



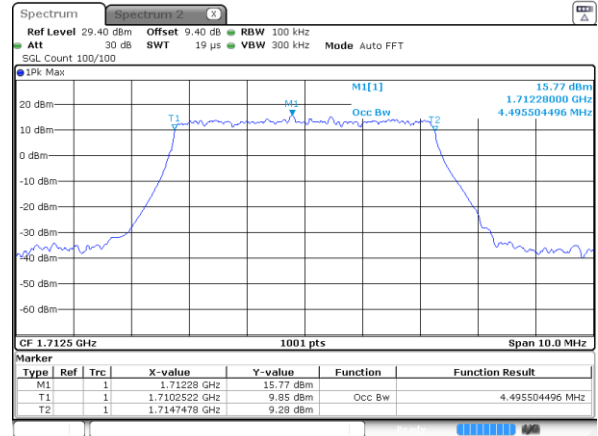
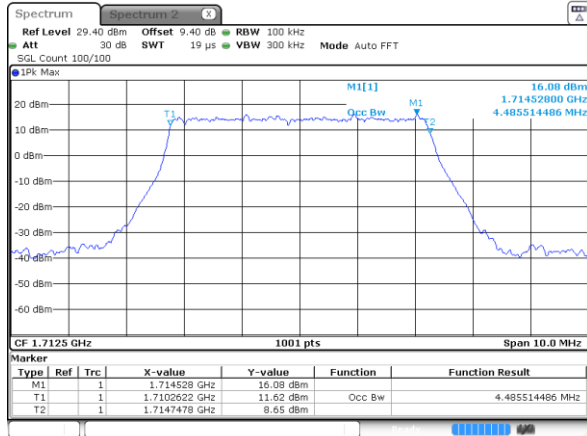
FR1 n66 / 5MHz / DFT-S OFDM

QPSK

16QAM

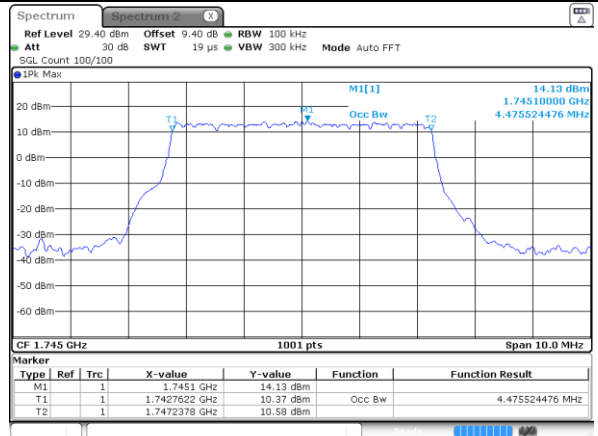
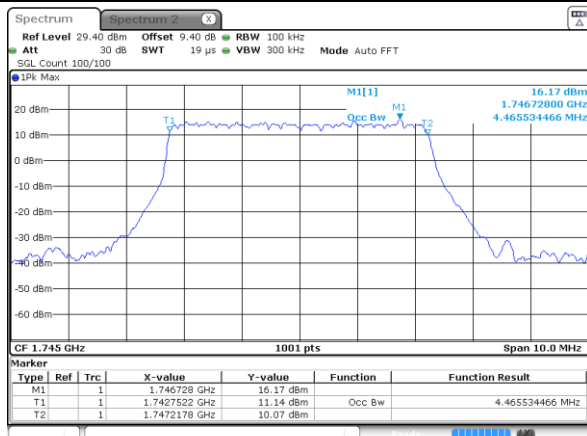
Lowest Channel

Lowest Channel



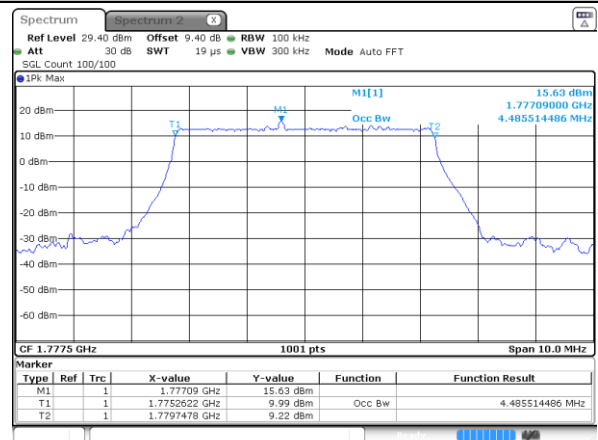
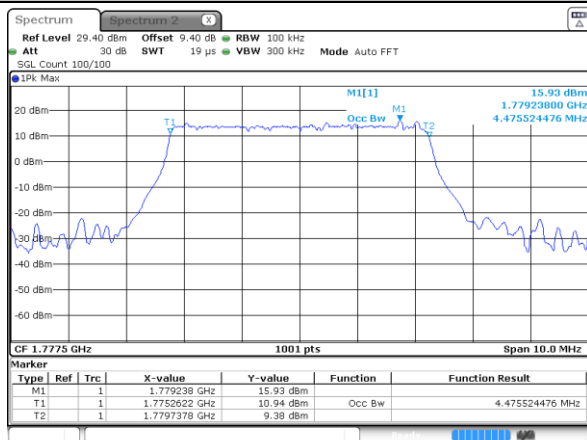
Middle Channel

