

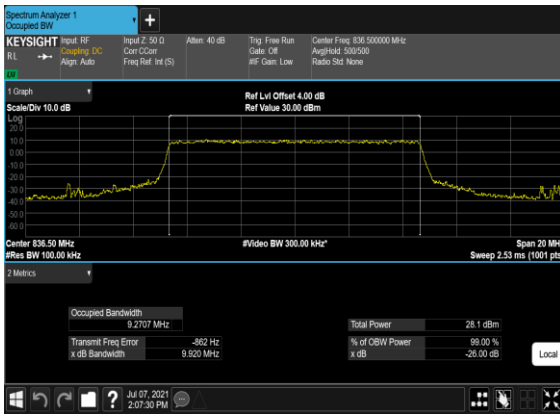
B2_N5(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



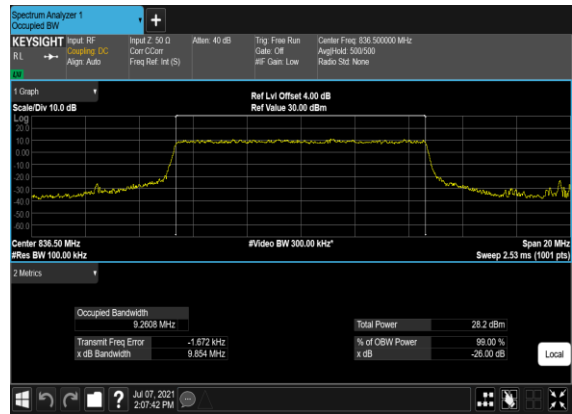
B2_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



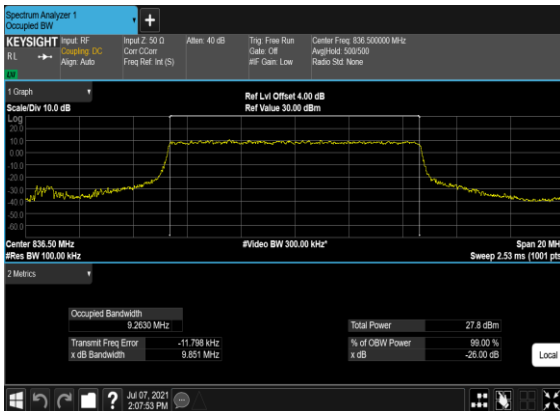
B2_N5(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



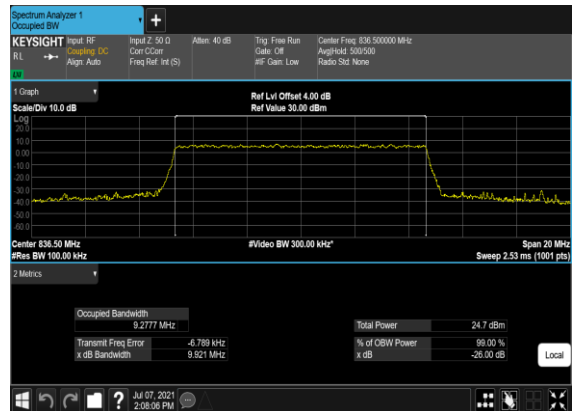
B2_N5(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N5(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N5(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



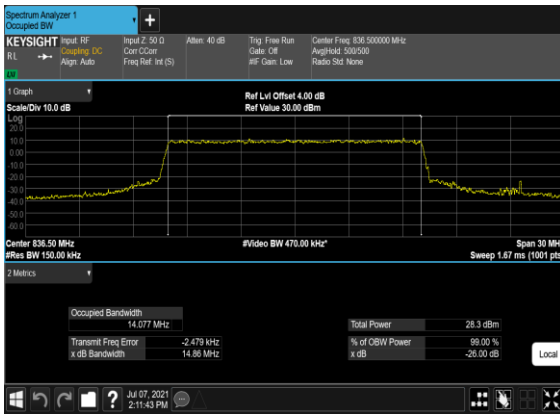
B2_N5(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



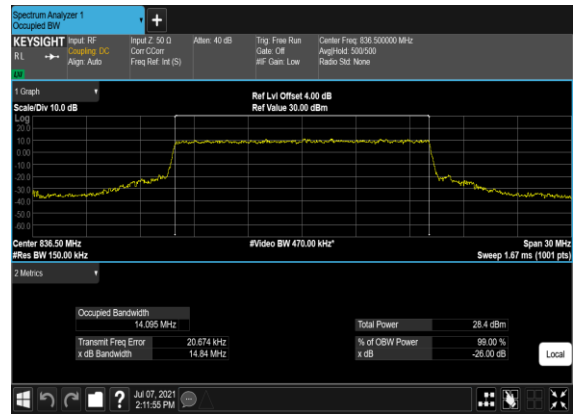
B2_N5(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



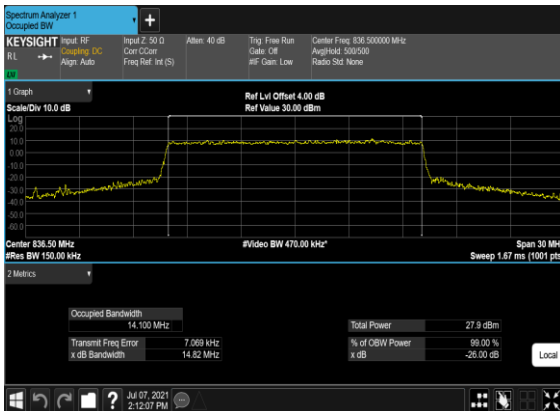
B2_N5(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



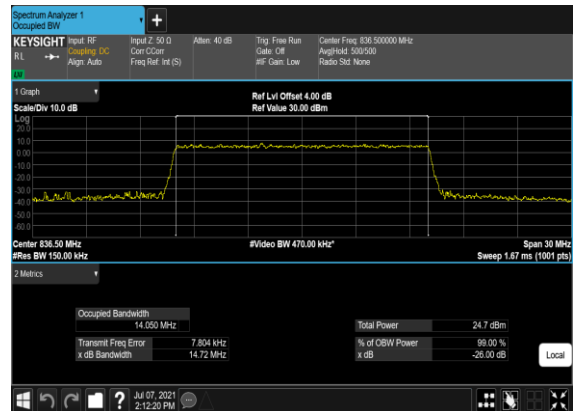
B2_N5(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



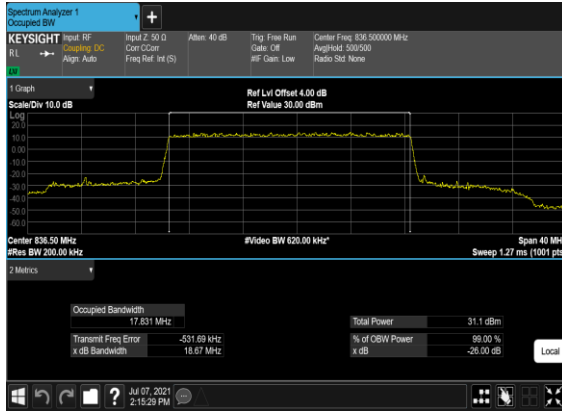
B2_N5(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



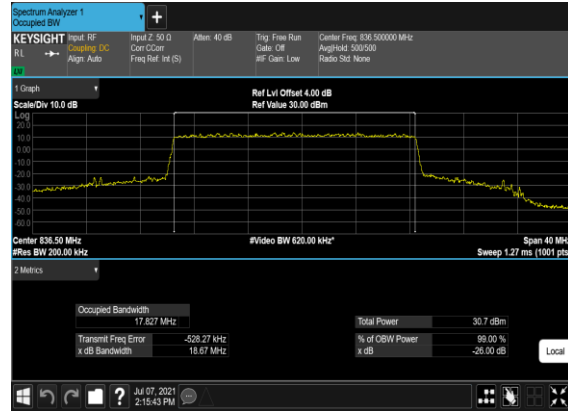
B2_N5(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



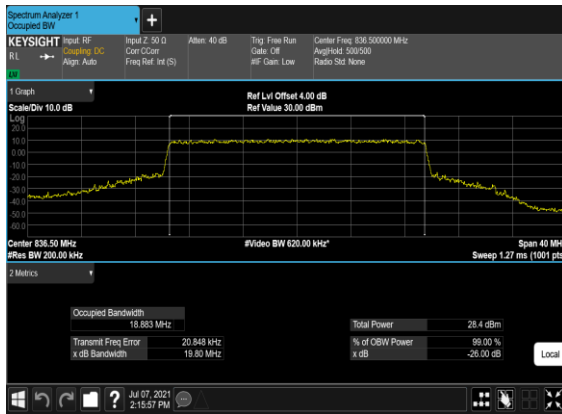
B2_N5(20M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



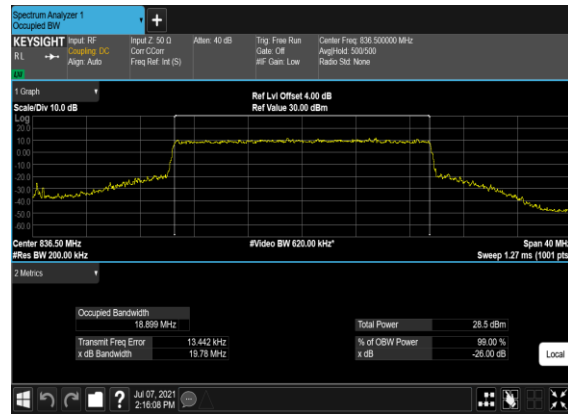
B2_N5(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



