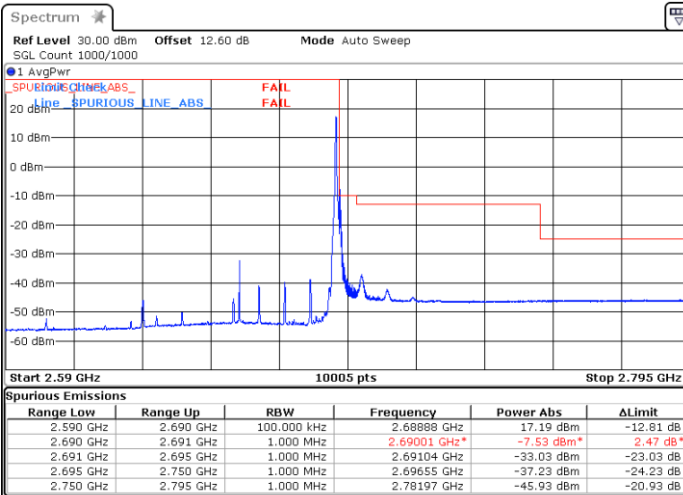


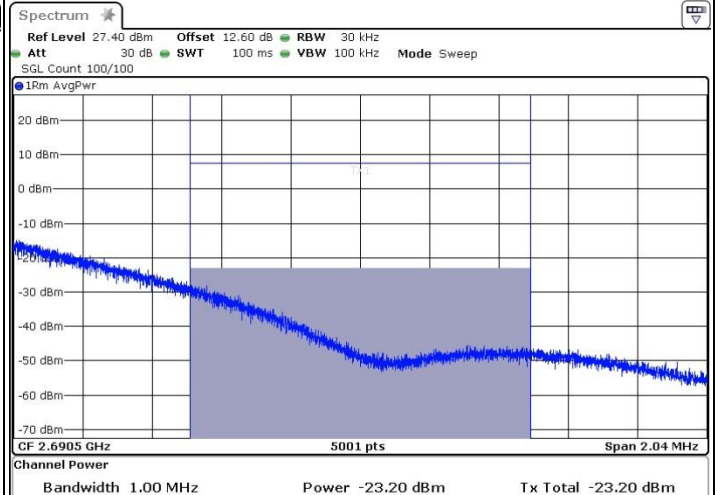


FR1 n41 / 60MHz / DFT-S OFDM BPSK

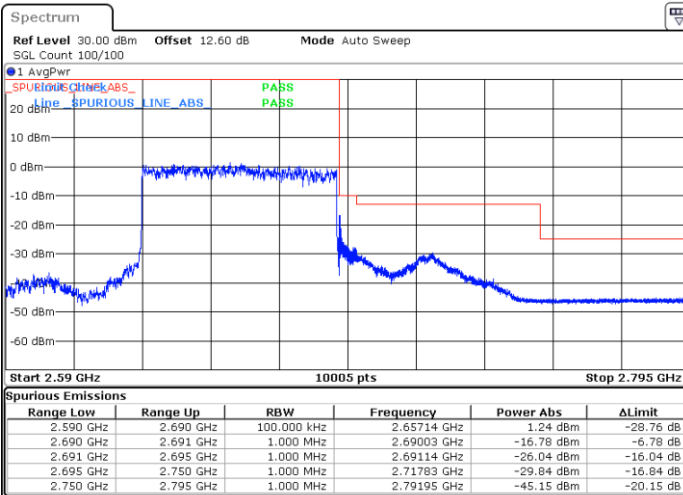
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



Channel Power < -10dBm Pass

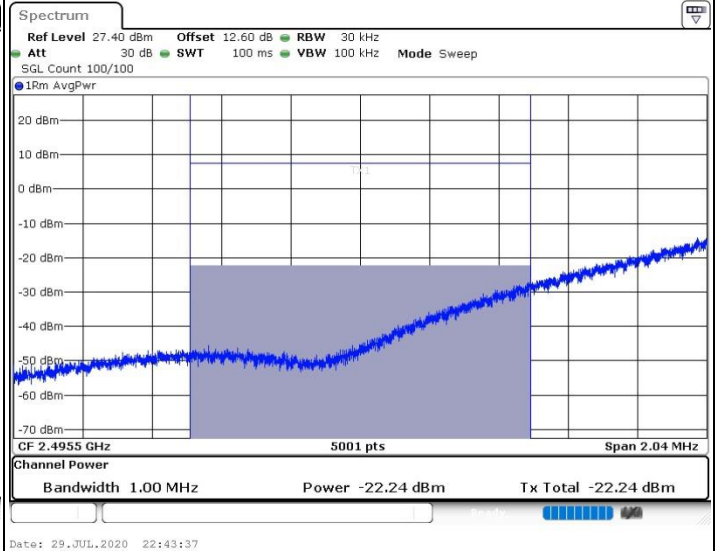
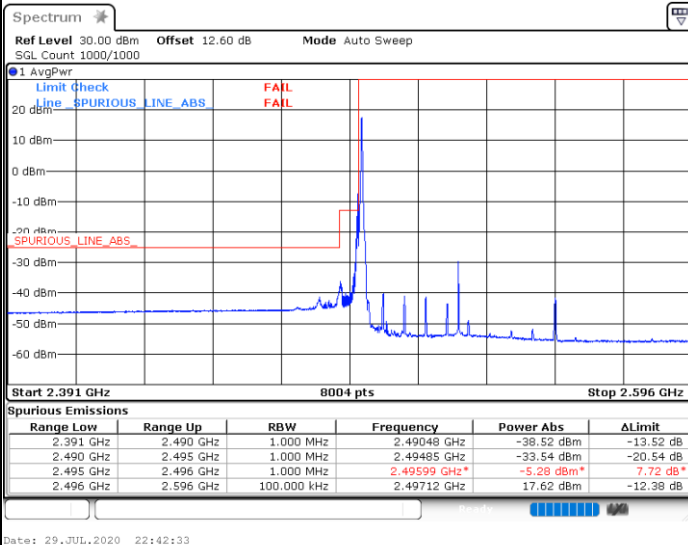
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FR1 n41 / 60MHz / DFT-S OFDM QPSK

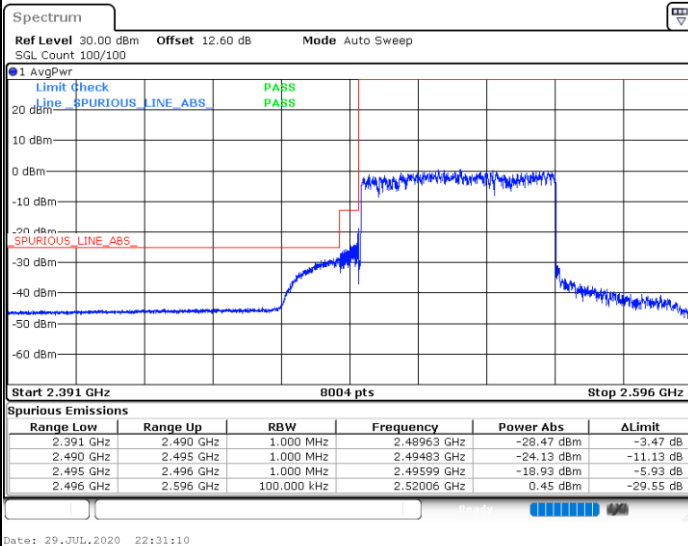
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

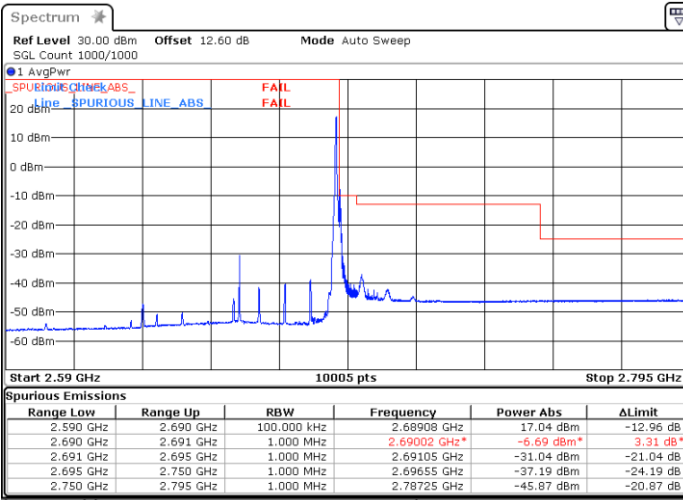
Channel Power < -13dBm Pass



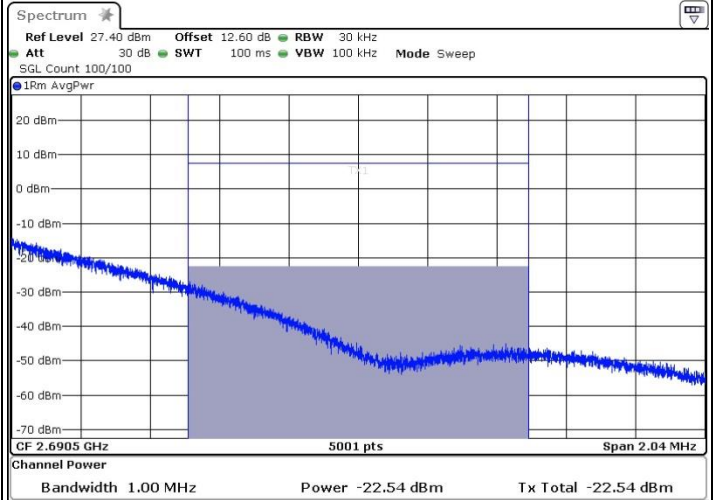


FR1 n41 / 60MHz / DFT-S OFDM QPSK

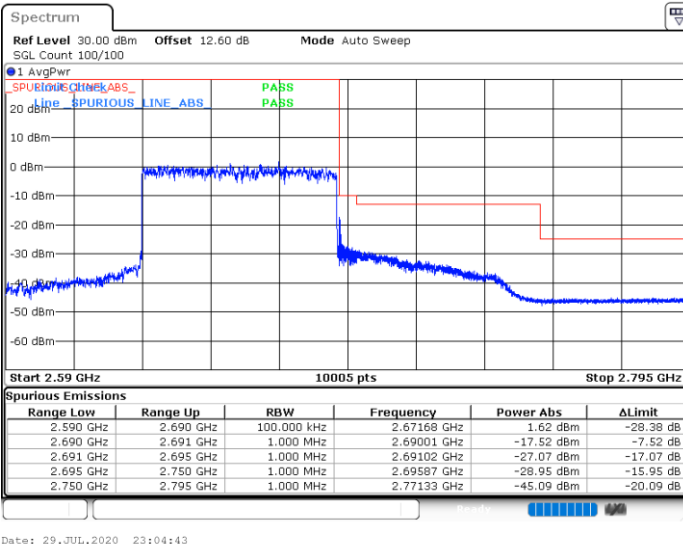
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



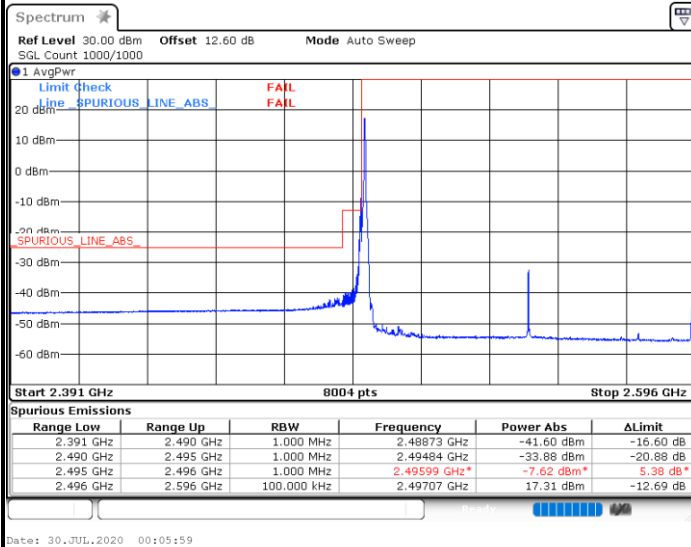
Channel Power < -10dBm Pass

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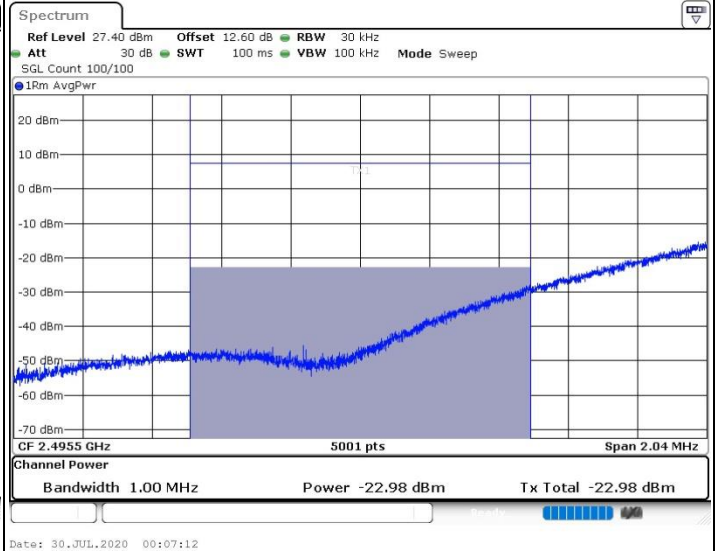