Middle Channel



Highest Channel

Highest Channel

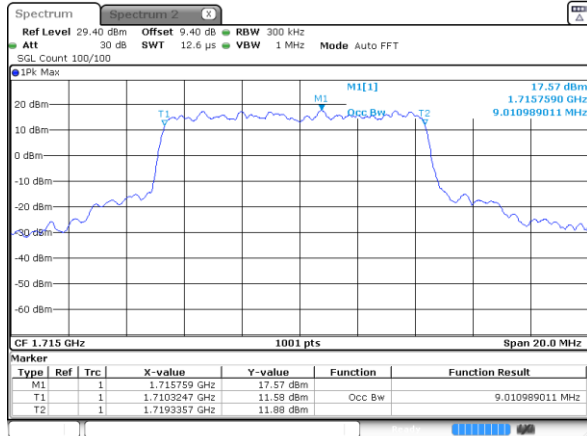




FR1 n66 / 10MHz / DFT-S OFDM

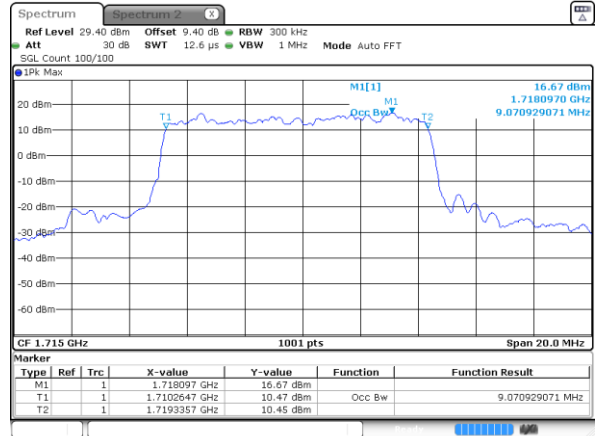
QPSK

Lowest Channel

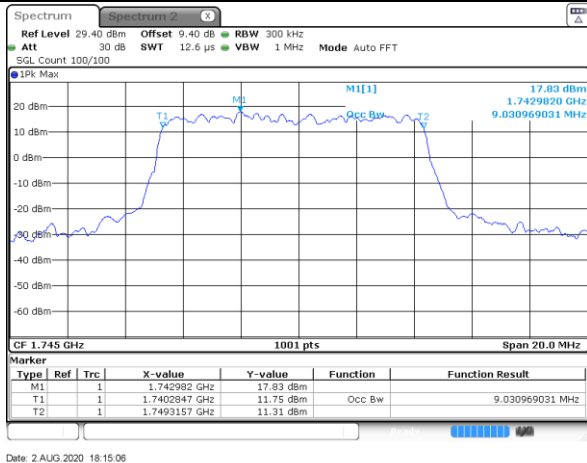


16QAM

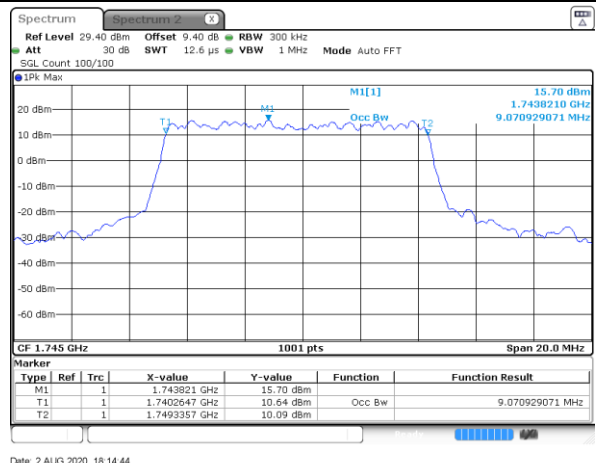
Lowest Channel



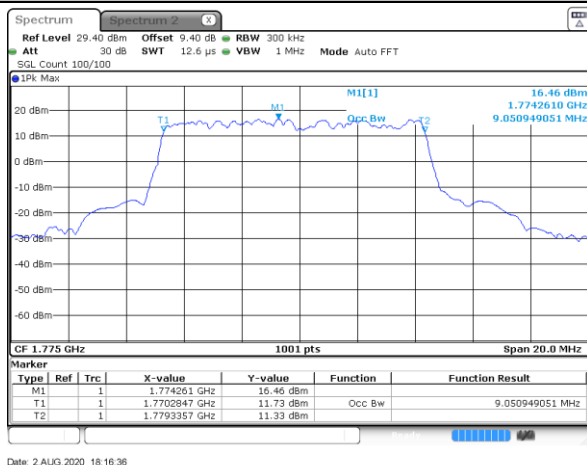
Middle Channel



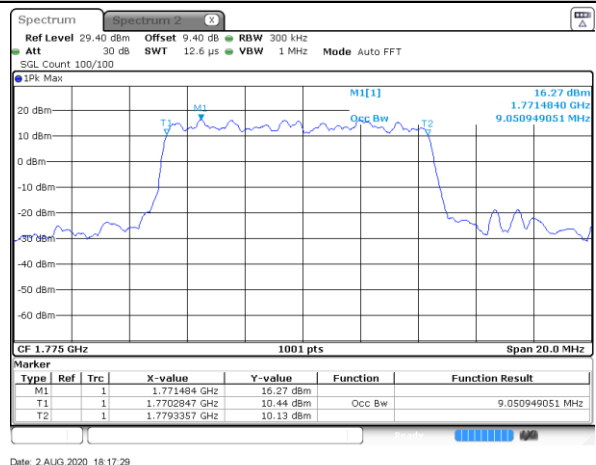
Middle Channel



Highest Channel



Highest Channel

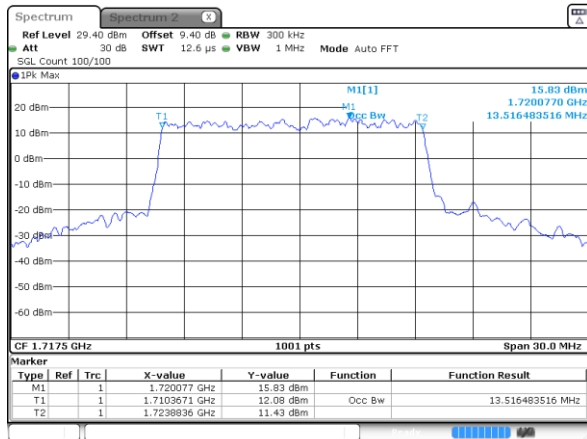




FR1 n66 / 15MHz / DFT-S OFDM

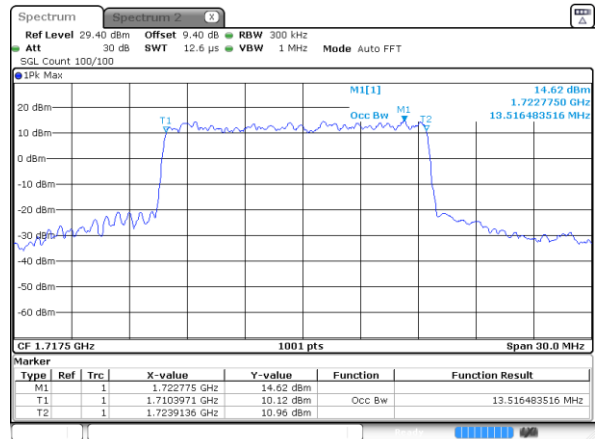
QPSK

Lowest Channel

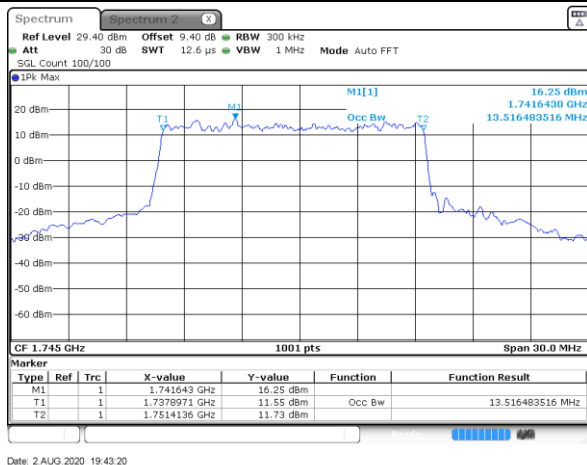


16QAM

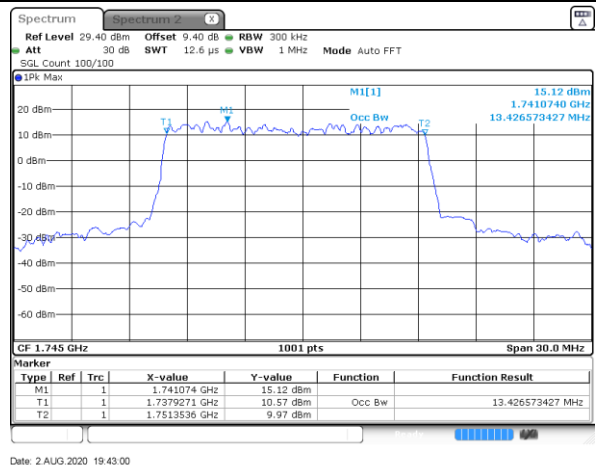
Lowest Channel



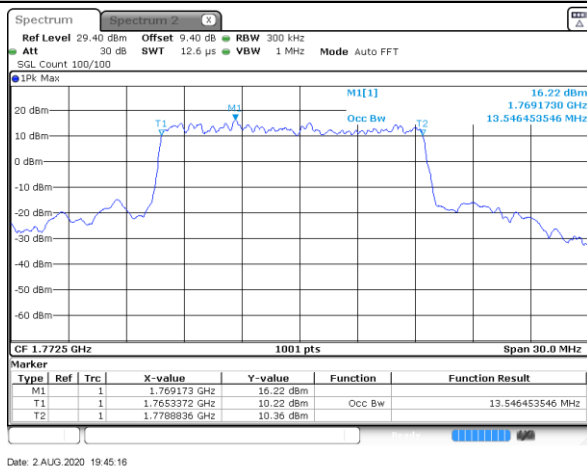
Middle Channel



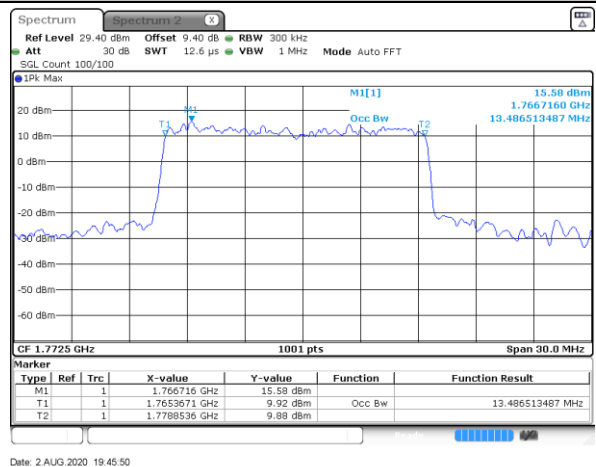
Middle Channel



Highest Channel



Highest Channel

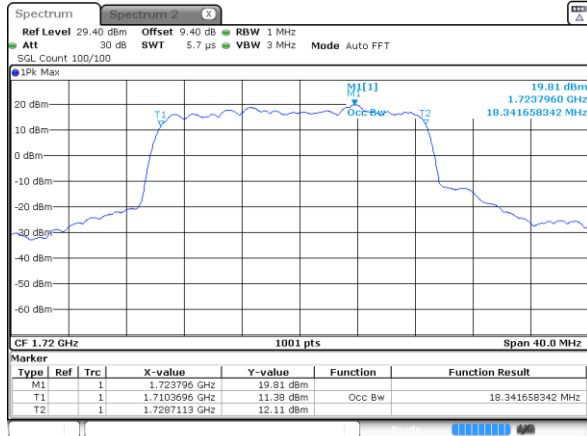




FR1 n66 / 20MHz / DFT-S OFDM

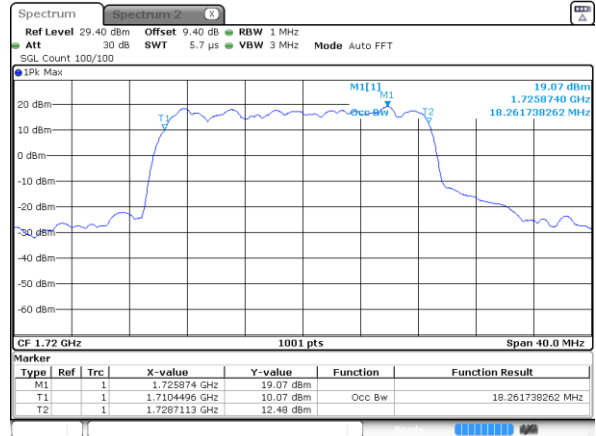
QPSK

Lowest Channel

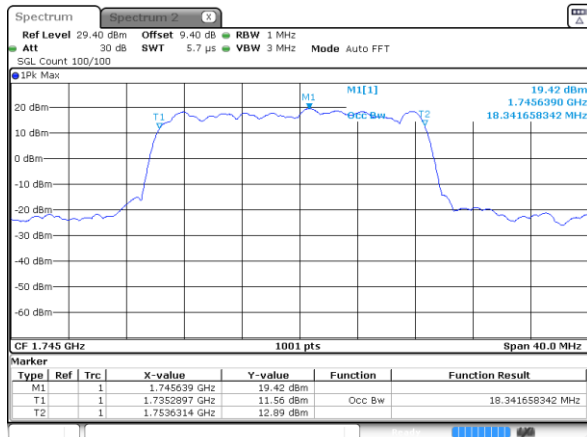


16QAM

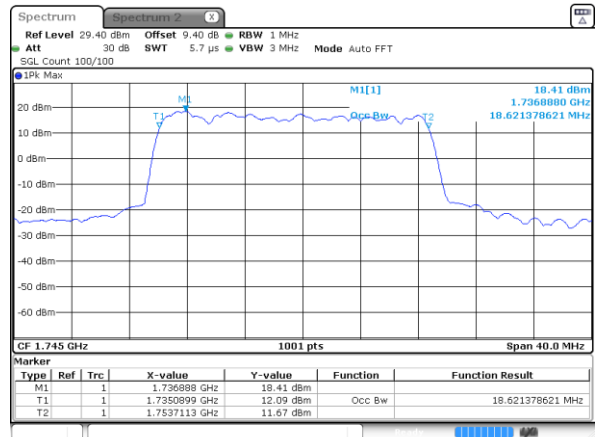
Lowest Channel



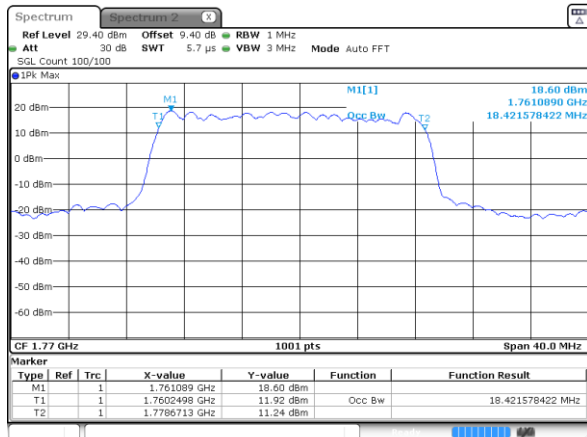
Middle Channel



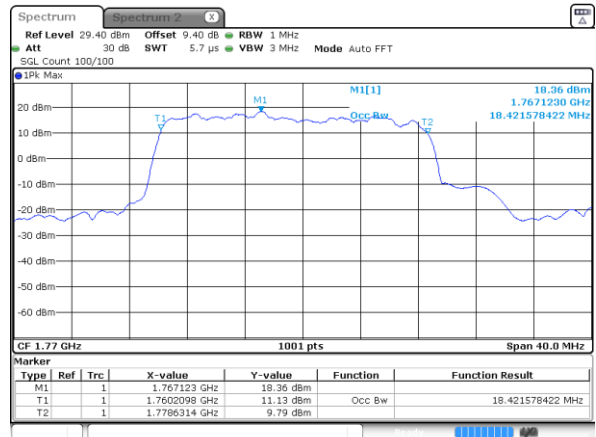
Middle Channel



Highest Channel



Highest Channel

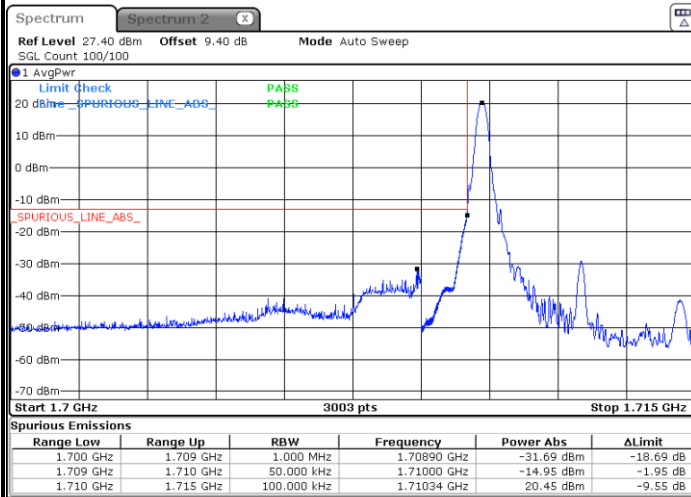




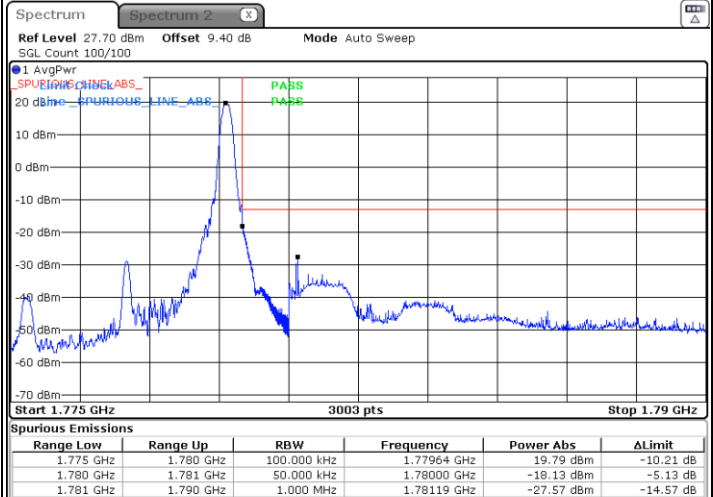
Conducted Band Edge

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

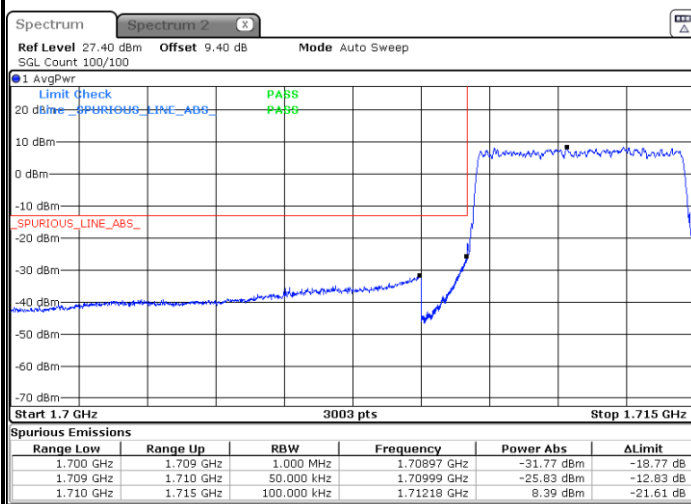
Lowest Band Edge / 1RB0



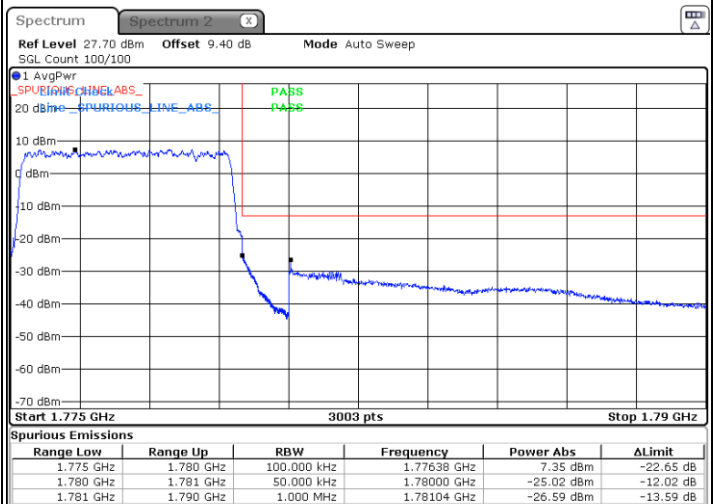
Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB



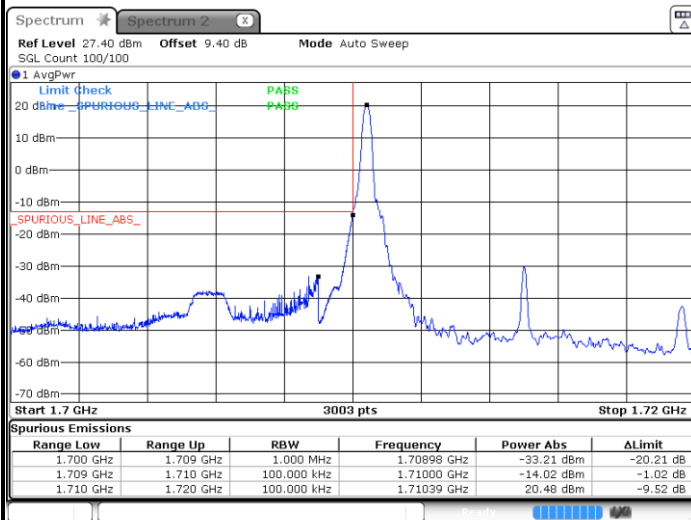
Highest Band Edge / Full RB



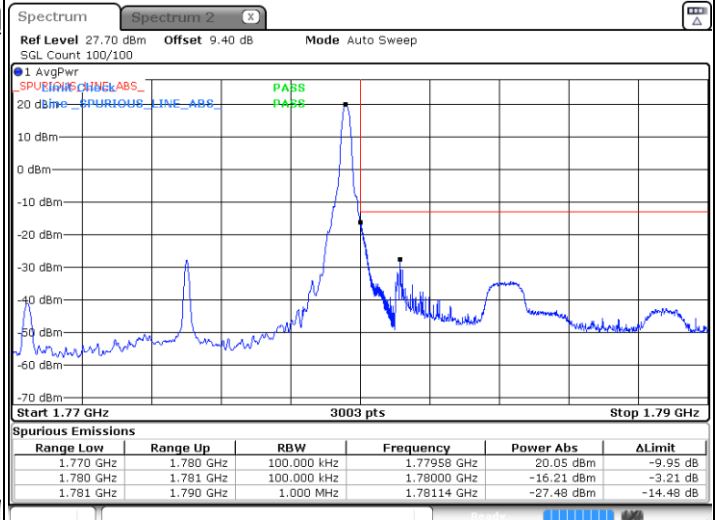


FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

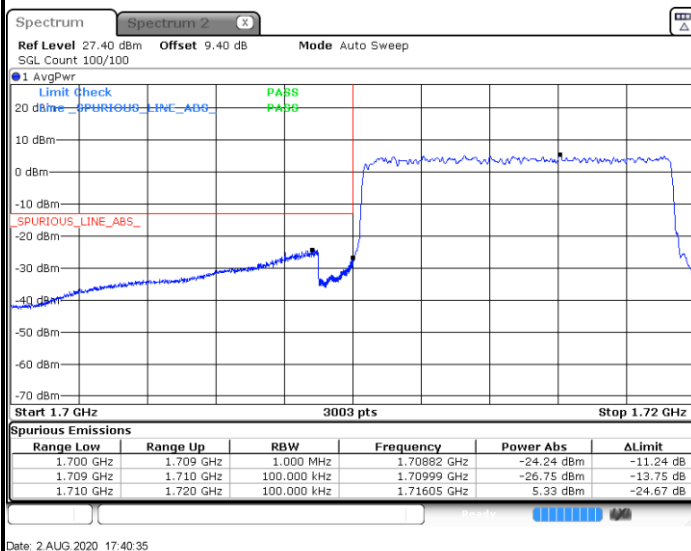
Lowest Band Edge / 1RB0



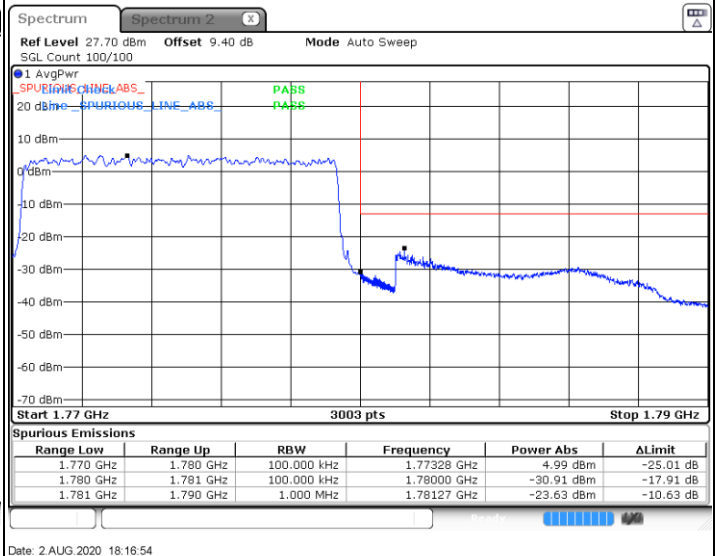
Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB



