

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

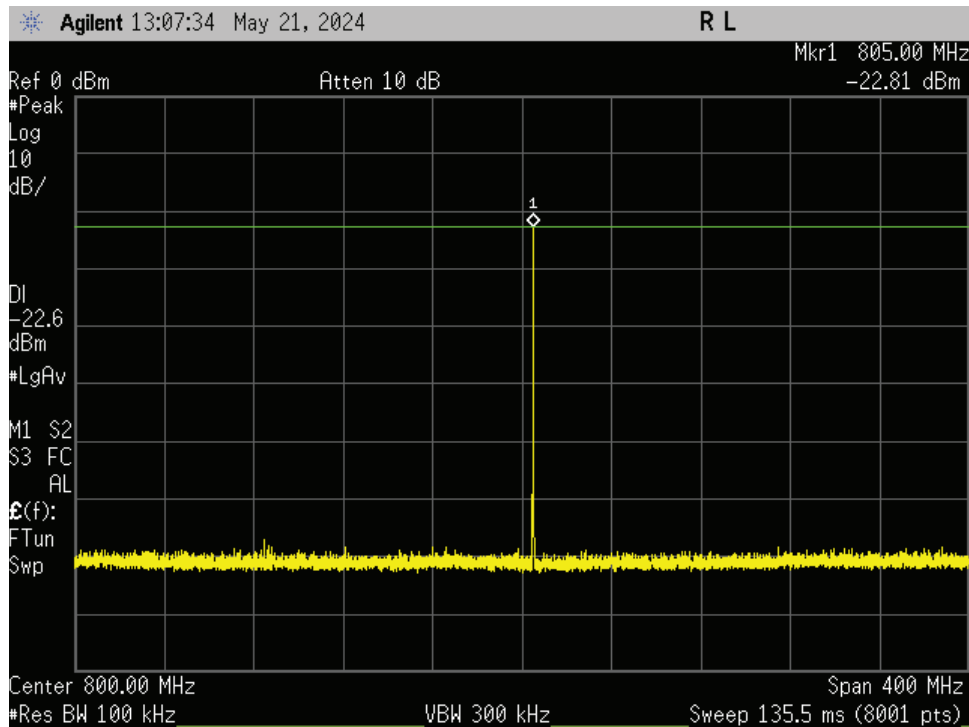


Figure 251. 805 MHz Horizontal, 600 – 1000 MHz

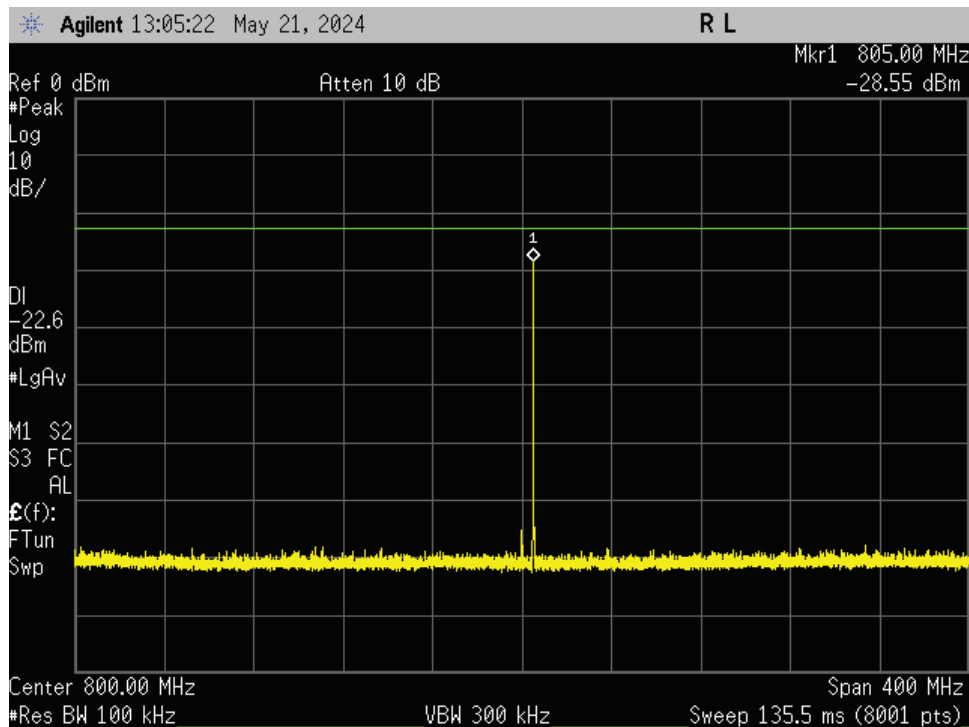


Figure 252. 805 MHz Vertical, 600 – 1000 MHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

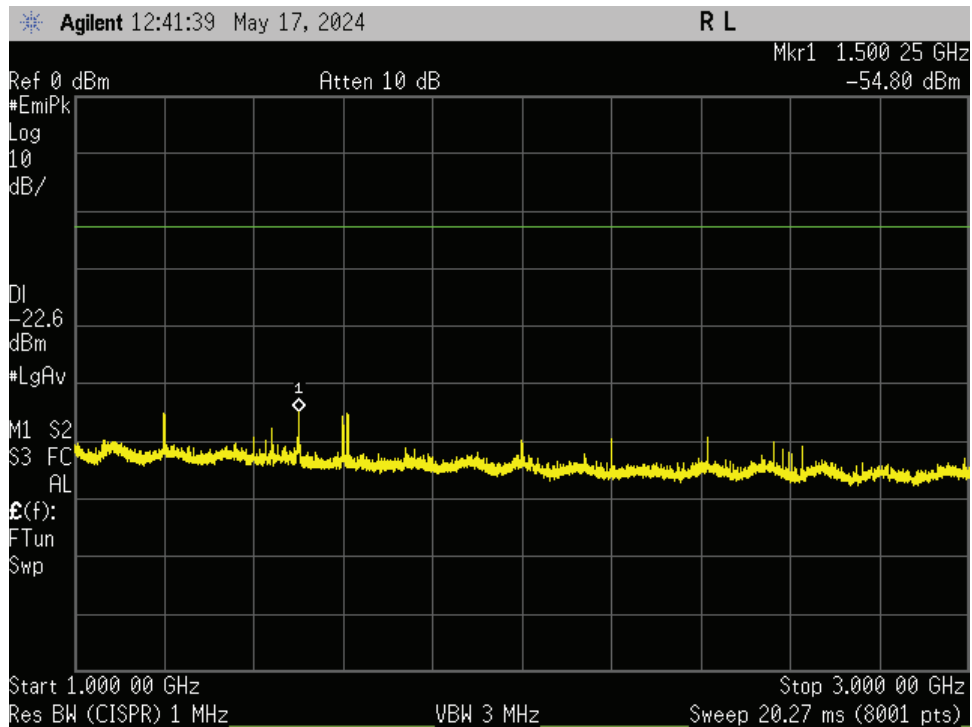


Figure 253. 805 MHz Horizontal, 1 - 3 GHz

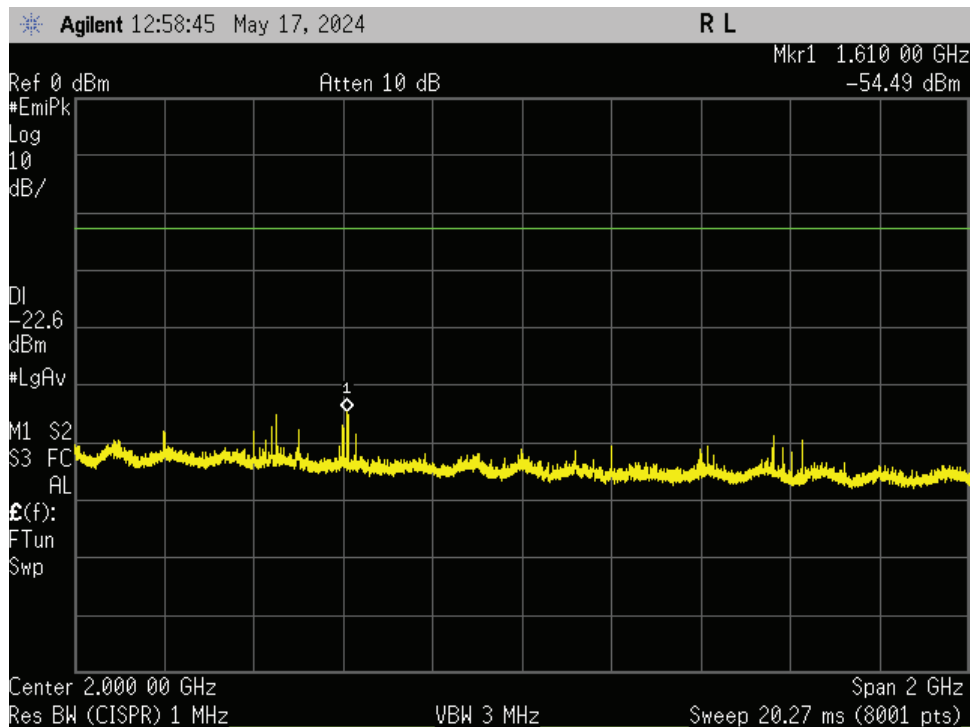


Figure 254. 805 MHz Vertical, 1 - 3 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

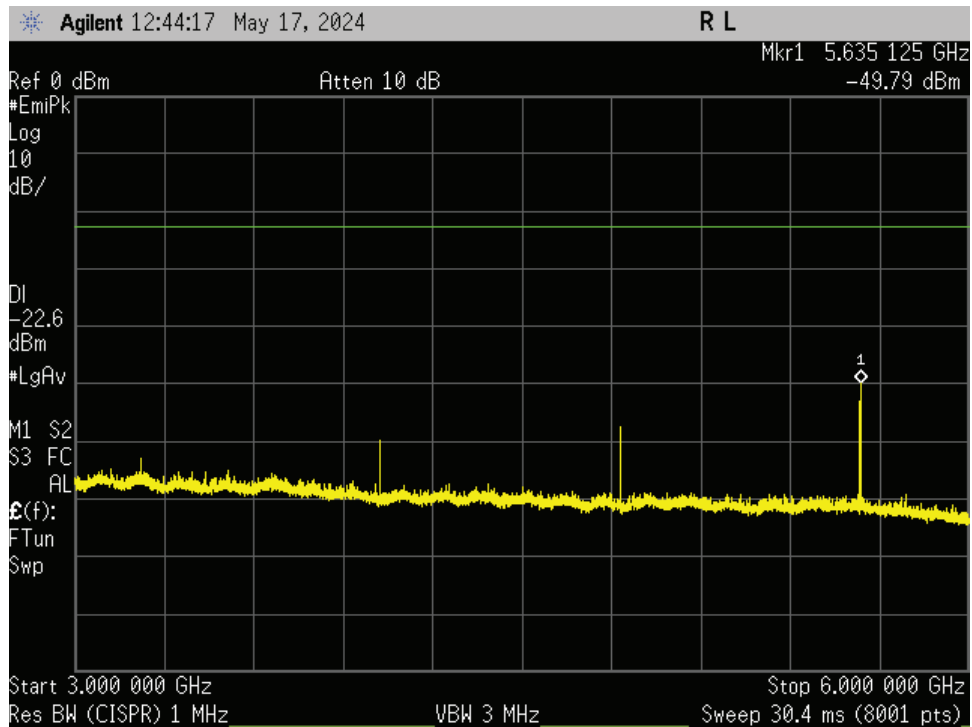


Figure 255. 805 MHz Horizontal, 3 - 6 GHz

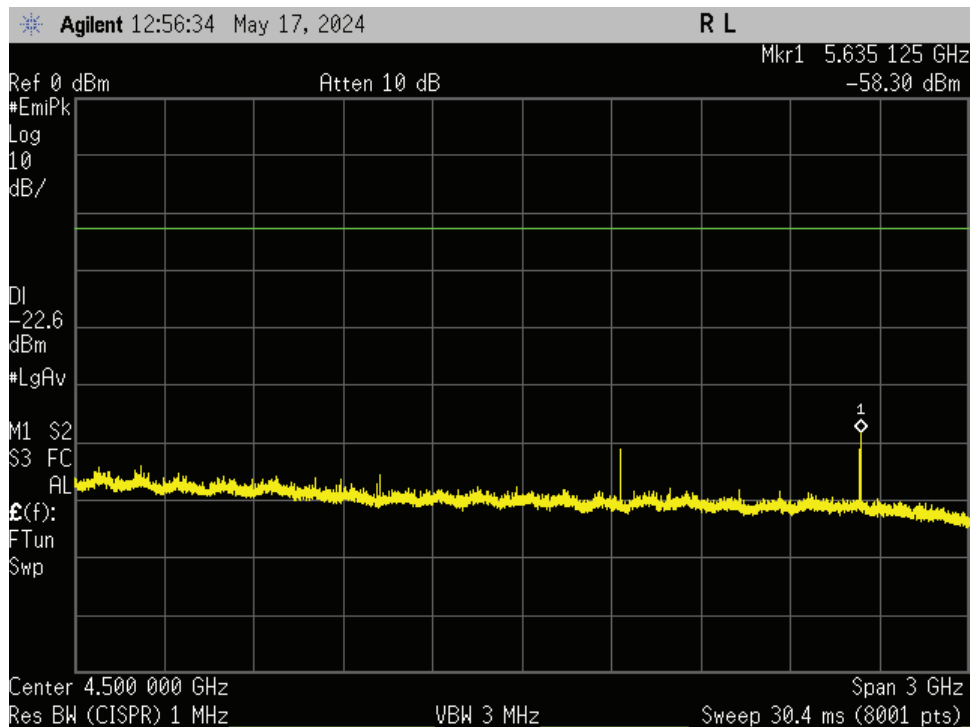


Figure 256. 805 MHz Vertical, 3 - 6 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

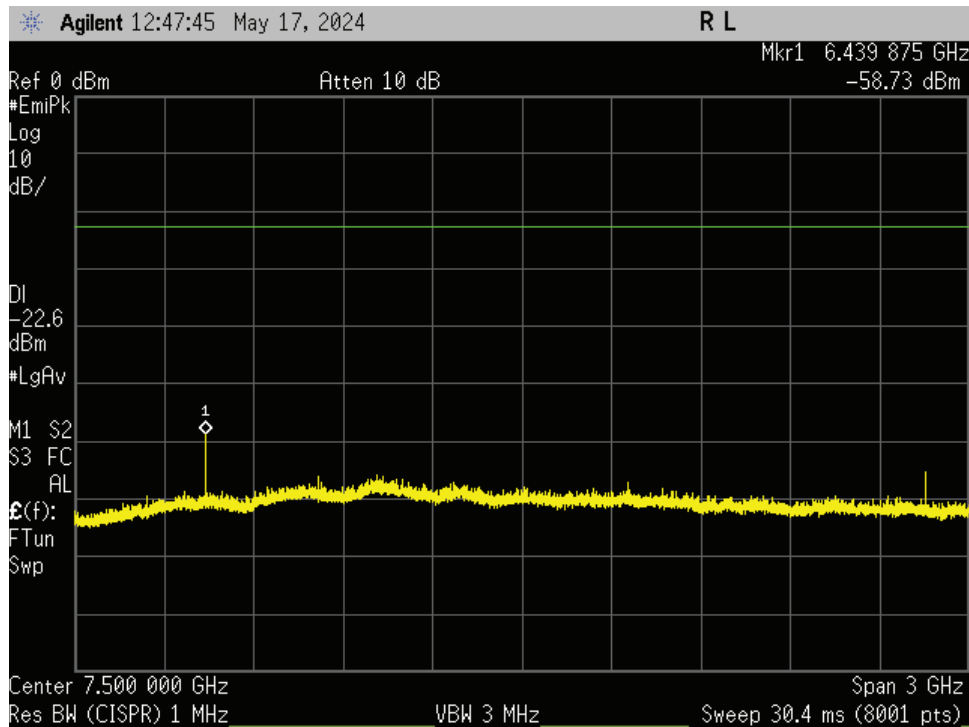


Figure 257. 805 MHz Horizontal, 6 - 9 GHz

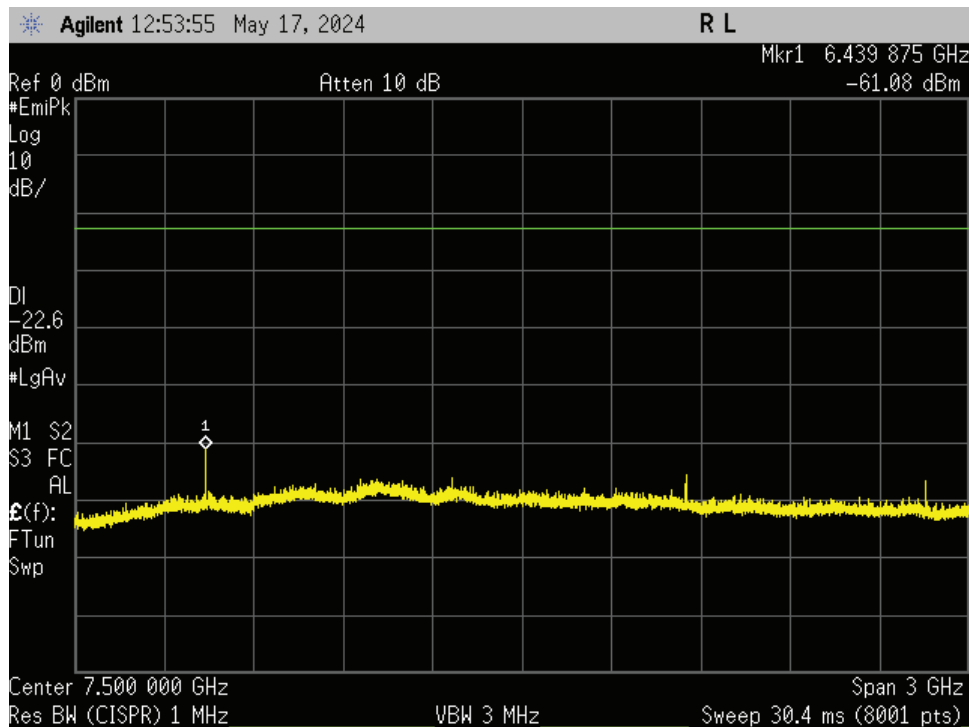


Figure 258. 805 MHz Vertical, 6 - 9 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.12.1.4 800 MHz Radiated Spurious Emissions Plots

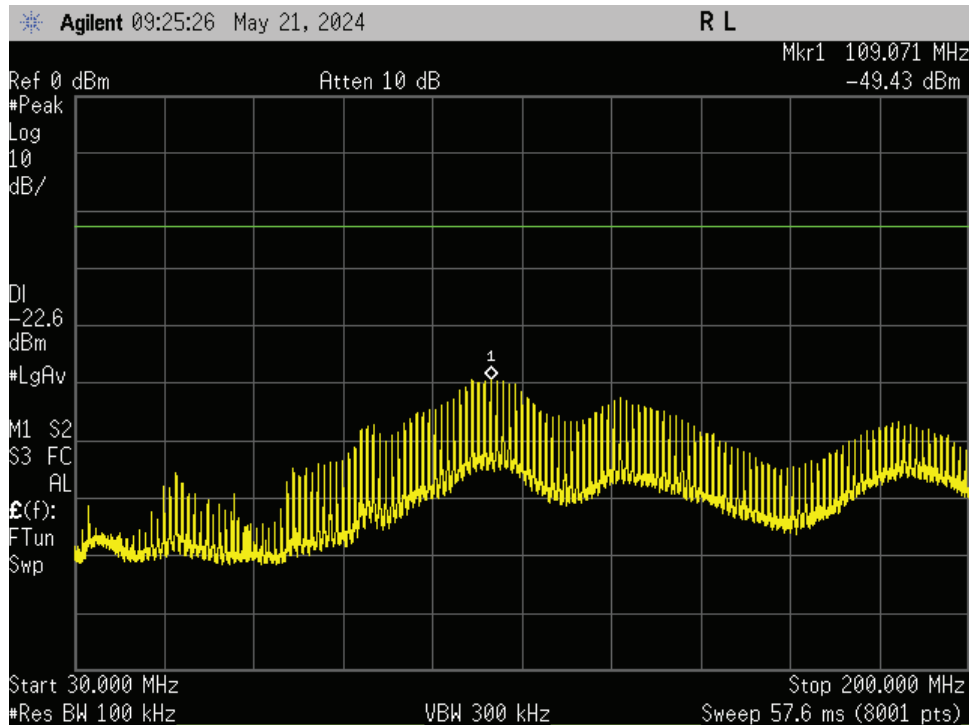


Figure 259. 824 MHz Horizontal, 30 – 200 MHz

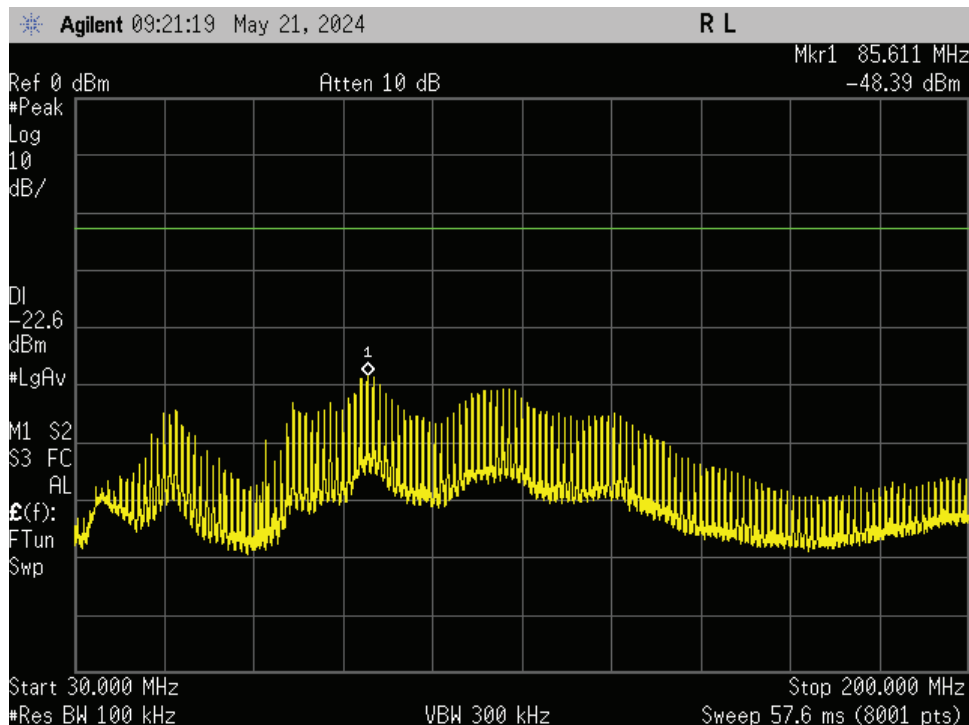


Figure 260. 824 MHz Vertical, 30 - 200 MHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

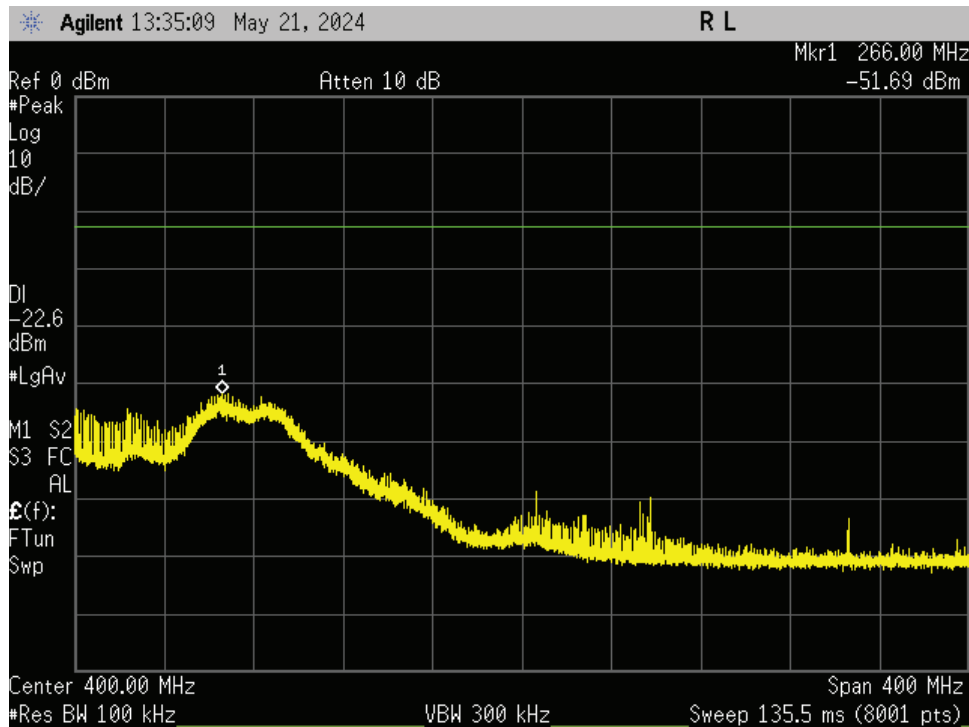


Figure 261. 824 MHz Horizontal, 200 – 600 MHz

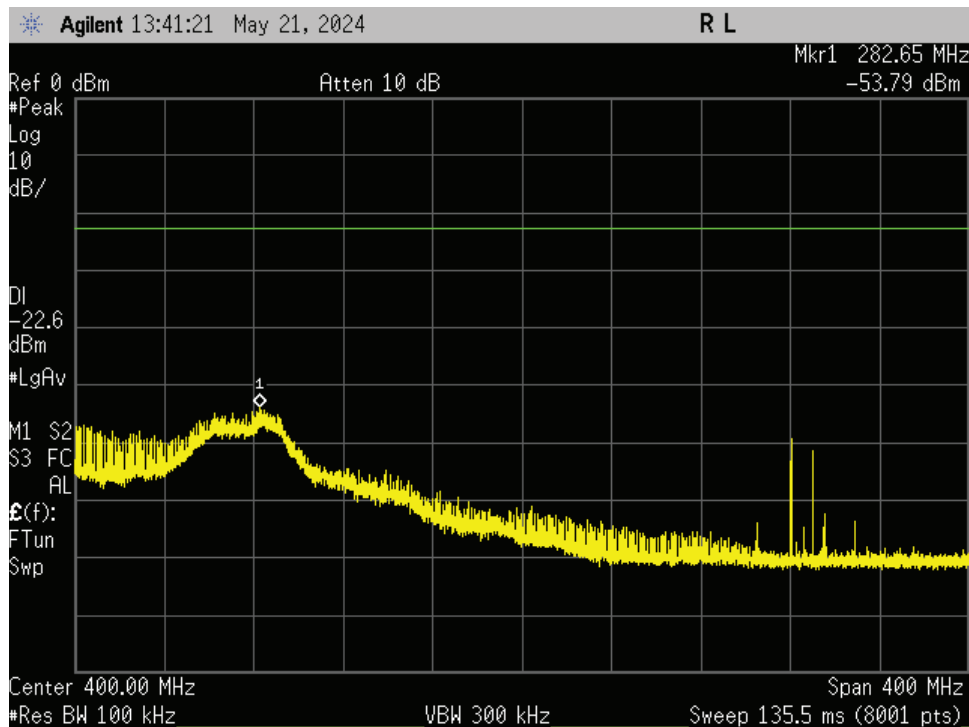


Figure 262. 824 MHz Vertical, 200 – 600 MHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

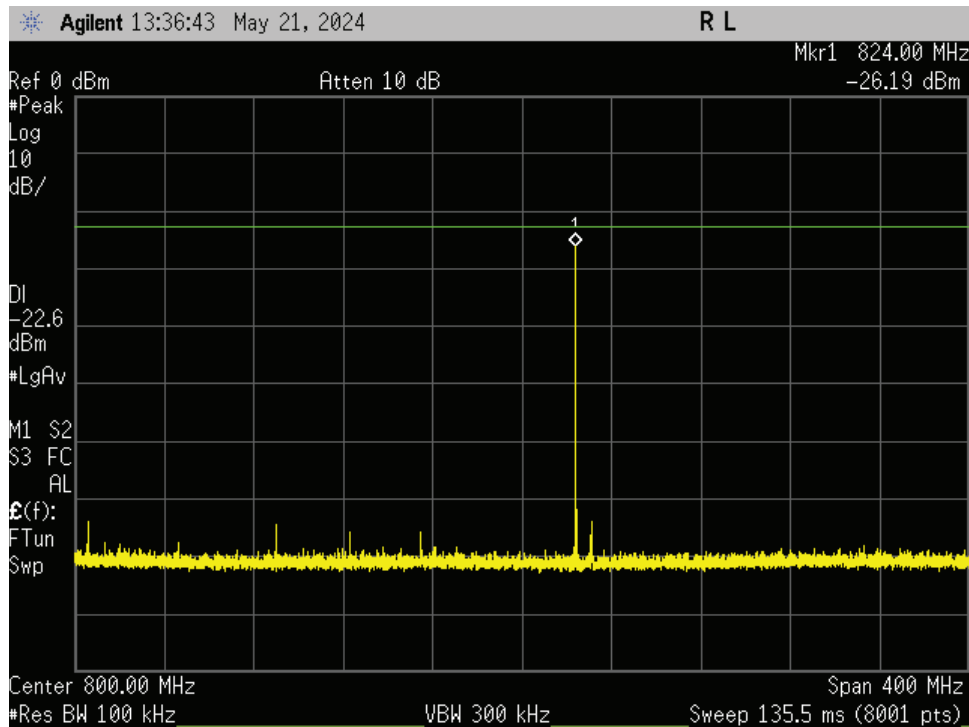


Figure 263. 824 MHz Horizontal, 600 – 1000 MHz

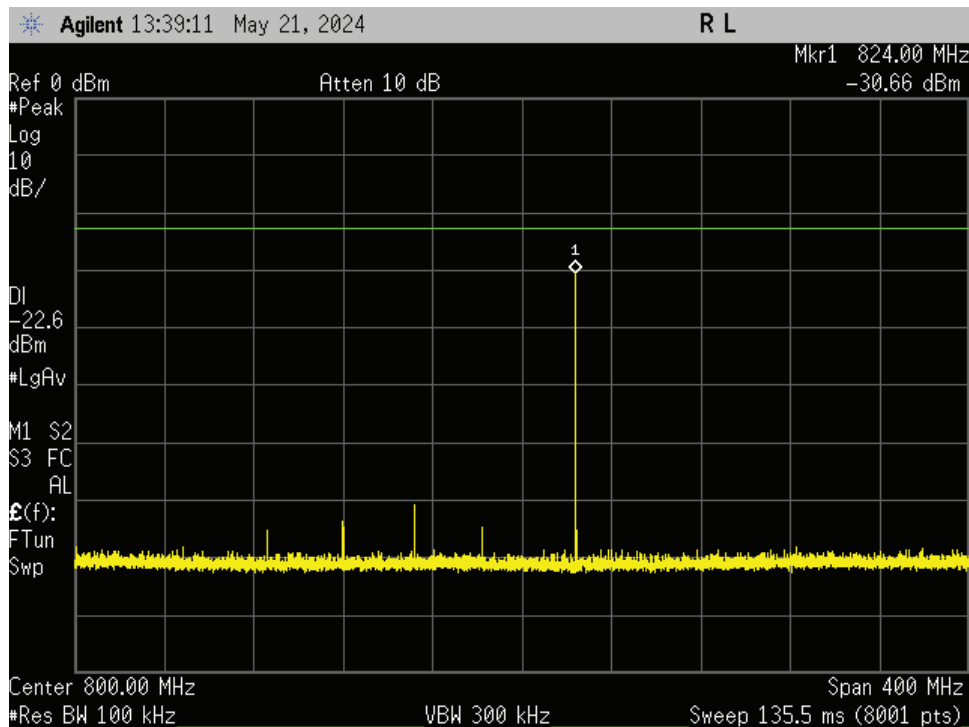


Figure 264. 824 MHz Vertical, 600 – 1000 MHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

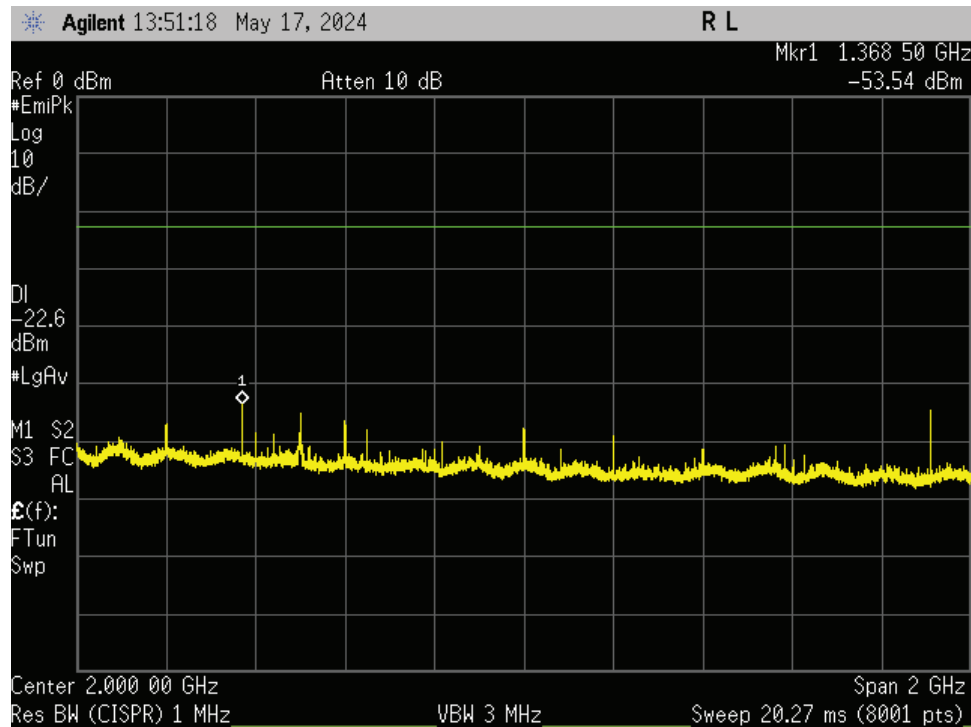


Figure 265. 824 MHz Horizontal, 1 - 3 GHz

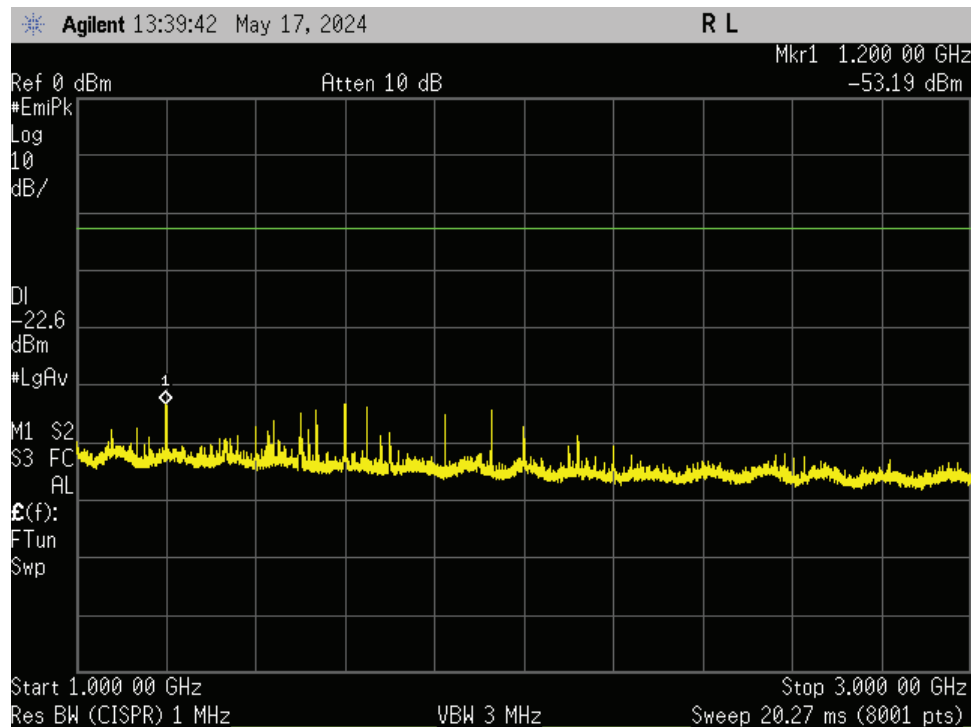


Figure 266. 824 MHz Vertical, 1 - 3 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

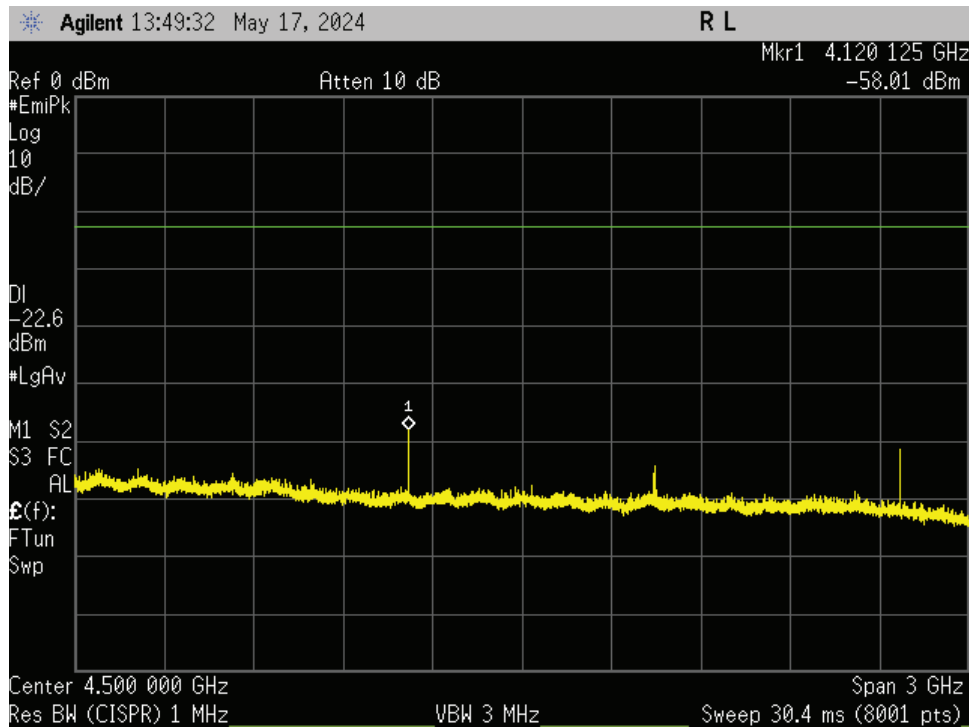


Figure 267. 824 MHz Horizontal, 3 - 6 GHz

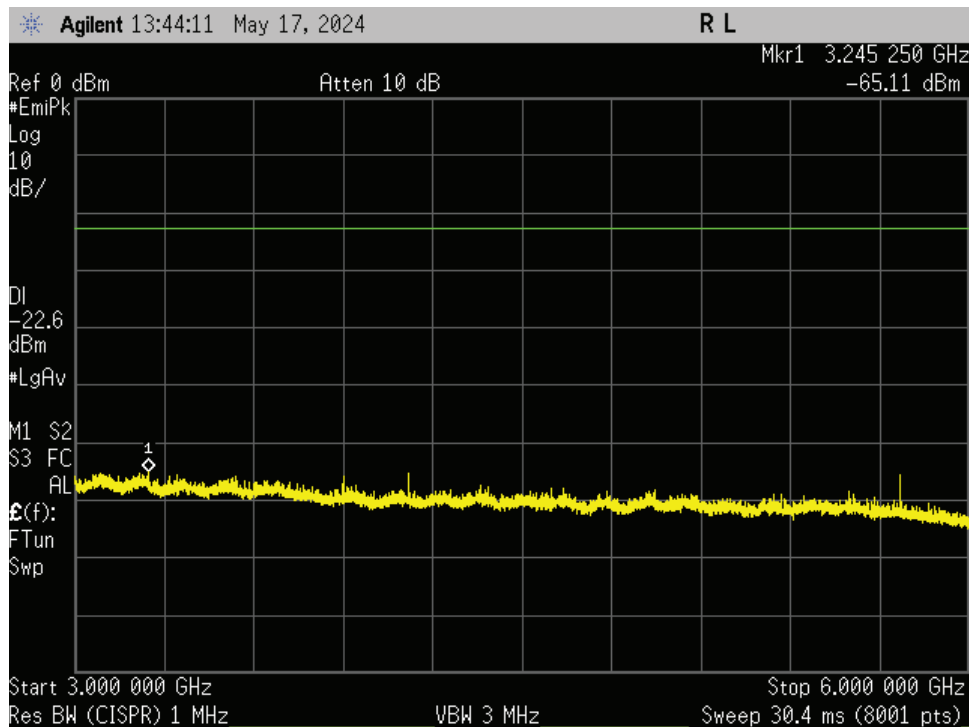


Figure 268. 824 MHz Vertical, 3 - 6 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

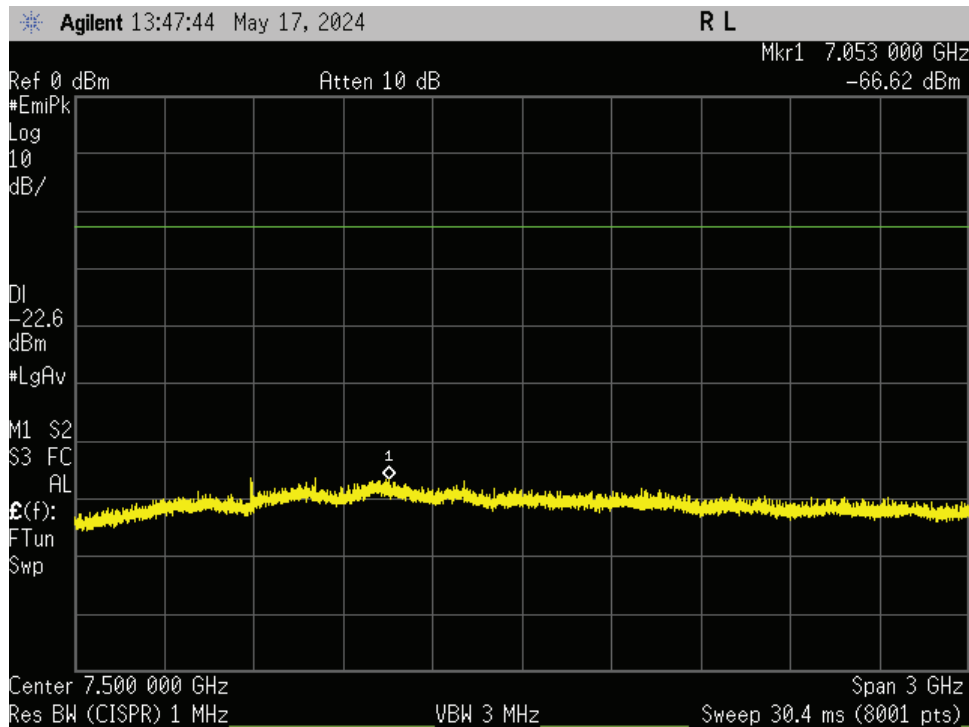


Figure 269. 824 MHz Horizontal, 6 - 9 GHz

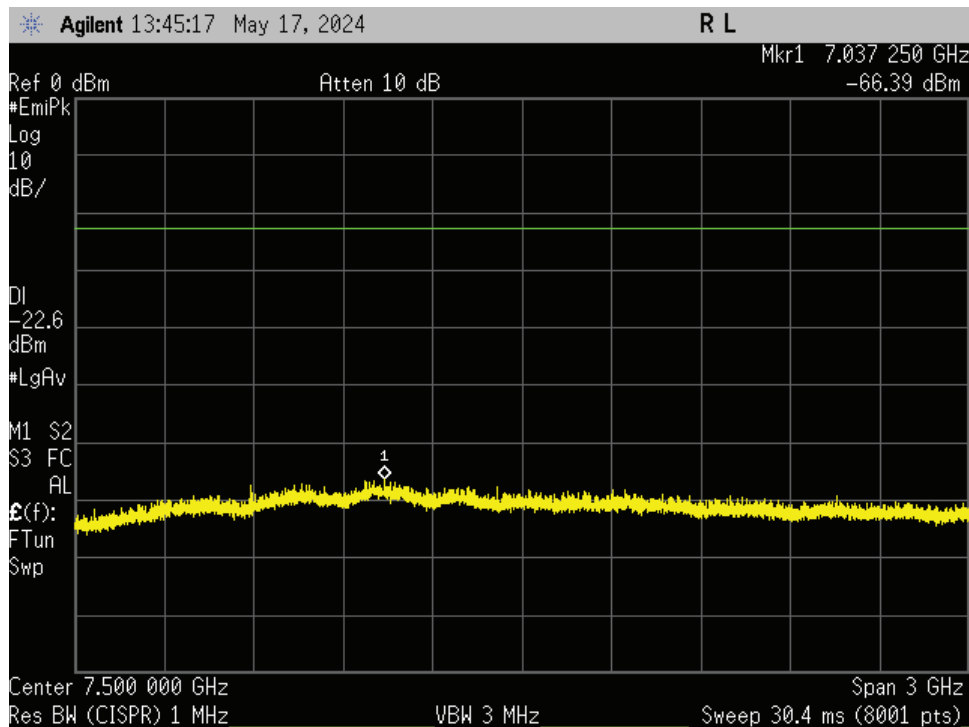


Figure 270. 824 MHz Vertical, 6 - 9 GHz

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.12.2 Conducted Spurious Emissions Measurement (90.219(e)(4), RSS-131, 6.5)

The EUT was connected to a spectrum analyzer through a 20 dB attenuator. All cable and attenuator losses were input into the spectrum analyzer as a combination of reference level offset and/or correction factors as needed to ensure the accuracy of the readings obtained.

