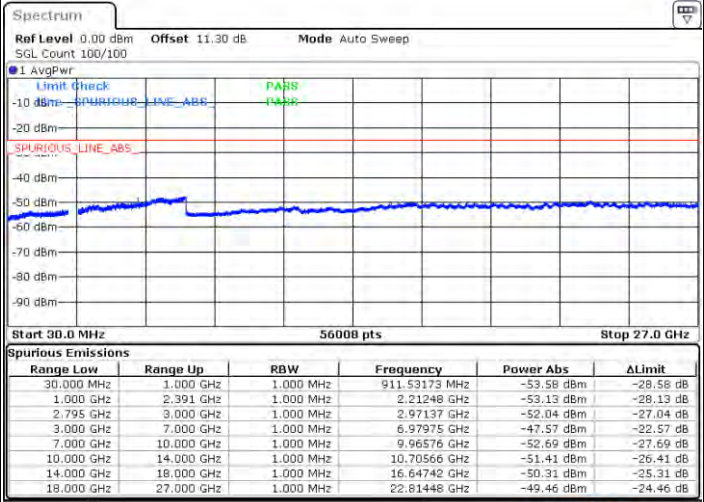
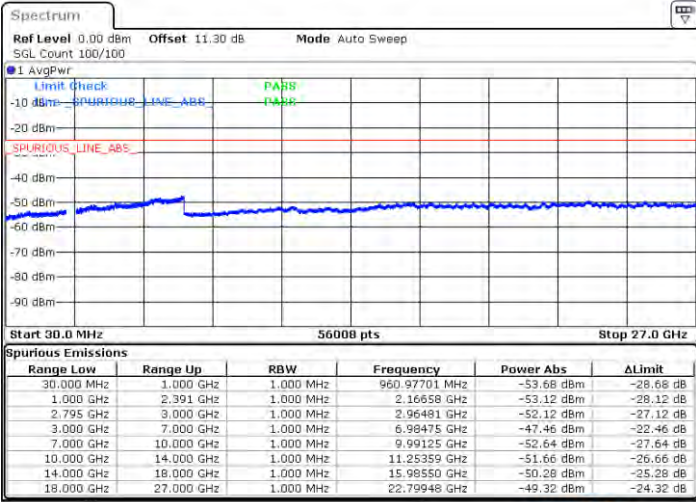




FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

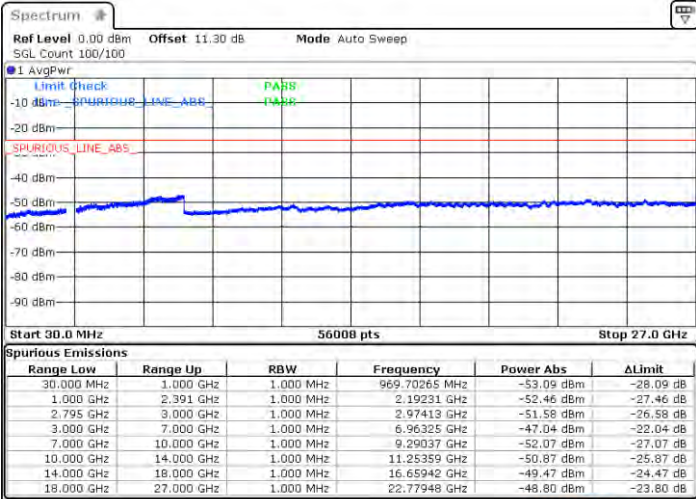
Middle Channel / 1RB



Date: 15.JAN.2021 03:08:47

Date: 15.JAN.2021 03:07:05

Highest Channel / 1RB



Date: 21.JAN.2021 17:46:32



Frequency Stability

Test Conditions		NR n41 (BPSK) / 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	0.0012	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0033	

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.

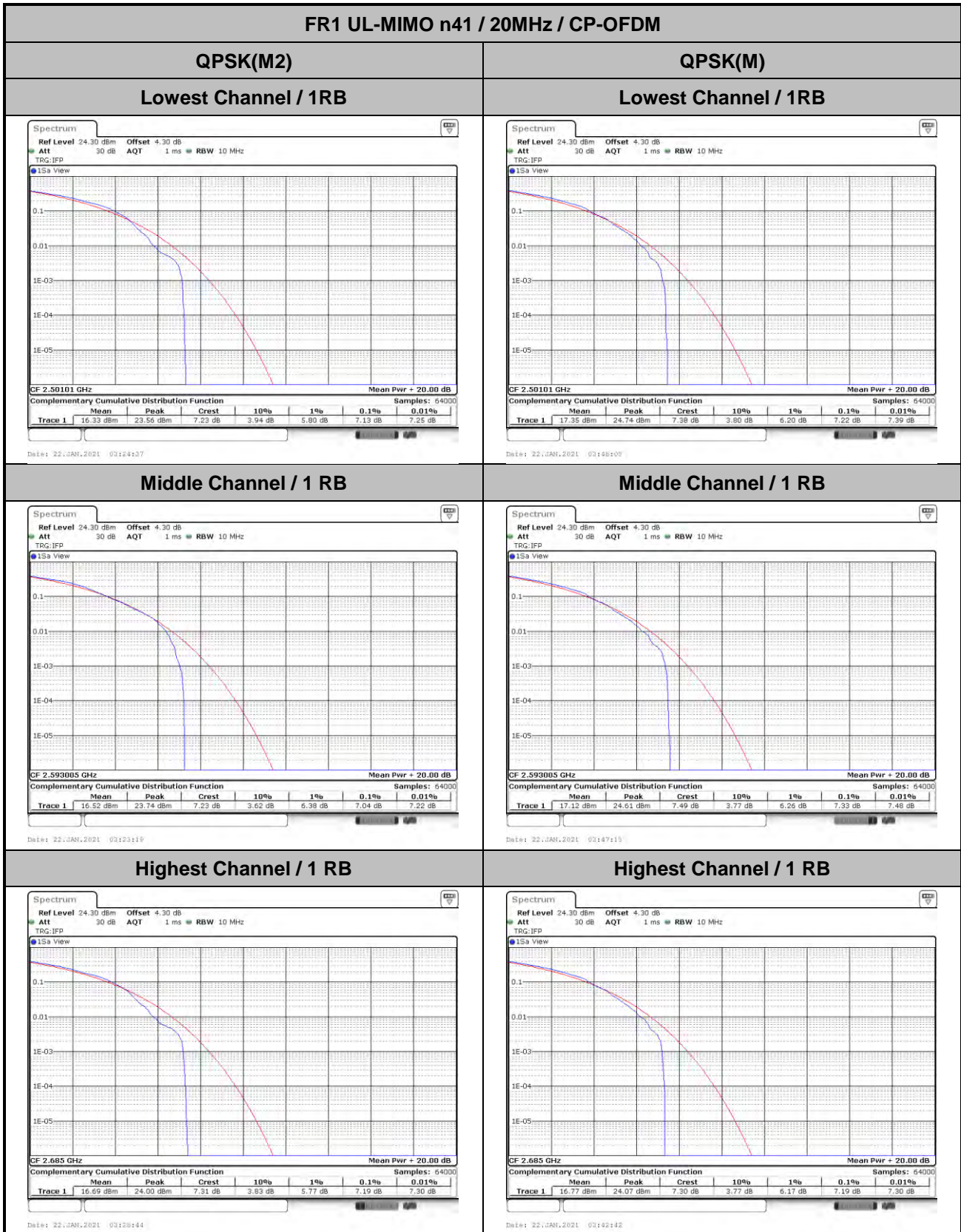


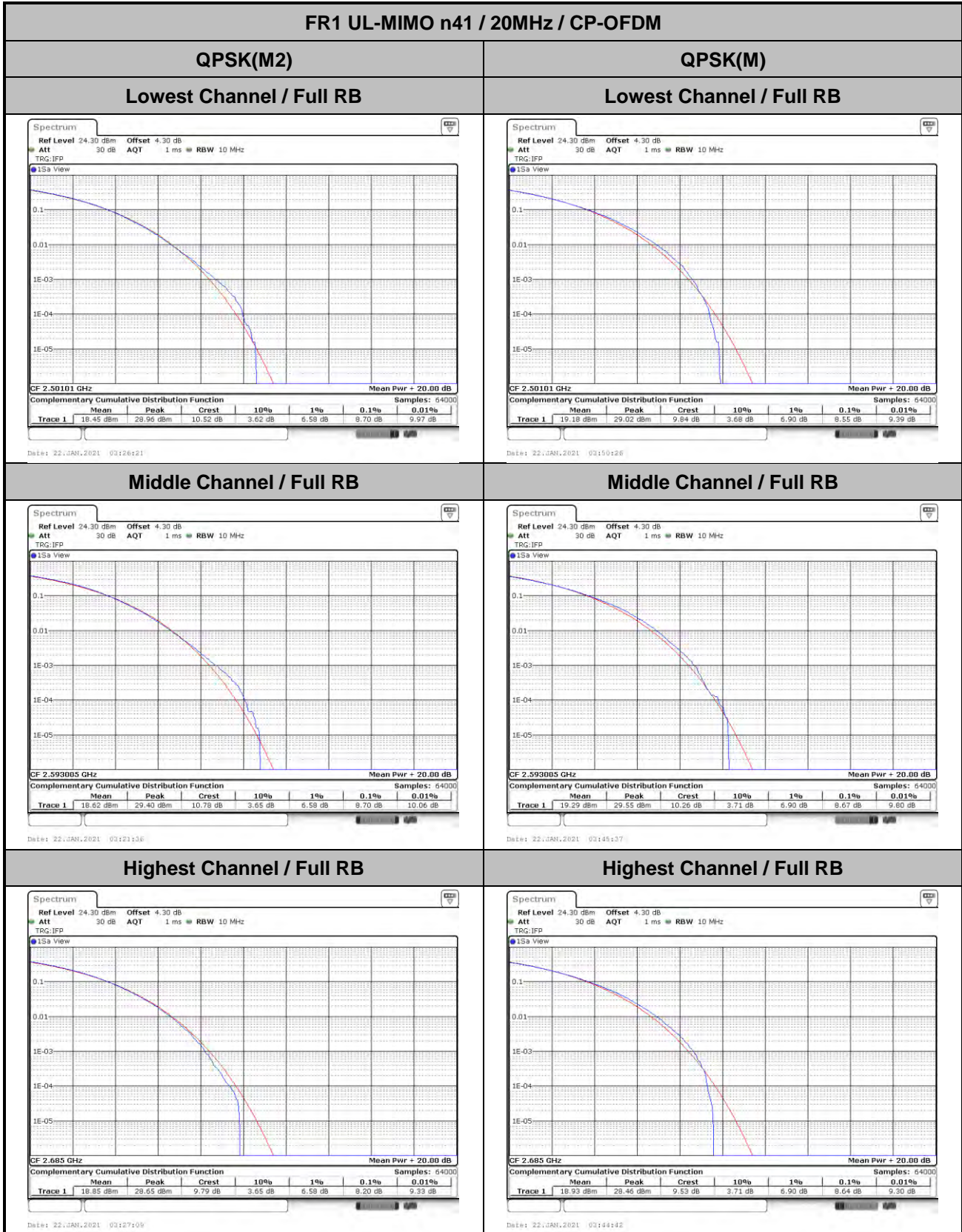
5G NR n41 UL_MIMO HPUE -SCS 15K

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	7.13	8.7			PASS
Middle CH	7.04	8.7			
Highest CH	7.19	8.2			

Mode	FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.22	8.55			PASS
Middle CH	7.33	8.67			
Highest CH	7.19	8.64			







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	9.63	9.79	9.69	9.69	9.71	9.67	9.63	9.67

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	14.87	14.93	14.84	14.81	14.84	14.93	14.93	14.87

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	29.37	29.43	29.37	29.43	29.37	29.43	29.43	29.37

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	41.08	40.84	40.92	40.92	40.84	40.84	40.92	41.08



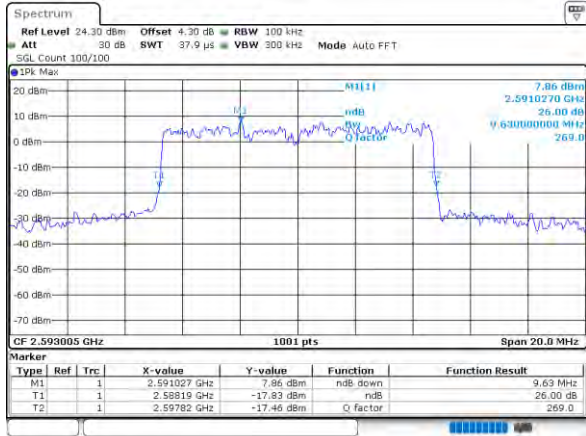
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:23:09

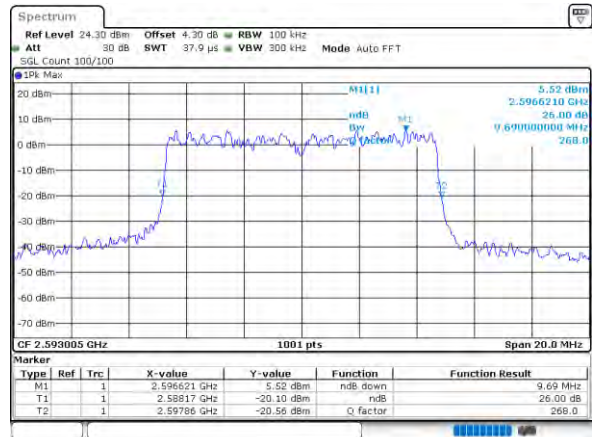
Date: 21.JAN.2021 03:23:13

64QAM

256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:24:58

Date: 21.JAN.2021 03:25:08



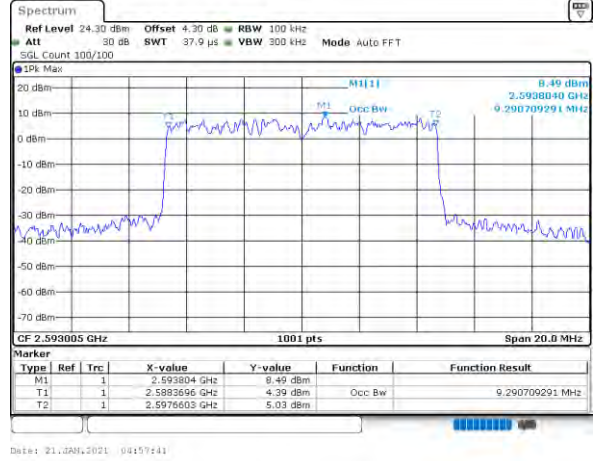
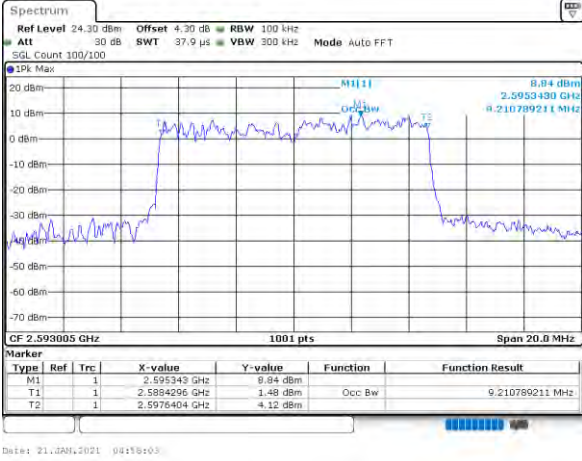
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel

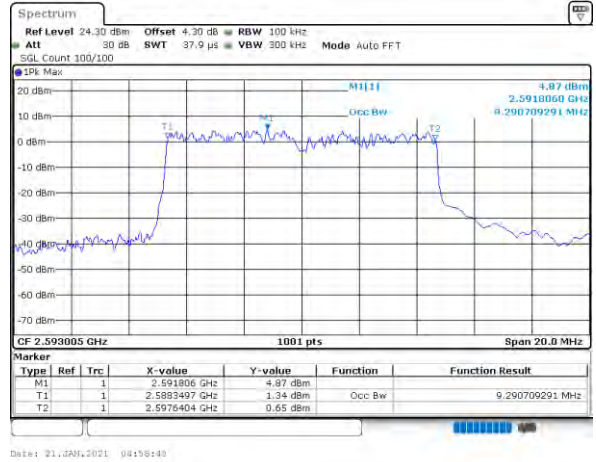
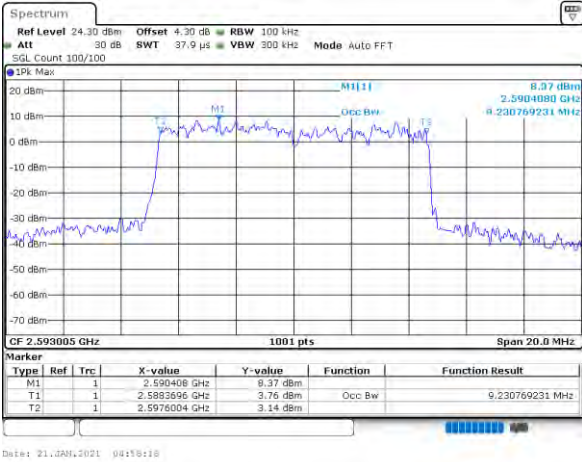


64QAM

256QAM

Middle Channel

Middle Channel





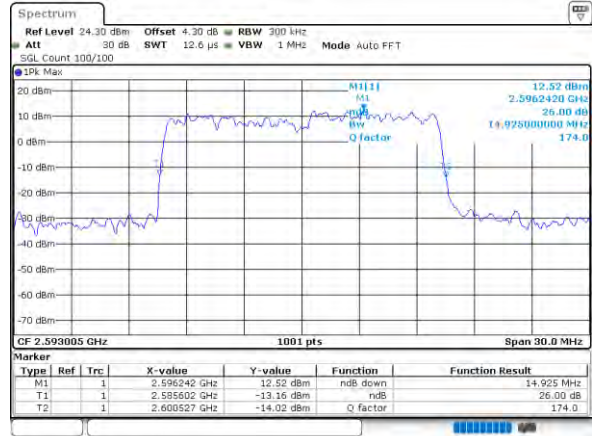
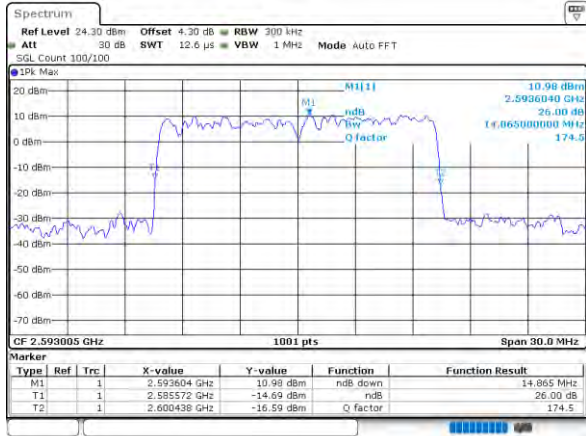
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 20.JAN.2021 08:14:53

Date: 20.JAN.2021 08:15:14

64QAM

256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:07:48

Date: 21.JAN.2021 03:08:06



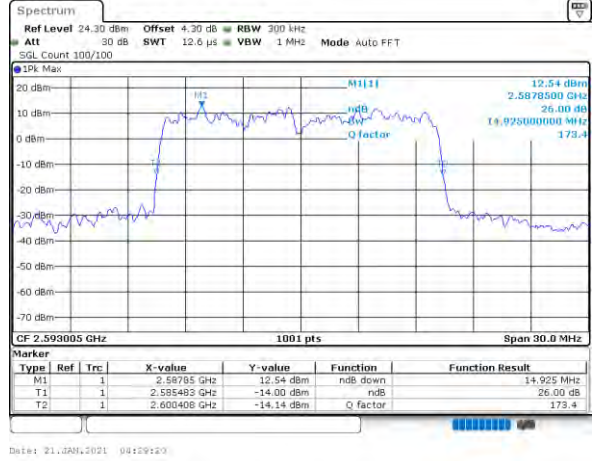
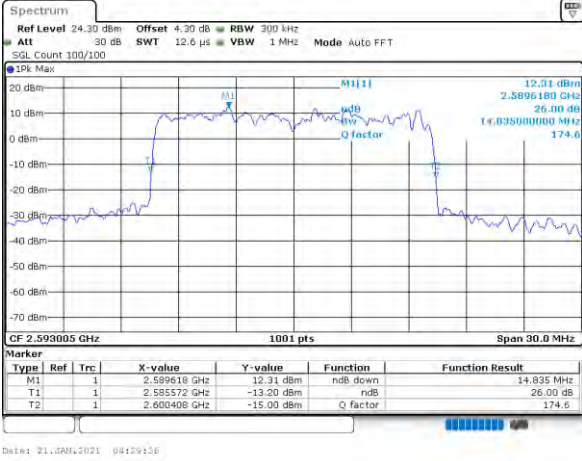
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel

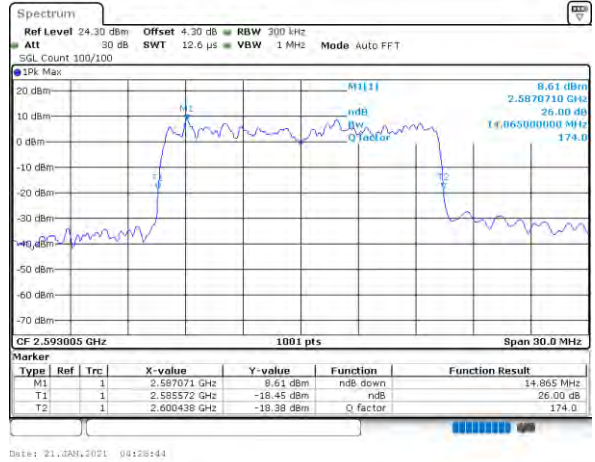
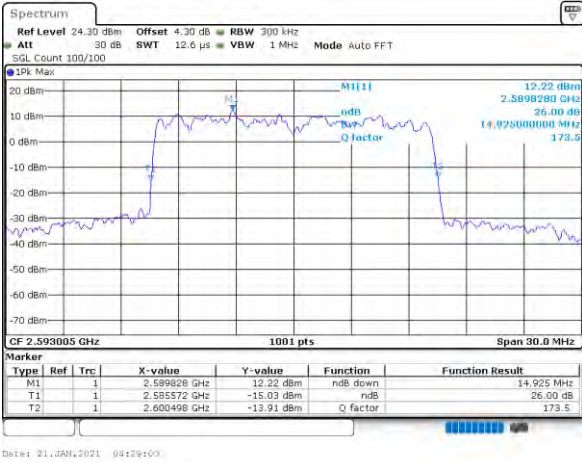


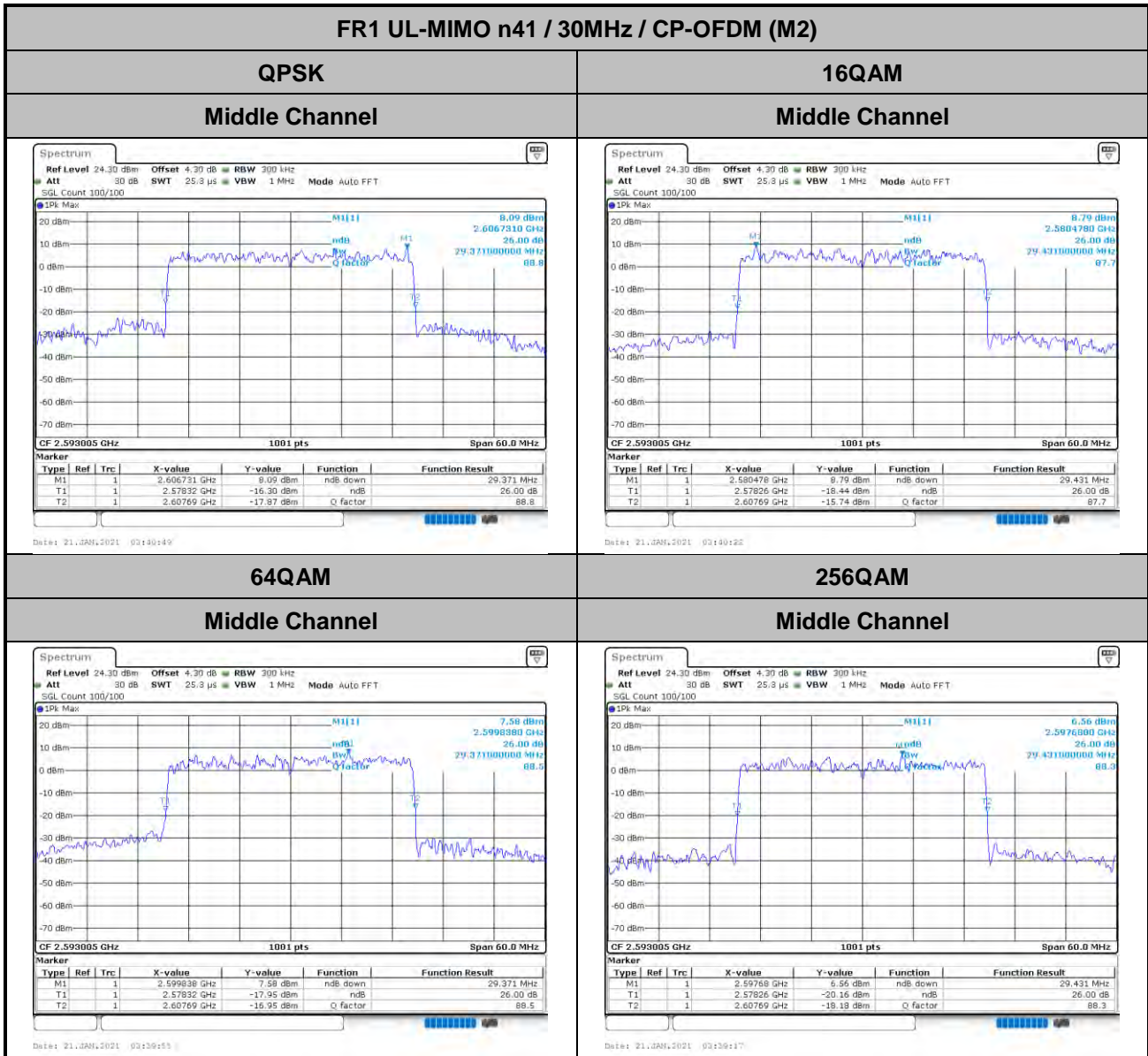
64QAM

256QAM

Middle Channel

Middle Channel







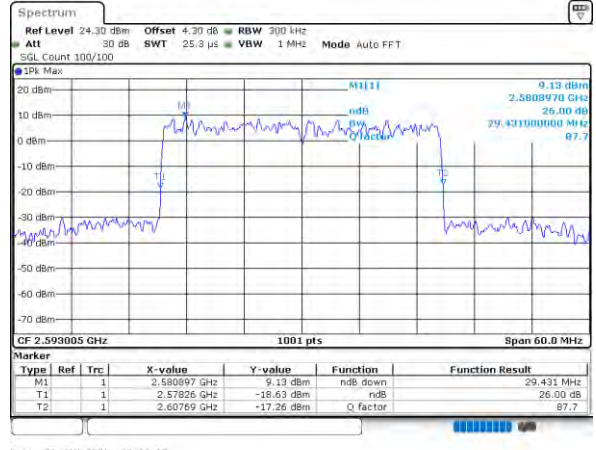
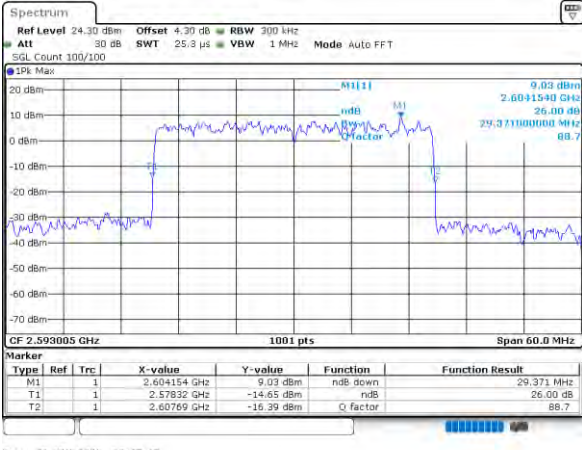
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 09:27:07

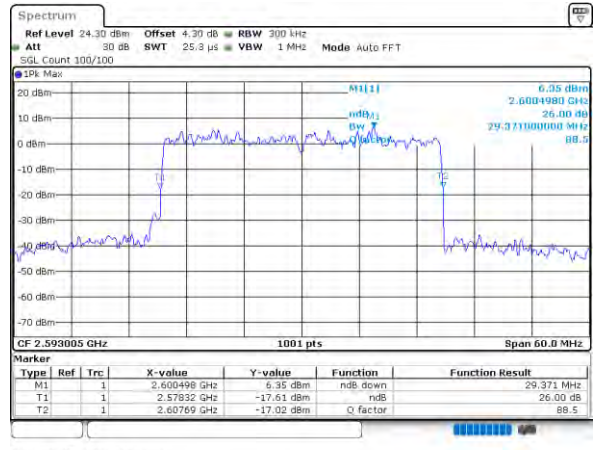
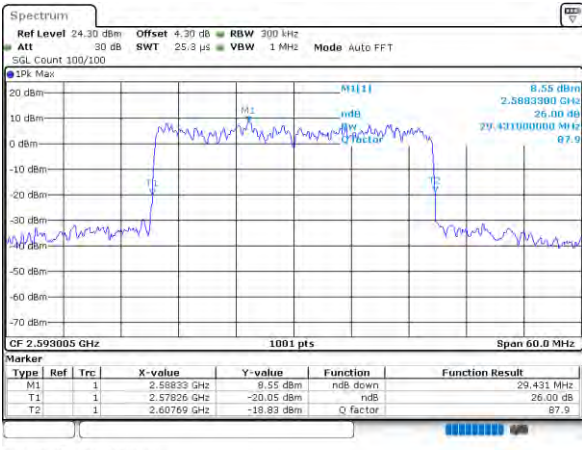
Date: 21.JAN.2021 09:28:27

