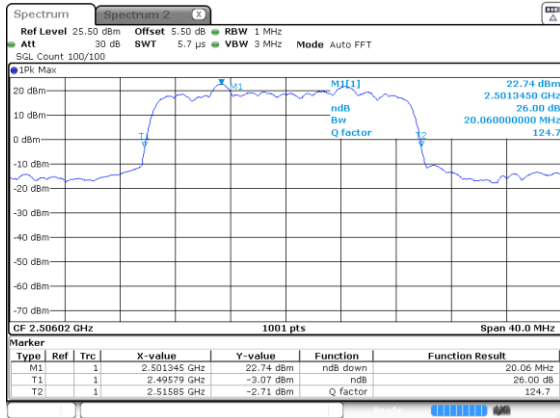




n41

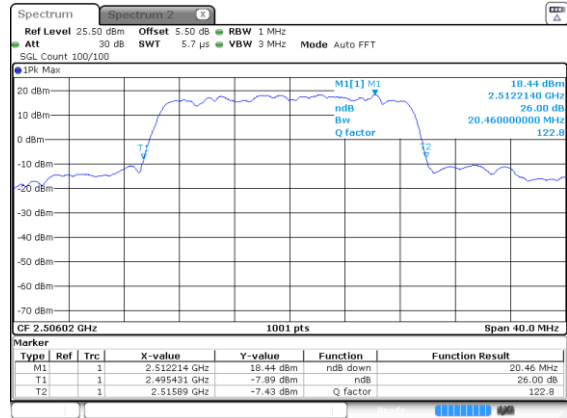
20MHz

Lowest Channel / BPSK



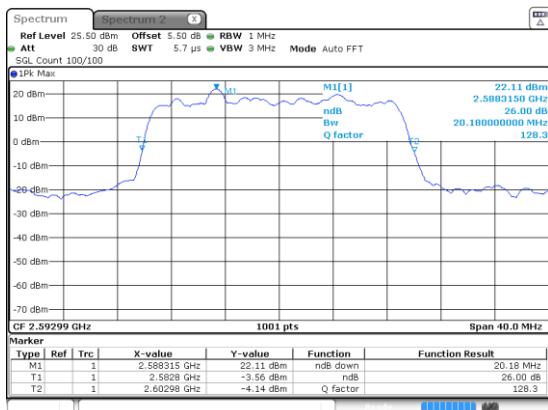
Date: 22 MAY 2020, 16:11:18

Lowest Channel / 16QAM

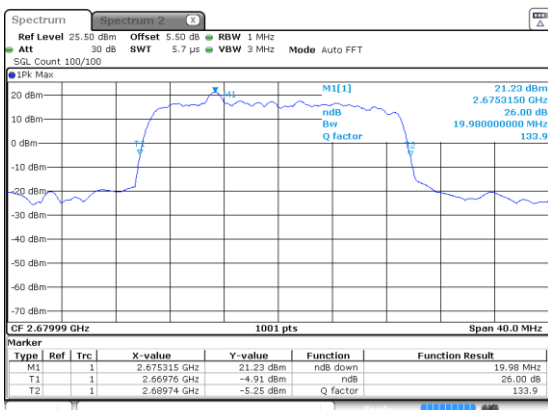


Date: 22 MAY 2020, 16:18:06

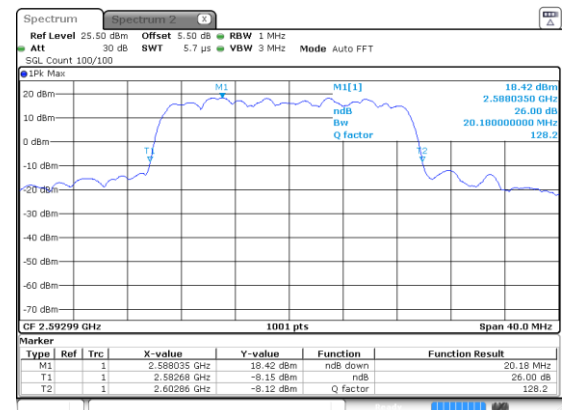
Middle Channel / BPSK



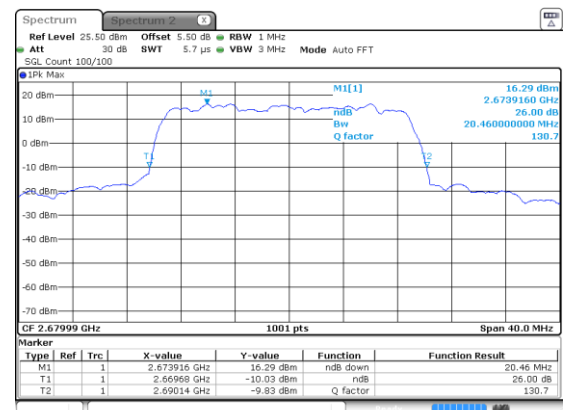
Highest Channel / BPSK



Middle Channel / 16QAM



Highest Channel / 16QAM

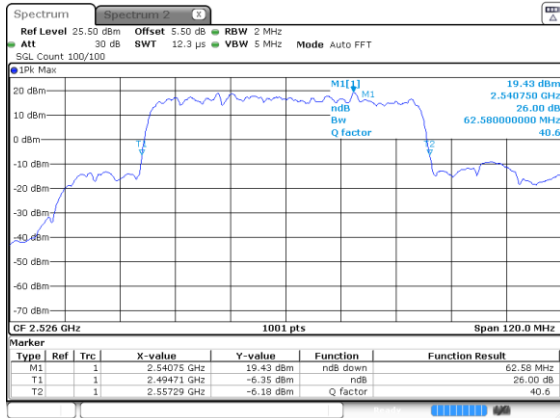




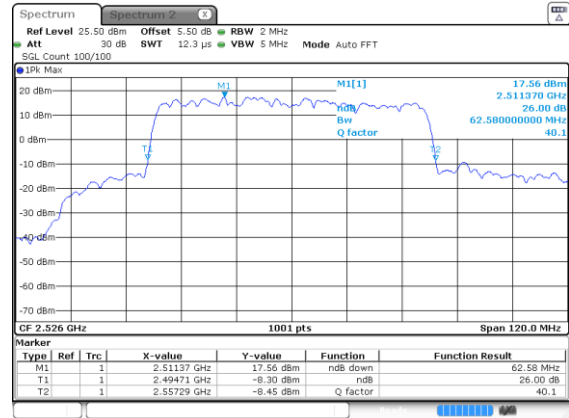
n41

60MHz

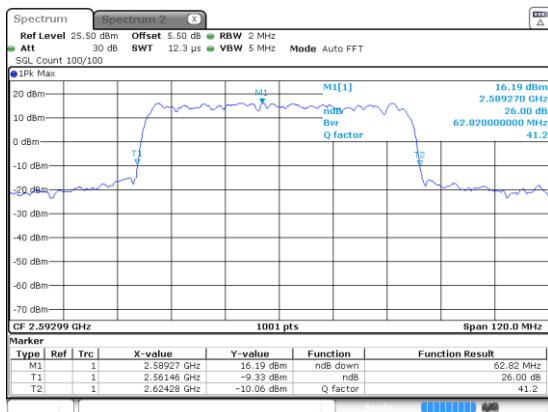
Lowest Channel / BPSK



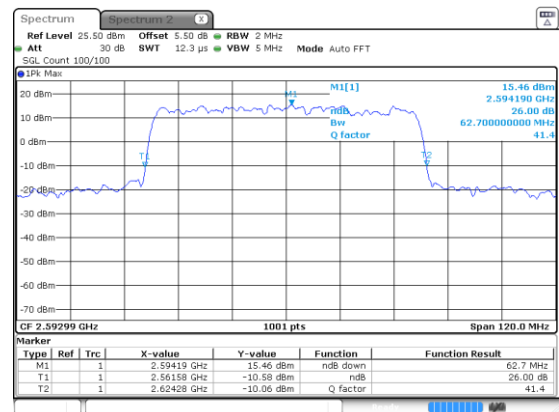
Lowest Channel / 16QAM



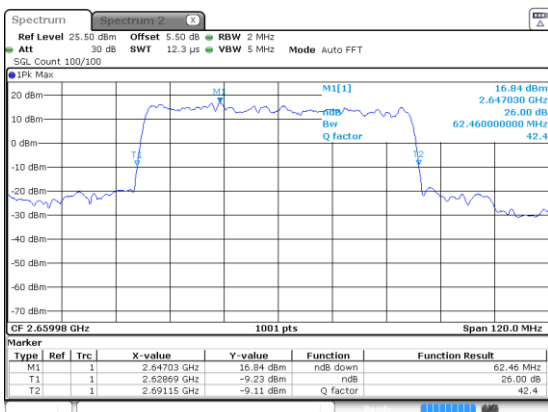
Middle Channel / BPSK



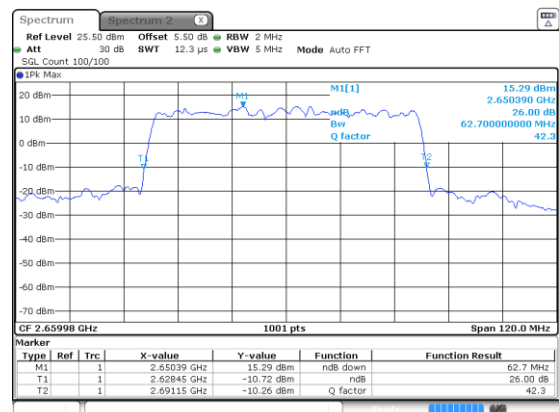
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

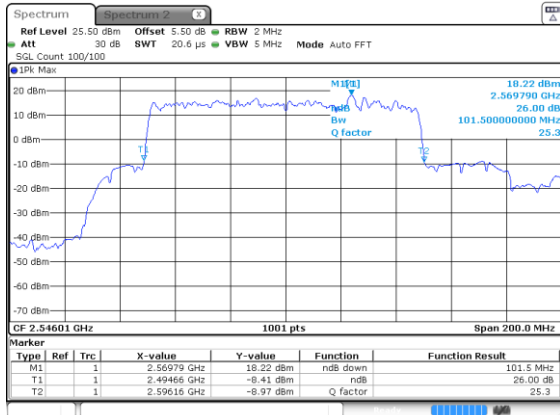




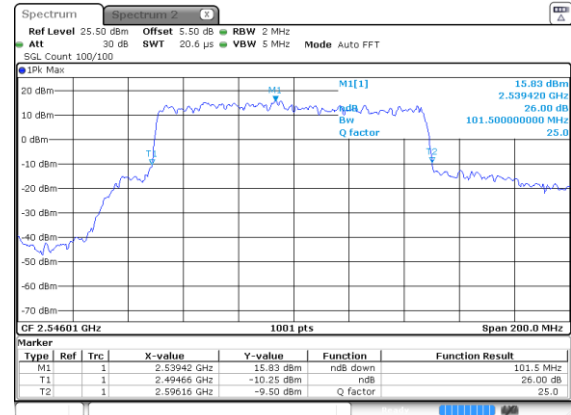
n41

100MHz

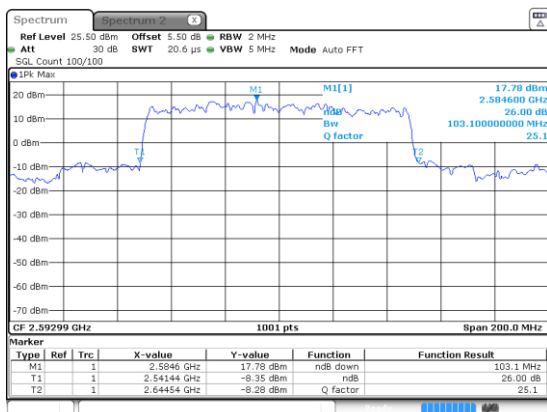
Lowest Channel / BPSK



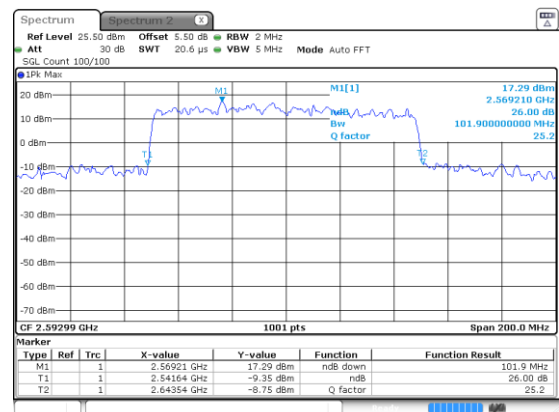
Lowest Channel / 16QAM



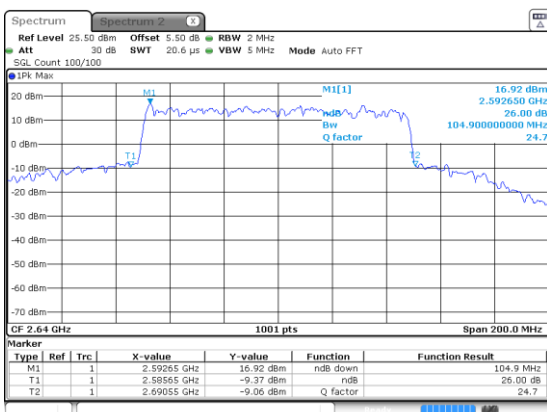
Middle Channel / BPSK



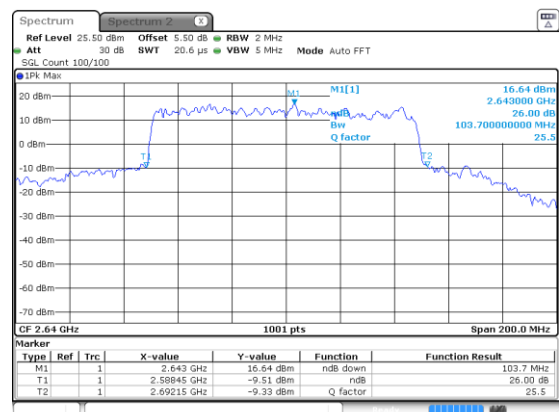
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM





