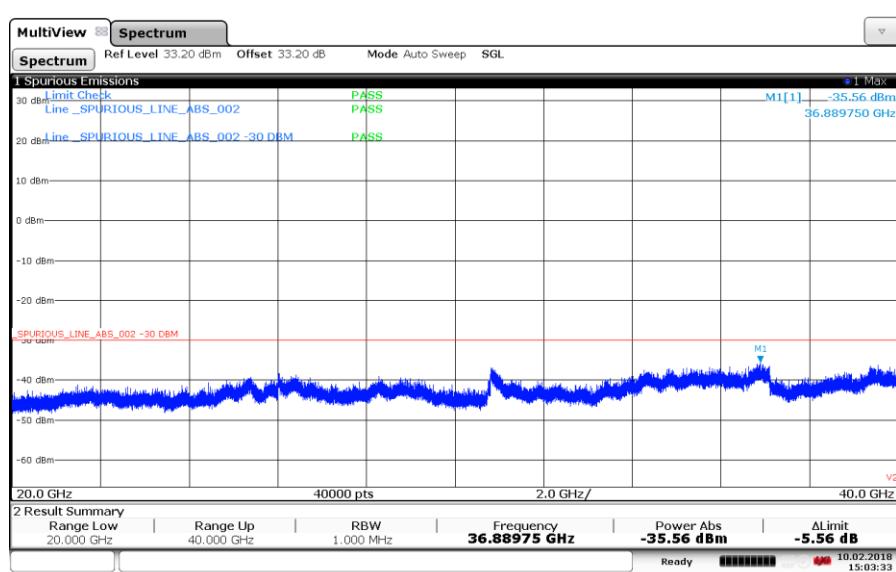
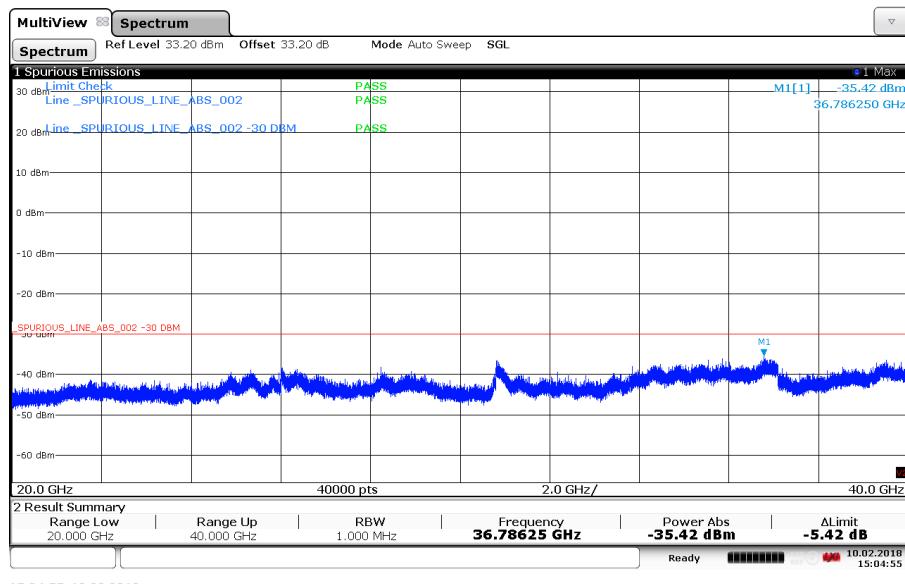


**Figure 301 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)**

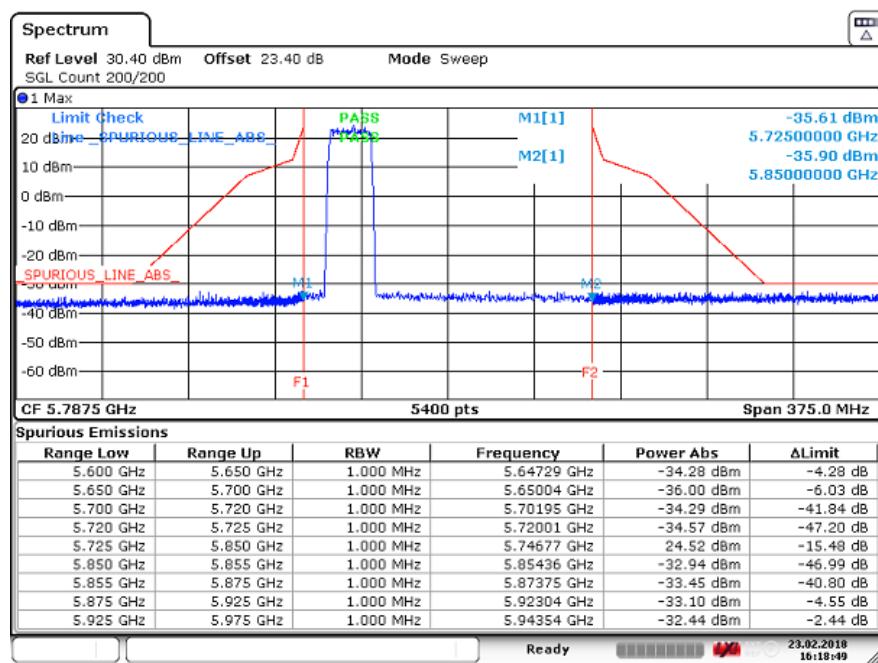


**Figure 302 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)**

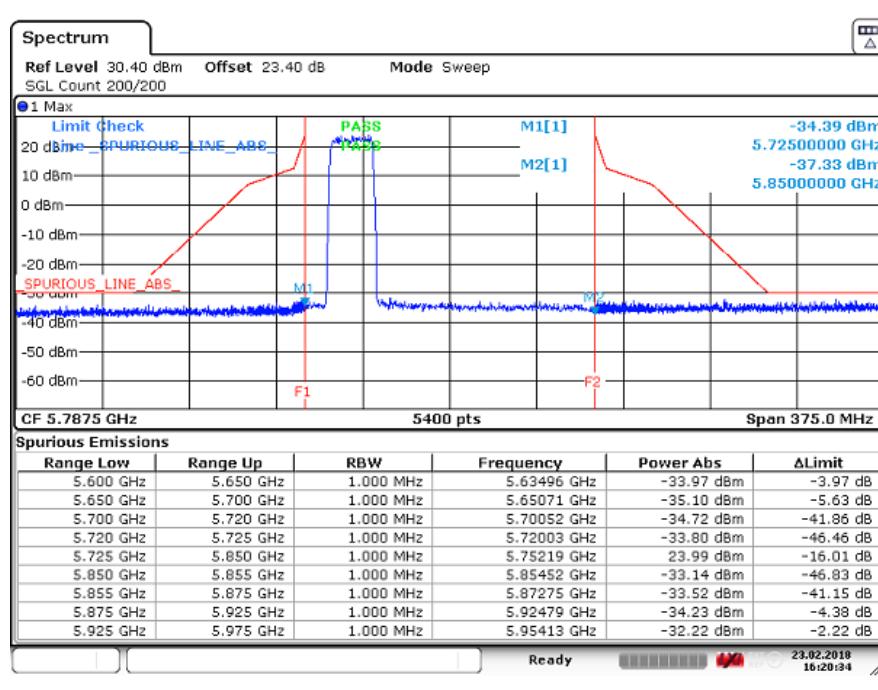


**Figure 303 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)**

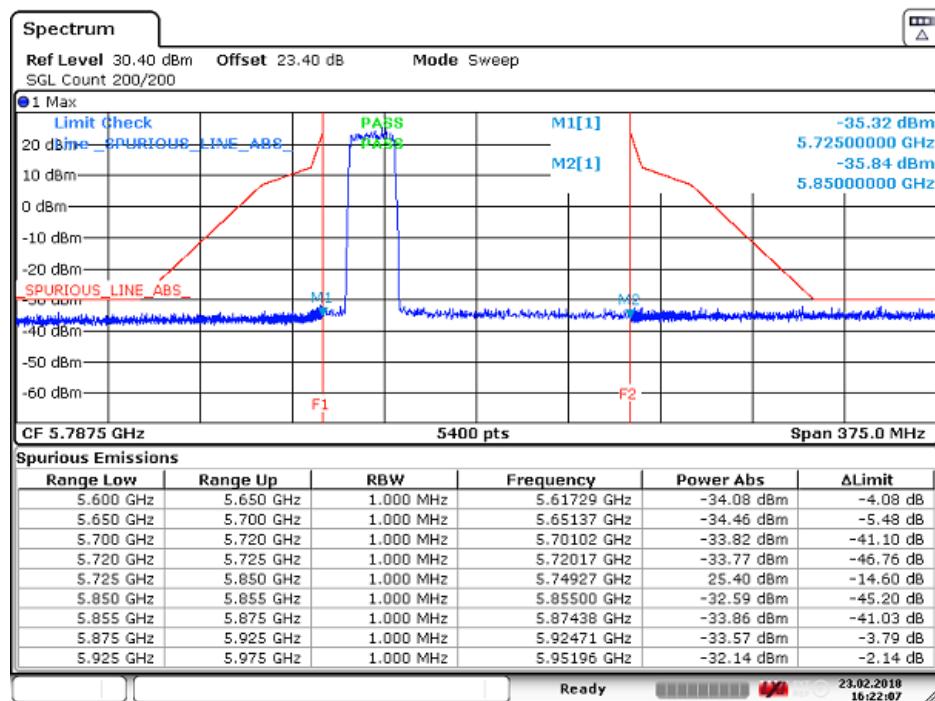
**Config A ANT2 UNII-3:**



**Figure 304 Spurious Emissions (Lower Band Edge) – QPSK (5745.0 MHz) (20MHz Channel BW)**

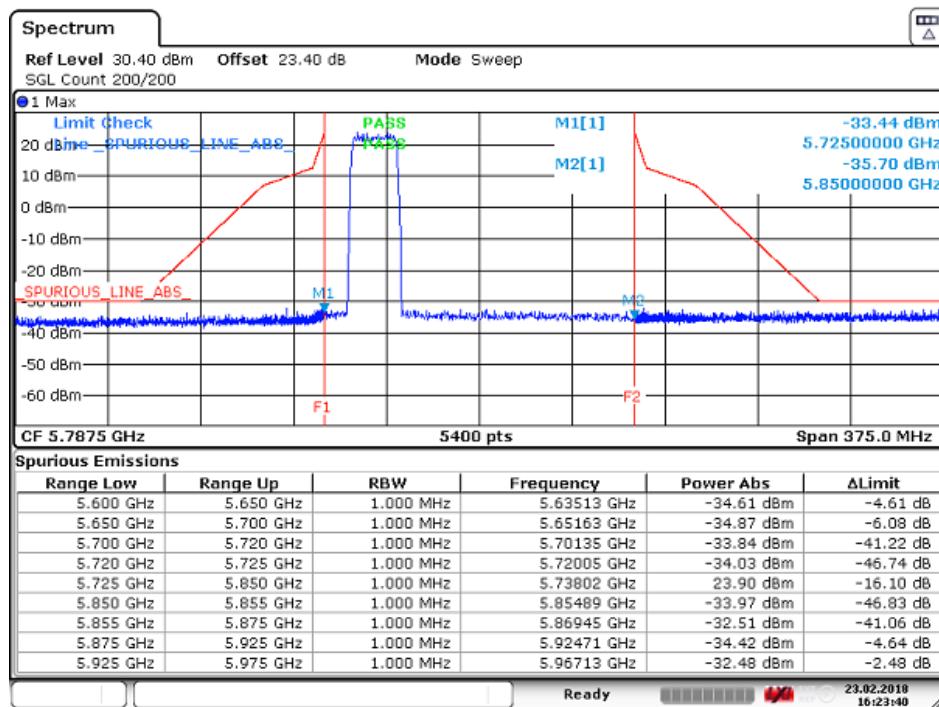


**Figure 305 Spurious Emissions (Lower Band Edge) – 64QAM (5745.0 MHz) (20MHz Channel BW)**

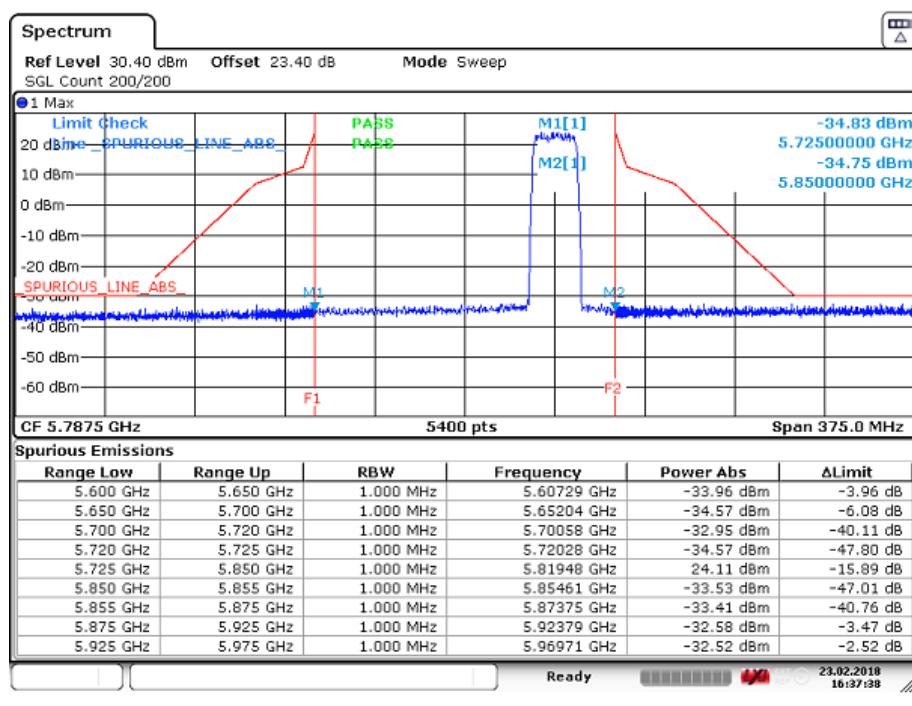


Date: 23.FEB.2018 16:22:07

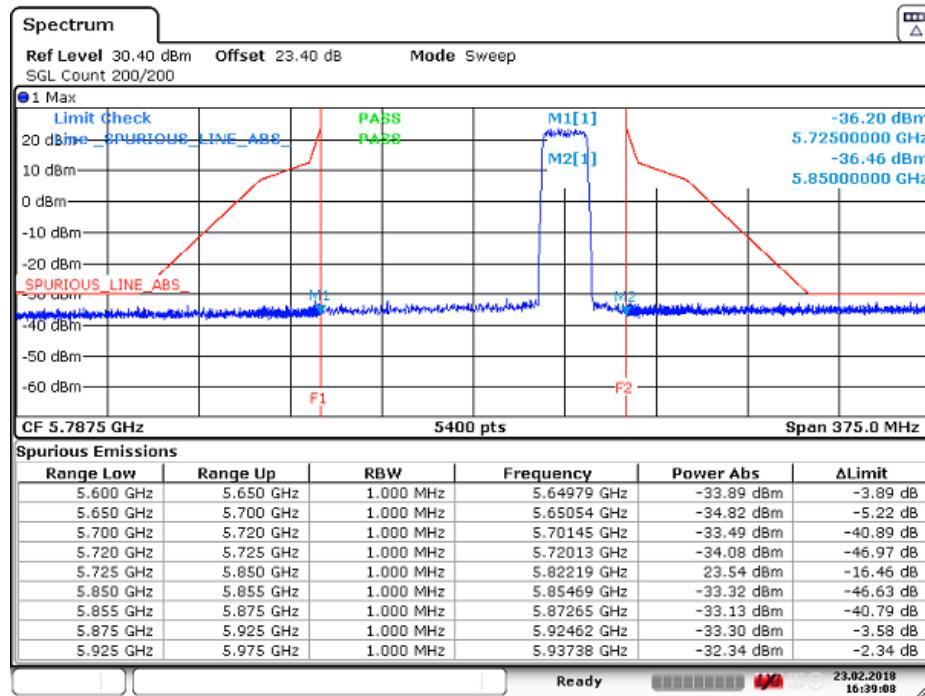
**Figure 306 Spurious Emissions (Lower Band Edge) – 16QAM (5745.0 MHz) (20MHz Channel BW)**



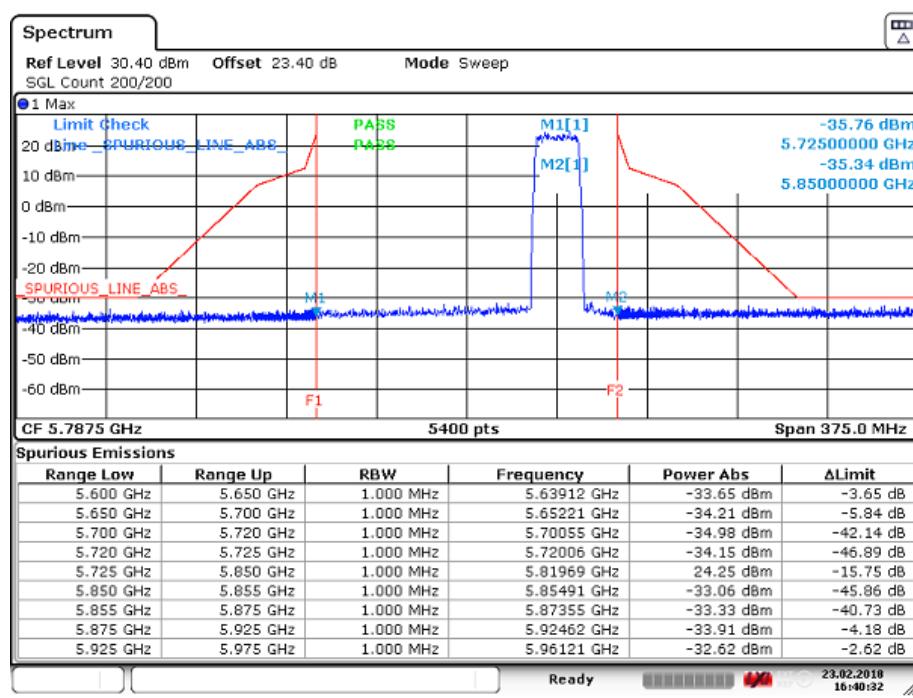
**Figure 307 Spurious Emissions (Lower Band Edge) – 256QAM (5745.0 MHz) (20MHz Channel BW)**



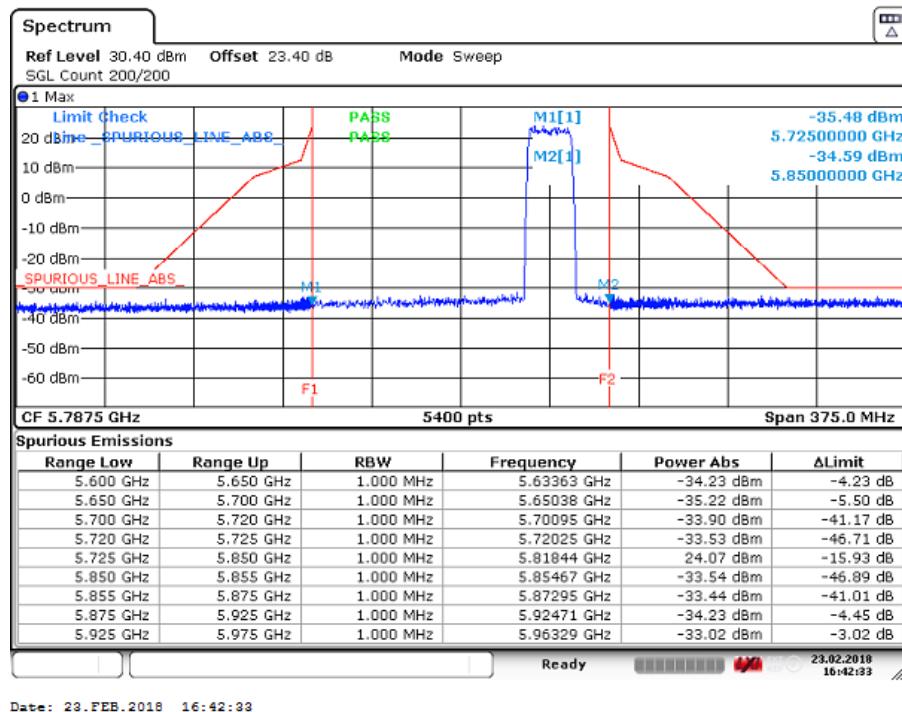
**Figure 308 Spurious Emissions (Upper Band Edge) – QPSK (5825.0 MHz) (20MHz Channel BW)**