A CW signal was used to set the center frequency of the transmitter. The RF input signal level was set to at least 0.2 dB below the ACG threshold. The RBW was set to 100 KHz for measurements below 1 GHz and 1 MHz for measurements above 1 GHz. The VBW was 3 times the RBW.

Limit = -13 dBm (Display line set to represent the limit)

Emissions were investigated from 30 MHz to the 10th harmonic of the applicable frequency band of concern. The following plots show the worst-case measurements.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

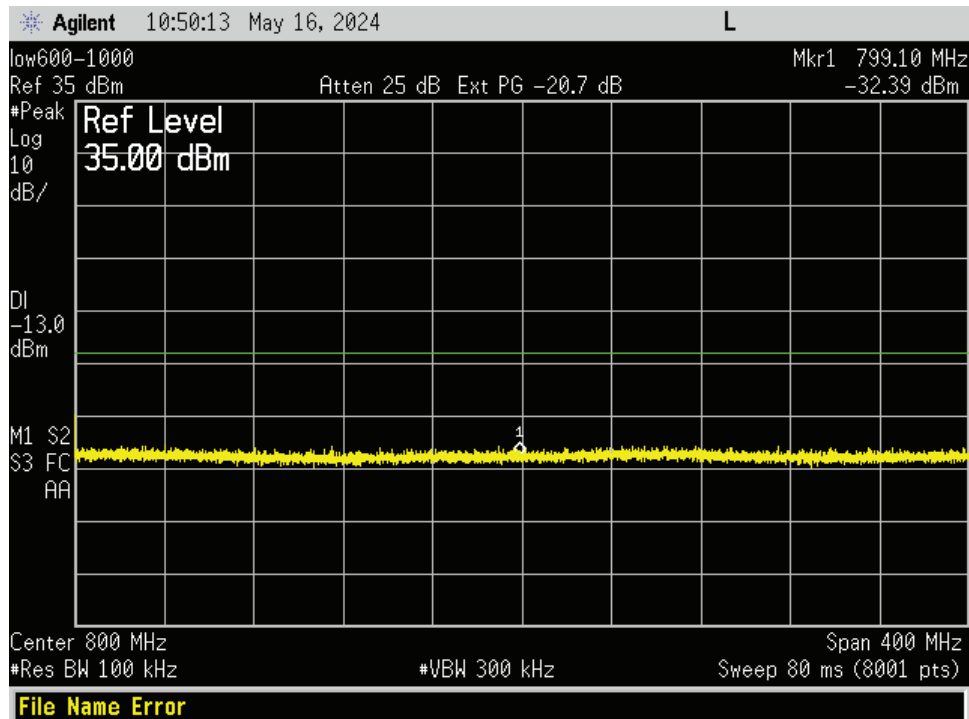


Figure 273. 150 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

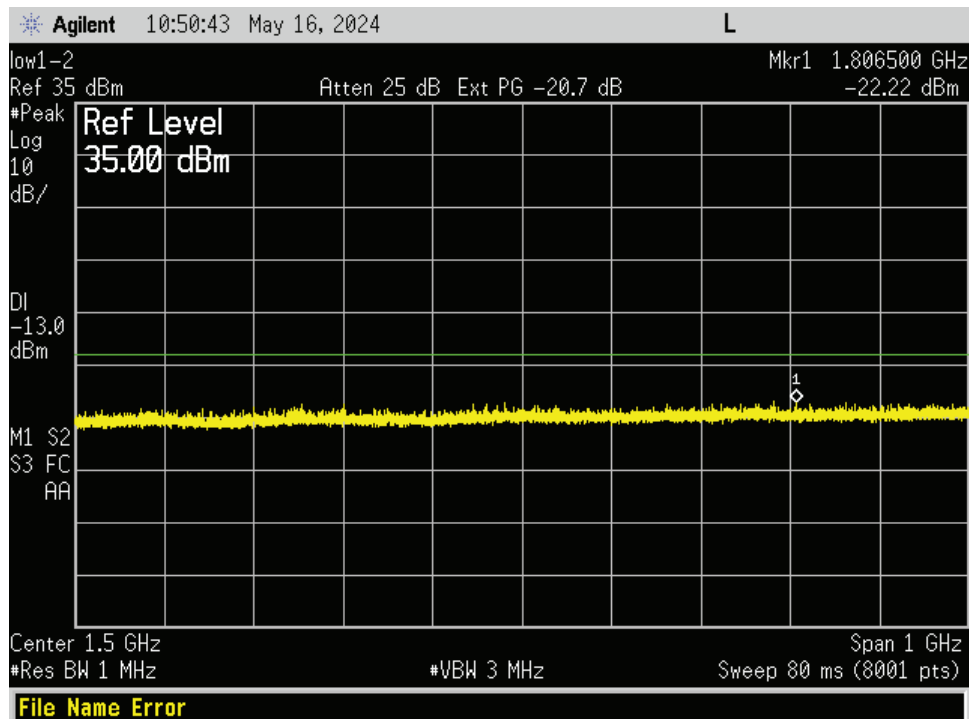


Figure 274. 150 MHz, 1 - 2 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

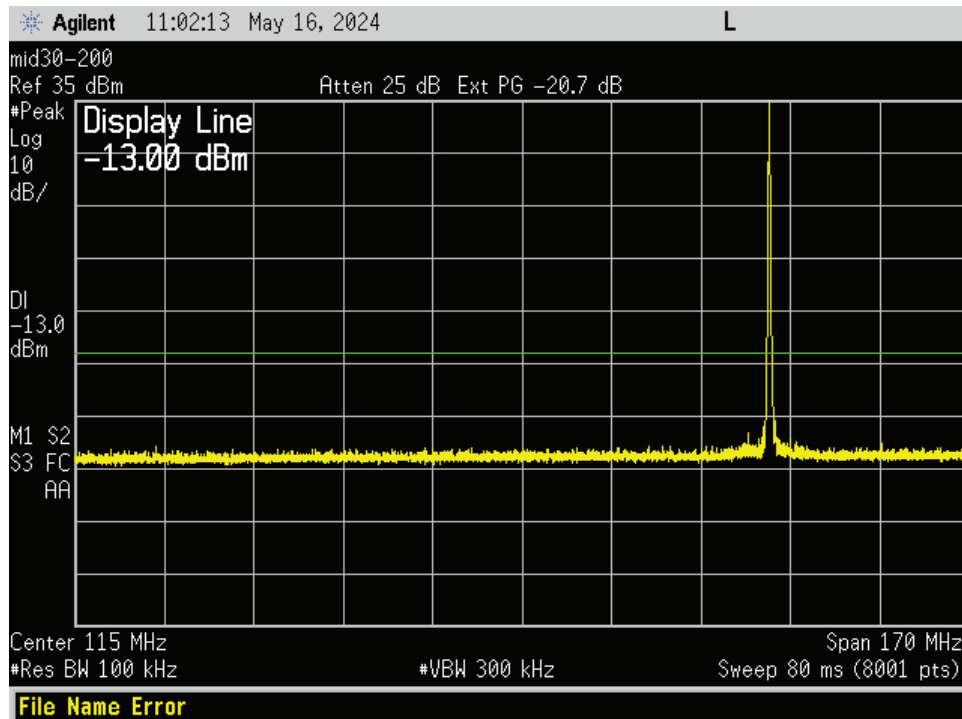


Figure 275. 162 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

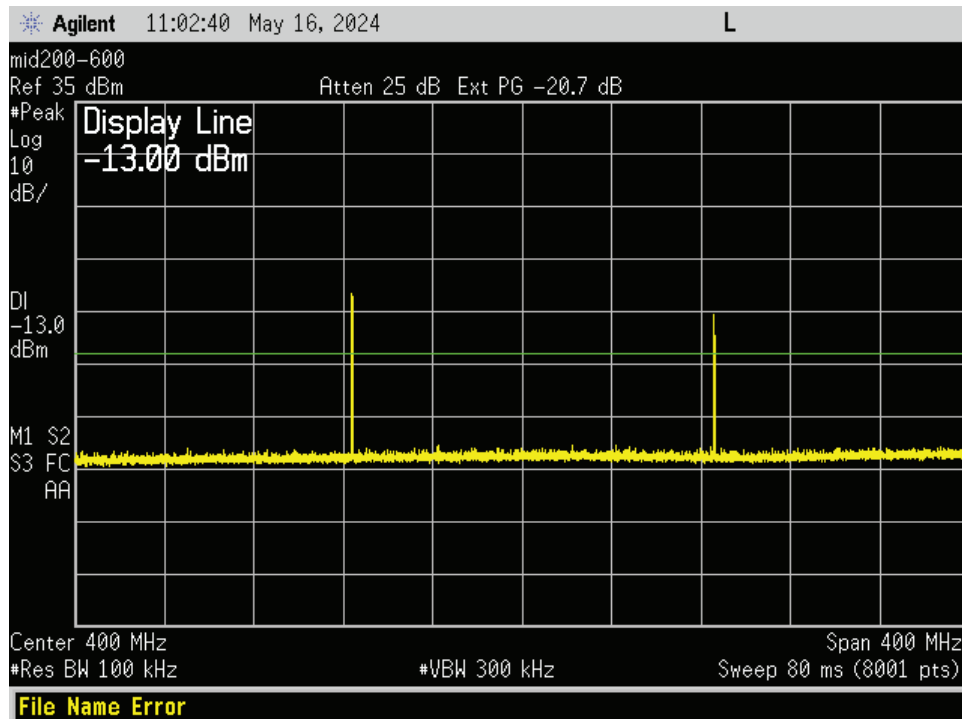


Figure 276. 162 MHz, 200 - 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

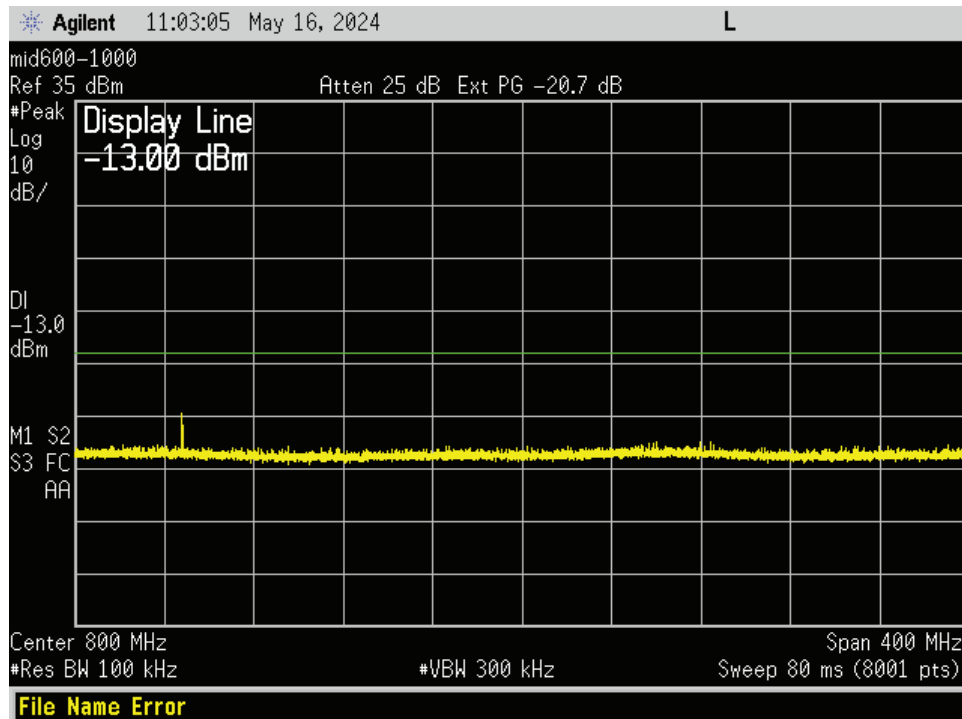


Figure 277. 162 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

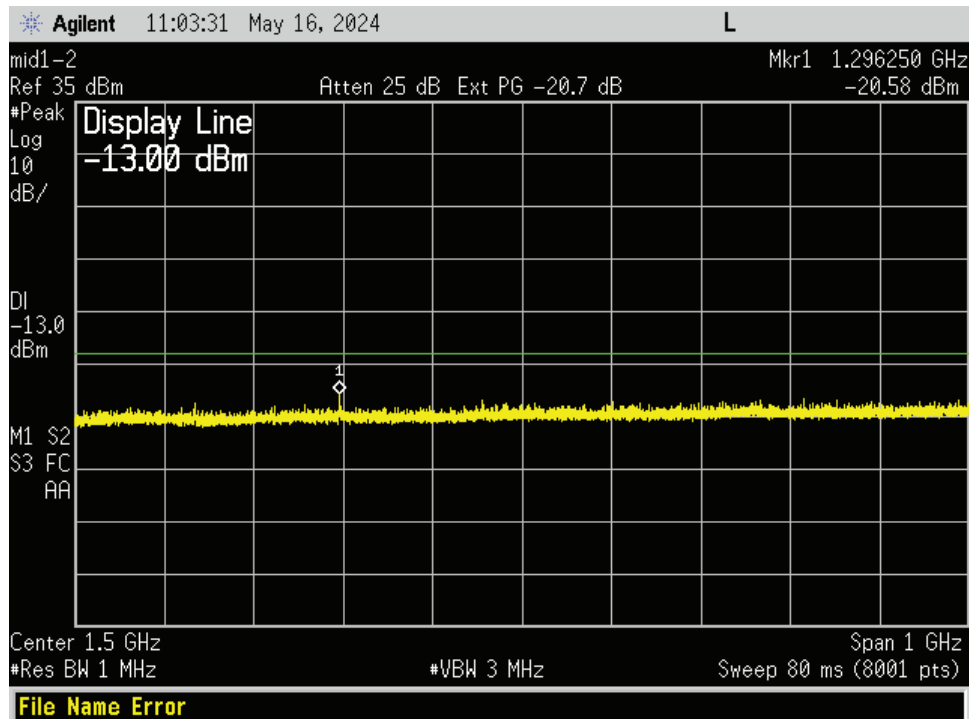


Figure 278. 162 MHz, 1 - 2 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

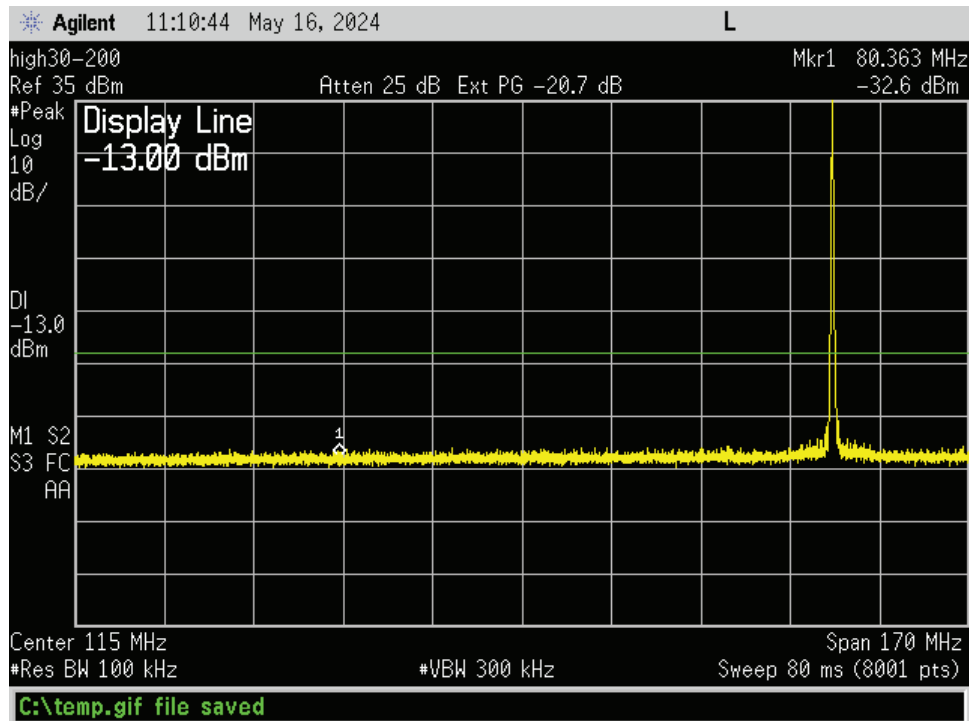


Figure 279. 174 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

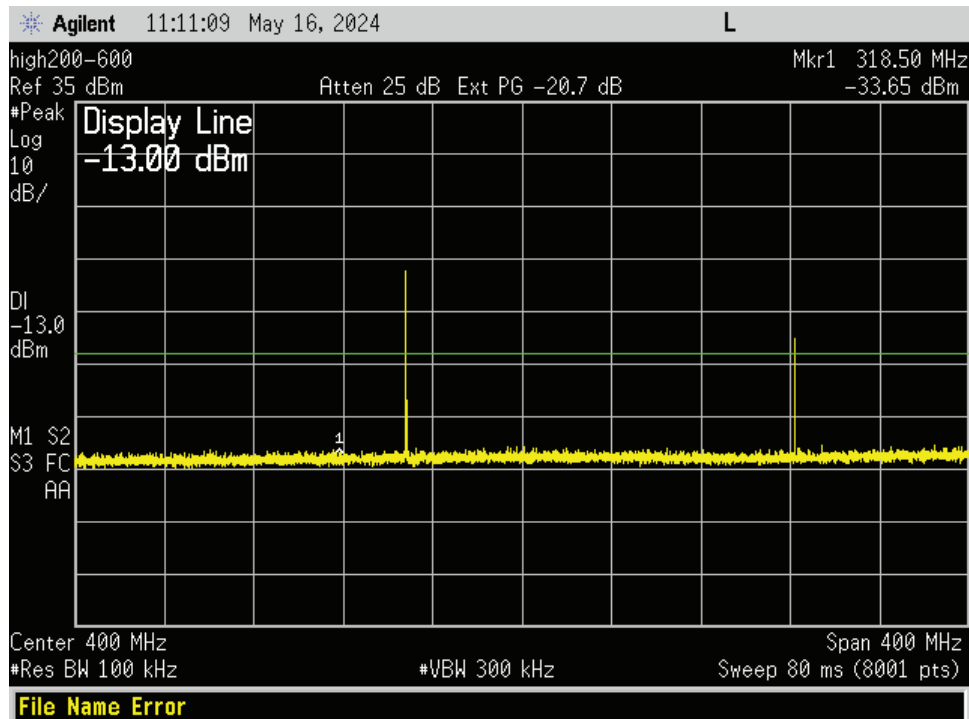


Figure 280. 174 MHz, 200 - 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

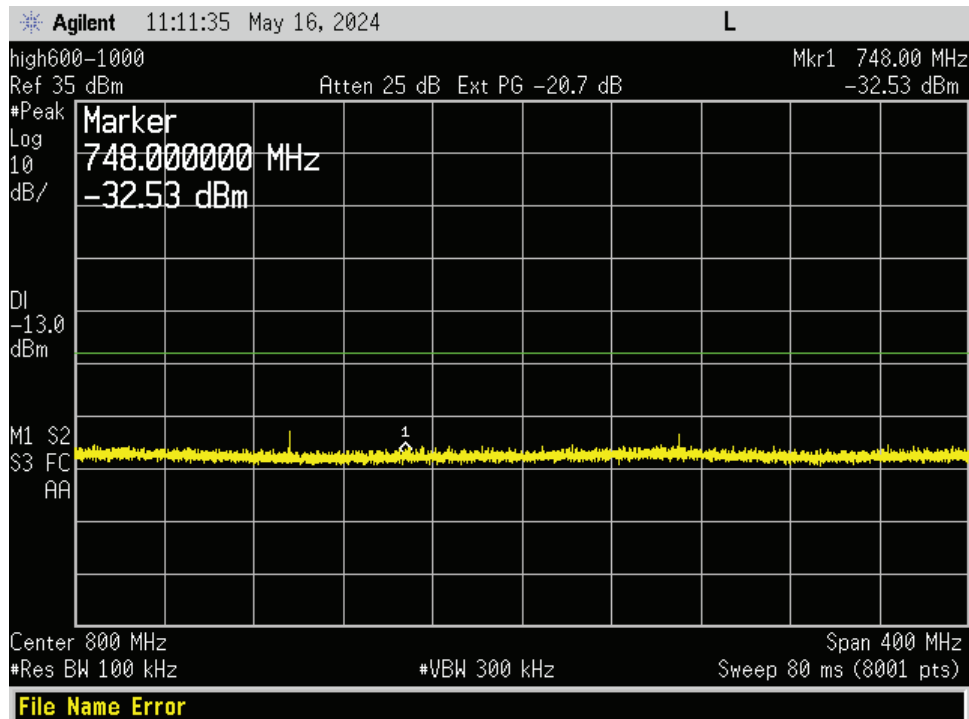


Figure 281. 174 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

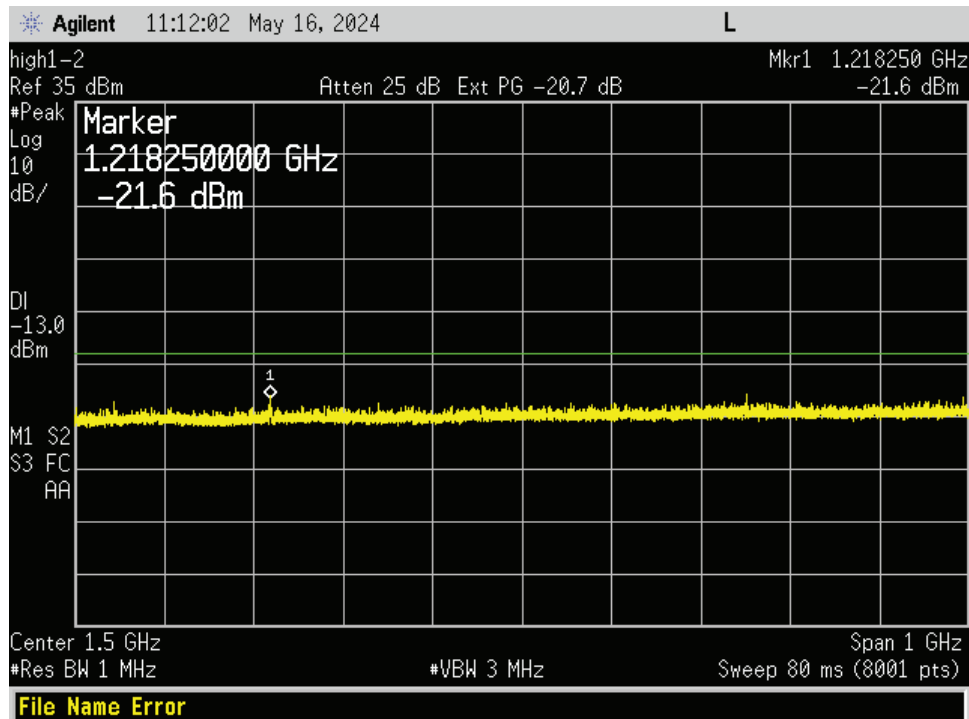


Figure 282. 174 MHz, 1 - 2 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.12.2.2 UHF Conducted Spurious Emissions

