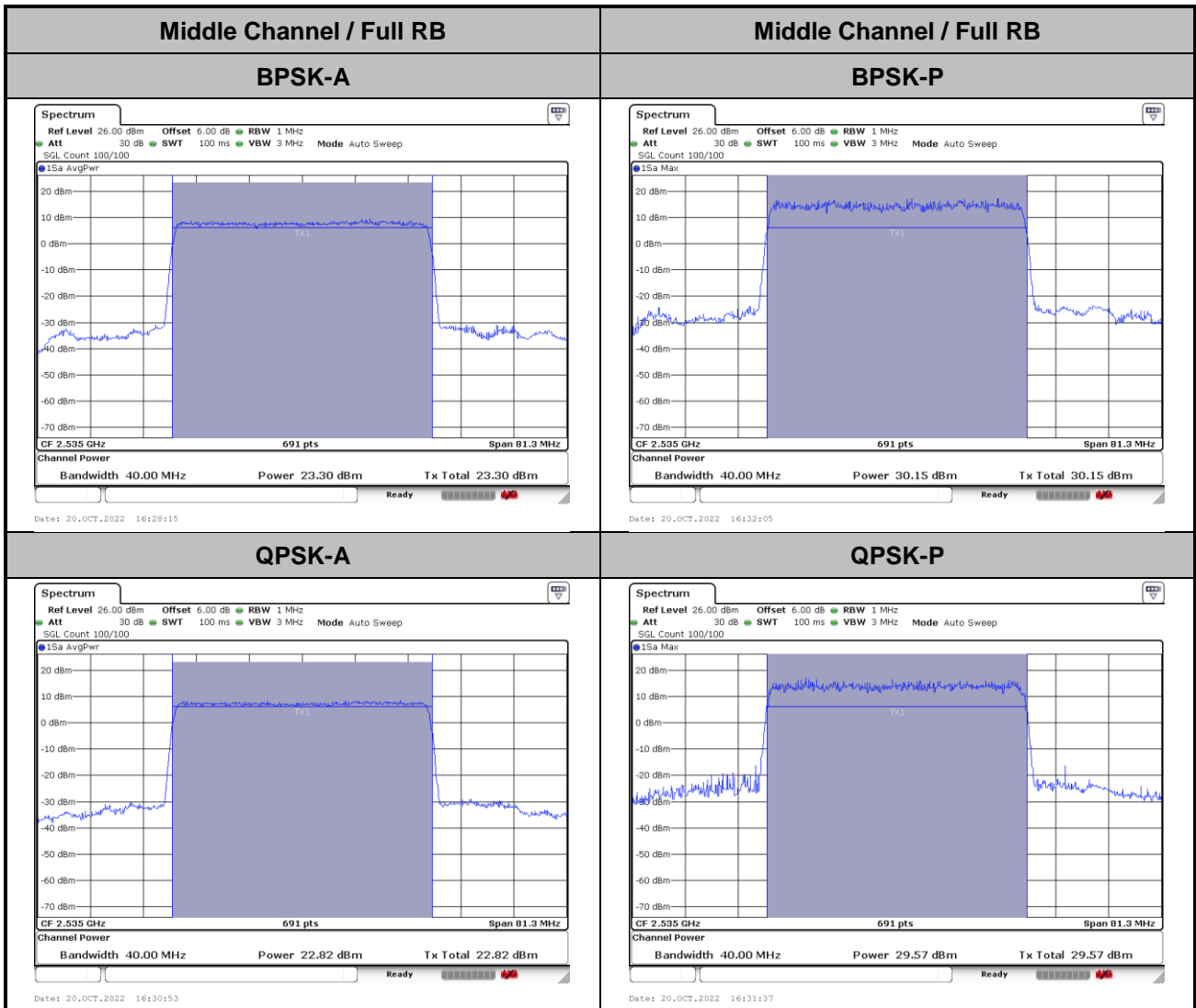




FR1 5A_n7A

Peak-to-Average Ratio

Mode	FR1 n7 / 40MHz / DFT-S OFDM			
Mod.	PI/2 BPSK	QPSK		Limit: 13dB
RB Size	Full RB	Full RB		Result
Middle CH	6.85	6.75		PASS





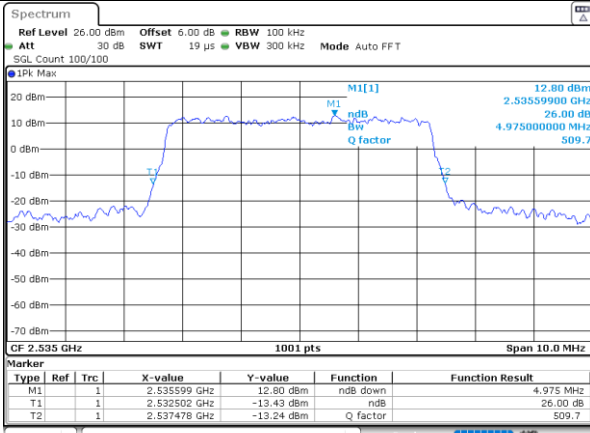
26dB Bandwidth

Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM			
BW	5M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	4.98	4.97	4.93	4.86
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	10.05	10.11	10.15	10.01
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.87	14.93	14.96	14.96
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	21.30	21.18	21.26	21.22
BW	25M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.82	24.78	24.74	24.70
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	29.53	29.53	29.53	29.57
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	41.08	40.92	40.92	41.08



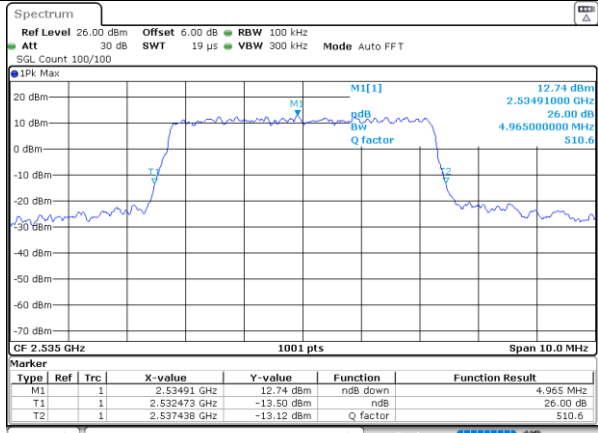
5M

QPSK



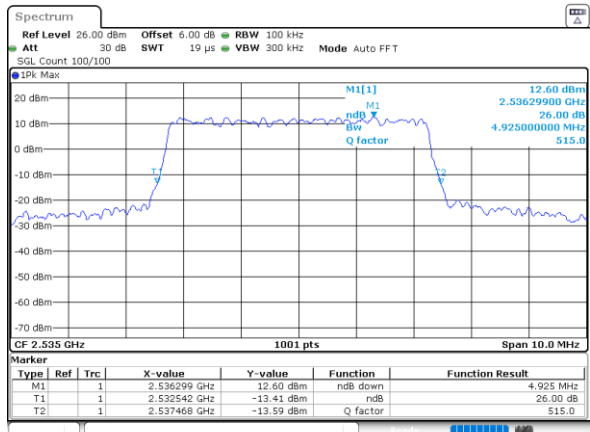
Date: 19.OCT.2022 14:40:11

16QAM



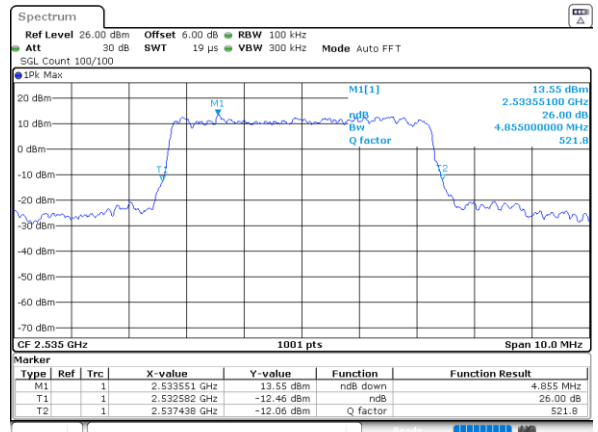
Date: 19.OCT.2022 14:40:33

64QAM



Date: 19.OCT.2022 14:41:02

256QAM

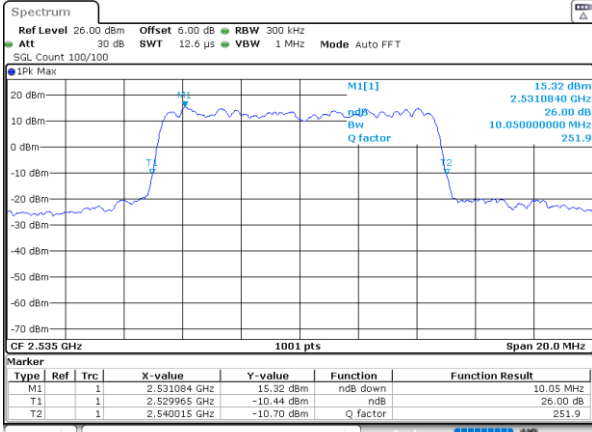


Date: 19.OCT.2022 14:41:25



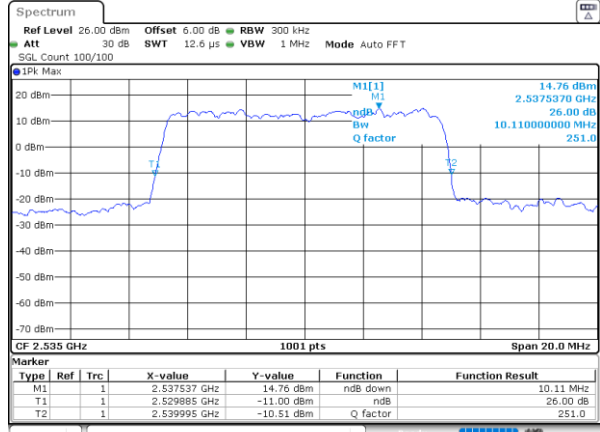
10M

QPSK



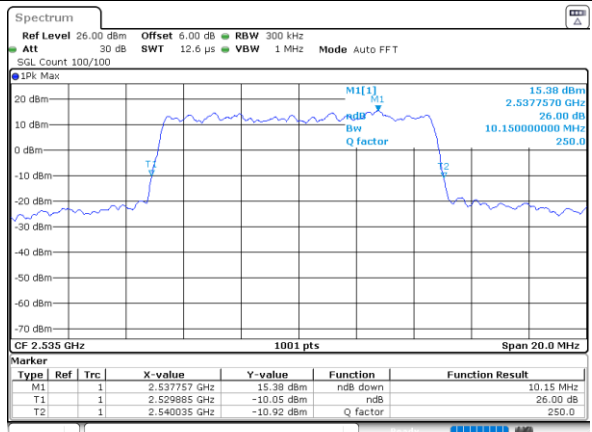
Date: 19.OCT.2022 15:21:19

16QAM



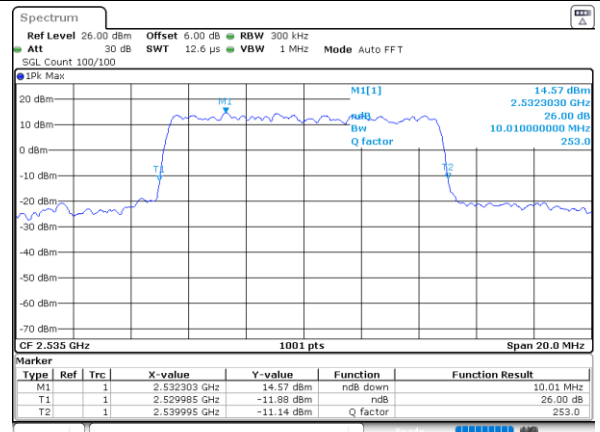
Date: 19.OCT.2022 15:23:06

64QAM



Date: 19.OCT.2022 15:23:44

256QAM

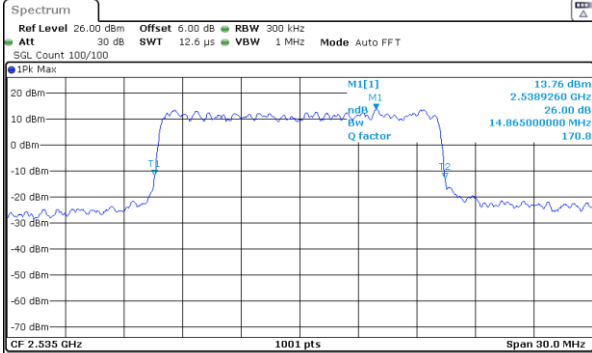


Date: 19.OCT.2022 15:24:17



15M

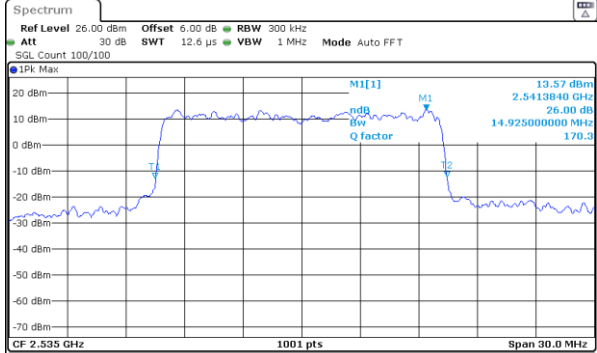
QPSK



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.538926 GHz	13.76 dBm	ndB down	14.955 MHz
T1	1		2.527567 GHz	-11.71 dBm	ndB	26.00 dB
T2	1		2.542433 GHz	-12.73 dBm	Q factor	170.9

Date: 19.OCT.2022 15:38:21

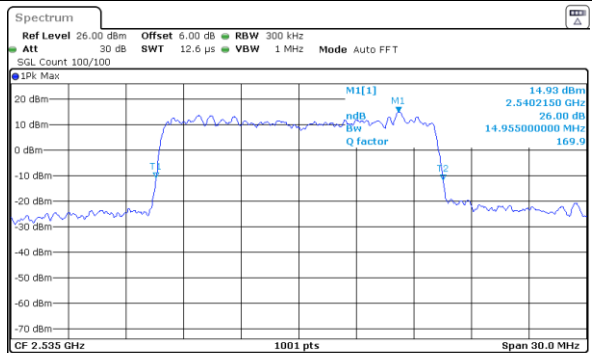
16QAM



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.541384 GHz	13.57 dBm	ndB down	14.925 MHz
T1	1		2.527507 GHz	-12.84 dBm	ndB	26.00 dB
T2	1		2.542433 GHz	-12.16 dBm	Q factor	170.3

