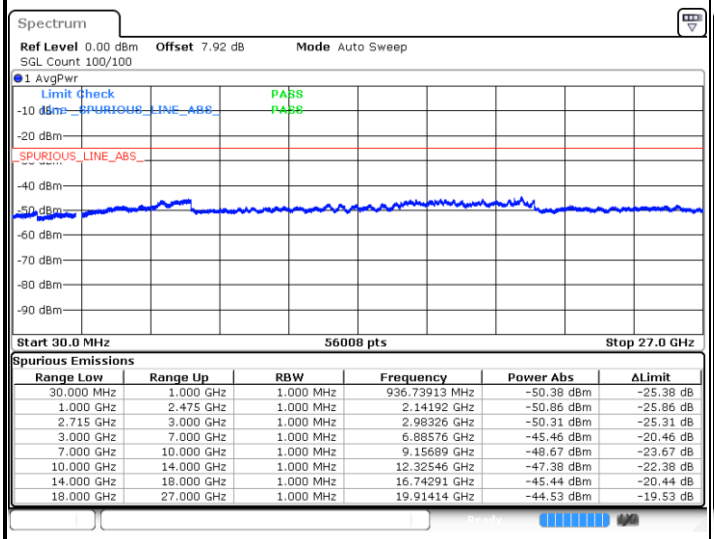
## LTE Band 41 / 15MHz

### Lowest Channel / QPSK

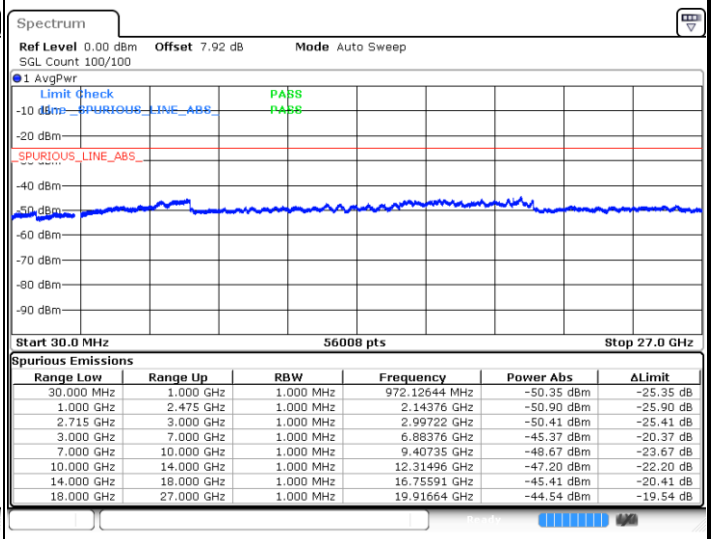



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 936.73913 MHz | -50.38 dBm | -25.38 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14192 GHz | -50.86 dBm | -25.86 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.98326 GHz | -50.31 dBm | -25.31 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88576 GHz | -45.46 dBm | -20.46 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.15689 GHz | -48.67 dBm | -23.67 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.32546 GHz | -47.38 dBm | -22.38 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74291 GHz | -45.44 dBm | -20.44 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91414 GHz | -44.53 dBm | -19.53 dB |

Date: 23.MAR.2022 09:18:56

### Lowest Channel / 16QAM

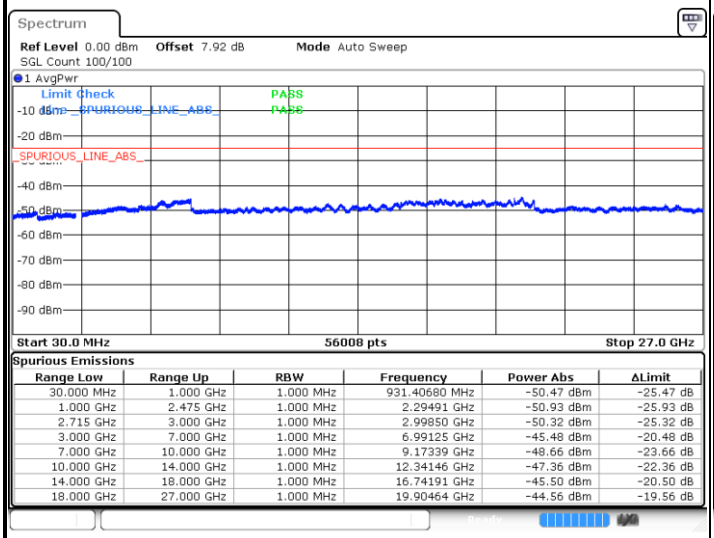



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 972.12644 MHz | -50.35 dBm | -25.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14376 GHz | -50.90 dBm | -25.90 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99722 GHz | -50.41 dBm | -25.41 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88376 GHz | -45.37 dBm | -20.37 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40735 GHz | -48.67 dBm | -23.67 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.31496 GHz | -47.20 dBm | -22.20 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75591 GHz | -45.41 dBm | -20.41 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91664 GHz | -44.54 dBm | -19.54 dB |

Date: 23.MAR.2022 09:20:06

### Middle Channel / QPSK

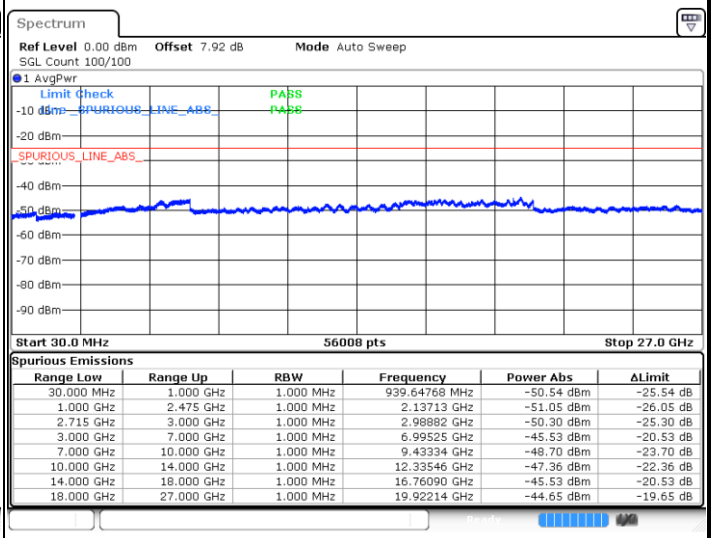



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 931.40680 MHz | -50.47 dBm | -25.47 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.29491 GHz | -50.93 dBm | -25.93 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99850 GHz | -50.32 dBm | -25.32 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99125 GHz | -45.48 dBm | -20.48 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.17339 GHz | -48.66 dBm | -23.66 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.34146 GHz | -47.36 dBm | -22.36 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74191 GHz | -45.50 dBm | -20.50 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90464 GHz | -44.56 dBm | -19.56 dB |

