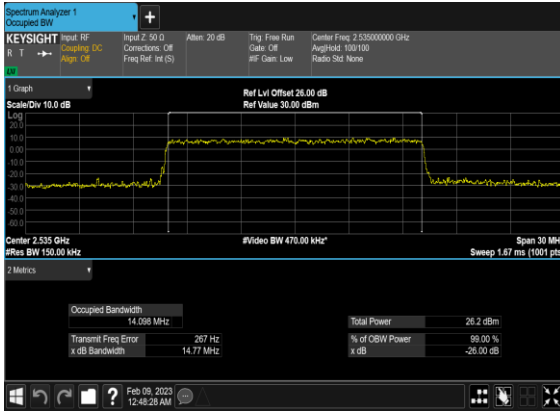
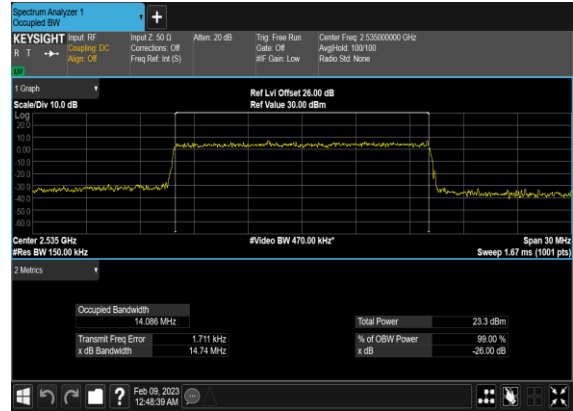


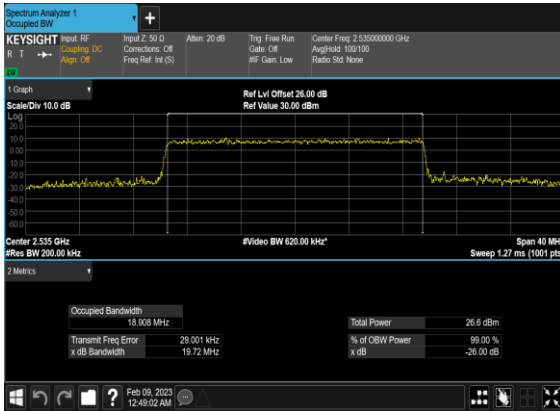
B5_N7(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



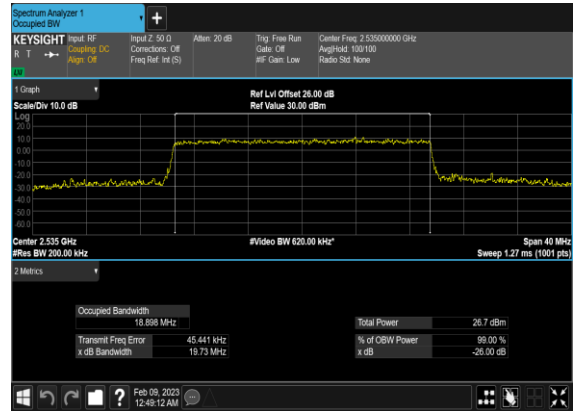
B5_N7(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



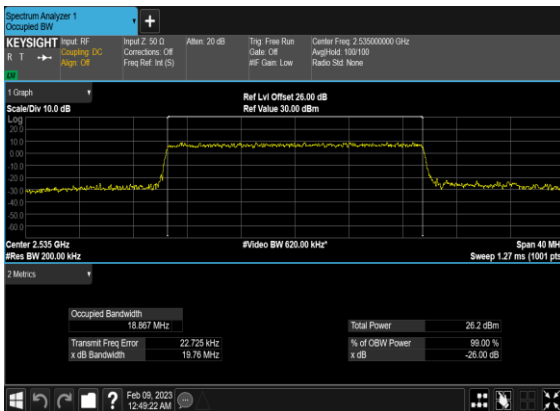
B5_N7(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



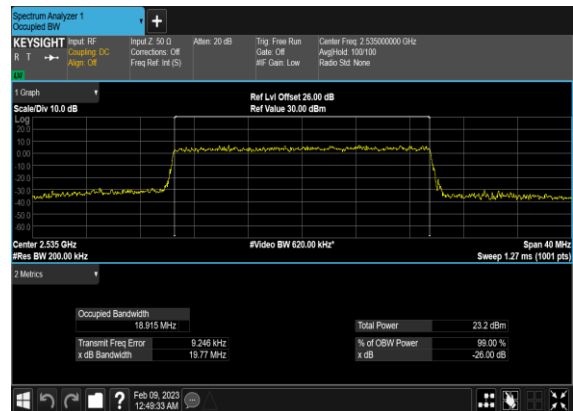
B5_N7(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



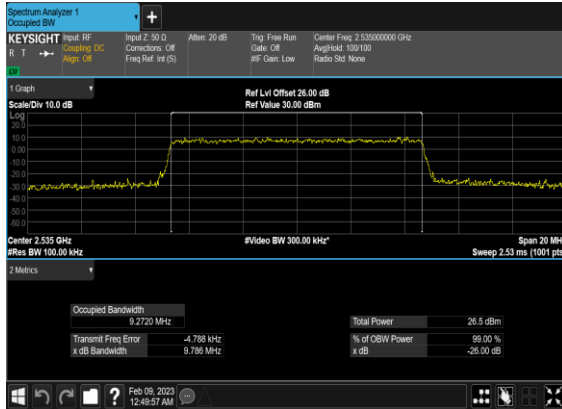
B5_N7(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



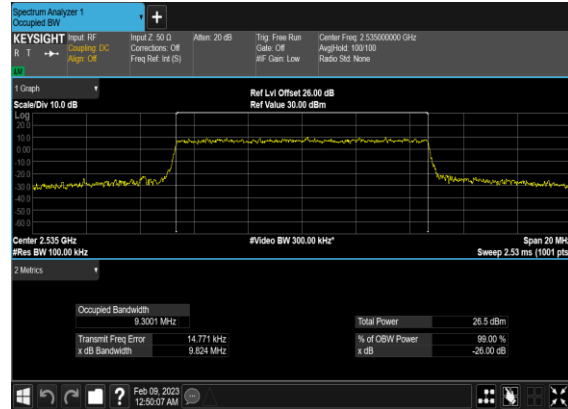
B5_N7(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



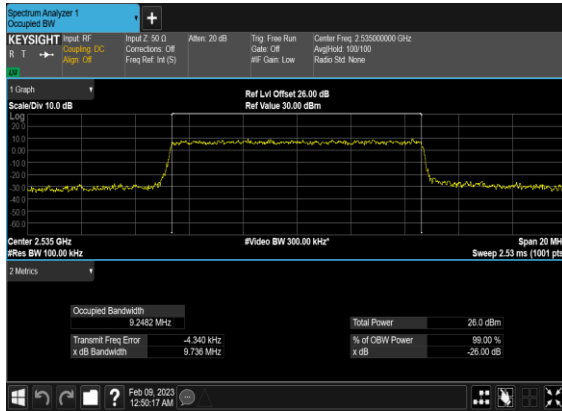
B5_N7(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



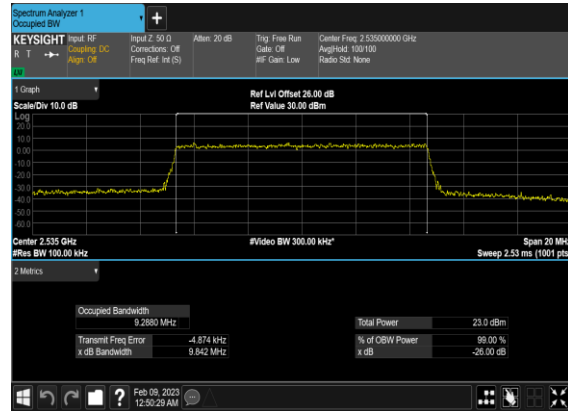
B5_N7(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



B5_N7(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



B5_N7(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



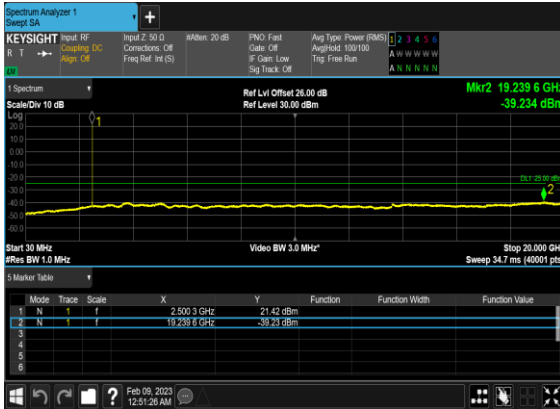
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	15	501500	2507.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@0	see graph	---

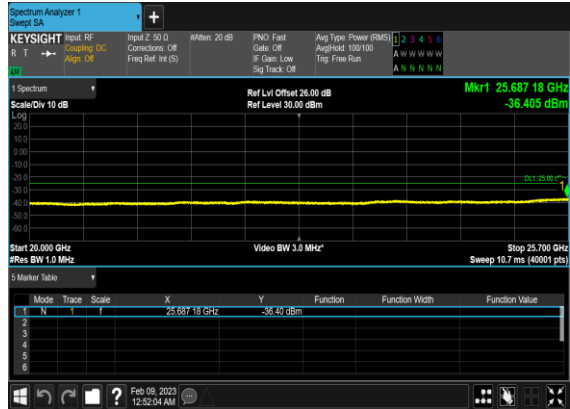
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	15	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	15	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	15	512500	2562.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

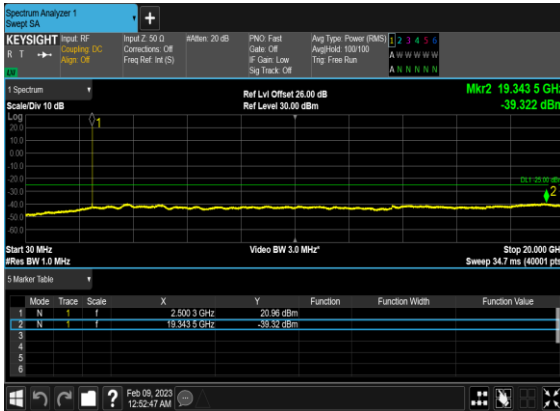
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



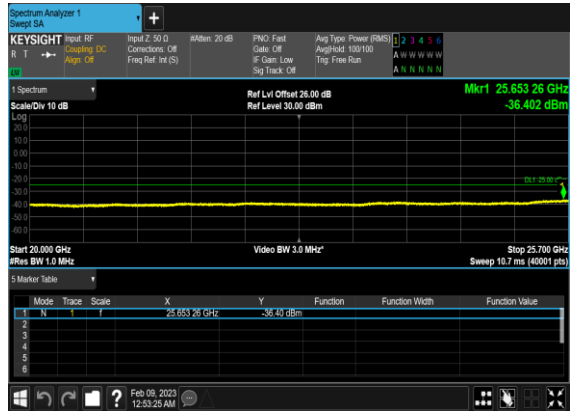
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



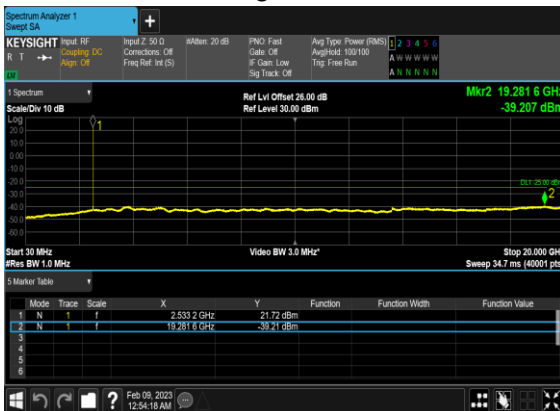
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