Date: 19.OCT.2022 15:38:52

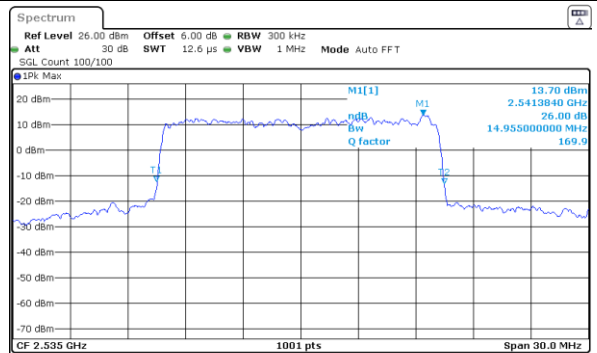
64QAM



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.540215 GHz	14.93 dBm	ndB down	14.955 MHz
T1	1		2.527567 GHz	-10.81 dBm	ndB	26.00 dB
T2	1		2.542522 GHz	-11.58 dBm	Q factor	169.9

Date: 19.OCT.2022 15:39:22

256QAM



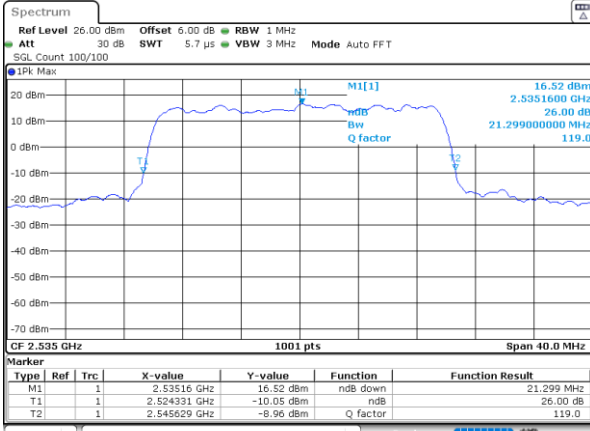
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.541384 GHz	13.70 dBm	ndB down	14.955 MHz
T1	1		2.527507 GHz	-12.17 dBm	ndB	26.00 dB
T2	1		2.542463 GHz	-13.24 dBm	Q factor	169.9

Date: 19.OCT.2022 15:39:47



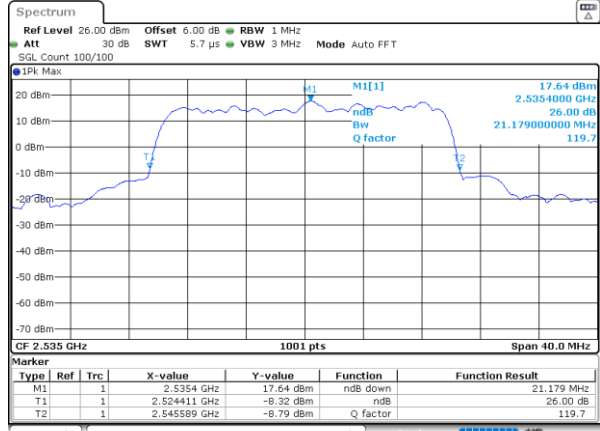
20M

QPSK



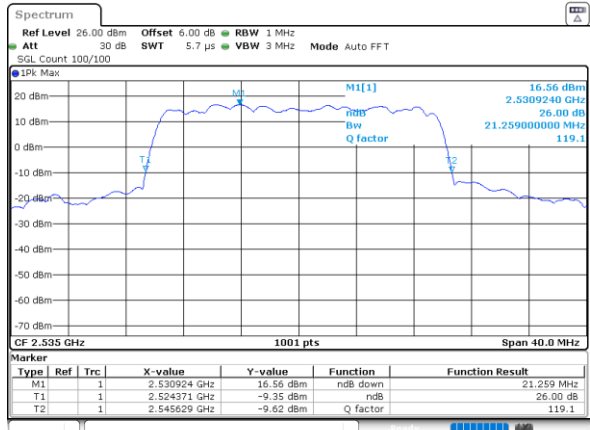
Date: 19.OCT.2022 16:35:47

16QAM



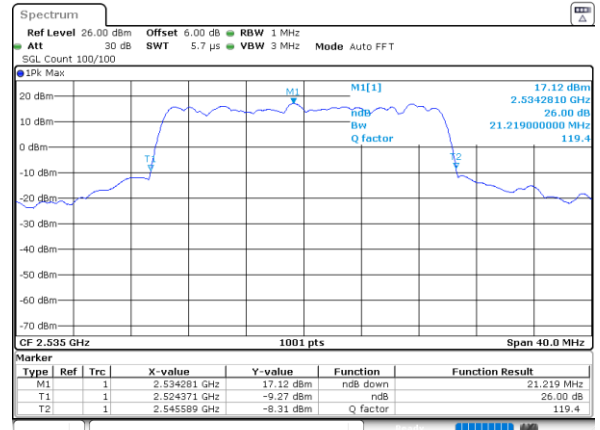
Date: 19.OCT.2022 16:36:05

64QAM



Date: 19.OCT.2022 16:36:27

256QAM

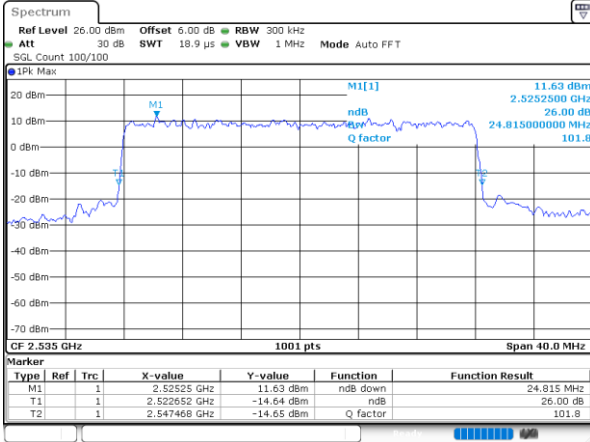


Date: 19.OCT.2022 16:36:54



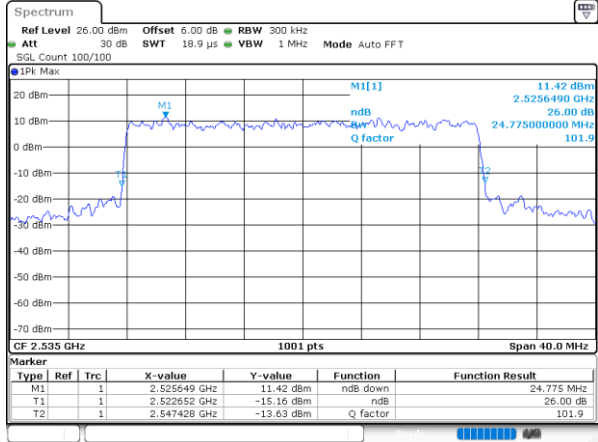
25M

QPSK



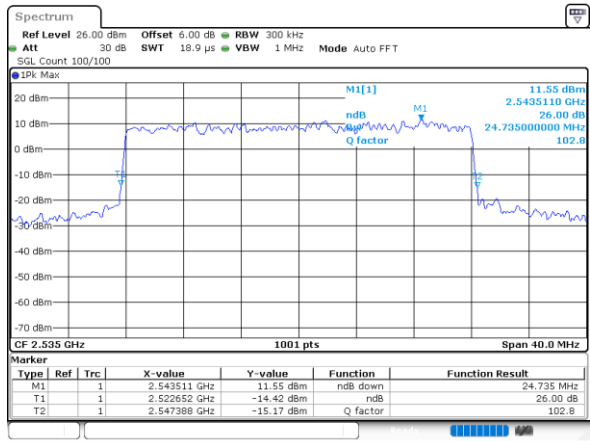
Date: 20.OCT.2022 16:10:42

16QAM



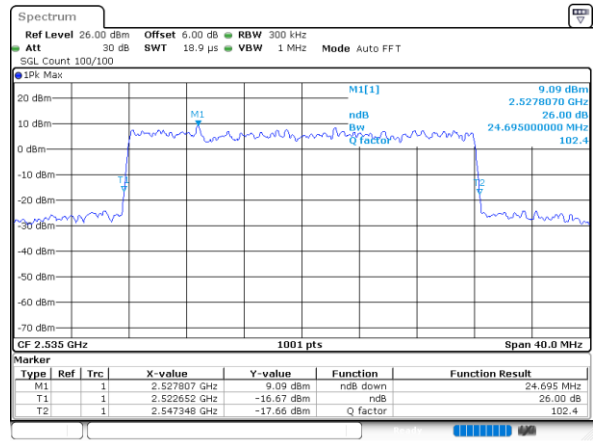
Date: 20.OCT.2022 16:11:19

64QAM



Date: 20.OCT.2022 16:11:44

256QAM

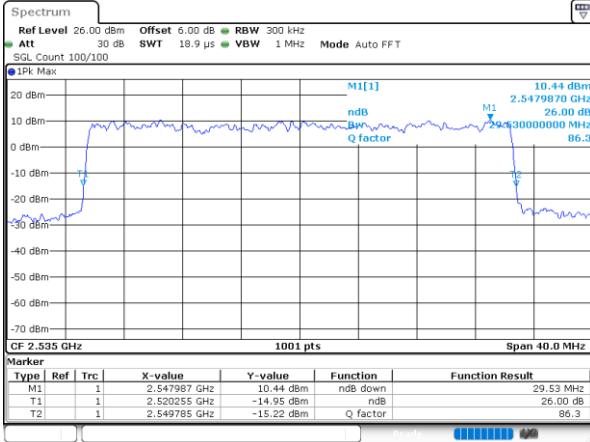


Date: 20.OCT.2022 16:12:05



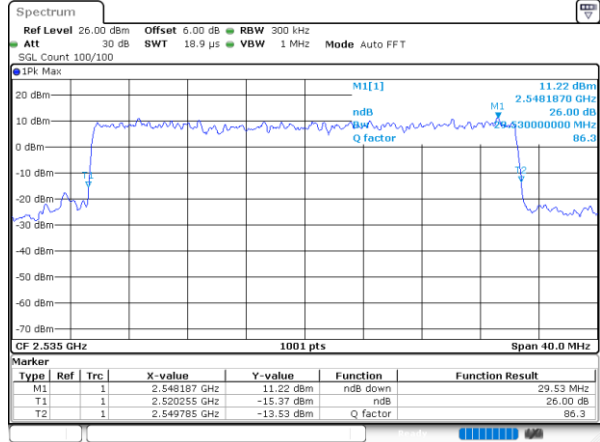
30M

QPSK



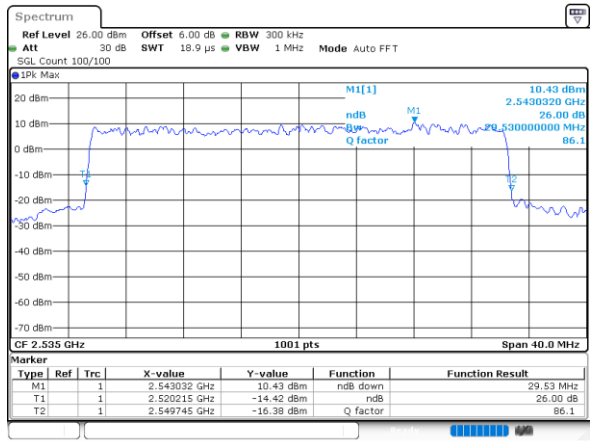
Date: 20.OCT.2022 16:13:11

16QAM



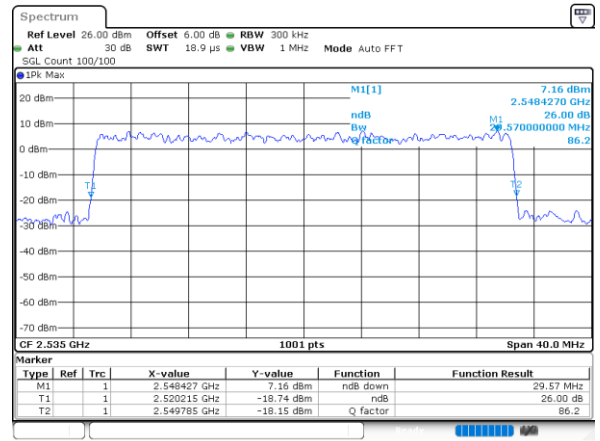
Date: 20.OCT.2022 16:13:32

64QAM



Date: 20.OCT.2022 16:13:07

256QAM

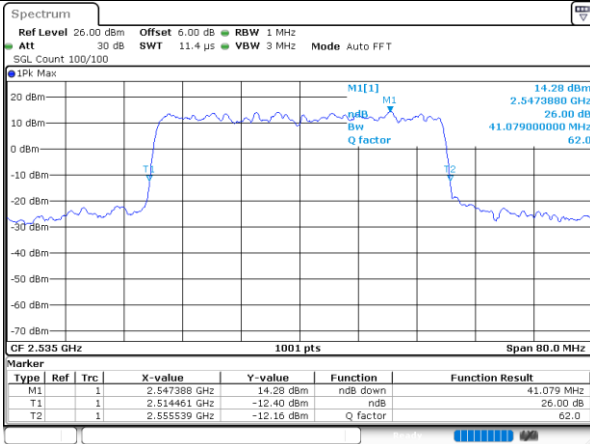


Date: 20.OCT.2022 16:12:43

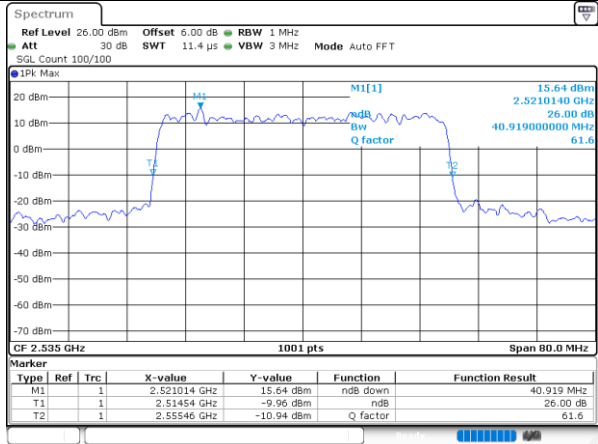


40M

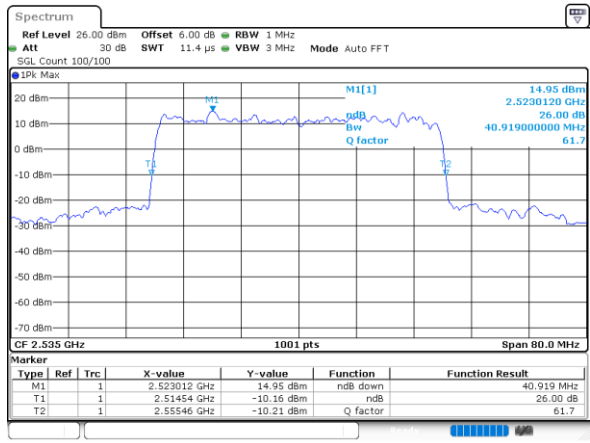
QPSK



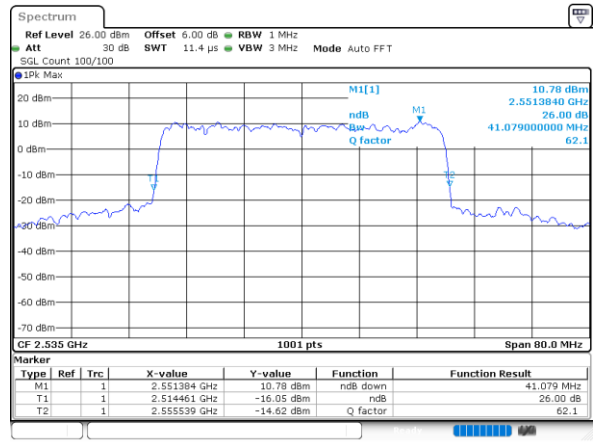
16QAM



64QAM



256QAM





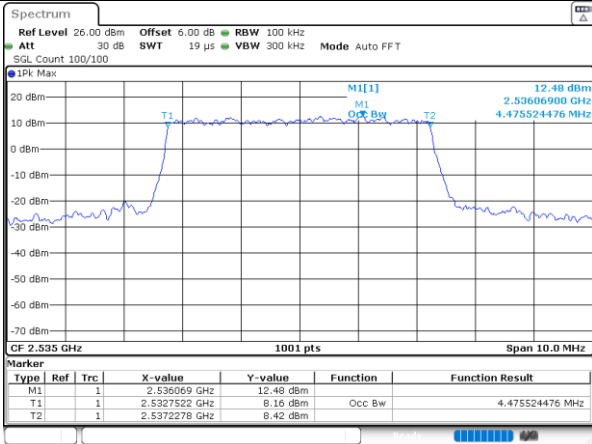
Occupied Bandwidth

Mode	FR1 n7 : 99%OBW (MHz) / DFT-S OFDM			
BW	5M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	4.48	4.48	4.48	4.49
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.35	9.41	9.35	9.31
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.15	14.12	14.15	14.18
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.38	19.46	19.66	19.54
BW	25M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	23.78	23.78	23.74	23.78
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.53	28.57	28.49	28.65
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	38.76	38.92	38.76	38.92