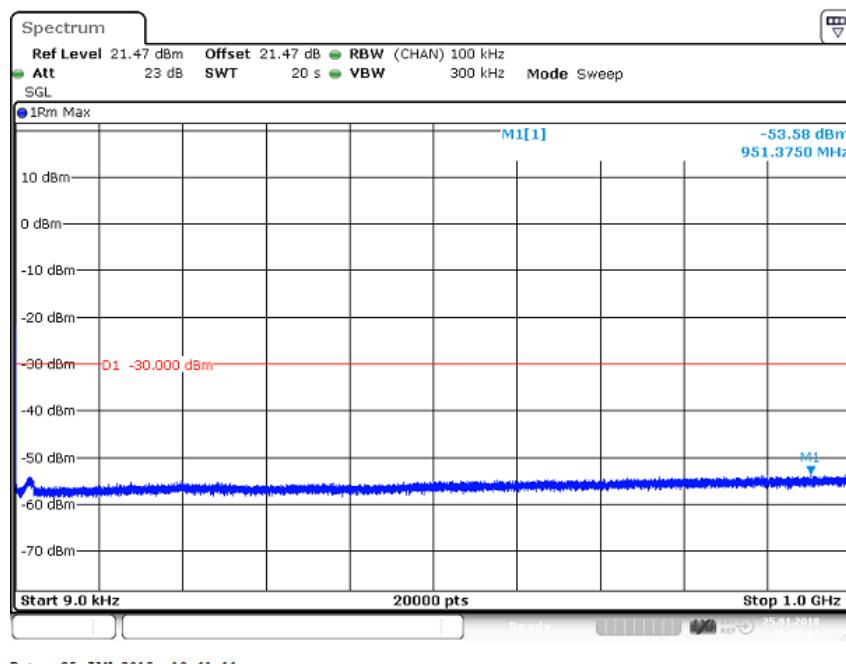
**Figure 309 Spurious Emissions (Upper Band Edge) – 64QAM (5825.0 MHz) (20MHz Channel BW)**



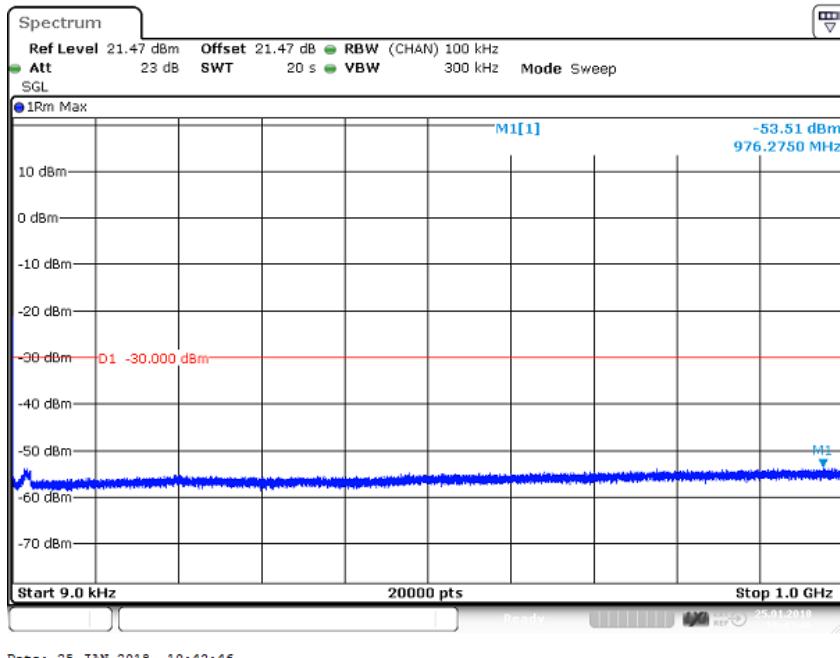
**Figure 310 Spurious Emissions (Upper Band Edge) – 16QAM (5825.0 MHz) (20MHz Channel BW)**



**Figure 311 Spurious Emissions (Upper Band Edge) – 256QAM (5825.0 MHz) (20MHz Channel BW)**

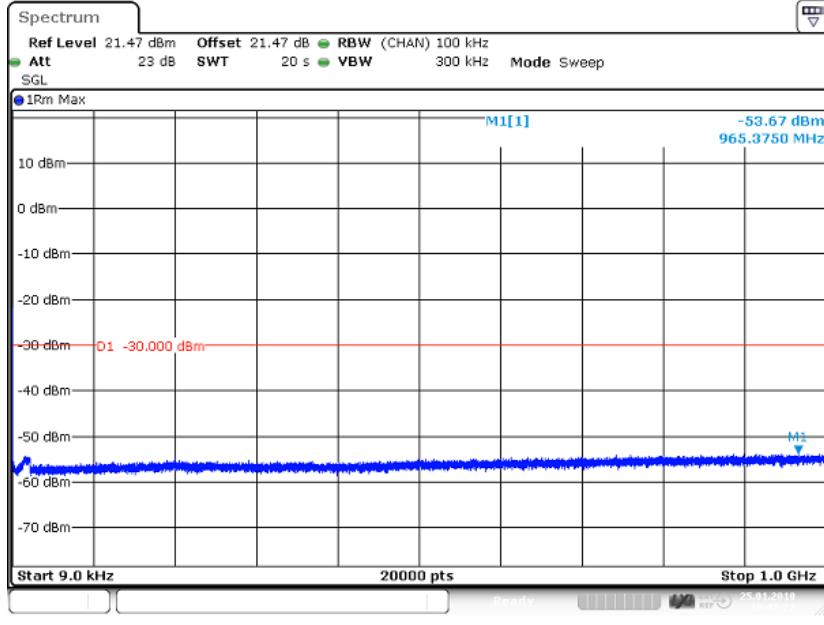


**Figure 312 Spurious Emissions (9kHz – 1GHz) - QPSK (5785.0 MHz) (20MHz Channel BW)**



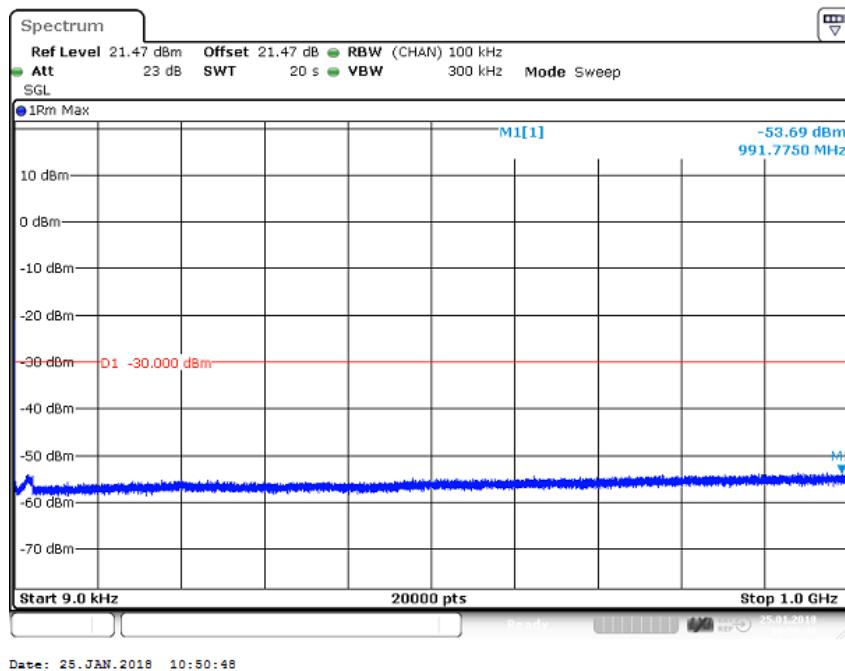
Date: 25.JAN.2018 10:43:46

**Figure 313 Spurious Emissions (9kHz – 1GHz) – 64QAM (5785.0 MHz) (20MHz Channel BW)**

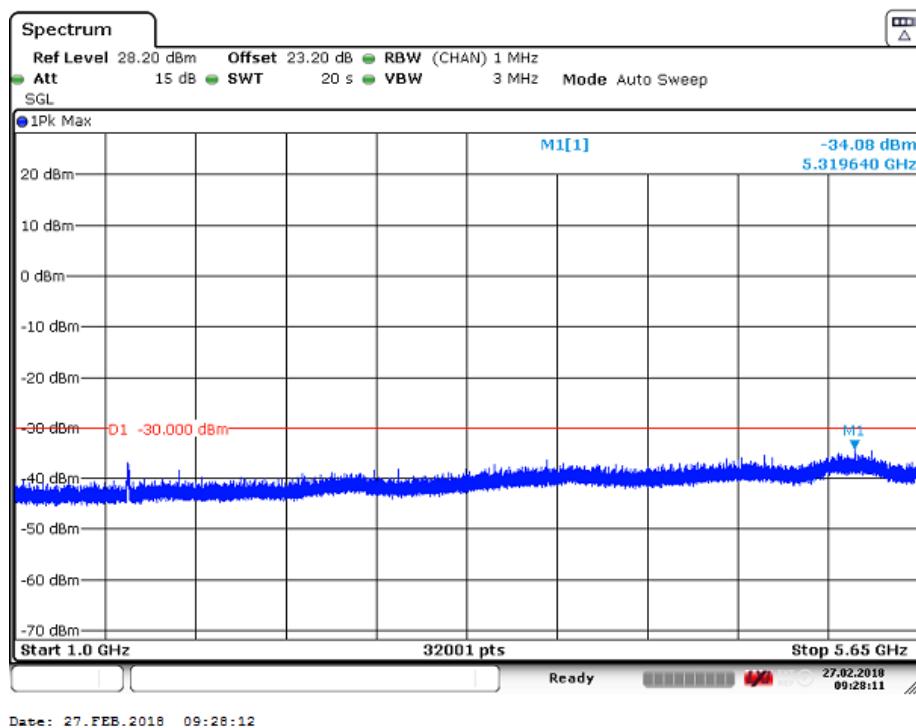


Date: 25.JAN.2018 10:47:22

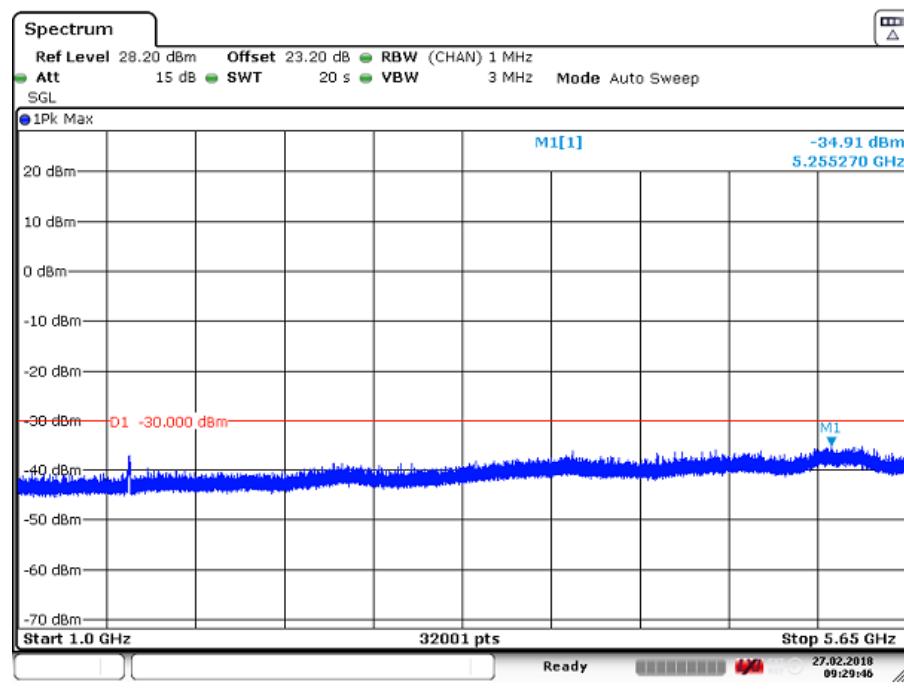
**Figure 314 Spurious Emissions (9kHz – 1GHz) – 16QAM (5785.0 MHz) (20MHz Channel BW)**



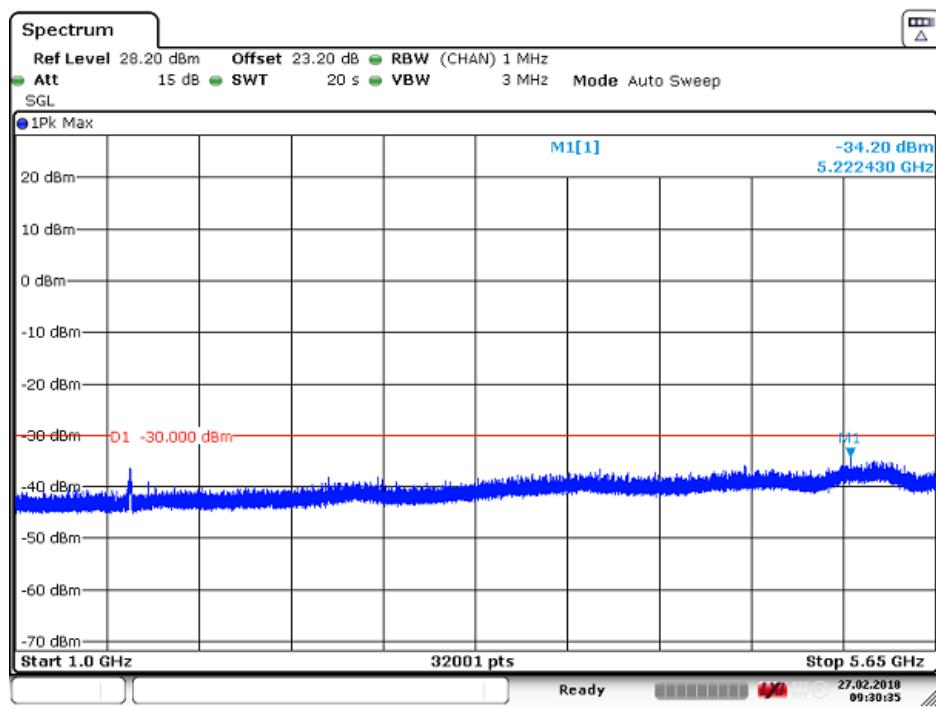
**Figure 315 Spurious Emissions (9kHz – 1GHz) – 256QAM (5785.0 MHz) (20MHz Channel BW)**



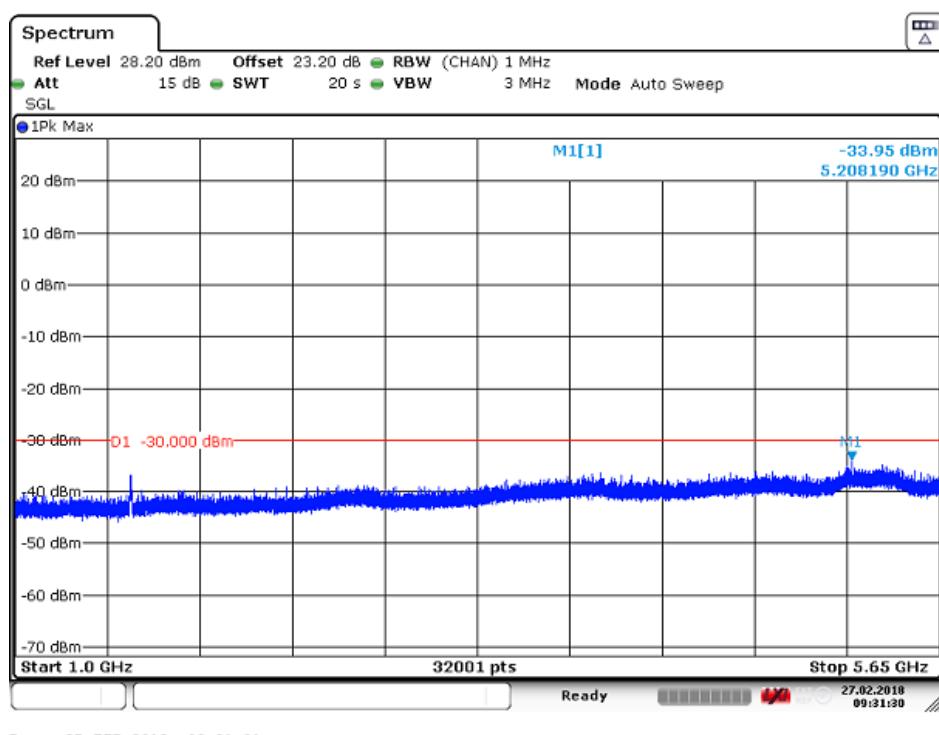
**Figure 316 Spurious Emissions (1 GHz – 5.65 GHz) – QPSK (5785.0 MHz) (20MHz Channel BW)**



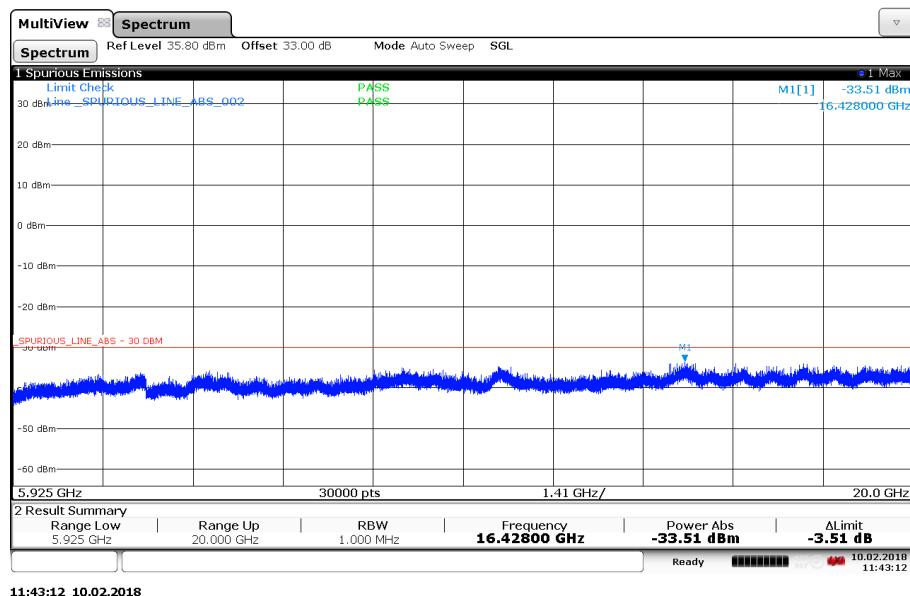
**Figure 317 Spurious Emissions (1 GHz – 5.65 GHz) – 64QAM (5785.0 MHz) (20MHz Channel BW)**



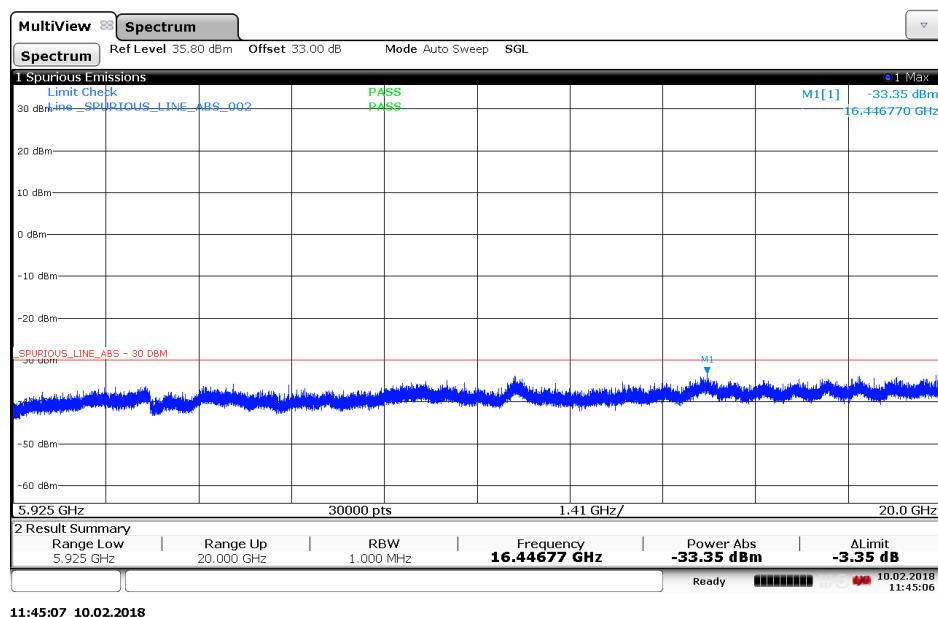
**Figure 318 Spurious Emissions (1 GHz – 5.65 GHz) – 16QAM (5785.0 MHz) (20MHz Channel BW)**



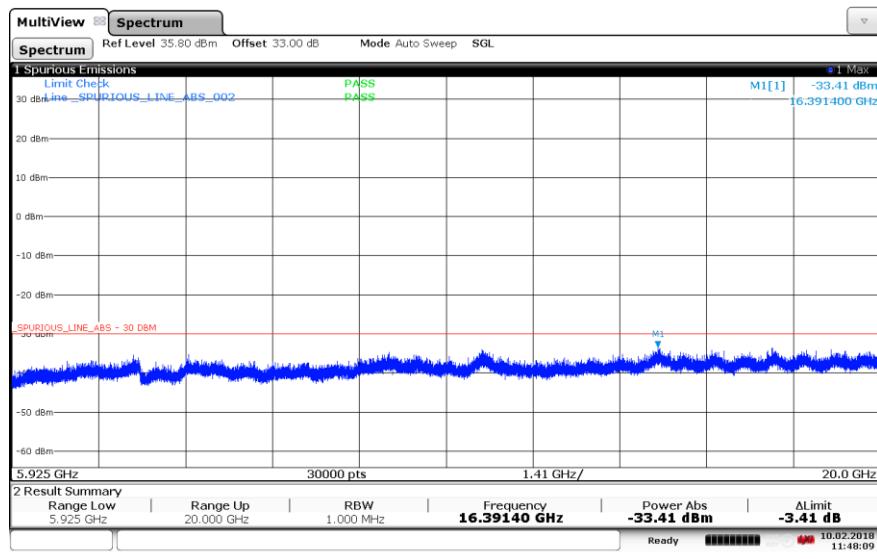
**Figure 319 Spurious Emissions (1 GHz – 5.65 GHz) – 256QAM (5785.0 MHz) (20MHz Channel BW)**



