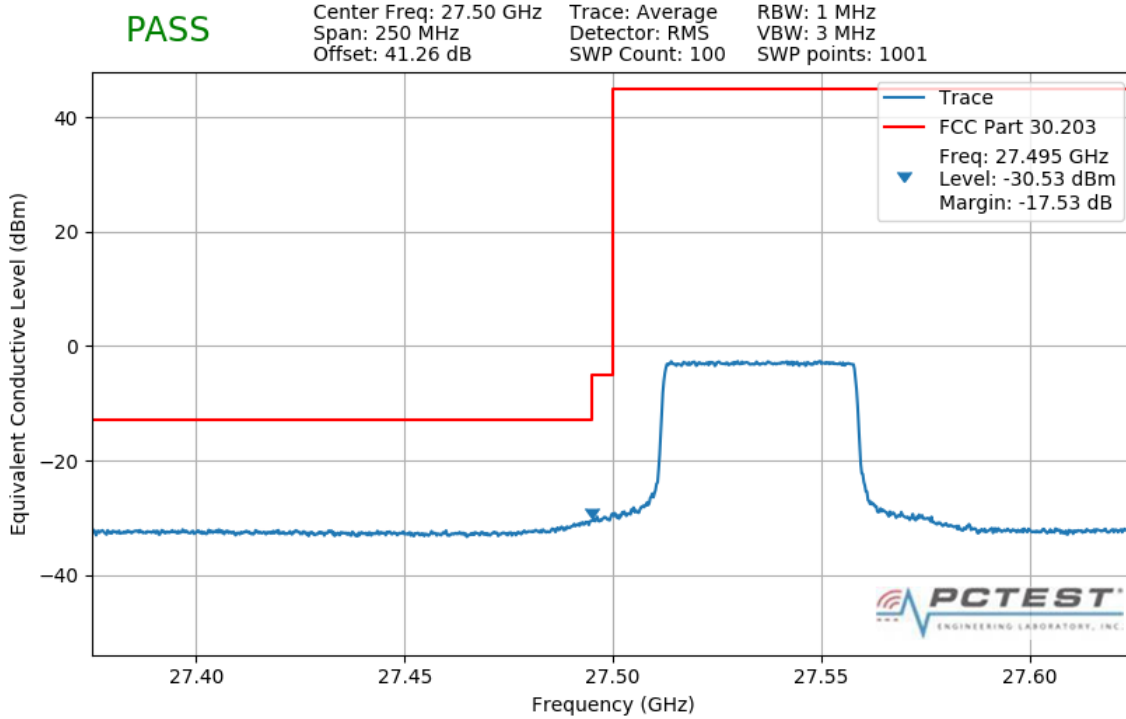
Plot 7-343. Upper Band Edge Plot (4CC 400MHz 16QAM 1 RB)



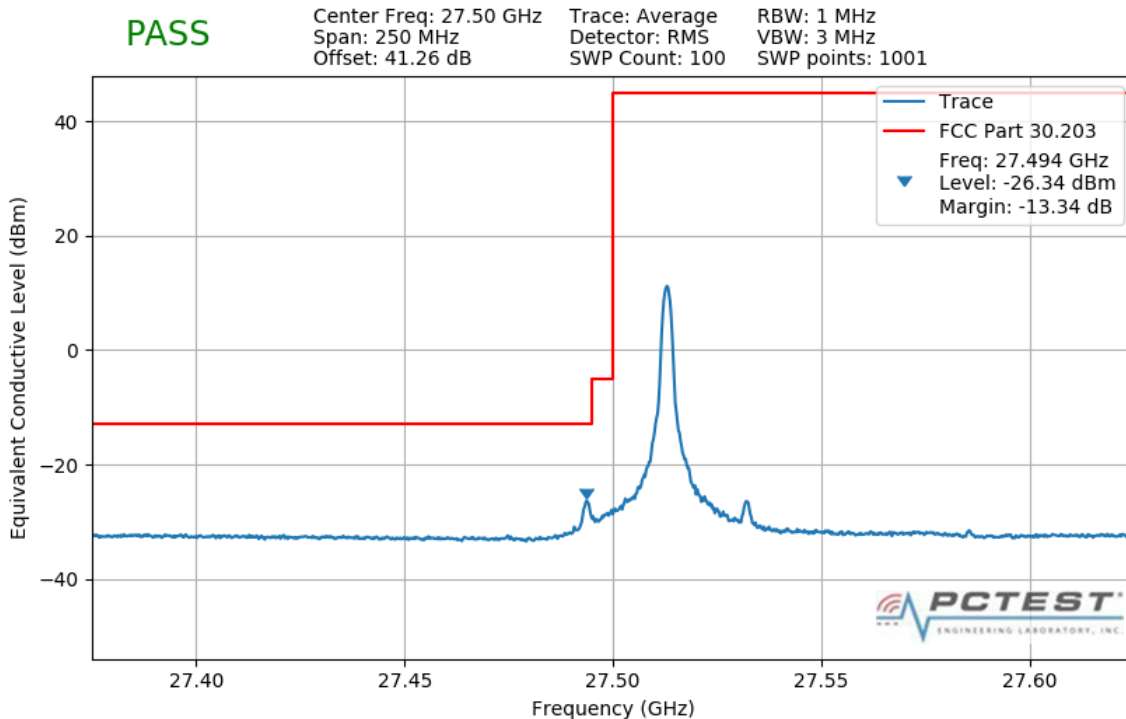
Plot 7-344. Upper Band Edge Plot (4CC 400MHz 64QAM 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 219 of 337

