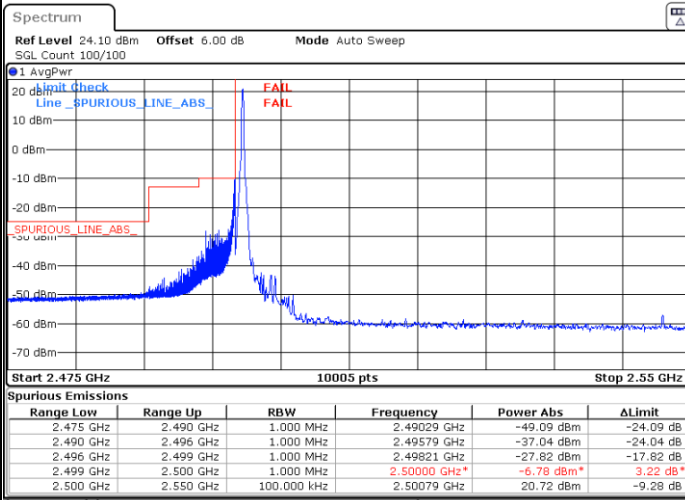




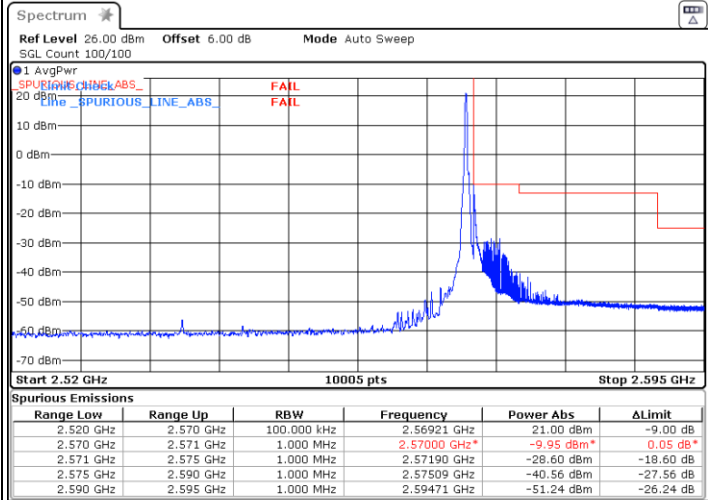
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

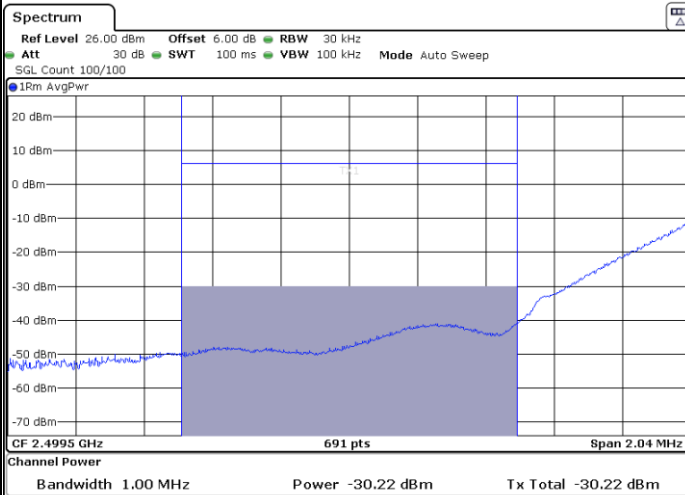
Highest Band Edge / 1RBMAX



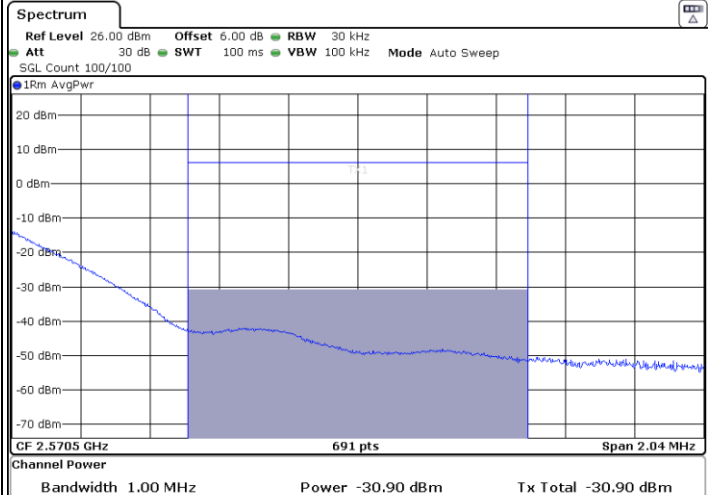
Date: 25.MAY.2022 04:09:49



Date: 25.MAY.2022 04:40:31



Date: 25.MAY.2022 09:40:43



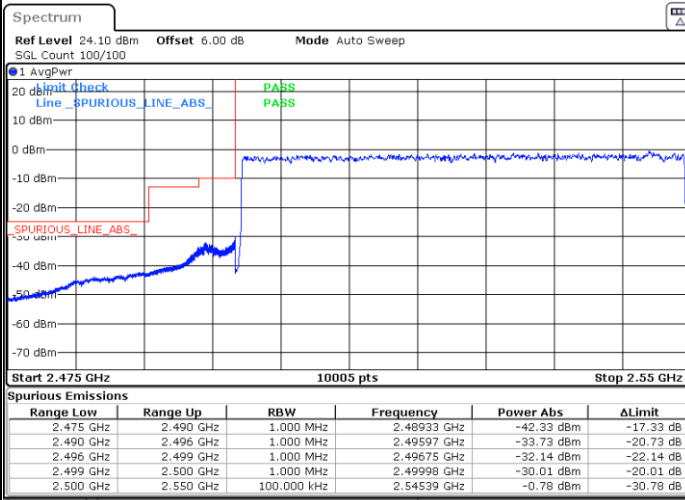
Date: 25.MAY.2022 09:45:42



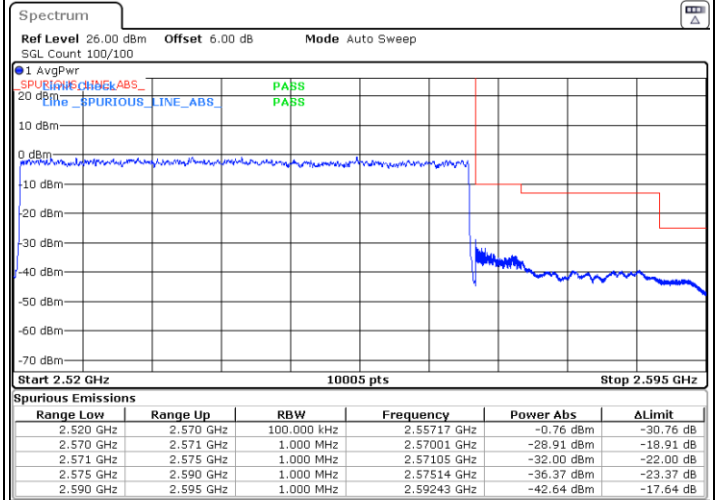
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.MAY.2022 04:26:03



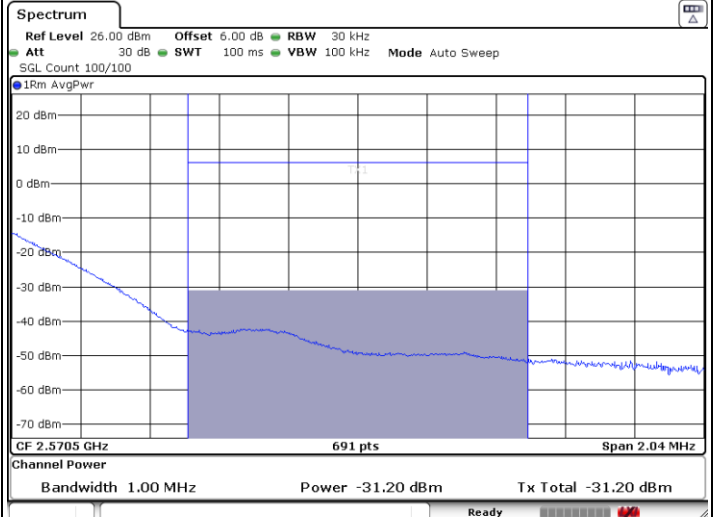
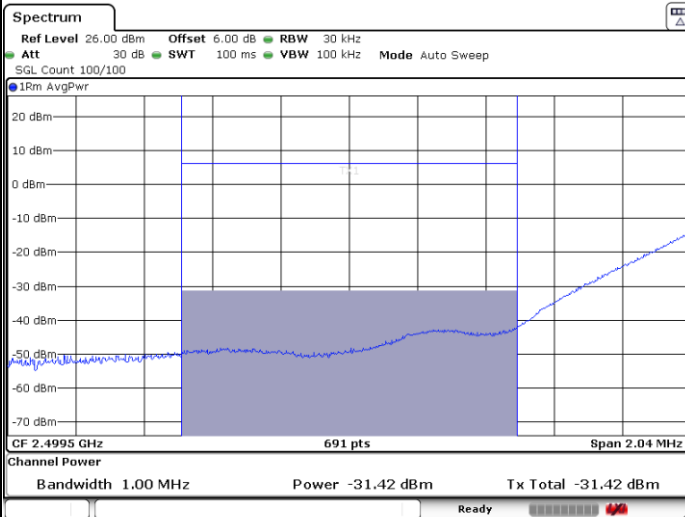
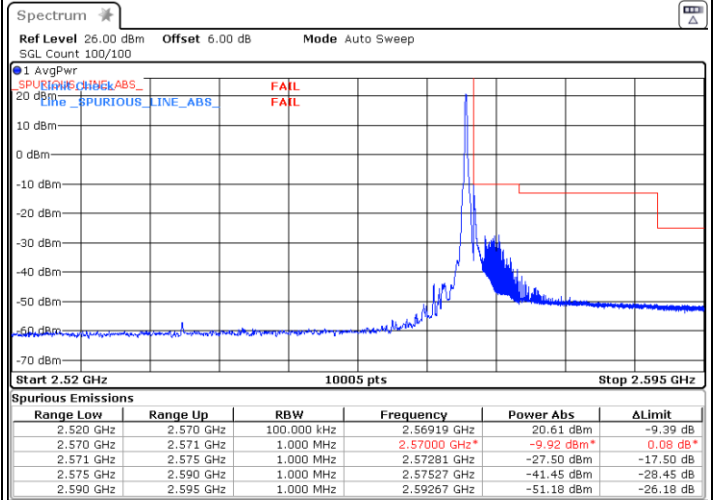
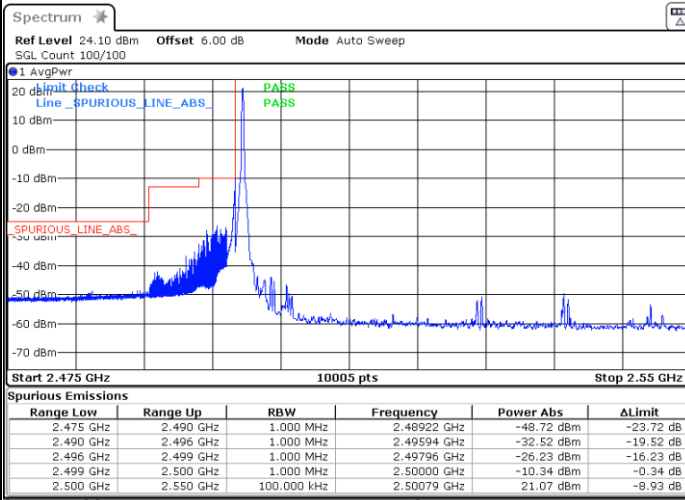
Date: 25.MAY.2022 04:27:54



FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

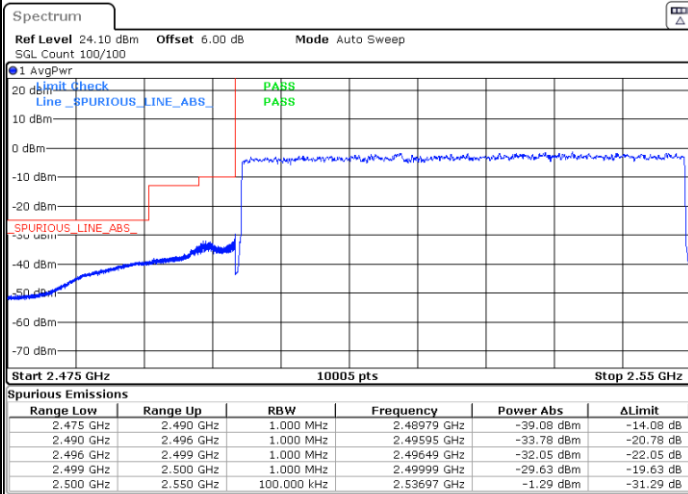
Highest Band Edge / 1RBMAX



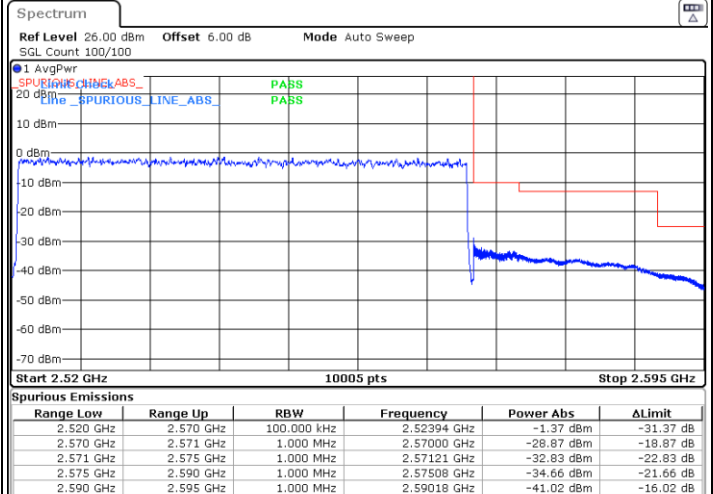


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.MAY.2022 04:25:22



Date: 25.MAY.2022 04:28:18

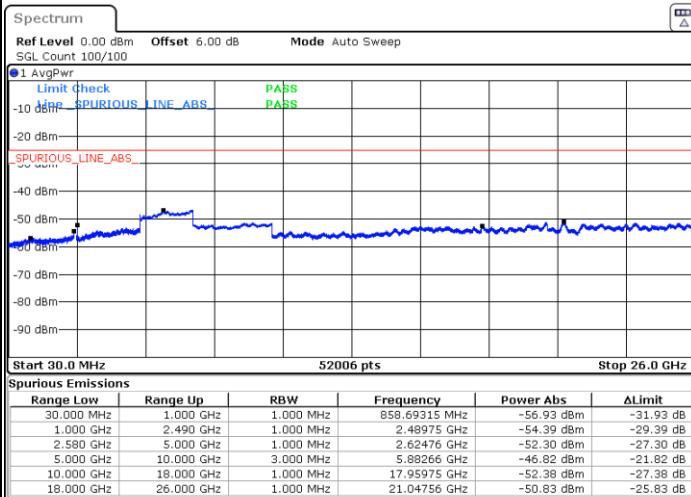


Conducted Spurious Emission

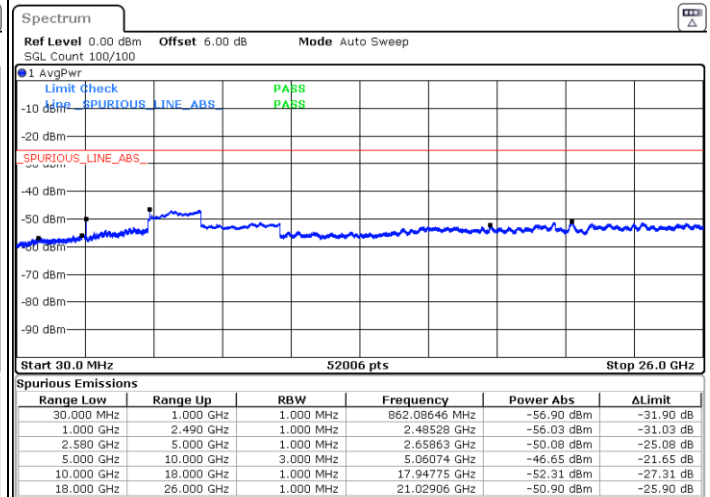
FR1 n7 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

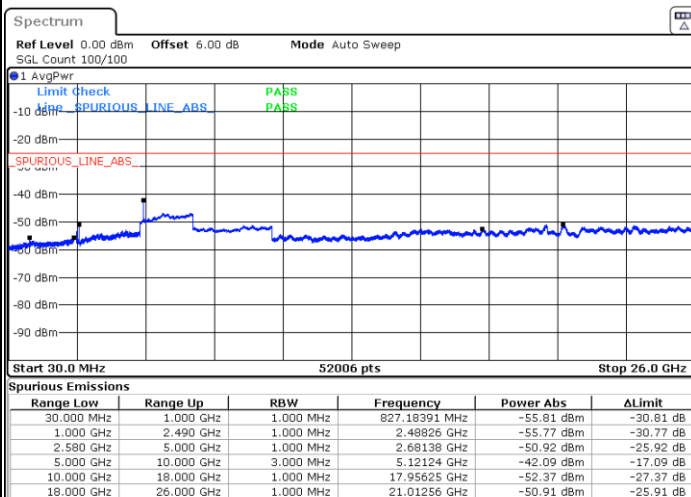


Date: 25.MAY.2022 08:54:04



Date: 25.MAY.2022 08:52:18

Highest Channel / 1RB1



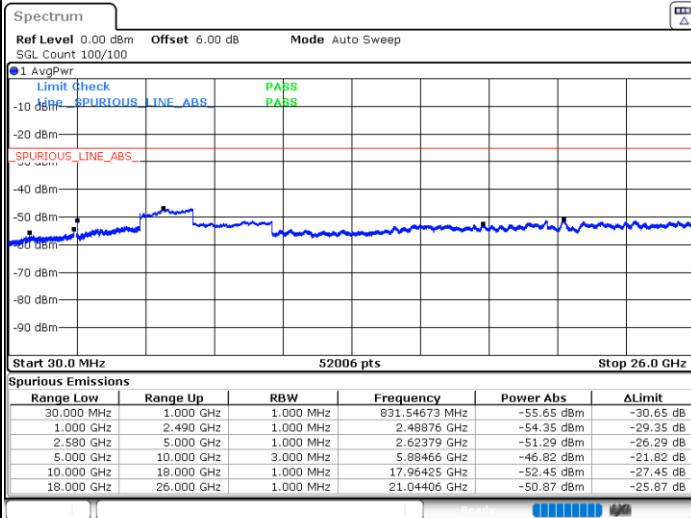
Date: 25.MAY.2022 08:55:18



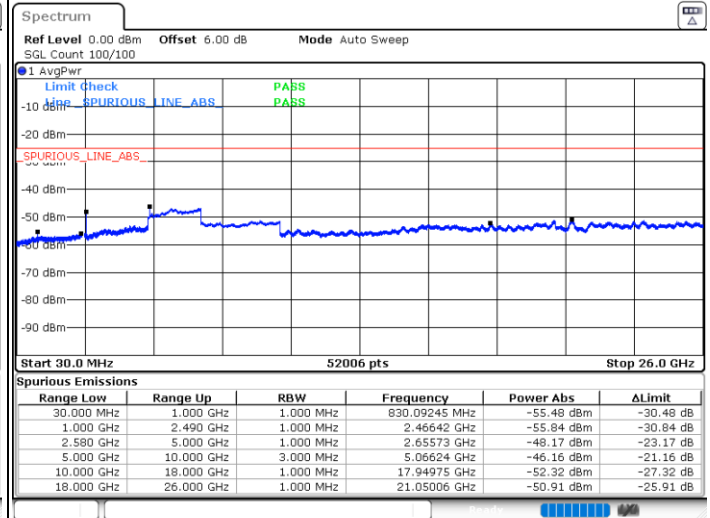
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

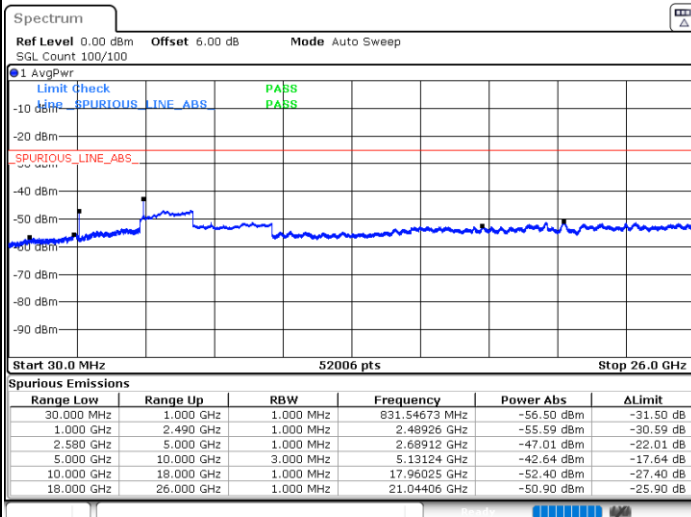


Date: 25.MAY.2022 09:17:55



Date: 25.MAY.2022 09:15:53

Highest Channel / 1RB1



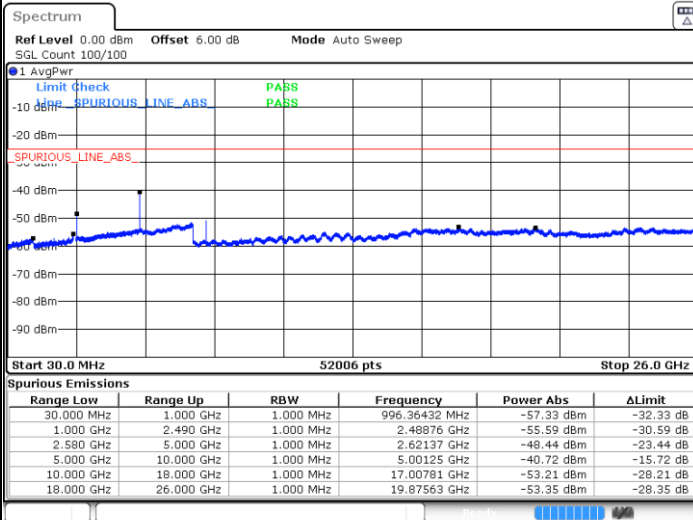
Date: 25.MAY.2022 09:19:08



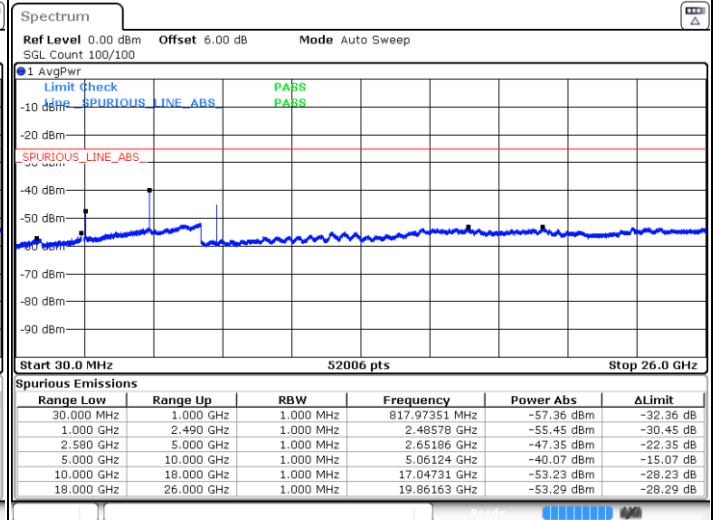
FR1 n7 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

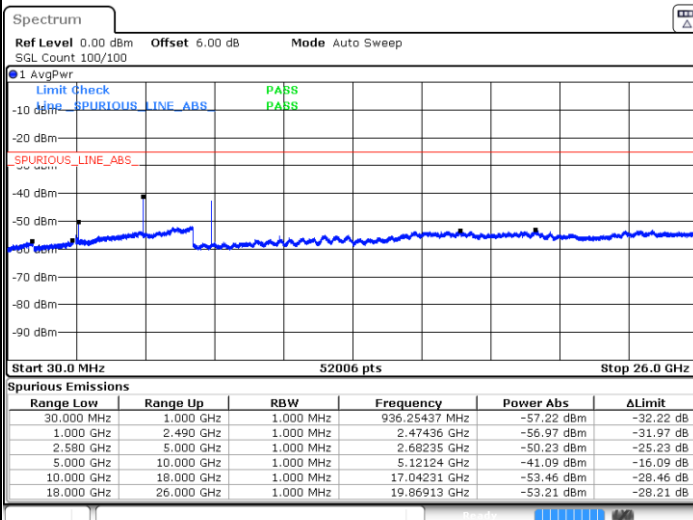


Date: 2 JUN 2022 03:20:31



Date: 2 JUN 2022 03:22:09

Highest Channel / 1RB1

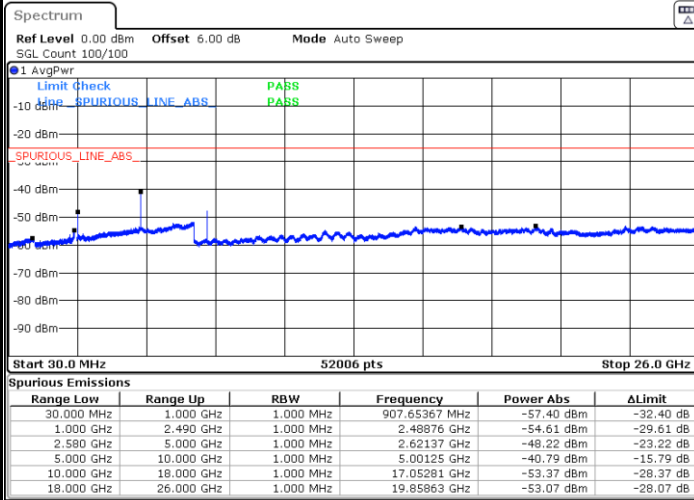


Date: 2 JUN 2022 03:25:56



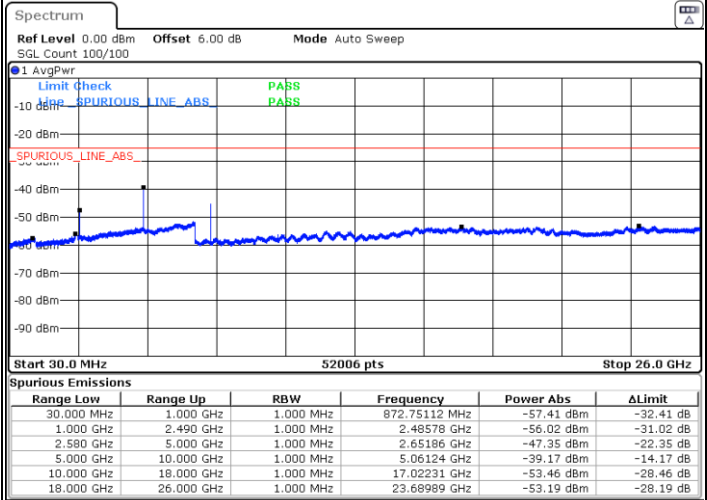
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



