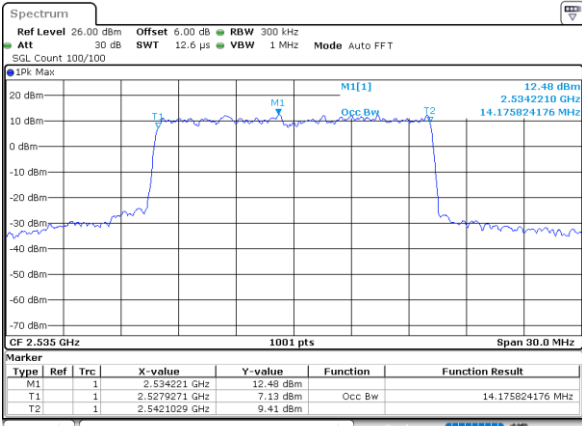




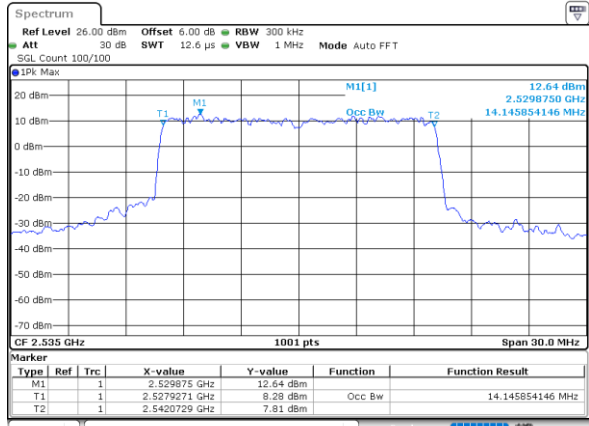
FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



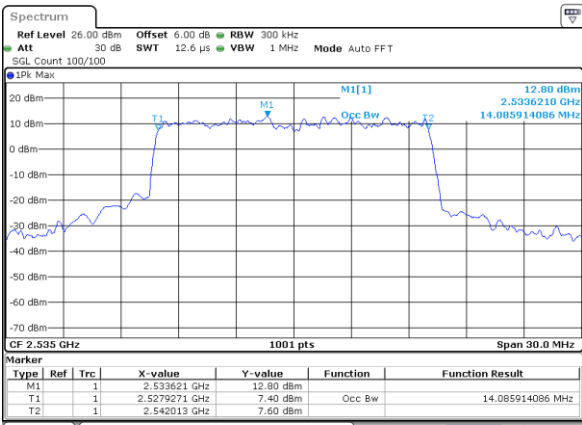
Date: 14 JUN 2022 08:58:03

16QAM



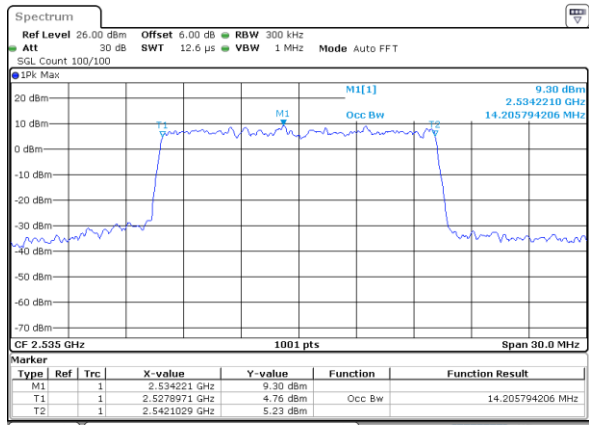
Date: 14 JUN 2022 08:58:20

64QAM



Date: 14 JUN 2022 08:58:40

256QAM

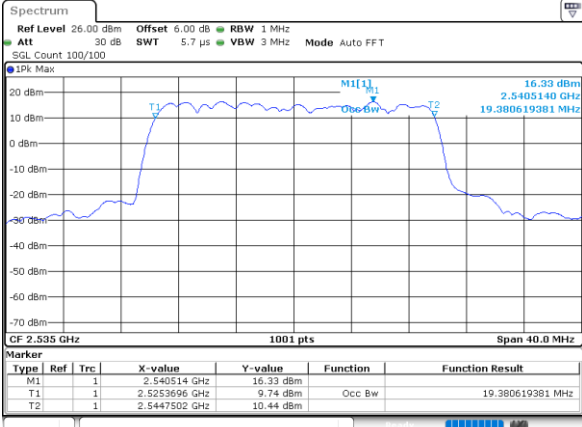


Date: 14 JUN 2022 08:59:08



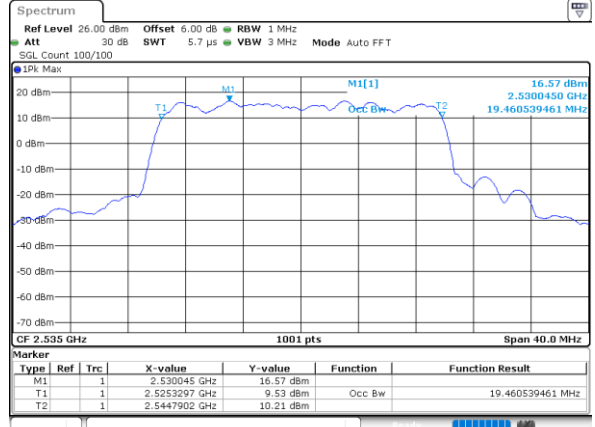
FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



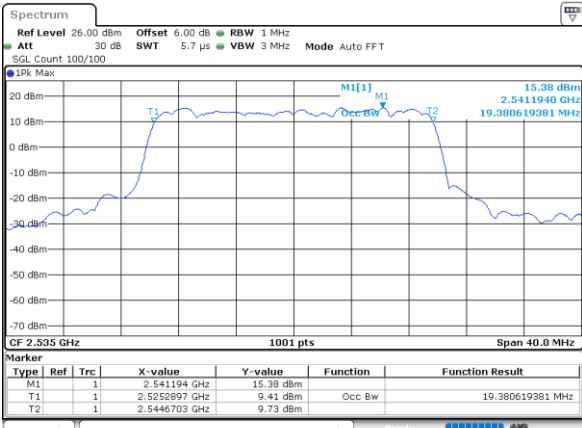
Date: 14 JUN 2022 09:00:22

16QAM



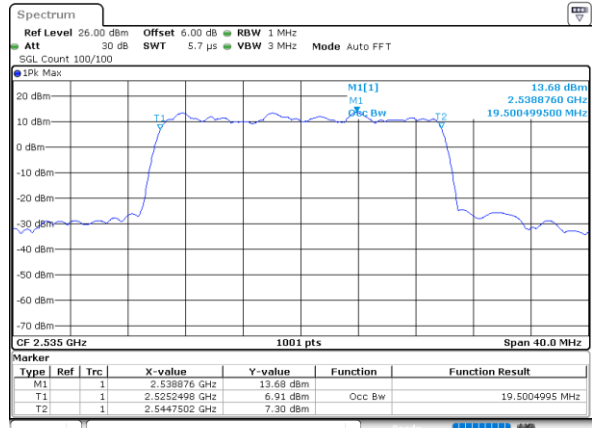
Date: 14 JUN 2022 09:00:45

64QAM



Date: 14 JUN 2022 09:01:10

256QAM



Date: 14 JUN 2022 09:01:27

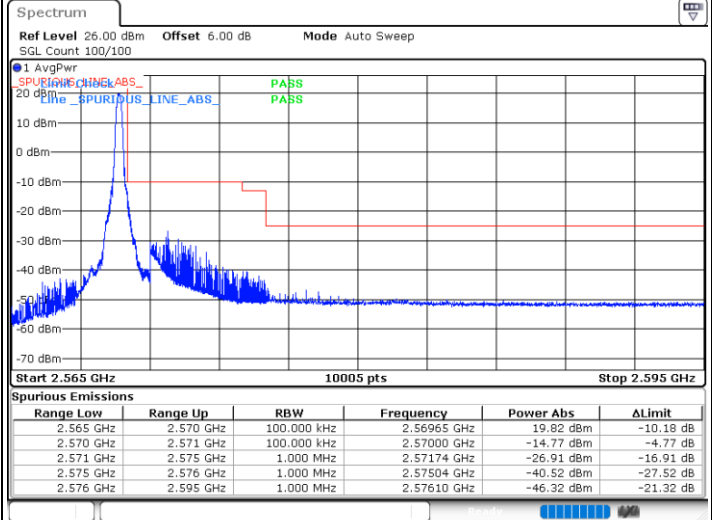
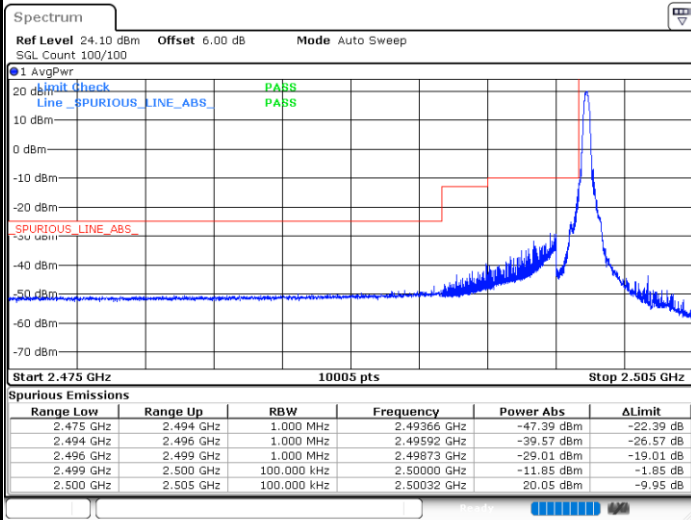


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

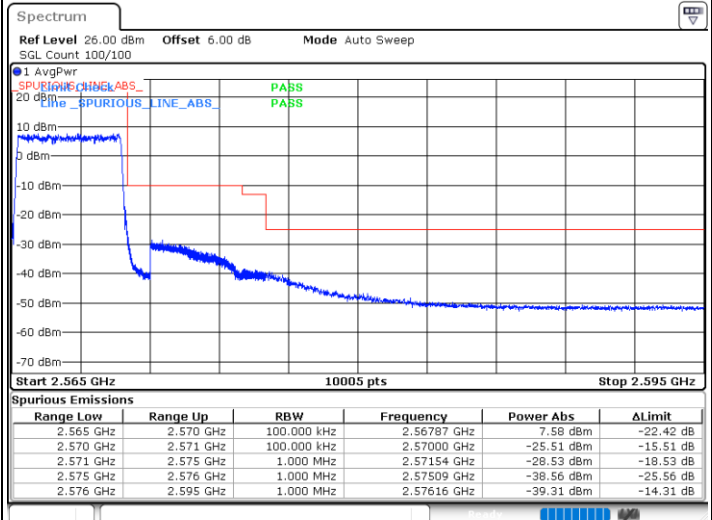
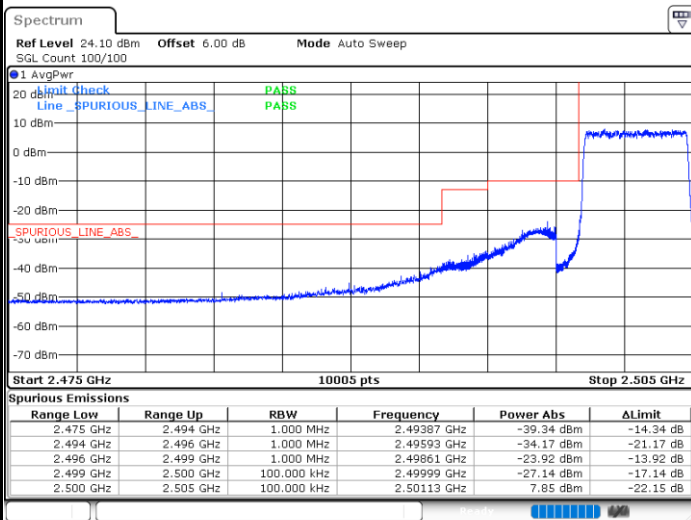


Date: 14.JUN.2022 02:23:17

Date: 14.JUN.2022 02:57:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JUN.2022 02:35:55

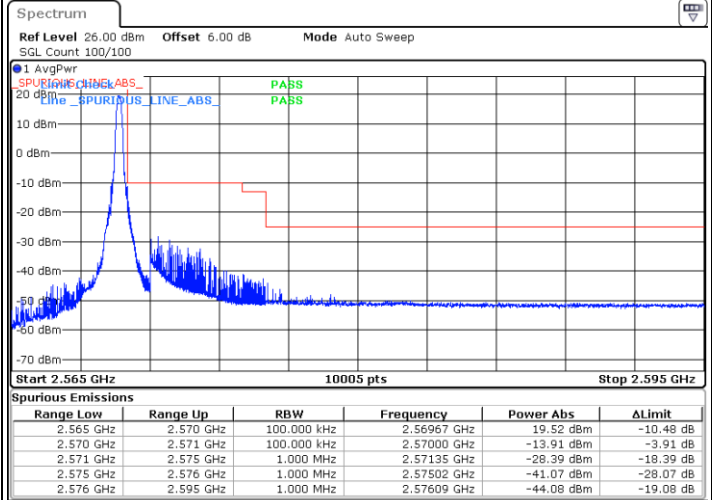
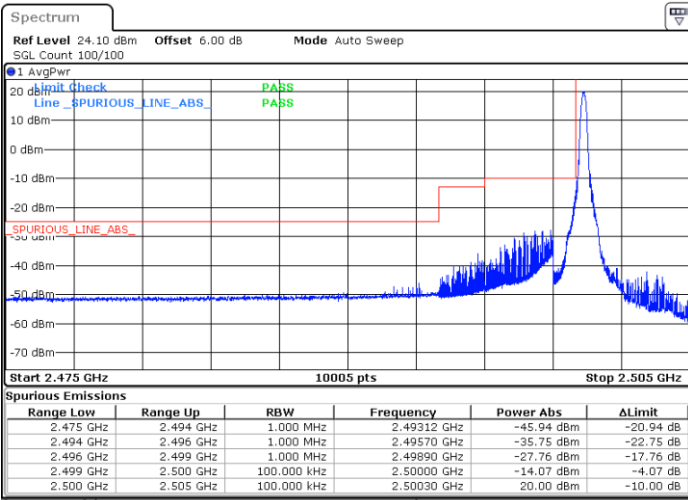
Date: 14.JUN.2022 02:59:08



