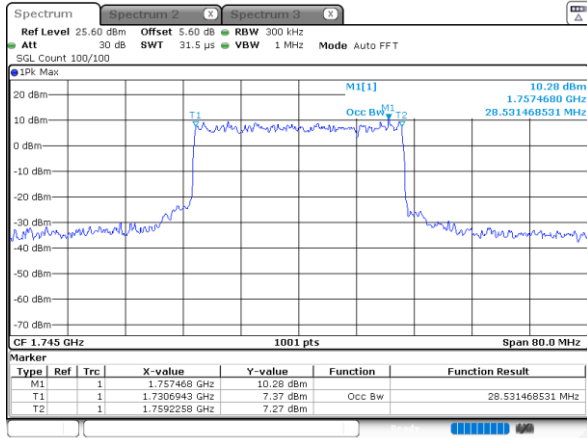


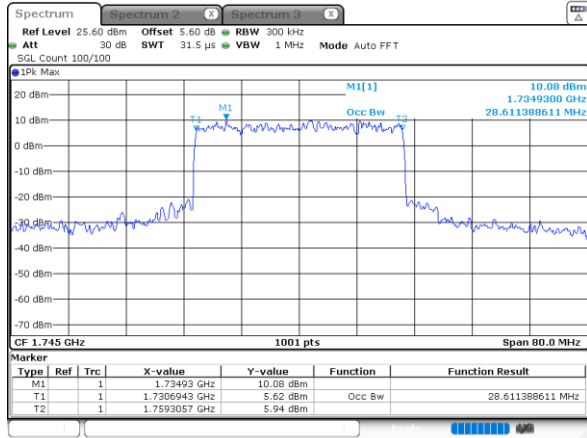


FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

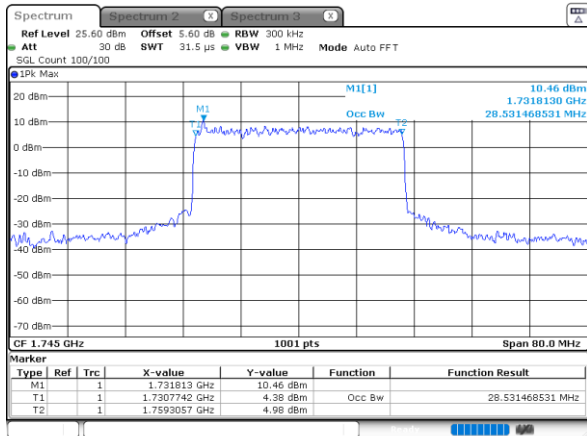
QPSK



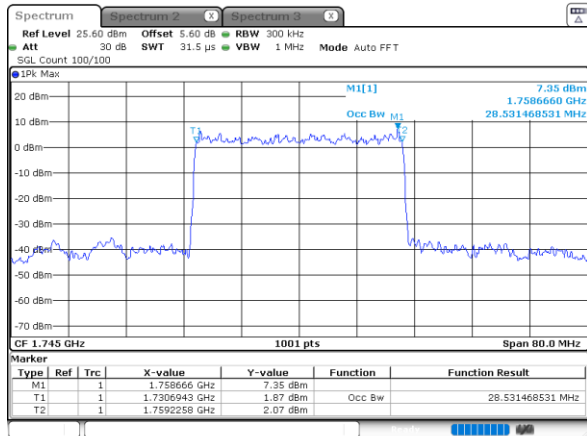
16QAM



64QAM



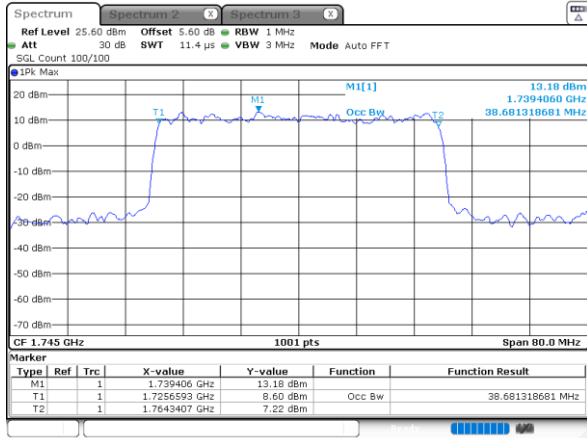
256QAM





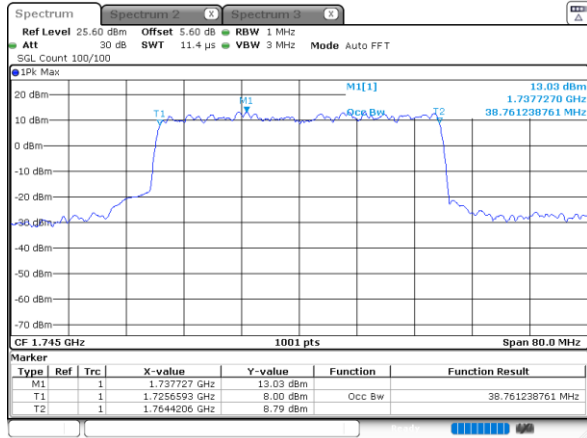
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



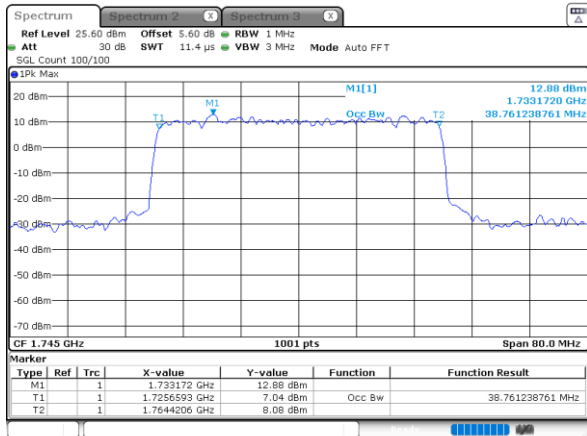
Date: 8.NOV.2022 12:24:07

16QAM



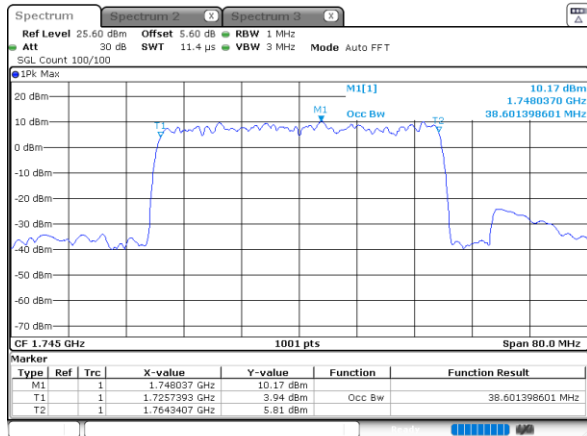
Date: 8.NOV.2022 12:42:21

64QAM



Date: 8.NOV.2022 12:42:45

256QAM



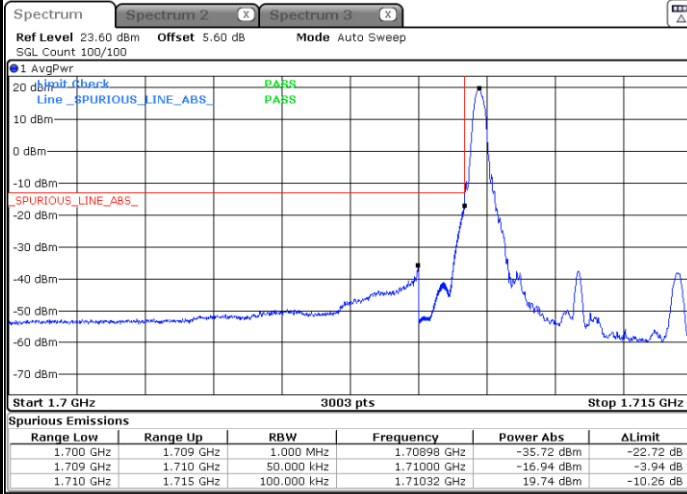
Date: 8.NOV.2022 12:43:32



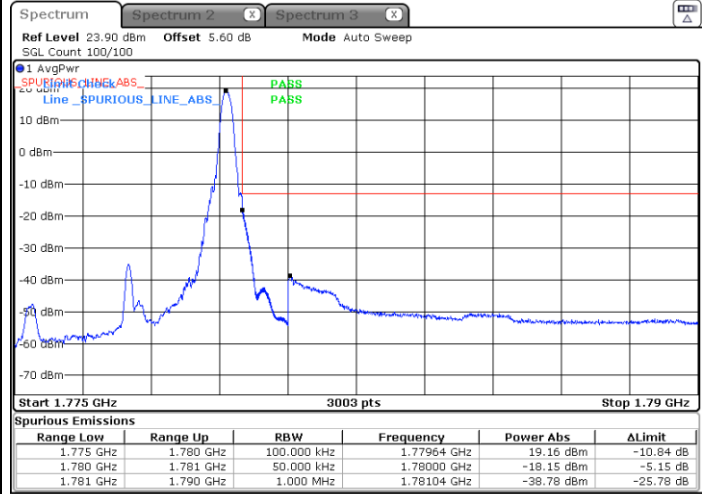
Conducted Band Edge

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

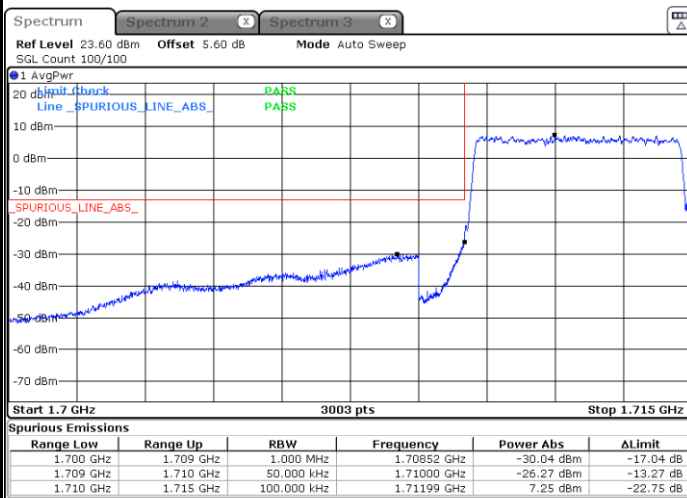
Lowest Band Edge / 1RB0



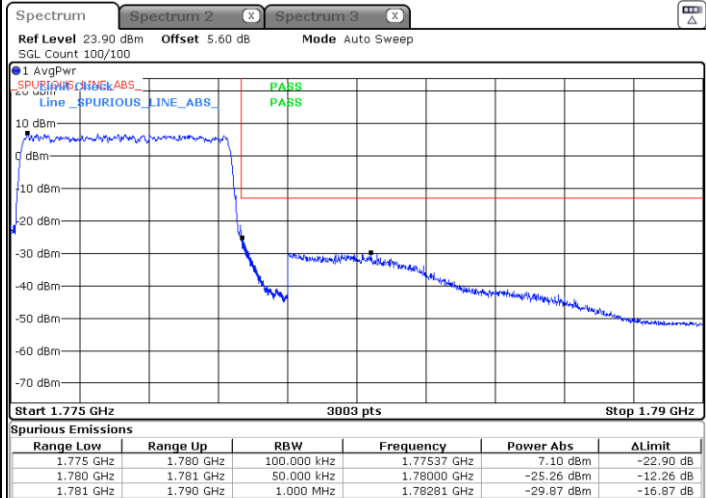
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

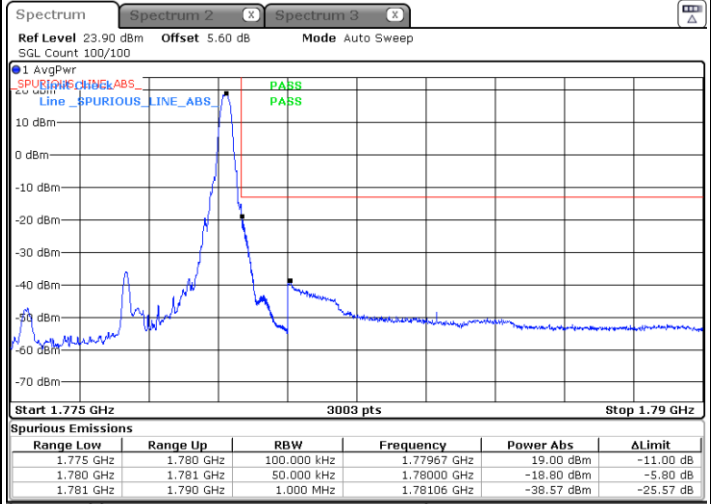
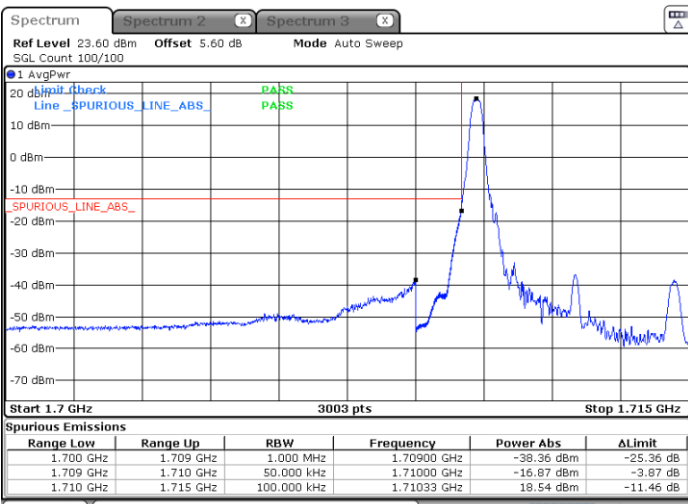




FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

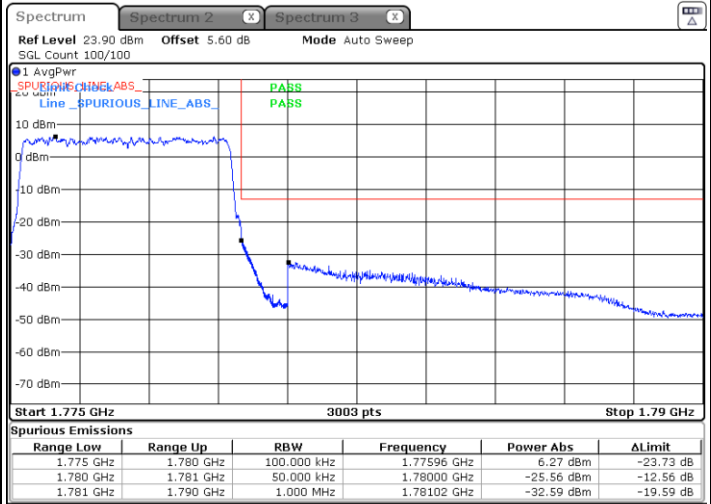
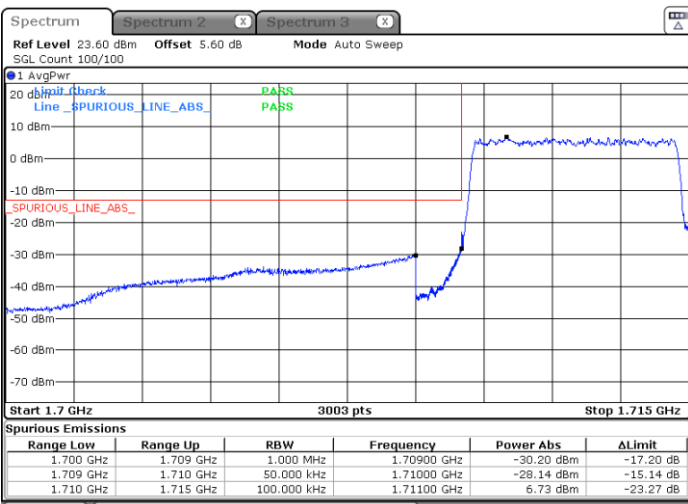


Date: 8.NOV.2022 14:01:26

Date: 8.NOV.2022 14:11:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 14:05:01

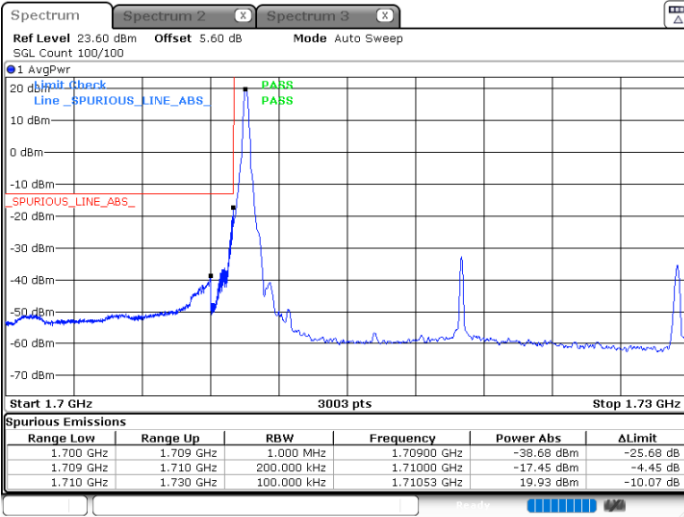
Date: 8.NOV.2022 14:09:37



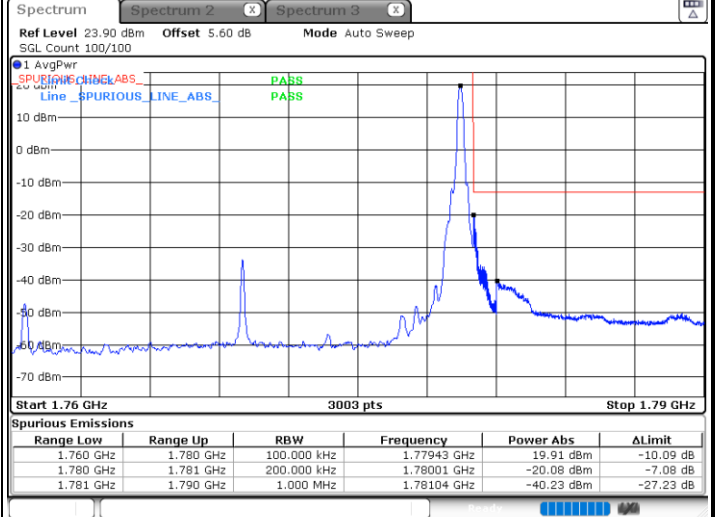
FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



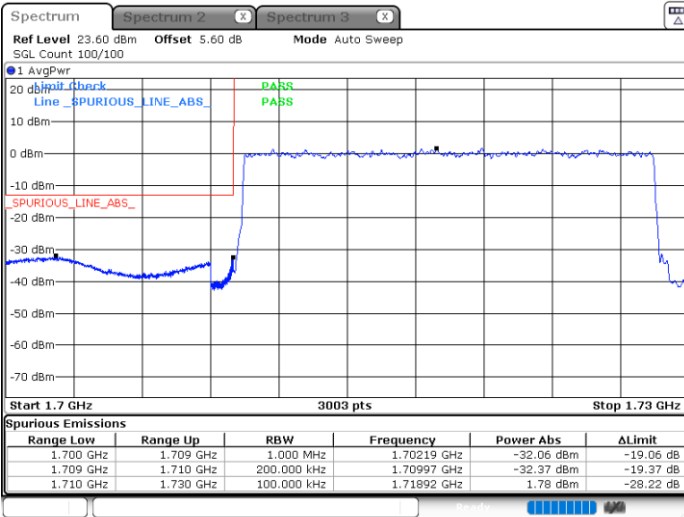
Date: 8.NOV.2022 13:31:34



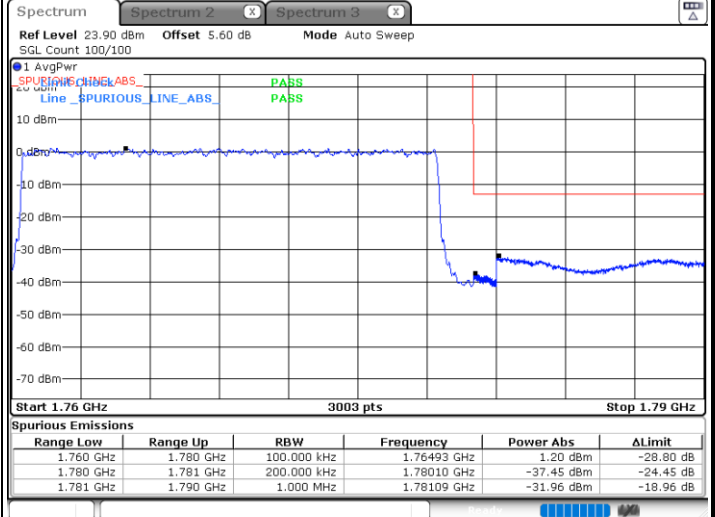
Date: 8.NOV.2022 13:41:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 13:34:01



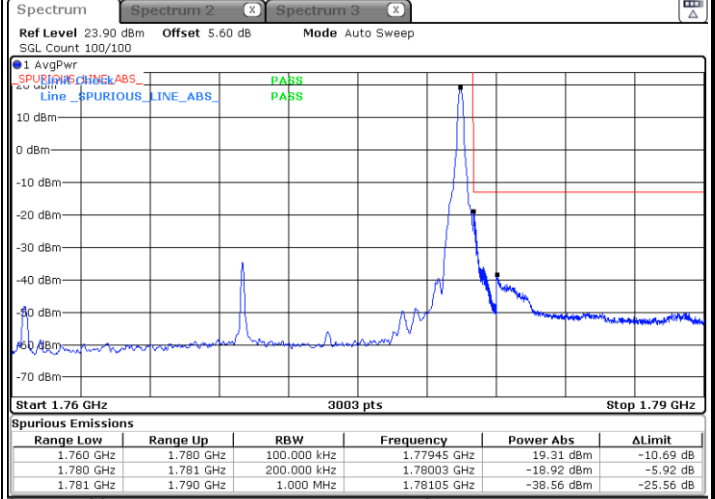
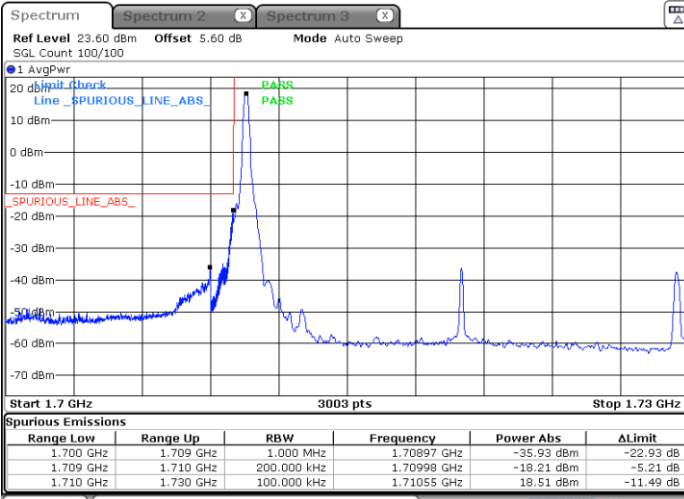
Date: 8.NOV.2022 13:37:16



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

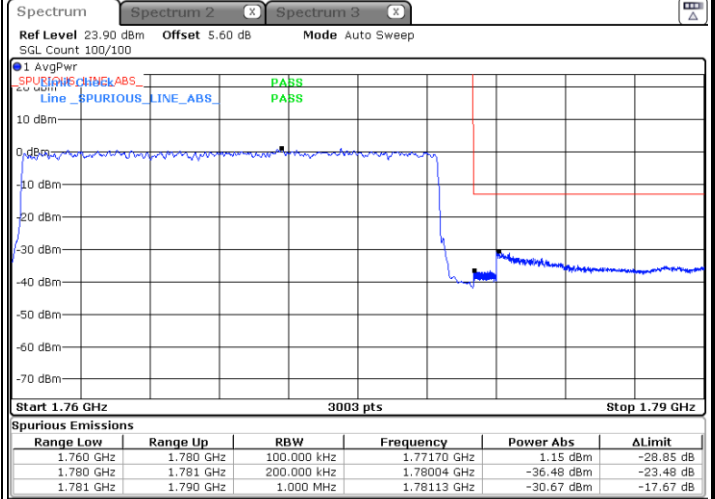
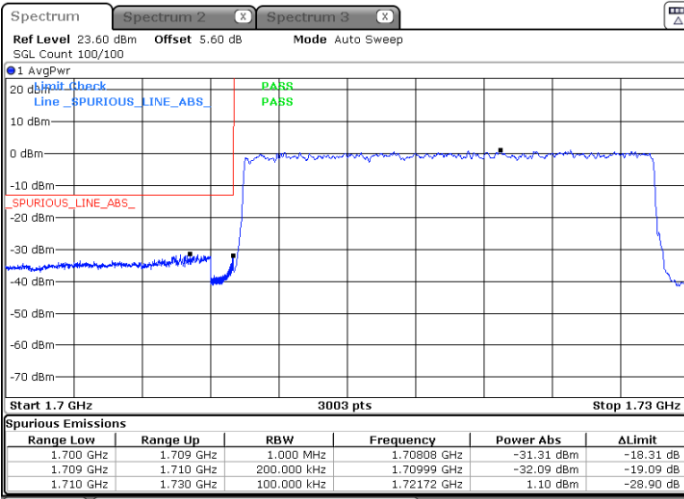
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

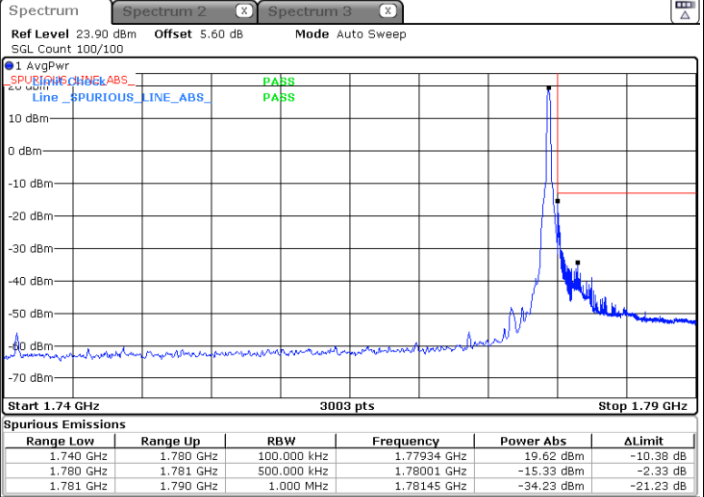
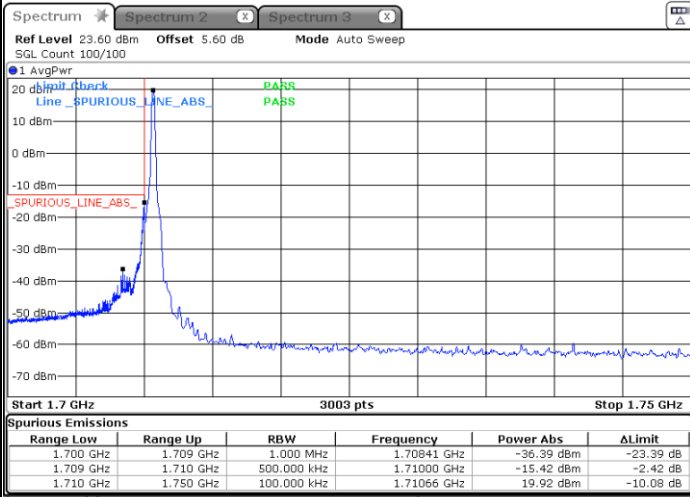




FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

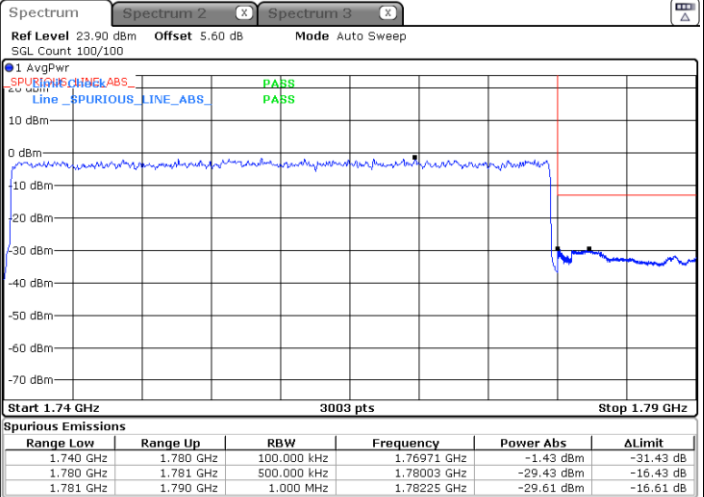
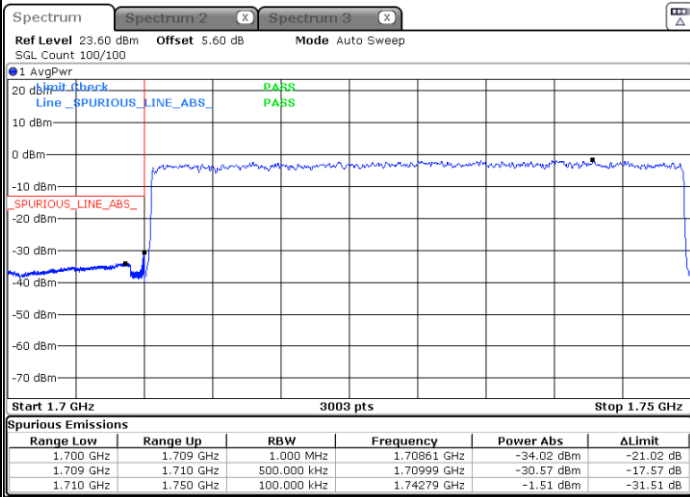


Date: 8.NOV.2022 12:45:41

Date: 8.NOV.2022 12:57:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 12:53:07

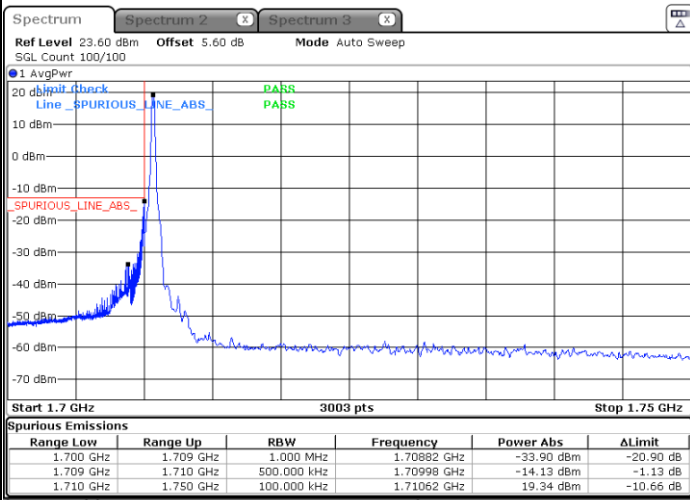
Date: 8.NOV.2022 12:54:15



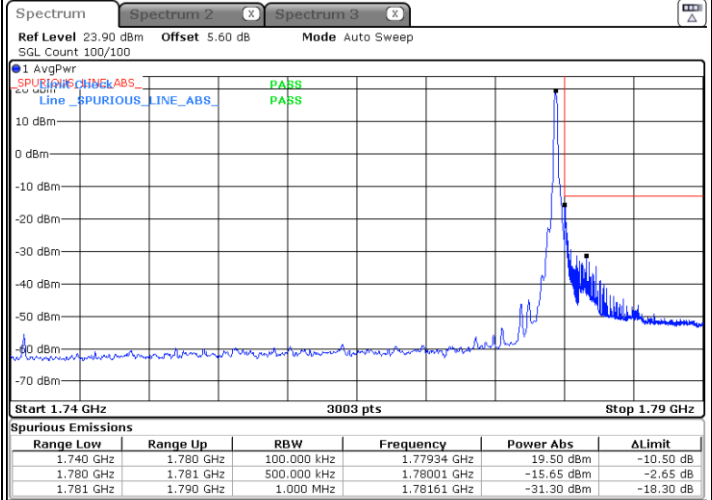
FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



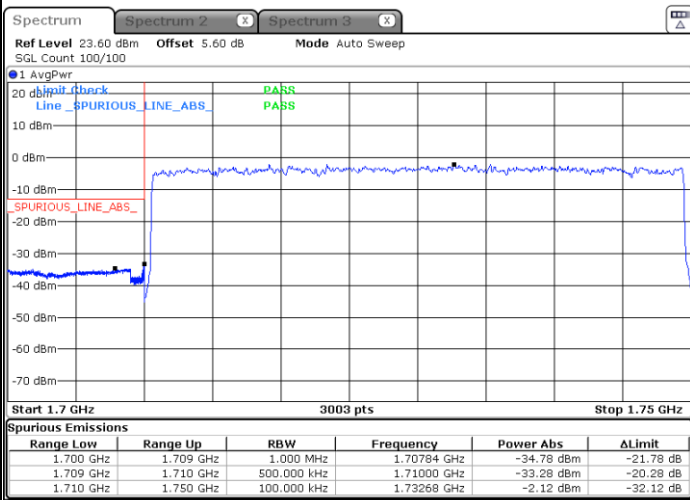
Date: 8.NOV.2022 12:45:56



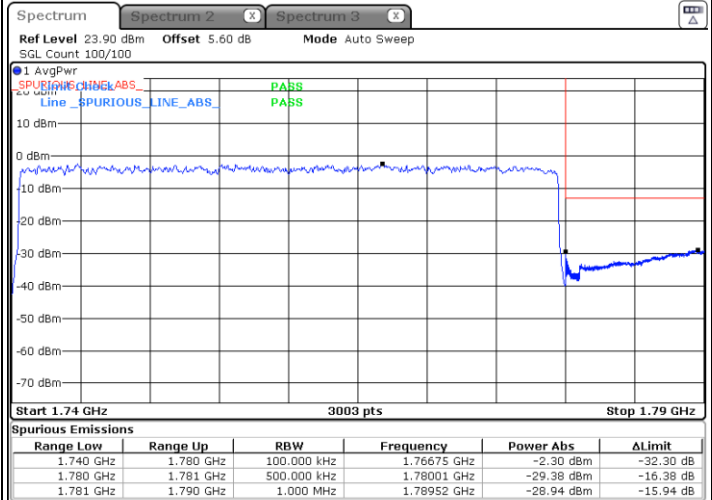
Date: 8.NOV.2022 12:56:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



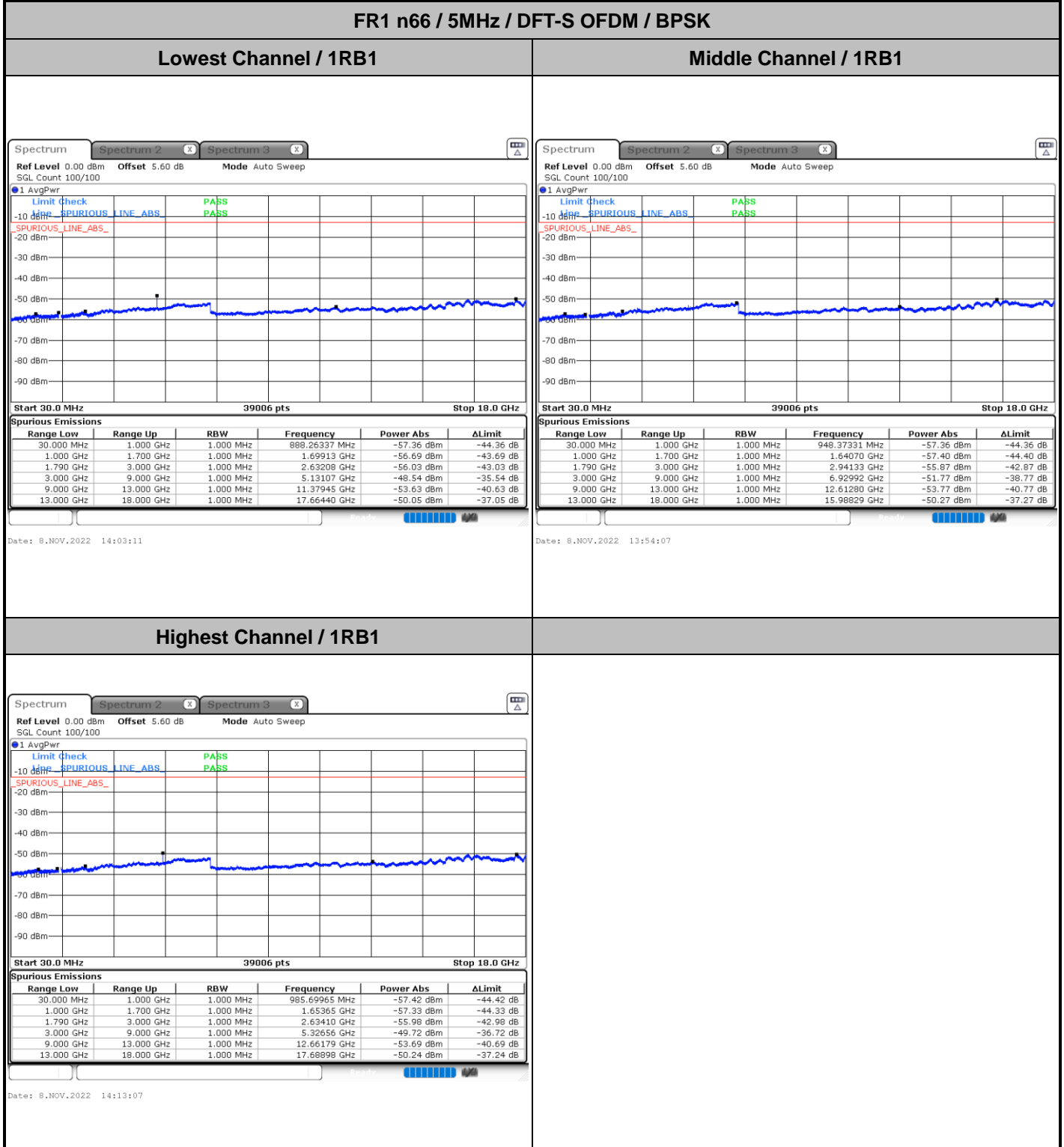
Date: 8.NOV.2022 12:51:38



Date: 8.NOV.2022 12:55:30



Conducted Spurious Emission

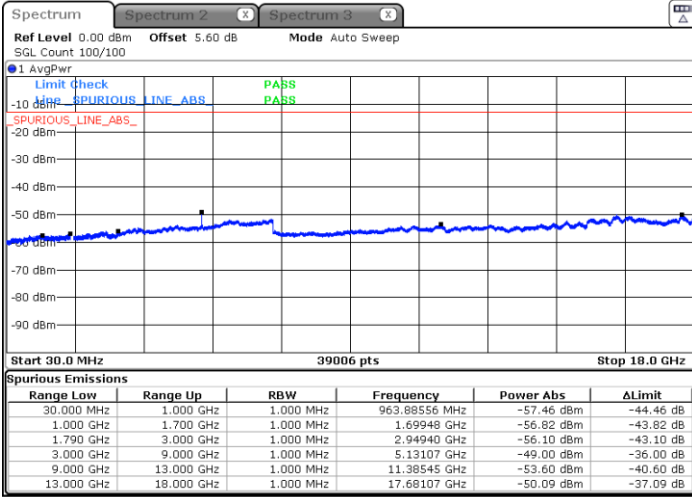




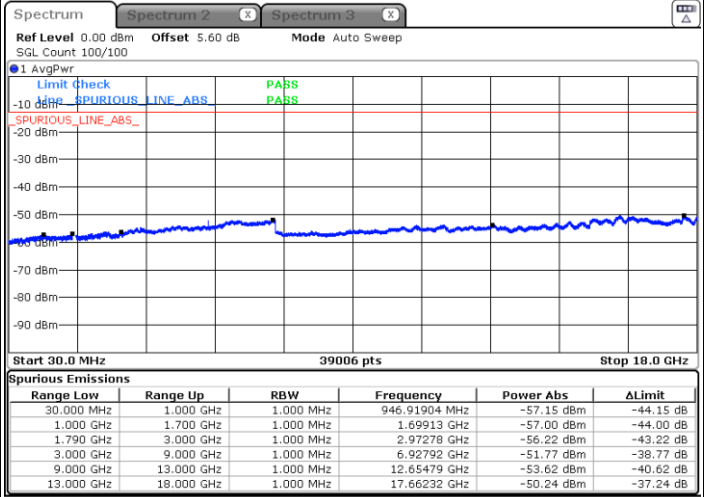
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

