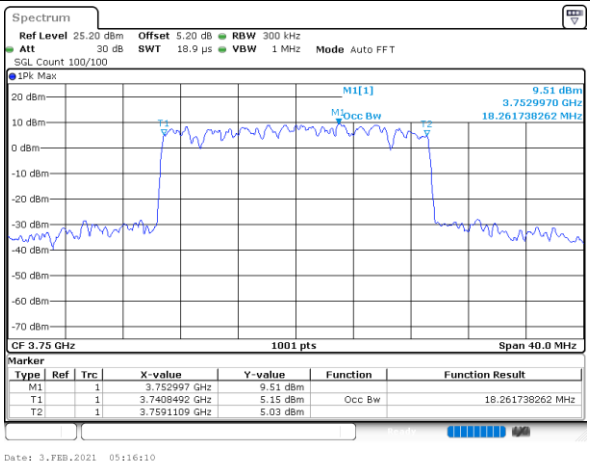
FR1 UL-MIMO n78 / 20MHz / CP-OFDM (M)

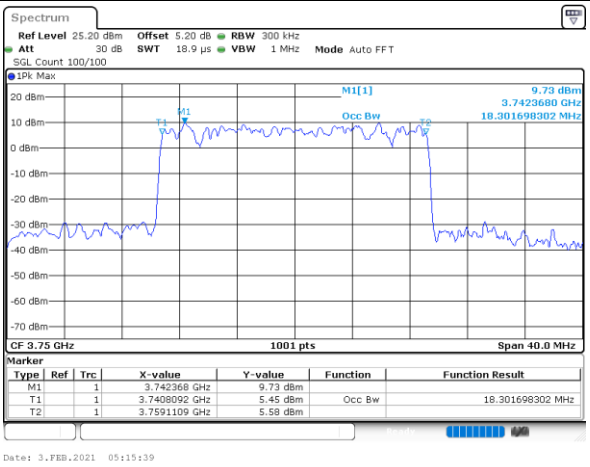
QPSK

Middle Channel



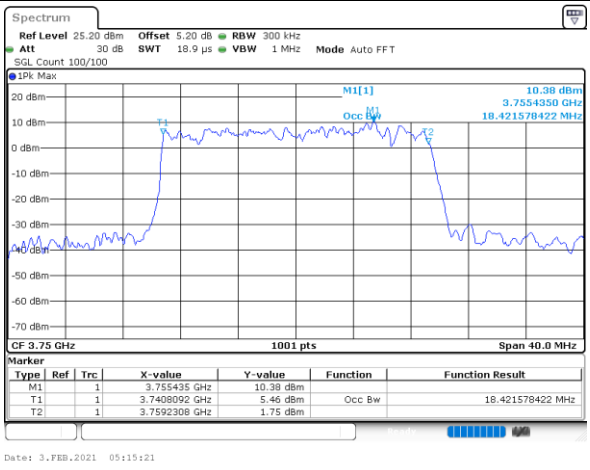
16QAM

Middle Channel



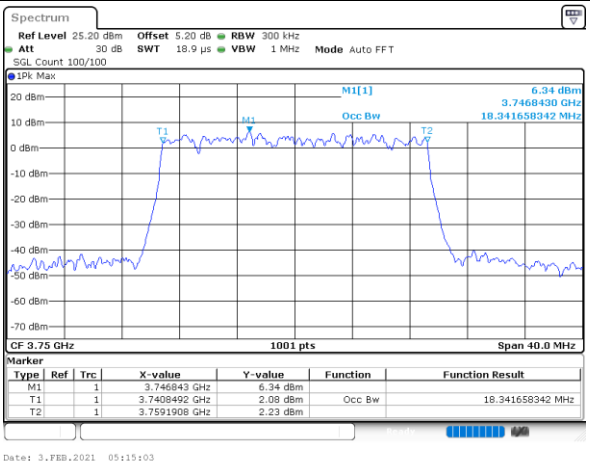
64QAM

Middle Channel



256QAM

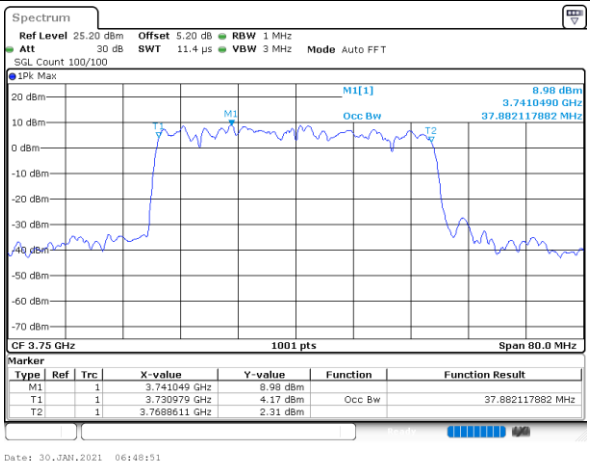
Middle Channel



FR1 UL-MIMO n78 / 40MHz / CP-OFDM (M2)

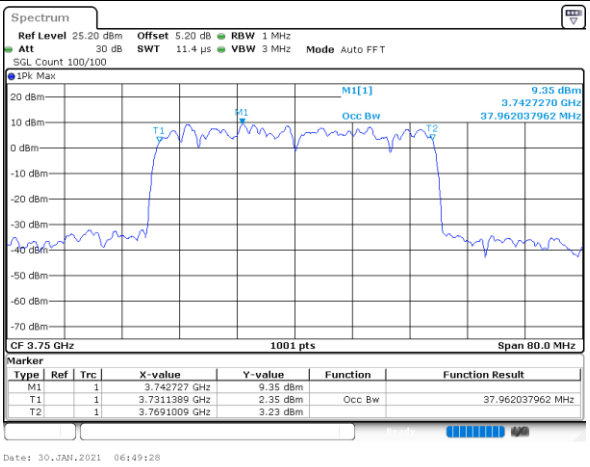
QPSK

Middle Channel



16QAM

Middle Channel



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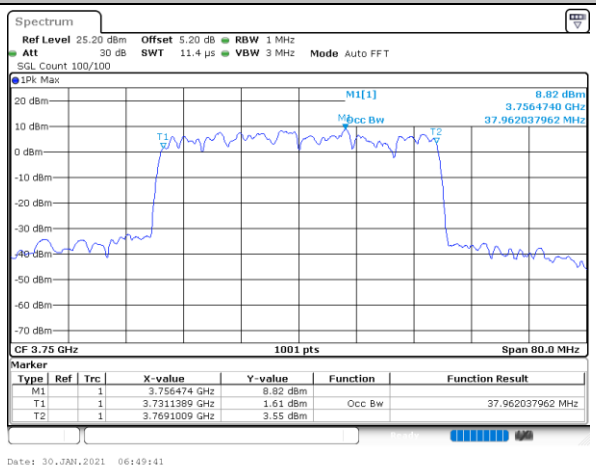
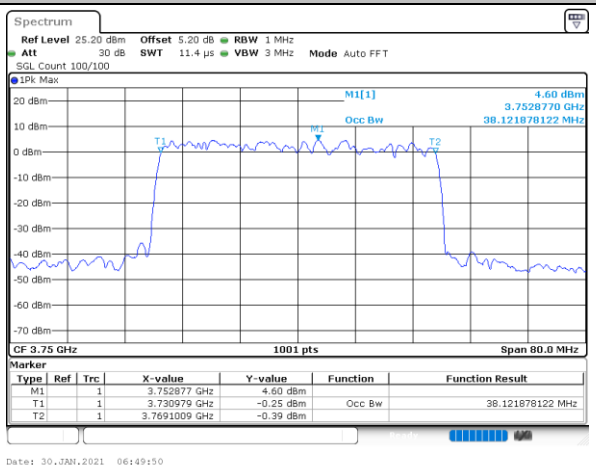
Middle Channel



256QAM

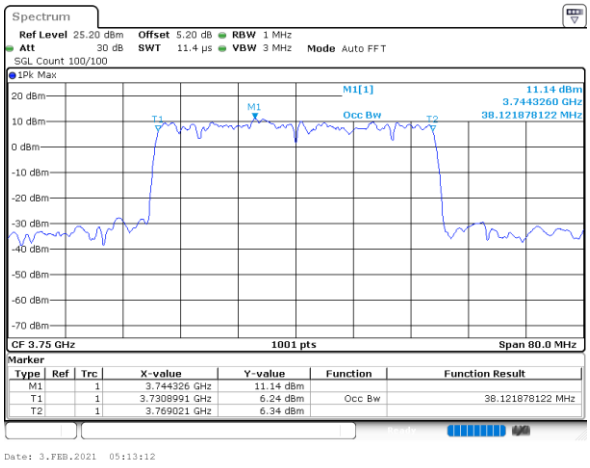
Middle Channel



FR1 UL-MIMO n78 / 40MHz / CP-OFDM (M)

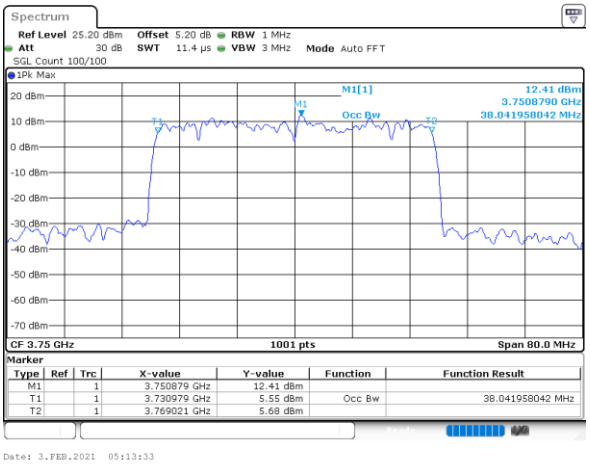
QPSK

Middle Channel



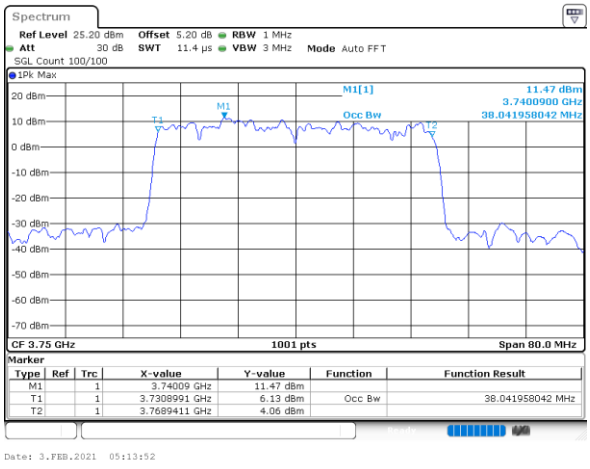
16QAM

Middle Channel



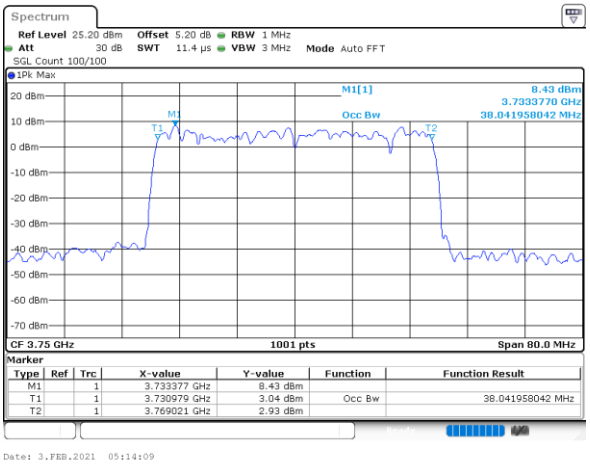
64QAM

Middle Channel



256QAM

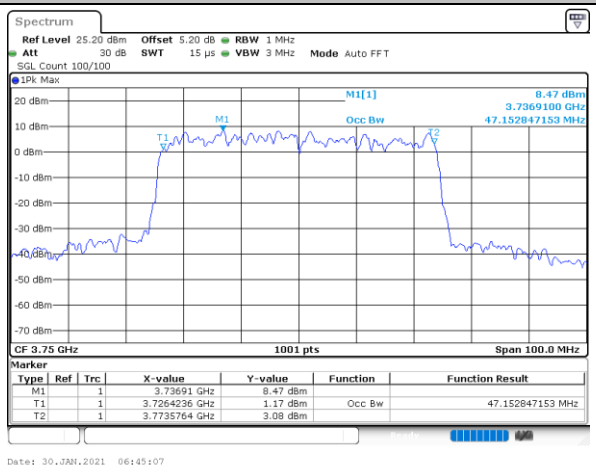
Middle Channel



FR1 UL-MIMO n78 / 50MHz / CP-OFDM (M2)

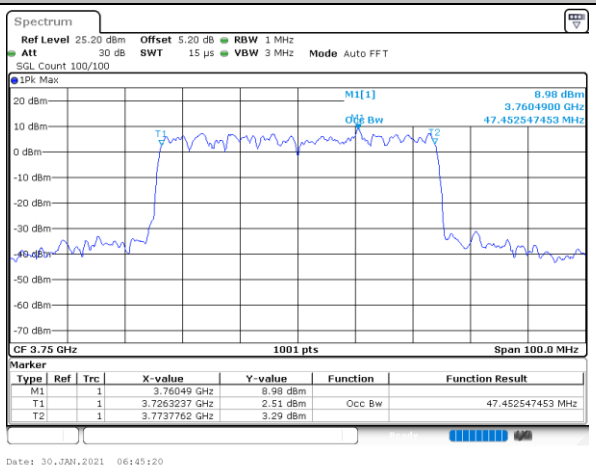
QPSK

Middle Channel



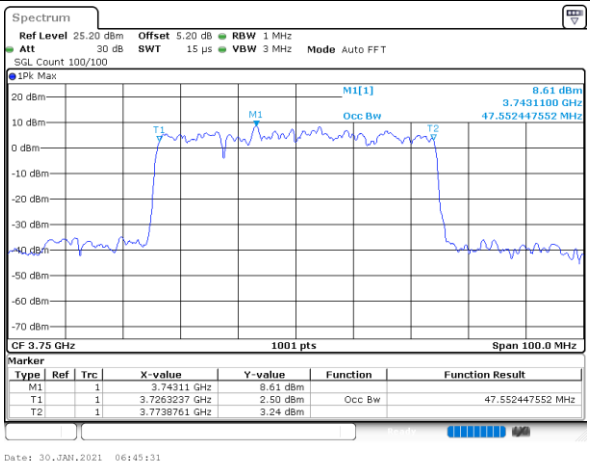
16QAM

Middle Channel



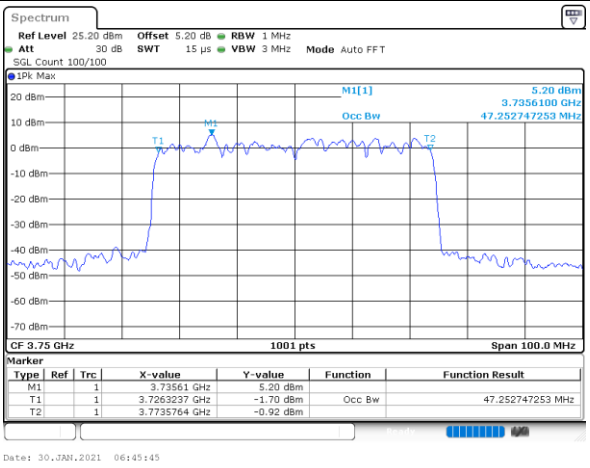
64QAM

Middle Channel



256QAM

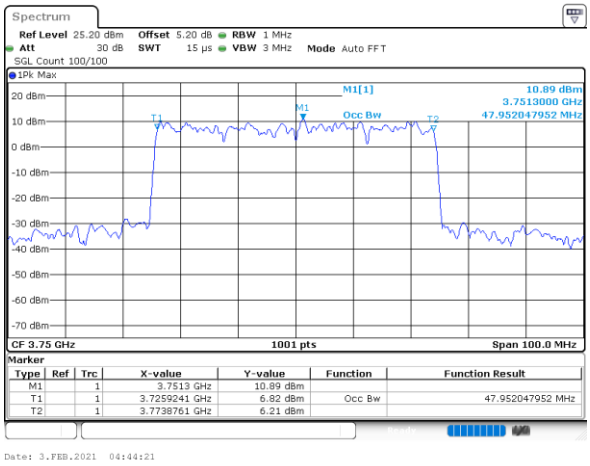
Middle Channel



FR1 UL-MIMO n78 / 50MHz / CP-OFDM (M)

