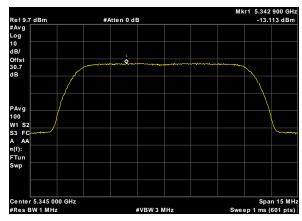
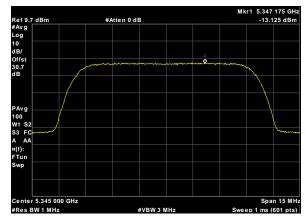


Plot 274. Power Spectral Density, UNII 2A, BW 10M, CF 5300M, c1, 27dBi

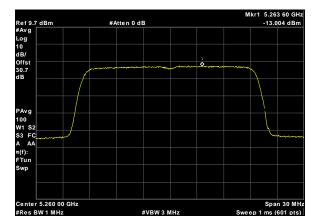


Plot 275. Power Spectral Density, UNII 2A, BW 10M, CF 5345M, c0, 27dBi

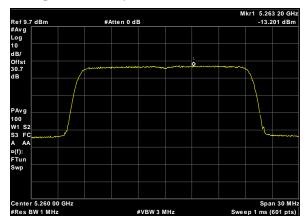


Plot 276. Power Spectral Density, UNII 2A, BW 10M, CF 5345M, c1, 27dBi

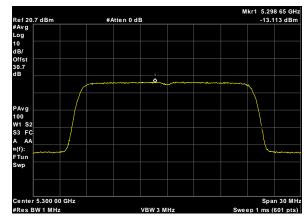




Plot 277. Power Spectral Density, UNII 2A, BW 20M, CF 5260M, c0, 27dBi

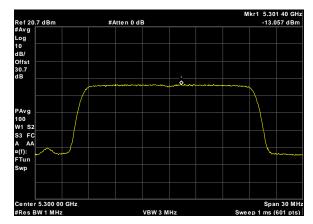


Plot 278. Power Spectral Density, UNII 2A, BW 20M, CF 5260M, c1, 27dBi

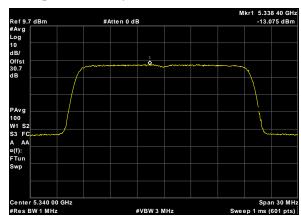


Plot 279. Power Spectral Density, UNII 2A, BW 20M, CF 5300M, c0, 27dBi

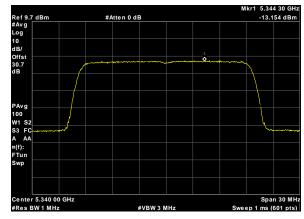




Plot 280. Power Spectral Density, UNII 2A, BW 20M, CF 5300M, c1, 27dBi

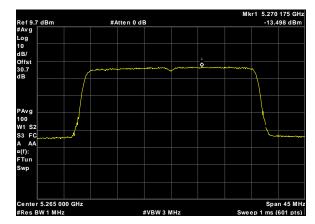


Plot 281. Power Spectral Density, UNII 2A, BW 20M, CF 5340M, c0, 27dBi

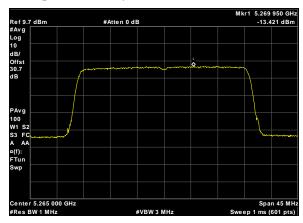


Plot 282. Power Spectral Density, UNII 2A, BW 20M, CF 5340M, c1, 27dBi

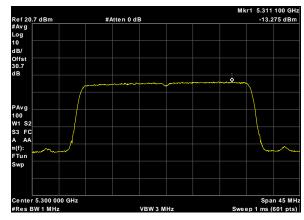




Plot 283. Power Spectral Density, UNII 2A, BW 30M, CF 5265M, c0, 27dBi

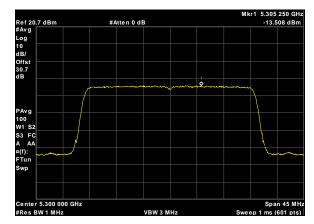


Plot 284. Power Spectral Density, UNII 2A, BW 30M, CF 5265M, c1, 27dBi

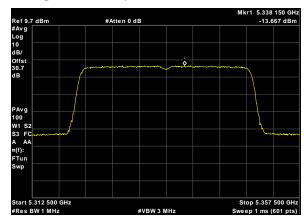


Plot 285. Power Spectral Density, UNII 2A, BW 30M, CF 5300M, c0, 27dBi

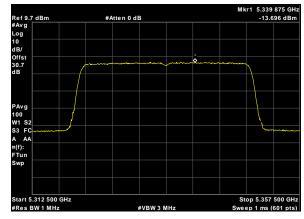




Plot 286. Power Spectral Density, UNII 2A, BW 30M, CF 5300M, c1, 27dBi

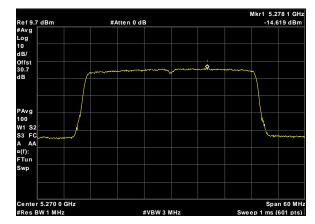


Plot 287. Power Spectral Density, UNII 2A, BW 30M, CF 5335M, c0, 27dBi

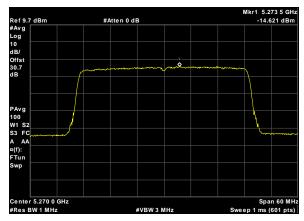


Plot 288. Power Spectral Density, UNII 2A, BW 30M, CF 5335M, c1, 27dBi

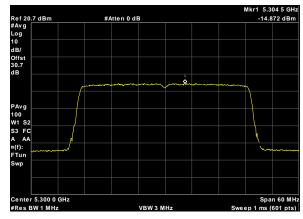




Plot 289. Power Spectral Density, UNII 2A, BW 40M, CF 5270M, c0, 27dBi

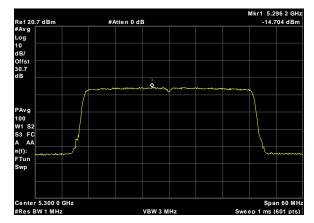


Plot 290. Power Spectral Density, UNII 2A, BW 40M, CF 5270M, c1, 27dBi

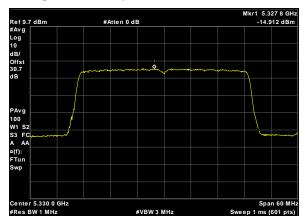


Plot 291. Power Spectral Density, UNII 2A, BW 40M, CF 5300M, c0, 27dBi

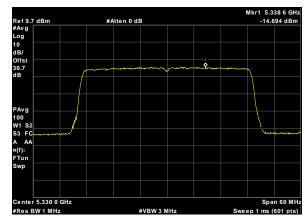




Plot 292. Power Spectral Density, UNII 2A, BW 40M, CF 5300M, c1, 27dBi

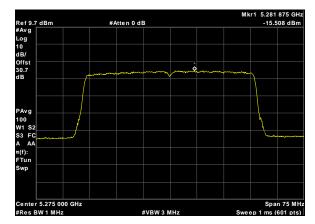


Plot 293. Power Spectral Density, UNII 2A, BW 40M, CF 5330M, c0, 27dBi

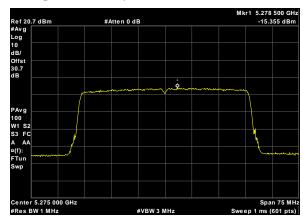


Plot 294. Power Spectral Density, UNII 2A, BW 40M, CF 5330M, c1, 27dBi

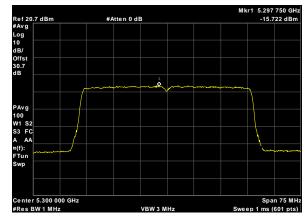




Plot 295. Power Spectral Density, UNII 2A, BW 50M, CF 5275M, c0, 27dBi

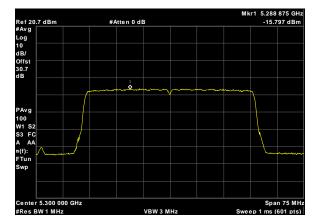


Plot 296. Power Spectral Density, UNII 2A, BW 50M, CF 5275M, c1, 27dBi

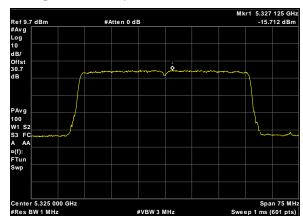


Plot 297. Power Spectral Density, UNII 2A, BW 50M, CF 5300M, c0, 27dBi





Plot 298. Power Spectral Density, UNII 2A, BW 50M, CF 5300M, c1, 27dBi



Plot 299. Power Spectral Density, UNII 2A, BW 50M, CF 5325M, c0, 27dBi



## Power Spectral Density, UNII 2C

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	0.909	0.986	3.958	11	13	4	-0.042
	5600	0.904	0.984	3.955	11	13	4	-0.045
	5720	0.977	0.963	3.981	11	13	4	-0.019
20	5480	0.725	0.763	3.755	11	13	4	-0.245
	5600	0.498	1.38	3.972	11	13	4	-0.028
	5715	0.887	0.983	3.946	11	13	4	-0.054
30	5485	0.261	0.005	3.146	11	13	4	-0.854
	5600	0.557	0.158	3.373	11	13	4	-0.627
	5710	0.117	0.378	3.26	11	13	4	-0.74
40	5490	-0.994	-1.612	1.719	11	13	4	-2.281
	5600	-0.685	-1.008	2.167	11	13	4	-1.833
	5705	-0.828	-0.812	2.191	11	13	4	-1.809
50	5495	-0.874	-2.714	1.314	11	13	4	-2.686
	5600	-1.575	-1.751	1.349	11	13	4	-2.651
	5700	-1.974	-1.77	1.14	11	13	4	-2.86

Table 19. Power Spectral Density, UNII 2C, 13 dBi, 2x2, Test Results

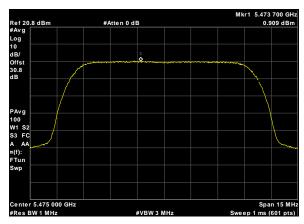
Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	-5.089	-5.019	-2.043	11	19	-2	-0.043
	5600	-5.079	-5.087	-2.072	11	19	-2	-0.072
	5720	-5.017	-5.041	-2.018	11	19	-2	-0.018
20	5480	-5.126	-5.033	-2.068	11	19	-2	-0.068
	5600	-5.115	-5.025	-2.059	11	19	-2	-0.059
	5715	-5.031	-5.032	-2.021	11	19	-2	-0.021
30	5485	-5.438	-5.51	-2.463	11	19	-2	-0.463
	5600	-5.968	-5.816	-2.881	11	19	-2	-0.881
	5710	-5.634	-5.829	-2.72	11	19	-2	-0.72
40	5490	-6.675	-6.918	-3.784	11	19	-2	-1.784
	5600	-6.728	-6.819	-3.762	11	19	-2	-1.762
	5705	-6.832	-6.807	-3.809	11	19	-2	-1.809
50	5495	-7.582	-7.693	-4.626	11	19	-2	-2.626
	5600	-7.797	-7.534	-4.653	11	19	-2	-2.653
	5700	-7.967	-7.643	-4.791	11	19	-2	-2.791



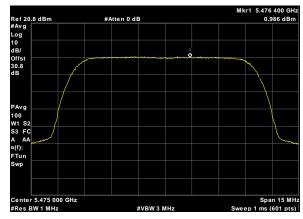
Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	-13.064	-13.123	-10.083	11	27	-10	-0.083
	5600	-13.019	-13.084	-10.041	11	27	-10	-0.041
	5720	-13.069	-13.025	-10.036	11	27	-10	-0.036
20	5480	-13.031	-13.101	-10.055	11	27	-10	-0.055
	5600	-13.015	-13.049	-10.021	11	27	-10	-0.021
	5715	-13.049	-13.038	-10.033	11	27	-10	-0.033
	5485	-13.66	-13.581	-10.61	11	27	-10	-0.61
30	5600	-13.631	-13.498	-10.553	11	27	-10	-0.553
	5710	-13.463	-13.685	-10.562	11	27	-10	-0.562
40	5490	-14.488	-14.804	-11.632	11	27	-10	-1.632
	5600	-14.776	-14.76	-11.757	11	27	-10	-1.757
	5705	-14.81	-14.712	-11.75	11	27	-10	-1.75
50	5495	-15.943	-16.028	-12.974	11	27	-10	-2.974
	5600	-15.764	-15.787	-12.765	11	27	-10	-2.765
	5700	-15.952	-15.578	-12.75	11	27	-10	-2.75