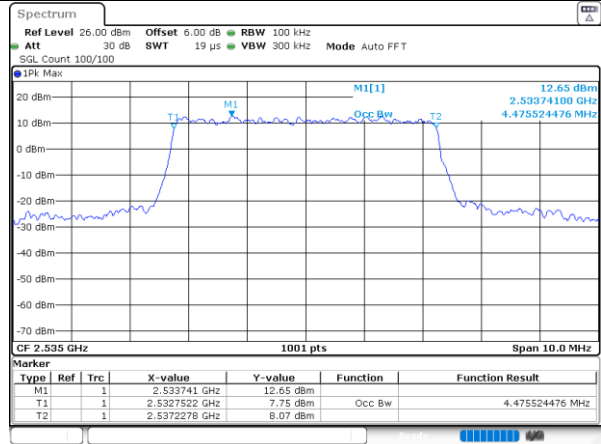
5M

QPSK



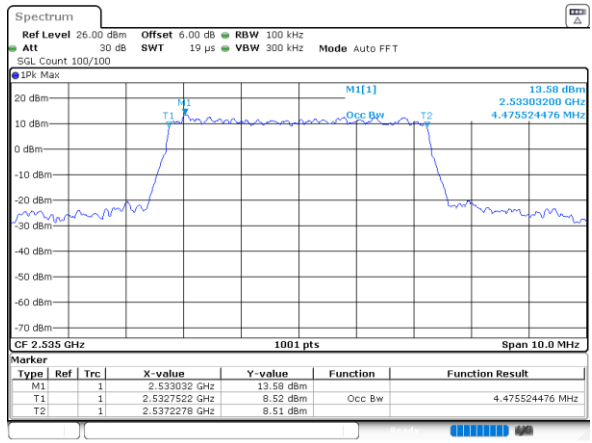
Date: 19.OCT.2022 14:40:04

16QAM



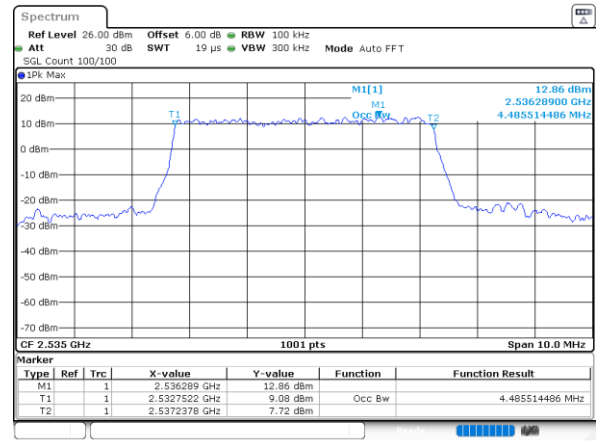
Date: 19.OCT.2022 14:40:24

64QAM



Date: 19.OCT.2022 14:40:53

256QAM

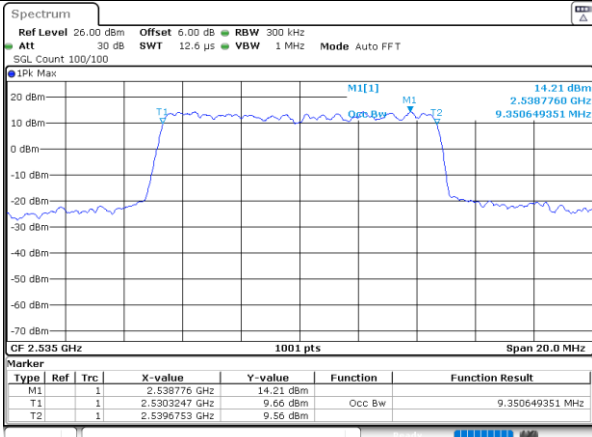


Date: 19.OCT.2022 14:41:17



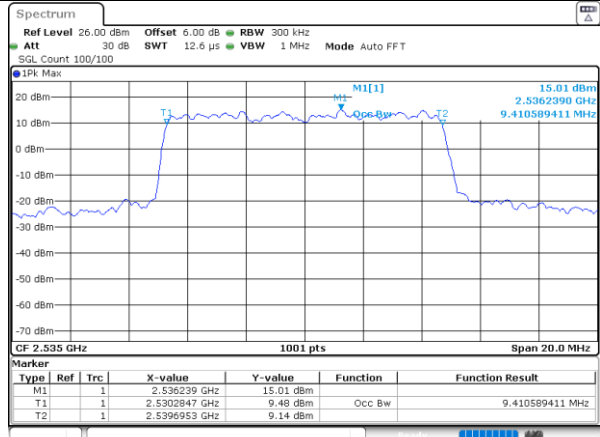
10M

QPSK



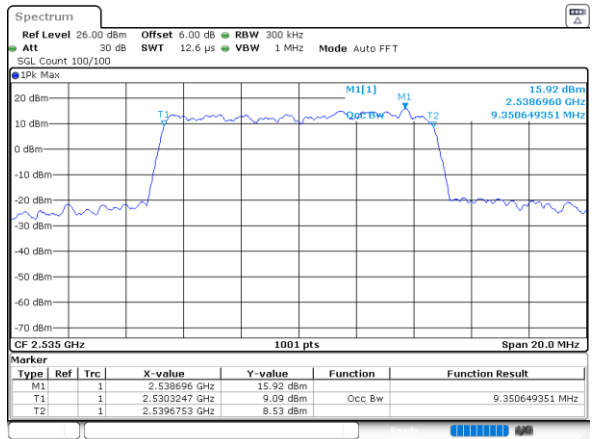
Date: 19.OCT.2022 15:21:31

16QAM



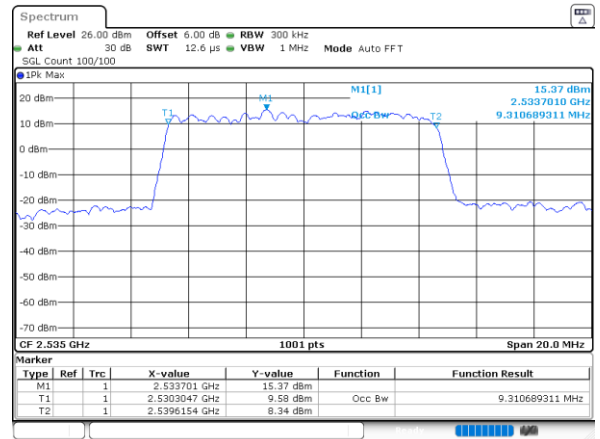
Date: 19.OCT.2022 15:21:52

64QAM



Date: 19.OCT.2022 15:23:35

256QAM

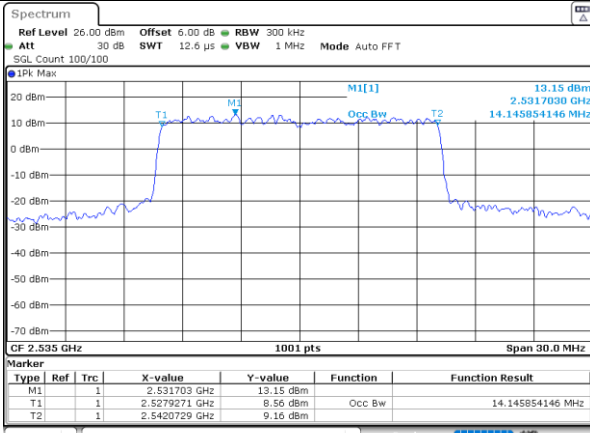


Date: 19.OCT.2022 15:24:01



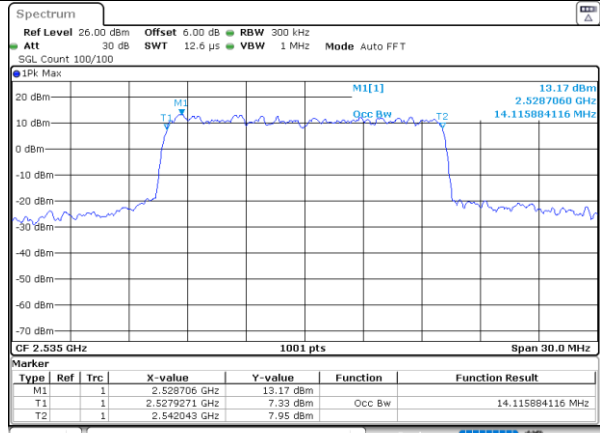
15M

QPSK



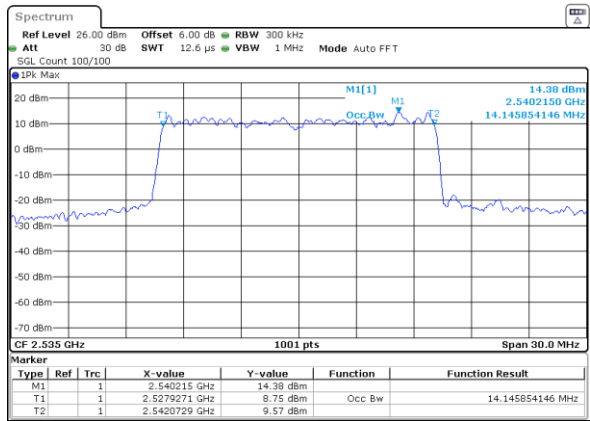
Date: 19.OCT.2022 15:38:11

16QAM



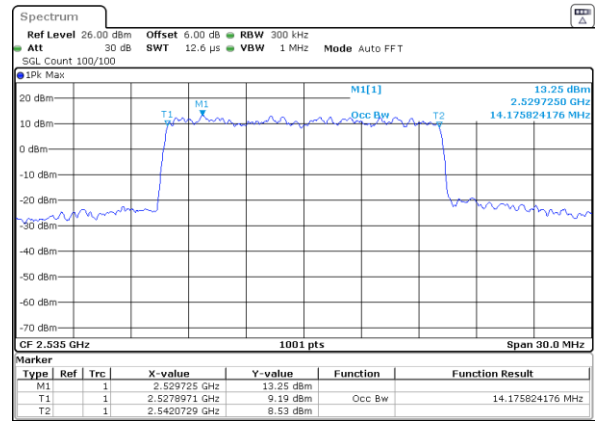
Date: 19.OCT.2022 15:38:42

64QAM



Date: 19.OCT.2022 15:39:05

256QAM

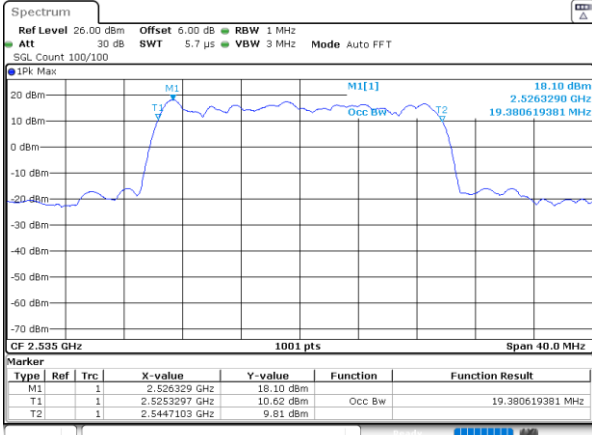


Date: 19.OCT.2022 15:39:38

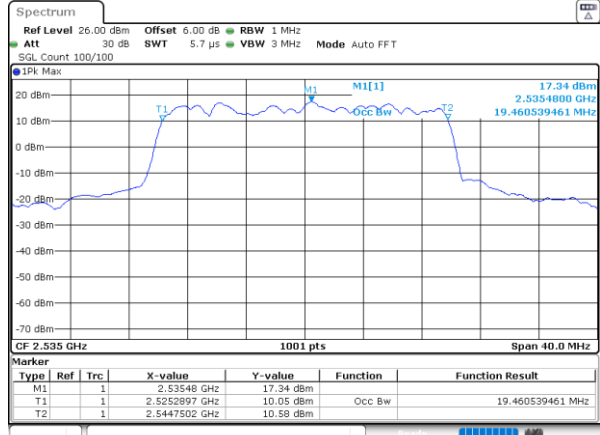


20M

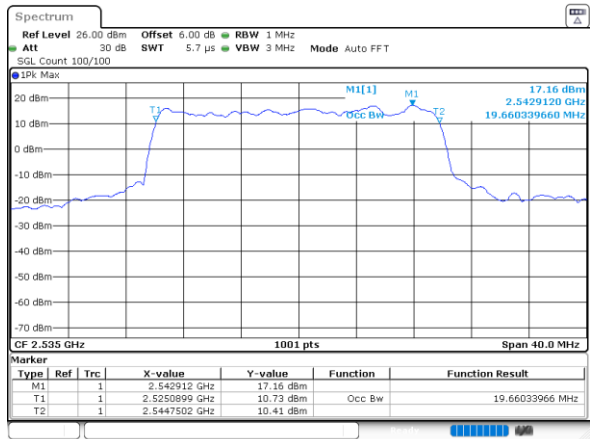
QPSK



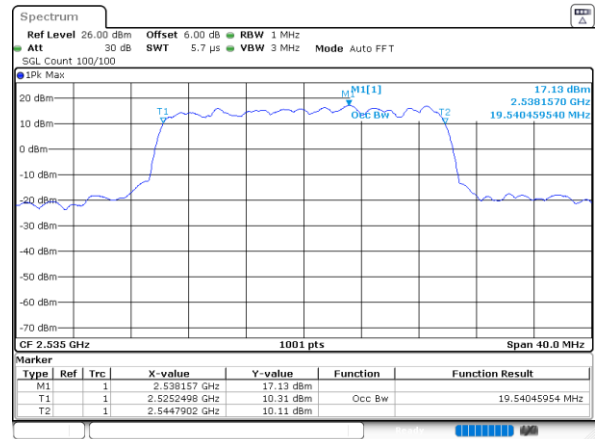
16QAM



64QAM