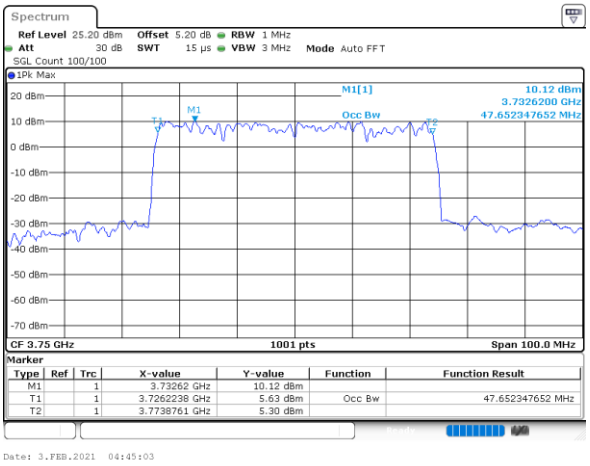
QPSK

Middle Channel



16QAM

Middle Channel



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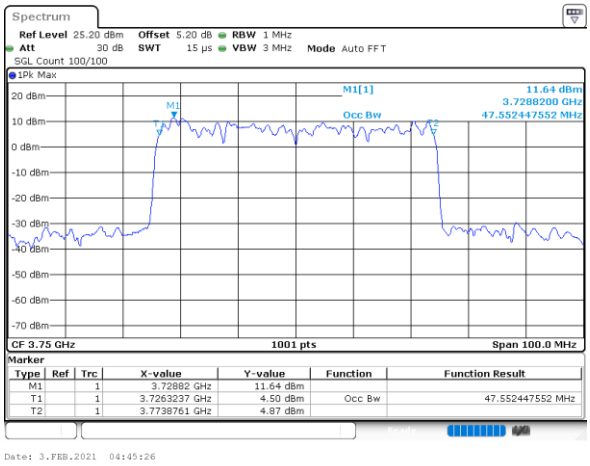
Middle Channel



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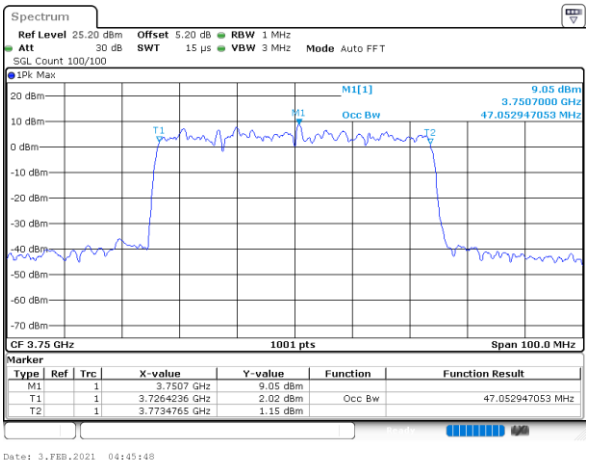
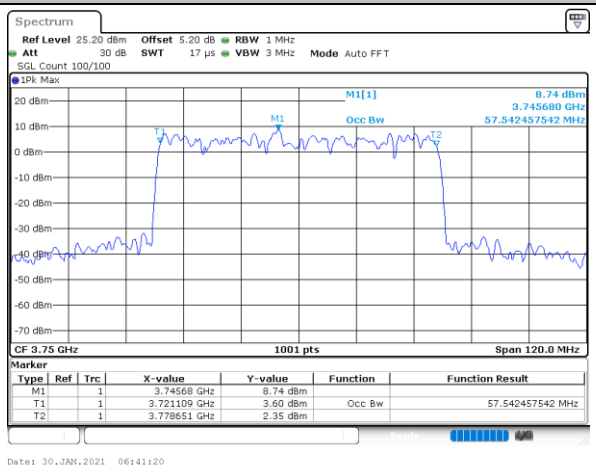


FR1 UL-MIMO n78 / 60MHz / CP-OFDM (M2)

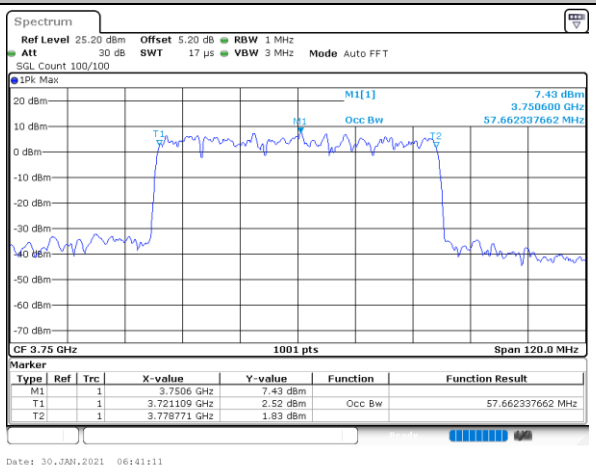
QPSK

Middle Channel



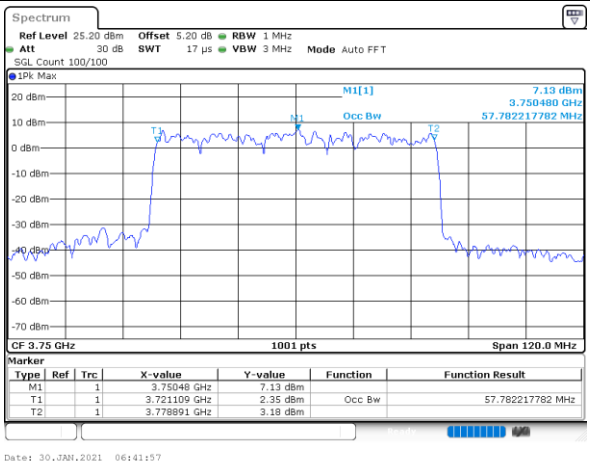
16QAM

Middle Channel



64QAM

Middle Channel



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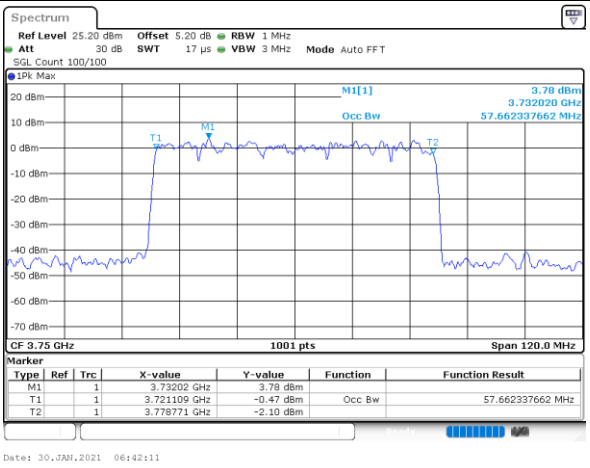
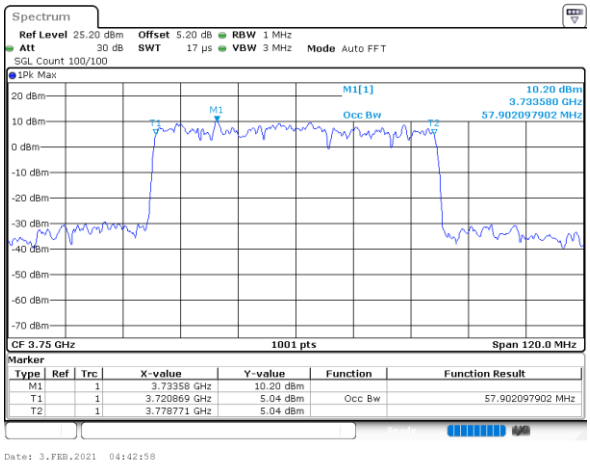
Middle Channel



FR1 UL-MIMO n78 / 60MHz / CP-OFDM (M)

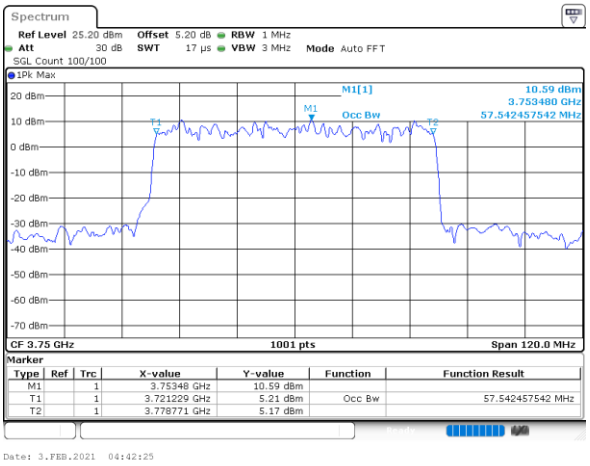
QPSK

Middle Channel



16QAM

Middle Channel



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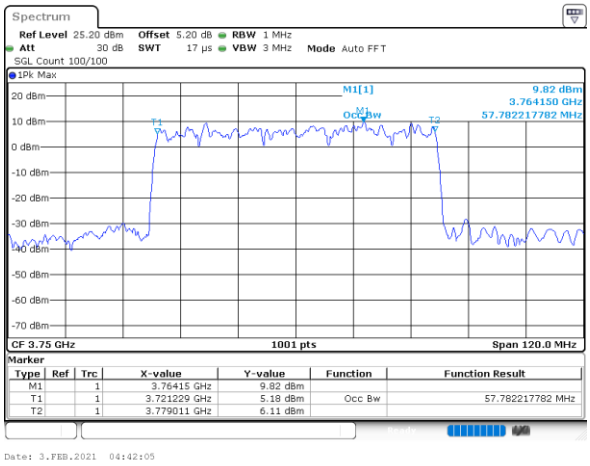
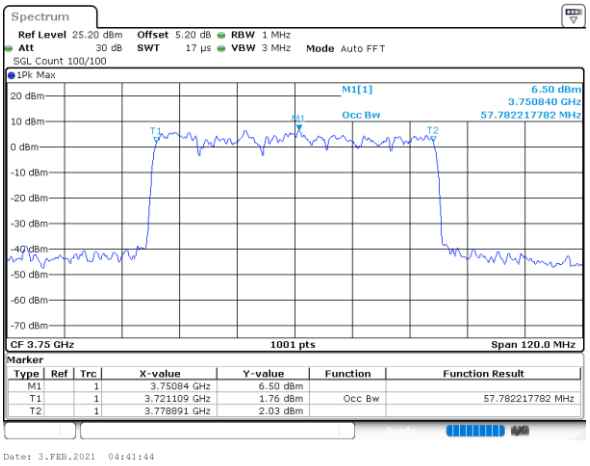
Middle Channel



256QAM

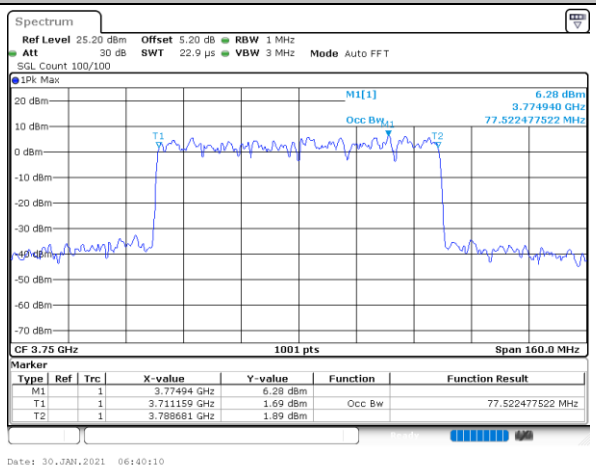
Middle Channel



FR1 UL-MIMO n78 / 80MHz / CP-OFDM (M2)

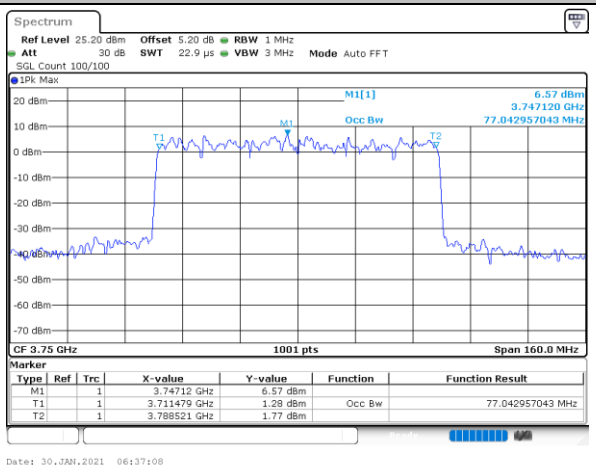
QPSK

Middle Channel



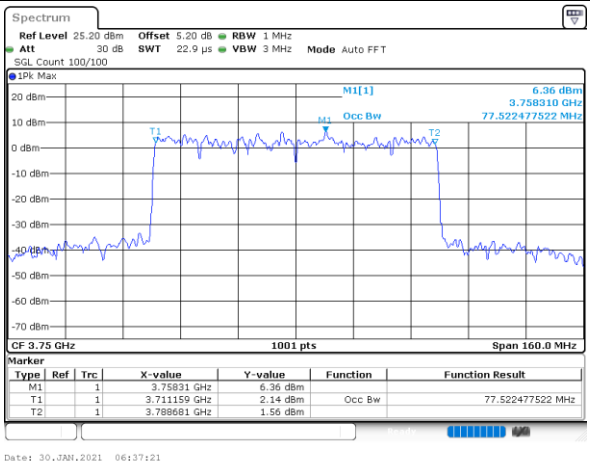
16QAM

Middle Channel



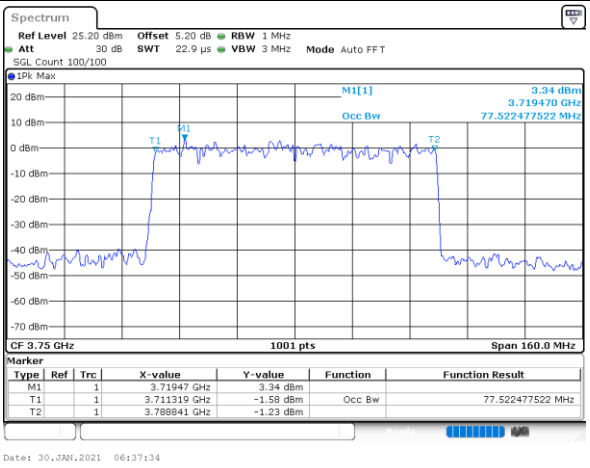
64QAM

Middle Channel



256QAM

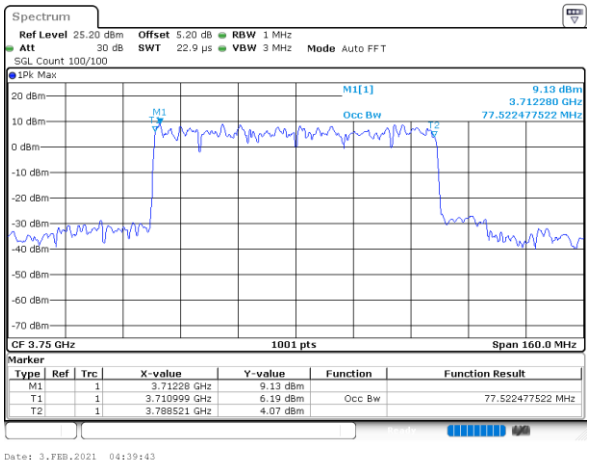
Middle Channel



FR1 UL-MIMO n78 / 80MHz / CP-OFDM (M)