MIMO

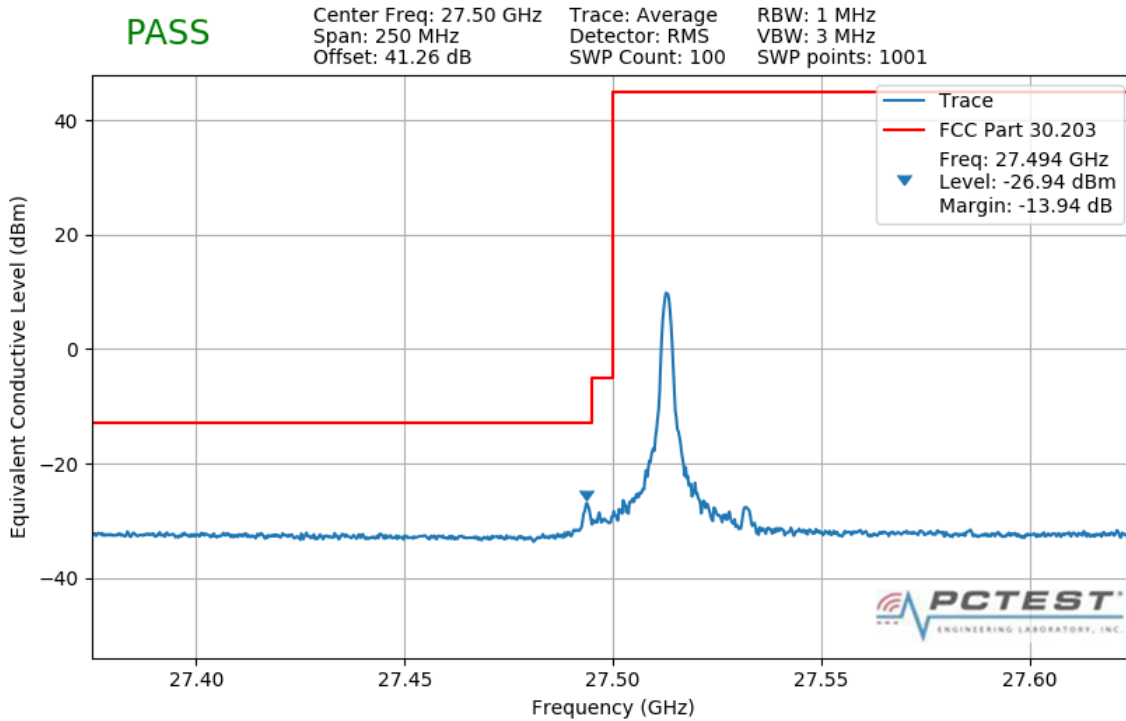


Plot 7-345. Lower Band Edge Plot (1CC 50MHz QPSK Full RB)