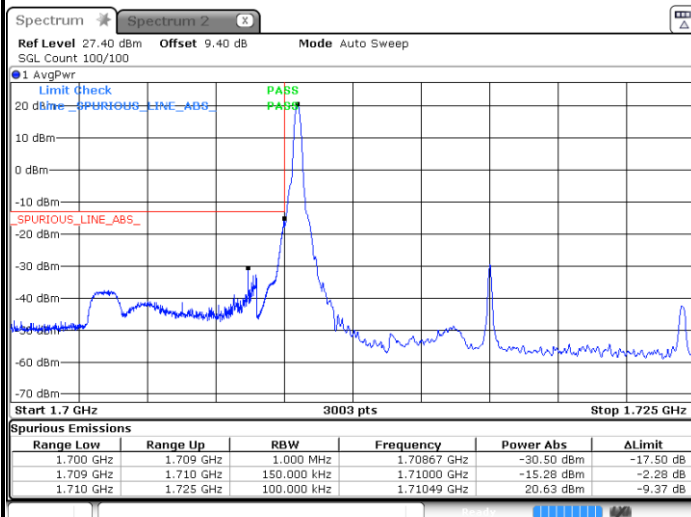
Highest Band Edge / Full RB



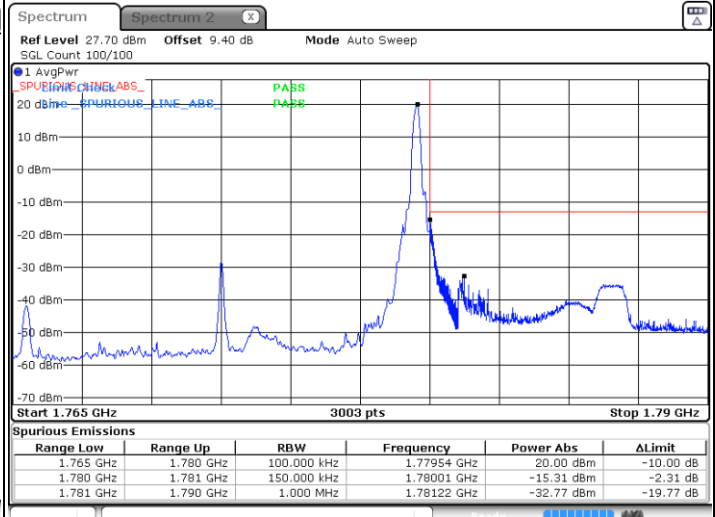


FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

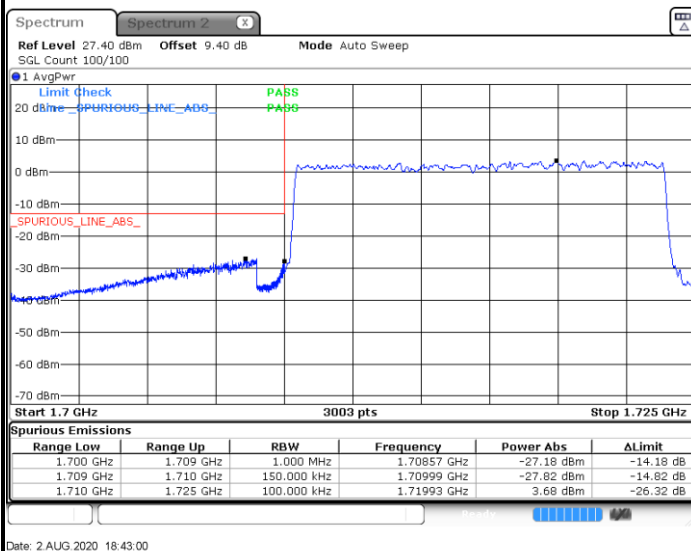
Lowest Band Edge / 1RB0



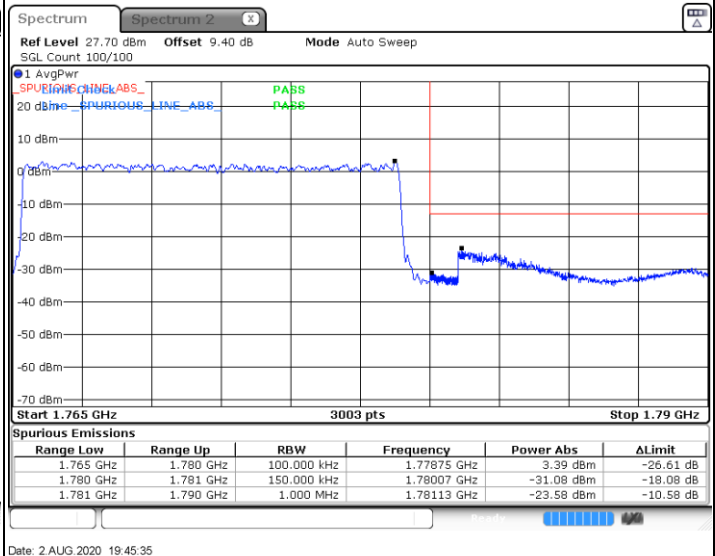
Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB



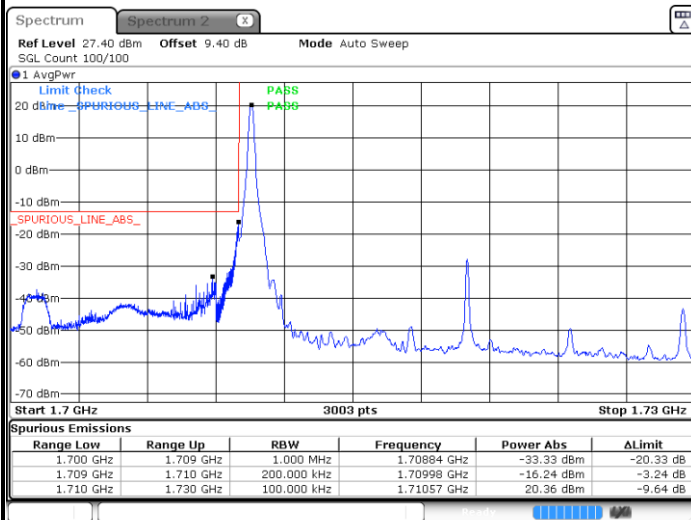
Highest Band Edge / Full RB



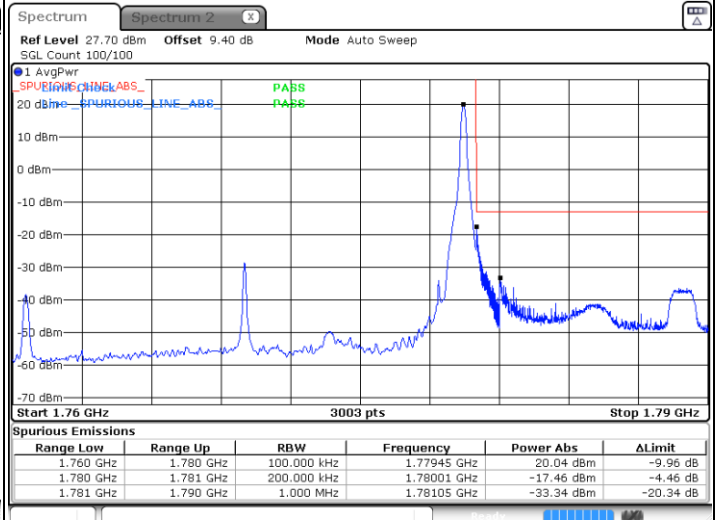


FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

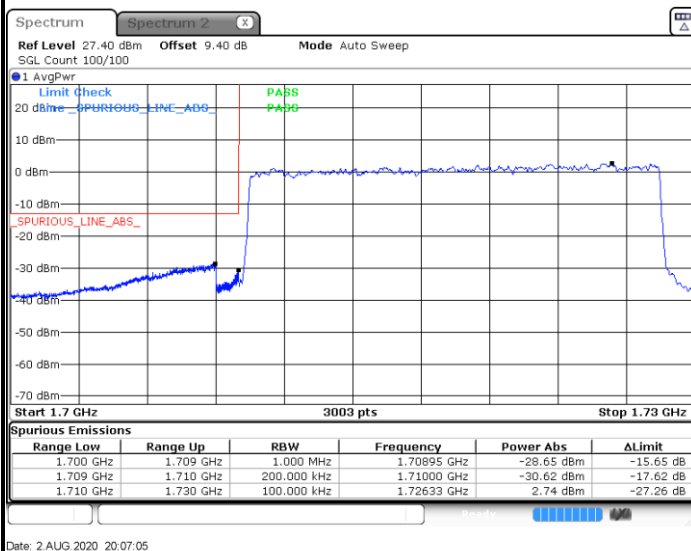
Lowest Band Edge / 1RB0



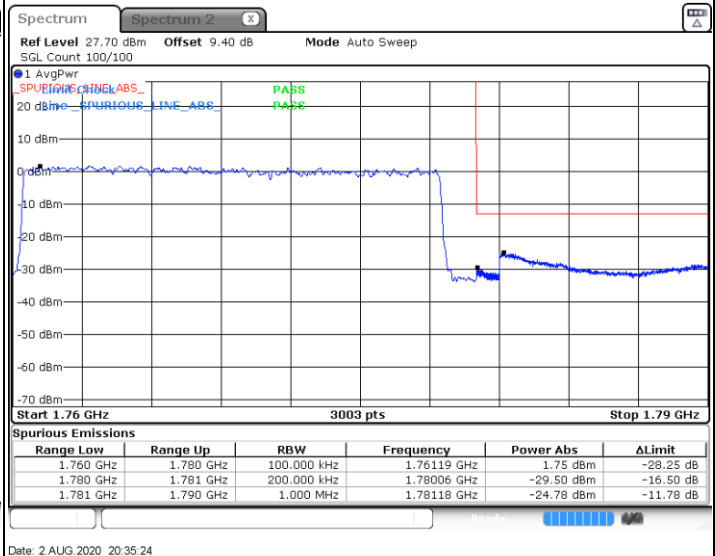
Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



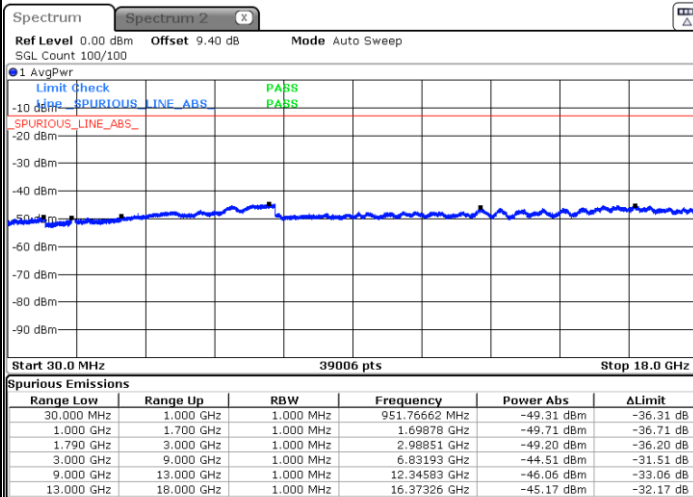


Conducted Spurious Emission

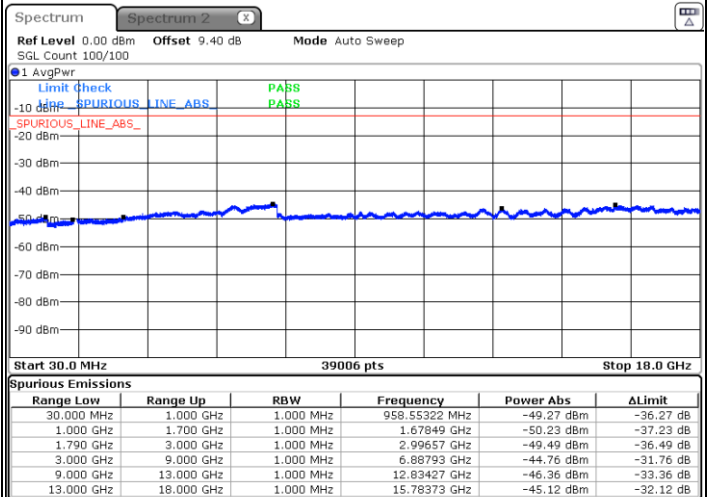
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

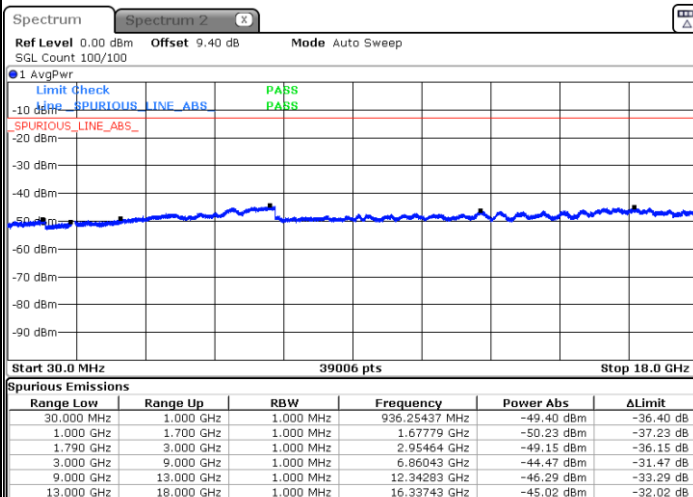


Date: 2 AUG 2020 15:01:30



Date: 2 AUG 2020 16:56:04

Highest Channel / 1RB0

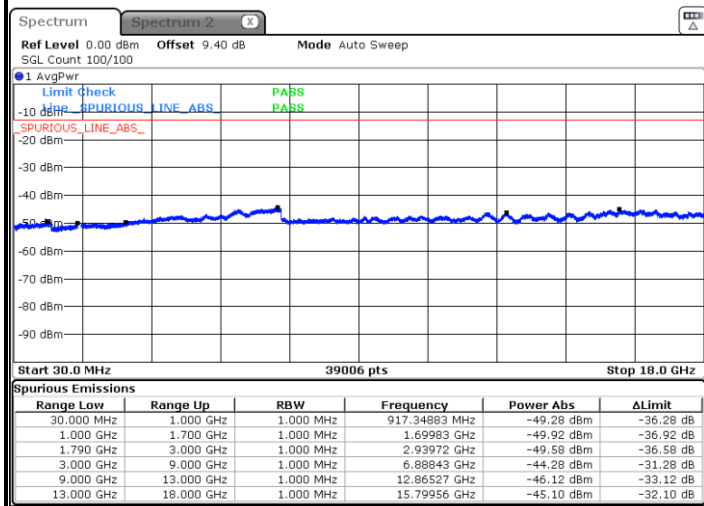


Date: 2 AUG 2020 17:38:09



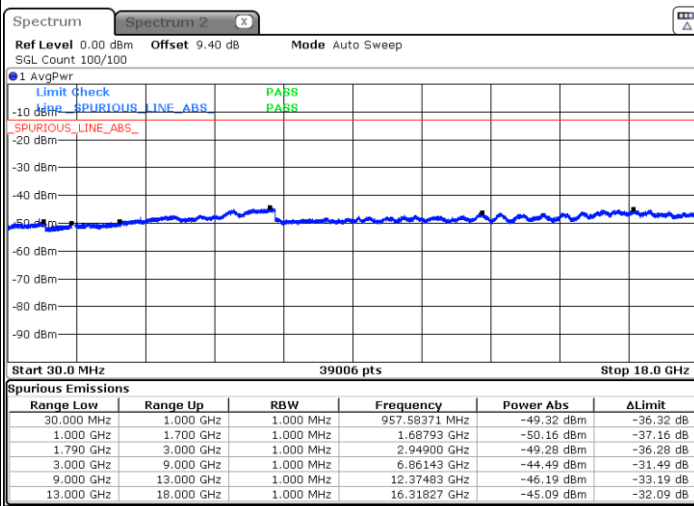
FR1 n66/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