FR1 n41 / 100MHz / DFT-S OFDM BPSK

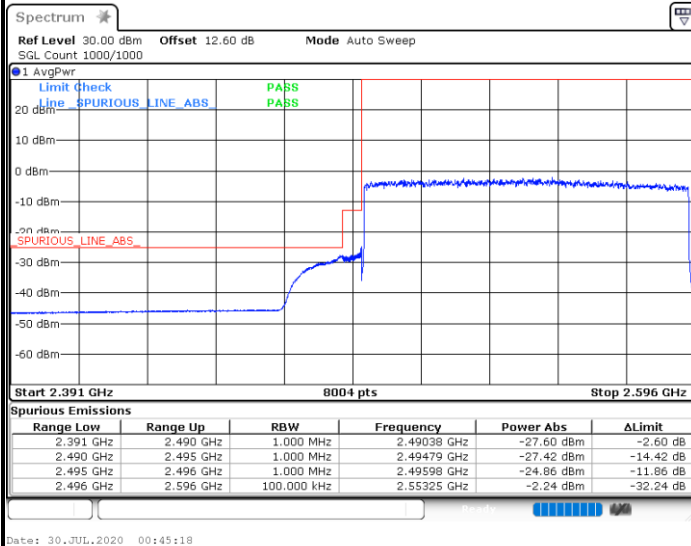
Lowest Band Edge / 1 RB



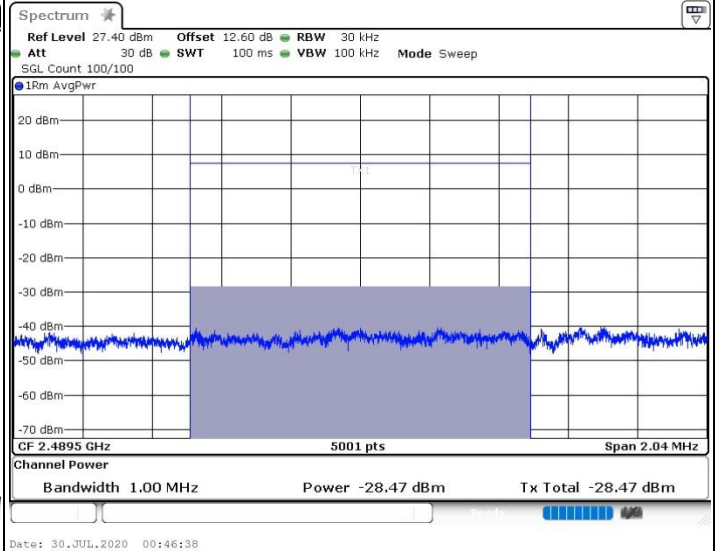
Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



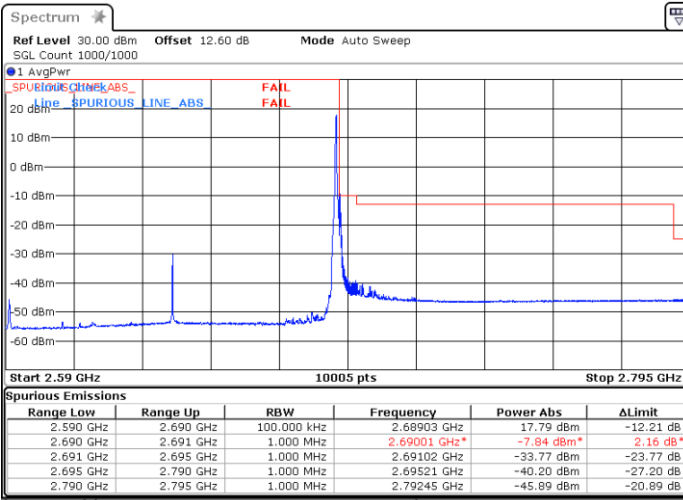
Channel Power < -13dBm Pass



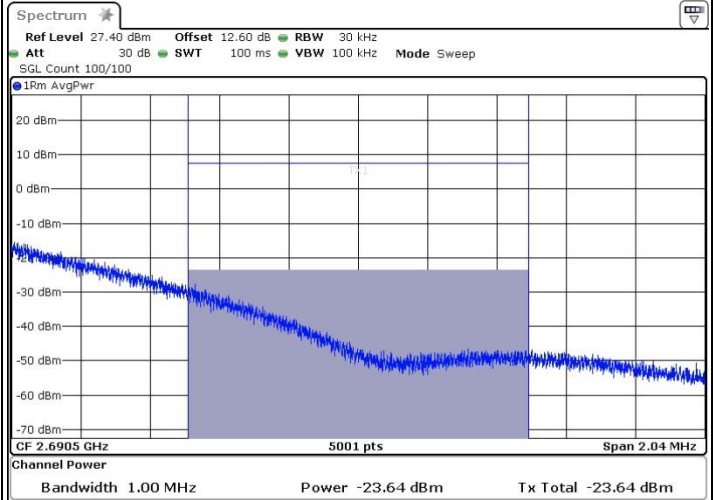


FR1 n41 / 100MHz / DFT-S OFDM BPSK

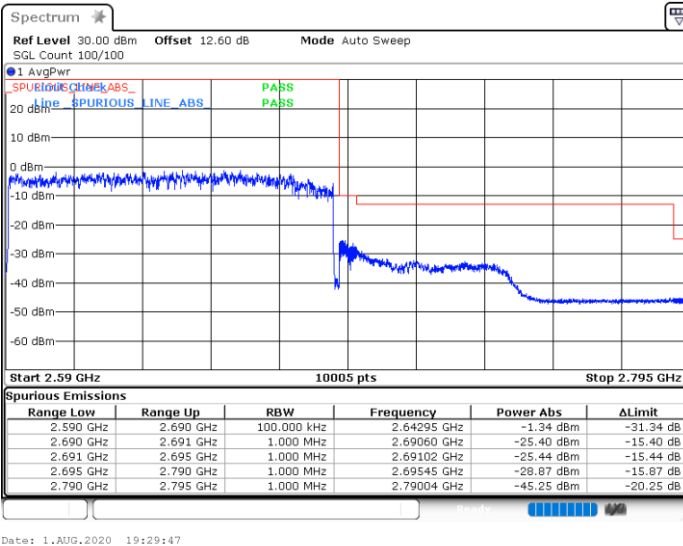
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



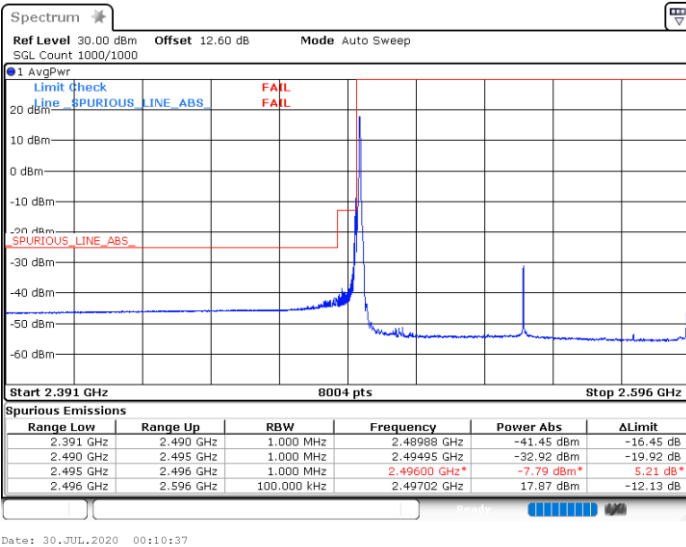
Channel Power < -10dBm Pass

/

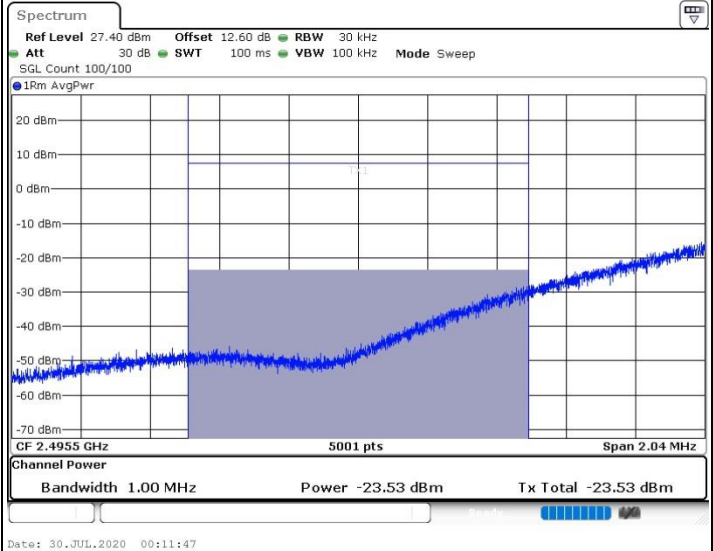


FR1 n41 / 100MHz / DFT-S OFDM QPSK

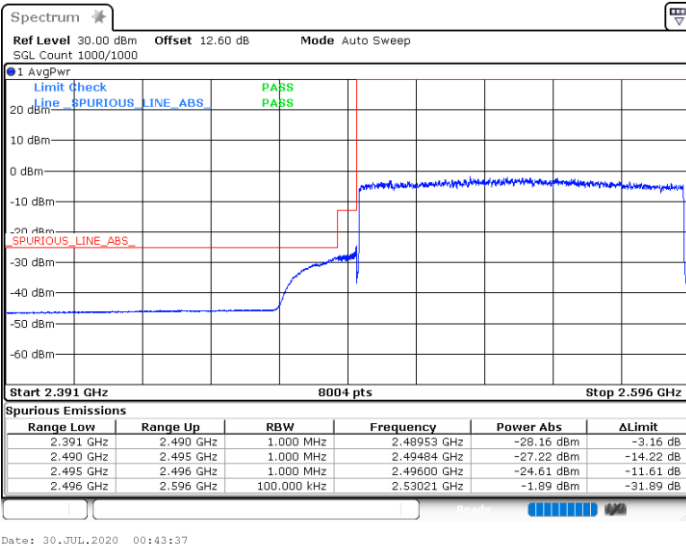
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



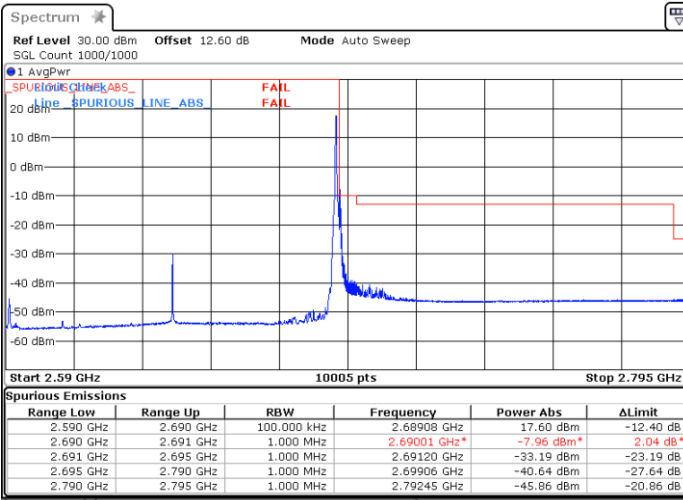
Channel Power < -13dBm Pass

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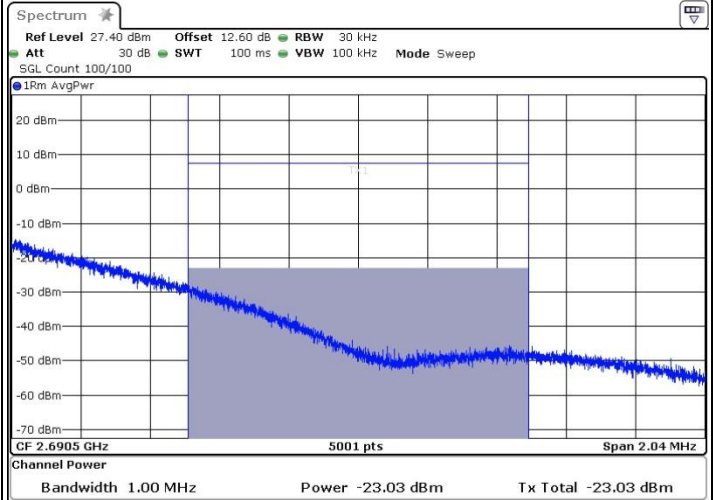


FR1 n41 / 100MHz / DFT-S OFDM QPSK

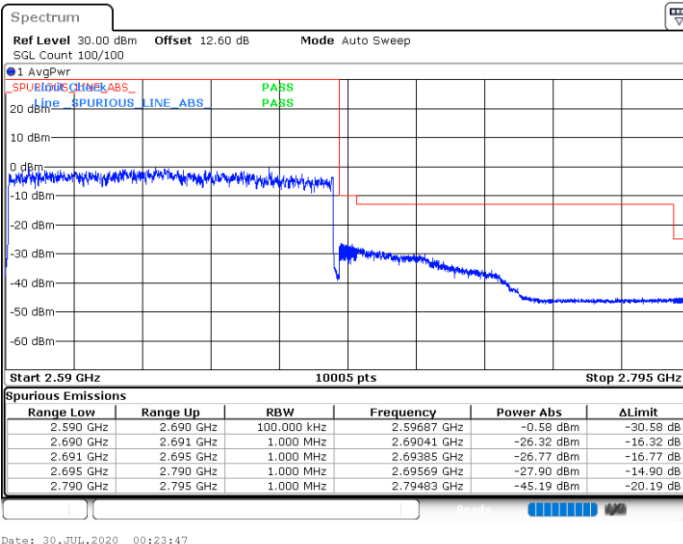
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



Channel Power < -10dBm Pass

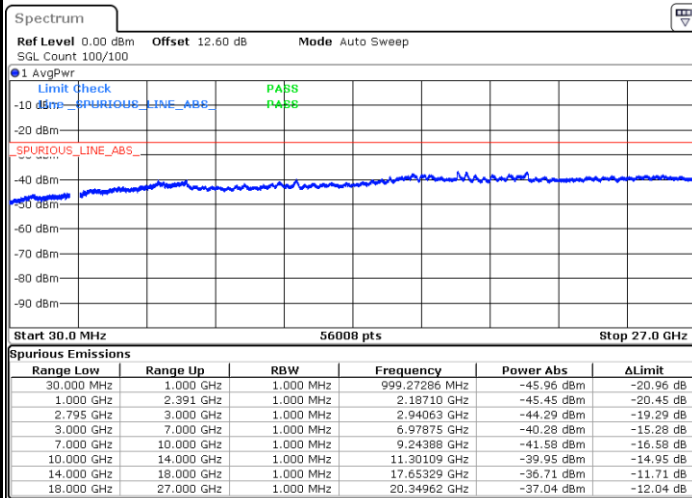
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Conducted Spurious Emission

