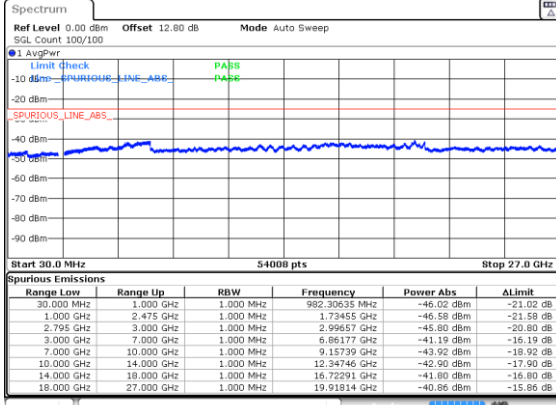


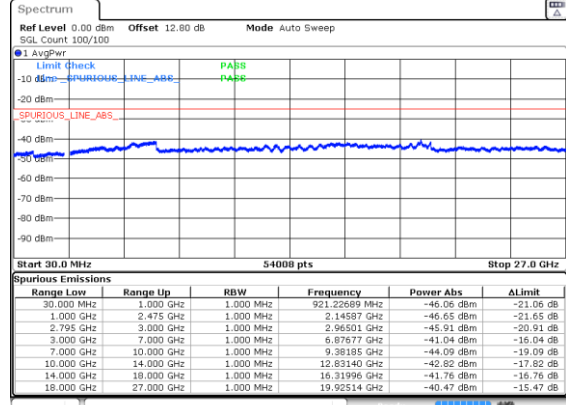


80MHz

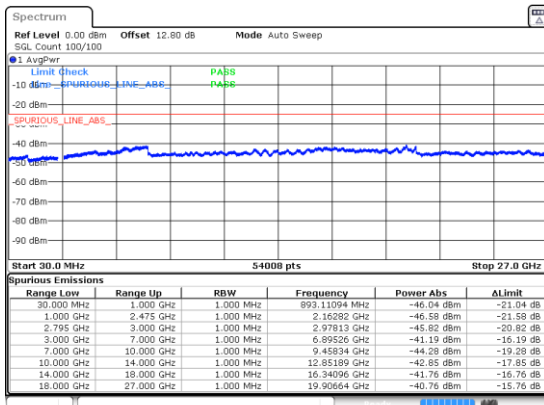
Lowest Channel / 16QAM



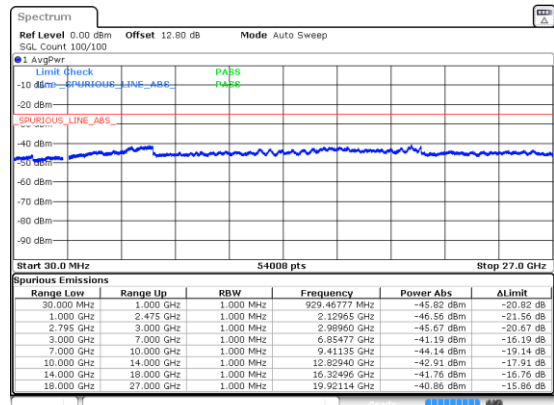
Lowest Channel / 64QAM



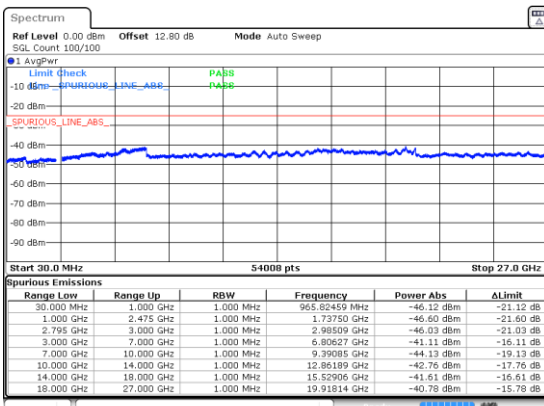
Middle Channel / 16QAM



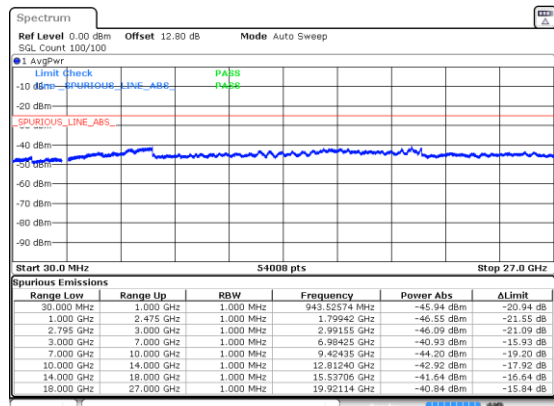
Middle Channel / 64QAM

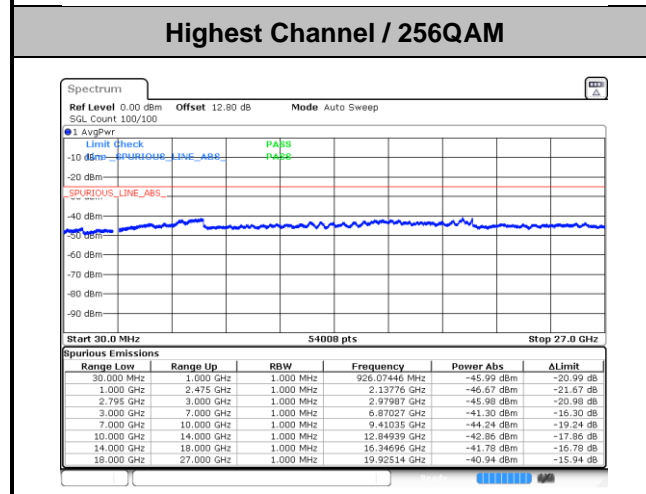
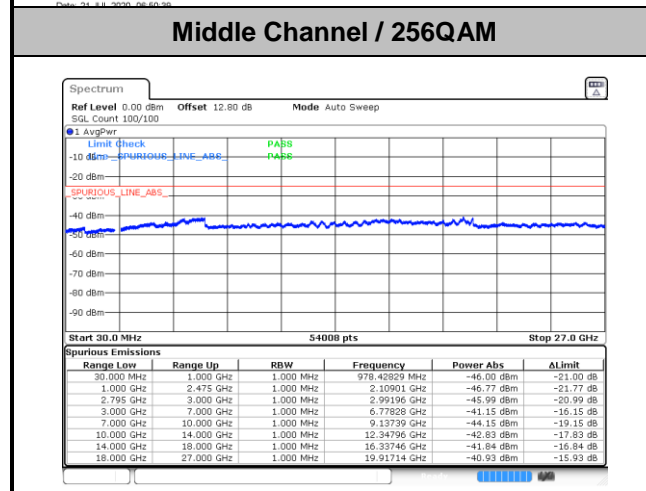
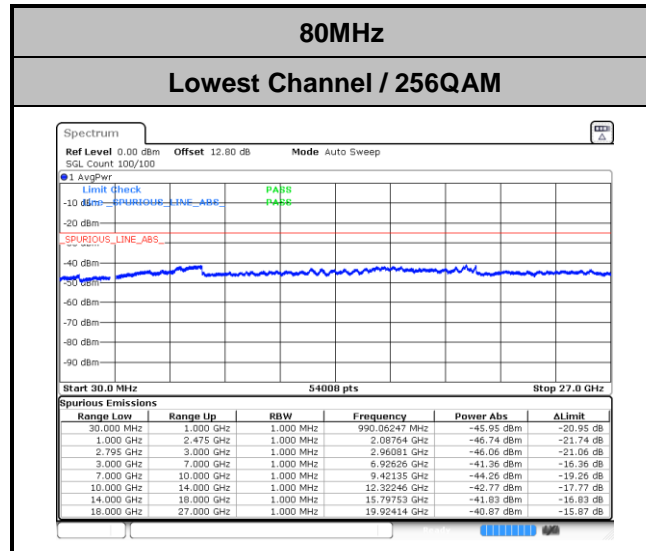