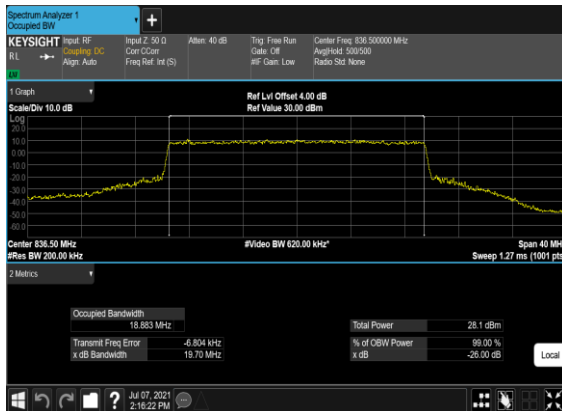
B2_N5(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



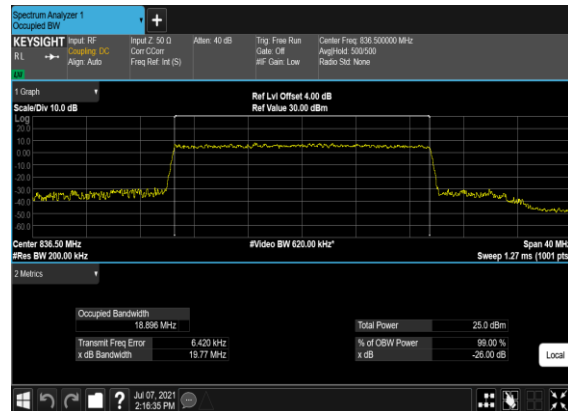
B2_N5(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N5(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N5(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

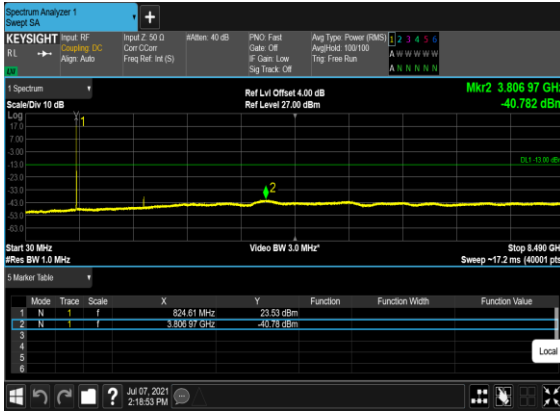


Conducted Spurious Emissions

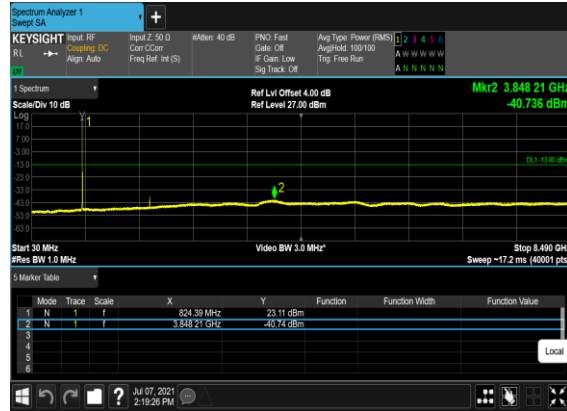
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

B2_N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



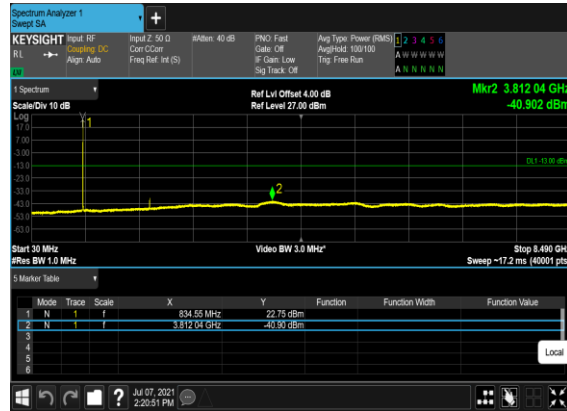
B2_N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



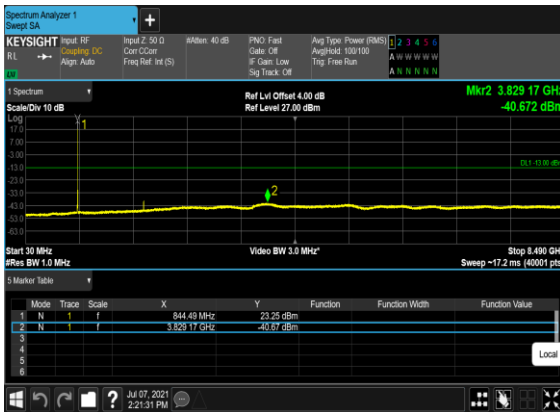
B2_N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



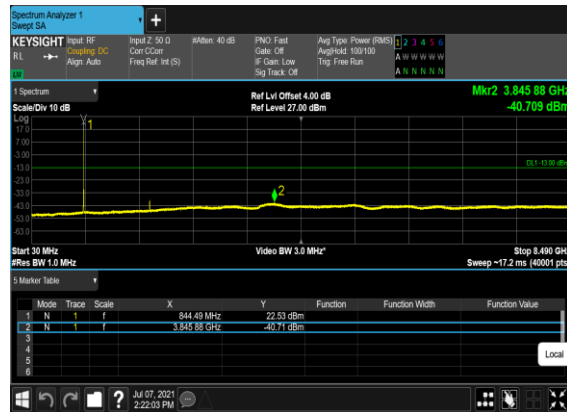
B2_N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



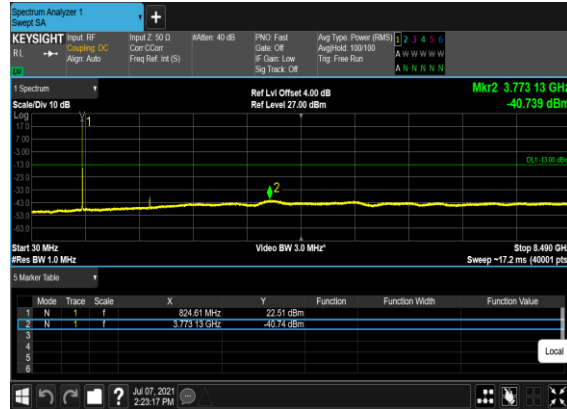
B2_N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



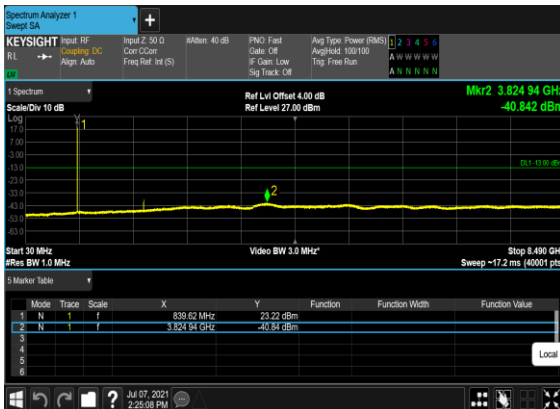
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



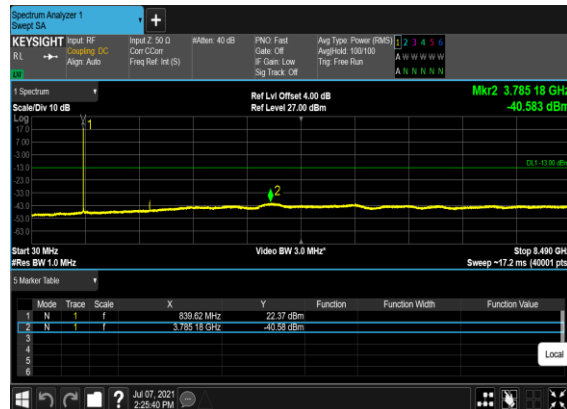
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



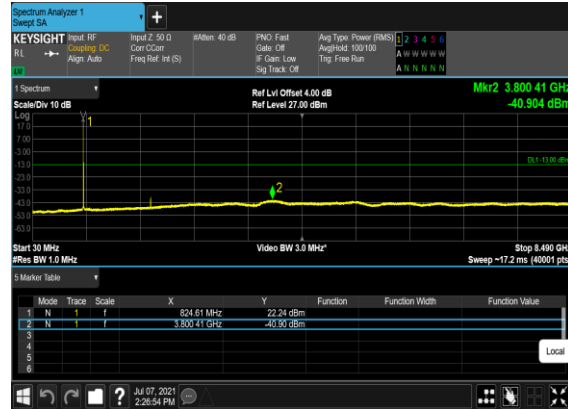
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



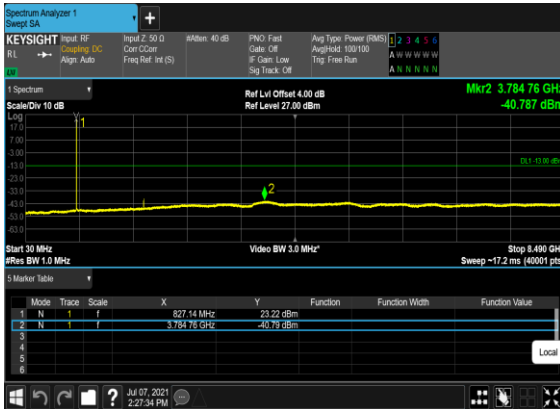
B2_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



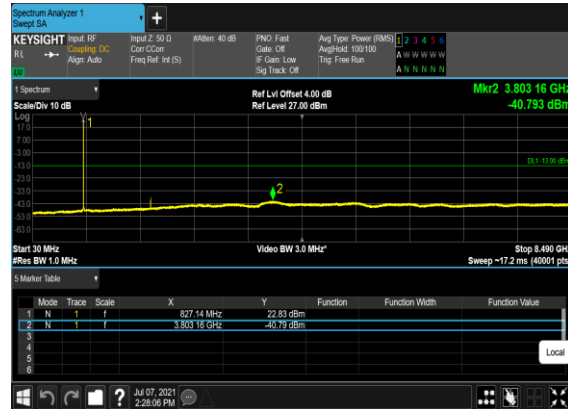
B2_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



