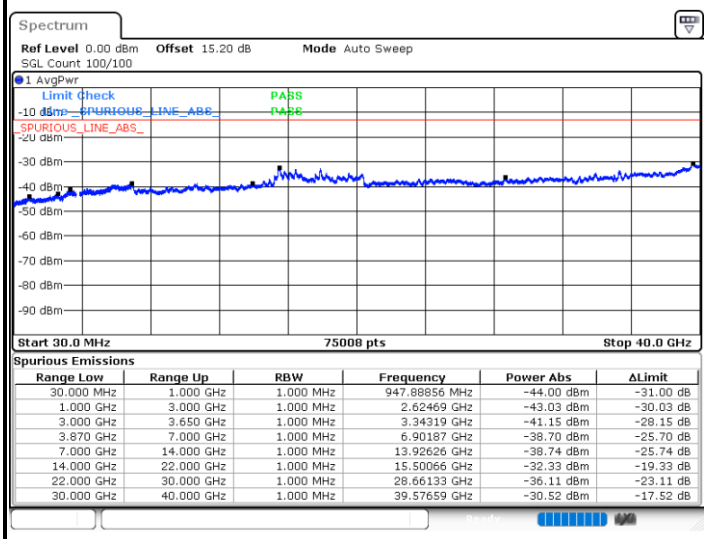
FR1 UL-MIMO n78 / 15MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

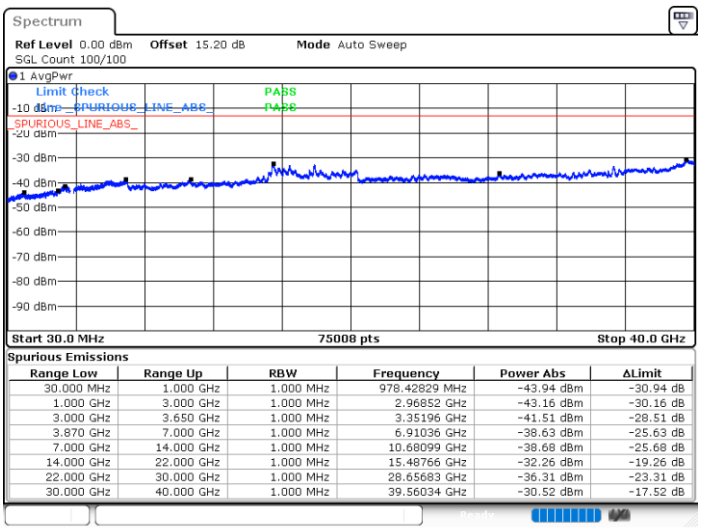


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-44.00 dBm	-31.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62469 GHz	-43.03 dBm	-30.03 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.34319 GHz	-41.15 dBm	-28.15 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.90187 GHz	-38.70 dBm	-25.70 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.92626 GHz	-38.74 dBm	-25.74 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50066 GHz	-32.33 dBm	-19.33 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.66133 GHz	-36.11 dBm	-23.11 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57659 GHz	-30.52 dBm	-17.52 dB

Date: 4.FEB.2021 22:48:36

Middle Channel / 1RB

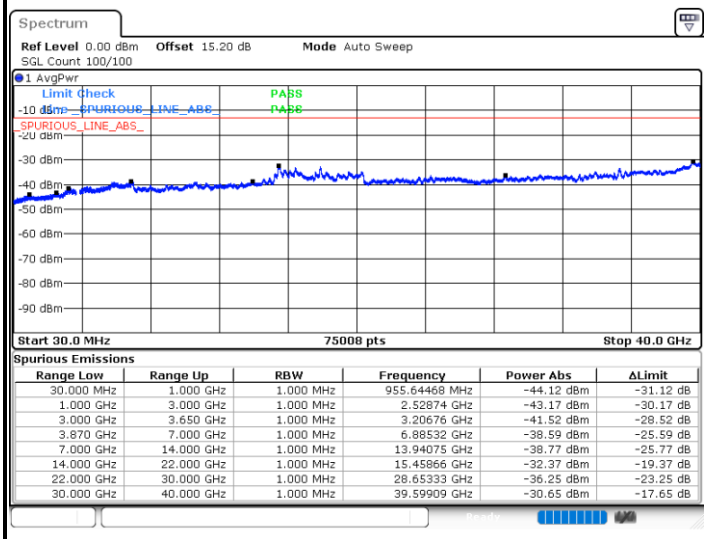


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-43.94 dBm	-30.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96852 GHz	-43.16 dBm	-30.16 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.35196 GHz	-41.51 dBm	-28.51 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91036 GHz	-38.63 dBm	-25.63 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.68099 GHz	-38.68 dBm	-25.68 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.48766 GHz	-32.26 dBm	-19.26 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65683 GHz	-36.31 dBm	-23.31 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.56034 GHz	-30.52 dBm	-17.52 dB

Date: 4.FEB.2021 22:44:59

Highest Channel / 1RB



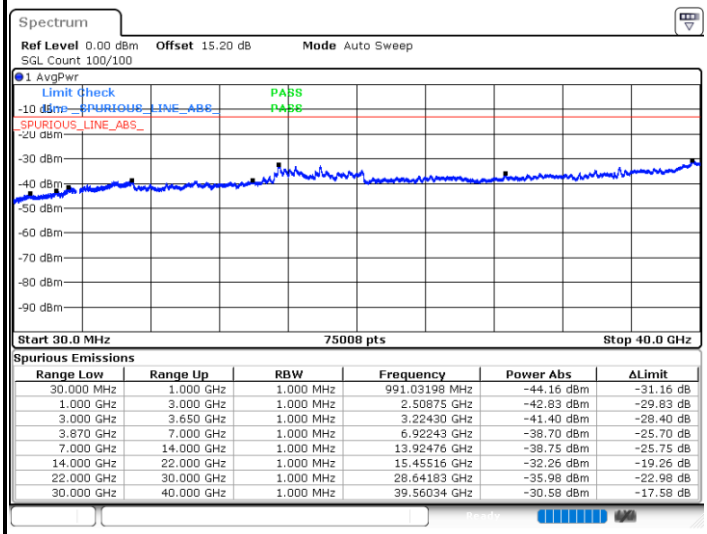
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-44.12 dBm	-31.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52874 GHz	-43.17 dBm	-30.17 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.20676 GHz	-41.52 dBm	-28.52 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.88532 GHz	-38.59 dBm	-25.59 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.94075 GHz	-38.77 dBm	-25.77 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.45866 GHz	-32.37 dBm	-19.37 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65333 GHz	-36.25 dBm	-23.25 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.59909 GHz	-30.65 dBm	-17.65 dB

Date: 4.FEB.2021 22:49:40

FR1 UL-MIMO n78 / 15MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

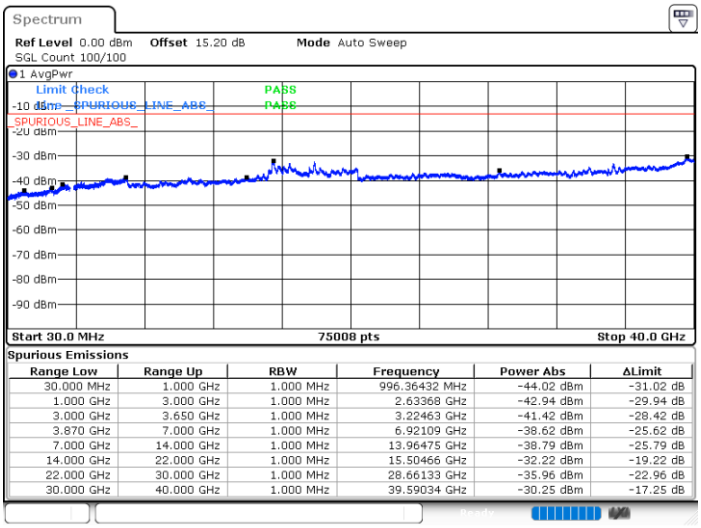


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-44.16 dBm	-31.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50875 GHz	-42.83 dBm	-29.83 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.22430 GHz	-41.40 dBm	-28.40 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.92243 GHz	-38.70 dBm	-25.70 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.92476 GHz	-38.75 dBm	-25.75 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.45516 GHz	-32.26 dBm	-19.26 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64183 GHz	-35.98 dBm	-22.98 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.56034 GHz	-30.58 dBm	-17.58 dB

Date: 3.FEB.2021 07:37:32

Middle Channel / 1RB

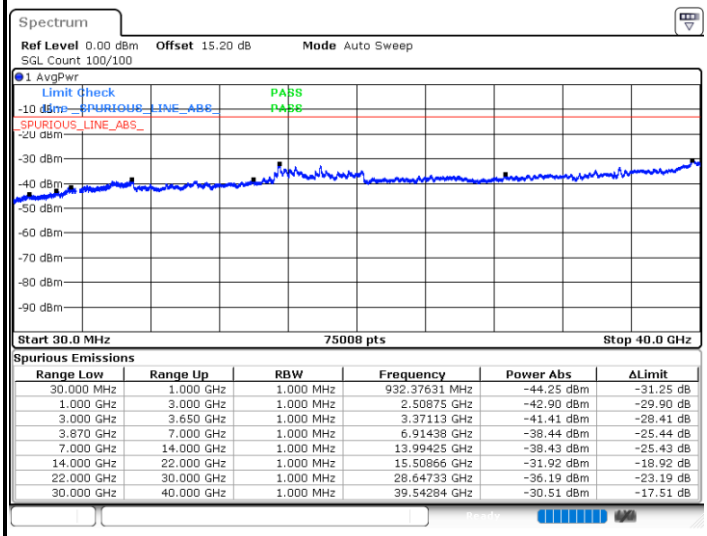


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-44.02 dBm	-31.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63368 GHz	-42.94 dBm	-29.94 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.22463 GHz	-41.42 dBm	-28.42 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.92109 GHz	-38.62 dBm	-25.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.96475 GHz	-38.79 dBm	-25.79 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50466 GHz	-32.22 dBm	-19.22 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.66133 GHz	-35.96 dBm	-22.96 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.59034 GHz	-30.25 dBm	-17.25 dB

Date: 3.FEB.2021 07:33:37

Highest Channel / 1RB



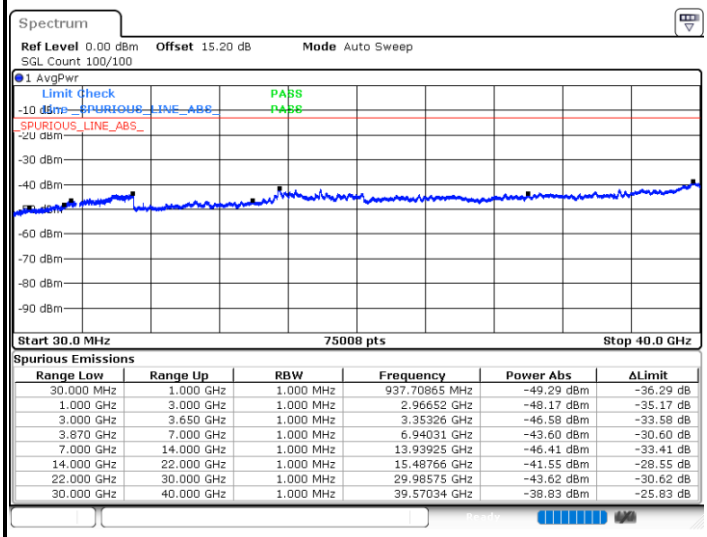
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-44.25 dBm	-31.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50875 GHz	-42.90 dBm	-29.90 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.37113 GHz	-41.41 dBm	-28.41 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91438 GHz	-38.44 dBm	-25.44 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.99425 GHz	-38.43 dBm	-25.43 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50866 GHz	-31.92 dBm	-18.92 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64733 GHz	-36.19 dBm	-23.19 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.54284 GHz	-30.51 dBm	-17.51 dB

Date: 3.FEB.2021 07:39:17

FR1 UL-MIMO n78 / 20MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

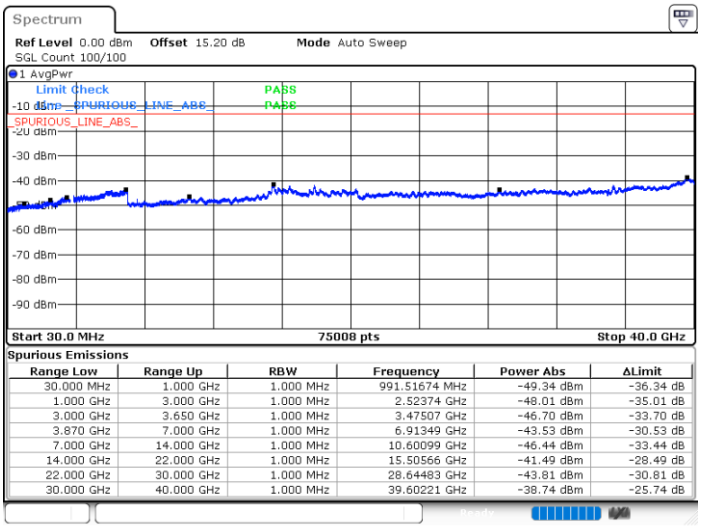


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-49.29 dBm	-36.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96652 GHz	-48.17 dBm	-35.17 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.35326 GHz	-46.58 dBm	-33.58 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.94031 GHz	-43.60 dBm	-30.60 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.93925 GHz	-46.41 dBm	-33.41 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.48766 GHz	-41.55 dBm	-28.55 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.98575 GHz	-43.62 dBm	-30.62 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.57034 GHz	-38.83 dBm	-25.83 dB

Date: 4.FEB.2021 22:03:00

Middle Channel / 1RB

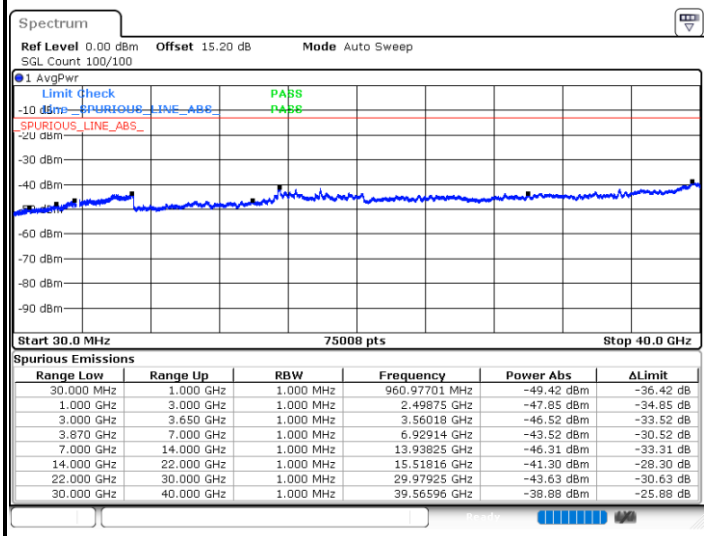


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-49.34 dBm	-36.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52374 GHz	-48.01 dBm	-35.01 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.47507 GHz	-46.70 dBm	-33.70 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91349 GHz	-43.53 dBm	-30.53 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.60099 GHz	-46.44 dBm	-33.44 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50566 GHz	-41.49 dBm	-28.49 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.64483 GHz	-43.81 dBm	-30.81 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.60221 GHz	-38.74 dBm	-25.74 dB

