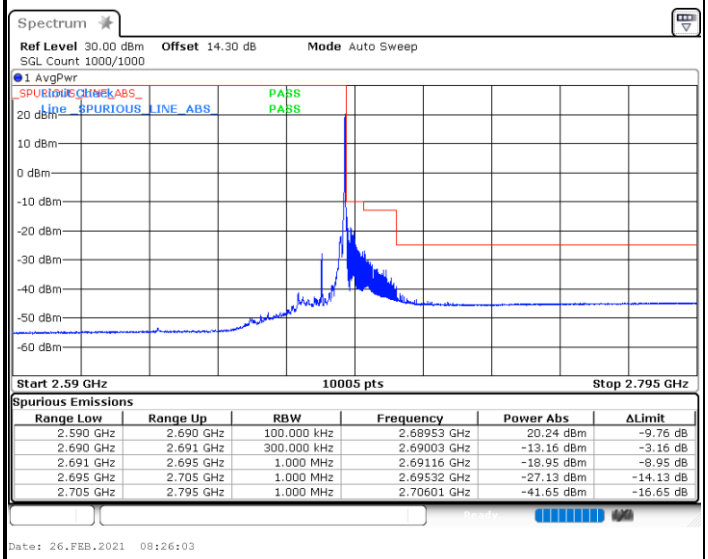
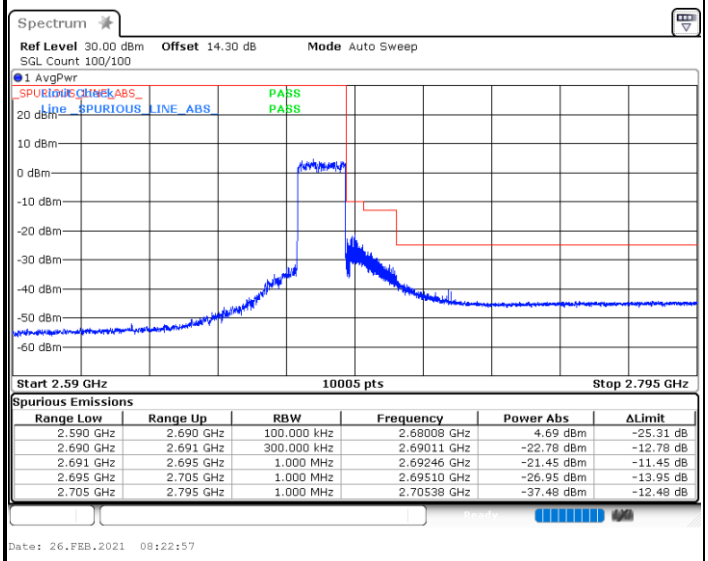
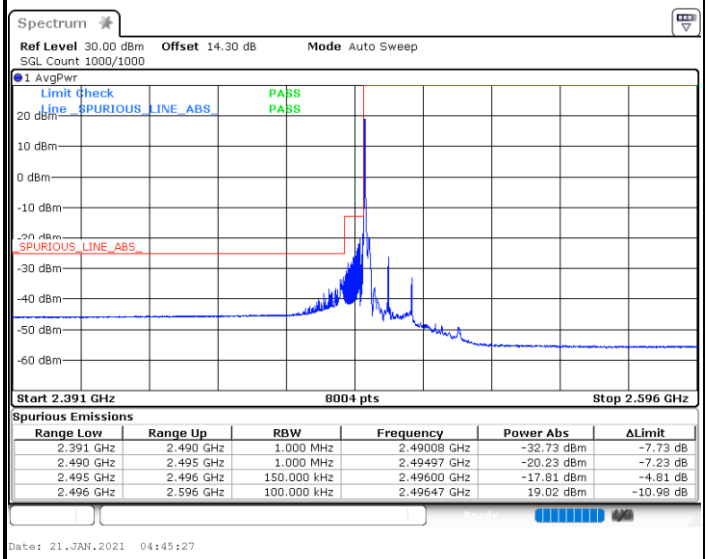
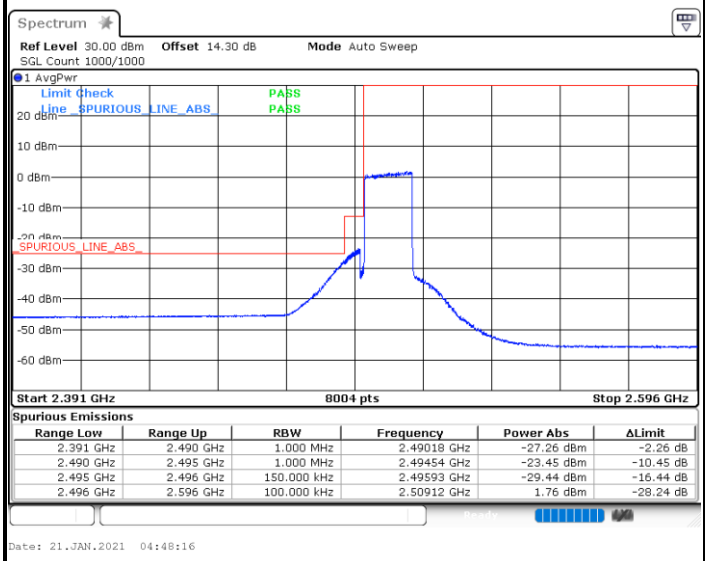
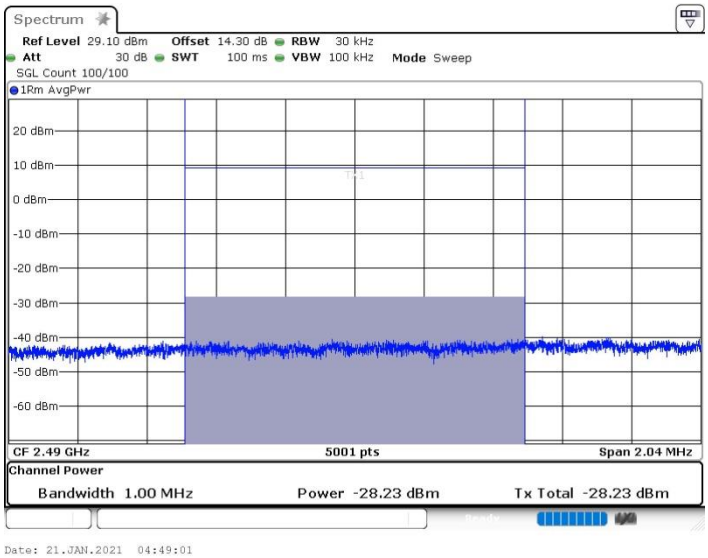
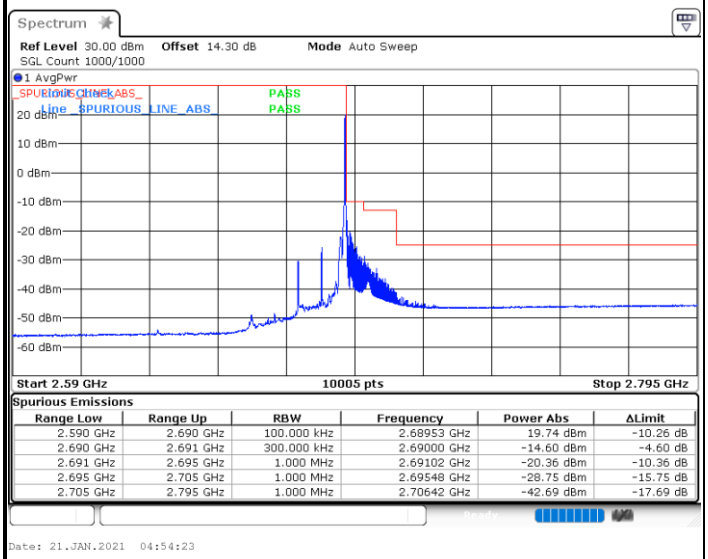
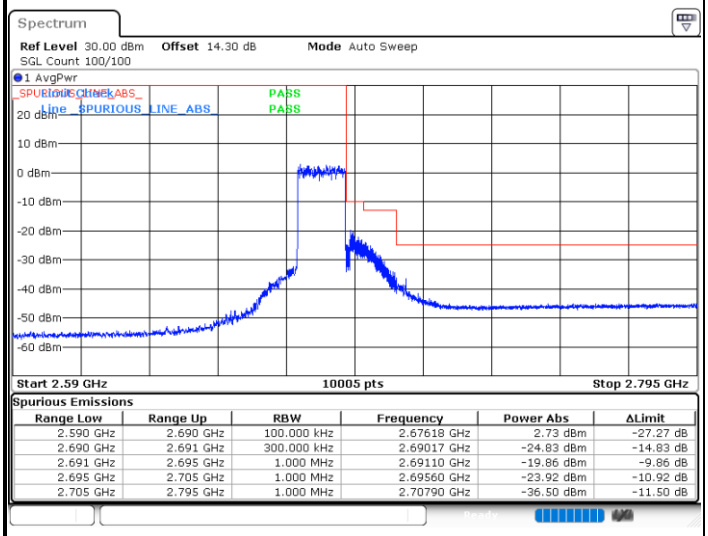
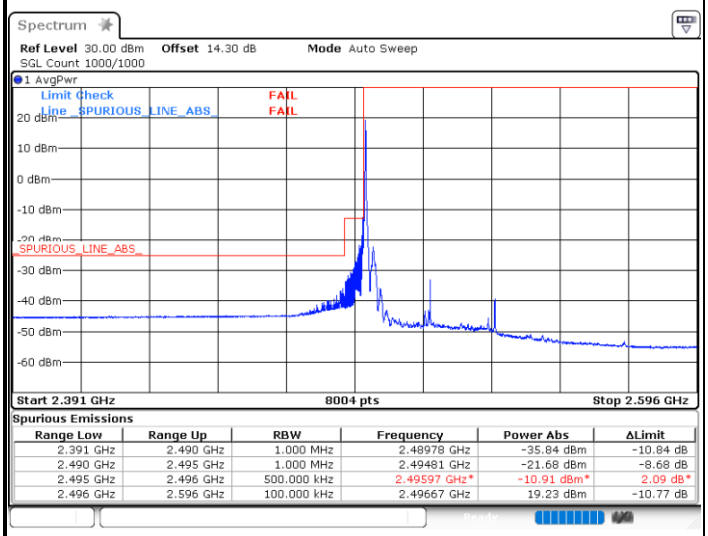
FR1 UL-MIMO n41 / 15MHz / CP-OFDM QPSK (M2)	
Highest Band Edge / 1 RB	**Channel Power < -10dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68953 GHz / 20.24 dBm / -9.76 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69003 GHz / -13.16 dBm / -3.16 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69116 GHz / -18.95 dBm / -8.95 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69532 GHz / -27.13 dBm / -14.13 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70601 GHz / -41.65 dBm / -16.65 dB Date: 26.FEB.2021 08:26:03	/
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 / 2.68008 GHz / 4.69 dBm / -25.31 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69011 GHz / -22.78 dBm / -12.78 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69246 GHz / -21.45 dBm / -11.45 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69510 GHz / -26.95 dBm / -13.95 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70538 GHz / -37.48 dBm / -12.48 dB Date: 26.FEB.2021 08:22:57	/

FR1 UL-MIMO n41 / 15MHz / CP-OFDM QPSK (M)	
Lowest Band Edge / 1 RB	**Channel Power < -25dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -25dBm Pass**
	

FR1 UL-MIMO n41 / 15MHz / CP-OFDM QPSK (M)	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68953 GHz / 19.74 dBm / -10.26 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69000 GHz / -14.60 dBm / -4.60 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69102 GHz / -20.36 dBm / -10.36 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69548 GHz / -28.75 dBm / -15.75 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70642 GHz / -42.69 dBm / -17.69 dB Date: 21.JAN.2021 04:54:23	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.67618 GHz / 2.73 dBm / -27.27 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69017 GHz / -24.83 dBm / -14.83 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69110 GHz / -19.86 dBm / -9.86 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69560 GHz / -23.92 dBm / -10.92 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70790 GHz / -36.50 dBm / -11.50 dB Date: 21.JAN.2021 04:51:35	/

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

Lowest Band Edge / 1 RB

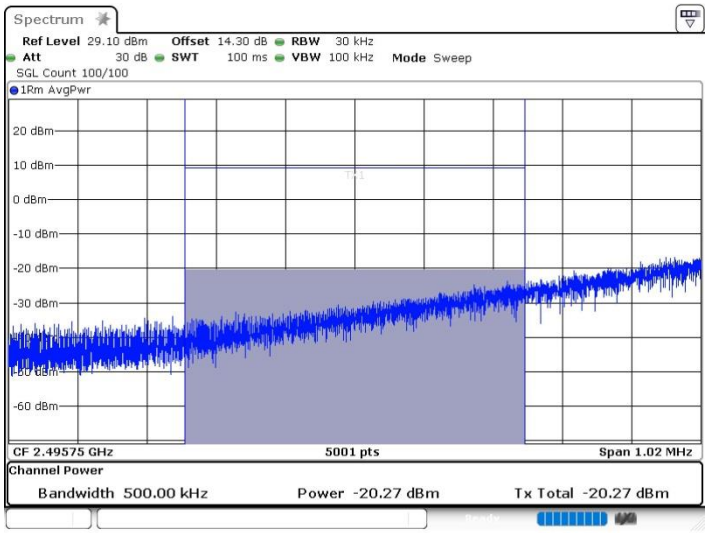


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48978 GHz	-35.84 dBm	-10.84 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49481 GHz	-21.68 dBm	-8.68 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49597 GHz*	-10.91 dBm*	2.09 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49667 GHz	19.23 dBm	-10.77 dB

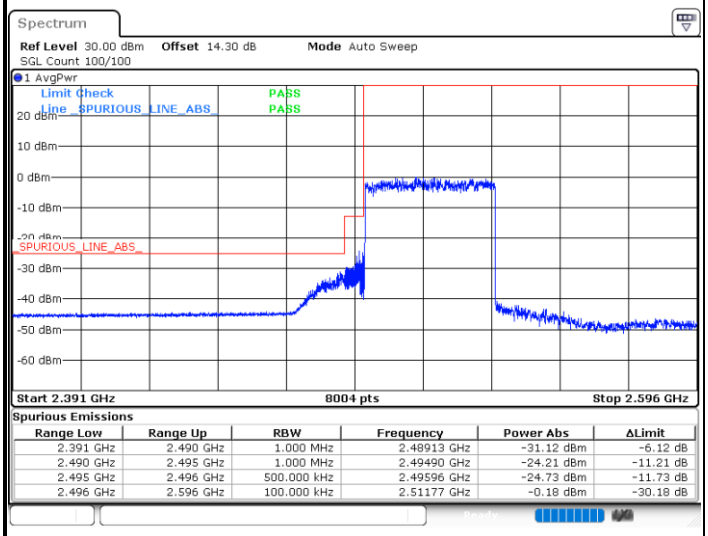
Date: 20.JAN.2021 08:02:10

Channel Power < -13dBm Pass



Date: 20.JAN.2021 08:03:13

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	-31.12 dBm	-6.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49490 GHz	-24.21 dBm	-11.21 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49596 GHz	-24.73 dBm	-11.73 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51177 GHz	-0.18 dBm	-30.18 dB

