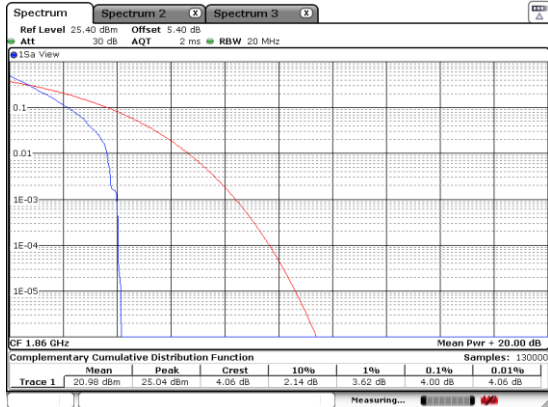
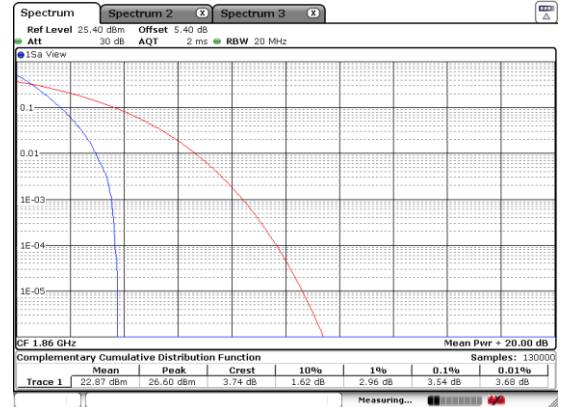
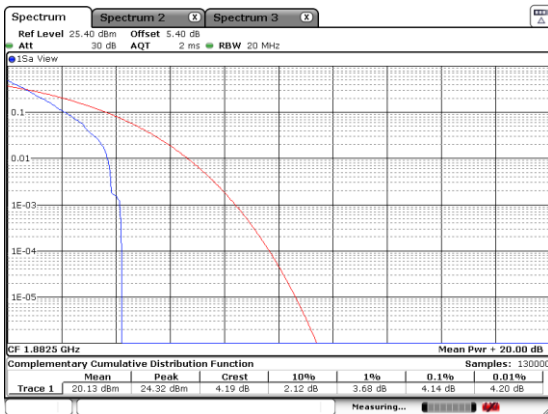
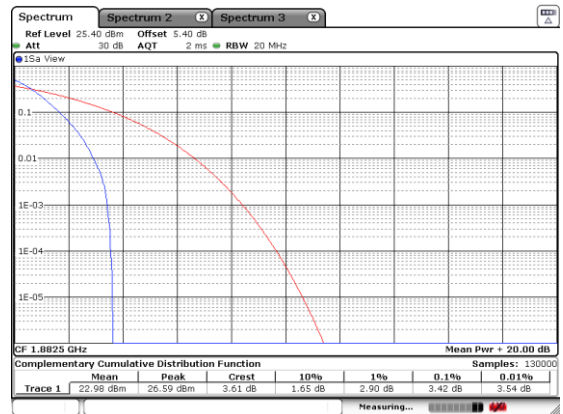
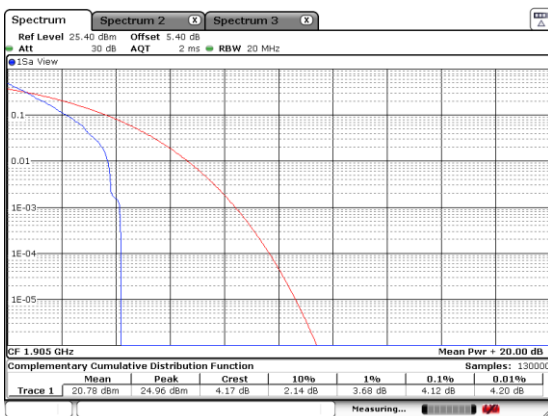
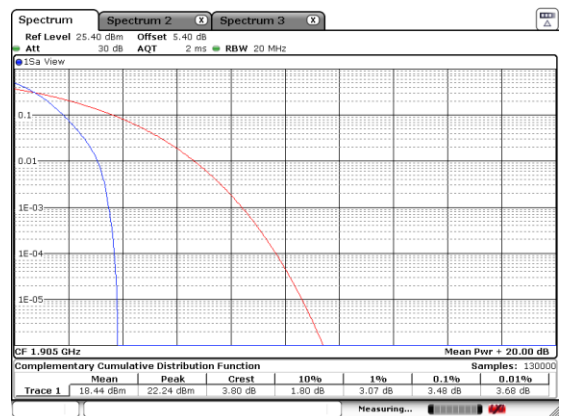
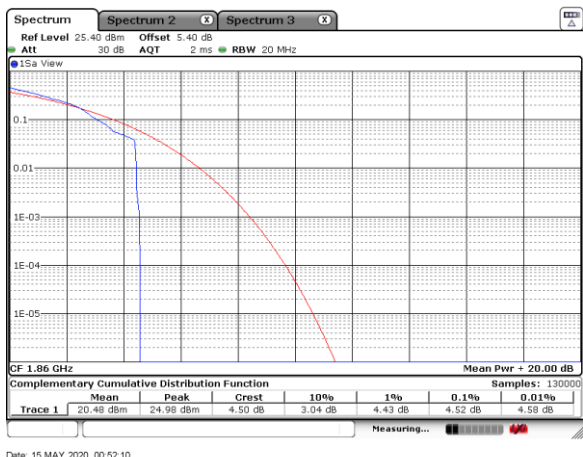


