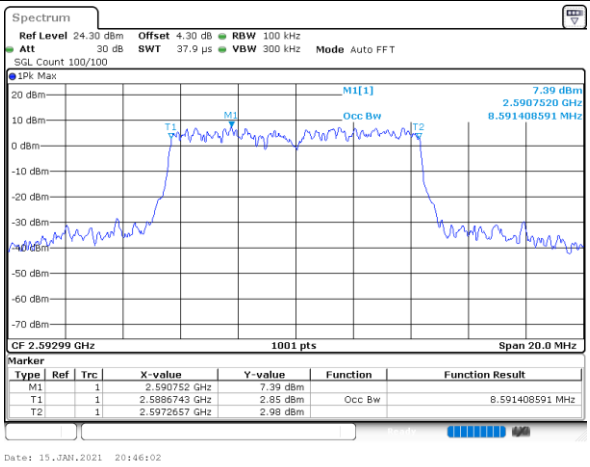
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)

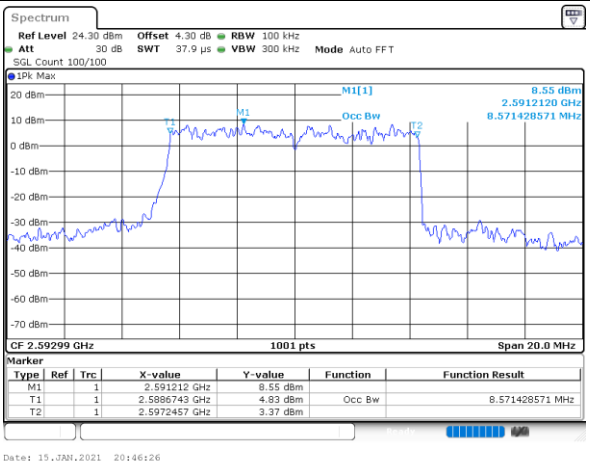
QPSK

Middle Channel



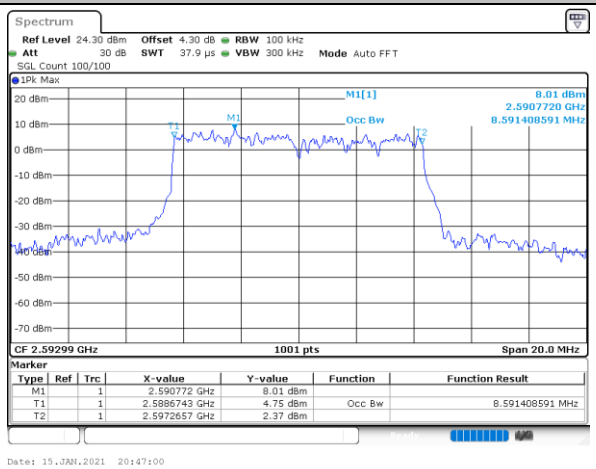
16QAM

Middle Channel



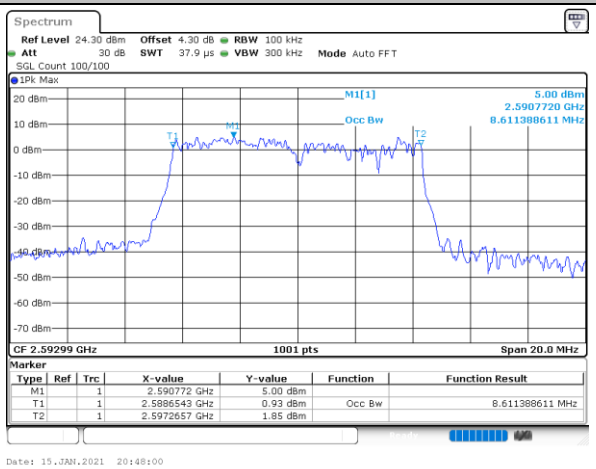
64QAM

Middle Channel



256QAM

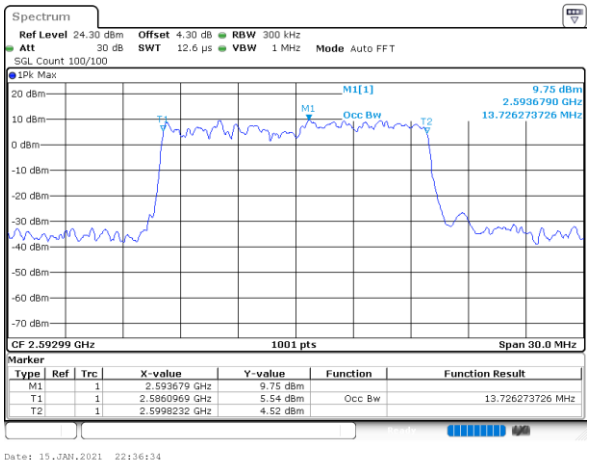
Middle Channel



FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M2)

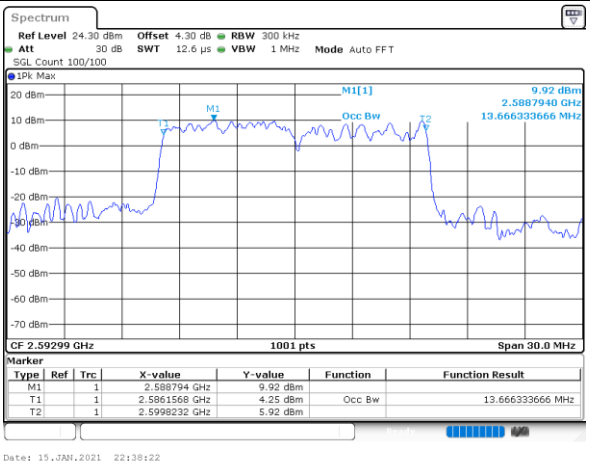
QPSK

Middle Channel



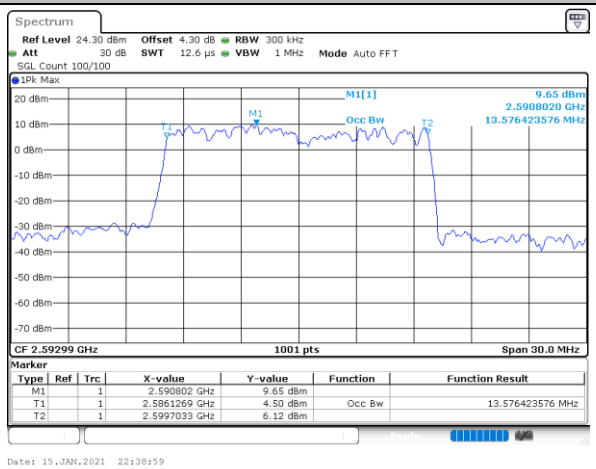
16QAM

Middle Channel



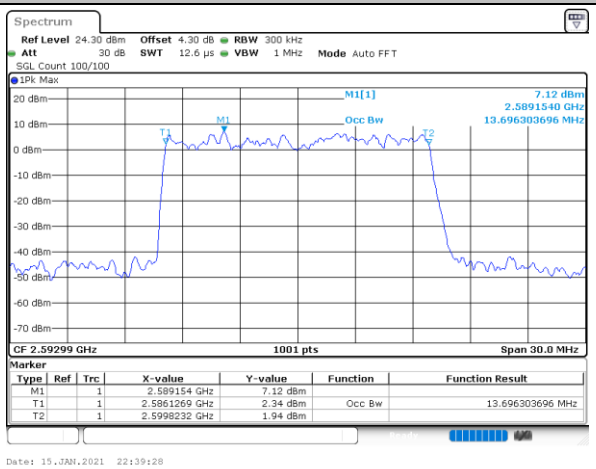
64QAM

Middle Channel



256QAM

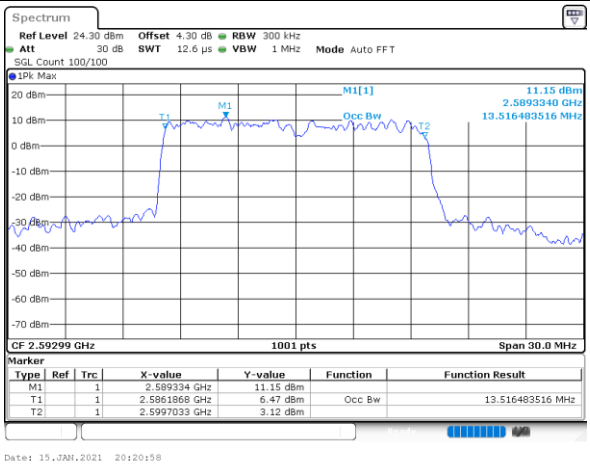
Middle Channel



FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

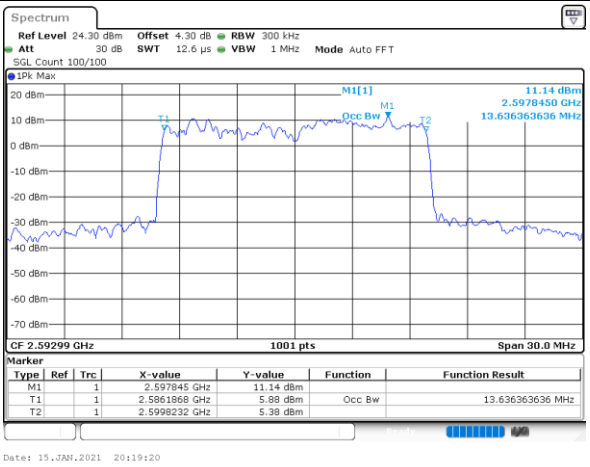
QPSK

Middle Channel



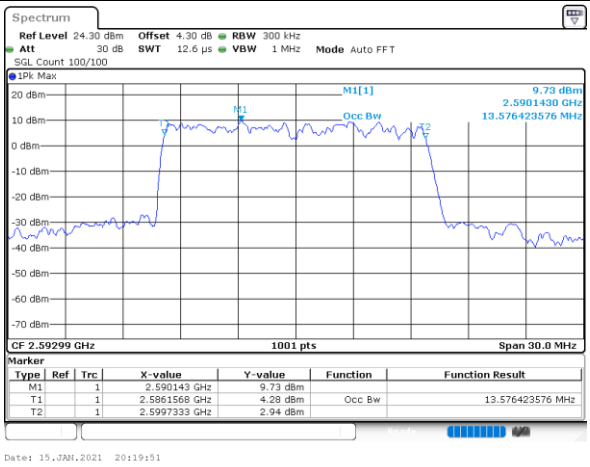
16QAM

Middle Channel



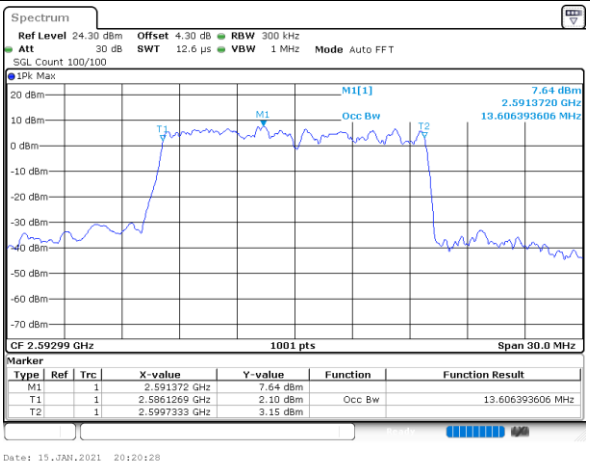
64QAM

Middle Channel



256QAM

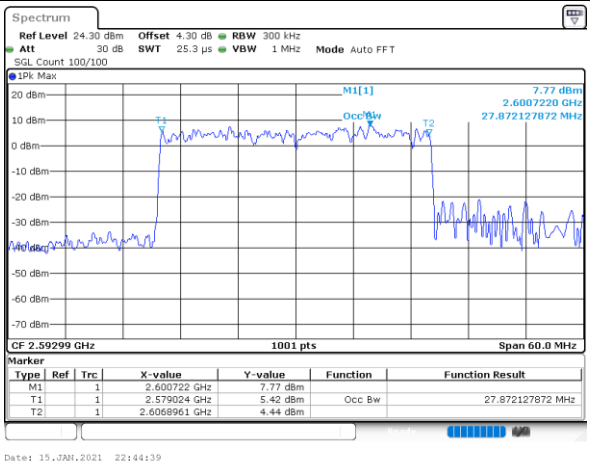
Middle Channel



FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M2)

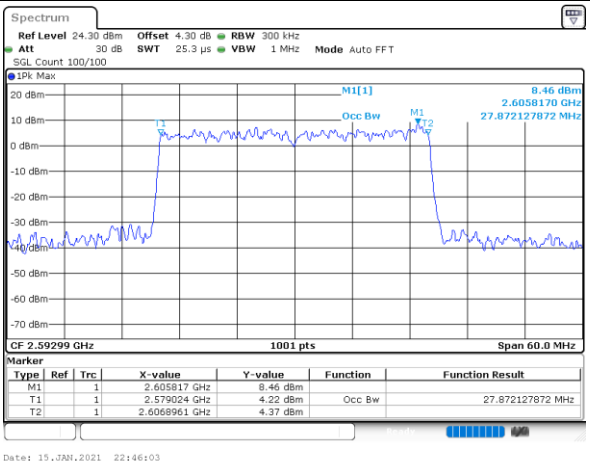
QPSK

Middle Channel



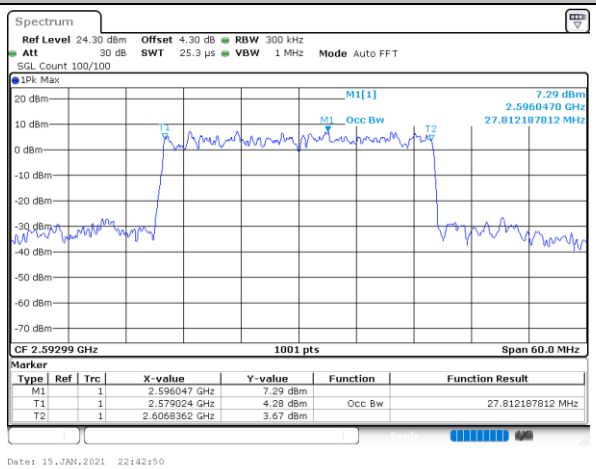
16QAM

Middle Channel



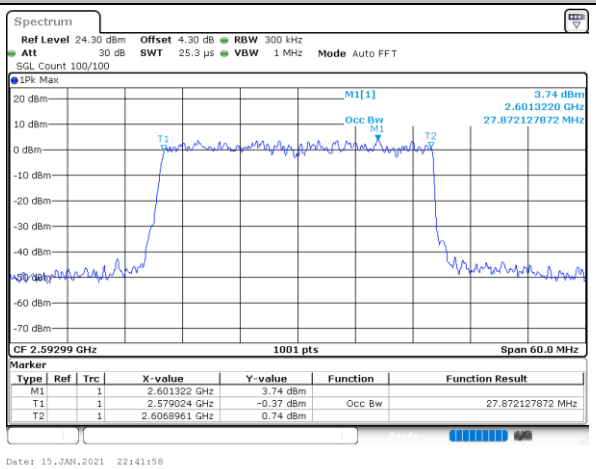
64QAM

Middle Channel



256QAM

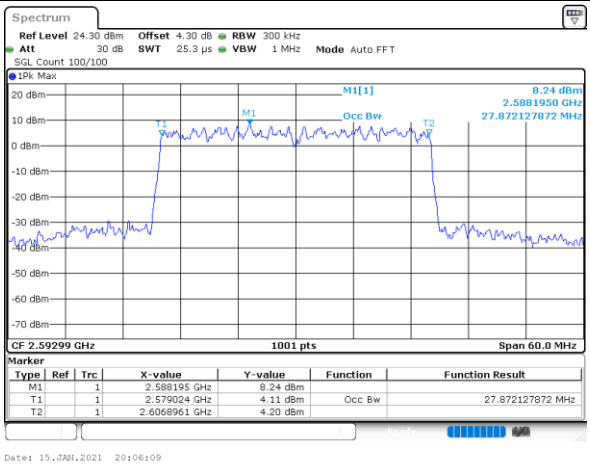
Middle Channel



FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M)