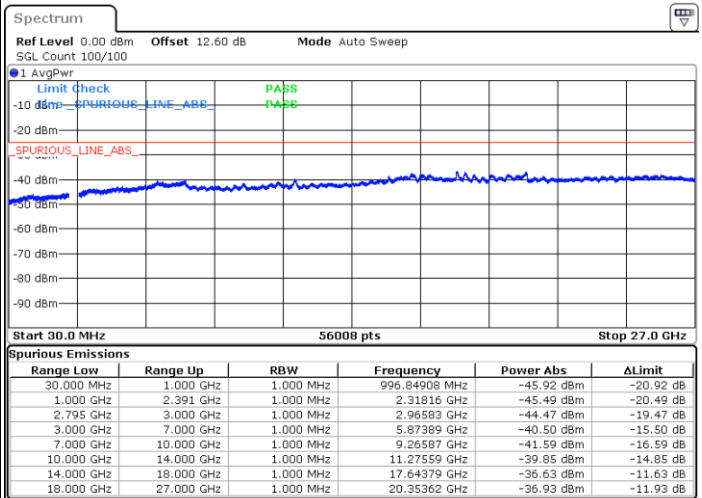
FR1 n41 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



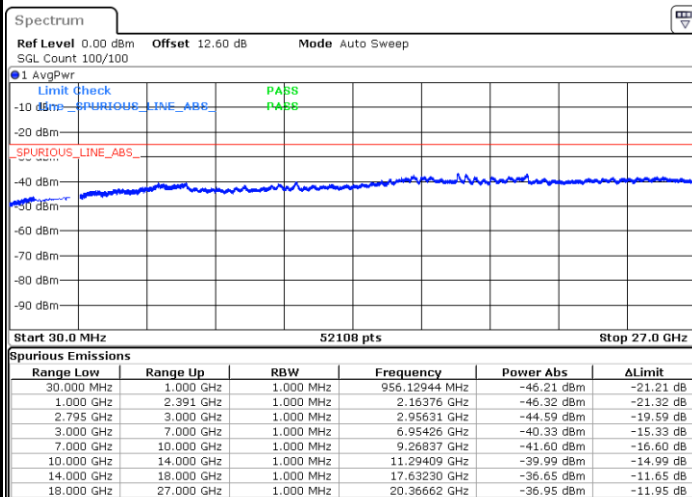
Date: 29.JUL.2020 21:51:20

Middle Channel / 1RB



Date: 29.JUL.2020 21:35:38

Highest Channel / 1RB

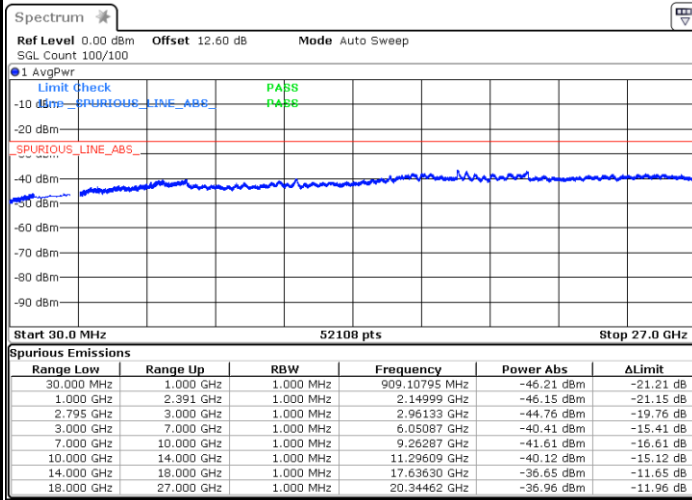


Date: 29.JUL.2020 22:17:28



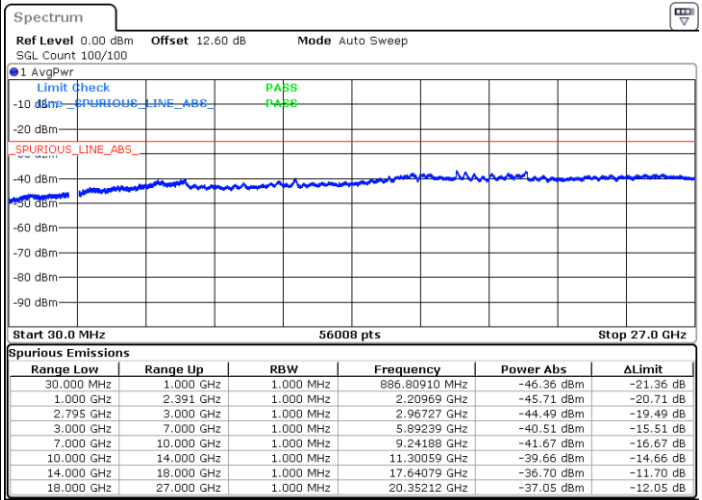
FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



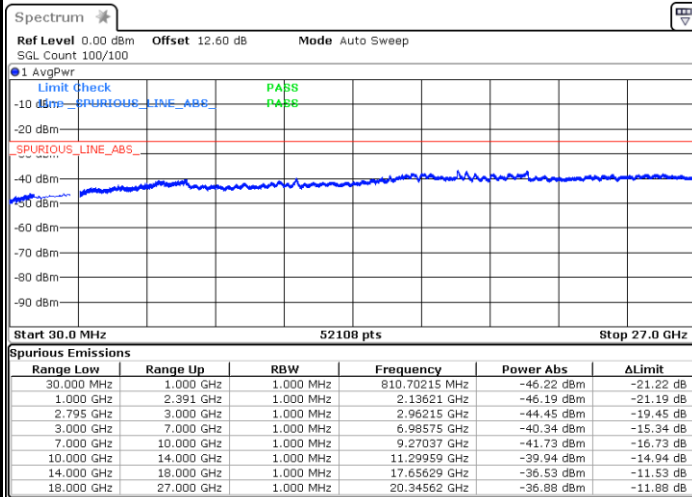
Date: 29.JUL.2020 21:45:33

Middle Channel / 1RB



Date: 29.JUL.2020 21:38:30

Highest Channel / 1RB

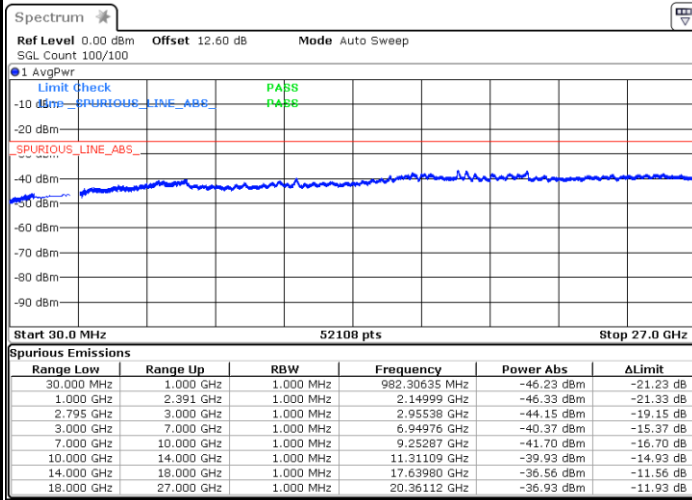


Date: 29.JUL.2020 22:19:30



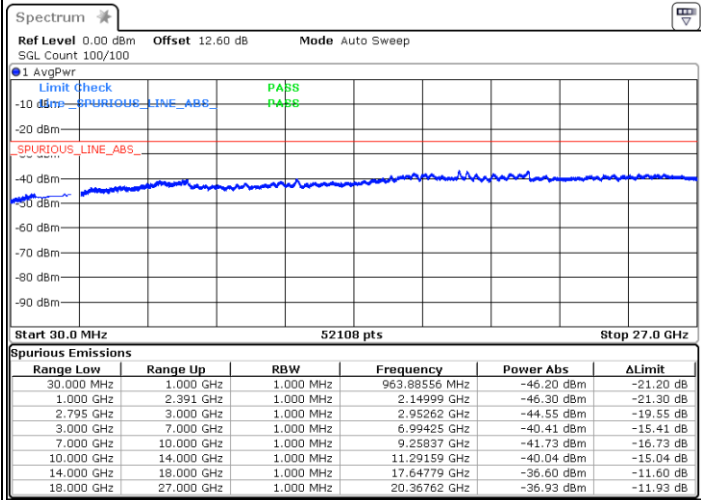
FR1 n41 / 60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



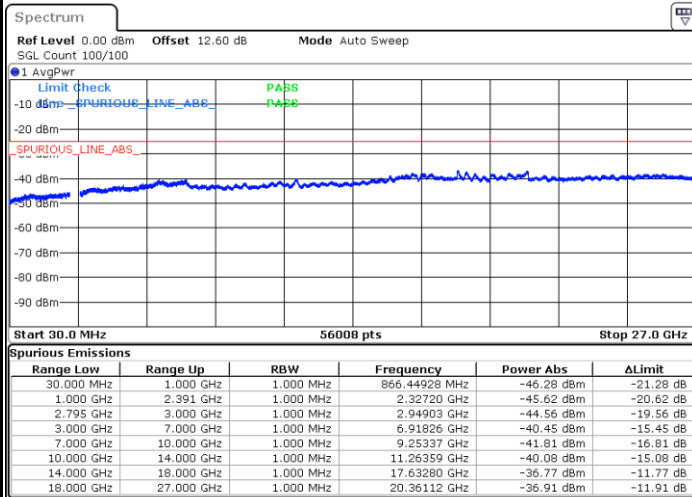
Date: 29.JUL.2020 22:39:48

Middle Channel / 1RB



Date: 29.JUL.2020 22:53:42

Highest Channel / 1RB



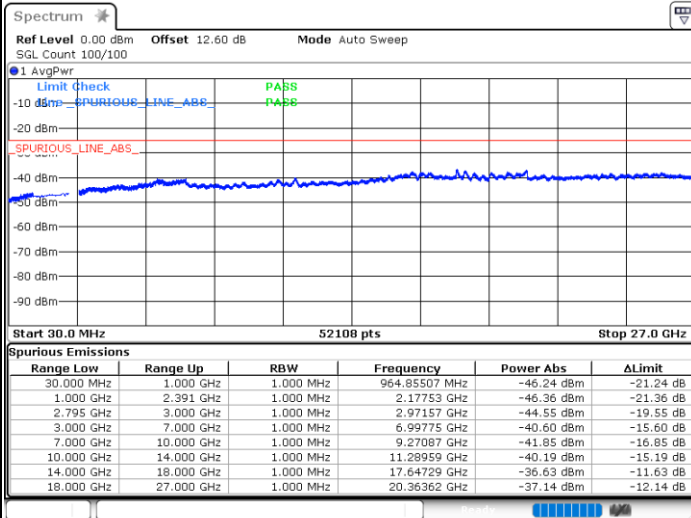
Date: 29.JUL.2020 23:08:36



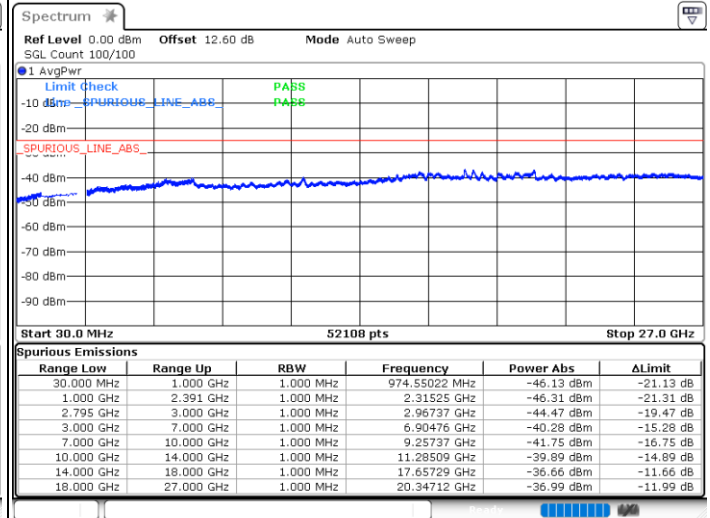
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

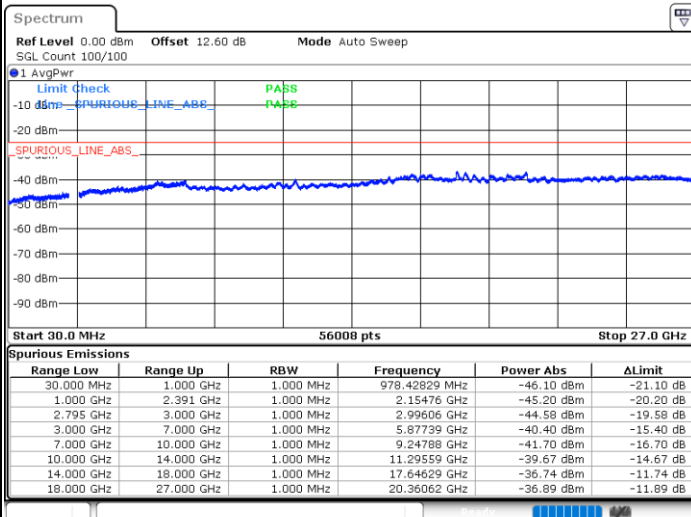


Date: 29.JUL.2020 22:41:42



Date: 29.JUL.2020 22:52:15

Highest Channel / 1RB

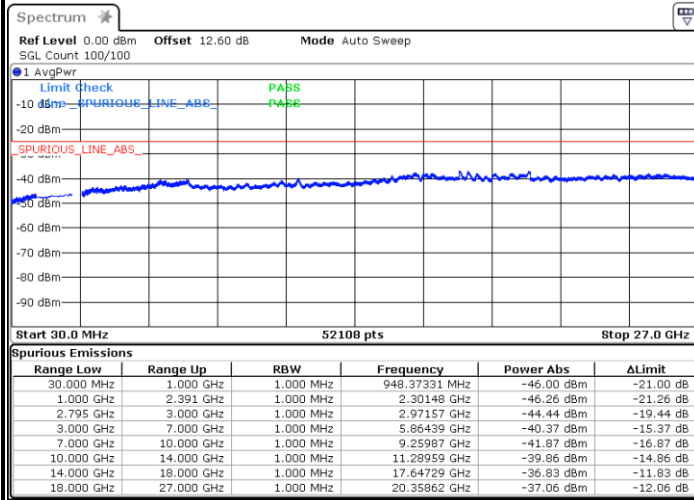


Date: 29.JUL.2020 23:11:07



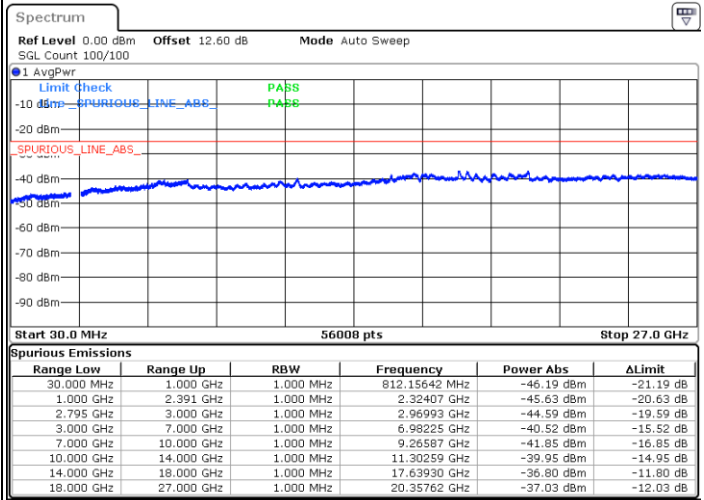
FR1 n41 / 100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