20MHz / BPSK
Lowest Channel / 1RB0

Lowest Channel / 100RB0

Middle Channel / 1RB0

Middle Channel / 100RB0

Highest Channel / 1RB0

Highest Channel / 100RB0


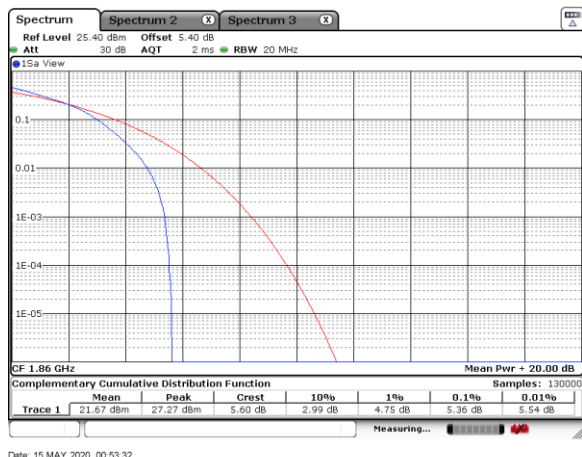


20MHz / 16QAM

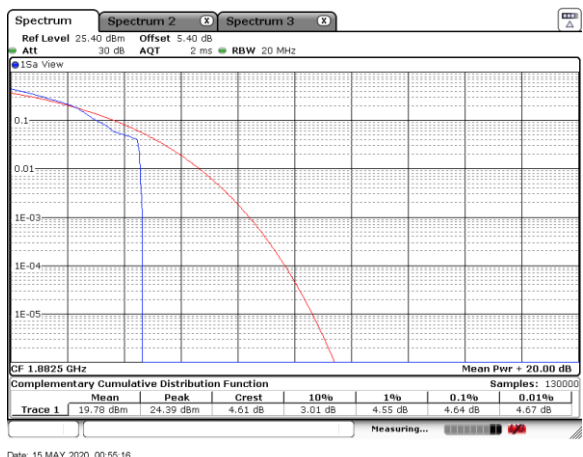
Lowest Channel / 1RB0



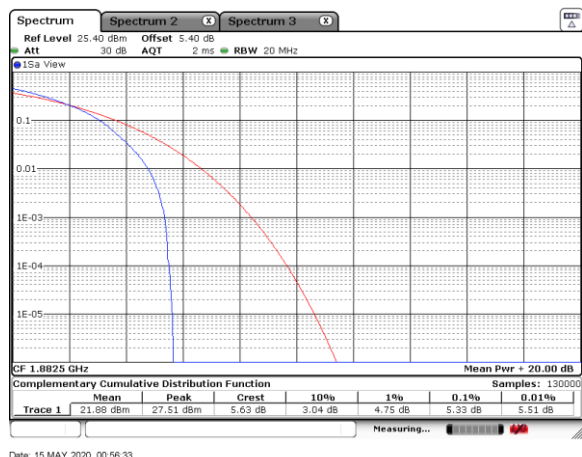
Lowest Channel / 100RB0



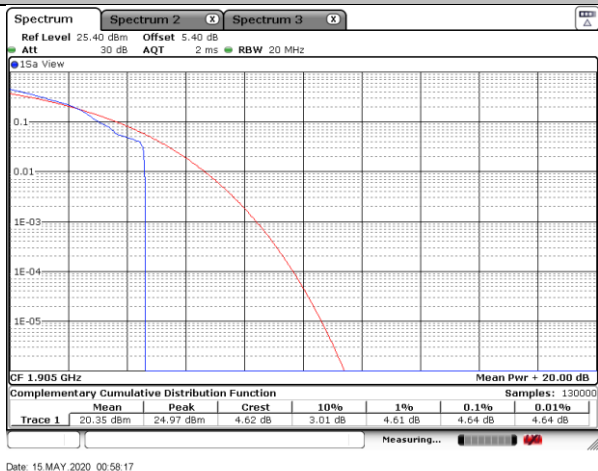
Middle Channel / 1RB0



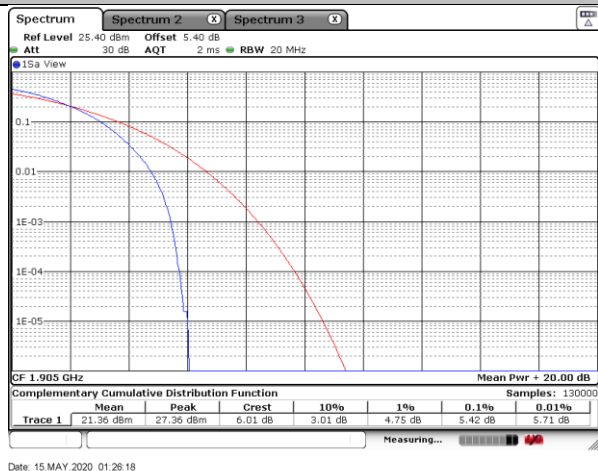
Middle Channel / 100RB0



Highest Channel / 1RB0



Highest Channel / 100RB0





A3.2. 26dB Bandwidth

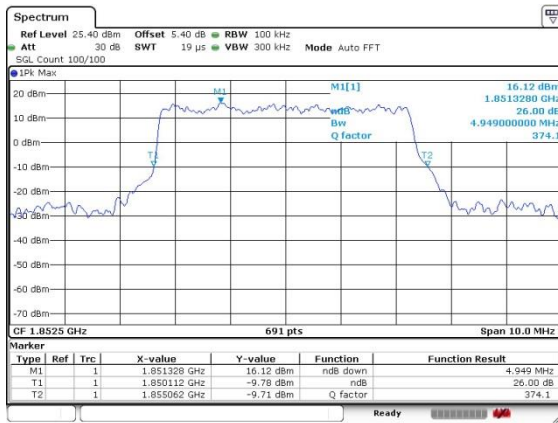
Mode	n25 : 26dB BW(MHz)					
BW	5MHz		10MHz		20MHz	
Mod.	BPSK	16QAM	BPSK	16QAM	BPSK	16QAM
Lowest CH	4.95	4.96	9.75	9.87	20.09	20.15
Middle CH	4.96	4.99	9.75	9.90	20.15	20.15
Highest CH	4.91	5.05	9.61	9.67	20.20	20.20



