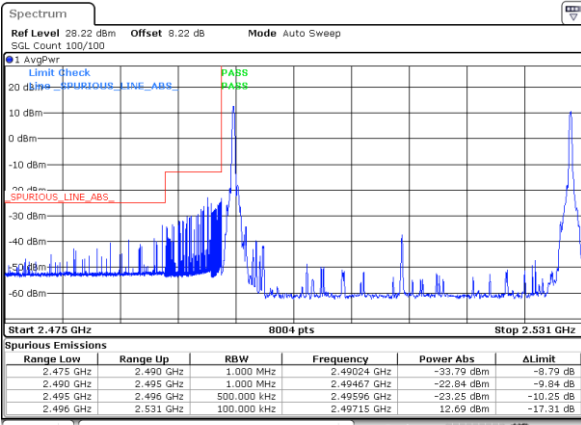




LTE Band 41C / 15MHz+20MHz

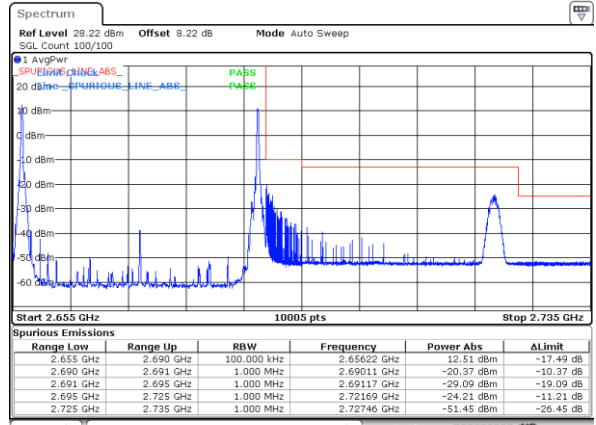
64QAM

Lowest Band Edge / 1RB0 and 1RB99



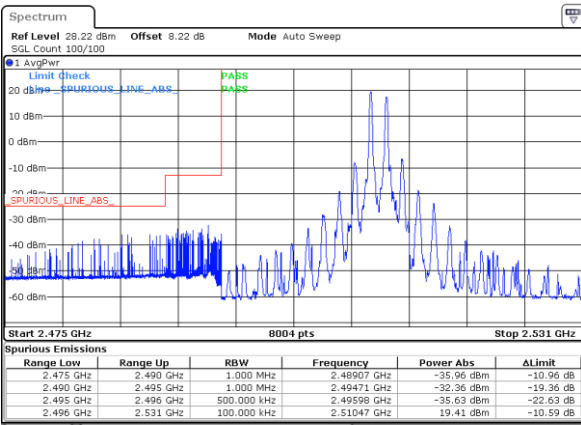
Date: 10. DEC. 2021 09:48:54

Highest Band Edge / 1RB0 and 1RB99



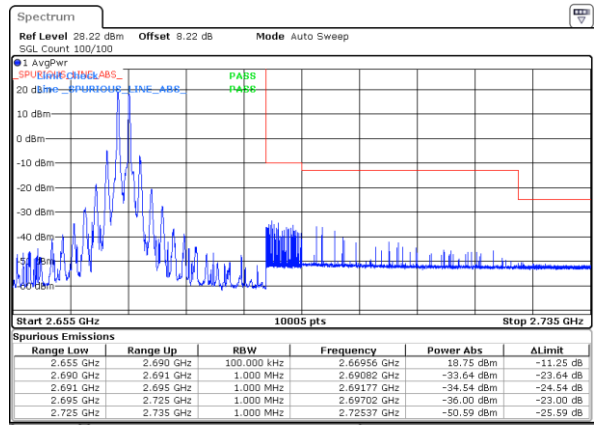
Date: 10. DEC. 2021 09:58:04

Lowest Band Edge / 1RB74and 1RB0



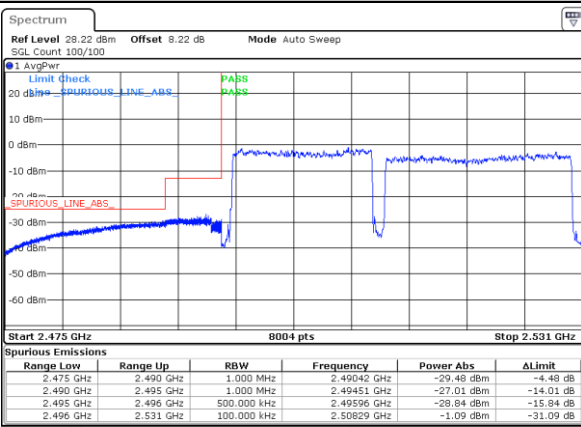
Date: 10. DEC. 2021 09:51:28

Highest Band Edge / 1RB74 and 1RB0



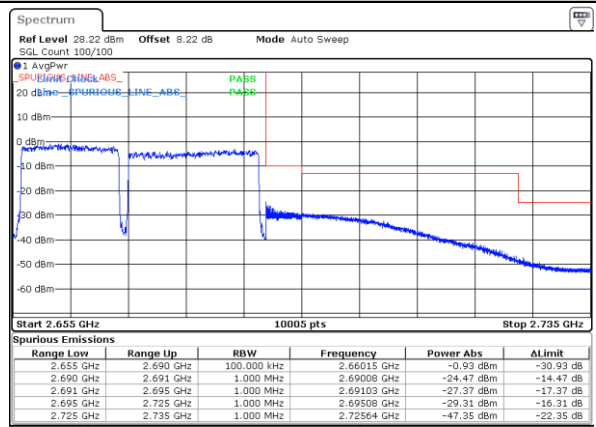
Date: 10. DEC. 2021 10:00:48

Lowest Band Edge / Full RB



Date: 10. DEC. 2021 09:45:18

Highest Band Edge / Full RB



Date: 10. DEC. 2021 09:55:00

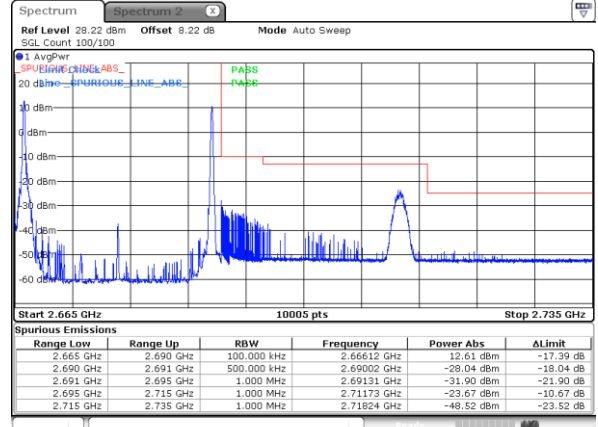
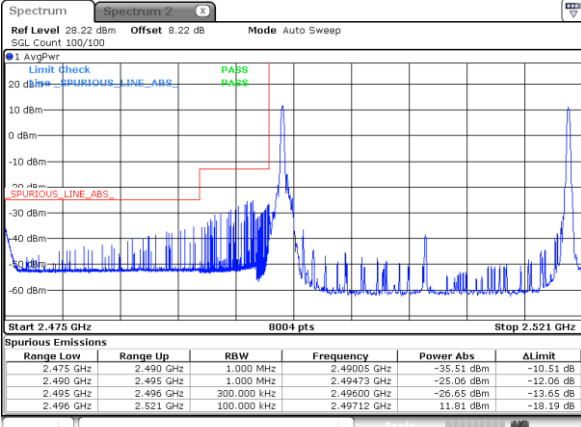


LTE Band 41C / 20MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

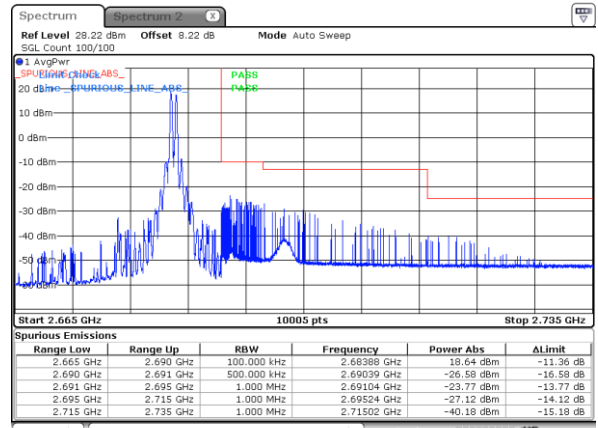
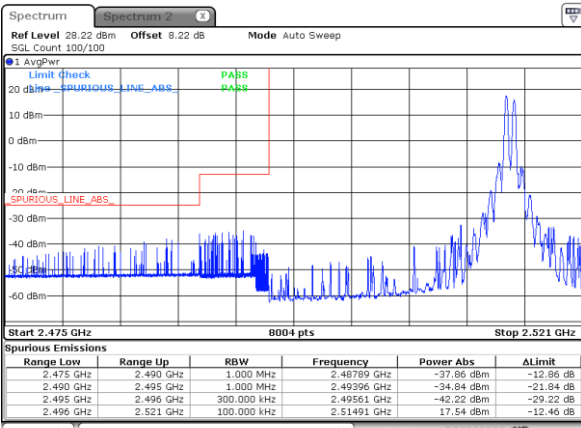