Date: 23.MAR.2022 09:21:15

### Middle Channel / 16QAM



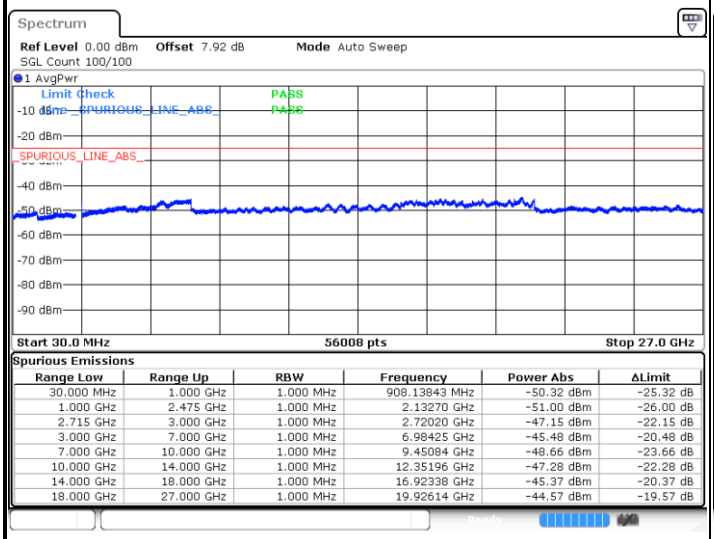

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 939.64768 MHz | -50.54 dBm | -25.54 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.13713 GHz | -51.05 dBm | -26.05 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.98882 GHz | -50.30 dBm | -25.30 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -45.53 dBm | -20.53 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.43334 GHz | -48.70 dBm | -23.70 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.33546 GHz | -47.36 dBm | -22.36 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.76090 GHz | -45.53 dBm | -20.53 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92214 GHz | -44.65 dBm | -19.65 dB |

Date: 23.MAR.2022 09:22:25

## LTE Band 41 / 15MHz

### Highest Channel / QPSK

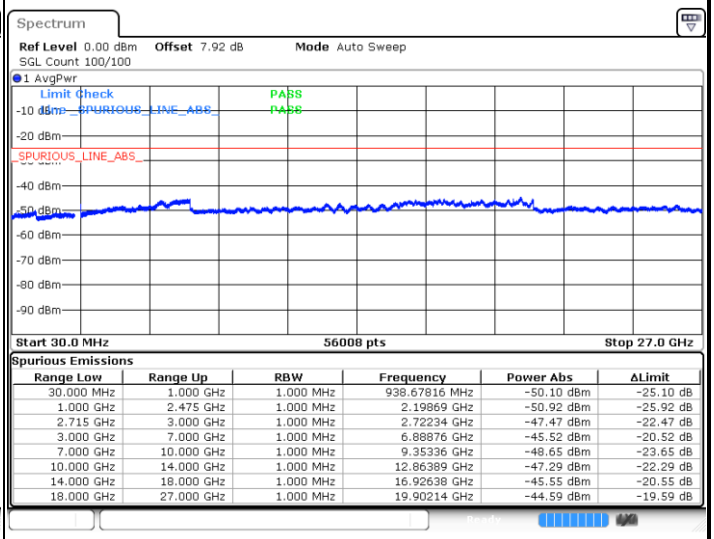



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 908.13843 MHz | -50.32 dBm | -25.32 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.13270 GHz | -51.00 dBm | -26.00 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72020 GHz | -47.15 dBm | -22.15 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98425 GHz | -45.48 dBm | -20.48 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.45084 GHz | -48.66 dBm | -23.66 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.35196 GHz | -47.28 dBm | -22.28 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.92338 GHz | -45.37 dBm | -20.37 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92614 GHz | -44.57 dBm | -19.57 dB |

Date: 23.MAR.2022 09:23:35

### Highest Channel / 16QAM



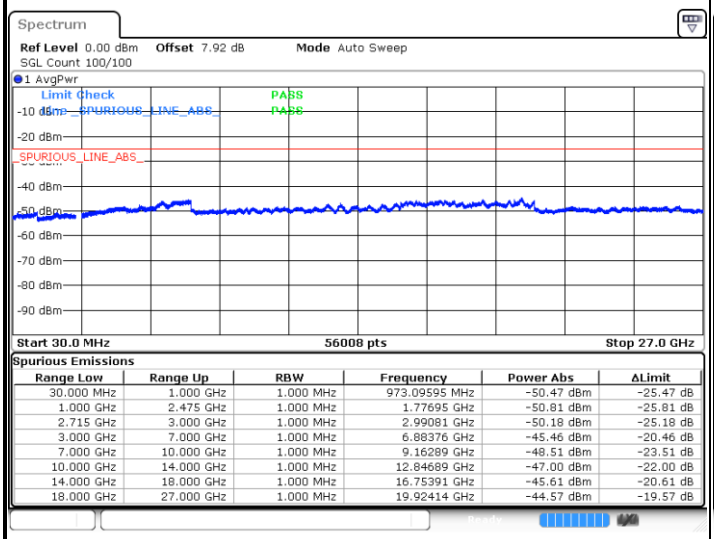

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 938.67816 MHz | -50.10 dBm | -25.10 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.19869 GHz | -50.92 dBm | -25.92 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72234 GHz | -47.47 dBm | -22.47 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88876 GHz | -45.52 dBm | -20.52 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.35336 GHz | -48.65 dBm | -23.65 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.86389 GHz | -47.29 dBm | -22.29 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.92638 GHz | -45.55 dBm | -20.55 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90214 GHz | -44.59 dBm | -19.59 dB |

Date: 23.MAR.2022 09:24:44

## LTE Band 41 / 20MHz

### Lowest Channel / QPSK

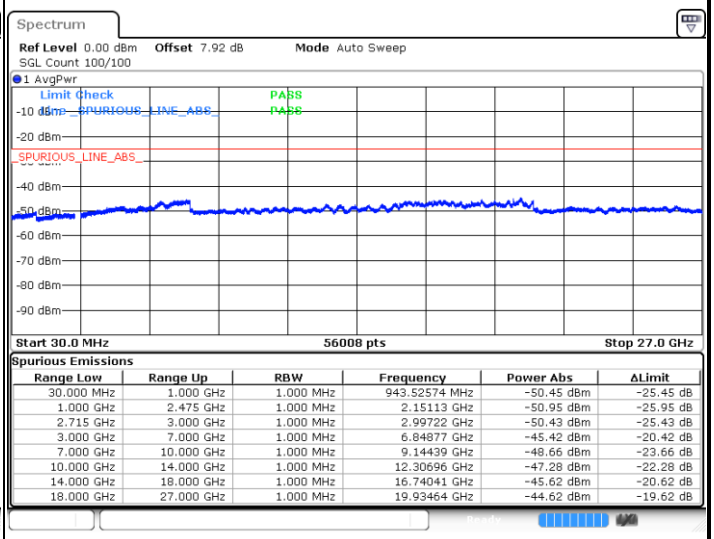



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 973.09595 MHz | -50.47 dBm | -25.47 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.77695 GHz | -50.81 dBm | -25.81 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99081 GHz | -50.18 dBm | -25.18 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88376 GHz | -45.46 dBm | -20.46 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16289 GHz | -48.51 dBm | -23.51 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84689 GHz | -47.00 dBm | -22.00 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75391 GHz | -45.61 dBm | -20.61 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92414 GHz | -44.57 dBm | -19.57 dB |

