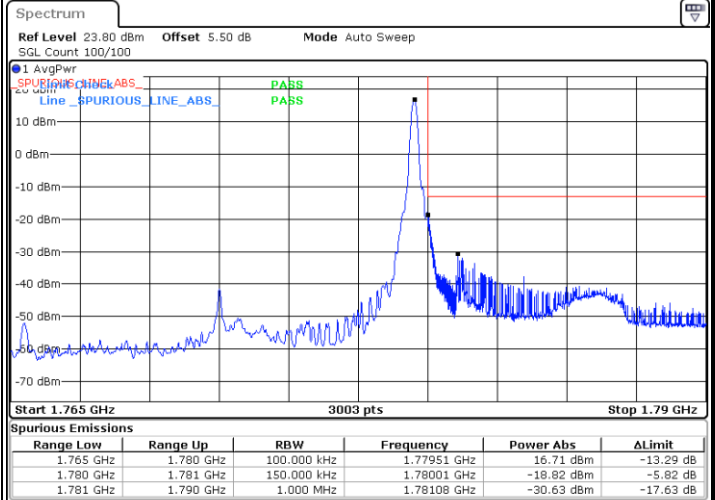
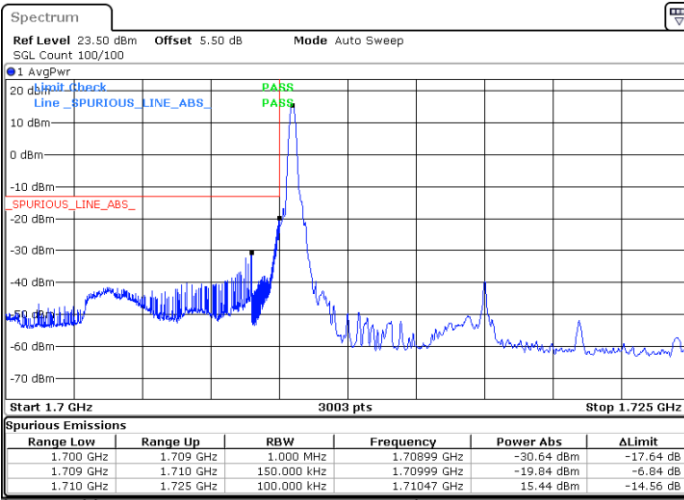




FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

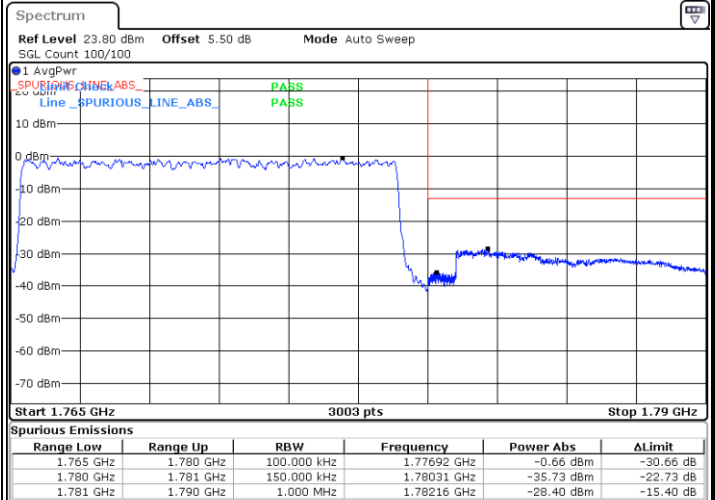
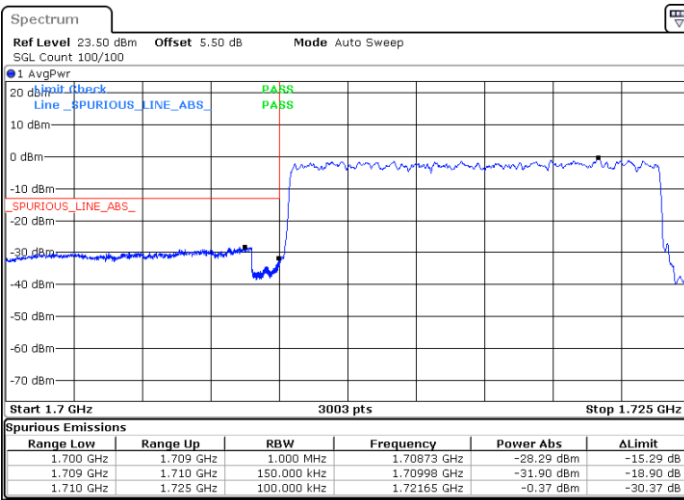


Date: 1 JUL 2020 00:32:26

Date: 1 JUL 2020 00:39:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:32:44

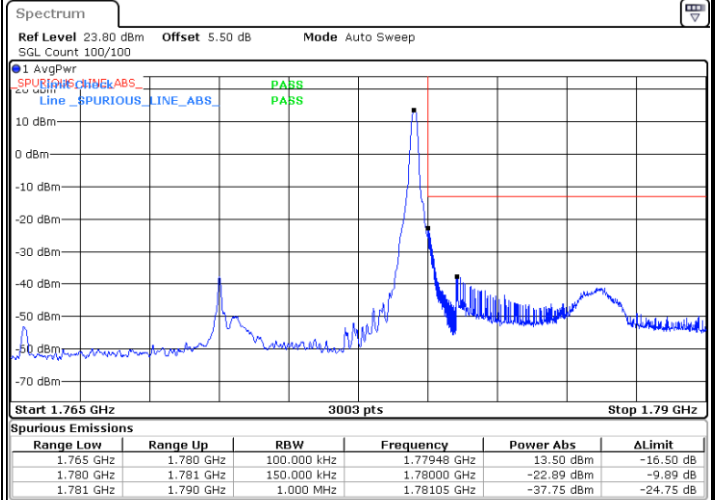
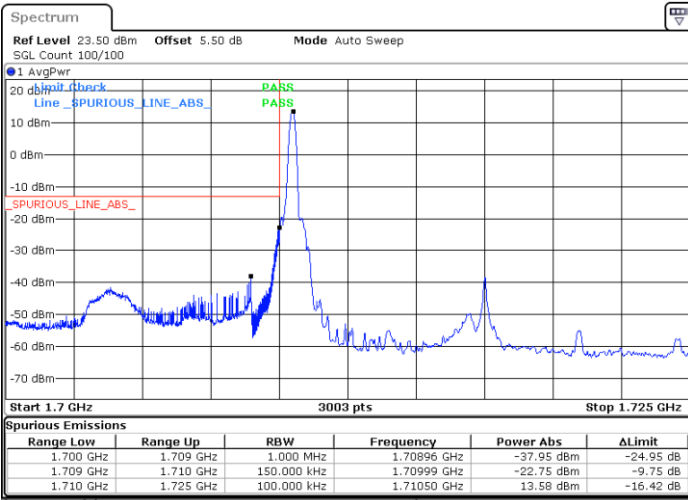
Date: 1 JUL 2020 00:40:20



FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

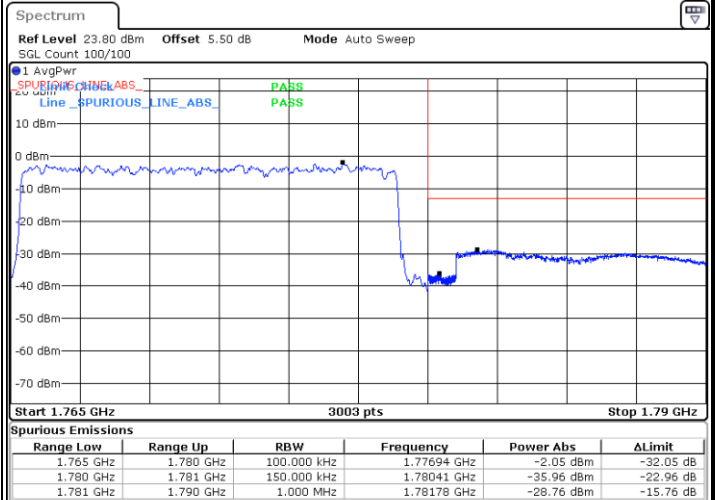
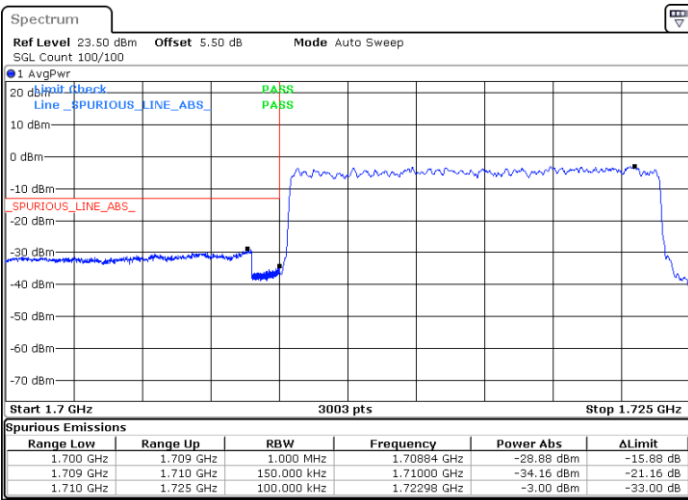


Date: 1 JUL 2020 00:33:44

Date: 1 JUL 2020 00:41:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:33:27

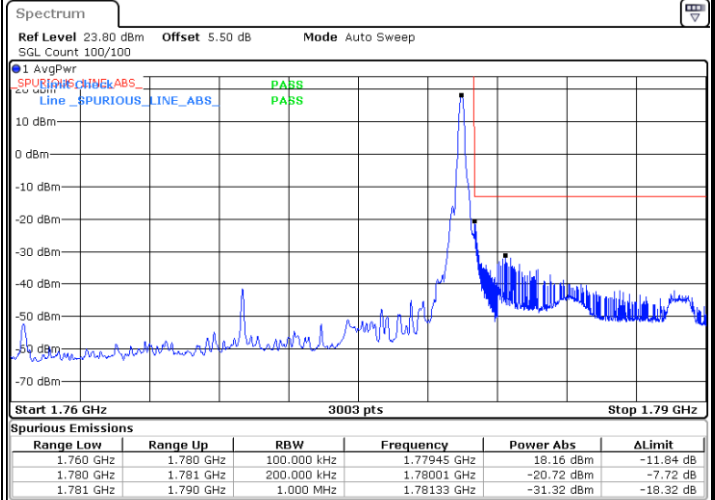
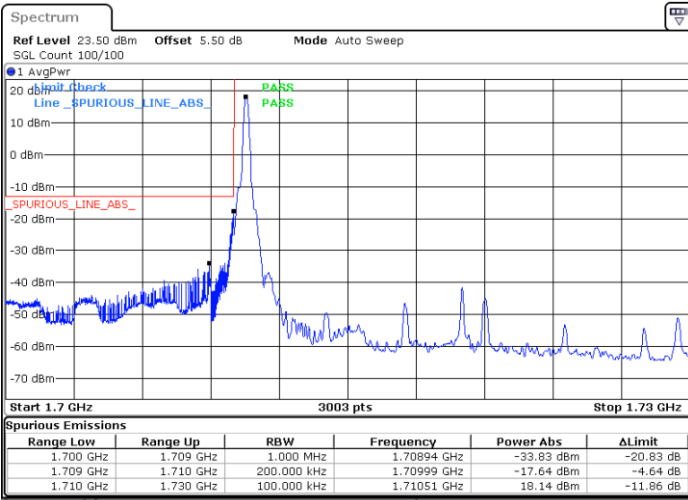
Date: 1 JUL 2020 00:41:21



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

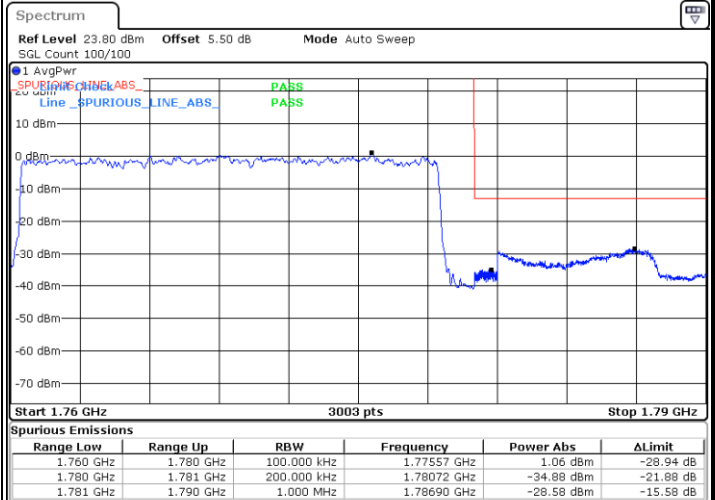
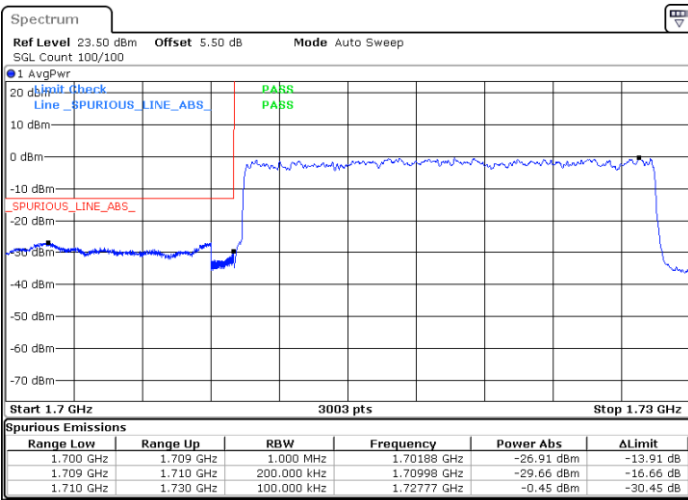


Date: 1 JUL 2020 00:43:28

Date: 1 JUL 2020 00:49:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:43:03