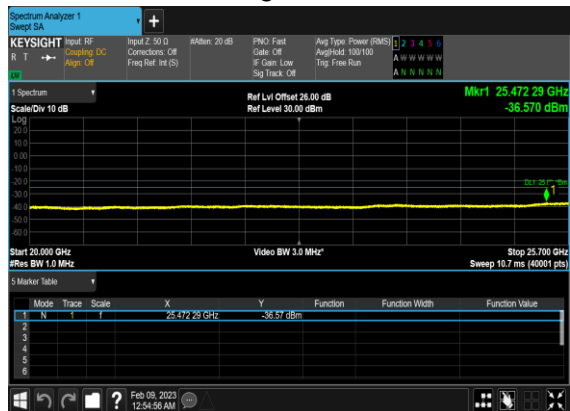
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



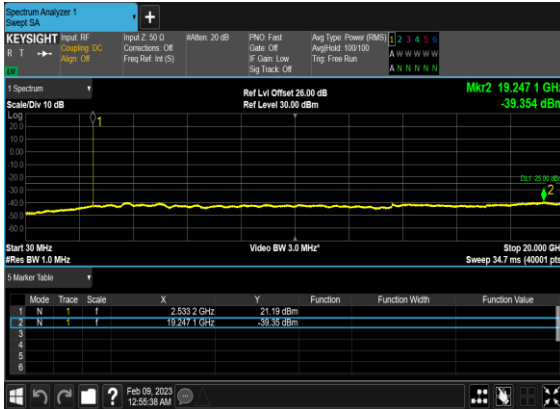
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



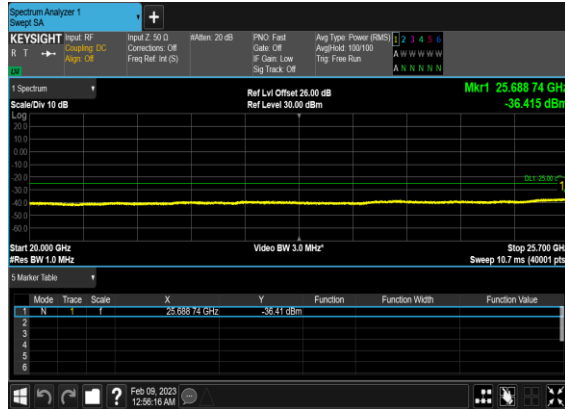
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



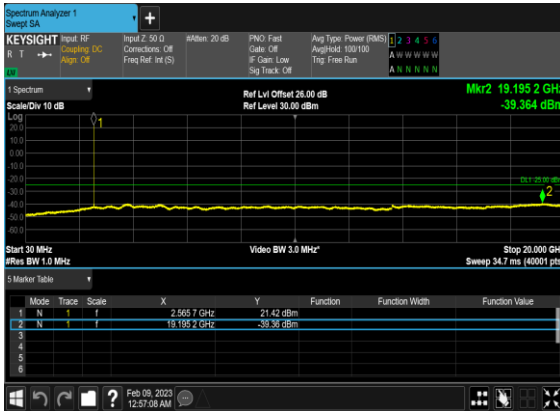
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



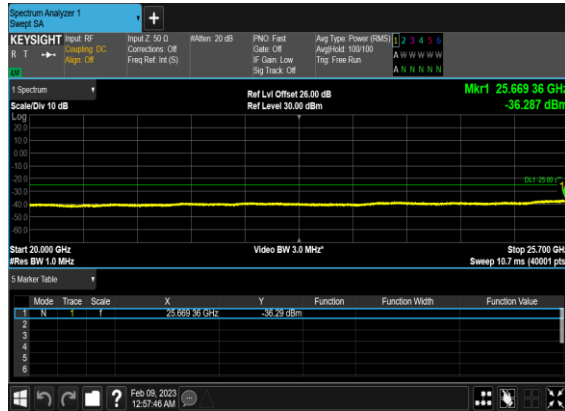
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



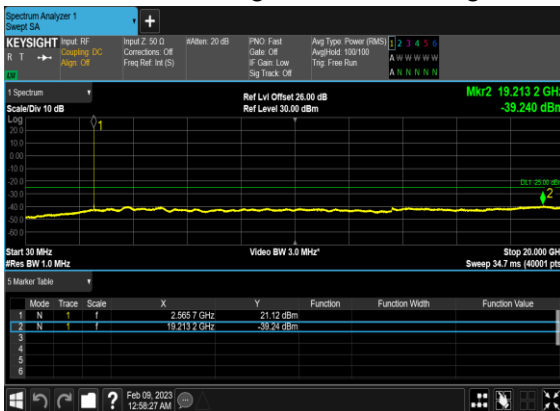
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



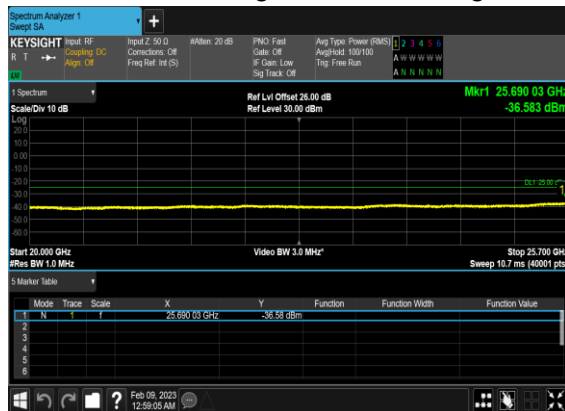
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



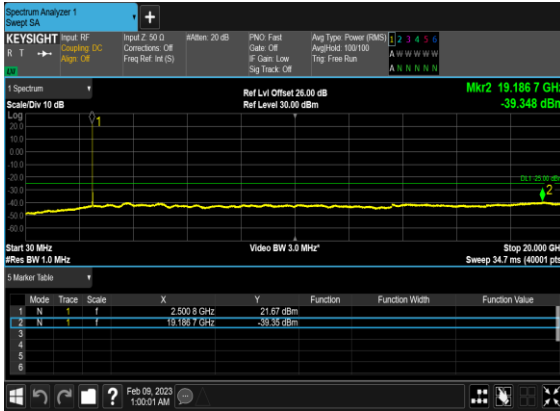
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



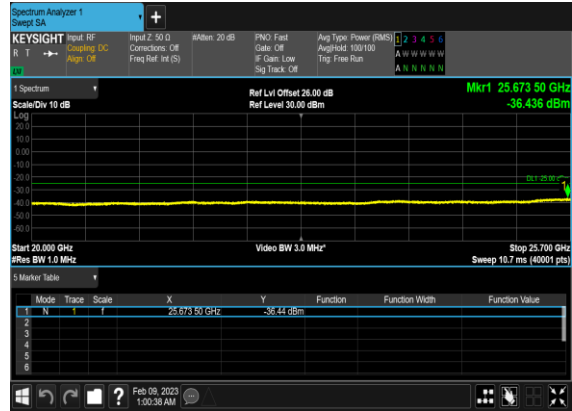
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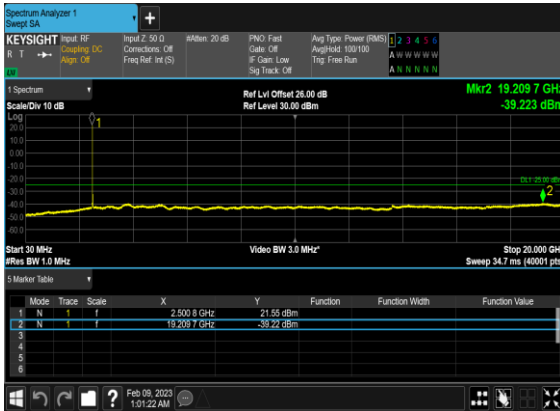
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



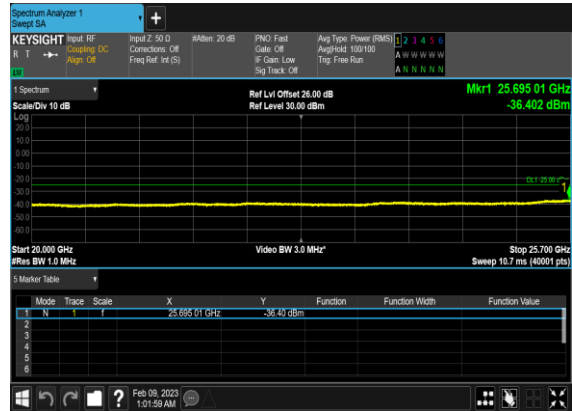
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



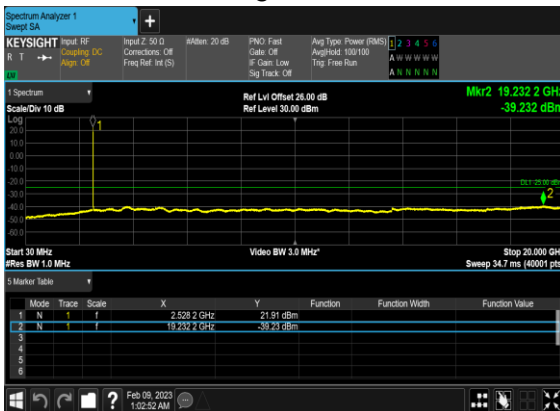
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



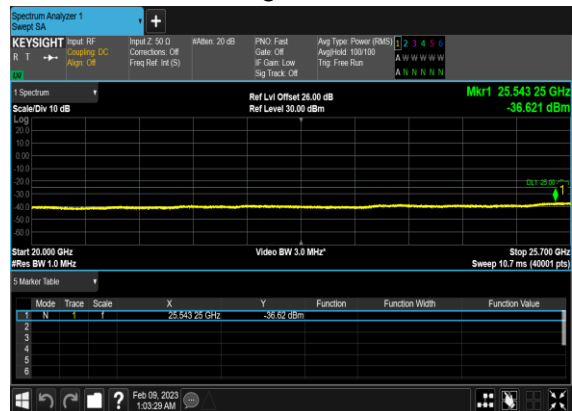
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



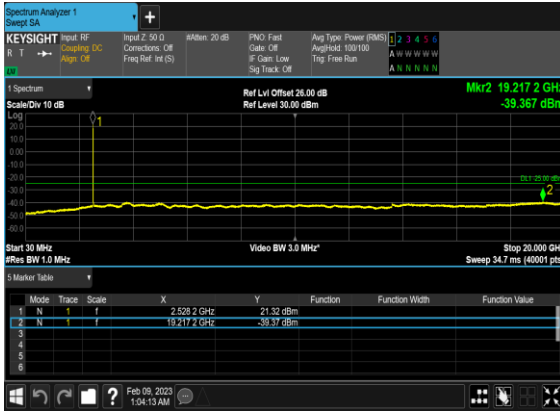
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



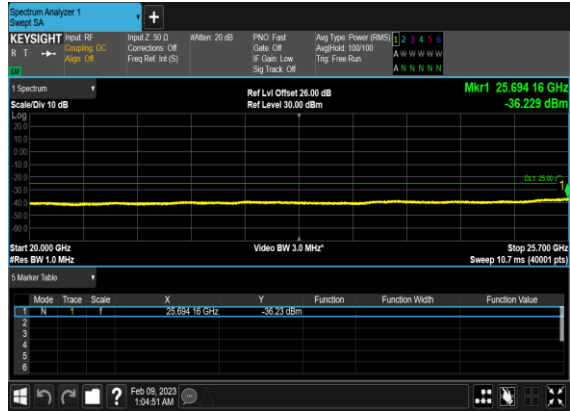
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



