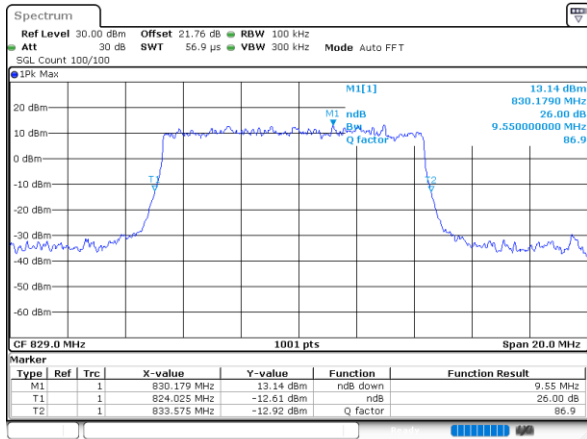




FR1 n5 / 10MHz / DFT-S OFDM

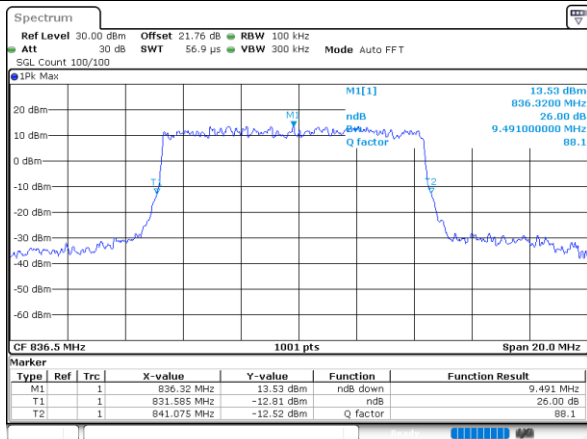
PI/2 BPSK

Lowest Channel



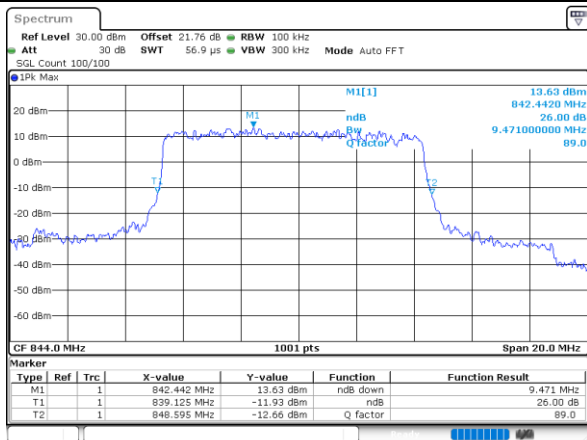
Date: 6 JUL 2020 14:08:48

Middle Channel



Date: 6 JUL 2020 14:12:13

Highest Channel



Date: 6 JUL 2020 15:11:21



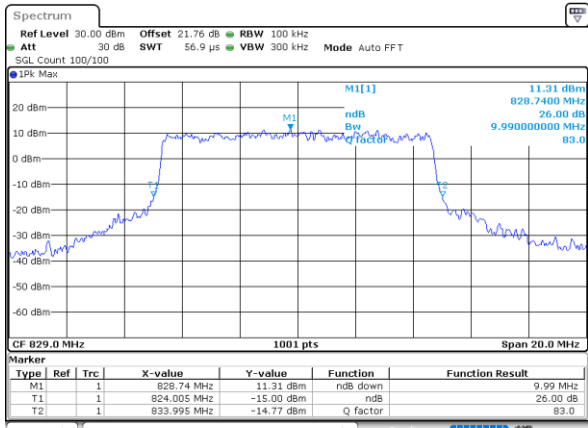
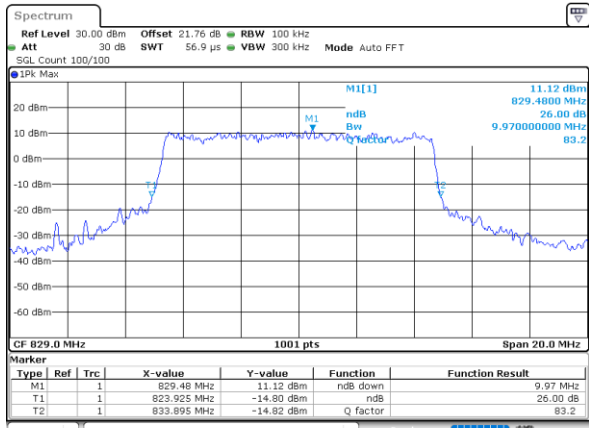
FR1 n5 / 10MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

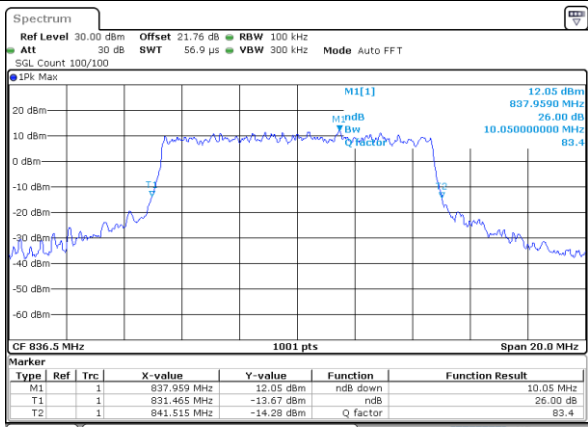
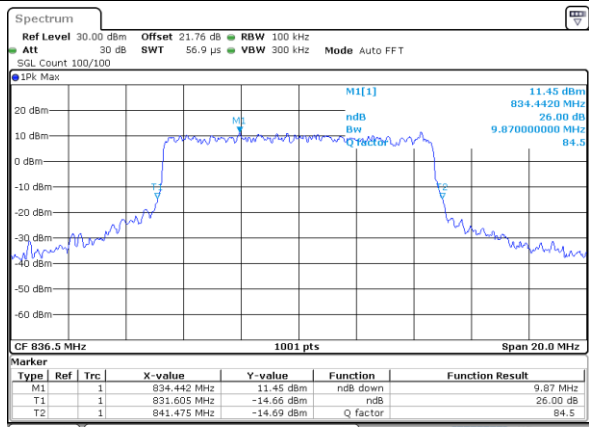


Date: 6 JUL 2020 14:02:31

Date: 6 JUL 2020 14:03:39

Middle Channel

Middle Channel

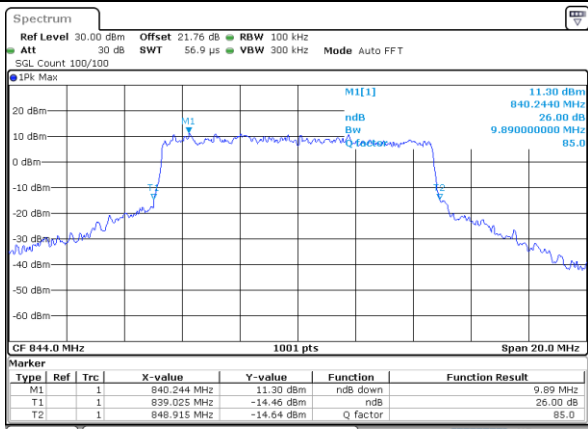
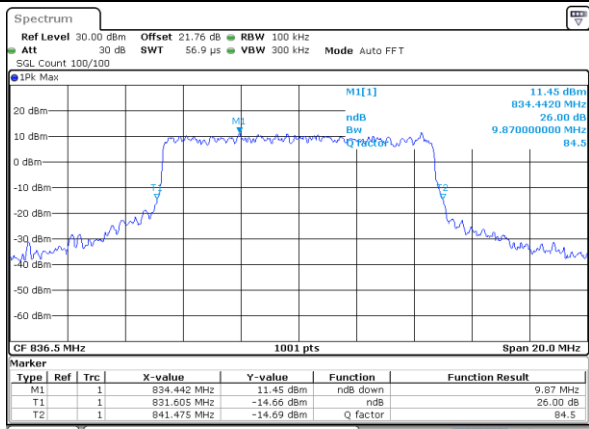


Date: 6 JUL 2020 14:28:49

Date: 6 JUL 2020 14:29:32

Highest Channel

Highest Channel



Date: 6 JUL 2020 14:28:49

Date: 6 JUL 2020 15:14:34



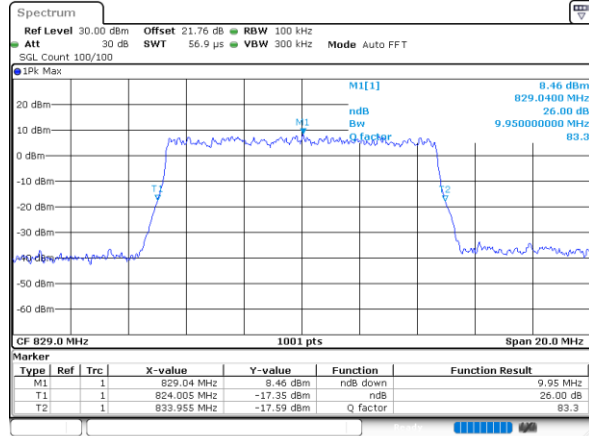
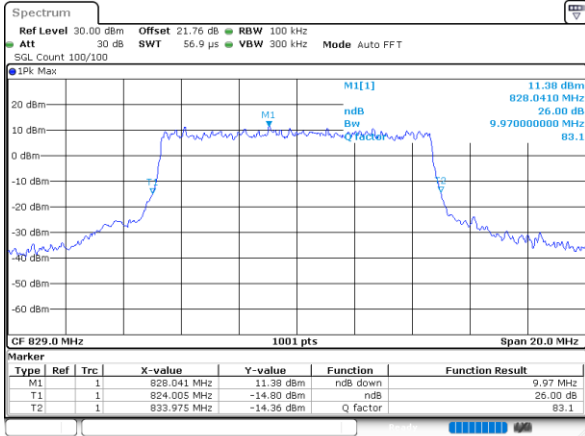
FR1 n5 / 10MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

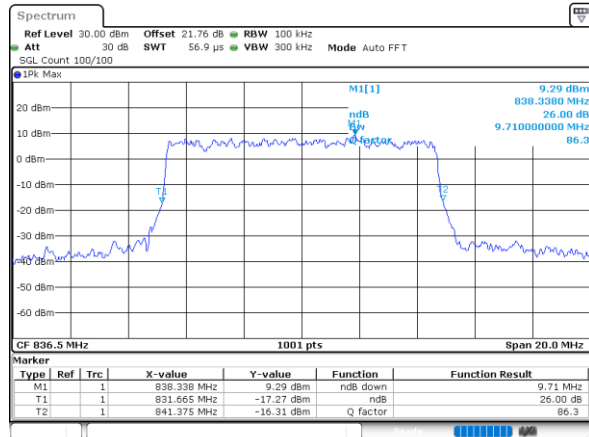
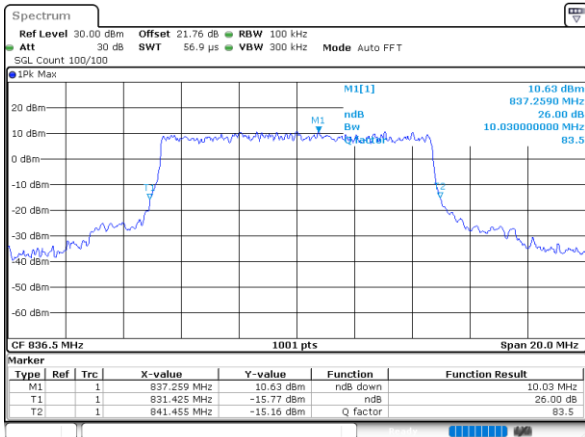


Date: 6 JUL 2020 14:10:138

Date: 6 JUL 2020 14:05:138

Middle Channel

Middle Channel

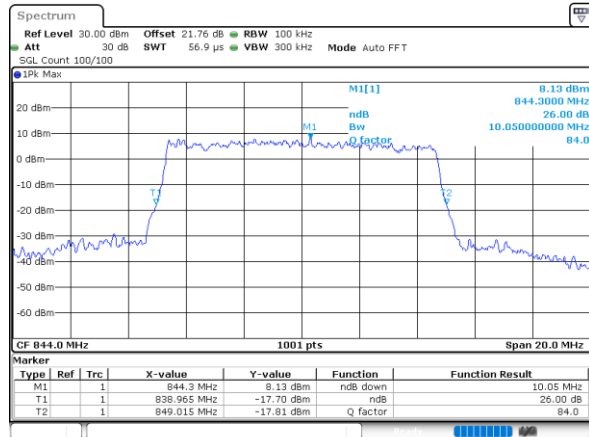
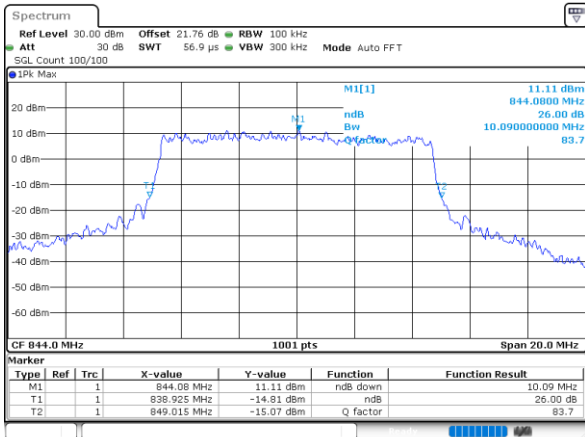


