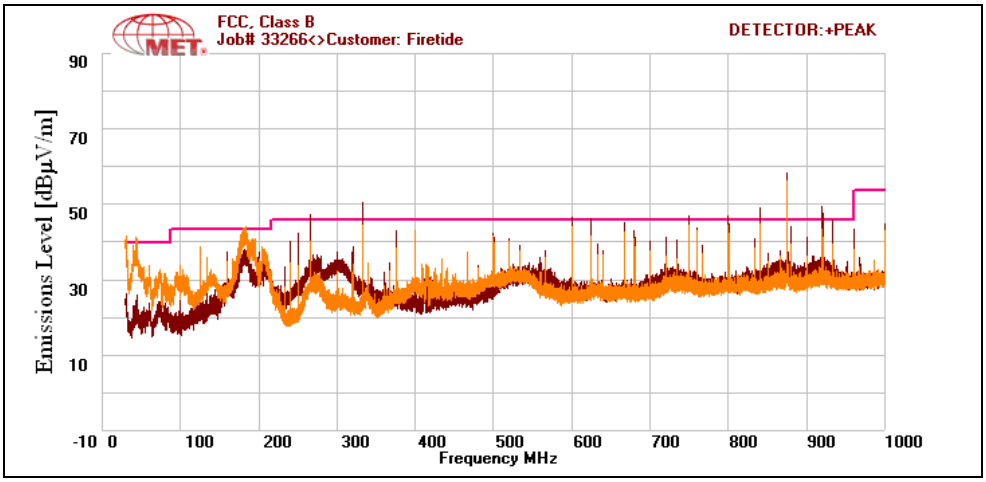
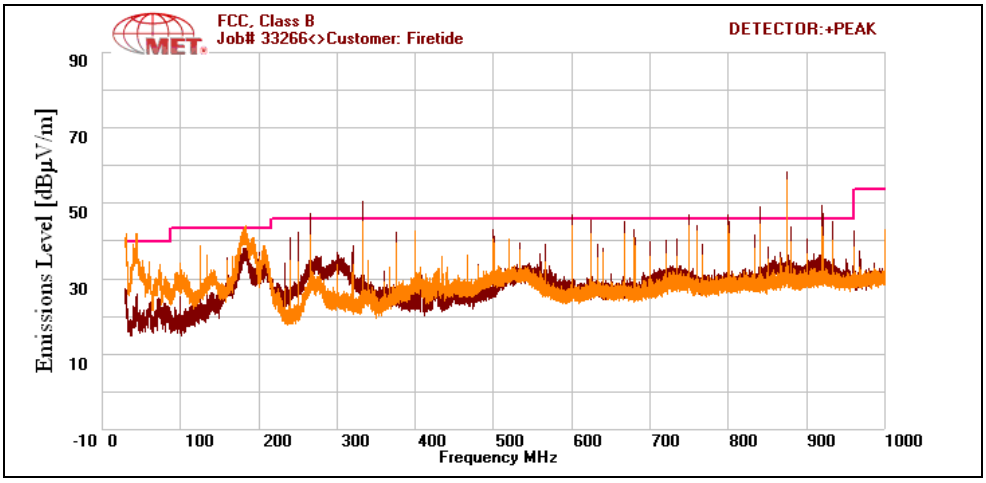
Radiated Spurious Emissions, 802.11n 40 MHz, 15 dBi Sector

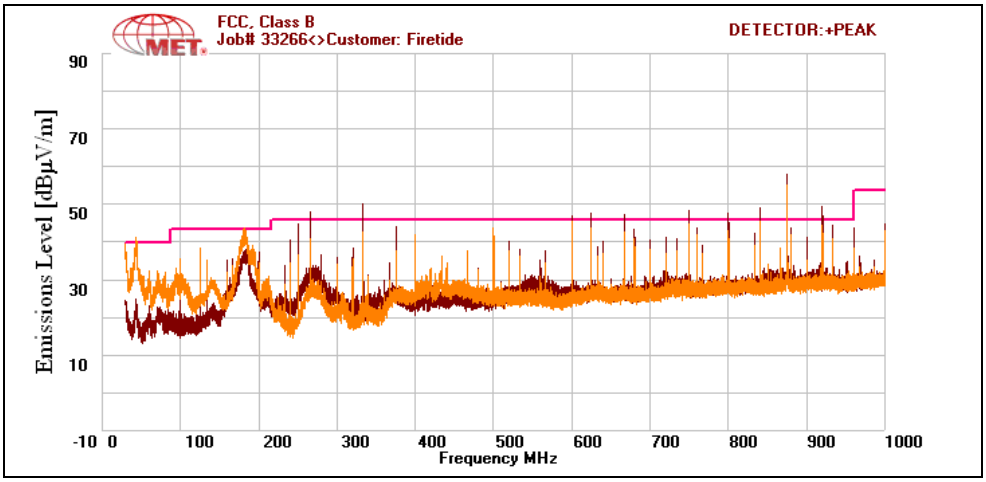


Plot 217. Radiated Spurs, Low Channel, 802.11n 40 MHz, 15 dBi Sector

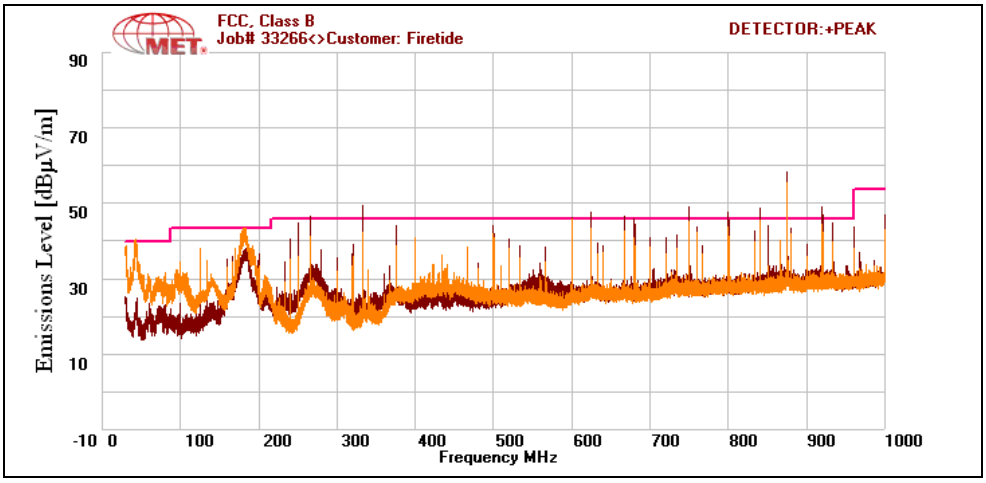


Plot 218. Radiated Spurs, High Channel, 802.11n 40 MHz, 15 dBi Sector

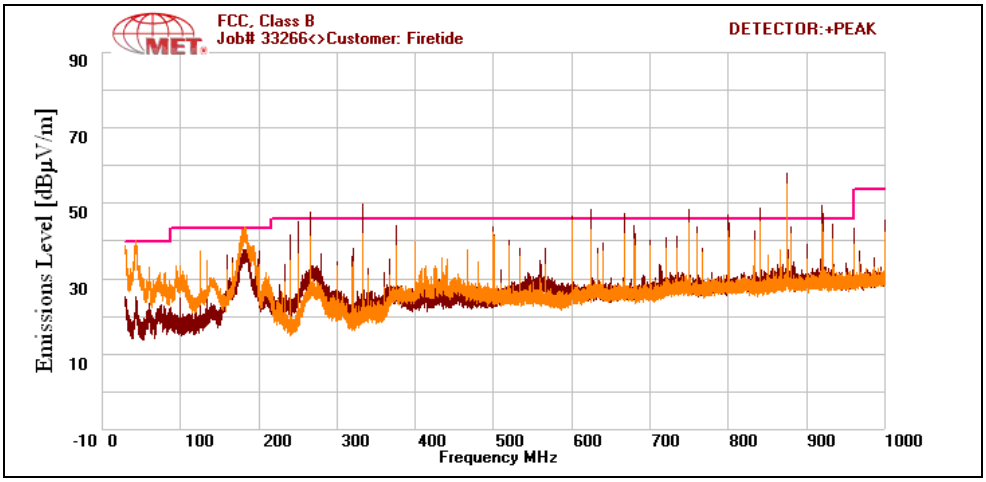
Radiated Spurious Emissions, 802.11a, 16 dBi Panel



Plot 219. Radiated Spurs, Low Channel, 802.11a, 16 dBi Panel

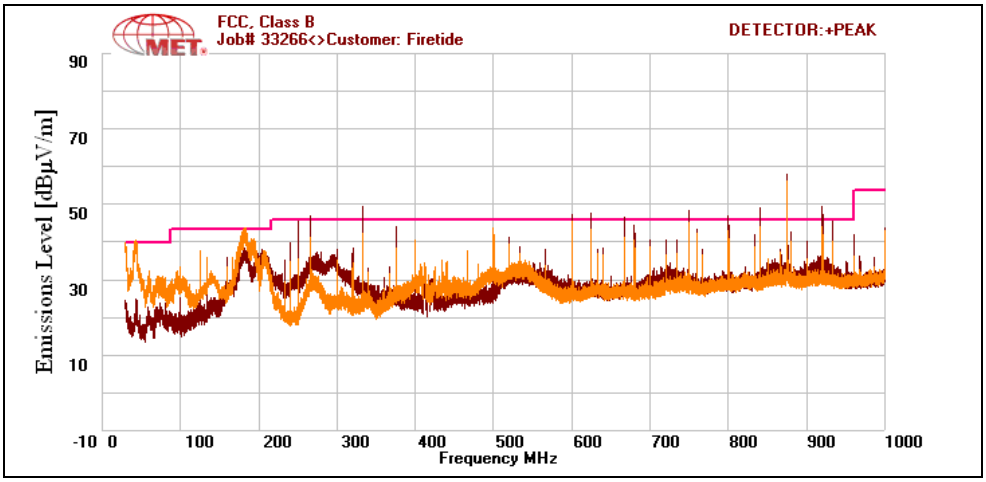


Plot 220. Radiated Spurs, Mid Channel, 802.11a, 16 dBi Panel

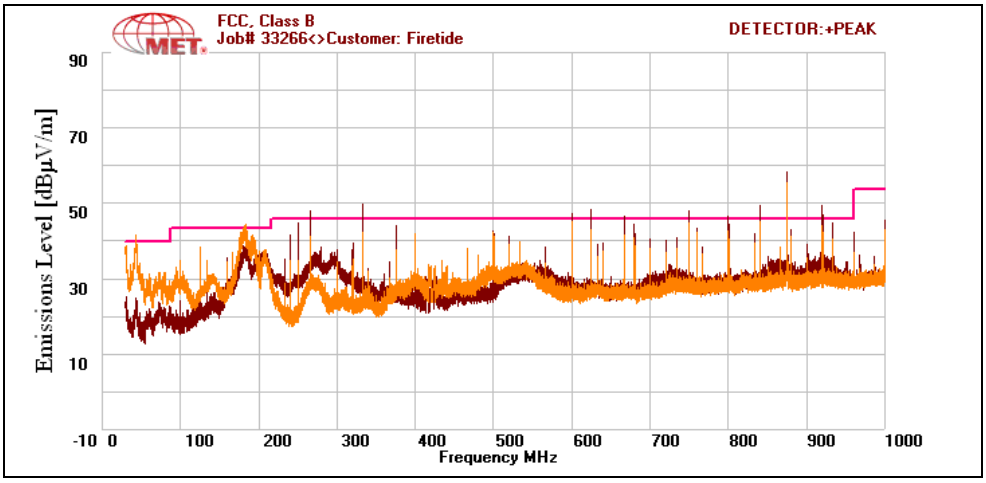


Plot 221. Radiated Spurs, High Channel, 802.11a, 16 dBi Panel

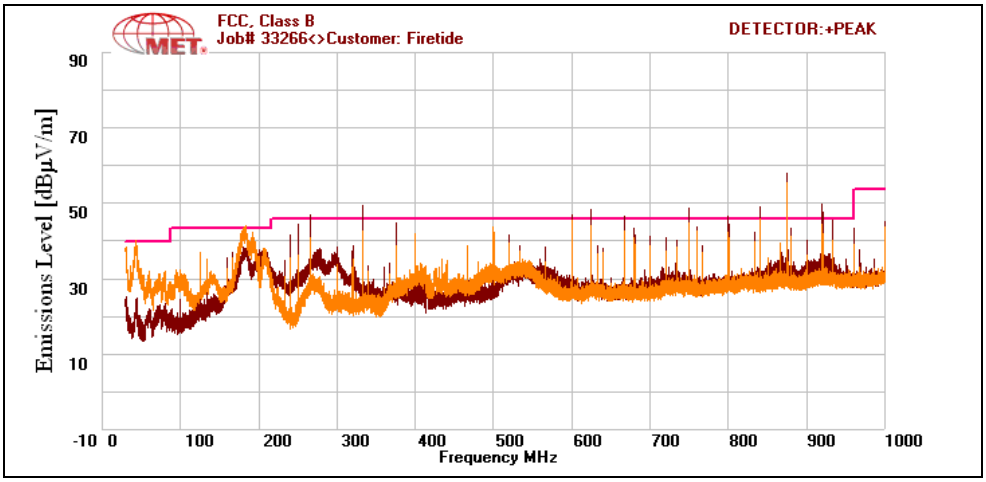
Radiated Spurious Emissions, 802.11n 5 MHz, 16 dBi Panel



Plot 222. Radiated Spurs, Low Channel, 802.11n 5 MHz, 16 dBi Panel

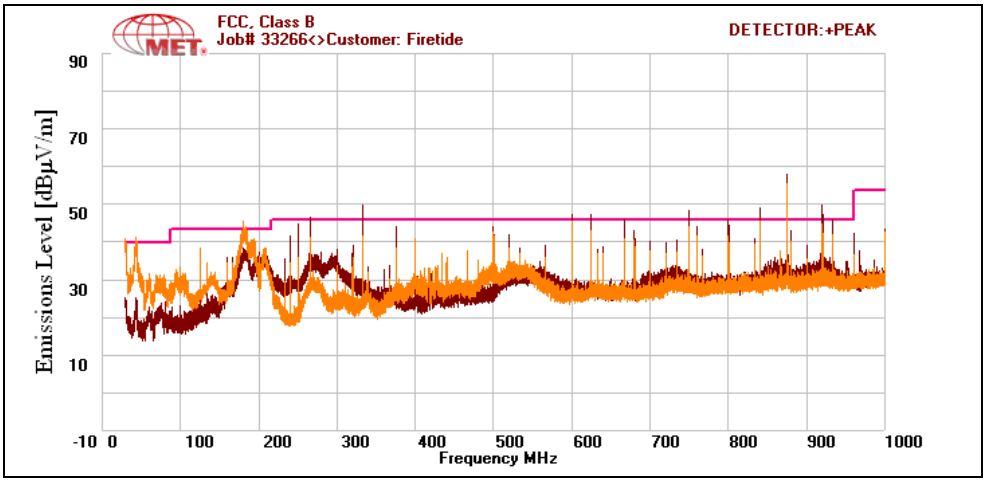


Plot 223. Radiated Spurs, Mid Channel, 802.11n 5 MHz, 16 dBi Panel

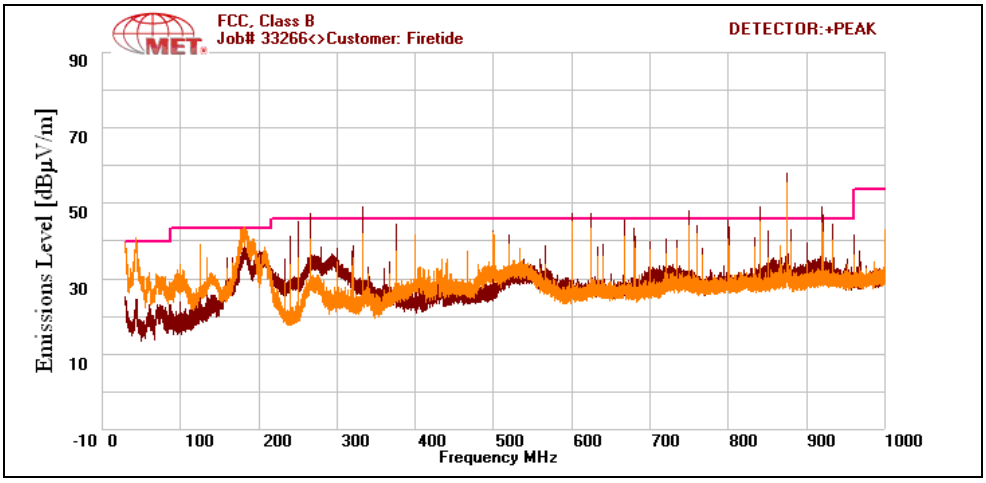


Plot 224. Radiated Spurs, High Channel, 802.11n 5 MHz, 16 dBi Panel

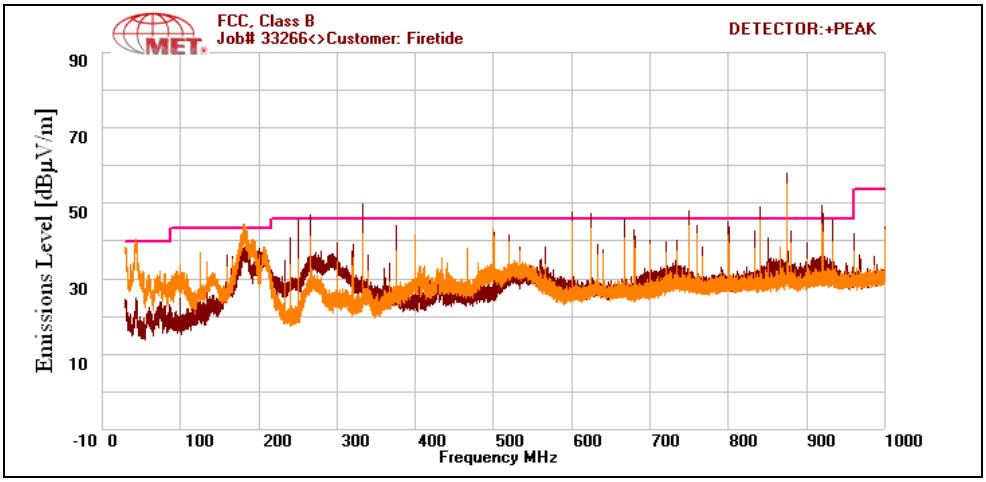
Radiated Spurious Emissions, 802.11n 10 MHz, 16 dBi Panel



Plot 225. Radiated Spurs, Low Channel, 802.11n 10 MHz, 16 dBi Panel

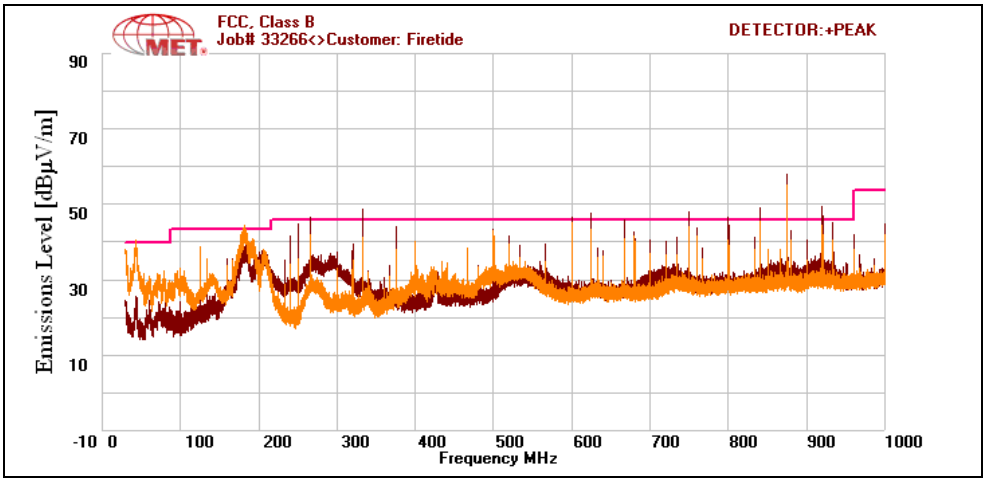


Plot 226. Radiated Spurs, Mid Channel, 802.11n 10 MHz, 16 dBi Panel

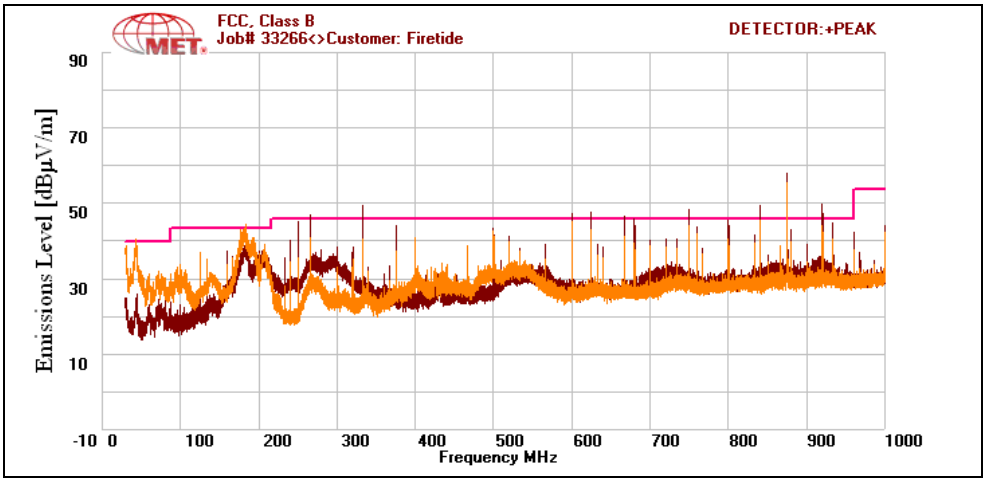


Plot 227. Radiated Spurs, High Channel, 802.11n 10 MHz, 16 dBi Panel

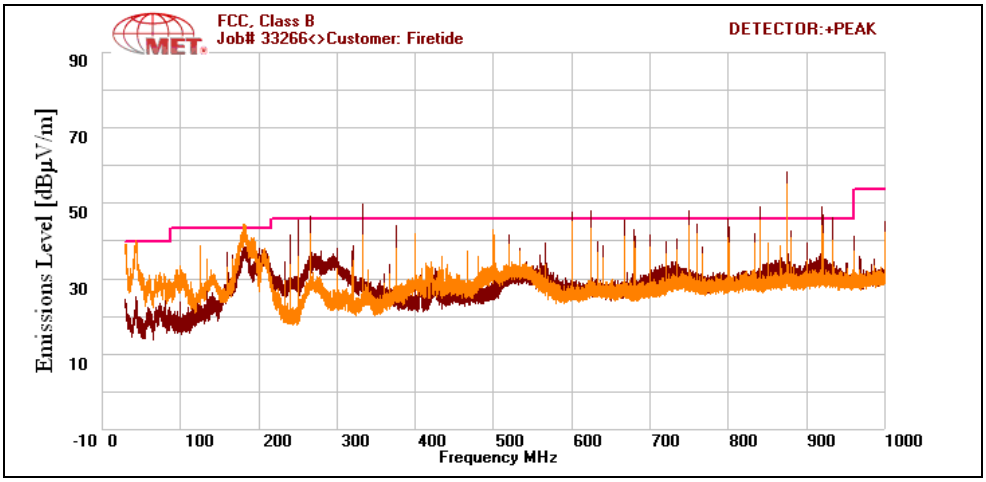
Radiated Spurious Emissions, 802.11n 20 MHz, 16 dBi Panel



Plot 228. Radiated Spurs, Low Channel, 802.11n 20 MHz, 16 dBi Panel

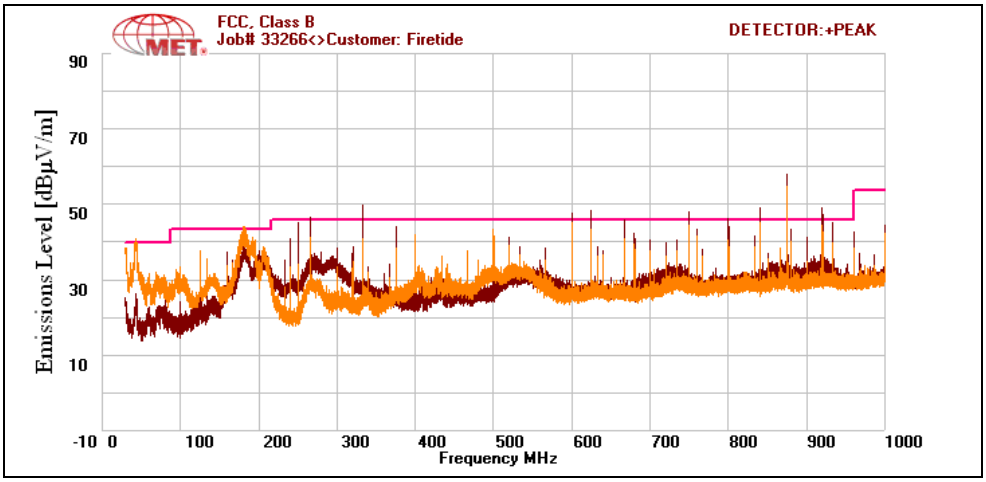


Plot 229. Radiated Spurs, Mid Channel, 802.11n 20 MHz, 16 dBi Panel

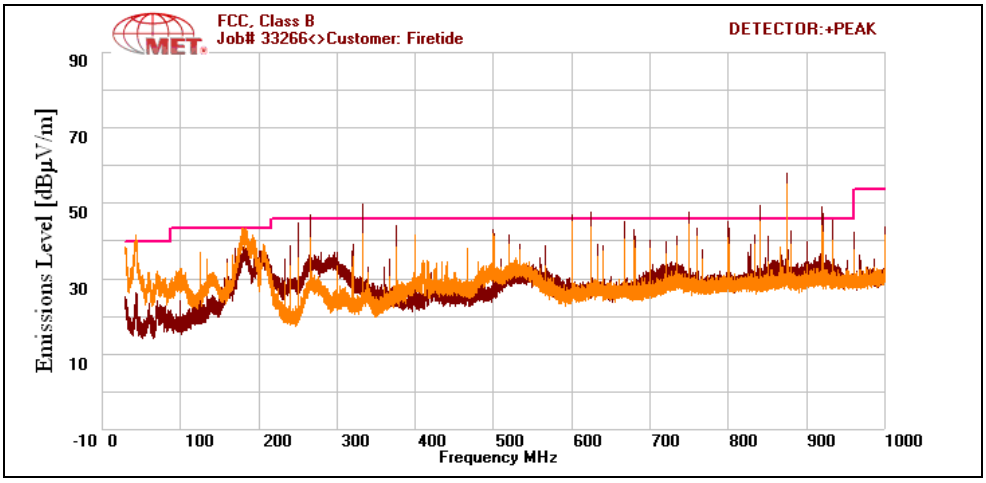


Plot 230. Radiated Spurs, High Channel, 802.11n 20 MHz, 16 dBi Panel

Radiated Spurious Emissions, 802.11n 40 MHz, 16 dBi Panel



Plot 231. Radiated Spurs, Low Channel, 802.11n 40 MHz, 16 dBi Panel



Plot 232. Radiated Spurs, High Channel, 802.11n 40 MHz, 16 dBi Panel

EIRP

	Band Edge Freq.	Uncorrected (dBuV)	Cable Loss	ACF	Corrected	Limit (dBm)	Limit (dBuv/m)	Margin
802.11a	5715	20.85	3.583	34.458	58.891	-27	68.24	-9.349
	5725	35.44	3.567	34.472	73.479	-17	78.24	-4.761
	5825	31.94	3.532	34.642	70.114	-17	78.23	-8.116
	5835	20.05	3.538	34.673	58.261	-27	68.24	-9.979
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 5MHz	5715	19.88	3.583	34.458	57.921	-27	68.24	-10.319
	5725	20.44	3.567	34.472	58.479	-17	78.24	-19.761
	5825	19.38	3.532	34.642	57.554	-17	78.24	-20.686
	5835	18.92	3.538	34.673	57.131	-27	68.24	-11.109
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 10MHz	5715	20.12	3.583	34.458	58.161	-27	68.24	-10.079
	5725	23.41	3.567	34.472	61.449	-17	78.24	-16.791
	5825	23	3.532	34.642	61.174	-17	78.24	-17.066
	5835	19.79	3.538	34.673	58.001	-27	68.24	-10.239
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 20MHz	5715	26.19	3.583	34.458	64.231	-27	68.24	-4.009
	5725	38.35	3.567	34.472	76.389	-17	78.24	-1.851
	5825	36.05	3.532	34.642	74.224	-17	78.24	-4.016
	5835	26.61	3.538	34.673	64.821	-27	68.24	-3.419
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 40MHz	5715	28.7	3.583	34.458	66.741	-27	68.24	-1.499
	5725	36.19	3.567	34.472	74.229	-17	78.24	-4.011
	5825	35.75	3.532	34.642	73.924	-17	78.24	-4.316
	5835	29.47	3.538	34.673	67.681	-27	68.24	-0.559

Table 22. EIRP Calculation, 9 dBi Omni

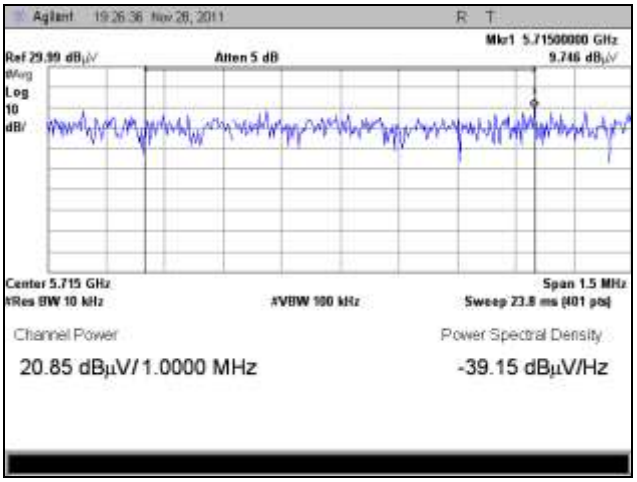
	Band Edge Freq.	Uncorrected (dBuV)	Cable Loss	ACF	Corrected	Limit (dBm)	Limit (dBuv/m)	Margin
802.11a	5715	22.22	3.583	34.458	60.261	-27	68.24	-7.979
	5725	37.3	3.567	34.472	75.339	-17	78.24	-2.901
	5825	33.98	3.532	34.642	72.154	-17	78.23	-6.076
	5835	21.35	3.538	34.673	59.561	-27	68.24	-8.679
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 5MHz	5715	22.4	3.583	34.458	60.441	-27	68.24	-7.799
	5725	25.69	3.567	34.472	63.729	-17	78.24	-14.511
	5825	22.29	3.532	34.642	60.464	-17	78.24	-17.776
	5835	20.76	3.538	34.673	58.971	-27	68.24	-9.269
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 10MHz	5715	27.4	3.583	34.458	65.441	-27	68.24	-2.799
	5725	38.31	3.567	34.472	76.349	-17	78.24	-1.891
	5825	35.65	3.532	34.642	73.824	-17	78.24	-4.416
	5835	24.03	3.538	34.673	62.241	-27	68.24	-5.999
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 20MHz	5715	25.78	3.583	34.458	63.821	-27	68.24	-4.419
	5725	37.18	3.567	34.472	75.219	-17	78.24	-3.021
	5825	37.63	3.532	34.642	75.804	-17	78.24	-2.436
	5835	24.76	3.538	34.673	62.971	-27	68.24	-5.269
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 40MHz	5715	27.5	3.583	34.458	65.541	-27	68.24	-2.699
	5725	35.5	3.567	34.472	73.539	-17	78.24	-4.701
	5825	31.74	3.532	34.642	69.914	-17	78.24	-8.326
	5835	29.78	3.538	34.673	67.991	-27	68.24	-0.249

Table 23. EIRP Calculation, 15 dBi Sector

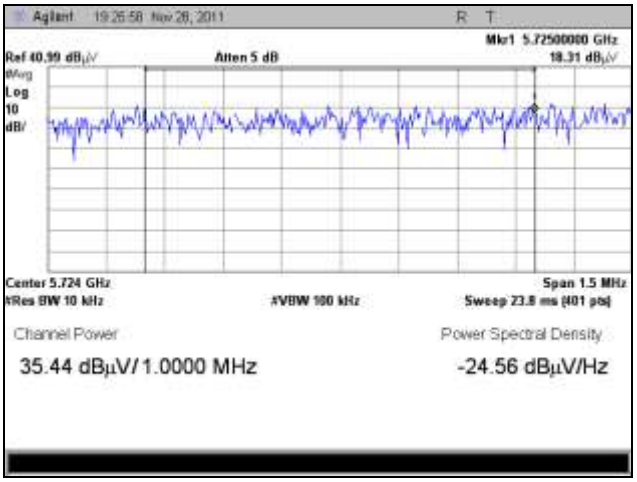
	Band Edge Freq.	Uncorrected (dBuV)	Cable Loss	ACF	Corrected	Limit (dBm)	Limit (dBuv/m)	Margin
802.11a	5715	24.83	3.583	34.458	62.871	-27	68.24	-5.369
	5725	35.81	3.567	34.472	73.849	-17	78.24	-4.391
	5825	32.15	3.532	34.642	70.324	-17	78.23	-7.906
	5835	22.05	3.538	34.673	60.261	-27	68.24	-7.979
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 5MHz	5715	21.8	3.583	34.458	59.841	-27	68.24	-8.399
	5725	22.49	3.567	34.472	60.529	-17	78.24	-17.711
	5825	20.67	3.532	34.642	58.844	-17	78.24	-19.396
	5835	19.87	3.538	34.673	58.081	-27	68.24	-10.159
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 10MHz	5715	22.58	3.583	34.458	60.621	-27	68.24	-7.619
	5725	30.21	3.567	34.472	68.249	-17	78.24	-9.991
	5825	35.18	3.532	34.642	73.354	-17	78.24	-4.886
	5835	22.92	3.538	34.673	61.131	-27	68.24	-7.109
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 20MHz	5715	24.34	3.583	34.458	62.381	-27	68.24	-5.859
	5725	37.7	3.567	34.472	75.739	-17	78.24	-2.501
	5825	36.28	3.532	34.642	74.454	-17	78.24	-3.786
	5835	21.49	3.538	34.673	59.701	-27	68.24	-8.539
	Band Edge Freq.	**Uncorrected (dBuV)**	**Cable Loss**	**ACF**	**Corrected**	**Limit (dBm)**	**Limit (dBuv/m)**	**Margin**
802.11n 40MHz	5715	29.92	3.583	34.458	67.961	-27	68.24	-0.279
	5725	31.95	3.567	34.472	69.989	-17	78.24	-8.251
	5825	31.62	3.532	34.642	69.794	-17	78.24	-8.446
	5835	28.68	3.538	34.673	66.891	-27	68.24	-1.349

Table 24. EIRP Calculation, 16 dBi Panel

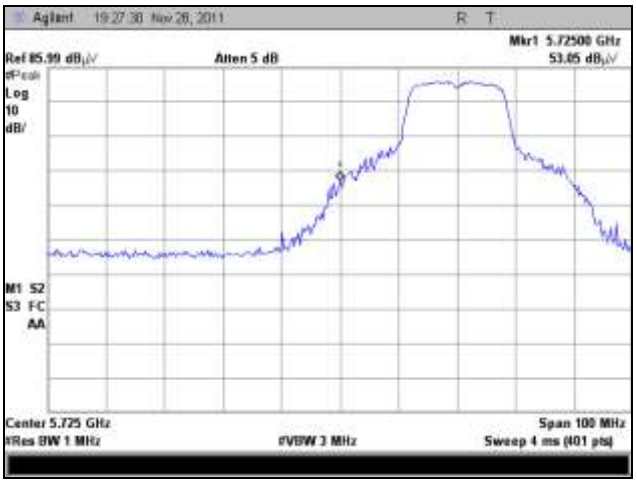
EIRP, 802.11a, 9 dBi Omni



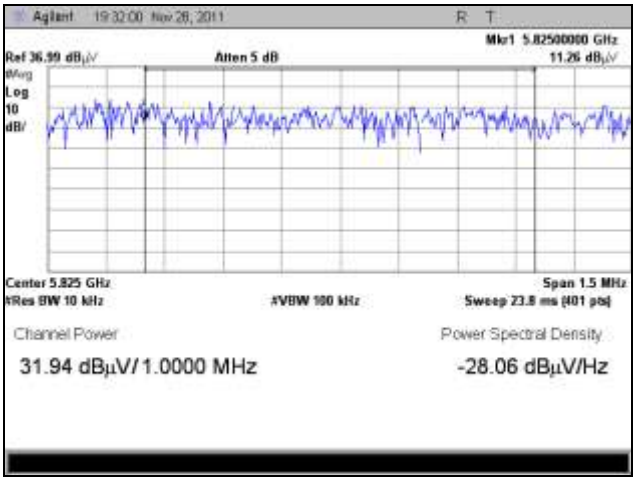
Plot 233. EIRP, 5715 MHz, 802.11a, 9 dBi Omni



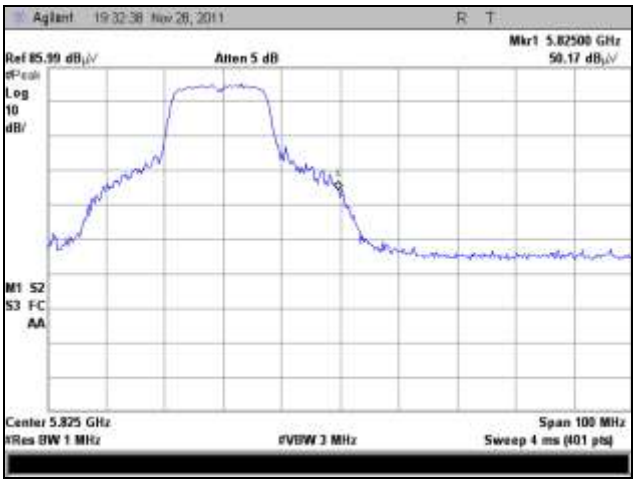
Plot 234. EIRP, 5725 MHz, Average, 802.11a, 9 dBi Omni



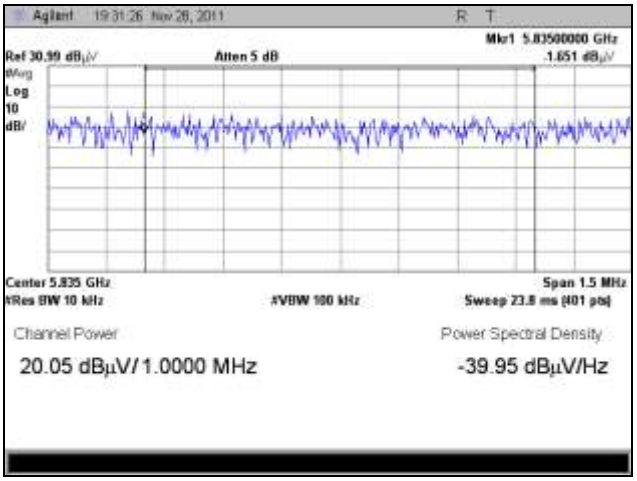
Plot 235. EIRP, 5725 MHz, Peak, 802.11a, 9 dBi Omni



Plot 236. EIRP, 5825 MHz, Average, 802.11a, 9 dBi Omni

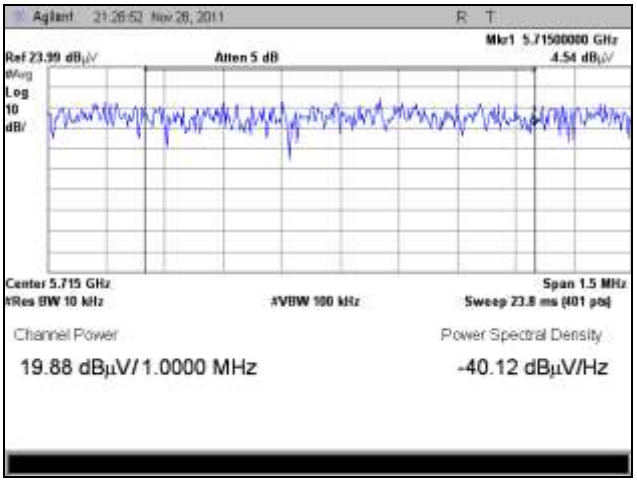


Plot 237. EIRP, 5825 MHz, Peak, 802.11a, 9 dBi Omni

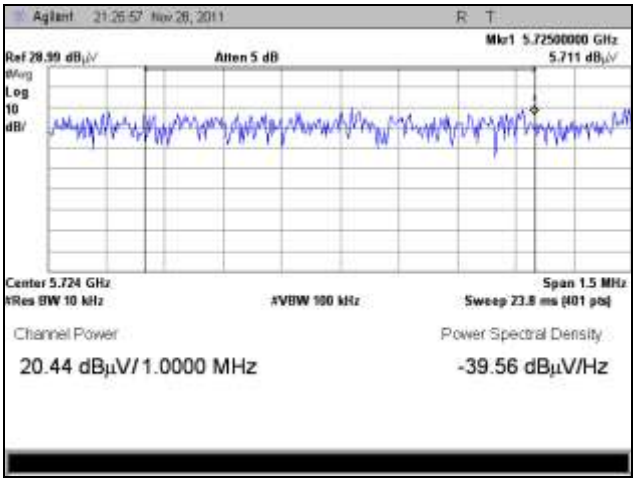


Plot 238. EIRP, 5835 MHz, 802.11a, 9 dBi Omni

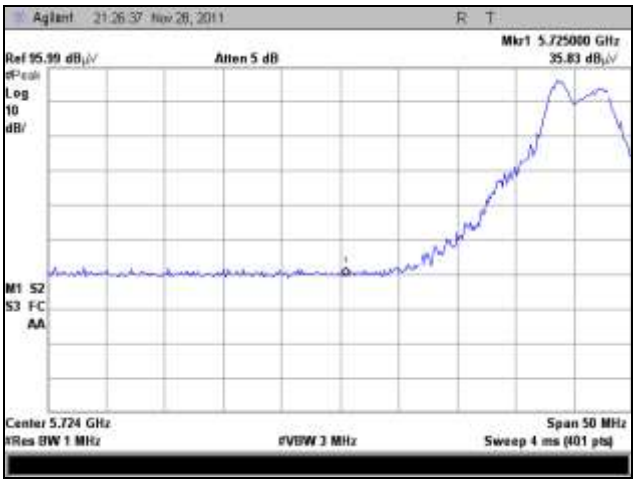
EIRP, 802.11n 5 MHz, 9 dBi Omni



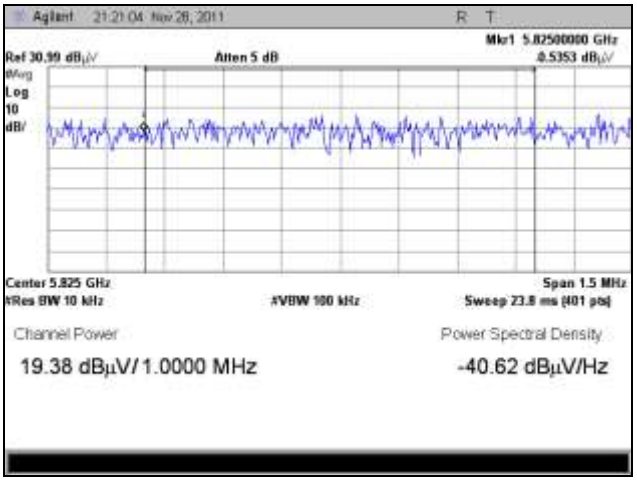
Plot 239. EIRP, 5715 MHz, 802.11n 5 MHz, 9 dBi Omni



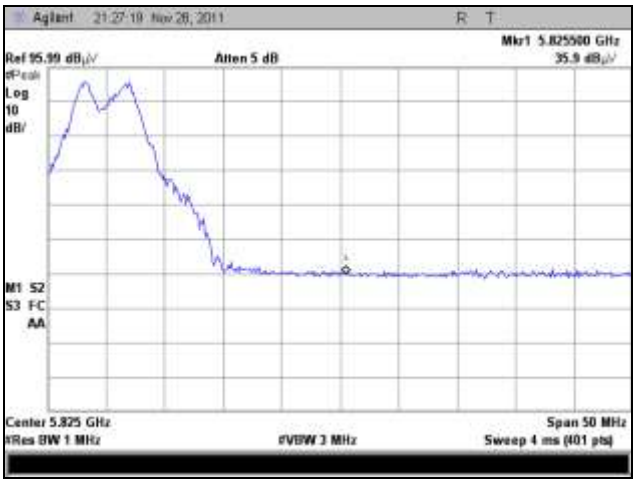
Plot 240. EIRP, 5725 MHz, Average, 802.11n 5 MHz, 9 dBi Omni



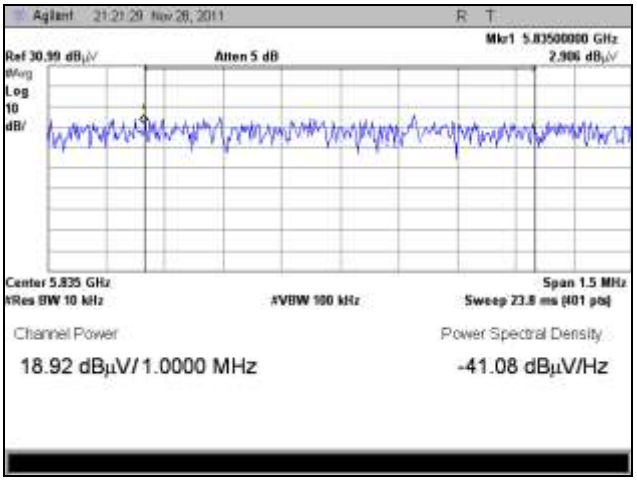
Plot 241. EIRP, 5725 MHz, Peak, 802.11n 5 MHz, 9 dBi Omni