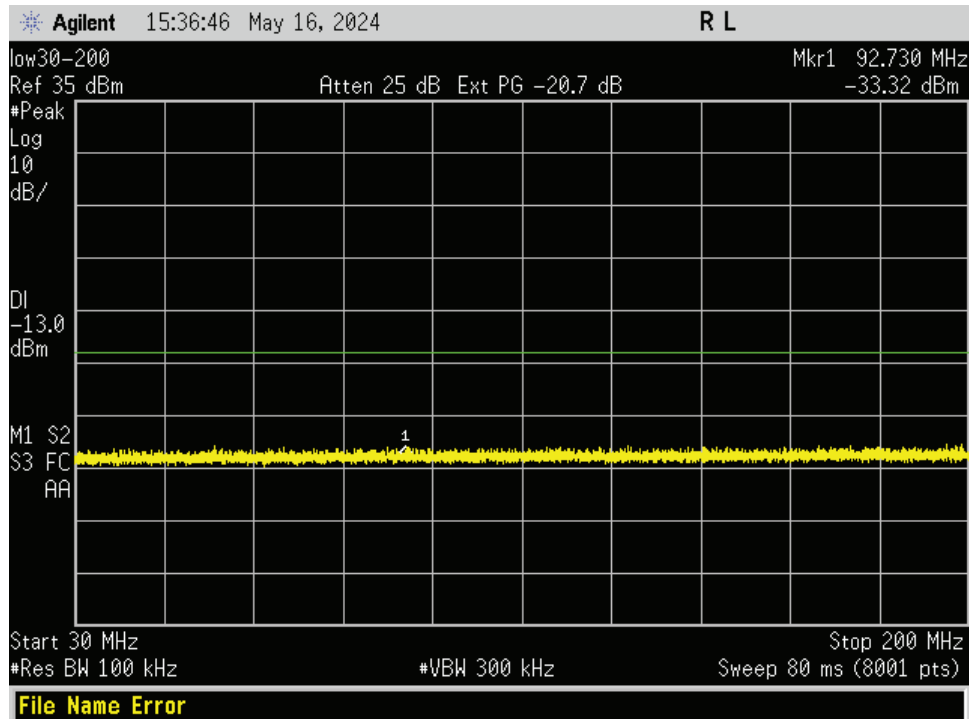


Figure 283. 407 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

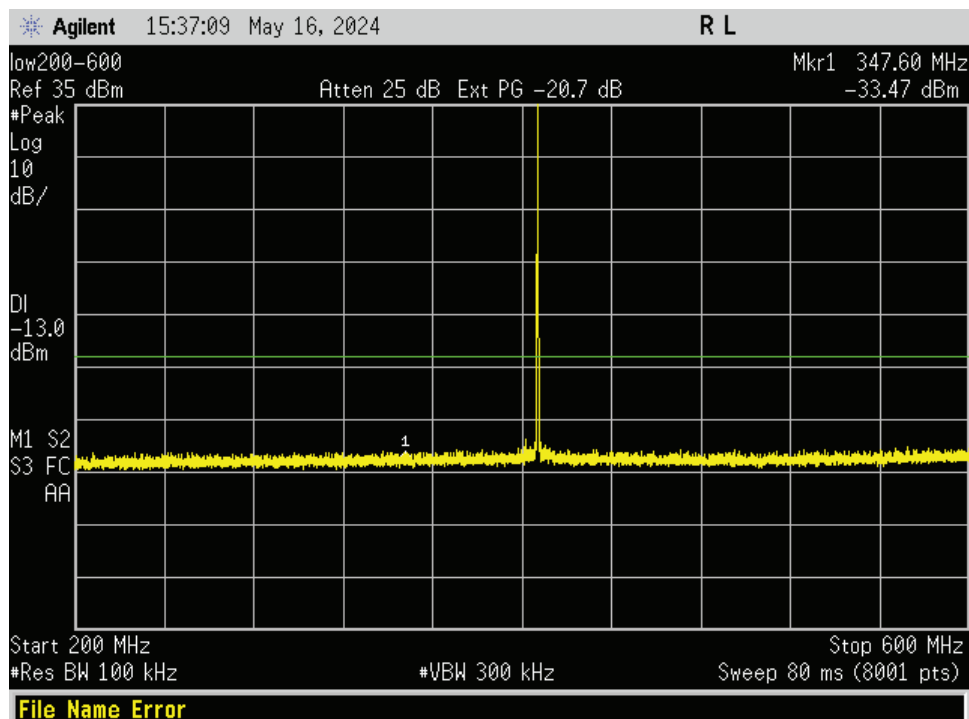


Figure 284. 407 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

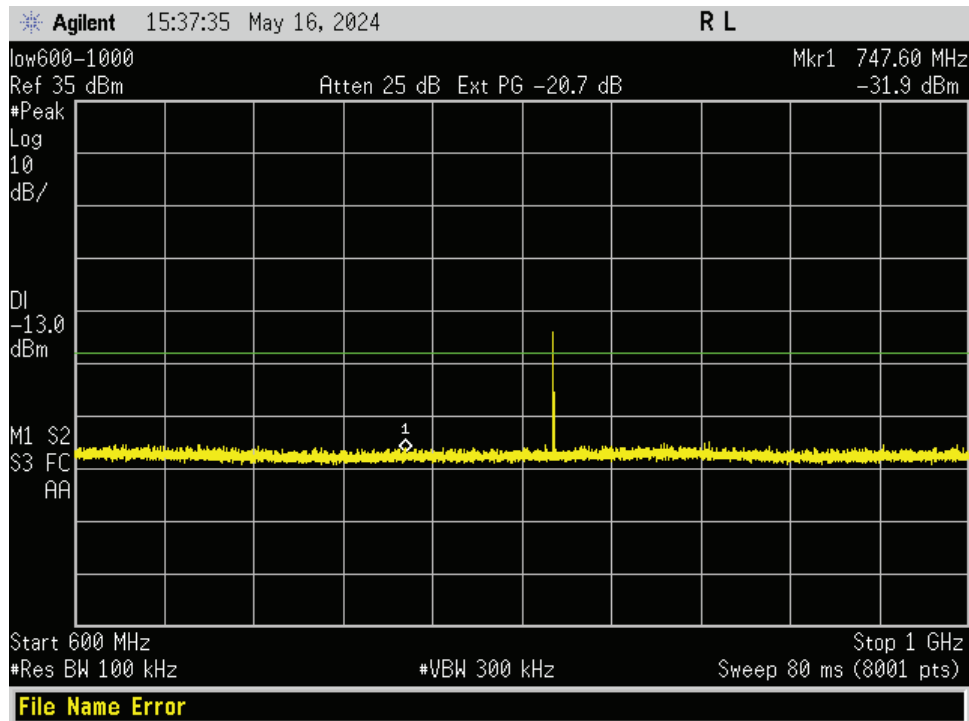


Figure 285. 407 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

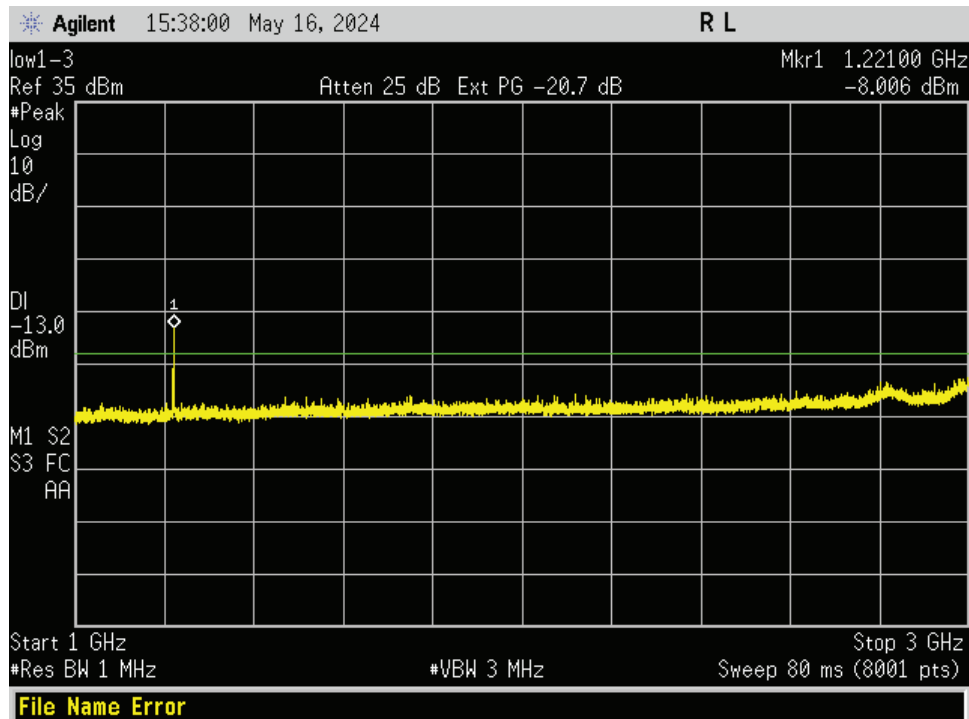


Figure 286. 407 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

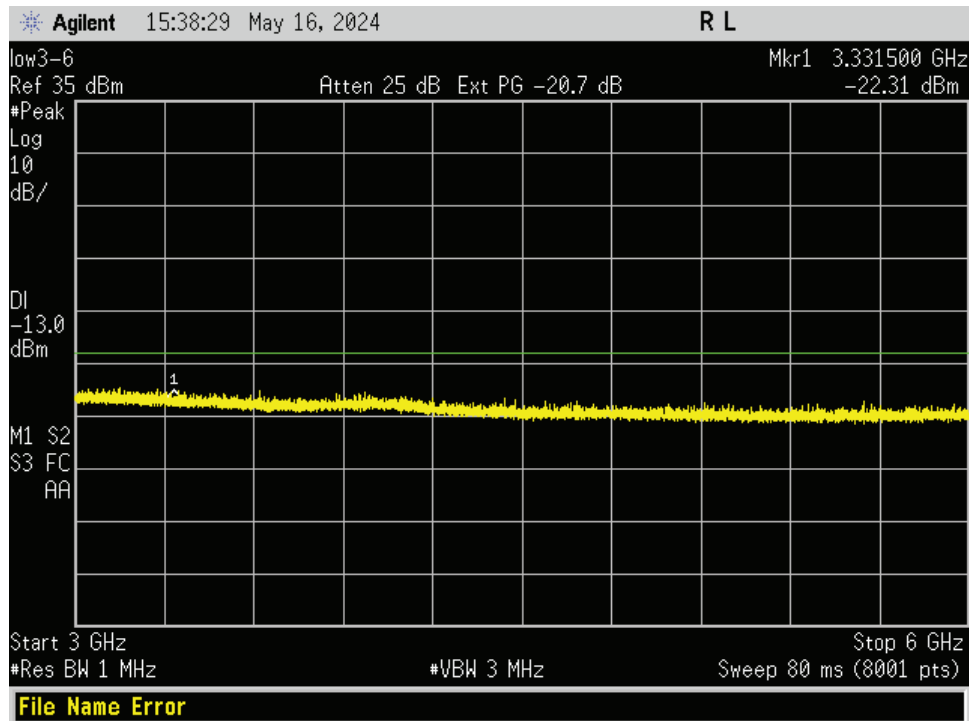


Figure 287. 407 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

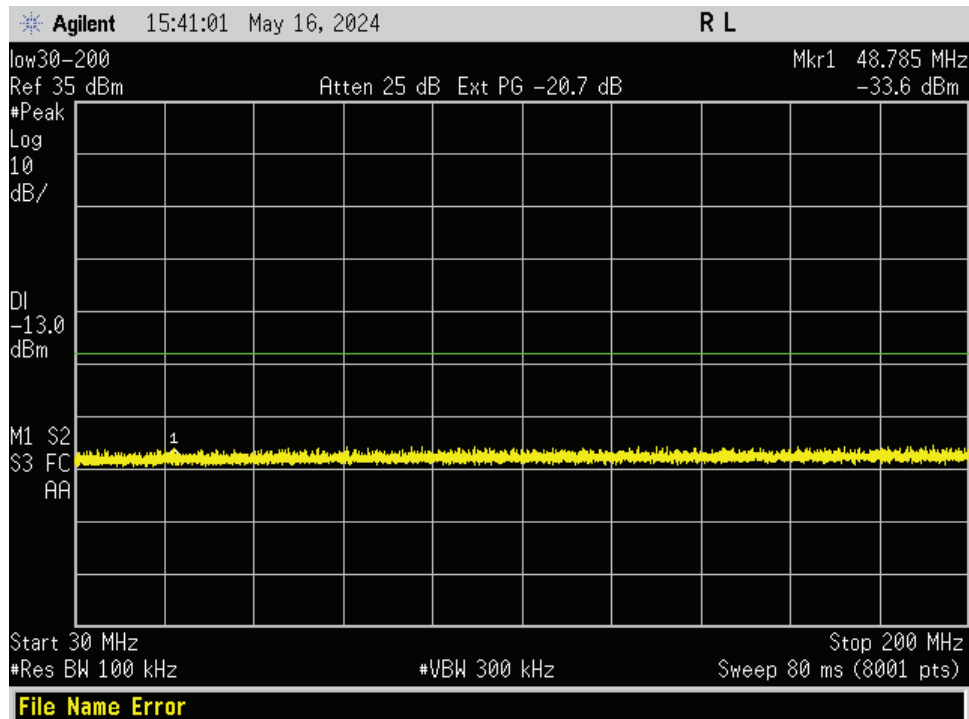


Figure 288. 421 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

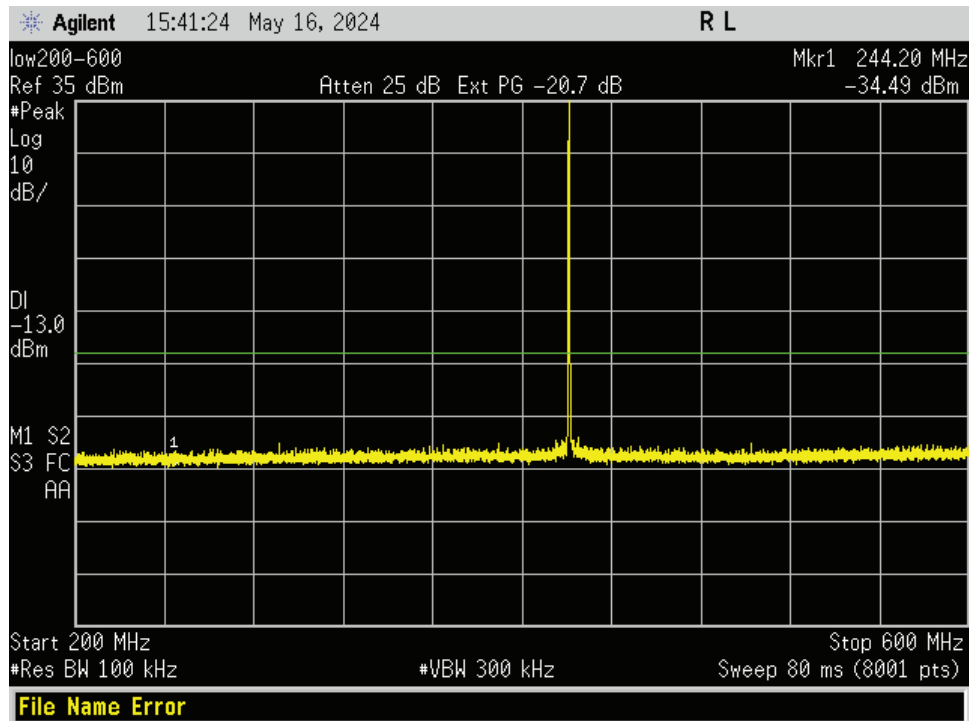


Figure 289. 421 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

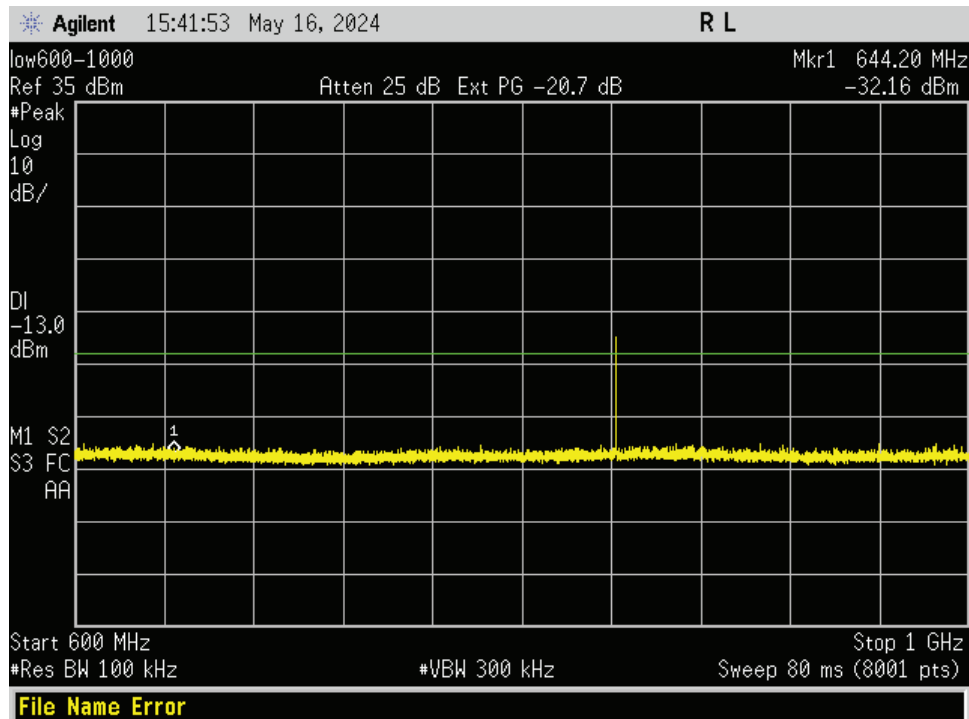


Figure 290. 421 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

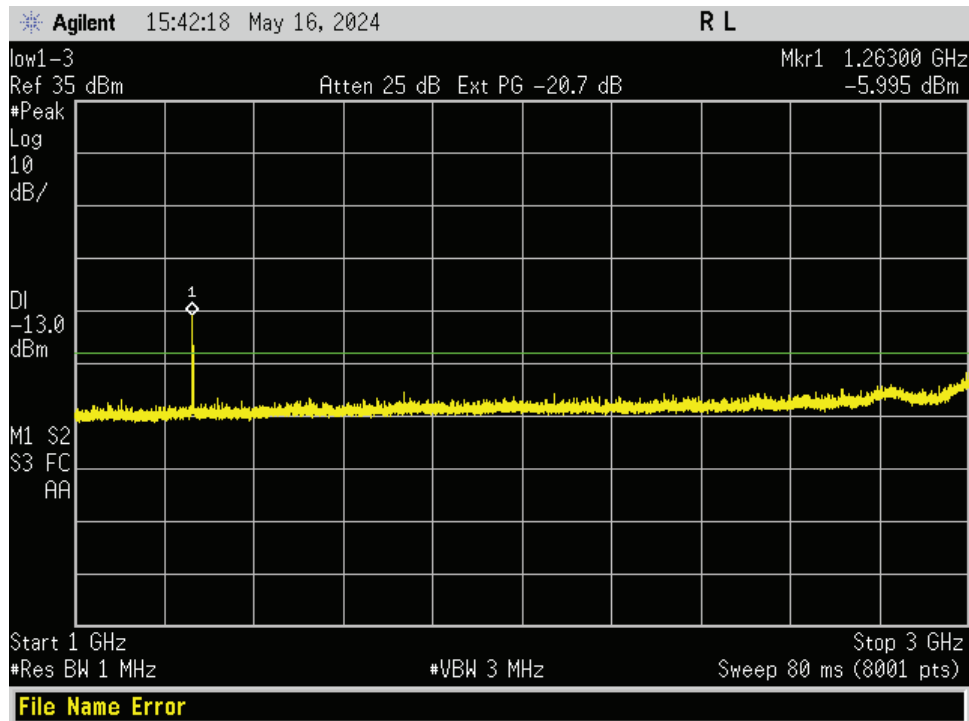


Figure 291. 421 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

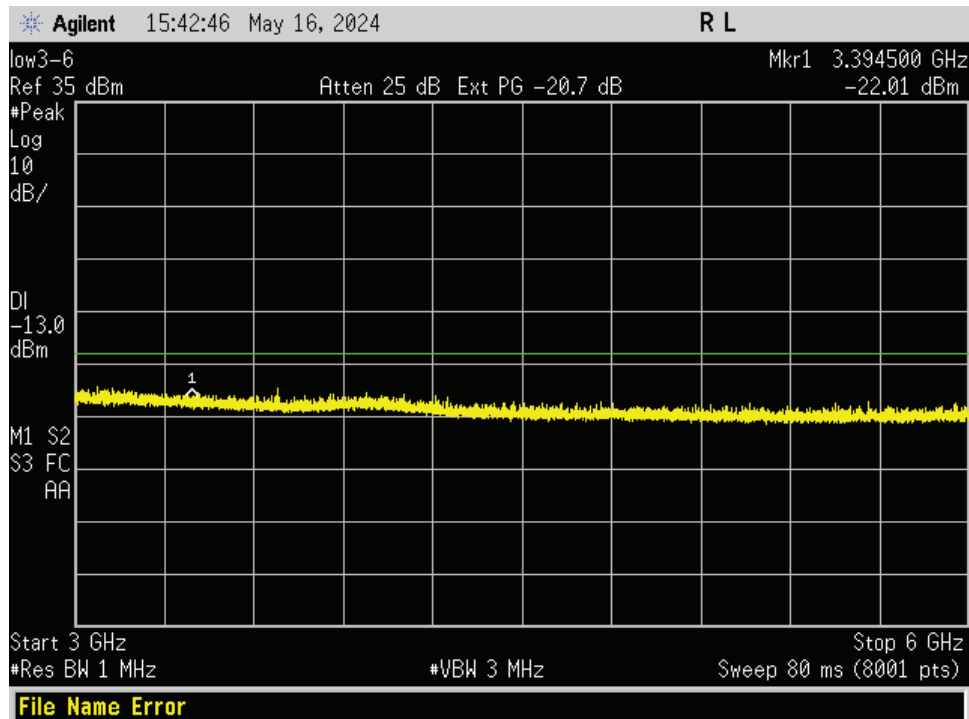


Figure 292. 421 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

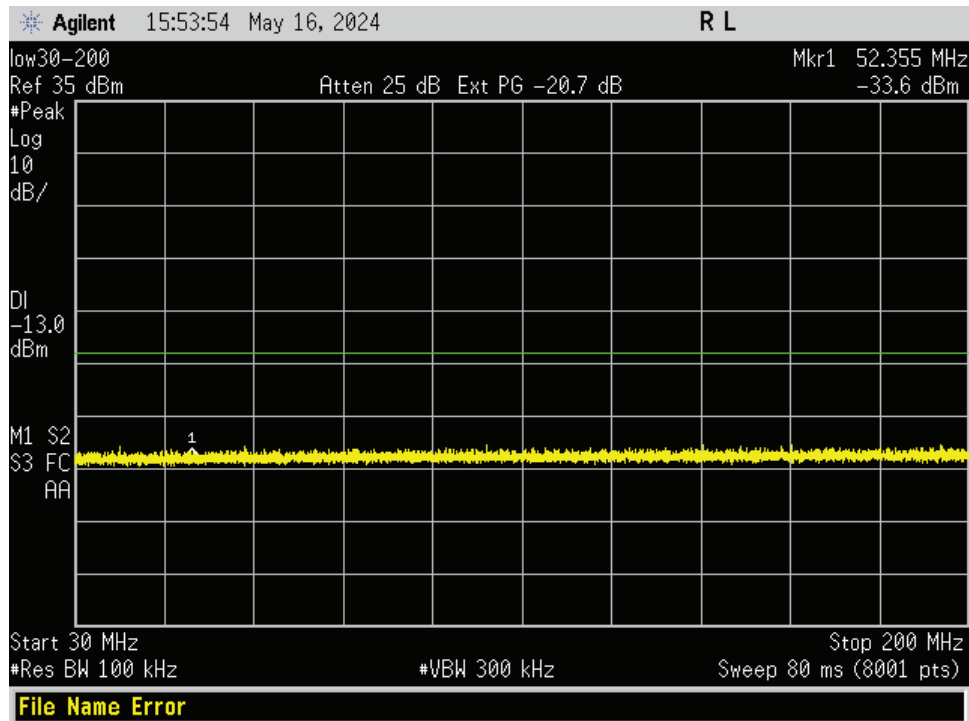


Figure 293. 480 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

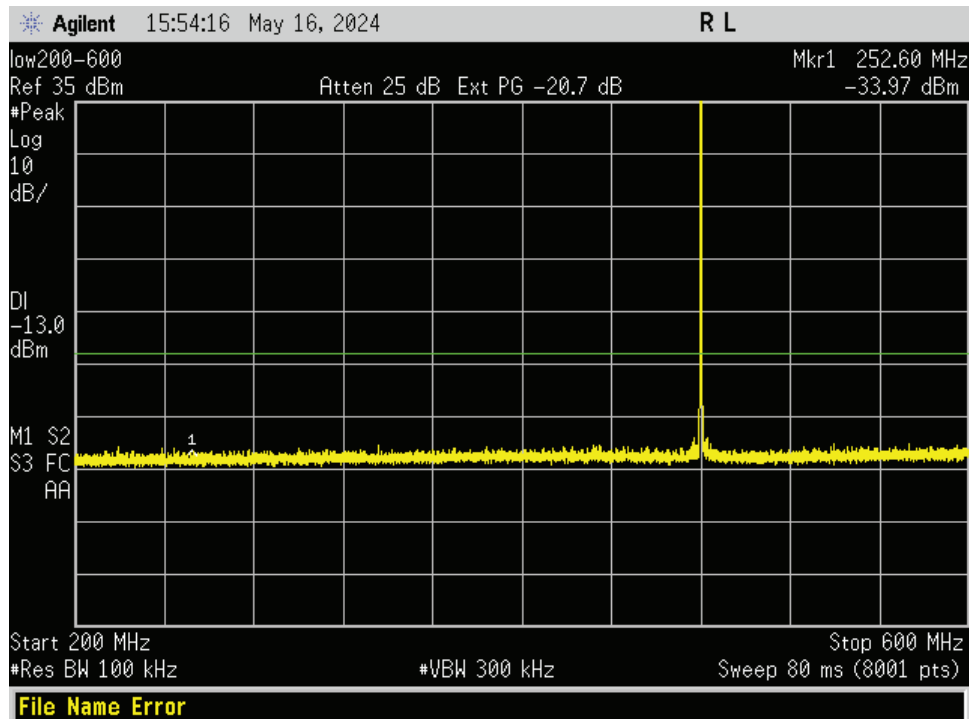


Figure 294. 480 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

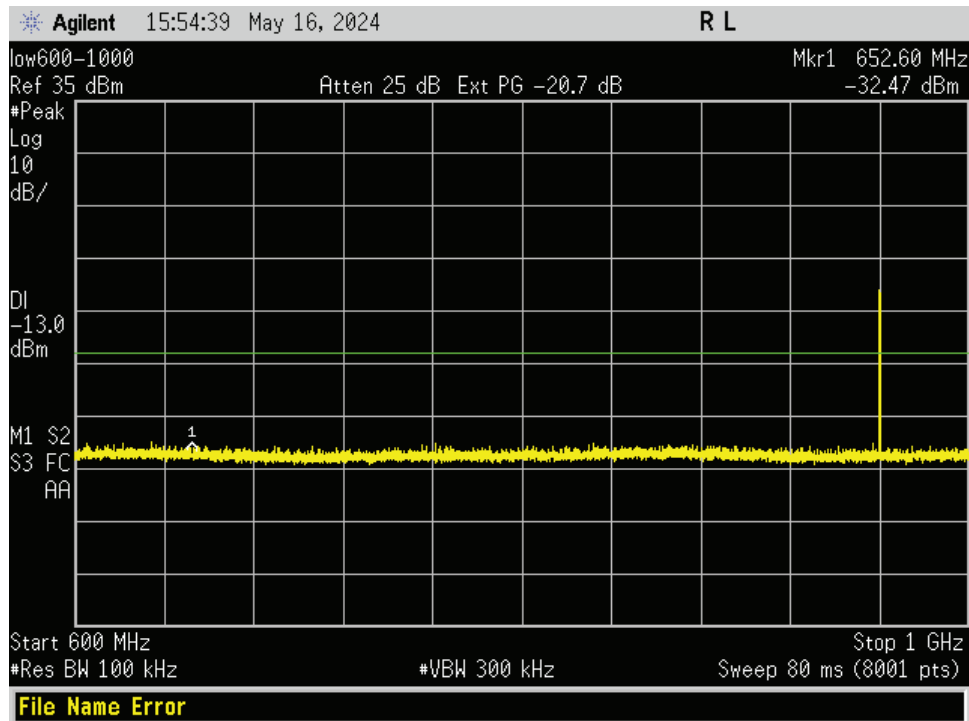


Figure 295. 480 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

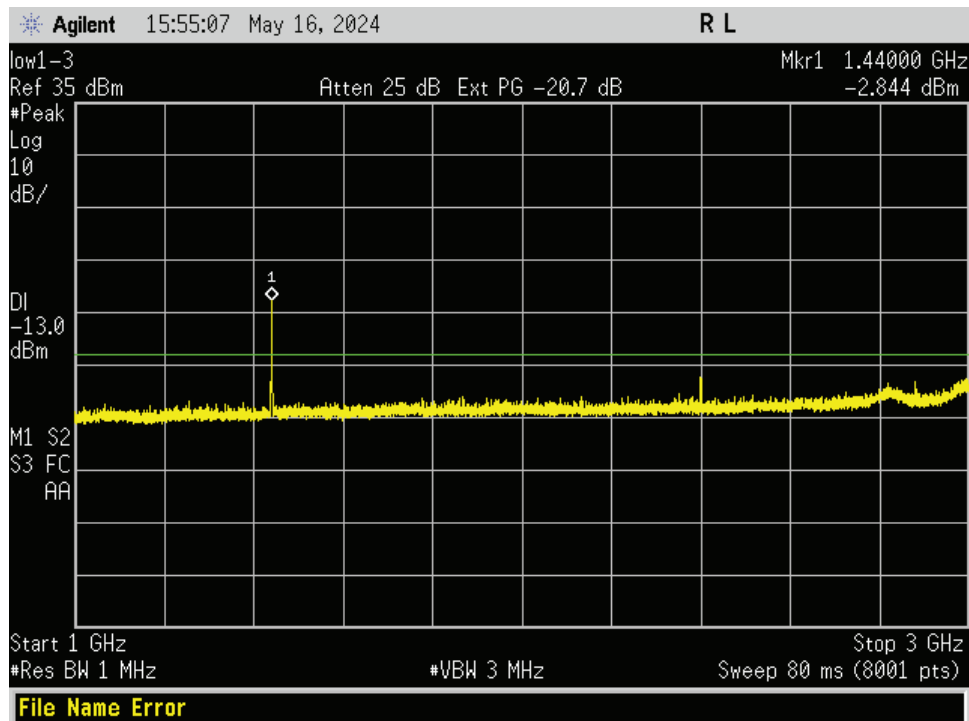


Figure 296. 480 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

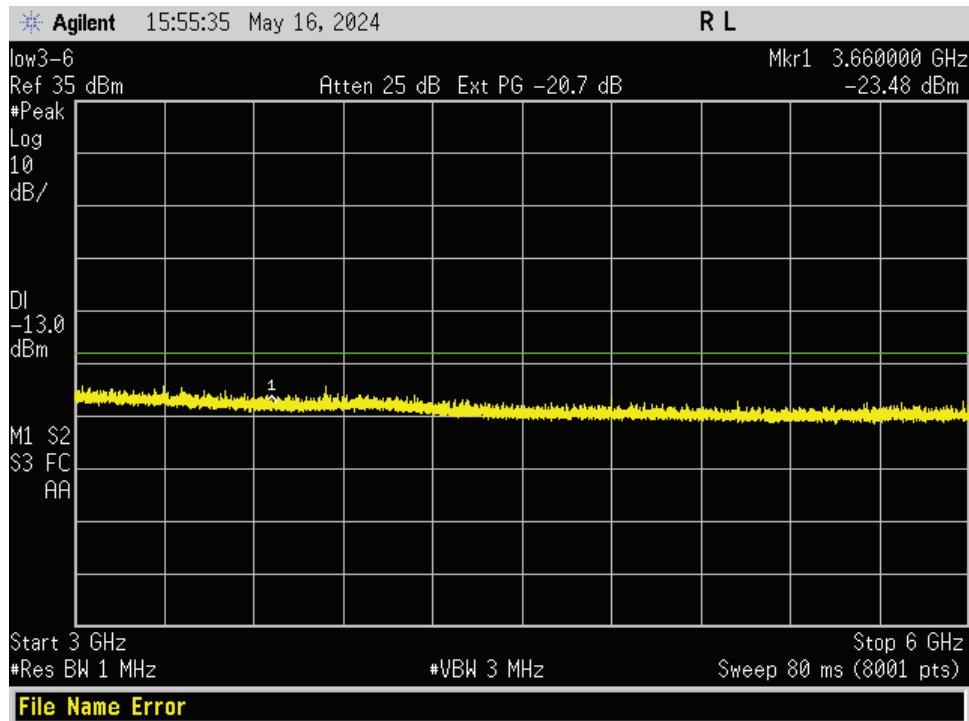


Figure 297. 480 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

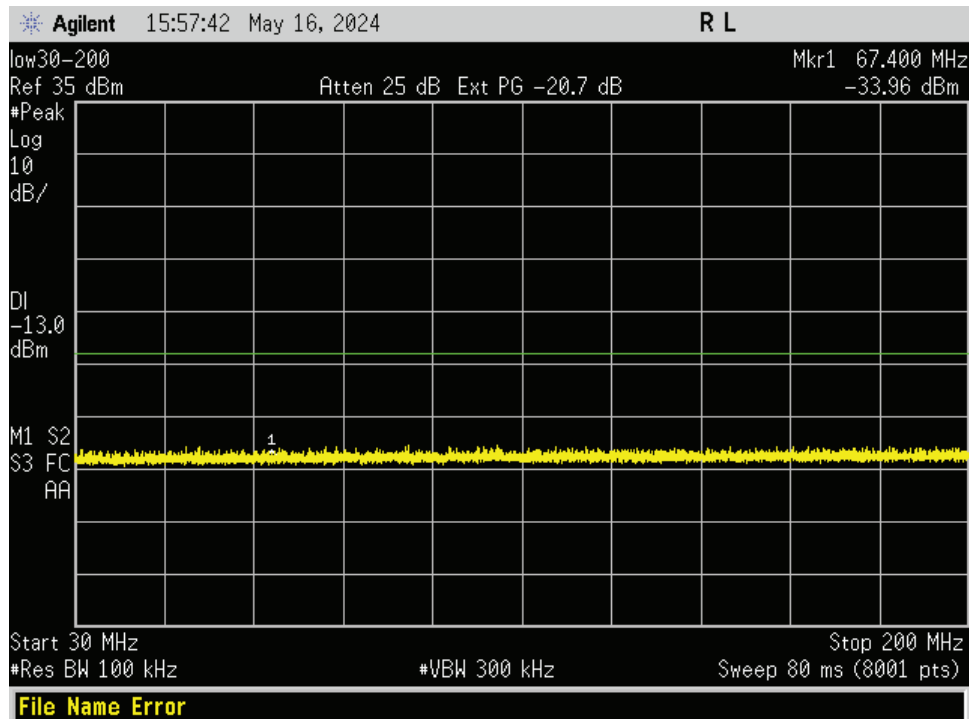


Figure 298. 512 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

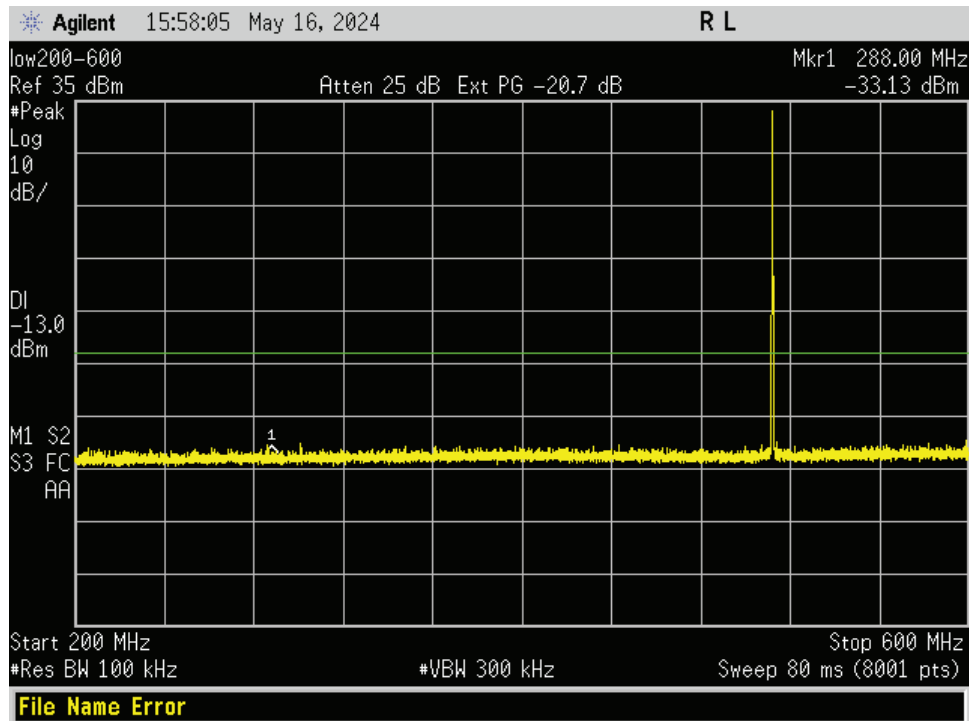


Figure 299. 512 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

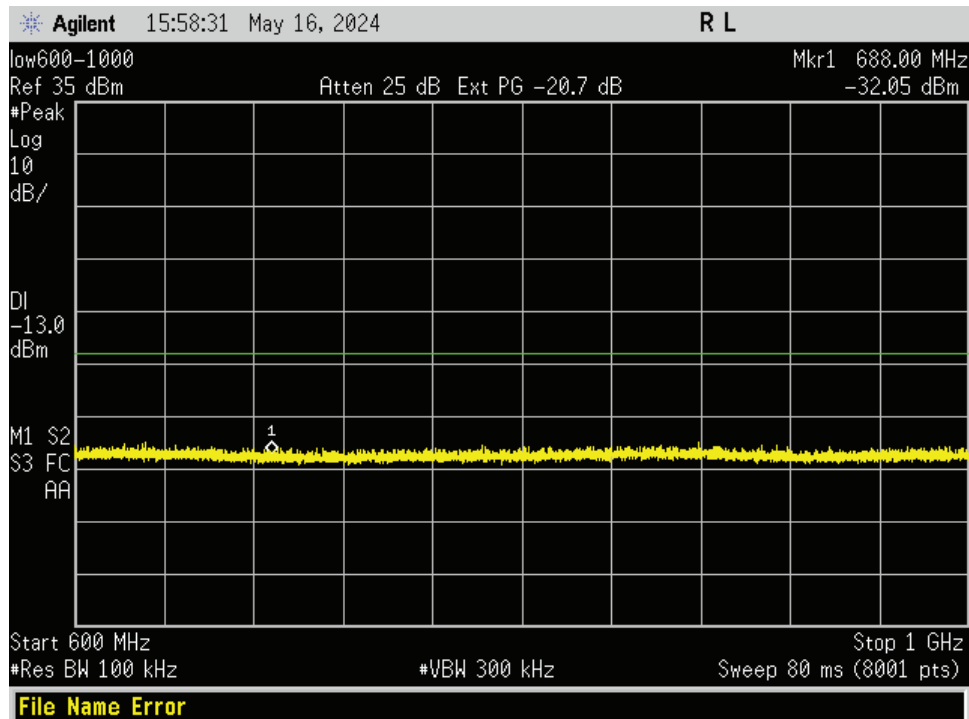


Figure 300. 512 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

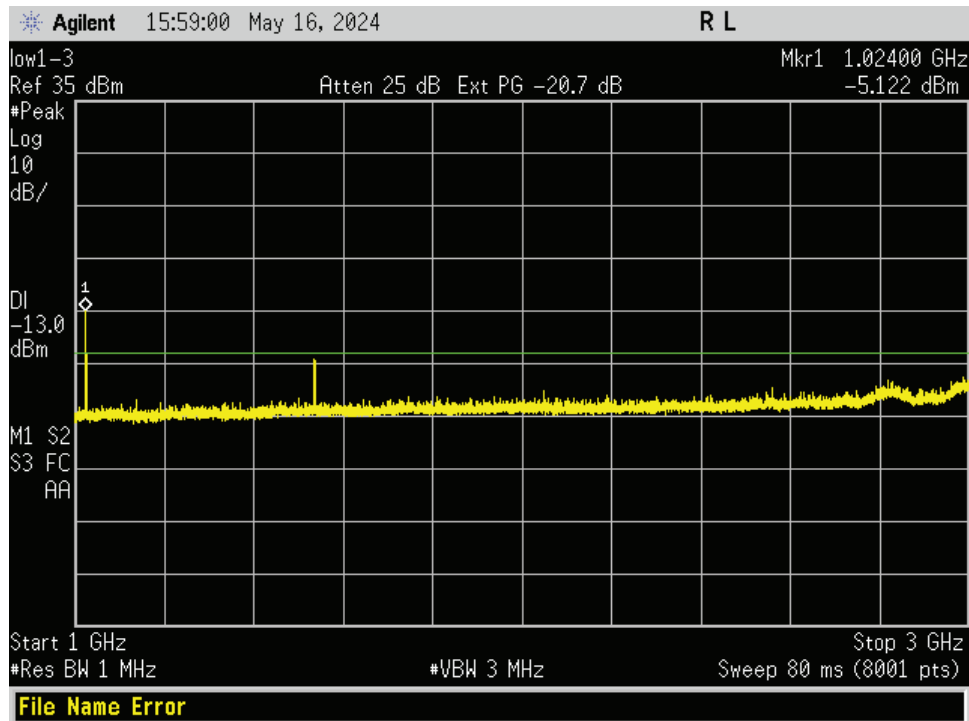


Figure 301. 512 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

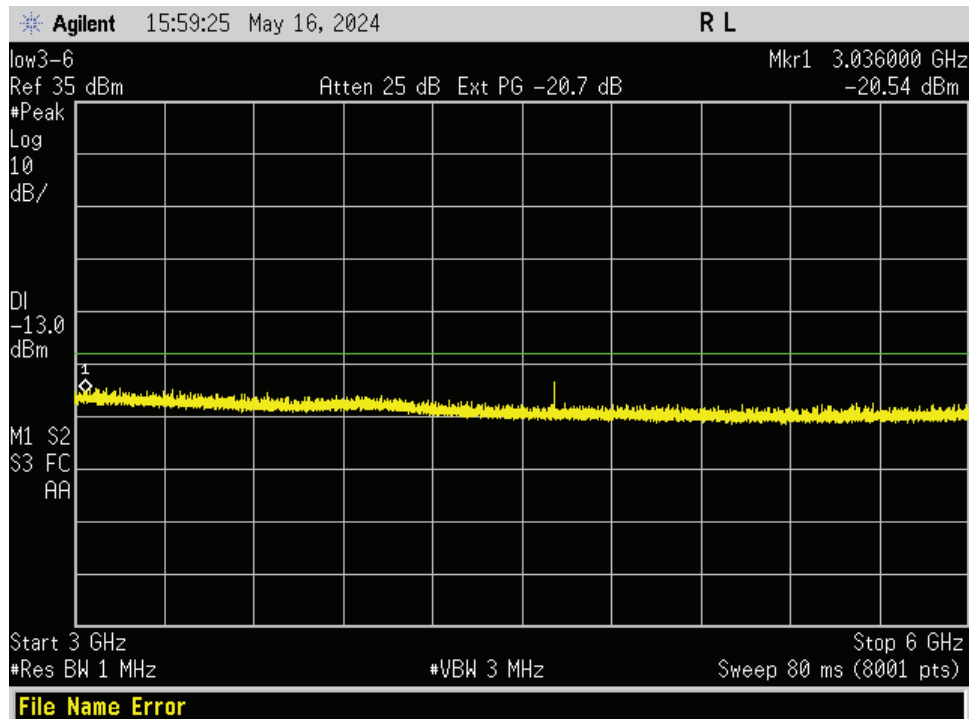


Figure 302. 512 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.12.2.3 700 MHz Conducted Spurious Emissions