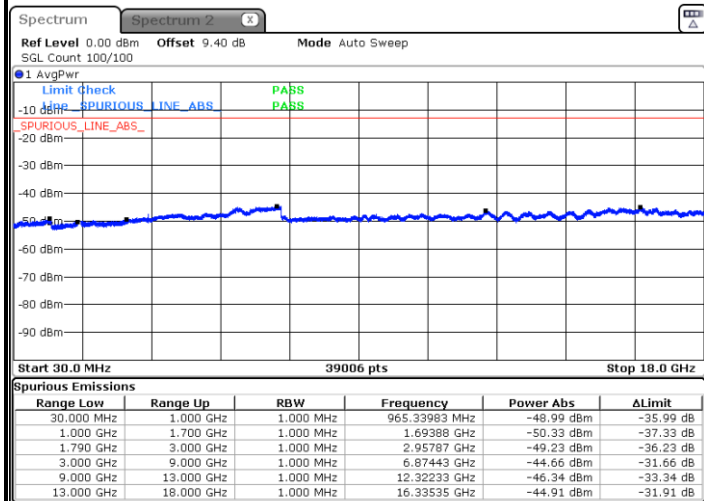
Date: 2 AUG 2020 18:07:41

Middle Channel / 1RB0



Date: 2 AUG 2020 18:10:03

Highest Channel / 1RB0

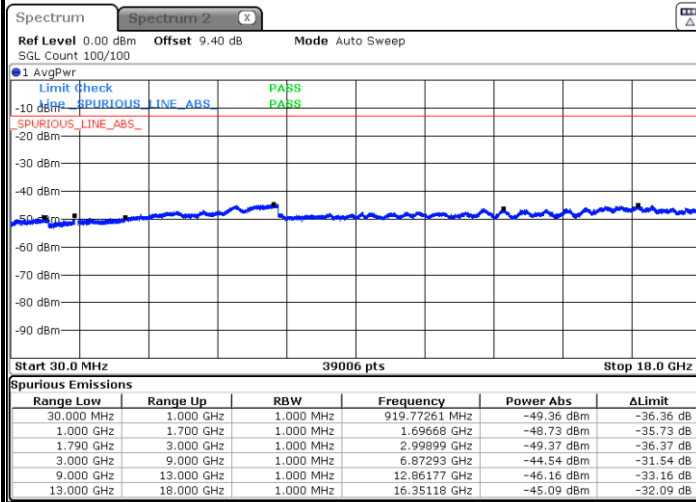


Date: 2 AUG 2020 18:25:48



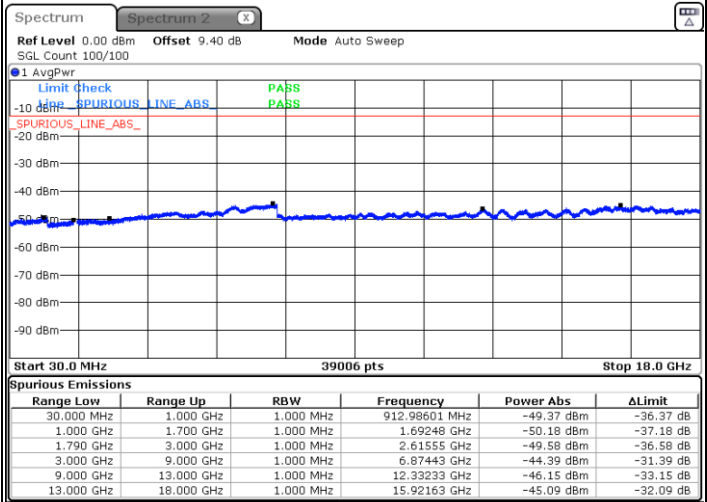
FR1 n71 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



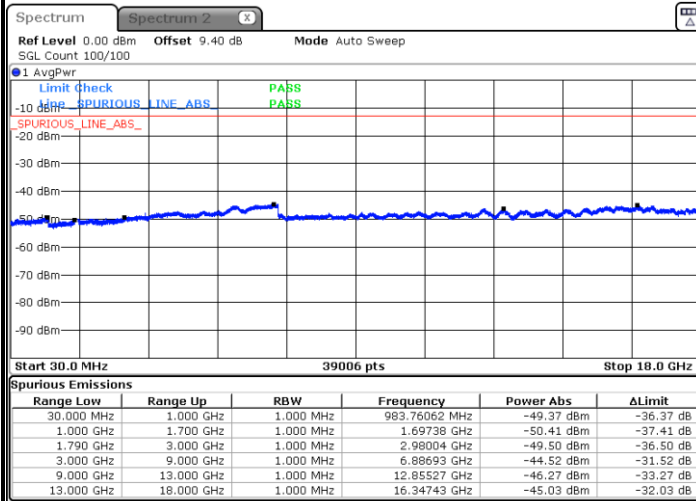
Date: 2 AUG 2020 19:13:37

Middle Channel / 1RB0



Date: 2 AUG 2020 19:38:48

Highest Channel / 1RB0

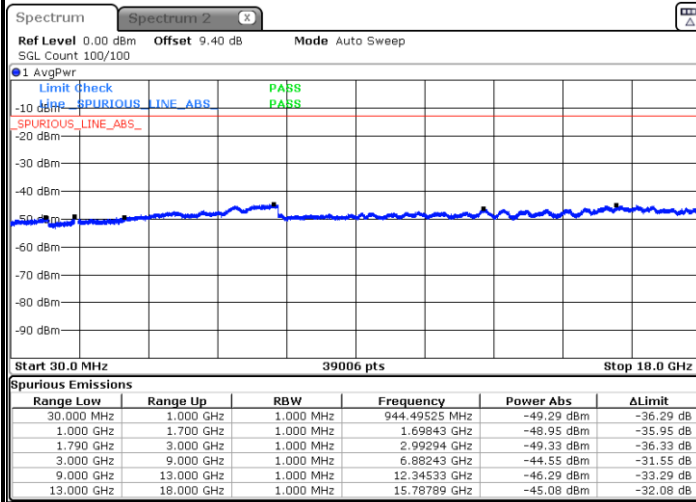


Date: 2 AUG 2020 19:51:28



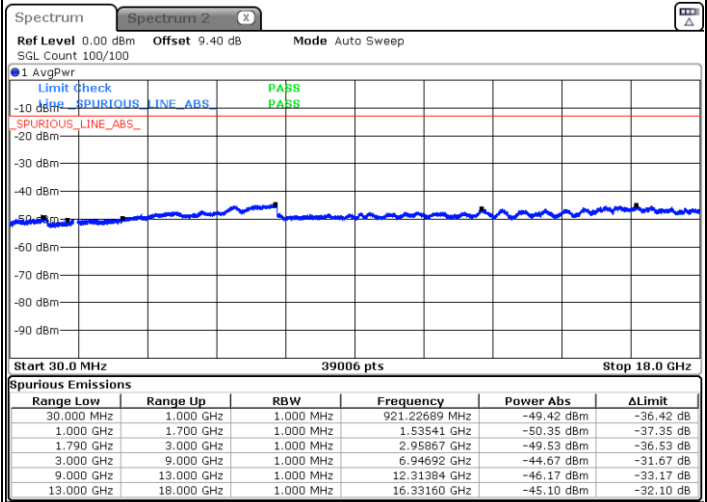
FR1 n71 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



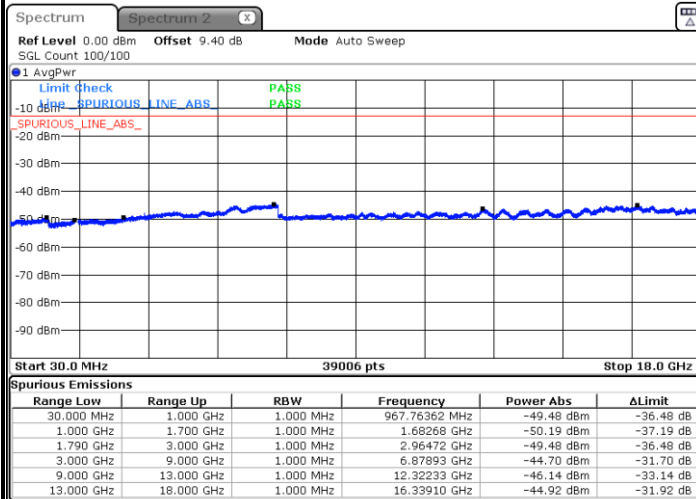
Date: 2 AUG 2020 20:25:47

Middle Channel / 1RB0



Date: 2 AUG 2020 20:28:00

Highest Channel / 1RB0



Date: 2 AUG 2020 20:39:39

**Frequency Stability**

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.135 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

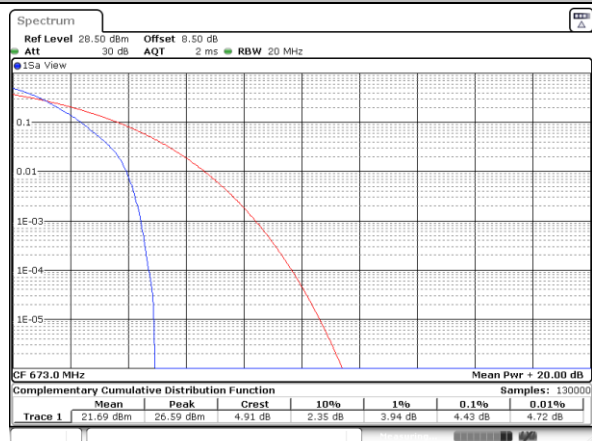
Mode	FR1 n71 / 20MHz / DFT-S OFDM		
Mod.	QPSK	QPSK	Limit: 13dB
RB Size	Full RB	1 RB0	Result
Lowest CH	4.43	3.74	PASS
Middle CH	4.35	3.88	
Highest CH	4.41	4.26	



FR1 n71 / 20MHz / DFT-S OFDM

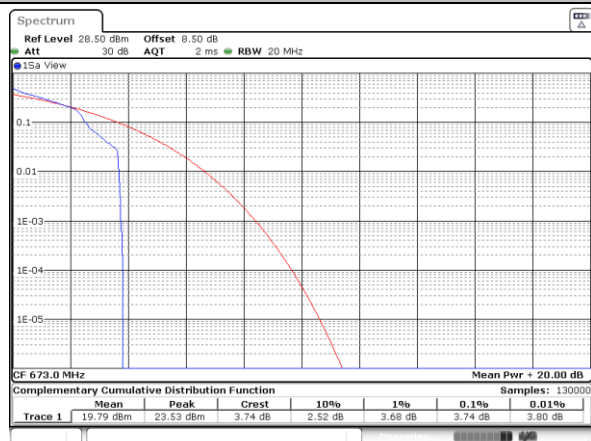
QPSK

Lowest Channel / Full RB

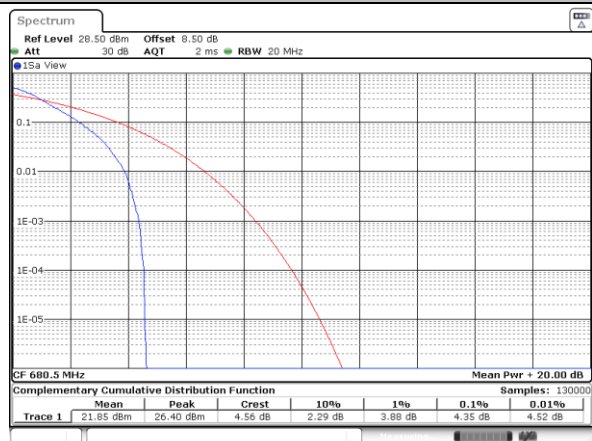


QPSK

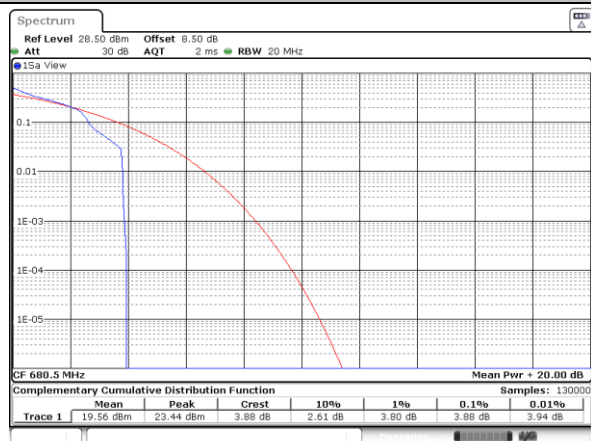
Lowest Channel / 1RB0



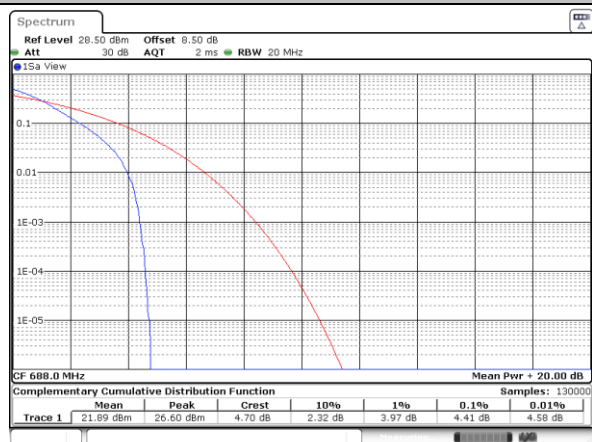
Middle Channel / Full RB



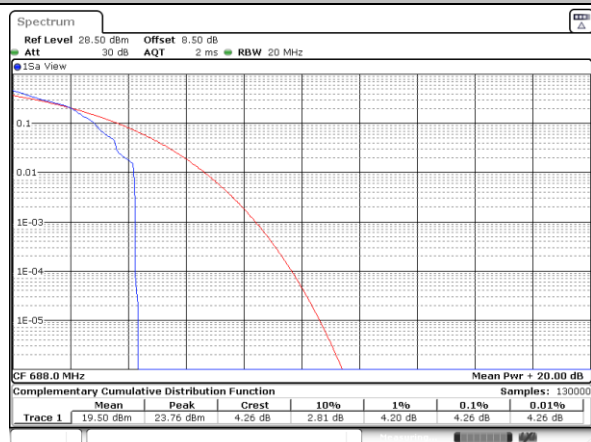
Middle Channel / 1RB0



Highest Channel / Full RB



Highest Channel / 1RB0





26dB Bandwidth

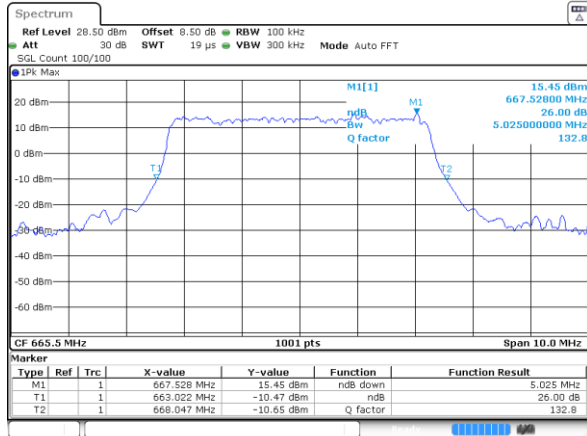
Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	QPSK	QPSK	QPSK
Lowest CH	5.03	10.07	14.33	20.06
Middle CH	5.17	9.89	14.30	20.18
Highest CH	5.24	9.87	14.51	20.14