64QAM

256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 09:27:56

Date: 21.JAN.2021 09:28:03



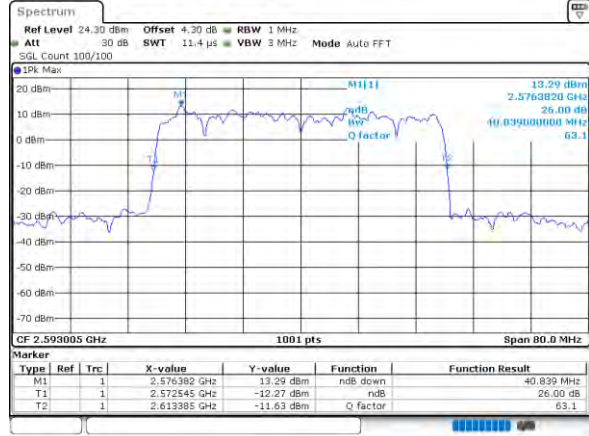
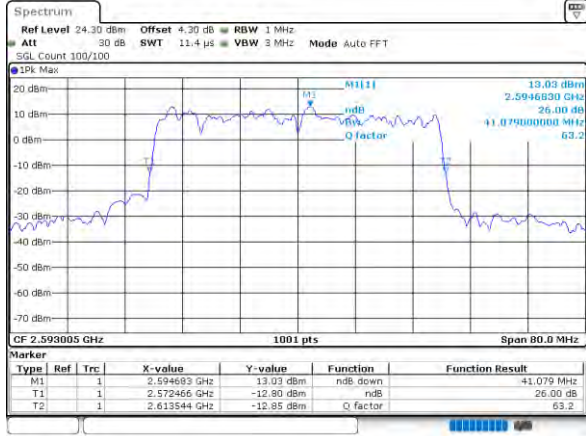
FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:15:41

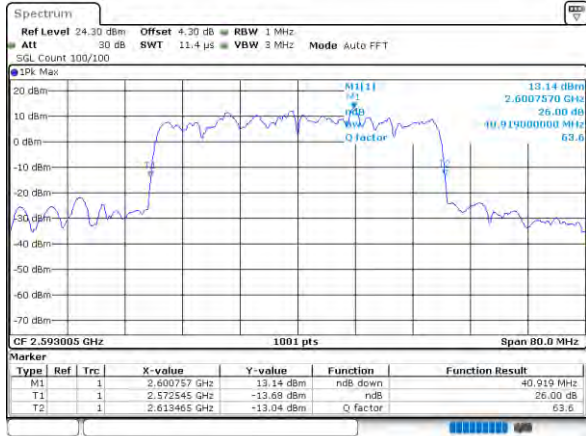
Date: 21.JAN.2021 03:16:59

64QAM

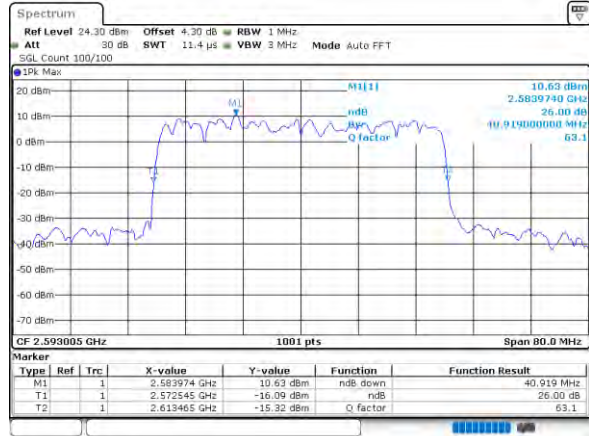
256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:41:56



Date: 21.JAN.2021 03:42:20



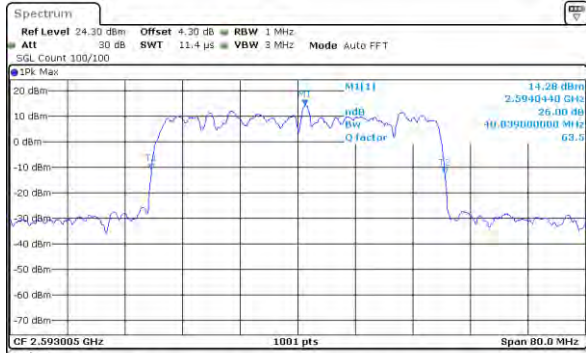
FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M)

QPSK

16QAM

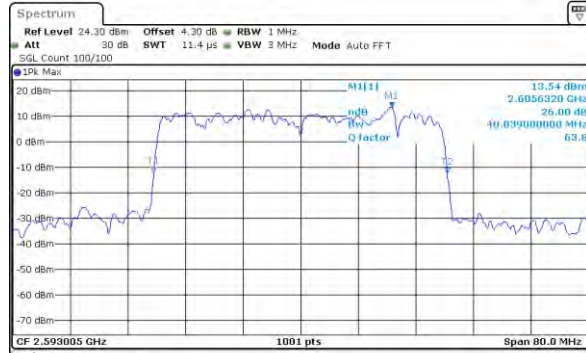
Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.594044 GHz	14.28 dBm	ndB down	40.839 MHz
T1	1		2.572545 GHz	-10.95 dBm	ndB	26.00 dB
T2	1		2.613465 GHz	-12.53 dBm	Q factor	63.5

Date: 21.JAN.2021 09:09:05



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.605632 GHz	13.54 dBm	ndB down	40.839 MHz
T1	1		2.572545 GHz	-12.01 dBm	ndB	26.00 dB
T2	1		2.613385 GHz	-12.29 dBm	Q factor	63.8

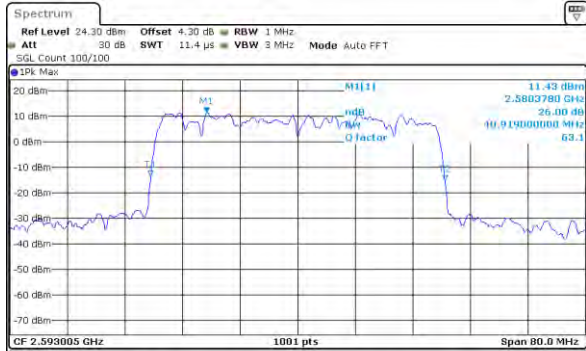
Date: 21.JAN.2021 09:15:48

64QAM

256QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.580378 GHz	11.43 dBm	ndB down	40.919 MHz
T1	1		2.572545 GHz	-13.55 dBm	ndB	26.00 dB
T2	1		2.613465 GHz	-15.07 dBm	Q factor	63.1

Date: 21.JAN.2021 09:09:22



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.60943 GHz	8.12 dBm	ndB down	41.079 MHz
T1	1		2.572466 GHz	-16.28 dBm	ndB	26.00 dB
T2	1		2.613544 GHz	-18.26 dBm	Q factor	63.5

Date: 21.JAN.2021 09:09:44



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	9.23	9.29	9.25	9.29	9.21	9.29	9.23	9.29

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	14.09	14.21	14.15	14.18	14.18	14.15	14.06	14.06

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	28.47	28.59	28.47	28.35	28.47	28.59	28.47	28.47

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	38.84	38.68	38.60	38.28	38.68	38.68	38.52	38.76



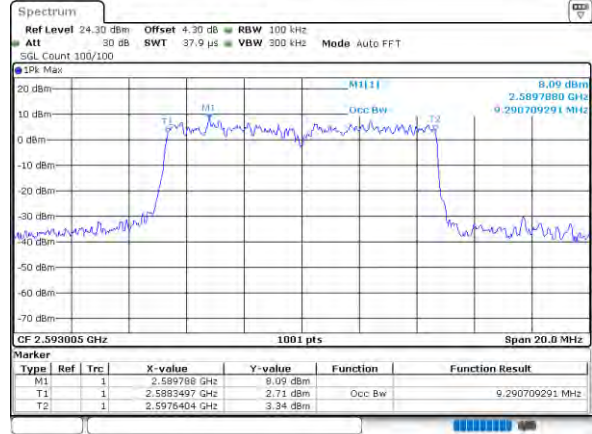
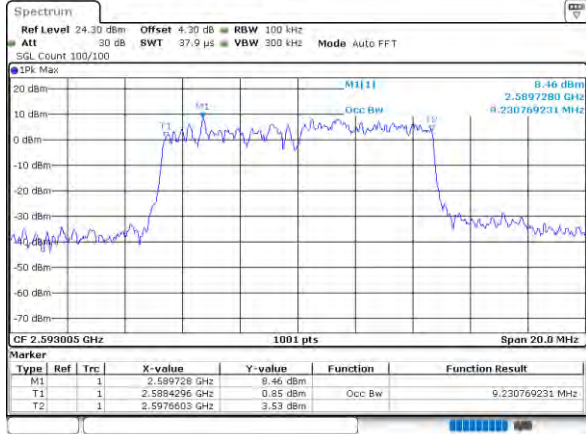
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:22:55

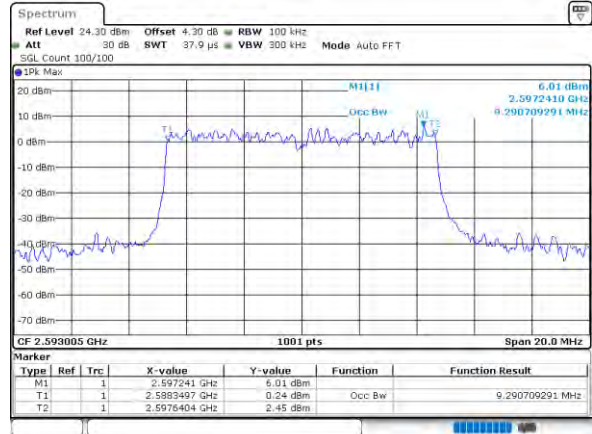
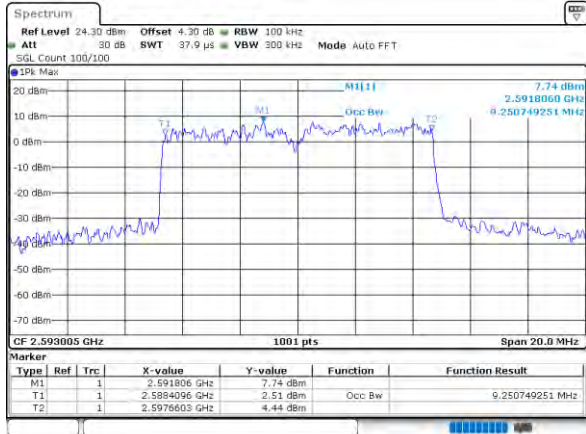
Date: 21.JAN.2021 03:23:19

64QAM

256QAM

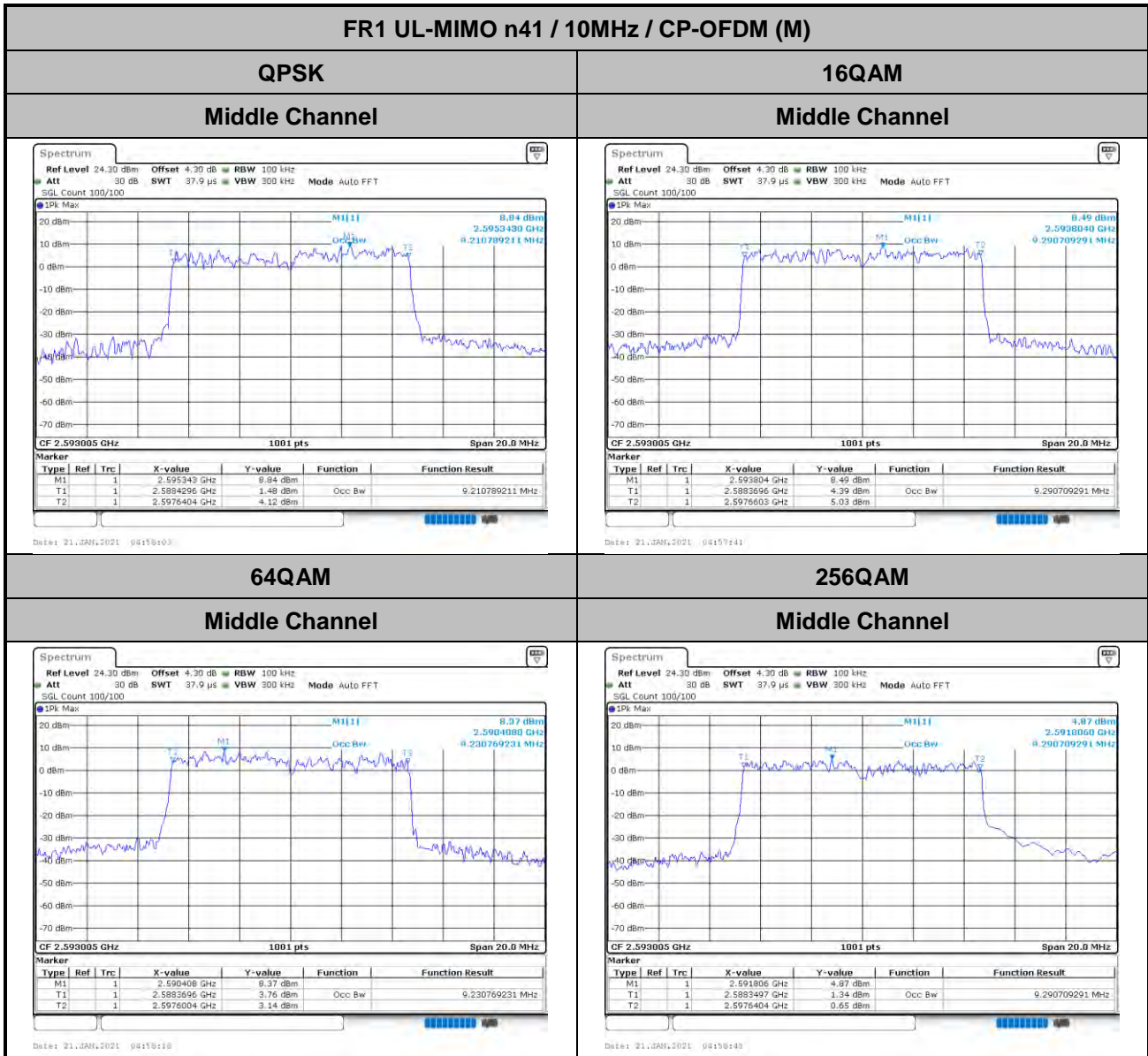
Middle Channel

Middle Channel



Date: 21.JAN.2021 03:24:26

Date: 21.JAN.2021 03:25:09





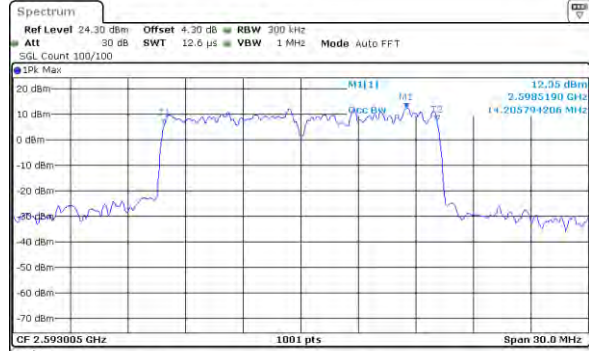
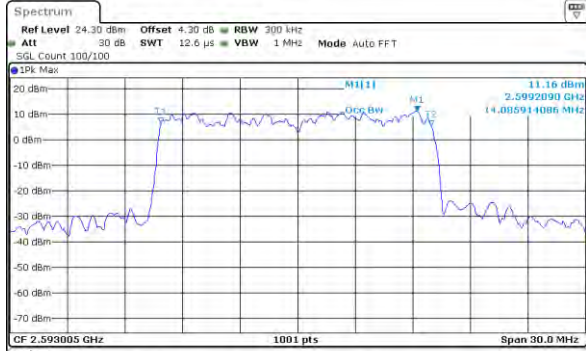
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 20.JAN.2021 09:13:20

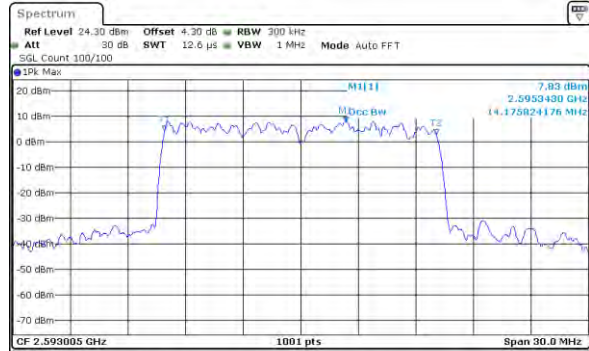
Date: 20.JAN.2021 09:13:48

64QAM

256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:07:41

Date: 21.JAN.2021 03:07:17



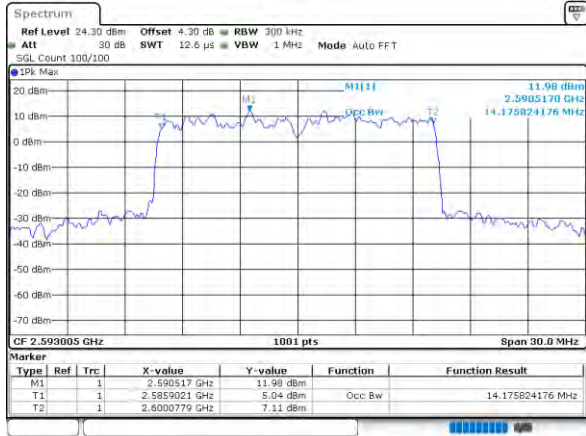
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

QPSK

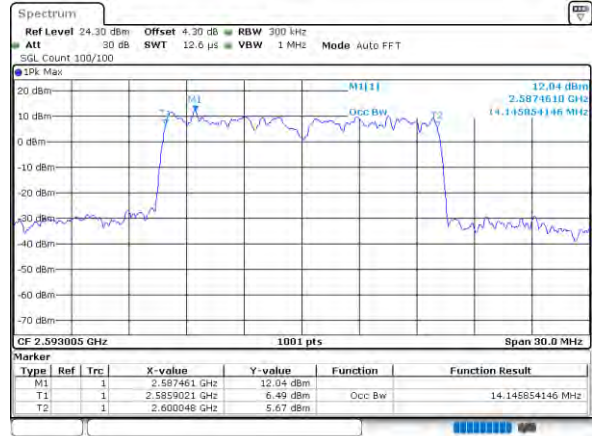
16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 08:29:14



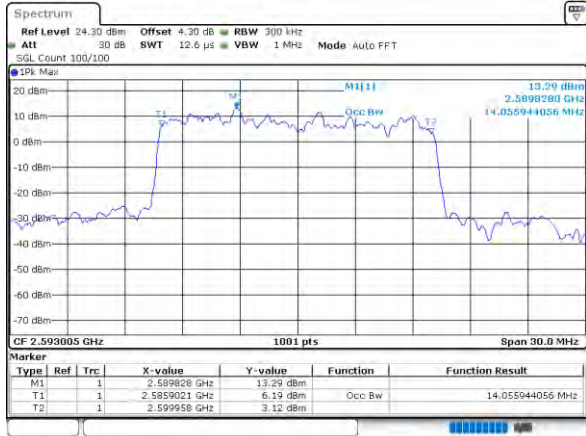
Date: 21.JAN.2021 08:29:14

64QAM

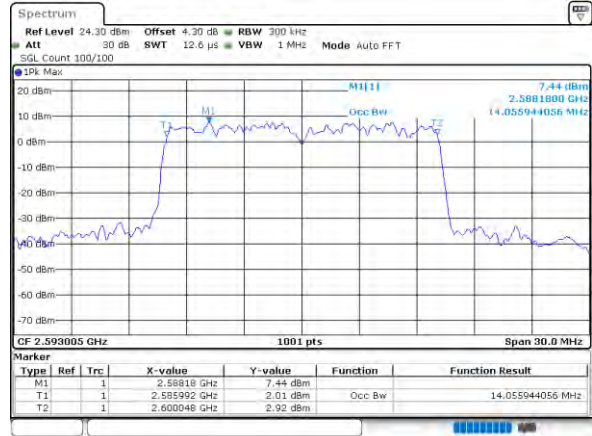
256QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 08:28:53



Date: 21.JAN.2021 08:28:59



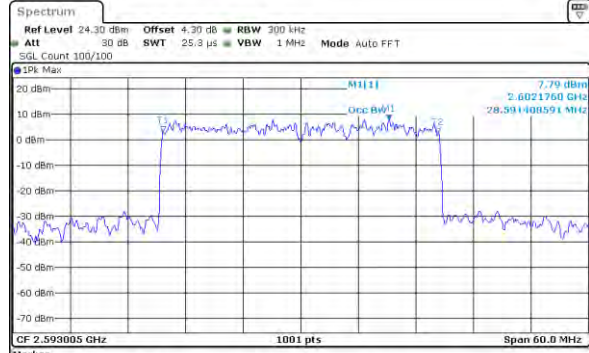
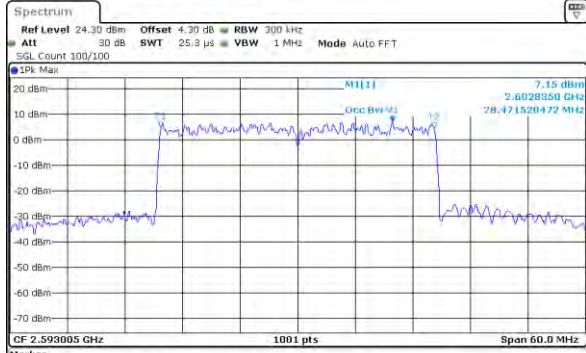
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 21.JAN.2021 03:40:19

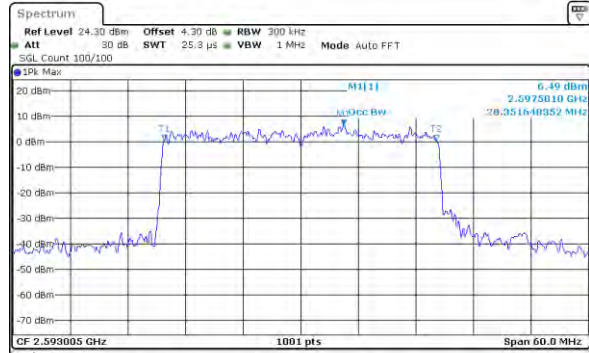
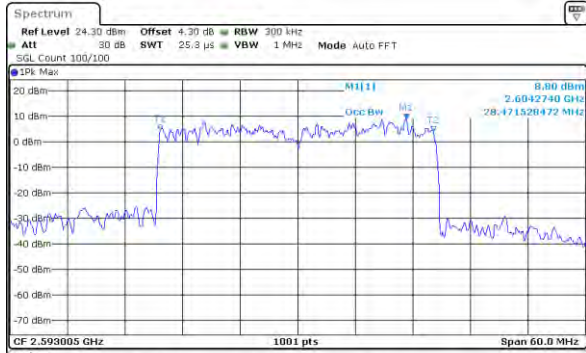
Date: 21.JAN.2021 03:40:12