A4.3. Occupied Bandwidth

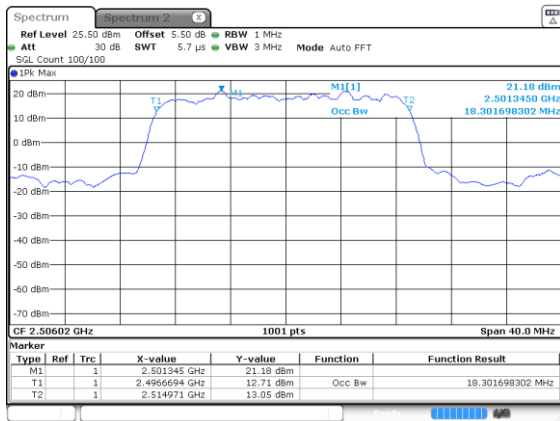
Mode	n41 : OB BW(MHz)					
BW	20MHz		60MHz		100MHz	
Mod.	BPSK	16QAM	BPSK	16QAM	BPSK	16QAM
Lowest CH	18.30	18.30	58.14	58.38	96.70	96.50
Middle CH	18.34	18.30	58.26	58.50	96.50	96.90
Highest CH	18.30	18.46	58.50	58.74	97.10	97.10



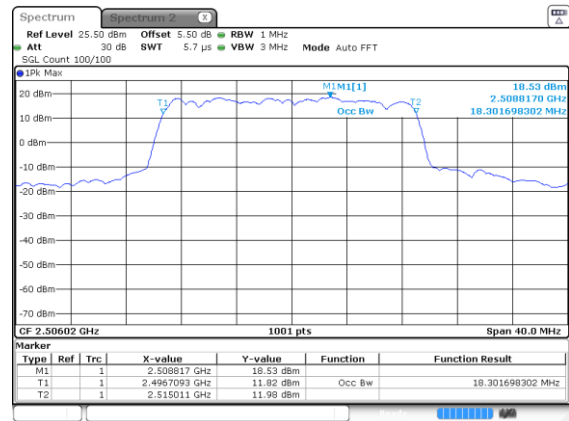
n41

20MHz

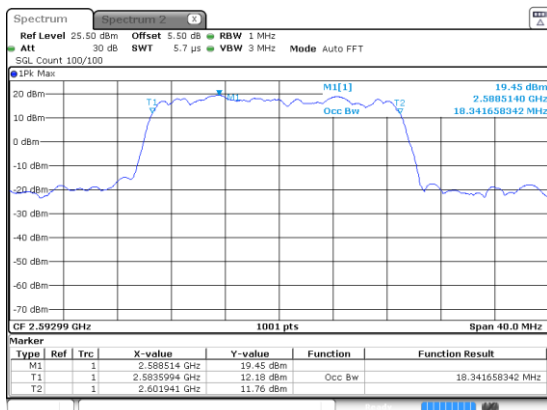
Lowest Channel / BPSK



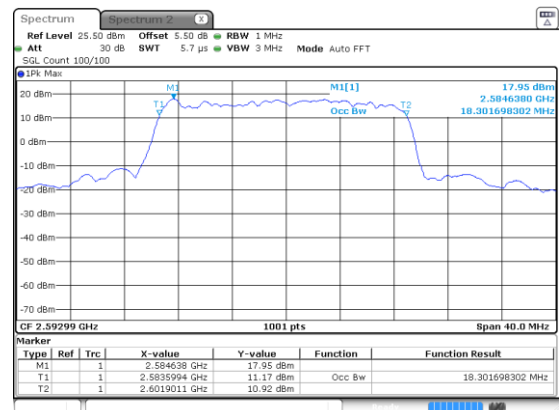
Lowest Channel / 16QAM



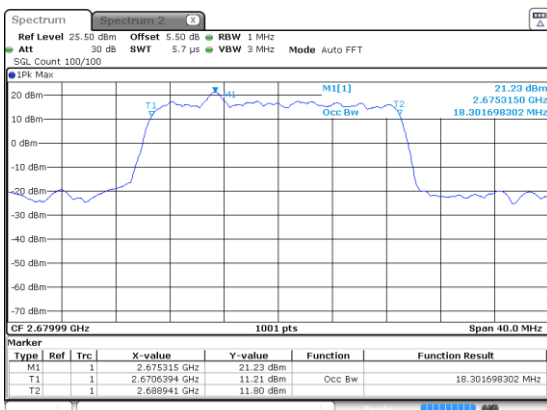
Middle Channel / BPSK



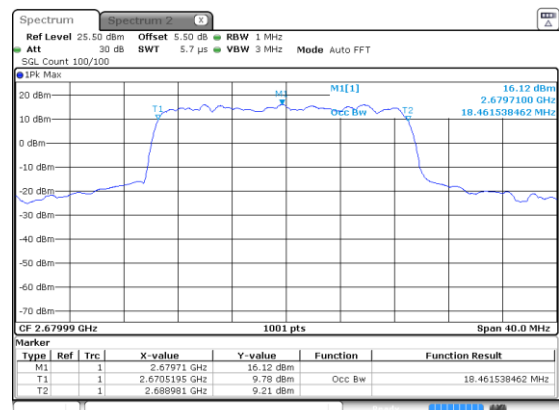
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

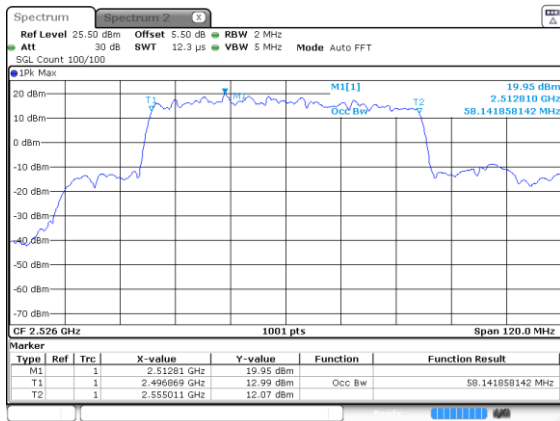




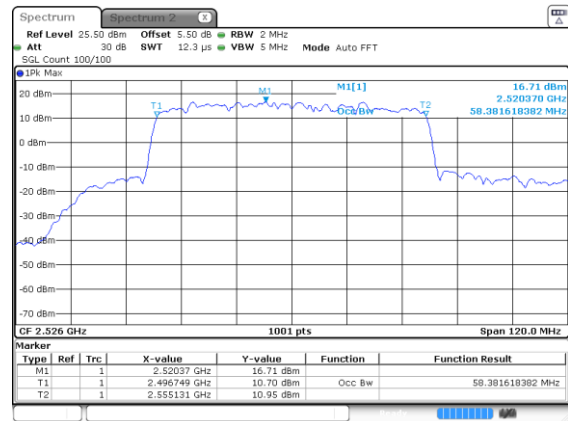
n41

60MHz

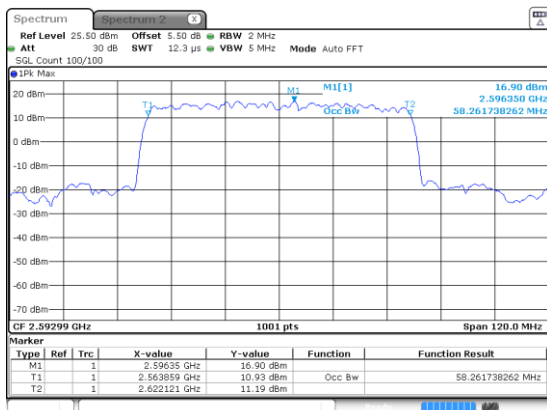
Lowest Channel / BPSK



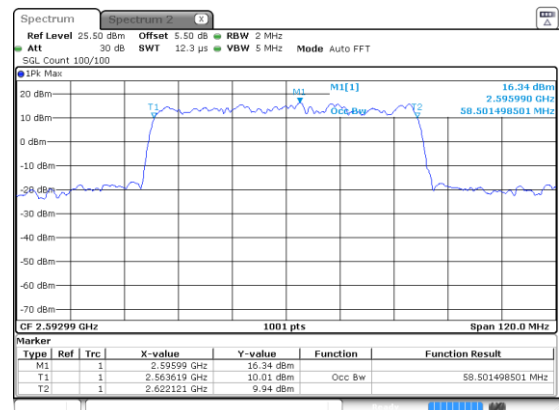
Lowest Channel / 16QAM



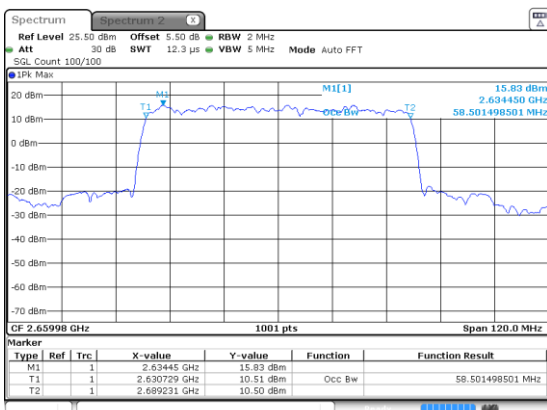
Middle Channel / BPSK



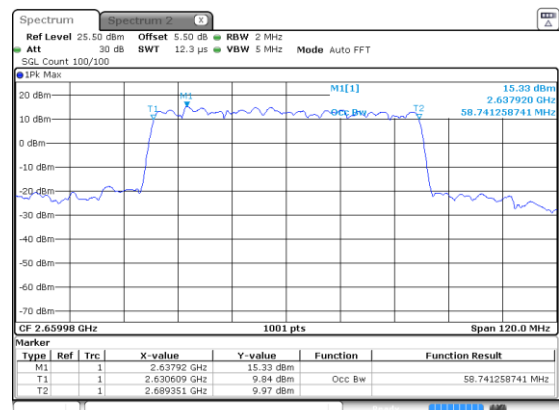
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