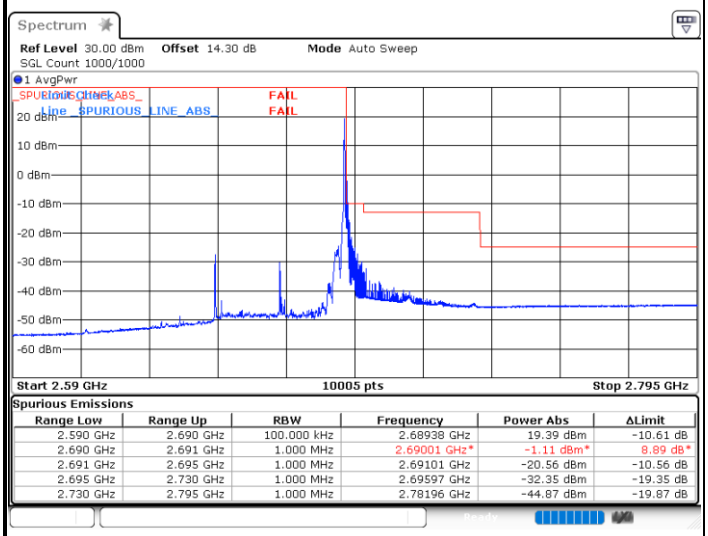
Date: 20.JAN.2021 07:59:33

Channel Power < -13dBm Pass

/

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

Highest Band Edge / 1 RB

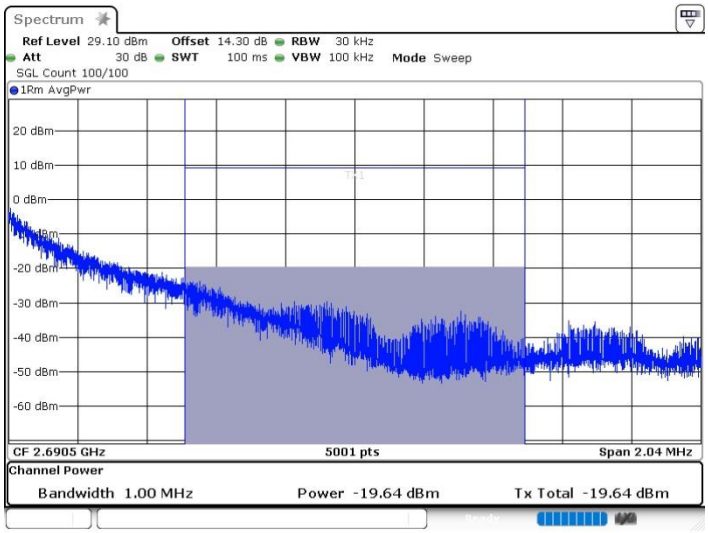


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68938 GHz	19.39 dBm	-10.61 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69001 GHz*	-1.11 dBm*	8.89 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-20.56 dBm	-10.56 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69597 GHz	-32.35 dBm	-19.35 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.78196 GHz	-44.87 dBm	-19.87 dB

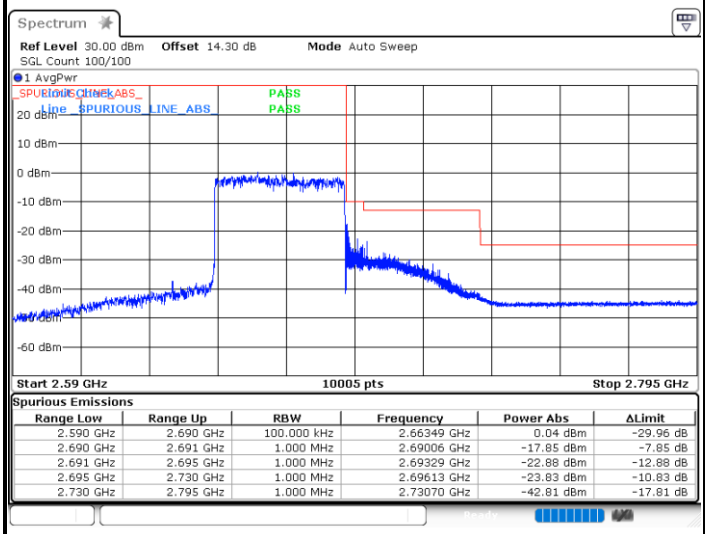
Date: 26.FEB.2021 11:43:45

Channel Power < -10dBm Pass



Date: 26.FEB.2021 11:45:46

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	2.66349 GHz	0.04 dBm	-29.96 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69006 GHz	-17.85 dBm	-7.85 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69329 GHz	-22.88 dBm	-12.88 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69613 GHz	-23.83 dBm	-10.83 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.73070 GHz	-42.81 dBm	-17.81 dB

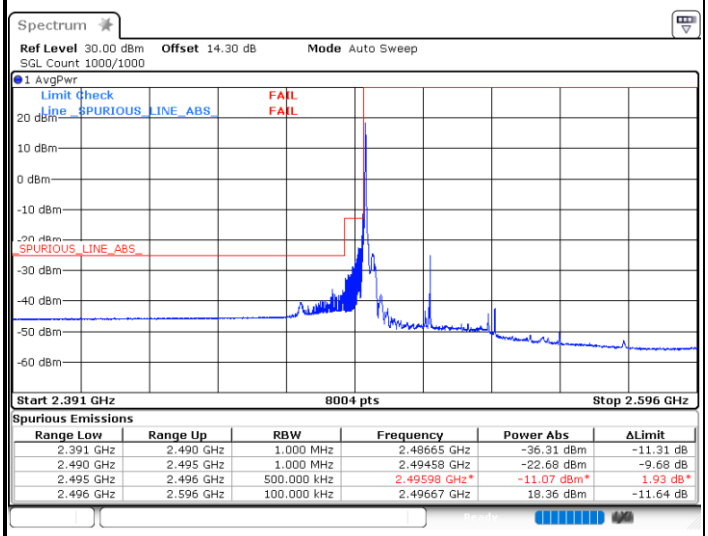
Date: 26.FEB.2021 11:48:45

Channel Power < -10dBm Pass

/

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

Lowest Band Edge / 1 RB

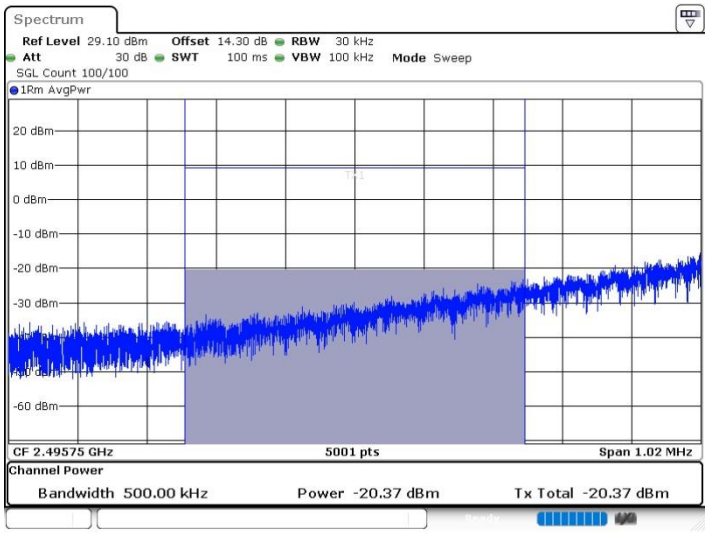


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48665 GHz	-36.31 dBm	-11.31 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49458 GHz	-22.68 dBm	-9.68 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49598 GHz*	-11.07 dBm*	1.93 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49667 GHz	18.36 dBm	-11.64 dB

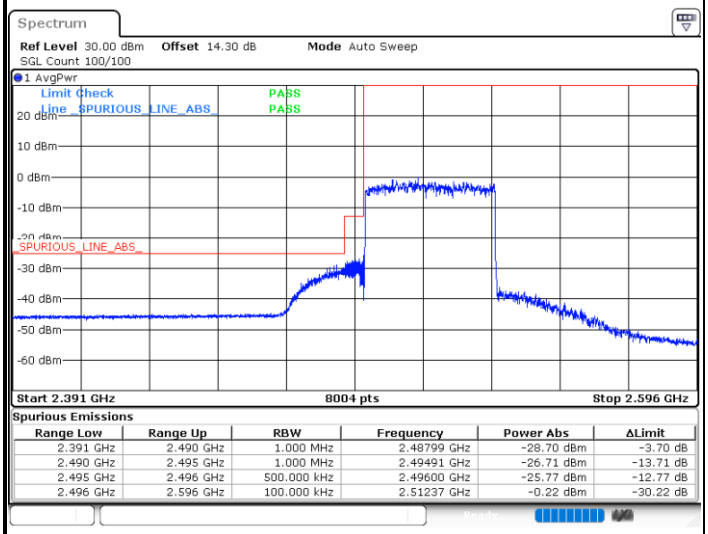
Date: 21.JAN.2021 04:12:08

Channel Power < -13dBm Pass



Date: 21.JAN.2021 04:14:29

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	2.48799 GHz	-28.70 dBm	-3.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-26.71 dBm	-13.71 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49600 GHz	-25.77 dBm	-12.77 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51237 GHz	-0.22 dBm	-30.22 dB

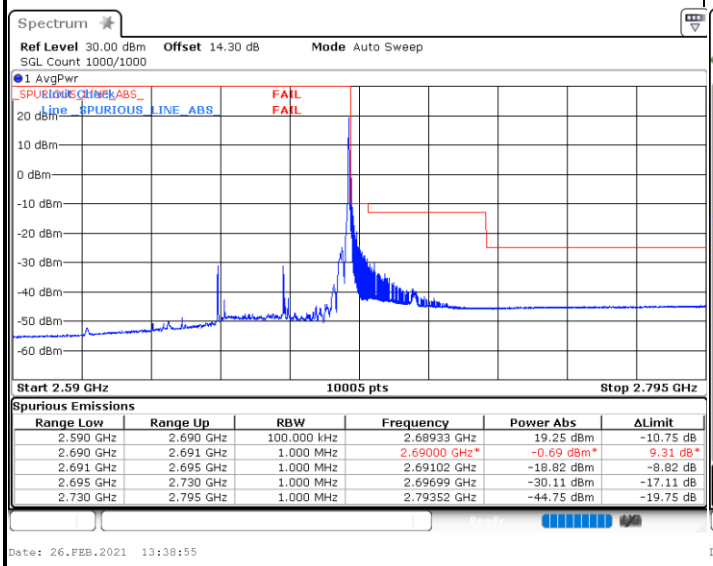
Date: 21.JAN.2021 04:12:31

Channel Power < -13dBm Pass

/

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

Highest Band Edge / 1 RB

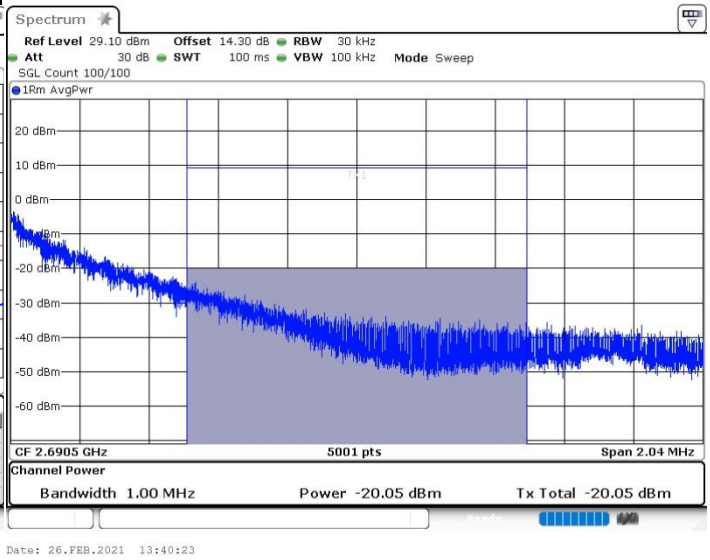


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68933 GHz	19.25 dBm	-10.75 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz*	-0.69 dBm*	9.31 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-18.82 dBm	-8.82 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69699 GHz	-30.11 dBm	-17.11 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.79352 GHz	-44.75 dBm	-19.75 dB

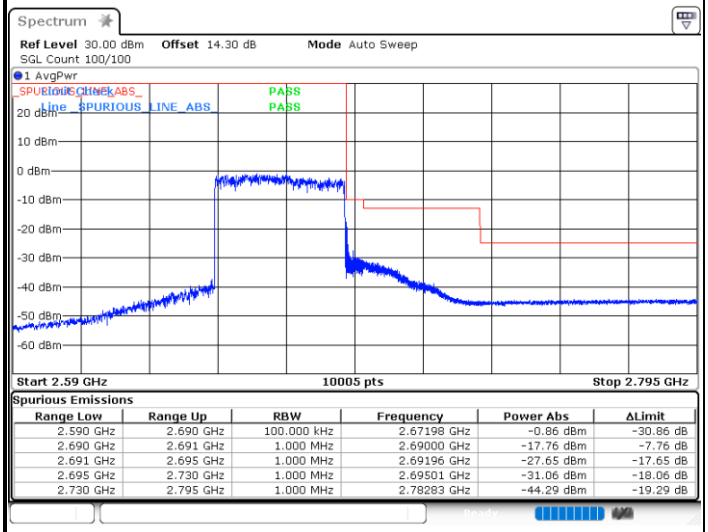
Date: 26.FEB.2021 13:38:55

Channel Power < -10dBm Pass



Date: 26.FEB.2021 13:40:23

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	2.67198 GHz	-0.86 dBm	-30.86 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz	-17.76 dBm	-7.76 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69196 GHz	-27.65 dBm	-17.65 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69501 GHz	-31.06 dBm	-18.06 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.78283 GHz	-44.29 dBm	-19.29 dB

Date: 26.FEB.2021 13:45:56

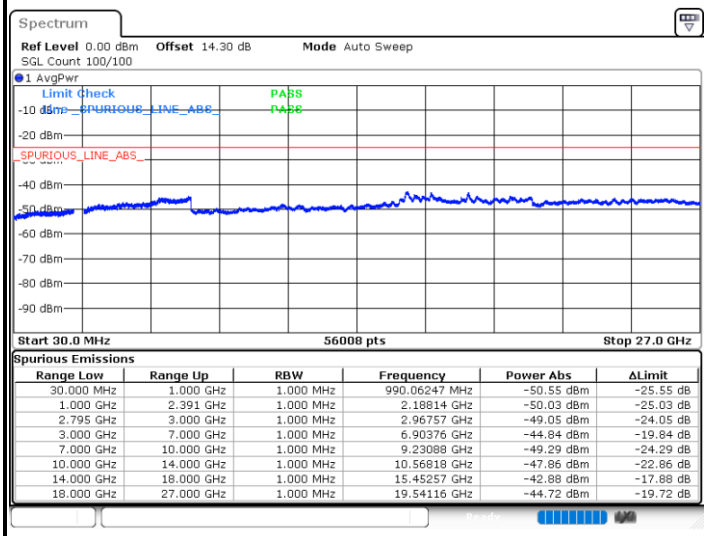
Channel Power < -10dBm Pass

/

Conducted Spurious Emission

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

Lowest Channel / 1RB

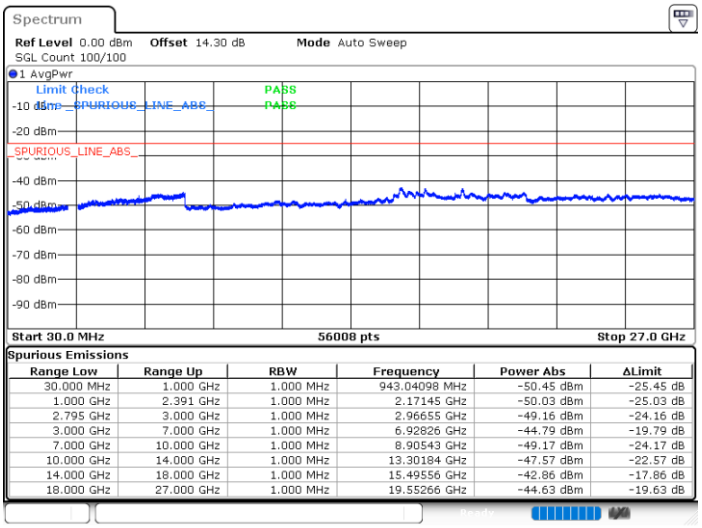


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-50.55 dBm	-25.55 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18814 GHz	-50.03 dBm	-25.03 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96757 GHz	-49.05 dBm	-24.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90376 GHz	-44.84 dBm	-19.84 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.23088 GHz	-49.29 dBm	-24.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.56818 GHz	-47.86 dBm	-22.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.45257 GHz	-42.88 dBm	-17.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54116 GHz	-44.72 dBm	-19.72 dB