Date: 10, DEC, 2021 04:03:46

Date: 10, DEC, 2021 04:24:55

Lowest Band Edge / 1RB99and 1RB0

Highest Band Edge / 1RB99 and 1RB0

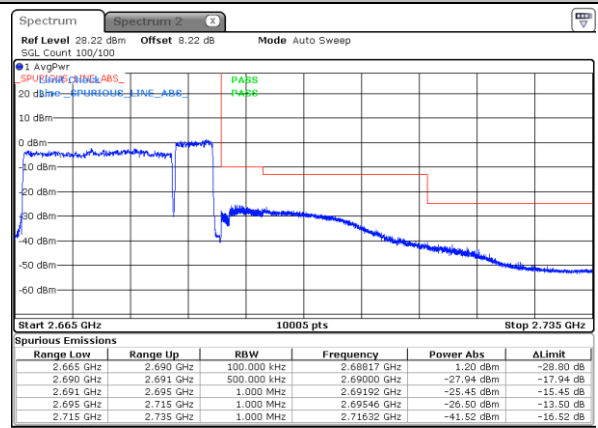
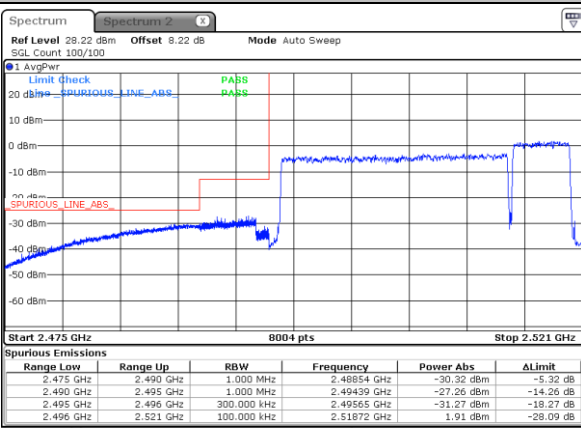


Date: 10, DEC, 2021 04:13:03

Date: 10, DEC, 2021 04:26:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10, DEC, 2021 04:01:54

Date: 10, DEC, 2021 04:15:41

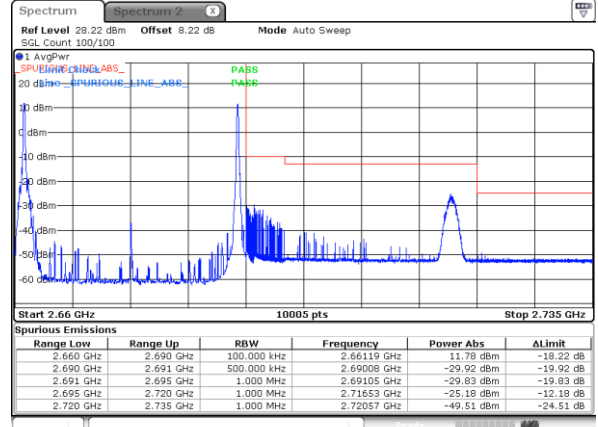
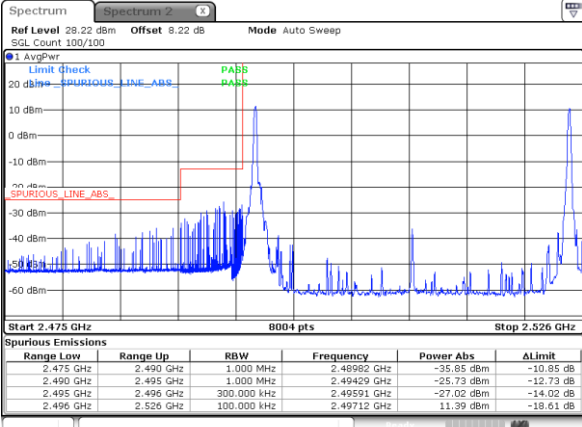


LTE Band 41C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

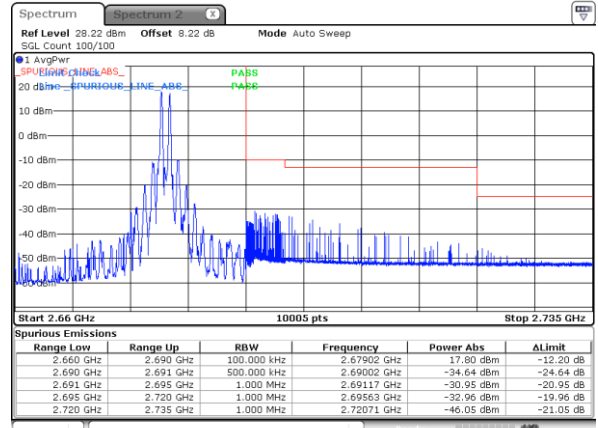
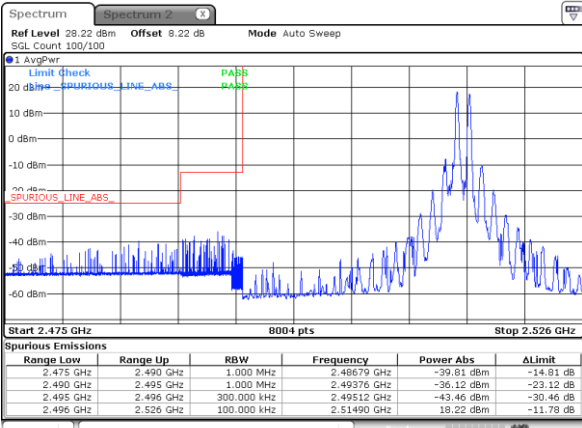


Date: 10, DEC, 2021 06:21:35

Date: 10, DEC, 2021 06:42:45

Lowest Band Edge / 1RB99and 1RB0

Highest Band Edge / 1RB99 and 1RB0

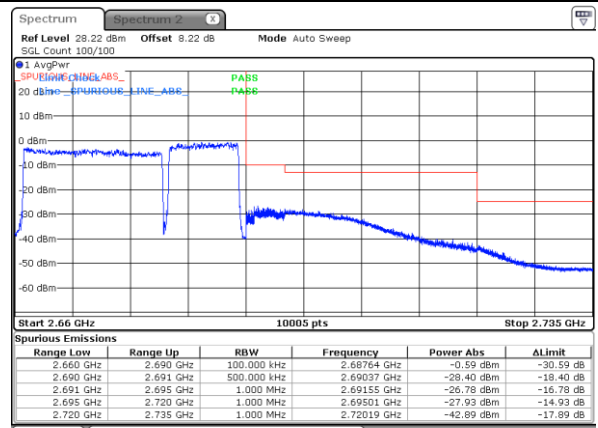
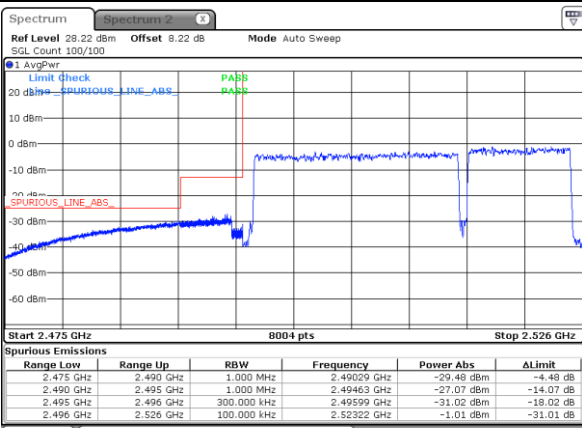


Date: 10, DEC, 2021 06:30:53

Date: 10, DEC, 2021 06:44:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10, DEC, 2021 06:19:43