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

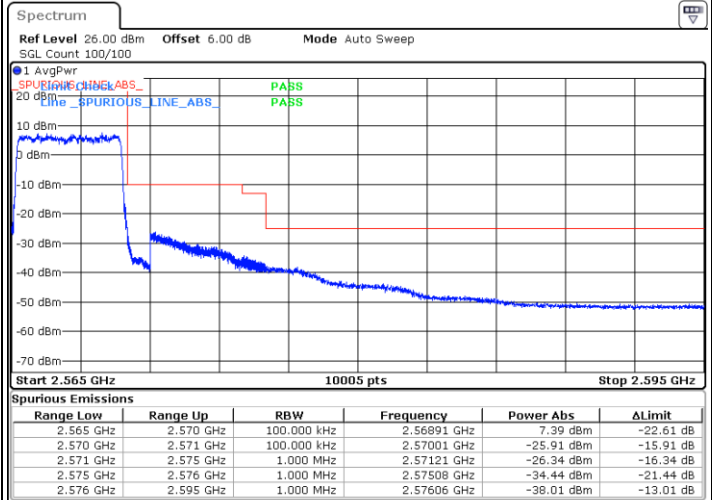
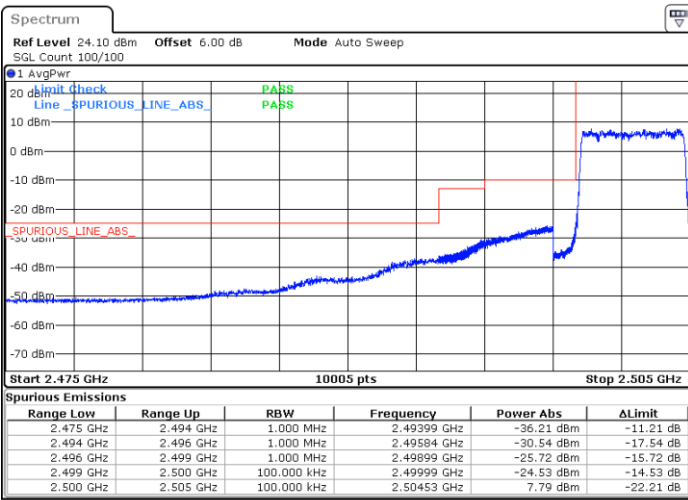


Date: 14 JUN 2022 02:35:11

Date: 14 JUN 2022 02:58:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14 JUN 2022 02:35:35

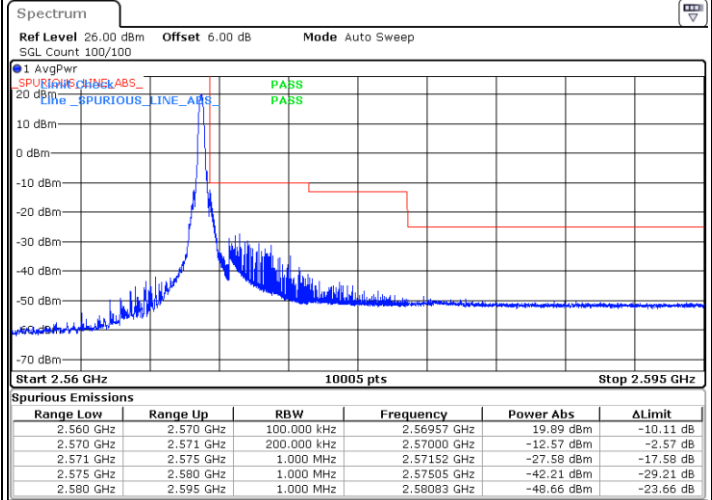
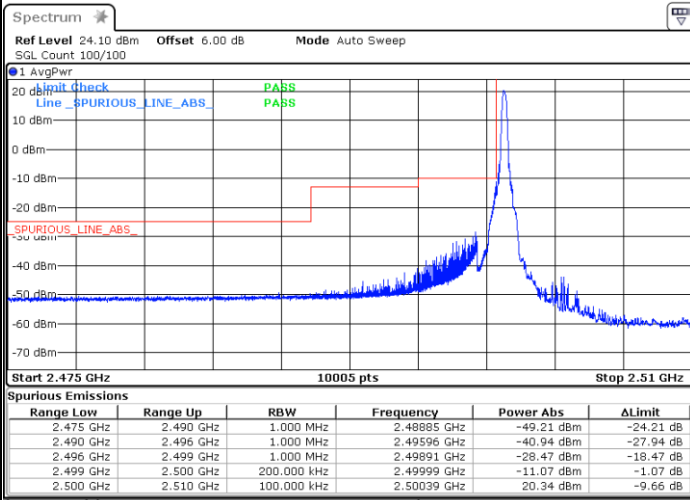
Date: 14 JUN 2022 02:58:51



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

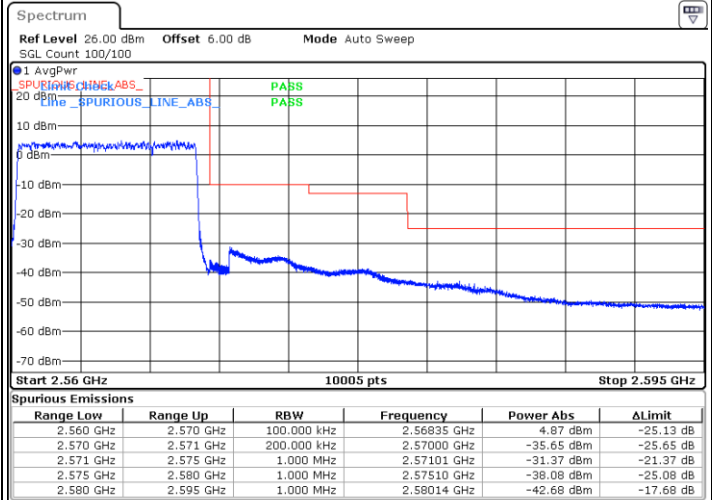
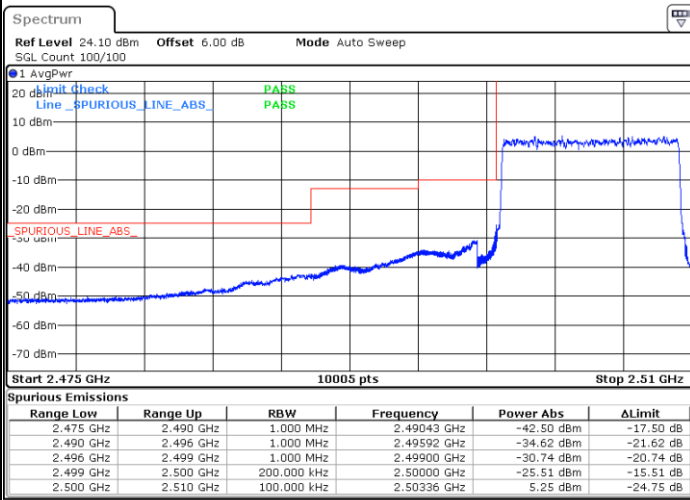


Date: 14 JUN 2022 03:03:37

Date: 14 JUN 2022 08:55:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14 JUN 2022 08:33:00

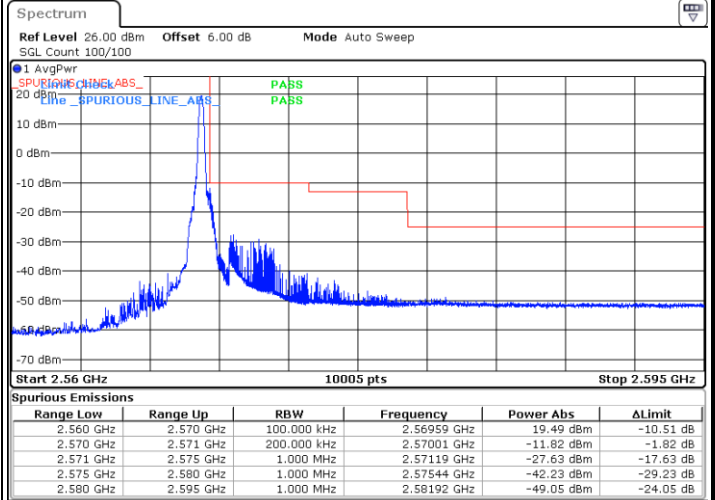
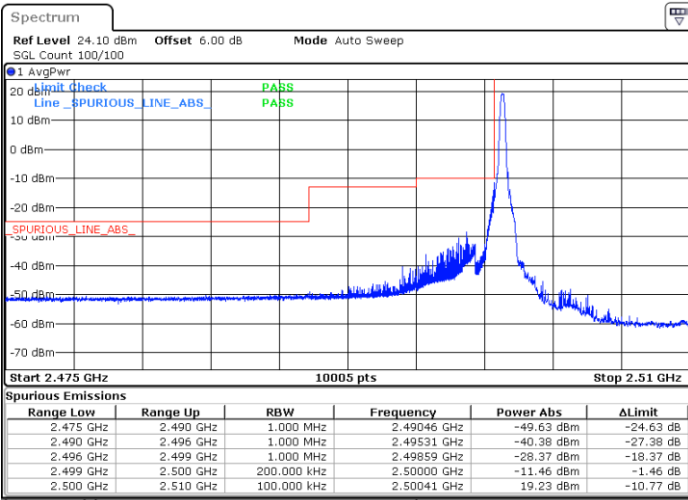
Date: 14 JUN 2022 08:56:53



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

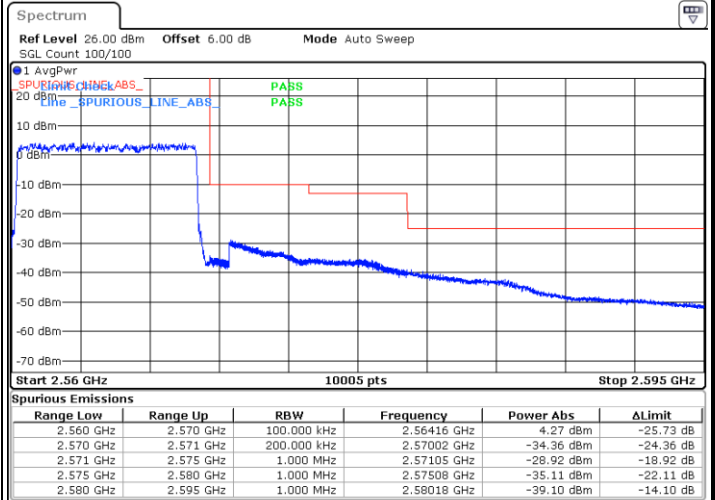
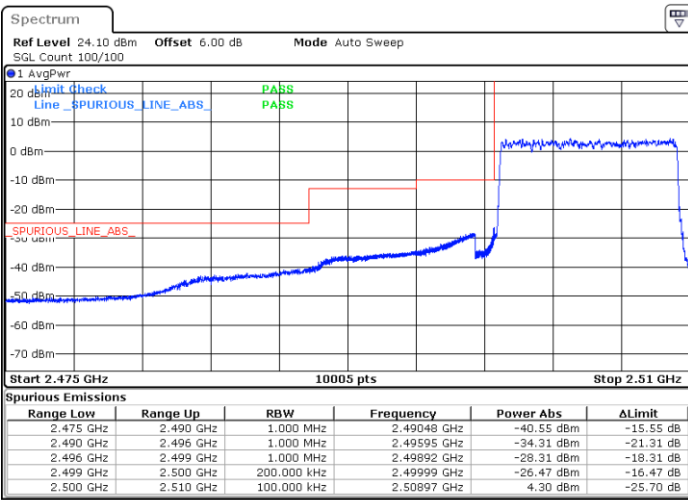


Date: 14 JUN 2022 08:32:09

Date: 14 JUN 2022 08:56:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14 JUN 2022 08:32:45

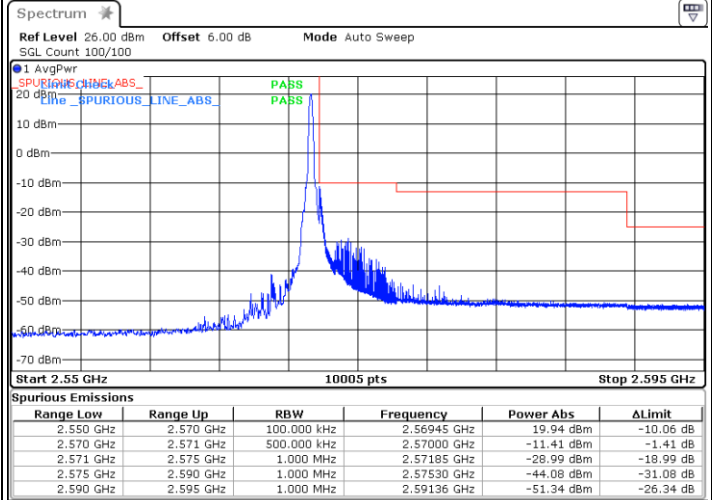
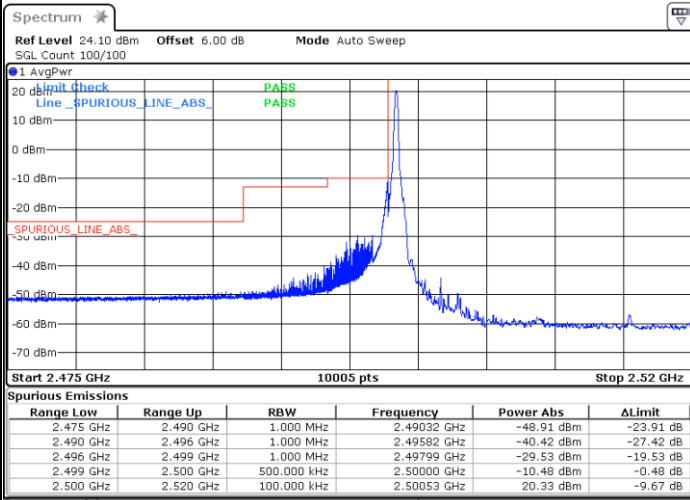
Date: 14 JUN 2022 08:56:35