Date: 21.JAN.2021 03:32:07

Middle Channel / 1RB

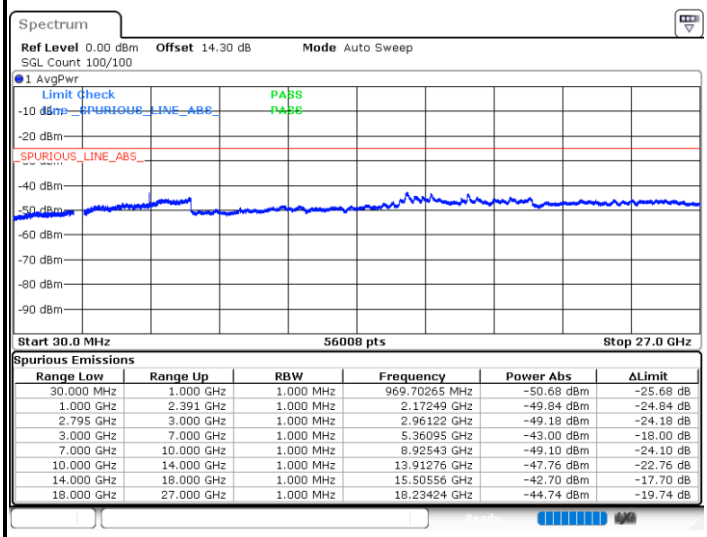


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.04098 MHz	-50.45 dBm	-25.45 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17145 GHz	-50.03 dBm	-25.03 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96655 GHz	-49.16 dBm	-24.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92826 GHz	-44.79 dBm	-19.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90543 GHz	-49.17 dBm	-24.17 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.30184 GHz	-47.57 dBm	-22.57 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49556 GHz	-42.86 dBm	-17.86 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.55266 GHz	-44.63 dBm	-19.63 dB

Date: 21.JAN.2021 03:19:56

Highest Channel / 1RB



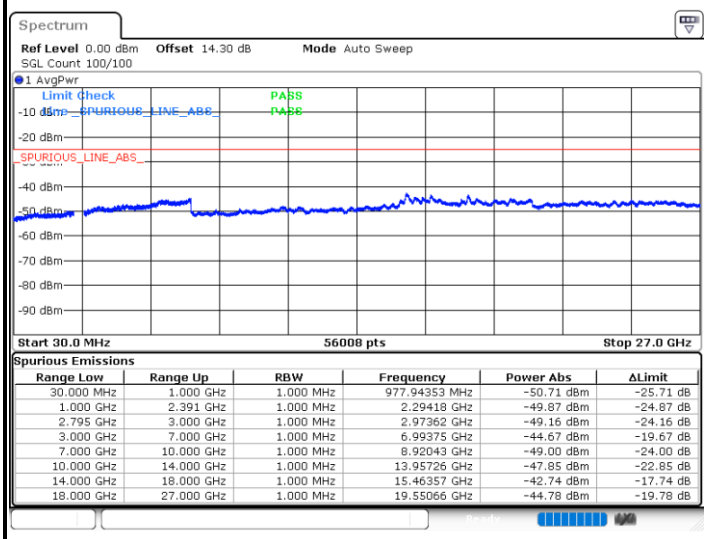
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-50.68 dBm	-25.68 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17249 GHz	-49.84 dBm	-24.84 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96122 GHz	-49.18 dBm	-24.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.36095 GHz	-43.00 dBm	-18.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92543 GHz	-49.10 dBm	-24.10 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91276 GHz	-47.76 dBm	-22.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50556 GHz	-42.70 dBm	-17.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.23424 GHz	-44.74 dBm	-19.74 dB

Date: 21.JAN.2021 03:12:57

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

Lowest Channel / 1RB

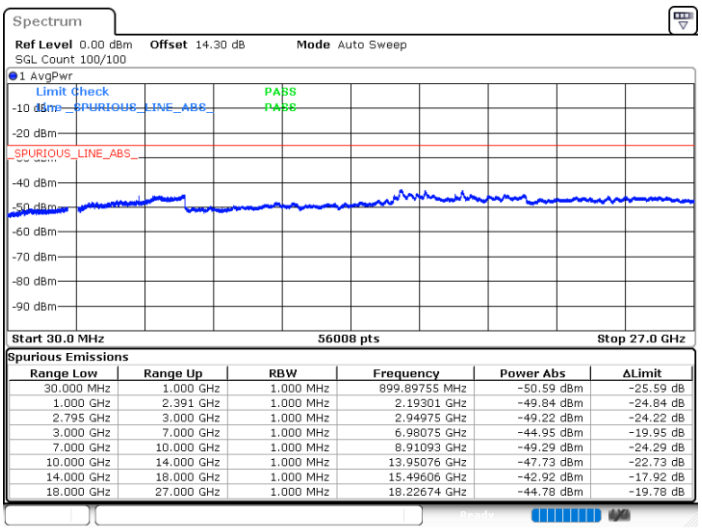


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-50.71 dBm	-25.71 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.29418 GHz	-49.87 dBm	-24.87 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97362 GHz	-49.16 dBm	-24.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-44.67 dBm	-19.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92043 GHz	-49.00 dBm	-24.00 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95726 GHz	-47.85 dBm	-22.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.46357 GHz	-42.74 dBm	-17.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.55066 GHz	-44.78 dBm	-19.78 dB

Date: 21.JAN.2021 05:17:24

Middle Channel / 1RB

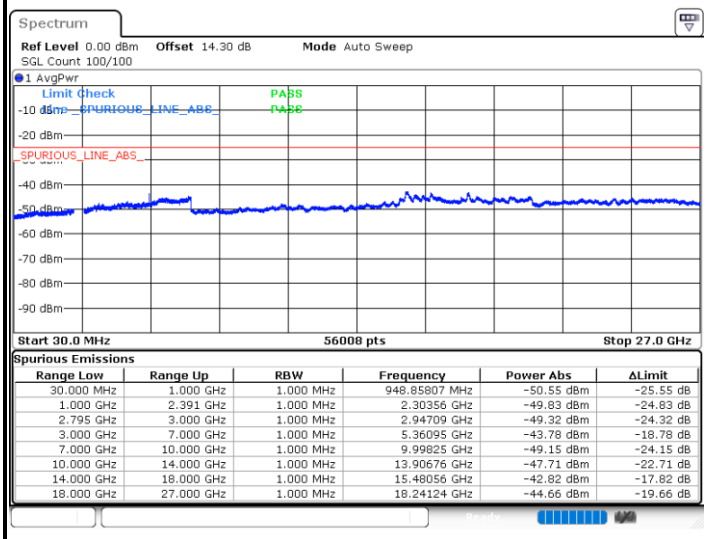


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-50.59 dBm	-25.59 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.19301 GHz	-49.84 dBm	-24.84 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94975 GHz	-49.22 dBm	-24.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-44.95 dBm	-19.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91093 GHz	-49.29 dBm	-24.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95076 GHz	-47.73 dBm	-22.73 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49606 GHz	-42.92 dBm	-17.92 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.22674 GHz	-44.78 dBm	-19.78 dB

Date: 21.JAN.2021 05:03:48

Highest Channel / 1RB



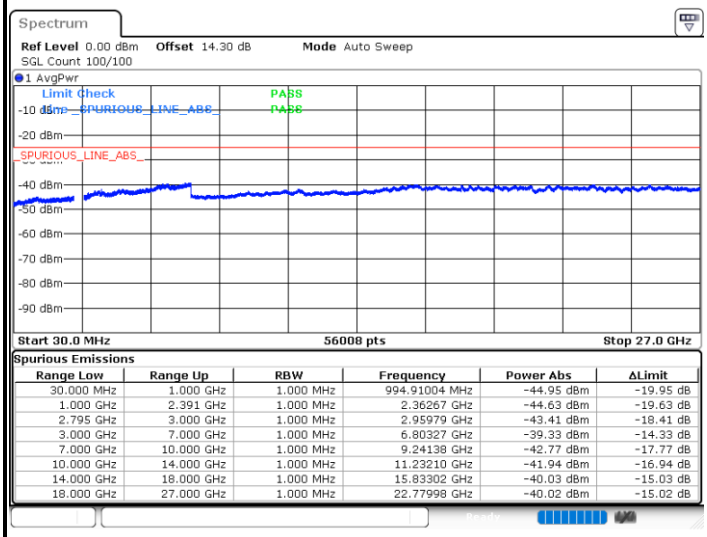
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-50.55 dBm	-25.55 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.30356 GHz	-49.83 dBm	-24.83 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94709 GHz	-49.32 dBm	-24.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.36095 GHz	-43.78 dBm	-18.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99825 GHz	-49.15 dBm	-24.15 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90676 GHz	-47.71 dBm	-22.71 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.48056 GHz	-42.82 dBm	-17.82 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24124 GHz	-44.66 dBm	-19.66 dB

Date: 21.JAN.2021 05:20:35

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

Lowest Channel / 1RB

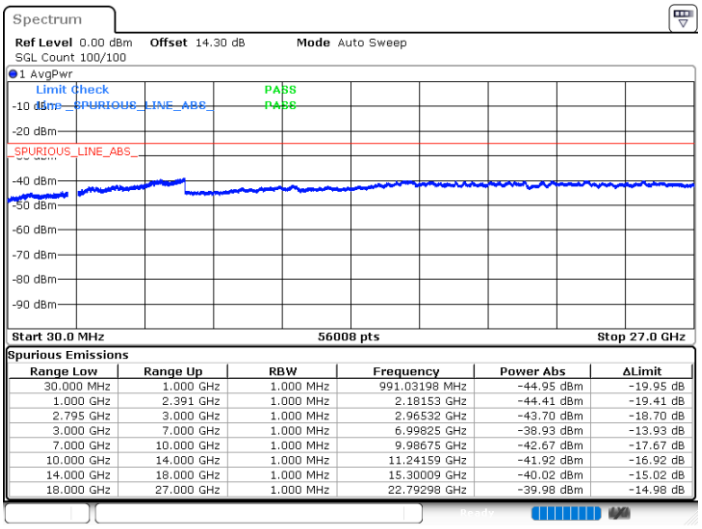


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-44.95 dBm	-19.95 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.36267 GHz	-44.63 dBm	-19.63 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95979 GHz	-43.41 dBm	-18.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80327 GHz	-39.33 dBm	-14.33 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.24138 GHz	-42.77 dBm	-17.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23210 GHz	-41.94 dBm	-16.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.83302 GHz	-40.03 dBm	-15.03 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.77998 GHz	-40.02 dBm	-15.02 dB

Date: 20.JAN.2021 08:34:01

Middle Channel / 1RB

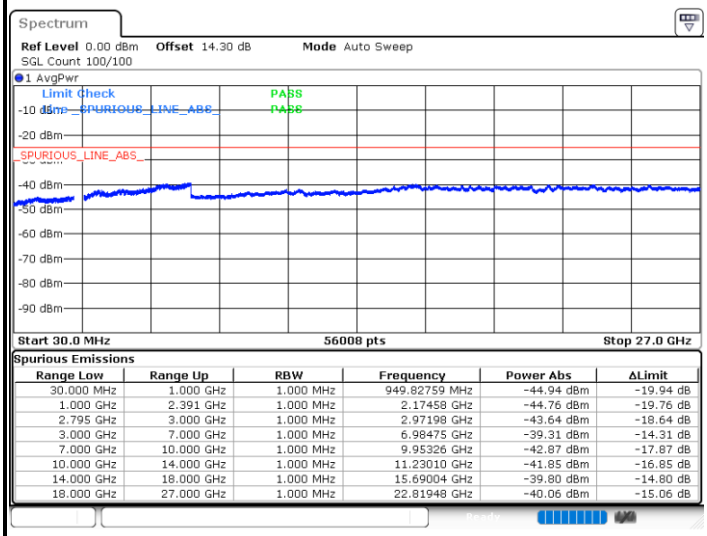


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-44.95 dBm	-19.95 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18153 GHz	-44.41 dBm	-19.41 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96532 GHz	-43.70 dBm	-18.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-38.93 dBm	-13.93 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98675 GHz	-42.67 dBm	-17.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24159 GHz	-41.92 dBm	-16.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.30009 GHz	-40.02 dBm	-15.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79298 GHz	-39.98 dBm	-14.98 dB

Date: 20.JAN.2021 08:28:53

Highest Channel / 1RB



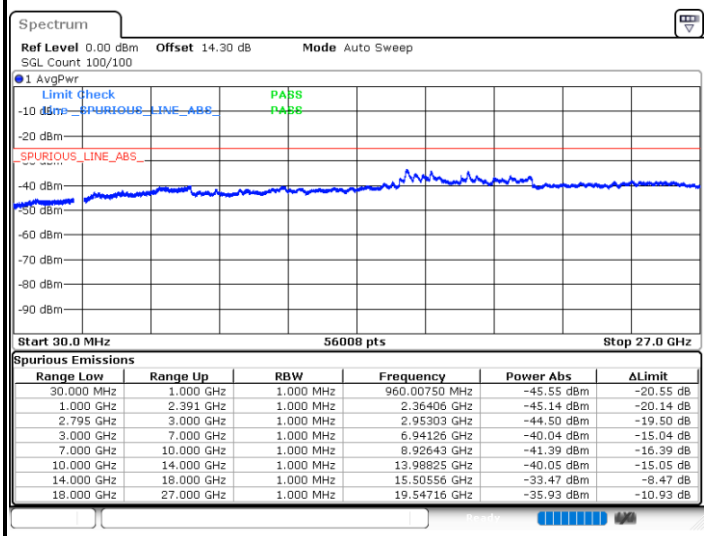
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.82759 MHz	-44.94 dBm	-19.94 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17458 GHz	-44.76 dBm	-19.76 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97198 GHz	-43.64 dBm	-18.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-39.31 dBm	-14.31 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95326 GHz	-42.87 dBm	-17.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23010 GHz	-41.85 dBm	-16.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.69004 GHz	-39.80 dBm	-14.80 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.81948 GHz	-40.06 dBm	-15.06 dB