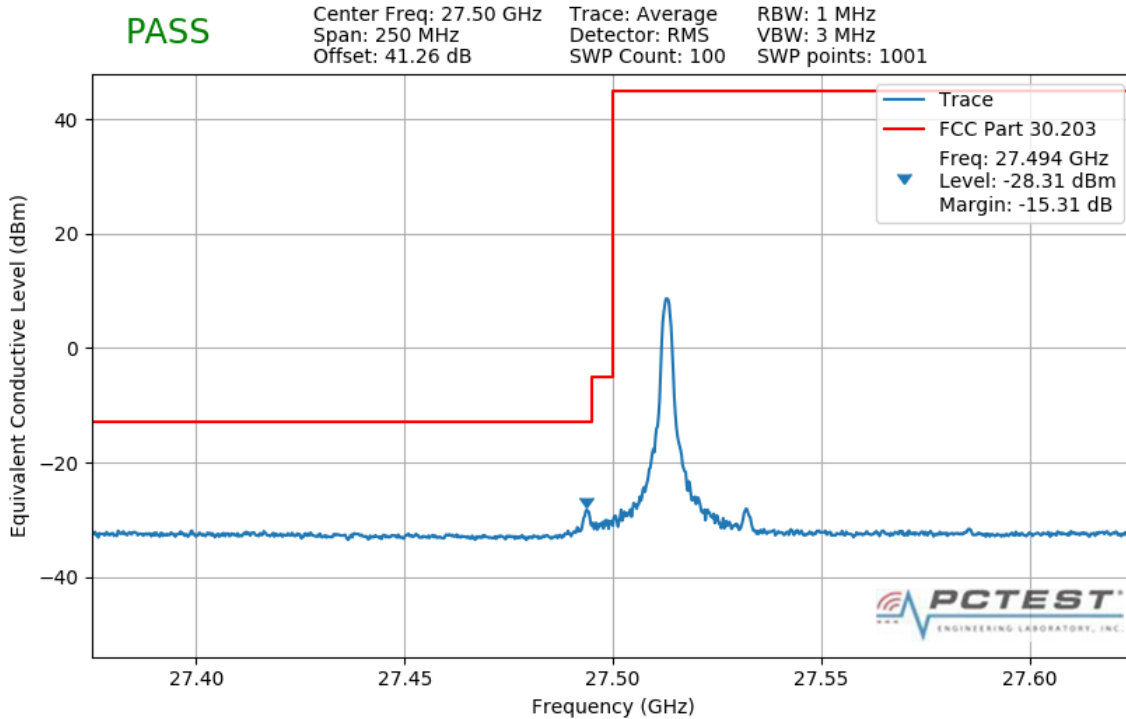


Plot 7-346. Lower Band Edge Plot (1CC 50MHz QPSK 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset			Page 220 of 337

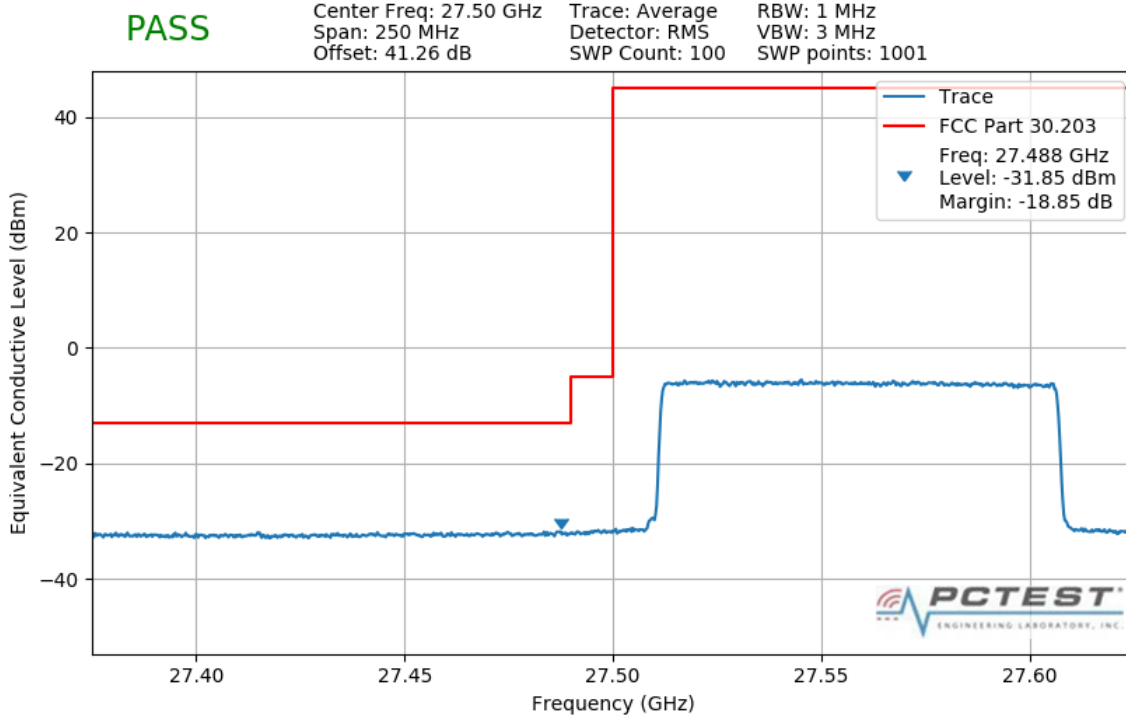


Plot 7-347. Lower Band Edge Plot (1CC 50MHz 16QAM 1 RB)