Table 21. Power Spectral Density, UNII 2C, 27 dBi, 2x2, Test Results

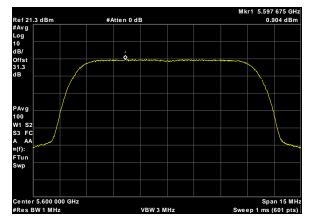




Plot 300. Power Spectral Density, UNII 2C, BW 10M, CF 5475M, c0, 13dBi

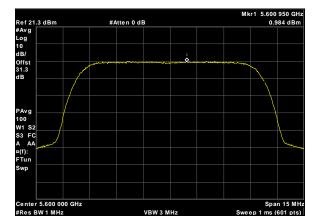


Plot 301. Power Spectral Density, UNII 2C, BW 10M, CF 5475M, c1, 13dBi

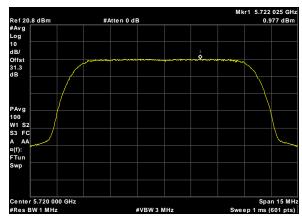


Plot 302. Power Spectral Density, UNII 2C, BW 10M, CF 5600M, c0, 13dBi

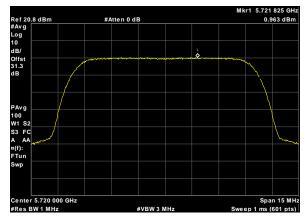




Plot 303. Power Spectral Density, UNII 2C, BW 10M, CF 5600M, c1, 13dBi

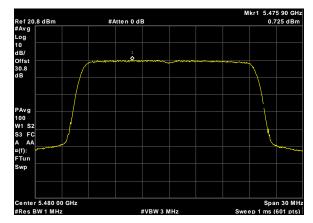


Plot 304. Power Spectral Density, UNII 2C, BW 10M, CF 5720M, c0, 13dBi

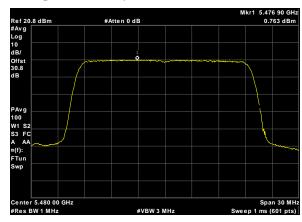


Plot 305. Power Spectral Density, UNII 2C, BW 10M, CF 5720M, c1, 13dBi

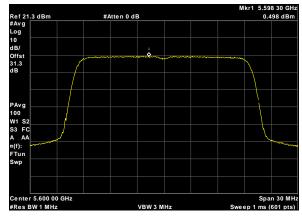




Plot 306. Power Spectral Density, UNII 2C, BW 20M, CF 5480M, c0, 13dBi

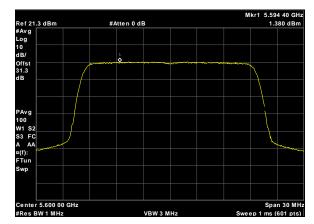


Plot 307. Power Spectral Density, UNII 2C, BW 20M, CF 5480M, c1, 13dBi

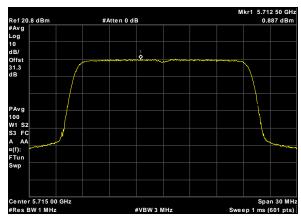


Plot 308. Power Spectral Density, UNII 2C, BW 20M, CF 5600M, c0, 13dBi

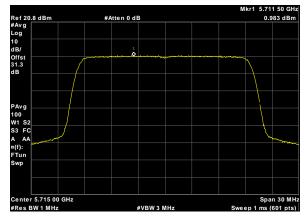




Plot 309. Power Spectral Density, UNII 2C, BW 20M, CF 5600M, c1, 13dBi

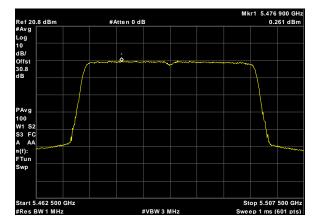


Plot 310. Power Spectral Density, UNII 2C, BW 20M, CF 5715M, c0, 13dBi

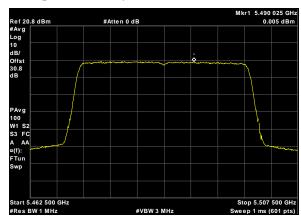


Plot 311. Power Spectral Density, UNII 2C, BW 20M, CF 5715M, c1, 13dBi

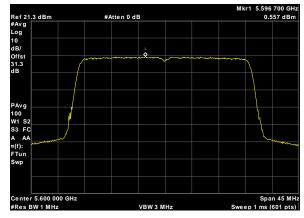




Plot 312. Power Spectral Density, UNII 2C, BW 30M, CF 5485M, c0, 13dBi

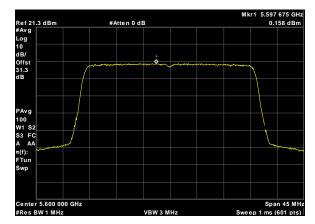


Plot 313. Power Spectral Density, UNII 2C, BW 30M, CF 5485M, c1, 13dBi

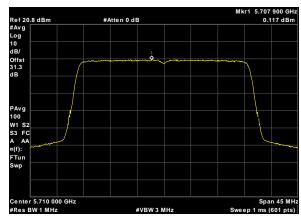


Plot 314. Power Spectral Density, UNII 2C, BW 30M, CF 5600M, c0, 13dBi

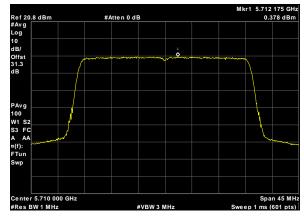




Plot 315. Power Spectral Density, UNII 2C, BW 30M, CF 5600M, c1, 13dBi

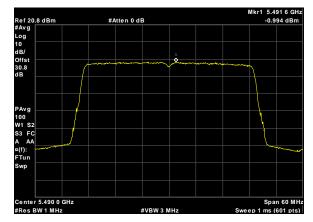


Plot 316. Power Spectral Density, UNII 2C, BW 30M, CF 5710M, c0, 13dBi

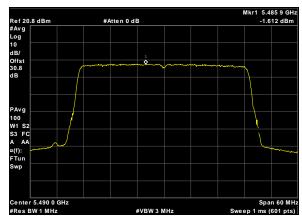


Plot 317. Power Spectral Density, UNII 2C, BW 30M, CF 5710M, c1, 13dBi

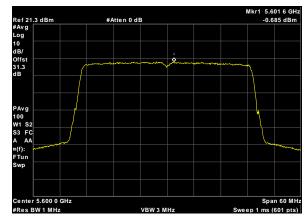




Plot 318.Power Spectral Density, UNII 2C, BW 40M, CF 5490M, c0, 13dBi

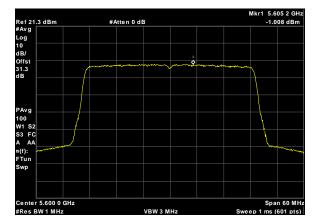


Plot 319. Power Spectral Density, UNII 2C, BW 40M, CF 5490M, c1, 13dBi

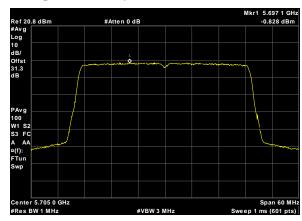


Plot 320. Power Spectral Density, UNII 2C, BW 40M, CF 5600M, c0, 13dBi

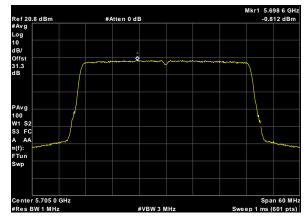




Plot 321. Power Spectral Density, UNII 2C, BW 40M, CF 5600M, c1, 13dBi

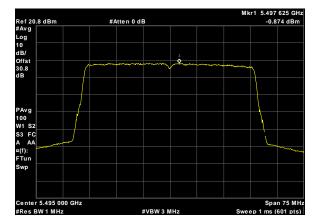


Plot 322. Power Spectral Density, UNII 2C, BW 40M, CF 5705M, c0, 13dBi

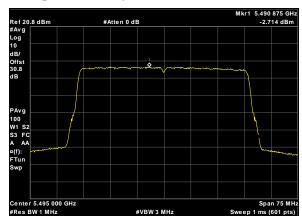


Plot 323. Power Spectral Density, UNII 2C, BW 40M, CF 5705M, c1, 13dBi

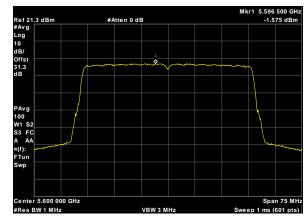




Plot 324. Power Spectral Density, UNII 2C, BW 50M, CF 5495M, c0, 13dBi

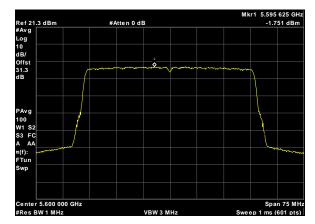


Plot 325. Power Spectral Density, UNII 2C, BW 50M, CF 5495M, c1, 13dBi

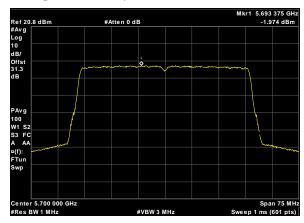


Plot 326. Power Spectral Density, UNII 2C, BW 50M, CF 5600M, c0, 13dBi

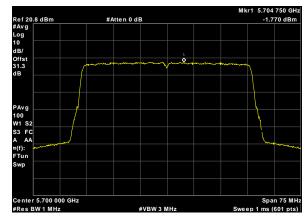




Plot 327. Power Spectral Density, UNII 2C, BW 50M, CF 5600M, c1, 13dBi

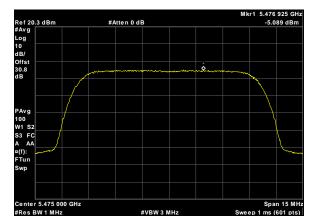


Plot 328. Power Spectral Density, UNII 2C, BW 50M, CF 5700M, c0, 13dBi

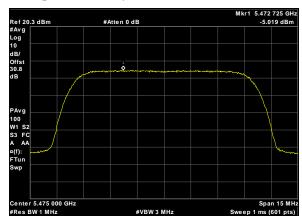


Plot 329. Power Spectral Density, UNII 2C, BW 50M, CF 5700M, c1, 13dBi

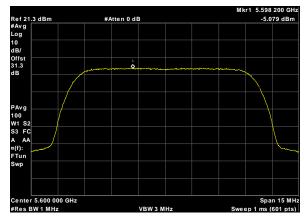




Plot 330. Power Spectral Density, UNII 2C, BW 10M, CF 5475M, c0, 19dBi

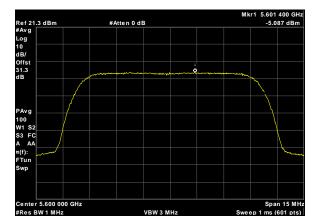


Plot 331. Power Spectral Density, UNII 2C, BW 10M, CF 5475M, c1, 19dBi

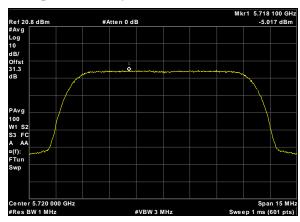


Plot 332. Power Spectral Density, UNII 2C, BW 10M, CF 5600M, c0, 19dBi

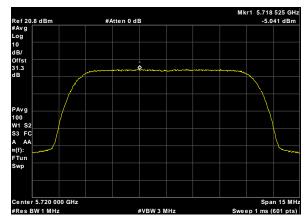




Plot 333. Power Spectral Density, UNII 2C, BW 10M, CF 5600M, c1, 19dBi

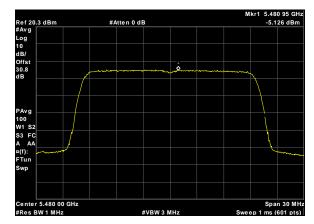


Plot 334. Power Spectral Density, UNII 2C, BW 10M, CF 5720M, c0, 19dBi

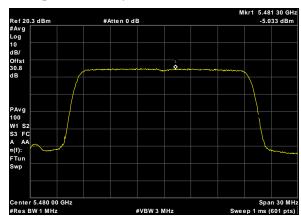


Plot 335. Power Spectral Density, UNII 2C, BW 10M, CF 5720M, c1, 19dBi

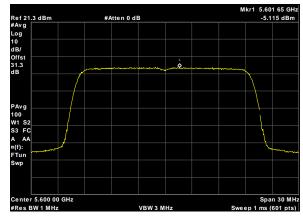




Plot 336. Power Spectral Density, UNII 2C, BW 20M, CF 5480M, c0, 19dBi

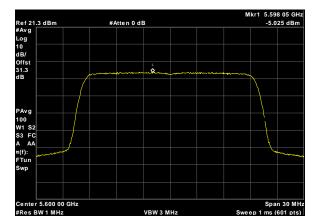


Plot 337. Power Spectral Density, UNII 2C, BW 20M, CF 5480M, c1, 19dBi

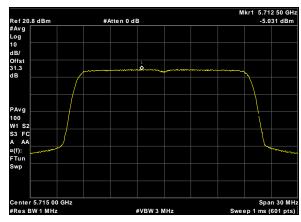


Plot 338. Power Spectral Density, UNII 2C, BW 20M, CF 5600M, c0, 19dBi

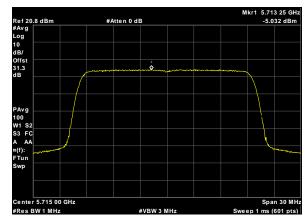




Plot 339. Power Spectral Density, UNII 2C, BW 20M, CF 5600M, c1, 19dBi

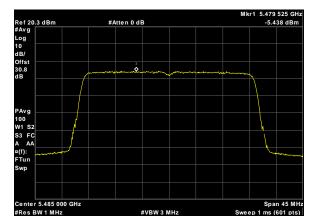


Plot 340. Power Spectral Density, UNII 2C, BW 20M, CF 5715M, c0, 19dBi

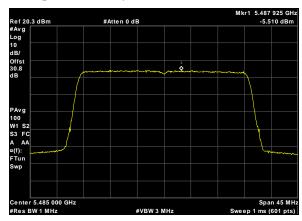


Plot 341. Power Spectral Density, UNII 2C, BW 20M, CF 5715M, c1, 19dBi

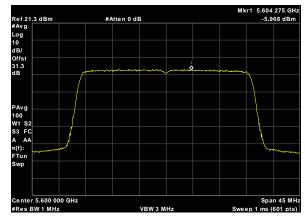




Plot 342. Power Spectral Density, UNII 2C, BW 30M, CF 5485M, c0, 19dBi

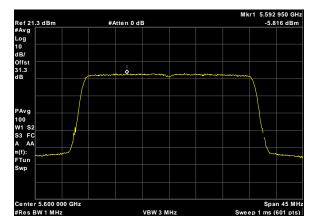


Plot 343. Power Spectral Density, UNII 2C, BW 30M, CF 5485M, c1, 19dBi

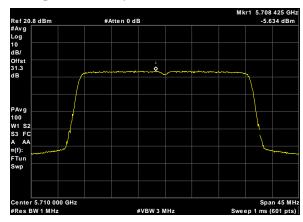


Plot 344. Power Spectral Density, UNII 2C, BW 30M, CF 5600M, c0, 19dBi

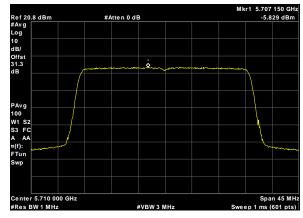




Plot 345. Power Spectral Density, UNII 2C, BW 30M, CF 5600M, c1, 19dBi

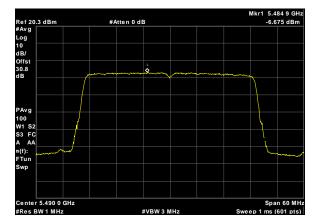


Plot 346. Power Spectral Density, UNII 2C, BW 30M, CF 5710M, c0, 19dBi

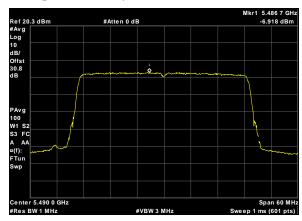


Plot 347. Power Spectral Density, UNII 2C, BW 30M, CF 5710M, c1, 19dBi

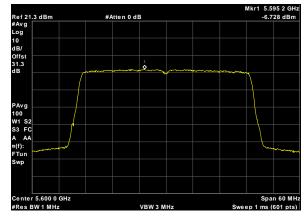




Plot 348. Power Spectral Density, UNII 2C, BW 40M, CF 5490M, c0, 19dBi

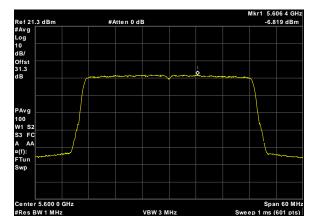


Plot 349. Power Spectral Density, UNII 2C, BW 40M, CF 5490M, c1, 19dBi

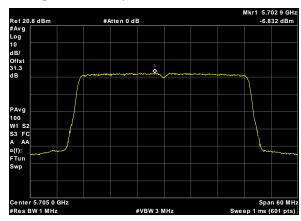


Plot 350. Power Spectral Density, UNII 2C, BW 40M, CF 5600M, c0, 19dBi

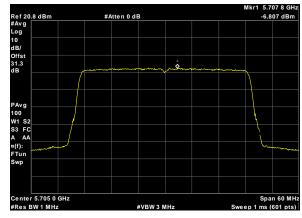




Plot 351. Power Spectral Density, UNII 2C, BW 40M, CF 5600M, c1, 19dBi

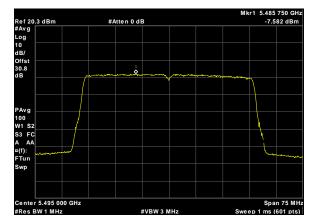


Plot 352. Power Spectral Density, UNII 2C, BW 40M, CF 5705M, c0, 19dBi

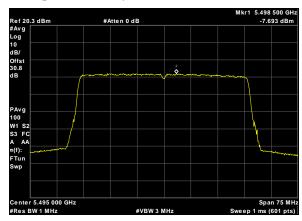


Plot 353. Power Spectral Density, UNII 2C, BW 40M, CF 5705M, c1, 19dBi

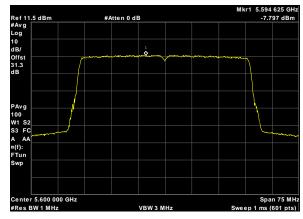




Plot 354. Power Spectral Density, UNII 2C, BW 50M, CF 5495M, c0, 19dBi

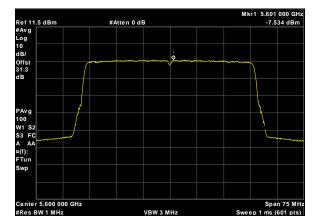


Plot 355. Power Spectral Density, UNII 2C, BW 50M, CF 5495M, c1, 19dBi

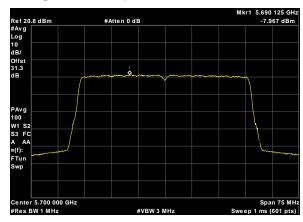


Plot 356. Power Spectral Density, UNII 2C, BW 50M, CF 5600M, c0, 19dBi

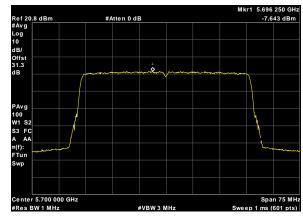




Plot 357. Power Spectral Density, UNII 2C, BW 50M, CF 5600M, c1, 19dBi

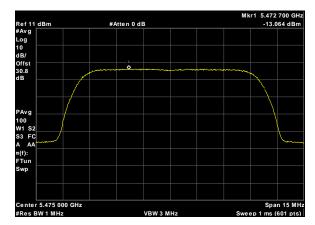


Plot 358. Power Spectral Density, UNII 2C, BW 50M, CF 5700M, c0, 19dBi

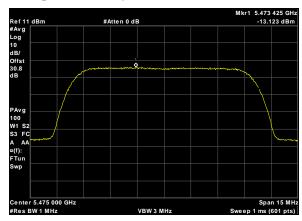


Plot 359. Power Spectral Density, UNII 2C, BW 50M, CF 5700M, c1, 19dBi

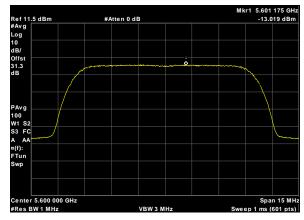




Plot 360. Power Spectral Density, UNII 2C, BW 10W, CF 5475M, c0, 27dBi

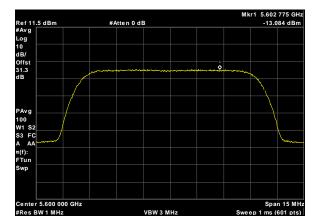


Plot 361. Power Spectral Density, UNII 2C, BW 10W, CF 5475M, c1, 27dBi

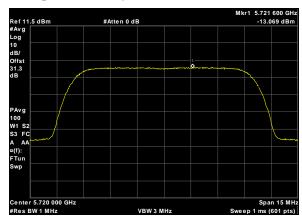


Plot 362. Power Spectral Density, UNII 2C, BW 10W, CF 5600M, c0, 27dBi

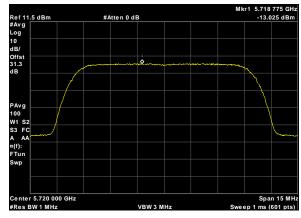




Plot 363. Power Spectral Density, UNII 2C, BW 10W, CF 5600M, c1, 27dBi

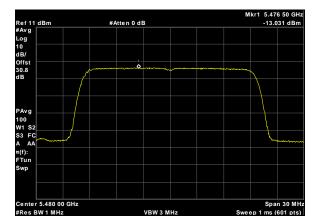


Plot 364. Power Spectral Density, UNII 2C, BW 10W, CF 5720M, c0, 27dBi

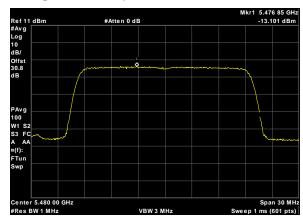


Plot 365. Power Spectral Density, UNII 2C, BW 10W, CF 5720M, c1, 27dBi

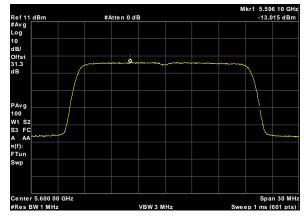




Plot 366. Power Spectral Density, UNII 2C, BW 20W, CF 5480M, c0, 27dBi

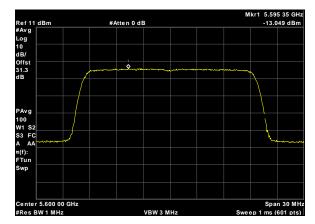


Plot 367. Power Spectral Density, UNII 2C, BW 20W, CF 5480M, c1, 27dBi

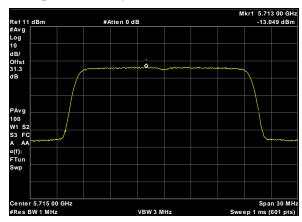


Plot 368. Power Spectral Density, UNII 2C, BW 20W, CF 5600M, c0, 27dBi

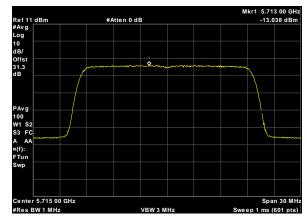




Plot 369. Power Spectral Density, UNII 2C, BW 20W, CF 5600M, c1, 27dBi

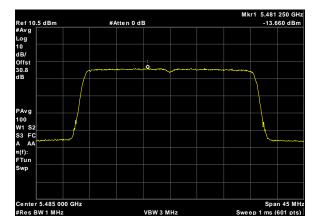


Plot 370. Power Spectral Density, UNII 2C, BW 20W, CF 5715M, c0, 27dBi

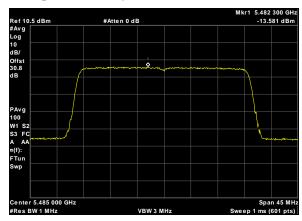


Plot 371. Power Spectral Density, UNII 2C, BW 20W, CF 5715M, c1, 27dBi

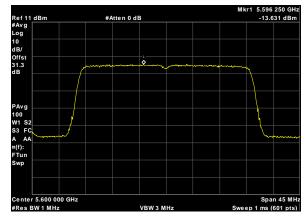




Plot 372. Power Spectral Density, UNII 2C, BW 30W, CF 5485M, c0, 27dBi

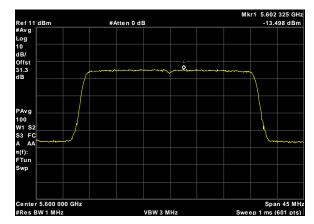


Plot 373. Power Spectral Density, UNII 2C, BW 30W, CF 5485M, c1, 27dBi

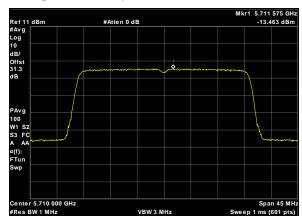


Plot 374. Power Spectral Density, UNII 2C, BW 30W, CF 5600M, c0, 27dBi

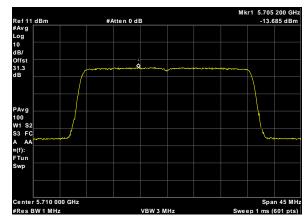




Plot 375. Power Spectral Density, UNII 2C, BW 30W, CF 5600M, c1, 27dBi

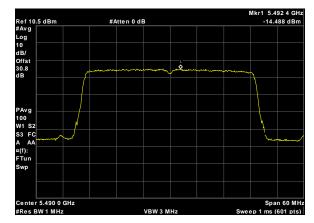


Plot 376. Power Spectral Density, UNII 2C, BW 30W, CF 5710M, c0, 27dBi

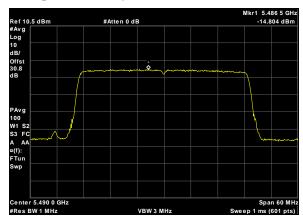


Plot 377. Power Spectral Density, UNII 2C, BW 30W, CF 5710M, c1, 27dBi

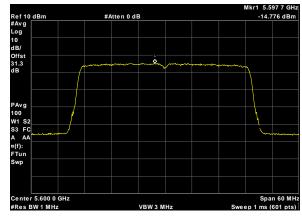




Plot 378. Power Spectral Density, UNII 2C, BW 40W, CF 5490M, c0, 27dBi

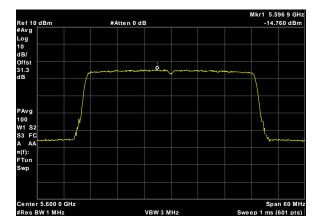


Plot 379. Power Spectral Density, UNII 2C, BW 40W, CF 5490M, c1, 27dBi

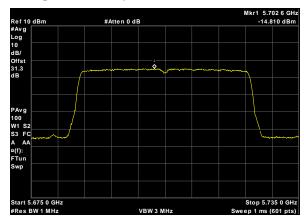


Plot 380. Power Spectral Density, UNII 2C, BW 40W, CF 5600M, c0, 27dBi

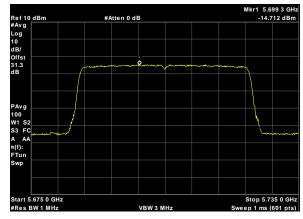




Plot 381. Power Spectral Density, UNII 2C, BW 40W, CF 5600M, c1, 27dBi

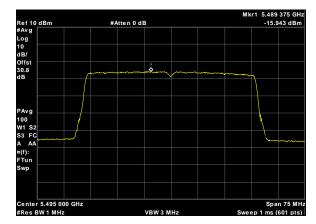


Plot 382. Power Spectral Density, UNII 2C, BW 40W, CF 5705M, c0, 27dBi

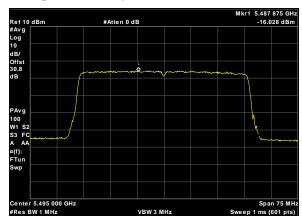


Plot 383. Power Spectral Density, UNII 2C, BW 40W, CF 5705M, c1, 27dBi

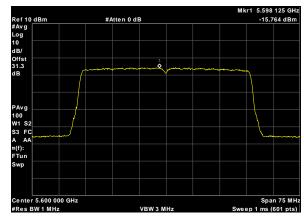




Plot 384. Power Spectral Density, UNII 2C, BW 50W, CF 5495M, c0, 27dBi

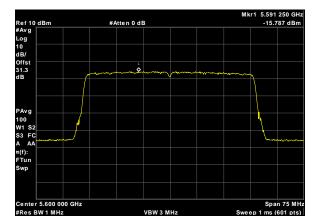


Plot 385. Power Spectral Density, UNII 2C, BW 50W, CF 5495M, c1, 27dBi

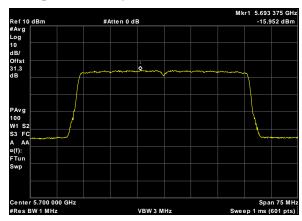


Plot 386. Power Spectral Density, UNII 2C, BW 50W, CF 5600M, c0, 27dBi

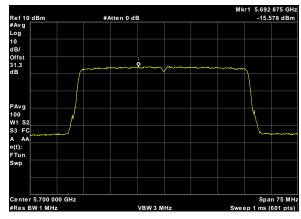