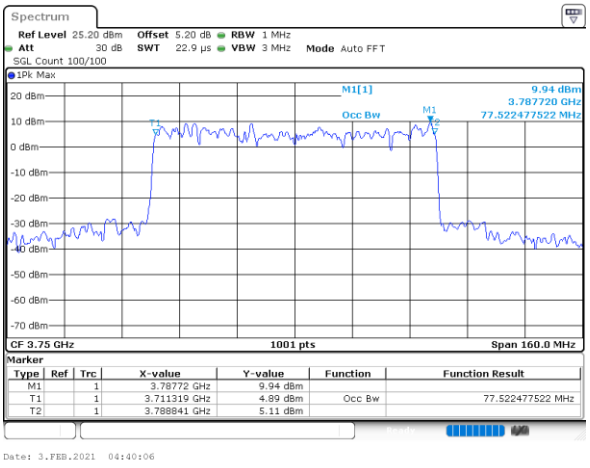
QPSK

Middle Channel



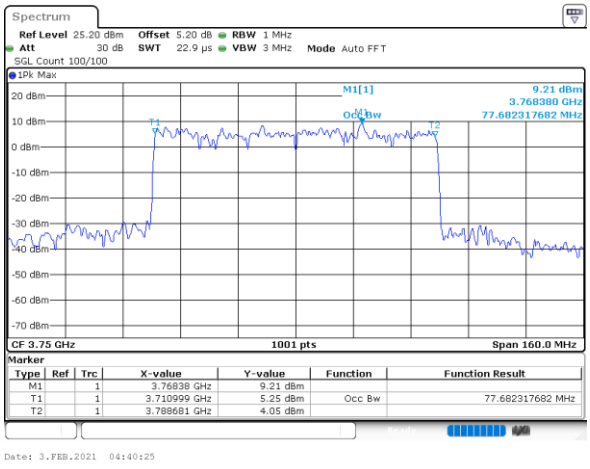
16QAM

Middle Channel



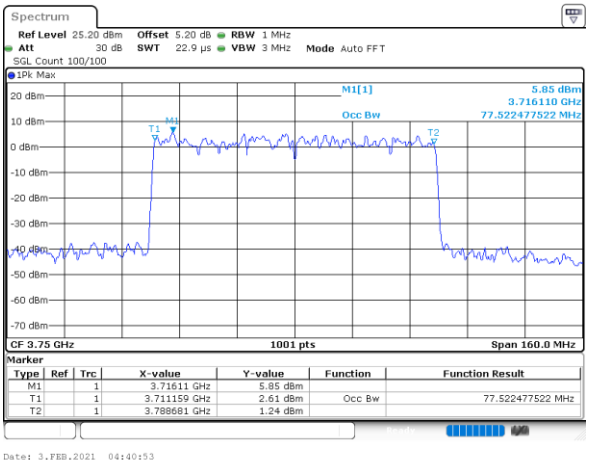
64QAM

Middle Channel



256QAM

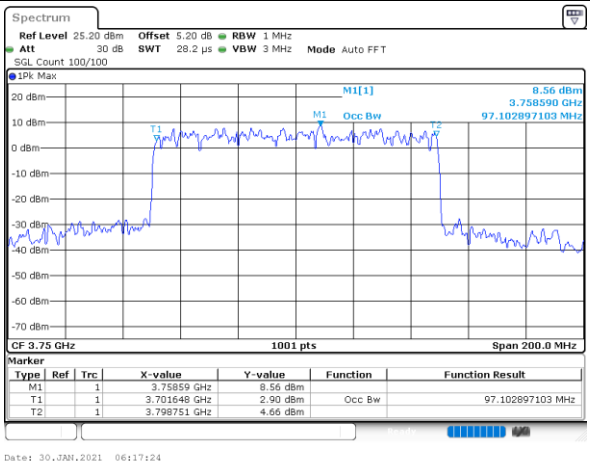
Middle Channel



FR1 UL-MIMO n78 / 100MHz / CP-OFDM (M2)

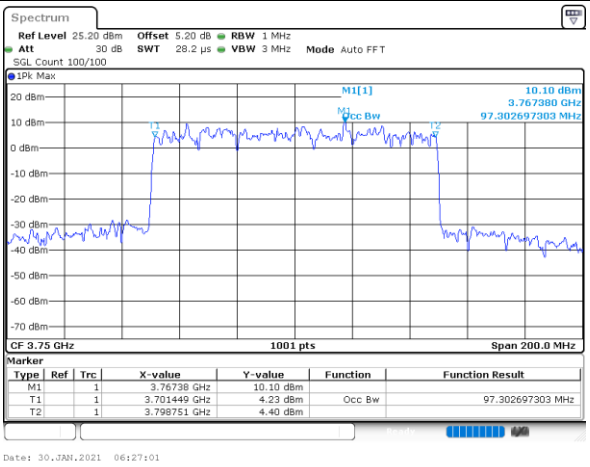
QPSK

Middle Channel



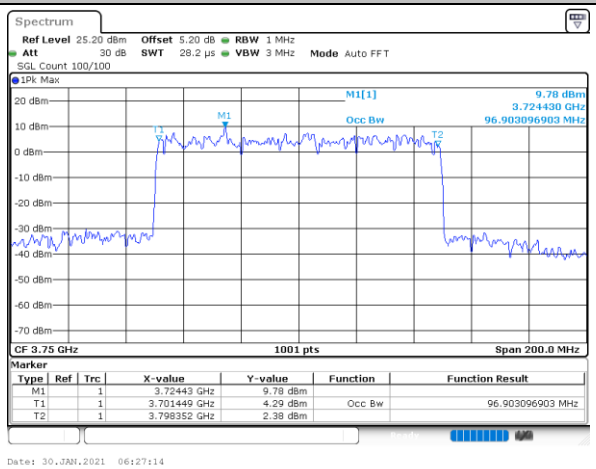
16QAM

Middle Channel



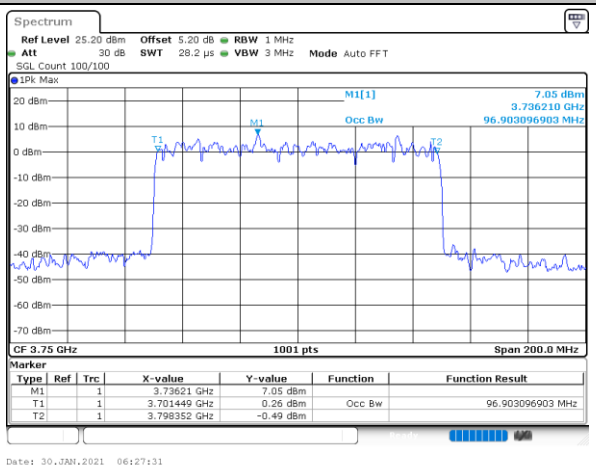
64QAM

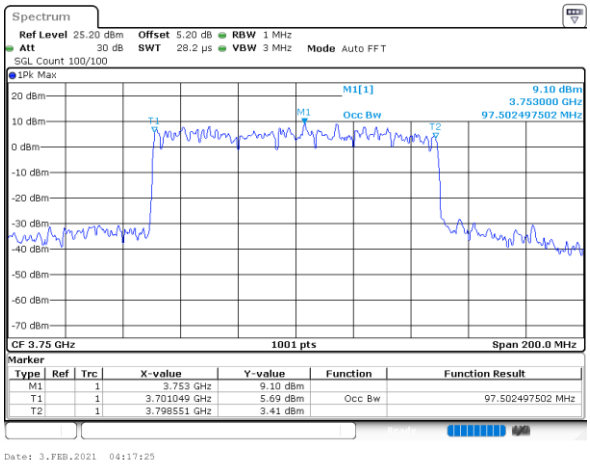
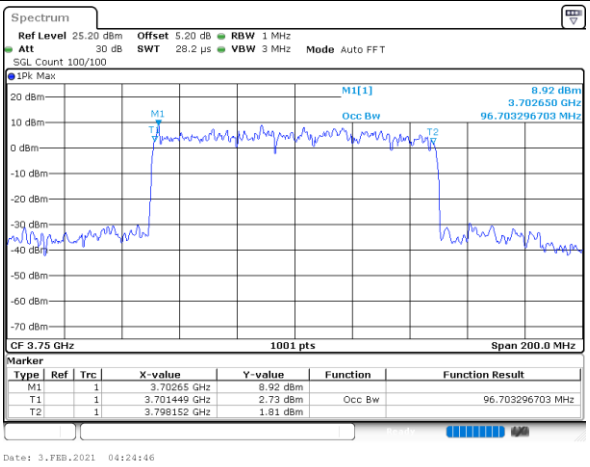
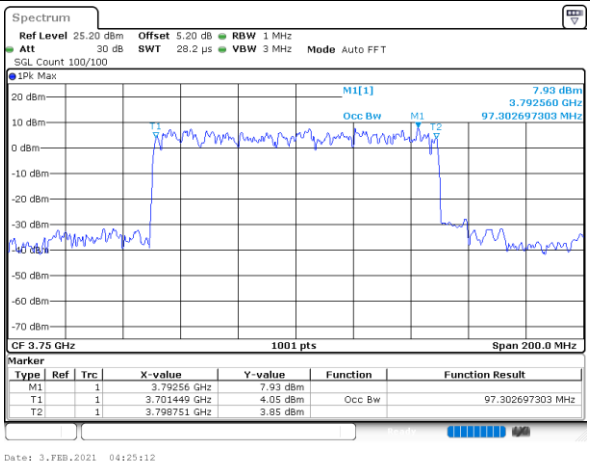
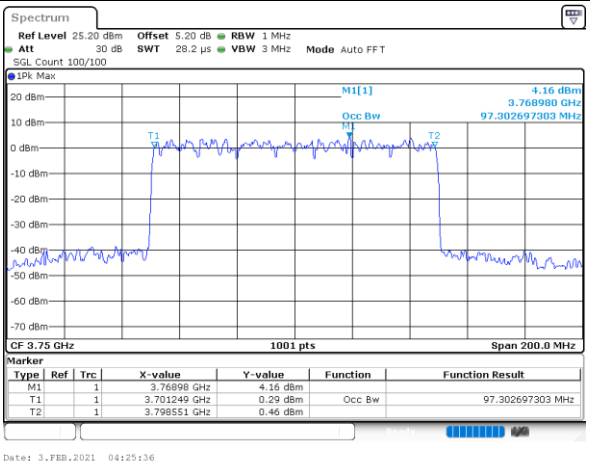
Middle Channel



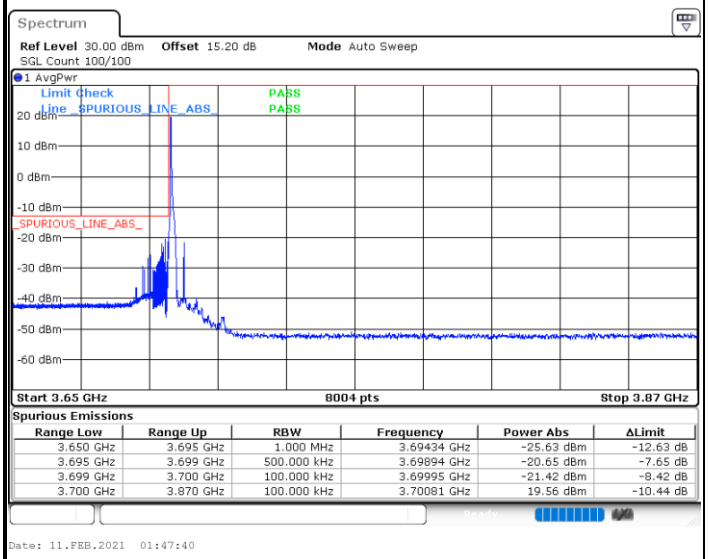
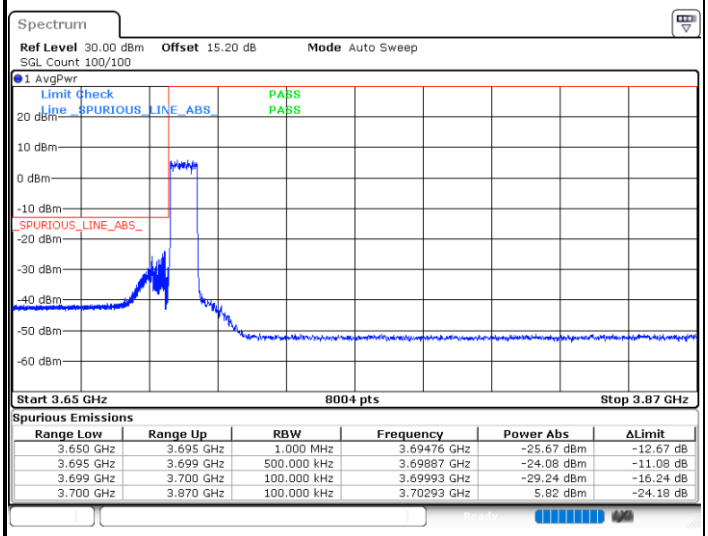
256QAM

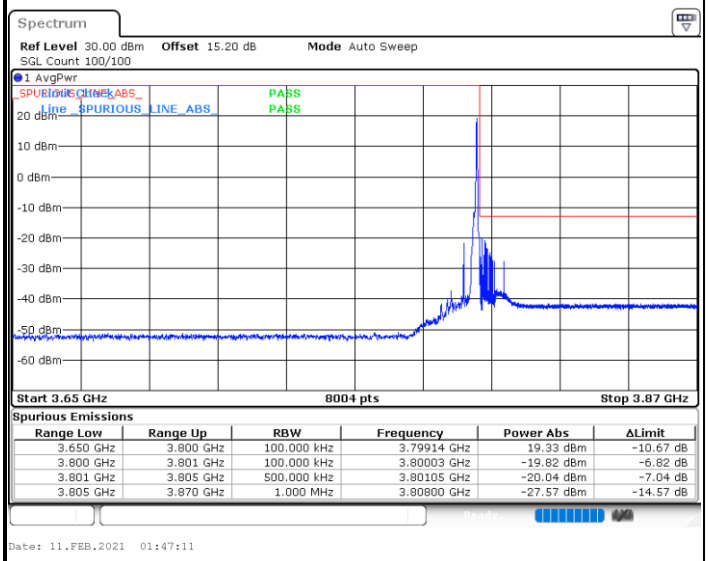
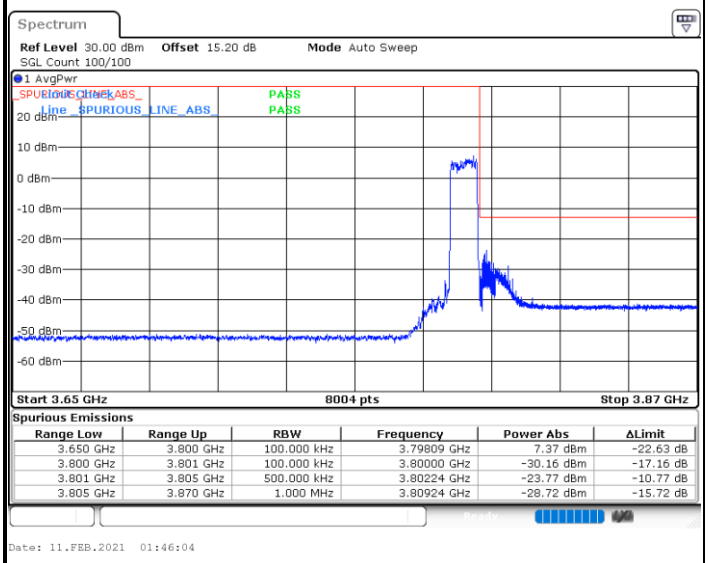
Middle Channel

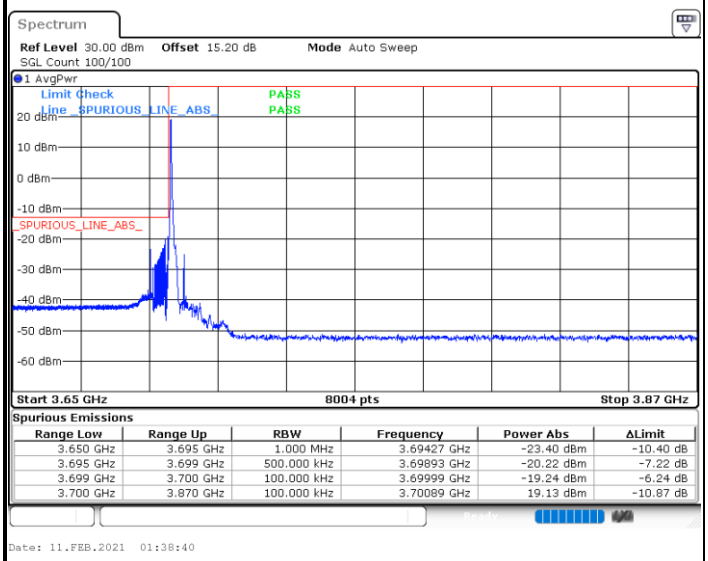
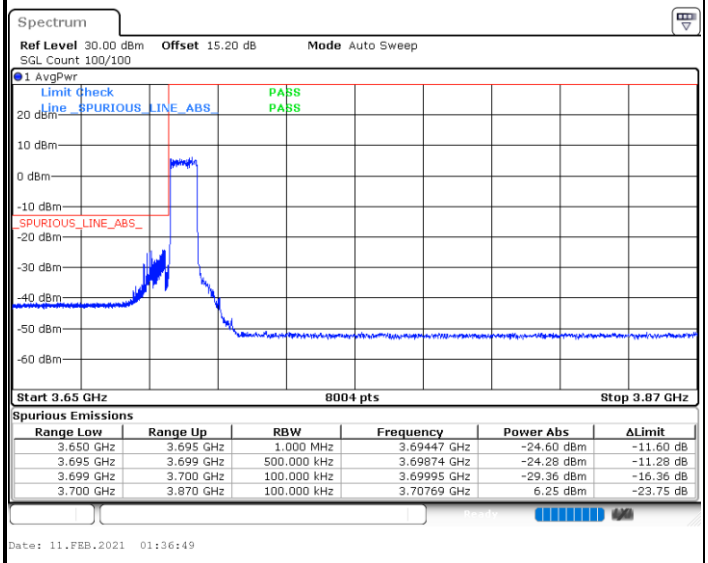