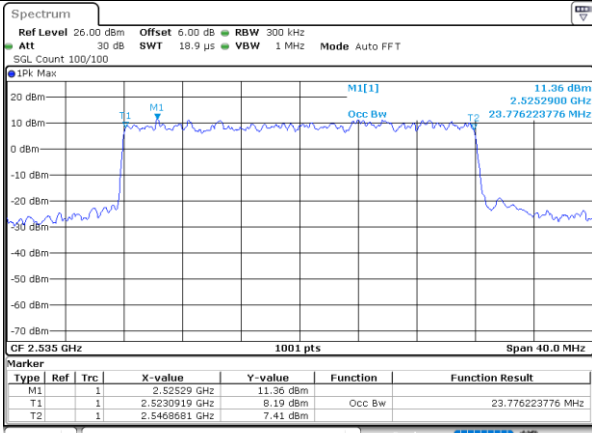
256QAM





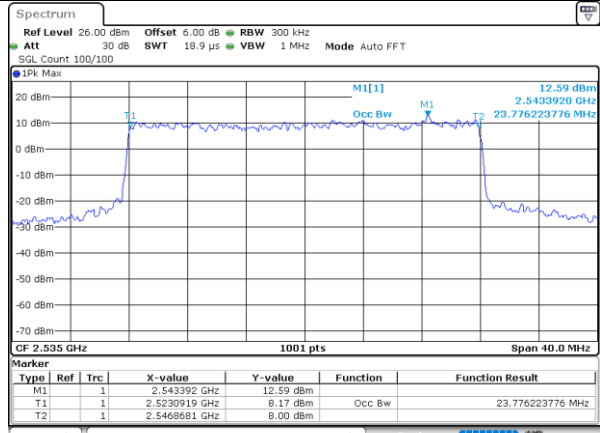
25M

QPSK



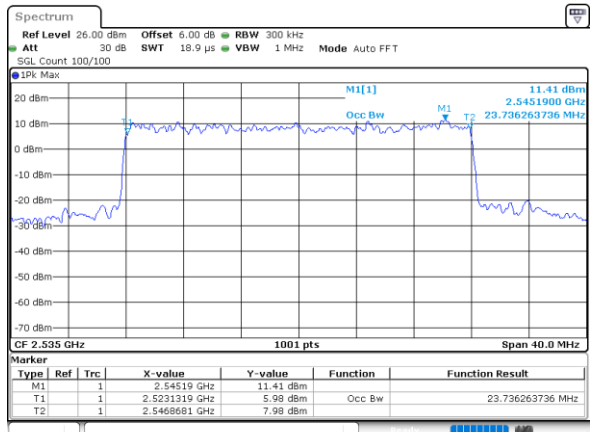
Date: 20.OCT.2022 16:10:33

16QAM



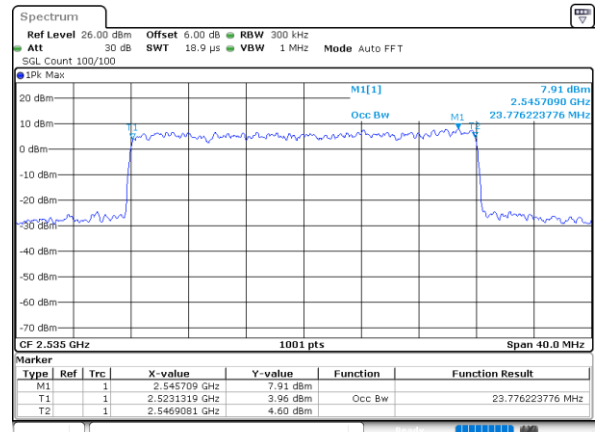
Date: 20.OCT.2022 16:11:10

64QAM



Date: 20.OCT.2022 16:11:24

256QAM

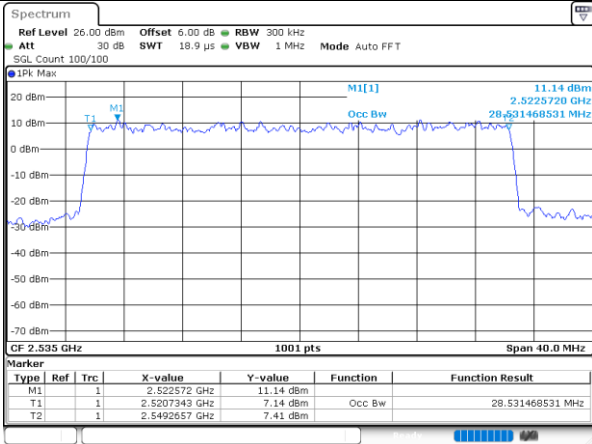


Date: 20.OCT.2022 16:11:57



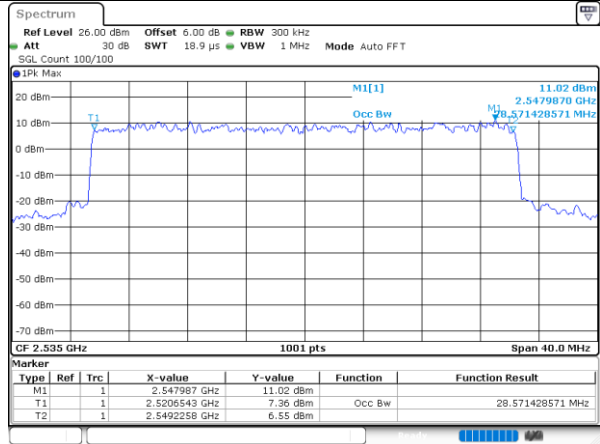
30M

QPSK



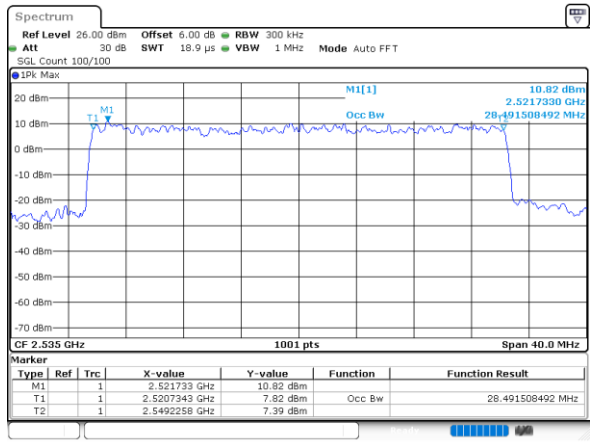
Date: 20.OCT.2022 16:13:43

16QAM



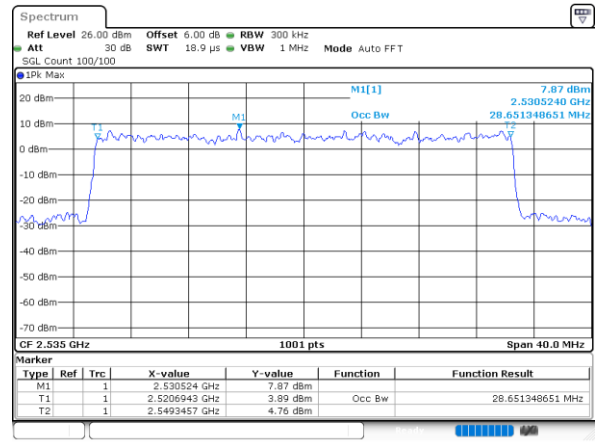
Date: 20.OCT.2022 16:13:24

64QAM



Date: 20.OCT.2022 16:12:59

256QAM

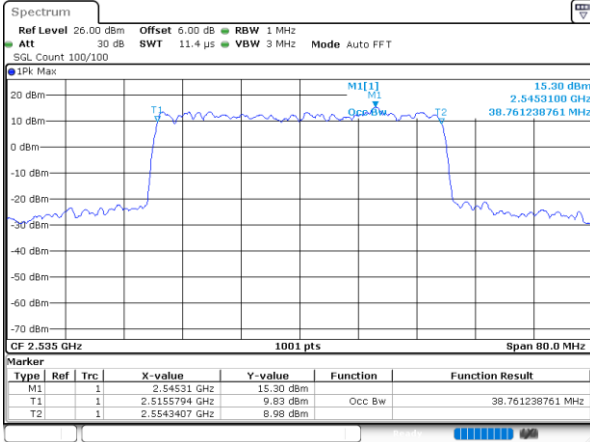


Date: 20.OCT.2022 16:12:35



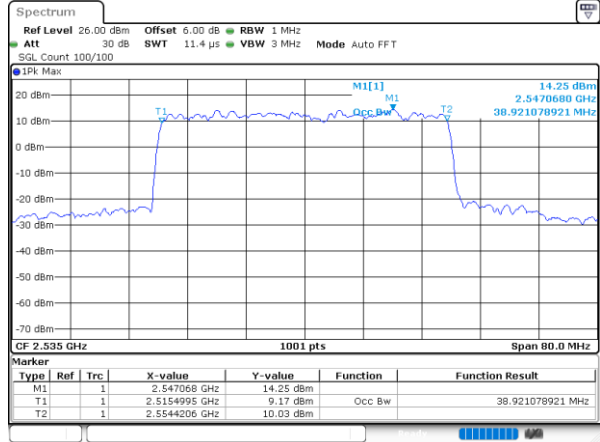
40M

QPSK



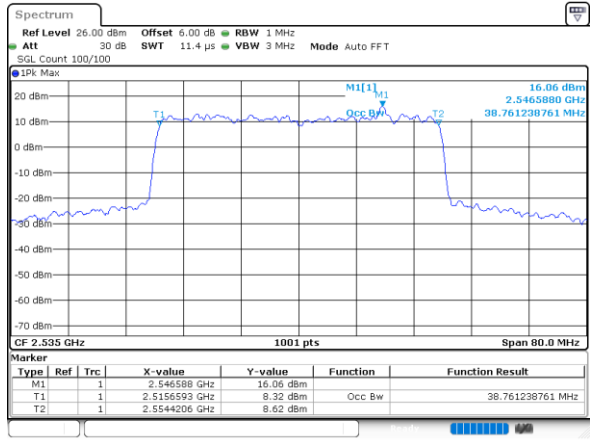
Date: 20.OCT.2022 16:14:26

16QAM



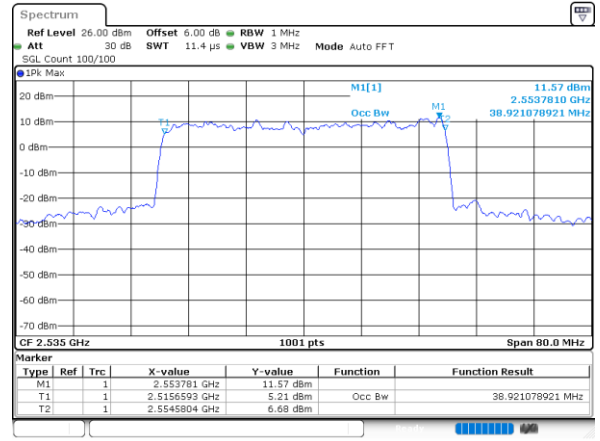
Date: 20.OCT.2022 16:15:11

64QAM



Date: 20.OCT.2022 16:15:25

256QAM



Date: 20.OCT.2022 16:15:58

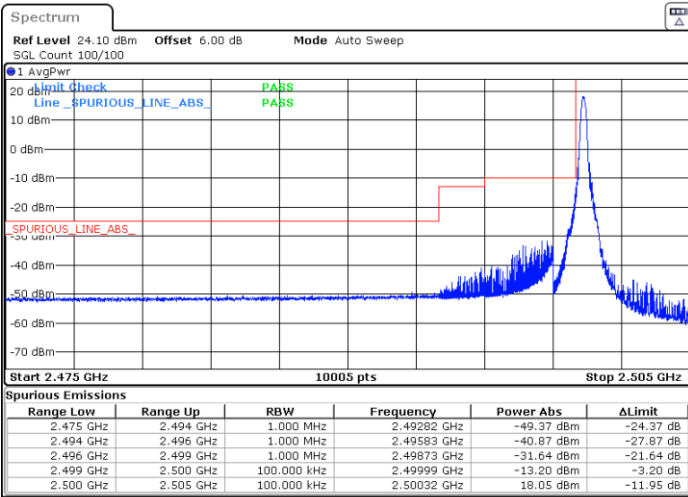


Conducted Band Edge

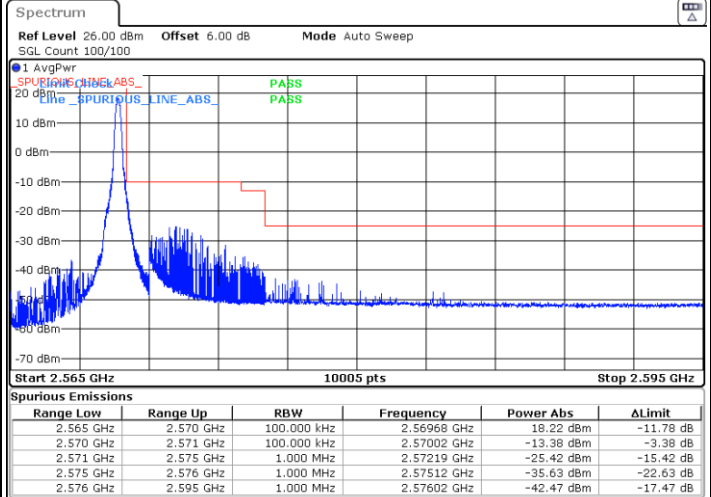
FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