Date: 4.FEB.2021 22:01:51

Highest Channel / 1RB



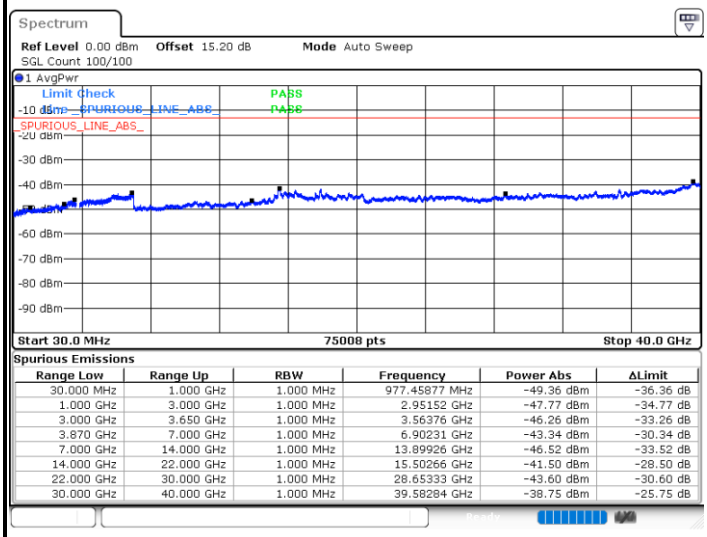
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-49.42 dBm	-36.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49875 GHz	-47.85 dBm	-34.85 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.56018 GHz	-46.52 dBm	-33.52 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.92914 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.93825 GHz	-46.31 dBm	-33.31 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.51816 GHz	-41.30 dBm	-28.30 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.97925 GHz	-43.63 dBm	-30.63 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.56596 GHz	-38.88 dBm	-25.88 dB

Date: 4.FEB.2021 21:54:03

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

Lowest Channel / 1RB

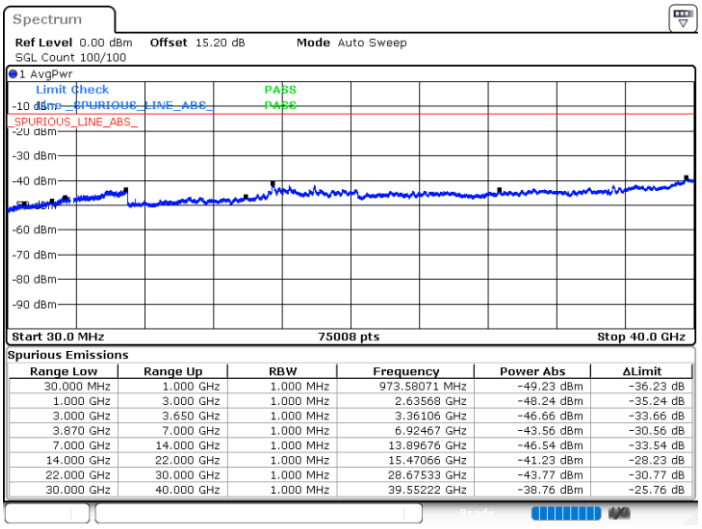


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-49.36 dBm	-36.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95152 GHz	-47.77 dBm	-34.77 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.56376 GHz	-46.26 dBm	-33.26 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.90231 GHz	-43.34 dBm	-30.34 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.89926 GHz	-46.52 dBm	-33.52 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.50266 GHz	-41.50 dBm	-28.50 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65333 GHz	-43.60 dBm	-30.60 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.58284 GHz	-38.75 dBm	-25.75 dB

Date: 3.FEB.2021 06:30:49

Middle Channel / 1RB

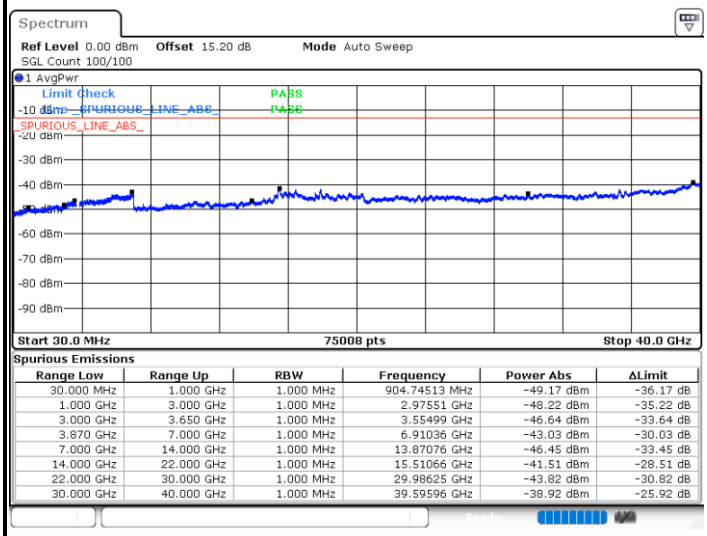


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-49.23 dBm	-36.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63568 GHz	-48.24 dBm	-35.24 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.36106 GHz	-46.66 dBm	-33.66 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.92467 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.89676 GHz	-46.54 dBm	-33.54 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.47066 GHz	-41.23 dBm	-28.23 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.67533 GHz	-43.77 dBm	-30.77 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.55222 GHz	-38.76 dBm	-25.76 dB

Date: 3.FEB.2021 06:23:49

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-49.17 dBm	-36.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97551 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	3.650 GHz	1.000 MHz	3.55499 GHz	-46.64 dBm	-33.64 dB
3.870 GHz	7.000 GHz	1.000 MHz	6.91036 GHz	-43.03 dBm	-30.03 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.87076 GHz	-46.45 dBm	-33.45 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.51066 GHz	-41.51 dBm	-28.51 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.98625 GHz	-43.82 dBm	-30.82 dB
30.000 GHz	40.000 GHz	1.000 MHz	39.59596 GHz	-38.92 dBm	-25.92 dB

Date: 3.FEB.2021 06:47:08

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	0.0016	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0027	
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 n78 UL_MIMO HPUE -SCS 30K

Peak-to-Average Ratio

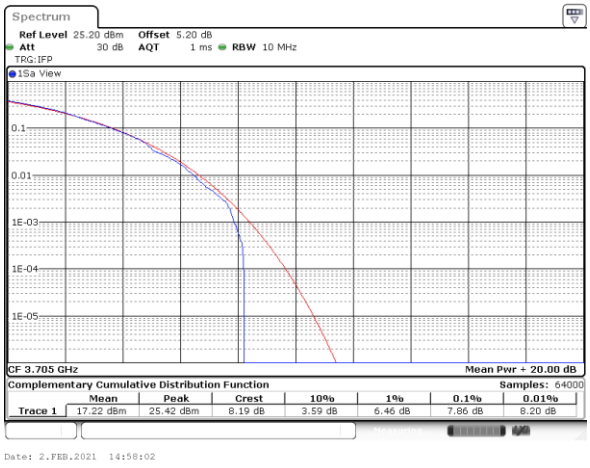
Mode	FR1 UL-MIMO n78 / 10MHz / CP-OFDM (M2)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.86	8.17			PASS
Middle CH	8.49	8.52			
Highest CH	7.94	8.32			

Mode	FR1 UL-MIMO n78 / 10MHz / CP-OFDM (M)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.65	8.32			PASS
Middle CH	7.57	8.12			
Highest CH	7.45	7.94			

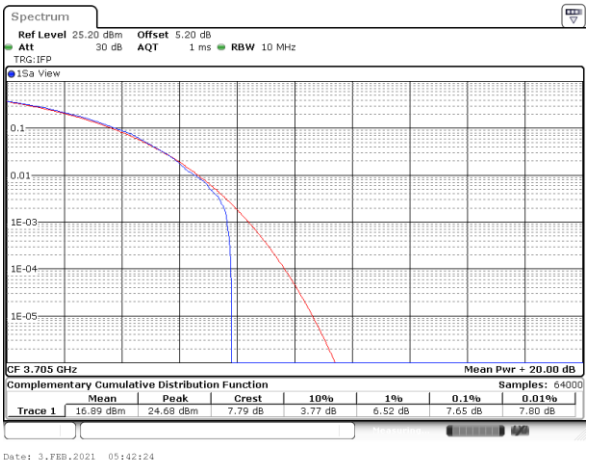
FR1 UL-MIMO n78 / 20MHz / CP-OFDM

QPSK(M2)

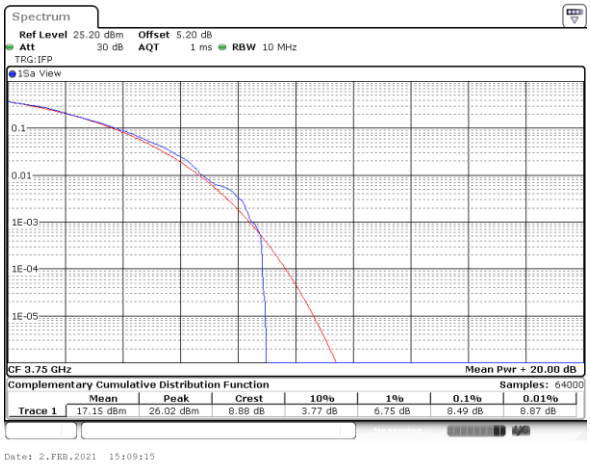
Lowest Channel / 1RB



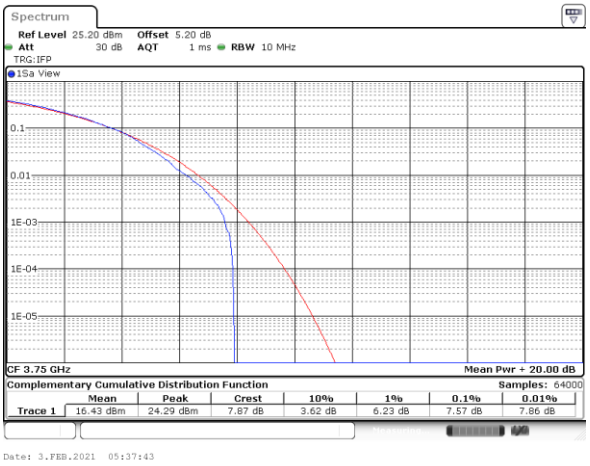
Lowest Channel / 1RB



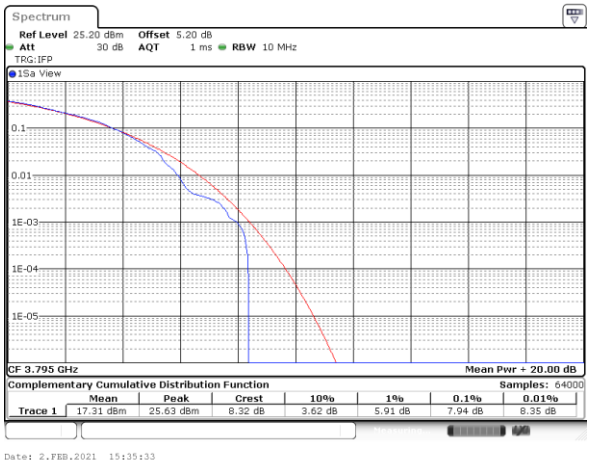
Middle Channel / 1 RB



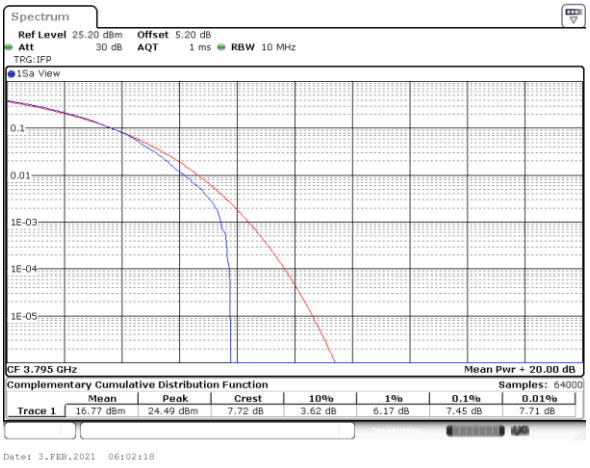
Middle Channel / 1 RB



Highest Channel / 1 RB



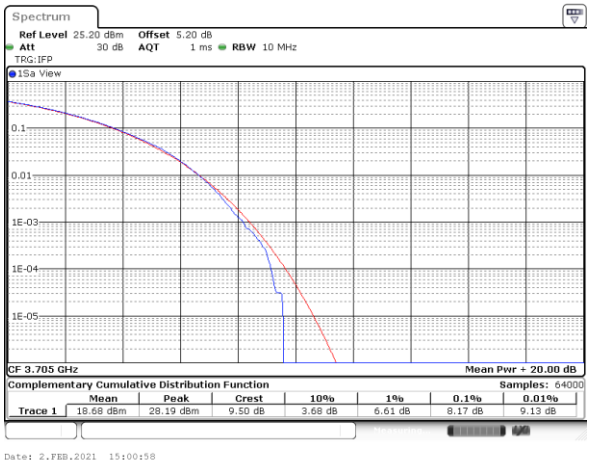
Highest Channel / 1 RB



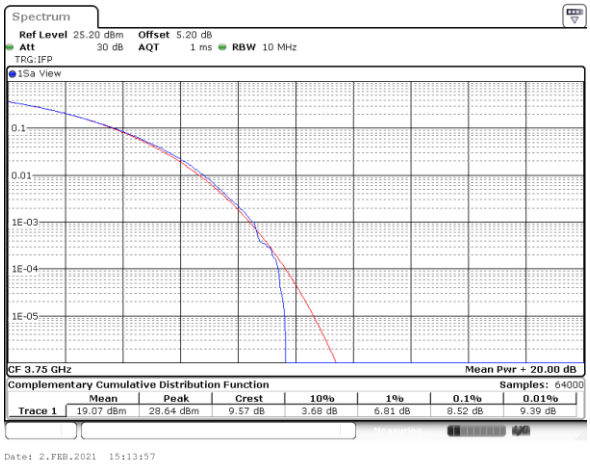
FR1 UL-MIMO n78 / 20MHz / CP-OFDM

QPSK(M2)