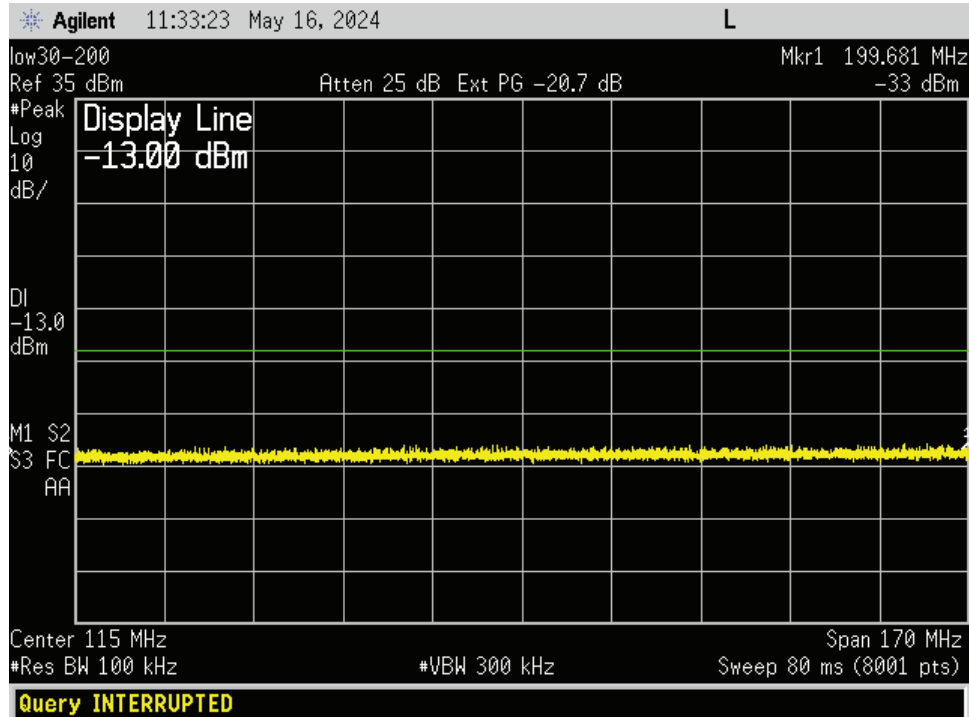


Figure 303. 758 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

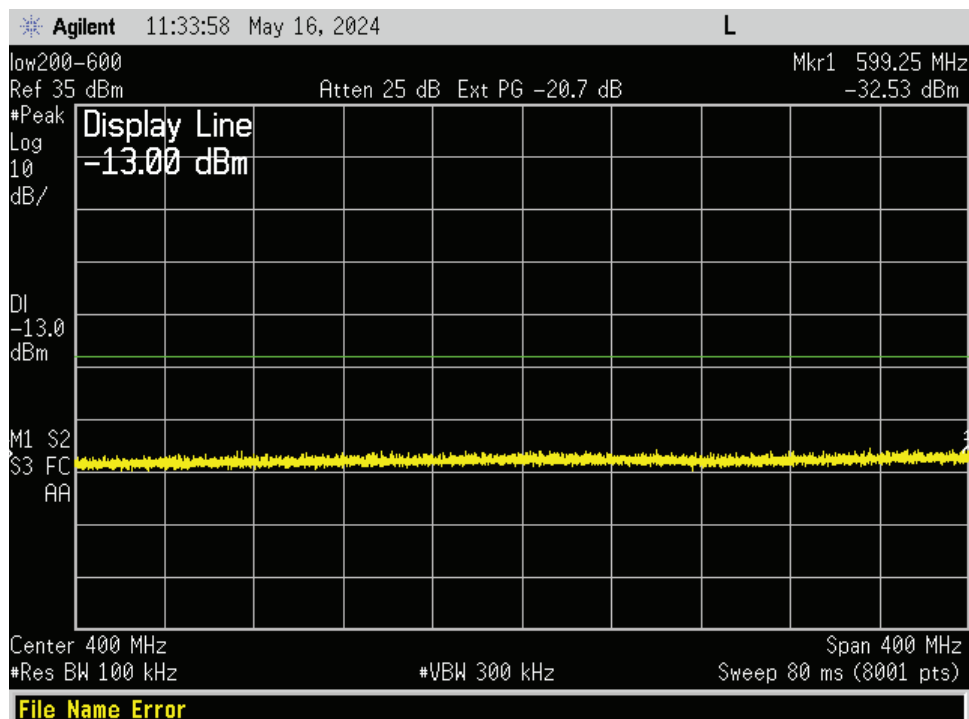


Figure 304. 758 MHz, 200 - 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

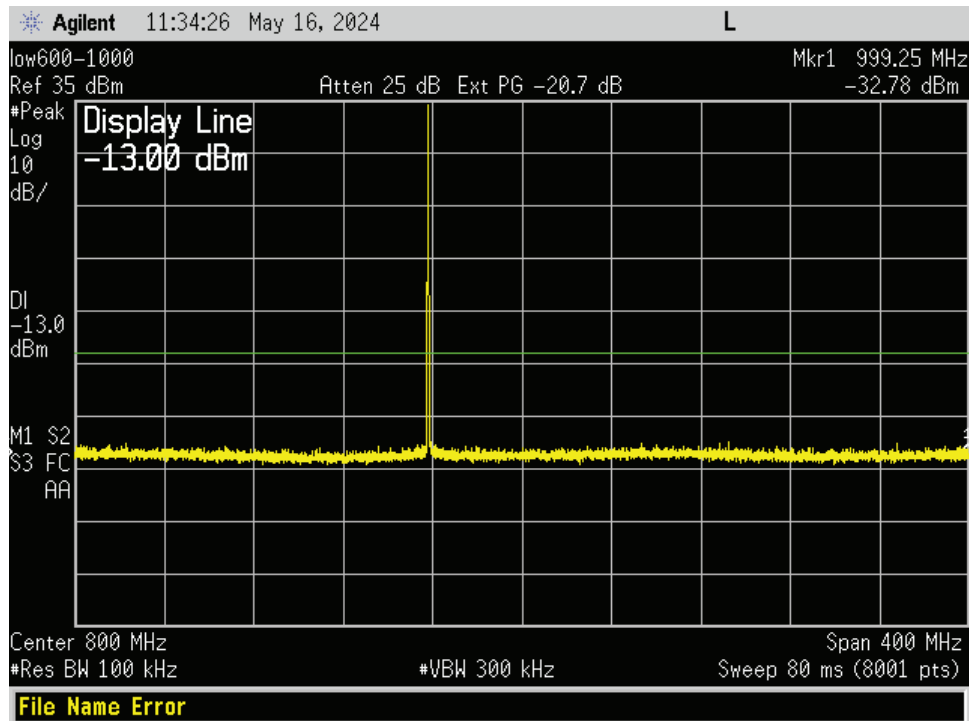


Figure 305. 758 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

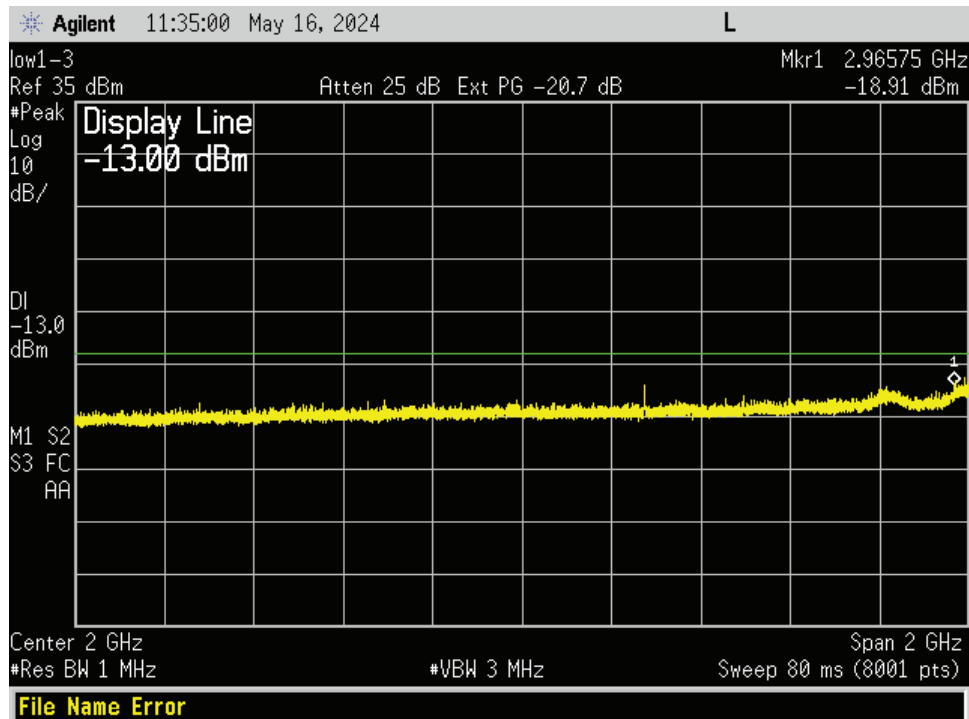


Figure 306. 758 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

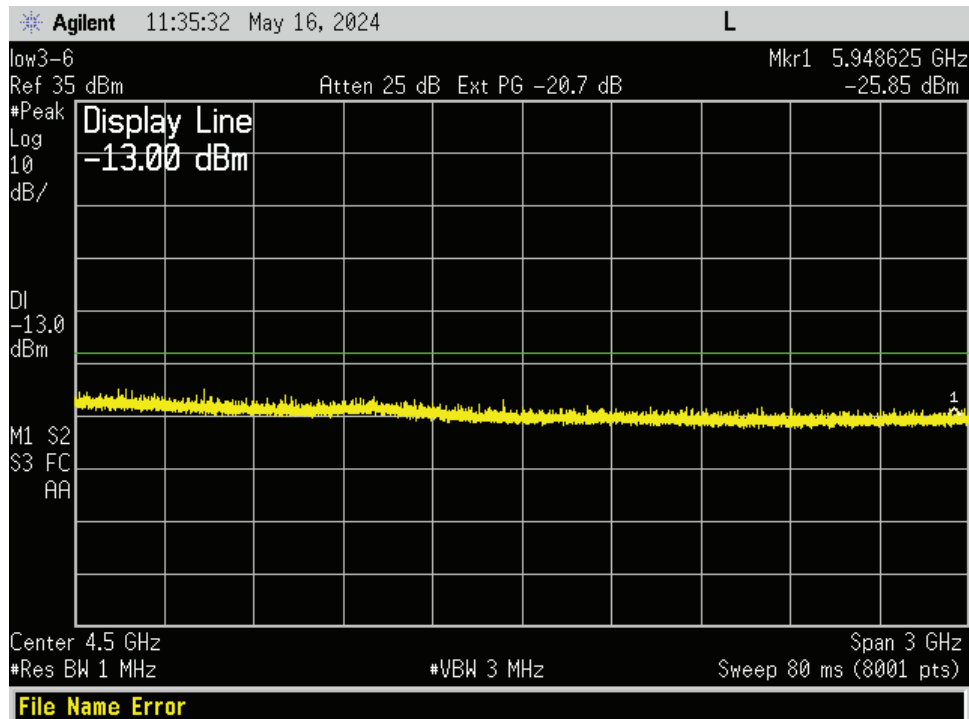


Figure 307. 758 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

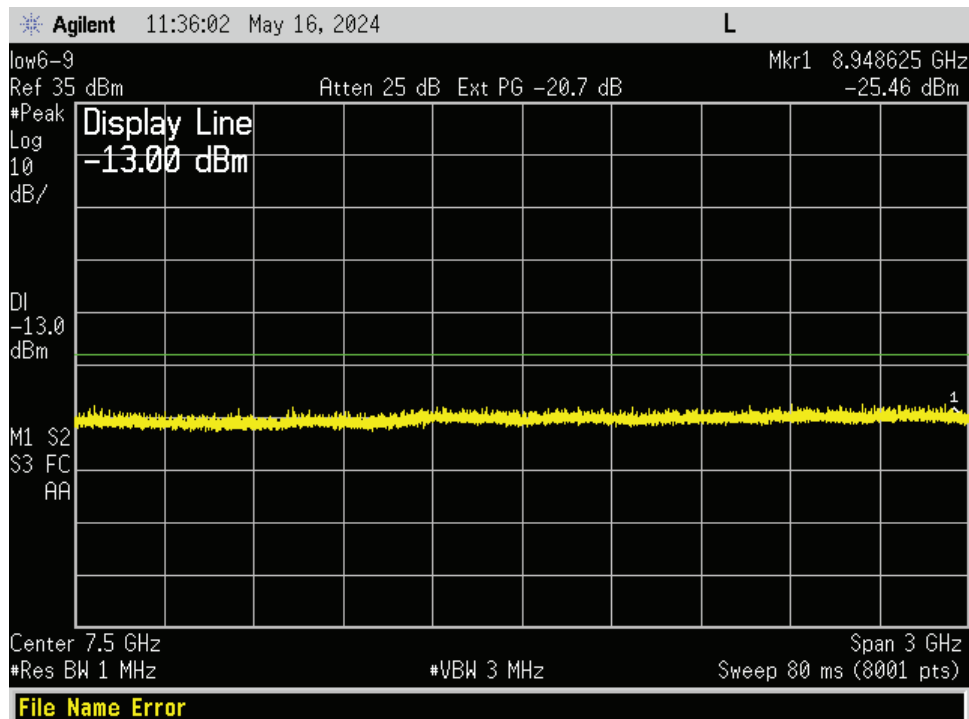


Figure 308. 758 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

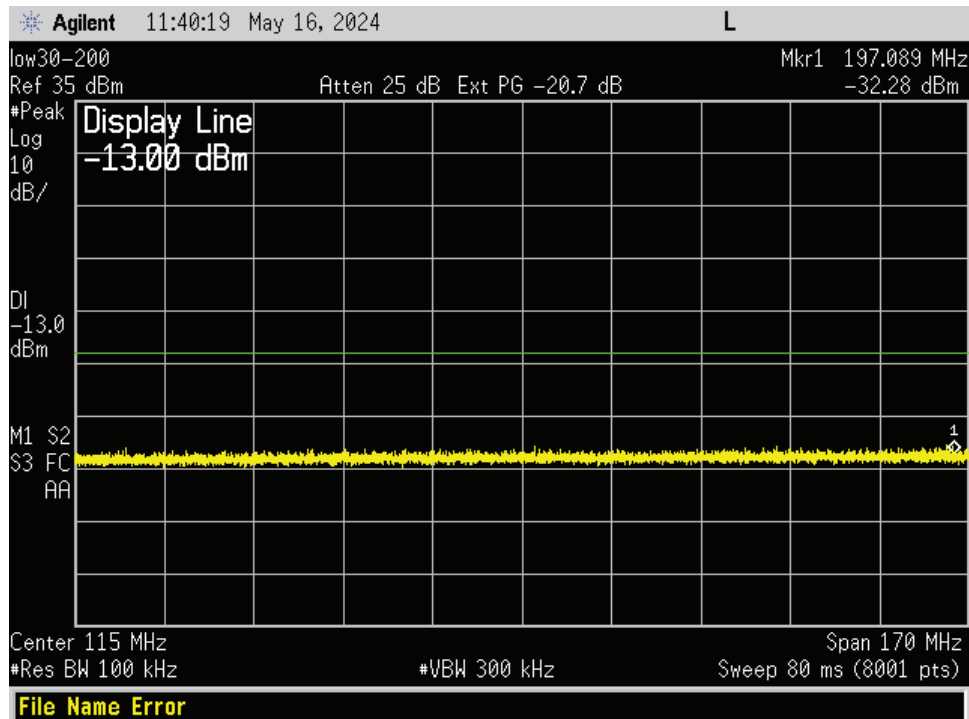


Figure 309. 763 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

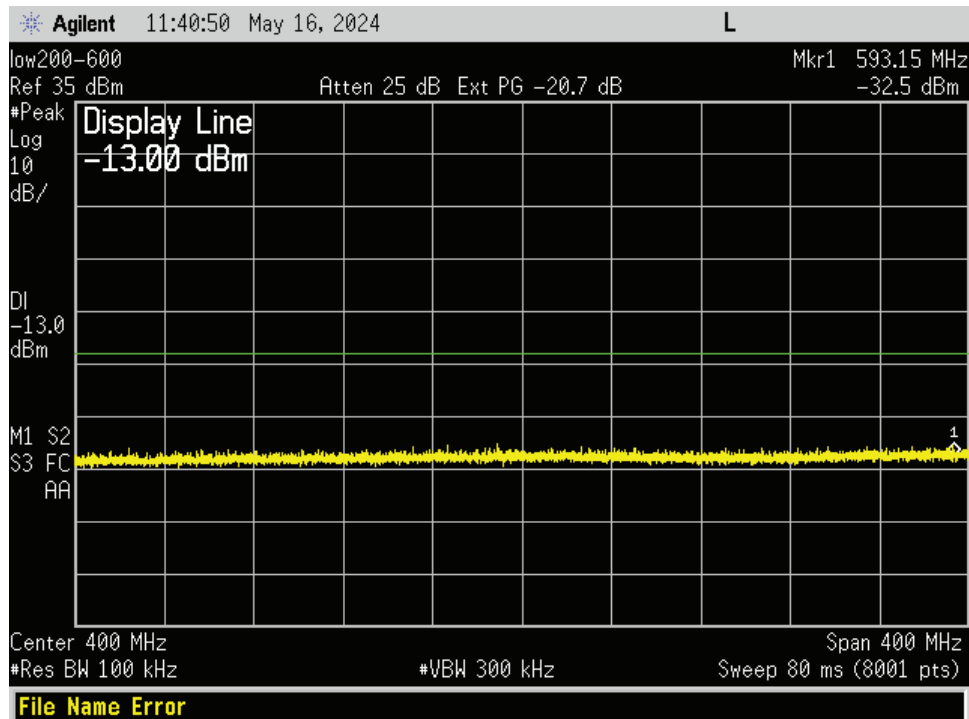


Figure 310. 763 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

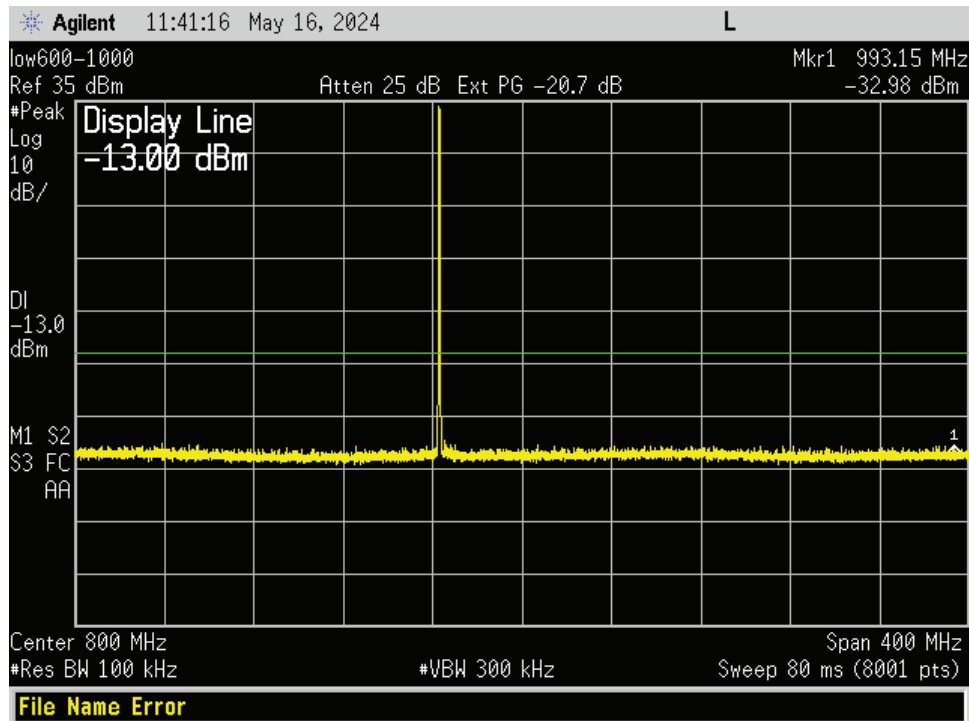


Figure 311. 763 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

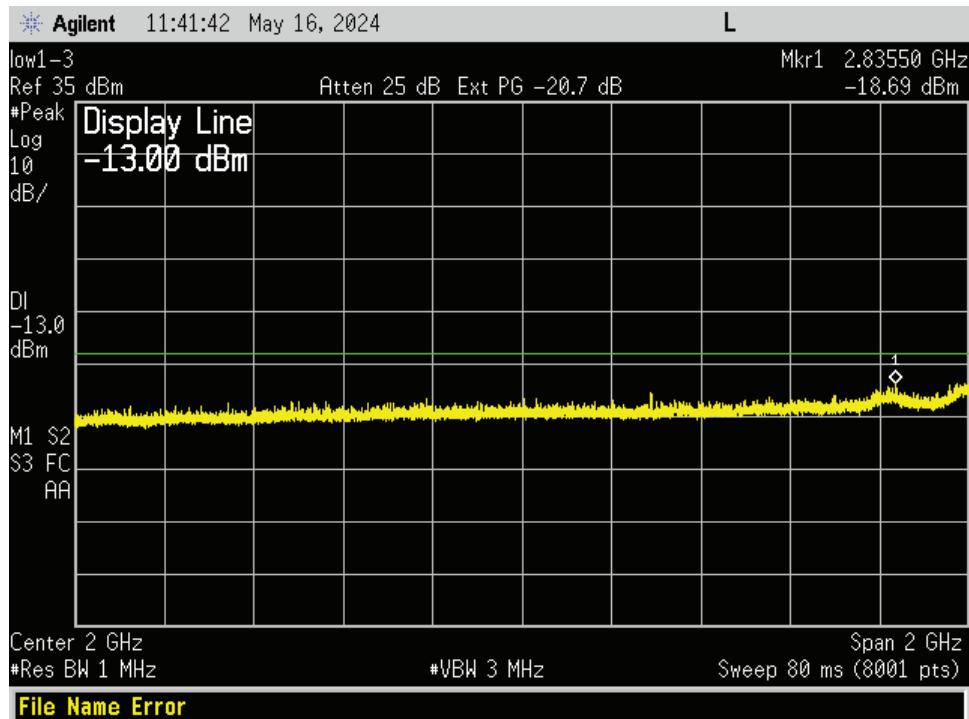


Figure 312. 763 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

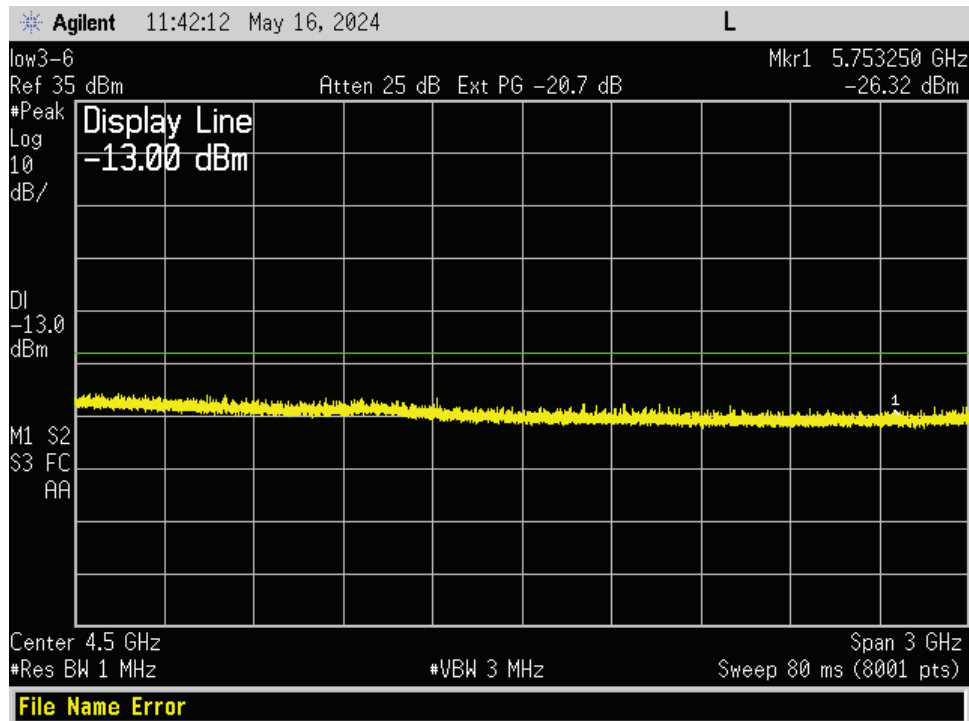


Figure 313. 763 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

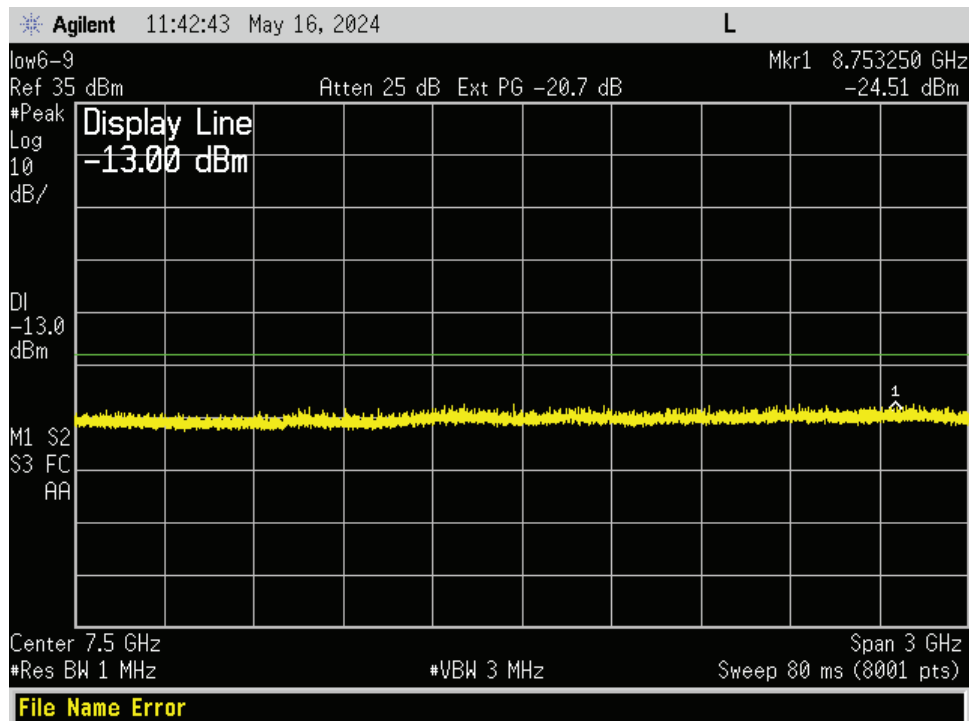


Figure 314. 763 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

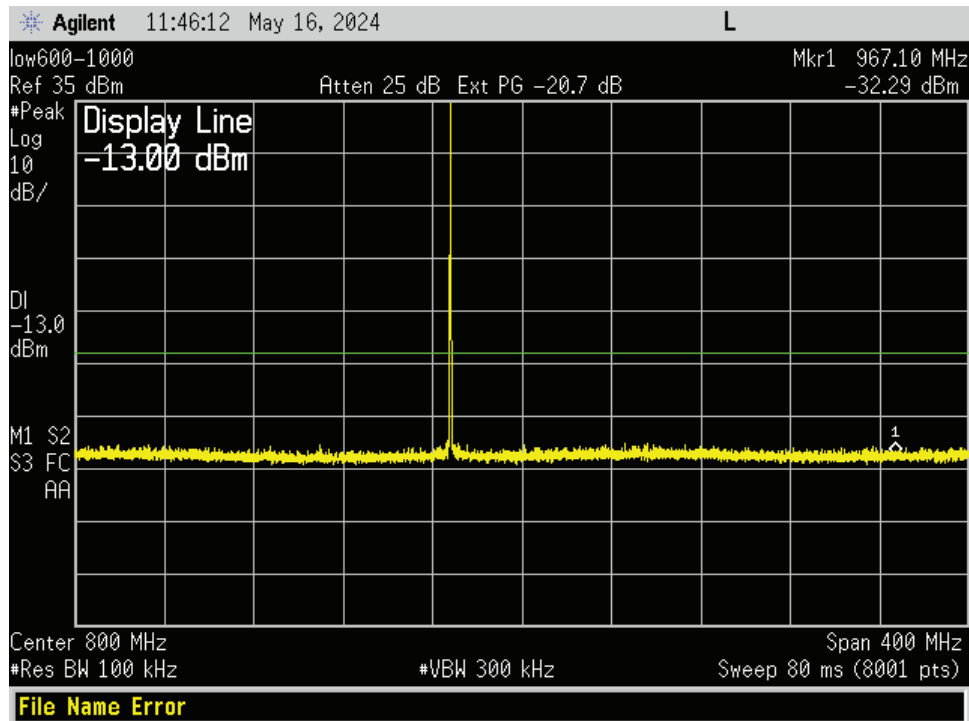


Figure 317. 768 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

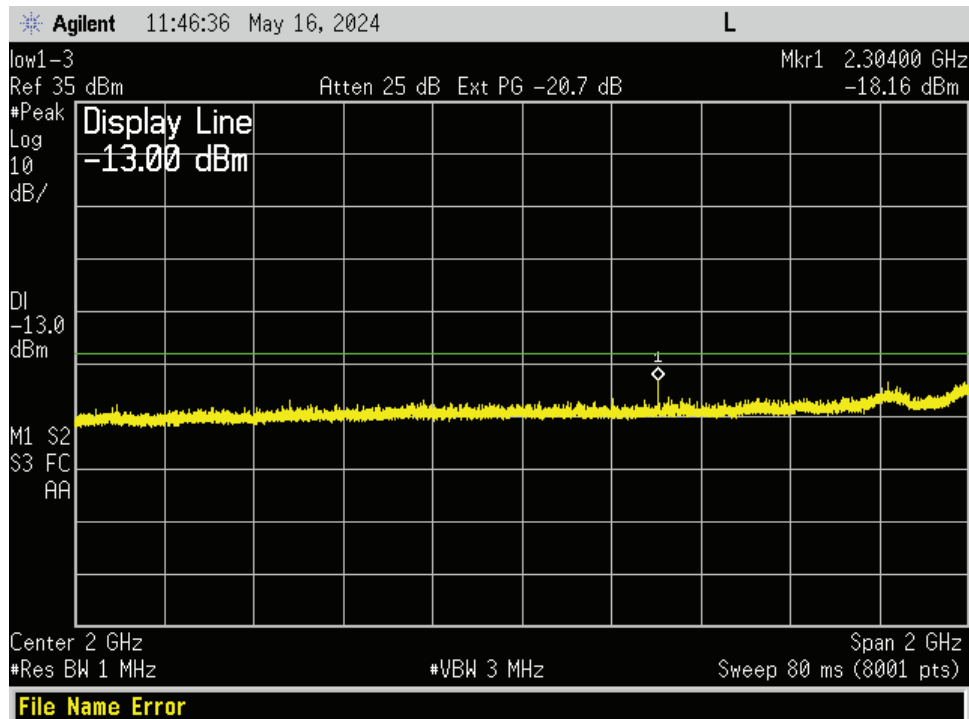


Figure 318. 768 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

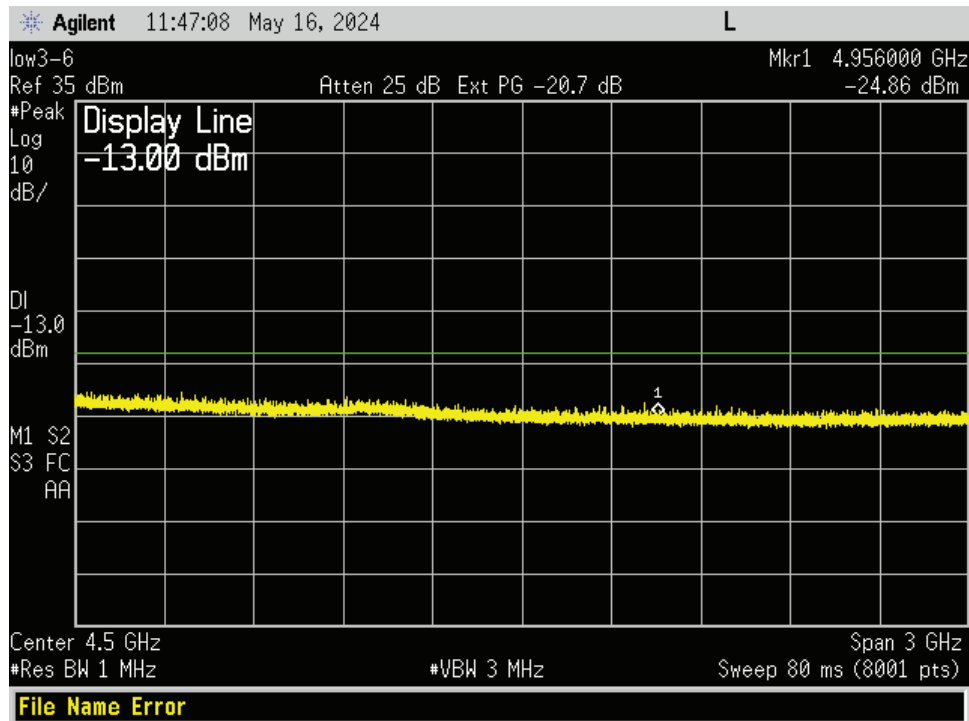


Figure 319. 768 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

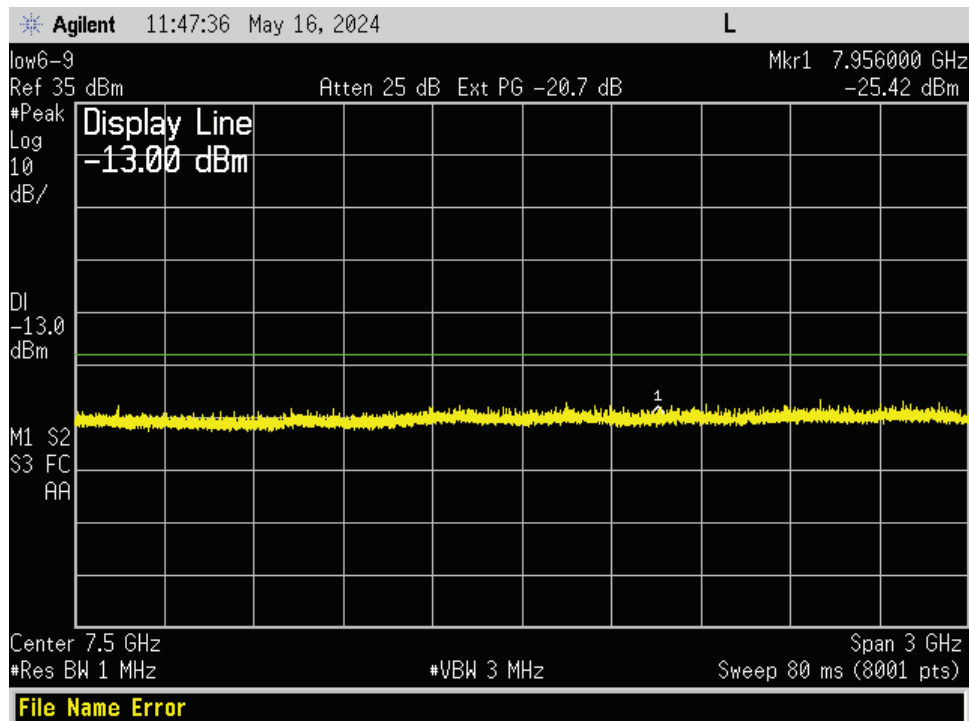


Figure 320. 768 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

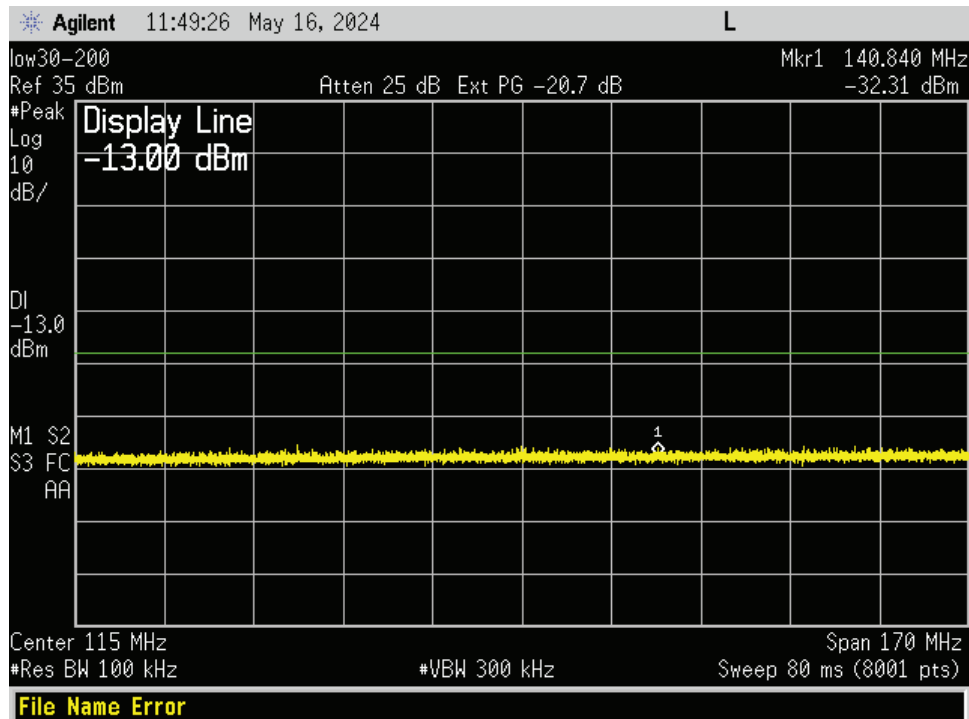


Figure 321. 769 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

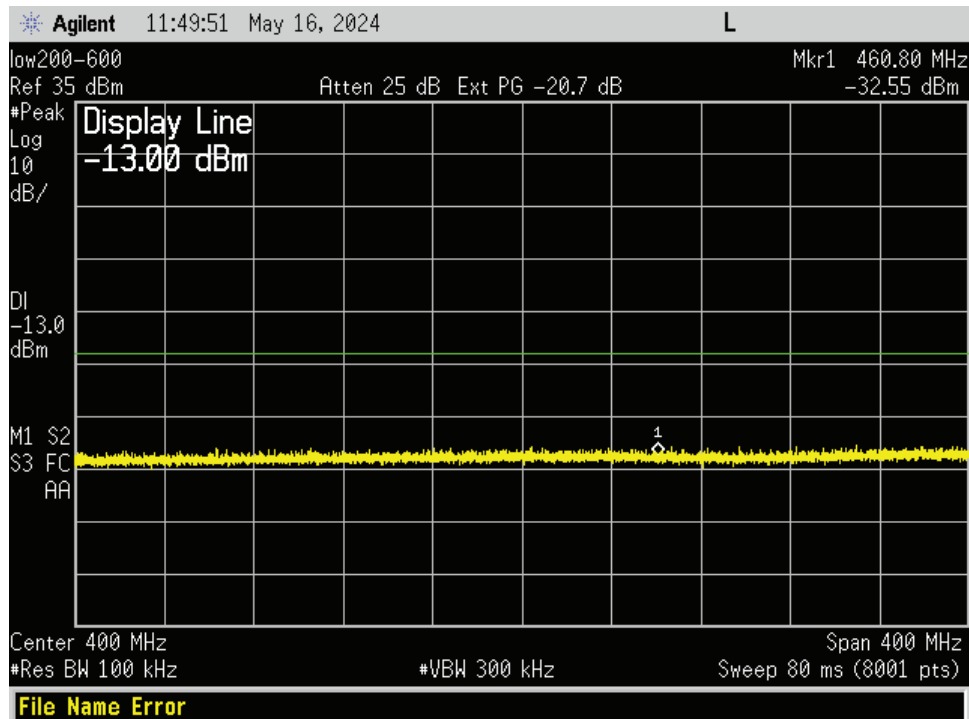