Date: 23.MAR.2022 09:29:23

### Lowest Channel / 16QAM



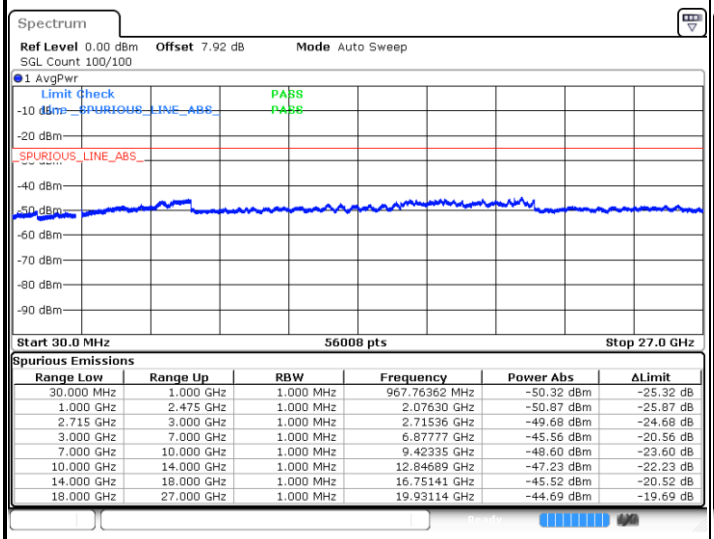

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 943.52574 MHz | -50.45 dBm | -25.45 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.15113 GHz | -50.95 dBm | -25.95 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99722 GHz | -50.43 dBm | -25.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84877 GHz | -45.42 dBm | -20.42 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.14439 GHz | -48.66 dBm | -23.66 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.30696 GHz | -47.28 dBm | -22.28 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74041 GHz | -45.62 dBm | -20.62 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.93464 GHz | -44.62 dBm | -19.62 dB |

Date: 23.MAR.2022 09:30:32

## LTE Band 41 / 20MHz

### Middle Channel / QPSK

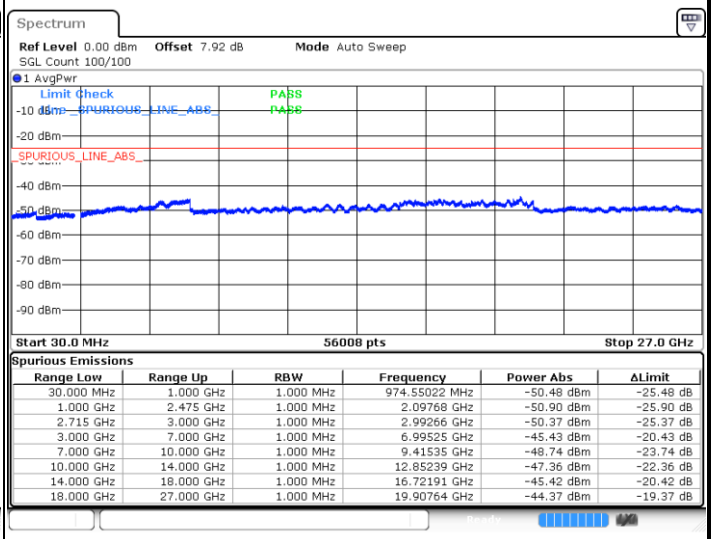



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -50.32 dBm | -25.32 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.07630 GHz | -50.87 dBm | -25.87 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71536 GHz | -49.68 dBm | -24.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87777 GHz | -45.56 dBm | -20.56 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.42335 GHz | -48.60 dBm | -23.60 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84689 GHz | -47.23 dBm | -22.23 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75141 GHz | -45.52 dBm | -20.52 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.93114 GHz | -44.69 dBm | -19.69 dB |

Date: 23.MAR.2022 09:31:42

### Middle Channel / 16QAM

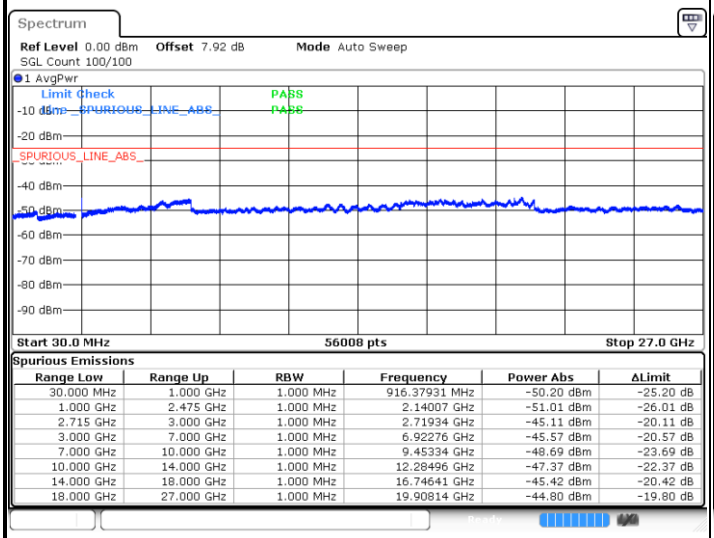



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 974.55022 MHz | -50.48 dBm | -25.48 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.09768 GHz | -50.90 dBm | -25.90 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99266 GHz | -50.37 dBm | -25.37 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -45.43 dBm | -20.43 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.41535 GHz | -48.74 dBm | -23.74 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.85239 GHz | -47.36 dBm | -22.36 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.72191 GHz | -45.42 dBm | -20.42 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90764 GHz | -44.37 dBm | -19.37 dB |