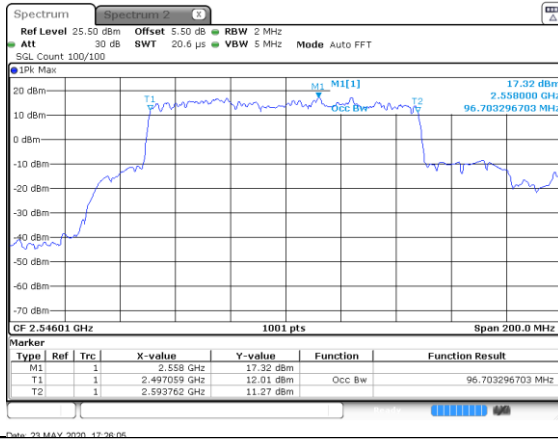




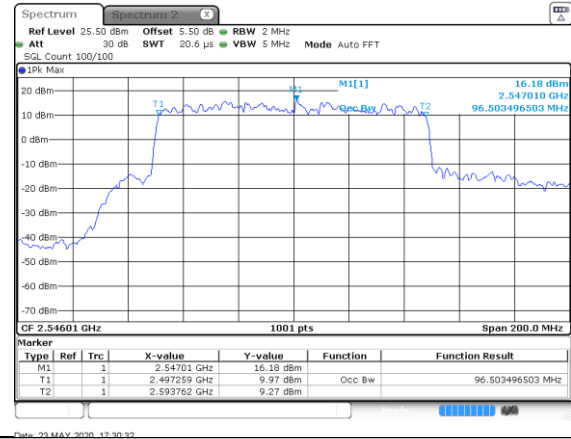
n41

100MHz

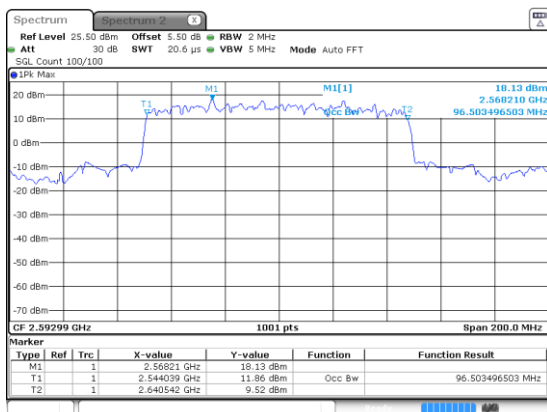
Lowest Channel / BPSK



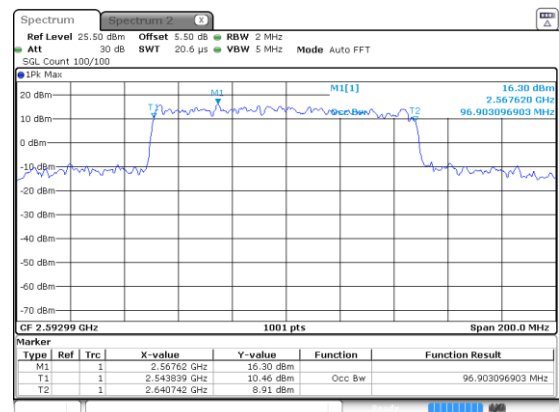
Lowest Channel / 16QAM



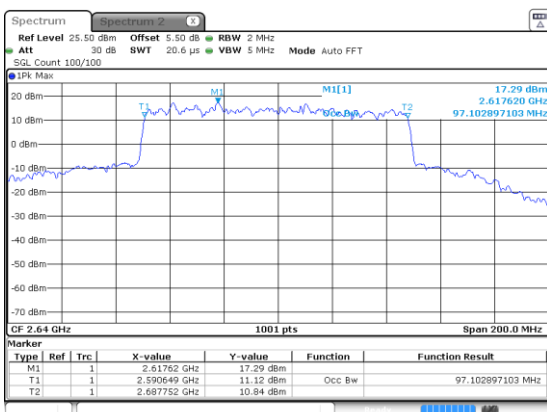
Middle Channel / BPSK



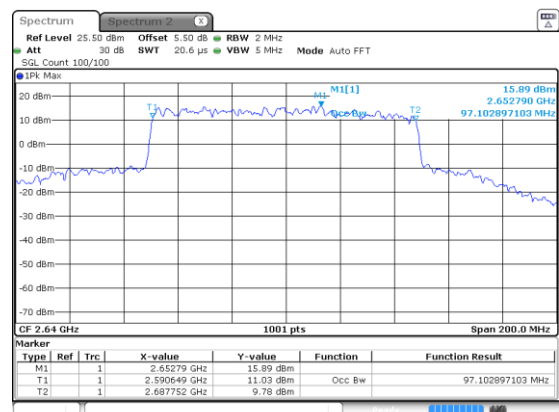
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

