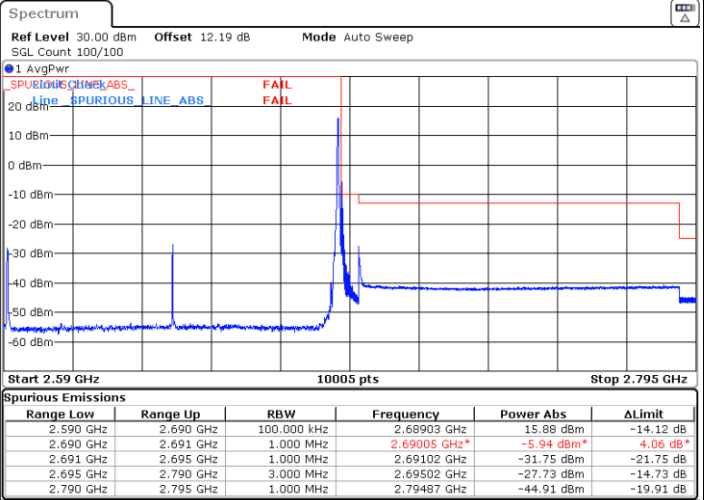
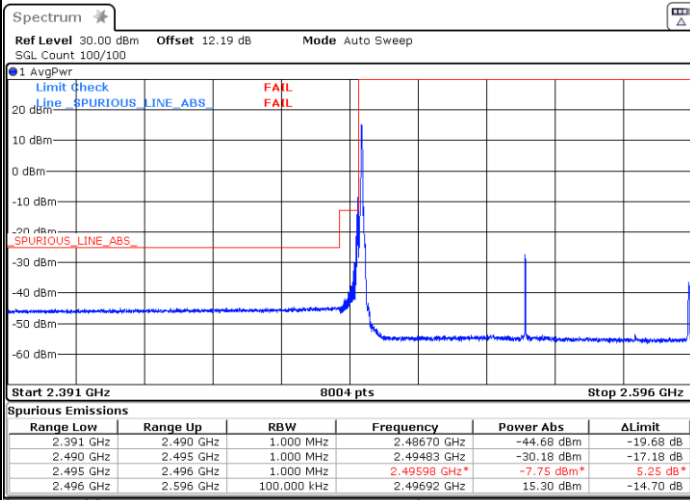




FR1 n41 / 100MHz / DFT-S OFDM / QPSK

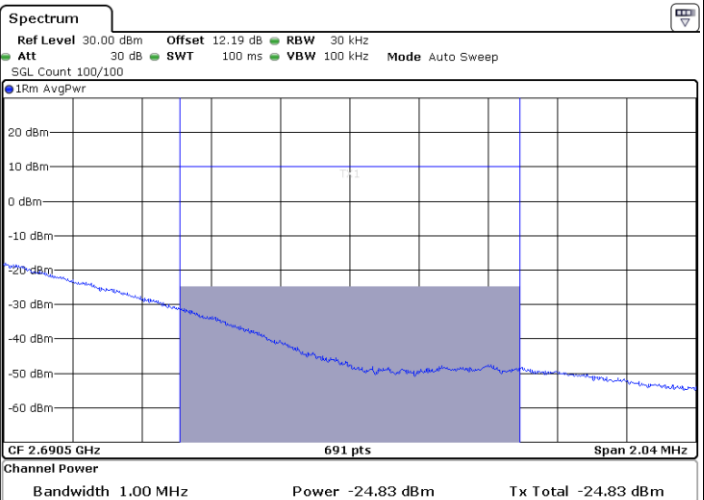
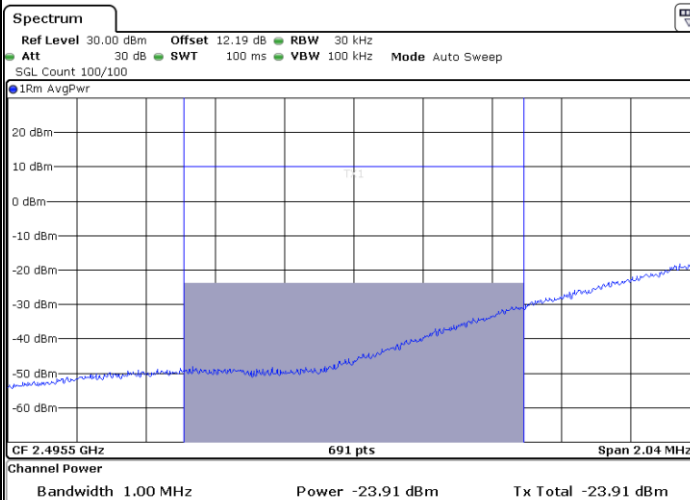
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



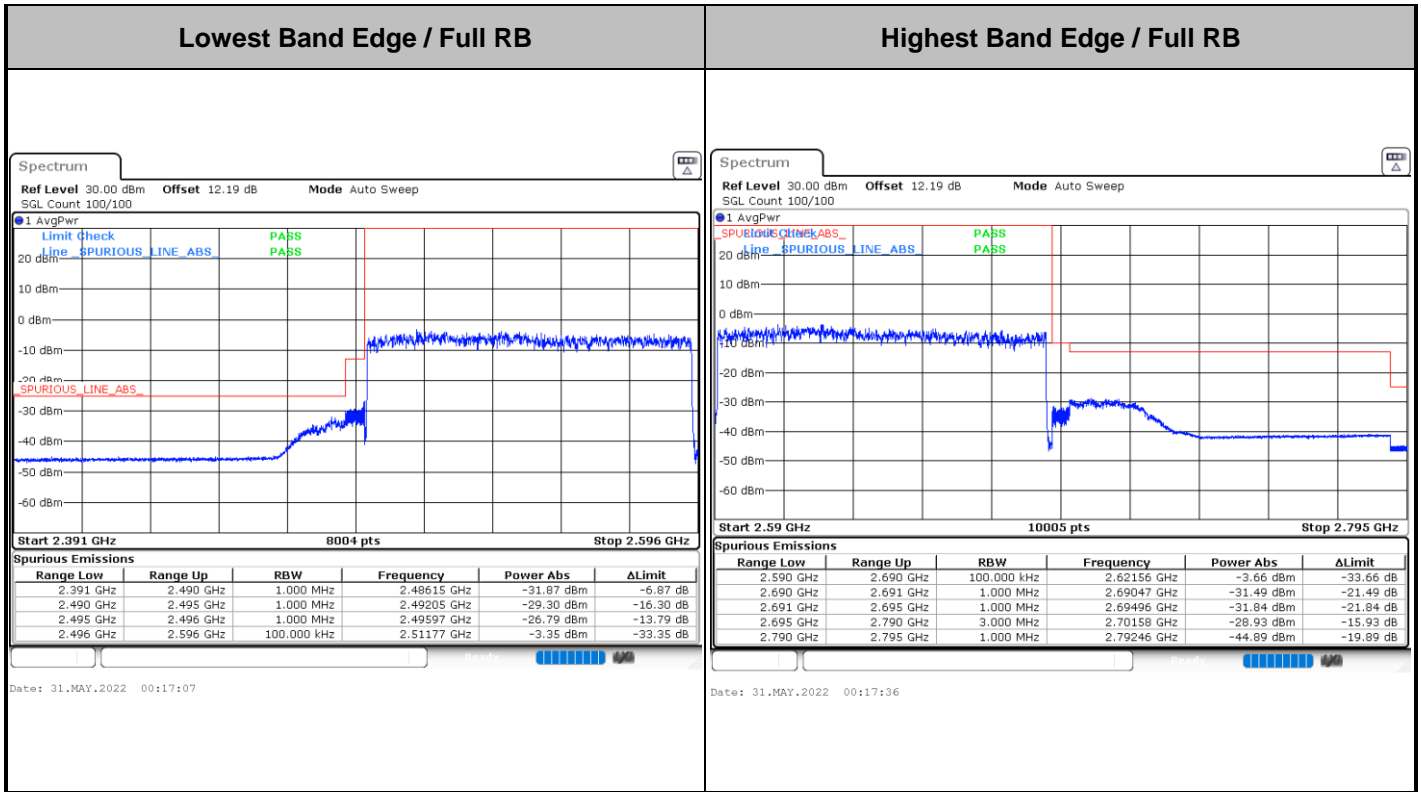
Date: 31.MAY.2022 00:14:54

Date: 31.MAY.2022 00:21:39



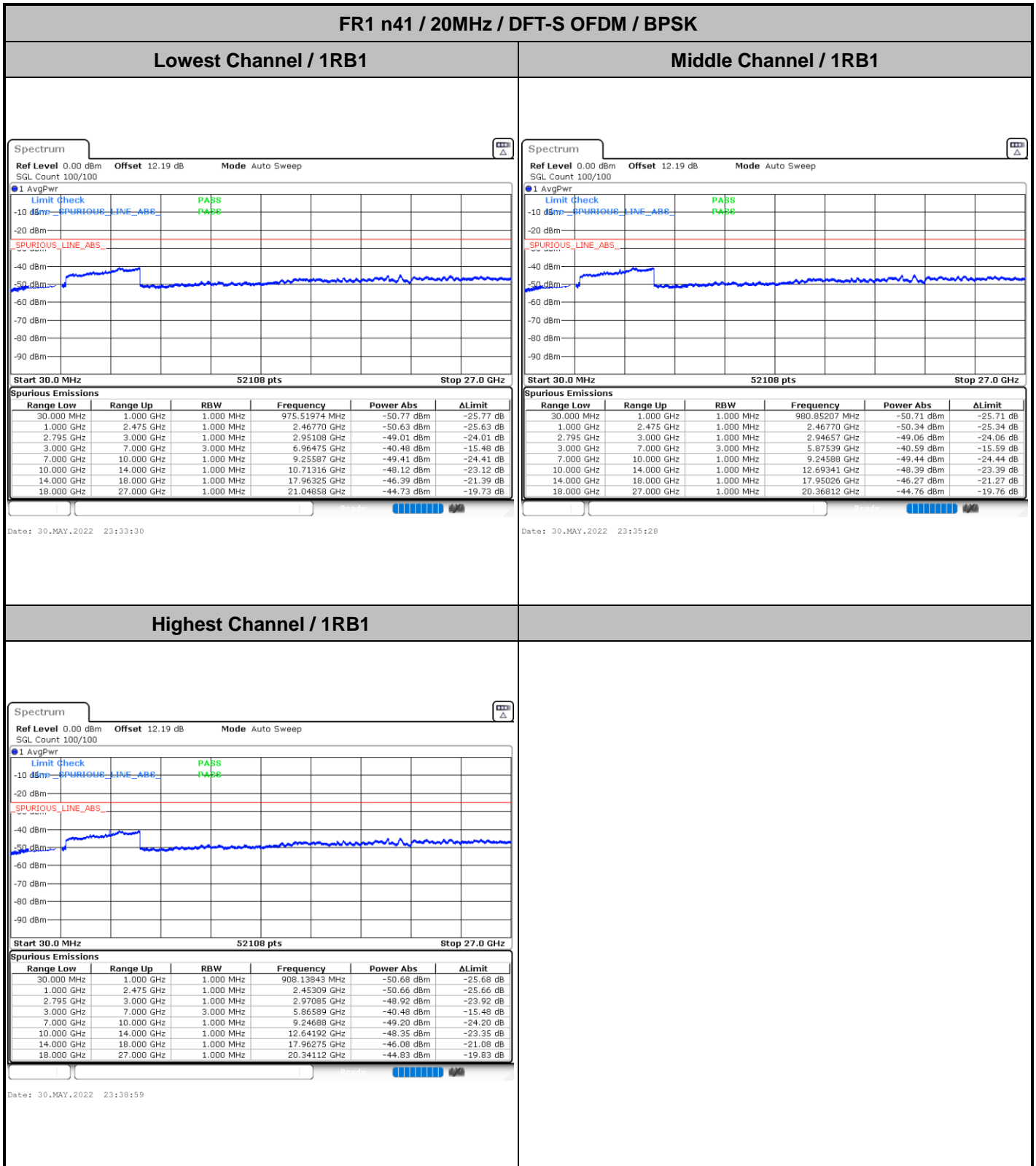
Date: 1.JUN.2022 02:35:36

Date: 1.JUN.2022 02:37:59





Conducted Spurious Emission

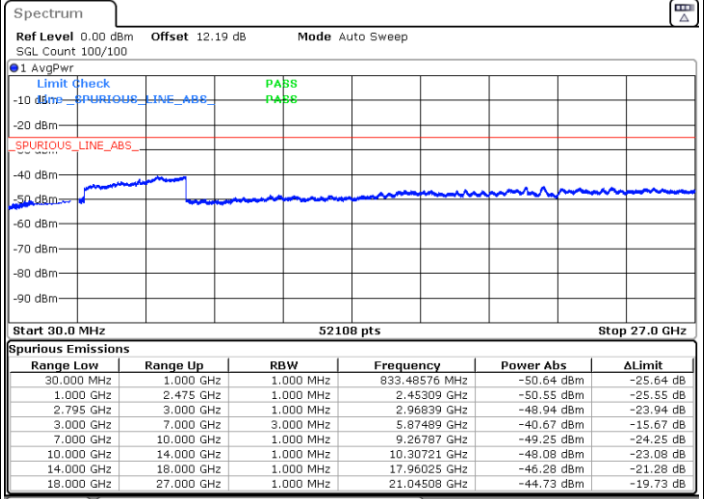
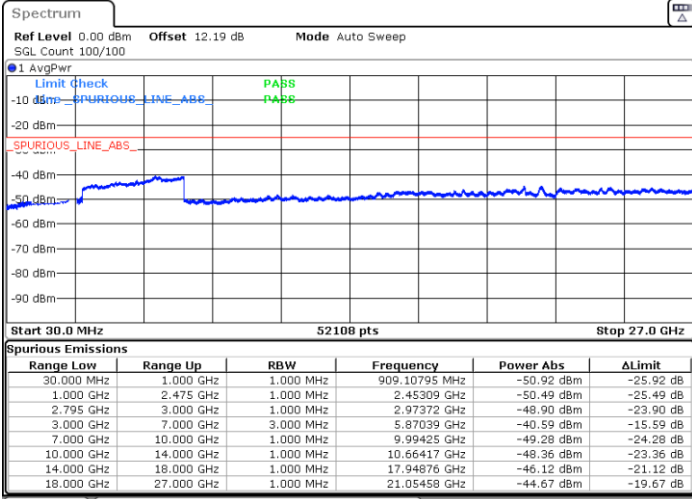




FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

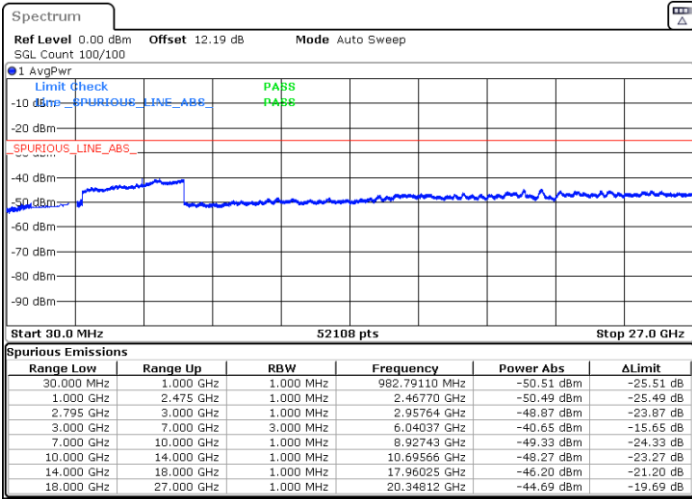
Middle Channel / 1RB1



Date: 30.MAY.2022 23:31:00

Date: 30.MAY.2022 23:36:34

Highest Channel / 1RB1



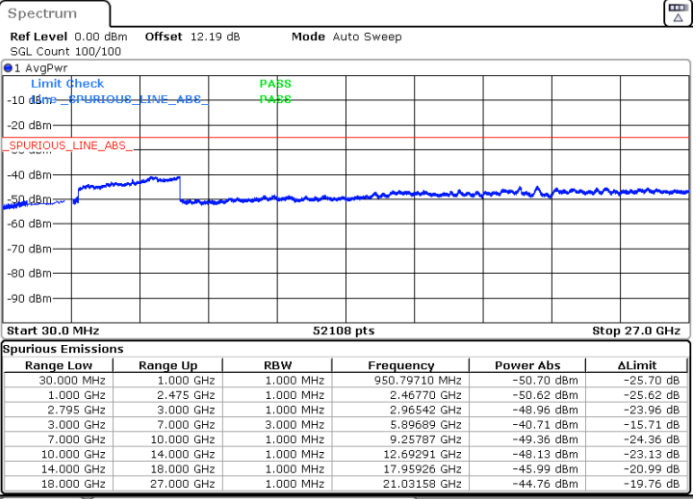
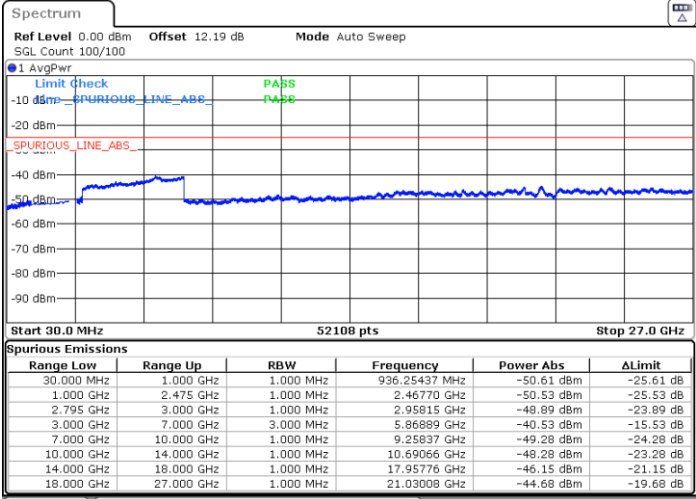
Date: 30.MAY.2022 23:37:42



FR1 n41 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

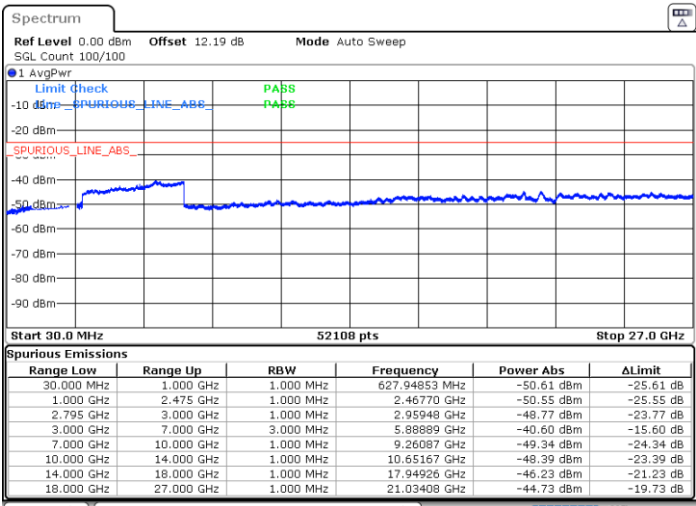
Middle Channel / 1RB1



Date: 30.MAY.2022 23:54:11

Date: 30.MAY.2022 23:49:24

Highest Channel / 1RB1



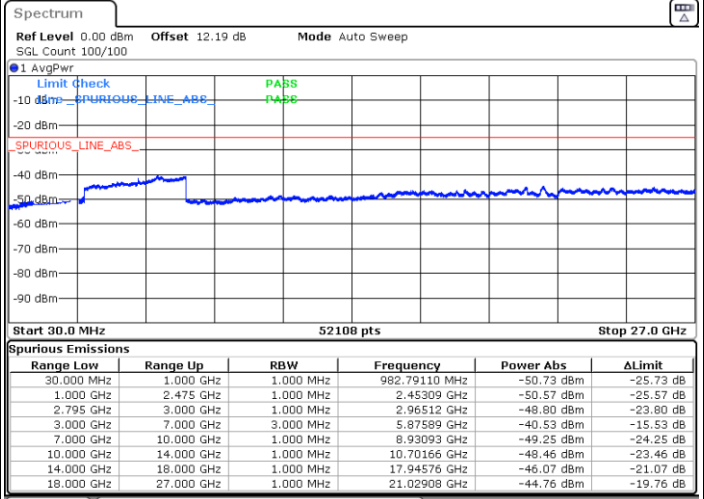
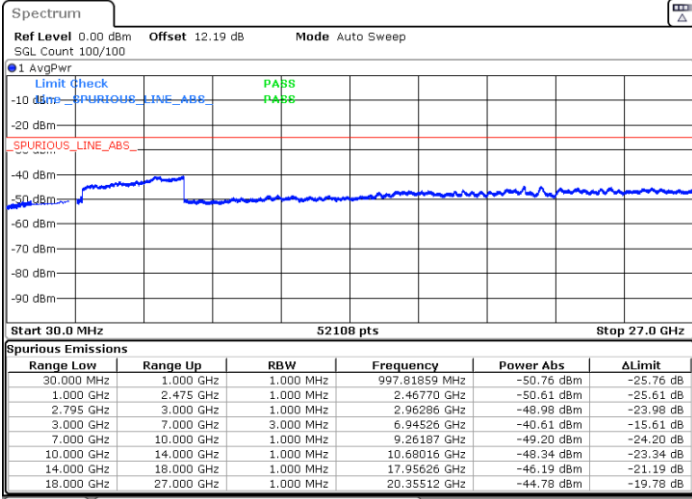
Date: 31.MAY.2022 00:03:02



FR1 n41 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

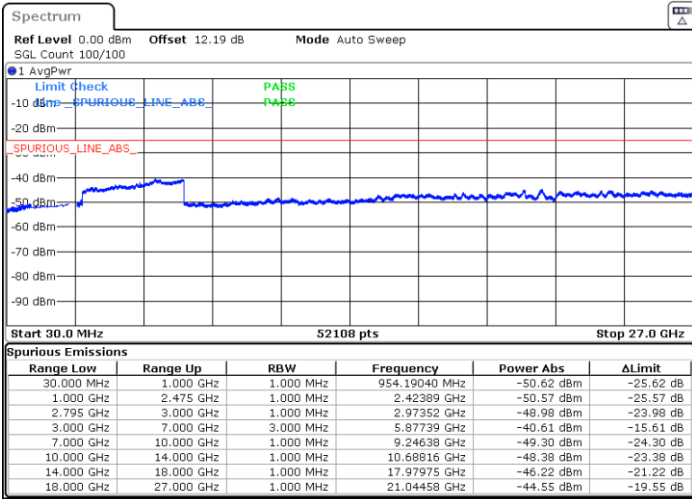
Middle Channel / 1RB1



Date: 30.MAY.2022 23:51:43

Date: 30.MAY.2022 23:50:27

Highest Channel / 1RB1



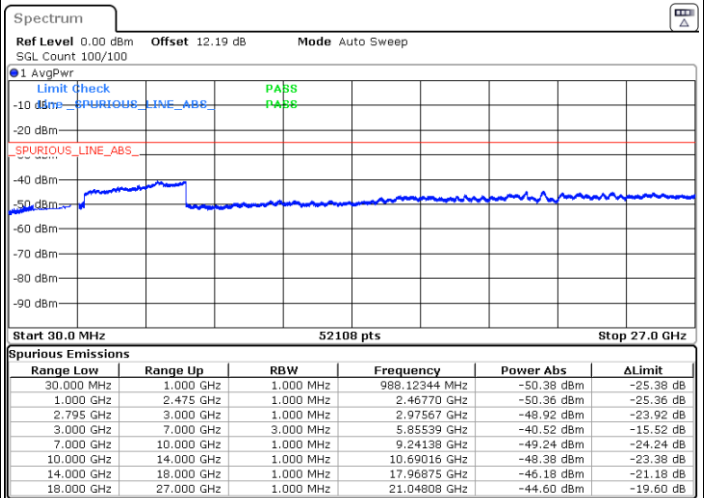
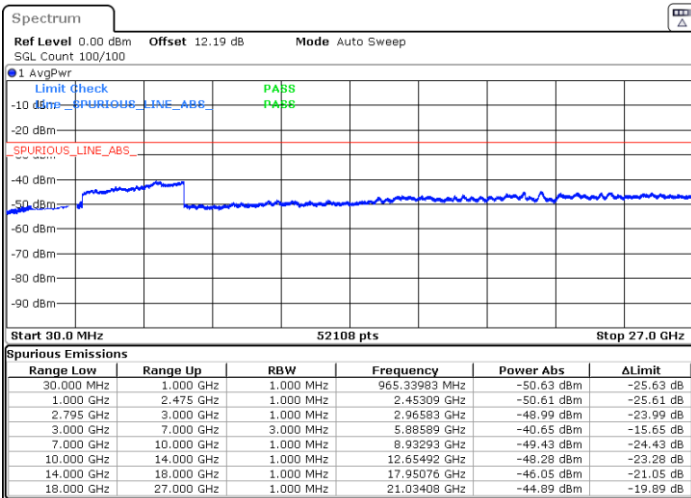
Date: 31.MAY.2022 00:01:19



FR1 n41 /100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

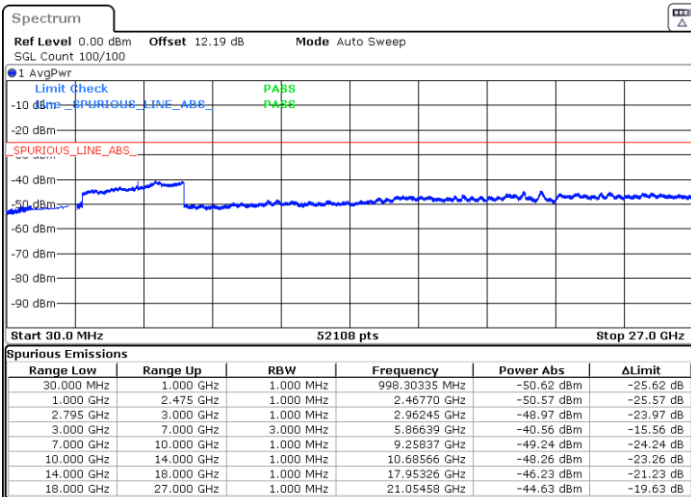
Middle Channel / 1RB1



Date: 31.MAY.2022 00:16:04

Date: 31.MAY.2022 00:10:57

Highest Channel / 1RB1



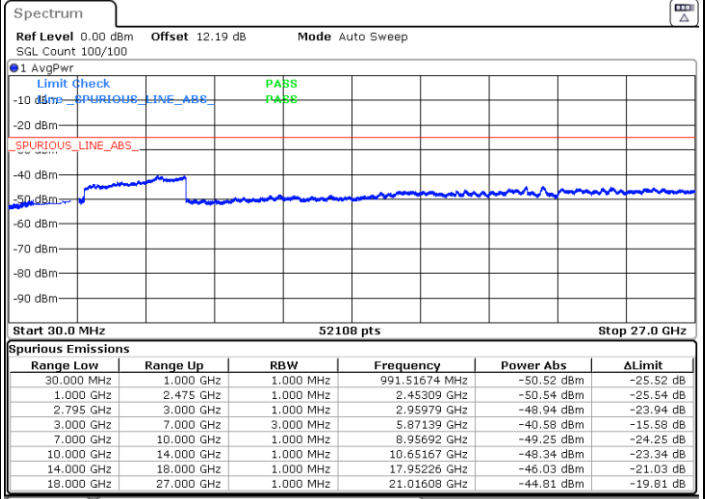
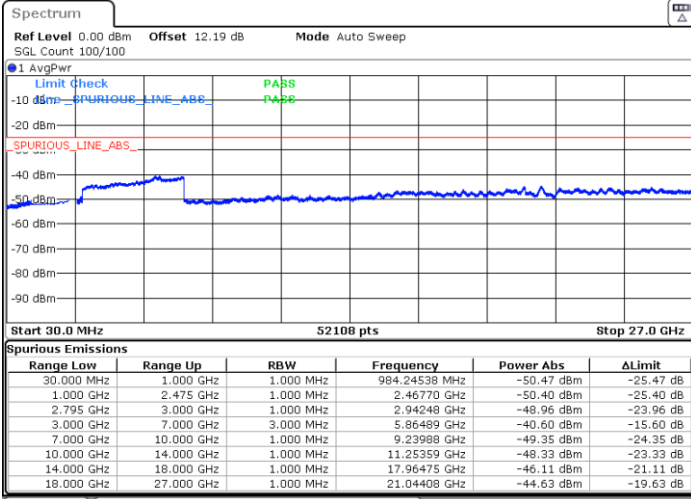
Date: 31.MAY.2022 00:19:07