Date: 23.MAR.2022 09:32:52

### Highest Channel / QPSK

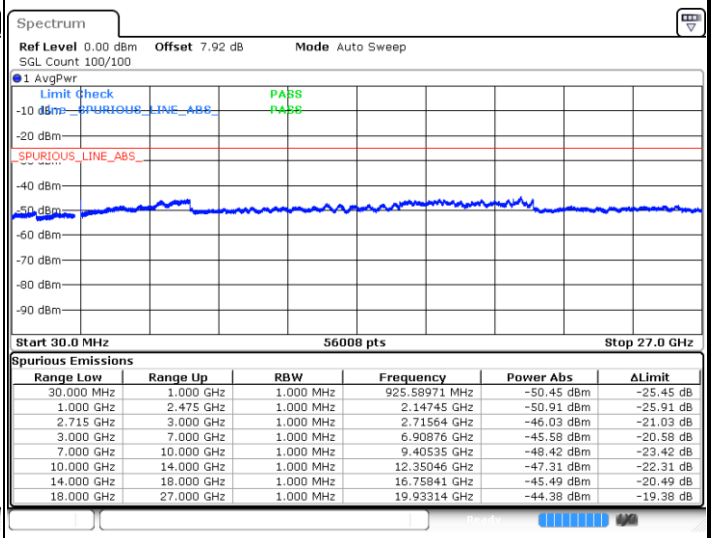



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 916.37931 MHz | -50.20 dBm | -25.20 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14007 GHz | -51.01 dBm | -26.01 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71934 GHz | -45.11 dBm | -20.11 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92276 GHz | -45.57 dBm | -20.57 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.45334 GHz | -48.69 dBm | -23.69 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.28496 GHz | -47.37 dBm | -22.37 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74641 GHz | -45.42 dBm | -20.42 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90814 GHz | -44.80 dBm | -19.80 dB |

Date: 23.MAR.2022 09:34:01

### Highest Channel / 16QAM



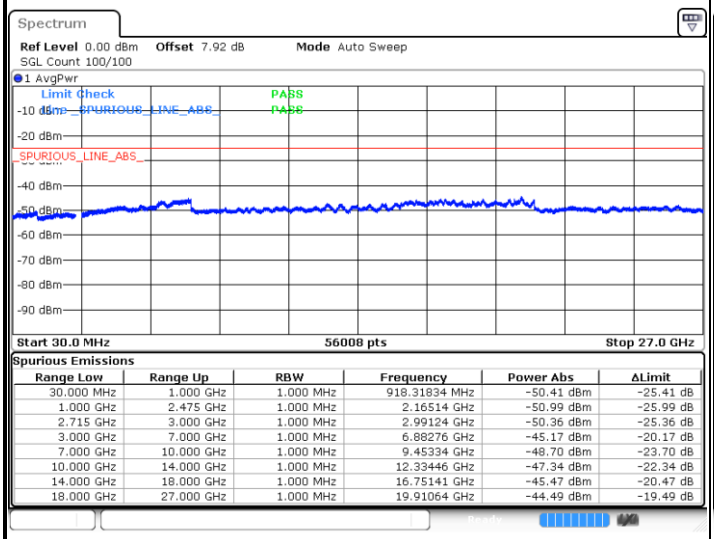

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 925.58971 MHz | -50.45 dBm | -25.45 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14745 GHz | -50.91 dBm | -25.91 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71564 GHz | -46.03 dBm | -21.03 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.90876 GHz | -45.58 dBm | -20.58 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40535 GHz | -48.42 dBm | -23.42 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.35046 GHz | -47.31 dBm | -22.31 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75841 GHz | -45.49 dBm | -20.49 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.93314 GHz | -44.38 dBm | -19.38 dB |

Date: 23.MAR.2022 09:35:11

## LTE Band 41 / 5MHz

### Lowest Channel / 64QAM

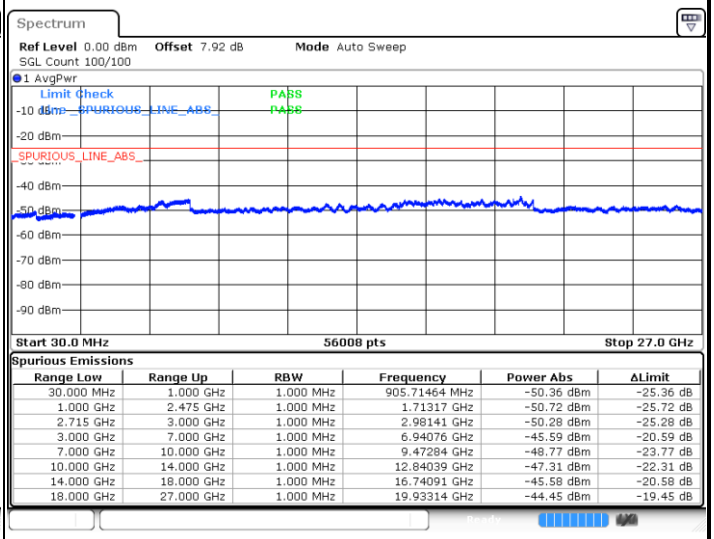



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 918.31834 MHz | -50.41 dBm | -25.41 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.16514 GHz | -50.99 dBm | -25.99 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99124 GHz | -50.36 dBm | -25.36 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88276 GHz | -45.17 dBm | -20.17 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.45334 GHz | -48.70 dBm | -23.70 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.33446 GHz | -47.34 dBm | -22.34 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75141 GHz | -45.47 dBm | -20.47 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91054 GHz | -44.49 dBm | -19.49 dB |

Date: 23.MAR.2022 09:05:01

### Middle Channel / 64QAM

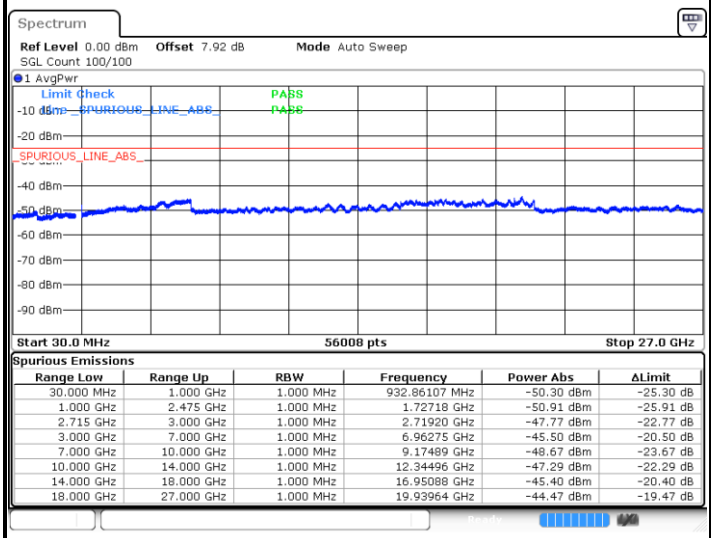



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 905.71464 MHz | -50.36 dBm | -25.36 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.71317 GHz | -50.72 dBm | -25.72 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.98141 GHz | -50.28 dBm | -25.28 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94076 GHz | -45.59 dBm | -20.59 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.47284 GHz | -48.77 dBm | -23.77 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84039 GHz | -47.31 dBm | -22.31 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74091 GHz | -45.58 dBm | -20.58 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.93314 GHz | -44.45 dBm | -19.45 dB |