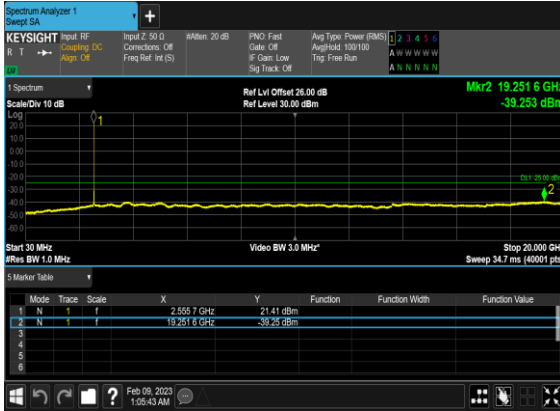
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



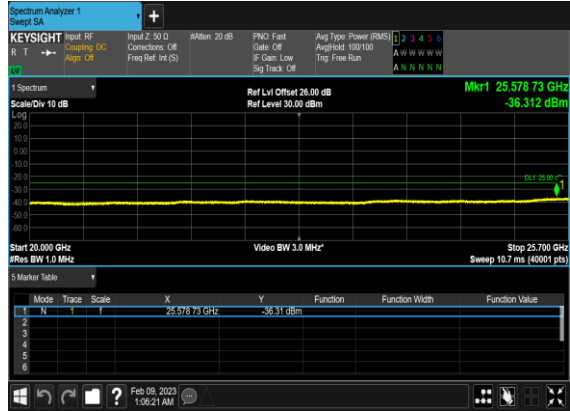
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



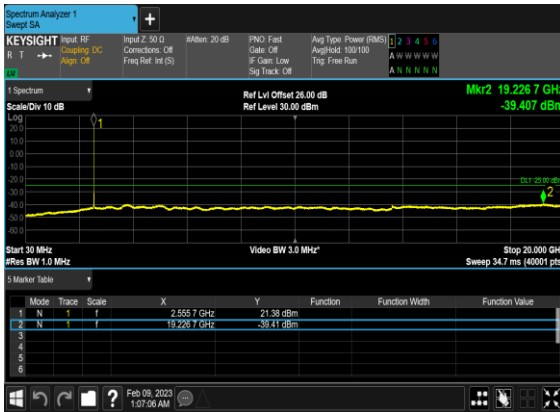
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



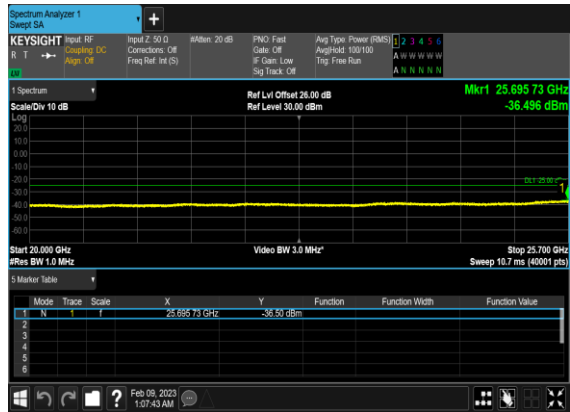
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



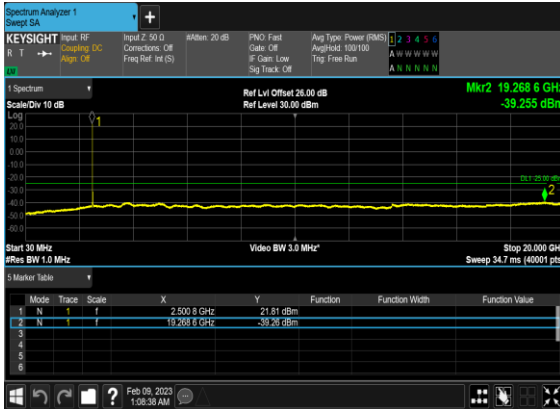
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



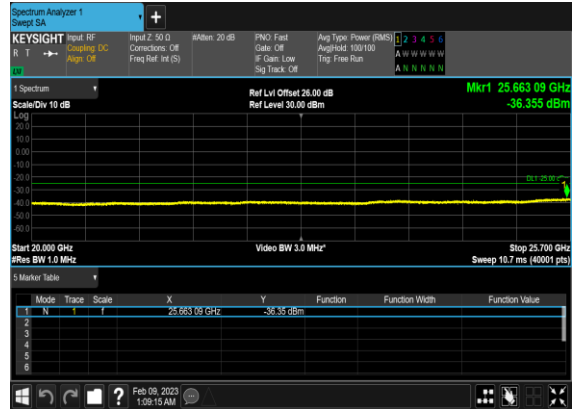
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



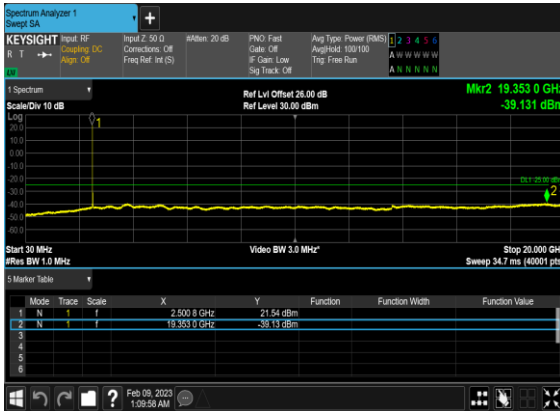
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



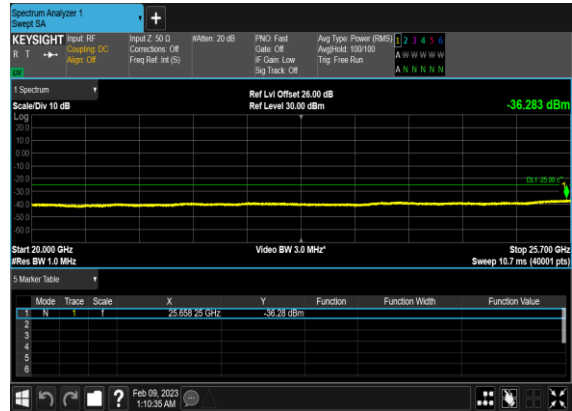
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



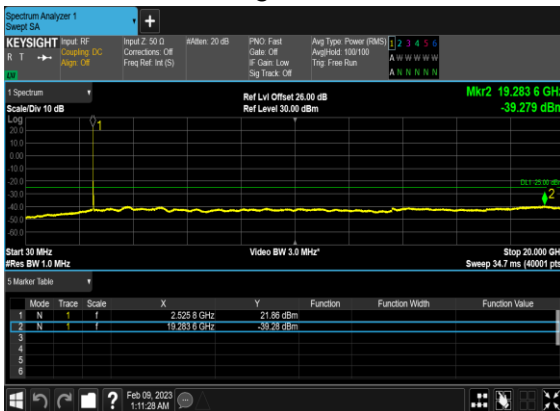
B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



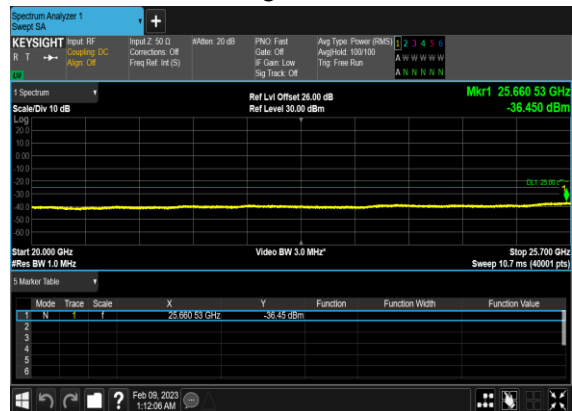
B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



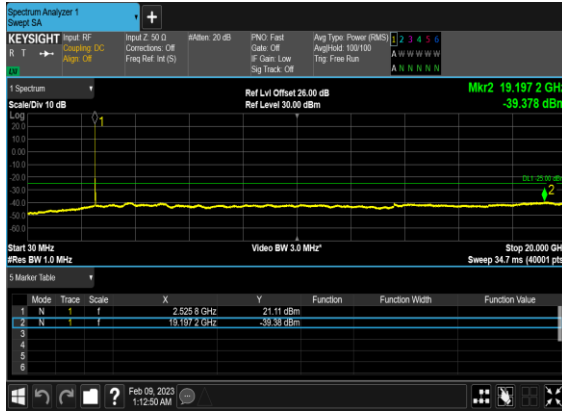
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



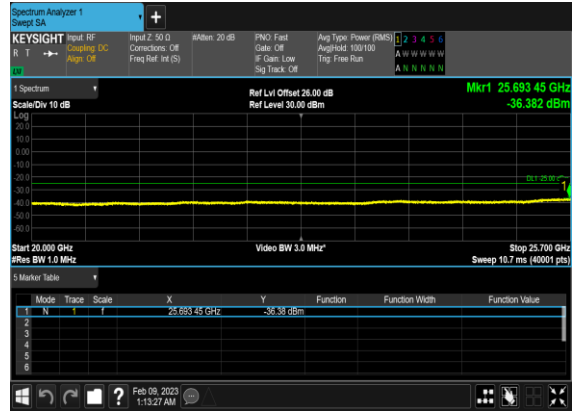
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



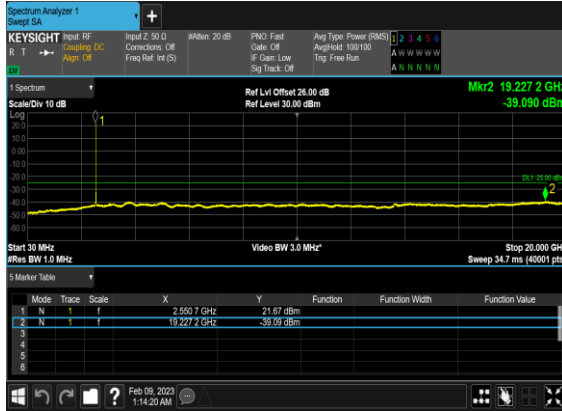
B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



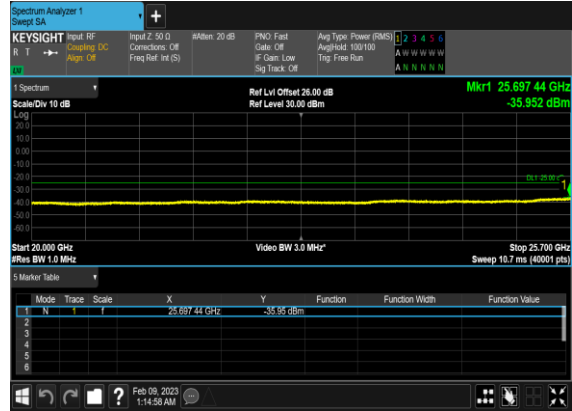
B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



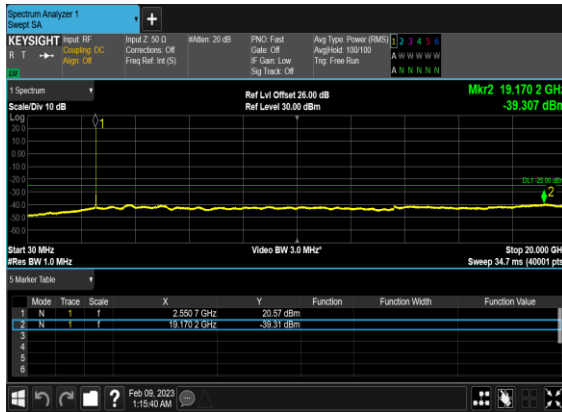
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



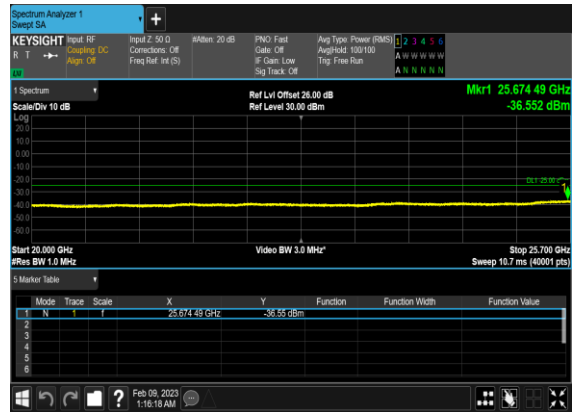
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