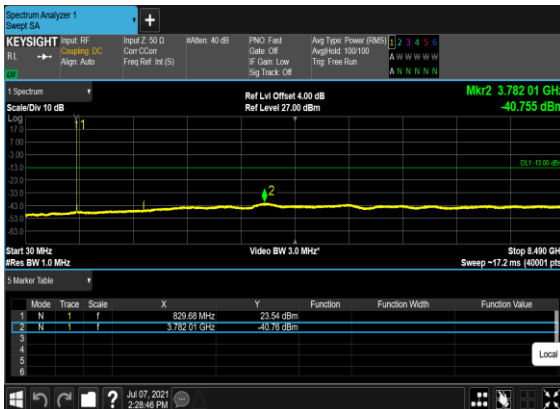
B2_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



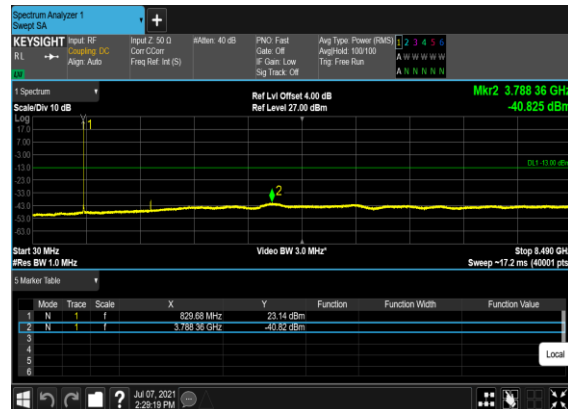
B2_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

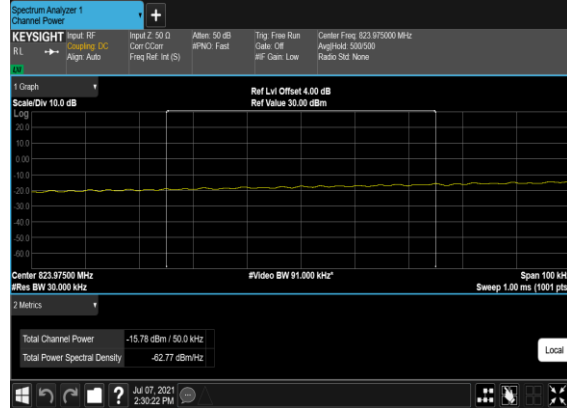
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS

5	15	20	176800	839.0	DFT-s- OFDM BPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s- OFDM QPSK	100@0	see graph	PASS

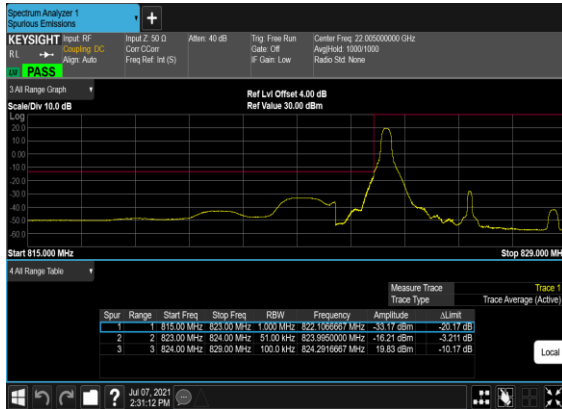
B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



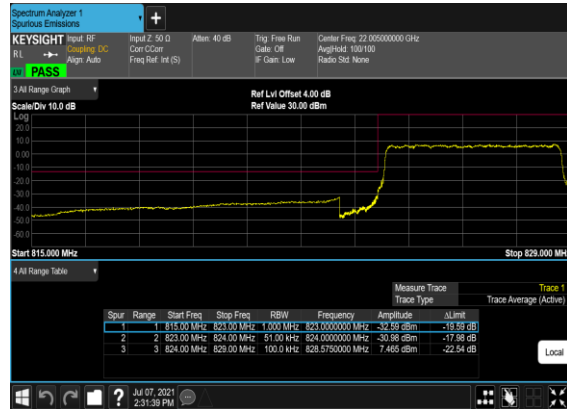
B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



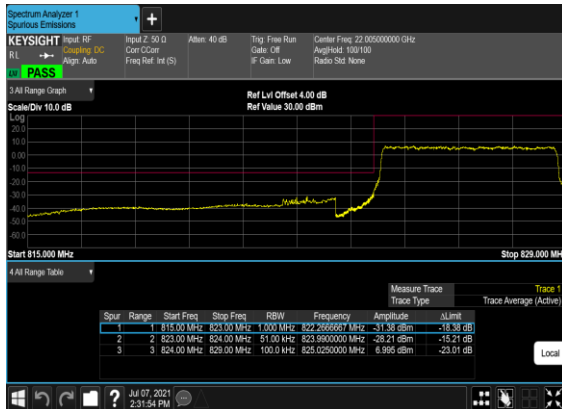
B2_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



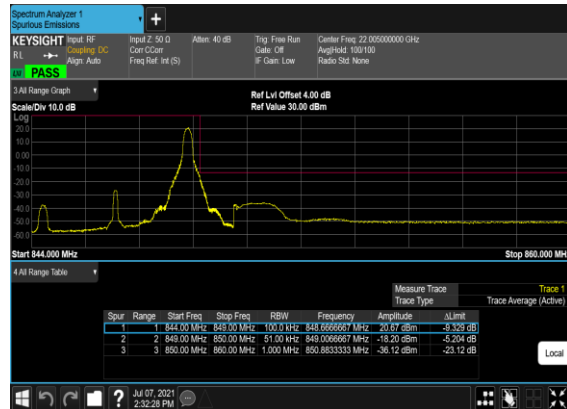
B2_N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



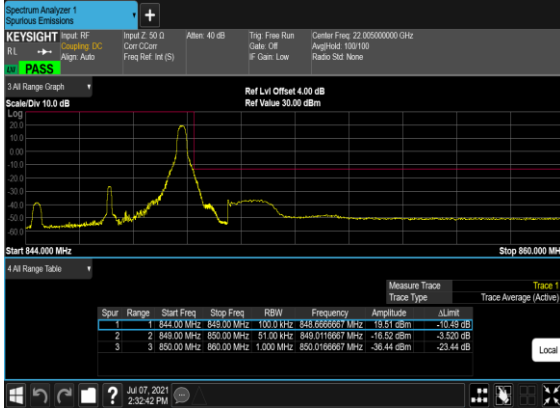
B2_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



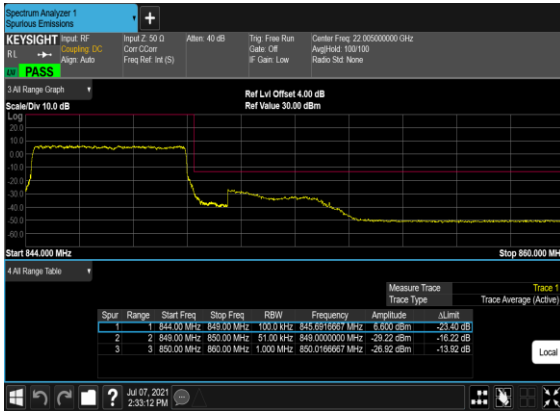
B2_N5(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



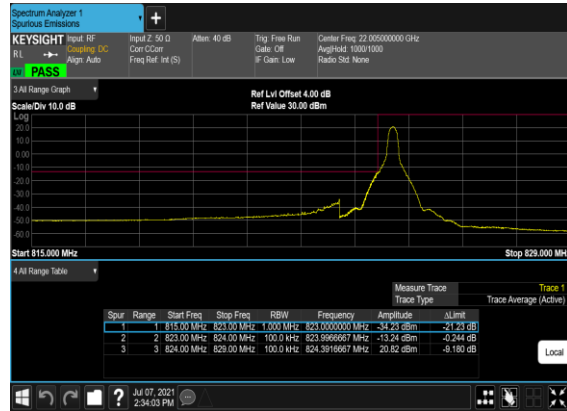
B2_N5(5M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



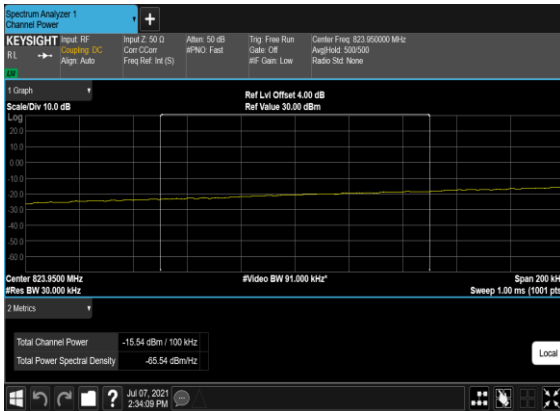
B2_N5(5M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



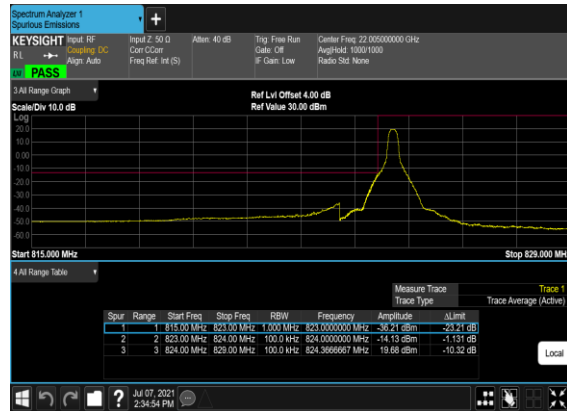
B2_N5(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