Plot 242. EIRP, 5825 MHz, Average, 802.11n 5 MHz, 9 dBi Omni

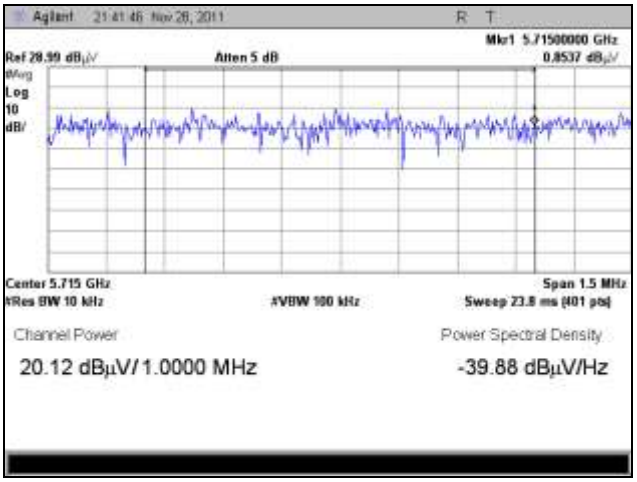


Plot 243. EIRP, 5825 MHz, Peak, 802.11n 5 MHz, 9 dBi Omni

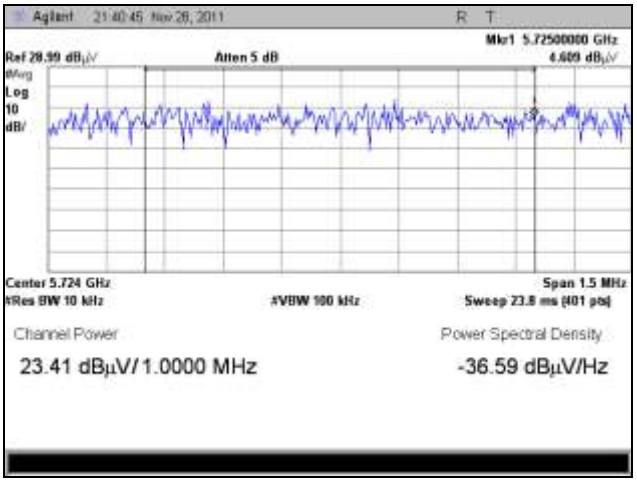


Plot 244. EIRP, 5835 MHz, 802.11n 5 MHz, 9 dBi Omni

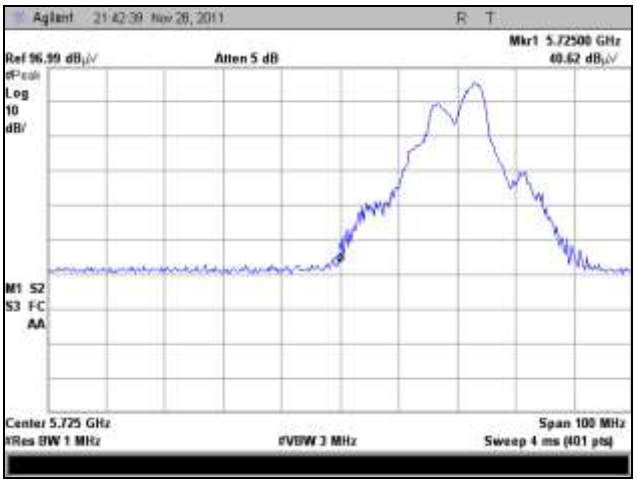
EIRP, 802.11n 10 MHz, 9 dBi Omni



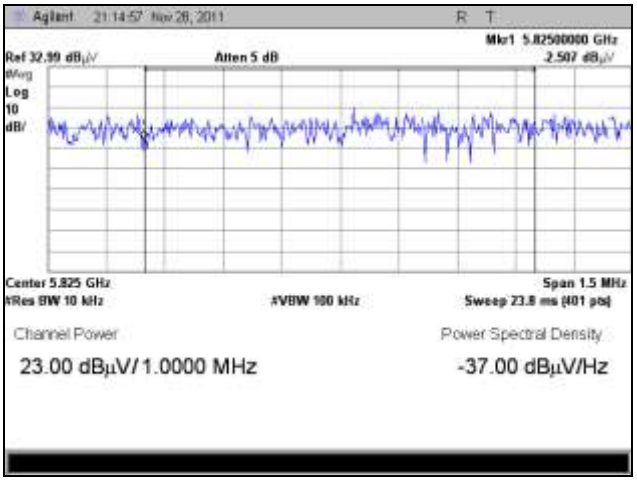
Plot 245. EIRP, 5715 MHz, 802.11n 10 MHz, 9 dBi Omni



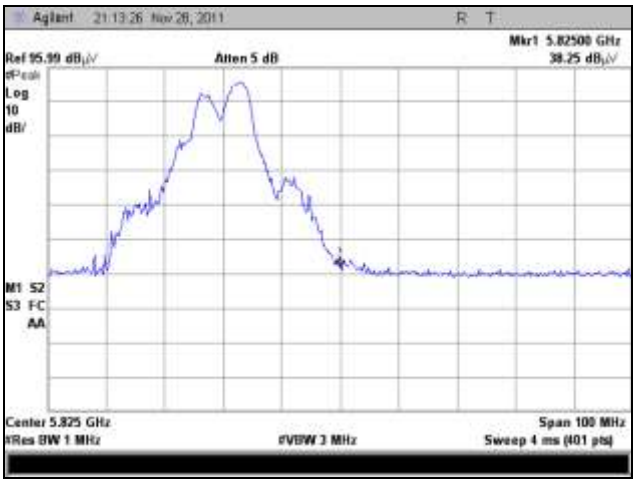
Plot 246. EIRP, 5725 MHz, Average, 802.11n 10 MHz, 9 dBi Omni



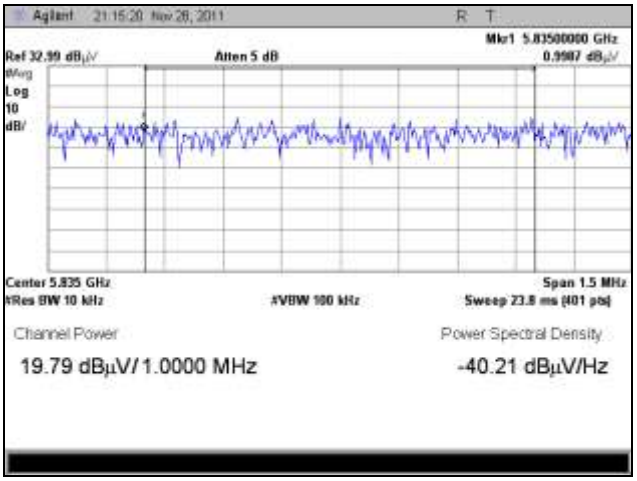
Plot 247. EIRP, 5725 MHz, Peak, 802.11n 10 MHz, 9 dBi Omni



Plot 248. EIRP, 5825 MHz, Average, 802.11n 10 MHz, 9 dBi Omni

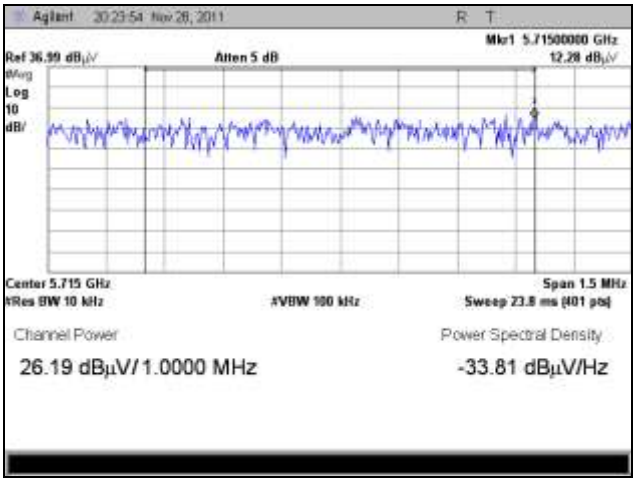


Plot 249. EIRP, 5825 MHz, Peak, 802.11n 10 MHz, 9 dBi Omni

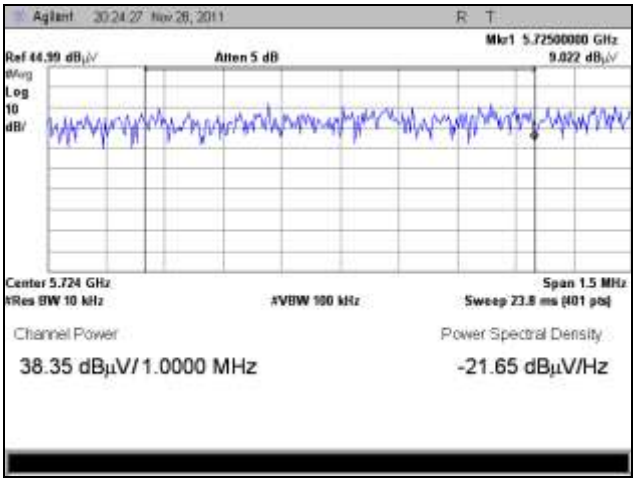


Plot 250. EIRP, 5835 MHz, 802.11n 10 MHz, 9 dBi Omni

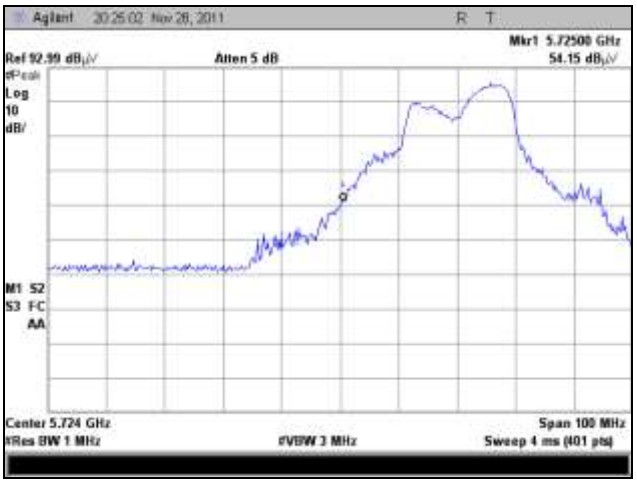
EIRP, 802.11n 20 MHz, 9 dBi Omni



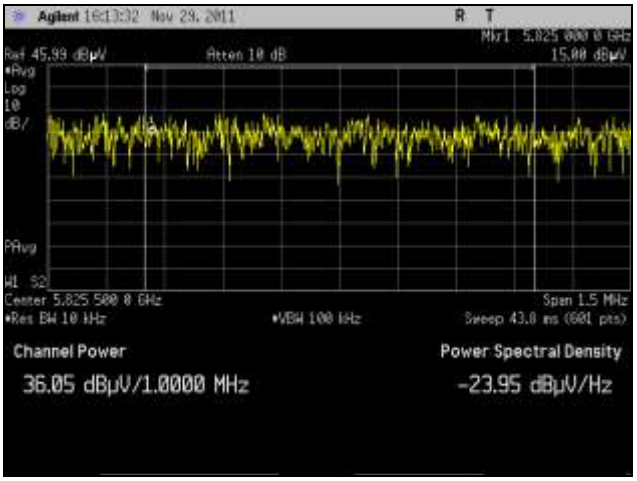
Plot 251. EIRP, 5715 MHz, 802.11n 20 MHz, 9 dBi Omni



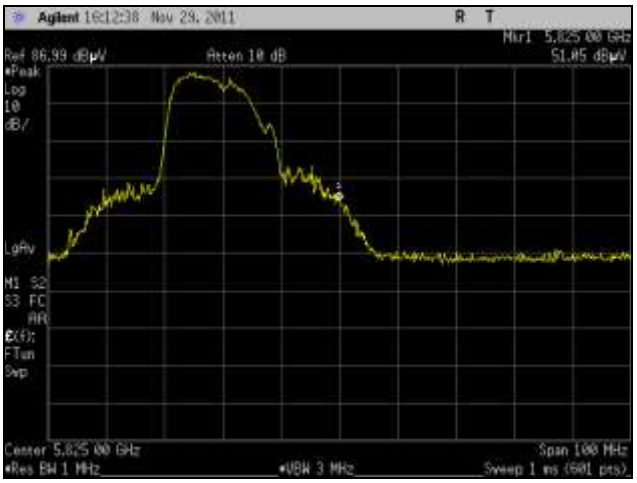
Plot 252. EIRP, 5725 MHz, Average, 802.11n 20 MHz, 9 dBi Omni



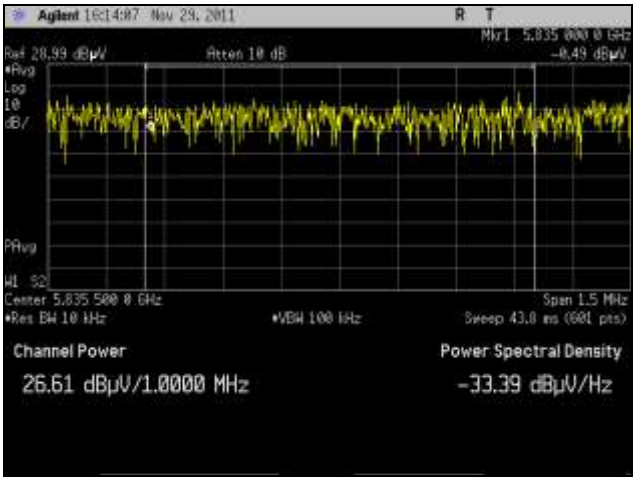
Plot 253. EIRP, 5725 MHz, Peak, 802.11n 20 MHz, 9 dBi Omni



Plot 254. EIRP, 5825 MHz, Average, 802.11n 20 MHz, 9 dBi Omni

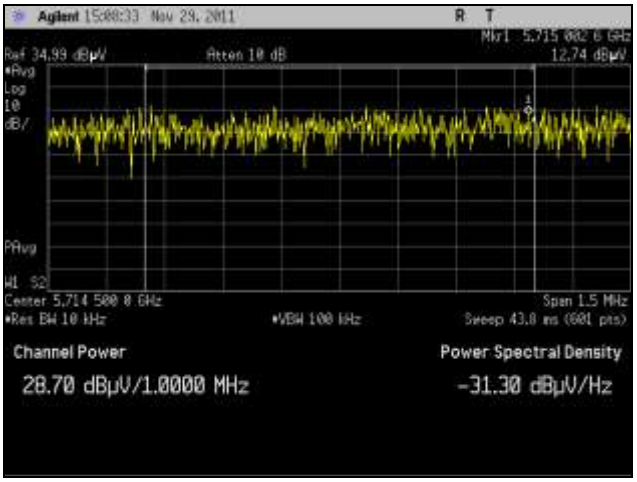


Plot 255. EIRP, 5825 MHz, Peak, 802.11n 20 MHz, 9 dBi Omni

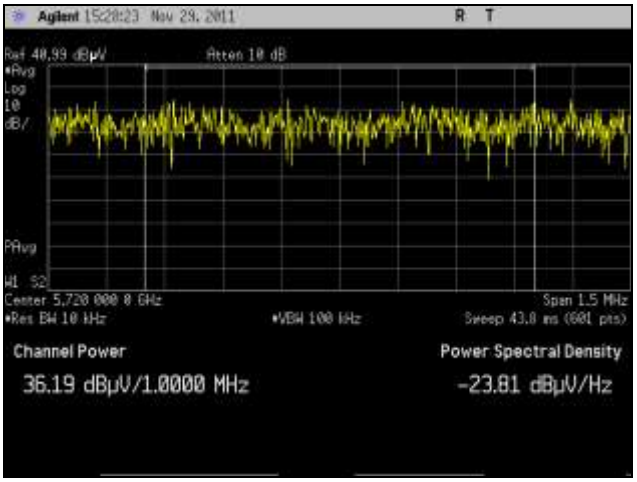


Plot 256. EIRP, 5835 MHz, 802.11n 20 MHz, 9 dBi Omni

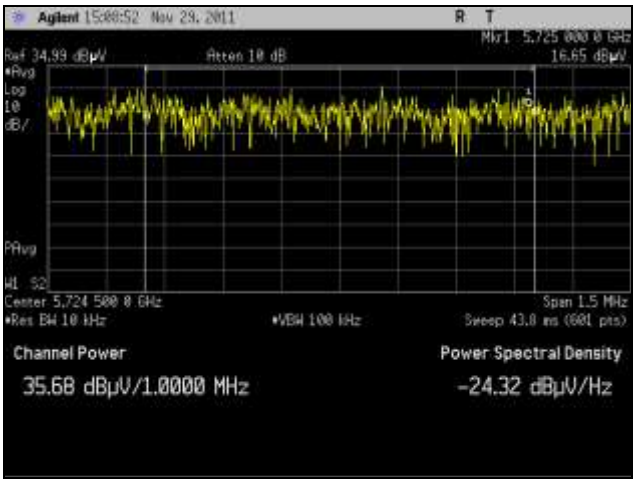
EIRP, 802.11n 40 MHz, 9 dBi Omni



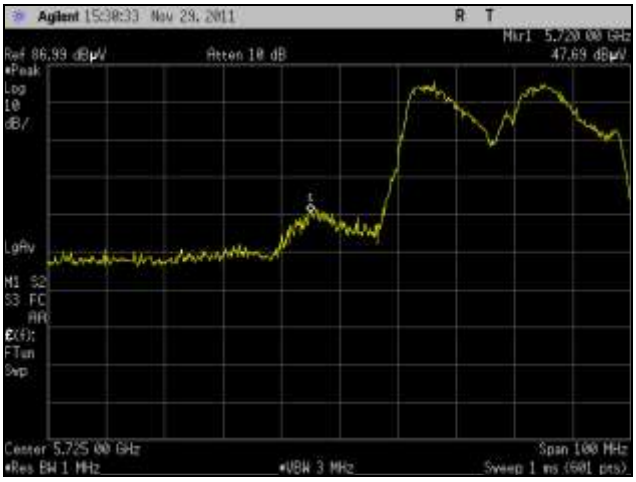
Plot 257. EIRP, 5715 MHz, 802.11n 40 MHz, 9 dBi Omni



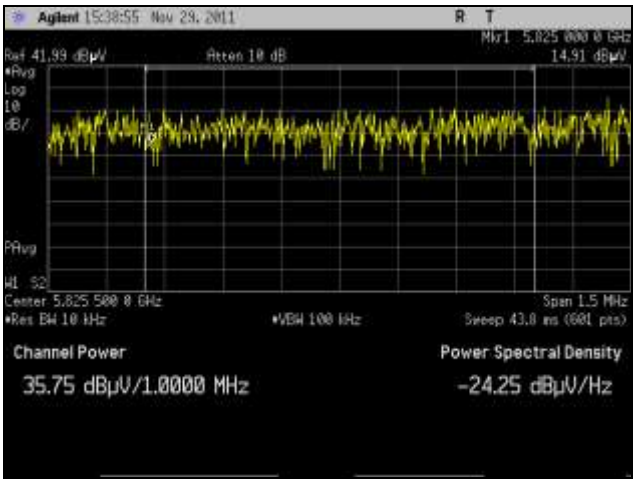
Plot 258. EIRP, 5720 MHz, 802.11n 40 MHz, 9 dBi Omni



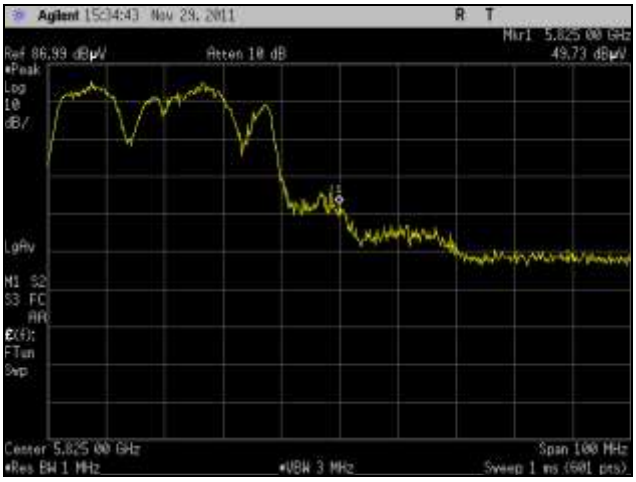
Plot 259. EIRP, 5725 MHz, Average, 802.11n 40 MHz, 9 dBi Omni



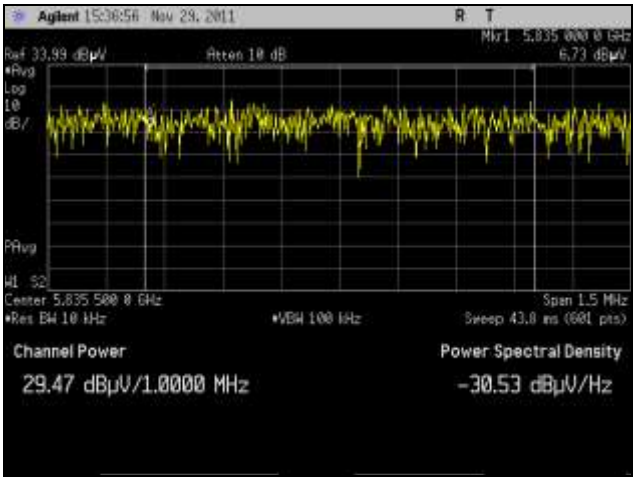
Plot 260. EIRP, 5725 MHz, Peak, 802.11n 40 MHz, 9 dBi Omni



Plot 261. EIRP, 5825 MHz, Average, 802.11n 40 MHz, 9 dBi Omni

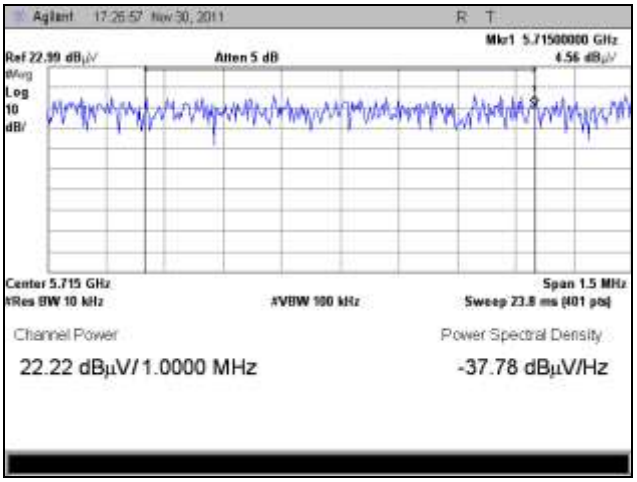


Plot 262. EIRP, 5825 MHz, Peak, 802.11n 40 MHz, 9 dBi Omni

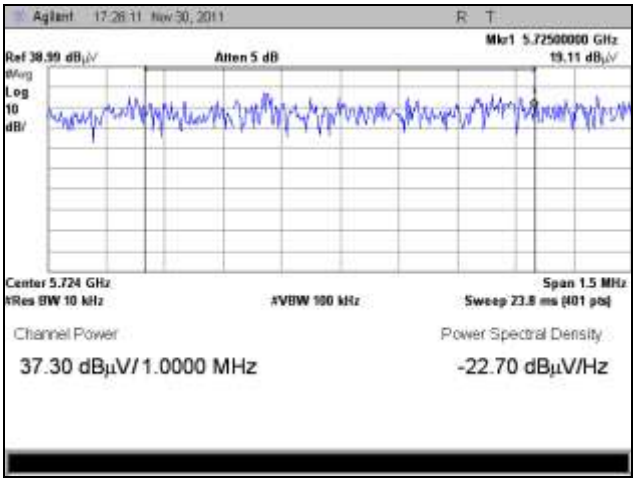


Plot 263. EIRP, 5835 MHz, 802.11n 40 MHz, 9 dBi Omni

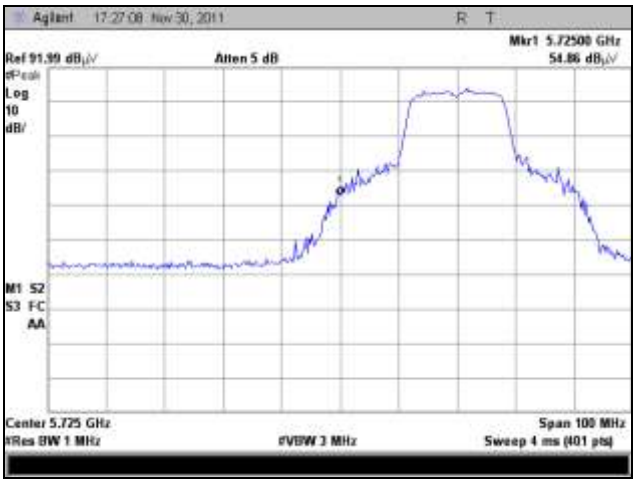
EIRP, 802.11a, 15 dBi Sector



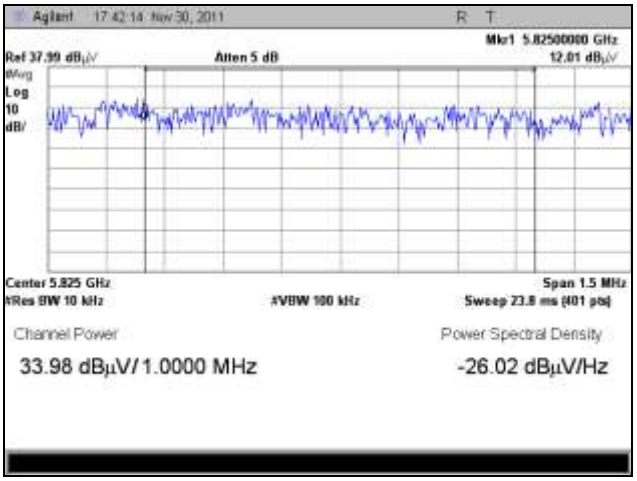
Plot 264. EIRP, 5715 MHz, 802.11a, 15 dBi Sector



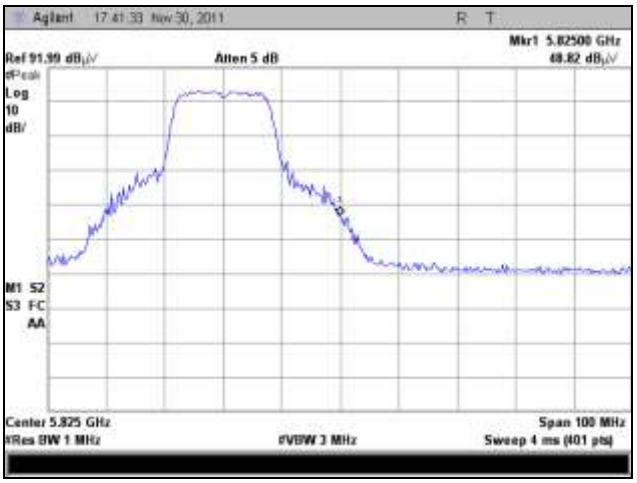
Plot 265. EIRP, 5725 MHz, Average, 802.11a, 15 dBi Sector



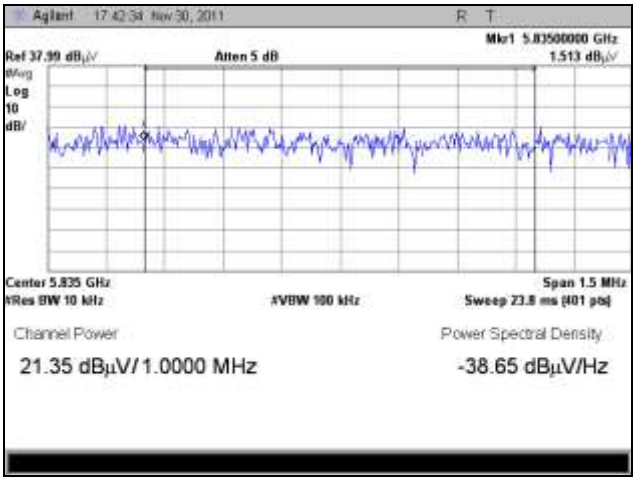
Plot 266. EIRP, 5725 MHz, Peak, 802.11a, 15 dBi Sector



Plot 267. EIRP, 5825 MHz, Average, 802.11a, 15 dBi Sector

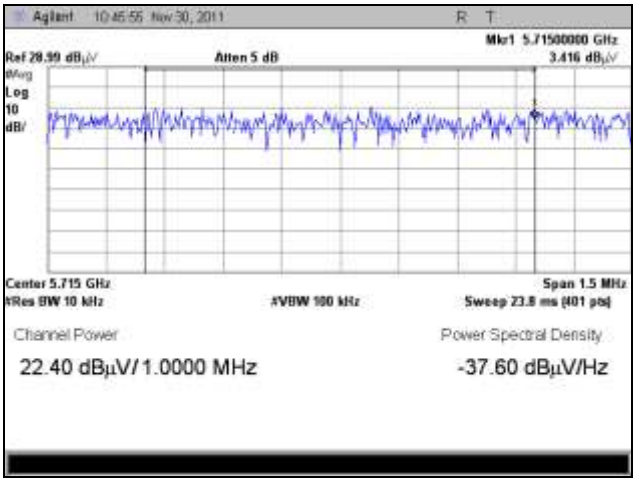


Plot 268. EIRP, 5825 MHz, Peak, 802.11a, 15 dBi Sector

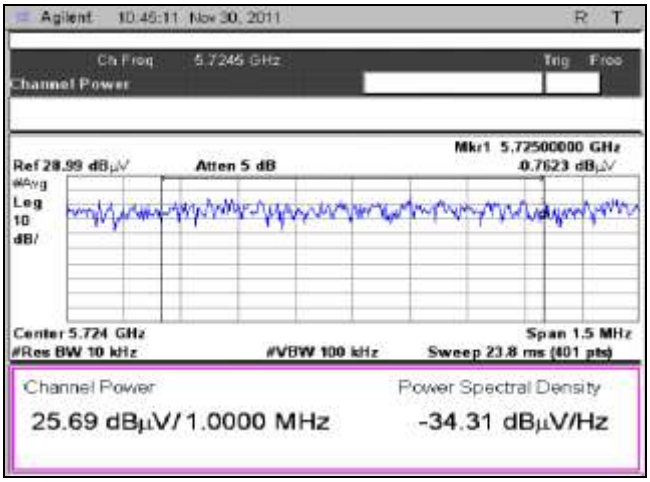


Plot 269. EIRP, 5835 MHz, 802.11a, 15 dBi Sector

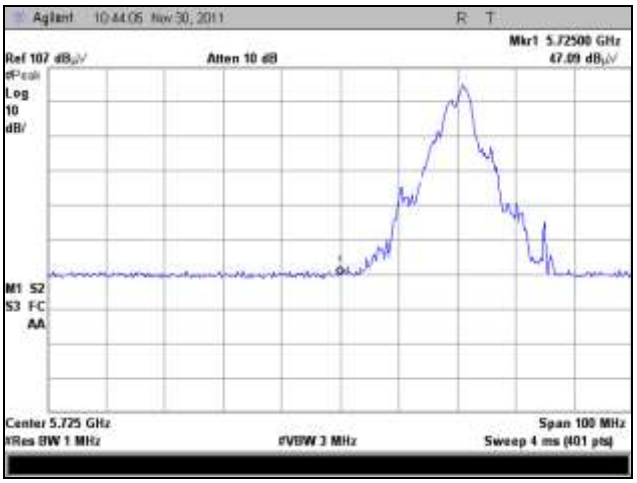
EIRP, 802.11n 5 MHz, 15 dBi Sector



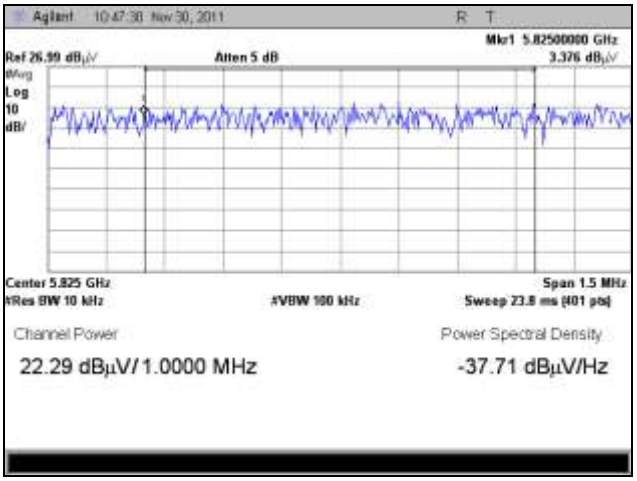
Plot 270. EIRP, 5715 MHz, 802.11n 5 MHz, 15 dBi Sector



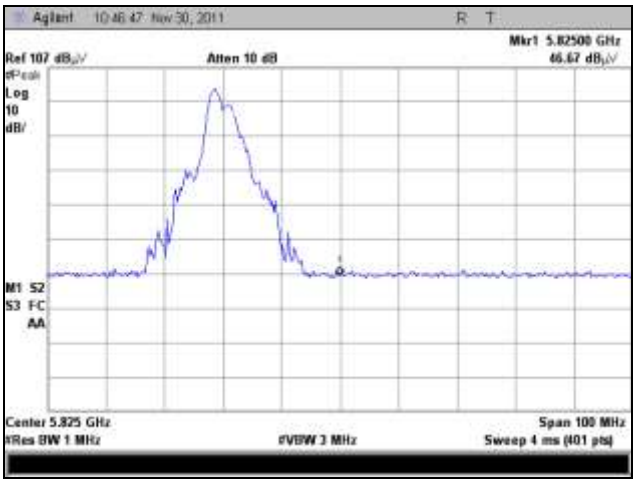
Plot 271. EIRP, 5725 MHz, Average, 802.11n 5 MHz, 15 dBi Sector



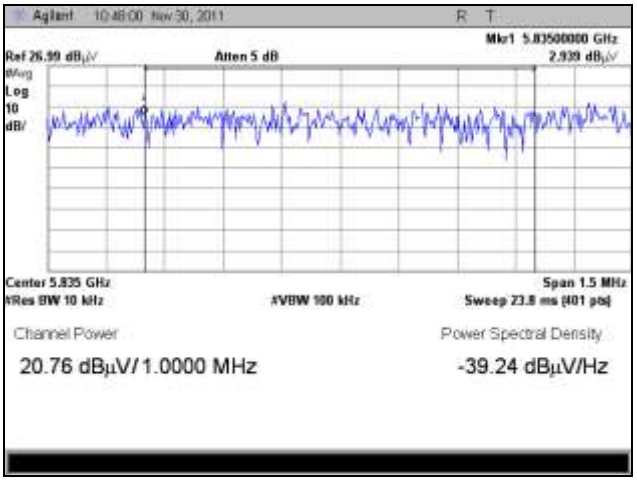
Plot 272. EIRP, 5725 MHz, Peak, 802.11n 5 MHz, 15 dBi Sector



Plot 273. EIRP, 5825 MHz, Average, 802.11n 5 MHz, 15 dBi Sector

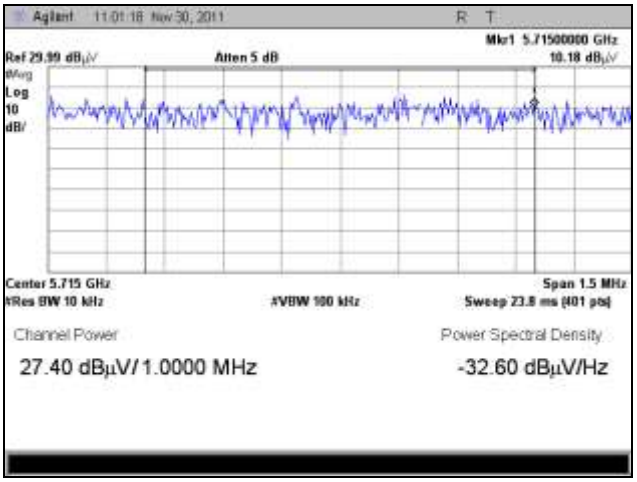


Plot 274. EIRP, 5825 MHz, Peak, 802.11n 5 MHz, 15 dBi Sector

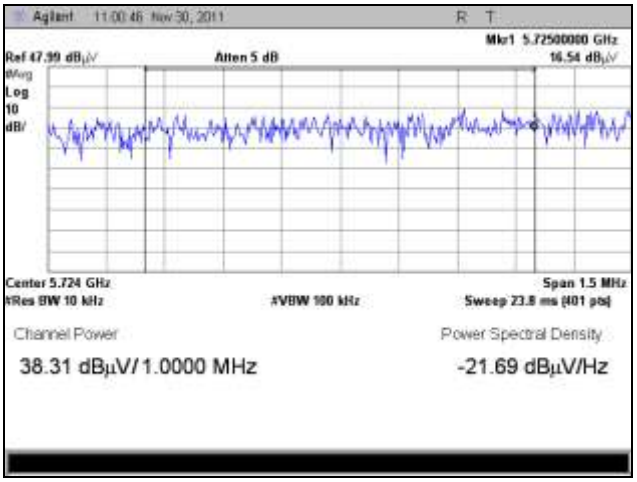


Plot 275. EIRP, 5835 MHz, 802.11n 5 MHz, 15 dBi Sector

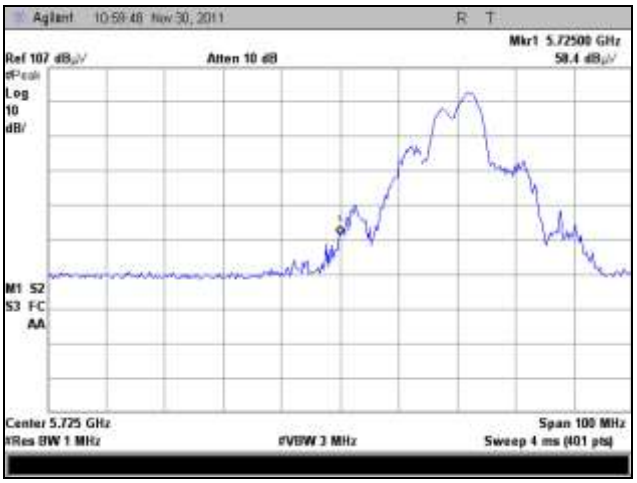
EIRP, 802.11n 10 MHz, 15 dBi Sector



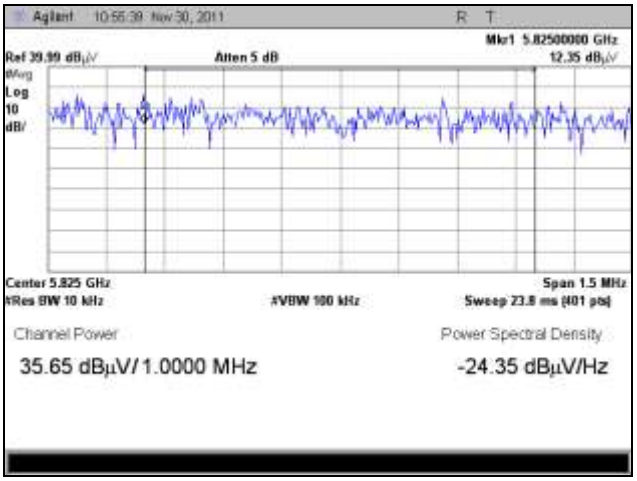
Plot 276. EIRP, 5715 MHz, 802.11n 10 MHz, 15 dBi Sector



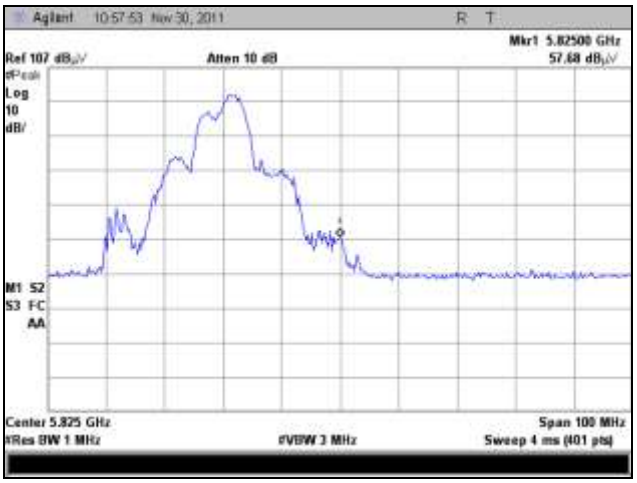
Plot 277. EIRP, 5725 MHz, Average, 802.11n 10 MHz, 15 dBi Sector



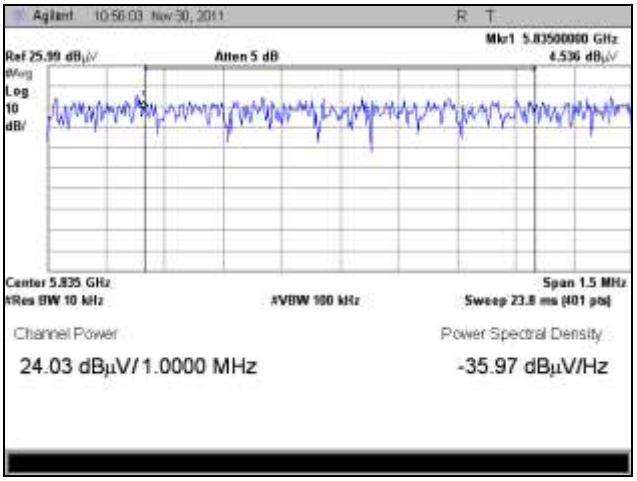
Plot 278. EIRP, 5725 MHz, Peak, 802.11n 10 MHz, 15 dBi Sector



Plot 279. EIRP, 5825 MHz, Average, 802.11n 10 MHz, 15 dBi Sector

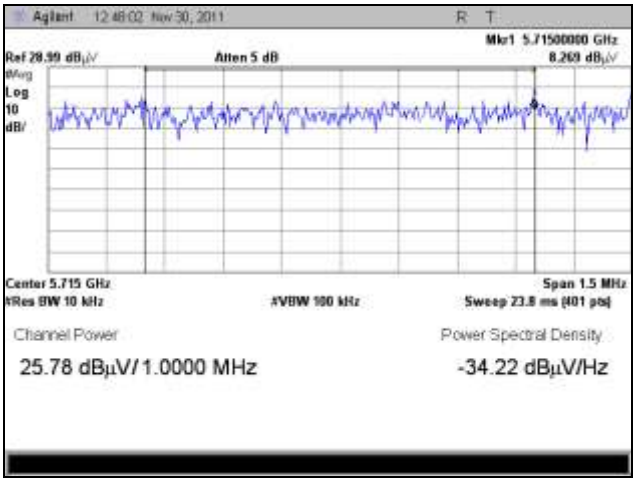


Plot 280. EIRP, 5825 MHz, Peak, 802.11n 10 MHz, 15 dBi Sector

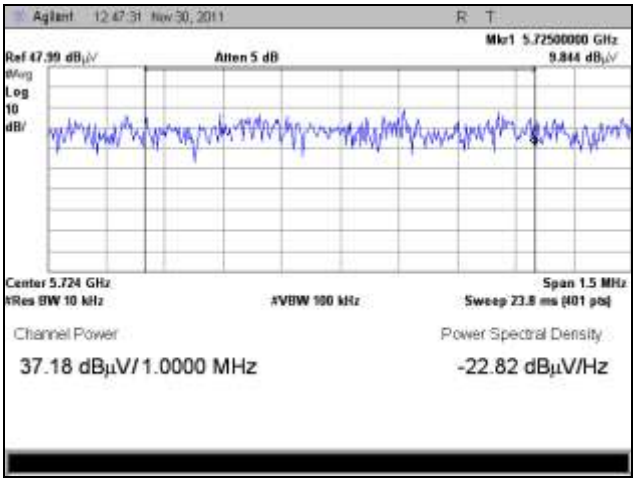


Plot 281. EIRP, 5835 MHz, 802.11n 10 MHz, 15 dBi Sector

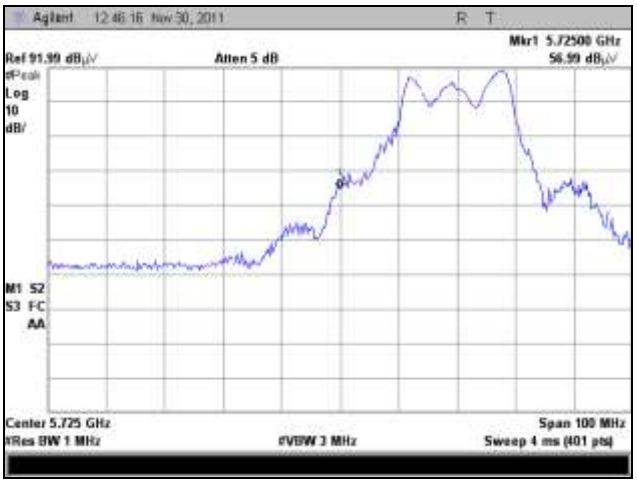
EIRP, 802.11n 20 MHz, 15 dBi Sector



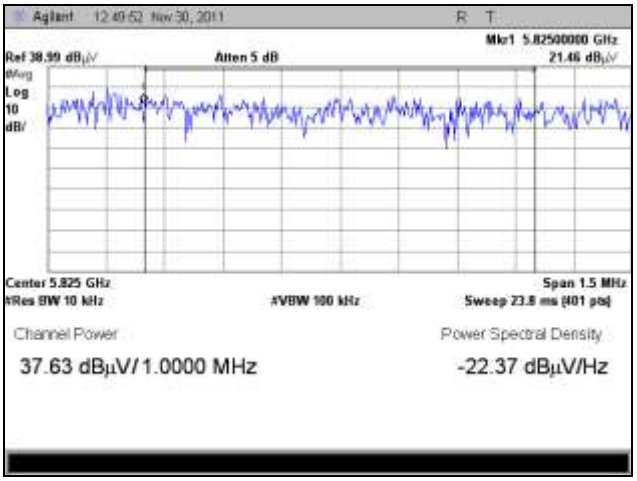
Plot 282. EIRP, 5715 MHz, 802.11n 20 MHz, 15 dBi Sector