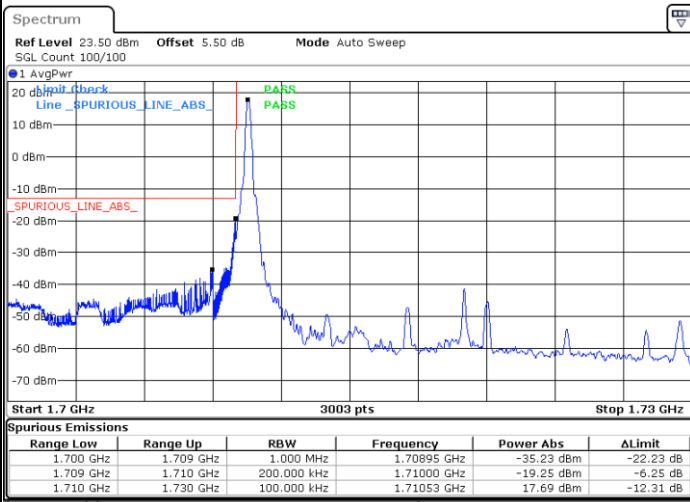
Date: 1 JUL 2020 00:49:42



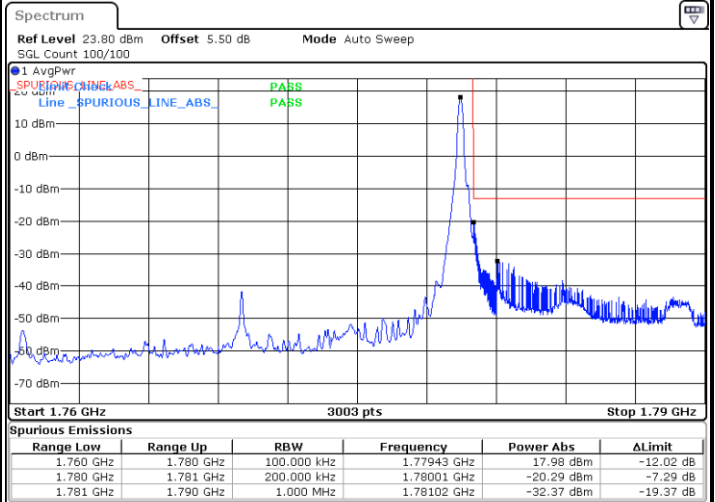
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



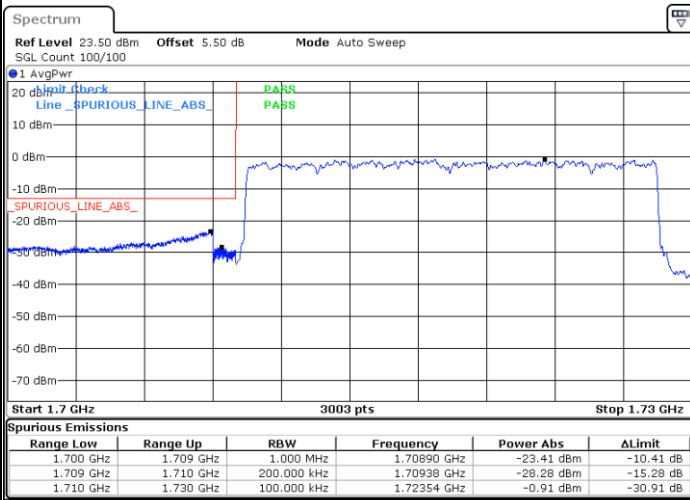
Date: 1 JUL 2020 00:43:44



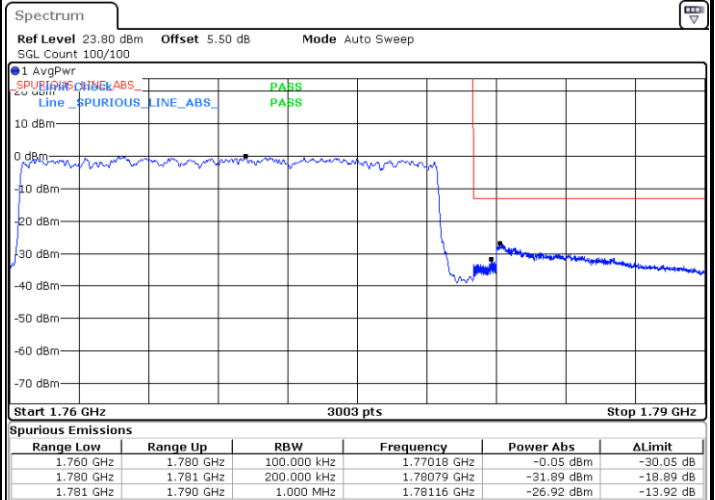
Date: 1 JUL 2020 00:50:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:44:01



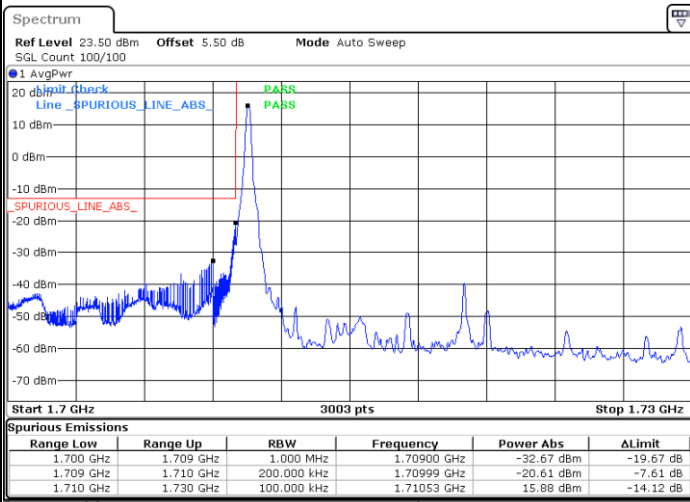
Date: 1 JUL 2020 00:50:25



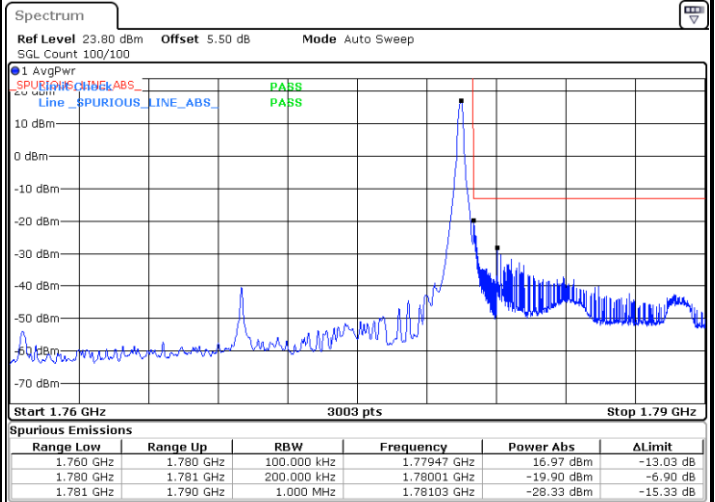
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



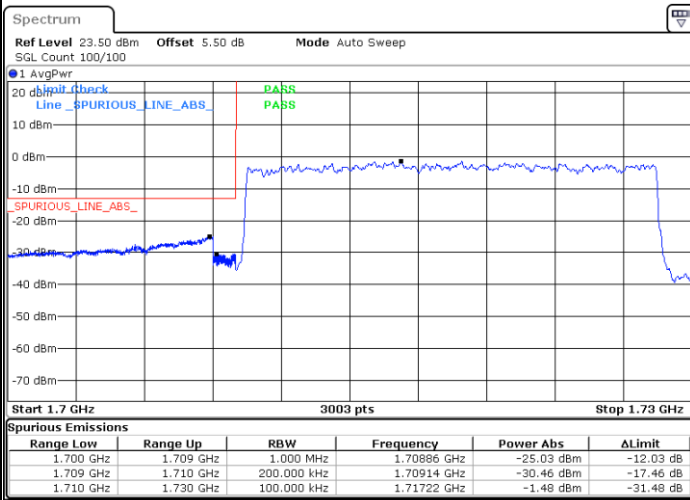
Date: 1 JUL 2020 00:45:30



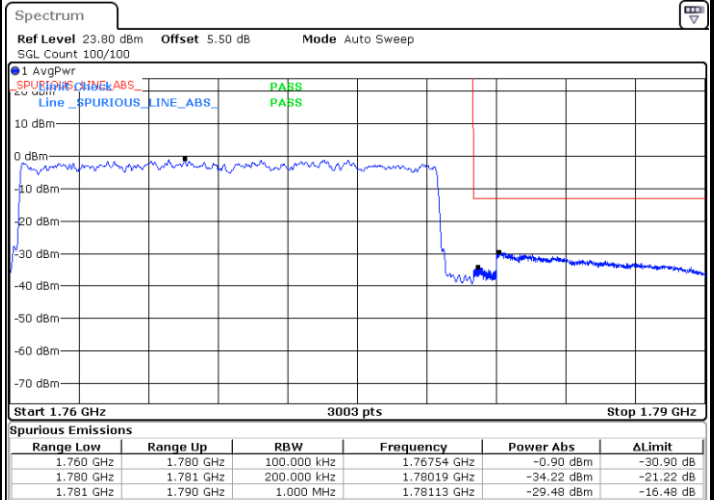
Date: 1 JUL 2020 00:51:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:45:17



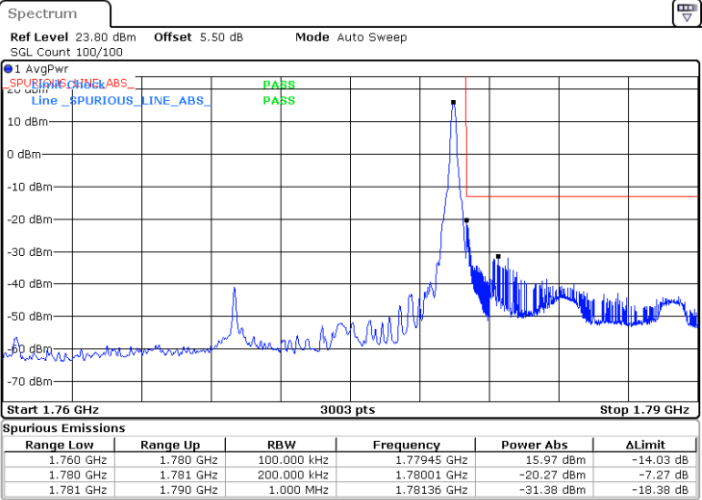
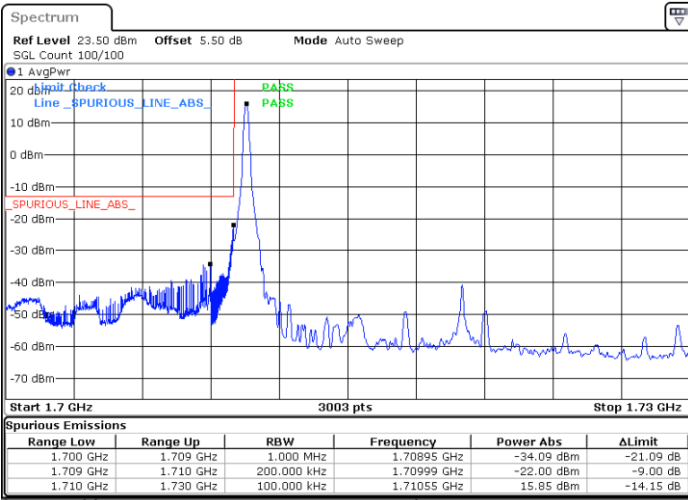
Date: 1 JUL 2020 00:51:01



FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

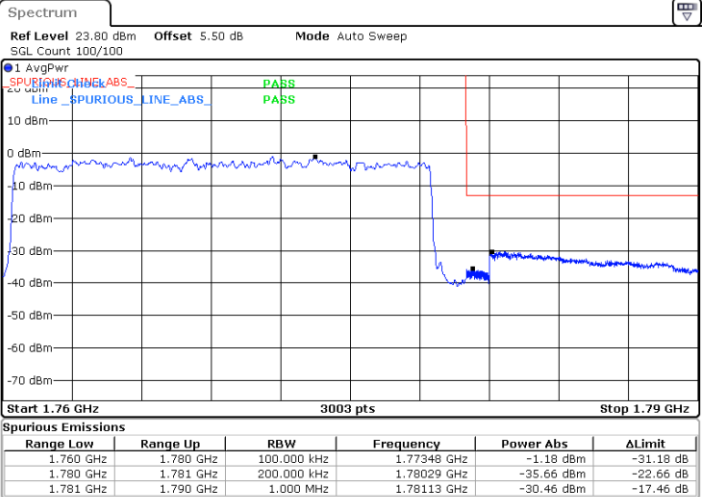
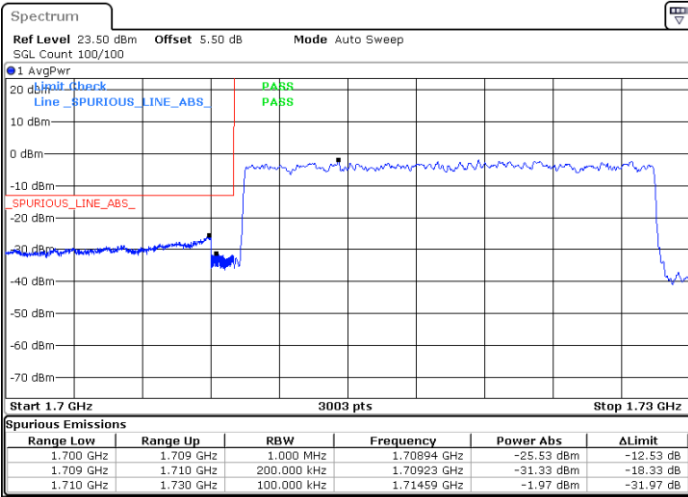


Date: 1 JUL 2020 00:45:46

Date: 1 JUL 2020 00:51:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:46:01

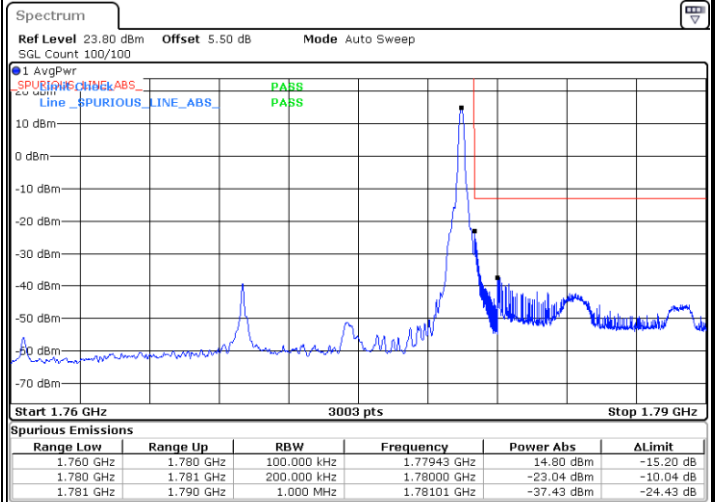
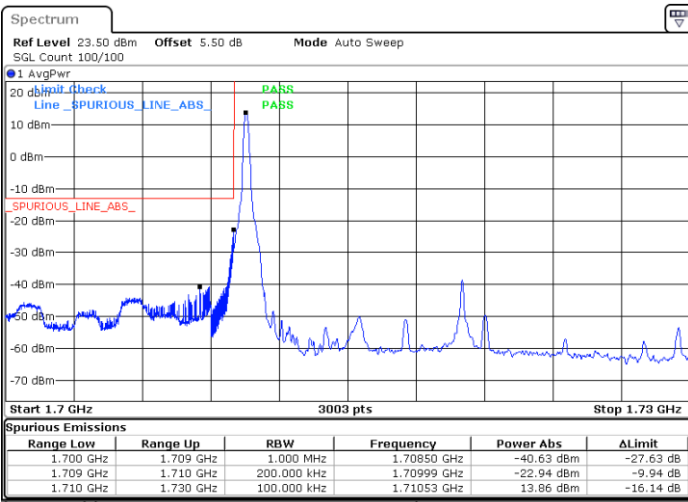
Date: 1 JUL 2020 00:51:51



FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

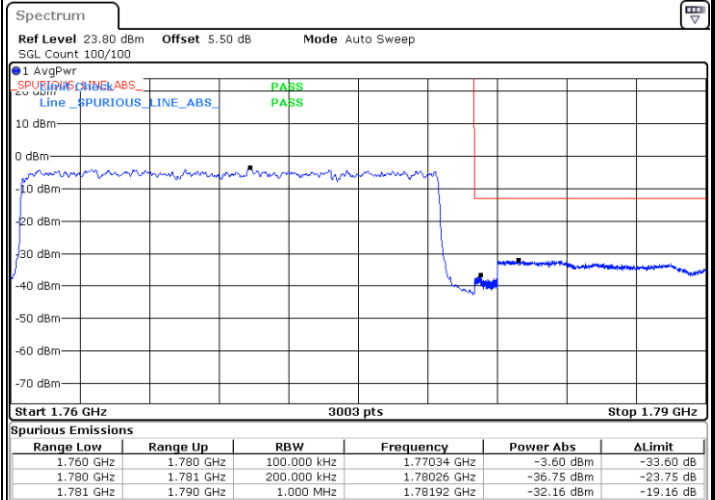
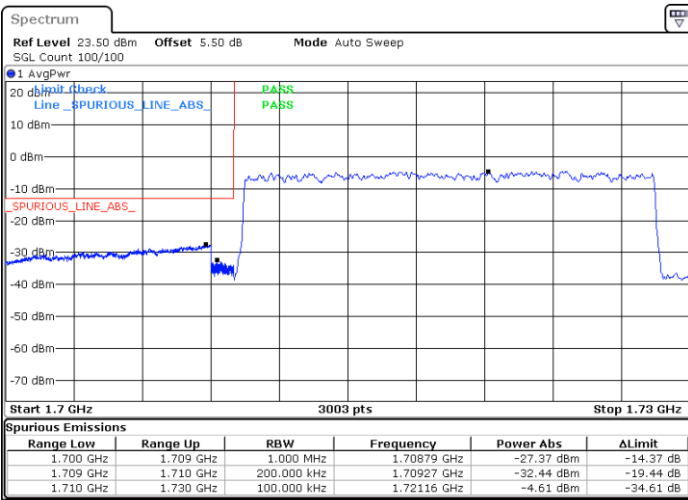


Date: 1 JUL 2020 00:46:55

Date: 1 JUL 2020 00:52:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JUL 2020 00:46:41

Date: 1 JUL 2020 00:52:31

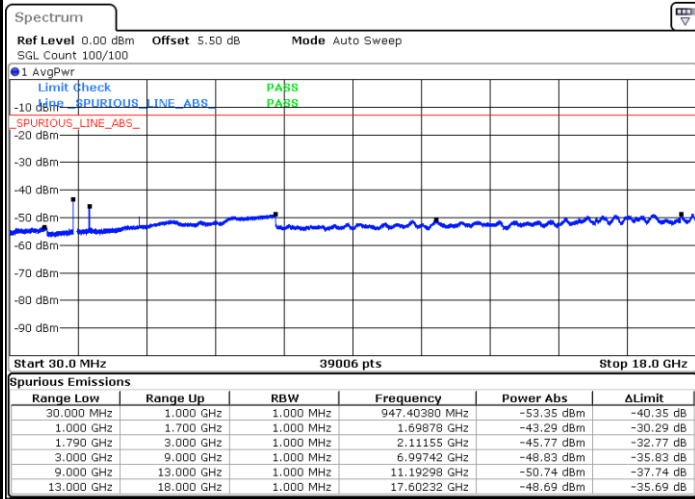


Conducted Spurious Emission

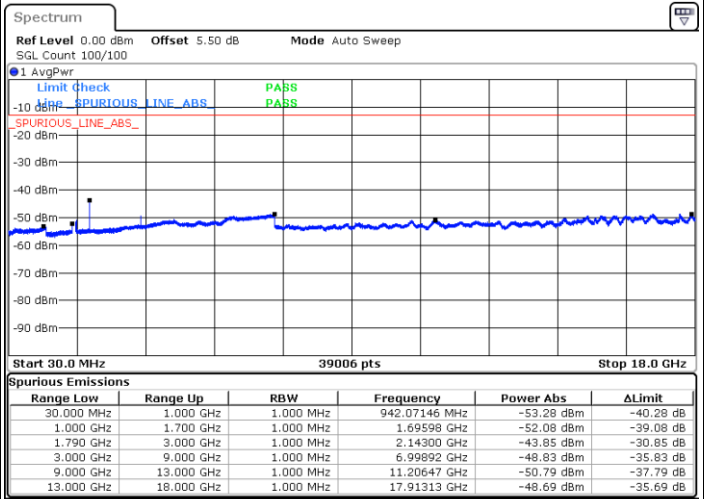
FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

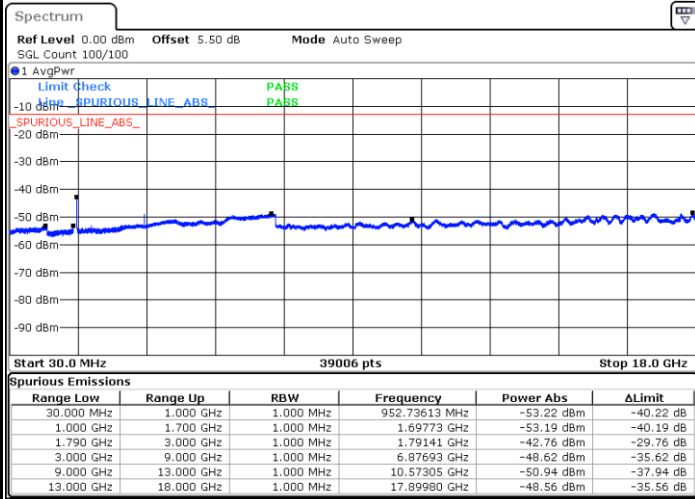


Date: 1 JUL 2020 02:00:01



Date: 1 JUL 2020 02:03:56

Highest Channel / 1RB0

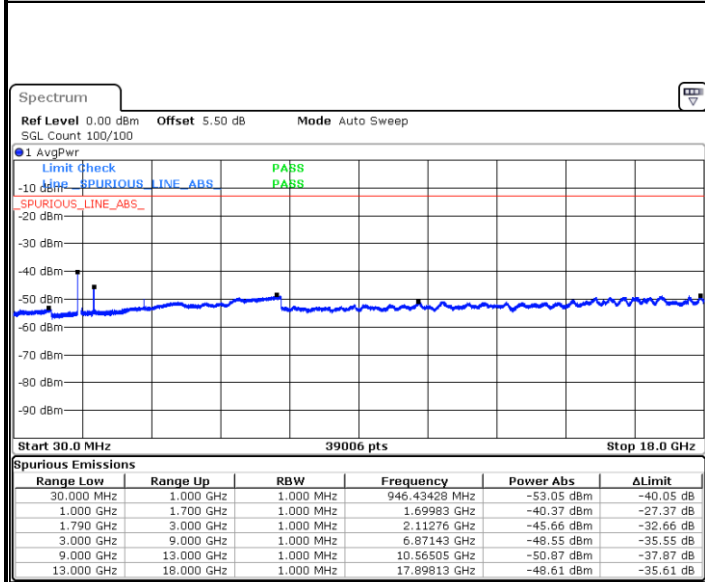


Date: 1 JUL 2020 02:07:40



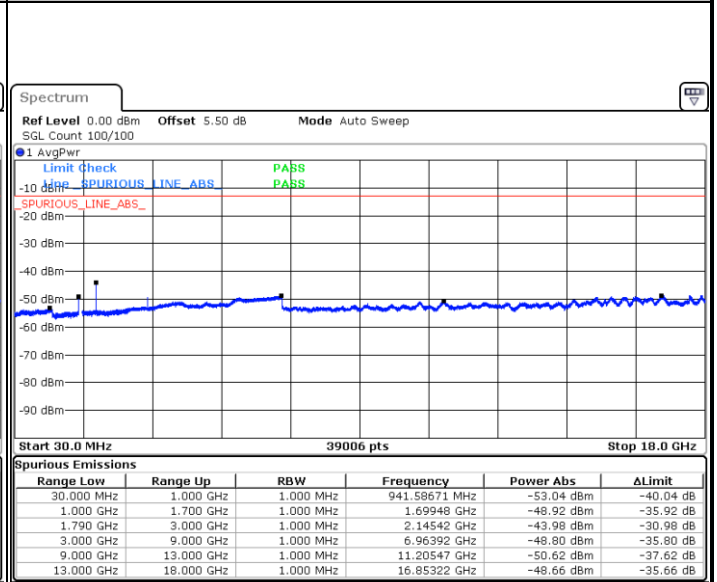
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



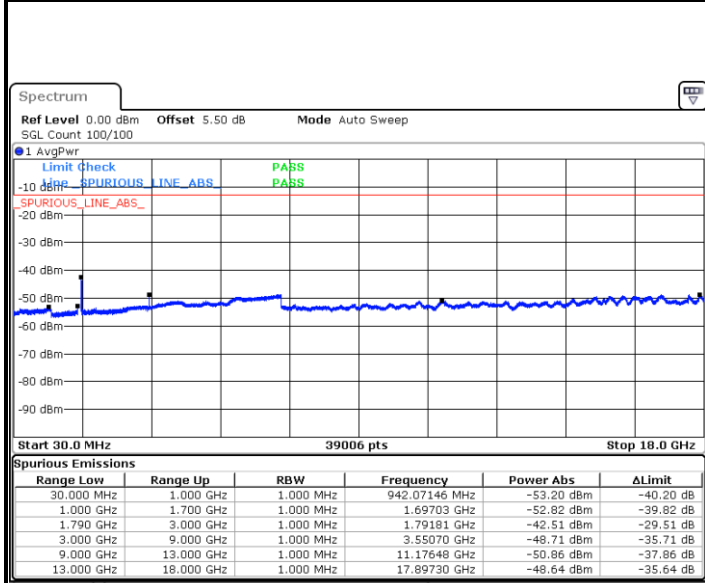
Date: 1 JUL 2020 02:00:47

Middle Channel / 1RB0



Date: 1 JUL 2020 02:04:39

Highest Channel / 1RB0



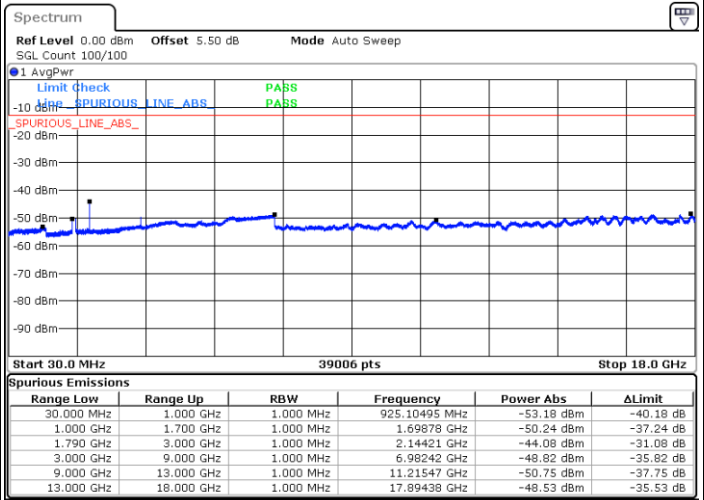
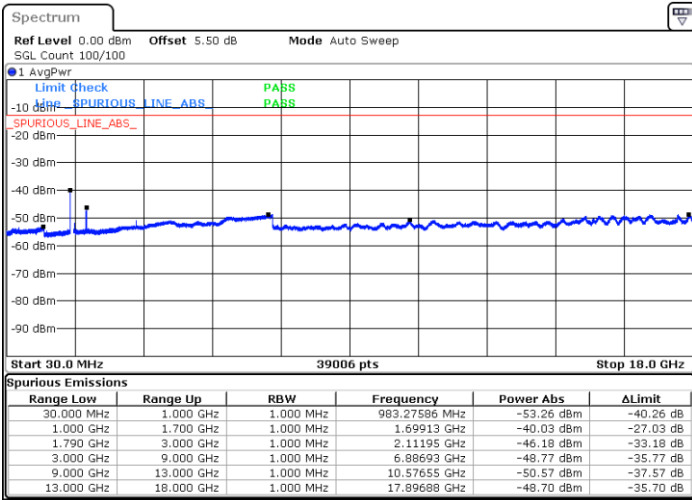
Date: 1 JUL 2020 02:08:19