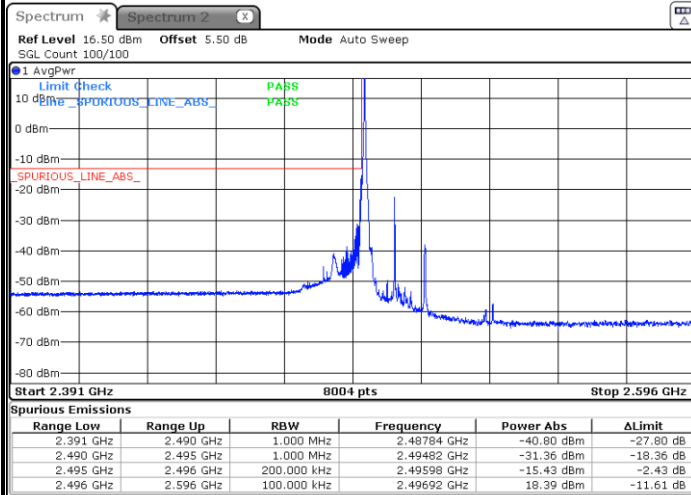




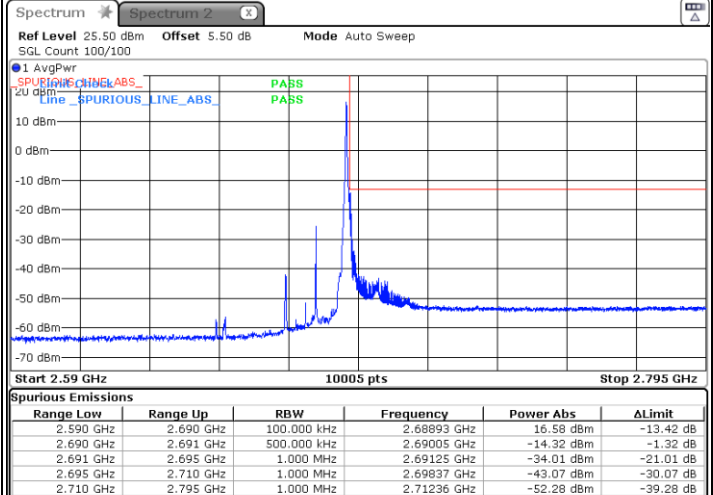
A4.4. Conducted Band Edge

n41 / 20MHz / BPSK

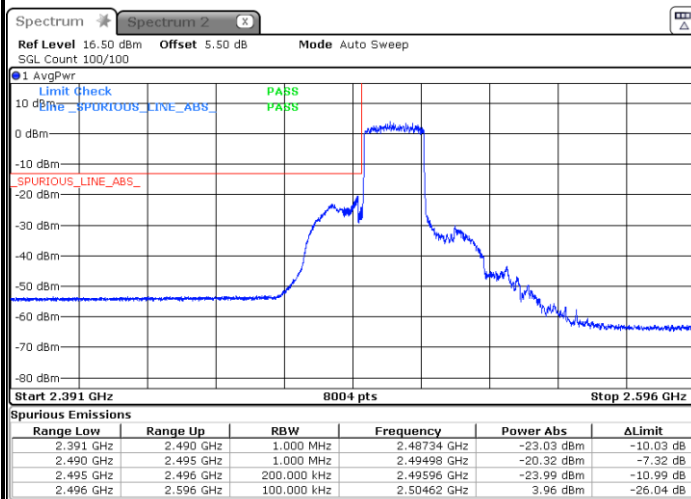
Lowest Band Edge / 1RB0



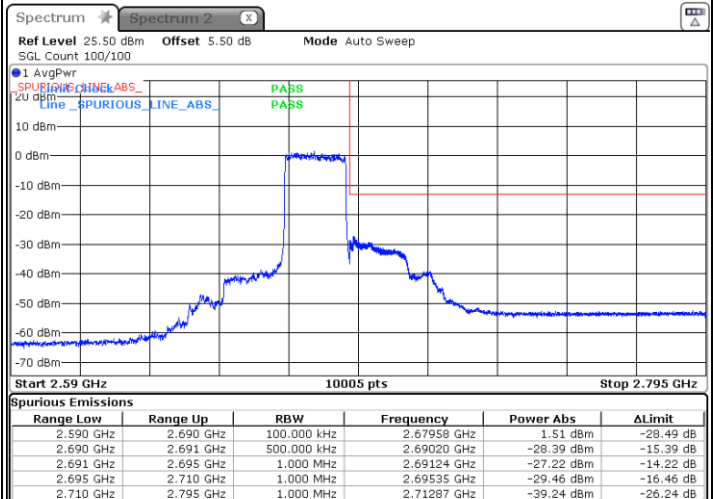
Highest Band Edge / 1RB50



Lowest Band Edge / 50RB0



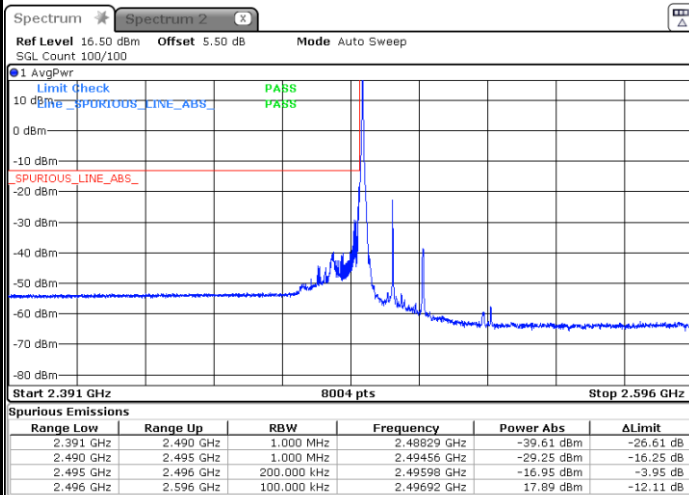
Highest Band Edge / 50RB0



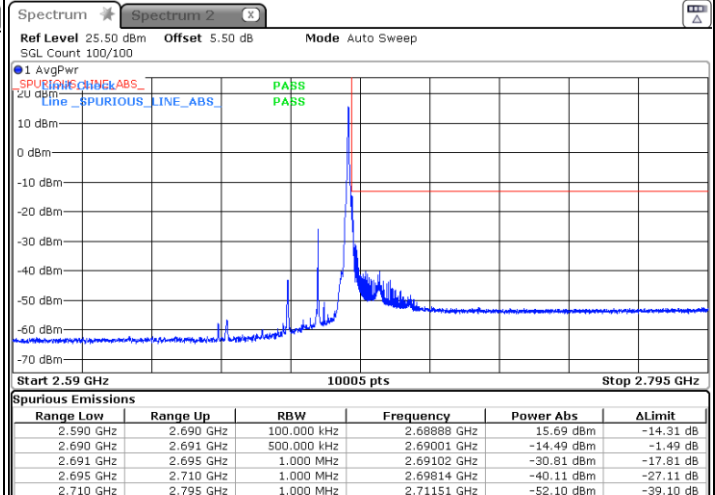


n41 / 20MHz / 16QAM

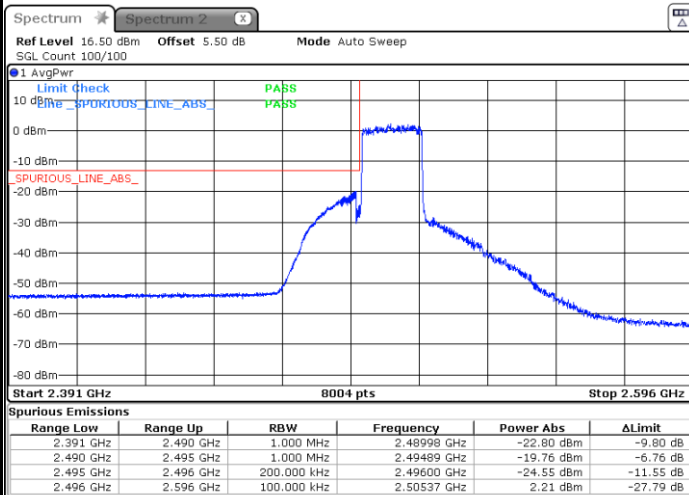
Lowest Band Edge / 1RB0



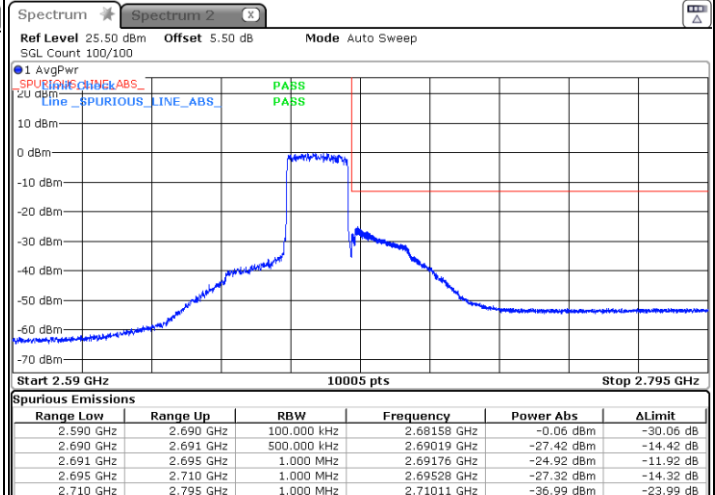
Highest Band Edge / 1RB50



Lowest Band Edge / 50RB0



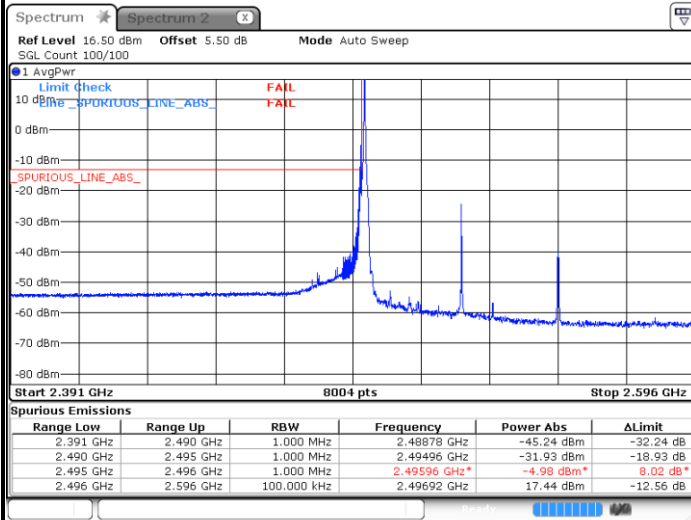
Highest Band Edge / 50RB0



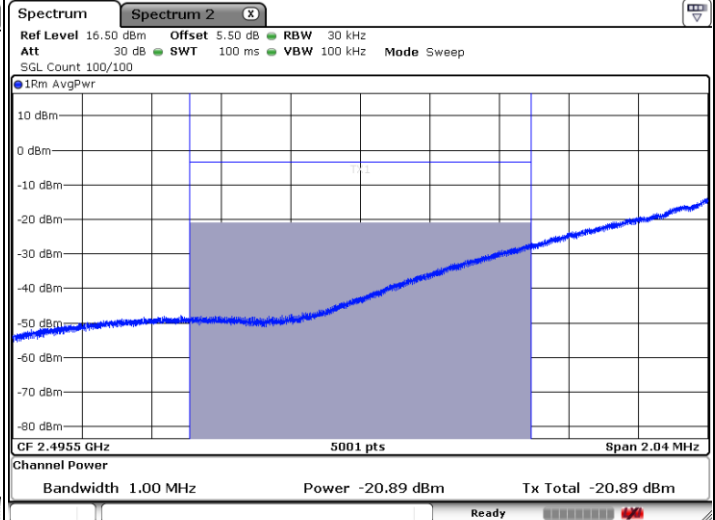


n41 / 60MHz / BPSK

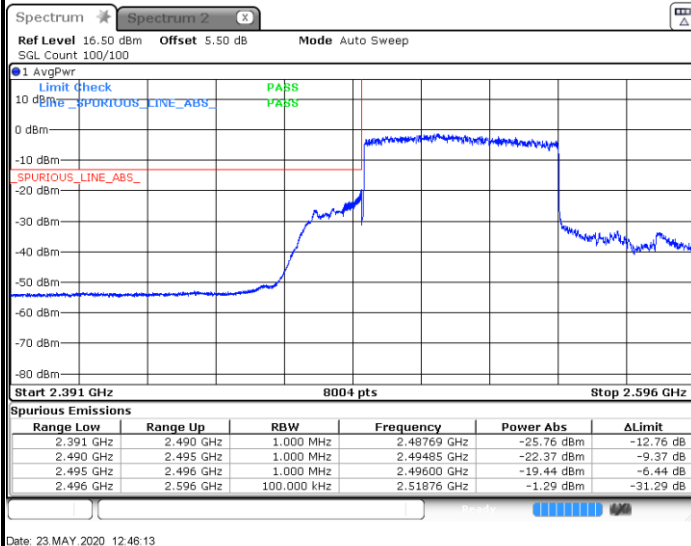
Lowest Band Edge / 1RB0



Channel Power < -13dBm Pass



Lowest Band Edge / 162RB0



Channel Power < -13dBm Pass

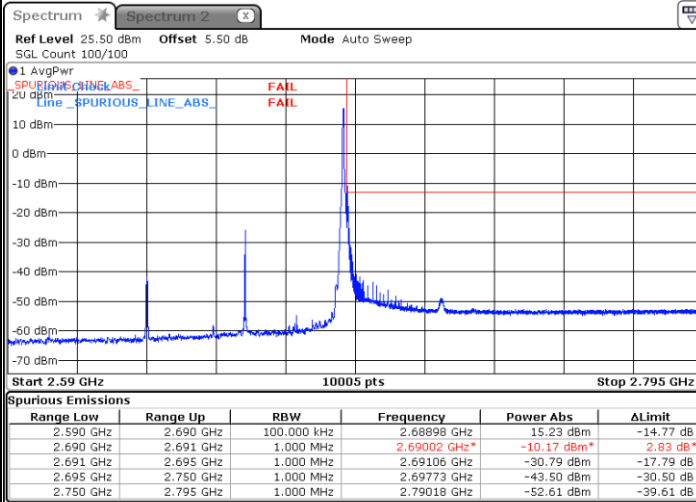
/



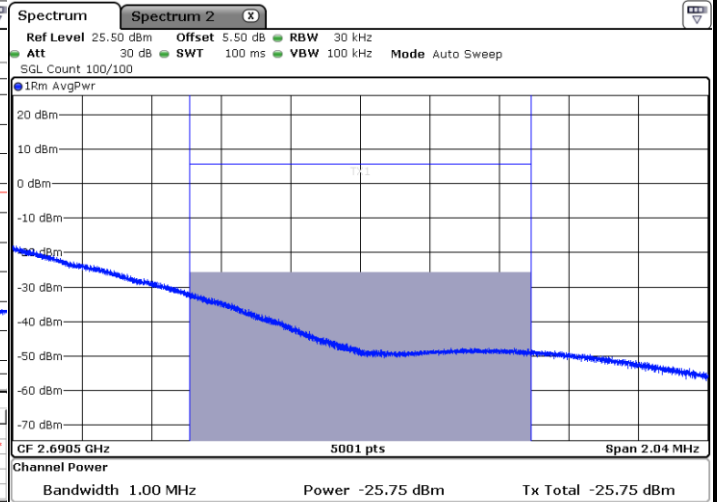
n41 / 60MHz / BPSK

Highest Band Edge / 1RB161

Channel Power < -10dBm Pass



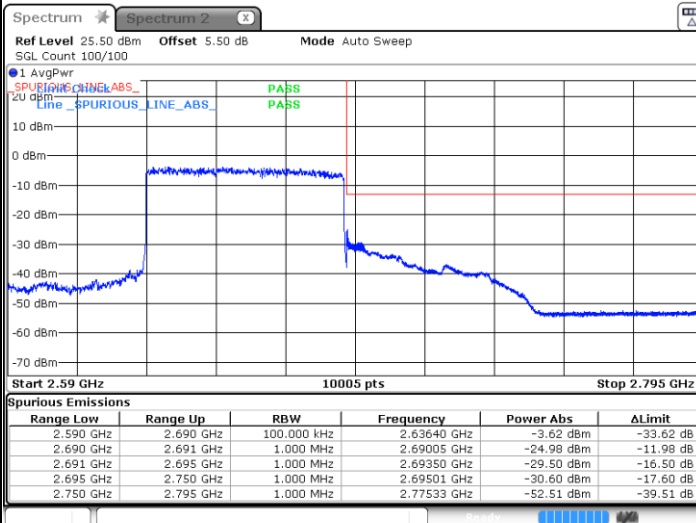
Date: 25 MAY 2020 09:53:38



Date: 25 MAY 2020 10:02:11

Highest Band Edge / 162RB0

Channel Power < -13dBm Pass



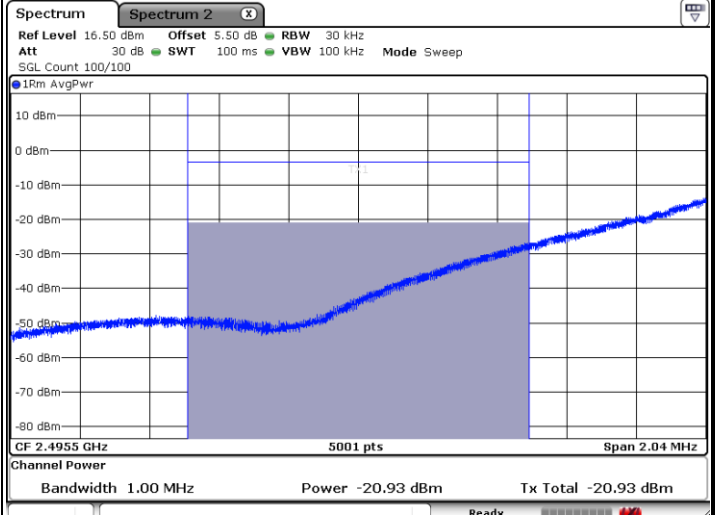
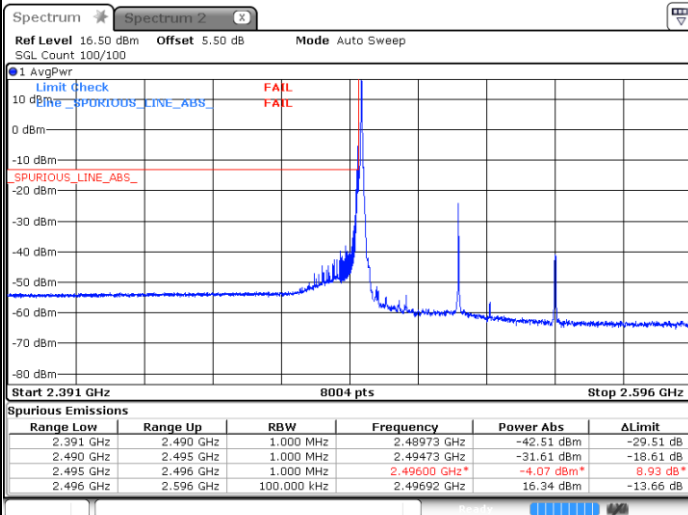
Date: 23 MAY 2020 13:41:22