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

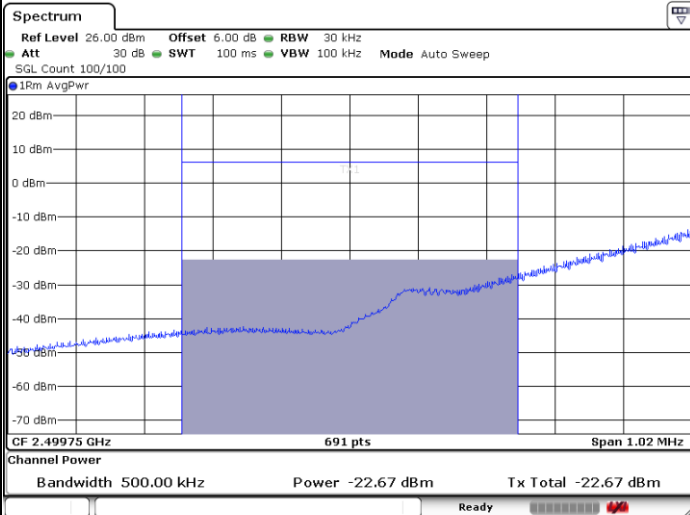
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Date: 14.JUN.2022 09:11:44

Date: 14.JUN.2022 09:14:44



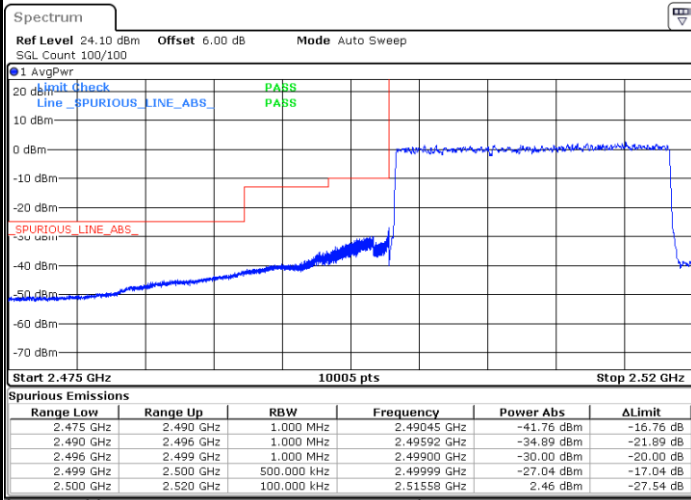
Date: 14.JUN.2022 09:18:45



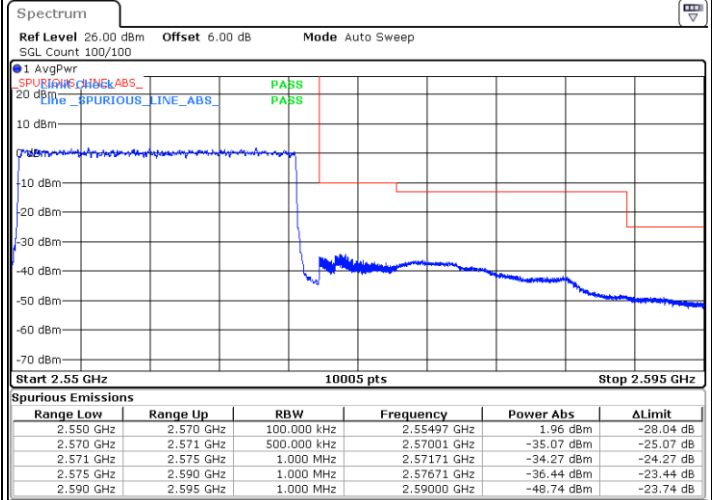
FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JUN.2022 09:12:47



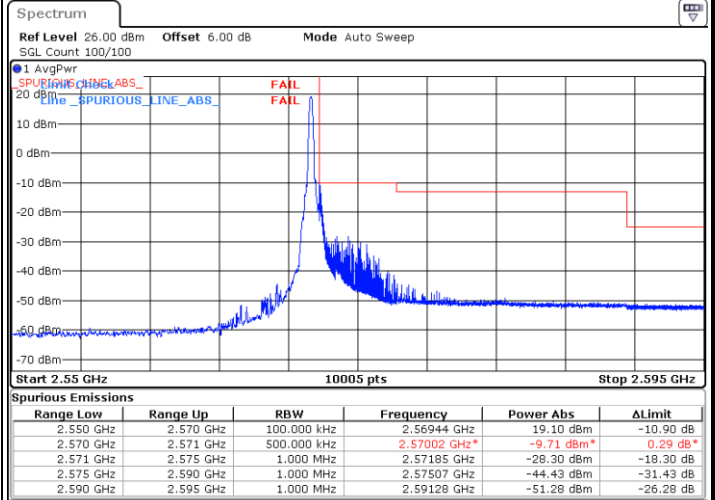
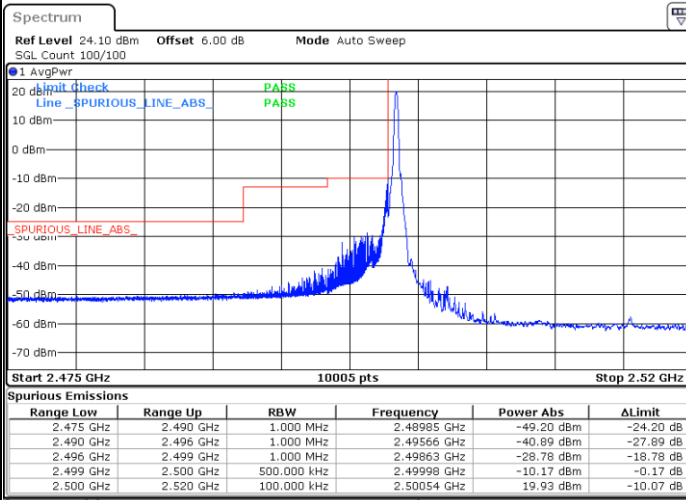
Date: 14.JUN.2022 09:13:29



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

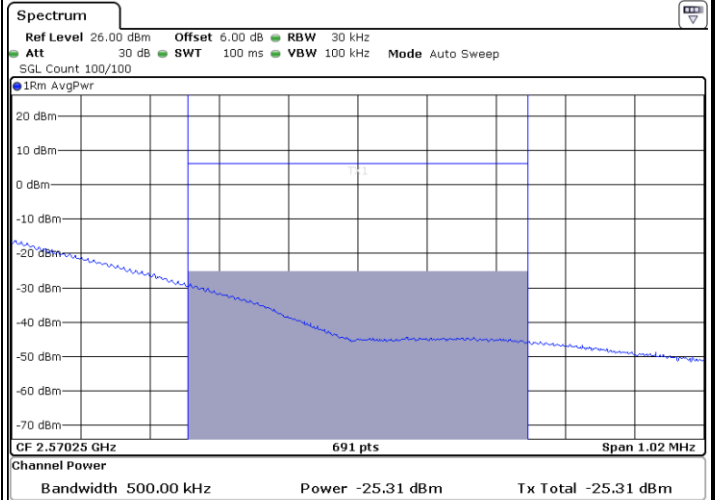
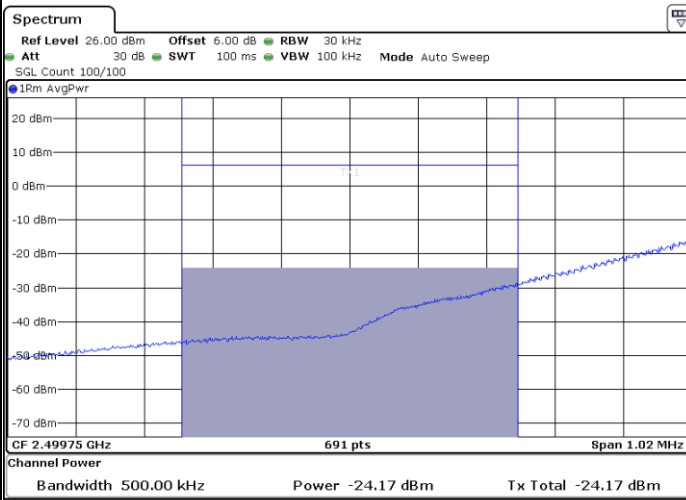
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Date: 14.JUN.2022 09:12:06

Date: 14.JUN.2022 09:14:59



Date: 14.JUN.2022 09:20:08

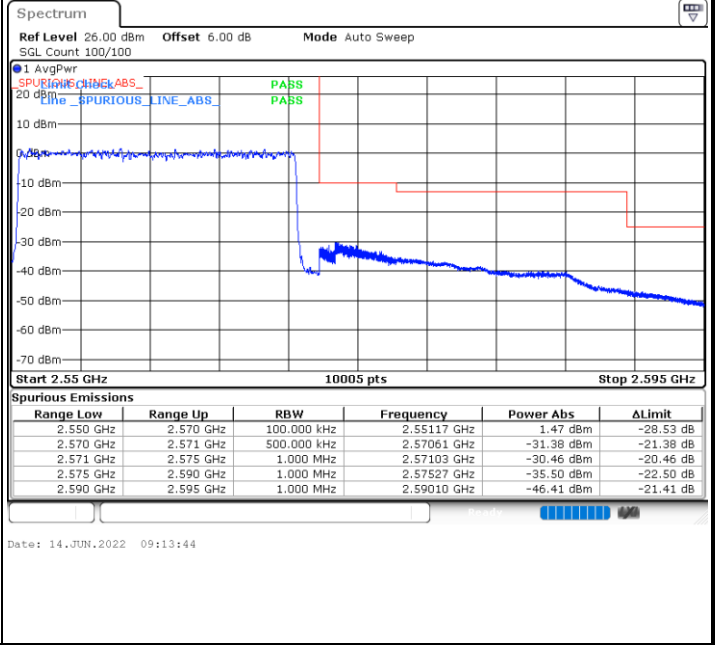
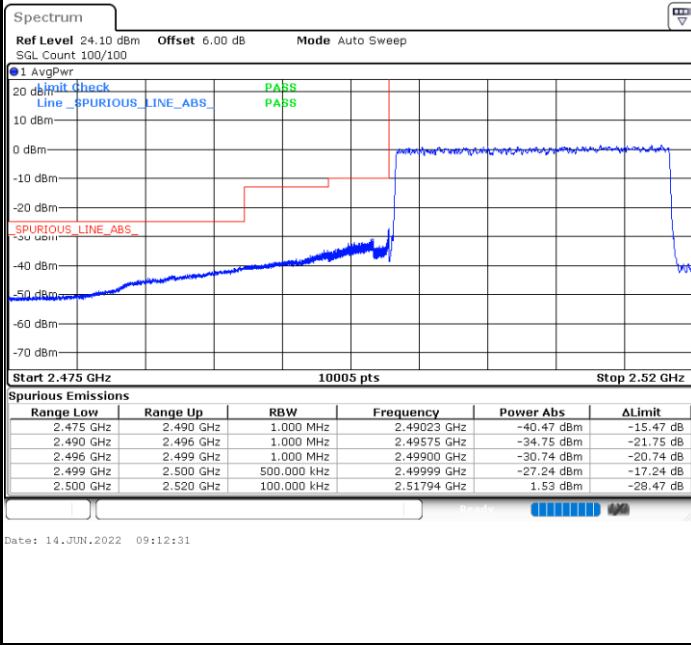
Date: 14.JUN.2022 09:21:10



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



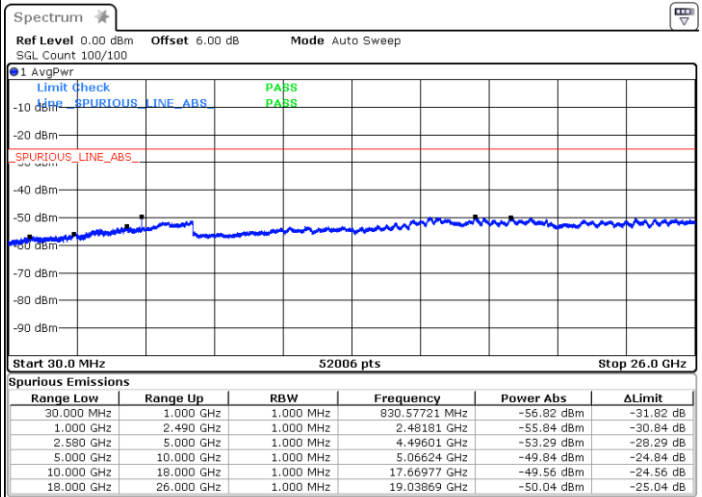
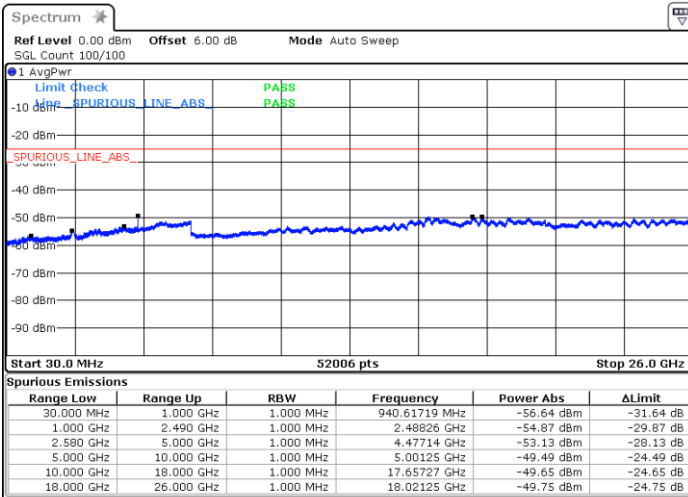