Date: 20.JAN.2021 08:27:38

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

Lowest Channel / 1RB

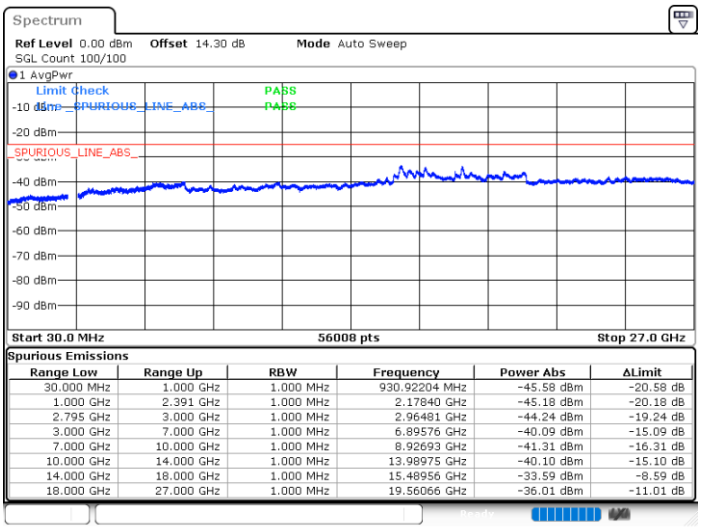


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-45.55 dBm	-20.55 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.36406 GHz	-45.14 dBm	-20.14 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95303 GHz	-44.50 dBm	-19.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94126 GHz	-40.04 dBm	-15.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92643 GHz	-41.39 dBm	-16.39 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98825 GHz	-40.05 dBm	-15.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50556 GHz	-33.47 dBm	-8.47 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54716 GHz	-35.93 dBm	-10.93 dB

Date: 21.JAN.2021 04:44:23

Middle Channel / 1RB

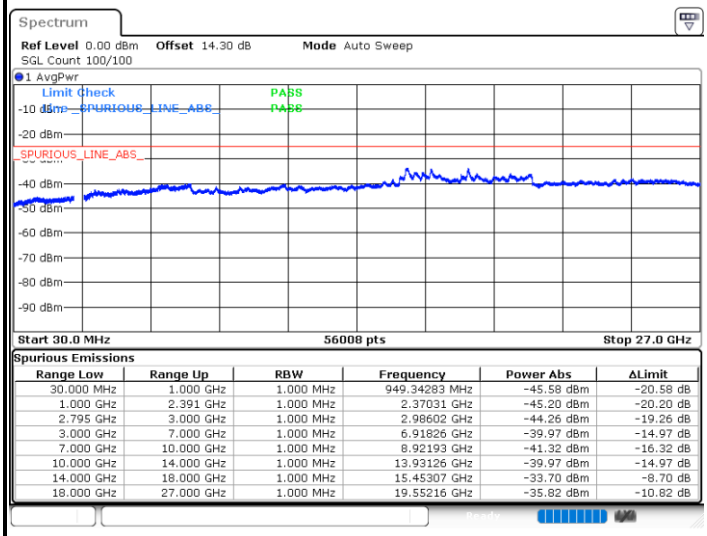


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-45.58 dBm	-20.58 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17840 GHz	-45.18 dBm	-20.18 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96481 GHz	-44.24 dBm	-19.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89576 GHz	-40.09 dBm	-15.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92693 GHz	-41.31 dBm	-16.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98975 GHz	-40.10 dBm	-15.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.48956 GHz	-33.59 dBm	-8.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.56066 GHz	-36.01 dBm	-11.01 dB

Date: 21.JAN.2021 04:31:28

Highest Channel / 1RB



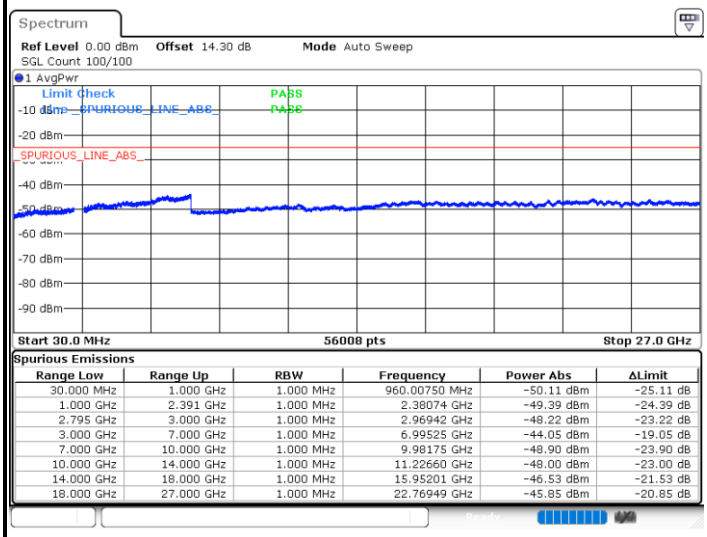
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-45.58 dBm	-20.58 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.37031 GHz	-45.20 dBm	-20.20 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98602 GHz	-44.26 dBm	-19.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91826 GHz	-39.97 dBm	-14.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92193 GHz	-41.32 dBm	-16.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93126 GHz	-39.97 dBm	-14.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.45307 GHz	-33.70 dBm	-8.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.55216 GHz	-35.82 dBm	-10.82 dB

Date: 21.JAN.2021 04:55:32

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

Lowest Channel / 1RB

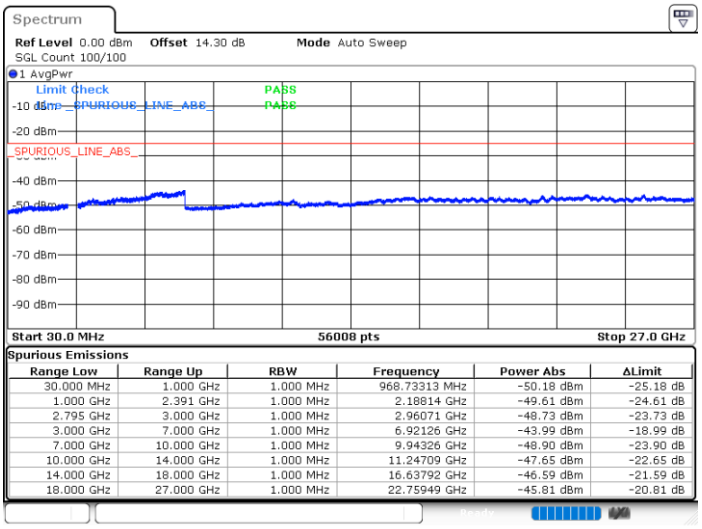


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-50.11 dBm	-25.11 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.38074 GHz	-49.39 dBm	-24.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96942 GHz	-48.22 dBm	-23.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-44.05 dBm	-19.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98175 GHz	-48.90 dBm	-23.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.22660 GHz	-48.00 dBm	-23.00 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.95201 GHz	-46.53 dBm	-21.53 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.76949 GHz	-45.85 dBm	-20.85 dB

Date: 20.JAN.2021 08:12:26

Middle Channel / 1RB

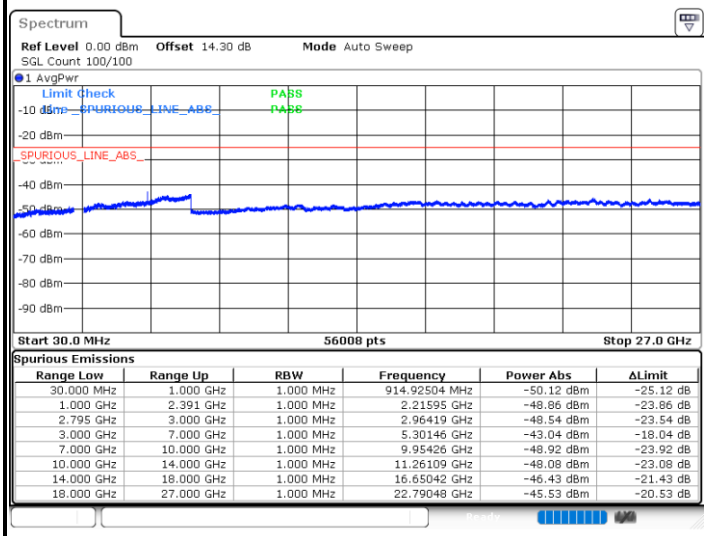


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-50.18 dBm	-25.18 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18814 GHz	-49.61 dBm	-24.61 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96071 GHz	-48.73 dBm	-23.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-43.99 dBm	-18.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94326 GHz	-48.90 dBm	-23.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24709 GHz	-47.65 dBm	-22.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63792 GHz	-46.59 dBm	-21.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.75949 GHz	-45.81 dBm	-20.81 dB

Date: 20.JAN.2021 08:11:20

Highest Channel / 1RB



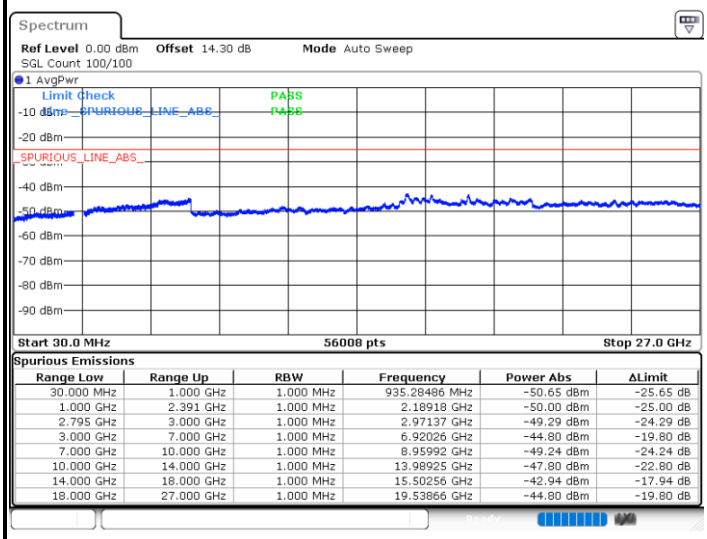
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-50.12 dBm	-25.12 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.21595 GHz	-48.86 dBm	-23.86 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96419 GHz	-48.54 dBm	-23.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.30146 GHz	-43.04 dBm	-18.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95426 GHz	-48.92 dBm	-23.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.26109 GHz	-48.08 dBm	-23.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.65042 GHz	-46.43 dBm	-21.43 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79048 GHz	-45.53 dBm	-20.53 dB

Date: 20.JAN.2021 08:08:31

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

Lowest Channel / 1RB

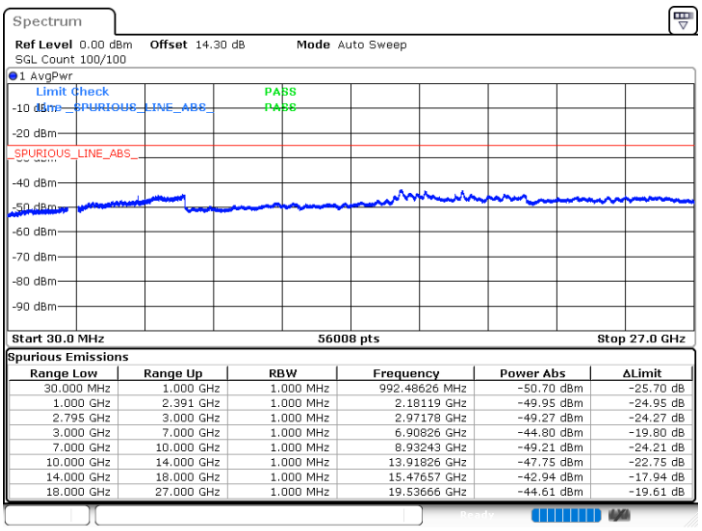


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-50.65 dBm	-25.65 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18918 GHz	-50.00 dBm	-25.00 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97137 GHz	-49.29 dBm	-24.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92026 GHz	-44.80 dBm	-19.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.95992 GHz	-49.24 dBm	-24.24 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98925 GHz	-47.80 dBm	-22.80 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50256 GHz	-42.94 dBm	-17.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.53866 GHz	-44.80 dBm	-19.80 dB

Date: 21.JAN.2021 04:09:40

Middle Channel / 1RB

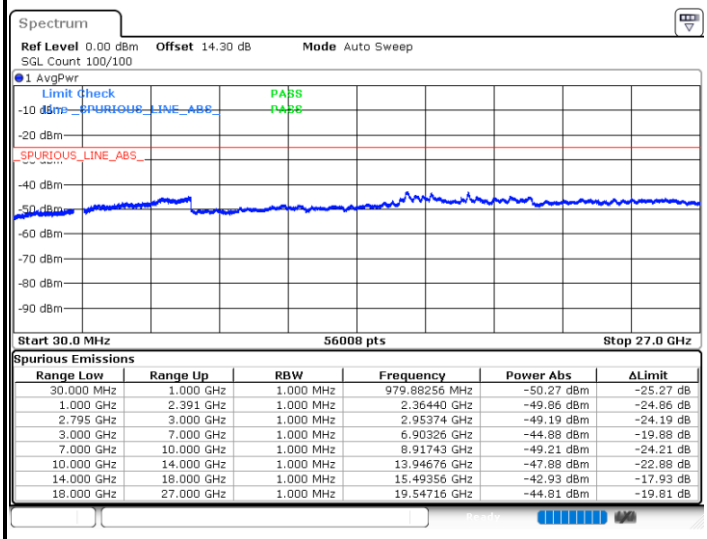


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-50.70 dBm	-25.70 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18119 GHz	-49.95 dBm	-24.95 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97178 GHz	-49.27 dBm	-24.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-44.80 dBm	-19.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.93243 GHz	-49.21 dBm	-24.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91826 GHz	-47.75 dBm	-22.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.47657 GHz	-42.94 dBm	-17.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.53666 GHz	-44.61 dBm	-19.61 dB

Date: 21.JAN.2021 04:02:58

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-50.27 dBm	-25.27 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.36440 GHz	-49.86 dBm	-24.86 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95374 GHz	-49.19 dBm	-24.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90326 GHz	-44.88 dBm	-19.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91743 GHz	-49.21 dBm	-24.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94676 GHz	-47.88 dBm	-22.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49356 GHz	-42.93 dBm	-17.93 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54716 GHz	-44.81 dBm	-19.81 dB

Date: 21.JAN.2021 04:24:05

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	0.0022	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0022	

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 UL_MIMO HPUE -SCS 30K

Peak-to-Average Ratio

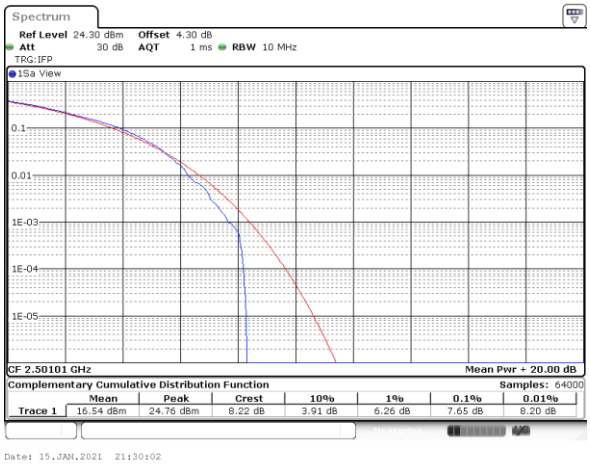
Mode	FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.65	8.64			PASS
Middle CH	7.45	8.61			
Highest CH	7.77	8.61			