64QAM

256QAM

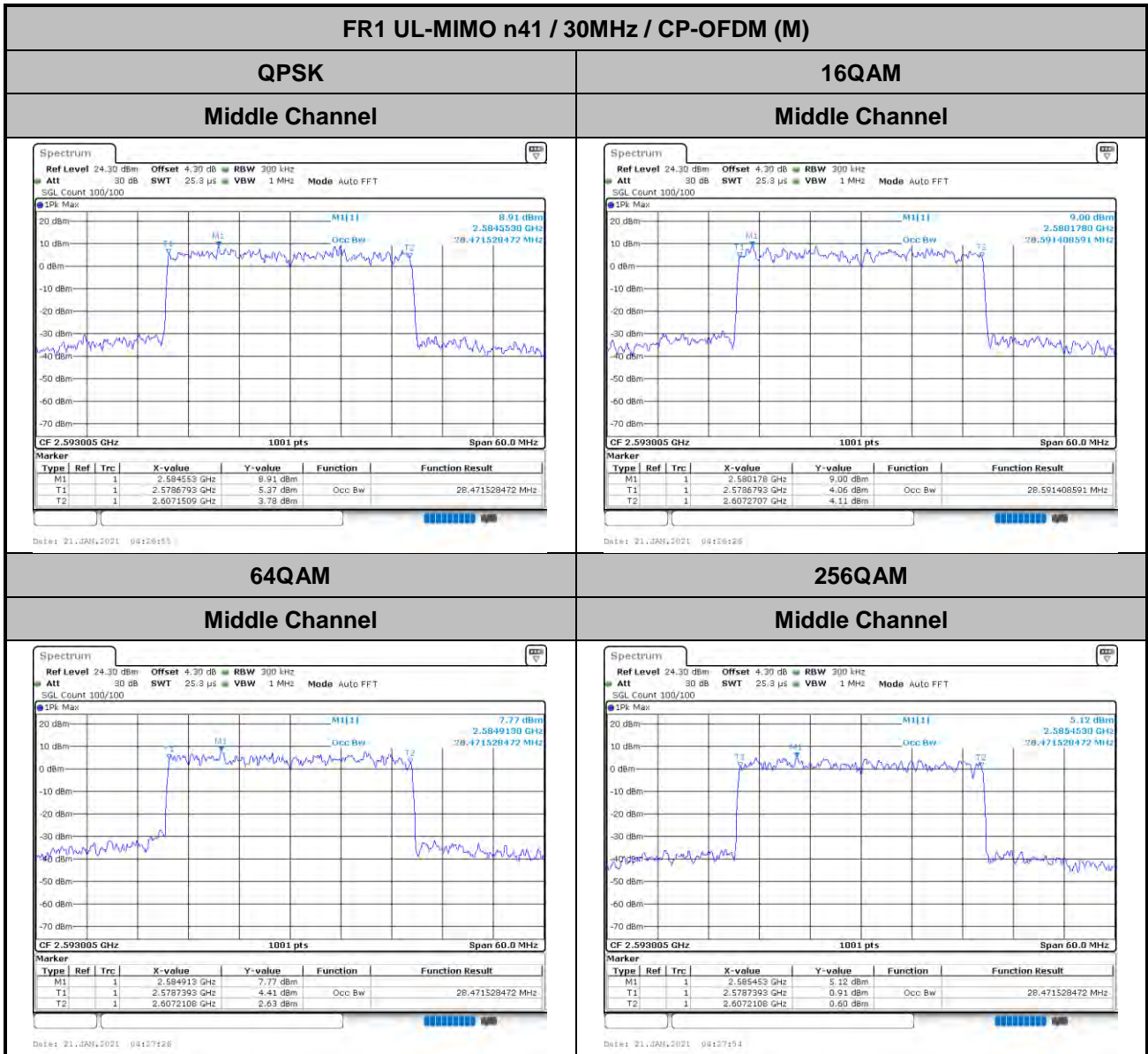
Middle Channel

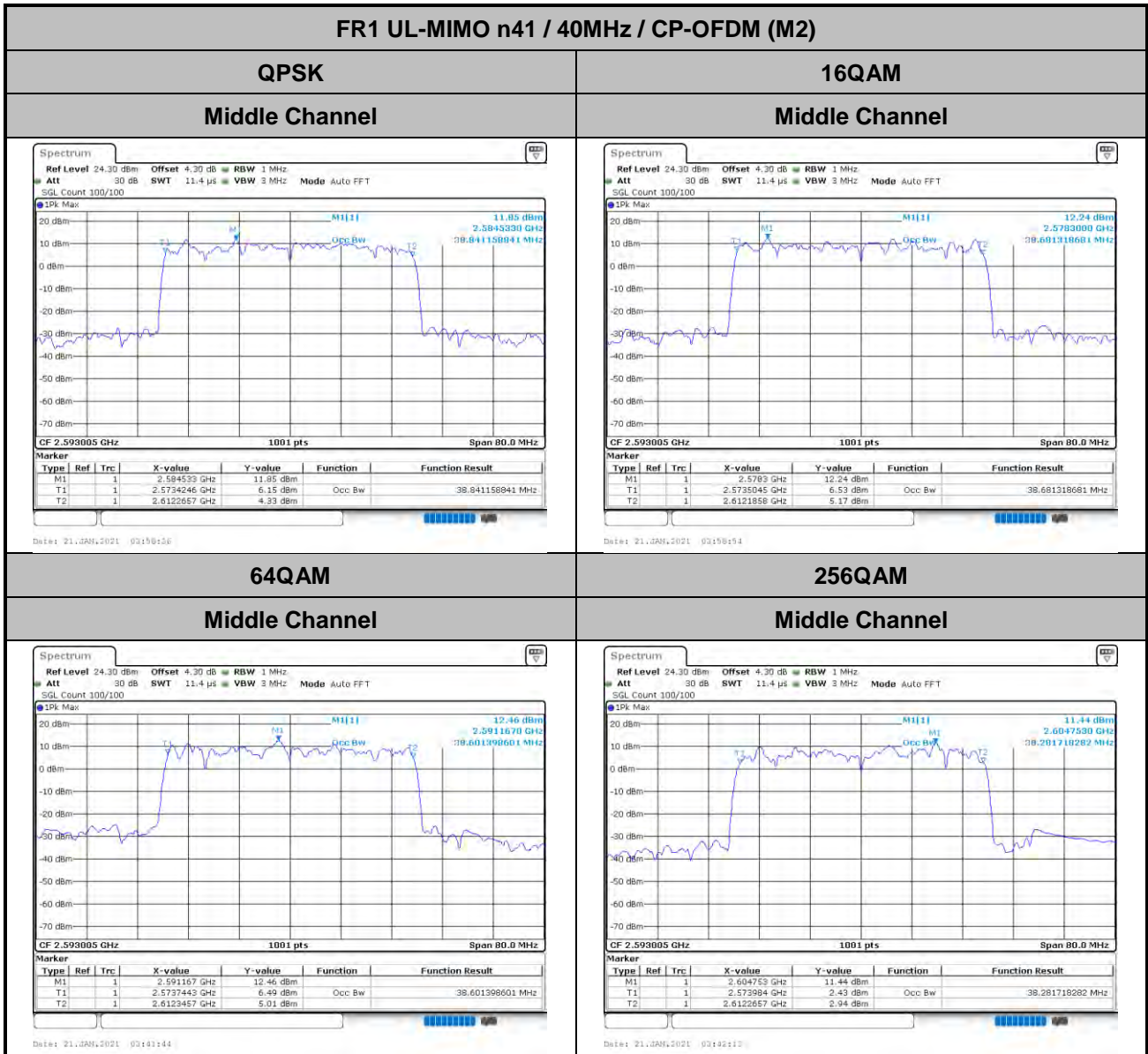
Middle Channel

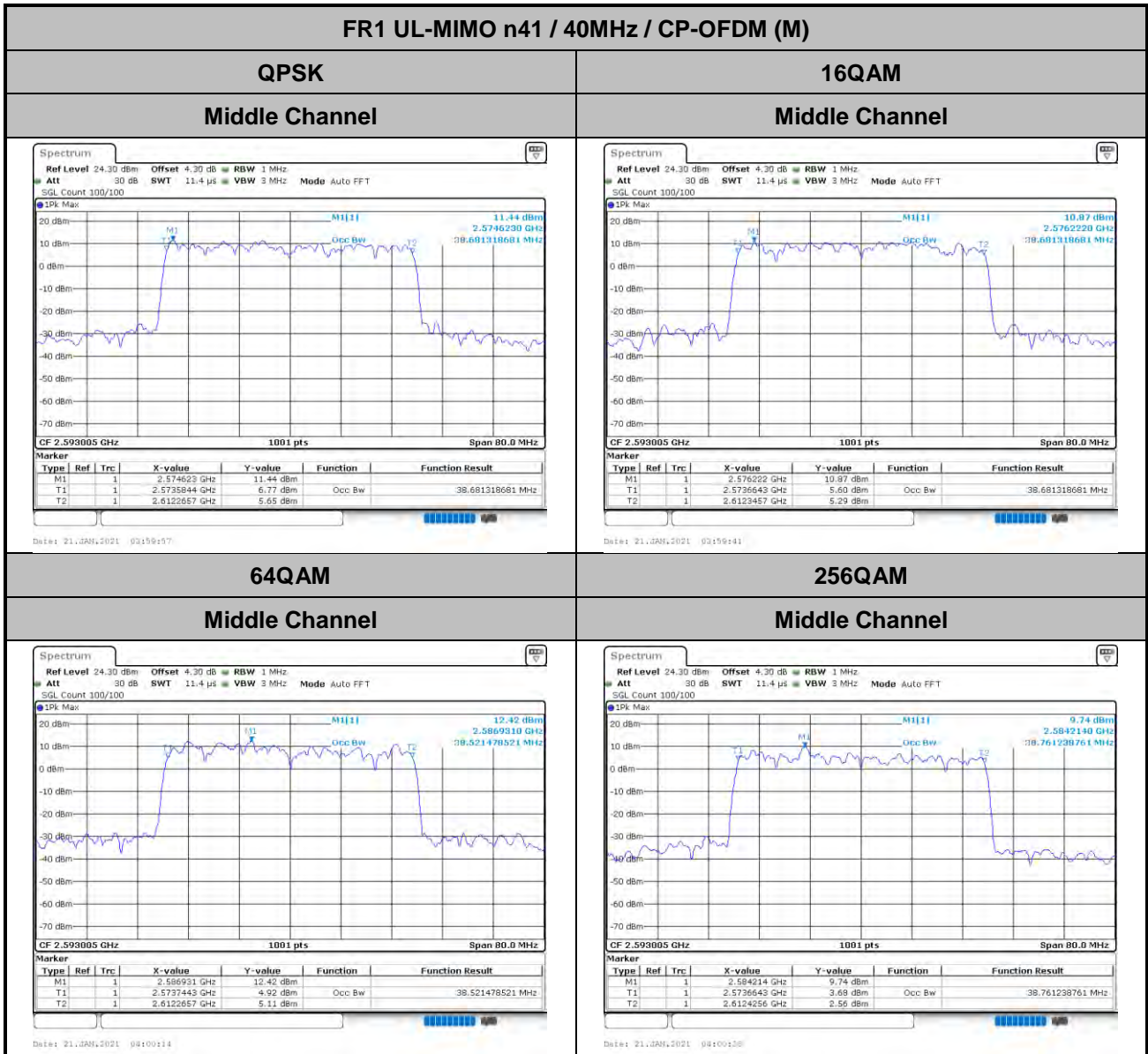


Date: 21.JAN.2021 03:39:49

Date: 21.JAN.2021 03:38:58

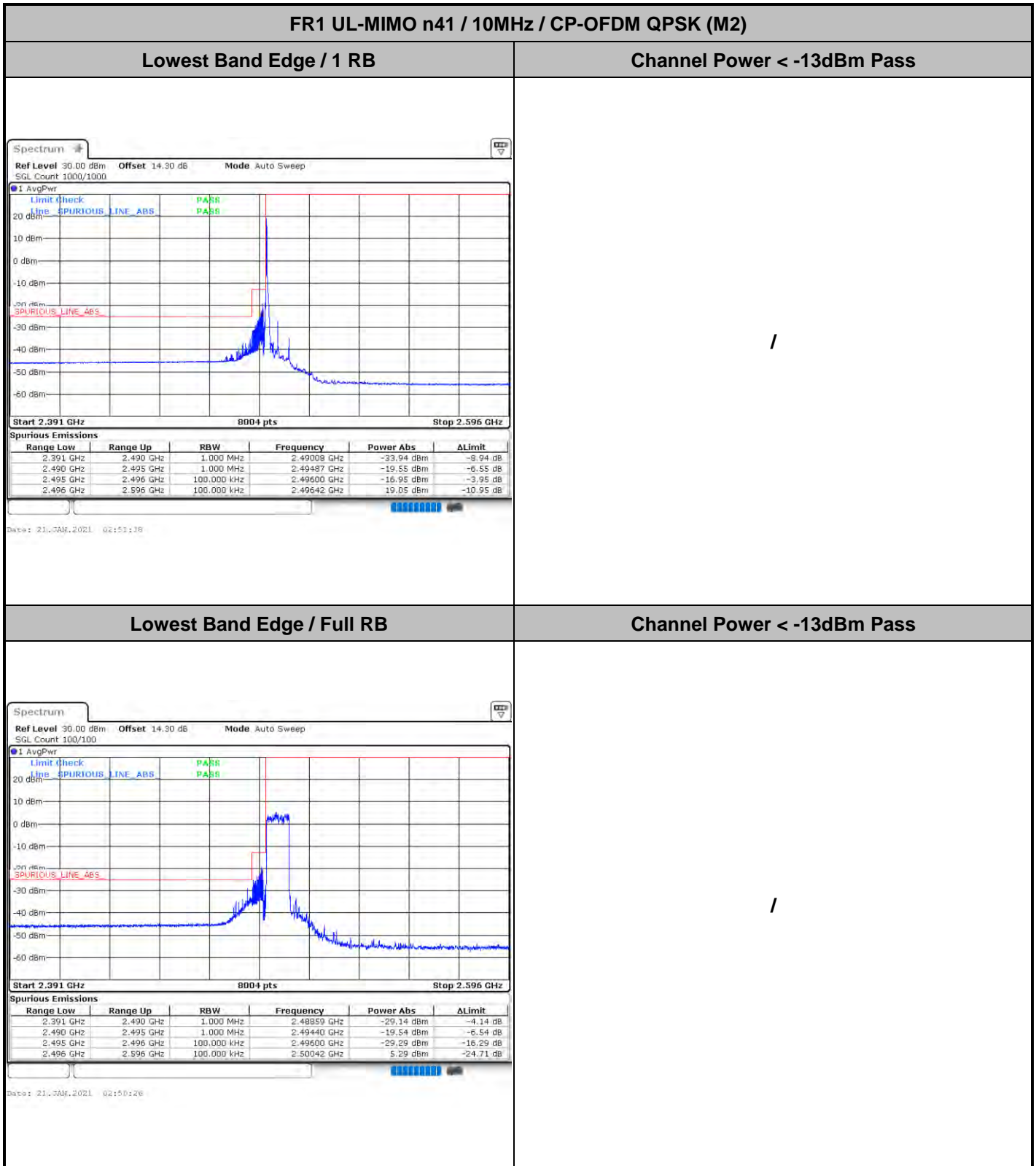








Conducted Band Edge

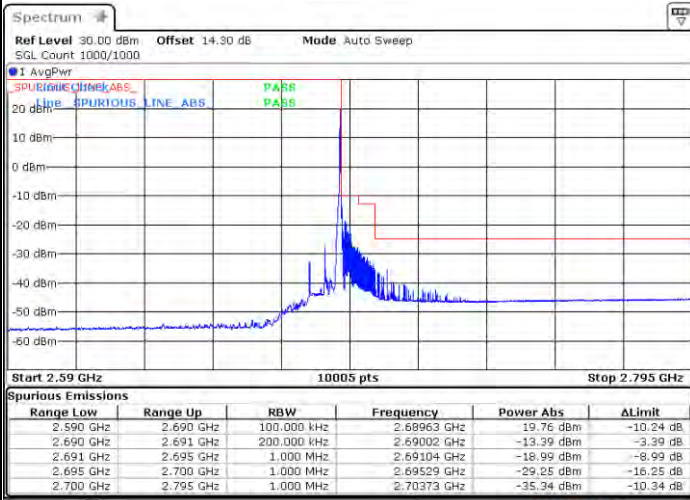




FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

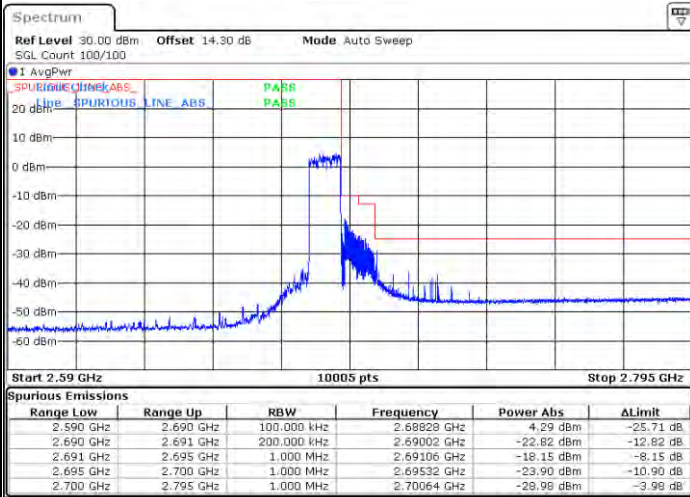
Channel Power < -10dBm Pass



Date: 21. JUN. 2021 03:10:11

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



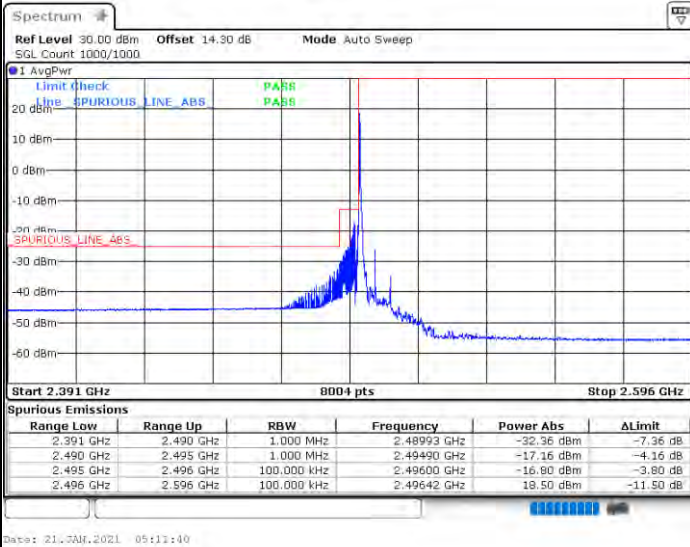
Date: 21. JUN. 2021 03:10:33



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

Lowest Band Edge / 1 RB

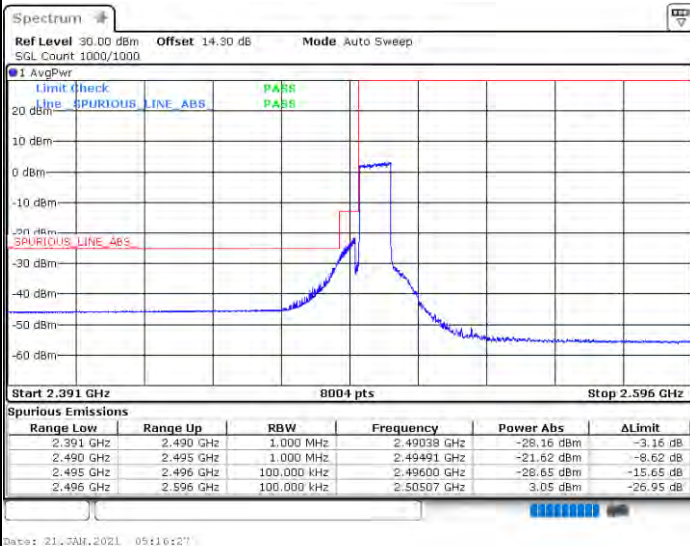
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

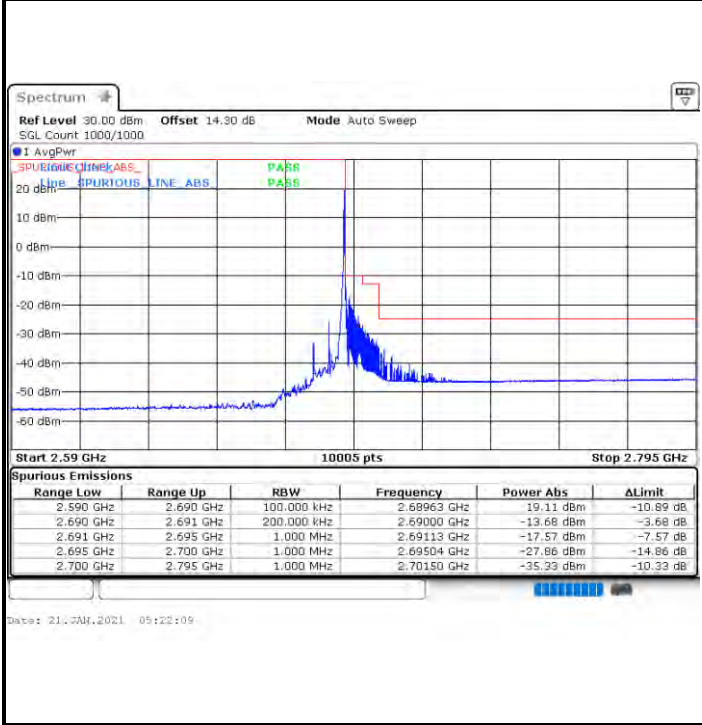


/



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

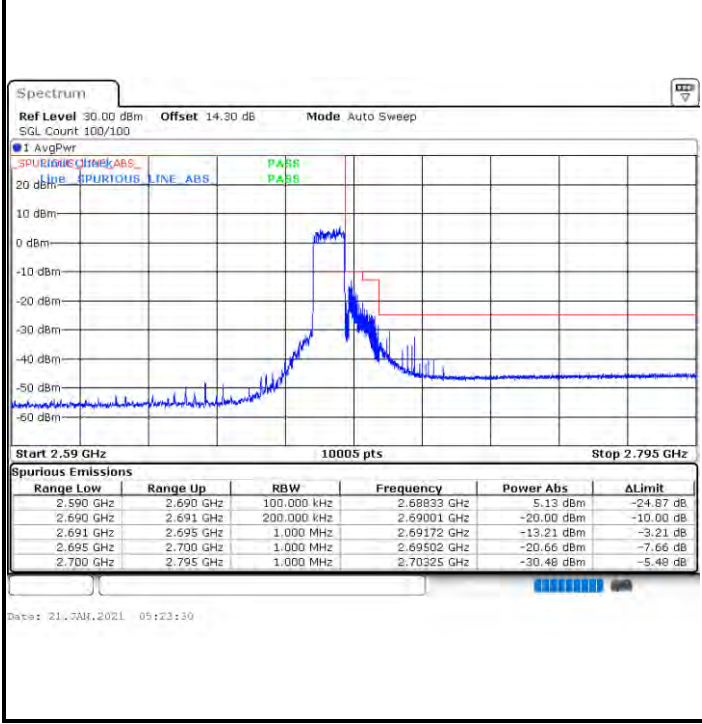
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass

/

Highest Band Edge / Full RB



Channel Power < -13dBm Pass

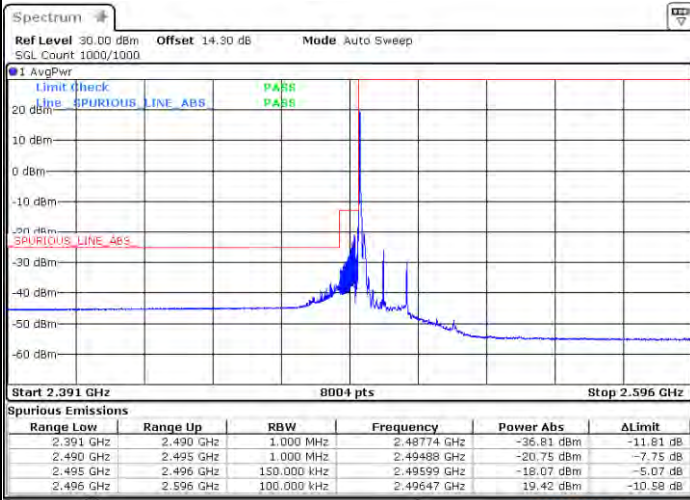
/



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

Lowest Band Edge / 1 RB

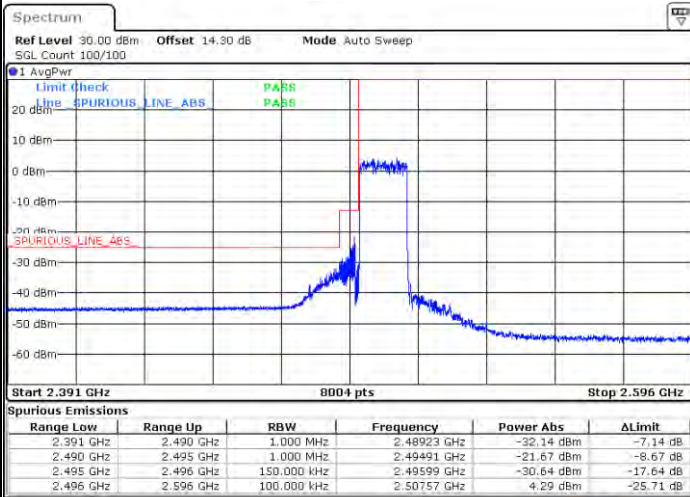
Channel Power < -13dBm Pass



Date: 20-MAR-2021 09:20:49

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



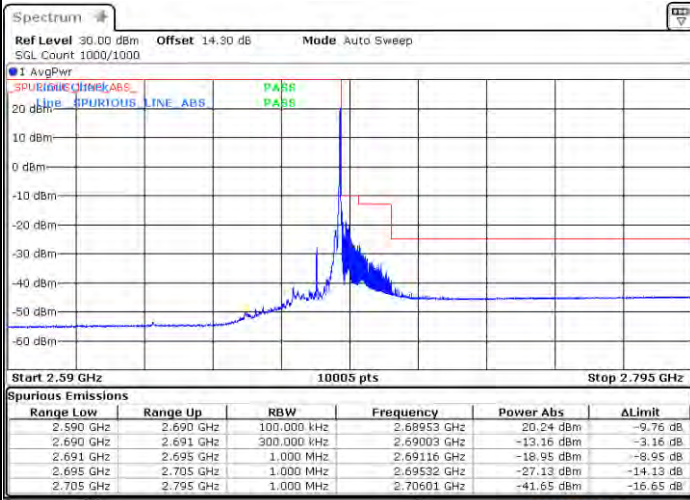
Date: 20-MAR-2021 09:19:55



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

Highest Band Edge / 1 RB

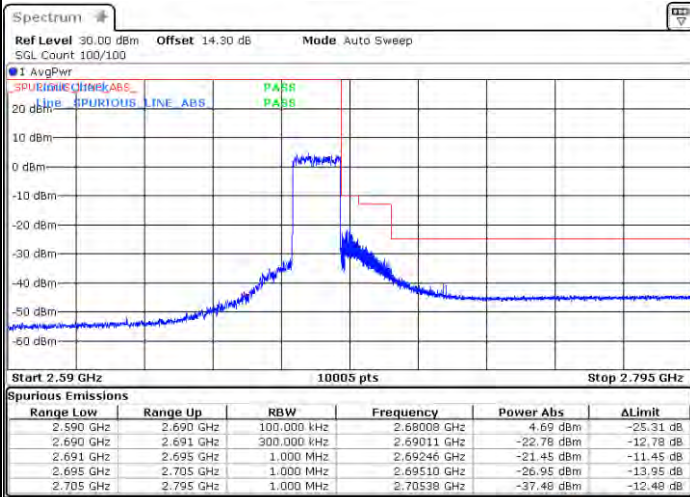
Channel Power < -10dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



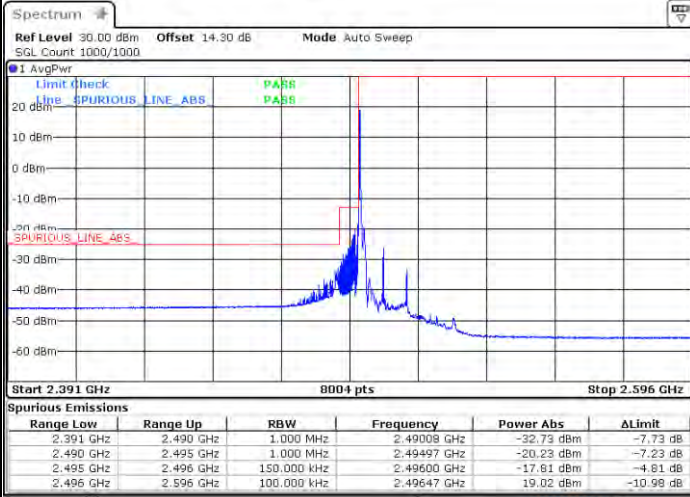
/



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

Lowest Band Edge / 1 RB

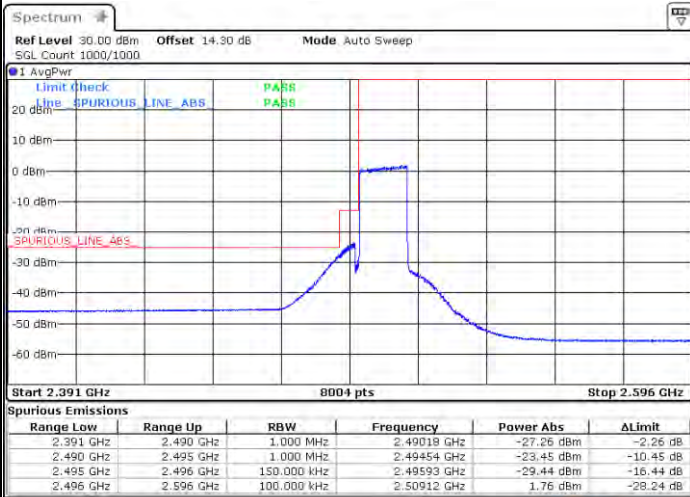
Channel Power < -25dBm Pass



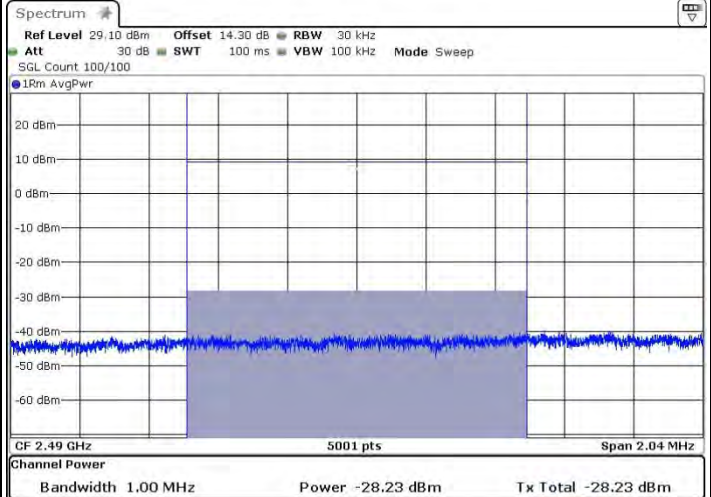
Date: 21.JAN.2021 04:45:27

Lowest Band Edge / Full RB

Channel Power < -25dBm Pass



Date: 21.JAN.2021 04:48:16



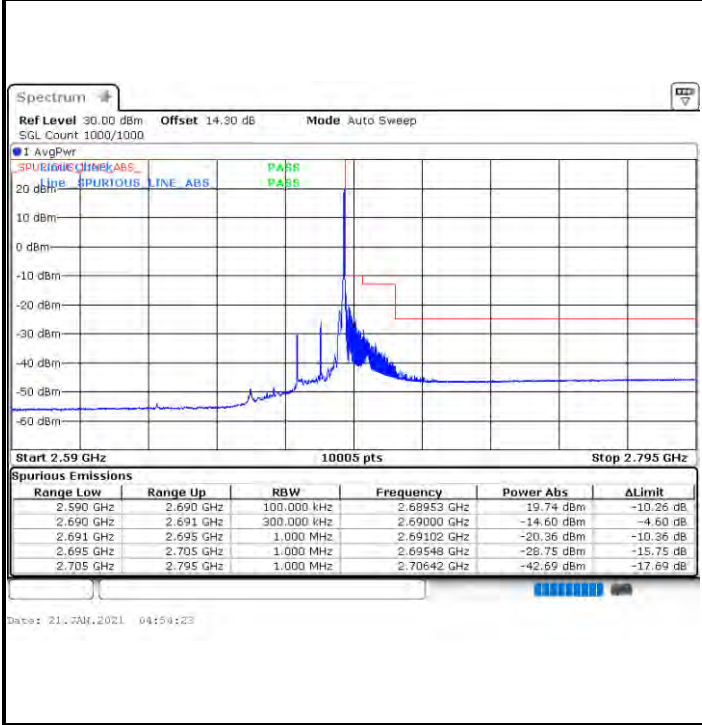
Date: 21.JAN.2021 04:49:01



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

Highest Band Edge / 1 RB

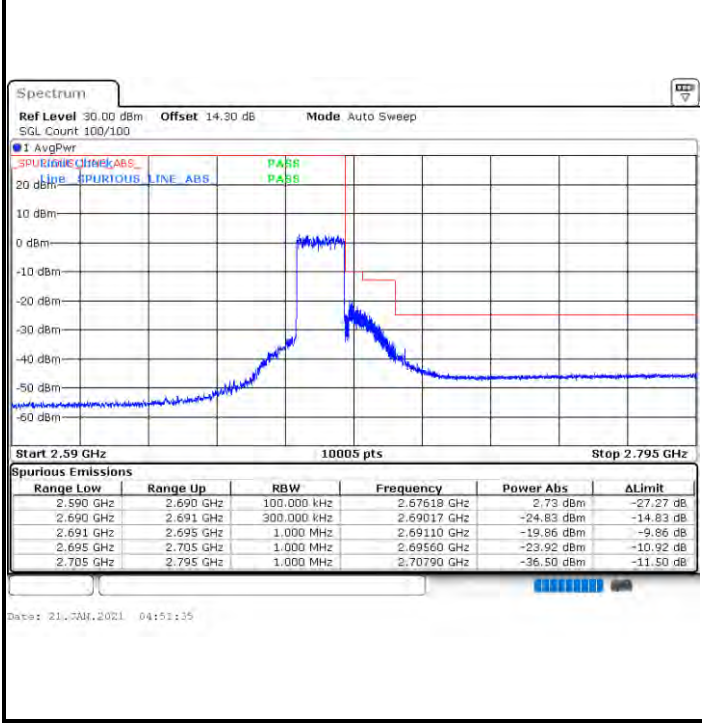
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



