



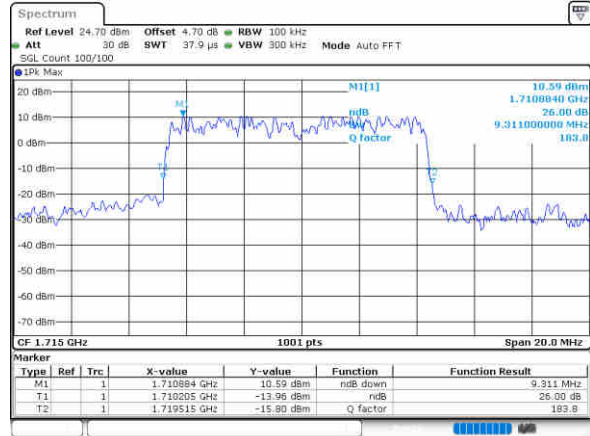
FR1 n66+5A / 10MHz / DFT-S OFDM

PI/2 BPSK

QPSK

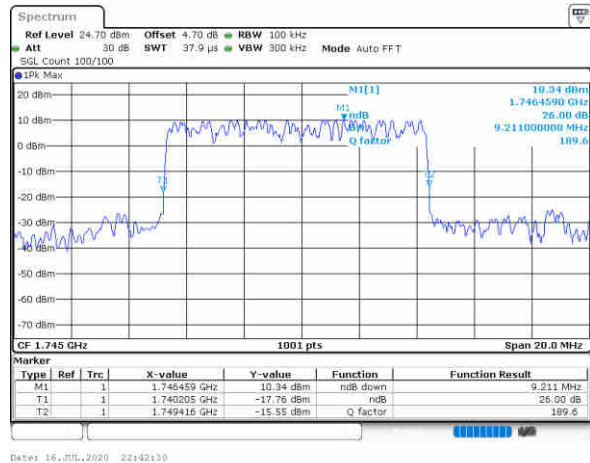
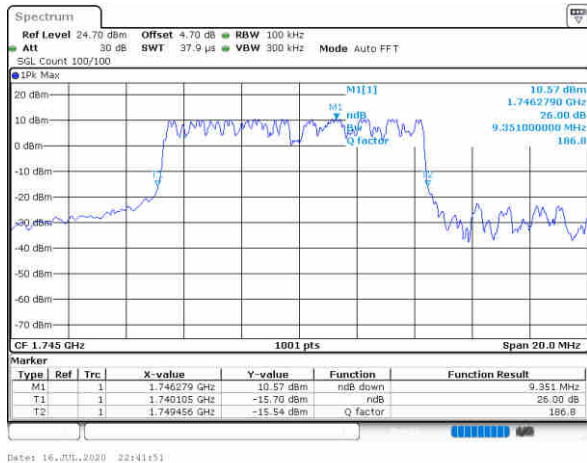
Lowest Channel

Lowest Channel



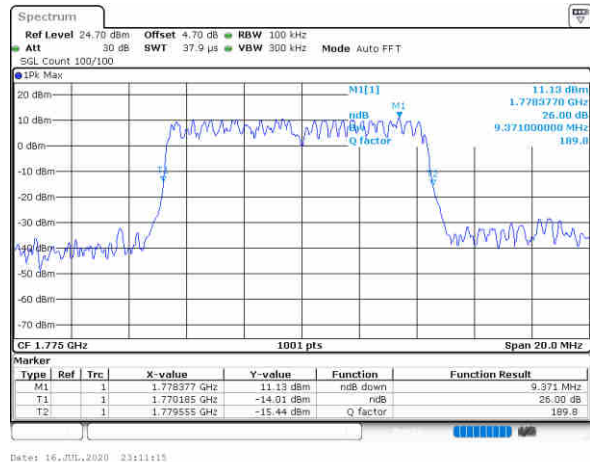
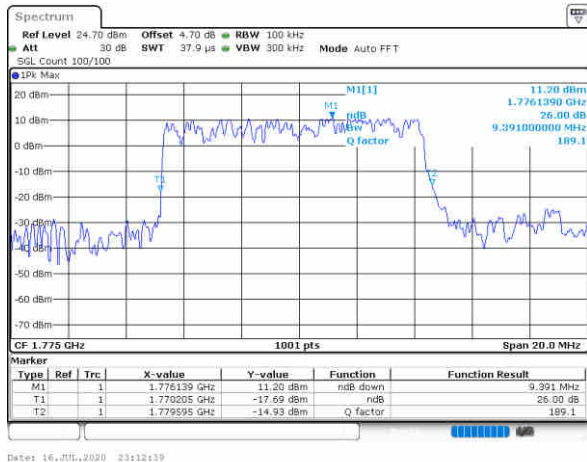
Middle Channel

Middle Channel



Highest Channel

Highest Channel

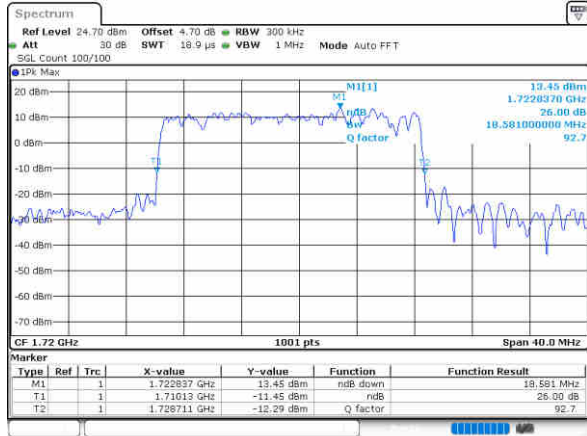




FR1 n66+5A / 20MHz / DFT-S OFDM

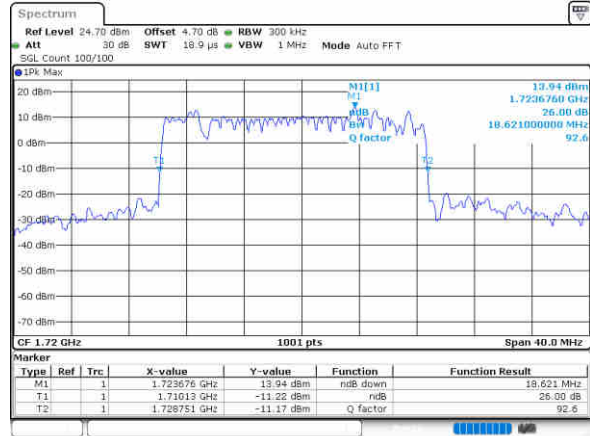
PI/2 BPSK

Lowest Channel

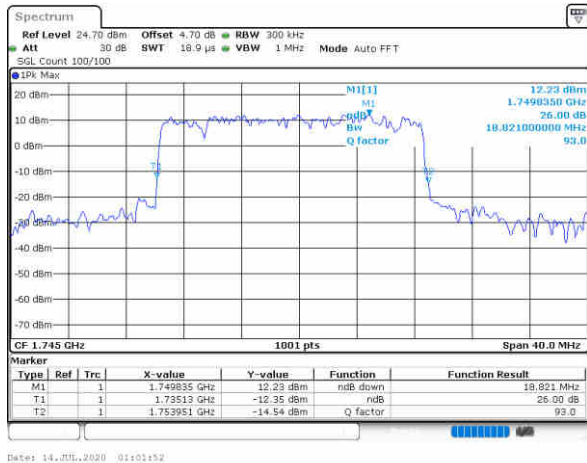


QPSK

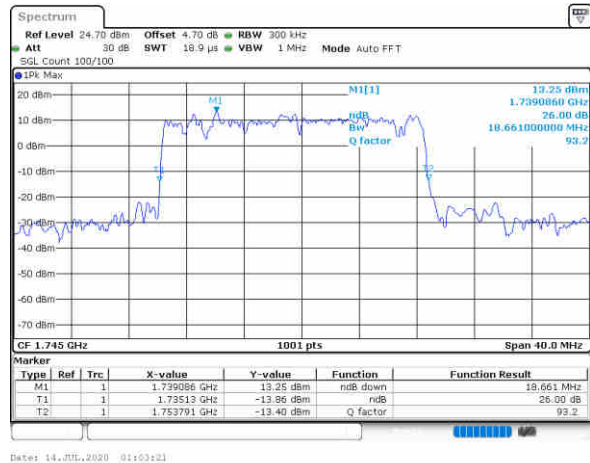
Lowest Channel



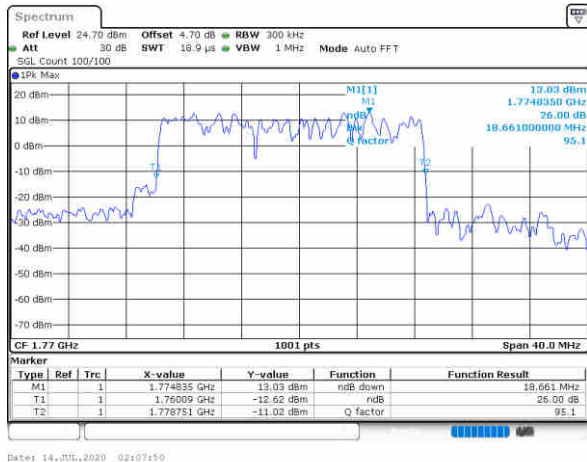
Middle Channel



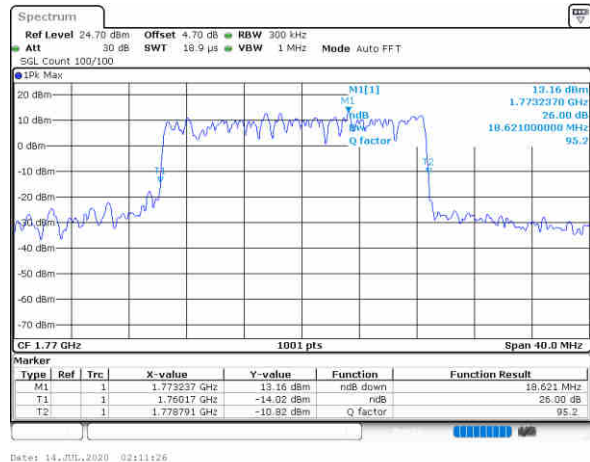
Middle Channel



Highest Channel



Highest Channel



**Occupied Bandwidth**

Mode	FR1 n66+5A : OB BW(MHz) / DFT-S OFDM							
BW	5MHz	5MHz	10MHz	10MHz	20MHz	20MHz		
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Lowest CH	4.43	4.45	8.93	8.93	17.86	17.82		
Middle CH	4.53	4.47	8.83	8.93	17.94	17.9		
Highest CH	4.48	4.46	8.91	8.93	17.9	18.02		



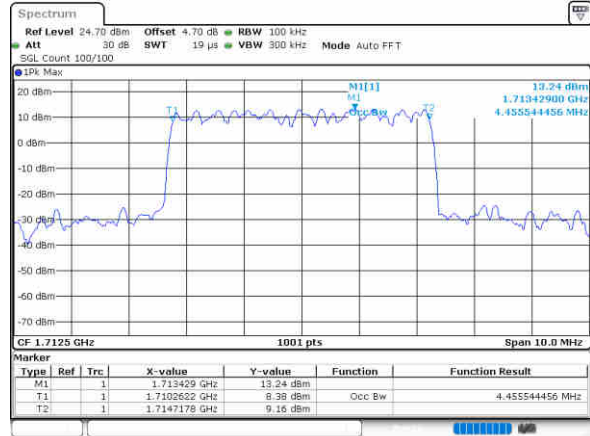
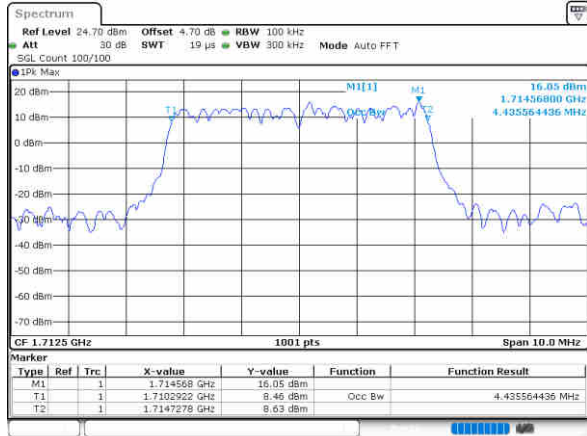
FR1 n66+5A / 5MHz / DFT-S OFDM

PI/2 BPSK

QPSK

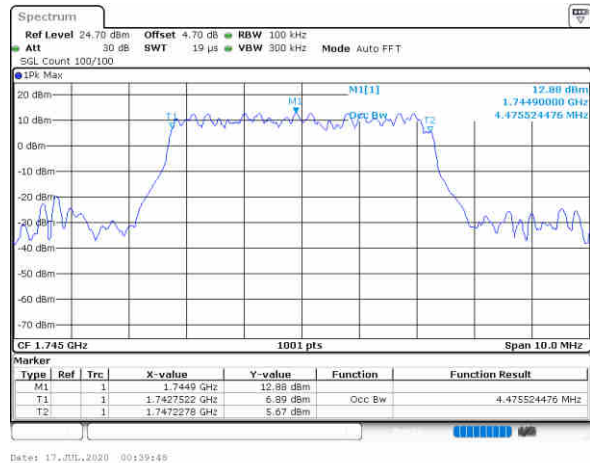
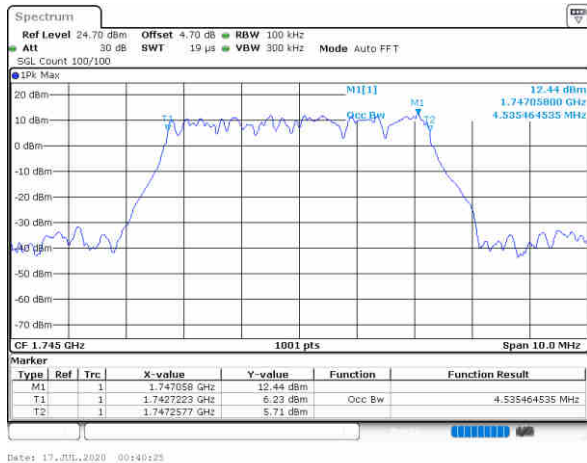
Lowest Channel

Lowest Channel



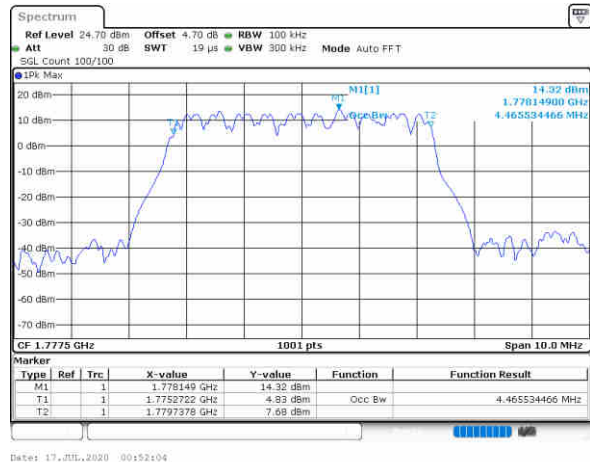
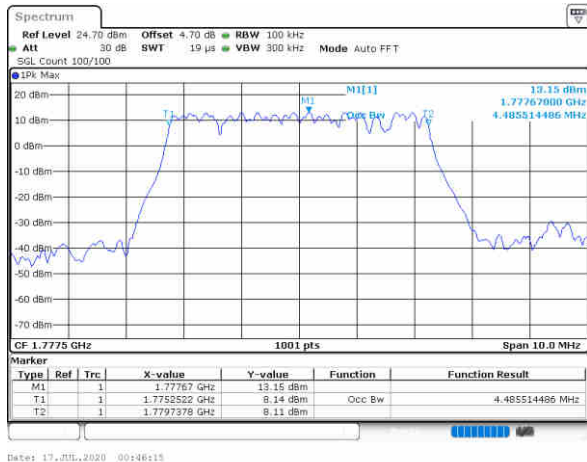
Middle Channel

Middle Channel



Highest Channel

Highest Channel





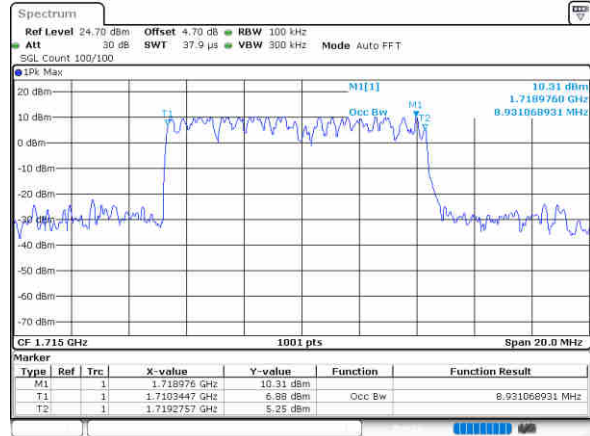
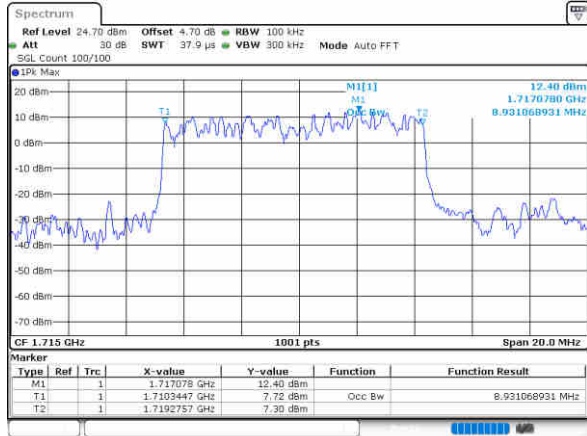
FR1 n66+5A / 10MHz / DFT-S OFDM