Conducted Spurious Emission

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

Lowest Channel / 1RB1

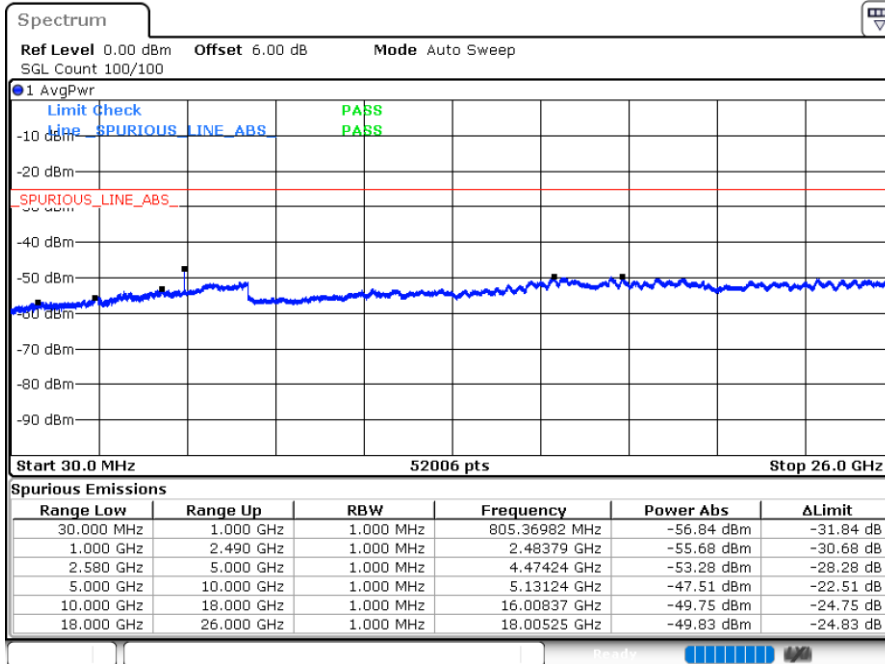
Middle Channel / 1RB1



Date: 14.JUN.2022 02:49:15

Date: 14.JUN.2022 02:52:37

Highest Channel / 1RB1



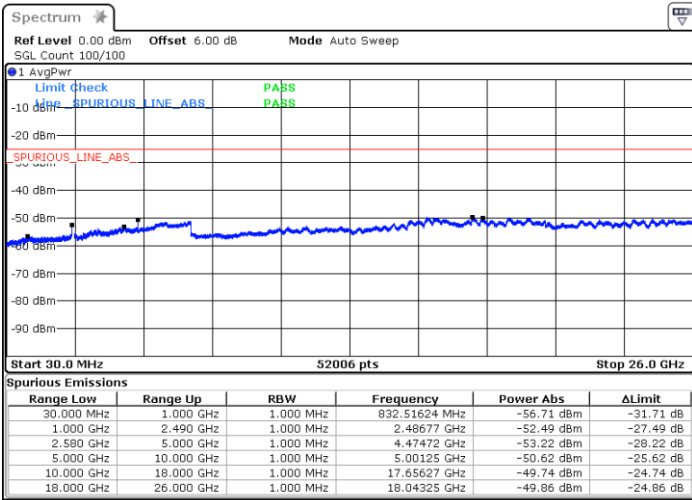
Date: 14.JUN.2022 03:00:22



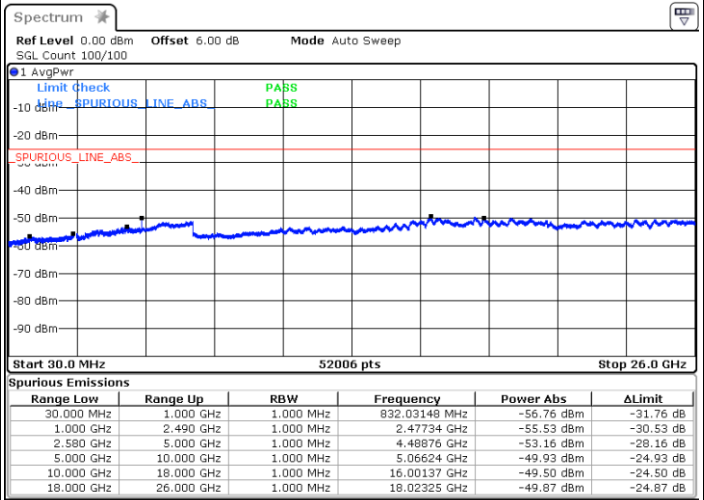
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

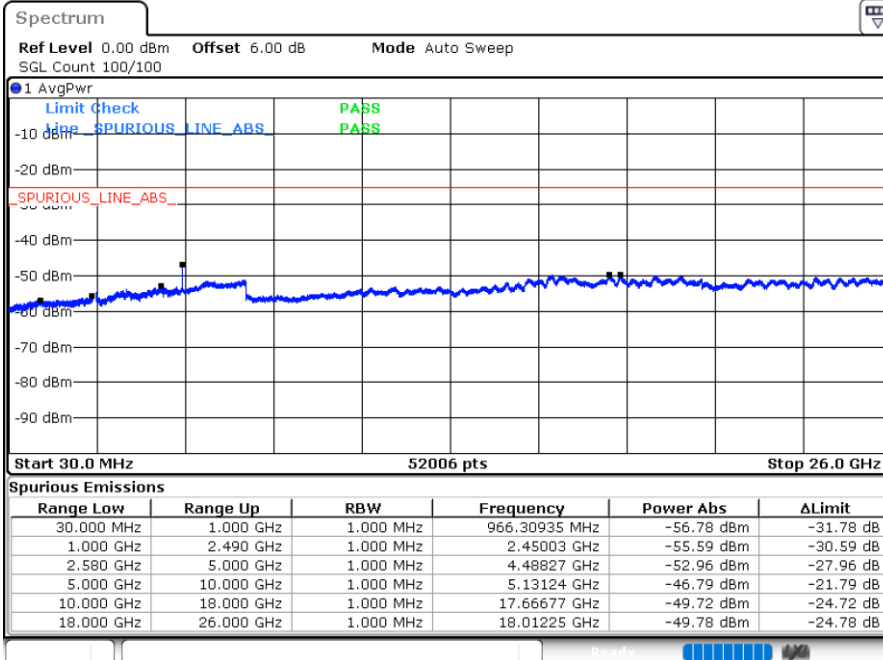


Date: 14.JUN.2022 02:50:44



Date: 14.JUN.2022 02:54:52

Highest Channel / 1RB1



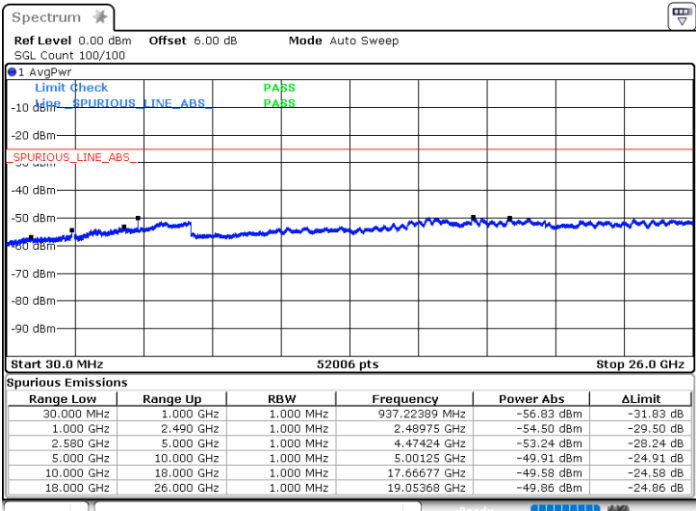
Date: 14.JUN.2022 03:01:17



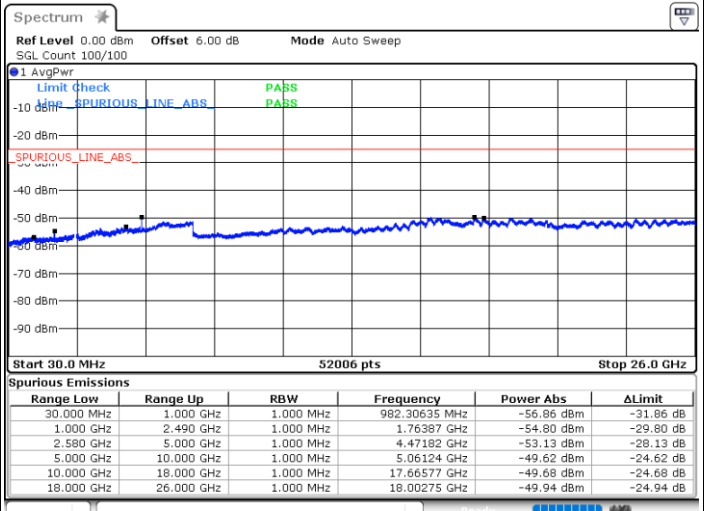
FR1 n7 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

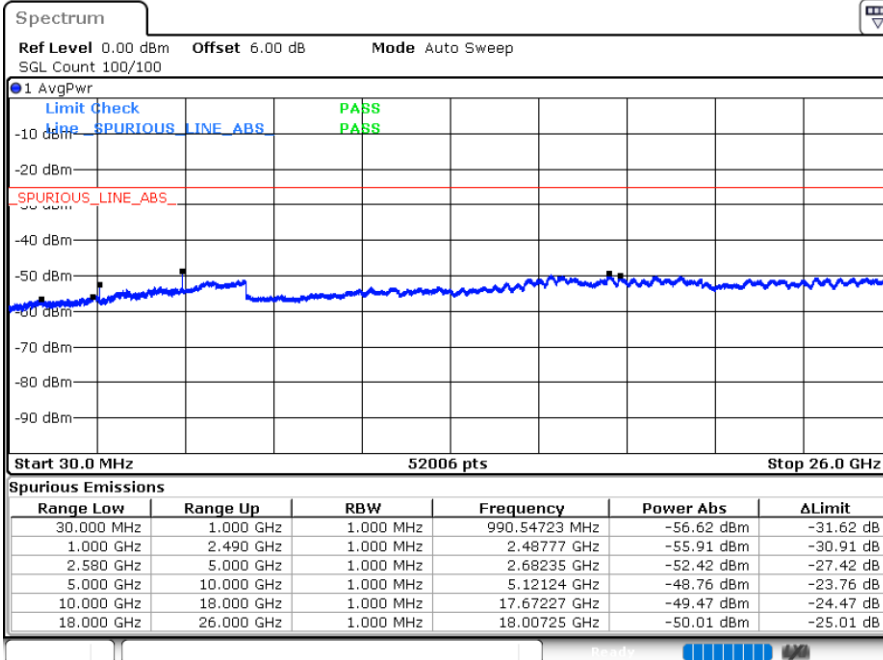


Date: 14.JUN.2022 08:45:08



Date: 14.JUN.2022 08:48:01

Highest Channel / 1RB1



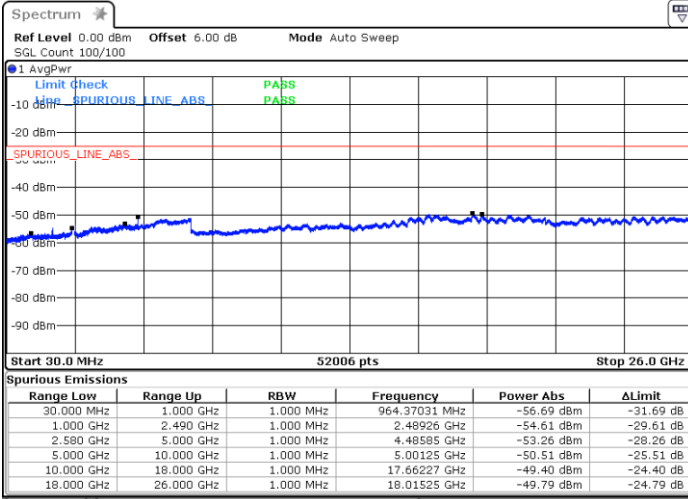
Date: 14.JUN.2022 08:52:07



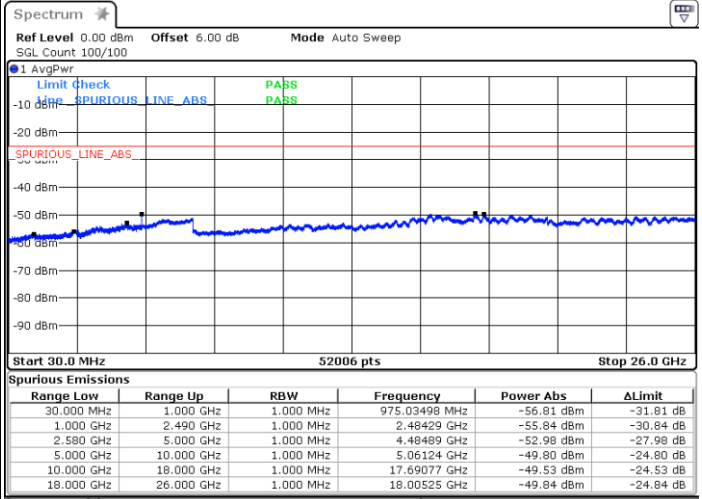
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

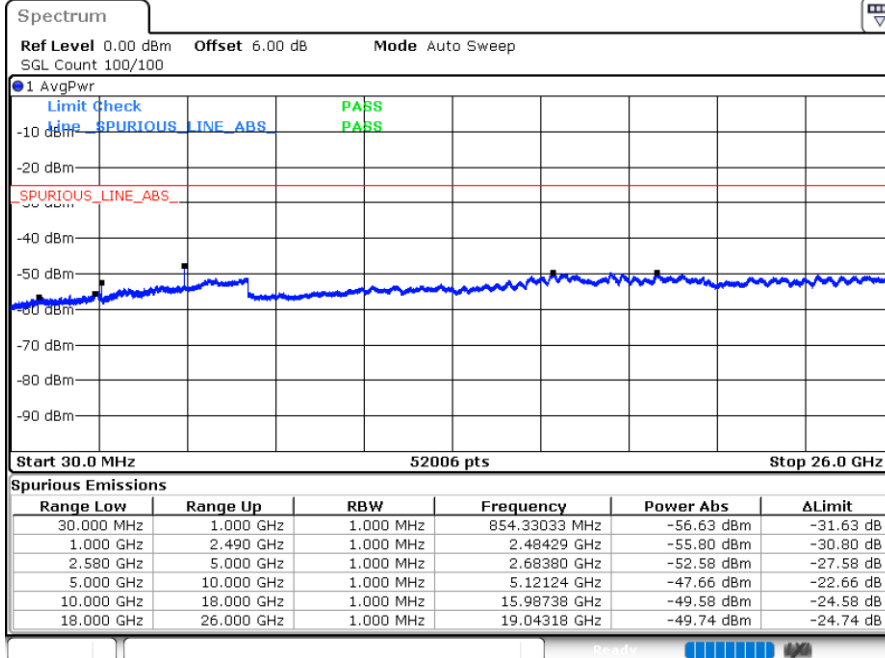


Date: 14.JUN.2022 08:46:14



Date: 14.JUN.2022 08:49:02

Highest Channel / 1RB1



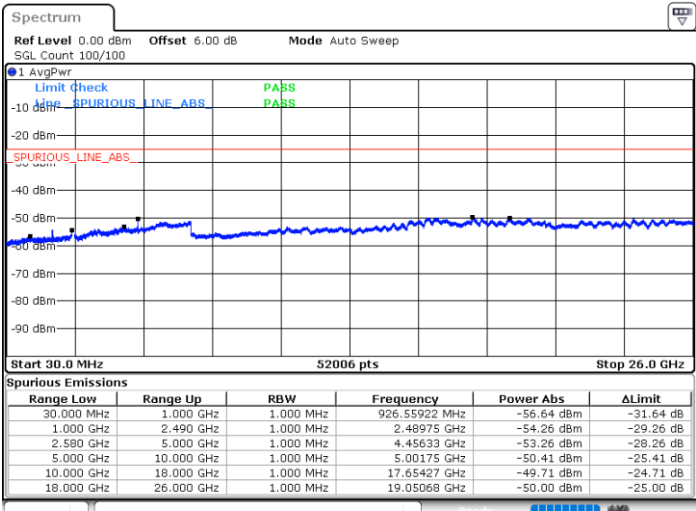
Date: 14.JUN.2022 08:54:01



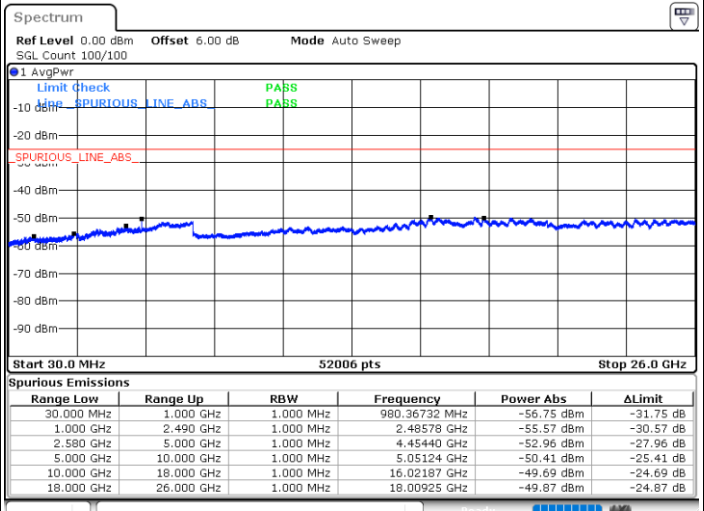
FR1 n7 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