n25

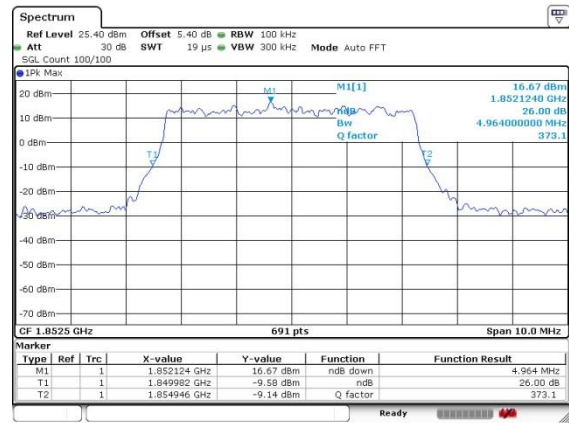
5MHz

Lowest Channel / BPSK



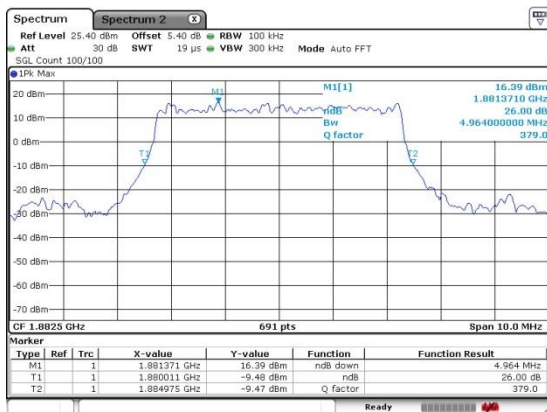
Date: 21 MAY 2020 21:36:47

Lowest Channel / 16QAM



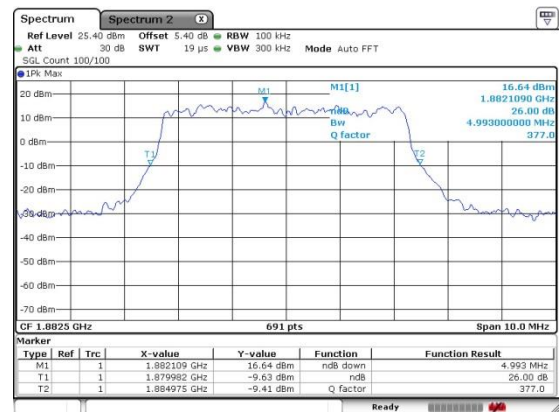
Date: 21 MAY 2020 21:37:34

Middle Channel / BPSK



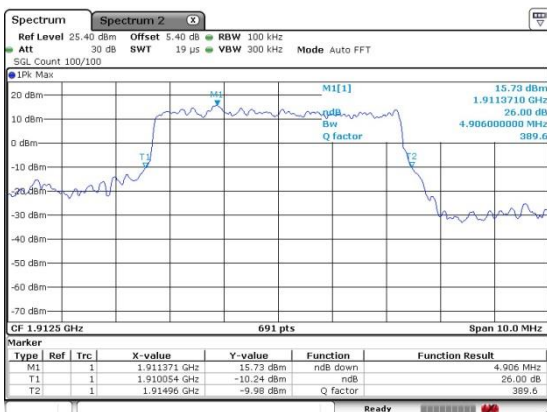
Date: 21 MAY 2020 21:38:47

Middle Channel / 16QAM



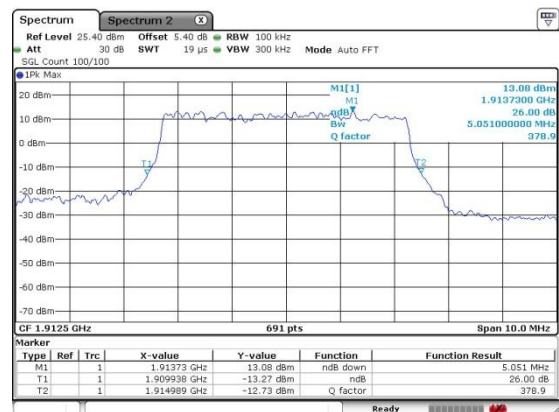
Date: 21 MAY 2020 21:39:47

Highest Channel / BPSK



Date: 21 MAY 2020 21:40:47

Highest Channel / 16QAM



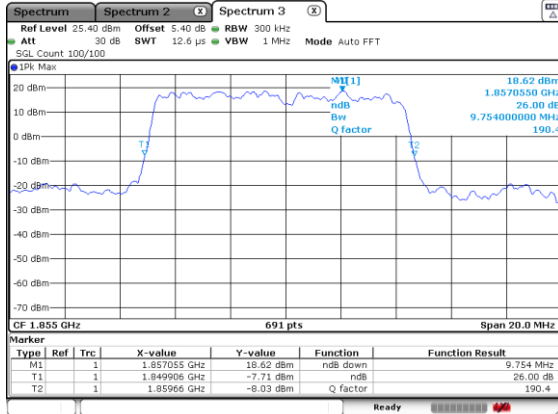
Date: 21 MAY 2020 21:41:47



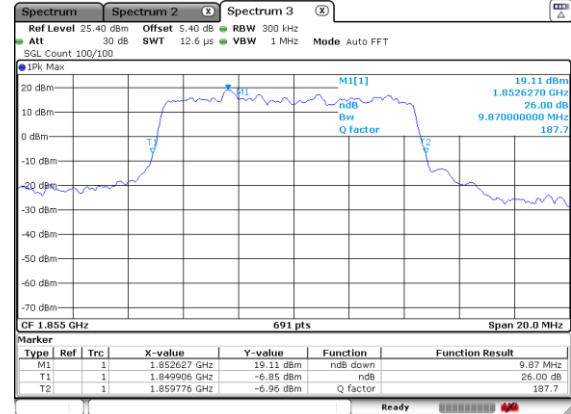
n25

10MHz

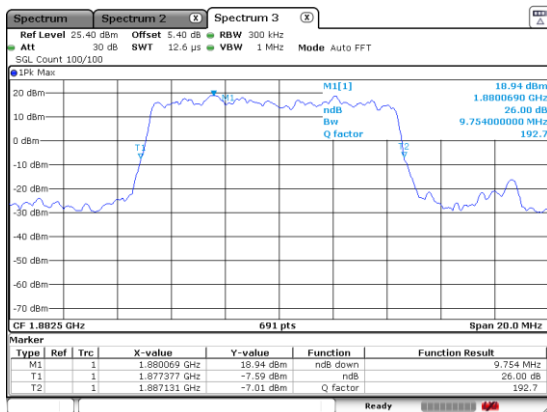
Lowest Channel / BPSK



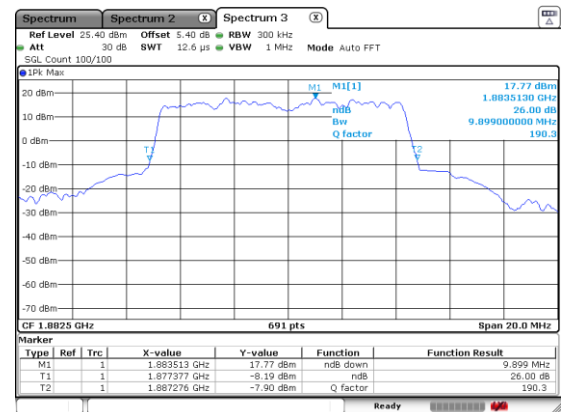
Lowest Channel / 16QAM



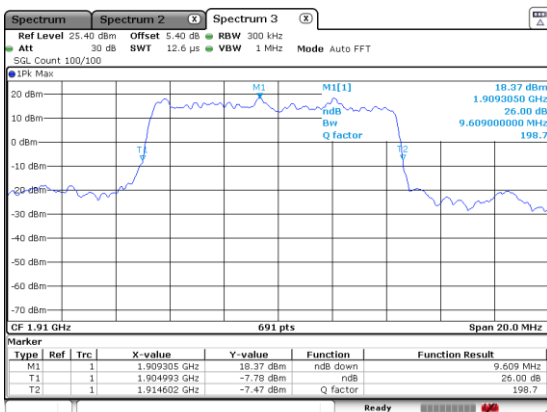
Middle Channel / BPSK



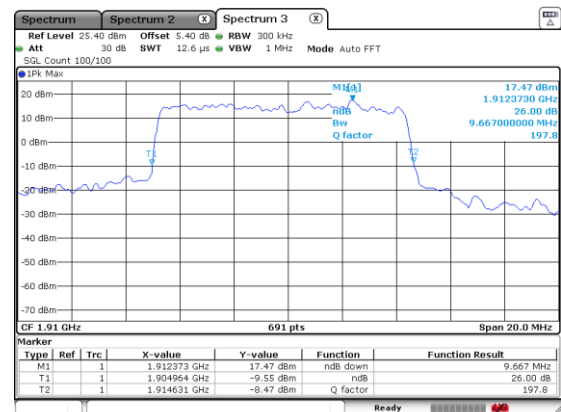
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

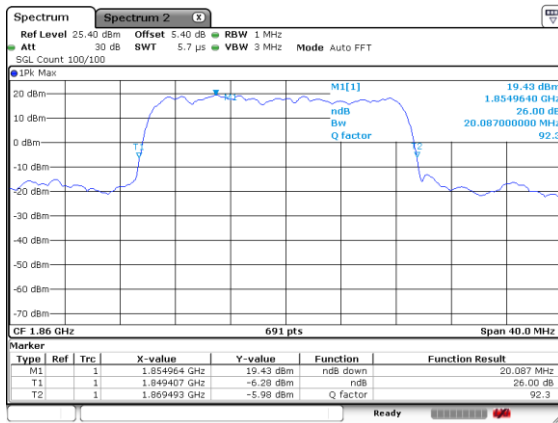




n25

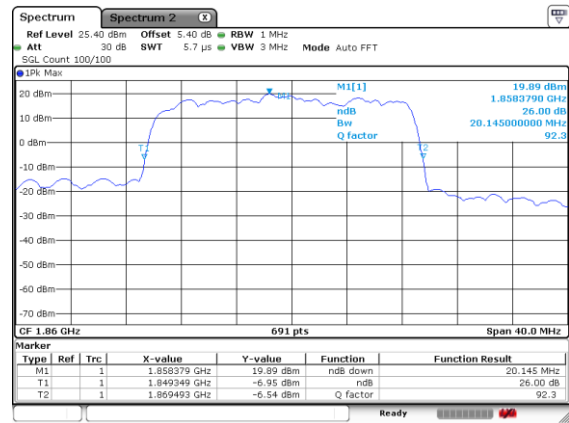
20MHz

Lowest Channel / BPSK



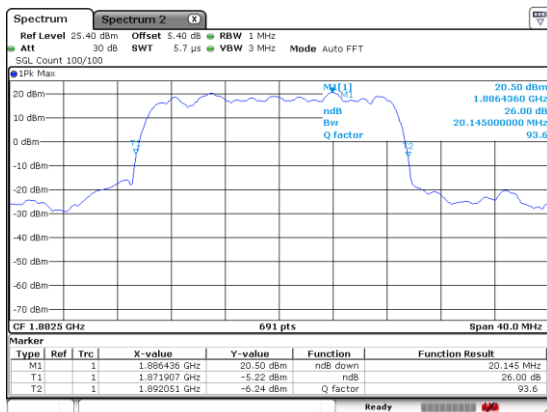
Date: 24 MAY 2020, 23:23:10

Lowest Channel / 16QAM



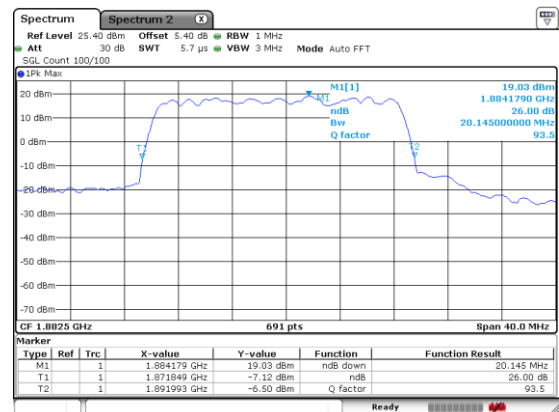
Date: 24 MAY 2020, 23:23:08

Middle Channel / BPSK



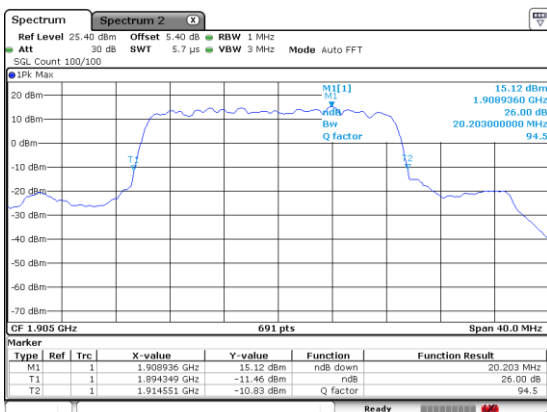
Date: 24 MAY 2020, 23:23:10

Middle Channel / 16QAM



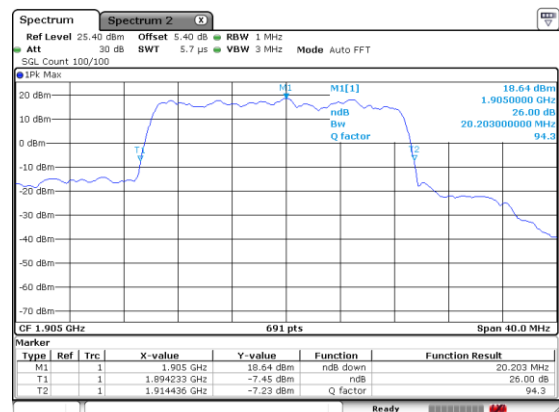
Date: 24 MAY 2020, 23:23:08

Highest Channel / BPSK



Date: 24 MAY 2020, 23:23:10

Highest Channel / 16QAM



Date: 24 MAY 2020, 23:23:08



A3.3. Occupied Bandwidth

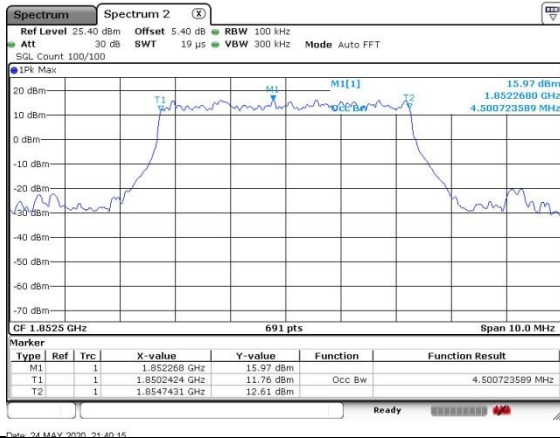
Mode	n25 : OB BW(MHz)					
BW	5MHz		10MHz		20MHz	
Mod.	BPSK	16QAM	BPSK	16QAM	BPSK	16QAM
Lowest CH	4.50	4.52	9.03	9.06	18.52	18.47
Middle CH	4.50	4.50	9.03	8.94	18.23	18.29
Highest CH	4.50	4.50	9.03	8.97	18.29	18.47