FR1 n71 / DFT-S OFDM

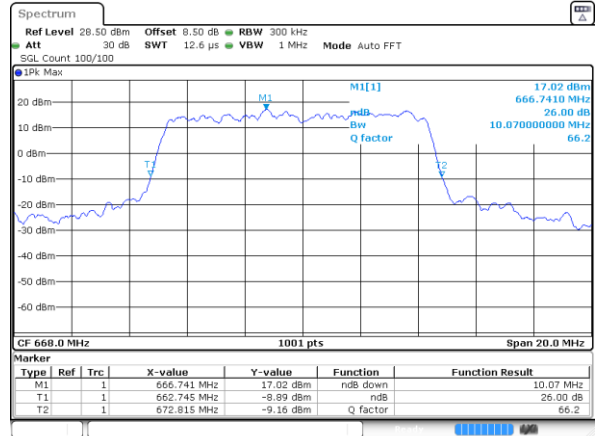
QPSK / 5MHz

Lowest Channel

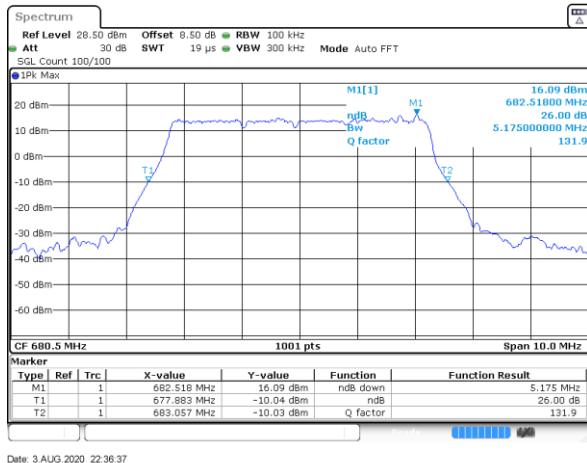


QPSK / 10MHz

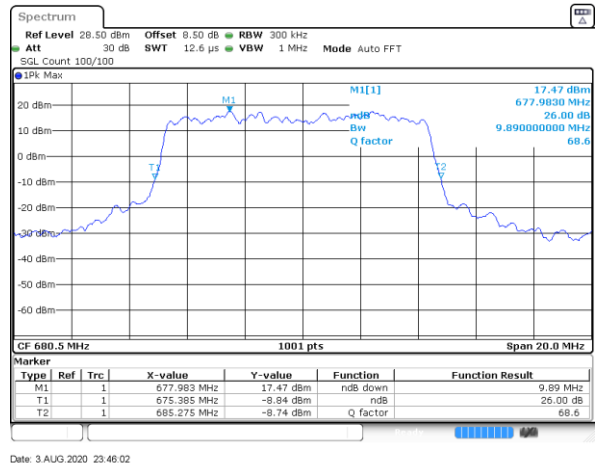
Lowest Channel



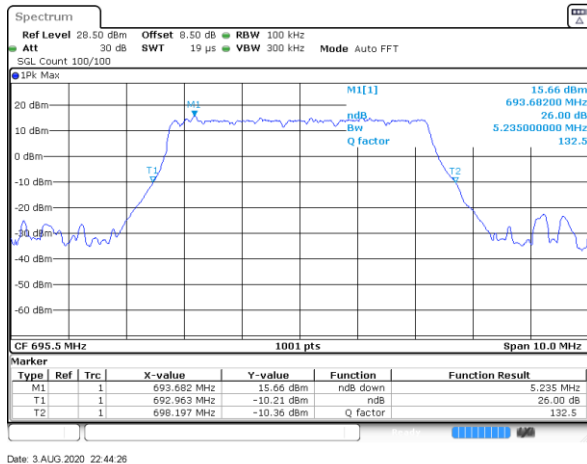
Middle Channel



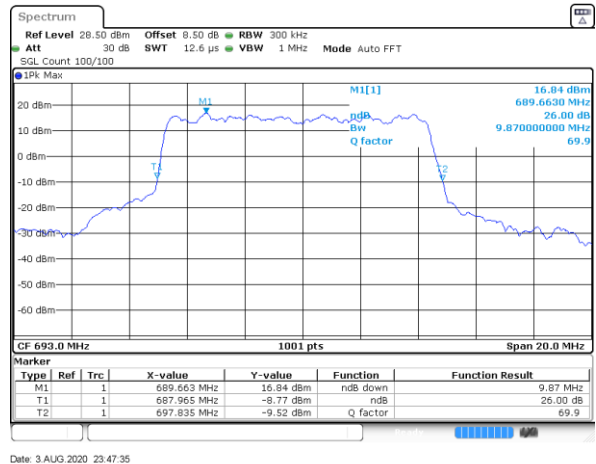
Middle Channel



Highest Channel



Highest Channel

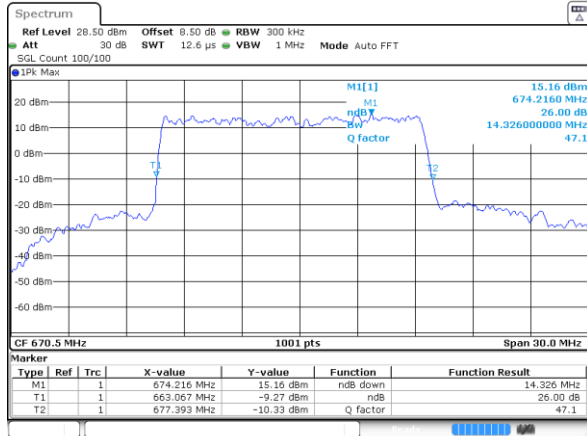




FR1 n71 / DFT-S OFDM

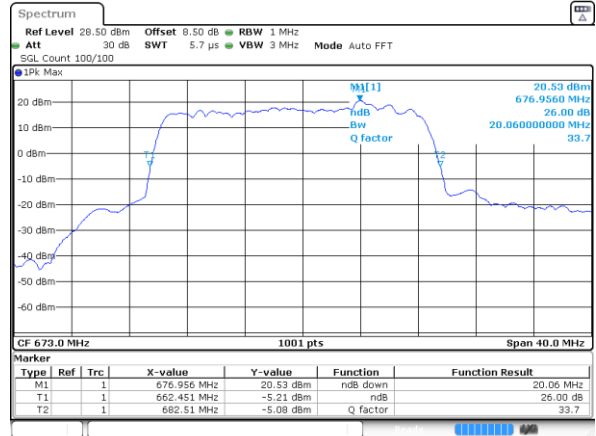
QPSK / 15MHz

Lowest Channel

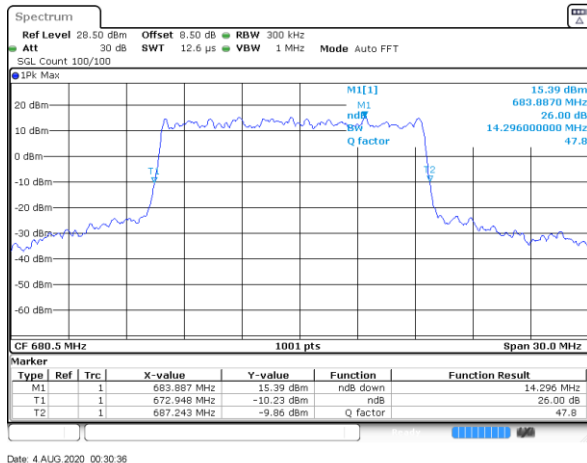


QPSK / 20MHz

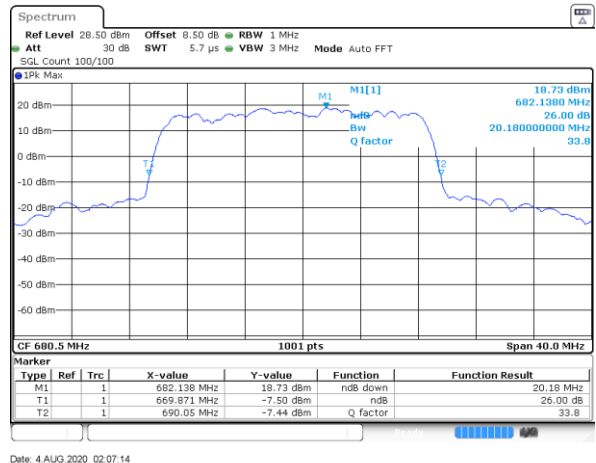
Lowest Channel



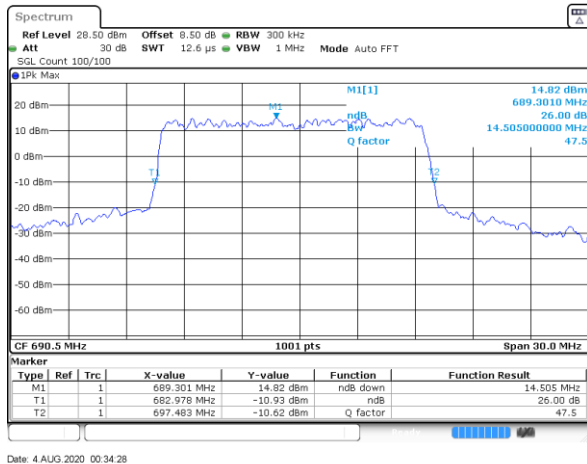
Middle Channel



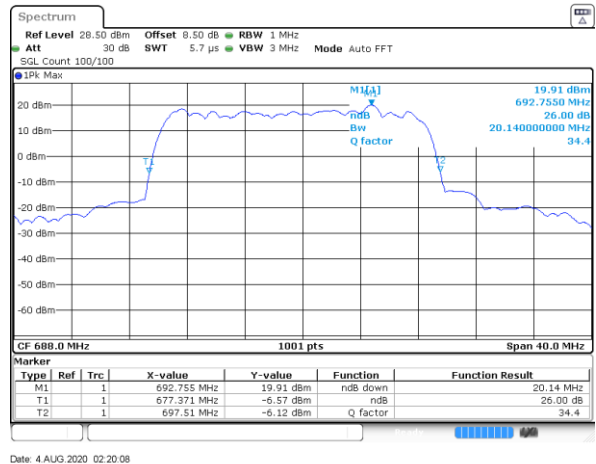
Middle Channel



Highest Channel



Highest Channel



**Occupied Bandwidth**

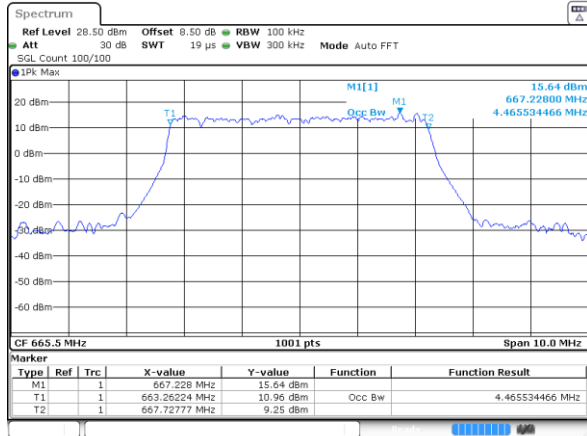
Mode	FR1 n71 : 99%OBW (MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.47	4.47	9.05	9.07	13.55	13.52	18.22	18.50
Middle CH	4.51	4.47	9.07	9.05	13.46	13.40	18.30	18.26
Highest CH	4.48	4.50	9.05	9.05	13.49	13.49	18.26	18.34