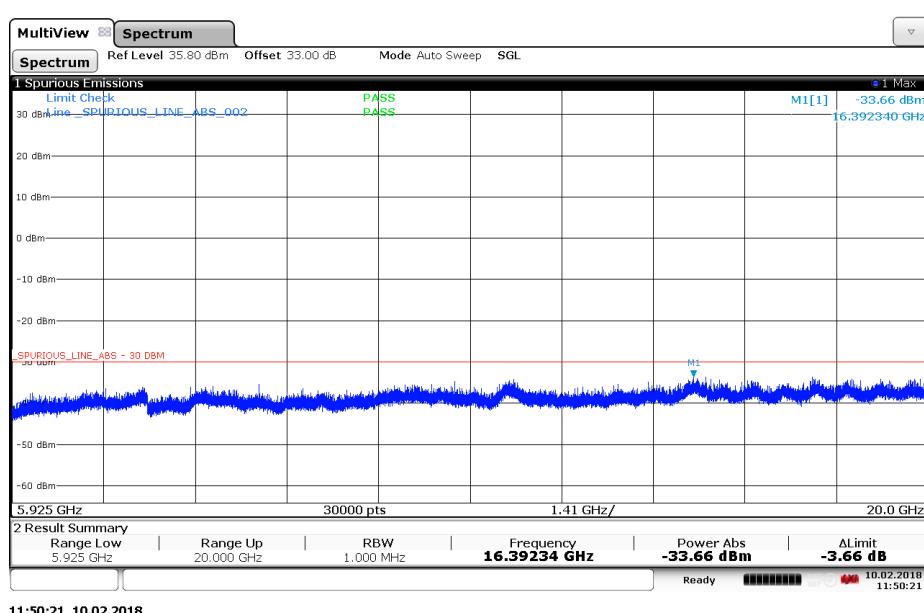
**Figure 320 Spurious Emissions (5.925 GHz – 20 GHz) – QPSK (5785.0 MHz) (20MHz Channel BW)**



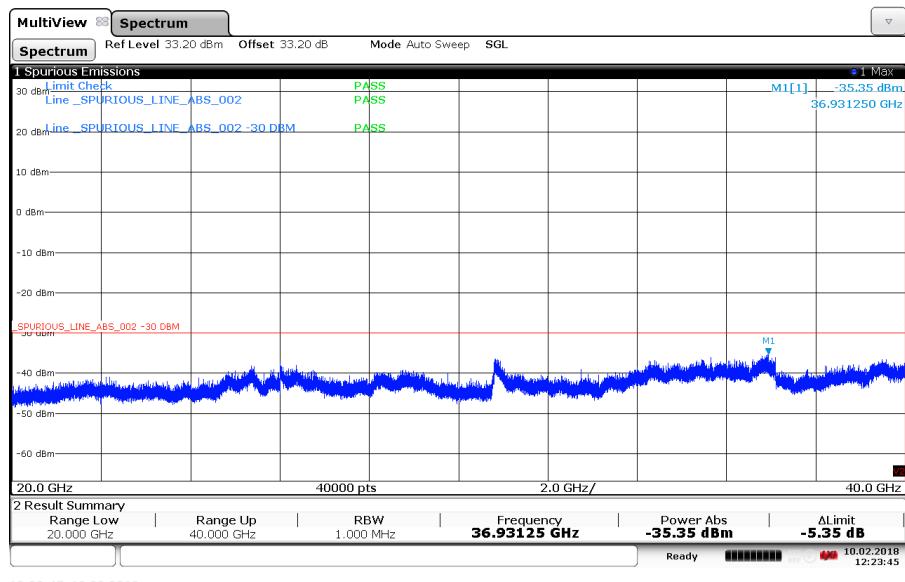
**Figure 321 Spurious Emissions (5.925 GHz – 20 GHz) – 64QAM (5785.0 MHz) (20MHz Channel BW)**



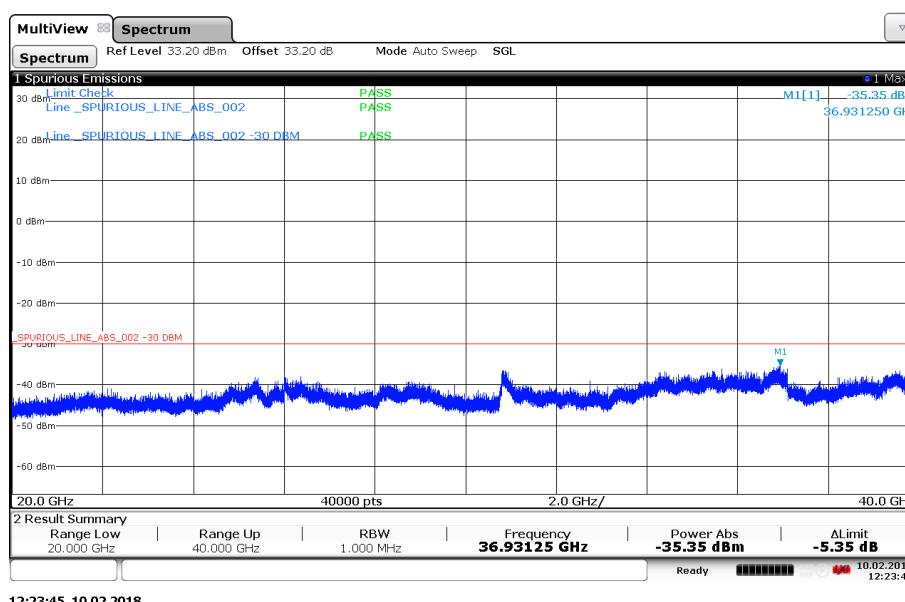
**Figure 322 Spurious Emissions (5.925 GHz – 20 GHz) – 16QAM (5785.0 MHz) (20MHz Channel BW)**



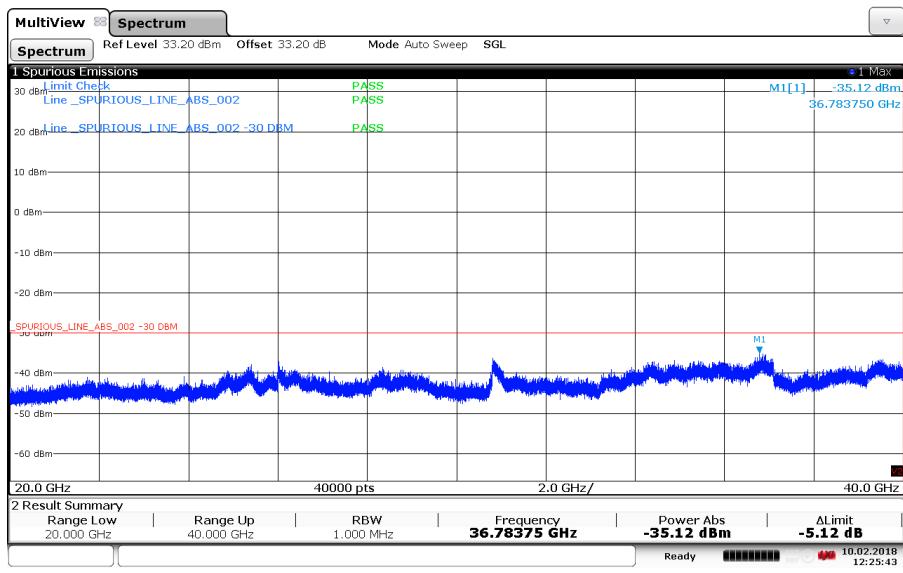
**Figure 323 Spurious Emissions (5.925 GHz – 20 GHz) – 256QAM (5785.0 MHz) (20MHz Channel BW)**



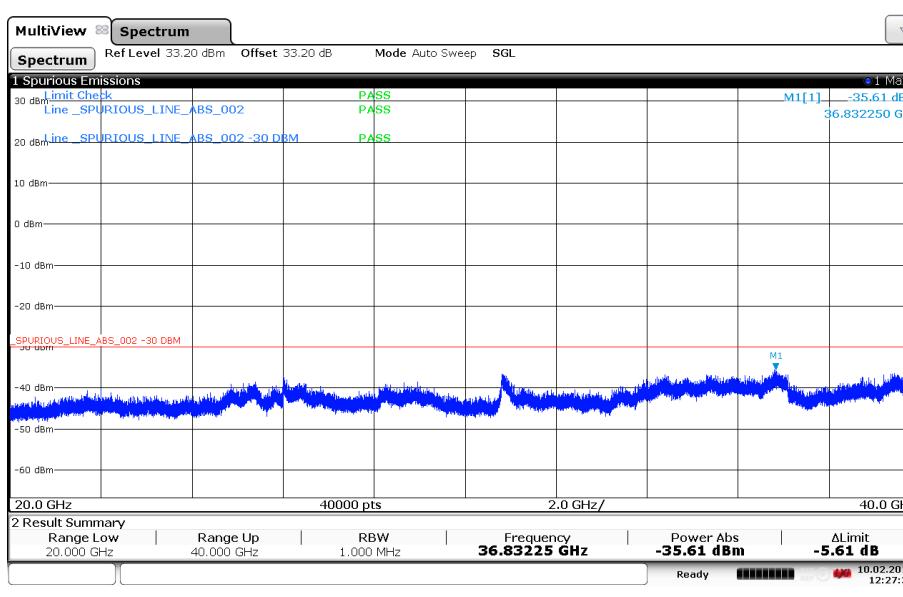
**Figure 324 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5785.0 MHz) (20MHz Channel BW)**



**Figure 325 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5785.0 MHz) (20MHz Channel BW)**

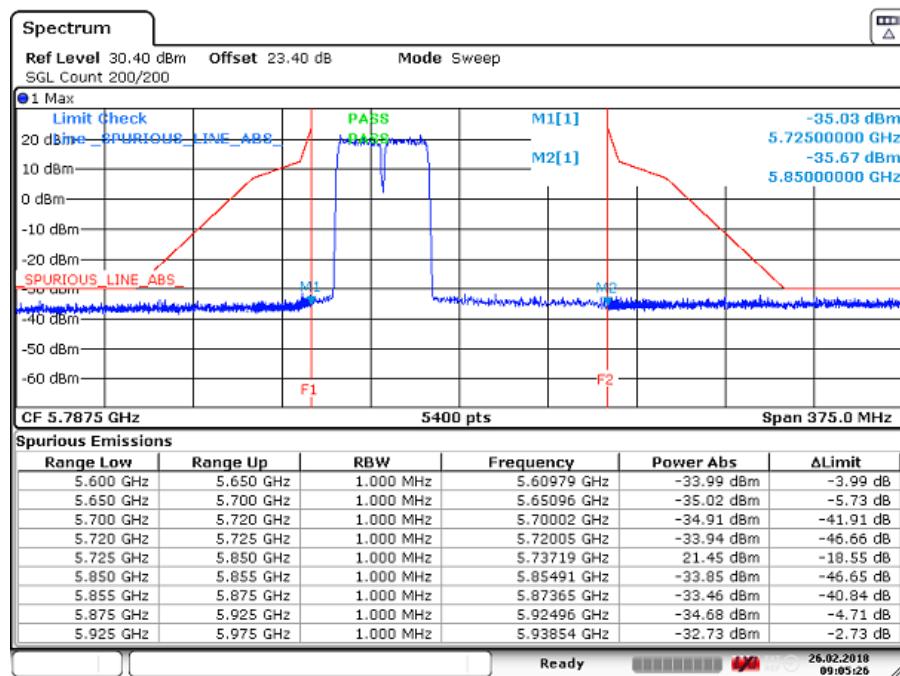


**Figure 326 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5785.0 MHz) (20MHz Channel BW)**

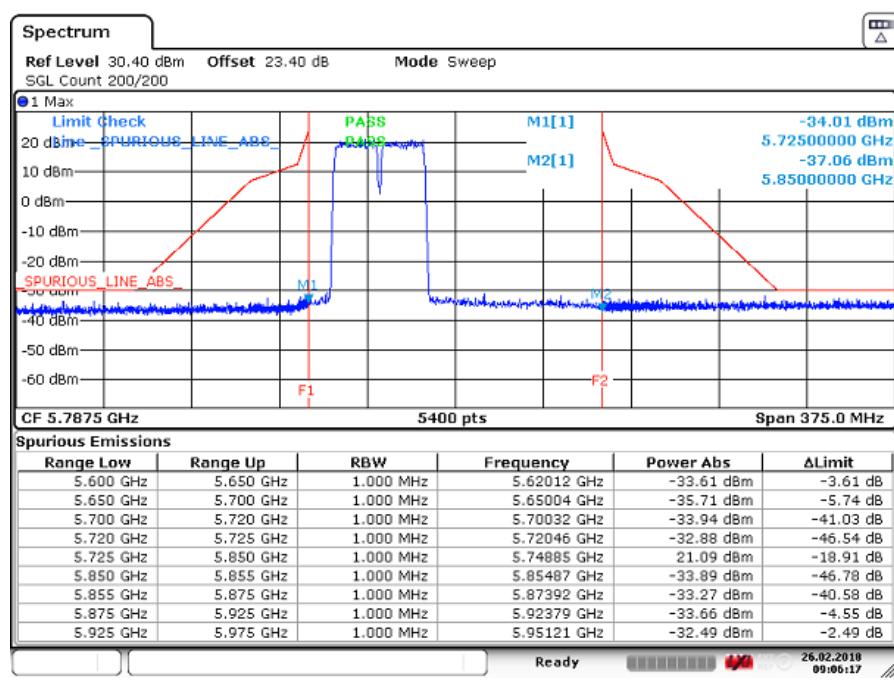


**Figure 327 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5785.0 MHz) (20MHz Channel BW)**

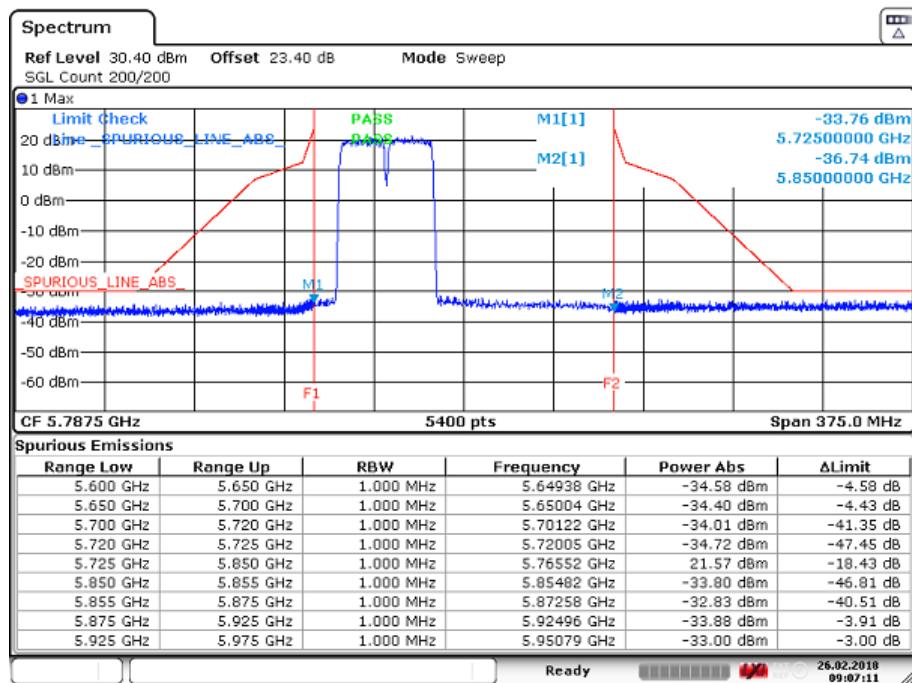
### Config B ANT2:



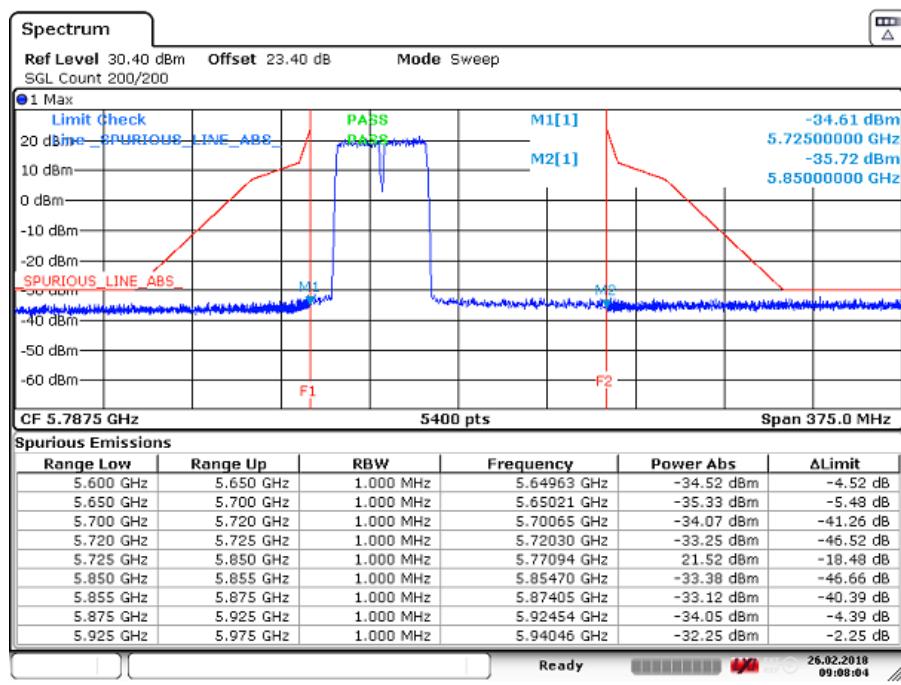
**Figure 328 Spurious Emissions (Lower Band Edge) – QPSK (5745.0/ 5765.0 MHz) (2 X 20MHz Channel BW)**