Date: 10, DEC, 2021 06:33:31

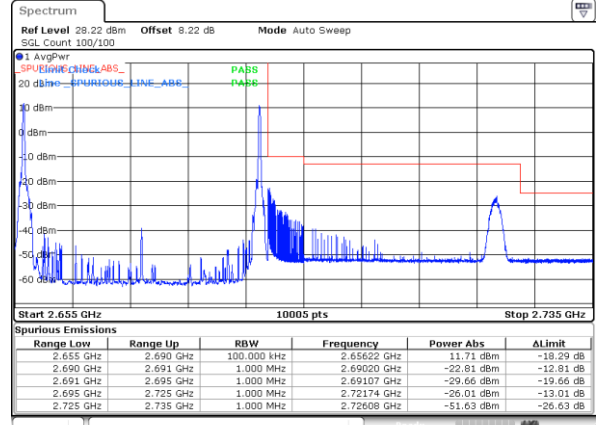
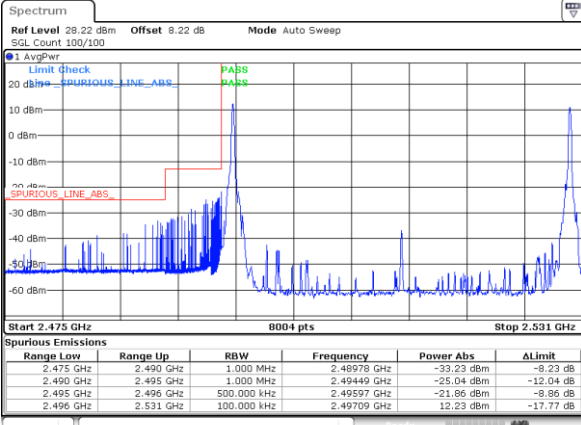


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

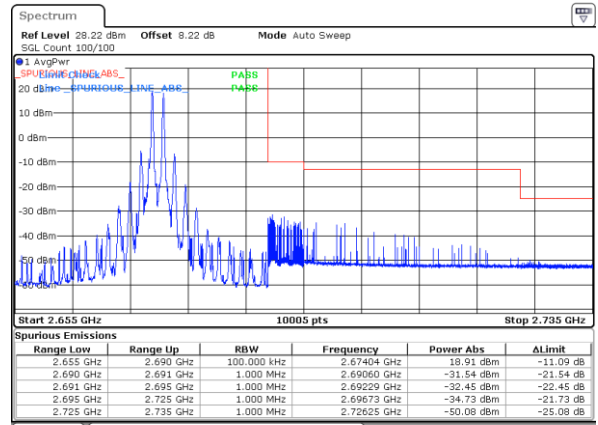
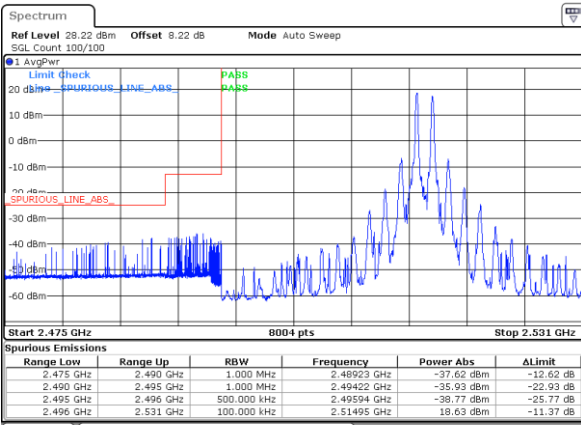


Date: 10, DEC, 2021 10:07:39

Date: 10, DEC, 2021 10:17:13

Lowest Band Edge / 1RB99and 1RB0

Highest Band Edge / 1RB99 and 1RB0

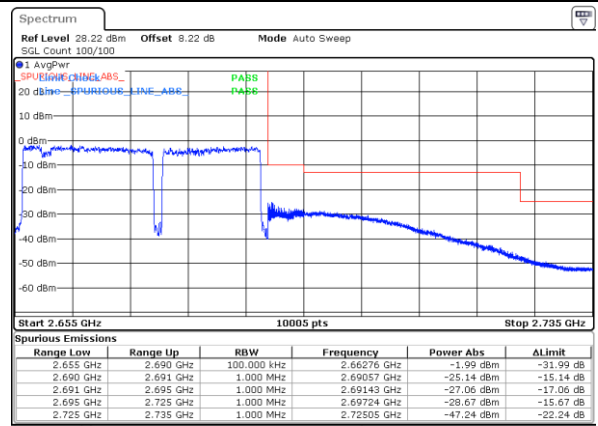
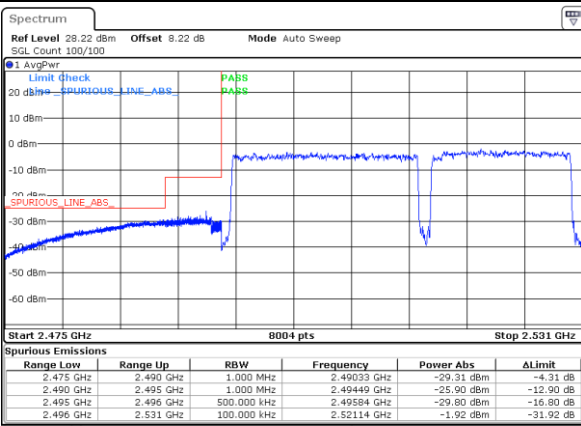


Date: 10, DEC, 2021 10:10:21

Date: 10, DEC, 2021 10:20:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10, DEC, 2021 10:04:20

Date: 10, DEC, 2021 10:14:08

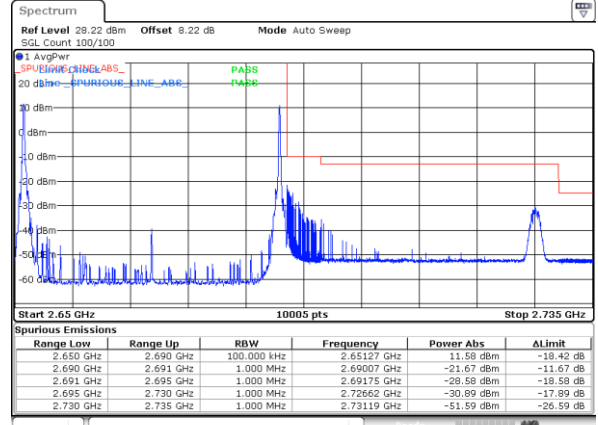
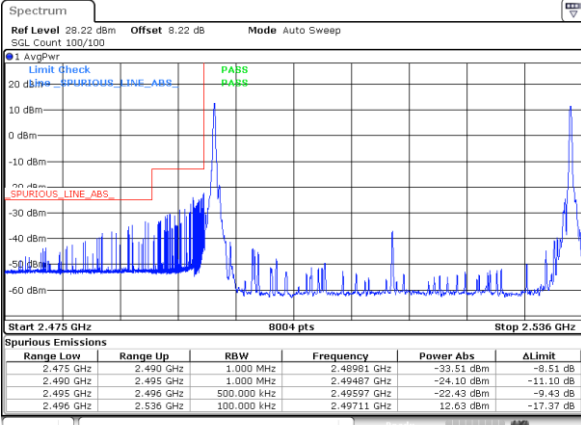


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

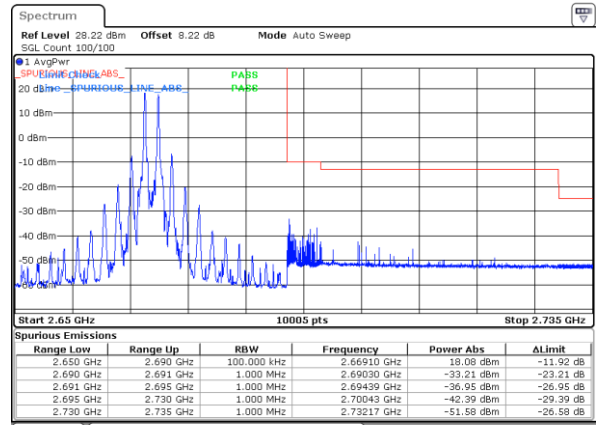
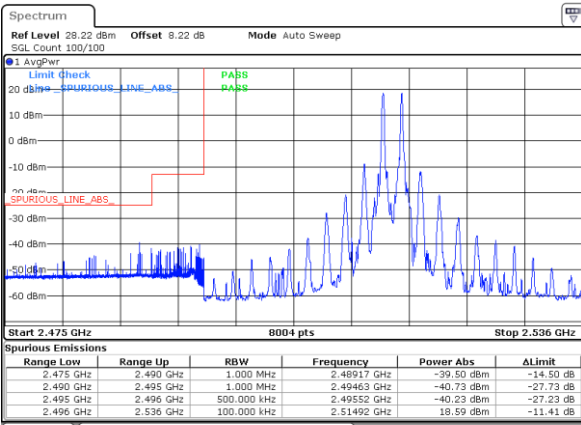