FR1 n66 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

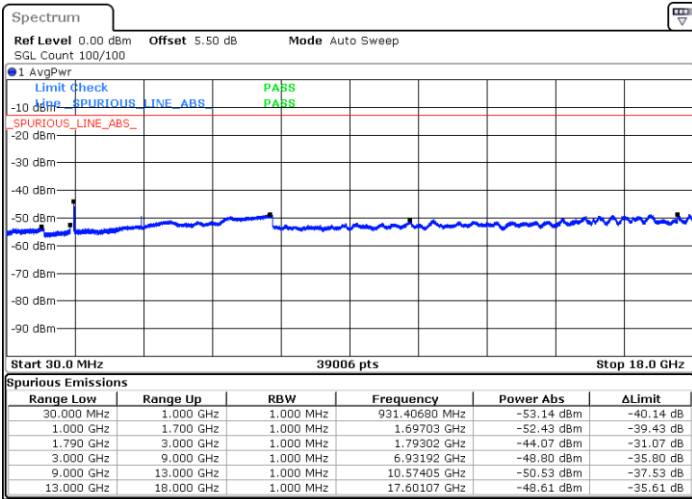
Middle Channel / 1RB0



Date: 1 JUL 2020 02:01:24

Date: 1 JUL 2020 02:05:18

Highest Channel / 1RB0



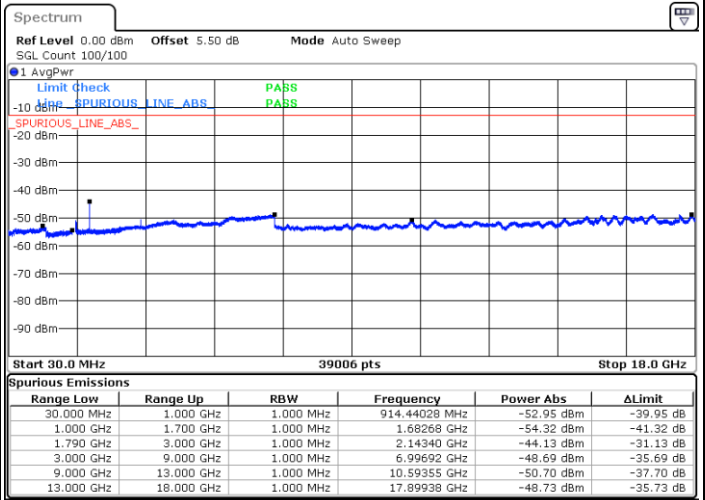
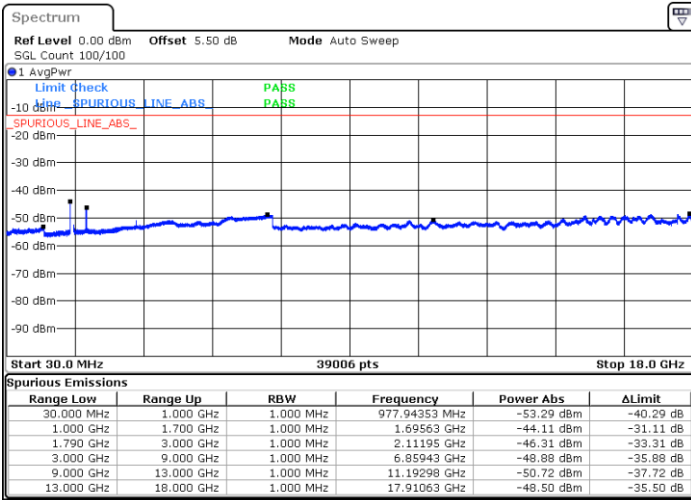
Date: 1 JUL 2020 02:08:58



FR1 n66 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

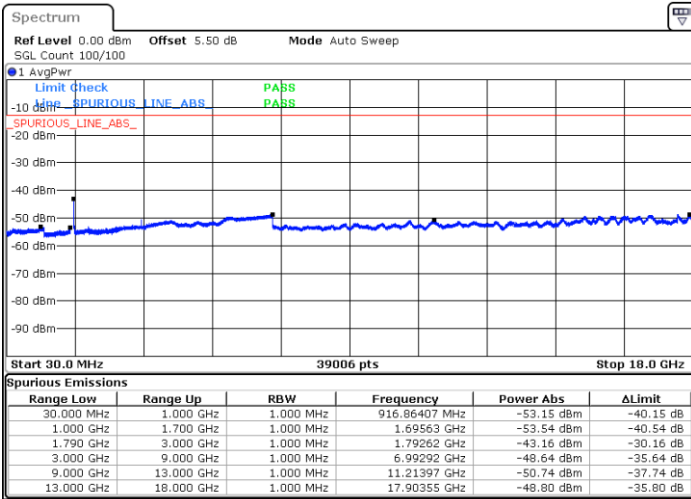
Middle Channel / 1RB0



Date: 1 JUL 2020 02:02:03

Date: 1 JUL 2020 02:05:58

Highest Channel / 1RB0



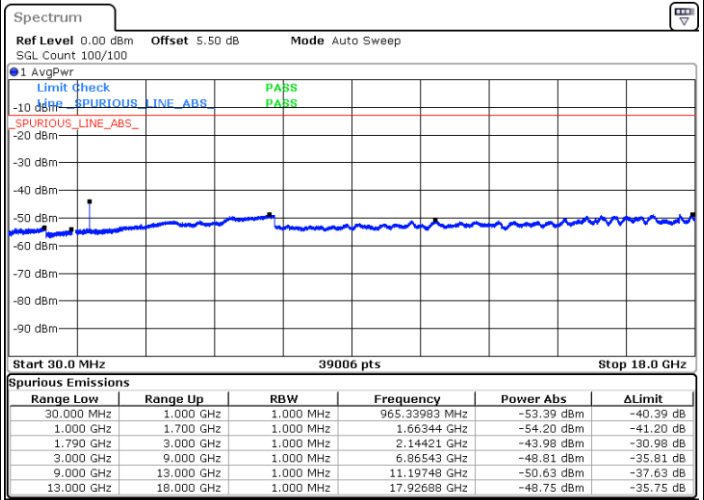
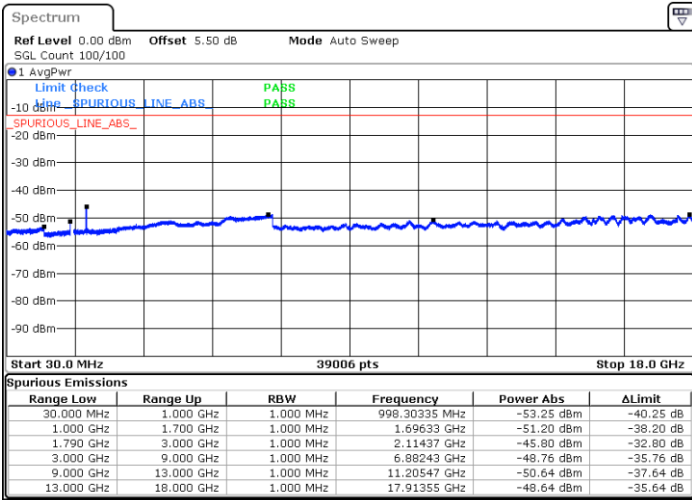
Date: 1 JUL 2020 02:09:40



FR1 n66 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

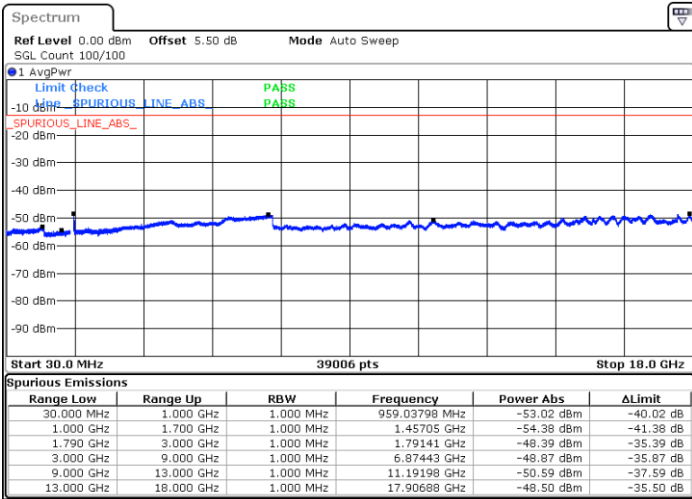
Middle Channel / 1RB0



Date: 1 JUL 2020 02:02:43

Date: 1 JUL 2020 02:06:46

Highest Channel / 1RB0



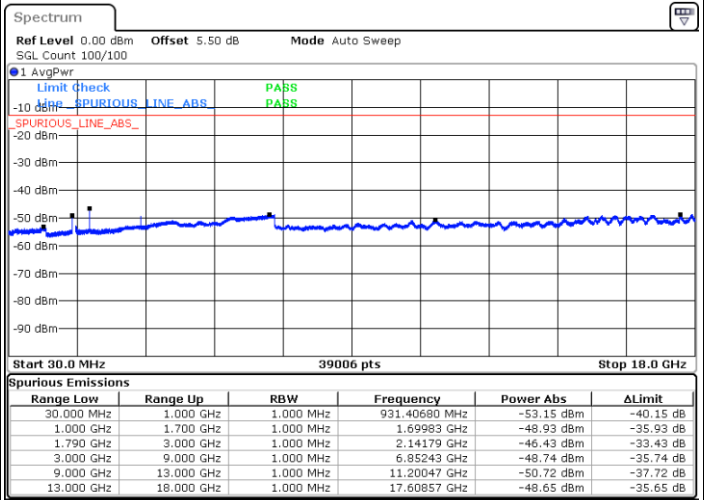
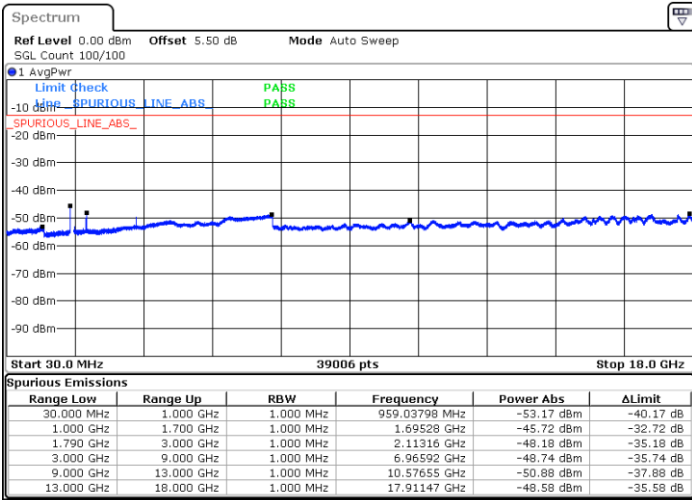
Date: 1 JUL 2020 02:10:40



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

Lowest Channel / 1RB0

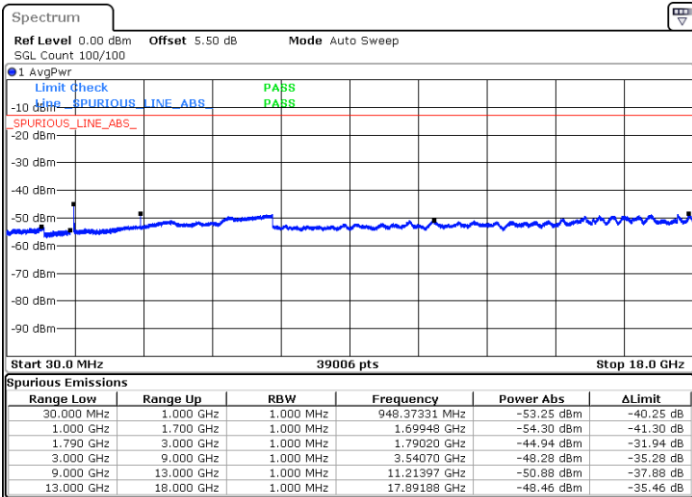
Middle Channel / 1RB0



Date: 1 JUL 2020 02:11:52

Date: 1 JUL 2020 02:15:43

Highest Channel / 1RB0



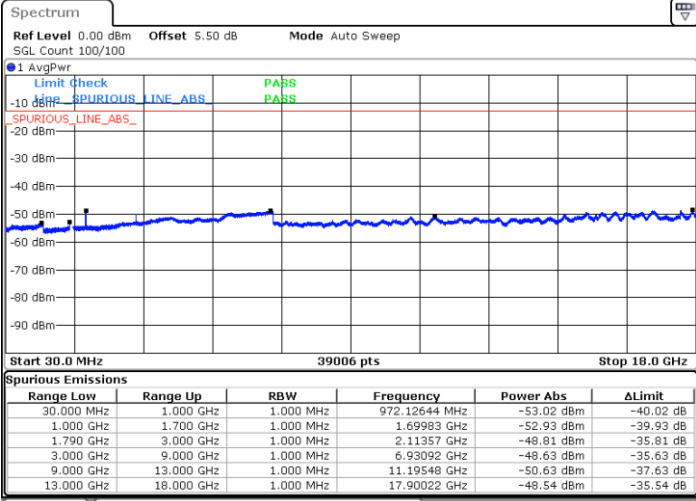
Date: 1 JUL 2020 02:27:05



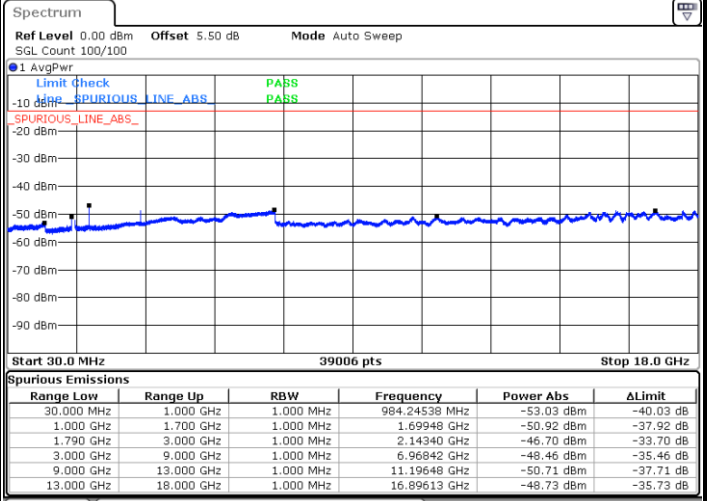
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

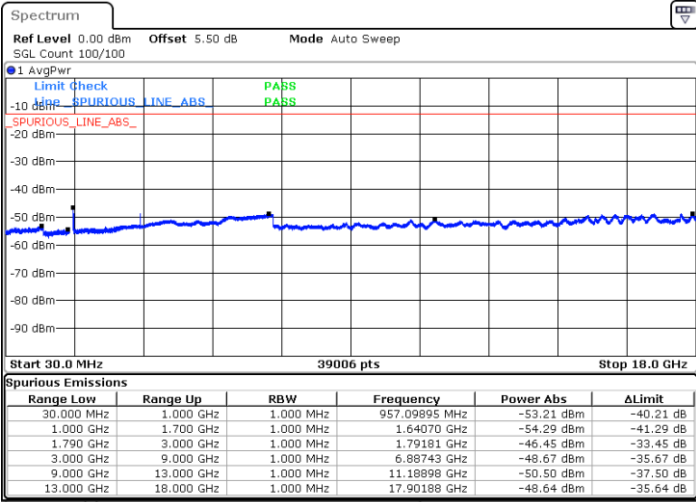


Date: 1 JUL 2020 02:12:35



Date: 1 JUL 2020 02:16:20

Highest Channel / 1RB0



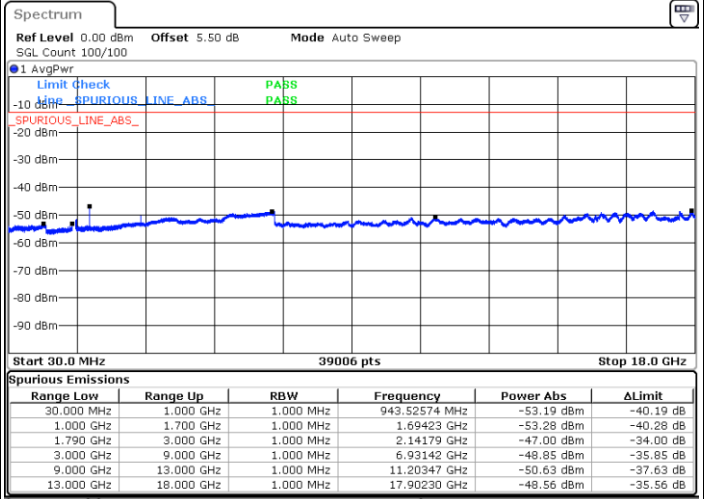
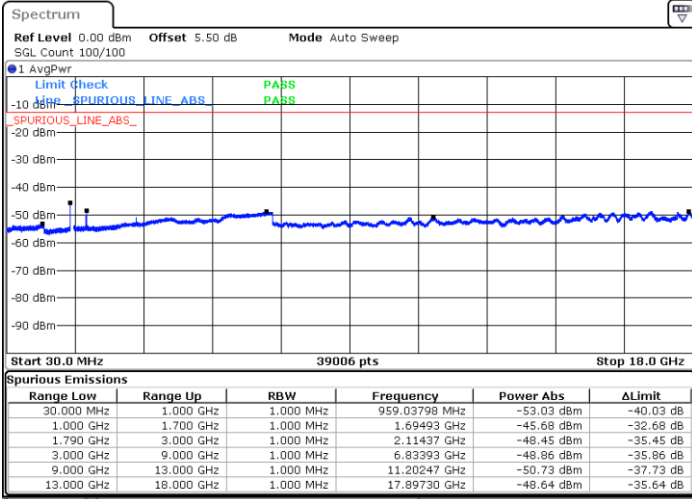
Date: 1 JUL 2020 02:27:44