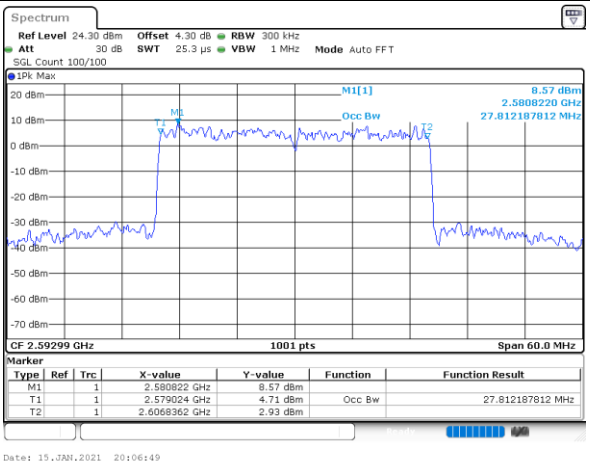
QPSK

Middle Channel



16QAM

Middle Channel



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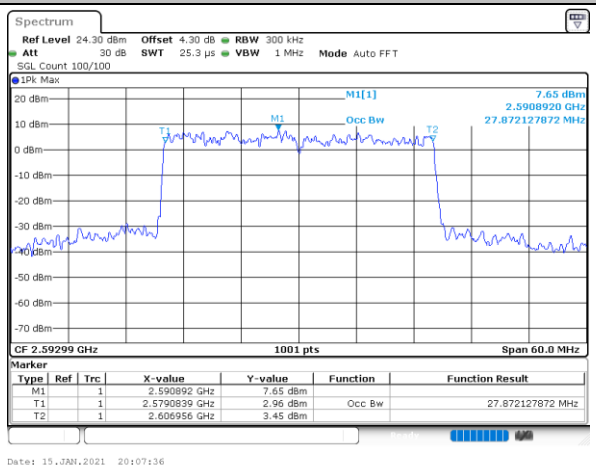
Middle Channel



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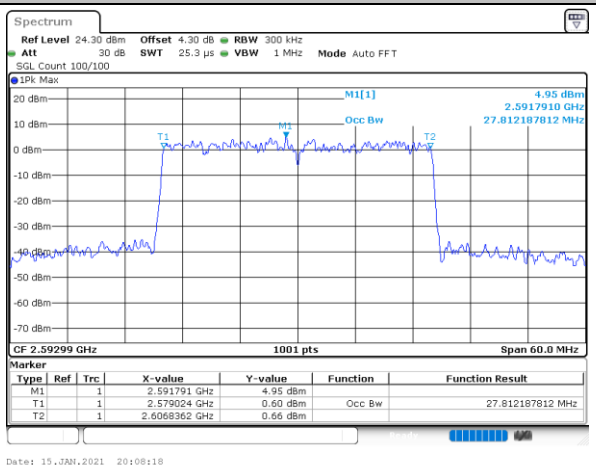
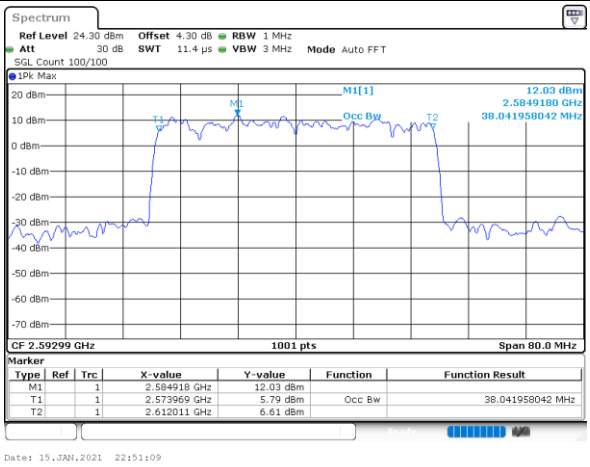
Middle Channel



FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M2)

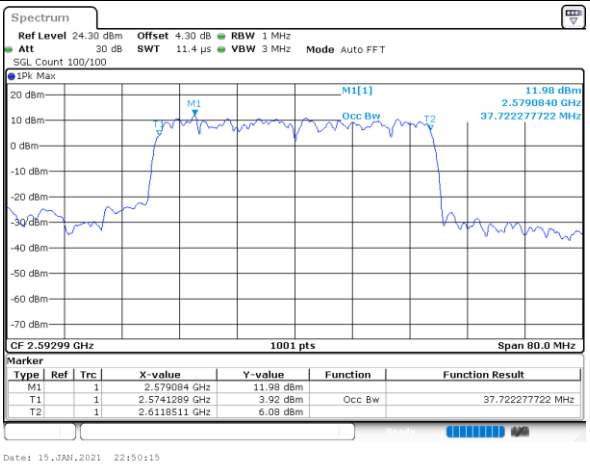
QPSK

Middle Channel



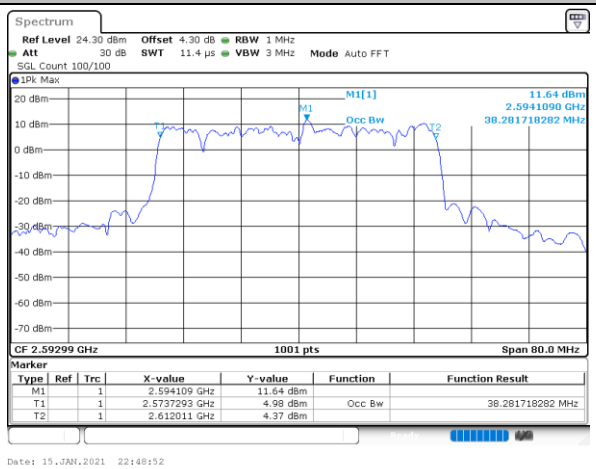
16QAM

Middle Channel



64QAM

Middle Channel



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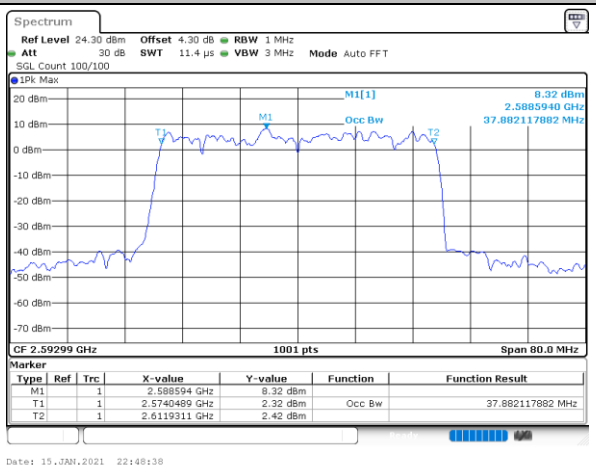
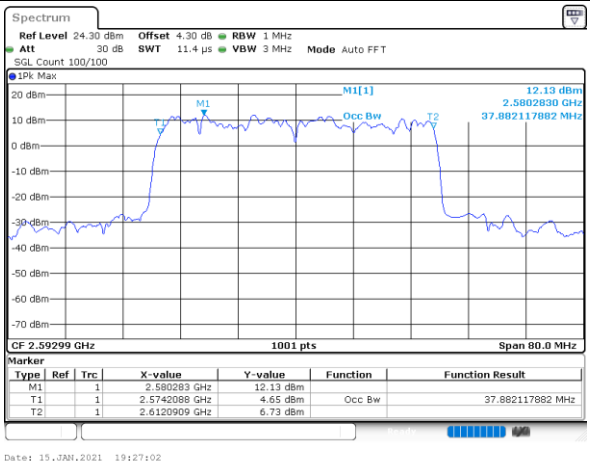
Middle Channel



FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M)

QPSK

Middle Channel



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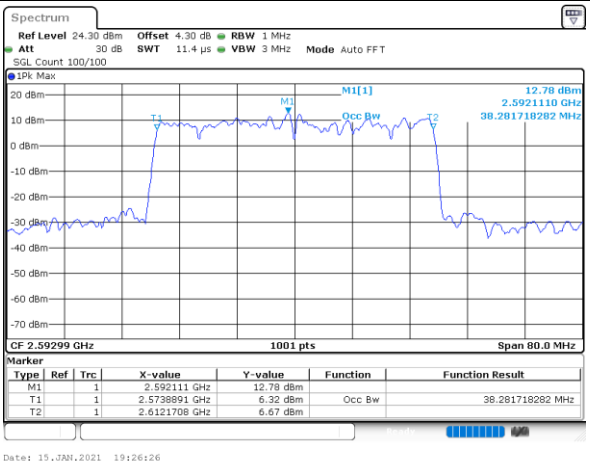
Middle Channel



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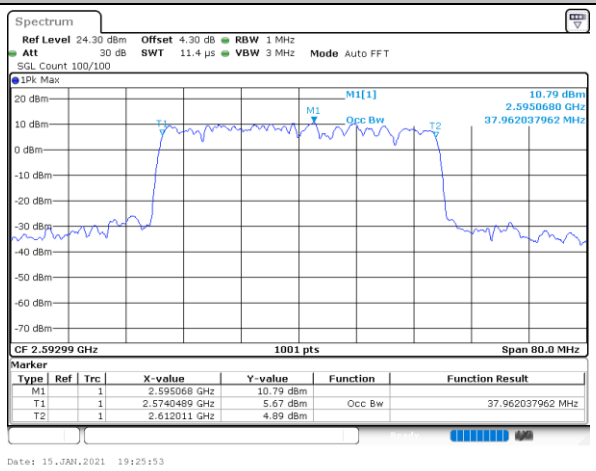
Middle Channel



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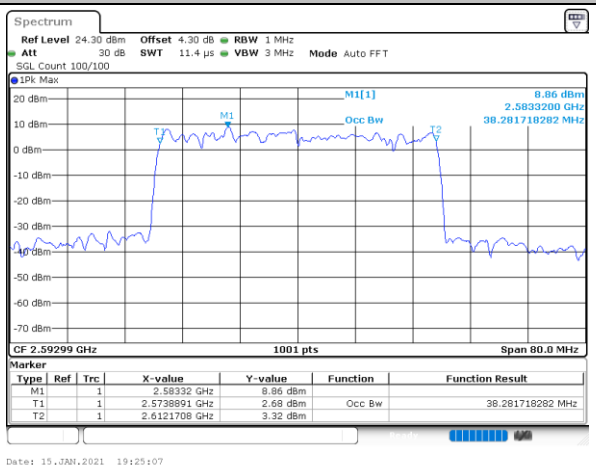
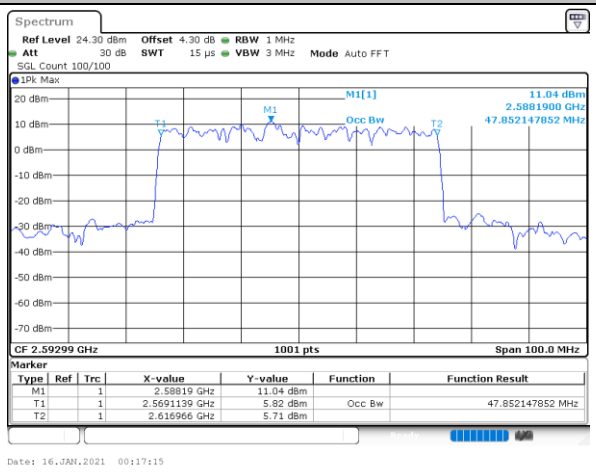
Middle Channel



FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M2)

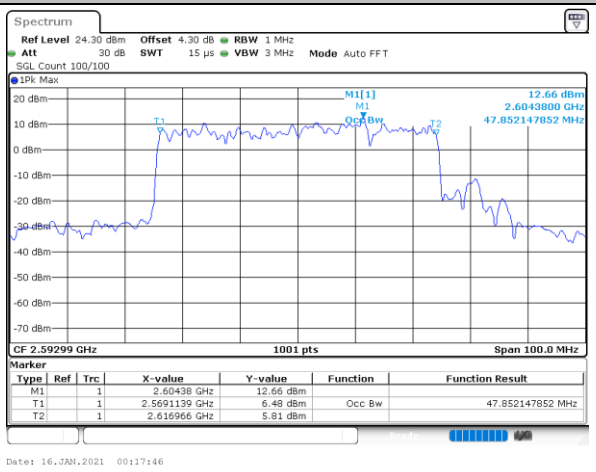
QPSK

Middle Channel



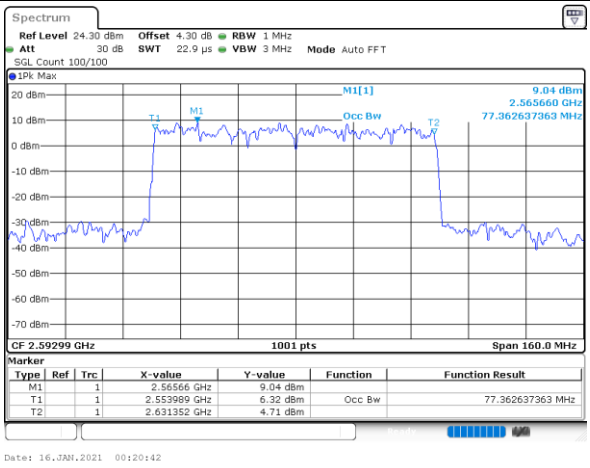
16QAM

Middle Channel



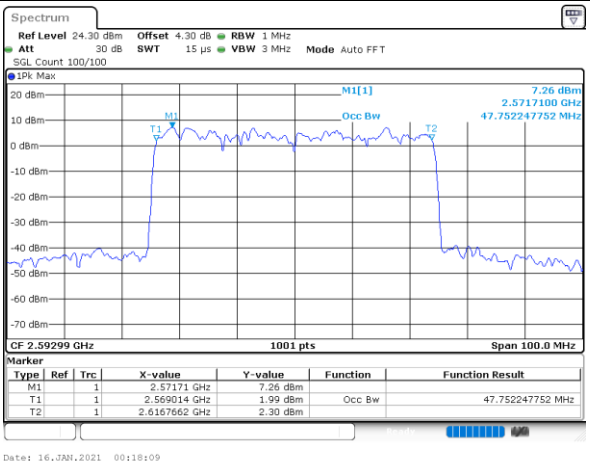
64QAM

Middle Channel



256QAM

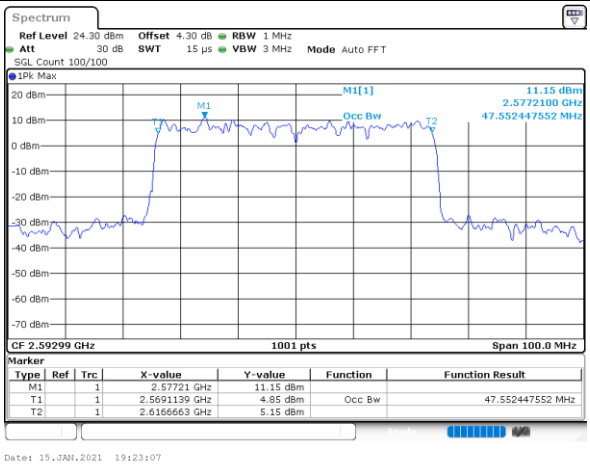
Middle Channel



FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M)

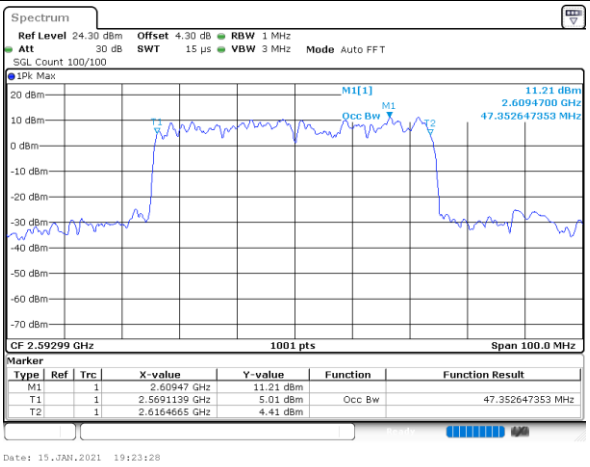
QPSK

Middle Channel



16QAM

Middle Channel



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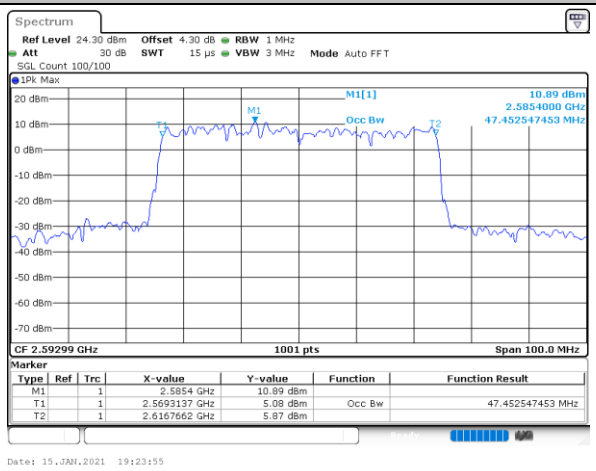
Middle Channel