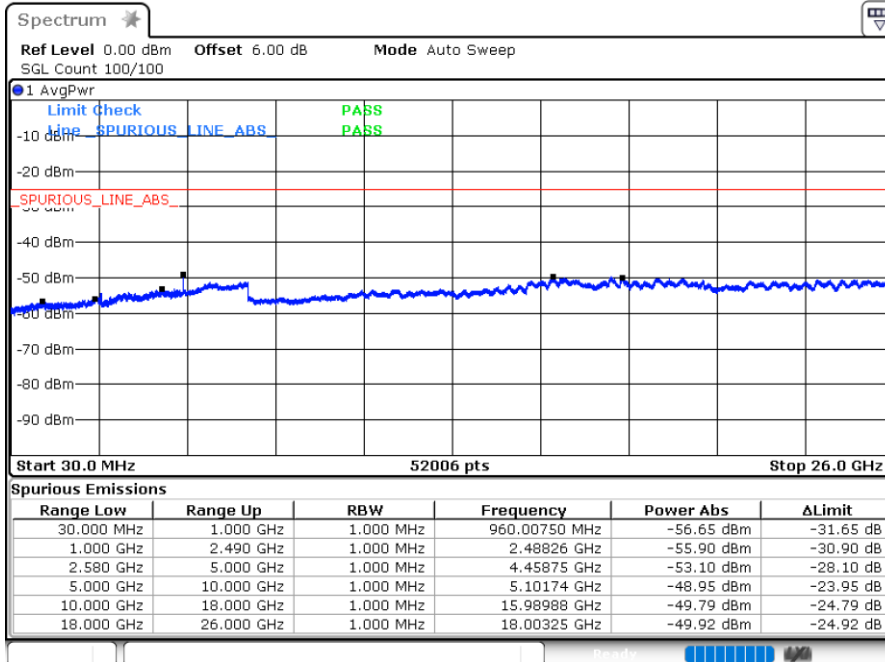


Date: 14.JUN.2022 09:08:46



Date: 14.JUN.2022 09:05:55

Highest Channel / 1RB1



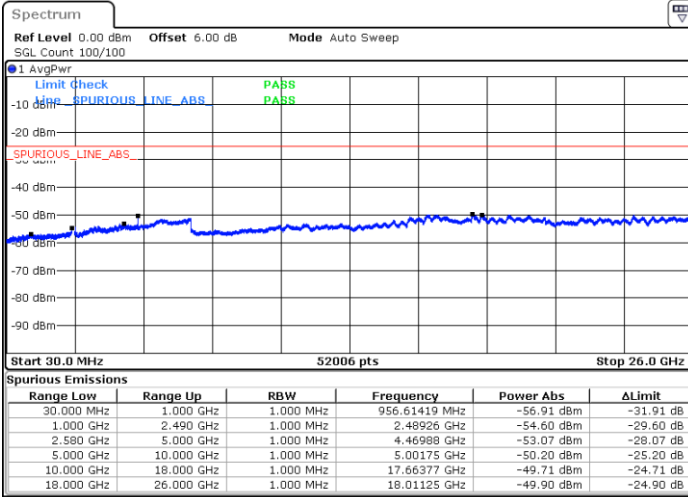
Date: 14.JUN.2022 09:16:10



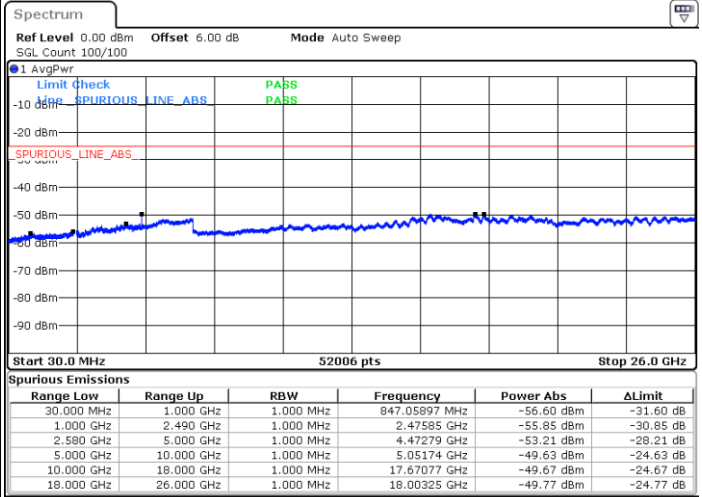
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

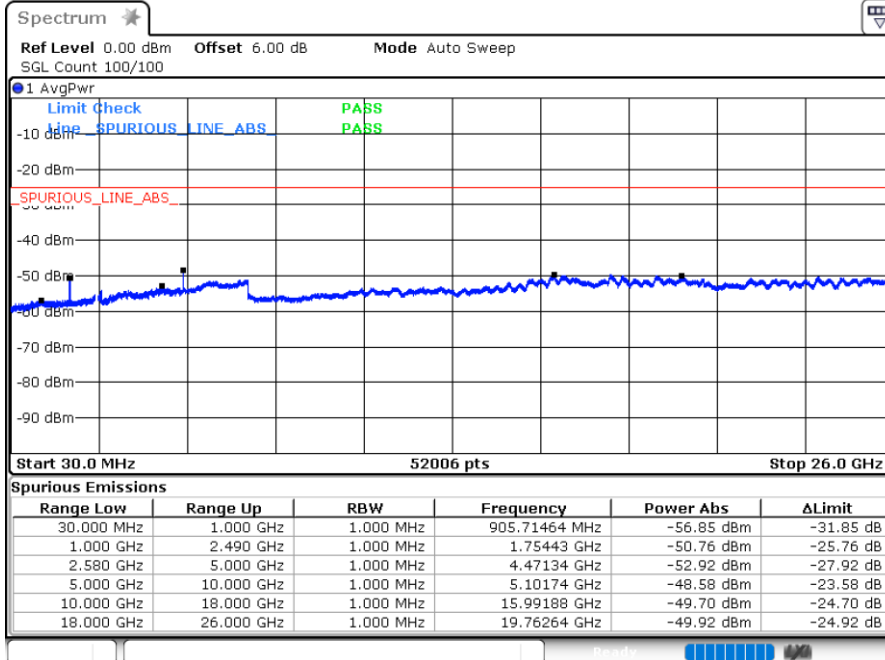


Date: 14.JUN.2022 09:09:48



Date: 14.JUN.2022 09:07:22

Highest Channel / 1RB1



Date: 14.JUN.2022 09:17:10



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0001	

Note:

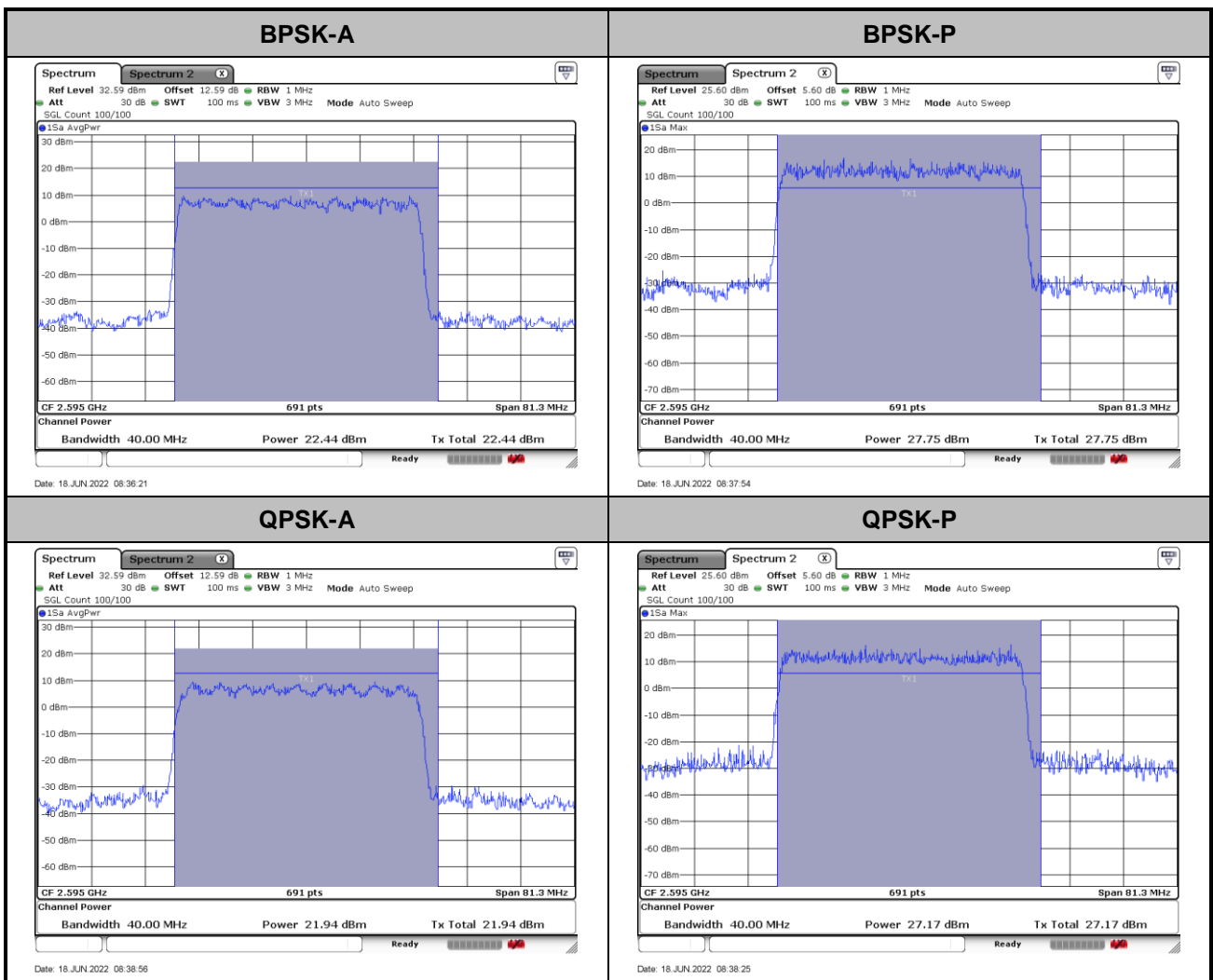
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 71A_n38

Peak-to-Average Ratio

Mode	FR1 n38 /40MHz / DFT-S OFDM		
Mod.	40M		Limit: 13dB
RB Size	BPSK	QPSK	Result
Middle CH	5.31	5.23	PASS





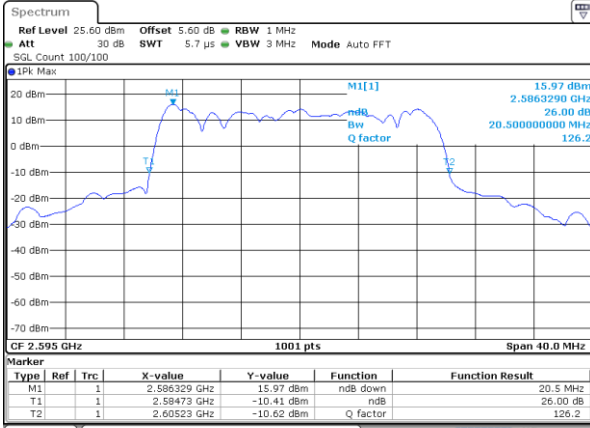
26dB Bandwidth

Mode	FR1 n38 : 26dB BW(MHz) / CP			
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	20.5	20.70	20.46	20.3
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.97	29.13	29.01	28.89
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.12	40.12	40.28	40.2