**Figure 329 Spurious Emissions (Lower Band Edge) – 64QAM (5745.0/ 5765.0 MHz) (2 X 20MHz Channel BW)**

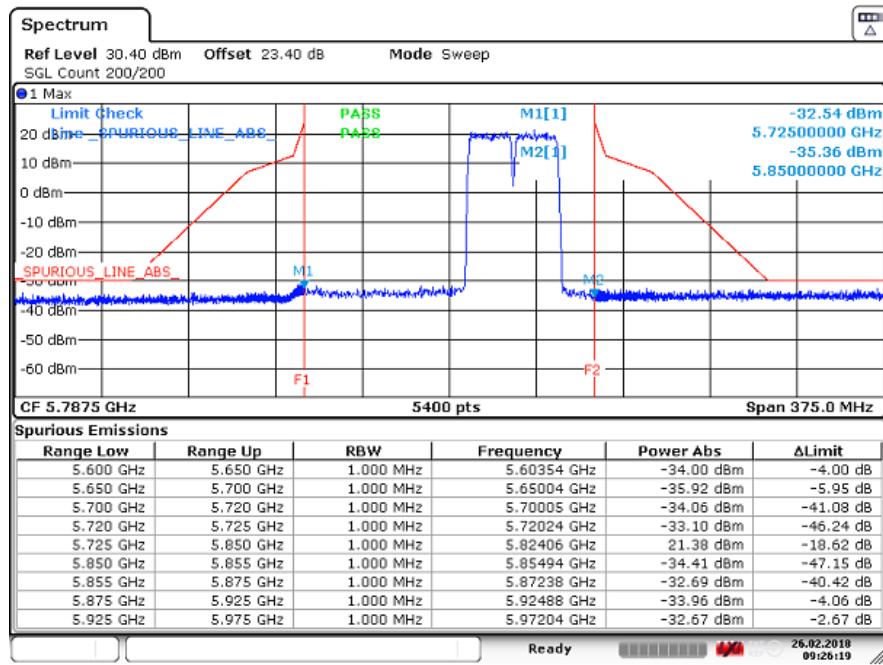


**Figure 330 Spurious Emissions (Lower Band Edge) – 16QAM (5745.0/ 5765.0 MHz) (2 X 20MHz Channel BW)**



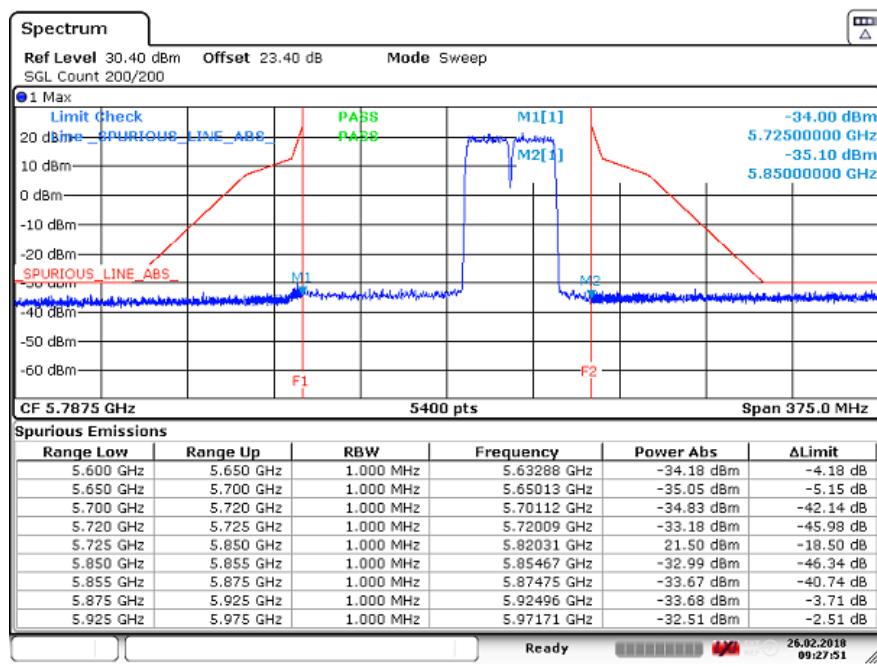
Date: 26.FEB.2018 09:08:05

**Figure 331 Spurious Emissions (Lower Band Edge) – 256QAM (5745.0/ 5765.0 MHz) (2 X 20MHz Channel BW)**



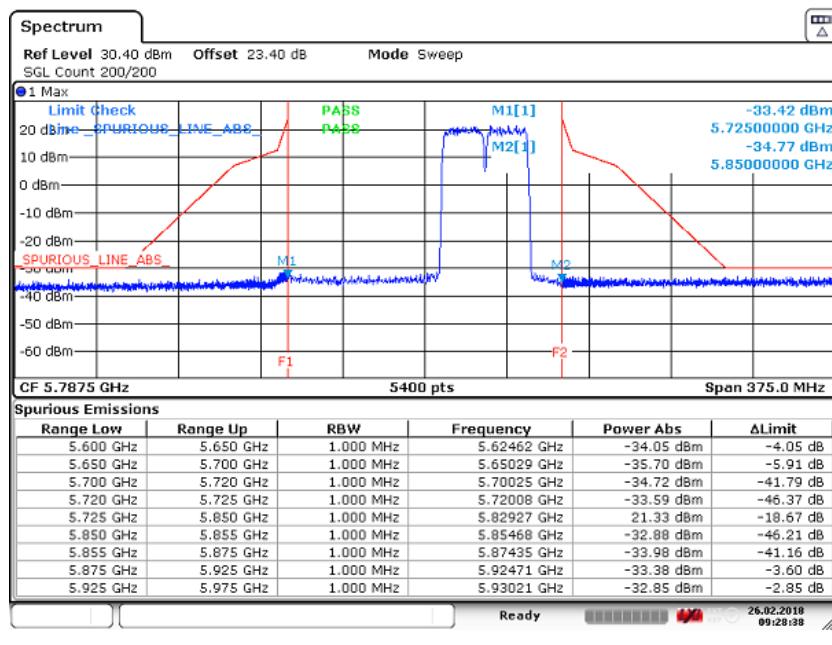
Date: 26.FEB.2018 09:26:20

**Figure 332 Spurious Emissions (Upper Band Edge) – QPSK (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)**



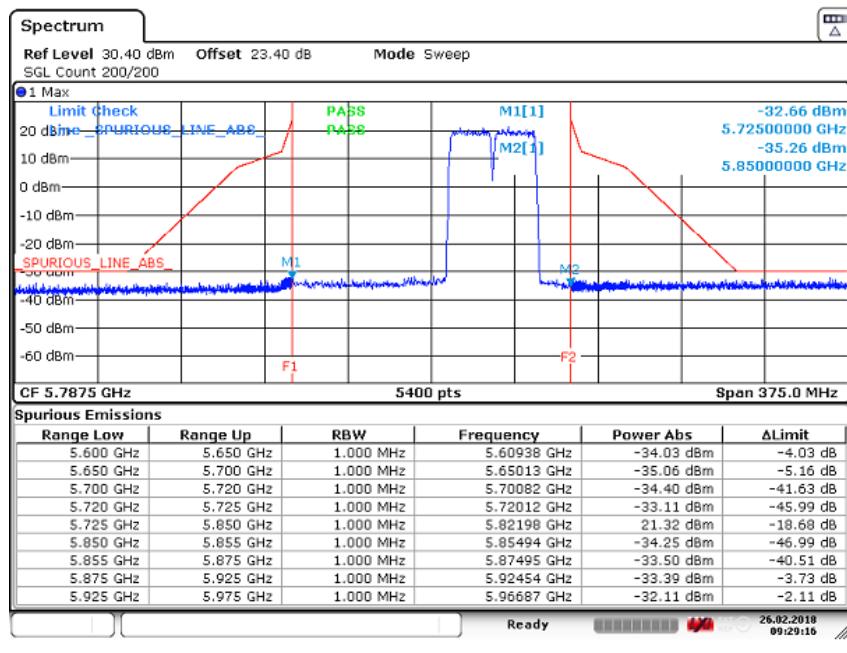
Date: 26.FEB.2018 09:27:51

**Figure 333 Spurious Emissions (Upper Band Edge) – 64QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)**

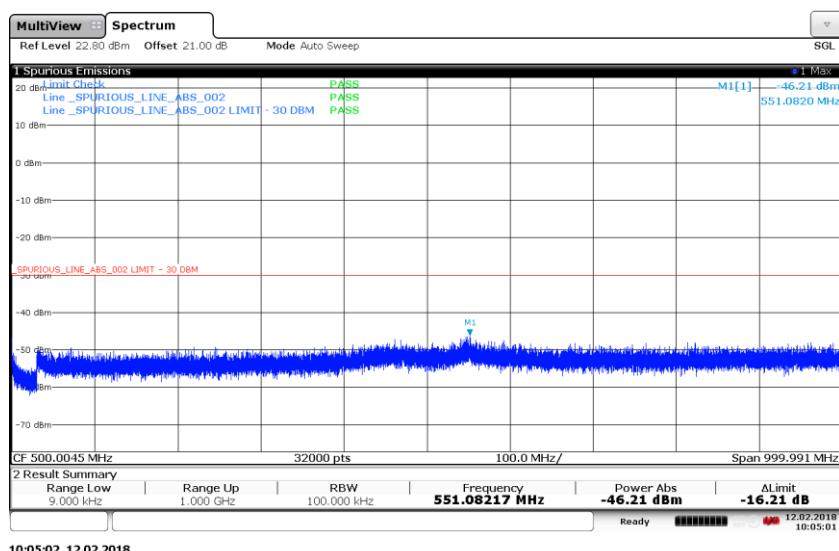


Date: 26.FEB.2018 09:28:39

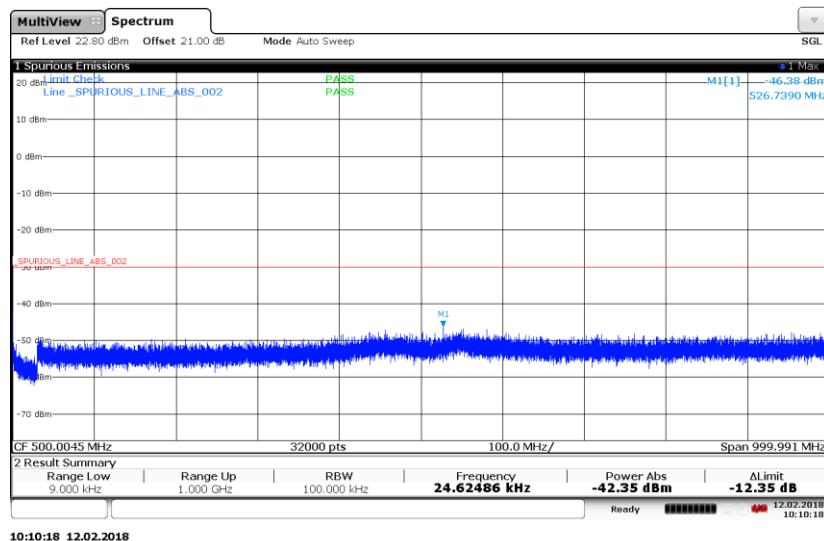
**Figure 334 Spurious Emissions (Upper Band Edge) – 16QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)**



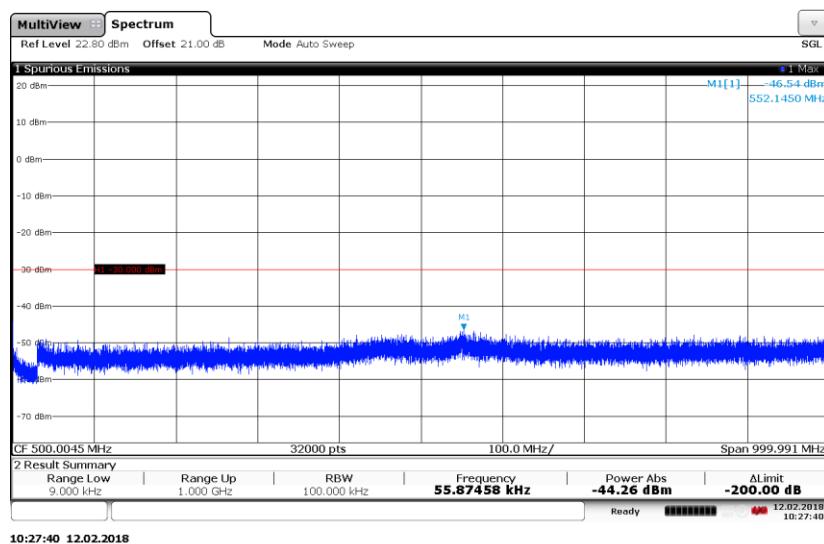
**Figure 335 Spurious Emissions (Upper Band Edge) – 256QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)**



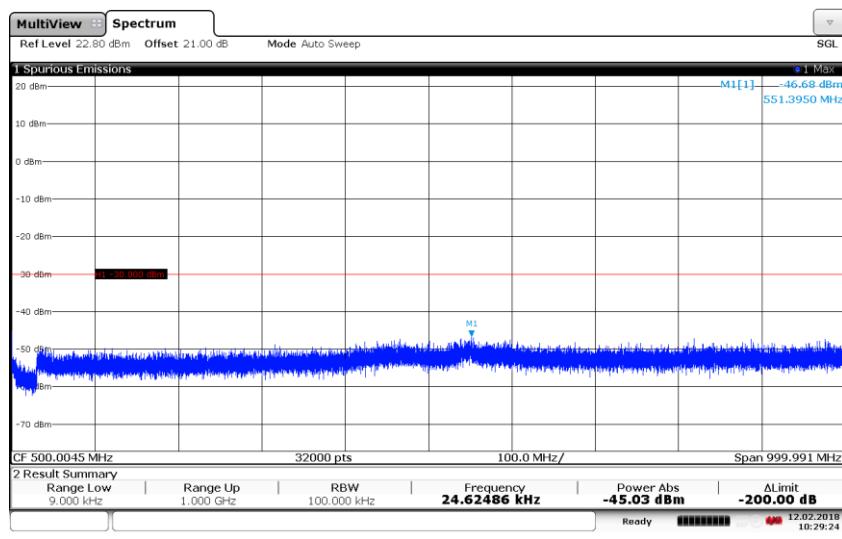
**Figure 336 Spurious Emissions (9kHz – 1GHz) - QPSK (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



**Figure 337 Spurious Emissions (9kHz – 1GHz) – 64QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**

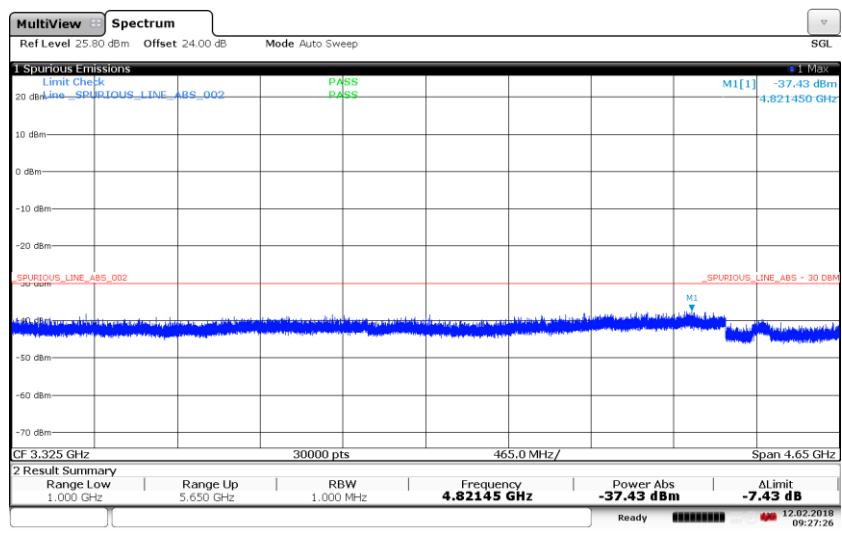


**Figure 338 Spurious Emissions (9kHz – 1GHz) – 16QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



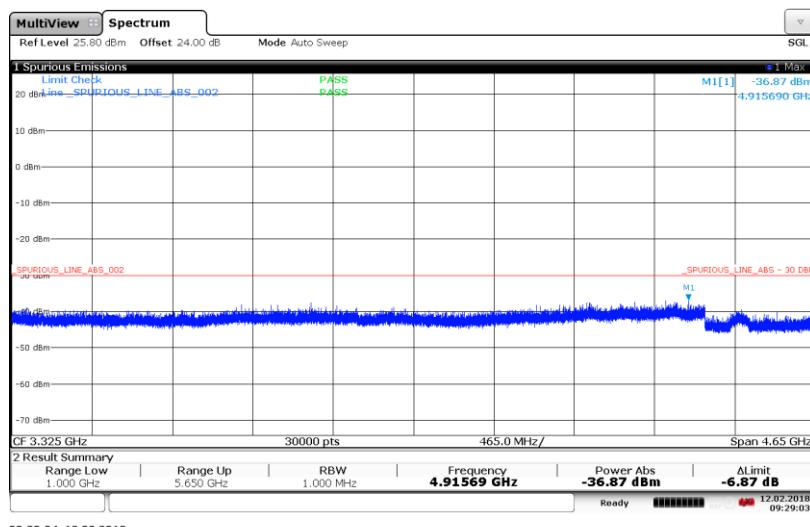
10:29:25 12.02.2018

**Figure 339 Spurious Emissions (9kHz – 1GHz) – 256QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**

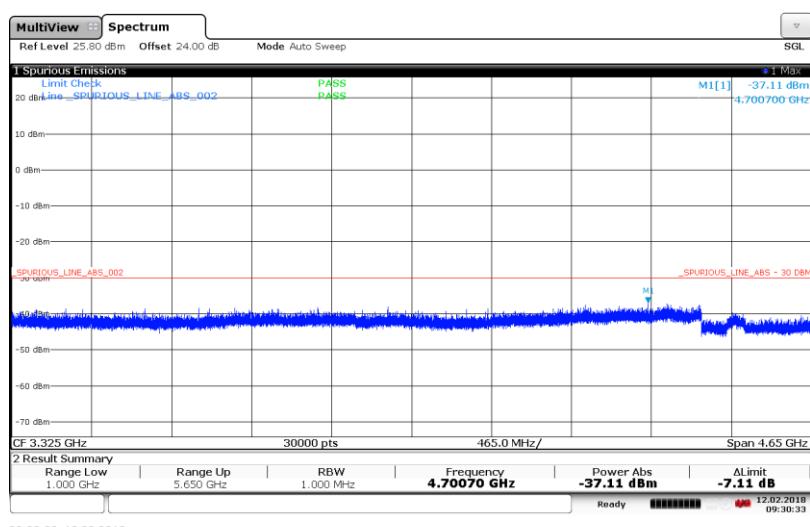


09:27:27 12.02.2018

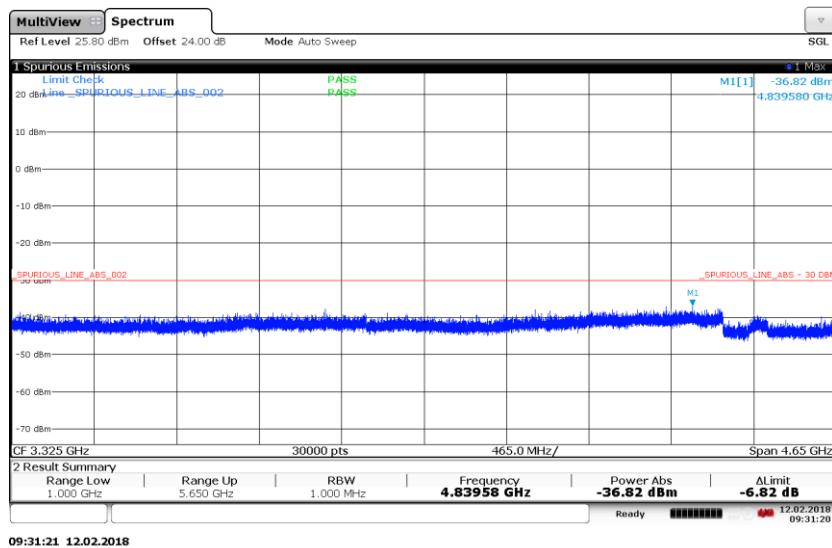
**Figure 340 Spurious Emissions (1 GHz – 5.65 GHz) – QPSK (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



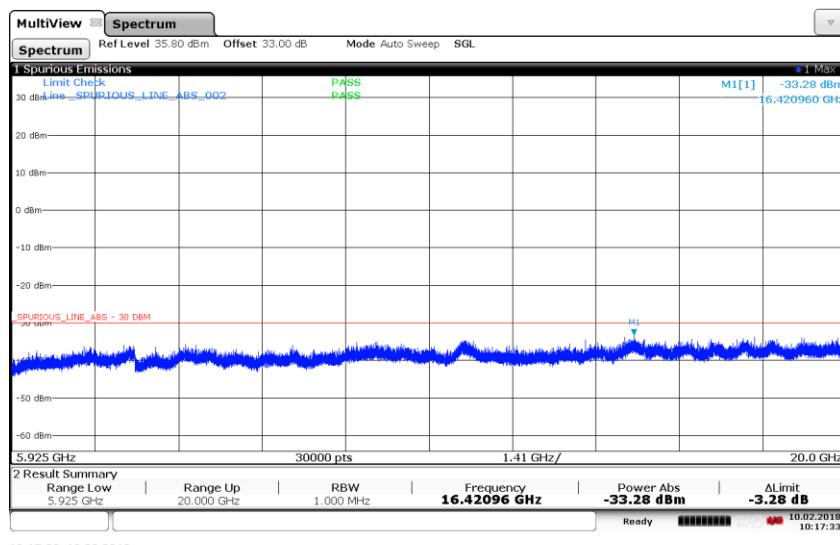
**Figure 341 Spurious Emissions (1 GHz – 5.65 GHz) – 64QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



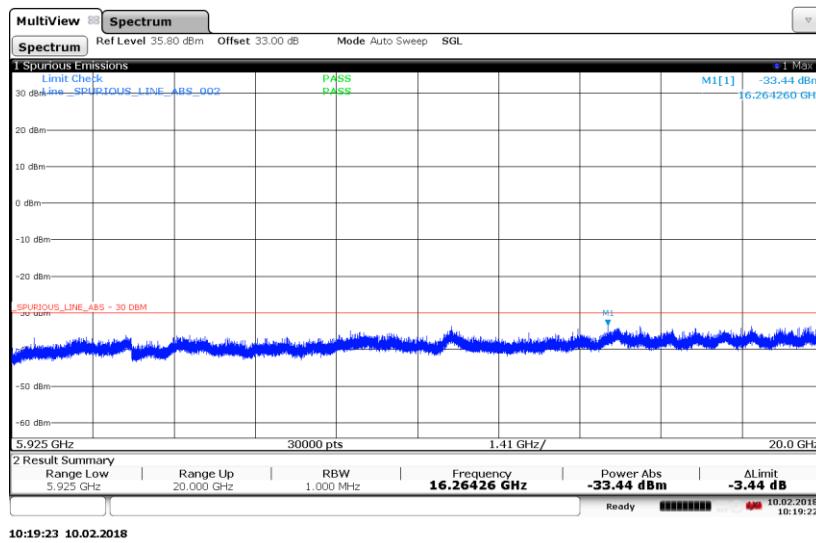
**Figure 342 Spurious Emissions (1 GHz – 5.65 GHz) – 16QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



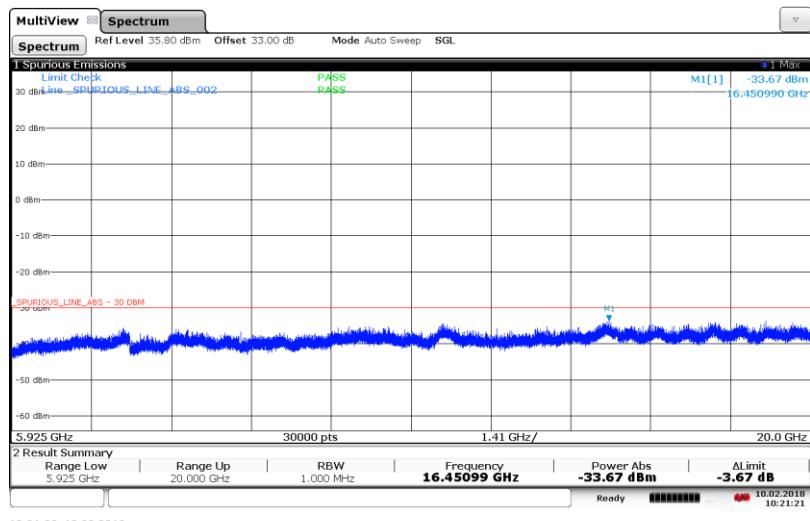
**Figure 343 Spurious Emissions (1 GHz – 5.65 GHz) – 256QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