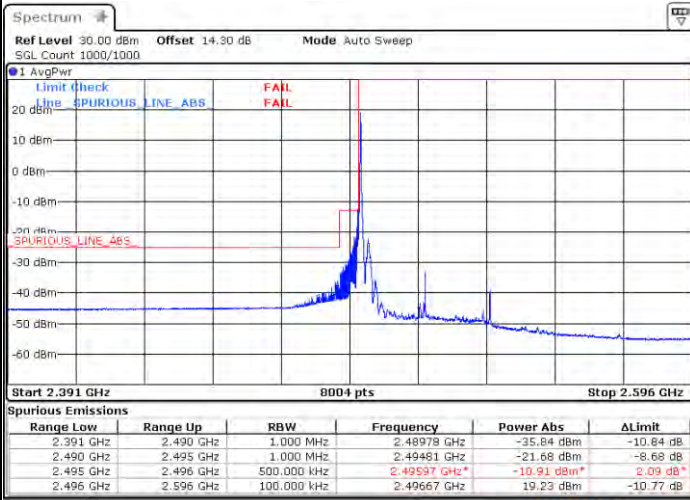
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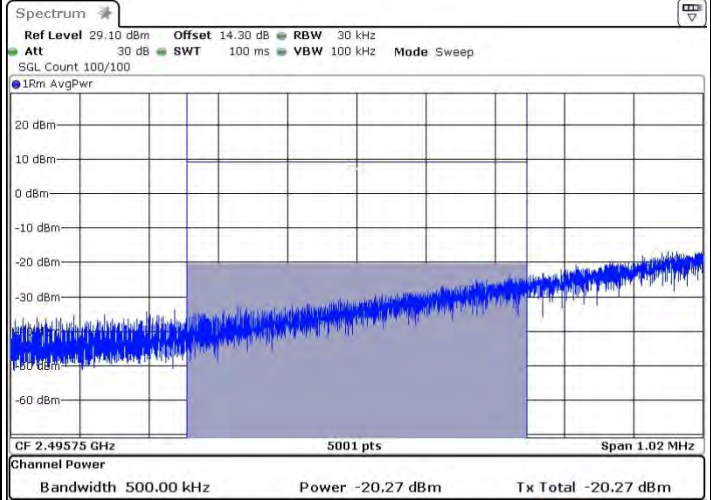
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



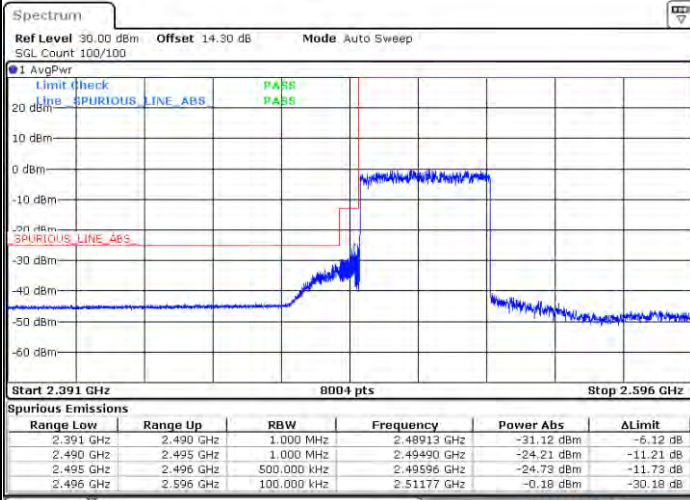
Date: 20.JAN.2021 09:02:10



Date: 20.JAN.2021 09:03:13

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



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

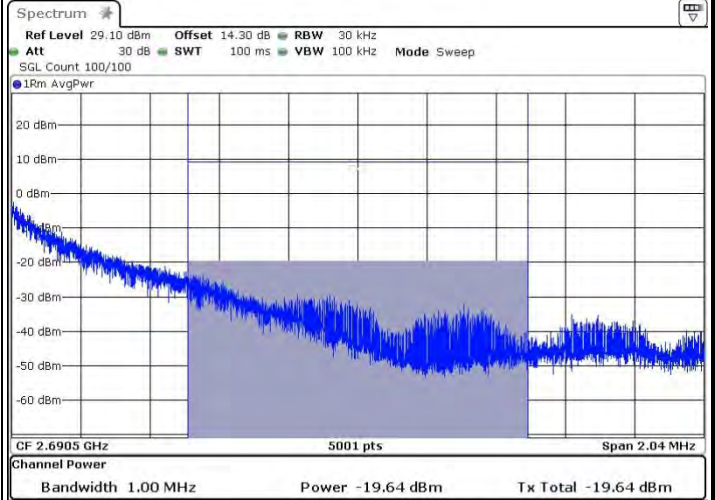
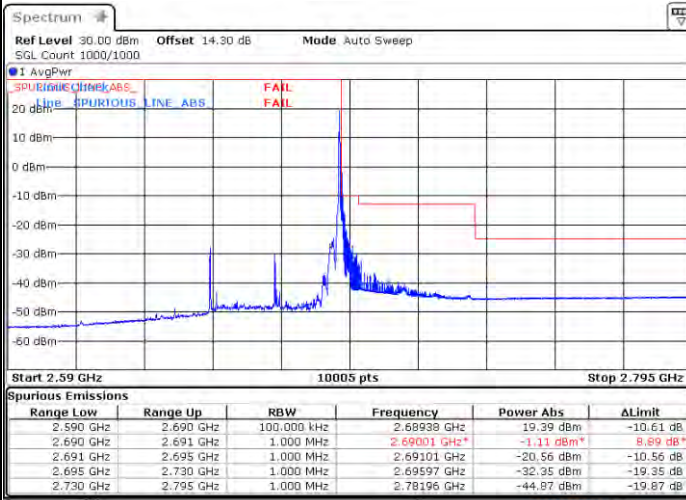
/



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

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass

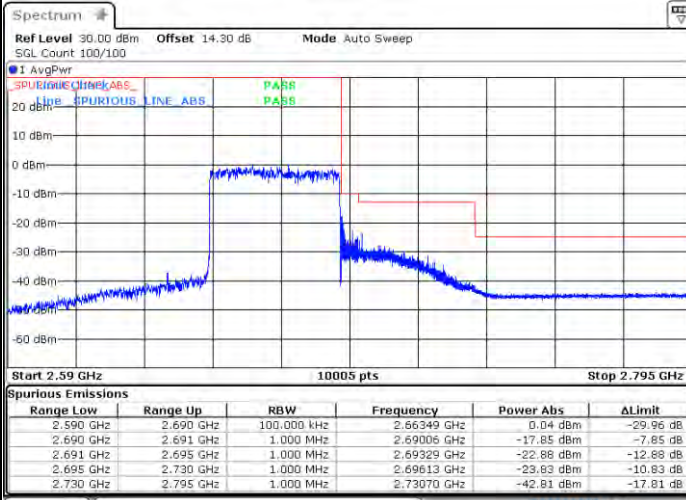


Date: 26.FEB.2021 11:43:45

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

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



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

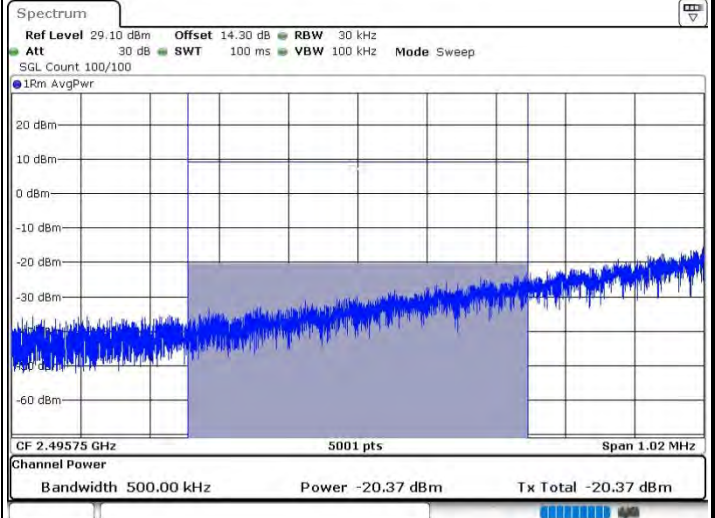
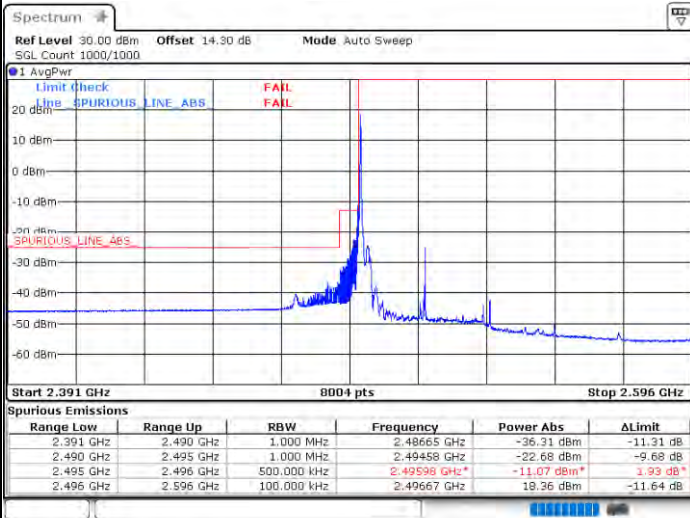
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FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass

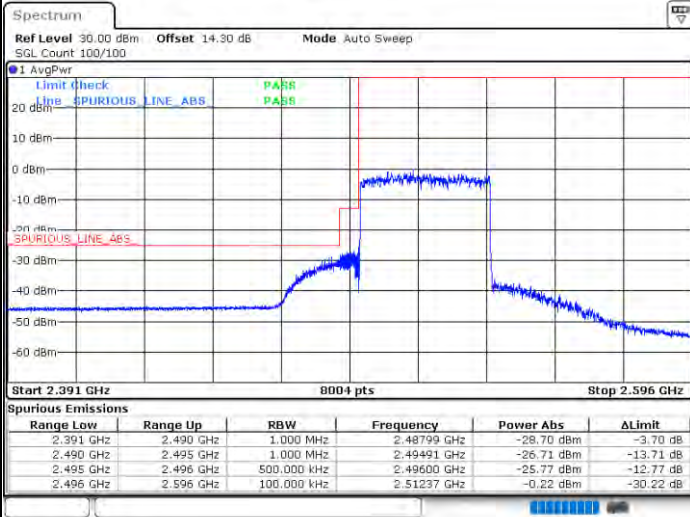


Date: 21.JAN.2021 04:12:08

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

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

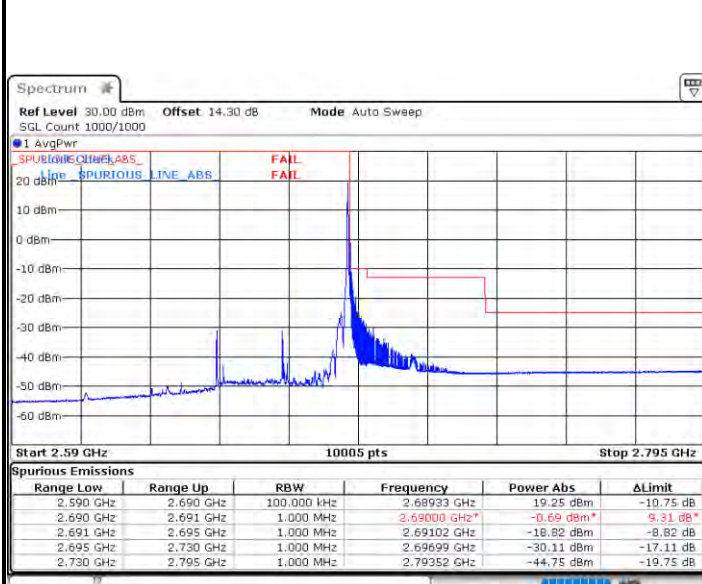


Date: 21.JAN.2021 04:12:31



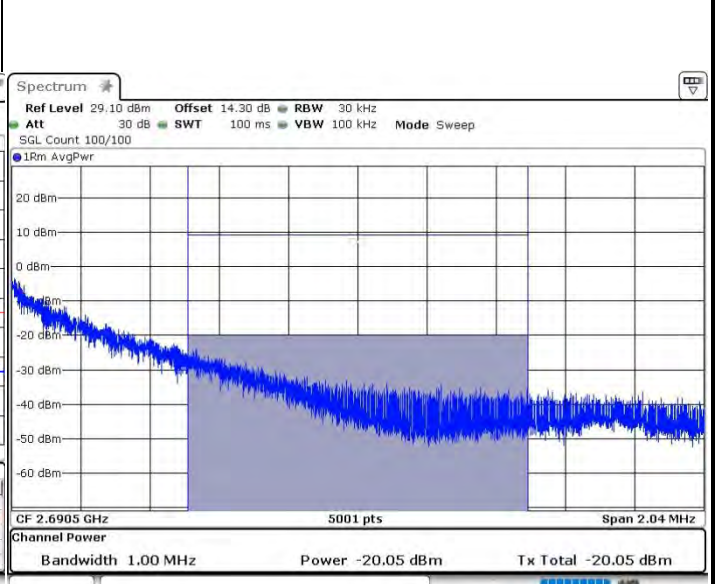
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB



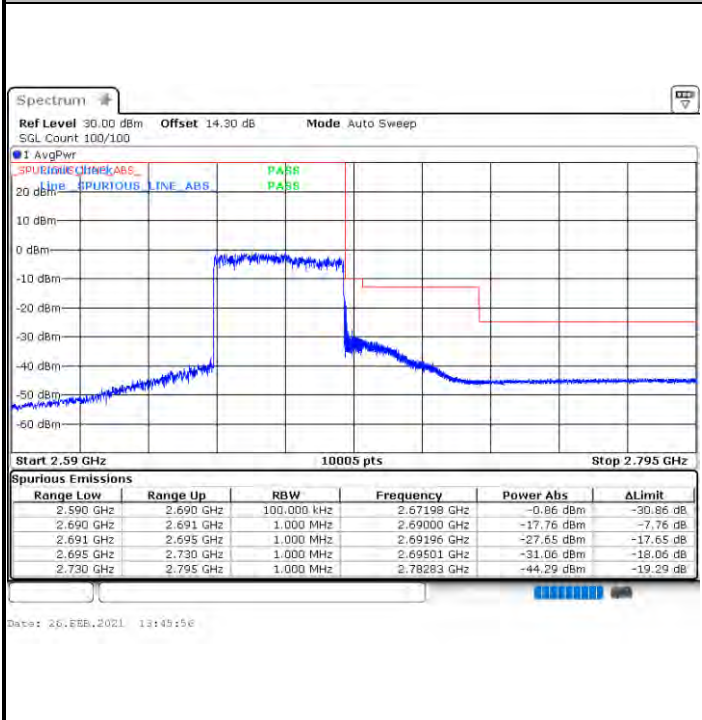
Date: 26.FEB.2021 13:38:55

Channel Power < -10dBm Pass



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

Highest Band Edge / Full RB



Date: 26.FEB.2021 13:49:56

Channel Power < -10dBm Pass

/

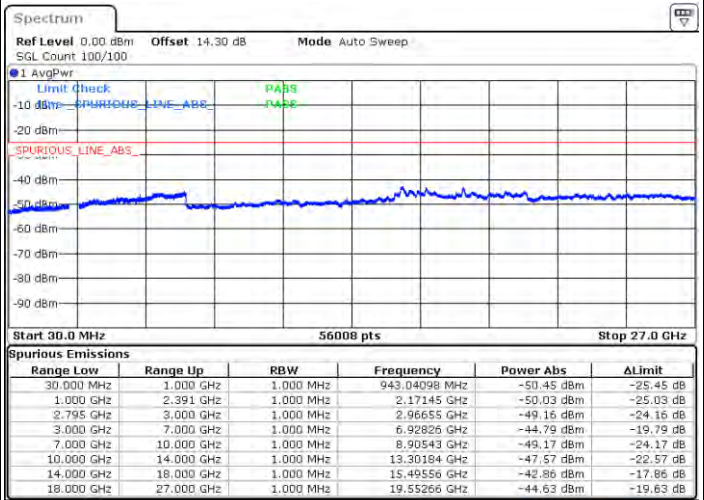
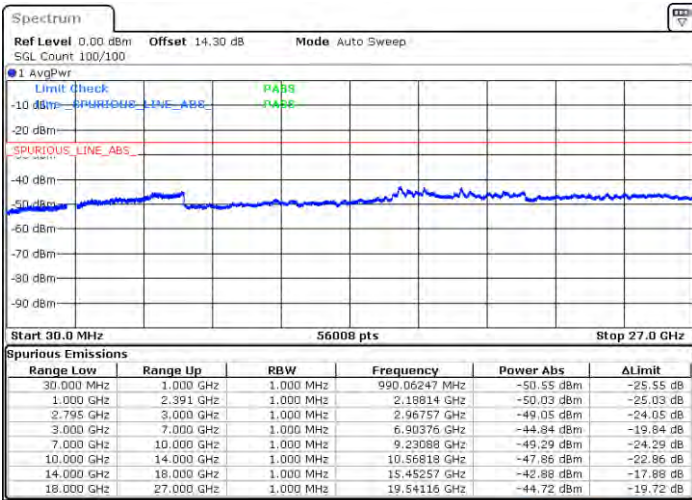


Conducted Spurious Emission

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

Lowest Channel / 1RB

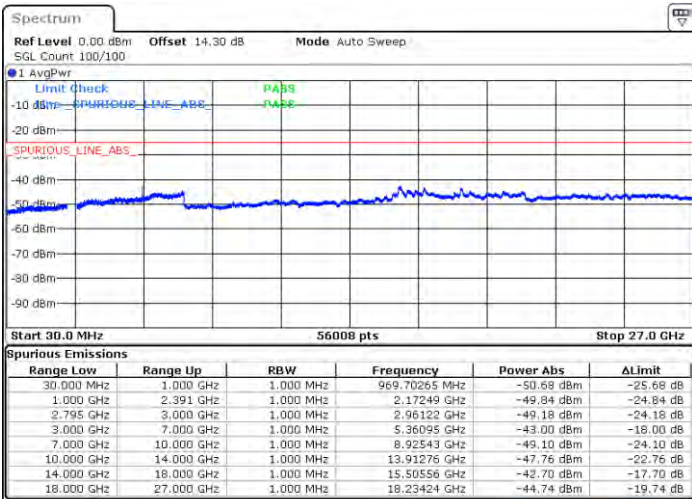
Middle Channel / 1RB



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

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

Highest Channel / 1RB



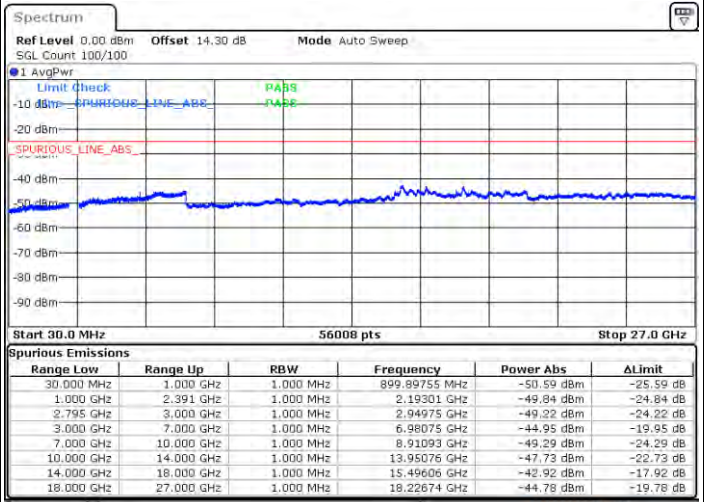
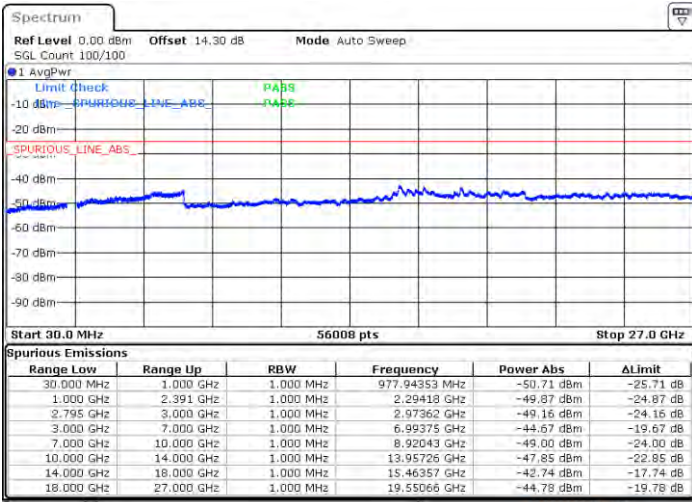
Date: 21, JAN, 2021 03:12:57



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

Lowest Channel / 1RB

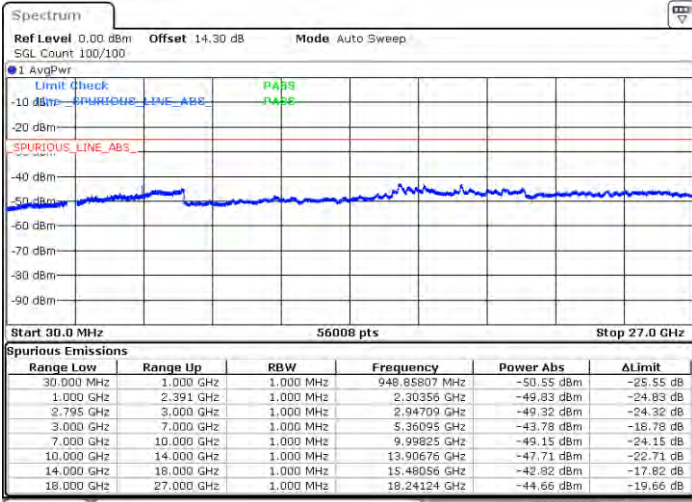
Middle Channel / 1RB



Date: 21, JAN, 2021 09:17:28

Date: 21, JAN, 2021 09:03:18

Highest Channel / 1RB



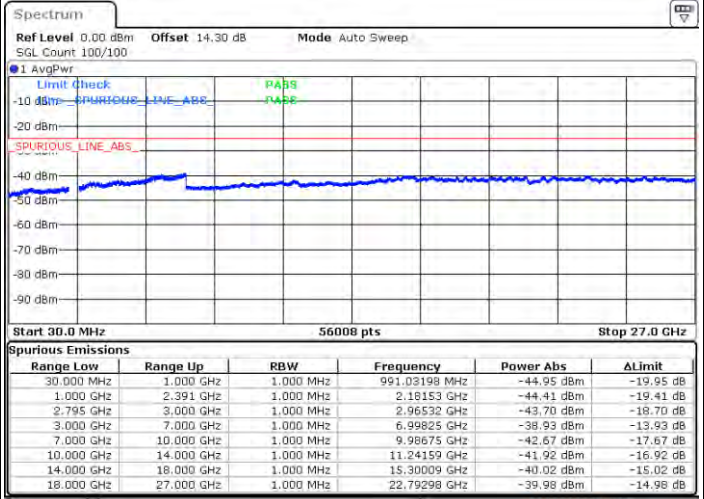
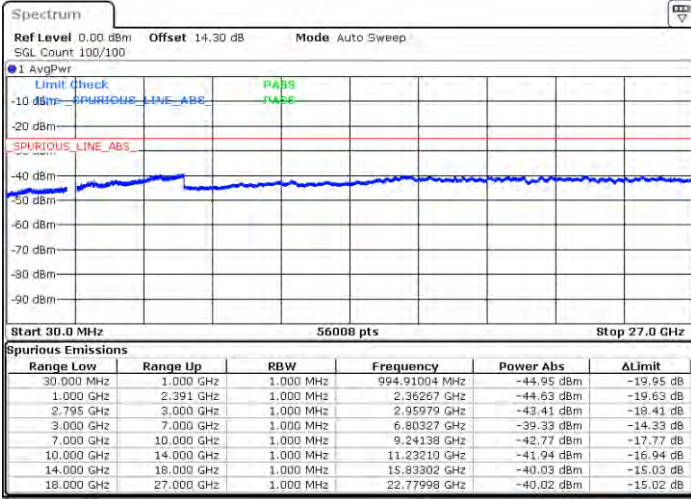
Date: 21, JAN, 2021 09:20:35



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

Lowest Channel / 1RB

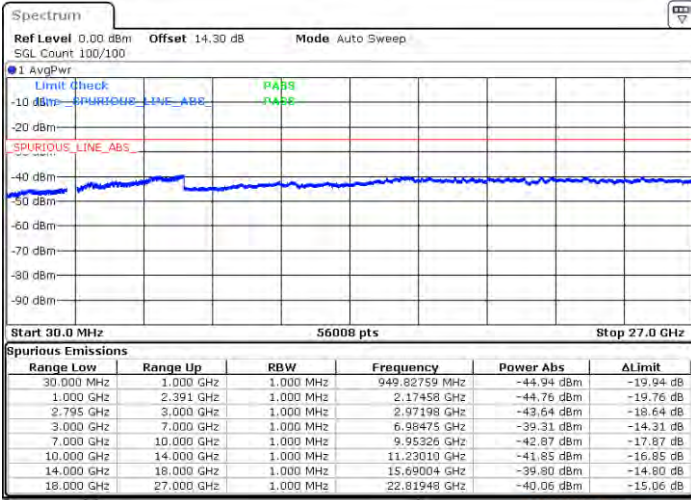
Middle Channel / 1RB



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

Date: 20, JAN, 2021 08:28:51

Highest Channel / 1RB



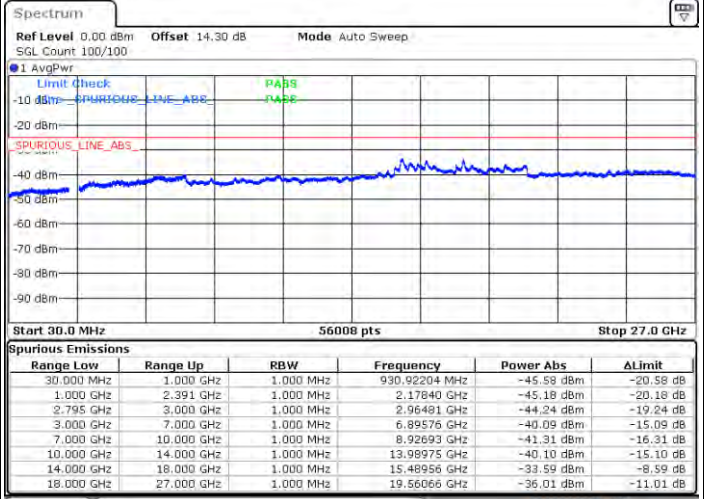
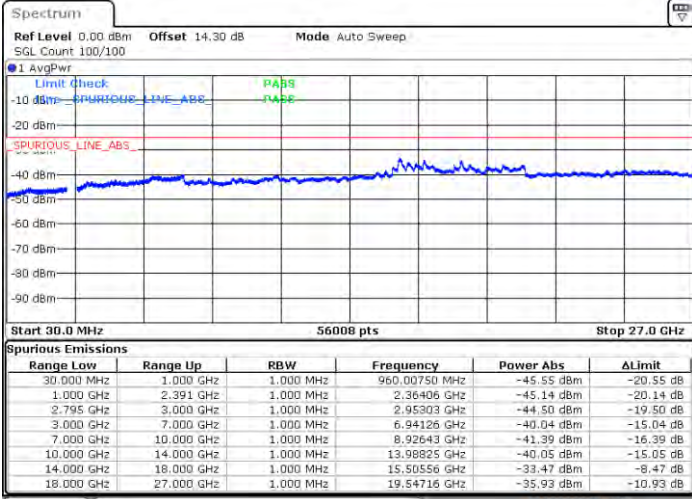
Date: 20, JAN, 2021 08:27:28