Date: 6 JUL 2020 14:10:124

Date: 6 JUL 2020 14:31:09

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:11:517

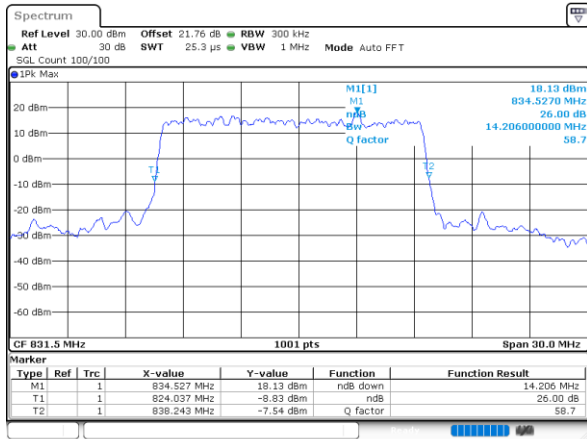
Date: 6 JUL 2020 15:16:17



FR1 n5 / 15MHz / DFT-S OFDM

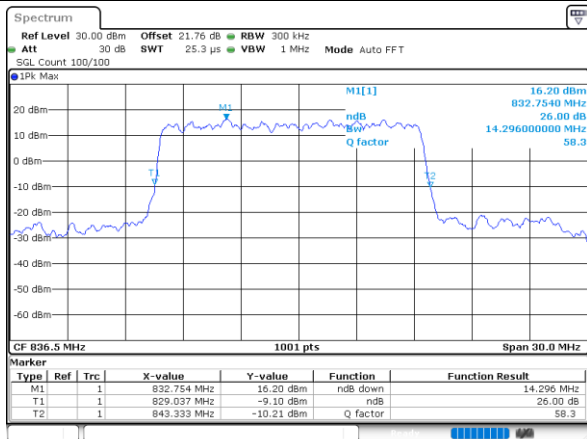
PI/2 BPSK

Lowest Channel



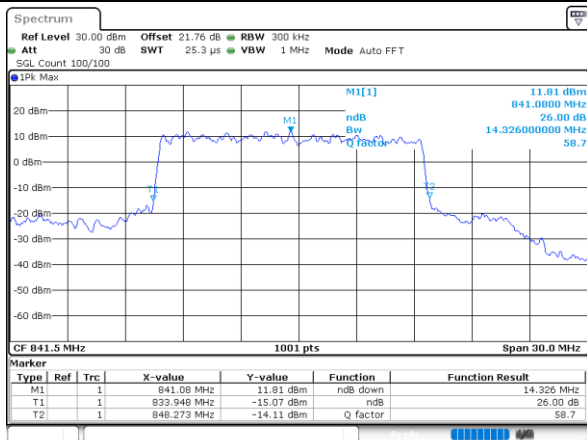
Date: 6 JUL 2020 14:15:03

Middle Channel



Date: 6 JUL 2020 14:17:30

Highest Channel



Date: 6 JUL 2020 15:22:30



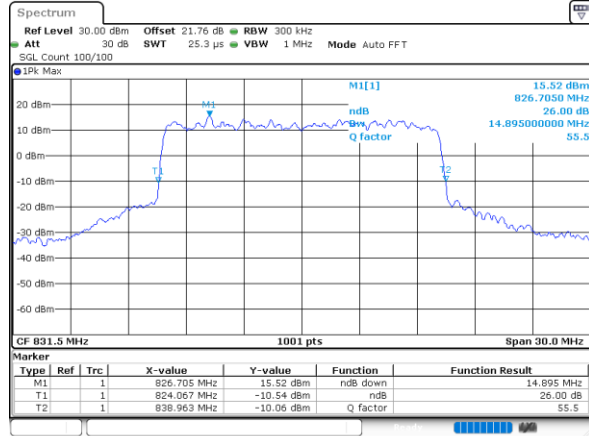
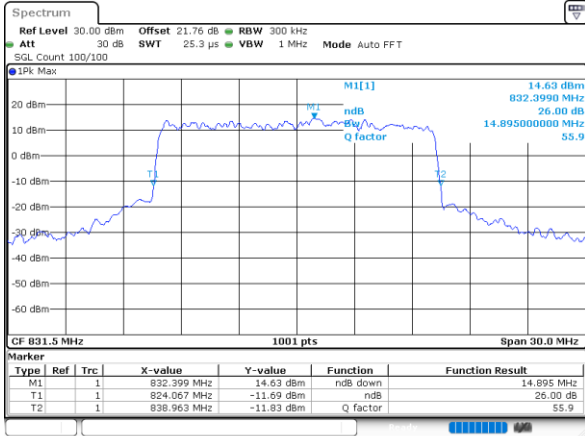
FR1 n5 / 15MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

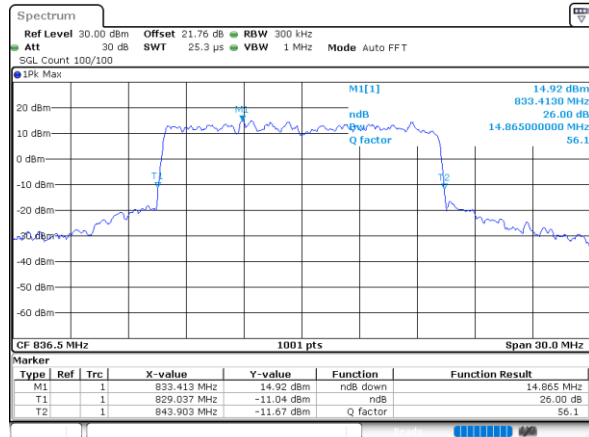
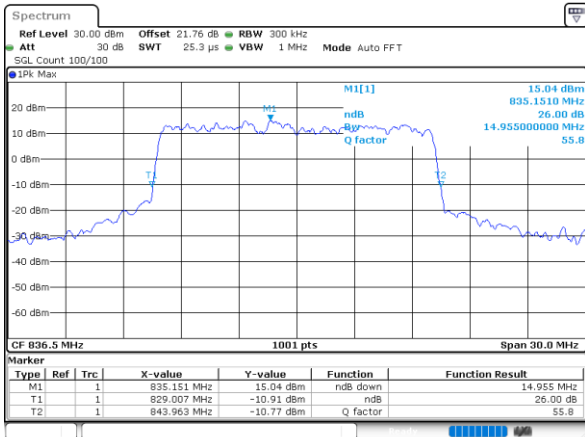


Date: 6 JUL 2020 14:10:57

Date: 6 JUL 2020 14:11:46

Middle Channel

Middle Channel

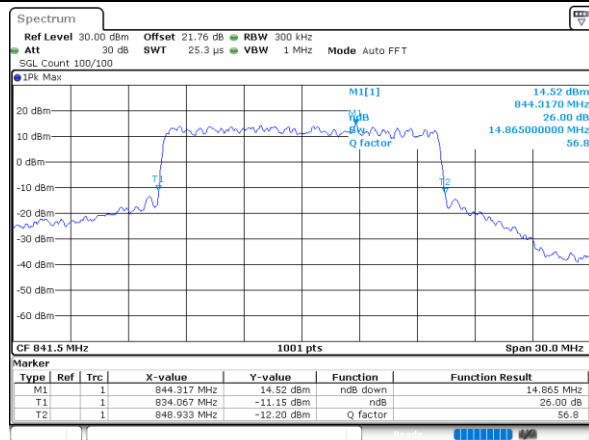
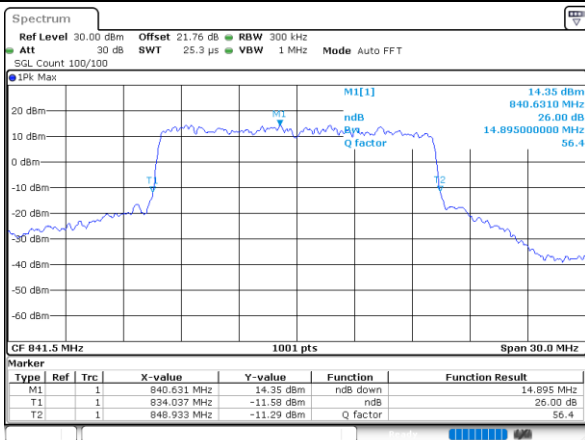


Date: 6 JUL 2020 14:13:29

Date: 6 JUL 2020 14:34:57

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:19:04

Date: 6 JUL 2020 15:19:48



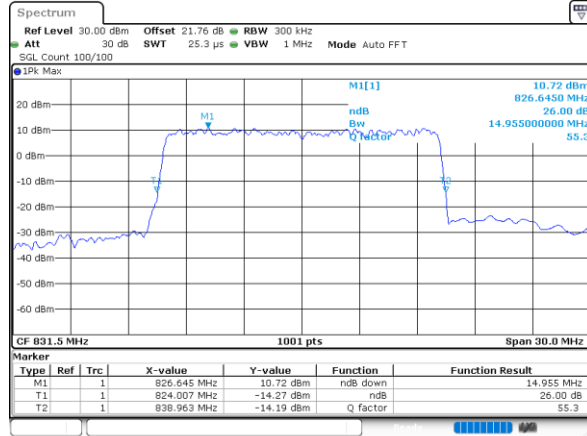
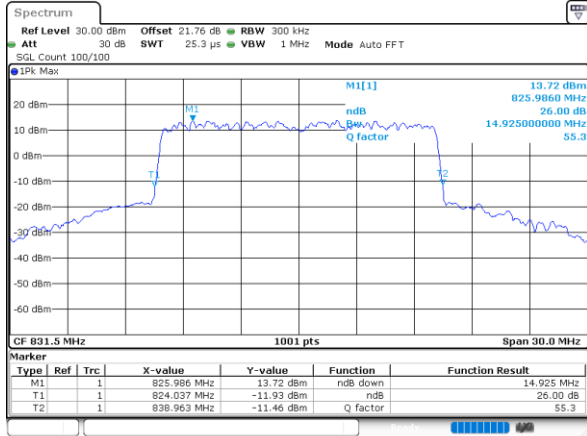
FR1 n5 / 15MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

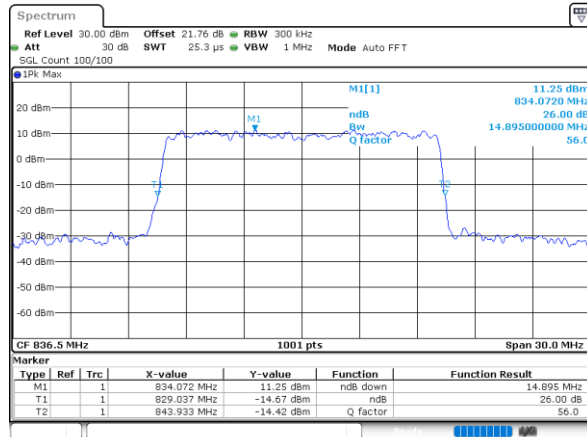
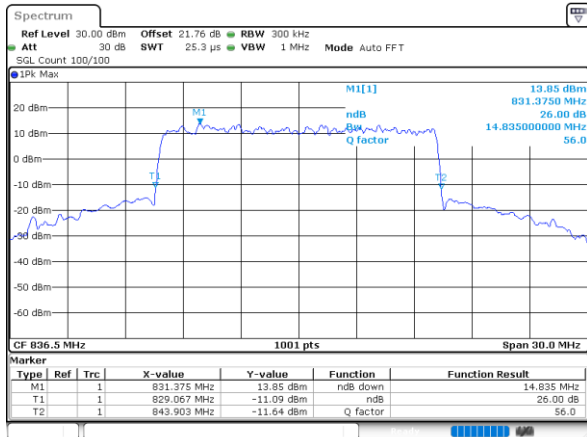


Date: 6 JUL 2020 14:12:49

Date: 6 JUL 2020 14:13:51

Middle Channel

Middle Channel

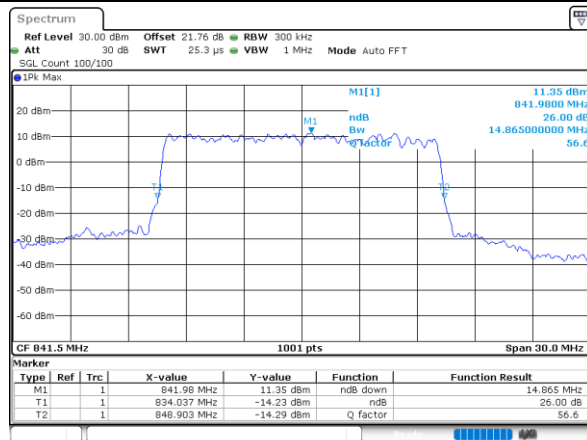
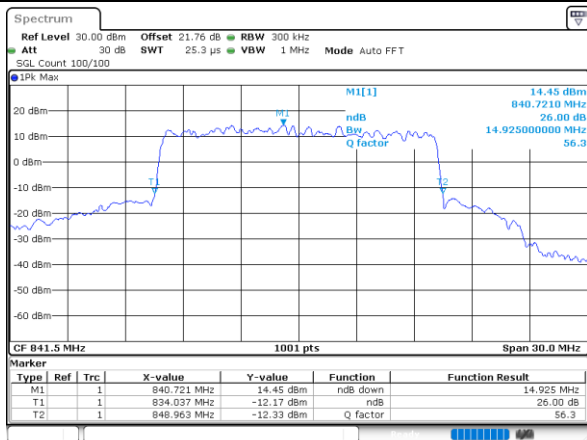


Date: 6 JUL 2020 14:15:43

Date: 6 JUL 2020 14:16:29

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:20:31

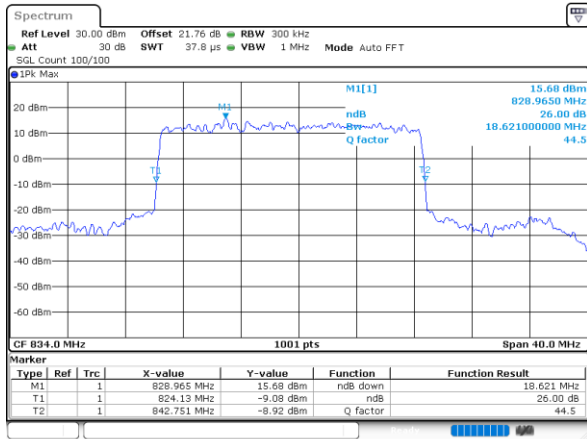
Date: 6 JUL 2020 15:21:23



FR1 n5 / 20MHz / DFT-S OFDM

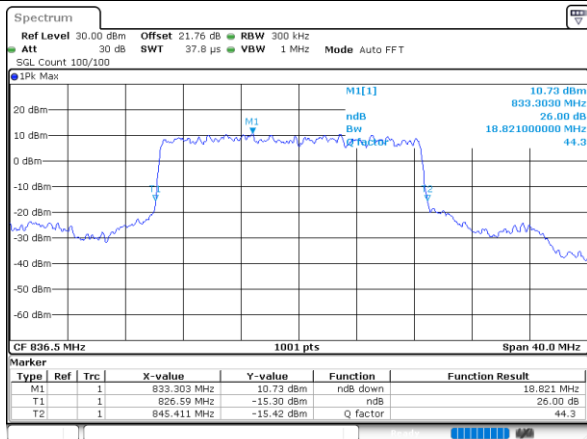
PI/2 BPSK

Lowest Channel



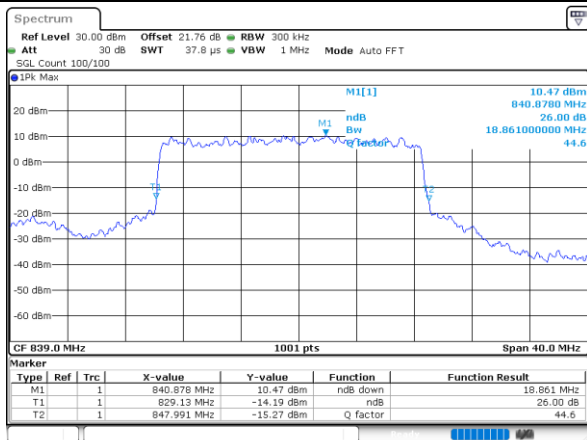
Date: 6 JUL 2020 14:21:17

Middle Channel



Date: 6 JUL 2020 14:42:54

Highest Channel



Date: 6 JUL 2020 15:28:01



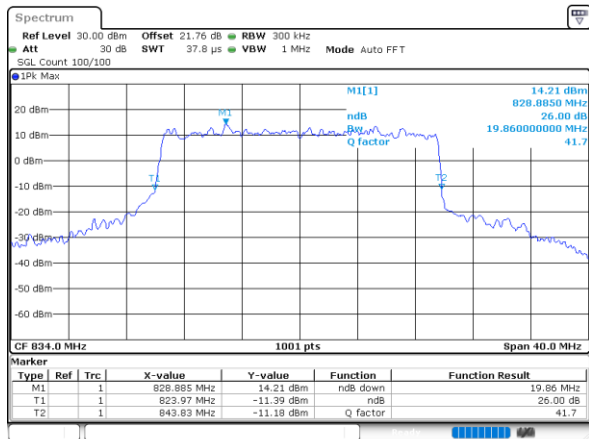
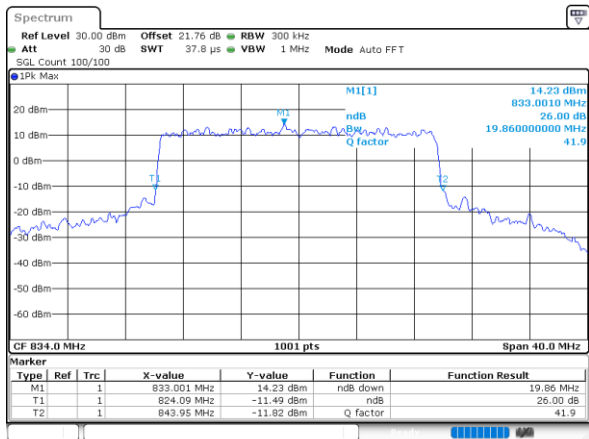
FR1 n5 / 20MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