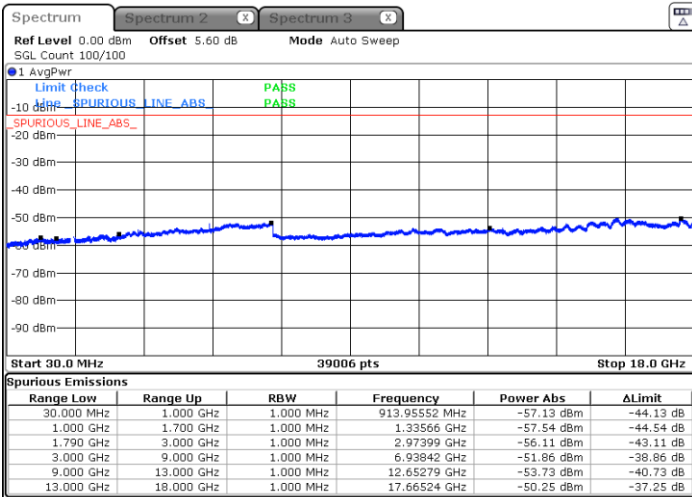


Date: 8.NOV.2022 14:02:28



Date: 8.NOV.2022 13:56:45

Highest Channel / 1RB1



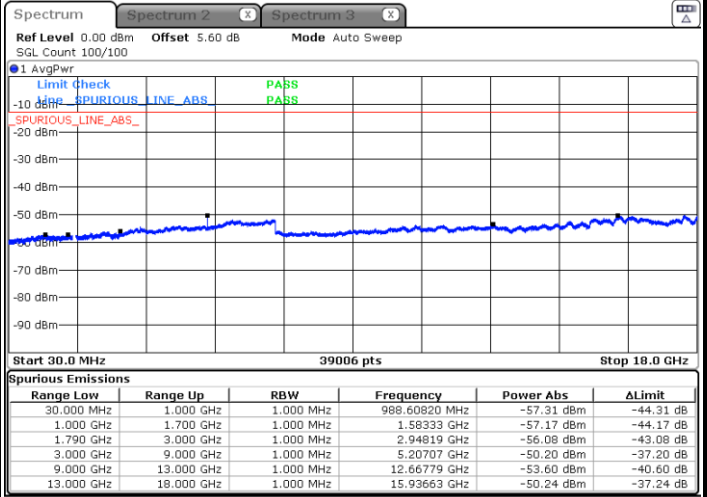
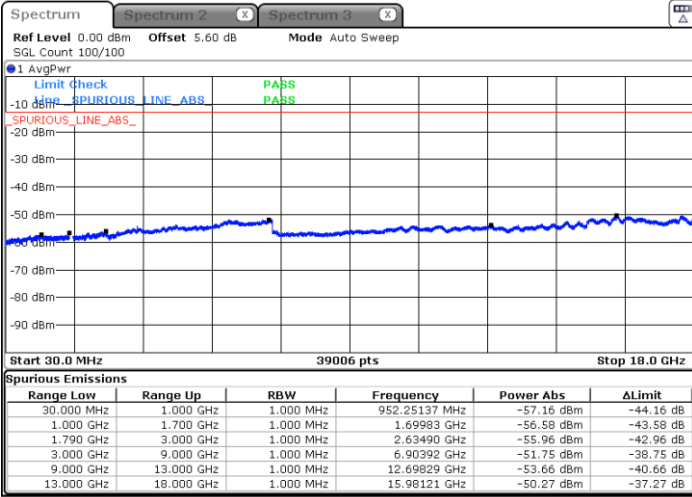
Date: 8.NOV.2022 14:14:18



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

Lowest Channel / 1RB1

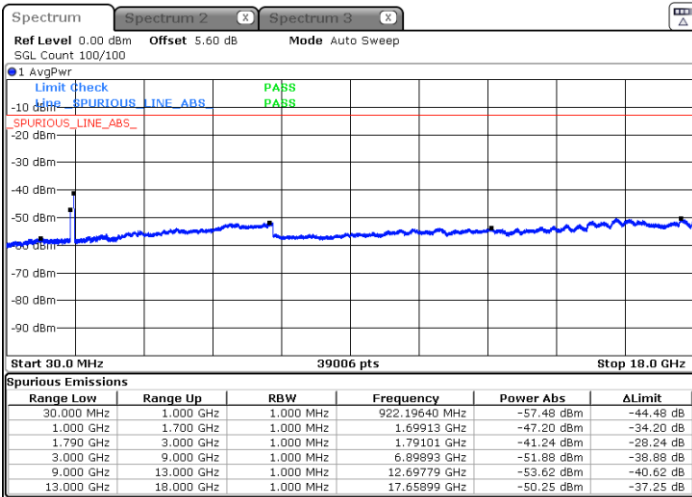
Middle Channel / 1RB1



Date: 8.NOV.2022 13:28:54

Date: 8.NOV.2022 13:24:23

Highest Channel / 1RB1



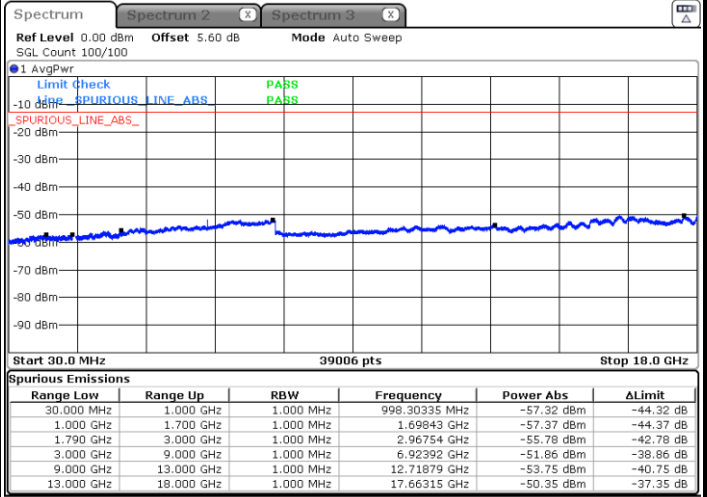
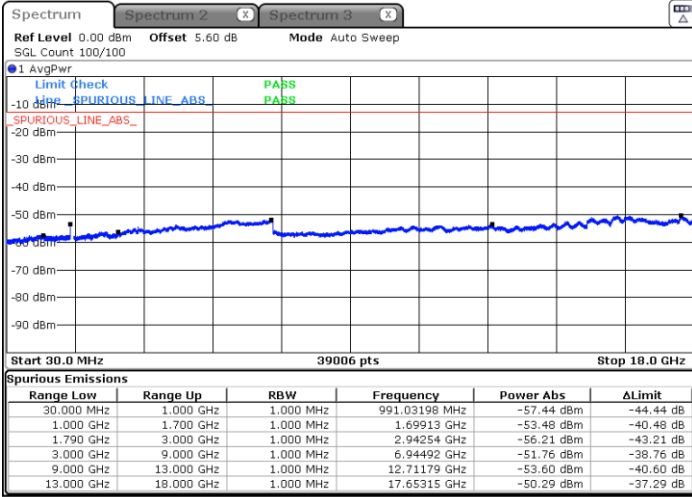
Date: 8.NOV.2022 13:34:57



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

Lowest Channel / 1RB1

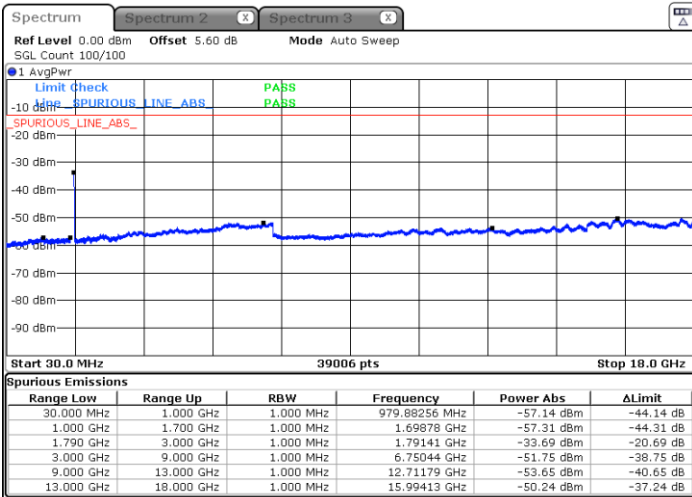
Middle Channel / 1RB1



Date: 8.NOV.2022 13:27:24

Date: 8.NOV.2022 13:25:57

Highest Channel / 1RB1



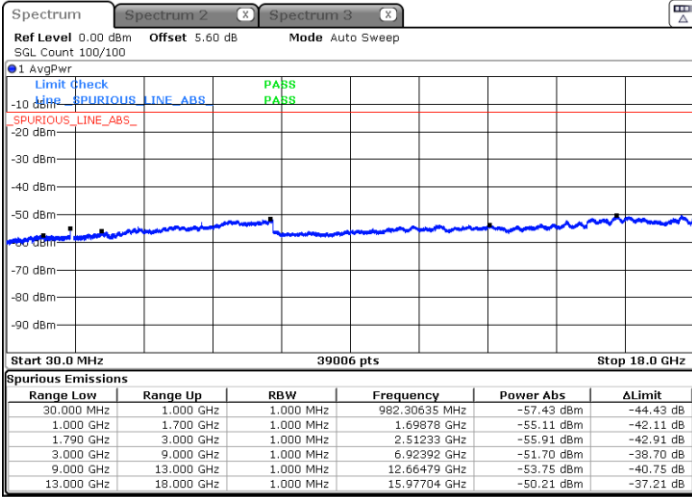
Date: 8.NOV.2022 13:36:19



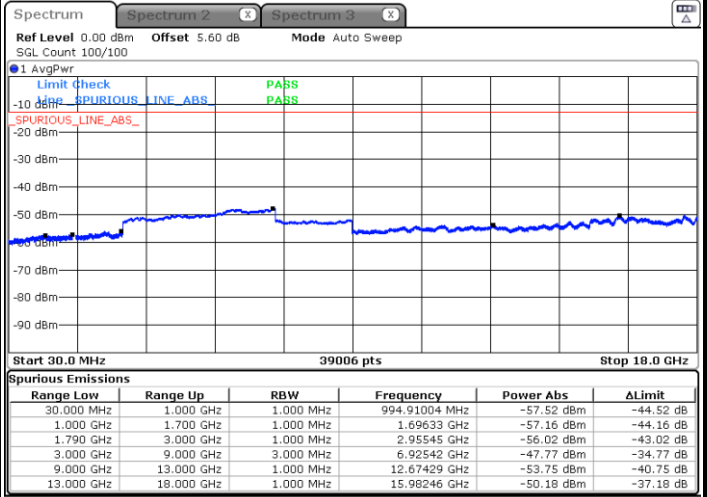
FR1 n66 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

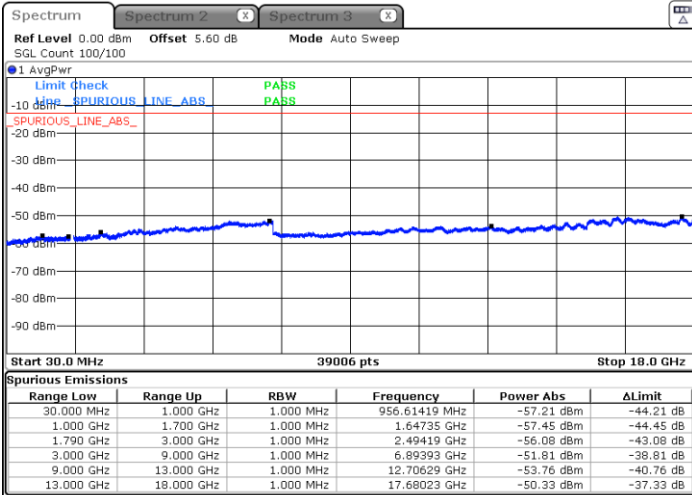


Date: 8.NOV.2022 12:51:02



Date: 8.NOV.2022 11:30:15

Highest Channel / 1RB1



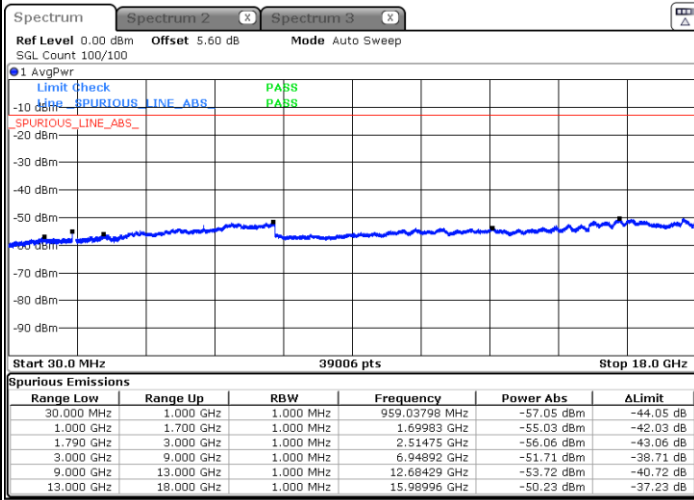
Date: 8.NOV.2022 12:58:47



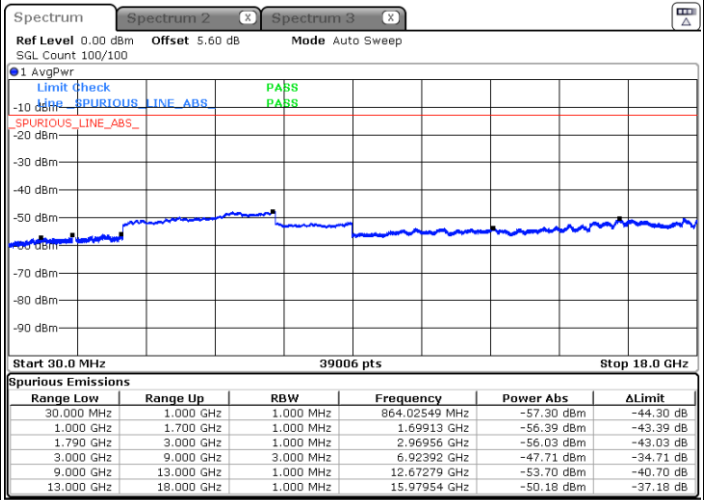
FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