PI/2 BPSK

QPSK

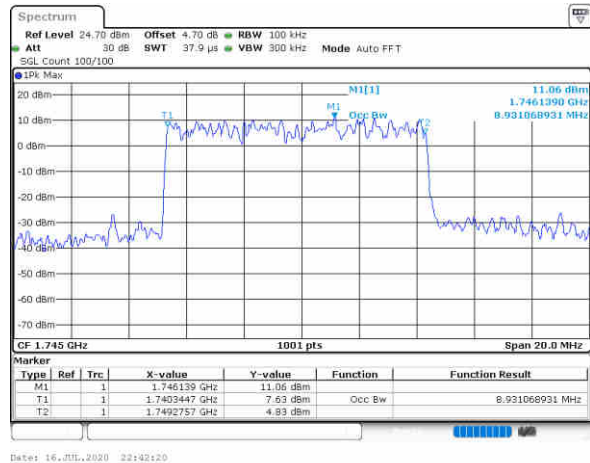
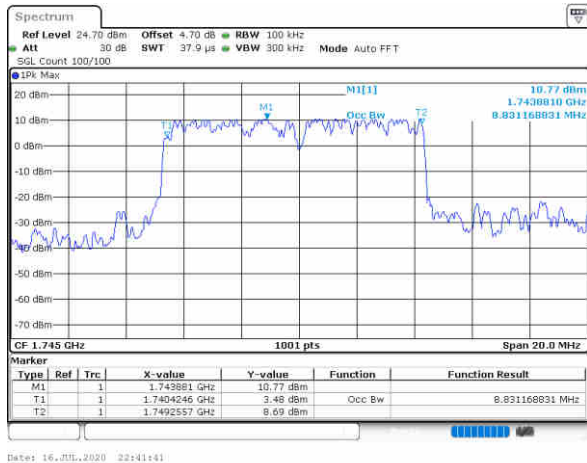
Lowest Channel

Lowest Channel



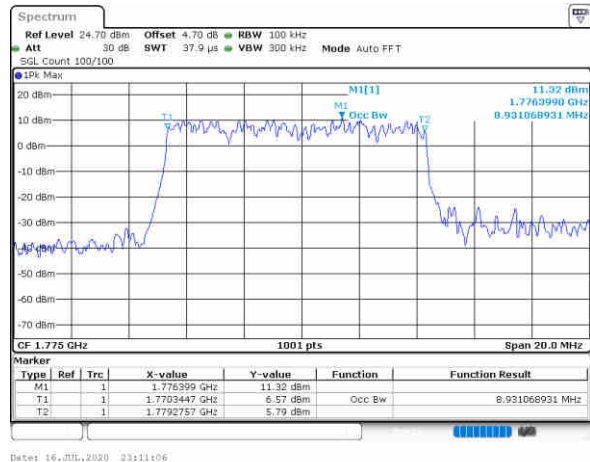
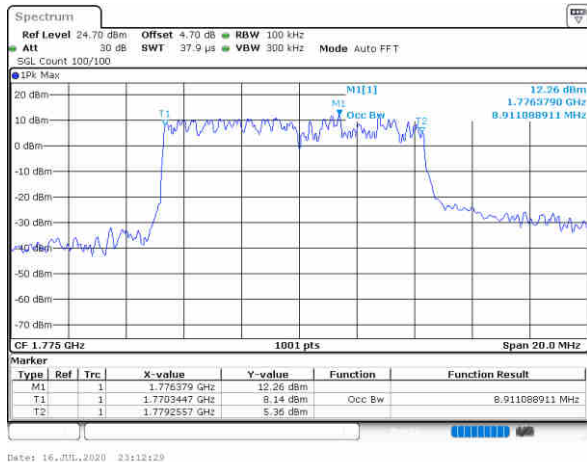
Middle Channel

Middle Channel



Highest Channel

Highest Channel





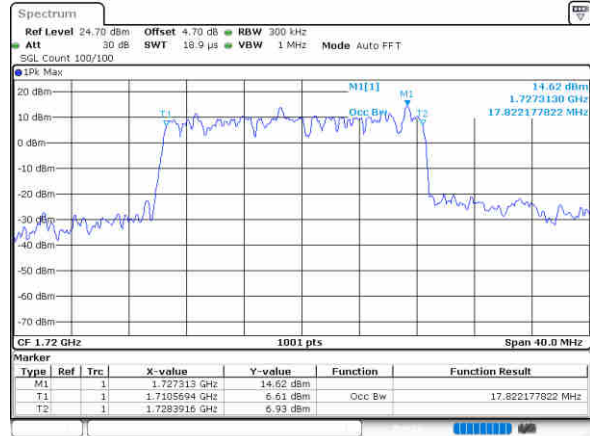
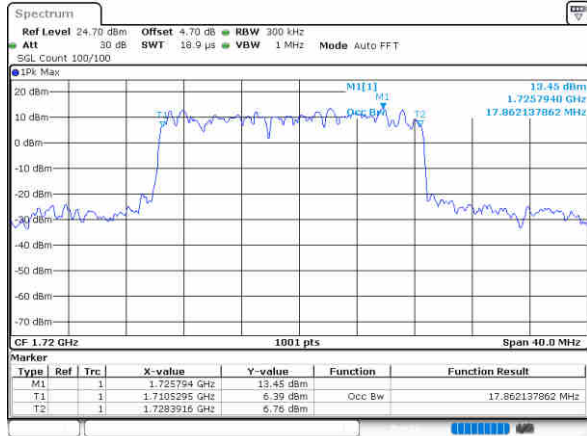
FR1 n66+5A / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

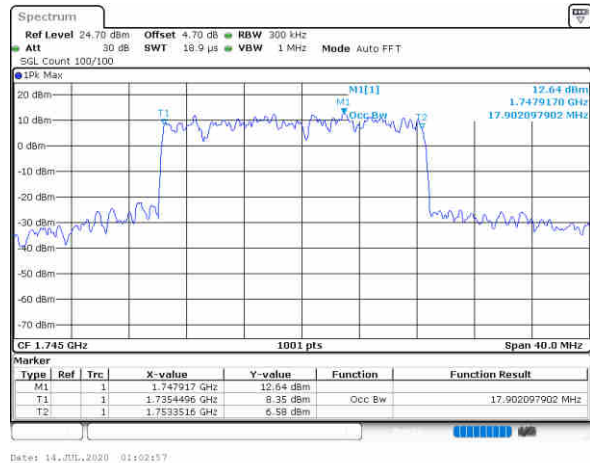
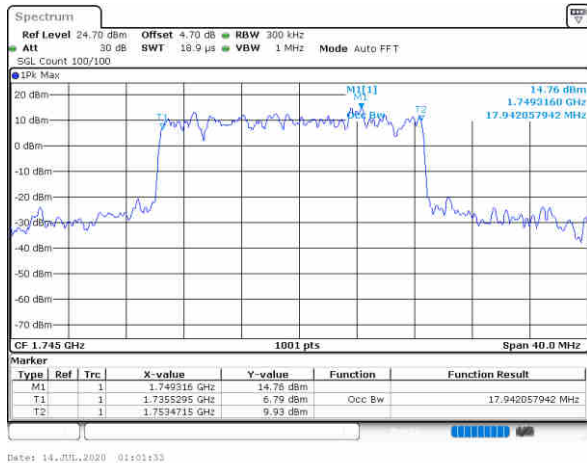
Lowest Channel

Lowest Channel



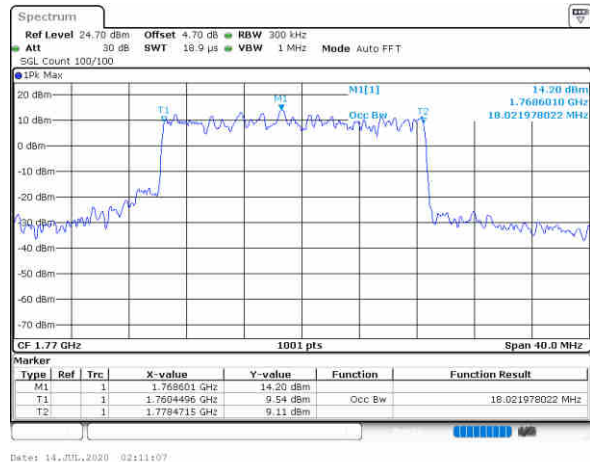
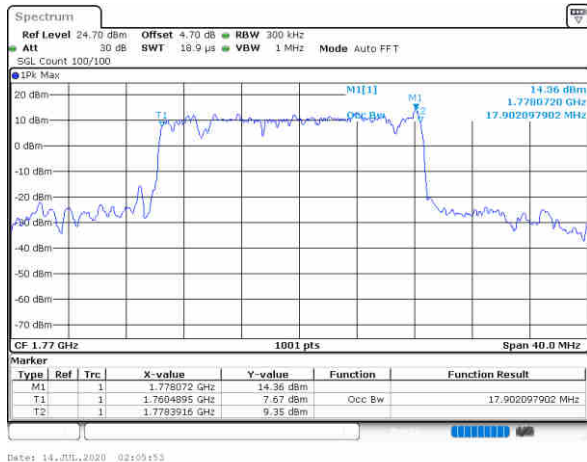
Middle Channel

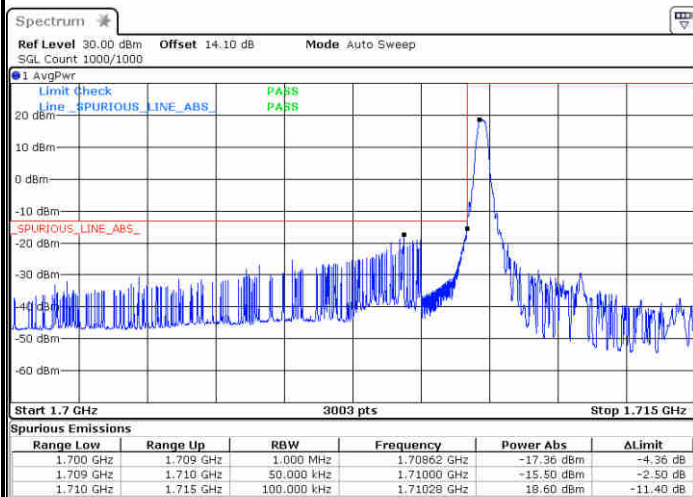
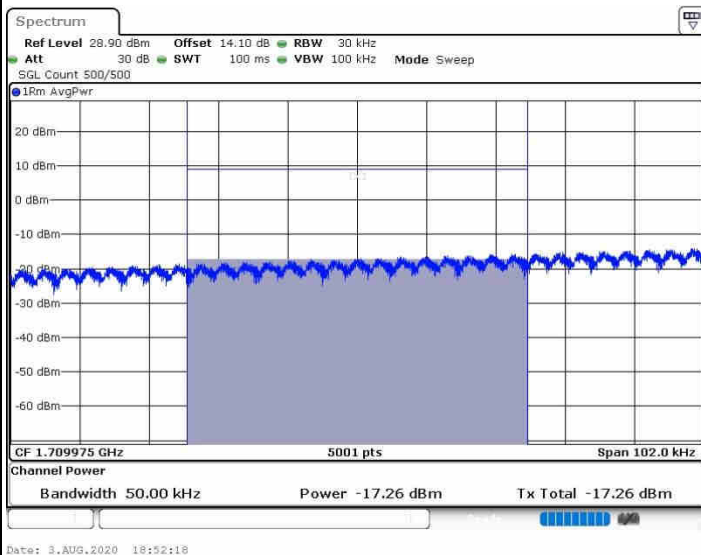
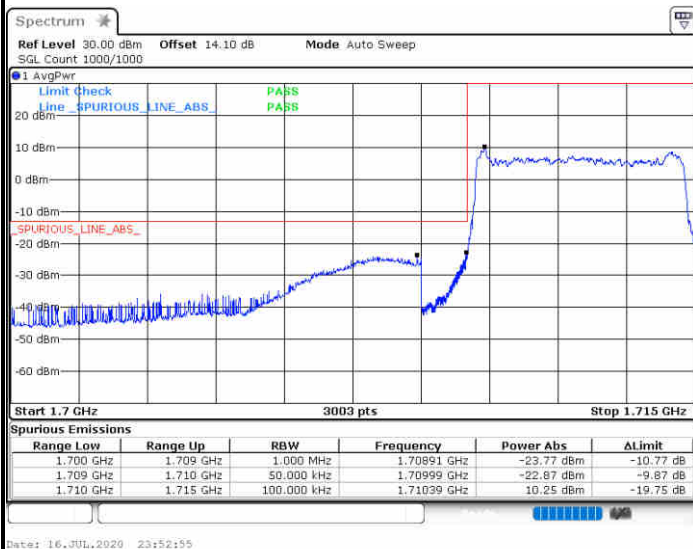
Middle Channel



Highest Channel

Highest Channel



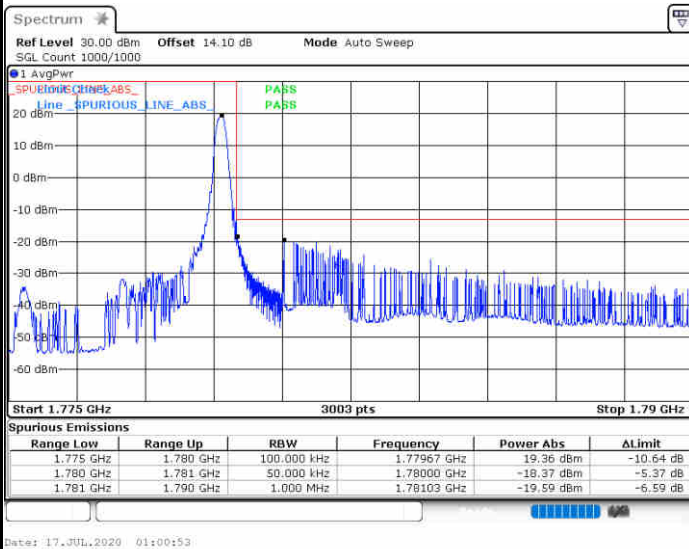
**Conducted Band Edge****FR1 n66+5A / 5MHz / DFT-S OFDM BPSK****Lowest Band Edge / 1 RB****Channel Power < -13dBm Pass****Lowest Band Edge / Full RB****Channel Power < -13dBm Pass**



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

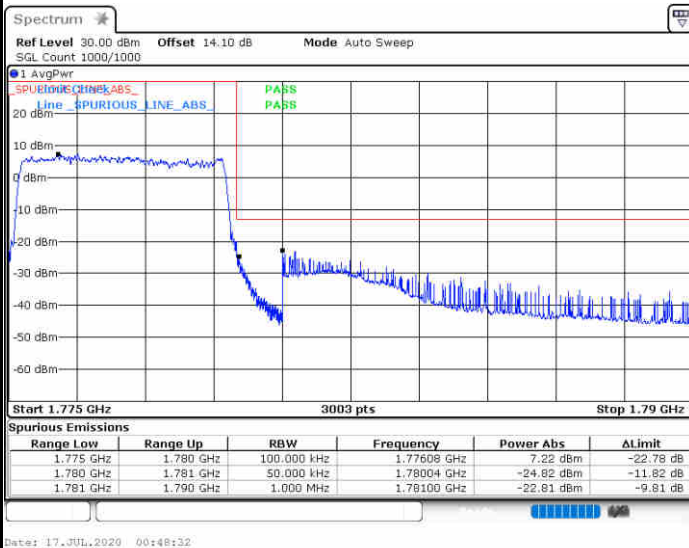
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

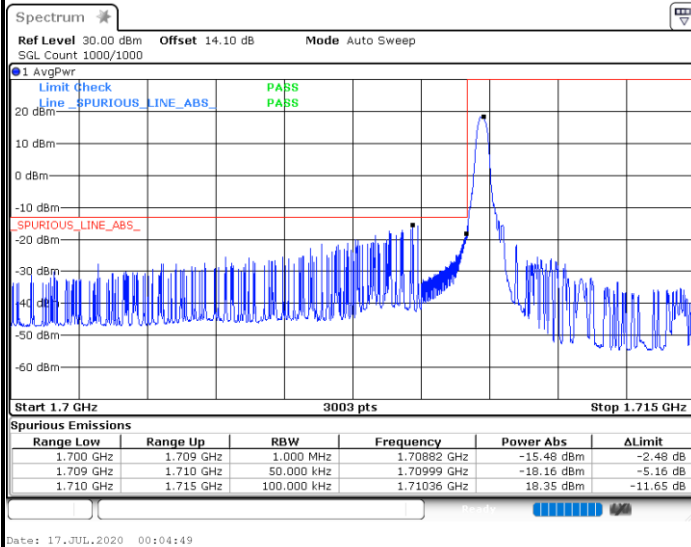
Channel Power < -13dBm Pass



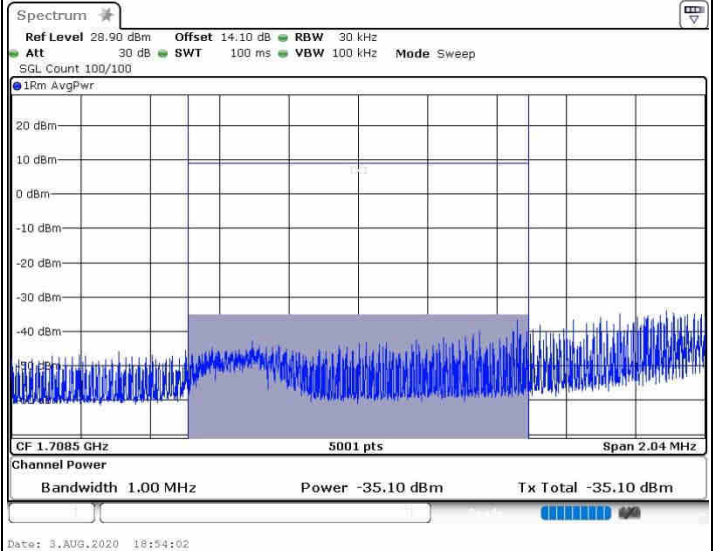


FR1 n66+5A / 5MHz / DFT-S OFDM QPSK

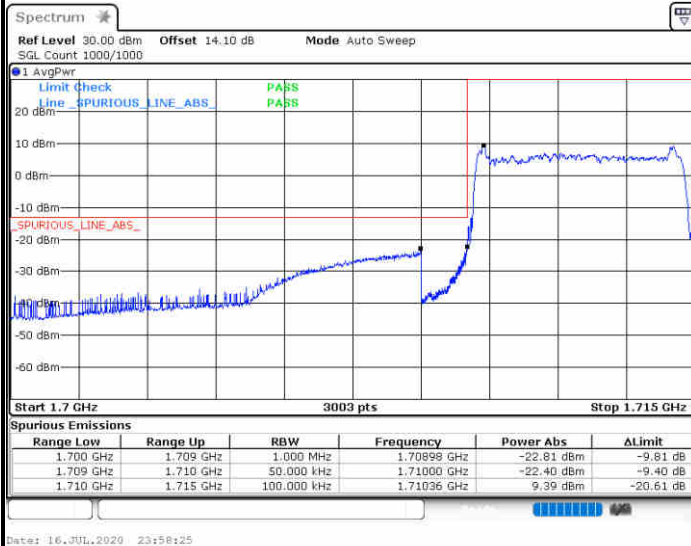
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