Highest Channel / 16QAM



Highest Channel / 64QAM

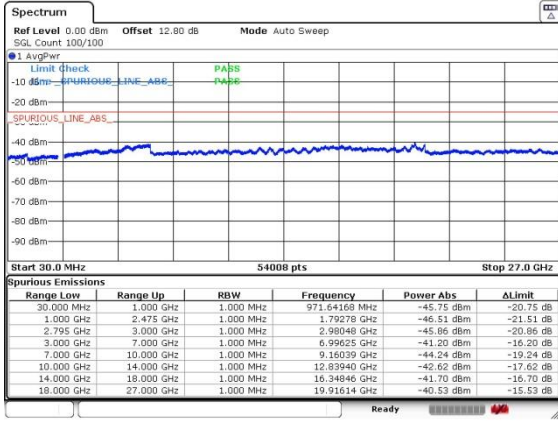




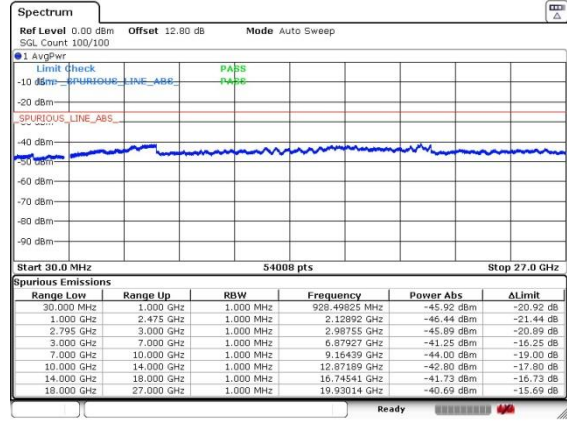


90MHz

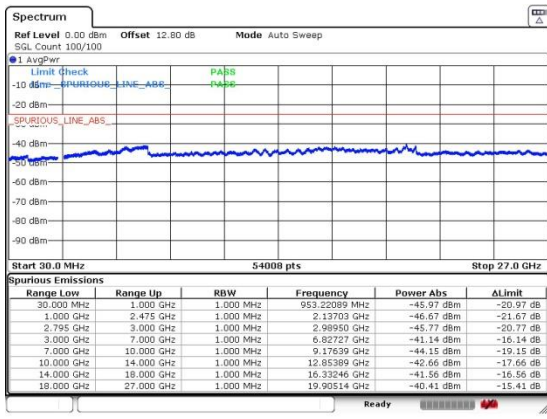
Lowest Channel / BPSK



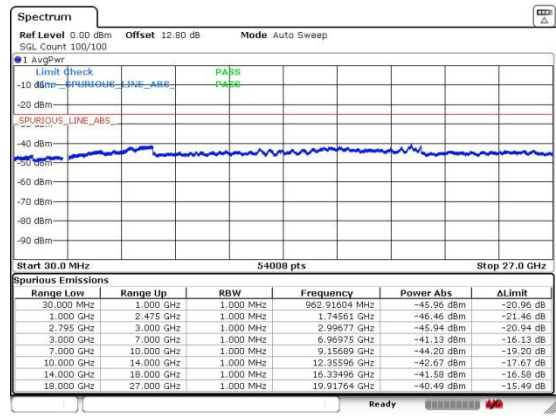
Lowest Channel / QPSK



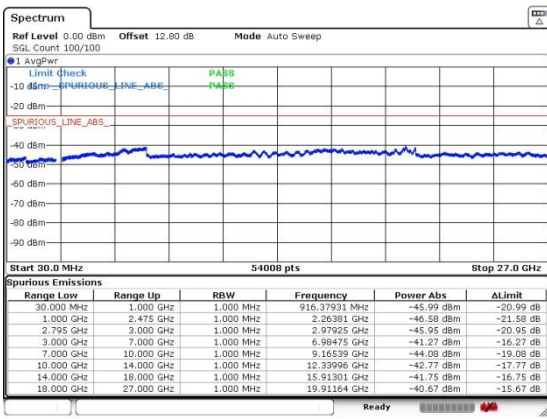
Middle Channel / BPSK



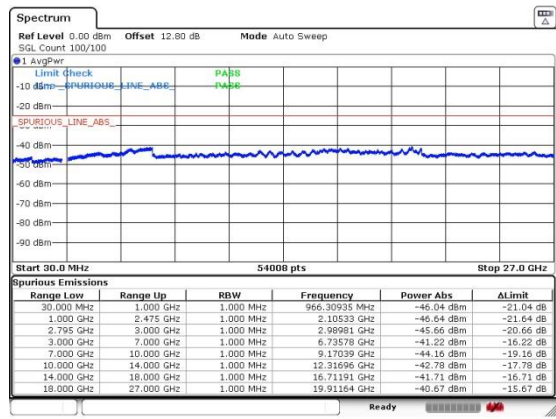
Middle Channel / QPSK



Highest Channel / BPSK



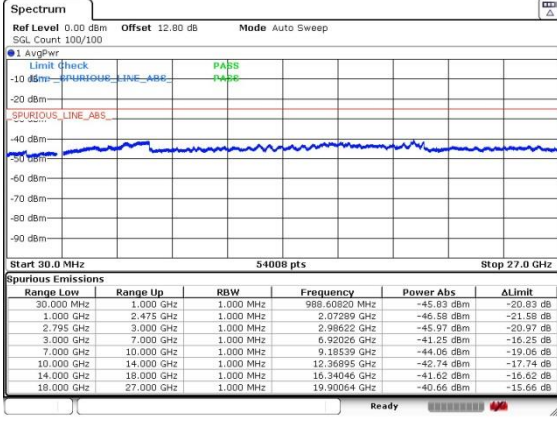
Highest Channel / QPSK



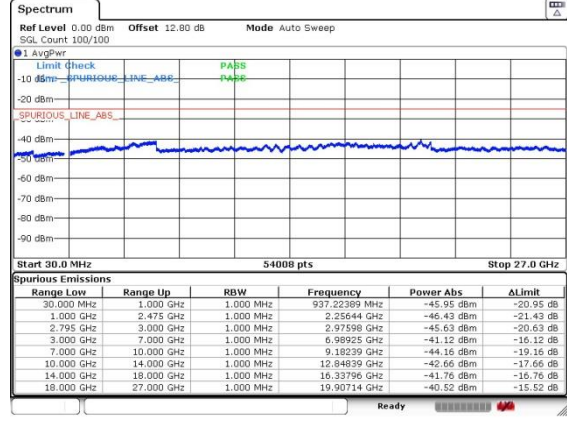


90MHz

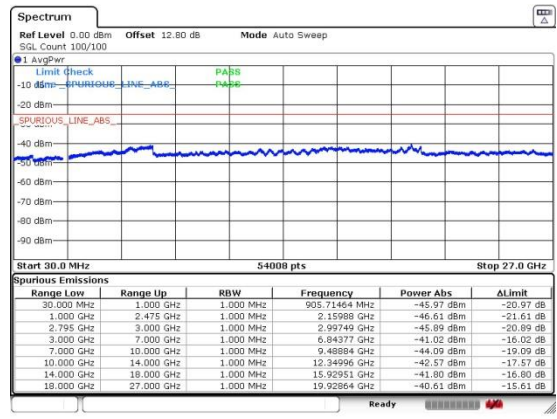
Lowest Channel / 16QAM



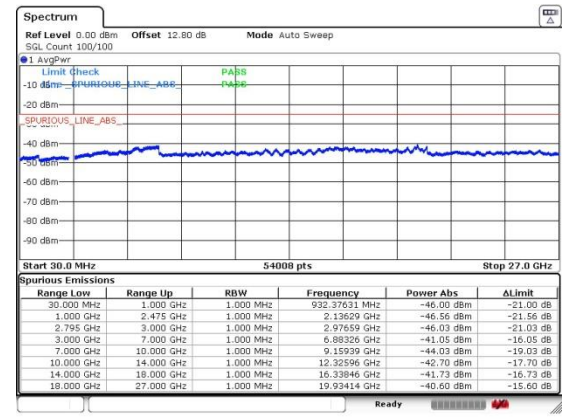
Lowest Channel / 64QAM



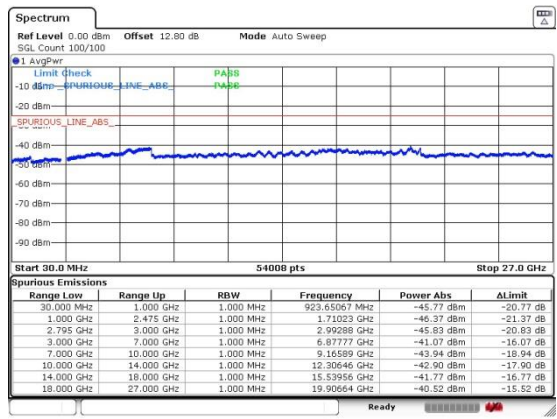
Middle Channel / 16QAM



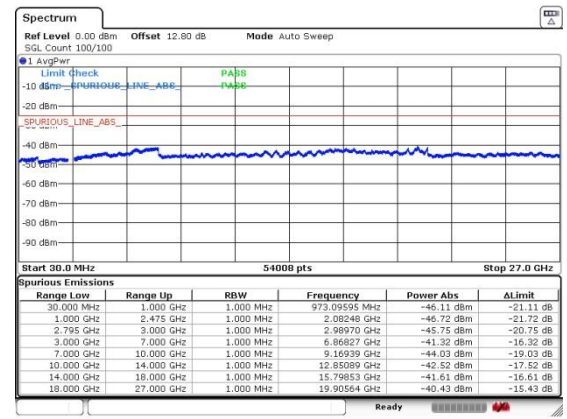
Middle Channel / 64QAM

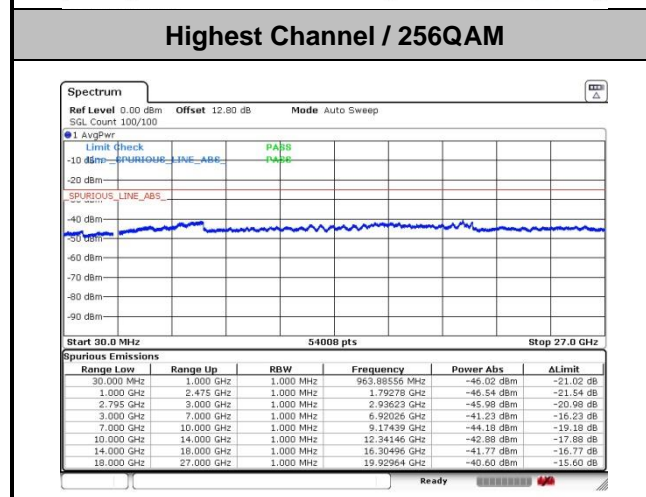
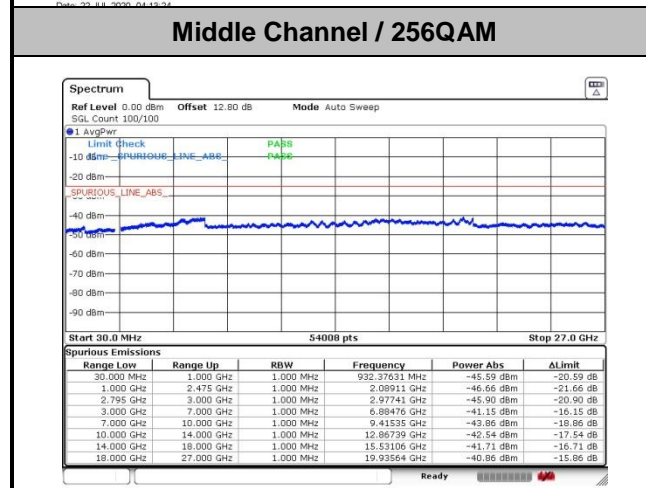
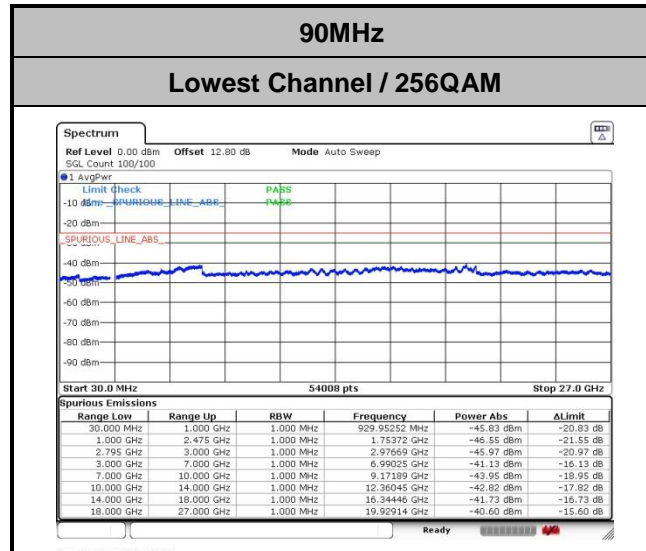