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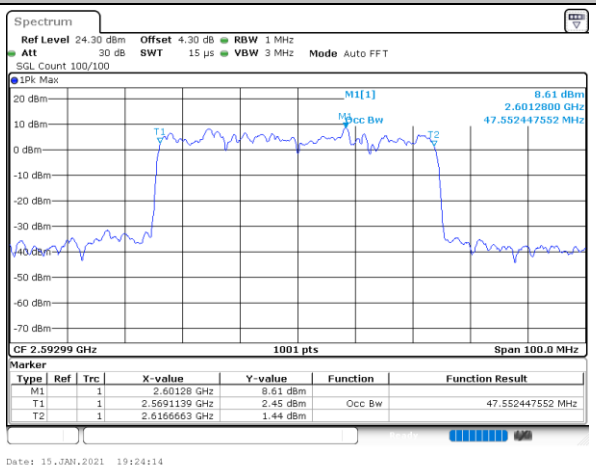
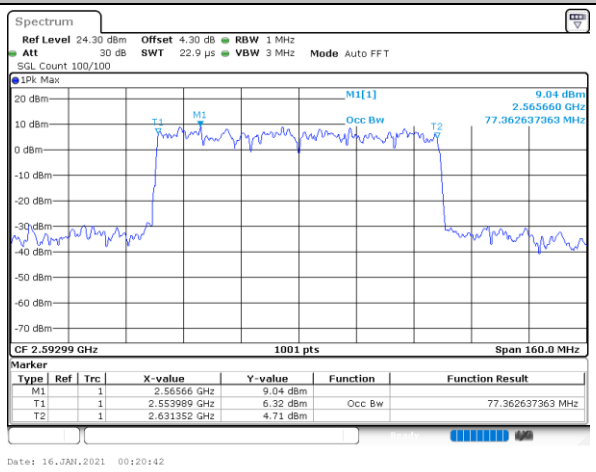


FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M2)

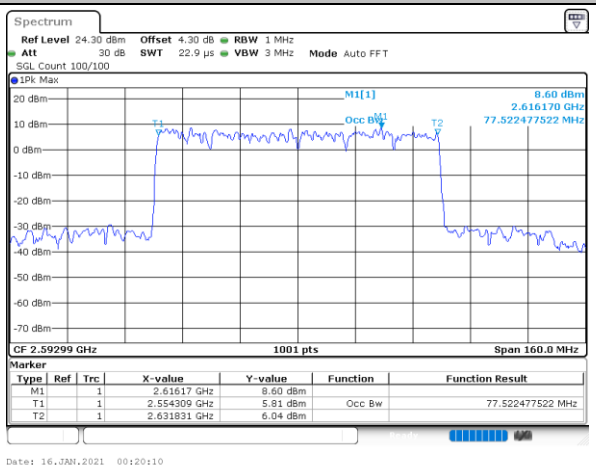
QPSK

Middle Channel



16QAM

Middle Channel



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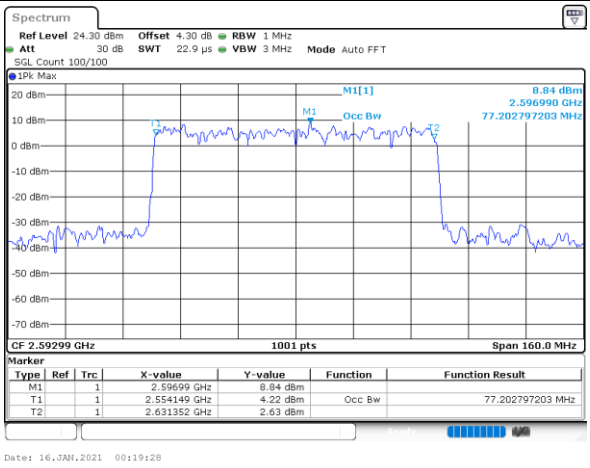
Middle Channel



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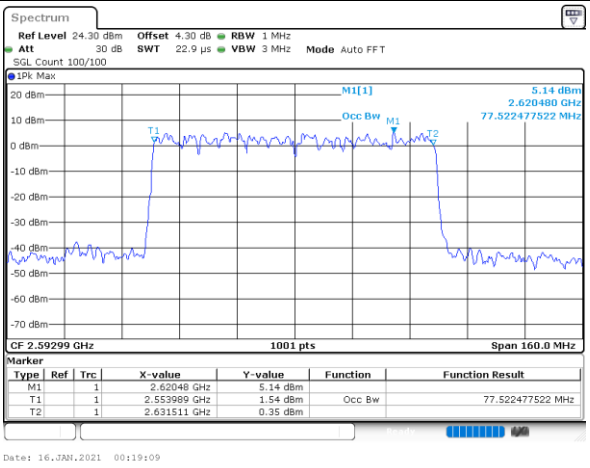
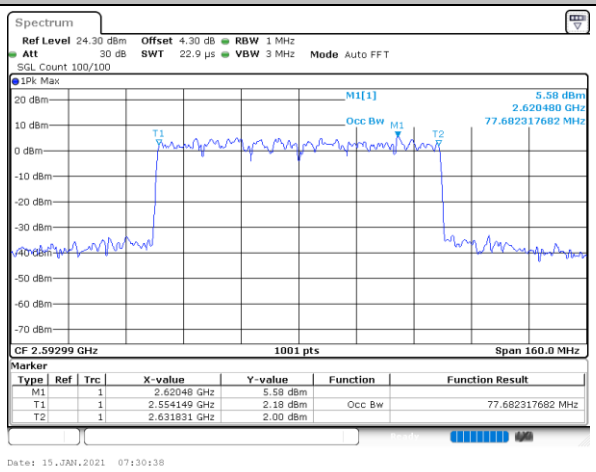
Middle Channel



FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M)

QPSK

Middle Channel



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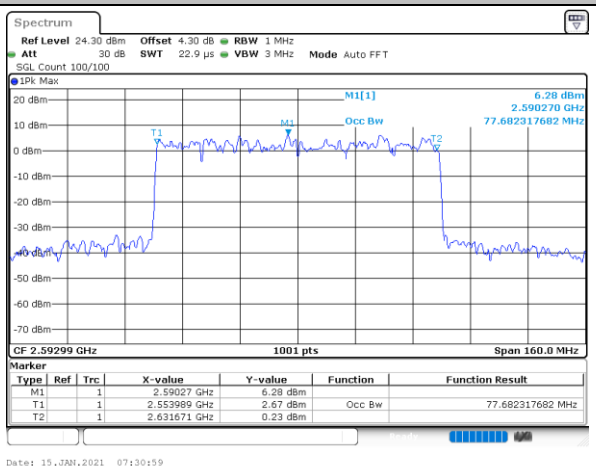
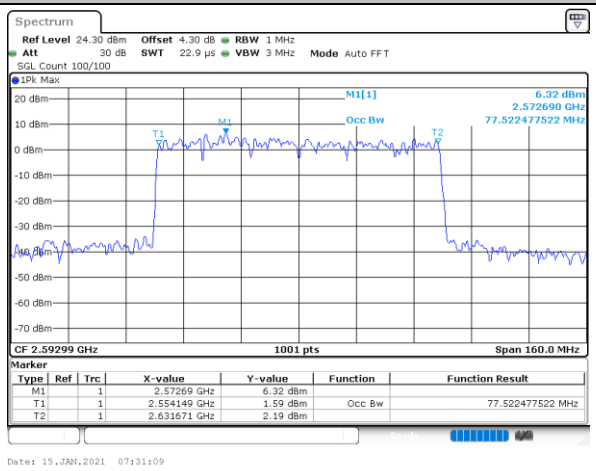
Middle Channel



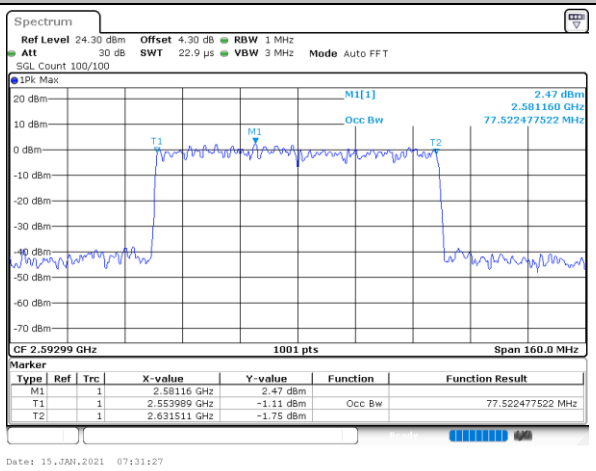
64QAM

Middle Channel

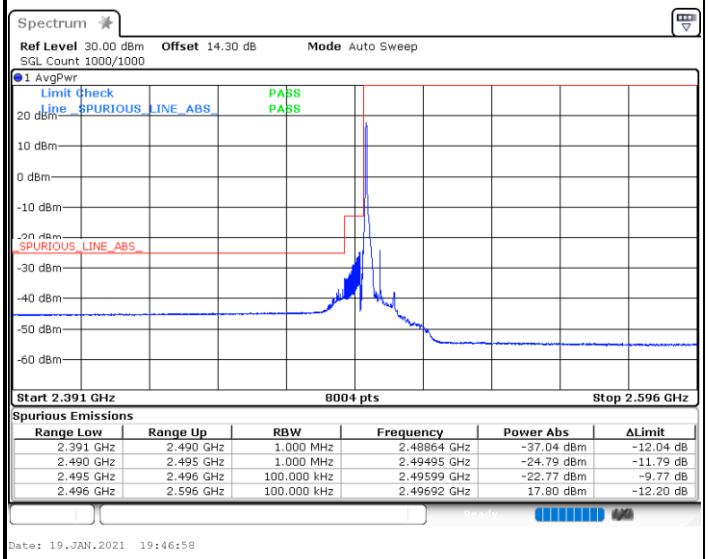
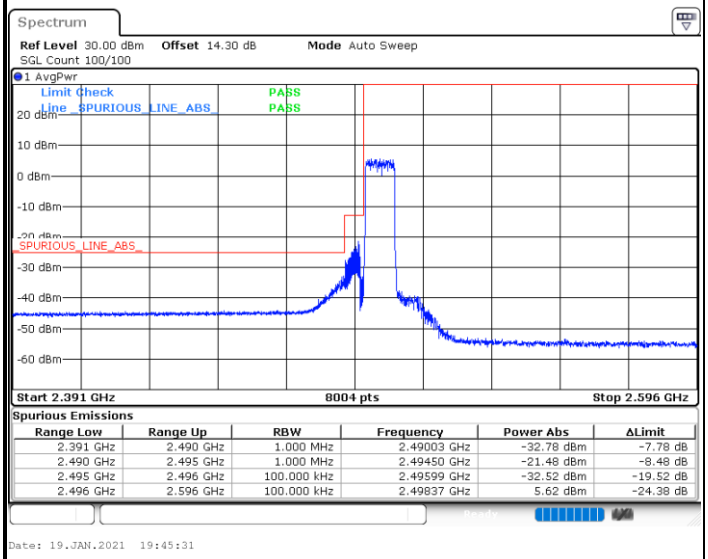


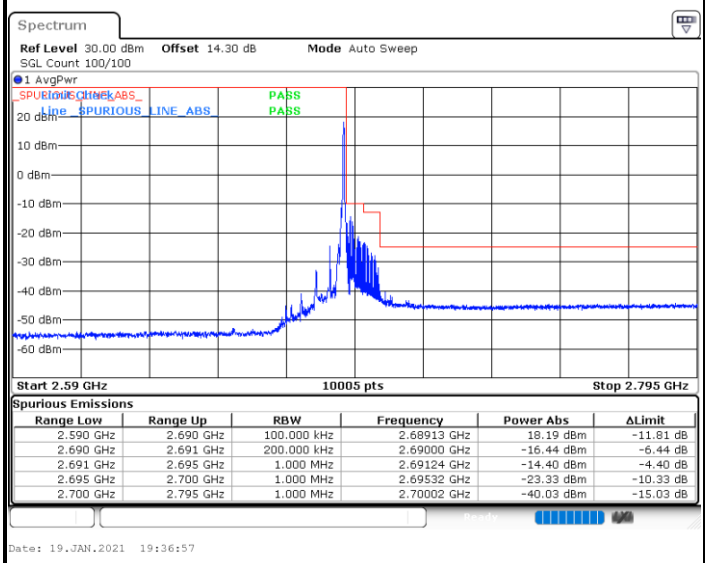
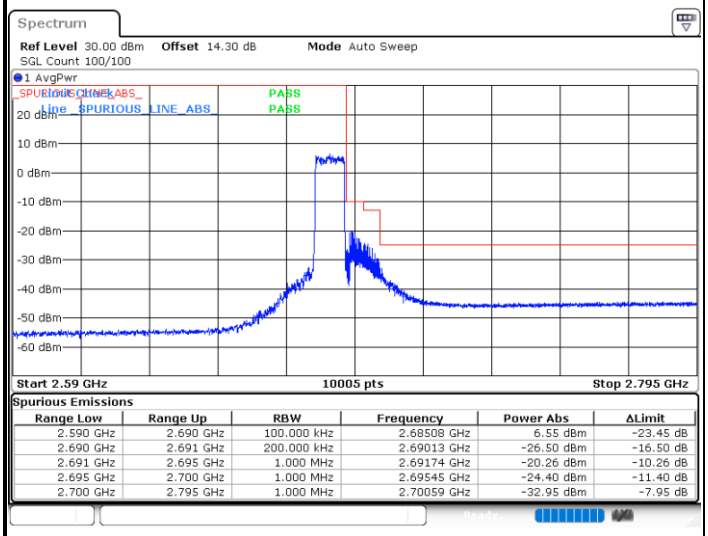
256QAM

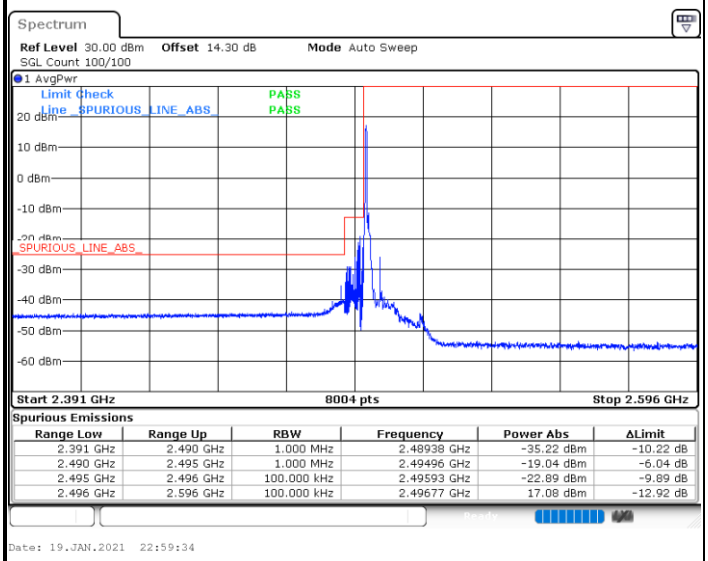
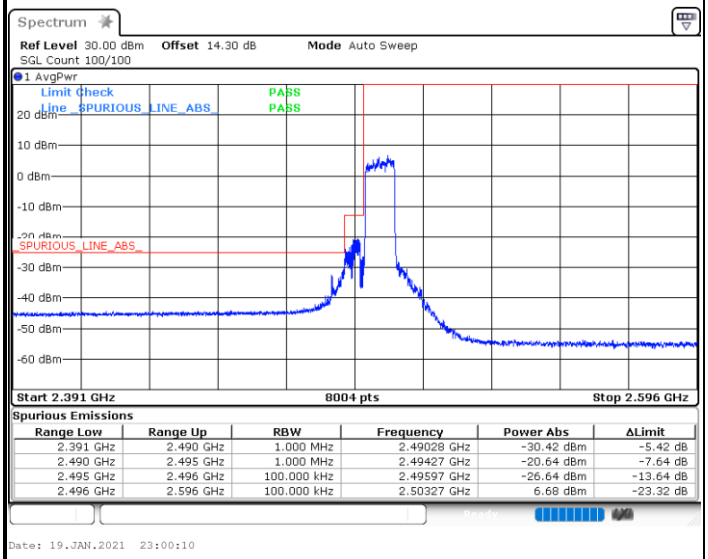
Middle Channel