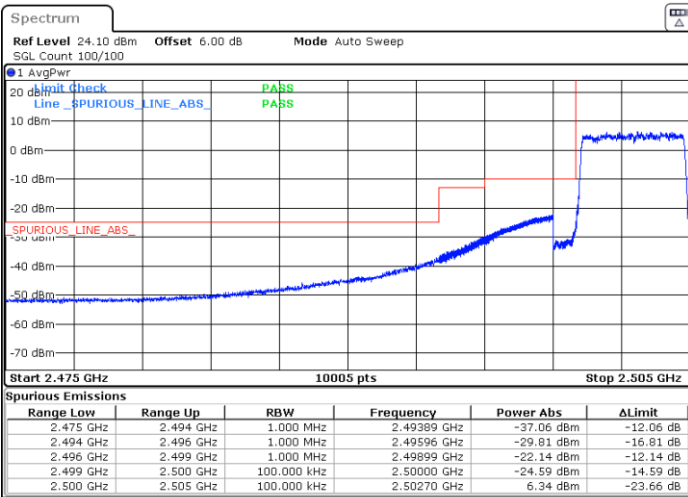
Date: 19.OCT.2022 14:28:54



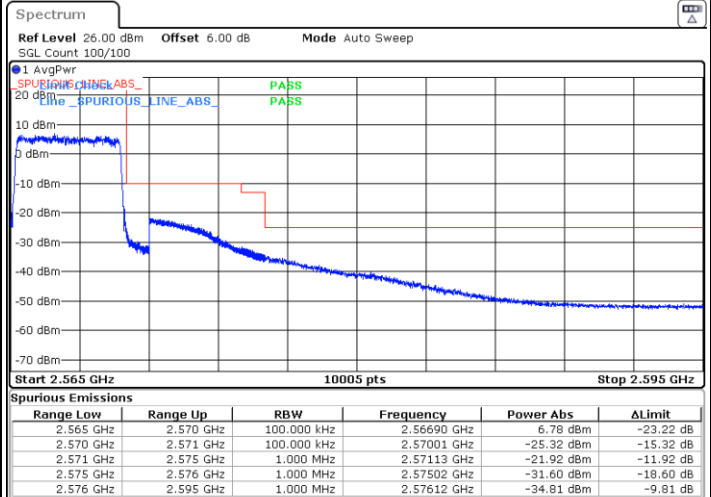
Date: 19.OCT.2022 15:01:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2022 14:33:51



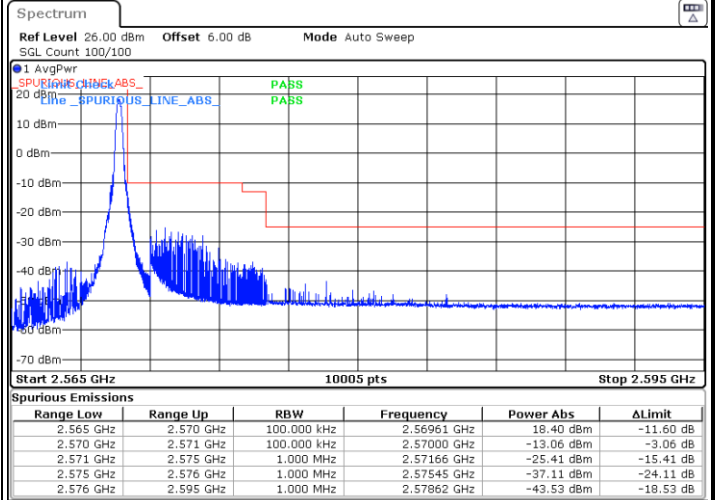
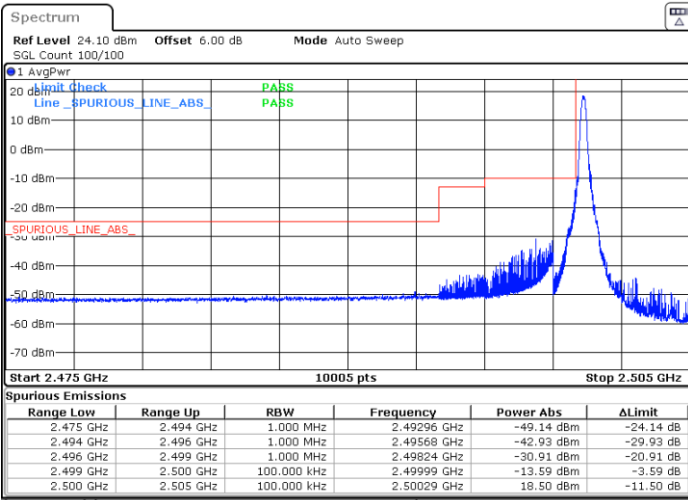
Date: 19.OCT.2022 14:59:17



FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

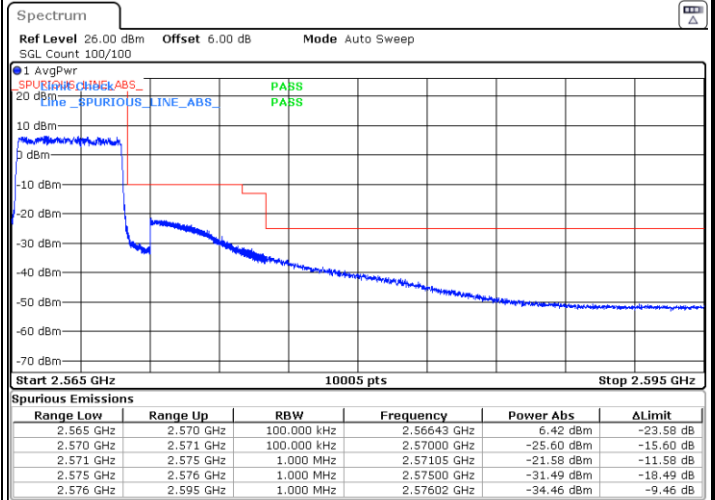
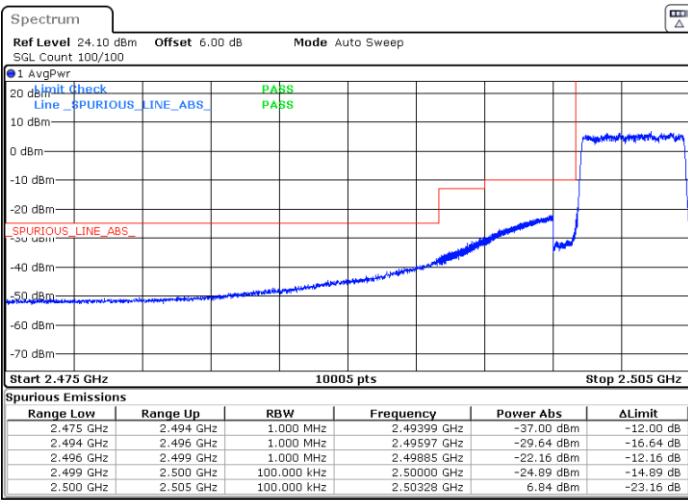


Date: 19.OCT.2022 14:29:27

Date: 19.OCT.2022 15:00:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2022 14:36:42

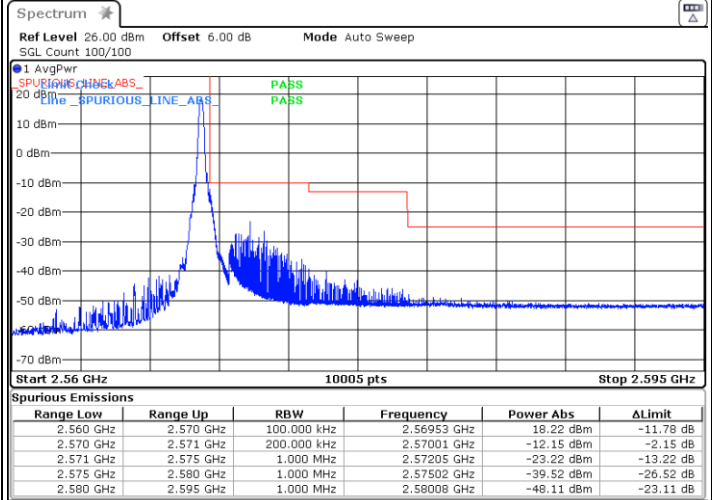
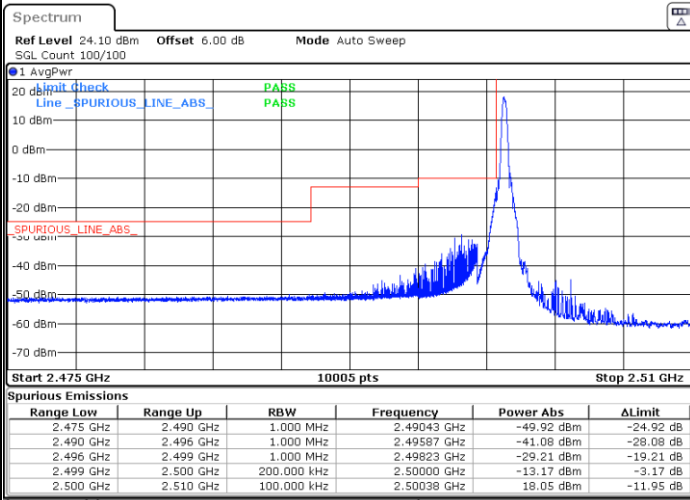
Date: 19.OCT.2022 15:00:16



FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

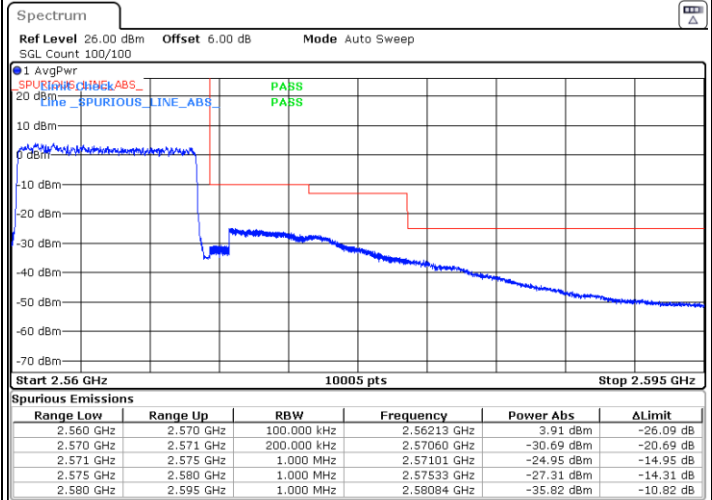
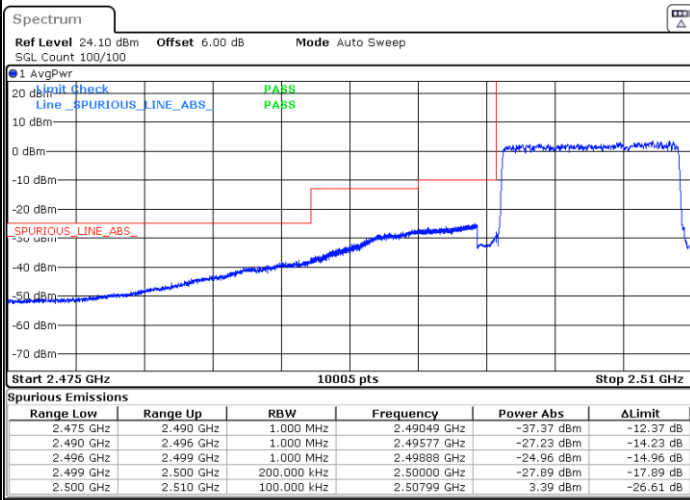


Date: 19.OCT.2022 15:02:57

Date: 19.OCT.2022 15:33:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2022 15:08:28

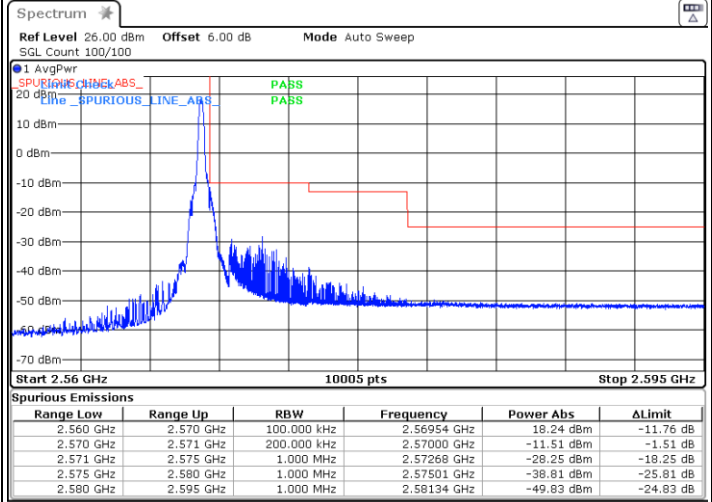
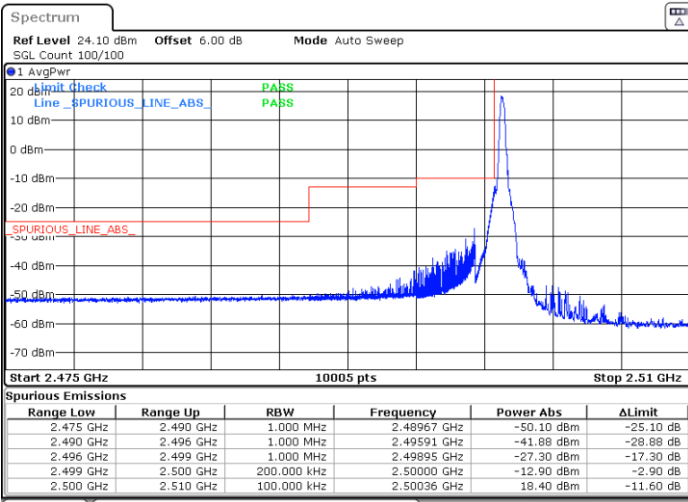
Date: 19.OCT.2022 15:27:37



FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

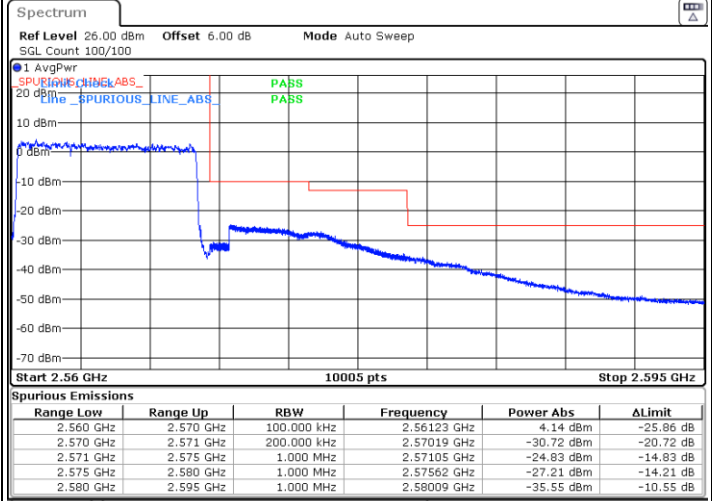
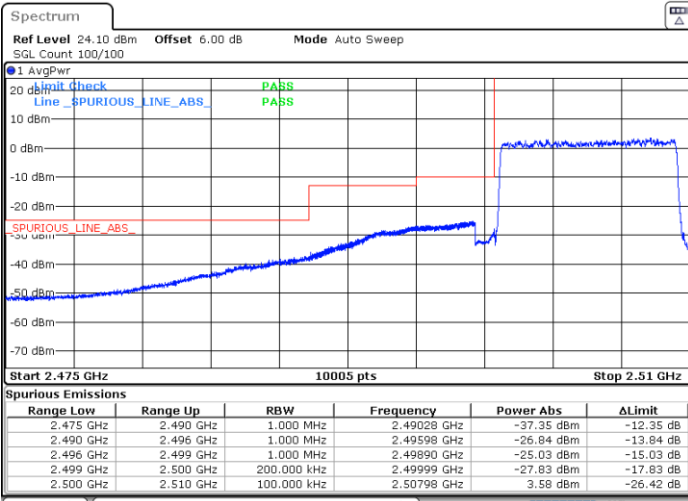