Plot 283. EIRP, 5725 MHz, Average, 802.11n 20 MHz, 15 dBi Sector

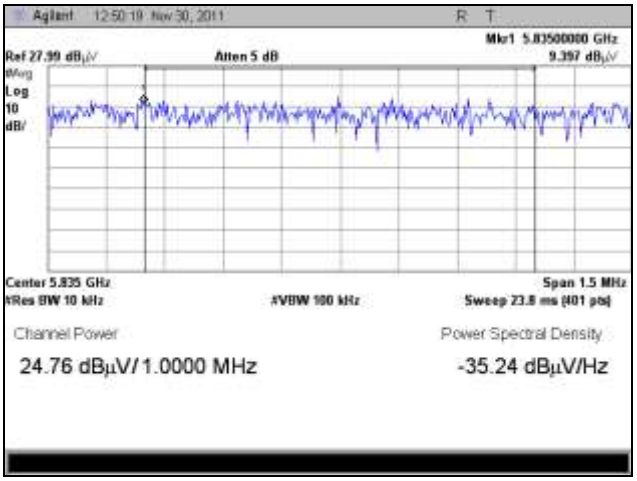


Plot 284. EIRP, 5725 MHz, Peak, 802.11n 20 MHz, 15 dBi Sector



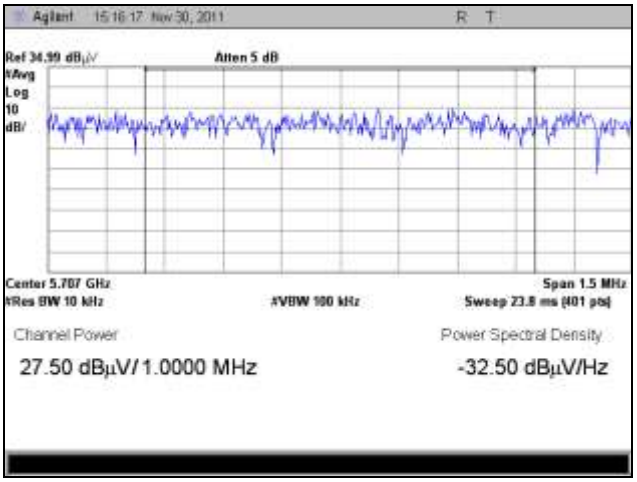
Plot 285. EIRP, 5825 MHz, Average, 802.11n 20 MHz, 15 dBi Sector

Plot 286. EIRP, 5825 MHz, Peak, 802.11n 20 MHz, 15 dBi Sector

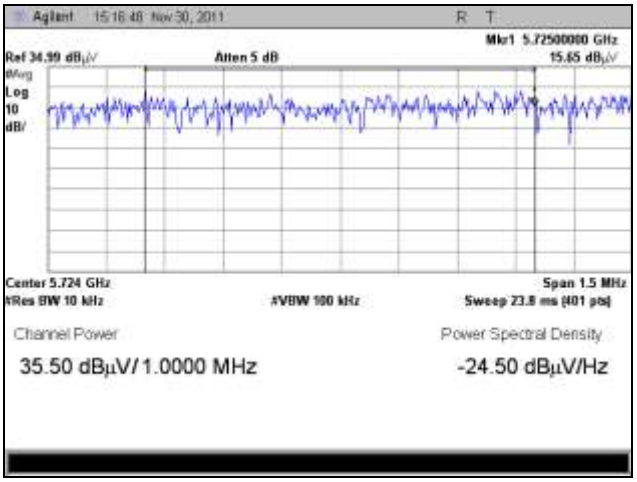


Plot 287. EIRP, 5835 MHz, 802.11n 20 MHz, 15 dBi Sector

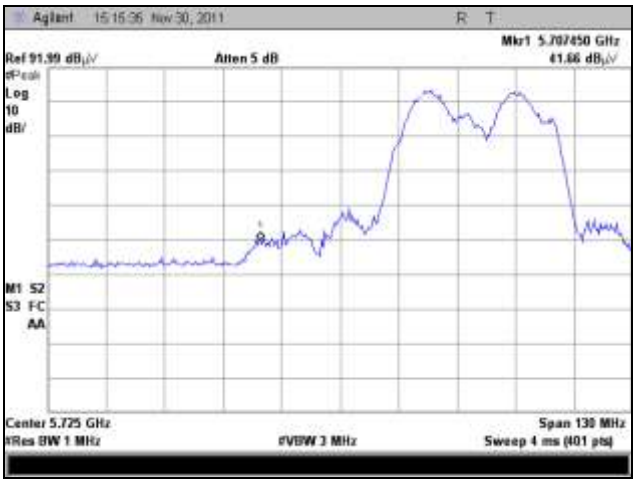
EIRP, 802.11n 40 MHz, 15 dBi Sector



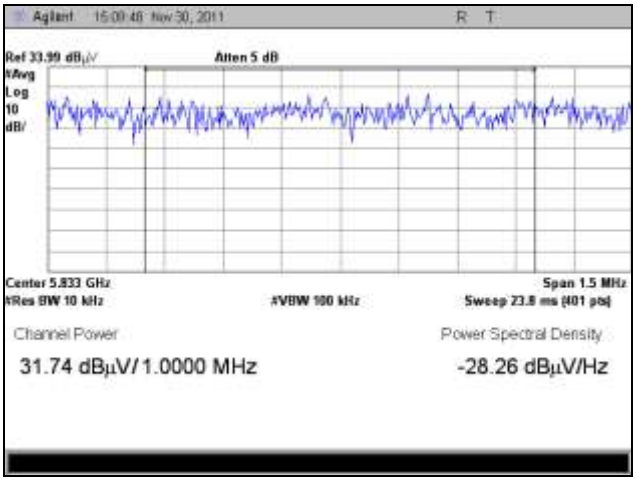
Plot 288. EIRP, 5715 MHz, 802.11n 40 MHz, 15 dBi Sector



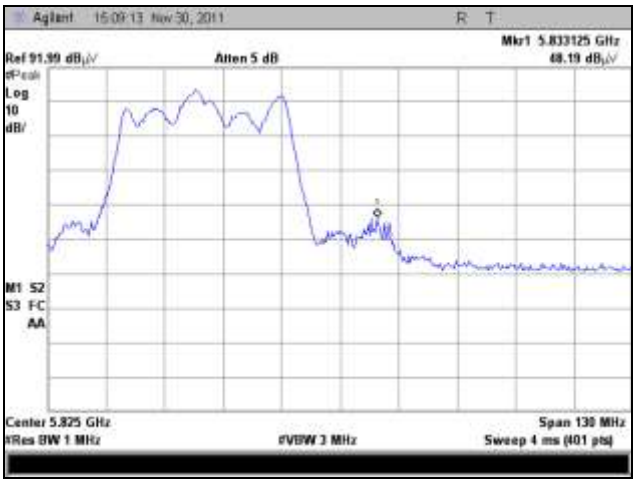
Plot 289. EIRP, 5725 MHz, Average, 802.11n 40 MHz, 15 dBi Sector



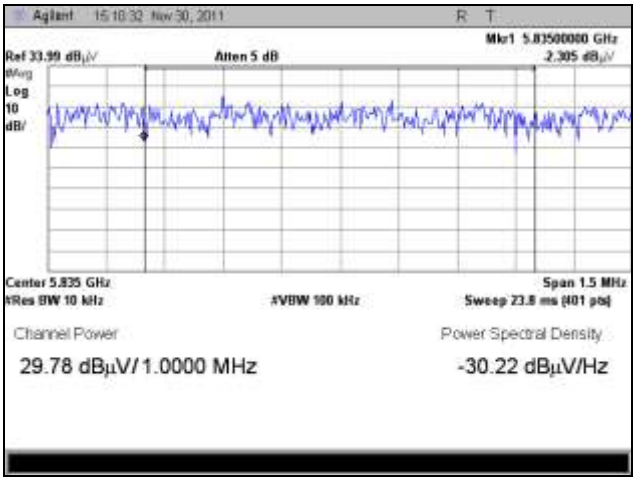
Plot 290. EIRP, 5725 MHz, Peak, 802.11n 40 MHz, 15 dBi Sector



Plot 291. EIRP, 5825 MHz, Average, 802.11n 40 MHz, 15 dBi Sector

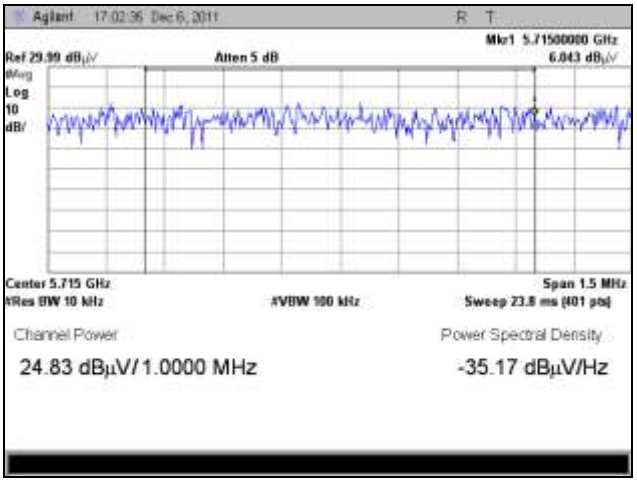


Plot 292. EIRP, 5825 MHz, Peak, 802.11n 40 MHz, 15 dBi Sector

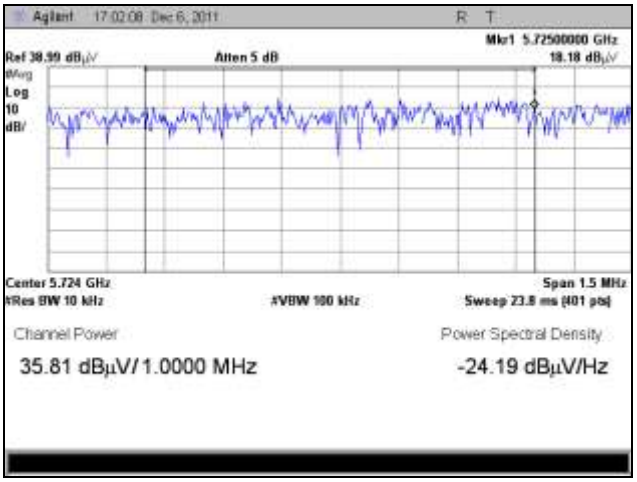


Plot 293. EIRP, 5835 MHz, 802.11n 40 MHz, 15 dBi Sector

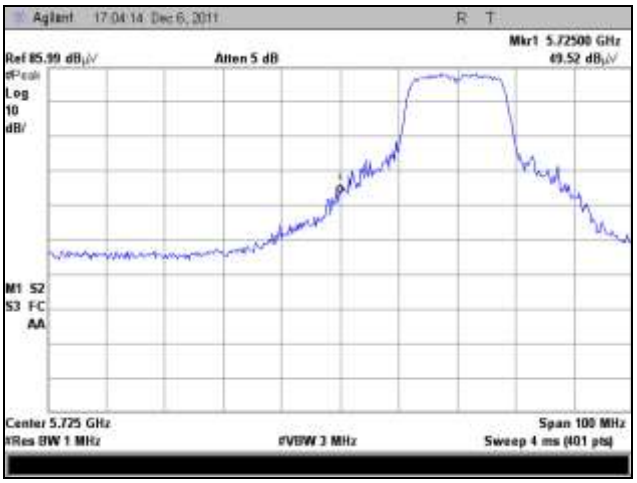
EIRP, 802.11a, 16 dBi Panel



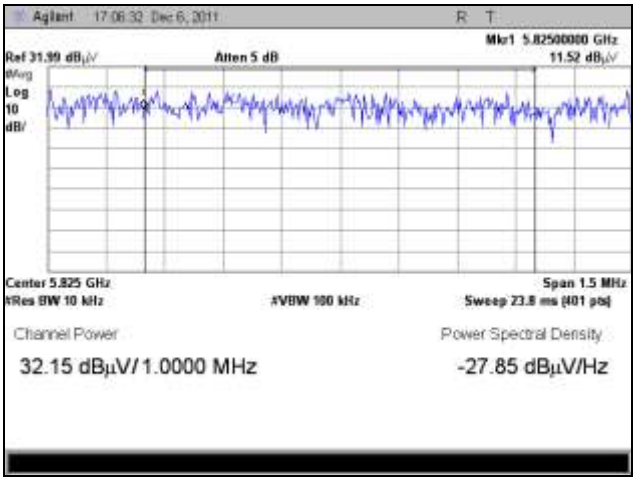
Plot 294. EIRP, 5715 MHz, 802.11a, 16 dBi Panel



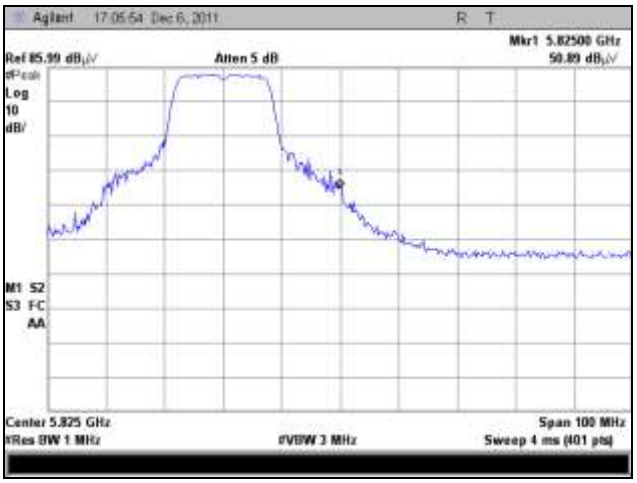
Plot 295. EIRP, 5725 MHz, Average, 802.11a, 16 dBi Panel



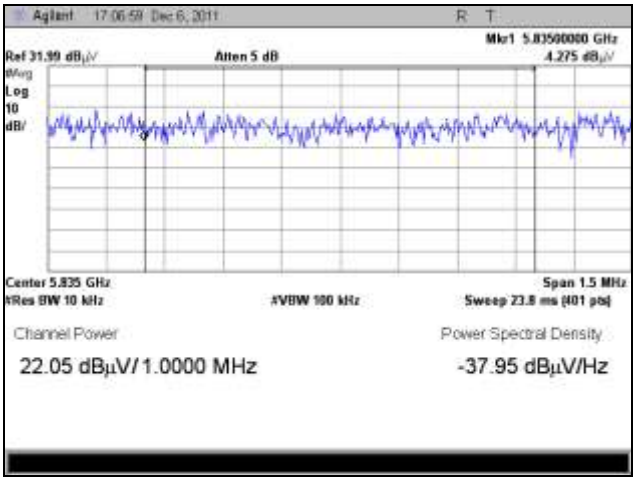
Plot 296. EIRP, 5725 MHz, Peak, 802.11a, 16 dBi Panel



Plot 297. EIRP, 5825 MHz, Average, 802.11a, 16 dBi Panel

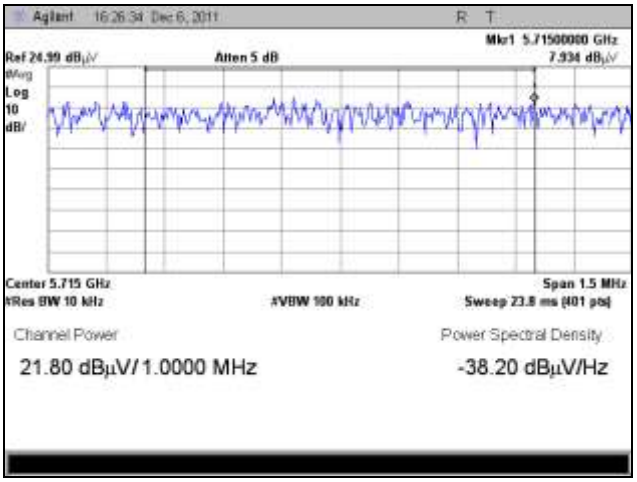


Plot 298. EIRP, 5825 MHz, Peak, 802.11a, 16 dBi Panel

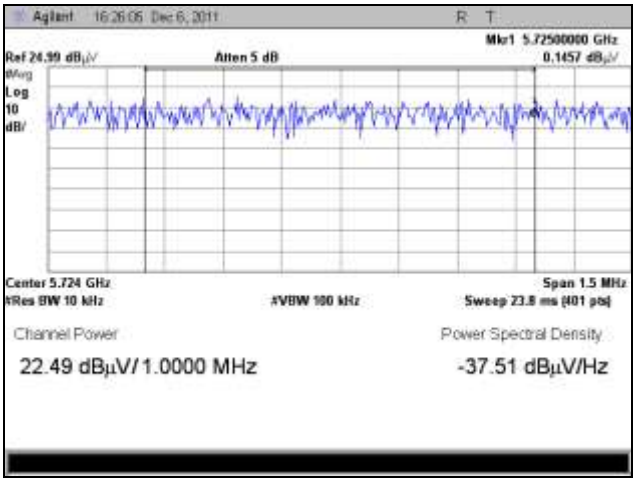


Plot 299. EIRP, 5835 MHz, 802.11a, 16 dBi Panel

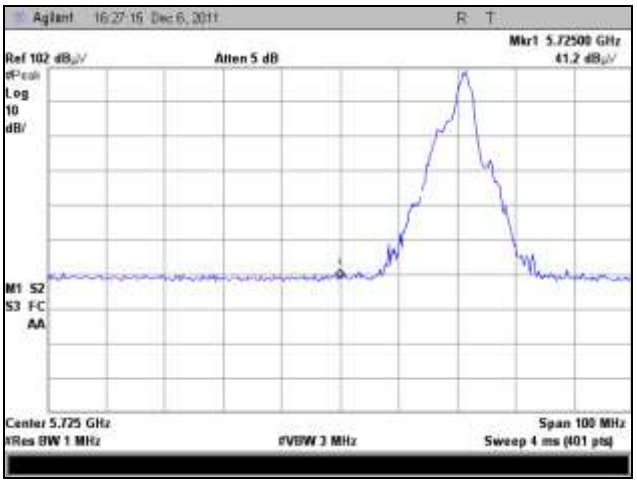
EIRP, 802.11n 5 MHz, 16 dBi Panel



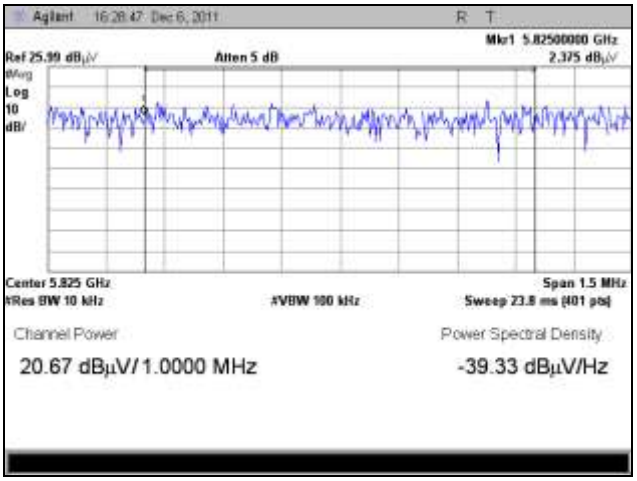
Plot 300. EIRP, 5715 MHz, 802.11n 5 MHz, 16 dBi Panel



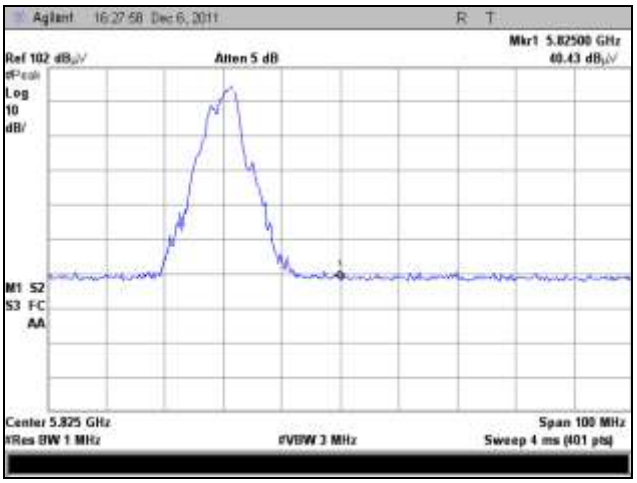
Plot 301. EIRP, 5725 MHz, Average, 802.11n 5 MHz, 16 dBi Panel



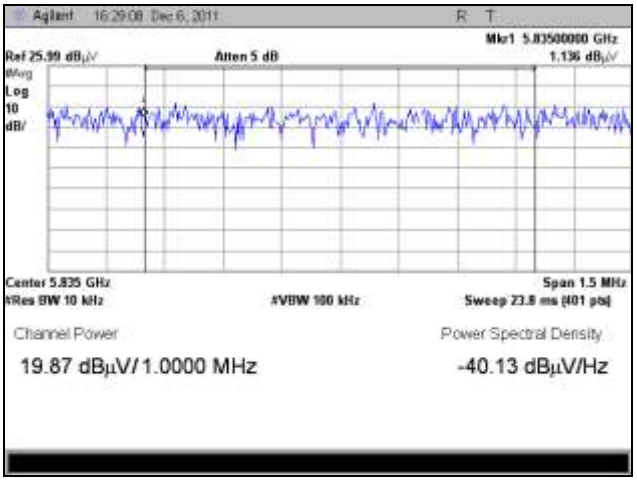
Plot 302. EIRP, 5725 MHz, Peak, 802.11n 5 MHz, 16 dBi Panel



Plot 303. EIRP, 5825 MHz, Average, 802.11n 5 MHz, 16 dBi Panel

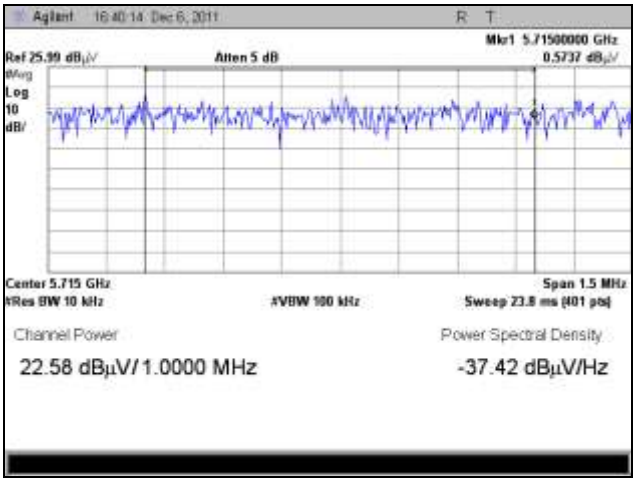


Plot 304. EIRP, 5825 MHz, Peak, 802.11n 5 MHz, 16 dBi Panel

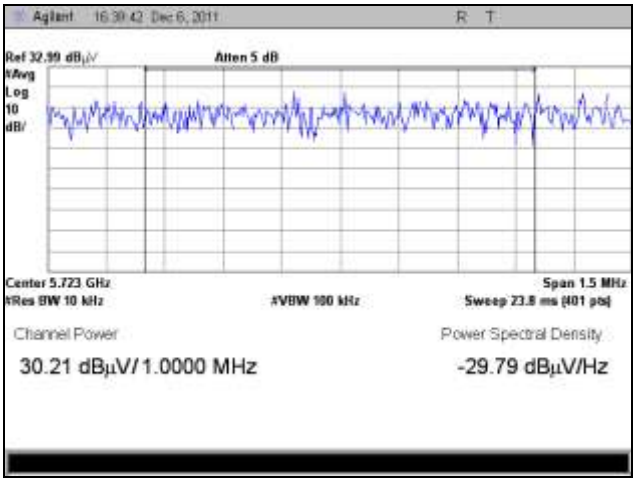


Plot 305. EIRP, 5835 MHz, 802.11n 5 MHz, 16 dBi Panel

EIRP, 802.11n 10 MHz, 16 dBi Panel

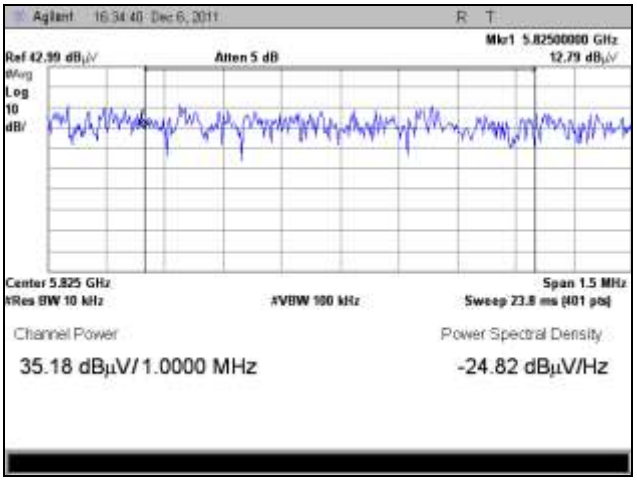


Plot 306. EIRP, 5715 MHz, 802.11n 10 MHz, 16 dBi Panel

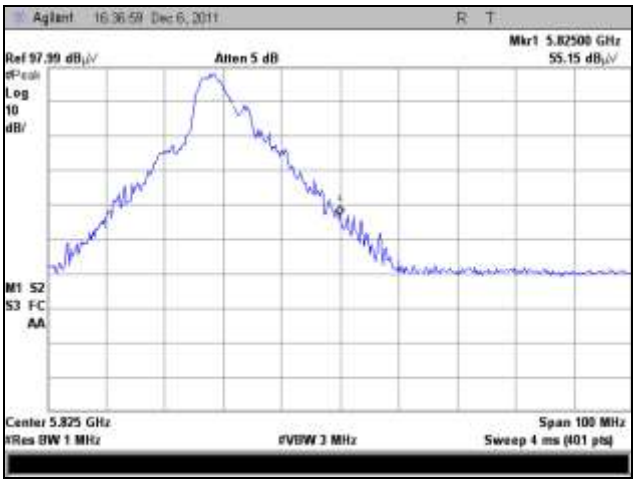


Plot 307. EIRP, 5723 MHz, 802.11n 10 MHz, 16 dBi Panel

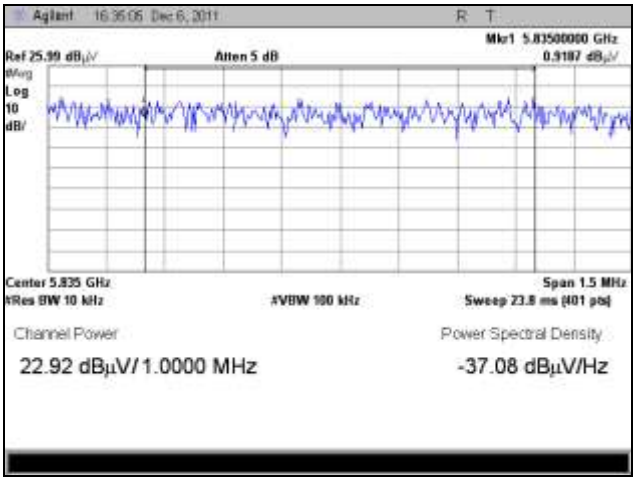
Plot 308. EIRP, 5725 MHz, Peak, 802.11n 10 MHz, 16 dBi Panel



Plot 309. EIRP, 5825 MHz, Average, 802.11n 10 MHz, 16 dBi Panel

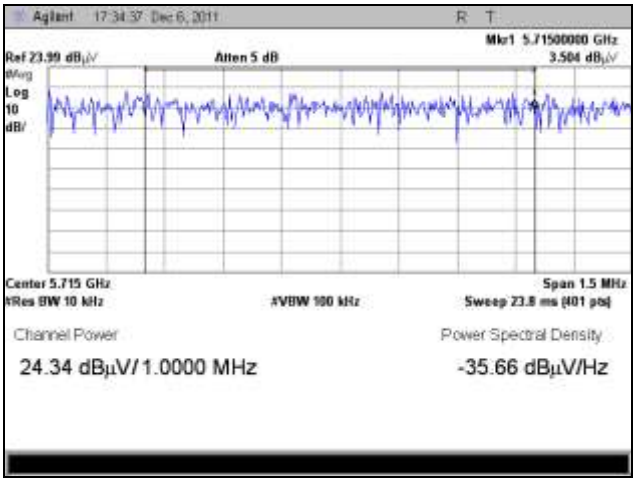


Plot 310. EIRP, 5825 MHz, Peak, 802.11n 10 MHz, 16 dBi Panel

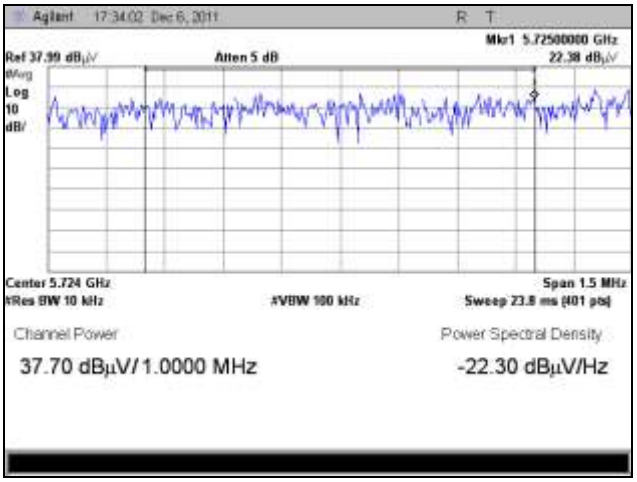


Plot 311. EIRP, 5835 MHz, 802.11n 10 MHz, 16 dBi Panel

EIRP, 802.11n 20 MHz, 16 dBi Panel

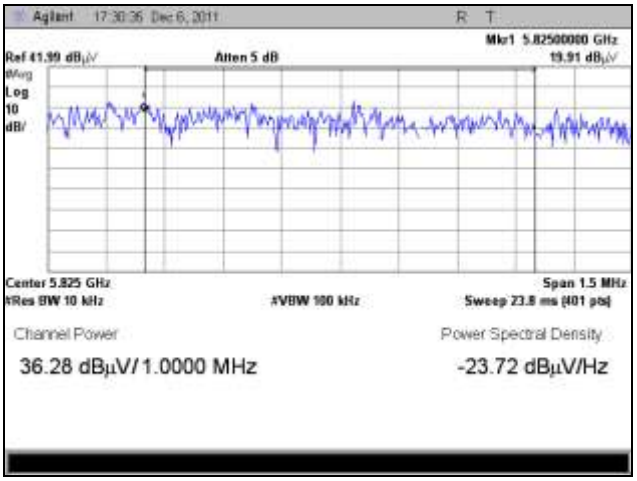


Plot 312. EIRP, 5715 MHz, 802.11n 20 MHz, 16 dBi Panel



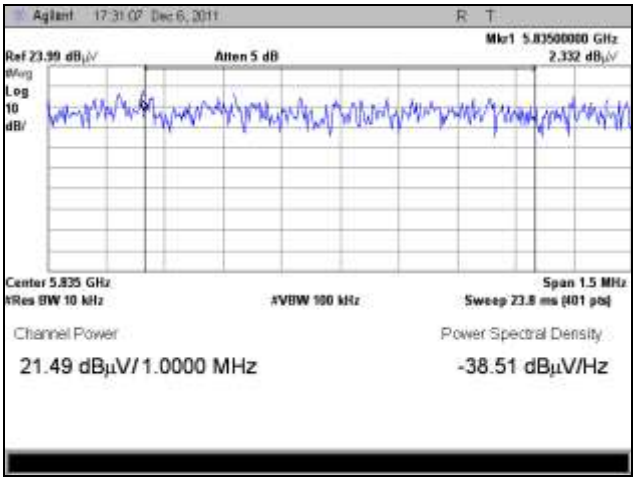
Plot 313. EIRP, 5725 MHz, Average, 802.11n 20 MHz, 16 dBi Panel

Plot 314. EIRP, 5725 MHz, Peak, 802.11n 20 MHz, 16 dBi Panel



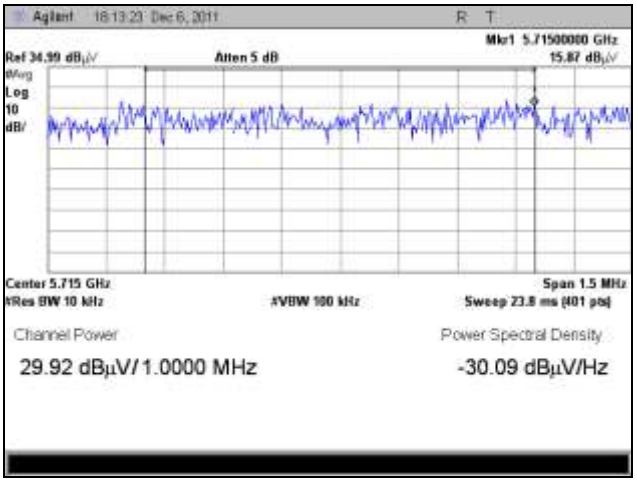
Plot 315. EIRP, 5825 MHz, Average, 802.11n 20 MHz, 16 dBi Panel

Plot 316. EIRP, 5825 MHz, Peak, 802.11n 20 MHz, 16 dBi Panel

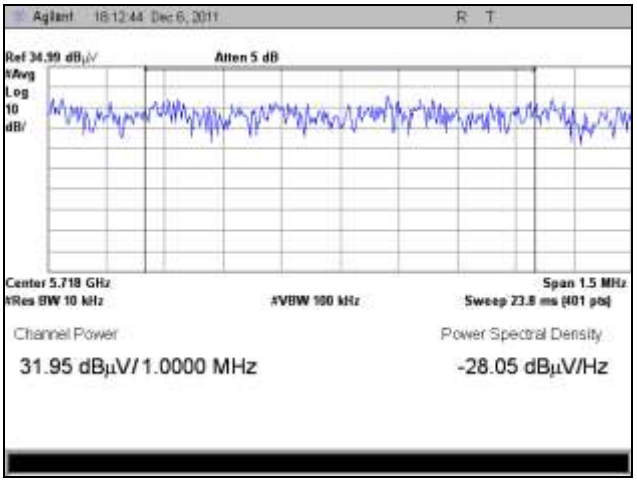


Plot 317. EIRP, 5835 MHz, 802.11n 20 MHz, 16 dBi Panel

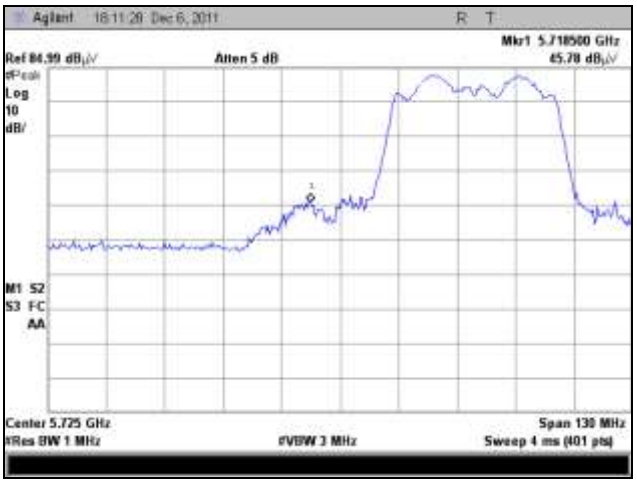
EIRP, 802.11n 40 MHz, 16 dBi Panel



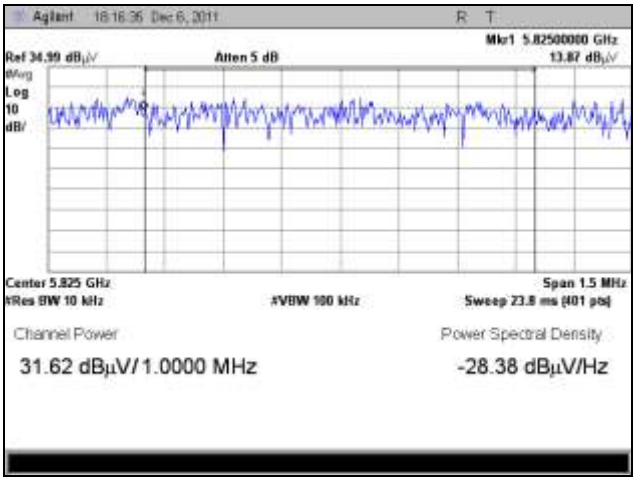
Plot 318. EIRP, 5715 MHz, 802.11n 40 MHz, 16 dBi Panel



Plot 319. EIRP, 5718 MHz, 802.11n 40 MHz, 16 dBi Panel

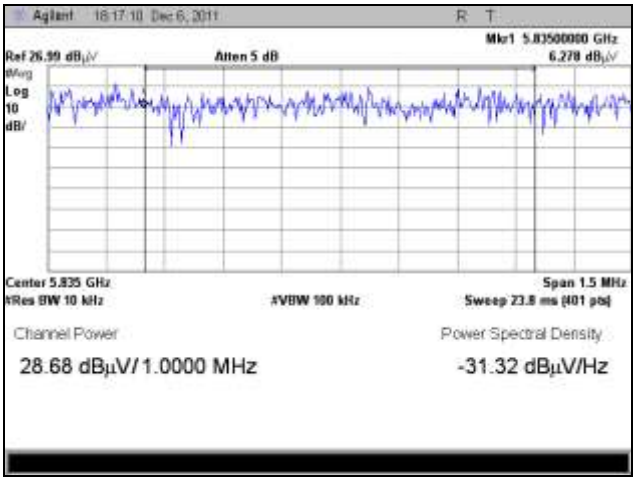


Plot 320. EIRP, 5725 MHz, Peak, 802.11n 40 MHz, 16 dBi Panel



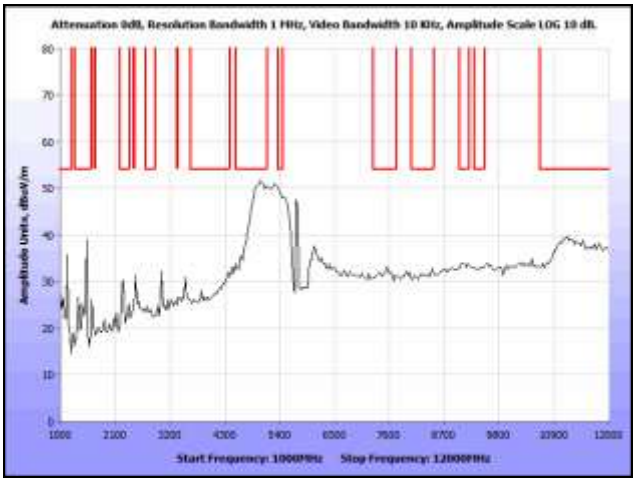
Plot 321. EIRP, 5825 MHz, Average, 802.11n 40 MHz, 16 dBi Panel

Plot 322. EIRP, 5825 MHz, Peak, 802.11n 40 MHz, 16 dBi Panel

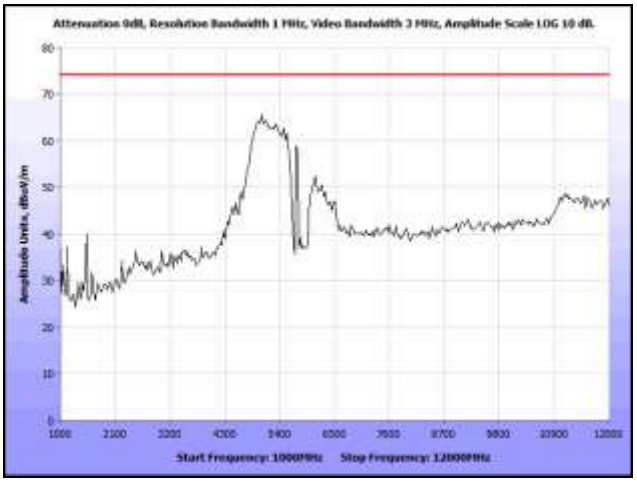


Plot 323. EIRP, 5835 MHz, 802.11n 40 MHz, 16 dBi Panel

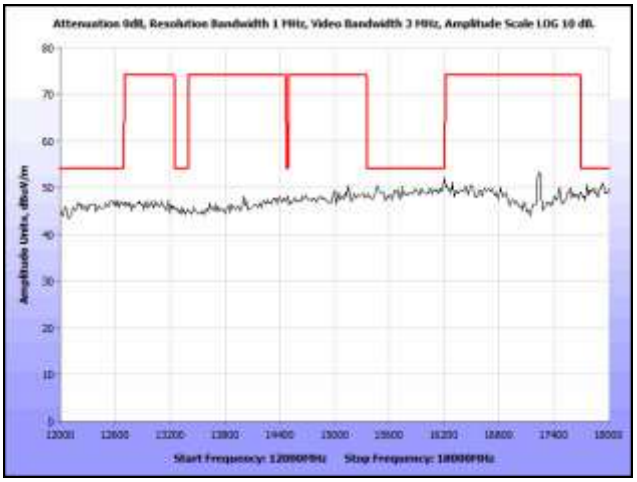
Restricted Band, 802.11a, 9 dBi Omni



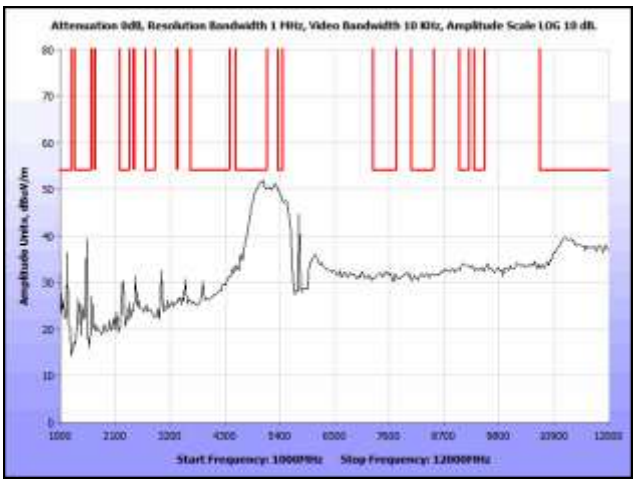
Plot 324. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11a, 9 dBi Omni



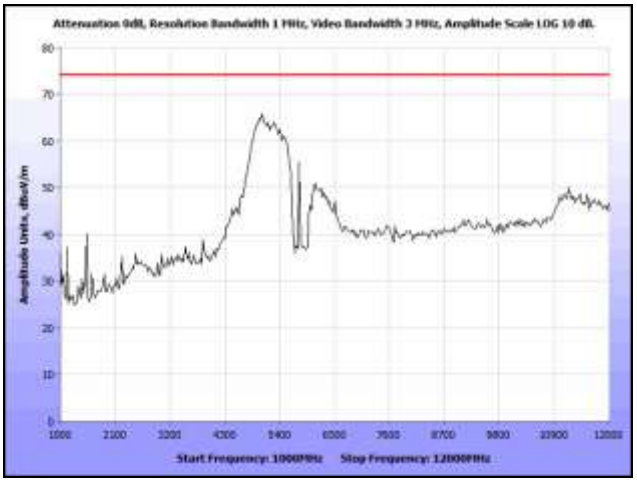
Plot 325. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11a, 9 dBi Omni



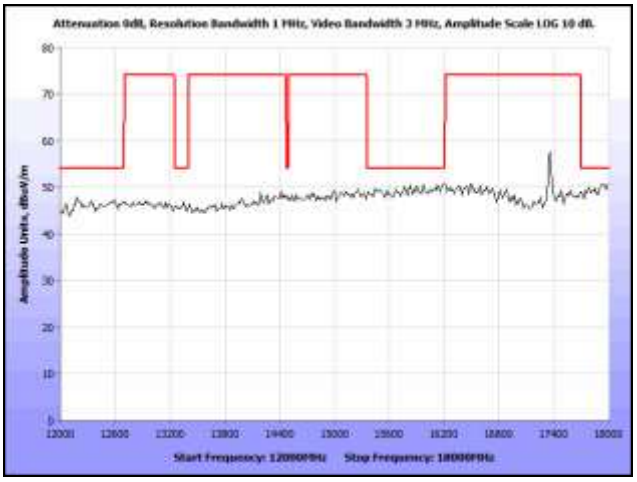
Plot 326. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11a, 9 dBi Omni



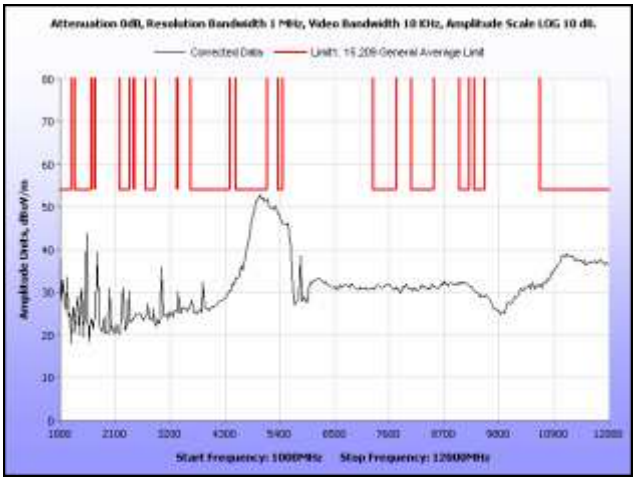
Plot 327. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11a, 9 dBi Omni