Plot 387. Power Spectral Density, UNII 2C, BW 50W, CF 5600M, c1, 27dBi



Plot 388. Power Spectral Density, UNII 2C, BW 50W, CF 5700M, c0, 27dBi



Plot 389. Power Spectral Density, UNII 2C, BW 50W, CF 5700M, c1, 27dBi



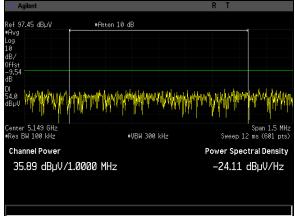
## **Electromagnetic Compatibility Criteria for Intentional Radiators**

## 15.407(b)(2-3) & (6-7) Undesirable Emissions

Test Requirements:	<b>§ 15.407(b)(2):</b> For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
	<b>§ 15.407(b)(3):</b> For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
	<b>§ 15.407(b)(6):</b> Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in Section 15.207.
	<b>§ 15.407(b)(7):</b> The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.
Test Procedure:	The EUT was placed on a non-conducting stand on a turntable in a chamber. To find the maximum emission the EUT was set to transmit on low, mid, and high channels. Additionally, the turntable was rotated 360 degrees, the EUT was oriented through its three orthogonal axes, and the receive antenna height was varied in order to maximize emissions.
	For frequencies from 30 MHz to 1 GHz, measurements were first made using a peak detector with a 100 kHz resolution bandwidth. Emissions which exceeded the limits were re-measured using a quasi-peak detector with a 120 kHz resolution bandwidth.
	Above 1 GHz, measurements were made pursuant the method described in FCC KDB 789033 D02 General UNII Test Procedure New Rules v01. The equation, <b>EIRP=E + 20 log D – 104.8</b> was used to convert field strength to EIRP ( <b>E</b> = field strength (dB $\mu$ V/m) and <b>D</b> = Reference measurement distance).
	For emissions above 1 GHz and in restricted bands, measurements of the field strength were made with a peak detector and an average detector and compared with the limits of 15.209.
	As an alternative, according to FCC KDB 789033 D02 General UNII Test Procedure New Rules v01, all emissions above 1 GHz that comply with the peak and average limits of 15.209 satisfy the requirements of unwanted emissions in 15.407.
Test Results:	For emissions below 1 GHz, the EUT was compliant with the requirements of this section. The worst case configuration is used to show compliance with the requirements.
	For emissions above 1 GHz, the EUT was compliant with the requirements of this section. Plots for band-edge measurements account for cable loss, antenna and distance correction factors.
	Measured emissions were within applicable limits. Above 18GHz, only noise floor was seen.
Test Engineer(s):	Donald Salguero
Test Date(s):	November 2, 2017



## **Undesirable Emissions, Radiated Bandedge**



Plot 390. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 10M, CF 5255M, 13dBi

🔆 Agilent			RT	
Ref 97.45 dBµV	#Atten 10 dB			
*Avg Log 10 dB/ offst -9.54 dB				*
	walikahulaan fulan di sa	a which which have	n mar an	MAY MAY
Center 5.149 GHz Res BW 100 kHz	•VBW 300	) kHz	Sweep 1	Span 1.5 MHz 2 ms (601 pts)
Channel Power		P	ower Spec	tral Density
36.42 dBµV/	1.0000 MHz		-23.58	dBµV/Hz

Plot 391. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 20M, CF 5260M, 13dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log		
10		
dB/ Offst		
-9.54 dB		
	androutpantalla and and	and Mild Lyddian and
Center 5.149 GHz ≢Res BW 100 kHz	⊭VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
35.51 dBµV/1.00	000 MHz	–24.49 dBµV/Hz

Plot 392. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 30M, CF 5265M, 13dBi

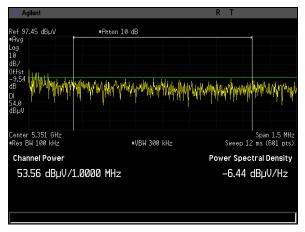


🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log		
10 dB/		
0ffst -9.54		
dB		
	uhundu dahlangalaana ankana kana kana kana kana kana k	new word and an arrive
Center 5.149 GHz Res BW 100 kHz	₩VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
35.87 dBµV/:	1.0000 MHz	–24.13 dBµV/Hz

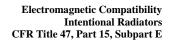
Plot 393. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 40M, CF 5270M, 13dBi

🗮 Agilent		RT	
Ref 97.45 dBµV	#Atten 10 dB		
*Avg Log			
10 dB/			
Offst			
-9.54 dB			
DI 54.0 dBµV	unahlahan and Malla	ulin haan managina ar an	uningunun
Center 5.149 GHz •Res BW 100 kHz	*VBW 300 kHz	Sweep 12	Span 1.5 MHz ms (601 pts)
Channel Power		Power Spect	ral Density
38.30 dBµV/	1.0000 MHz	-21.70 c	BµV/Hz

Plot 394. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 50M, CF 5275M, 13dBi



Plot 395. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 10M, CF 5345M, 13dBi





🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
+Avg Log 10 dB/ 0ffst -9.54	h dha bataa afa tiyaa aa aa aa aa aa dh	
dB DI 54.0 dBµV	udular anglologi dalaming dala Ingla dalaming dalamin	handogen an
Center 5.351 GHz •Res BW 100 kHz	∗VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
52.59 dBµV/1	1.0000 MHz	-7.41 dBµV/Hz

Plot 396. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 20M, CF 5340M, 13dBi

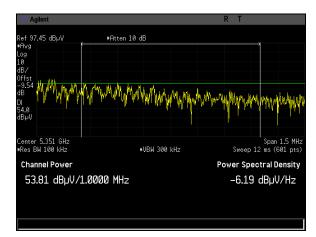
💥 Agilent		RT	
Ref 97.45 dBµV	#Atten 10 dB		
#Avg Log			
10 dB/			
-9.54	المتعام المتعادية المتعادية المتعام الم		L I
dB PLP MAY	l yangaling hili yang talimina ha pala ang tala	h.Maradrahan Madalahan	WW
54.0 dBµV			
Center 5.351 GHz •Res BW 100 kHz	♦VBW 300 kHz	Span 1.5 Sweep 12 ms (601	
Channel Power		Power Spectral Dens	sity
53.47 dBµV/.	1.0000 MHz	–6.53 dBµV/⊦	z

Plot 397. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 30M, CF 5335M, 13dBi

💥 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log 10 dB/ Offst	K	
–9.54 dB DI 54.0 dBµV	hteleanthallaimteolaitealaitealaitealainealainea	en van den het den
Center 5.351 GHz Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.29 dBµV/	1.0000 MHz	-6.71 dBµV/Hz

Plot 398. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 40M, CF 5330M, 13dBi





Plot 399. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 50M, CF 5325M, 13dBi

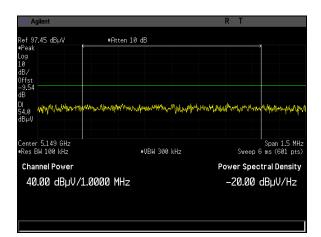
💥 Agilent		RT	
Ref 97.45 dBµV	#Atten 10 dB		
≢Peak		, and the second	
Log 10			
dB/			
-9.54			
dB			
	he multimethic and antition portraining to	and the property and the second s	han he abalander
dBµV			
Center 5.149 GHz			
Res BW 100 kHz	#VBW 300 kHz		òpan 1.5 MHz ns (601 pts)
Channel Power		Power Spectr	al Density
39.99 dBµV/1	.0000 MHz	-20.01 d	3⊔V/Hz

Plot 400. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 10M, CF 5255M, 13dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
*Peak Log 10 dB/ 0ffst -9.54 dB		
DI <b>(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</b>	where where the the state of th	nyyumh/MMMU/Mhuhad/Anyuhingipudiny
Center 5.149 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
40.63 dBµV/	/1.0000 MHz	–19.43 dBµV/Hz

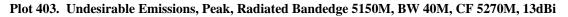
Plot 401. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 20M, CF 5260M, 13dBi





Plot 402. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 30M, CF 5265M, 13dBi

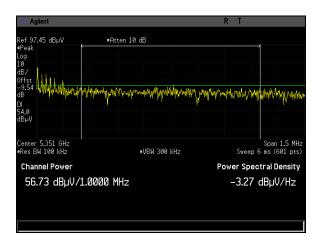
💥 Agilent		RT	
Ref 97.45 dBµV	#Atten 10 dB		
≢Peak			
Log 10			
dB/			
-9.54			
dB			
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dBµV			
Center 5.149 GHz •Res BW 100 kHz	*VBW 300 kHz	Span 1.5 Sweep 6 ms (601 p	
Channel Power		Power Spectral Dens	ity
39.87 dBµV/	1.0000 MHz	–20.13 dBµV/H	Z
			_



🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
Heak Log 10 dB/ 0ffst -9.54 dB		
	wannadigethandrinerandurrineranahr	wilyinging when you the second second
Center 5.149 GHz Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
41.64 dBµV/	1.0000 MHz	–18.36 dBµV/Hz

Plot 404. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 50M, CF 5275M, 13dBi





Plot 405. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 10M, CF 5345M, 13dBi

	RT	
#Atten 10 dB		
Worky Many my methors where	woodstar by manufacture and ph	www.hudu
	· · · · · · ·	
₩VBW 300 kHz		1.5 MHz 601 pts)
	Power Spectral D	ensity
0 MHz	–4.20 dBµl	//Hz
	uha pha Nanjina parta paga ta	WWWWWWWWWWWWWWWWWWWWWWWWWWWWW WWWWWWWW

Plot 406. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 20M, CF 5340M, 13dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Peak Log 10	witten 10 db	
dB/ Offst -9.54		
dB Y Y Y Y Y WY	www.apparentation.com/whereapparentation	ANN AND MARK AND
DI 54.0 dBµV		
Center 5.351 GHz		Span 1.5 MHz
Res BW 100 kHz	#VBW 300 kHz	opan 1.5 mHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.16 dBµV/1.	0000 MHz	-3.84 dBµV/Hz

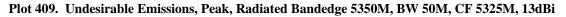
Plot 407. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 30M, CF 5335M, 13dBi

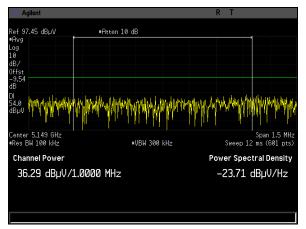


🔆 Agilent		RT
Ref 97.45 dBµV ≢Peak	#Atten 10 dB	
Log		
10 dB/ Offst ultrabaski, t. d. t		
-9.54	MMM Manus MMM Manus M	with antoine and an and an and an and an
34.0	1	
dBµV		
Center 5.351 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.33 dBµV/	1.0000 MHz	−2.45 dBµV/Hz

Plot 408. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 40M, CF 5330M, 13dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
*Peak		1
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dB/		
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-9.54	Manhar Andrew Manhard Manader	Www.udak. Iso. Antarista and Article and Article
DI	i i i i i i i i i i i i i i i i i i i	u
54.0 dBµV		
dbpv		
C		
Center 5.351 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.01 dBµV/1	.0000 MHz	–2.99 dBµV/Hz





Plot 410. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 10M, CF 5255M, 19dBi

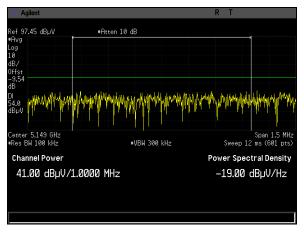


🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log		
10 dB/		
Offst -9.54		
dB		
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Center 5.149 GHz Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
37.51 dBµV/	1.0000 MHz	–22.49 dBµV/Hz

Plot 411. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 20M, CF 5260M, 19dBi

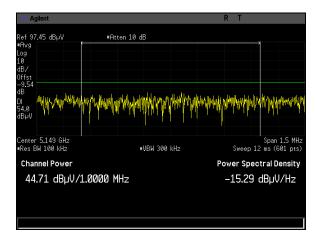
🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log		
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dB/ Offst		
-9.54		
dB DI ututu standar		
54.0 dBµV	while the second and all with the	uhulqulla, an
Center 5.149 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
37.86 dBµV/1.00	200 MHz	–22.14 dBµV/Hz

Plot 412. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 30M, CF 5265M, 19dBi



Plot 413. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 40M, CF 5270M, 19dBi