Highest Channel / 16QAM



Highest Channel / 64QAM

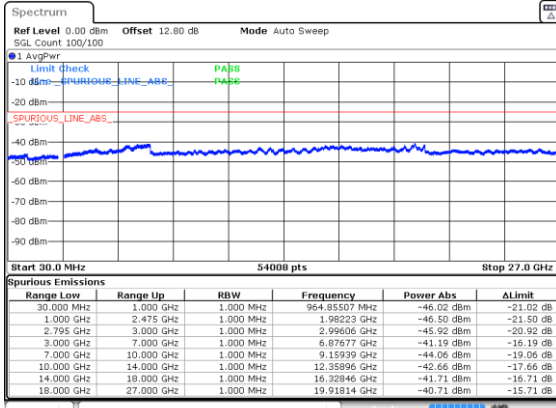




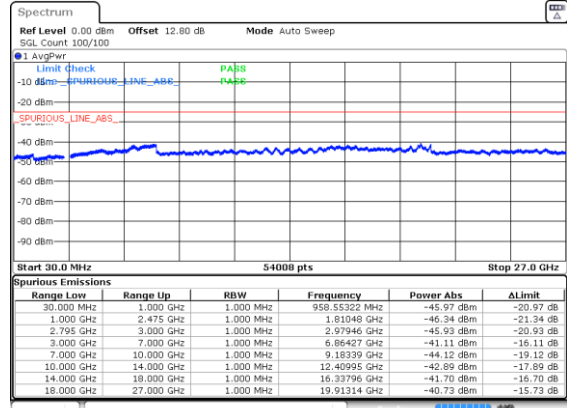


100MHz

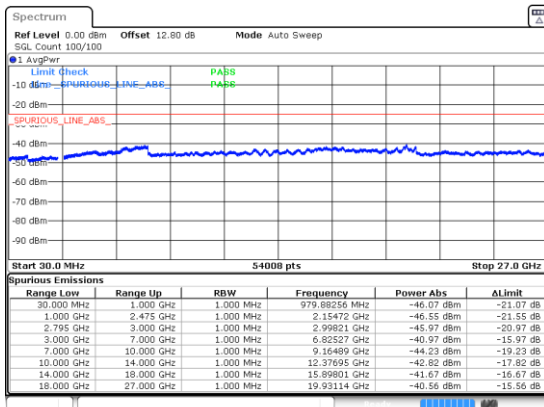
Lowest Channel / BPSK



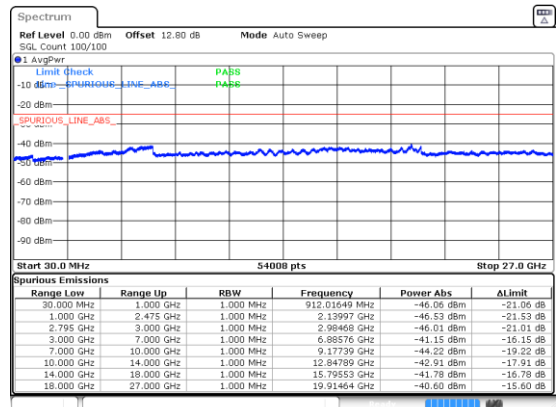
Lowest Channel / QPSK



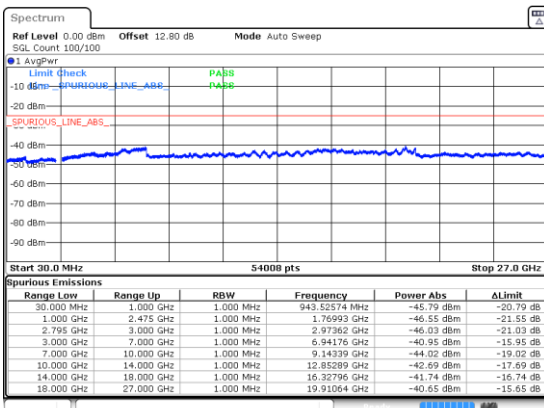
Middle Channel / BPSK



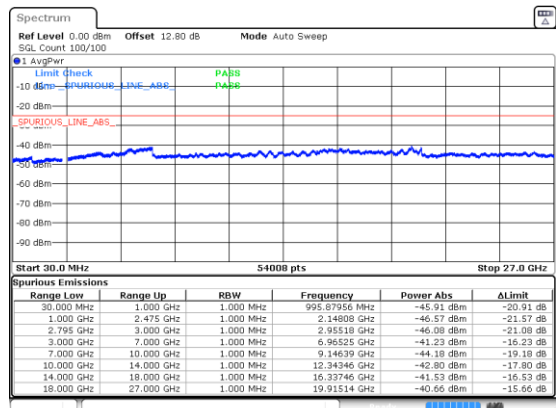
Middle Channel / QPSK



Highest Channel / BPSK



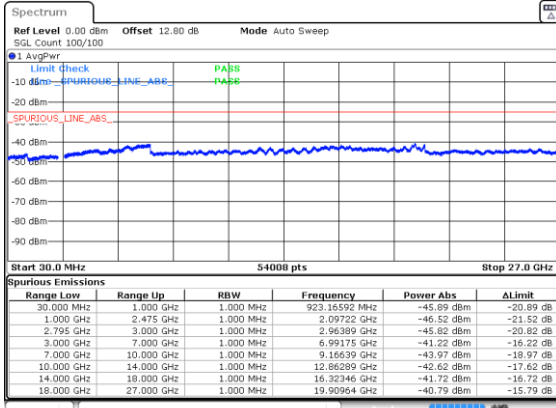
Highest Channel / QPSK



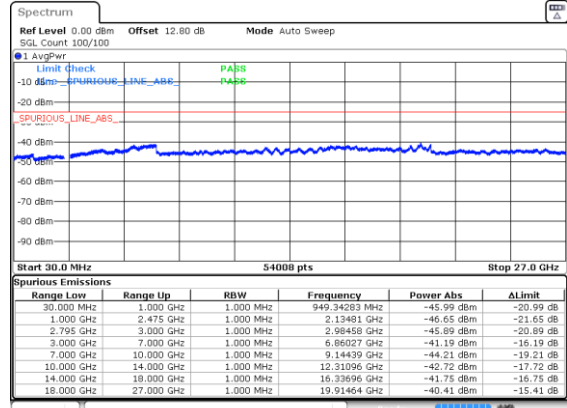


100MHz

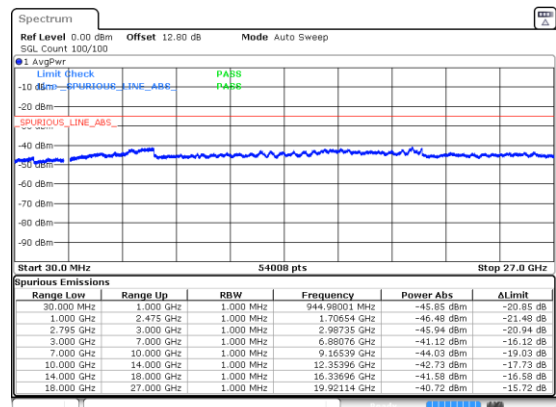
Lowest Channel / 16QAM



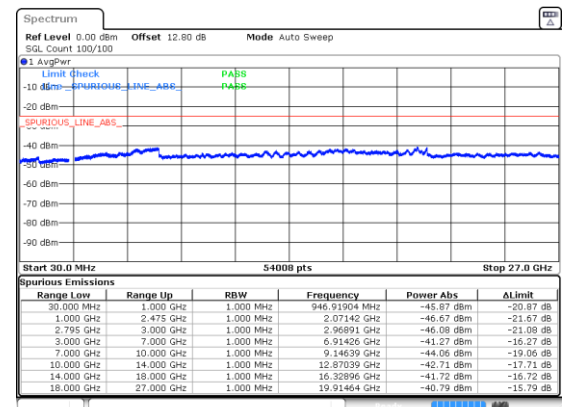
Lowest Channel / 64QAM



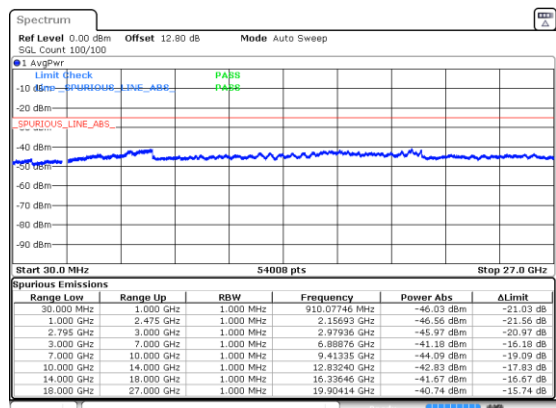
Middle Channel / 16QAM



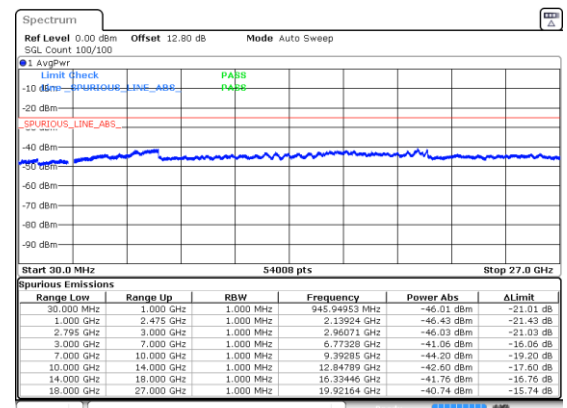
Middle Channel / 64QAM

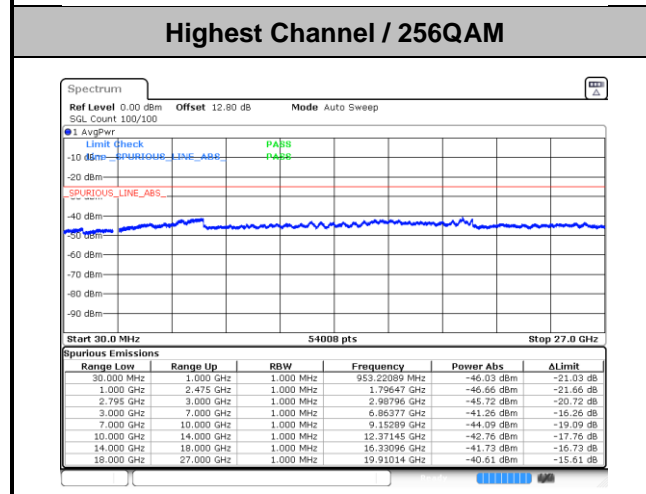
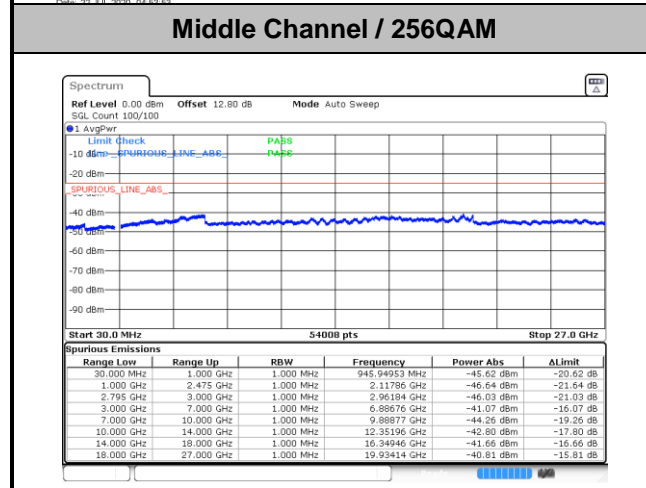
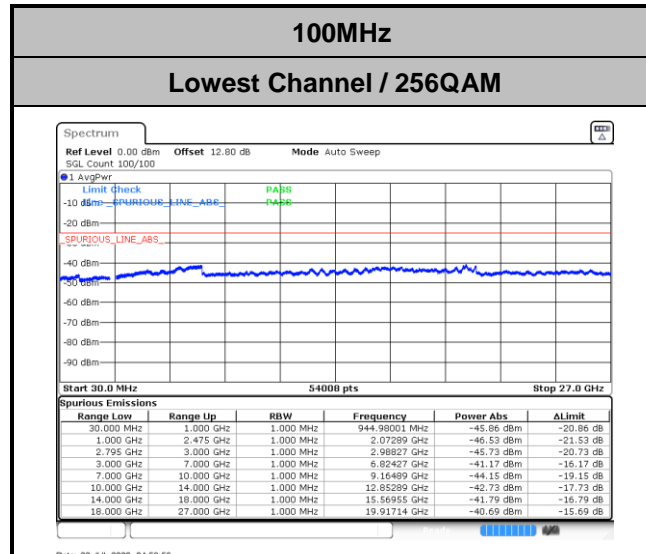


Highest Channel / 16QAM



Highest Channel / 64QAM







Frequency Stability

Test Conditions		n41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0016	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0016	
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 n66

Peak-to-Average Ratio

Mode	FR1 n66 / 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	5.65	7.62	8.17	8.43	PASS
Middle CH	5.71	7.59	8.26	8.41	
Highest CH	5.68	7.59	8.17	8.43	
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Lowest CH	8.20				PASS
Middle CH	8.23				
Highest CH	8.26				
Mode	FR1 n66 / 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	4.87	4.72	5.62	6.43	PASS
Middle CH	4.93	4.67	5.57	6.32	
Highest CH	5.22	4.78	5.80	6.52	
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	1 RB0				Result
Lowest CH	7.39				PASS
Middle CH	7.54				
Highest CH	7.54				



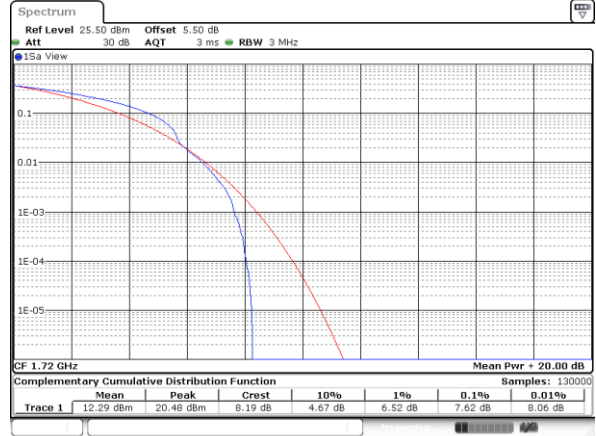
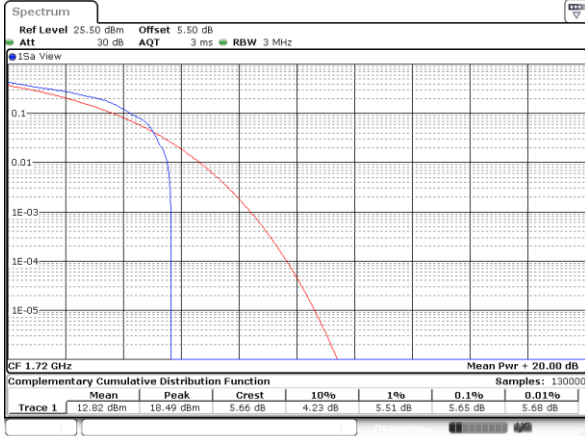
FR1 n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / Full RB

Lowest Channel / Full RB

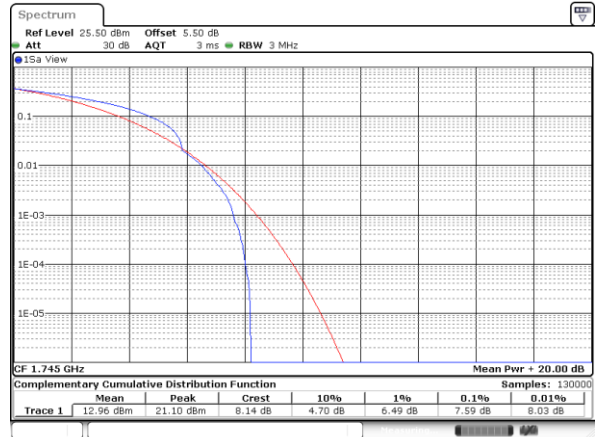
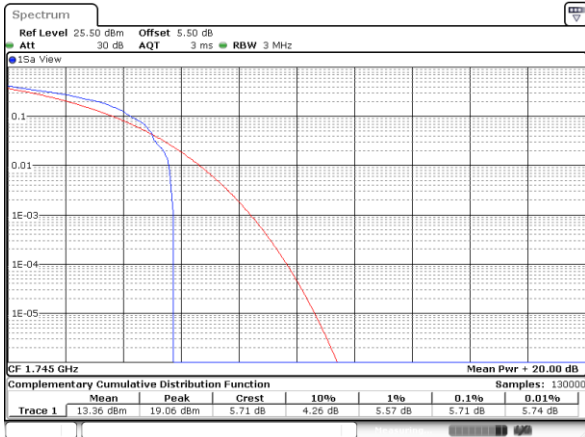


Date: 1 JUL 2020 00:56:23

Date: 1 JUL 2020 01:16:09

Middle Channel / Full RB

Middle Channel / Full RB

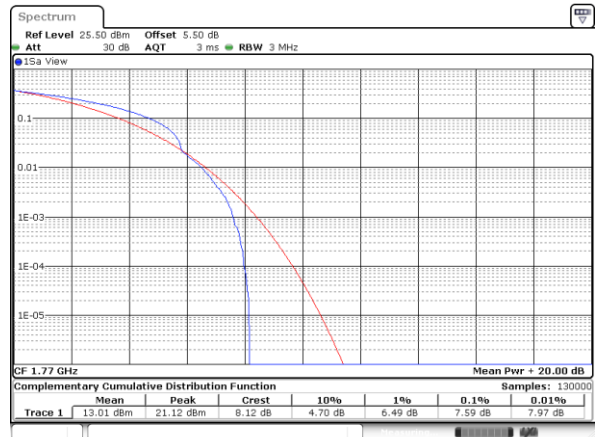
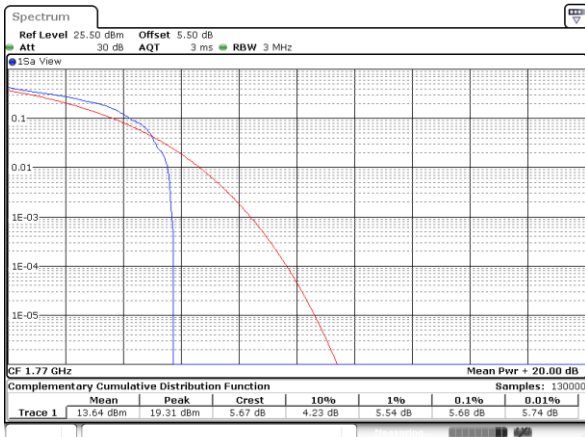