n41 / 60MHz / 16QAM

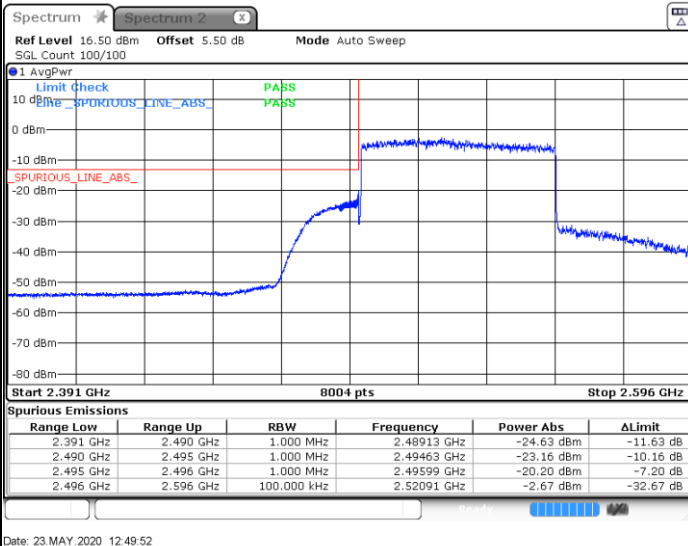
Lowest Band Edge / 1RB0

Channel Power < -13dBm Pass



Lowest Band Edge / 162RB0

Channel Power < -13dBm Pass

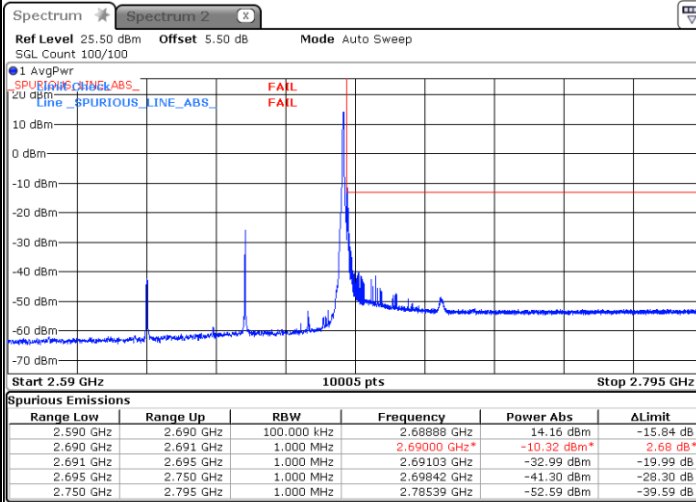




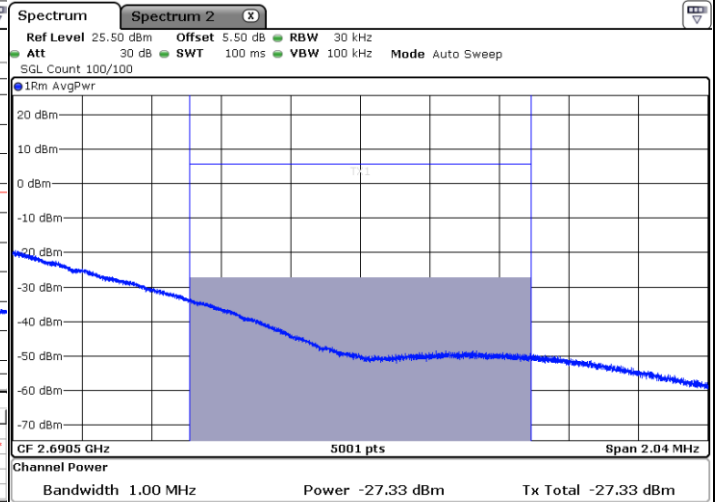
n41 / 60MHz / 16QAM

Highest Band Edge / 1RB161

Channel Power < -10dBm Pass



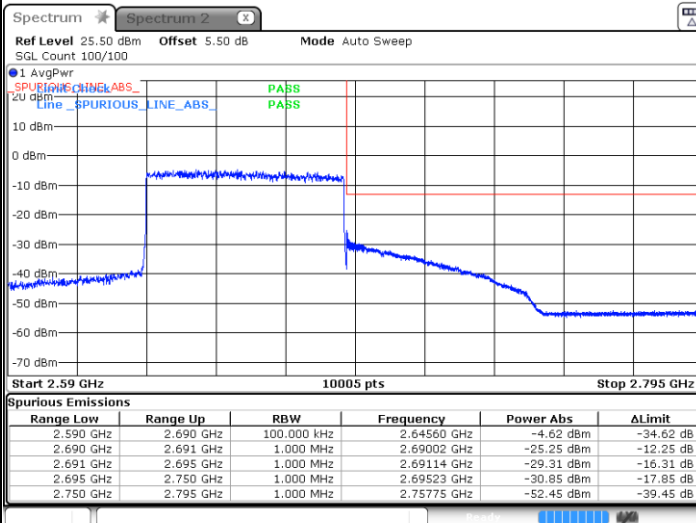
Date: 25 MAY 2020 09:56:28



Date: 25 MAY 2020 10:03:21

Highest Band Edge / 162RB0

Channel Power < -13dBm Pass

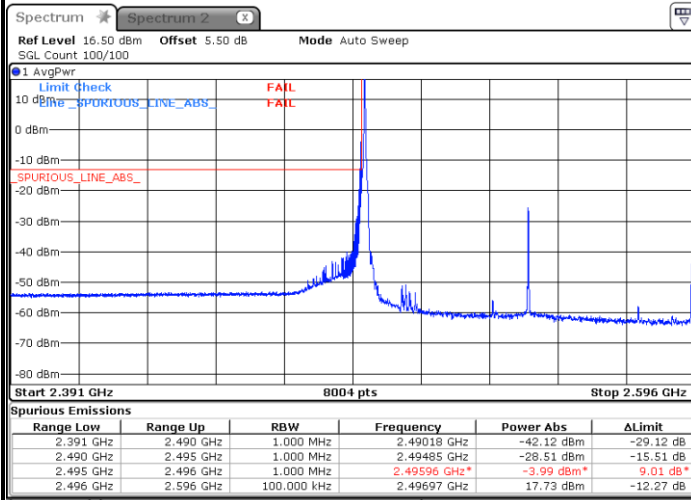


Date: 23 MAY 2020 13:45:41

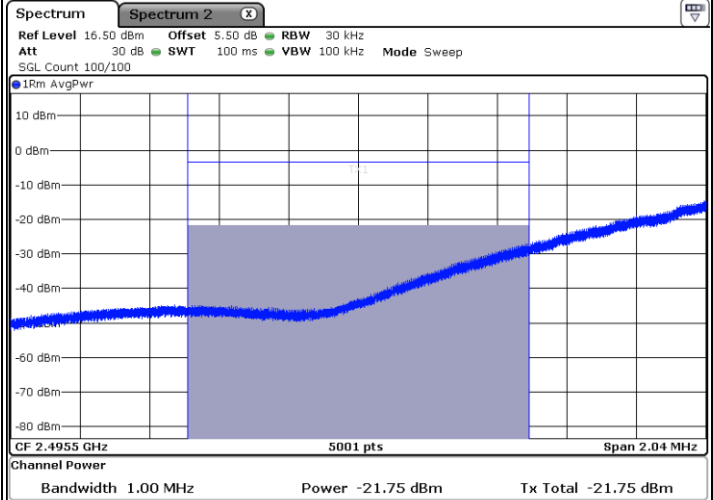


n41/ 100MHz / BPSK

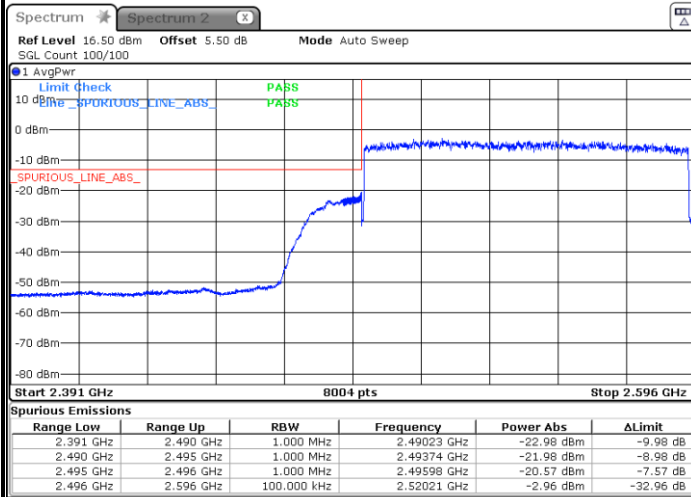
Lowest Band Edge / 1RB0



Channel Power < -13dBm Pass



Lowest Band Edge / 270RB0



Channel Power < -13dBm Pass

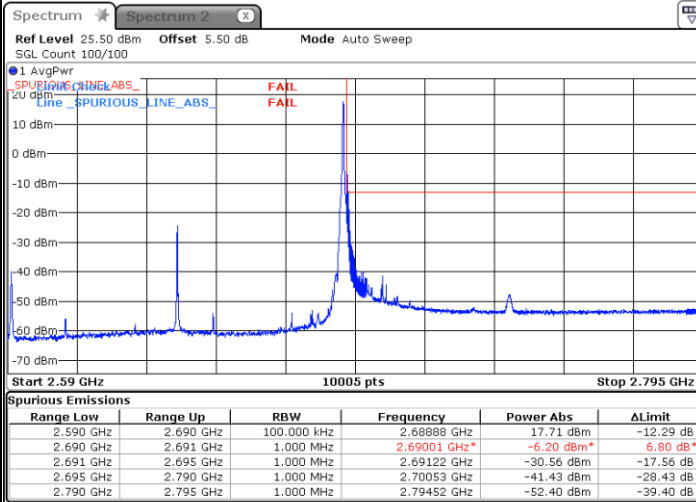
/



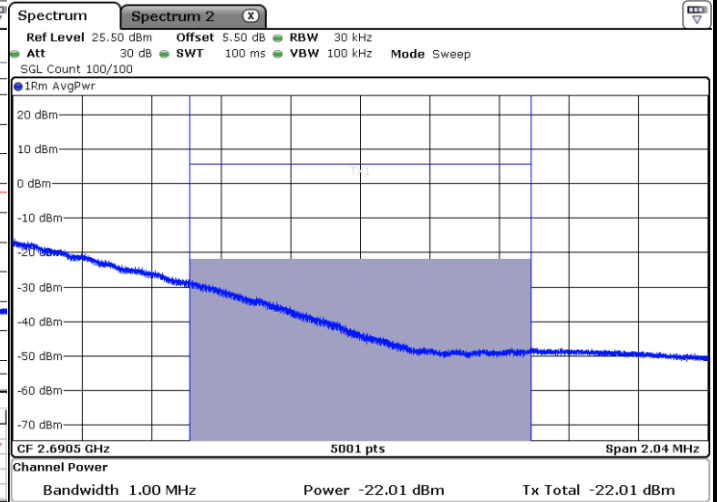
n41 / 100MHz / BPSK

Highest Band Edge / 1RB272

Channel Power < -13dBm Pass



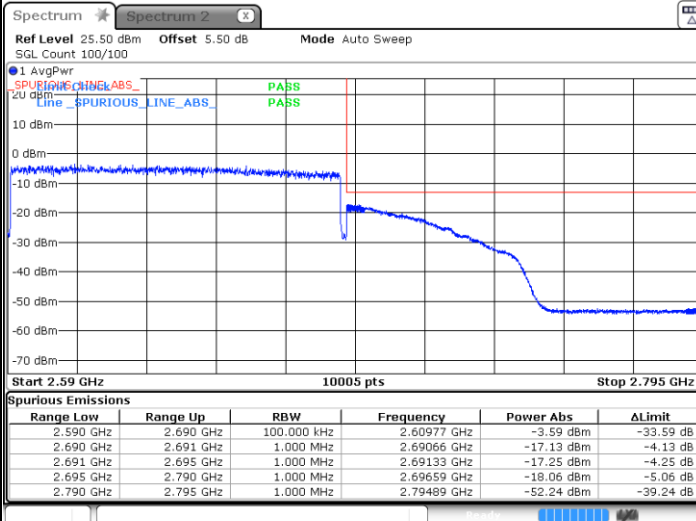
Date: 25 MAY.2020 10:56:15



Date: 25 MAY.2020 11:02:36

Highest Band Edge / 270RB0

Channel Power < -13dBm Pass

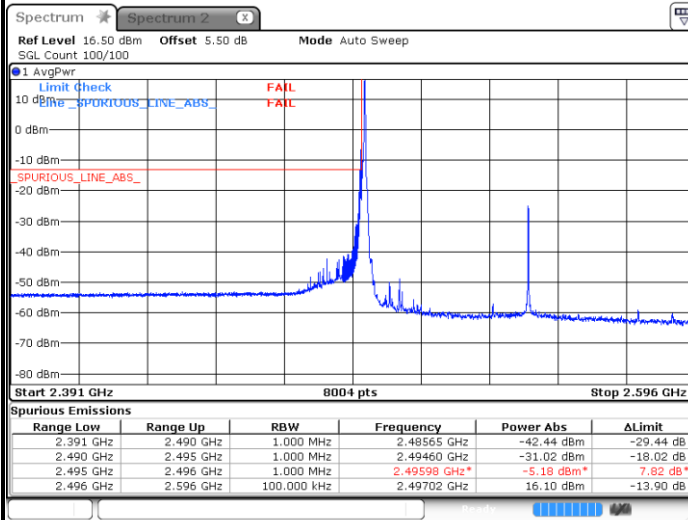