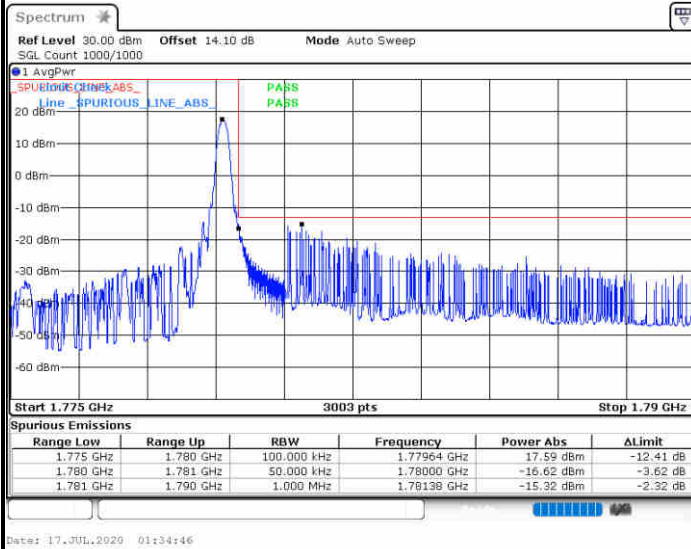
Channel Power < -13dBm Pass

/

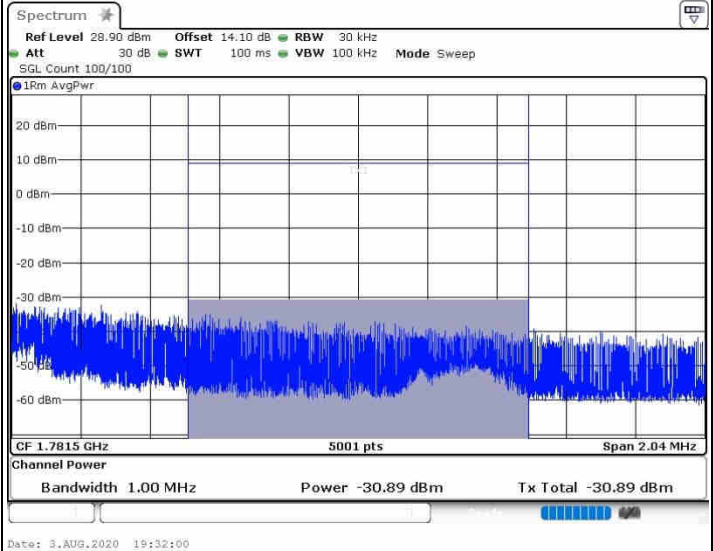


FR1 n66+5A / 5MHz / DFT-S OFDM QPSK

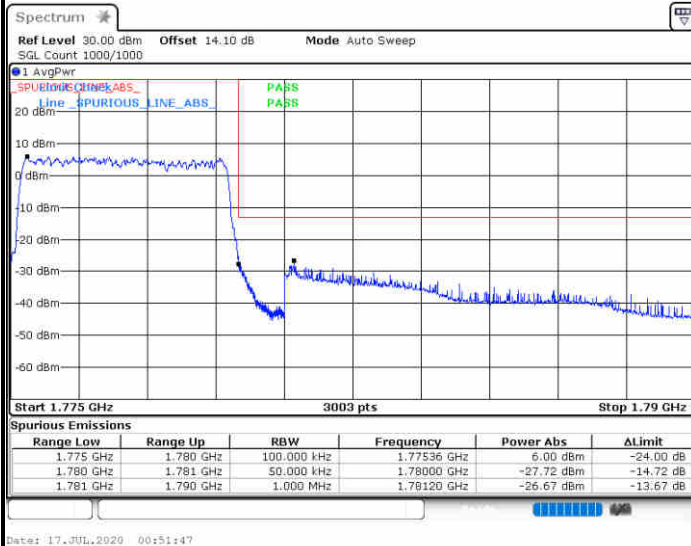
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



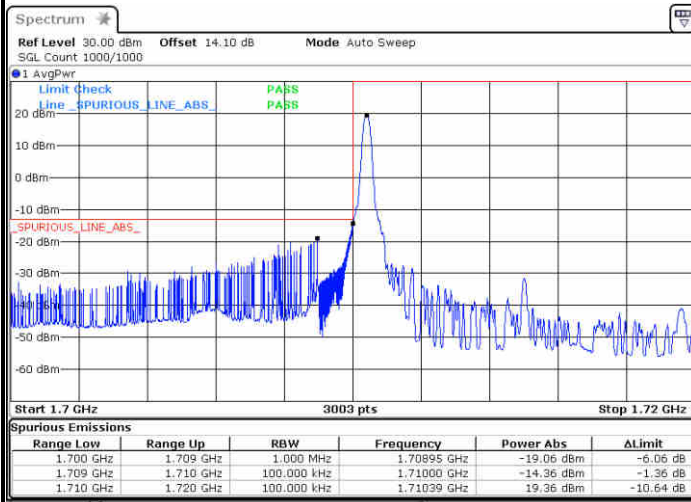
Channel Power < -13dBm Pass

/

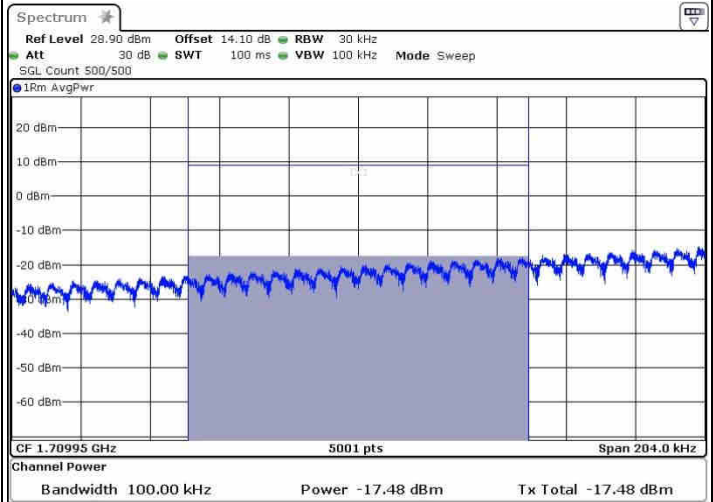


FR1 n66+5A / 10MHz / DFT-S OFDM BPSK

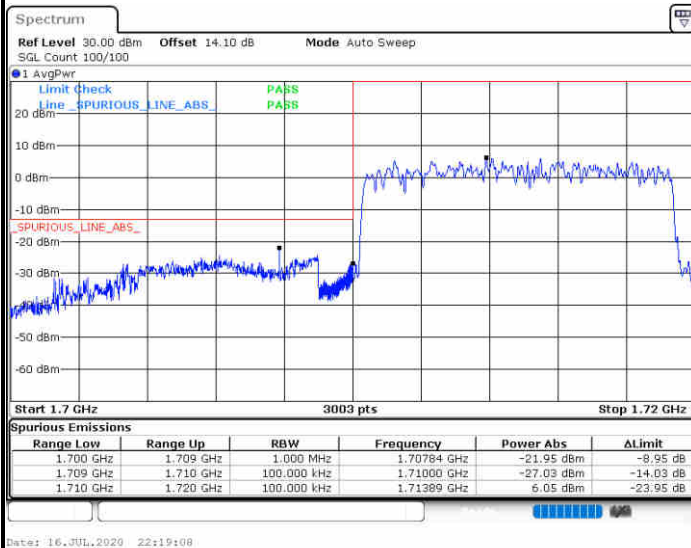
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

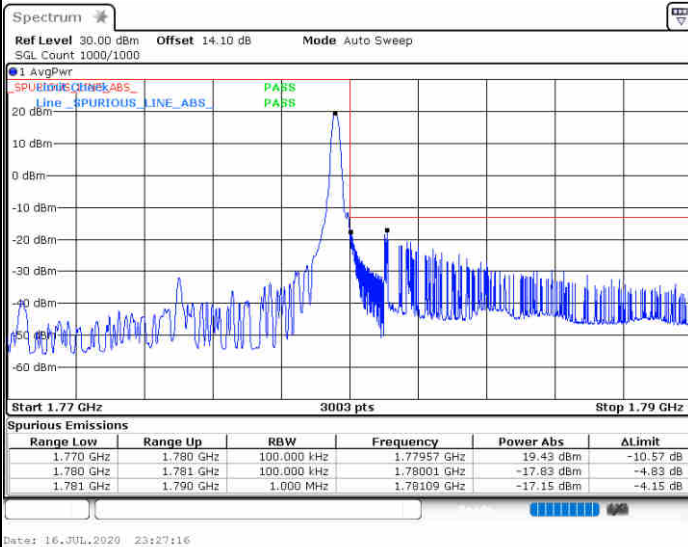
/



FR1 n66+5A / 10MHz / DFT-S OFDM BPSK

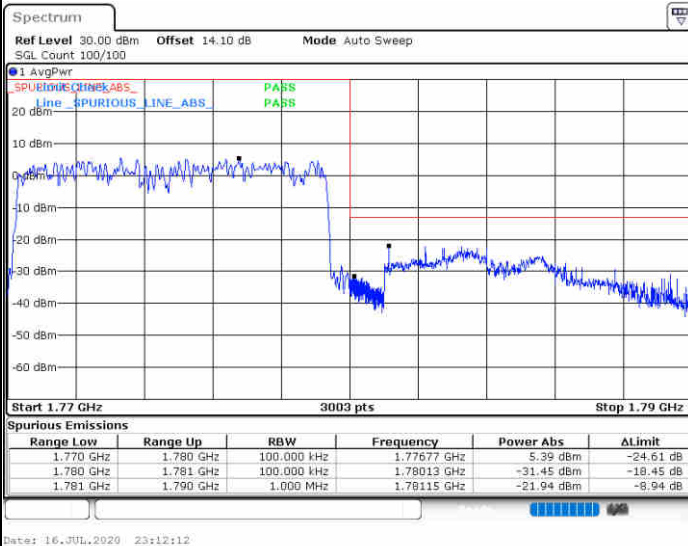
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

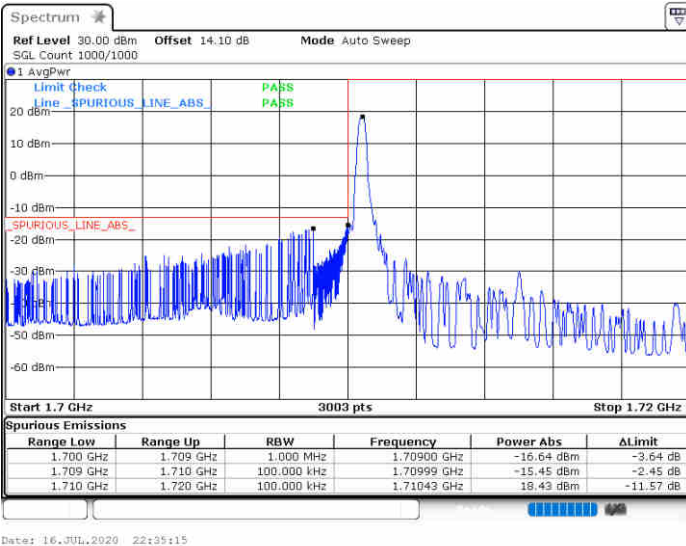
Channel Power < -13dBm Pass



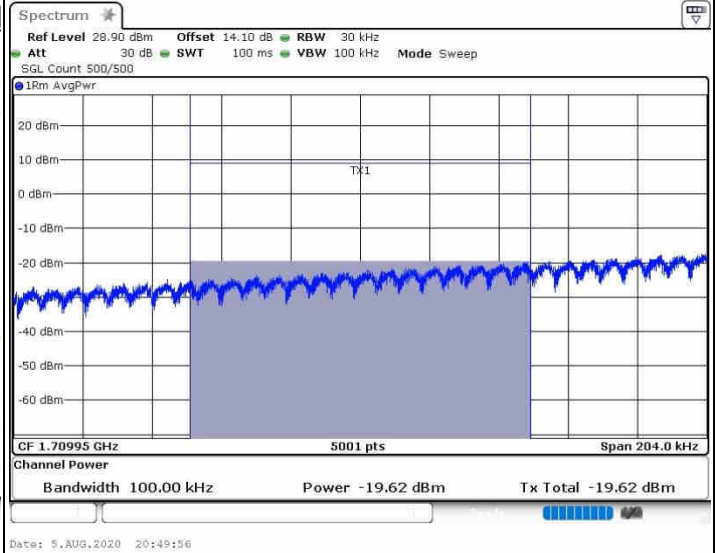


FR1 n66+5A / 10MHz / DFT-S OFDM QPSK

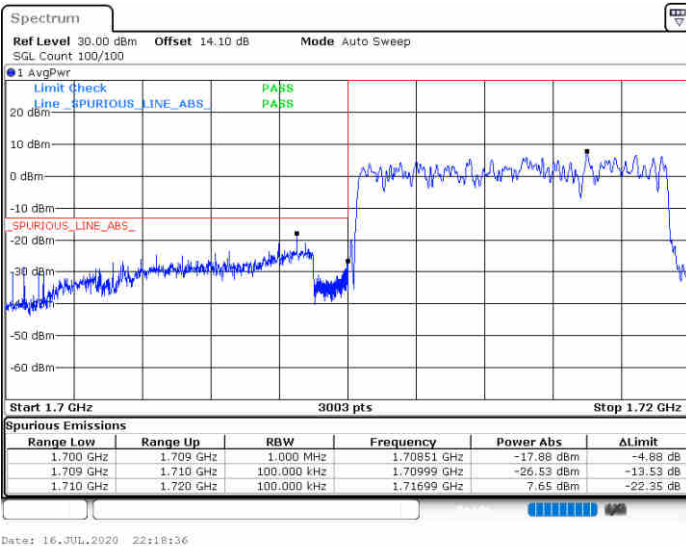
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



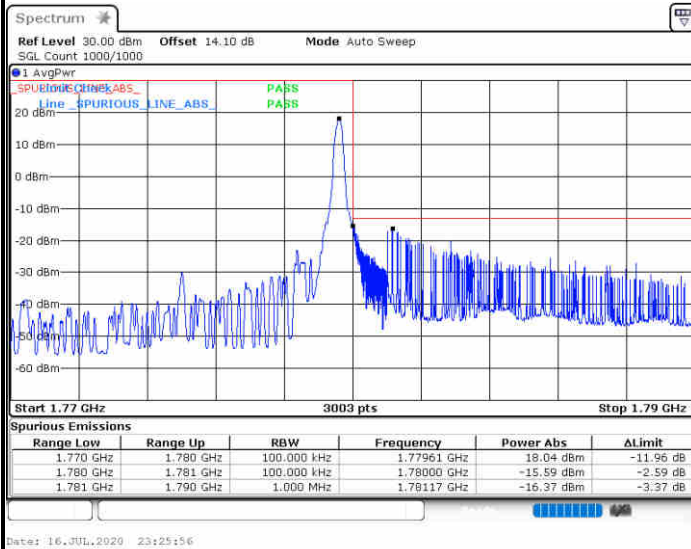
Channel Power < -13dBm Pass

/

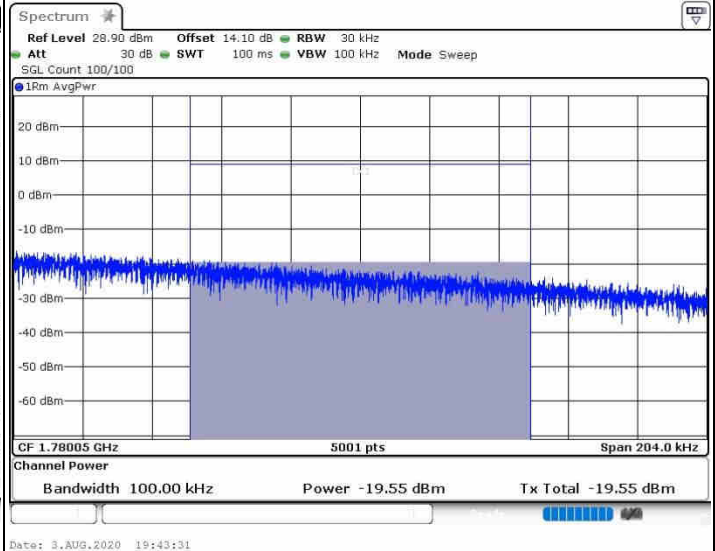


FR1 n66+5A / 10MHz / DFT-S OFDM QPSK

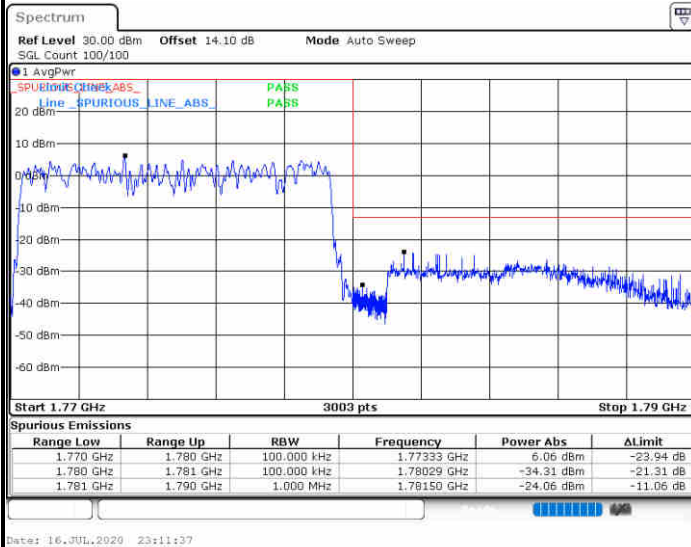
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



Channel Power < -13dBm Pass

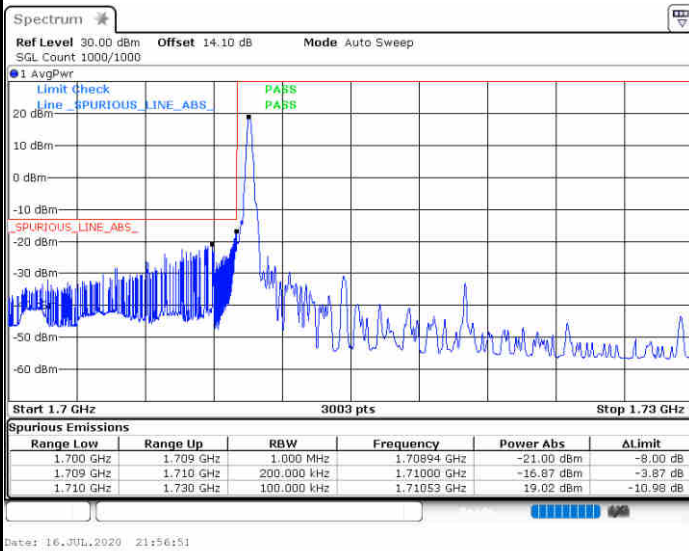
/



FR1 n66+5A / 20MHz / DFT-S OFDM BPSK

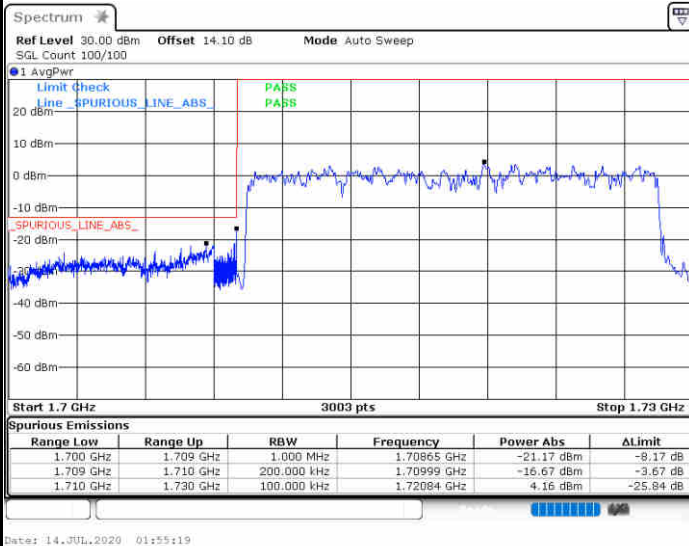
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