Plot 414. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 50M, CF 5275M, 19dBi

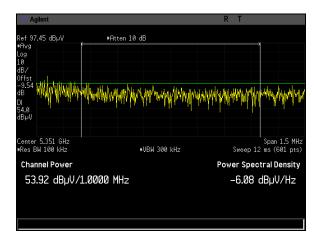
💥 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg * Log		
10 dB/ Offst		
-9.54 dB DI 54.0 dBµV	and the second second	unisanhikhi dampikanhahan
0000		
Center 5.351 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.04 dBµV/1	.0000 MHz	–6.96 dBµV/Hz

Plot 415. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 10M, CF 5345M, 19dBi

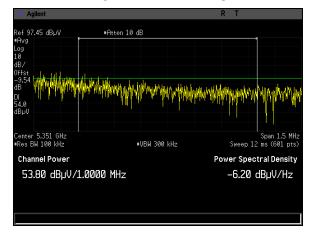
💥 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg ** Log 10 dB/ 0ffst		
–9.54 dB DI 54.0 dBµV	lawilikipinyalikipawanika najhilikip	ut falanan tha thailing he
Center 5.351 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.13 dBµV/1	.0000 MHz	–6.87 dBµV/Hz

Plot 416. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 20M, CF 5340M, 19dBi

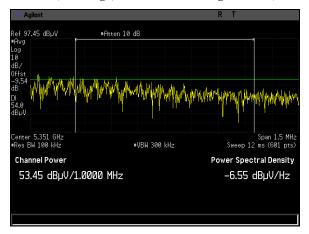




Plot 417. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 30M, CF 5335M, 19dBi

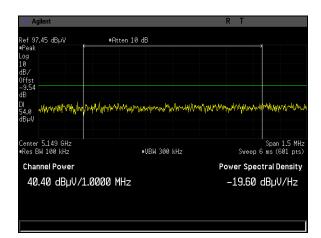


Plot 418. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 40M, CF 5330M, 19dBi



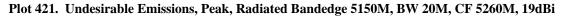
Plot 419. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 50M, CF 5325M, 19dBi





Plot 420. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 10M, CF 5255M, 19dBi

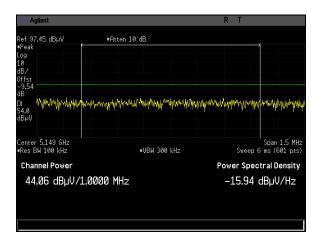
🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
*Peak K		
10		
dB/ Offst		
-9.54 dB		
	enny henny h	Manufalarah Jan Juan Manuari
Center 5.149 GHz		Span 1.5 MHz
•Res BW 100 kHz	♥VBW 300 kHz	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
40.96 dBµV/1.000	00 MHz	–19.04 dBµV/Hz



🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
■Peak Log 10 dB/ 0ffst 		
	han han an a	and and a second and a second
Center 5.149 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
41.48 dBµV/	1.0000 MHz	–18.52 dBµV/Hz

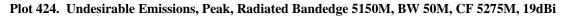
Plot 422. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 30M, CF 5265M, 19dBi





Plot 423. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 40M, CF 5270M, 19dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Peak K		
10		
dB/ Offst		
-9.54		
DI MV/M/Wh/M/M/M/M/M/	annan an a	hymrod han an a
54.0 dBµV		
Center 5.149 GHz •Res BW 100 kHz	+VBW 300 kHz	Span 1.5 MHz
	WYDW SUU KHZ	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
47.46 dBµV/1.000	00 MHz	–12.54 dBµV/Hz



🔆 Ag	gilent									F	2	Т				
	'.45 dBµV			#Atten	10 di											
≢Peak Log 10																
dB/ Offst	ul h.a.															
-9.54 dB	vada Wela Navi	NW/MY	manin	Amany	∧/µľ	handaha	April 12	ww	WY	M/MM	MM	Whit	Μγ	mytal	hyryv	Whe
DI 54.0 dBµV																
	5.351 GH 3W 100 kH				*	VBW 30	0 kHz					Swee	р 6	Span ms (B		
Char	nnel Pow	/er								Po	wei	r Sp	ec	tral D	ensi	ty
56	.12 dB	μν/1	0000	) MHz	2						-	3.8	8 0	зΒhr	)/H;	Ζ

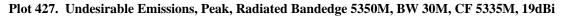
Plot 425. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 10M, CF 5345M, 19dBi



🔆 Agilent		RT
Ref 97.45 dBµV Peak Log 10 dB/ Offst -9.54 dB DI 54.0 dB/ DI 54.0 dB/ V	•Atten 10 dB	n management
Center 5.351 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.34 dBµV/1	L.0000 MHz	–3.66 dBµV/Hz

Plot 426. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 20M, CF 5340M, 19dBi

	RT	
Atten 10 dB		
Manual and the production of the second states	www.handan.lanna.anda	YMWW/WA
1 1 11	· · · · · · · ·	
₩VBW 300 kHz		1.5 MHz 601 pts)
	Power Spectral D	ensity
MHz	–3.09 dBµl	//Hz
	малалариана NBH 300 kHz	itten 10 dB ۱۹۹۹ ۲۹۹۹ ۲۹۹۹ ۲۹۹۹ ۲۹۹۹ ۲۹۹۹ ۲۹۹۹ ۲۹۹۹



🔆 Agile	ent				R	Т		
Ref 97.4	IS dBµV	#Atten 10	dB					
≢Peak Log 10								
dB/	ullhha kha							
-9.54 dB	A MANANA MAN	hay with the second second	annal halana	Manapanahan	mport	www	Wildow	white
DI 54.0 dBµV								
Center 5 •Res BW	5.351 GHz 100 kHz		#VBW 300 k	Hz		Sweep 6	Span 1 ms (60	
Chann	iel Power				Powe	r Spec	tral De	nsity
57.6	6 <u>3</u> dBµV/1	L.0000 MHz			_	2.37 (	звµ∨∕	Ήz

Plot 428. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 40M, CF 5330M, 19dBi



🔆 Agilent		RT
Ref 97.45 dBµV •Peak Log 10 dB/ Offst -9.54 dB DI	+Atton 10 dB	yMmytrugumentalingady.com/hod
54.0 dBµV Center 5.351 GHz		Span 1.5 MHz
•Res BW 100 kHz Channel Power 57.09 dBµV/:	•VBN 300 kHz 1.0000 MHz	Sweep 6 ms (601 pts) Power Spectral Density –2.91 dBµV/Hz

Plot 429. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 50M, CF 5325M, 19dBi

🔆 Agilent		RT	
Ref 98.68 dBµV	Atten 15 dB		
#Avg Log			
10 dB/ Offst			
–9.54 dB			
	New Manufacture and Annual	ph. spectra participation	upp1/144
Center 5.149 GHz			Span 1.5 MHz
•Res BW 100 kHz	#VBW 300 kHz	Sweep 12	ms (601 pts)
Channel Power		Power Spect	ral Density
39.32 dBµV/	1.0000 MHz	–20.68 d	BµV/Hz

Plot 430. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 10M, CF 5255M, 27dBi

🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Avg Log 10 dB/ Offst  dB		
	al filia thaing an	uhumuhuhhahaahahuhuhuhu
Center 5.149 GHz Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
39.96 dBµV/	/1.0000 MHz	–20.04 dBµV/Hz

Plot 431. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 20M, CF 5260M, 27dBi



🔆 Agilent		R T
Ref 98.68 dBµV	Atten 15 dB	
#Avg Log		
10 dB/		
0ffst -9.54		
dB		
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Center 5.149 GHz		Span 1.5 MHz
Res BW 100 kHz	#VBW 300 kHz	Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
40.47 dBµV/:	1.0000 MHz	–19.53 dBµV/Hz

Plot 432. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 30M, CF 5265M, 27dBi

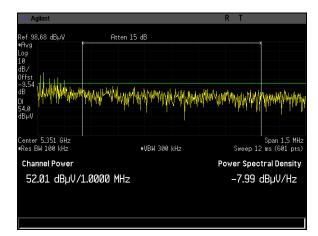
🔆 Agilent		R	т
Ref 98.68 dBµV	Atten 15 dB		
=Avg Log	K		
10 dB/			
Offst			
-9.54 dB			
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Center 5.149 GHz •Res BW 100 kHz	#VBW 300 kH	z S	Span 1.5 MHz weep 12 ms (601 pts)
Channel Power		Powe	r Spectral Density
39.87 dBµV/	1.0000 MHz	-2	0.13 dBµV/Hz

Plot 433. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 40M, CF 5270M, 27dBi

🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Avg Log 10 dB/ Offst -9.54 dB		
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Center 5.149 GHz •Res BW 100 kHz	*VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
41.57 dBµV/	1.0000 MHz	–18.43 dBµV/Hz

Plot 434. Undesirable Emissions, Average, Radiated Bandedge 5150M, BW 50M, CF 5275M, 27dBi

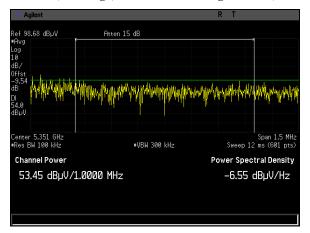




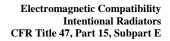
Plot 435. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 10M, CF 5345M, 27dBi

🗮 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Avg Log		
10 dB/		
-9.54		all a la l
dB DI	Maryon and any the approximation of the	MANANANA ALAMANANA ANA
54.0 dBµV		
Center 5.351 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.70 dBµV/:	1.0000 MHz	–6.30 dBµV/Hz

Plot 436. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 20M, CF 5340M, 27dBi



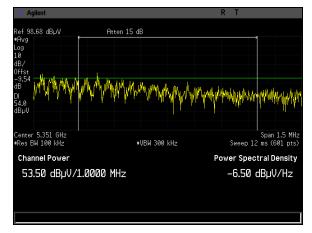
Plot 437. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 30M, CF 5335M, 27dBi





🔆 Agilent		RT
Ref 98.68 dBµV +Avg Log 10 dB/ 0ffst -9.54	Atten 15 dB	
DI 54.0 dBµV Center 5.351 GHz	n den uite na seis self den den verderen perder	AWAY TAMAYA AMARANANA ANANANANANA
•Res BW 100 kHz	+VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.66 dBµV/	1.0000 MHz	−6.54 dBµV/Hz

Plot 438. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 40M, CF 5330M, 27dBi



Plot 439. Undesirable Emissions, Average, Radiated Bandedge 5350M, BW 50M, CF 5325M, 27dBi

🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
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dB/ Offst		
-9.54 dB		
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Center 5.149 GHz		Span 1.5 MHz
•Res BW 100 kHz	#VBW 300 kHz	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
43.39 dBµV/1.	.0000 MHz	–16.61 dBµV/Hz

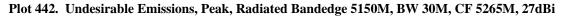
Plot 440. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 10M, CF 5255M, 27dBi



🔆 Agilent		RT	
Ref 98.68 dBµV	Atten 15 dB		
#Peak Log			
10			
dB/ Offst			
-9.54 dB			
	an and the service with the particular parti	mahammanapathapathapath	MANAN
dBµV			
Center 5.149 GHz •Res BW 100 kHz	₩VBW 300 kHz	Span Sweep 6 ms (6	1.5 MHz 01 pts)
Channel Power		Power Spectral D	ensity
43.61 dBµV/1.0	000 MHz	–16.39 dBµV	/Hz

Plot 441. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 20M, CF 5260M, 27dBi

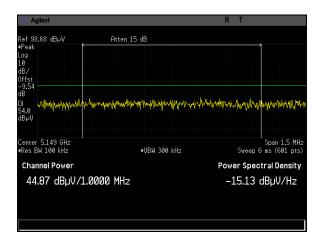
🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Peak		
Log 10		
dB/		
-9.54		
dB		
DI 1000000000000000000000000000000000000	waamaanaanaanaanaanaanaanaanaa	kraeldauraunspackraeldeldenaurthadeler
Center 5.149 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
43.15 dBµV/1	L.0000 MHz	–16.85 dBµV/Hz

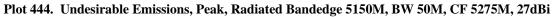


🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
#Peak Log 10 dB/	K	
0ffst -9.54 dB		
DI WWA/WWW/WW 54.0 dBpV	hrende het het het het het het het het het he	edimikada politimenta (kalimana)
Center 5.149 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
43.61 dBµV/	1.0000 MHz	–16.39 dBµV/Hz

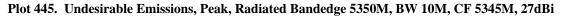
Plot 443. Undesirable Emissions, Peak, Radiated Bandedge 5150M, BW 40M, CF 5270M, 27dBi







🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
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dB/ Offst		
-9.54	Mann Munny My My Mann Mann Annya	White as APAR Anna Arta and an
DI 54.0	drugt dir d a tar t	and do to do to a stand the order.
dBµV		
Center 5.351 GHz •Res BW 100 kHz	*VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
55.00 dBµV/1.000	00 MHz	–5.00 dBµV/Hz



🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
≢Peak Log 10		
dB/ Offst		
	Phantanapana yangangan pangangan na ph	Minily American Mining Mining approximation of the
DI 54.0 dBµV		
C . E 251 OU		0 4 F MI
Center 5.351 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.36 dBµV.	/1.0000 MHz	–3.64 dBµV/Hz

Plot 446. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 20M, CF 5340M, 27dBi



💥 Agilent		RT
Ref 98.68 dBµV *Peak Log dB/ dB/ dFst -9.54 dB/ DI 54.0 dB/ dB/ V	Atten 15 dB	handrahan gundhandan gu
Center 5.351 GHz Res BW 100 kHz Channel Power	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts) Power Spectral Density
55.68 dBµV/	1.0000 MHz	-4.32 dBµV/Hz

Plot 447. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 30M, CF 5335M, 27dBi

🔆 Agilent		RT
Ref 98.68 dBµV ≢Peak	Atten 15 dB	
Log 10 dB/		
Offer and	and the party the second of th	Myinadahana yakhanna kalana kana kalana kalana kala kala
DI 54.0 dBµV		. La carle de la
Center 5.351 GHz •Res BW 100 kHz	•VBW 300 k⊦	Span 1.5 MHz z Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.49 dBµV/	1.0000 MHz	–2.59 dBµV/Hz
,		

Plot 448. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 40M, CF 5330M, 27dBi

💥 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Peak Log 10 dB/		
0ffst -9.54 dB DI 54.0	yhdynymdaegyddigdydd ymfyraeth	MWMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
dB⊬V		
Center 5.351 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.09 dBµV/	1.0000 MHz	–2.91 dBµV/Hz

Plot 449. Undesirable Emissions, Peak, Radiated Bandedge 5350M, BW 50M, CF 5325M, 27dBi



🔆 Agilent		RT
Ref 2.23 dBm #Peak	#Atten 10 dB	
Log 10 dB/ 0ffst 2.23 dB	nerword model and a strange of the second	approximately and a second
DI -27.0 dBm		
Center 5.726 GHz Res BW 100 kHz	«VBW 300 kHz	Span 1.5 MH: Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-27.21 dBm /1.	0000 MHz	-87.21 dBm/Hz

Plot 450. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 10M, CF 5720M, 13dBi

	RT	
10 dB		
hereballe the Archite base in	W	
di unatiati A hiddhi And Mu	, akhebut aradi, dhatardi. Abara a b	nd and
-UPU 200 LU-	Span 1.5	
WVDW SUU KHZ		
	Power Spectral Den	sity
2	-87.90 dBm/H	z
	10 dB ////////////////////////////////////	10 dB ////////////////////////////////////

Plot 451. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 20M, CF 5715M, 13dBi

🔆 Agilent		R	Т
Ref 2.23 dBm	#Atten 10 dB		
#Peak Log			
10 dB/			
Offst AMAMANA 2.23 dB	MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	My hypowner wy hopening	WM paper was a provident of the
DI			
-27.0 dBm			
Center 5.726 GHz •Res BW 100 kHz	•VBW 300	(Hz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Poy	ver Spectral Density
-28.23 dBm /	1.0000 MHz		-88.23 dBm/Hz

Plot 452. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 30M, CF 5710M, 13dBi

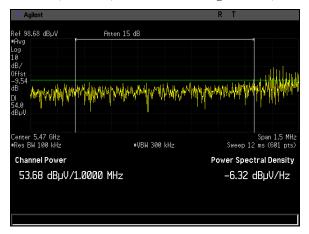


🔆 Agilent		RT
Ref 2.23 dBm	#Atten 10 dB	
⊧Peak ←		
.0 IB/		
Dffst 2.23 IB	application of the second of the	han an a
DI -27.0 HBm		
Center 5.726 GHz Res BW 100 kHz	<b>∗VBW 300 kHz</b>	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
	.0000 MHz	-87.67 dBm/Hz

Plot 453. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 40M, CF 5705M, 13dBi

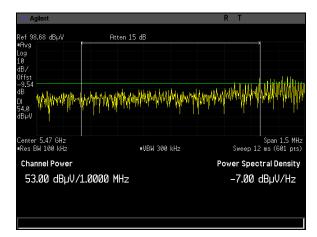
🔆 Agilent		RT
Ref 2.23 dBm	#Atten 10 dB	
*Peak K		
10		
0ffst ///////////////////////////////////	any Manufacture and the sea have	when were and the second second second
		الحصابية وبالأليط يتعيم المتعارية
DI -27.0		
dBm		
Center 5.726 GHz		Span 1.5 MHz
•Res BW 100 kHz	#VBW 300 kHz	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-27.69 dBm /1	.0000 MHz	-87.69 dBm/Hz

Plot 454. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 50M, CF 5700M, 13dBi



Plot 455. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 10M, CF 5475M, 13dBi

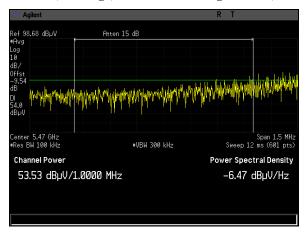




Plot 456. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 20M, CF 5480M, 13dBi