Date: 23 MAY.2020 18:19:02

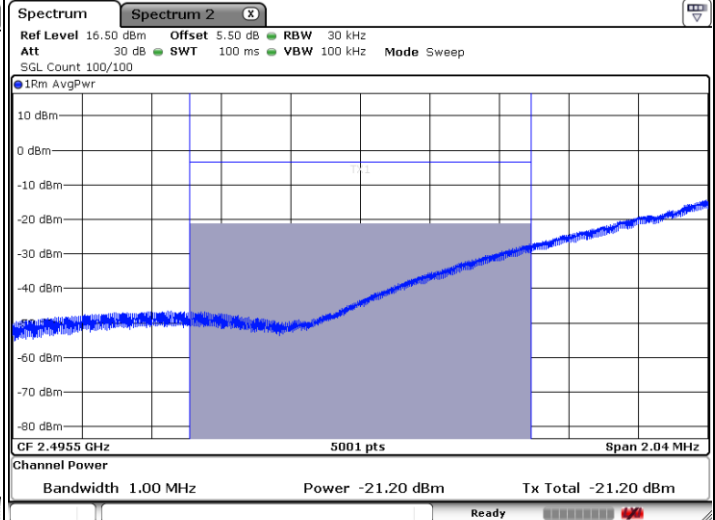


n41 / 100MHz / 16QAM

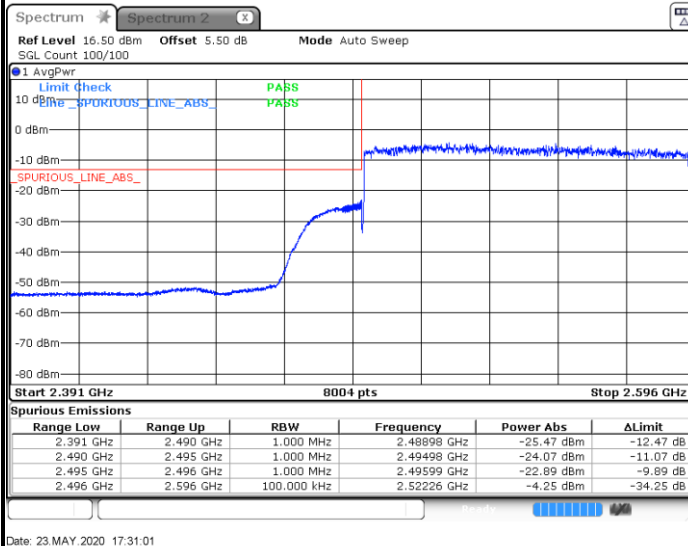
Lowest Band Edge / 1RB0



Channel Power < -13dBm Pass



Lowest Band Edge / 270RB0



Channel Power < -13dBm Pass

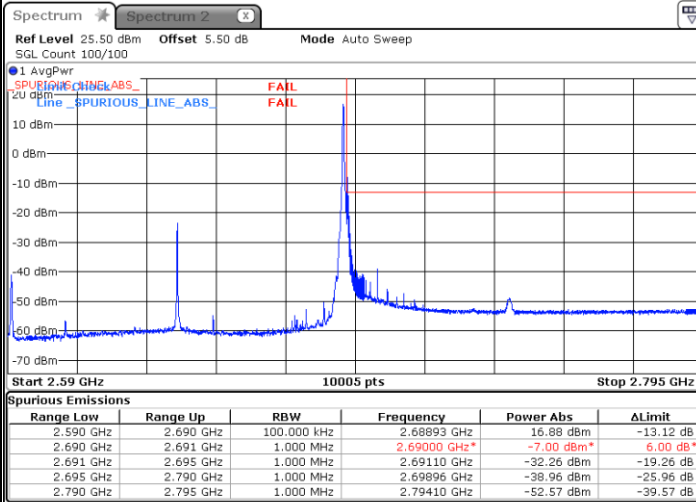
/



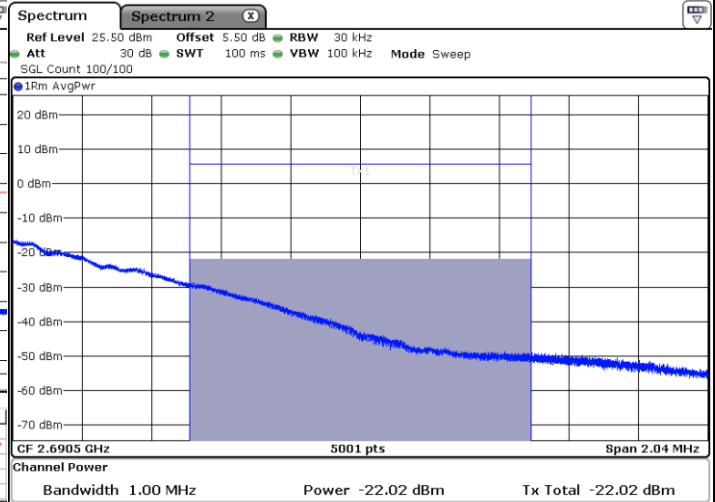
n41 / 100MHz / 16QAM

Highest Band Edge / 1RB272

Channel Power < -13dBm Pass



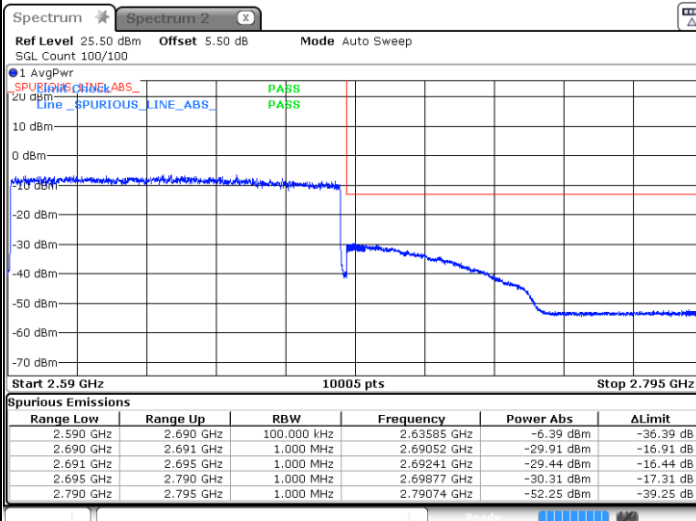
Date: 25 MAY.2020 10:58:49



Date: 25 MAY.2020 11:03:51

Highest Band Edge / 270RB0

Channel Power < -13dBm Pass



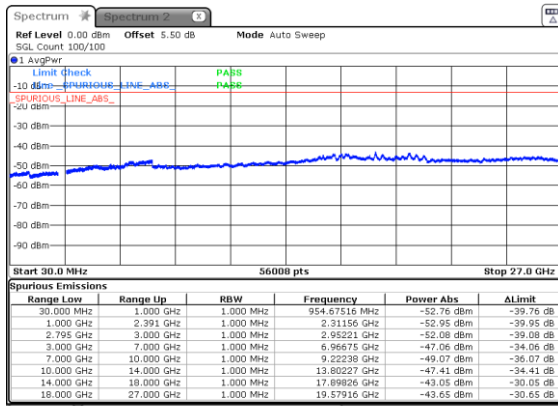
Date: 23 MAY.2020 18:20:06



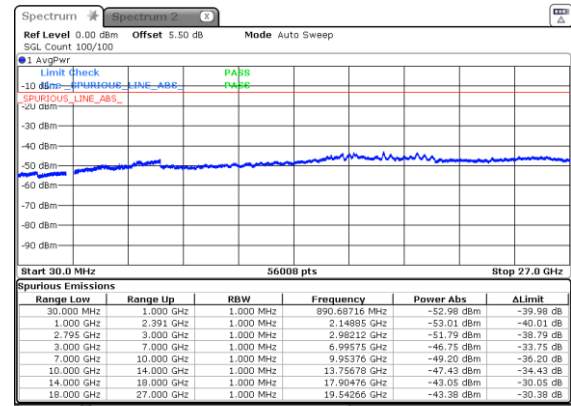
A4.5. Conducted Spurious Emission

n41 / 20MHz

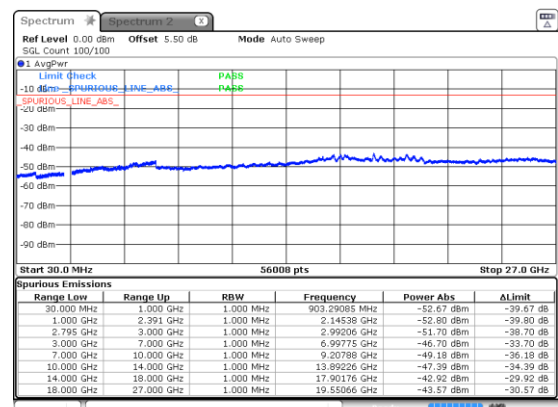
Lowest Channel / BPSK



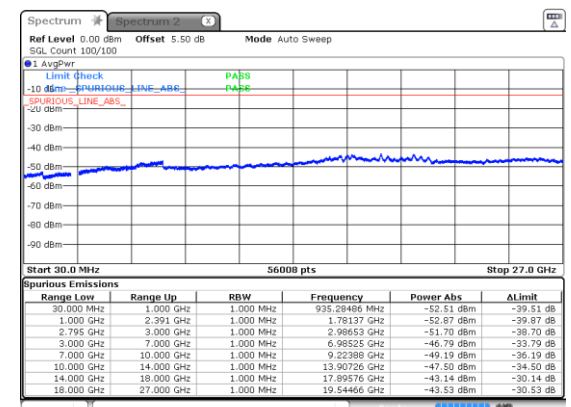
Lowest Channel / 16QAM



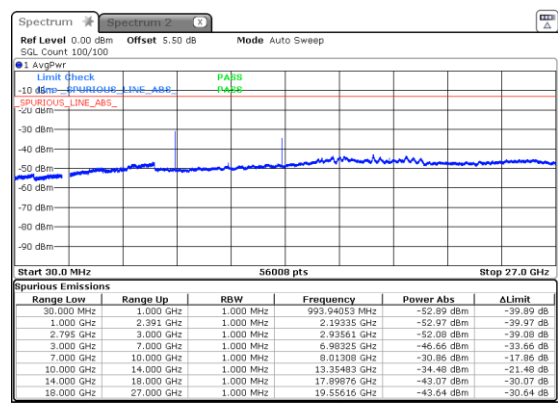
Middle Channel / BPSK



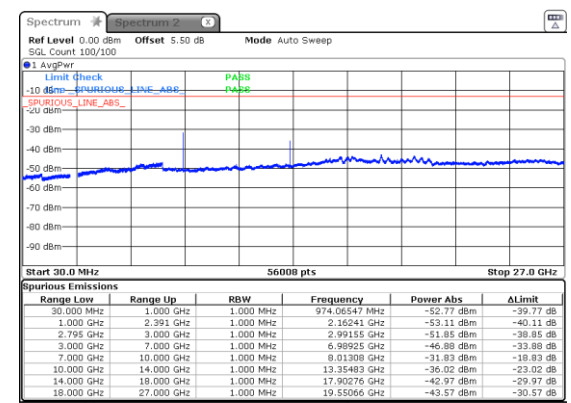
Middle Channel / 16QAM



Highest Channel / BPSK



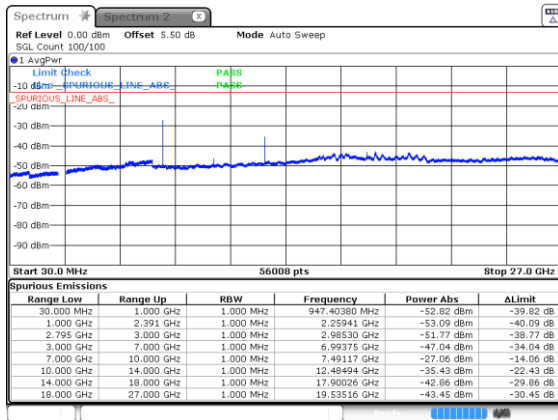
Highest Channel / 16QAM



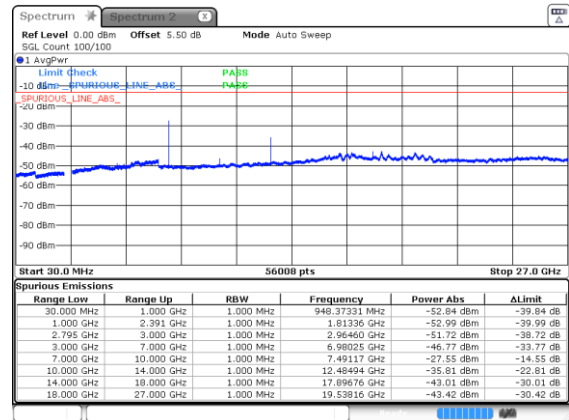


n41 / 60MHz

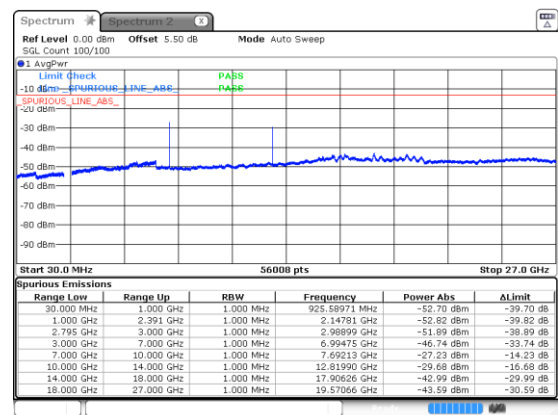