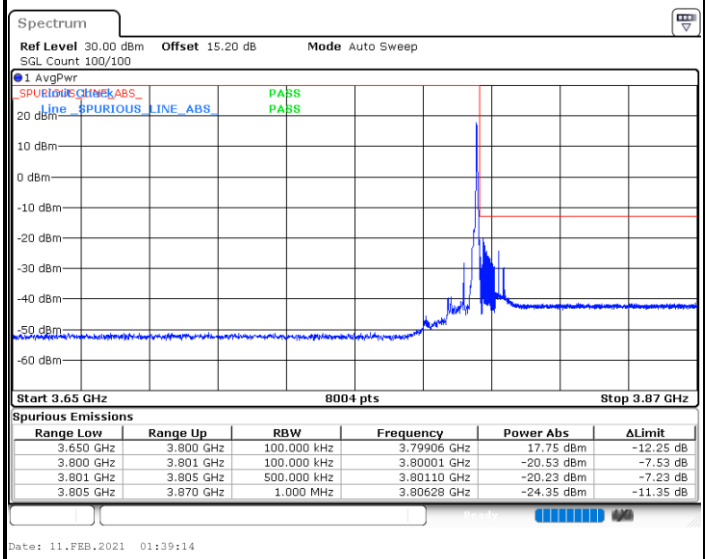
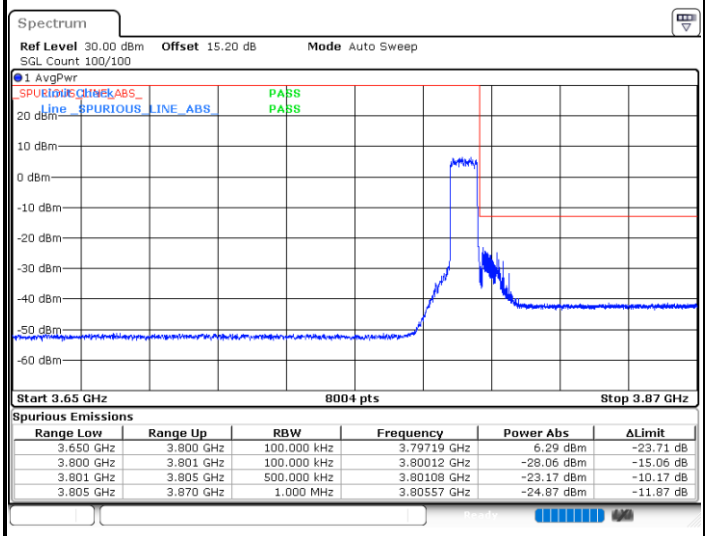
FR1 UL-MIMO n78 / 100MHz / CP-OFDM (M)	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

Conducted Band Edge

FR1 UL-MIMO n78 / 10MHz / CP-OFDM QPSK (M2)	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.695 GHz / 1.000 MHz / 3.69434 GHz / -25.63 dBm / -12.63 dB 3.695 GHz / 3.699 GHz / 500.000 kHz / 3.69894 GHz / -20.65 dBm / -7.65 dB 3.699 GHz / 3.700 GHz / 100.000 kHz / 3.69995 GHz / -21.42 dBm / -8.42 dB 3.700 GHz / 3.870 GHz / 100.000 kHz / 3.70081 GHz / 19.56 dBm / -10.44 dB Date: 11.FEB.2021 01:47:40	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.695 GHz / 1.000 MHz / 3.69476 GHz / -25.67 dBm / -12.67 dB 3.695 GHz / 3.699 GHz / 500.000 kHz / 3.69887 GHz / -24.08 dBm / -11.08 dB 3.699 GHz / 3.700 GHz / 100.000 kHz / 3.69993 GHz / -29.24 dBm / -16.24 dB 3.700 GHz / 3.870 GHz / 100.000 kHz / 3.70293 GHz / 5.82 dBm / -24.18 dB Date: 11.FEB.2021 01:48:40	

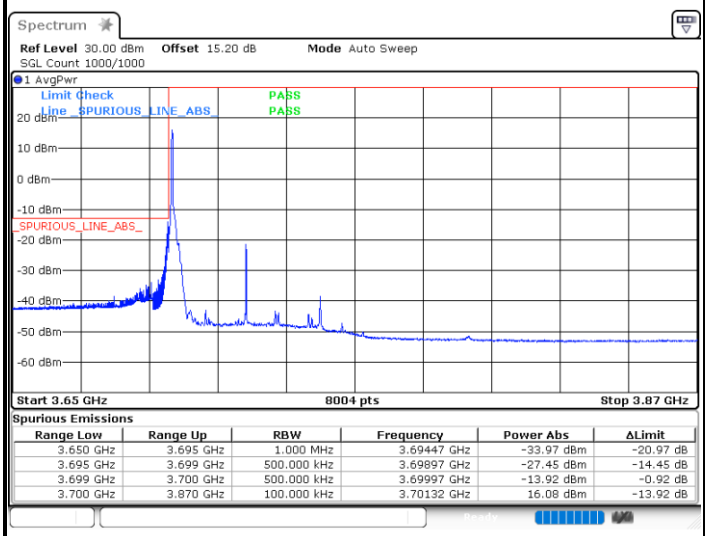
FR1 UL-MIMO n78 / 10MHz / CP-OFDM QPSK (M2)	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.800 GHz / 100.000 kHz / 3.79914 GHz / 19.33 dBm / -10.67 dB 3.800 GHz / 3.801 GHz / 100.000 kHz / 3.80003 GHz / -19.82 dBm / -6.82 dB 3.801 GHz / 3.805 GHz / 500.000 kHz / 3.80105 GHz / -20.04 dBm / -7.04 dB 3.805 GHz / 3.870 GHz / 1.000 MHz / 3.80800 GHz / -27.57 dBm / -14.57 dB Date: 11.FEB.2021 01:47:11	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.800 GHz / 100.000 kHz / 3.79809 GHz / 7.37 dBm / -22.63 dB 3.800 GHz / 3.801 GHz / 100.000 kHz / 3.80000 GHz / -30.16 dBm / -17.16 dB 3.801 GHz / 3.805 GHz / 500.000 kHz / 3.80224 GHz / -23.77 dBm / -10.77 dB 3.805 GHz / 3.870 GHz / 1.000 MHz / 3.80924 GHz / -28.72 dBm / -15.72 dB Date: 11.FEB.2021 01:46:04	/

FR1 UL-MIMO n78 / 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 3.650 GHz / 3.695 GHz / 1.000 MHz / 3.69427 GHz / -23.40 dBm / -10.40 dB 3.695 GHz / 3.699 GHz / 500.000 kHz / 3.69893 GHz / -20.22 dBm / -7.22 dB 3.699 GHz / 3.700 GHz / 100.000 kHz / 3.69999 GHz / -19.24 dBm / -6.24 dB 3.700 GHz / 3.870 GHz / 100.000 kHz / 3.70089 GHz / 19.13 dBm / -10.87 dB Date: 11.FEB.2021 01:38:40	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.695 GHz / 1.000 MHz / 3.69447 GHz / -24.60 dBm / -11.60 dB 3.695 GHz / 3.699 GHz / 500.000 kHz / 3.69874 GHz / -24.28 dBm / -11.28 dB 3.699 GHz / 3.700 GHz / 100.000 kHz / 3.69995 GHz / -29.36 dBm / -16.36 dB 3.700 GHz / 3.870 GHz / 100.000 kHz / 3.70769 GHz / 6.25 dBm / -23.75 dB Date: 11.FEB.2021 01:36:49	/

FR1 UL-MIMO n78 / 10MHz / CP-OFDM QPSK (M)	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.800 GHz / 100.000 kHz / 3.79906 GHz / 17.75 dBm / -12.25 dB 3.800 GHz / 3.801 GHz / 100.000 kHz / 3.80001 GHz / -20.53 dBm / -7.53 dB 3.801 GHz / 3.805 GHz / 500.000 kHz / 3.80110 GHz / -20.23 dBm / -7.23 dB 3.805 GHz / 3.870 GHz / 1.000 MHz / 3.80628 GHz / -24.35 dBm / -11.35 dB Date: 11.FEB.2021 01:39:14	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 3.650 GHz / 3.800 GHz / 100.000 kHz / 3.79719 GHz / 6.29 dBm / -23.71 dB 3.800 GHz / 3.801 GHz / 100.000 kHz / 3.80012 GHz / -28.06 dBm / -15.06 dB 3.801 GHz / 3.805 GHz / 500.000 kHz / 3.80108 GHz / -23.17 dBm / -10.17 dB 3.805 GHz / 3.870 GHz / 1.000 MHz / 3.80557 GHz / -24.87 dBm / -11.87 dB Date: 11.FEB.2021 01:42:45	/

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

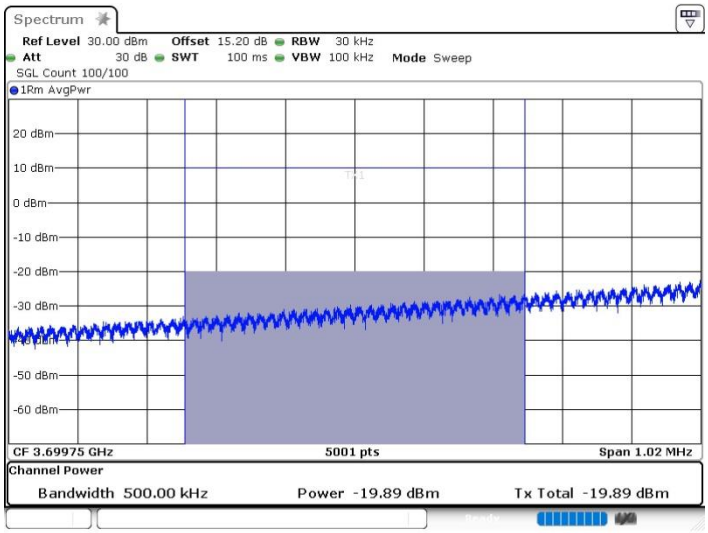


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69447 GHz	-33.97 dBm	-20.97 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69897 GHz	-27.45 dBm	-14.45 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69997 GHz	-13.92 dBm	-0.92 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.70132 GHz	16.08 dBm	-13.92 dB

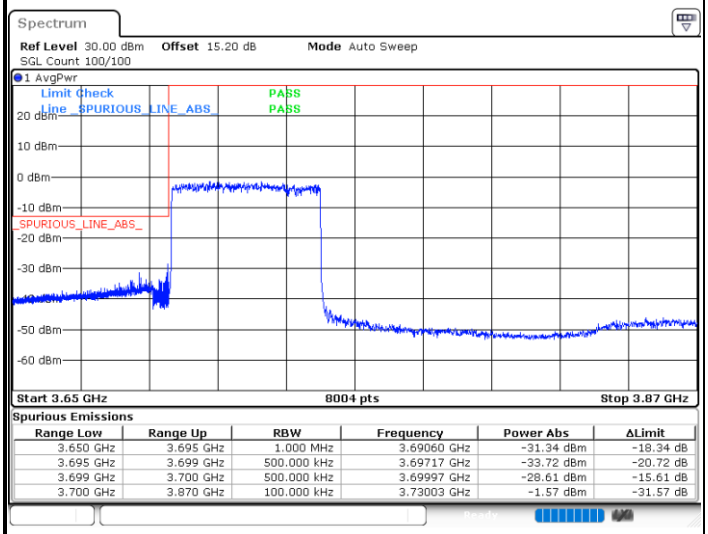
Date: 2.FEB.2021 14:14:55

Channel Power < -13dBm Pass



Date: 2.FEB.2021 14:15:49

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69060 GHz	-31.34 dBm	-18.34 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69717 GHz	-33.72 dBm	-20.72 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69997 GHz	-28.61 dBm	-15.61 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.73003 GHz	-1.57 dBm	-31.57 dB

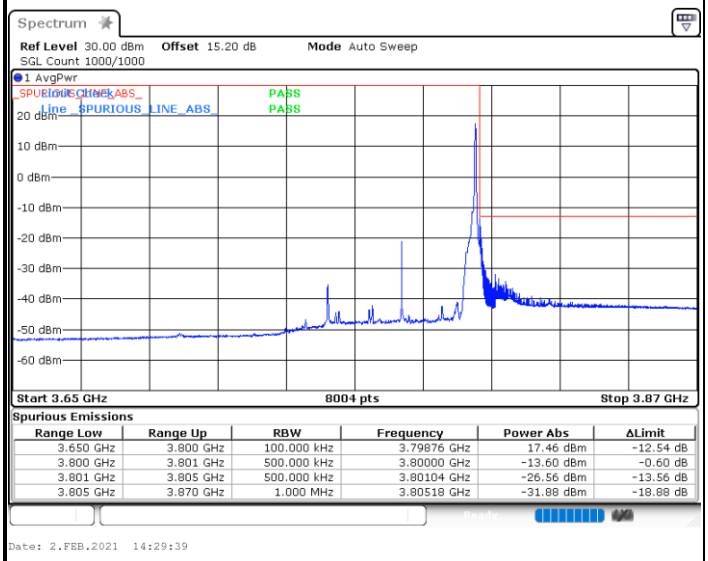
Date: 2.FEB.2021 14:21:26

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

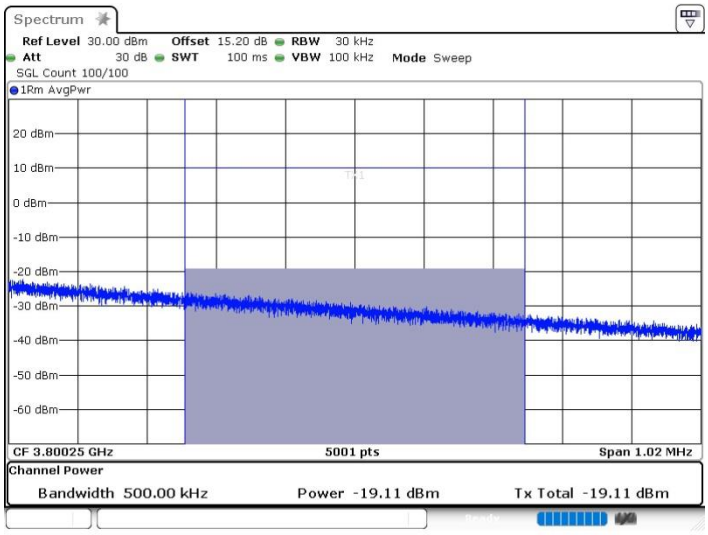


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.79876 GHz	17.46 dBm	-12.54 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80000 GHz	-13.60 dBm	-0.60 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80104 GHz	-26.56 dBm	-13.56 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80518 GHz	-31.88 dBm	-18.88 dB