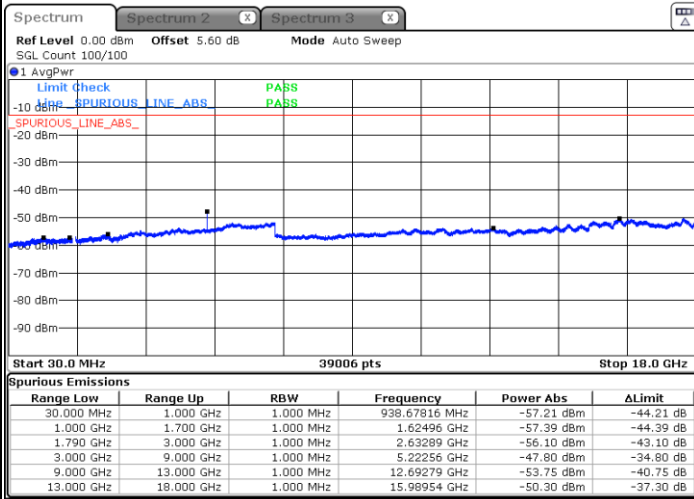


Date: 8.NOV.2022 12:49:41



Date: 8.NOV.2022 11:31:46

Highest Channel / 1RB1



Date: 8.NOV.2022 13:00:27



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

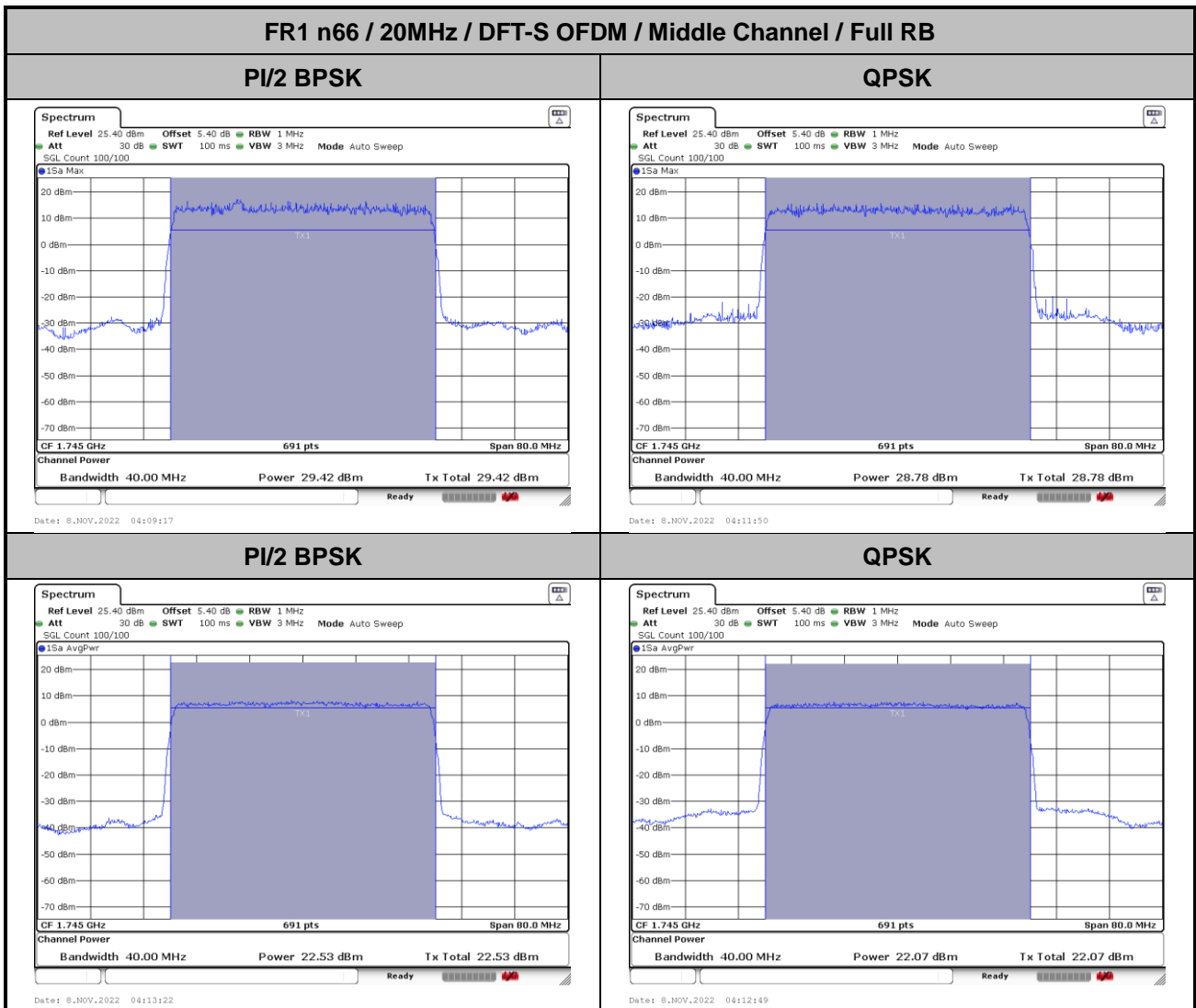
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n66(other PA)

Peak-to-Average Ratio

Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	6.89	6.71			PASS





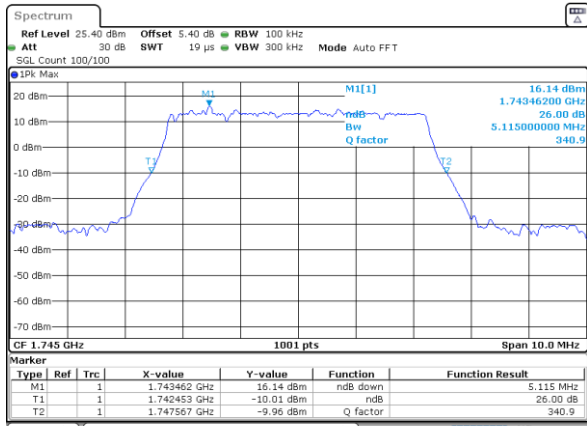
26dB Bandwidth

Mode	FR1 n66 : 26dBW (MHz) / CP OFDM					
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Middle CH	5.12	9.85	14.33	18.82	29.55	40.92
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM
Middle CH	5.12	9.85	14.27	18.78	29.43	41.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Middle CH	5.21	9.81	14.39	18.74	29.55	41.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Middle CH	5.08	10.09	14.57	18.78	29.55	41.08



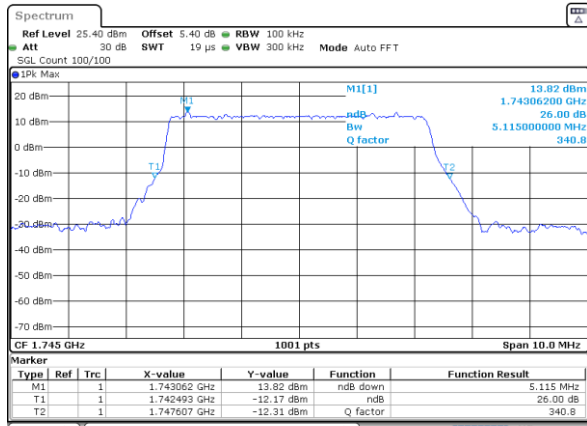
FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



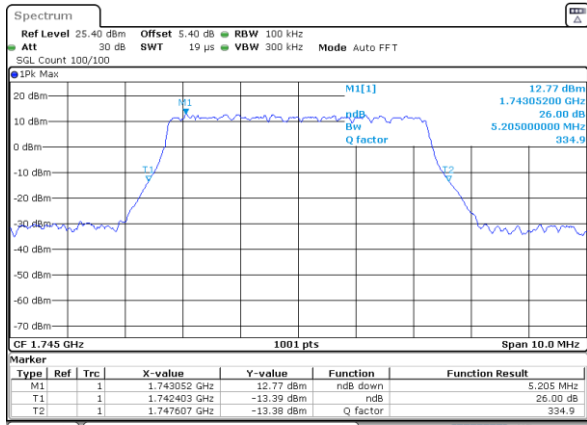
Date: 8,NOV,2022 02:46:52

16QAM



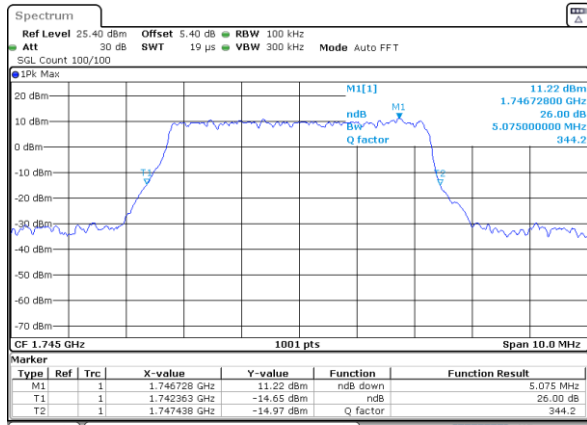
Date: 8,NOV,2022 02:47:10

64QAM



Date: 8,NOV,2022 02:47:26

256QAM

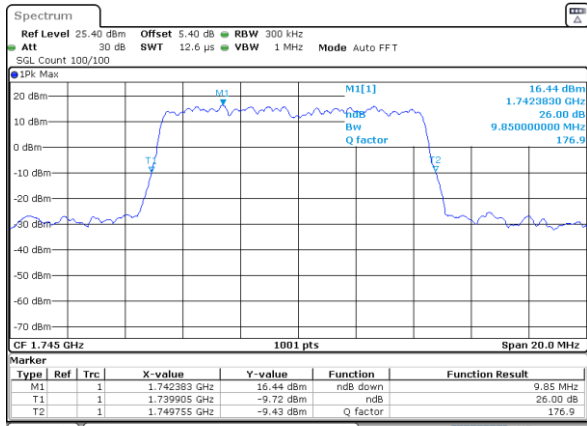


Date: 8,NOV,2022 02:47:49



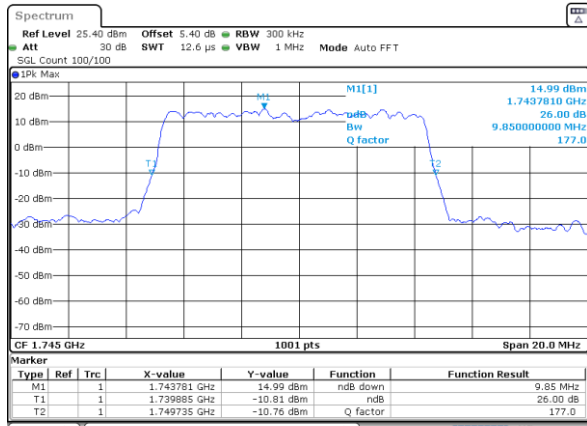
FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



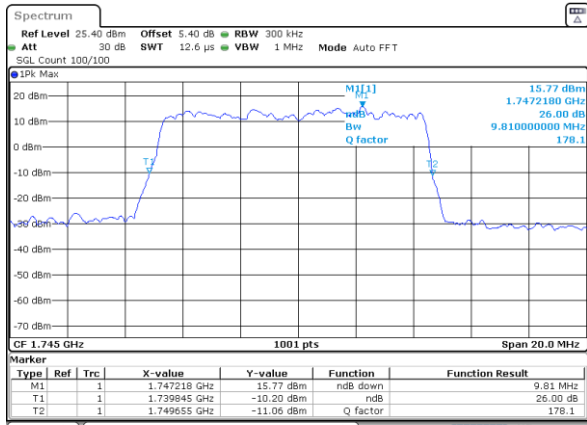
Date: 8,NOV,2022 02:57:27

16QAM



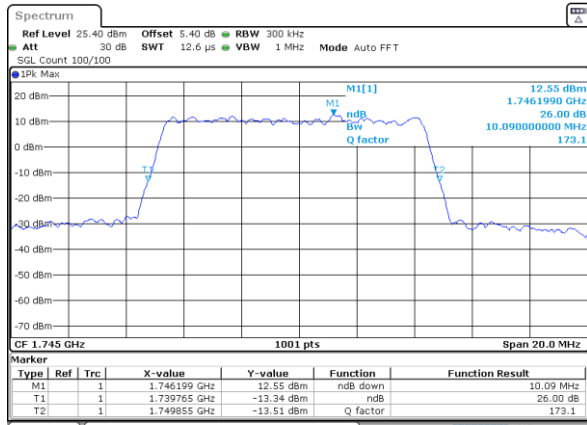
Date: 8,NOV,2022 02:57:43

64QAM



Date: 8,NOV,2022 02:58:01

256QAM

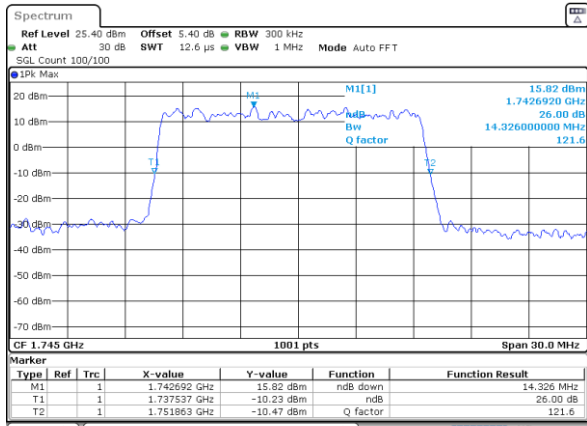


Date: 8,NOV,2022 02:58:19



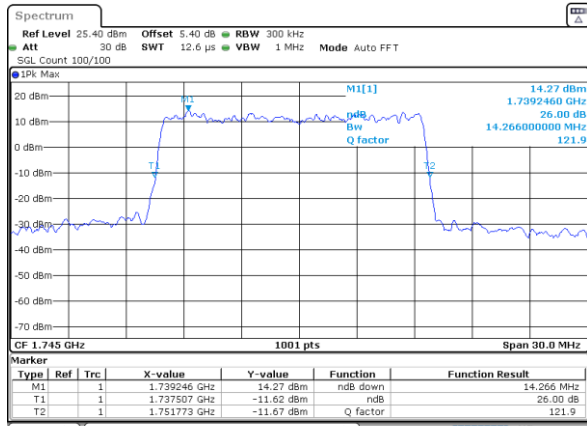
FR1 n66 /15MHz / CP OFDM / Middle Channel / Full RB