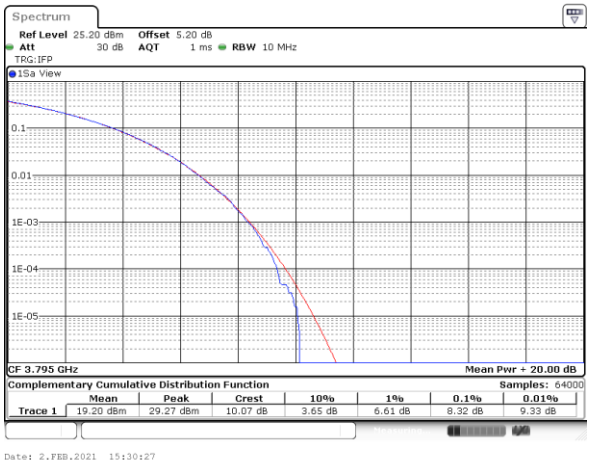
Lowest Channel / Full RB



Middle Channel / Full RB

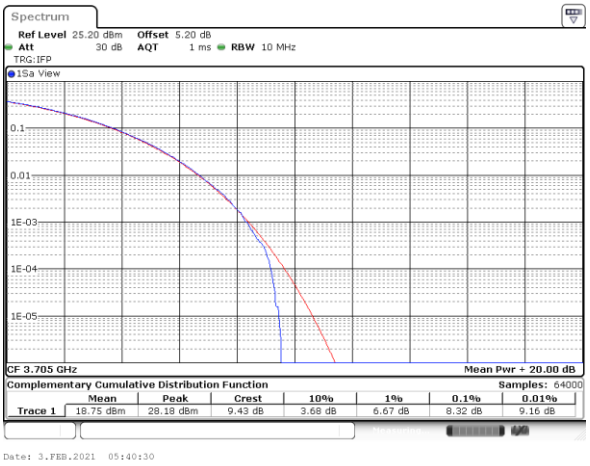


Highest Channel / Full RB

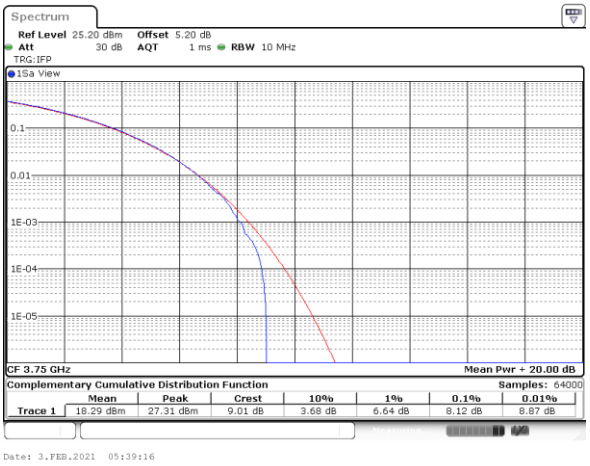


QPSK(M)

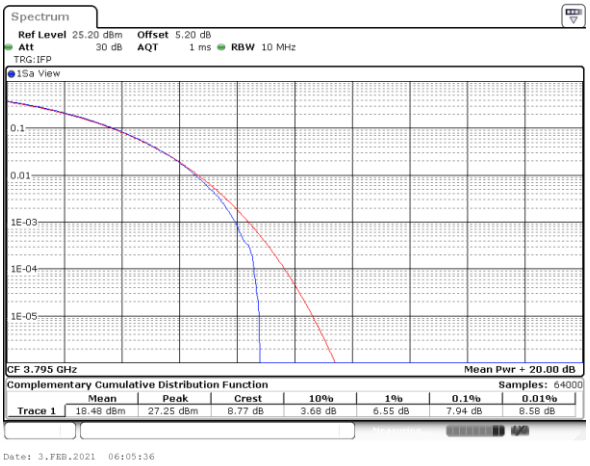
Lowest Channel / Full RB



Middle Channel / Full RB



Highest Channel / Full RB



26dB Bandwidth

Mode	FR1 UL-MIMO n78 : 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	8.97	9.07	9.15	9.15	9.25	8.97	9.19	9.27

Mode	FR1 UL-MIMO n78 : 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	14.29	14.32	14.32	14.32	14.38	14.41	14.44	14.29

Mode	FR1 UL-MIMO n78 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	19.18	19.14	19.10	18.98	19.34	19.26	19.06	18.94

Mode	FR1 UL-MIMO n78 : 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	40.2	40.36	40.44	40.28	40.2	40.519	40.36	40.59

Mode	FR1 UL-MIMO n78 : 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	49.65	49.75	49.75	49.75	49.75	49.55	49.75

Mode	FR1 UL-MIMO n78 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	60.18	60.54	60.3	60.42	60.54	60.42	60.42	60.42

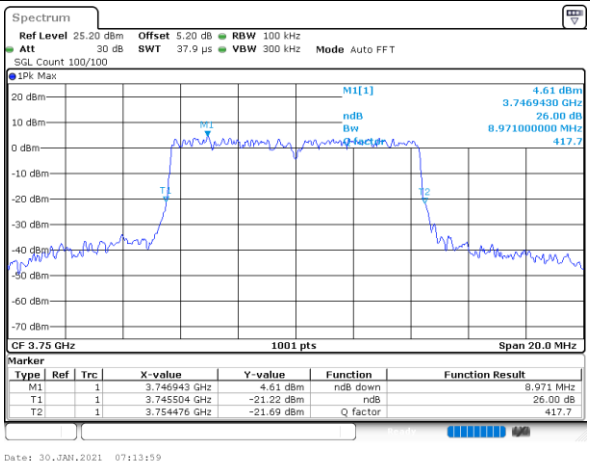
Mode	FR1 UL-MIMO n78 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	79.92	79.92	79.92	79.76	79.92	79.92	79.92	79.92

Mode	FR1 UL-MIMO n78 : 26dB BW(MHz) / CP-OFDM							
	M2				M			
BW	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	100.3	100.5	100.3	100.5	100.9	100.3	100.5	100.3

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

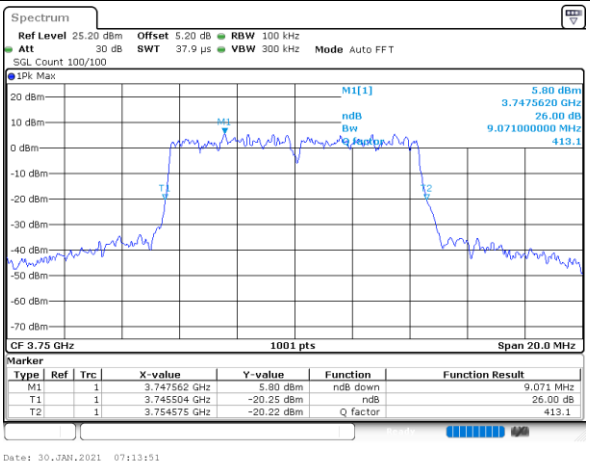
QPSK

Middle Channel



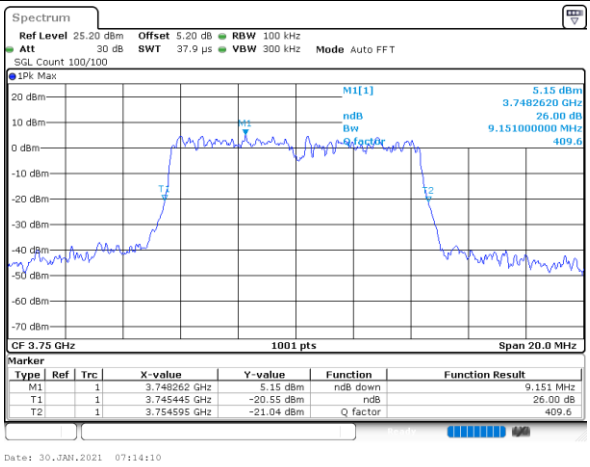
16QAM

Middle Channel



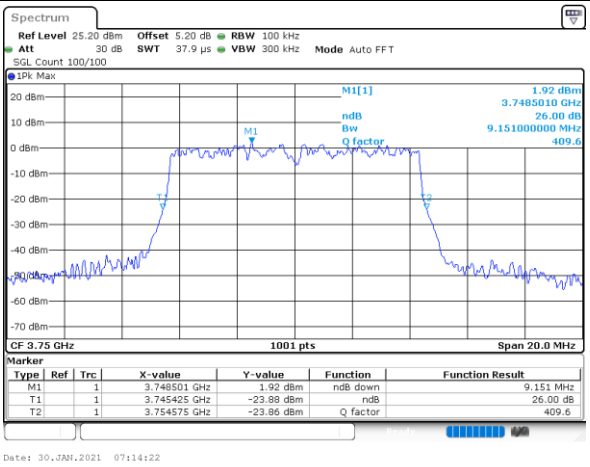
64QAM

Middle Channel



256QAM

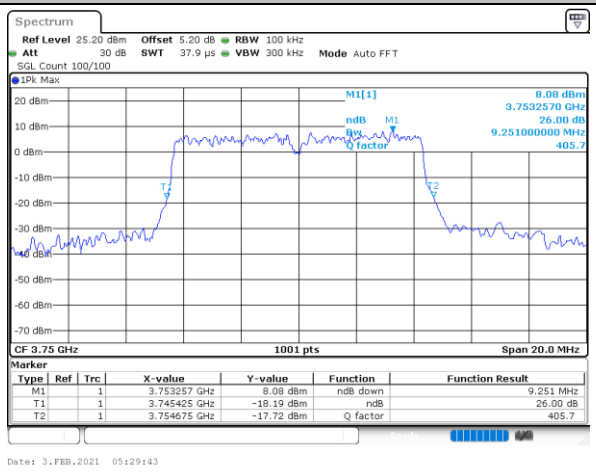
Middle Channel



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

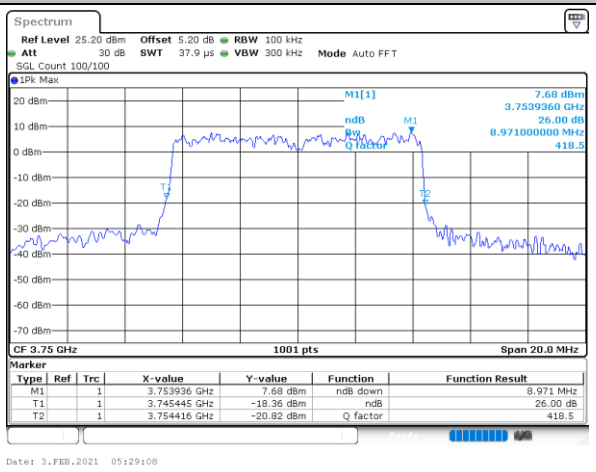
QPSK

Middle Channel



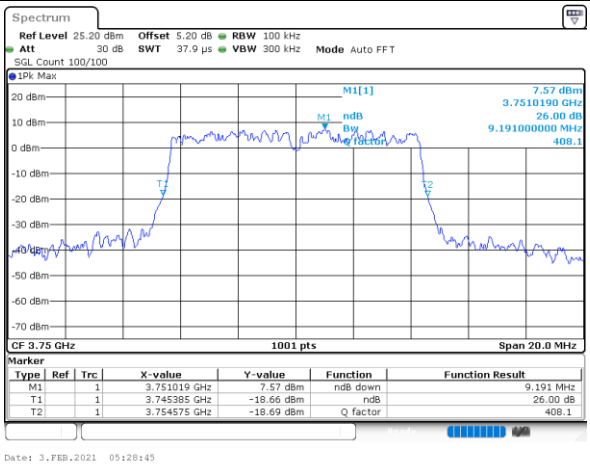
16QAM

Middle Channel



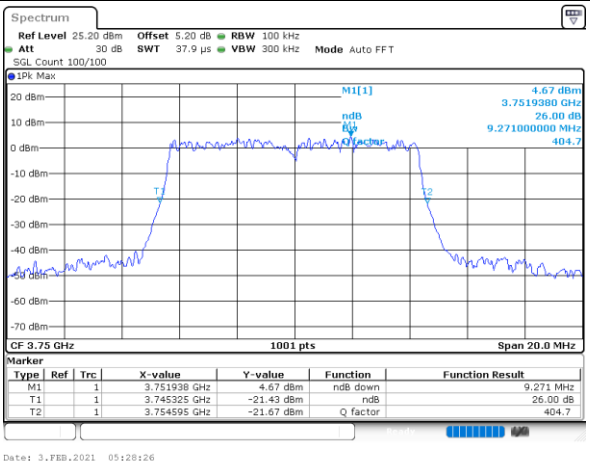
64QAM

Middle Channel



256QAM

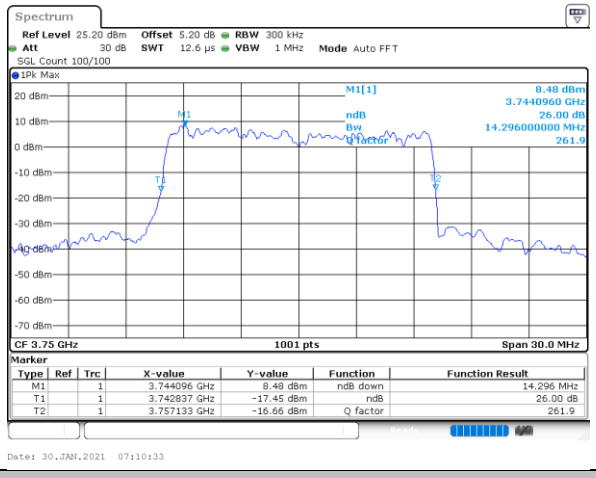
Middle Channel



FR1 UL-MIMO n78 / 15MHz / CP-OFDM (M2)