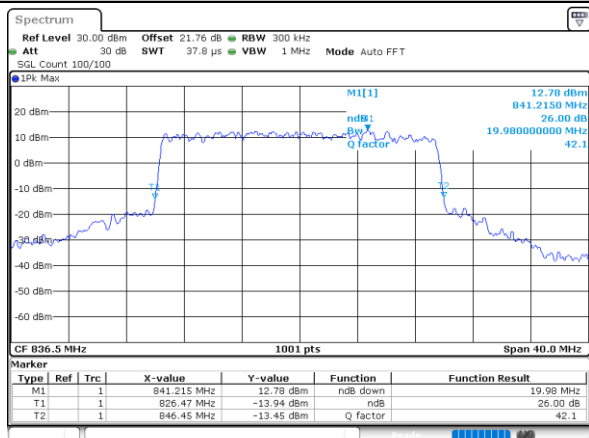
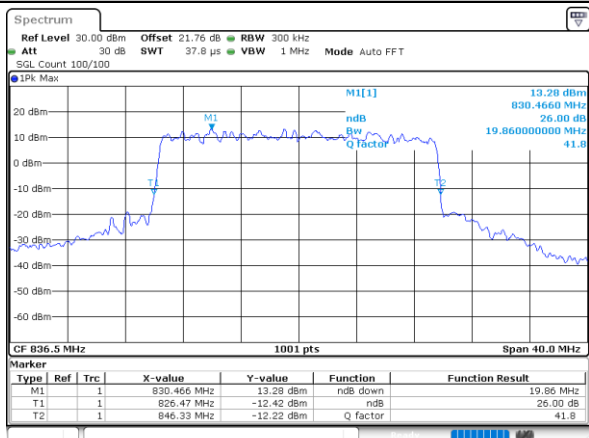


Date: 6.JUL.2020 14:17:14

Date: 6.JUL.2020 14:18:00

Middle Channel

Middle Channel

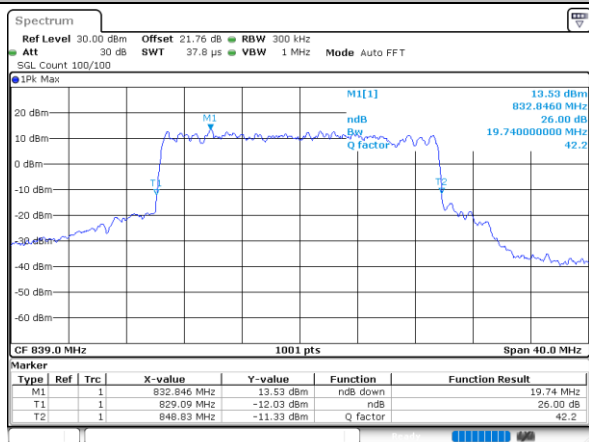
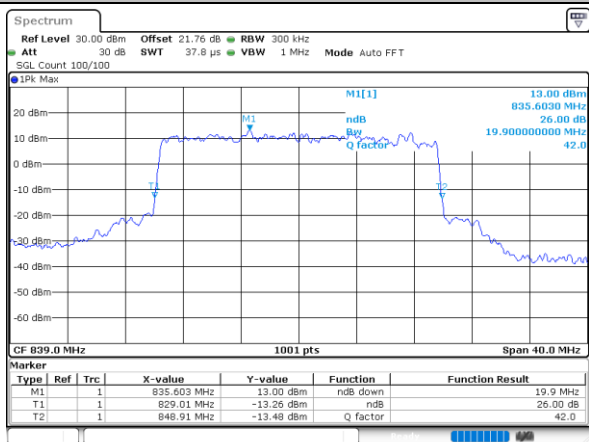


Date: 6.JUL.2020 14:15:10

Date: 6.JUL.2020 14:40:00

Highest Channel

Highest Channel



Date: 6.JUL.2020 15:24:24

Date: 6.JUL.2020 15:25:40



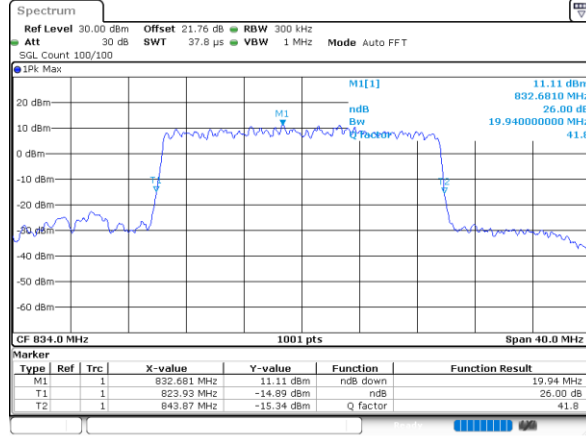
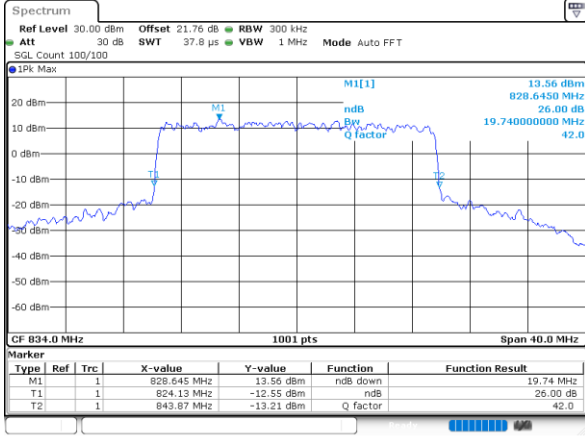
FR1 n5 / 20MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

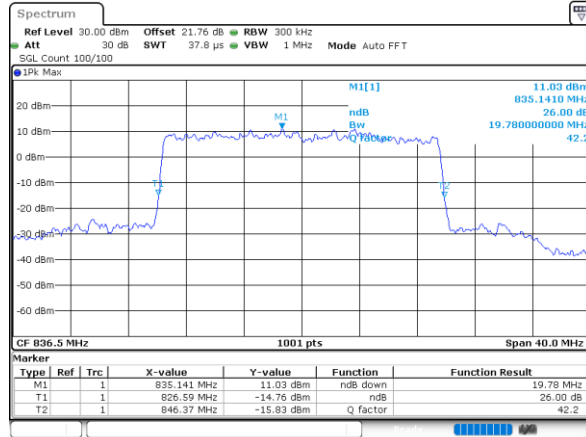
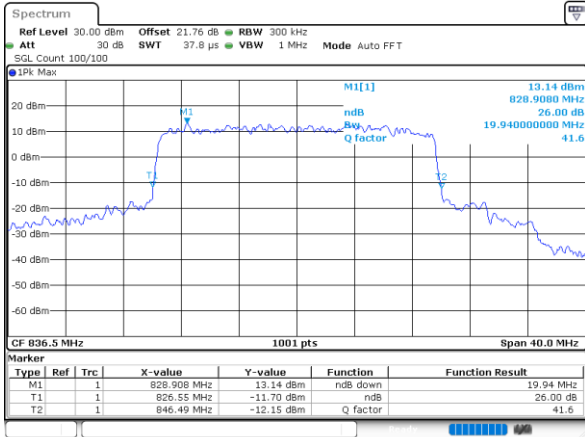


Date: 6 JUL 2020 14:18:47

Date: 6 JUL 2020 14:20:08

Middle Channel

Middle Channel

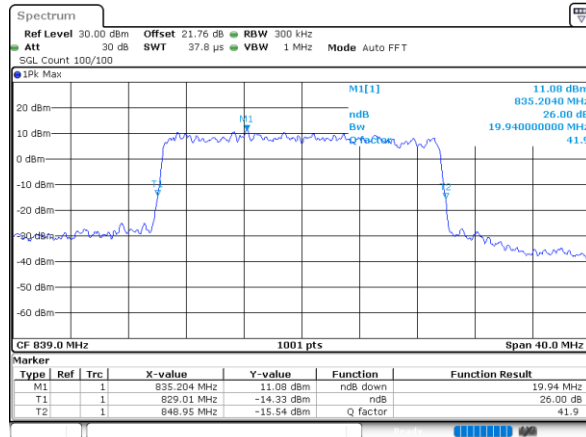
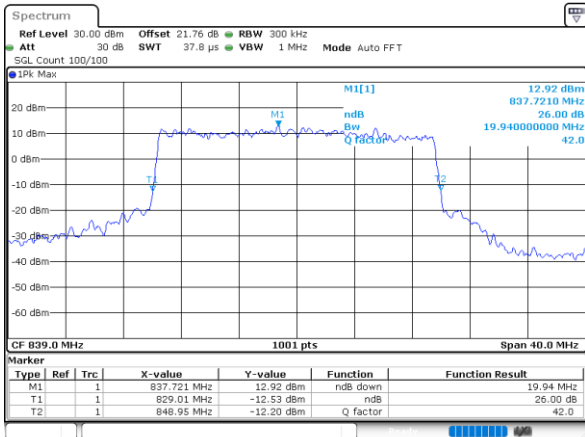


Date: 6 JUL 2020 14:40:57

Date: 6 JUL 2020 14:41:55

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:26:21

Date: 6 JUL 2020 15:27:03



Occupied Bandwidth

Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Lowest CH	4.52		8.95		13.43		17.82	
Middle CH	4.48		8.95		13.43		17.82	
Highest CH	4.49		8.89		13.49		17.86	

Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.48	4.48	9.27	9.29	14.12	14.18	18.90	18.86
Middle CH	4.50	4.51	9.27	9.29	14.09	14.15	18.90	18.90
Highest CH	4.50	4.49	9.27	9.29	14.06	14.12	18.98	18.86

Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.48	4.50	9.29	9.27	14.12	14.09	18.82	18.82
Middle CH	4.50	4.48	9.27	9.29	14.12	14.12	18.90	18.82
Highest CH	4.50	4.50	9.31	9.29	14.12	14.15	18.86	18.78

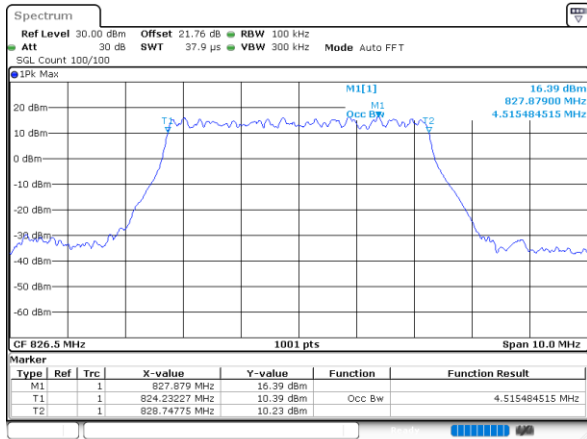
Note: The CP-OFDM (worst case) is more wider bandwidth than the DFT-S OFDM's.



FR1 n5 / 5MHz / DFT-S OFDM

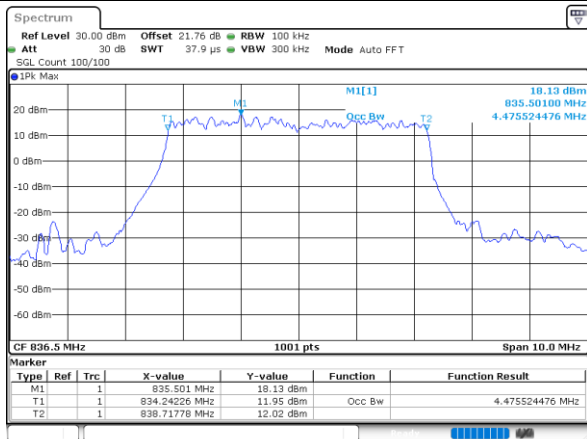
PI/2 BPSK

Lowest Channel



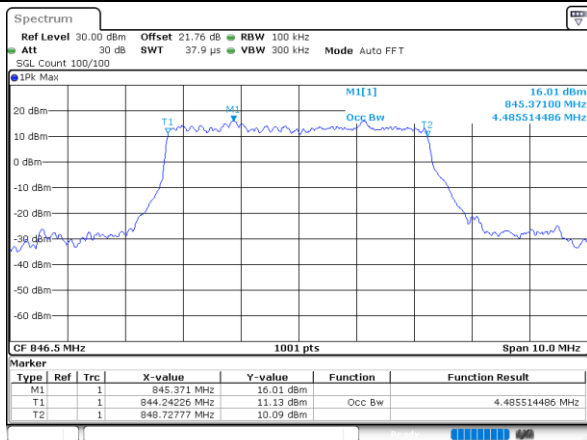
Date: 6 JUL 2020 13:58:39

Middle Channel



Date: 6 JUL 2020 14:26:40

Highest Channel



Date: 6 JUL 2020 15:10:43



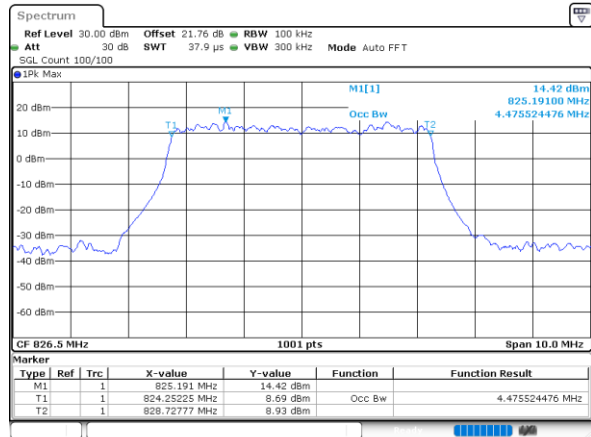
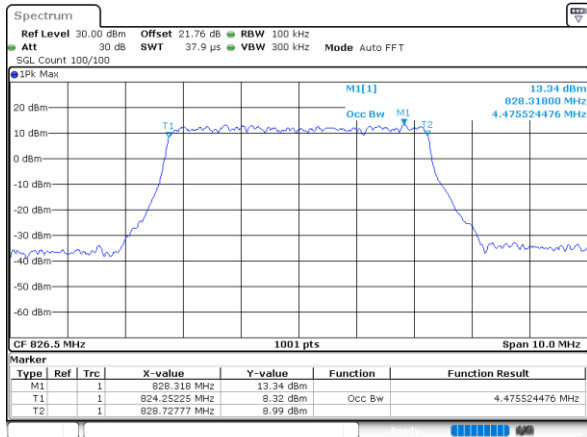
FR1 n5 / 5MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