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

Lowest Channel / 1RB

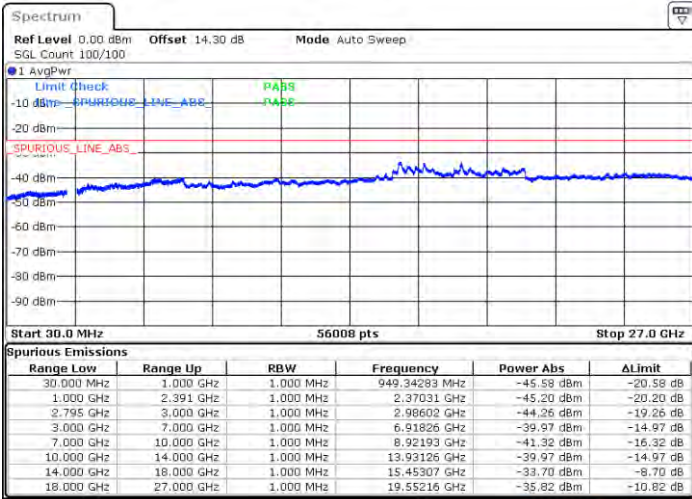
Middle Channel / 1RB



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

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

Highest Channel / 1RB



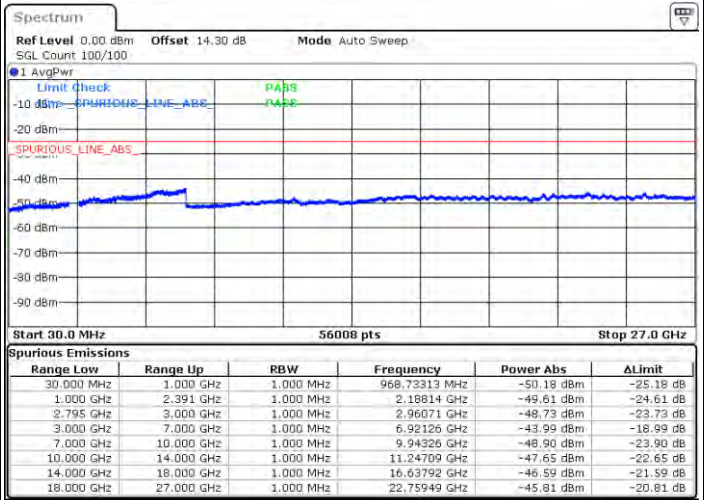
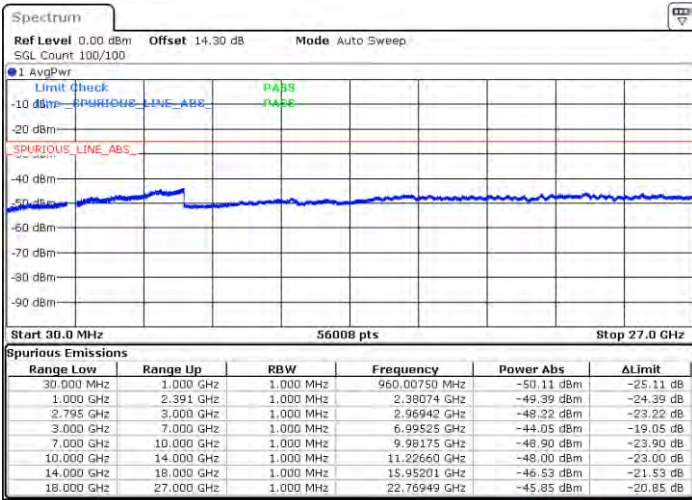
Date: 21, JAN, 2021 04:55:32



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

Lowest Channel / 1RB

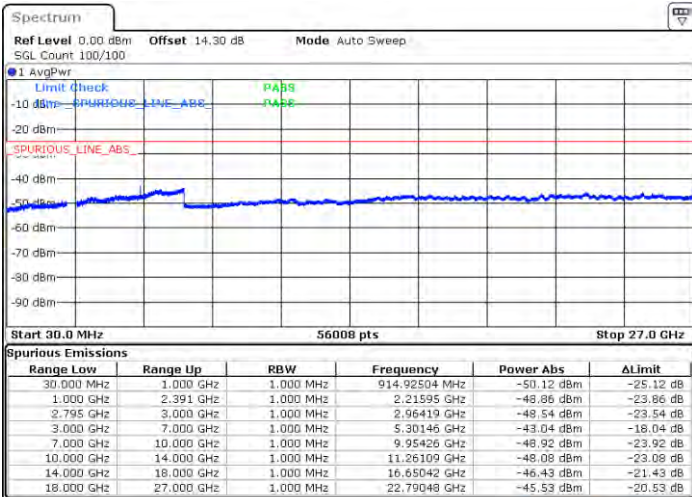
Middle Channel / 1RB



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

Date: 20, JAN, 2021 08:11:20

Highest Channel / 1RB



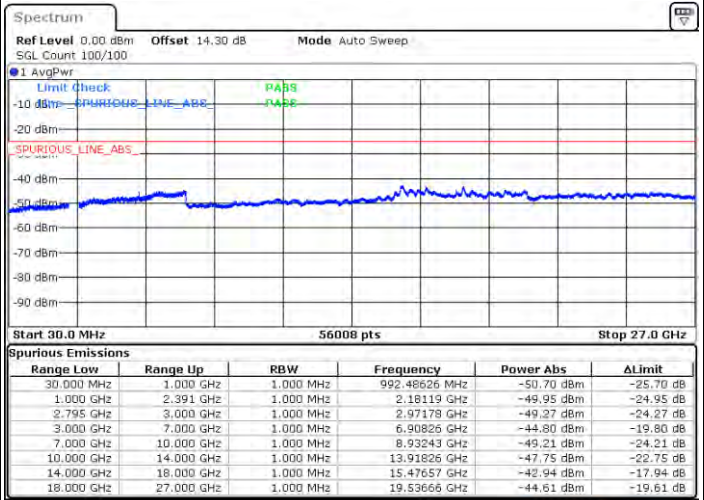
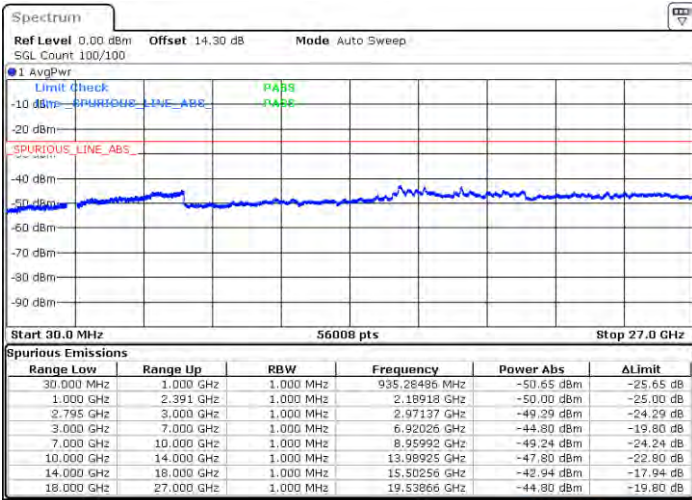
Date: 20, JAN, 2021 08:08:31



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

Lowest Channel / 1RB

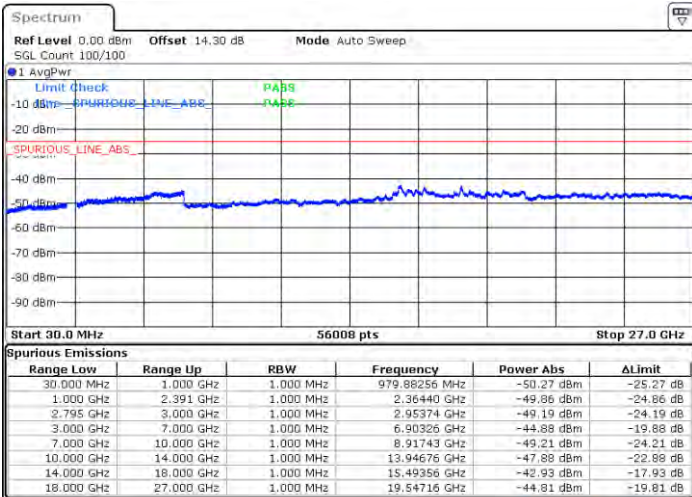
Middle Channel / 1RB



Date: 21, JAN, 2021 04:09:00

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

Highest Channel / 1RB



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			



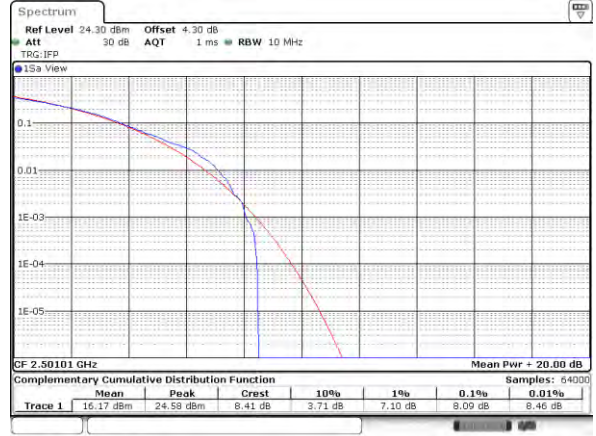
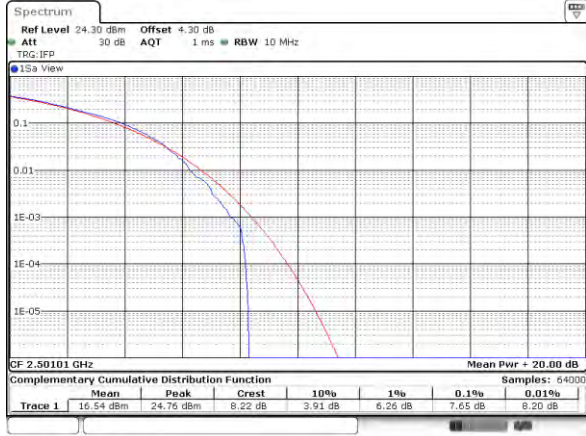
FR1 UL-MIMO n41 / 10MHz / CP-OFDM

QPSK(M2)

QPSK(M)

Lowest Channel / 1RB

Lowest Channel / 1RB

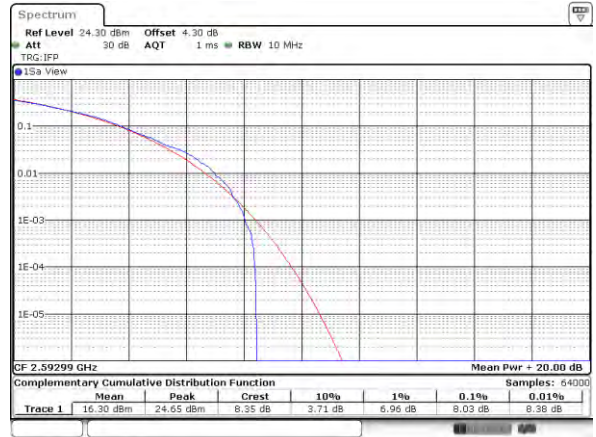
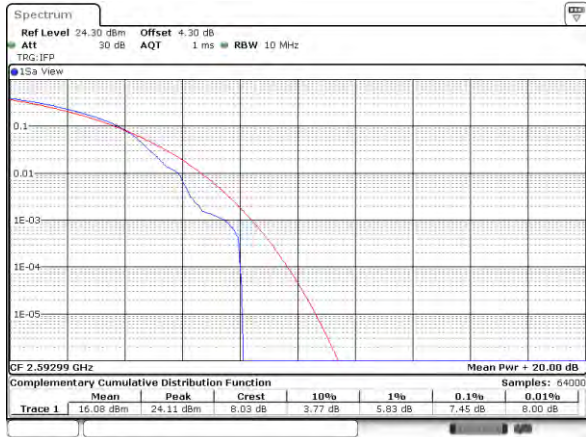


Date: 15_JAN,2021 21:30:02

Date: 15_JAN,2021 21:20:47

Middle Channel / 1 RB

Middle Channel / 1 RB

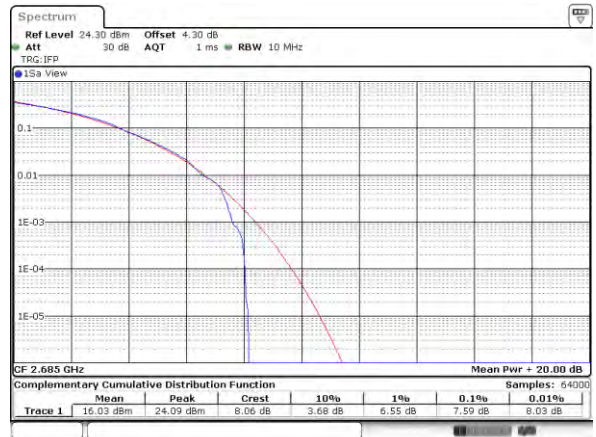
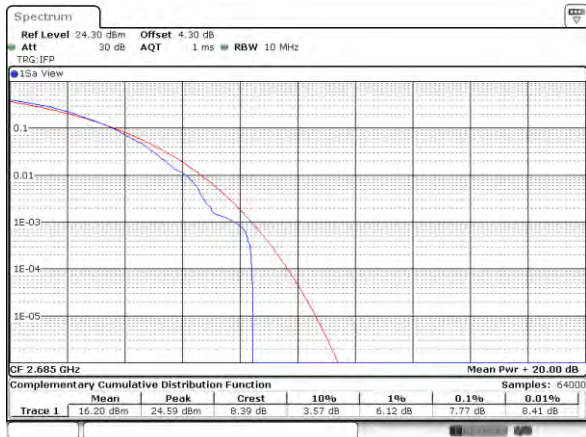


Date: 15_JAN,2021 21:46:24

Date: 15_JAN,2021 21:19:33

Highest Channel / 1 RB

Highest Channel / 1 RB



Date: 15_JAN,2021 22:20:08

Date: 15_JAN,2021 21:18:07



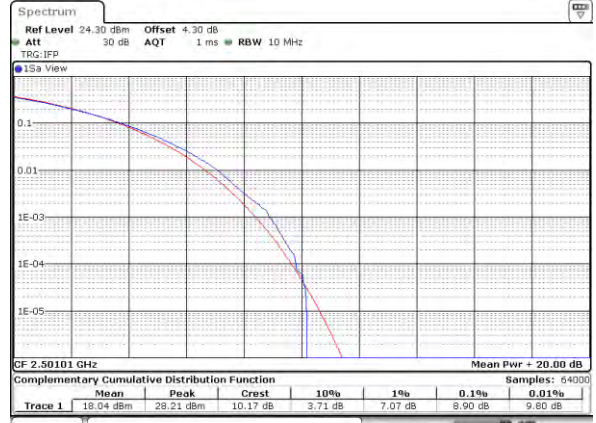
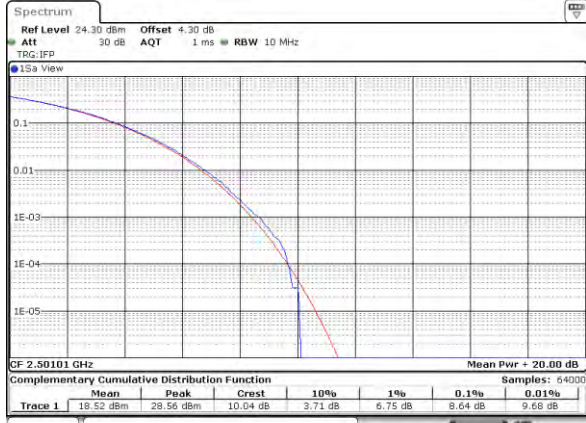
FR1 UL-MIMO n41 / 20MHz / CP-OFDM

QPSK(M2)

QPSK(M)

Lowest Channel / Full RB

Lowest Channel / Full RB

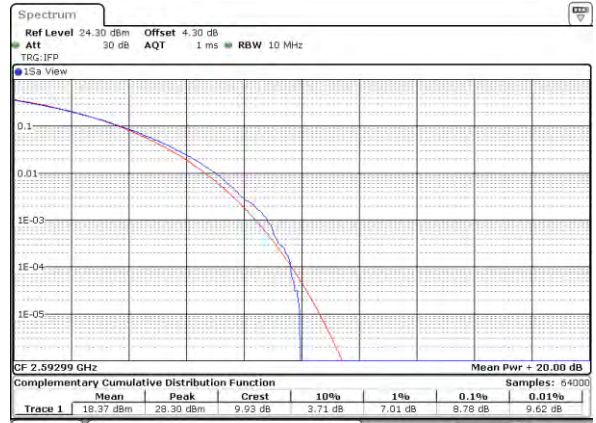
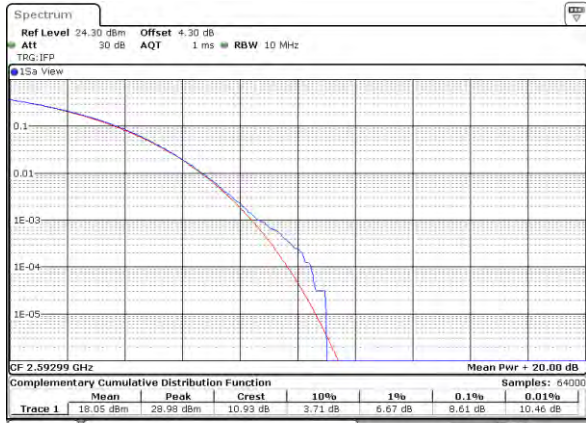


Date: 15_JAN,2021 21:26:50

Date: 15_JAN,2021 21:22:17

Middle Channel / Full RB

Middle Channel / Full RB

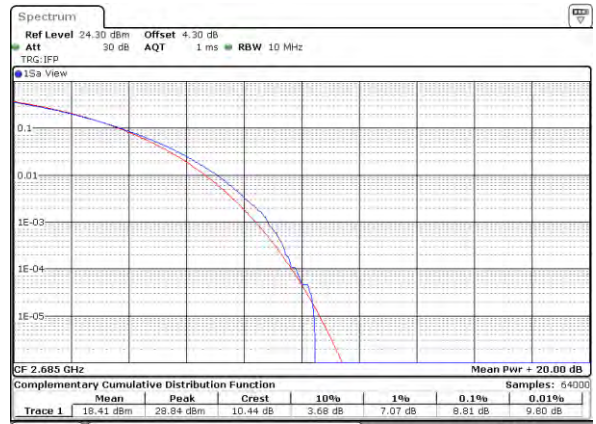
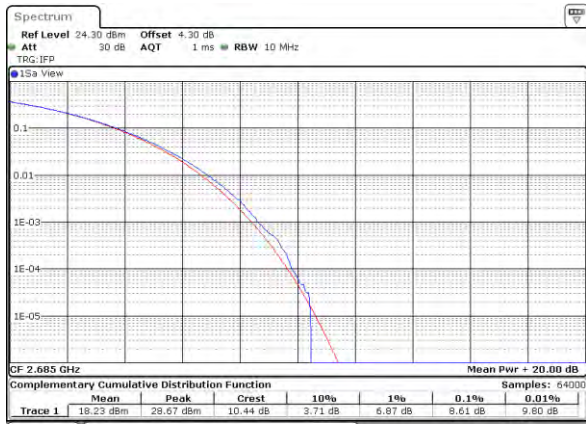


Date: 15_JAN,2021 21:44:58

Date: 15_JAN,2021 21:17:40

Highest Channel / Full RB

Highest Channel / Full RB



Date: 15_JAN,2021 22:22:28

Date: 15_JAN,2021 21:16:42



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



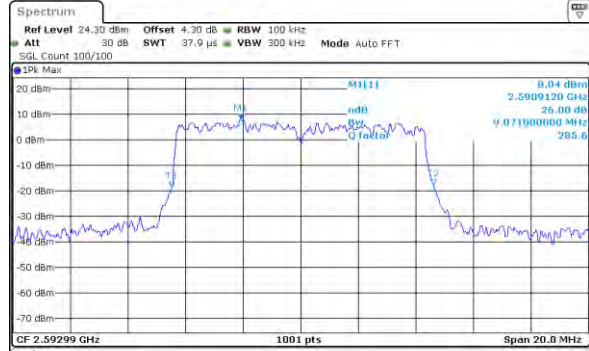
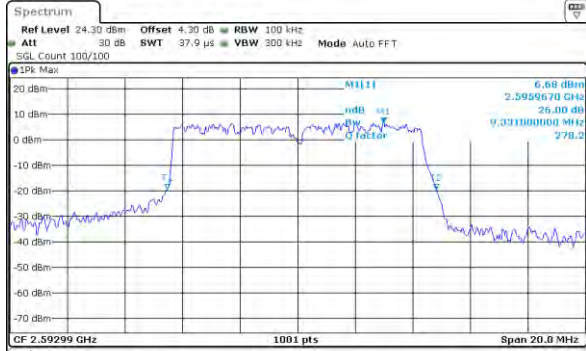
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.595967 GHz	6.68 dBm	ndB down	9.331 MHz
T1	1		2.588475 GHz	-19.37 dBm	ndB	26.00 dB
T2	1		2.597605 GHz	-18.47 dBm	Q factor	278.2

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.590912 GHz	8.04 dBm	ndB down	9.071 MHz
T1	1		2.588514 GHz	-18.53 dBm	ndB	26.00 dB
T2	1		2.597585 GHz	-17.84 dBm	Q factor	285.6

Date: 15.JAN.2021 20:44:58

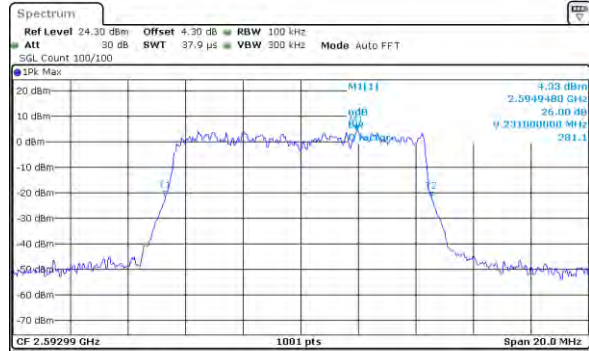
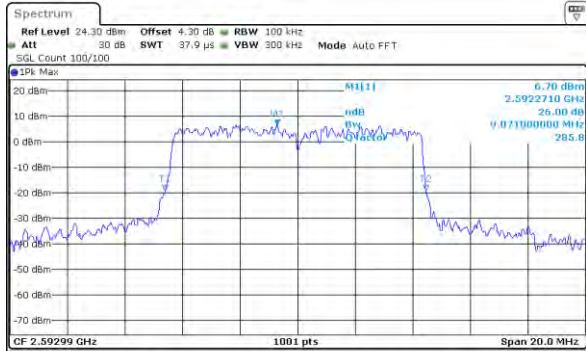
Date: 15.JAN.2021 20:45:59

64QAM

256QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.592271 GHz	6.70 dBm	ndB down	9.071 MHz
T1	1		2.588375 GHz	-19.19 dBm	ndB	26.00 dB
T2	1		2.597446 GHz	-19.19 dBm	Q factor	285.8

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.594948 GHz	4.33 dBm	ndB down	9.231 MHz
T1	1		2.588295 GHz	-21.43 dBm	ndB	26.00 dB
T2	1		2.597525 GHz	-21.57 dBm	Q factor	281.1

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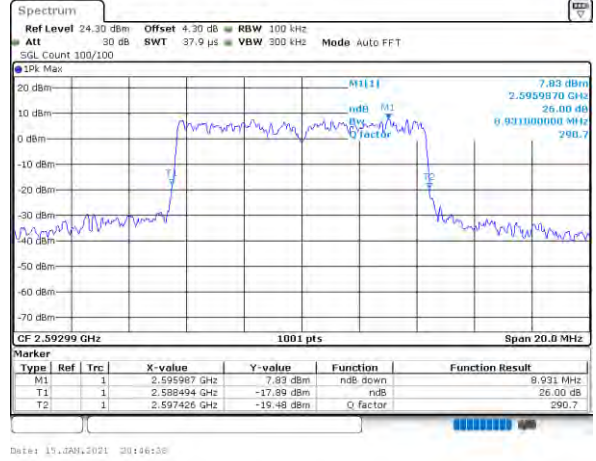
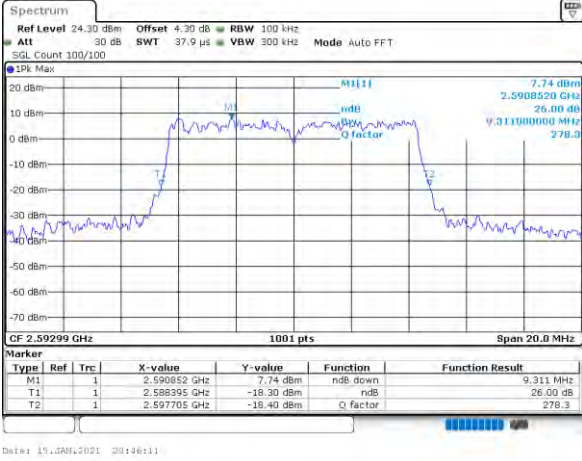
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel

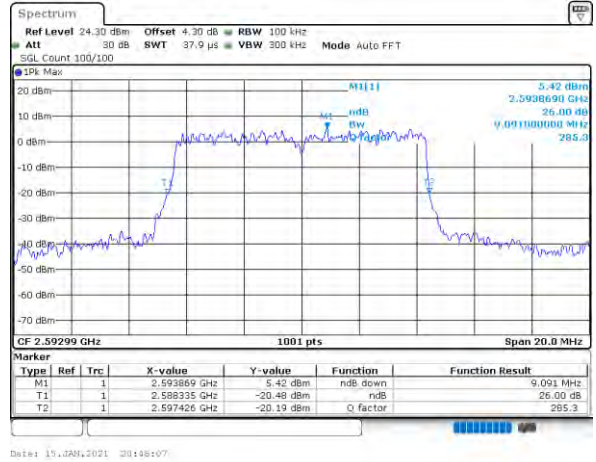
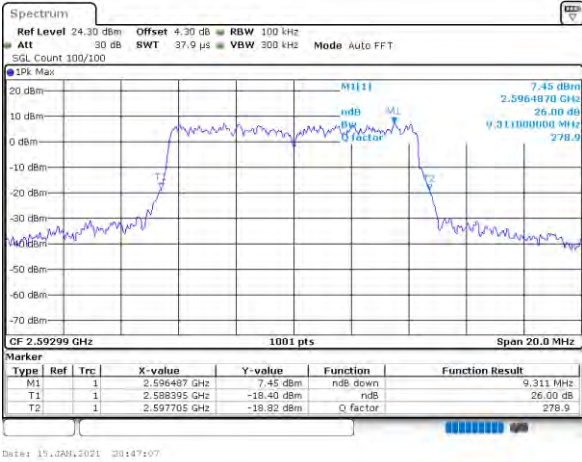


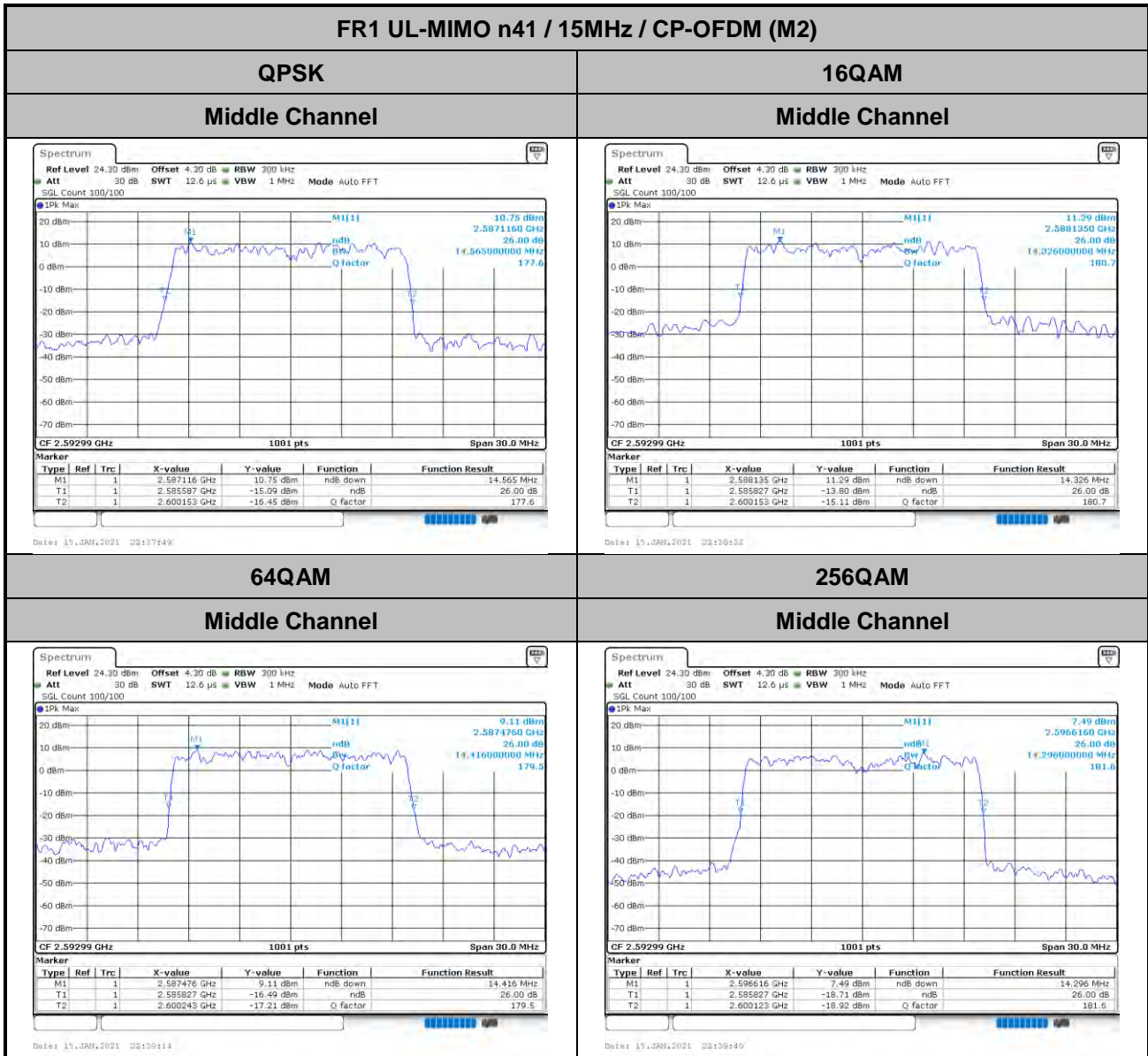
64QAM

256QAM

Middle Channel

Middle Channel







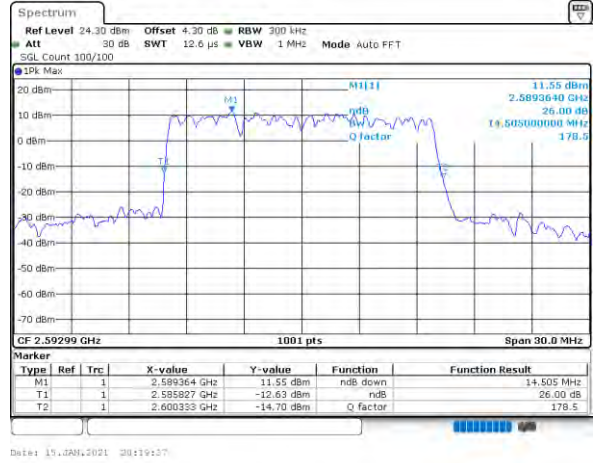
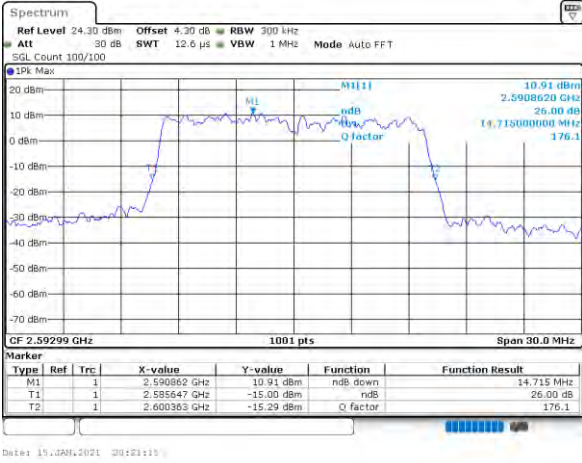
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel