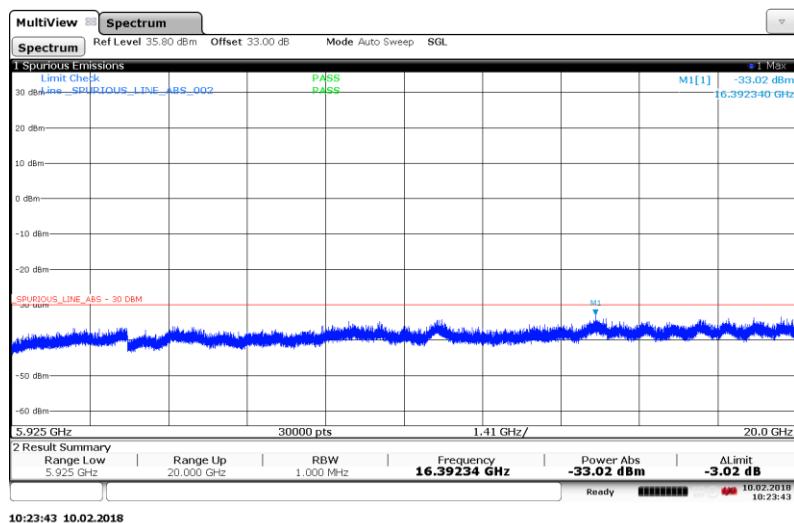
**Figure 344 Spurious Emissions (5.925 GHz – 20 GHz) – QPSK (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



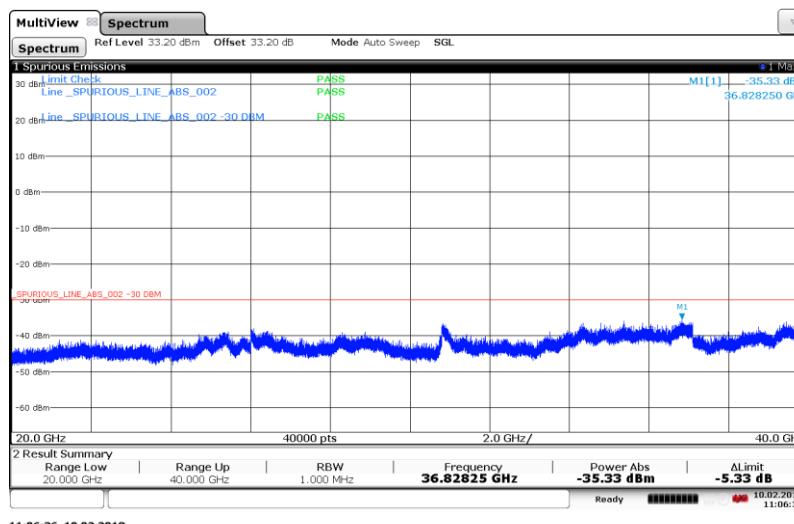
**Figure 345 Spurious Emissions (5.925 GHz – 20 GHz) – 64QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



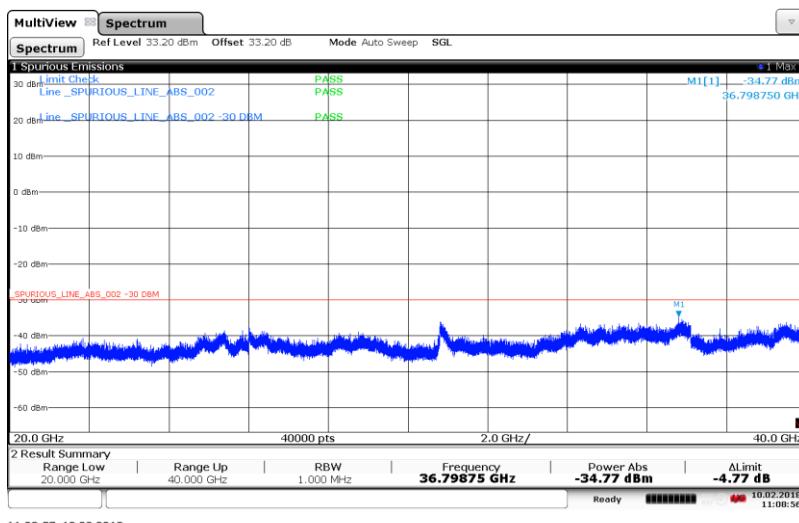
**Figure 346 Spurious Emissions (5.925 GHz – 20 GHz) – 16QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



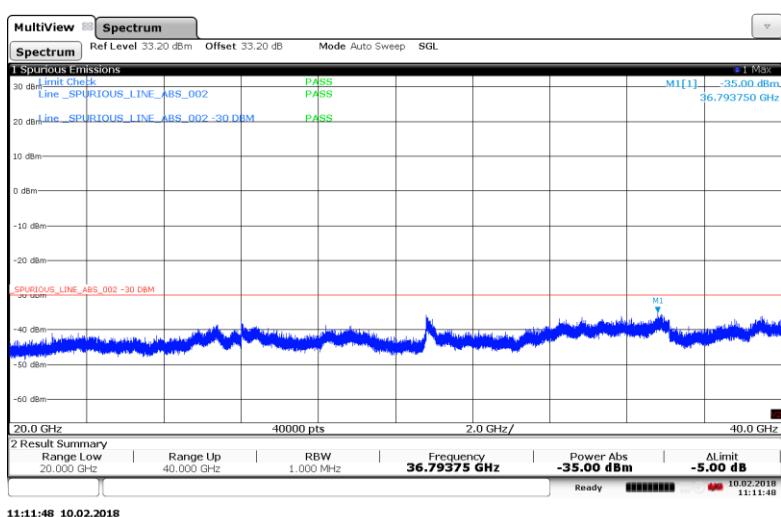
**Figure 347 Spurious Emissions (5.925 GHz – 20 GHz) – 256QAM (5765.0/ 5785.0 MHz) (2 X 20MHz Channel BW)**



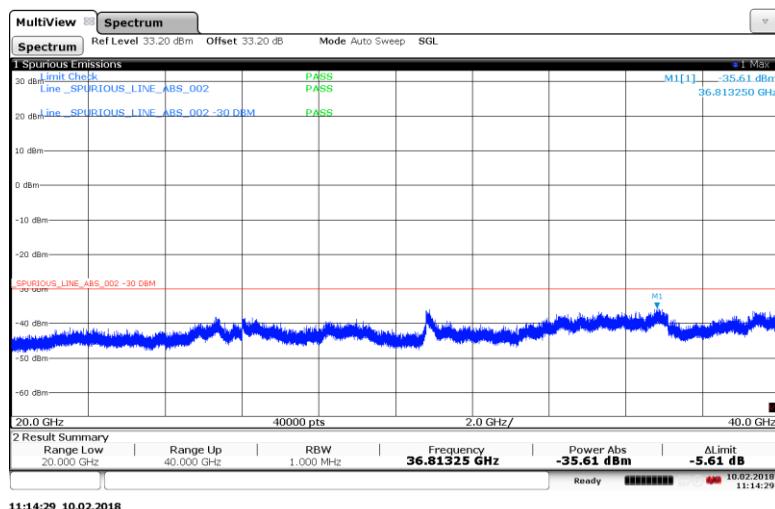
**Figure 348 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5765.0/ 5785.0MHz) (2 X 20MHz Channel BW)**



**Figure 349 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5765.0/ 5785.0MHz) (2 X 20MHz Channel BW)**

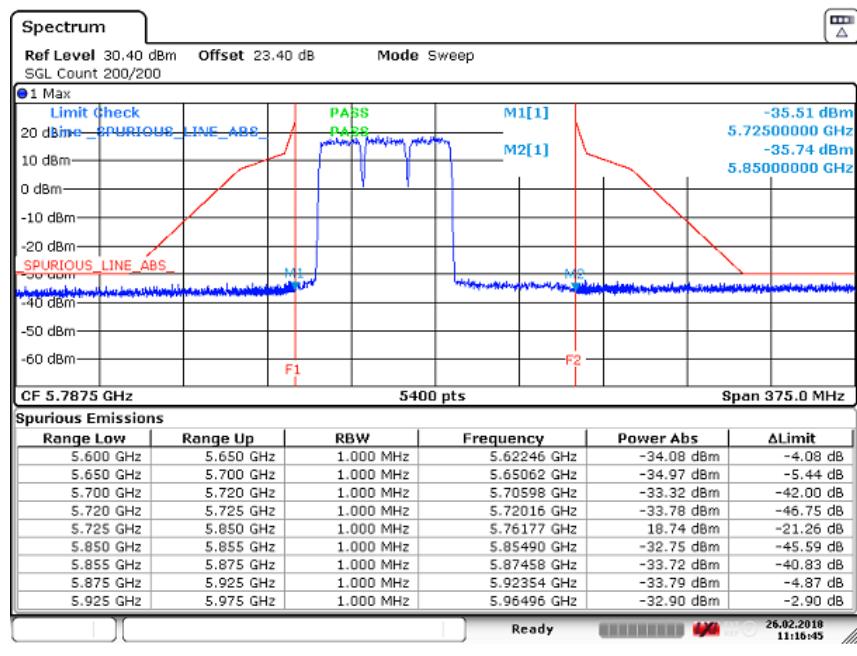


**Figure 350 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5765.0/ 5785.0MHz) (2 X 20MHz Channel BW)**

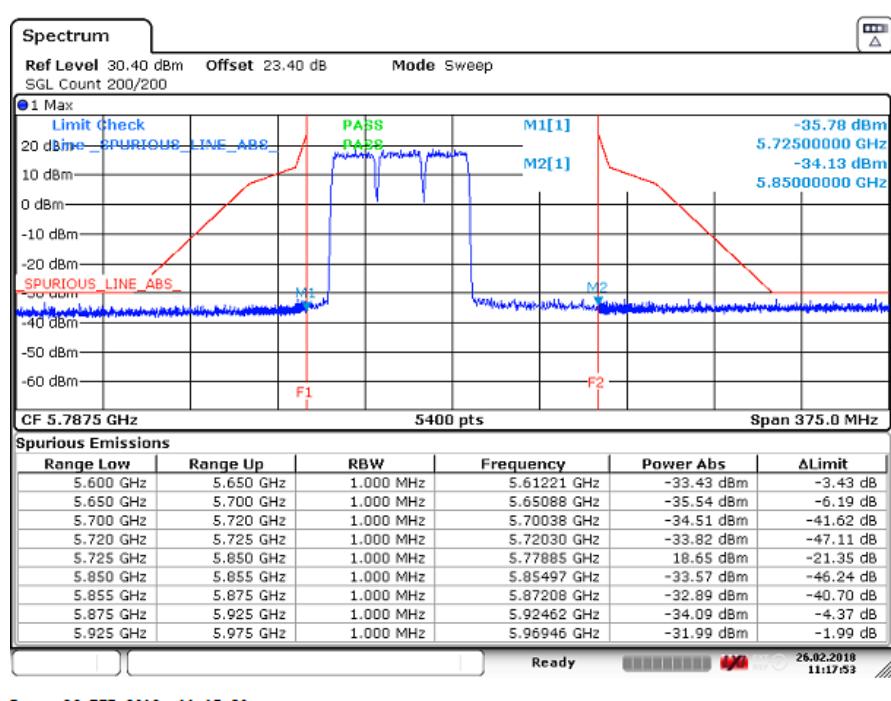


**Figure 351 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5765.0/ 5785.0MHz) (2 X 20MHz Channel BW)**

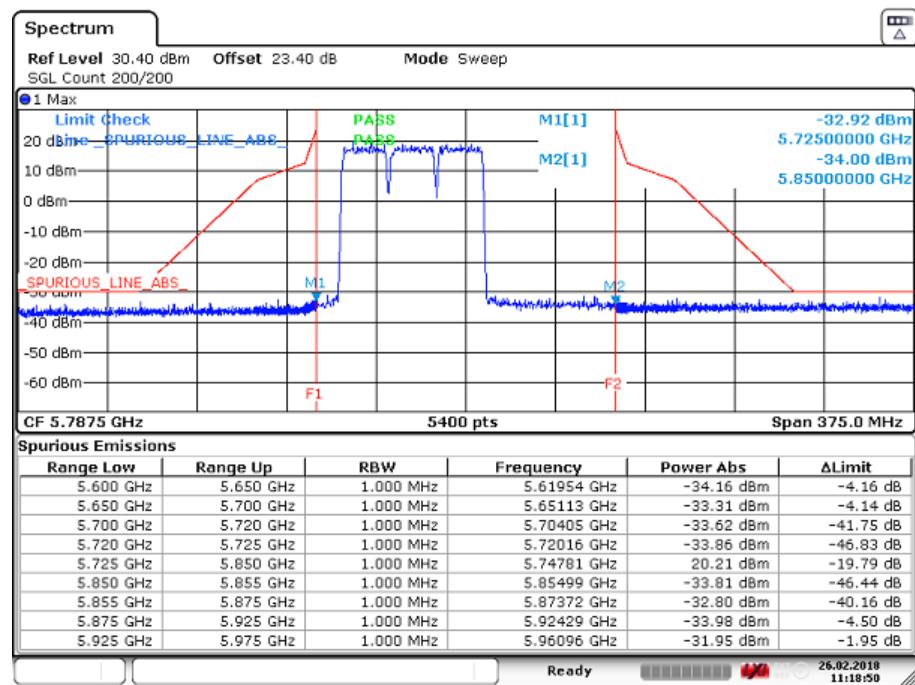
**Config C ANT2:**



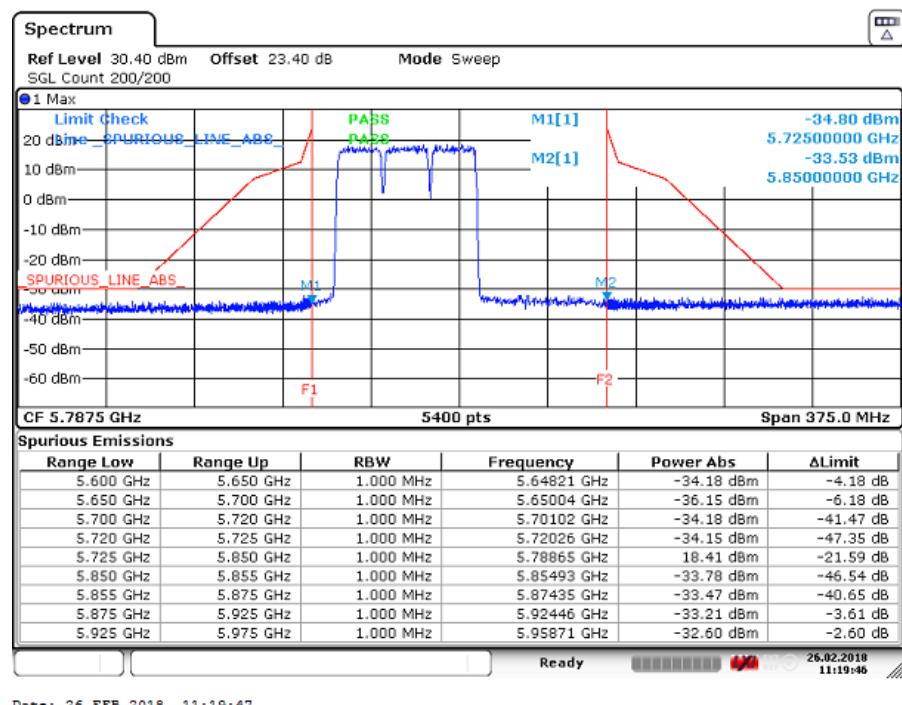
**Figure 352 Spurious Emissions (Lower Band Edge) – QPSK (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)**



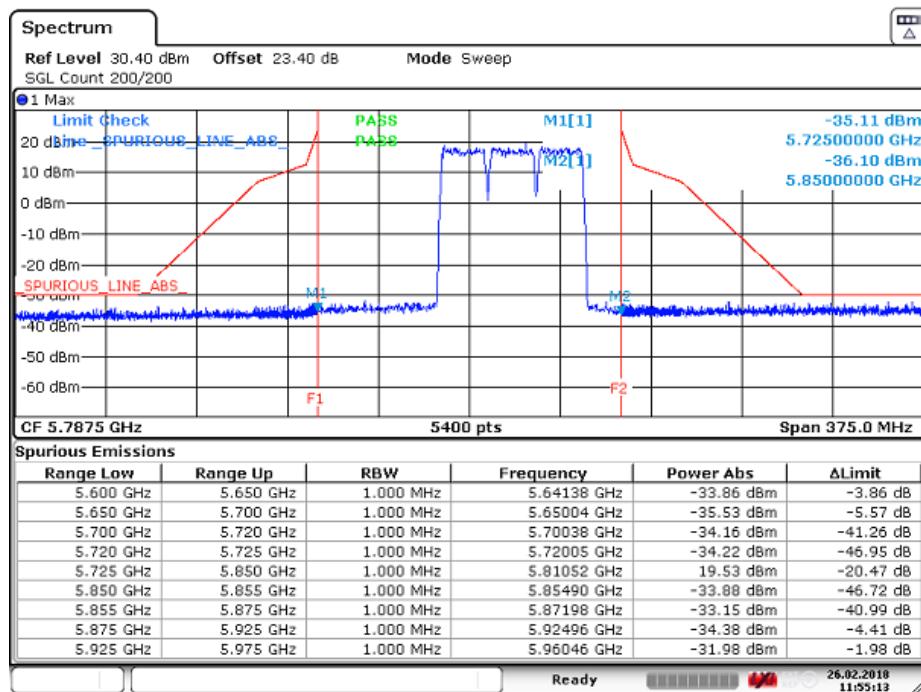
**Figure 353 Spurious Emissions (Lower Band Edge) – 64QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)**



**Figure 354 Spurious Emissions (Lower Band Edge) – 16QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)**



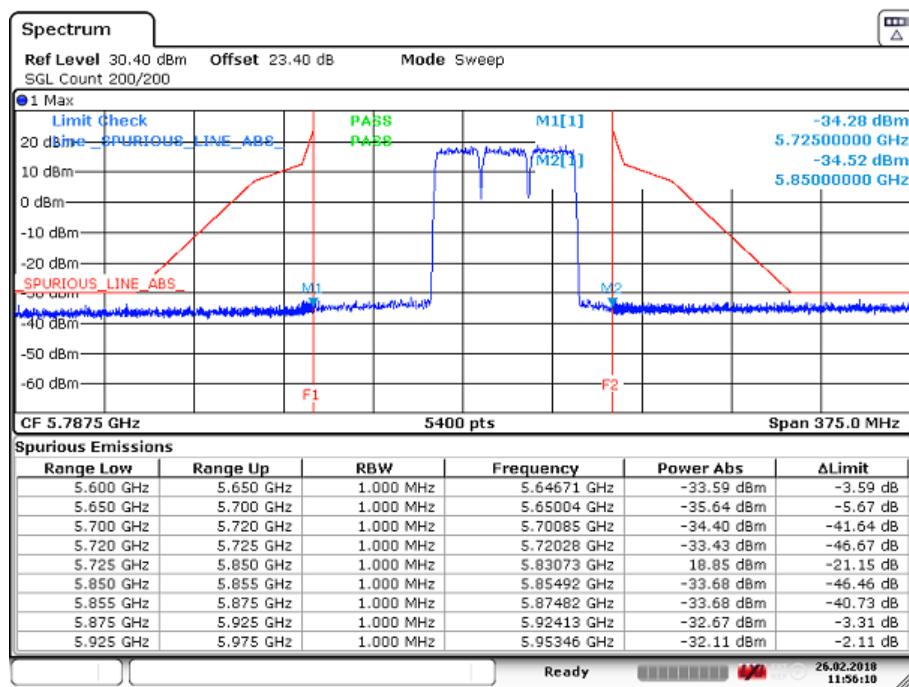
**Figure 355 Spurious Emissions (Lower Band Edge) – 256QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)**