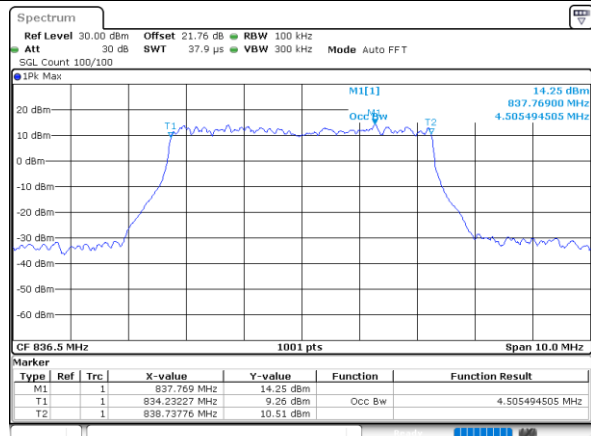
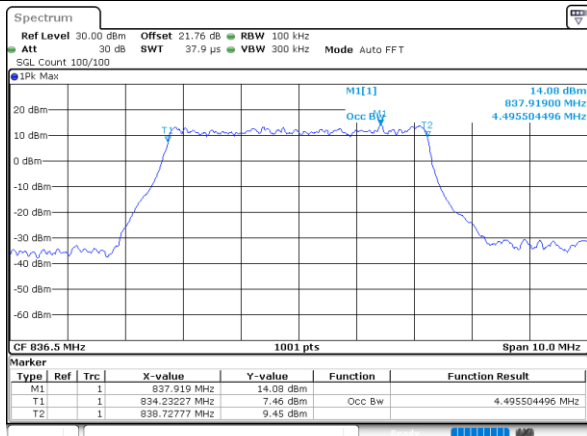


Date: 6 JUL 2020 13:54:57

Date: 6 JUL 2020 13:55:46

Middle Channel

Middle Channel

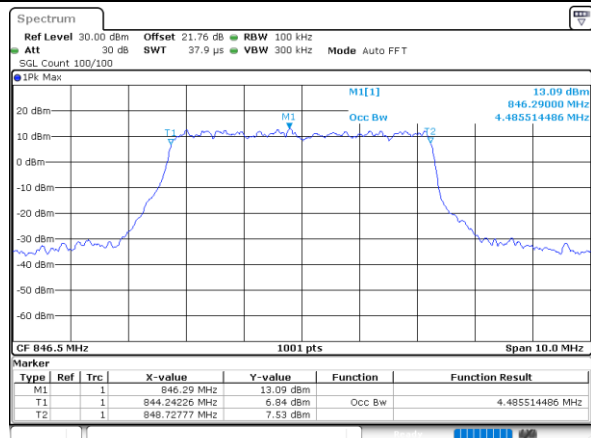
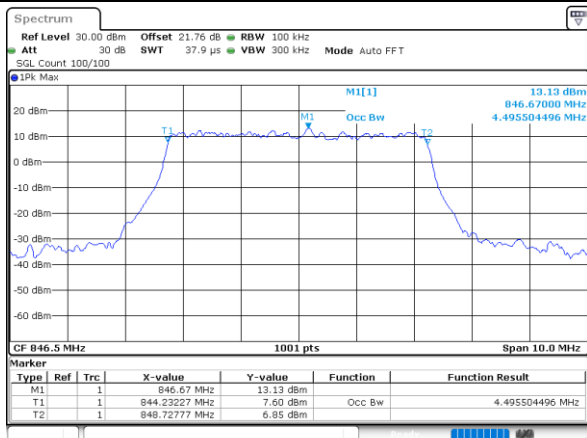


Date: 6 JUL 2020 14:22:40

Date: 6 JUL 2020 14:23:46

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:05:20

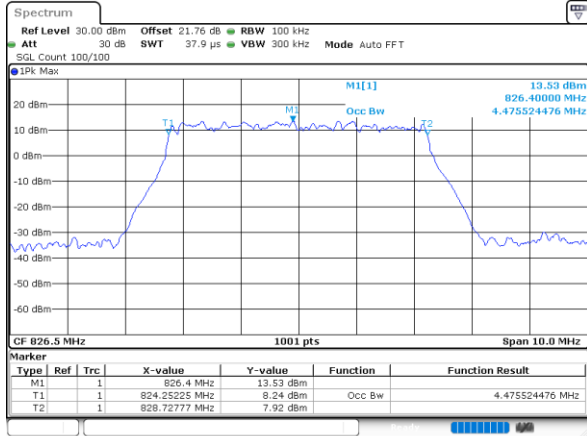
Date: 6 JUL 2020 15:06:19



FR1 n5 / 5MHz / CP OFDM

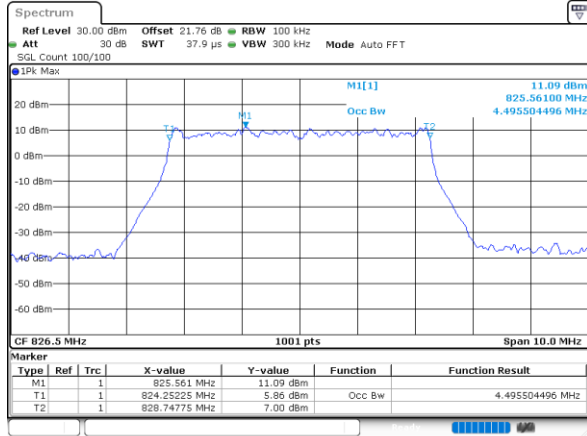
64QAM

Lowest Channel

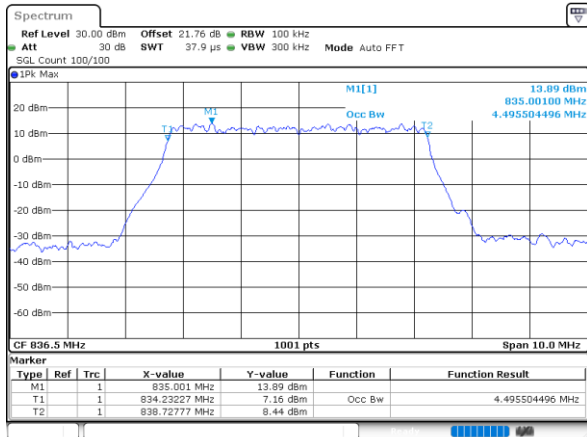


256QAM

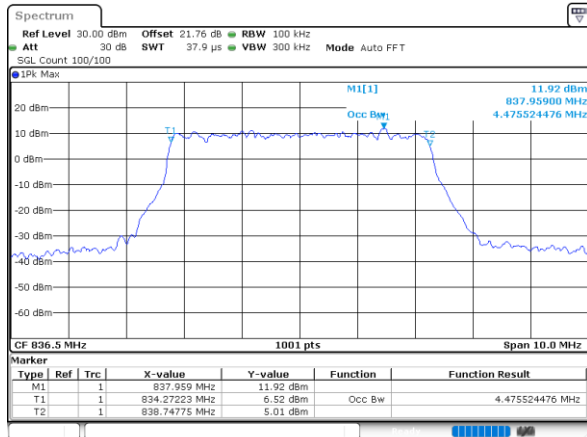
Lowest Channel



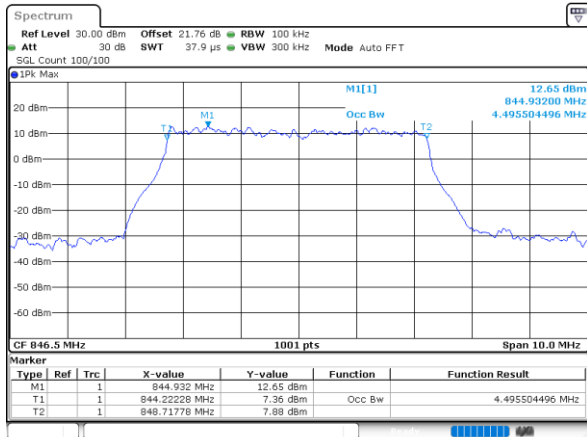
Middle Channel



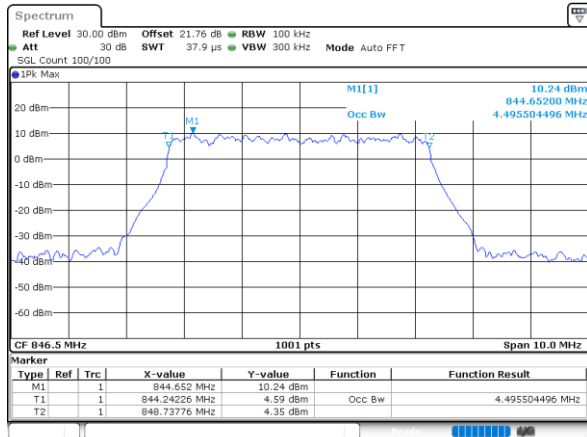
Middle Channel



Highest Channel



Highest Channel

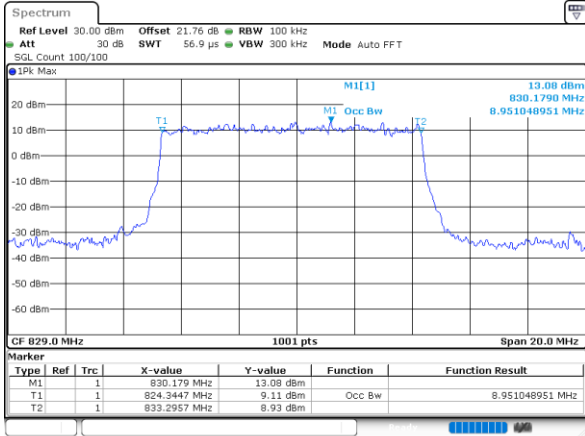




FR1 n5 / 10MHz / DFT-S OFDM

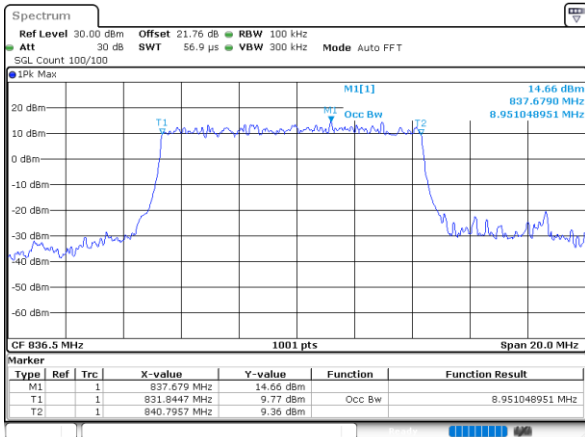
PI/2 BPSK

Lowest Channel



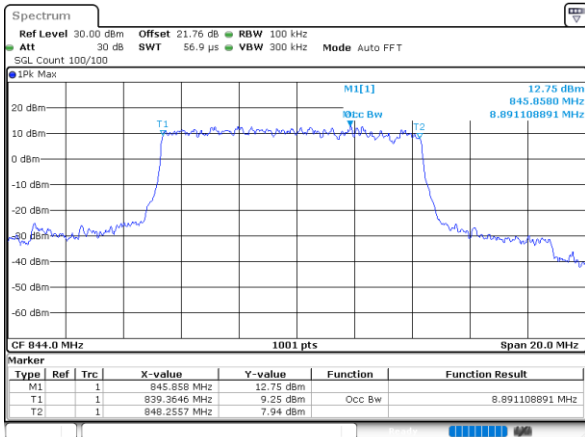
Date: 6 JUL 2020 14:08:26

Middle Channel



Date: 6 JUL 2020 14:11:54

Highest Channel



Date: 6 JUL 2020 15:11:58



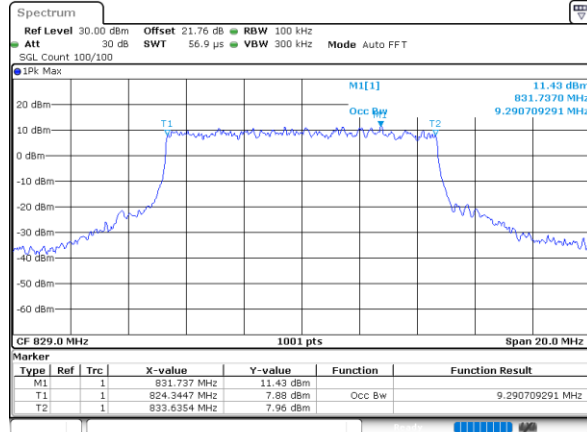
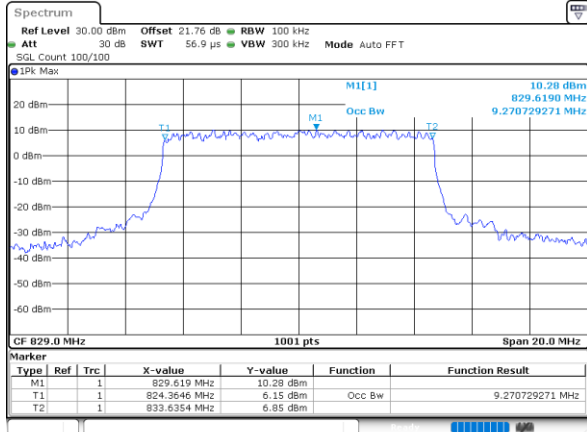
FR1 n5 / 10MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