FR1 n66 / 10MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

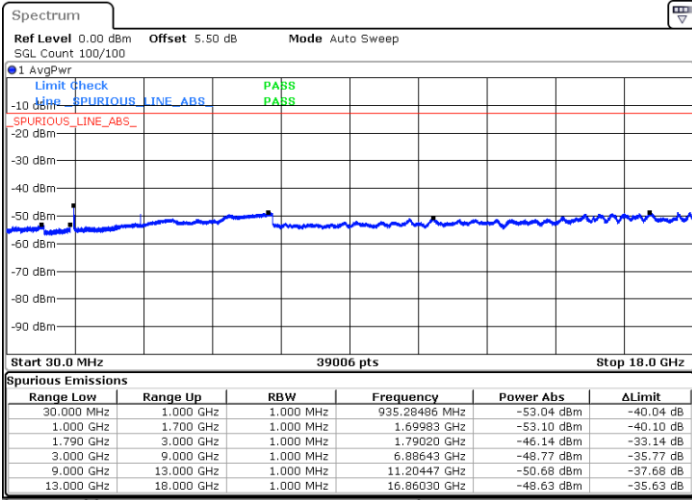
Middle Channel / 1RB0



Date: 1 JUL 2020 02:13:15

Date: 1 JUL 2020 02:17:20

Highest Channel / 1RB0



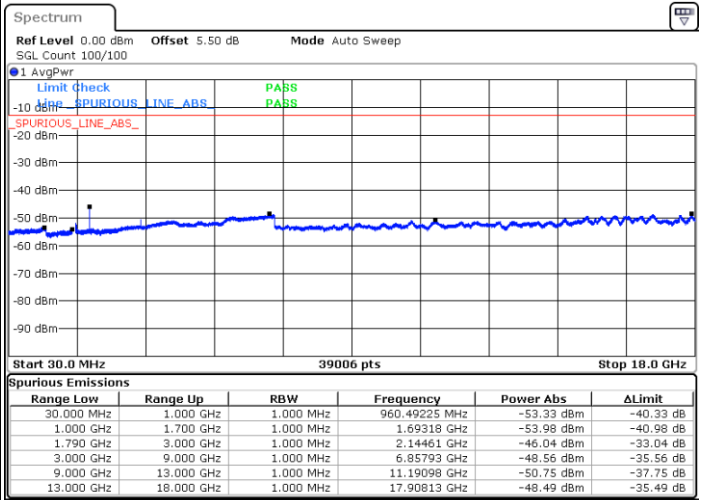
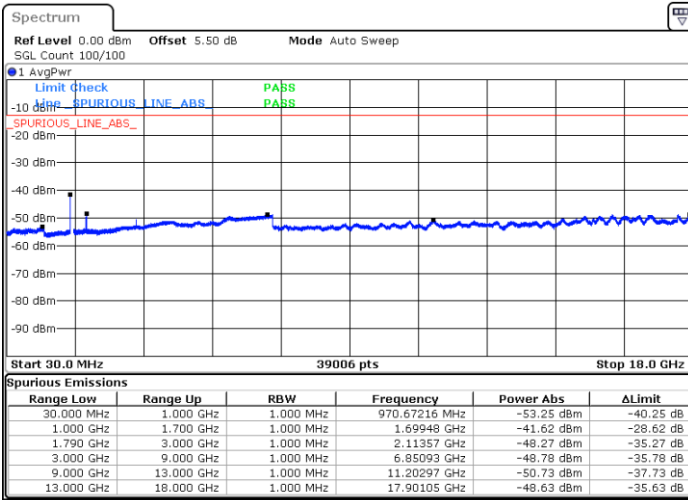
Date: 1 JUL 2020 02:28:23



FR1 n66 / 10MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

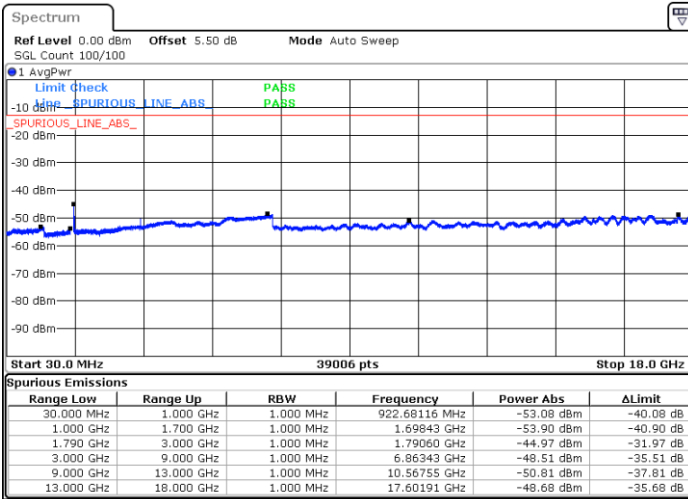
Middle Channel / 1RB0



Date: 1 JUL 2020 02:13:55

Date: 1 JUL 2020 02:17:57

Highest Channel / 1RB0

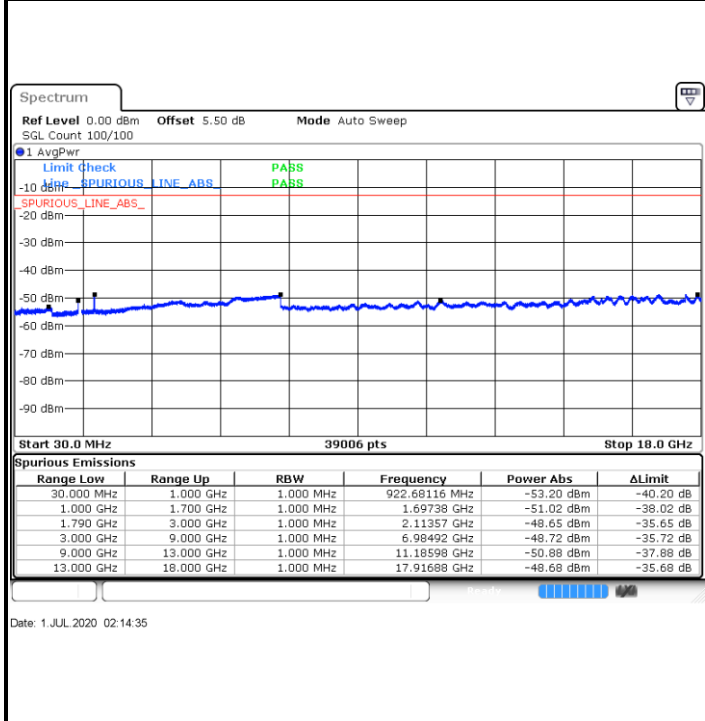


Date: 1 JUL 2020 02:29:02

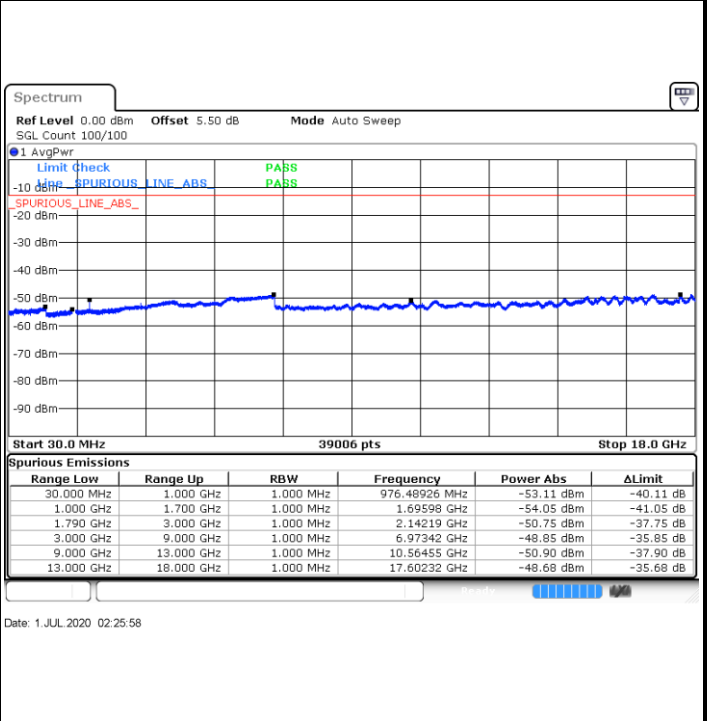


FR1 n66 / 10MHz / DFT-S OFDM / 256QAM

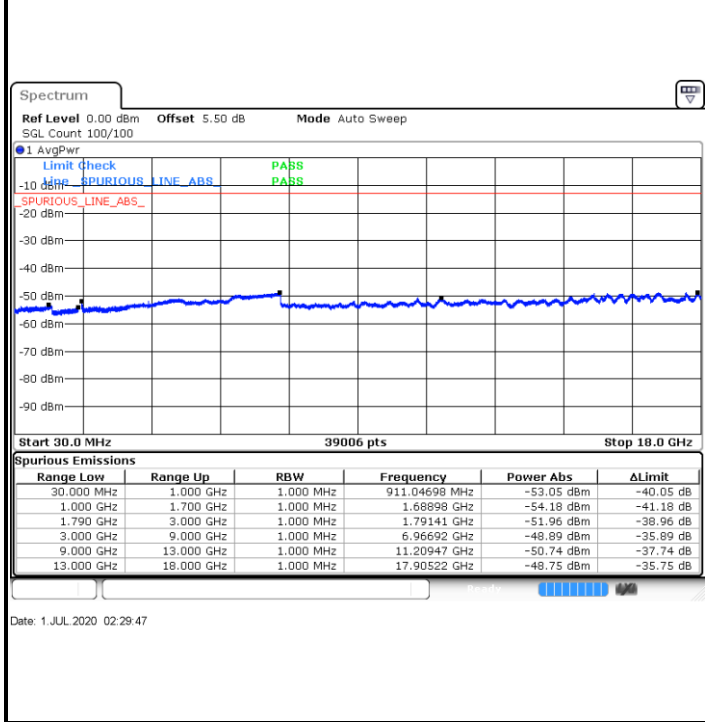
Lowest Channel / 1RB0



Middle Channel / 1RB0



Highest Channel / 1RB0

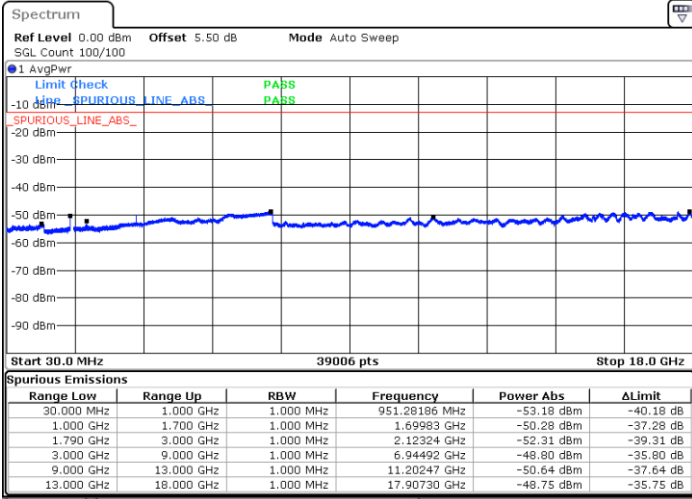




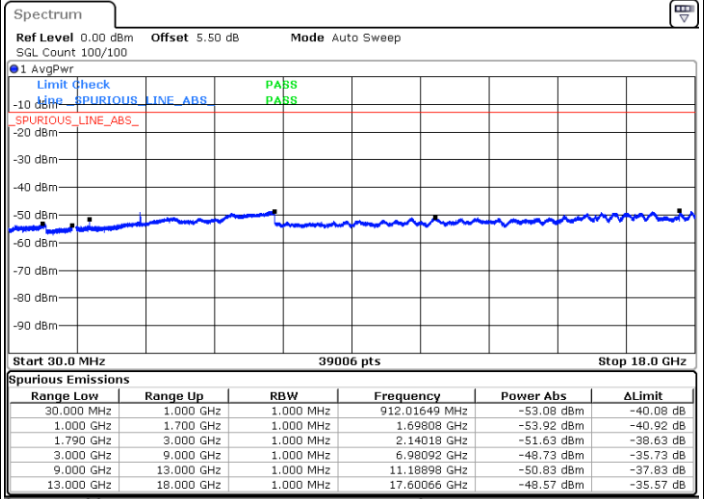
FR1 n66 / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