QPSK



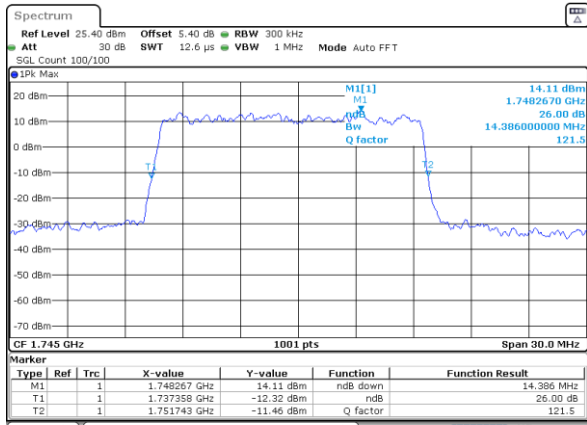
Date: 8,NOV,2022 03:00:14

16QAM



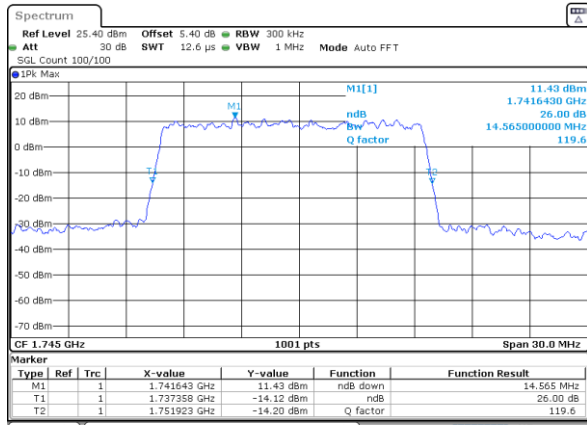
Date: 8,NOV,2022 03:00:36

64QAM



Date: 8,NOV,2022 03:01:25

256QAM

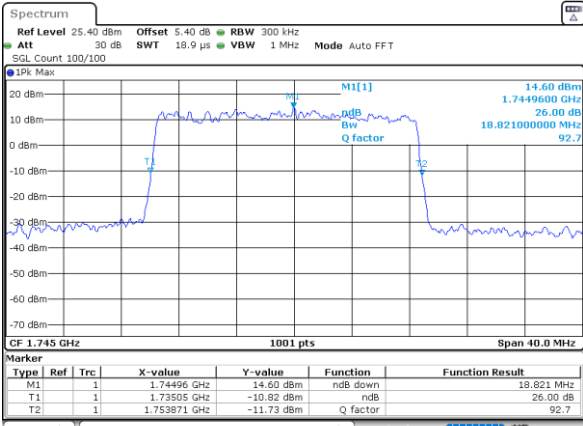


Date: 8,NOV,2022 03:01:41



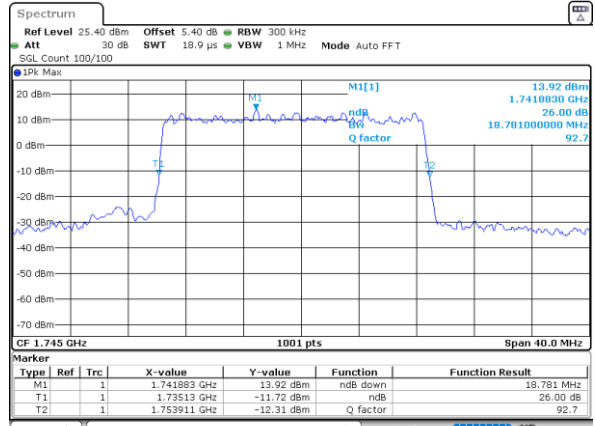
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



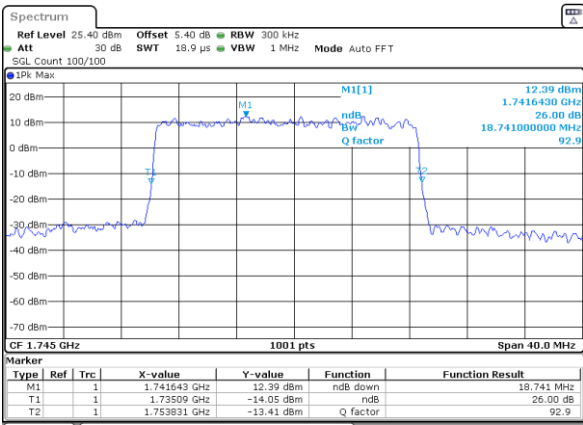
Date: 8,NOV,2022 03:04:38

16QAM



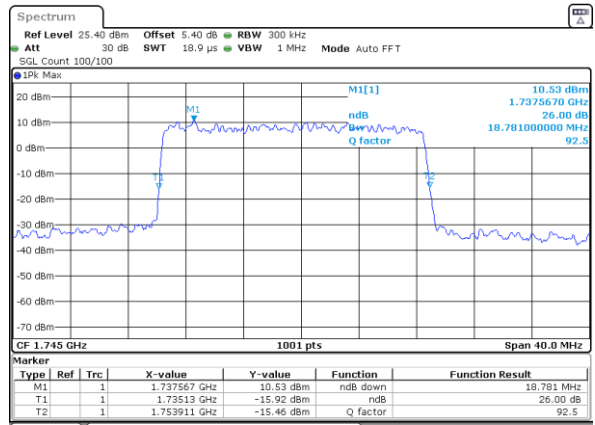
Date: 8,NOV,2022 03:04:56

64QAM



Date: 8,NOV,2022 03:05:12

256QAM

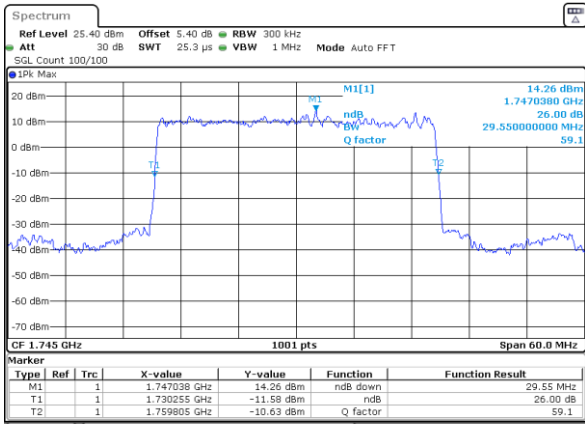


Date: 8,NOV,2022 03:05:30



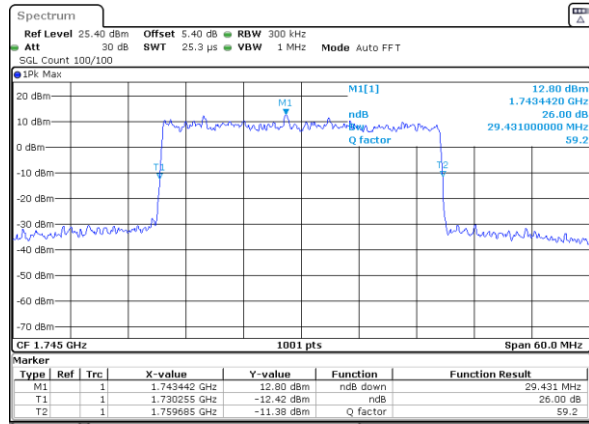
FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



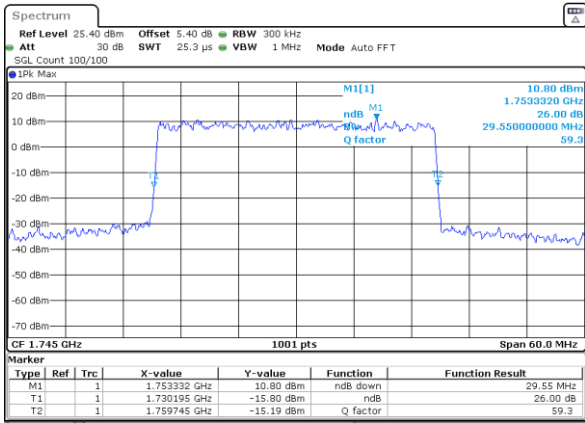
Date: 8,NOV,2022 03:43:21

16QAM



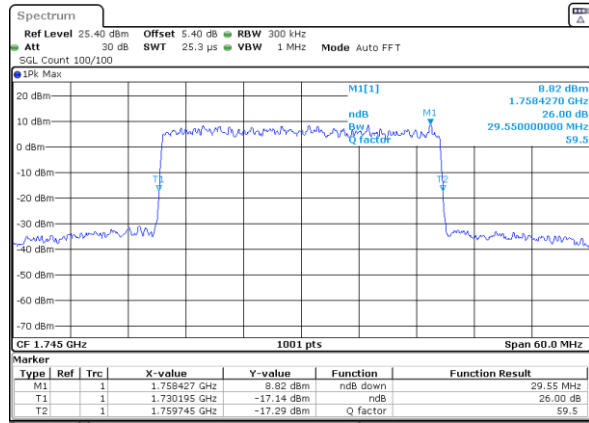
Date: 8,NOV,2022 03:44:09

64QAM



Date: 8,NOV,2022 03:44:48

256QAM

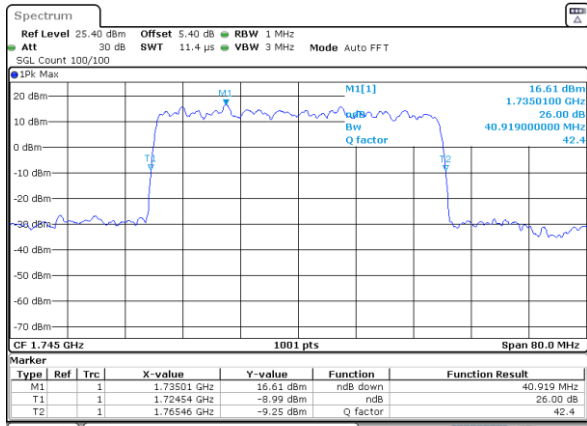


Date: 8,NOV,2022 03:45:19



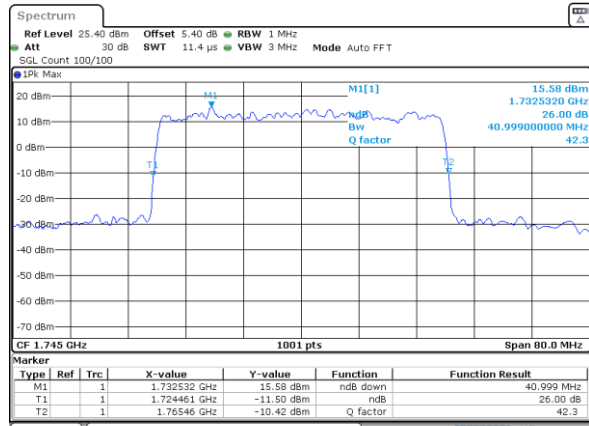
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