Figure 322. 769 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

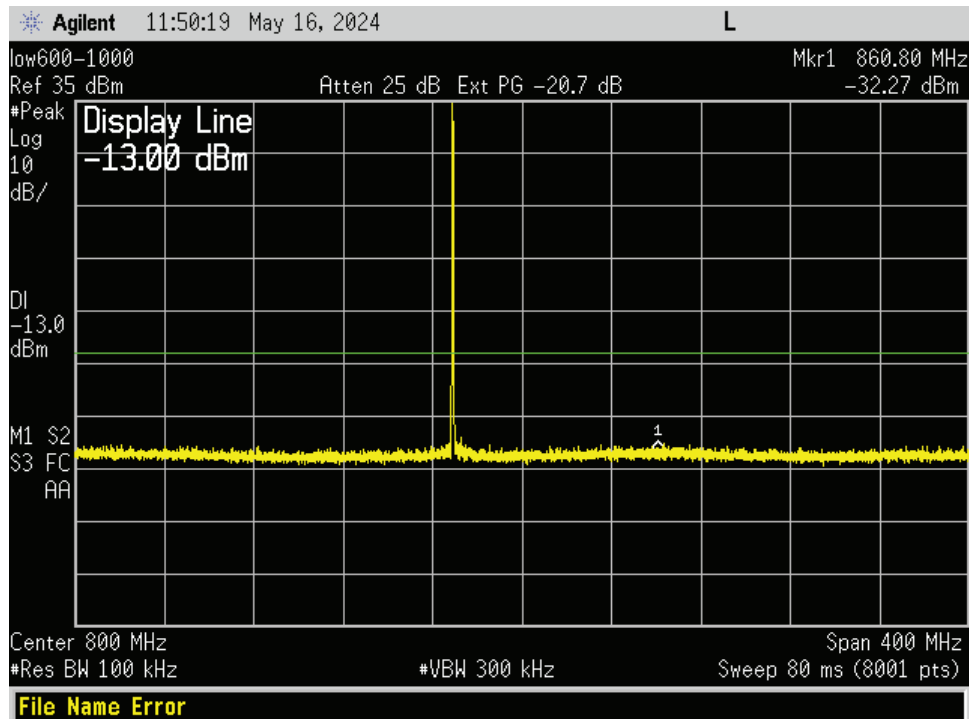


Figure 323. 769 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

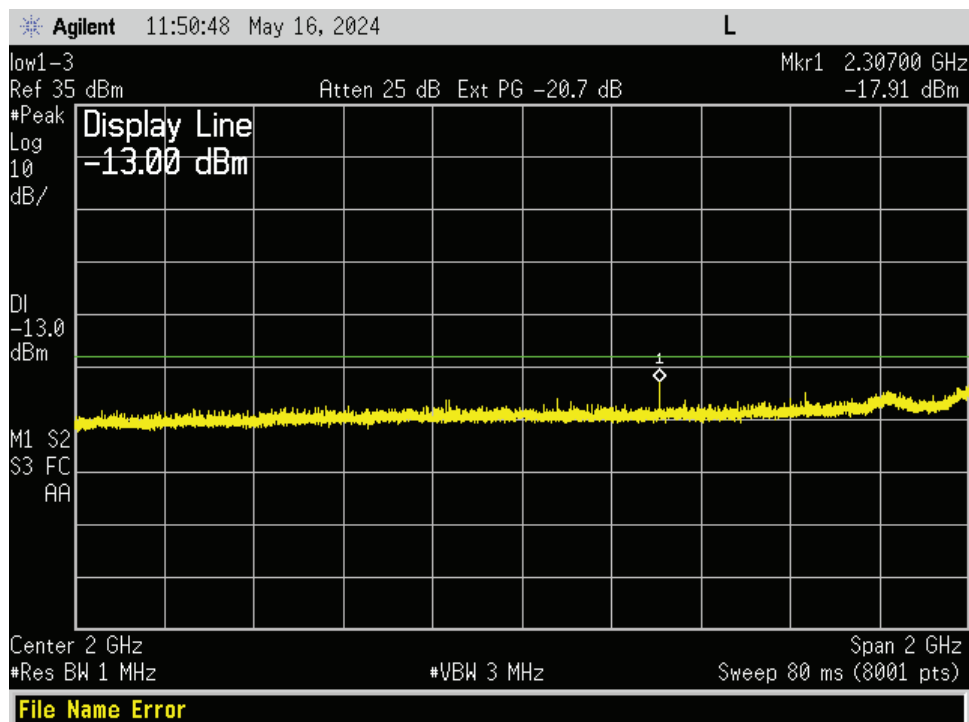


Figure 324. 769 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

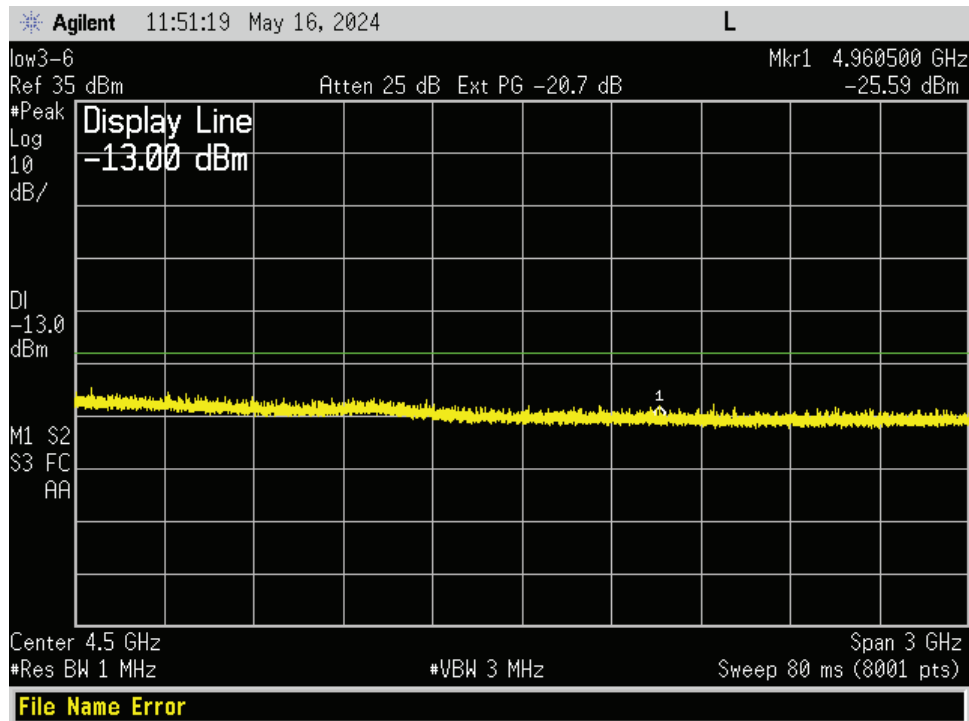


Figure 325. 769 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

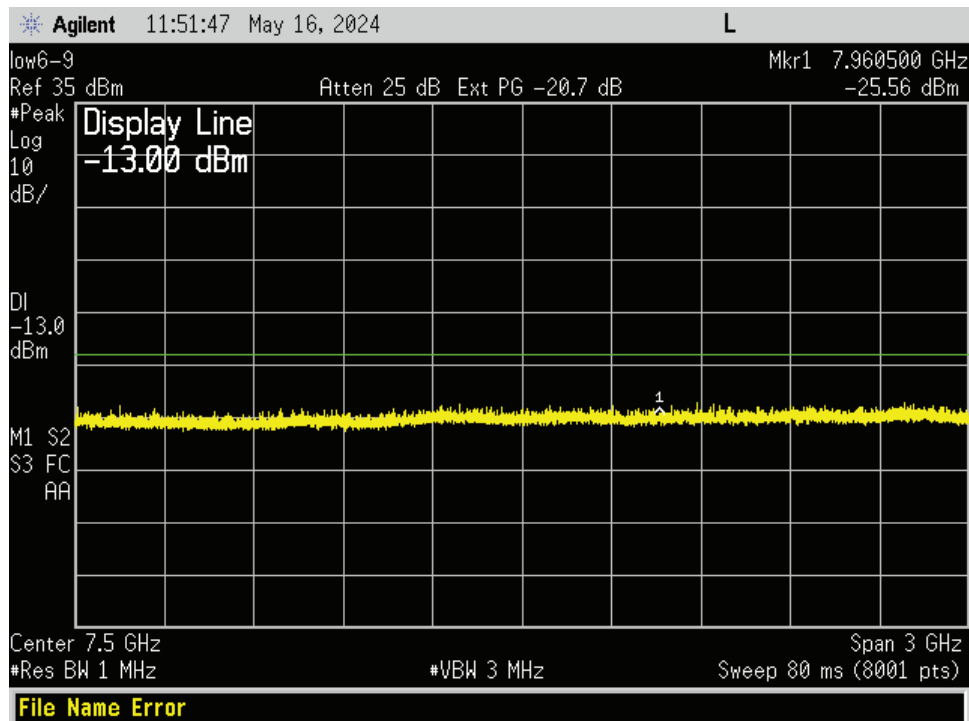


Figure 326. 769 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

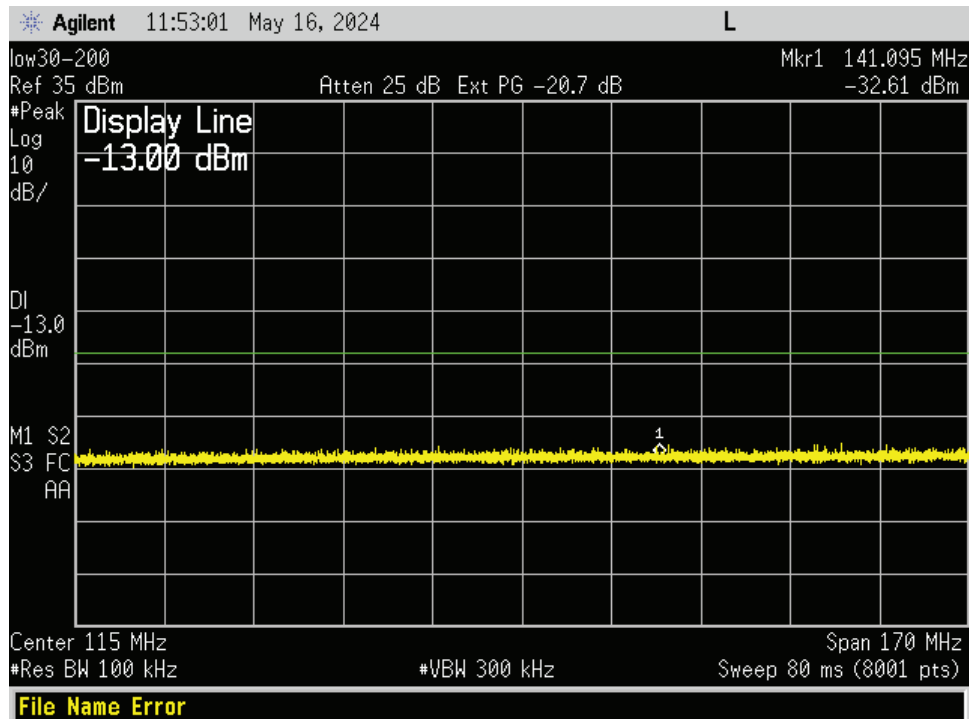


Figure 327. 775 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

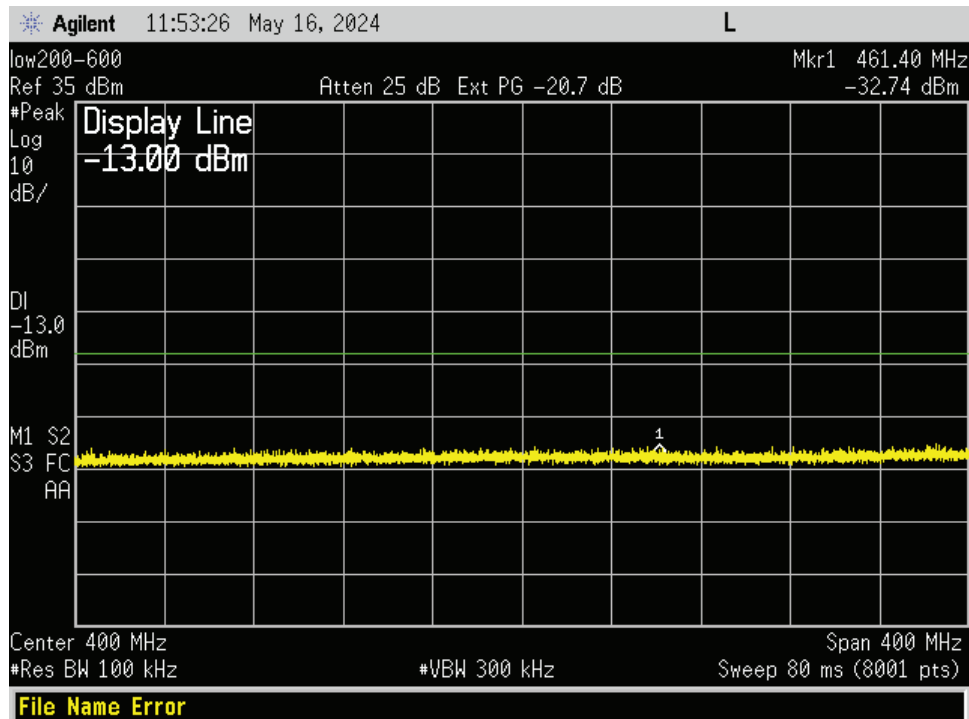


Figure 328. 775 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

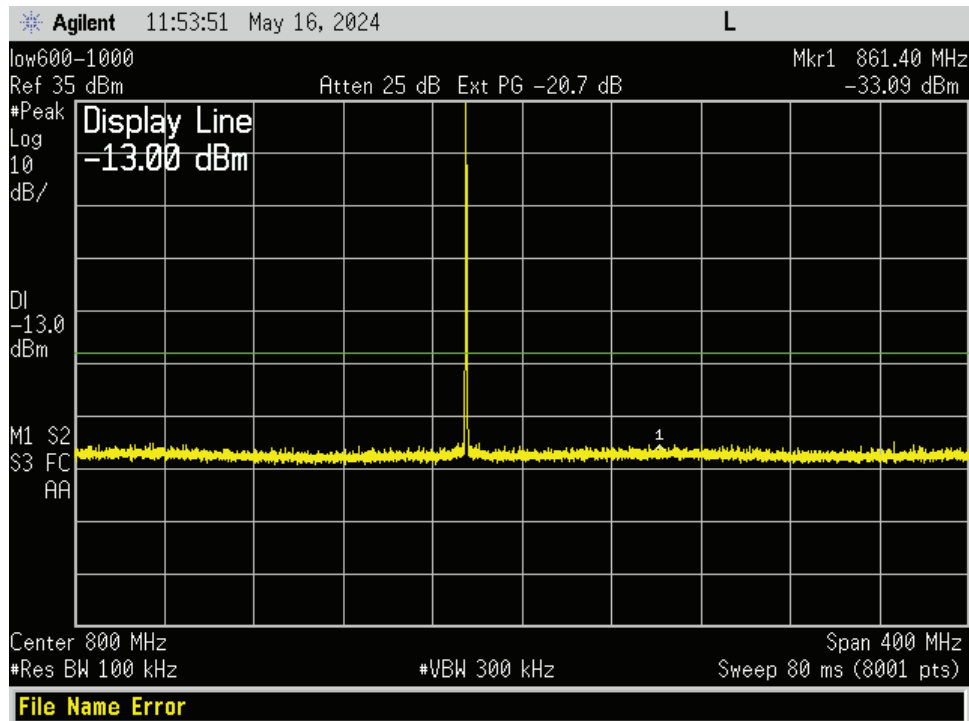


Figure 329. 775 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

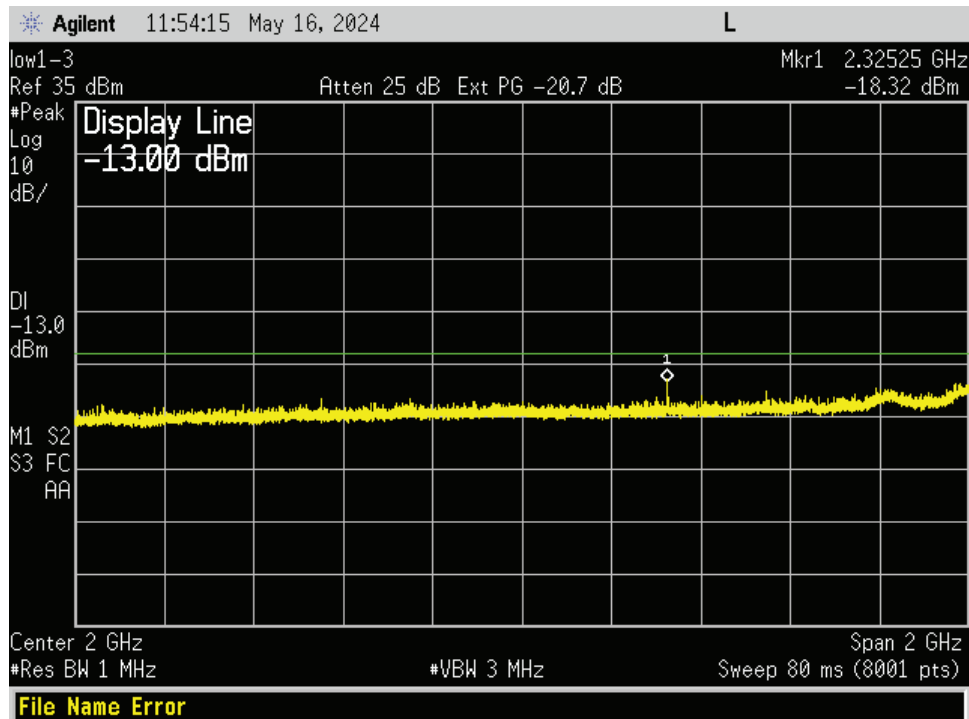


Figure 330. 775 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

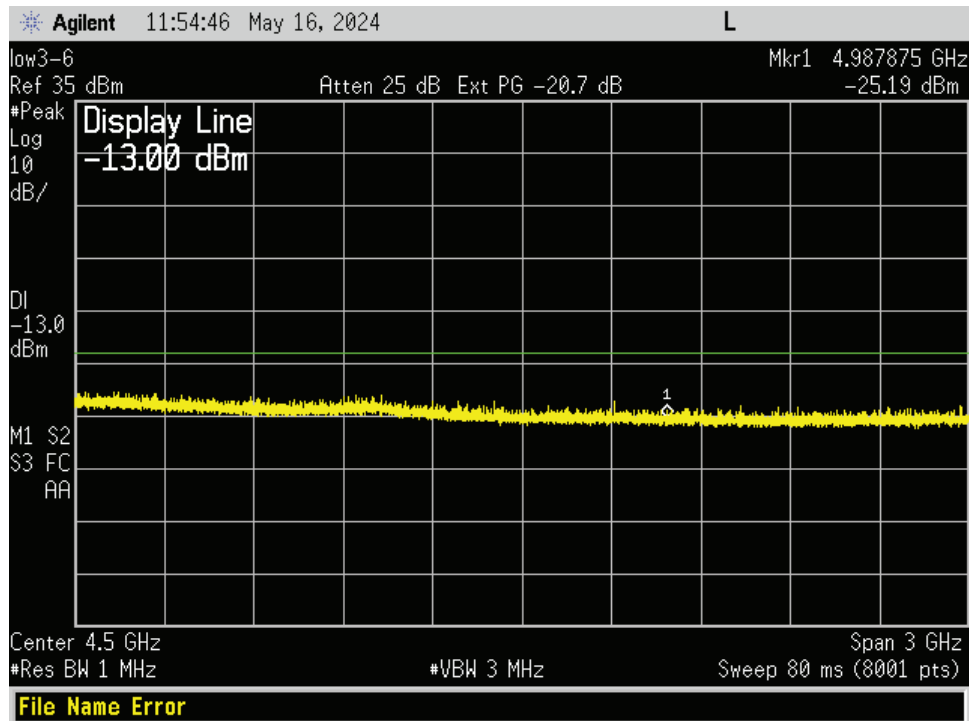


Figure 331. 775 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

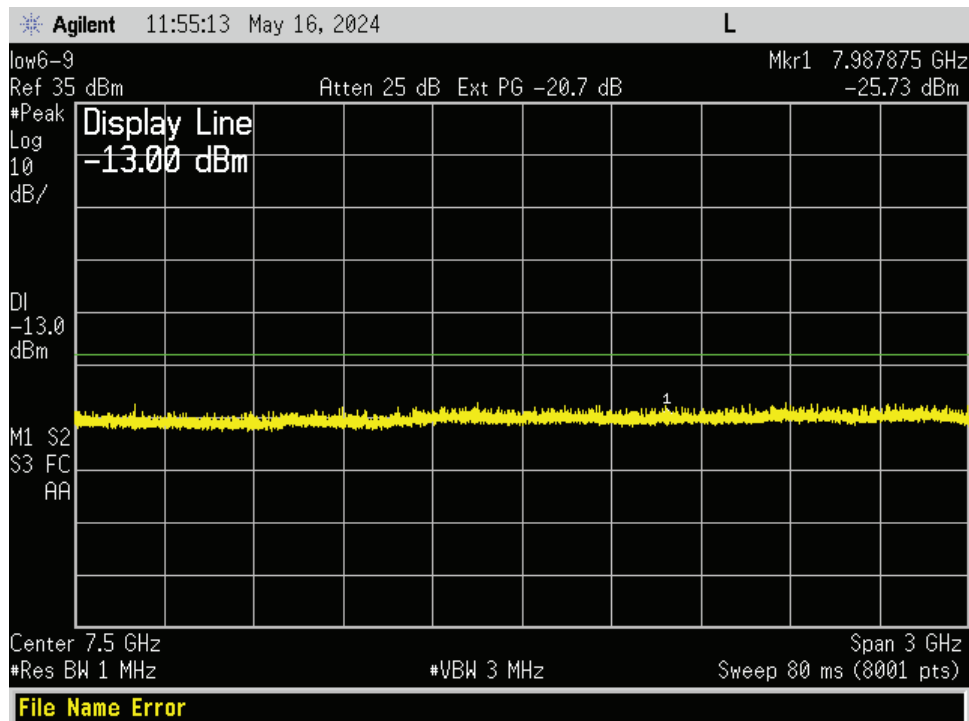


Figure 332. 775 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

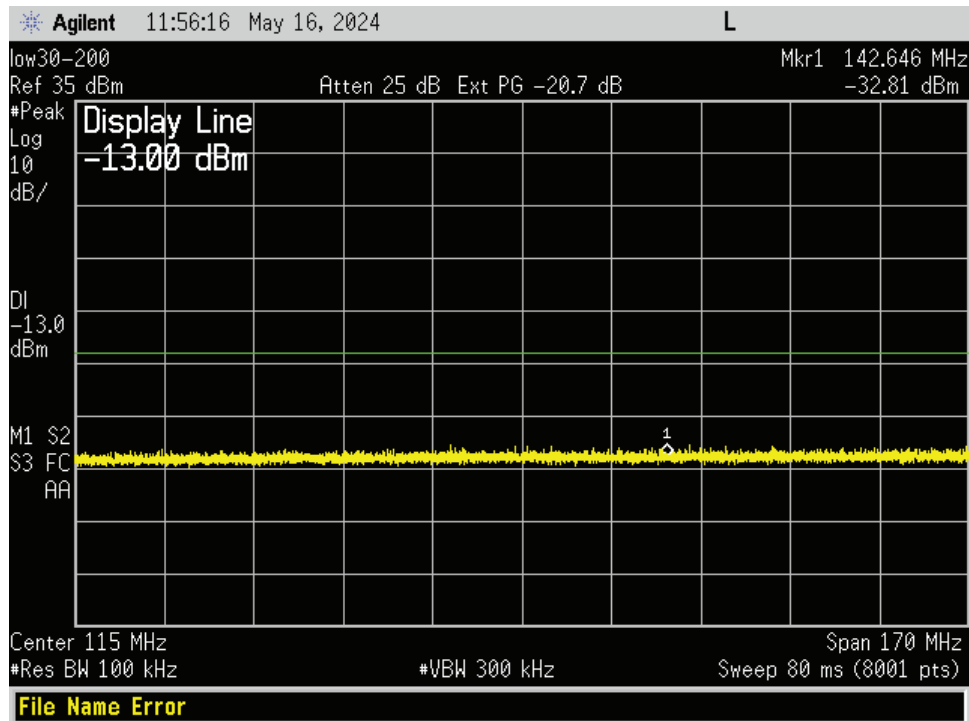


Figure 333. 788 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

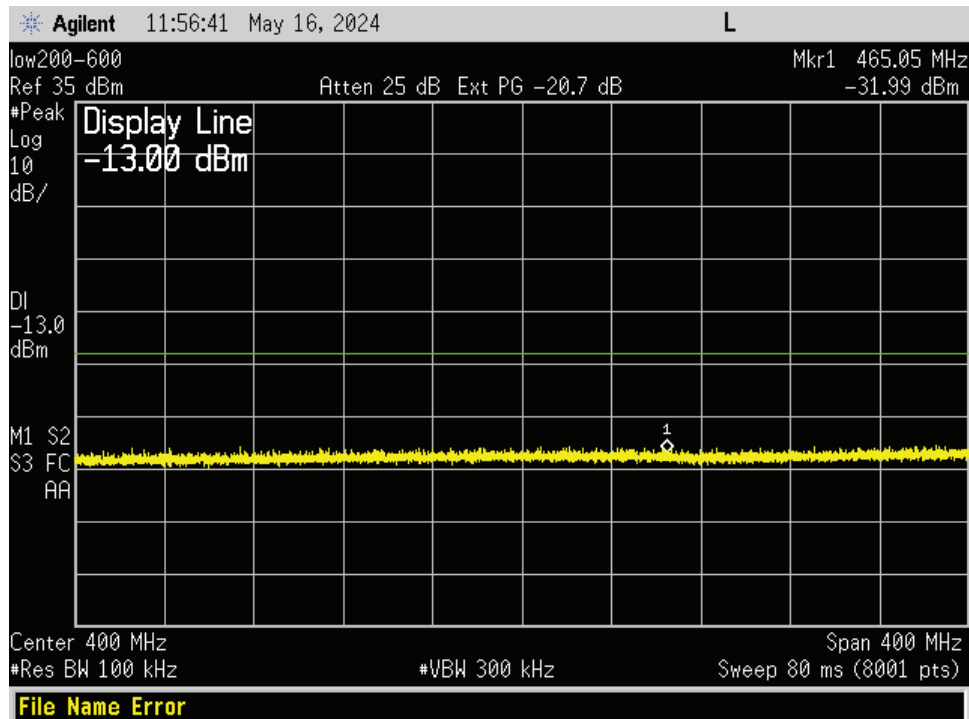


Figure 334. 788 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

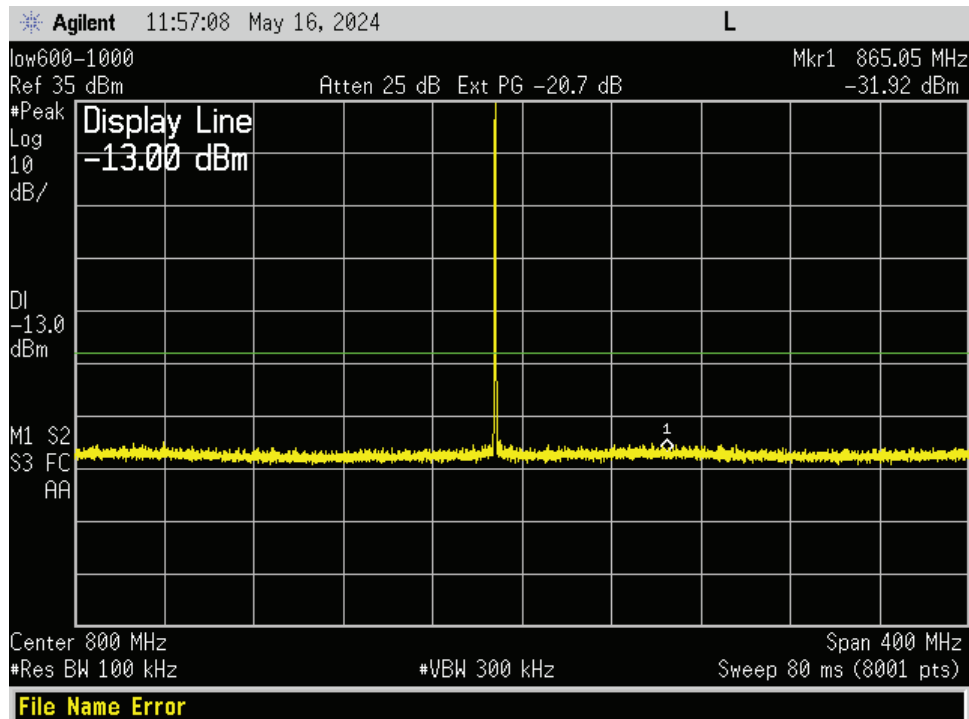


Figure 335. 788 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

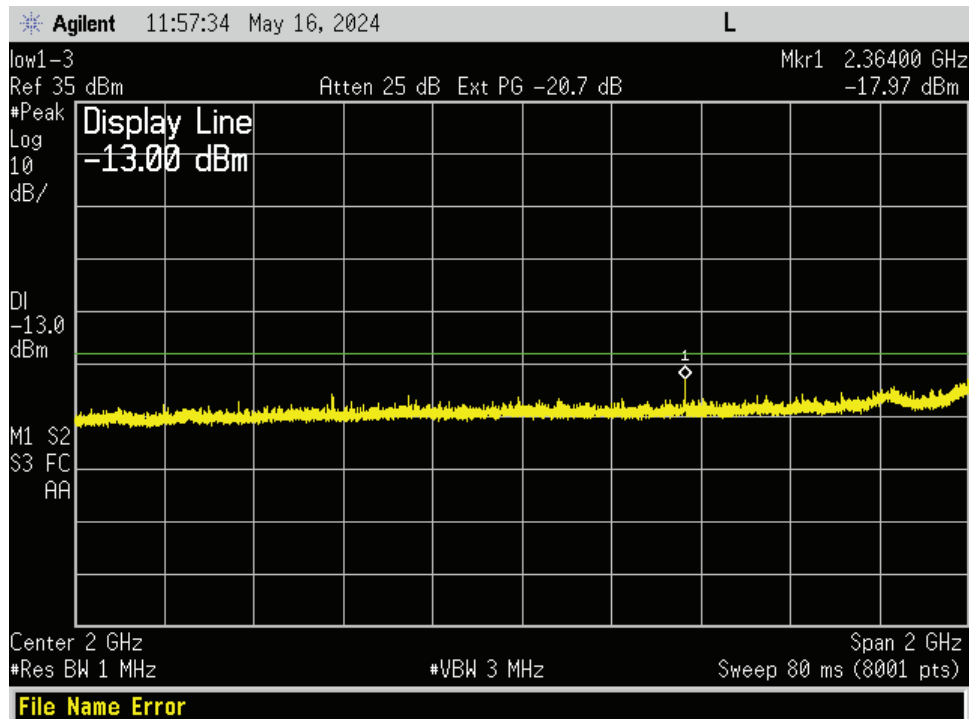


Figure 336. 788 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

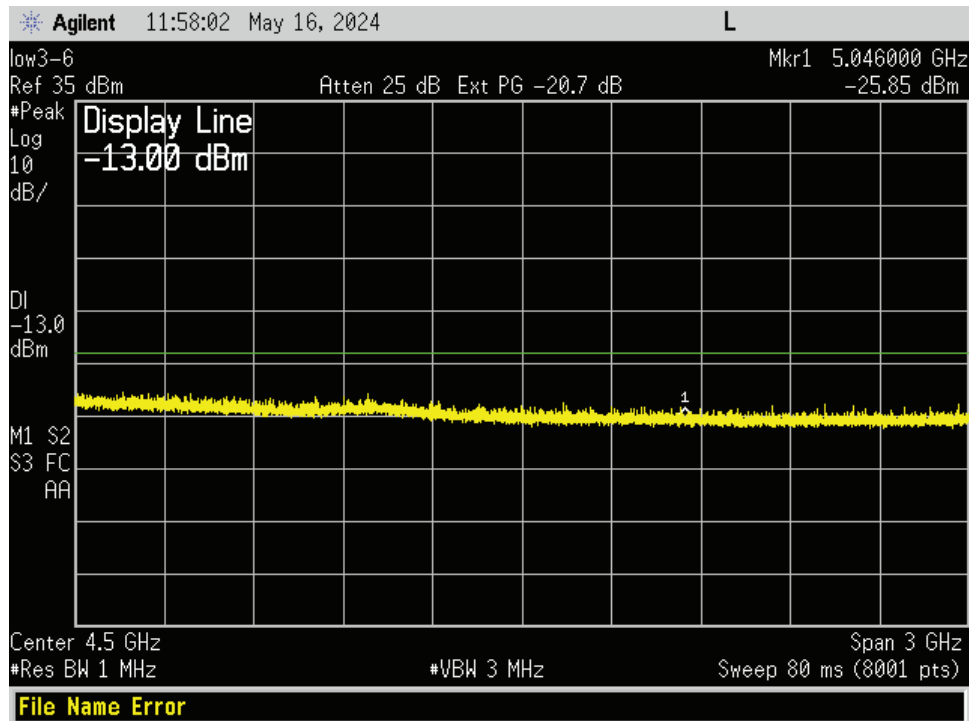


Figure 337. 788 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

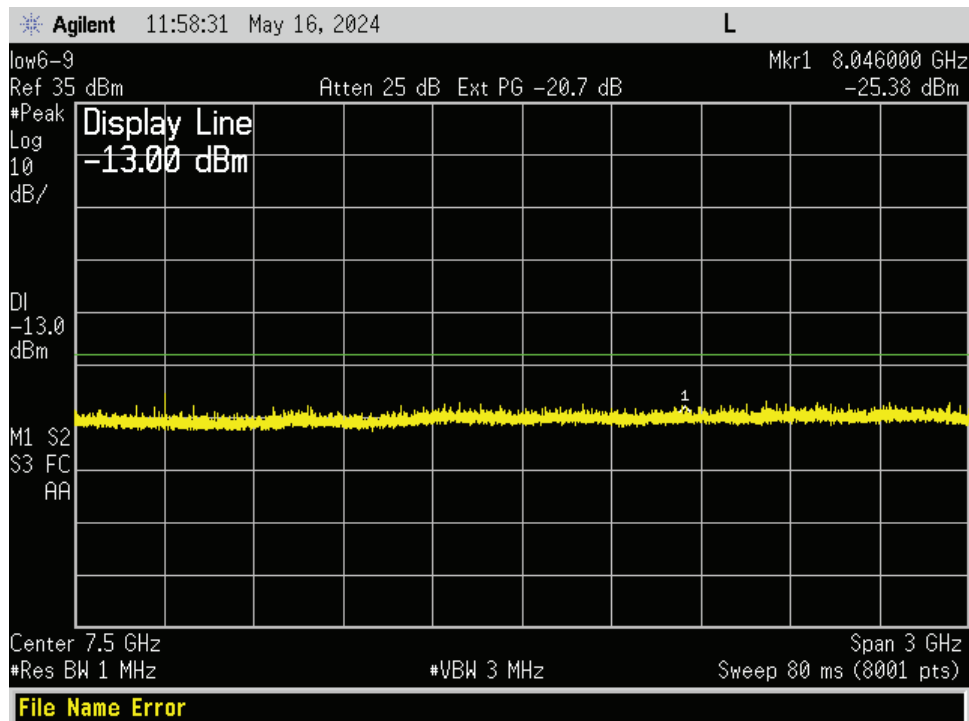


Figure 338. 788 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

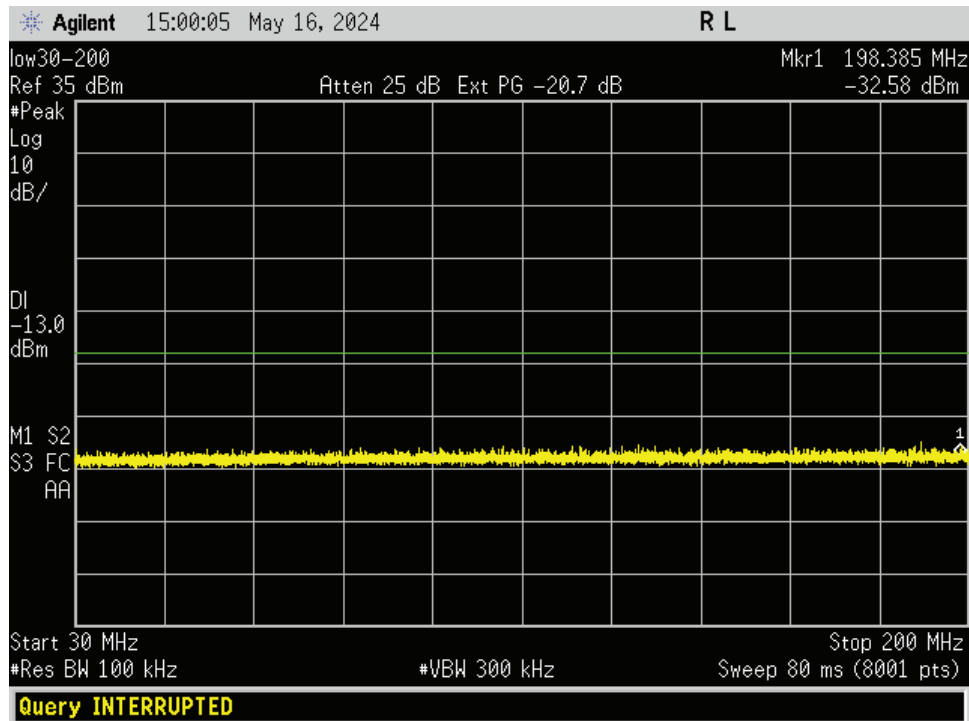


Figure 339. 798 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