Mode	FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	8.09	8.9			PASS
Middle CH	8.03	8.78			
Highest CH	7.59	8.81			

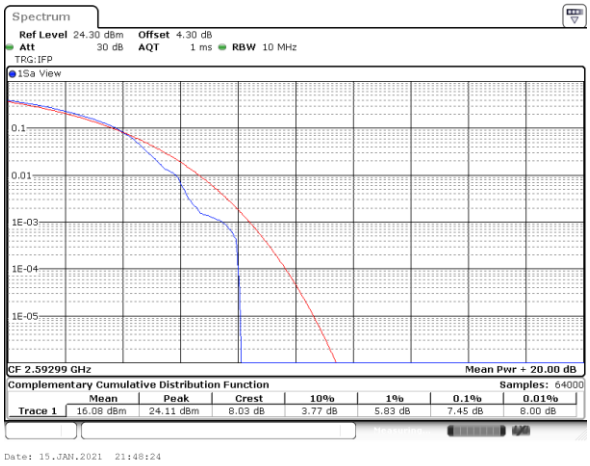
FR1 UL-MIMO n41 / 10MHz / CP-OFDM

QPSK(M2)

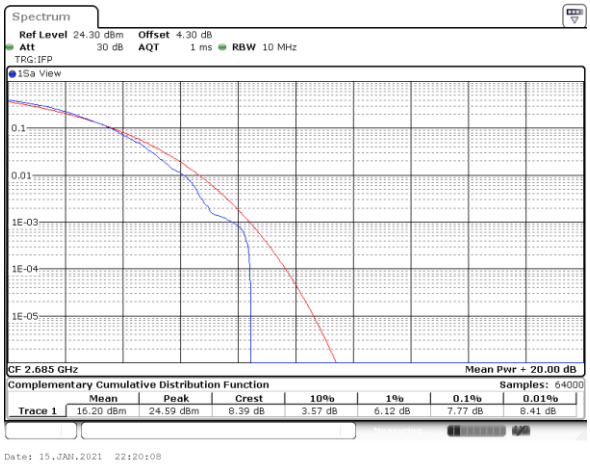
Lowest Channel / 1RB



Middle Channel / 1 RB

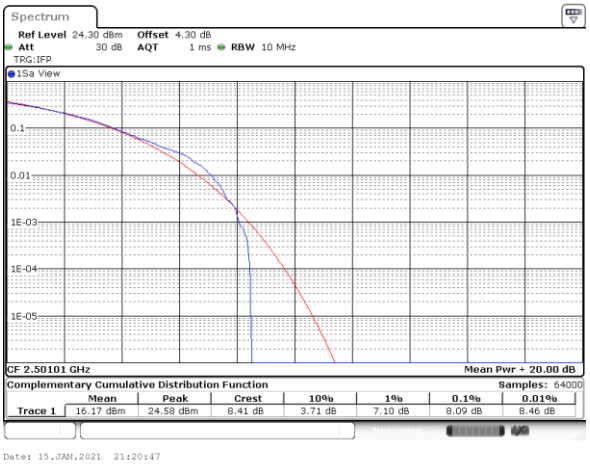


Highest Channel / 1 RB

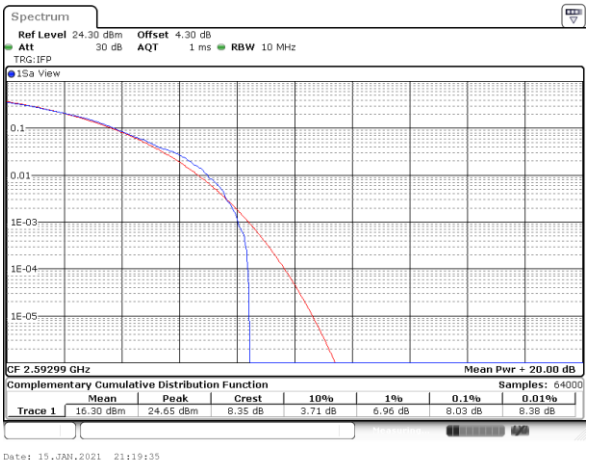


QPSK(M)

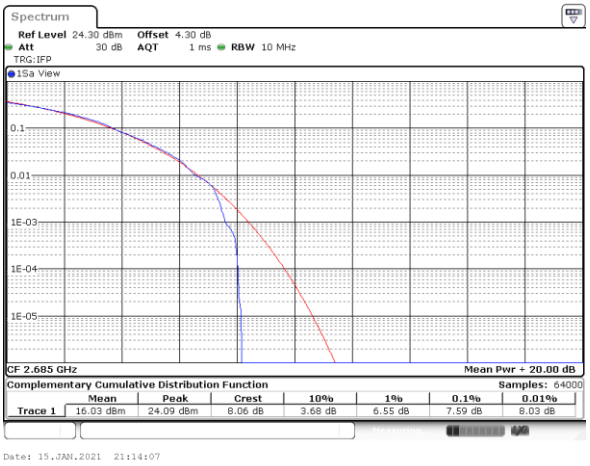
Lowest Channel / 1RB

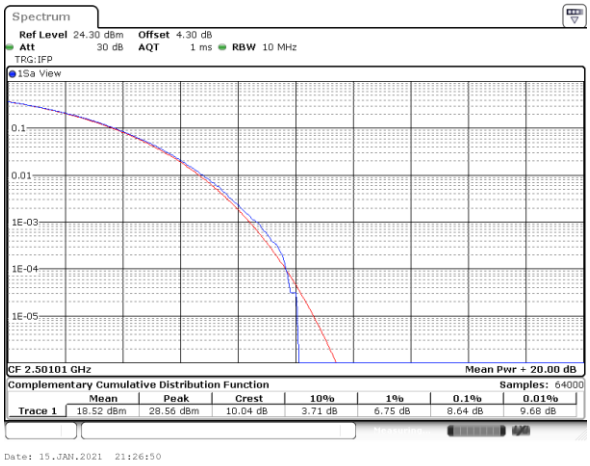
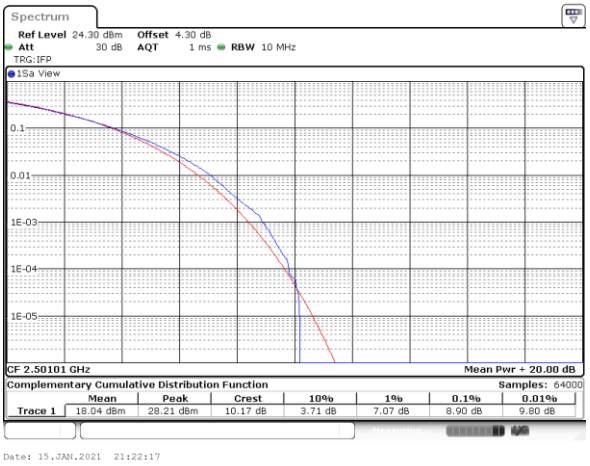
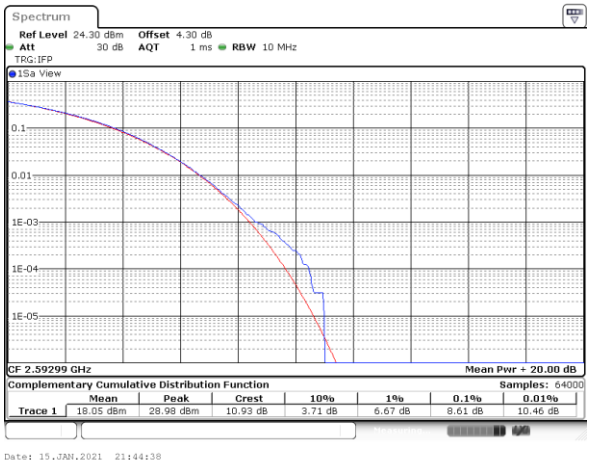
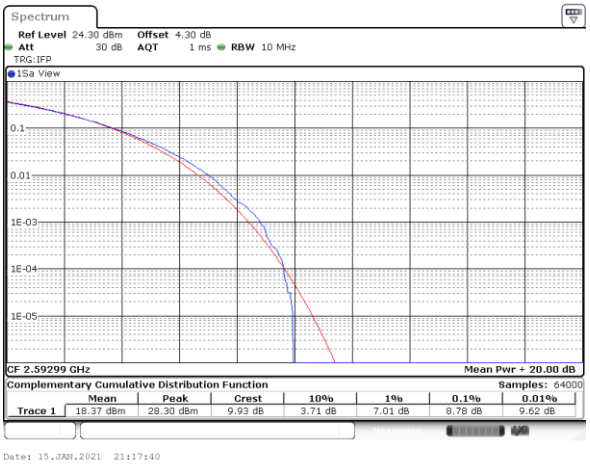
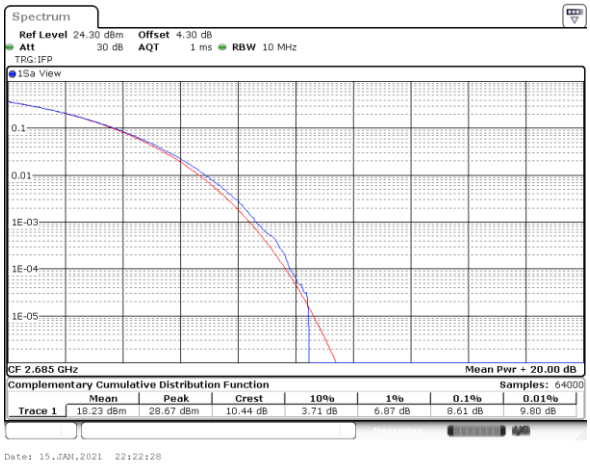
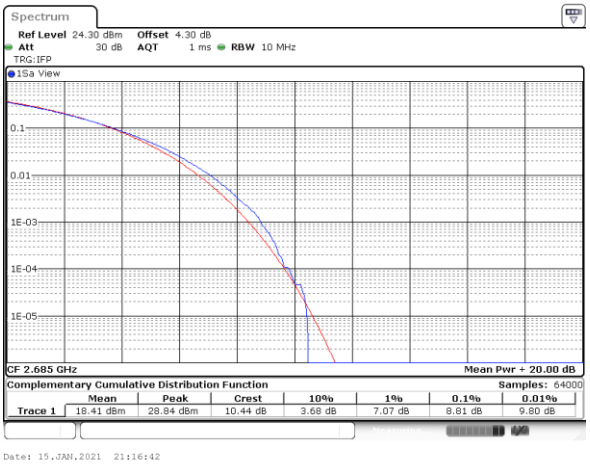


Middle Channel / 1 RB



Highest Channel / 1 RB



FR1 UL-MIMO n41 / 20MHz / CP-OFDM	
QPSK(M2)	**QPSK(M)**
Lowest Channel / Full RB	**Lowest Channel / Full RB**
	
Middle Channel / Full RB	**Middle Channel / Full RB**
	
Highest Channel / Full RB	**Highest Channel / Full RB**
	

26dB Bandwidth

Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	9.33	9.07	9.07	9.23	9.31	8..93	9.31	9.09

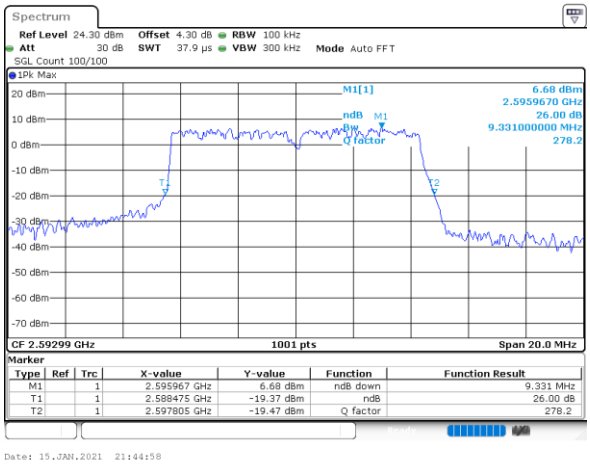
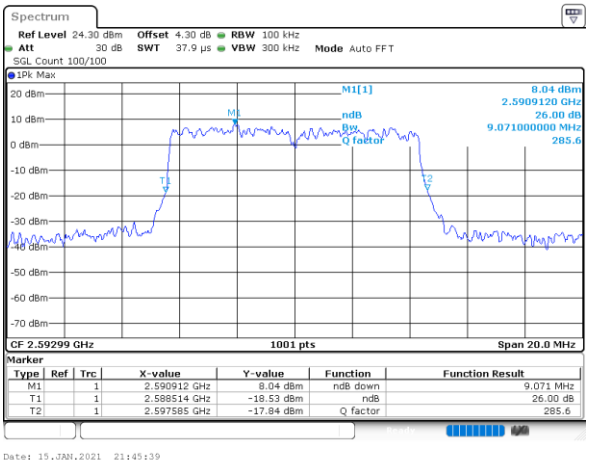
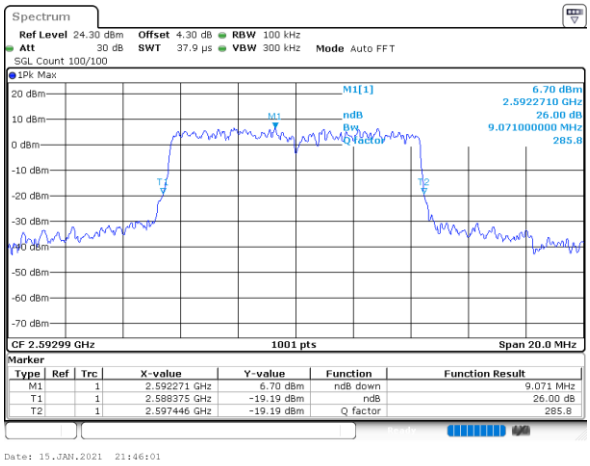
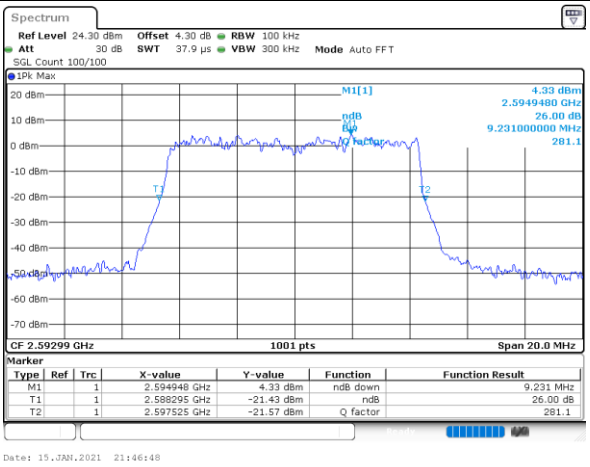
Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	14.57	14.33	14.42	14.3	14.72	14.51	14.30	14.54

Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	28.71	28.77	28.77	28.71	28.95	28.95	28.95	29.07

Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	40.44	40.2	40.36	40.28	40.52	40.28	40.36	40.2

Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	49.75	49.75	49.85	49.65	49.75	49.75	49.65	49.75