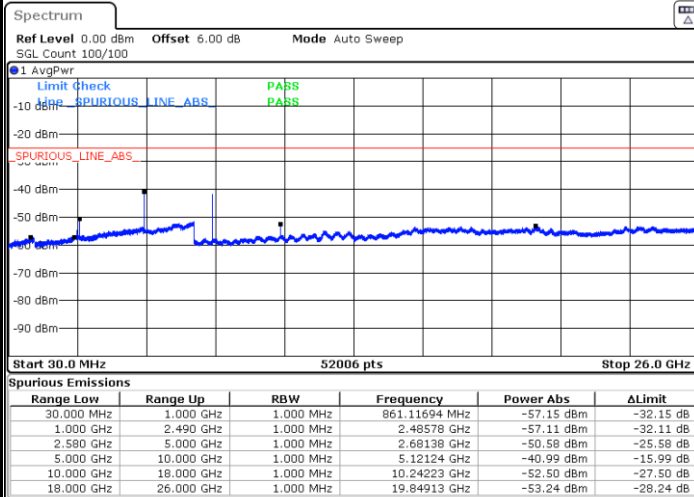
Date: 2 JUN 2022 03:19:16

Middle Channel / 1RB1



Date: 2 JUN 2022 03:23:04

Highest Channel / 1RB1

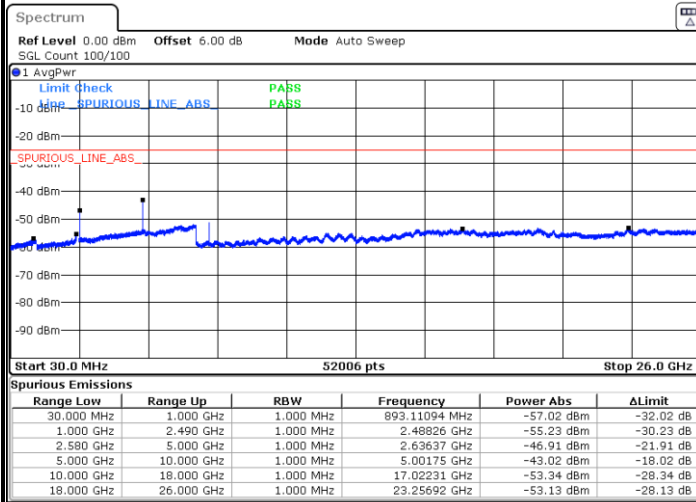


Date: 2 JUN 2022 03:25:02



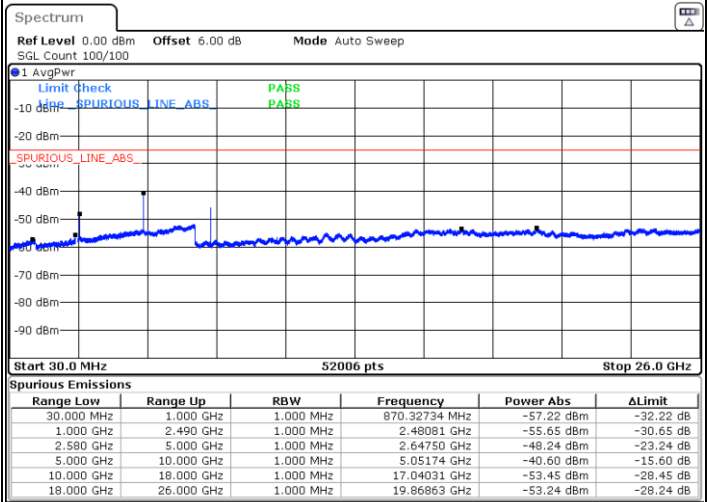
FR1 n7 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



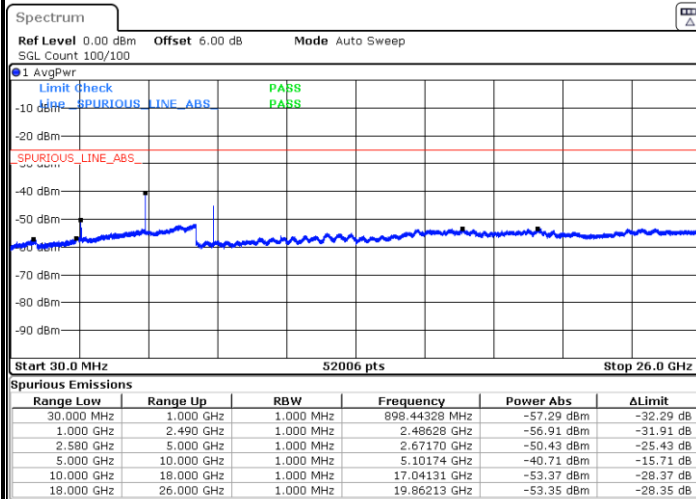
Date: 2 JUN 2022 03:28:22

Middle Channel / 1RB1



Date: 2 JUN 2022 03:32:07

Highest Channel / 1RB1

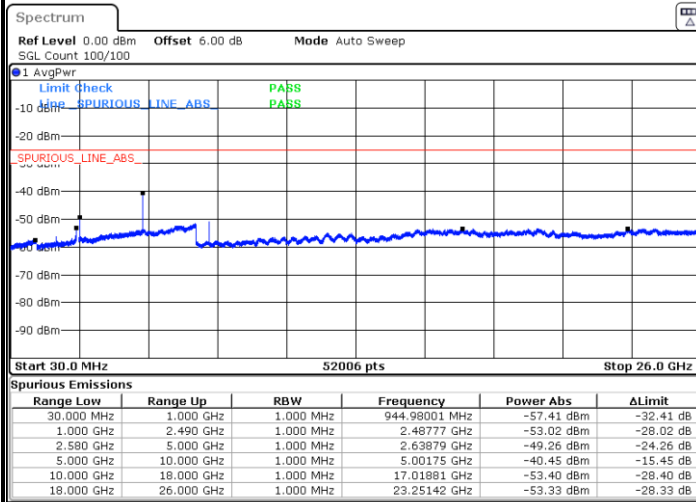


Date: 2 JUN 2022 03:33:36



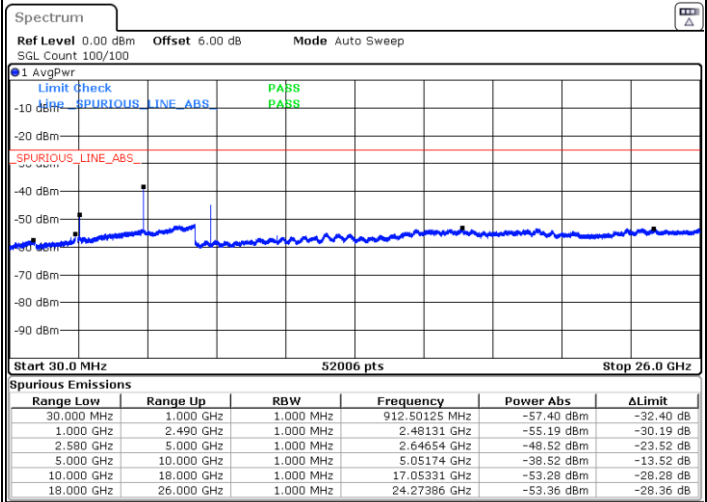
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



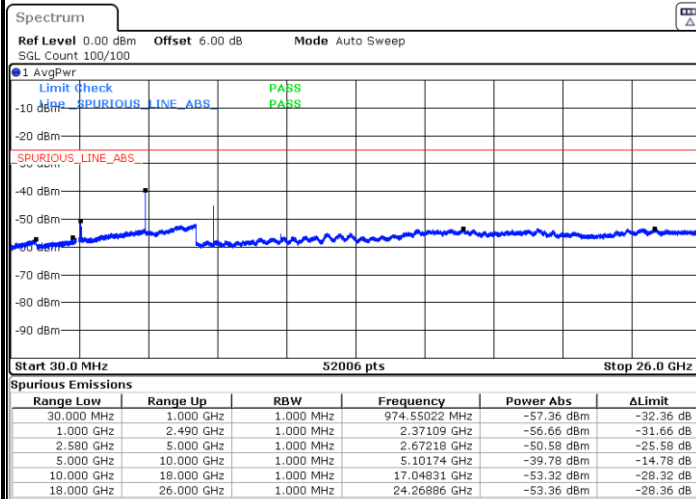
Date: 2 JUN 2022 03:29:26

Middle Channel / 1RB1



Date: 2 JUN 2022 03:31:14

Highest Channel / 1RB1

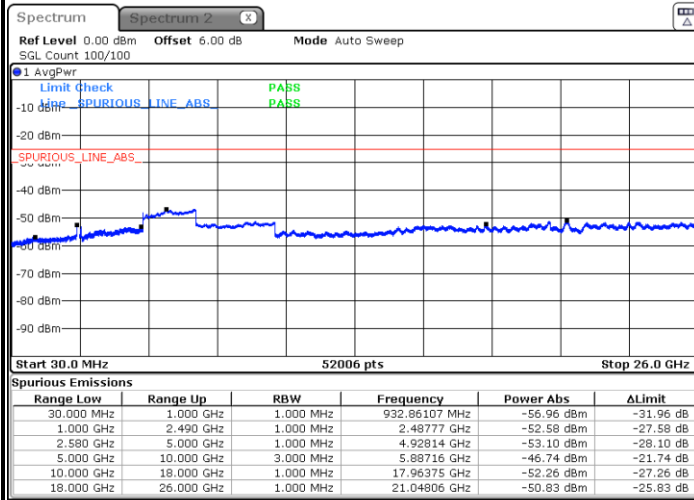


Date: 2 JUN 2022 03:34:35



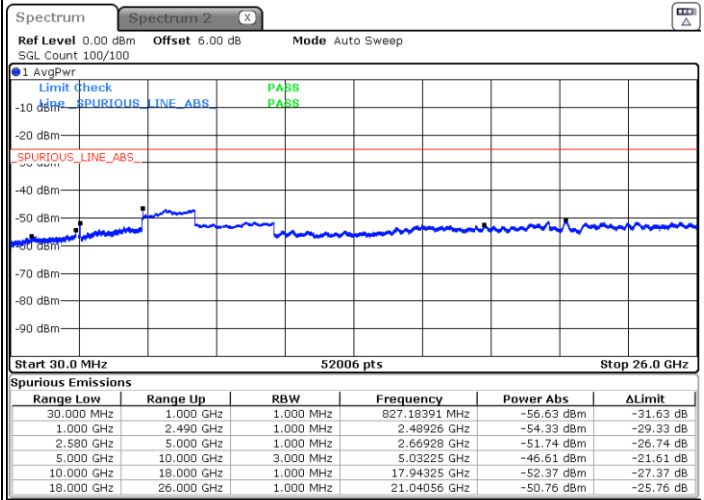
FR1 n7 / 50MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



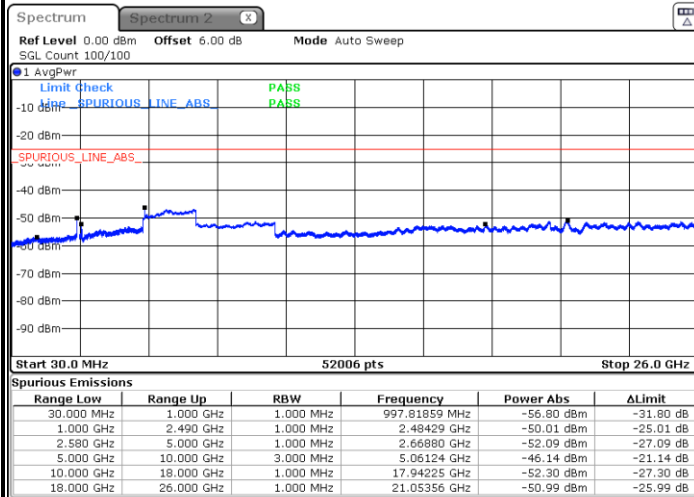
Date: 25.MAY.2022 05:29:11

Middle Channel / 1RB1



Date: 25.MAY.2022 05:23:05

Highest Channel / 1RB1

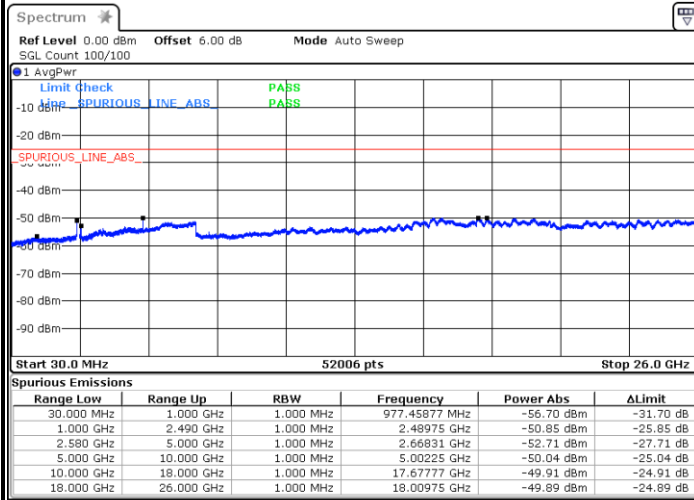


Date: 25.MAY.2022 05:19:47



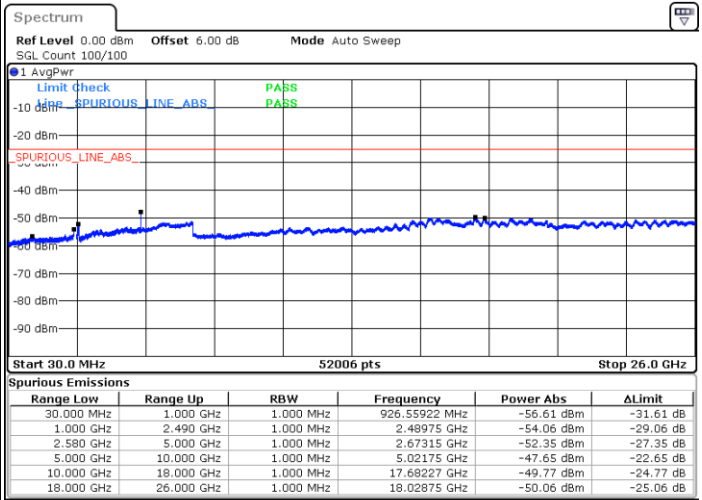
FR1 n7 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