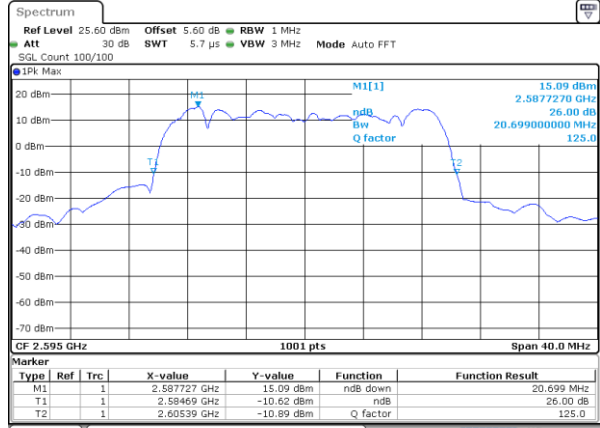
20M

QPSK



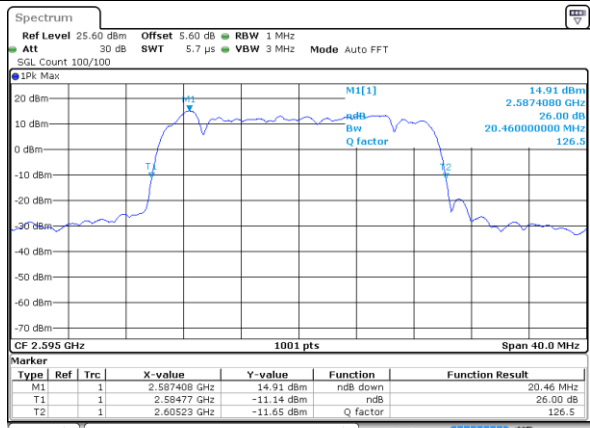
Date: 18 JUN 2022 07:44:56

16QAM



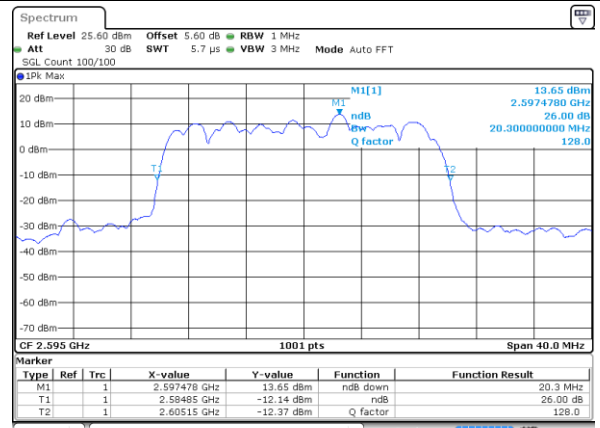
Date: 18 JUN 2022 07:45:32

64QAM



Date: 18 JUN 2022 07:45:56

256QAM

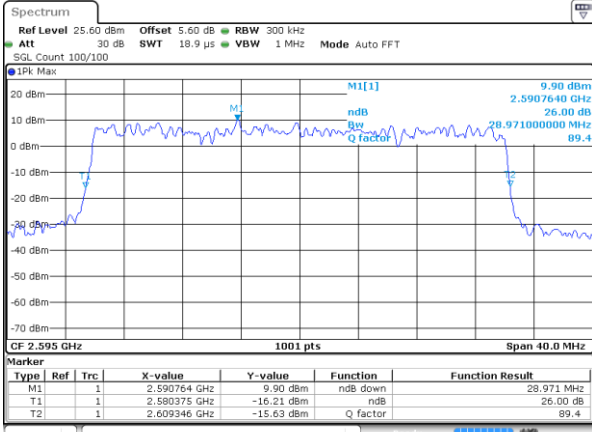


Date: 18 JUN 2022 07:46:19



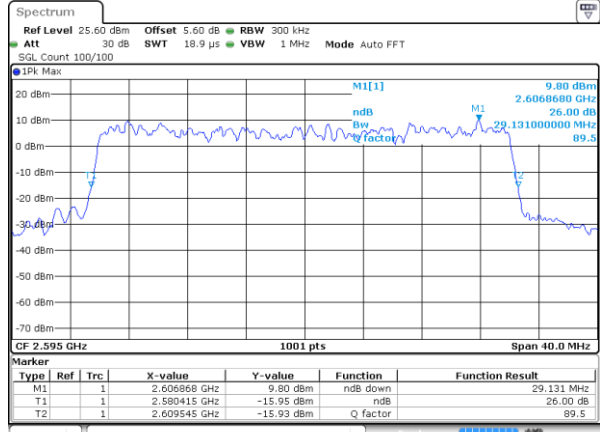
30M

QPSK



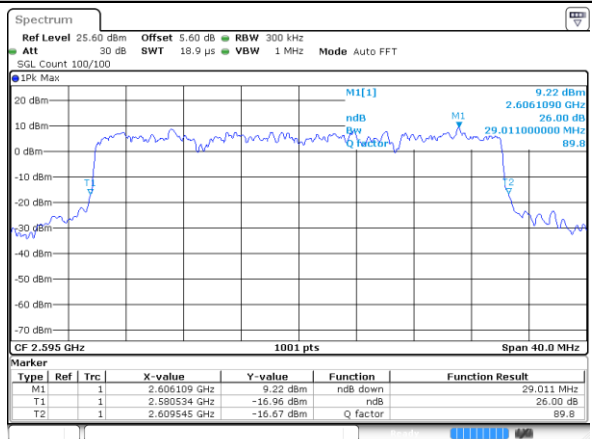
Date: 18 JUN 2022 08:04:47

16QAM



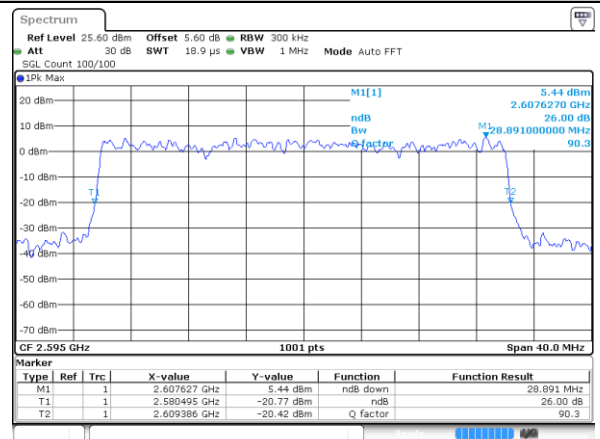
Date: 18 JUN 2022 08:05:35

64QAM



Date: 18 JUN 2022 08:06:04

256QAM

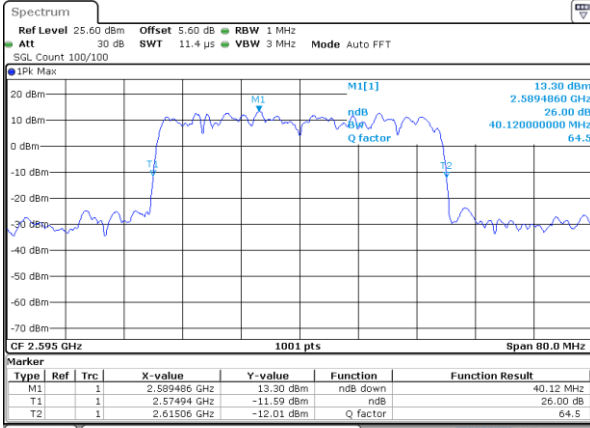


Date: 18 JUN 2022 08:06:32



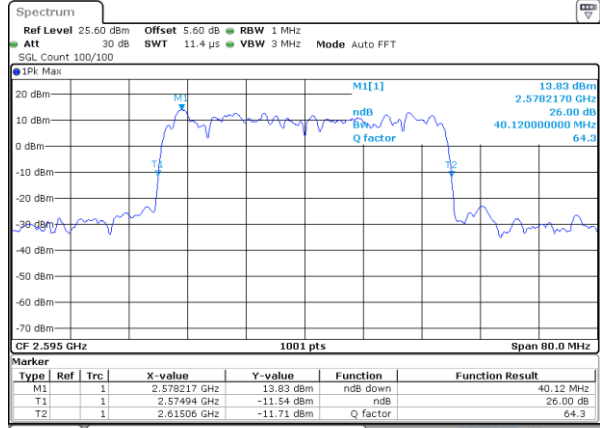
40M

QPSK



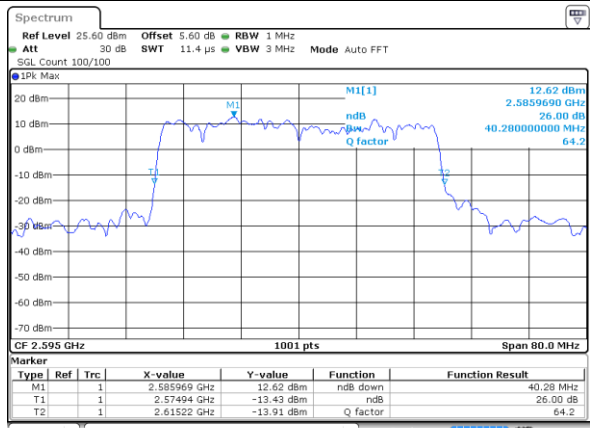
Date: 18 JUN 2022 08:31:27

16QAM



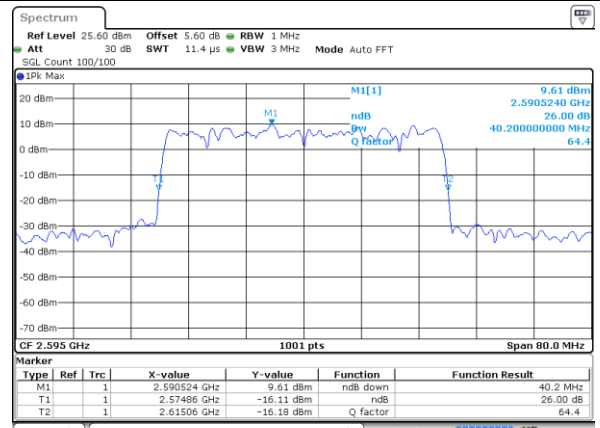
Date: 18 JUN 2022 08:31:44

64QAM



Date: 18 JUN 2022 08:32:02

256QAM



Date: 18 JUN 2022 08:32:20



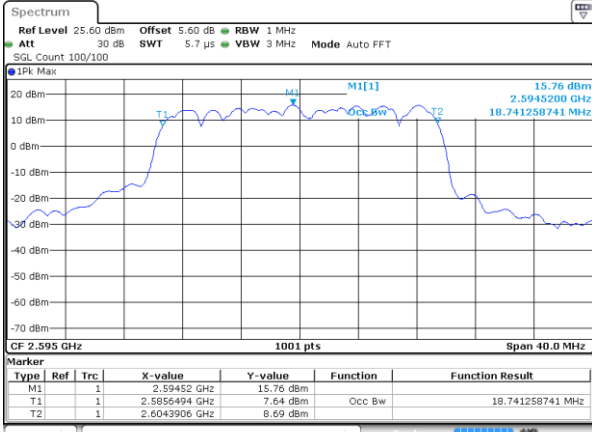
Occupied Bandwidth

Mode	FR1 n38: OB BW(MHz) / CP			
BW	20M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.74	18.78	18.86	18.78
BW	30M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.81	27.85	27.81	27.85
BW	40M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	38.04	38.28	38.36	37.88