Date: 10. DEC. 2021 10:25:54

Date: 10. DEC. 2021 10:37:43

Lowest Band Edge / 1RB74and 1RB0

Highest Band Edge / 1RB74 and 1RB0

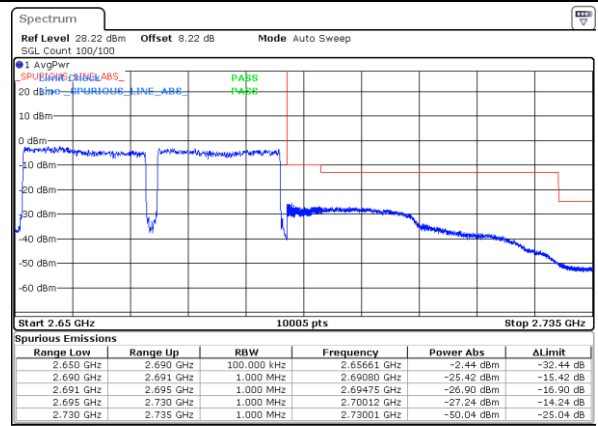
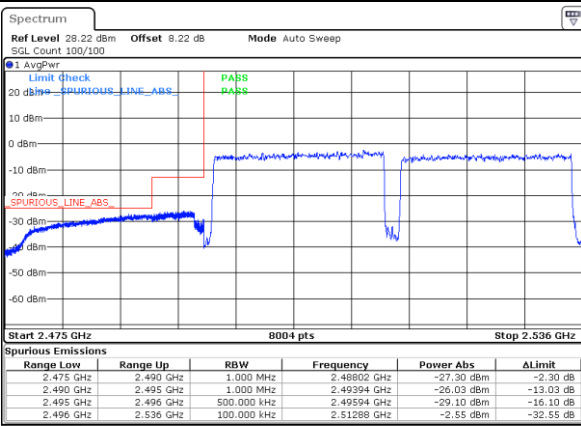


Date: 10. DEC. 2021 10:29:23

Date: 10. DEC. 2021 10:40:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10. DEC. 2021 10:23:16

Date: 10. DEC. 2021 10:32:39



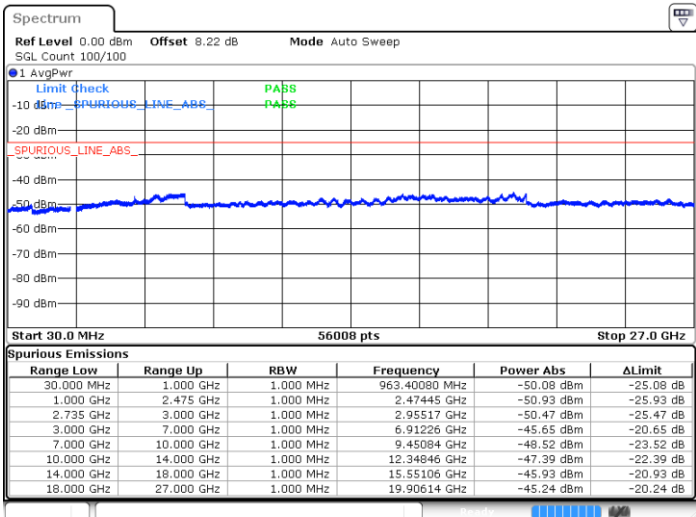
Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

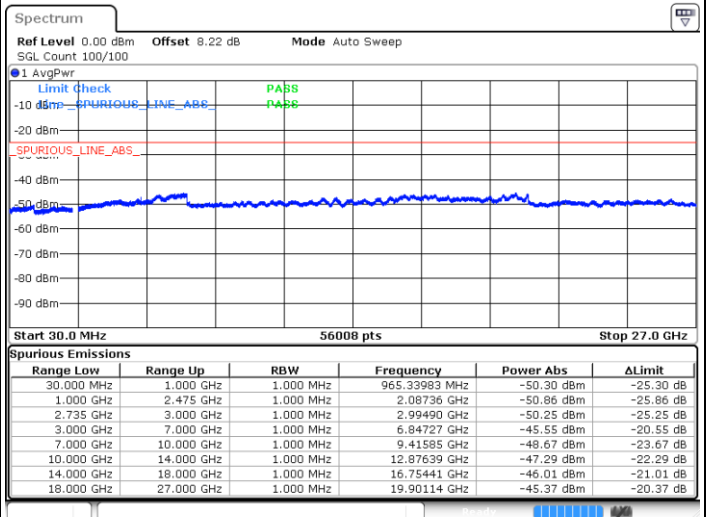
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0



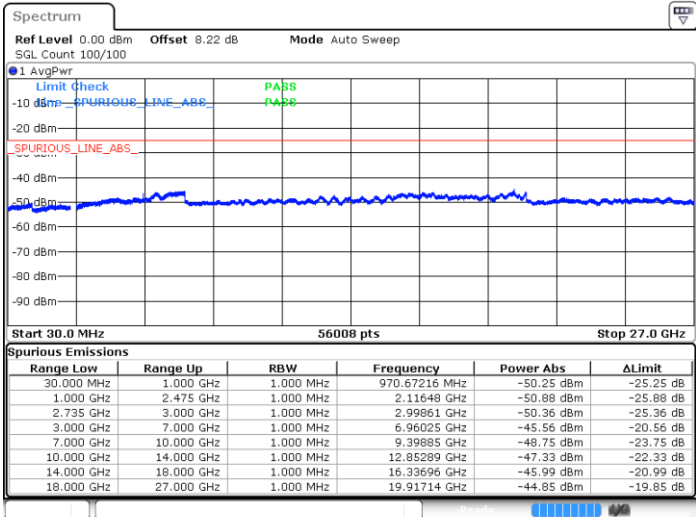
Date: 1 DEC.2021 06:39:18



Date: 1 DEC.2021 06:42:24

Highest Channel / 1RB24 and 1RB0

N/A



Date: 1 DEC.2021 06:45:29

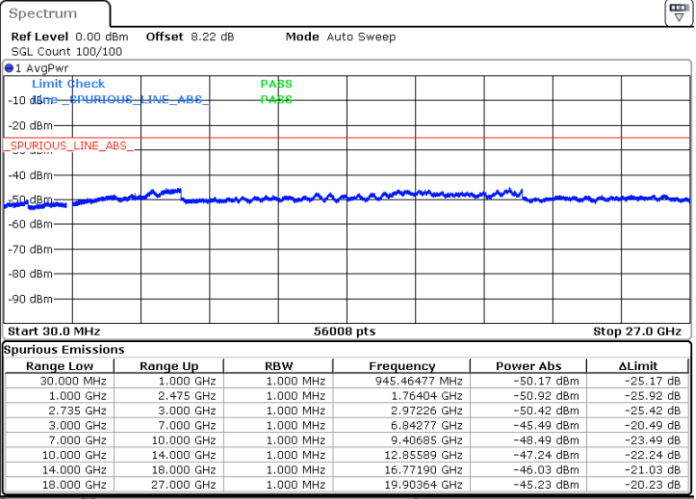
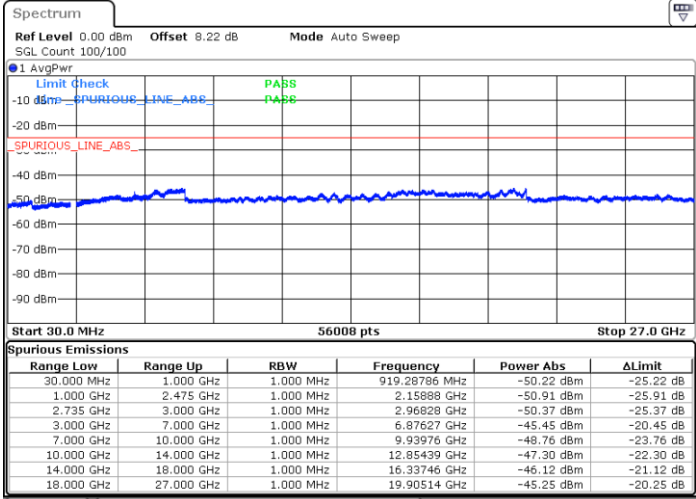