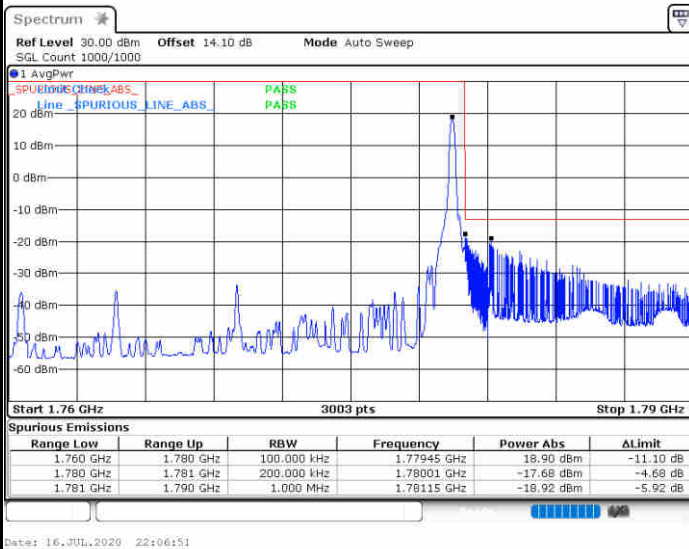




FR1 n66+5A / 20MHz / DFT-S OFDM BPSK

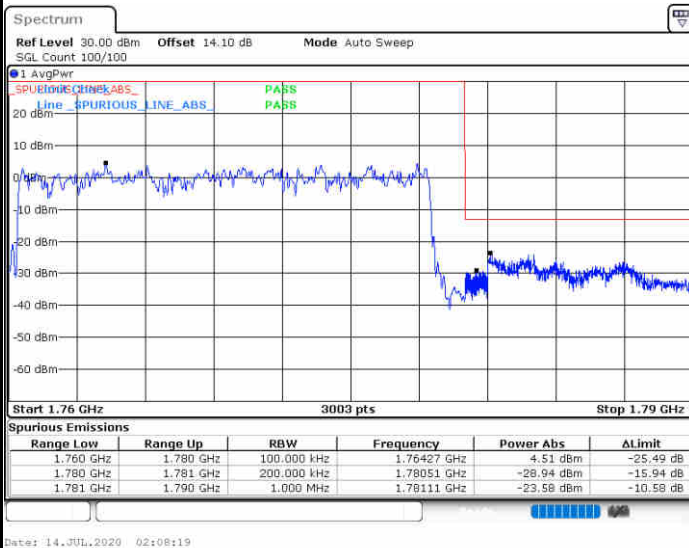
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

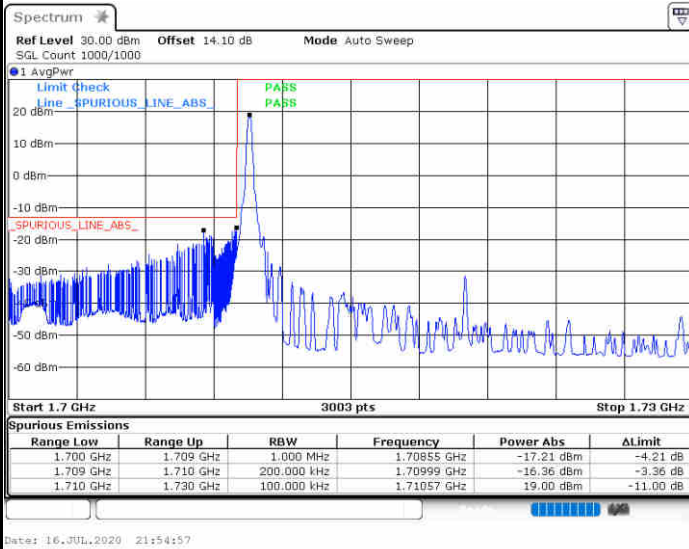




FR1 n66+5A / 20MHz / DFT-S OFDM QPSK

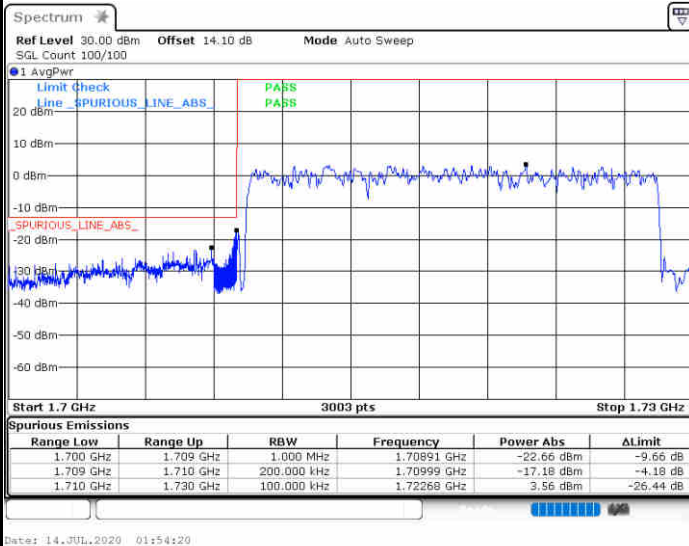
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

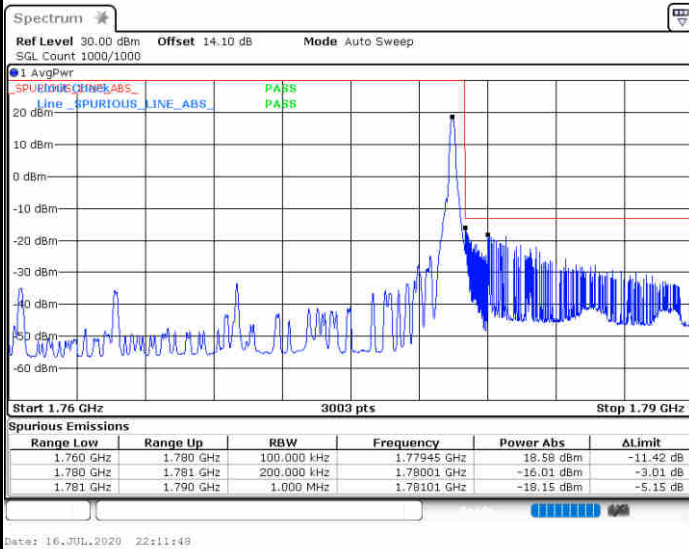




FR1 n66+5A / 20MHz / DFT-S OFDM QPSK

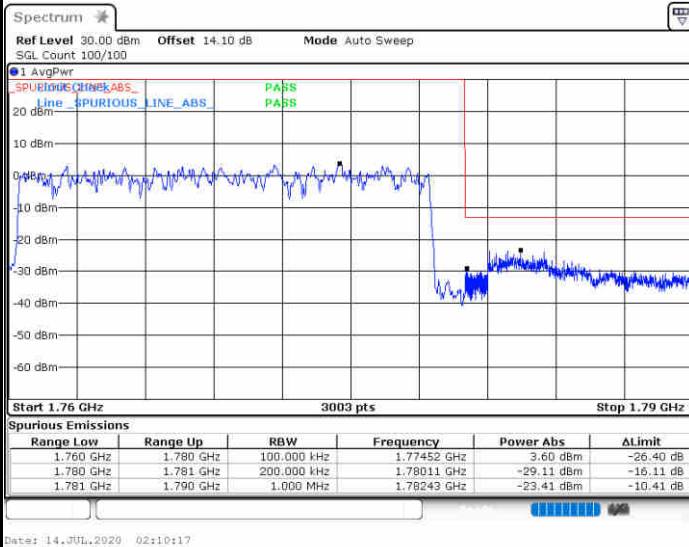
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

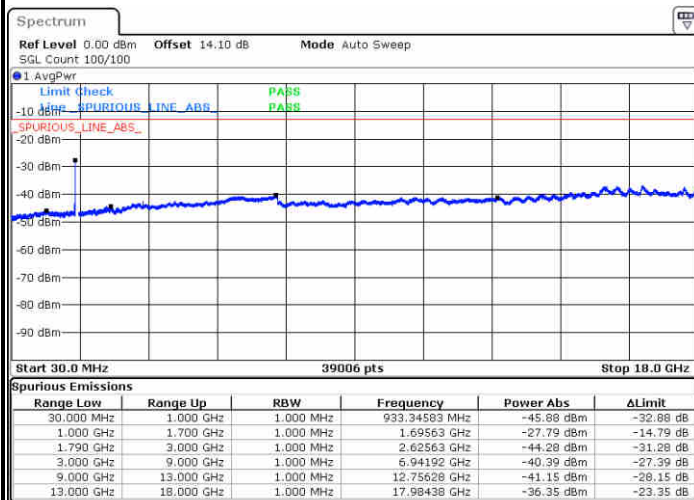




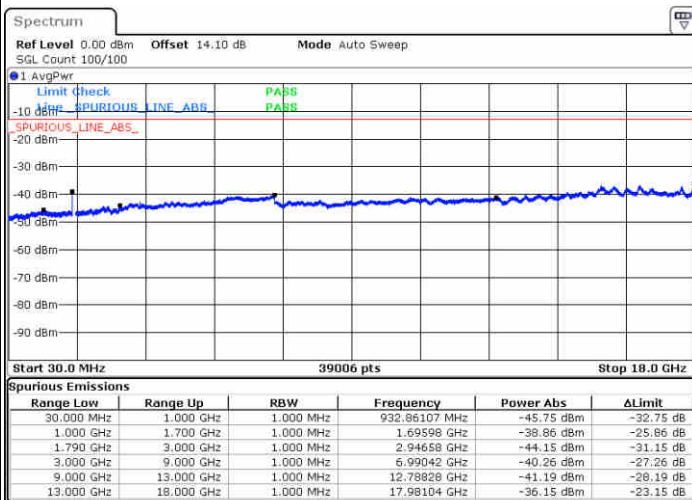
Conducted Spurious Emission

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

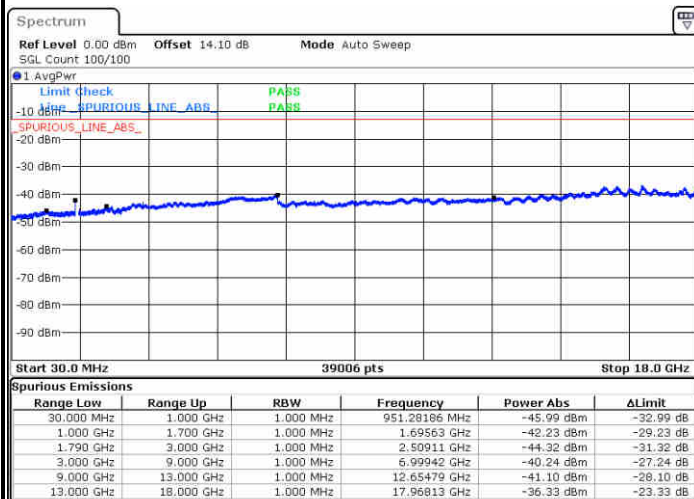
Lowest Channel / 1RB



Middle Channel / 1RB



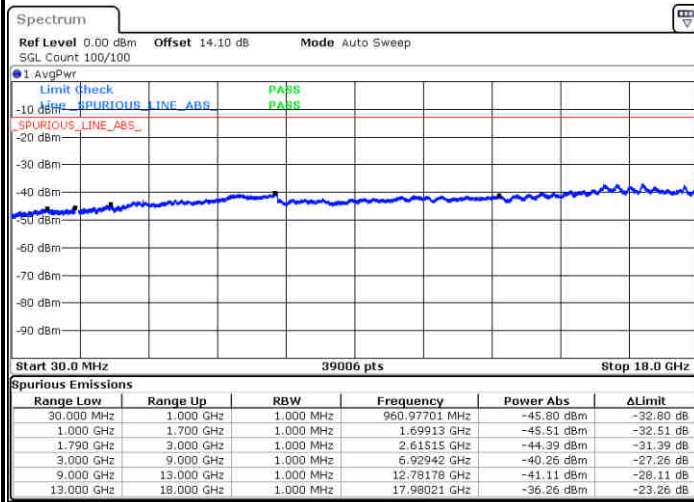
Highest Channel / 1RB





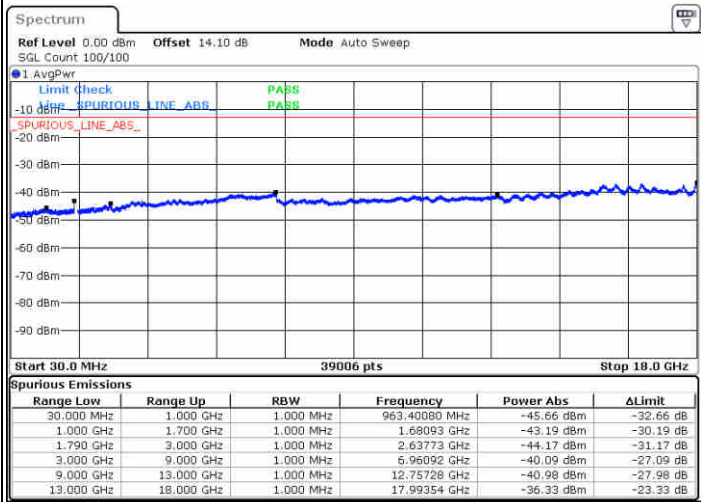
FR1 n66+5A / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



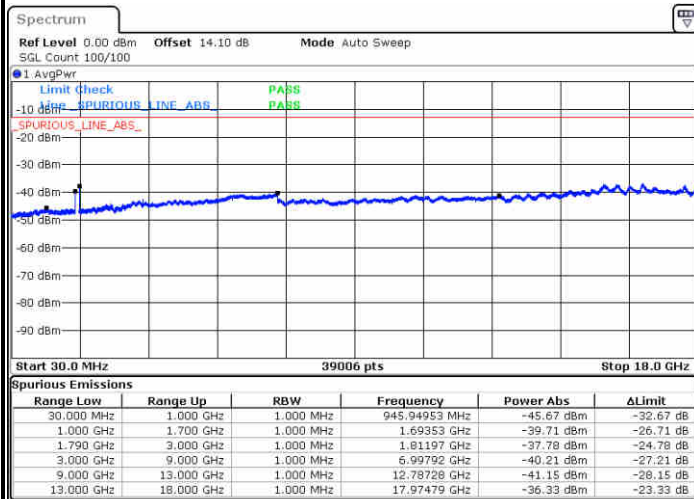
Date: 16.JUL.2020 23:59:54

Middle Channel / 1RB



Date: 17.JUL.2020 00:39:06

Highest Channel / 1RB

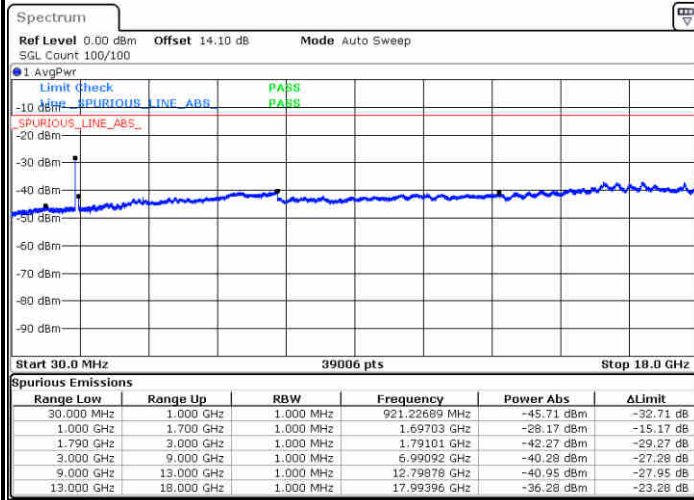


Date: 17.JUL.2020 00:55:00



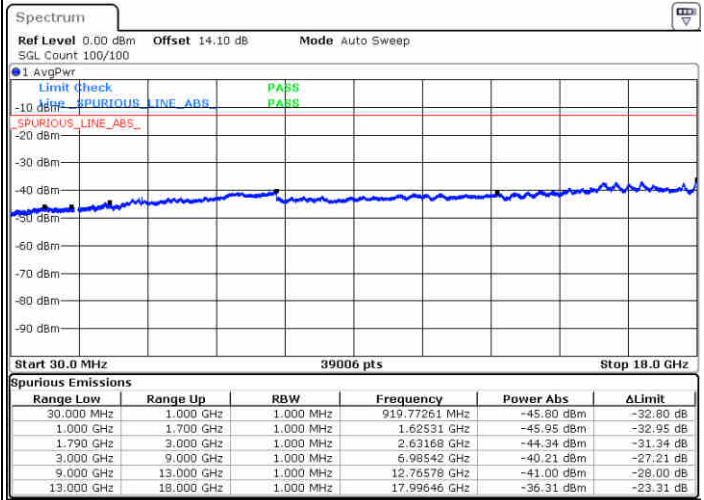
FR1 n66+5A / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