FR1 n71 / 5MHz / DFT-S OFDM

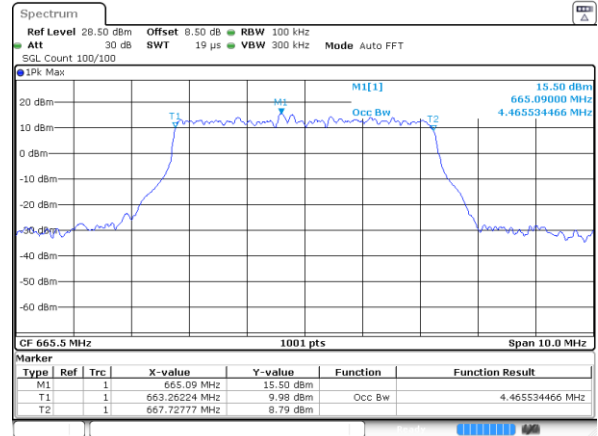
QPSK

Lowest Channel

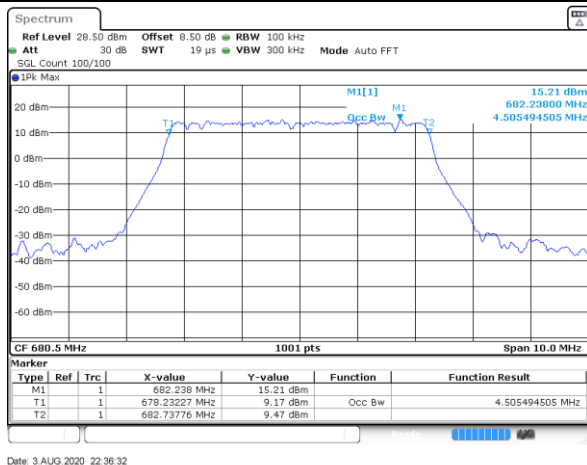


16QAM

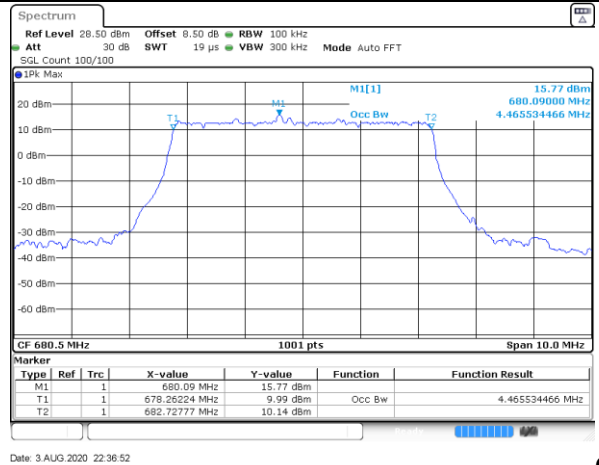
Lowest Channel



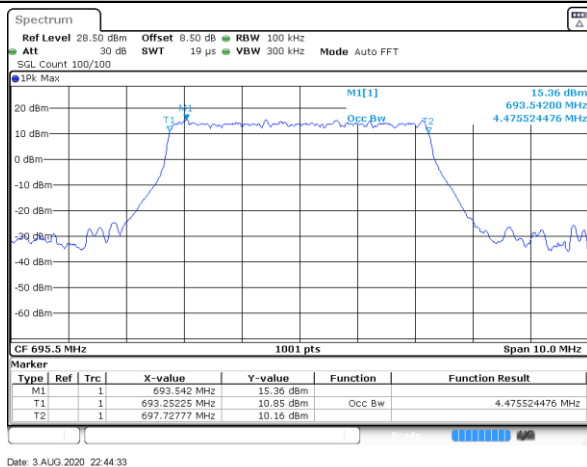
Middle Channel



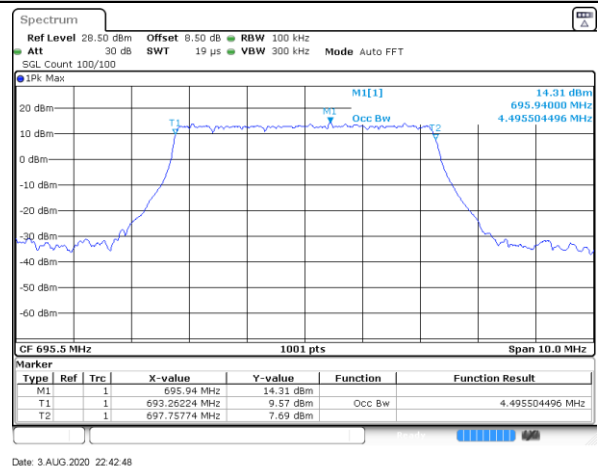
Middle Channel



Highest Channel



Highest Channel

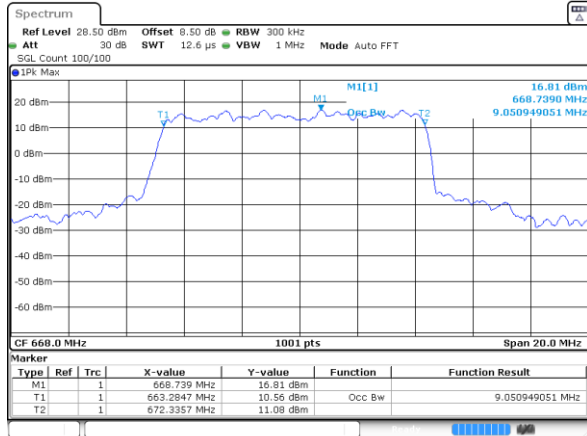




FR1 n71 / 10MHz / DFT-S OFDM

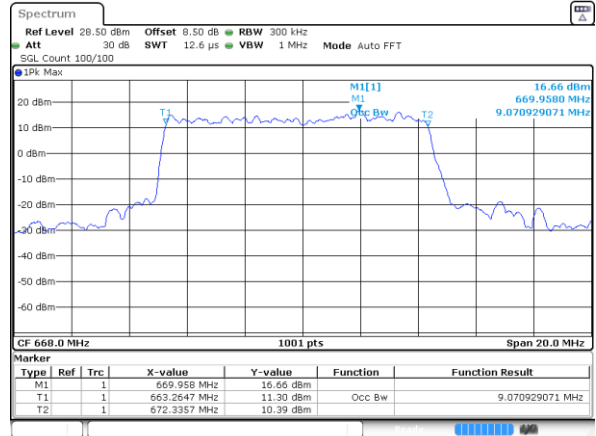
QPSK

Lowest Channel

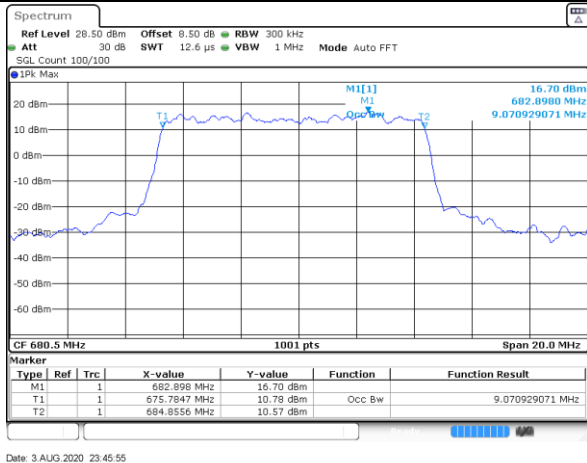


16QAM

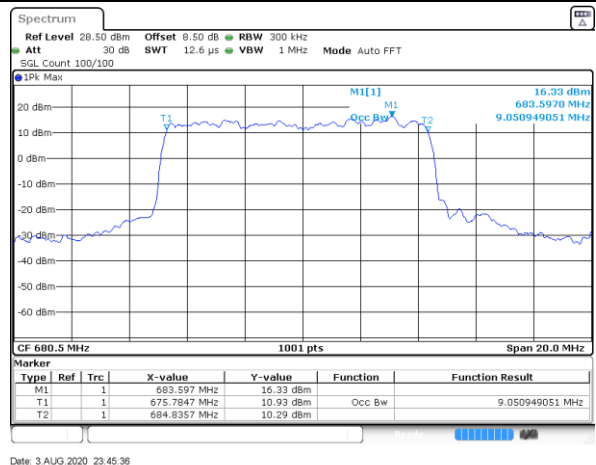
Lowest Channel



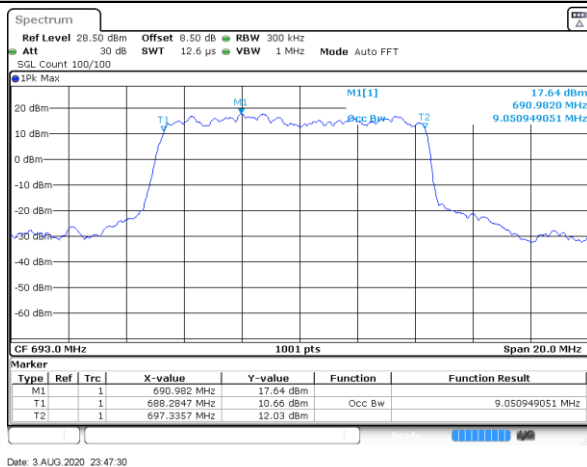
Middle Channel



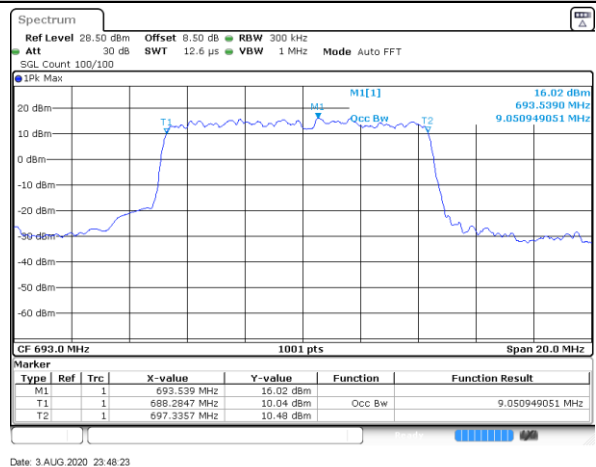
Middle Channel



Highest Channel



Highest Channel

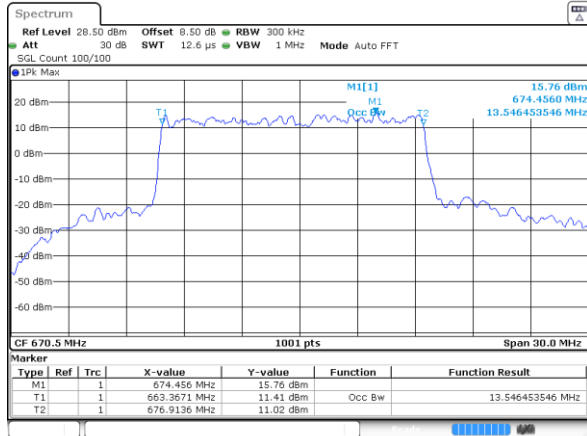




FR1 n71 / 15MHz / DFT-S OFDM

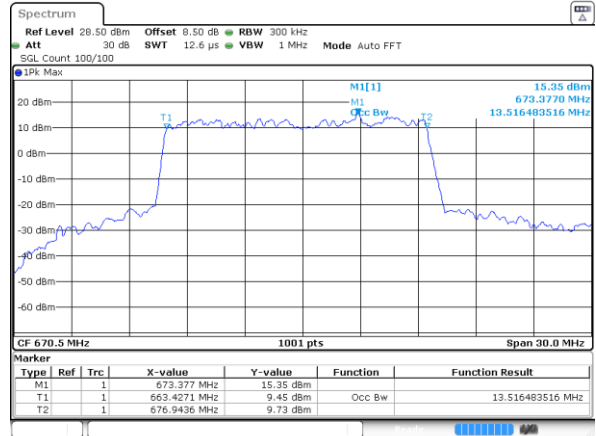
QPSK

Lowest Channel

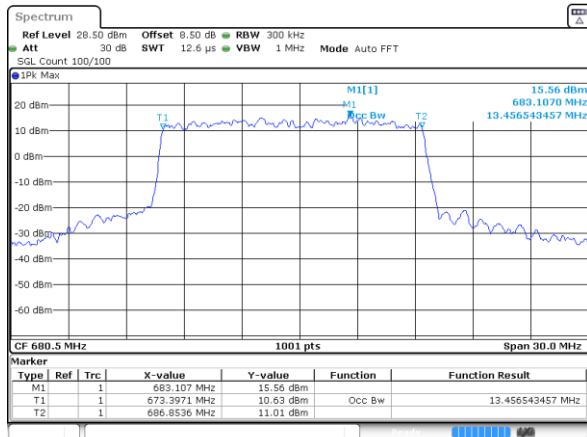


16QAM

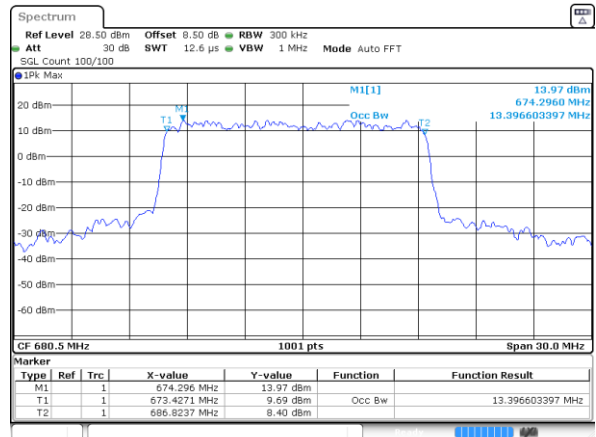
Lowest Channel



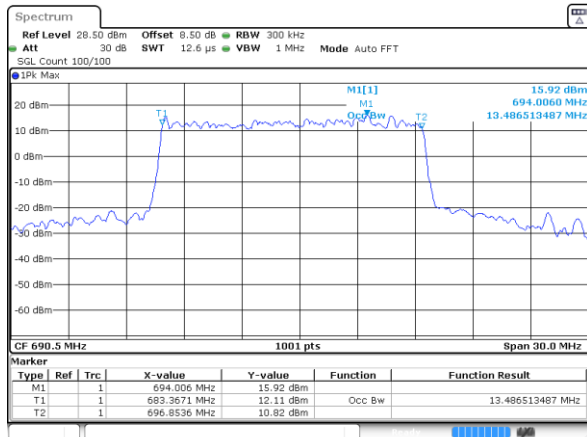
Middle Channel



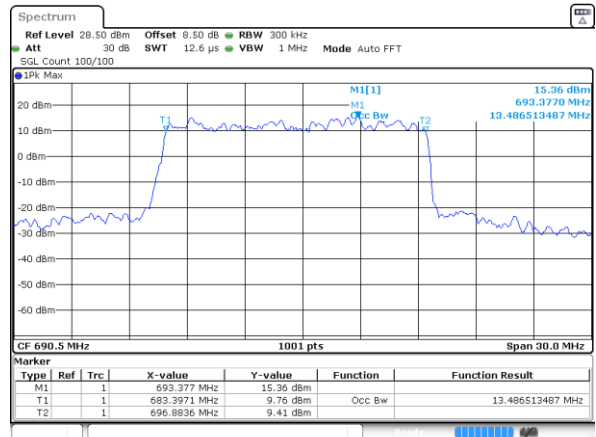
Middle Channel



Highest Channel



Highest Channel

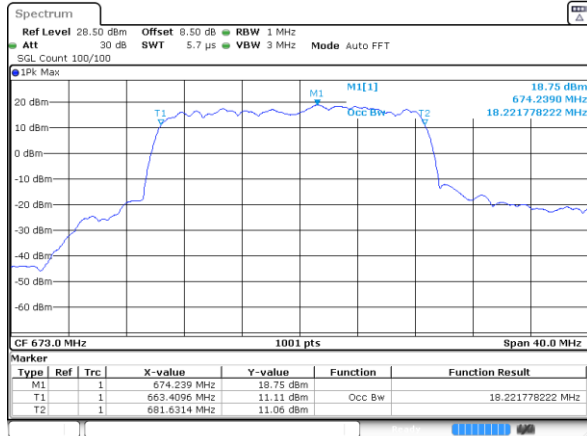