Date: 1 JUL 2020 01:17:10

Date: 1 JUL 2020 01:55:59

Highest Channel / Full RB

Highest Channel / Full RB



Date: 1 JUL 2020 01:57:05

Date: 1 JUL 2020 01:57:16



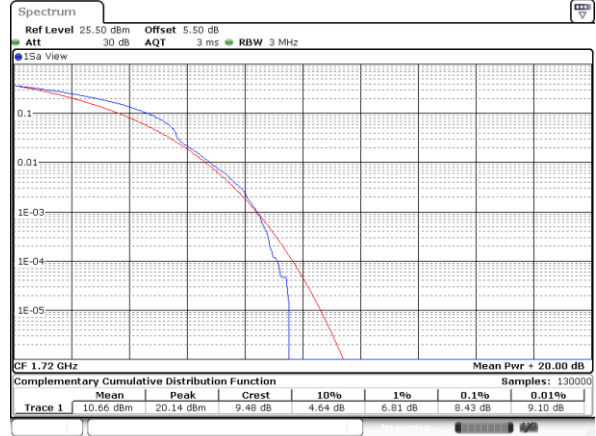
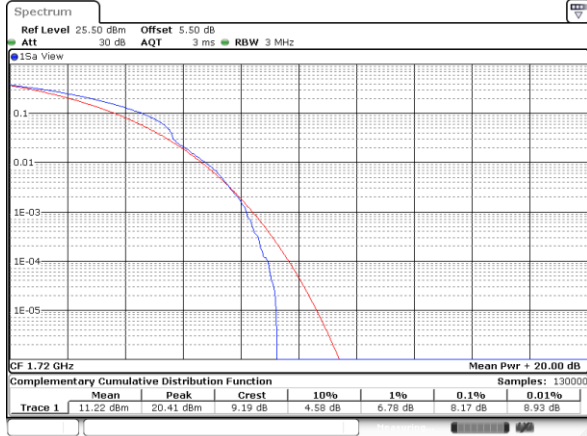
FR1 n66 / 20MHz / DFT-S OFDM

16QAM

64QAM

Lowest Channel / Full RB

Lowest Channel / Full RB

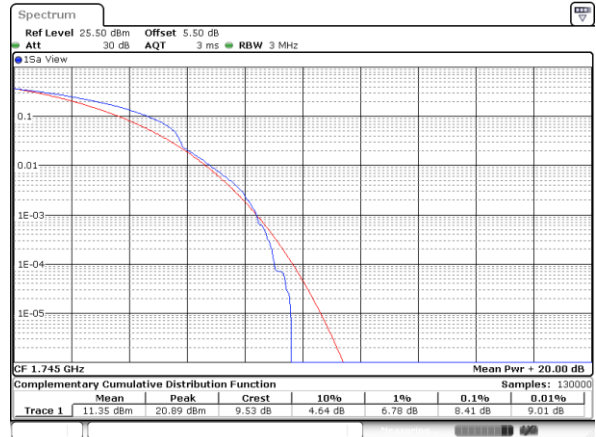
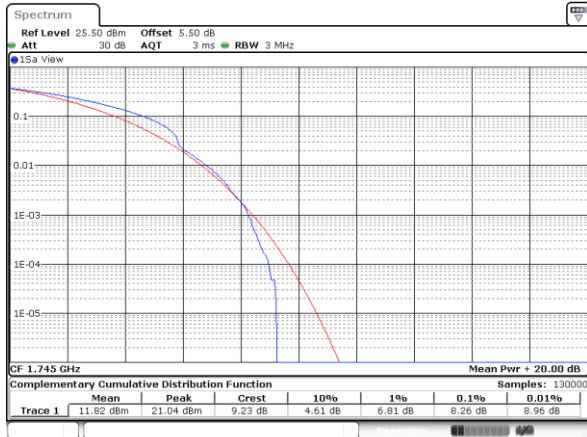


Date: 1 JUL 2020 01:16:21

Date: 1 JUL 2020 01:16:31

Middle Channel / Full RB

Middle Channel / Full RB

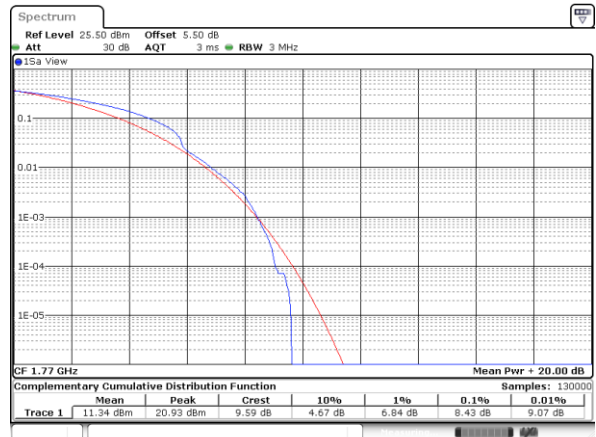
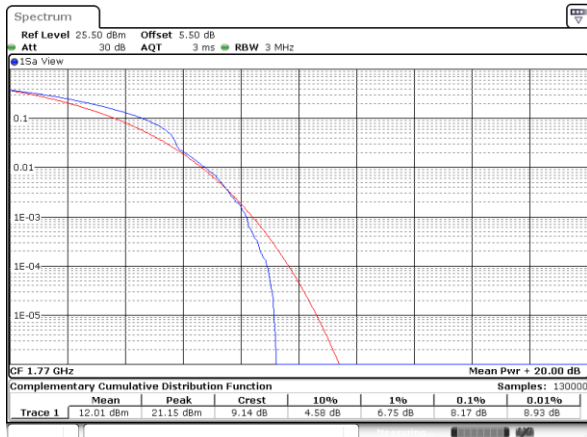


Date: 1 JUL 2020 01:56:07

Date: 1 JUL 2020 01:56:17

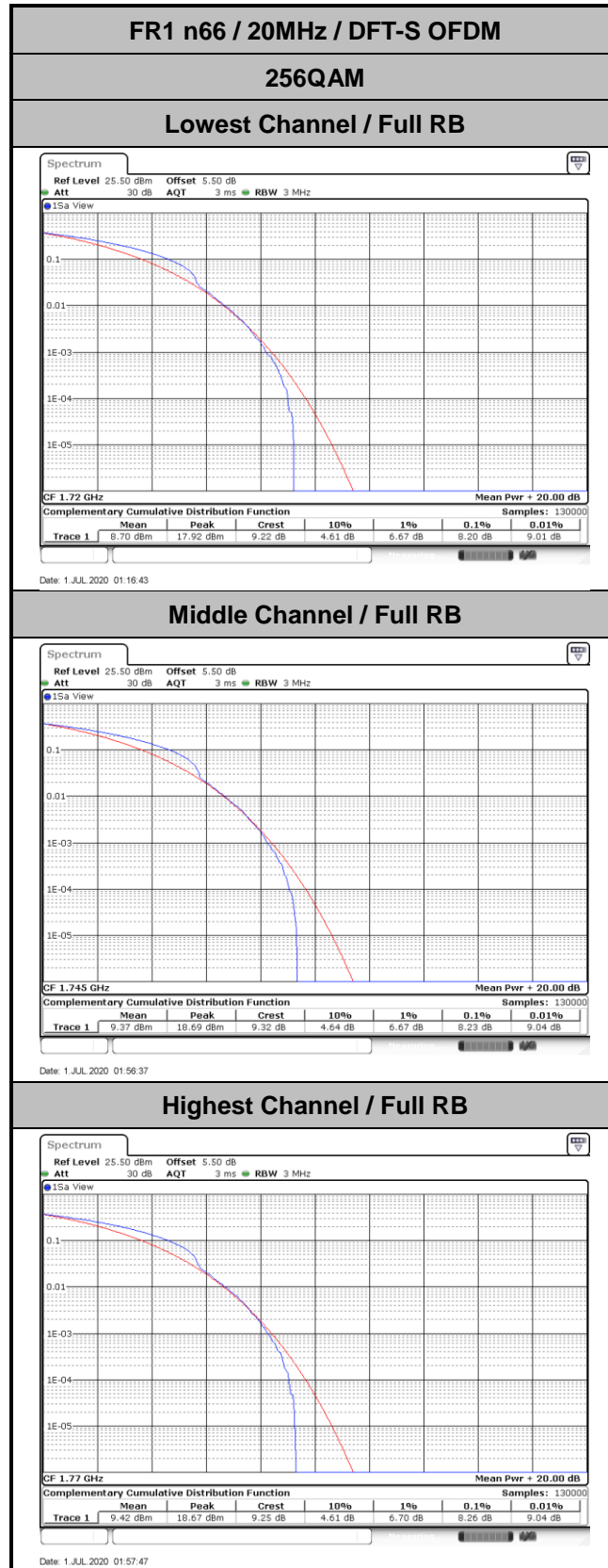
Highest Channel / Full RB

Highest Channel / Full RB



Date: 1 JUL 2020 01:57:25

Date: 1 JUL 2020 01:57:33





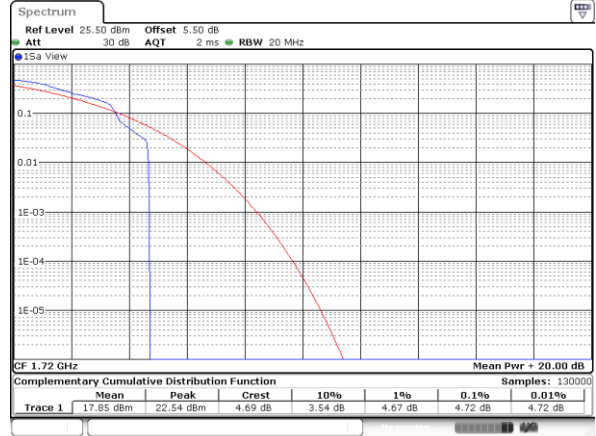
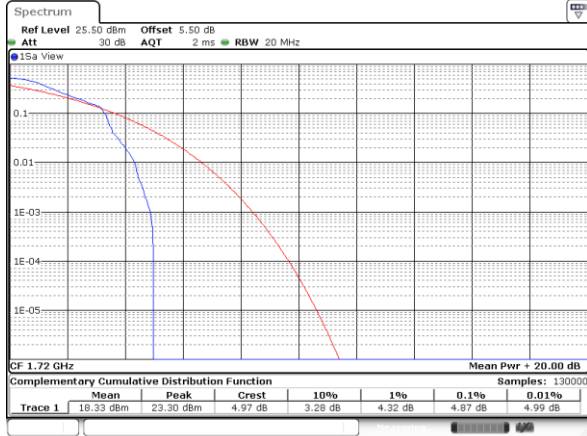
FR1 n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RB0

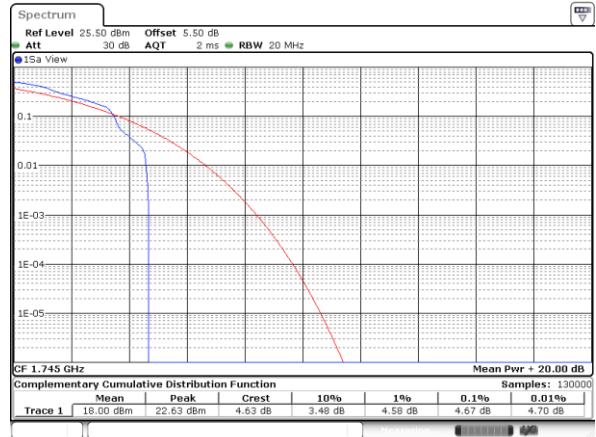
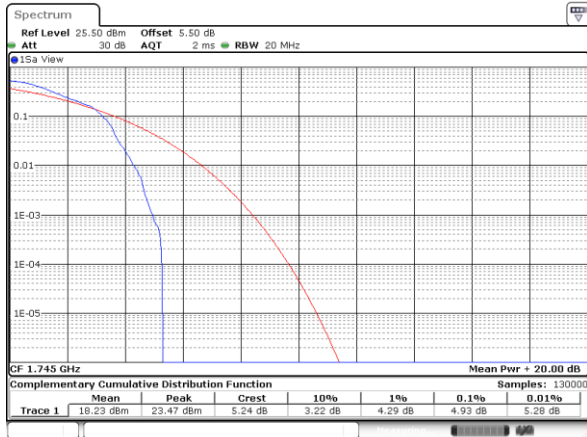