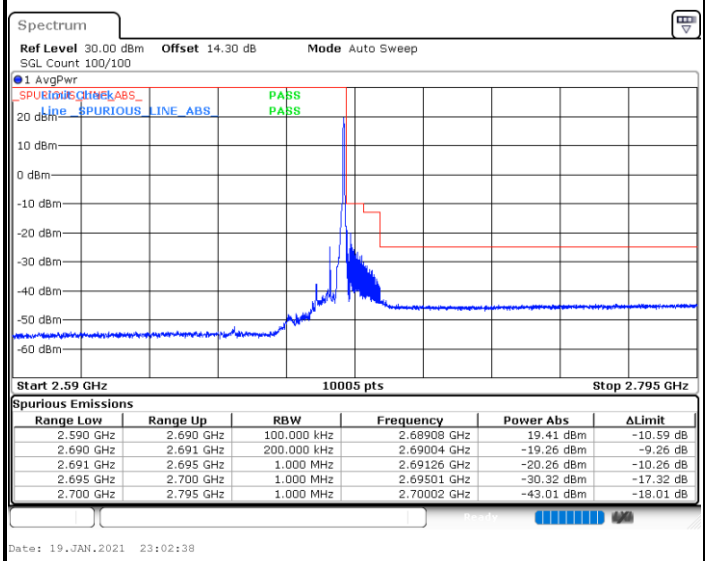
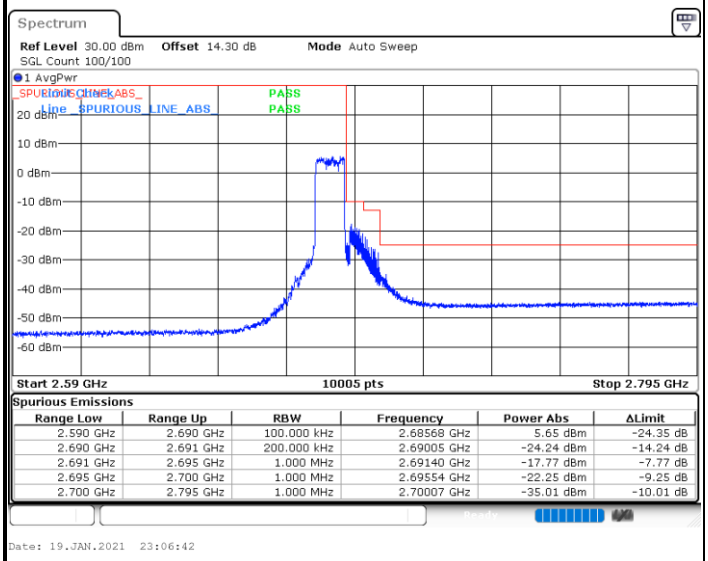


Conducted Band Edge

FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)	
Highest Band Edge / 1 RB	**Channel Power < -10dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68913 GHz / 18.19 dBm / -11.81 dB 2.690 GHz / 2.691 GHz / 200.000 kHz / 2.69000 GHz / -16.44 dBm / -6.44 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69124 GHz / -14.40 dBm / -4.40 dB 2.695 GHz / 2.700 GHz / 1.000 MHz / 2.69532 GHz / -23.33 dBm / -10.33 dB 2.700 GHz / 2.795 GHz / 1.000 MHz / 2.70002 GHz / -40.03 dBm / -15.03 dB Date: 19.JAN.2021 19:36:57	/
Highest Band Edge / Full RB	**Channel Power < -10dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68508 GHz / 6.55 dBm / -23.45 dB 2.690 GHz / 2.691 GHz / 200.000 kHz / 2.69013 GHz / -26.50 dBm / -16.50 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69174 GHz / -20.26 dBm / -10.26 dB 2.695 GHz / 2.700 GHz / 1.000 MHz / 2.69545 GHz / -24.40 dBm / -11.40 dB 2.700 GHz / 2.795 GHz / 1.000 MHz / 2.70059 GHz / -32.95 dBm / -7.95 dB Date: 19.JAN.2021 19:37:24	/

FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48938 GHz / -35.22 dBm / -10.22 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49496 GHz / -19.04 dBm / -6.04 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49593 GHz / -22.89 dBm / -9.89 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49677 GHz / 17.08 dBm / -12.92 dB Date: 19.JAN.2021 22:59:34	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49028 GHz / -30.42 dBm / -5.42 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49427 GHz / -20.64 dBm / -7.64 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49597 GHz / -26.64 dBm / -13.64 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50327 GHz / 6.68 dBm / -23.32 dB Date: 19.JAN.2021 23:00:10	/

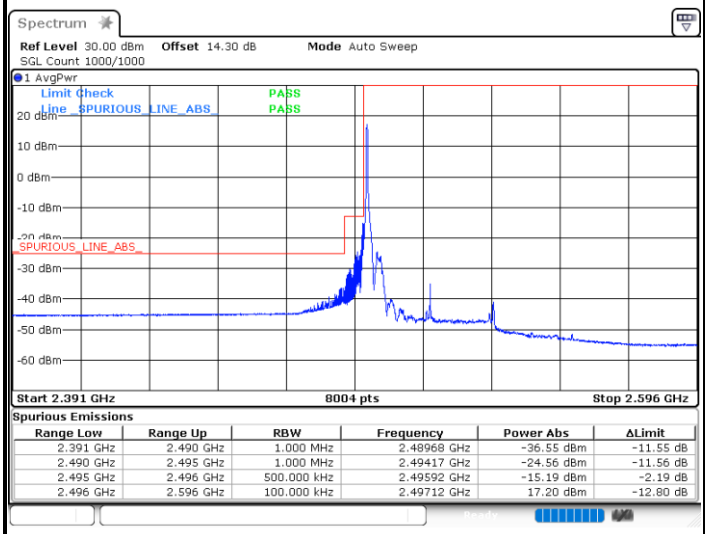
FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68908 GHz	19.41 dBm	-10.59 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69004 GHz	-19.26 dBm	-9.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69126 GHz	-20.26 dBm	-10.26 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69501 GHz	-30.32 dBm	-17.32 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70002 GHz	-43.01 dBm	-18.01 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68568 GHz	5.65 dBm	-24.35 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-24.24 dBm	-14.24 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69140 GHz	-17.77 dBm	-7.77 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69554 GHz	-22.25 dBm	-9.25 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70007 GHz	-35.01 dBm	-10.01 dB

FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

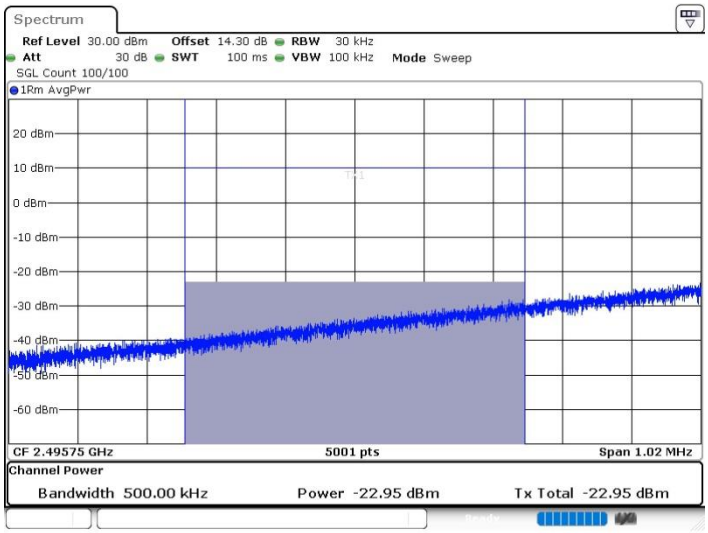


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48968 GHz	-36.55 dBm	-11.55 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49417 GHz	-24.56 dBm	-11.56 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49592 GHz	-15.19 dBm	-2.19 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.49712 GHz	17.20 dBm	-12.80 dB

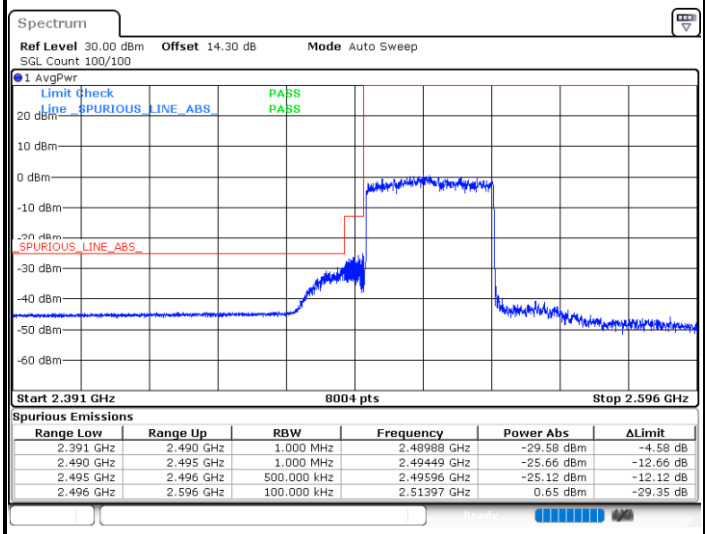
Date: 19.JAN.2021 19:28:28

Channel Power < -13dBm Pass



Date: 19.JAN.2021 23:22:39

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48988 GHz	-29.58 dBm	-4.58 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49449 GHz	-25.66 dBm	-12.66 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49596 GHz	-25.12 dBm	-12.12 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51397 GHz	0.65 dBm	-29.35 dB

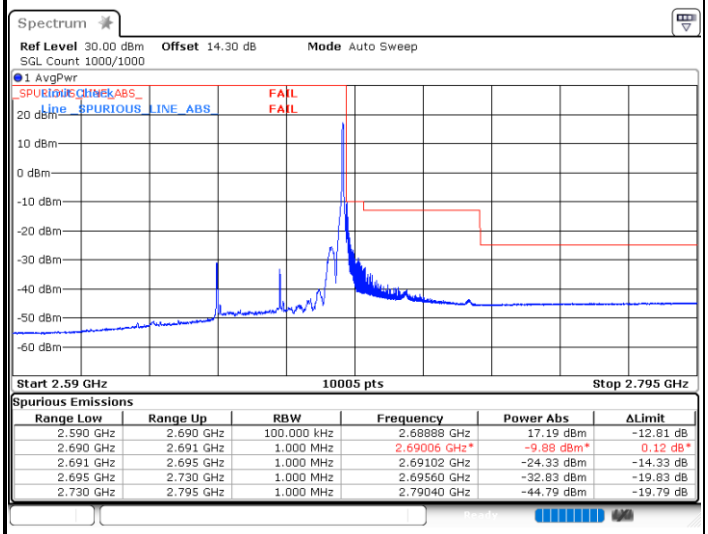
Date: 19.JAN.2021 19:24:51

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

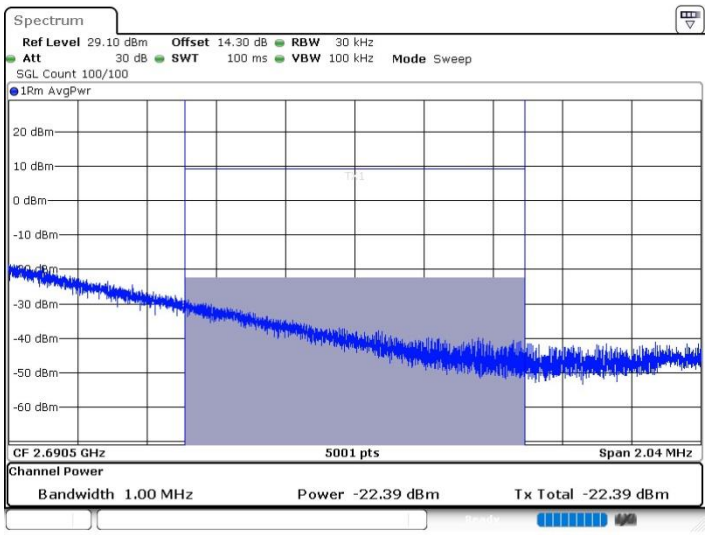


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68888 GHz	17.19 dBm	-12.81 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69006 GHz*	-9.88 dBm*	0.12 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-24.33 dBm	-14.33 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69560 GHz	-32.83 dBm	-19.83 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.79040 GHz	-44.79 dBm	-19.79 dB

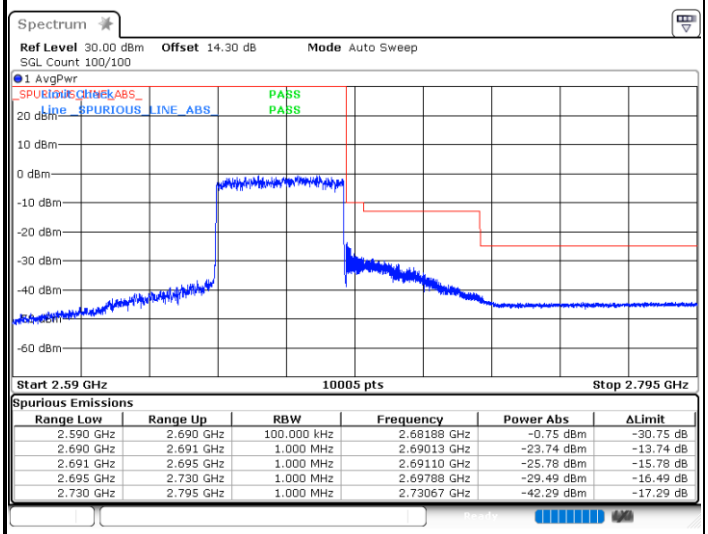
Date: 26.FEB.2021 14:04:31

Channel Power < -10dBm Pass



Date: 26.FEB.2021 14:03:38

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68188 GHz	-0.75 dBm	-30.75 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69013 GHz	-23.74 dBm	-13.74 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-25.78 dBm	-15.78 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69788 GHz	-29.49 dBm	-16.49 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.73067 GHz	-42.29 dBm	-17.29 dB

Date: 26.FEB.2021 14:00:36

Channel Power < -10dBm Pass

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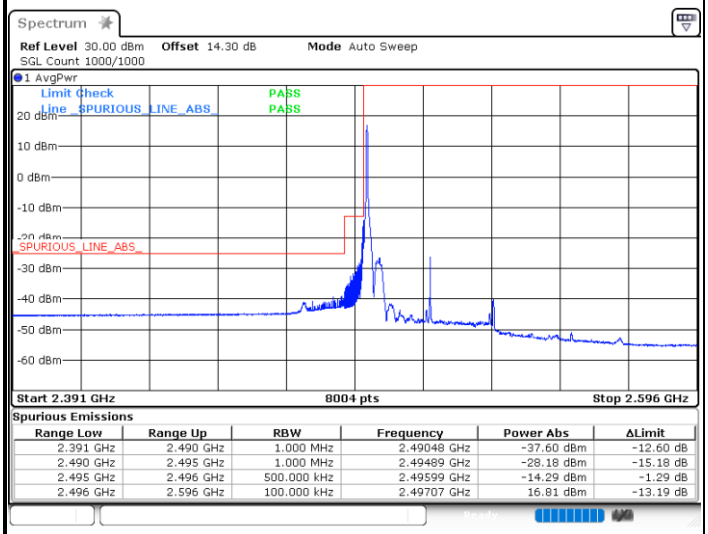
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