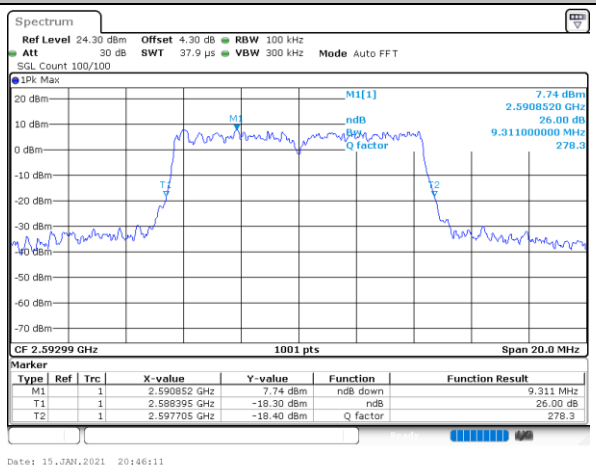
Mode	FR1 UL-MIMO n41 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	80.08	79.92	80.08	79.92	79.92	79.92	79.92	80.08

FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

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

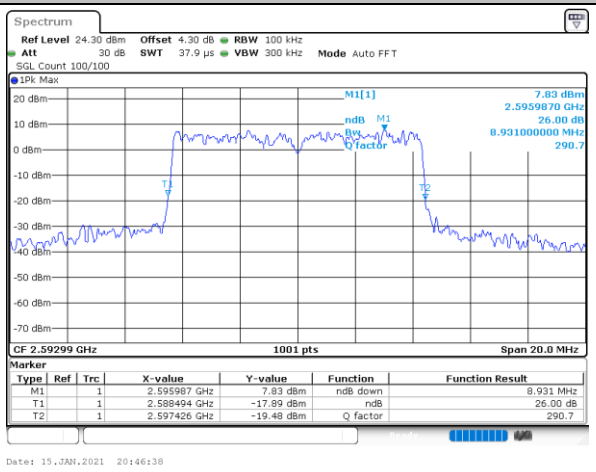
QPSK

Middle Channel



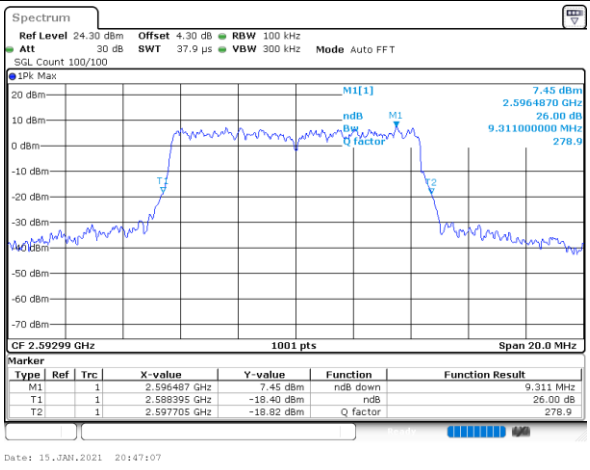
16QAM

Middle Channel



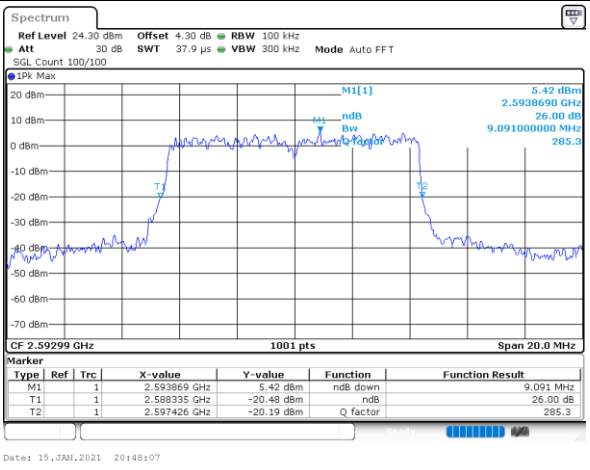
64QAM

Middle Channel



256QAM

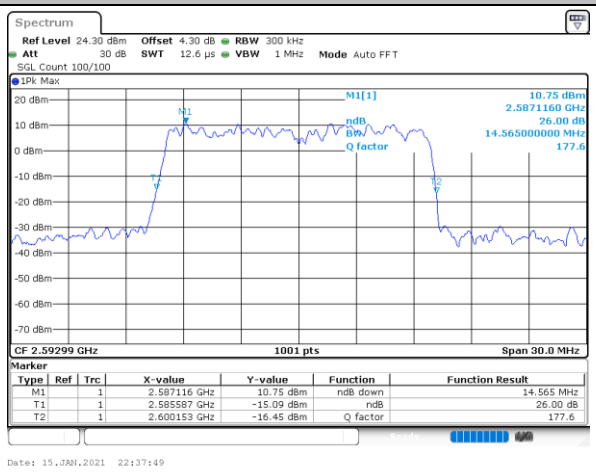
Middle Channel



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

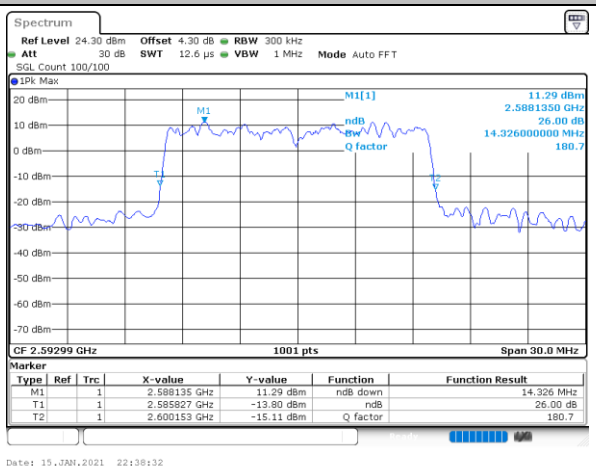
QPSK

Middle Channel



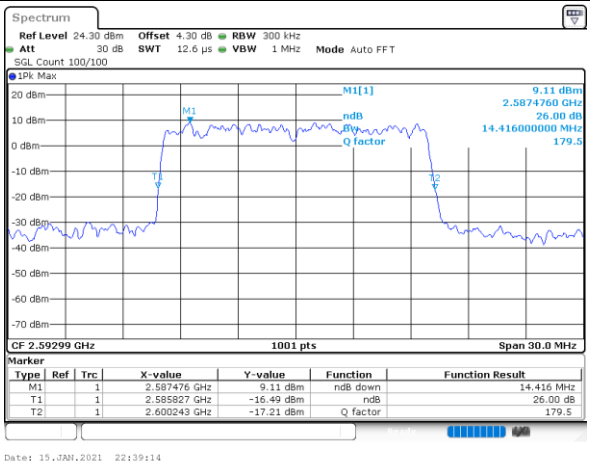
16QAM

Middle Channel



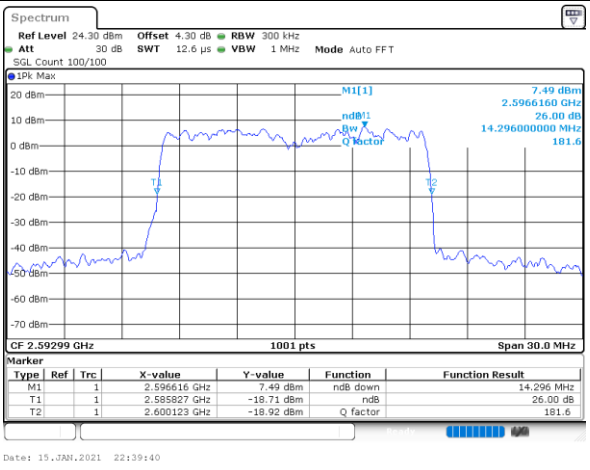
64QAM

Middle Channel



256QAM

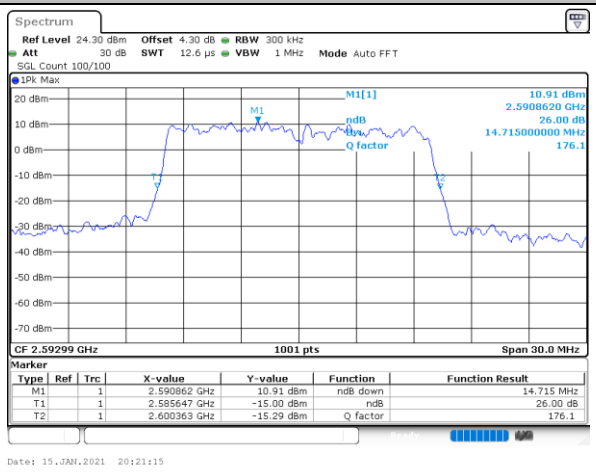
Middle Channel



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

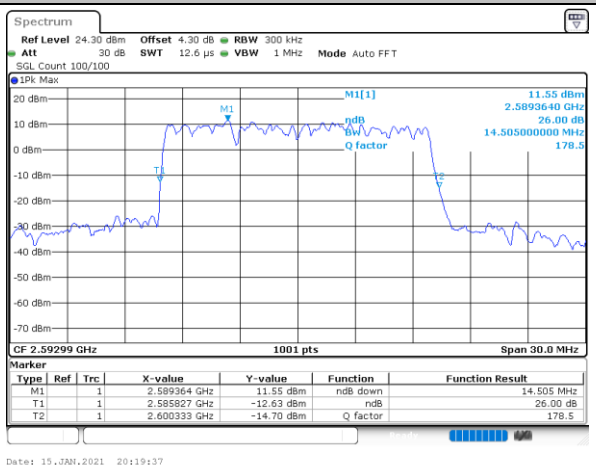
QPSK

Middle Channel



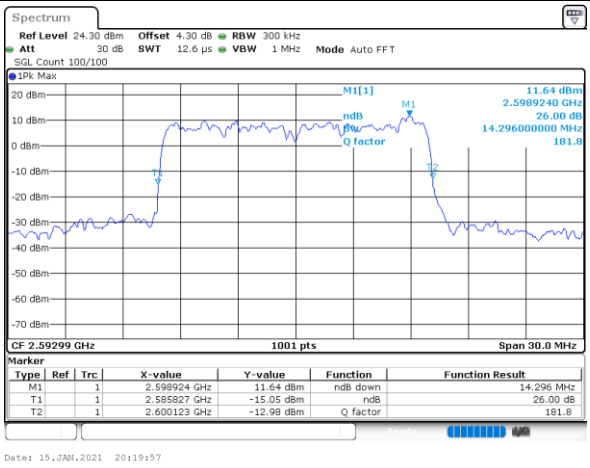
16QAM

Middle Channel



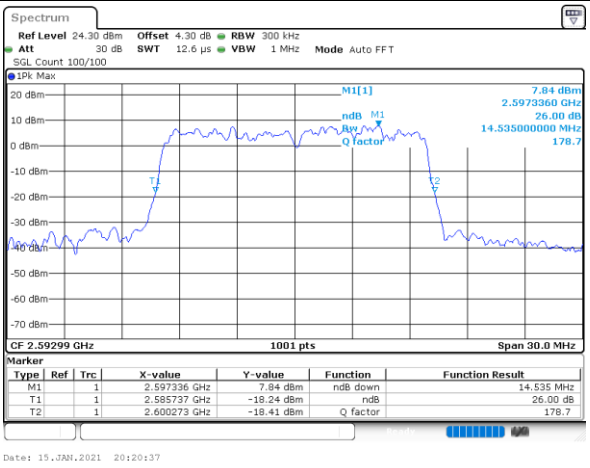
64QAM

Middle Channel



256QAM

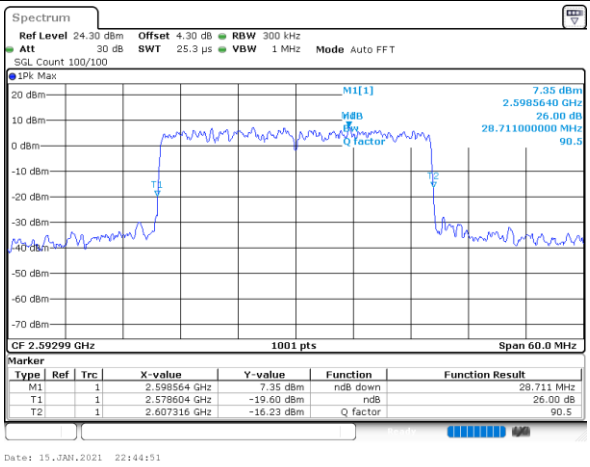
Middle Channel



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

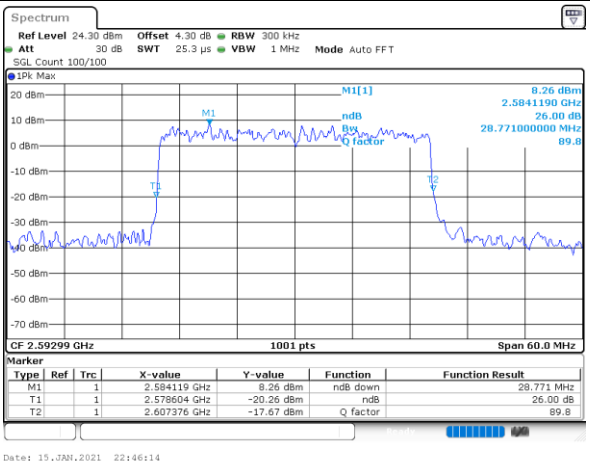
QPSK

Middle Channel



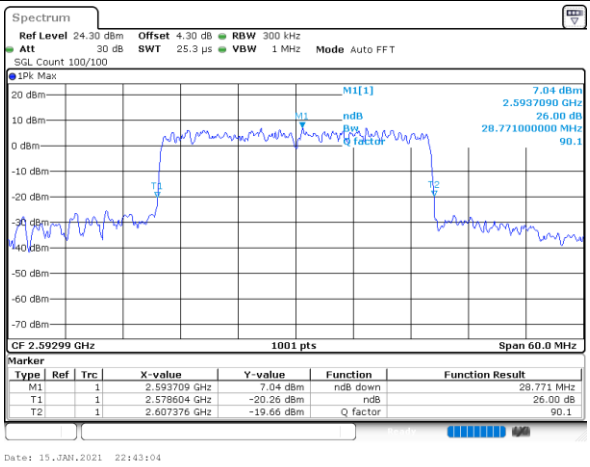
16QAM

Middle Channel



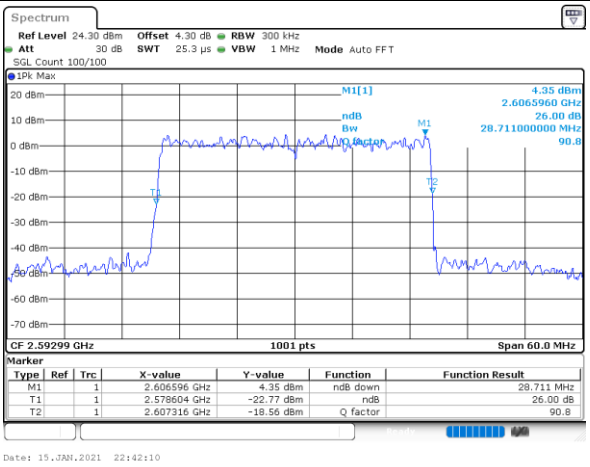
64QAM

Middle Channel



256QAM

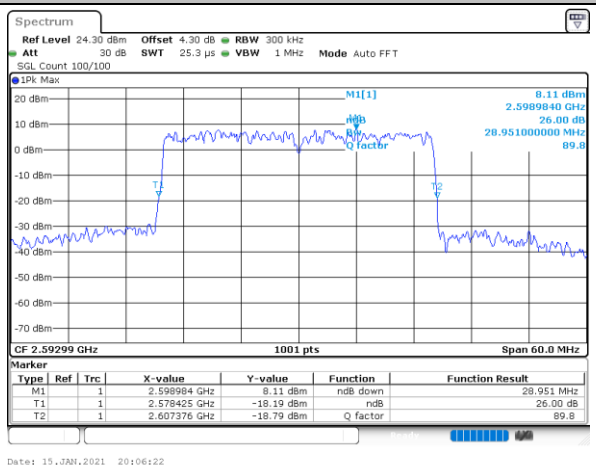
Middle Channel



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