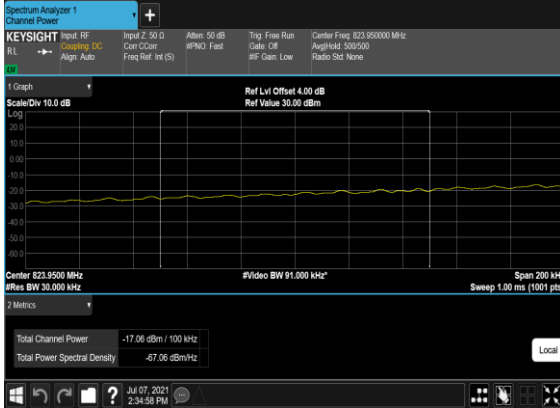
B2_N5(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



B2_N5(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



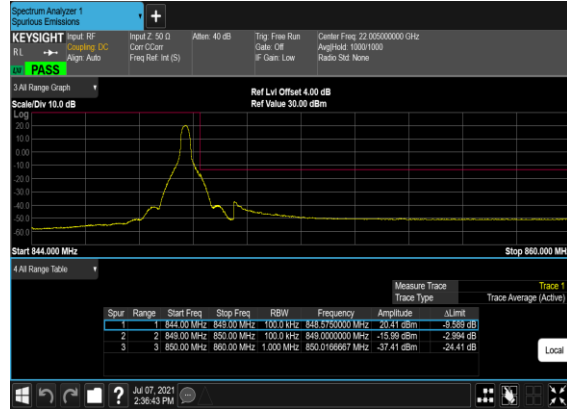
B2_N5(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



B2_N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



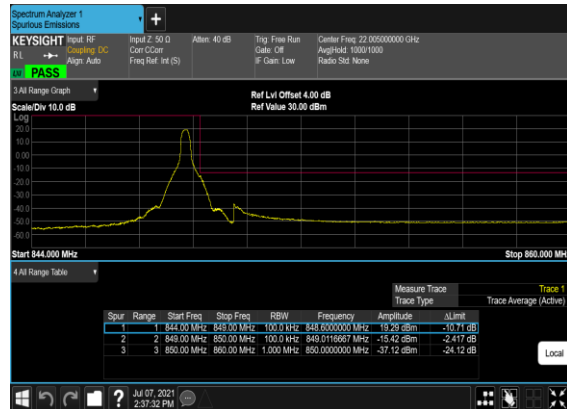
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



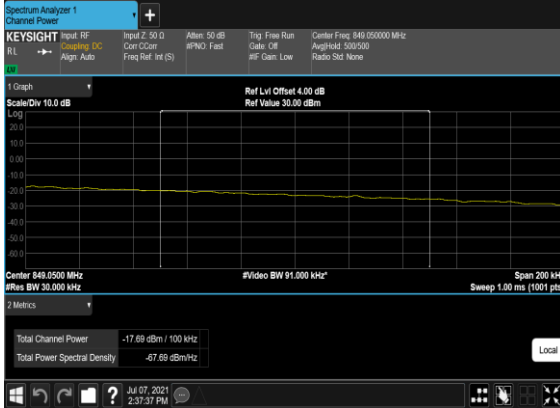
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



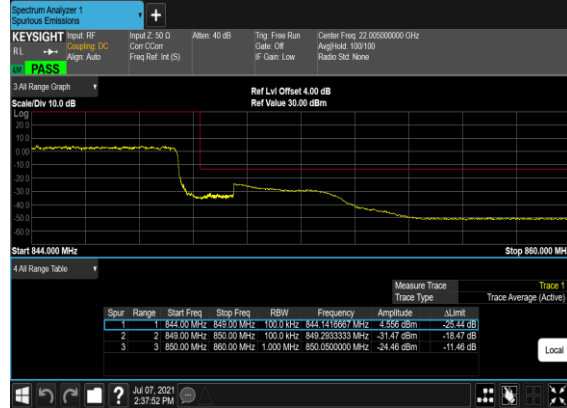
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



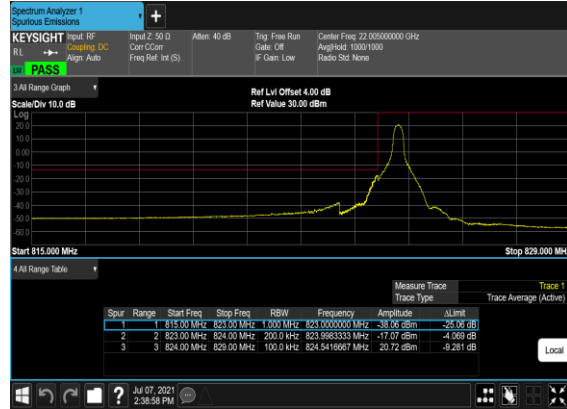
B2_N5(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



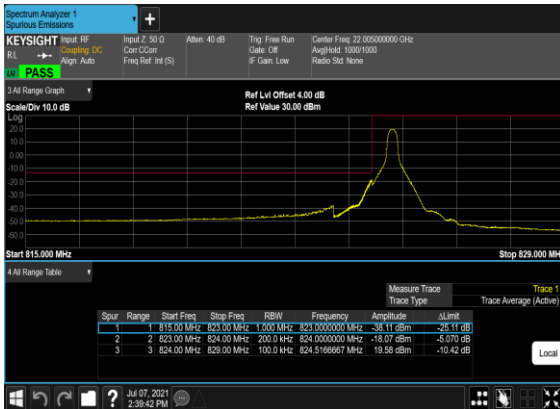
B2_N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



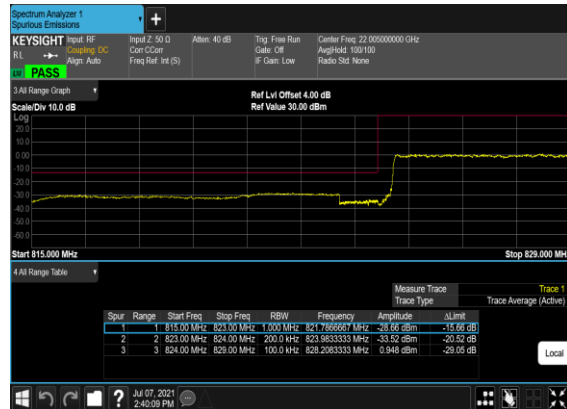
B2_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



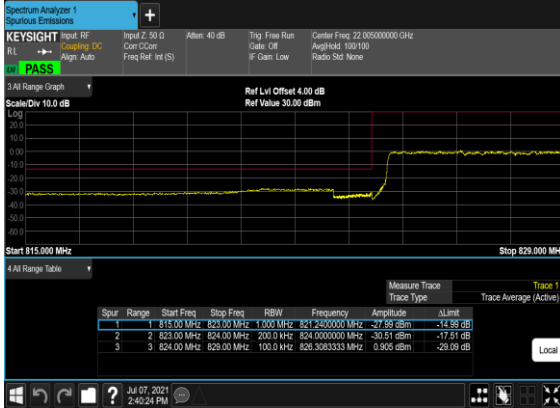
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



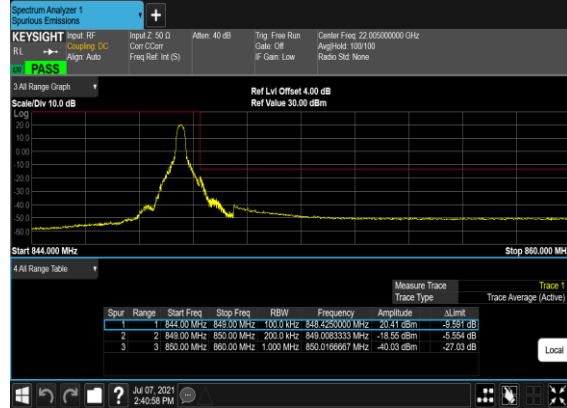
B2_N5(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



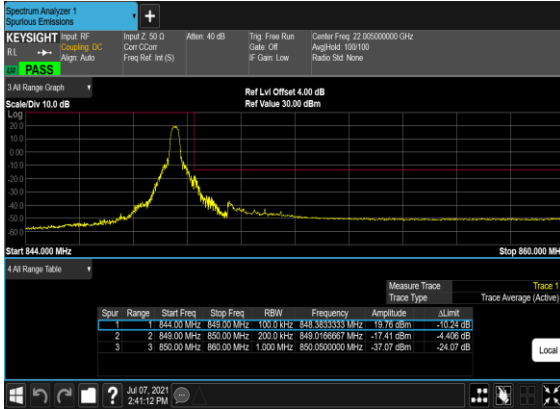
B2_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



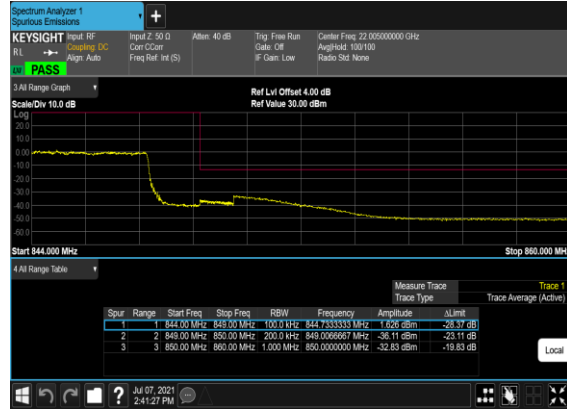
B2_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N5(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





FR1 n77-Part270 UL-MIMO

Peak-to-Average Ratio

Mode	FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant3)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.33	7.65			PASS
Middle CH	7.51	7.13			
Highest CH	7.71	7.13			

Mode	FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant5)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.30	7.42			PASS
Middle CH	7.42	8.03			
Highest CH	7.19	7.48			