LTE Band 41C / 10MHz+15MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

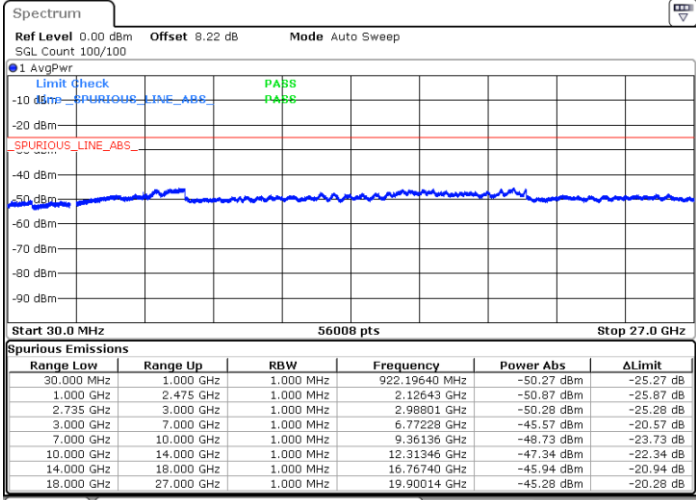


Date: 1 DEC.2021 06:20:45

Date: 1 DEC.2021 06:23:50

Highest Channel / 1RB49and 1RB0

N/A



Date: 1 DEC.2021 06:26:56

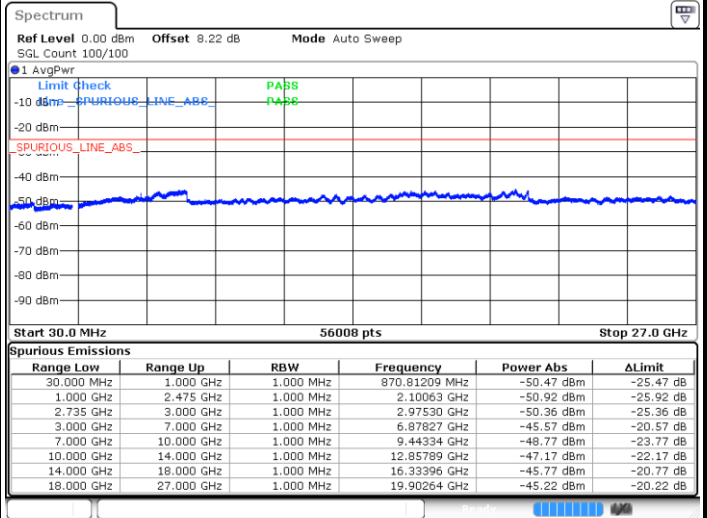
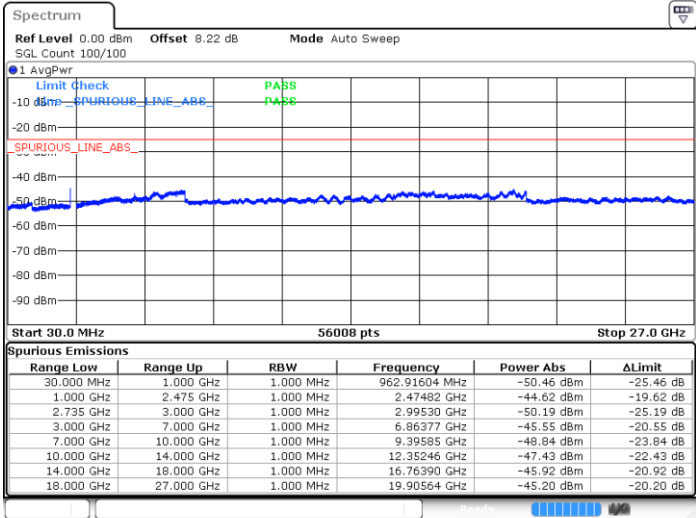


LTE Band 41C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

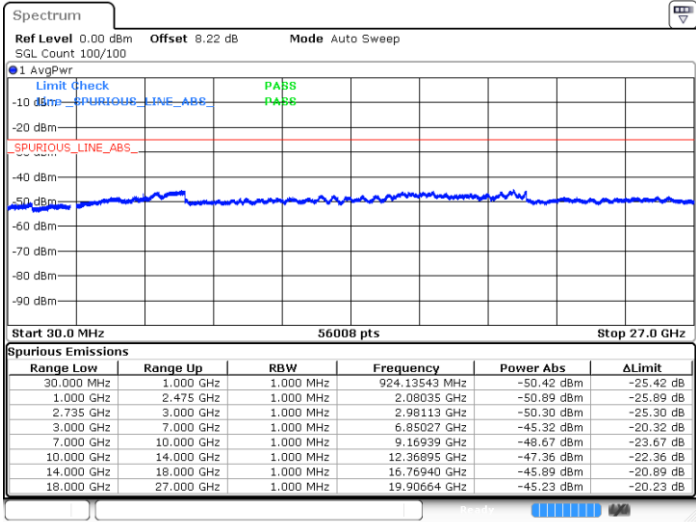


Date: 1.DEC.2021 06:02:11

Date: 1.DEC.2021 06:05:16

Highest Channel / 1RB49and 1RB0

N/A



Date: 1.DEC.2021 06:08:22

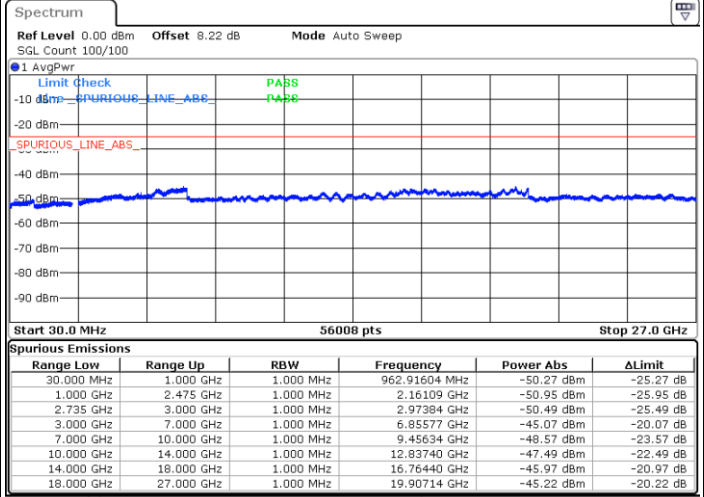
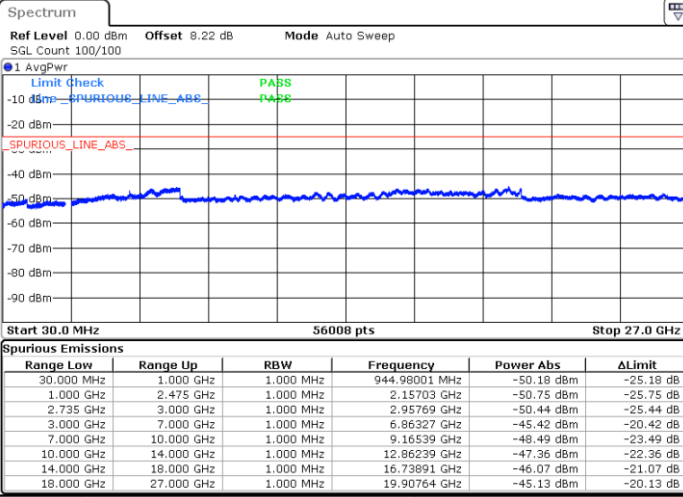


LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel /1RB74 and 1RB0

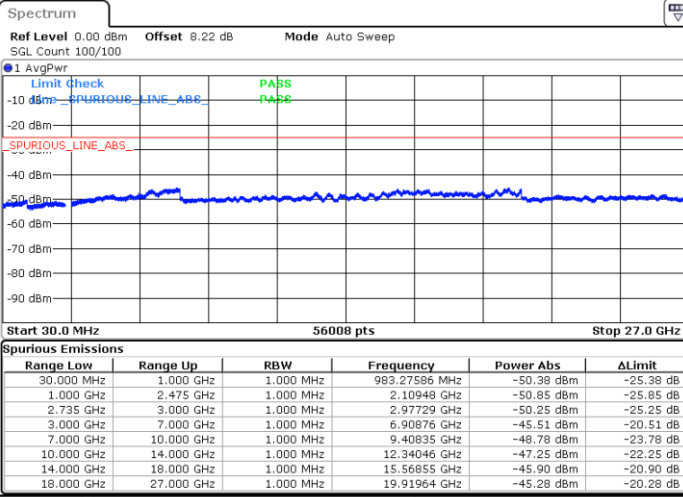


Date: 1.DEC.2021 06:11:28

Date: 1.DEC.2021 06:14:34

Highest Channel 1RB74 and 1RB0

N/A



Date: 1.DEC.2021 06:17:39

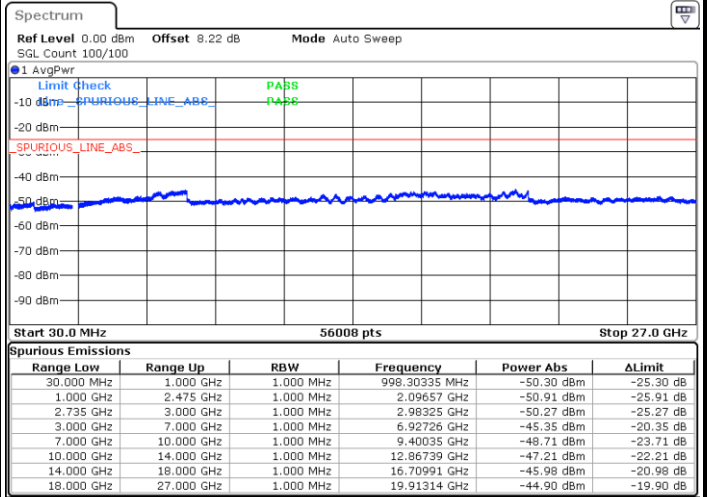
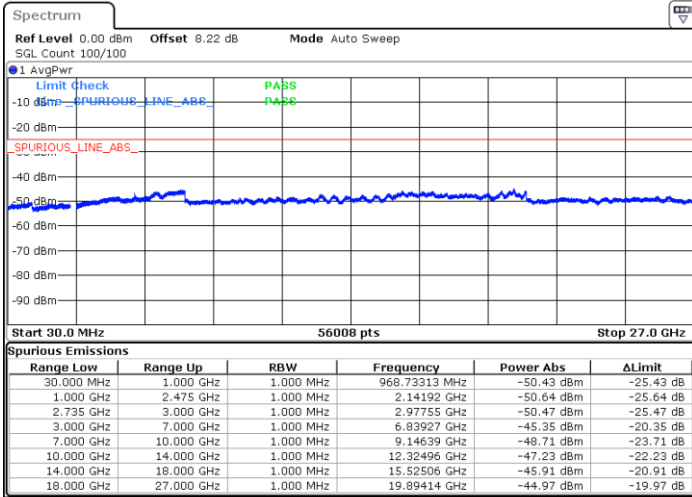


LTE Band 41C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

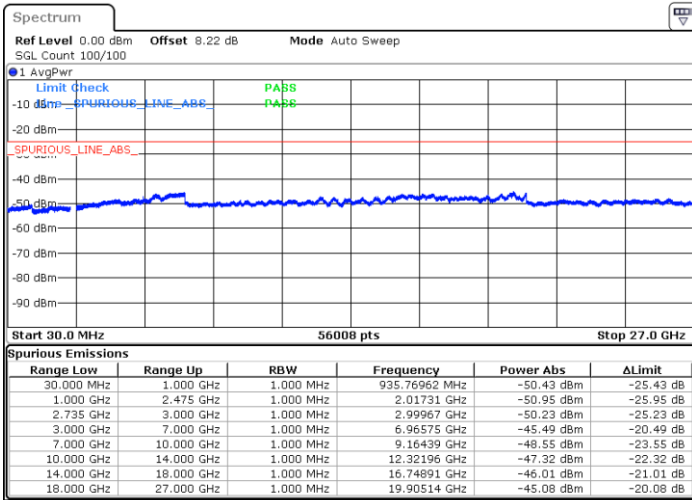


Date: 1 DEC 2021 05:43:37

Date: 1 DEC 2021 05:46:43

Highest Channel / 1RB74and 1RB0

N/A



Date: 1 DEC 2021 05:49:48

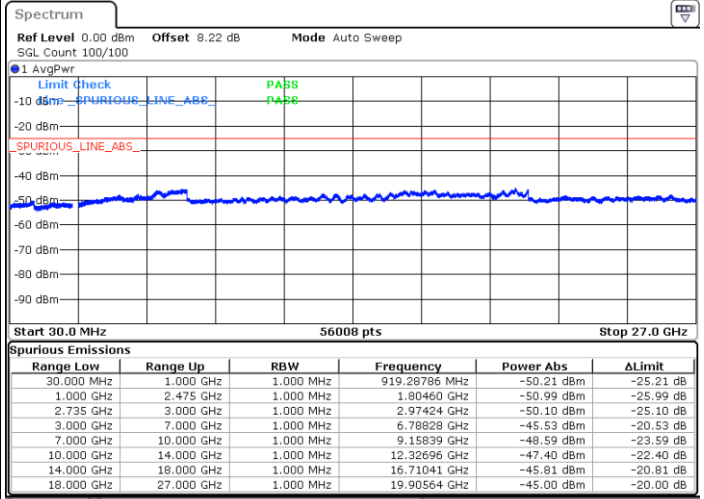
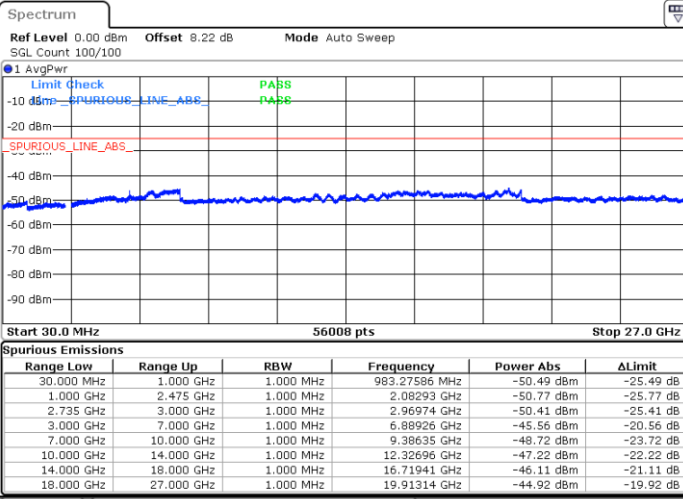


LTE Band 41C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

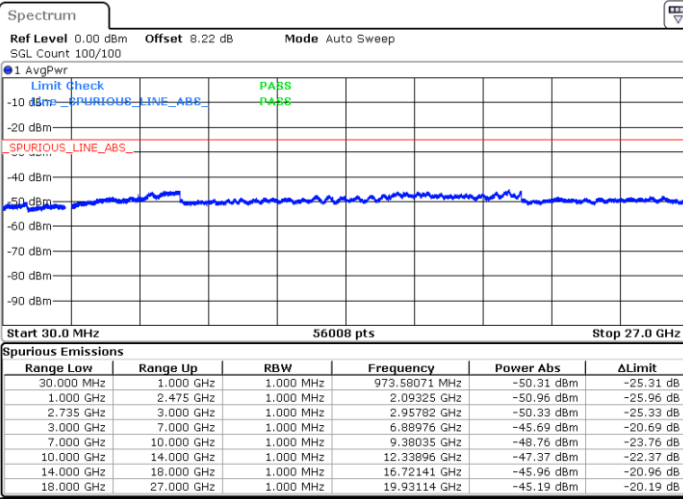


Date: 1 DEC.2021 05:34:20

Date: 1 DEC.2021 05:37:26

Highest Channel / 1RB49and 1RB0

N/A



Date: 1 DEC.2021 05:40:31

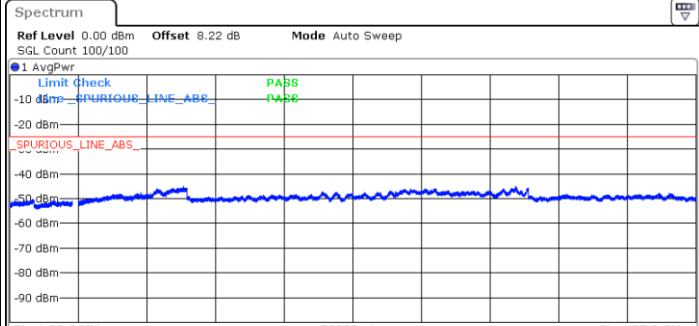
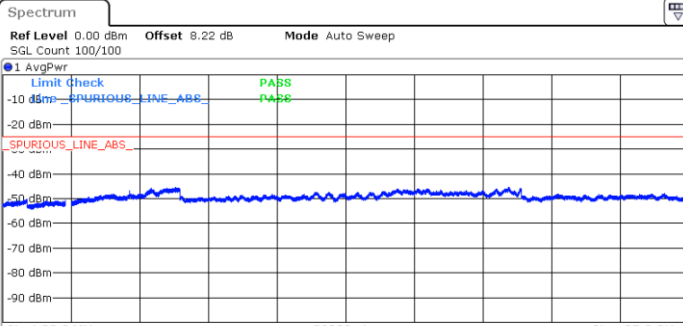