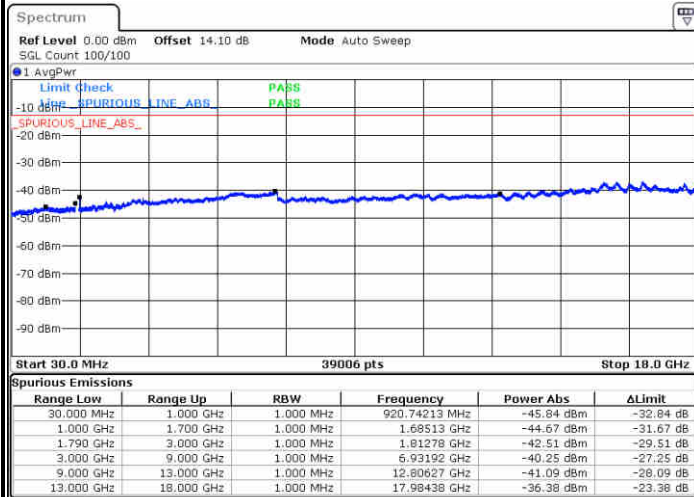
Date: 16.JUL.2020 22:23:00

Middle Channel / 1RB



Date: 16.JUL.2020 22:41:03

Highest Channel / 1RB

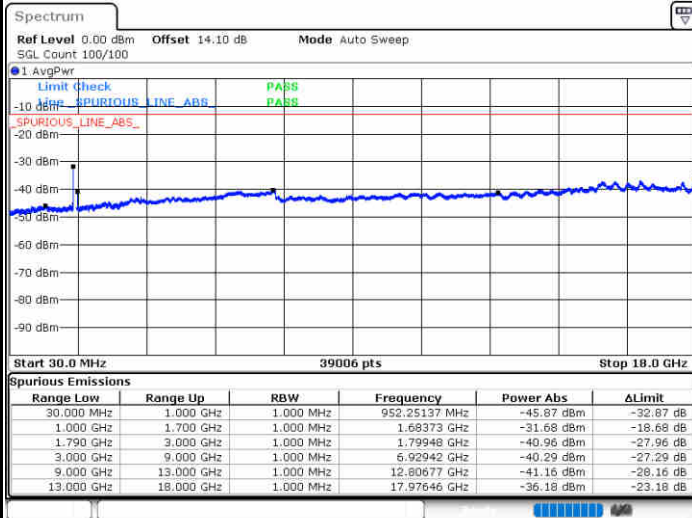


Date: 16.JUL.2020 23:16:52



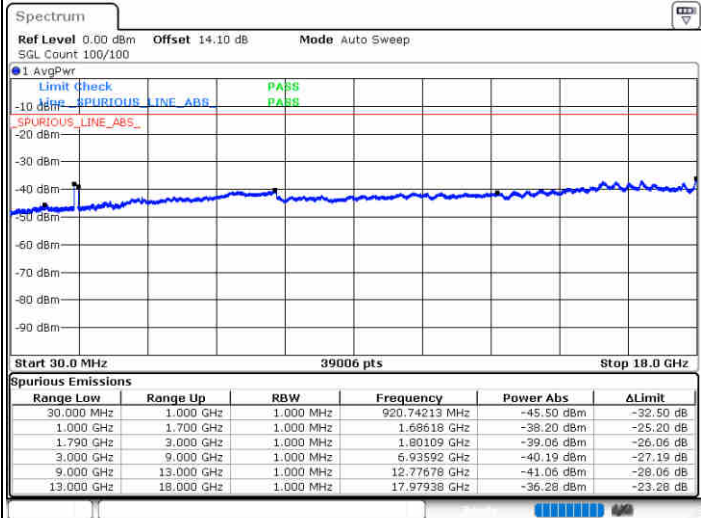
FR1 n66+5A / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



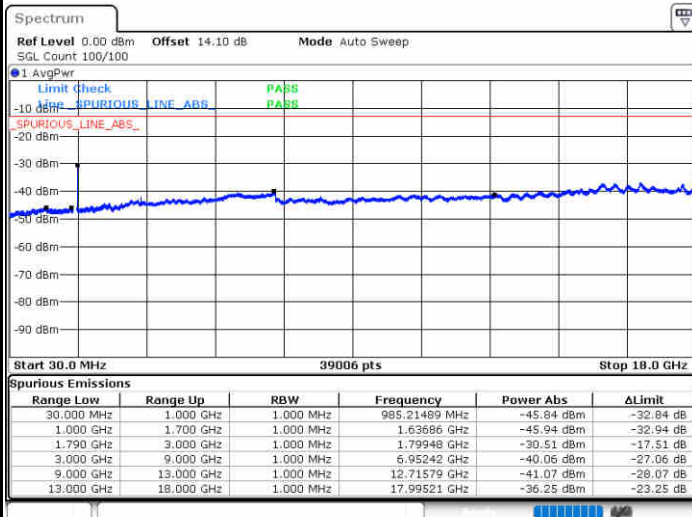
Date: 16.JUL.2020 22:26:19

Middle Channel / 1RB



Date: 16.JUL.2020 22:39:33

Highest Channel / 1RB

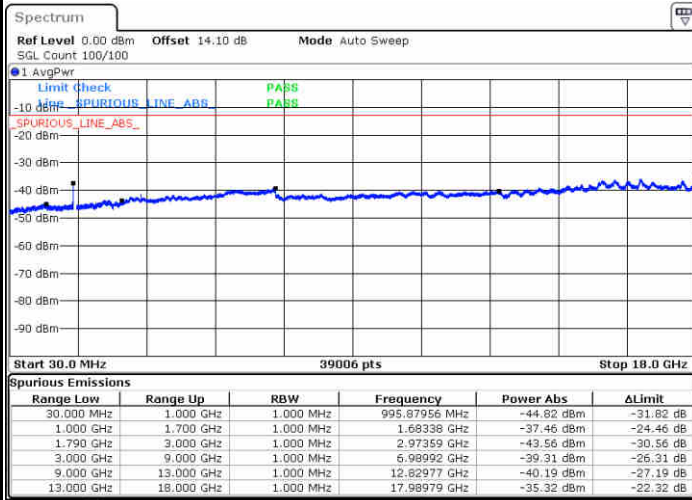


Date: 16.JUL.2020 23:22:29



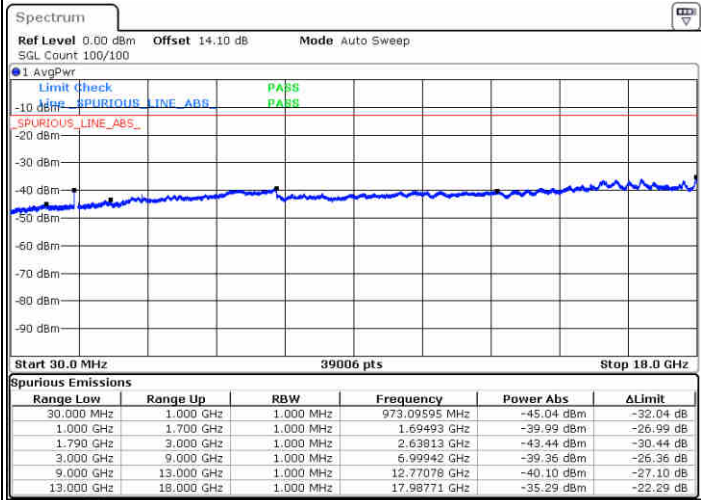
FR1 n66+5A / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



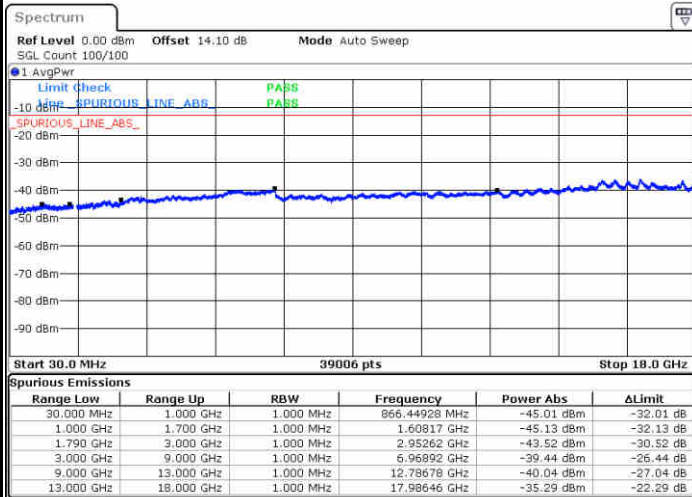
Date: 14.JUL.2020 01:36:17

Middle Channel / 1RB



Date: 14.JUL.2020 01:39:03

Highest Channel / 1RB

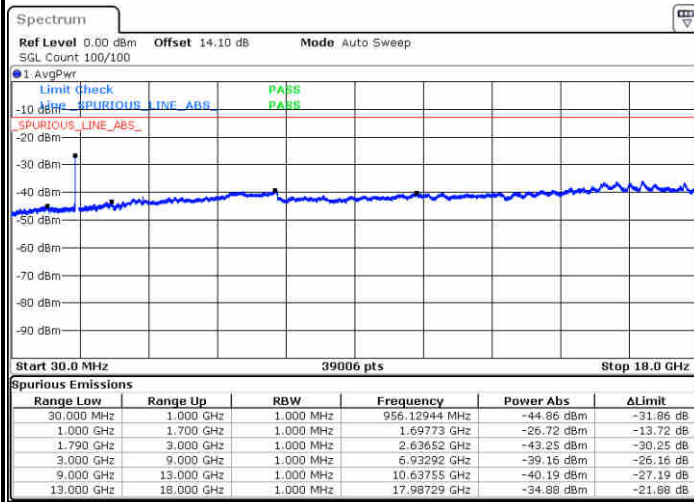


Date: 14.JUL.2020 02:28:06



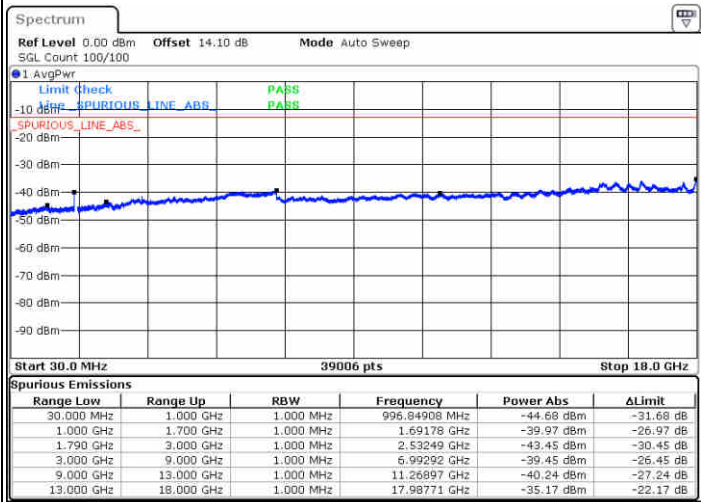
FR1 n66+5A / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



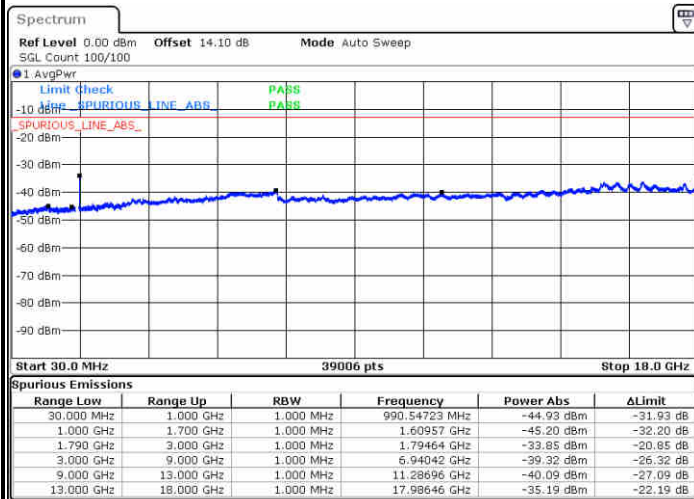
Date: 14.JUL.2020 01:39:48

Middle Channel / 1RB



Date: 14.JUL.2020 01:27:26

Highest Channel / 1RB



Date: 14.JUL.2020 02:14:02

**Frequency Stability**

Test Conditions		NR n66+5A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0013	



SA

Peak-to-Average Ratio

Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.39	6.23	5.54	6.26	PASS
Middle CH	5.3	5.65	5.94	6.43	
Highest CH	5.33	5.04	5.94	5.01	



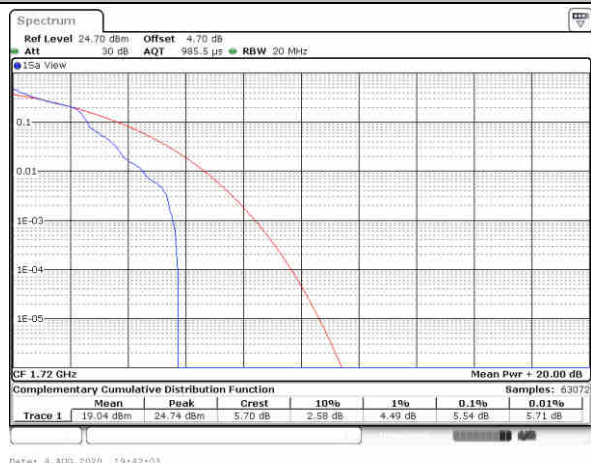
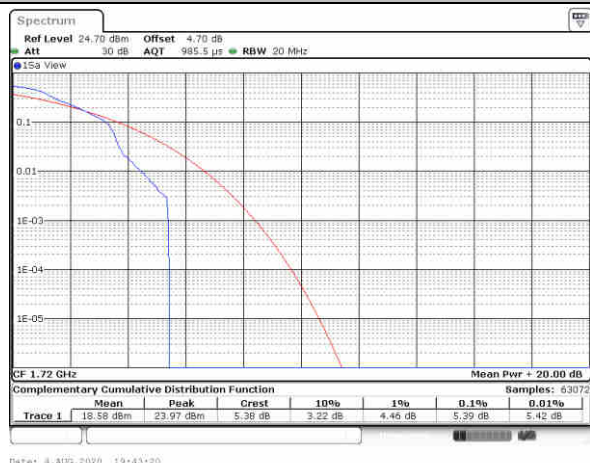
FR1 n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

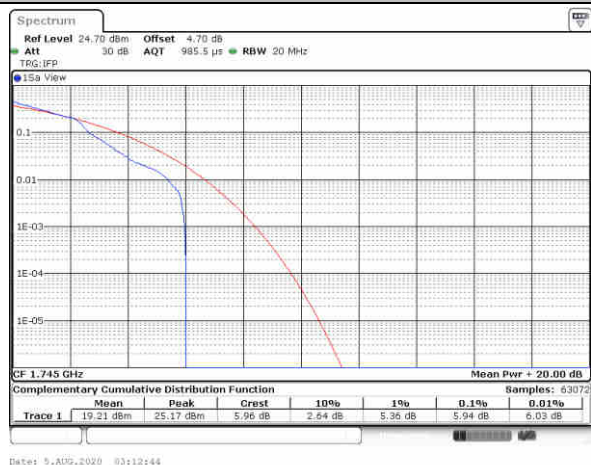
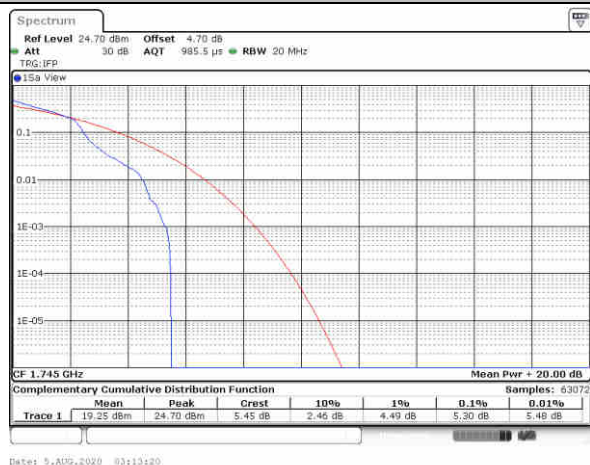
Lowest Channel / 1RB

Lowest Channel / 1RB



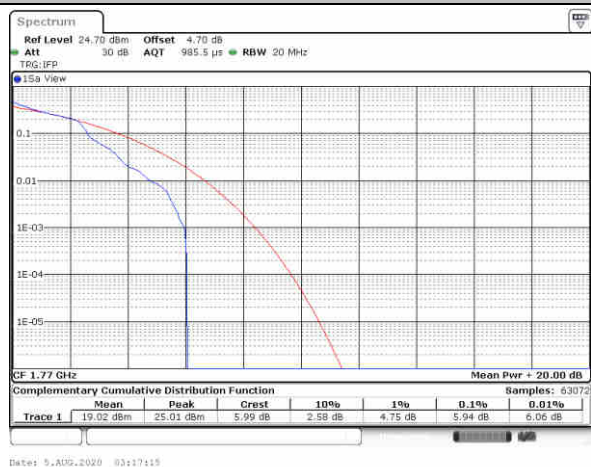
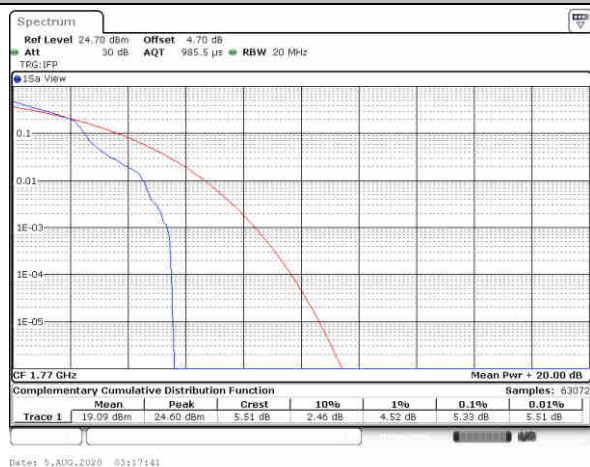
Middle Channel / 1 RB

Middle Channel / 1 RB



Highest Channel / 1 RB

Highest Channel / 1 RB





FR1 n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

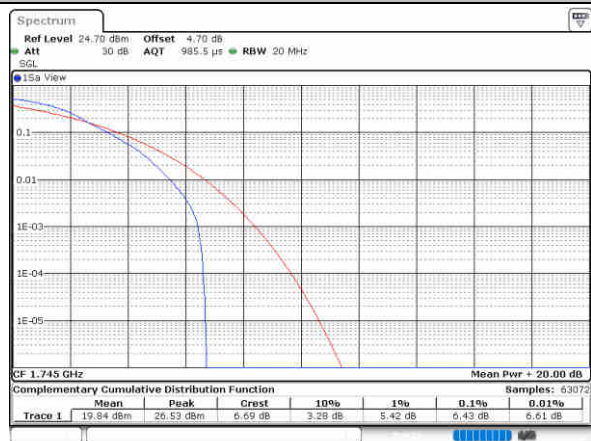
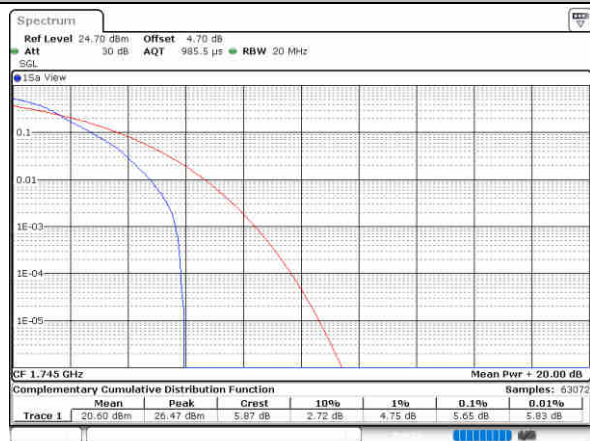
Lowest Channel / Full RB