FR1 n71 / 20MHz / DFT-S OFDM

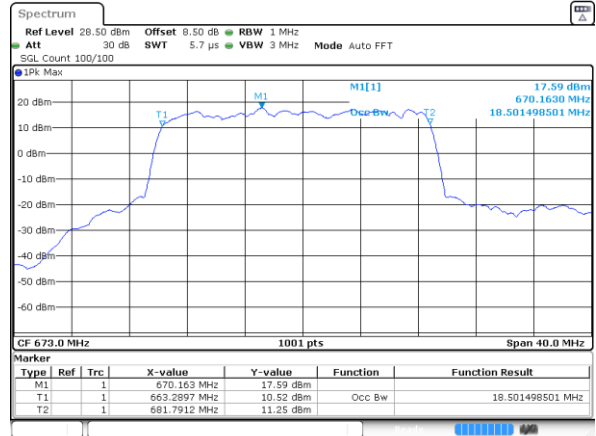
QPSK

Lowest Channel

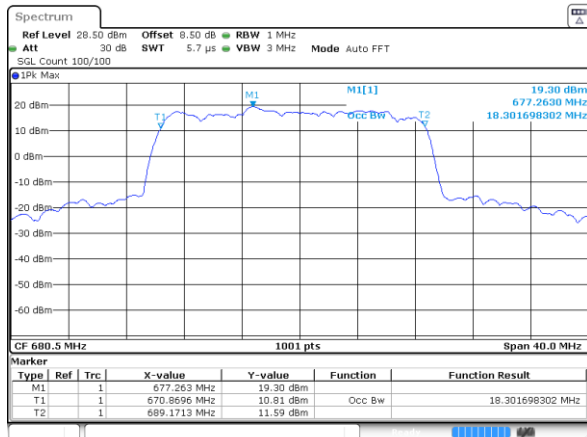


16QAM

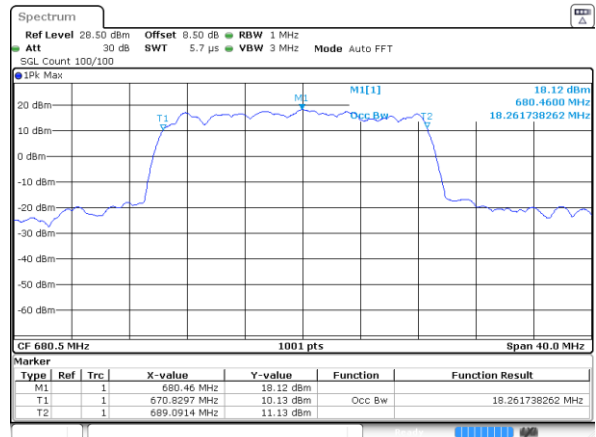
Lowest Channel



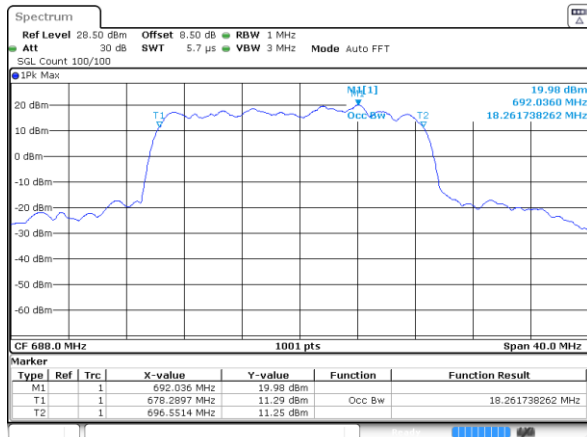
Middle Channel



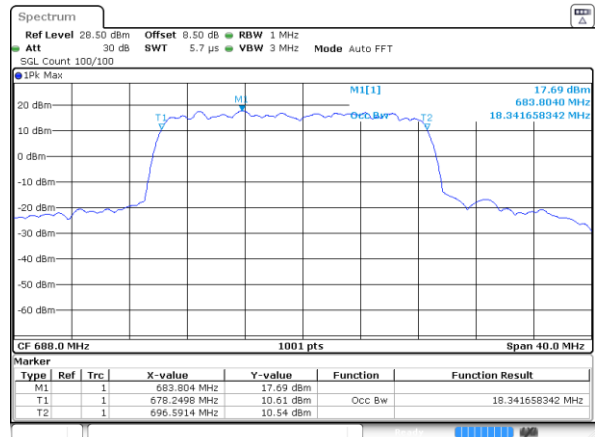
Middle Channel



Highest Channel



Highest Channel

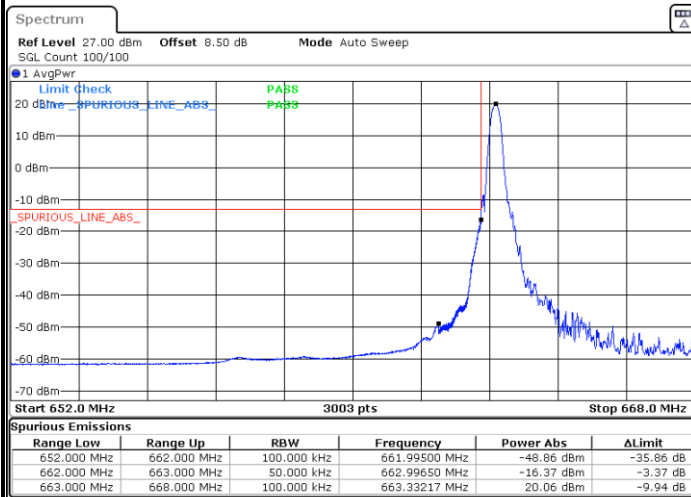




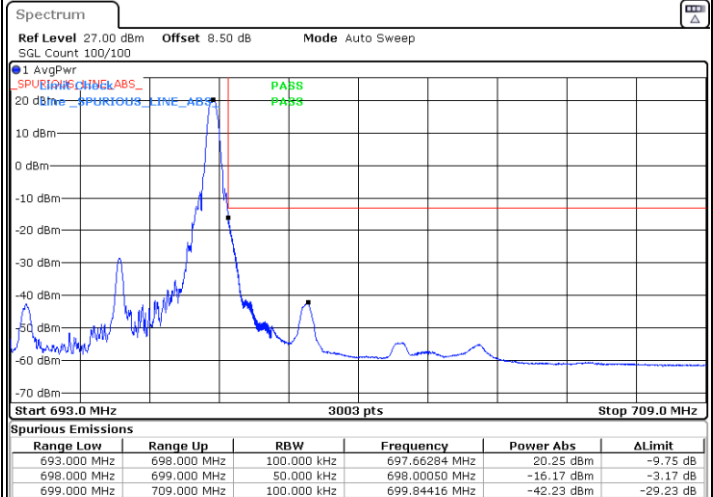
Conducted Band Edge

FR1 n71 / 5MHz / DFT-S OFDM / QPSK

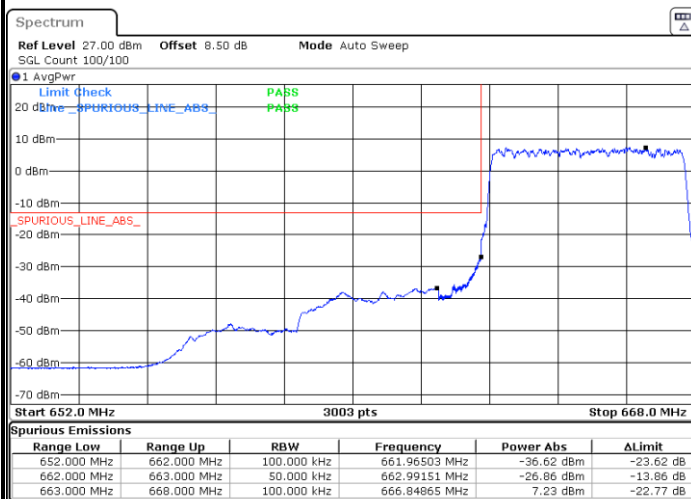
Lowest Band Edge / 1RB0



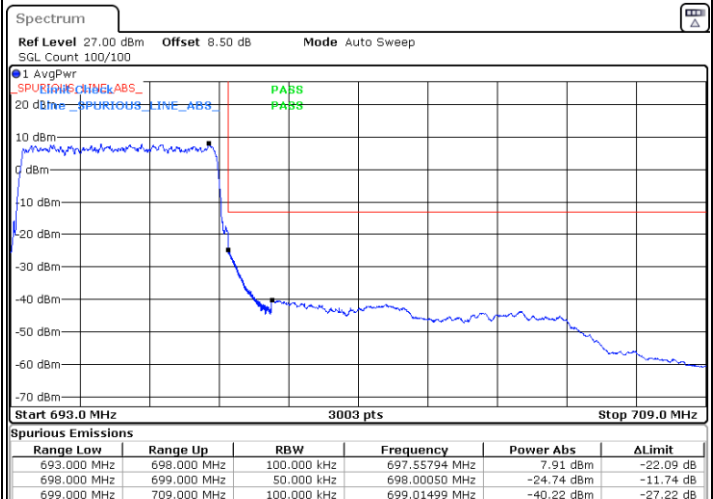
Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

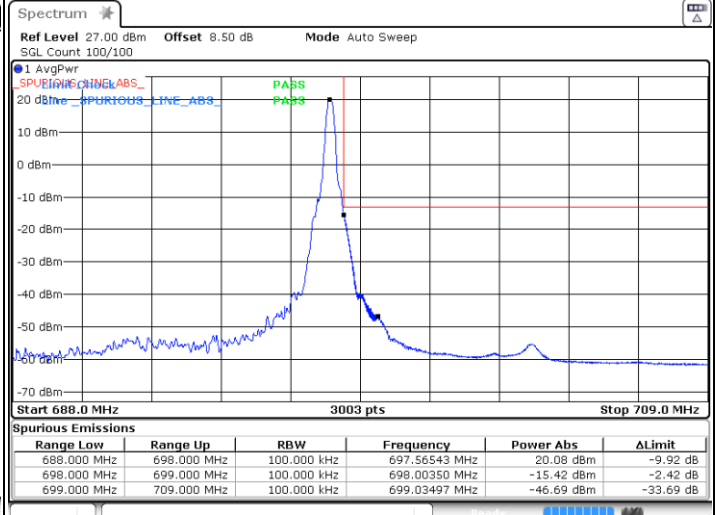
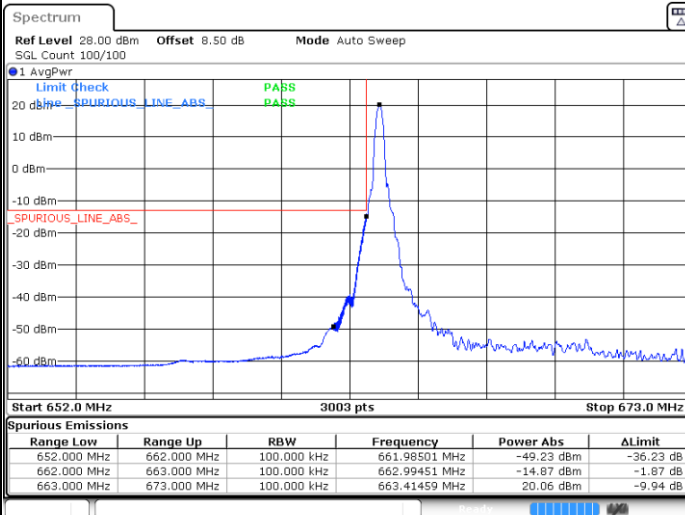




FR1 n71 / 10MHz / DFT-s-OFDM / QPSK

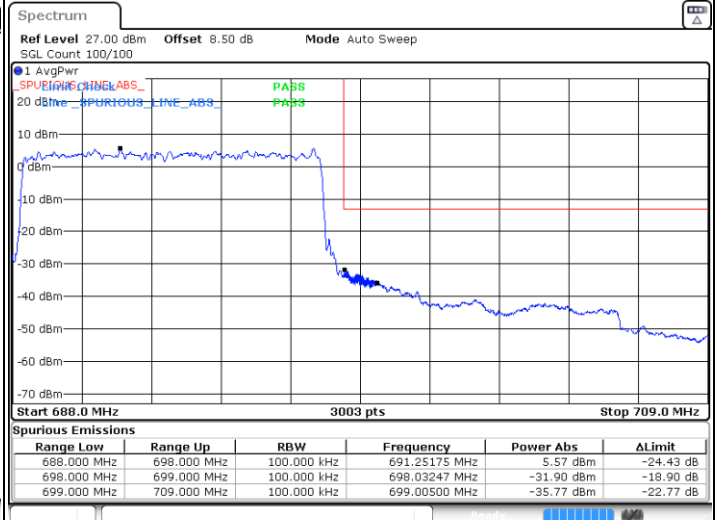
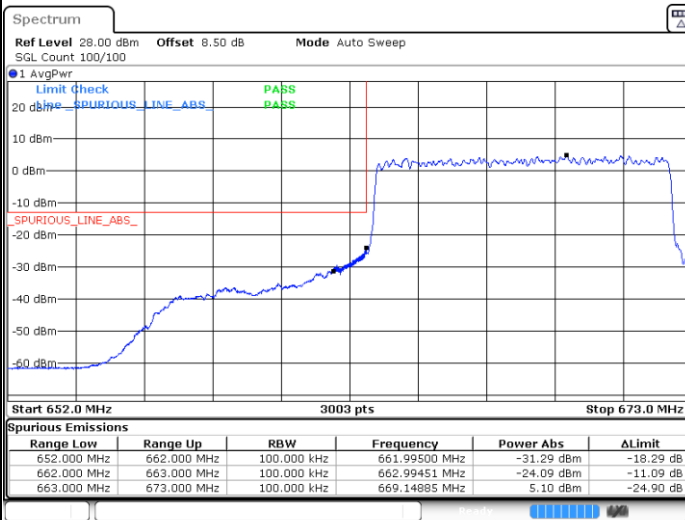
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

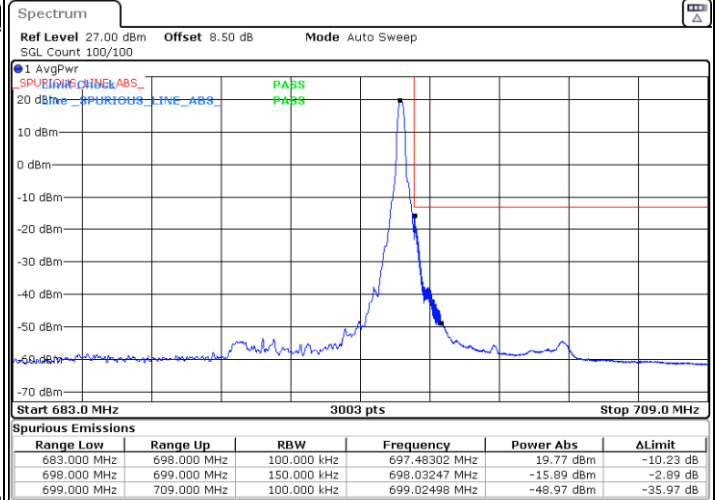
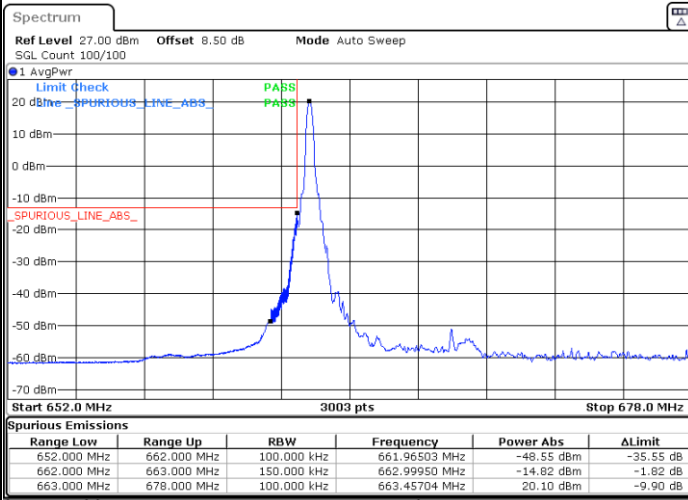




FR1 n71 / 15MHz / DFT-s-OFDM / QPSK

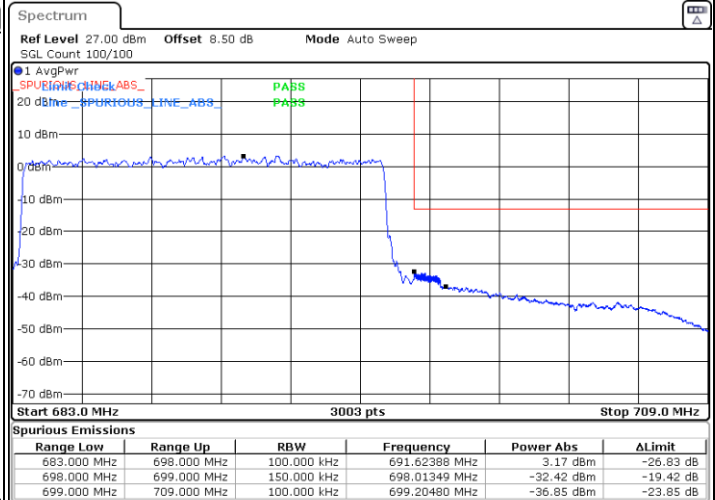
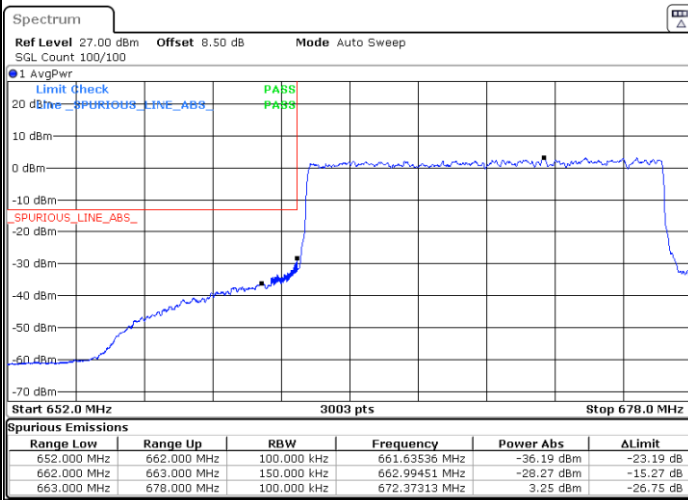
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