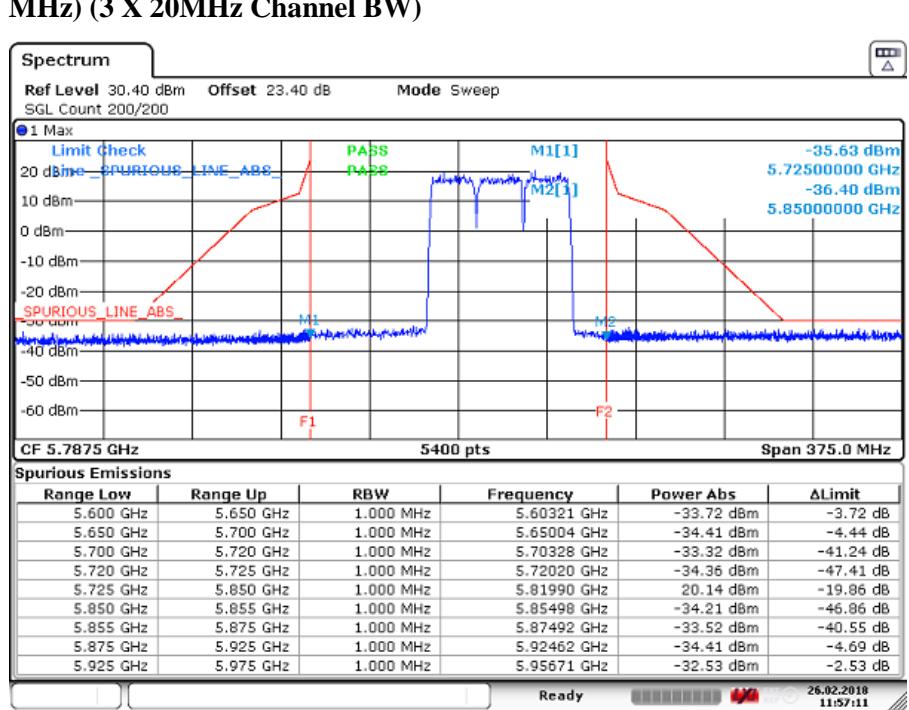
Date: 26.FEB.2018 11:55:13

26.02.2018  
11:55:13

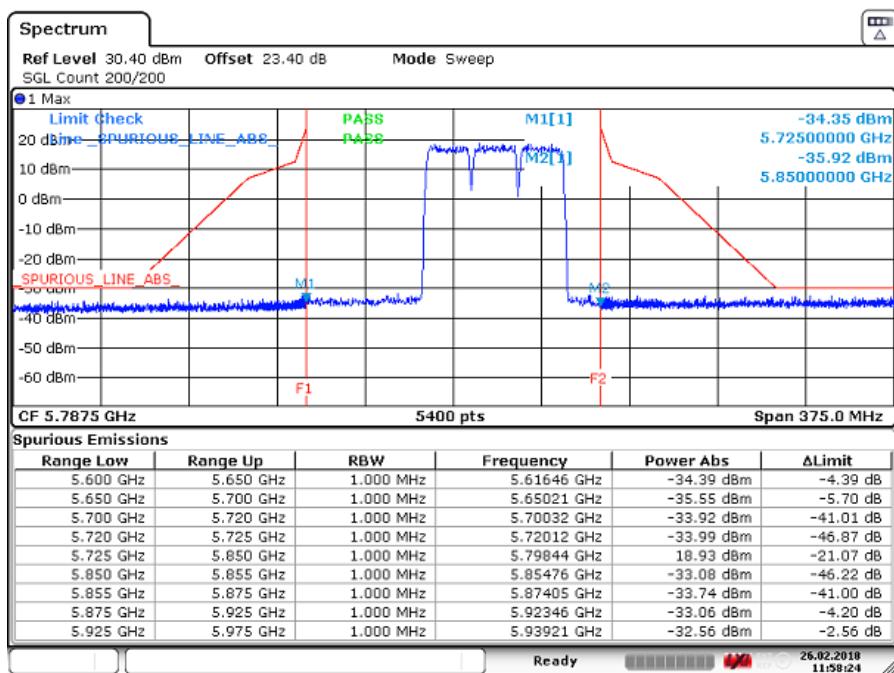
**Figure 356 Spurious Emissions (Upper Band Edge) – QPSK (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)**



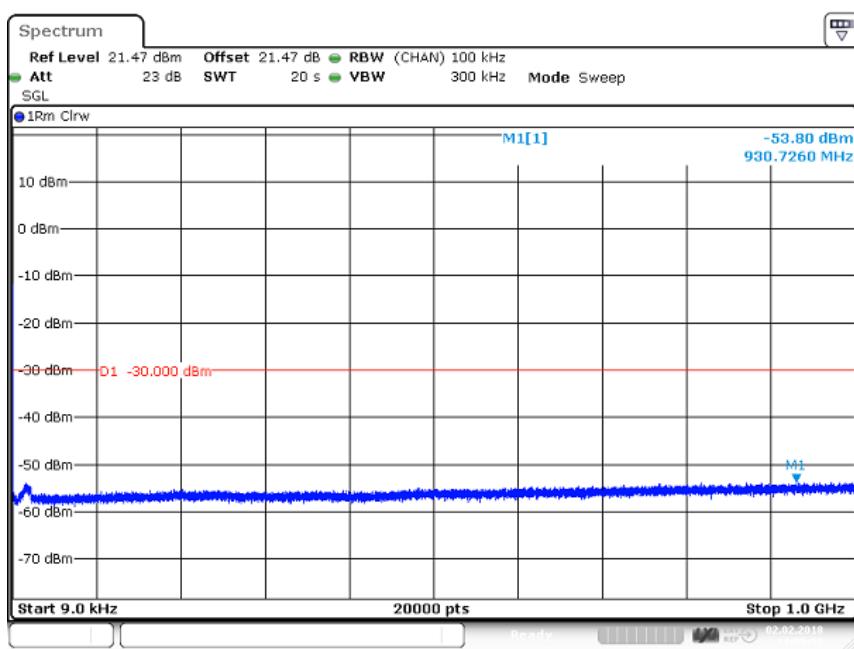
**Figure 357 Spurious Emissions (Upper Band Edge) – 64QAM (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)**



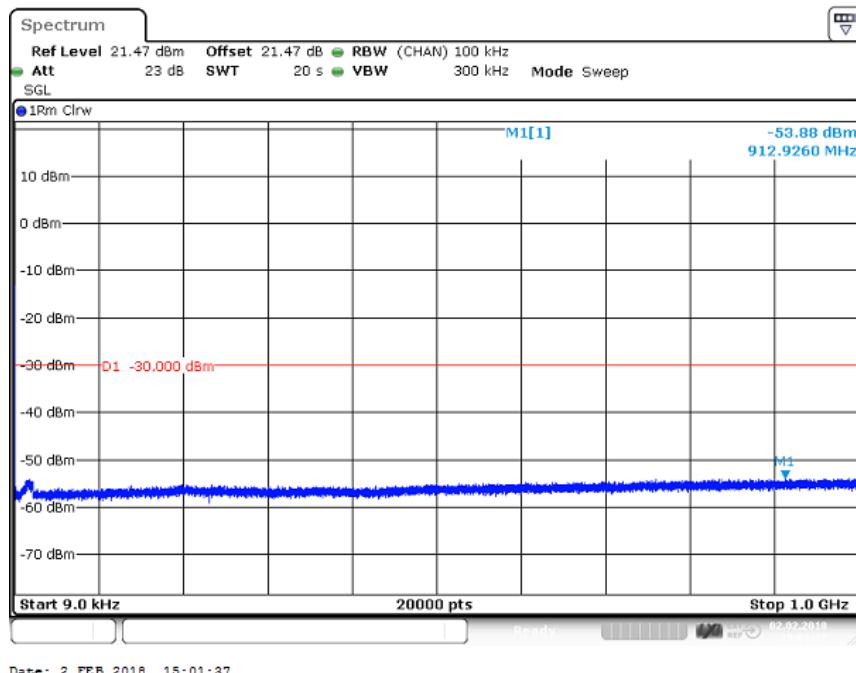
**Figure 358 Spurious Emissions (Upper Band Edge) – 16QAM (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)**



**Figure 359 Spurious Emissions (Upper Band Edge) – 256QAM (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)**

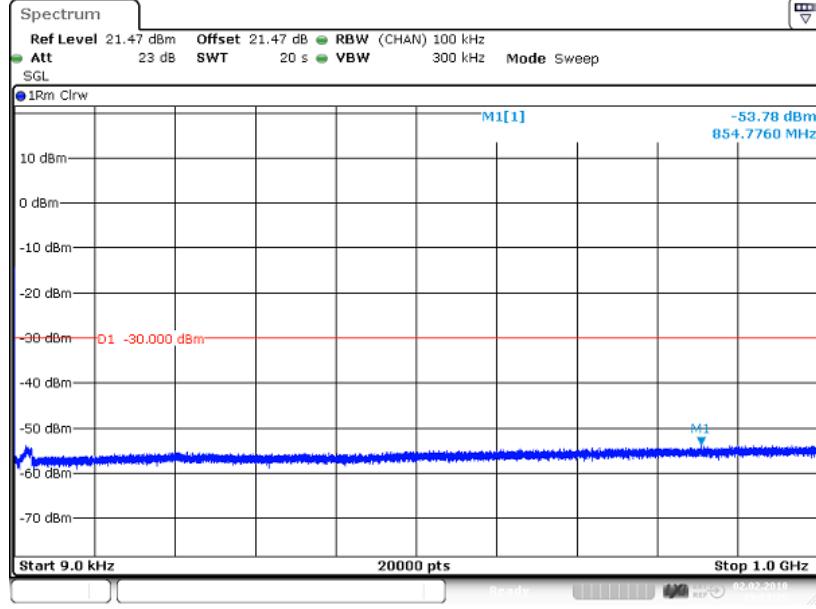


**Figure 360 Spurious Emissions (9kHz – 1GHz) - QPSK (5765.0/ 5787.0/ 5805.0 MHz)**



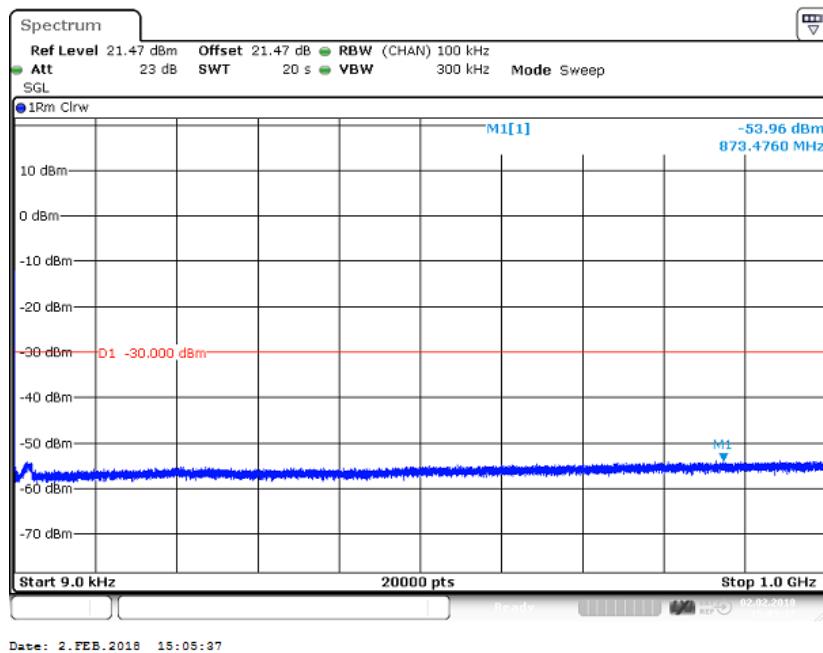
Date: 2.FEB.2018 15:01:37

**Figure 361 Spurious Emissions (9kHz – 1GHz) – 64QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**

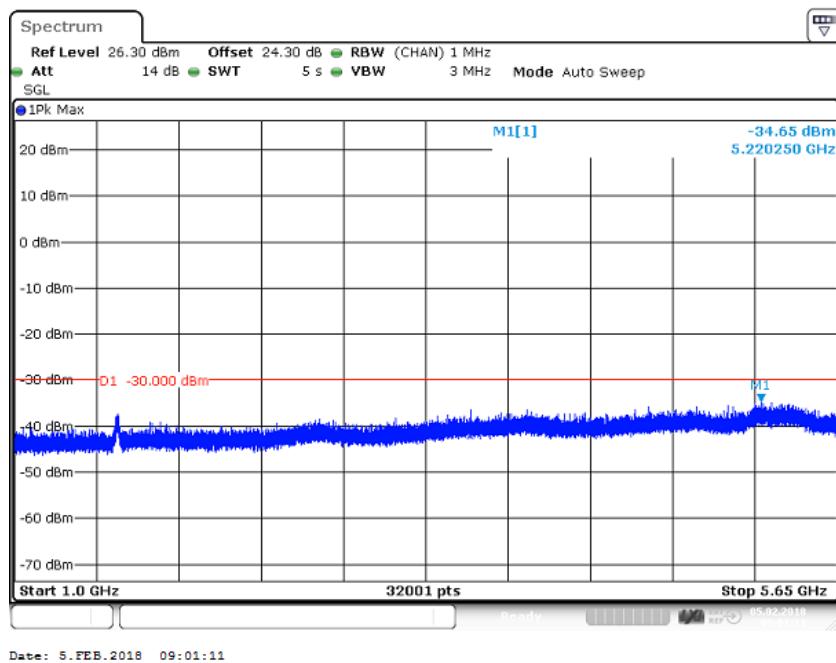


Date: 2.FEB.2018 15:03:26

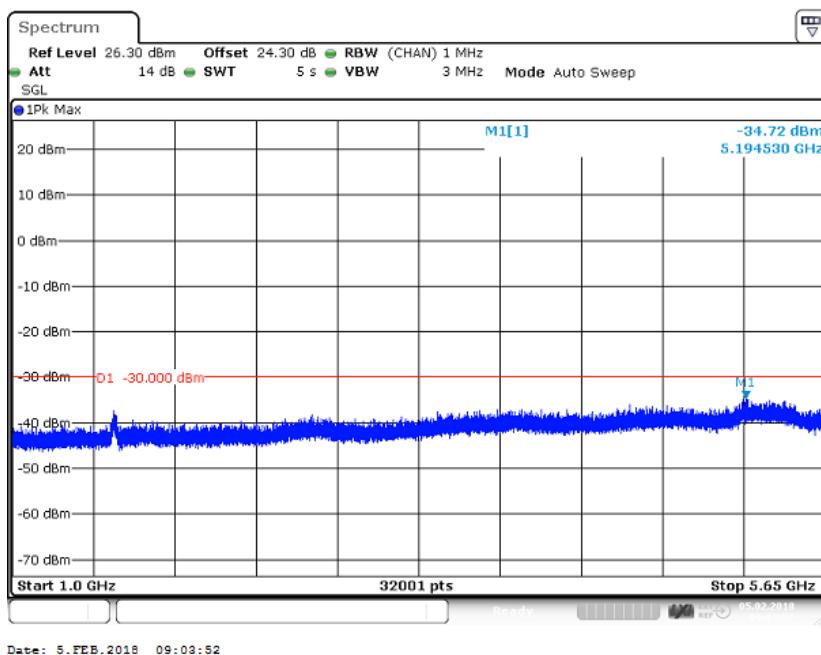
**Figure 362 Spurious Emissions (9kHz – 1GHz) – 16QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



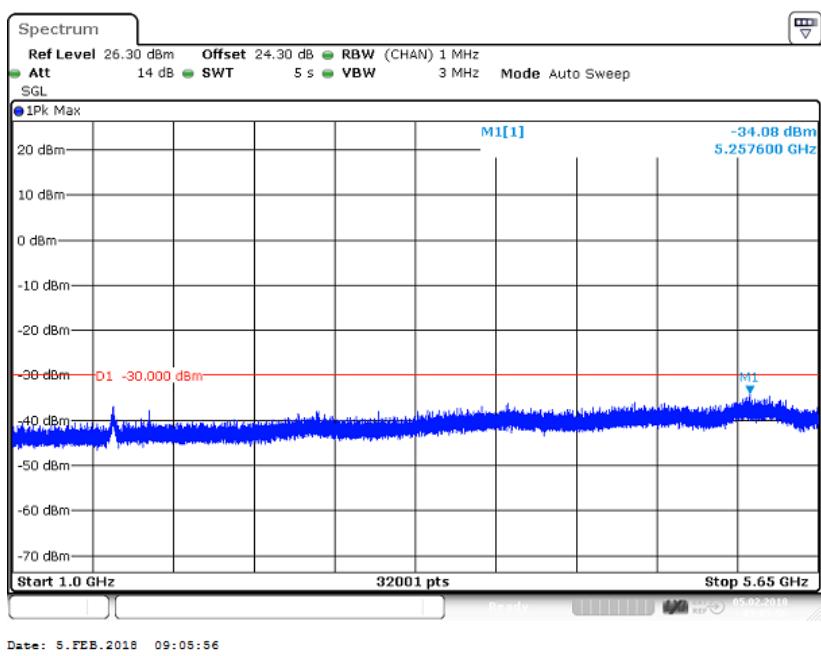
**Figure 363 Spurious Emissions (9kHz – 1GHz) – 256QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



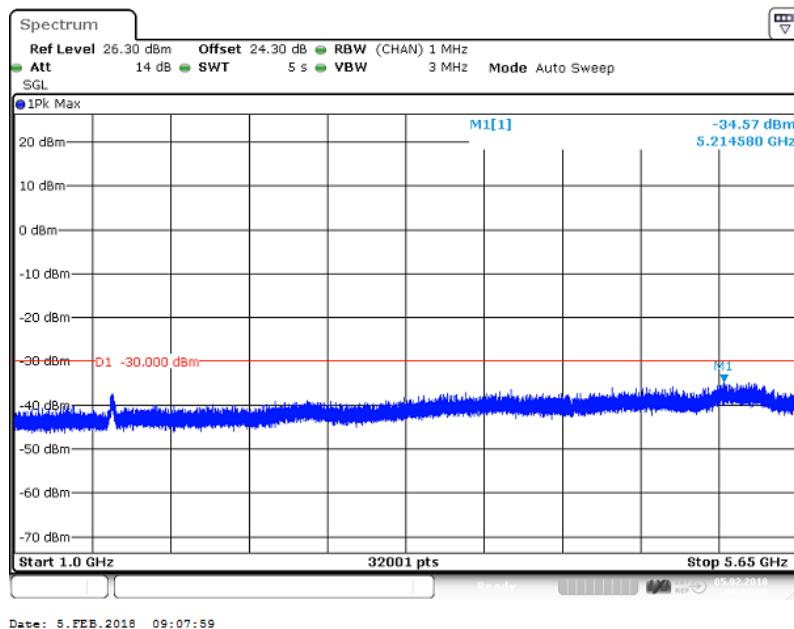
**Figure 364 Spurious Emissions (1 GHz – 5.65 GHz) – QPSK (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



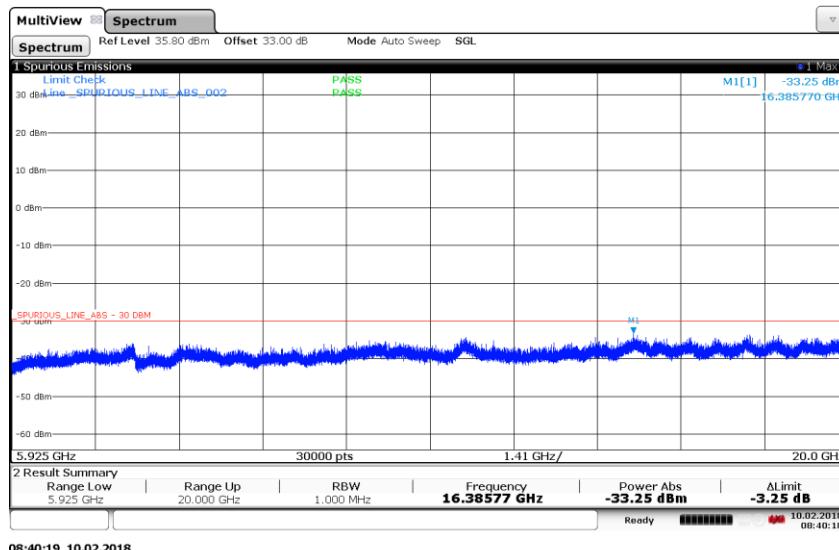
**Figure 365 Spurious Emissions (1 GHz – 5.65 GHz) – 64QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



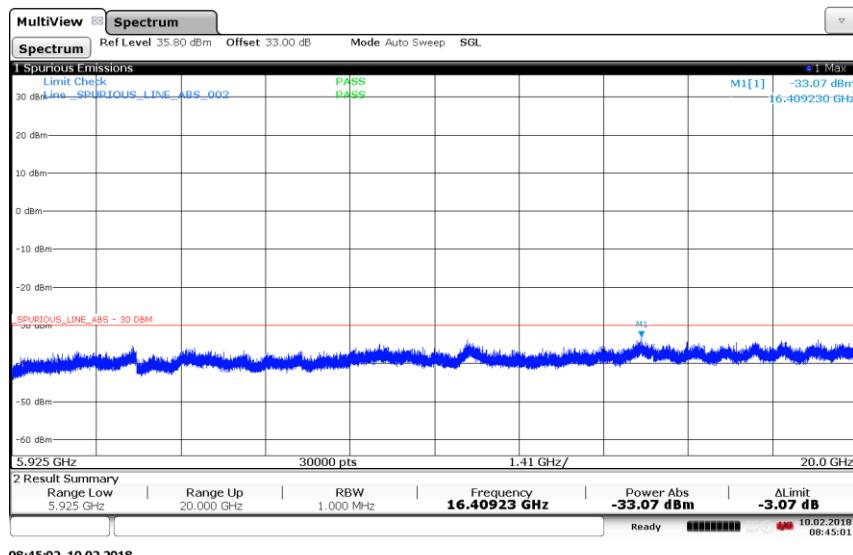
**Figure 366 Spurious Emissions (1 GHz – 5.65 GHz) – 16QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