Date: 19.OCT.2022 15:04:23

Date: 19.OCT.2022 17:37:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2022 15:06:34

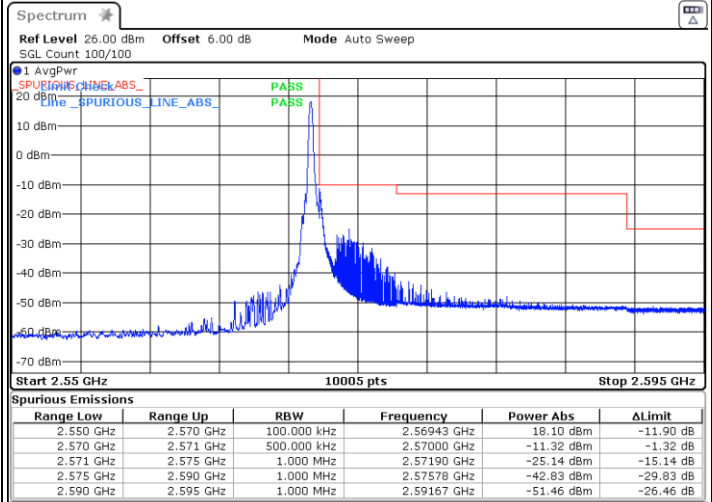
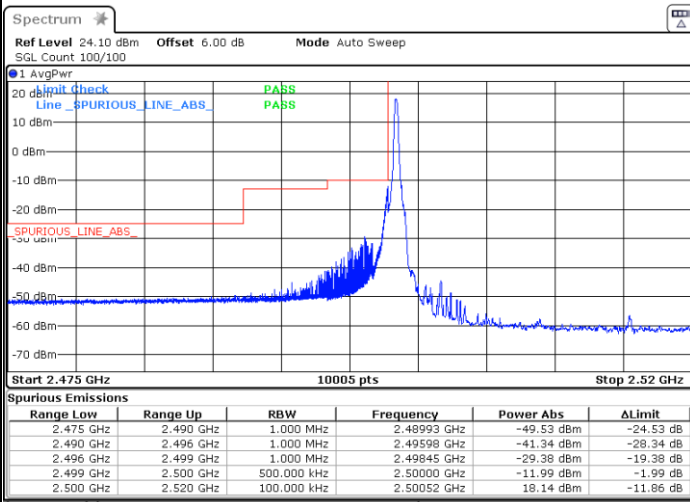
Date: 19.OCT.2022 15:31:00



FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

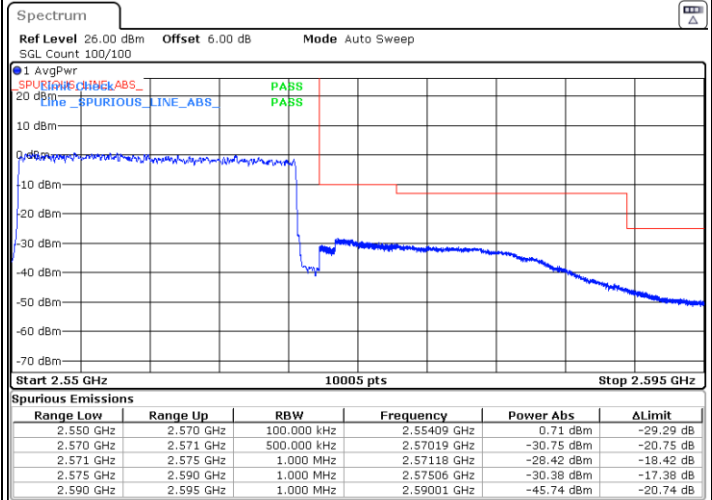
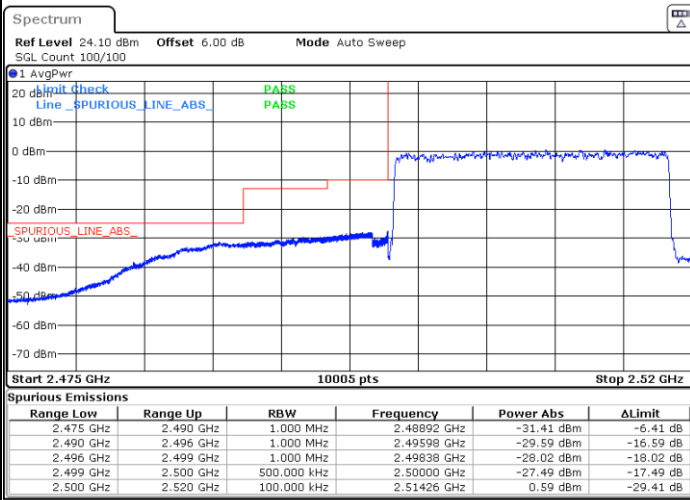


Date: 19.OCT.2022 15:48:21

Date: 19.OCT.2022 16:42:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2022 16:33:35

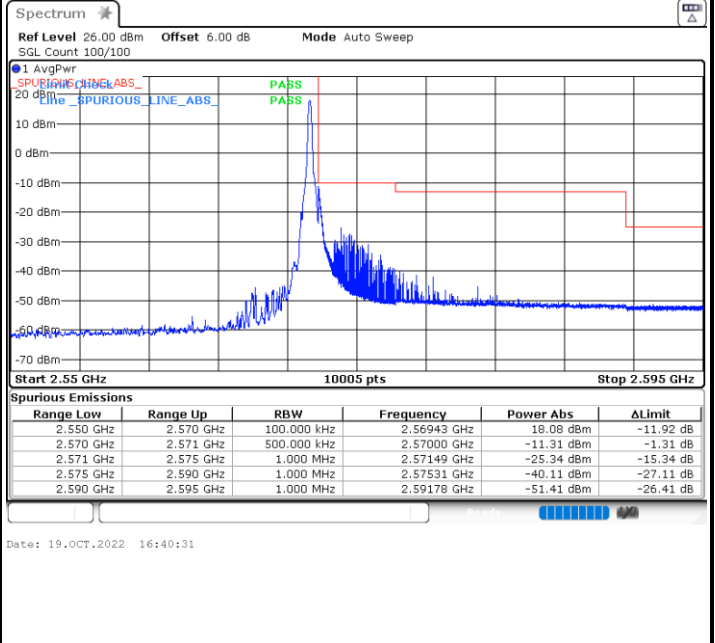
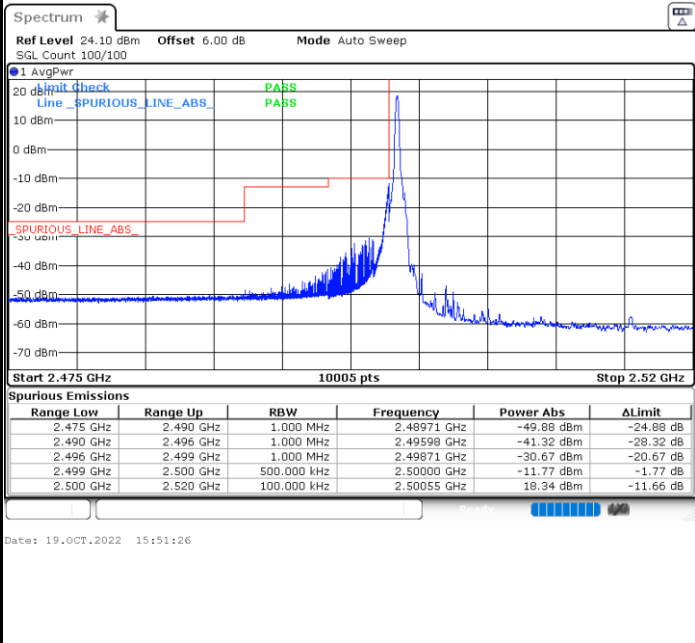
Date: 19.OCT.2022 16:37:44



FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

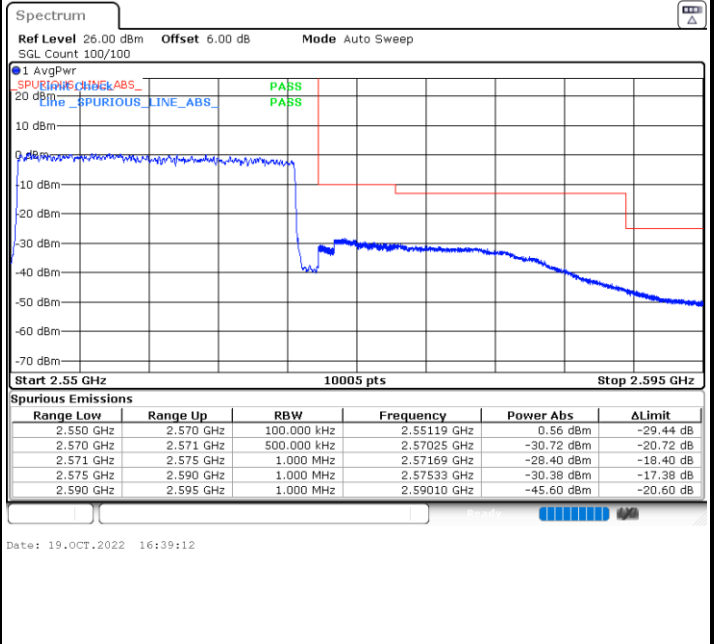
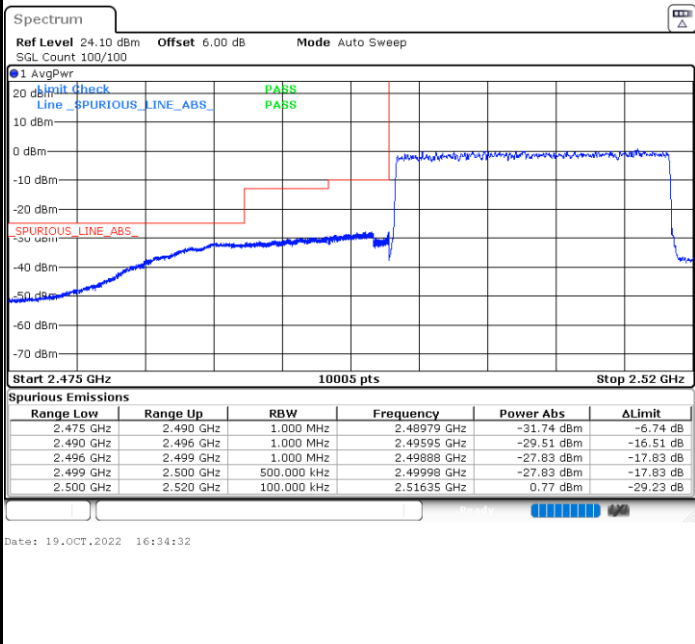
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

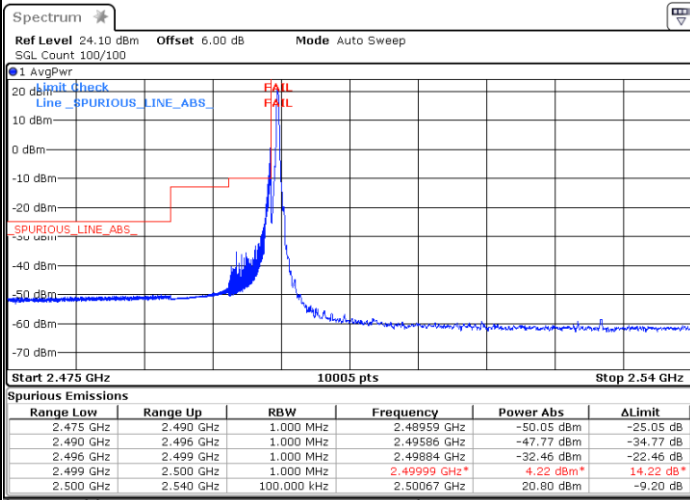




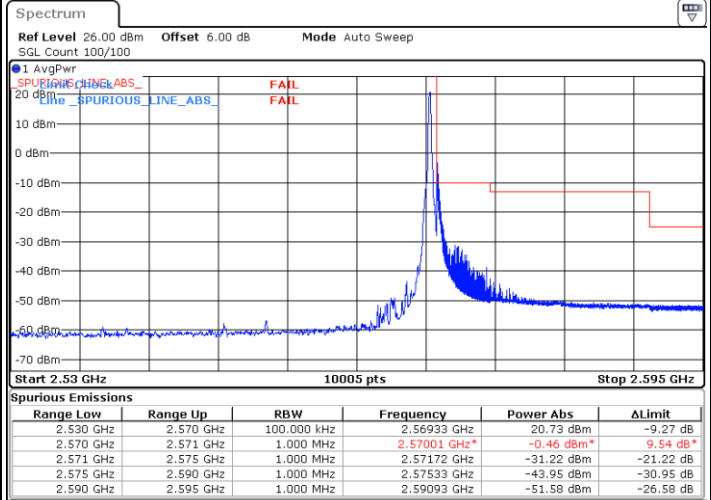
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