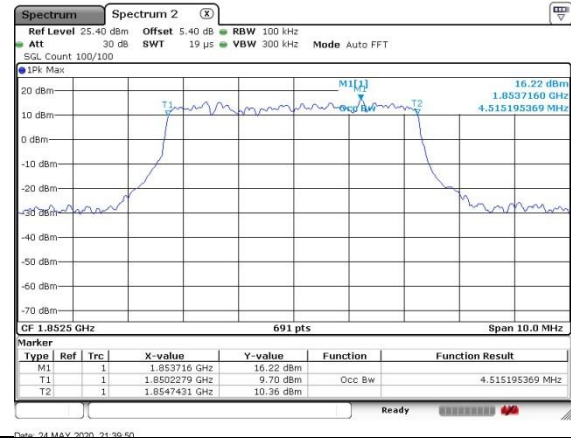
n25

5MHz

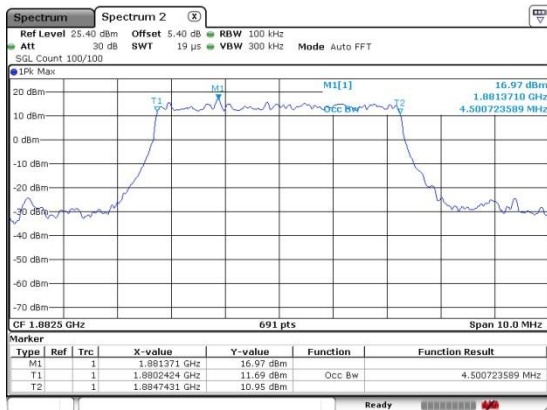
Lowest Channel / BPSK



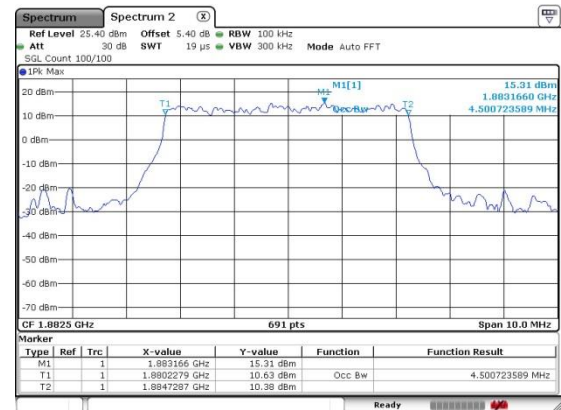
Lowest Channel / 16QAM



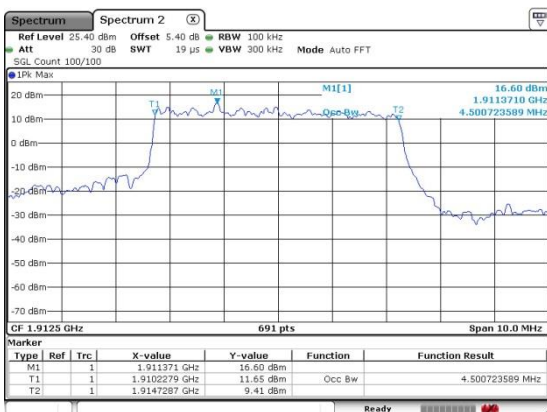
Middle Channel / BPSK



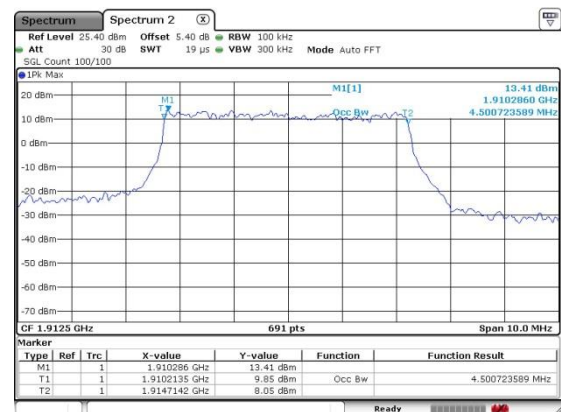
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM

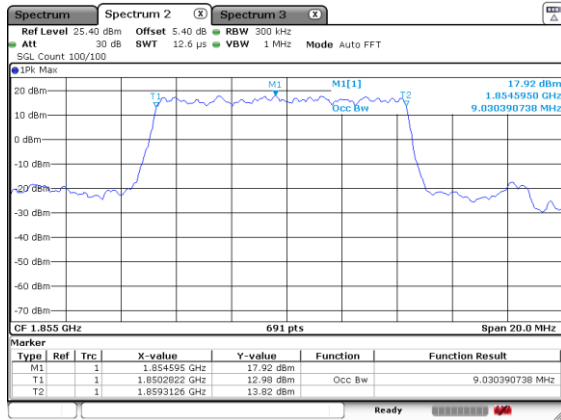




n25

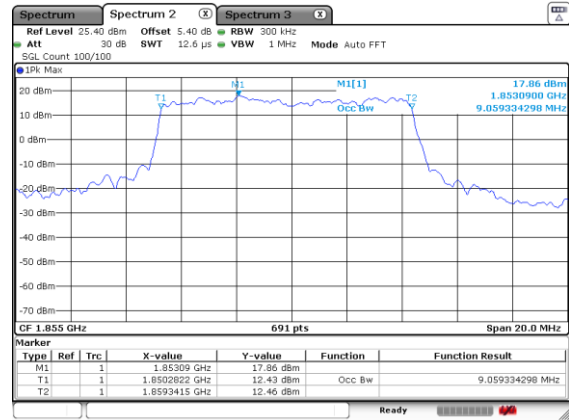
10MHz

Lowest Channel / BPSK



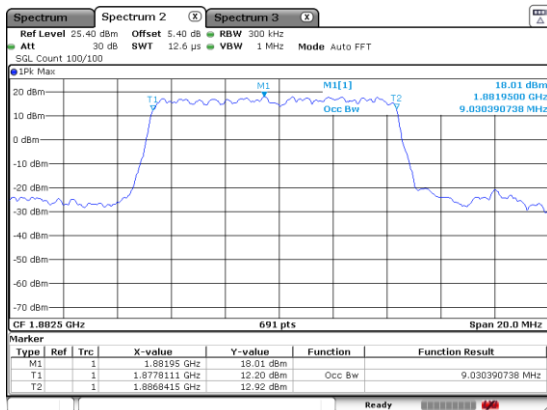
Date: 14 MAY 2020, 23:02:30

Lowest Channel / 16QAM



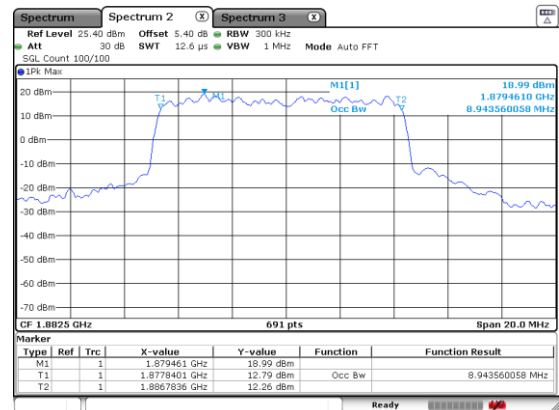
Date: 14 MAY 2020, 23:02:30

Middle Channel / BPSK



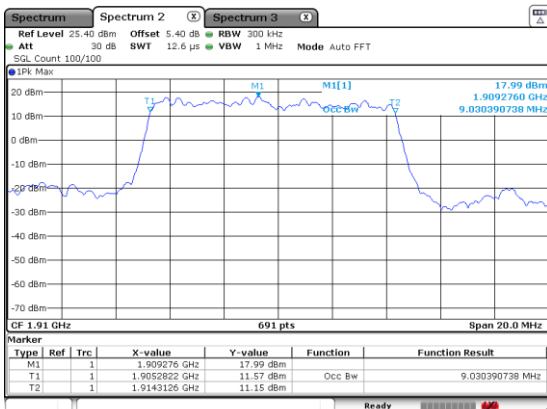
Ready

Middle Channel / 16QAM



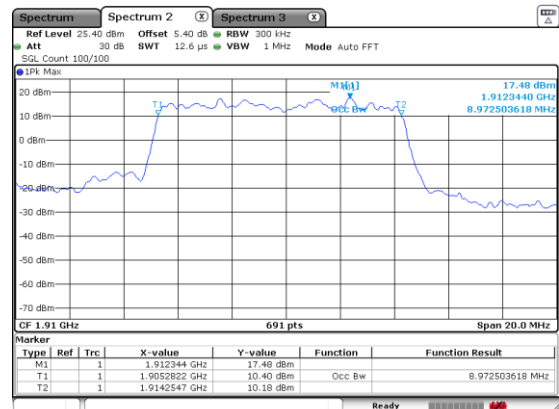
Ready

Highest Channel / BPSK



Ready

Highest Channel / 16QAM



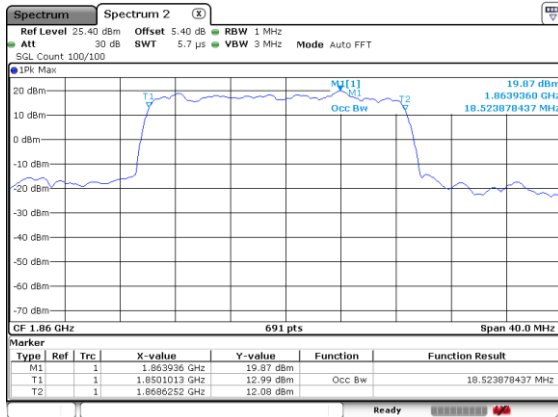
Ready



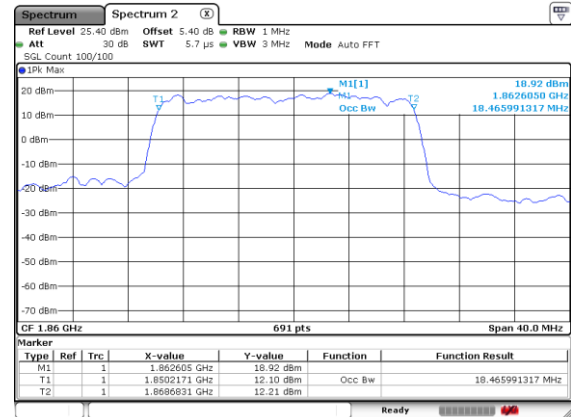
n25

20MHz

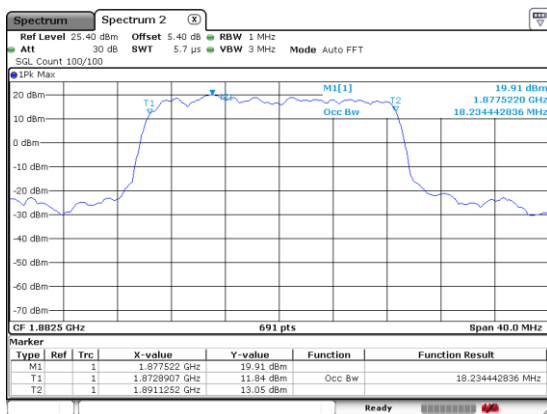
Lowest Channel / BPSK



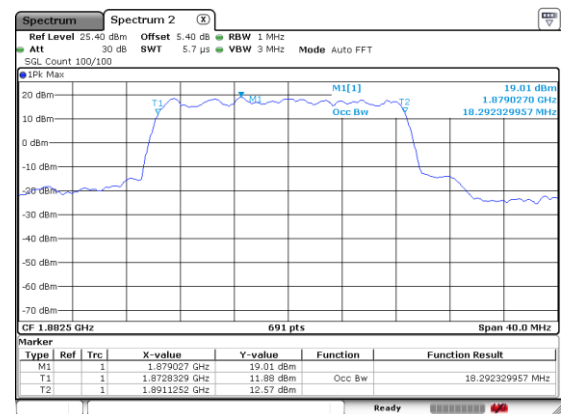
Lowest Channel / 16QAM