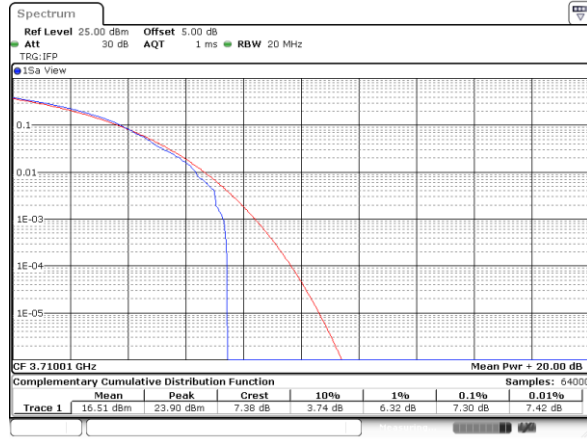
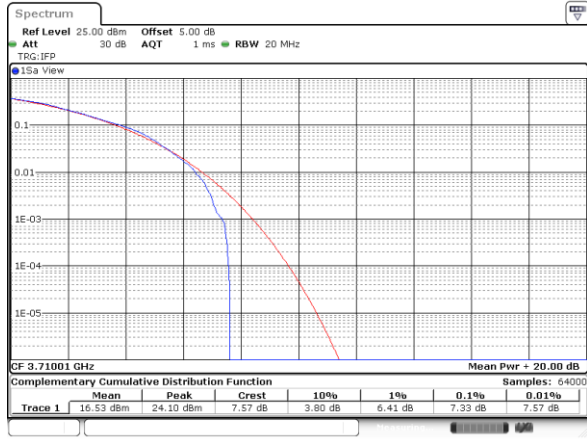
FR1 UL-MIMO n77 / 20MHz / CP-OFDM

QPSK(Ant3)

QPSK(Ant5)

Lowest Channel / 1RB

Lowest Channel / 1RB

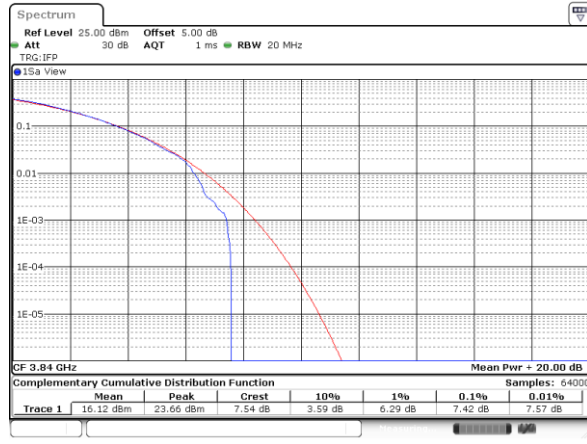
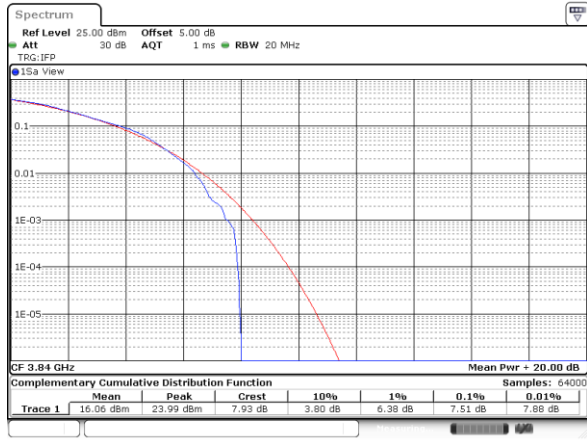


Date: 22 JUN 2021 20:41:51

Date: 23 JUN 2021 00:10:25

Middle Channel / 1 RB

Middle Channel / 1 RB

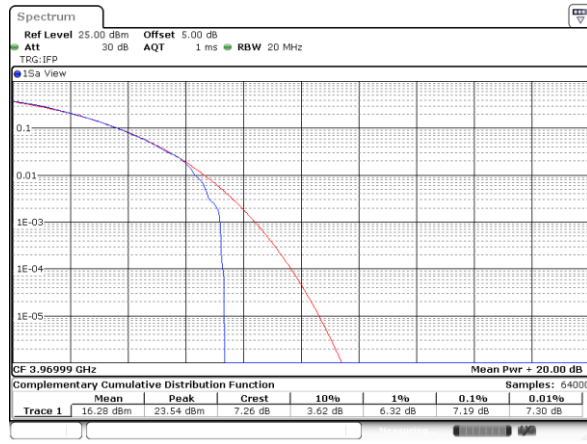
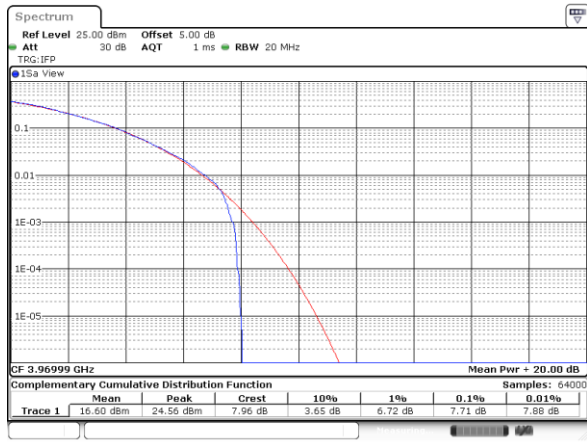


Date: 22 JUN 2021 20:48:45

Date: 23 JUN 2021 00:17:20

Highest Channel / 1 RB

Highest Channel / 1 RB



Date: 22 JUN 2021 20:51:47

Date: 23 JUN 2021 00:29:14



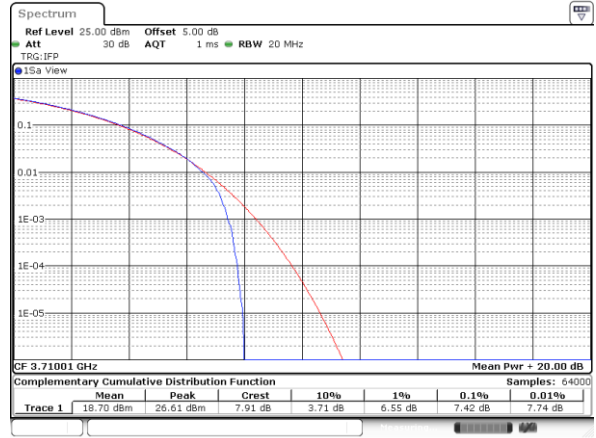
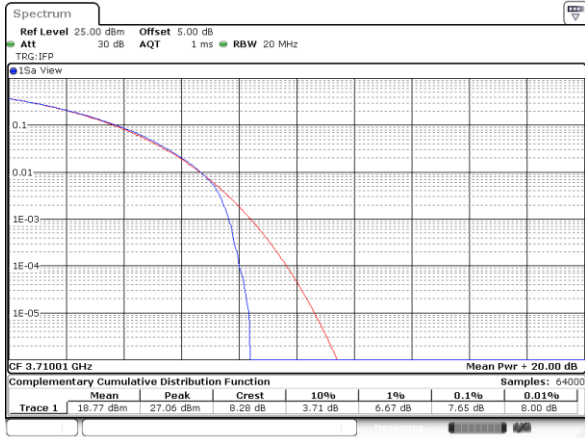
FR1 UL-MIMO n77 / 20MHz / CP-OFDM

QPSK(Ant3)

QPSK(Ant5)

Lowest Channel / Full RB

Lowest Channel / Full RB

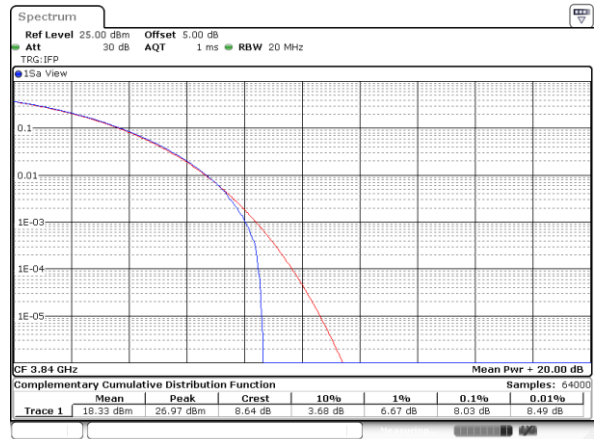
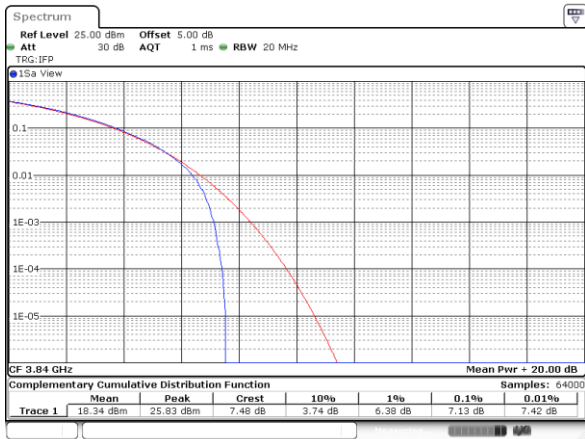