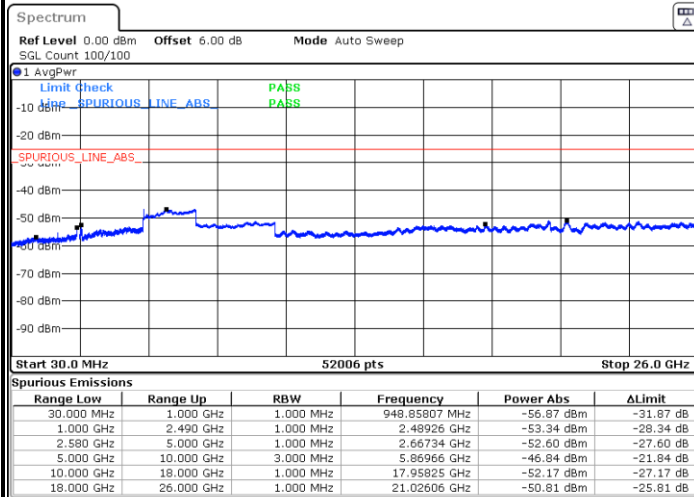
Date: 26.MAY.2022 22:17:53

Middle Channel / 1RB1



Date: 26.MAY.2022 22:24:29

Highest Channel / 1RB1



Date: 25.MAY.2022 04:45:02

**Frequency Stability**

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0005	

Note:

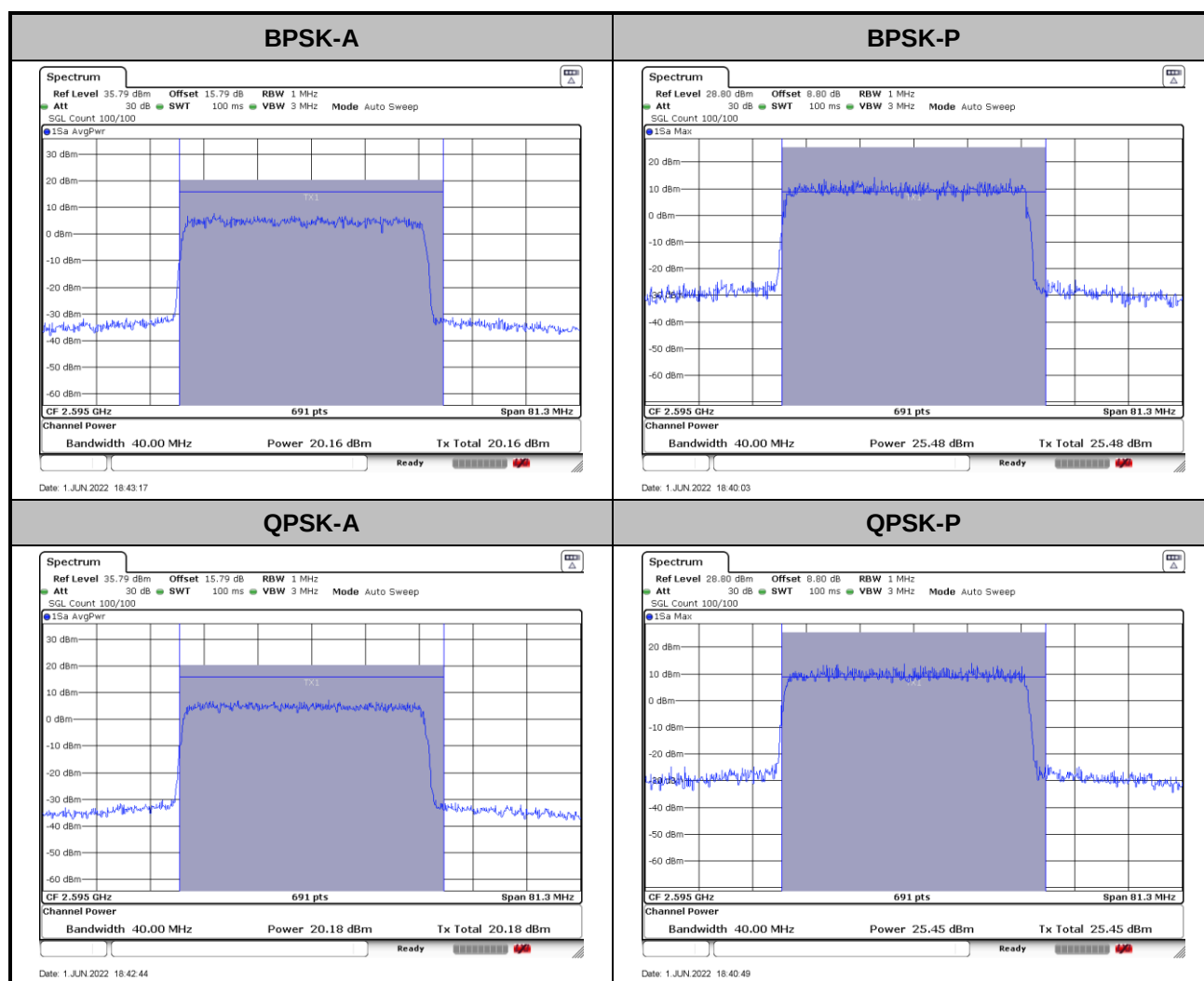
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n38

Peak-to-Average Ratio

Mode	FR1 n38 /40MHz / DFT-S OFDM		
Mod.	100M		Limit: 13dB
RB Size	BPSK	QPSK	Result
Middle CH	5.32	5.27	PASS



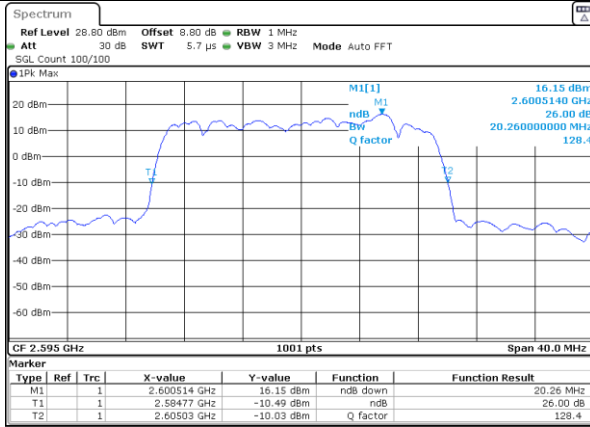
**26dB Bandwidth**

Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM			
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	20.26	20.06	20.02	20.14
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.73	27.61	27.69	28.01
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	38.04	37.96	38.12	38.44