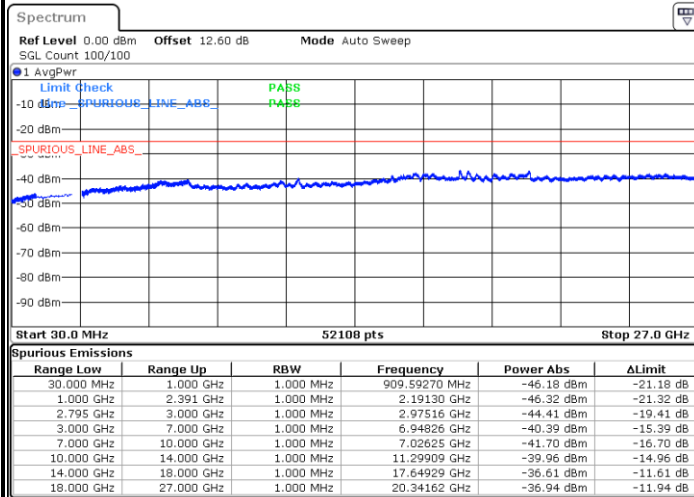
Date: 30.JUL.2020 00:08:15

Middle Channel / 1RB



Date: 29.JUL.2020 23:33:15

Highest Channel / 1RB

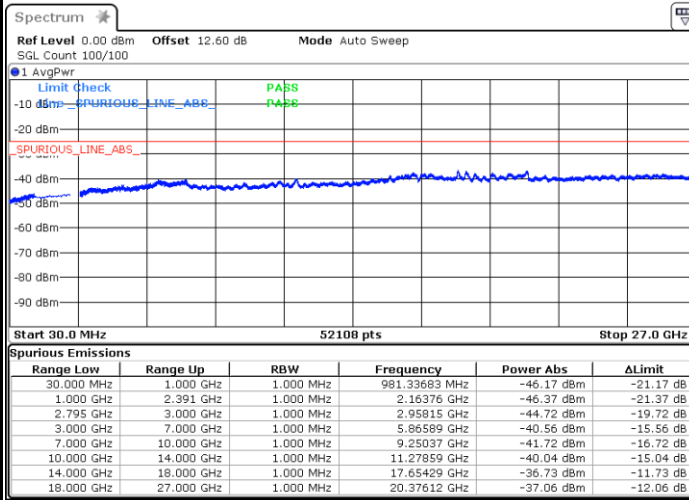


Date: 30.JUL.2020 00:28:08



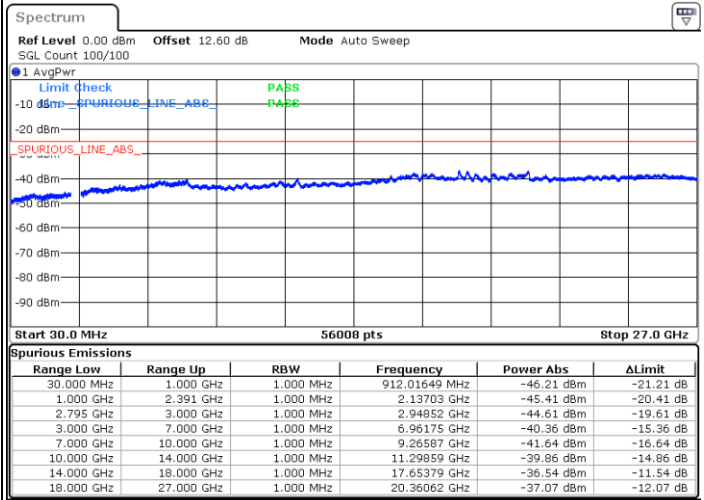
FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



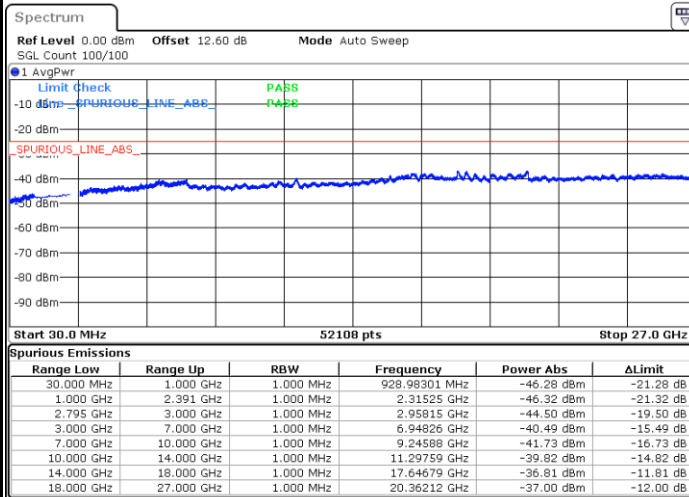
Date: 30.JUL.2020 00:09:53

Middle Channel / 1RB



Date: 29.JUL.2020 23:30:52

Highest Channel / 1RB



Date: 30.JUL.2020 00:26:35

**Frequency Stability**

Test Conditions		NR n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0016	



5G NR n66

NSA

Peak-to-Average Ratio

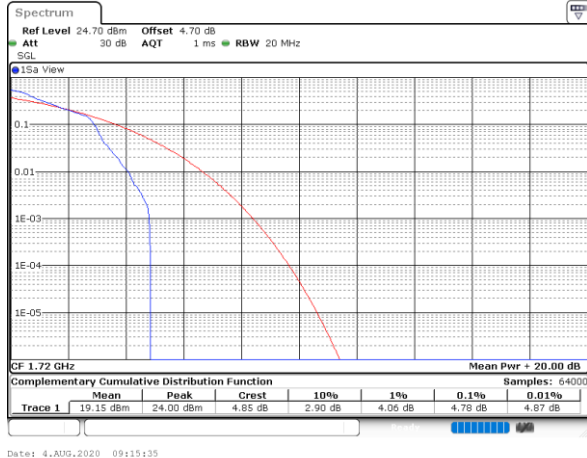
Mode	FR1 n66+5A / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.78	5.1	5.65	5.13	PASS
Middle CH	4.29	3.68	5.59	5.48	
Highest CH	4.58	3.88	5.65	5.19	



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

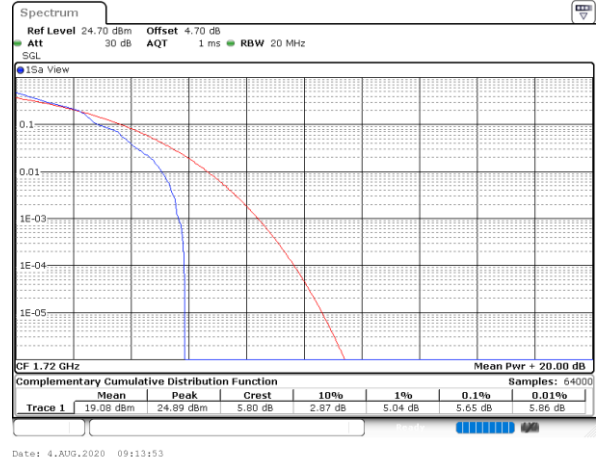
PI/2 BPSK

Lowest Channel / 1RB

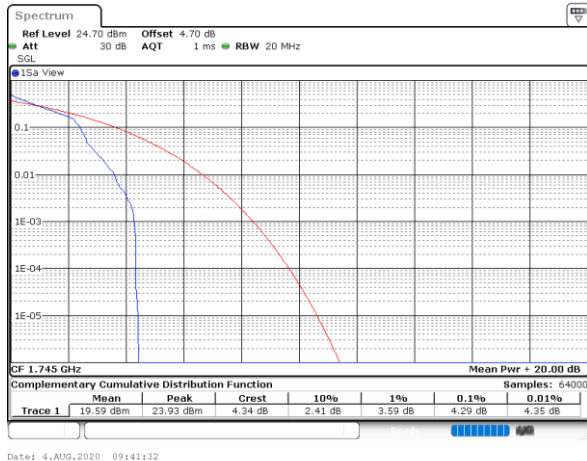


QPSK

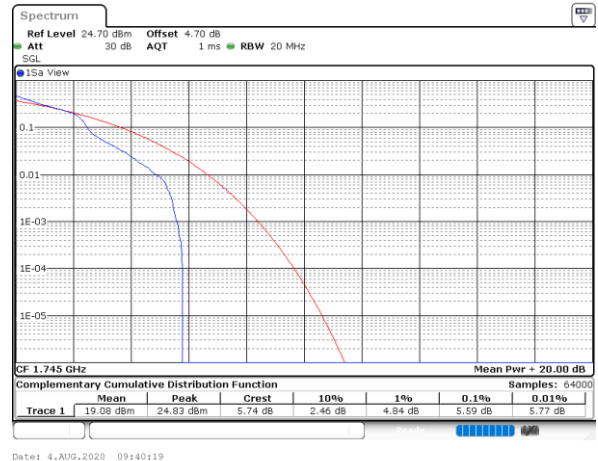
Lowest Channel / 1RB



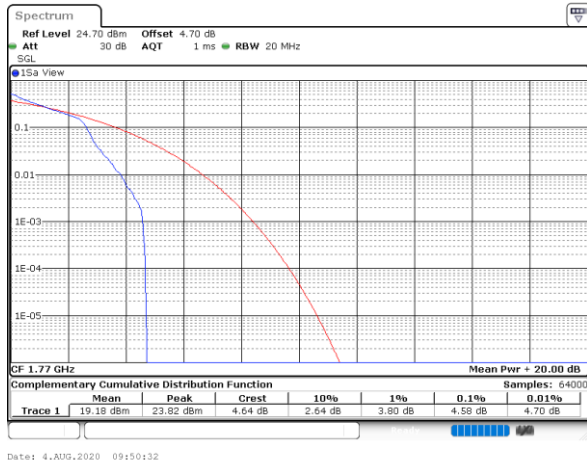
Middle Channel / 1 RB



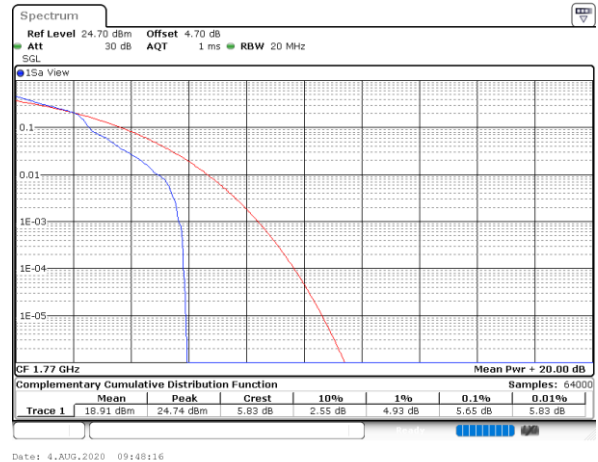
Middle Channel / 1 RB



Highest Channel / 1 RB



Highest Channel / 1 RB





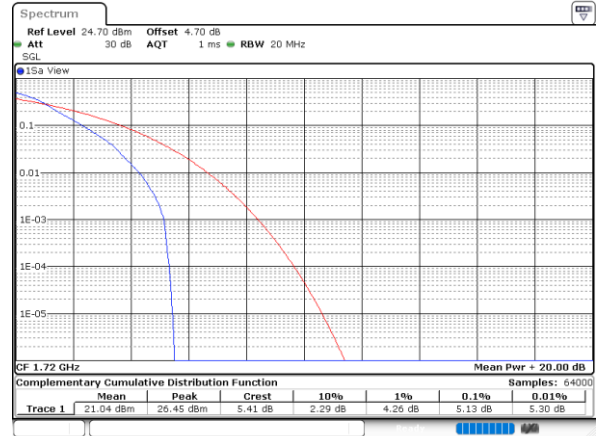
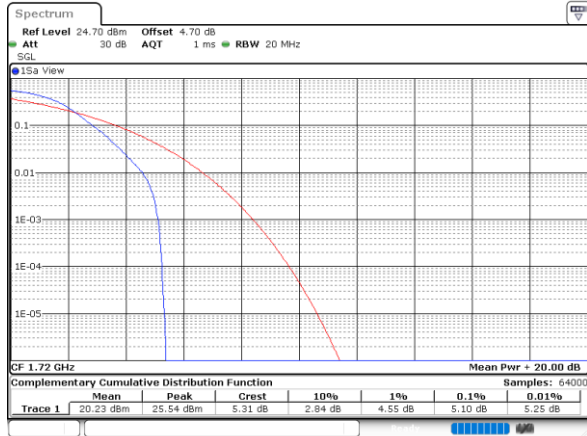
FR1 n66+5A / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