Lowest Channel / BPSK



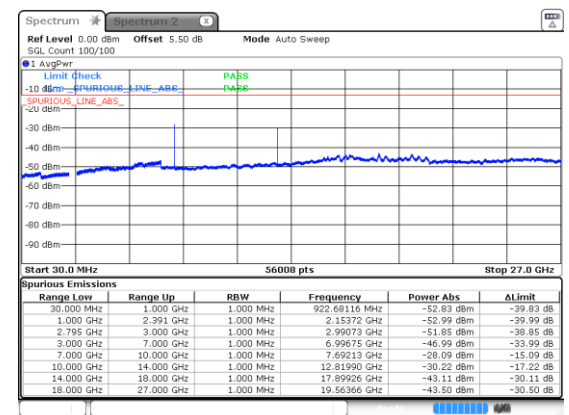
Lowest Channel / 16QAM



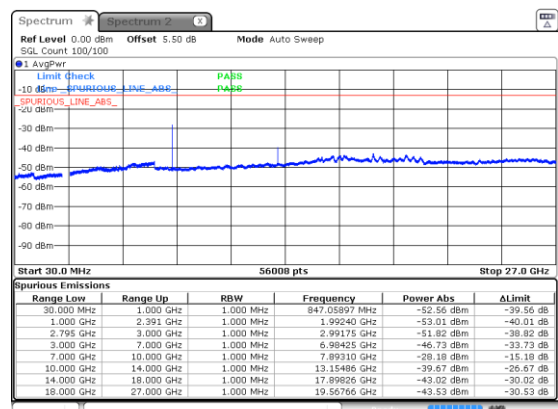
Middle Channel / BPSK



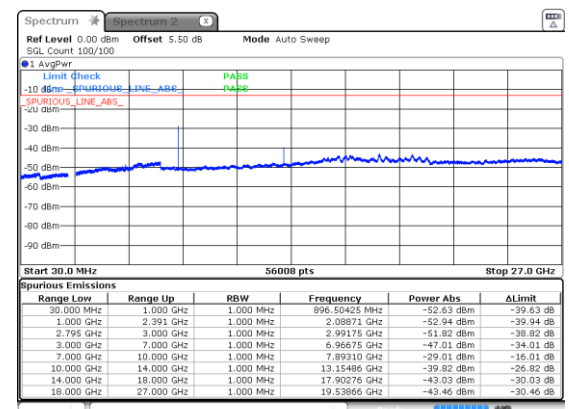
Middle Channel / 16QAM



Highest Channel / BPSK



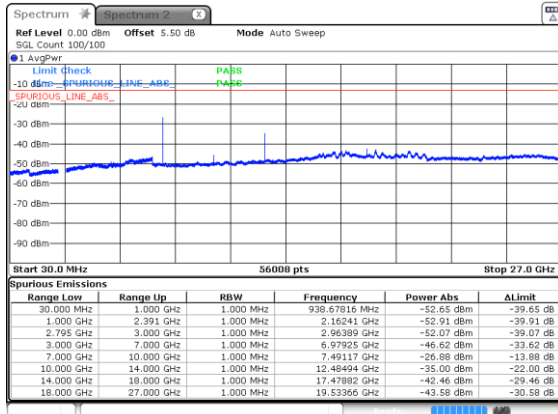
Highest Channel / 16QAM



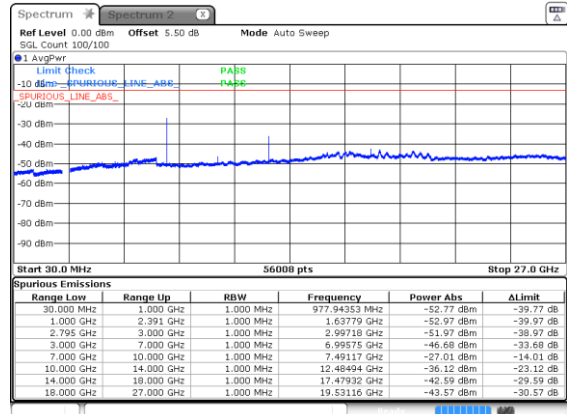


n41 / 100MHz

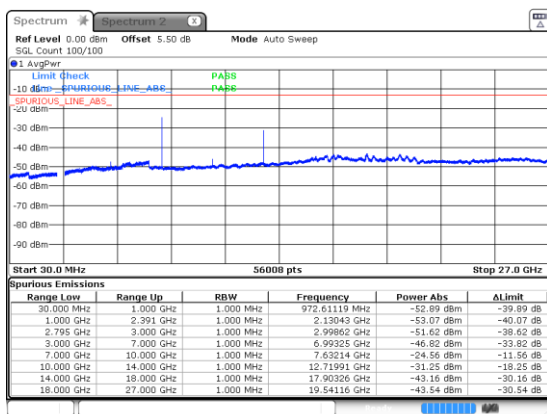
Lowest Channel / BPSK



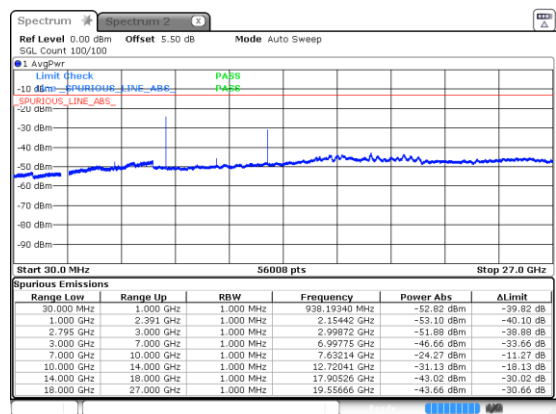
Lowest Channel / 16QAM



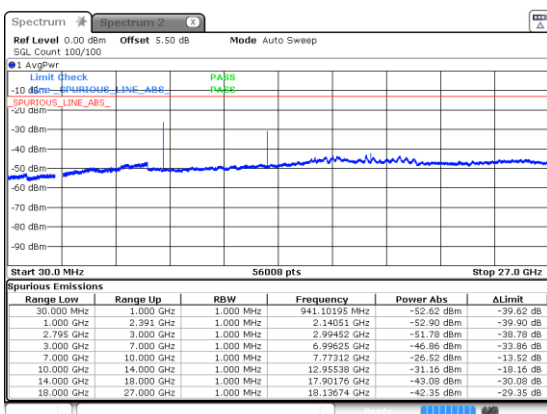
Middle Channel / BPSK



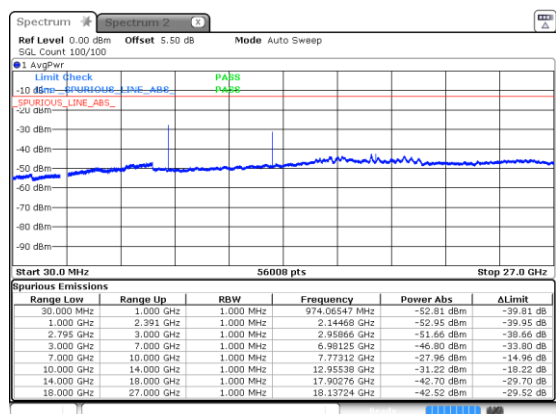
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM



A4.6. Frequency Stability

Test Conditions		n41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =110 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =120 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

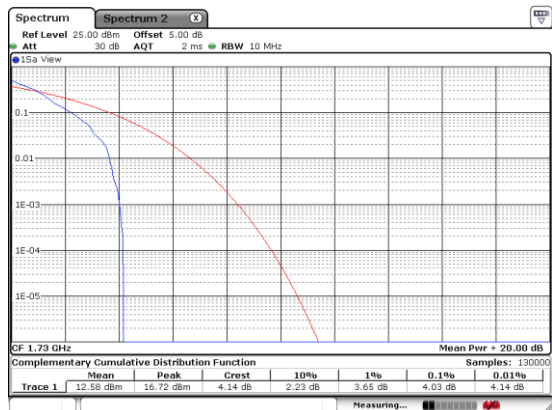
**A5. 5G NR n66****A5.1. Peak-to-Average Ratio**

Mode	n66 / 20MHz				
Mod.	BPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.03	2.70	4.81	5.65	PASS
Middle CH	4.09	2.58	4.87	5.39	
Highest CH	4.00	2.67	4.61	5.59	