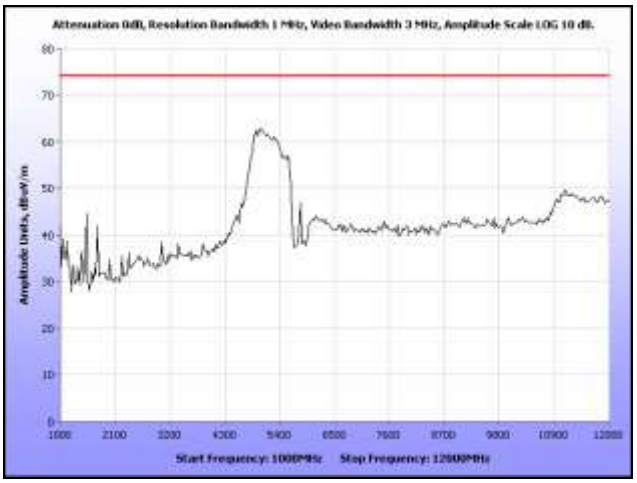
Plot 328. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11a, 9 dBi Omni



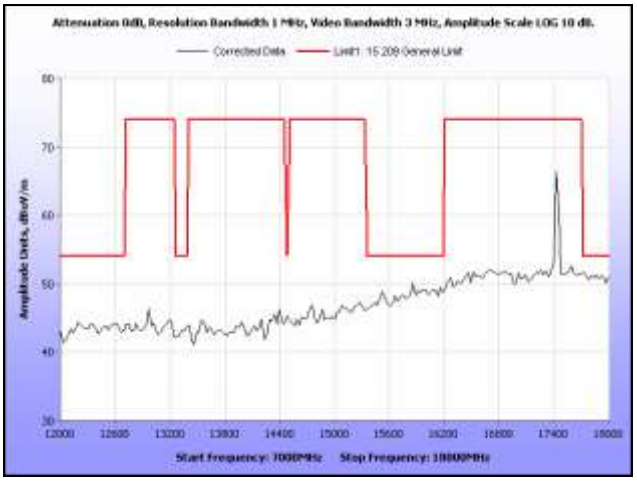
Plot 329. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11a, 9 dBi Omni



Plot 330. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11a, 9 dBi Omni

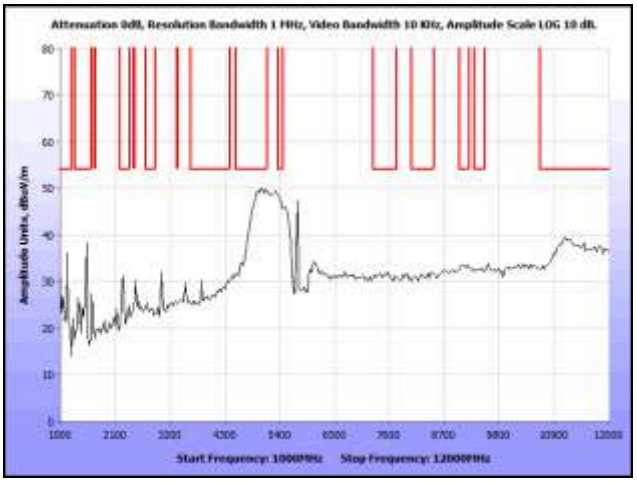


Plot 331. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11a, 9 dBi Omni

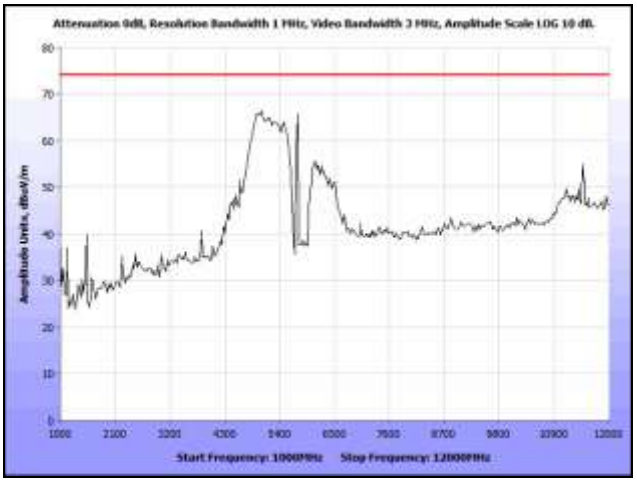


Plot 332. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11a, 9 dBi Omni

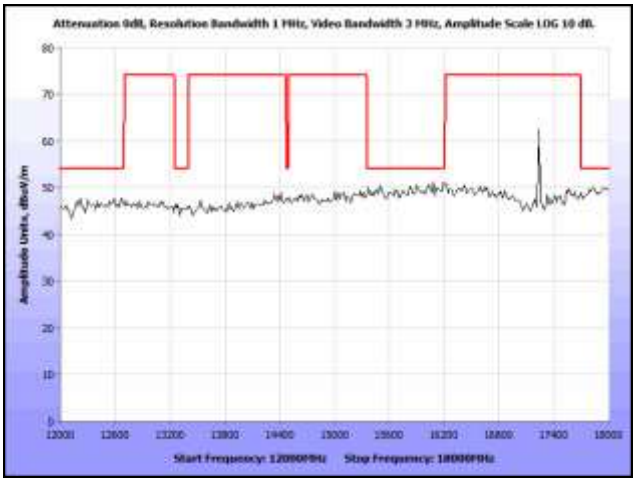
Restricted Band, 802.11n 5 MHz, 9 dBi Omni



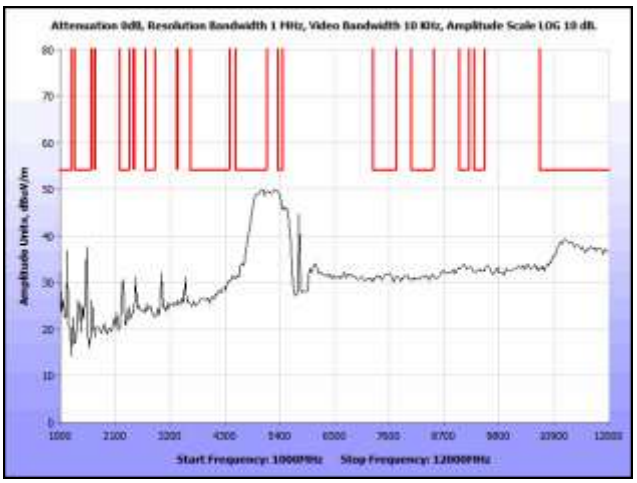
Plot 333. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 9 dBi Omni



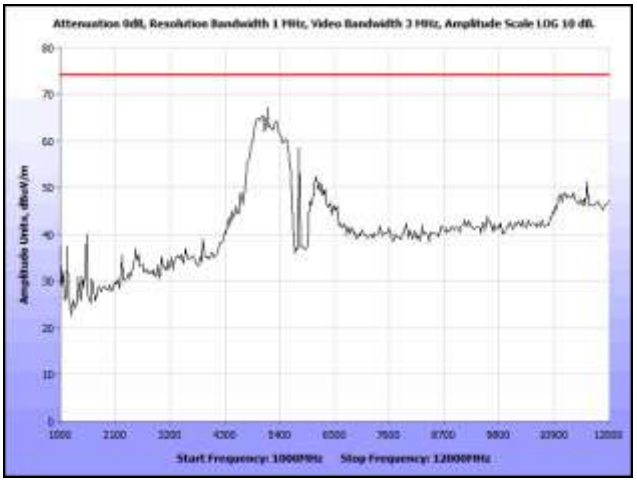
Plot 334. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 9 dBi Omni



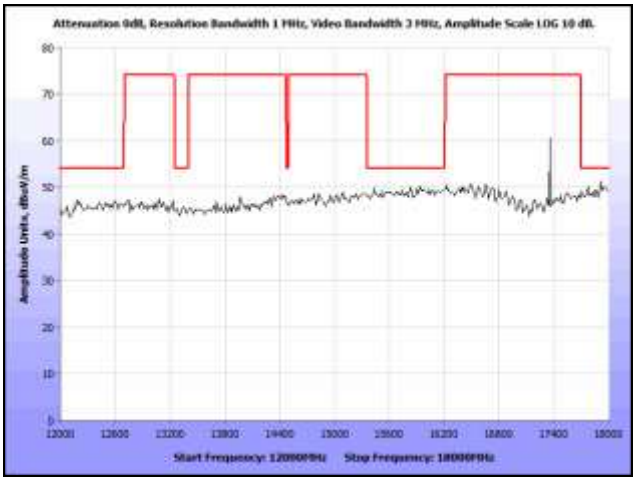
Plot 335. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 9 dBi Omni



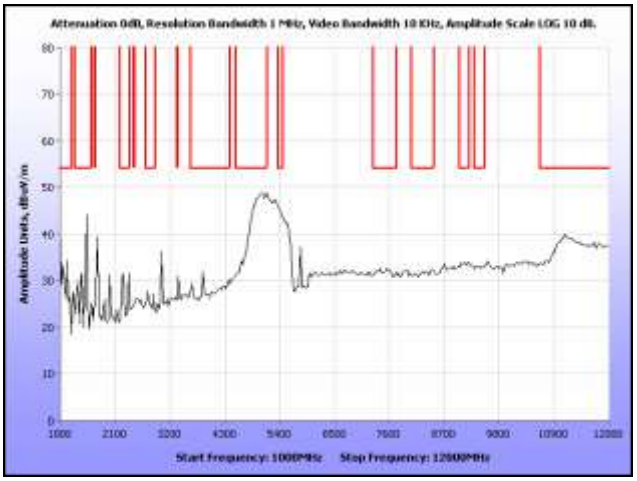
Plot 336. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 9 dBi Omni



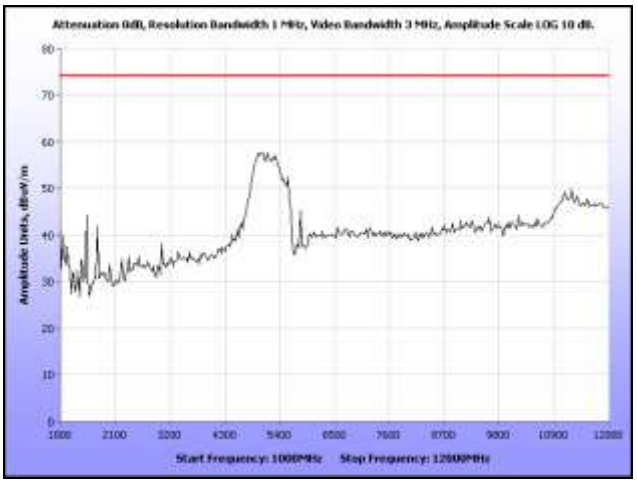
Plot 337. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 9 dBi Omni



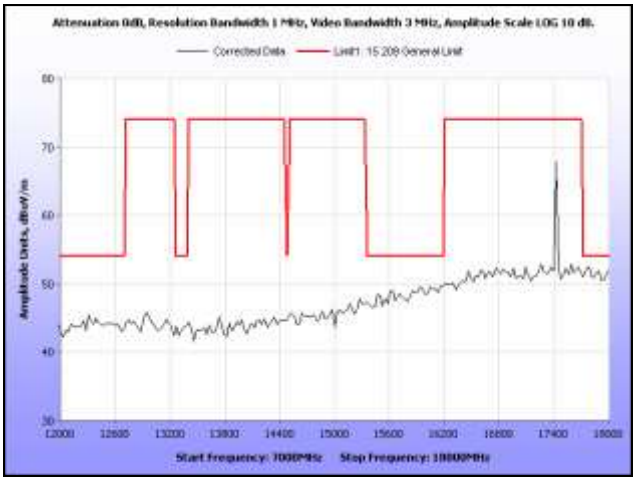
Plot 338. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 9 dBi Omni



Plot 339. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 9 dBi Omni

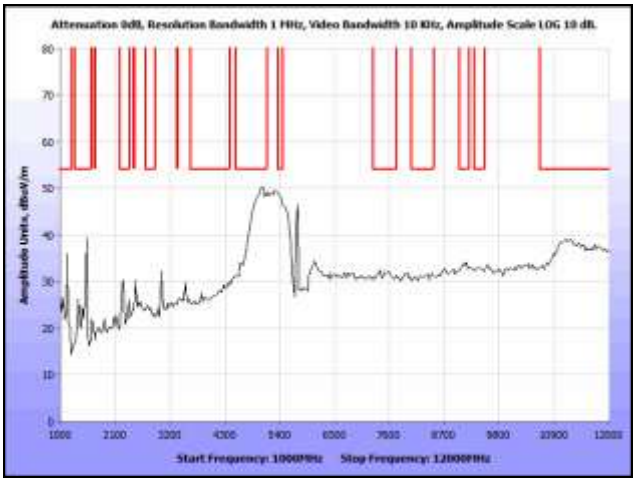


Plot 340. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 9 dBi Omni

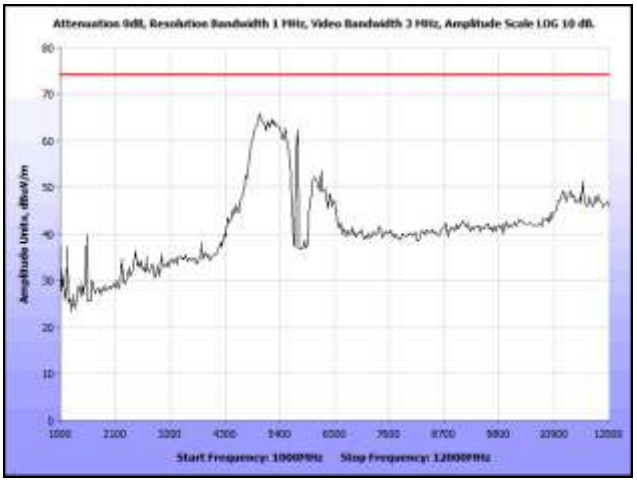


Plot 341. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 9 dBi Omni

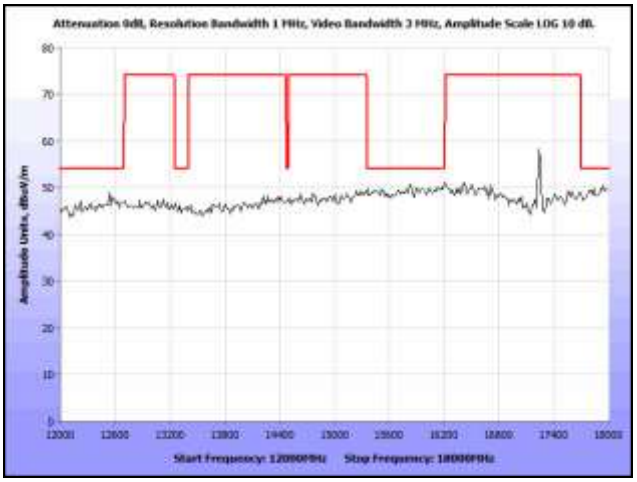
Restricted Band, 802.11n 10 MHz, 9 dBi Omni



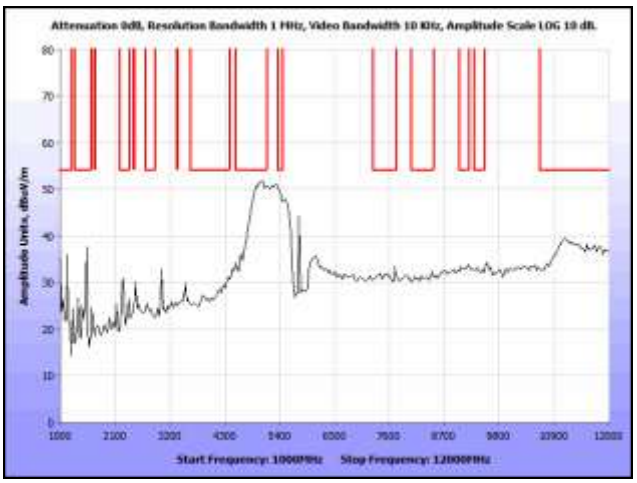
Plot 342. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 9 dBi Omni



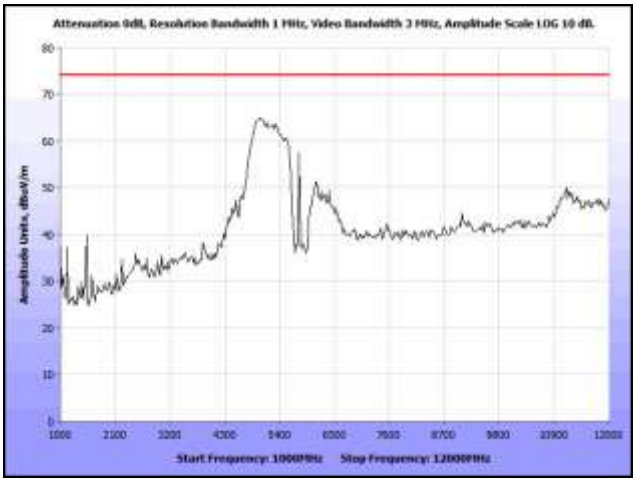
Plot 343. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 9 dBi Omni



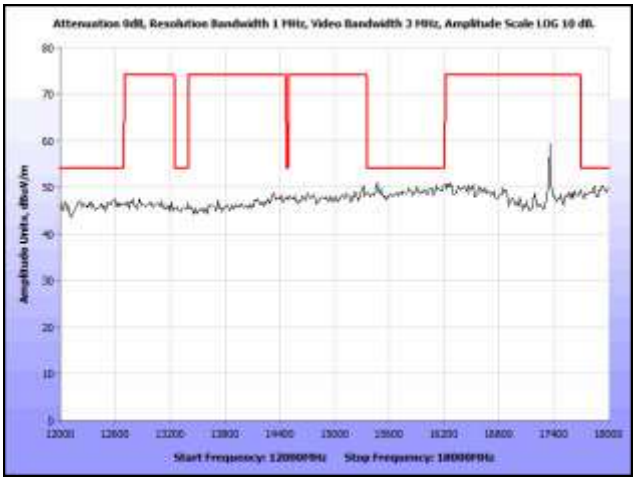
Plot 344. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 9 dBi Omni



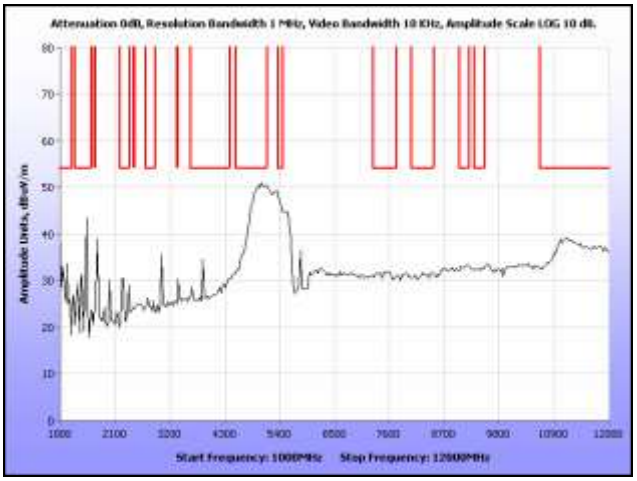
Plot 345. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 9 dBi Omni



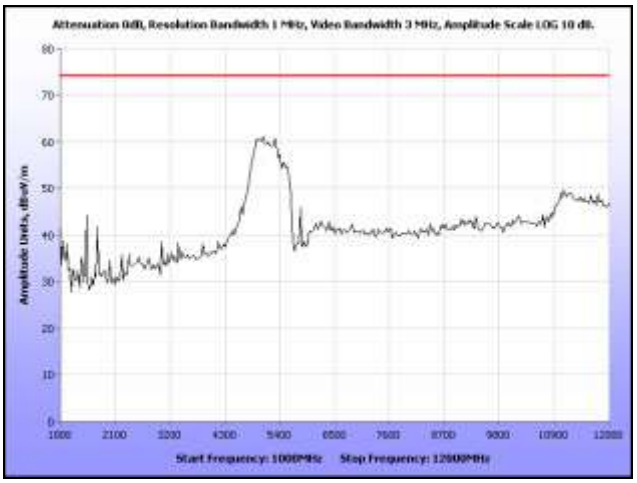
Plot 346. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 9 dBi Omni



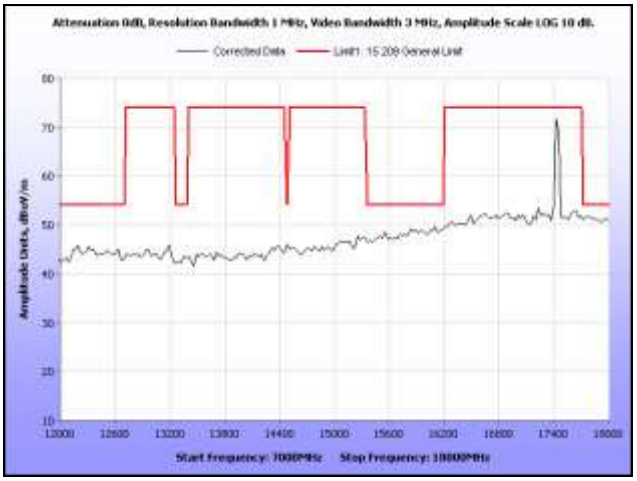
Plot 347. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 9 dBi Omni



Plot 348. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 9 dBi Omni

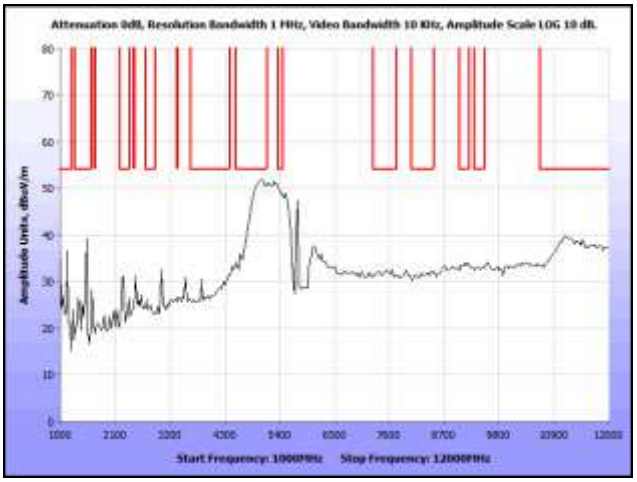


Plot 349. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 9 dBi Omni

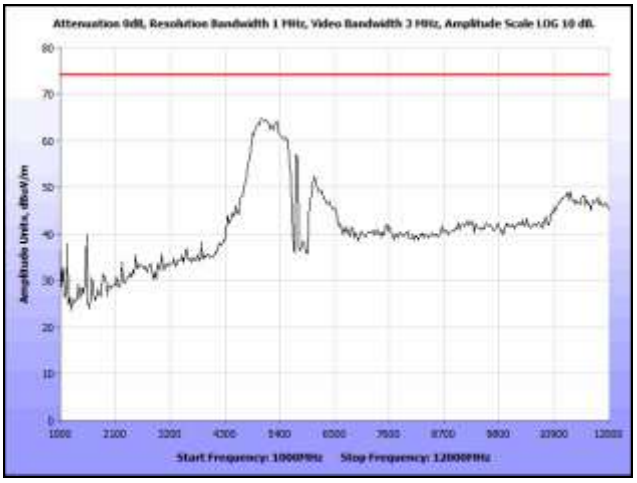


Plot 350. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 9 dBi Omni

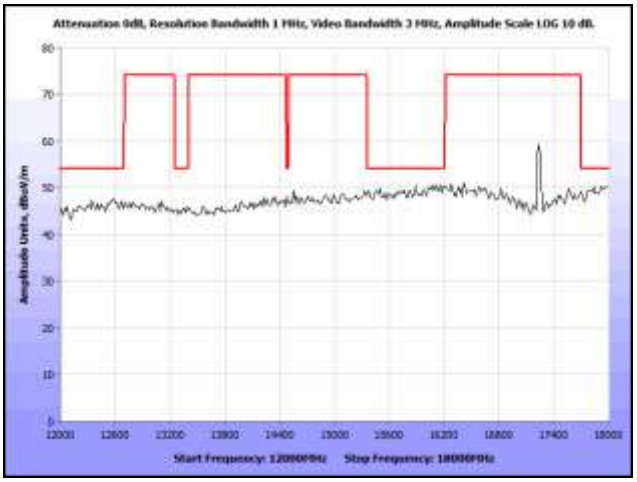
Restricted Band, 802.11n 20 MHz, 9 dBi Omni



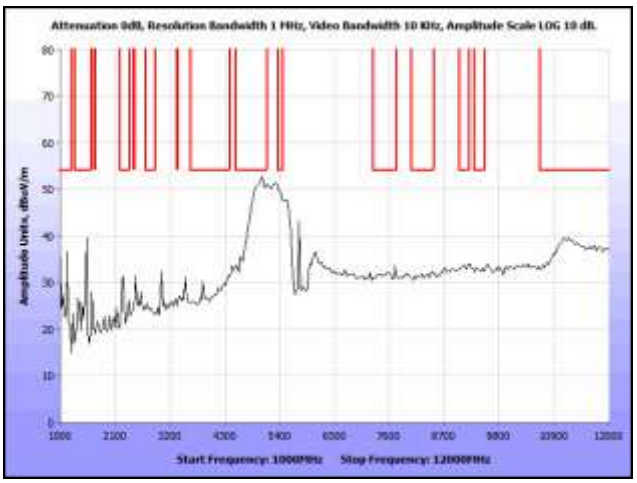
Plot 351. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 9 dBi Omni



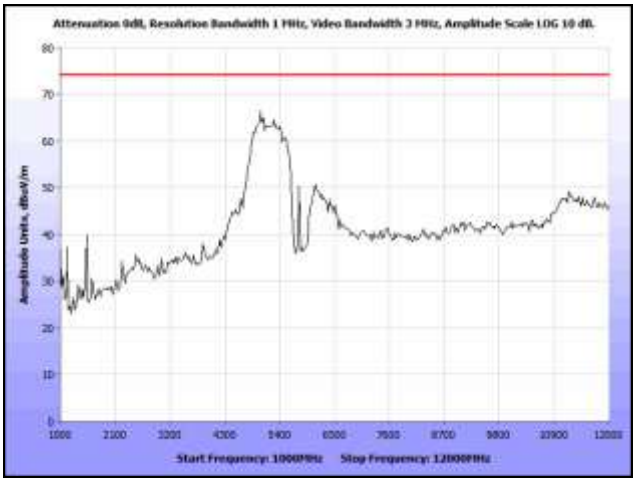
Plot 352. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 9 dBi Omni



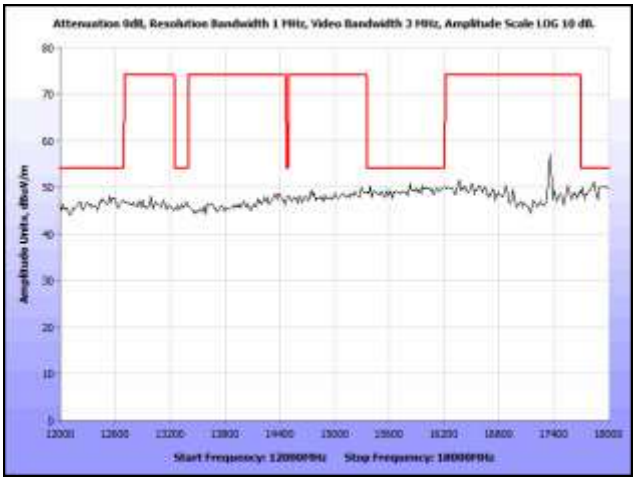
Plot 353. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 9 dBi Omni



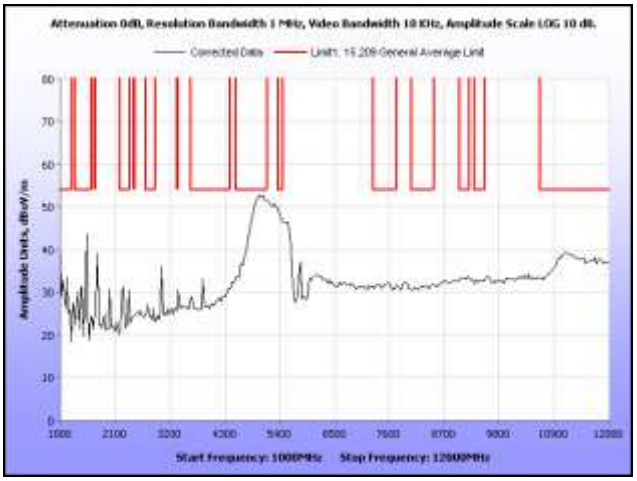
Plot 354. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 9 dBi Omni



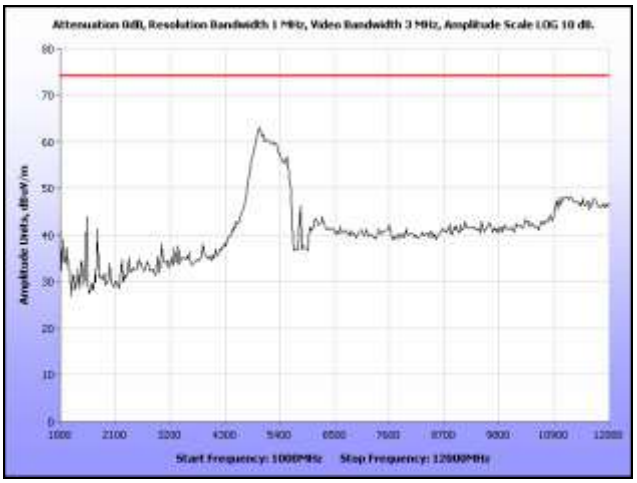
Plot 355. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 9 dBi Omni



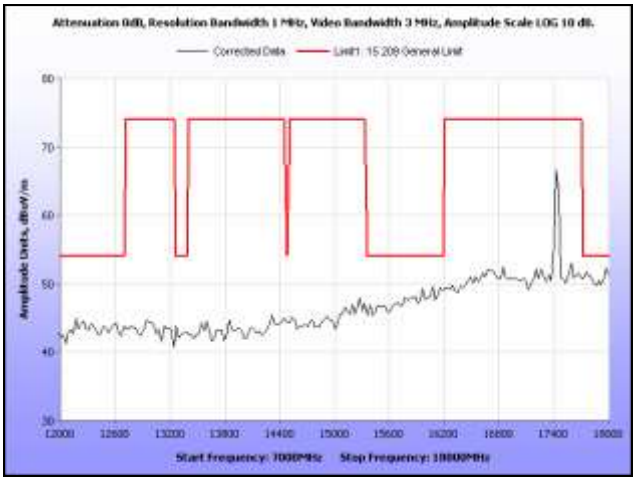
Plot 356. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 9 dBi Omni



Plot 357. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 9 dBi Omni

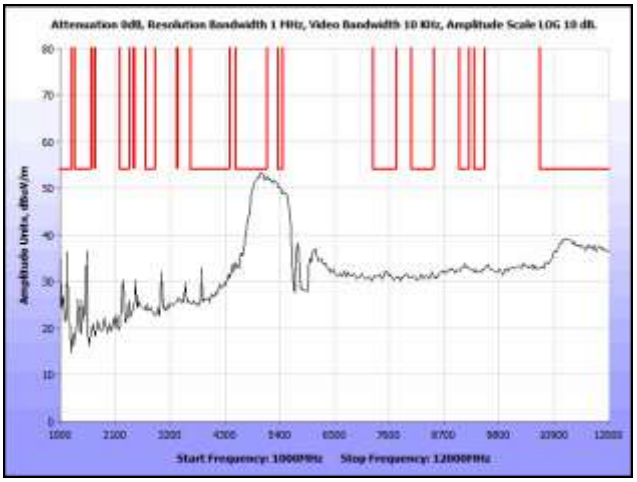


Plot 358. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 9 dBi Omni

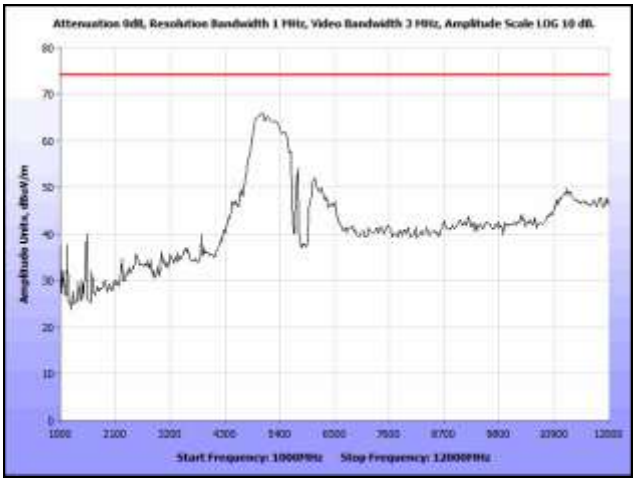


Plot 359. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 9 dBi Omni

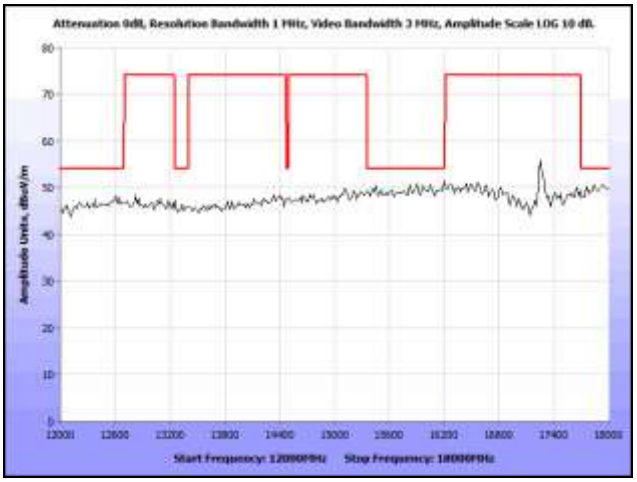
Restricted Band, 802.11n 40 MHz, 9 dBi Omni



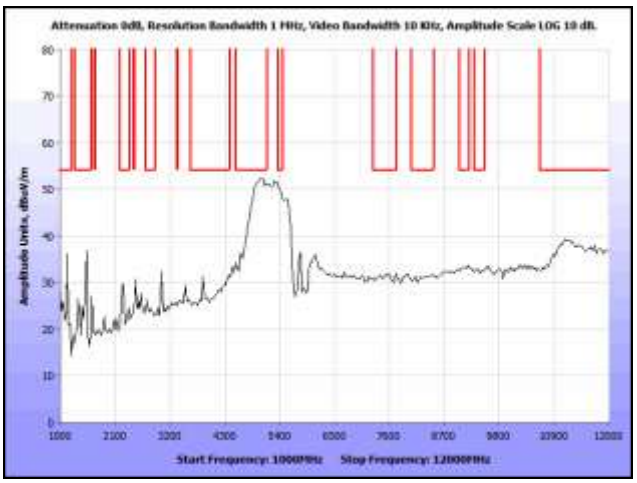
Plot 360. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 9 dBi Omni



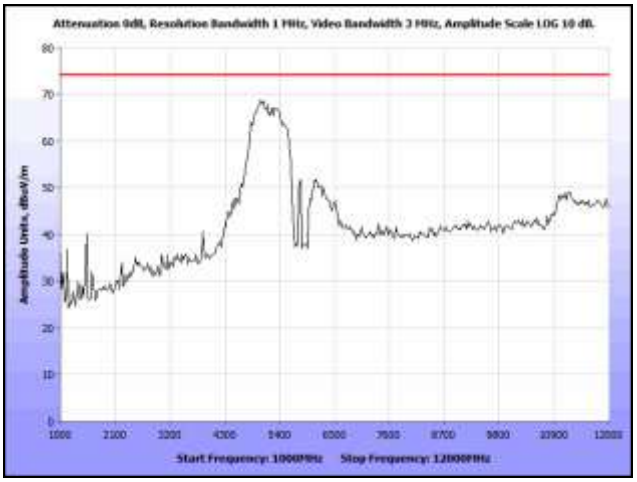
Plot 361. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 9 dBi Omni



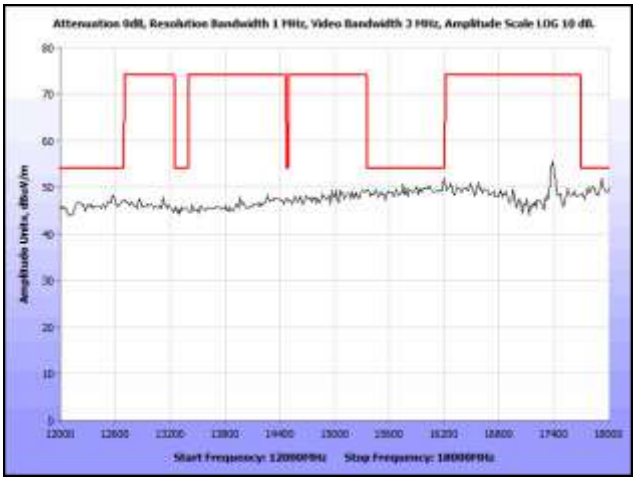
Plot 362. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 9 dBi Omni



Plot 363. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 9 dBi Omni

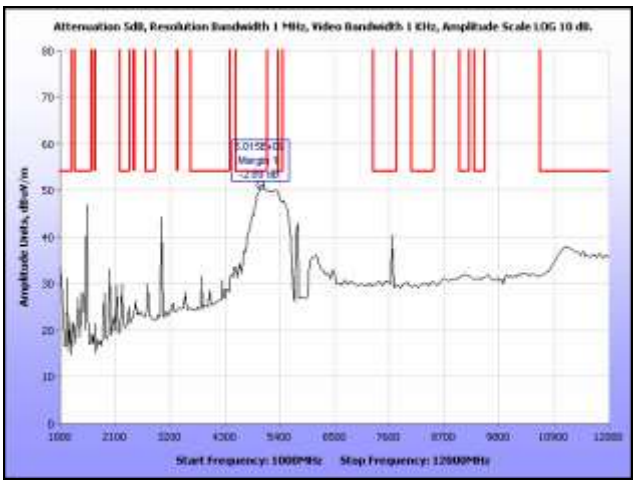


Plot 364. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 9 dBi Omni

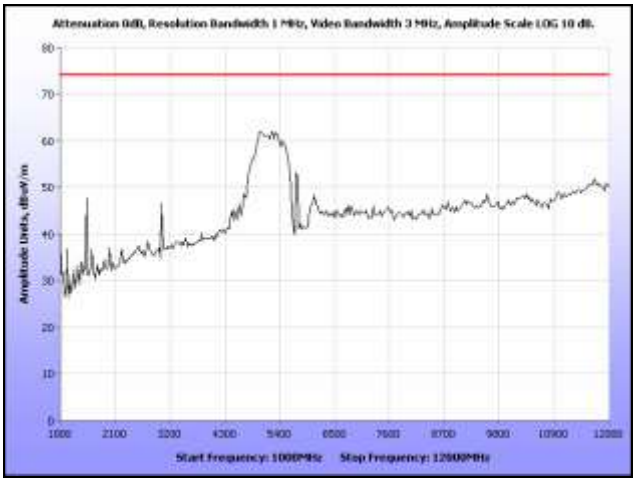


Plot 365. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 9 dBi Omni

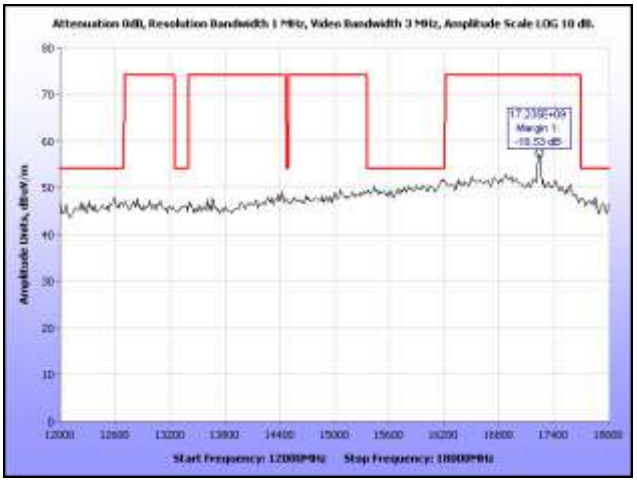
Restricted Band, 802.11a, 15 dBi Sector



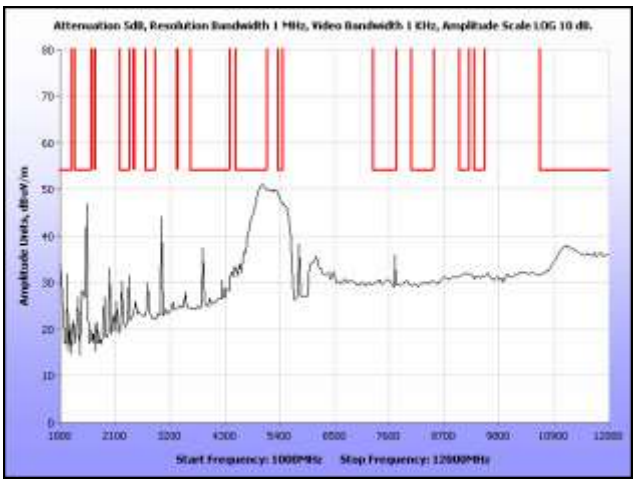
Plot 366. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11a, 15 dBi Sector



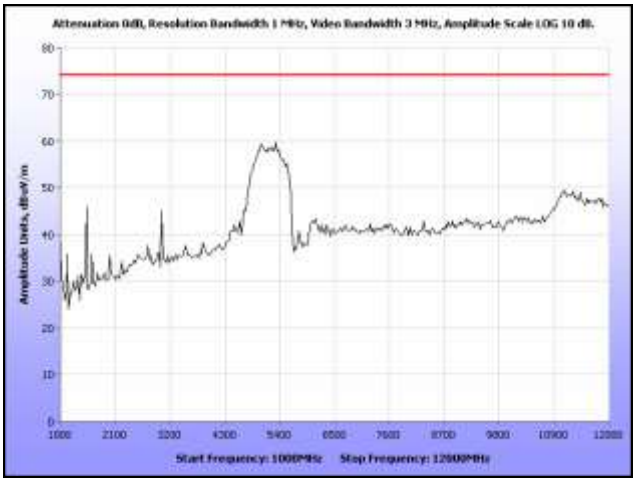
Plot 367. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11a, 15 dBi Sector



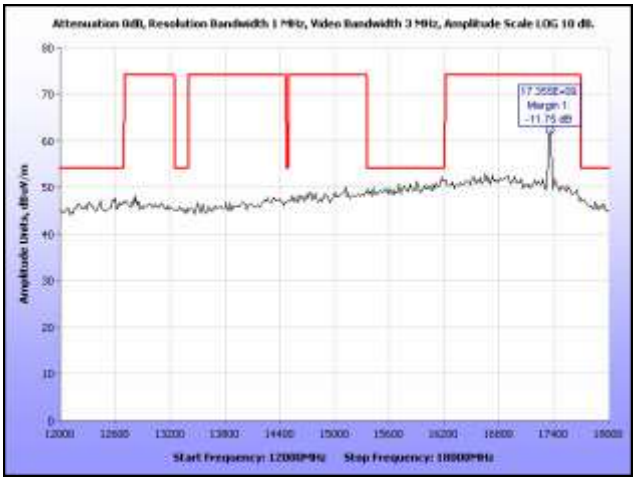
Plot 368. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11a, 15 dBi Sector



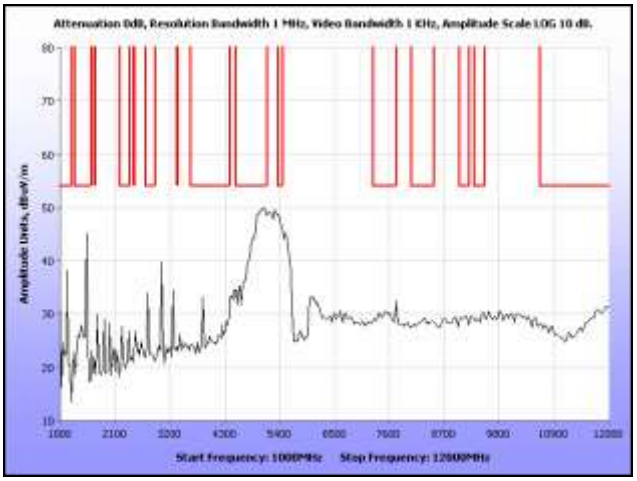
Plot 369. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11a, 15 dBi Sector



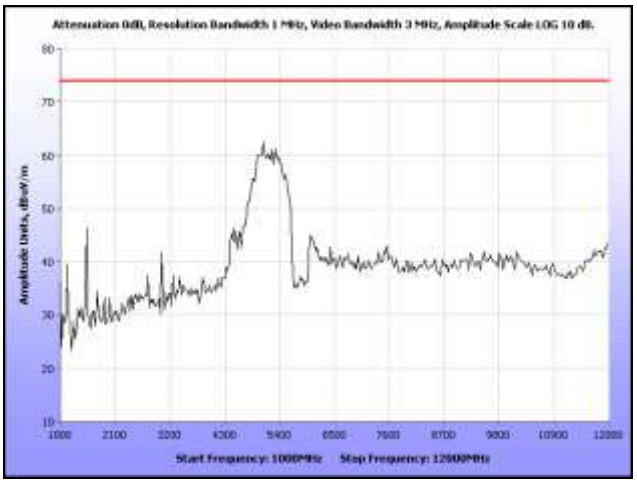
Plot 370. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11a, 15 dBi Sector