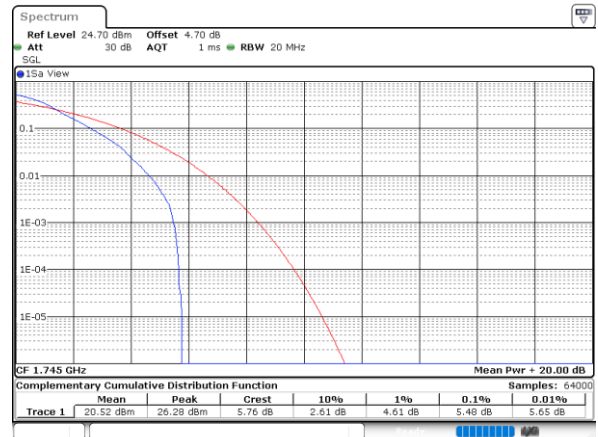
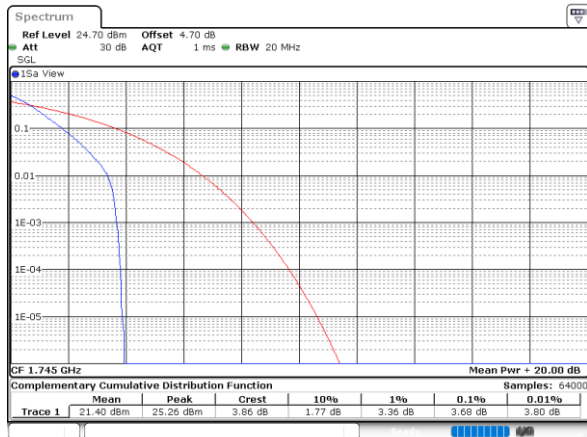
Lowest Channel / Full RB

Lowest Channel / Full RB



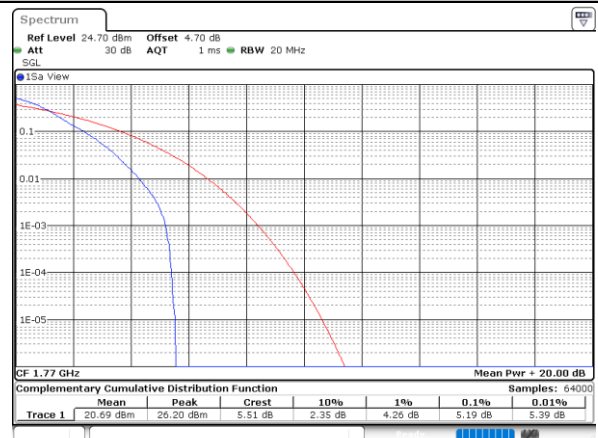
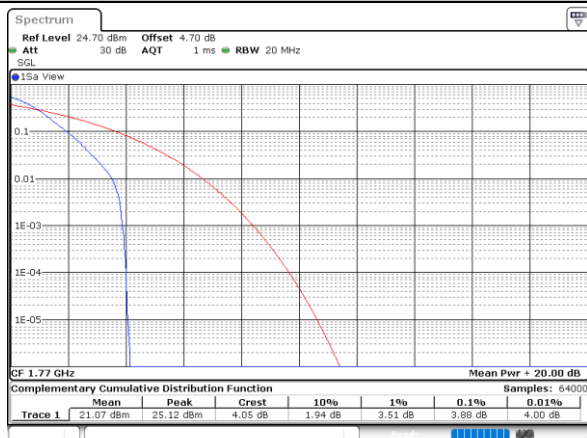
Middle Channel / Full RB

Middle Channel / Full RB



Highest Channel / Full RB

Highest Channel / Full RB



**26dB Bandwidth**

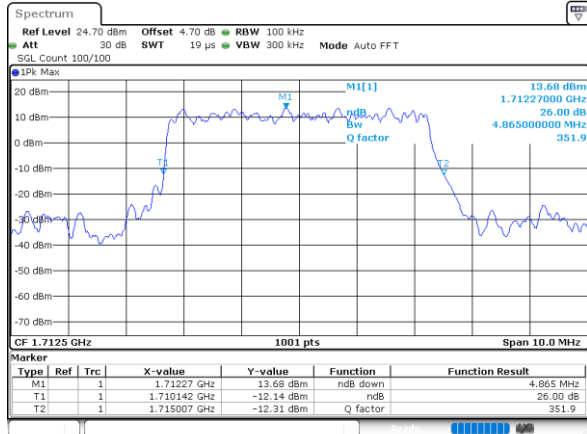
Mode	FR1 n66+5A : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz	5MHz	10MHz	10MHz	20MHz	20MHz		
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Lowest CH	4.86	5.02	9.23	9.31	18.58	18.62		
Middle CH	4.78	4.78	9.35	9.21	18.82	18.66		
Highest CH	4.7	4.9	9.39	9.37	18.66	18.62		