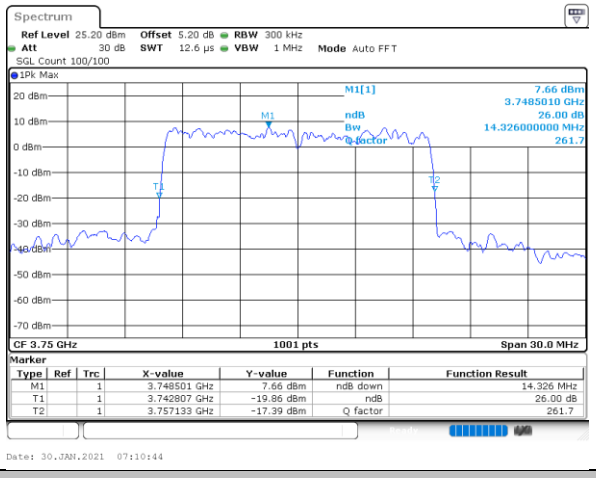
QPSK

Middle Channel



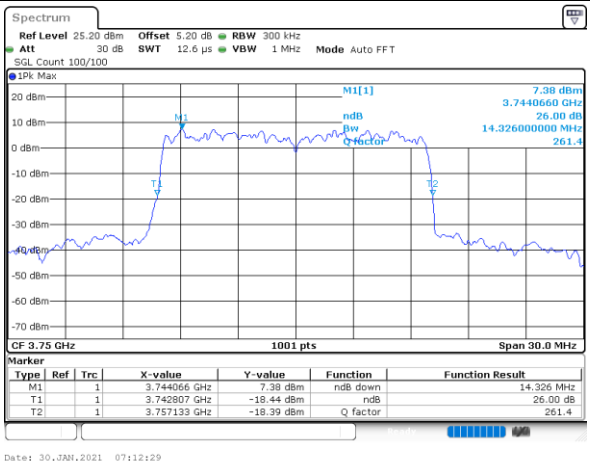
16QAM

Middle Channel



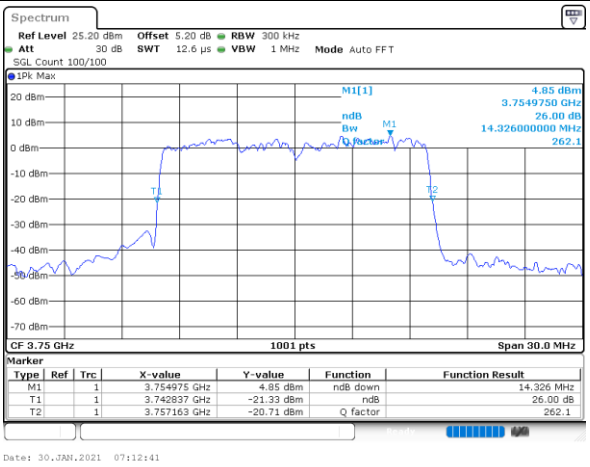
64QAM

Middle Channel



256QAM

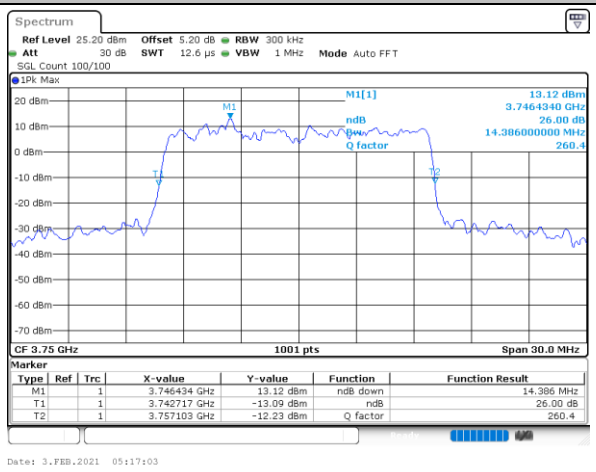
Middle Channel



FR1 UL-MIMO n78 / 15MHz / CP-OFDM (M)

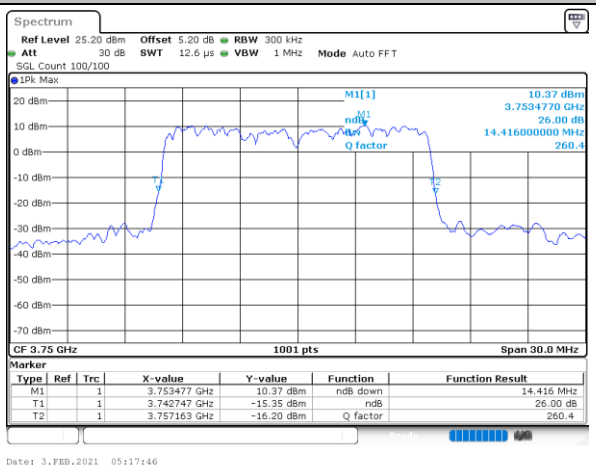
QPSK

Middle Channel



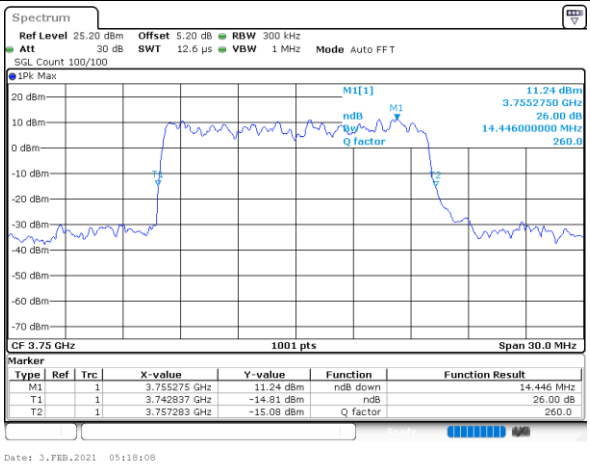
16QAM

Middle Channel



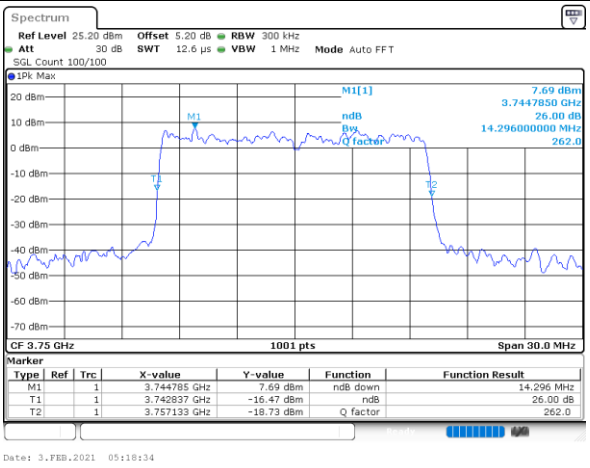
64QAM

Middle Channel



256QAM

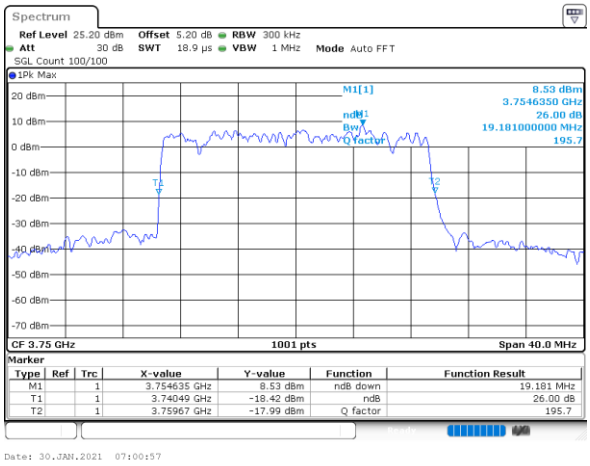
Middle Channel



FR1 UL-MIMO n78 / 20MHz / CP-OFDM (M2)

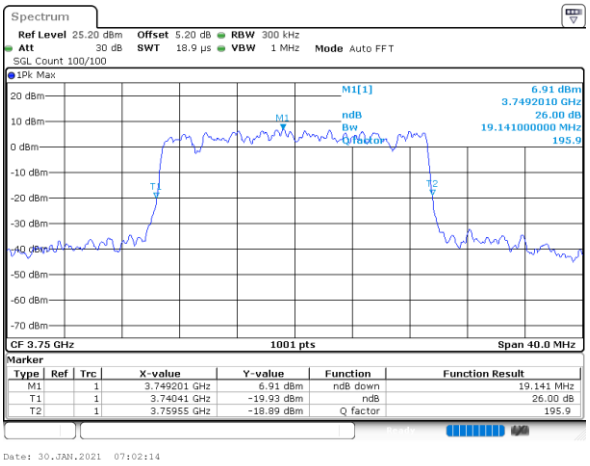
QPSK

Middle Channel



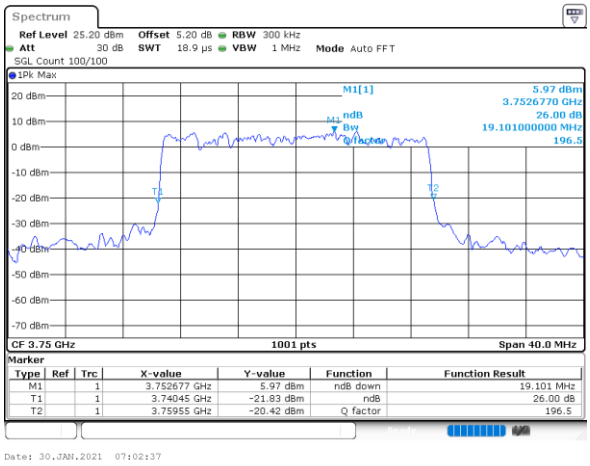
16QAM

Middle Channel



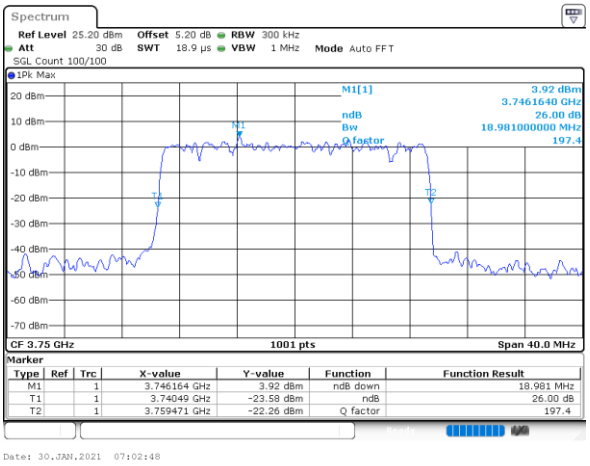
64QAM

Middle Channel



256QAM

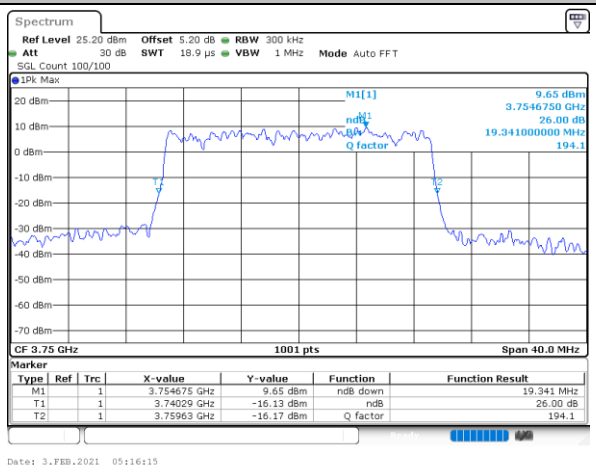
Middle Channel



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

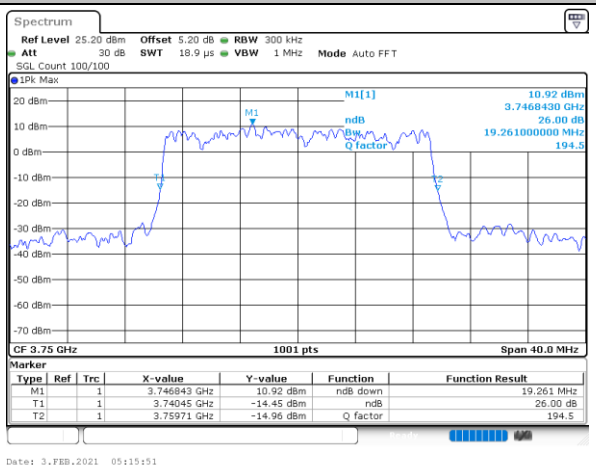
QPSK

Middle Channel



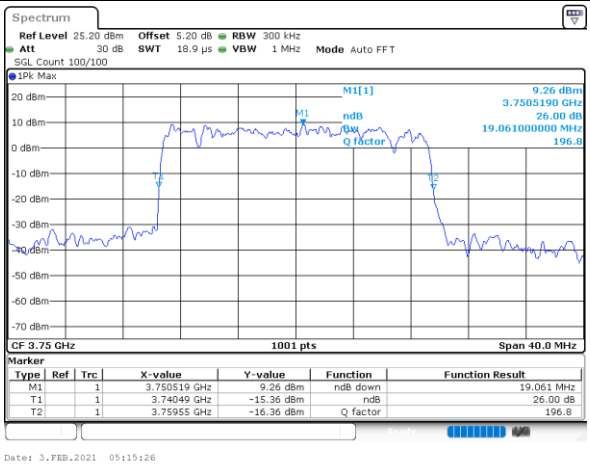
16QAM

Middle Channel



64QAM

Middle Channel



256QAM

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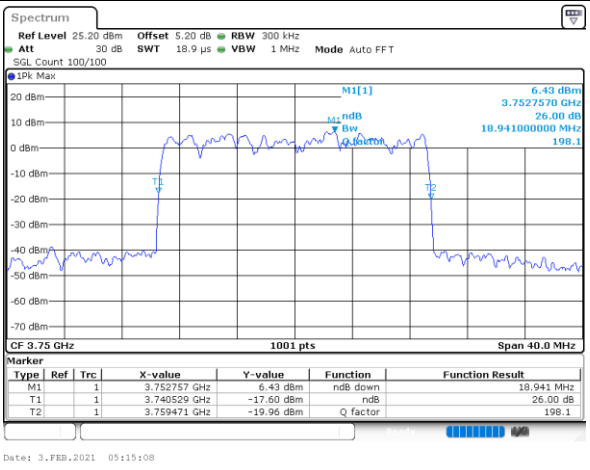
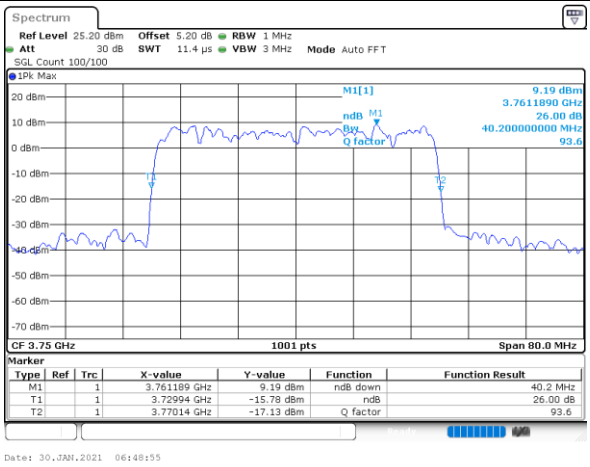