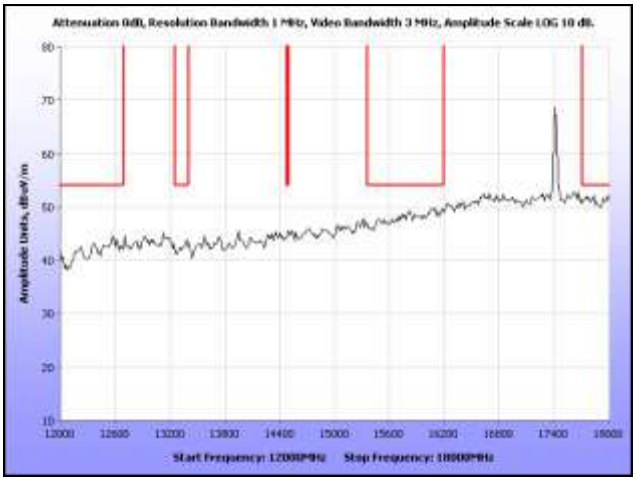
Plot 371. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11a, 15 dBi Sector



Plot 372. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11a, 15 dBi Sector

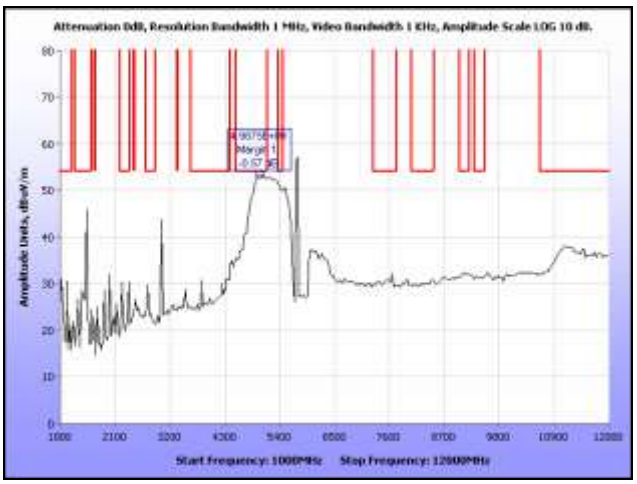


Plot 373. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11a, 15 dBi Sector

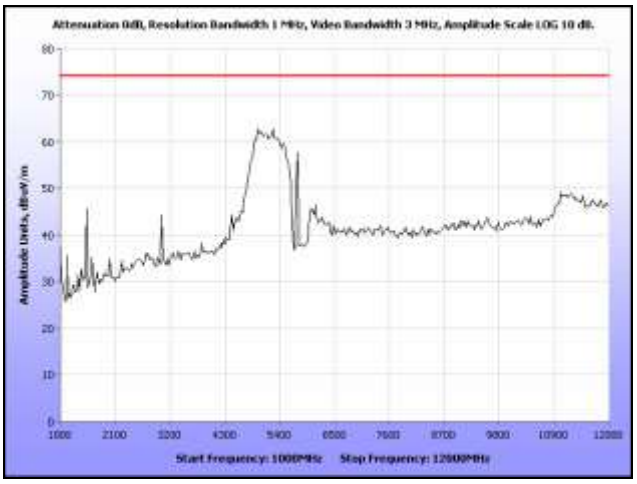


Plot 374. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11a, 15 dBi Sector

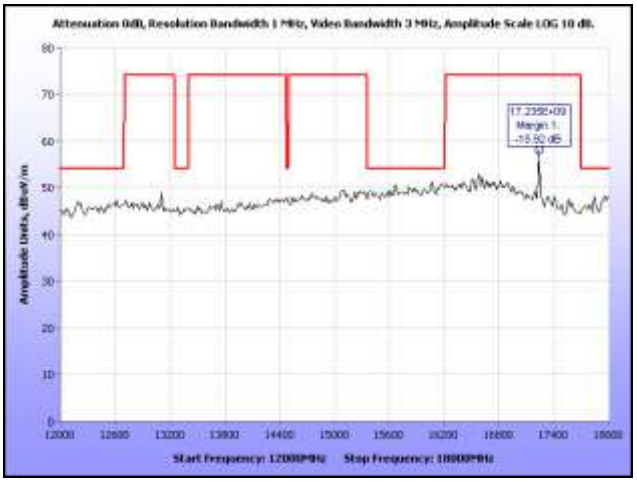
Restricted Band, 802.11n 5 MHz, 15 dBi Sector



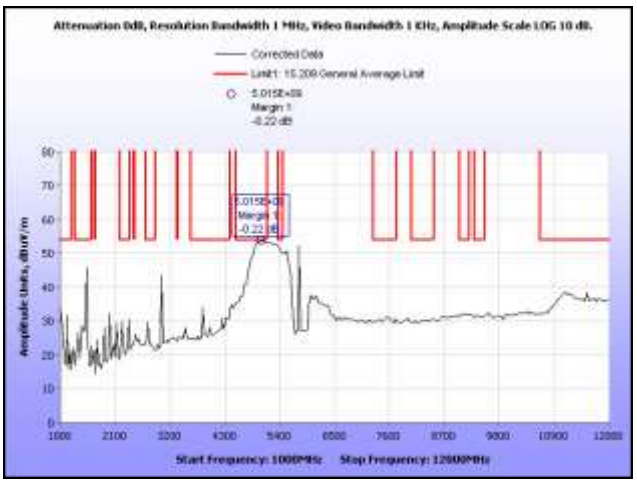
Plot 375. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 15 dBi Sector



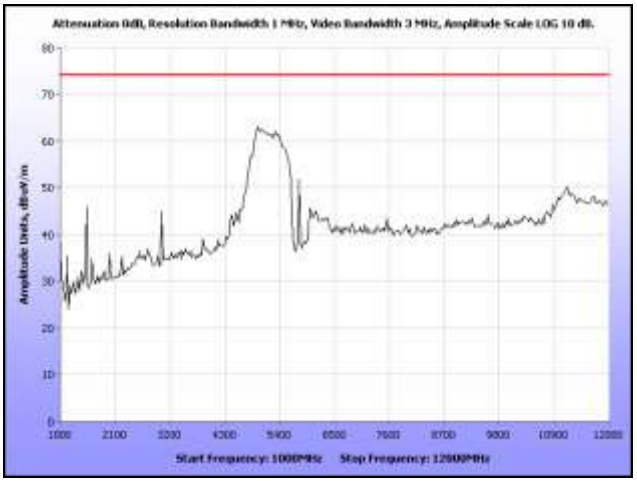
Plot 376. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 15 dBi Sector



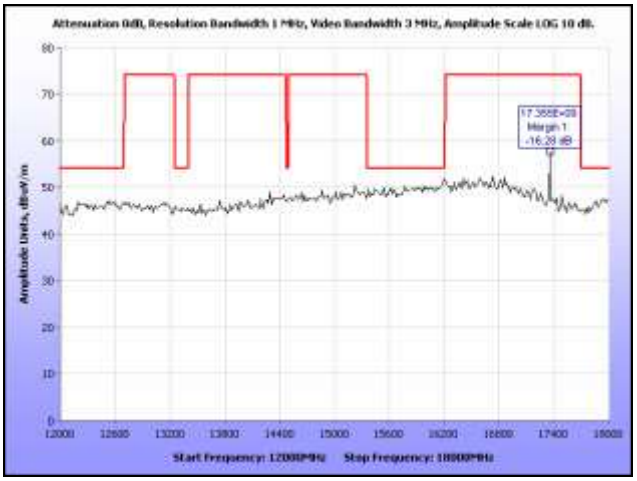
Plot 377. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 15 dBi Sector



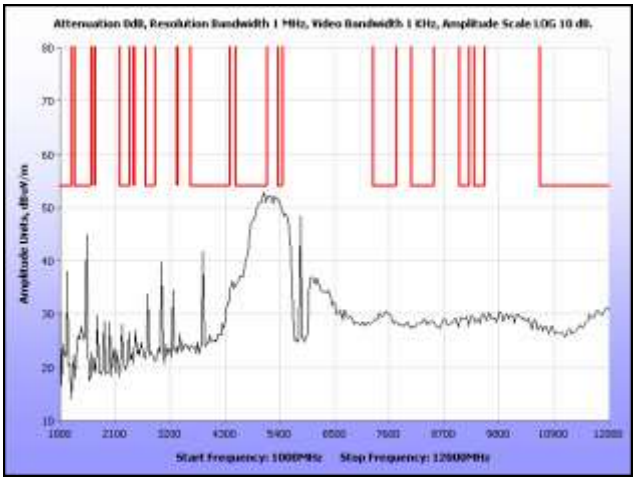
Plot 378. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 15 dBi Sector



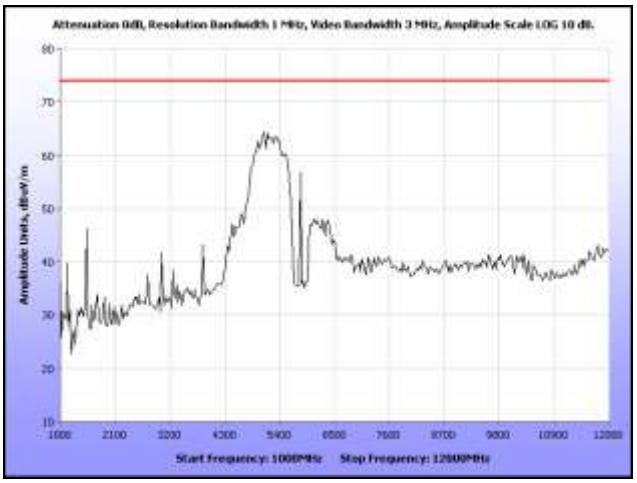
Plot 379. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 15 dBi Sector



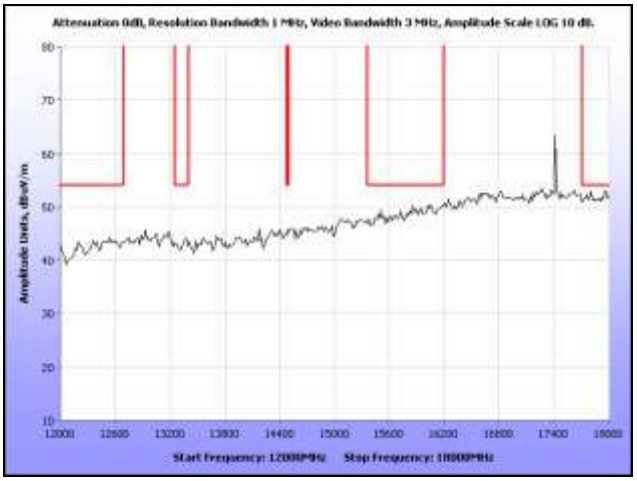
Plot 380. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 15 dBi Sector



Plot 381. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 15 dBi Sector

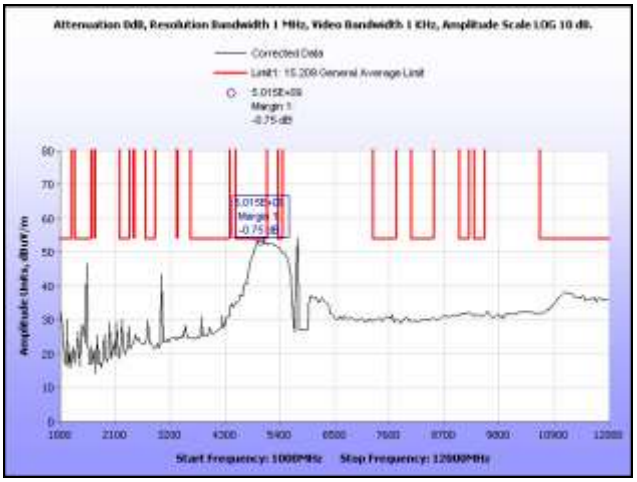


Plot 382. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 15 dBi Sector

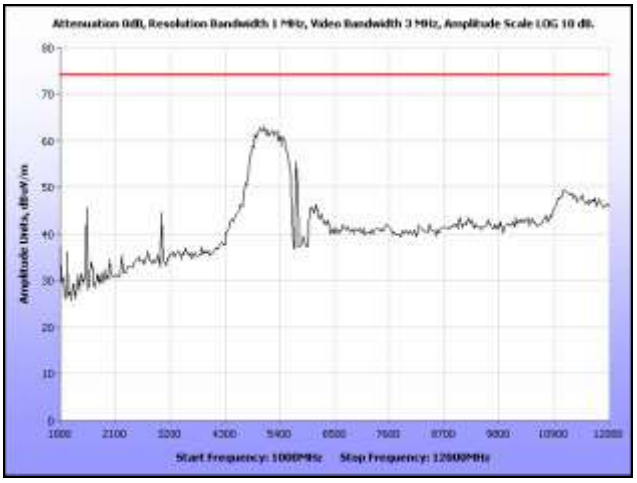


Plot 383. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 15 dBi Sector

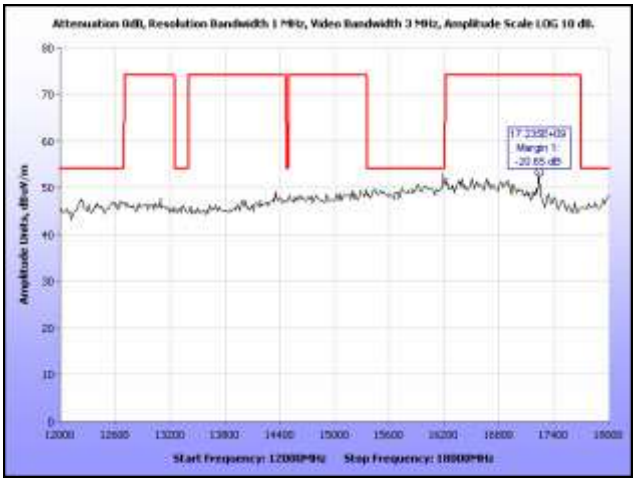
Restricted Band, 802.11n 10 MHz, 15 dBi Sector



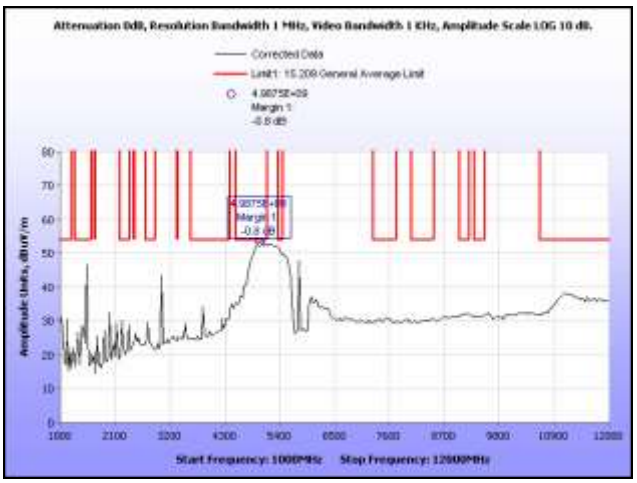
Plot 384. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 15 dBi Sector



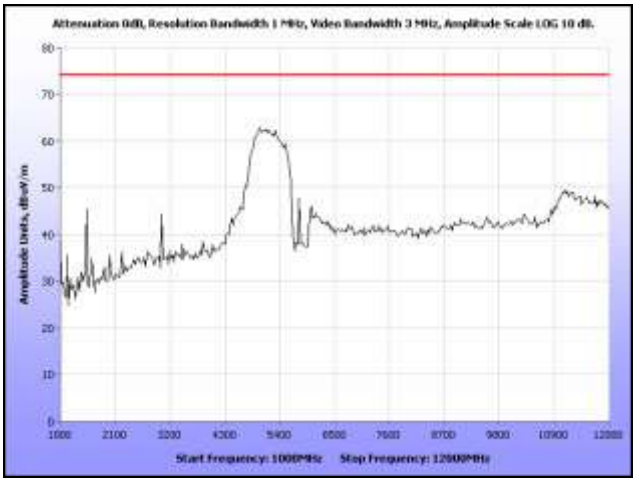
Plot 385. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 15 dBi Sector



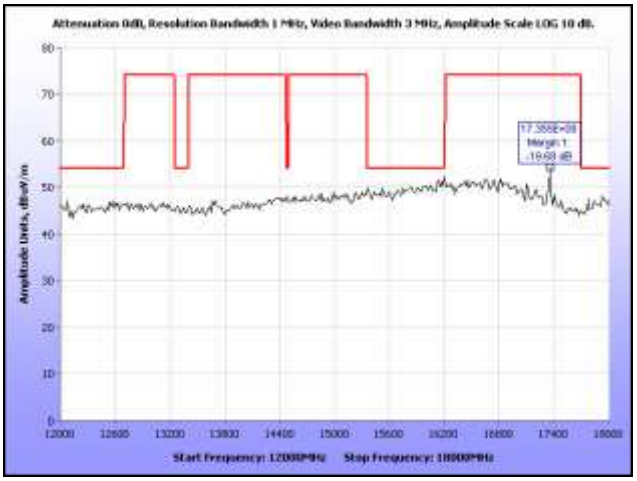
Plot 386. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 15 dBi Sector



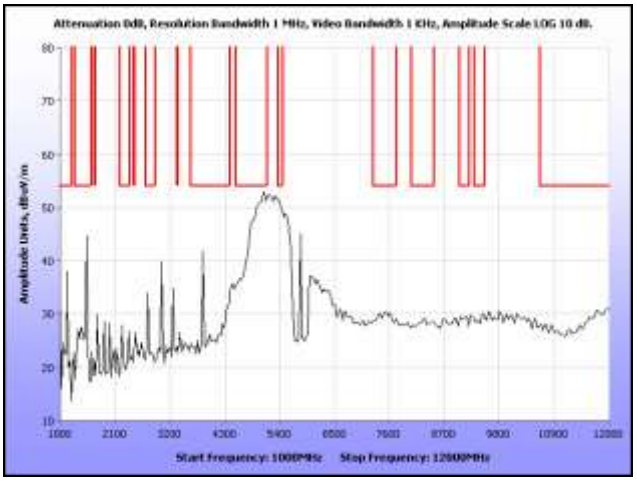
Plot 387. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 15 dBi Sector



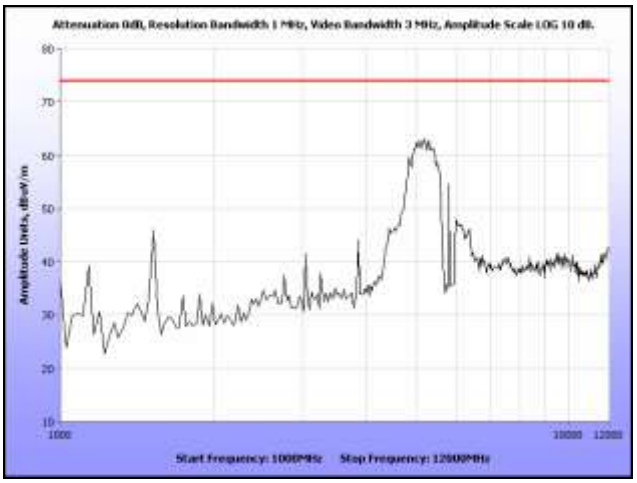
Plot 388. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 15 dBi Sector



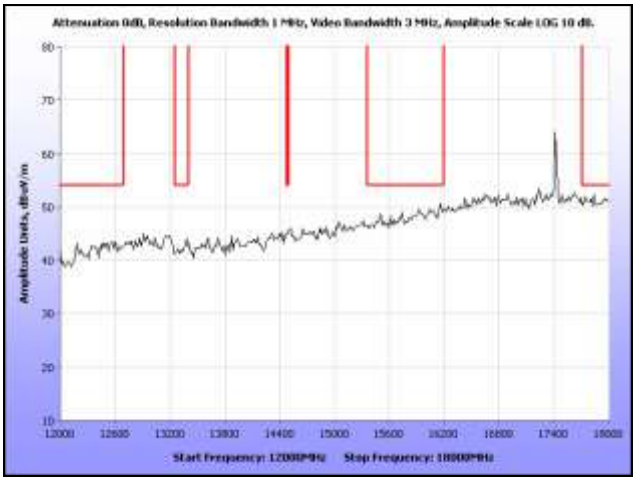
Plot 389. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 15 dBi Sector



Plot 390. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 15 dBi Sector

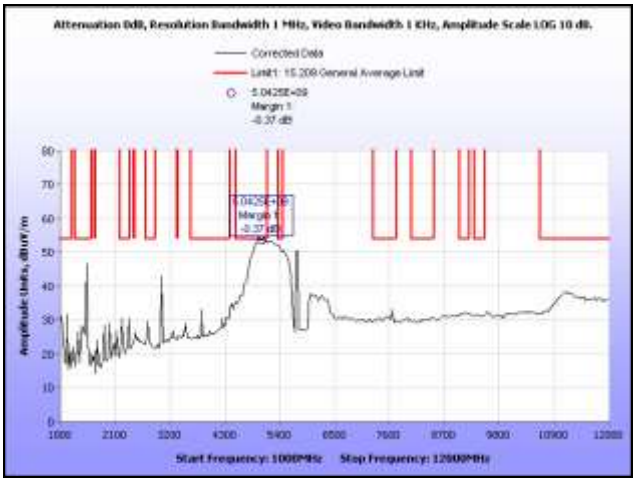


Plot 391. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 15 dBi Sector

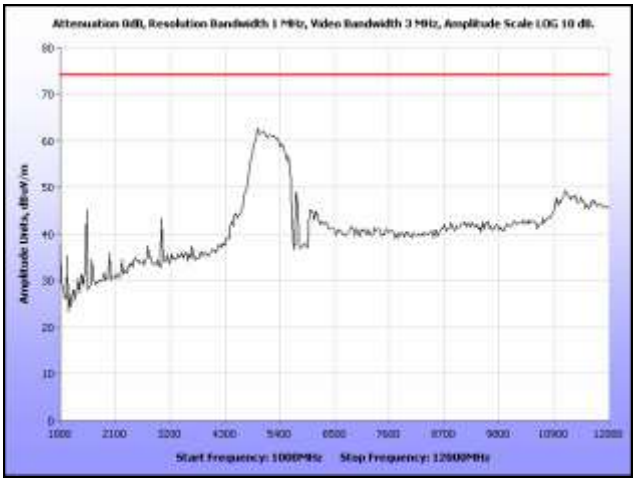


Plot 392. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 15 dBi Sector

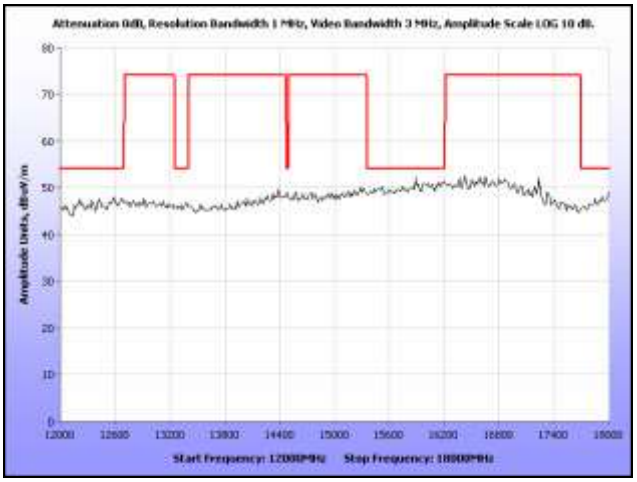
Restricted Band, 802.11n 20 MHz, 15 dBi Sector



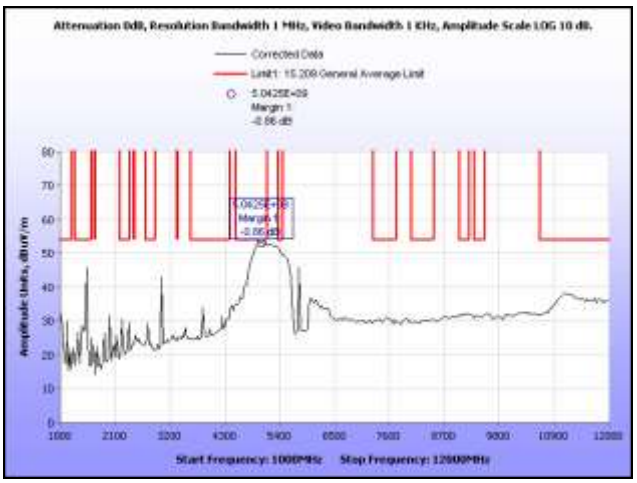
Plot 393. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 15 dBi Sector



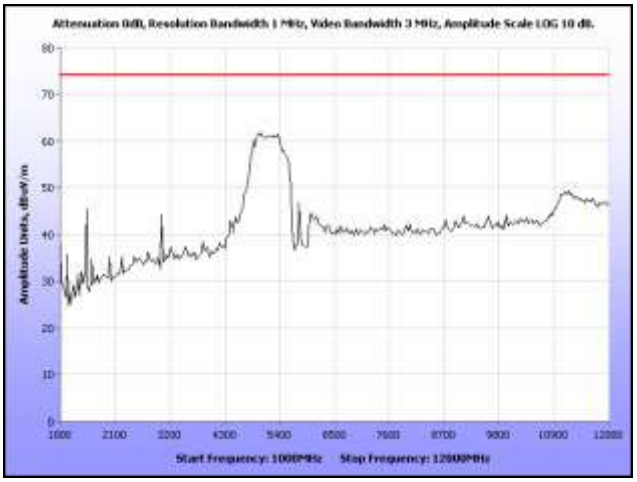
Plot 394. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 15 dBi Sector



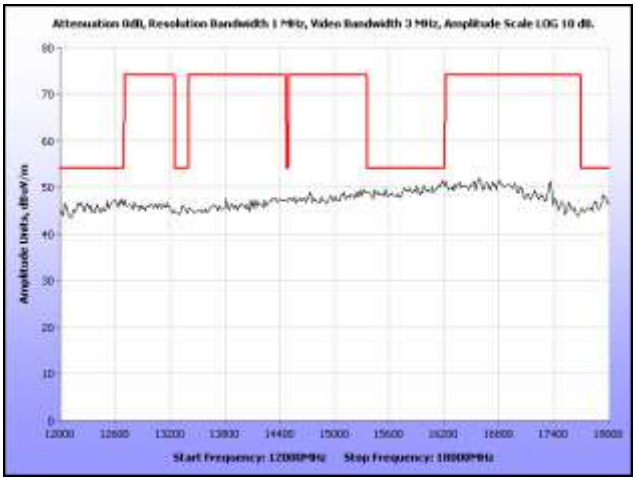
Plot 395. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 15 dBi Sector



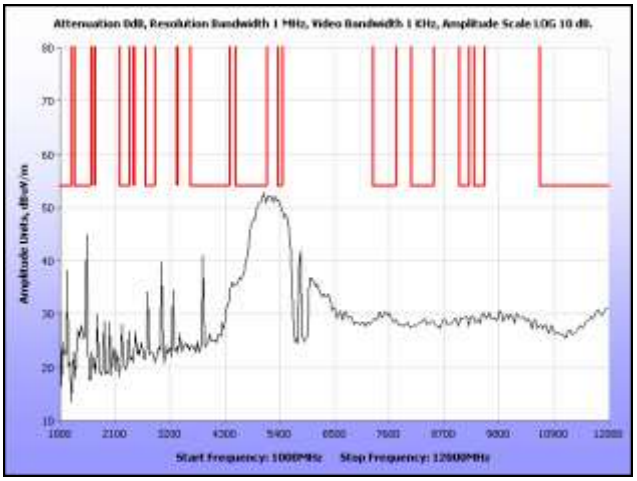
Plot 396. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 15 dBi Sector



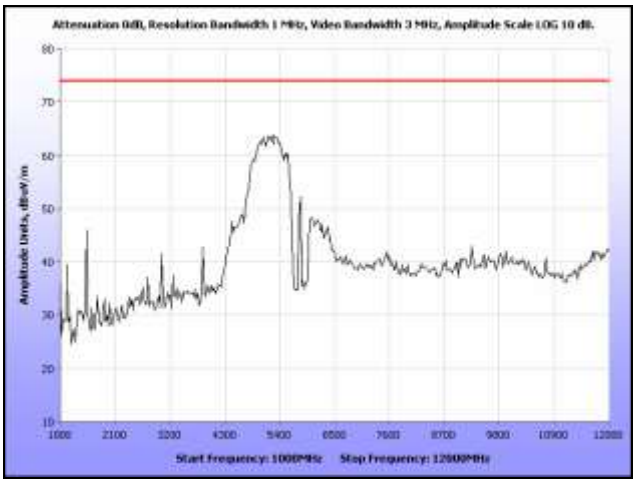
Plot 397. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 15 dBi Sector



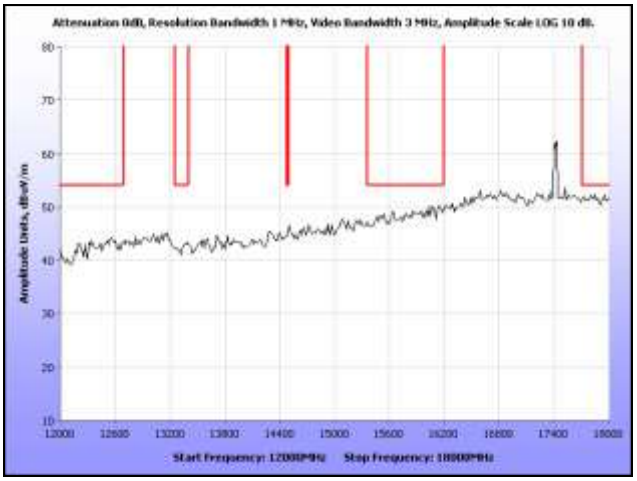
Plot 398. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 15 dBi Sector



Plot 399. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 15 dBi Sector

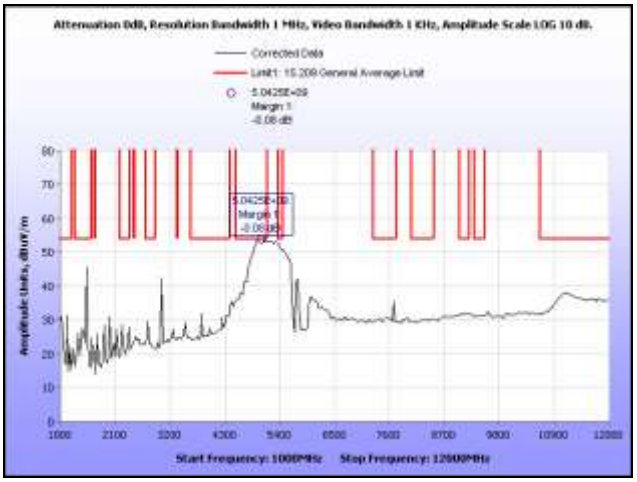


Plot 400. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 15 dBi Sector

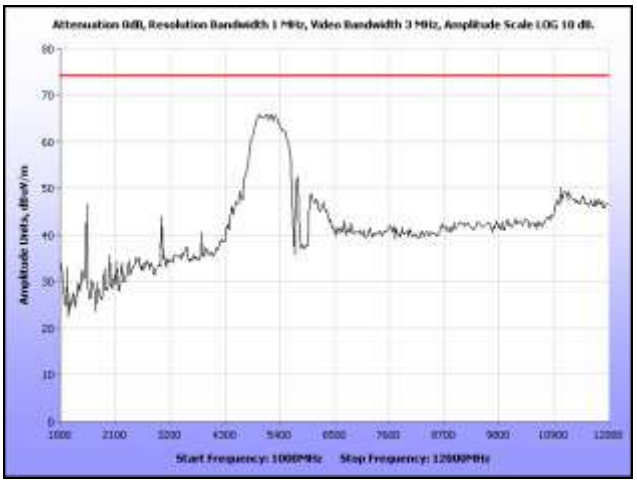


Plot 401. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 15 dBi Sector

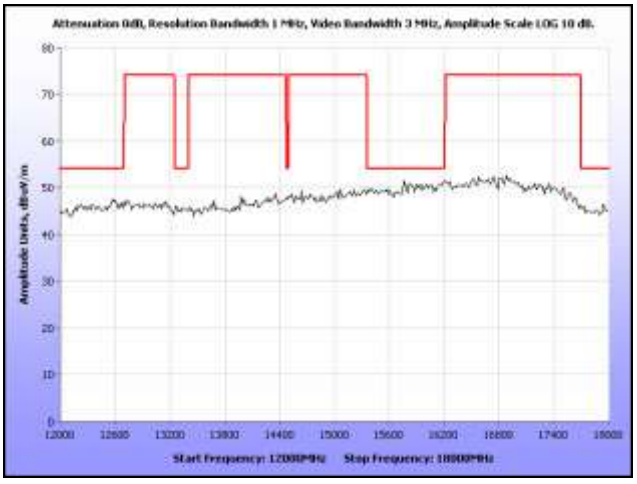
Restricted Band, 802.11n 40 MHz, 15 dBi Sector



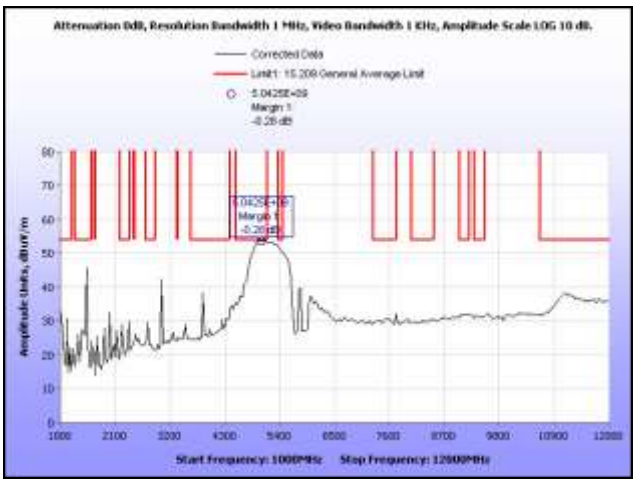
Plot 402. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 15 dBi Sector



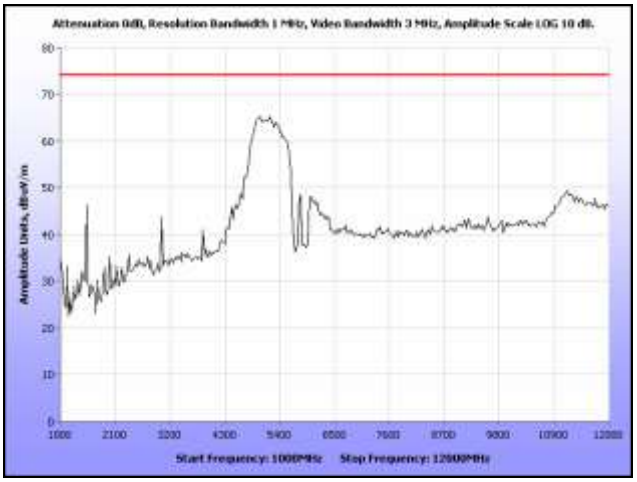
Plot 403. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 15 dBi Sector



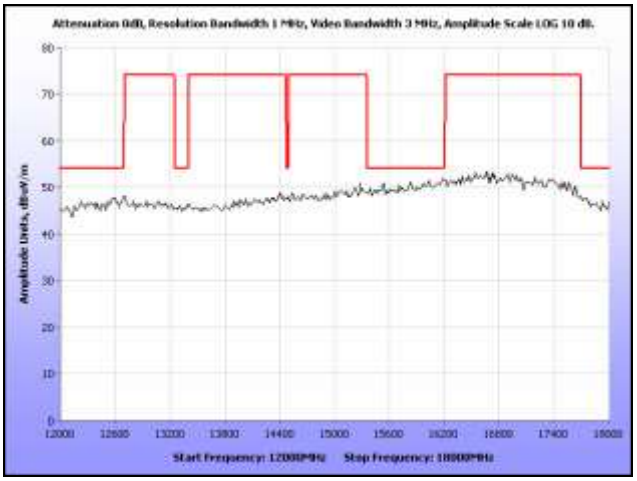
Plot 404. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 15 dBi Sector



Plot 405. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 15 dBi Sector

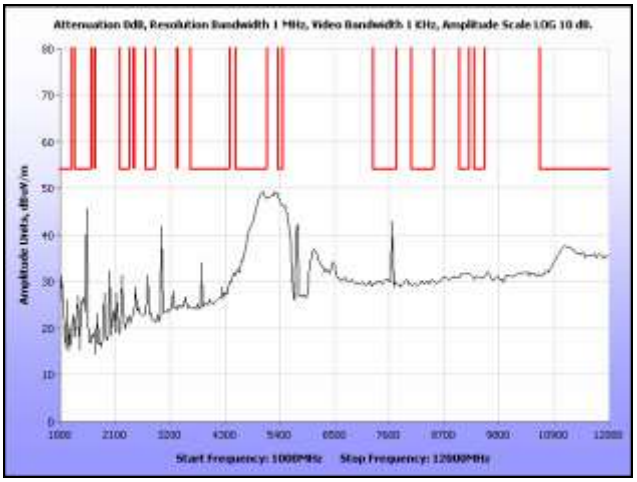


Plot 406. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 15 dBi Sector

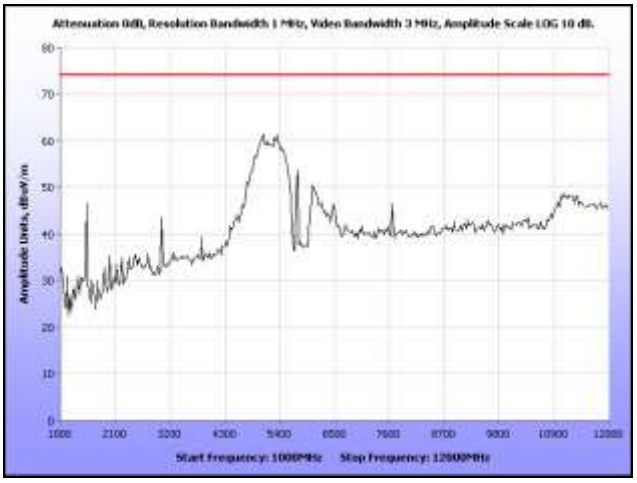


Plot 407. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 15 dBi Sector

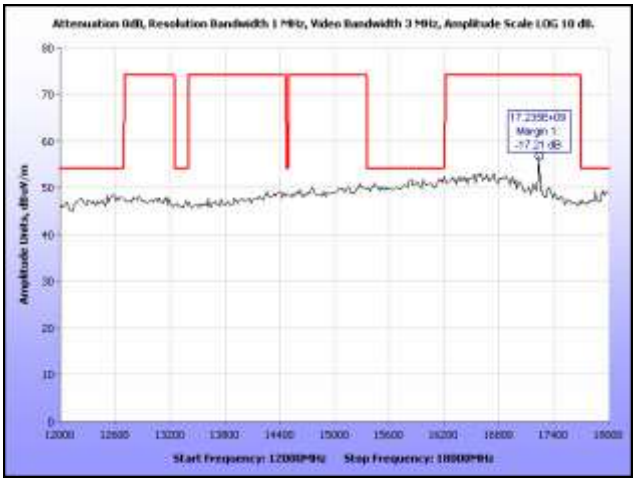
Restricted Band, 802.11a, 16 dBi Panel



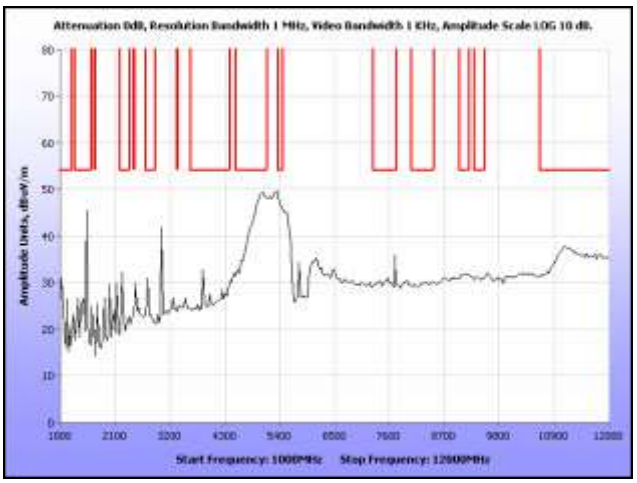
Plot 408. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11a, 16 dBi Panel



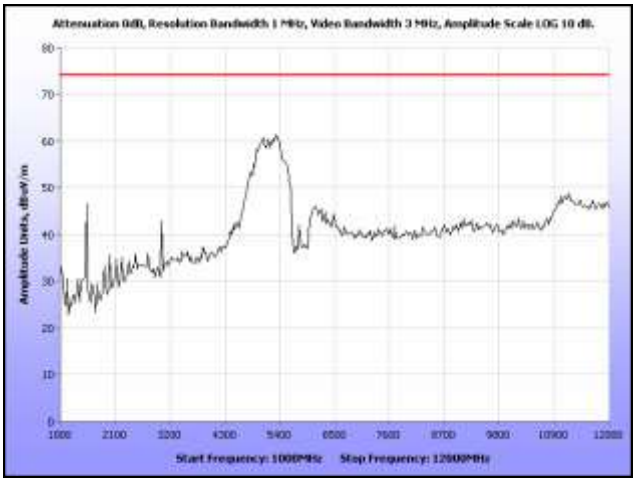
Plot 409. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11a, 16 dBi Panel



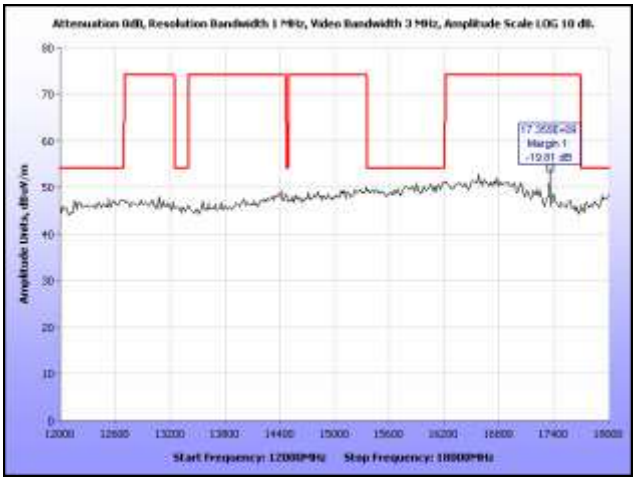
Plot 410. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11a, 16 dBi Panel



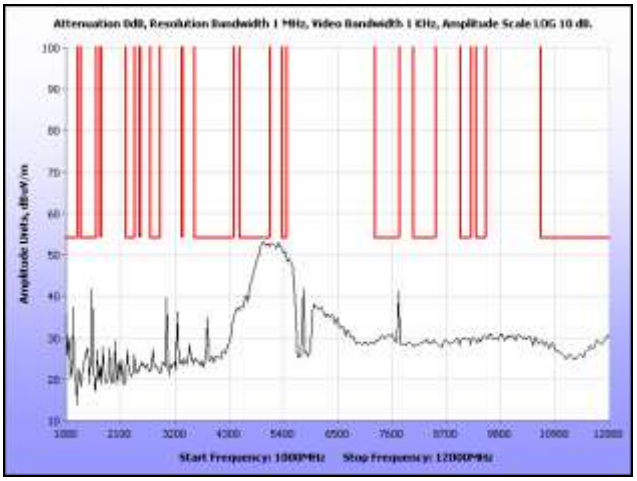
Plot 411. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11a, 16 dBi Panel



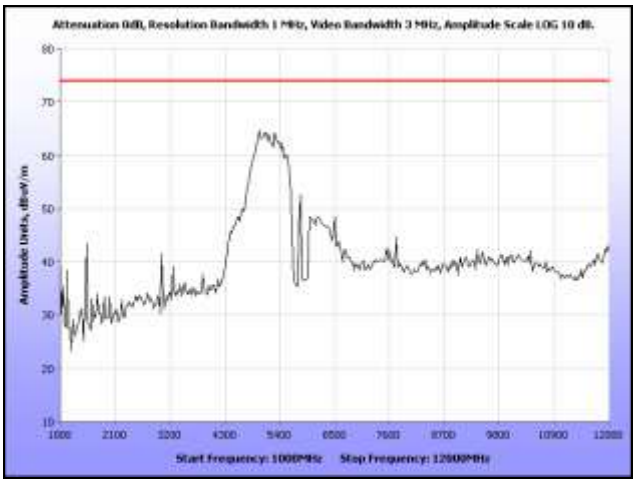
Plot 412. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11a, 16 dBi Panel



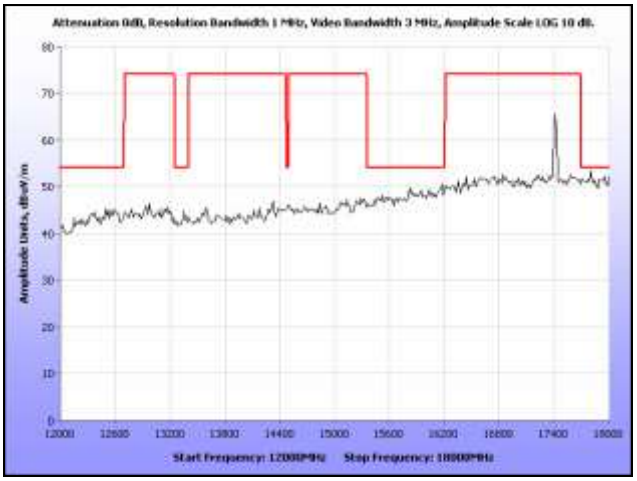
Plot 413. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11a, 16 dBi Panel