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

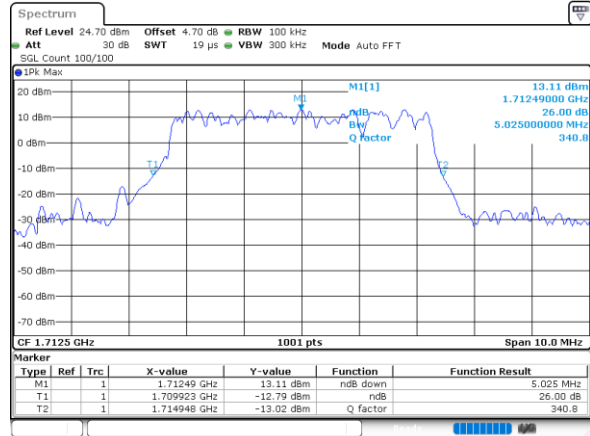
PI/2 BPSK

Lowest Channel

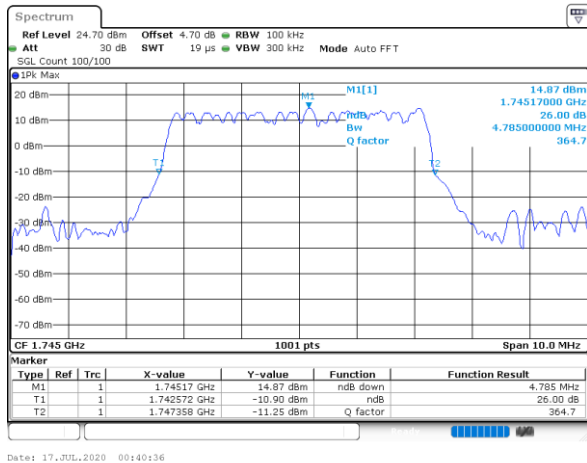


QPSK

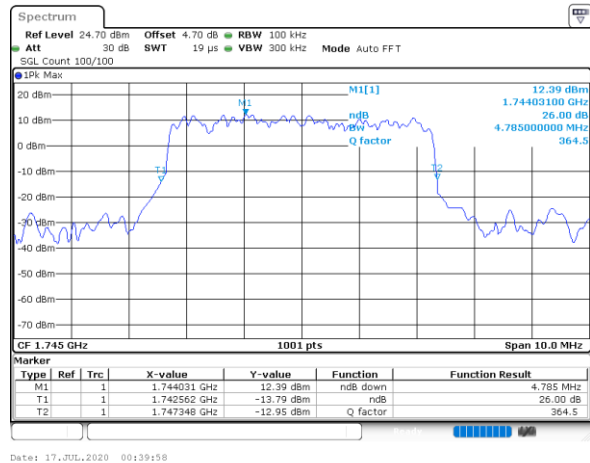
Lowest Channel



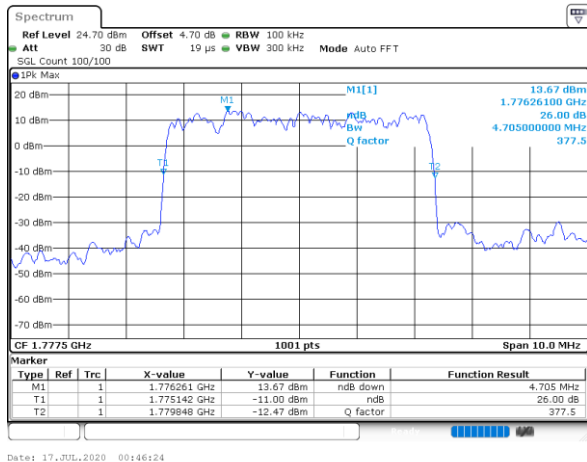
Middle Channel



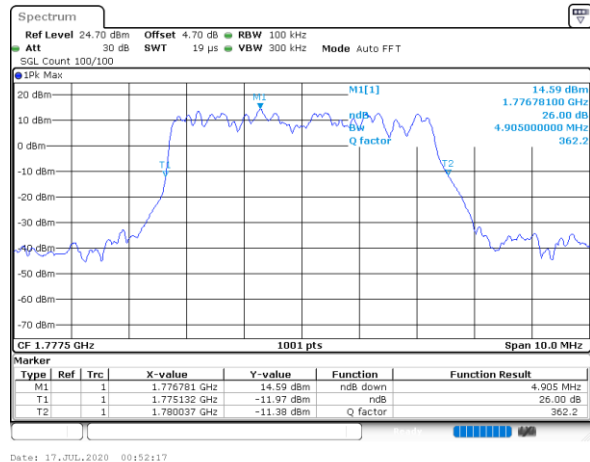
Middle Channel



Highest Channel



Highest Channel

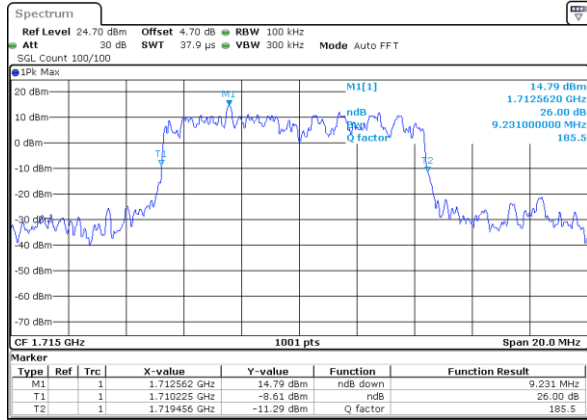




FR1 n66+5A / 10MHz / DFT-S OFDM

PI/2 BPSK

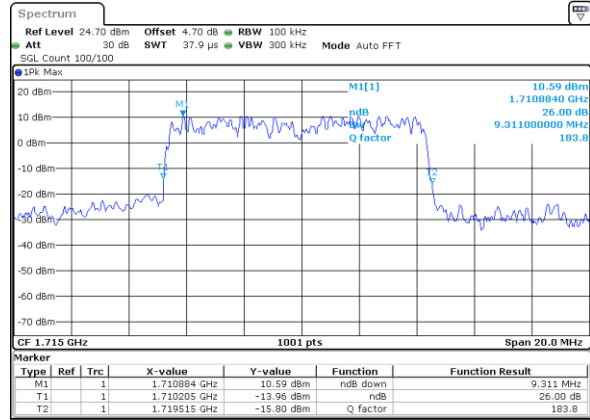
Lowest Channel



Date: 16.JUL.2020 22:19:35

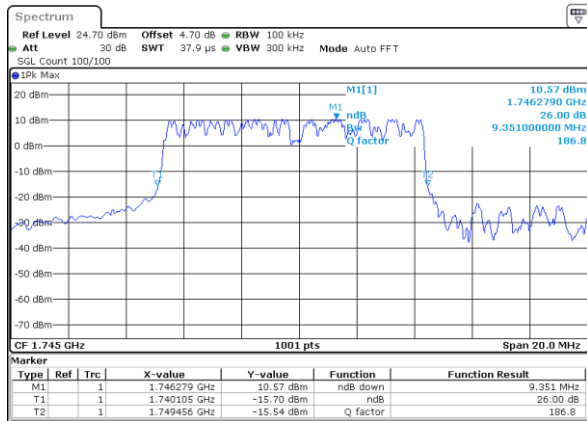
QPSK

Lowest Channel



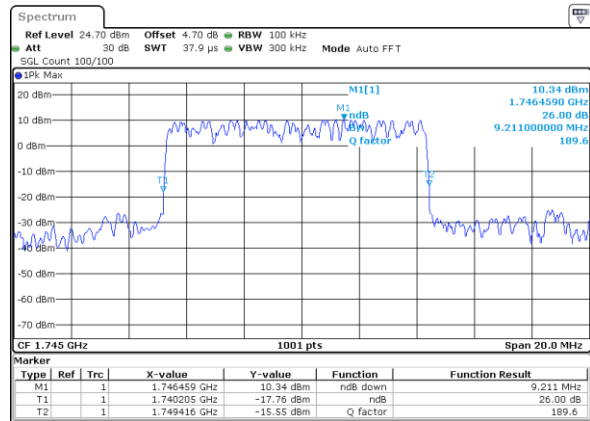
Date: 16.JUL.2020 22:18:13

Middle Channel



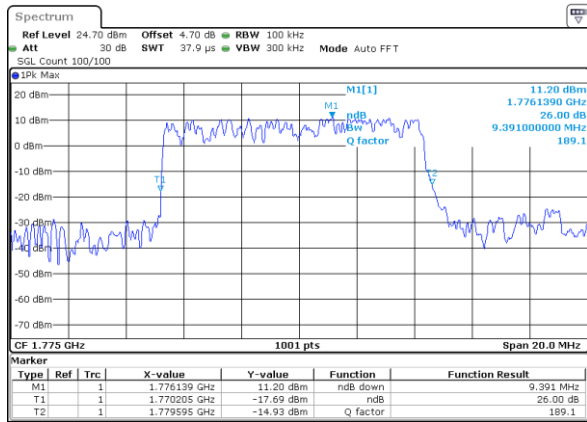
Date: 16.JUL.2020 22:41:51

Middle Channel



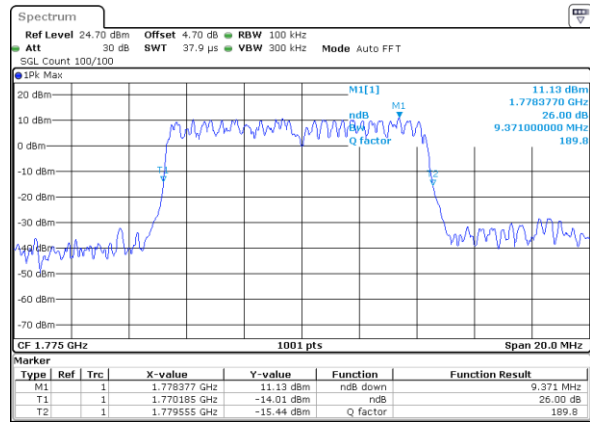
Date: 16.JUL.2020 22:42:30

Highest Channel



Date: 16.JUL.2020 23:12:39

Highest Channel



Date: 16.JUL.2020 23:11:15



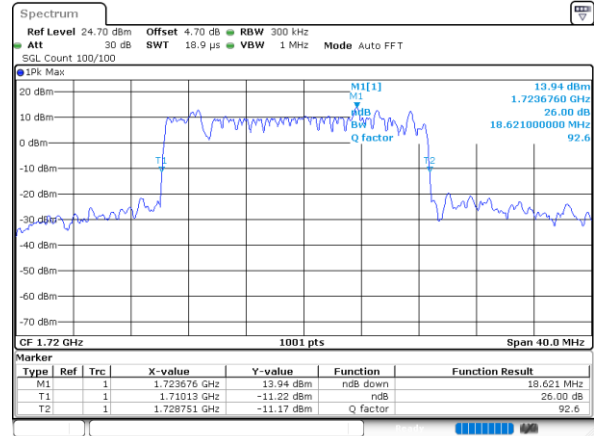
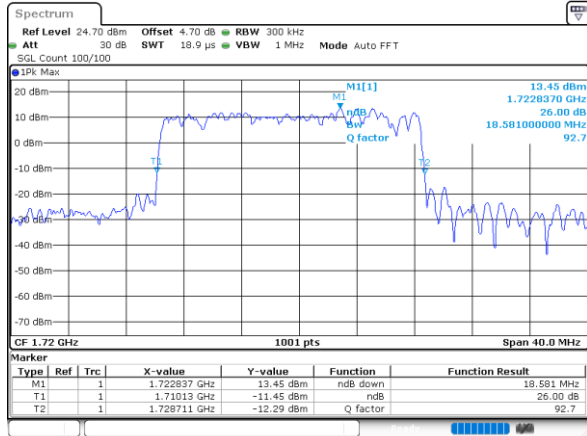
FR1 n66+5A / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

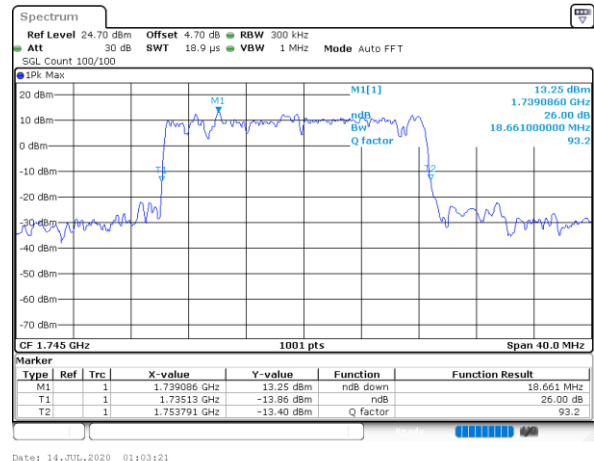
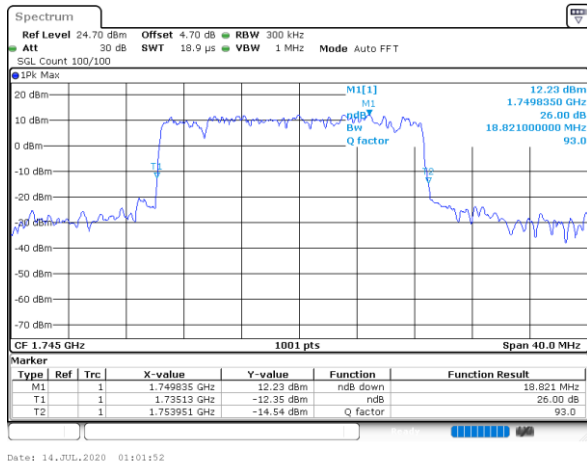
Lowest Channel

Lowest Channel



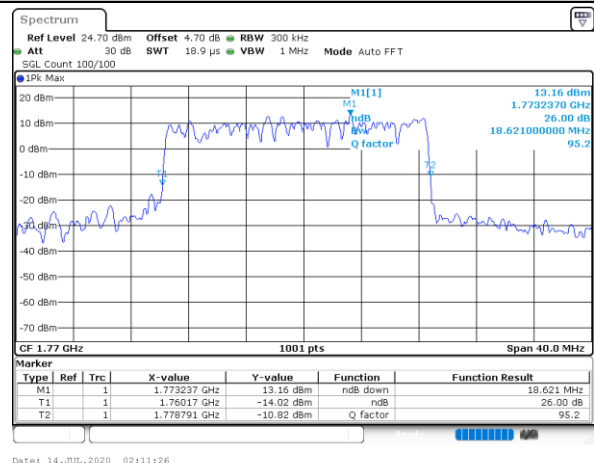
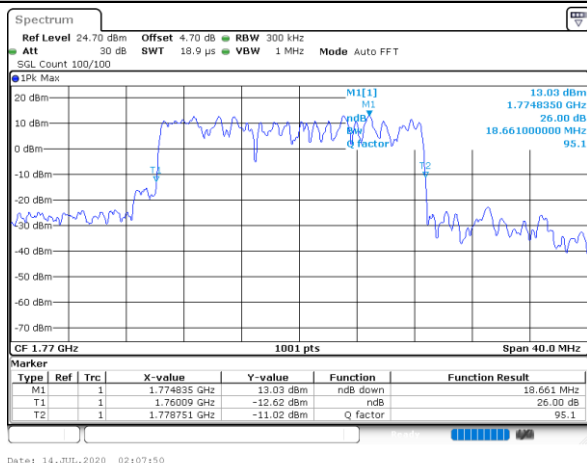
Middle Channel

Middle Channel



Highest Channel

Highest Channel





Occupied Bandwidth

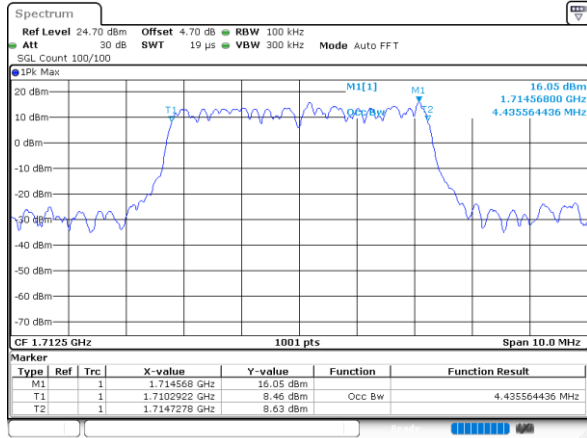
Mode	FR1 n66+5A : OB BW(MHz) / DFT-S OFDM							
BW	5MHz	5MHz	10MHz	10MHz	20MHz	20MHz		
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Lowest CH	4.43	4.45	8.93	8.93	17.86	17.82		
Middle CH	4.53	4.47	8.83	8.93	17.94	17.9		
Highest CH	4.48	4.46	8.91	8.93	17.9	18.02		