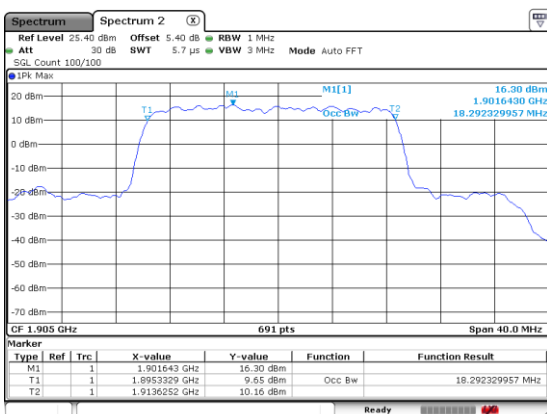
Middle Channel / BPSK



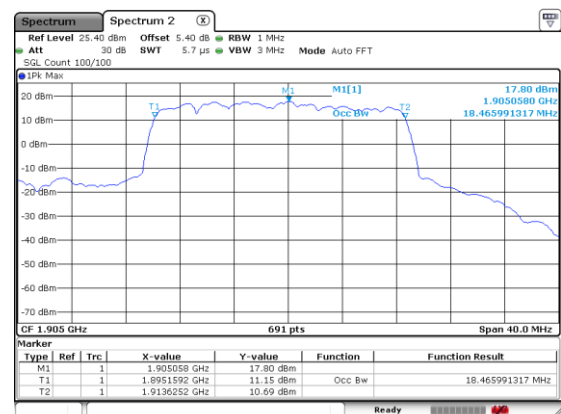
Middle Channel / 16QAM



Highest Channel / BPSK

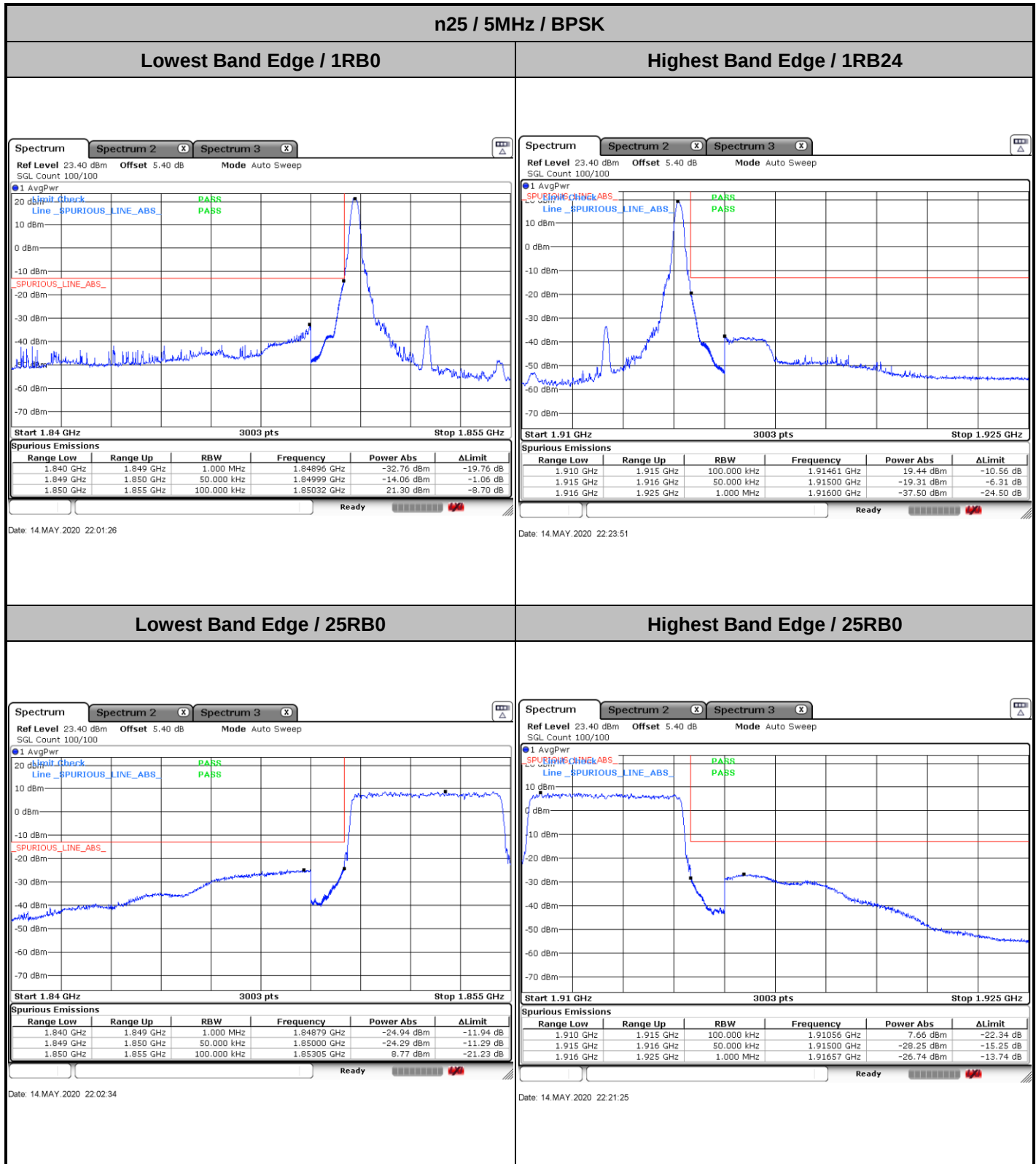


Highest Channel / 16QAM





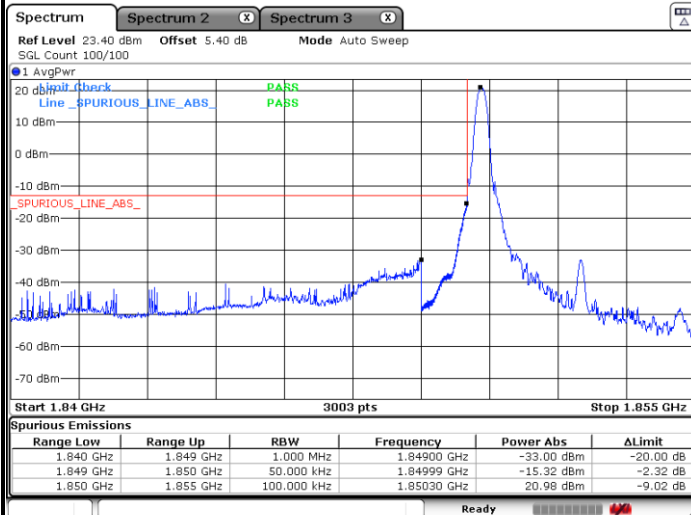
A3.4. Conducted Band Edge





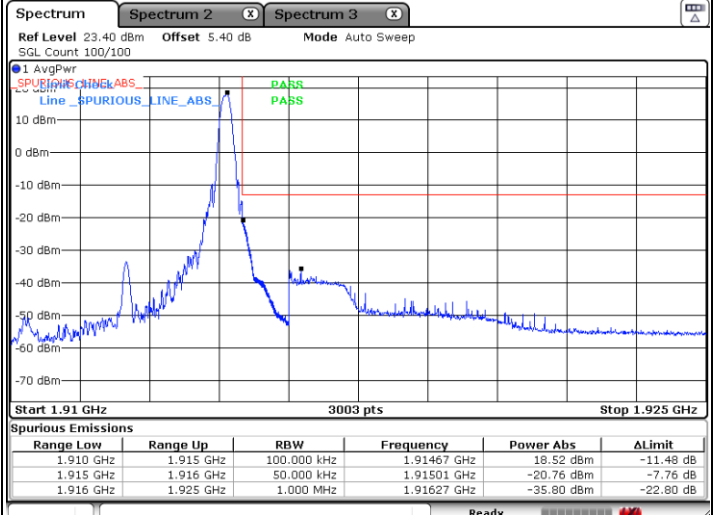
n25 / 5MHz / 16QAM

Lowest Band Edge / 1RB0



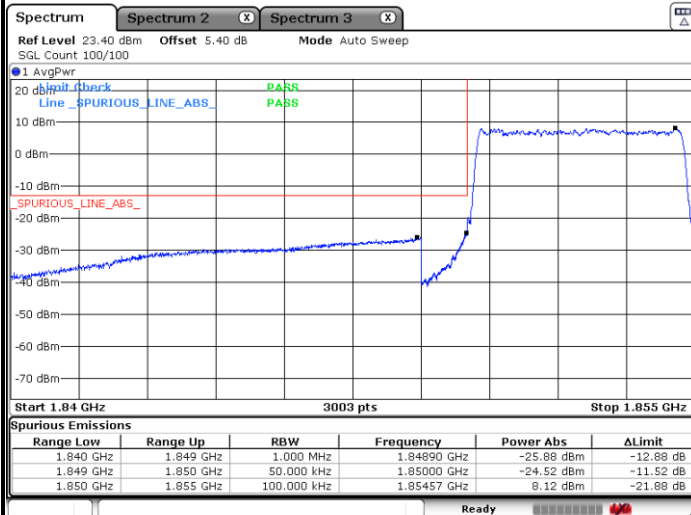
Date: 14.MAY.2020 22:04:02

Highest Band Edge / 1RB24



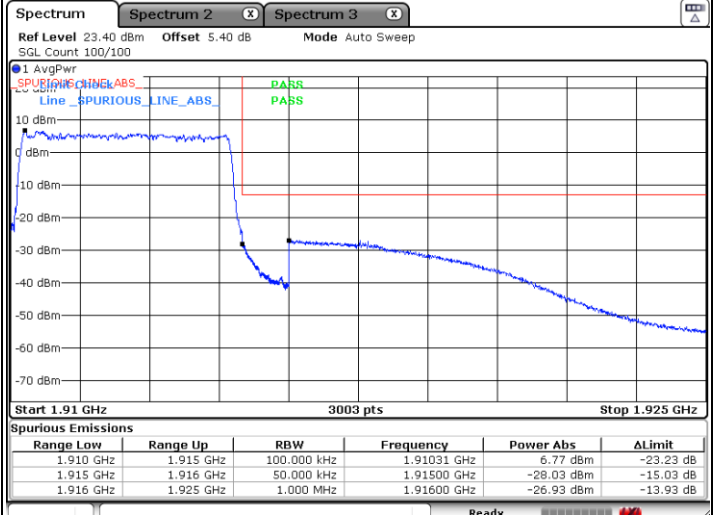
Date: 14.MAY.2020 22:25:12

Lowest Band Edge / 25RB0



Date: 14.MAY.2020 22:04:30

Highest Band Edge / 25RB0

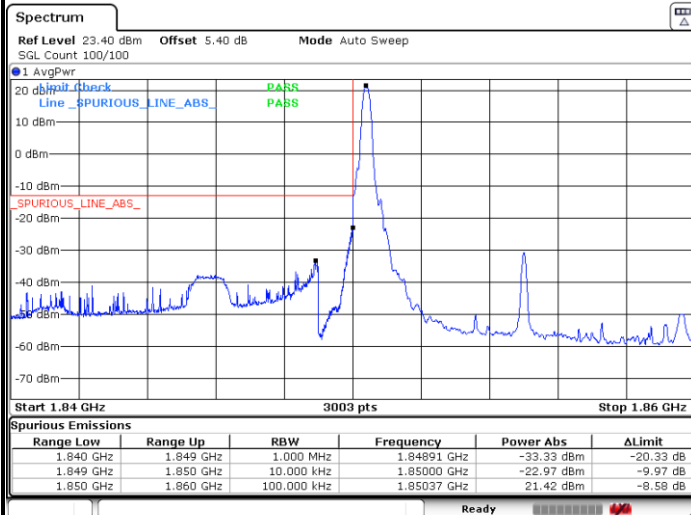


Date: 14.MAY.2020 22:22:08