LTE Band 41C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0



Start 30.0 MHz 56008 pts Stop 27.0 GHz

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 942.55622 MHz | -50.33 dBm | -25.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47408 GHz | -50.70 dBm | -25.70 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.99914 GHz | -50.43 dBm | -25.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.83127 GHz | -45.54 dBm | -20.54 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.36986 GHz | -48.66 dBm | -23.66 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.30946 GHz | -47.41 dBm | -22.41 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.52756 GHz | -46.09 dBm | -21.09 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91314 GHz | -45.25 dBm | -20.25 dB |

Start 30.0 MHz 56008 pts Stop 27.0 GHz

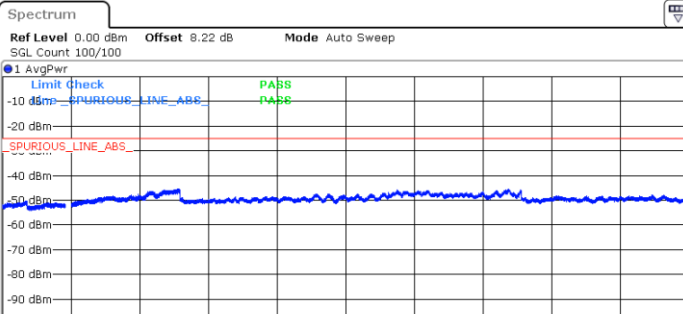
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 917.83358 MHz | -50.41 dBm | -25.41 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.75851 GHz | -50.98 dBm | -25.98 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.94285 GHz | -50.28 dBm | -25.28 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86277 GHz | -45.23 dBm | -20.23 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.41735 GHz | -48.60 dBm | -23.60 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.31696 GHz | -47.25 dBm | -22.25 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.77903 GHz | -46.11 dBm | -21.11 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90064 GHz | -45.18 dBm | -20.18 dB |

Date: 1 DEC 2021 06:30:02

Date: 1 DEC 2021 06:33:07

Highest Channel / 1RB99and 1RB0

N/A



Start 30.0 MHz 56008 pts Stop 27.0 GHz

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 953.70565 MHz | -50.29 dBm | -25.29 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.74967 GHz | -51.02 dBm | -26.02 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.97199 GHz | -50.46 dBm | -25.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94726 GHz | -45.46 dBm | -20.46 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16639 GHz | -48.75 dBm | -23.75 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.37245 GHz | -47.40 dBm | -22.40 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.53856 GHz | -45.69 dBm | -20.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90814 GHz | -45.33 dBm | -20.33 dB |

Date: 1 DEC 2021 06:36:12

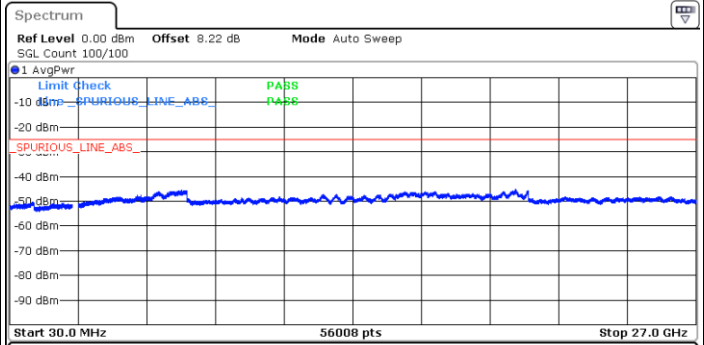
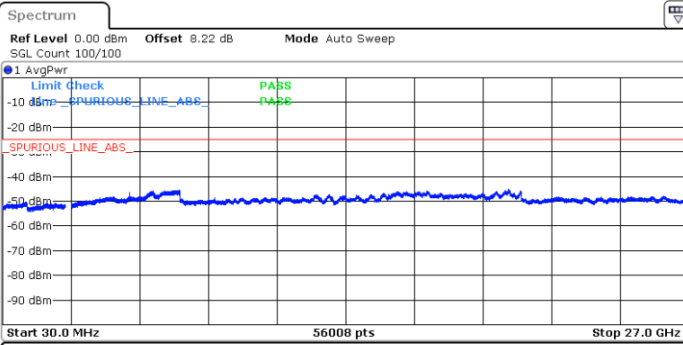


LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0



| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 965.82459 MHz | -50.34 dBm | -25.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.08109 GHz | -50.86 dBm | -25.86 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.96073 GHz | -50.18 dBm | -25.18 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96075 GHz | -45.42 dBm | -20.42 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 8.36102 GHz | -48.76 dBm | -23.76 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.87489 GHz | -47.35 dBm | -22.35 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.70441 GHz | -45.94 dBm | -20.94 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.90864 GHz | -44.93 dBm | -19.93 dB |

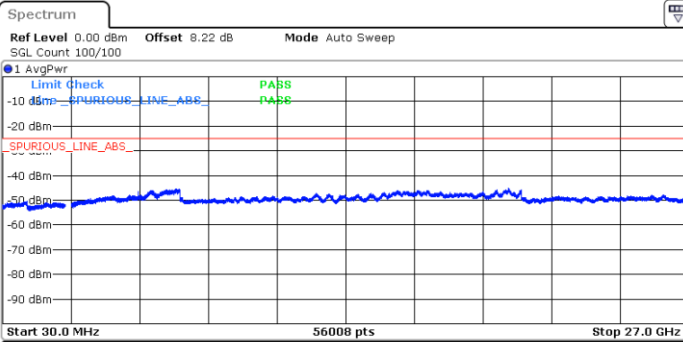
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 954.19040 MHz | -50.48 dBm | -25.48 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.15519 GHz | -50.84 dBm | -25.84 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.93809 GHz | -50.38 dBm | -25.38 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80127 GHz | -45.56 dBm | -20.56 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40785 GHz | -48.62 dBm | -23.62 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.35696 GHz | -47.23 dBm | -22.23 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.74691 GHz | -46.03 dBm | -21.03 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91164 GHz | -45.20 dBm | -20.20 dB |

Date: 1 DEC.2021 05:52:54

Date: 1 DEC.2021 05:55:59

Highest Channel / 1RB99and 1RB0

N/A



| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 969.70265 MHz | -50.30 dBm | -25.30 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.29602 GHz | -50.89 dBm | -25.89 dB |
| 2.735 GHz | 3.000 GHz | 1.000 MHz | 2.99013 GHz | -50.23 dBm | -25.23 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97525 GHz | -45.46 dBm | -20.46 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.41235 GHz | -48.63 dBm | -23.63 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.36245 GHz | -47.17 dBm | -22.17 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.75491 GHz | -46.03 dBm | -21.03 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.91164 GHz | -45.01 dBm | -20.01 dB |

Date: 1 DEC.2021 05:59:05

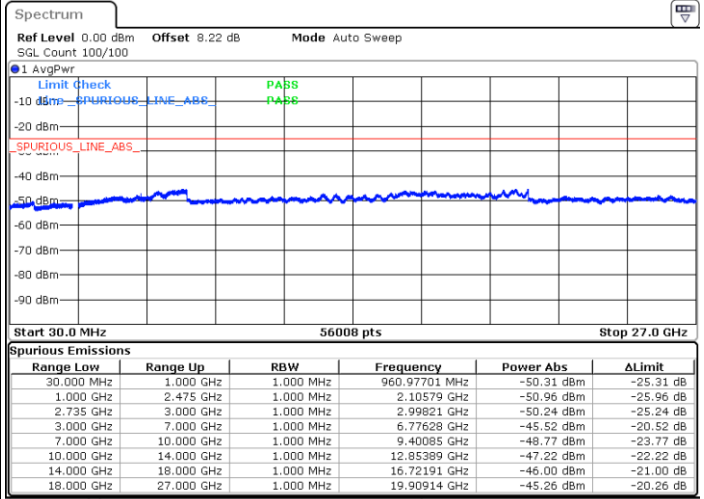
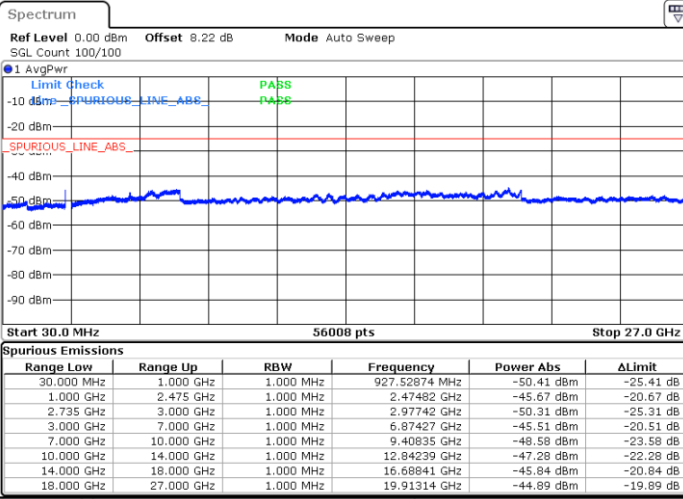