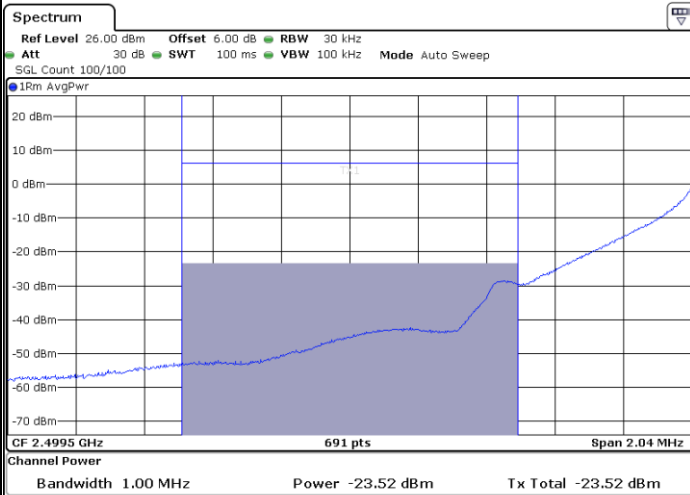
Highest Band Edge / 1RBMAX



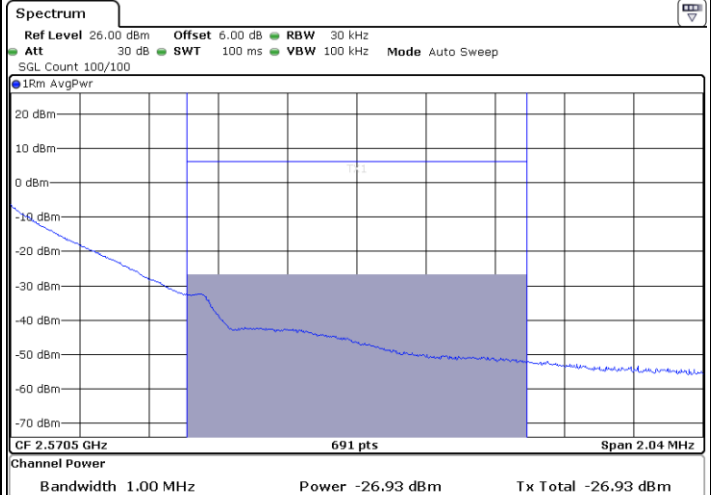
Date: 20.OCT.2022 16:17:22



Date: 20.OCT.2022 16:23:26



Date: 20.OCT.2022 16:21:09



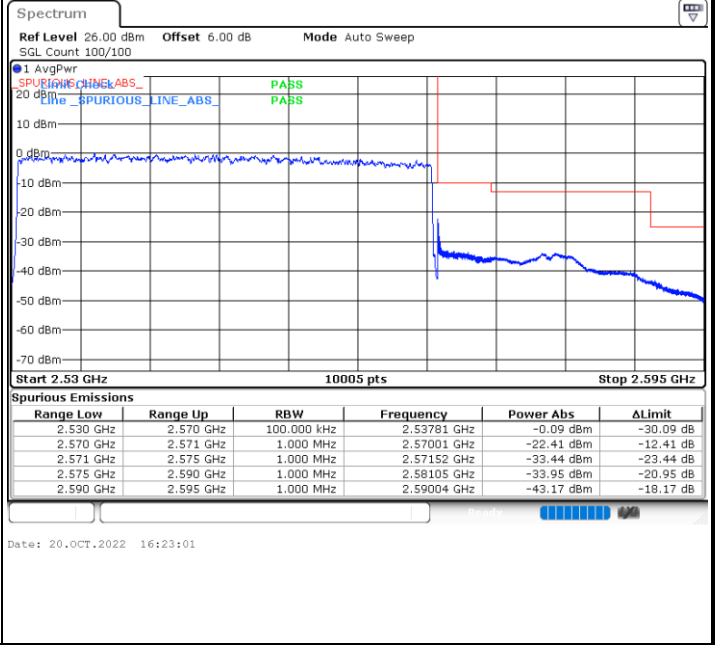
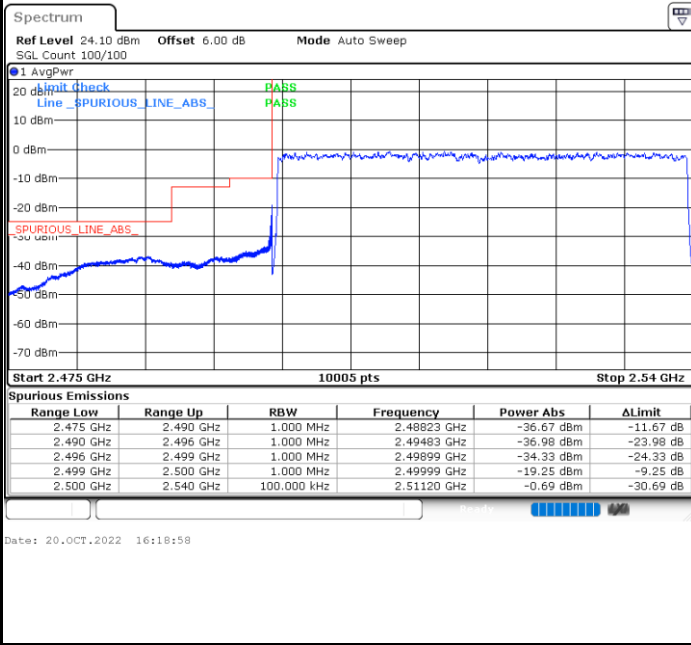
Date: 20.OCT.2022 16:25:44



FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

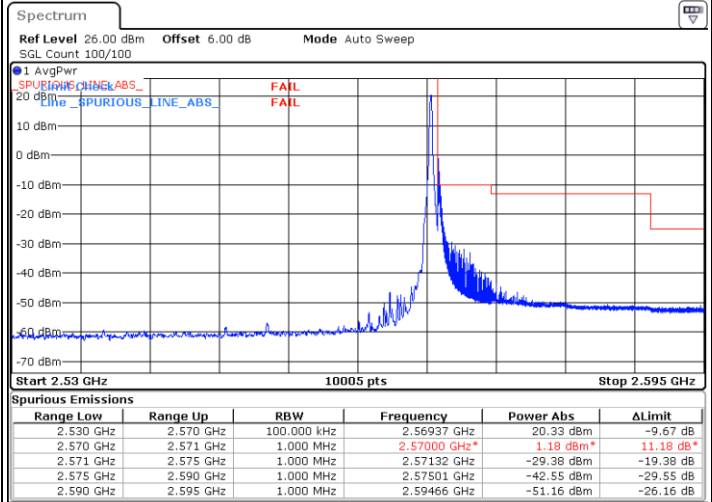
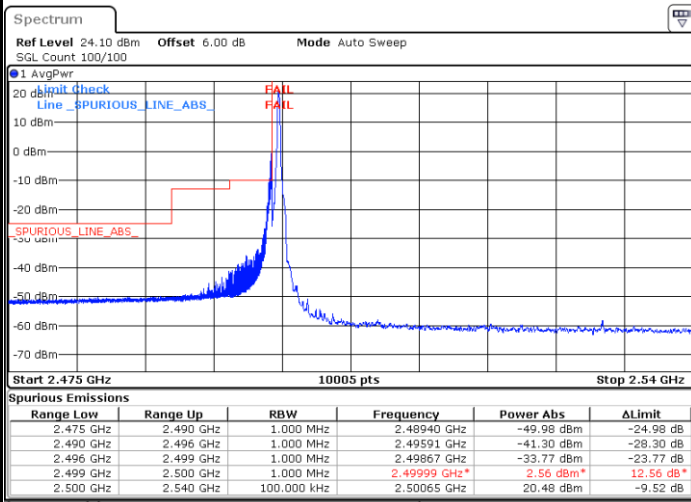




FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

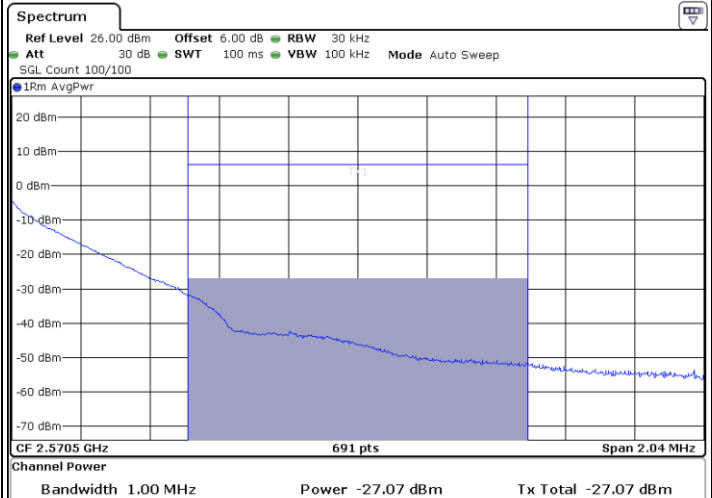
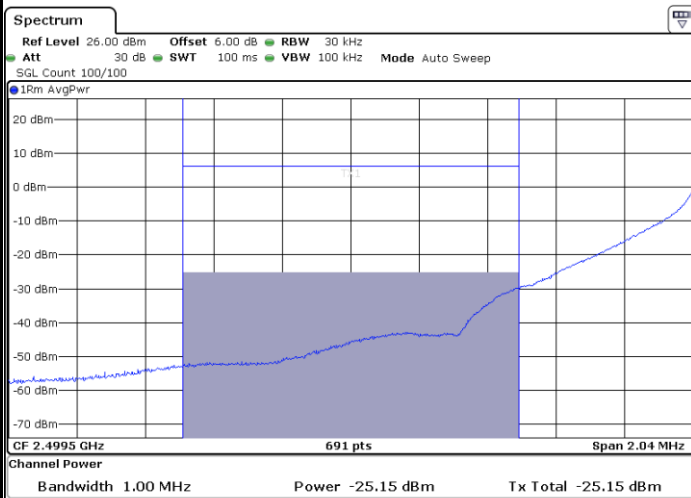
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



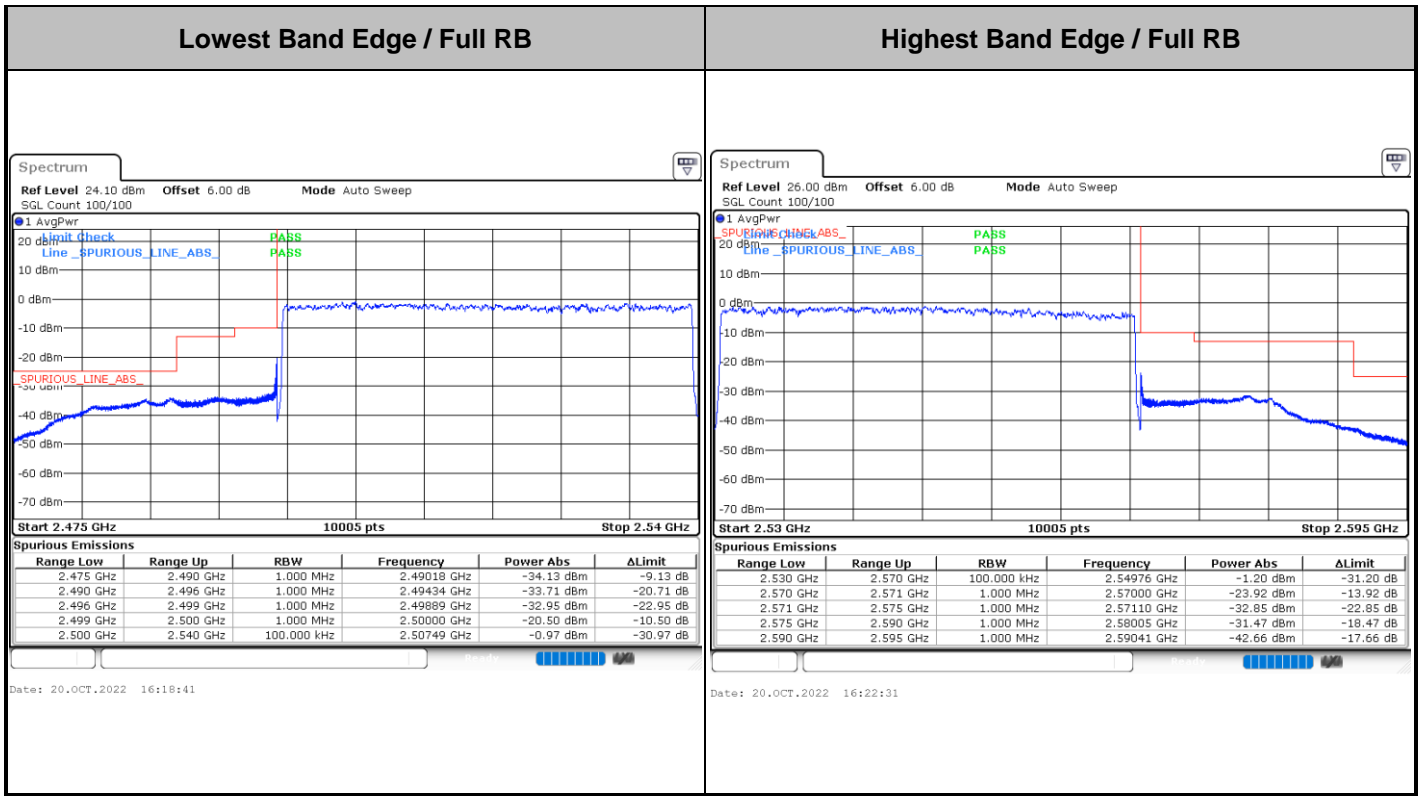
Date: 20.OCT.2022 16:18:23

Date: 20.OCT.2022 16:23:44



Date: 20.OCT.2022 16:21:47

Date: 20.OCT.2022 16:25:15



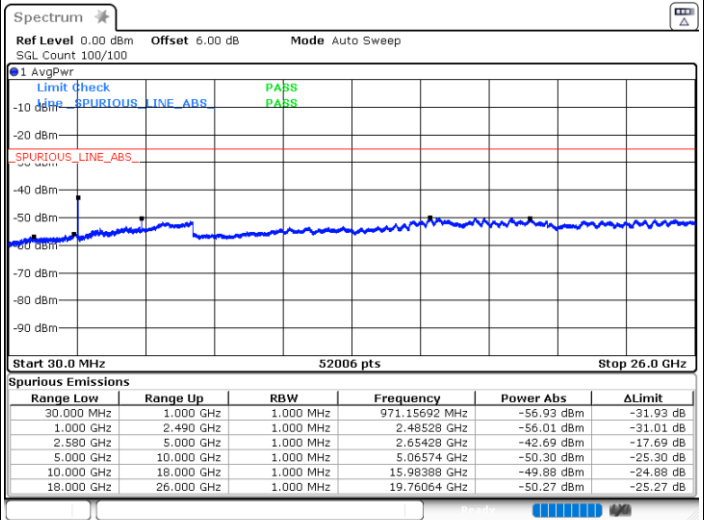
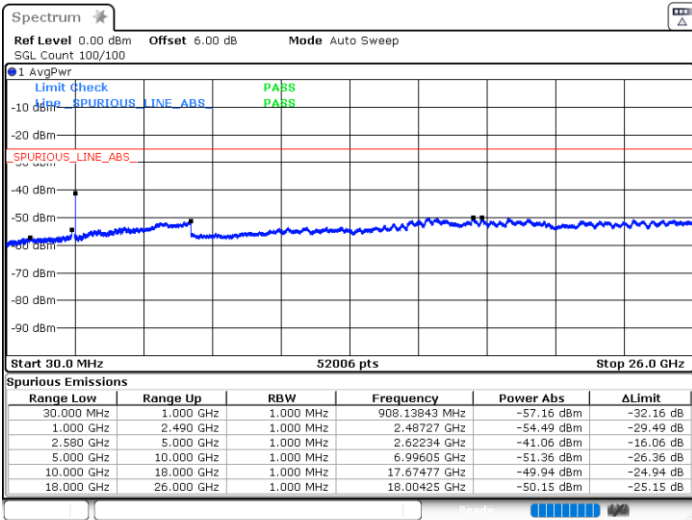


Conducted Spurious Emission

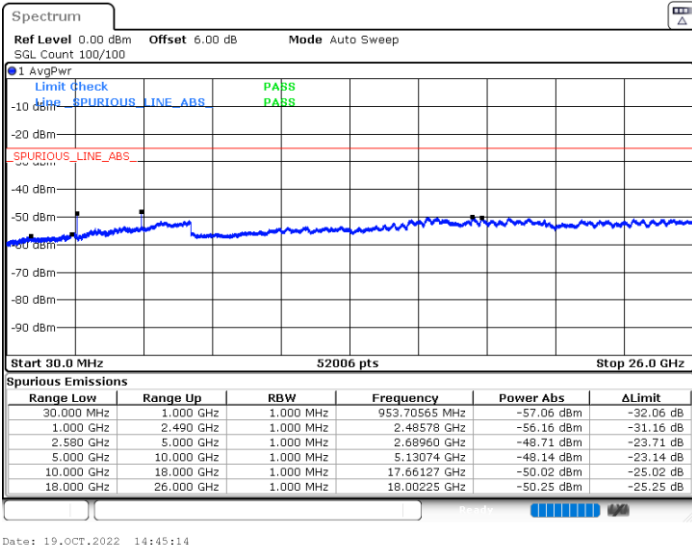
FR1 n7 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1