FR1 UL-MIMO n78 / 40MHz / CP-OFDM (M2)

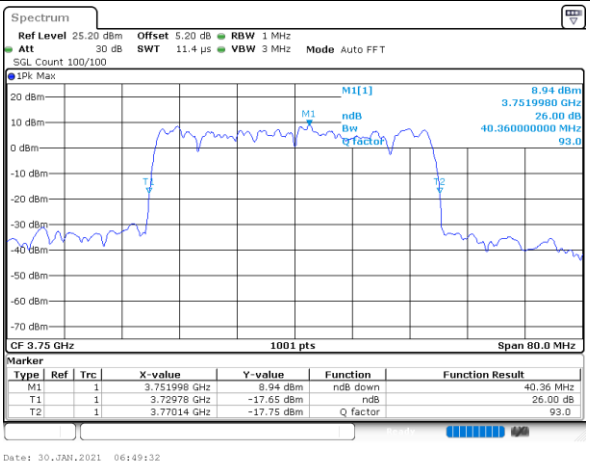
QPSK

Middle Channel



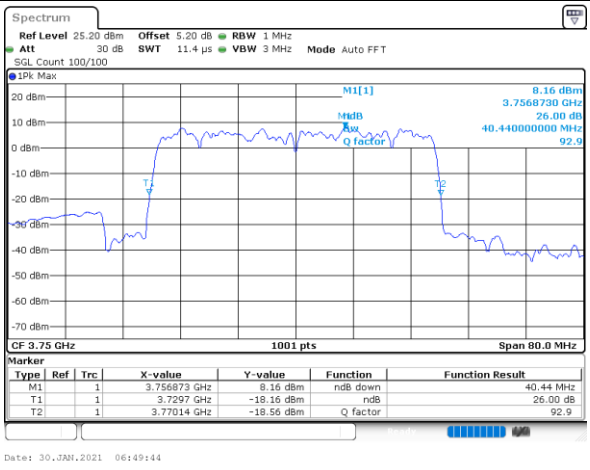
16QAM

Middle Channel



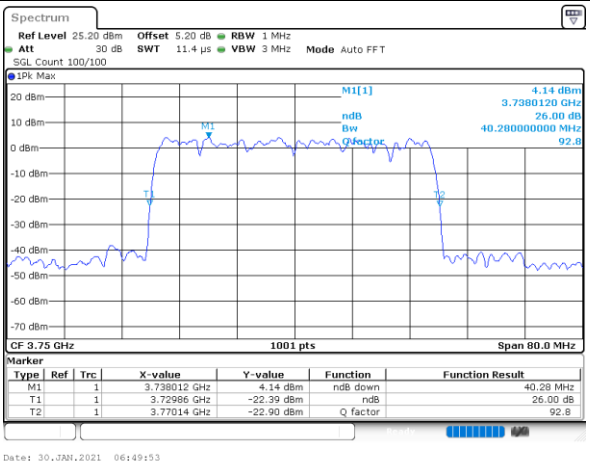
64QAM

Middle Channel



256QAM

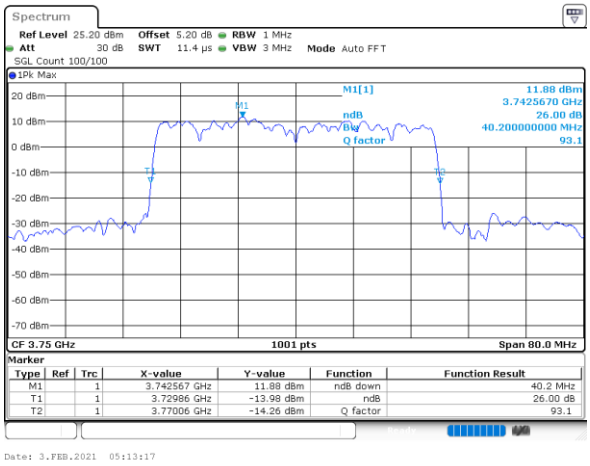
Middle Channel



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

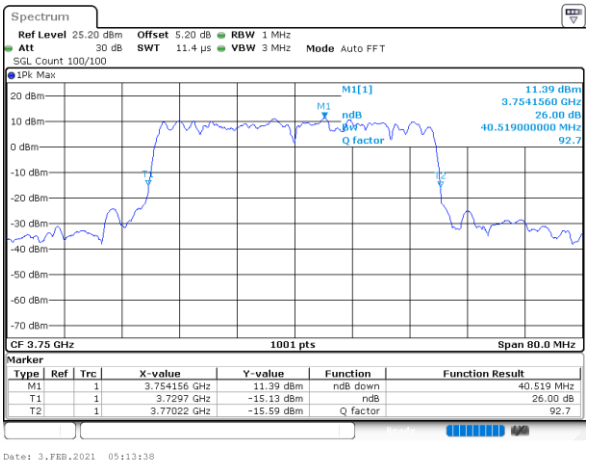
QPSK

Middle Channel



16QAM

Middle Channel



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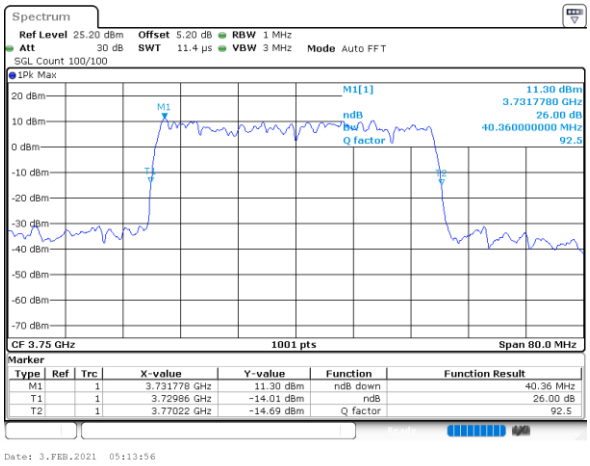
Middle Channel



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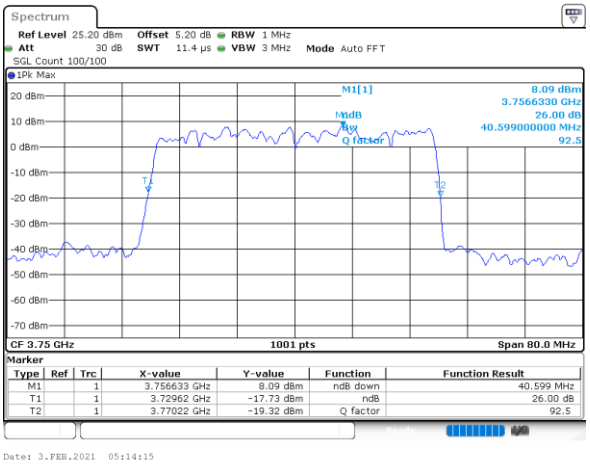
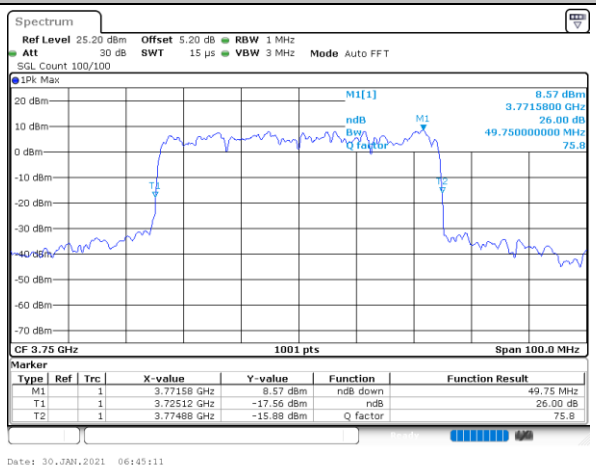
Middle Channel



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

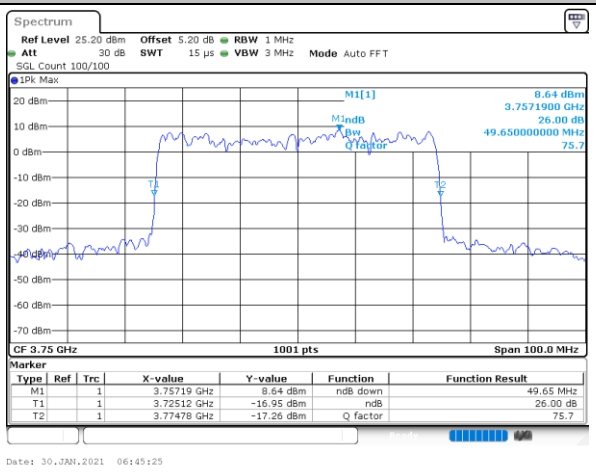
QPSK

Middle Channel



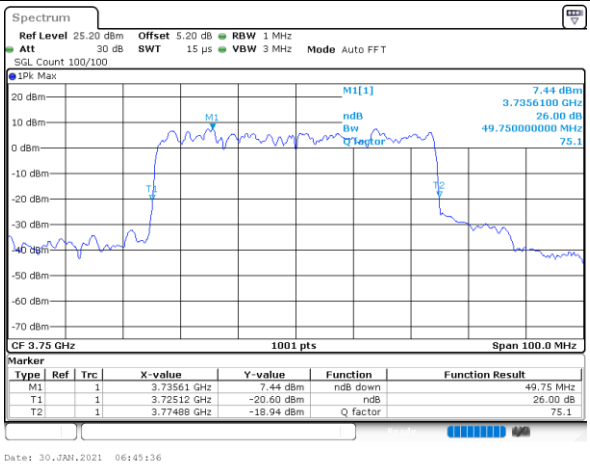
16QAM

Middle Channel



64QAM

Middle Channel



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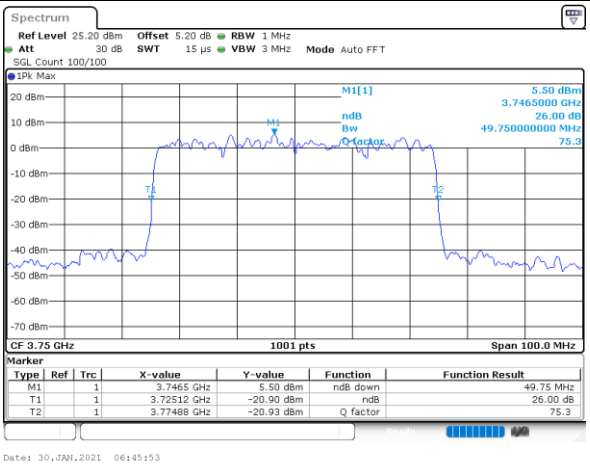
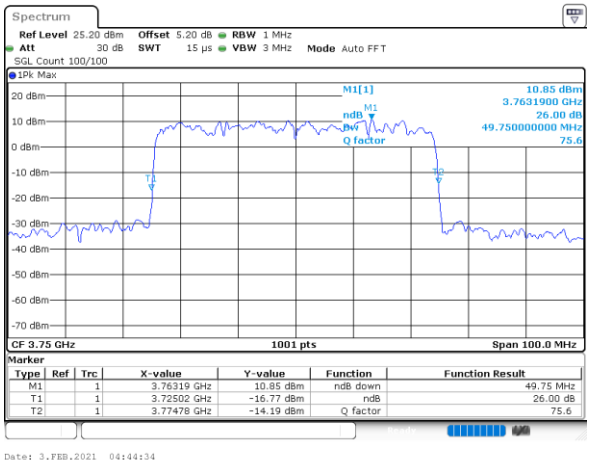
Middle Channel