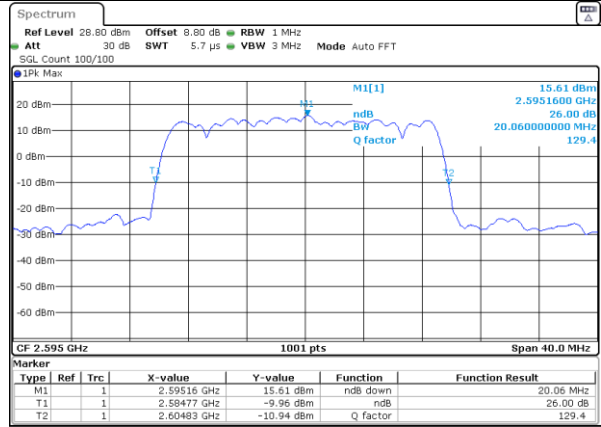
20M

BPSK



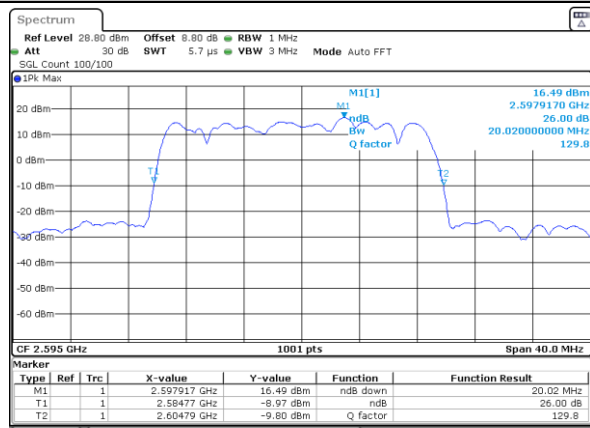
Date: 1 JUN 2022 17:59:54

16QAM



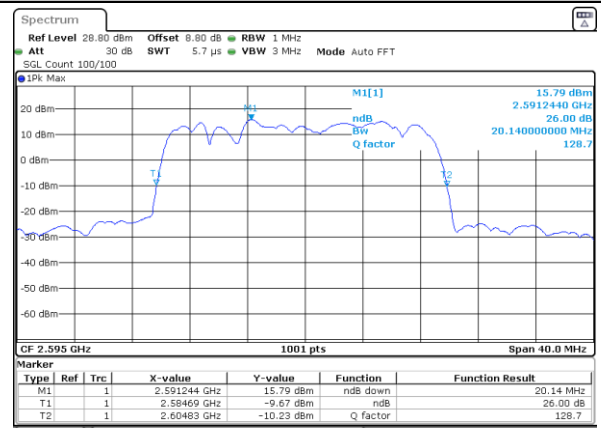
Date: 1 JUN 2022 18:00:21

64QAM



Date: 1 JUN 2022 18:00:59

256QAM

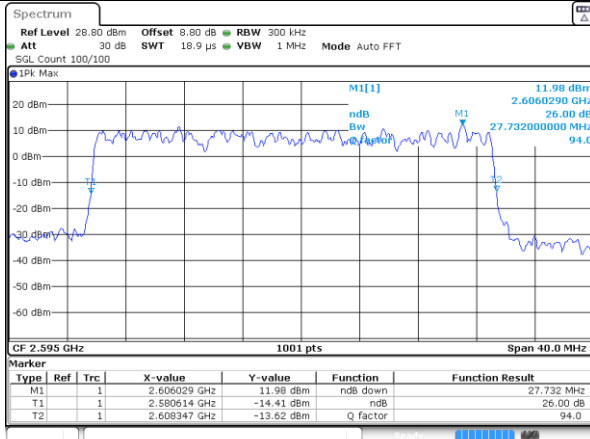


Date: 1 JUN 2022 18:01:29

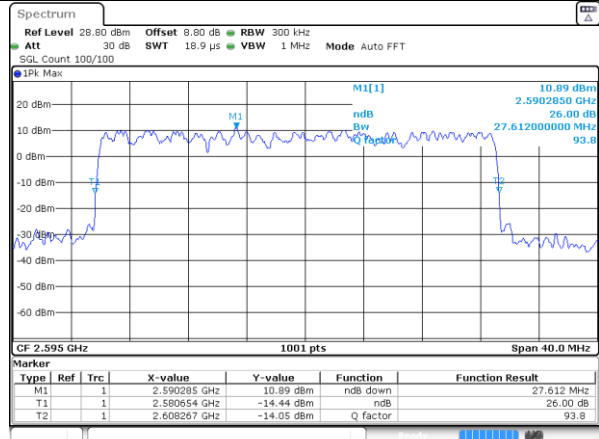


30M

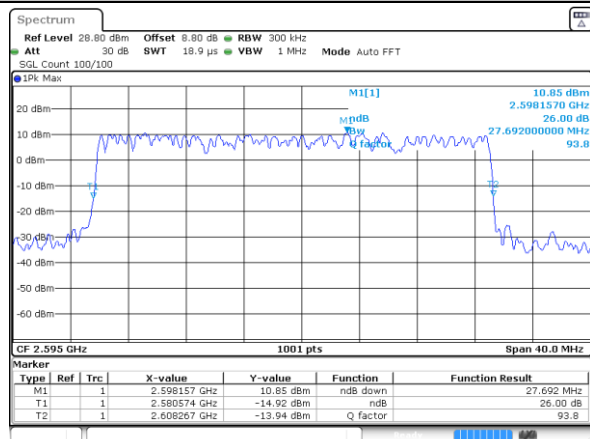
QPSK



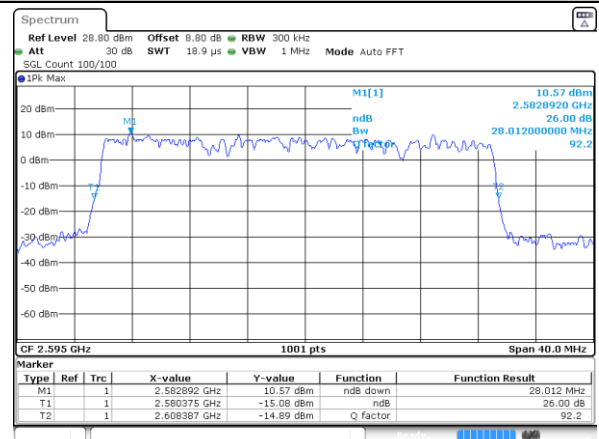
16QAM



64QAM



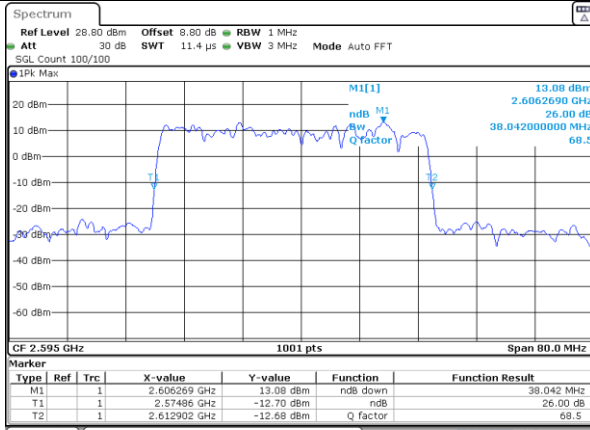
256QAM





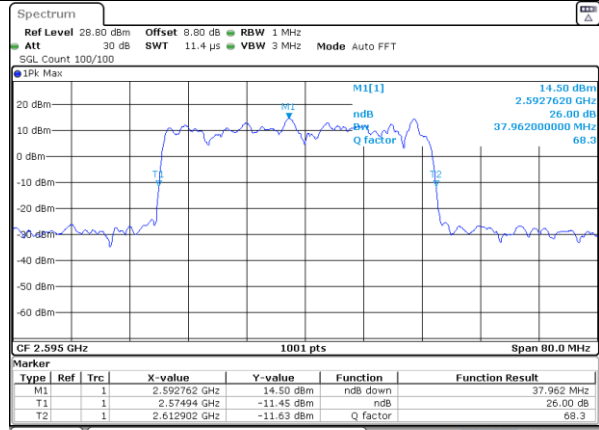
40M

QPSK



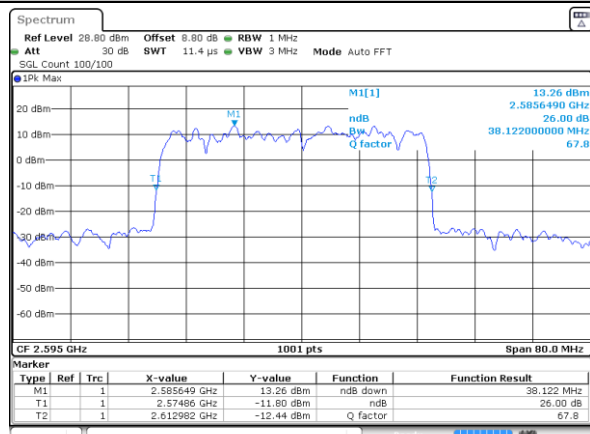
Date: 1 JUN 2022 18:35:30

16QAM



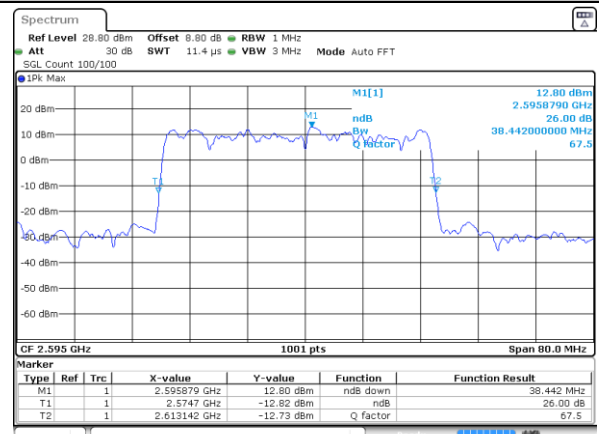
Date: 1 JUN 2022 18:36:18

64QAM



Date: 1 JUN 2022 18:36:44

256QAM



Date: 1 JUN 2022 18:37:15

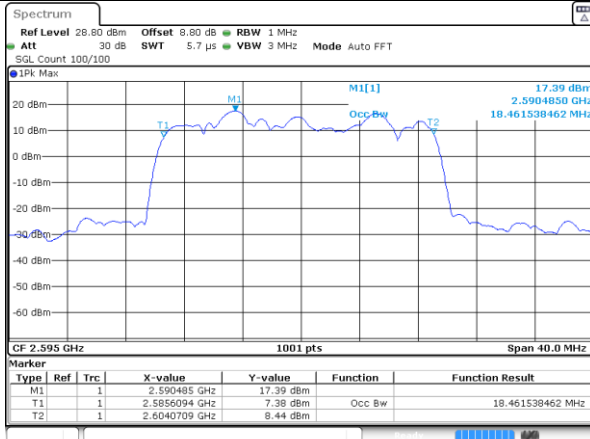
**Occupied Bandwidth**

Mode	FR1 n38: OB BW(MHz) / DFT-S OFDM			
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.46	18.38	18.50	18.42
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	26.57	26.85	26.81	26.69
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	36.12	36.04	36.04	35.88