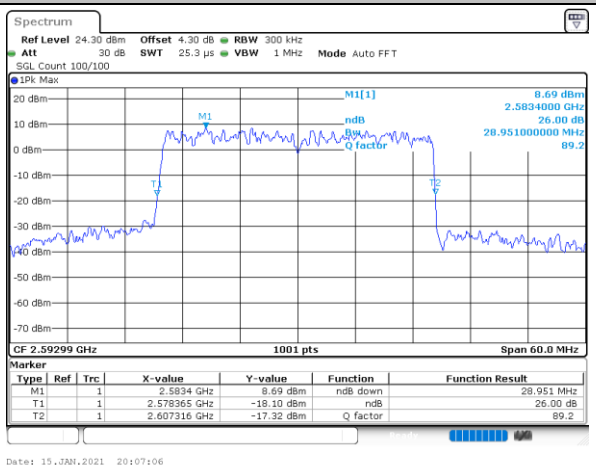
QPSK

Middle Channel



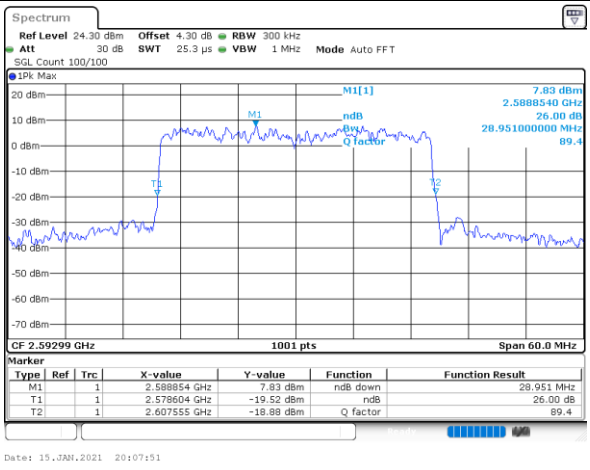
16QAM

Middle Channel



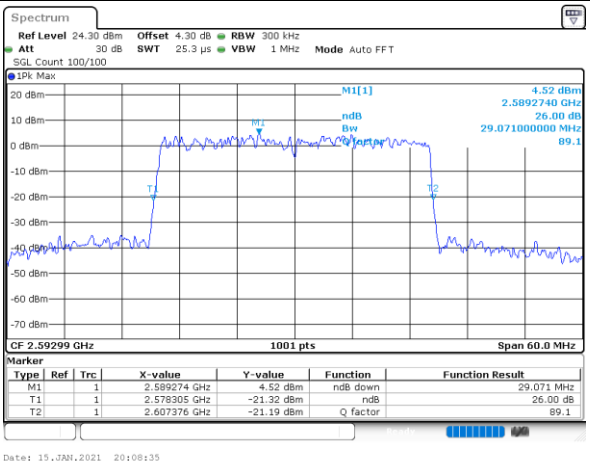
64QAM

Middle Channel



256QAM

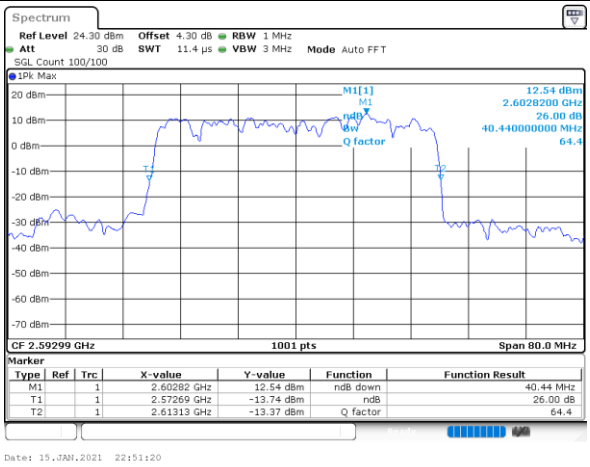
Middle Channel



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

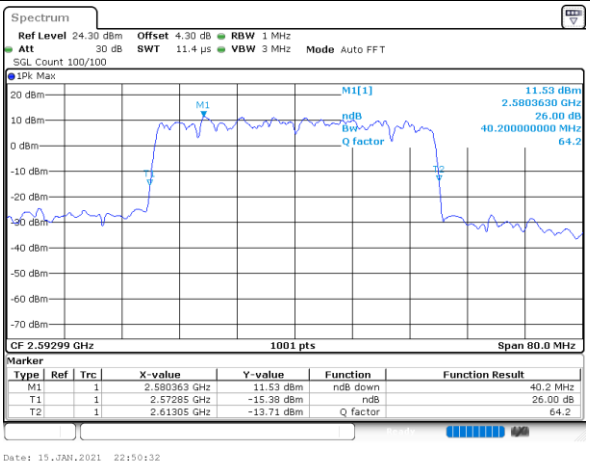
QPSK

Middle Channel



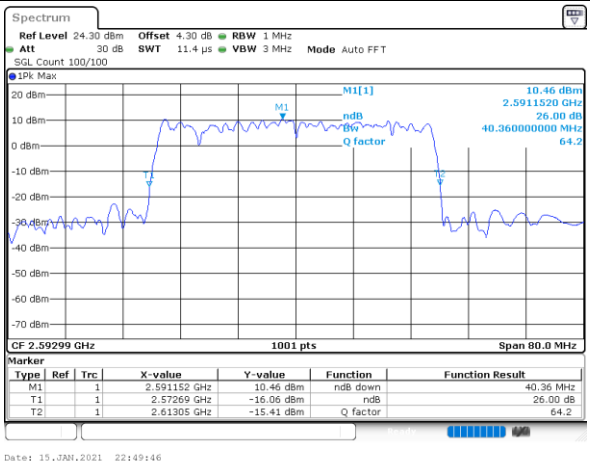
16QAM

Middle Channel



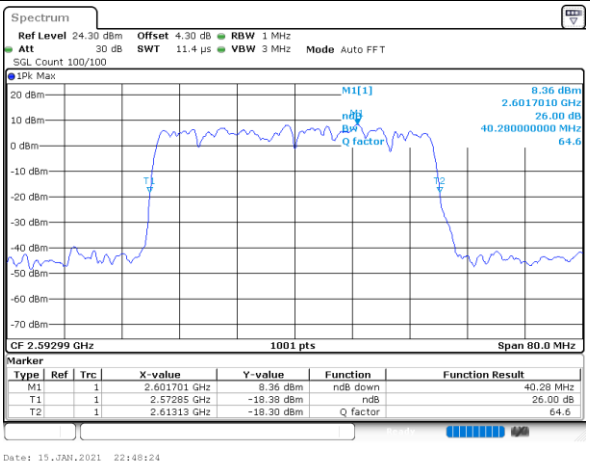
64QAM

Middle Channel



256QAM

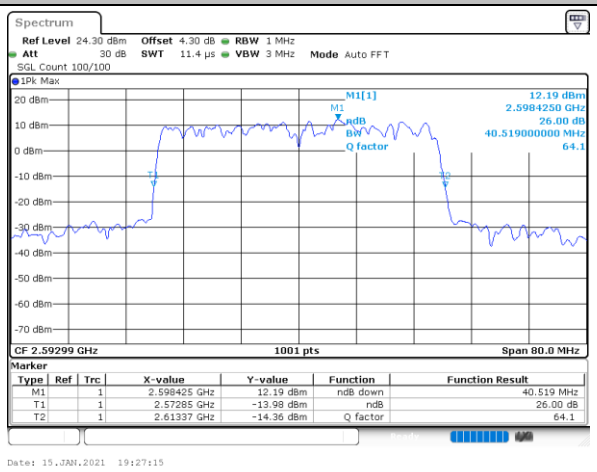
Middle Channel



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

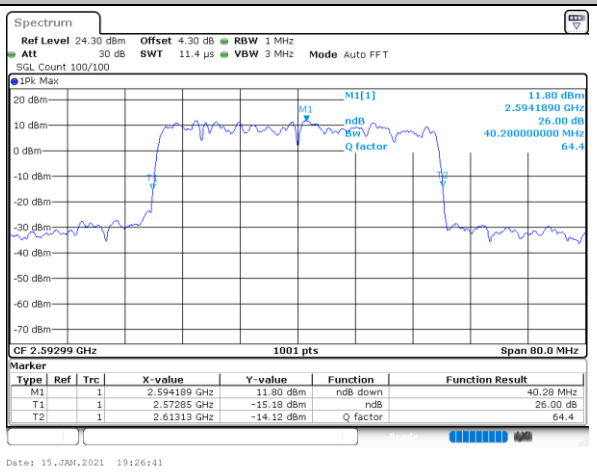
QPSK

Middle Channel



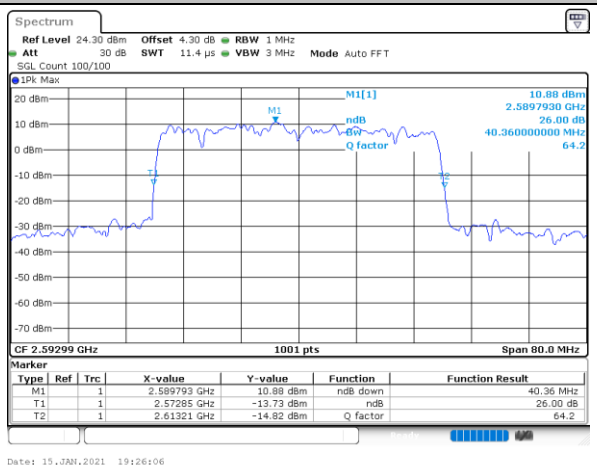
16QAM

Middle Channel



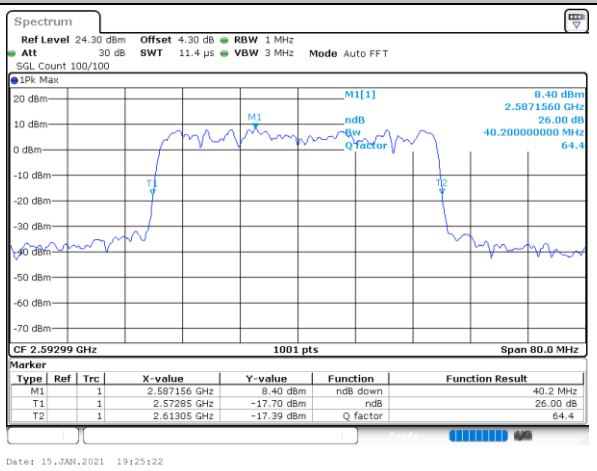
64QAM

Middle Channel



256QAM

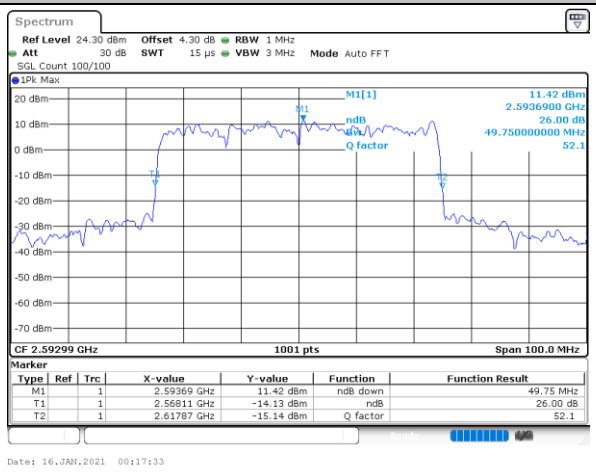
Middle Channel



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

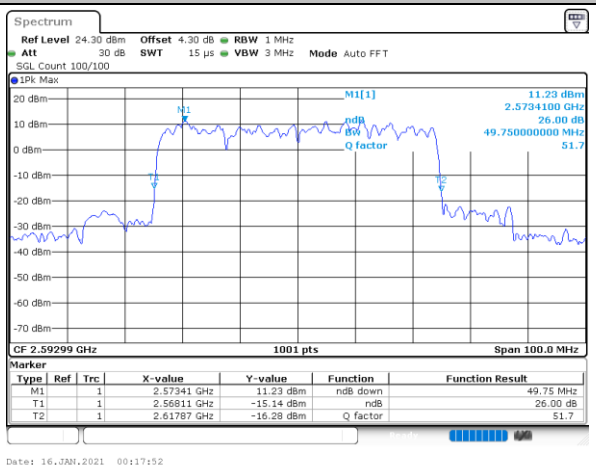
QPSK

Middle Channel



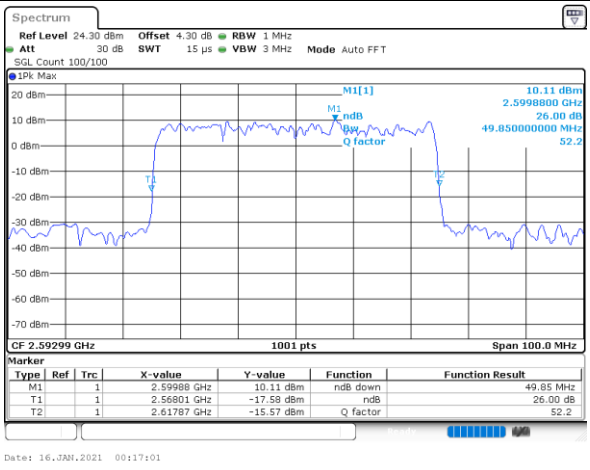
16QAM

Middle Channel



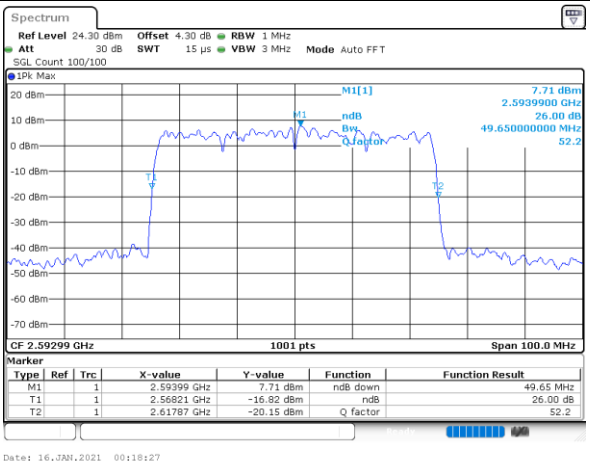
64QAM

Middle Channel



256QAM

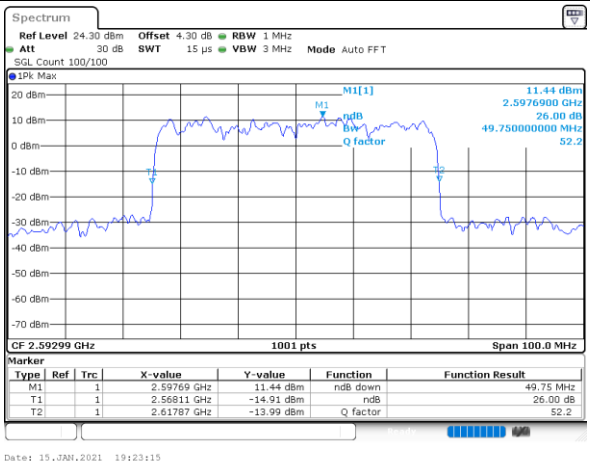
Middle Channel



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

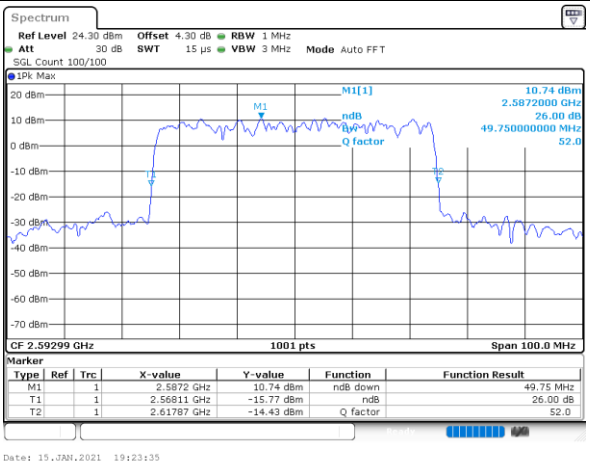
QPSK

Middle Channel



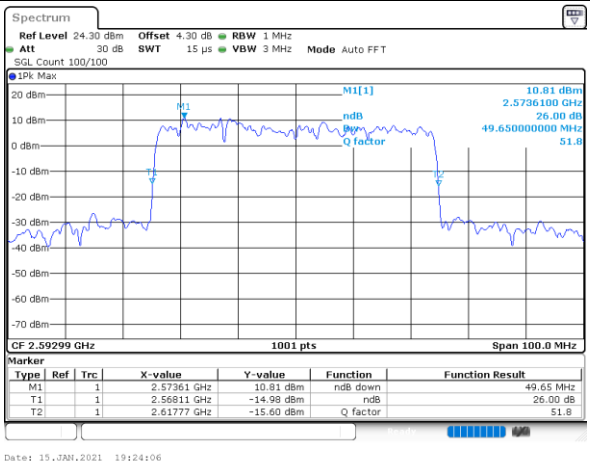
16QAM

Middle Channel



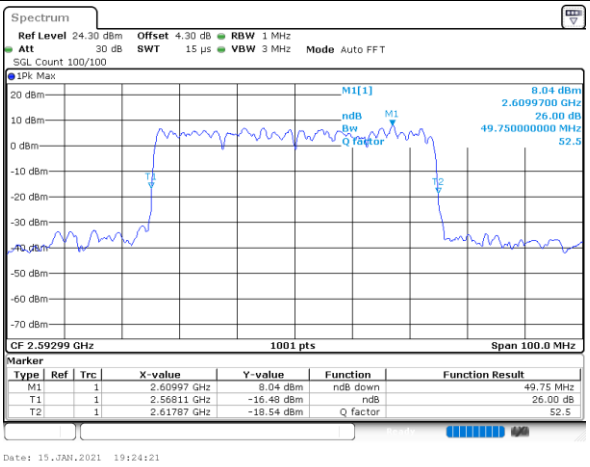
64QAM

Middle Channel



256QAM

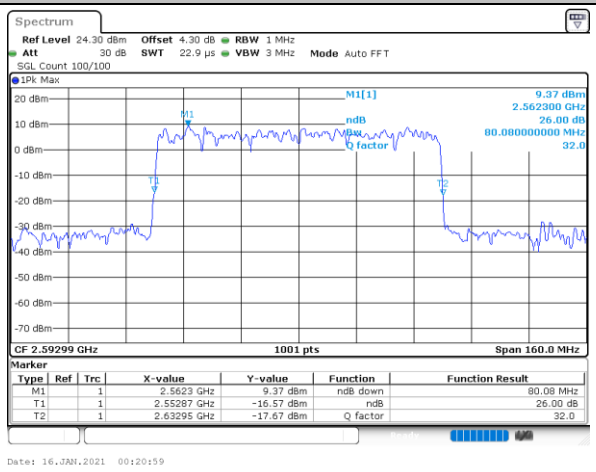
Middle Channel