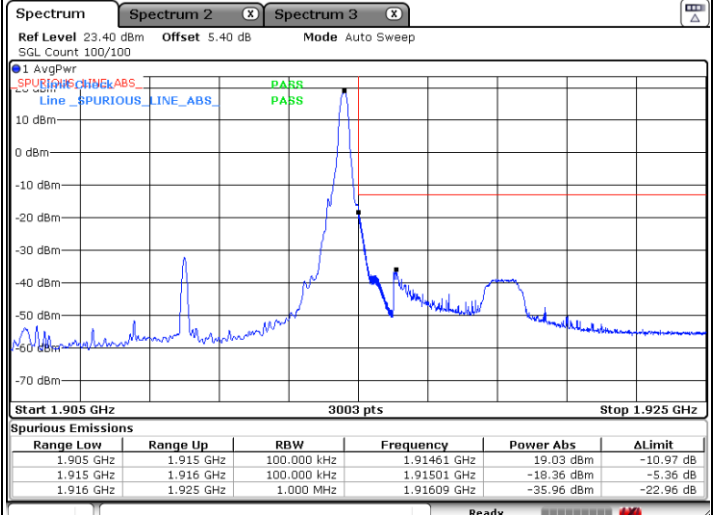
n25 / 10MHz / BPSK

Lowest Band Edge / 1RB0



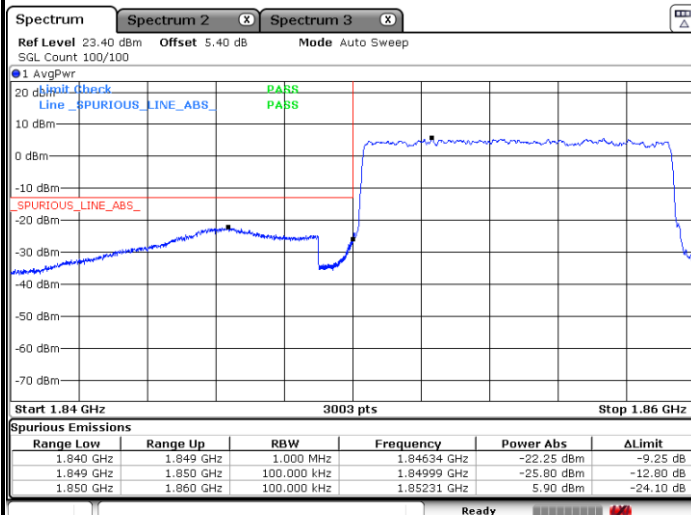
Date: 19 MAY 2020 16:51:26

Highest Band Edge / 1RB51



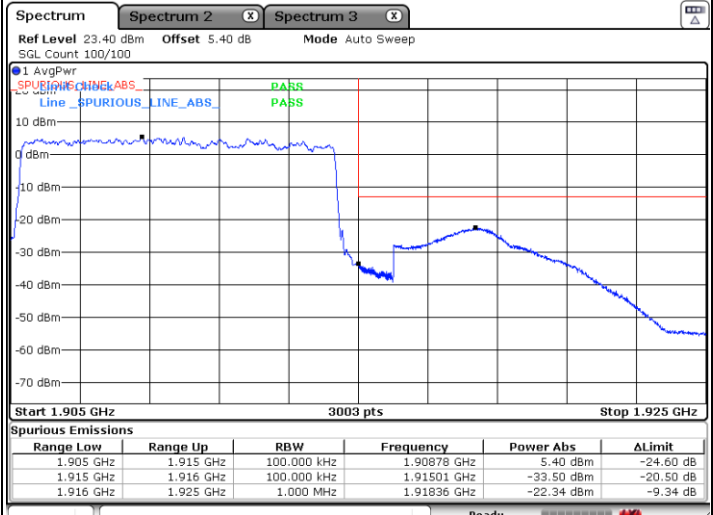
Date: 14 MAY 2020 23:13:56

Lowest Band Edge / 50RB0



Date: 14 MAY 2020 23:05:23

Highest Band Edge / 50RB0

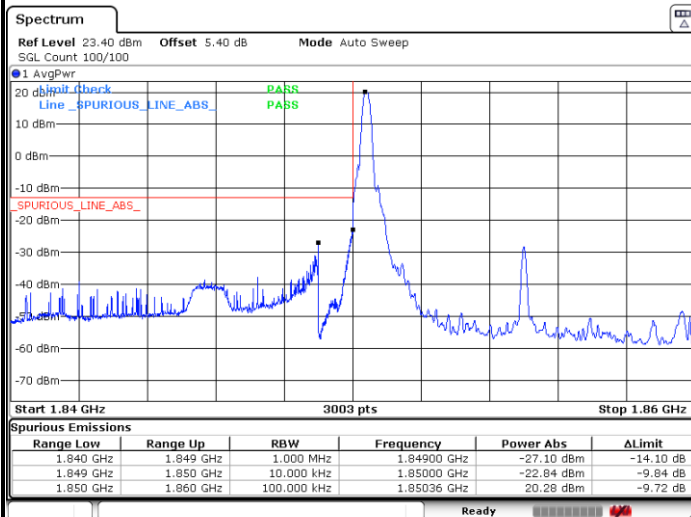


Date: 14 MAY 2020 23:15:32



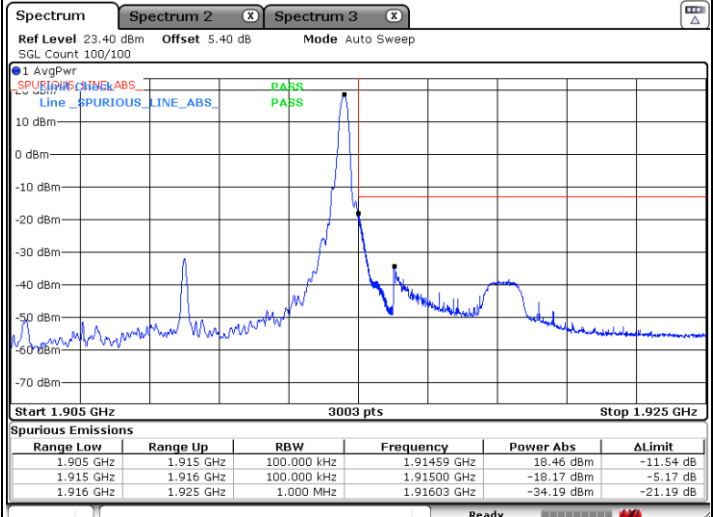
n25 / 10MHz / 16QAM

Lowest Band Edge / 1RB0



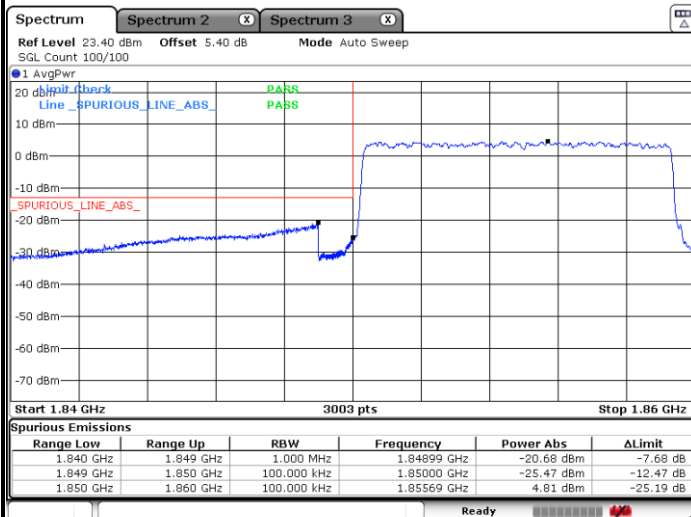
Date: 19 MAY 2020 16:52:33

Highest Band Edge / 1RB51



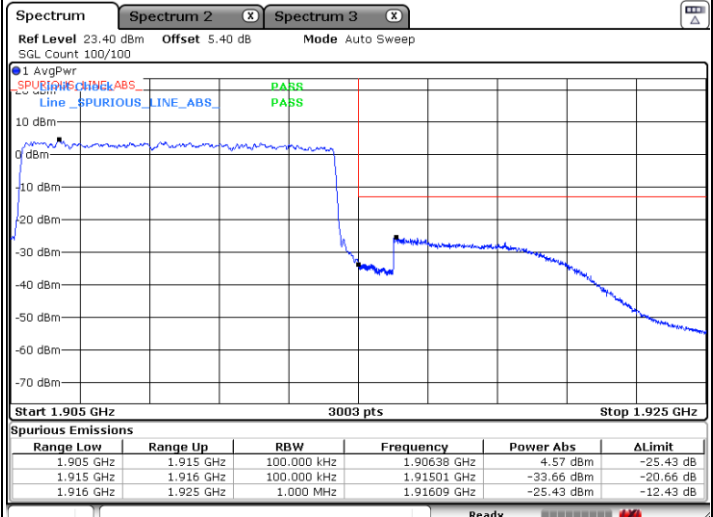
Date: 14 MAY 2020 23:14:36

Lowest Band Edge / 50RB0



Date: 14 MAY 2020 23:06:41

Highest Band Edge / 50RB0