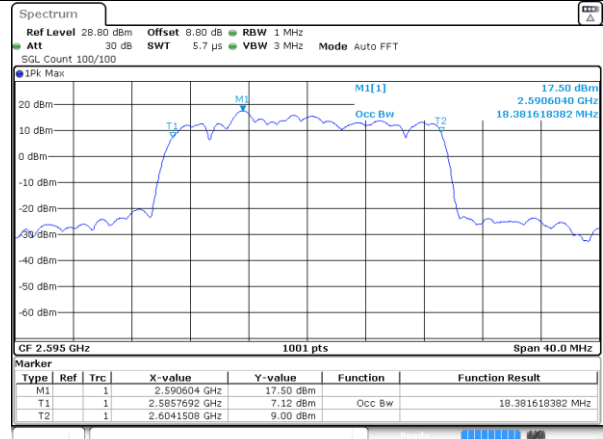


20M

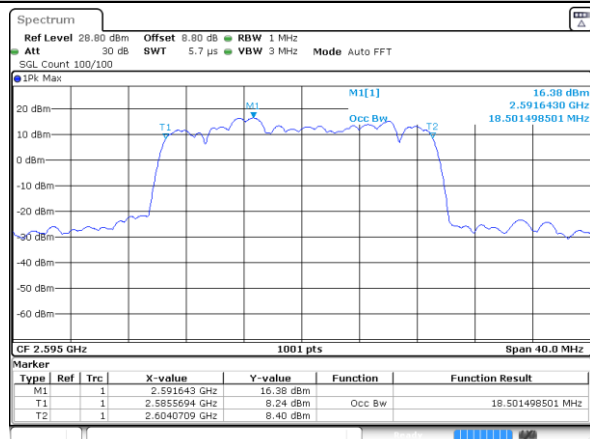
QPSK



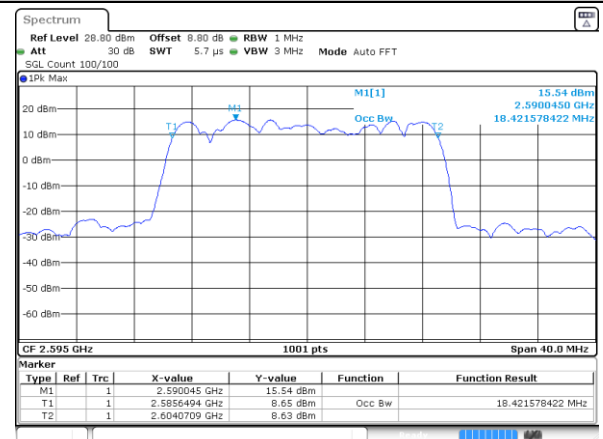
16QAM



64QAM



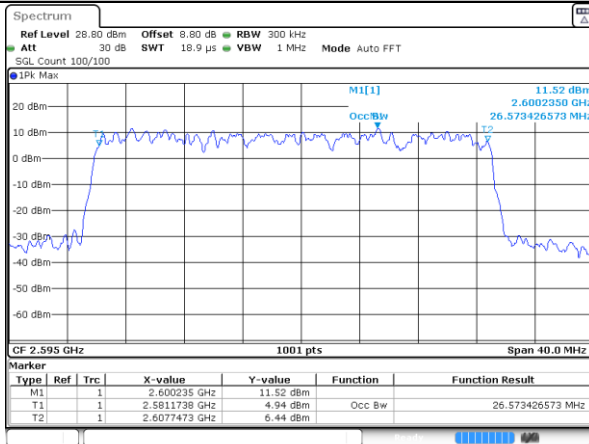
256QAM



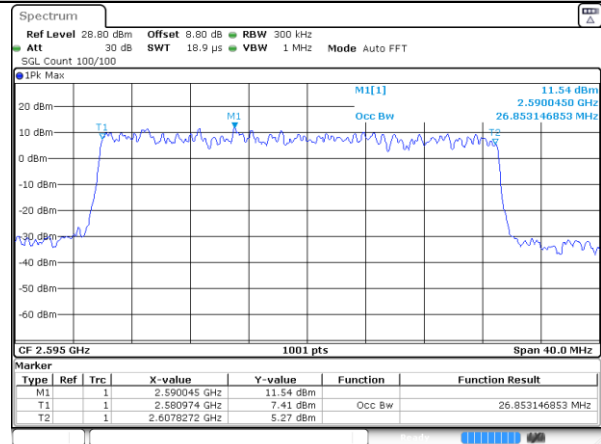


30M

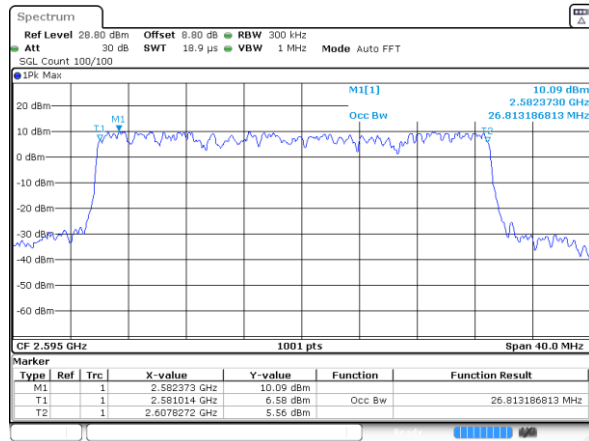
QPSK



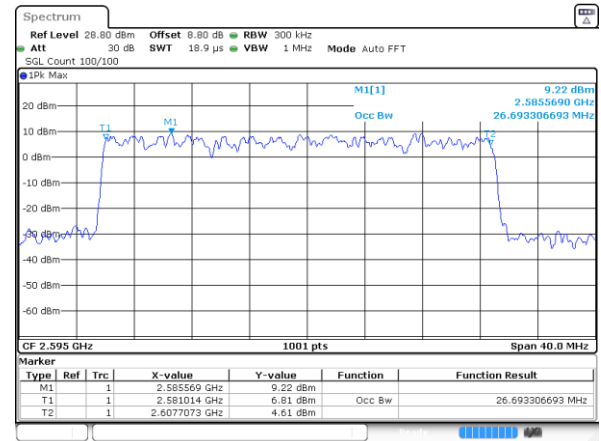
16QAM



64QAM

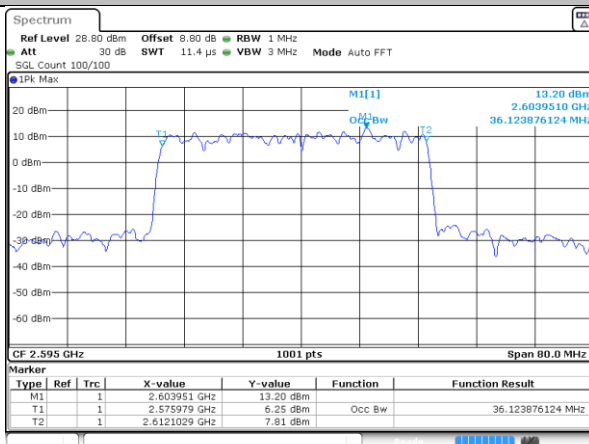


256QAM

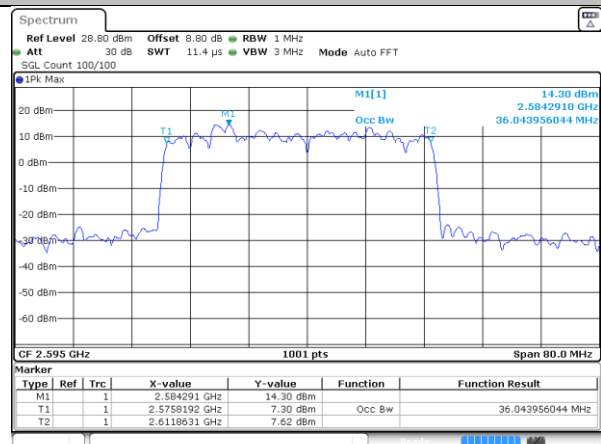


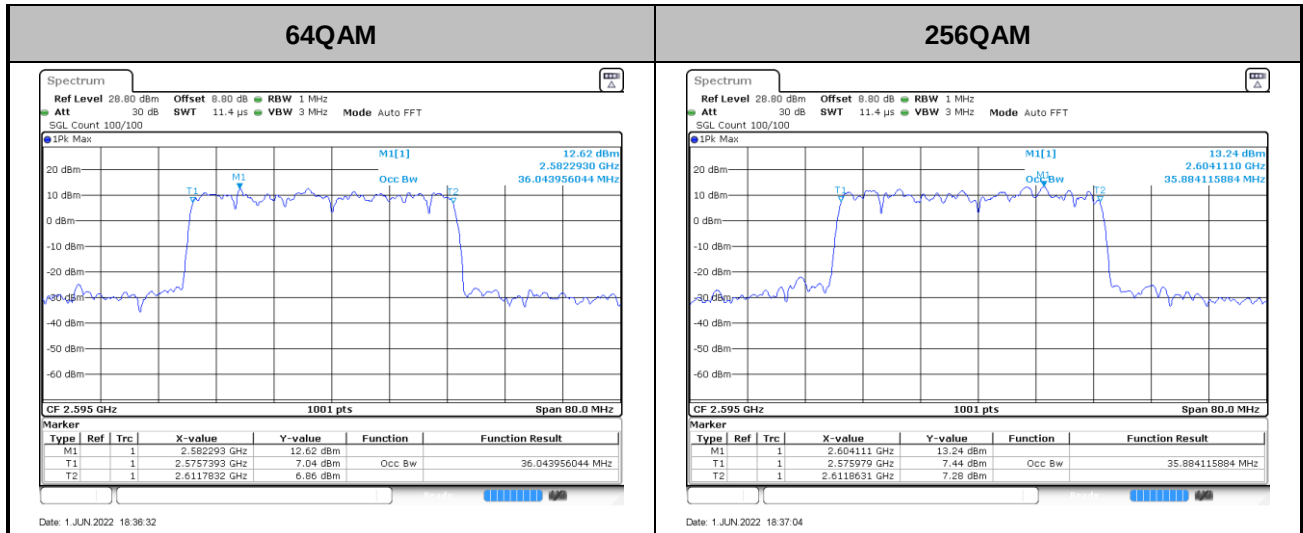
40M

QPSK



16QAM



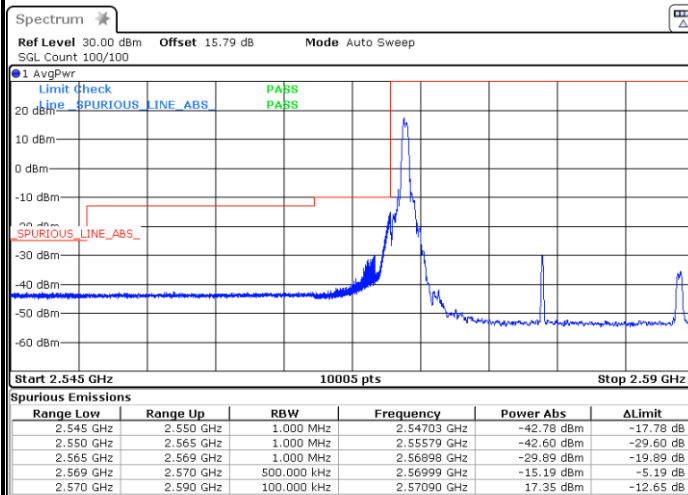




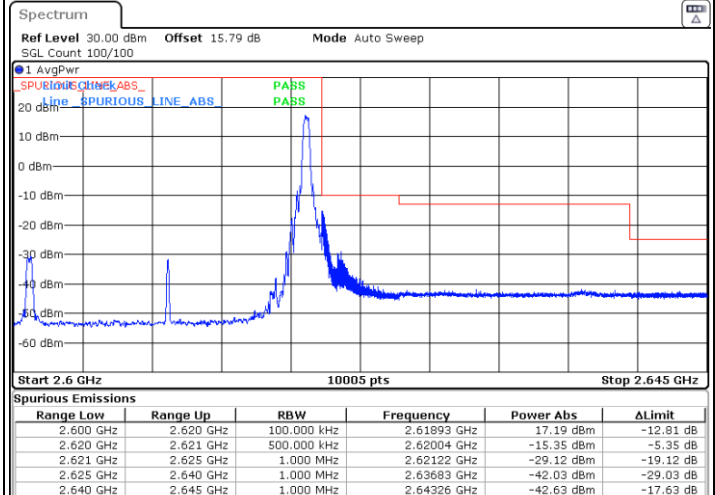
Conducted Band Edge

FR1 n38/ 20MHz / DFT-S OFDM / PI/2 BPSK

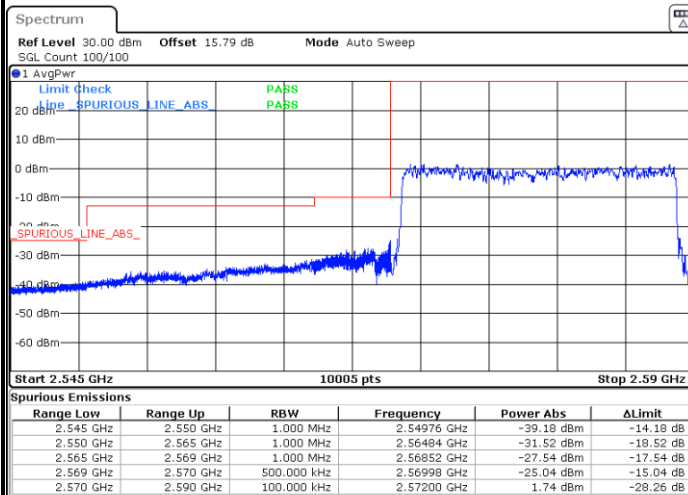
Lowest Band Edge / 1RB0



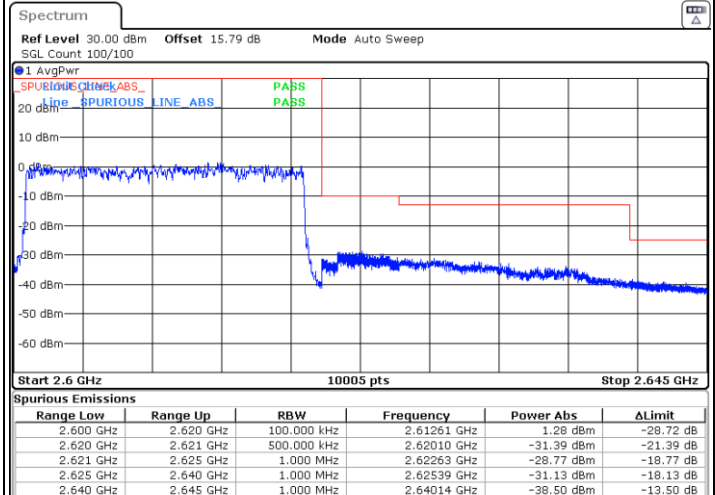
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

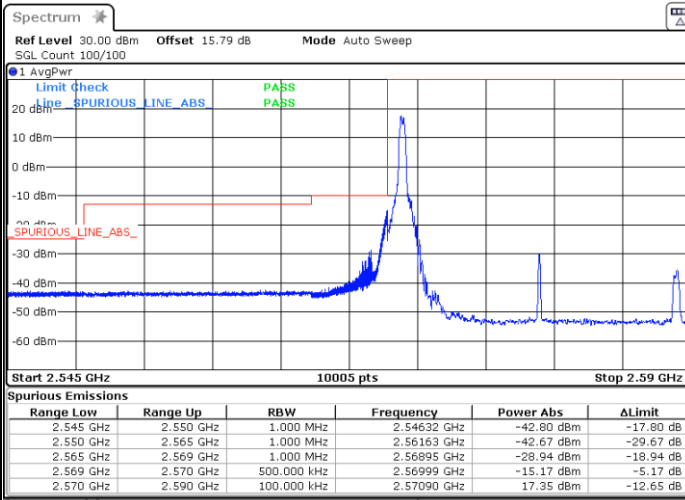




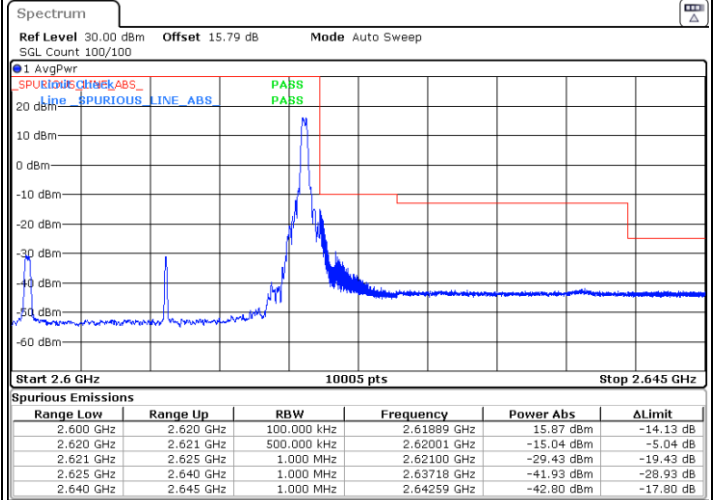
FR1 n38 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



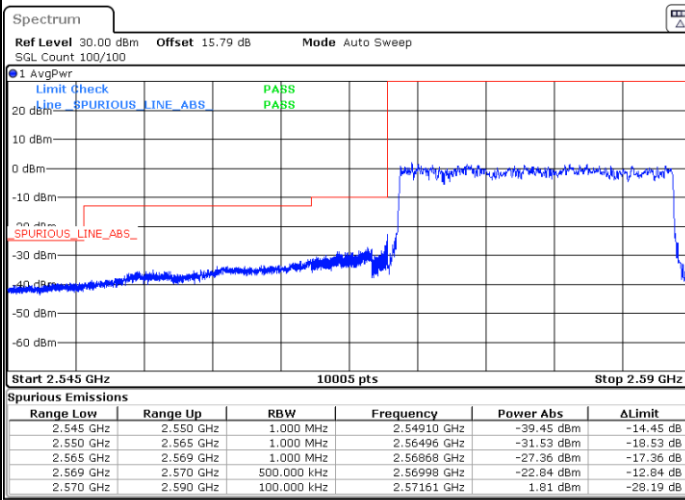
Date: 1 JUN 2022 15:54:33



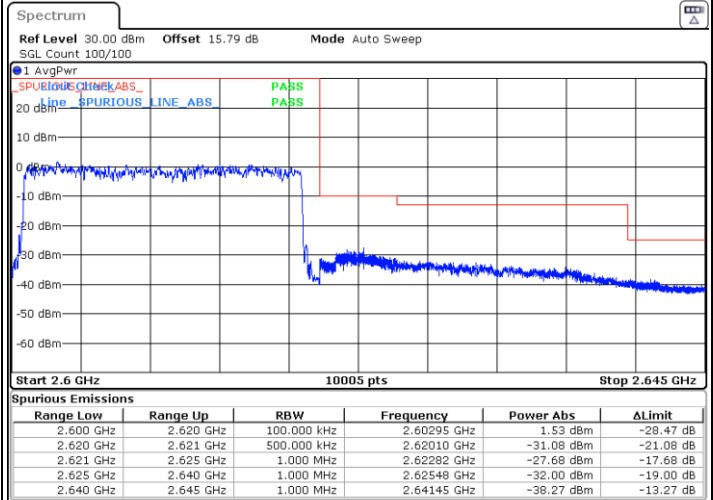
Date: 1 JUN 2022 15:58:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUN 2022 15:55:20



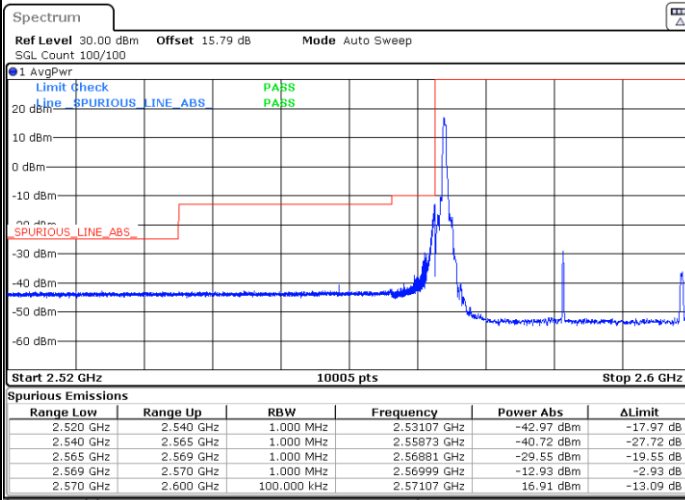
Date: 1 JUN 2022 15:58:51



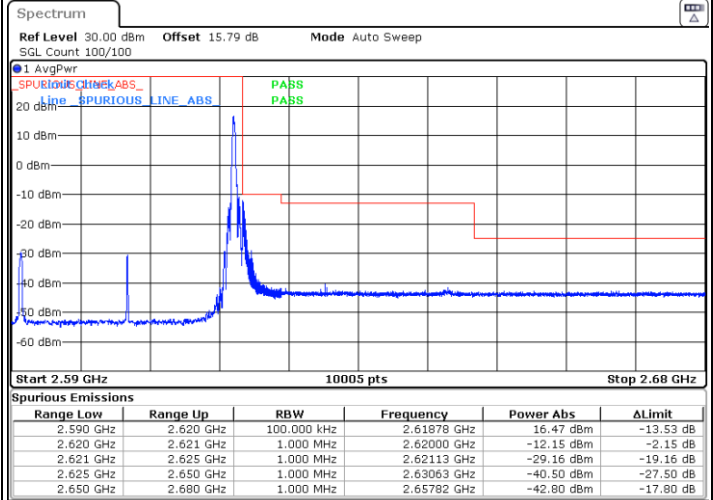
FR1 n38/ 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