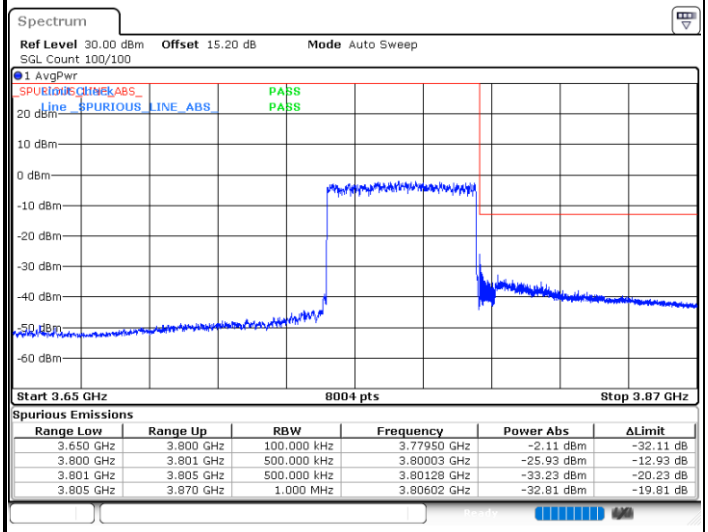
Date: 2.FEB.2021 14:29:39

Channel Power < -13dBm Pass



Date: 2.FEB.2021 14:30:30

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.77950 GHz	-2.11 dBm	-32.11 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80003 GHz	-25.93 dBm	-12.93 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80128 GHz	-33.23 dBm	-20.23 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80602 GHz	-32.81 dBm	-19.81 dB

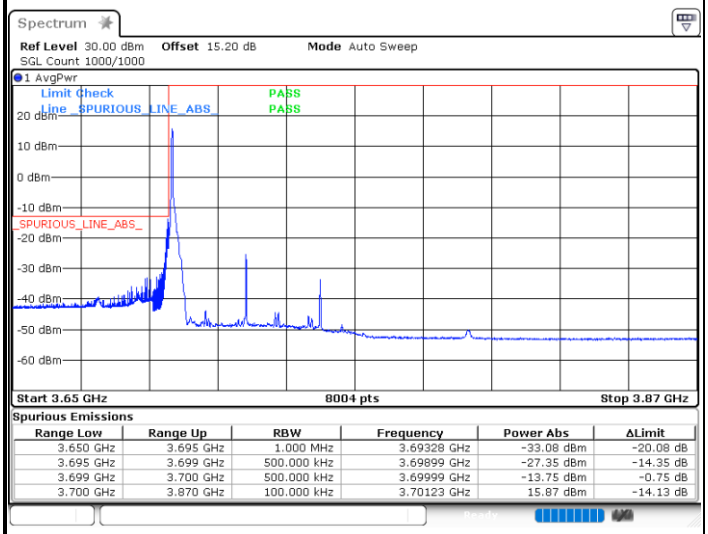
Date: 2.FEB.2021 14:33:39

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

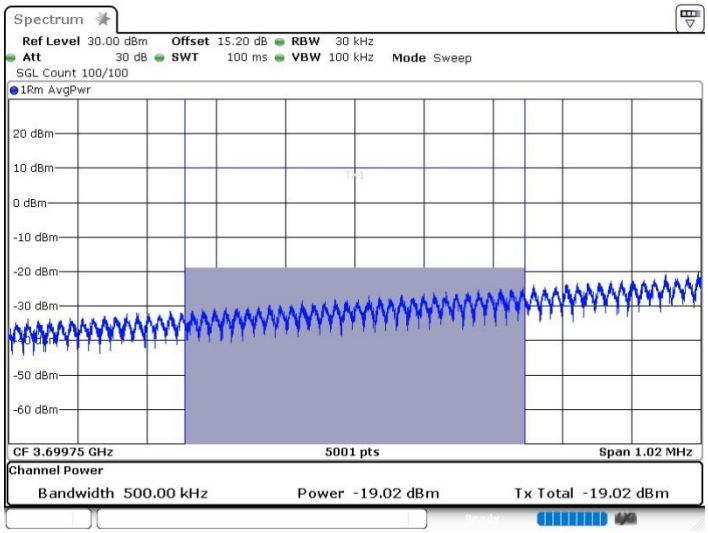


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69328 GHz	-33.08 dBm	-20.08 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69899 GHz	-27.35 dBm	-14.35 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69999 GHz	-13.75 dBm	-0.75 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.70123 GHz	15.87 dBm	-14.13 dB

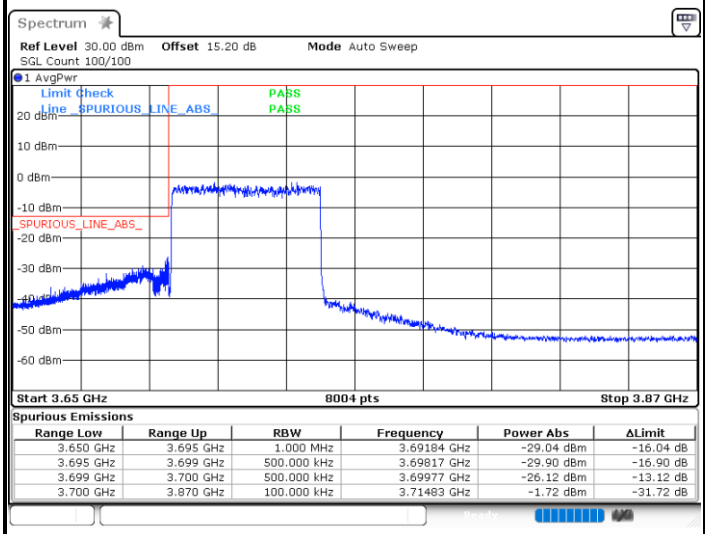
Date: 3.FEB.2021 04:56:45

Channel Power < -13dBm Pass



Date: 3.FEB.2021 04:58:09

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69184 GHz	-29.04 dBm	-16.04 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69817 GHz	-29.90 dBm	-16.90 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69977 GHz	-26.12 dBm	-13.12 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.71483 GHz	-1.72 dBm	-31.72 dB

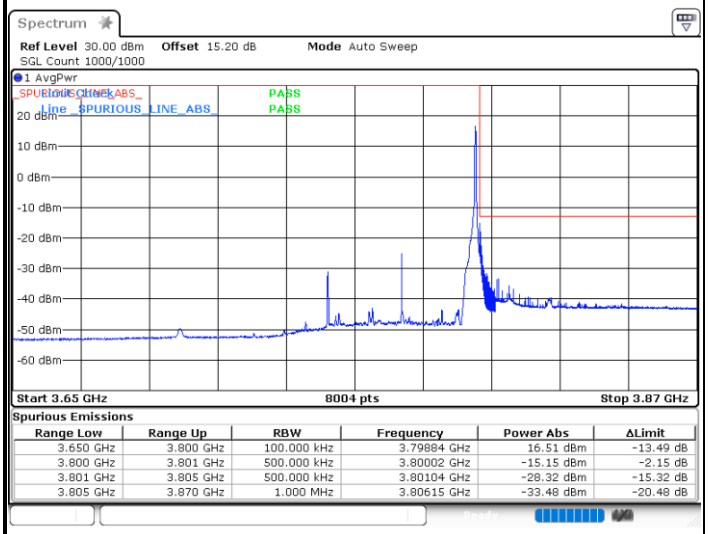
Date: 3.FEB.2021 05:00:20

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

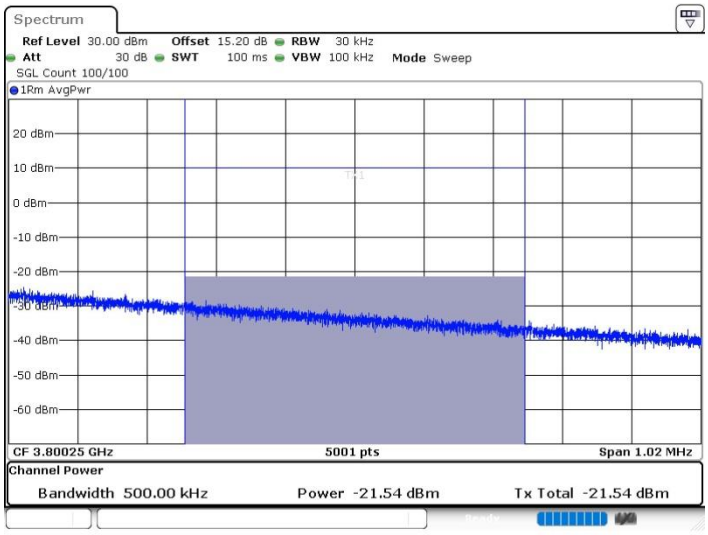


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.79884 GHz	16.51 dBm	-13.49 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80002 GHz	-15.15 dBm	-2.15 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80104 GHz	-28.32 dBm	-15.32 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80615 GHz	-33.48 dBm	-20.48 dB

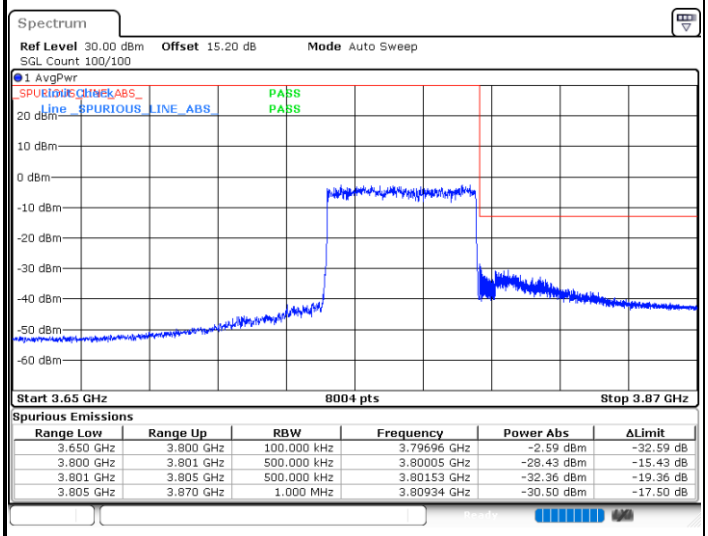
Date: 3.FEB.2021 05:05:07

Channel Power < -13dBm Pass



Date: 3.FEB.2021 05:08:25

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.79696 GHz	-2.59 dBm	-32.59 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80005 GHz	-28.43 dBm	-15.43 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80153 GHz	-32.36 dBm	-19.36 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80934 GHz	-30.50 dBm	-17.50 dB

Date: 3.FEB.2021 05:04:10

Channel Power < -13dBm Pass

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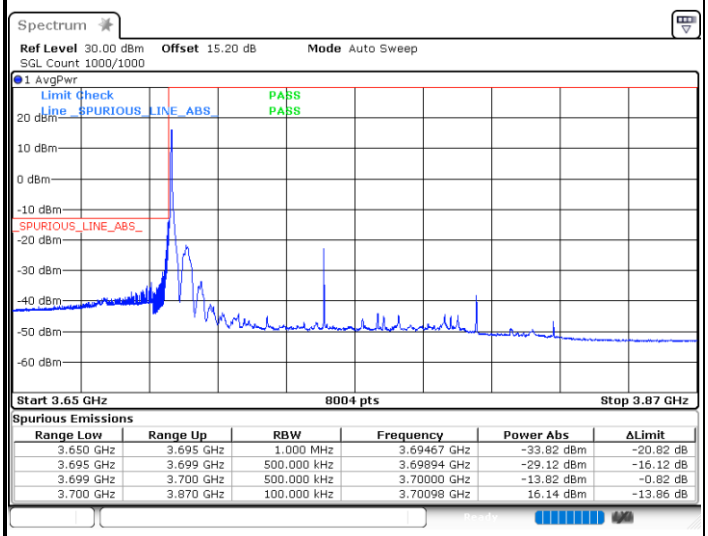
FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

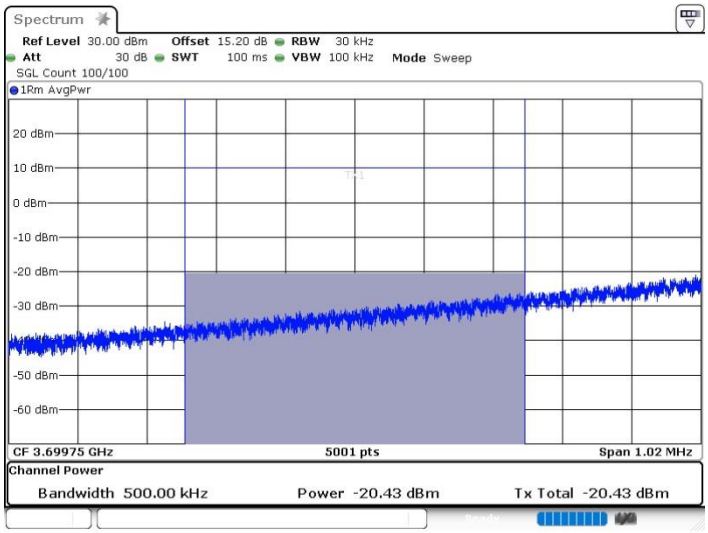


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69467 GHz	-33.82 dBm	-20.82 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69894 GHz	-29.12 dBm	-16.12 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.70000 GHz	-13.82 dBm	-0.82 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.70098 GHz	16.14 dBm	-13.86 dB

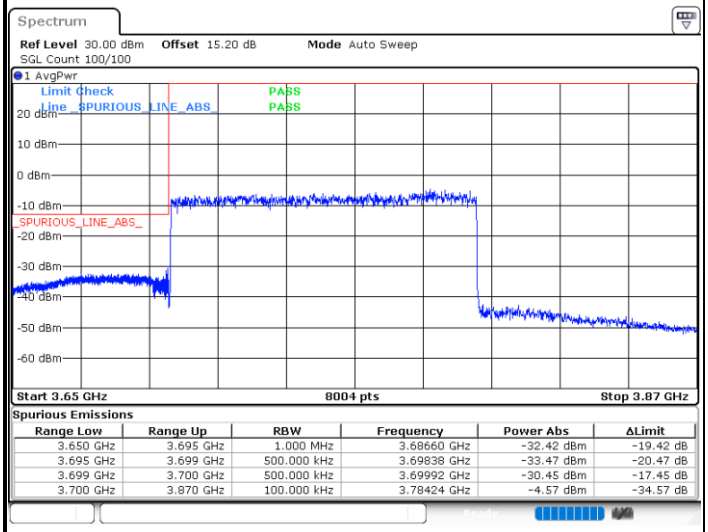
Date: 2.FEB.2021 13:48:15

Channel Power < -13dBm Pass



Date: 2.FEB.2021 13:50:07

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.68660 GHz	-32.42 dBm	-19.42 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69838 GHz	-33.47 dBm	-20.47 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69992 GHz	-30.45 dBm	-17.45 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.78424 GHz	-4.57 dBm	-34.57 dB

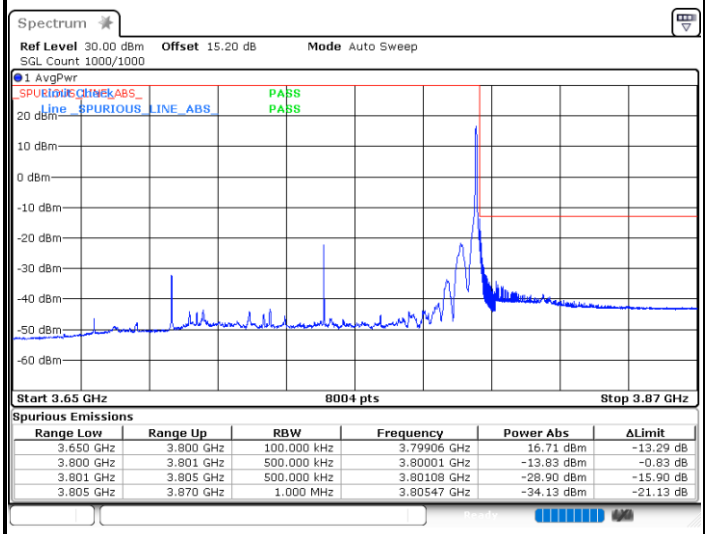
Date: 2.FEB.2021 13:58:21

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

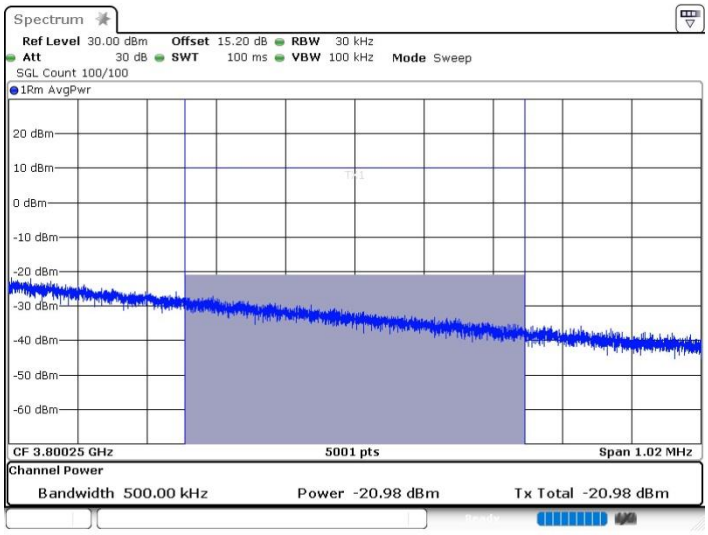


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.79906 GHz	16.71 dBm	-13.29 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80001 GHz	-13.83 dBm	-0.83 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80108 GHz	-28.90 dBm	-15.90 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80547 GHz	-34.13 dBm	-21.13 dB