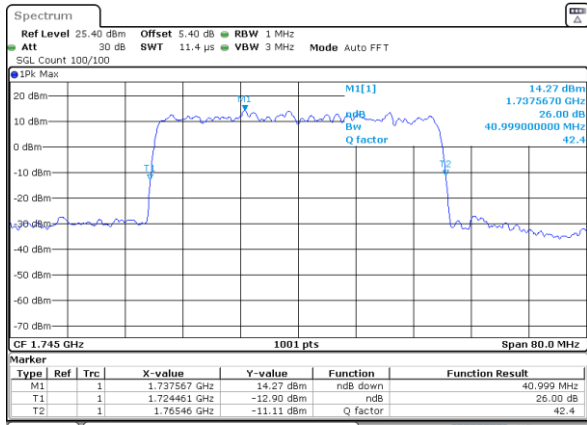
Date: 8,NOV,2022 03:46:08

16QAM



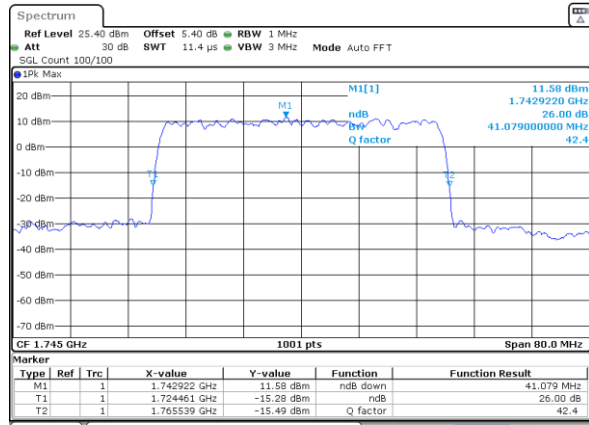
Date: 8,NOV,2022 03:46:24

64QAM



Date: 8,NOV,2022 03:46:40

256QAM



Date: 8,NOV,2022 03:46:56



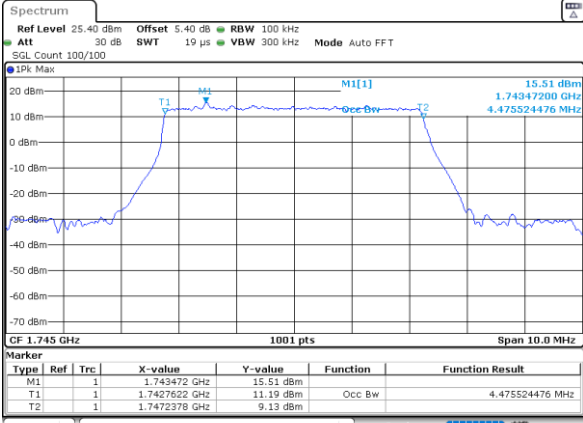
Occupied Bandwidth

Mode	FR1 n66 : 99%OBW (MHz) / CP OFDM					
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Middle CH	4.48	9.07	13.46	17.94	28.53	39.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM
Middle CH	4.48	9.05	13.46	17.90	28.59	38.68
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Middle CH	4.50	9.05	13.49	17.90	28.59	38.84
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Middle CH	4.50	9.03	13.49	17.90	28.53	38.84



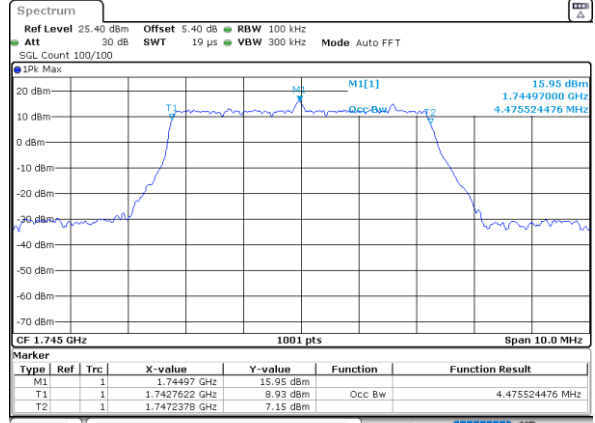
FR1 n66/ 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



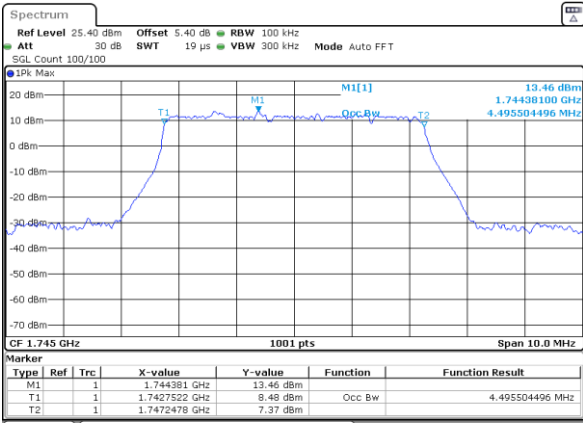
Date: 8,NOV,2022 02:46:48

16QAM



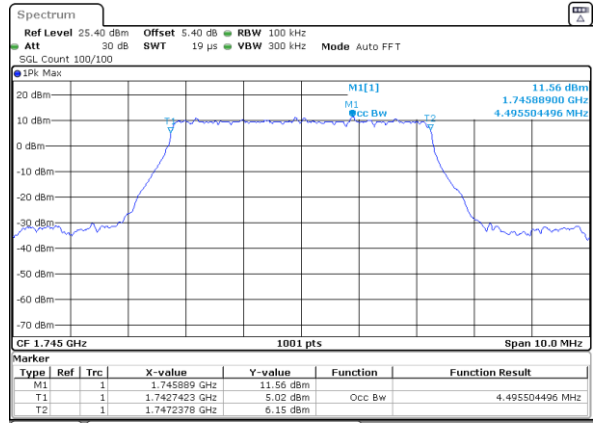
Date: 8,NOV,2022 02:47:06

64QAM



Date: 8,NOV,2022 02:47:21

256QAM

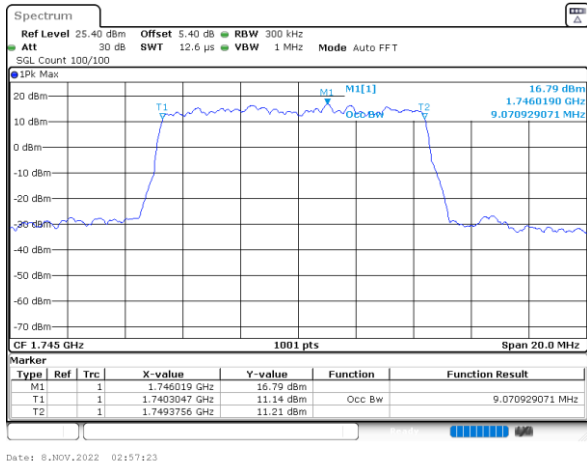


Date: 8,NOV,2022 02:47:45



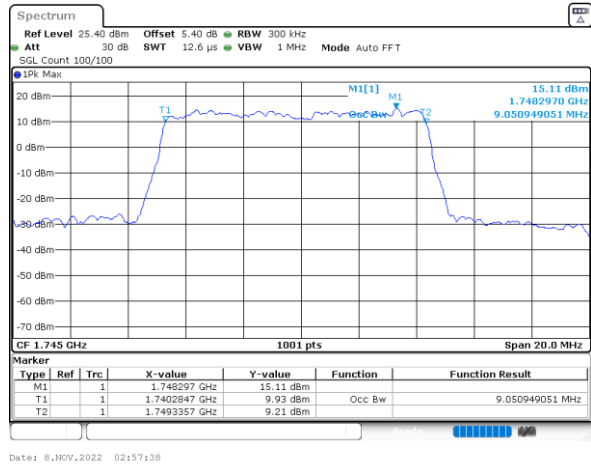
FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



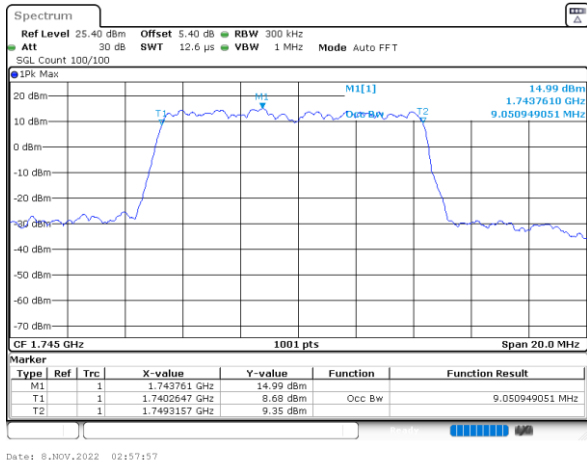
Date: 8,NOV,2022 02:57:23

16QAM



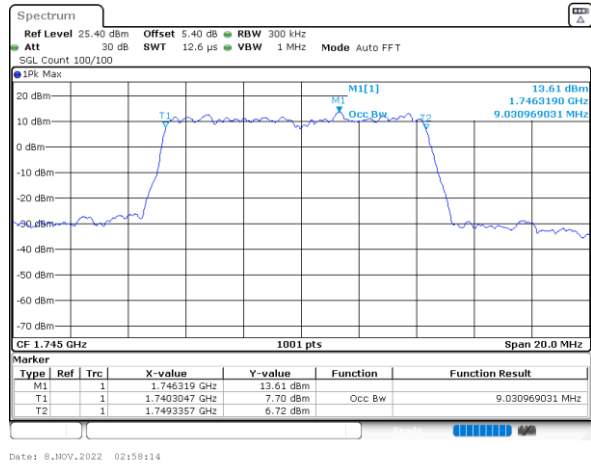
Date: 8,NOV,2022 02:57:38

64QAM



Date: 8,NOV,2022 02:57:57

256QAM

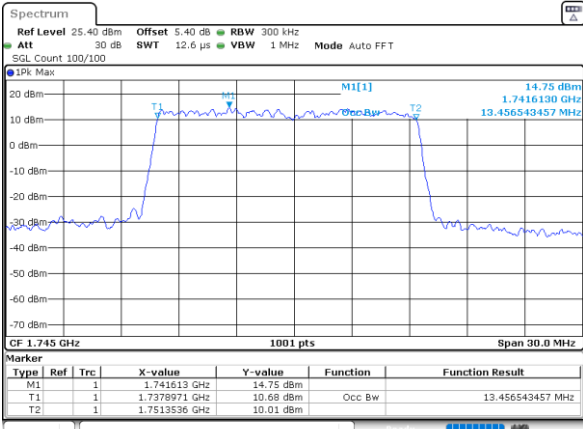


Date: 8,NOV,2022 02:58:14



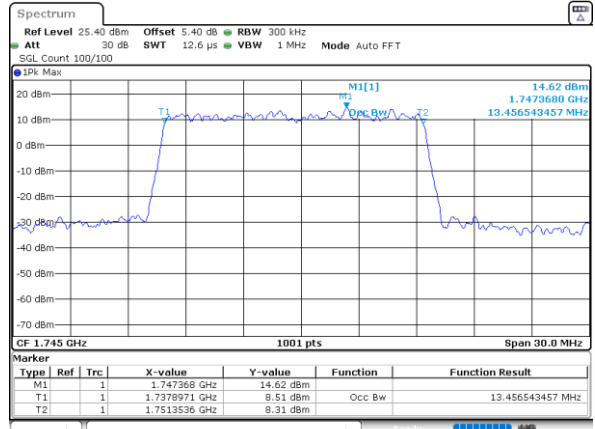
FR1 n66 /15MHz / CP OFDM / Middle Channel / Full RB

QPSK



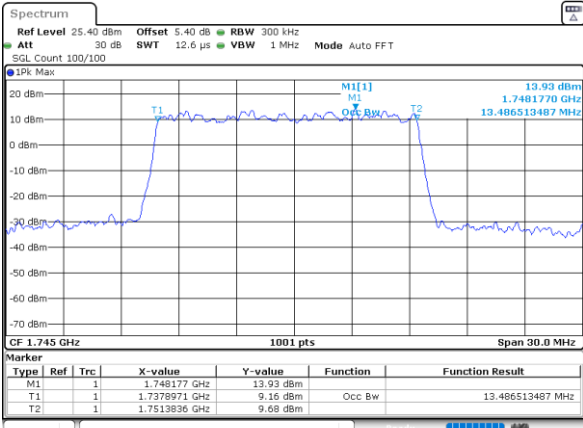
Date: 8,NOV,2022 03:00:09

16QAM



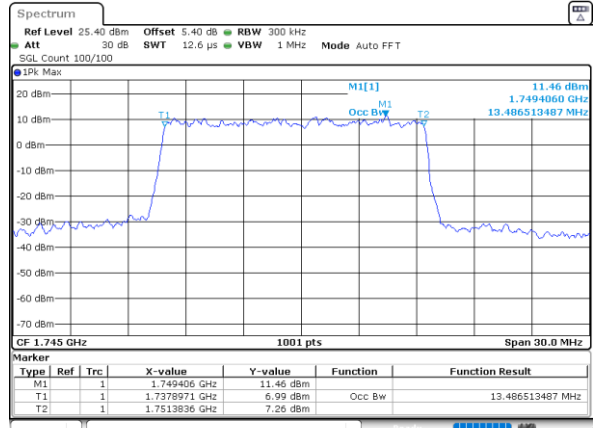
Date: 8,NOV,2022 03:00:31

64QAM



Date: 8,NOV,2022 03:01:20

256QAM

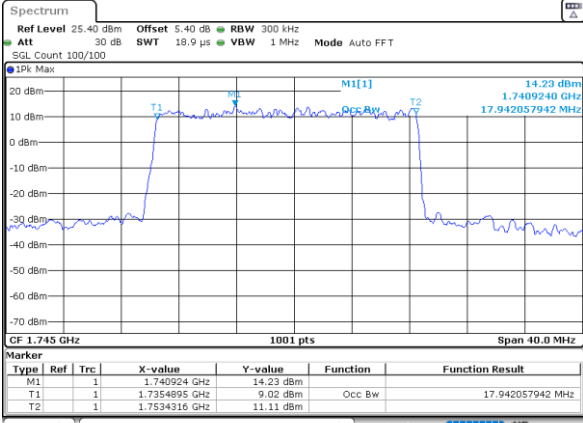


Date: 8,NOV,2022 03:01:36



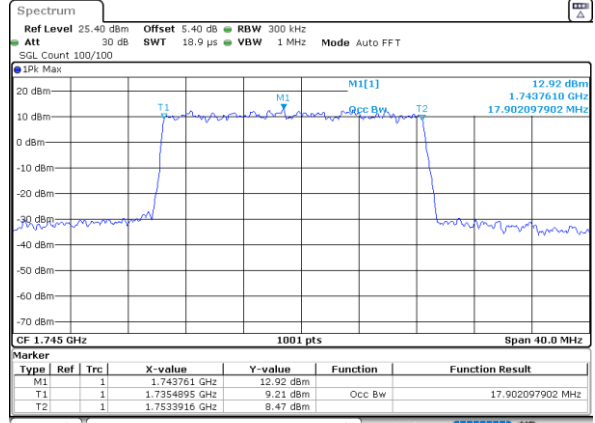
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