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

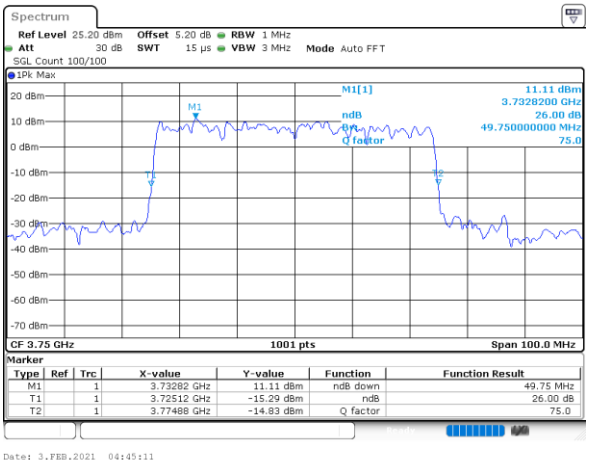
QPSK

Middle Channel



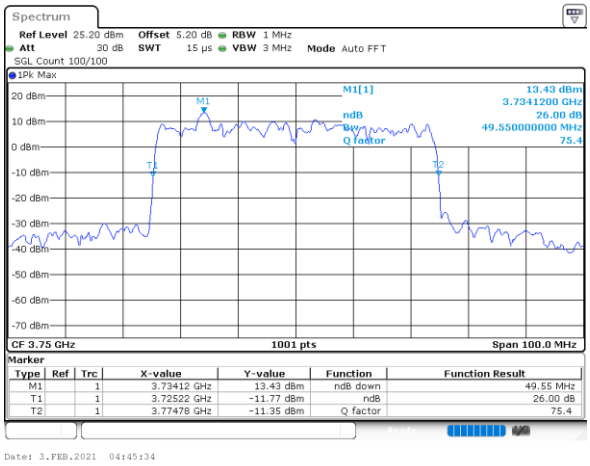
16QAM

Middle Channel



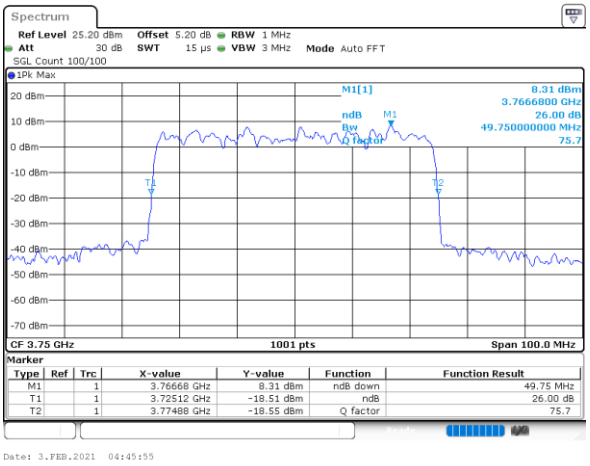
64QAM

Middle Channel



256QAM

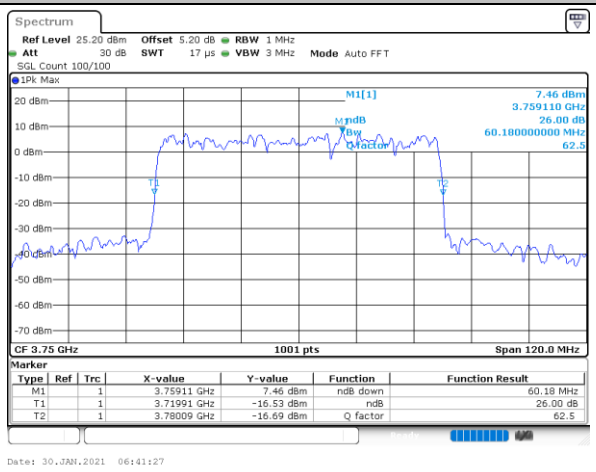
Middle Channel



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

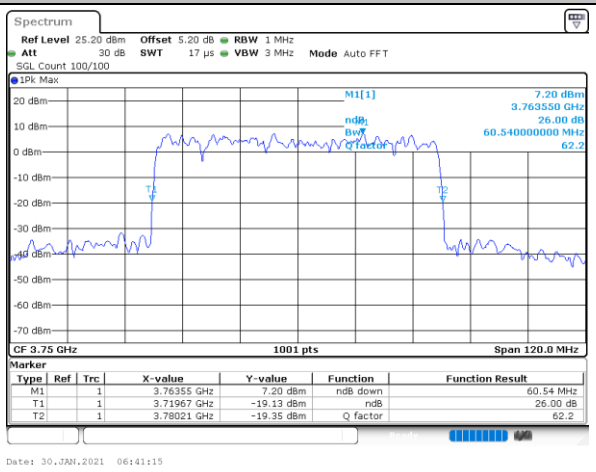
QPSK

Middle Channel



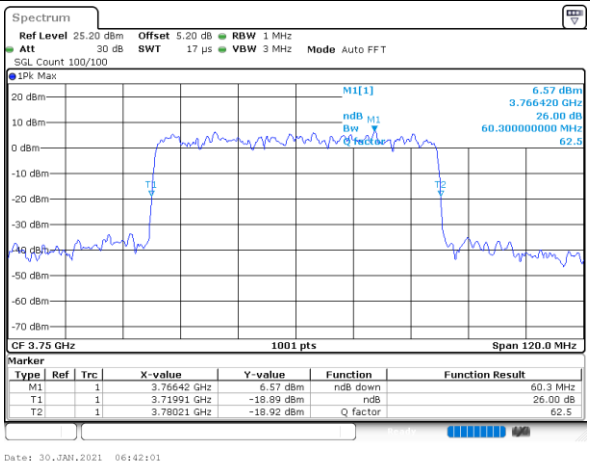
16QAM

Middle Channel



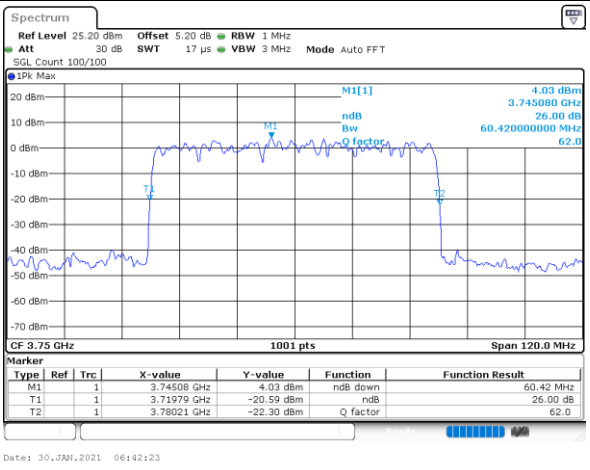
64QAM

Middle Channel



256QAM

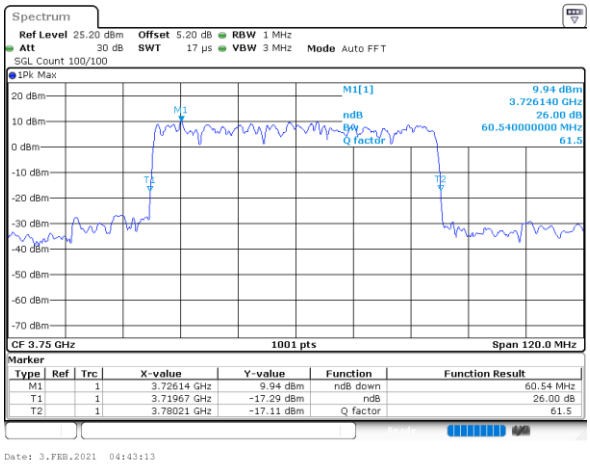
Middle Channel



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

QPSK

Middle Channel



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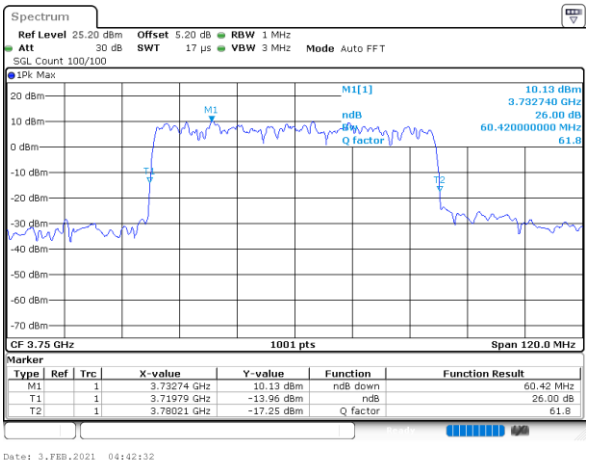
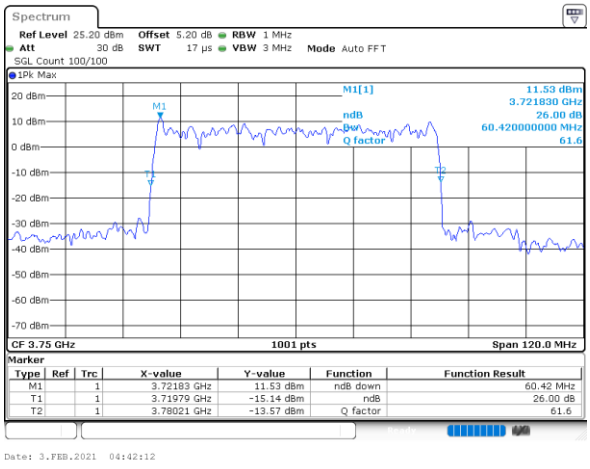
Middle Channel