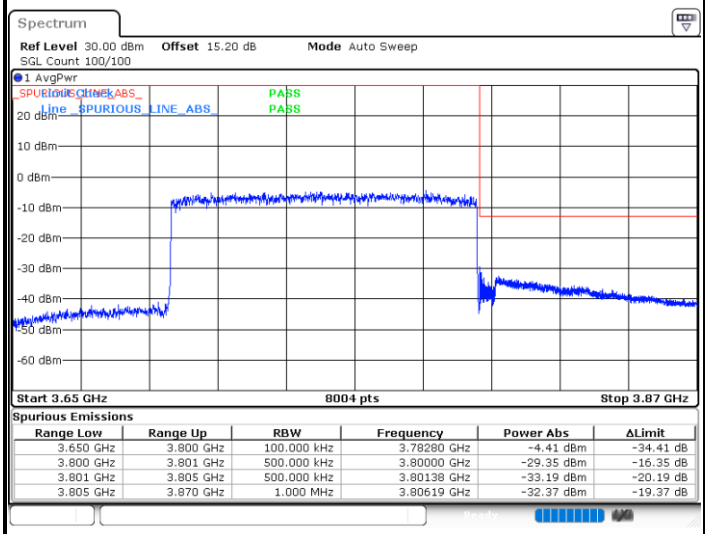
Date: 2.FEB.2021 14:03:44

Channel Power < -13dBm Pass



Date: 2.FEB.2021 14:04:49

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.78280 GHz	-4.41 dBm	-34.41 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80000 GHz	-29.35 dBm	-16.35 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80138 GHz	-33.19 dBm	-20.19 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80619 GHz	-32.37 dBm	-19.37 dB

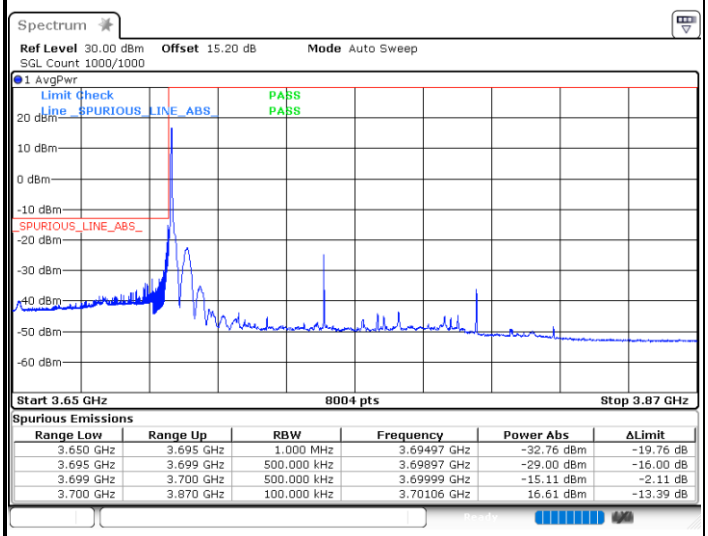
Date: 2.FEB.2021 13:59:25

Channel Power < -13dBm Pass

/

FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

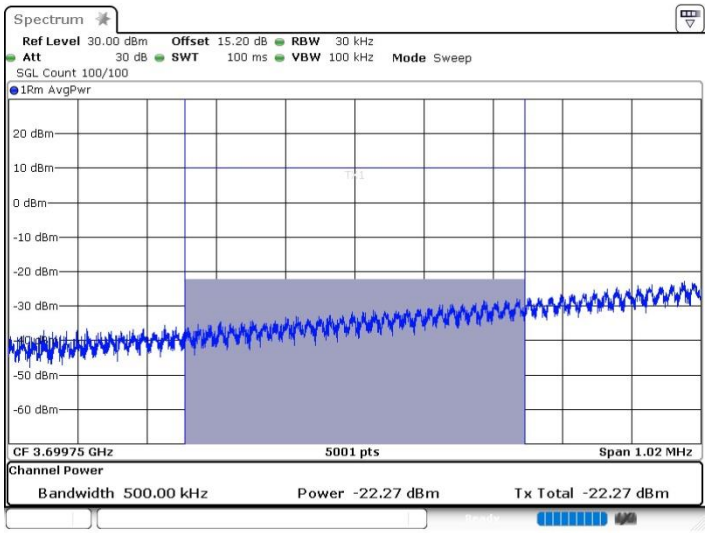


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69497 GHz	-32.76 dBm	-19.76 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69897 GHz	-29.00 dBm	-16.00 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69999 GHz	-15.11 dBm	-2.11 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.70106 GHz	16.61 dBm	-13.39 dB

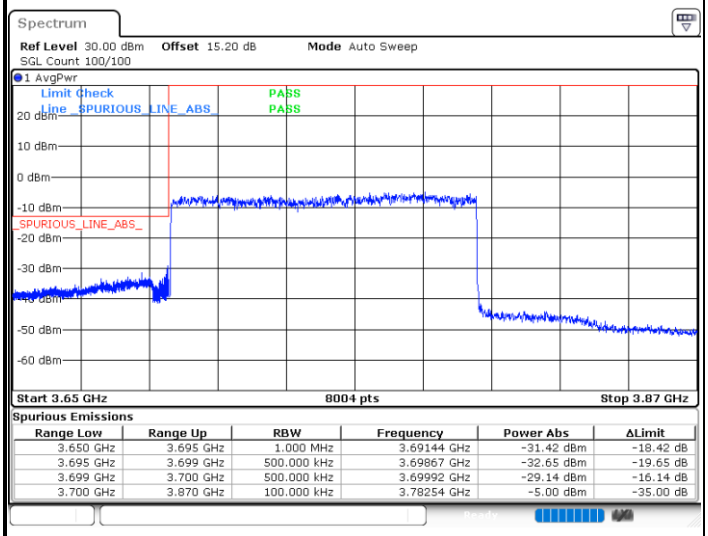
Date: 3.FEB.2021 04:31:09

Channel Power < -13dBm Pass



Date: 3.FEB.2021 04:32:45

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.695 GHz	1.000 MHz	3.69144 GHz	-31.42 dBm	-18.42 dB
3.695 GHz	3.699 GHz	500.000 kHz	3.69867 GHz	-32.65 dBm	-19.65 dB
3.699 GHz	3.700 GHz	500.000 kHz	3.69992 GHz	-29.14 dBm	-16.14 dB
3.700 GHz	3.870 GHz	100.000 kHz	3.78254 GHz	-5.00 dBm	-35.00 dB

Date: 3.FEB.2021 04:34:08

Channel Power < -13dBm Pass

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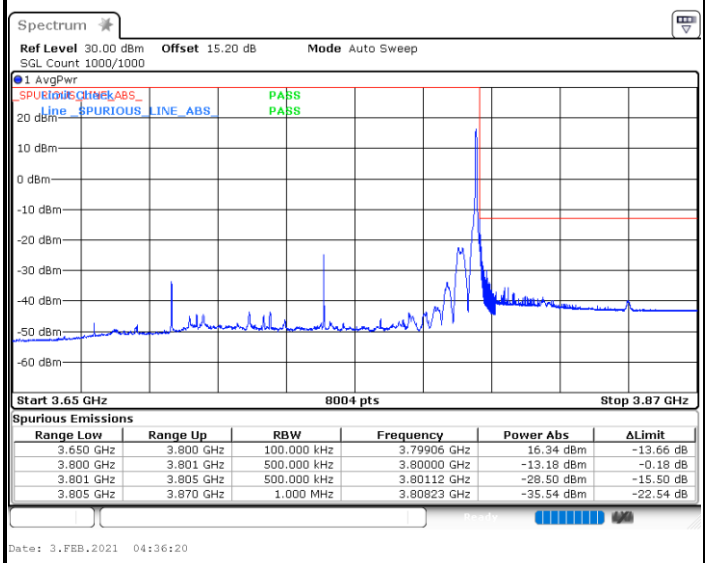
FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

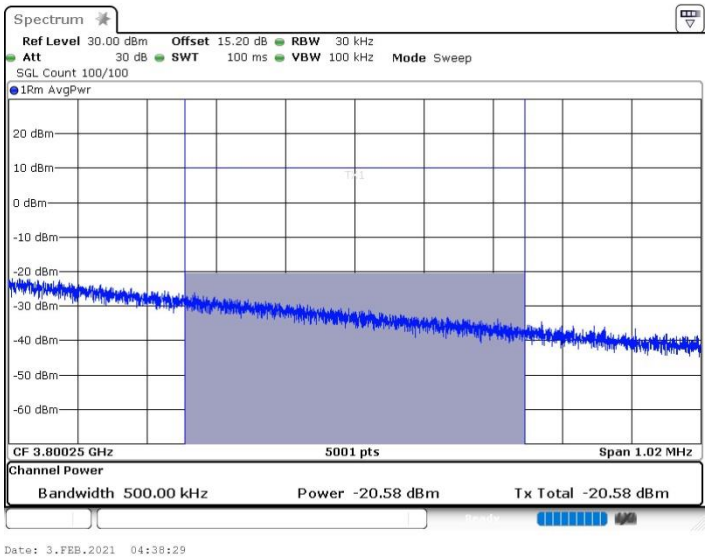


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.79906 GHz	16.34 dBm	-13.66 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80000 GHz	-13.18 dBm	-0.18 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80112 GHz	-28.50 dBm	-15.50 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80823 GHz	-35.54 dBm	-22.54 dB

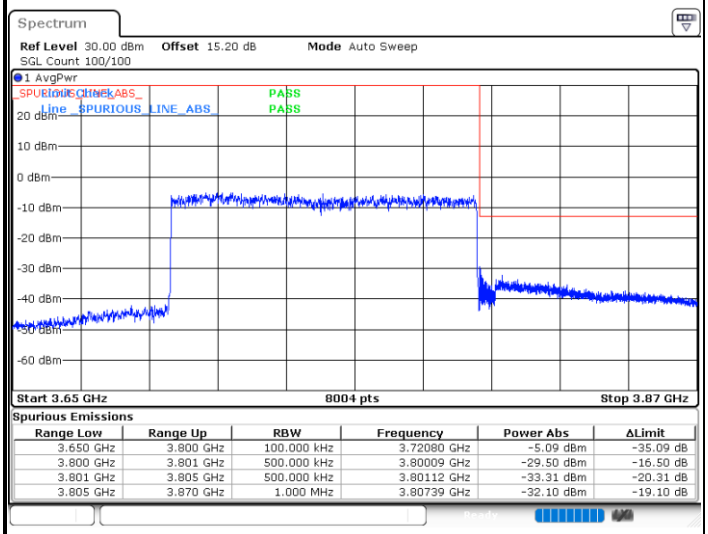
Date: 3.FEB.2021 04:36:20

Channel Power < -13dBm Pass



Date: 3.FEB.2021 04:38:29

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.650 GHz	3.800 GHz	100.000 kHz	3.72080 GHz	-5.09 dBm	-35.09 dB
3.800 GHz	3.801 GHz	500.000 kHz	3.80009 GHz	-29.50 dBm	-16.50 dB
3.801 GHz	3.805 GHz	500.000 kHz	3.80112 GHz	-33.31 dBm	-20.31 dB
3.805 GHz	3.870 GHz	1.000 MHz	3.80739 GHz	-32.10 dBm	-19.10 dB

Date: 3.FEB.2021 04:34:23

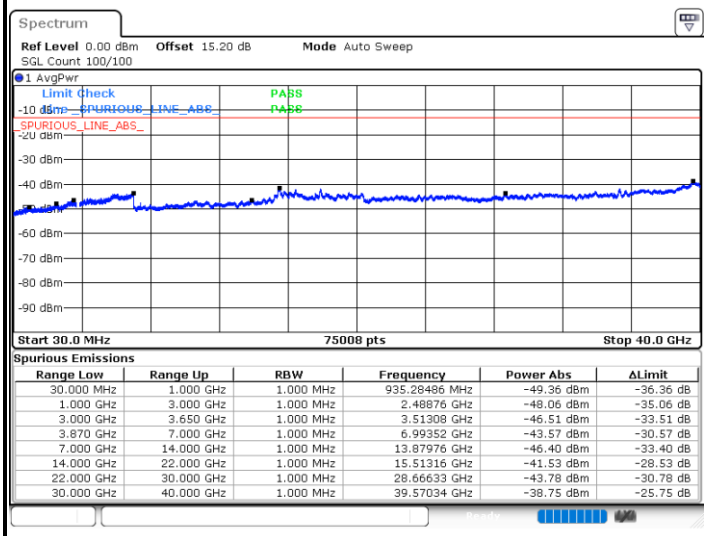
Channel Power < -13dBm Pass

/

Conducted Spurious Emission

FR1 UL-MIMO n78 / 10MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

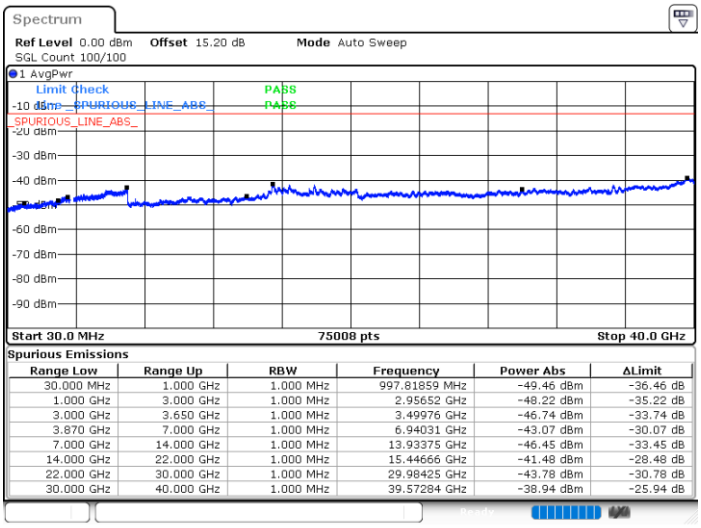


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-49.36 dBm	-36.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.48876 GHz	-48.06 dBm	-35.06 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.51308 GHz	-46.51 dBm	-33.51 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.99352 GHz	-43.57 dBm	-30.57 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.87976 GHz	-46.40 dBm	-33.40 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.51316 GHz	-41.53 dBm	-28.53 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.66633 GHz	-43.78 dBm	-30.78 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57034 GHz	-38.75 dBm	-25.75 dB

Date: 2.FEB.2021 14:56:25

Middle Channel / 1RB

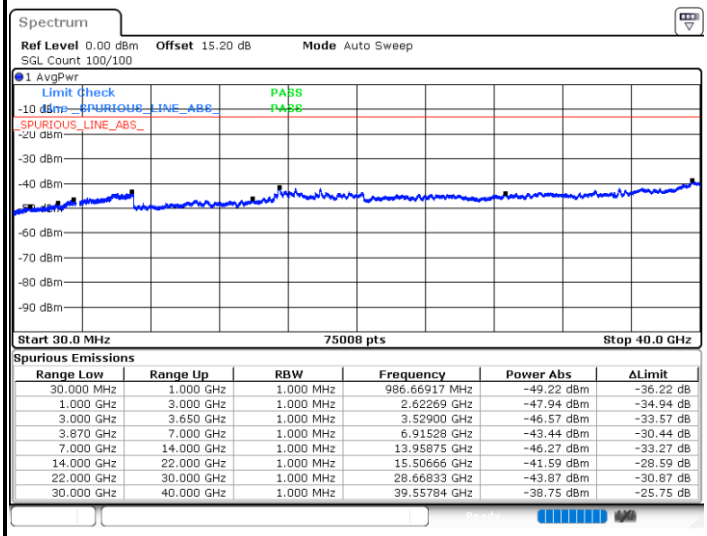


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-49.46 dBm	-36.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95652 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.49976 GHz	-46.74 dBm	-33.74 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.94031 GHz	-43.07 dBm	-30.07 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.93375 GHz	-46.45 dBm	-33.45 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.44666 GHz	-41.48 dBm	-28.48 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.98425 GHz	-43.78 dBm	-30.78 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57284 GHz	-38.94 dBm	-25.94 dB