Date: 23.MAR.2022 09:06:11

### Highest Channel / 64QAM



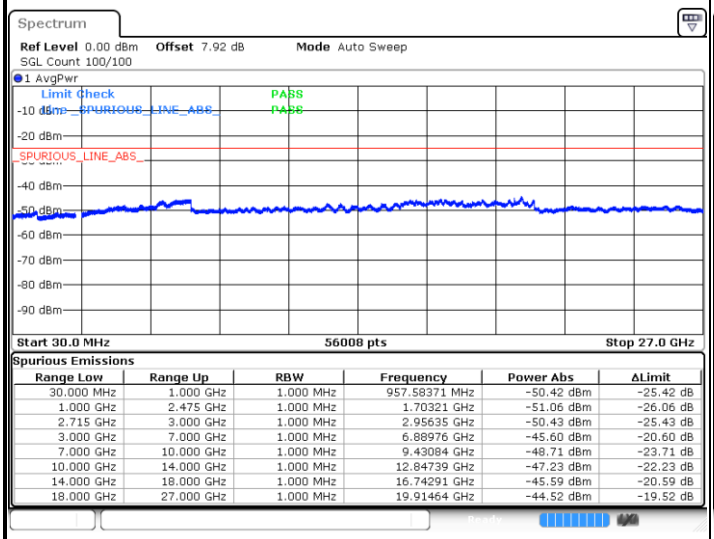

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 932.86107 MHz | -50.30 dBm | -25.30 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.72718 GHz | -50.91 dBm | -25.91 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71920 GHz | -47.77 dBm | -22.77 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96275 GHz | -45.50 dBm | -20.50 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.17489 GHz | -48.67 dBm | -23.67 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.34496 GHz | -47.29 dBm | -22.29 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.95088 GHz | -45.40 dBm | -20.40 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.93964 GHz | -44.47 dBm | -19.47 dB |

Date: 23.MAR.2022 09:07:20

## LTE Band 41 / 10MHz

### Lowest Channel / 64QAM

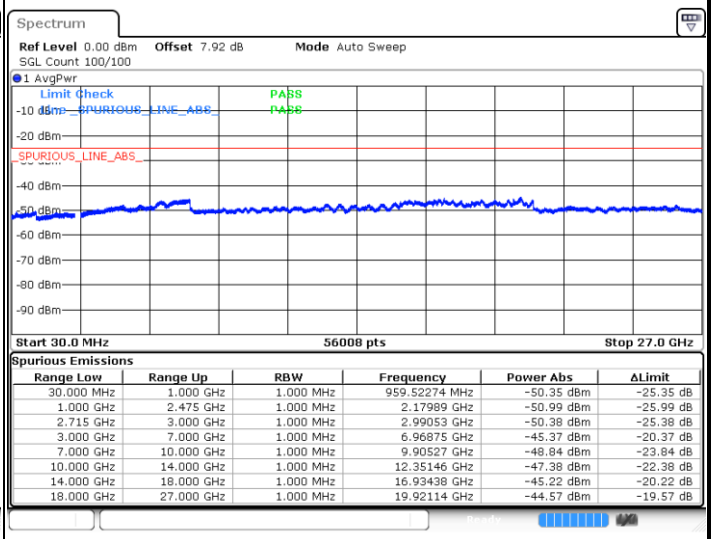



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 957.58371 MHz | -50.42 dBm | -25.42 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.70321 GHz | -51.06 dBm | -26.06 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.95635 GHz | -50.43 dBm | -25.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88976 GHz | -45.60 dBm | -20.60 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.43084 GHz | -48.71 dBm | -23.71 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84739 GHz | -47.23 dBm | -22.23 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74291 GHz | -45.59 dBm | -20.59 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91464 GHz | -44.52 dBm | -19.52 dB |

Date: 23.MAR.2022 09:08:30

### Middle Channel / 64QAM

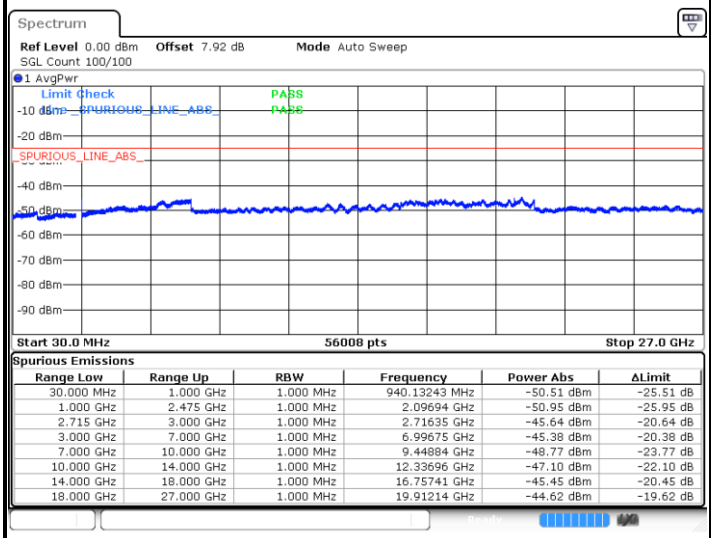



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 959.52274 MHz | -50.35 dBm | -25.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.17989 GHz | -50.99 dBm | -25.99 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99053 GHz | -50.38 dBm | -25.38 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96875 GHz | -45.37 dBm | -20.37 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.90527 GHz | -48.84 dBm | -23.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.35146 GHz | -47.38 dBm | -22.38 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.93438 GHz | -45.22 dBm | -20.22 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92114 GHz | -44.57 dBm | -19.57 dB |

Date: 23.MAR.2022 09:09:39

### Highest Channel / 64QAM



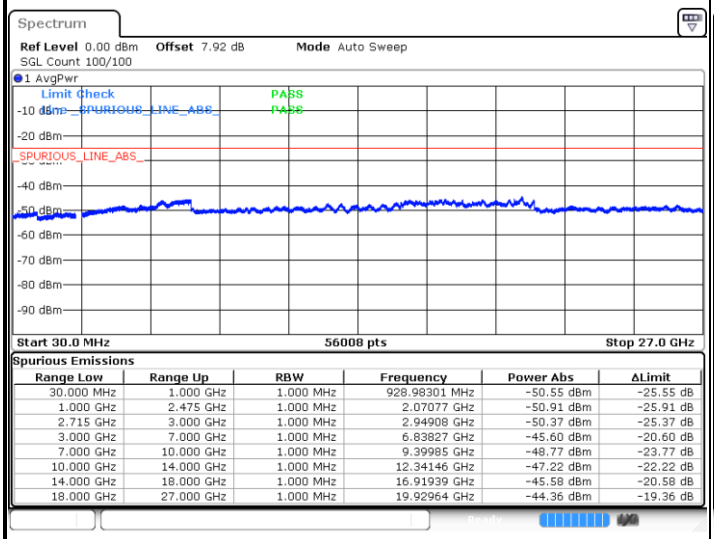

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 940.13243 MHz | -50.51 dBm | -25.51 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.09694 GHz | -50.95 dBm | -25.95 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71635 GHz | -45.64 dBm | -20.64 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99675 GHz | -45.38 dBm | -20.38 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.44884 GHz | -48.77 dBm | -23.77 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.33696 GHz | -47.10 dBm | -22.10 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75741 GHz | -45.45 dBm | -20.45 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91214 GHz | -44.62 dBm | -19.62 dB |