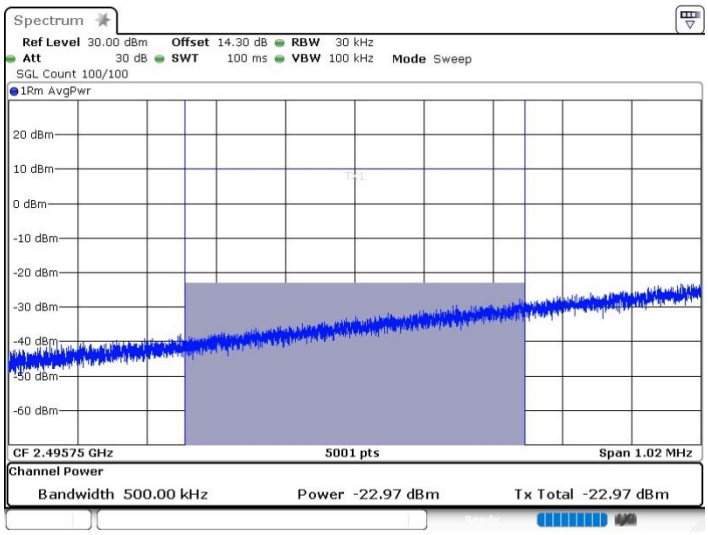


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-37.60 dBm	-12.60 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49489 GHz	-28.18 dBm	-15.18 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49599 GHz	-14.29 dBm	-1.29 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.49707 GHz	16.81 dBm	-13.19 dB

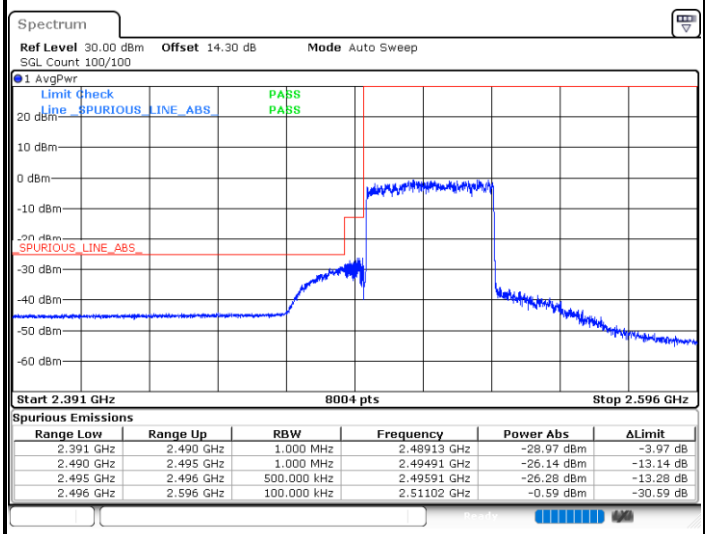
Date: 19.JAN.2021 23:16:50

Channel Power < -13dBm Pass



Date: 19.JAN.2021 23:22:17

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48913 GHz	-28.97 dBm	-3.97 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-26.14 dBm	-13.14 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49591 GHz	-26.28 dBm	-13.28 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51102 GHz	-0.59 dBm	-30.59 dB

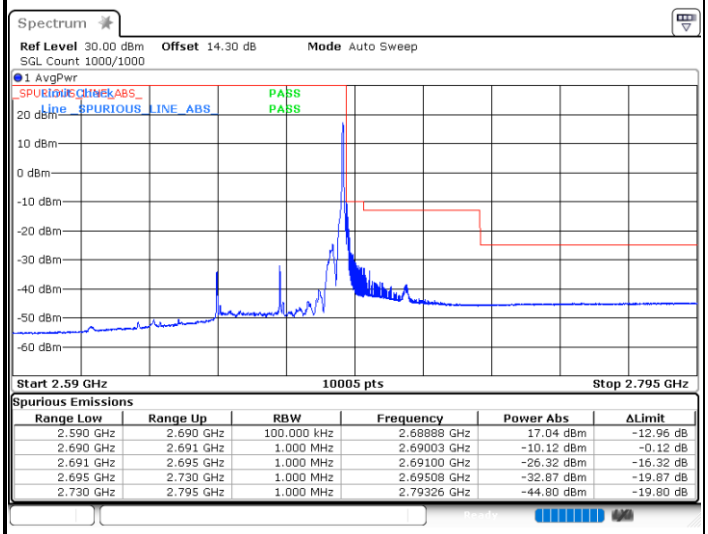
Date: 19.JAN.2021 23:14:27

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

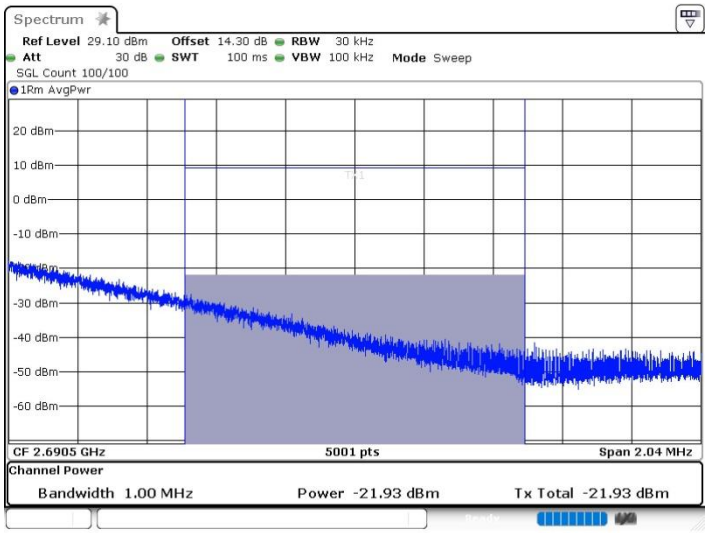


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68888 GHz	17.04 dBm	-12.96 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69003 GHz	-10.12 dBm	-0.12 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-26.32 dBm	-16.32 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69508 GHz	-32.87 dBm	-19.87 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.79326 GHz	-44.80 dBm	-19.80 dB

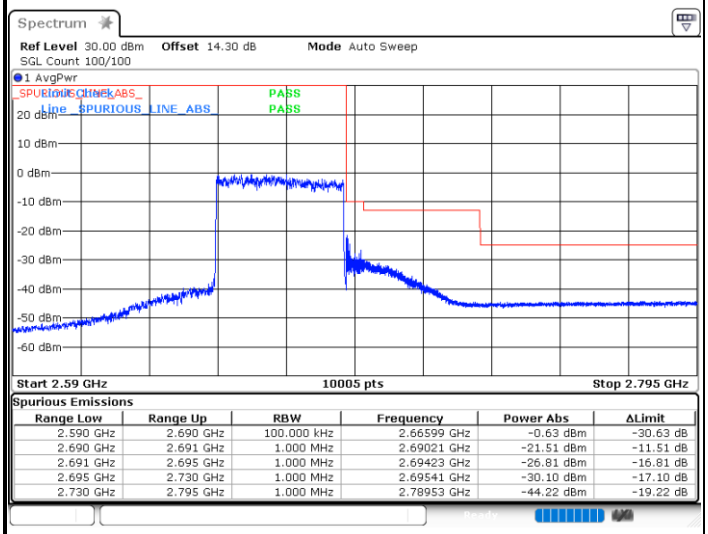
Date: 26.FEB.2021 13:52:55

Channel Power < -10dBm Pass



Date: 26.FEB.2021 13:54:01

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.66599 GHz	-0.63 dBm	-30.63 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69021 GHz	-21.51 dBm	-11.51 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69423 GHz	-26.81 dBm	-16.81 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69541 GHz	-30.10 dBm	-17.10 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.78953 GHz	-44.22 dBm	-19.22 dB

Date: 26.FEB.2021 13:57:34

Channel Power < -10dBm Pass

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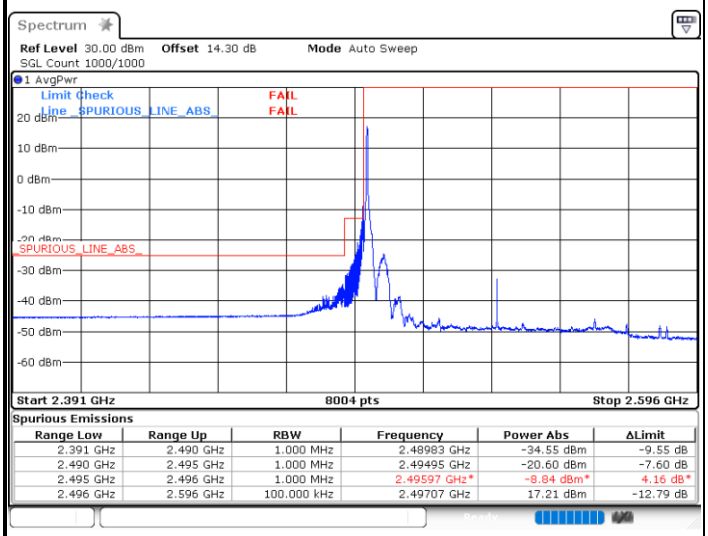
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

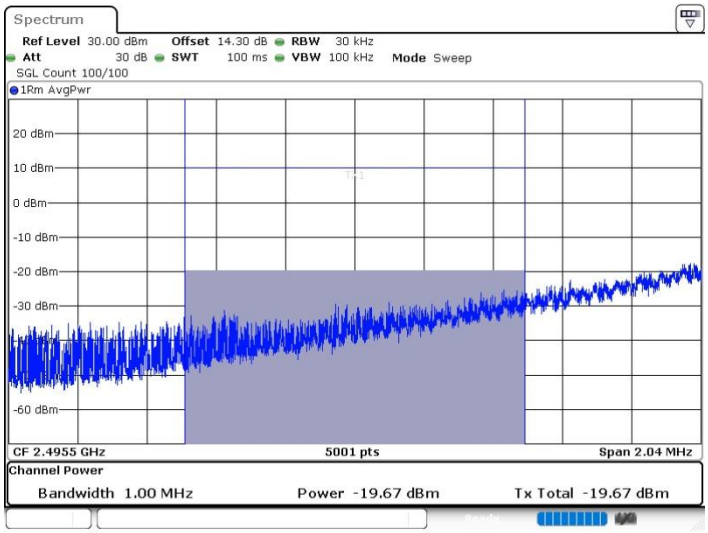


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48983 GHz	-34.55 dBm	-9.55 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-20.60 dBm	-7.60 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49597 GHz*	-8.84 dBm*	4.16 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49707 GHz	17.21 dBm	-12.79 dB

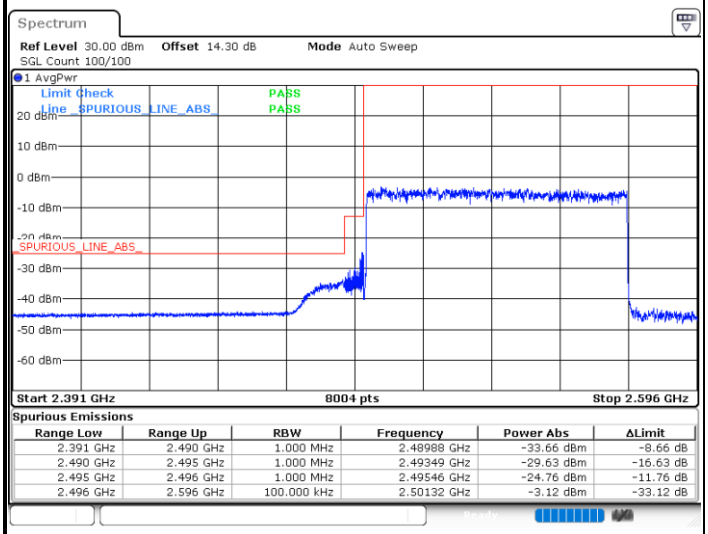
Date: 19.JAN.2021 18:48:44

Channel Power < -13dBm Pass



Date: 19.JAN.2021 18:52:15

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48988 GHz	-33.66 dBm	-8.66 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49349 GHz	-29.63 dBm	-16.63 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49546 GHz	-24.76 dBm	-11.76 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.50132 GHz	-3.12 dBm	-33.12 dB

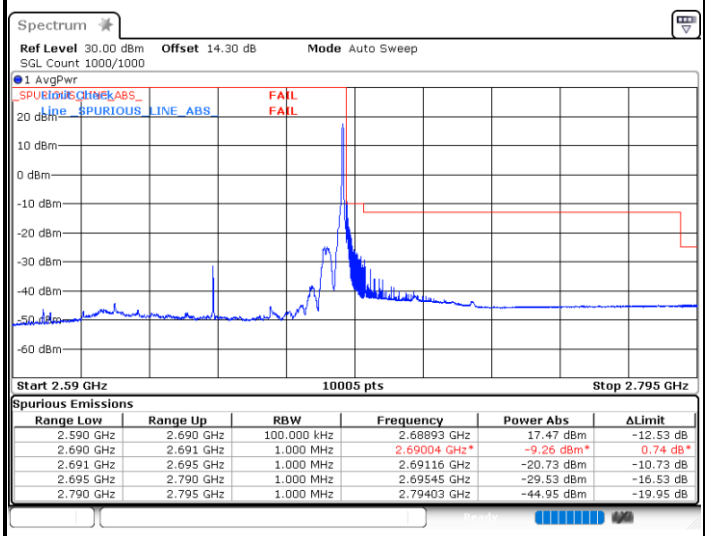
Date: 19.JAN.2021 18:52:32

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

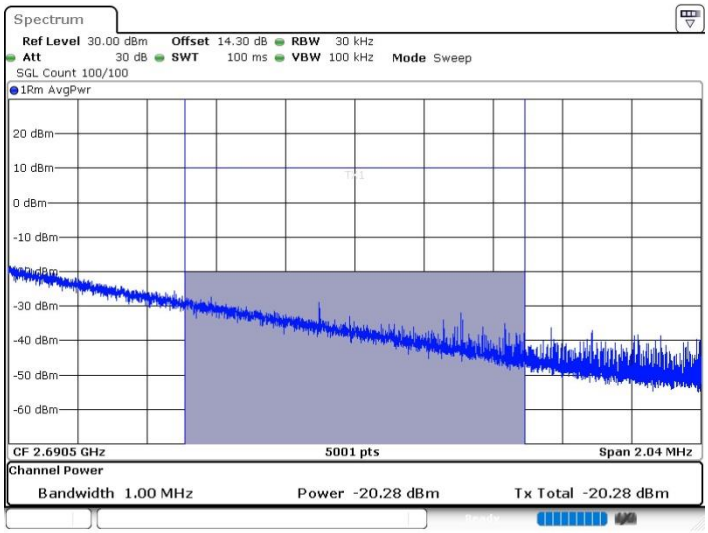


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	17.47 dBm	-12.53 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69004 GHz*	-9.26 dBm*	0.74 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69116 GHz	-20.73 dBm	-10.73 dB
2.695 GHz	2.790 GHz	1.000 MHz	2.69545 GHz	-29.53 dBm	-16.53 dB
2.790 GHz	2.795 GHz	1.000 MHz	2.79403 GHz	-44.95 dBm	-19.95 dB

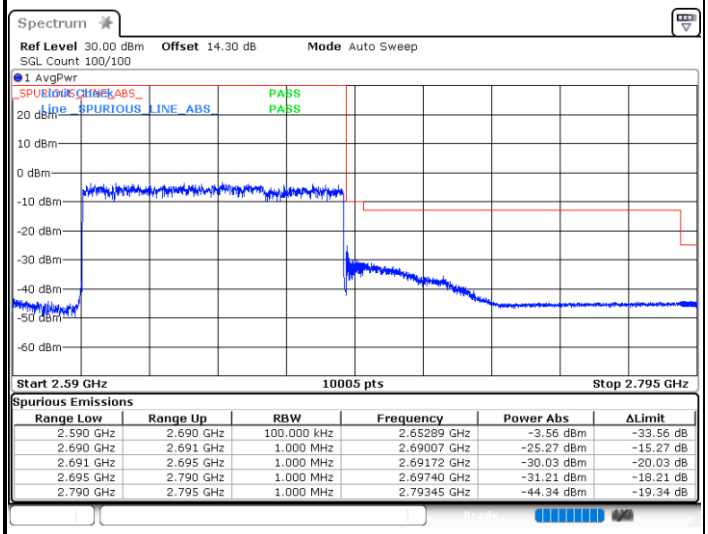
Date: 19.JAN.2021 19:16:50

Channel Power < -10dBm Pass



Date: 19.JAN.2021 19:12:36

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.65289 GHz	-3.56 dBm	-33.56 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69007 GHz	-25.27 dBm	-15.27 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69172 GHz	-30.03 dBm	-20.03 dB
2.695 GHz	2.790 GHz	1.000 MHz	2.69740 GHz	-31.21 dBm	-18.21 dB
2.790 GHz	2.795 GHz	1.000 MHz	2.79345 GHz	-44.34 dBm	-19.34 dB