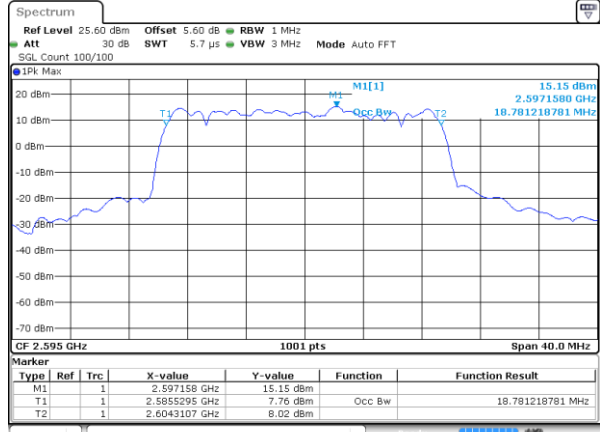
20M

QPSK



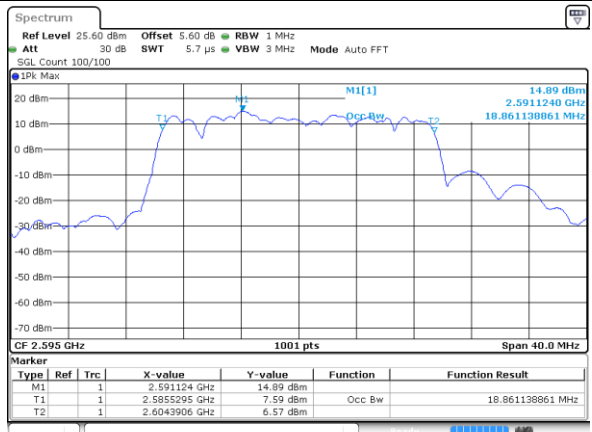
Date: 18 JUN 2022 07:44:47

16QAM



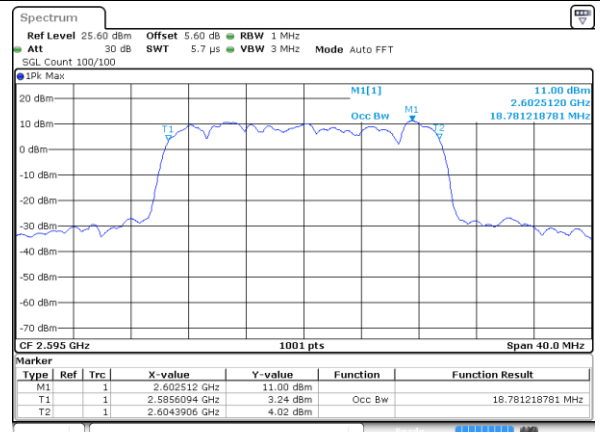
Date: 18 JUN 2022 07:45:15

64QAM



Date: 18 JUN 2022 07:45:45

256QAM

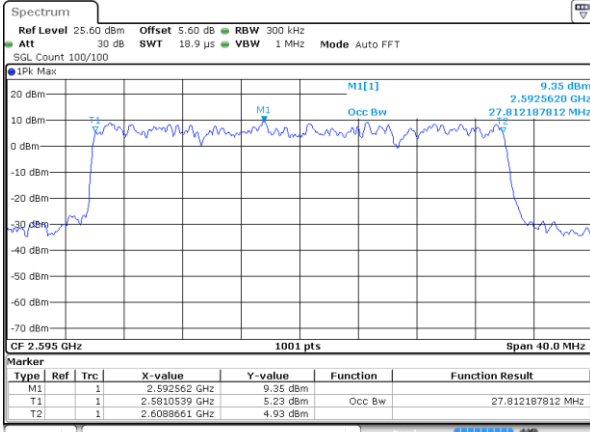


Date: 18 JUN 2022 07:46:08



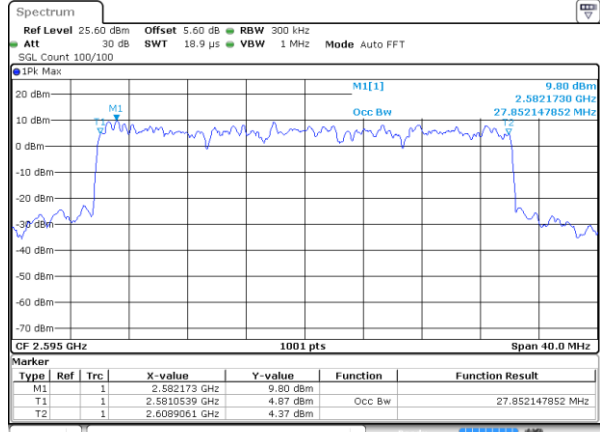
30M

QPSK



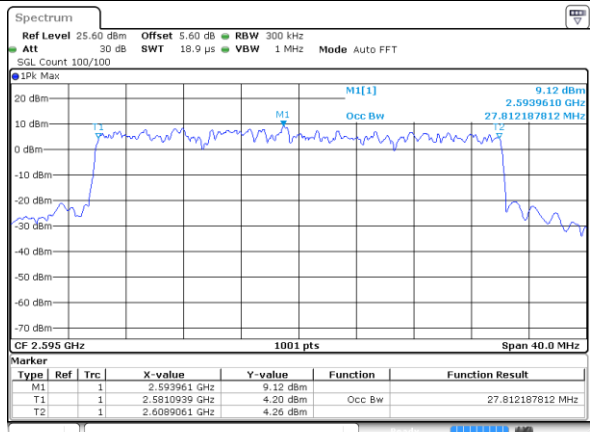
Date: 18 JUN 2022 08:04:37

16QAM



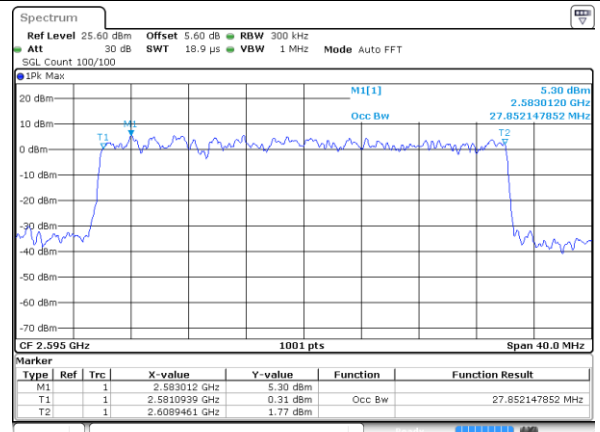
Date: 18 JUN 2022 08:05:26

64QAM



Date: 18 JUN 2022 08:05:56

256QAM

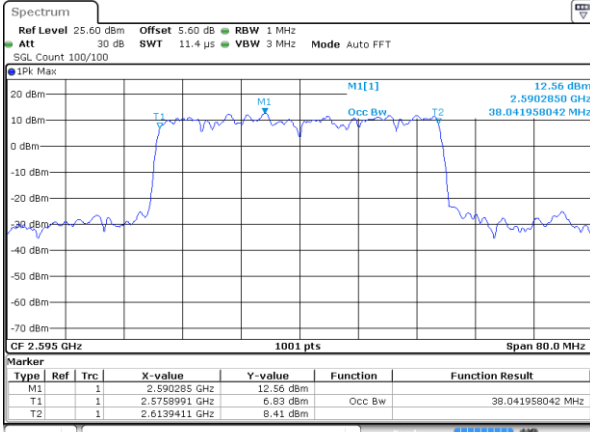


Date: 18 JUN 2022 08:06:21



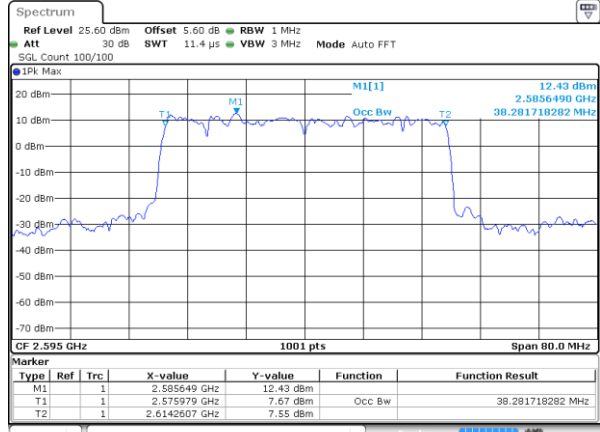
40M

QPSK



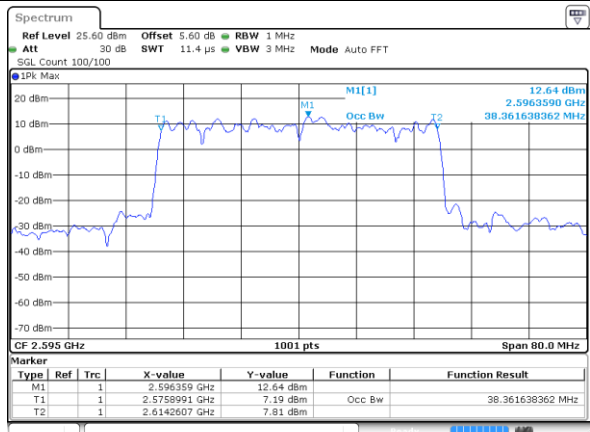
Date: 18 JUN 2022 08:31:19

16QAM



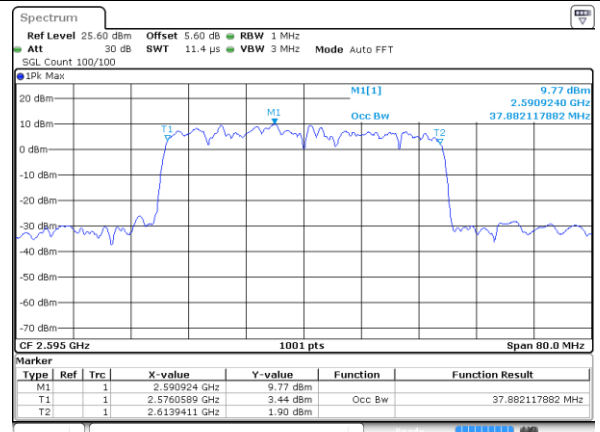
Date: 18 JUN 2022 08:31:37

4QAM



Date: 18 JUN 2022 08:31:55

256QAM



Date: 18 JUN 2022 08:32:12

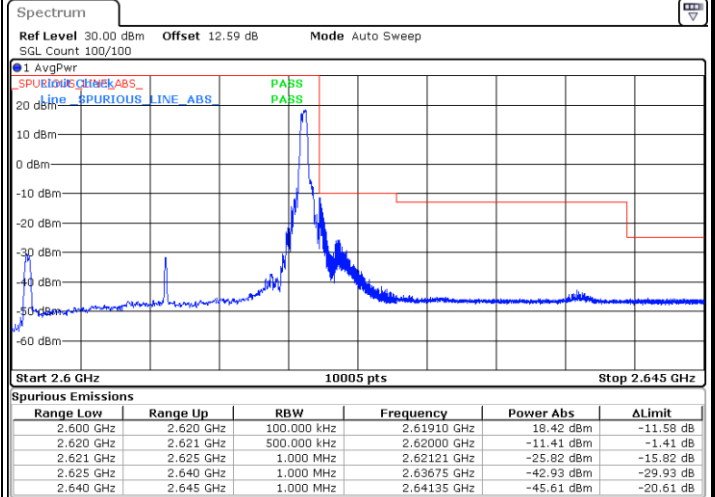
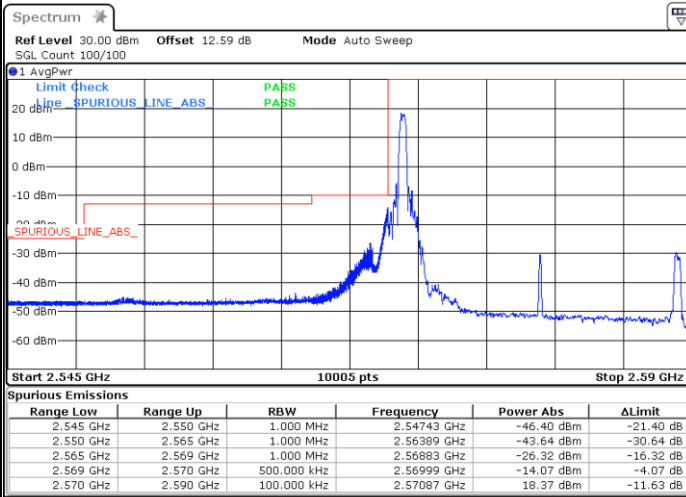


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

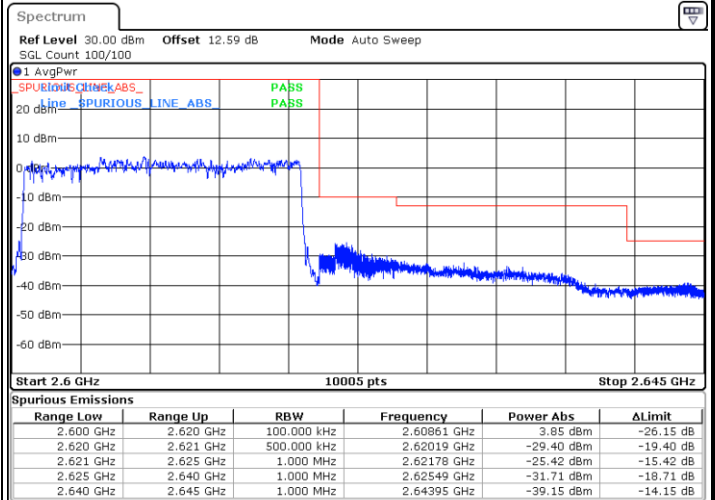
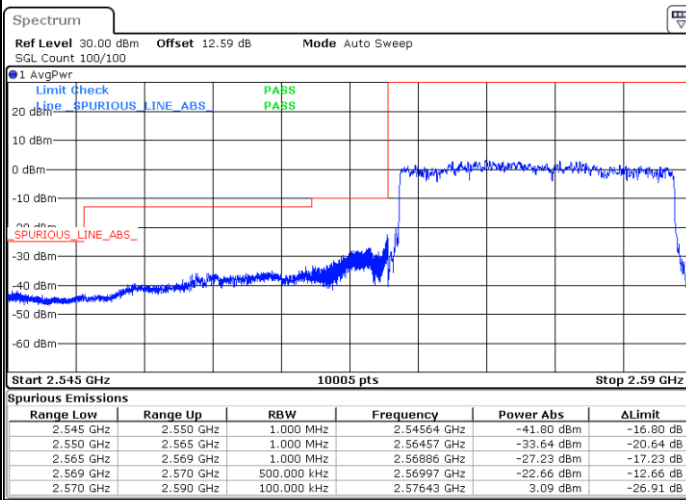


Date: 18 JUN 2022 07:38:15

Date: 18 JUN 2022 07:49:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 JUN 2022 07:39:54

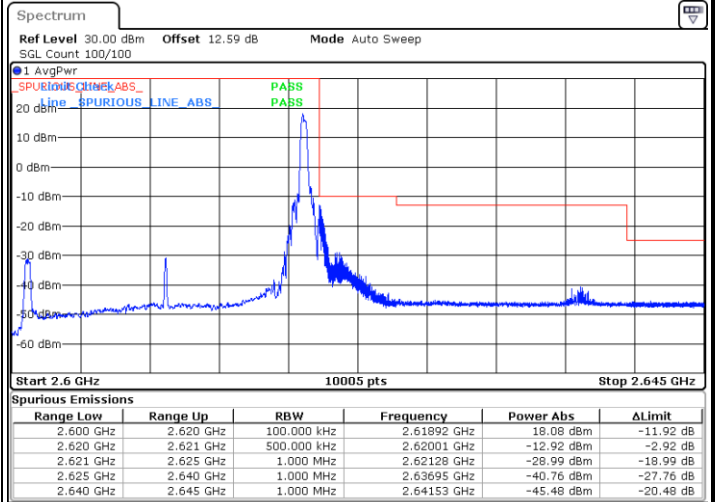
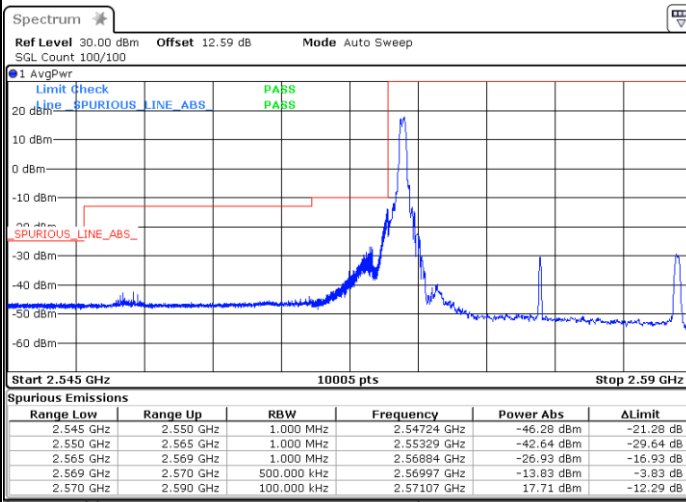
Date: 18 JUN 2022 07:47:55



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

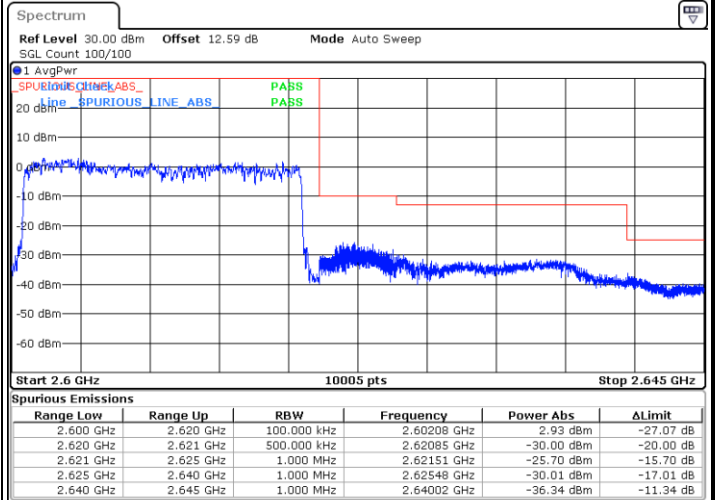
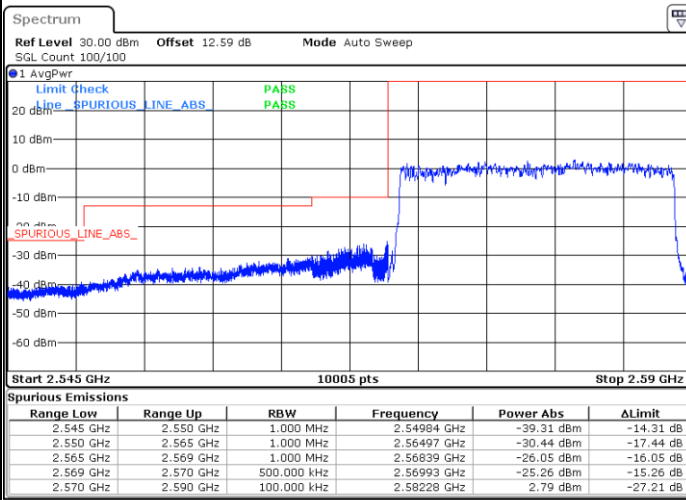