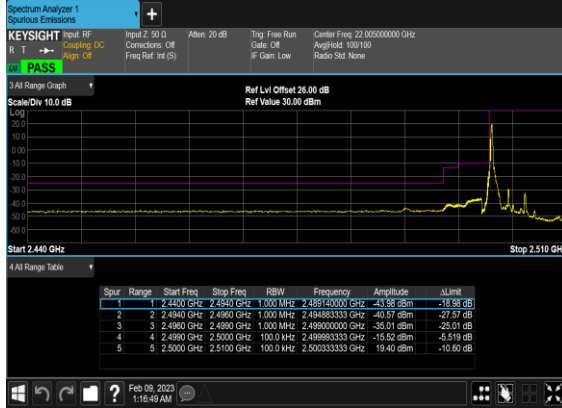
B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



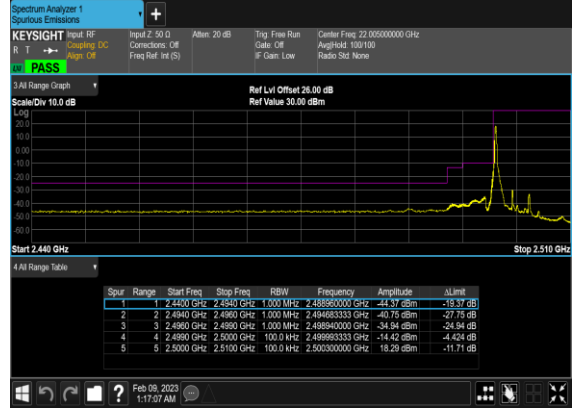
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	75@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	75@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



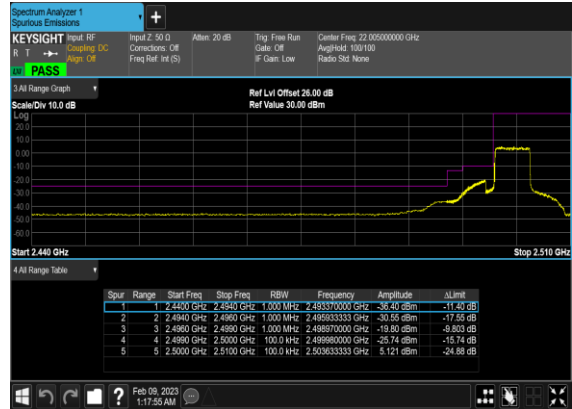
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



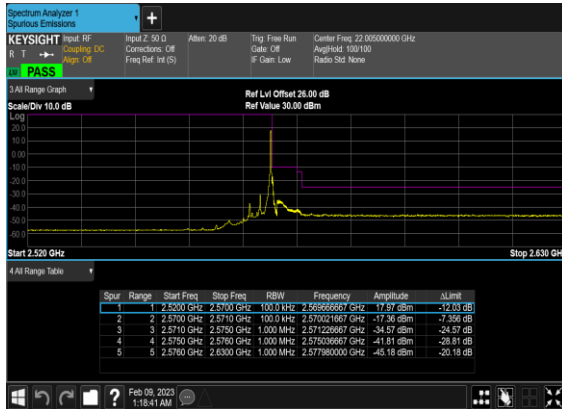
B5_N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



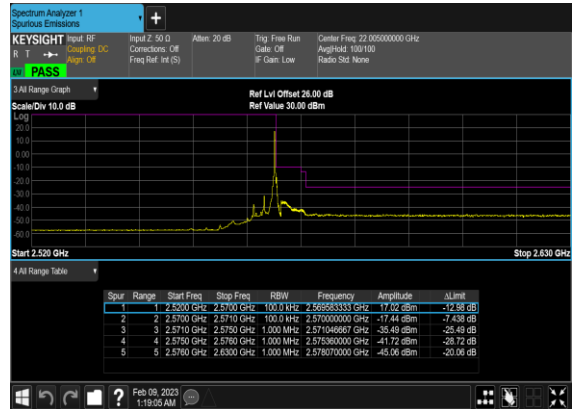
B5_N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



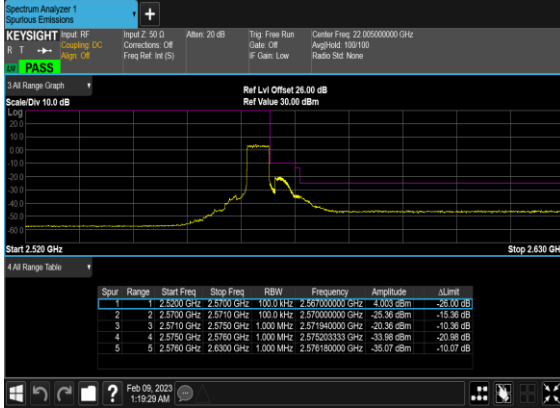
B5_N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



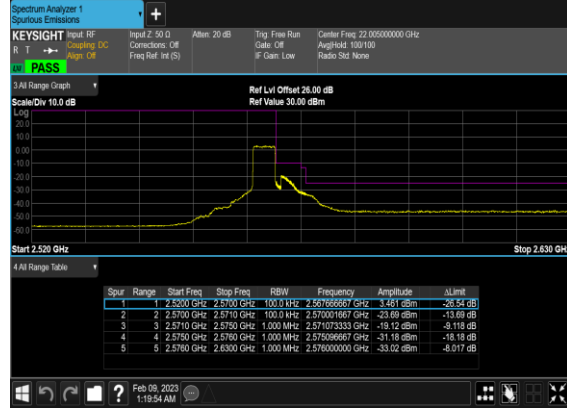
B5_N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



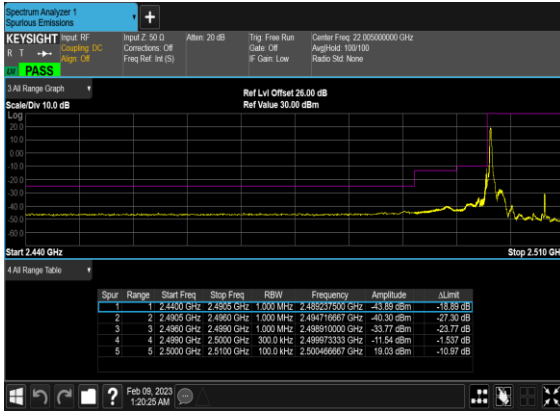
B5_N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



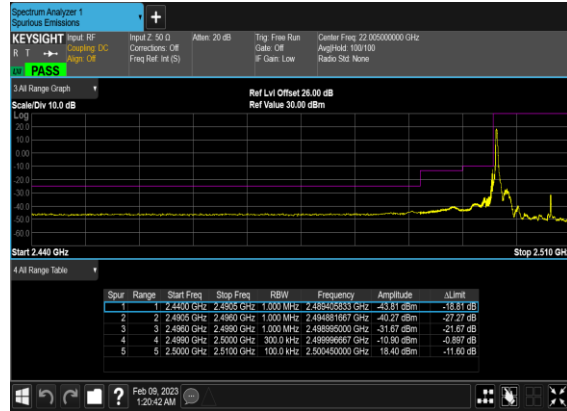
B5_N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



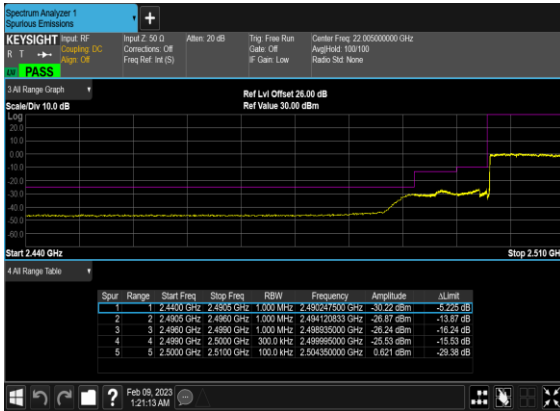
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



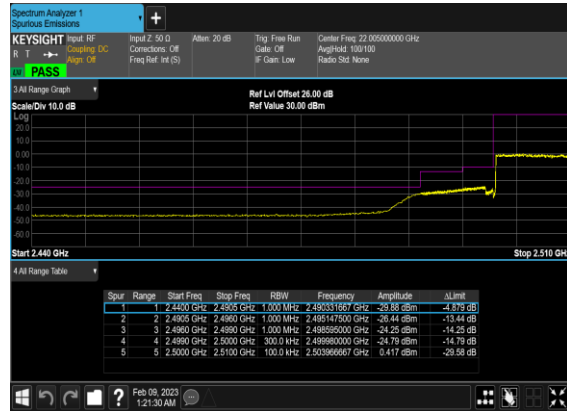
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



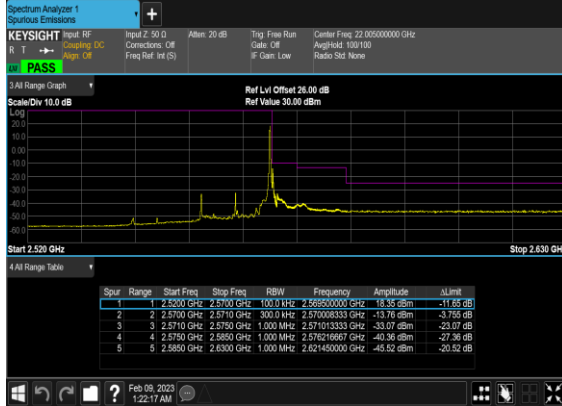
B5_N7(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



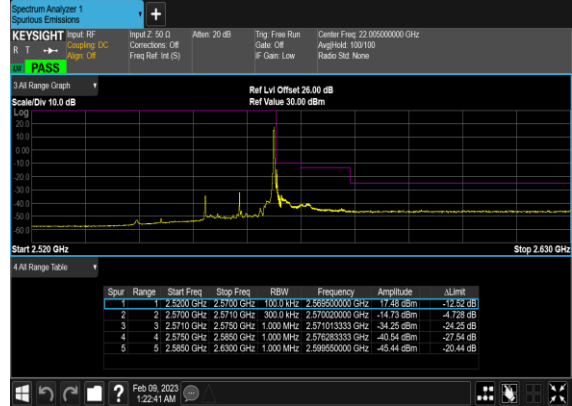
B5_N7(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



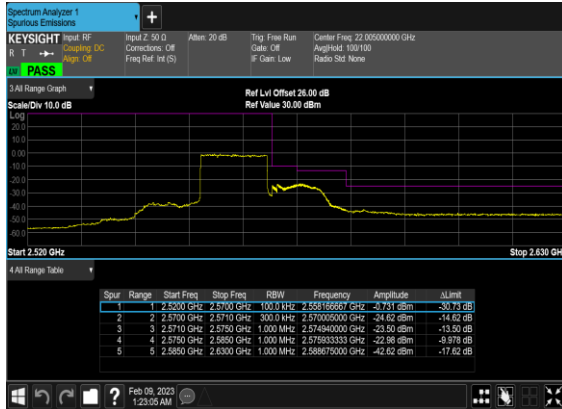
B5_N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



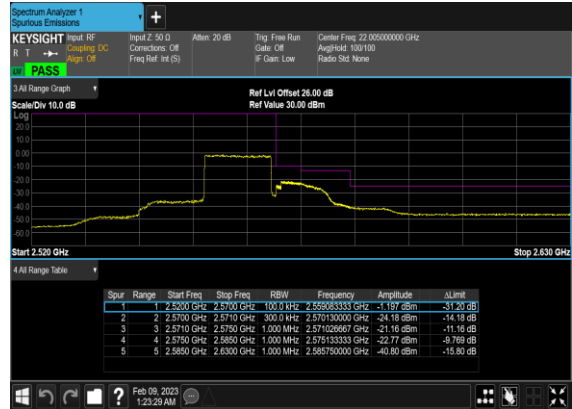
B5_N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