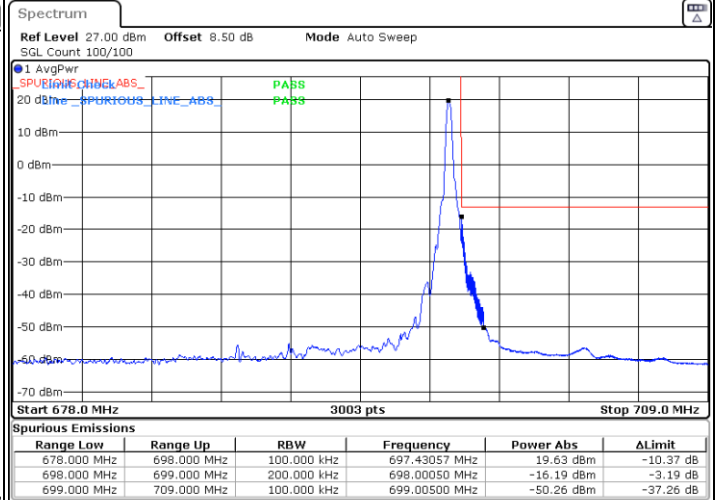
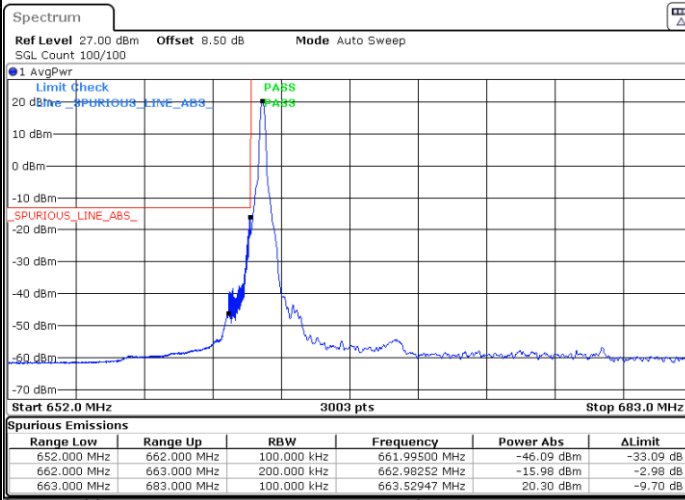




FR1 n71 / 20MHz / DFT-s-OFDM / QPSK

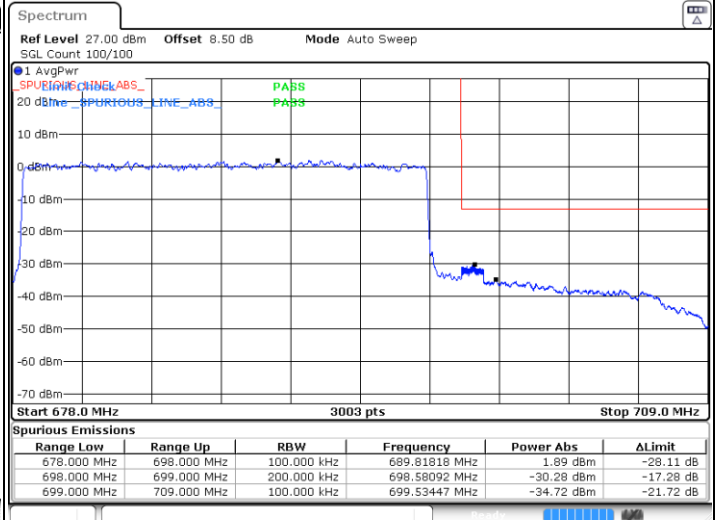
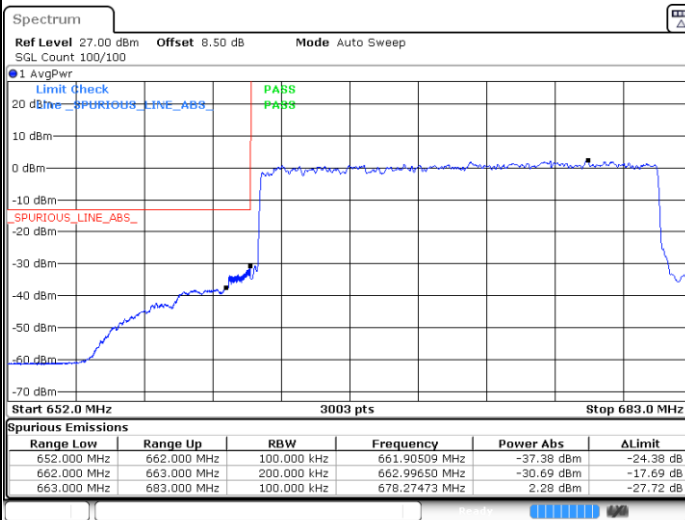
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

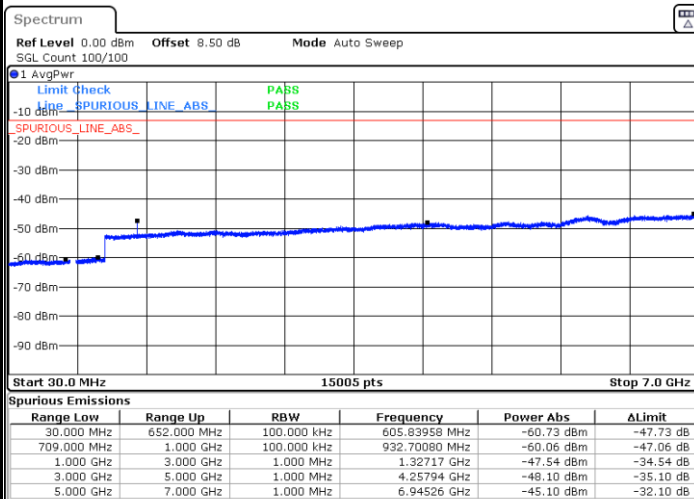




Conducted Spurious Emission

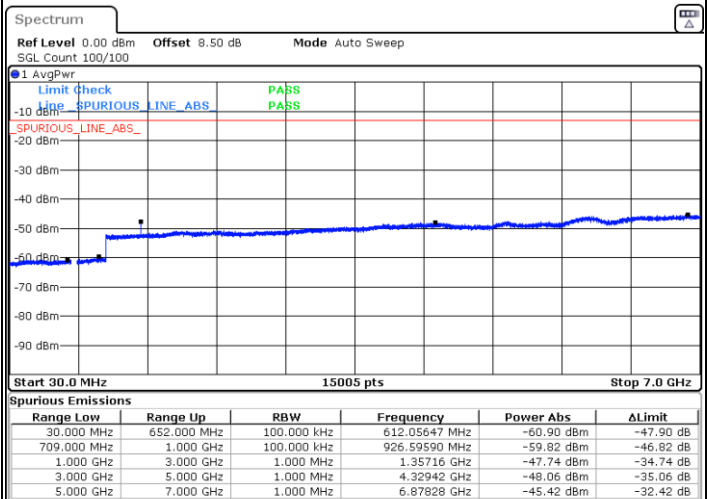
FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



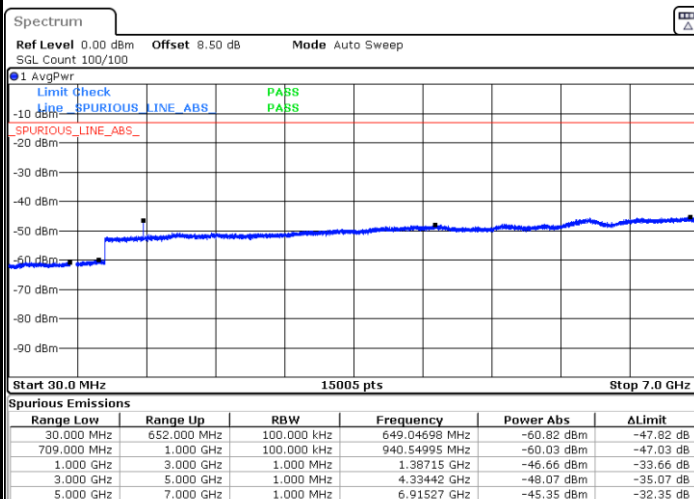
Date: 3 AUG 2020 22:07:14

Middle Channel / 1RB0



Date: 3 AUG 2020 22:12:58

Highest Channel / 1RB0

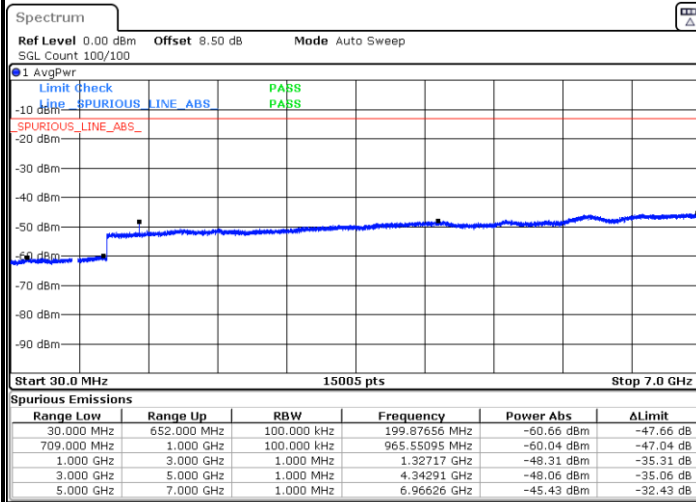


Date: 3 AUG 2020 23:21:38



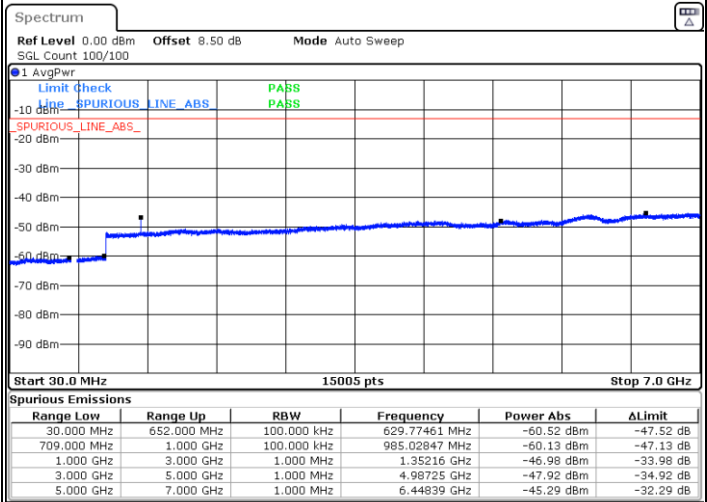
FR1 n71 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



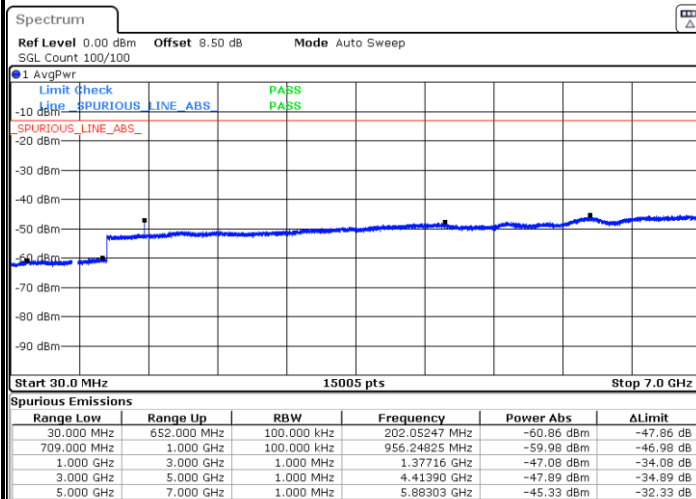
Date: 3 AUG 2020 23:33:31

Middle Channel / 1RB0



Date: 3 AUG 2020 23:35:55

Highest Channel / 1RB0

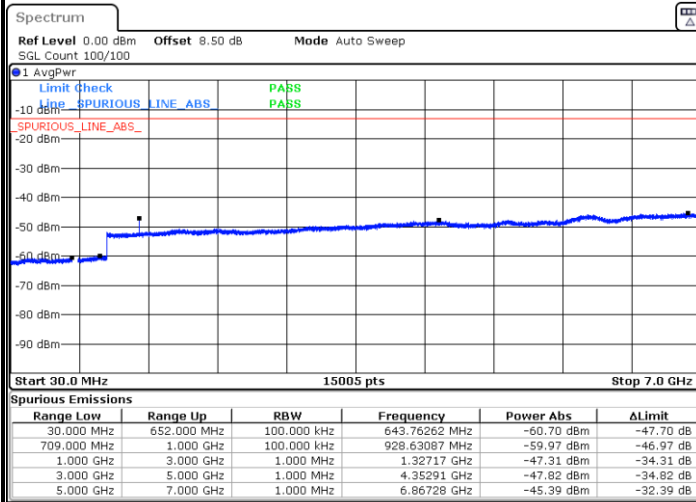


Date: 3 AUG 2020 23:54:58



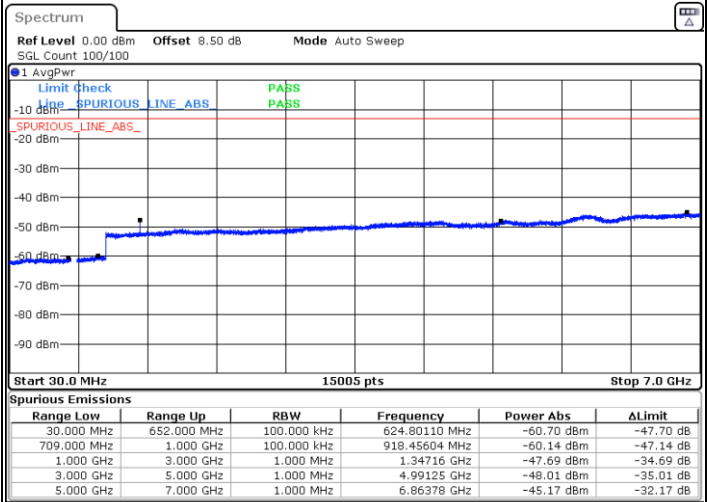
FR1 n71 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0



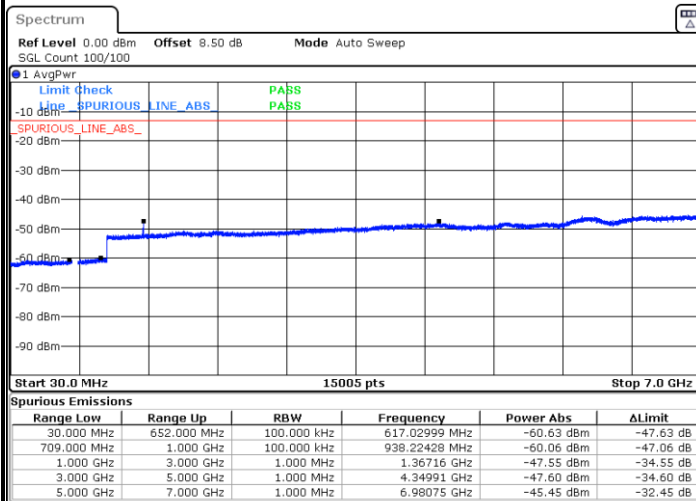
Date: 4 AUG 2020 00:25:23

Middle Channel / 1RB0



Date: 4 AUG 2020 00:27:28

Highest Channel / 1RB0



Date: 4 AUG 2020 00:41:34