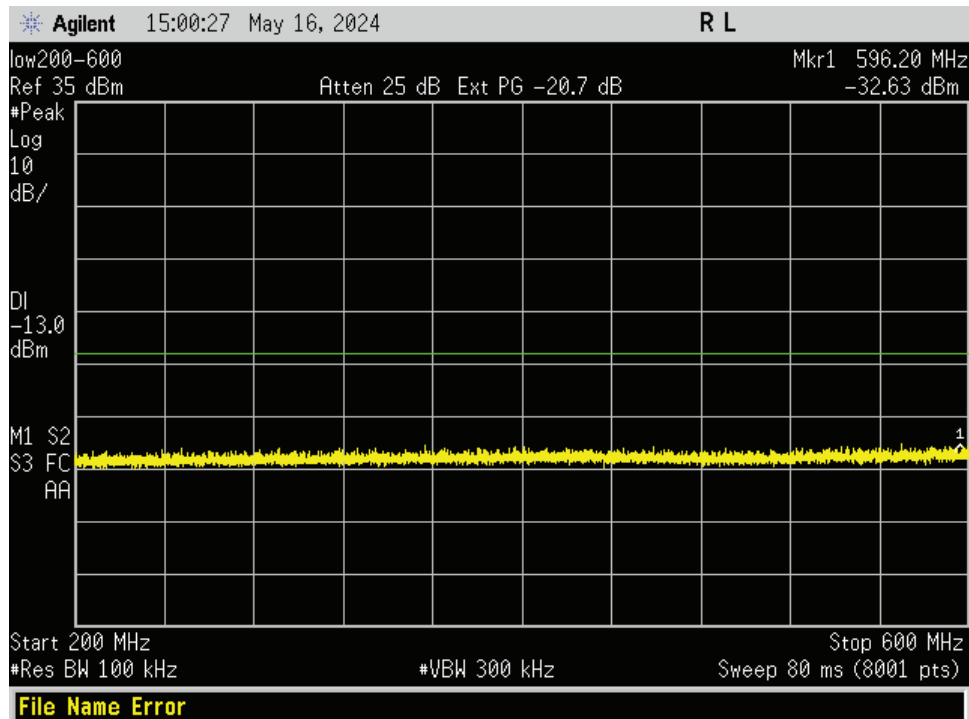


Figure 340. 798 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

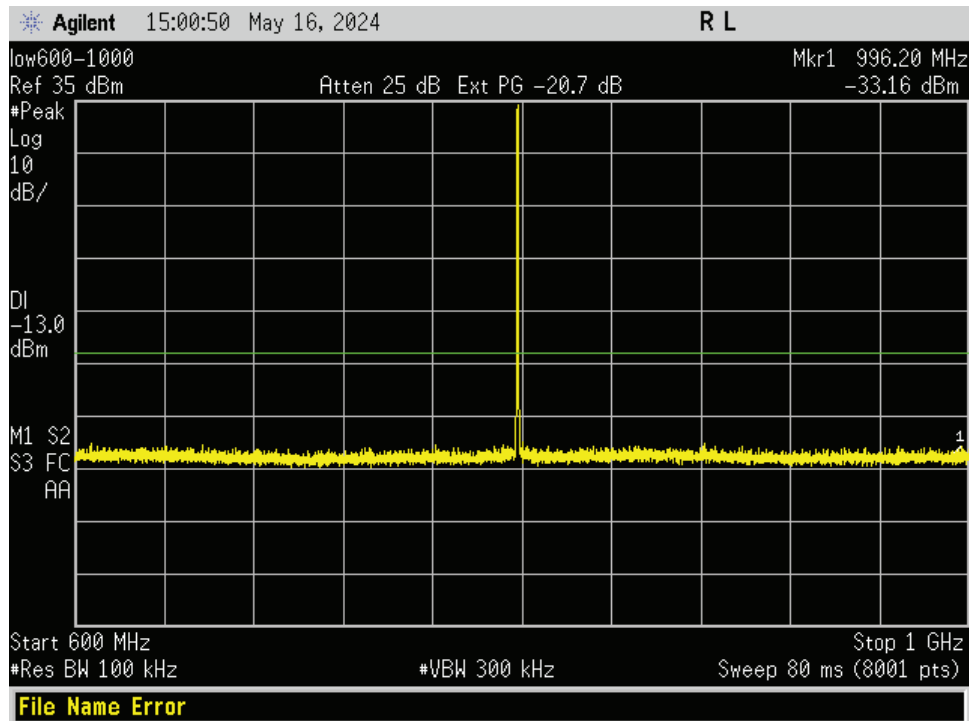


Figure 341. 798 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

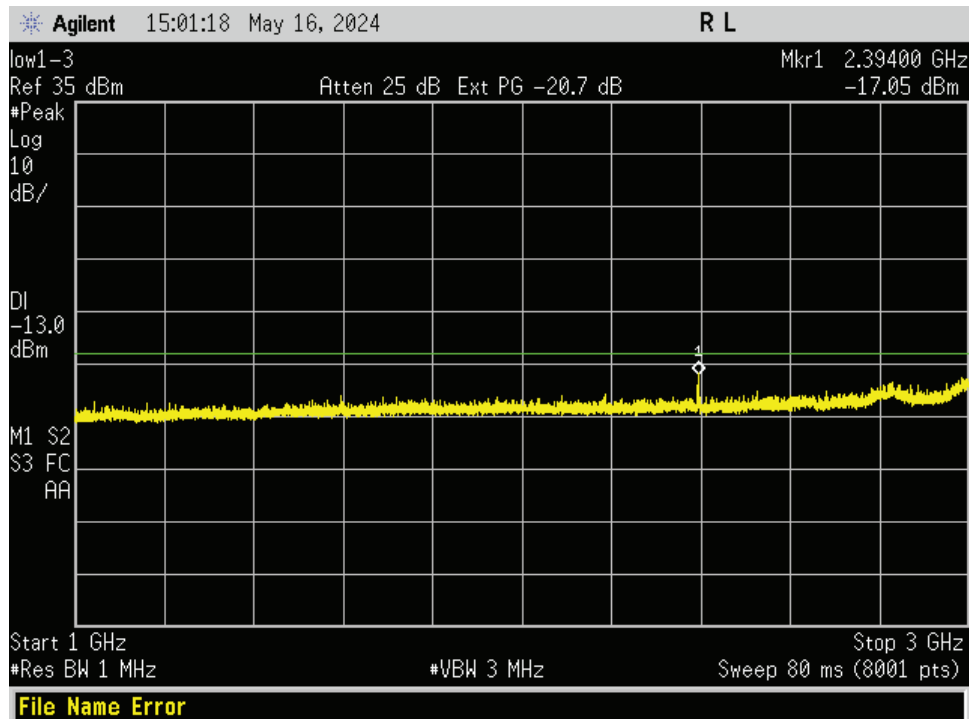


Figure 342. 798 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

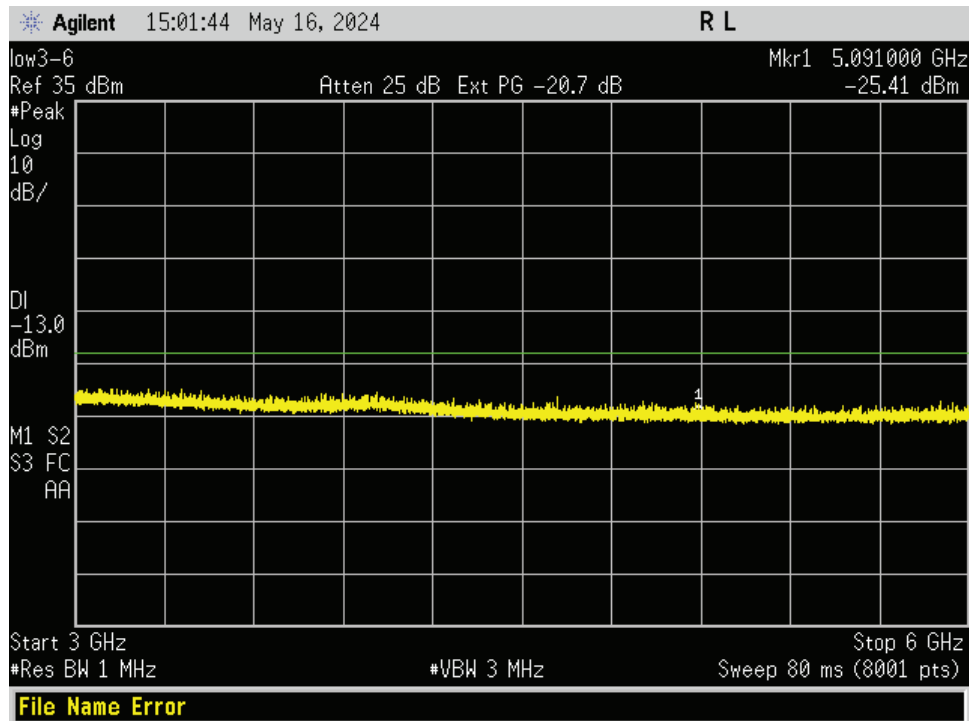


Figure 343. 798 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

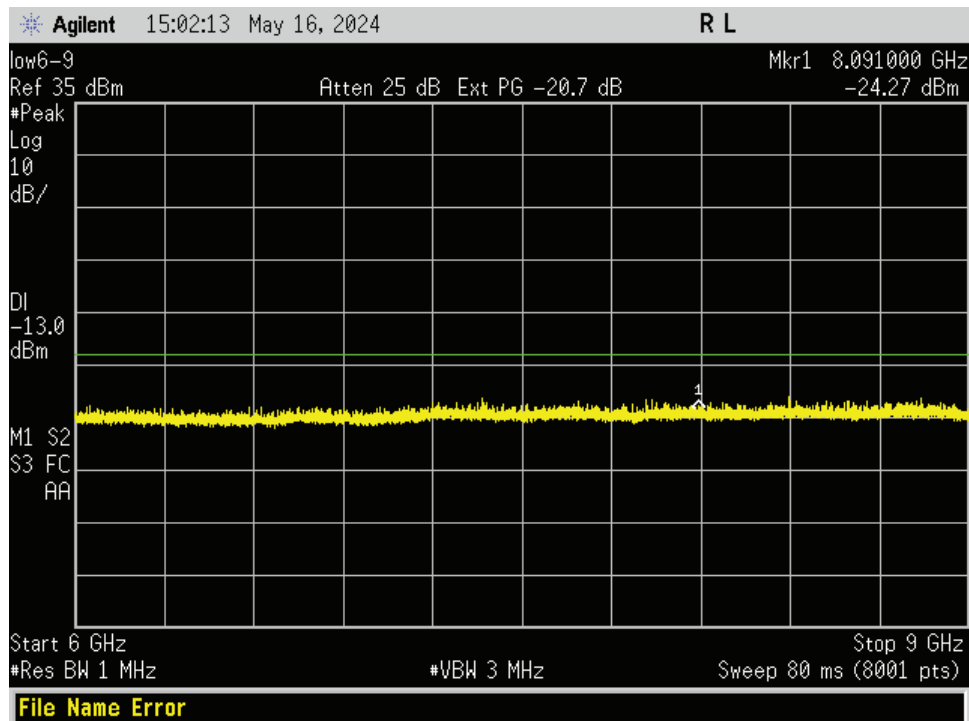


Figure 344. 798 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

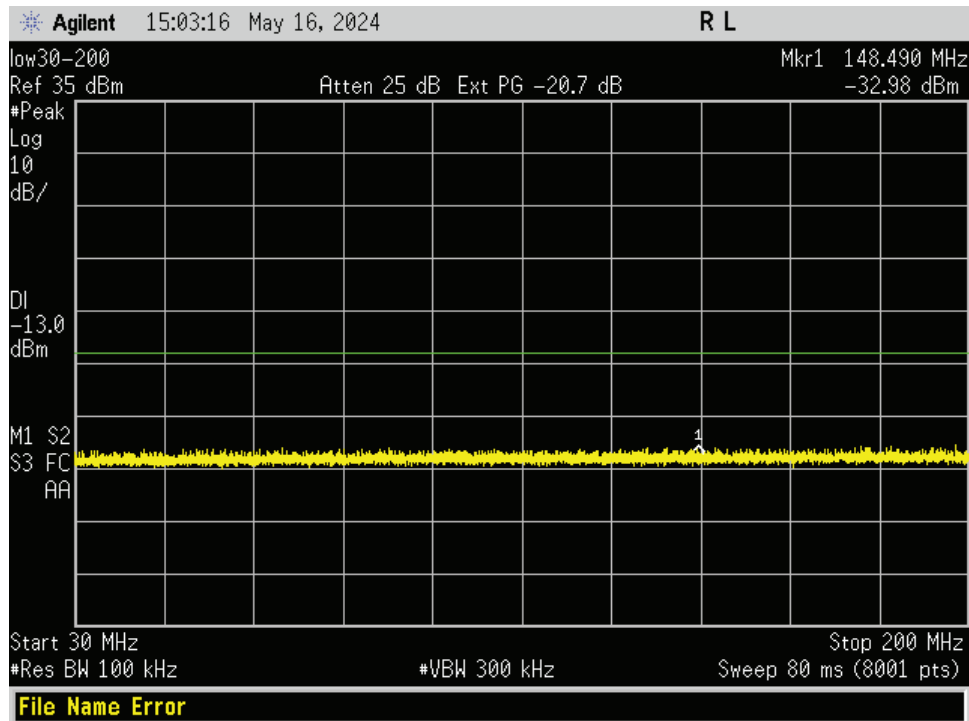


Figure 345. 799 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

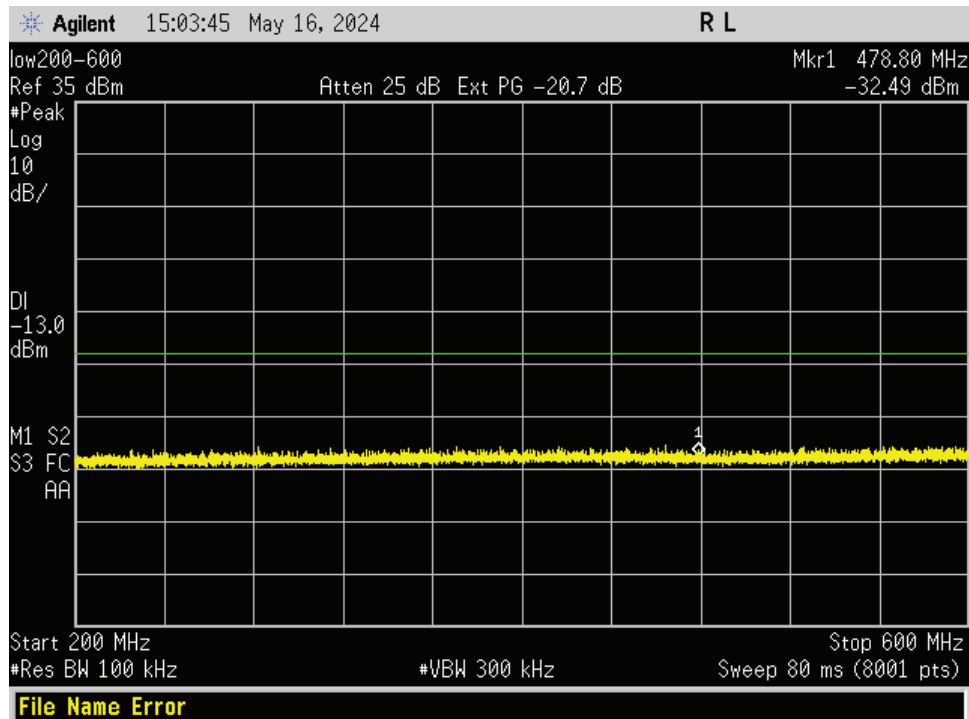


Figure 346. 799 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

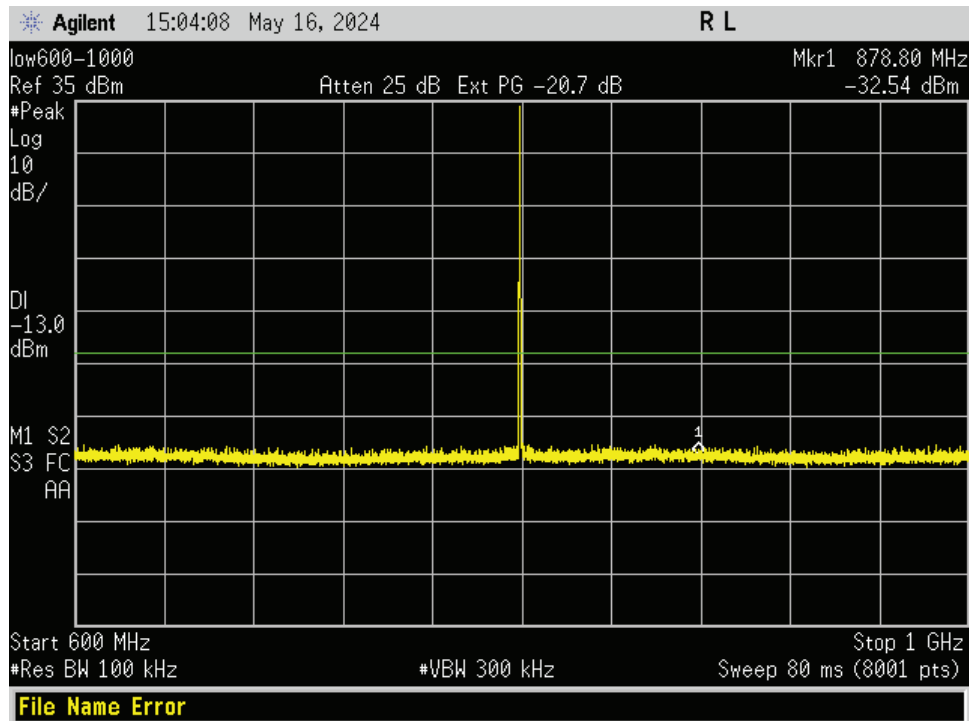


Figure 347. 799 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

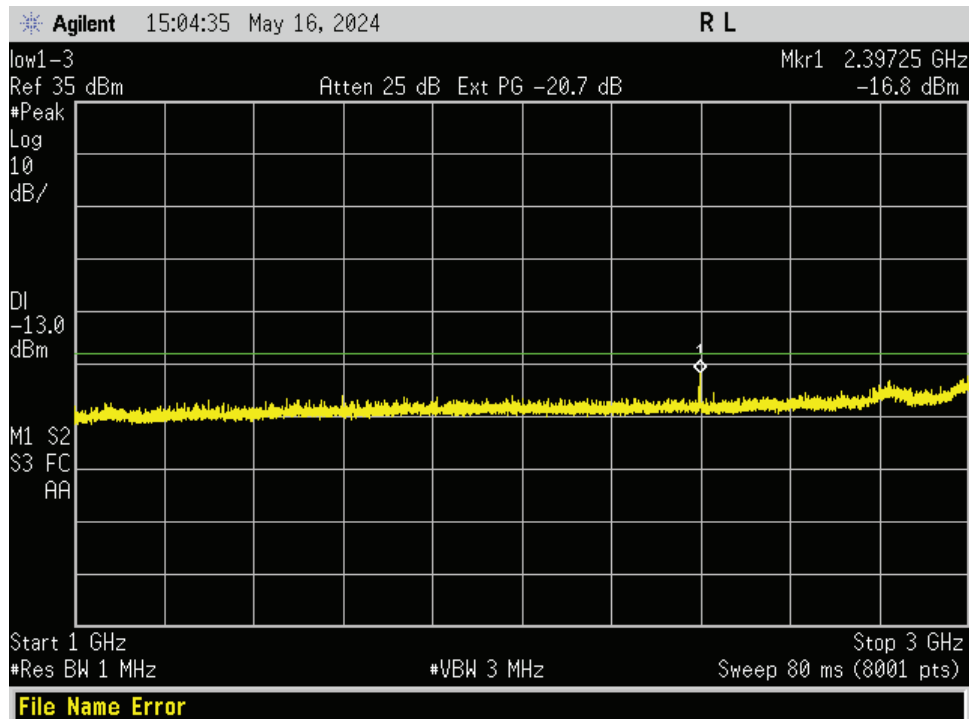


Figure 348. 799 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

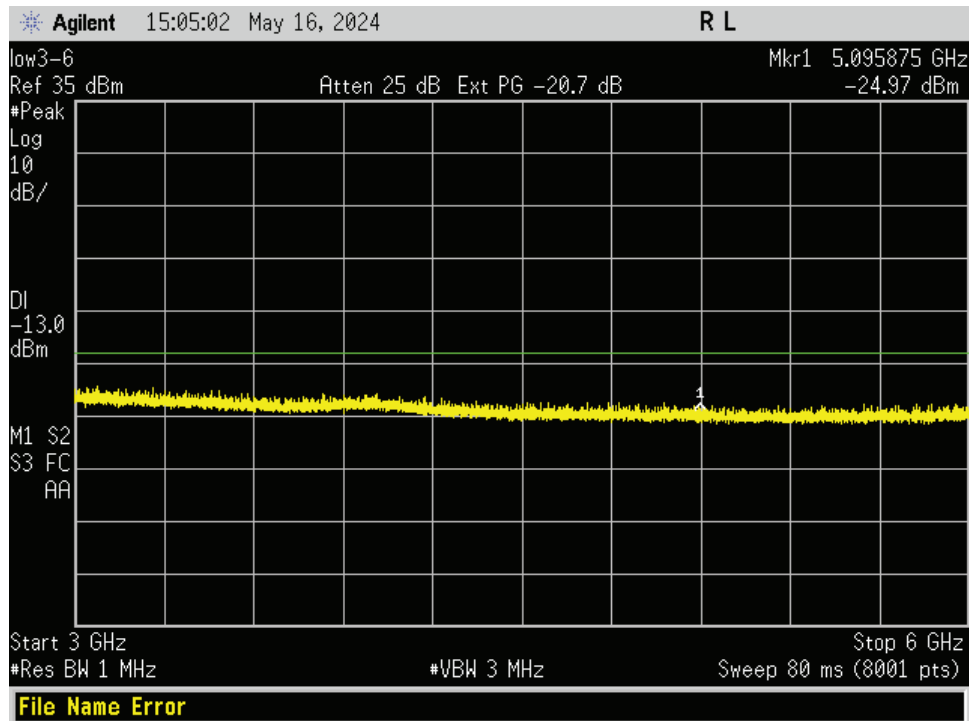


Figure 349. 799 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

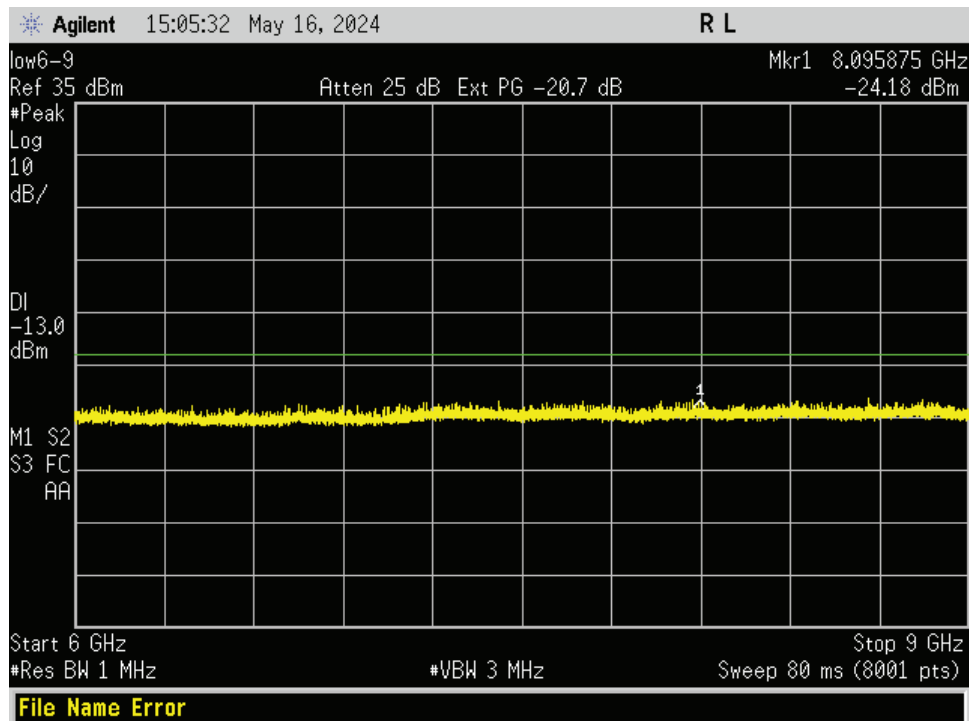


Figure 350. 799 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

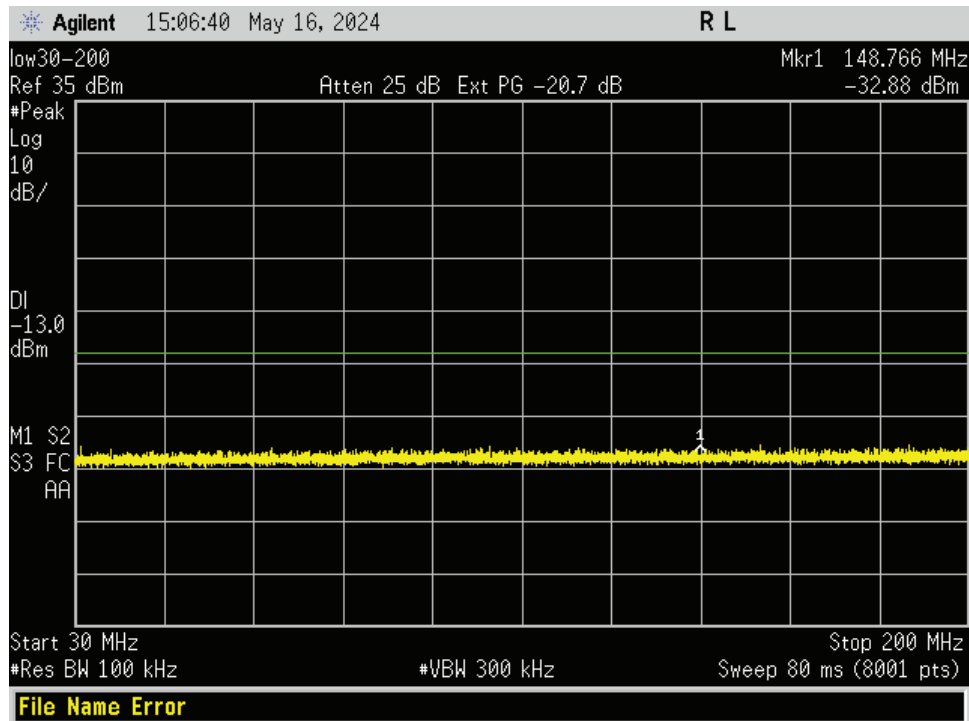


Figure 351. 805 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

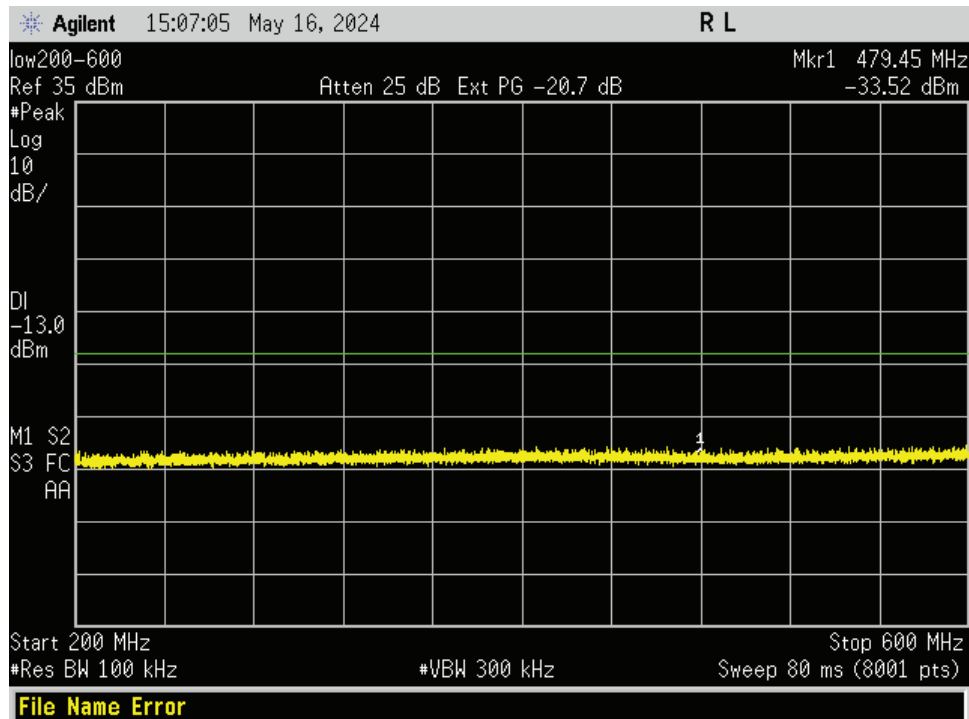


Figure 352. 805 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

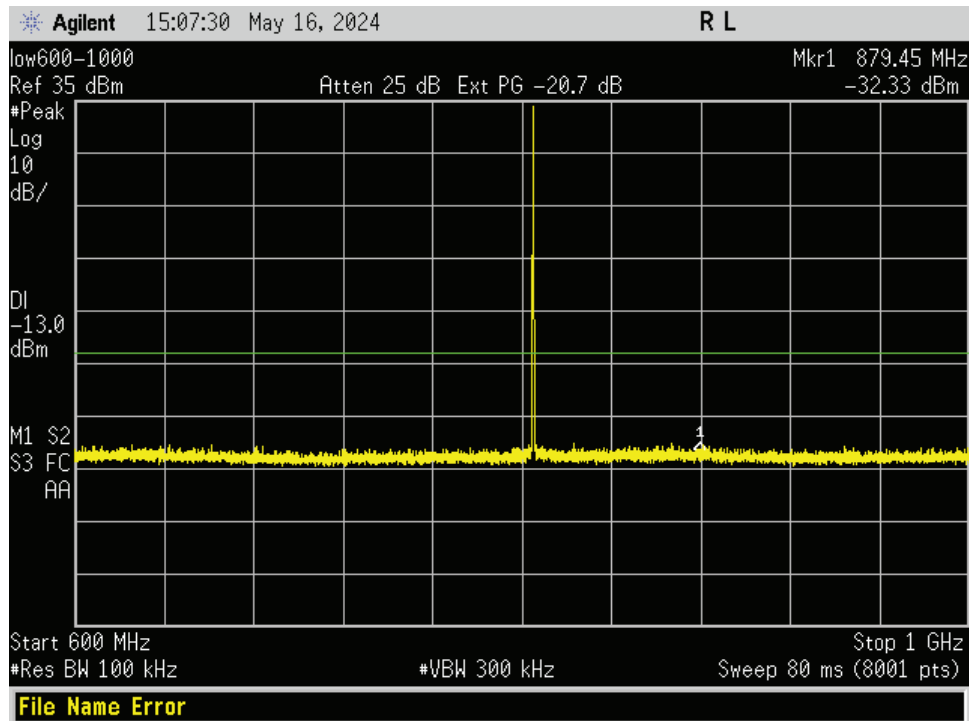


Figure 353. 805 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

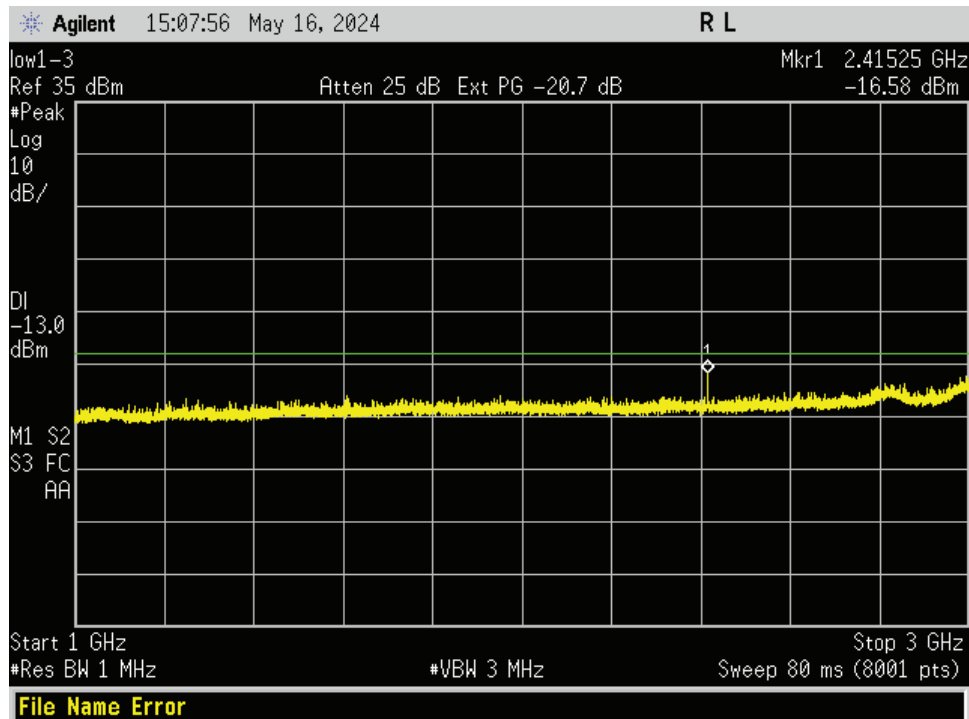


Figure 354. 805 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

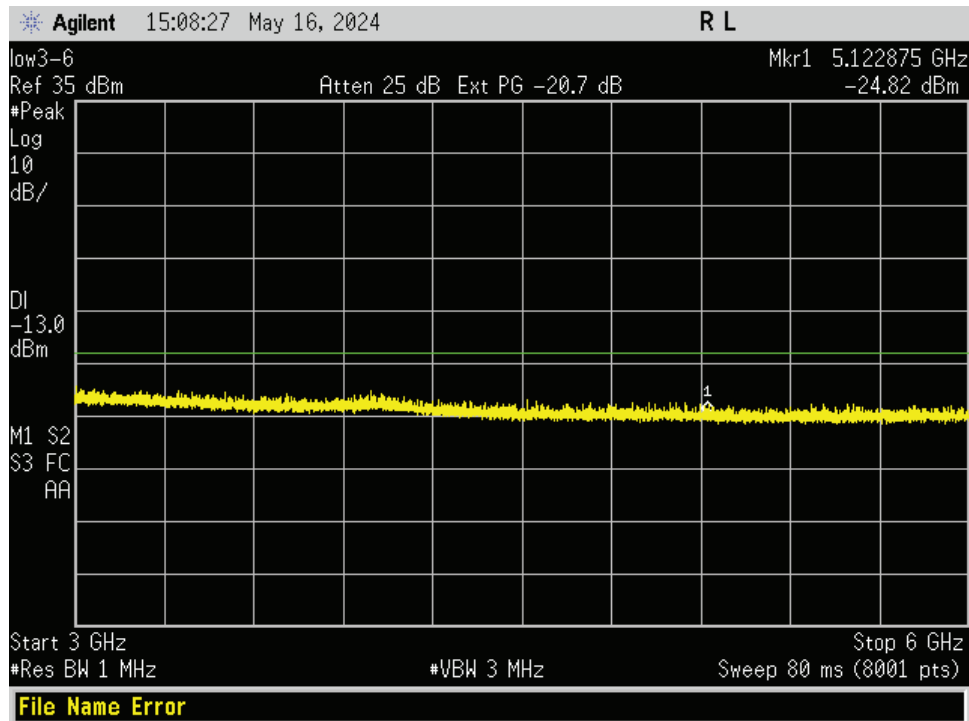


Figure 355. 805 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

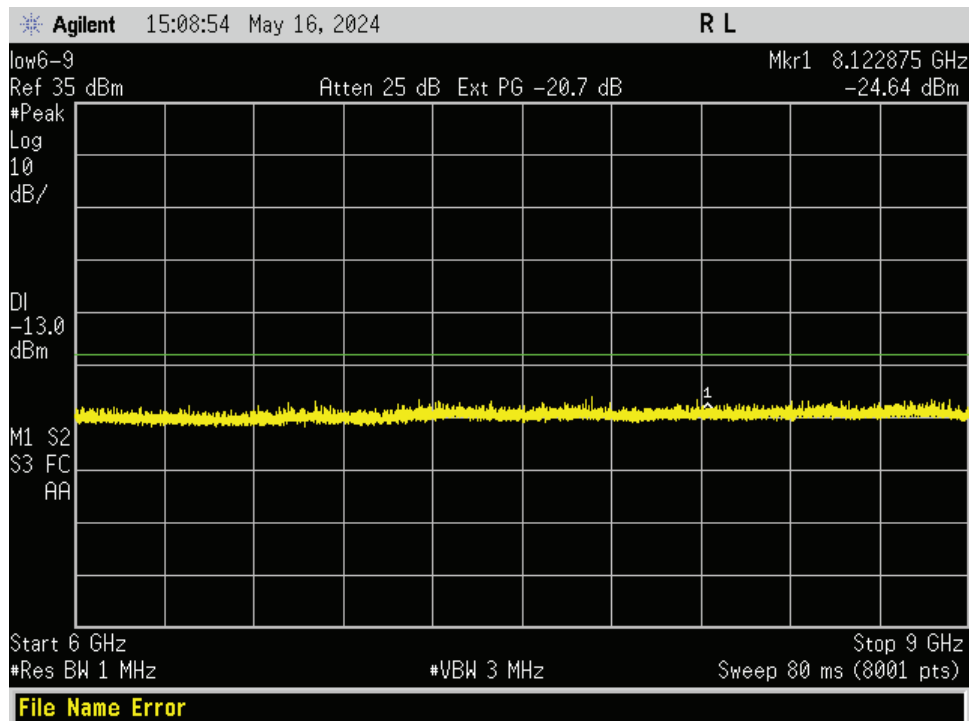


Figure 356. 805 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.12.2.4 800 MHz Conducted Spurious Emissions