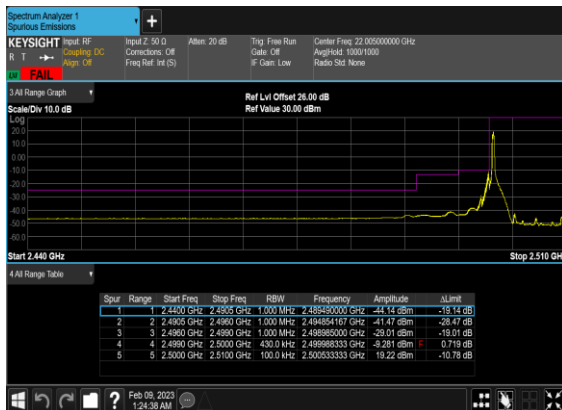
B5_N7(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



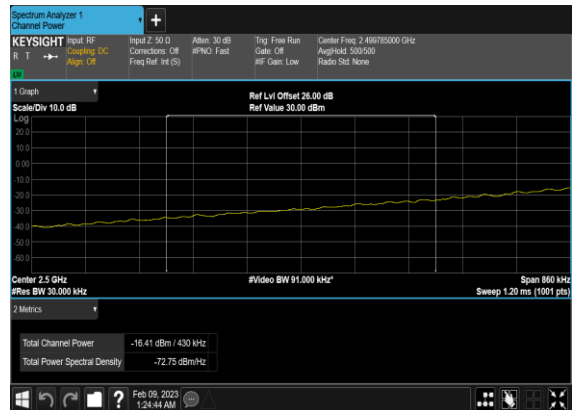
B5_N7(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



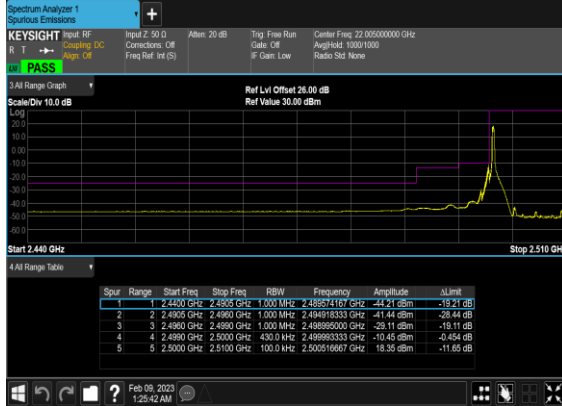
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



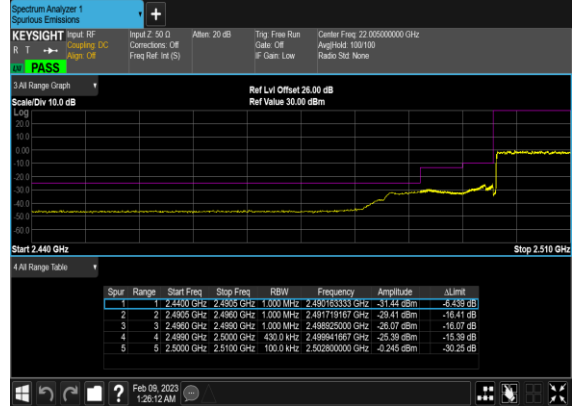
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



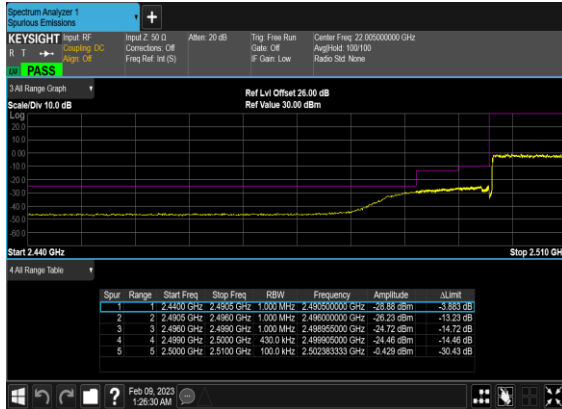
B5_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



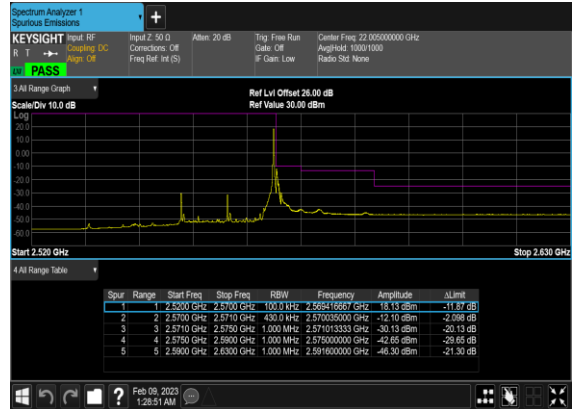
B5_N7(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



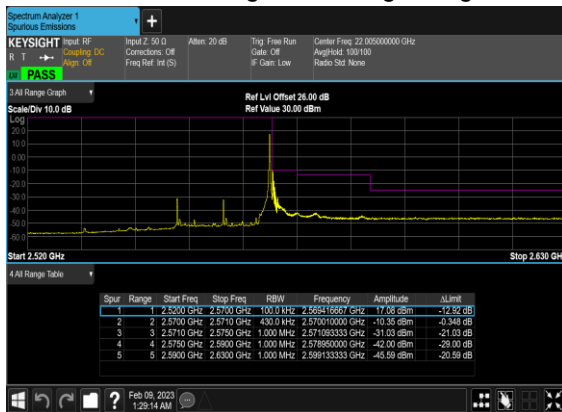
B5_N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



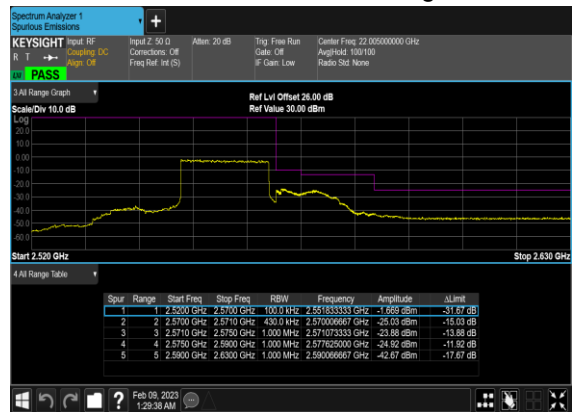
B5_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



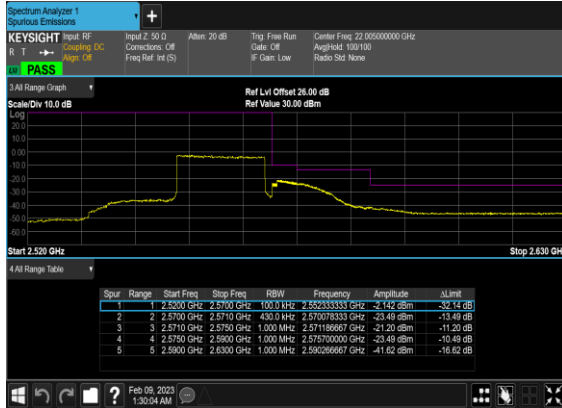
B5_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N7(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B5_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

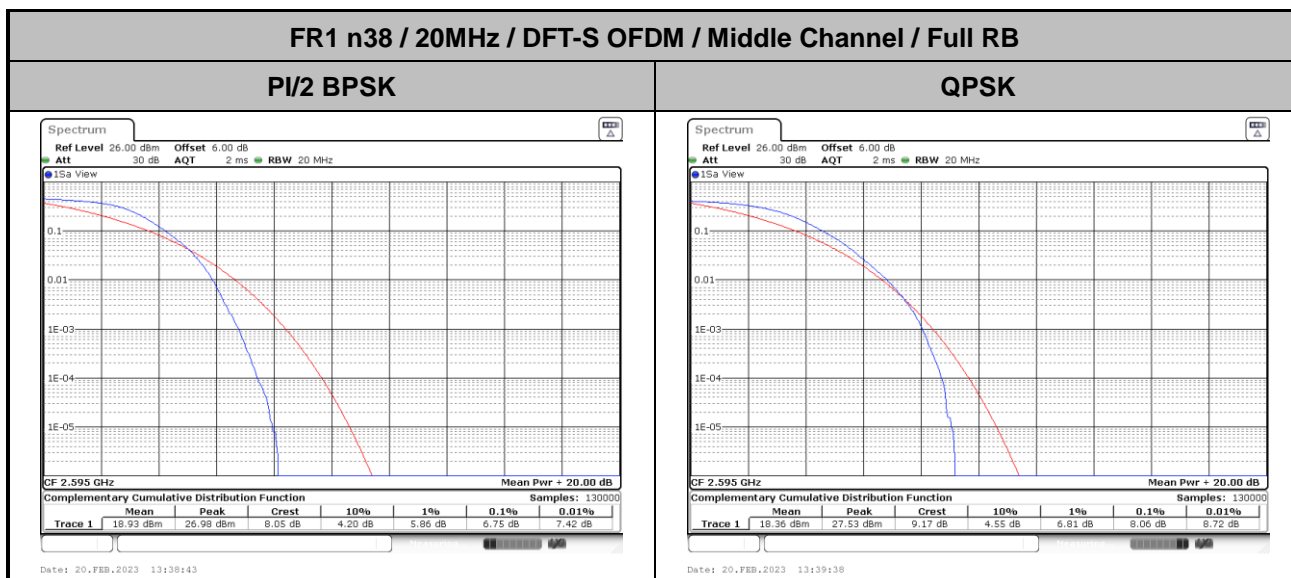


FR1 NSA_N38 (Other PA)