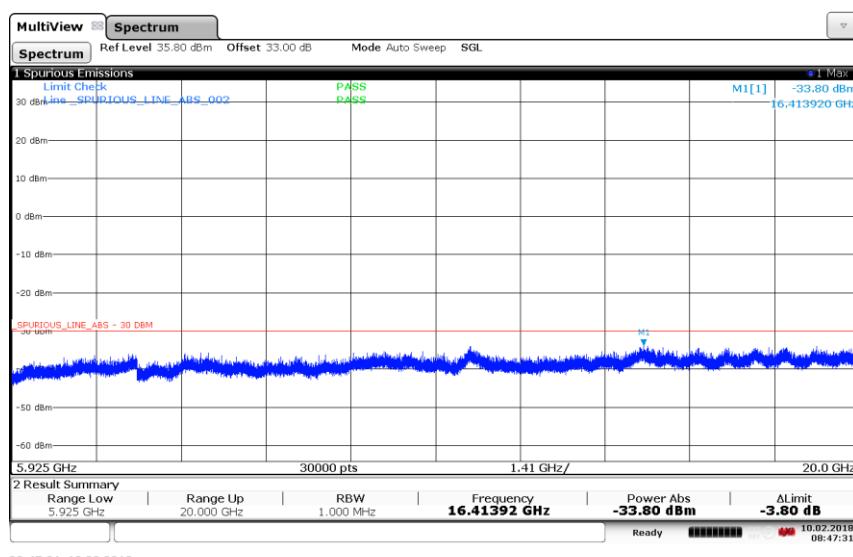
**Figure 367 Spurious Emissions (1 GHz – 5.65 GHz) – 256QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



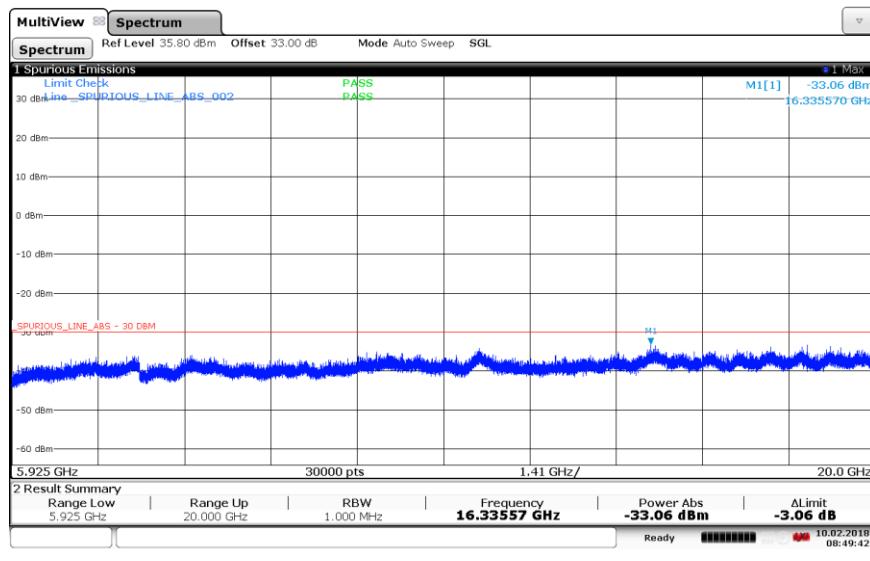
**Figure 368 Spurious Emissions (5.925 GHz – 20 GHz) – QPSK (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



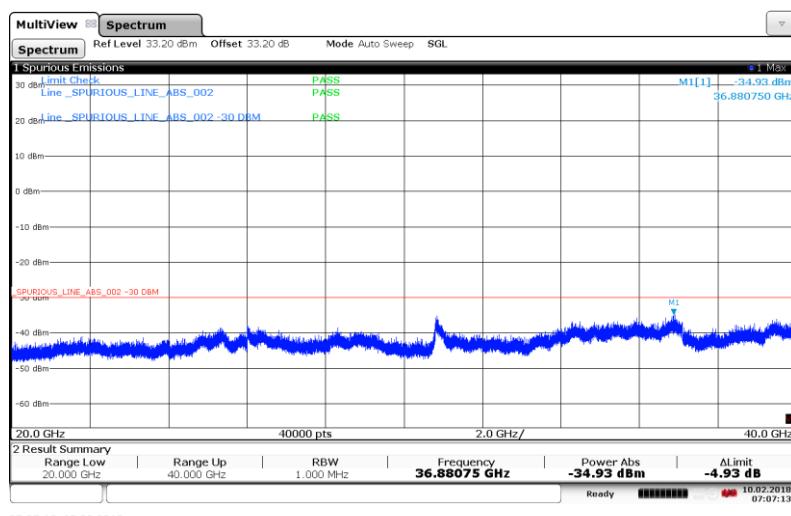
**Figure 369 Spurious Emissions (5.925 GHz – 20 GHz) – 64QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



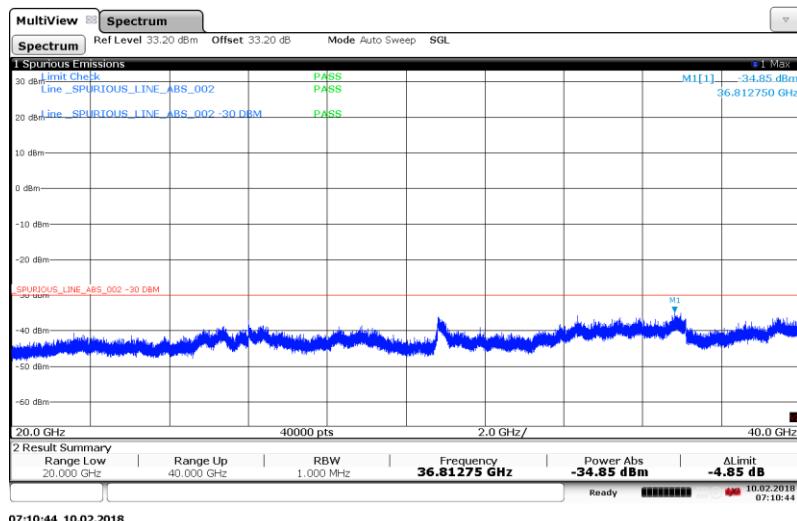
**Figure 370 Spurious Emissions (5.925 GHz – 20 GHz) – 16QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



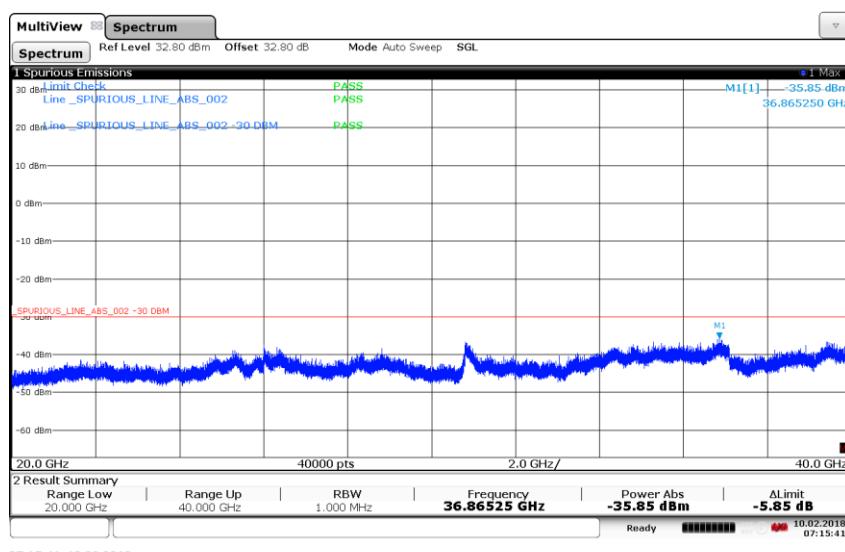
**Figure 371 Spurious Emissions (5.925 GHz – 20 GHz) – 256QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



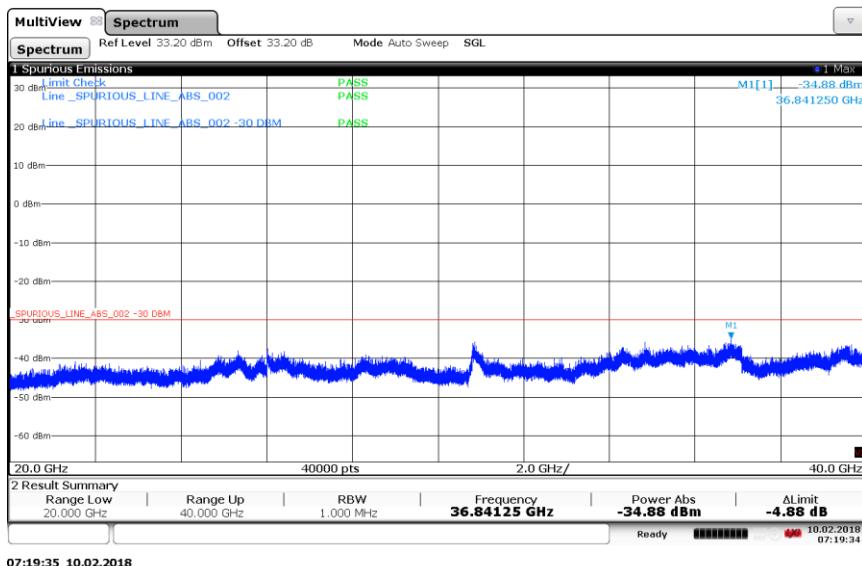
**Figure 372 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



**Figure 373 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



**Figure 374 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**



**Figure 375 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5765.0/ 5787.0/ 5805.0 MHz) (3 X 20MHz Channel BW)**

### 5.2.5. Test No. 5: Field Strength of Spurious Radiation

Config A, B, C:

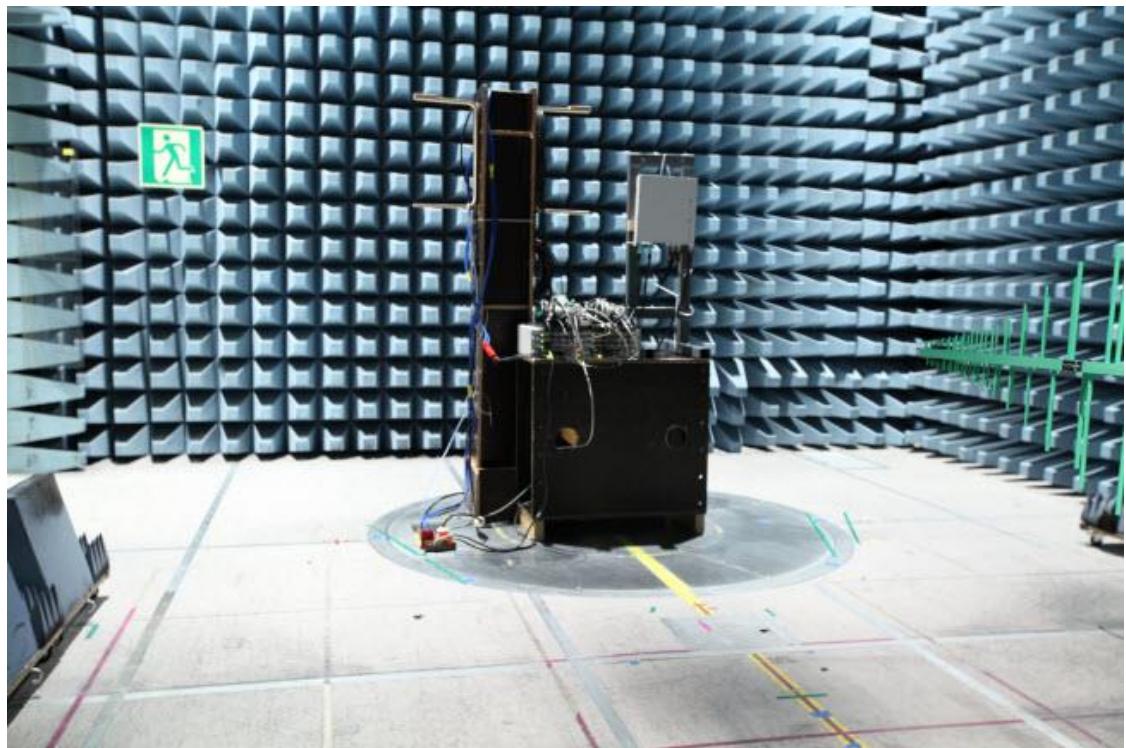
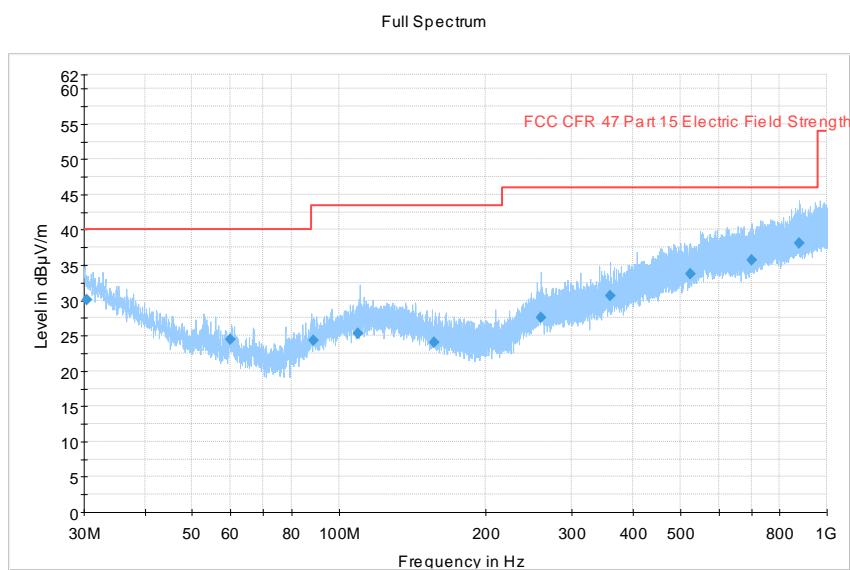


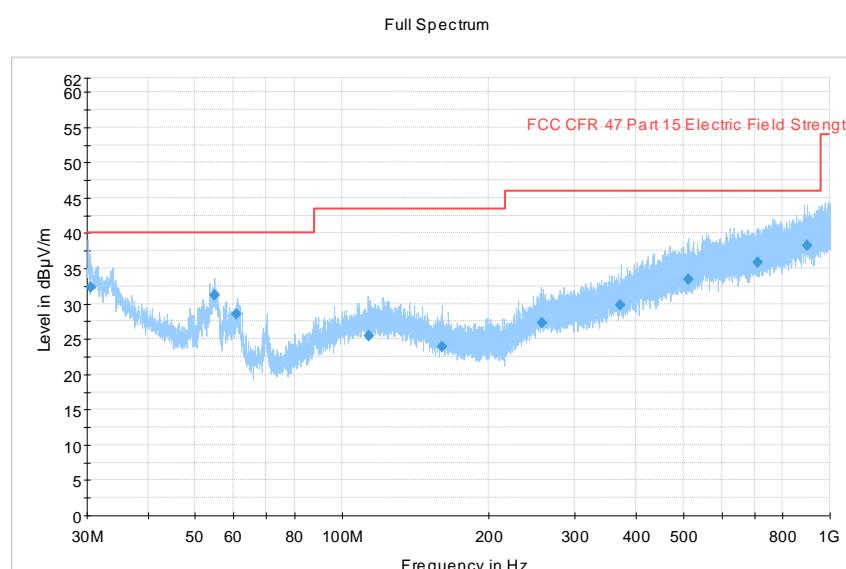
Figure 376 Photograph of the anechoic chamber with the EUT

Config A (UNII-1):



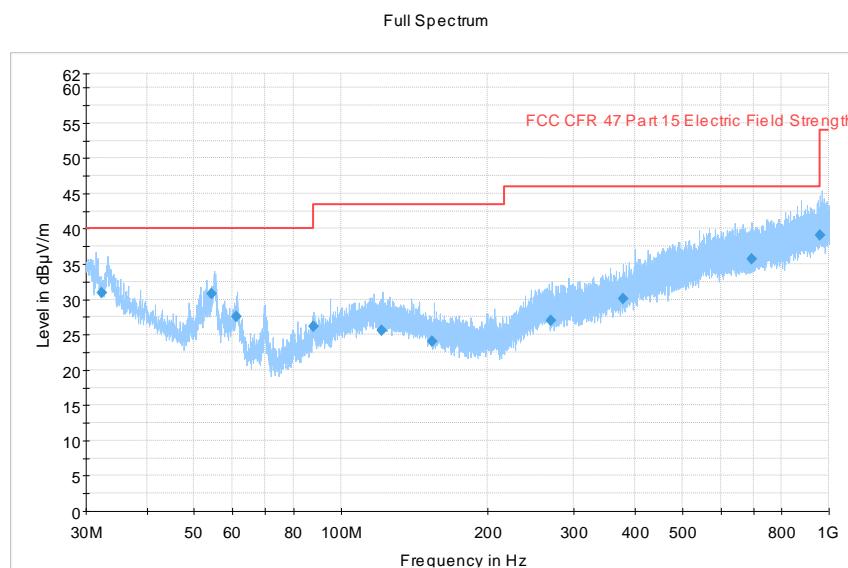
| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|
| 30.390000       | 30.07                    | 40.00                | 9.93        | 333.0       | H   | 238.0         |
| 59.897000       | 24.50                    | 40.00                | 15.50       | 190.0       | V   | 31.0          |
| 88.529667       | 24.29                    | 43.50                | 19.21       | 256.0       | H   | 205.0         |
| 109.363000      | 25.28                    | 43.50                | 18.22       | 145.0       | V   | 116.0         |
| 156.496333      | 23.98                    | 43.50                | 19.52       | 204.0       | V   | 71.0          |
| 259.095667      | 27.62                    | 46.00                | 18.38       | 106.0       | V   | 305.0         |
| 359.077000      | 30.62                    | 46.00                | 15.38       | 171.0       | V   | 29.0          |
| 524.871333      | 33.68                    | 46.00                | 12.32       | 121.0       | H   | 152.0         |
| 700.060667      | 35.76                    | 46.00                | 10.24       | 175.0       | V   | 167.0         |
| 878.599000      | 38.10                    | 46.00                | 7.90        | 124.0       | H   | 152.0         |

**Figure 377 Radiated Emission 30MHz – 1GHz (5180MHz) (20MHz Channel BW)**



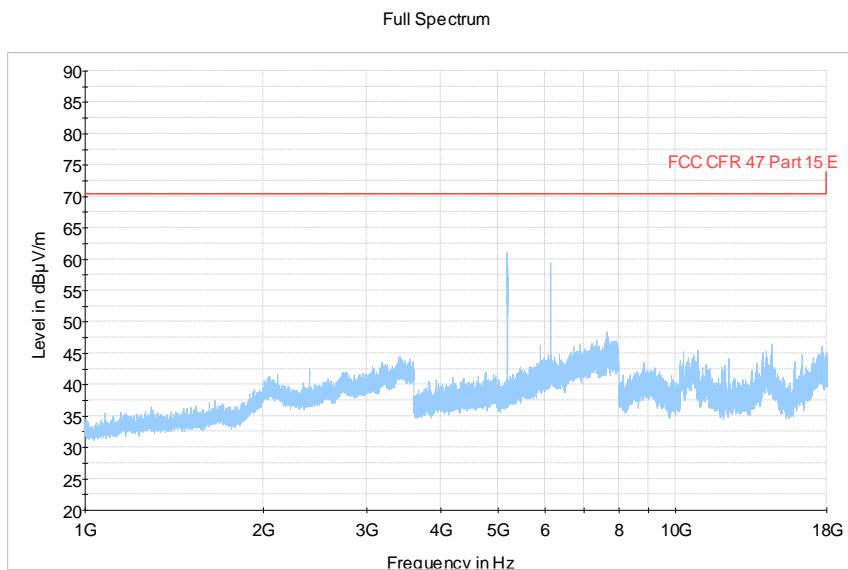
| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|
| 30.510000       | 32.29                    | 40.00                | 7.71        | 227.0       | V   | 289.0         |
| 54.672667       | 31.20                    | 40.00                | 8.80        | 102.0       | V   | 77.0          |
| 60.857667       | 28.50                    | 40.00                | 11.50       | 116.0       | V   | 34.0          |
| 113.648000      | 25.51                    | 43.50                | 17.99       | 181.0       | V   | 309.0         |
| 160.386667      | 23.84                    | 43.50                | 19.66       | 133.0       | V   | 15.0          |
| 256.688667      | 27.28                    | 46.00                | 18.72       | 288.0       | V   | 95.0          |
| 372.457000      | 29.76                    | 46.00                | 16.24       | 186.0       | H   | 58.0          |
| 512.261667      | 33.45                    | 46.00                | 12.55       | 113.0       | V   | 137.0         |
| 710.662333      | 35.90                    | 46.00                | 10.10       | 167.0       | H   | 222.0         |
| 897.429333      | 38.29                    | 46.00                | 7.71        | 178.0       | H   | 133.0         |

**Figure 378 Radiated Emission 30MHz – 1GHz (5220MHz) (20MHz Channel BW)**



| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|
| 32.265000       | 30.94                    | 40.00                | 9.06        | 121.0       | V   | 193.0         |
| 54.359000       | 30.75                    | 40.00                | 9.25        | 102.0       | V   | 54.0          |
| 61.111667       | 27.49                    | 40.00                | 12.51       | 178.0       | V   | 67.0          |
| 87.657333       | 26.15                    | 40.00                | 13.85       | 186.0       | V   | 167.0         |
| 120.933333      | 25.65                    | 43.50                | 17.85       | 226.0       | H   | 232.0         |
| 154.105333      | 23.98                    | 43.50                | 19.52       | 264.0       | V   | 51.0          |
| 269.429000      | 26.99                    | 46.00                | 19.01       | 338.0       | H   | 276.0         |
| 378.595000      | 30.11                    | 46.00                | 15.89       | 102.0       | H   | 45.0          |
| 694.419667      | 35.72                    | 46.00                | 10.28       | 145.0       | V   | 20.0          |
| 958.567333      | 39.05                    | 46.00                | 6.95        | 111.0       | H   | 282.0         |