Lowest Channel / Full RB



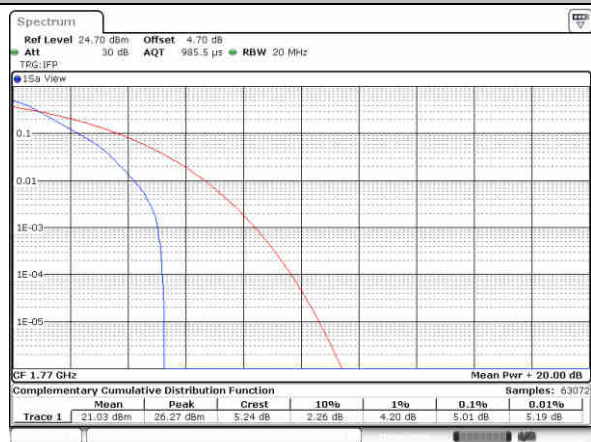
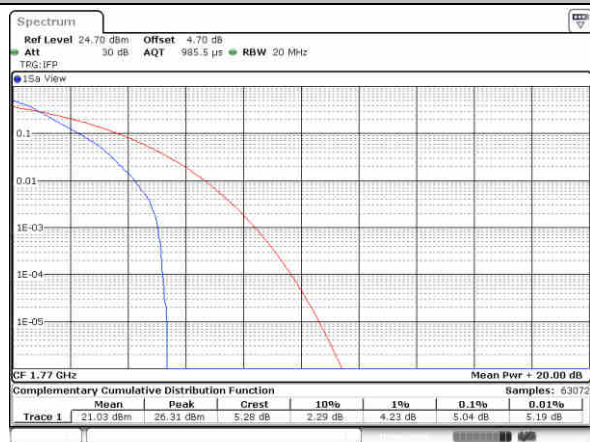
Middle Channel / Full RB

Middle Channel / Full RB



Highest Channel / Full RB

Highest Channel / Full RB



**26dB Bandwidth**

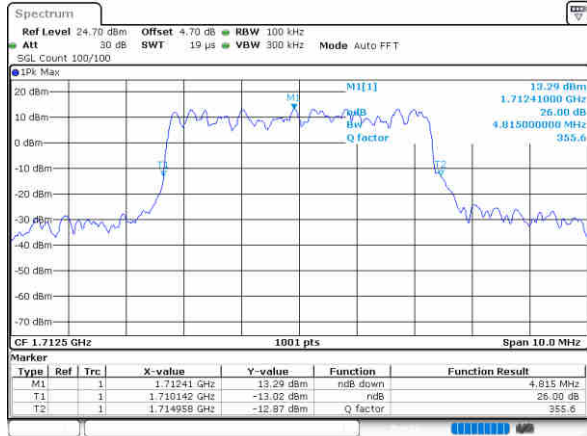
Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz	5MHz	10MHz	10MHz	20MHz	20MHz		
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Lowest CH	4.81	4.7	9.27	9.23	18.62	18.74		
Middle CH	4.7	4.69	9.31	9.27	18.86	18.62		
Highest CH	4.7	4.81	9.39	9.21	18.78	18.66		



FR1 n66 / 5MHz / DFT-S OFDM

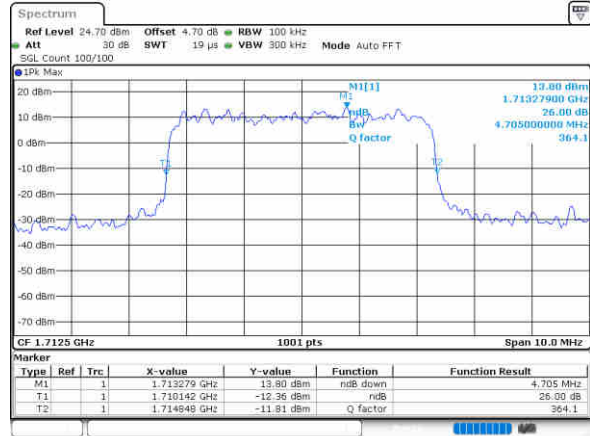
PI/2 BPSK

Lowest Channel

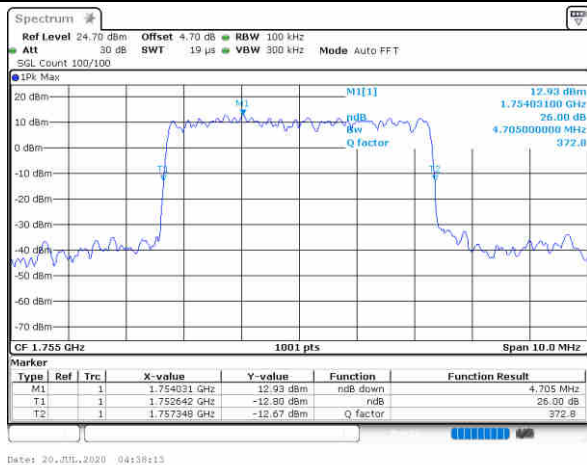


QPSK

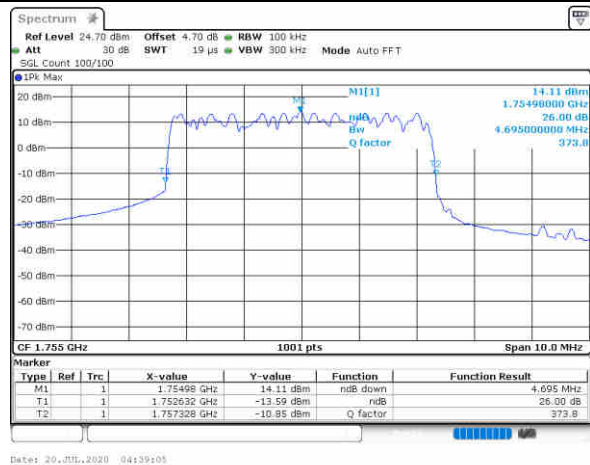
Lowest Channel



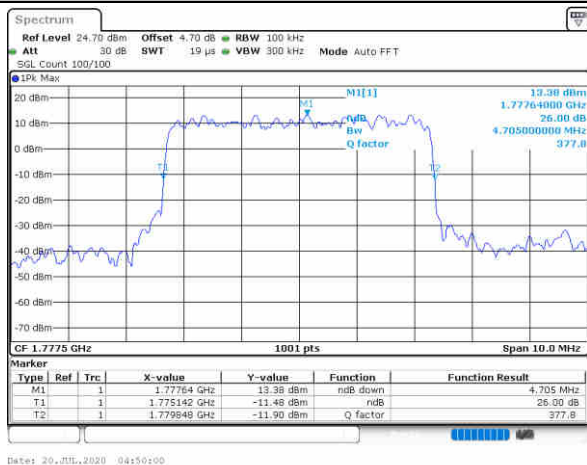
Middle Channel



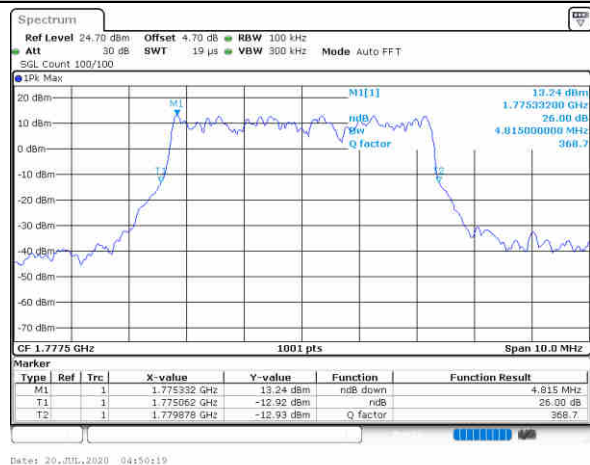
Middle Channel



Highest Channel



Highest Channel

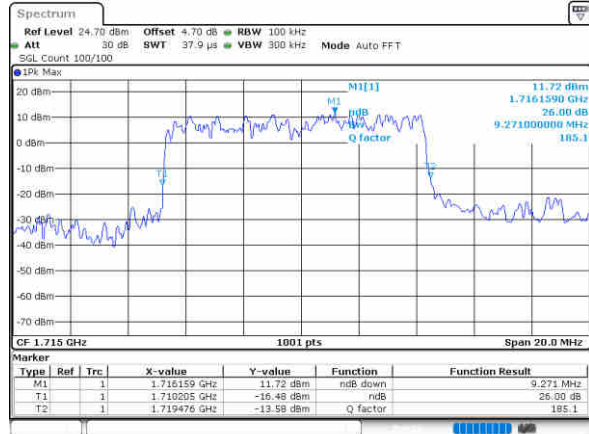




FR1 n66 / 10MHz / DFT-S OFDM

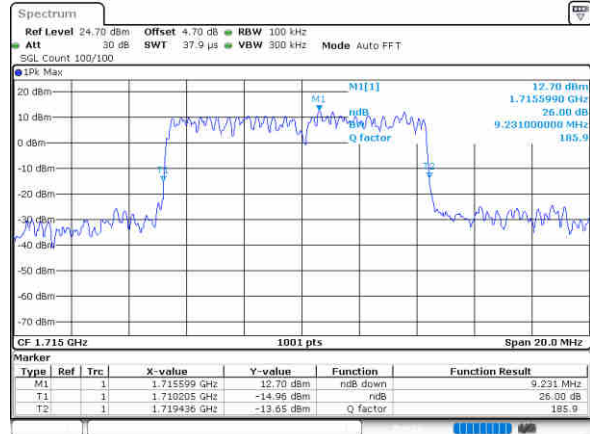
PI/2 BPSK

Lowest Channel

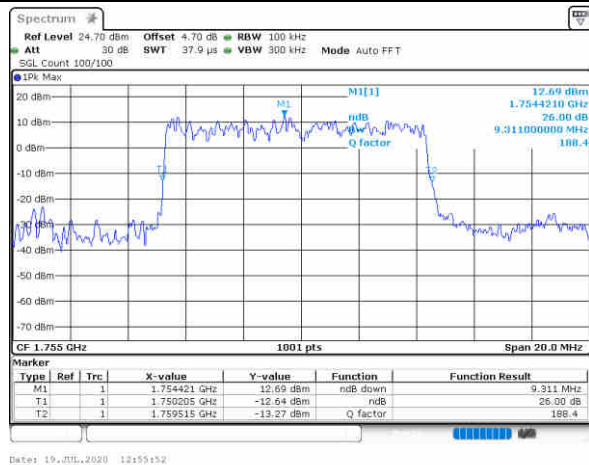


QPSK

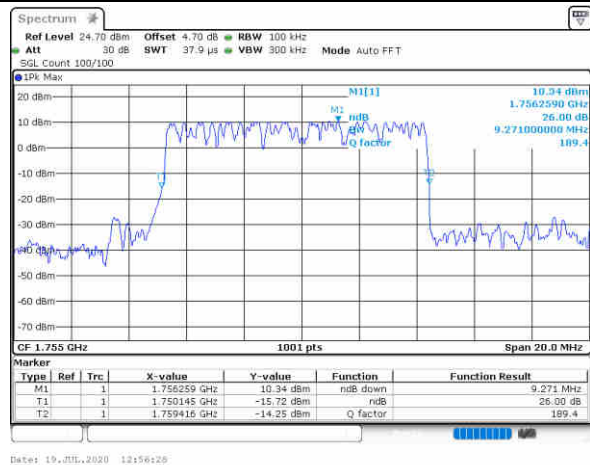
Lowest Channel



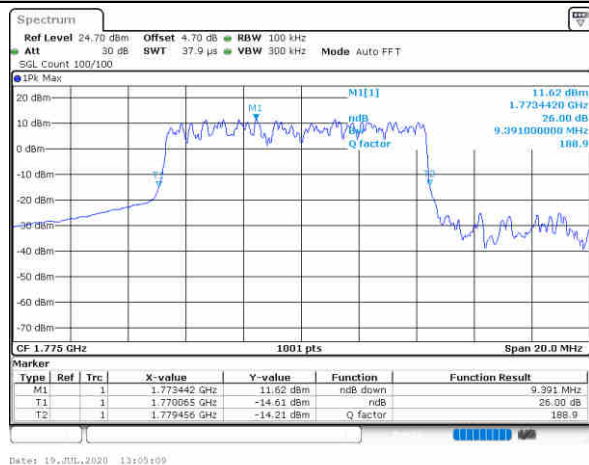
Middle Channel



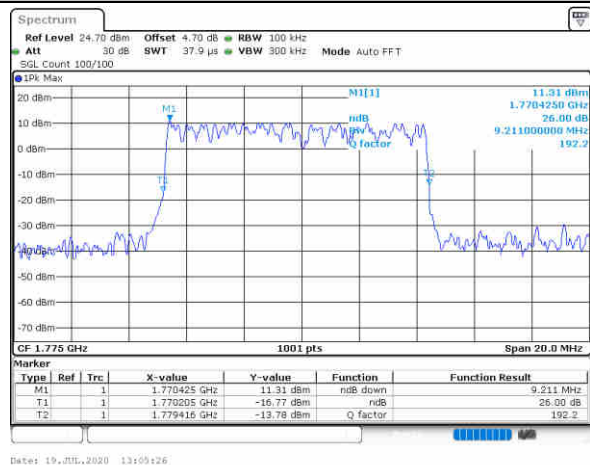
Middle Channel



Highest Channel



Highest Channel

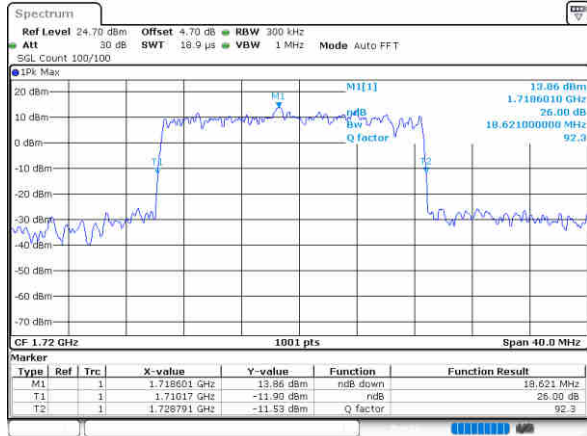




FR1 n66 / 20MHz / DFT-S OFDM

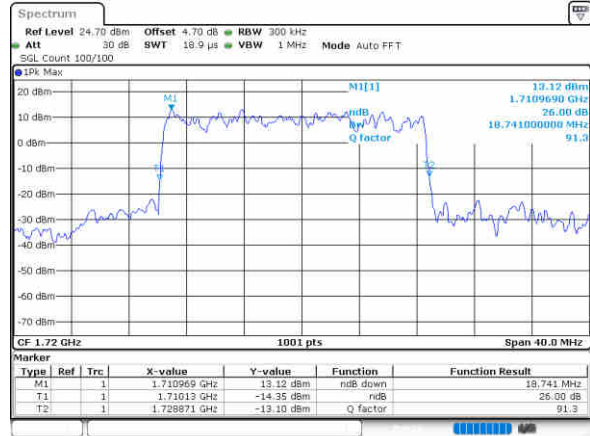
PI/2 BPSK

Lowest Channel

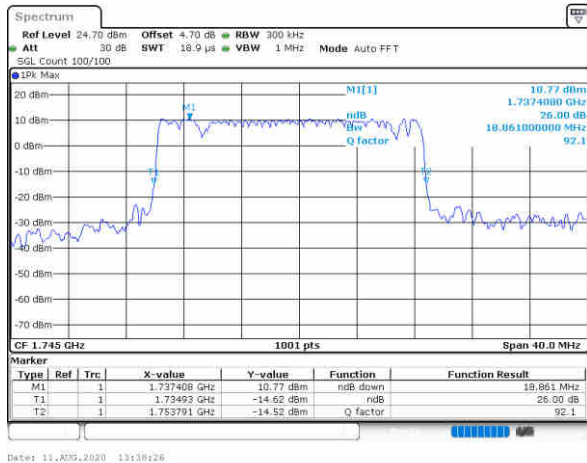


QPSK

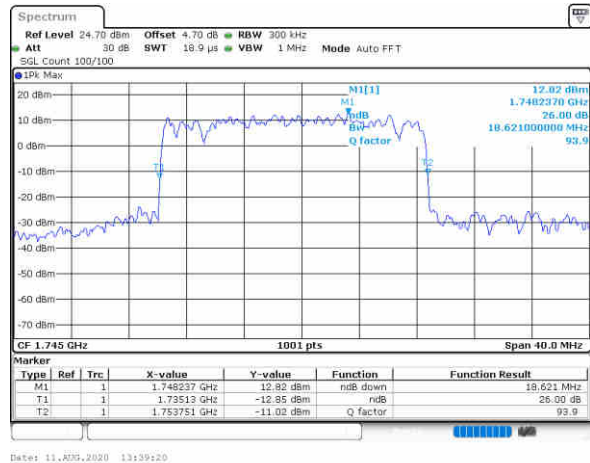
Lowest Channel



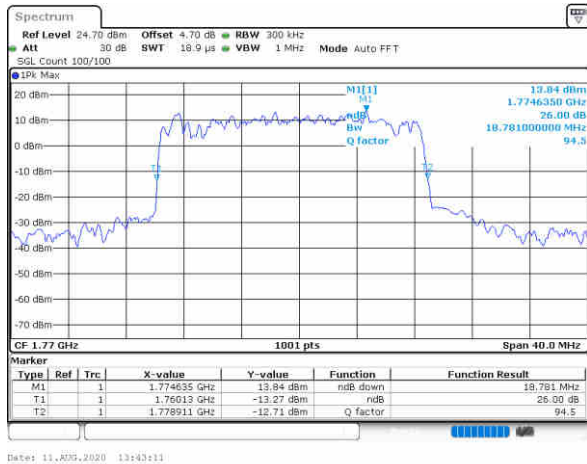
Middle Channel



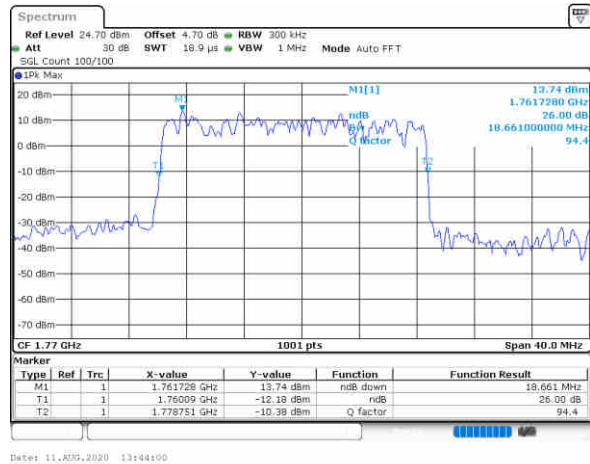
Middle Channel



Highest Channel



Highest Channel





Occupied Bandwidth

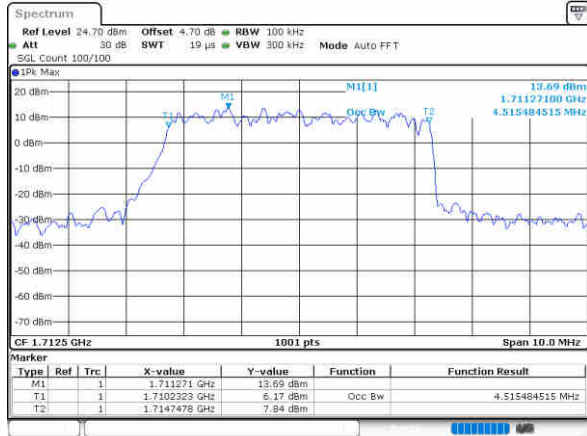
Mode	FR1 n66 : OB BW(MHz) / DFT-S OFDM							
BW	5MHz	5MHz	10MHz	10MHz	20MHz	20MHz		
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Lowest CH	4.51	4.45	8.93	8.81	17.78	17.66		
Middle CH	4.48	4.44	8.95	8.89	17.78	17.86		
Highest CH	4.45	4.48	8.91	8.99	17.74	17.9		