LTE Band: 5, LTE BW: 10M, LTE ARFCN: Mid

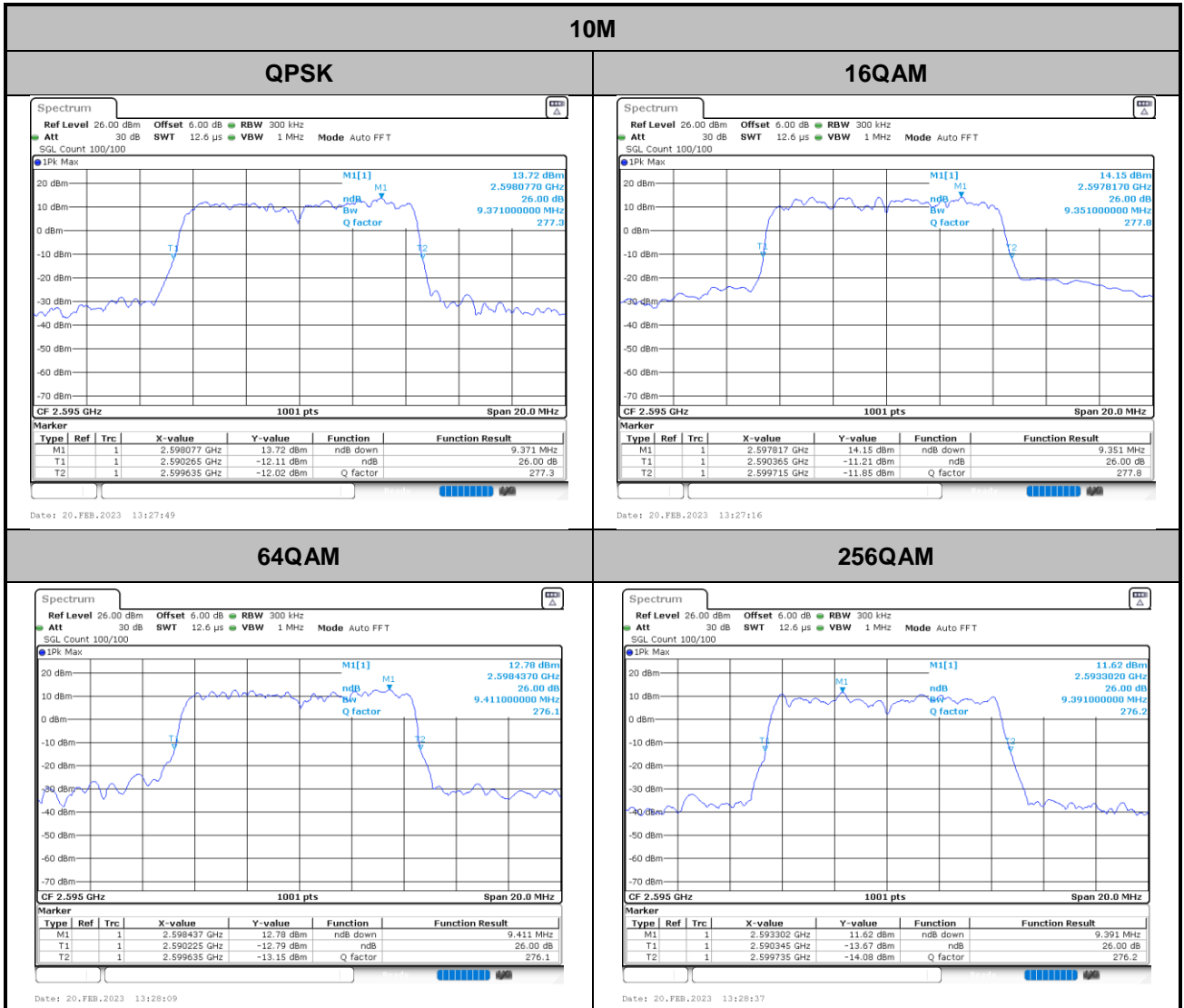
Peak-to-Average Ratio

Mode	FR1 n38 /20MHz / DFT-S OFDM		
Mod.	20M		Limit: 13dB
RB Size	PI/2 BPSK	QPSK	Result
Middle CH	6.75	8.06	PASS



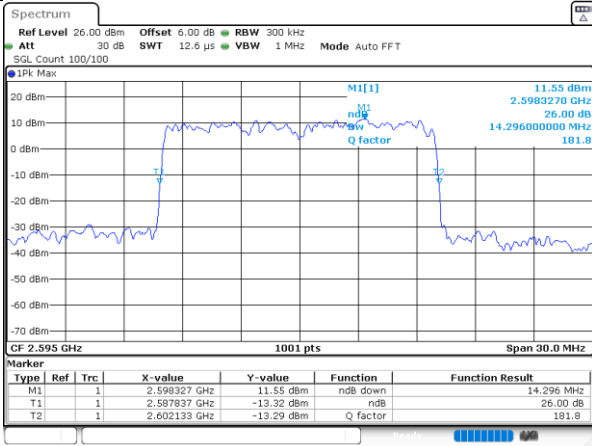
26dB Bandwidth

Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM			
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.37	9.35	9.41	9.39
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.30	14.51	14.45	14.48
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.18	19.30	18.98	18.14