FR1 n41 /100MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

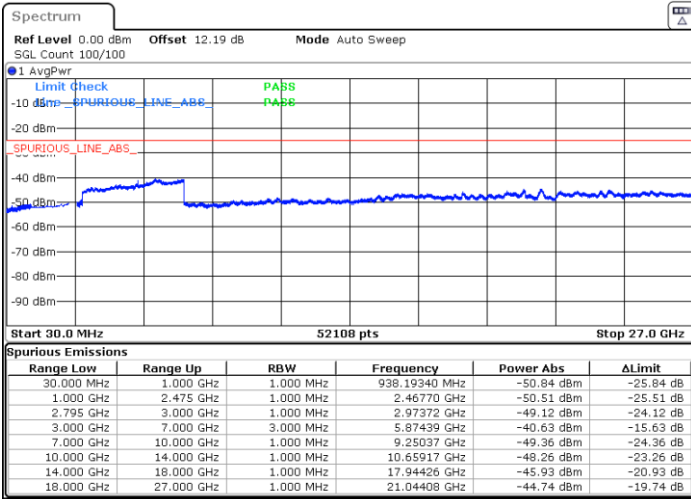
Middle Channel / 1RB1



Date: 31.MAY.2022 00:13:53

Date: 31.MAY.2022 00:12:42

Highest Channel / 1RB1



Date: 31.MAY.2022 00:21:03



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0046	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0031	

Note:

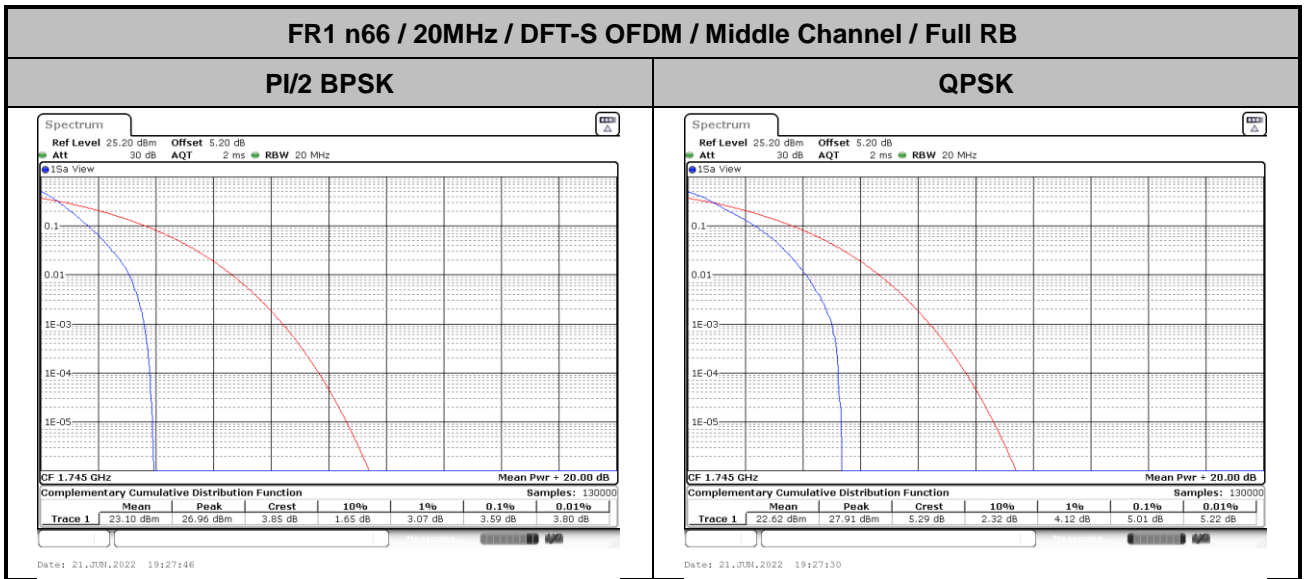
- 3. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n66

Peak-to-Average Ratio

Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	3.59	5.01			PASS





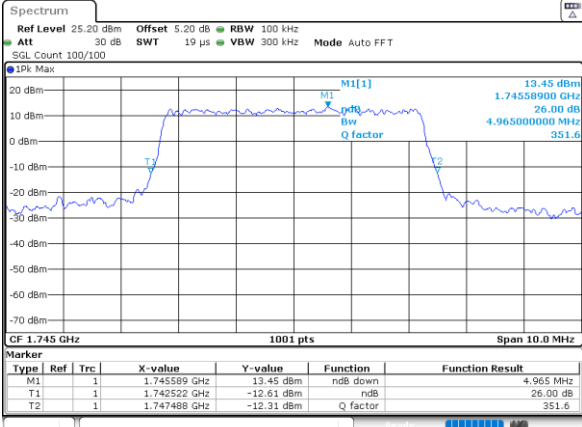
26dB Bandwidth

Mode	FR1 n66 : 26dBW (MHz) / CP OFDM									
BW	5M					10M				
Mod.	QPSK	16QAM	64QAM	256QAM		QPSK	16QAM	64QAM	256QAM	
Middle CH	4.97	4.94	4.93	4.88		10.17	10.11	10.11	10.07	
BW	15M					20M				
Mod.	QPSK	16QAM	64QAM	256QAM		QPSK	16QAM	64QAM	256QAM	
Middle CH	14.87	14.90	14.87	14.87		21.22	21.22	21.30	21.18	