🔆 Agilent						R	Т		
Ref 98.68 dE	ЗµV	Att	en 15 dB						
≢Avg Log								1	
10 dB/									
0ffst -9.54 dB			ales di c	6. h			.h.th.c.hidd		Wall
DI 101	MMMM W	white white	permany	WWW	raproper	MAP APP	ANA	arahhh	linku, Militi
dBµV									
Center 5.47	GH-2							Span	1.5 MHz
Res BW 100			*VBW	300 kHz			Sweep 1		
Channel P	ower					Pow	er Spec	etral D	ensity
53.91	dBµV∕	1.0000 M	Hz			-	-6.09	dBµ∖	V∕Hz

Plot 457. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 30M, CF 5485M, 13dBi



Plot 458. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 40M, CF 5490M, 13dBi



🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
*Avg Log		
10 dB/		
Offst		المريد فريد والمريد
dB	her me to de sole tablede and all offer M.	MALAMAA AMAA AMAA
DI 10 10 10 10 10 10 10 10 10 10 10 10 10	hime the second s	the desired of a distribution
dBµV		
Center 5.47 GHz		Seen 1 E Mile
•Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.32 dBµV/1.	0000 MHz	–6.68 dBµV/Hz

Plot 459. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 50M, CF 5495M, 13dBi

🔆 Agilent							RT		
Ref 98.68 d	∃BµV	f	itten 15 d	B					
≢Peak Log 10 dB/ 0ffst −9.54								1.41.44	u.a.lll
dB DI	ylpwywyw)	Valudyalana	manpp	human	hope when the	Angle Ang Angle Angle Angl	w~Y~MM	Virkniladid	Alkandla i i
54.0 dBµV									
Center 5.47 Res BW 10				VBW 300	kHz		Sweep		1.5 MHz 601 pts)
Channel	Power					Po	wer Spe	ctral D	ensity
56.01	dBµV∕.	1.0000	MHz				-3.99	dBh≀	I/Hz

Plot 460. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 10M, CF 5475M, 13dBi

🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
#Peak Log 10 dB/		
Offst		A MARKEN AND A CONTRACT OF A
34.0	AHAMMANNA MANANANA MANANAAAAAAAAAAAAAAAA	www.dwwlatewwahahananahananahahananana
dBµV		
Center 5.47 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.46 dBµV/	1.0000 MHz	-3.54 dBµV/Hz

Plot 461. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 20M, CF 5480M, 13dBi



🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
#Peak Log		
10 dB/ 0ffst		
-9.54 dB ANLANANAMATA J	naamilian amaa amaa ka hada ka adaa ayaa ahaa ahaa ahaa ahaa ahaa aha	www.entywwy.https/https/https/https/https/
DI 54.0	en el cata de las estelas de las	
dBµV		
Center 5.47 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.74 dBµV/	1.0000 MHz	–3.26 dBµV/Hz

Plot 462. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 30M, CF 5485M, 13dBi

🔆 Agilent		RT	
Ref 98.68 dBµV	Atten 15 dB		
*Peak			Ì
Log 10			
dB/ Offst			
-9.54		A . A . A A MARKAN WINA	New Way way
dB MWWWWW	ndragonantariainateringthia	WWWWWWWWWWWWWWWW	NUT I I
34.0			
dBµV			
Center 5.47 GHz			Span 1.5 MHz
Res BW 100 kHz	₩VBW 300 kH	z Śweep	6 ms (601 pts)
Channel Power		Power Spe	ctral Density
56.63 dBµV/1	.0000 MH <del>2</del>	-3.37	dBµV/Hz
		0.01	dept/ niz

Plot 463. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 40M, CF 5490M, 13dBi

🔆 Agilent		RT
Ref 98.68 dBµV	Atten 15 dB	
#Peak Log		
10		
dB/		
0ffst -9.54		the superior and the second
dB WWWWWWWW	nyunyunyunyunyunyunyunyu	e. Ale is durbur de la Alexa 👘 🔒 👘
DI (1997) 1997 (1997) 54.0	An additional for the second	
dBµV		
Center 5.47 GHz		Span 1.5 MHz
•Res BW 100 kHz	⇔VBW 300 kHz	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.81 dBµV/1	.0000 MHz	–3.19 dBµV/Hz

Plot 464. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 50M, CF 5495M, 13dBi



🔆 Agilent		RT
Ref 2.23 dBm ≢Peak	#Atten 10 dB	
Log L0 dB/ Dffst	handan ang kang kang kang kang kang kang kan	under dienen werden alle entrie alle entrie aus die eine au
2.23 dB DI -27.1 dBm	k a . a di Wallou di a dan di di a da	
Center 5.726 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-28.19 dBm /1.	аааа мну	-88.19 dBm/Hz

Plot 465. Undesirable Emissions, -27dBm, Radiated Bandedge, 5725M, BW 10M, CF 5720M, 19dBi

🔆 Agilent		R T
Ref 2.23 dBm	#Atten 10 dB	
#Peak Log		
10 dB/ Offst	waterware waterware waterware	1 Antiber March 10 1000 march to a level in the other
uр	ele e ara calle cura l'erte llad	ca hid ada a hadhah sa anda bhadhasa) ikisa
DI -27.0 dBm		
Center 5.726 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-27.95 dBm /:	1.0000 MHz	-87.95 dBm/Hz

Plot 466. Undesirable Emissions, -27dBm, Radiated Bandedge, 5725M, BW 20M, CF 5715M, 19dBi

🔆 Agilent		RT
Ref 2.23 dBm	#Atten 10 dB	
*Peak Log 10 dB/	arðalaðið er blei ei s	
Offst AMATAN AND AND AND AND AND AND AND AND AND A	ellada molana more contra	Andersky report and remaining and the
DI -27.0 dBm		
Center 5.726 GHz •Res BW 100 kHz	+VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-27.69 dBm /1	.0000 MHz	-87.69 dBm/Hz

Plot 467. Undesirable Emissions, -27dBm, Radiated Bandedge, 5725M, BW 30M, CF 5710M, 19dBi

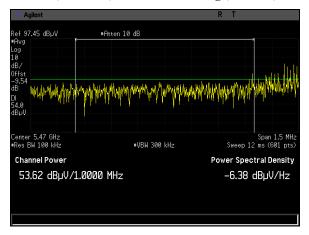


🔆 Agilent		RT	
Ref 2.23 dBm #Peak	#Atten 10 dB		
Log 10	waraalmadahayaanaanaaliya	haraan yaqaan waqaan	ralwayunad
-27.0 dBm			
Center 5.726 GHz •Res BW 100 kHz	₩VBW 300 kHz	Sp: Sweep 6 ms	an 1.5 MHz (601 pts)
Channel Power		Power Spectral	Density
-27.20 dBm /1.000	10 MHz	-87.20 dE	3m/Hz

Plot 468. Undesirable Emissions, -27dBm, Radiated Bandedge, 5725M, BW 40M, CF 5705M, 19dBi

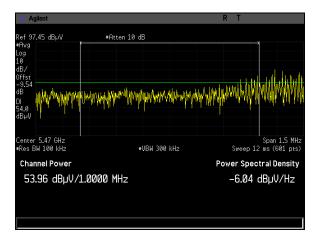
🔆 Agilent				R	T		
Ref 2.23 dBm	#Atten 10	dB					
*Peak Log	¢						
10							
dB/ 0ffst ///////////////////////////////////	tys Verynallyddw	Manadali	Ywywyn	mahan	a handhala	Marina	Mumphan
dB DI							
u -27.0 dBm							
Center 5.726 GHz •Res BW 100 kHz		+VBW 300	kHz		Swee	Span p6ms(6	1.5 MHz 301 pts)
Channel Power			Pov	wer Sp	ectral D	ensity	
-27.50 dBm /1.0000 MHz				-87.50 dBm/Hz			

Plot 469. Undesirable Emissions, -27dBm, Radiated Bandedge, 5725M, BW 50M, CF 5700M, 19dBi



Plot 470. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 10M, CF 5475M, 19dBi

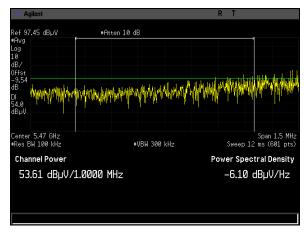




Plot 471. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 20M, CF 5480M, 19dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log 10		
dB/ 0ffst -9.54		
	an she waa ahaa ahaa ahaa ahaa ahaa ahaa aha	aleen ala dada dada araa ahaan
Center 5.47 GHz •Res BW 100 kHz	∎VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.45 dBµV/.	1.0000 MHz	−6.55 dBµV/Hz

Plot 472. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 30M, CF 5485M, 19dBi



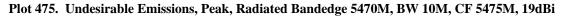
Plot 473. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 40M, CF 5490M, 19dBi



🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
#Avg Log		
10 dB/		
0ffst -9.54		
dB DI AWAYAMA	n multiplication of the second	nautwatte after de la de la calenda en se sé cal
54.0 dBµV		
Center 5.47 GHz •Res BW 100 kHz	#VBW 300 kH:	Span 1.5 MHz z Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.53 dBµV/	1.0000 MHz	-6.47 dBµV/Hz

Plot 474. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 50M, CF 5495M, 19dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
*Peak Log	X-	
10 dB/		
Offst		
dB WWWWWWW	l summer approximately and the second s	nersteddingen neder yn de hear an hear an de heardered
DI 54.0		
dBµV		
Center 5.47 GHz		Span 1.5 MHz
•Res BW 100 kHz	#VBW 300 kHz	Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
56.67 dBµV/	1.0000 MHz	–3.33 dBµV/Hz



Ref 97.45 dBµV #Atten 10	) dB	
PPak K Log 10 dB∕		
ab/ Offst -9.54 dB my <sup>hul</sup> h/hhywhl <sup>l</sup> h/high/hwyhlwnyhu DI	unhuluuh MMMu.Alhaud	www.
DI 54.0 dB <sub>P</sub> V	rdad to dØ rit Mart ort	
Center 5.47 GHz Res BW 100 kHz	•VBW 300 kHz	Span 1.5 M Sweep 6 ms (601 pr
Channel Power	**EN 300 MIZ	Power Spectral Densil
56.60 dBµV/1.0000 MHz		–3.40 dBµV/Hz

Plot 476. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 20M, CF 5480M, 19dBi



💥 Agilent		RT
Ref 97.45 dBµV ≢Peak	#Atten 10 dB	
Log 10		
dB/		A Low Alta ANM
-9.54 dB DI 54.0	nandalaran an a	en an
dBµV		
Center 5.47 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.42 dBµV/	1.0000 MHz	–2.58 dBµV/Hz

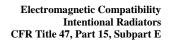
Plot 477. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 30M, CF 5485M, 19dBi

🔆 Agilent		RT
Ref 97.45 dBµV	#Atten 10 dB	
*Peak Log		
10 dB/		
ab/ Offst		Unalle Mart Mar
-9.54 dB	hananpananan putanan mining the	MMM and a shirt and a shirt of a
DI 54.0		
dB⊬V		
C . 5 (7 O)		
Center 5.47 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.77 dBuV/1	L.0000 MHz	-2.23 dBµV/Hz

Plot 478. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 40M, CF 5490M, 19dBi

🔆 Agi	ilent			R	r	
Ref 97.	45 dBµV	#Atten 10 d	В			
≢Peak Log		<				
10 dB/						
Offst						١A
-9.54 dB DI	Mannahan	ymerrawnymerram	n allanda kan halan ba	hill way with a	White the subset was b	W.
54.0 dBµV						
Center	5.47 GHz				Span 1.5 M	Hz
•Res Bl	W 100 kHz	•	VBW 300 kHz		Gweep 6 ms (601 pt	
Chan	nel Power			Power	Spectral Densit	y
57.	82 dBµV/1	1.0000 MHz		-2	2.18 dBµV/Hz	

Plot 479. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 50M, CF 5495M, 19dBi





🔆 Agilent		RT	
Ref 87.45 dBµV	#Atten 0 dB		
#Avg Log	C		
10 dB/		باللاب الم	h
Offst -9.54 Walath add a bill	All and the state of the back of the second state of the state of the	the construction of the state of the second of the	W
dB PYN PY YN M	hor alter part of the second	NA NA LLA LLA LLA	
DI 54.0		·// ·	
dBµV			
Center 5.47 GHz •Res BW 100 kHz	*VBW 300 kHz	5,5 Span Sweep 12 ms (601 p	
Channel Power		Power Spectral Densi	ity
53.57 dBµV/:	1.0000 MHz	–6.43 dBµV/H;	Z
			Ĩ

Plot 480. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 10M, CF 5475M, 27dBi

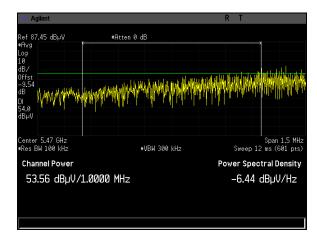
🔆 Agilen	t					RT		
Ref 87.45	dBµV	#At	en 0 dB					
#Avg Log 10 dB/ 0ffst -9.54						Millilail		
dB M	www.www.www.ww	XAMPYAYAAM	MUMM	will with	w.W.Manhahl	rwwy	PYFIFF	an da Littadi
54.0 dBµV								
Center 5.4 •Res BW 1			*VBW	300 kHz		Sweep	Span 12 ms (6	1.5 MHz 601 pts)
Channe	Power				Р	ower Spe	ectral D	ensity
53.69	9 dBµV/1	l.0000 MH	z			-6.31	. dBµl	//Hz

Plot 481. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 20M, CF 5480M, 27dBi

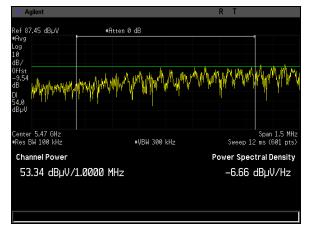
🔆 Agilent		RI
Ref 87.45 dBµV	#Atten ØdB	
#Avg Log		
10 dB/		
Offst -9.54		A CHANNE AN A BARANNA MAN
dB YMWWWW	un main ai an tha ann an tha an tha an tha ann an tha an	lin alla hallati a si
DI 54.0 dBµV		
Center 5.47 GHz Res BW 100 kHz	*VBW 300 kHz	Span 1.5 MHz Sweep 12 ms (601 pts)
Channel Power		Power Spectral Density
53.65 dBµV/1.0	000 MHz	–6.35 dBµV/Hz

Plot 482. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 30M, CF 5485M, 27dBi





Plot 483. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 40M, CF 5490M, 27dBi



Plot 484. Undesirable Emissions, Average, Radiated Bandedge 5470M, BW 50M, CF 5495M, 27dBi

💥 Agilent		RT
Ref 87.45 dBµV	#Atten ØdB	
●Peak Log 10 dB/ 0ffst −9.54 <mark>\//\/\/\/\/\/\/\/ dB</mark>	naphro-yaangahanandahanana	the state and the state of the
DI 54.0 dBµV		
Center 5.47 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.51 dBµV/1	1.0000 MHz	–2.49 dBµV/Hz

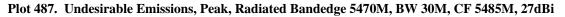
Plot 485. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 10M, CF 5475M, 27dBi



🔆 Agilent		RT
Ref 87.45 dBµV ≢Peak	#Atten Ø dB	
Log 10 dB/		
-9.54 MMMMMMM	warnyahanananananananana	A WAR AND A TO THE TAR TO A
DI 54.0 dBµV		
Center 5.47 GHz •Res BW 100 kHz	•VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
57.99 dBµV/1	1.0000 MHz	-2.01 dBµV/Hz

Plot 486. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 20M, CF 5480M, 27dBi

🔆 Agilent		RT
Ref 87.45 dBµV	#Atten ØdB	
*Peak Log		
10 dB/		
0ffst -9.54 dB ////////////////////////////////////		MMMAAa Madalaa ahaada ahaada
DI 54.0 dBµV		
Center 5.47 GHz •Res BW 100 kHz	#VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
58.22 dBµV/.	1.0000 MHz	−1.78 dBµV/Hz



🔆 Agilent		RT
Ref 87.45 dBµV	#Atten ØdB	
●Peak Log 10 dB/ − <u>9-54</u> dB DI 54.0 dB <sub>µ</sub> √	e gananeerspekenskanskanskapskaps	handerunderunder
Center 5.47 GHz •Res BW 100 kHz	*VBW 300 kHz	Span 1.5 MH Sweep 6 ms (601 pts
Channel Power 57.88 dBµV/1		Power Spectral Density -1.92 dBµV/Hz

Plot 488. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 40M, CF 5490M, 27dBi



🔆 Agilent		RT
Ref 87.45 dBµV •Peak Log 10 dB/ 0ffst dB 0 154.0 dBµV	+Atten 0 dB	udullimete Manuel Inner address
Center 5.47 GHz •Res BW 100 kHz Channel Power 57.33 dBµV/	•VBN 300 kHz 1.0000 MHz	Span 1.5 MHz Sweep 6 ms (601 pts) Power Spectral Density –2.67 dBµV/Hz

Plot 489. Undesirable Emissions, Peak, Radiated Bandedge 5470M, BW 50M, CF 5495M, 27dBi

🔆 🔆 Agile	ent						RT			
Ref 3.46	dBm	Att	en 15 dE							
■Peak Log 10 dB/ 0ffst 2.23 dB	MAR ANA	allinguarite to post	Muhul	MWW	hillin transfe	wl/wl41	promoti	MM	Www	mhmym
DI -27.0 dBm										1
	5.726 GHz 100 kHz		*	VBW 300	kHz		Swe			1.5 MHz 01 pts)
Chann	iel Power					Po	ower S	pecti	ral D	ensity
-27.9	95 dBm /1	L.0000 MI	Hz				-87	.95	dBm	/Hz

Plot 490. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 10M, CF 5720M, 27dBi

💥 Agilent		RT
Ref 3.46 dBm		
●Peak Log 10 dB/ 2.23 dB DI -27.0 dBm	Nething a policy and a policy of the second s	unaparan paramputraparanan unapar
Center 5.726 GHz •Res BW 100 kHz	•VBW 300 F	Span 1.5 MHz KHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-27.20 dBm /	1.0000 MHz	-87.20 dBm/Hz

Plot 491. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 20M, CF 5715M, 27dBi