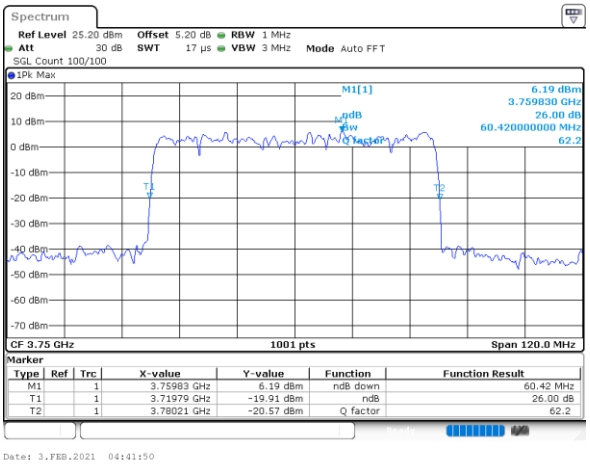
64QAM

Middle Channel



256QAM

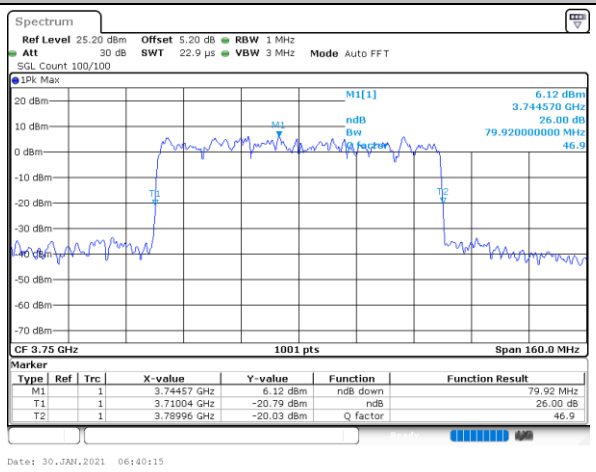
Middle Channel



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

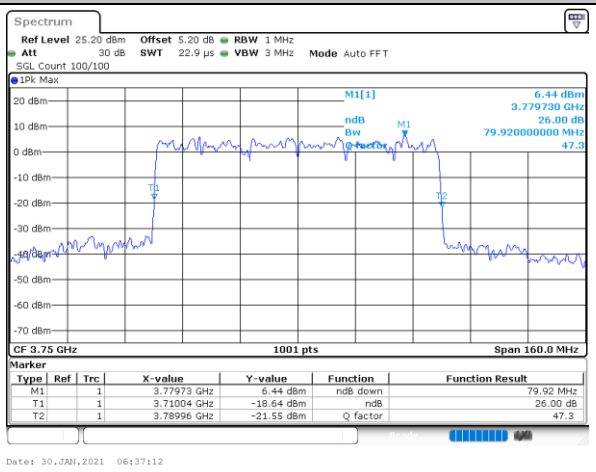
QPSK

Middle Channel



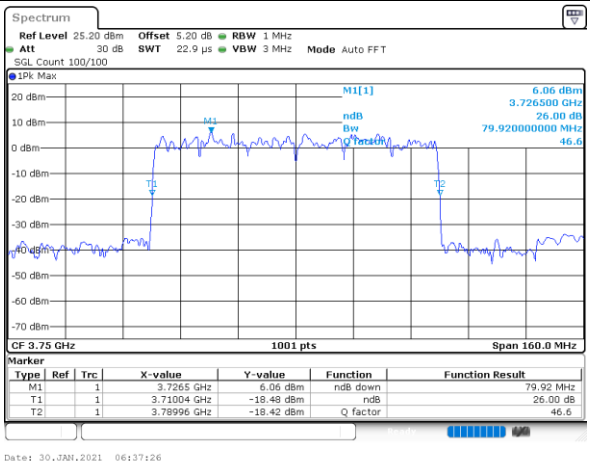
16QAM

Middle Channel



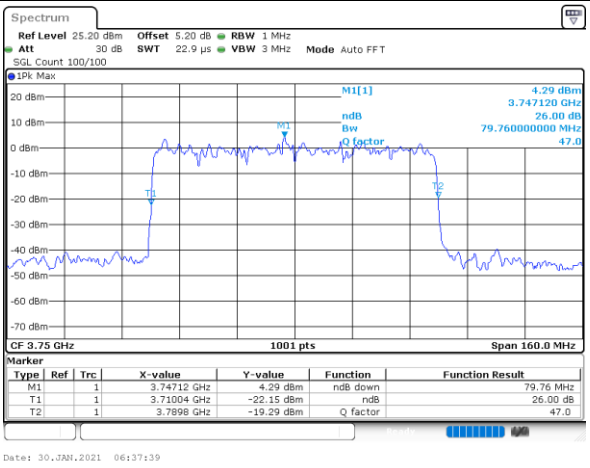
64QAM

Middle Channel



256QAM

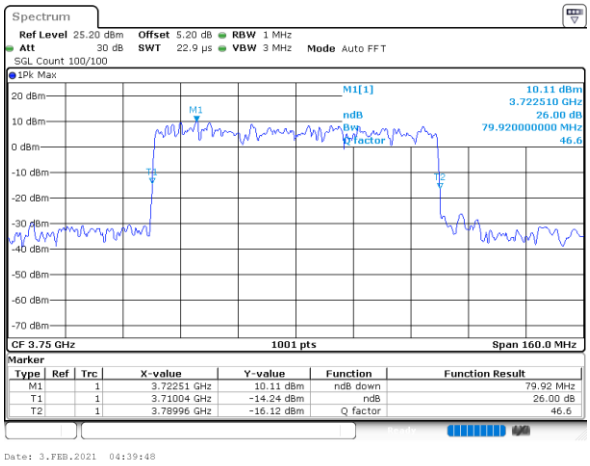
Middle Channel



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

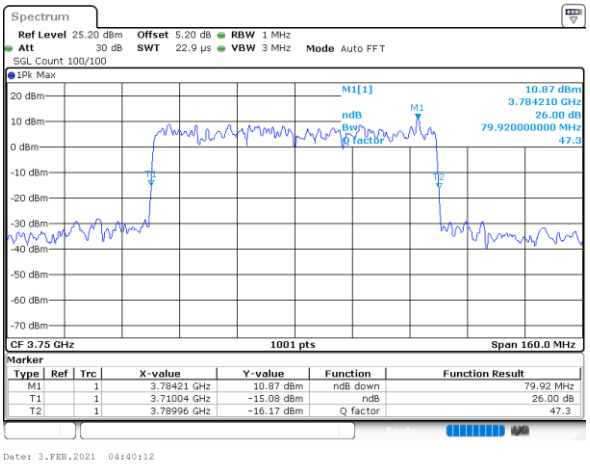
QPSK

Middle Channel



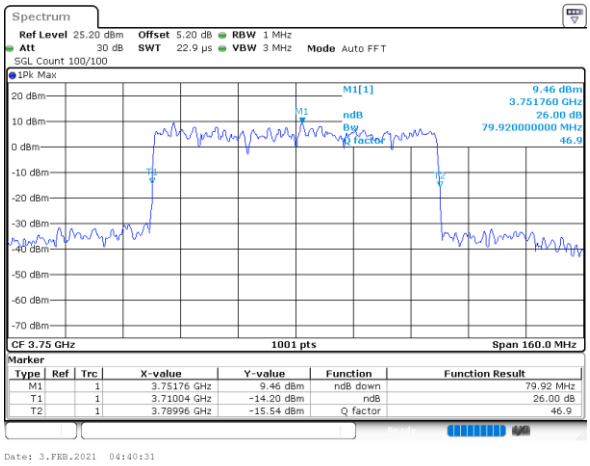
16QAM

Middle Channel



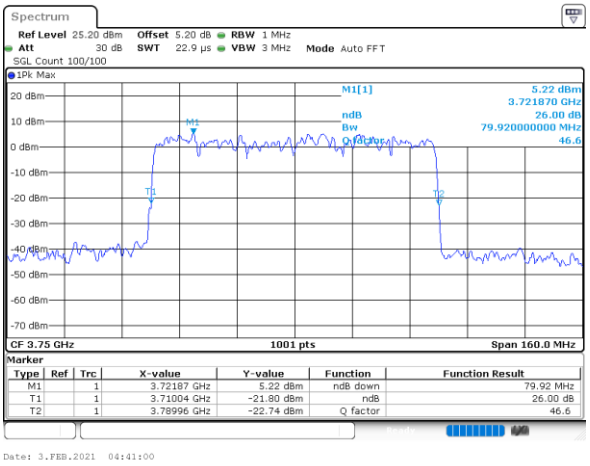
64QAM

Middle Channel



256QAM

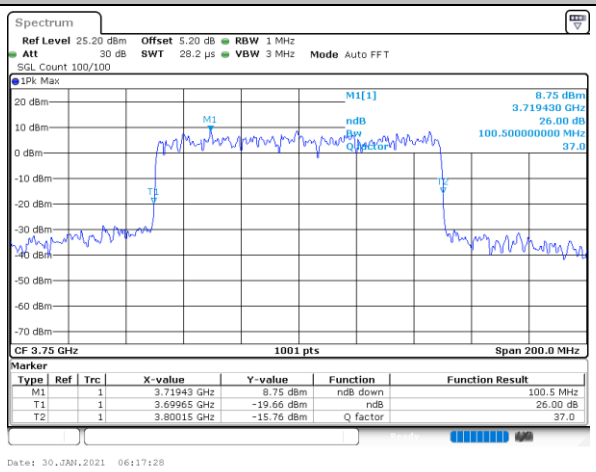
Middle Channel



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

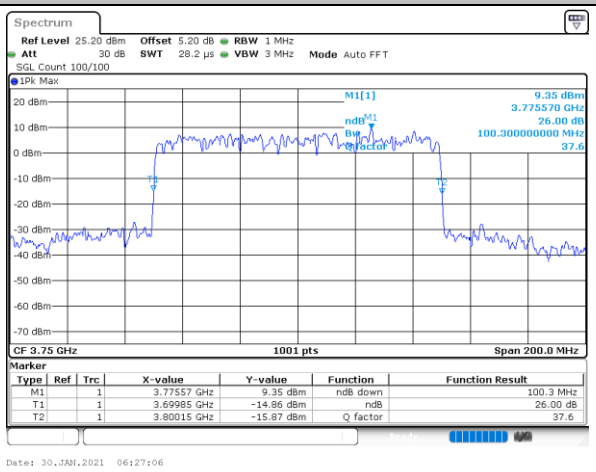
QPSK

Middle Channel



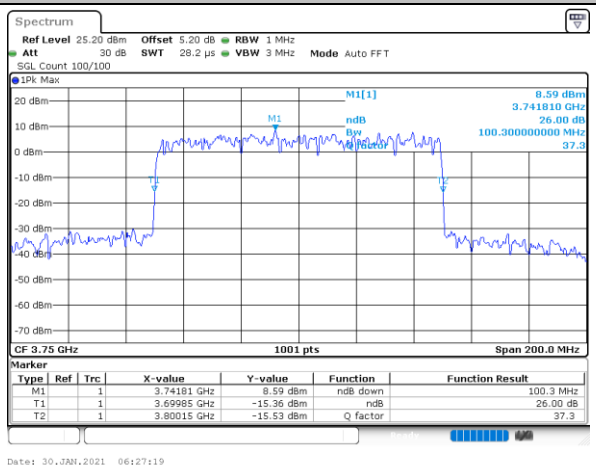
16QAM

Middle Channel



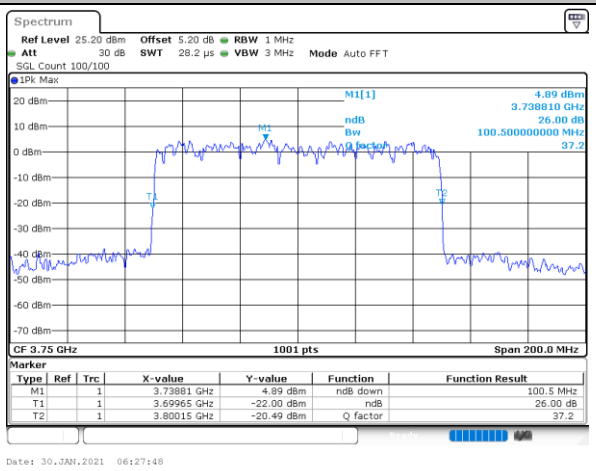
64QAM

Middle Channel



256QAM

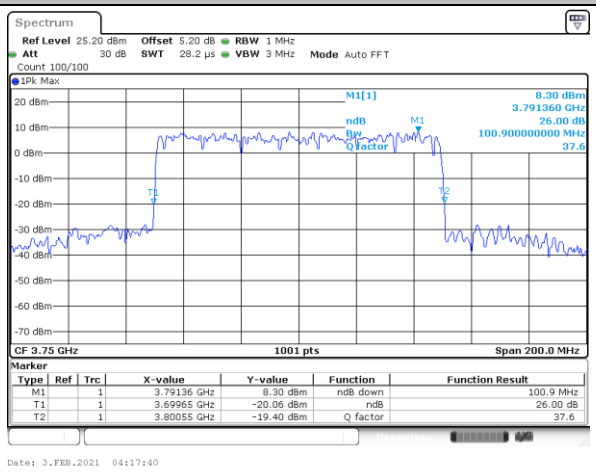
Middle Channel



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

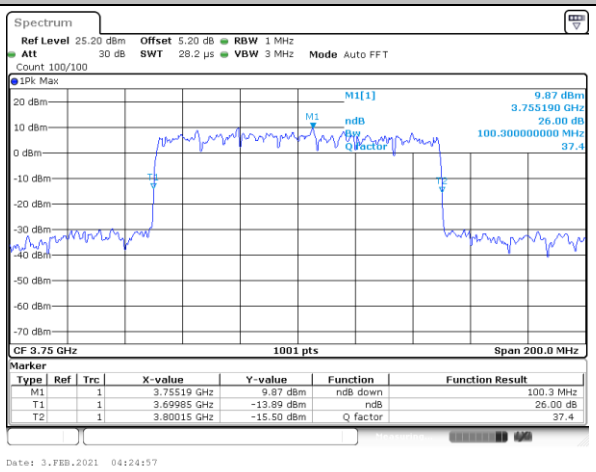
QPSK

Middle Channel



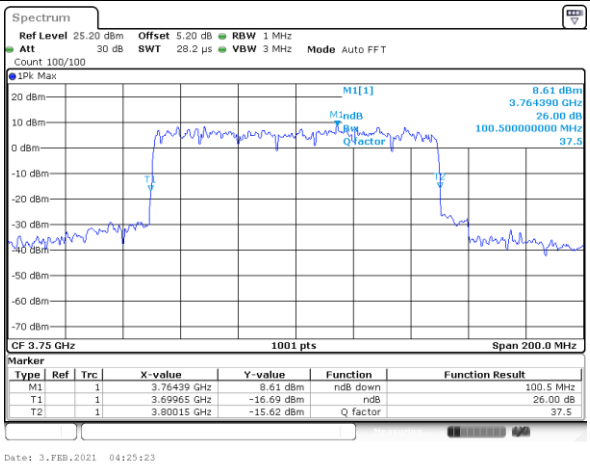
16QAM

Middle Channel



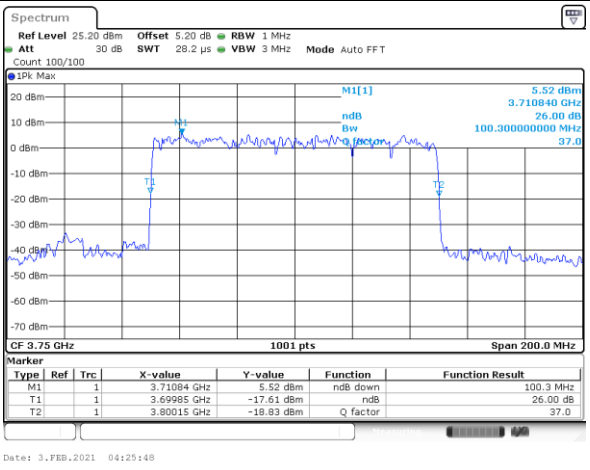
64QAM

Middle Channel



256QAM

Middle Channel



Occupied Bandwidth

Mode	FR1 UL-MIMO n78 : 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	8.57	8.57	8.57	8.53	8.59	8.59	8.55

Mode	FR1 UL-MIMO n78 : 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	13.55	13.58	13.61	13.64	13.58	13.52	13.61	13.64

Mode	FR1 UL-MIMO n78 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	18.22	18.14	18.30	18.22	18.26	18.30	18.46	18.34

Mode	FR1 UL-MIMO n78 : 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	37.88	37.96	37.96	38.12	38.12	38.04	38.04	38.04

Mode	FR1 UL-MIMO n78 : 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	47.15	47.45	47.55	47.25	47.95	47.65	47.55	47.05

Mode	FR1 UL-MIMO n78 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	57.54	57.66	57.78	57.66	57.90	57.54	57.78	57.78

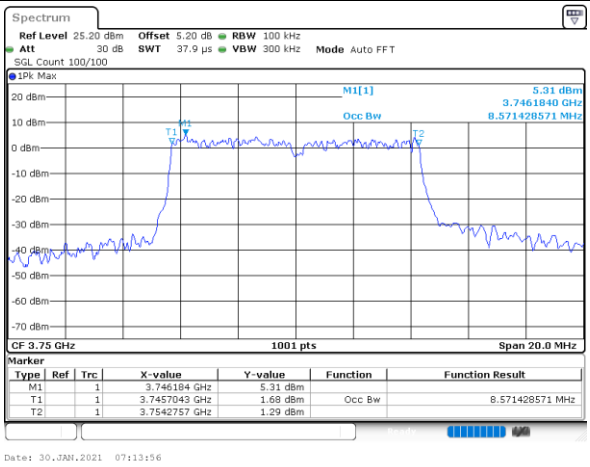
Mode	FR1 UL-MIMO n78 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	77.52	77.04	77.52	77.52	77.52	77.52	77.68	77.52

Mode	FR1 UL-MIMO n78 : OBW(MHz) / CP-OFDM							
	M2				M			
BW	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	97.10	97.30	96.90	96.90	97.50	96.70	97.30	97.30