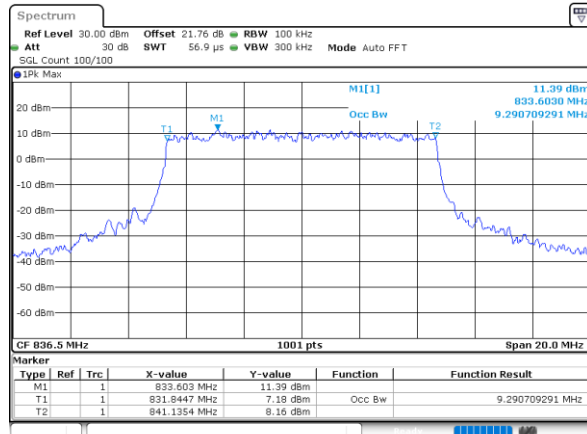
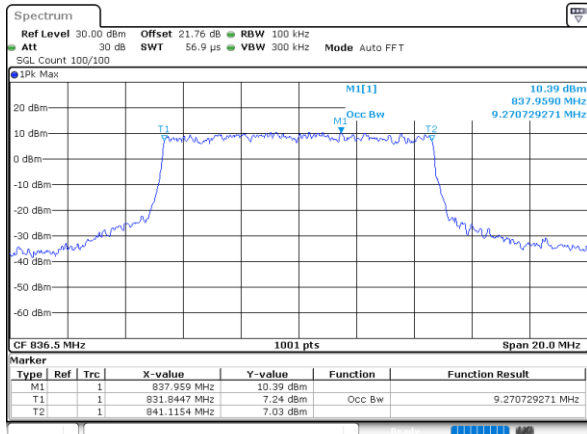


Date: 6.JUL.2020 14:01:40

Date: 6.JUL.2020 14:03:17

Middle Channel

Middle Channel

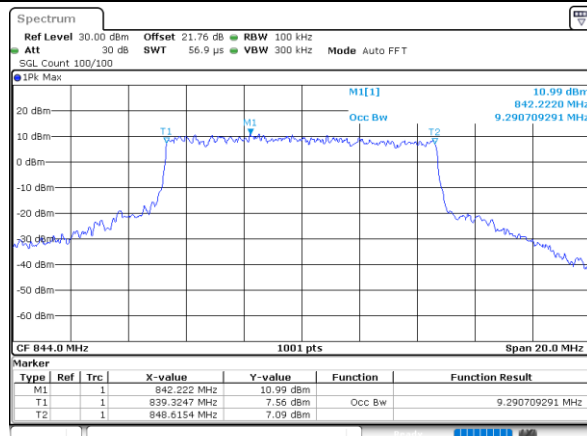
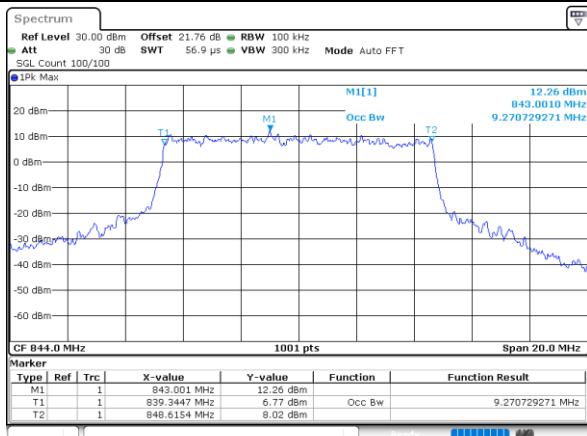


Date: 6.JUL.2020 14:28:30

Date: 6.JUL.2020 14:29:17

Highest Channel

Highest Channel



Date: 6.JUL.2020 15:13:21

Date: 6.JUL.2020 15:14:16



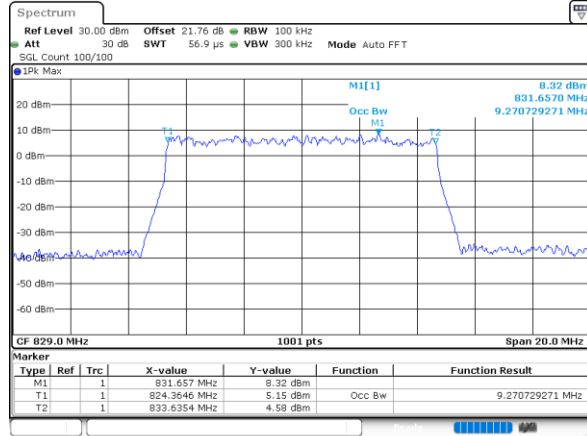
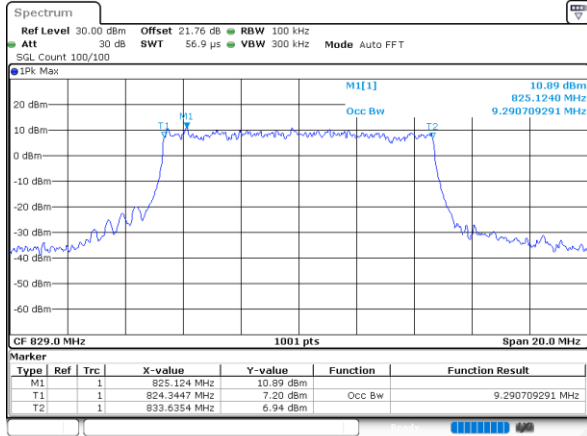
FR1 n5 / 10MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

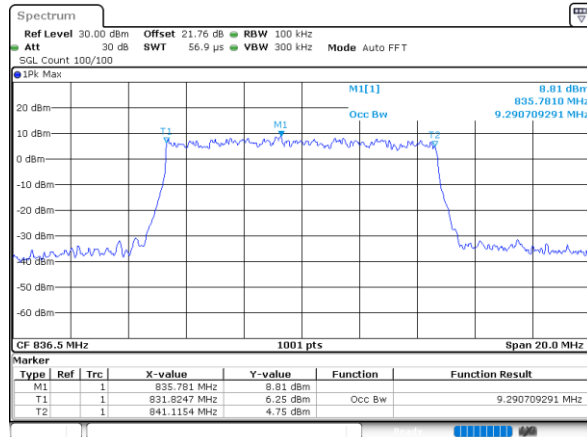
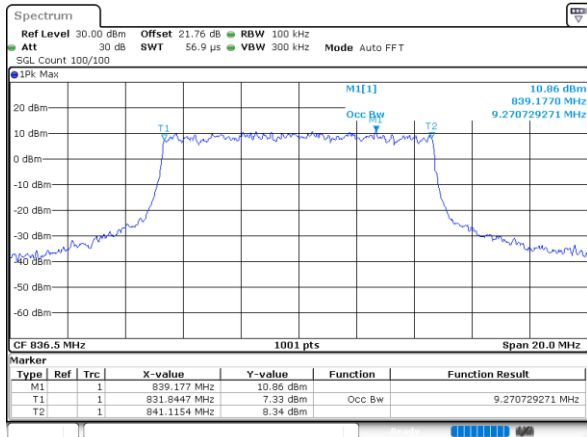


Date: 6 JUL 2020 14:10:119

Date: 6 JUL 2020 14:05:119

Middle Channel

Middle Channel

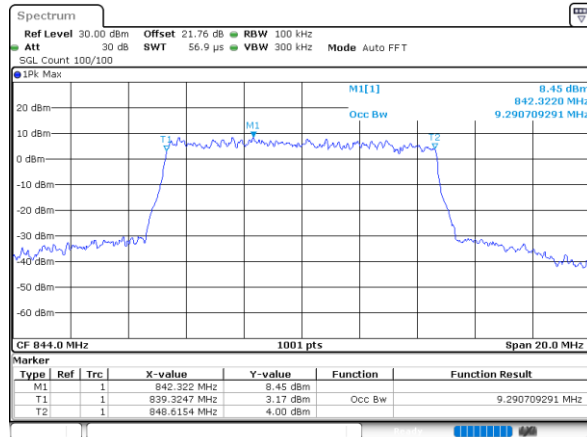
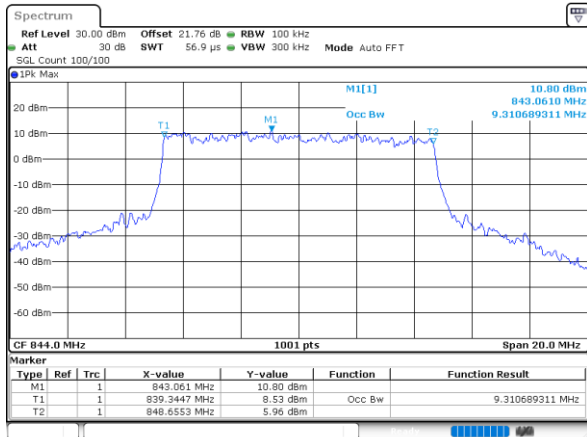


Date: 6 JUL 2020 14:10:103

Date: 6 JUL 2020 14:30:53

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:11:514

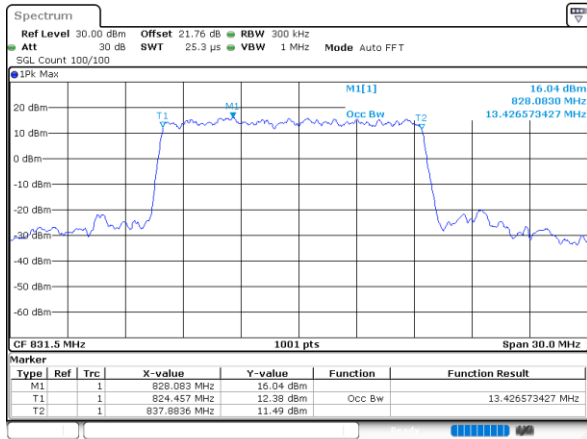
Date: 6 JUL 2020 15:16:03



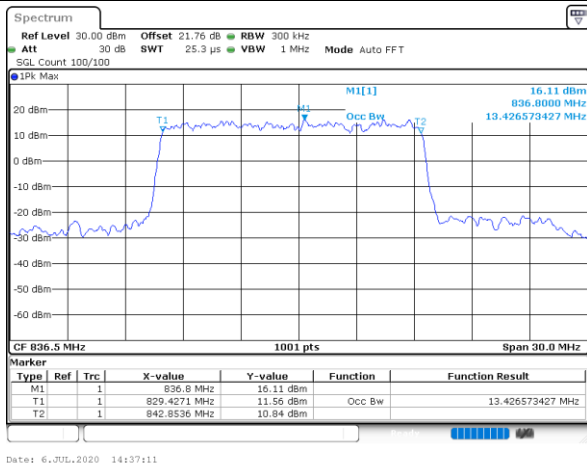
FR1 n5 / 15MHz / DFT-S OFDM

PI/2 BPSK

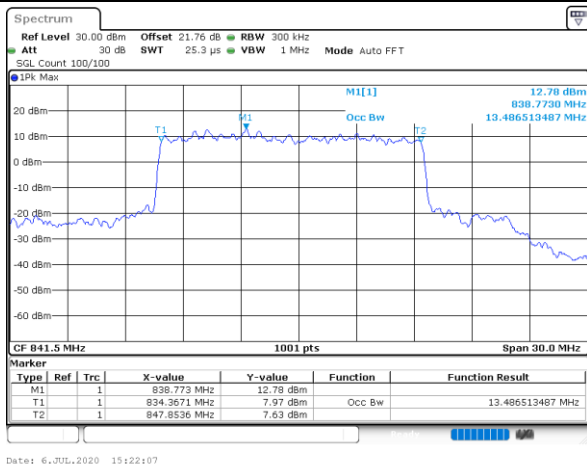
Lowest Channel



Middle Channel



Highest Channel





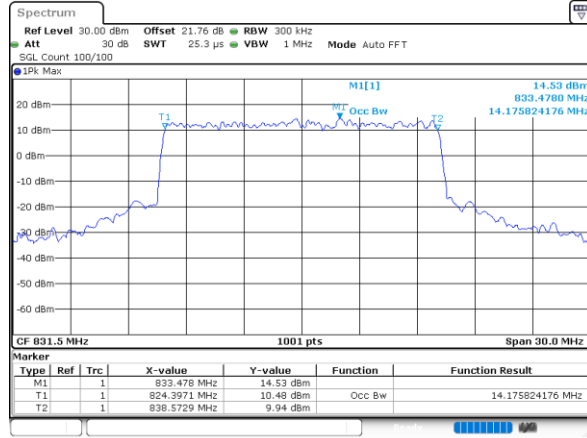
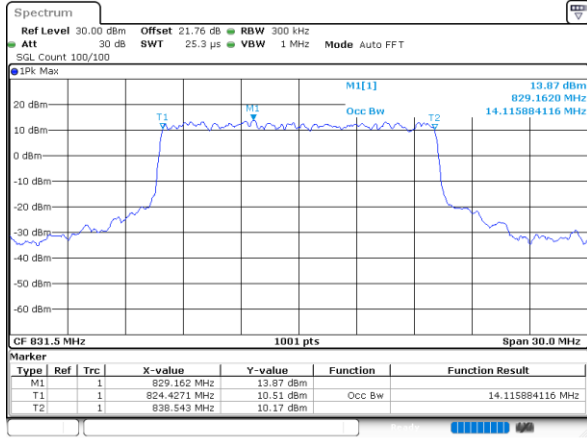
FR1 n5 / 15MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

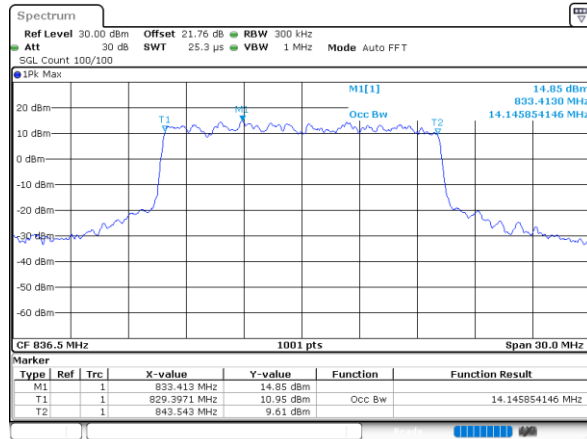
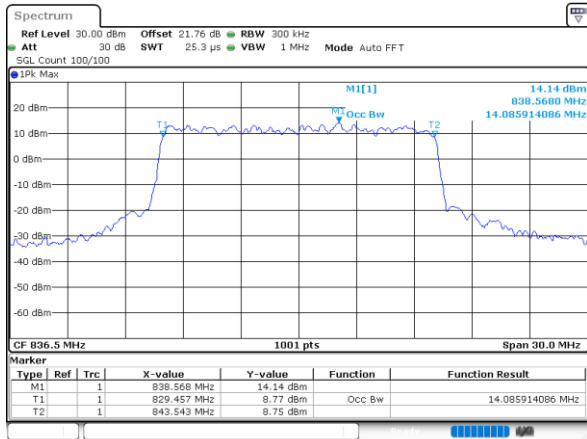