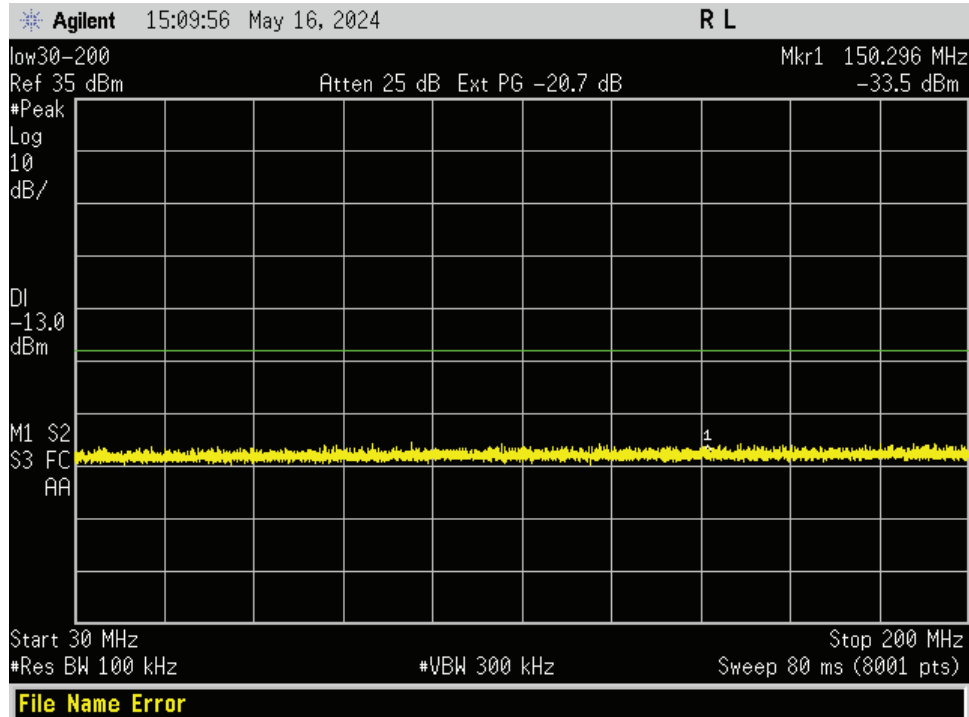


Figure 357. 806 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

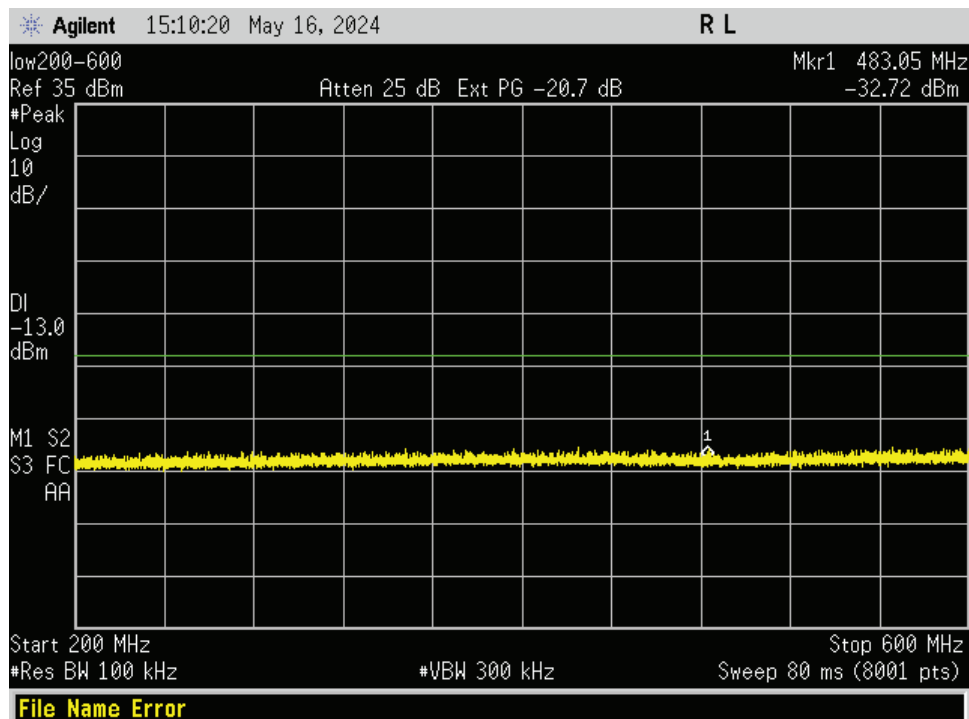


Figure 358. 806 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

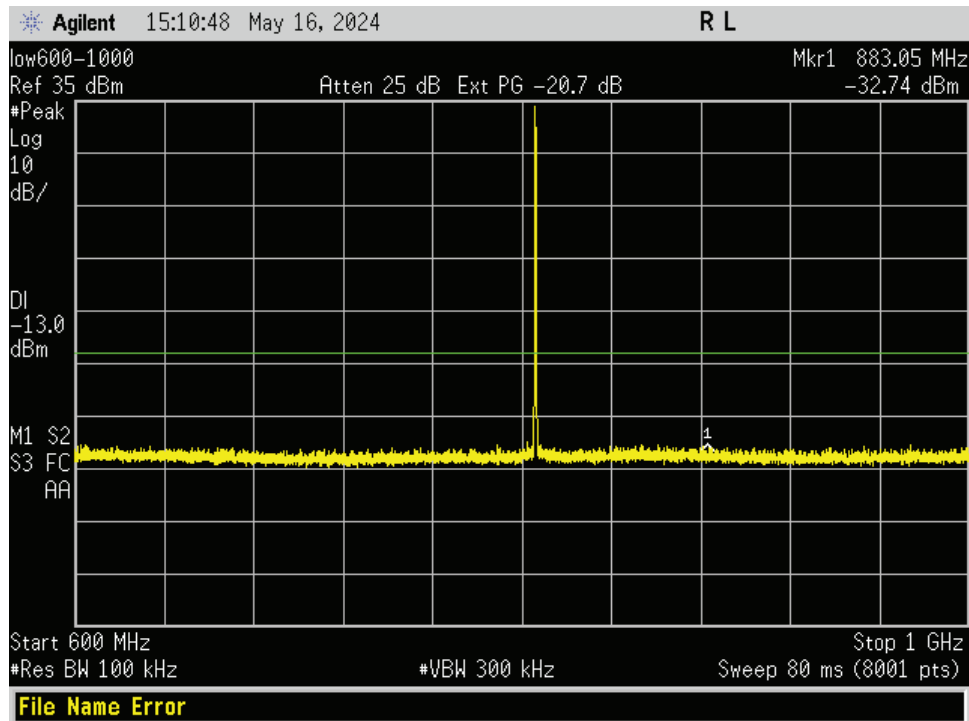


Figure 359. 806 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

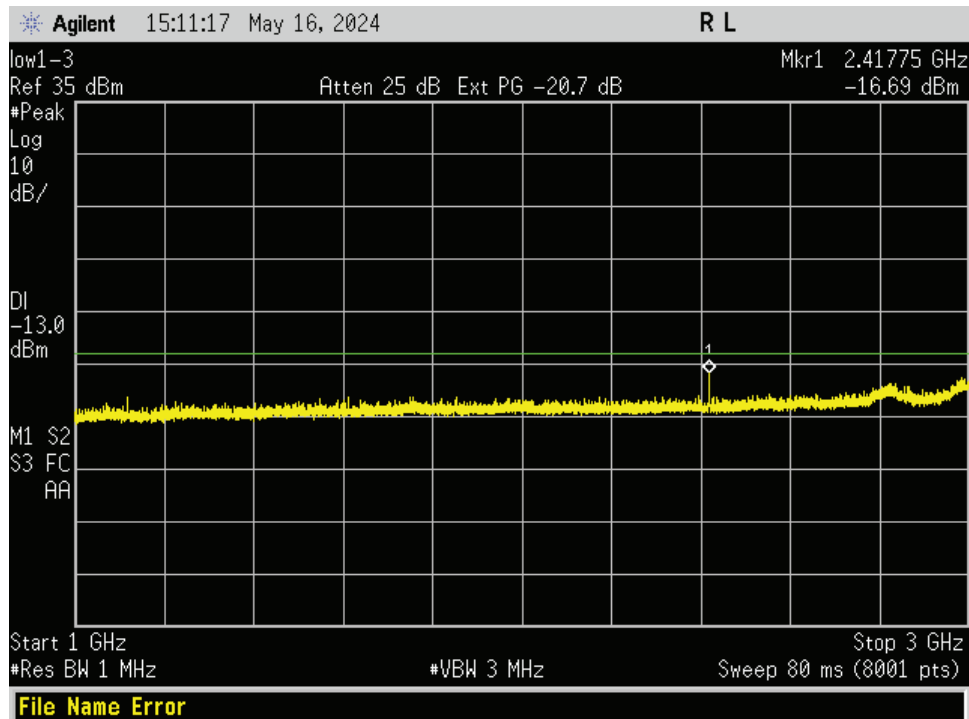


Figure 360. 806 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

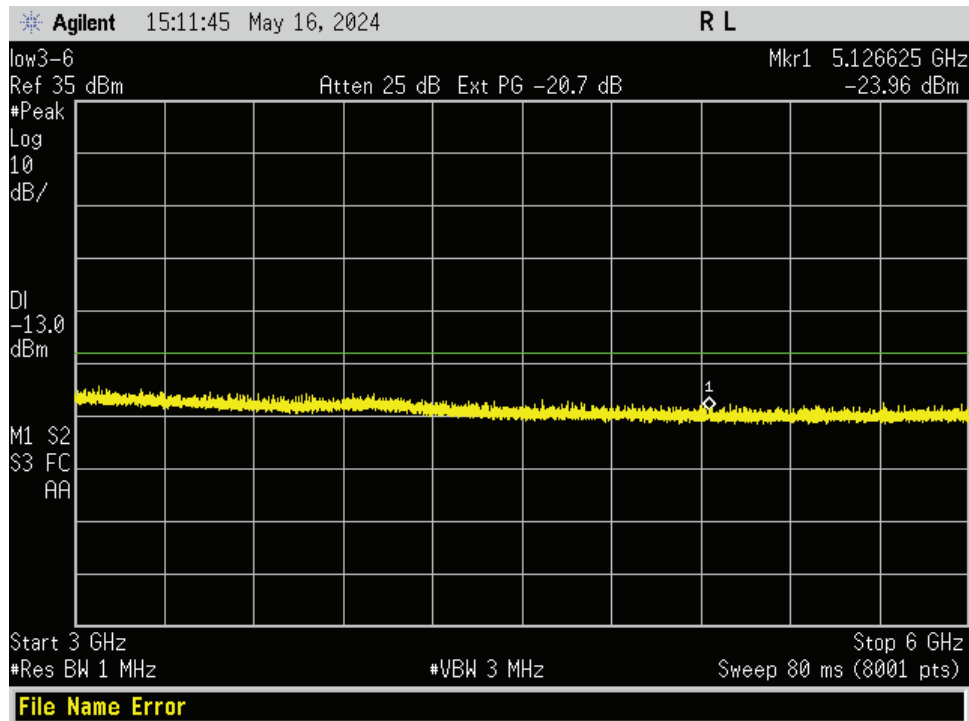


Figure 361. 806 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

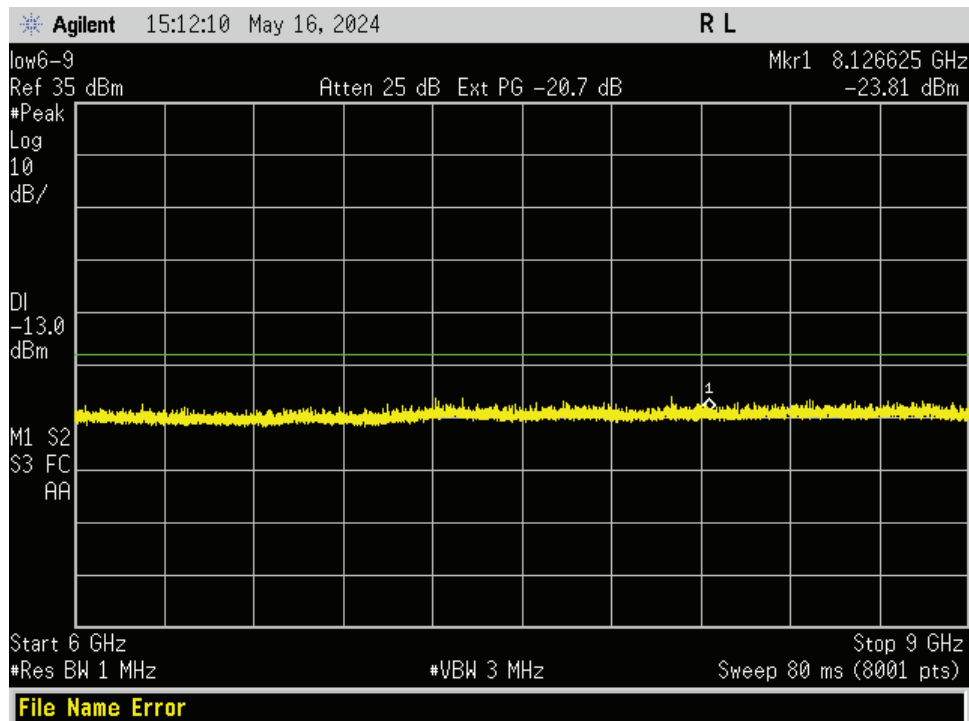


Figure 362. 806 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

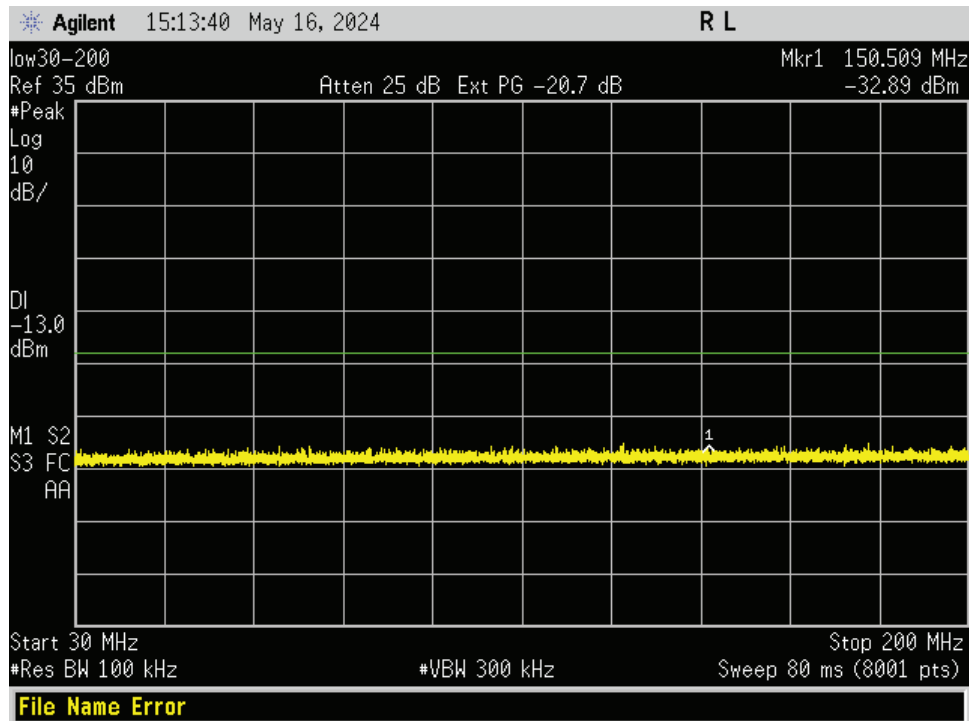


Figure 363. 815 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

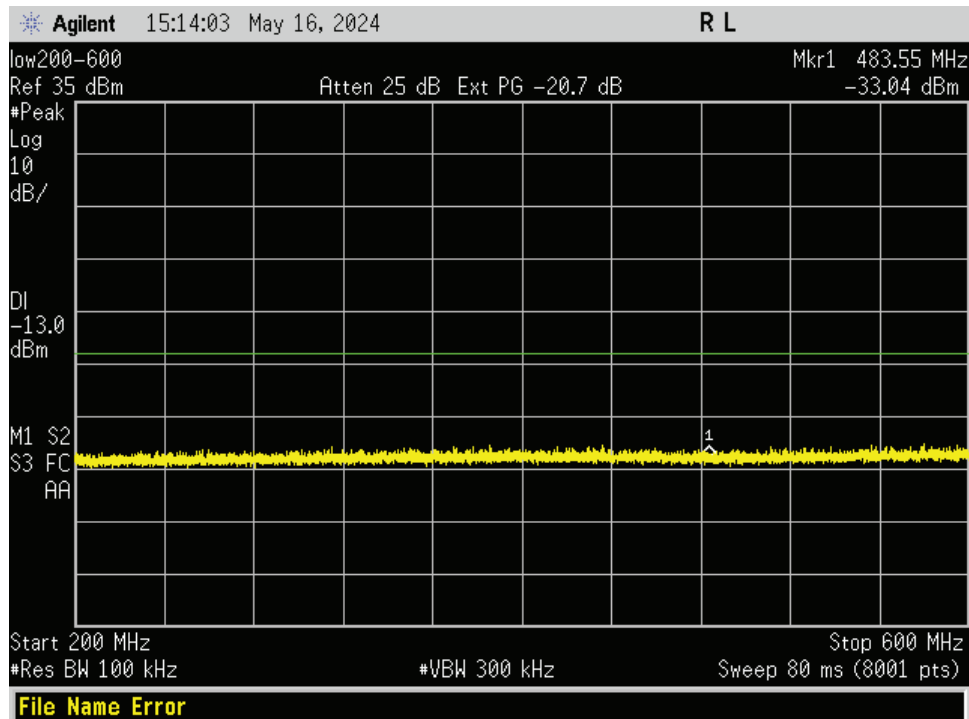


Figure 364. 815 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

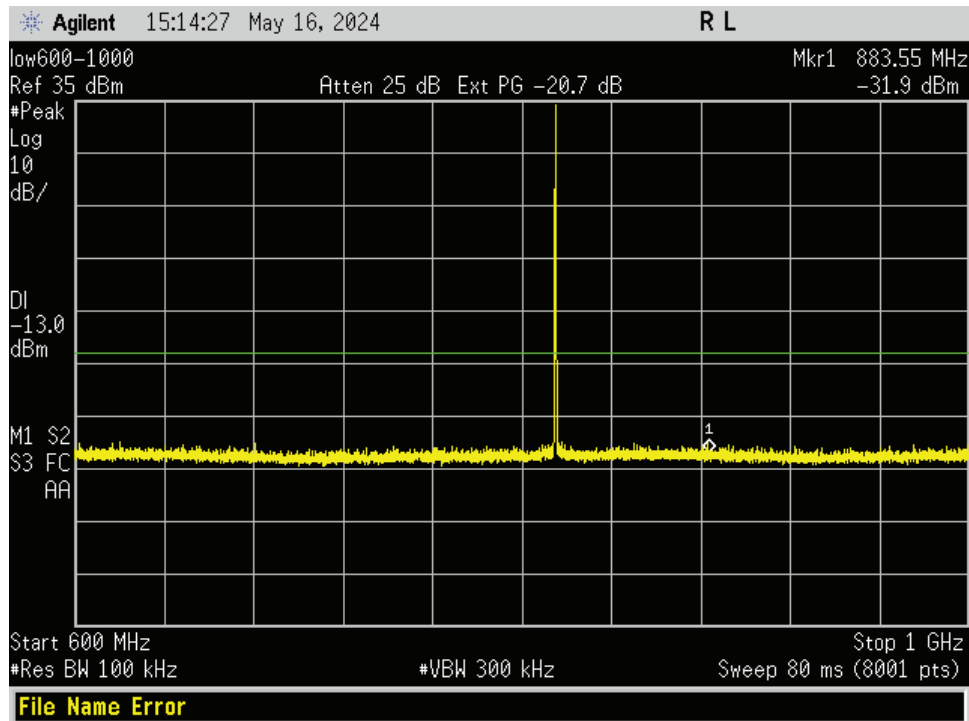


Figure 365. 815 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

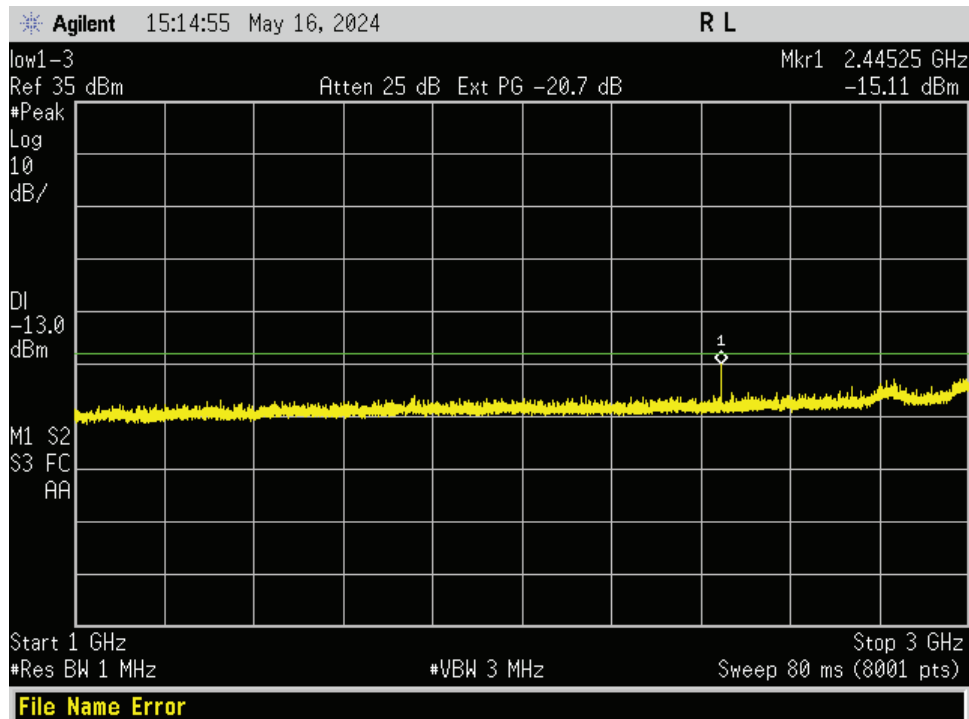


Figure 366. 815 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

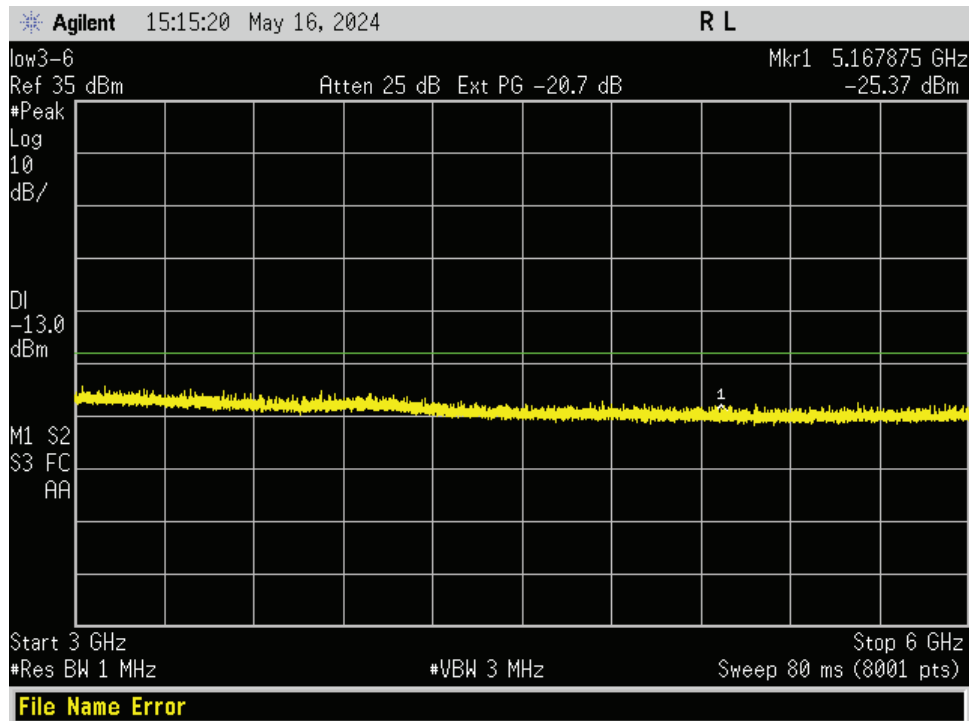


Figure 367. 815 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

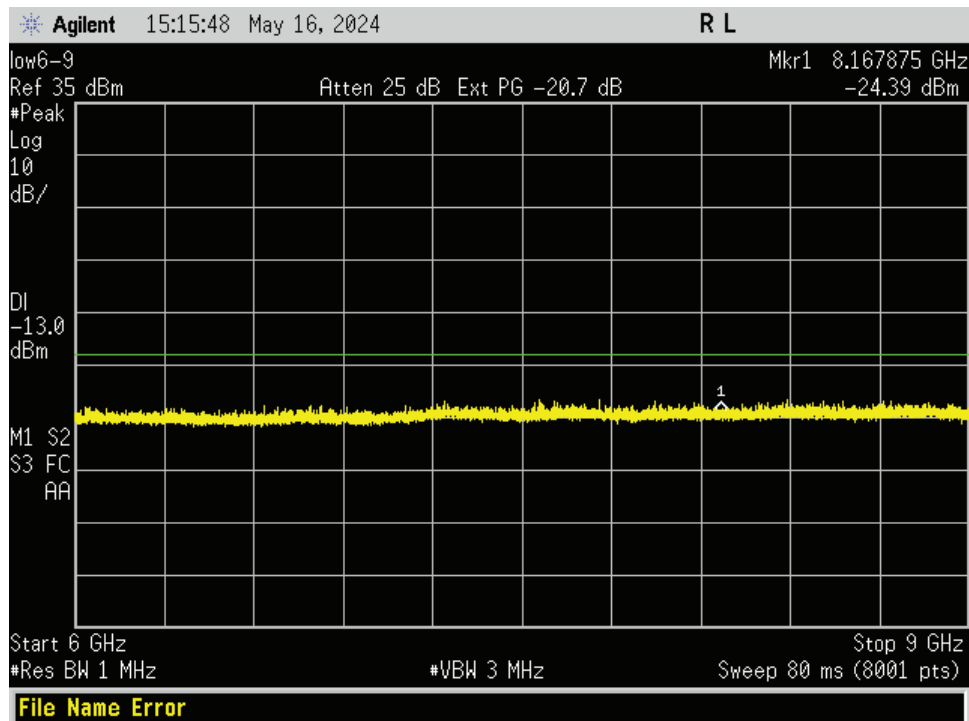


Figure 368. 815 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

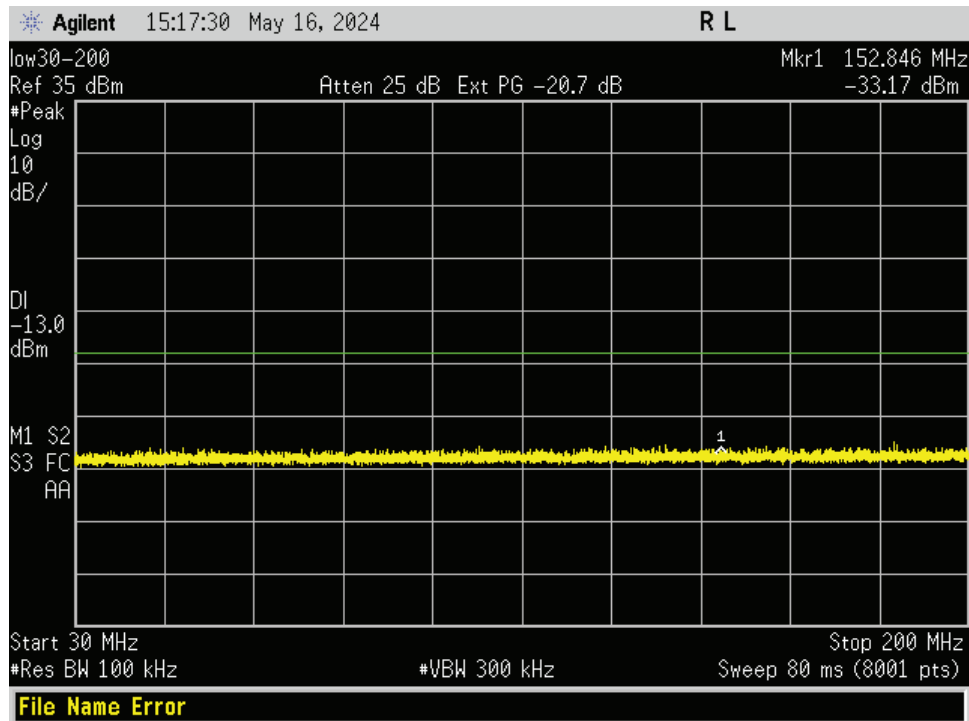


Figure 369. 824 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

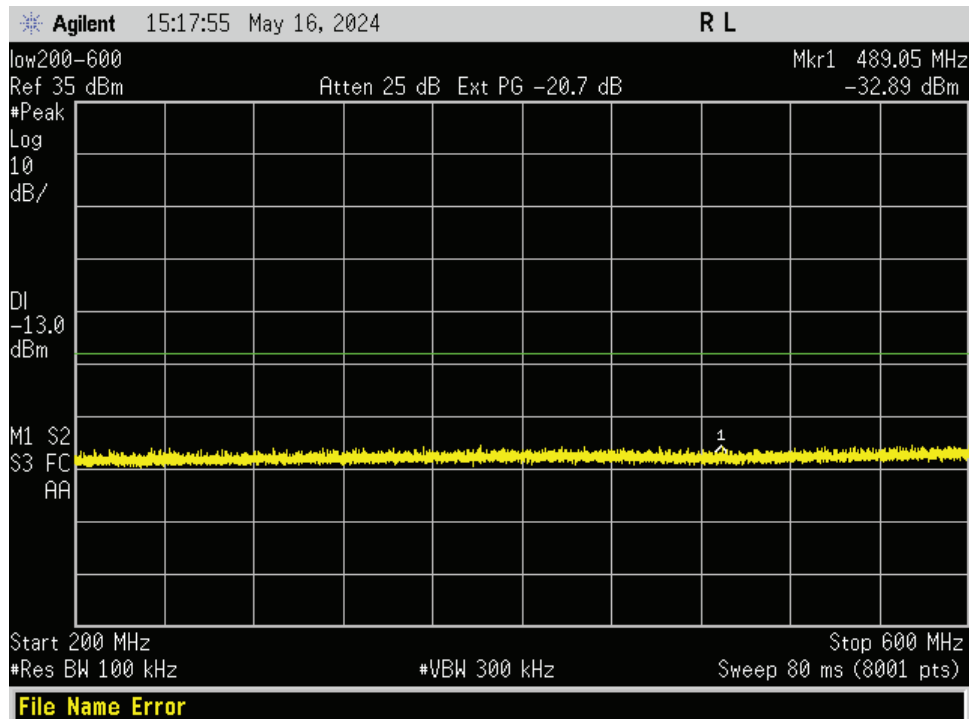


Figure 370. 824 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

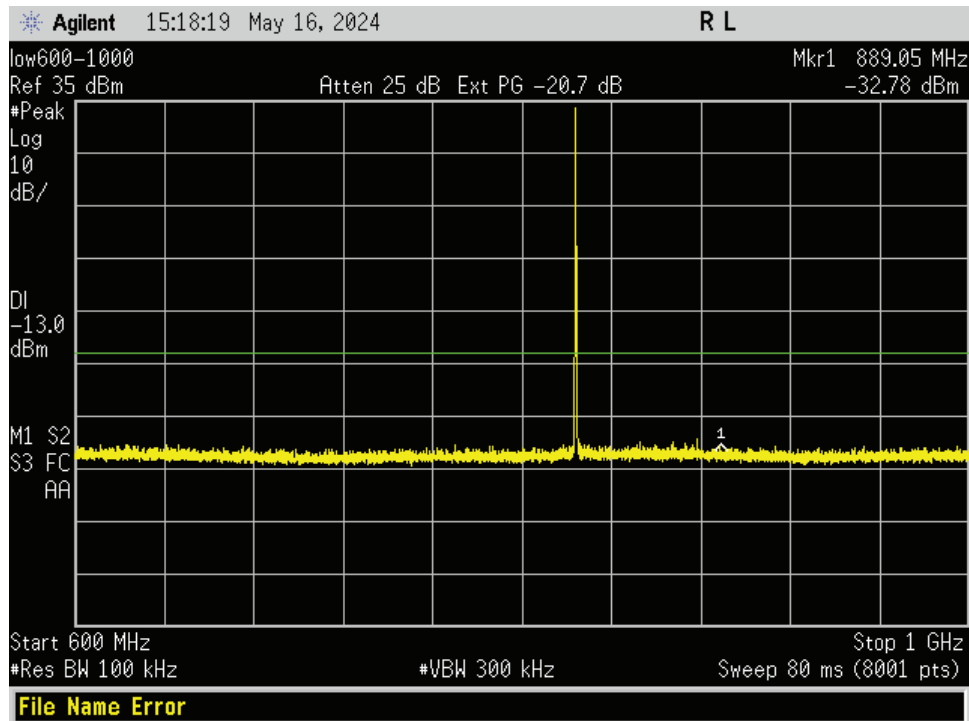


Figure 371. 824 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

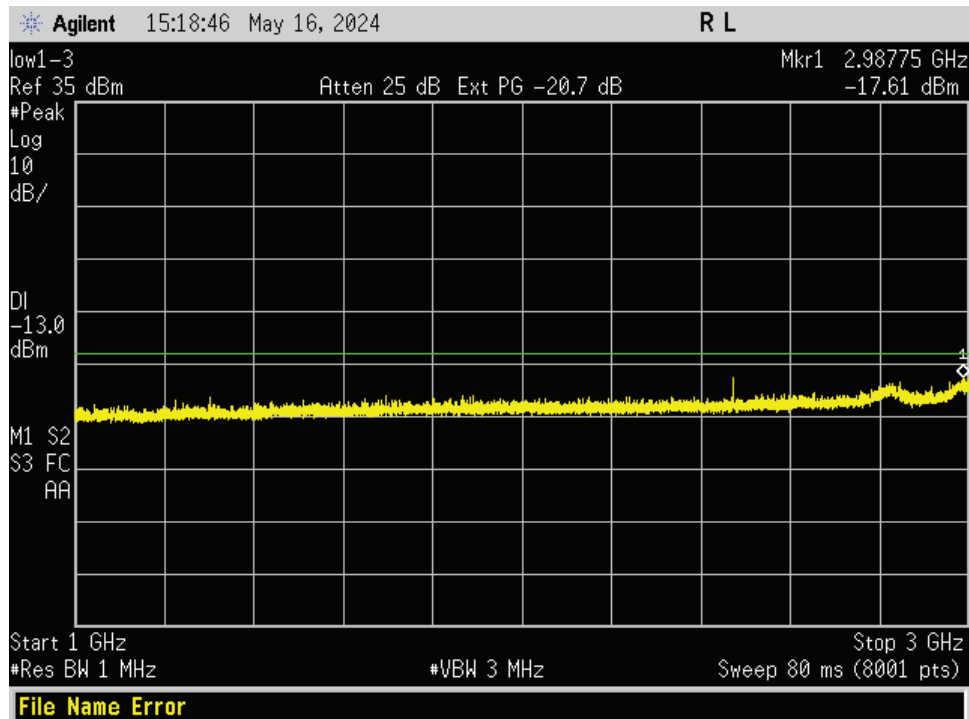


Figure 372. 824 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

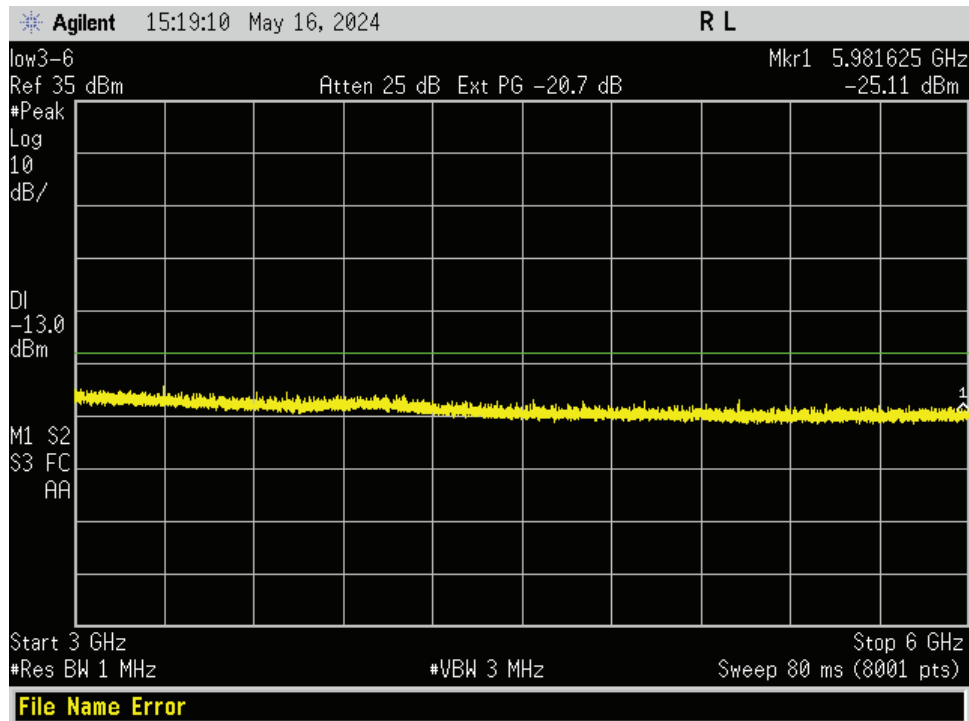


Figure 373. 824 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

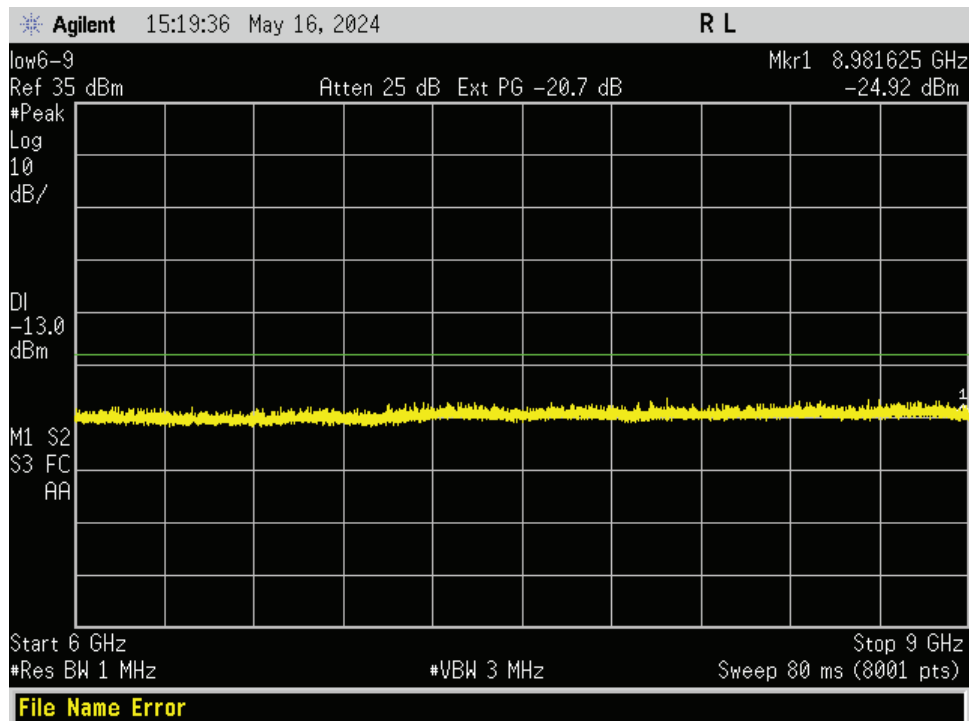


Figure 374. 824 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

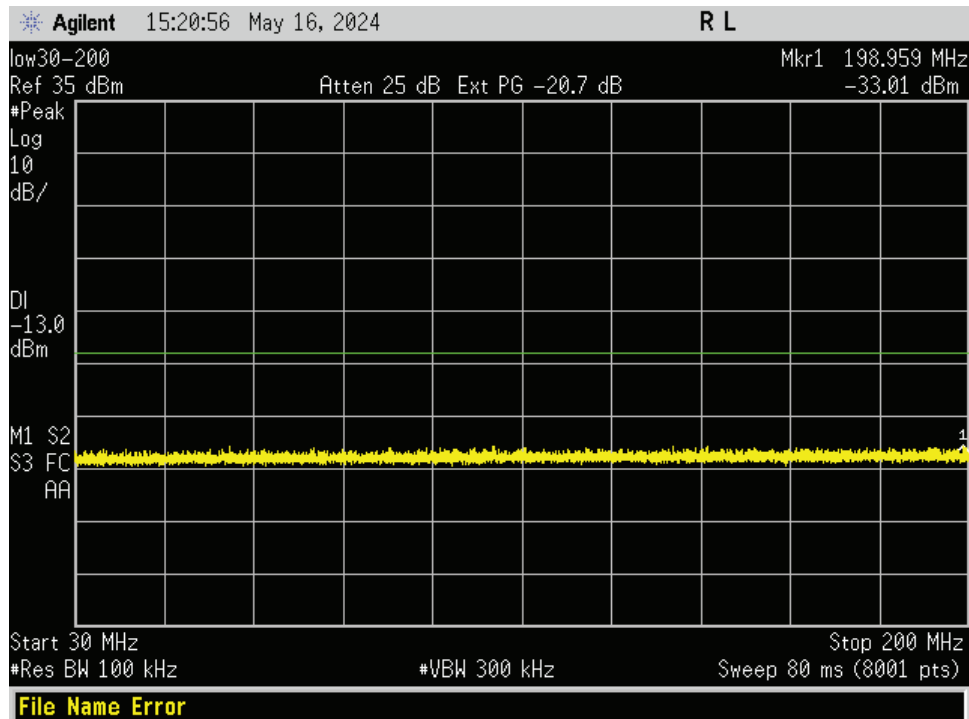


Figure 375. 851 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

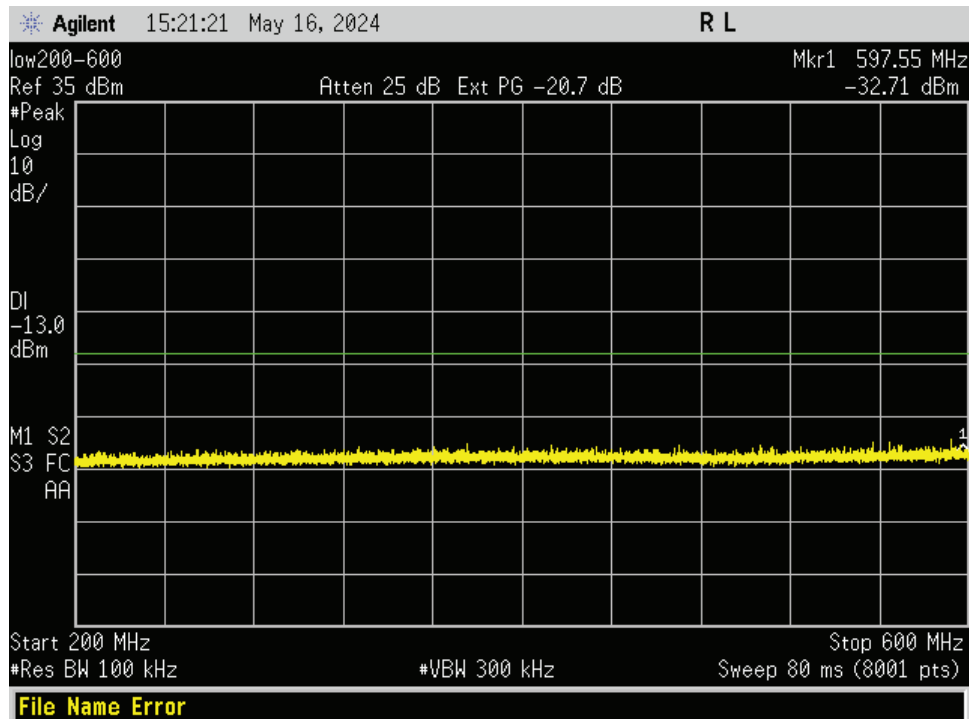


Figure 376. 851 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

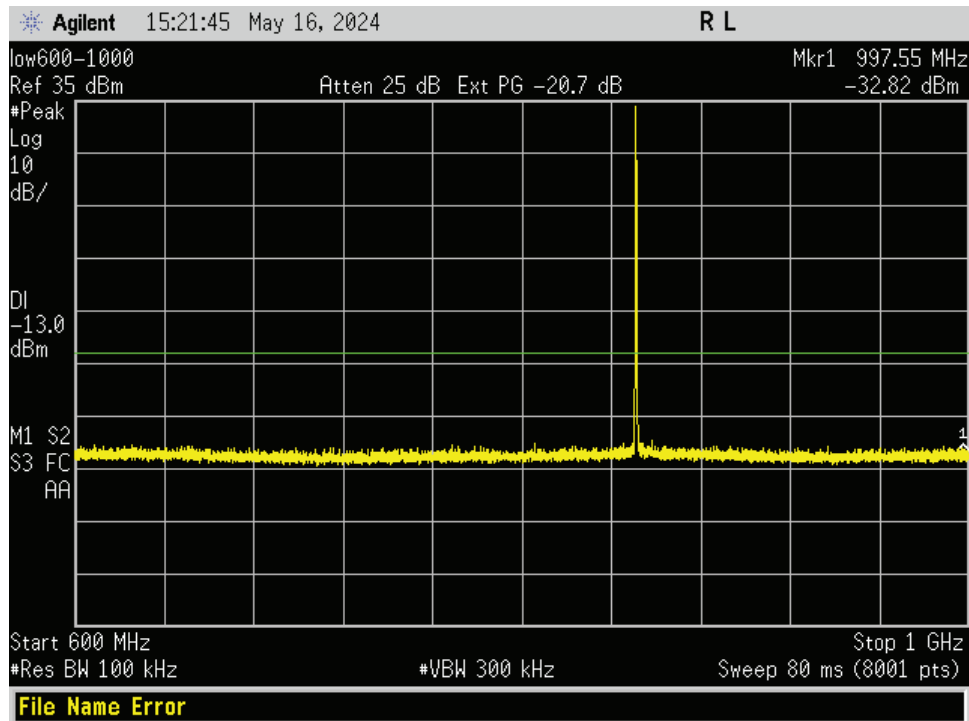


Figure 377. 851 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

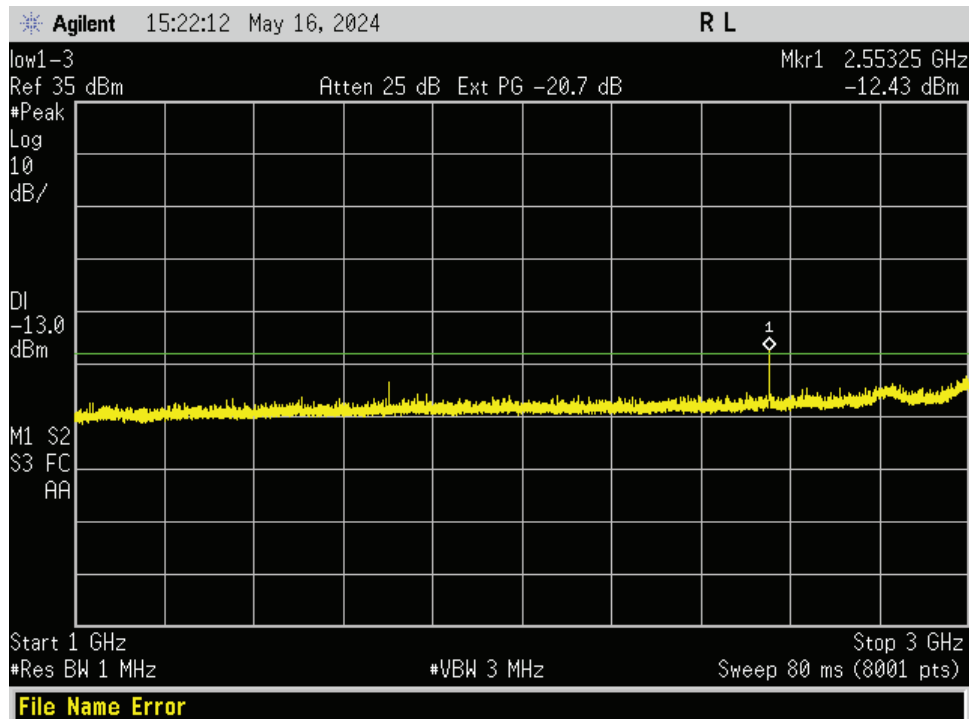


Figure 378. 851 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

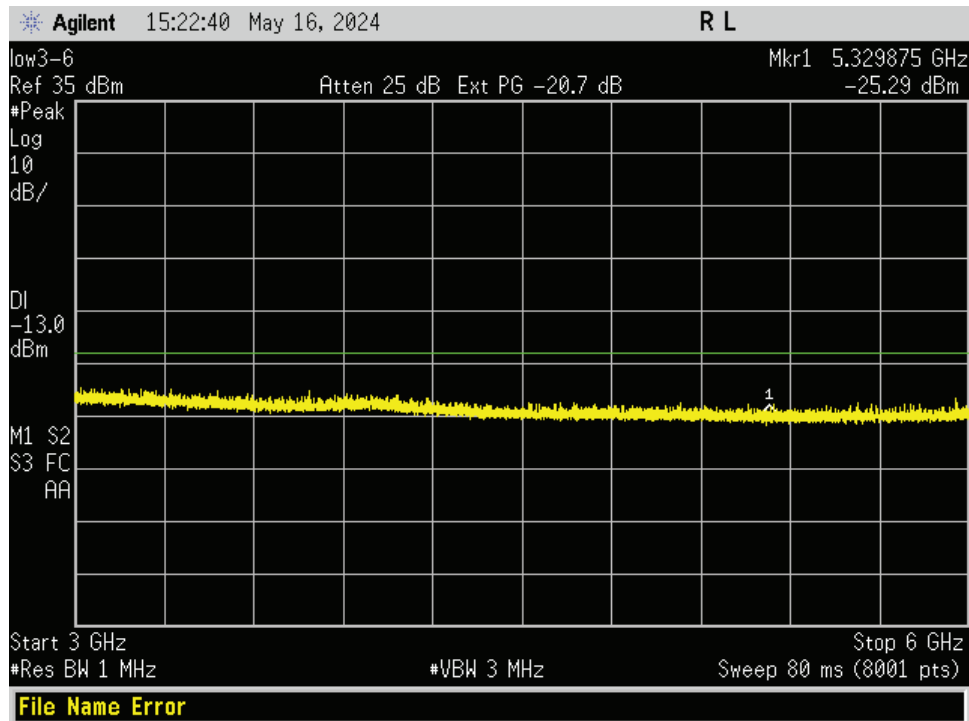


Figure 379. 851 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

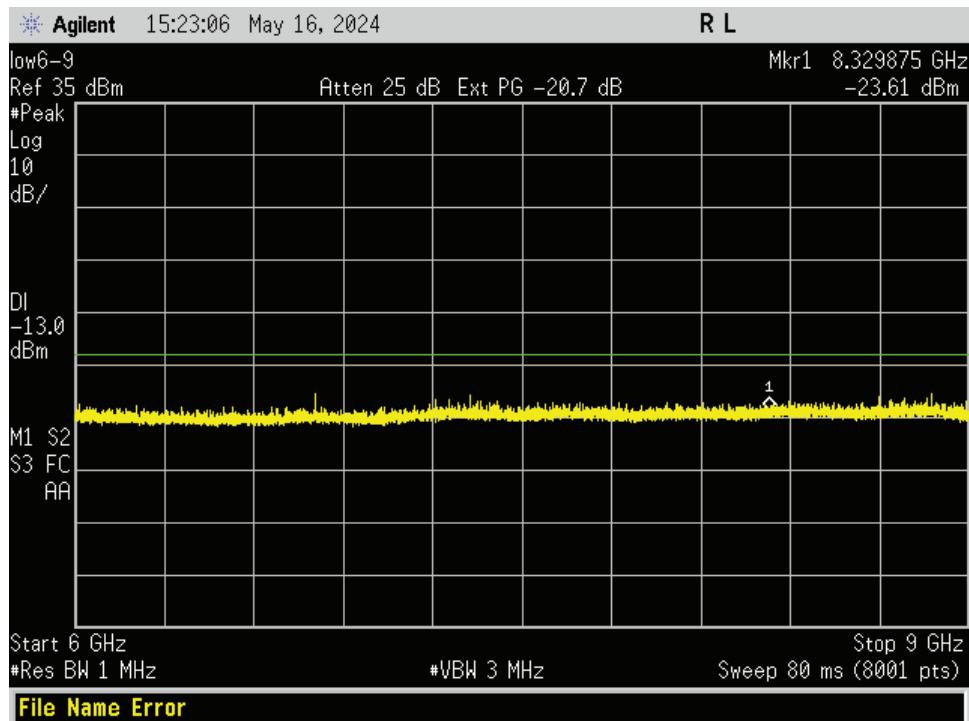


Figure 380. 851 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

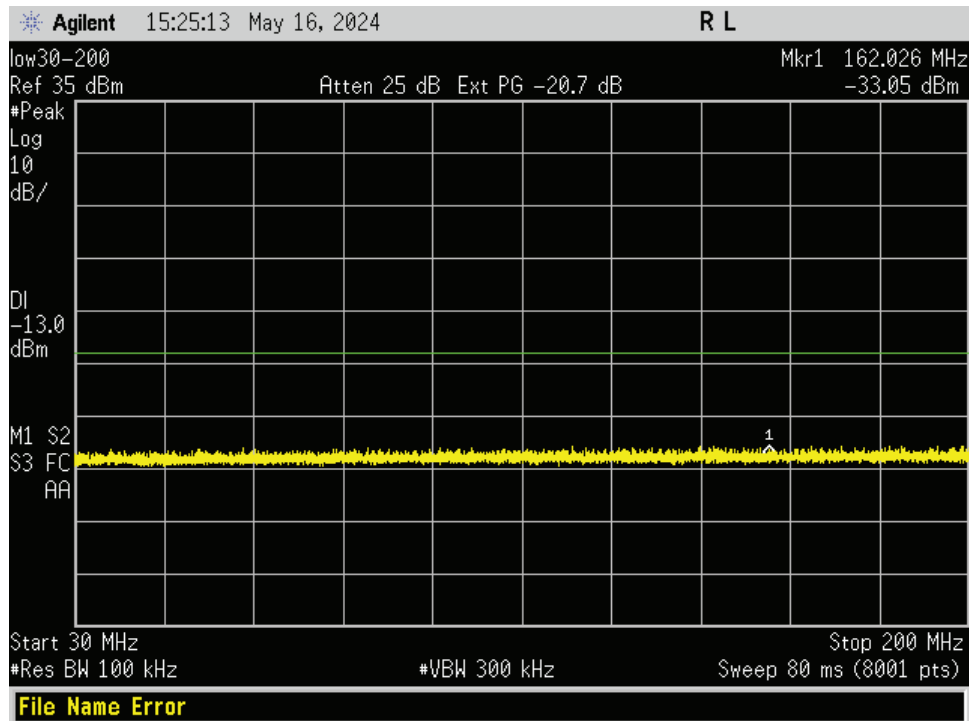


Figure 381. 860 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

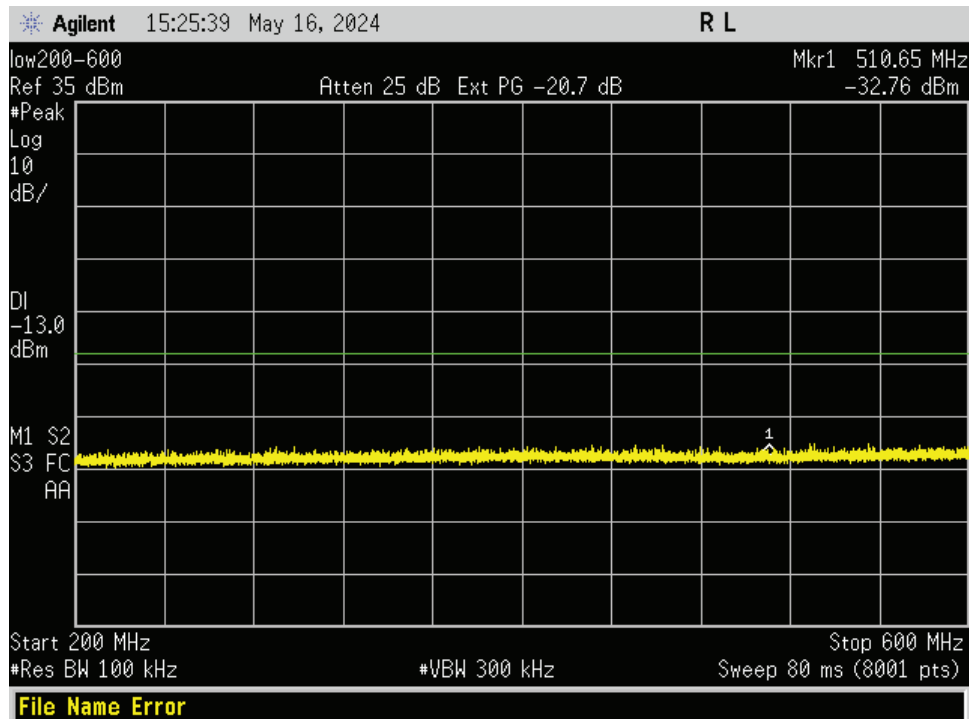


Figure 382. 860 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

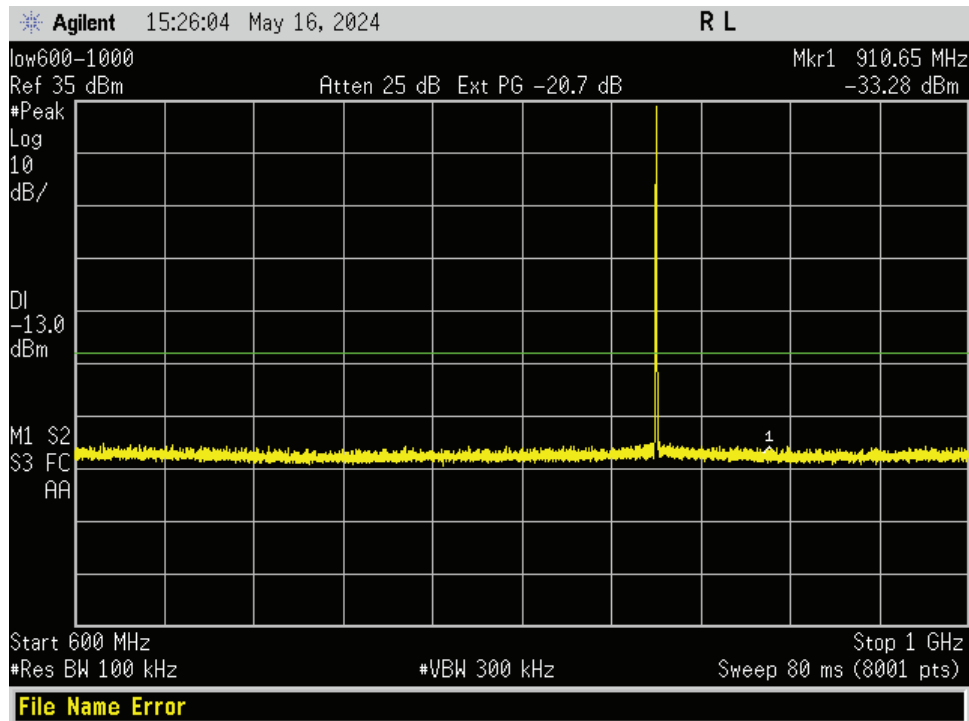


Figure 383. 860 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

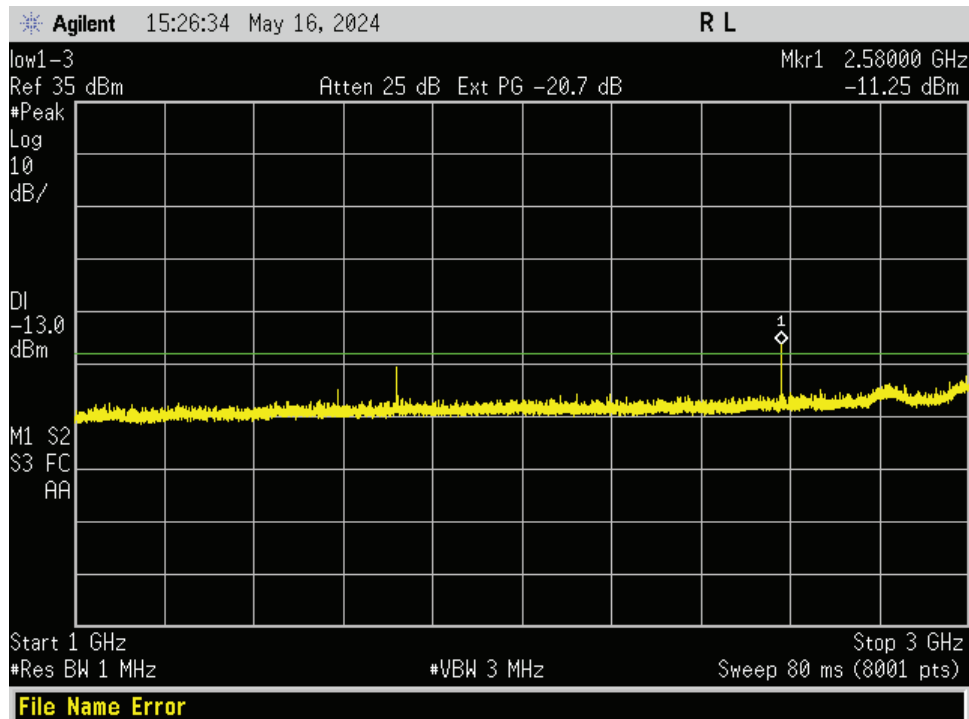


Figure 384. 860 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

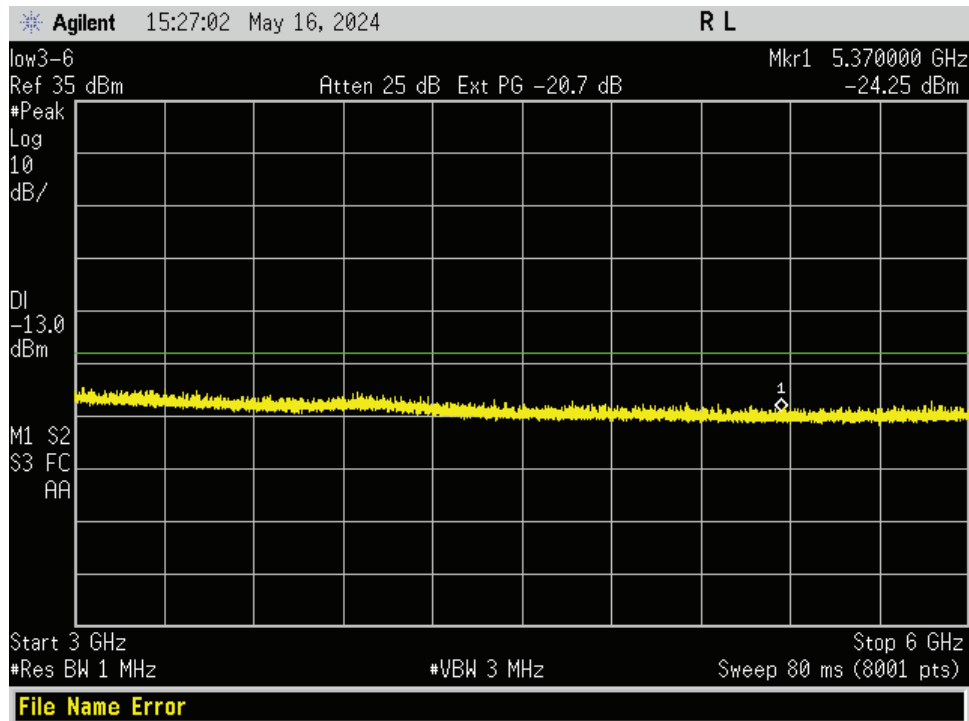


Figure 385. 860 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

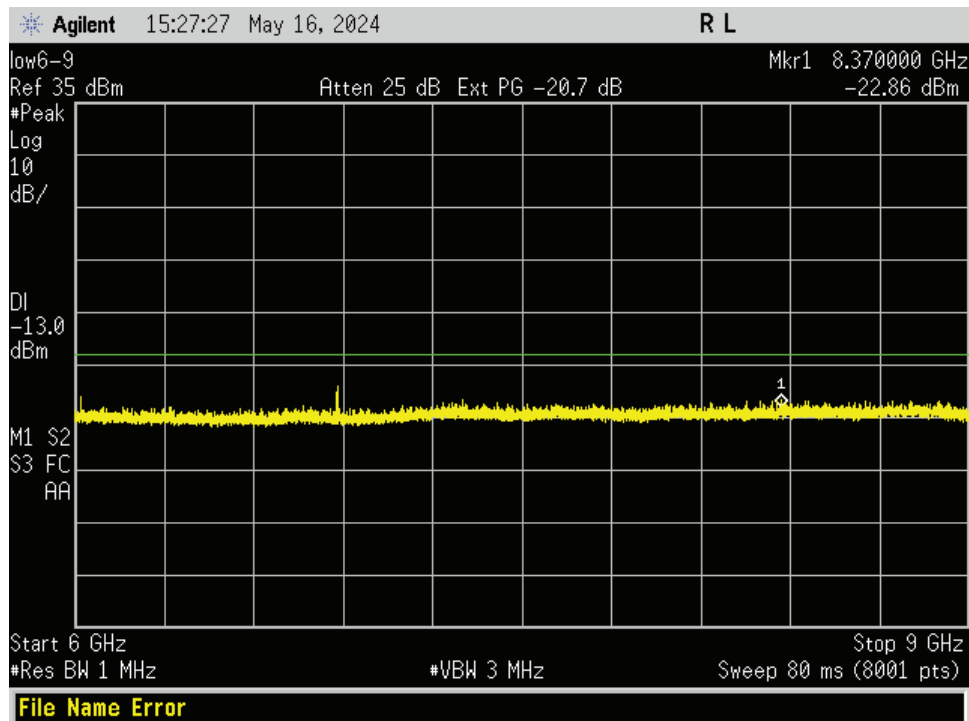


Figure 386. 860 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

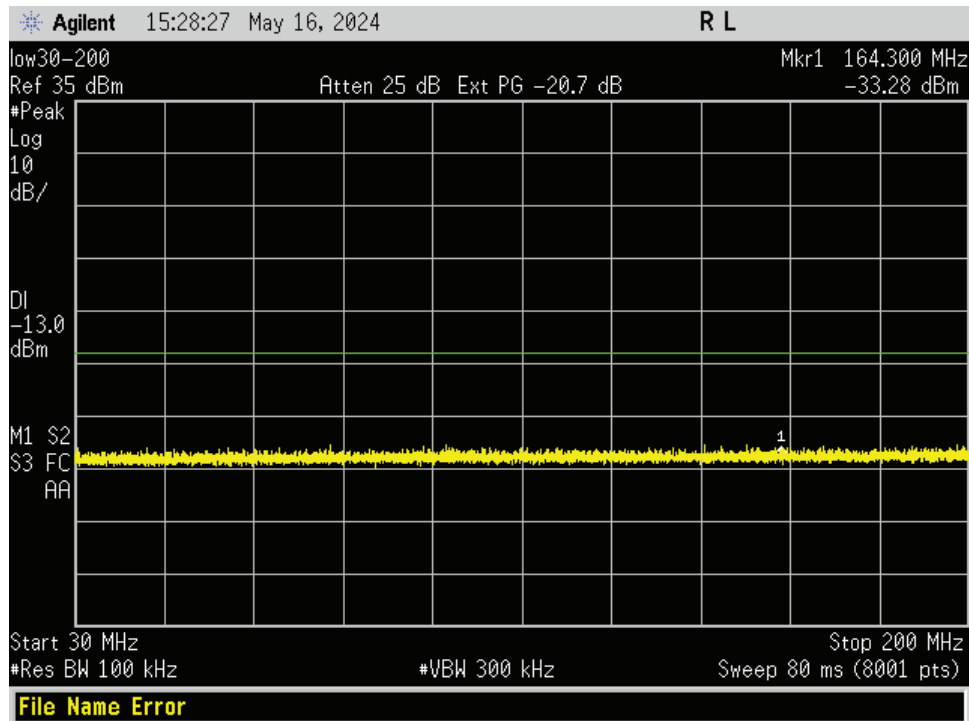


Figure 387. 869 MHz 30 - 200 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

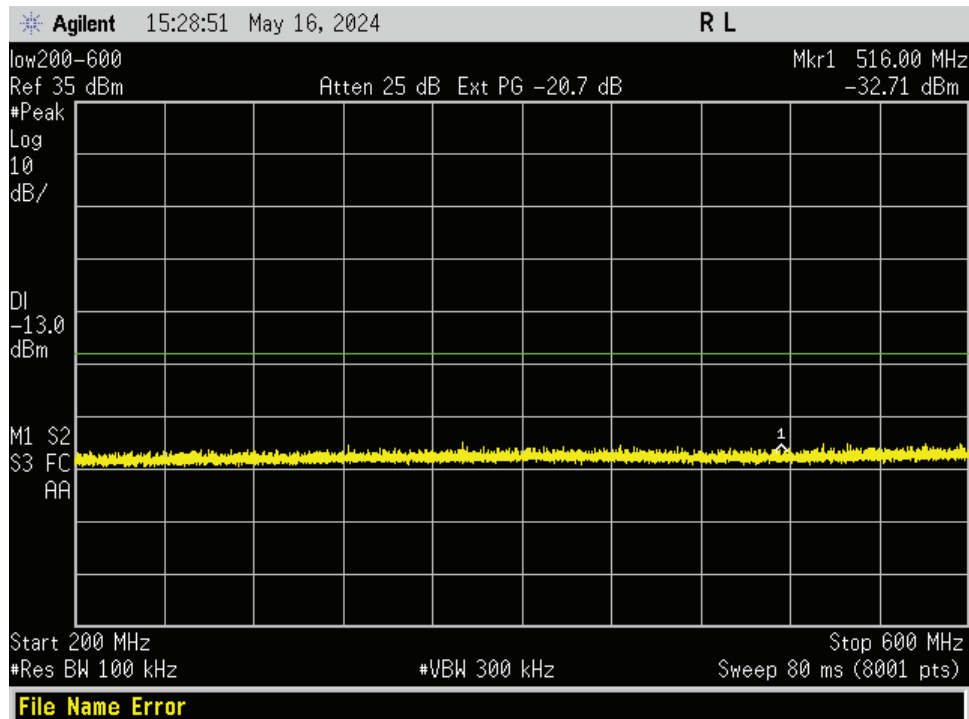