Date: 22 JUN 2021 20:47:48

Date: 23 JUN 2021 00:33:01

Middle Channel / Full RB

Middle Channel / Full RB

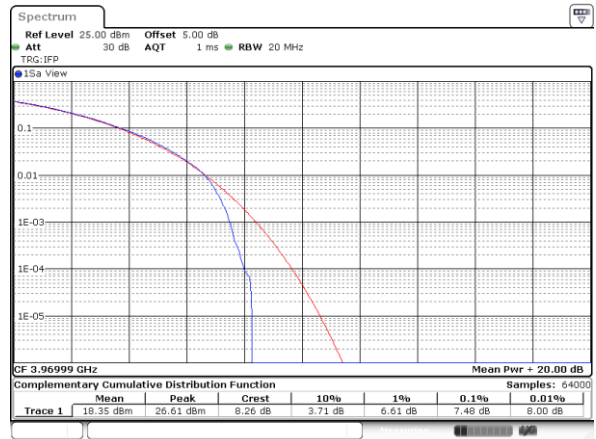
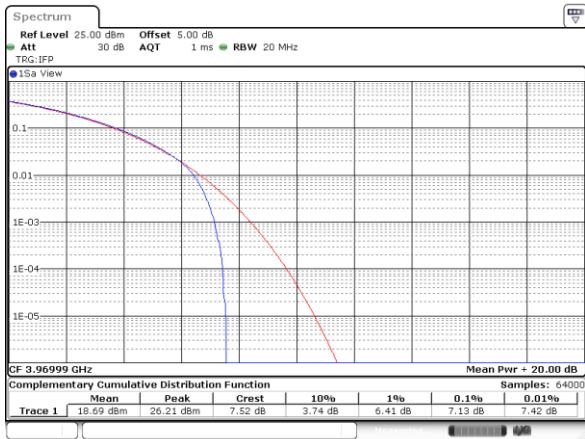


Date: 22 JUN 2021 20:32:59

Date: 23 JUN 2021 00:36:33

Highest Channel / Full RB

Highest Channel / Full RB



Date: 22 JUN 2021 20:52:24

Date: 23 JUN 2021 00:26:57



26dB Bandwidth

Mode	FR1 UL-MIMO n77 : 26dB BW(20MHz) / CP-OFDM							
	Ant3				Ant5			
BW	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz	20MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	18.94	19.10	19.30	19.06	19.18	19.02	19.22	19.18

Mode	FR1 UL-MIMO n77 : 26dB BW(30MHz) / CP-OFDM							
	Ant3				Ant5			
BW	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz	30MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	28.77	28.71	28.89	28.93	28.95	28.95	28.71	28.71

Mode	FR1 UL-MIMO n77 : 26dB BW(40MHz) / CP-OFDM							
	Ant3				Ant5			
BW	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz	40MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	40.12	40.20	40.20	40.20	40.20	40.04	40.52	40.12

Mode	FR1 UL-MIMO n77 : 26dB BW(50MHz) / CP-OFDM							
	Ant3				Ant5			
BW	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz	50MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	49.65	49.75	49.65	49.75	49.75	49.85	49.75	49.65

Mode	FR1 UL-MIMO n77 : 26dB BW(60MHz) / CP-OFDM							
	Ant3				Ant5			
BW	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz	60MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	60.66	60.42	60.42	60.30	60.30	60.18	60.30	60.30

Mode	FR1 UL-MIMO n77 : 26dB BW(70MHz) / CP-OFDM							
	Ant3				Ant5			
BW	70MHz	70MHz	70MHz	70MHz	70MHz	70MHz	70MHz	70MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	70.07	69.93	70.21	70.07	70.21	70.07	70.07	70.07



Mode	FR1 UL-MIMO n77 : 26dB BW(80MHz) / CP-OFDM							
	Ant3				Ant5			
BW	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz	80MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	79.92	80.08	79.92	79.92	79.92	79.92	79.92	79.92

Mode	FR1 UL-MIMO n77 : 26dB BW(90MHz) / CP-OFDM							
	Ant3				Ant5			
BW	90MHz	90MHz	90MHz	90MHz	90MHz	90MHz	90MHz	90MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	90.09	90.45	90.27	90.45	90.45	90.45	90.27	90.09

Mode	FR1 UL-MIMO n77 : 26dB BW(100MHz) / CP-OFDM							
	Ant3				Ant5			
BW	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz	100MHz
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Middle CH	100.5	100.5	100.5	100.3	100.3	100.5	100.5	100.5



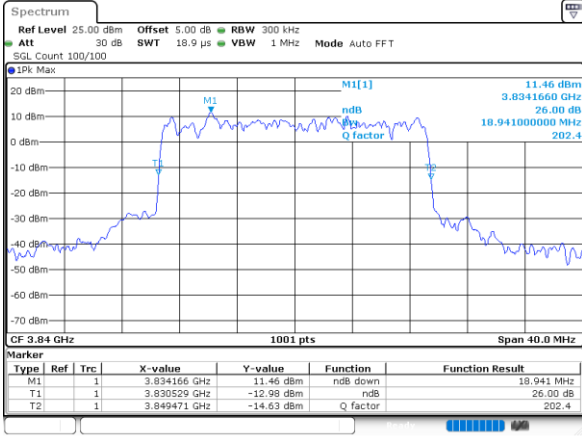
FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant3)

QPSK

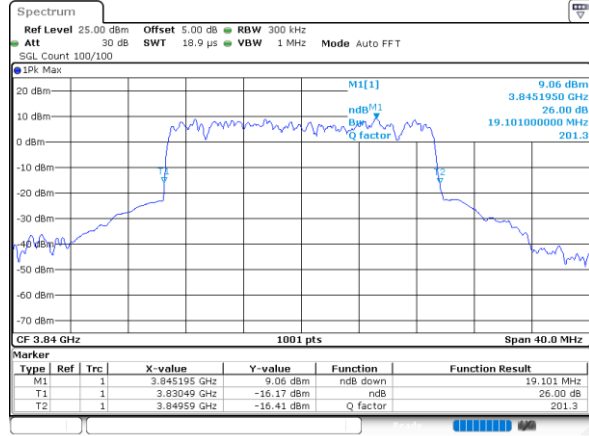
16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:32:22



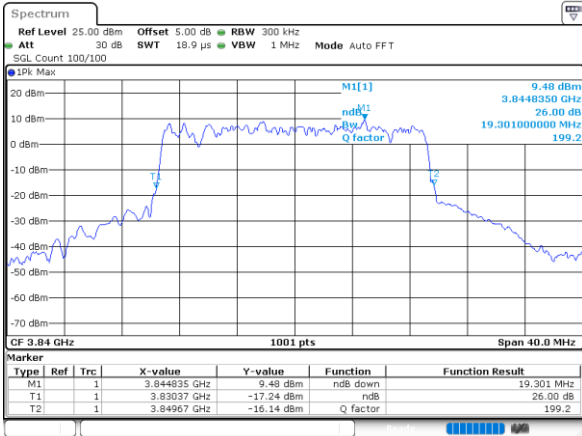
Date: 22 JUN 2021 20:33:22

64QAM

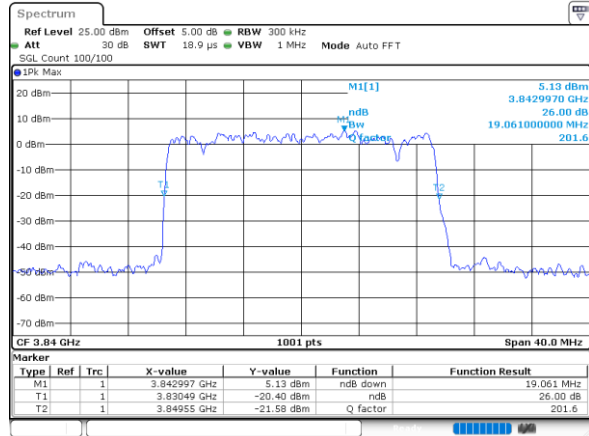
256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:37:28



Date: 22 JUN 2021 20:37:49



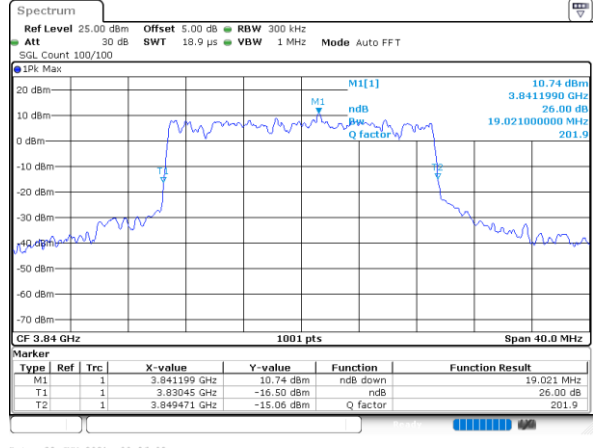
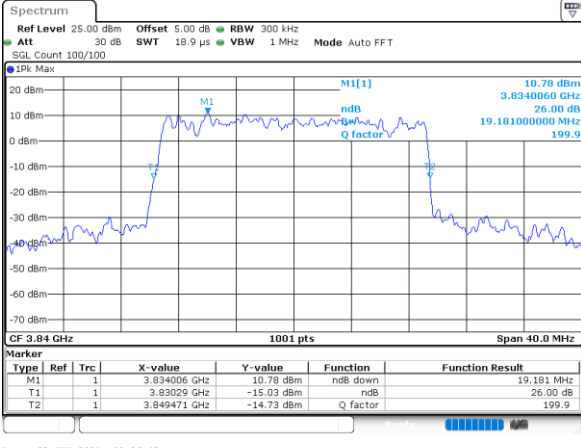
FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:13:43