Date: 6 JUL 2020 14:10:17

Date: 6 JUL 2020 14:11:26

Middle Channel

Middle Channel

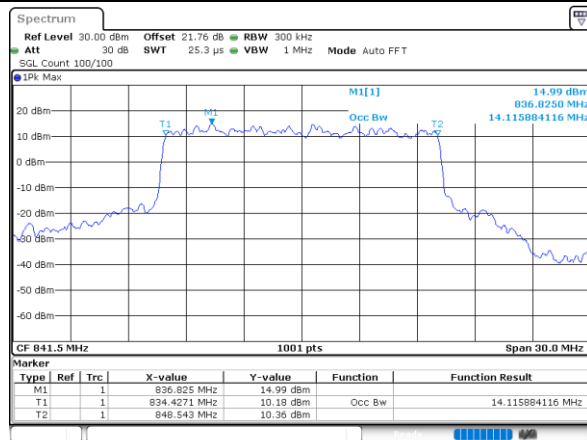
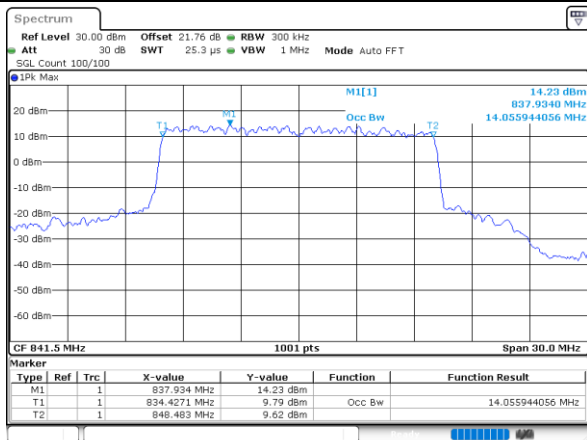


Date: 6 JUL 2020 14:13:13

Date: 6 JUL 2020 14:14:41

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:18:46

Date: 6 JUL 2020 15:19:30



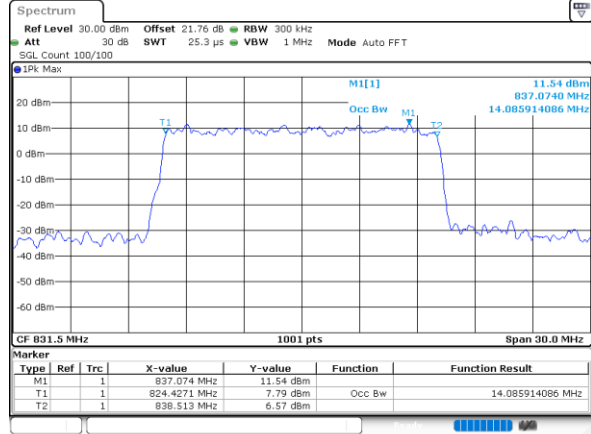
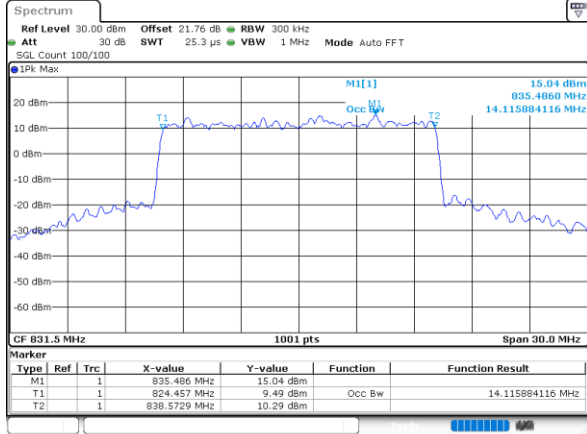
FR1 n5 / 15MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

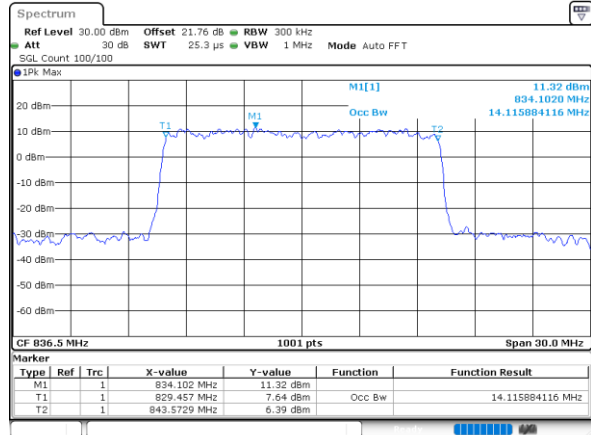
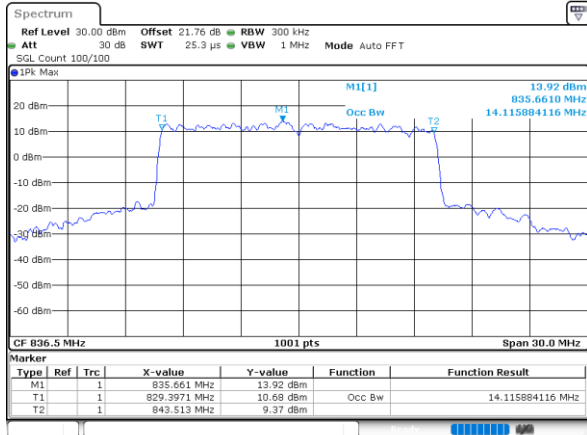


Date: 6 JUL 2020 14:12:25

Date: 6 JUL 2020 14:13:32

Middle Channel

Middle Channel

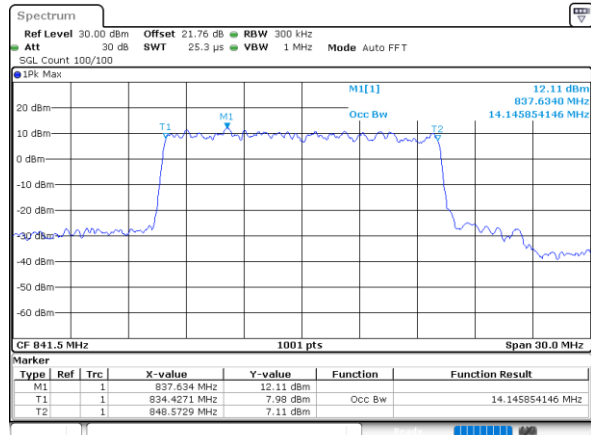
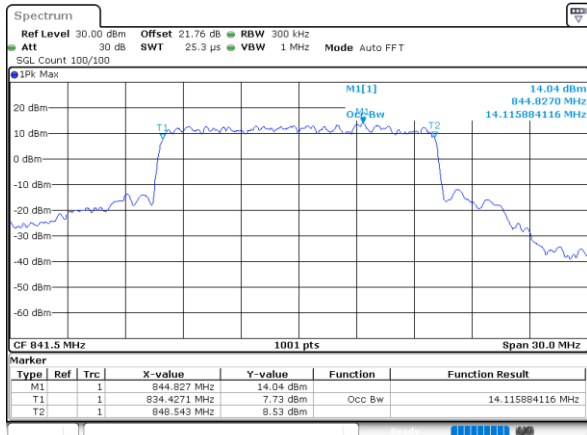


Date: 6 JUL 2020 14:15:27

Date: 6 JUL 2020 14:16:13

Highest Channel

Highest Channel



Date: 6 JUL 2020 15:20:15

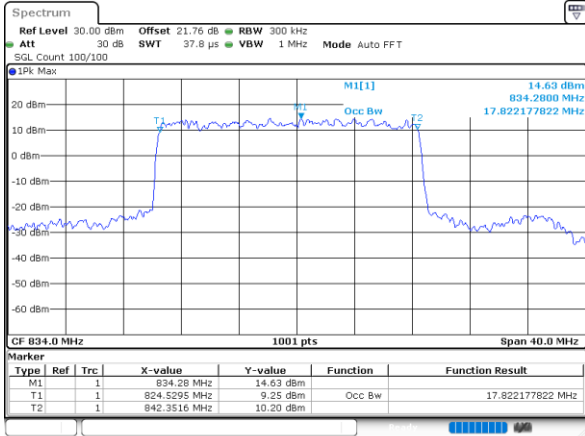
Date: 6 JUL 2020 15:21:01



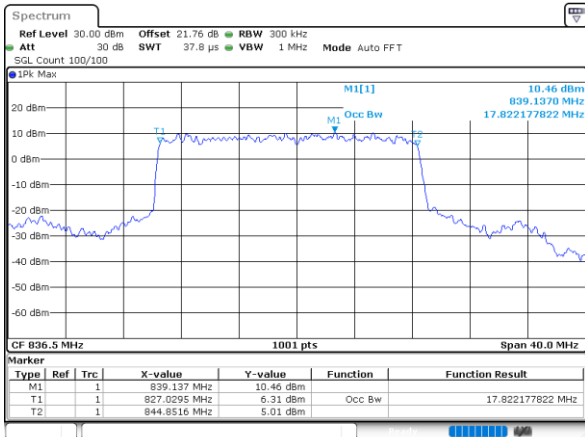
FR1 n5 / 20MHz / DFT-S OFDM

PI/2 BPSK

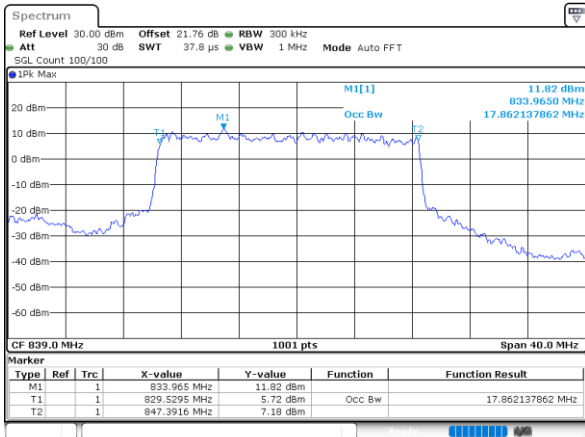
Lowest Channel



Middle Channel



Highest Channel





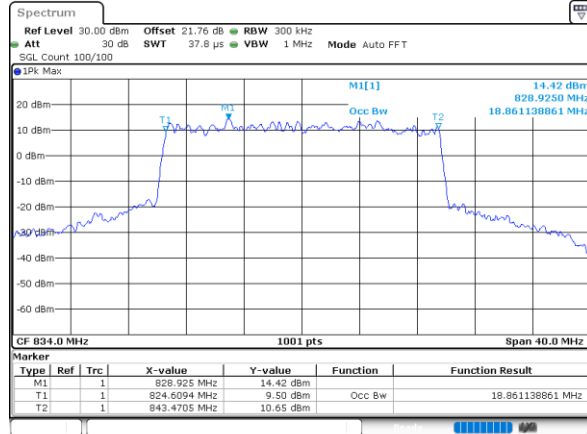
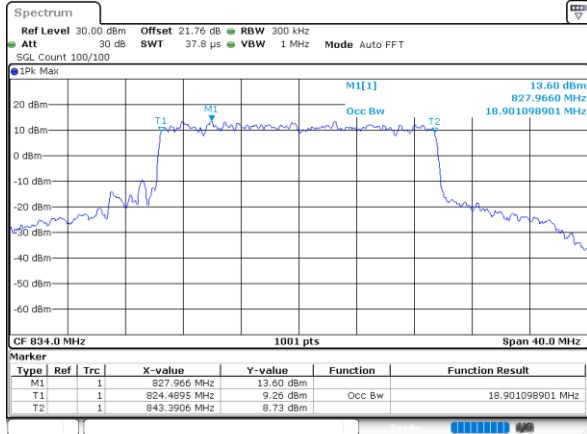
FR1 n5 / 20MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

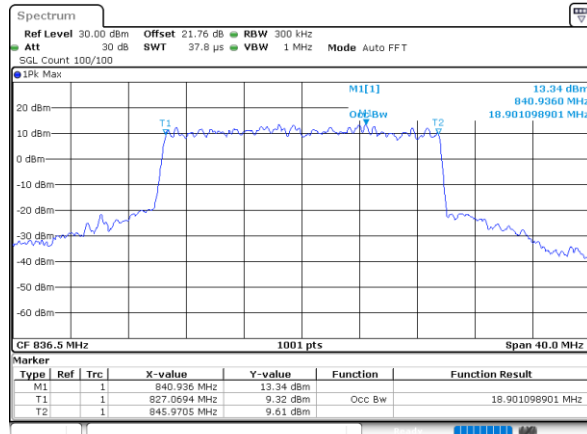
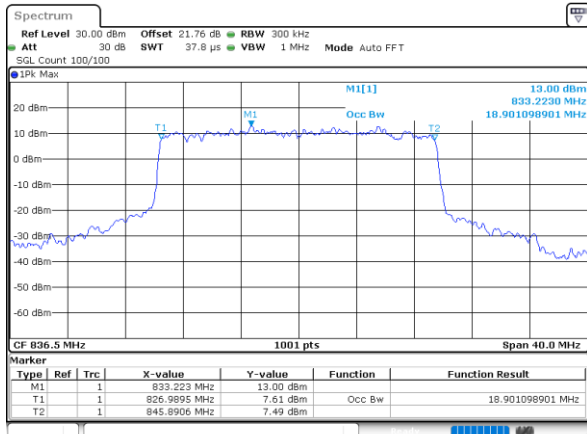


Date: 6.JUL.2020 14:16:42

Date: 6.JUL.2020 14:17:39

Middle Channel

Middle Channel

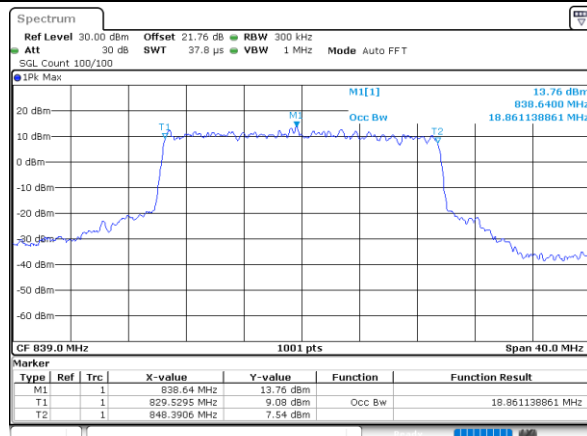
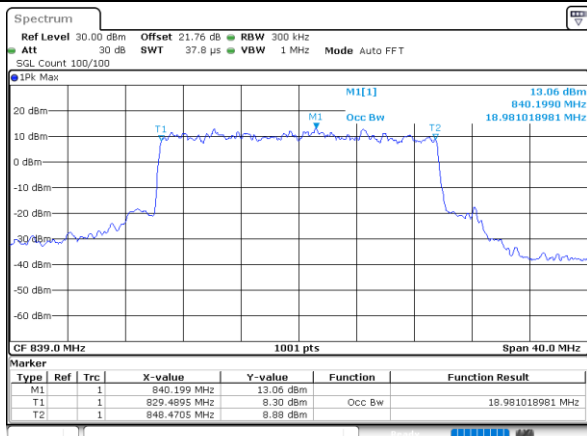