Date: 18 JUN 2022 07:39:03

Date: 18 JUN 2022 07:49:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 JUN 2022 07:39:35

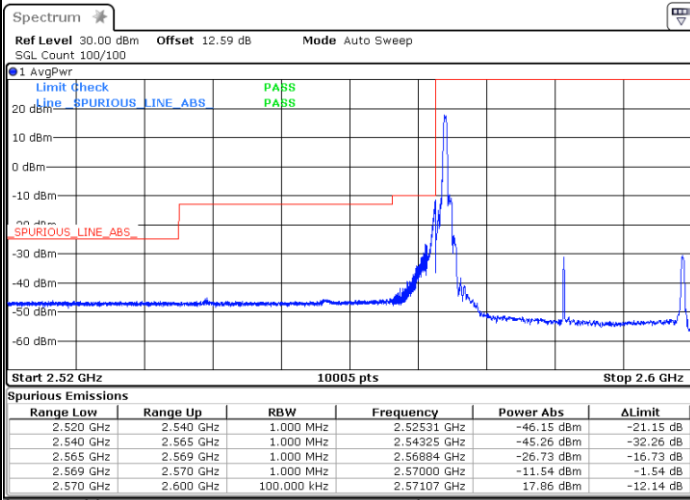
Date: 18 JUN 2022 07:49:01



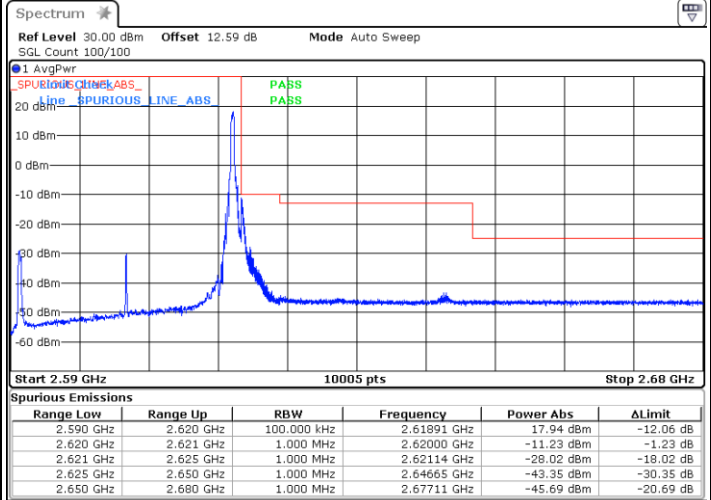
FR1 n38/ 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



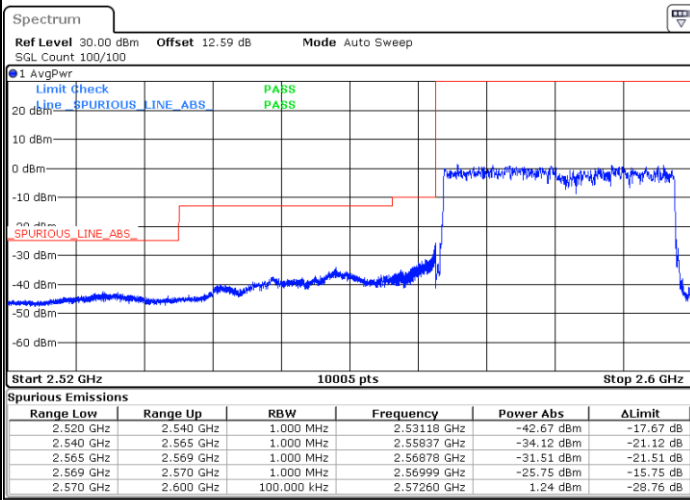
Date: 18 JUN 2022 07:57:43



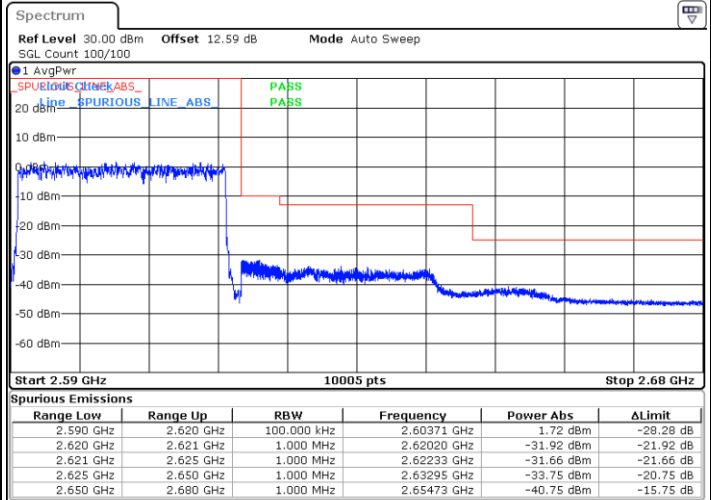
Date: 18 JUN 2022 08:12:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 JUN 2022 07:59:40



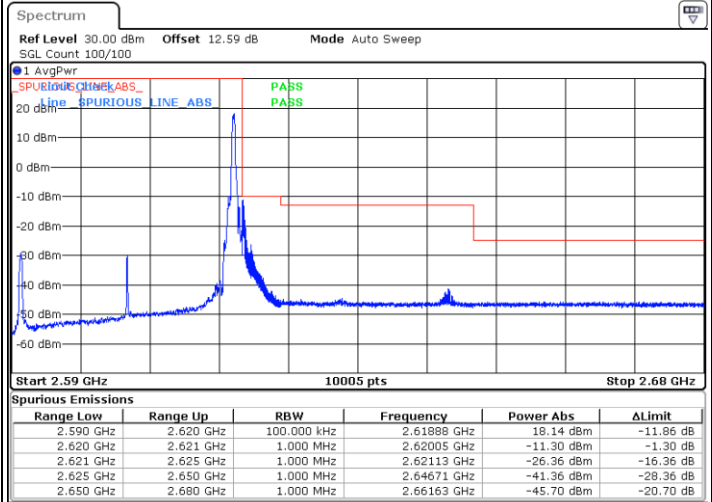
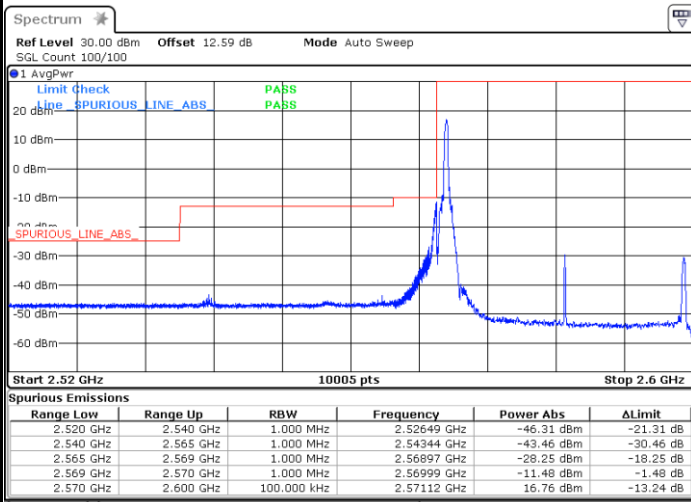
Date: 18 JUN 2022 08:09:41



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

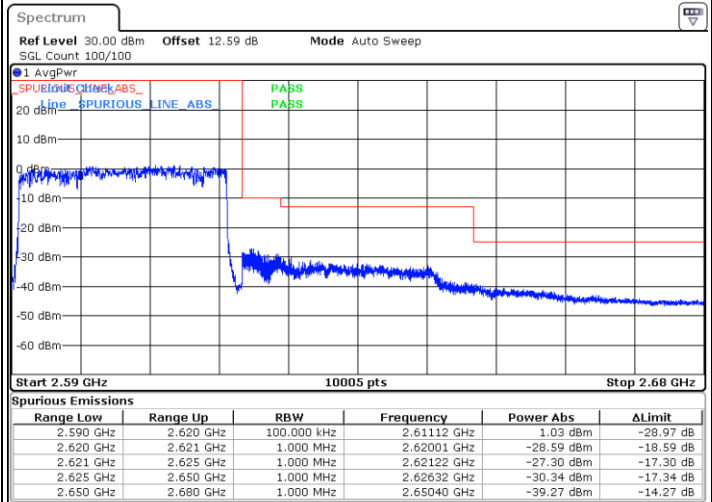
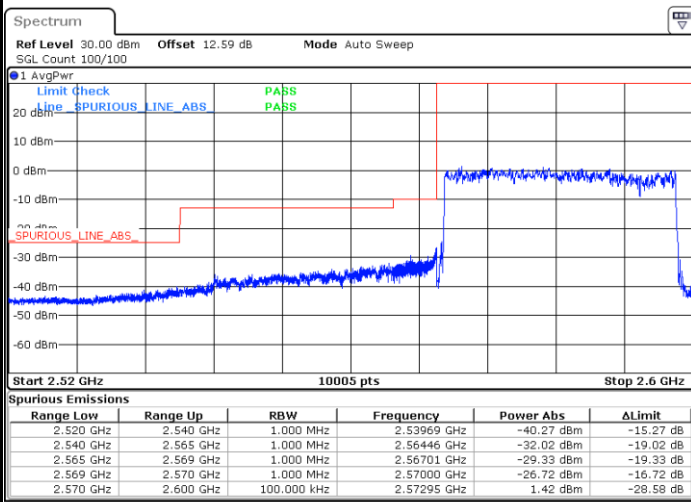


Date: 18 JUN 2022 07:58:42

Date: 18 JUN 2022 08:12:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 JUN 2022 07:59:11

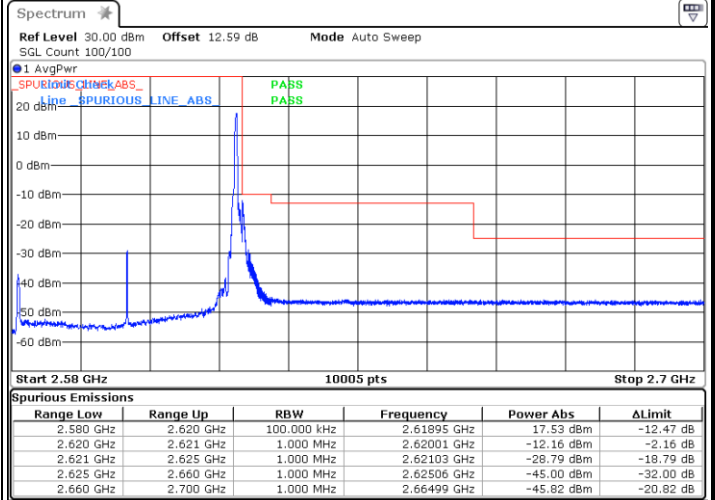
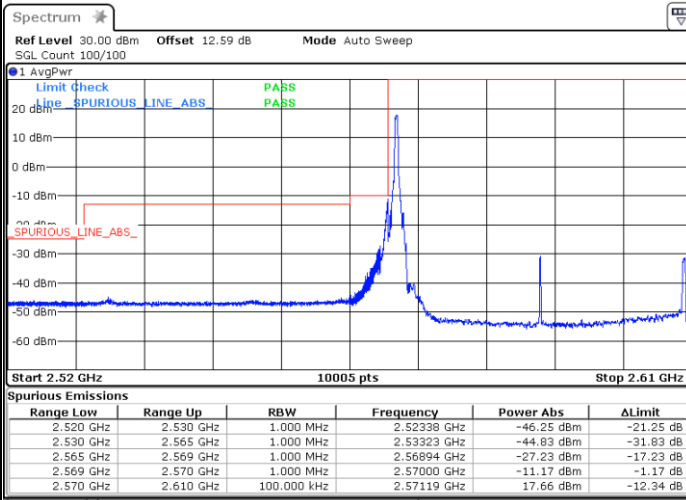
Date: 18 JUN 2022 08:11:38



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

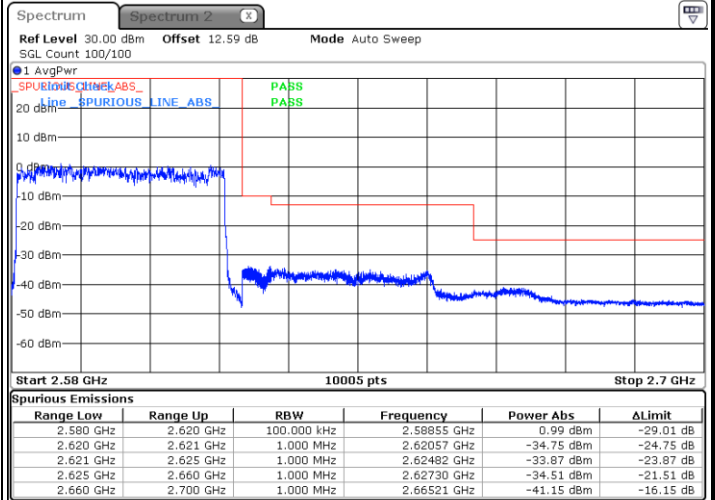
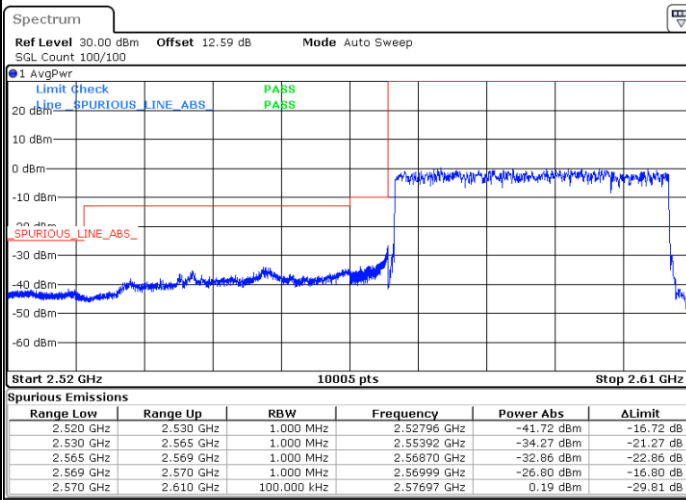


Date: 18 JUN 2022 08:19:48

Date: 18 JUN 2022 23:10:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 JUN 2022 08:24:59

Date: 18 JUN 2022 08:40:36