Date: 19.JAN.2021 19:19:03

Channel Power < -10dBm Pass

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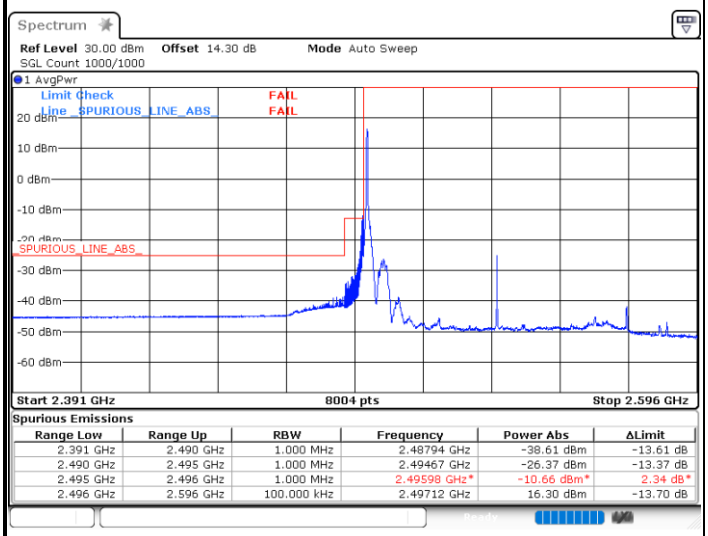
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

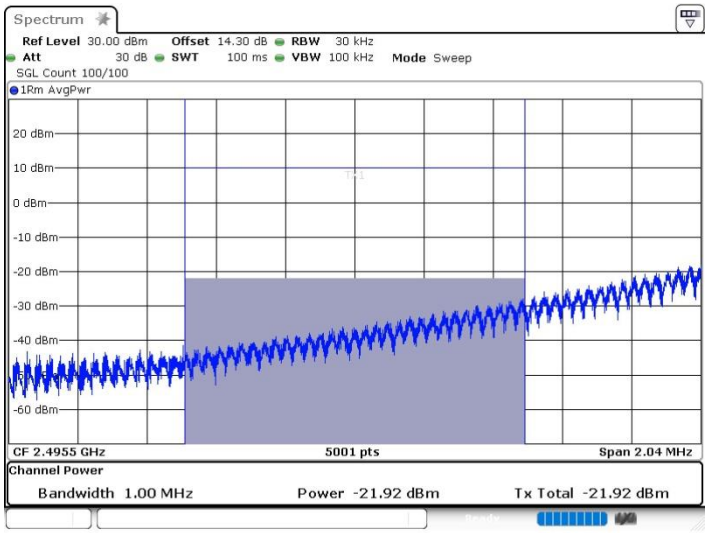


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48794 GHz	-38.61 dBm	-13.61 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49467 GHz	-26.37 dBm	-13.37 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49598 GHz*	-10.66 dBm*	2.34 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49712 GHz	16.30 dBm	-13.70 dB

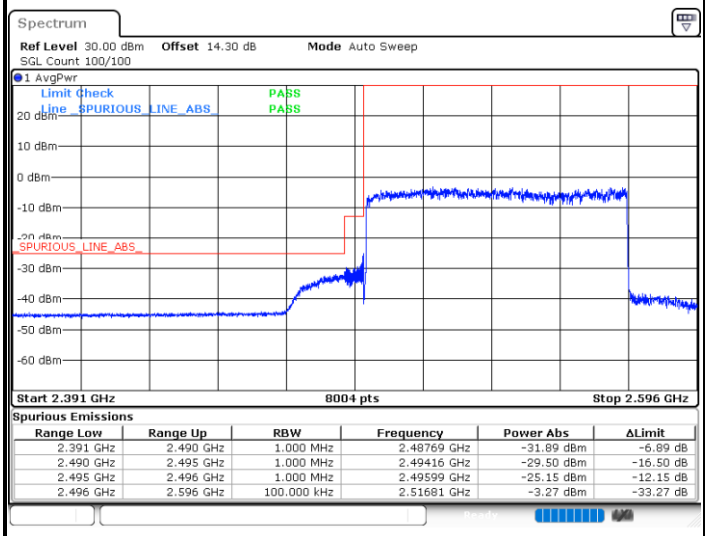
Date: 19.JAN.2021 23:34:03

Channel Power < -13dBm Pass



Date: 19.JAN.2021 23:34:32

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48769 GHz	-31.89 dBm	-6.89 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49416 GHz	-29.50 dBm	-16.50 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-25.15 dBm	-12.15 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51681 GHz	-3.27 dBm	-33.27 dB

Date: 19.JAN.2021 23:32:06

Channel Power < -13dBm Pass

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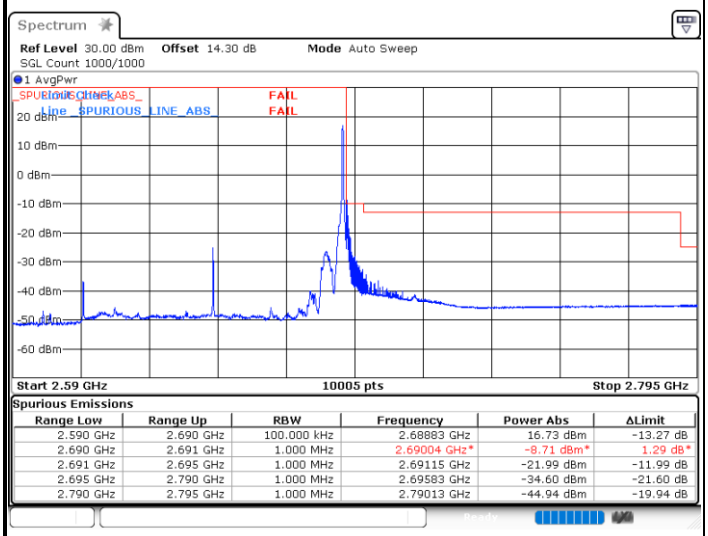
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

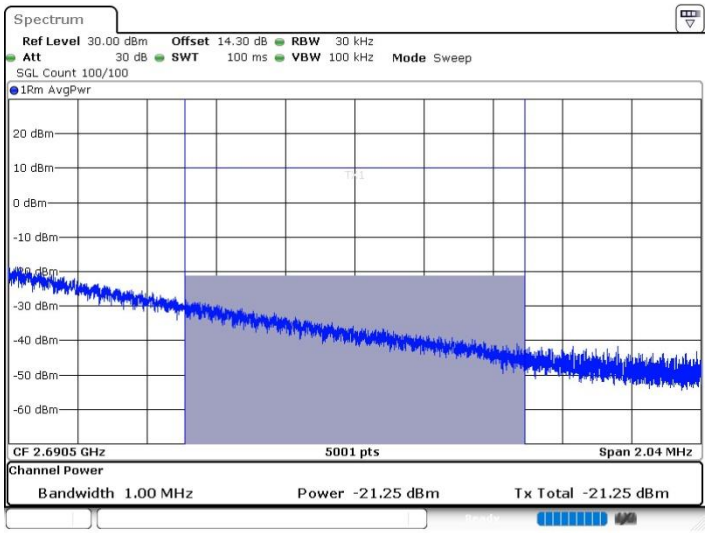


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68883 GHz	16.73 dBm	-13.27 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69004 GHz*	-8.71 dBm*	1.29 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-21.99 dBm	-11.99 dB
2.695 GHz	2.790 GHz	1.000 MHz	2.69583 GHz	-34.60 dBm	-21.60 dB
2.790 GHz	2.795 GHz	1.000 MHz	2.79013 GHz	-44.94 dBm	-19.94 dB

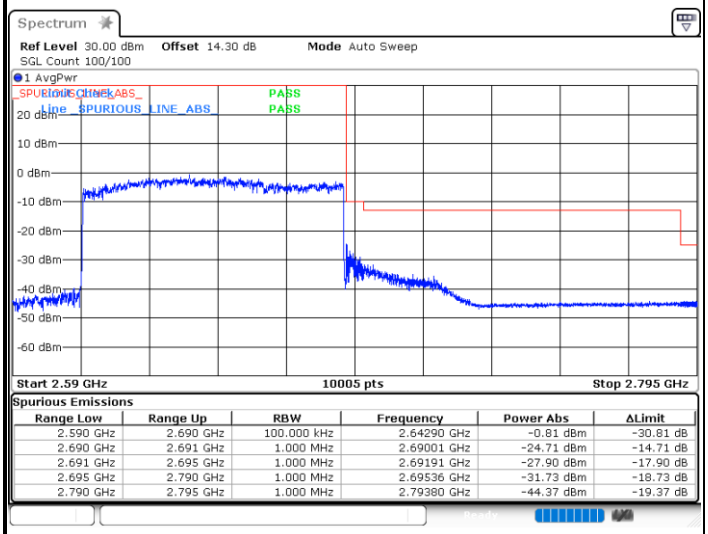
Date: 19.JAN.2021 23:28:59

Channel Power < -10dBm Pass



Date: 19.JAN.2021 23:29:32

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.64290 GHz	-0.81 dBm	-30.81 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69001 GHz	-24.71 dBm	-14.71 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69191 GHz	-27.90 dBm	-17.90 dB
2.695 GHz	2.790 GHz	1.000 MHz	2.69536 GHz	-31.73 dBm	-18.73 dB
2.790 GHz	2.795 GHz	1.000 MHz	2.79380 GHz	-44.37 dBm	-19.37 dB

Date: 19.JAN.2021 23:31:14

Channel Power < -10dBm Pass

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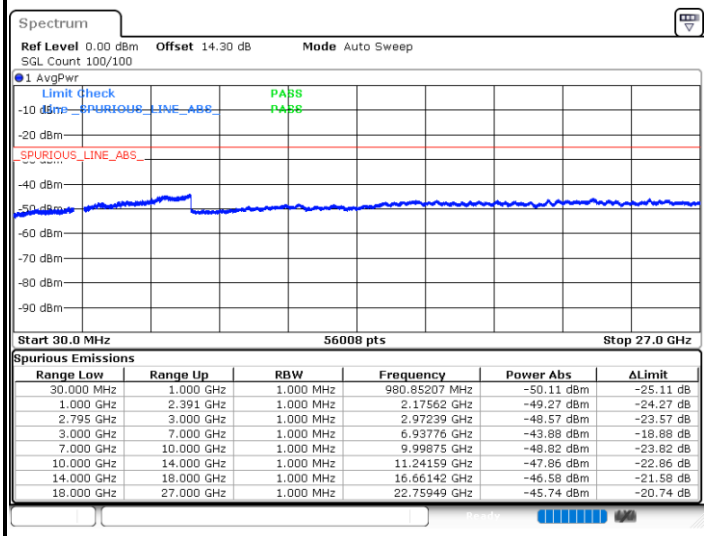
Conducted Spurious Emission

FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

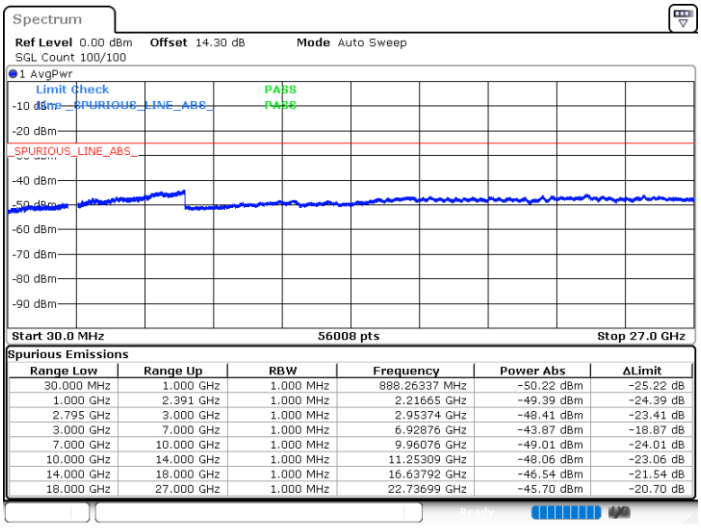


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-50.11 dBm	-25.11 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17562 GHz	-49.27 dBm	-24.27 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97239 GHz	-48.57 dBm	-23.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93776 GHz	-43.88 dBm	-18.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99875 GHz	-48.82 dBm	-23.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24159 GHz	-47.86 dBm	-22.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.66142 GHz	-46.58 dBm	-21.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.75949 GHz	-45.74 dBm	-20.74 dB

Date: 19.JAN.2021 19:51:54

Middle Channel / 1RB

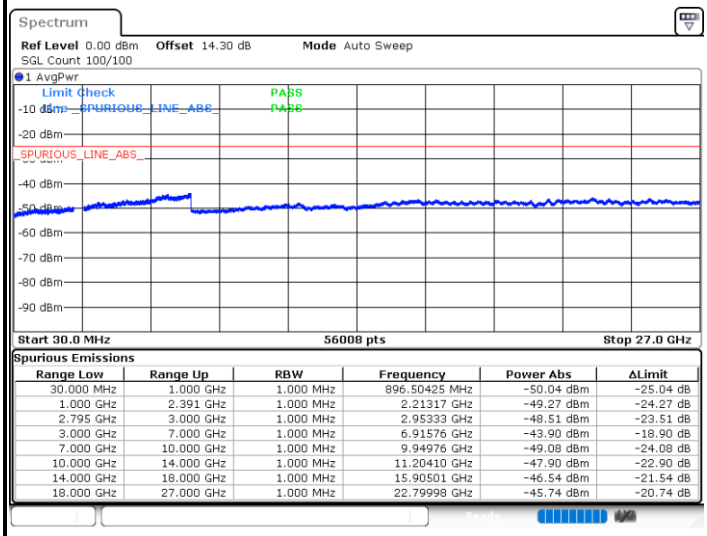


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-50.22 dBm	-25.22 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.21665 GHz	-49.39 dBm	-24.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95374 GHz	-48.41 dBm	-23.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92876 GHz	-43.87 dBm	-18.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96076 GHz	-49.01 dBm	-24.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25309 GHz	-48.06 dBm	-23.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63792 GHz	-46.54 dBm	-21.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.73699 GHz	-45.70 dBm	-20.70 dB

Date: 19.JAN.2021 19:53:26

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-50.04 dBm	-25.04 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.21317 GHz	-49.27 dBm	-24.27 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95333 GHz	-48.51 dBm	-23.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-43.90 dBm	-18.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94976 GHz	-49.08 dBm	-24.08 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.20410 GHz	-47.90 dBm	-22.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.90501 GHz	-46.54 dBm	-21.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79998 GHz	-45.74 dBm	-20.74 dB

Date: 19.JAN.2021 20:06:02

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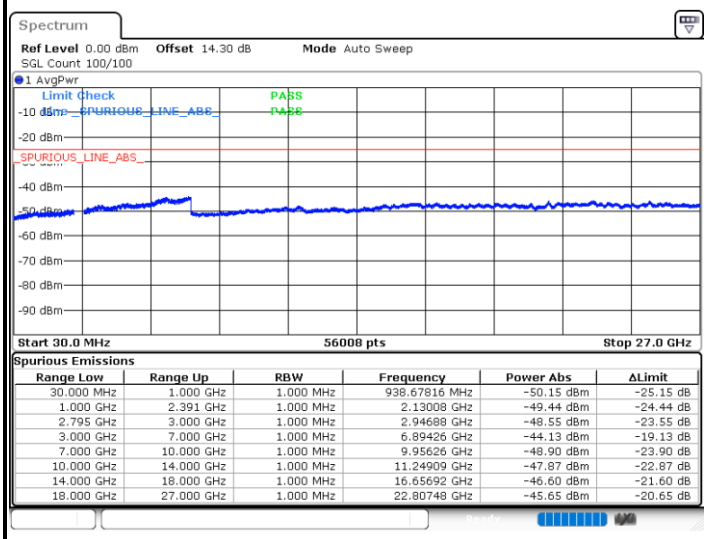
FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