Date: 2.FEB.2021 15:12:51

Highest Channel / 1RB



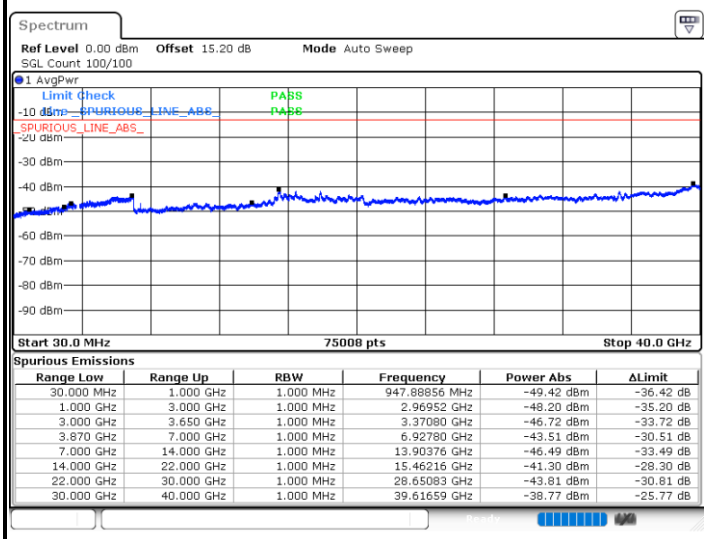
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-49.22 dBm	-36.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62269 GHz	-47.94 dBm	-34.94 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.52900 GHz	-46.57 dBm	-33.57 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91528 GHz	-43.44 dBm	-30.44 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.95875 GHz	-46.27 dBm	-33.27 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50666 GHz	-41.59 dBm	-28.59 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.66833 GHz	-43.87 dBm	-30.87 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.55784 GHz	-38.75 dBm	-25.75 dB

Date: 2.FEB.2021 15:35:01

FR1 UL-MIMO n78 / 10MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

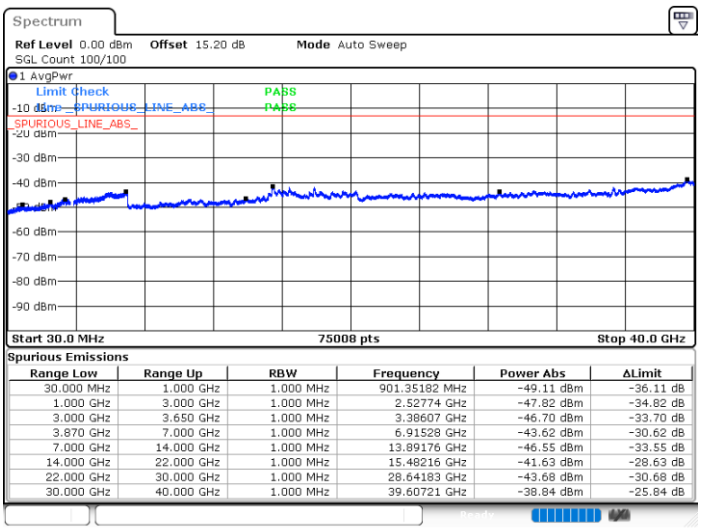


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-49.42 dBm	-36.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96952 GHz	-48.20 dBm	-35.20 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.37080 GHz	-46.72 dBm	-33.72 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.92780 GHz	-43.51 dBm	-30.51 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.90376 GHz	-46.49 dBm	-33.49 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.46216 GHz	-41.30 dBm	-28.30 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65083 GHz	-43.81 dBm	-30.81 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.61659 GHz	-38.77 dBm	-25.77 dB

Date: 3.FEB.2021 05:43:51

Middle Channel / 1RB

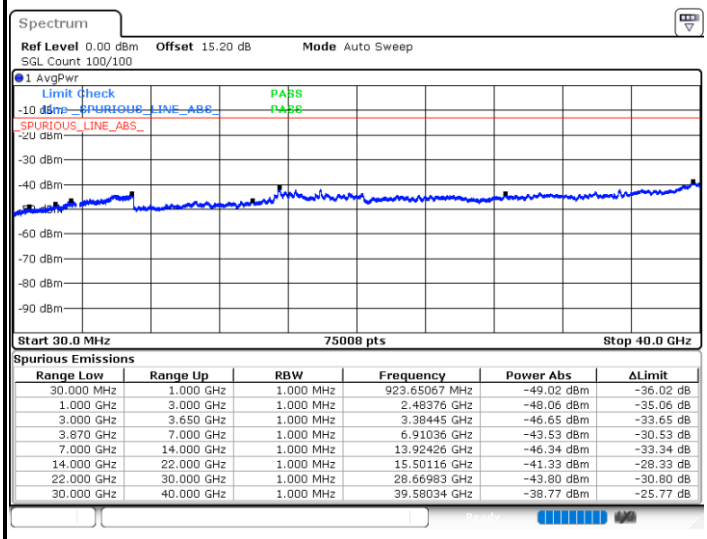


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-49.11 dBm	-36.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52774 GHz	-47.82 dBm	-34.82 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.38607 GHz	-46.70 dBm	-33.70 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91528 GHz	-43.62 dBm	-30.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.89176 GHz	-46.55 dBm	-33.55 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.48216 GHz	-41.63 dBm	-28.63 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64183 GHz	-43.68 dBm	-30.68 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.60721 GHz	-38.84 dBm	-25.84 dB

Date: 3.FEB.2021 05:35:05

Highest Channel / 1RB



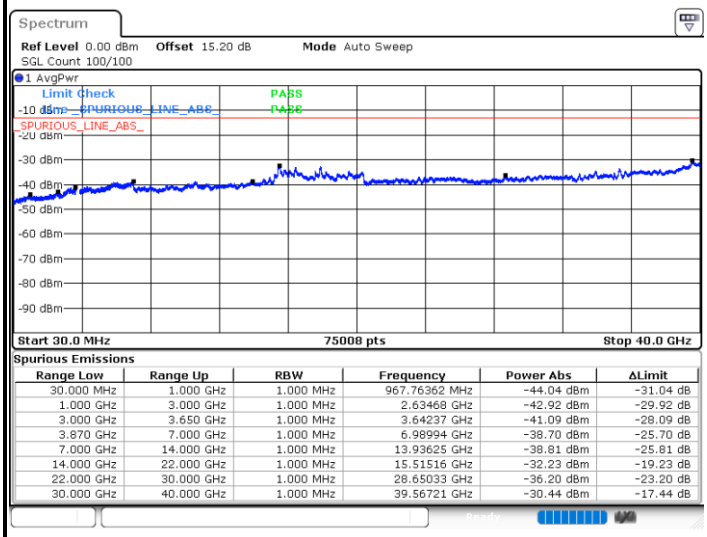
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.65067 MHz	-49.02 dBm	-36.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.48376 GHz	-48.06 dBm	-35.06 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.38445 GHz	-46.65 dBm	-33.65 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91036 GHz	-43.53 dBm	-30.53 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.92426 GHz	-46.34 dBm	-33.34 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50116 GHz	-41.33 dBm	-28.33 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.66983 GHz	-43.80 dBm	-30.80 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.58034 GHz	-38.77 dBm	-25.77 dB

Date: 3.FEB.2021 06:01:39

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

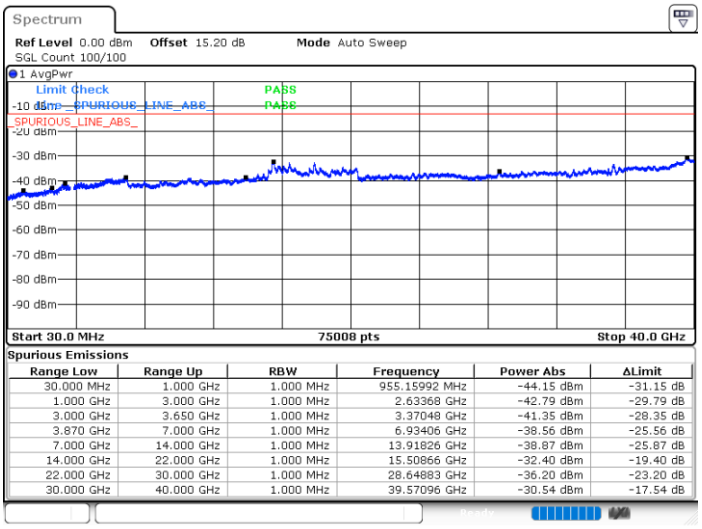


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-44.04 dBm	-31.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63468 GHz	-42.92 dBm	-29.92 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.64237 GHz	-41.09 dBm	-28.09 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.98994 GHz	-38.70 dBm	-25.70 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.93625 GHz	-38.81 dBm	-25.81 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.51516 GHz	-32.23 dBm	-19.23 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65033 GHz	-36.20 dBm	-23.20 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.56721 GHz	-30.44 dBm	-17.44 dB

Date: 2.FEB.2021 14:17:20

Middle Channel / 1RB

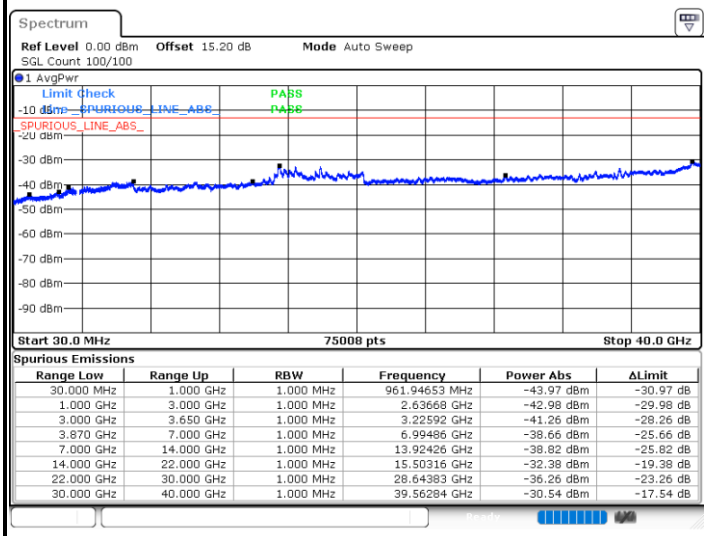


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63368 GHz	-42.79 dBm	-29.79 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.37048 GHz	-41.35 dBm	-28.35 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.93406 GHz	-38.56 dBm	-25.56 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.91826 GHz	-38.87 dBm	-25.87 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50866 GHz	-32.40 dBm	-19.40 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64883 GHz	-36.20 dBm	-23.20 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57096 GHz	-30.54 dBm	-17.54 dB

Date: 2.FEB.2021 14:23:19

Highest Channel / 1RB



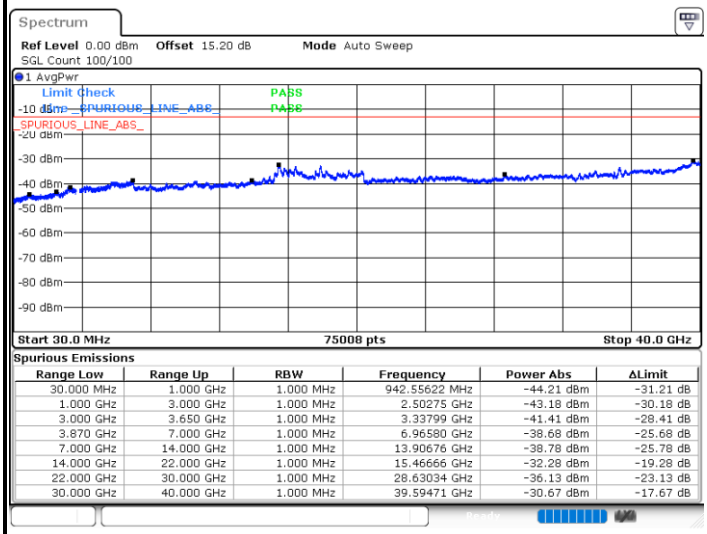
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-43.97 dBm	-30.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63668 GHz	-42.98 dBm	-29.98 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.22592 GHz	-41.26 dBm	-28.26 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.99486 GHz	-38.66 dBm	-25.66 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.92426 GHz	-38.82 dBm	-25.82 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50316 GHz	-32.38 dBm	-19.38 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64383 GHz	-36.26 dBm	-23.26 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.56284 GHz	-30.54 dBm	-17.54 dB

Date: 2.FEB.2021 14:27:42

FR1 UL-MIMO n78 / 50MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

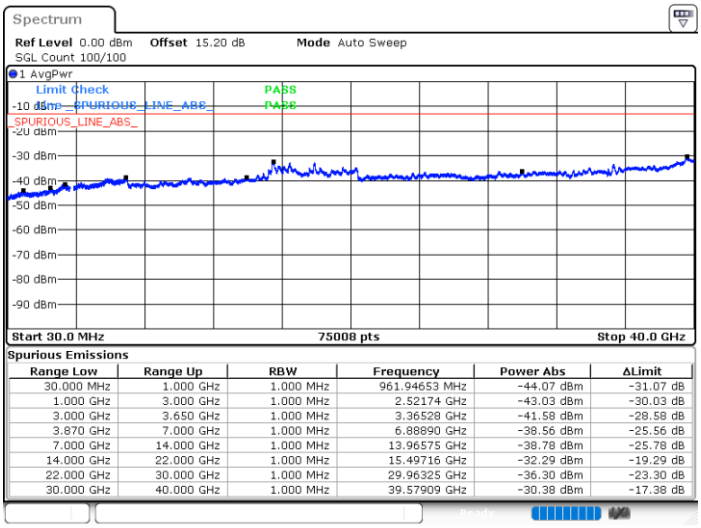


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-44.21 dBm	-31.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50275 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.33799 GHz	-41.41 dBm	-28.41 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.96580 GHz	-38.68 dBm	-25.68 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.90676 GHz	-38.78 dBm	-25.78 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.46666 GHz	-32.28 dBm	-19.28 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.63034 GHz	-36.13 dBm	-23.13 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.59471 GHz	-30.67 dBm	-17.67 dB

Date: 3.FEB.2021 04:52:22

Middle Channel / 1RB

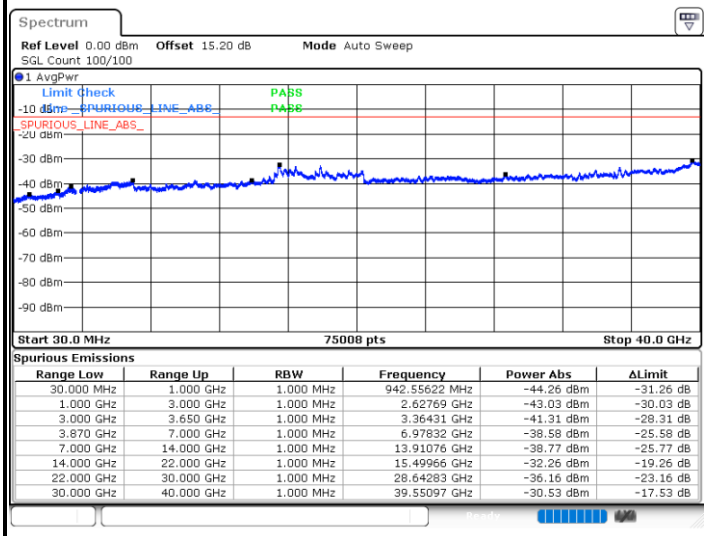


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-44.07 dBm	-31.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52174 GHz	-43.03 dBm	-30.03 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.36528 GHz	-41.58 dBm	-28.58 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.88890 GHz	-38.56 dBm	-25.56 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.96575 GHz	-38.78 dBm	-25.78 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.49716 GHz	-32.29 dBm	-19.29 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.96325 GHz	-36.30 dBm	-23.30 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57909 GHz	-30.38 dBm	-17.38 dB