Figure 388. 869 MHz, 200 – 600 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

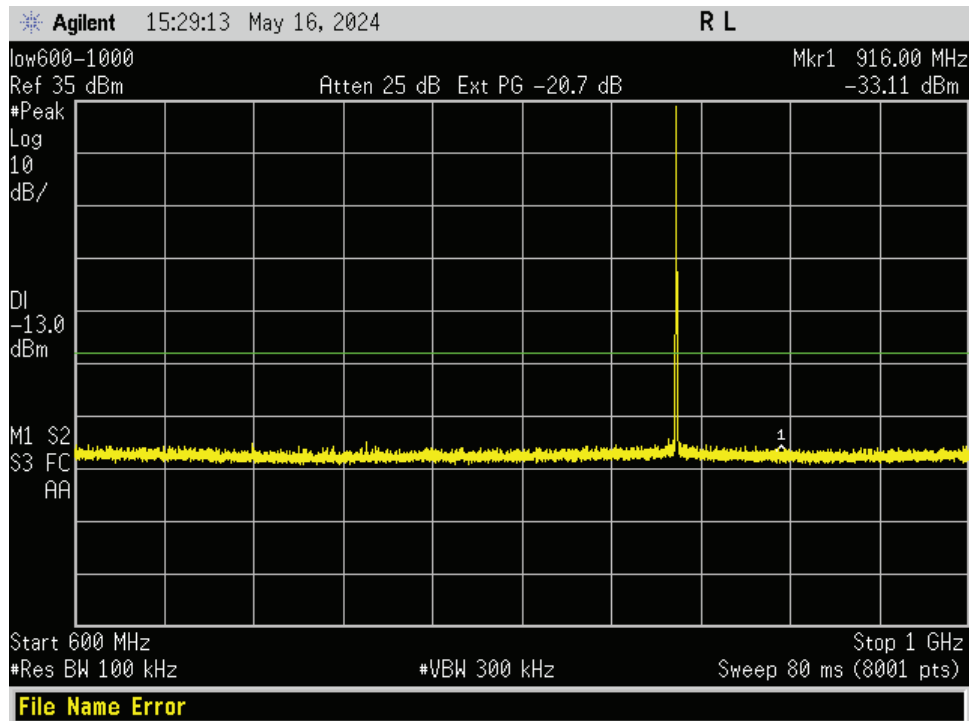


Figure 389. 869 MHz 600 - 1000 MHz

Note: All emissions other than fundamental and harmonics are below the limit.

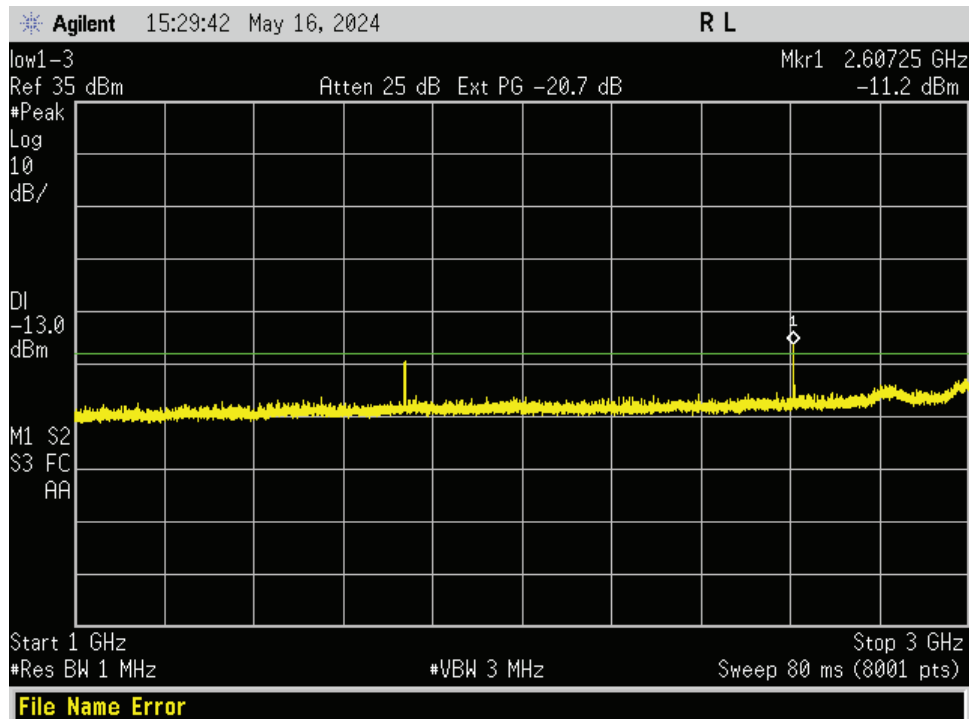


Figure 390. 869 MHz, 1 - 3 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

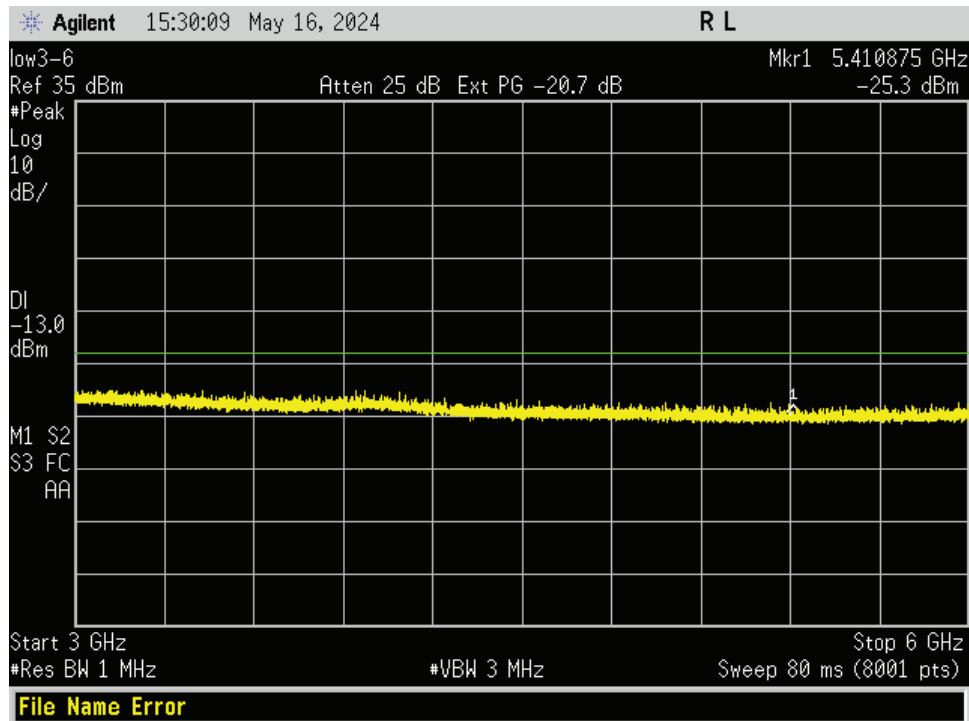


Figure 391. 869 MHz, 3 - 6 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

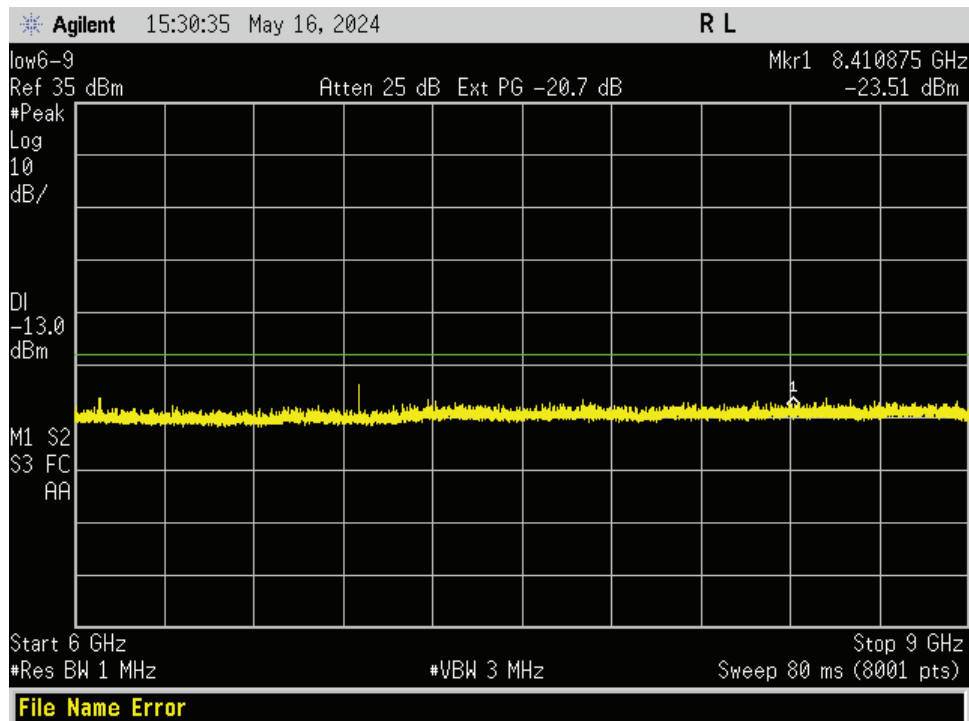


Figure 392. 869 MHz, 6 - 9 GHz

Note: All emissions other than fundamental and harmonics are below the limit.

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.13 AGC Threshold (KDB 935210 D05 v01r04 4.2)

The AGC Threshold data below is provide for recording purpose per KDB 935210.

2.13.1 Measuring AGC Threshold

The AGC threshold shall be determined by applying the procedure of 3.2 of KDB 953210 D05 v01r04 but with the signal generator configured to produce a test signal defined in Table 1 of the KDB document, a CW input signal or digitally modulated signal. In this case, a CW input signal with no modulation was used.

FREQ (MHz)	AGC Input (dBm)	Measured Output (dBm)	Gain (dB)	BAND
150	14	35.13	21.13	VHF
162	14	36.23	22.23	
174	14	36.41	22.41	
401	12	36.83	24.83	UHF
407	14	36.96	22.96	
421	11	32.75	21.75	
480	14	33.32	19.32	
512	14	35.68	21.68	700 MHz
758	12	35.12	23.12	
763	13	35.74	22.74	
768	13	35.73	22.73	
769	13	35.87	22.87	
775	13	35.87	22.87	
788	14	36.13	22.13	
798	14	36.15	22.15	
799	14	36.15	22.15	
805	14	36.15	22.15	
806	14	35.98	21.98	800 MHz
815	12	36.10	24.1	
824	13	34.18	21.18	
851	13	34.03	21.03	
860	13	33.79	20.79	
869	14	35.13	21.13	

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.14 Out-of-Band Rejection (KDB 935210 D05 v01r04 4.3)

The Out-of-Band Rejection data below is provided for recording purposes per KDB 935210.

2.14.1 Out-of-Band Rejection Measurement

The procedure detailed in 4.3 of the KDB was used to perform these measurements. Plots of the test results are provided below.

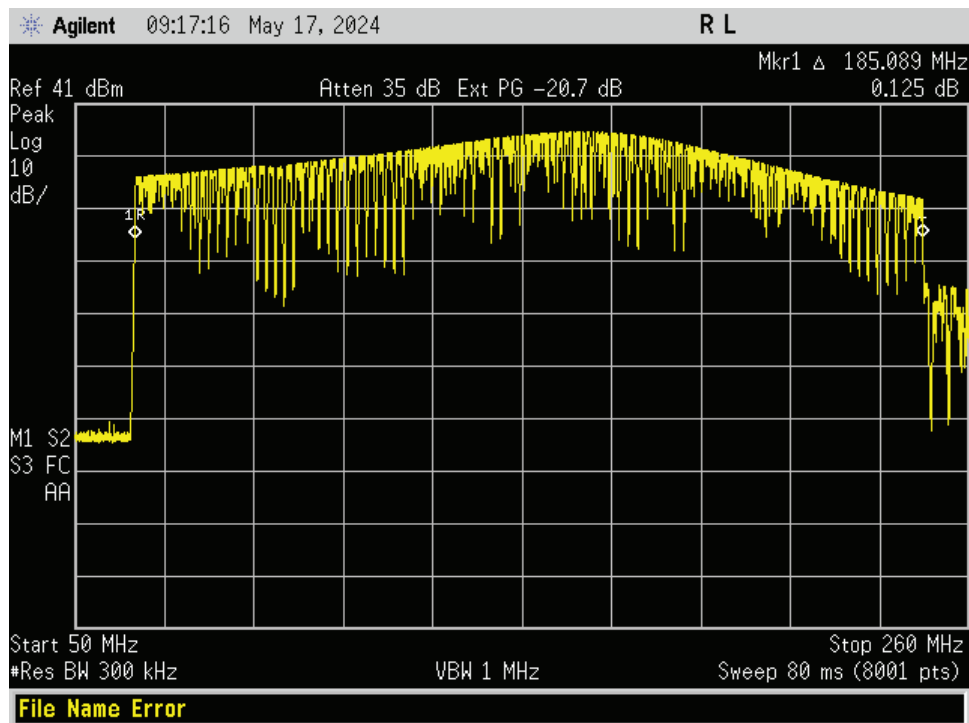


Figure 393. VHF Out-of-Band Rejection

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

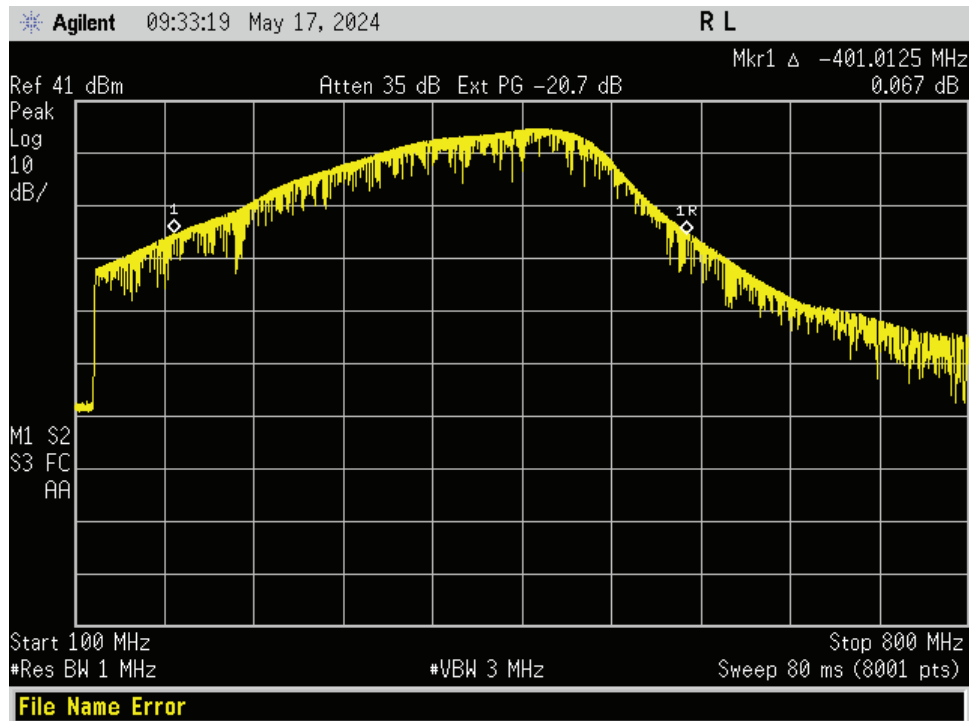


Figure 394. UHF Out-of-Band Rejection

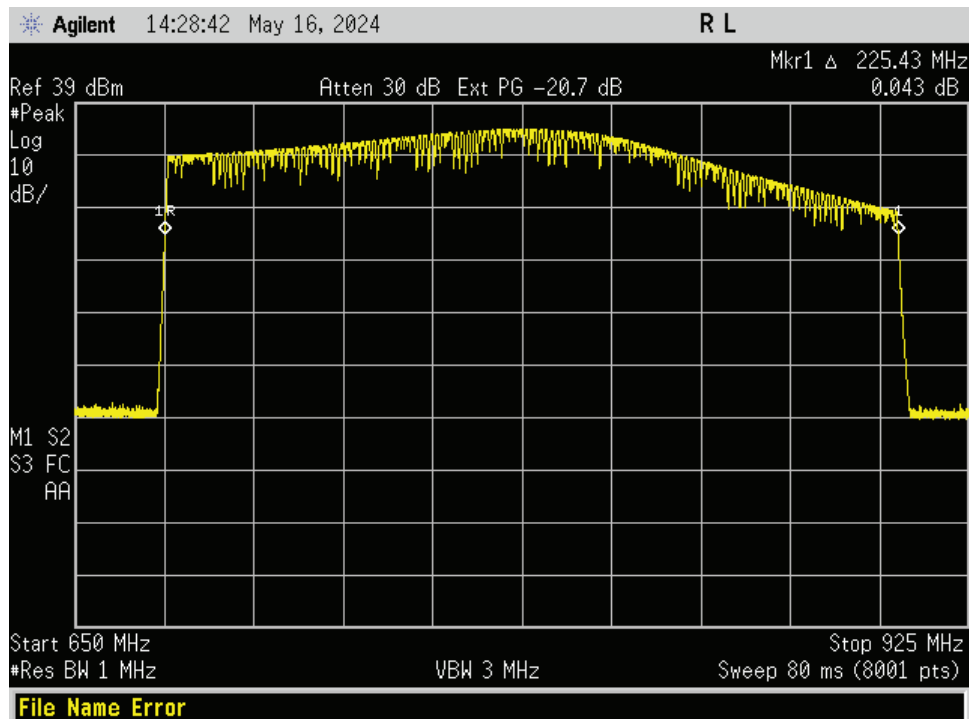


Figure 395. 700 MHz Out-of-Band Rejection

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

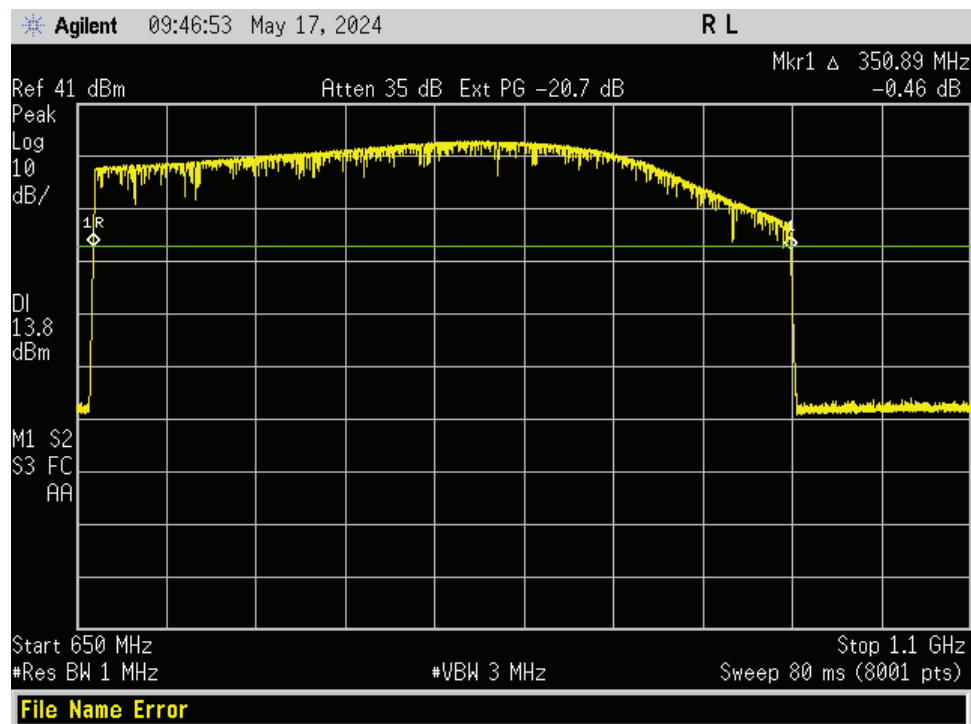


Figure 396. 800 MHz Out-of-Band Rejection

U.S. Tech Test Report:
FCC ID:
IC:
Report Number:
Issue Date:
Customer:
Model:

FCC Part 90 Certification
2AKSM-SAFE4
22303-SAFE4
24-0123
August 1, 2024
Safe-Com Wireless
SAFE-0002

2.15 Measurement Uncertainty

2.15.1 Radiated Spurious Emissions Measurement Uncertainty

For a measurement distance of 3 m, the measurement uncertainty (with a 95% confidence level) for this test using a Biconical Antenna (30 MHz to 200 MHz) is ± 5.39 dB. This value includes all elements of measurement.

The measurement uncertainty (with a 95% confidence level) for this test using a Log Periodic Antenna (200 MHz to 1000 MHz) is ± 5.18 dB

The measurement uncertainty (with a 95% confidence level) for this test using a Horn Antenna is ± 5.21 dB (3 m distance).

2.15.2 Conducted Radio Emissions Measurement Uncertainty

Measurement uncertainty (within a 95% confidence level) for this test is ± 1.5 dB.

3 Conclusions

3.1 Test Outcome

Based on the test results shown above, the EUT is deemed to comply with all relevant requirements for Part 90.219 and RSS-131 Clause 6.