Plot 414. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11a, 16 dBi Panel

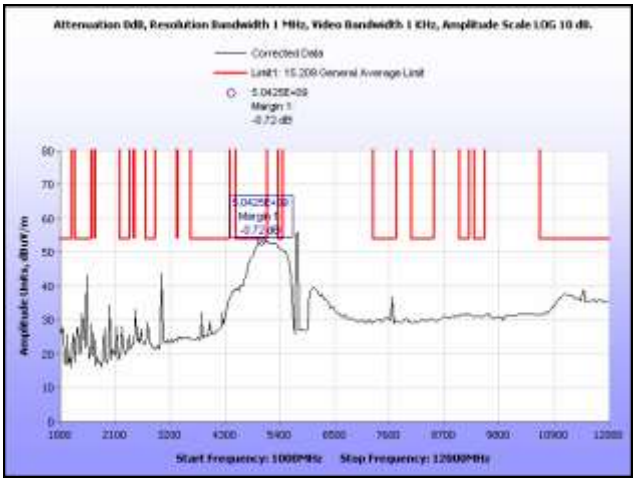


Plot 415. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11a, 16 dBi Panel

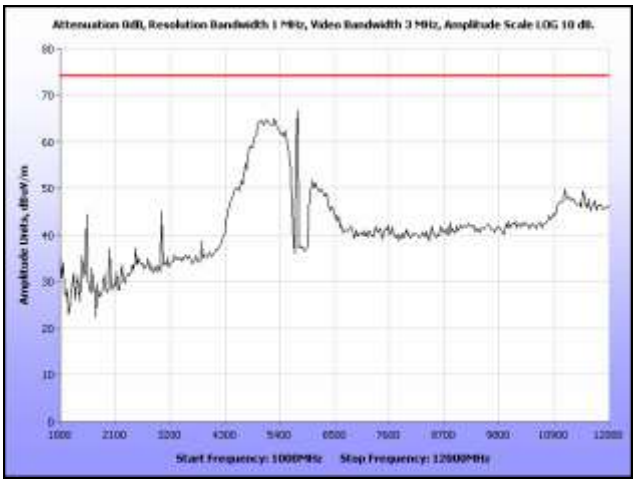


Plot 416. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11a, 16 dBi Panel

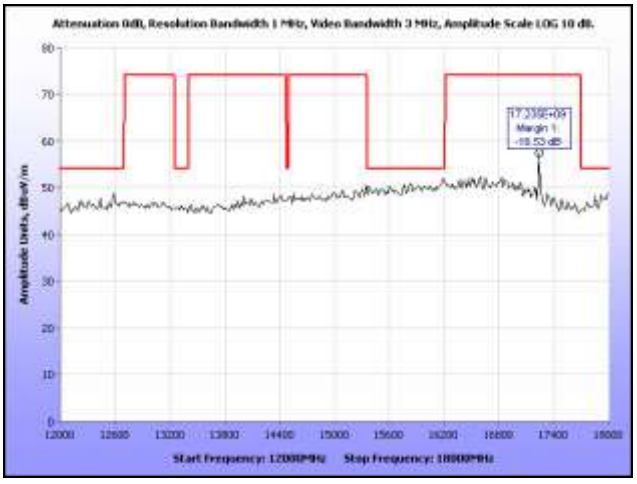
Restricted Band, 802.11n 5 MHz, 16 dBi Panel



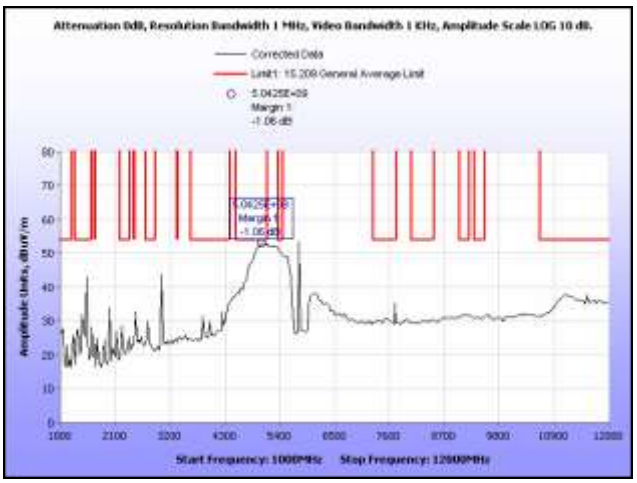
Plot 417. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 16 dBi Panel



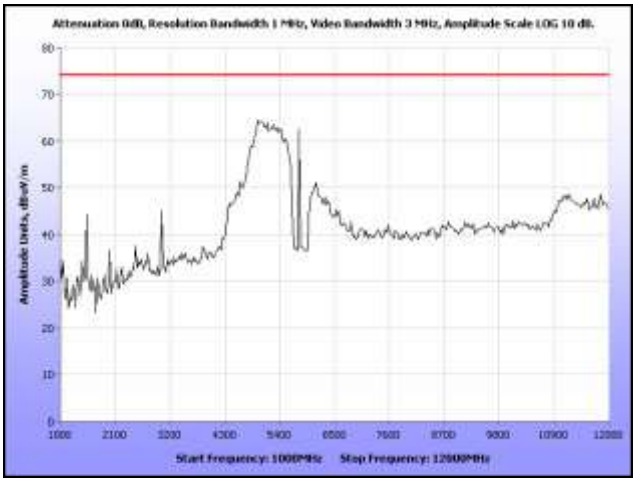
Plot 418. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 16 dBi Panel



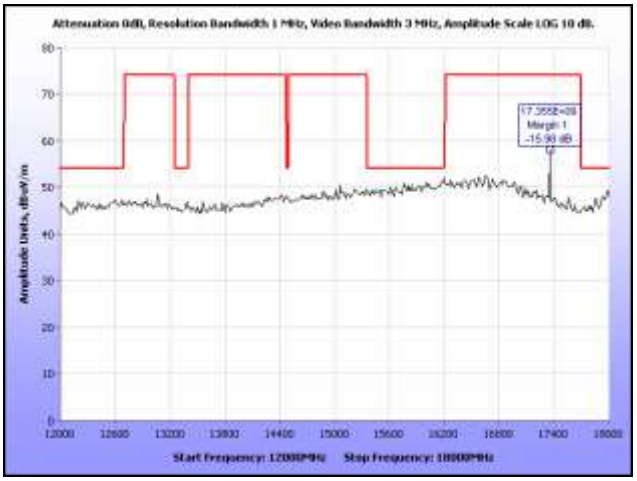
Plot 419. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 16 dBi Panel



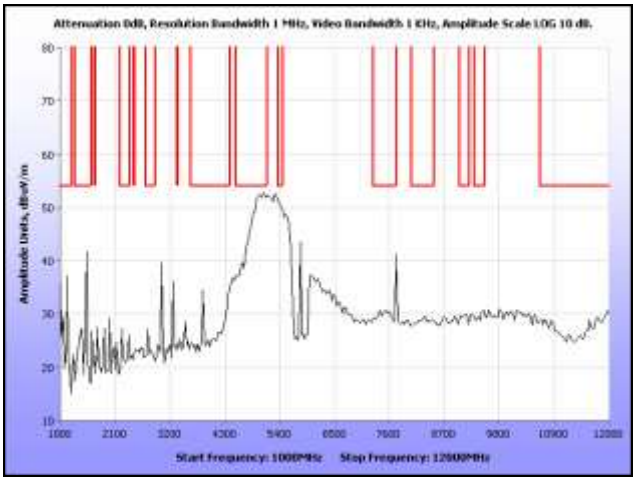
Plot 420. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 16 dBi Panel



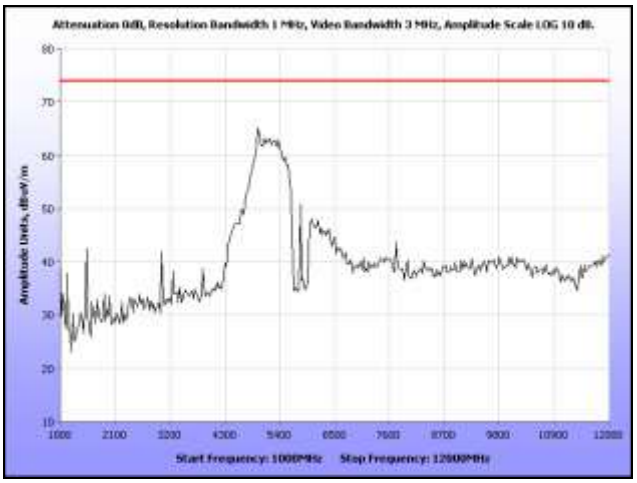
Plot 421. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 16 dBi Panel



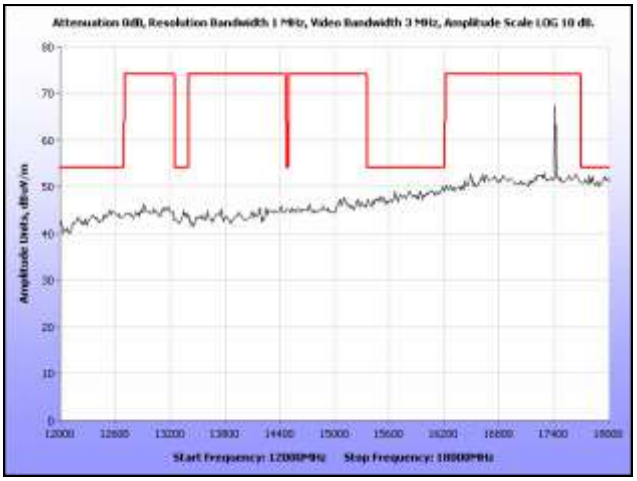
Plot 422. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 16 dBi Panel



Plot 423. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 5 MHz, 16 dBi Panel

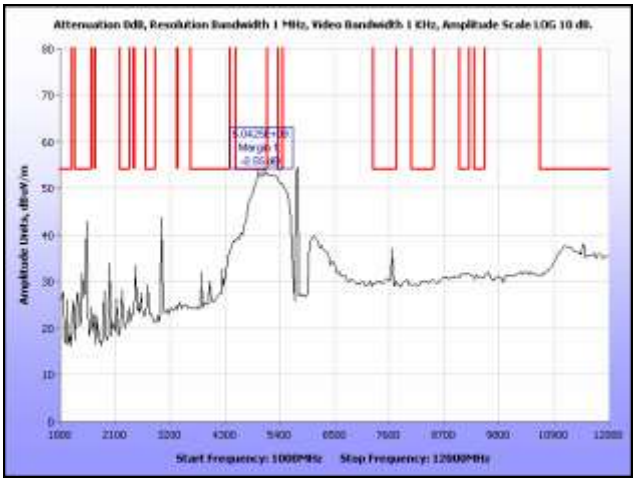


Plot 424. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 5 MHz, 16 dBi Panel

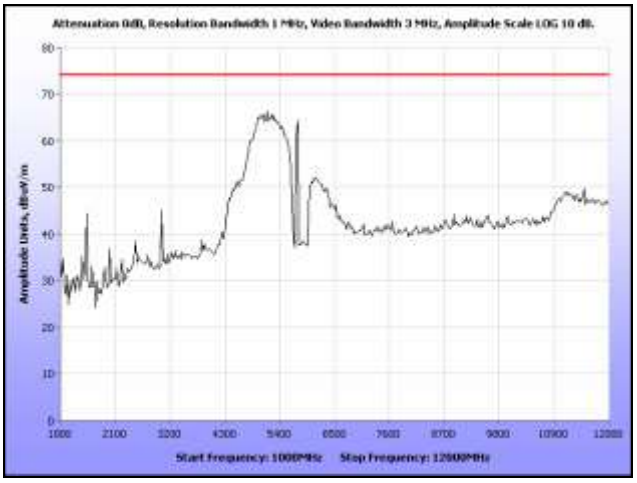


Plot 425. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 5 MHz, 16 dBi Panel

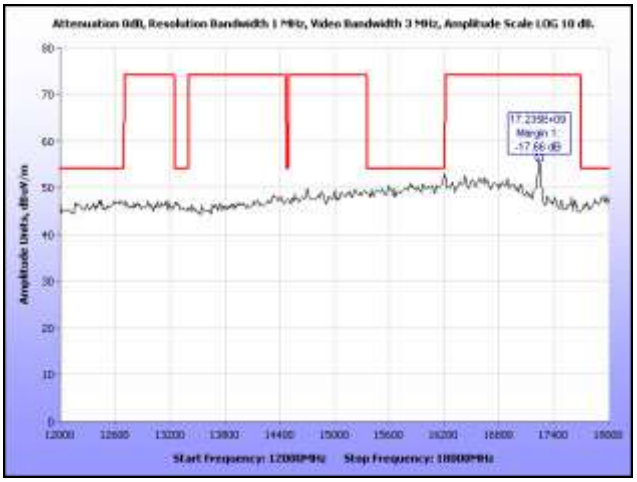
Restricted Band, 802.11n 10 MHz, 16 dBi Panel



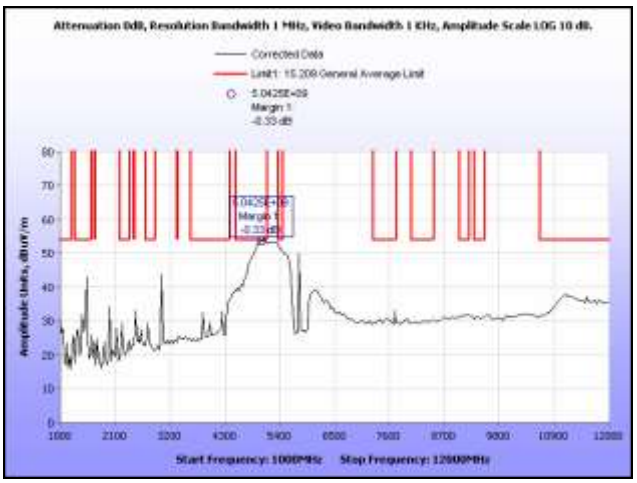
Plot 426. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 16 dBi Panel



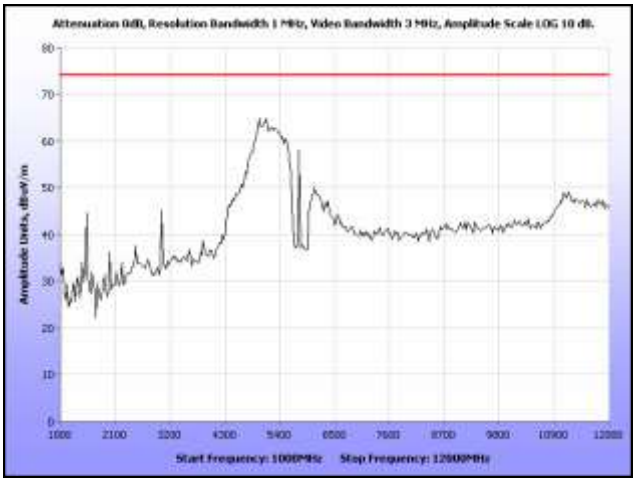
Plot 427. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 16 dBi Panel



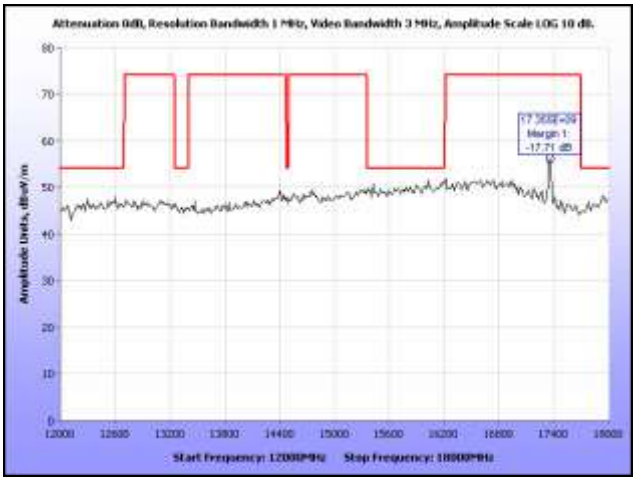
Plot 428. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 16 dBi Panel



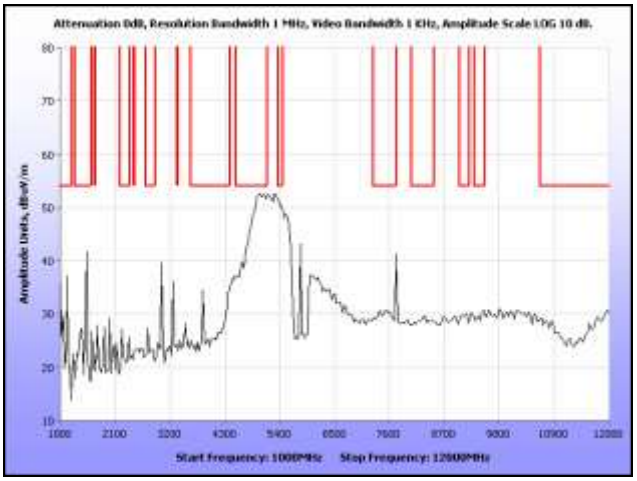
Plot 429. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 16 dBi Panel



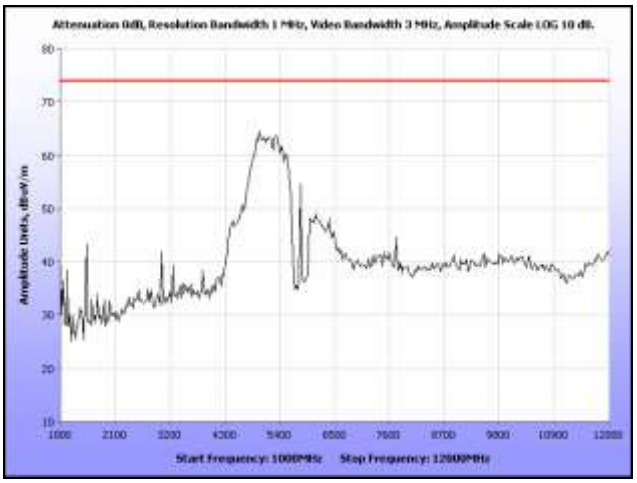
Plot 430. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 16 dBi Panel



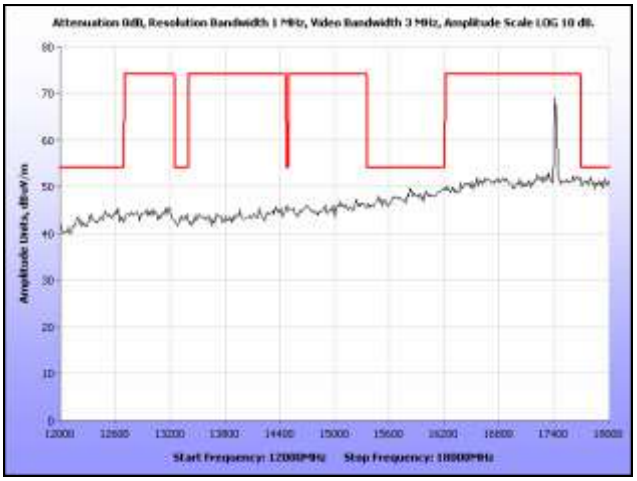
Plot 431. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 16 dBi Panel



Plot 432. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 10 MHz, 16 dBi Panel

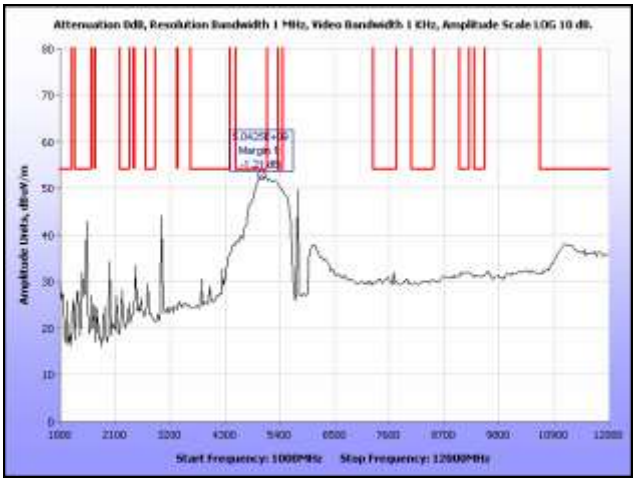


Plot 433. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 10 MHz, 16 dBi Panel

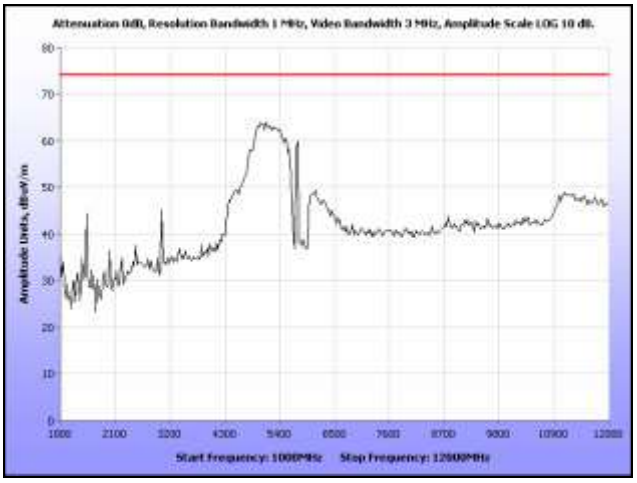


Plot 434. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 10 MHz, 16 dBi Panel

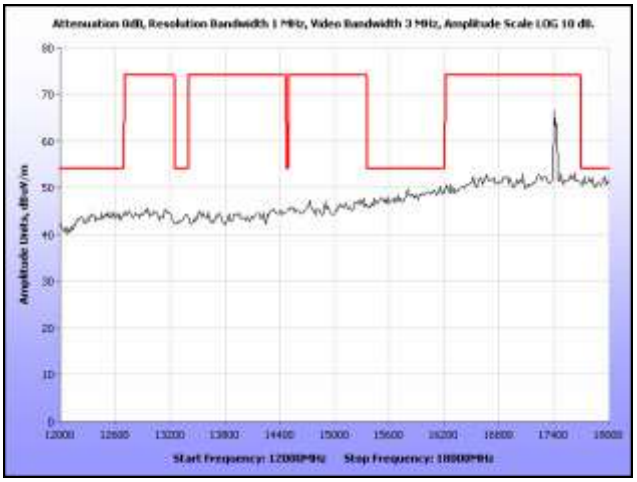
Restricted Band, 802.11n 20 MHz, 16 dBi Panel



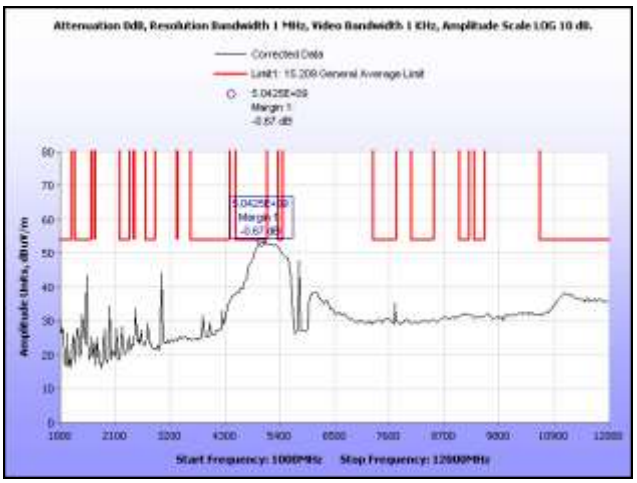
Plot 435. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 16 dBi Panel



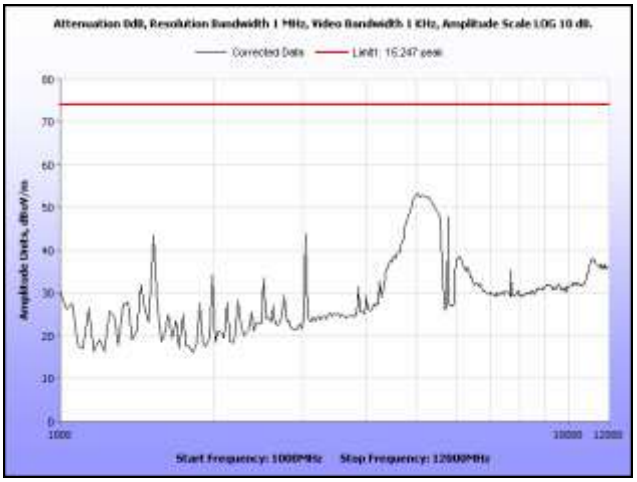
Plot 436. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 16 dBi Panel



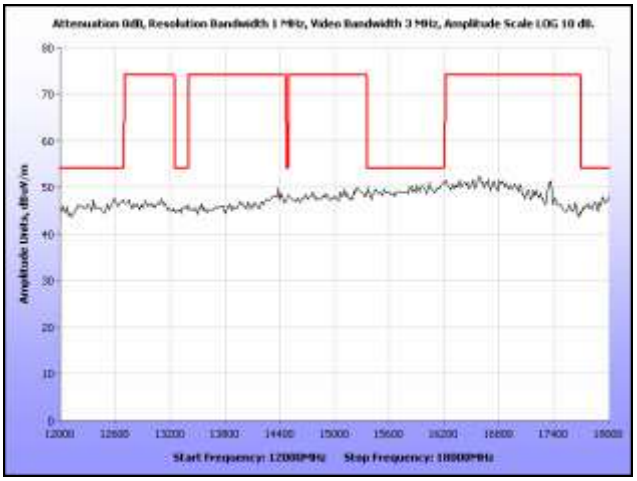
Plot 437. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 16 dBi Panel



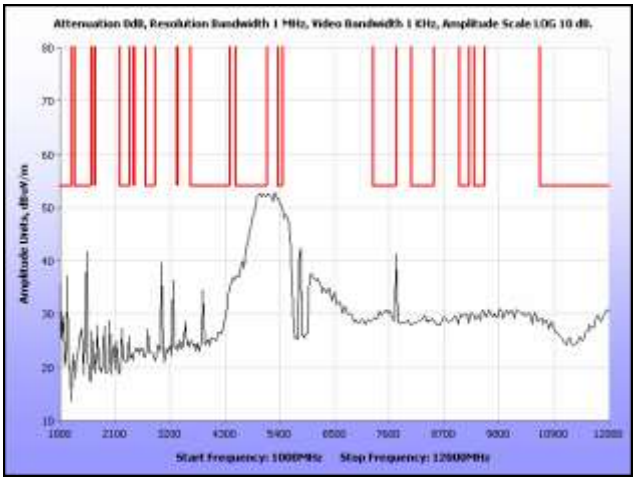
Plot 438. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 16 dBi Panel



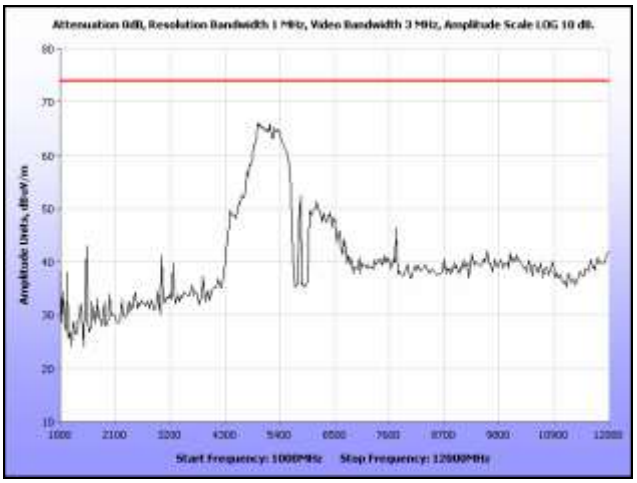
Plot 439. Restricted Band, Mid Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 16 dBi Panel



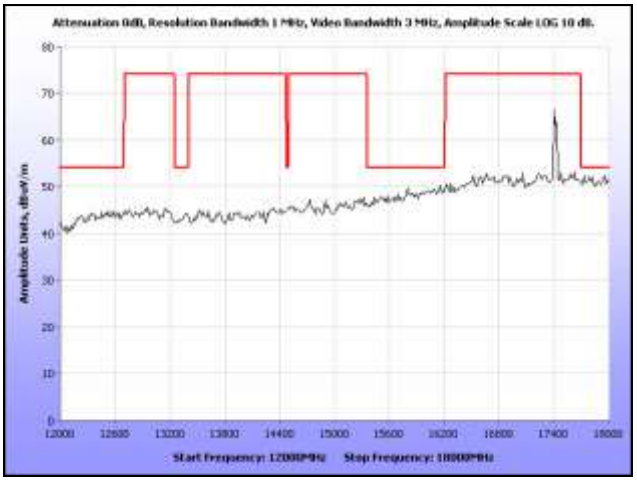
Plot 440. Restricted Band, Mid Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 16 dBi Panel



Plot 441. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 20 MHz, 16 dBi Panel

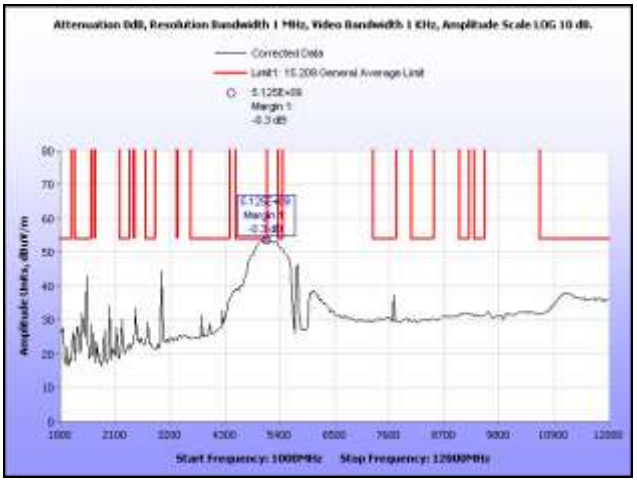


Plot 442. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 20 MHz, 16 dBi Panel

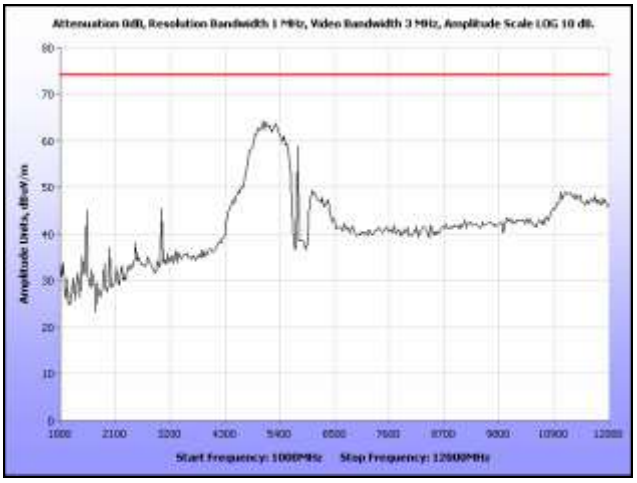


Plot 443. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 20 MHz, 16 dBi Panel

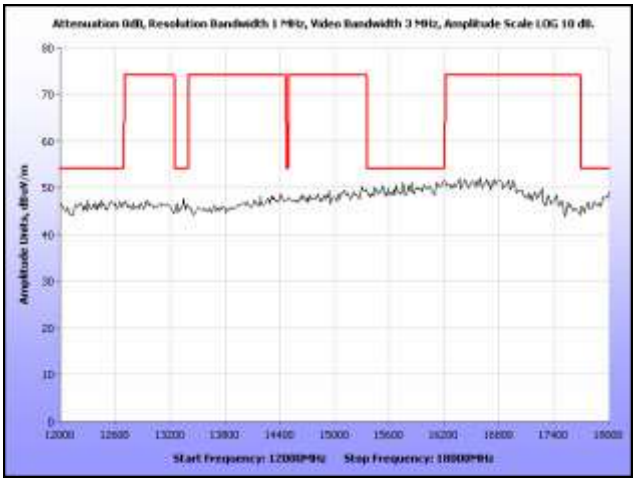
Restricted Band, 802.11n 40 MHz, 16 dBi Panel



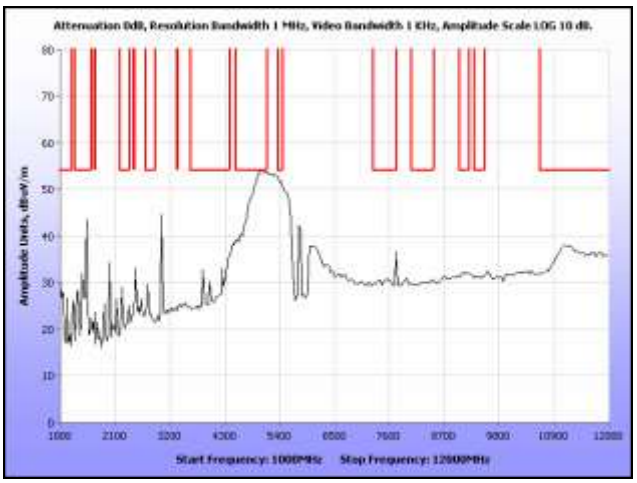
Plot 444. Restricted Band, Low Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 16 dBi Panel



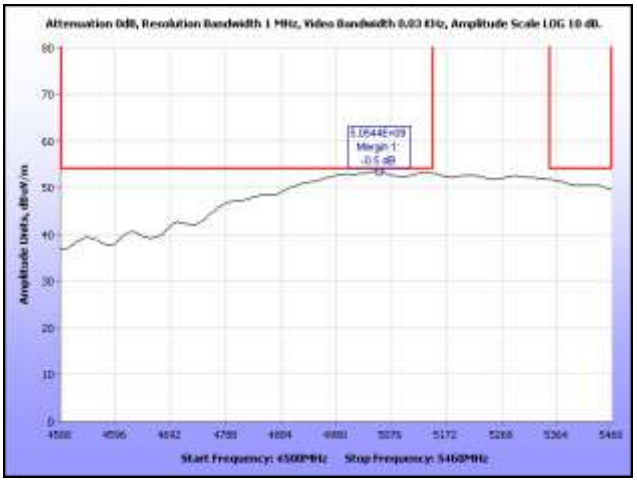
Plot 445. Restricted Band, Low Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 16 dBi Panel



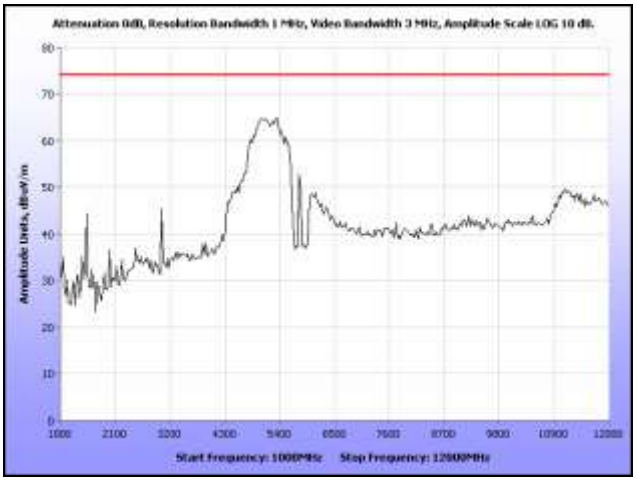
Plot 446. Restricted Band, Low Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 16 dBi Panel



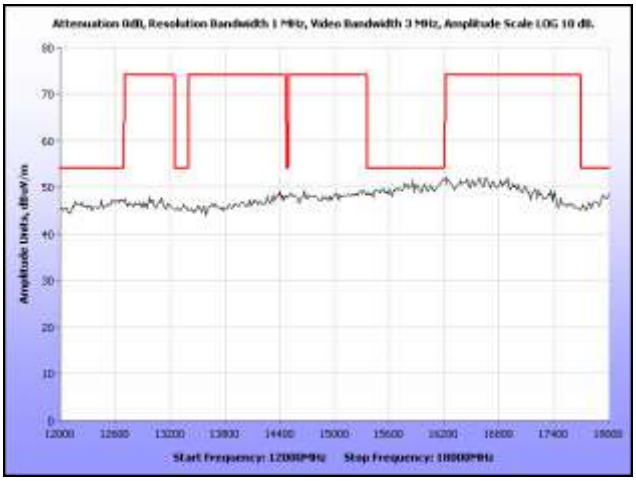
Plot 447. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 16 dBi Panel



Plot 448. Restricted Band, High Channel, 1 GHz – 12 GHz, Average, 802.11n 40 MHz, 16 dBi Panel, Zoomed In



Plot 449. Restricted Band, High Channel, 1 GHz – 12 GHz, Peak, 802.11n 40 MHz, 16 dBi Panel



Plot 450. Restricted Band, High Channel, 12 GHz – 18 GHz, 802.11n 40 MHz, 16 dBi Panel

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.407(f) RF Exposure

RF Exposure Requirements: **§1.1307(b)(1) and §1.1307(b)(2):** Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

RF Radiation Exposure Limit: **§1.1310:** As specified in this section, the Maximum Permissible Exposure (MPE) Limit shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in Sec. 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of Sec. 2.1093 of this chapter.

MPE Limit Calculation: EUT's operating frequencies @ 5745-5805 MHz; highest conducted power = 20.211 dBm (Sample) therefore, **Limit for Uncontrolled exposure: 1 mW/cm^2 or 10 W/m^2**

Equation from page 18 of OET 65, Edition 97-01

EUT with 5.8GHz 9 dBi Omni Antenna

$S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

where, S = Power Density (1 mW/cm^2)
P = Power Input to antenna (104.98 mW)
G = Antenna Gain (7.94 numeric)
R = Minimum Distance between User and Antenna (20 cm)

$S = (104.98 * 7.94)/(4 * 3.14 * 20^2) = 833.54/5024 = 0.166$ mW/cm^2

Since S < 1 mW/cm^2, the minimum distance (R) is 20cm

EUT with 5.8GHz 15 dBi Sector Antenna

$S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

where, S = Power Density (1 mW/cm^2)
P = Power Input to antenna (104.98 mW)
G = Antenna Gain (31.62 numeric)
R = Minimum Distance between User and Antenna (20 cm)

$S = (104.98 * 31.62)/(4 * 3.14 * 20^2) = 3319.47/5024 = 0.661$ mW/cm^2

Since S < 1 mW/cm^2, the minimum distance (R) is 20cm

EUT with 5.8GHz 16 dBi Panel Antenna

$S = G / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

where, S = Power Density (1 mW/cm^2)
P = Power Input to antenna (104.98 mW)
G = Antenna Gain (39.81 numeric)
R = Minimum Distance between User and Antenna (20 cm)

$S = (104.98 * 39.81)/(4 * 3.14 * 20^2) = 4179.25/5024 = 0.832$ mW/cm^2
Since S < 1 mW/cm^2, the minimum distance (R) is 20cm

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.407(g) Frequency Stability

Test Requirements: **§ 15.407(g):** Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Test Procedure: The EUT was connected directly to a spectrum analyzer through a attenuator. The resolution band width of the spectrum analyzer was set to 10 KHz.

Test Results: The EUT was compliant with the requirements of **§15.407(g)**.

Test Engineer(s): Lionel Gabrillo

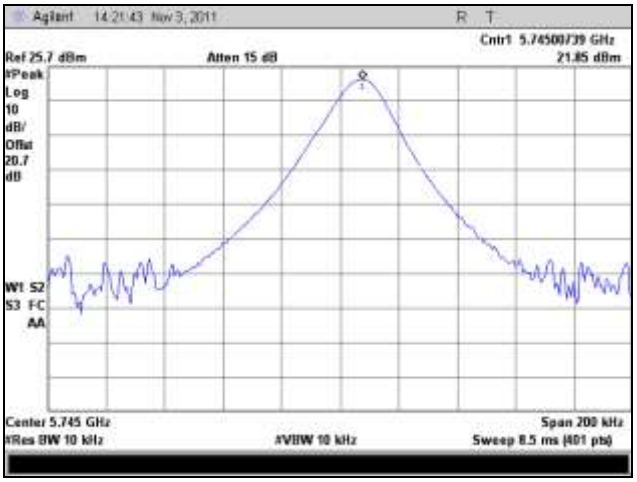
Test Date(s): 11/07/11

5745 MHz						
	Voltage (AC)	**Temperature (C)**	**Frequency (MHz)**	**PPM**	**Delta (MHz)**	**Delta (kHz)**
Reference	120.0	-40	5745.00739	9.330	-0.07205	72.05
	120.0	-30	5745.018	11.177	-0.08266	82.66
	120.0	-20	5744.98312	5.105	-0.04778	47.78
	120.0	-10	5744.99526	7.219	-0.05992	59.92
	120.0	0	5744.95379	0.000	-0.01845	18.45
5744.953790	120.0	10	5744.92795	4.498	0.00739	7.39
	120.0	20	5744.93534	3.212	0.00000	0
	120.0	30	5744.93472	3.319	0.00062	0.62
	120.0	40	5744.93118	3.936	0.00416	4.16
	120.0	50	5744.95034	0.601	-0.01500	15
	120.0	60	5745.00386	8.715	-0.06852	68.52
	102.0	20	5744.932757	3.661	0.00258	2.583
	138.0	20	5744.933058	3.609	0.00228	2.282
5755 MHz						
	Voltage (AC)	**Temperature (C)**	**Frequency (MHz)**	**PPM**	**Delta (MHz)**	**Delta (kHz)**
Reference	120.0	-40	5755.00597	9.242	-0.07028	70.28
	120.0	-30	5755.01524	10.853	-0.07955	79.55
	120.0	-20	5754.98366	5.366	-0.04797	47.97
	120.0	-10	5754.99286	6.964	-0.05717	57.17
	120.0	0	5754.95278	0.000	-0.01709	17.09
5754.952780	120.0	10	5754.92925	4.089	0.00644	6.44
	120.0	20	5754.93569	2.970	0.00000	0
	120.0	30	5754.93268	3.493	0.00301	3.01
	120.0	40	5754.93144	3.708	0.00425	4.25
	120.0	50	5754.94673	1.051	-0.01104	11.04
	120.0	60	5755.00819	9.628	-0.07250	72.5
	102.0	20	5754.933098	3.420	0.00259	2.592
	138.0	20	5754.932456	3.532	0.00323	3.234
5785 MHz						
	Voltage (AC)	**Temperature (C)**	**Frequency (MHz)**	**PPM**	**Delta (MHz)**	**Delta (kHz)**
Reference	120.0	-40	5785.00476	7.870	-0.06954	69.54
	120.0	-30	5785.01391	9.452	-0.07869	78.69
	120.0	-20	5784.97873	3.371	-0.04351	43.51
	120.0	-10	5784.99372	5.962	-0.05850	58.5
	120.0	0	5784.95923	0.000	-0.02401	24.01
5784.959230	120.0	10	5784.9305	4.966	0.00472	4.72
	120.0	20	5784.93522	4.150	0.00000	0
	120.0	30	5784.93072	4.928	0.00450	4.5
	120.0	40	5784.93228	4.659	0.00294	2.94
	120.0	50	5784.94517	2.430	-0.00995	9.95
	120.0	60	5785.01301	9.297	-0.07779	77.79
	102.0	20	5784.93165	4.768	0.00357	3.57
	138.0	20	5784.932162	4.679	0.00306	3.058

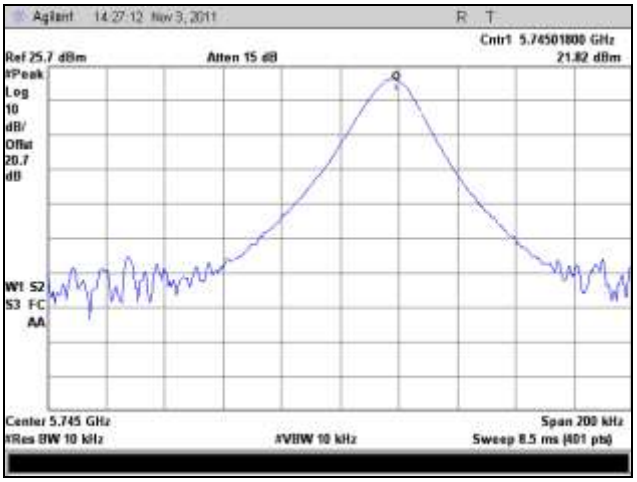
5795 MHz						
	Voltage (AC)	**Temperature (C)**	**Frequency (MHz)**	**PPM**	**Delta (MHz)**	**Delta (kHz)**
Reference	120.0	-40	5795.00387	1736.337	-0.06541	65.41
	120.0	-30	5795.01284	1737.888	-0.07438	74.38
	120.0	-20	5794.9683	1730.189	-0.02984	29.84
	120.0	-10	5794.9835	1732.816	-0.04504	45.04
	120.0	0	5794.96109	1728.942	-0.02263	22.63
5794.961090	120.0	10	5794.93102	1723.744	0.00744	7.44
	120.0	20	5794.93846	1725.030	0.00000	0
	120.0	30	5794.92907	1723.407	0.00939	9.39
	120.0	40	5794.93293	1724.074	0.00553	5.53
	120.0	50	5794.9399	1725.279	-0.00144	1.44
	120.0	60	5795.01852	1738.870	-0.08006	80.06
	102.0	20	5794.93221	1723.950	0.00625	6.25
	138.0	20	5794.932085	1723.928	0.00637	6.375
5805 MHz						
	Voltage (AC)	**Temperature (C)**	**Frequency (MHz)**	**PPM**	**Delta (MHz)**	**Delta (kHz)**
Reference	120.0	-40	5805.00308	3464.821	-0.06306	63.06
	120.0	-30	5805.01186	3466.339	-0.07184	71.84
	120.0	-20	5804.96524	3458.280	-0.02522	25.22
	120.0	-10	5804.97919	3460.692	-0.03917	39.17
	120.0	0	5804.97457	3459.893	-0.03455	34.55
5804.974570	120.0	10	5804.9313	3452.413	0.00872	8.72
	120.0	20	5804.94002	3453.921	0.00000	0
	120.0	30	5804.92716	3451.698	0.01286	12.86
	120.0	40	5804.93453	3452.972	0.00549	5.49
	120.0	50	5804.93998	3453.914	0.00004	0.04
	120.0	60	5805.02616	3468.811	-0.08614	86.14
	102.0	20	5804.932048	3452.543	0.00797	7.972
	138.0	20	5804.932457	3452.613	0.00756	7.563