Date: 1..JUL.2020 02:31:03

Date: 1..JUL.2020 02:31:12

Middle Channel / 1RB0

Middle Channel / 1RB0

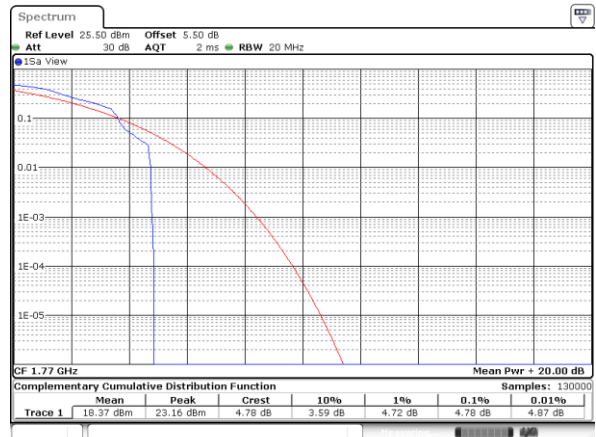
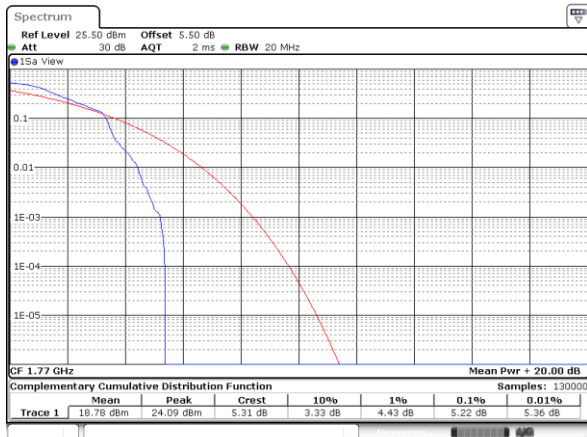


Date: 1..JUL.2020 02:29:50

Date: 1..JUL.2020 02:29:58

Highest Channel / 1RB0

Highest Channel / 1RB0



Date: 1..JUL.2020 02:29:29

Date: 1..JUL.2020 02:29:21



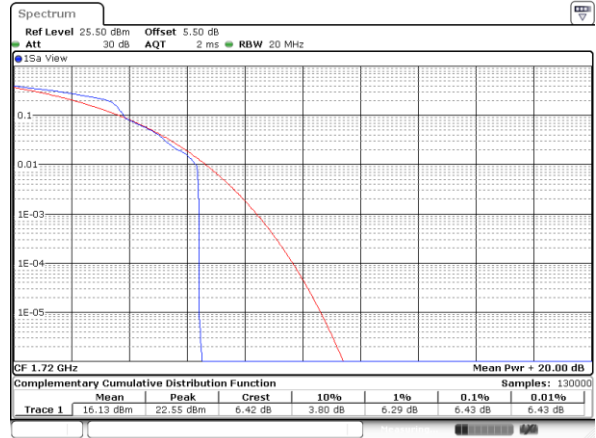
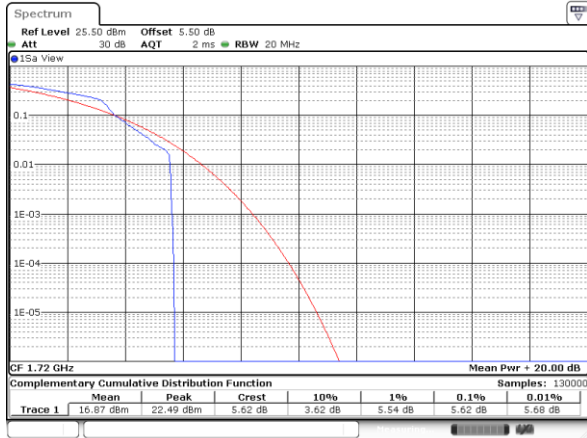
FR1 n66 / 20MHz / DFT-S OFDM

16QAM

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RB0

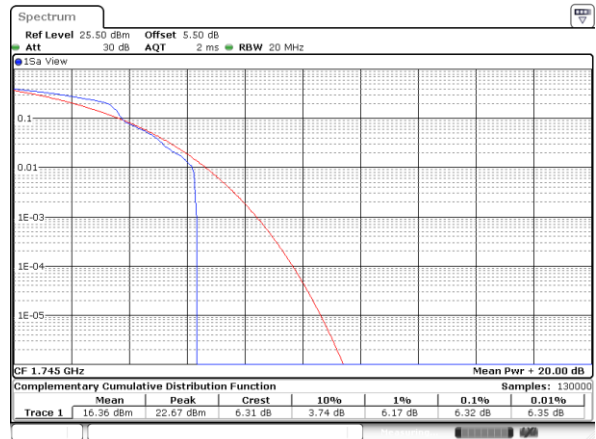
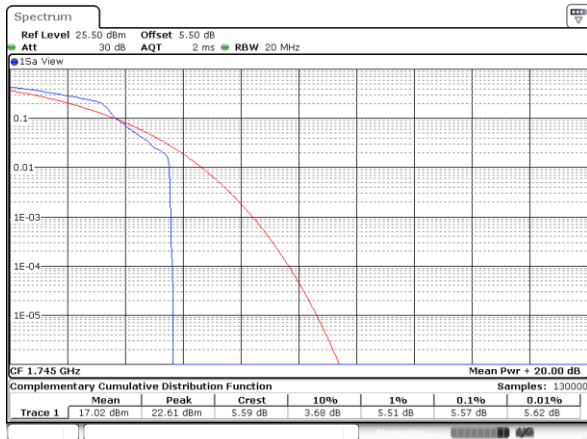


Date: 1..JUL.2020 02:31:21

Date: 1..JUL.2020 02:31:33

Middle Channel / 1RB0

Middle Channel / 1RB0

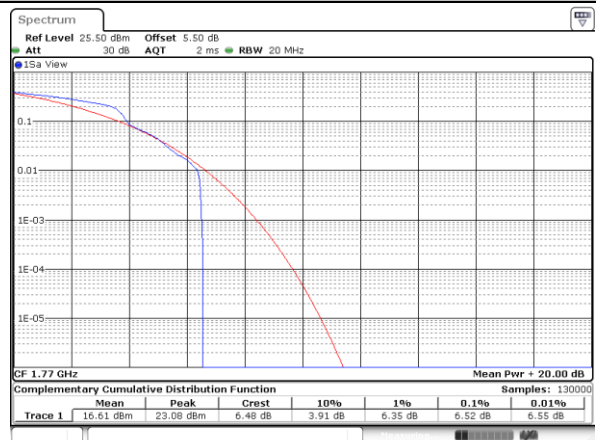
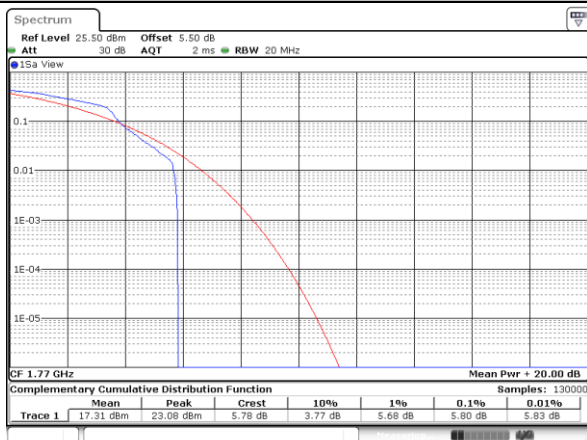


Date: 1..JUL.2020 02:30:07

Date: 1..JUL.2020 02:30:16

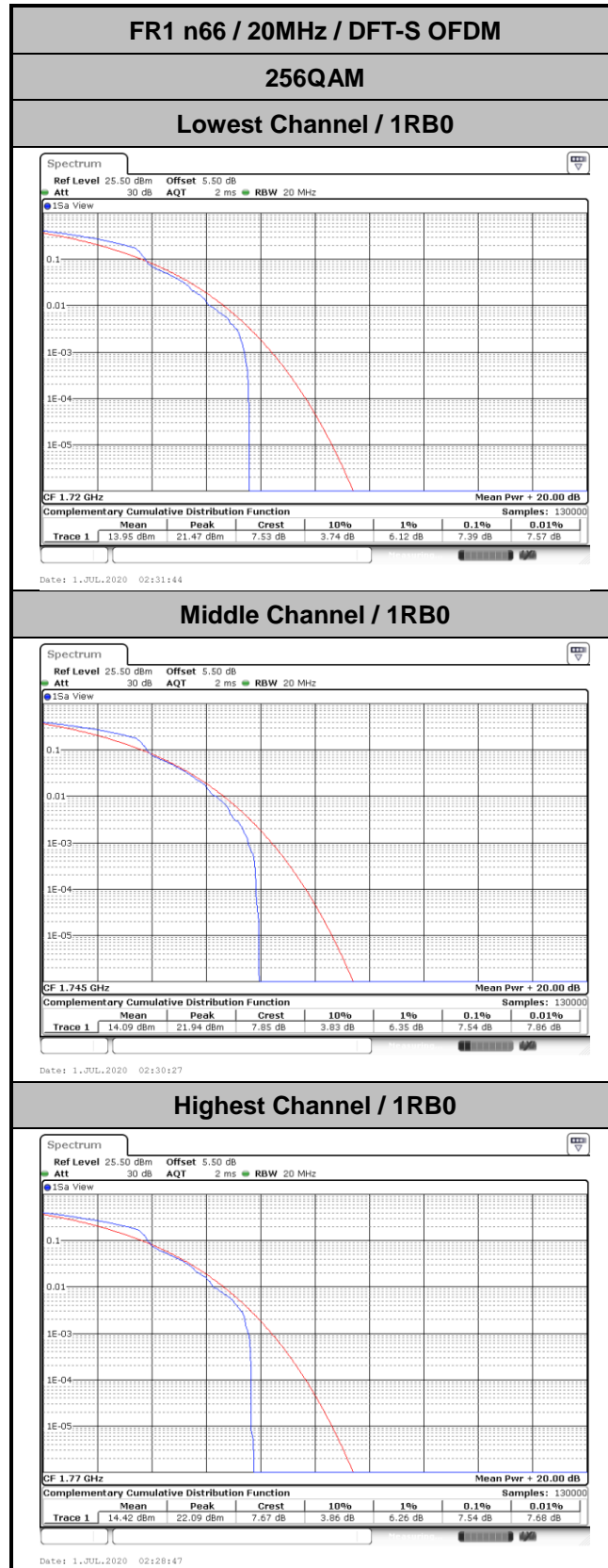
Highest Channel / 1RB0

Highest Channel / 1RB0



Date: 1..JUL.2020 02:29:10

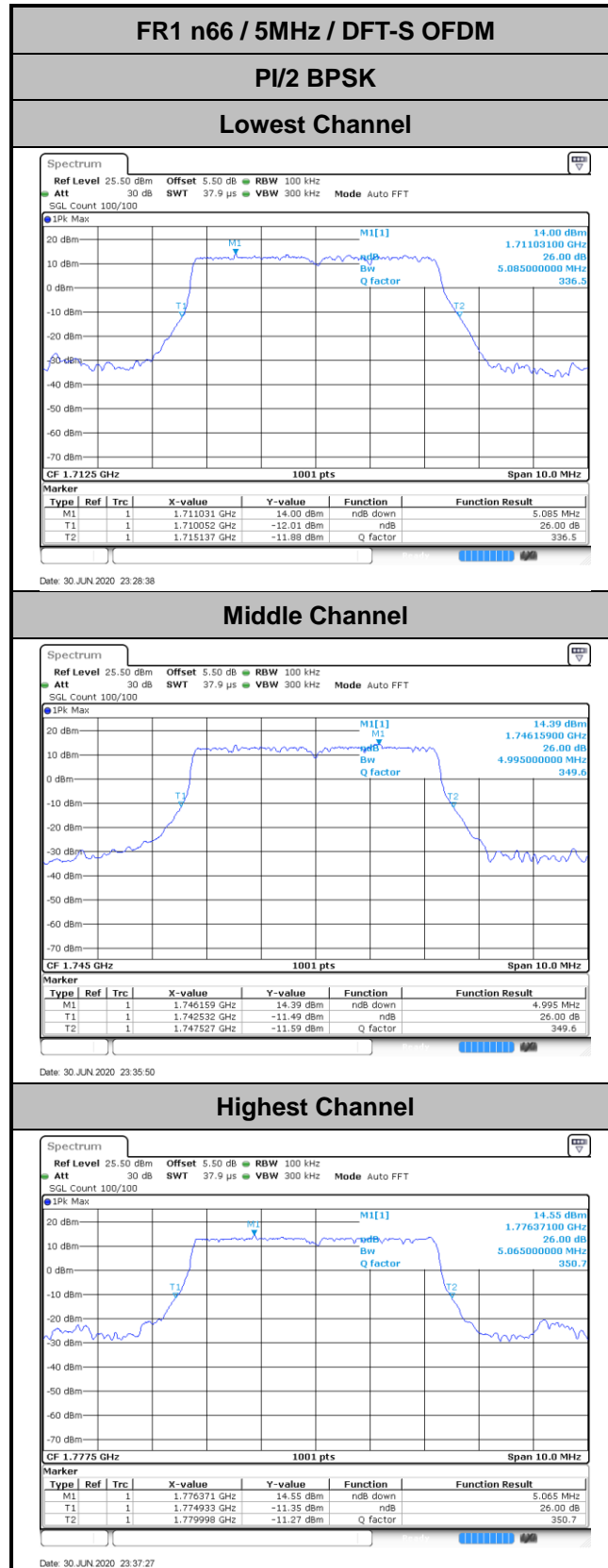
Date: 1..JUL.2020 02:28:59





26dB Bandwidth

Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Lowest CH	5.08		9.63		14.30		20.22	
Middle CH	5.00		9.97		14.36		20.22	
Highest CH	5.07		9.83		14.24		20.22	
Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.11	5.07	9.65	9.83	14.33	14.33	20.22	20.42
Middle CH	5.03	5.19	9.73	9.85	14.33	14.30	20.26	20.34
Highest CH	5.11	5.16	9.77	9.87	14.36	14.36	20.22	20.34
Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.96	5.00	9.85	9.85	14.36	14.39	20.18	20.26
Middle CH	5.07	5.08	9.85	9.77	14.24	14.36	20.18	20.26
Highest CH	5.26	5.14	9.89	9.83	14.30	14.39	20.22	20.26