🔆 Agilent		RT	
Ref 3.46 dBm	Atten 15 dB		
#Peak Log			
10			
dB/ Offst	alle and When a share a		
	. V hear, Wands and before the work of the work	winite and a second second second	handraha
DI -27.0			
-27.0 dBm			
Center 5.726 GHz •Res BW 100 kHz	+VBW 300 kHz	Spar Sweep 6 ms (	1.5 MHz 601 pts)
Channel Power		Power Spectral [	Density
-28.21 dBm /1.0000	1 MH7	-88.21 dBr	n/H7
20.21 0.5 71.0000	5 TH 12	OO.ET db.	11/ T 12

Plot 492. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 30M, CF 5710M, 27dBi

🔆 Agilent		RT	
Ref 3.46 dBm #Peak Log 10	Atten 15 dB		
dB/ Offst 2.23 dB	naturilly to an an an an an an	www.howenhaver.produces	~Mp
DI -27.0 dBm			
Center 5.726 GHz Res BW 100 kHz	<b></b> ₩VBW 300 kHz	Span 1.5 M Sweep 6 ms (601 pr	
Channel Power		Power Spectral Densit	ty
-27.64 dBm /:	1.0000 MHz	-87.64 dBm/Hz	Z

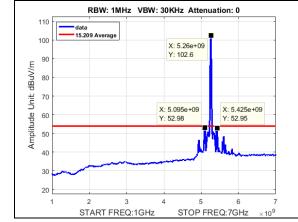
Plot 493. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 40M, CF 5705M, 27dBi

💥 Agilent		RT
Ref 3.46 dBm	Atten 15 dB	
*Peak Log		
10 dB/		
0ffst MMMMMM/M/M/ 2.23 dB	1 Arapes pleased in grand a graph provident	Maponething and An Appleton
DI		and a sub-
-27.0 dBm		
Center 5.726 GHz Res BW 100 kHz	₩VBW 300 kHz	Span 1.5 MHz Sweep 6 ms (601 pts)
Channel Power		Power Spectral Density
-29.34 dBm /1.0	0000 MHz	-89.34 dBm/Hz

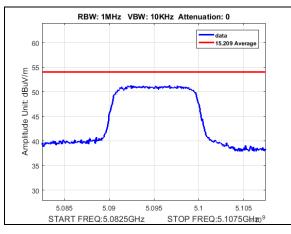
Plot 494. Undesirable Emissions, -27dBm, Radiated Bandedge 5725M, BW 50M, CF 5700M, 27dBi



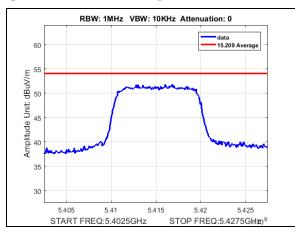
## **Radiated Spurious Emissions**



Plot 495. Radiated Spurious Emissions, Average, BW 10M, CF 5255M, 19dBi

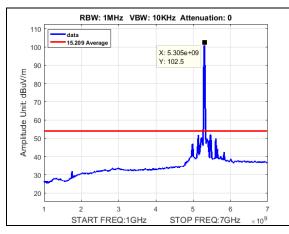


Plot 496. Radiated Spurious Emissions, Average, BW 10M, CF 5255M, 19dBi, 5095M spur

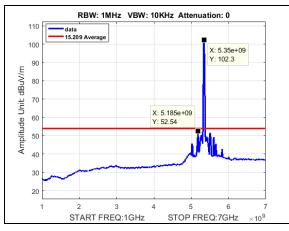


Plot 497. Radiated Spurious Emissions, Average, BW 10M, CF 5255M, 19dBi, 5415M spur

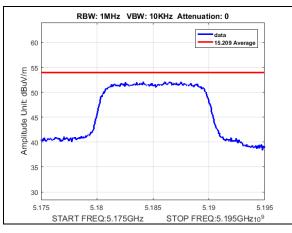




Plot 498. Radiated Spurious Emissions, Average, BW 10M, CF 5300M, 19dBi

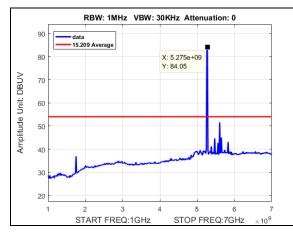


Plot 499. Radiated Spurious Emissions, Average, BW 10M, CF 5345M, 19dBi

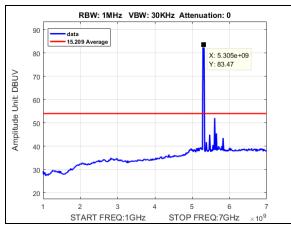


Plot 500. Radiated Spurious Emissions, Average, BW 10M, CF 5345M, 19dBi, 5185M spur

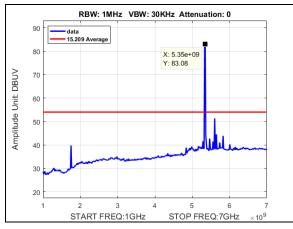




Plot 501. Radiated Spurious Emissions, Average, BW 20M, CF 5260M, 19dBi

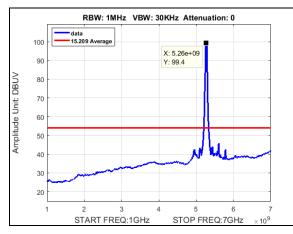


Plot 502. Radiated Spurious Emissions, Average, BW 20M, CF 5300M, 19dBi

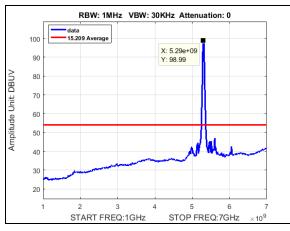


Plot 503. Radiated Spurious Emissions, Average, BW 20M, CF 5340M, 19dBi

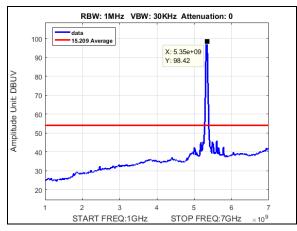




Plot 504. Radiated Spurious Emissions, Average, BW 30M, CF 5265M, 19dBi

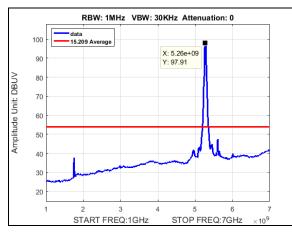


Plot 505. Radiated Spurious Emissions, Average, BW 30M, CF 5300M, 19dBi

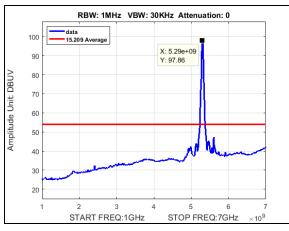


Plot 506. Radiated Spurious Emissions, Average, BW 30M, CF 5335M, 19dBi

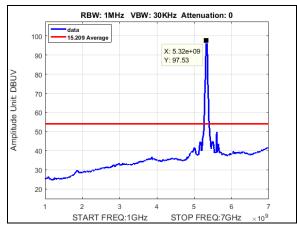




Plot 507. Radiated Spurious Emissions, Average, BW 40M, CF 5270M, 19dBi

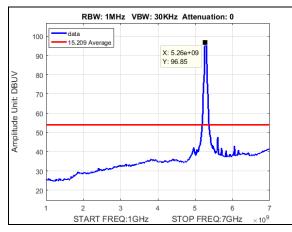


Plot 508. Radiated Spurious Emissions, Average, BW 40M, CF 5300M, 19dBi

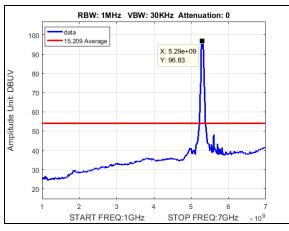


Plot 509. Radiated Spurious Emissions, Average, BW 40M, CF 5330M, 19dBi

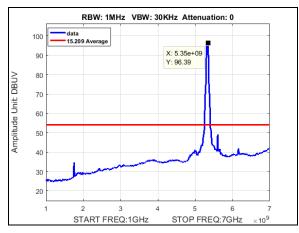




Plot 510. Radiated Spurious Emissions, Average, BW 50M, CF 5275M, 19dBi

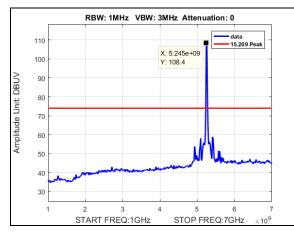


Plot 511. Radiated Spurious Emissions, Average, BW 50M, CF 5300M, 19dBi

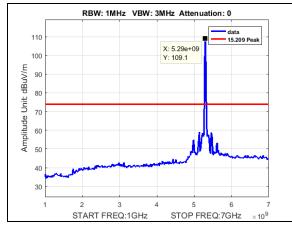


Plot 512. Radiated Spurious Emissions, Average, BW 50M, CF 5325M, 19dBi

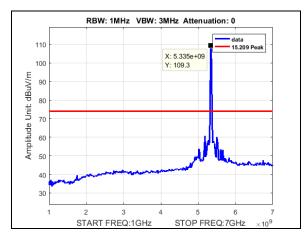




Plot 513. Radiated Spurious Emissions, Peak, BW 10M, CF 5255M, 19dBi

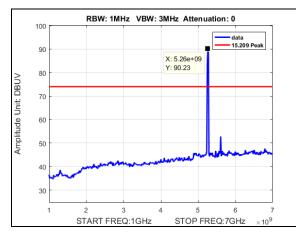


Plot 514. Radiated Spurious Emissions, Peak, BW 10M, CF 5300M, 19dBi

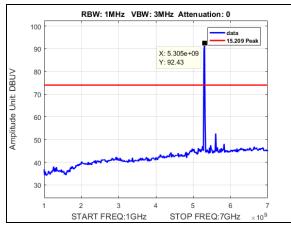


Plot 515. Radiated Spurious Emissions, Peak, BW 10M, CF 5345M, 19dBi

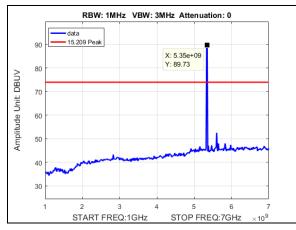




Plot 516. Radiated Spurious Emissions, Peak, BW 20M, CF 5260M, 19dBi

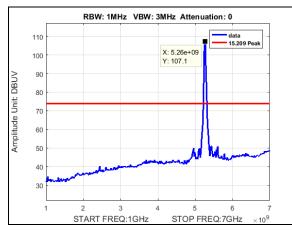


Plot 517. Radiated Spurious Emissions, Peak, BW 20M, CF 5300M, 19dBi

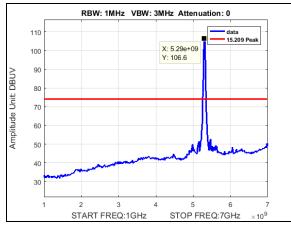


Plot 518. Radiated Spurious Emissions, Peak, BW 20M, CF 5340M, 19dBi

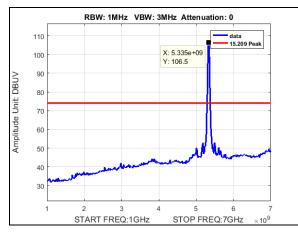




Plot 519. Radiated Spurious Emissions, Peak, BW 30M, CF 5265M, 19dBi

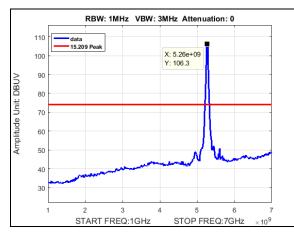


Plot 520. Radiated Spurious Emissions, Peak, BW 30M, CF 5300M, 19dBi

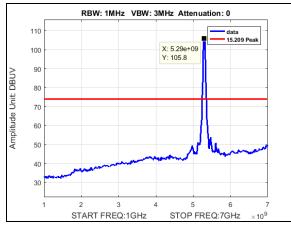


Plot 521. Radiated Spurious Emissions, Peak, BW 30M, CF 5335M, 19dBi

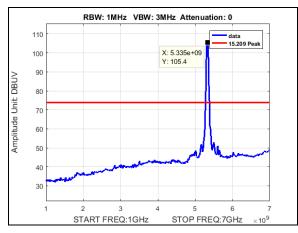




Plot 522. Radiated Spurious Emissions, Peak, BW 40M, CF 5270M, 19dBi

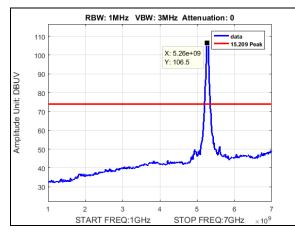


Plot 523. Radiated Spurious Emissions, Peak, BW 40M, CF 5300M, 19dBi

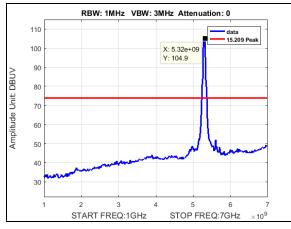


Plot 524. Radiated Spurious Emissions, Peak, BW 40M, CF 5330M, 19dBi

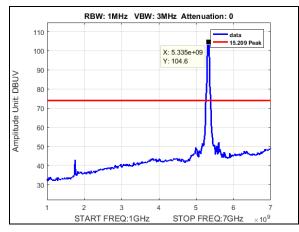




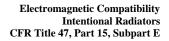
Plot 525. Radiated Spurious Emissions, Peak, BW 50M, CF 5275M, 19dBi



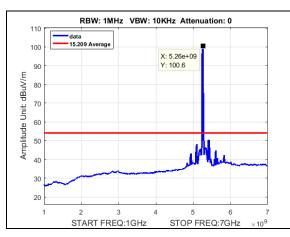
Plot 526. Radiated Spurious Emissions, Peak, BW 50M, CF 5300M, 19dBi



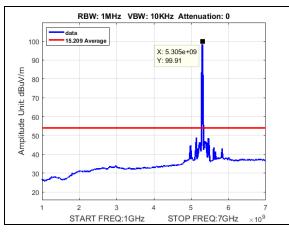
Plot 527. Radiated Spurious Emissions, Peak, BW 50M, CF 5325M, 19dBi