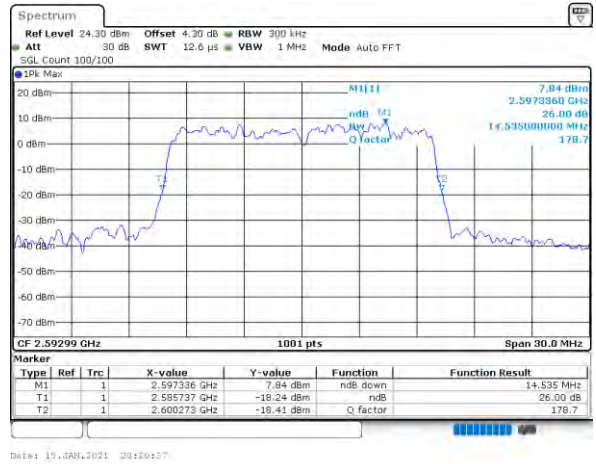
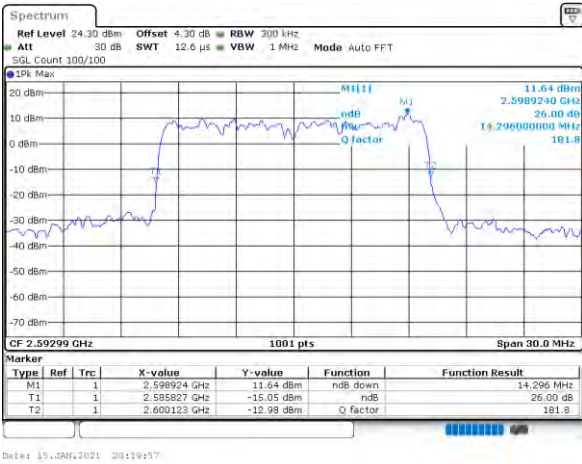


64QAM

256QAM

Middle Channel

Middle Channel





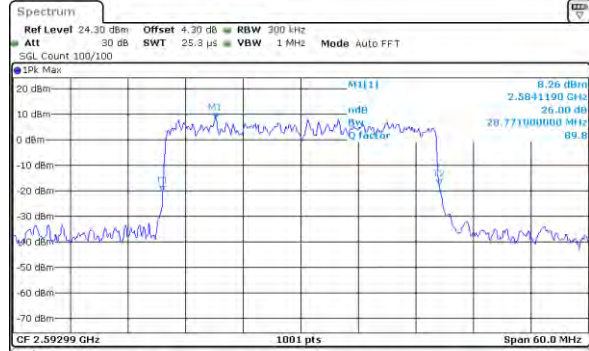
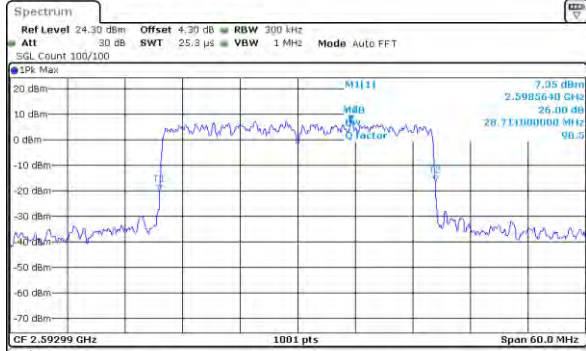
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.598564 GHz	7.35 dBm	ndB down	28.711 MHz
T1	1		2.578604 GHz	-19.50 dBm	ndB	26.00 dB
T2	1		2.607316 GHz	-16.33 dBm	Q factor	90.5

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.584119 GHz	8.26 dBm	ndB down	28.771 MHz
T1	1		2.578604 GHz	-20.26 dBm	ndB	26.00 dB
T2	1		2.607376 GHz	-17.67 dBm	Q factor	89.8

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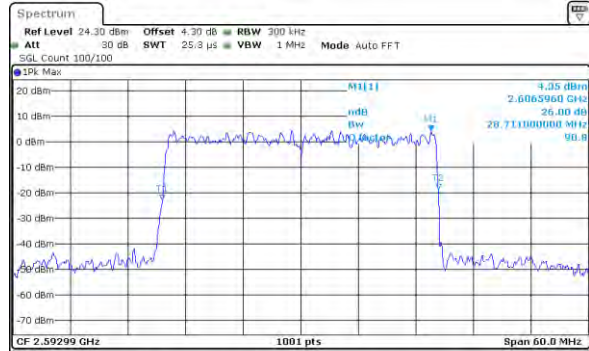
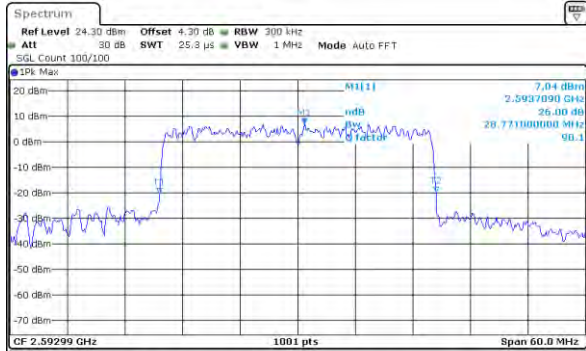
Date: 15_JAN_2021 02:46:14

64QAM

256QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.592709 GHz	7.04 dBm	ndB down	28.771 MHz
T1	1		2.578604 GHz	-20.26 dBm	ndB	26.00 dB
T2	1		2.607376 GHz	-19.66 dBm	Q factor	90.1

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.606596 GHz	4.35 dBm	ndB down	28.711 MHz
T1	1		2.578604 GHz	-22.77 dBm	ndB	26.00 dB
T2	1		2.607316 GHz	-18.56 dBm	Q factor	90.8

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Date: 15_JAN_2021 02:49:10



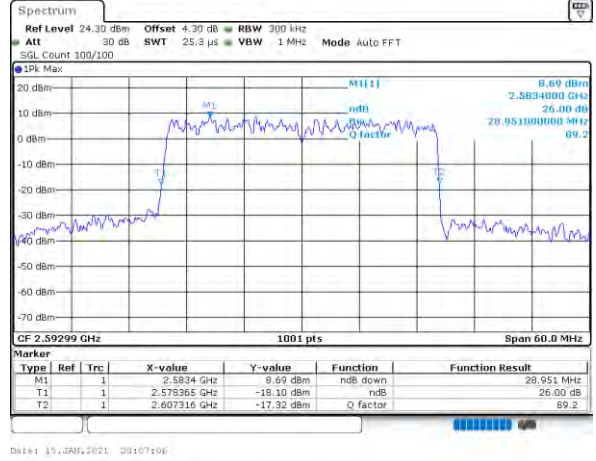
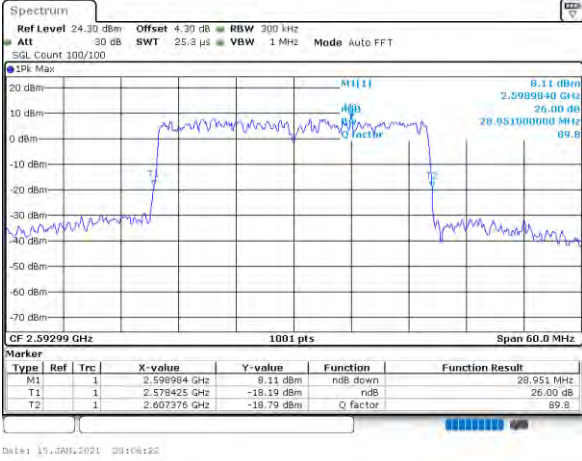
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel

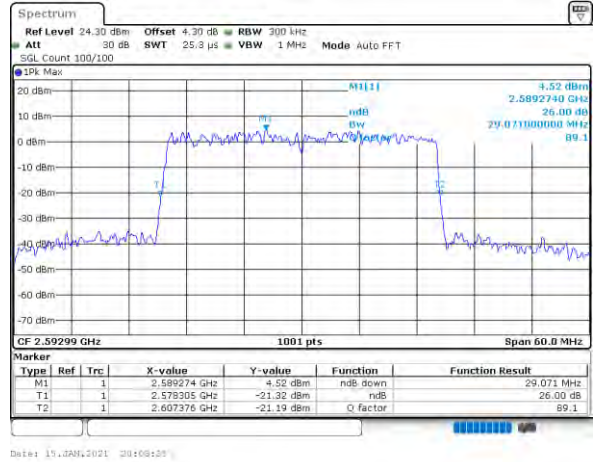
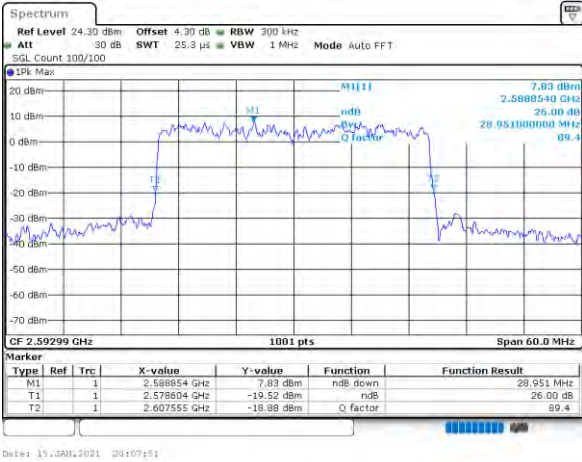


64QAM

256QAM

Middle Channel

Middle Channel





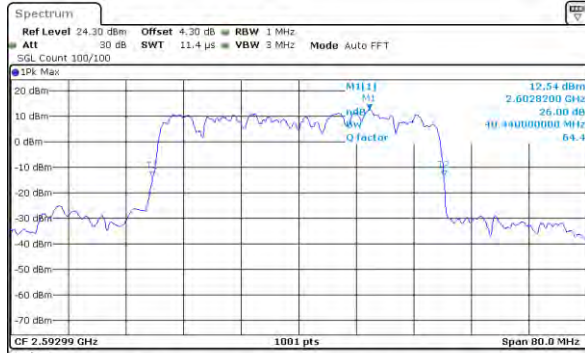
FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M2)

QPSK

16QAM

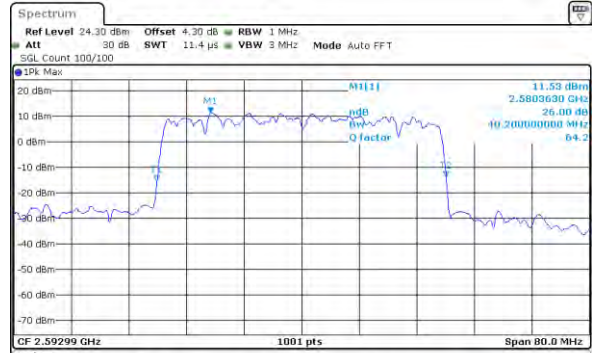
Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.60289 GHz	12.54 dBm	ndB down	40.44 MHz
T1	1		2.57269 GHz	-13.74 dBm	ndB	26.00 dB
T2	1		2.61313 GHz	-13.37 dBm	Q factor	64.4

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.590363 GHz	11.53 dBm	ndB down	40.2 MHz
T1	1		2.57265 GHz	-15.38 dBm	ndB	26.00 dB
T2	1		2.61305 GHz	-13.71 dBm	Q factor	64.2

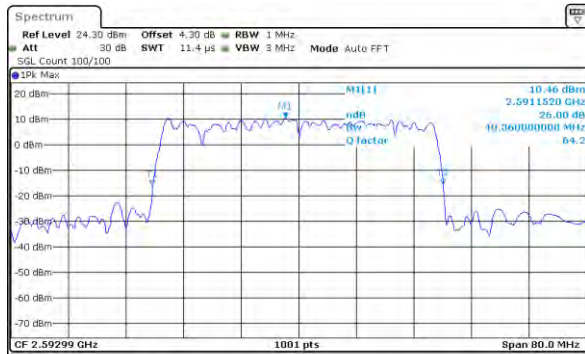
Date: 15.JAN.2021 02:10:32

64QAM

256QAM

Middle Channel

Middle Channel



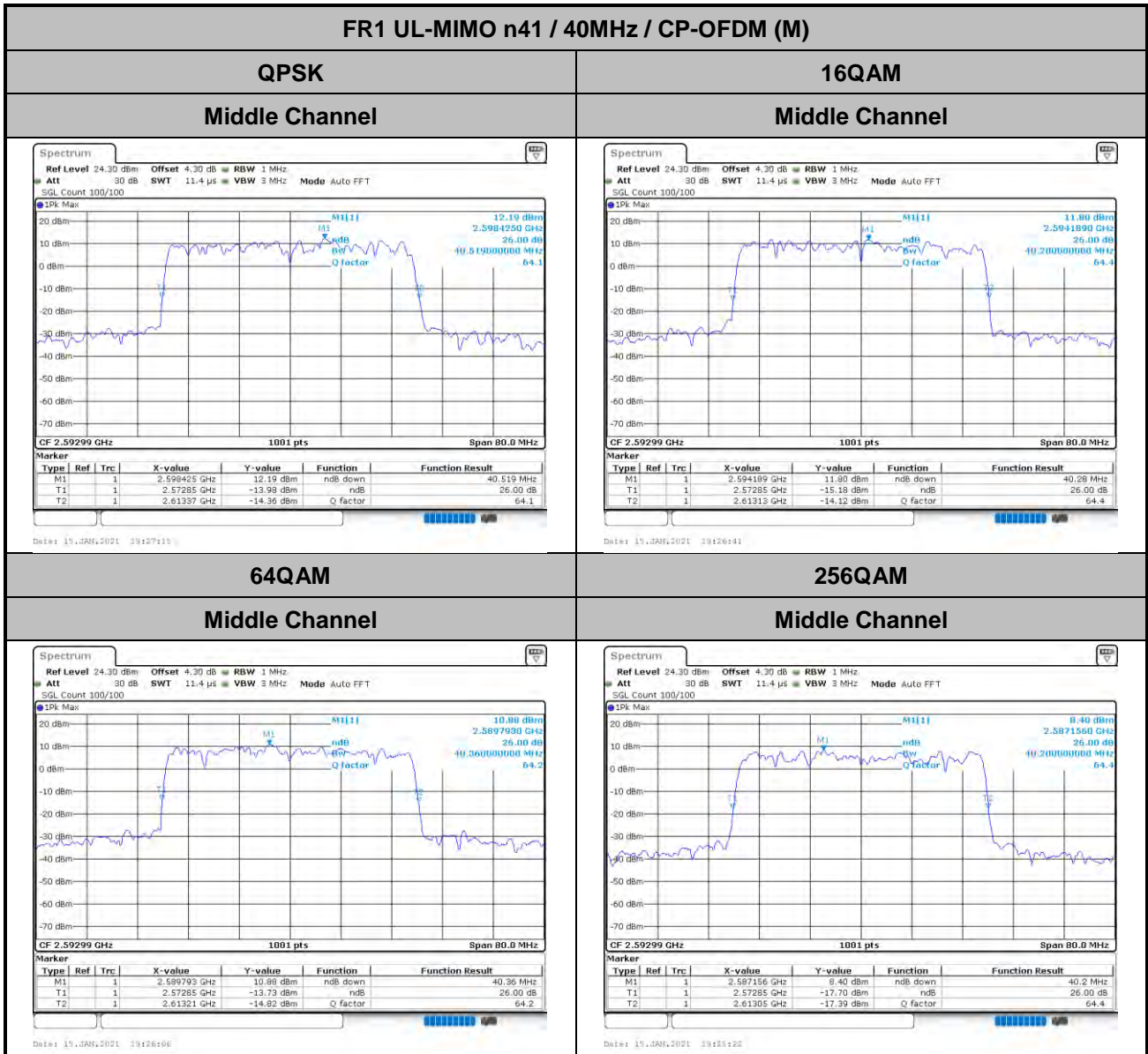
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.591152 GHz	10.46 dBm	ndB down	40.36 MHz
T1	1		2.57269 GHz	-16.06 dBm	ndB	26.00 dB
T2	1		2.61305 GHz	-15.41 dBm	Q factor	64.2

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.601701 GHz	8.36 dBm	ndB down	40.28 MHz
T1	1		2.57285 GHz	-18.38 dBm	ndB	26.00 dB
T2	1		2.61313 GHz	-18.30 dBm	Q factor	64.5

Date: 15.JAN.2021 02:08:24





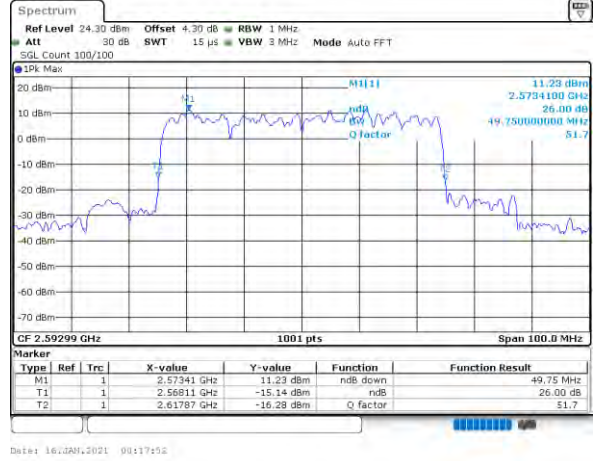
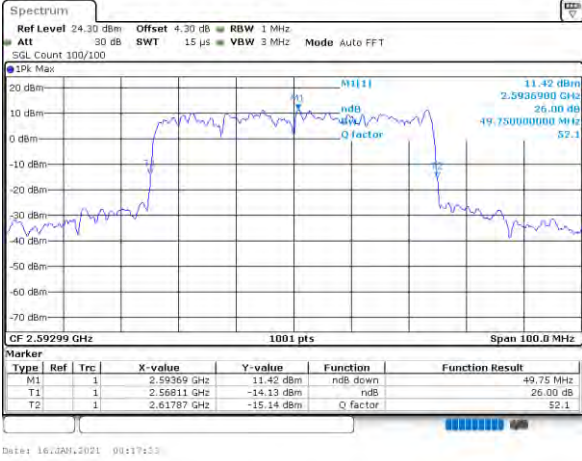
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel

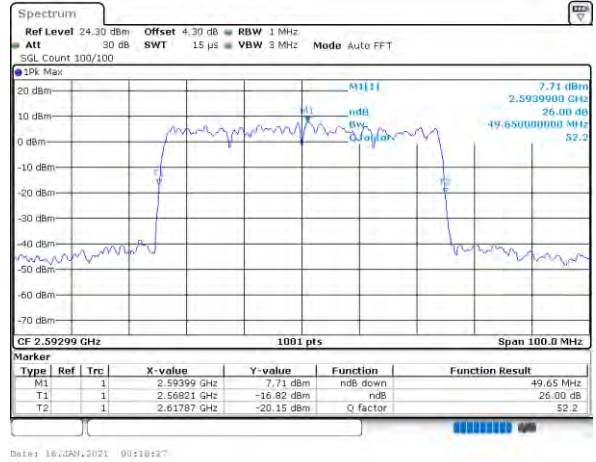
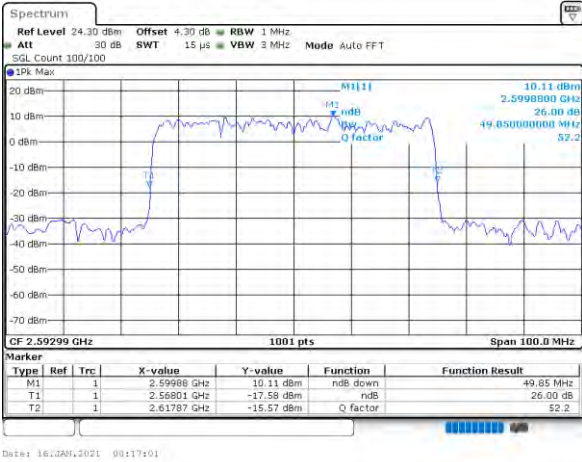


64QAM

256QAM

Middle Channel

Middle Channel





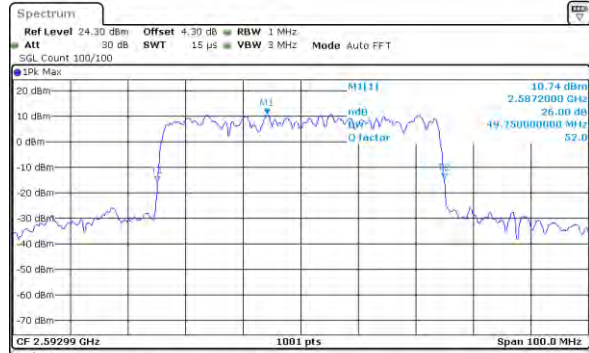
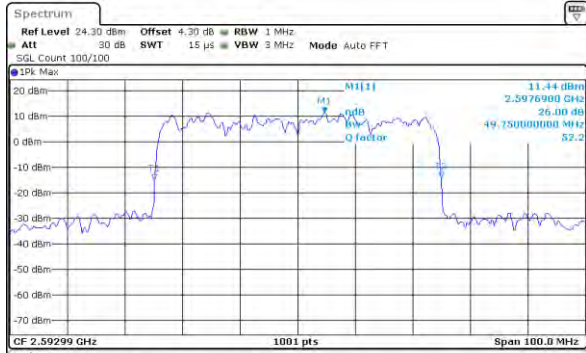
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.59769 GHz	11.44 dBm	ndB down	49.75 MHz
T1	1		2.56811 GHz	-14.91 dBm	ndB	26.00 dB
T2	1		2.61787 GHz	-13.99 dBm	Q factor	52.2

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.5872 GHz	10.74 dBm	ndB down	49.75 MHz
T1	1		2.56811 GHz	-15.77 dBm	ndB	26.00 dB
T2	1		2.61787 GHz	-14.43 dBm	Q factor	52.0

Date: 15_JAN_2021 09:23:15

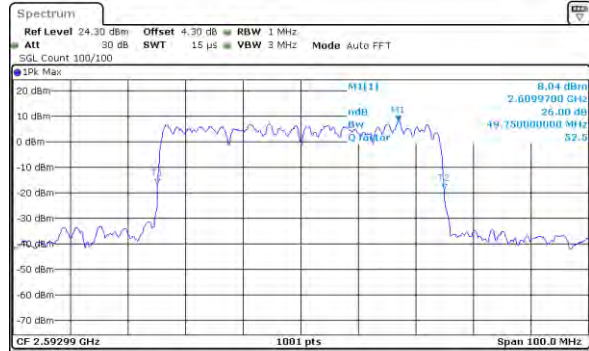
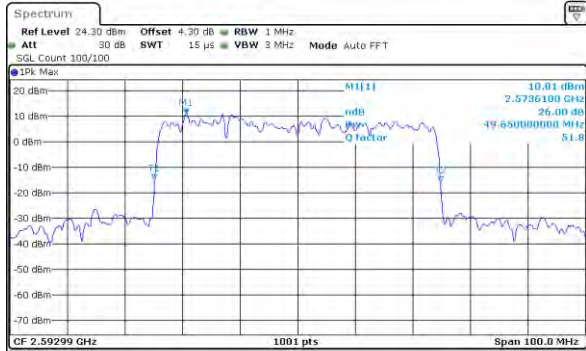
Date: 15_JAN_2021 09:23:15

64QAM

256QAM

Middle Channel

Middle Channel



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.57361 GHz	10.81 dBm	ndB down	49.65 MHz
T1	1		2.56811 GHz	-14.99 dBm	ndB	26.00 dB
T2	1		2.61777 GHz	-15.60 dBm	Q factor	51.8

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.60997 GHz	8.04 dBm	ndB down	49.75 MHz
T1	1		2.56811 GHz	-16.48 dBm	ndB	26.00 dB
T2	1		2.61787 GHz	-18.54 dBm	Q factor	52.5

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Date: 15_JAN_2021 09:24:21



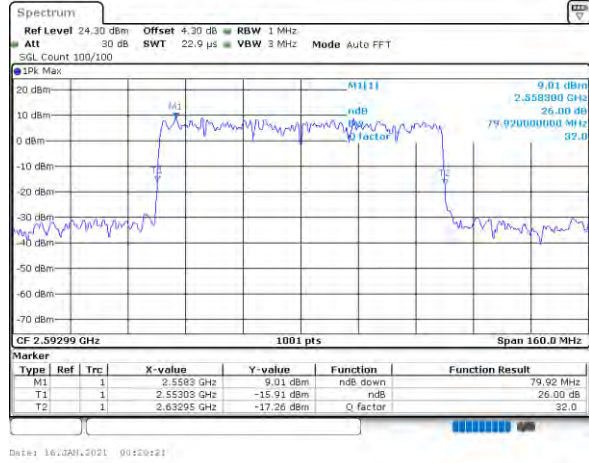
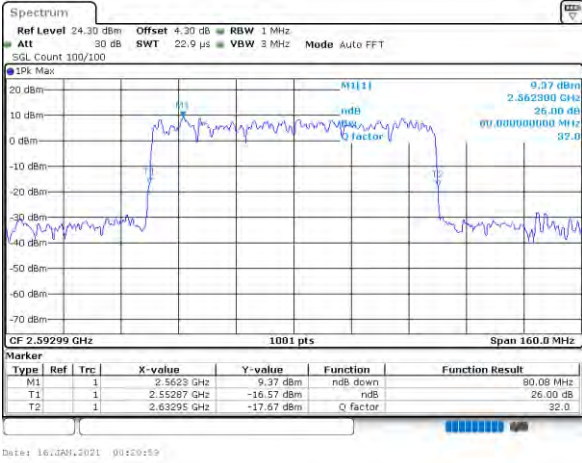
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel

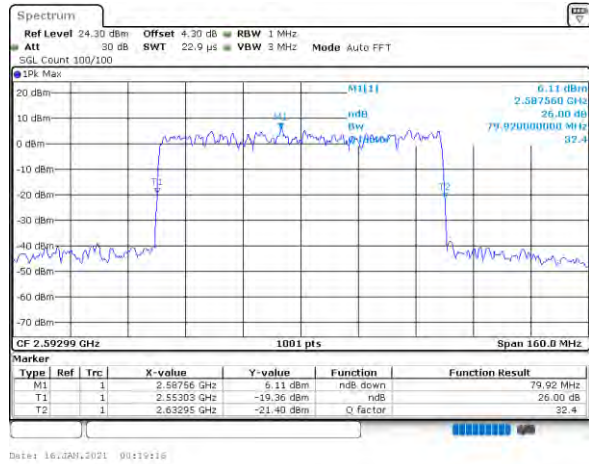
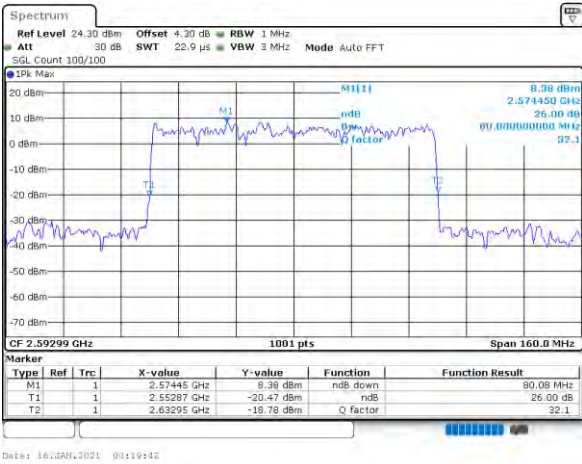