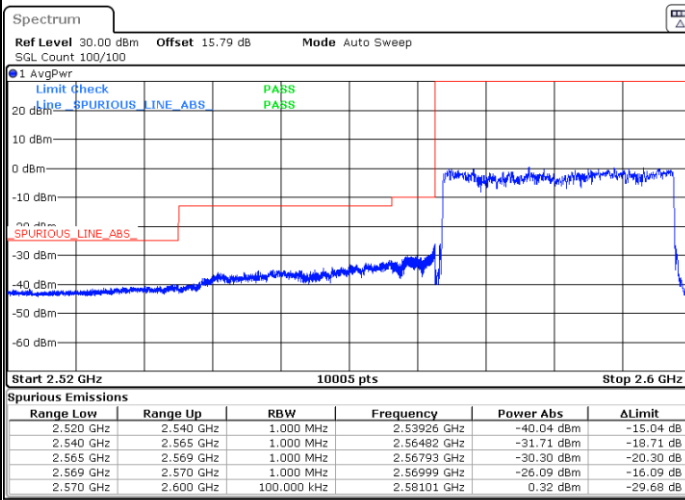
Date: 1 JUN 2022 16:01:54



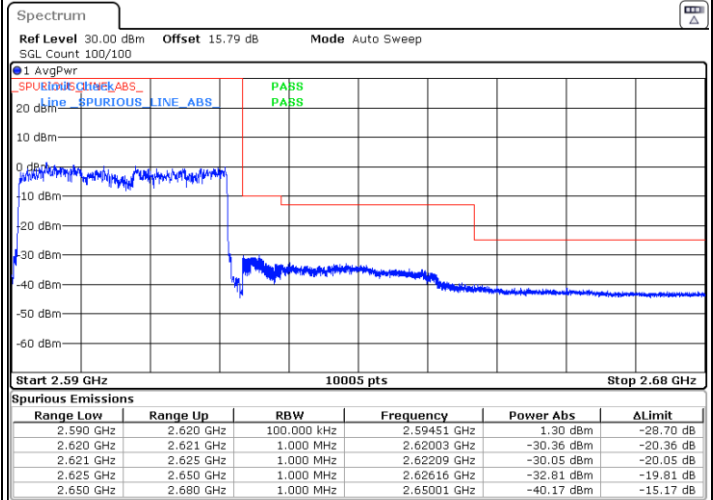
Date: 1 JUN 2022 16:56:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUN 2022 16:05:17



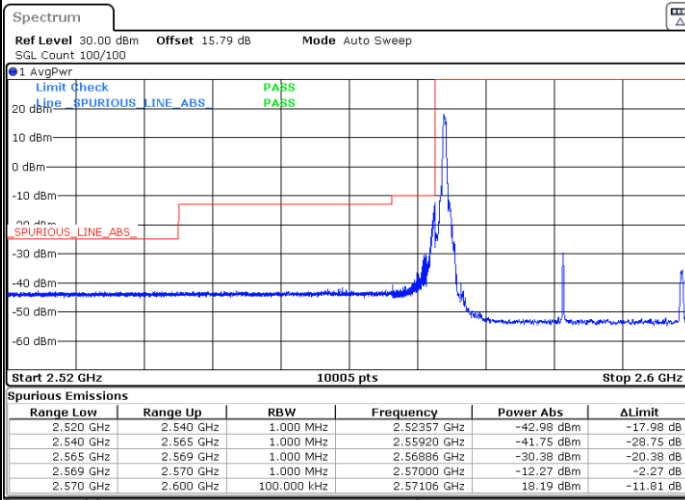
Date: 1 JUN 2022 17:08:36



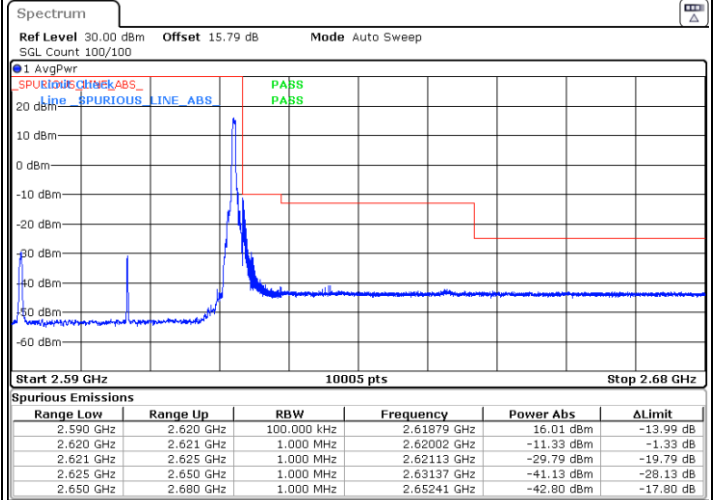
FR1 n38 / 30MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



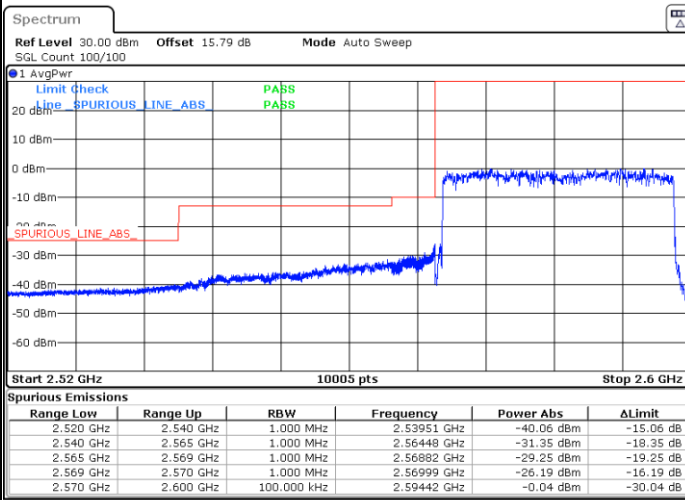
Date: 1 JUN 2022 16:04:17



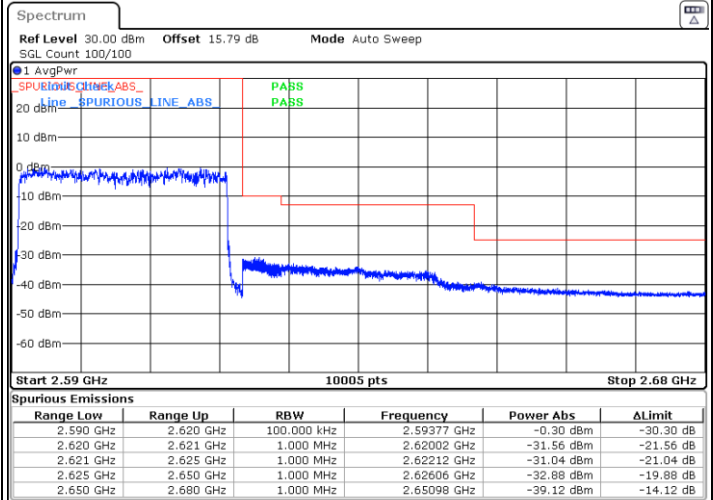
Date: 1 JUN 2022 17:07:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUN 2022 16:04:44



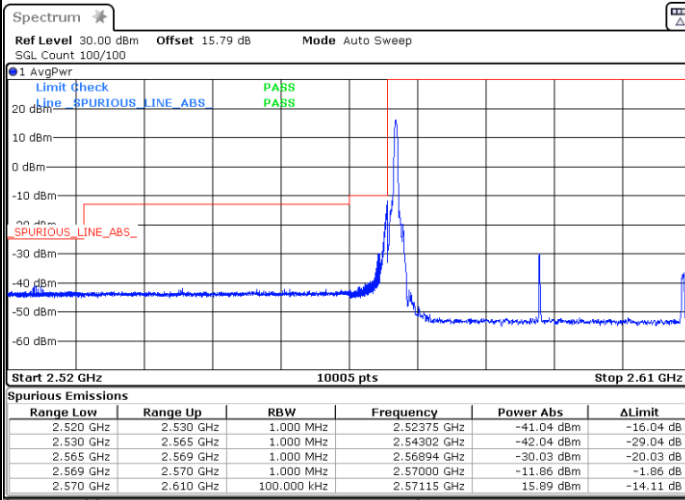
Date: 1 JUN 2022 17:08:17



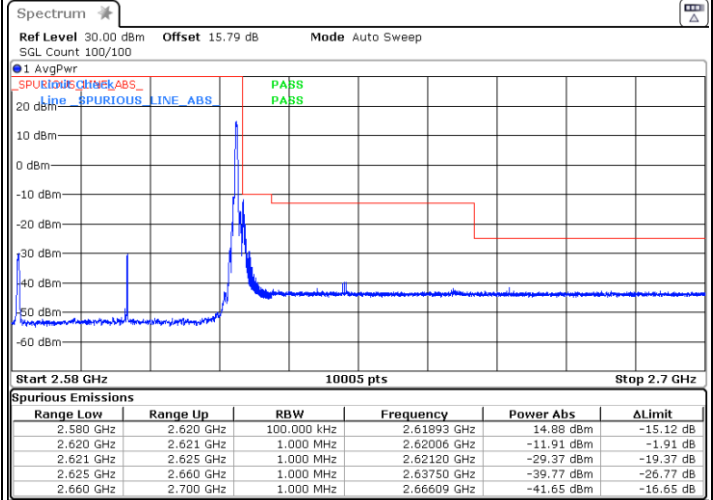
FR1 n38 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



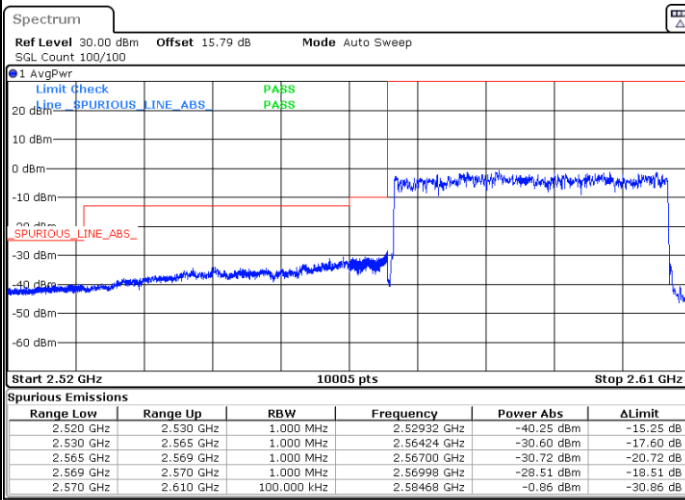
Date: 1 JUN 2022 16:59:32



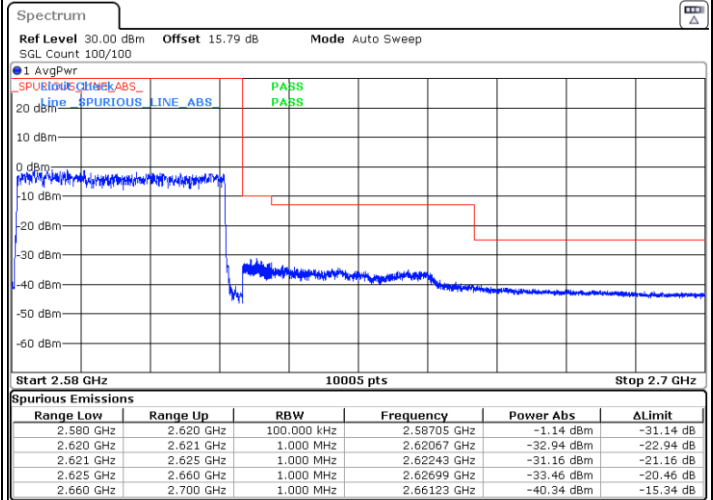
Date: 1 JUN 2022 17:02:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUN 2022 17:01:05



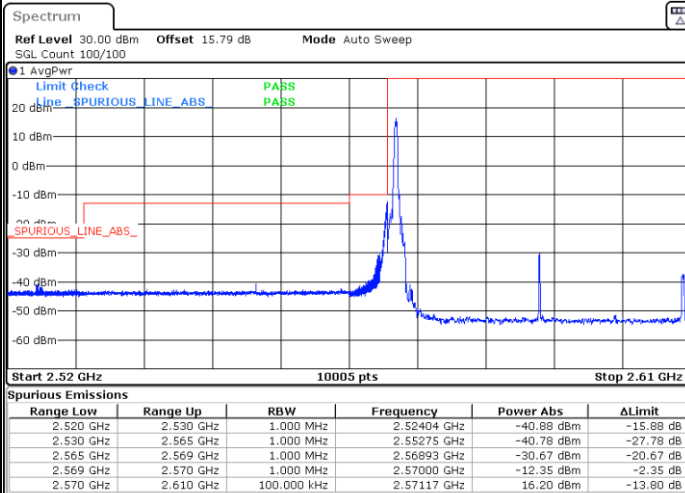
Date: 1 JUN 2022 17:05:08



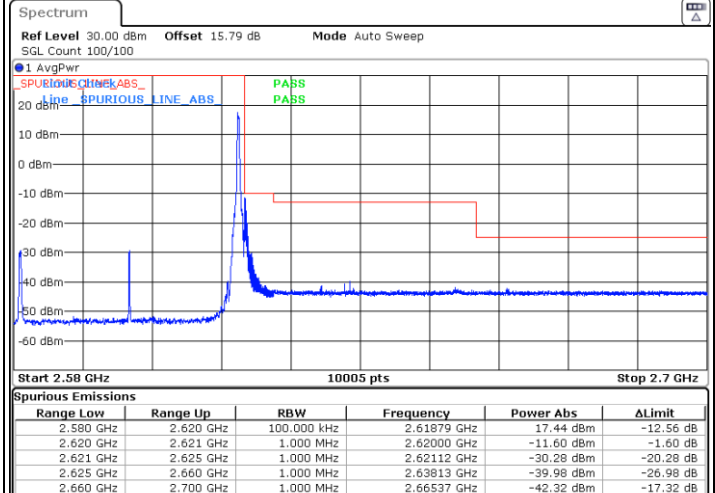
FR1 n38 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