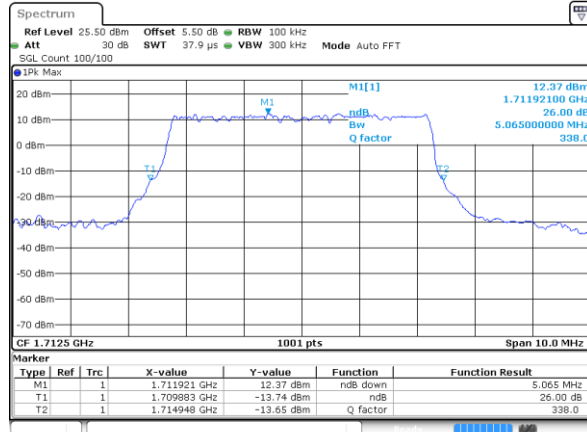
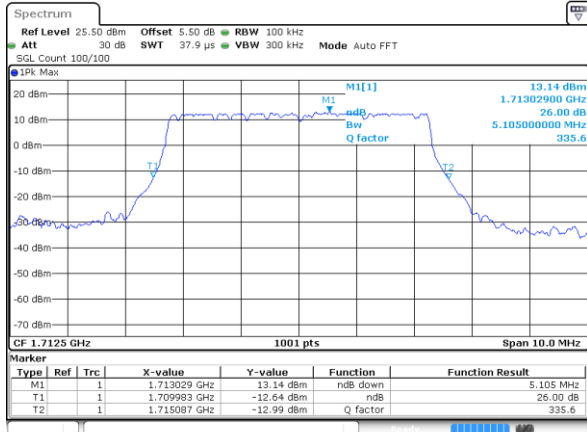
FR1 n66 / 5MHz / DFT-S OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

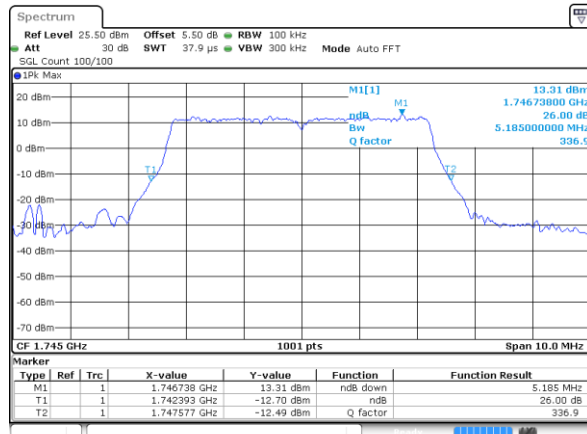
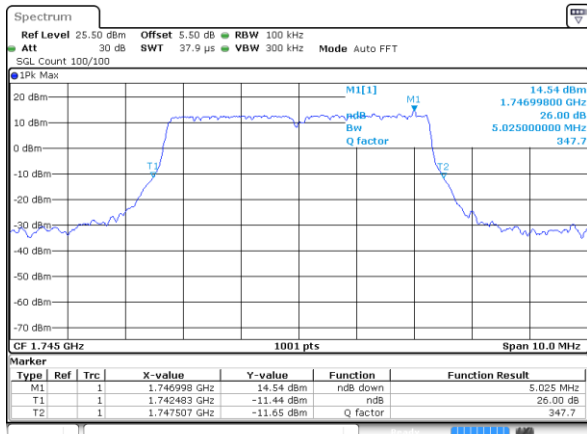


Date: 30 JUN 2020 23:32:04

Date: 30 JUN 2020 23:32:32

Middle Channel

Middle Channel

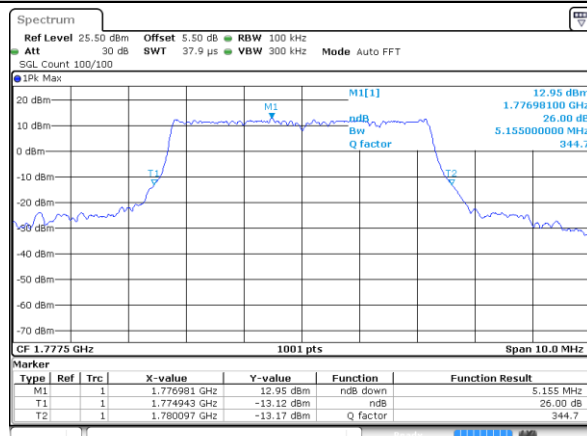
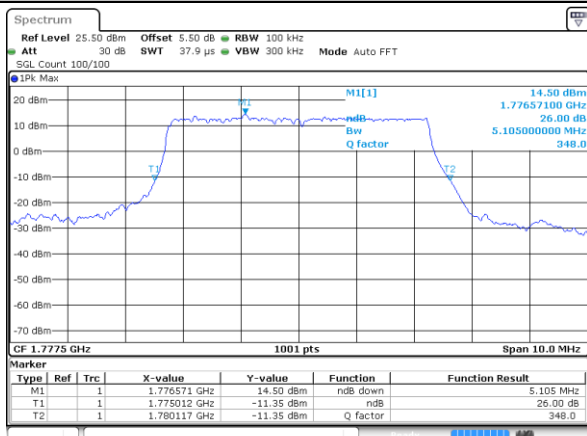


Date: 30 JUN 2020 23:36:06

Date: 30 JUN 2020 23:36:22

Highest Channel

Highest Channel



Date: 30 JUN 2020 23:39:46

Date: 30 JUN 2020 23:40:20



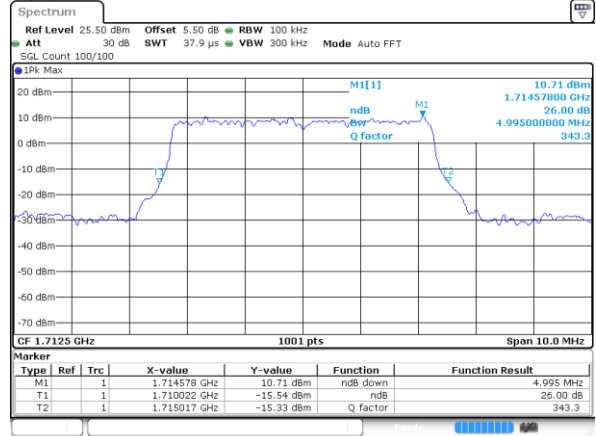
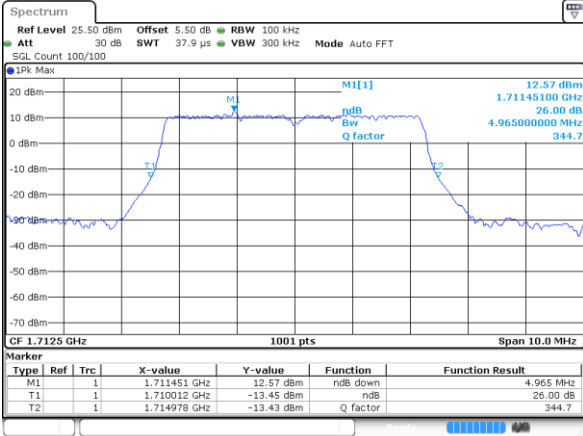
FR1 n66 / 5MHz / DFT-S OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

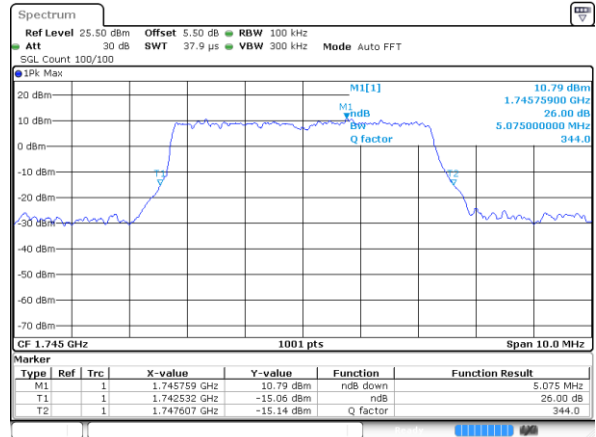
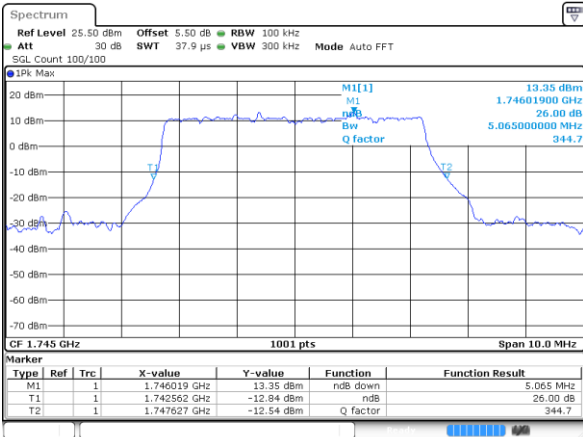


Date: 30 JUN 2020 23:34:05

Date: 30 JUN 2020 23:34:26

Middle Channel

Middle Channel

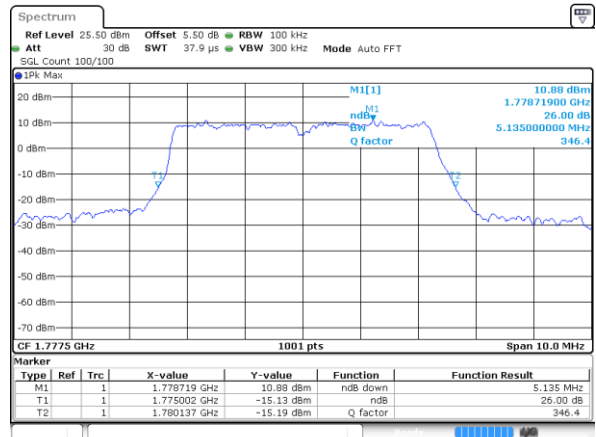
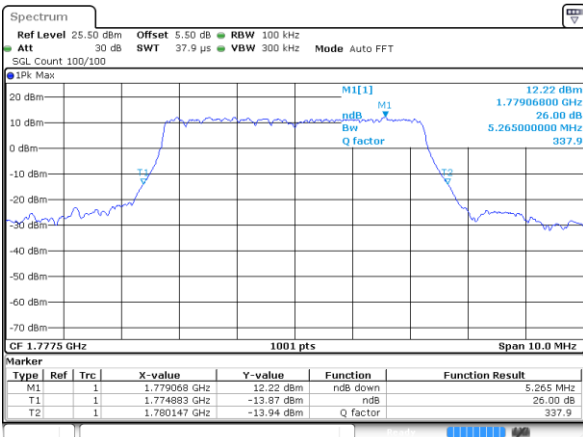