64QAM

256QAM

Middle Channel

Middle Channel





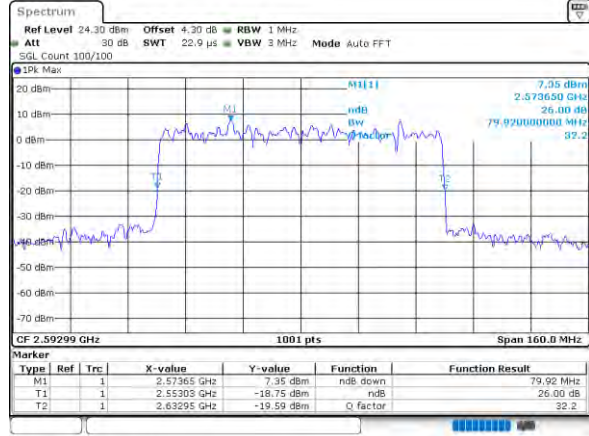
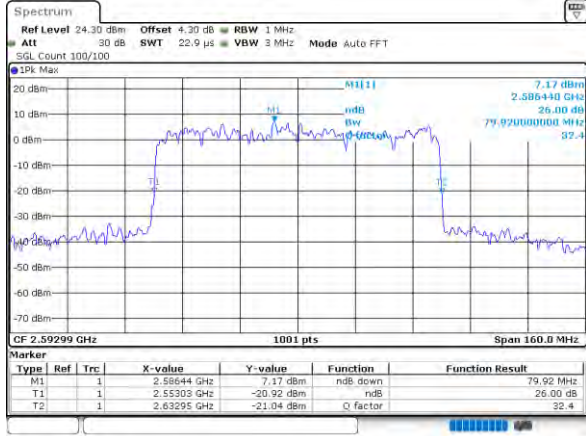
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 07:20:44

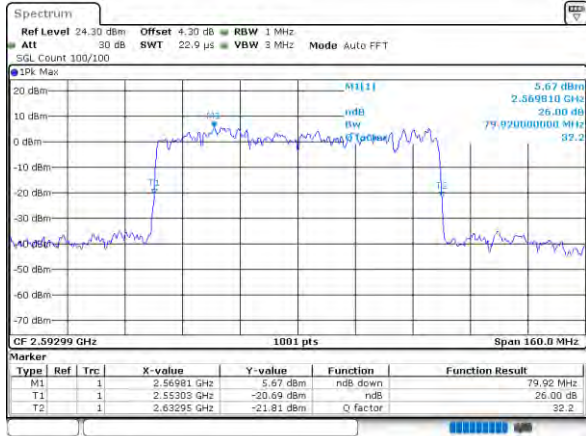
Date: 15.JAN.2021 07:20:53

64QAM

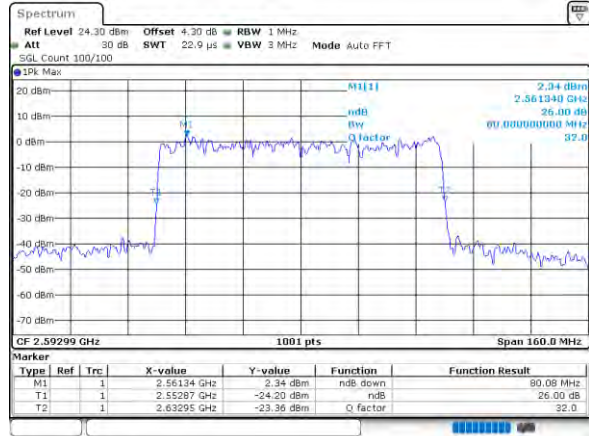
256QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 07:20:14



Date: 15.JAN.2021 07:20:53



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



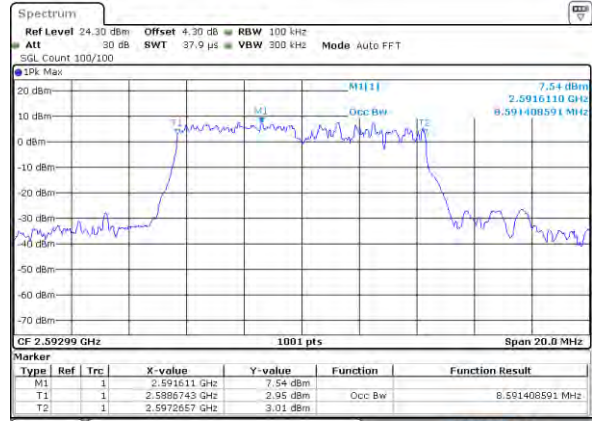
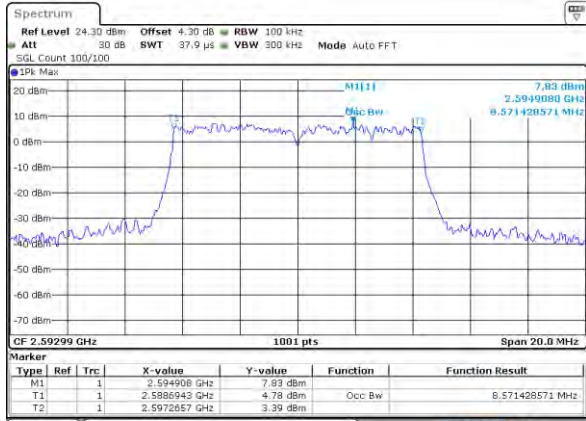
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 20:44:51

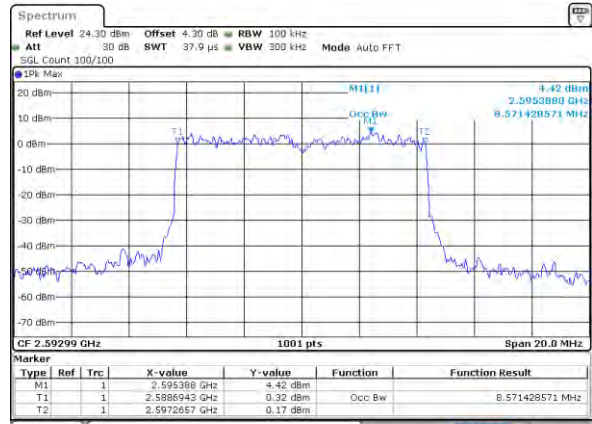
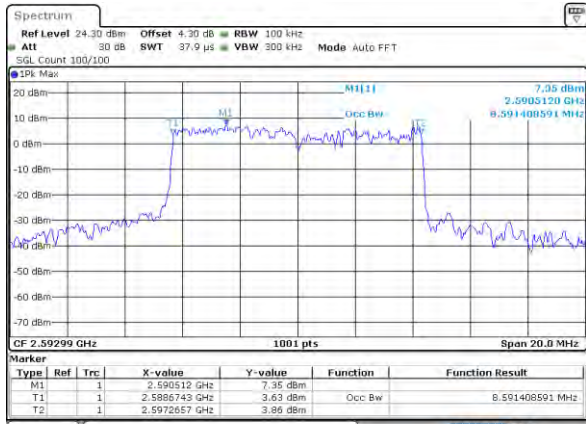
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64QAM

256QAM

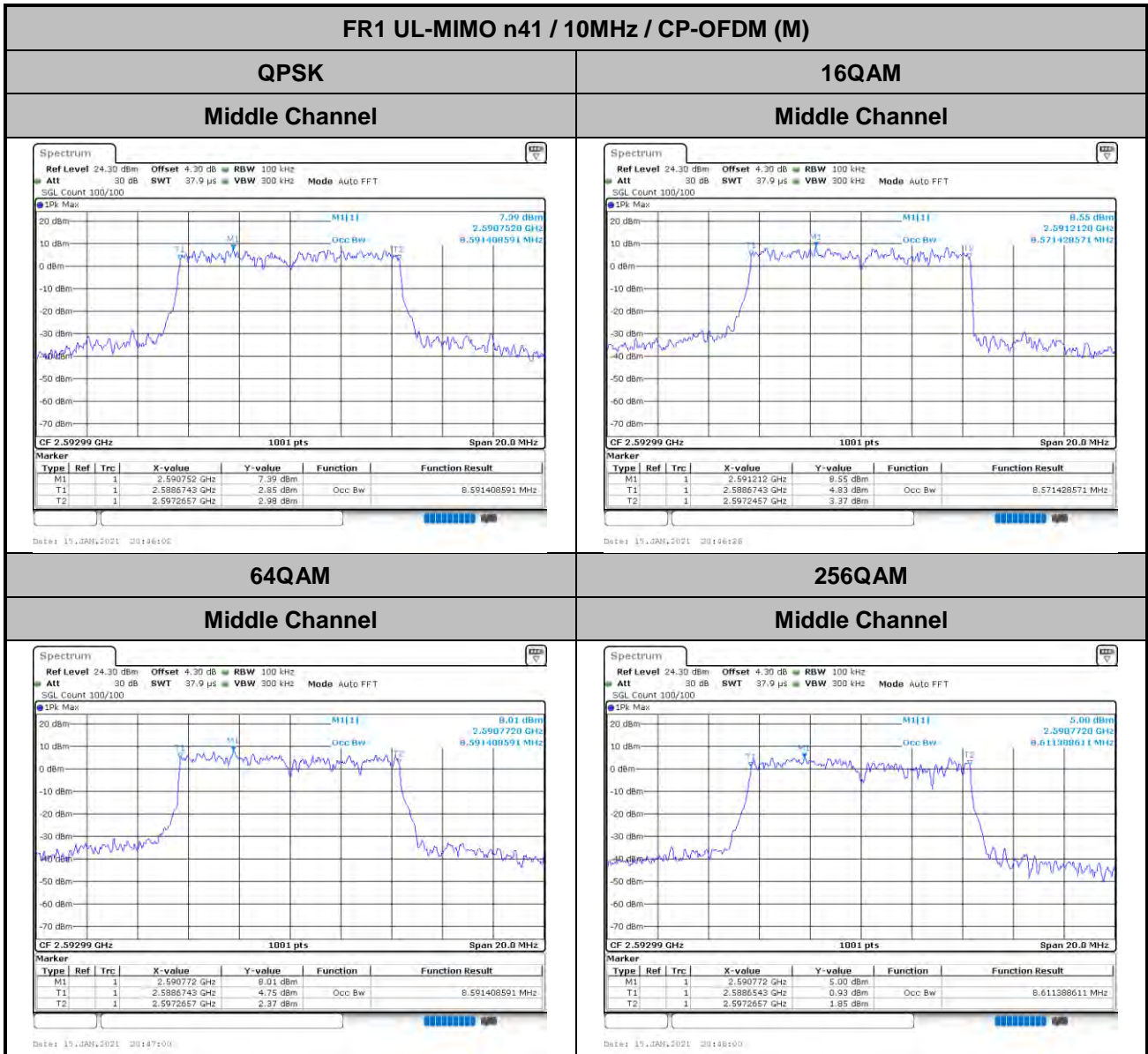
Middle Channel

Middle Channel



Date: 15.JAN.2021 20:46:19

Date: 15.JAN.2021 20:46:40





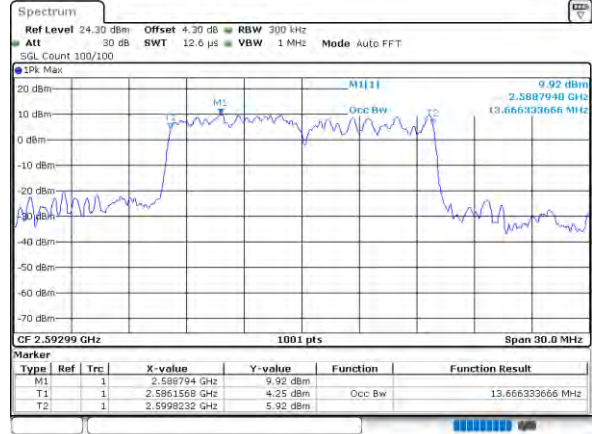
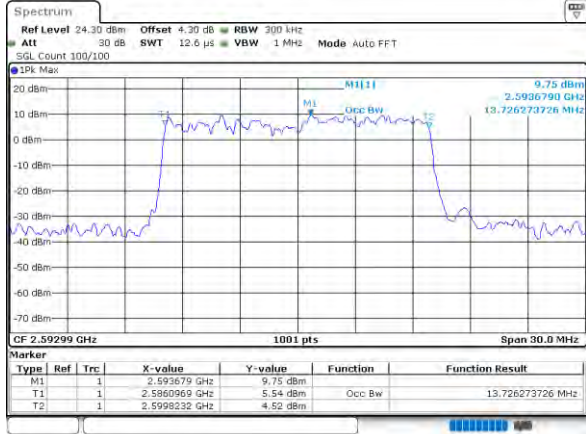
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 02:18:14

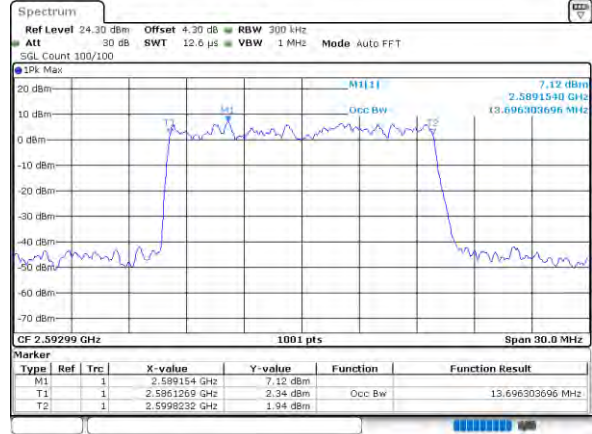
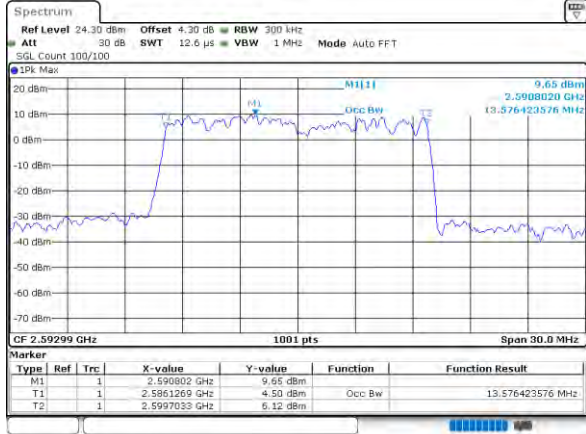
Date: 15.JAN.2021 02:18:22

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 02:18:59

Date: 15.JAN.2021 02:19:28



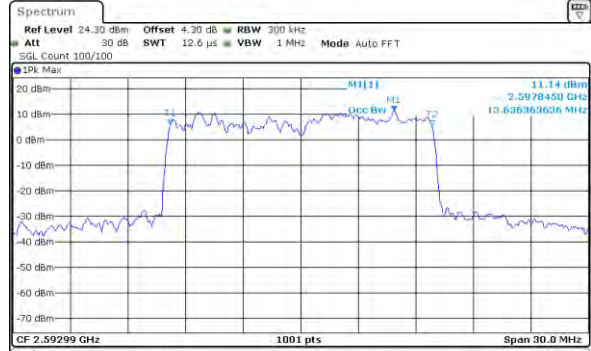
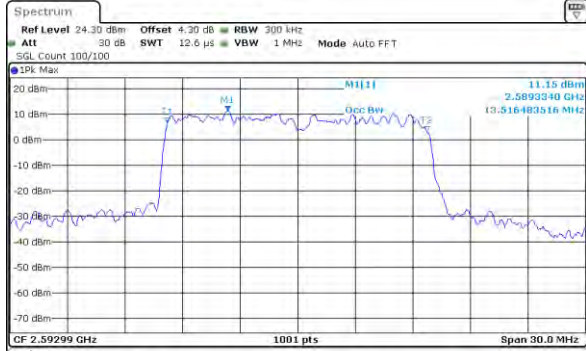
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 20:12:58

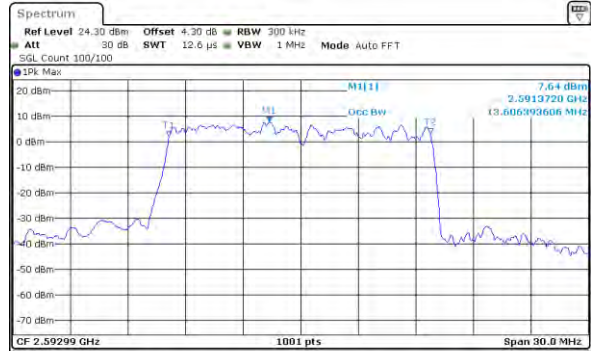
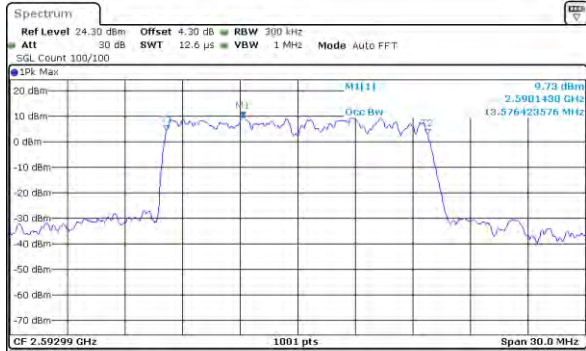
Date: 15_JAN_2021 20:19:29

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 20:19:51

Date: 15_JAN_2021 20:20:28



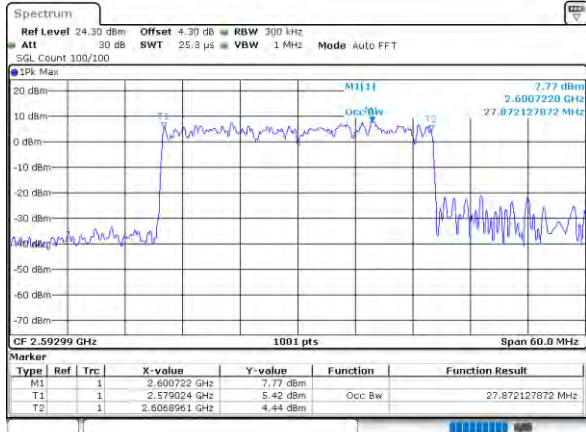
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M2)

QPSK

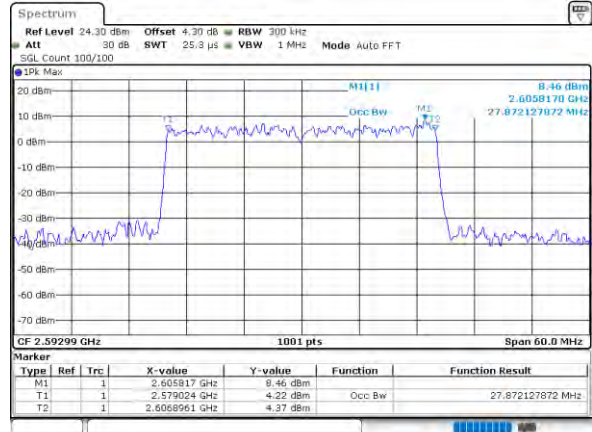
16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 02:44:19



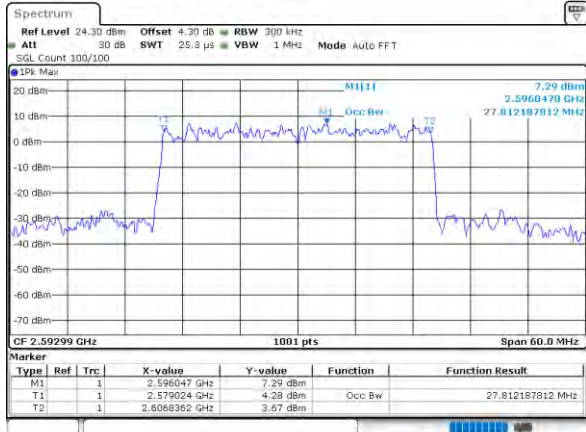
Date: 15_JAN_2021 02:46:03

64QAM

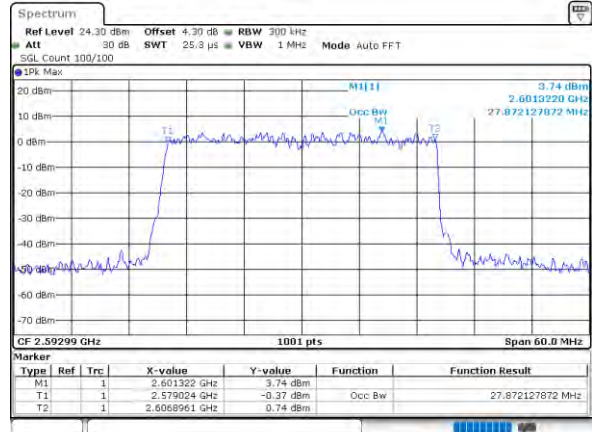
256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 02:42:50



Date: 15_JAN_2021 02:43:18



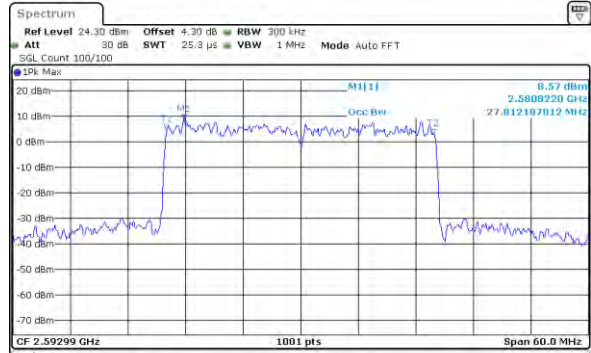
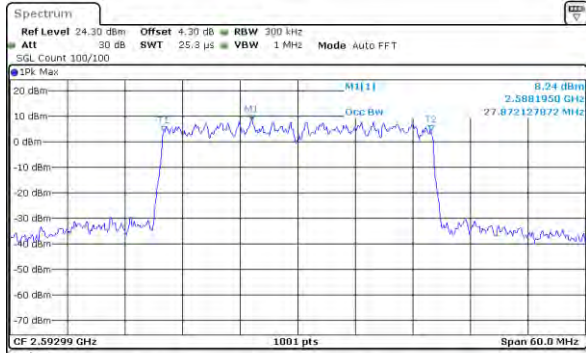
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 20:06:09

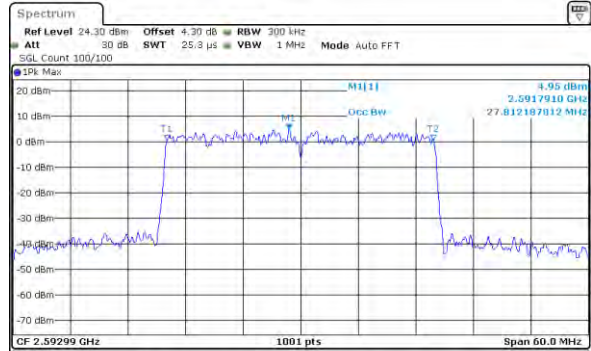
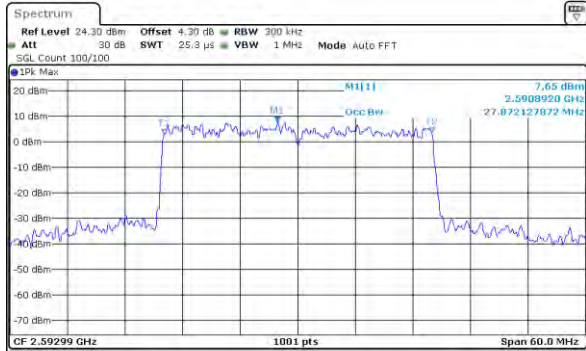
Date: 15.JAN.2021 20:06:49

64QAM

256QAM

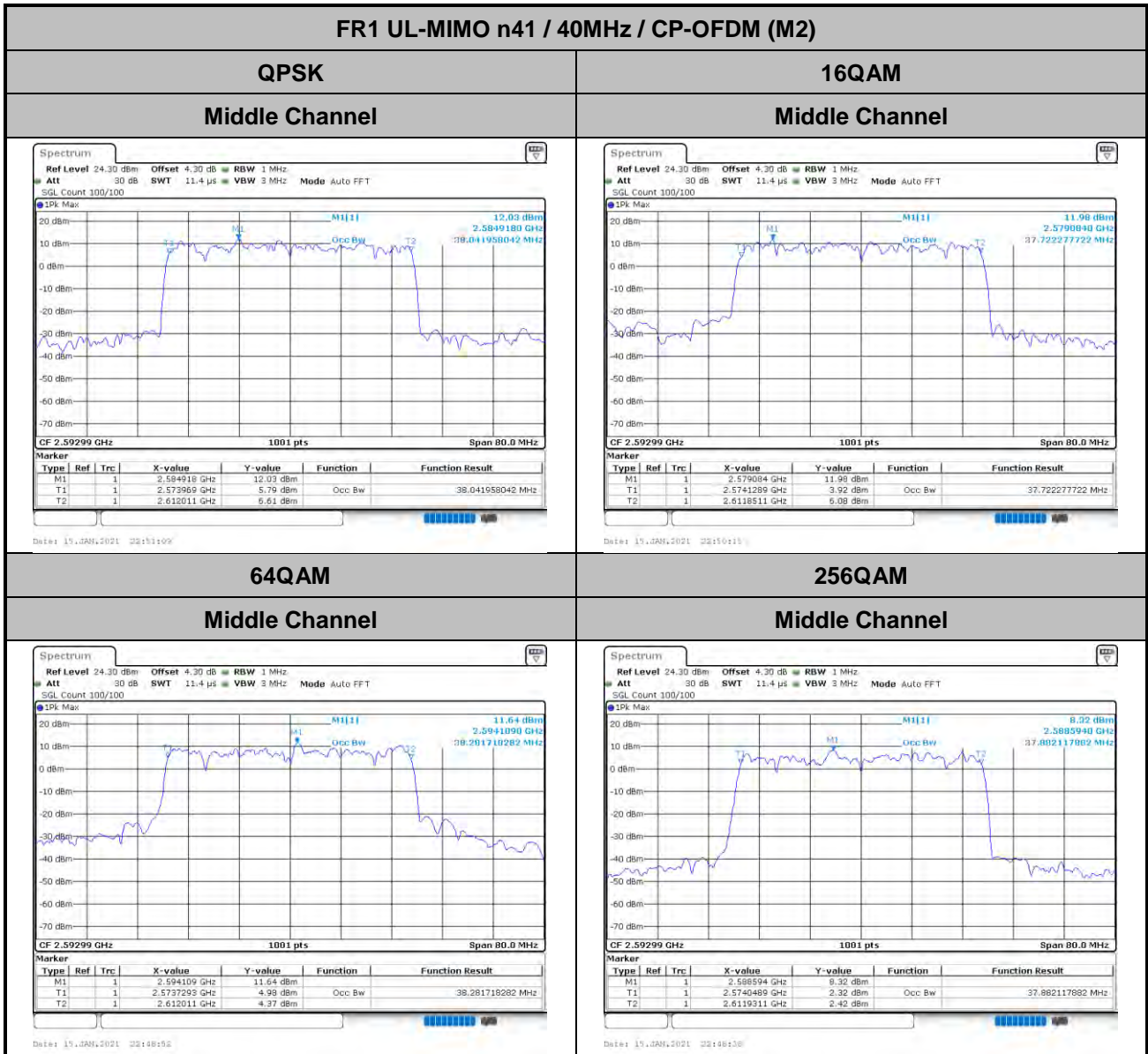
Middle Channel

Middle Channel



Date: 15.JAN.2021 20:07:56

Date: 15.JAN.2021 20:08:18





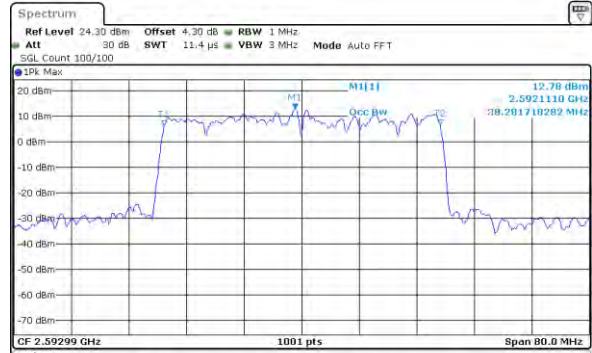
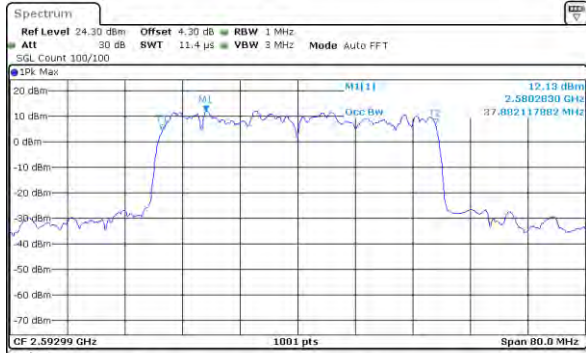
FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 09:27:00

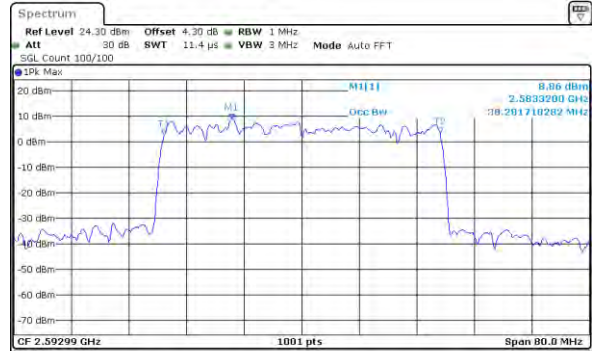
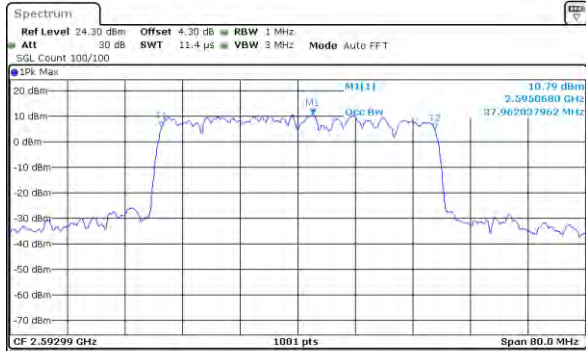
Date: 15.JAN.2021 09:28:28