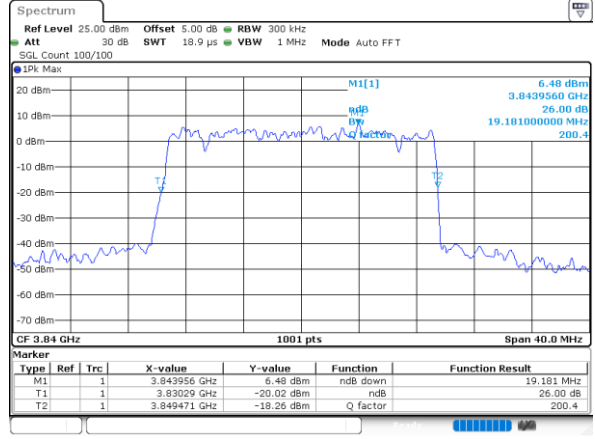
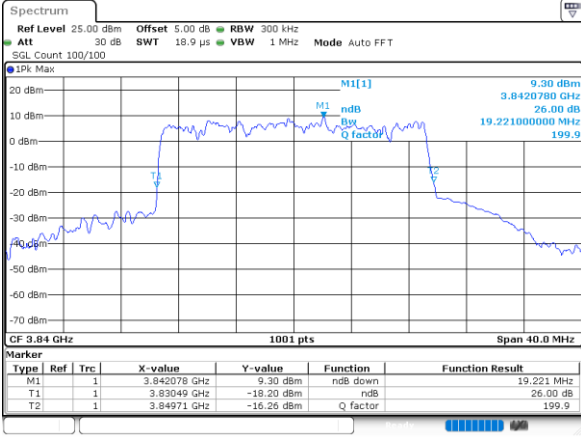
Date: 23 JUN 2021 00:13:03

64QAM

256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:13:08

Date: 23 JUN 2021 00:13:10



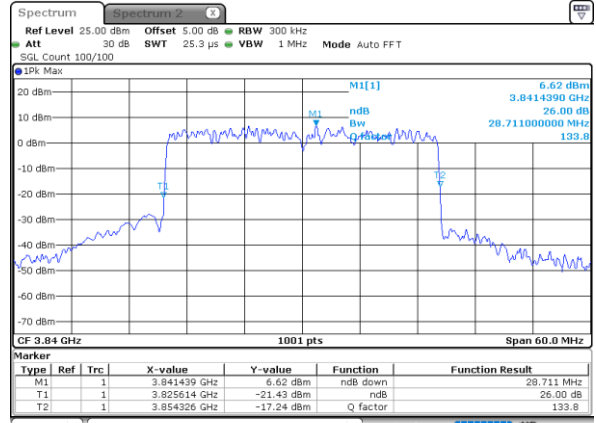
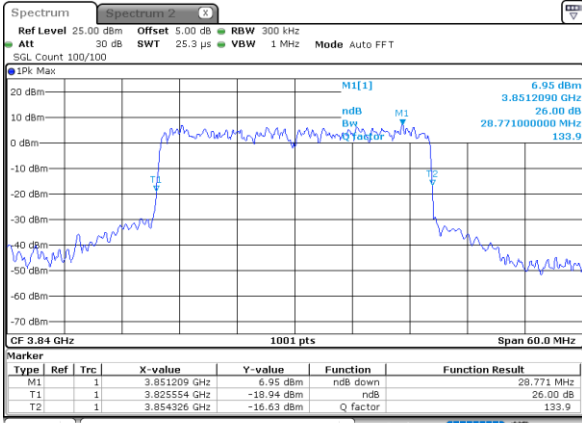
FR1 UL-MIMO n77 / 30MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:28:48

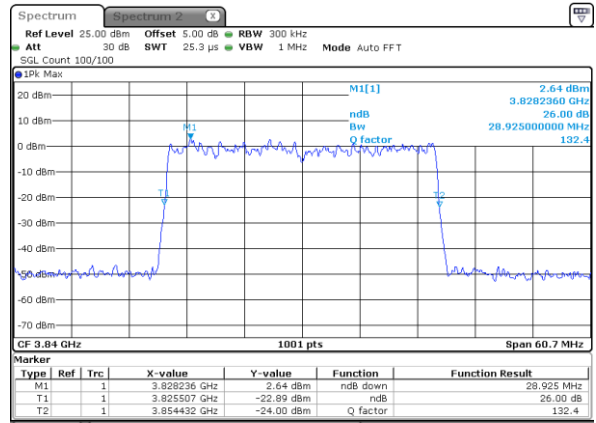
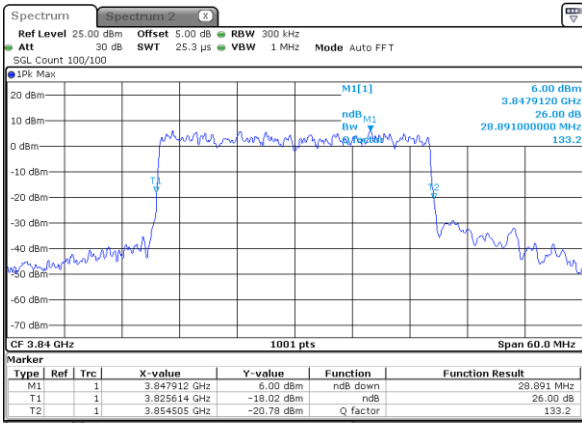
Date: 28 JUN 2021 23:28:22

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:27:55

Date: 28 JUN 2021 23:27:27



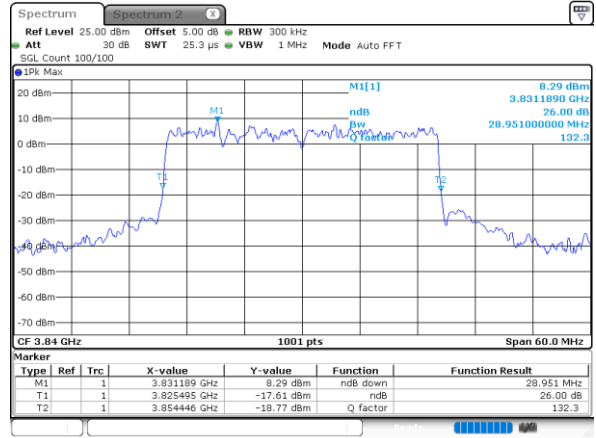
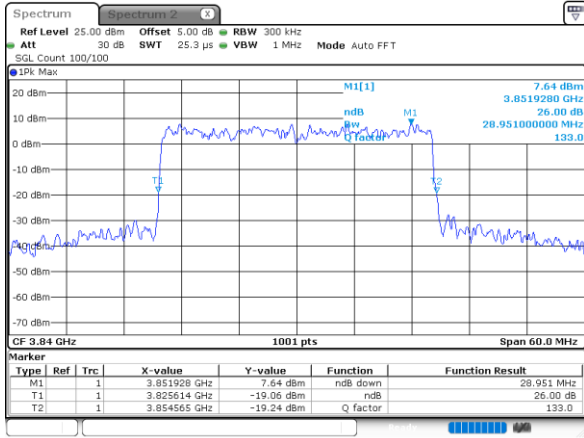
FR1 UL-MIMO n77 / 30MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29_JUN.2021 00:47:43

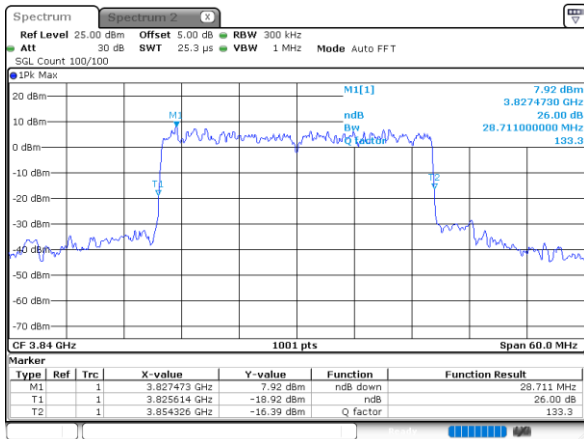
Date: 29_JUN.2021 00:47:19

64QAM

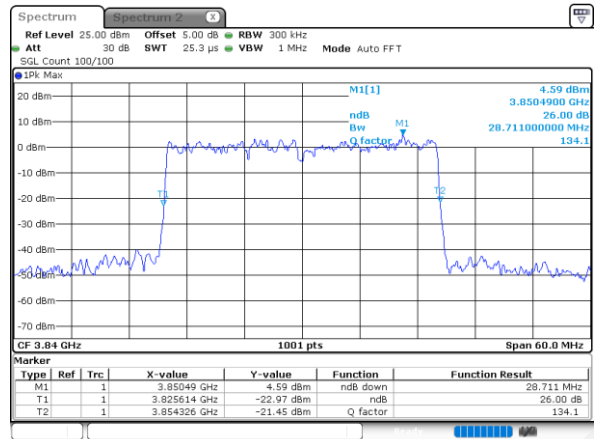
256QAM

Middle Channel

Middle Channel



Date: 29_JUN.2021 00:46:47



Date: 29_JUN.2021 00:46:17



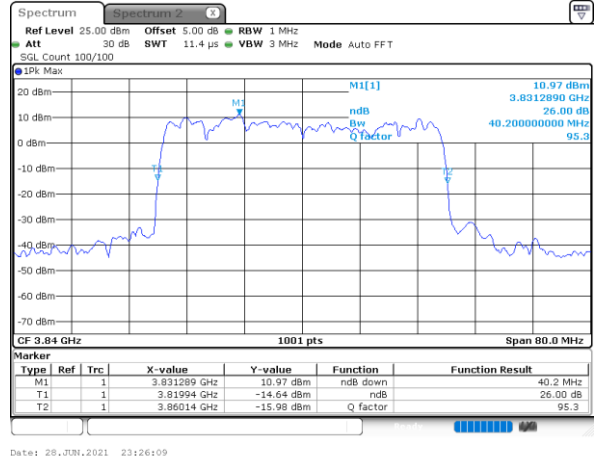
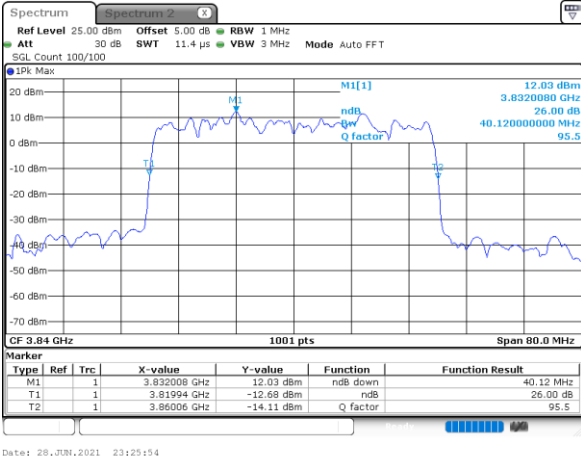
FR1 UL-MIMO n77 / 40MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel