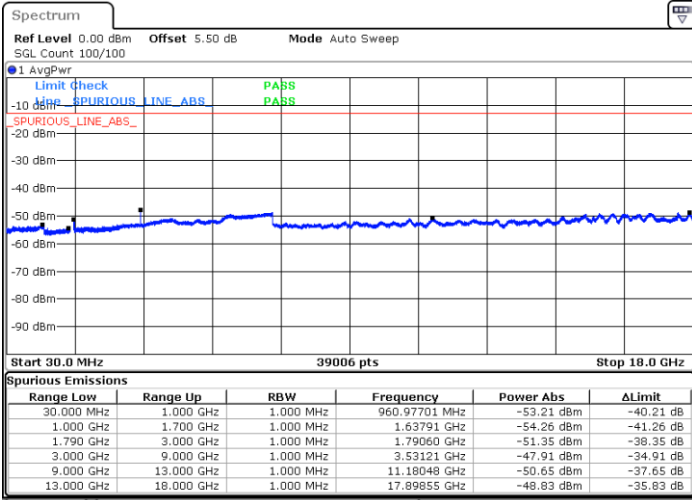


Date: 1 JUL 2020 02:31:00



Date: 1 JUL 2020 02:34:46

Highest Channel / 1RB0



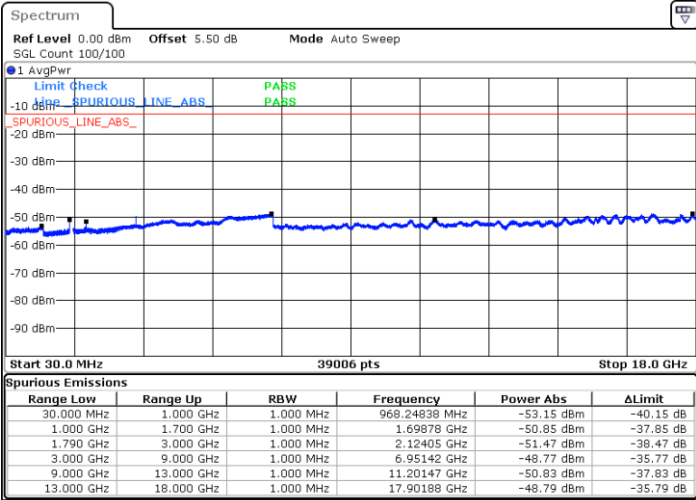
Date: 1 JUL 2020 02:38:29



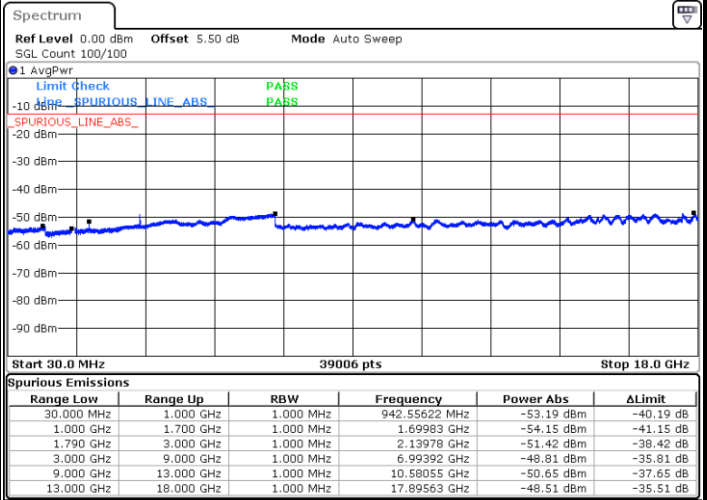
FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

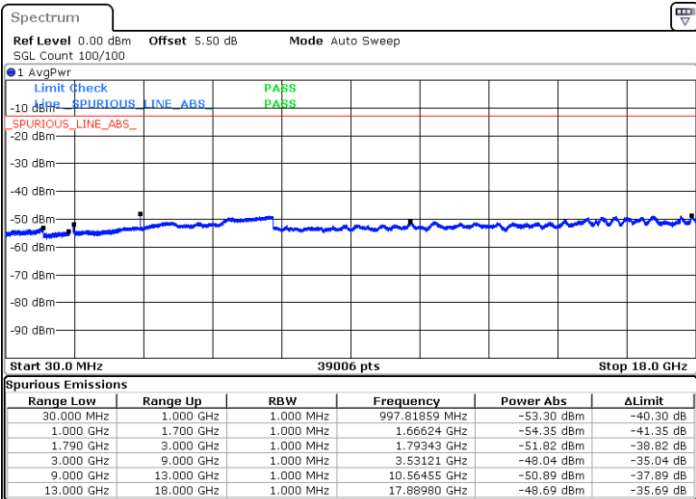


Date: 1 JUL 2020 02:31:39



Date: 1 JUL 2020 02:35:25

Highest Channel / 1RB0



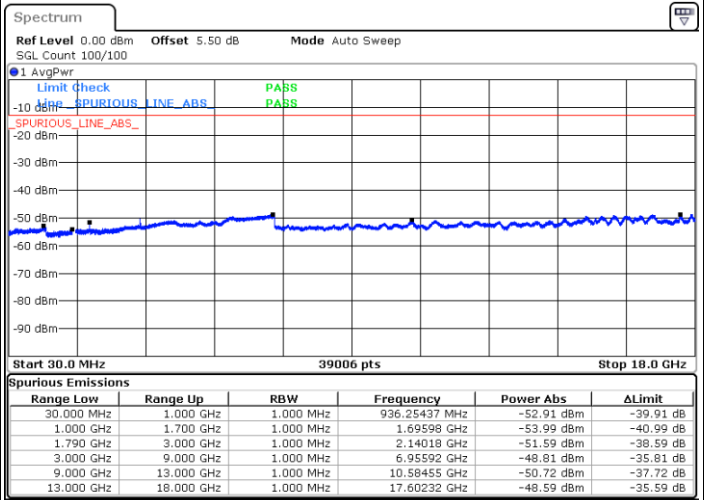
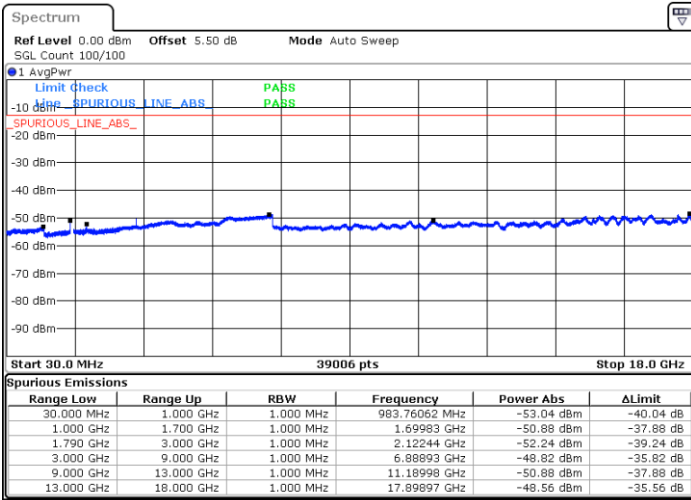
Date: 1 JUL 2020 02:39:09



FR1 n66 / 15MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

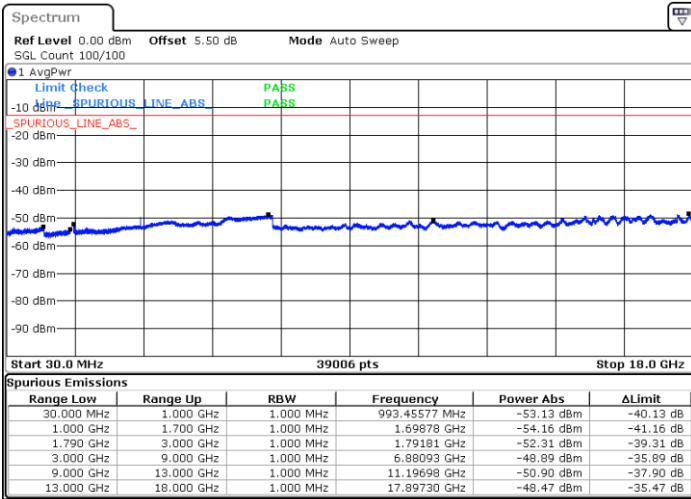
Middle Channel / 1RB0



Date: 1 JUL 2020 02:32:20

Date: 1 JUL 2020 02:36:04

Highest Channel / 1RB0



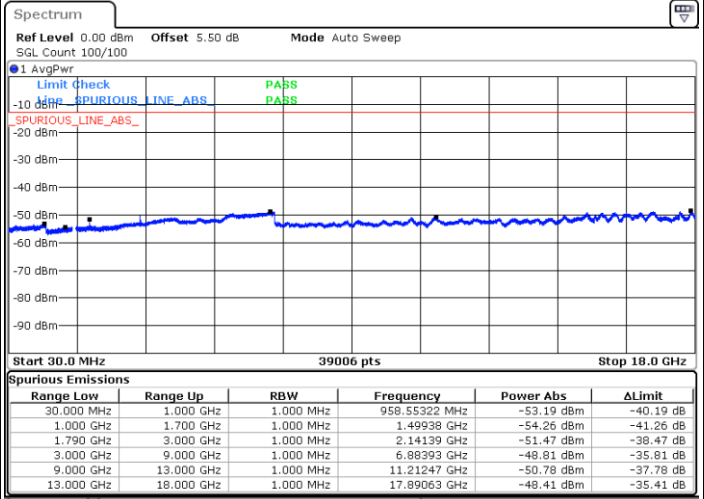
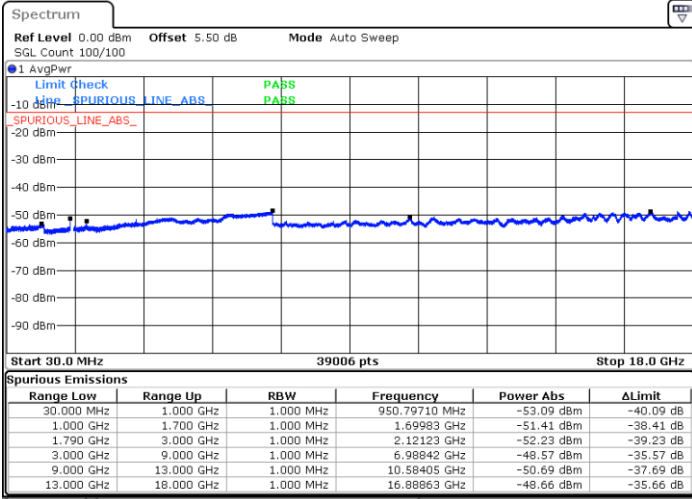
Date: 1 JUL 2020 02:39:49



FR1 n66 / 15MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

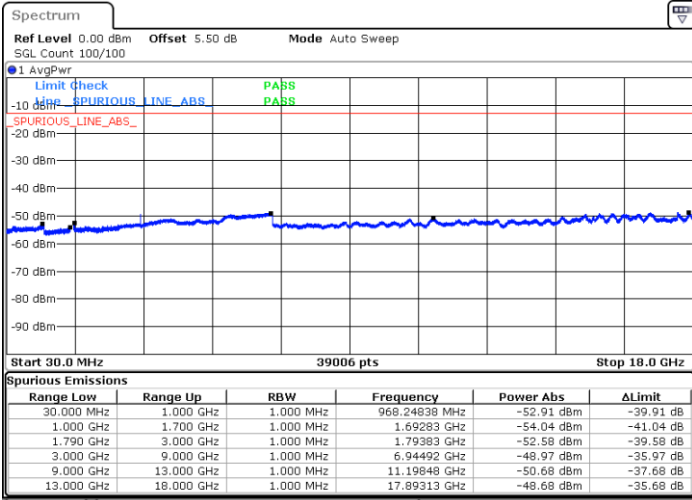
Middle Channel / 1RB0



Date: 1 JUL 2020 02:32:58

Date: 1 JUL 2020 02:36:43

Highest Channel / 1RB0



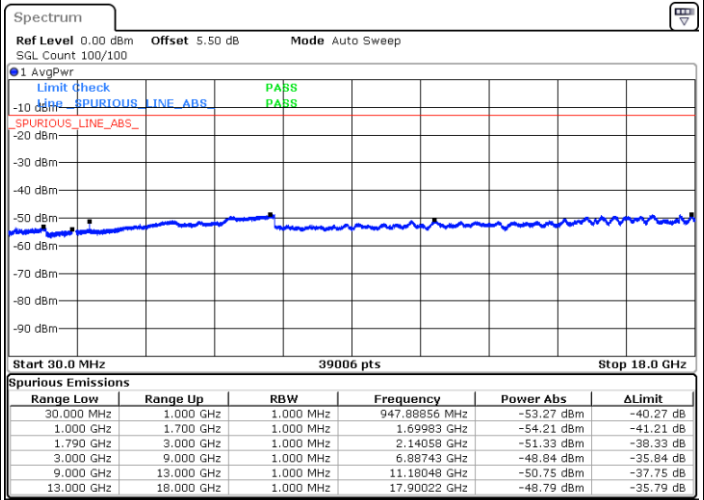
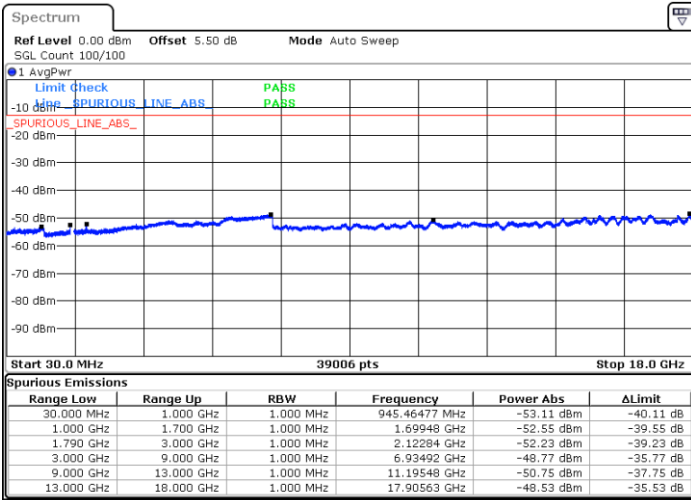
Date: 1 JUL 2020 02:40:42