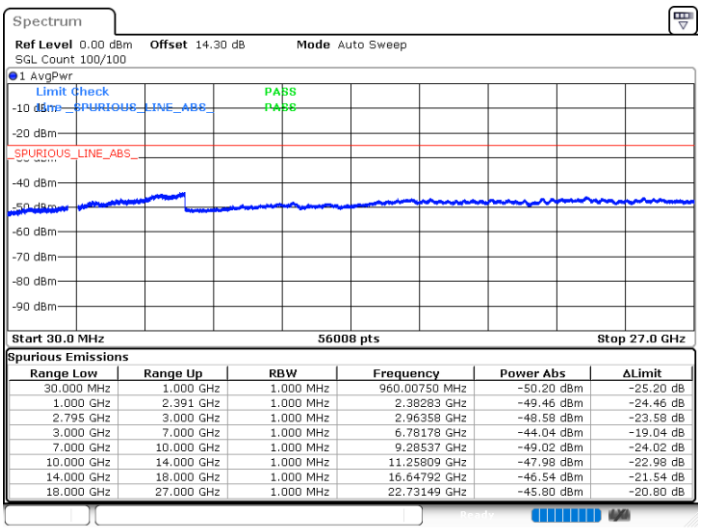


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-50.15 dBm	-25.15 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.13008 GHz	-49.44 dBm	-24.44 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94688 GHz	-48.55 dBm	-23.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89426 GHz	-44.13 dBm	-19.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95626 GHz	-48.90 dBm	-23.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24909 GHz	-47.87 dBm	-22.87 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.65692 GHz	-46.60 dBm	-21.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80748 GHz	-45.65 dBm	-20.65 dB

Date: 19.JAN.2021 22:26:51

Middle Channel / 1RB

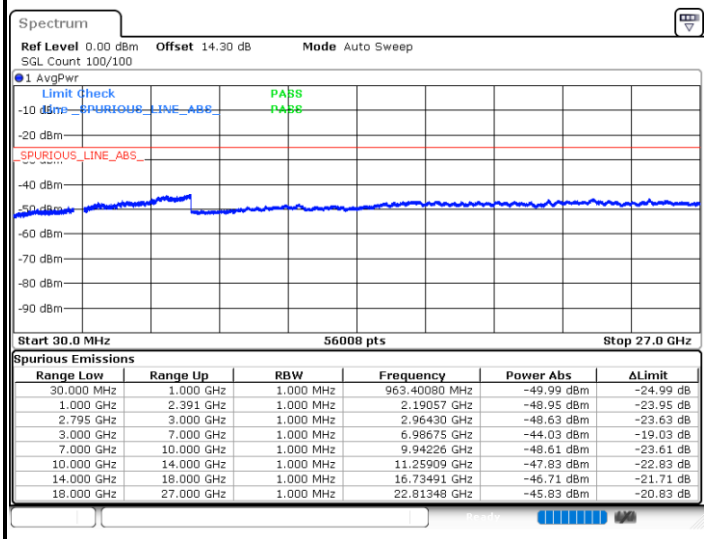


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-50.20 dBm	-25.20 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.38283 GHz	-49.46 dBm	-24.46 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96358 GHz	-48.58 dBm	-23.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78178 GHz	-44.04 dBm	-19.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.28537 GHz	-49.02 dBm	-24.02 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25809 GHz	-47.98 dBm	-22.98 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64792 GHz	-46.54 dBm	-21.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.73149 GHz	-45.80 dBm	-20.80 dB

Date: 19.JAN.2021 22:50:14

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-49.99 dBm	-24.99 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.19057 GHz	-48.95 dBm	-23.95 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96430 GHz	-48.63 dBm	-23.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-44.03 dBm	-19.03 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94226 GHz	-48.61 dBm	-23.61 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25909 GHz	-47.83 dBm	-22.83 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.73491 GHz	-46.71 dBm	-21.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.81348 GHz	-45.83 dBm	-20.83 dB

Date: 19.JAN.2021 22:52:12

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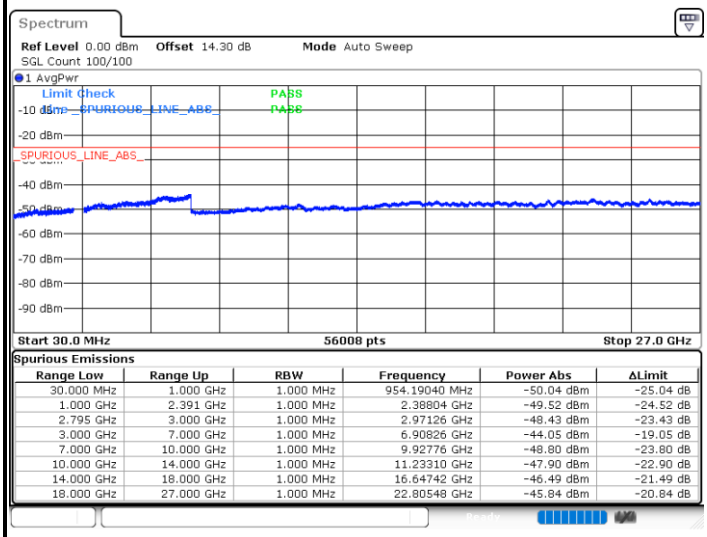
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

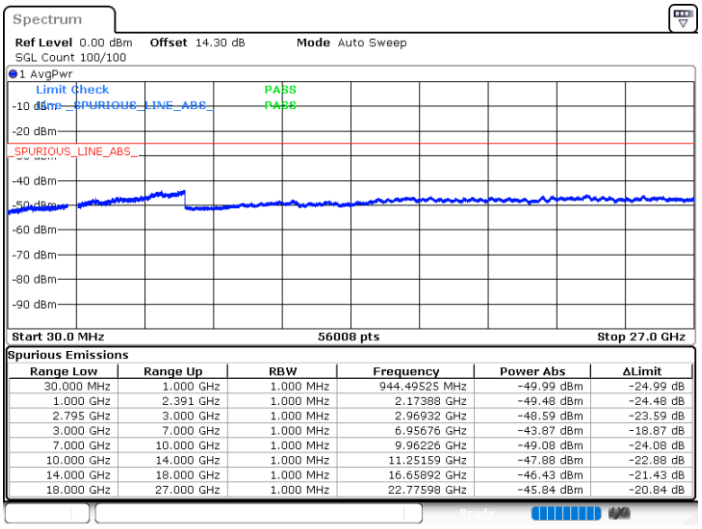


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-50.04 dBm	-25.04 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.38804 GHz	-49.52 dBm	-24.52 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97126 GHz	-48.43 dBm	-23.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-44.05 dBm	-19.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.92776 GHz	-48.80 dBm	-23.80 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23310 GHz	-47.90 dBm	-22.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64742 GHz	-46.49 dBm	-21.49 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80548 GHz	-45.84 dBm	-20.84 dB

Date: 19.JAN.2021 20:12:07

Middle Channel / 1RB

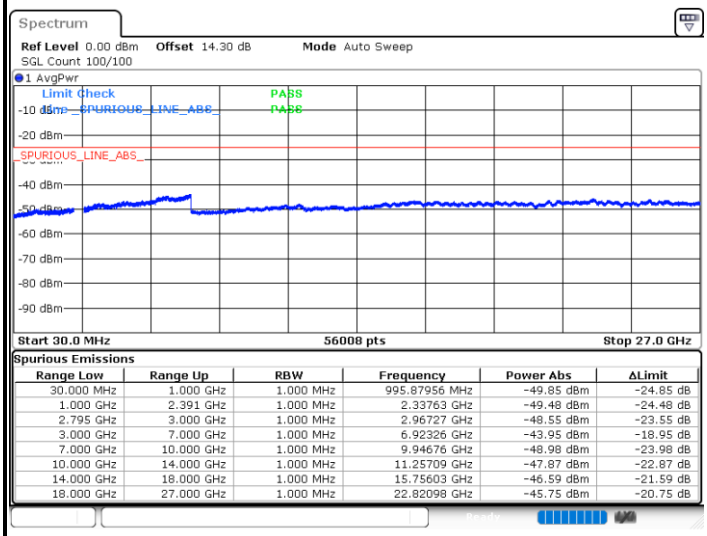


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-49.99 dBm	-24.99 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17388 GHz	-49.48 dBm	-24.48 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96932 GHz	-48.59 dBm	-23.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95676 GHz	-43.87 dBm	-18.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96226 GHz	-49.08 dBm	-24.08 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25159 GHz	-47.88 dBm	-22.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.65892 GHz	-46.43 dBm	-21.43 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.77598 GHz	-45.84 dBm	-20.84 dB

Date: 19.JAN.2021 20:21:10

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-49.85 dBm	-24.85 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.33763 GHz	-49.48 dBm	-24.48 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96727 GHz	-48.55 dBm	-23.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92326 GHz	-43.95 dBm	-18.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-48.98 dBm	-23.98 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25709 GHz	-47.87 dBm	-22.87 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75603 GHz	-46.59 dBm	-21.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.82098 GHz	-45.75 dBm	-20.75 dB

Date: 19.JAN.2021 20:22:49

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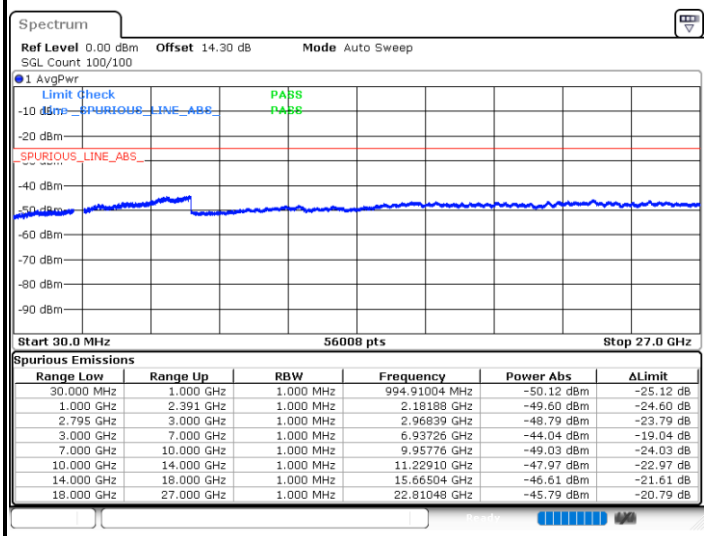
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

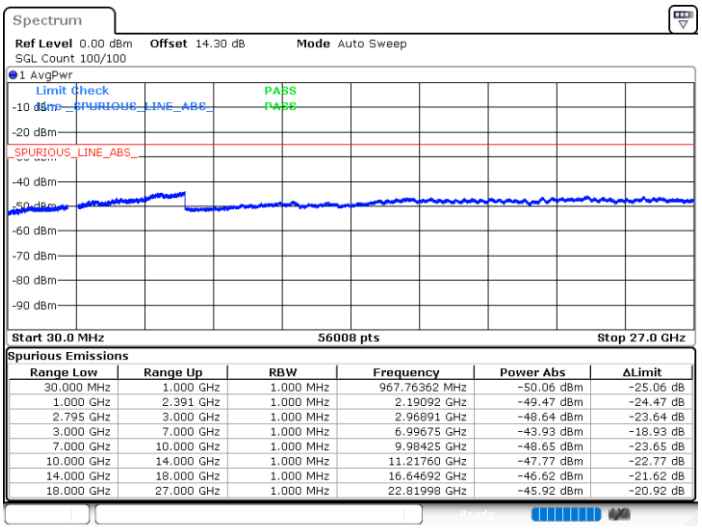


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-50.12 dBm	-25.12 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18188 GHz	-49.60 dBm	-24.60 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96839 GHz	-48.79 dBm	-23.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93726 GHz	-44.04 dBm	-19.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95776 GHz	-49.03 dBm	-24.03 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.22910 GHz	-47.97 dBm	-22.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.66504 GHz	-46.61 dBm	-21.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.81048 GHz	-45.79 dBm	-20.79 dB

Date: 19.JAN.2021 22:14:54

Middle Channel / 1RB

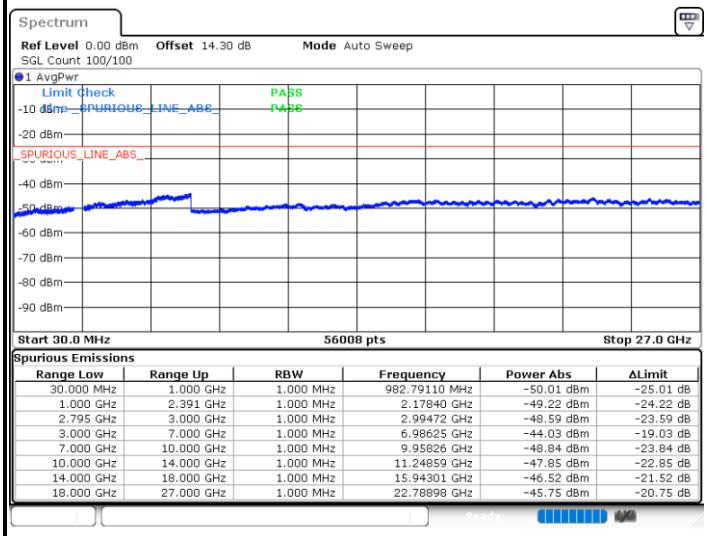


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-50.06 dBm	-25.06 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.19092 GHz	-49.47 dBm	-24.47 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96891 GHz	-48.64 dBm	-23.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-43.93 dBm	-18.93 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98425 GHz	-48.65 dBm	-23.65 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.21760 GHz	-47.77 dBm	-22.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64692 GHz	-46.62 dBm	-21.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.81998 GHz	-45.92 dBm	-20.92 dB

Date: 19.JAN.2021 22:16:46

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.79110 MHz	-50.01 dBm	-25.01 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17840 GHz	-49.22 dBm	-24.22 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99472 GHz	-48.59 dBm	-23.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-44.03 dBm	-19.03 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95826 GHz	-48.84 dBm	-23.84 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24859 GHz	-47.85 dBm	-22.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.94301 GHz	-46.52 dBm	-21.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.78898 GHz	-45.75 dBm	-20.75 dB

Date: 19.JAN.2021 22:25:04

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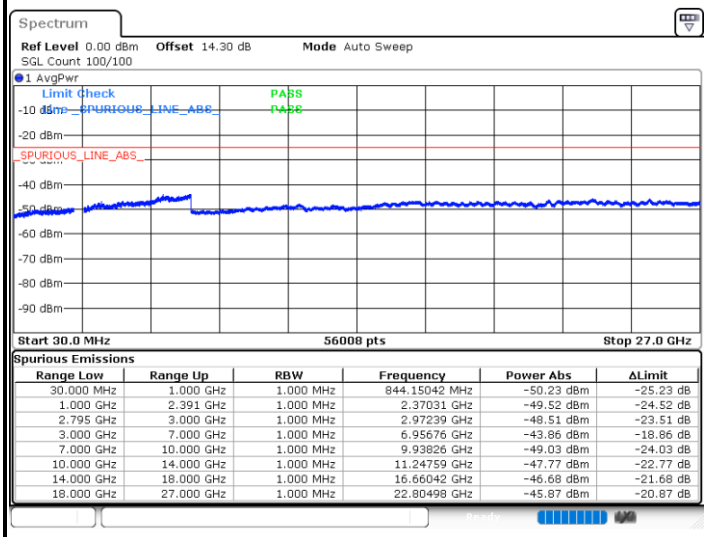
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