Date: 30 JUN 2020 23:36:37

Date: 30 JUN 2020 23:36:55

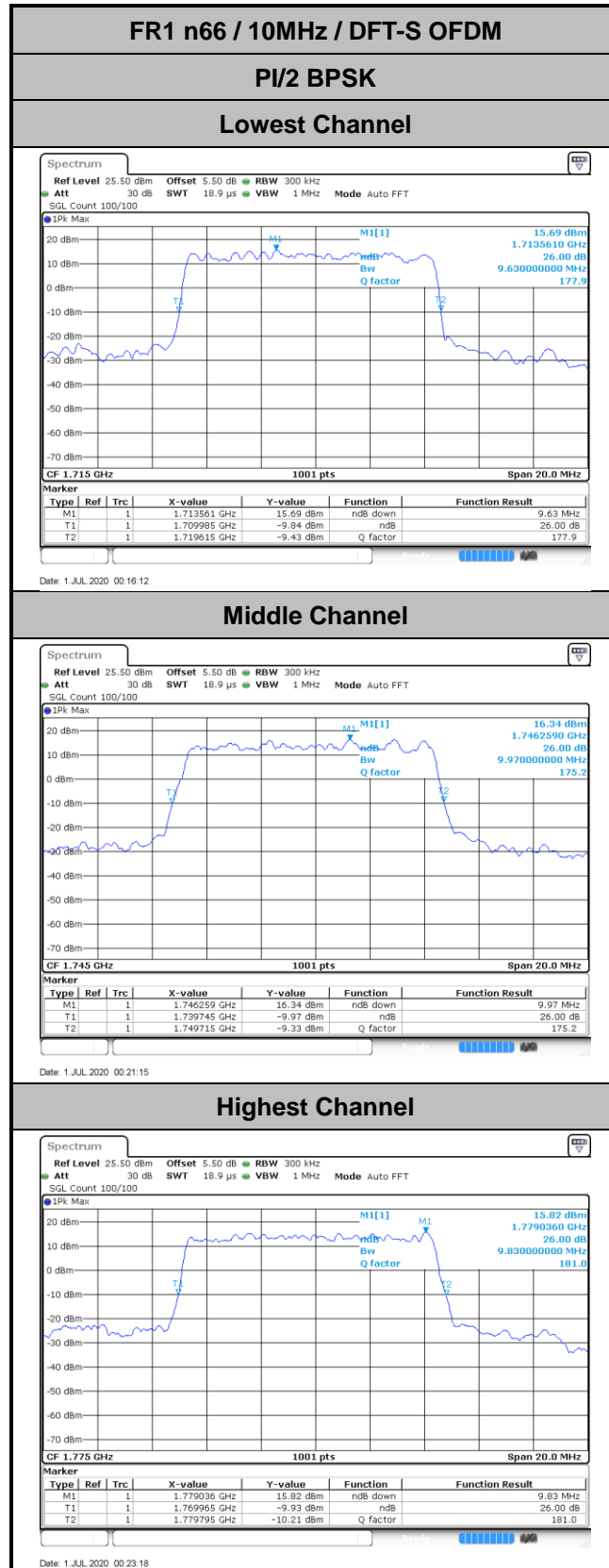
Highest Channel

Highest Channel



Date: 30 JUN 2020 23:41:58

Date: 30 JUN 2020 23:42:19





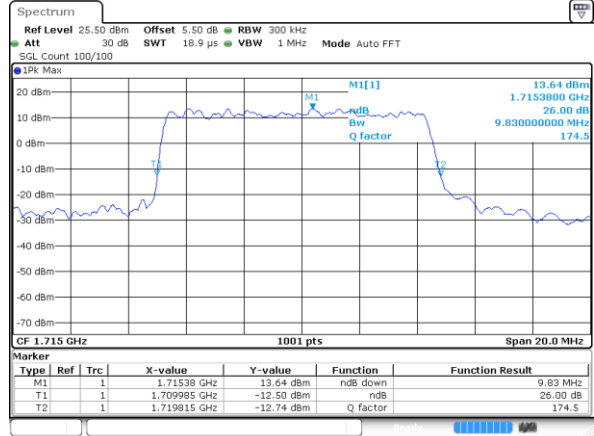
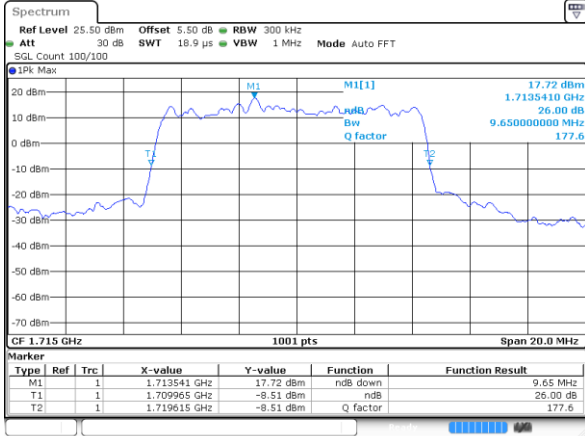
FR1 n66 / 10MHz / DFT-S OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

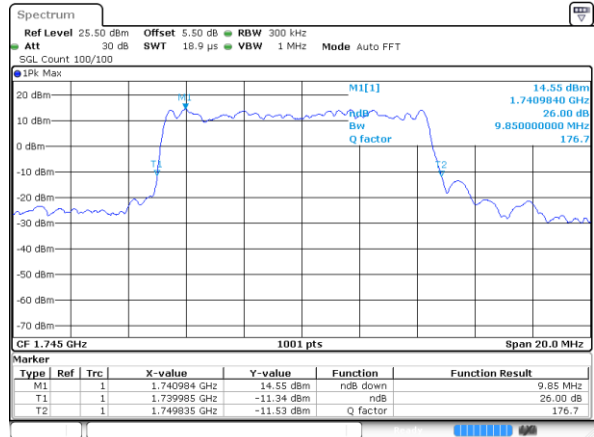
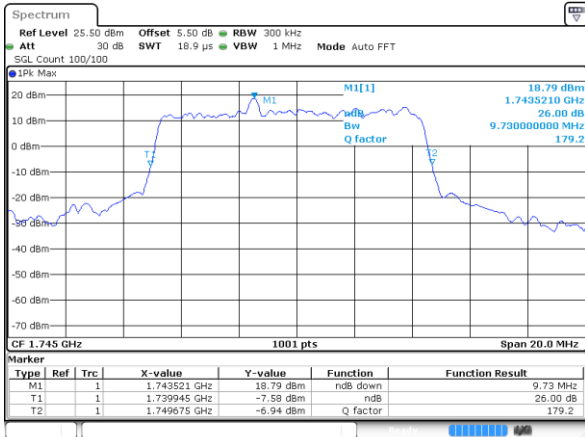


Date: 1 JUL 2020 00:17:33

Date: 1 JUL 2020 00:17:58

Middle Channel

Middle Channel

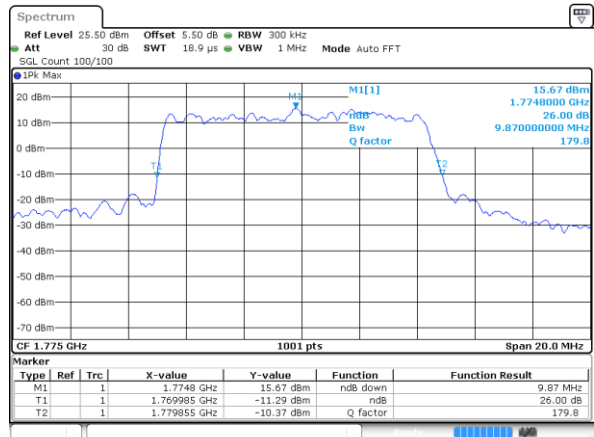
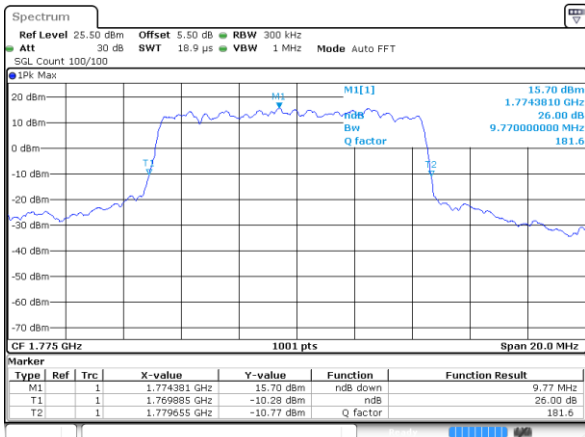


Date: 1 JUL 2020 00:21:31

Date: 1 JUL 2020 00:21:45

Highest Channel

Highest Channel



Date: 1 JUL 2020 00:24:28

Date: 1 JUL 2020 00:24:53



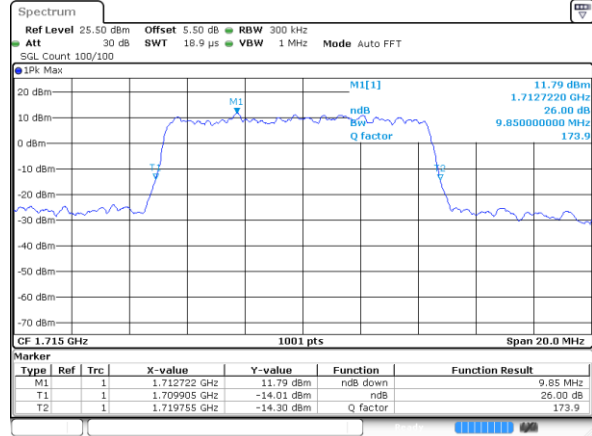
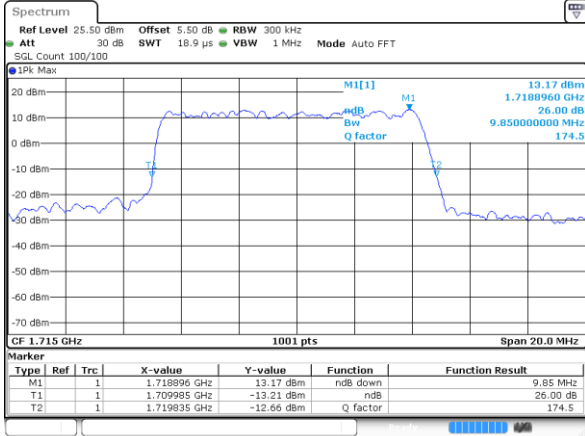
FR1 n66 / 10MHz / DFT-S OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

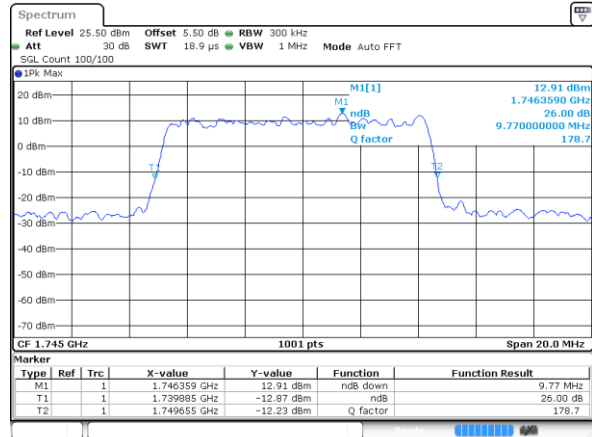
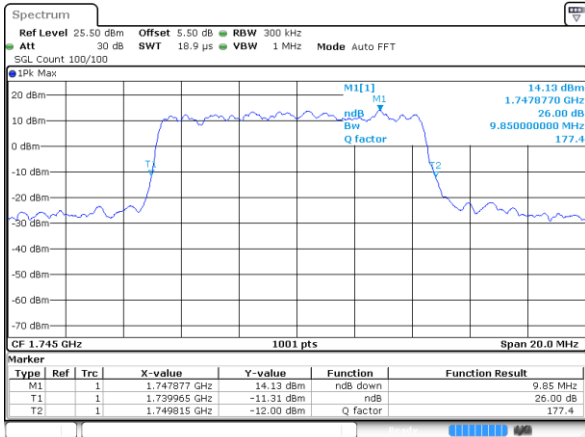


Date: 1 JUL 2020 00:19:10

Date: 1 JUL 2020 00:19:36

Middle Channel

Middle Channel

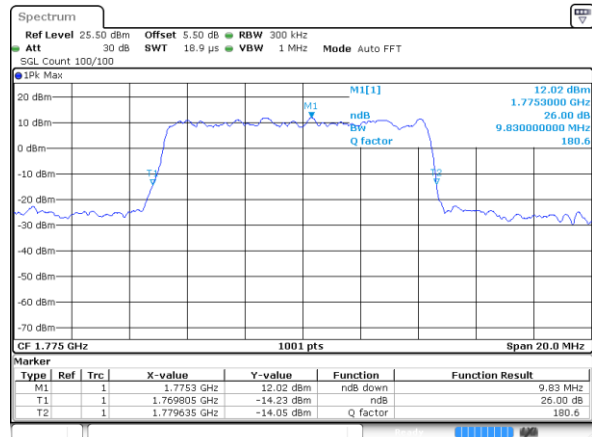
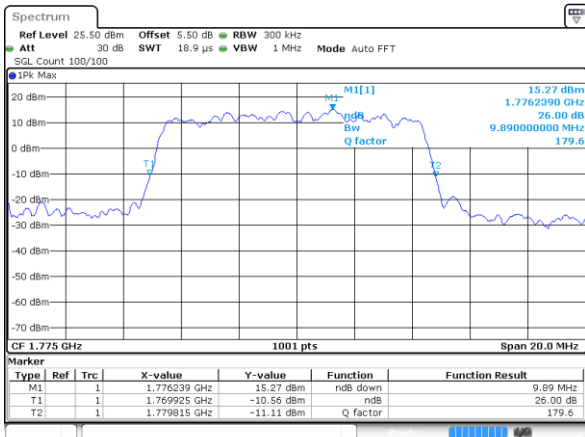