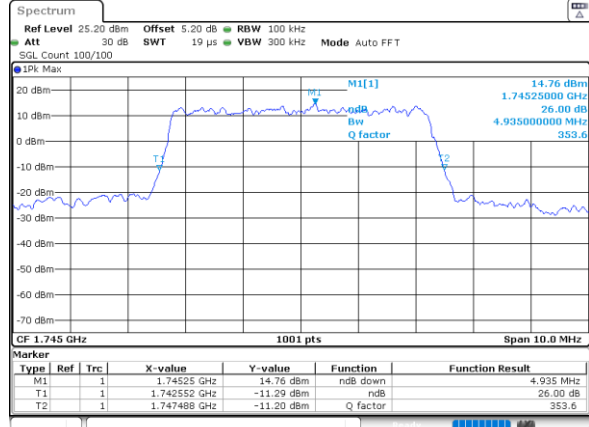
FR1 n66 / 5MHz / CP OFDM

QPSK



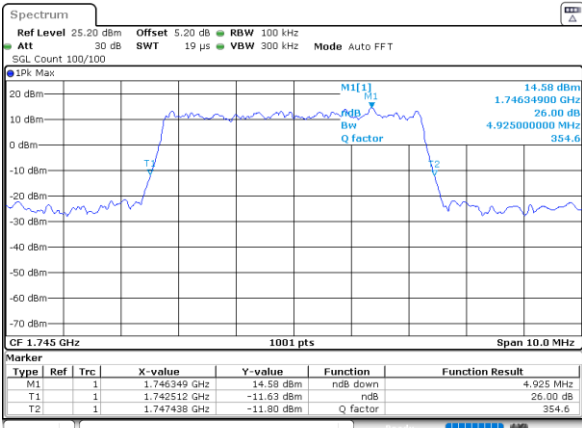
Date: 21 JUN 2022 18:46:32

16QAM



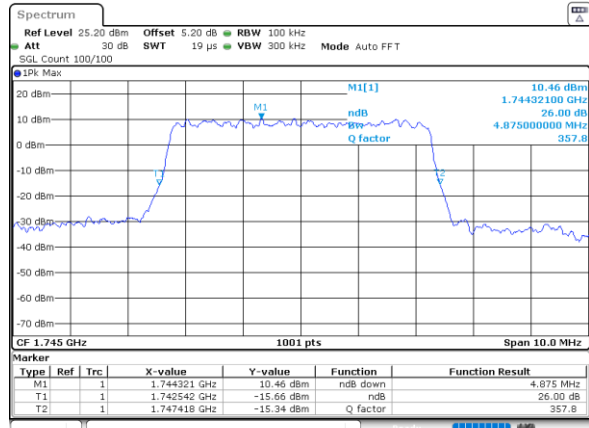
Date: 21 JUN 2022 18:47:38

64QAM



Date: 21 JUN 2022 18:48:01

256QAM

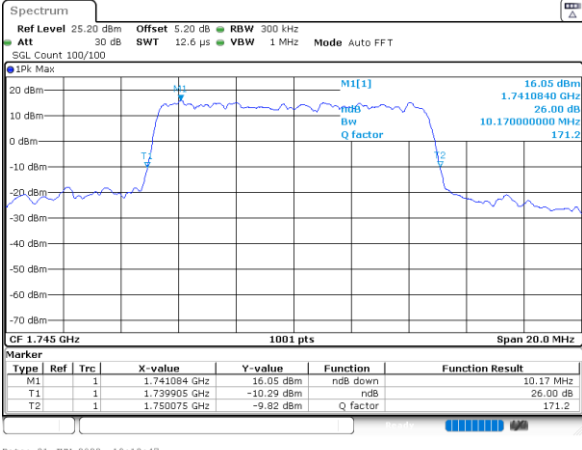


Date: 21 JUN 2022 18:48:17



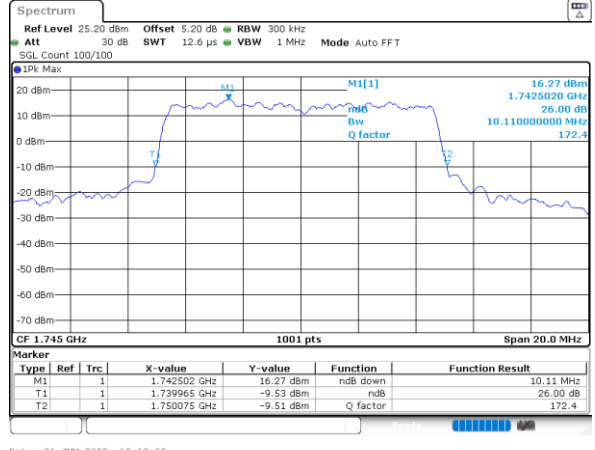
FR1 n66 / 10MHz / CP OFDM

QPSK



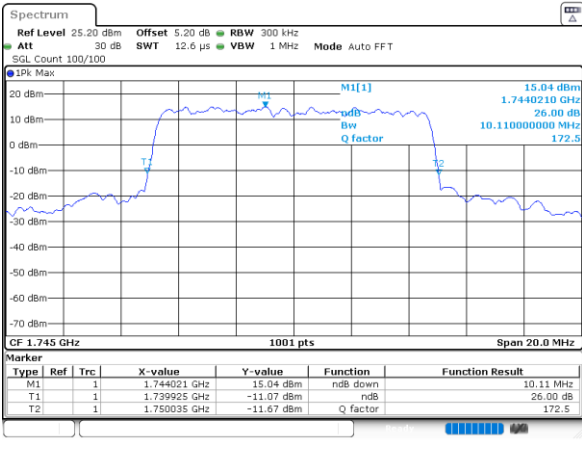
Date: 21 JUN 2022 19:12:47

16QAM



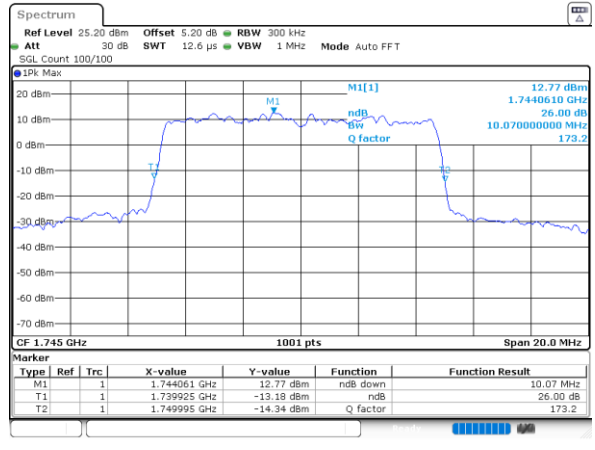
Date: 21 JUN 2022 19:13:32

64QAM



Date: 21 JUN 2022 19:14:05

256QAM

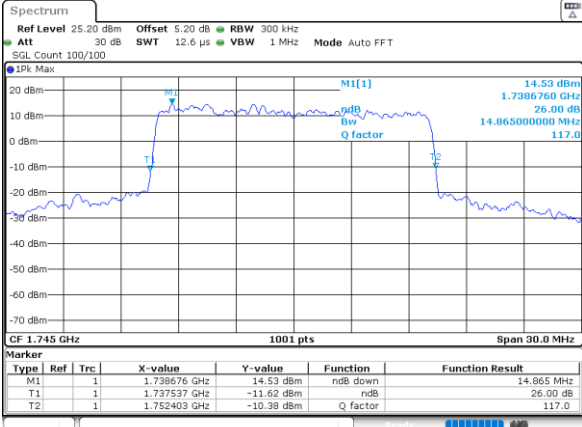


Date: 21 JUN 2022 19:14:31



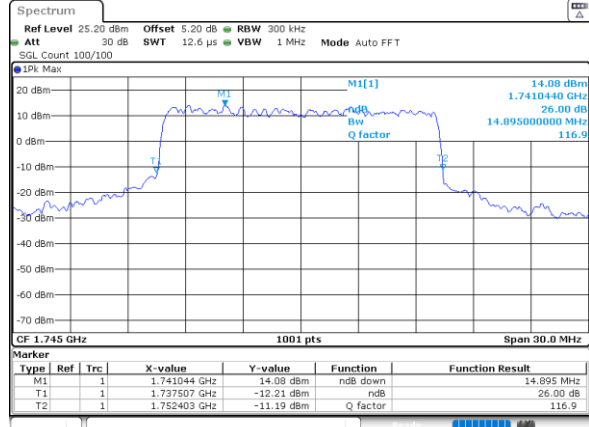
FR1 n66 / 15MHz / CP OFDM

QPSK



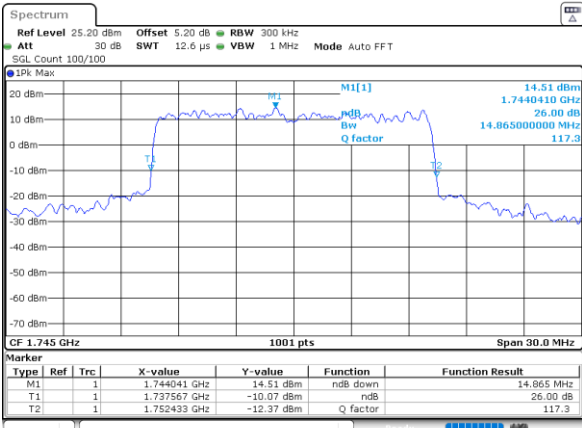
Date: 21 JUN 2022 19:22:01

16QAM



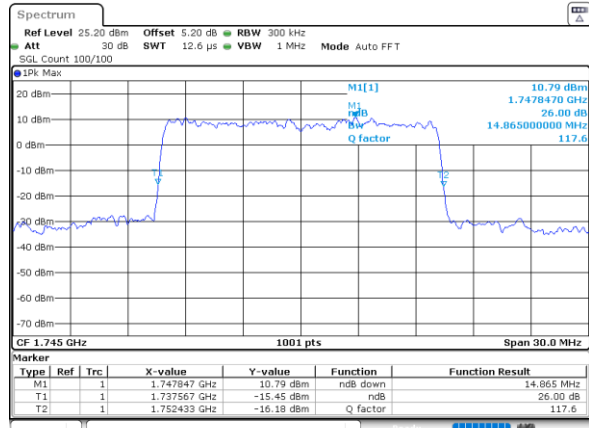
Date: 21 JUN 2022 19:22:20

64QAM



Date: 21 JUN 2022 19:22:42

256QAM

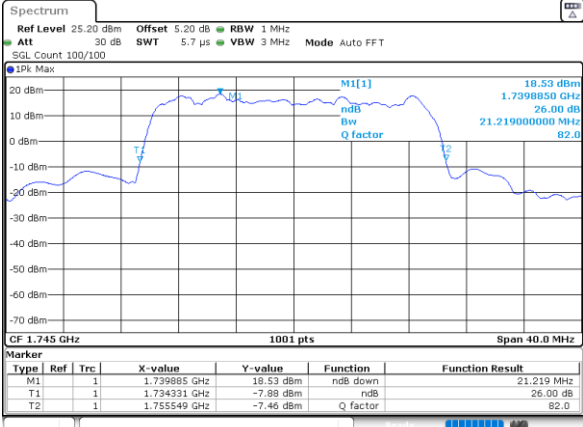


Date: 21 JUN 2022 19:23:03



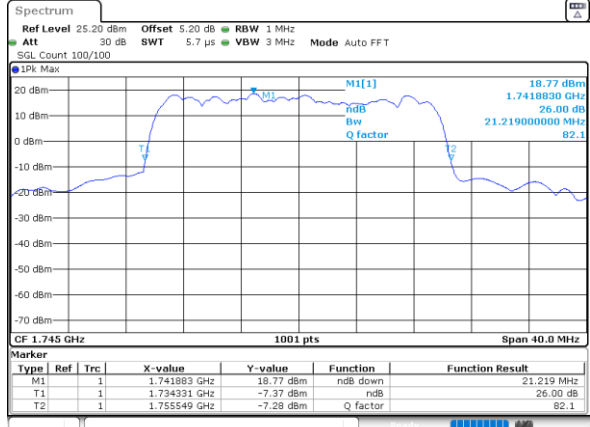
FR1 n66 / 20MHz / CP OFDM

QPSK



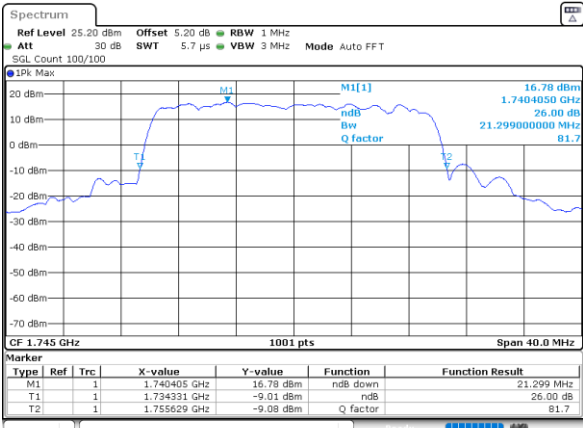
Date: 21 JUN 2022 19:25:14

16QAM



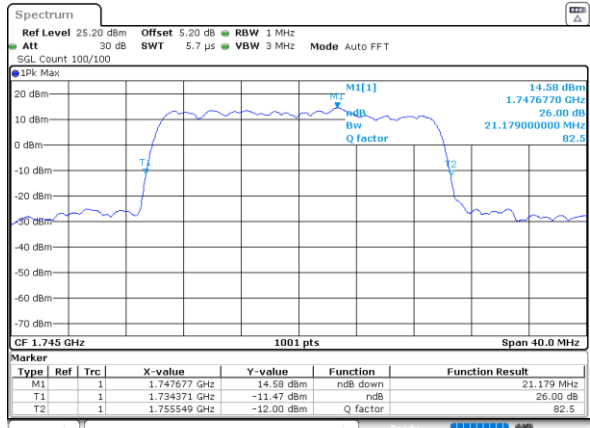
Date: 21 JUN 2022 19:25:05

64QAM



Date: 21 JUN 2022 19:24:34

256QAM



Date: 21 JUN 2022 19:23:54



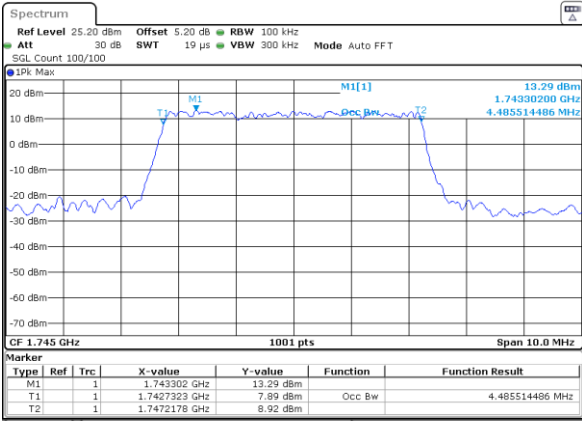
Occupied Bandwidth

Mode	FR1 n66 : OB (MHz) / CP OFDM									
BW	5M					10M				
Mod.	QPSK	16QAM	64QAM	256QAM		QPSK	16QAM	64QAM	256QAM	
Middle CH	4.49	4.48	4.48	4.48		9.37	9.31	9.33	9.45	
BW	15M					20M				
Mod.	QPSK	16QAM	64QAM	256QAM		QPSK	16QAM	64QAM	256QAM	
Middle CH	14.18	14.12	14.15	14.12		19.42	19.59	19.34	19.30	