Table 25. Frequency Stability, Test Results

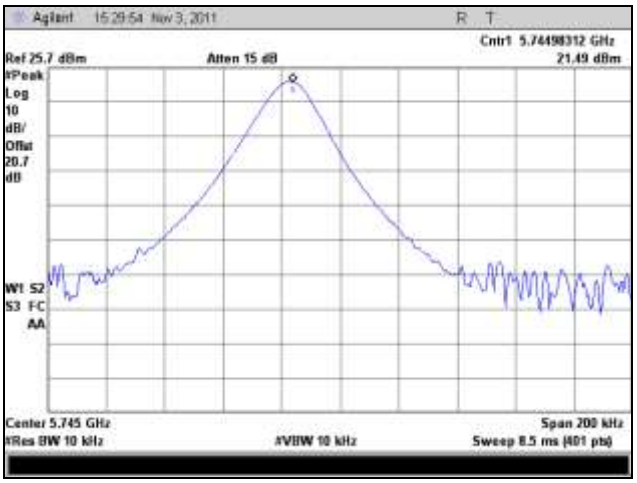
Frequency Stability, 5745 MHz



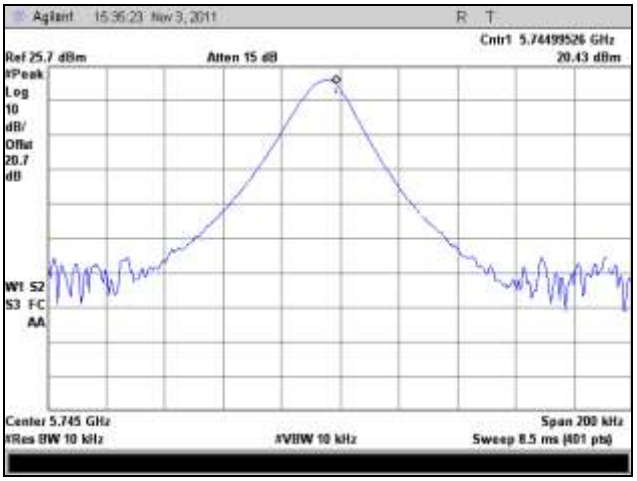
Plot 451. Frequency Stability, 5745 MHz, -40°C



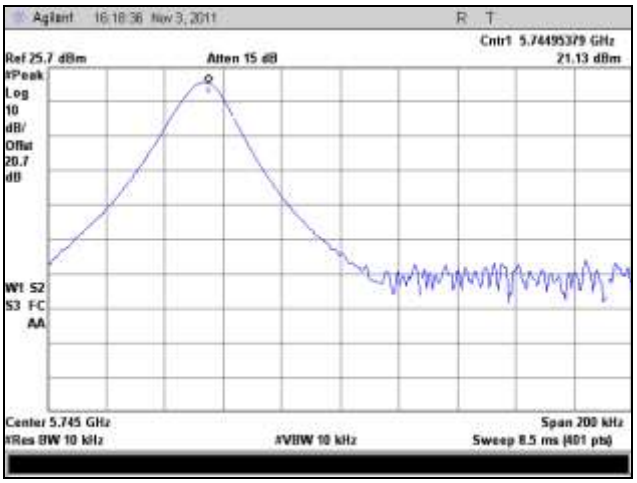
Plot 452. Frequency Stability, 5745 MHz, -30°C



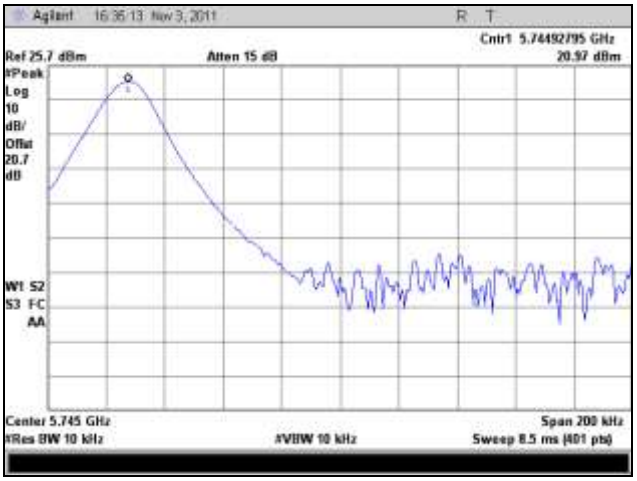
Plot 453. Frequency Stability, 5745 MHz, -20°C



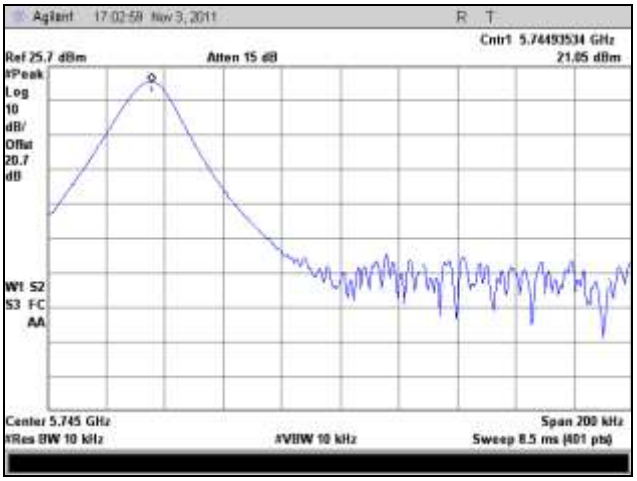
Plot 454. Frequency Stability, 5745 MHz, -10°C



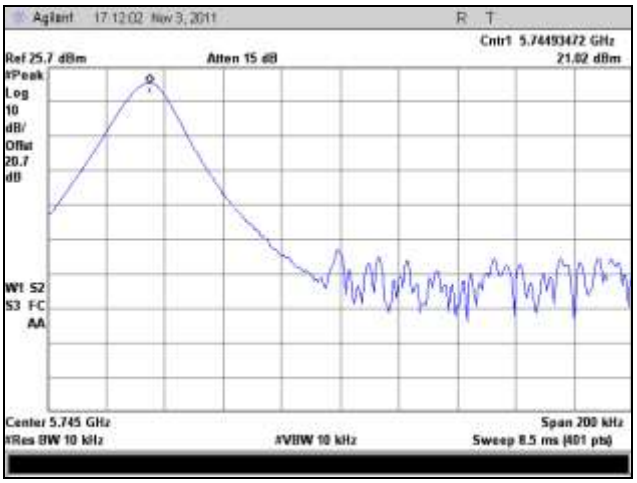
Plot 455. Frequency Stability, 5745 MHz, 0°C



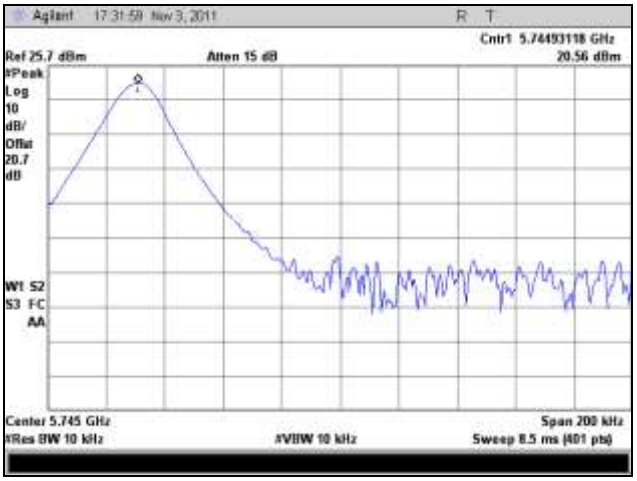
Plot 456. Frequency Stability, 5745 MHz, 10°C



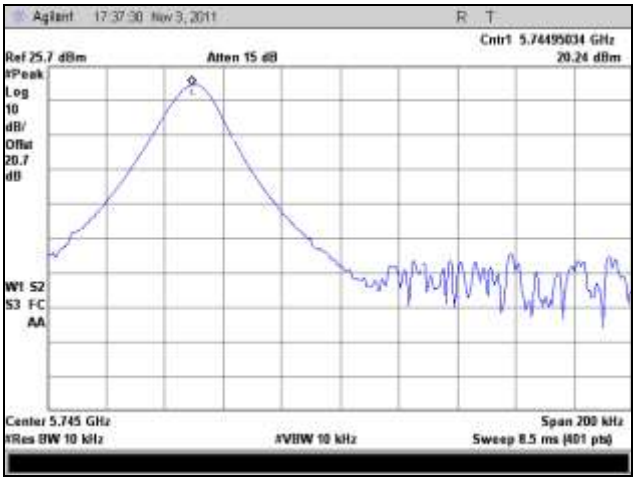
Plot 457. Frequency Stability, 5745 MHz, 20°C



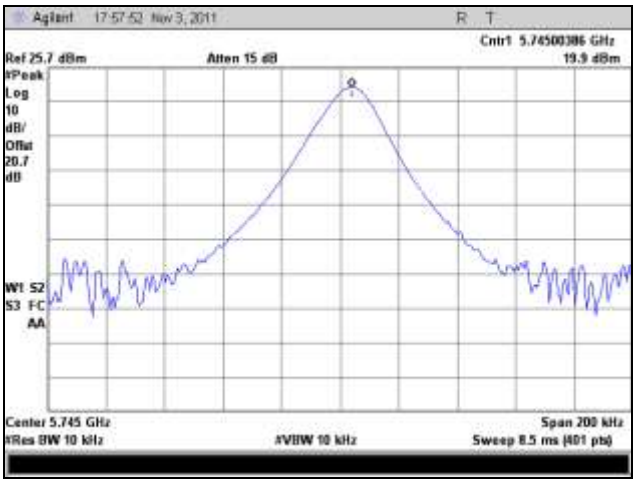
Plot 458. Frequency Stability, 5745 MHz, 30°C



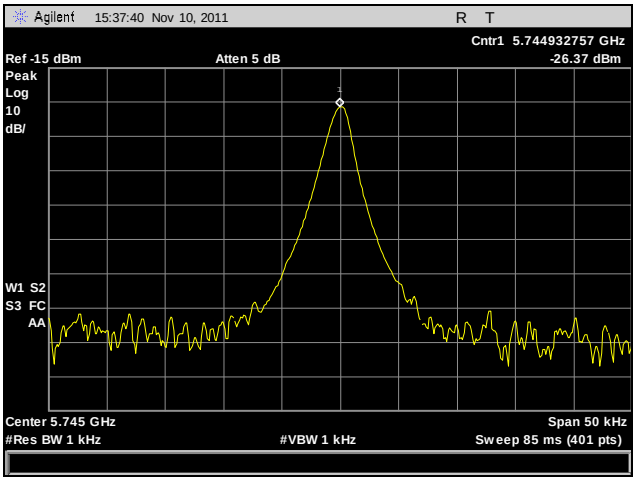
Plot 459. Frequency Stability, 5745 MHz, 40°C



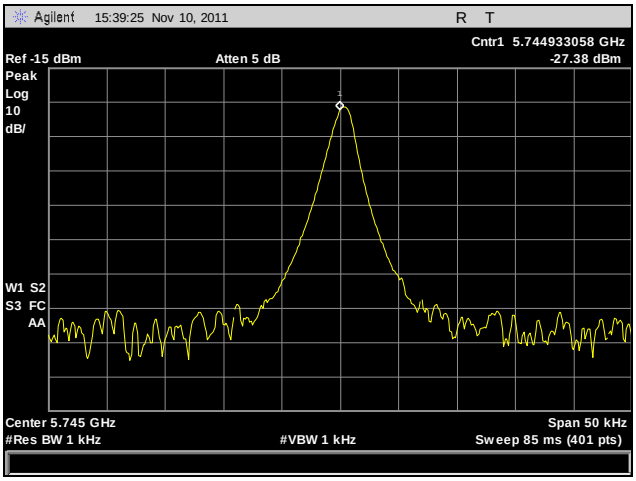
Plot 460. Frequency Stability, 5745 MHz, 50°C



Plot 461. Frequency Stability, 5745 MHz, 60°C

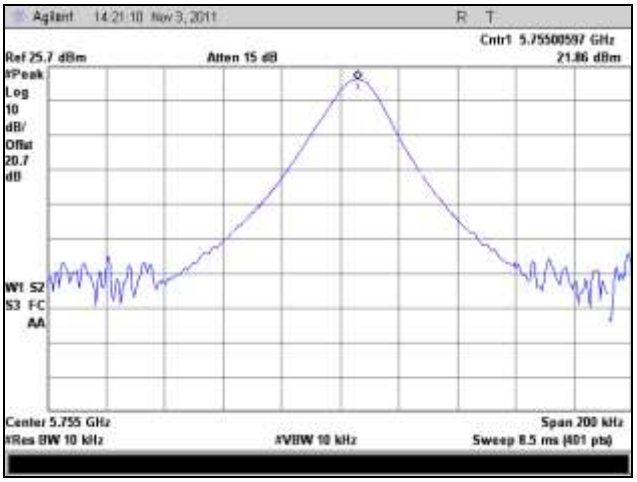


Plot 462. Frequency Stability, 5745 MHz, 85% Voltage

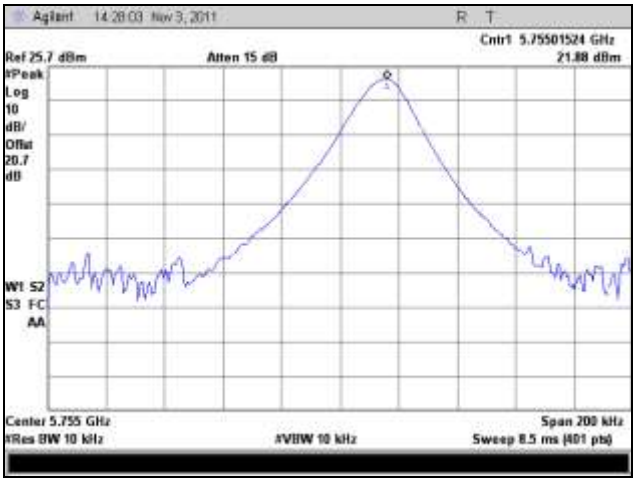


Plot 463. Frequency Stability, 5745 MHz, 115% Voltage

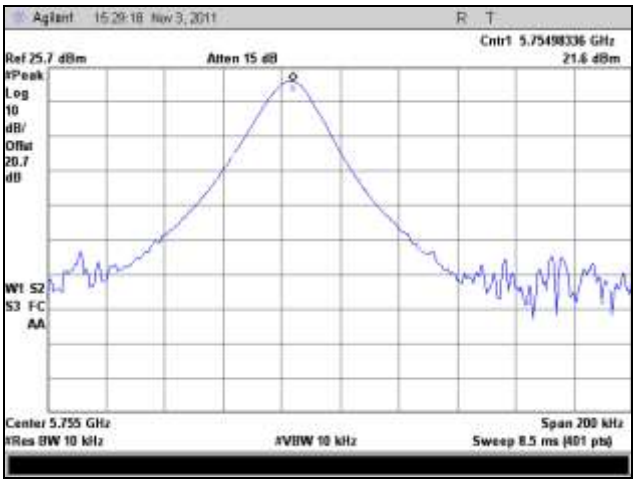
Frequency Stability, 5755 MHz



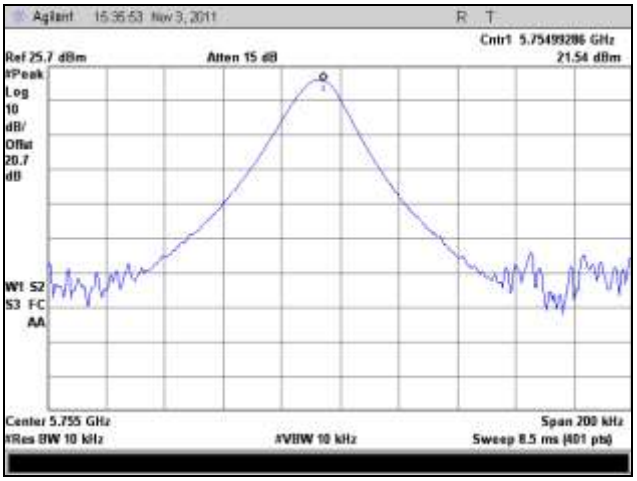
Plot 464. Frequency Stability, 5755 MHz, -40°C



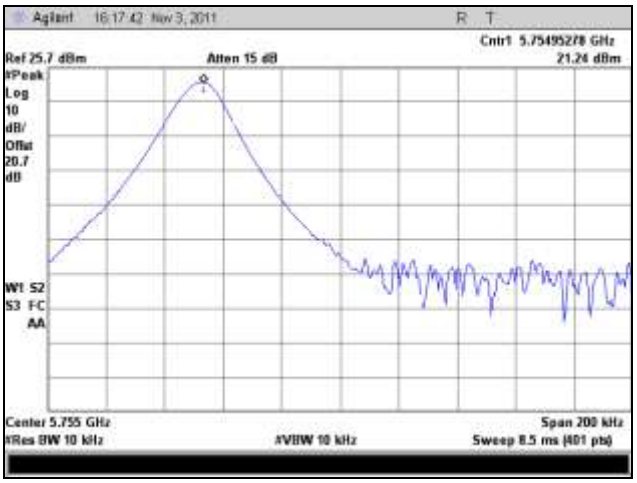
Plot 465. Frequency Stability, 5755 MHz, -30°C



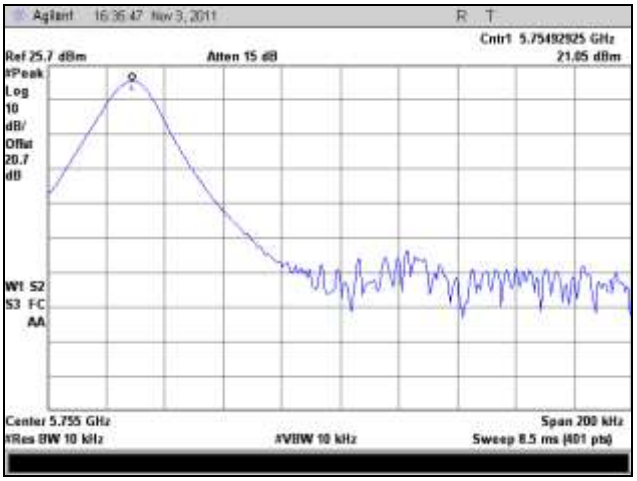
Plot 466. Frequency Stability, 5755 MHz, -20°C



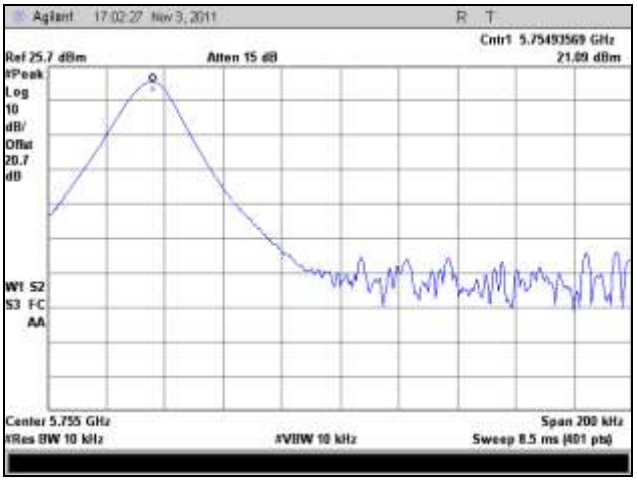
Plot 467. Frequency Stability, 5755 MHz, -10°C



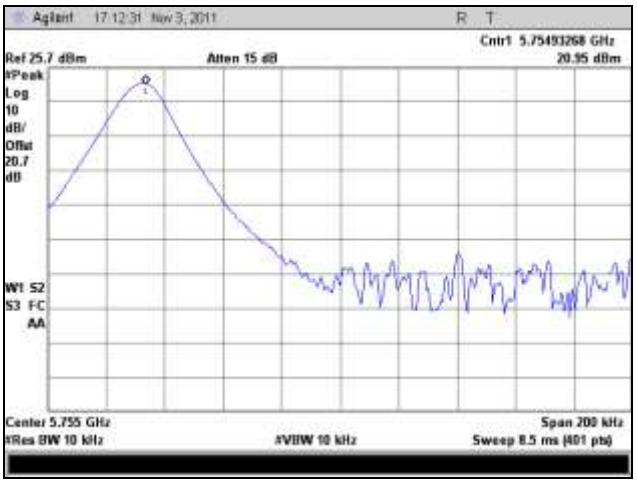
Plot 468. Frequency Stability, 5755 MHz, 0°C



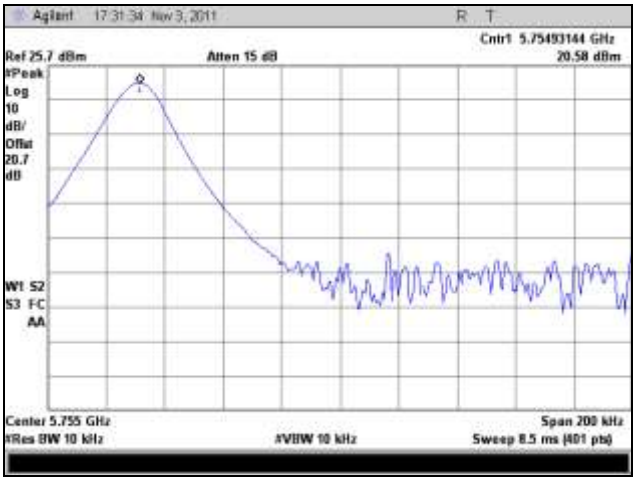
Plot 469. Frequency Stability, 5755 MHz, 10°C



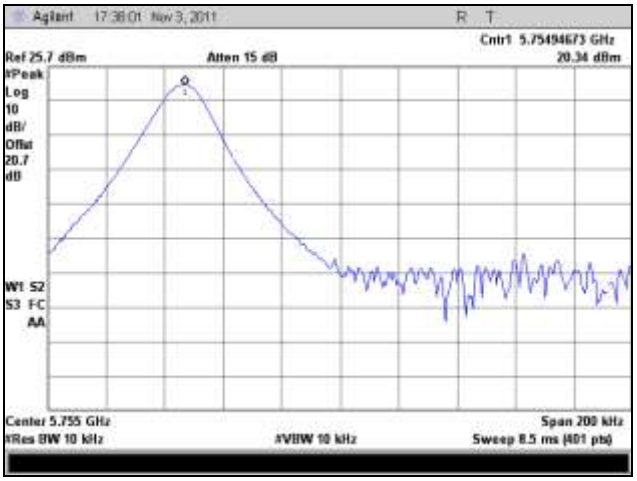
Plot 470. Frequency Stability, 5755 MHz, 20°C



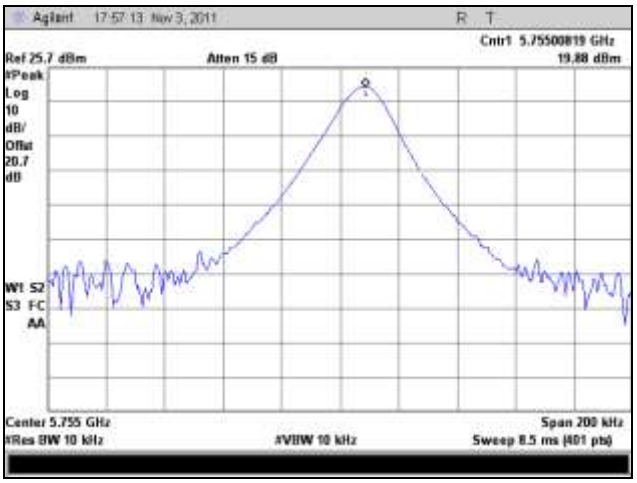
Plot 471. Frequency Stability, 5755 MHz, 30°C



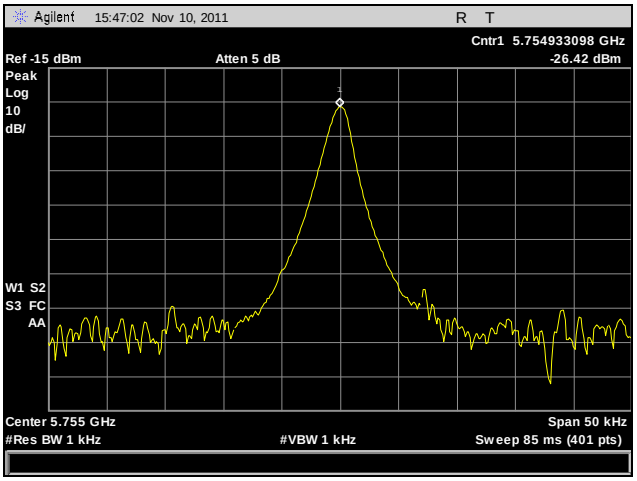
Plot 472. Frequency Stability, 5755 MHz, 40°C



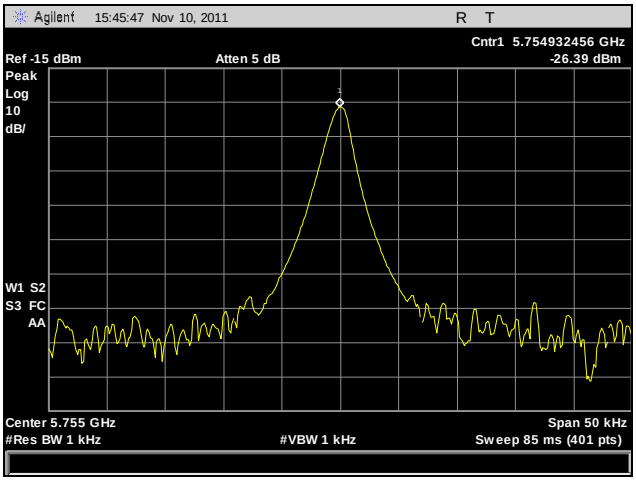
Plot 473. Frequency Stability, 5755 MHz, 50°C



Plot 474. Frequency Stability, 5755 MHz, 60°C

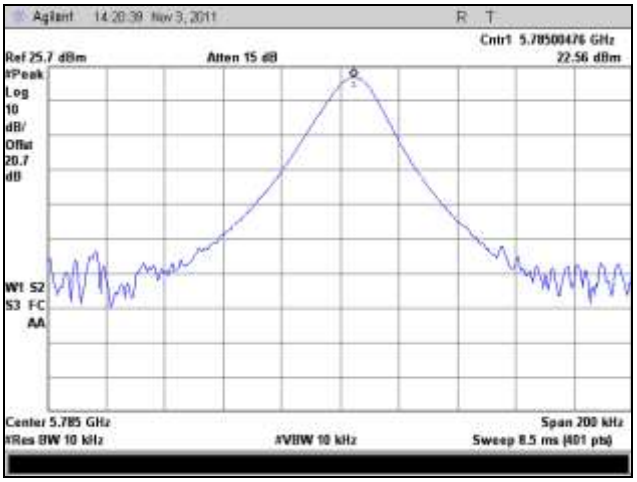


Plot 475. Frequency Stability, 5755 MHz, 85% Voltage

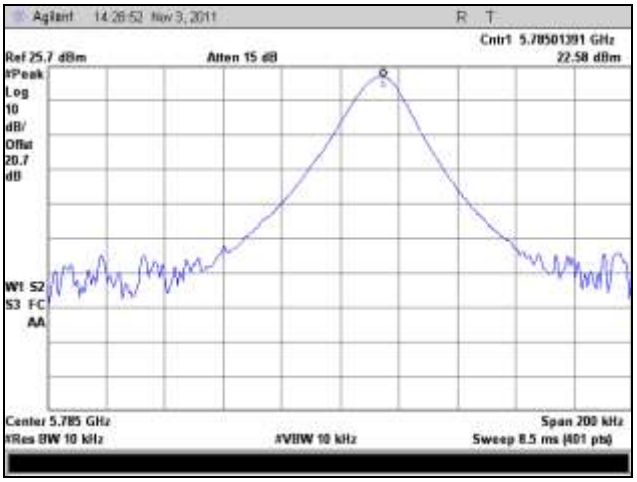


Plot 476. Frequency Stability, 5755 MHz, 115% Voltage

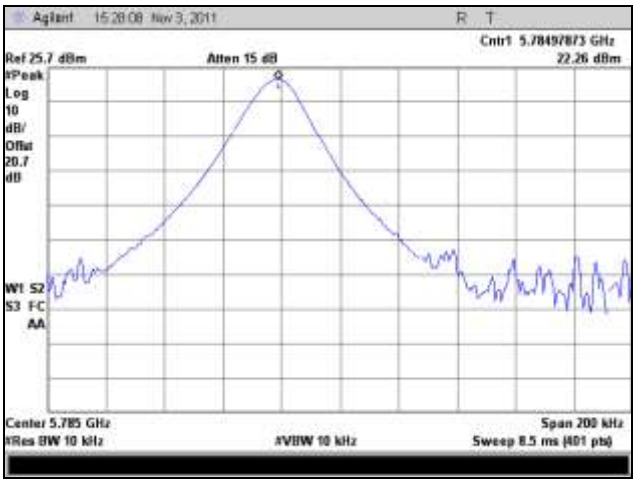
Frequency Stability, 5785 MHz



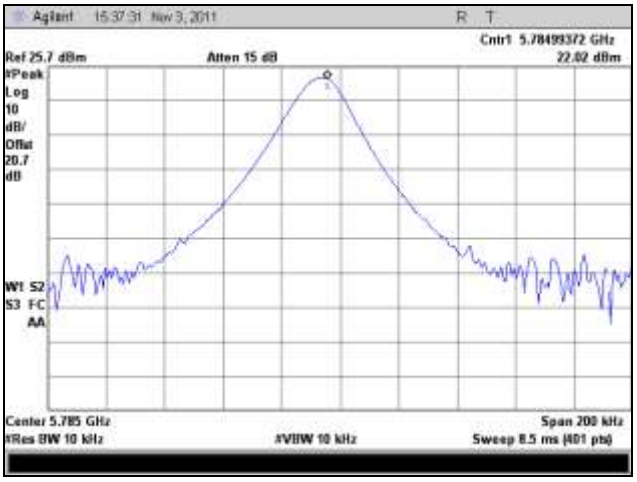
Plot 477. Frequency Stability, 5785 MHz, -40°C



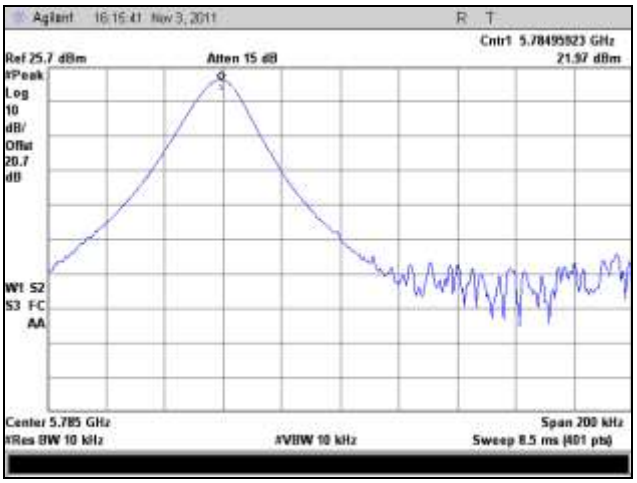
Plot 478. Frequency Stability, 5785 MHz, -30°C



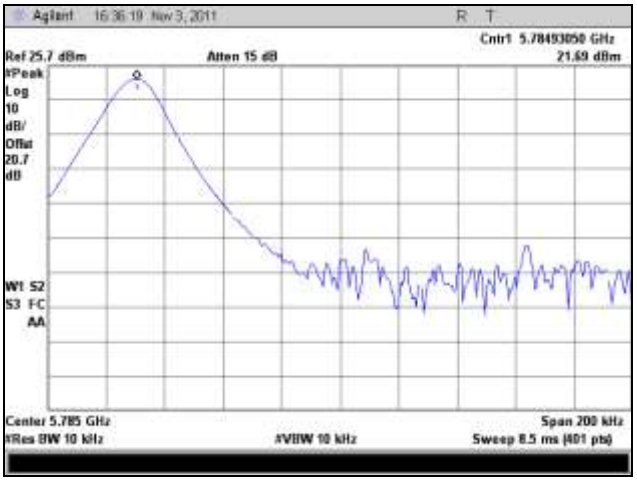
Plot 479. Frequency Stability, 5785 MHz, -20°C



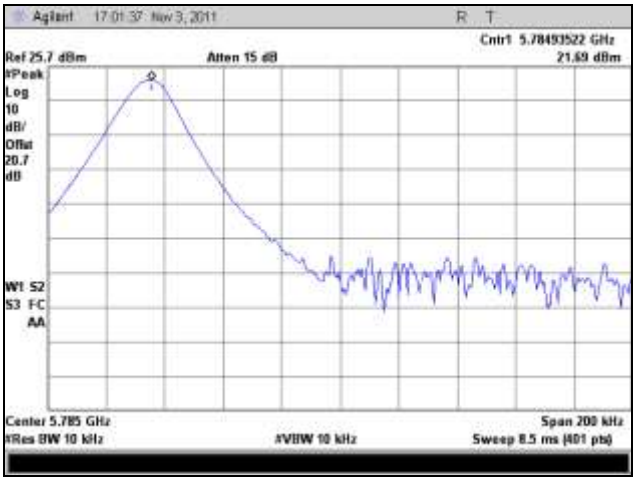
Plot 480. Frequency Stability, 5785 MHz, -10°C



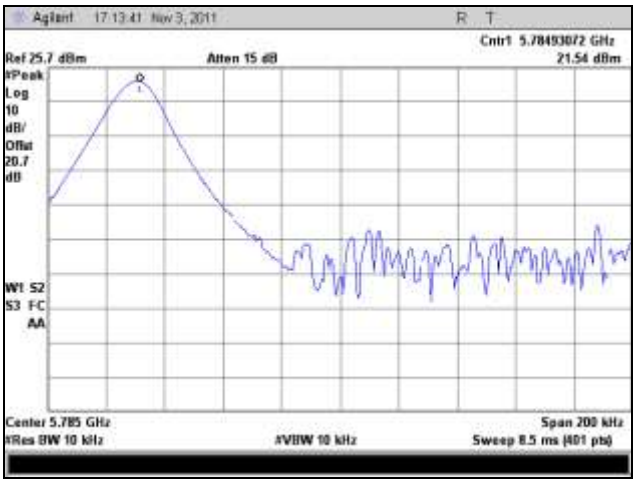
Plot 481. Frequency Stability, 5785 MHz, 0°C



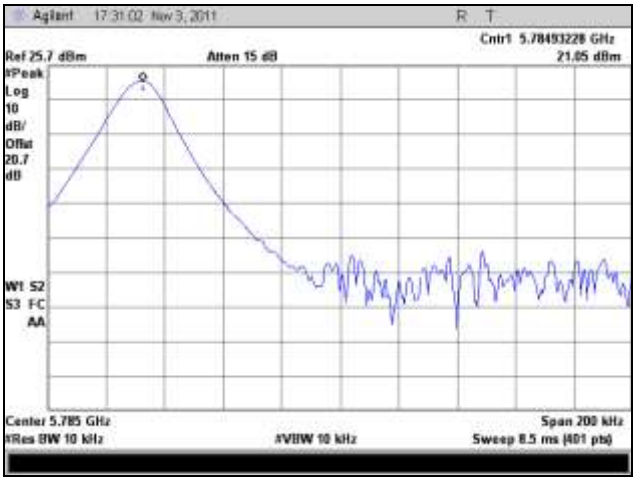
Plot 482. Frequency Stability, 5785 MHz, 10°C



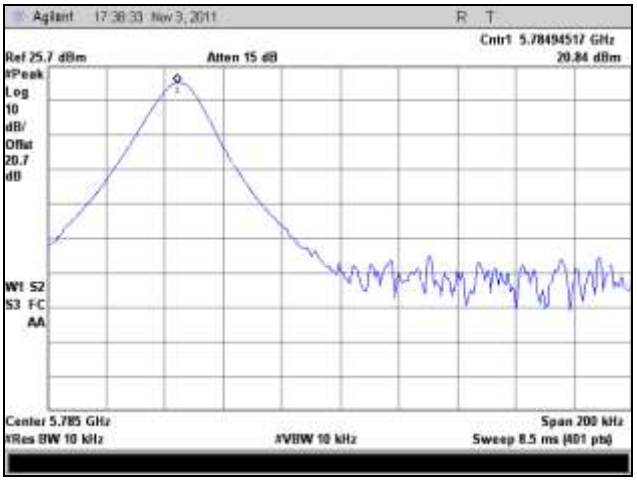
Plot 483. Frequency Stability, 5785 MHz, 20°C



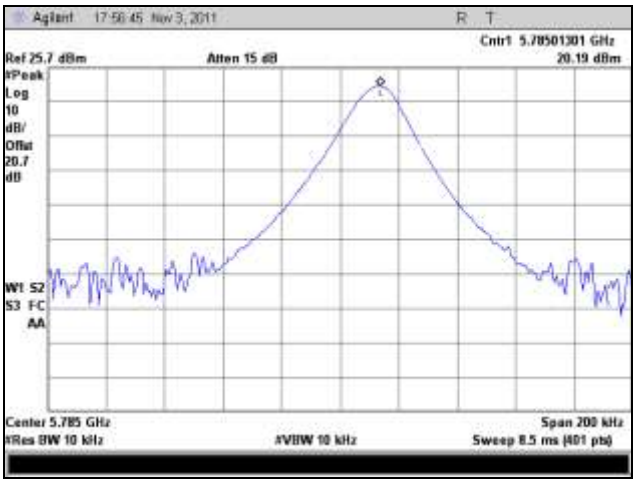
Plot 484. Frequency Stability, 5785 MHz, 30°C



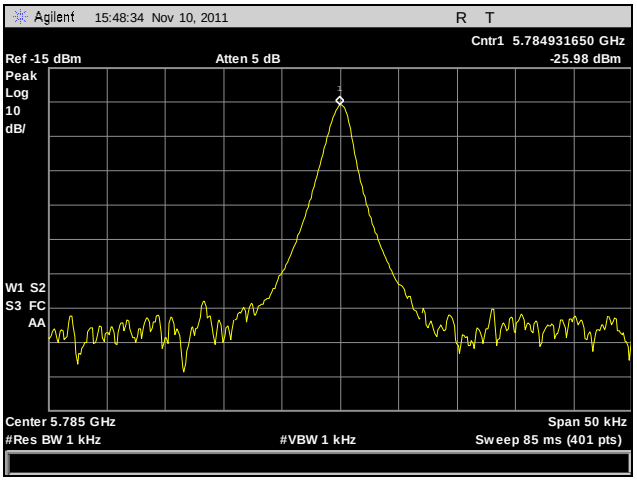
Plot 485. Frequency Stability, 5785 MHz, 40°C



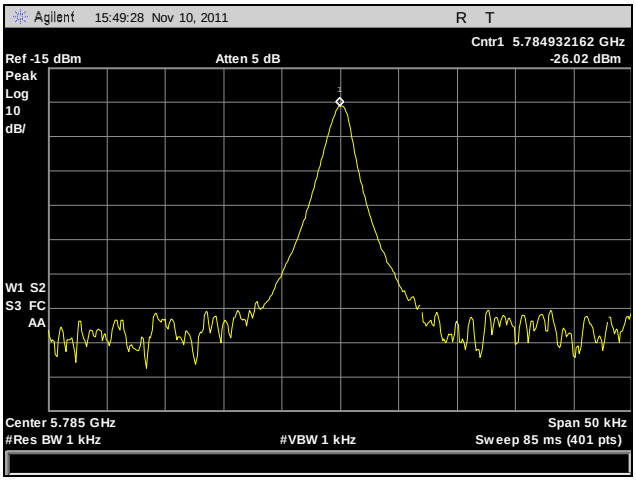
Plot 486. Frequency Stability, 5785 MHz, 50°C



Plot 487. Frequency Stability, 5785 MHz, 60°C

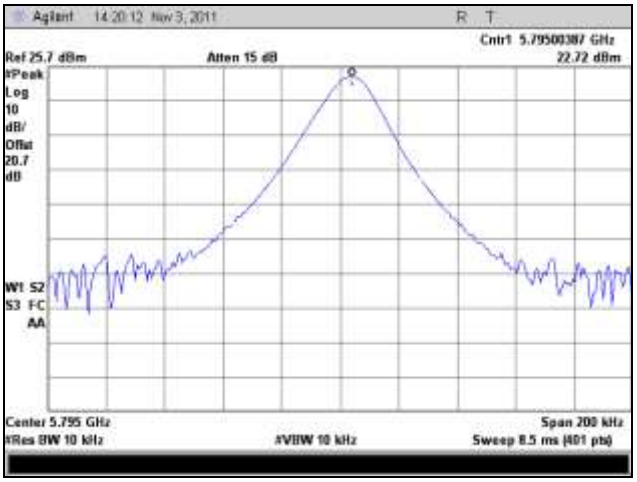


Plot 488. Frequency Stability, 5785 MHz, 85% Voltage

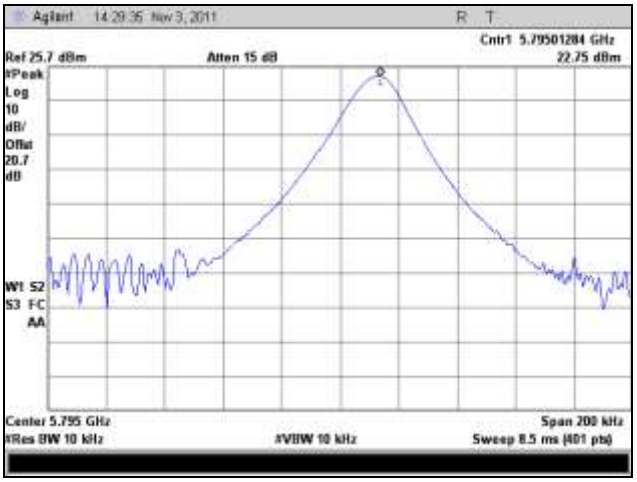


Plot 489. Frequency Stability, 5785 MHz, 115% Voltage

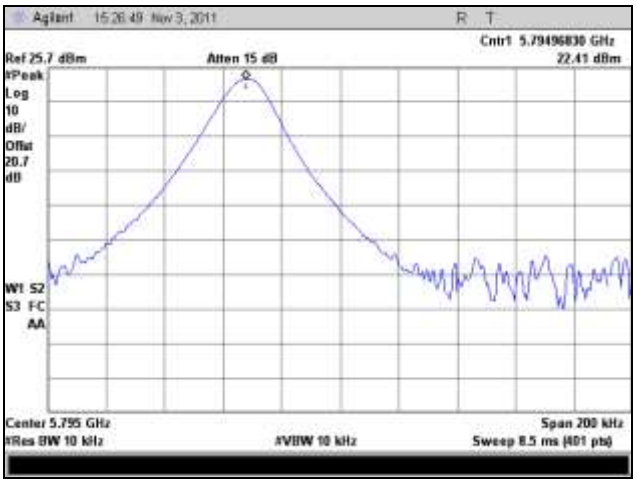
Frequency Stability, 5795 MHz



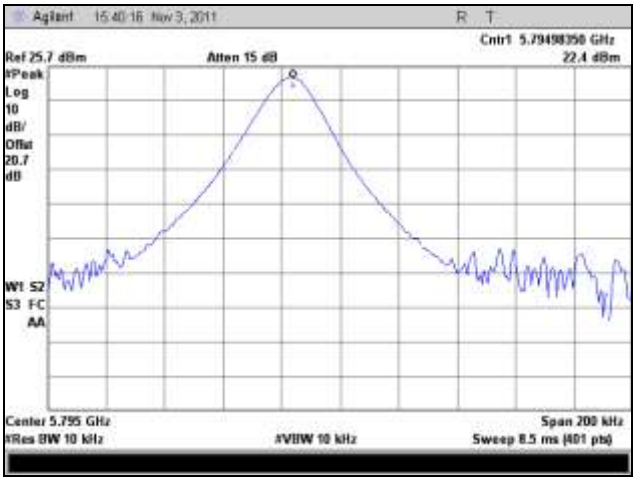
Plot 490. Frequency Stability, 5795 MHz, -40°C



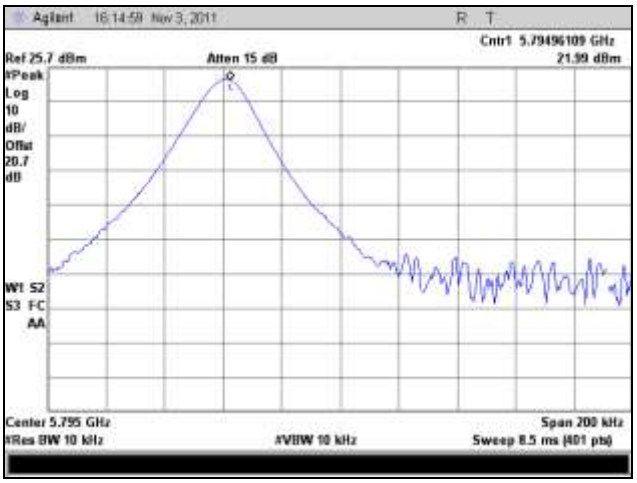
Plot 491. Frequency Stability, 5795 MHz, -30°C