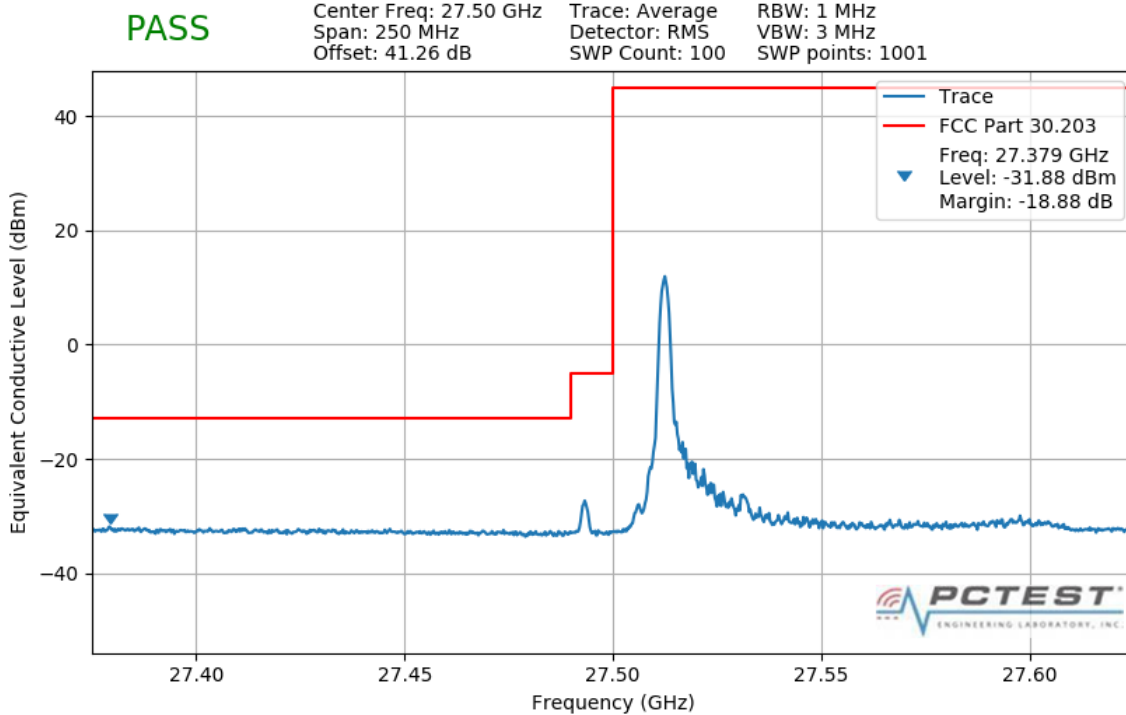


Plot 7-348. Lower Band Edge Plot (1CC 50MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 221 of 337