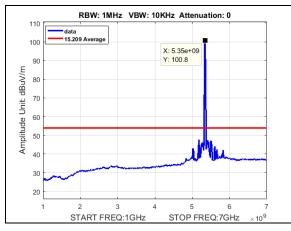




Plot 528. Radiated Spurious Emissions, Average, BW 10M, CF 5255M, 27dBi, 1-7GHz

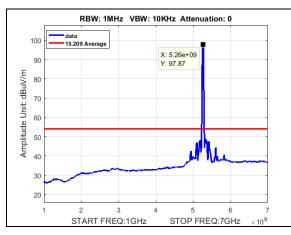


Plot 529. Radiated Spurious Emissions, Average, BW 10M, CF 5300M, 27dBi, 1-7GHz

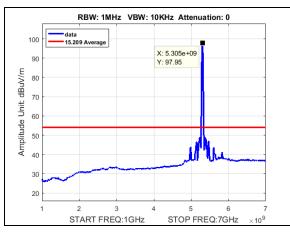


Plot 530. Radiated Spurious Emissions, Average, BW 10M, CF 5345M, 27dBi, 1-7GHz

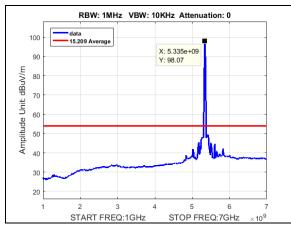




Plot 531. Radiated Spurious Emissions, Average, BW 20M, CF 5260M, 27dBi, 1-7GHz

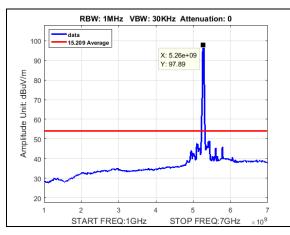


Plot 532. Radiated Spurious Emissions, Average, BW 20M, CF 5300M, 27dBi, 1-7GHz

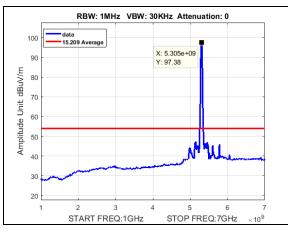


Plot 533. Radiated Spurious Emissions, Average, BW 20M, CF 5340M, 27dBi, 1-7GHz

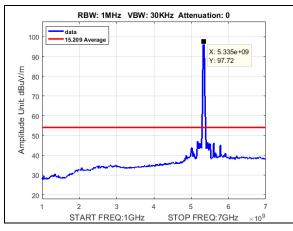




Plot 534. Radiated Spurious Emissions, Average, BW 30M, CF 5265M, 27dBi, 1-7GHz

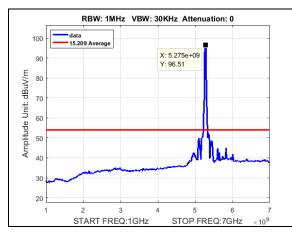


Plot 535. Radiated Spurious Emissions, Average, BW 30M, CF 5300M, 27dBi, 1-7GHz

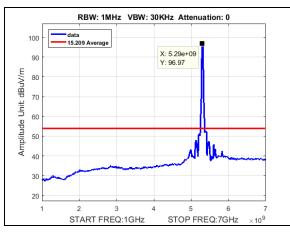


Plot 536. Radiated Spurious Emissions, Average, BW 30M, CF 5335M, 27dBi, 1-7GHz

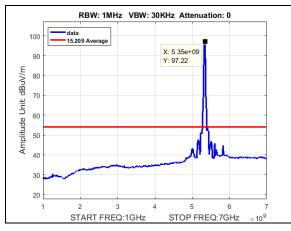




Plot 537. Radiated Spurious Emissions, Average, BW 40M, CF 5270M, 27dBi, 1-7GHz

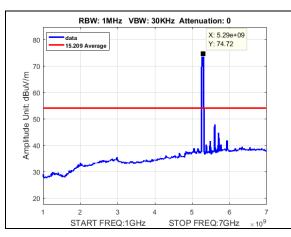


Plot 538. Radiated Spurious Emissions, Average, BW 40M, CF 5300M, 27dBi, 1-7GHz

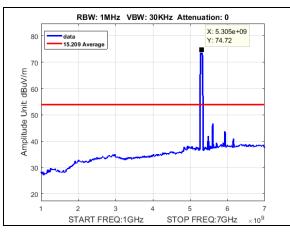


Plot 539. Radiated Spurious Emissions, Average, BW 40M, CF 5330M, 27dBi, 1-7GHz

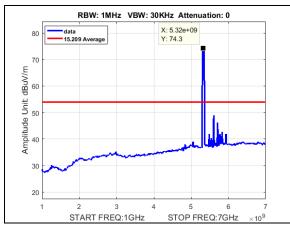




Plot 540. Radiated Spurious Emissions, Average, BW 50M, CF 5275M, 27dBi, 1-7GHz

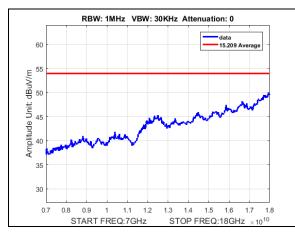


Plot 541. Radiated Spurious Emissions, Average, BW 50M, CF 5300M, 27dBi, 1-7GHz

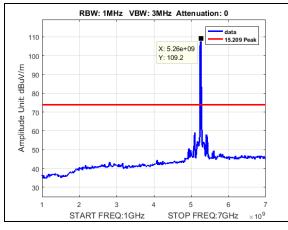


Plot 542. Radiated Spurious Emissions, Average, BW 50M, CF 5325M, 27dBi, 1-7GHz

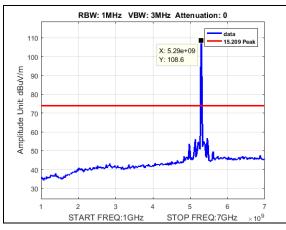




Plot 543. Radiated Spurious Emissions, Average, Worst Case, 27dBi, 7-18GHz

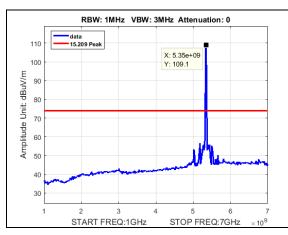


Plot 544. Radiated Spurious Emissions, Peak, BW 10M, CF 5255M, 27dBi, 1-7GHz

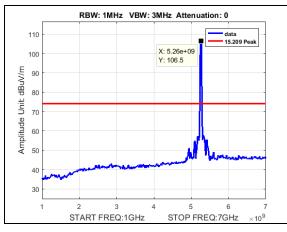


Plot 545. Radiated Spurious Emissions, Peak, BW 10M, CF 5300M, 27dBi, 1-7GHz

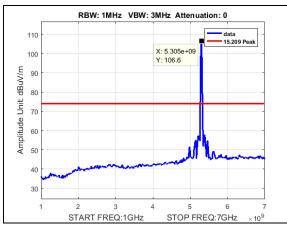




Plot 546. Radiated Spurious Emissions, Peak, BW 10M, CF 5345M, 27dBi, 1-7GHz

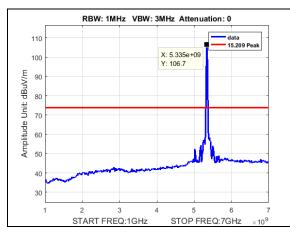


Plot 547. Radiated Spurious Emissions, Peak, BW 20M, CF 5260M, 27dBi, 1-7GHz

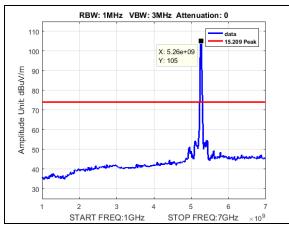


Plot 548. Radiated Spurious Emissions, Peak, BW 20M, CF 5300M, 27dBi, 1-7GHz

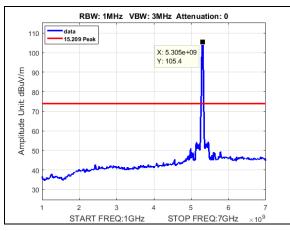




Plot 549. Radiated Spurious Emissions, Peak, BW 20M, CF 5340M, 27dBi, 1-7GHz

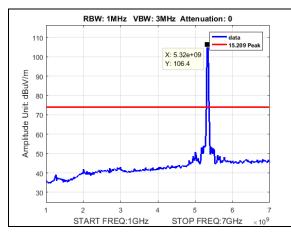


Plot 550. Radiated Spurious Emissions, Peak, BW 30M, CF 5265M, 27dBi, 1-7GHz

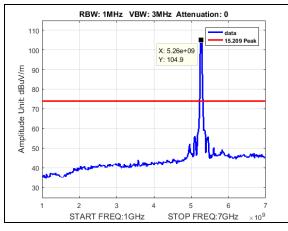


Plot 551. Radiated Spurious Emissions, Peak, BW 30M, CF 5300M, 27dBi, 1-7GHz

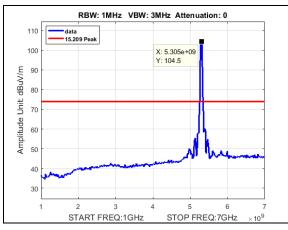




Plot 552. Radiated Spurious Emissions, Peak, BW 30M, CF 5335M, 27dBi, 1-7GHz

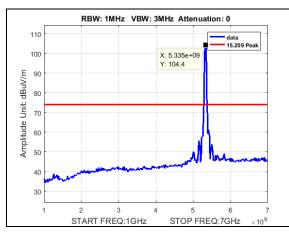


Plot 553. Radiated Spurious Emissions, Peak, BW 40M, CF 5270M, 27dBi, 1-7GHz

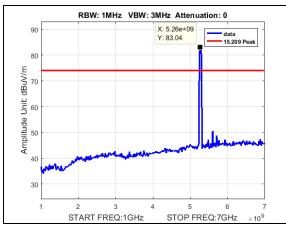


Plot 554. Radiated Spurious Emissions, Peak, BW 40M, CF 5300M, 27dBi, 1-7GHz

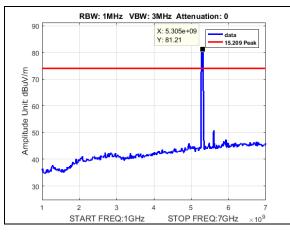




Plot 555. Radiated Spurious Emissions, Peak, BW 40M, CF 5330M, 27dBi, 1-7GHz

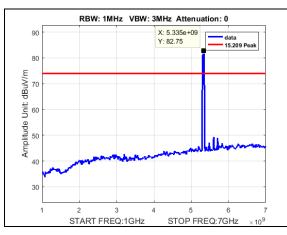


Plot 556. Radiated Spurious Emissions, Peak, BW 50M, CF 5275M, 27dBi, 1-7GHz

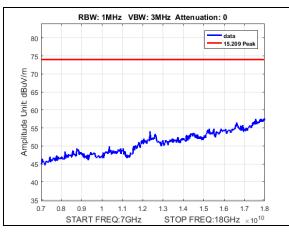


Plot 557. Radiated Spurious Emissions, Peak, BW 50M, CF 5300M, 27dBi, 1-7GHz

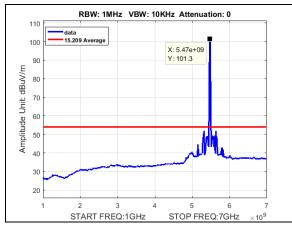




Plot 558. Radiated Spurious Emissions, Peak, BW 50M, CF 5325M, 27dBi, 1-7GHz

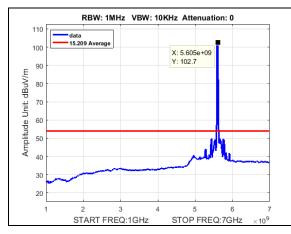


Plot 559. Radiated Spurious Emissions, Peak, Worst Case, 27dBi, 7-18GHz

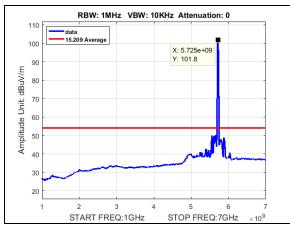


Plot 560. Radiated Spurious Emissions, Average, BW 10M, CF 5475M, 19dBi

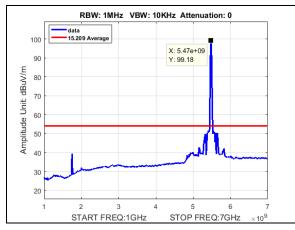




Plot 561. Radiated Spurious Emissions, Average, BW 10M, CF 5600M, 19dBi

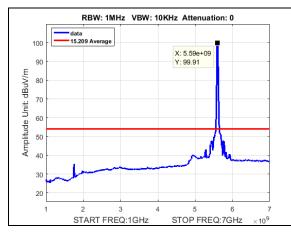


Plot 562. Radiated Spurious Emissions, Average, BW 10M, CF 5720M, 19dBi

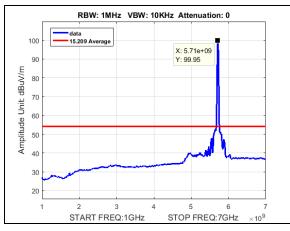


Plot 563. Radiated Spurious Emissions, Average, BW 20M, CF 5480M, 19dBi

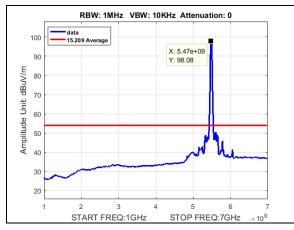




Plot 564. Radiated Spurious Emissions, Average, BW 20M, CF 5600M, 19dBi

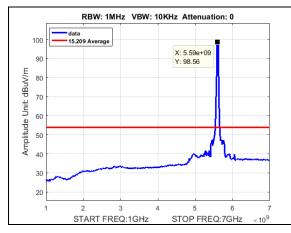


Plot 565. Radiated Spurious Emissions, Average, BW 20M, CF 5715M, 19dBi

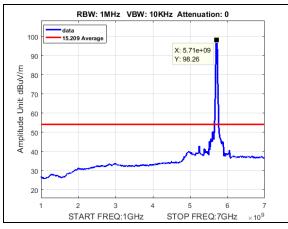


Plot 566. Radiated Spurious Emissions, Average, BW 30M, CF 5485M, 19dBi

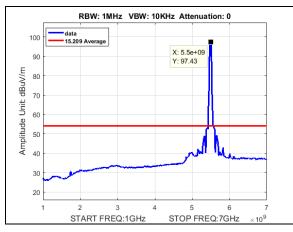




Plot 567. Radiated Spurious Emissions, Average, BW 30M, CF 5600M, 19dBi

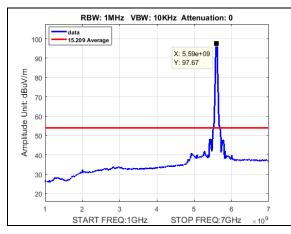


Plot 568. Radiated Spurious Emissions, Average, BW 30M, CF 5710M, 19dBi

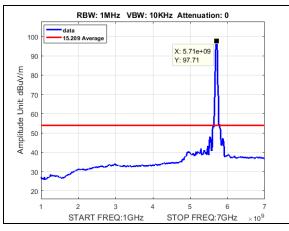


Plot 569. Radiated Spurious Emissions, Average, BW 40M, CF 5490M, 19dBi

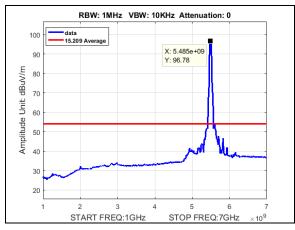




Plot 570. Radiated Spurious Emissions, Average, BW 40M, CF 5600M, 19dBi

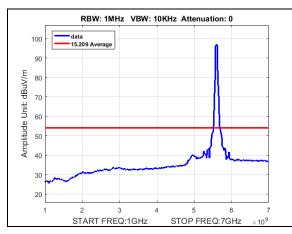


Plot 571. Radiated Spurious Emissions, Average, BW 40M, CF 5705M, 19dBi

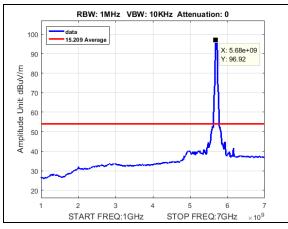


Plot 572. Radiated Spurious Emissions, Average, BW 50M, CF 5495M, 19dBi

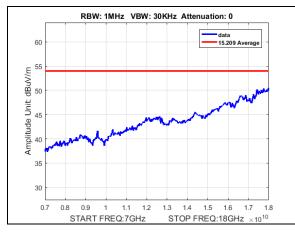




Plot 573. Radiated Spurious Emissions, Average, BW 50M, CF 5600M, 19dBi

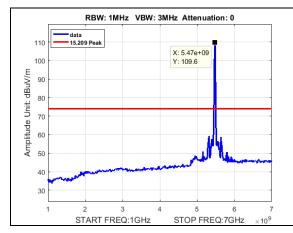


Plot 574. Radiated Spurious Emissions, Average, BW 50M, CF 5700M, 19dBi

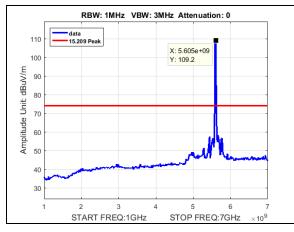


Plot 575. Radiated Spurious Emissions, Average, Worst Case, 7-18GHz, 19dBi

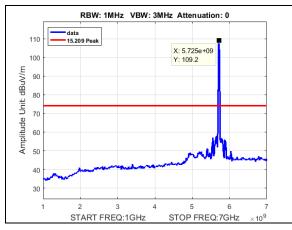




Plot 576. Radiated Spurious Emissions, Peak, BW 10M, CF 5475M, 19dBi

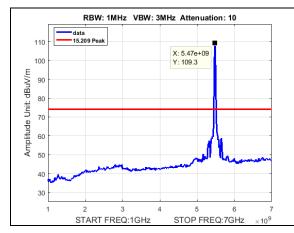


Plot 577. Radiated Spurious Emissions, Peak, BW 10M, CF 5600M, 19dBi

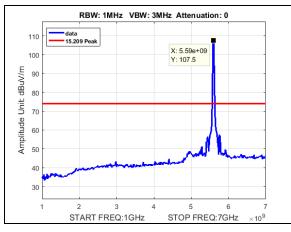


Plot 578. Radiated Spurious Emissions, Peak, BW 10M, CF 5720M, 19dBi

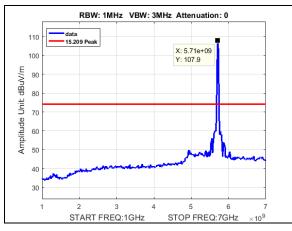




Plot 579. Radiated Spurious Emissions, Peak, BW 20M, CF 5480M, 19dBi

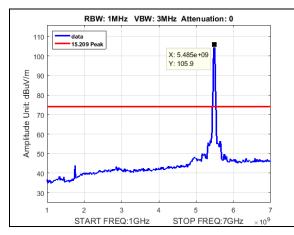


Plot 580. Radiated Spurious Emissions, Peak, BW 20M, CF 5600M, 19dBi

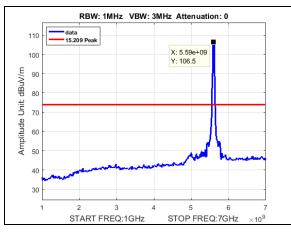


Plot 581.Radiated Spurious Emissions, Peak, BW 20M, CF 5715M, 19dBi

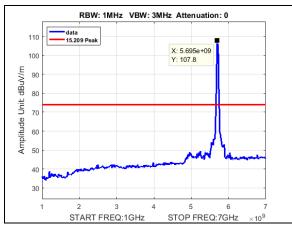




Plot 582. Radiated Spurious Emissions, Peak, BW 30M, CF 5485M, 19dBi

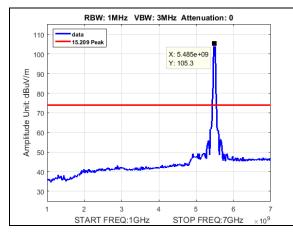


Plot 583. Radiated Spurious Emissions, Peak, BW 30M, CF 5600M, 19dBi

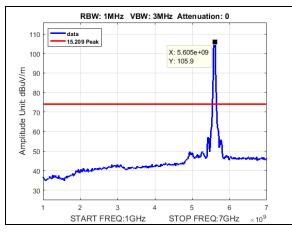


Plot 584. Radiated Spurious Emissions, Peak, BW 30M, CF 5710M, 19dBi

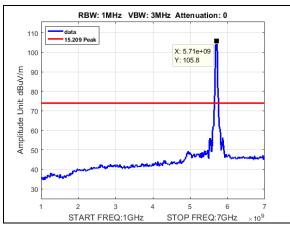




Plot 585. Radiated Spurious Emissions, Peak, BW 40M, CF 5490M, 19dBi

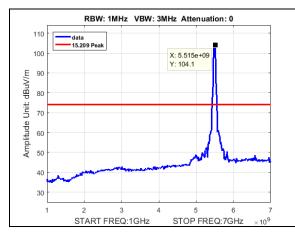


Plot 586. Radiated Spurious Emissions, Peak, BW 40M, CF 5600M, 19dBi

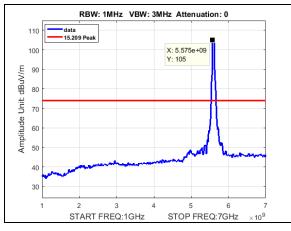


Plot 587. Radiated Spurious Emissions, Peak, BW 40M, CF 5705M, 19dBi

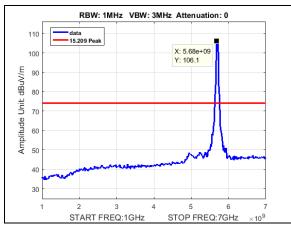




Plot 588. Radiated Spurious Emissions, Peak, BW 50M, CF 5495M, 19dBi

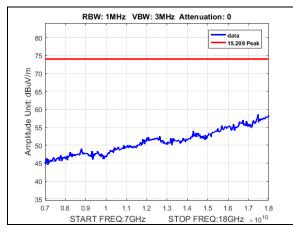


Plot 589. Radiated Spurious Emissions, Peak, BW 50M, CF 5600M, 19dBi

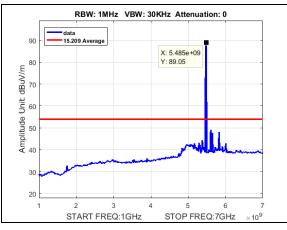


Plot 590. Radiated Spurious Emissions, Peak, BW 50M, CF 5700M, 19dBi

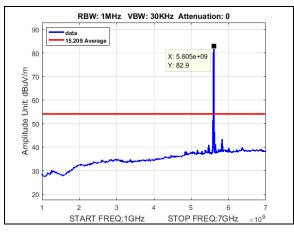




Plot 591. Radiated Spurious Emissions, Peak, Worst Case, 7-18GHz, 19dBi

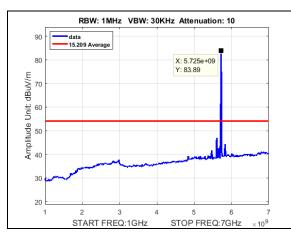


Plot 592. Radiated Spurious Emissions, Average, BW 10M, CF 5475M, 27dBi

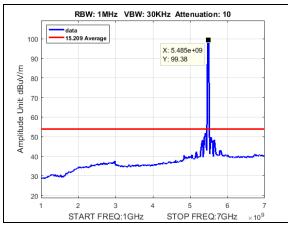


Plot 593. Radiated Spurious Emissions, Average, BW 10M, CF 5600M, 27dBi

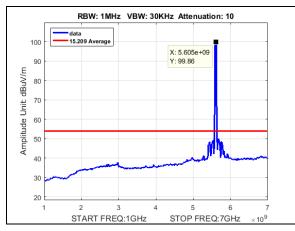




Plot 594. Radiated Spurious Emissions, Average, BW 10M, CF 5720M, 27dBi

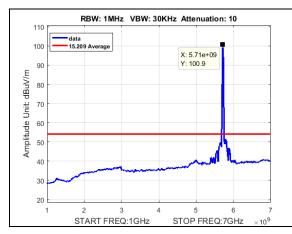


Plot 595. Radiated Spurious Emissions, Average, BW 20M, CF 5480M, 27dBi

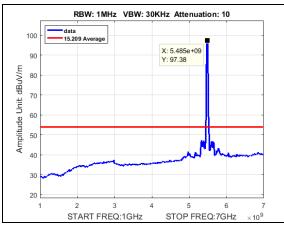


Plot 596. Radiated Spurious Emissions, Average, BW 20M, CF 5600M, 27dBi

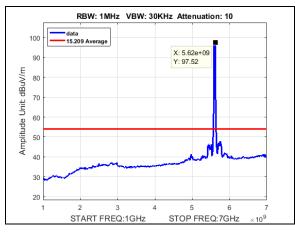