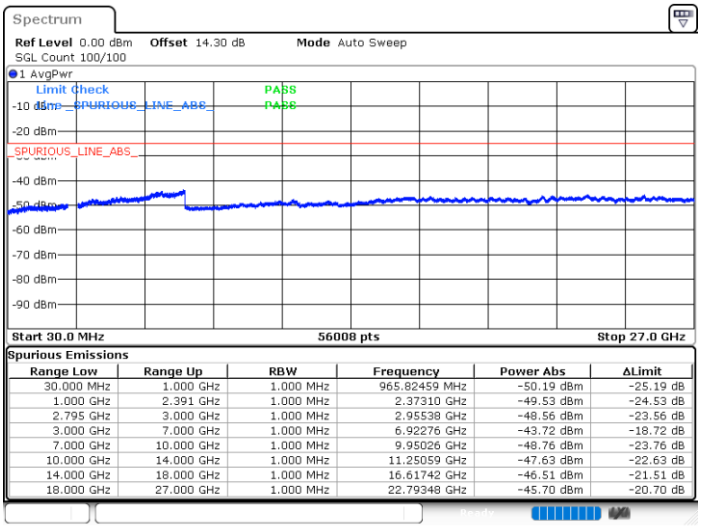


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.15042 MHz	-50.23 dBm	-25.23 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.37031 GHz	-49.52 dBm	-24.52 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97239 GHz	-48.51 dBm	-23.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95676 GHz	-43.86 dBm	-18.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93826 GHz	-49.03 dBm	-24.03 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24759 GHz	-47.77 dBm	-22.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.66042 GHz	-46.68 dBm	-21.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80498 GHz	-45.87 dBm	-20.87 dB

Date: 19.JAN.2021 20:29:46

Middle Channel / 1RB

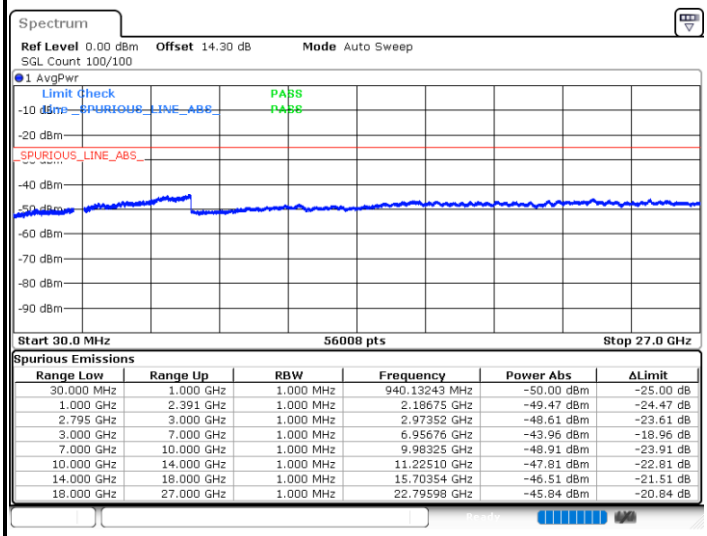


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-50.19 dBm	-25.19 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.37310 GHz	-49.53 dBm	-24.53 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95538 GHz	-48.56 dBm	-23.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92276 GHz	-43.72 dBm	-18.72 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95026 GHz	-48.76 dBm	-23.76 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25059 GHz	-47.63 dBm	-22.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.61742 GHz	-46.51 dBm	-21.51 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79348 GHz	-45.70 dBm	-20.70 dB

Date: 19.JAN.2021 20:30:58

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-50.00 dBm	-25.00 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18675 GHz	-49.47 dBm	-24.47 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97352 GHz	-48.61 dBm	-23.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95676 GHz	-43.96 dBm	-18.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98325 GHz	-48.91 dBm	-23.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.22510 GHz	-47.81 dBm	-22.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70354 GHz	-46.51 dBm	-21.51 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79598 GHz	-45.84 dBm	-20.84 dB

Date: 19.JAN.2021 20:57:42

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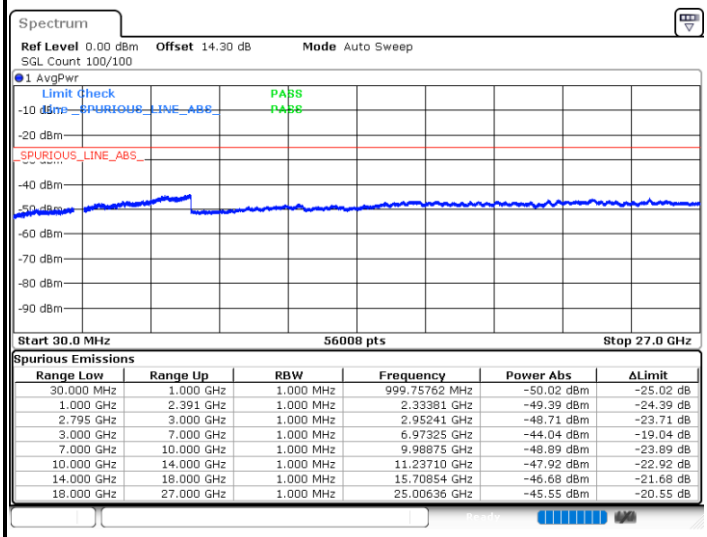
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-50.02 dBm	-25.02 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.33381 GHz	-49.39 dBm	-24.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95241 GHz	-48.71 dBm	-23.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97325 GHz	-44.04 dBm	-19.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-48.89 dBm	-23.89 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23710 GHz	-47.92 dBm	-22.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70854 GHz	-46.68 dBm	-21.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.00636 GHz	-45.55 dBm	-20.55 dB

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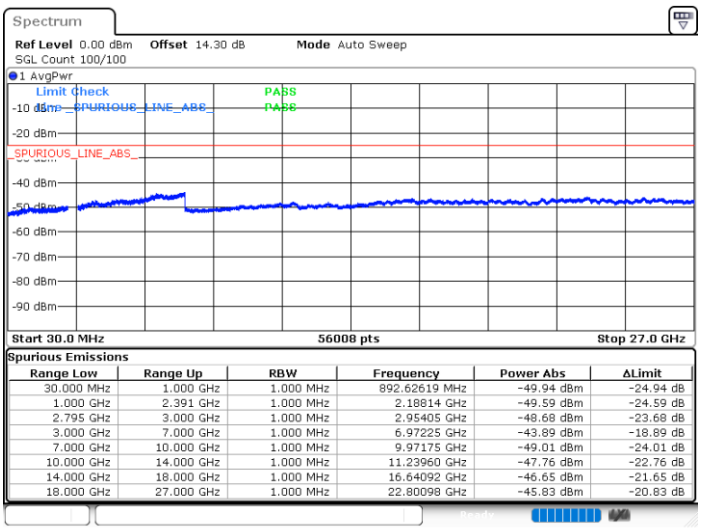
Middle Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-49.94 dBm	-24.94 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18814 GHz	-49.59 dBm	-24.59 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95405 GHz	-48.68 dBm	-23.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97225 GHz	-43.89 dBm	-18.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97175 GHz	-49.01 dBm	-24.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23960 GHz	-47.76 dBm	-22.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64092 GHz	-46.65 dBm	-21.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80098 GHz	-45.83 dBm	-20.83 dB

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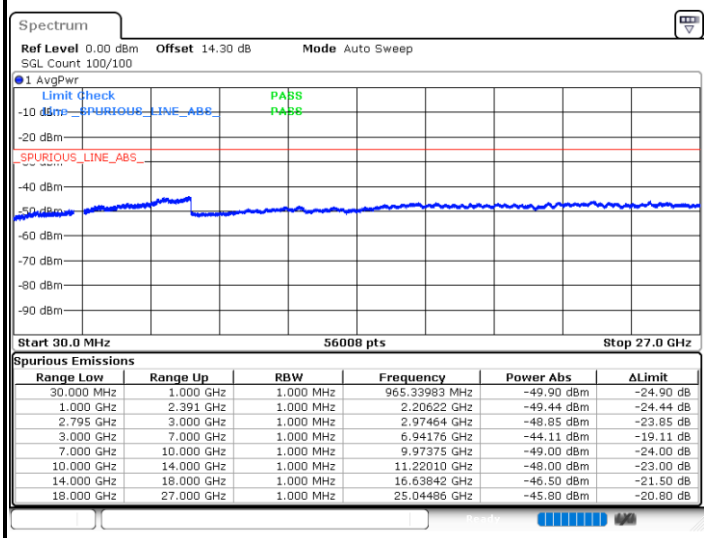
Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-49.90 dBm	-24.90 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.20622 GHz	-49.44 dBm	-24.44 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97464 GHz	-48.85 dBm	-23.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94176 GHz	-44.11 dBm	-19.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97375 GHz	-49.00 dBm	-24.00 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.22010 GHz	-48.00 dBm	-23.00 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63842 GHz	-46.50 dBm	-21.50 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.04486 GHz	-45.80 dBm	-20.80 dB

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Frequency Stability

Test Conditions		NR UL-MIMO n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0025	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0038	

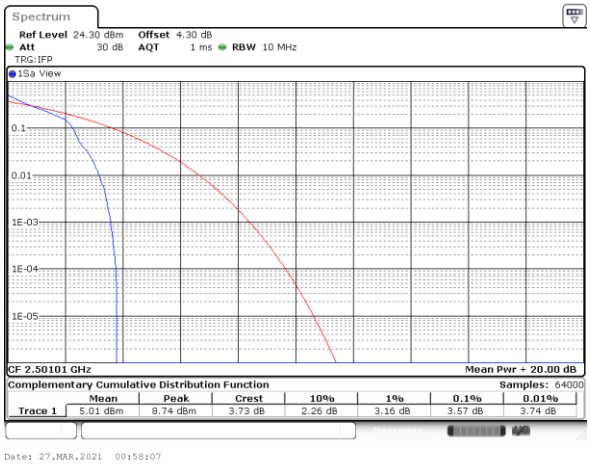
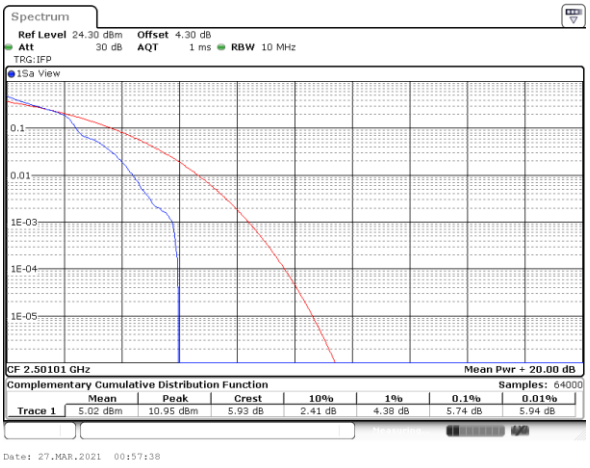
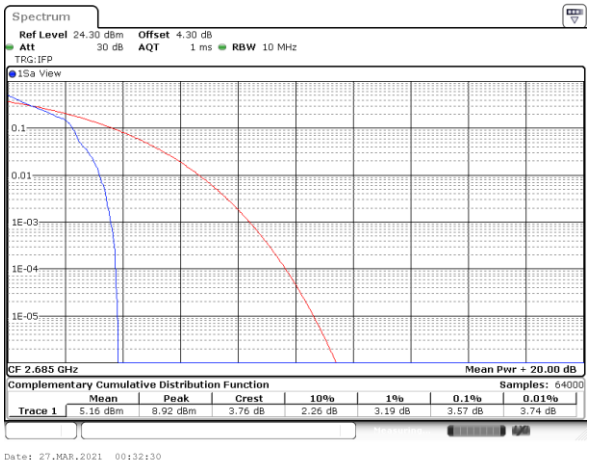
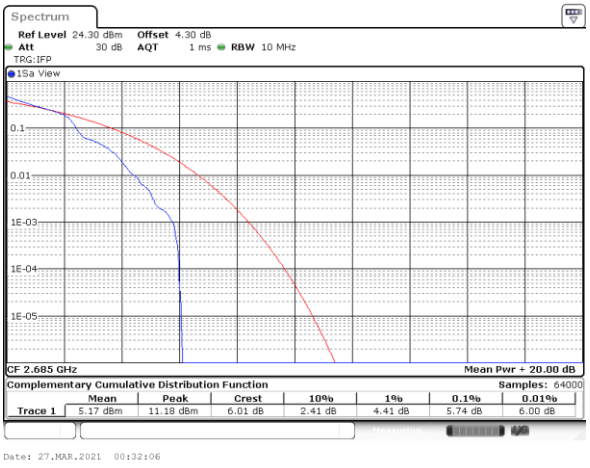
Note:

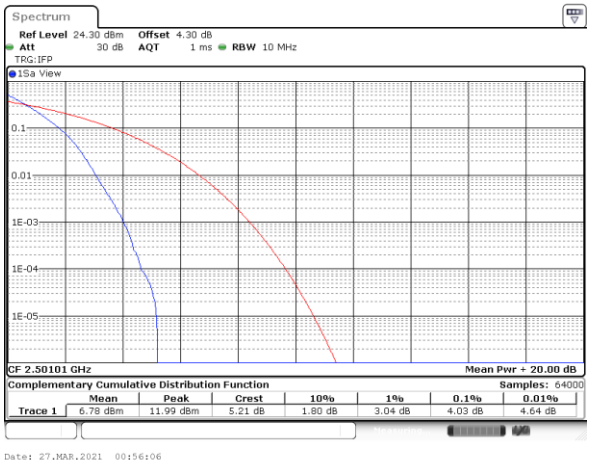
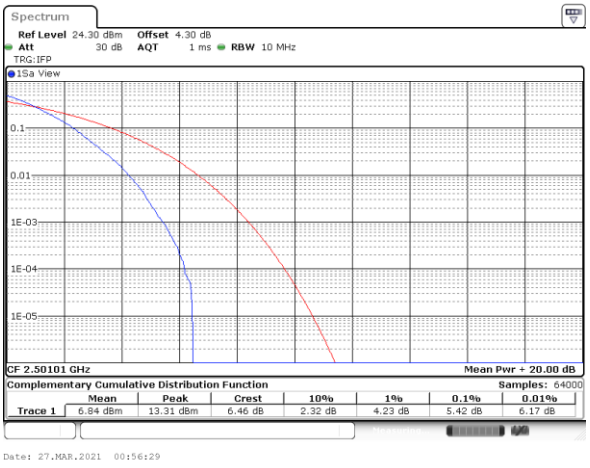
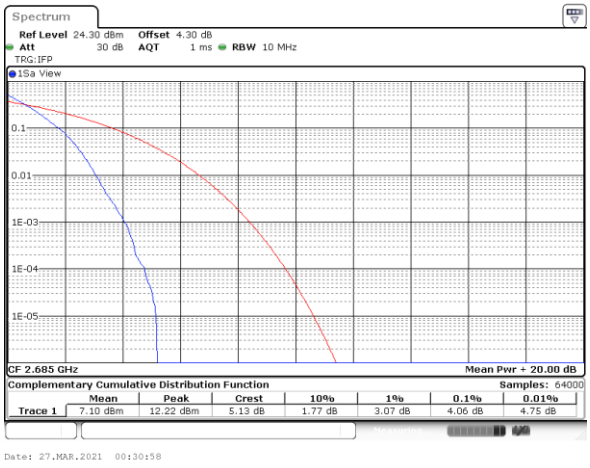
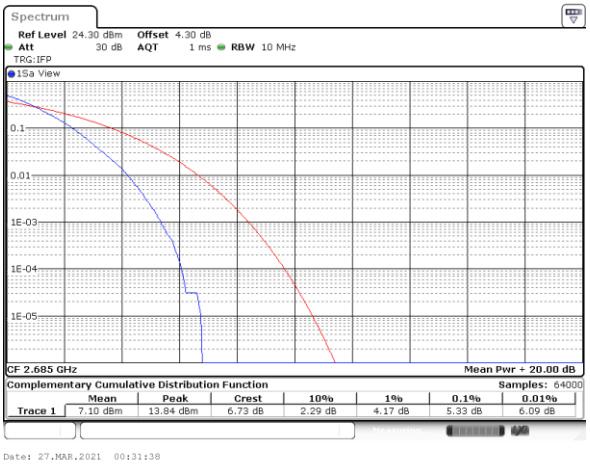
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

5G NR n41 NSA-SCS 15K

Peak-to-Average Ratio

Mode	FR1 n41+41A / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.03	5.74	5.42	PASS
Middle CH	-	-	-	-	
Highest CH	3.57	4.06	5.74	5.33	

FR1 n41+41A / 10MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / 1RB	**Lowest Channel / 1RB**
	
Highest Channel / 1 RB	**Highest Channel / 1 RB**
	

FR1 n41+41A / 10MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / Full RB	**Lowest Channel / Full RB**
	
Highest Channel / Full RB	**Highest Channel / Full RB**
	

26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.79	9.71	9.73	9.57				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.87	14.78	14.90	14.87				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	29.43	29.61	29.37	29.43				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	41.00	40.92	40.92	41.00				