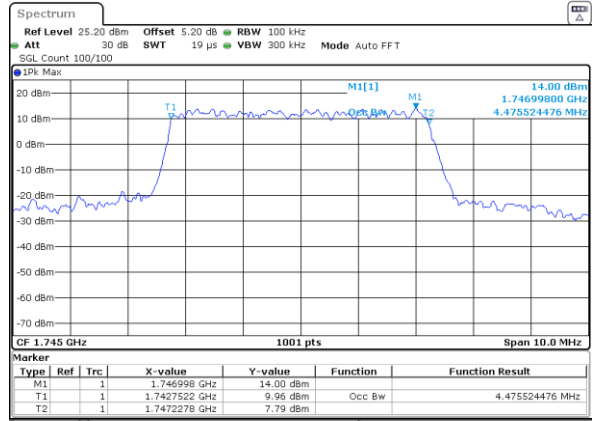
FR1 n66 / 5MHz / CP OFDM

QPSK



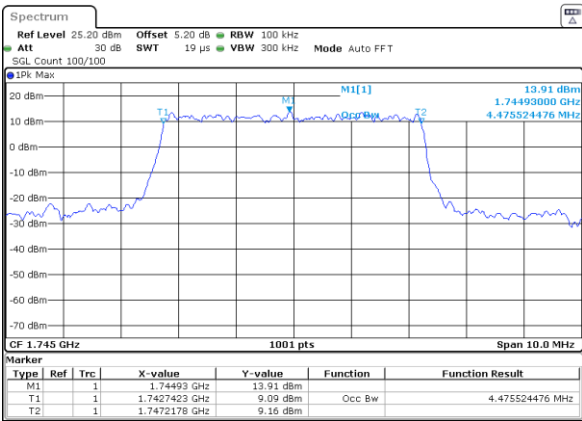
Date: 21 JUN 2022 18:46:26

16QAM



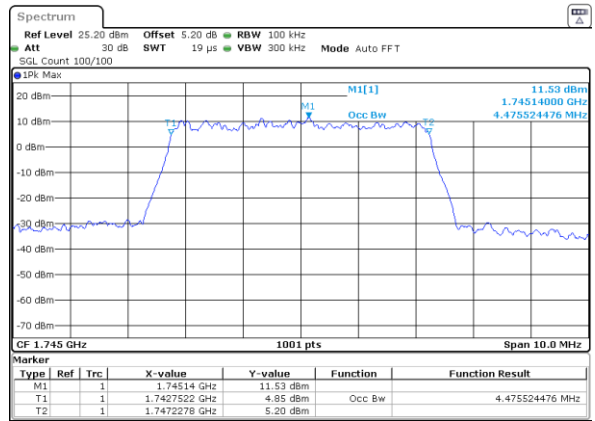
Date: 21 JUN 2022 18:47:13

64QAM



Date: 21 JUN 2022 18:47:55

256QAM

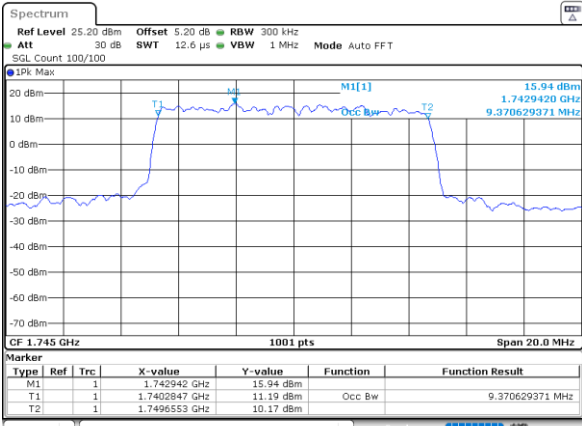


Date: 21 JUN 2022 18:48:11



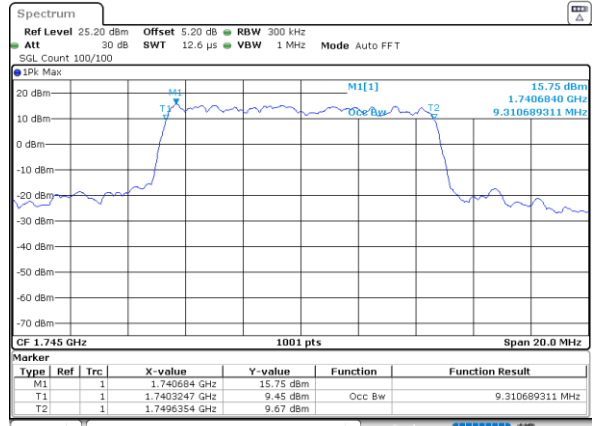
FR1 n66 / 10MHz / CP OFDM

QPSK



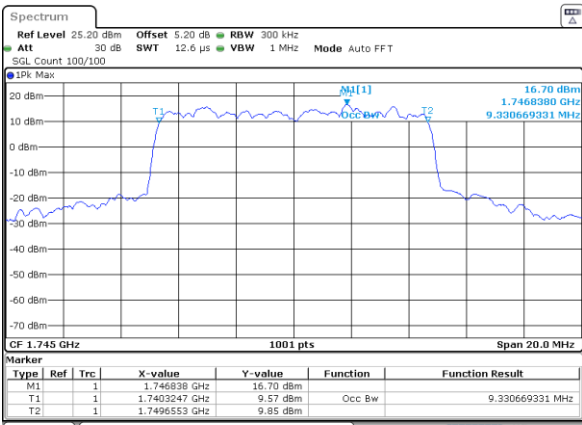
Date: 21 JUN 2022 19:12:36

16QAM



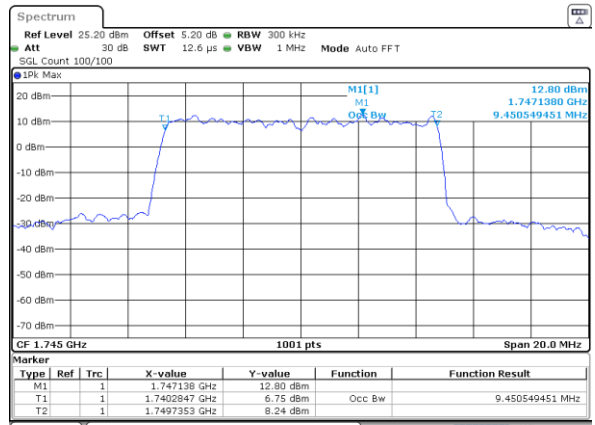
Date: 21 JUN 2022 19:13:22

64QAM



Date: 21 JUN 2022 19:13:53

256QAM

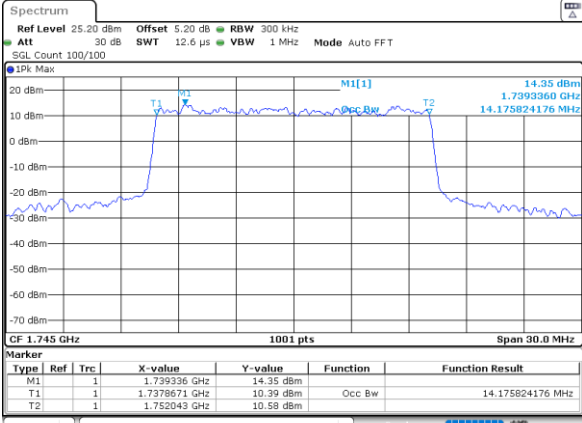


Date: 21 JUN 2022 19:14:22



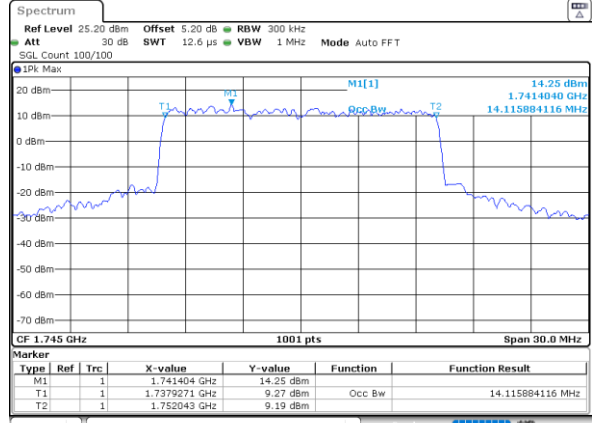
FR1 n66 / 15MHz / CP OFDM

QPSK



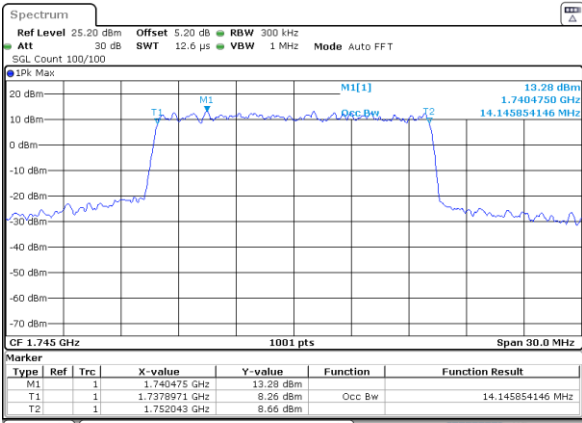
Date: 21 JUN 2022 19:21:52

16QAM



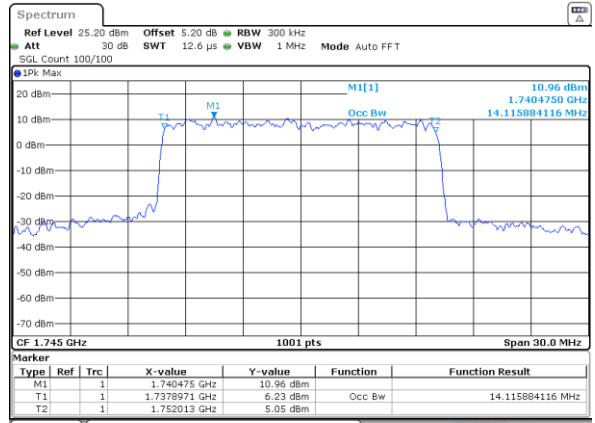
Date: 21 JUN 2022 19:22:13

64QAM



Date: 21 JUN 2022 19:22:33

256QAM

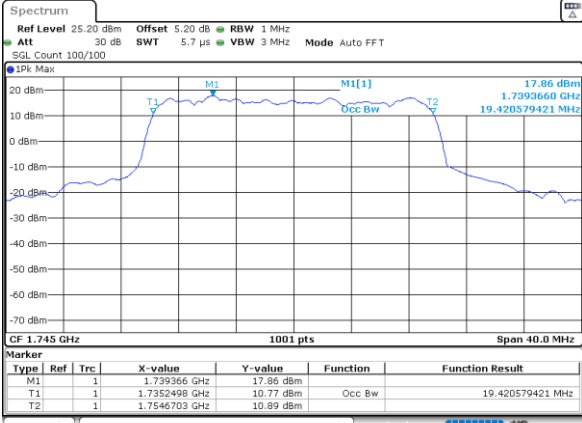


Date: 21 JUN 2022 19:22:54



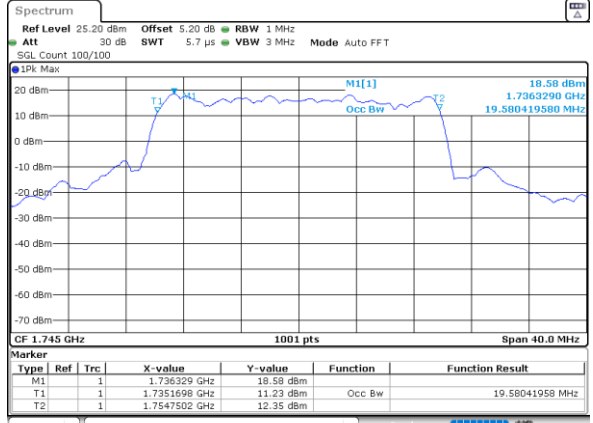
FR1 n66 / 20MHz / CP OFDM

QPSK



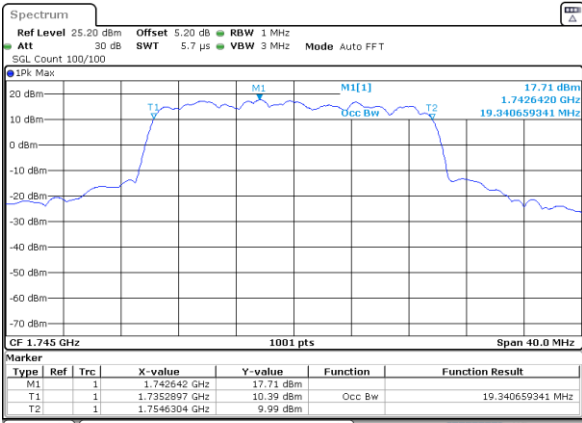
Date: 21 JUN 2022 19:25:20

16QAM



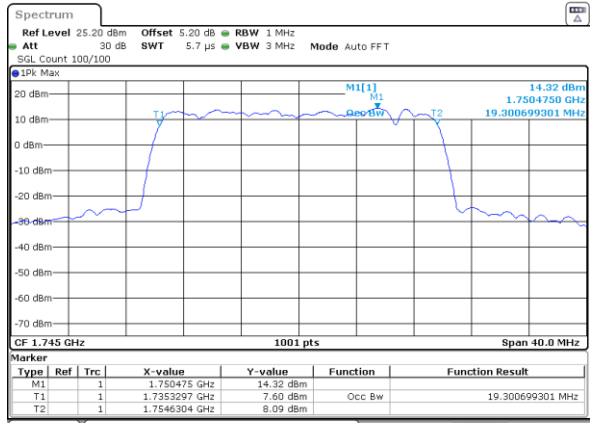
Date: 21 JUN 2022 19:24:56

64QAM



Date: 21 JUN 2022 19:24:12

256QAM



Date: 21 JUN 2022 19:23:46



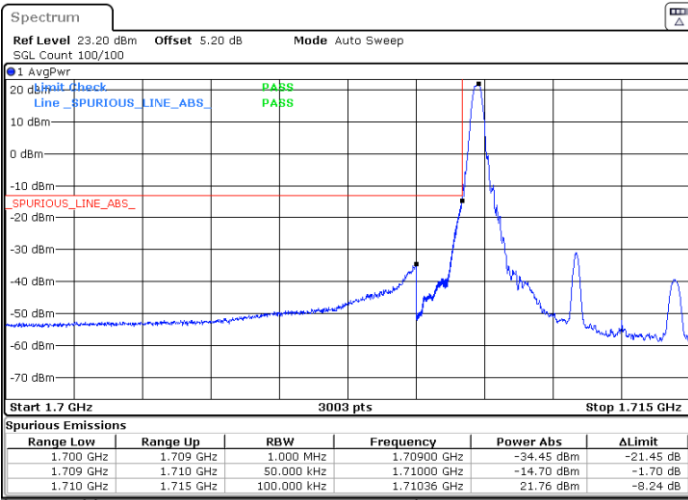
Conducted Band Edge



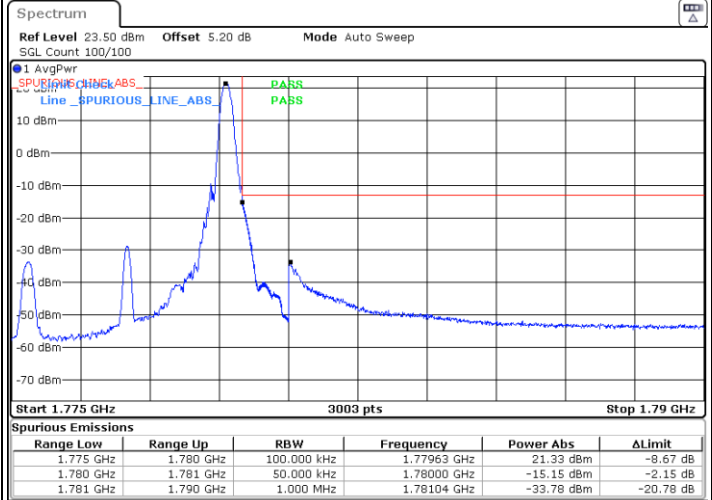
FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



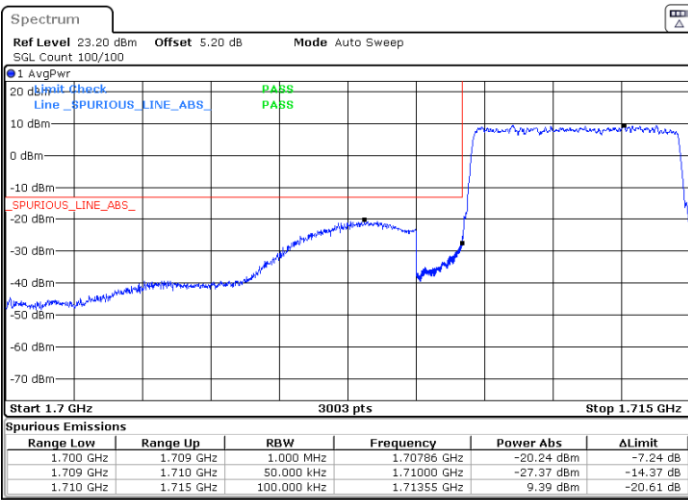
Date: 21.JUN.2022 18:40:24



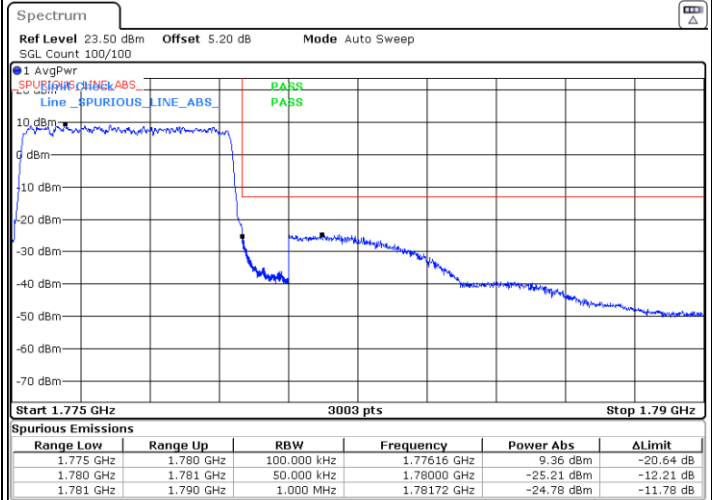
Date: 21.JUN.2022 18:50:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 18:41:10



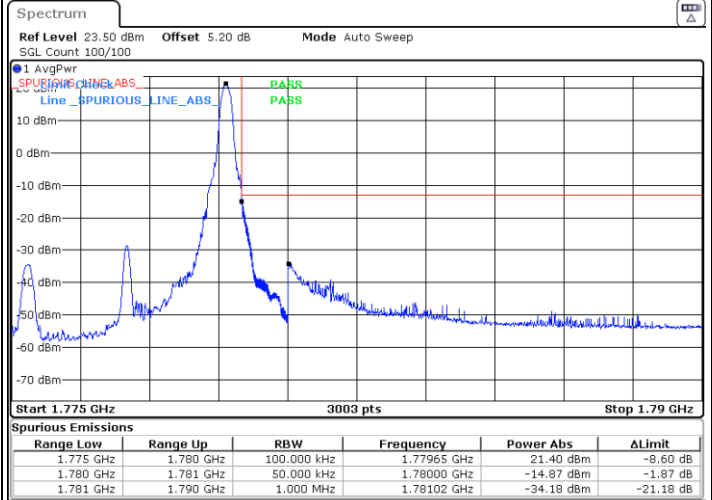
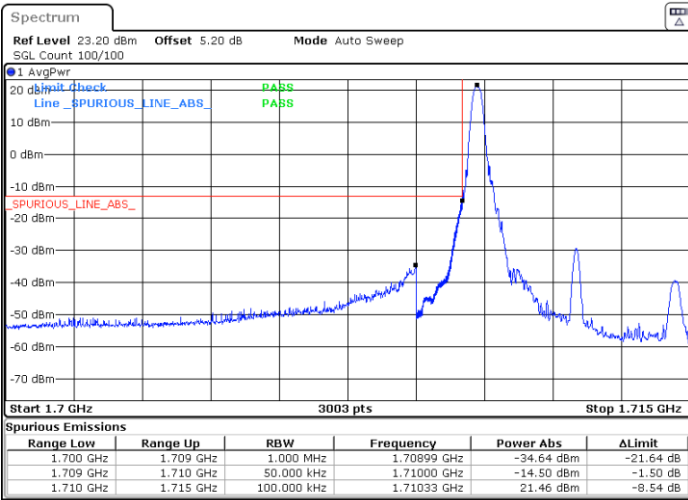
Date: 21.JUN.2022 18:49:30



FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

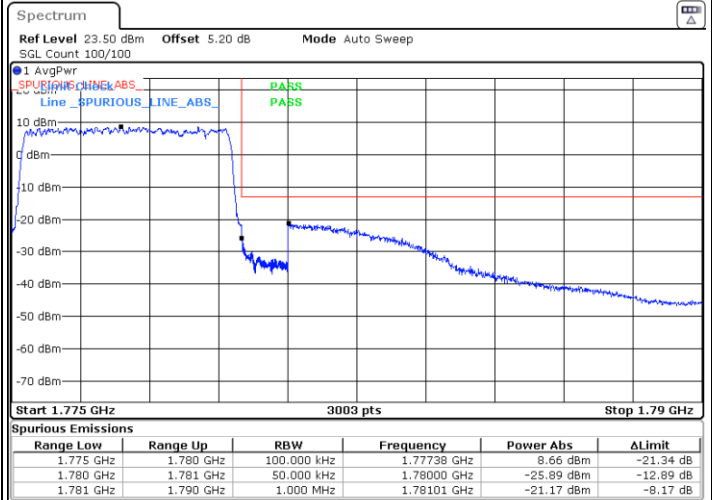
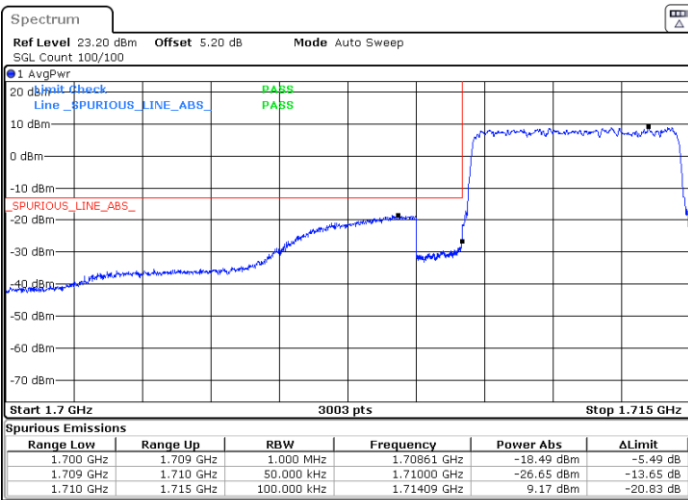


Date: 21.JUN.2022 18:39:31

Date: 21.JUN.2022 18:50:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 18:41:35