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 09:25:03

Date: 15.JAN.2021 09:25:07



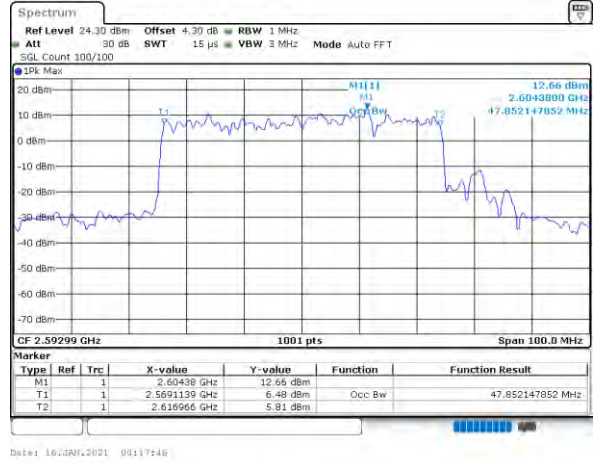
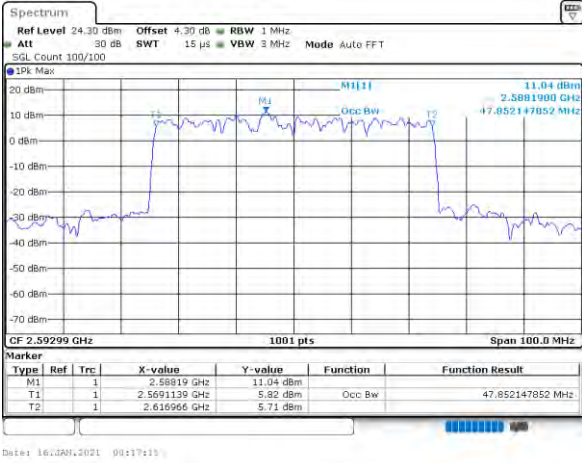
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel

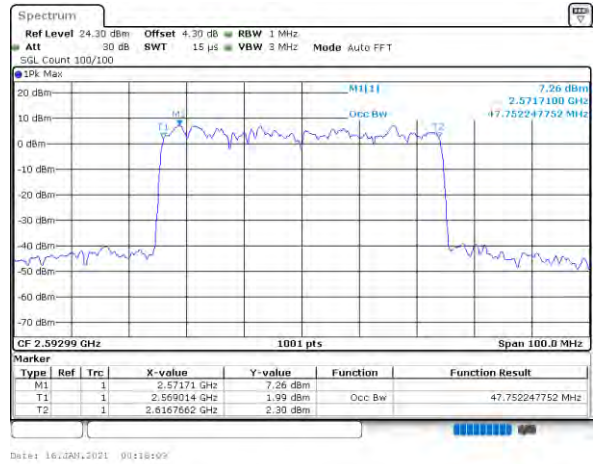
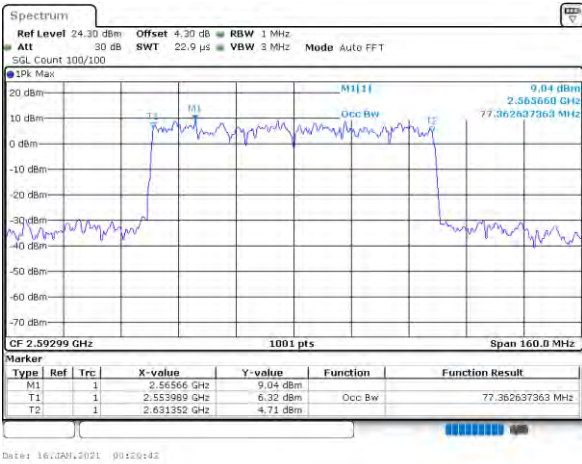


64QAM

256QAM

Middle Channel

Middle Channel





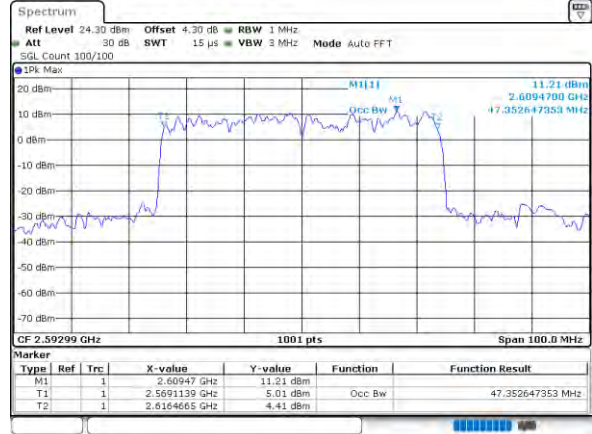
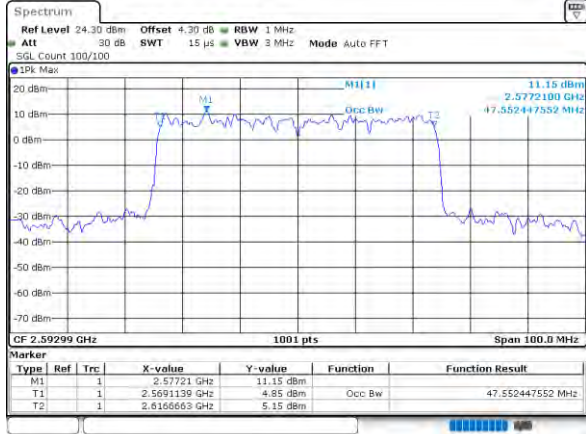
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 09:23:07

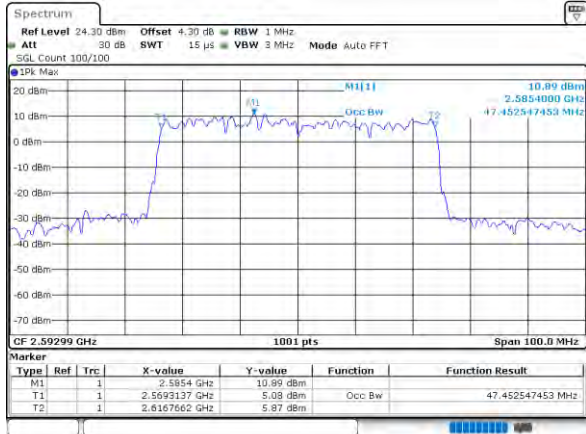
Date: 15.JAN.2021 09:23:28

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 09:23:53

Date: 15.JAN.2021 09:24:14



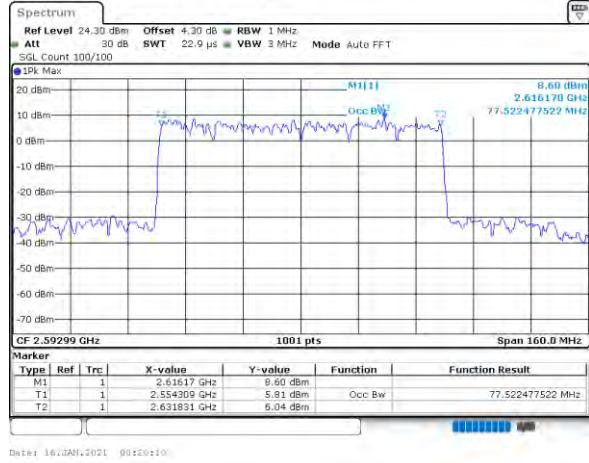
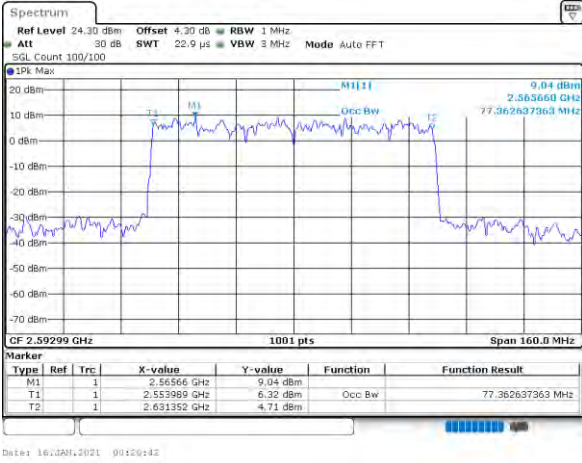
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel

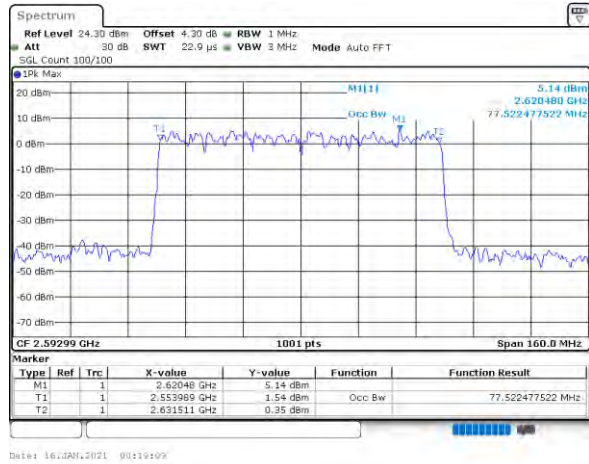
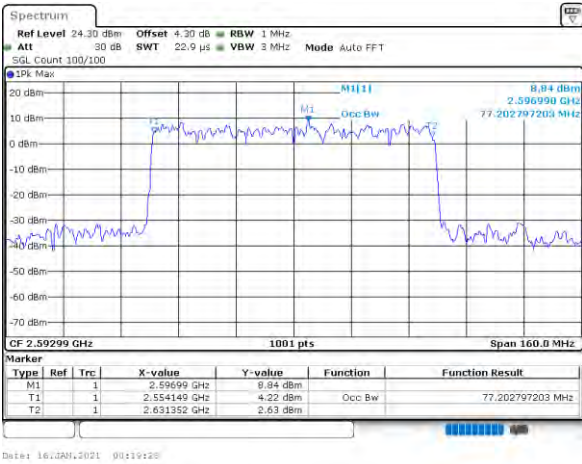


64QAM

256QAM

Middle Channel

Middle Channel





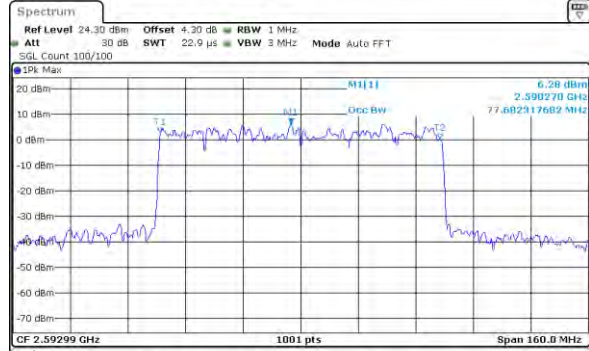
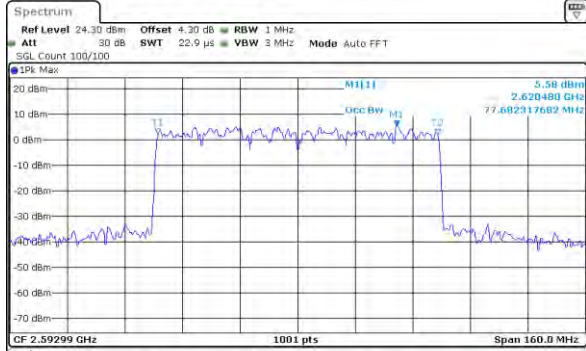
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 07:10:10

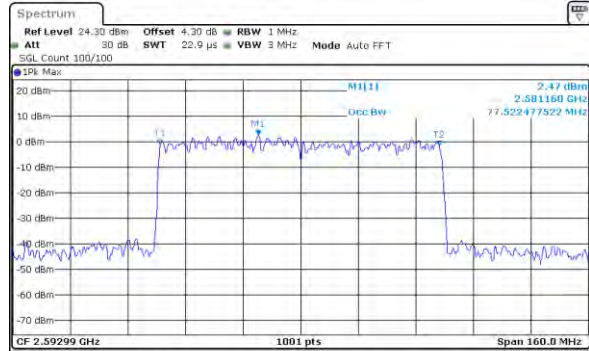
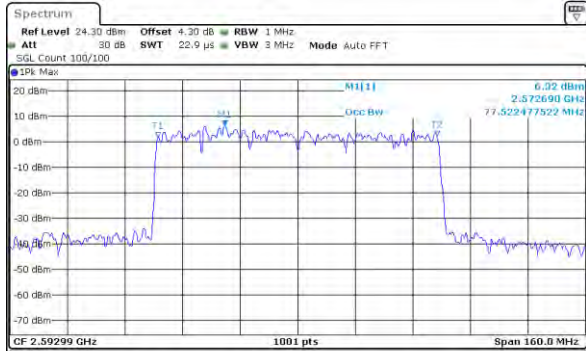
Date: 15.JAN.2021 07:10:19

64QAM

256QAM

Middle Channel

Middle Channel

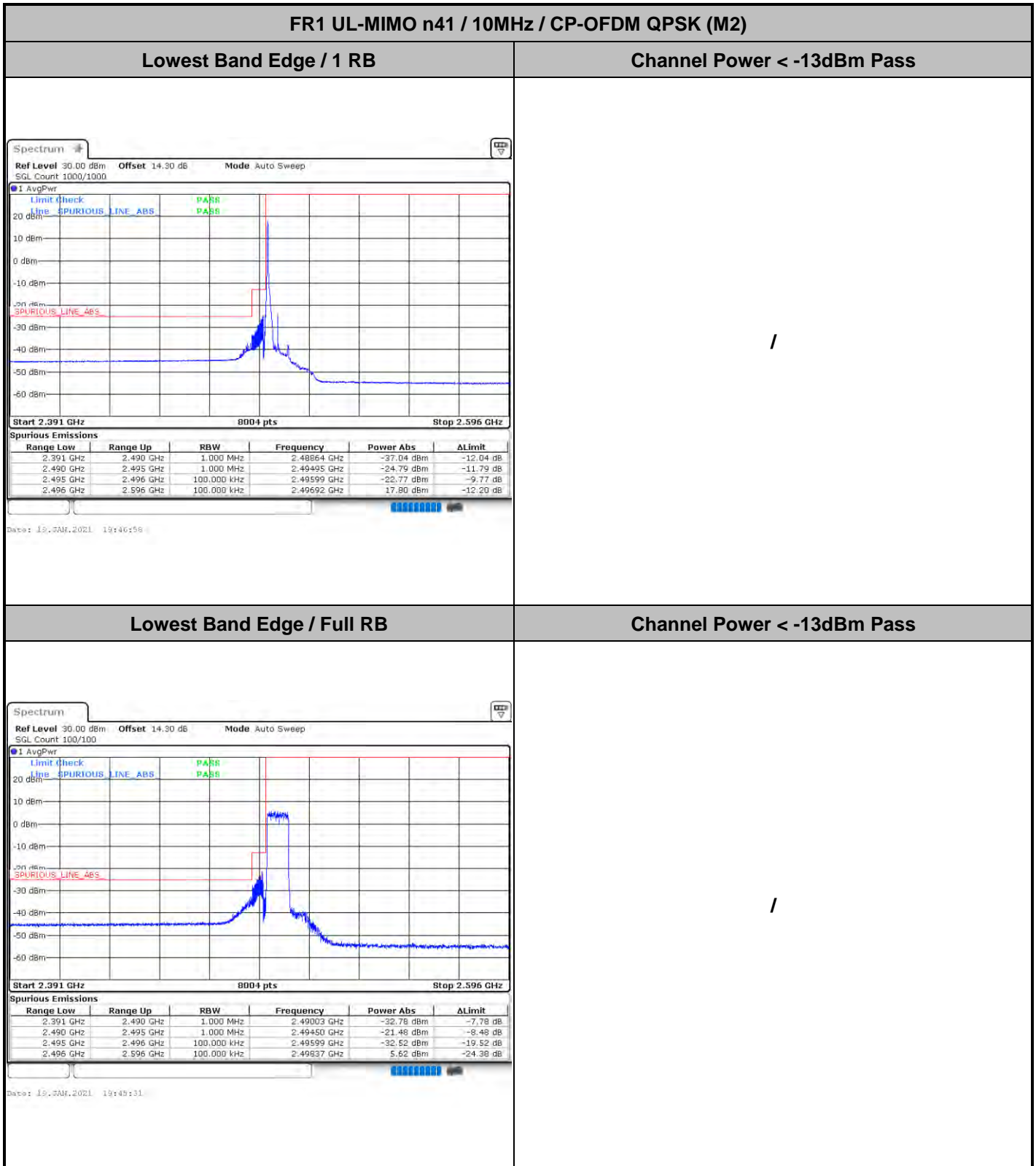


Date: 15.JAN.2021 07:03:09

Date: 15.JAN.2021 07:03:27



Conducted Band Edge

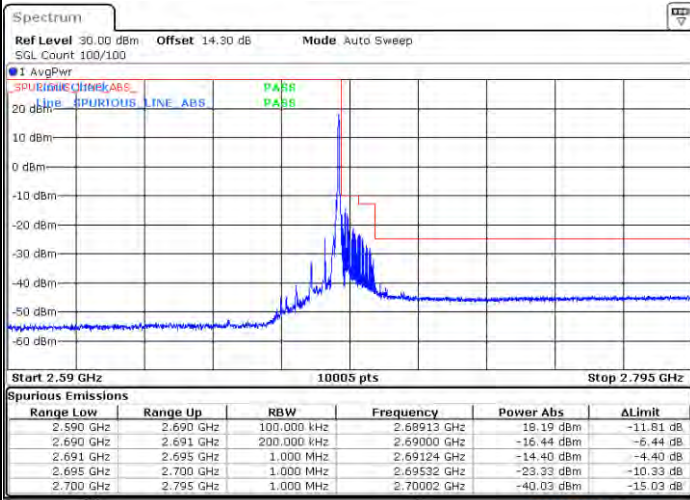




FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

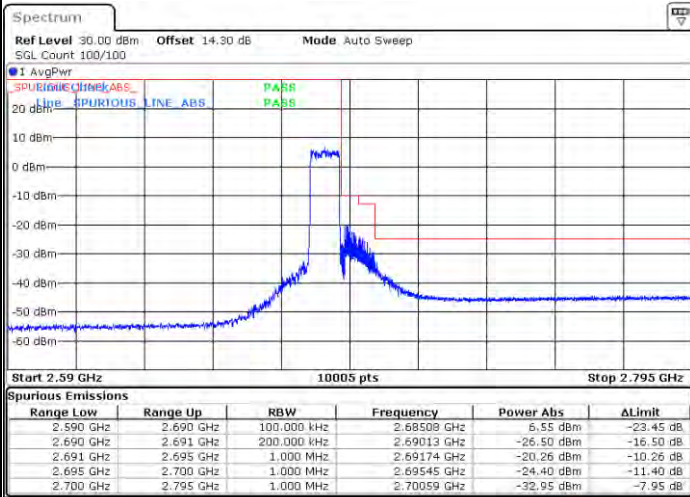
Channel Power < -10dBm Pass



Date: 18. JAN. 2021 19:26:57

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



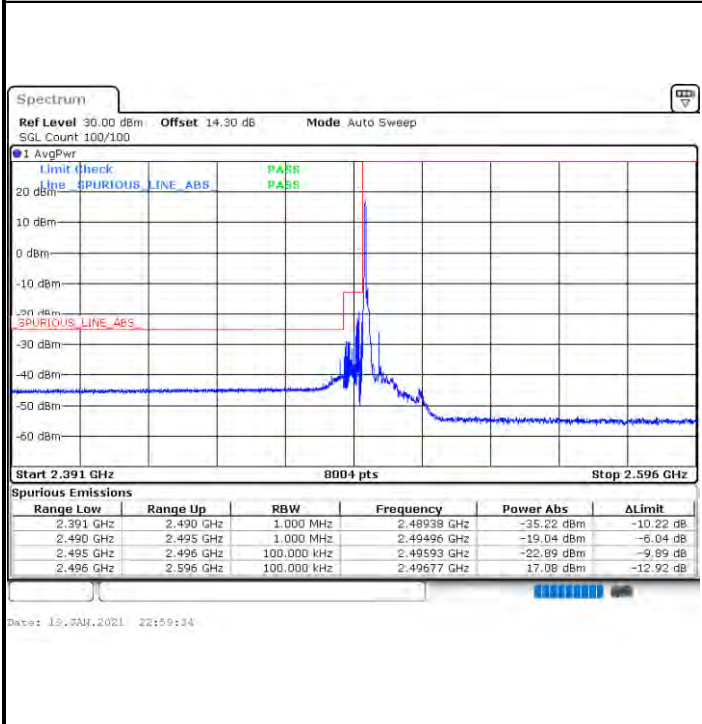
Date: 18. JAN. 2021 19:37:24



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

Lowest Band Edge / 1 RB

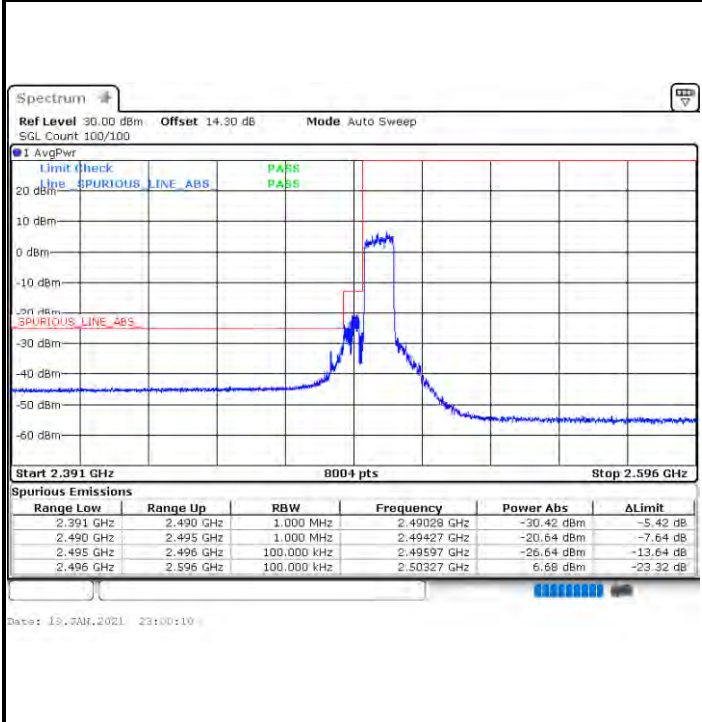
Channel Power < -13dBm Pass



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Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



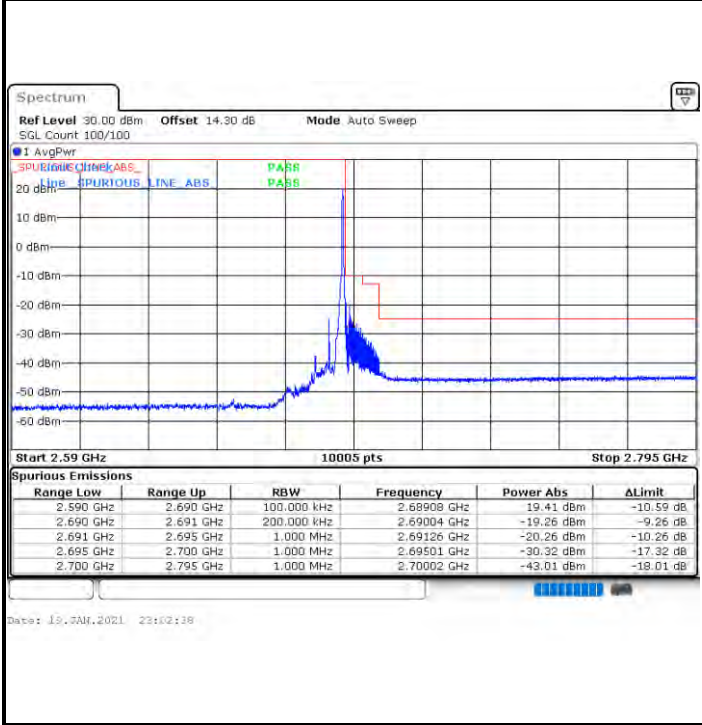
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FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

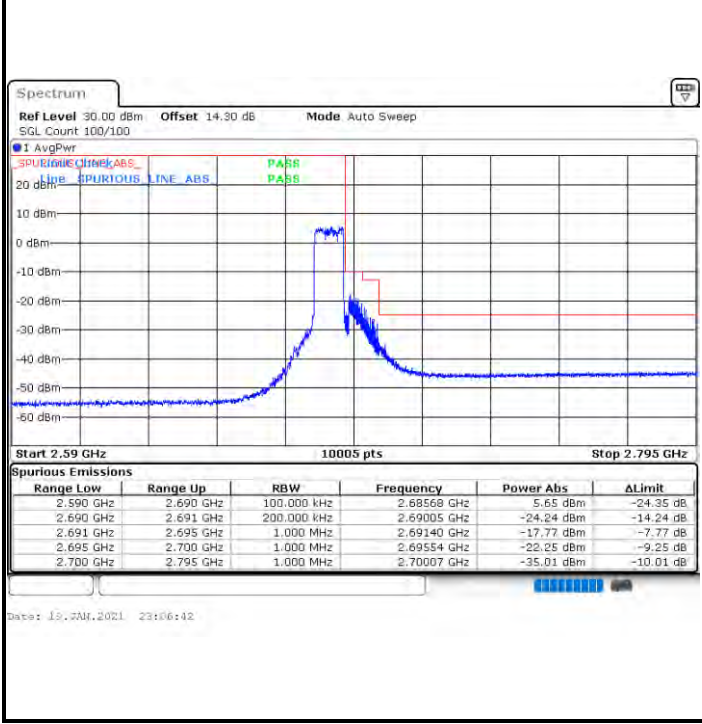
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



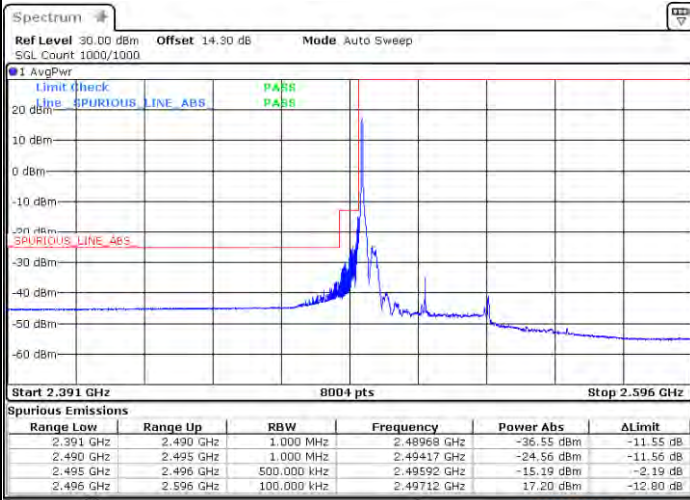
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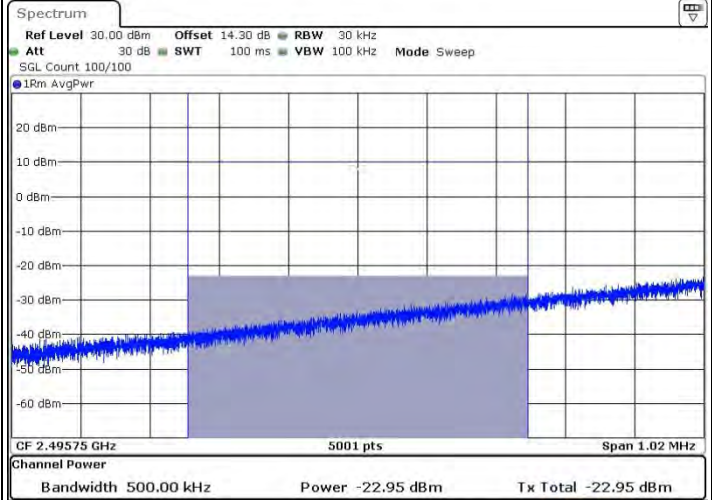
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



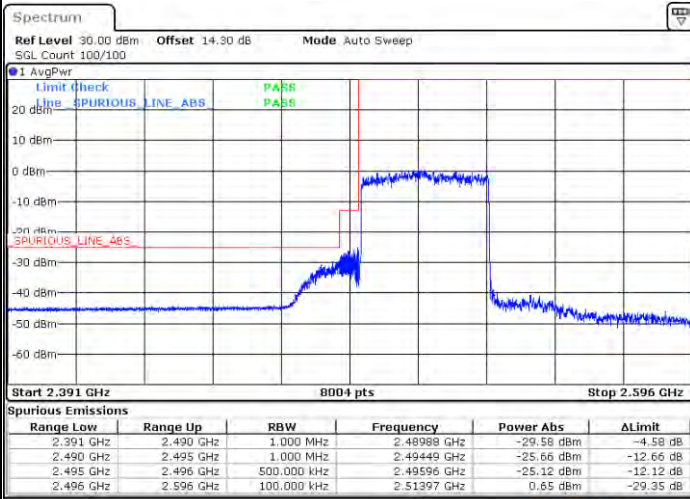
Date: 19. JAN. 2021 19:28:28



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

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 19. JAN. 2021 19:28:51

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