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

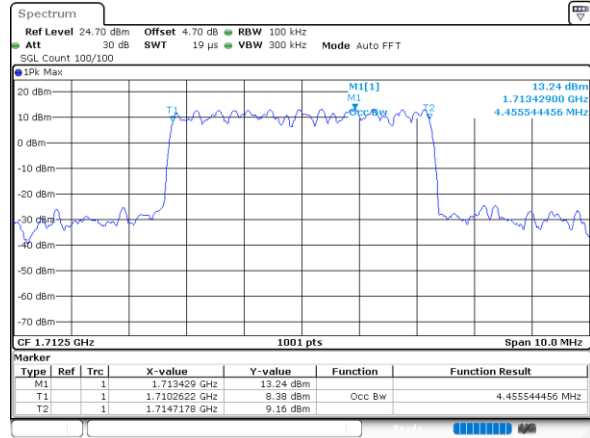
PI/2 BPSK

Lowest Channel

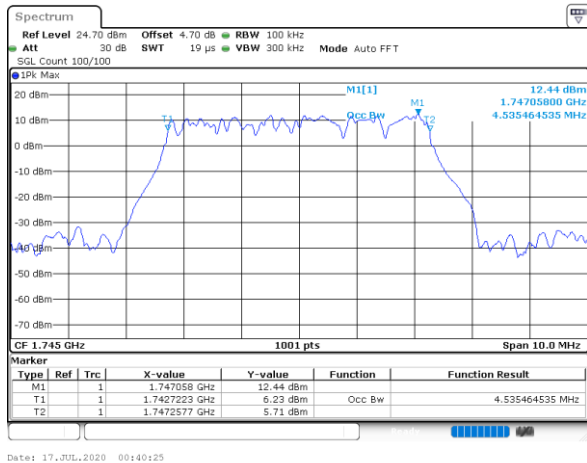


QPSK

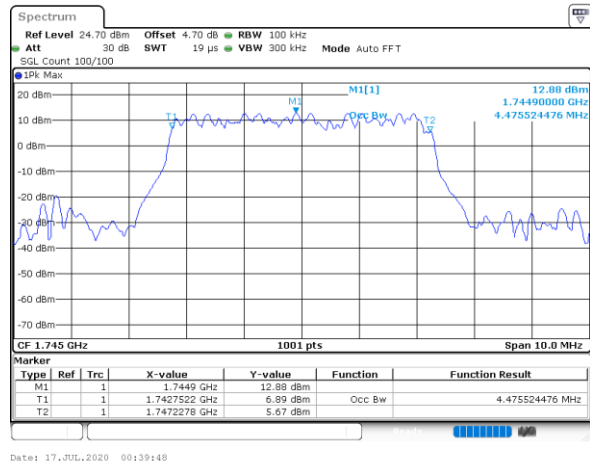
Lowest Channel



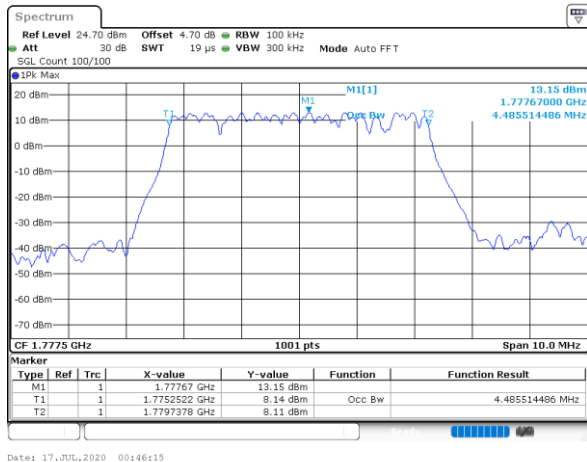
Middle Channel



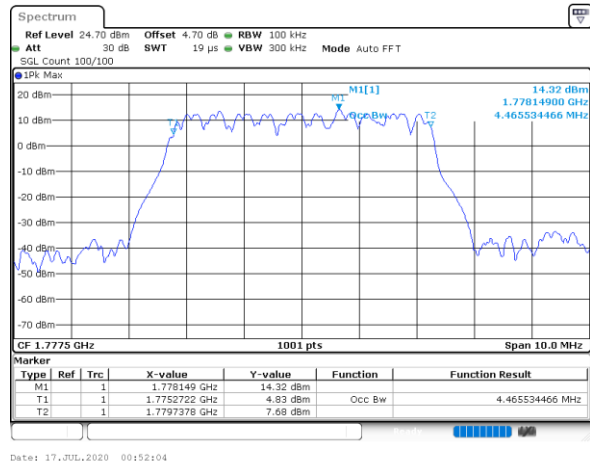
Middle Channel



Highest Channel



Highest Channel

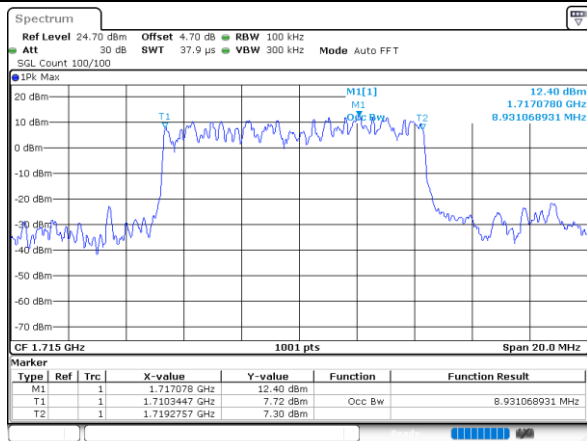




FR1 n66+5A / 10MHz / DFT-S OFDM

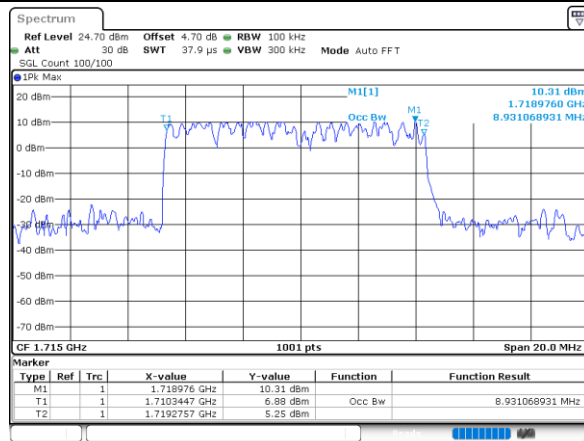
PI/2 BPSK

Lowest Channel

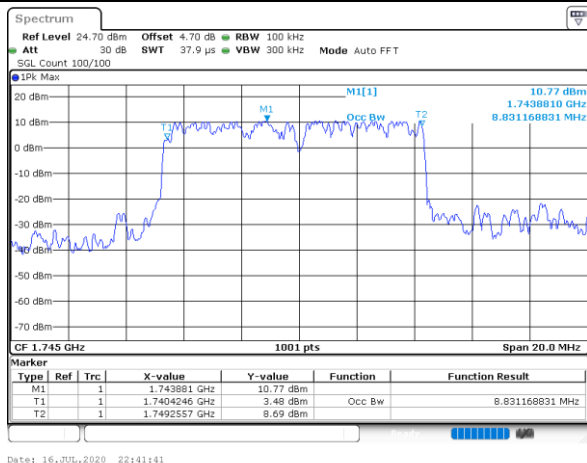


QPSK

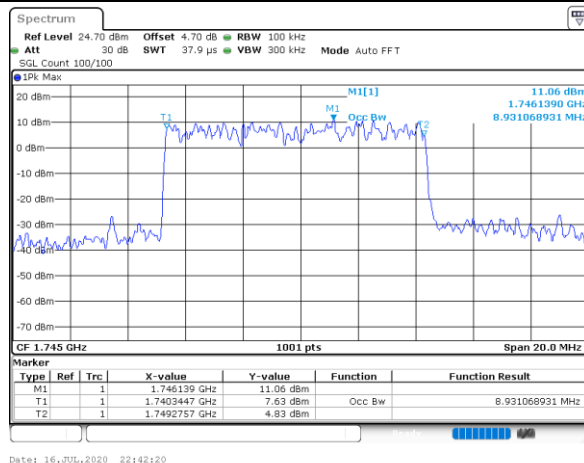
Lowest Channel



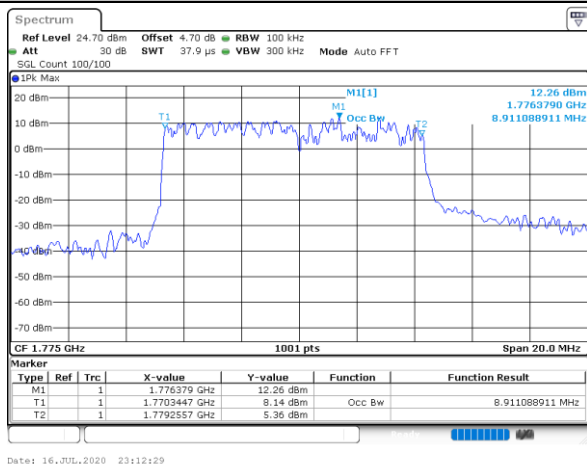
Middle Channel



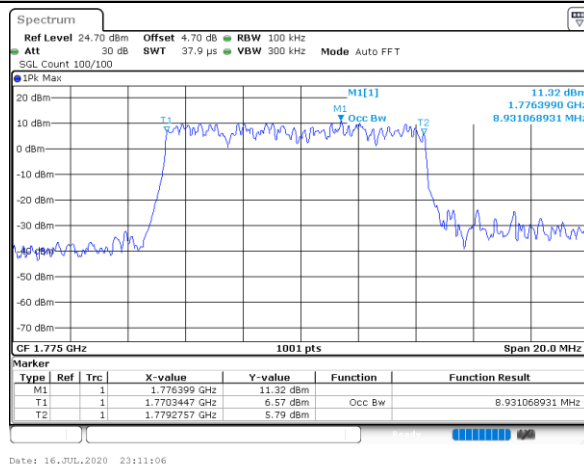
Middle Channel



Highest Channel



Highest Channel





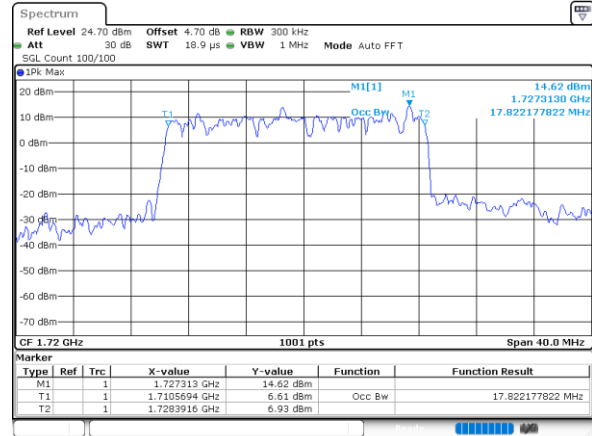
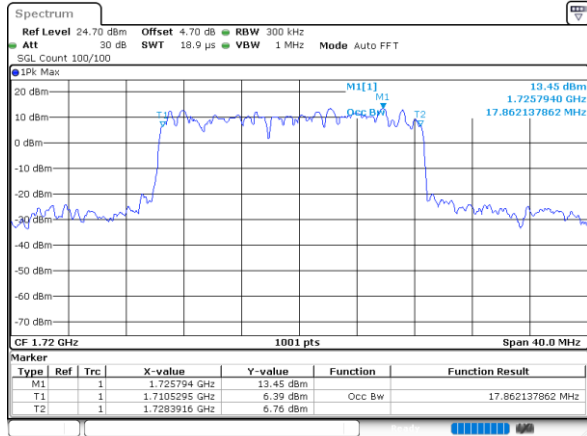
FR1 n66+5A / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

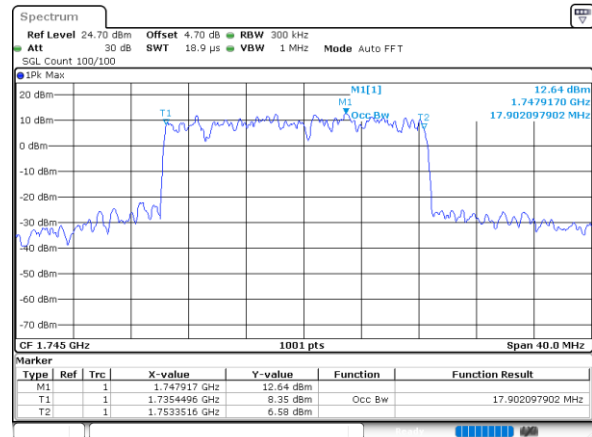
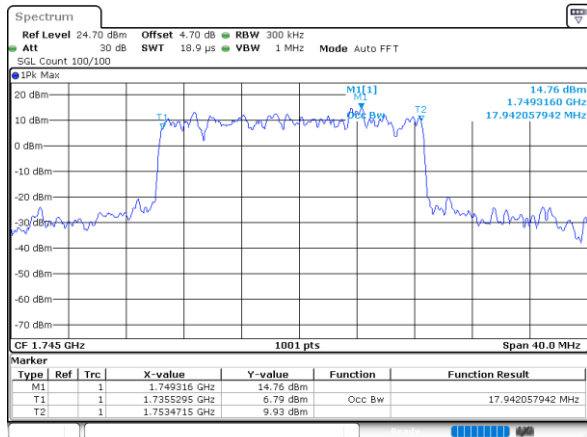
Lowest Channel

Lowest Channel



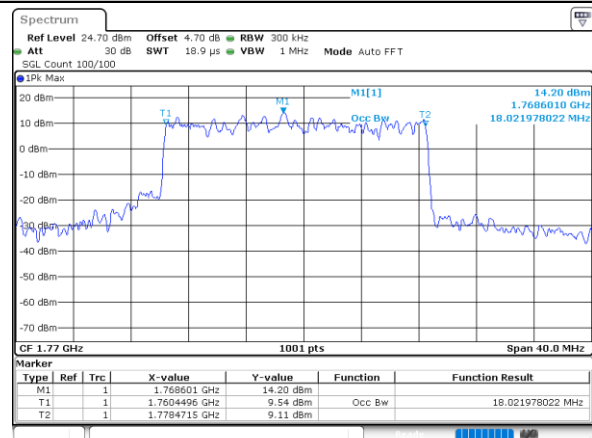
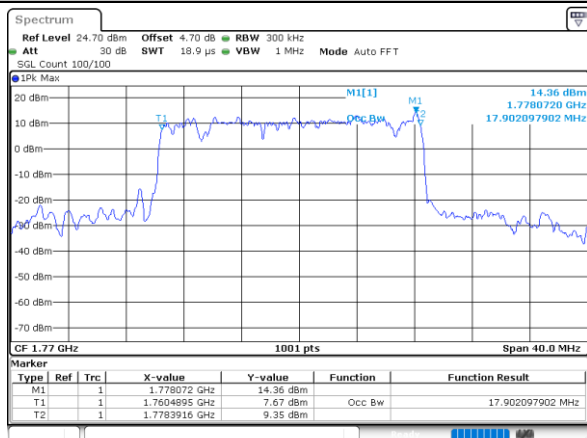
Middle Channel

Middle Channel



Highest Channel

Highest Channel

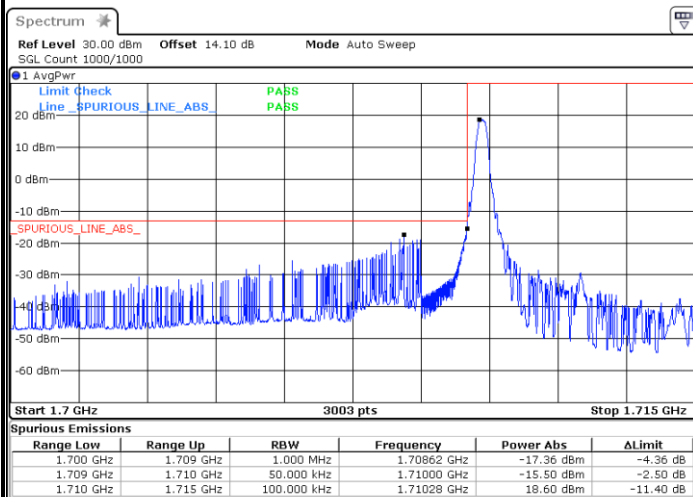




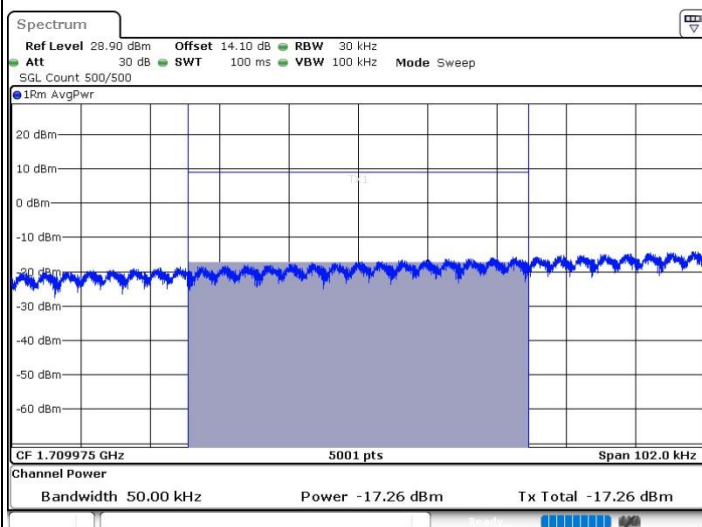
Conducted Band Edge

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

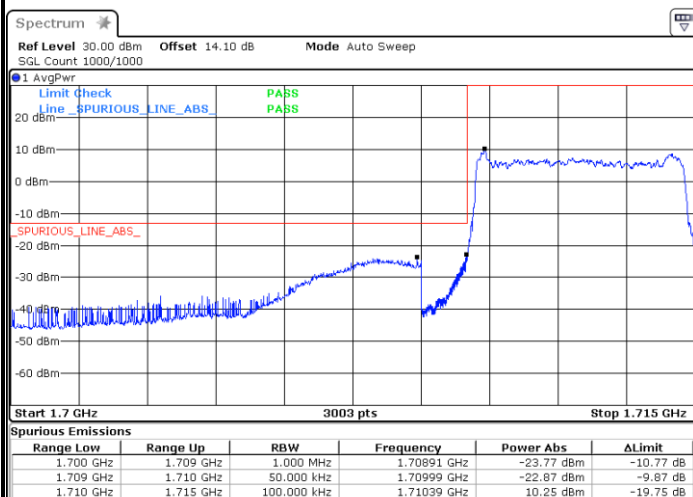
Lowest Band Edge / 1 RB



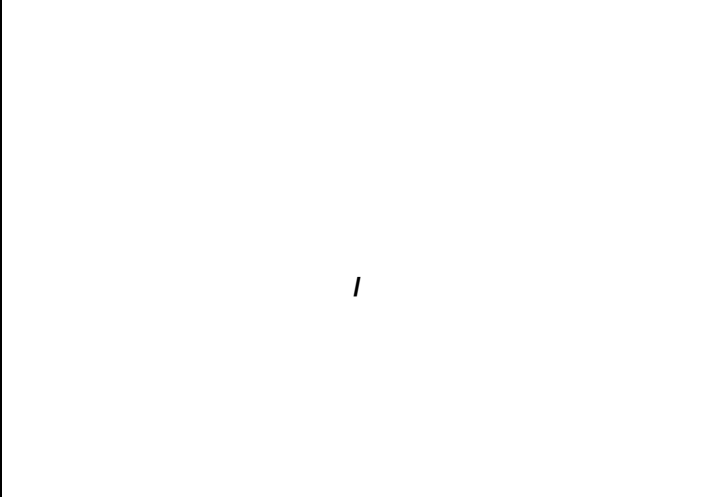
Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