Date: 6.JUL.2020 14:18:53

Date: 6.JUL.2020 14:19:43

Highest Channel

Highest Channel



Date: 6.JUL.2020 15:23:59

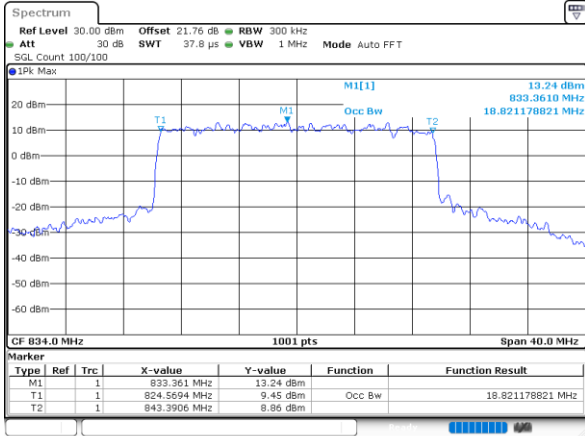
Date: 6.JUL.2020 15:25:24



FR1 n5 / 20MHz / CP OFDM

64QAM

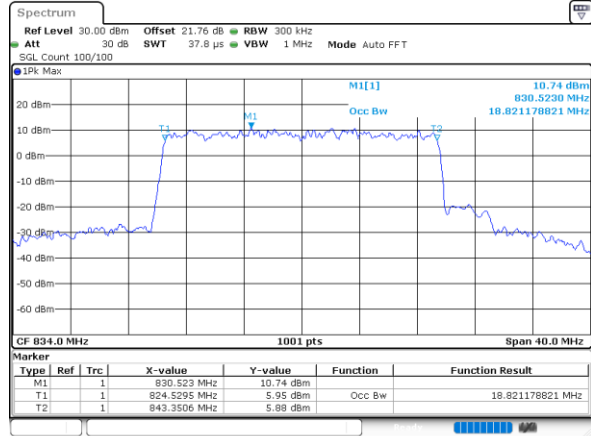
Lowest Channel



Date: 6 JUL 2020 14:18:27

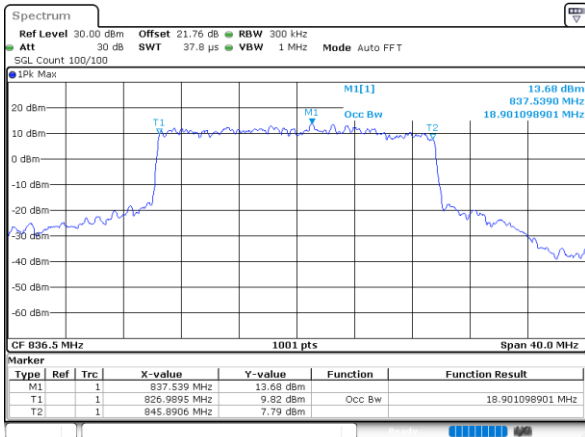
256QAM

Lowest Channel



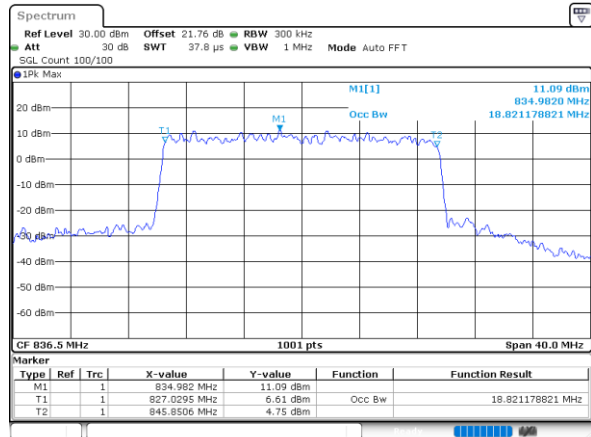
Date: 6 JUL 2020 14:19:18

Middle Channel



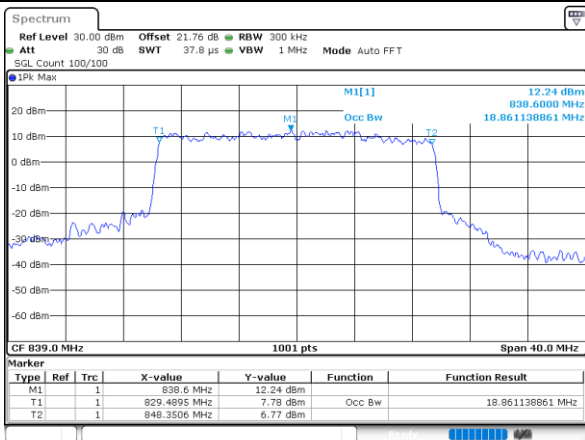
Date: 6 JUL 2020 14:18:24

Middle Channel



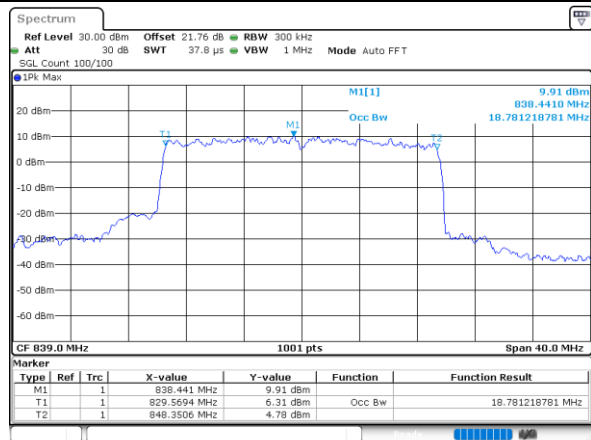
Date: 6 JUL 2020 14:41:38

Highest Channel



Date: 6 JUL 2020 15:26:06

Highest Channel



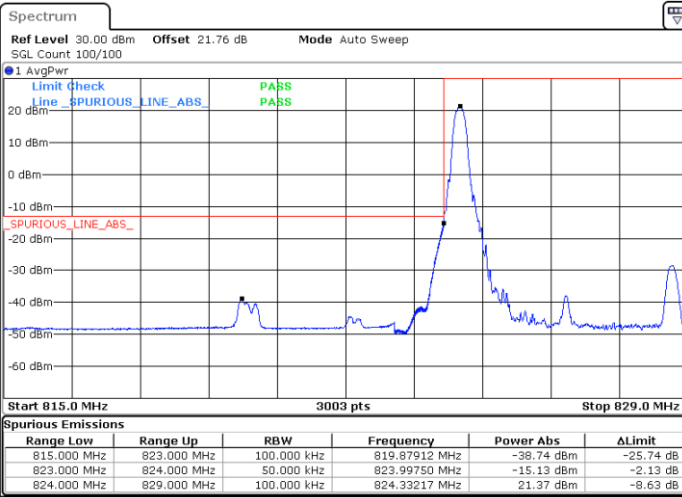
Date: 6 JUL 2020 15:26:46



Conducted Band Edge

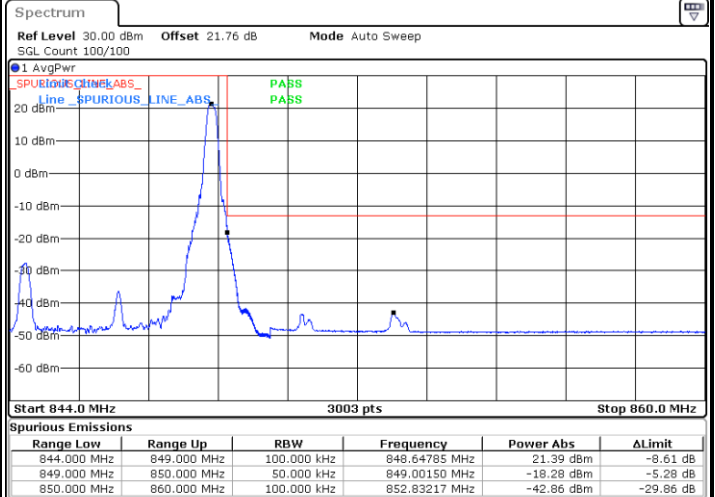
FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0



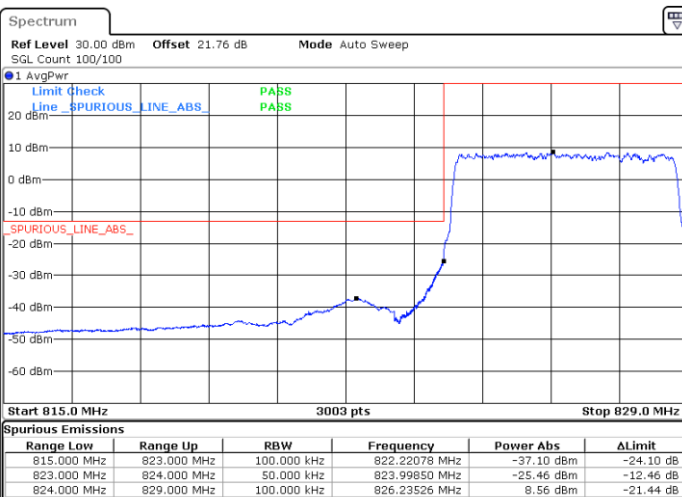
Date: 2.JUL.2020 15:56:22

Highest Band Edge / 1RBmax



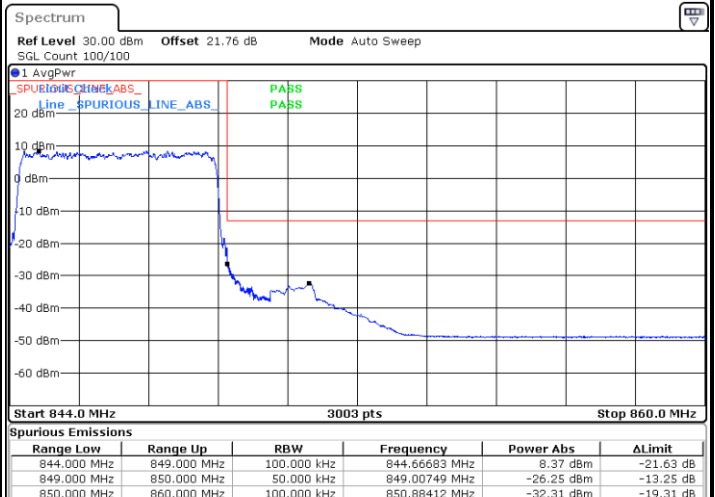
Date: 4.JUL.2020 11:57:58

Lowest Band Edge / Full RB



Date: 2.JUL.2020 15:41:42

Highest Band Edge / Full RB



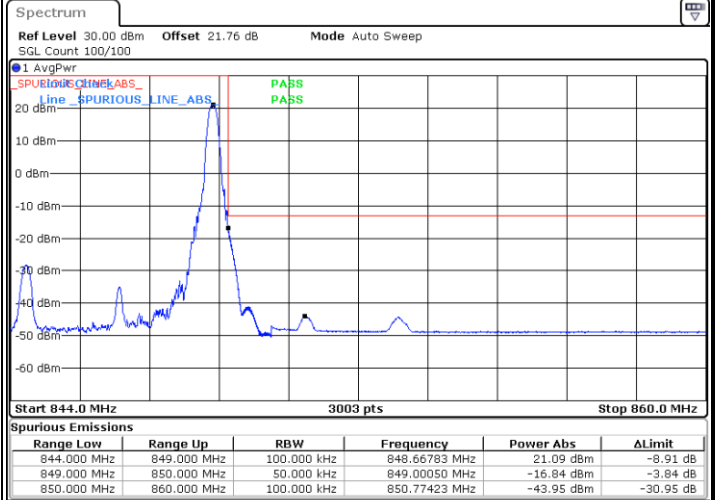
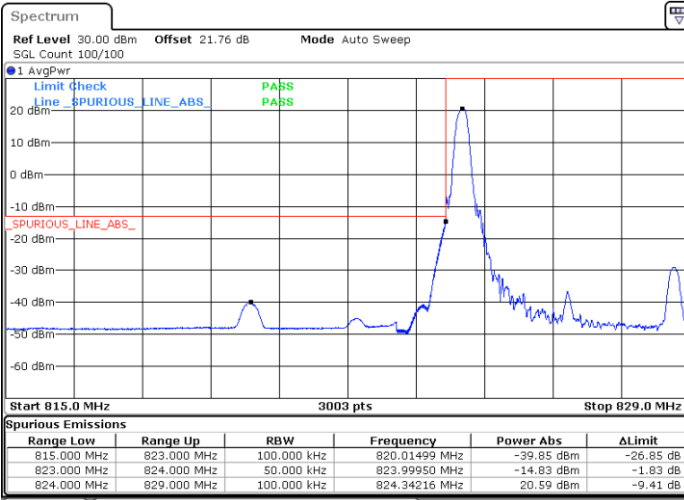
Date: 4.JUL.2020 12:01:56



FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

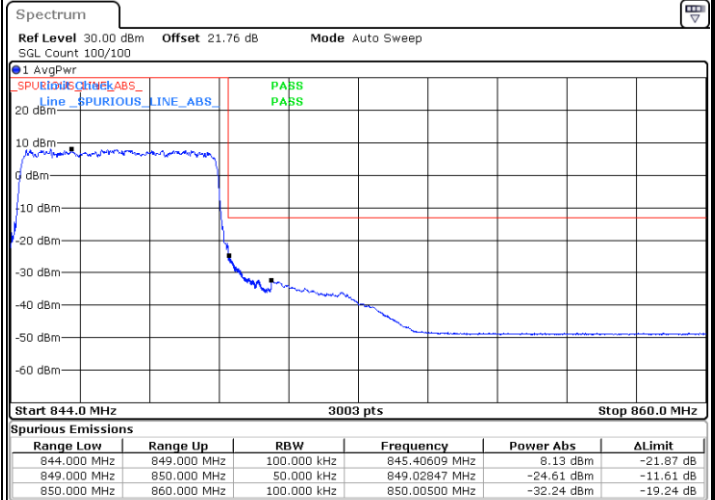
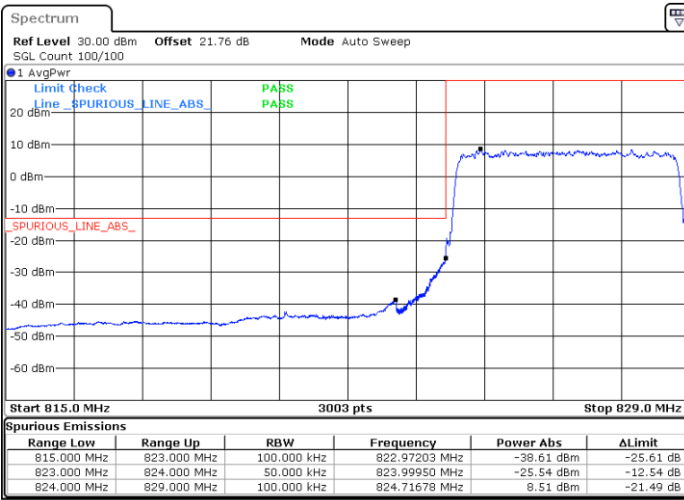