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

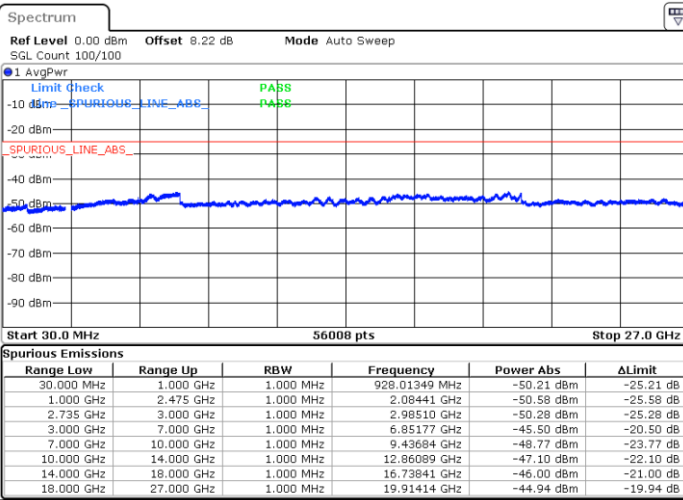


Date: 1 DEC.2021 05:25:03

Date: 1 DEC.2021 05:28:09

Highest Channel / 1RB99and 1RB0

N/A



Date: 1 DEC.2021 05:31:14

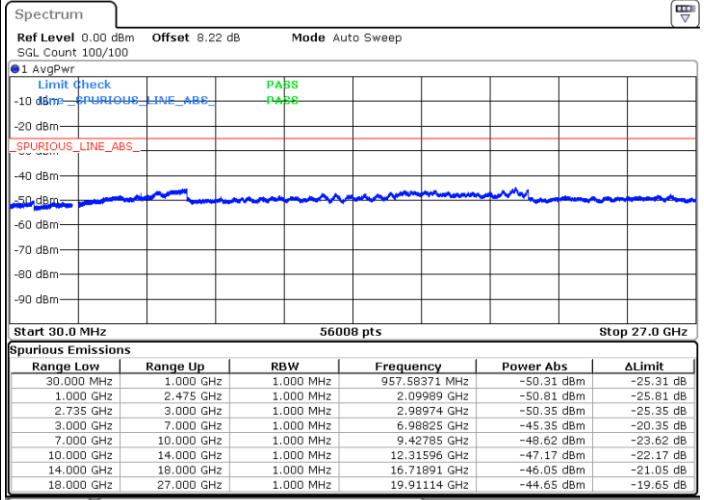
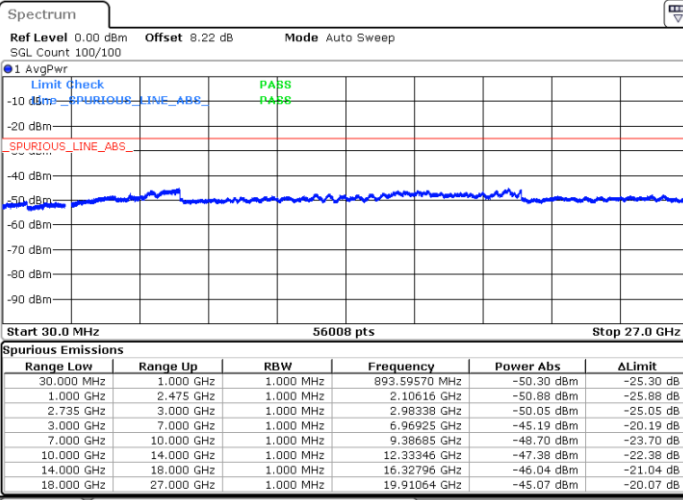


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

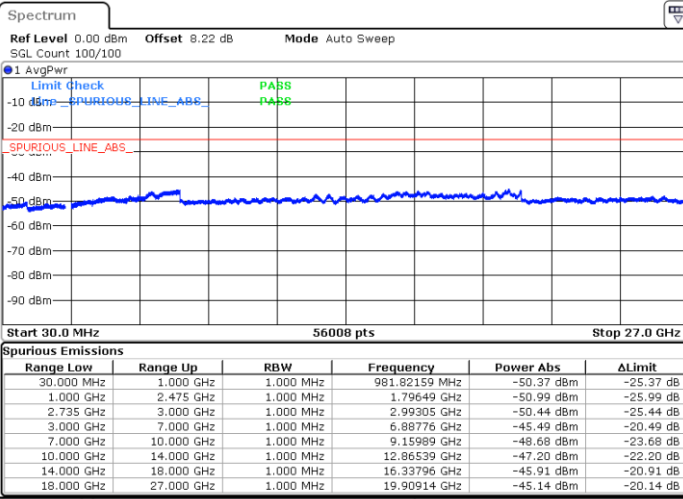


Date: 1 DEC.2021 05:18:53

Date: 1 DEC.2021 07:50:02

Highest Channel / 1RB99and 1RB0

N/A



Date: 1 DEC.2021 05:21:58



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

| LTE Band 7 / 20MHz / QPSK Ant 0 | | | | | | | | |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 5052 | -62.85 | -25 | -37.85 | -73.06 | 3.03 | 13.24 | H |
| | 7580 | -55.95 | -25 | -30.95 | -65.40 | 3.56 | 13.01 | H |
| | 10100 | -53.28 | -25 | -28.28 | -62.80 | 3.92 | 13.44 | H |
| | 12630 | -52.58 | -25 | -27.58 | -62.50 | 4.44 | 14.36 | H |
| | 15160 | -56.81 | -25 | -31.81 | -67.18 | 4.77 | 15.14 | H |
| | 17680 | -46.30 | -24 | -22.30 | -56.41 | 5.44 | 15.55 | H |
| | 5052 | -64.11 | -25 | -39.11 | -74.32 | 3.03 | 13.24 | V |
| | 7576 | -59.27 | -25 | -34.27 | -68.72 | 3.56 | 13.01 | V |
| | 10100 | -51.70 | -25 | -26.70 | -61.22 | 3.92 | 13.44 | V |
| | 12630 | -56.50 | -25 | -31.50 | -66.42 | 4.44 | 14.36 | V |
| | 15156.54 | -57.17 | -25 | -32.17 | -67.54 | 4.77 | 15.14 | V |
| | 17680 | -45.34 | -24 | -21.34 | -55.45 | 5.44 | 15.55 | V |

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

| LTE Band 41 / 20MHz / QPSK Ant 0 | | | | | | | | |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 5170 | -63.00 | -25 | -38.00 | -73.21 | 3.03 | 13.24 | H |
| | 7750 | -56.68 | -25 | -31.68 | -66.13 | 3.56 | 13.01 | H |
| | 10332 | -56.86 | -25 | -31.86 | -66.38 | 3.92 | 13.44 | H |
| | 5170 | -63.91 | -25 | -38.91 | -74.12 | 3.03 | 13.24 | V |
| | 7750 | -58.62 | -25 | -33.62 | -68.07 | 3.56 | 13.01 | V |
| | 10332 | -51.41 | -25 | -26.41 | -60.93 | 3.92 | 13.44 | V |

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



| LTE Band 7C_CA / 20MHz+20MHz / QPSK Ant 0 | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 5030 | -63.81 | -25 | -38.81 | -74.02 | 3.03 | 13.24 | H |
| | 7548.57 | -59.30 | -25 | -34.30 | -68.75 | 3.56 | 13.01 | H |
| | 10062 | -59.96 | -25 | -34.96 | -69.48 | 3.92 | 13.44 | H |
| | 5030 | -63.93 | -25 | -38.93 | -74.14 | 3.03 | 13.24 | V |
| | 7548.57 | -60.86 | -25 | -35.86 | -70.31 | 3.56 | 13.01 | V |
| | 10062 | -59.80 | -25 | -34.80 | -69.32 | 3.92 | 13.44 | V |

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

| LTE Band 41C_CA / 20MHz+20MHz / QPSK Ant 0 | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 5150 | -63.81 | -25 | -38.81 | -74.02 | 3.03 | 13.24 | H |
| | 7722.56 | -60.56 | -25 | -35.56 | -70.01 | 3.56 | 13.01 | H |
| | 10296 | -59.97 | -25 | -34.97 | -69.49 | 3.92 | 13.44 | H |
| | 5148.38 | -63.90 | -25 | -38.90 | -74.11 | 3.03 | 13.24 | V |
| | 7725 | -60.90 | -25 | -35.90 | -70.35 | 3.56 | 13.01 | V |
| | 10296 | -59.50 | -25 | -34.50 | -69.02 | 3.92 | 13.44 | V |

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