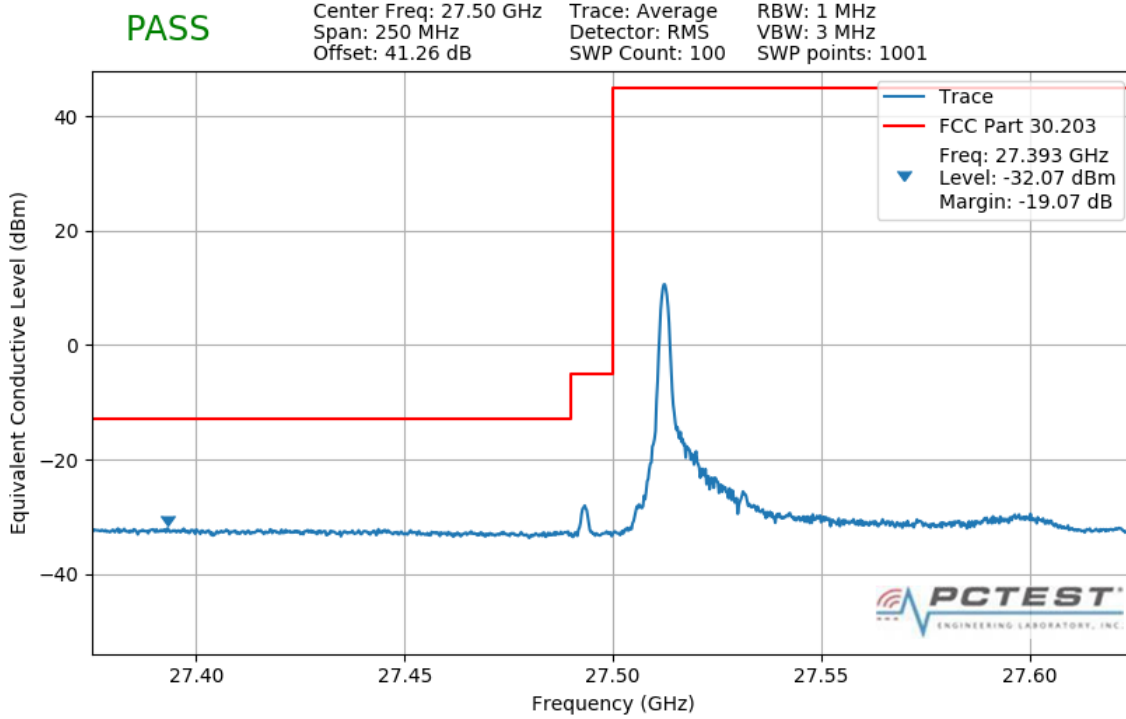


Plot 7-349. Lower Band Edge Plot (1CC 100MHz QPSK Full RB)

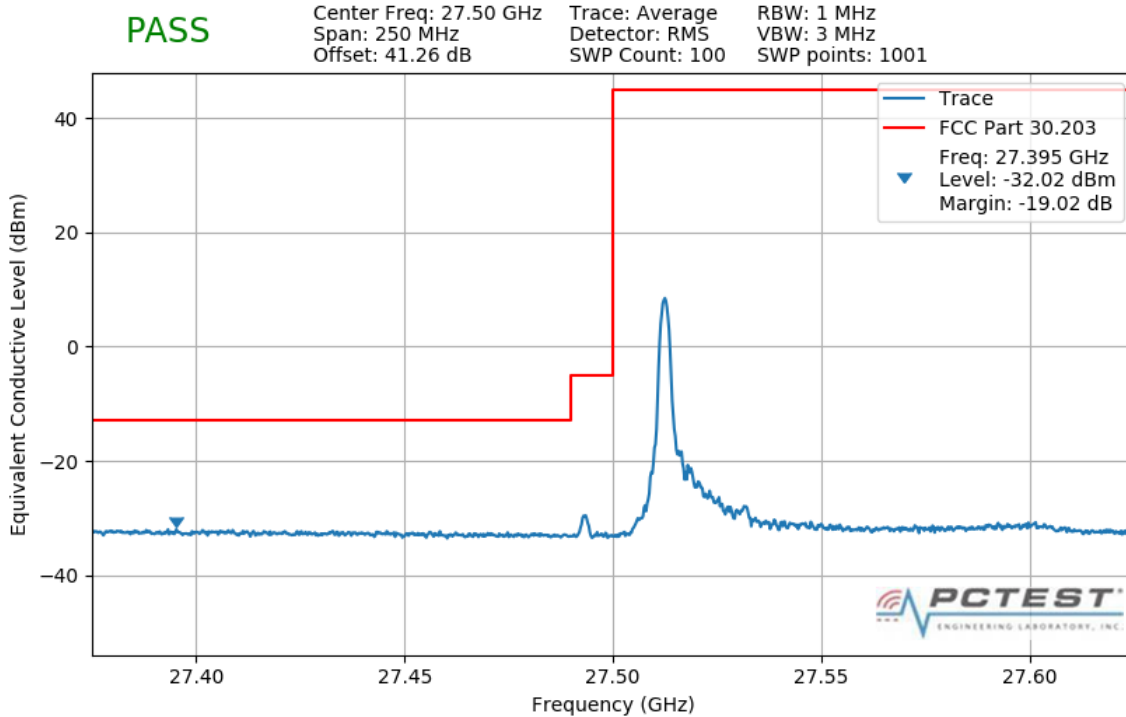


Plot 7-350. Lower Band Edge Plot (1CC 100MHz QPSK 1 RB)

FCC ID: A3LSMG977U	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
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Plot 7-351. Lower Band Edge Plot (1CC 100MHz 16QAM 1 RB)



Plot 7-352. Lower Band Edge Plot (1CC 100MHz 64QAM 1 RB)

FCC ID: A3LSMG977U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901100003-06-R1.A3L	Test Dates: 01/22/2019 - 03/25/2019	EUT Type: Portable Handset		Page 223 of 337