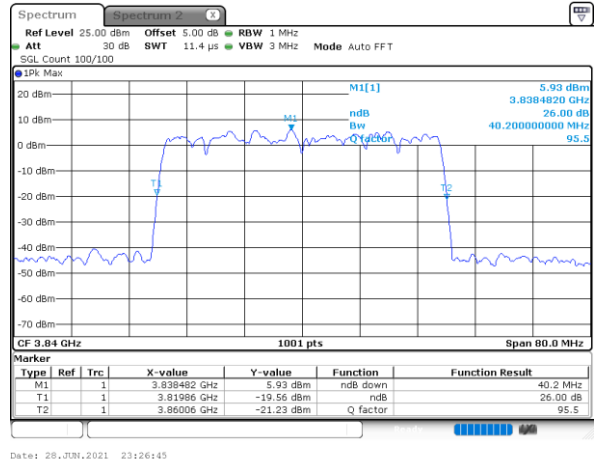
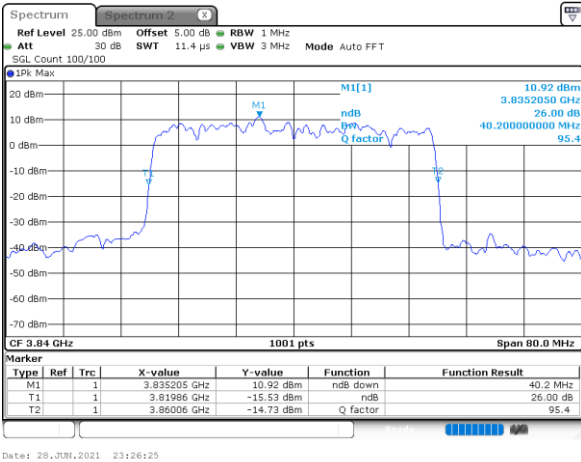


64QAM

256QAM

Middle Channel

Middle Channel





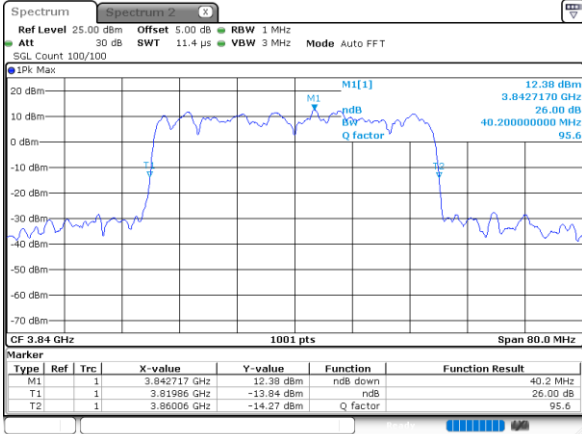
FR1 UL-MIMO n77 / 40MHz / CP-OFDM (Ant5)

QPSK

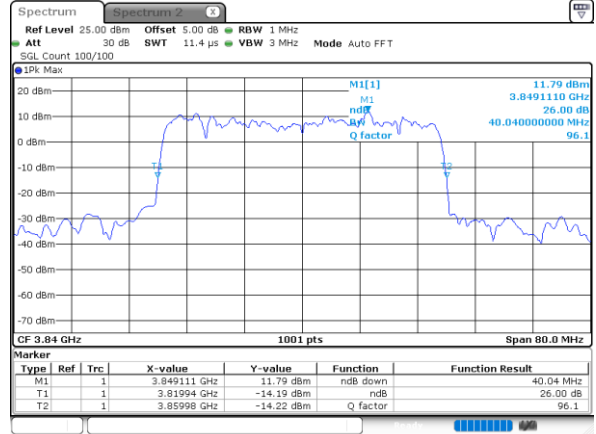
16QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:44:48



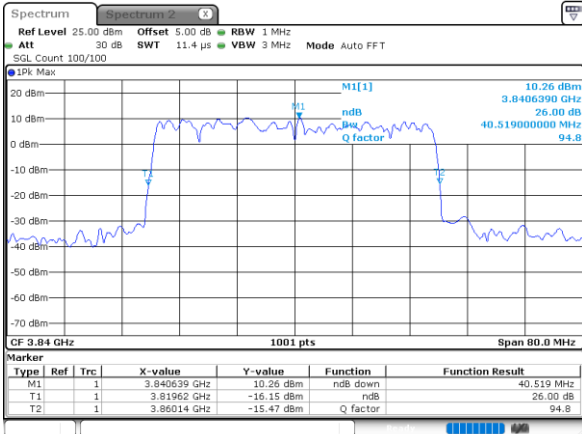
Date: 29 JUN 2021 00:45:06

64QAM

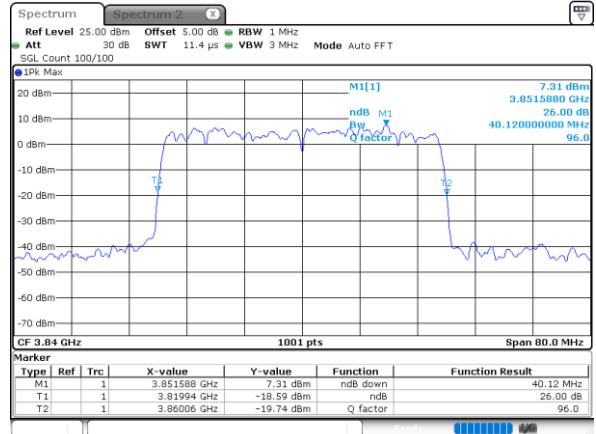
256QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:45:22



Date: 29 JUN 2021 00:45:41



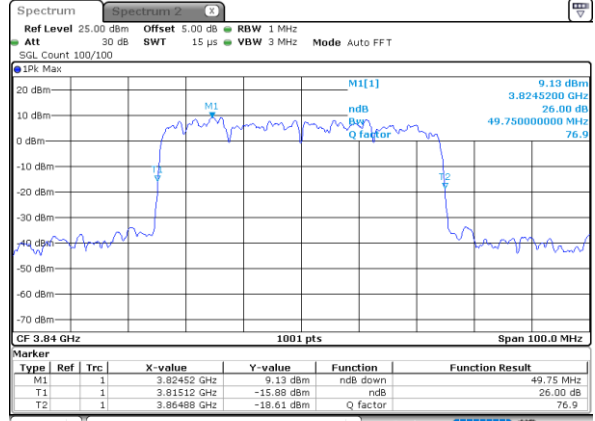
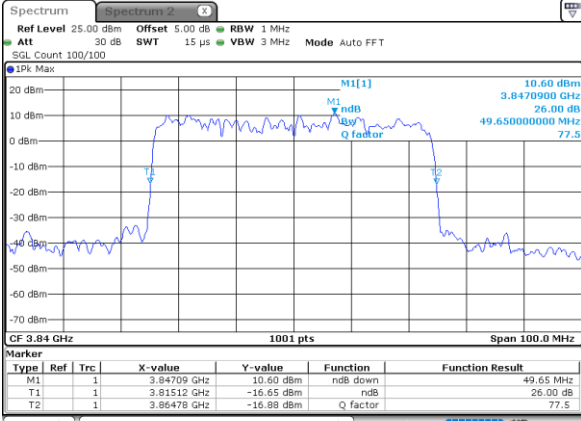
FR1 UL-MIMO n77 / 50MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28_JUN,2021 23:24:52

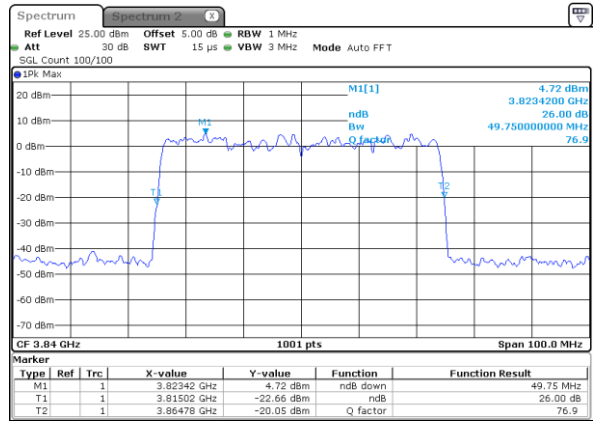
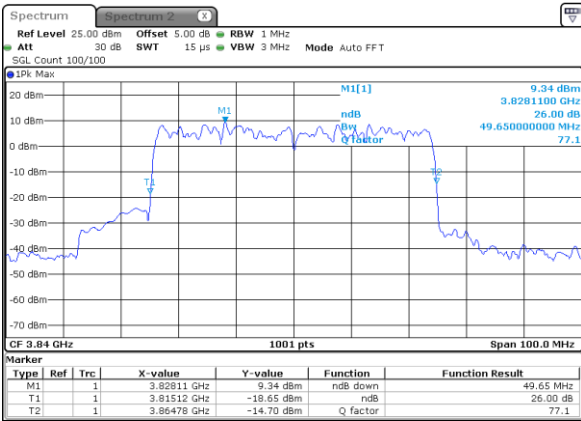
Date: 28_JUN,2021 23:24:37

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28_JUN,2021 23:24:21

Date: 28_JUN,2021 23:23:54