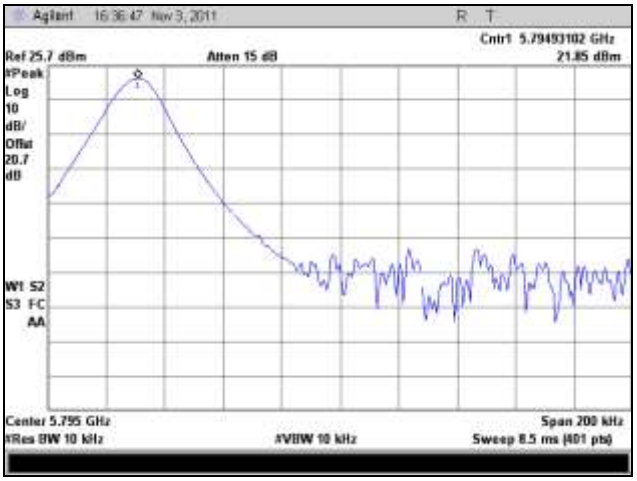
Plot 492. Frequency Stability, 5795 MHz, -20°C



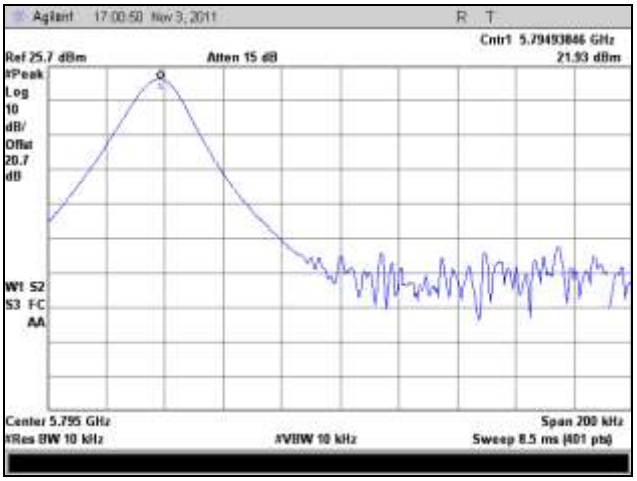
Plot 493. Frequency Stability, 5795 MHz, -10°C



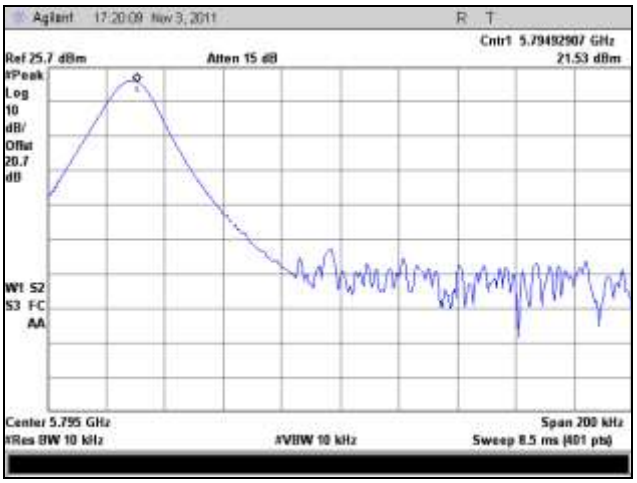
Plot 494. Frequency Stability, 5795 MHz, 0°C



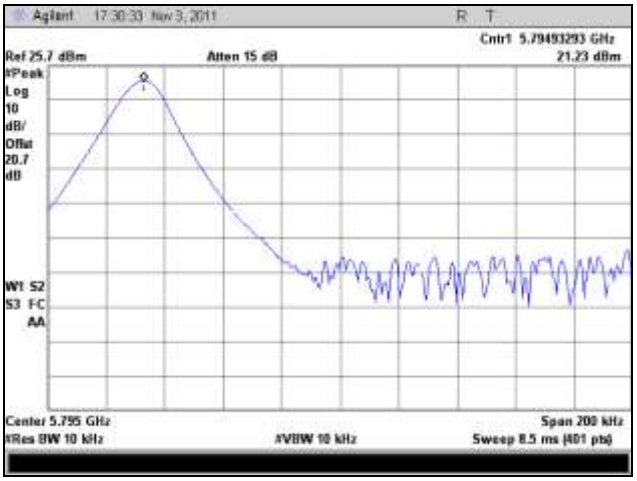
Plot 495. Frequency Stability, 5795 MHz, 10°C



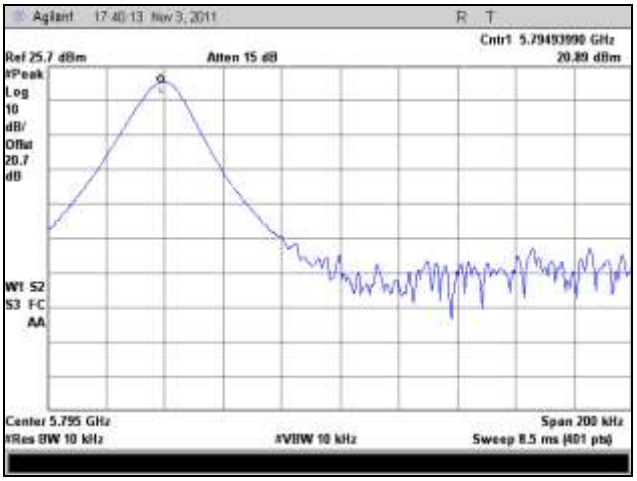
Plot 496. Frequency Stability, 5795 MHz, 20°C



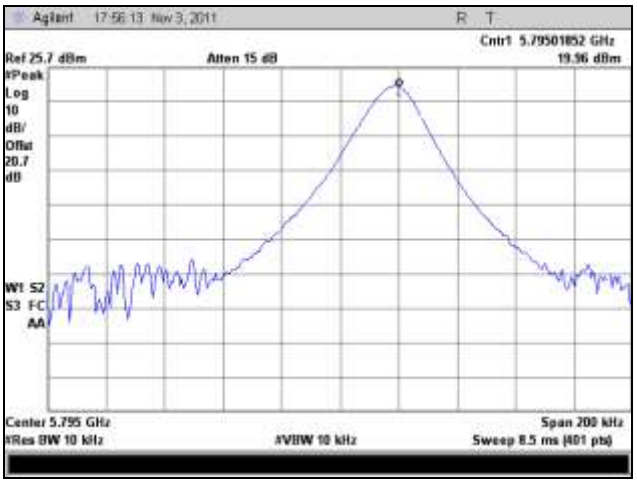
Plot 497. Frequency Stability, 5795 MHz, 30°C



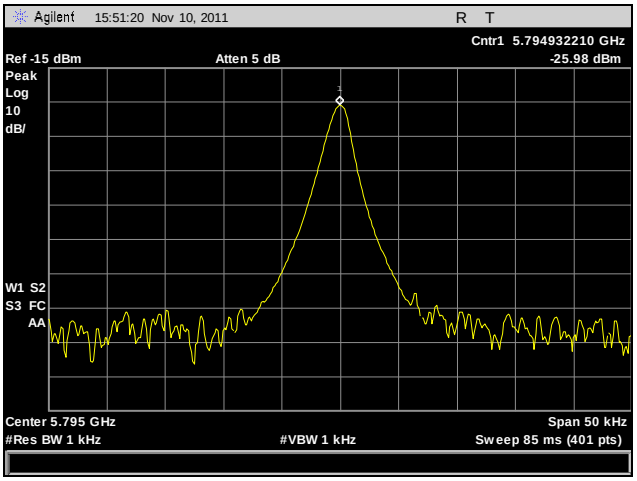
Plot 498. Frequency Stability, 5795 MHz, 40°C



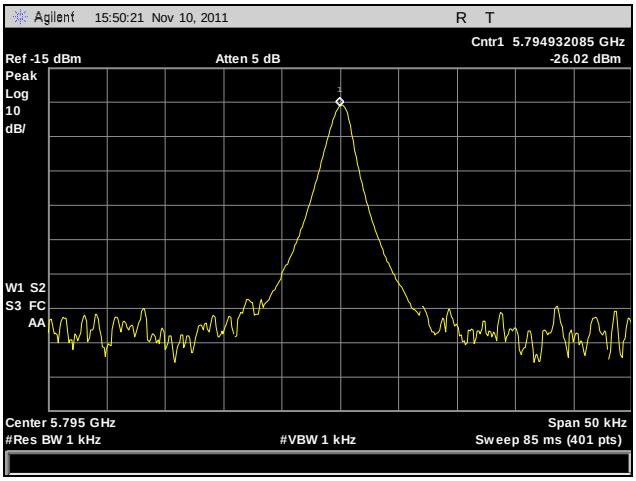
Plot 499. Frequency Stability, 5795 MHz, 50°C



Plot 500. Frequency Stability, 5795 MHz, 60°C

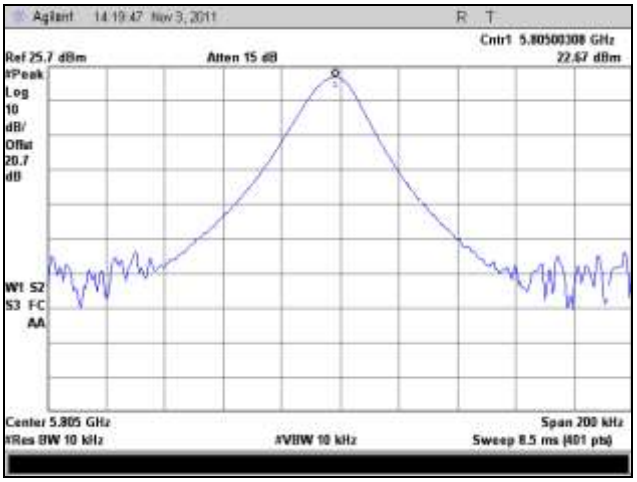


Plot 501. Frequency Stability, 5795 MHz, 85% Voltage

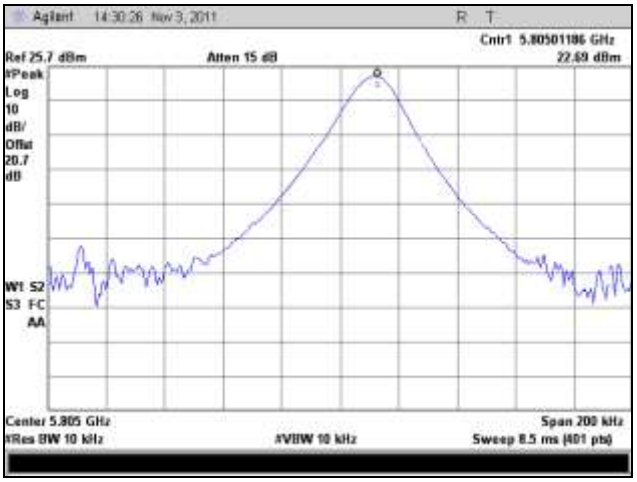


Plot 502. Frequency Stability, 5795 MHz, 115% Voltage

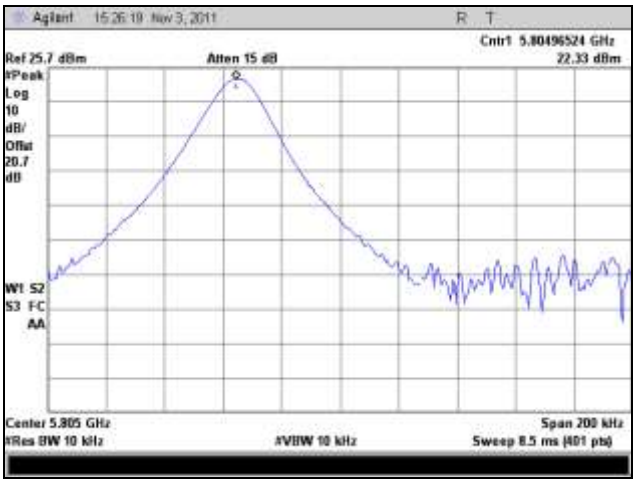
Frequency Stability, 5805 MHz



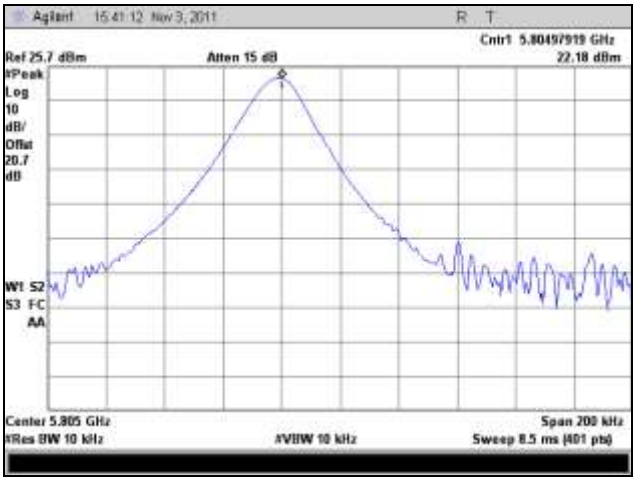
Plot 503. Frequency Stability, 5805 MHz, -40°C



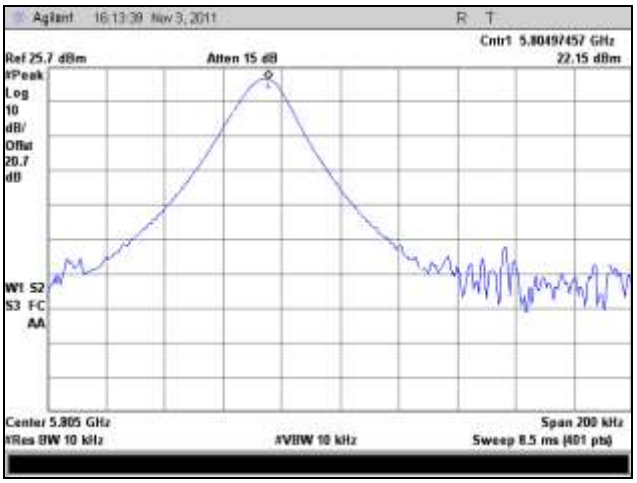
Plot 504. Frequency Stability, 5805 MHz, -30°C



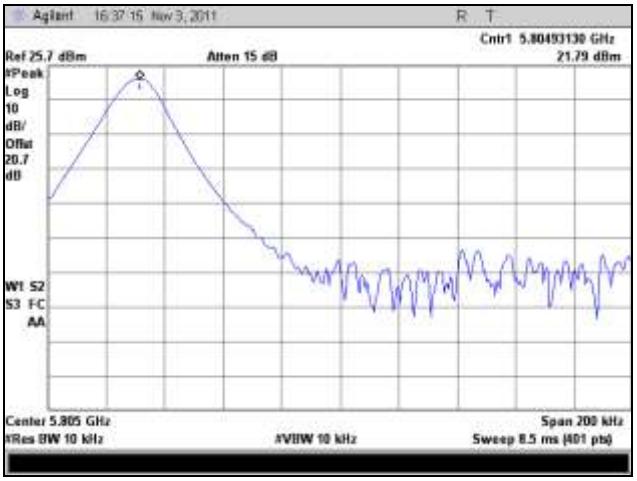
Plot 505. Frequency Stability, 5805 MHz, -20°C



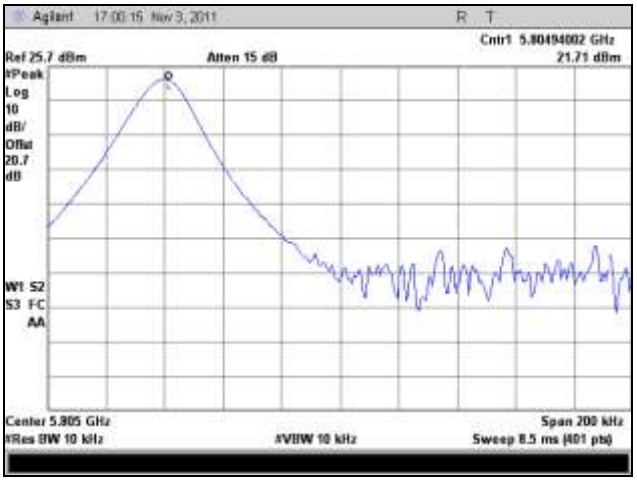
Plot 506. Frequency Stability, 5805 MHz, -10°C



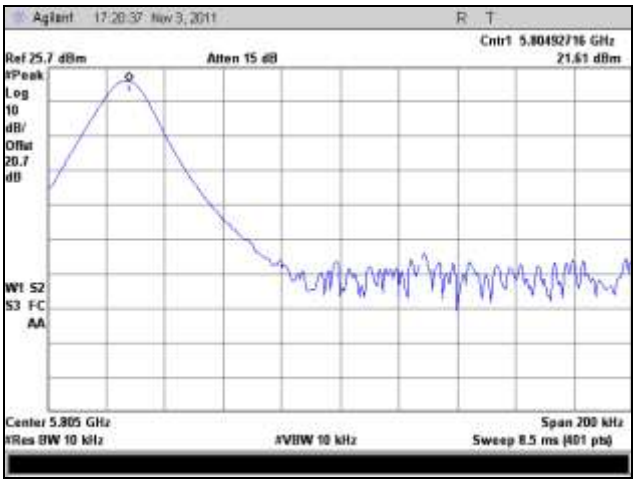
Plot 507. Frequency Stability, 5805 MHz, 0°C



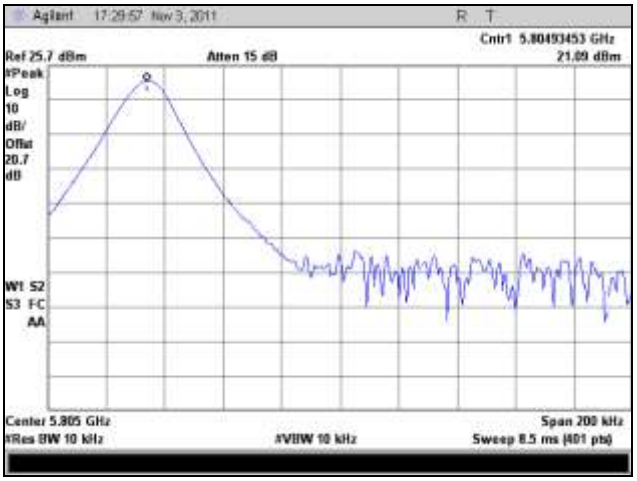
Plot 508. Frequency Stability, 5805 MHz, 10°C



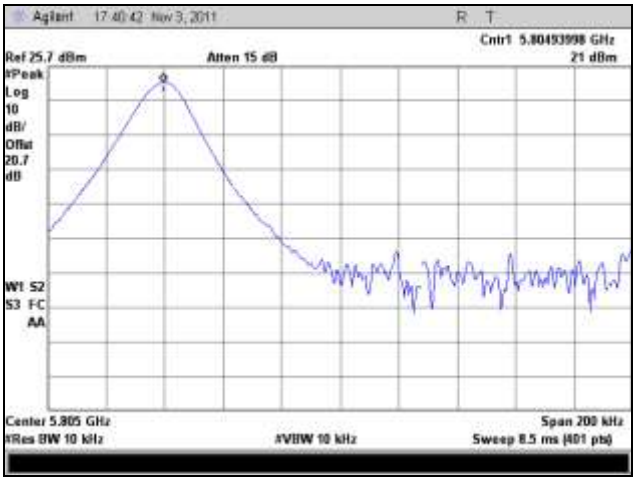
Plot 509. Frequency Stability, 5805 MHz, 20°C



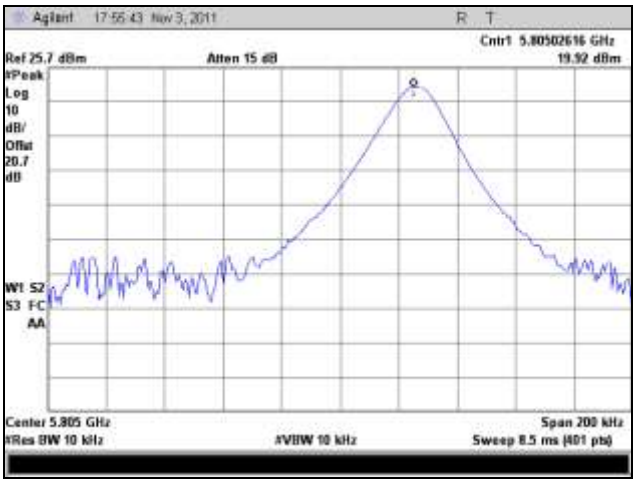
Plot 510. Frequency Stability, 5805 MHz, 30°C



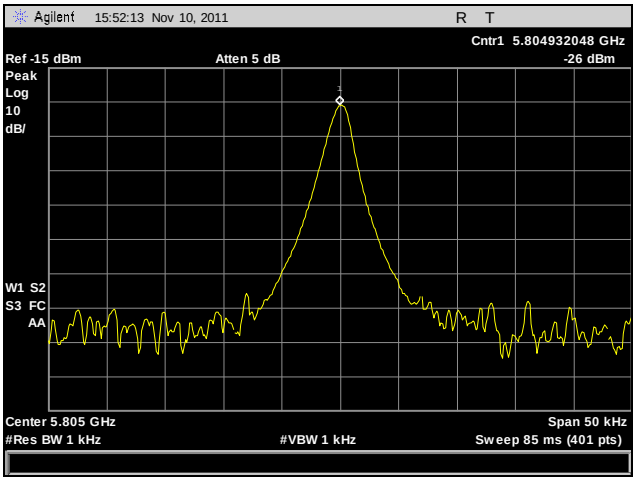
Plot 511. Frequency Stability, 5805 MHz, 40°C



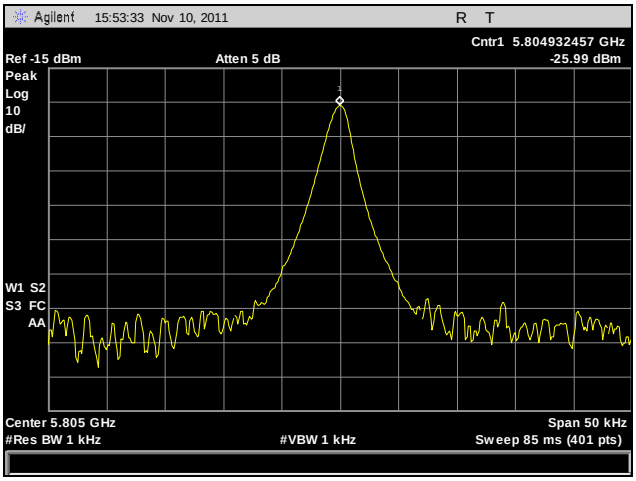
Plot 512. Frequency Stability, 5805 MHz, 50°C



Plot 513. Frequency Stability, 5805 MHz, 60°C



Plot 514. Frequency Stability, 5805 MHz, 85% Voltage



Plot 515. Frequency Stability, 5805 MHz, 115% Voltage

Electromagnetic Compatibility Criteria for Intentional Radiators

RSS-GEN Receiver Spurious Emissions Requirements

Test Requirements: The following receiver spurious emission limits shall be complied with:

(a) If a radiated measurement is made, all spurious emissions shall comply with the limits of Table 26.

Spurious Frequency (MHz)	Field Strength (microvolt/m at 3 metres)
30 – 88	100
88 – 216	150
216 – 960	200
Above 960	500

Table 26. Spurious Emission Limits for Receivers

(b) If a conducted measurement is made, no spurious output signals appearing at the antenna terminals shall exceed 2 nanowatts per any 4 kHz spurious frequency in the band 30-1000 MHz, or 5 nanowatts above 1 GHz.

Test Procedures: The EUT was programmed for receive mode only. Conducted measurements were taken at the antenna port of the EUT. 100 kHz resolution bandwidth was used from 30 MHz - 1 GHz and 300 kHz resolution was used for measurements done above 1 GHz. All plots are corrected for cable loss.

Test Results: Equipment is compliant with the Receiver Spurious Emissions Requirements of RSS-GEN.

Test Engineer(s): Anderson Soungpanya and Lionel Gabrillo

Test Date(s): 11/07/11 and 12/19/11

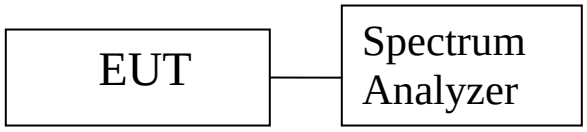
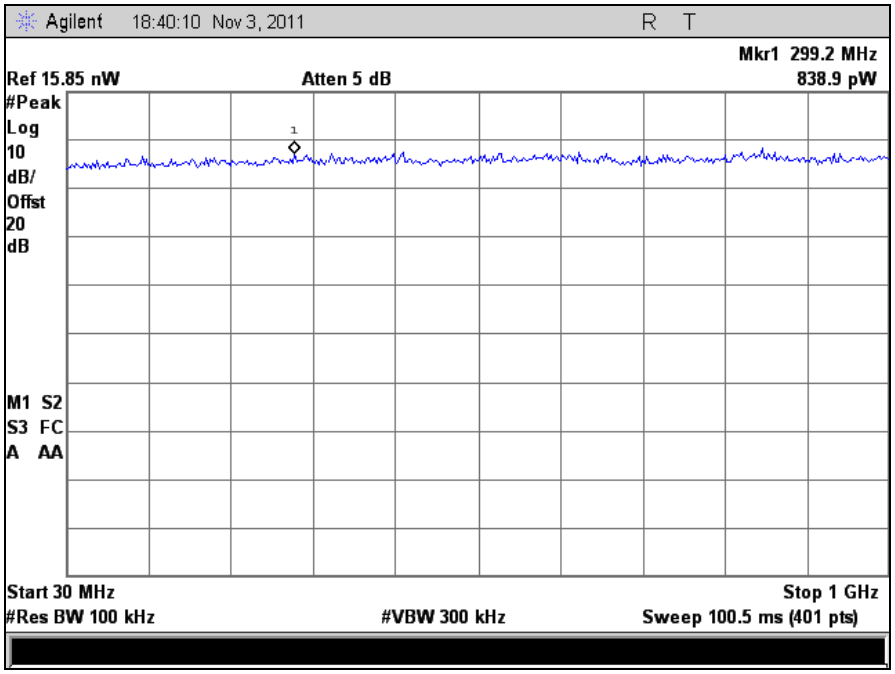
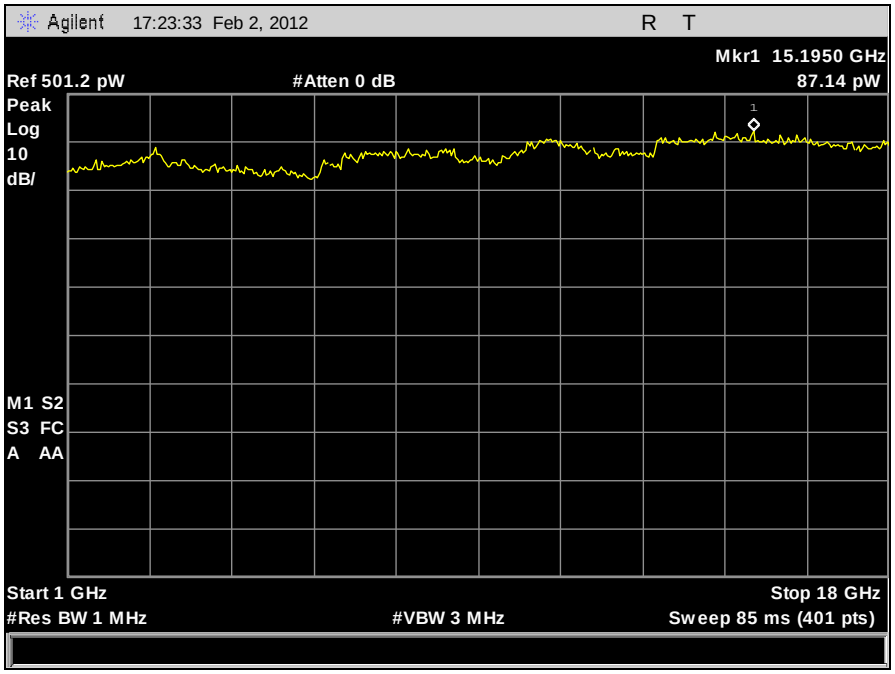


Figure 6. Block Diagram, Conducted Receiver Spurious Emissions Test Setup

Conducted Receiver Spurious Emissions, Port 1

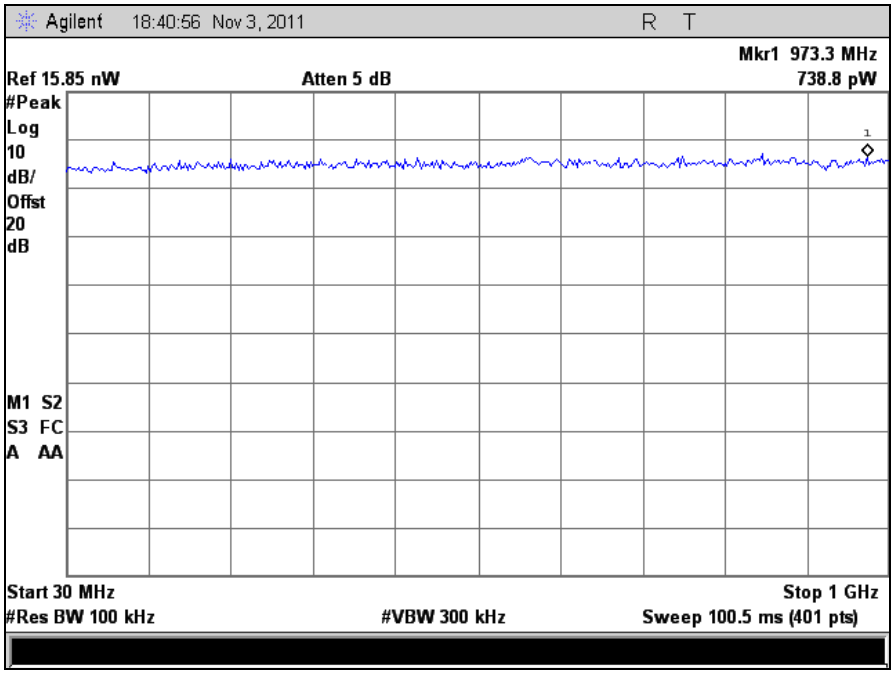


Plot 516. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 1

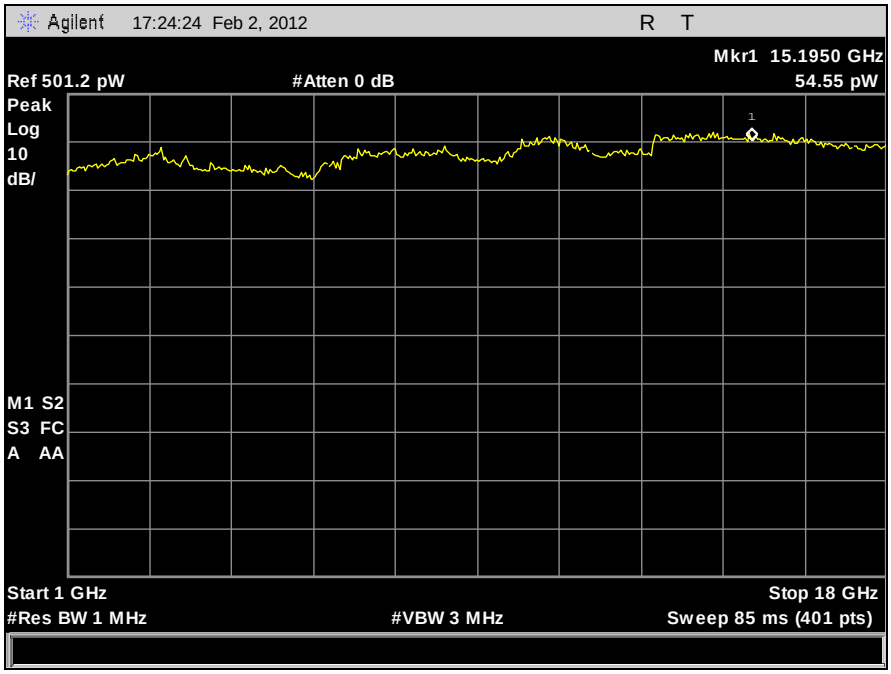


Plot 517. Receiver Spurious Emission, 1 GHz – 20 GHz, Port 1

Conducted Receiver Spurious Emissions, Port 2

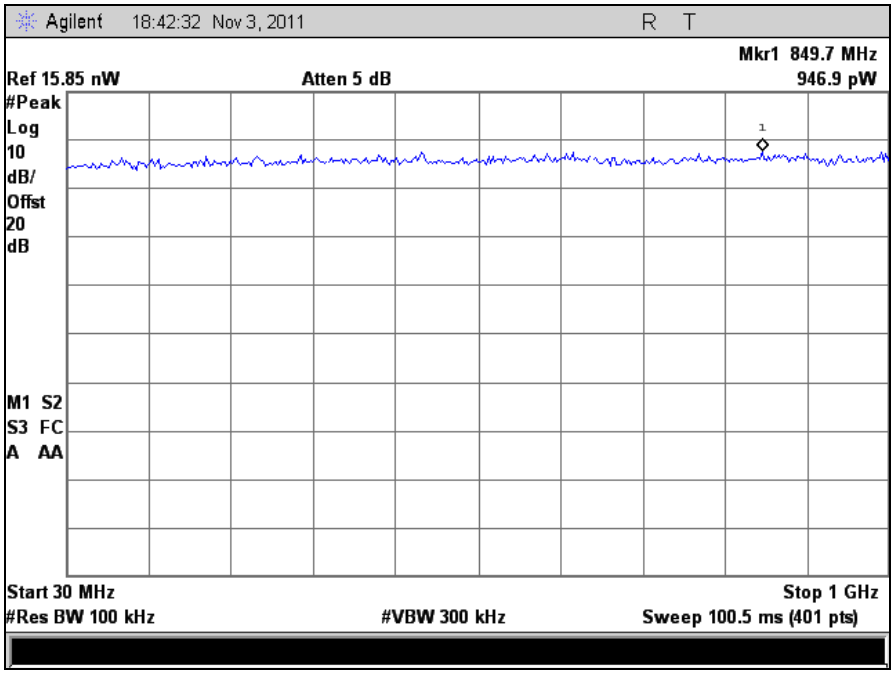


Plot 518. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 2

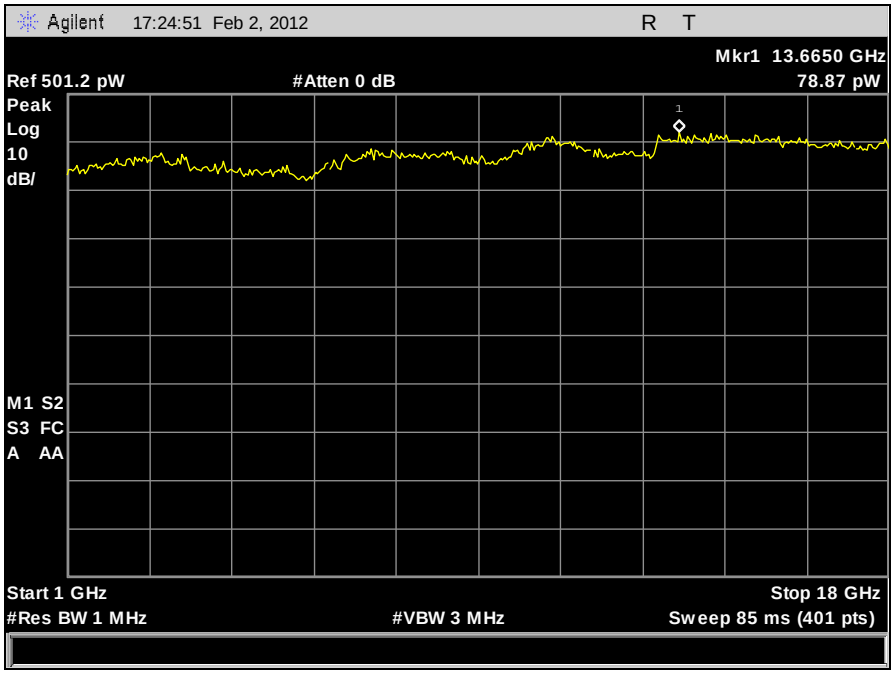


Plot 519. Receiver Spurious Emission, 1 GHz – 20 GHz, Port 2

Conducted Receiver Spurious Emissions, Port 3



Plot 520. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 3



Plot 521. Receiver Spurious Emission, 1 GHz – 20 GHz, Port 3

IV. Test Equipment

Test Equipment

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ANSI/NCSL Z540-1-1994 and ANSI/ISO/IEC 17025:2000.

MET Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2607	SPECTRUM ANALYZER	AGILENT/HP	E4407B	8/9/2011	8/9/2012
1S2691	DUAL-LINE V-LISN	TESEQ	NNB-51	3/31/2011	3/31/2012
1S2633	TRANSIENT LIMITER	FISCHER CUSTOM COMMUNICATIONS INC.	FCC-450B-2.4-N	2/18/2011	2/18/2012
1S2399	TURNTABLE CONTROLLER	SUNOL SCIENCE	SC99V	NO CALIBRATION REQUIRED	
1S2501	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESU40	06/09/2011	06/09/2012
1S2482	5 METER CHAMBER	PANASHIELD	641431	11/18/2011	11/18/2012
1S2460	SPECTRUM ANALYZER	AGILENT	E4407B	7/12/2011	7/12/2012
1S2583	SPECTRUM ANALYZER	AGILENT/HP	E4447A	3/18/2011	3/18/2012
1S2600	BILOG ANTENNA	TESEQ	CBL6112D	4/14/2010	4/14/2013
1S2501	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESU40	06/09/2011	06/09/2012
1S2198	HORN ANTENNA	EMCO	3115	9/29/2011	9/29/2012
N/A	HIGH PASS FILTER	MICRO-TRONICS	HPM13147	SEE NOTE	
1S2714	THERM/CLOCK/HUMIDITY MONITOR	CONTROL COMPANY	06-662-4, FB7025B	11/9/2011	11/9/2013
1S2523	PREAMP (1-26.5GHZ)	AGILENT	8449B	SEE NOTE	
1S2229	TEMPERATURE CHAMBER	TENNY ENGINEERING	T63C	2/18/2011	2/18/2012
1S2202	HORN ANTENNA (18GHZ – 26GHZ)	EMCO	3116	4/23/2010	4/23/2013
1S2698	DOUBLE RIDGE GUIDE HORN ANTENNA (26GHZ – 40GHZ)	A.H. SYSTEMS, INC.	SAS-574	5/24/2011	5/24/2012

Table 27. Test Equipment List

Note: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.

V. Certification & User's Manual Information

Certification & User's Manual Information

A. Certification Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 2, Subpart I — Marketing of Radio frequency devices:

§ 2.801 Radio-frequency device defined.

As used in this part, a radio-frequency device is any device which in its operation is capable of Emitting radio-frequency energy by radiation, conduction, or other means. Radio- frequency devices include, but are not limited to:

(a) The various types of radio communication transmitting devices described throughout this chapter.

(b) The incidental, unintentional and intentional radiators defined in Part 15 of this chapter.

(c) The industrial, scientific, and medical equipment described in Part 18 of this chapter.

(d) Any part or component thereof which in use emits radio-frequency energy by radiation, conduction, or other means.

§ 2.803 Marketing of radio frequency devices prior to equipment authorization.

(a) Except as provided elsewhere in this chapter, no person shall sell or lease, or offer for sale or lease (including advertising for sale or lease), or import, ship or distribute for the purpose of selling or leasing or offering for sale or lease, any radio frequency device unless:

(1) In the case of a device subject to certification, such device has been authorized by the Commission in accordance with the rules in this chapter and is properly identified and labeled as required by §2.925 and other relevant sections in this chapter; or

(2) In the case of a device that is not required to have a grant of equipment authorization issued by the Commission, but which must comply with the specified technical standards prior to use, such device also complies with all applicable administrative (including verification of the equipment or authorization under a Declaration of Conformity, where required), technical, labeling and identification requirements specified in this chapter.

(d) Notwithstanding the provisions of paragraph (a) of this section, the offer for sale solely to business, commercial, industrial, scientific or medical users (but not an offer for sale to other parties or to end users located in a residential environment) of a radio frequency device that is in the conceptual, developmental, design or pre-production stage is permitted prior to equipment authorization or, for devices not subject to the equipment authorization requirements, prior to a determination of compliance with the applicable technical requirements *provided* that the prospective buyer is advised in writing at the time of the offer for sale that the equipment is subject to the FCC rules and that the equipment will comply with the appropriate rules before delivery to the buyer or to centers of distribution.

(e)(1) Notwithstanding the provisions of paragraph (a) of this section, prior to equipment authorization or determination of compliance with the applicable technical requirements any radio frequency device may be operated, but not marketed, for the following purposes and under the following conditions:

(i) Compliance testing;

(ii) Demonstrations at a trade show provided the notice contained in paragraph (c) of this section is displayed in a conspicuous location on, or immediately adjacent to, the device;

(iii) Demonstrations at an exhibition conducted at a business, commercial, industrial, scientific or medical location, but excluding locations in a residential environment, provided the notice contained in paragraphs (c) or (d) of this section, as appropriate, is displayed in a conspicuous location on, or immediately adjacent to, the device;

(iv) Evaluation of product performance and determination of customer acceptability, provided such operation takes place at the manufacturer's facilities during developmental, design or pre-production states; or

(v) Evaluation of product performance and determination of customer acceptability where customer acceptability of a radio frequency device cannot be determined at the manufacturer's facilities because of size or unique capability of the device, provided the device is operated at a business, commercial, industrial, scientific or medical user's site, but not at a residential site, during the development, design or pre-production stages.

(e)(2) For the purpose of paragraphs (e)(1)(iv) and (e)(1)(v) of this section, the term *manufacturer's facilities* includes the facilities of the party responsible for compliance with the regulations and the manufacturer's premises, as well as the facilities of other entities working under the authorization of the responsible party in connection with the development and manufacture, but not the marketing, of the equipment.

(f) For radio frequency devices subject to verification and sold solely to business, commercial, industrial, scientific and medical users (excluding products sold to other parties or for operation in a residential environment), parties responsible for verification of the devices shall have the option of ensuring compliance with the applicable technical specifications of this chapter at each end user's location after installation, provided that the purchase or lease agreement includes a proviso that such a determination of compliance be made and is the responsibility of the party responsible for verification of the equipment.

Certification & User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 2, Subpart J — Equipment Authorization Procedures:

§ 2.901 Basis and Purpose

(a) In order to carry out its responsibilities under the Communications Act and the various treaties and international regulations, and in order to promote efficient use of the radio spectrum, the Commission has developed technical standards for radio frequency equipment and parts or components thereof. The technical standards applicable to individual types of equipment are found in that part of the rules governing the service wherein the equipment is to be operated.[1] *In addition to the technical standards provided, the rules governing the service may require that such equipment be verified by the manufacturer or importer*, be authorized under a Declaration of Conformity, or receive an equipment authorization from the Commission by one of the following procedures: certification or registration.

(b) The following sections describe the verification procedure, the procedure for a Declaration of Conformity, and the procedures to be followed in obtaining certification from the Commission and the conditions attendant to such a grant.

§ 2.907 Certification.

(a) Certification is an equipment authorization issued by the Commission, based on representation and test data submitted by the applicant.

(b) Certification attaches to all units subsequently marketed by the grantee which are identical (see Section 2.908) to the sample tested except for permissive changes or other variations authorized by the Commission pursuant to Section 2.1043.

[1] In this case, the equipment is subject to the rules of Part 15. More specifically, the equipment falls under Subpart B (of Part 15), which deals with unintentional radiators.

Certification & User's Manual Information

§ 2.948 Description of measurement facilities.

(a) Each party making measurements of equipment that is subject to an equipment authorization under Part 15 or Part 18 of this chapter, regardless of whether the measurements are filed with the Commission or kept on file by the party responsible for compliance of equipment marketed within the U.S. or its possessions, shall compile a description of the measurement facilities employed.

(1) If the measured equipment is subject to the verification procedure, the description of the measurement facilities shall be retained by the party responsible for verification of the equipment.

(i) If the equipment is verified through measurements performed by an independent laboratory, it is acceptable for the party responsible for verification of the equipment to rely upon the description of the measurement facilities retained by or placed on file with the Commission by that laboratory. In this situation, the party responsible for the verification of the equipment is not required to retain a duplicate copy of the description of the measurement facilities.

(ii) If the equipment is verified based on measurements performed at the installation site of the equipment, no specific site calibration data is required. It is acceptable to retain the description of the measurement facilities at the site at which the measurements were performed.

(2) If the equipment is to be authorized by the Commission under the certification procedure, the description of the measurement facilities shall be filed with the Commission's Laboratory in Columbia, Maryland. The data describing the measurement facilities need only be filed once but must be updated as changes are made to the measurement facilities or as otherwise described in this section. At least every three years, the organization responsible for filing the data with the Commission shall certify that the data on file is current.

Certification & User's Manual Information

Label and User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 15, Subpart A — General:

§ 15.19 Labeling requirements.

(a) In addition to the requirements in Part 2 of this chapter, a device subject to certification or verification shall be labeled as follows:

(1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under Part 73 of this chapter, land mobile operation under Part 90, etc., shall bear the following statement in a conspicuous location on the device:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

(2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:

This device is verified to comply with Part 15 of the FCC Rules for use with cable television service.

(3) All other devices shall bear the following statement in a conspicuous location on the device:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

(4) Where a device is constructed in two or more sections connected by wires and marketed together, the statement specified under paragraph (a) of this section is required to be affixed only to the main control unit.

(5) When the device is so small or for such use that it is not practicable to place the statement specified under paragraph (a) of this section on it, the information required by this paragraph shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user or, alternatively, shall be placed on the container in which the device is marketed. However, the FCC identifier or the unique identifier, as appropriate, must be displayed on the device.

§ 15.21 Information to user.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Verification & User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 15, Subpart B — Unintentional Radiators:

§ 15.105 Information to the user.

(a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

End of Report