Date: 23.MAR.2022 09:10:49

## LTE Band 41 / 15MHz

### Lowest Channel / 64QAM

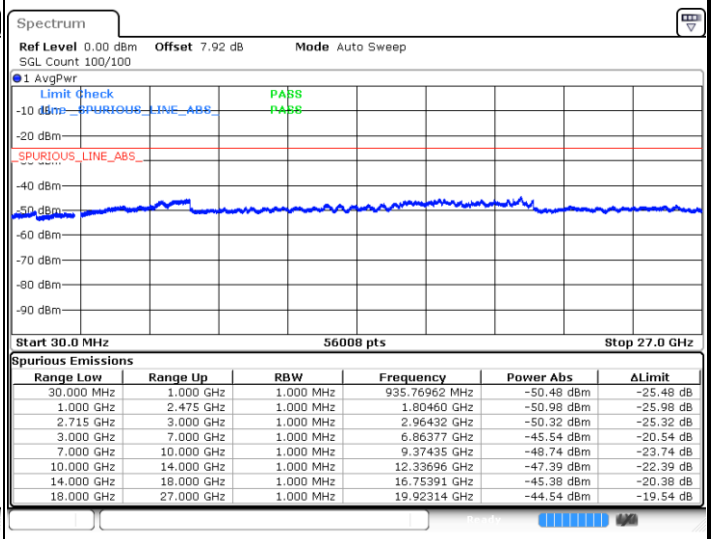



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 928.98301 MHz | -50.55 dBm | -25.55 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.07077 GHz | -50.91 dBm | -25.91 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.94908 GHz | -50.37 dBm | -25.37 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.83827 GHz | -45.60 dBm | -20.60 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.39985 GHz | -48.77 dBm | -23.77 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.34146 GHz | -47.22 dBm | -22.22 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.91939 GHz | -45.58 dBm | -20.58 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92964 GHz | -44.36 dBm | -19.36 dB |

Date: 23.MAR.2022 09:25:54

### Middle Channel / 64QAM

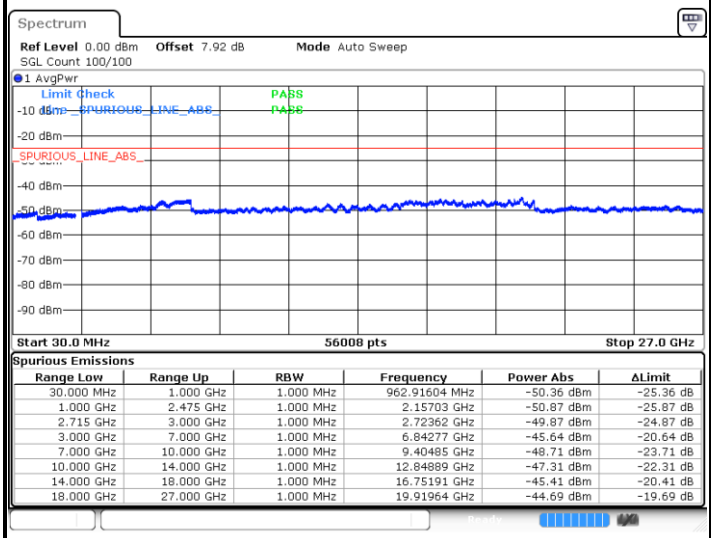



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 935.76962 MHz | -50.48 dBm | -25.48 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.80460 GHz | -50.98 dBm | -25.98 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.96432 GHz | -50.32 dBm | -25.32 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86377 GHz | -45.54 dBm | -20.54 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.37435 GHz | -48.74 dBm | -23.74 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.33696 GHz | -47.39 dBm | -22.39 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75391 GHz | -45.38 dBm | -20.38 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92314 GHz | -44.54 dBm | -19.54 dB |

Date: 23.MAR.2022 09:27:04

### Highest Channel / 64QAM



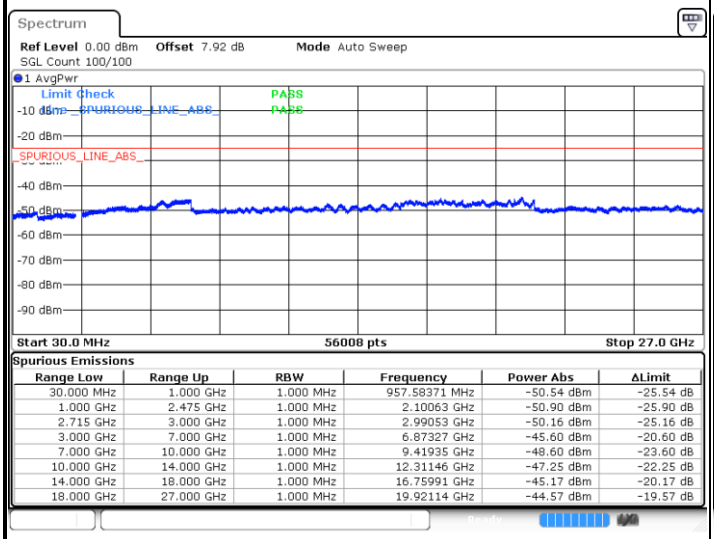

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 962.91604 MHz | -50.36 dBm | -25.36 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.15703 GHz | -50.87 dBm | -25.87 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72362 GHz | -49.87 dBm | -24.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84277 GHz | -45.64 dBm | -20.64 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40485 GHz | -48.71 dBm | -23.71 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84889 GHz | -47.31 dBm | -22.31 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75191 GHz | -45.41 dBm | -20.41 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91964 GHz | -44.69 dBm | -19.69 dB |

Date: 23.MAR.2022 09:28:13

## LTE Band 41 / 20MHz

### Lowest Channel / 64QAM

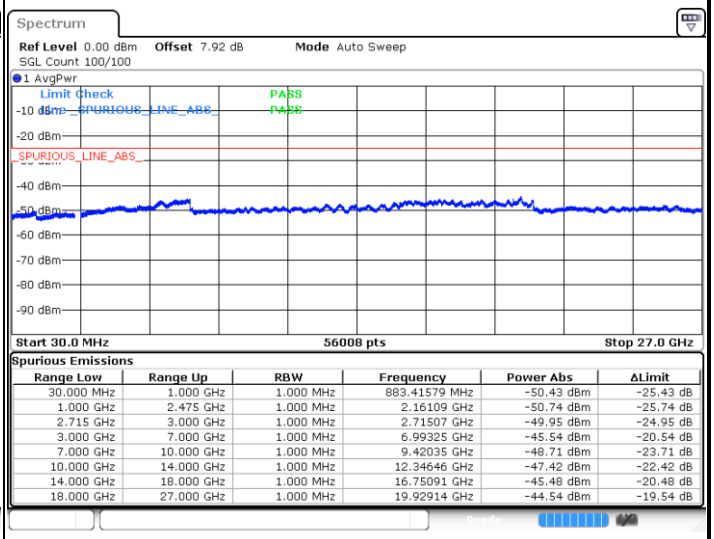



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 957.58371 MHz | -50.54 dBm | -25.54 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.10063 GHz | -50.90 dBm | -25.90 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99053 GHz | -50.16 dBm | -25.16 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87327 GHz | -45.60 dBm | -20.60 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.41935 GHz | -48.60 dBm | -23.60 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.31146 GHz | -47.25 dBm | -22.25 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75991 GHz | -45.17 dBm | -20.17 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92114 GHz | -44.57 dBm | -19.57 dB |