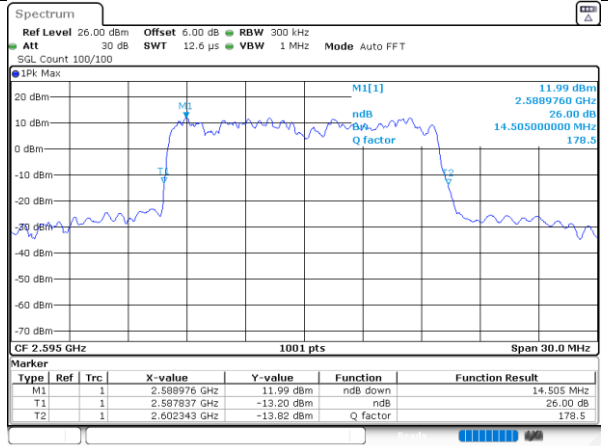


15M

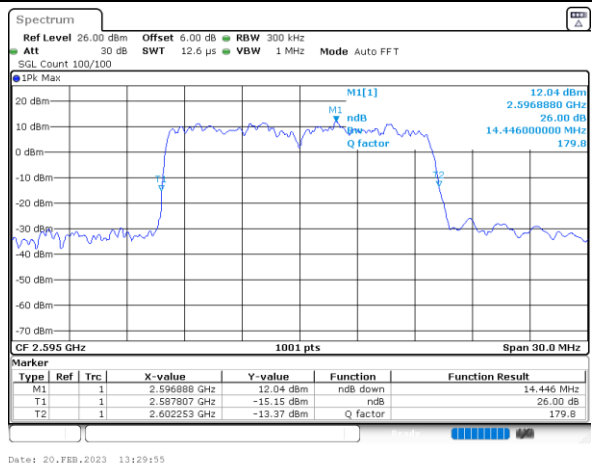
QPSK



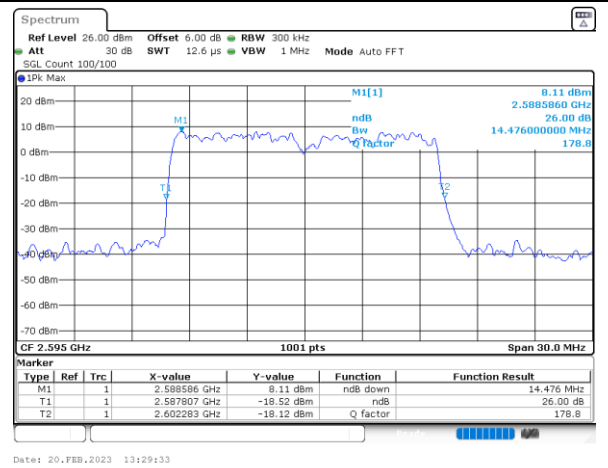
16QAM



64QAM

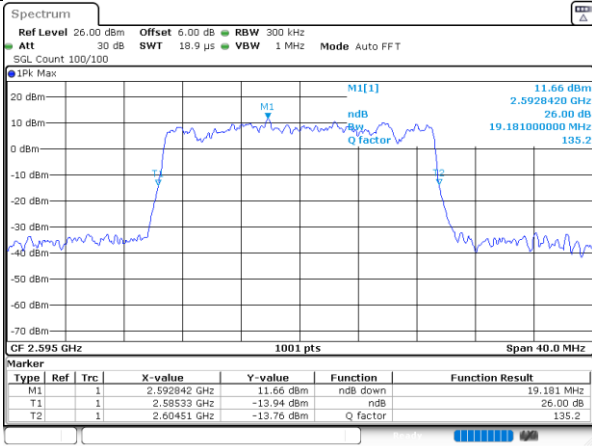


256QAM



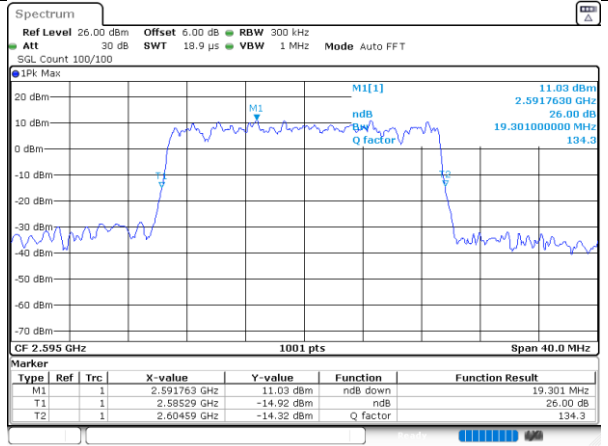
20M

QPSK



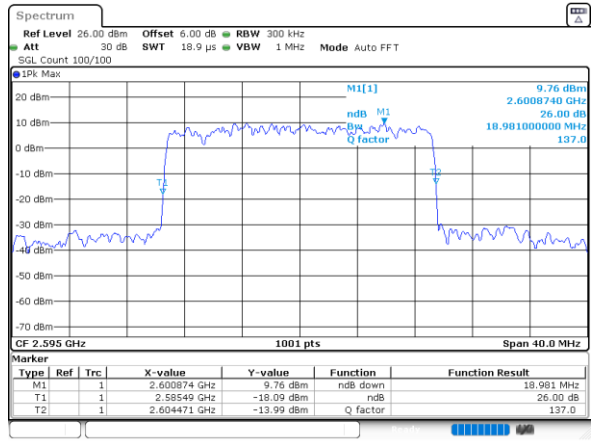
Date: 20.FEB.2023 13:31:06

16QAM



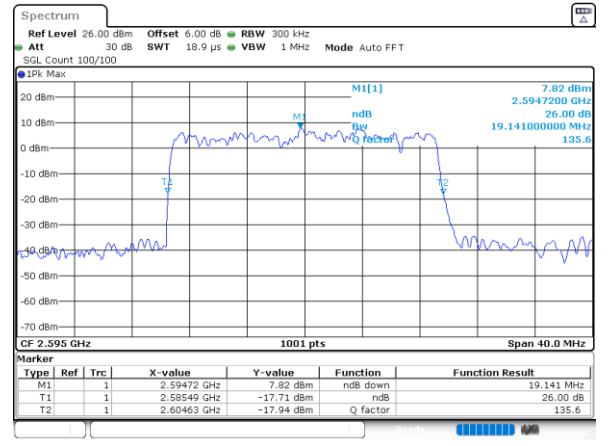
Date: 20.FEB.2023 13:31:29

64QAM



Date: 20.FEB.2023 13:31:49

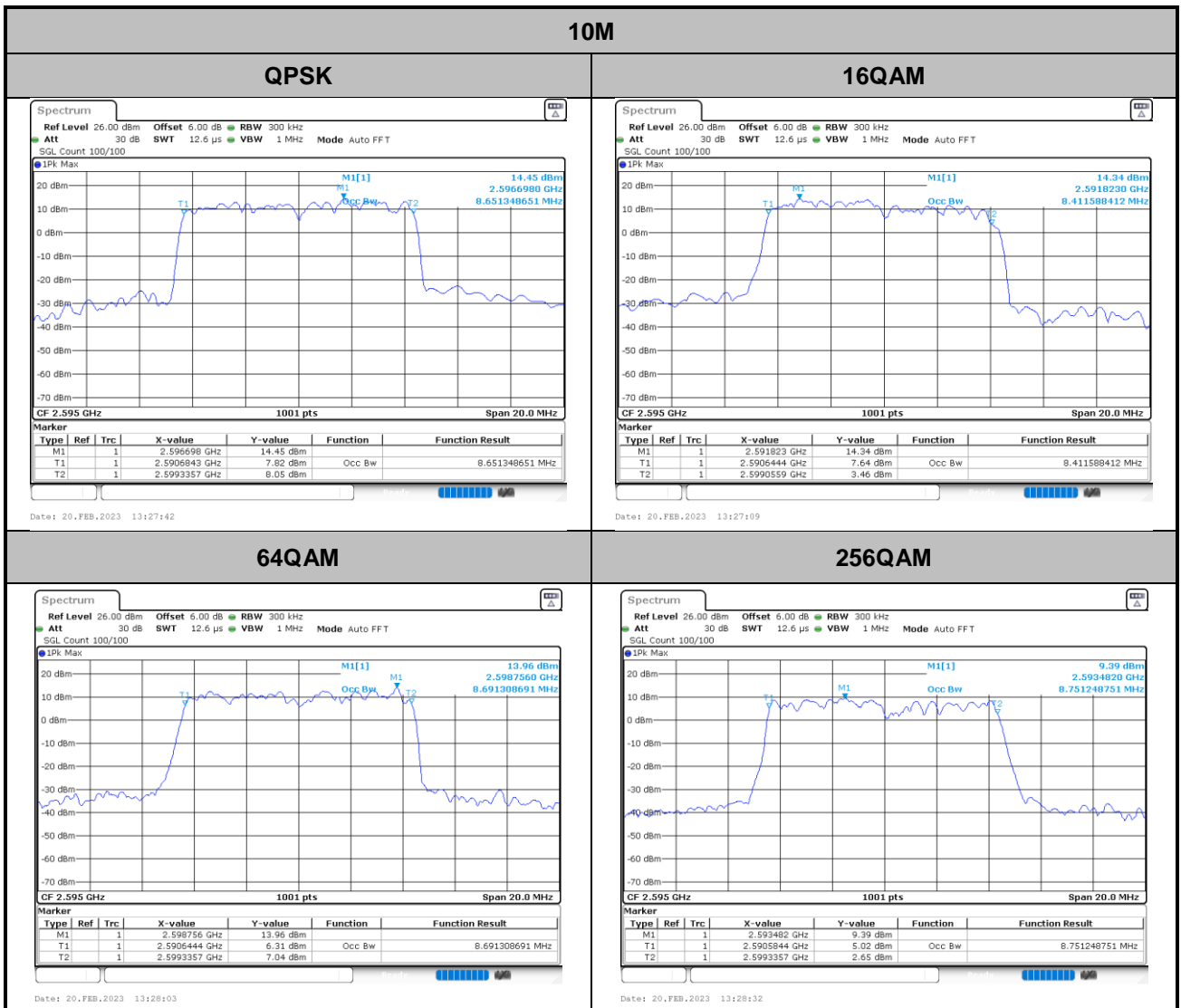
256QAM



Date: 20.FEB.2023 13:32:12

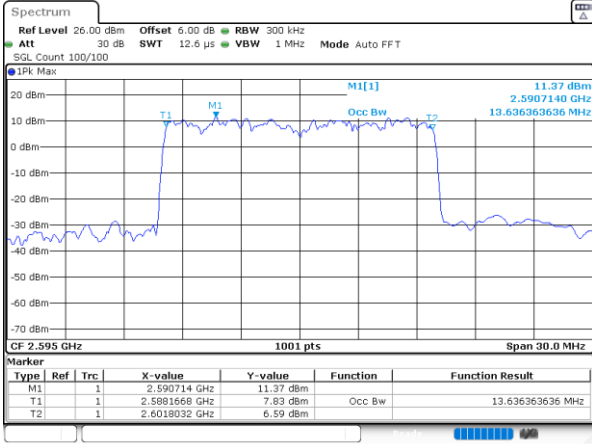
Occupied Bandwidth

Mode	FR1 n38: OB BW(MHz) / DFT-S OFDM			
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.65	8.41	8.69	8.75
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	13.64	13.64	13.67	13.61
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.18	18.26	18.14	18.14

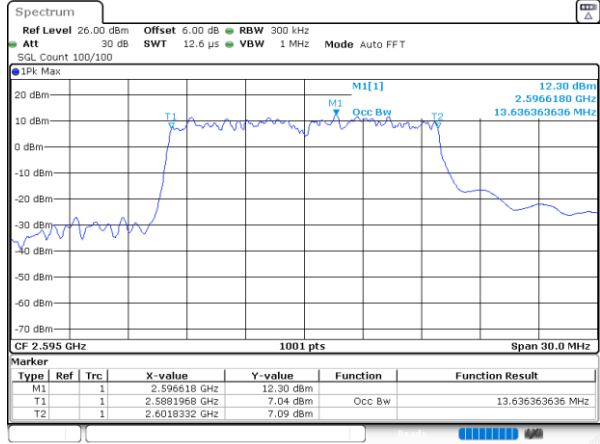


15M

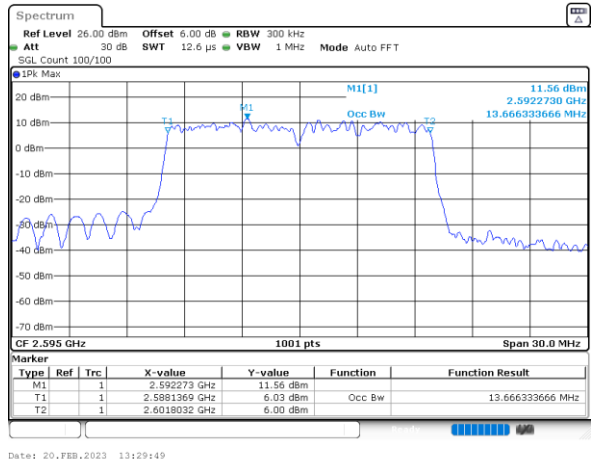
QPSK



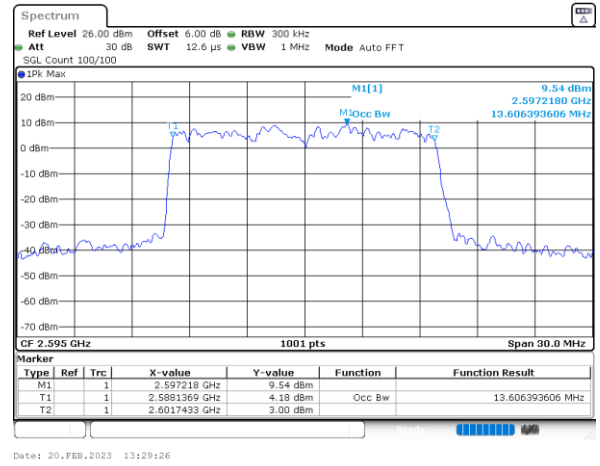
16QAM



64QAM

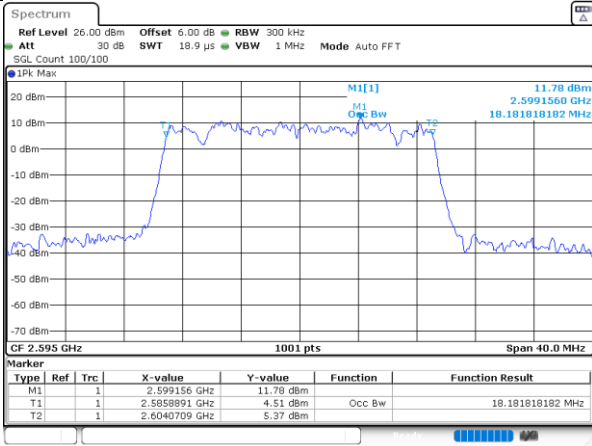


256QAM



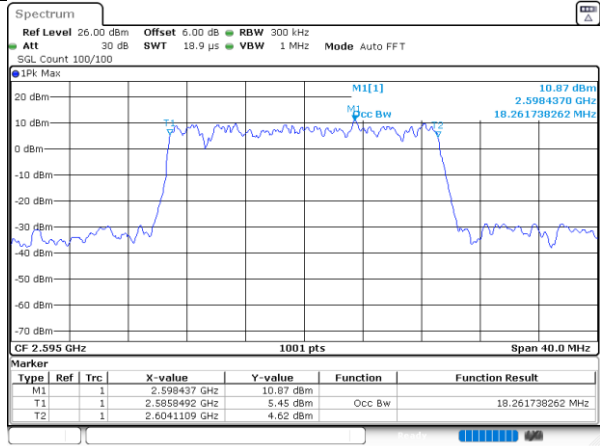
20M

QPSK



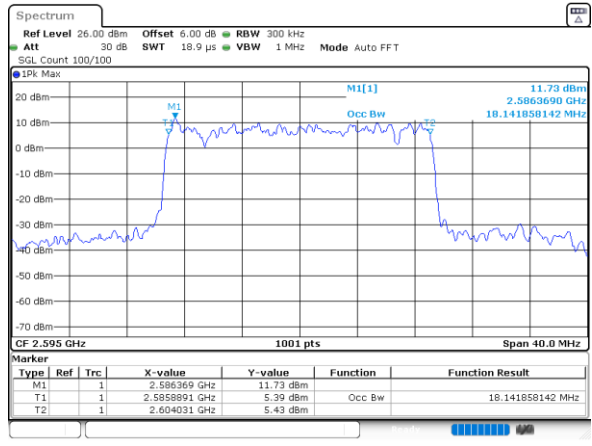
Date: 20.FEB.2023 13:30:59

16QAM



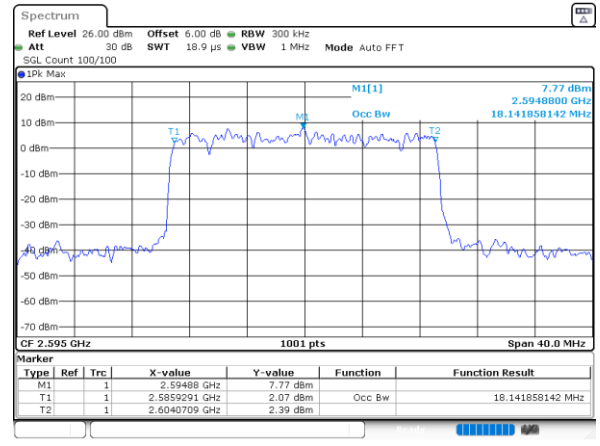
Date: 20.FEB.2023 13:31:21

64QAM



Date: 20.FEB.2023 13:31:43

256QAM



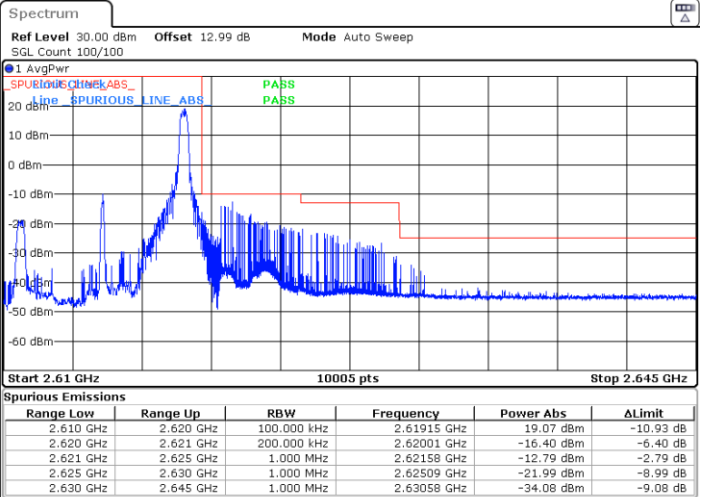
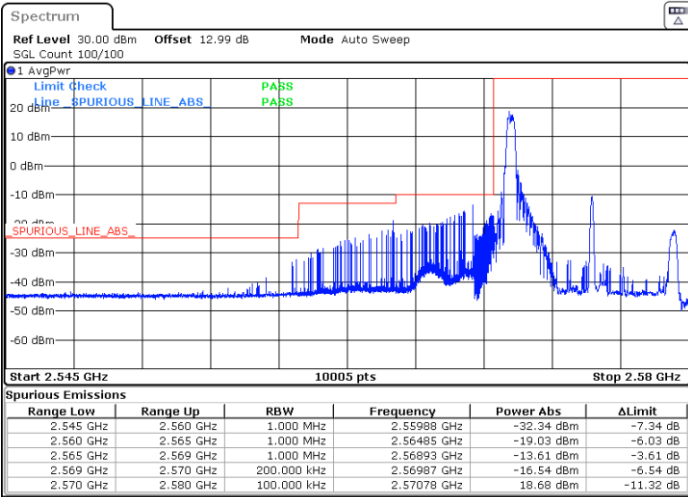
Date: 20.FEB.2023 13:32:06