Date: 2.JUL.2020 15:48:33

Date: 4.JUL.2020 11:59:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.JUL.2020 15:46:44

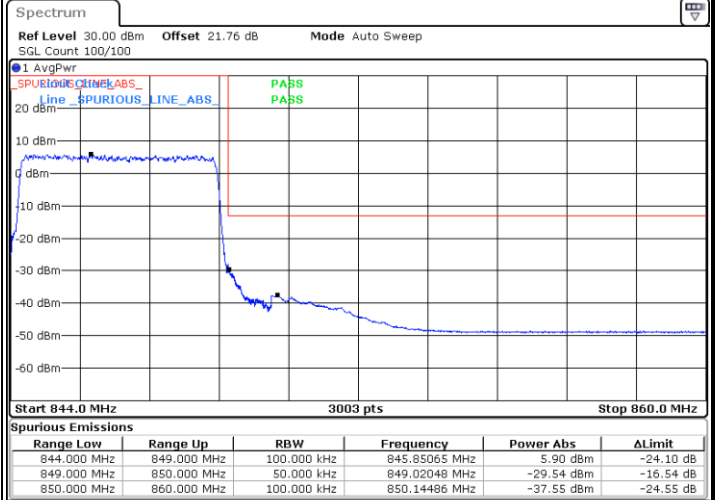
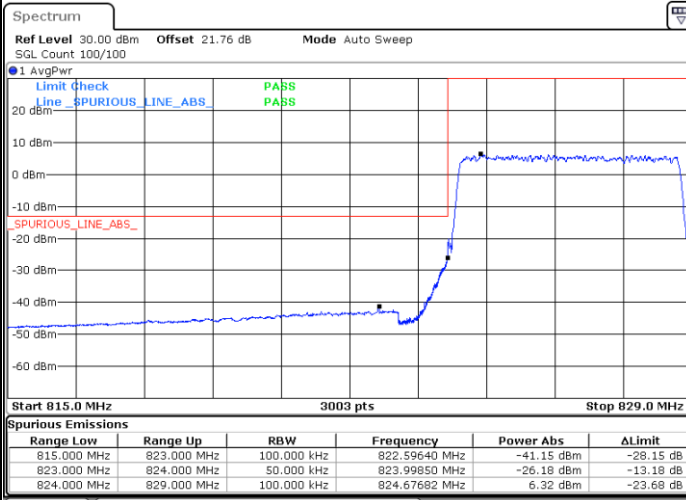
Date: 4.JUL.2020 12:00:40



FR1 n5 / 5MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.JUL.2020 15:39:26

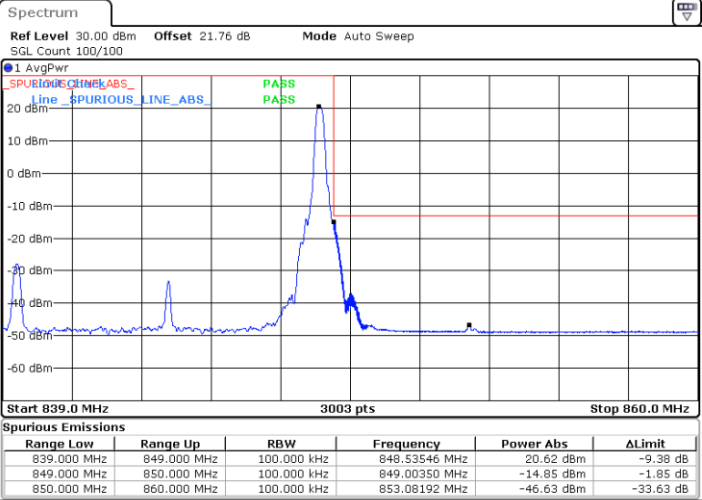
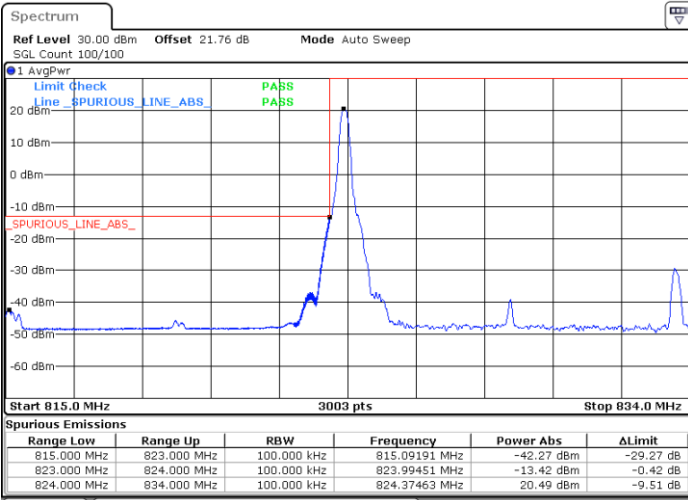
Date: 4.JUL.2020 11:54:39



FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

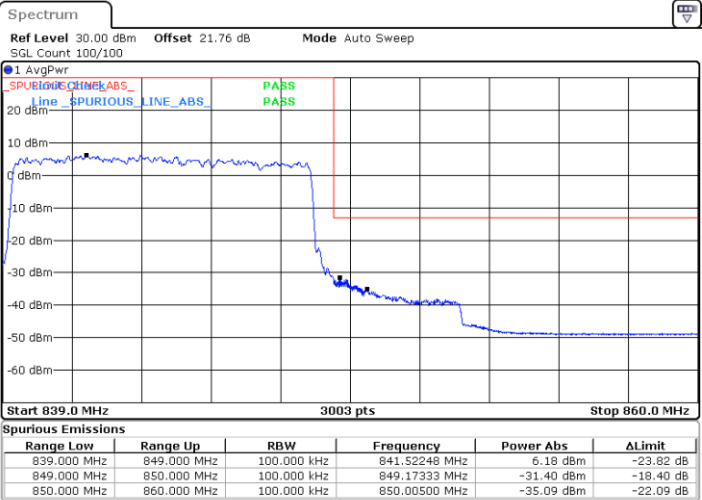
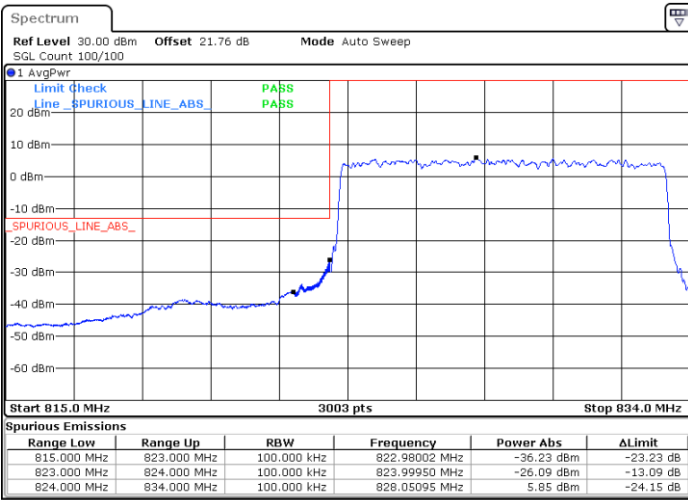


Date: 2.JUL.2020 16:19:25

Date: 4.JUL.2020 12:37:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.JUL.2020 16:00:52

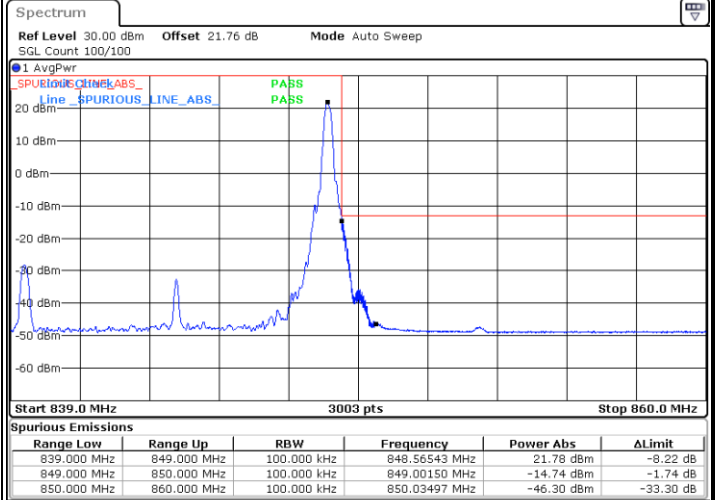
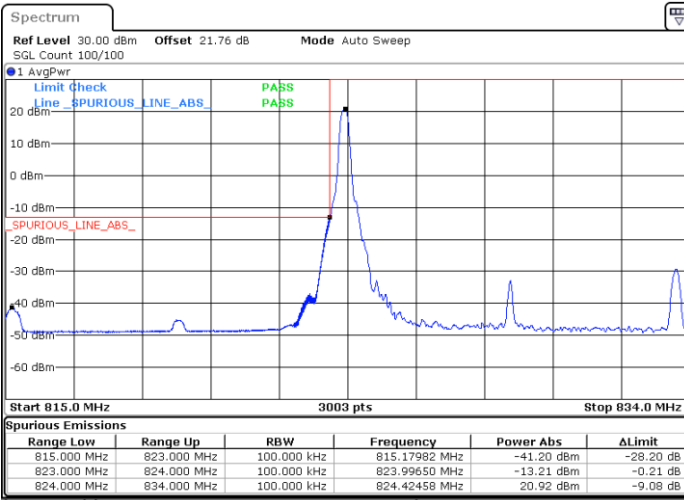
Date: 4.JUL.2020 12:40:19



FR1 n5 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

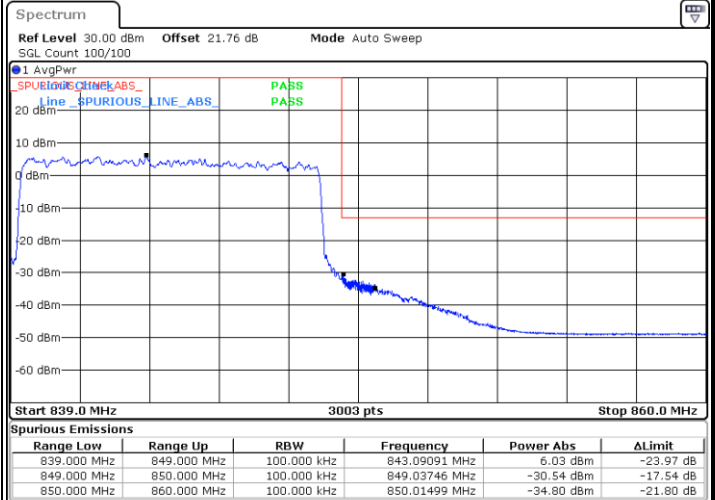
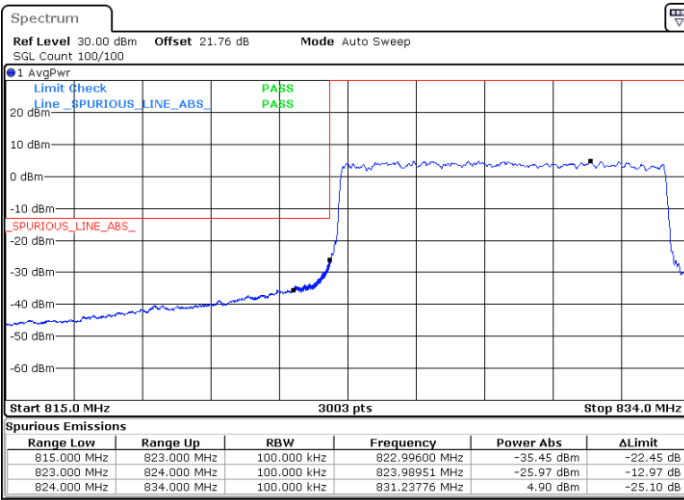


Date: 10. JUL. 2020 15:44:33

Date: 4. JUL. 2020 12:38:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2. JUL. 2020 16:01:55

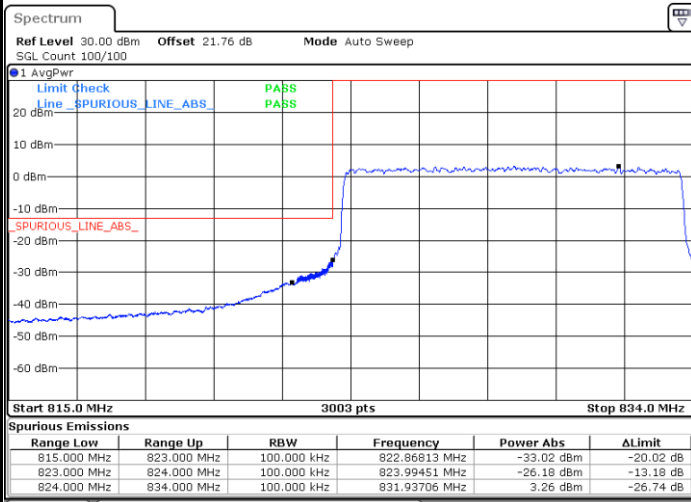
Date: 4. JUL. 2020 12:41:32



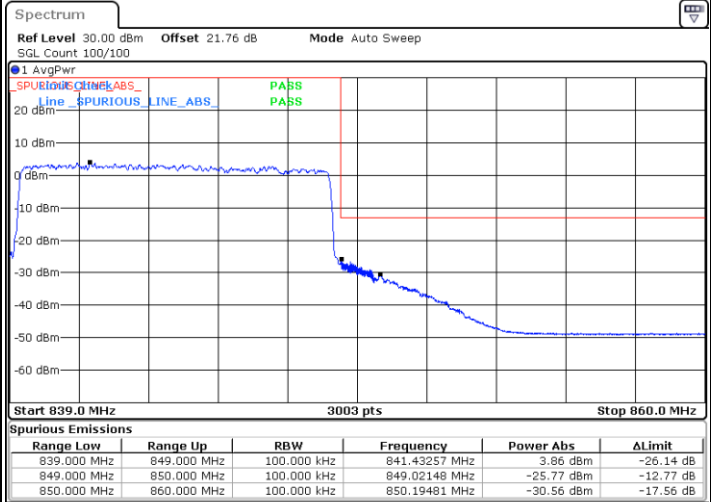
FR1 n5 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.JUL.2020 15:59:15



Date: 4.JUL.2020 12:33:39