Highest Channel / 1RB1

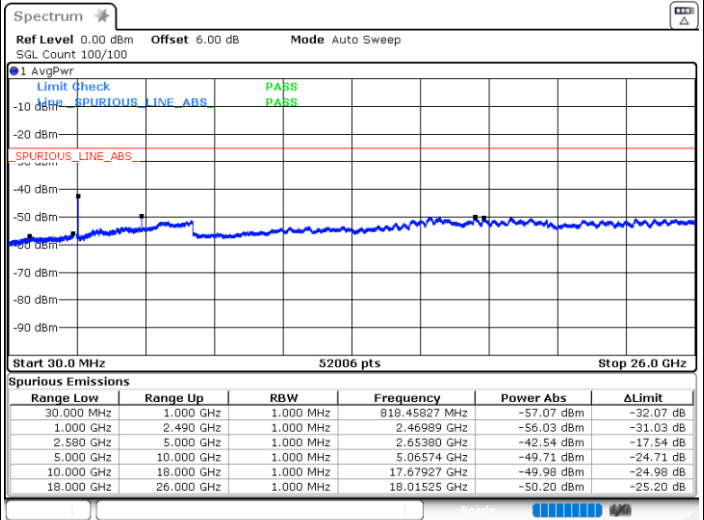
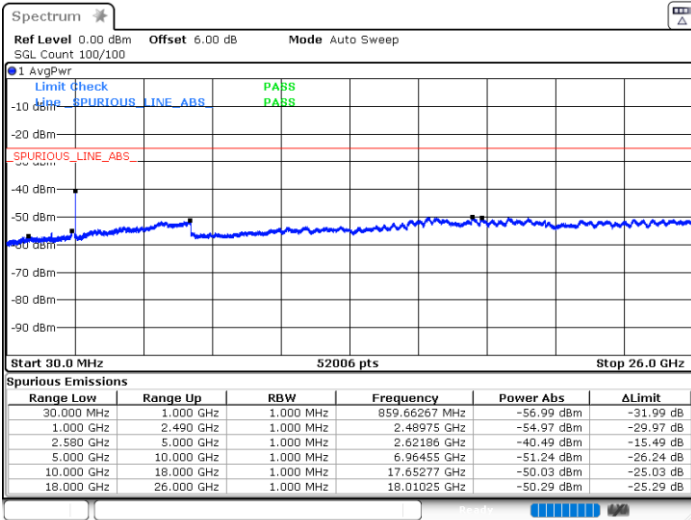




FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

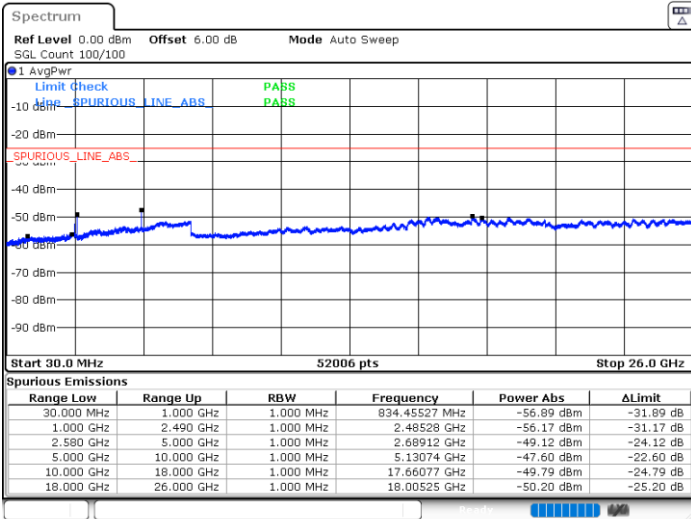
Middle Channel / 1RB1



Date: 19.OCT.2022 14:31:28

Date: 19.OCT.2022 14:38:23

Highest Channel / 1RB1



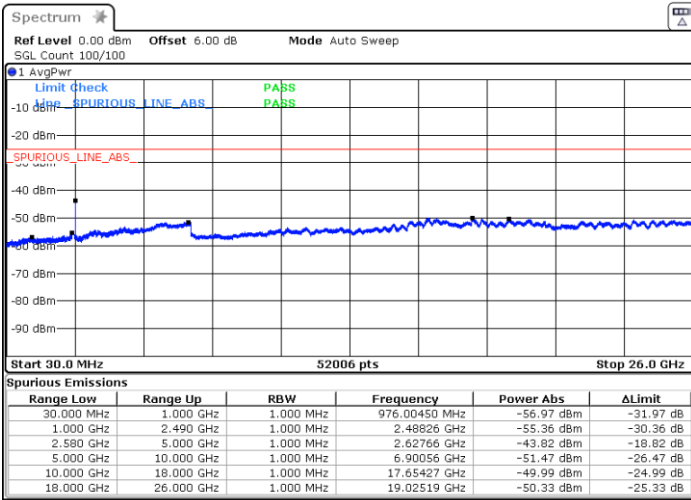
Date: 19.OCT.2022 14:57:37



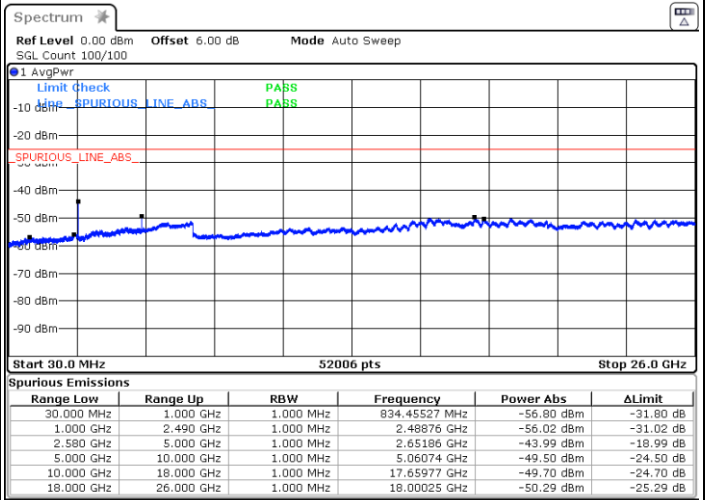
FR1 n7 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

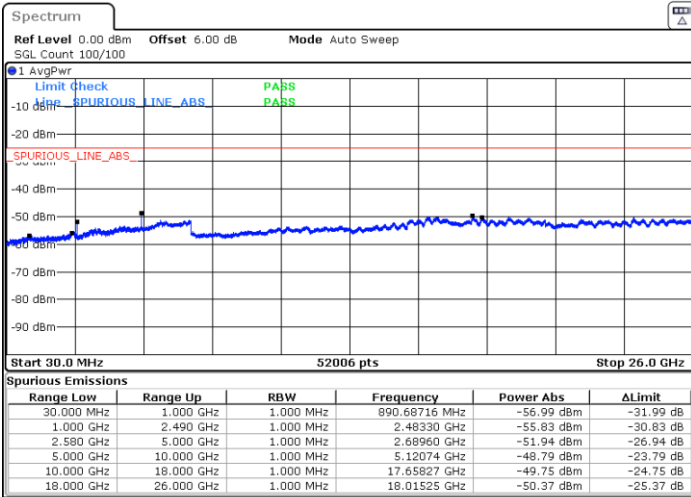


Date: 19.OCT.2022 15:11:29



Date: 19.OCT.2022 15:20:47

Highest Channel / 1RB1



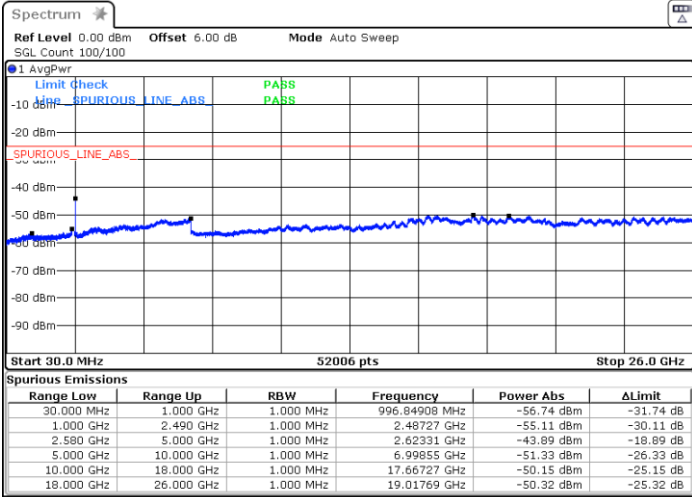
Date: 19.OCT.2022 15:34:57



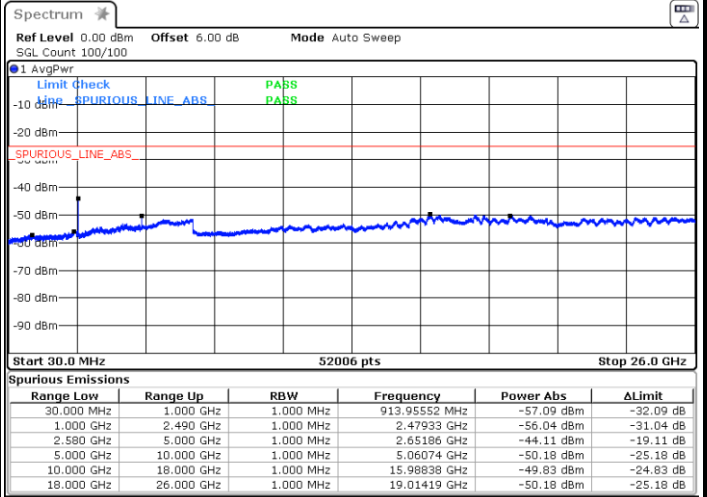
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

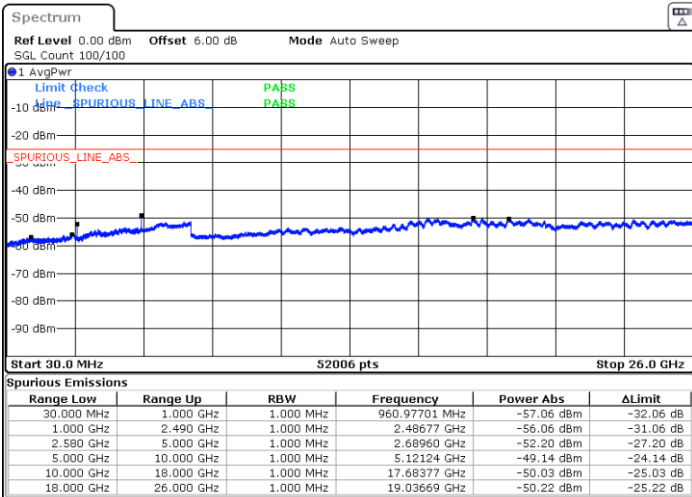


Date: 19.OCT.2022 15:14:52



Date: 19.OCT.2022 15:18:46

Highest Channel / 1RB1



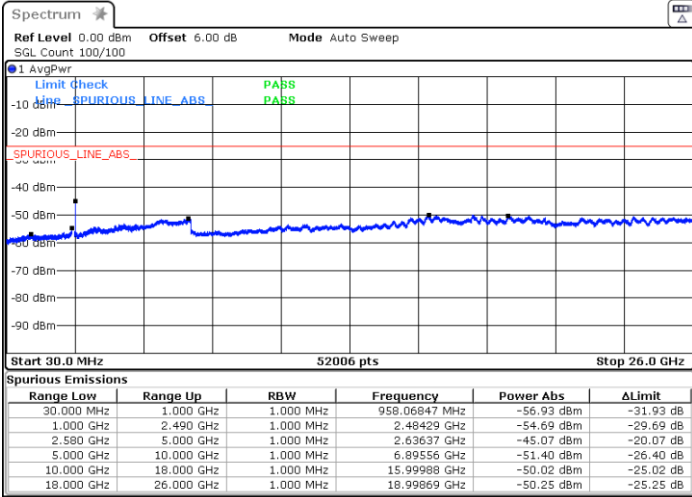
Date: 19.OCT.2022 15:36:15



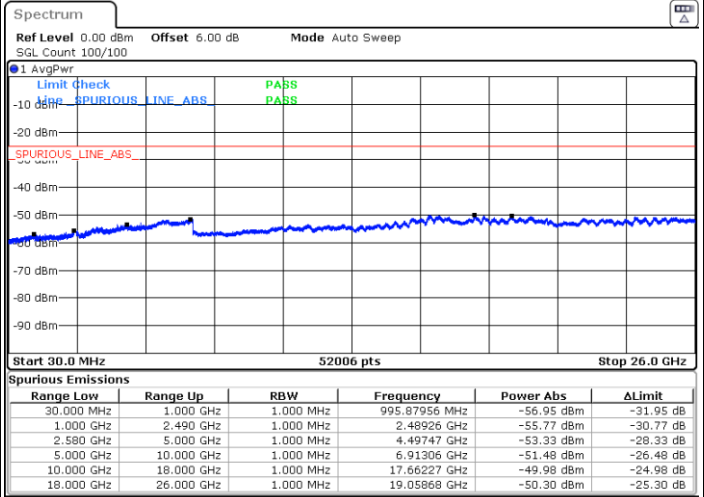
FR1 n7 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

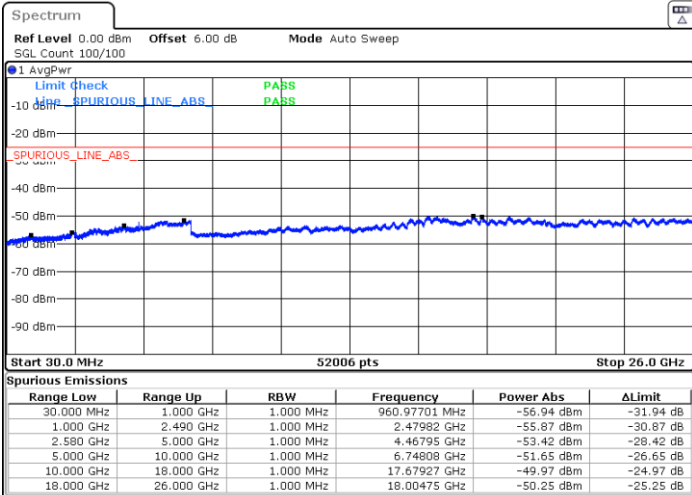


Date: 19.OCT.2022 16:32:54



Date: 19.OCT.2022 20:14:31

Highest Channel / 1RB1



Date: 19.OCT.2022 20:17:26