FR1 n66 / 5MHz / DFT-S OFDM

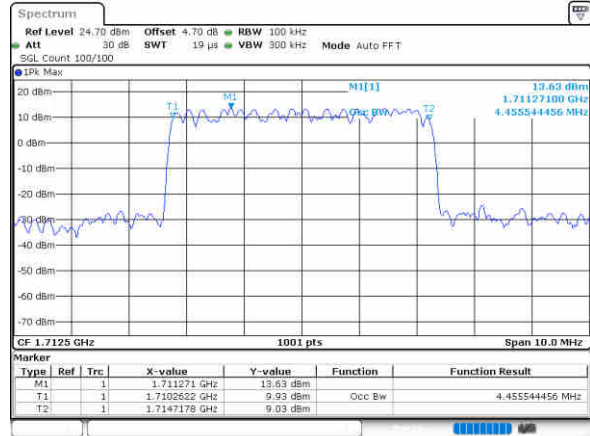
PI/2 BPSK

Lowest Channel

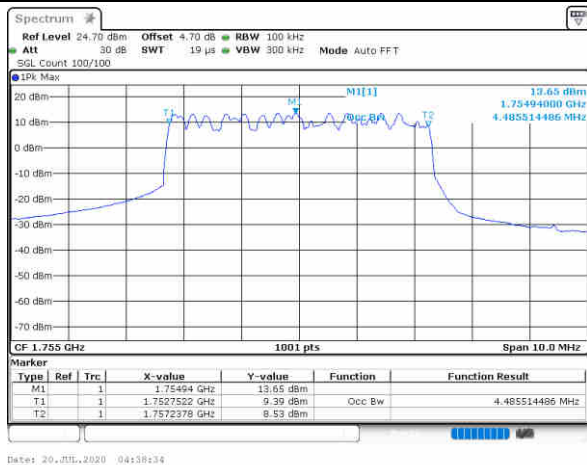


QPSK

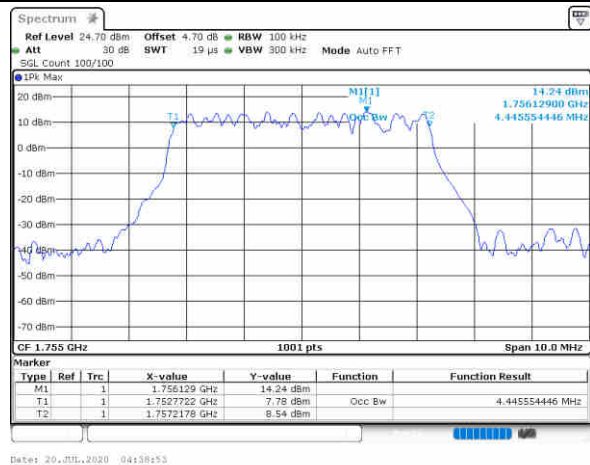
Lowest Channel



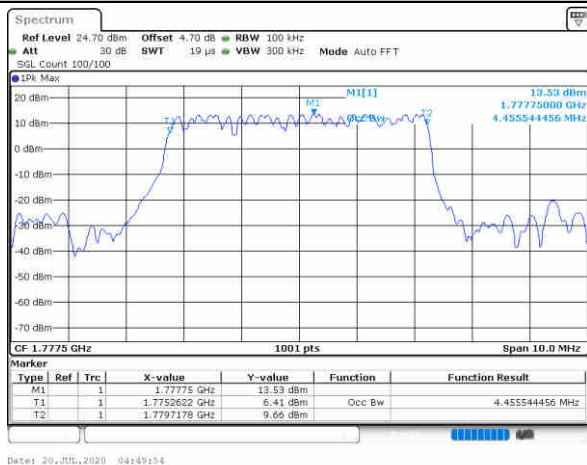
Middle Channel



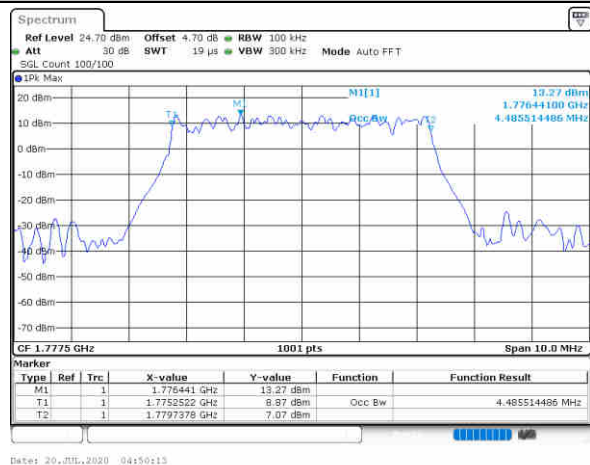
Middle Channel



Highest Channel



Highest Channel

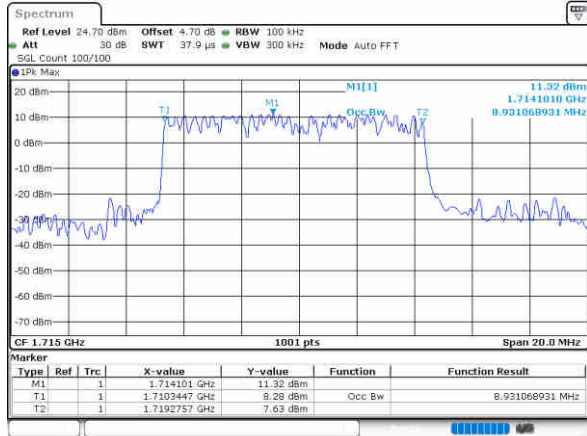




FR1 n66 / 10MHz / DFT-S OFDM

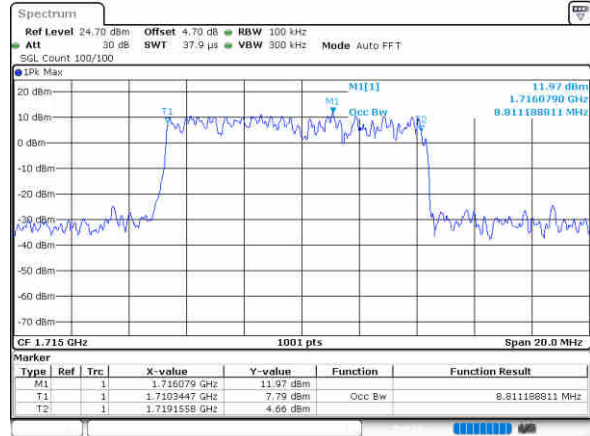
PI/2 BPSK

Lowest Channel

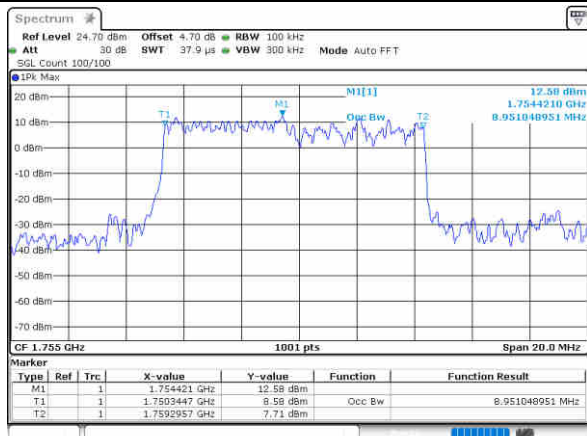


QPSK

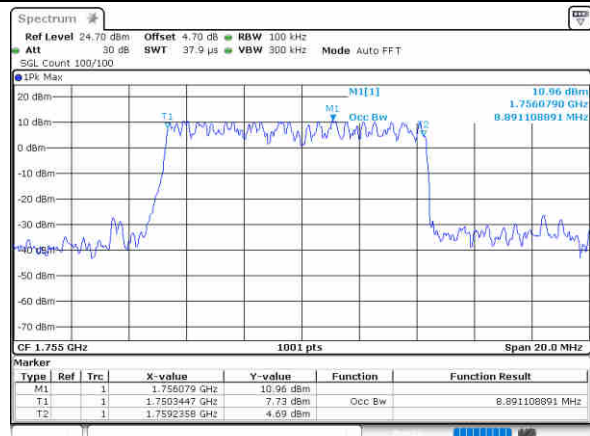
Lowest Channel



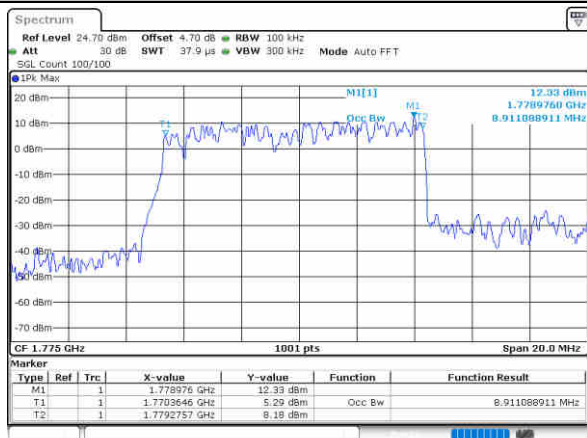
Middle Channel



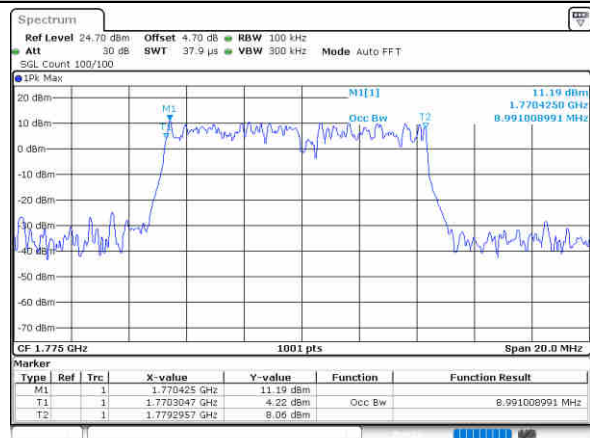
Middle Channel



Highest Channel



Highest Channel





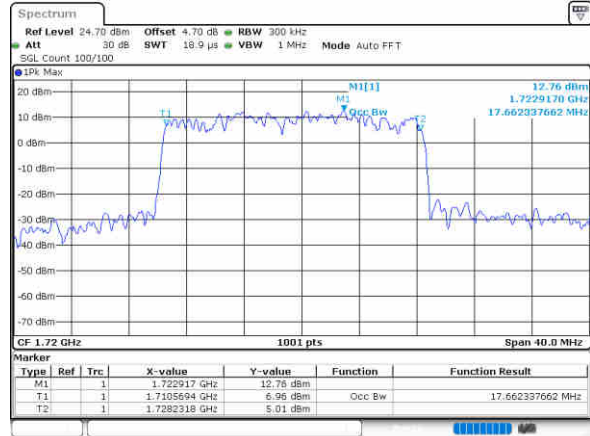
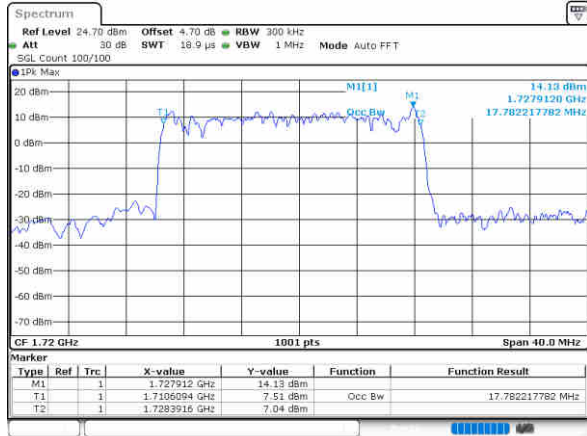
FR1 n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

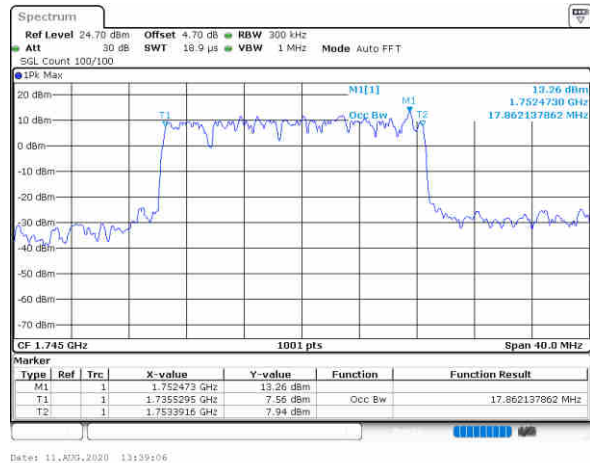
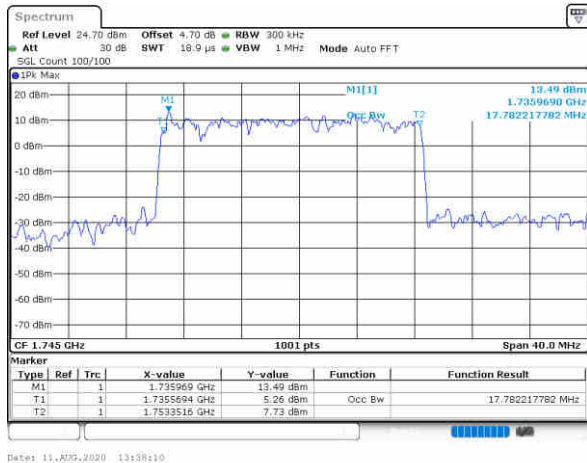
Lowest Channel

Lowest Channel



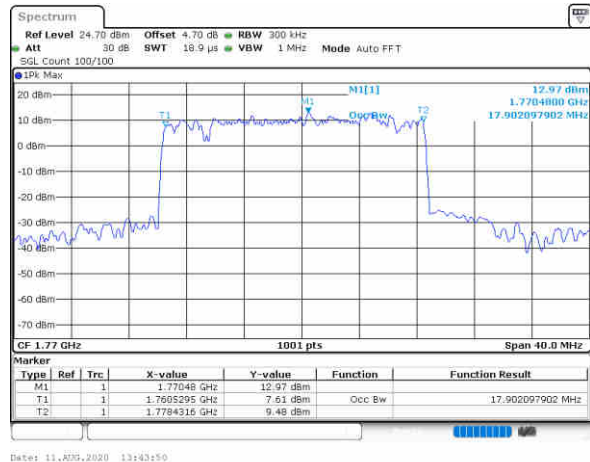
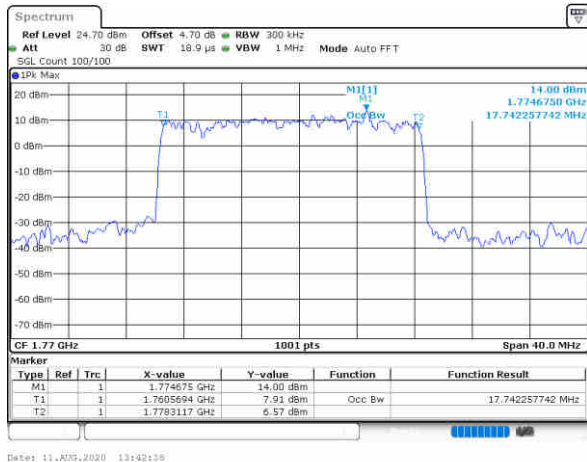
Middle Channel

Middle Channel



Highest Channel

Highest Channel

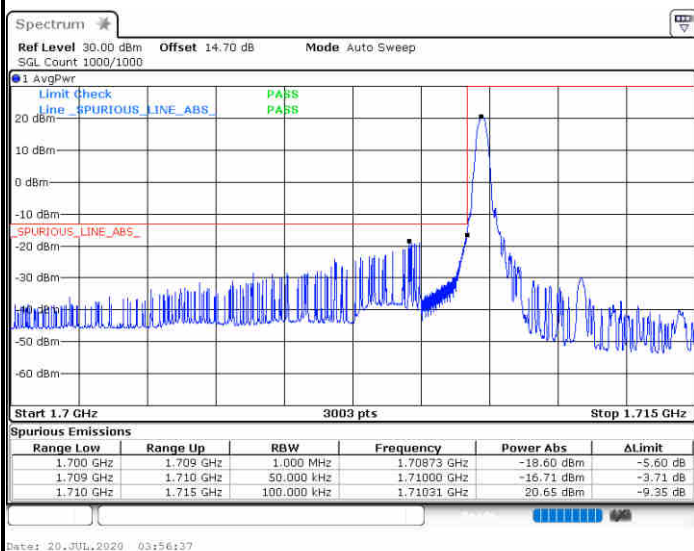


**Conducted Band Edge**

FR1 n66 / 5MHz / DFT-S OFDM BPSK

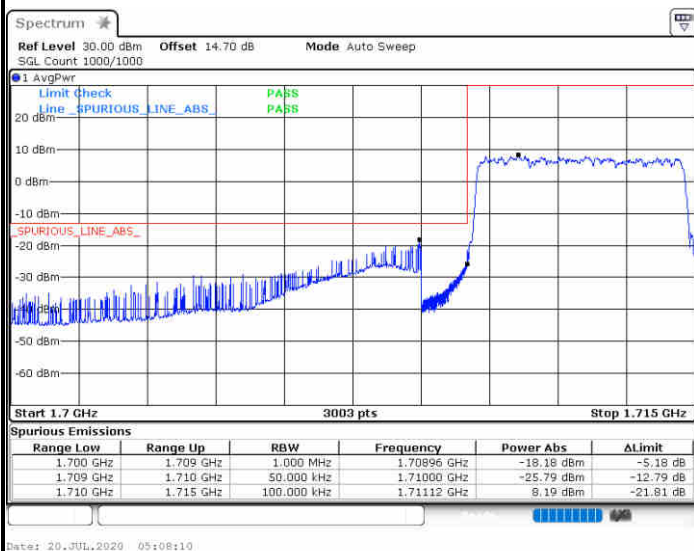
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