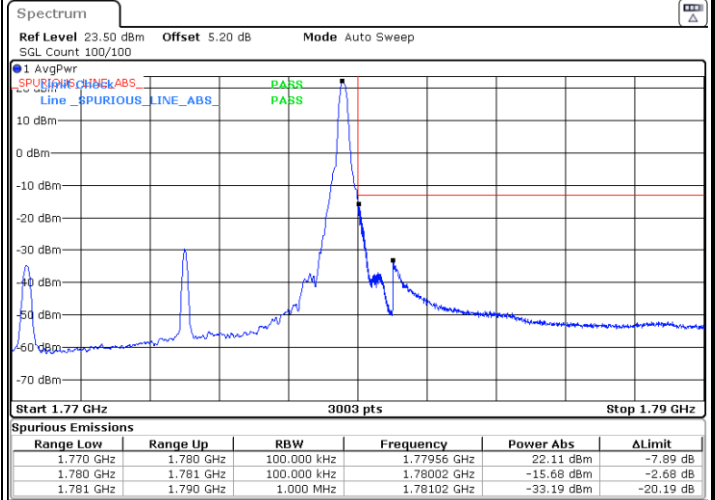
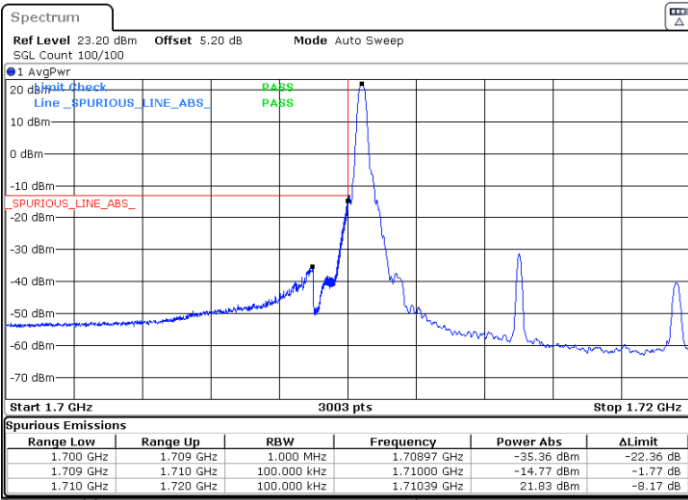
Date: 21.JUN.2022 18:49:58



FR1 n66 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

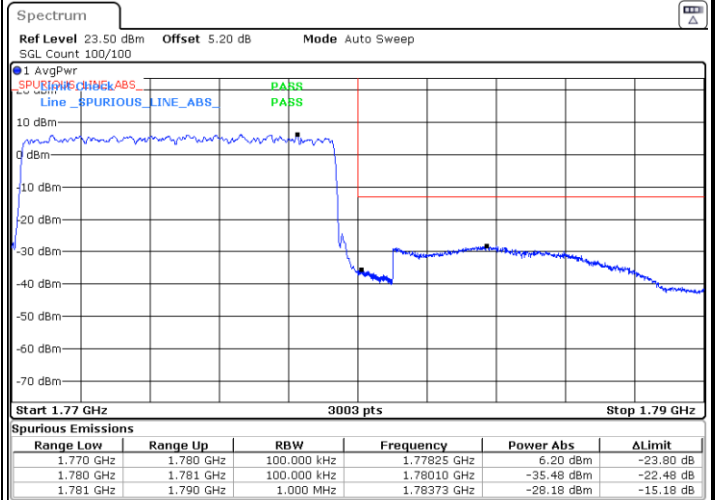
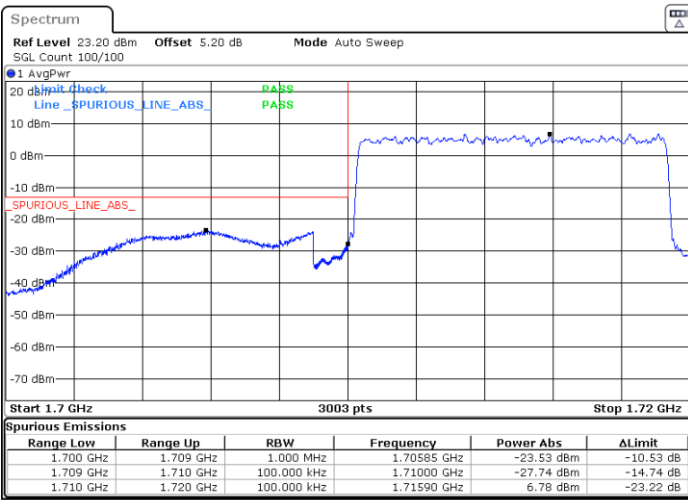


Date: 21.JUN.2022 19:02:30

Date: 21.JUN.2022 19:17:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 19:05:44

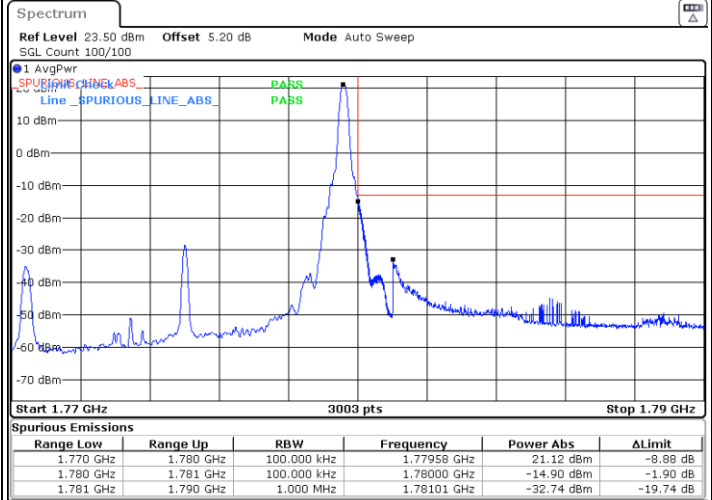
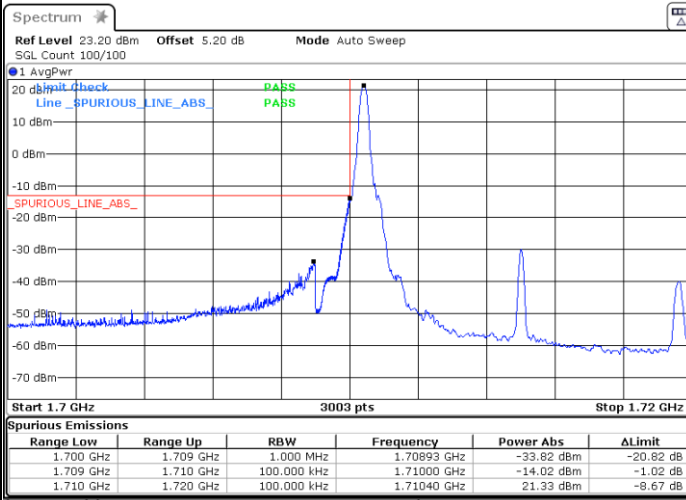
Date: 21.JUN.2022 19:16:19



FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

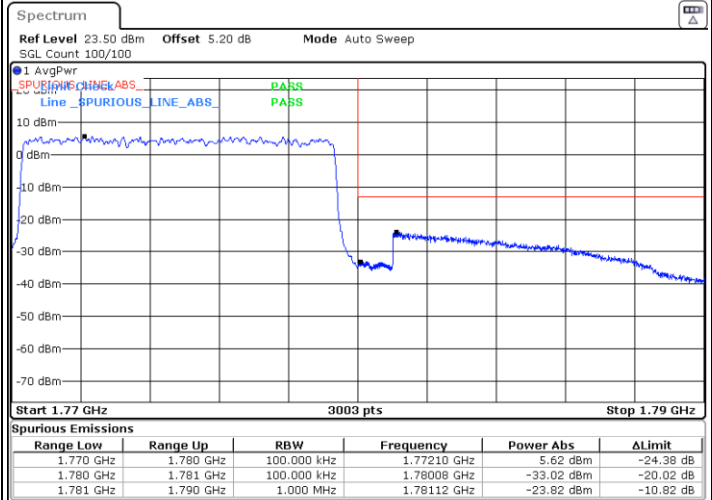
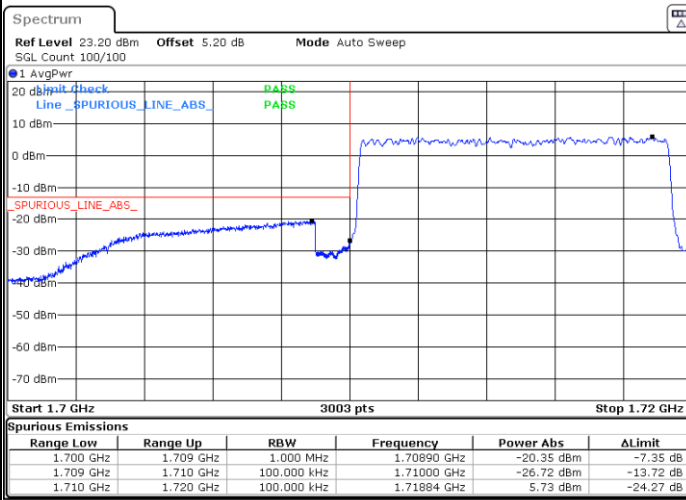


Date: 21.JUN.2022 19:05:03

Date: 21.JUN.2022 19:16:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 19:05:28

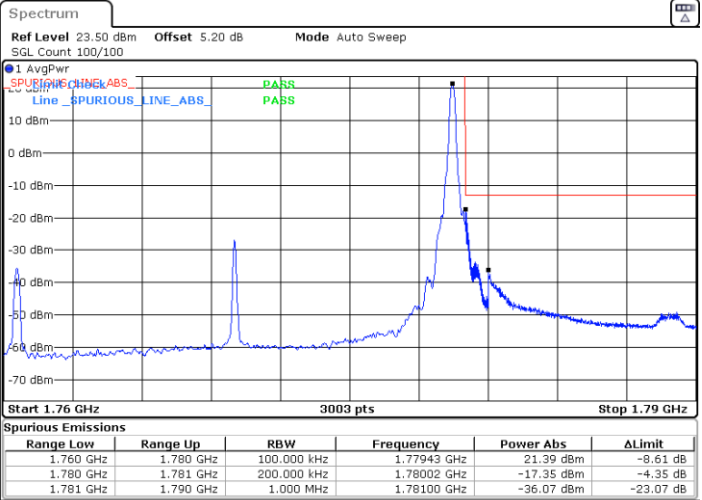
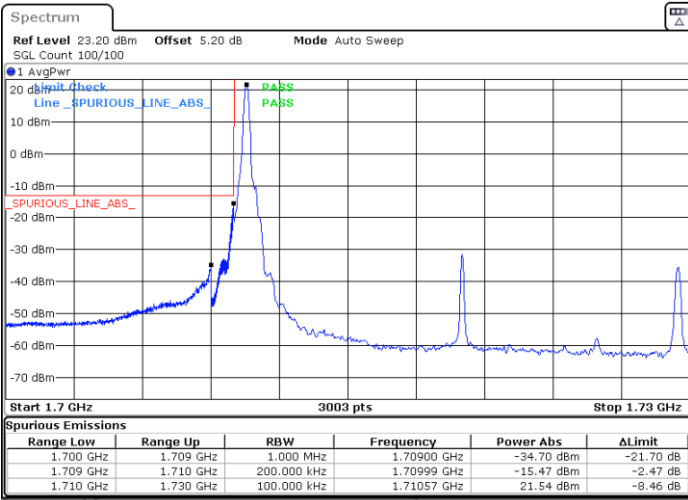
Date: 21.JUN.2022 19:16:36



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

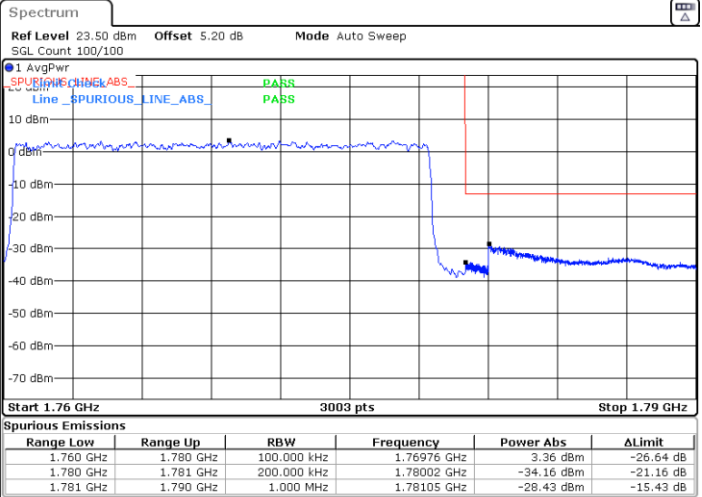
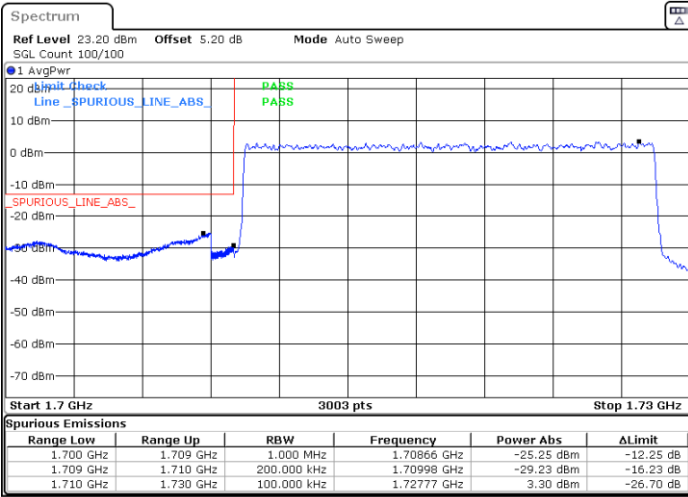


Date: 21.JUN.2022 19:28:40

Date: 21.JUN.2022 19:39:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 19:29:47

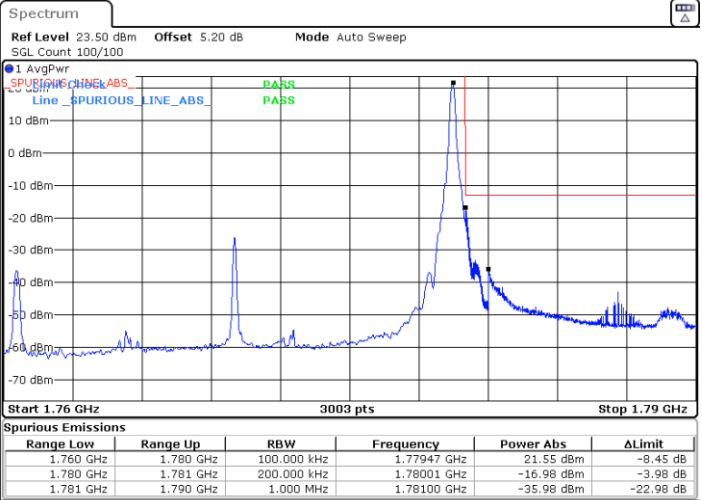
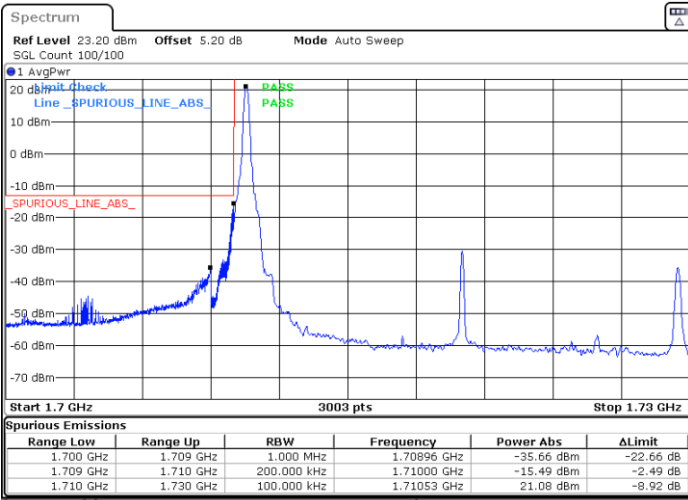
Date: 21.JUN.2022 19:38:33



FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

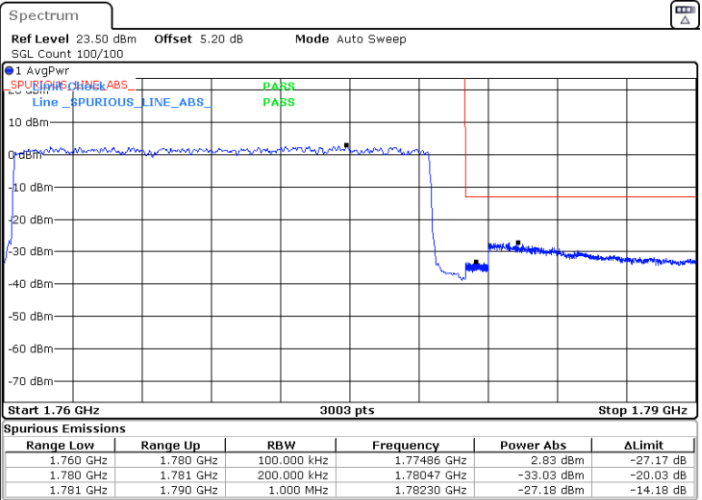
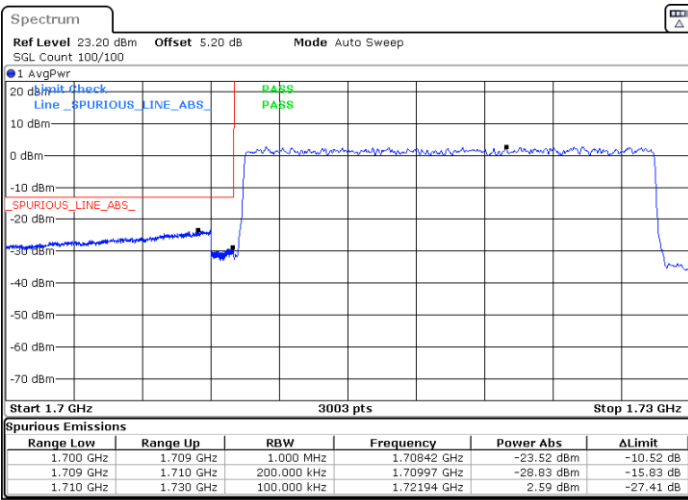


Date: 21.JUN.2022 19:28:57

Date: 21.JUN.2022 19:39:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUN.2022 19:29:31

Date: 21.JUN.2022 19:38:05

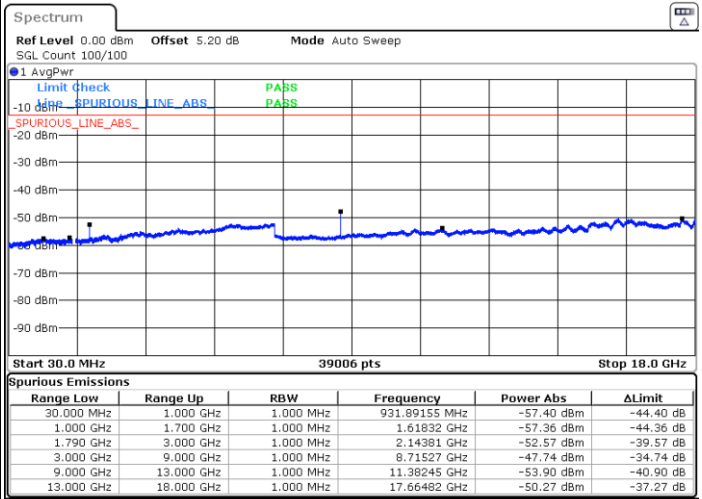
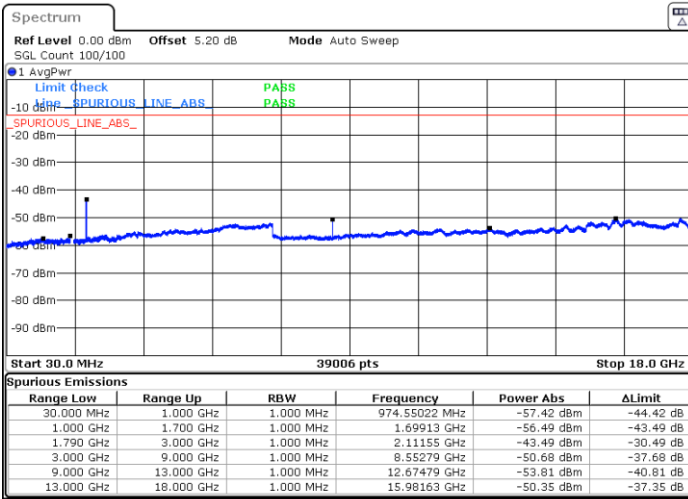


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

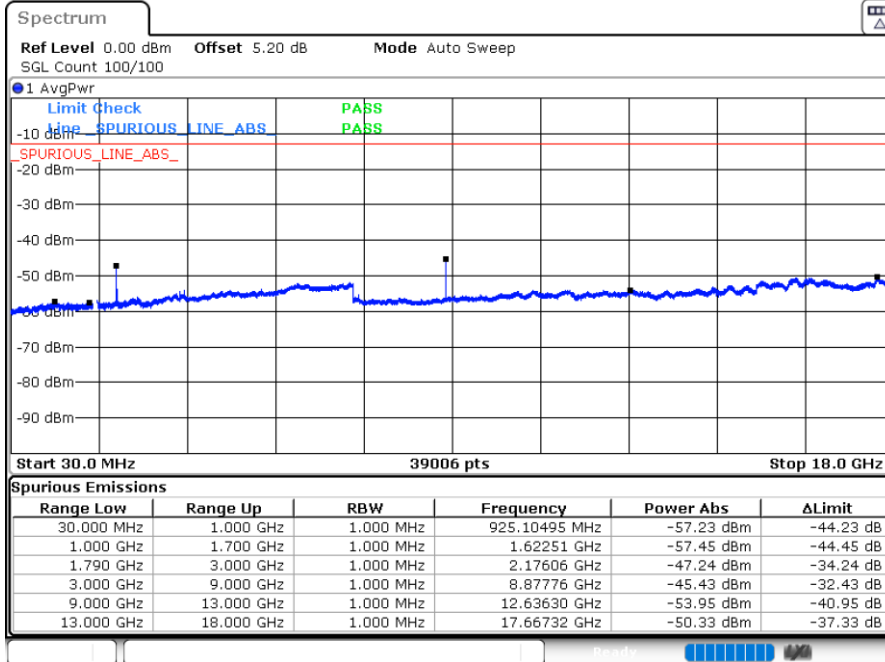
Middle Channel / 1RB1



Date: 21.JUN.2022 18:44:01

Date: 21.JUN.2022 18:45:05

Highest Channel / 1RB1



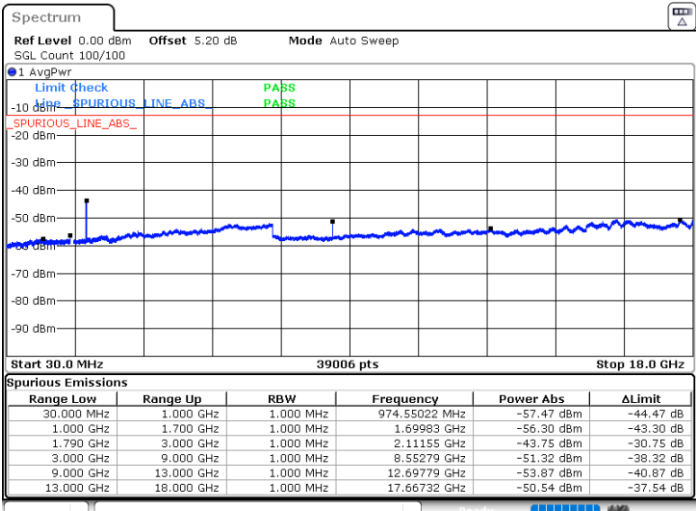
Date: 21.JUN.2022 18:58:38



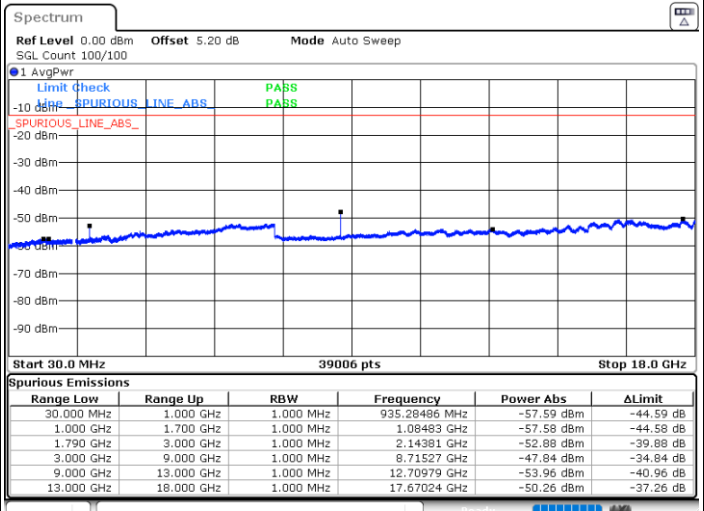
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

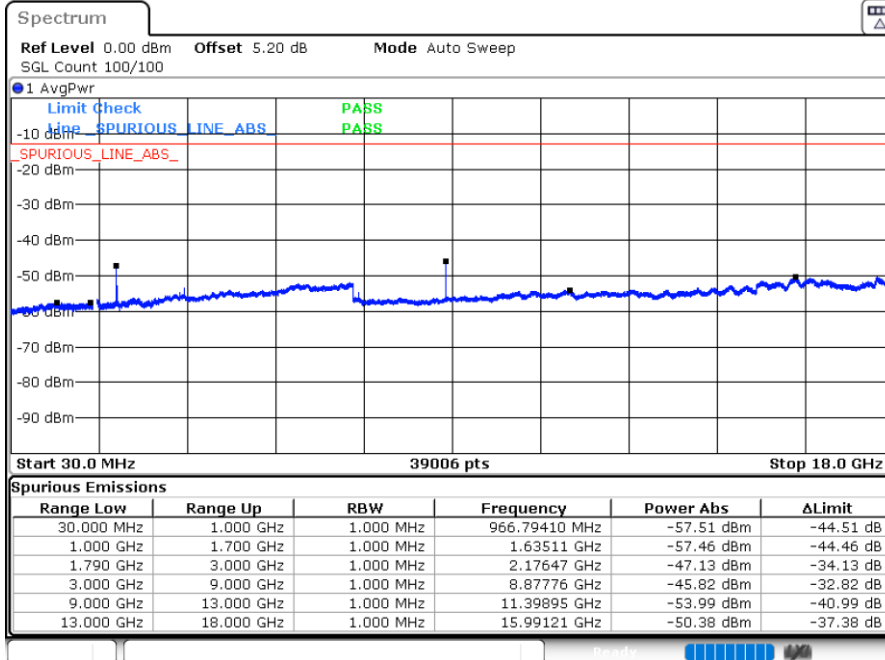


Date: 21.JUN.2022 18:43:17



Date: 21.JUN.2022 18:45:51

Highest Channel / 1RB1



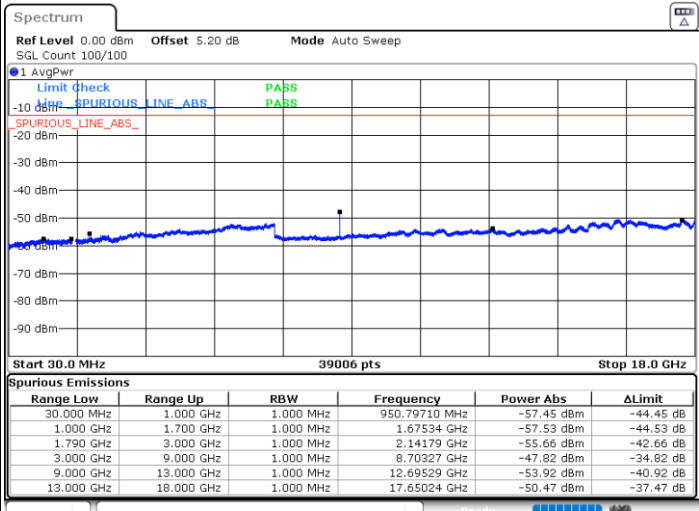
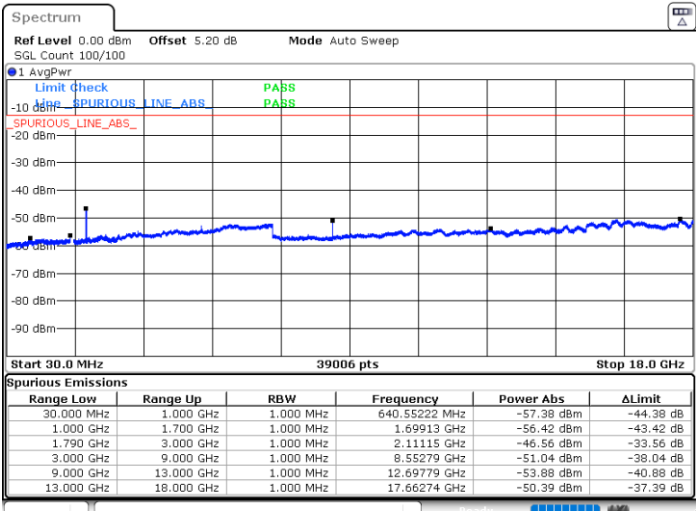
Date: 21.JUN.2022 19:00:22