Date: 1 JUL 2020 00:22:00

Date: 1 JUL 2020 00:22:19

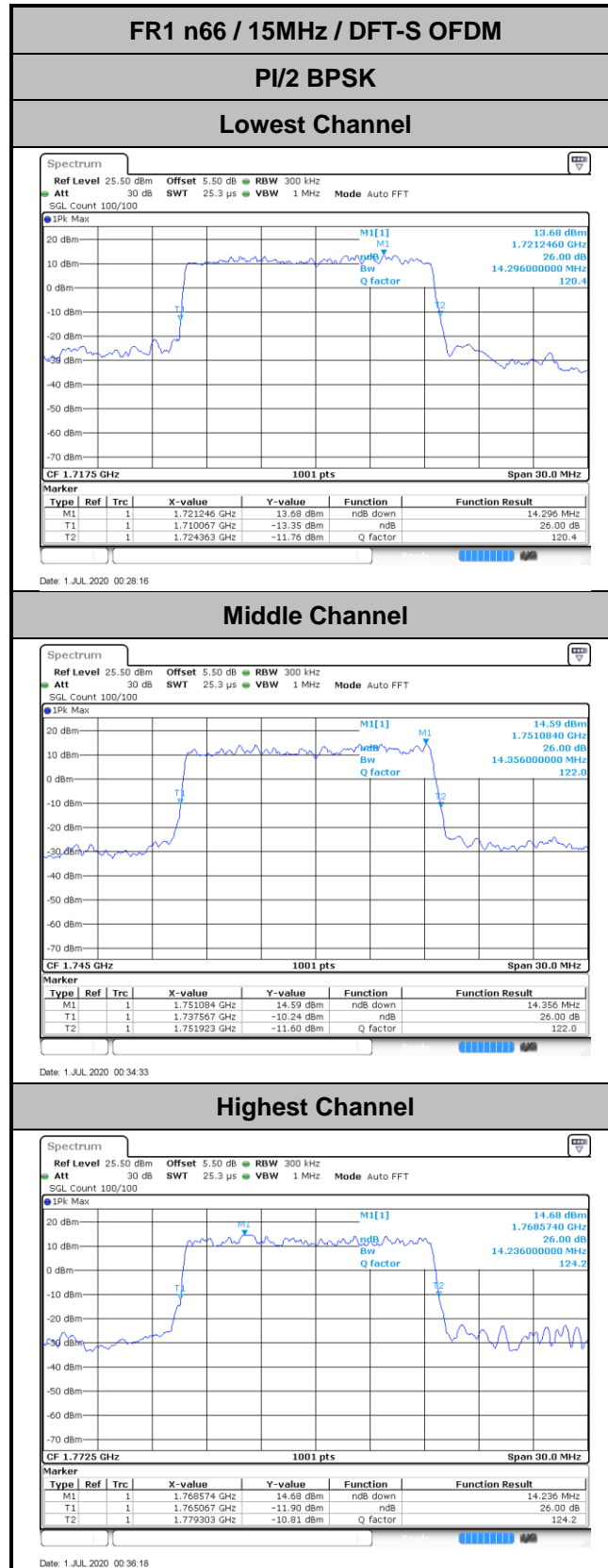
Highest Channel

Highest Channel



Date: 1 JUL 2020 00:26:12

Date: 1 JUL 2020 00:26:38





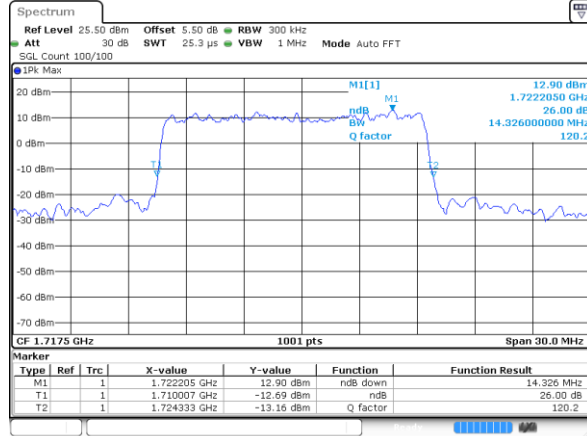
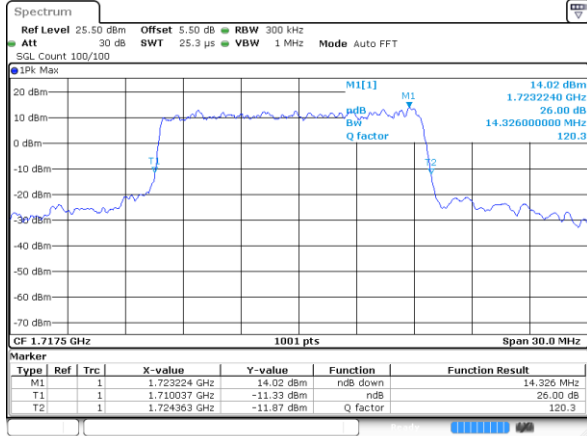
FR1 n66 / 15MHz / DFT-S OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

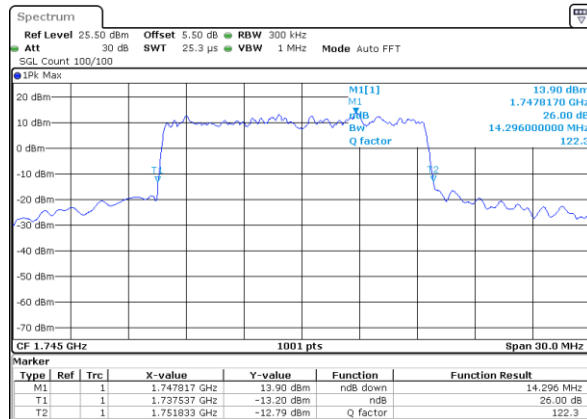
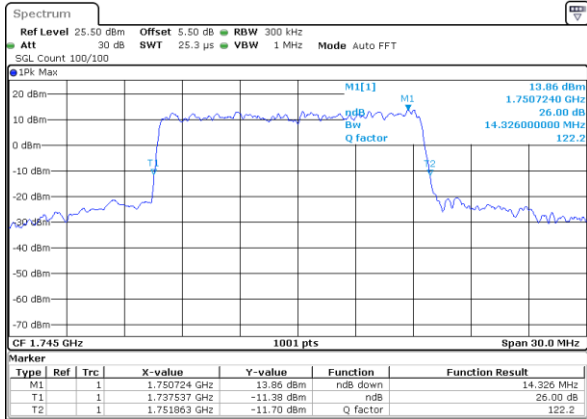


Date: 1 JUL 2020 00:30:31

Date: 1 JUL 2020 00:31:40

Middle Channel

Middle Channel

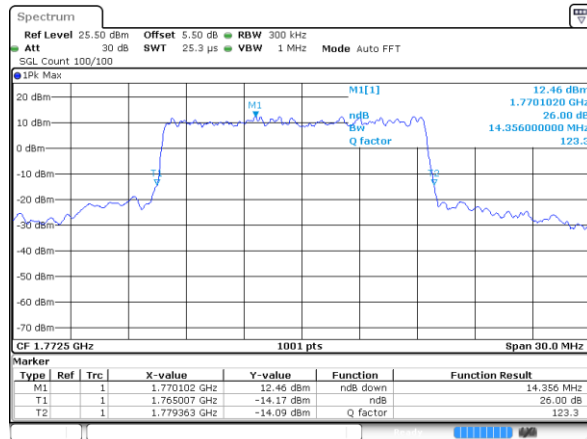
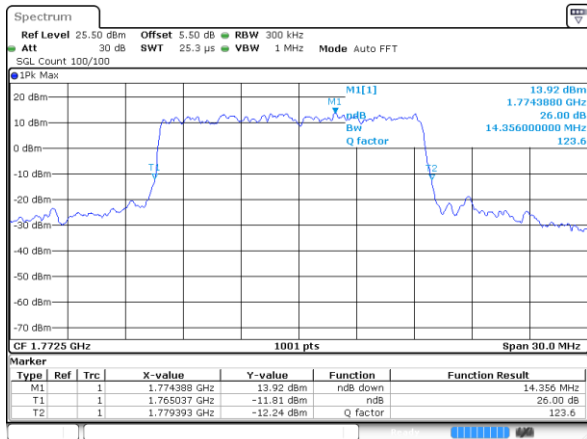


Date: 1 JUL 2020 00:34:49

Date: 1 JUL 2020 00:35:04

Highest Channel

Highest Channel



Date: 1 JUL 2020 00:38:14

Date: 1 JUL 2020 00:38:41



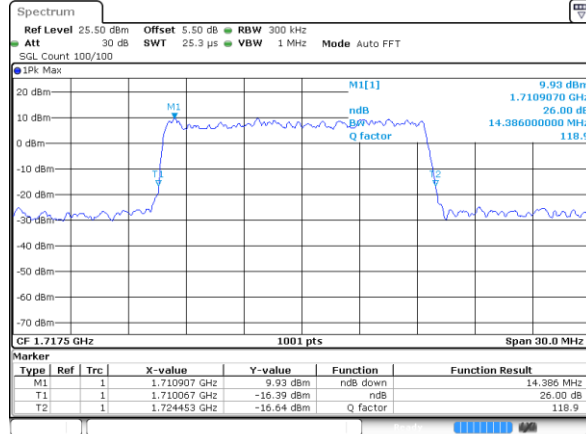
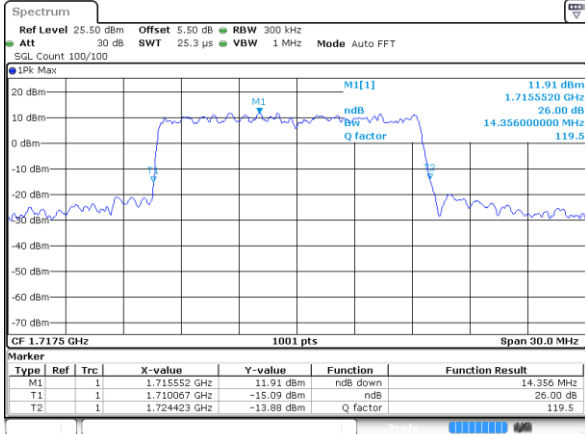
FR1 n66 / 15MHz / DFT-S OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

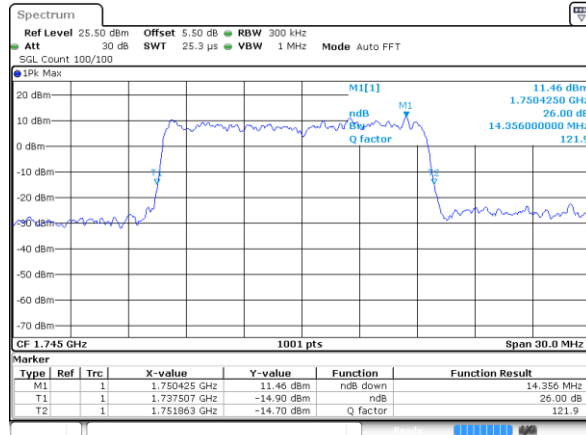
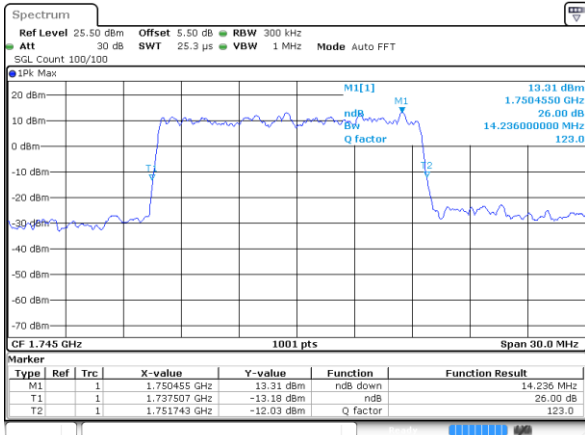


Date: 1 JUL 2020 00:32:51

Date: 1 JUL 2020 00:33:18

Middle Channel

Middle Channel

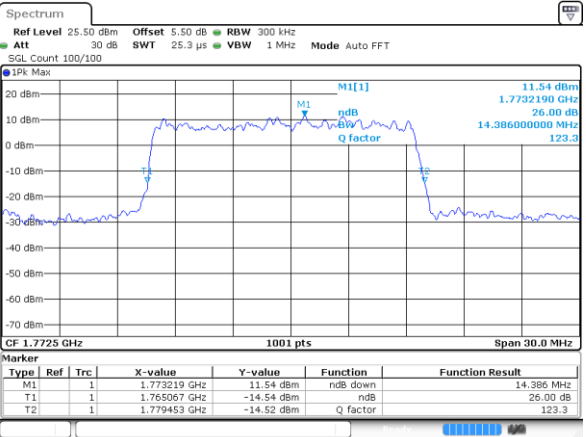
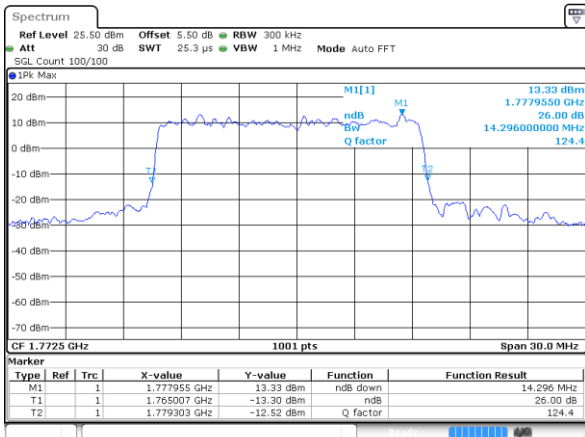


Date: 1 JUL 2020 00:35:20

Date: 1 JUL 2020 00:35:40

Highest Channel

Highest Channel



Date: 1 JUL 2020 00:40:27

Date: 1 JUL 2020 00:41:12