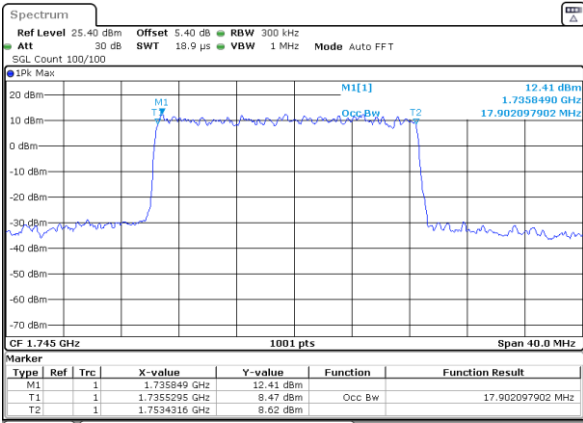
Date: 8,NOV,2022 03:04:33

16QAM



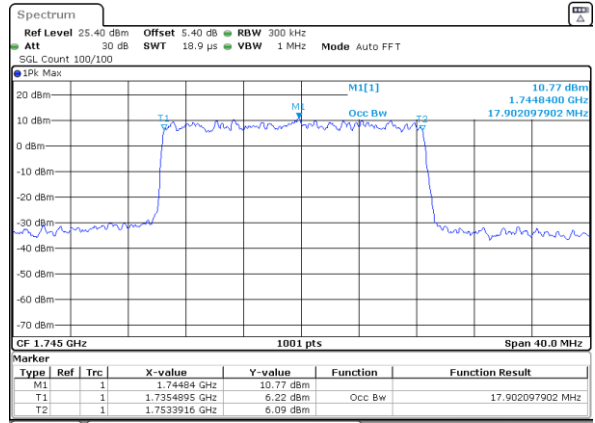
Date: 8,NOV,2022 03:04:51

64QAM



Date: 8,NOV,2022 03:05:07

256QAM

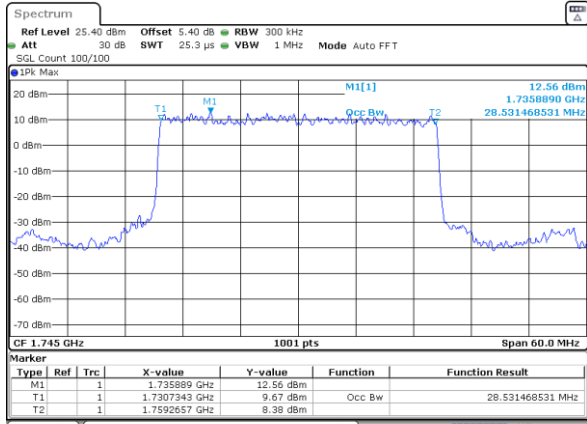


Date: 8,NOV,2022 03:05:24



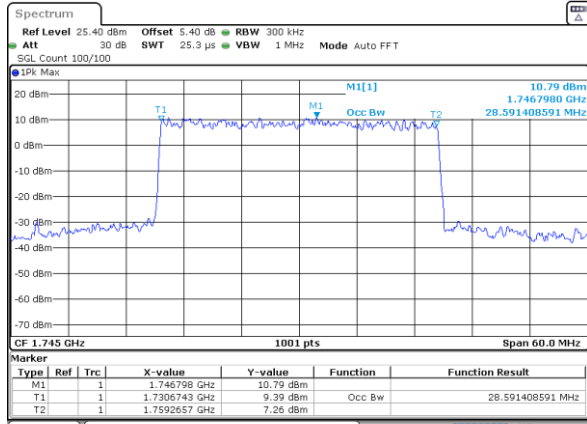
FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



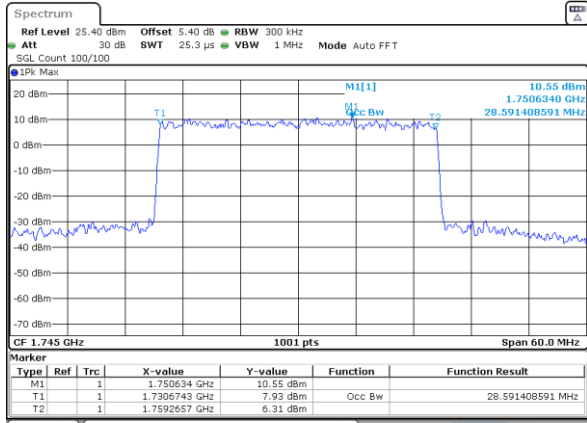
Date: 8,NOV,2022 03:41:05

16QAM



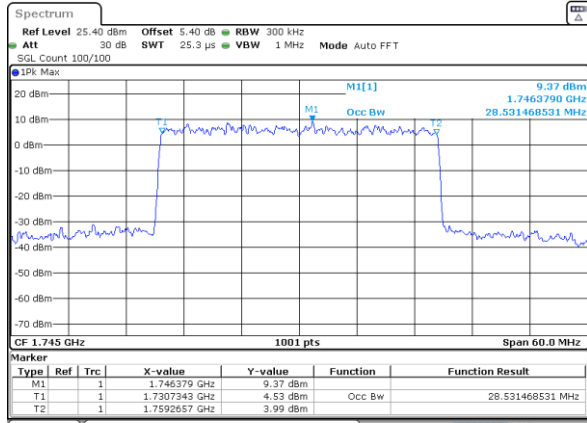
Date: 8,NOV,2022 03:43:59

64QAM



Date: 8,NOV,2022 03:44:38

256QAM

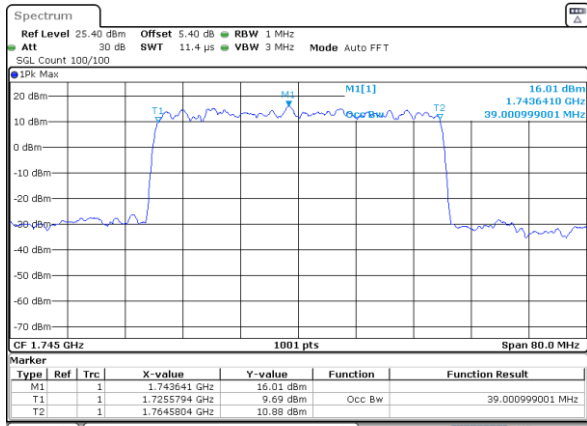


Date: 8,NOV,2022 03:45:11



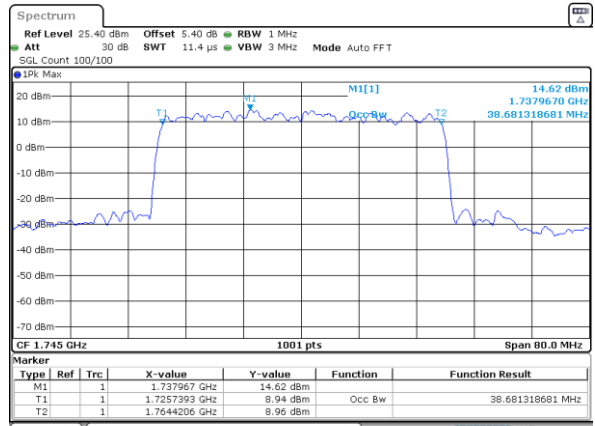
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



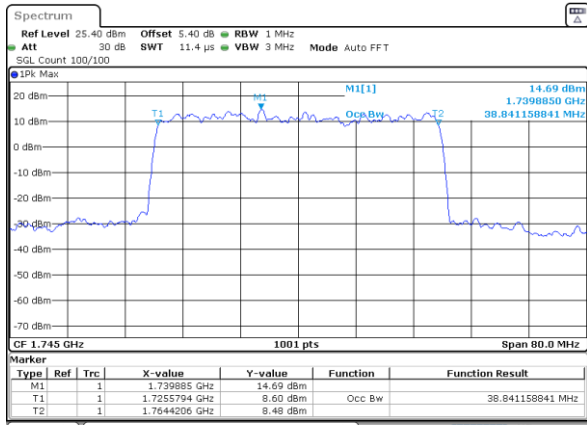
Date: 8,NOV,2022 03:46:03

16QAM



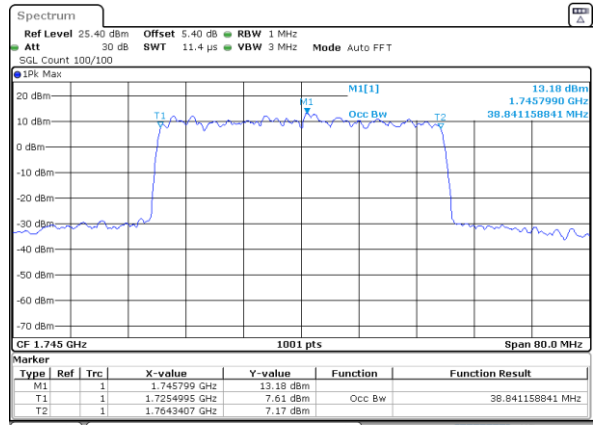
Date: 8,NOV,2022 03:46:19

64QAM



Date: 8,NOV,2022 03:46:35

256QAM



Date: 8,NOV,2022 03:46:51

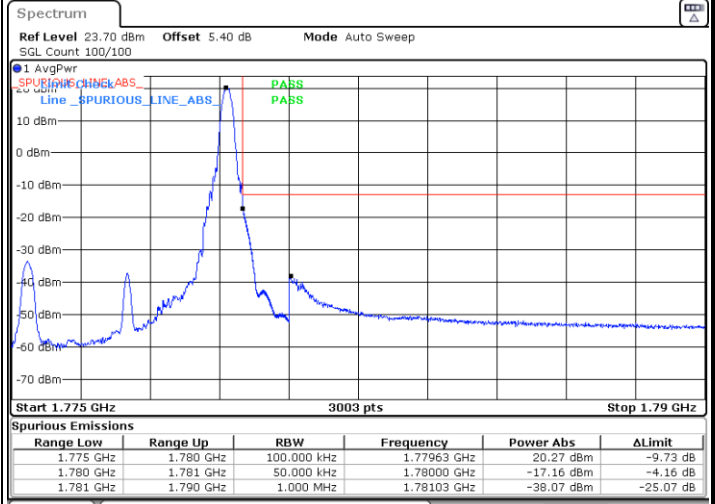
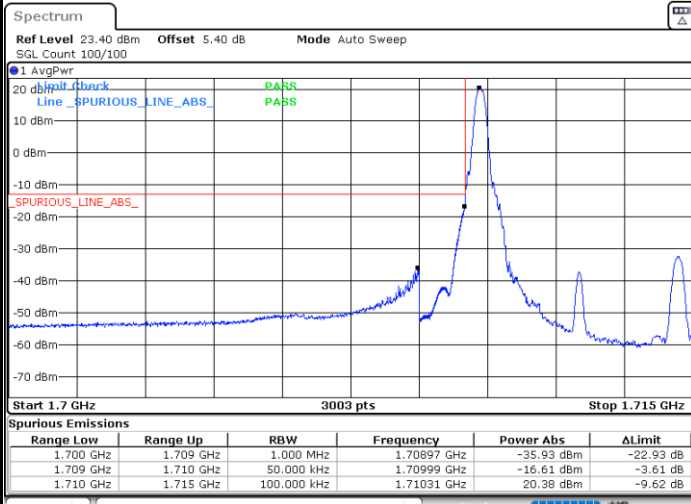


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

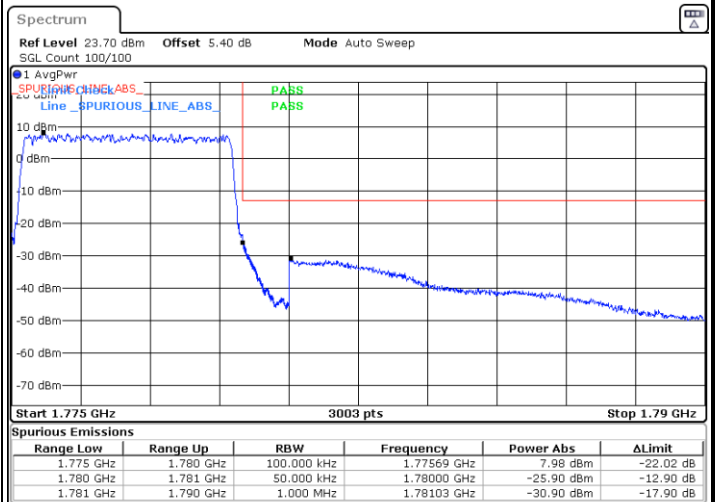
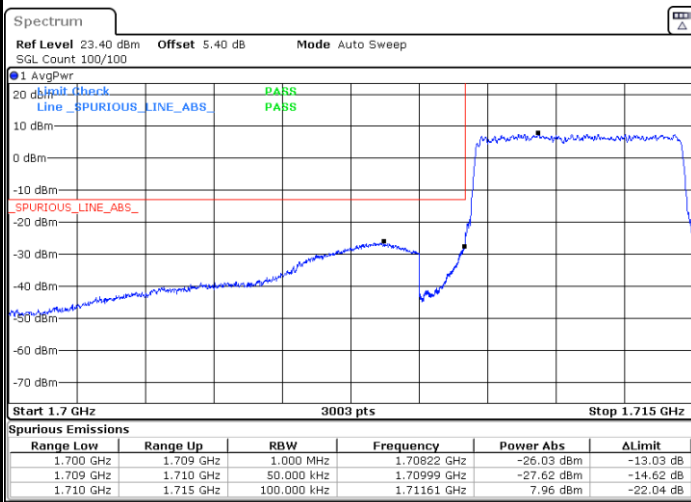


Date: 8.NOV.2022 02:28:45

Date: 8.NOV.2022 02:54:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 02:26:54

Date: 8.NOV.2022 02:52:20