FR1 n66 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

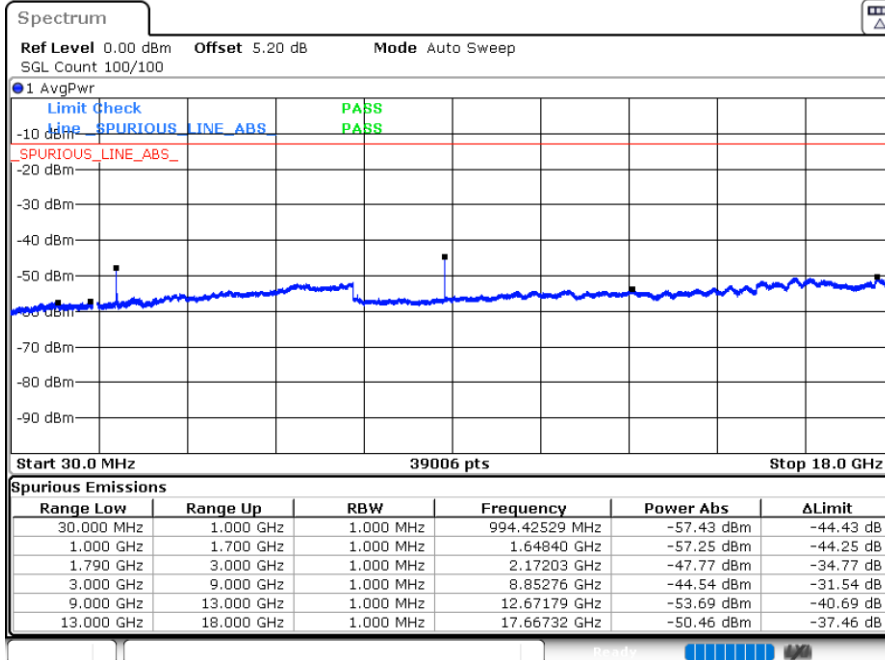
Middle Channel / 1RB1



Date: 21.JUN.2022 19:08:22

Date: 21.JUN.2022 19:12:00

Highest Channel / 1RB1



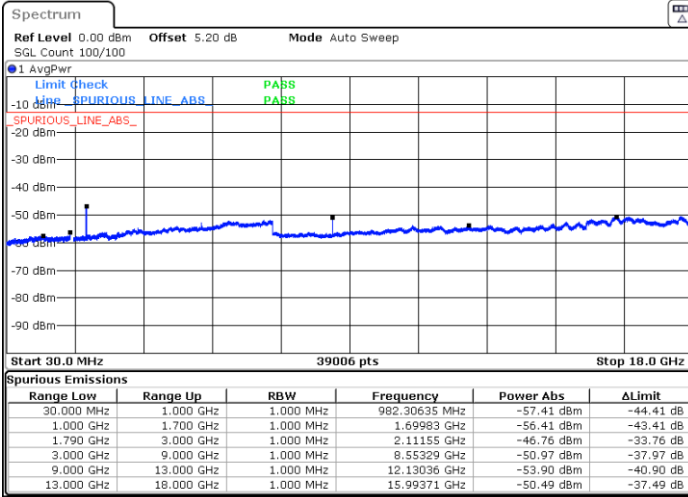
Date: 21.JUN.2022 19:18:29



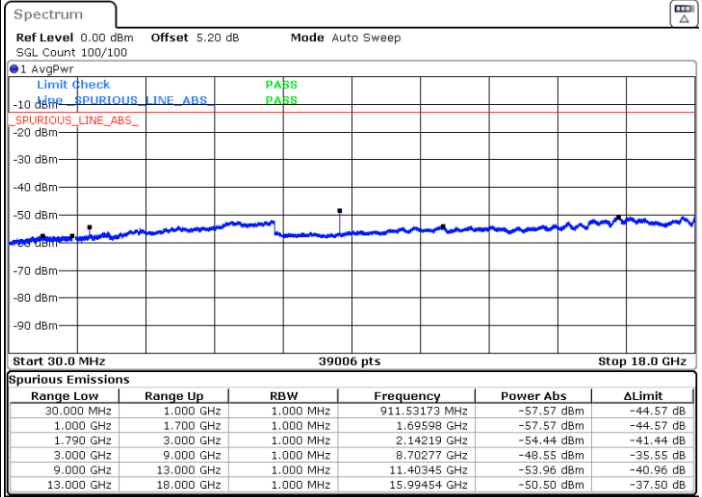
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

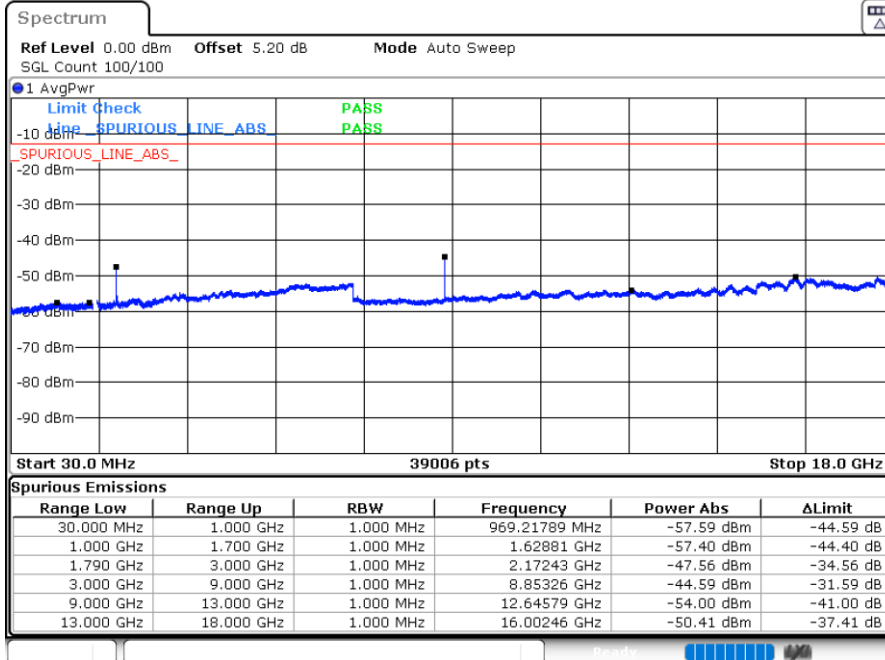


Date: 21.JUN.2022 19:09:21



Date: 21.JUN.2022 19:11:04

Highest Channel / 1RB1



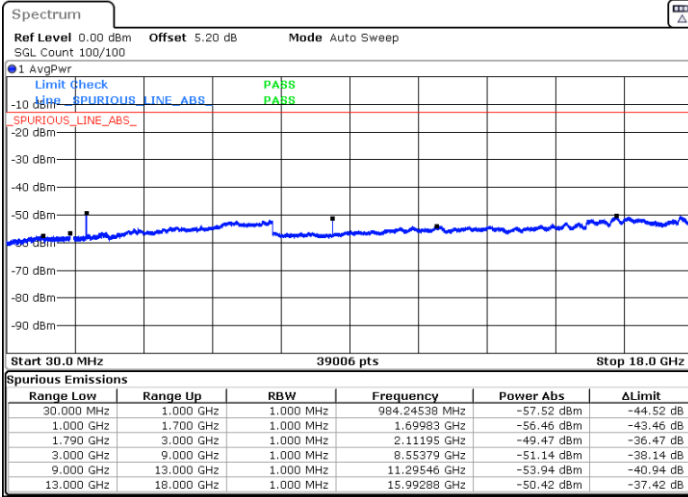
Date: 21.JUN.2022 19:20:16



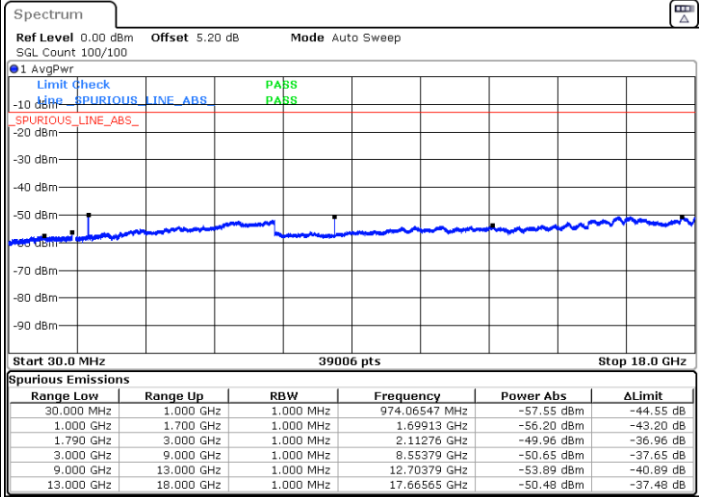
FR1 n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

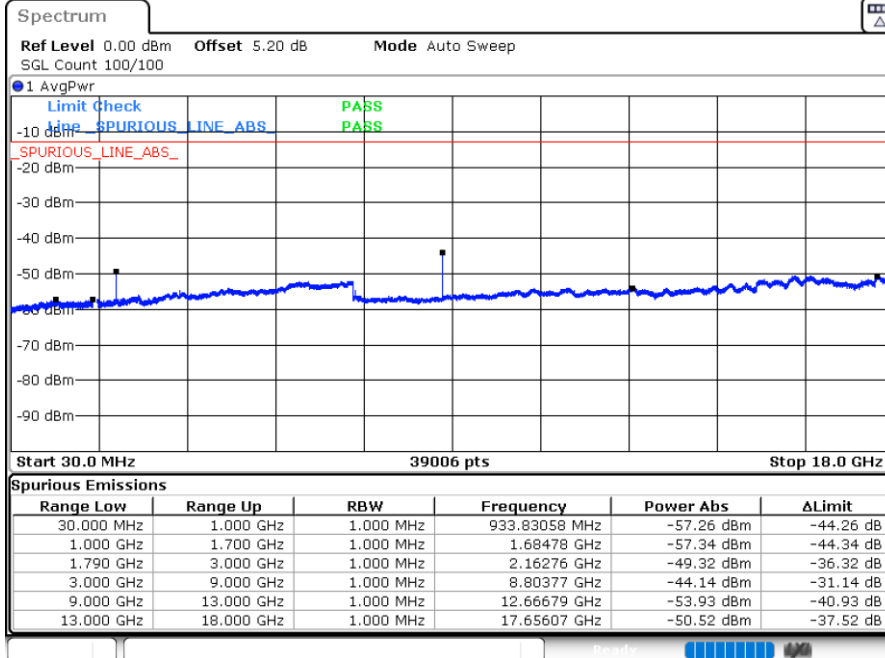


Date: 21.JUN.2022 19:30:48



Date: 21.JUN.2022 19:35:09

Highest Channel / 1RB1



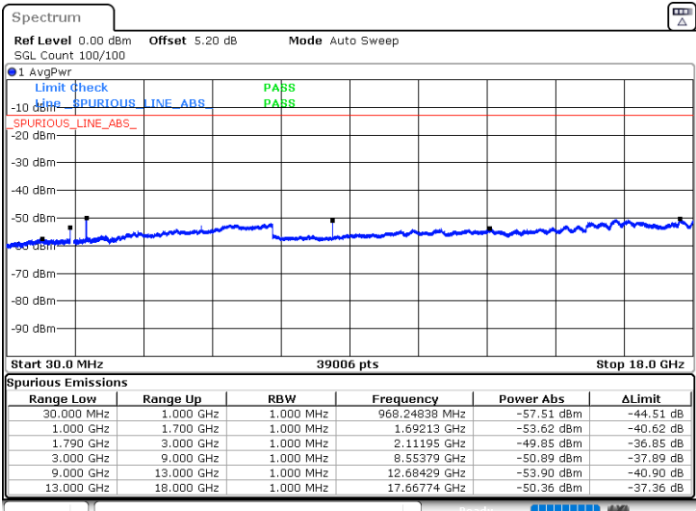
Date: 21.JUN.2022 19:36:27



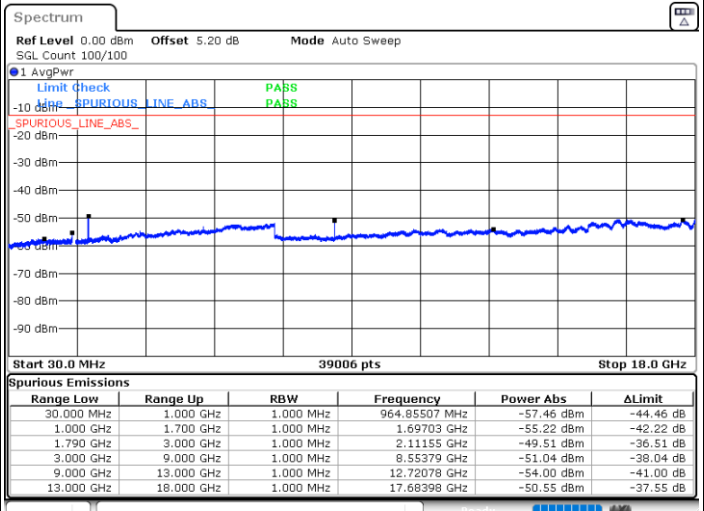
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

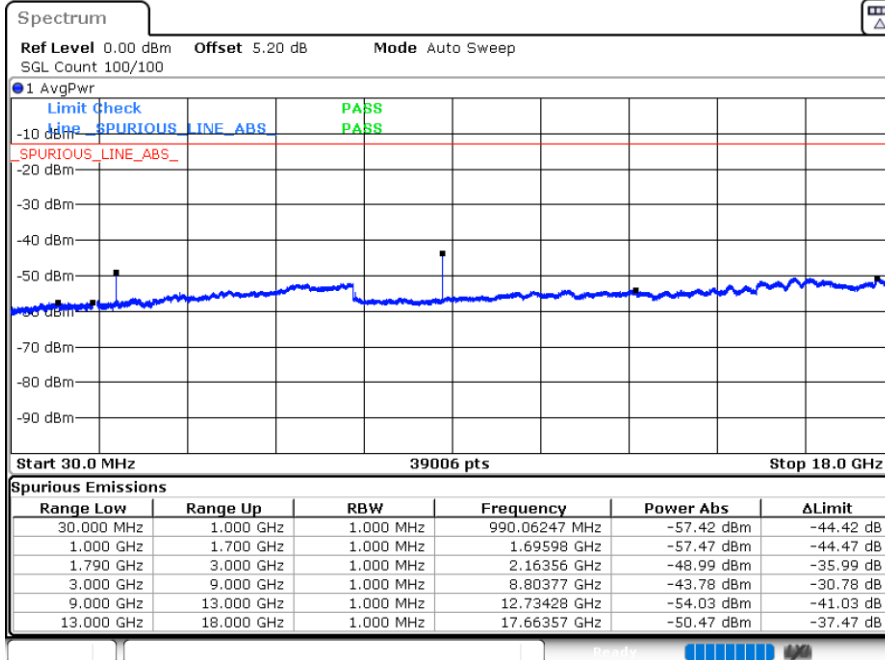


Date: 21.JUN.2022 19:33:03



Date: 21.JUN.2022 19:33:51

Highest Channel / 1RB1



Date: 21.JUN.2022 19:37:25



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0006	

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.