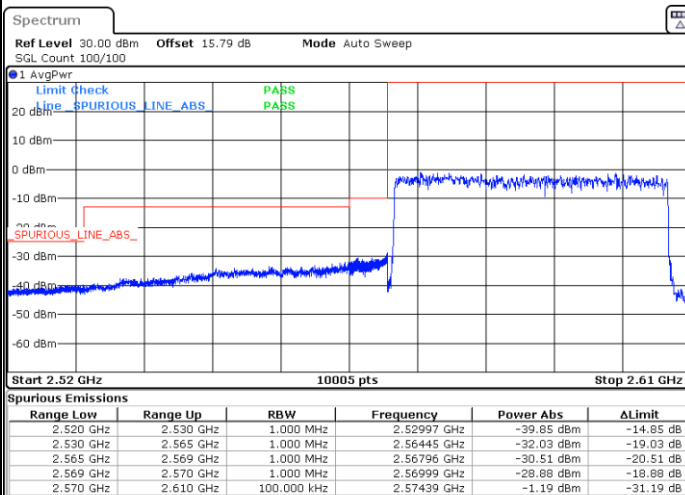
Date: 1 JUN 2022 17:00:00



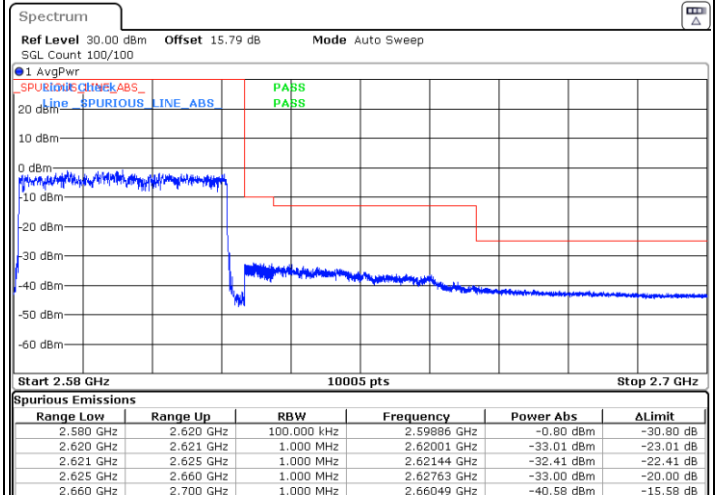
Date: 1 JUN 2022 17:03:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUN 2022 17:00:41



Date: 1 JUN 2022 17:03:45

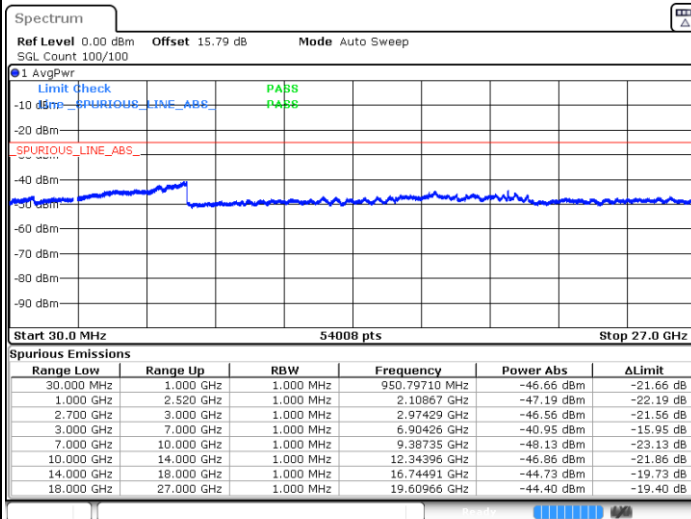


Conducted Spurious Emission

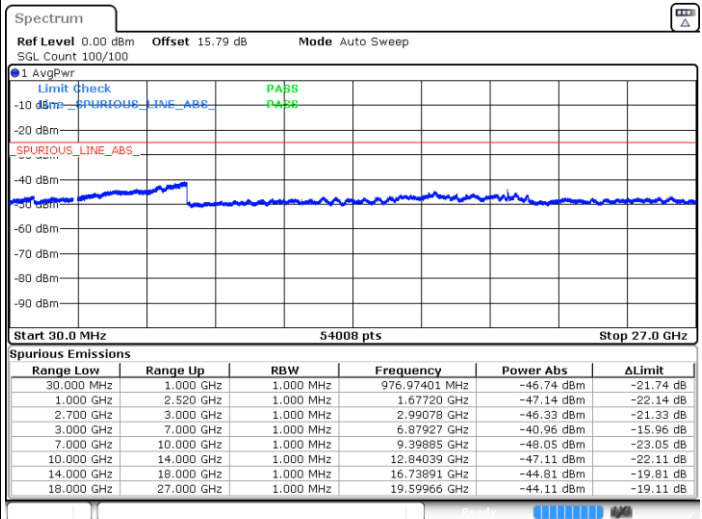
FR1 n38 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

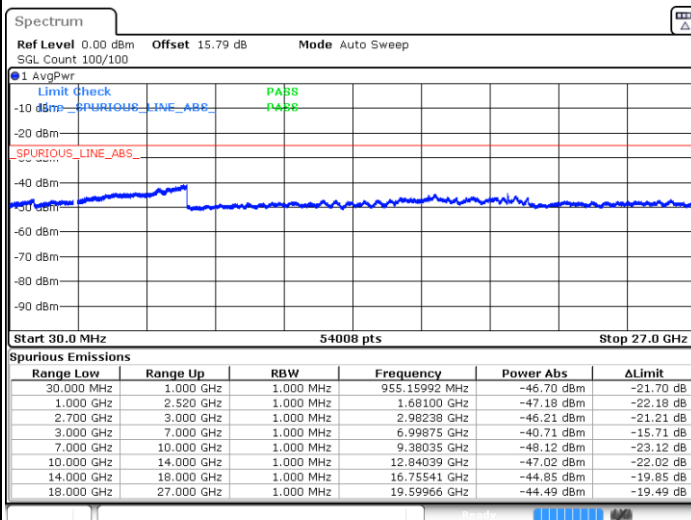


Date: 1 JUN 2022 18:03:26



Date: 1 JUN 2022 18:14:42

Highest Channel / 1RB1

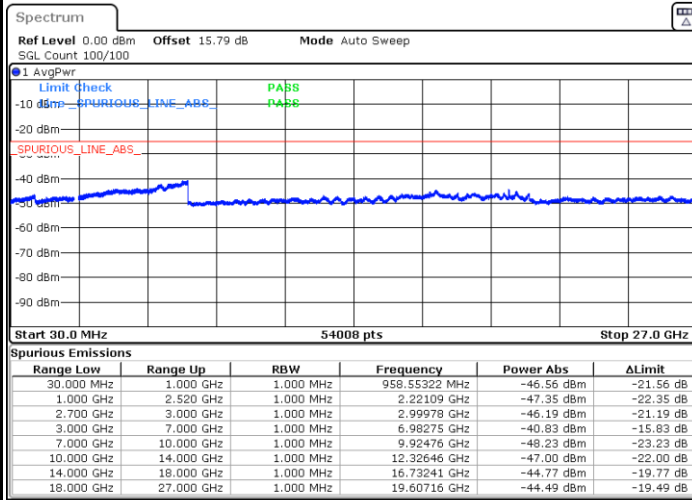


Date: 1 JUN 2022 18:15:32



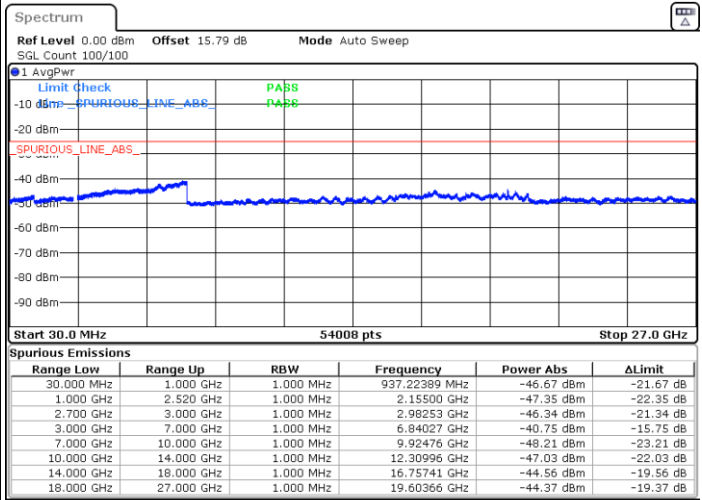
FR1 n38 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



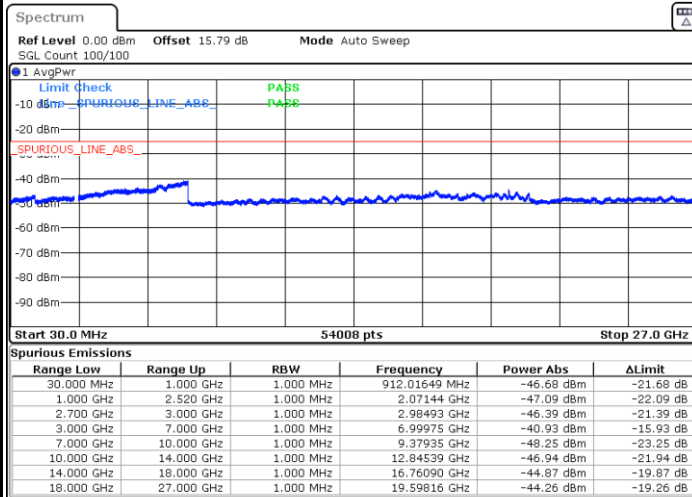
Date: 1 JUN 2022 18:08:48

Middle Channel / 1RB1



Date: 1 JUN 2022 18:10:48

Highest Channel / 1RB1

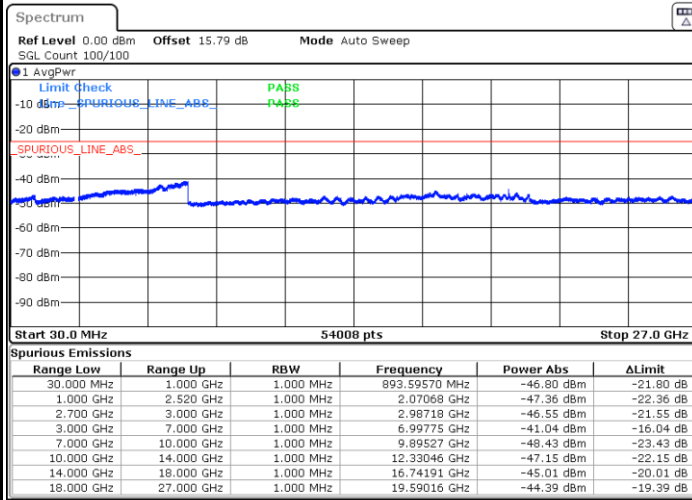


Date: 1 JUN 2022 18:17:13



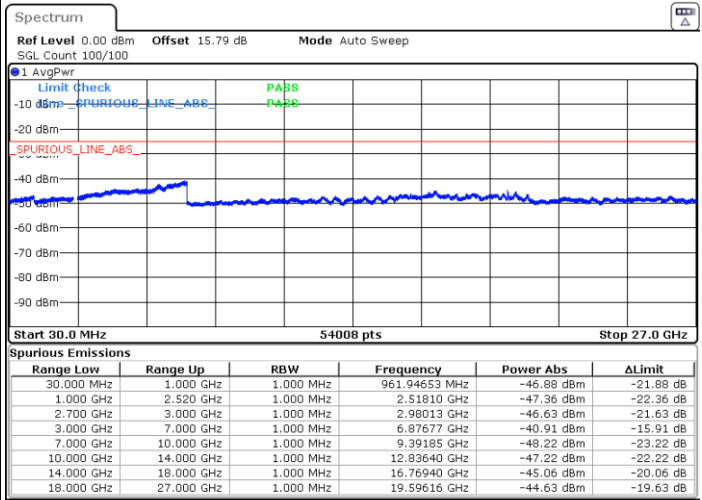
FR1 n38 / 30MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



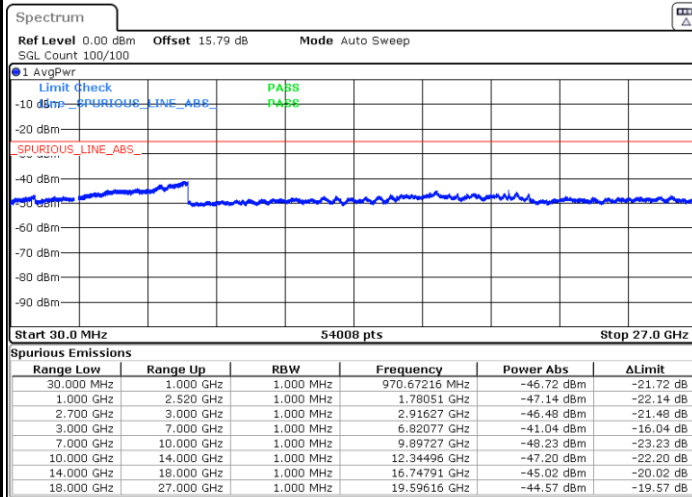
Date: 1 JUN 2022 16:03:01

Middle Channel / 1RB1



Date: 1 JUN 2022 17:25:26

Highest Channel / 1RB1



Date: 1 JUN 2022 17:26:33