Conducted Band Edge

FR1 n38/ 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

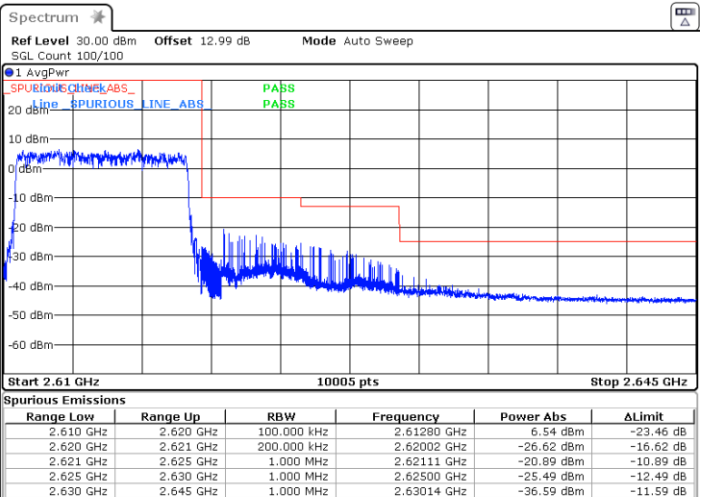
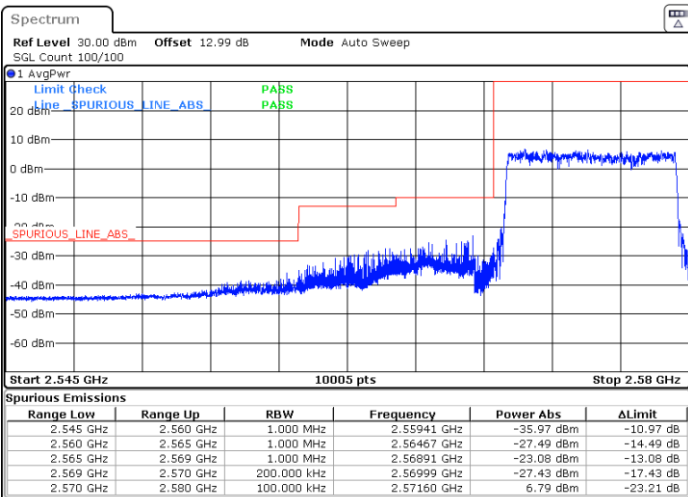


Date: 20.FEB.2023 14:52:57

Date: 20.FEB.2023 14:58:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



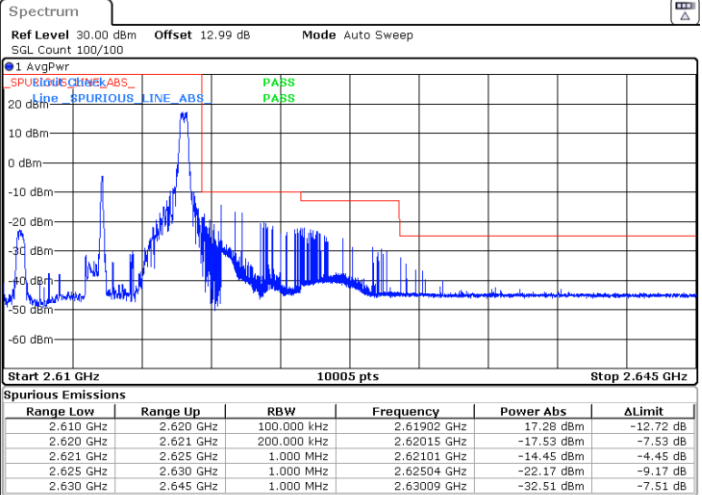
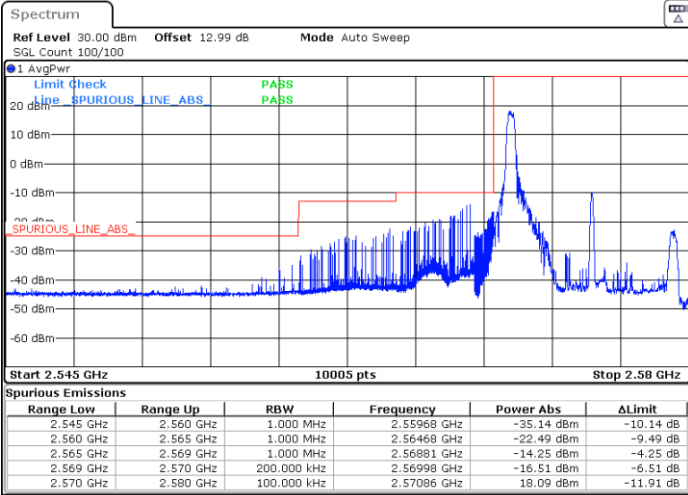
Date: 20.FEB.2023 14:55:08

Date: 20.FEB.2023 14:57:45

FR1 n38 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

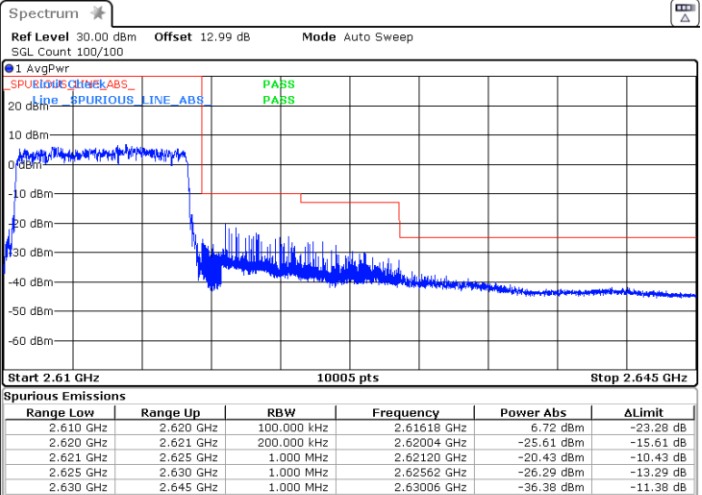
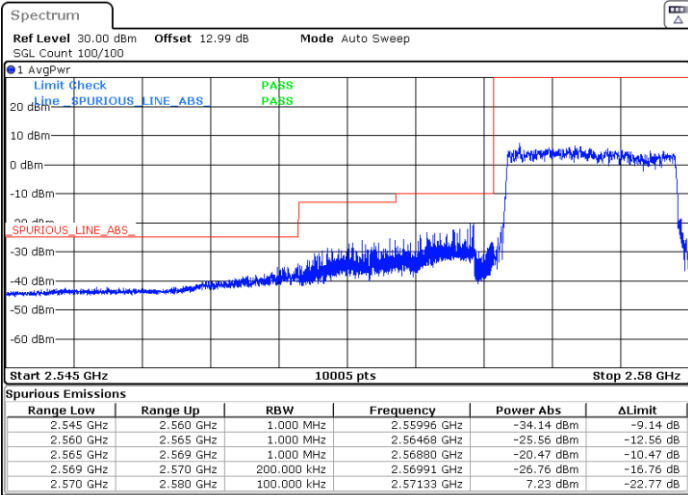


Date: 20.FEB.2023 14:52:20

Date: 20.FEB.2023 15:01:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



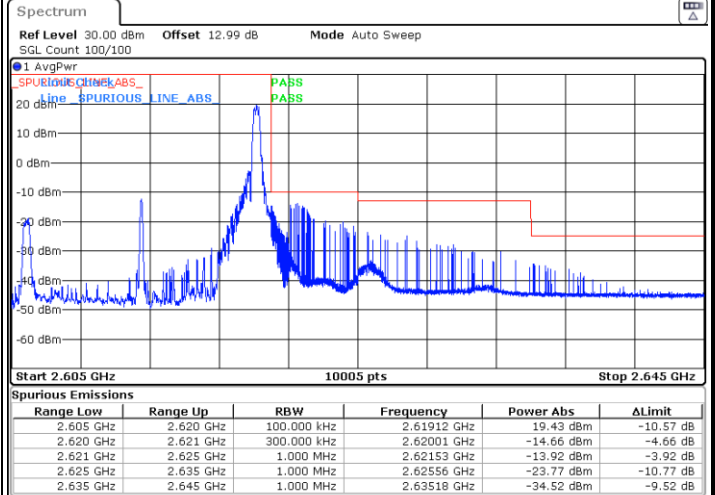
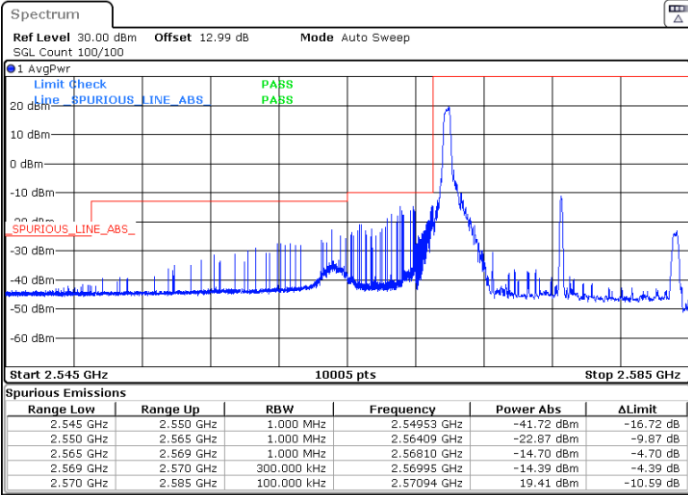
Date: 20.FEB.2023 14:56:32

Date: 20.FEB.2023 14:57:14

FR1 n38/ 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

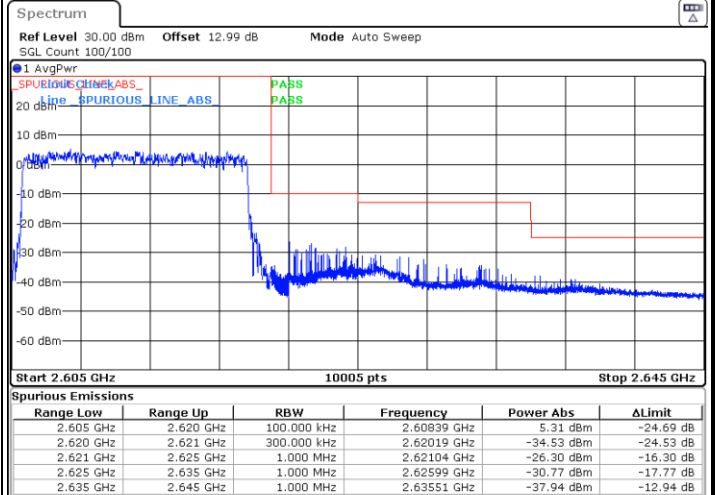
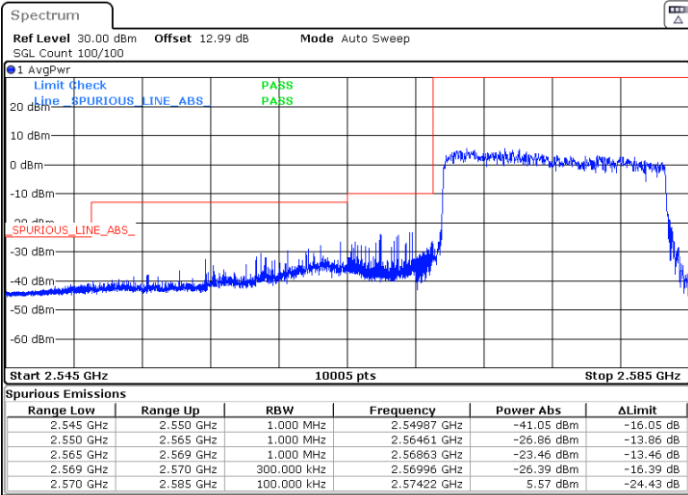


Date: 20.FEB.2023 14:29:05

Date: 20.FEB.2023 14:41:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.FEB.2023 14:29:50

Date: 20.FEB.2023 14:40:52