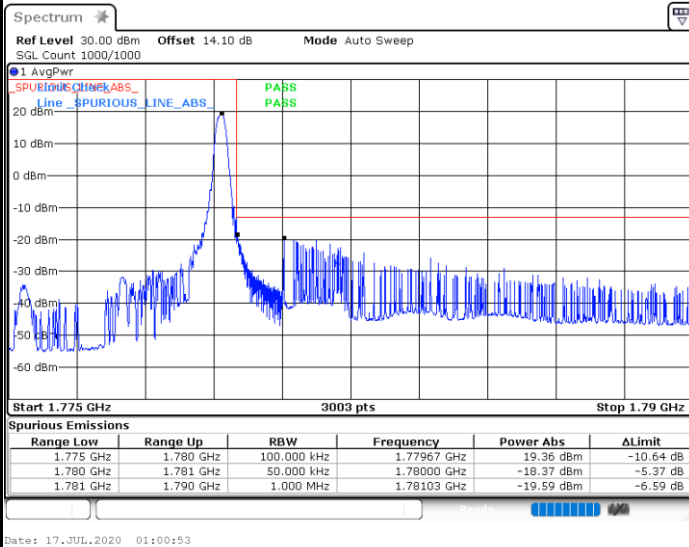




FR1 n66+5A / 5MHz / DFT-S OFDM BPSK

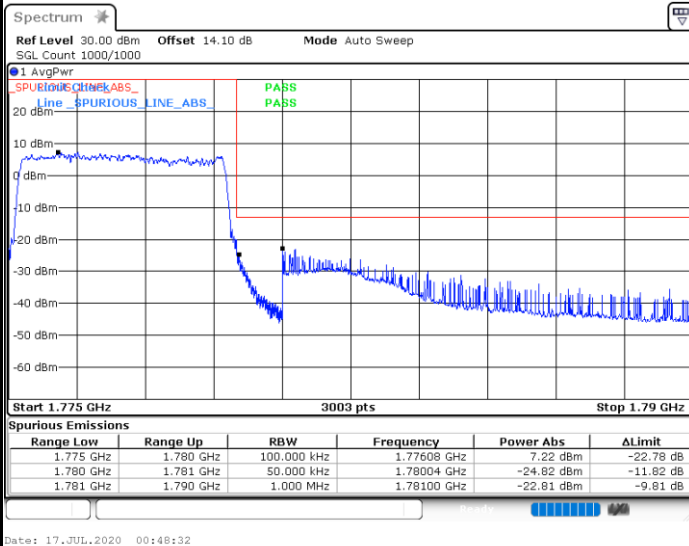
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

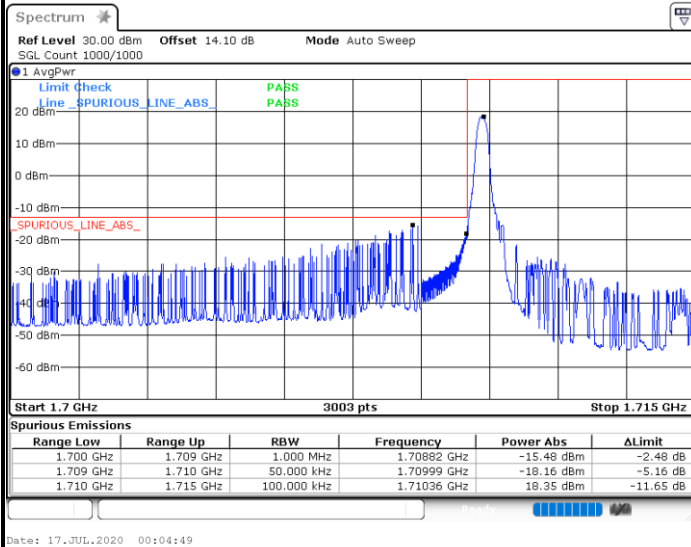
Channel Power < -13dBm Pass



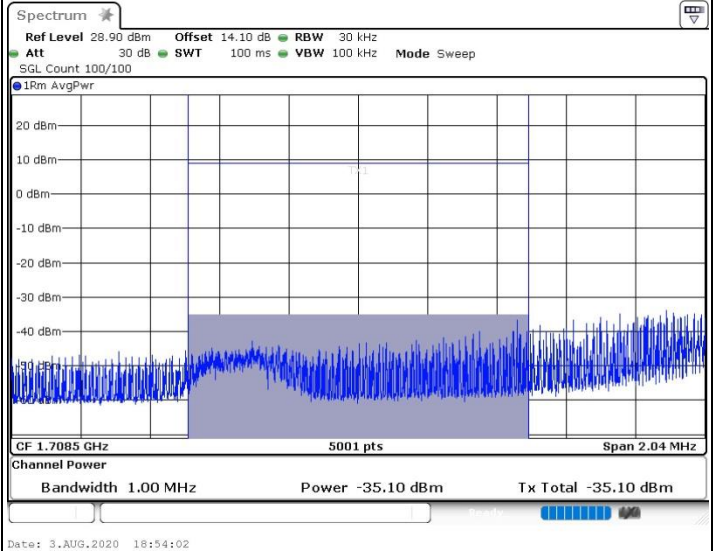


FR1 n66+5A / 5MHz / DFT-S OFDM QPSK

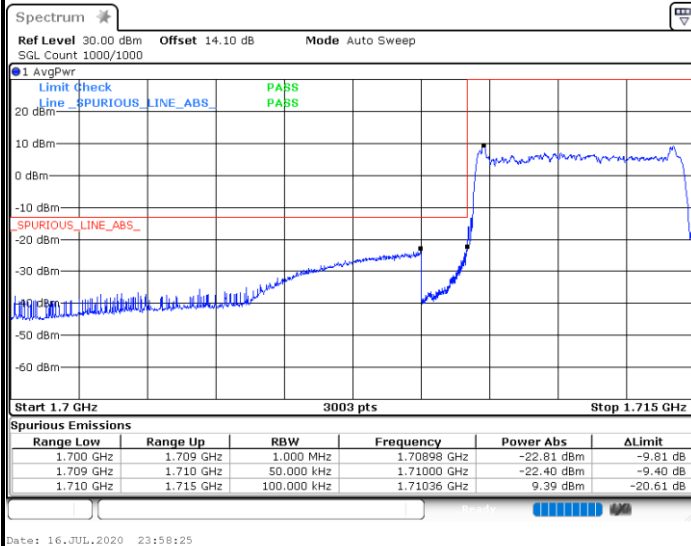
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



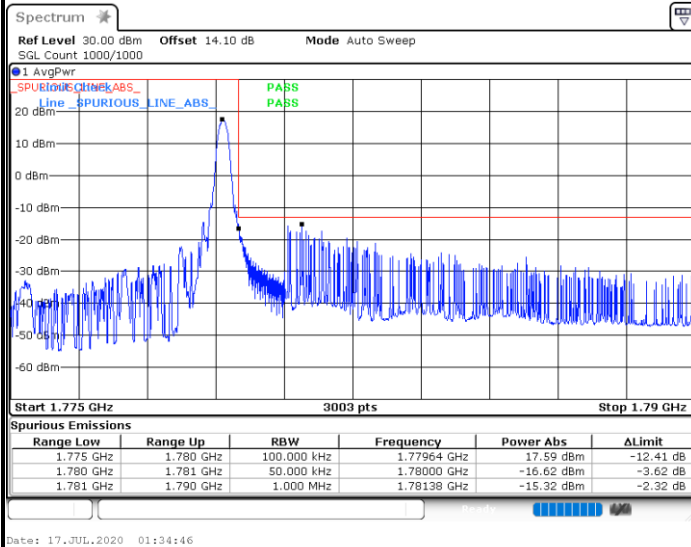
Channel Power < -13dBm Pass

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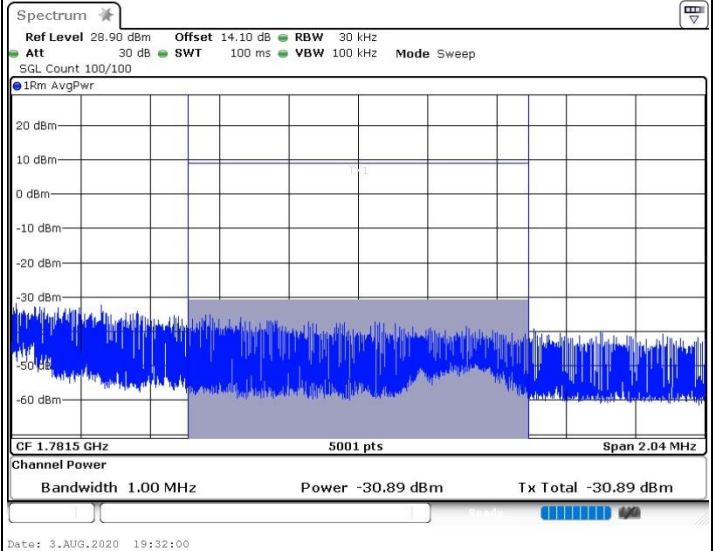


FR1 n66+5A / 5MHz / DFT-S OFDM QPSK

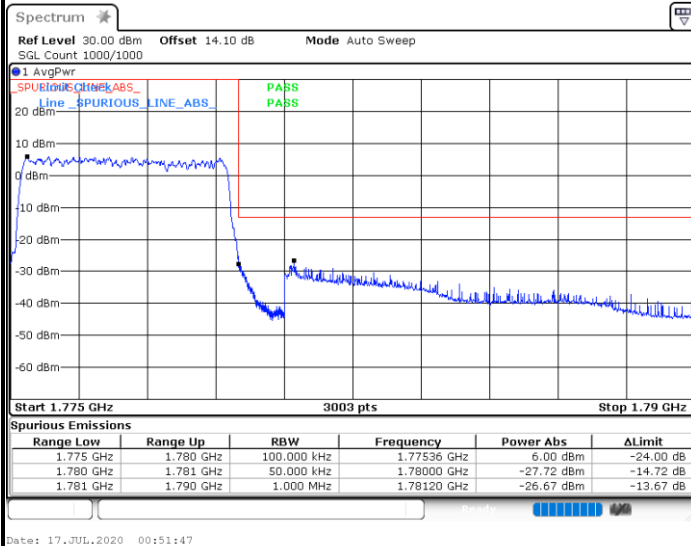
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



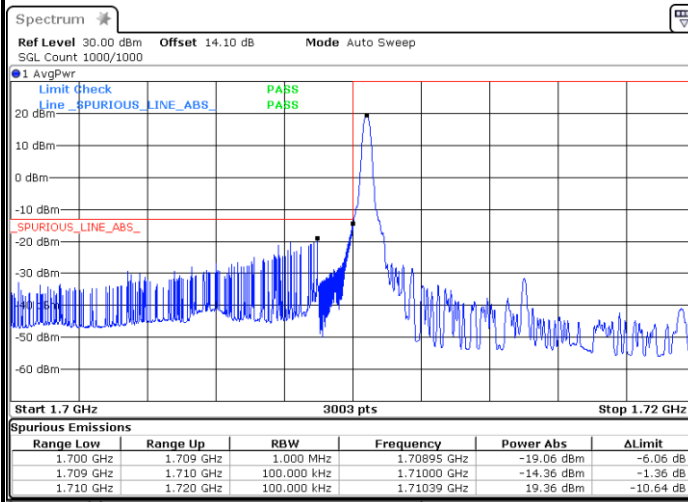
Channel Power < -13dBm Pass

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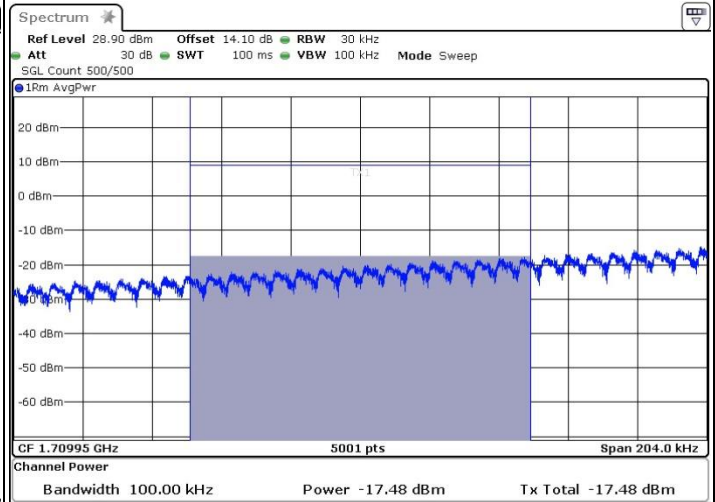


FR1 n66+5A / 10MHz / DFT-S OFDM BPSK

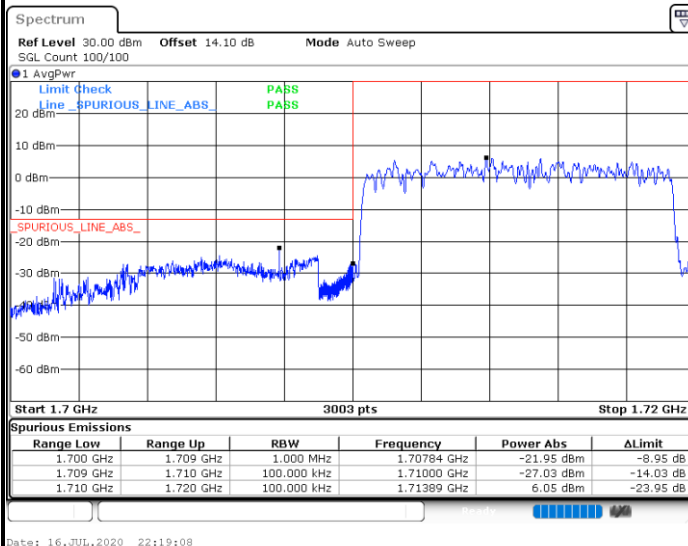
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

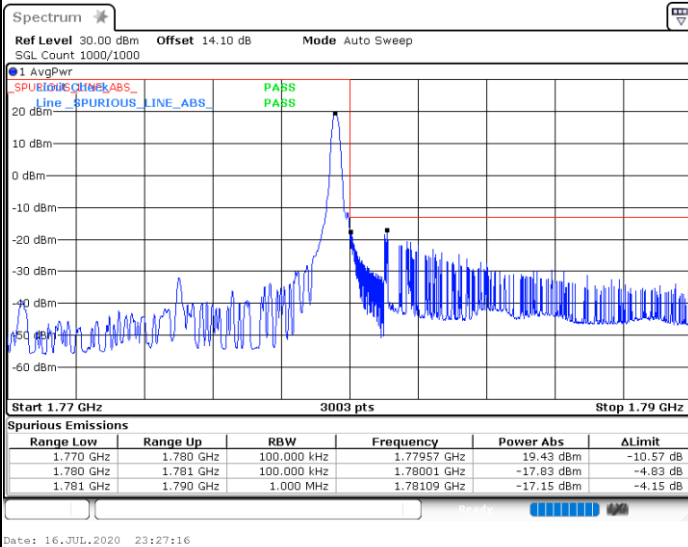
/



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