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

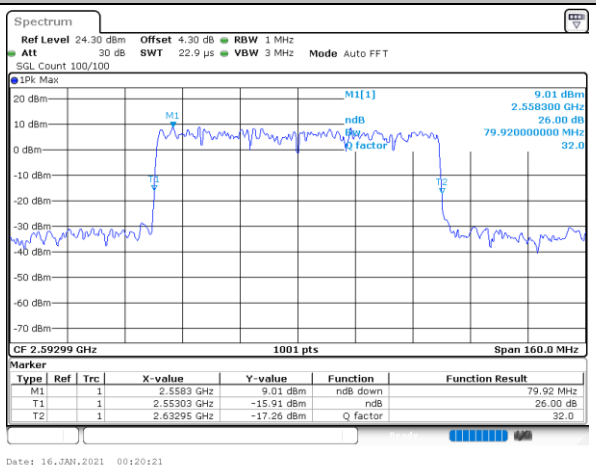
QPSK

Middle Channel



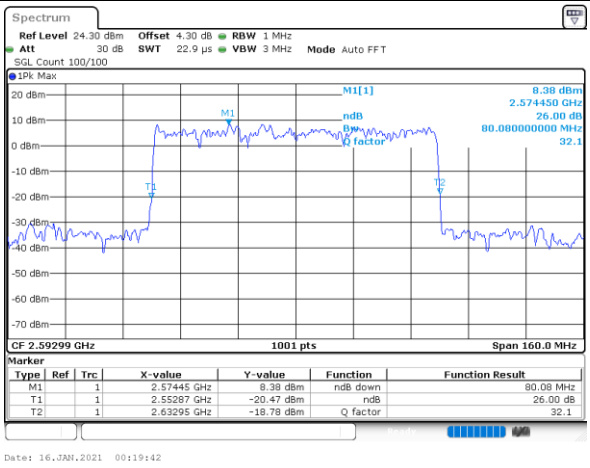
16QAM

Middle Channel



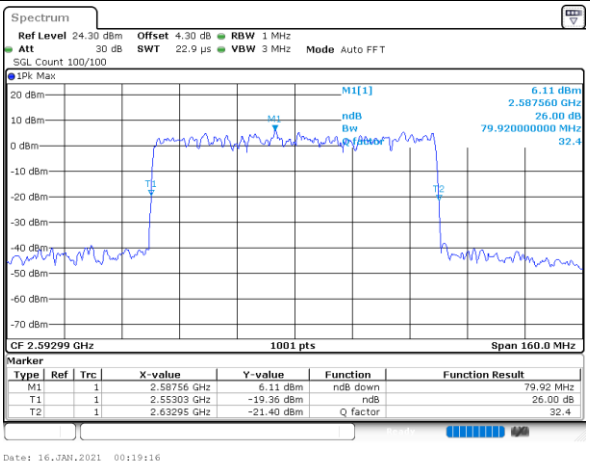
64QAM

Middle Channel



256QAM

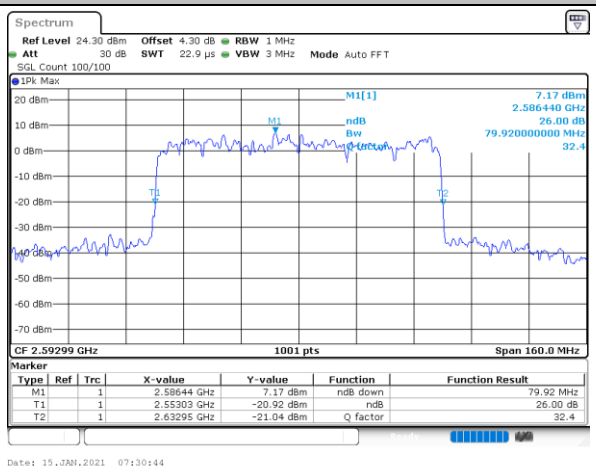
Middle Channel



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

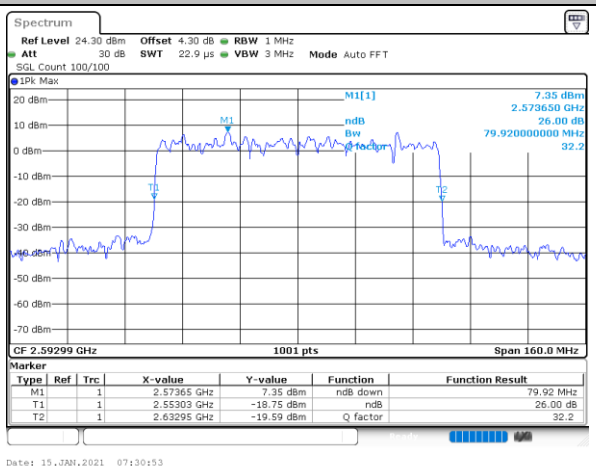
QPSK

Middle Channel



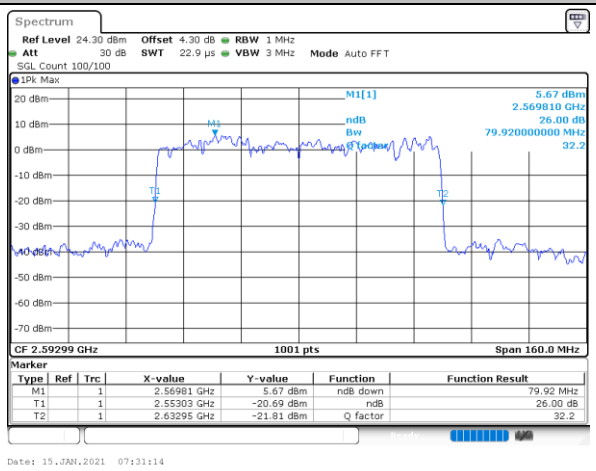
16QAM

Middle Channel



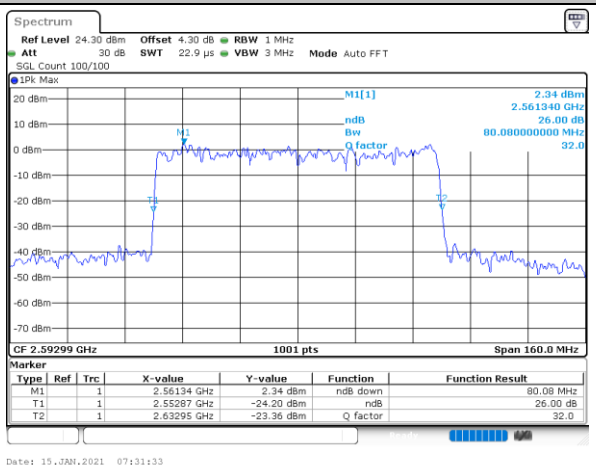
64QAM

Middle Channel



256QAM

Middle Channel



Occupied Bandwidth

Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz	10MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	8.57	8.59	8.59	8.57	8.59	8.57	8.59	8.61

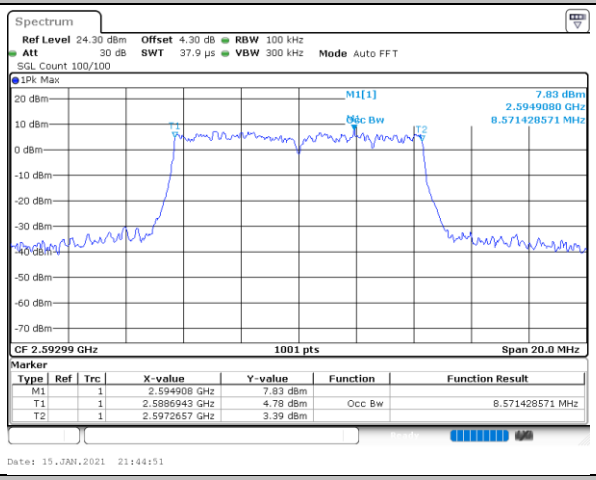
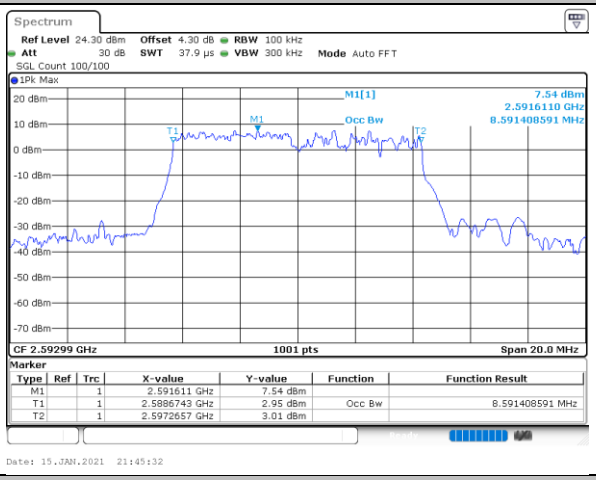
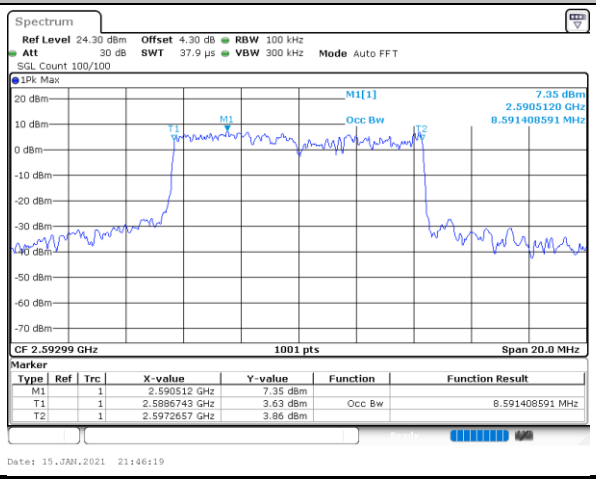
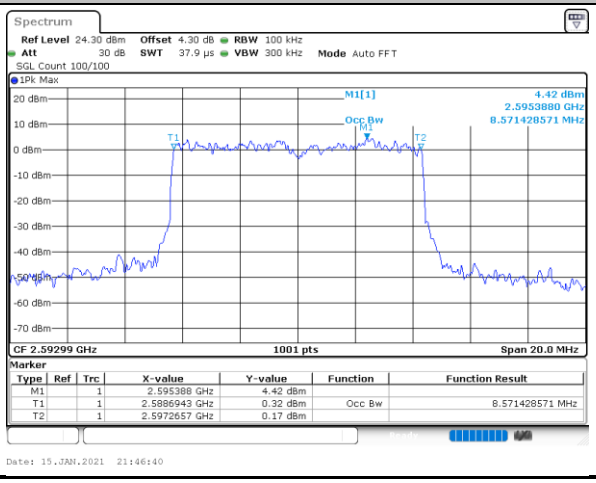
Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz	15MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	13.73	13.67	13.58	13.70	13.52	13.64	13.58	13.61

Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	27.87	27.87	27.81	27.87	27.87	27.81	27.87	27.81

Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	38.04	37.72	38.28	37.88	37.88	38.28	37.96	38.28

Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	47.85	47.85	47.65	47.75	47.55	47.35	47.45	47.55

Mode	FR1 UL-MIMO n41 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	77.36	77.52	77.20	77.52	77.68	77.68	77.52	77.52

FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**