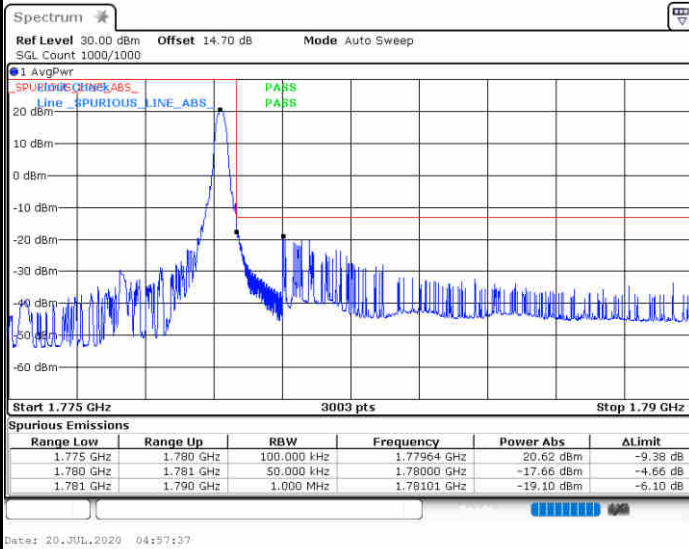




FR1 n66 / 5MHz / DFT-S OFDM BPSK

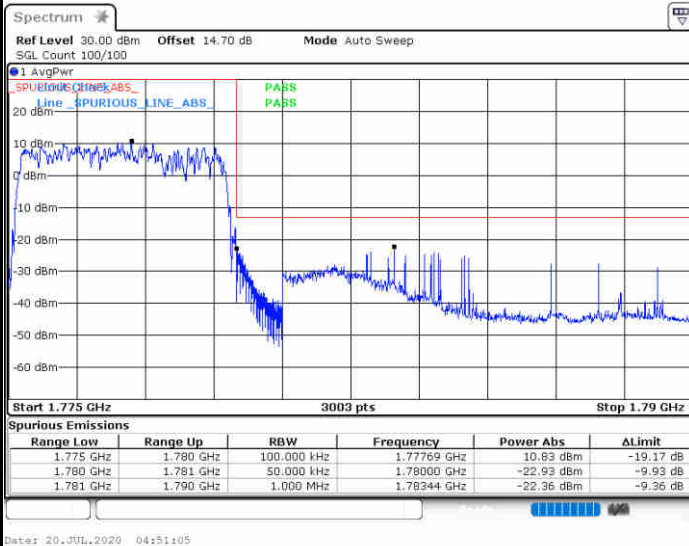
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

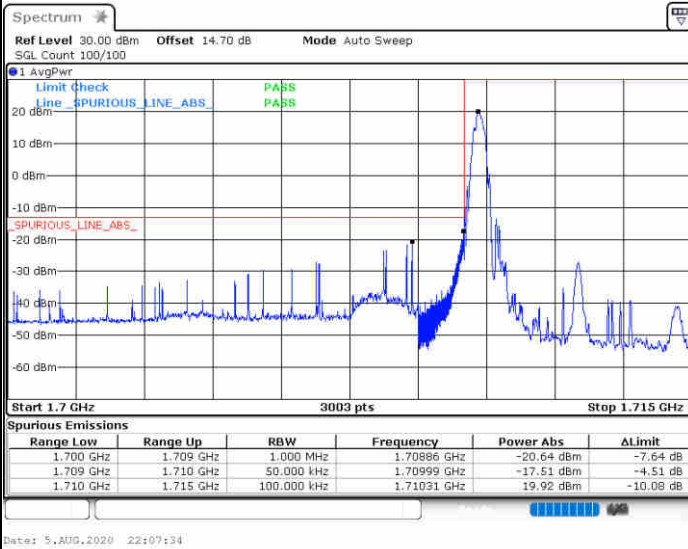




FR1 n66 / 5MHz / DFT-S OFDM QPSK

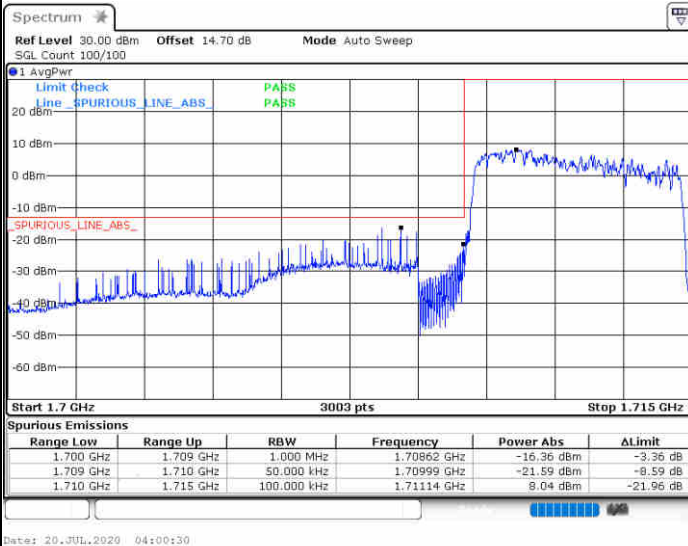
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

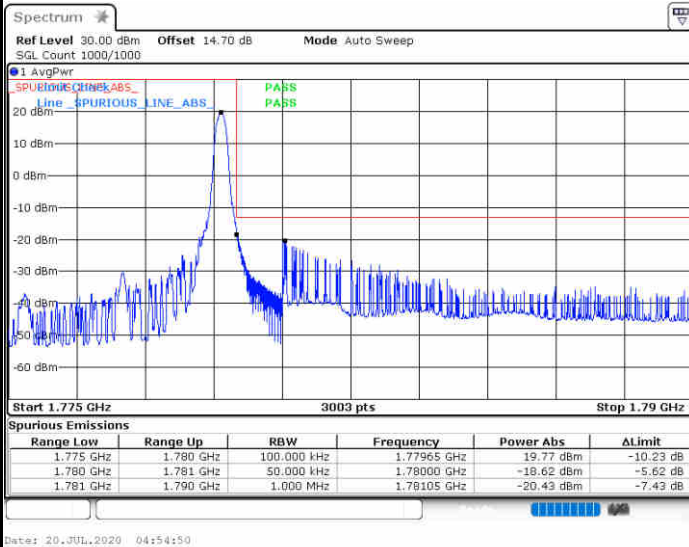




FR1 n66 / 5MHz / DFT-S OFDM QPSK

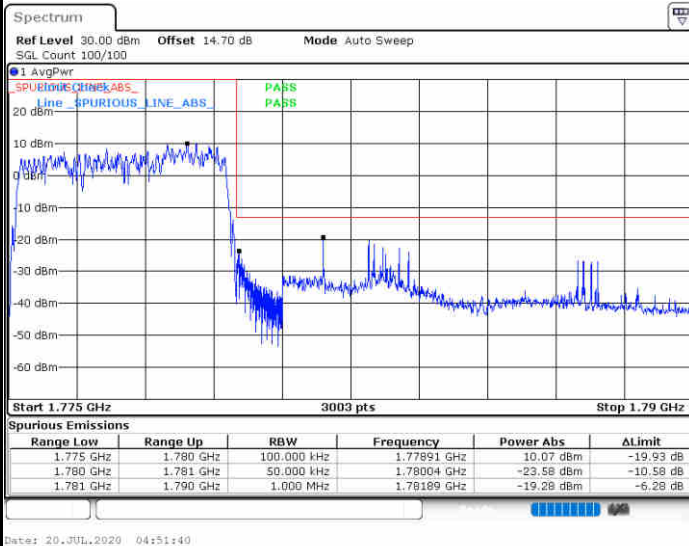
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

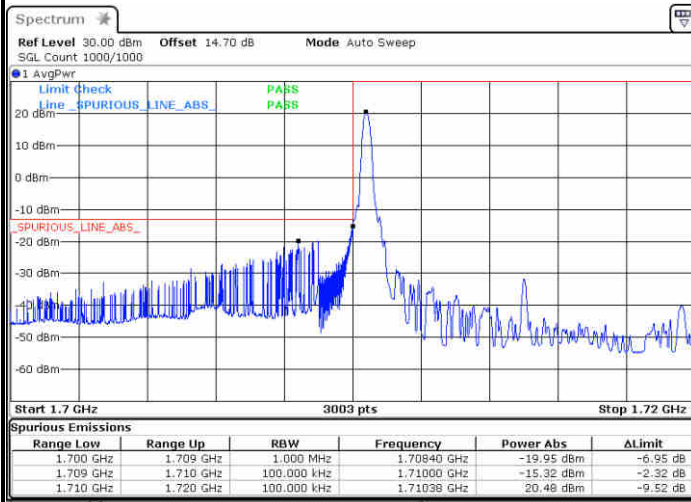
Channel Power < -13dBm Pass



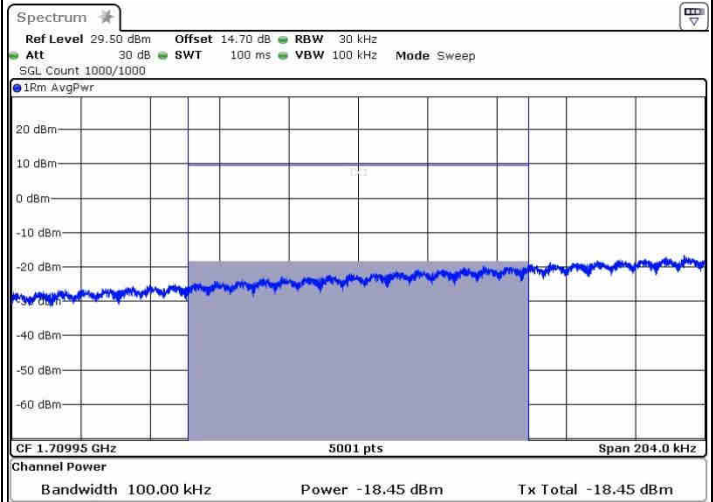


FR1 n66 / 10MHz / DFT-S OFDM BPSK

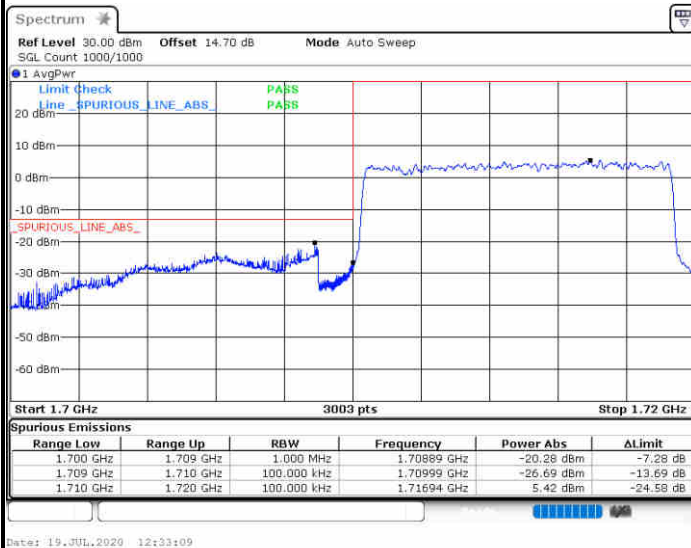
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

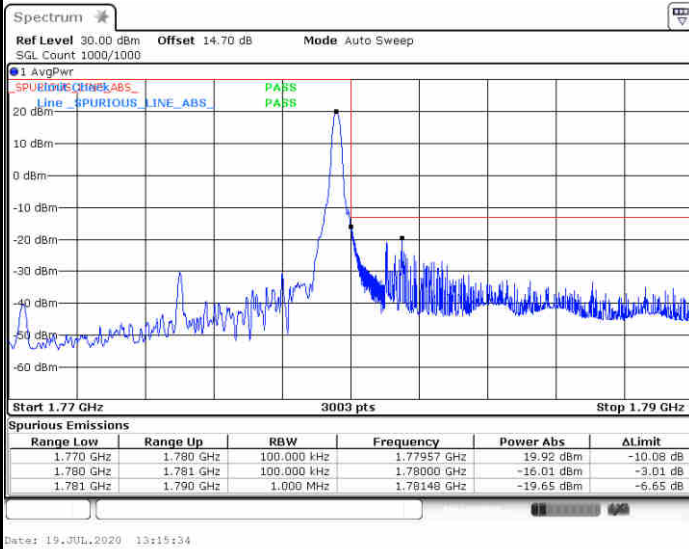
/



FR1 n66 / 10MHz / DFT-S OFDM BPSK

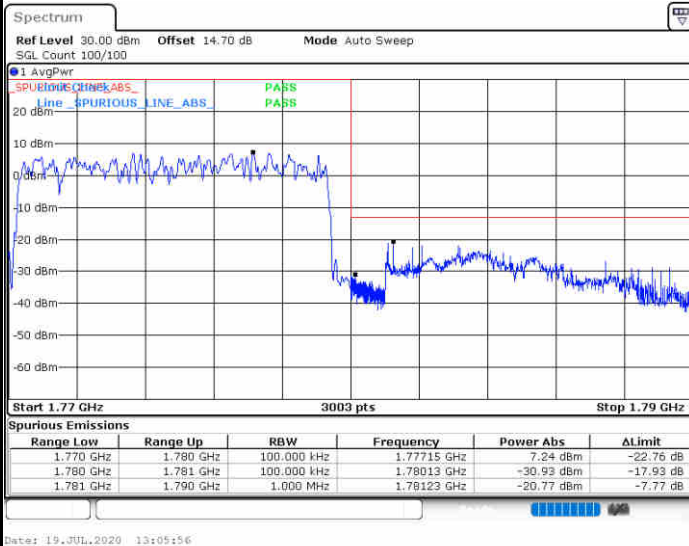
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

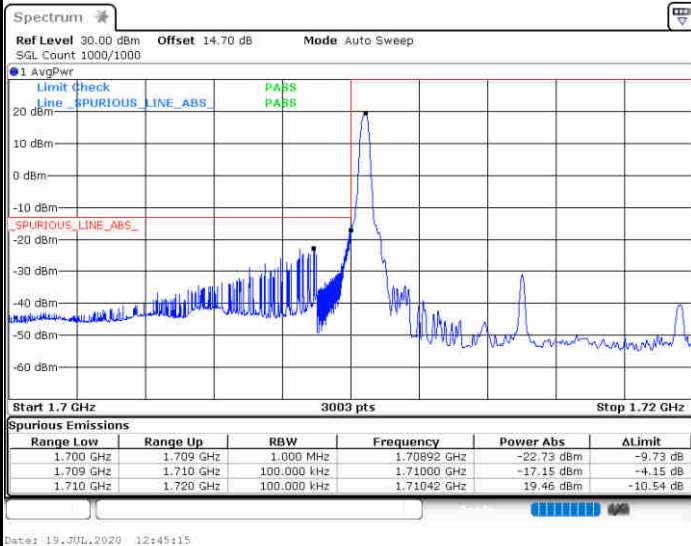




FR1 n66 / 10MHz / DFT-S OFDM QPSK

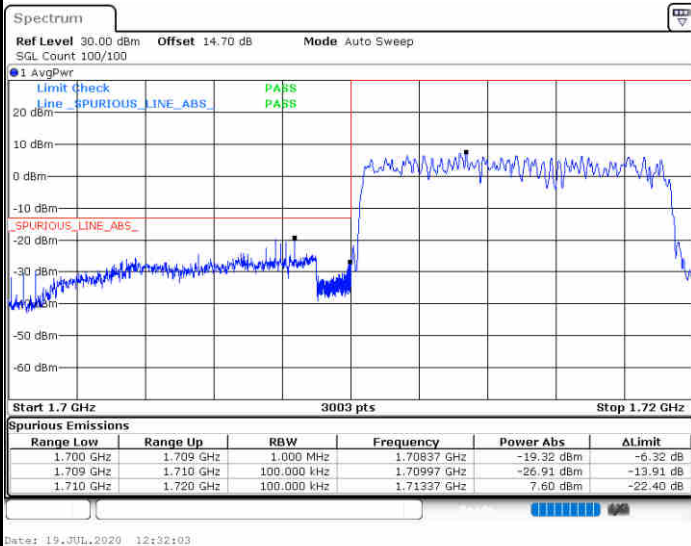
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

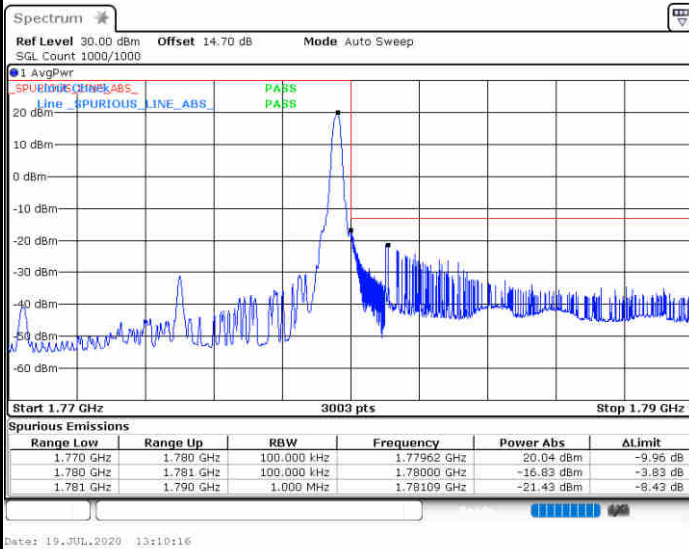




FR1 n66 / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