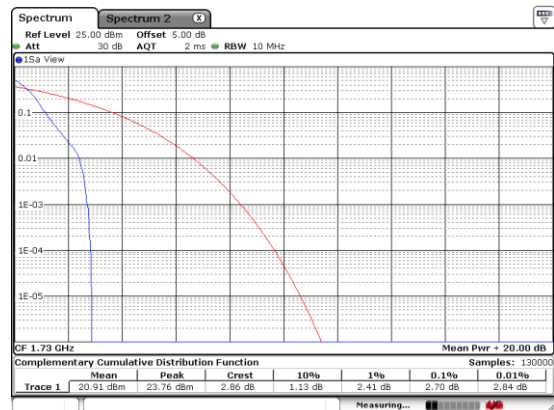


n66 / 20MHz / BPSK

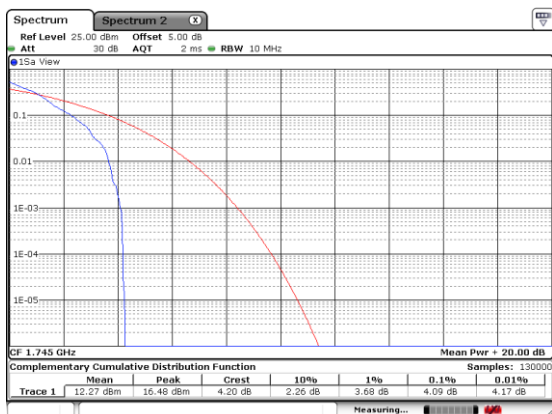
Lowest Channel / 1RB0



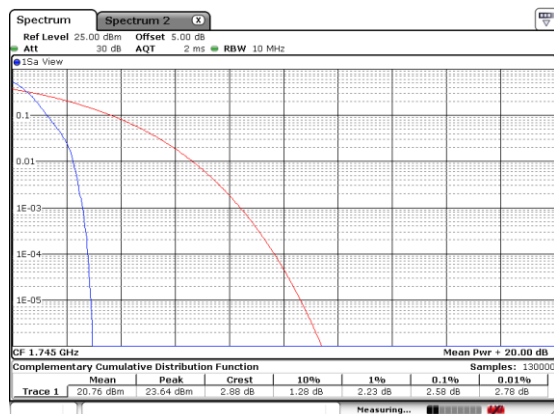
Lowest Channel / 100RB0



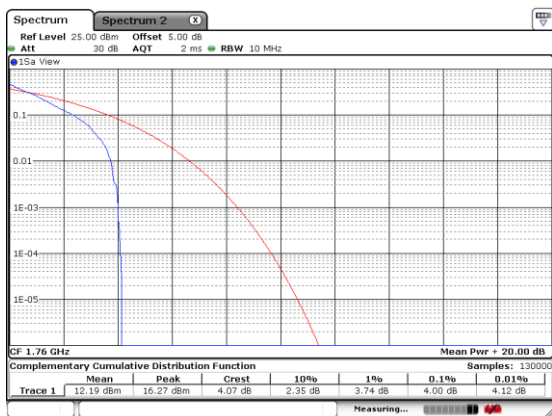
Middle Channel / 1RB0



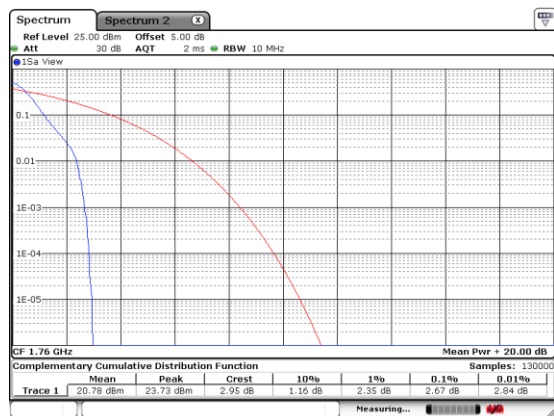
Middle Channel / 100RB0



Highest Channel / 1RB0



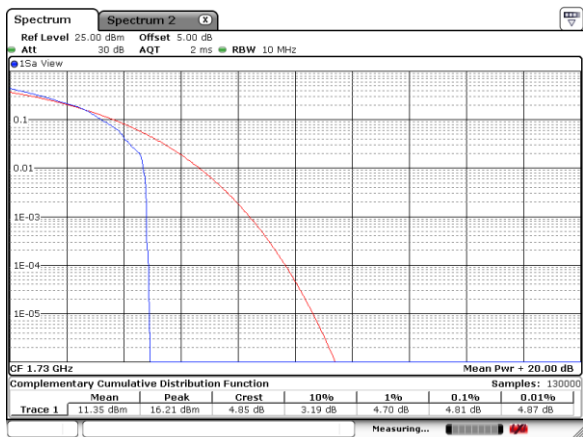
Highest Channel / 100RB0



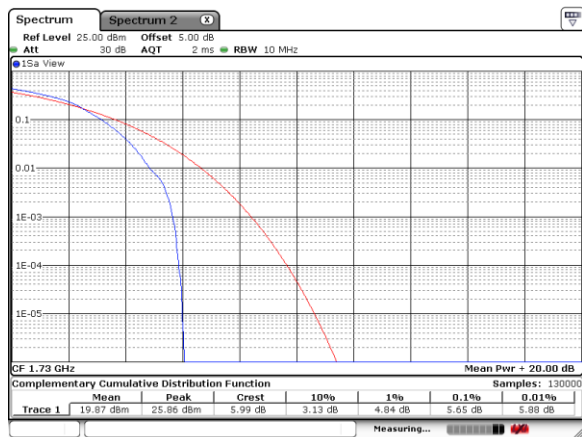


n66 / 20MHz / 16QAM

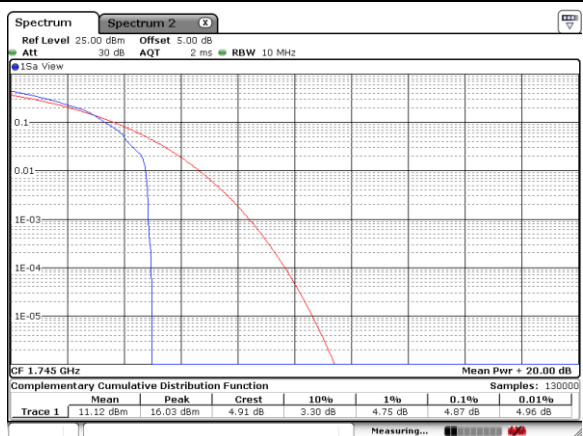
Lowest Channel / 1RB0



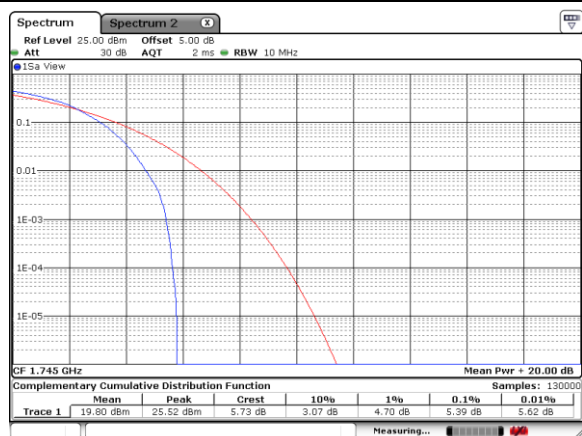
Lowest Channel / 100RB0



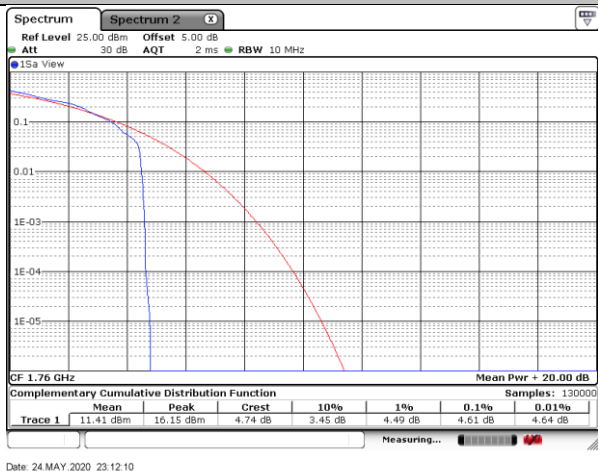
Middle Channel / 1RB0



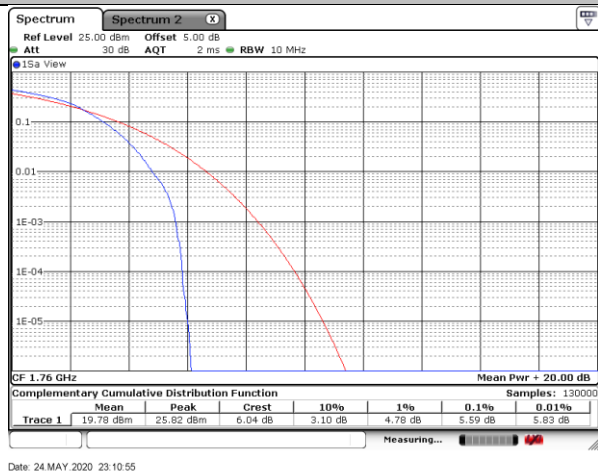
Middle Channel / 100RB0



Highest Channel / 1RB0



Highest Channel / 100RB0





A5.2. 26dB Bandwidth

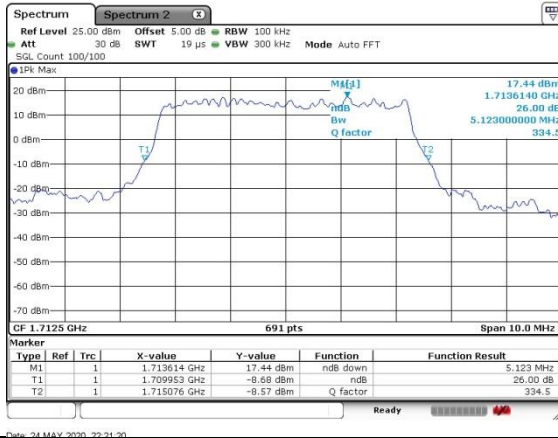
Mode	n66 : 26dB BW(MHz)					
BW	5MHz		10MHz		20MHz	
Mod.	BPSK	16QAM	BPSK	16QAM	BPSK	16QAM
Lowest CH	5.123	5.065	9.75	9.99	20.15	20.26
Middle CH	5.152	4.906	9.87	9.73	20.20	20.26
Highest CH	5.123	4.949	9.79	9.73	20.15	20.38



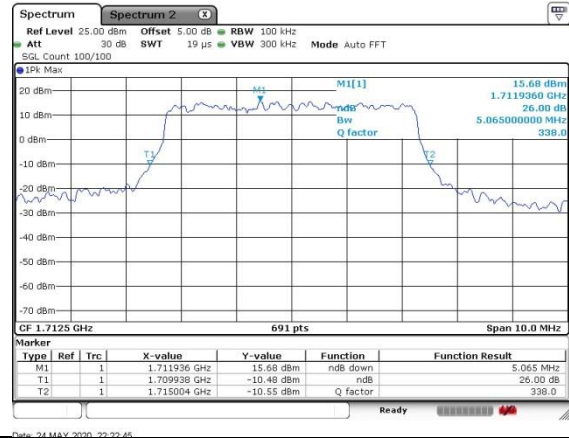
n66

5MHz

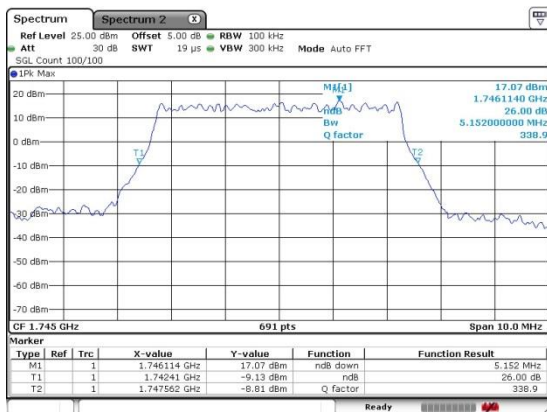
Lowest Channel / BPSK



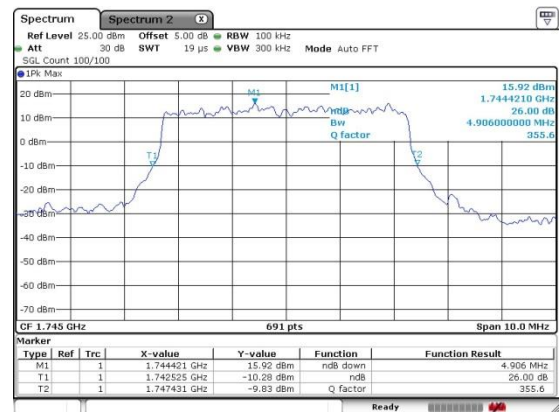
Lowest Channel / 16QAM



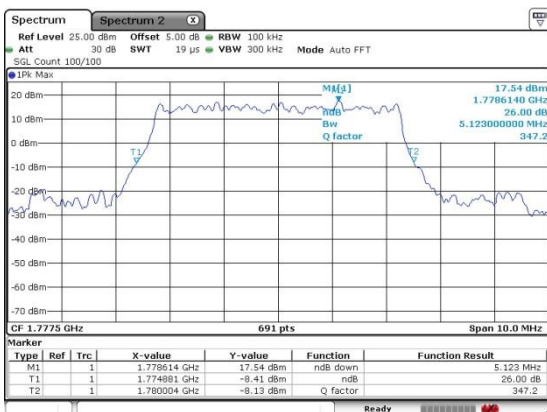
Middle Channel / BPSK



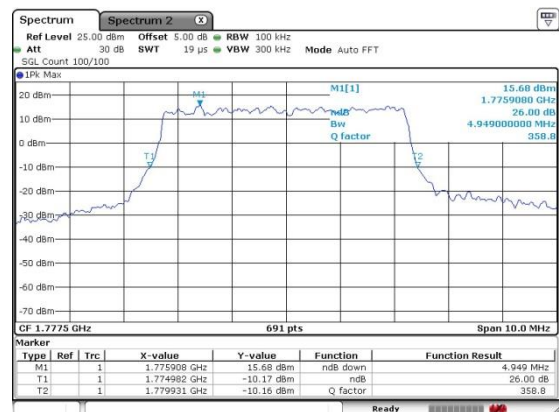
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

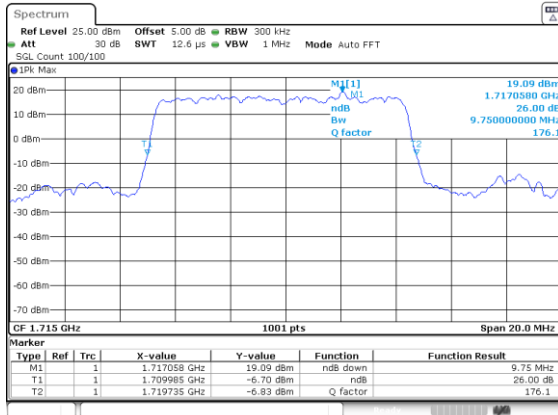




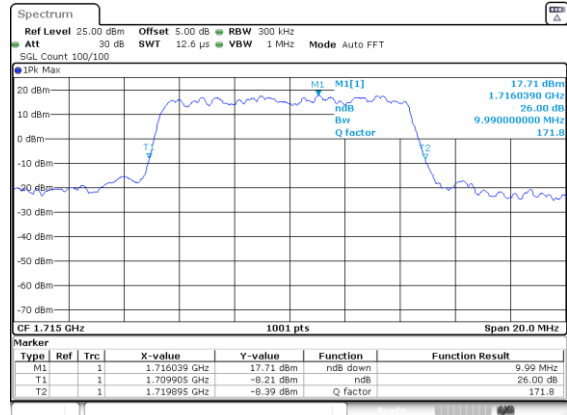
n66

10MHz

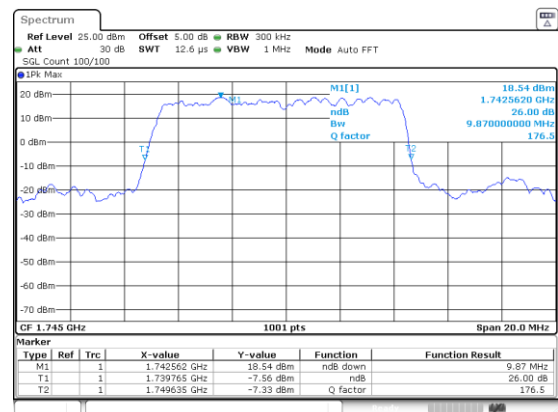
Lowest Channel / BPSK



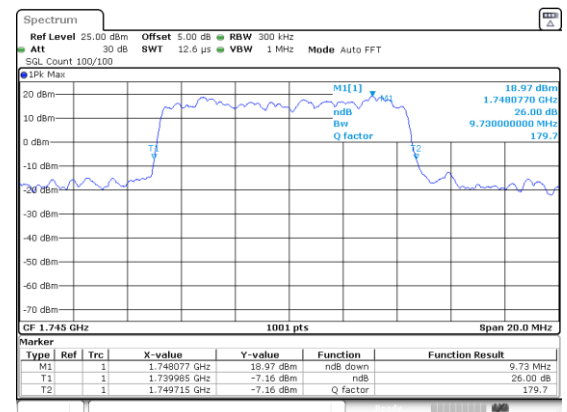
Lowest Channel / 16QAM



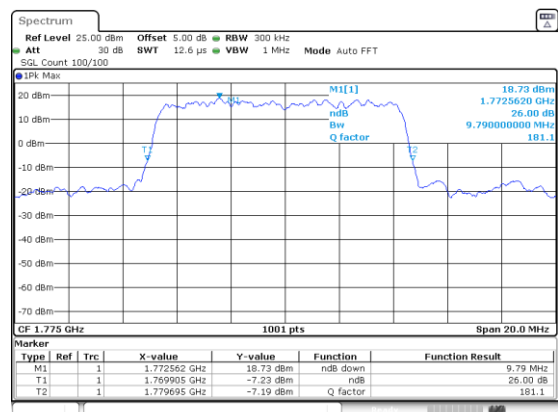
Middle Channel / BPSK



Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