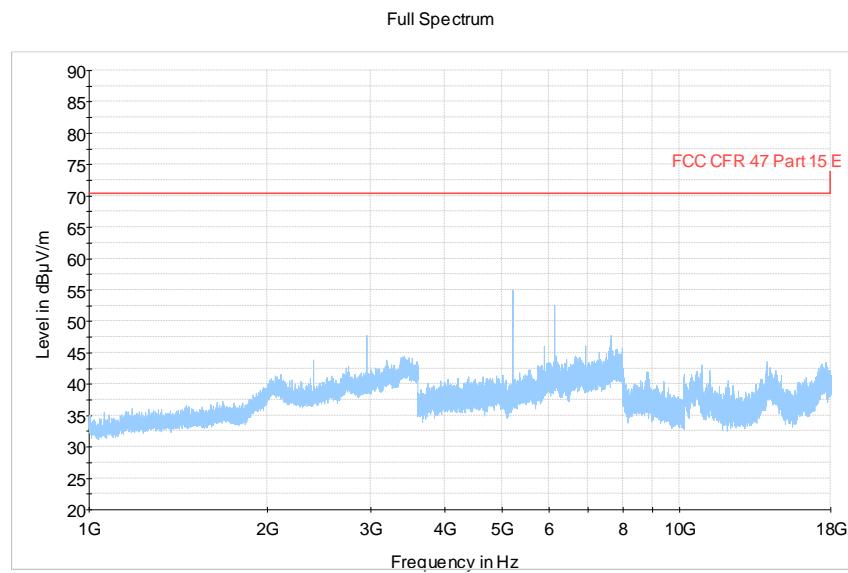
**Figure 379 Radiated Emission 30MHz – 1GHz (5240MHz) (20MHz Channel BW)**



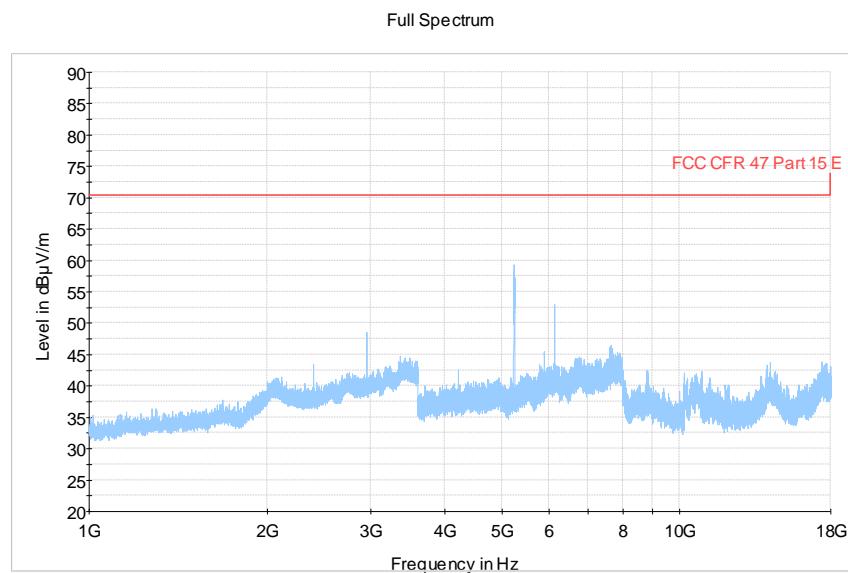
**Figure 380 Radiated Emission 1GHz – 18GHz (5180MHz) (20MHz Channel BW)**

FCC CFR 47 part 15E  
(2018) and  
FCC CFR 47 part 2 (2018)

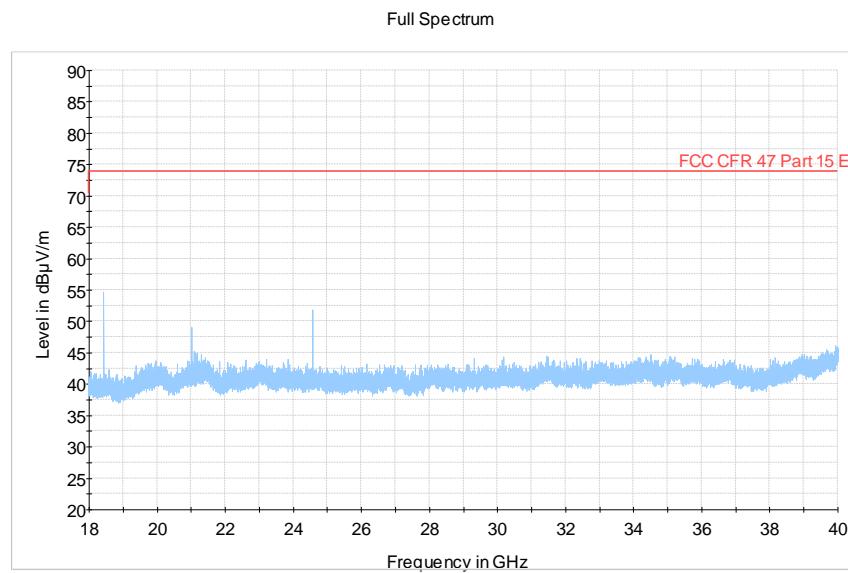
29. May 2018



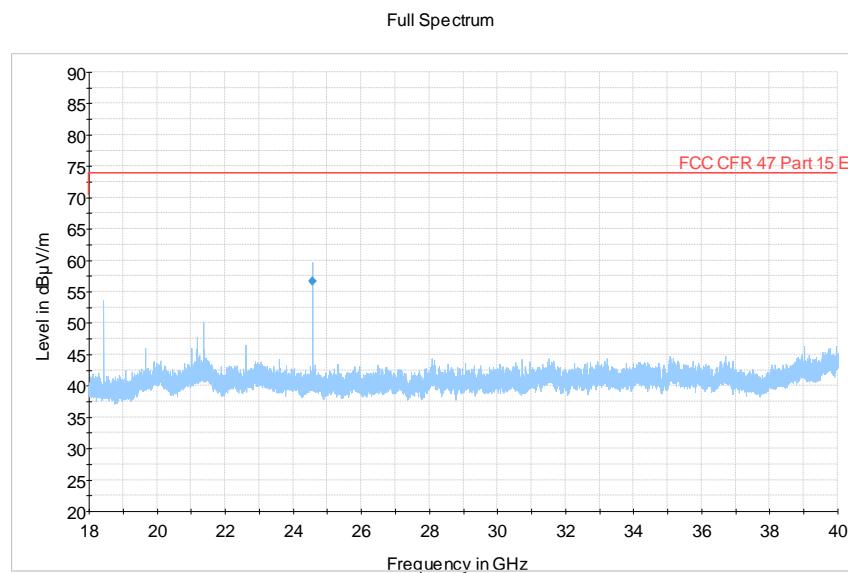
**Figure 381 Radiated Emission 1GHz – 18GHz (5220MHz) (20MHz Channel BW)**



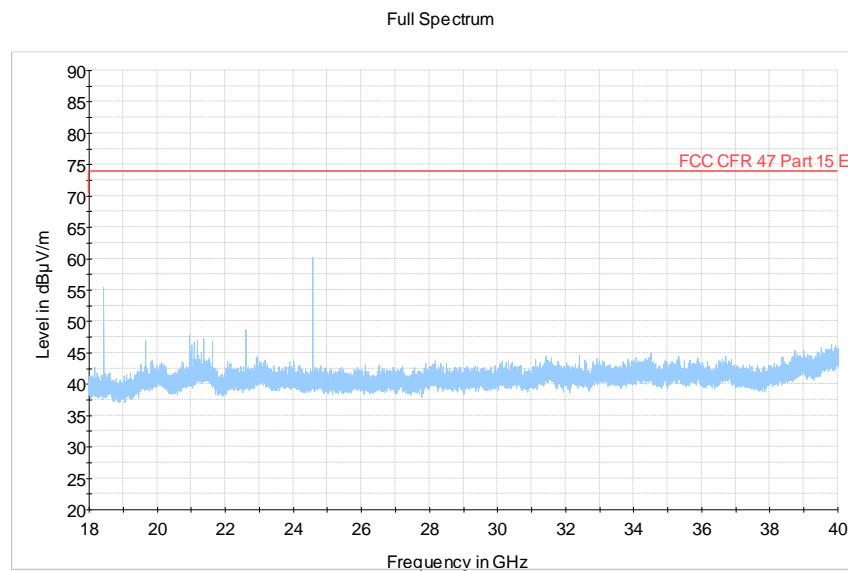
**Figure 382 Radiated Emission 1GHz – 18GHz (5240MHz) (20MHz Channel BW)**



**Figure 383 Radiated Emission 18GHz – 40GHz (5180MHz) (20MHz Channel BW)**

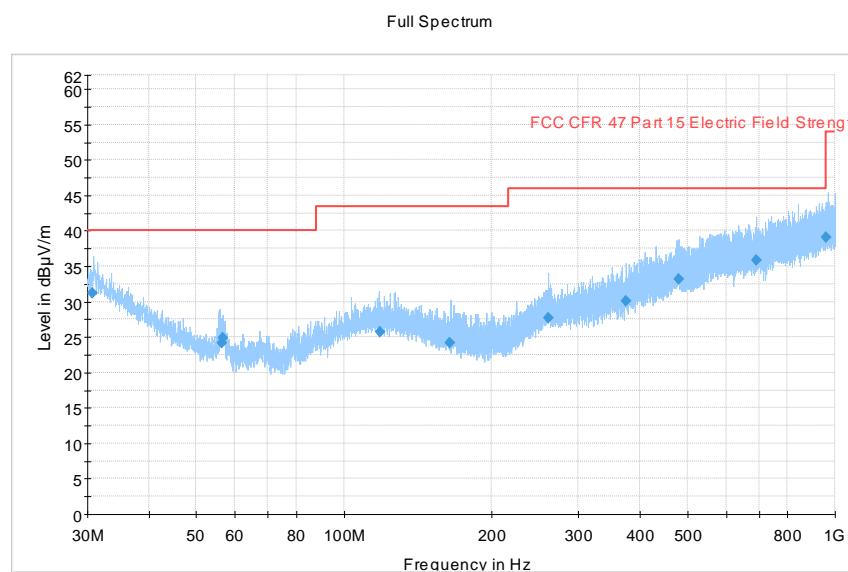


**Figure 384 Radiated Emission 18GHz – 40GHz (5220MHz) (20MHz Channel BW)**



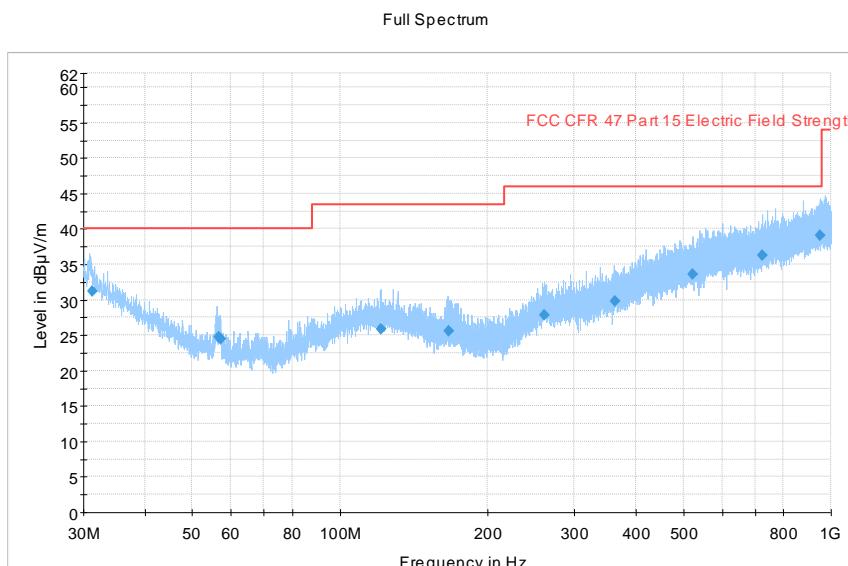
**Figure 385 Radiated Emission 18GHz – 40GHz (5240MHz) (20MHz Channel BW)**

**Config B (UNII-1):**



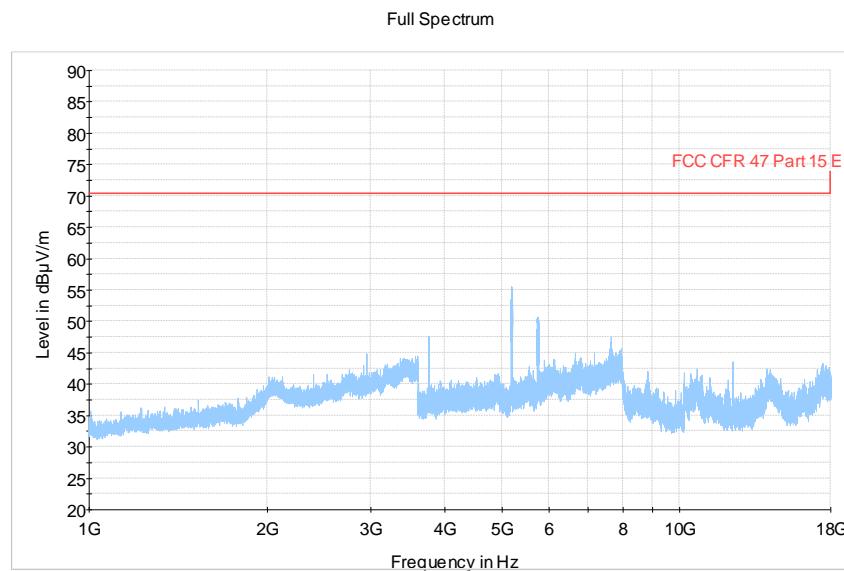
| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|
| 30.780000       | 31.25                    | 40.00                | 8.75        | 299.0       | V   | 67.0          |
| 56.255333       | 24.20                    | 40.00                | 15.80       | 111.0       | V   | 284.0         |
| 56.579667       | 24.87                    | 40.00                | 15.13       | 100.0       | V   | 211.0         |
| 118.428667      | 25.73                    | 43.50                | 17.77       | 325.0       | V   | 296.0         |
| 164.193000      | 24.16                    | 43.50                | 19.34       | 108.0       | H   | 14.0          |
| 260.470000      | 27.72                    | 46.00                | 18.28       | 204.0       | V   | 225.0         |
| 375.783667      | 30.06                    | 46.00                | 15.94       | 247.0       | H   | 180.0         |
| 480.926667      | 33.23                    | 46.00                | 12.77       | 338.0       | V   | 105.0         |
| 691.910000      | 35.87                    | 46.00                | 10.13       | 316.0       | V   | 33.0          |
| 958.054667      | 39.10                    | 46.00                | 6.90        | 262.0       | V   | 103.0         |

**Figure 386 Radiated Emission 30MHz – 1GHz (5180/5200MHz) (20MHz Channel BW)**

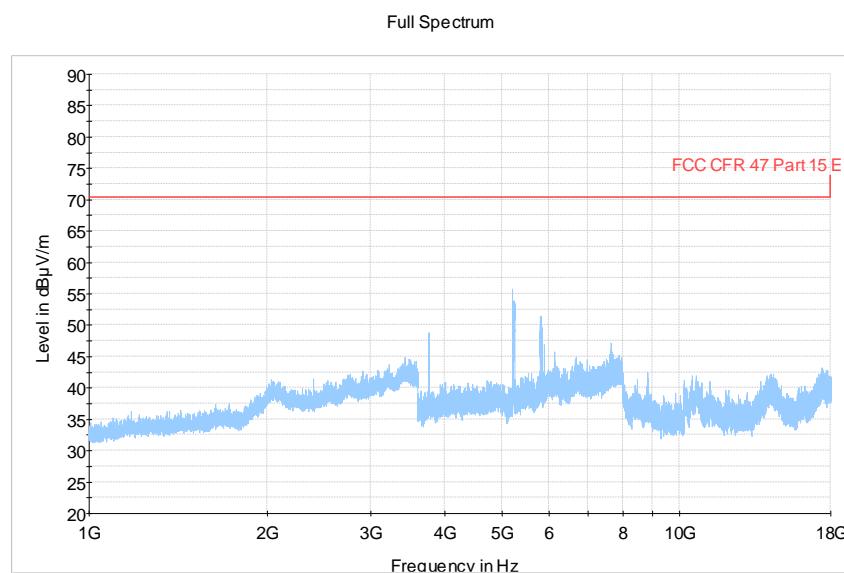


| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|
| 31.350000       | 31.16                    | 40.00                | 8.84        | 125.0       | V   | 324.0         |
| 56.540667       | 24.70                    | 40.00                | 15.30       | 104.0       | V   | 209.0         |
| 57.019000       | 24.47                    | 40.00                | 15.53       | 111.0       | V   | 287.0         |
| 121.073667      | 25.82                    | 43.50                | 17.68       | 154.0       | V   | 215.0         |
| 166.732333      | 25.65                    | 43.50                | 17.85       | 129.0       | H   | -2.0          |
| 260.079333      | 27.78                    | 46.00                | 18.22       | 322.0       | V   | 12.0          |
| 362.741667      | 29.86                    | 46.00                | 16.14       | 142.0       | H   | 333.0         |
| 521.504000      | 33.63                    | 46.00                | 12.37       | 203.0       | H   | 204.0         |
| 724.466667      | 36.28                    | 46.00                | 9.72        | 235.0       | H   | 135.0         |
| 947.895667      | 39.02                    | 46.00                | 6.98        | 111.0       | V   | 145.0         |

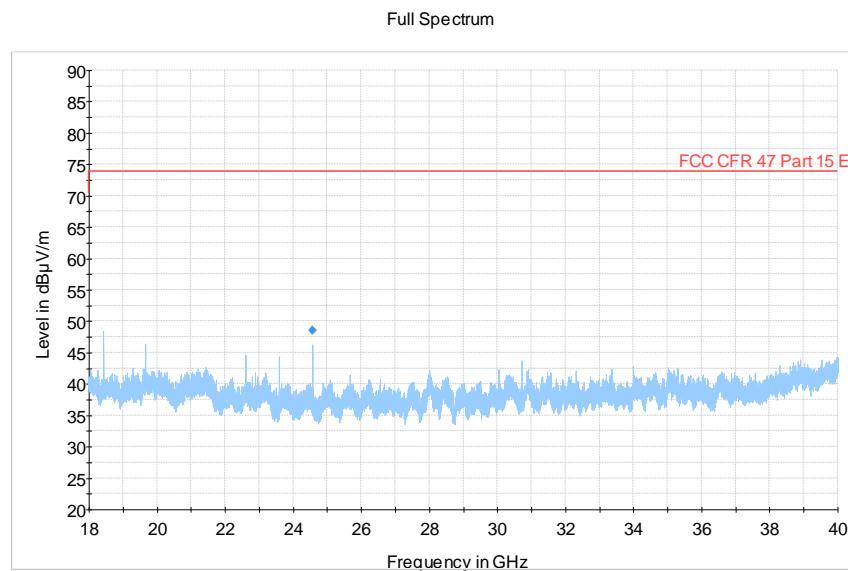
**Figure 387 Radiated Emission 30MHz – 1GHz (5220/5240MHz) (20MHz Channel BW)**



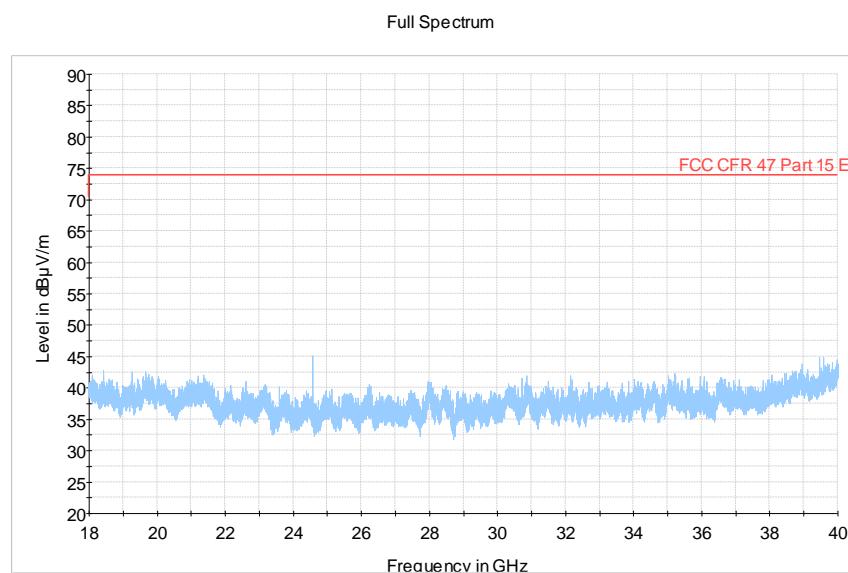
**Figure 388 Radiated Emission 1GHz – 18GHz (5180/5200MHz) (20MHz Channel BW)**



**Figure 389 Radiated Emission 1GHz – 18GHz (5220/5240MHz) (20MHz Channel BW)**



**Figure 390 Radiated Emission 18GHz – 40GHz (5180/5200MHz) (20MHz Channel BW)**



**Figure 391 Radiated Emission 18GHz – 40GHz (5220/5240MHz) (20MHz Channel BW)**

**Config C (UNII-1):**