Date: 3.FEB.2021 04:47:27

Highest Channel / 1RB



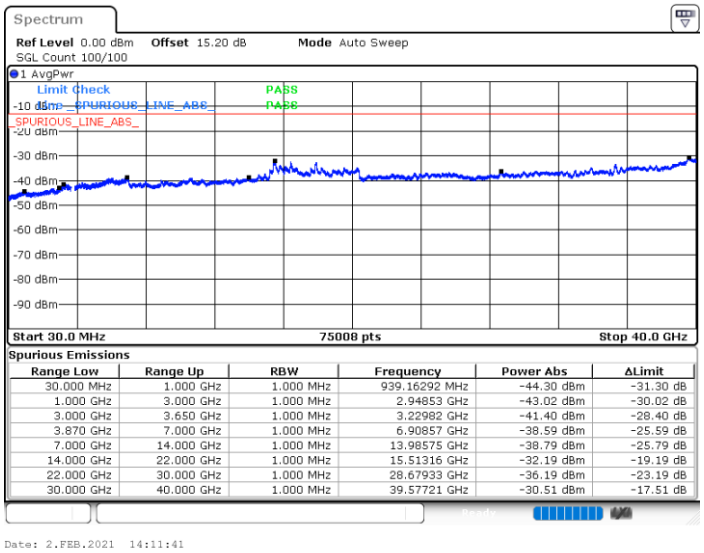
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-44.26 dBm	-31.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62769 GHz	-43.03 dBm	-30.03 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.36431 GHz	-41.31 dBm	-28.31 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.97832 GHz	-38.58 dBm	-25.58 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.91076 GHz	-38.77 dBm	-25.77 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.49966 GHz	-32.26 dBm	-19.26 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64283 GHz	-36.16 dBm	-23.16 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.55097 GHz	-30.53 dBm	-17.53 dB

Date: 3.FEB.2021 05:10:26

FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M2)

Middle Channel / 1RB

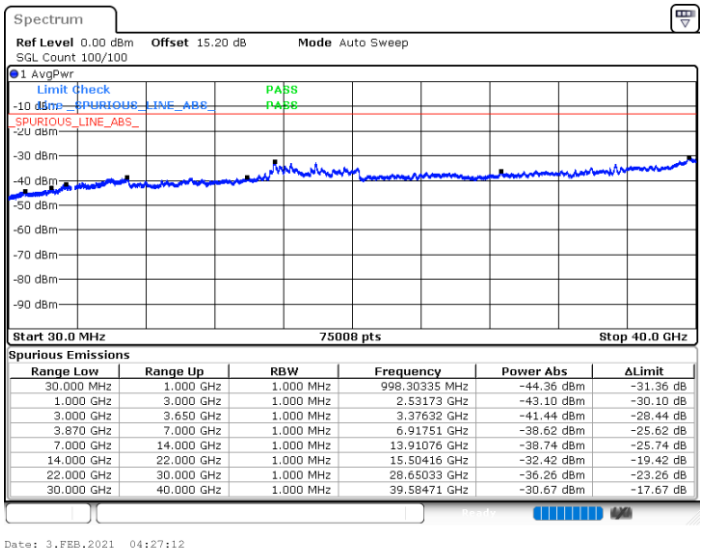


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-44.30 dBm	-31.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94853 GHz	-43.02 dBm	-30.02 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.22982 GHz	-41.40 dBm	-28.40 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.90857 GHz	-38.59 dBm	-25.59 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.98575 GHz	-38.79 dBm	-25.79 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.51316 GHz	-32.19 dBm	-19.19 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.67933 GHz	-36.19 dBm	-23.19 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57721 GHz	-30.51 dBm	-17.51 dB

FR1 UL-MIMO n78 / 100MHz / CP-OFDM QPSK (M)

Middle Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-44.36 dBm	-31.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.53173 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.37632 GHz	-41.44 dBm	-28.44 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91751 GHz	-38.62 dBm	-25.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.91076 GHz	-38.74 dBm	-25.74 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50416 GHz	-32.42 dBm	-19.42 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65033 GHz	-36.26 dBm	-23.26 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.58471 GHz	-30.67 dBm	-17.67 dB

Frequency Stability

Test Conditions		NR UL-MIMO n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0021	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0013	

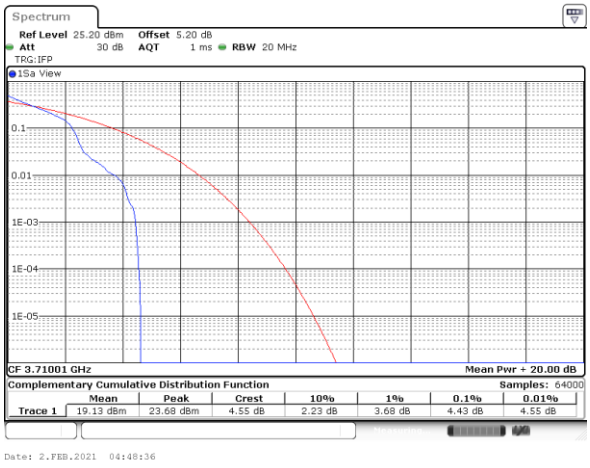
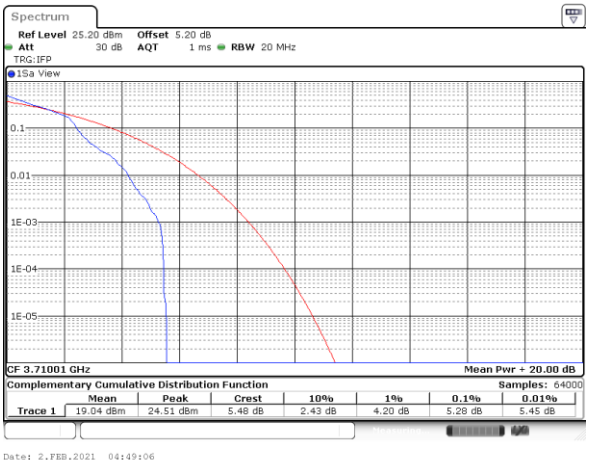
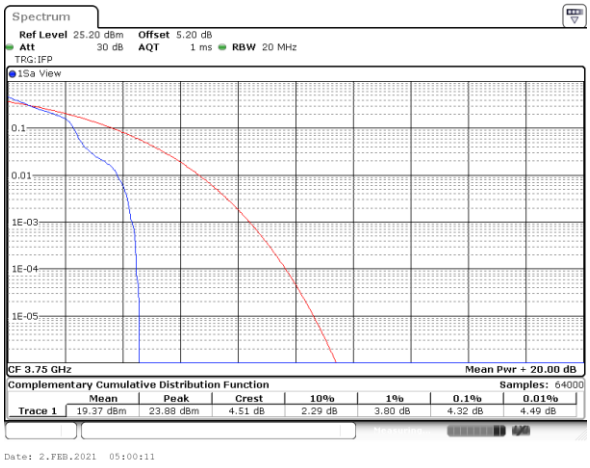
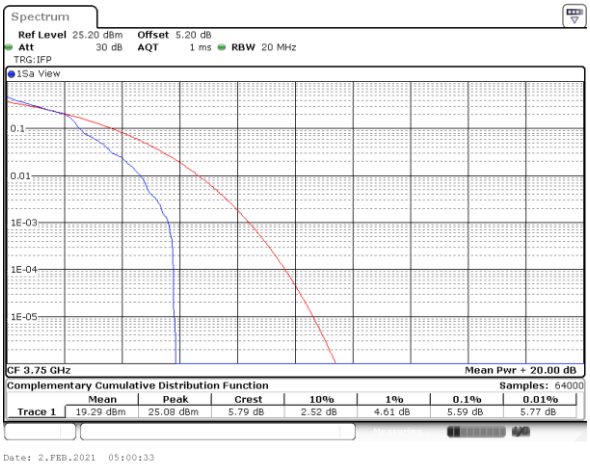
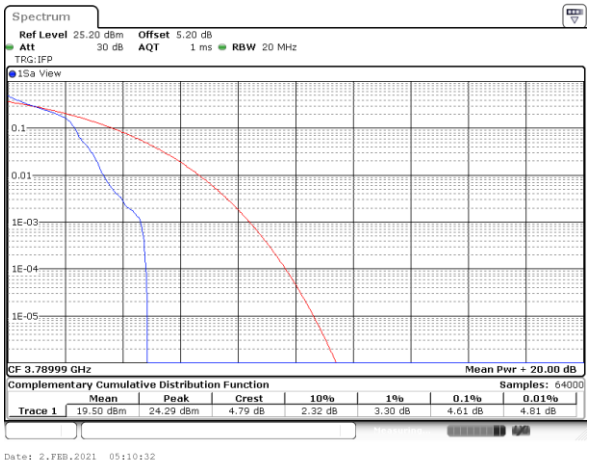
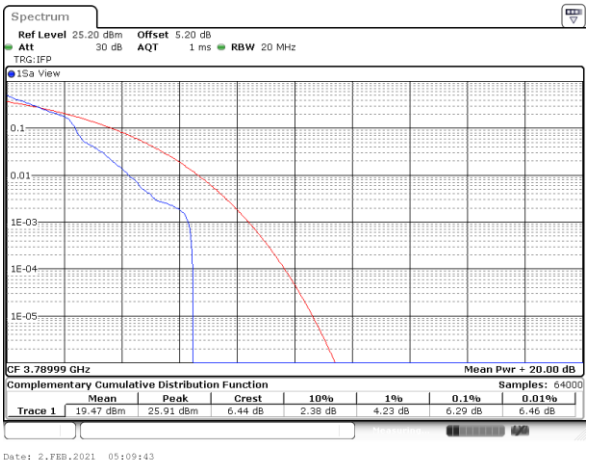
Note:

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 n78 NSA-SCS 15K

Peak-to-Average Ratio

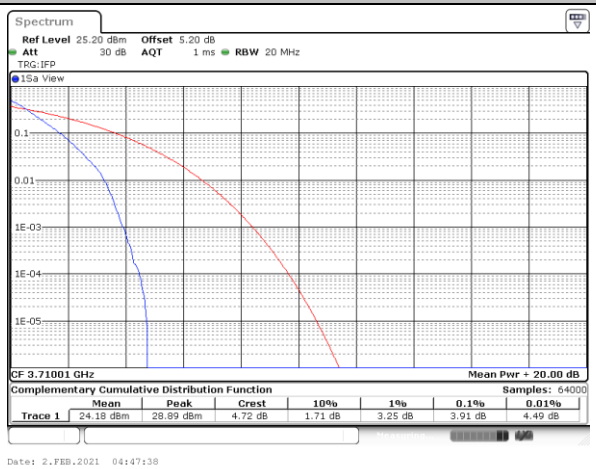
Mode	FR1 n78 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.43	3.91	5.28	5.42	PASS
Middle CH	4.32	3.86	5.59	5.39	
Highest CH	4.61	3.91	6.29	5.04	

FR1 n78 / 20MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / 1RB	**Lowest Channel / 1RB**
	
Middle Channel / 1 RB	**Middle Channel / 1 RB**
	
Highest Channel / 1 RB	**Highest Channel / 1 RB**
	

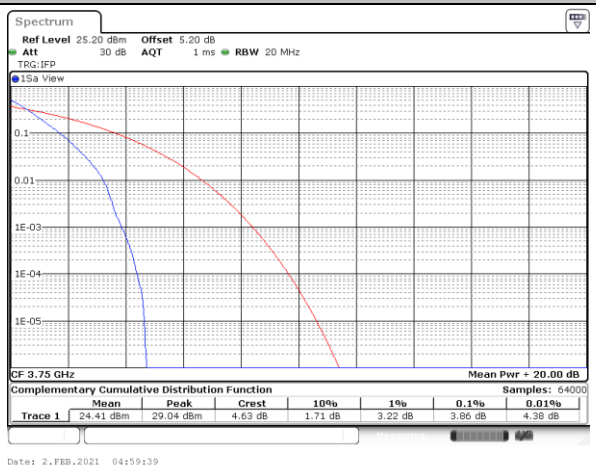
FR1 n78 / 20MHz / DFT-S OFDM

PI/2 BPSK

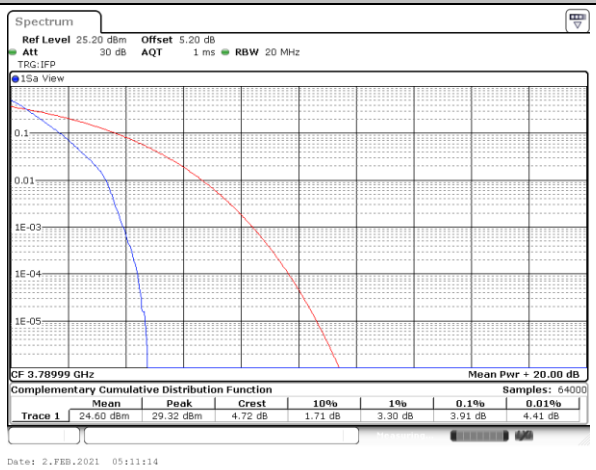
Lowest Channel / Full RB



Middle Channel / Full RB

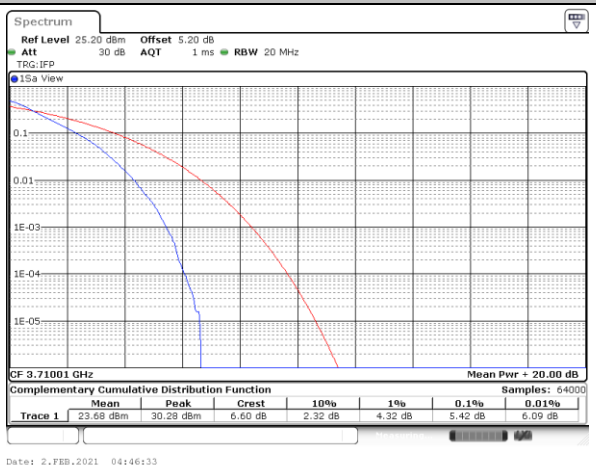


Highest Channel / Full RB

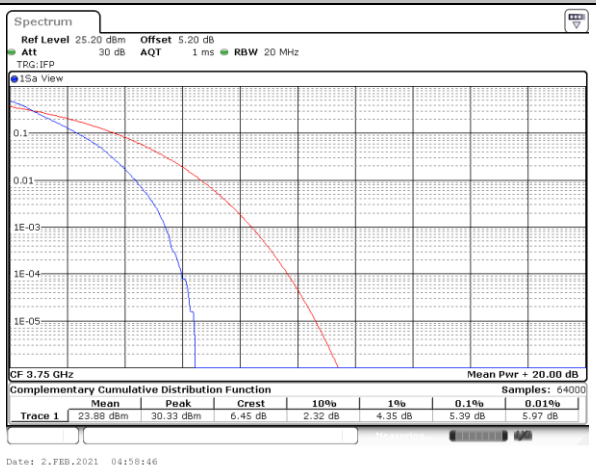


QPSK

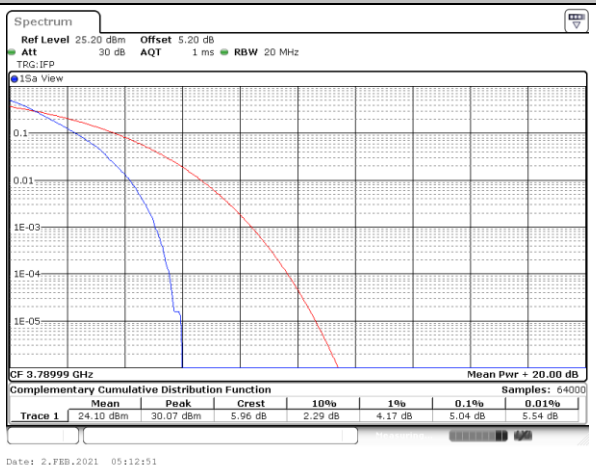
Lowest Channel / Full RB



Middle Channel / Full RB



Highest Channel / Full RB



26dB Bandwidth

Mode	FR1 n78 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.71	9.73	9.59	9.65				

Mode	FR1 n78 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.84	14.90	14.90	14.84				

Mode	FR1 n78 : 26dB BW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	19.7	19.86	19.94	19.78				