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

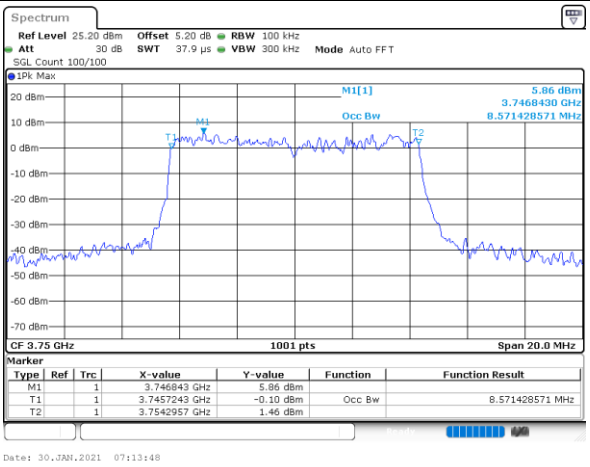
QPSK

Middle Channel



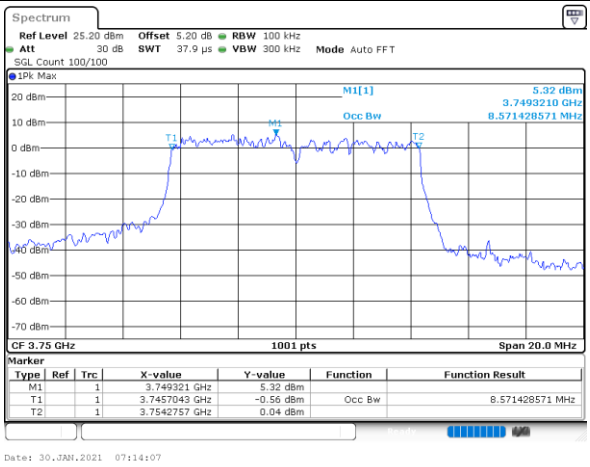
16QAM

Middle Channel



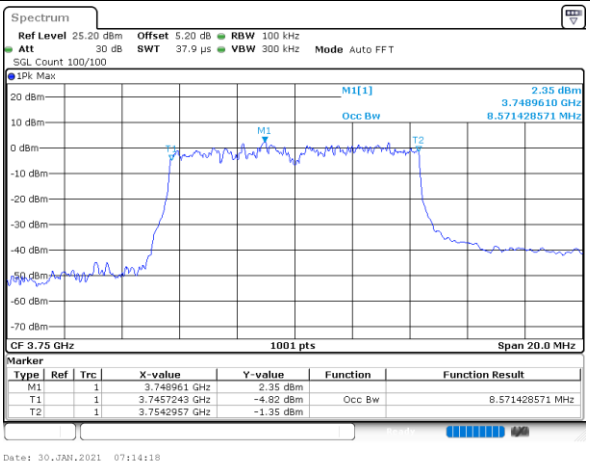
64QAM

Middle Channel



256QAM

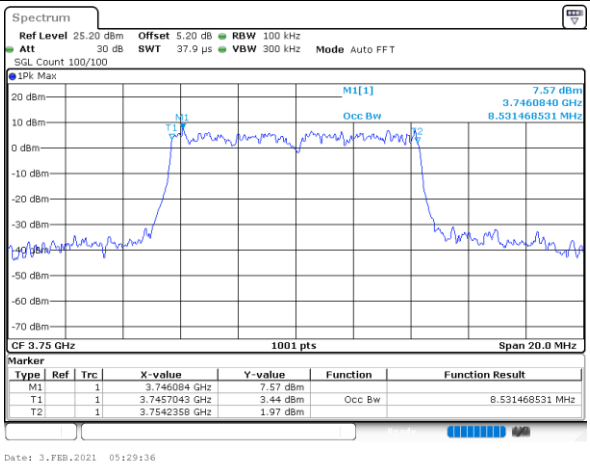
Middle Channel



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

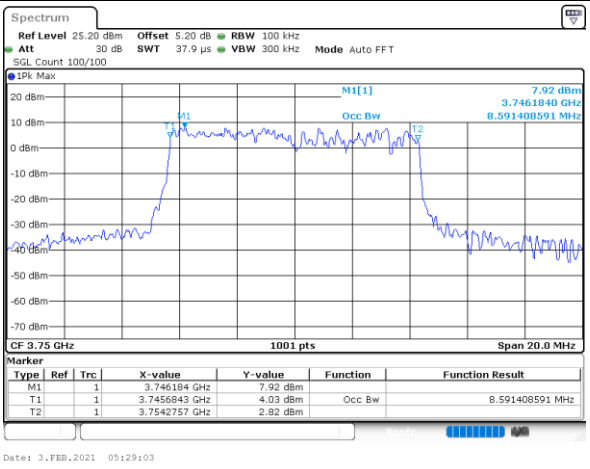
QPSK

Middle Channel



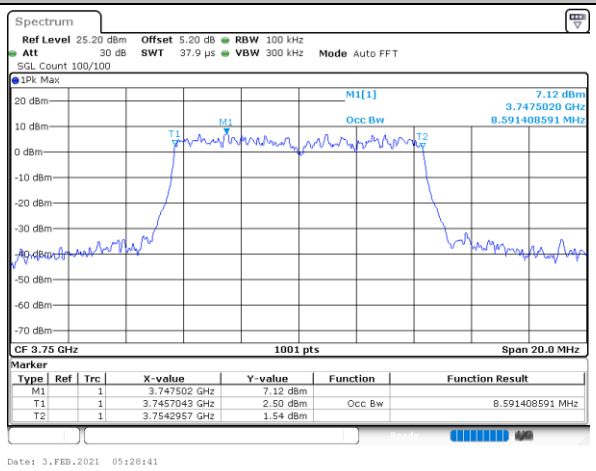
16QAM

Middle Channel



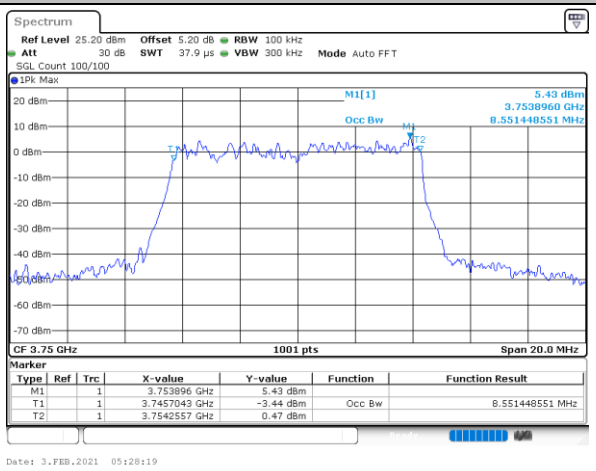
64QAM

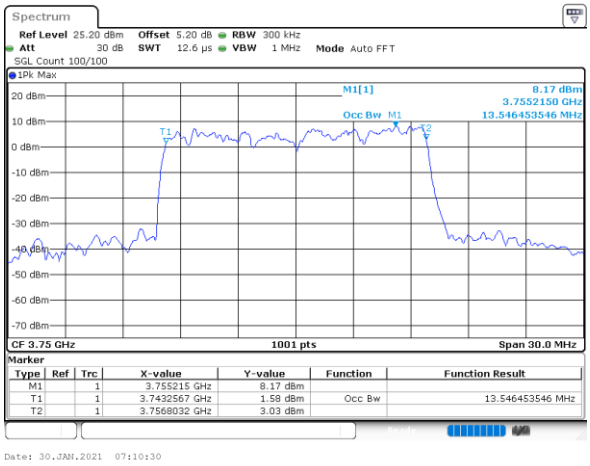
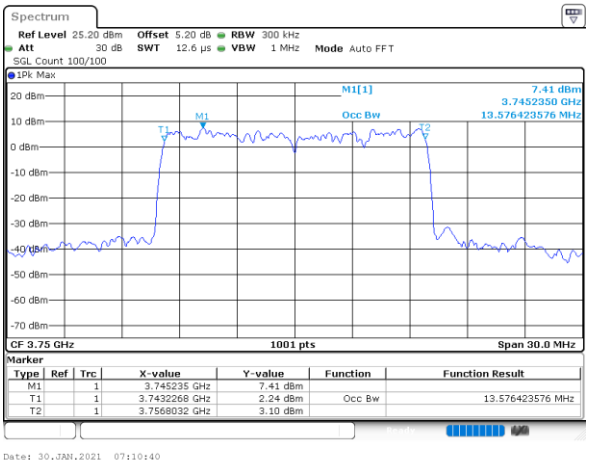
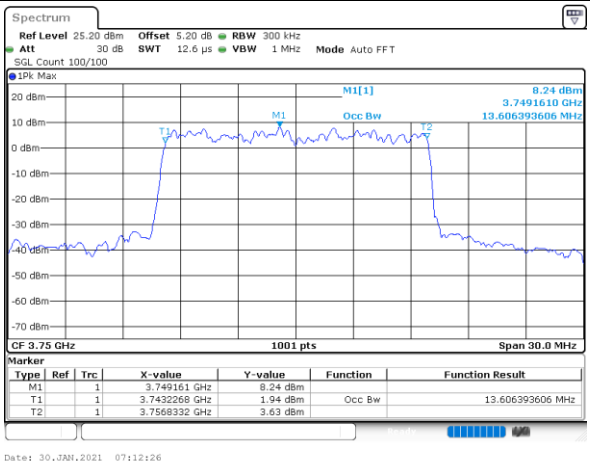
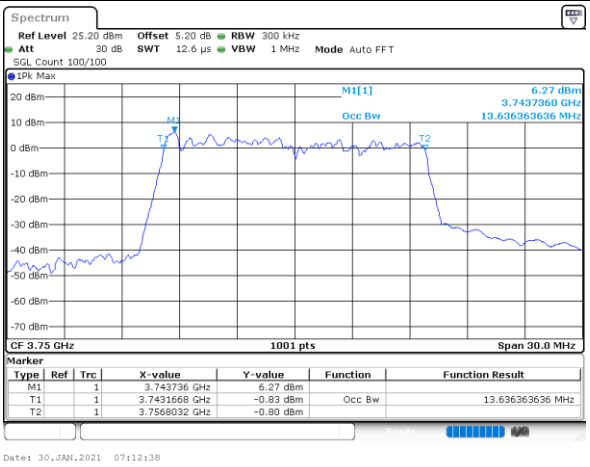
Middle Channel



256QAM

Middle Channel

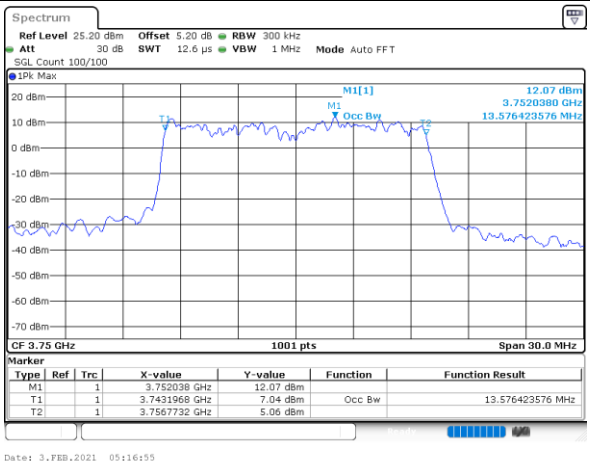


FR1 UL-MIMO n78 / 15MHz / CP-OFDM (M2)	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 UL-MIMO n78 / 15MHz / CP-OFDM (M)

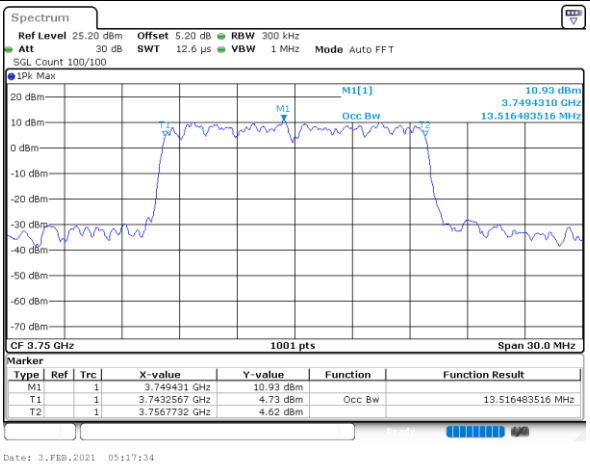
QPSK

Middle Channel



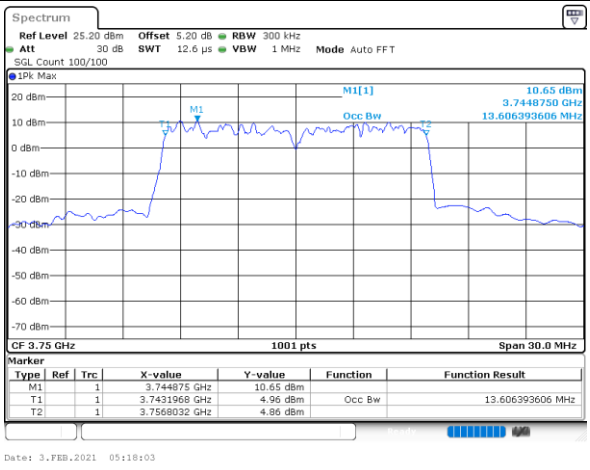
16QAM

Middle Channel



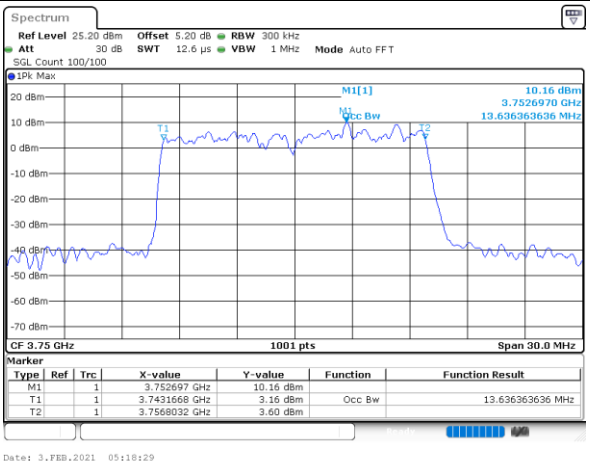
64QAM

Middle Channel



256QAM

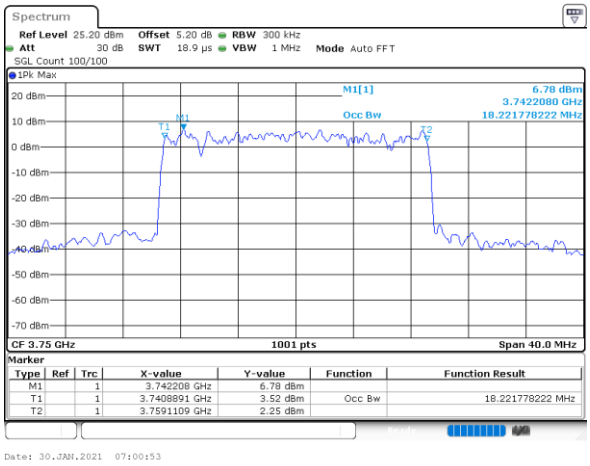
Middle Channel



FR1 UL-MIMO n78 / 20MHz / CP-OFDM (M2)

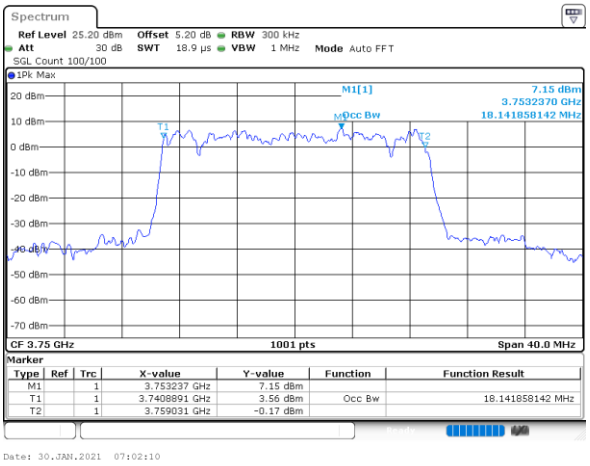
QPSK

Middle Channel



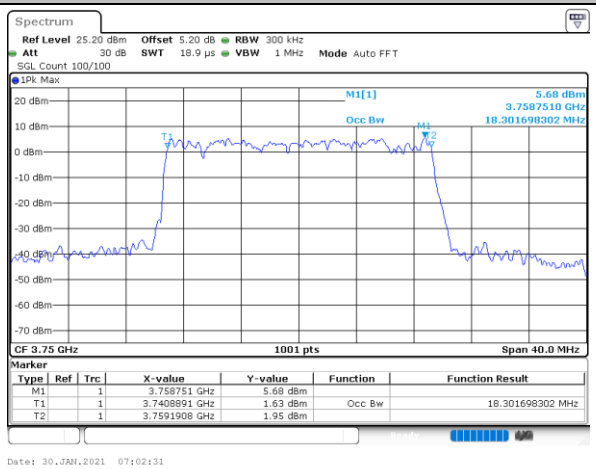
16QAM

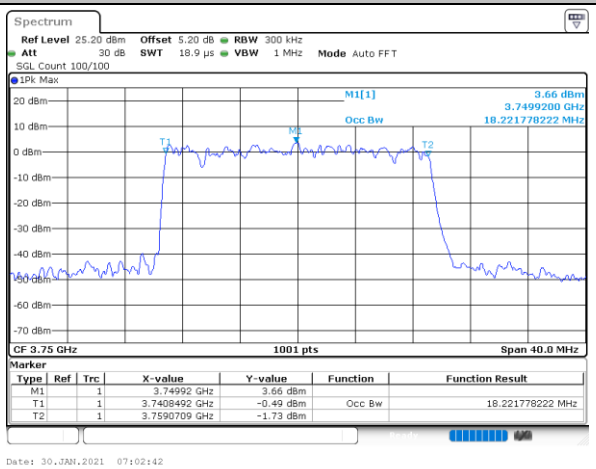
Middle Channel



64QAM

Middle Channel



256QAM

Middle Channel