Date: 23.MAR.2022 09:36:21

### Middle Channel / 64QAM

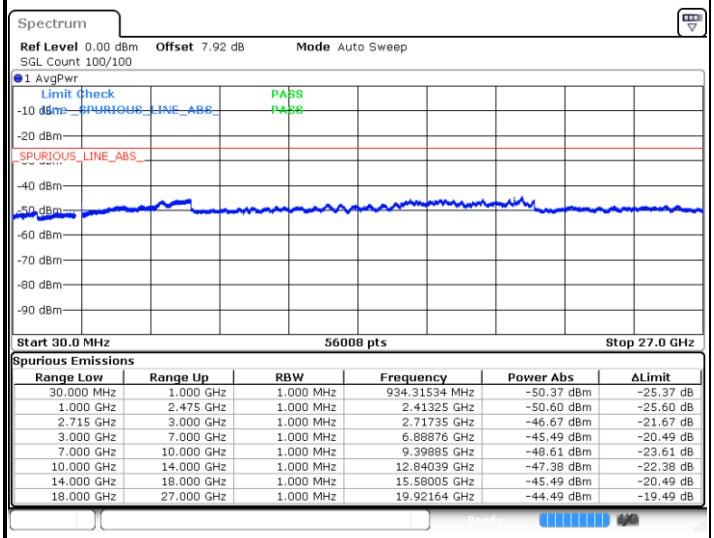



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 883.41579 MHz | -50.43 dBm | -25.43 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.16109 GHz | -50.74 dBm | -25.74 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71507 GHz | -49.95 dBm | -24.95 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99325 GHz | -45.54 dBm | -20.54 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.42035 GHz | -48.71 dBm | -23.71 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.34646 GHz | -47.42 dBm | -22.42 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75091 GHz | -45.48 dBm | -20.48 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92914 GHz | -44.54 dBm | -19.54 dB |

Date: 23.MAR.2022 09:37:30

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 934.31534 MHz | -50.37 dBm | -25.37 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.41325 GHz | -50.60 dBm | -25.60 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71735 GHz | -46.67 dBm | -21.67 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88876 GHz | -45.49 dBm | -20.49 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.39885 GHz | -48.61 dBm | -23.61 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84039 GHz | -47.38 dBm | -22.38 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.58005 GHz | -45.49 dBm | -20.49 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.92164 GHz | -44.49 dBm | -19.49 dB |

Date: 23.MAR.2022 09:38:40

# Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0022 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0010 | |
| 10 | Normal Voltage | 0.0015 | |
| 0 | Normal Voltage | 0.0022 | |
| -10 | Normal Voltage | 0.0026 | |
| -20 | Normal Voltage | 0.0014 | |
| -30 | Normal Voltage | 0.0016 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0015 | |
| 20 | Battery End Point | 0.0020 | |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Chris Chen | Temperature : | 22~23℃ |
|---|---|---|---|
| | | Relative Humidity : | 41~42% |