FR1 n66 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

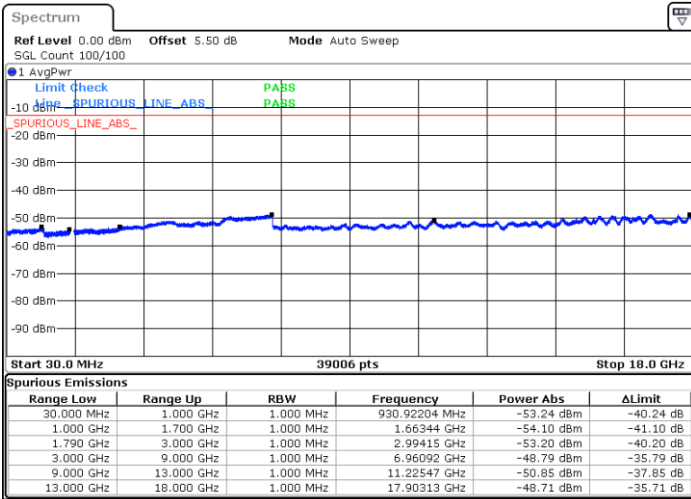
Middle Channel / 1RB0



Date: 1 JUL 2020 02:33:47

Date: 1 JUL 2020 02:37:27

Highest Channel / 1RB0



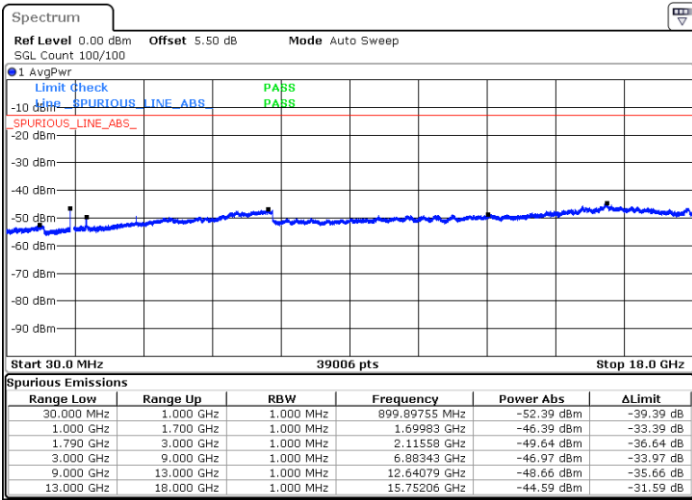
Date: 1 JUL 2020 02:41:23



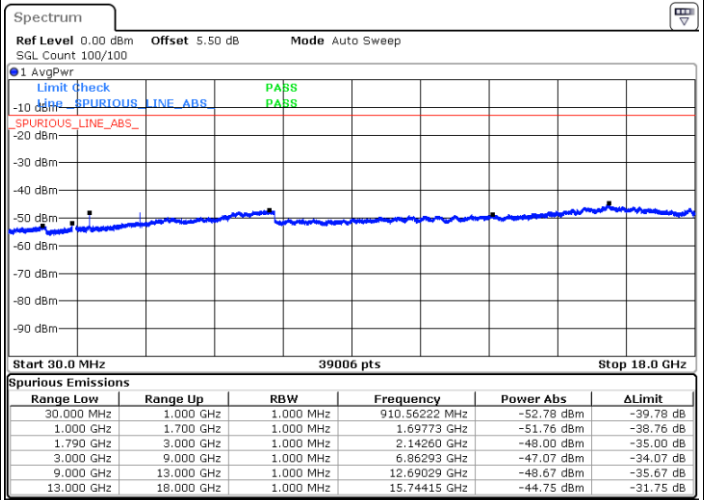
FR1 n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

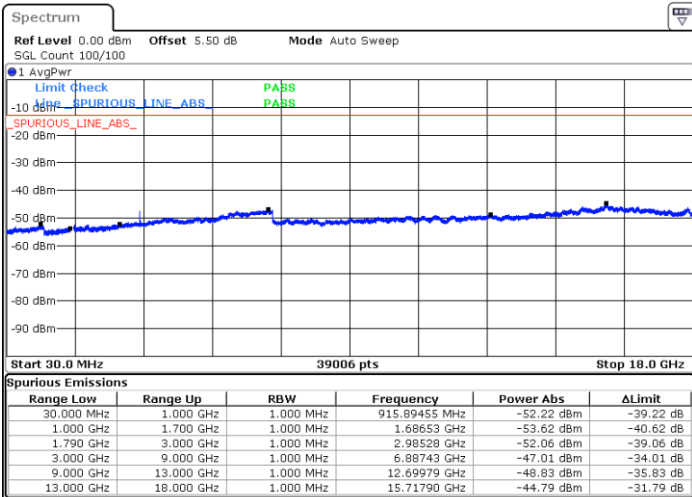


Date: 1.JUL.2020 02:15:33



Date: 1.JUL.2020 02:19:35

Highest Channel / 1RB0



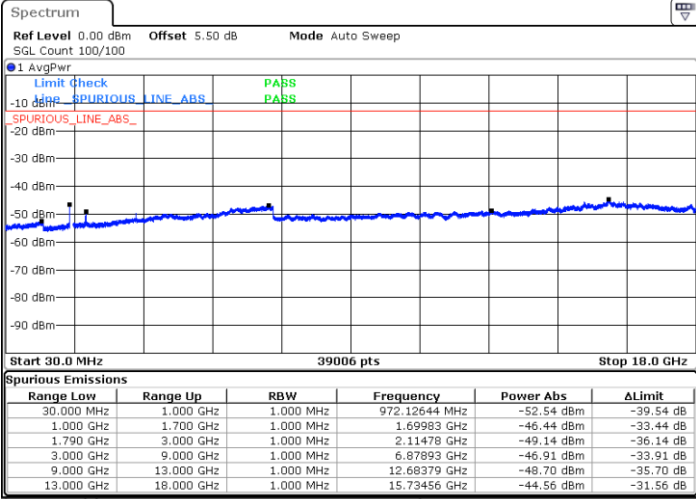
Date: 1.JUL.2020 02:25:51



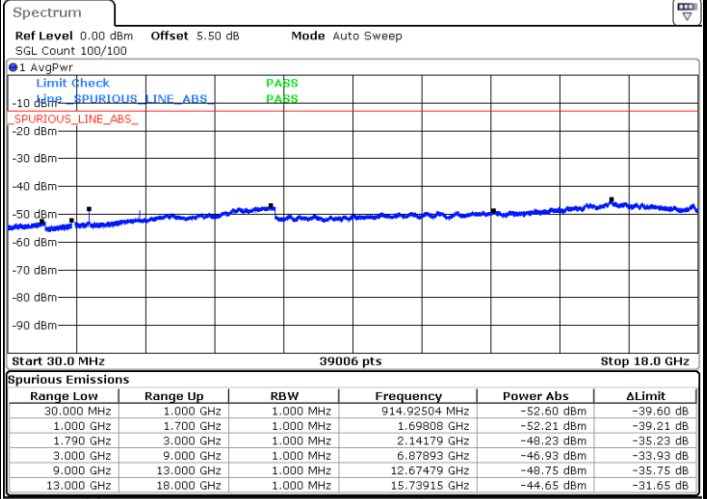
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

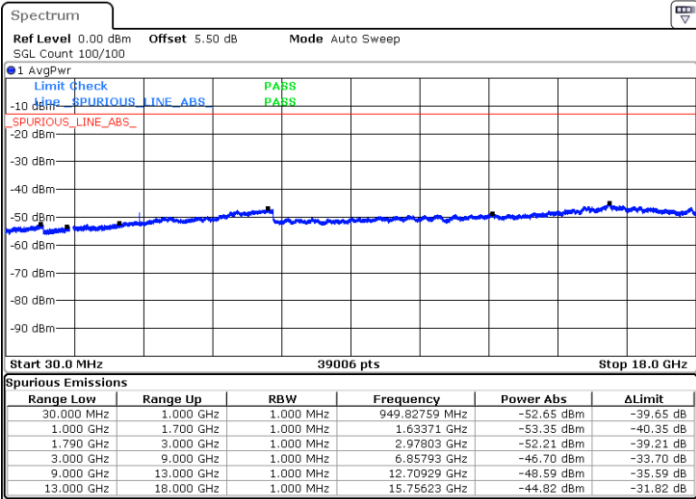


Date: 1.JUL.2020 02:16:13



Date: 1.JUL.2020 02:20:21

Highest Channel / 1RB0



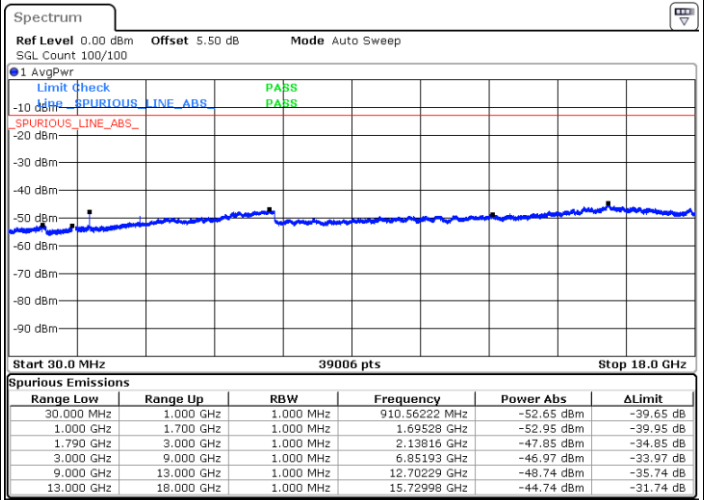
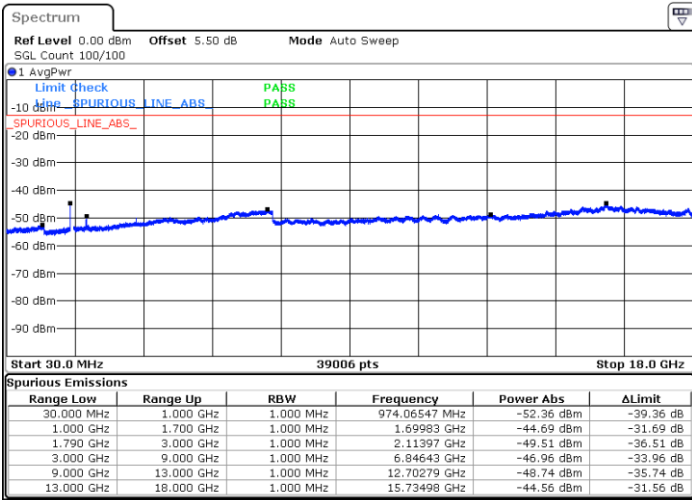
Date: 1.JUL.2020 02:26:36



FR1 n66 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

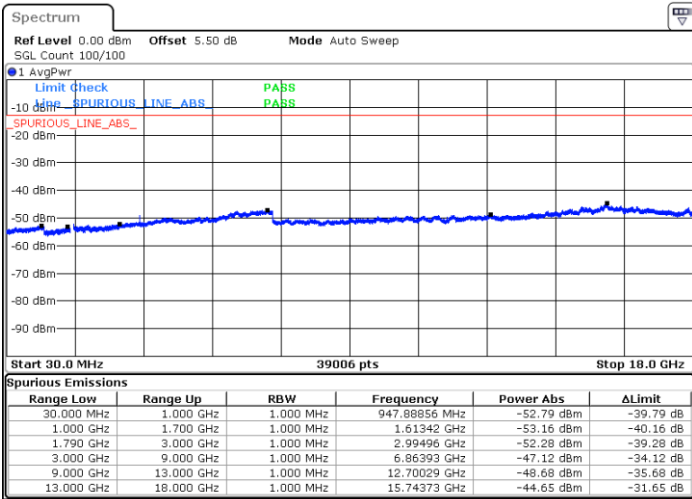
Middle Channel / 1RB0



Date: 1.JUL.2020 02:16:56

Date: 1.JUL.2020 02:21:02

Highest Channel / 1RB0



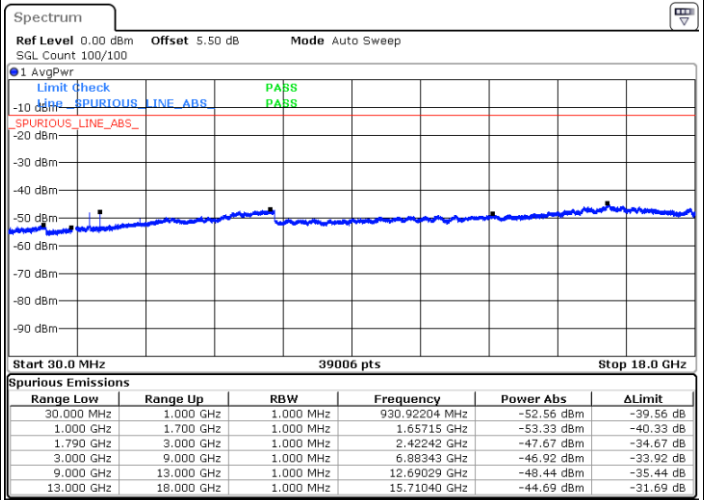
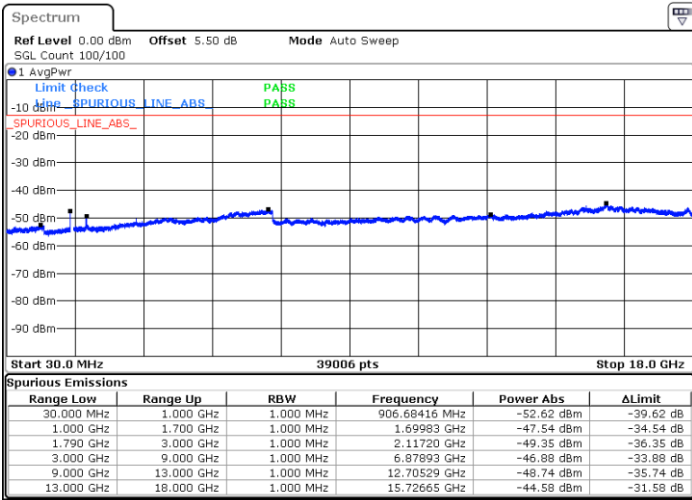
Date: 1.JUL.2020 02:27:15



FR1 n66 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

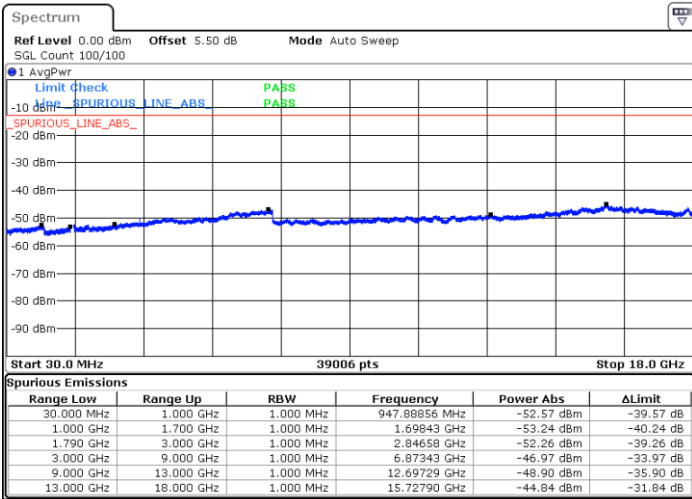
Middle Channel / 1RB0



Date: 1.JUL.2020 02:17:49

Date: 1.JUL.2020 02:21:59

Highest Channel / 1RB0



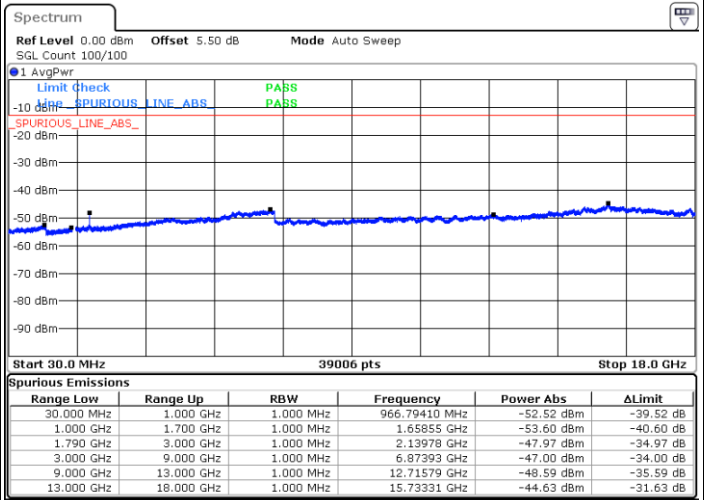
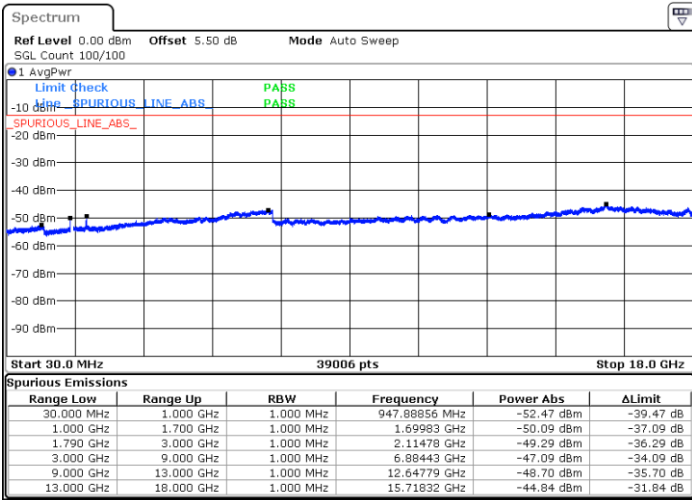
Date: 1.JUL.2020 02:27:54