Plot 597. Radiated Spurious Emissions, Average, BW 20M, CF 5715M, 27dBi

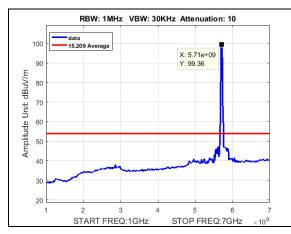


Plot 598. Radiated Spurious Emissions, Average, BW 30M, CF 5485M, 27dBi

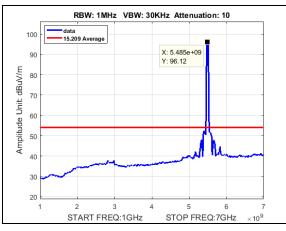


Plot 599. Radiated Spurious Emissions, Average, BW 30M, CF 5600M, 27dBi

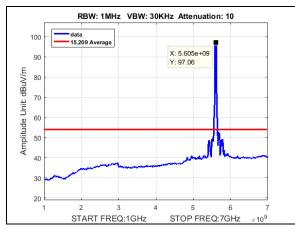




Plot 600. Radiated Spurious Emissions, Average, BW 30M, CF 5710M, 27dBi

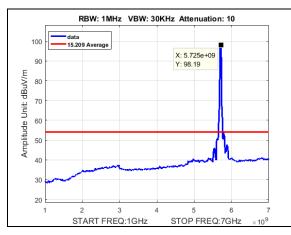


Plot 601. Radiated Spurious Emissions, Average, BW 40M, CF 5490M, 27dBi

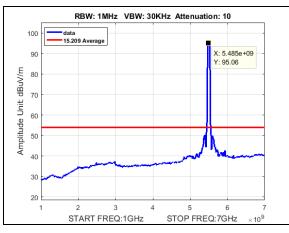


Plot 602. Radiated Spurious Emissions, Average, BW 40M, CF 5600M, 27dBi

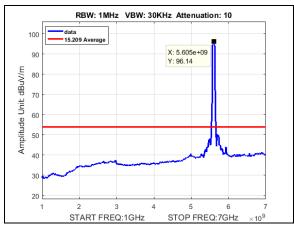




Plot 603. Radiated Spurious Emissions, Average, BW 40M, CF 5705M, 27dBi

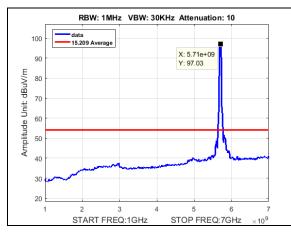


Plot 604. Radiated Spurious Emissions, Average, BW 50M, CF 5495M, 27dBi

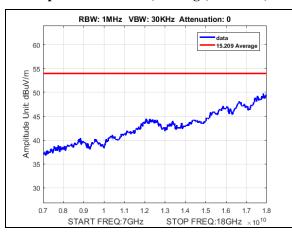


Plot 605. Radiated Spurious Emissions, Average, BW 50M, CF 5600M, 27dBi

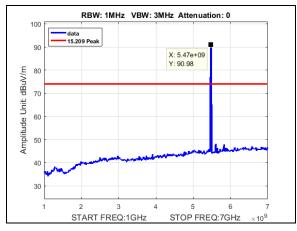




Plot 606. Radiated Spurious Emissions, Average, BW 50M, CF 5700M, 27dBi

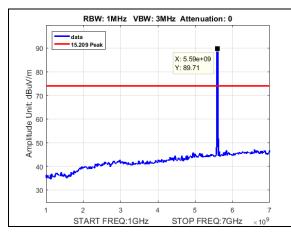


Plot 607. Radiated Spurious Emissions, Average, worst case, 7-18GHz, 27dBi

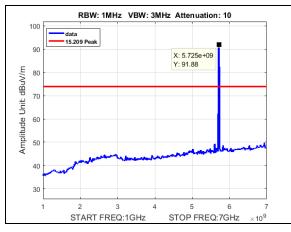


Plot 608. Radiated Spurious Emissions, Peak, BW 10M, CF 5475M, 27dBi

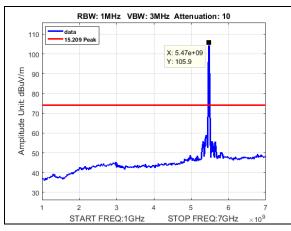




Plot 609. Radiated Spurious Emissions, Peak, BW 10M, CF 5600M, 27dBi

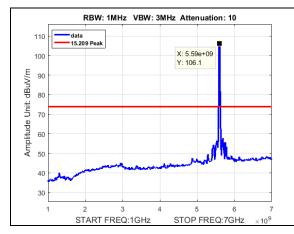


Plot 610. Radiated Spurious Emissions, Peak, BW 10M, CF 5720M, 27dBi

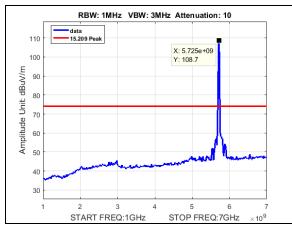


Plot 611. Radiated Spurious Emissions, Peak, BW 20M, CF 5480M, 27dBi

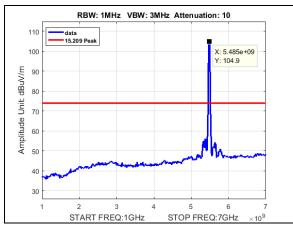




Plot 612. Radiated Spurious Emissions, Peak, BW 20M, CF 5600M, 27dBi

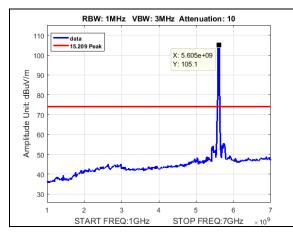


Plot 613. Radiated Spurious Emissions, Peak, BW 20M, CF 5715M, 27dBi

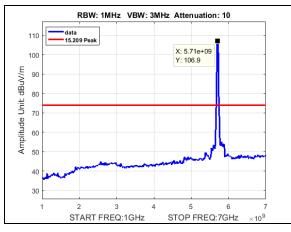


Plot 614. Radiated Spurious Emissions, Peak, BW 30M, CF 5485M, 27dBi

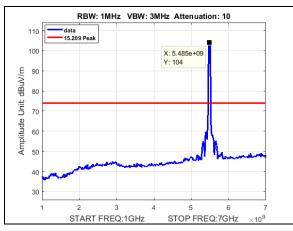




Plot 615. Radiated Spurious Emissions, Peak, BW 30M, CF 5600M, 27dBi

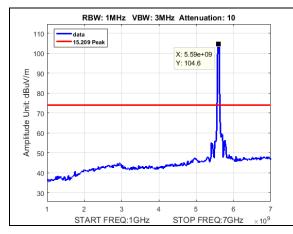


Plot 616. Radiated Spurious Emissions, Peak, BW 30M, CF 5710M, 27dBi

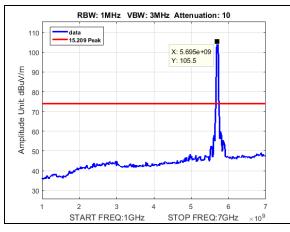


Plot 617. Radiated Spurious Emissions, Peak, BW 40M, CF 5490M, 27dBi

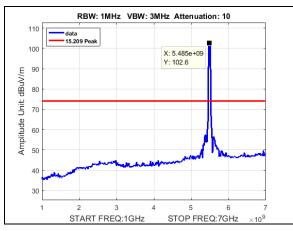




Plot 618. Radiated Spurious Emissions, Peak, BW 40M, CF 5600M, 27dBi

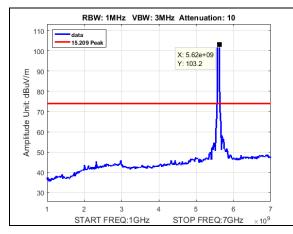


Plot 619. Radiated Spurious Emissions, Peak, BW 40M, CF 5705M, 27dBi

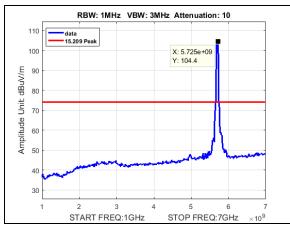


Plot 620. Radiated Spurious Emissions, Peak, BW 50M, CF 5495M, 27dBi

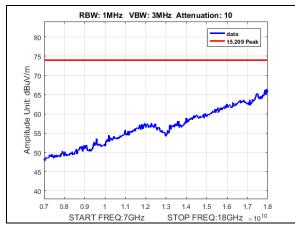




Plot 621.Radiated Spurious Emissions, Peak, BW 50M, CF 5600M, 27dBi



Plot 622. Radiated Spurious Emissions, Peak, BW 50M, CF 5700M, 27dBi



Plot 623. Radiated Spurious Emissions, Peak, worst case, 7-18GHz, 27dBi



# **Electromagnetic Compatibility Criteria for Intentional Radiators**

## § 15.407(b)(6) Conducted Emissions

**Test Requirement(s):** § 15.407 (b)(6): Any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

**§ 15.207 (a):** For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50  $\Omega$  line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency range	§ 15.207(a), Conducted Limit (dBμV)					
(MHz)	Quasi-Peak	Average				
* 0.15- 0.45	66 - 56	56 - 46				
0.45 - 0.5	56	46				
0.5 - 30	60	50				

 Table 22. Conducted Limits for Intentional Radiators from FCC Part 15 § 15.207(a)

**Test Procedure:** The EUT was placed on a non-metallic table inside a screen room. The EUT was situated such that the back of the EUT was 0.4 m from one wall of the vertical ground plane, and the remaining sides of the EUT were no closer than 0.8 m from any other conductive surface. The EUT was powered from a 50  $\Omega$ /50  $\mu$ H Line Impedance Stabilization Network (LISN). The EMC receiver scanned the frequency range from 150 kHz to 30 MHz. Conducted Emissions measurements were made in accordance with ANSI C63.4-2014 "Methods and Measurements of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40 GHz". Scans were performed with the transmitter on.

- **Test Results:** The EUT was compliant with requirements of this section.
- Test Engineer(s):Donald Salguero
- Test Date(s): November 2, 2017



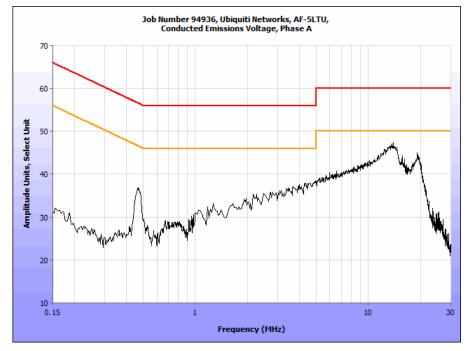
Frequency (MHz)	Uncorrected Meter Reading (dBuV) QP	Cable Loss (dB)	Corrected Measurement (dBuV) QP	Limit (dBuV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBuV) Avg.	Cable Loss (dB)	Corrected Measurement (dBuV) AVG	Limit (dBuV) AVG	Margin (dB) AVG
13.95	44.12	0	44.12	60	-15.88	38.45	0	38.45	50	-11.55
19.15	40.78	0	40.78	60	-19.22	36.79	0	36.79	50	-13.21

Table 23. Conducted Emissions, Phase, Test Results

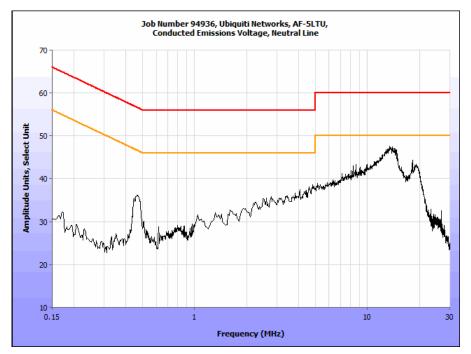
Frequency (MHz)	Uncorrected Meter Reading (dBuV) QP	Cable Loss (dB)	Corrected Measurement (dBuV) QP	Limit (dBuV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBuV) Avg.	Cable Loss (dB)	Corrected Measurement (dBuV) AVG	Limit (dBuV) AVG	Margin (dB) AVG
13.55	43.38	0	43.38	60	-16.62	37.91	0	37.91	50	-12.09
18.25	38.35	0	38.35	60	-21.65	33.81	0	33.81	50	-16.19

 Table 24. Conducted Emissions, Neutral, Test Results





Plot 624. Conducted Emissions, Phase



Plot 625. Conducted Emissions, Neutral



# **Electromagnetic Compatibility Criteria for Intentional Radiators**

§ 15.407(f)	Maximum Permissible Exposure						
Test Requirement(s):	<b>\$15.407(f):</b> U-NII devices are subject to the radio frequency radiation exposure requirements specified in \$1.1307(b), \$2.1091 and \$2.1093 of this chapter, as appropriate. All equipment shall be considered to operate in a "general population/uncontrolled" environment.						
RF Exposure Requirements:	<b>§1.1307(b)(1) and §1.1307(b)(2):</b> 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:	<b>§1.1310:</b> 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.						
	T's operating frequencies @ $5250-5350$ MHz and $5470-5725$ MHz; Limit for xposure: 1 mW/cm <sup>2</sup> or 10 W/m <sup>2</sup>						
Equation from p	page 18 of OET 65, Edition 97-01						
	$A / 4\pi R^2$ or $R = \int (PG / 4\pi S)$						
P = Por G = Ar	wer Density (mW/cm <sup>2</sup> ) wer Input to antenna (mW) ntenna Gain (numeric value)						

R = Distance (cm)

### **Test Results**:

	FCC									
Frequency (MHz)	Con. Pwr. (dBm)	Con. Pwr. (mW)	Ant. Gain (dBi)	numeric	Pwr. Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	Margin	Distance (cm)	Result	
5265	10.996	12.578	19	79.433	0.19876	1	0.80124	20	Pass	

The safe distance where Power Density is less than the MPE Limit listed above was found to be 20 cm.



# **IV. Test Equipment**



# **Test Equipment**

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2005.

MET Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date	
1T4612	Spectrum Analyzer	Agilent Technologies E4407B		03/30/2017	09/30/2018	
1T4565	LISN (24 AMP)	Solar Electronics Company	9252-50-R- 24-BNC	08/15/2017	08/15/2018	
1T6658	Spectrum Analyzer	Agilent Technologies	E4407B	12/21/2016	12/21/2017	
1T4771	PSA Spectrum Analyzer	Agilent Technologies	E4446A	8/10/2016	2/10/2018	
1T4753	Antenna - Bilog	Sunol Sciences	JB6	10/24/2016	4/24/2018	
1T4483	Antenna; Horn	ETS-Lindgren	3117	4/19/2017	10/19/2018	
1T2665	Antenna; Horn	EMCO	3115	6/22/2017	12/22/2018	
1T4442	Pre-amplifier, Microwave	Miteq	AFS42- 01001800-30- 10P	Func Verify		
1T4149	High-Frequency Anechoic Chamber	Ray Proof	81	Not Required		
1T4300	SEMI-ANECHOIC CHAMBER # 1 (NSA)	EMC TEST SYSTEMS	NONE	2/6/2015	2/6/2018	

### Table 25. Test Equipment List

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





# L. 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 preproduction 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.



# 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.<sup>1</sup> *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.

<sup>&</sup>lt;sup>1</sup> 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.



### § 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.



# 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.



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.