| LTE Band 2 / 20MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3705 | -56.47 | -13 | -43.47 | -68.73 | 2.64 | 14.90 | H |
| | 5550 | -54.10 | -13 | -41.10 | -65.96 | 2.94 | 14.80 | H |
| | 7410 | -51.72 | -13 | -38.72 | -61.49 | 3.39 | 13.16 | H |
| | 3705 | -56.56 | -13 | -43.56 | -68.82 | 2.64 | 14.90 | V |
| | 5550 | -54.74 | -13 | -41.74 | -66.60 | 2.94 | 14.80 | V |
| | 7410 | -52.59 | -13 | -39.59 | -62.36 | 3.39 | 13.16 | V |
| Middle | 3735 | -54.17 | -13 | -41.17 | -66.43 | 2.64 | 14.90 | H |
| | 5610 | -54.02 | -13 | -41.02 | -65.88 | 2.94 | 14.80 | H |
| | 7485 | -51.65 | -13 | -38.65 | -61.42 | 3.39 | 13.16 | H |
| | 3735 | -55.13 | -13 | -42.13 | -67.39 | 2.64 | 14.90 | V |
| | 5610 | -54.24 | -13 | -41.24 | -66.10 | 2.94 | 14.80 | V |
| | 7485 | -51.76 | -13 | -38.76 | -61.53 | 3.39 | 13.16 | V |
| Highest | 3780 | -57.11 | -13 | -44.11 | -69.37 | 2.64 | 14.90 | H |
| | 5670 | -54.65 | -13 | -41.65 | -66.51 | 2.94 | 14.80 | H |
| | 7560 | -51.49 | -13 | -38.49 | -61.26 | 3.39 | 13.16 | H |
| | 3780 | -56.49 | -13 | -43.49 | -68.75 | 2.64 | 14.90 | V |
| | 5670 | -55.34 | -13 | -42.34 | -67.20 | 2.94 | 14.80 | V |
| | 7560 | -52.38 | -13 | -39.38 | -62.15 | 3.39 | 13.16 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 20MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3420 | -57.98 | -13 | -44.98 | -68.72 | 2.604 | 13.34 | H |
| | 5130 | -54.20 | -13 | -41.20 | -64.71 | 3.011 | 13.52 | H |
| | 6840 | -53.95 | -13 | -40.95 | -64.15 | 3.271 | 13.47 | H |
| | 3420 | -57.27 | -13 | -44.27 | -68.01 | 2.604 | 13.34 | V |
| | 5130 | -54.75 | -13 | -41.75 | -65.26 | 3.011 | 13.52 | V |
| | 6840 | -54.01 | -13 | -41.01 | -64.21 | 3.271 | 13.47 | V |
| Middle | 3447 | -53.77 | -13 | -40.77 | -64.51 | 2.604 | 13.34 | H |
| | 5169 | -54.16 | -13 | -41.16 | -64.67 | 3.011 | 13.52 | H |
| | 6888 | -53.93 | -13 | -40.93 | -64.13 | 3.271 | 13.47 | H |
| | 3447 | -57.48 | -13 | -44.48 | -68.22 | 2.604 | 13.34 | V |
| | 5169 | -54.39 | -13 | -41.39 | -64.90 | 3.011 | 13.52 | V |
| | 6888 | -53.98 | -13 | -40.98 | -64.18 | 3.271 | 13.47 | V |
| Highest | 3465 | -57.65 | -13 | -44.65 | -68.39 | 2.604 | 13.34 | H |
| | 5205 | -53.60 | -13 | -40.60 | -64.11 | 3.011 | 13.52 | H |
| | 6945 | -53.84 | -13 | -40.84 | -64.04 | 3.271 | 13.47 | H |
| | 3465 | -57.44 | -13 | -44.44 | -68.18 | 2.604 | 13.34 | V |
| | 5205 | -53.96 | -13 | -40.96 | -64.47 | 3.011 | 13.52 | V |
| | 6945 | -53.45 | -13 | -40.45 | -63.65 | 3.271 | 13.47 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 5 / 10MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1648 | -64.53 | -13 | -51.53 | -71.50 | 1.58 | 10.70 | H |
| | 2472 | -60.82 | -13 | -47.82 | -69.07 | 2.102 | 12.50 | H |
| | 3296 | -59.83 | -13 | -46.83 | -68.72 | 2.856 | 13.90 | H |
| | 1648 | -64.29 | -13 | -51.29 | -71.26 | 1.58 | 10.70 | V |
| | 2472 | -58.56 | -13 | -45.56 | -66.81 | 2.10 | 12.50 | V |
| | 3296 | -59.96 | -13 | -46.96 | -68.85 | 2.86 | 13.90 | V |
| Middle | 1664 | -60.95 | -13 | -47.95 | -67.92 | 1.58 | 10.70 | H |
| | 2496 | -60.62 | -13 | -47.62 | -68.87 | 2.102 | 12.50 | H |
| | 3328 | -60.28 | -13 | -47.28 | -69.17 | 2.856 | 13.90 | H |
| | 1664 | -63.87 | -13 | -50.87 | -70.84 | 1.58 | 10.70 | V |
| | 2496 | -59.82 | -13 | -46.82 | -68.07 | 2.10 | 12.50 | V |
| | 3328 | -60.78 | -13 | -47.78 | -69.67 | 2.86 | 13.90 | V |
| Highest | 1680 | -65.11 | -13 | -52.11 | -72.08 | 1.58 | 10.70 | H |
| | 2520 | -59.84 | -13 | -46.84 | -68.09 | 2.102 | 12.50 | H |
| | 3360 | -60.13 | -13 | -47.13 | -69.02 | 2.856 | 13.90 | H |
| | 1680 | -63.95 | -13 | -50.95 | -70.92 | 1.58 | 10.70 | V |
| | 2520 | -59.36 | -13 | -46.36 | -67.61 | 2.10 | 12.50 | V |
| | 3360 | -60.25 | -13 | -47.25 | -69.14 | 2.86 | 13.90 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 20MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5008 | -59.33 | -25 | -34.33 | -69.54 | 3.03 | 13.24 | H |
| | 7500 | -52.83 | -25 | -27.83 | -62.28 | 3.56 | 13.01 | H |
| | 10006 | -62.50 | -25 | -37.50 | -72.02 | 3.92 | 13.44 | H |
| | 5008 | -59.13 | -25 | -34.13 | -69.34 | 3.03 | 13.24 | V |
| | 7500 | -53.93 | -25 | -28.93 | -63.38 | 3.56 | 13.01 | V |
| | 10006 | -62.68 | -25 | -37.68 | -72.20 | 3.92 | 13.44 | V |
| Middle | 5050 | -64.76 | -25 | -39.76 | -74.97 | 3.03 | 13.24 | H |
| | 7584 | -58.84 | -25 | -33.84 | -68.29 | 3.56 | 13.01 | H |
| | 10104 | -62.56 | -25 | -37.56 | -72.08 | 3.92 | 13.44 | H |
| | 5050 | -52.88 | -25 | -27.88 | -63.09 | 3.03 | 13.24 | V |
| | 7584 | -53.25 | -25 | -28.25 | -62.70 | 3.56 | 13.01 | V |
| | 10104 | -62.68 | -25 | -37.68 | -72.20 | 3.92 | 13.44 | V |
| Highest | 5106 | -58.60 | -25 | -33.60 | -68.81 | 3.03 | 13.24 | H |
| | 7654 | -47.61 | -25 | -22.61 | -57.06 | 3.56 | 13.01 | H |
| | 10202 | -62.65 | -25 | -37.65 | -72.17 | 3.92 | 13.44 | H |
| | 5106 | -60.81 | -25 | -35.81 | -71.02 | 3.03 | 13.24 | V |
| | 7654 | -50.65 | -25 | -25.65 | -60.10 | 3.56 | 13.01 | V |
| | 10202 | -63.48 | -25 | -38.48 | -73.00 | 3.92 | 13.44 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 41 / 20MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5008 | -62.88 | -25 | -37.88 | -73.09 | 3.03 | 13.24 | H |
| | 7500 | -51.61 | -25 | -26.61 | -61.06 | 3.56 | 13.01 | H |
| | 10006 | -62.48 | -25 | -37.48 | -72.00 | 3.92 | 13.44 | H |
| | 5008 | -60.94 | -25 | -35.94 | -71.15 | 3.03 | 13.24 | V |
| | 7500 | -56.32 | -25 | -31.32 | -65.77 | 3.56 | 13.01 | V |
| | 10006 | -63.02 | -25 | -38.02 | -72.54 | 3.92 | 13.44 | V |
| Middle | 5162 | -59.82 | -25 | -34.82 | -70.03 | 3.03 | 13.24 | H |
| | 7752 | -44.83 | -25 | -19.83 | -54.28 | 3.56 | 13.01 | H |
| | 10342 | -62.53 | -25 | -37.53 | -72.05 | 3.92 | 13.44 | H |
| | 5162 | -62.93 | -25 | -37.93 | -73.14 | 3.03 | 13.24 | V |
| | 7752 | -46.23 | -25 | -21.23 | -55.68 | 3.56 | 13.01 | V |
| | 10342 | -62.79 | -25 | -37.79 | -72.31 | 3.92 | 13.44 | V |
| Highest | 5344 | -61.45 | -25 | -36.45 | -71.66 | 3.03 | 13.24 | H |
| | 8018 | -54.54 | -25 | -29.54 | -63.99 | 3.56 | 13.01 | H |
| | 10678 | -61.99 | -25 | -36.99 | -71.51 | 3.92 | 13.44 | H |
| | 5344 | -64.49 | -25 | -39.49 | -74.70 | 3.03 | 13.24 | V |
| | 8018 | -54.24 | -25 | -29.24 | -63.69 | 3.56 | 13.01 | V |
| | 10678 | -61.97 | -25 | -36.97 | -71.49 | 3.92 | 13.44 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.