FR1 n66 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

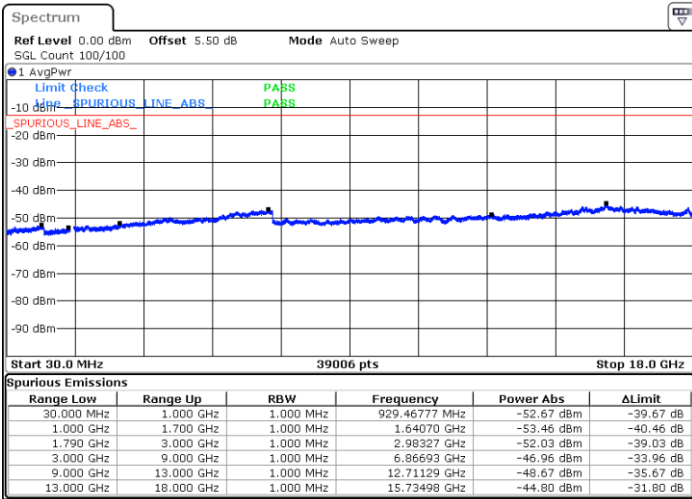
Middle Channel / 1RB0



Date: 1.JUL.2020 02:18:35

Date: 1.JUL.2020 02:22:40

Highest Channel / 1RB0



Date: 1.JUL.2020 02:28:34



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



5G NR n71

Peak-to-Average Ratio

Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Lowest CH	4.67	5.42	6.55	6.99	PASS
Middle CH	4.35	5.33	6.55	6.84	
Highest CH	4.67	5.51	6.46	6.90	
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Lowest CH	7.57				PASS
Middle CH	7.48				
Highest CH	7.54				
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	1 RB0	1 RB0	1 RB0	1 RB0	Result
Lowest CH	5.13	4.99	6.14	6.72	PASS
Middle CH	5.07	4.84	5.83	6.43	
Highest CH	5.19	4.93	5.97	6.64	
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	1 RB0				Result
Lowest CH	7.36				PASS
Middle CH	7.42				
Highest CH	7.59				



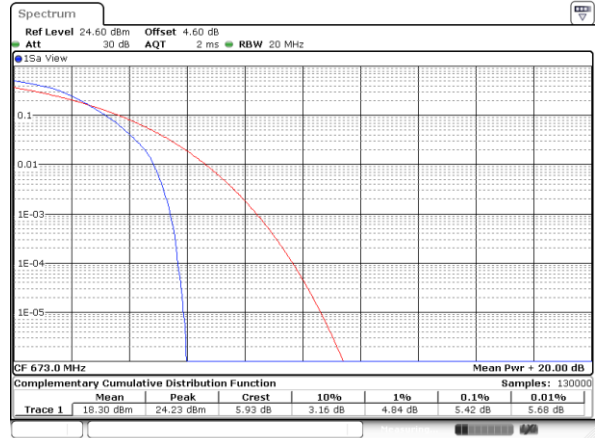
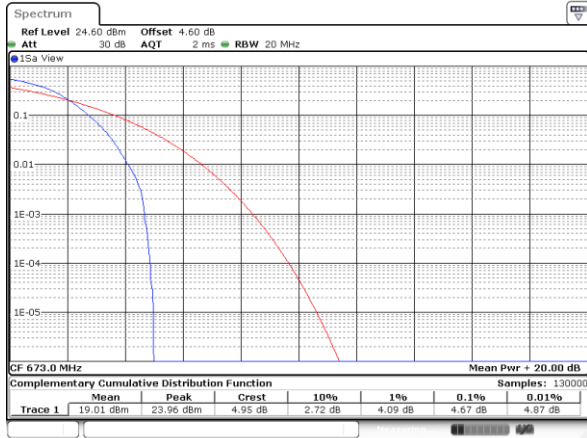
FR1 n71 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / Full RB

Lowest Channel / Full RB

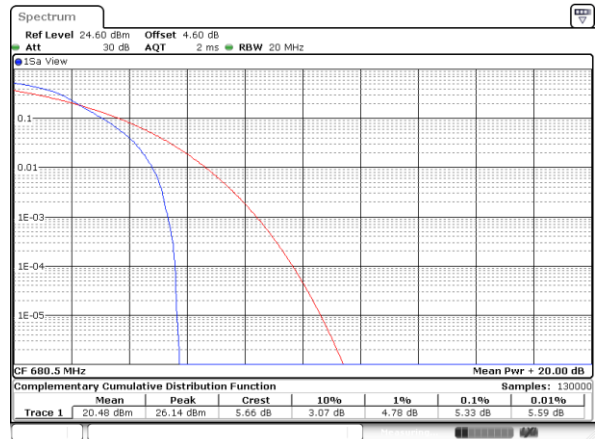
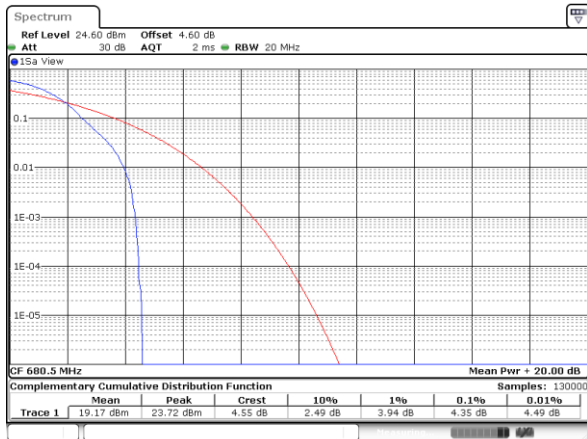


Date: 2..JUL.2020 00:13:25

Date: 2..JUL.2020 00:13:00

Middle Channel / Full RB

Middle Channel / Full RB

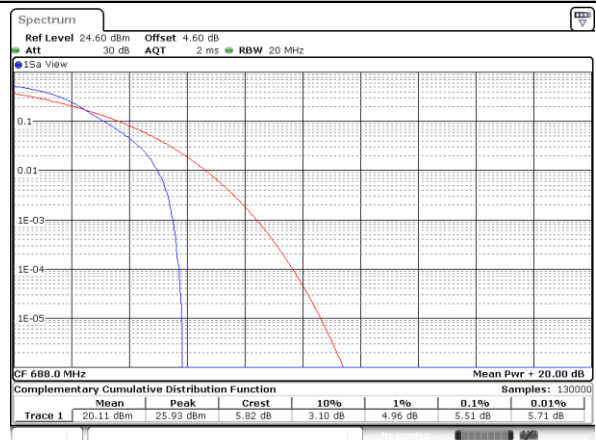
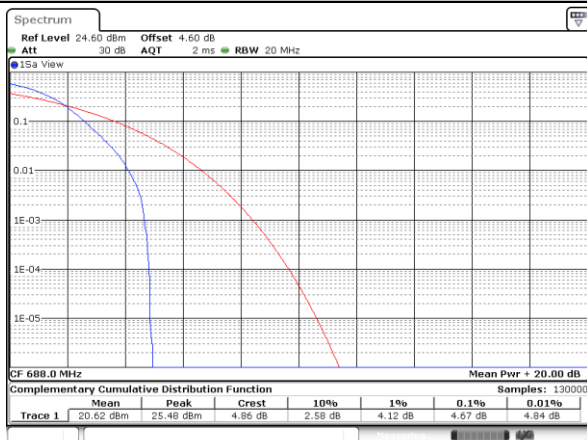


Date: 2..JUL.2020 01:19:34

Date: 2..JUL.2020 01:17:59

Highest Channel / Full RB

Highest Channel / Full RB



Date: 2..JUL.2020 01:31:24

Date: 2..JUL.2020 01:33:15



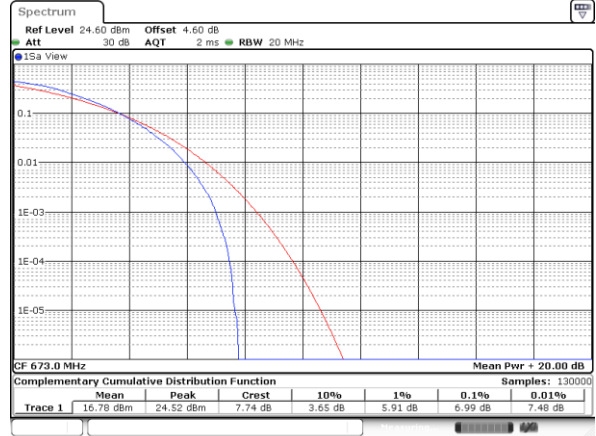
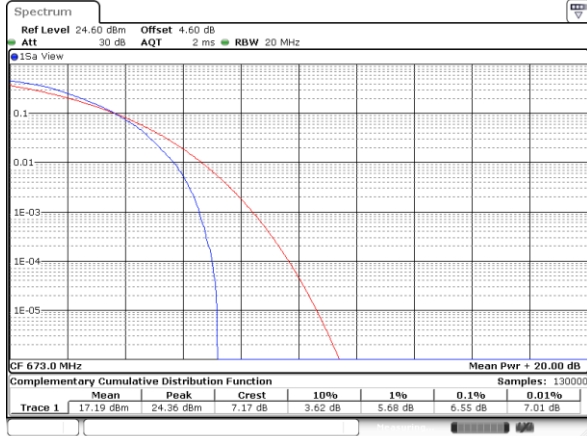
FR1 n71 / 20MHz / DFT-S OFDM

16QAM

64QAM

Lowest Channel / Full RB

Lowest Channel / Full RB

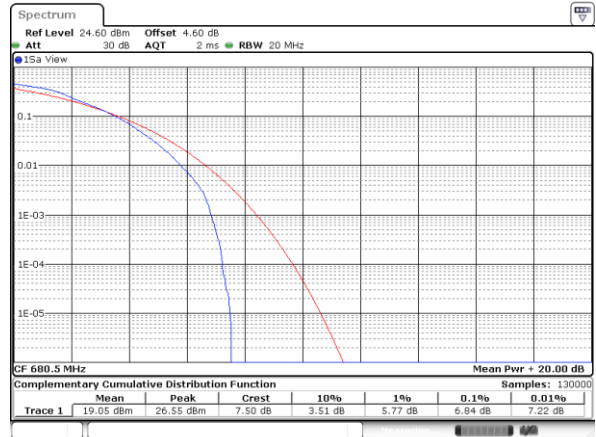
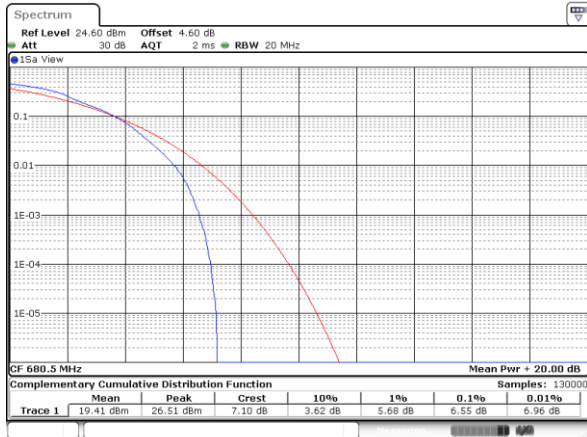


Date: 2..JUL.2020 00:37:43

Date: 2..JUL.2020 00:43:03

Middle Channel / Full RB

Middle Channel / Full RB

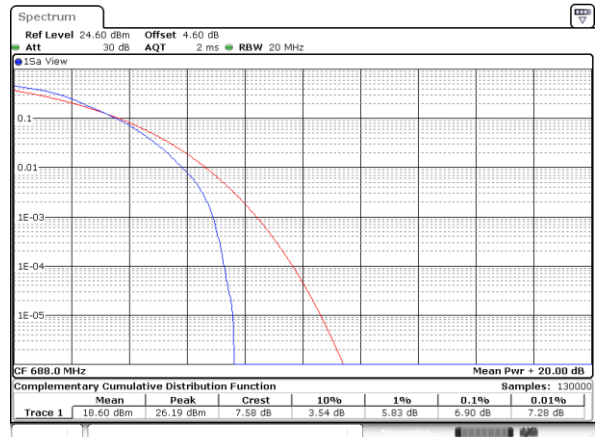
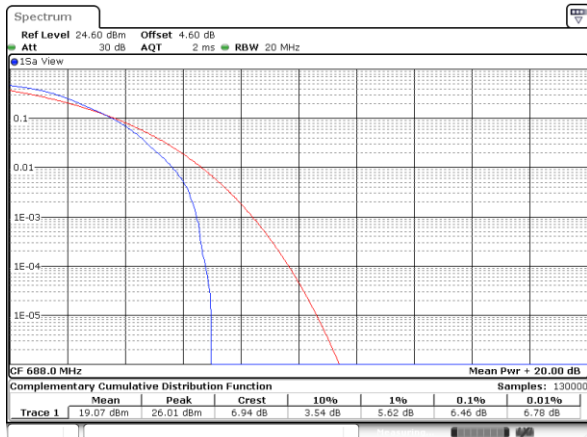


Date: 2..JUL.2020 01:16:32

Date: 2..JUL.2020 01:14:05

Highest Channel / Full RB

Highest Channel / Full RB



Date: 2..JUL.2020 01:35:26

Date: 2..JUL.2020 01:37:07