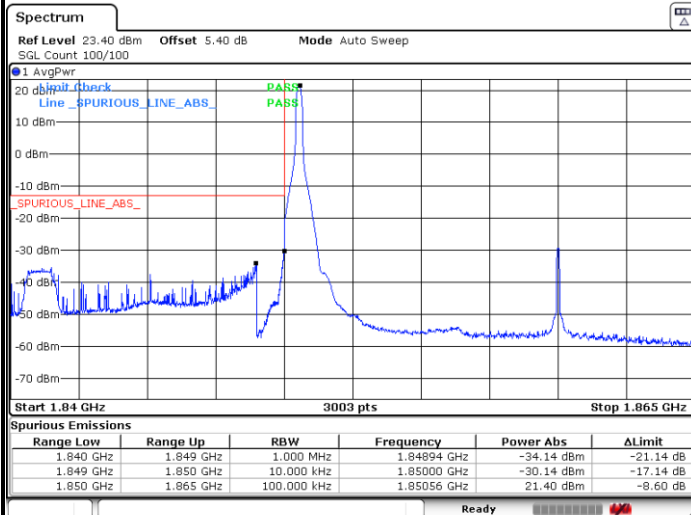


Date: 14 MAY 2020 23:16:06

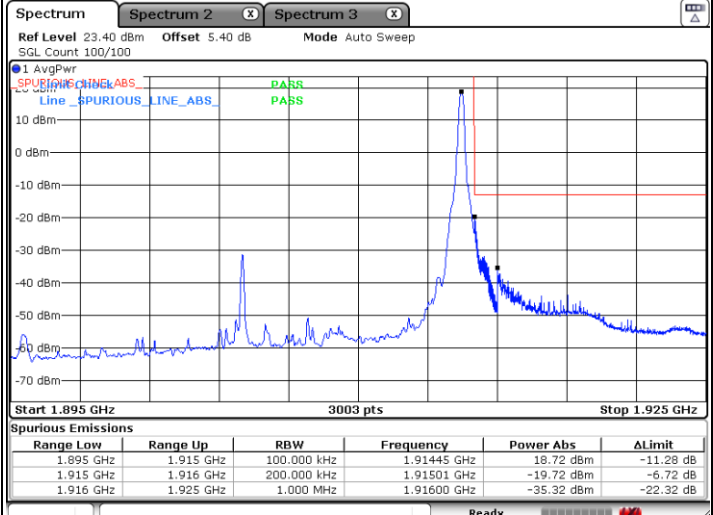


n25 / 20MHz / BPSK

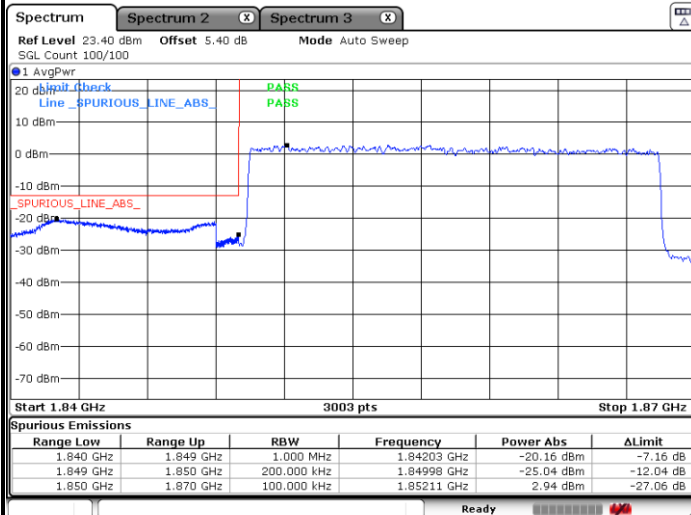
Lowest Band Edge / 1RB0



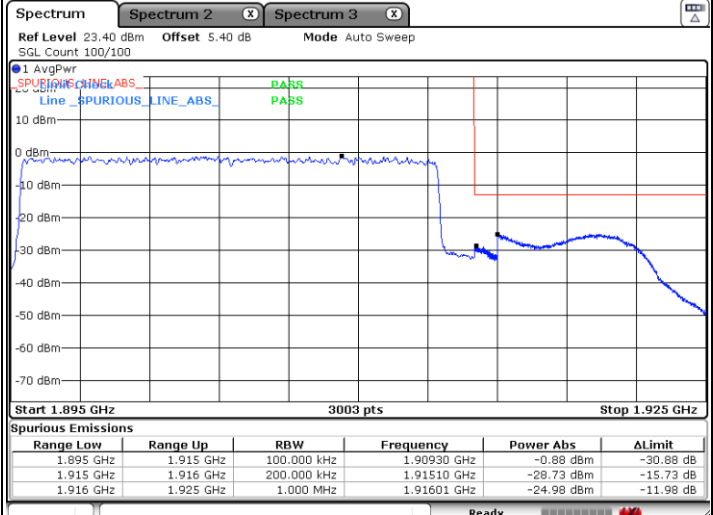
Highest Band Edge / 1RB105



Lowest Band Edge / 100RB0



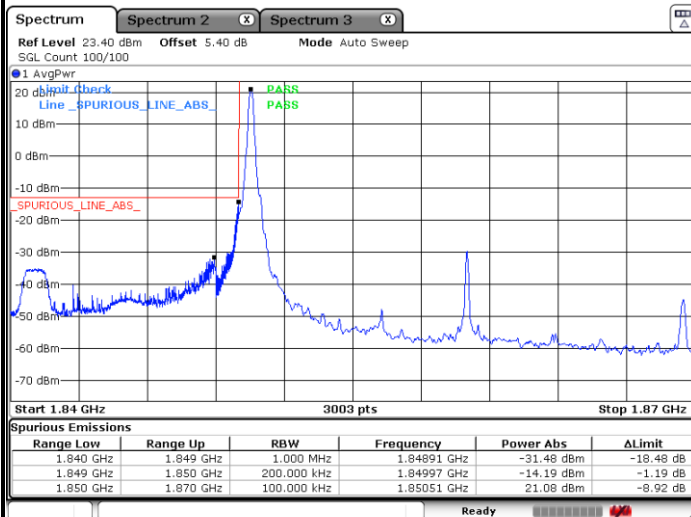
Highest Band Edge / 100RB0





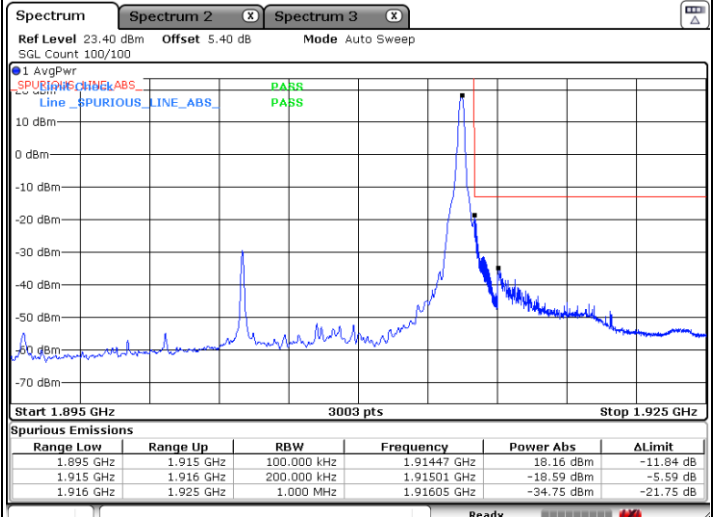
n25 / 20MHz / 16QAM

Lowest Band Edge / 1RB0



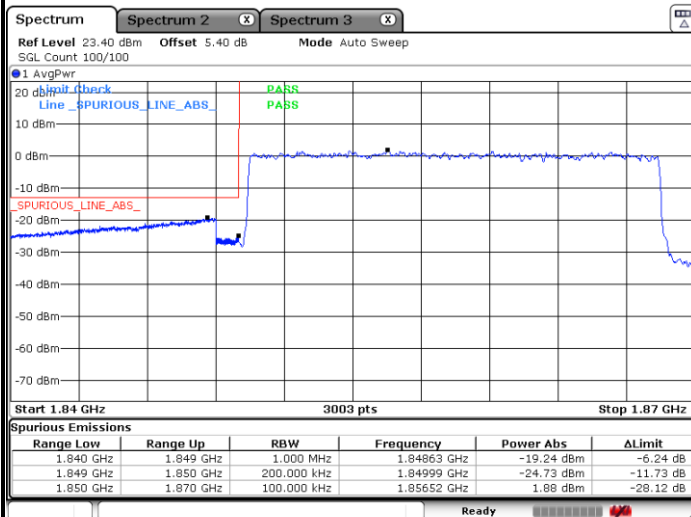
Date: 15.MAY.2020 00:29:17

Highest Band Edge / 1RB105



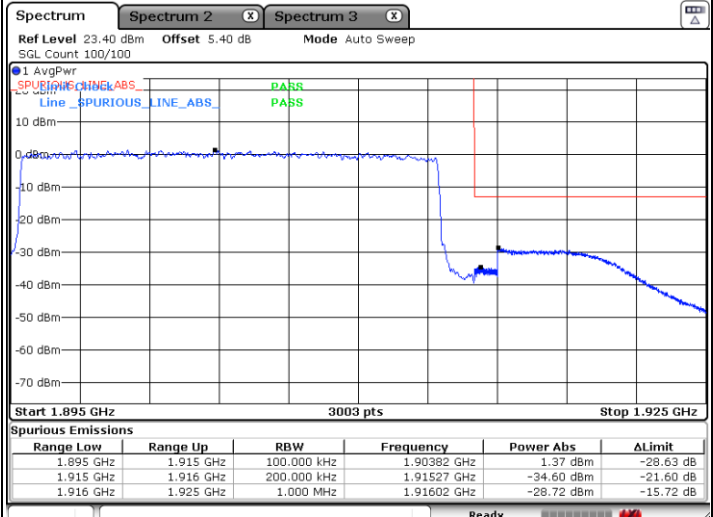
Date: 15.MAY.2020 00:32:59

Lowest Band Edge / 100RB0



Date: 15.MAY.2020 00:28:00

Highest Band Edge / 100RB0



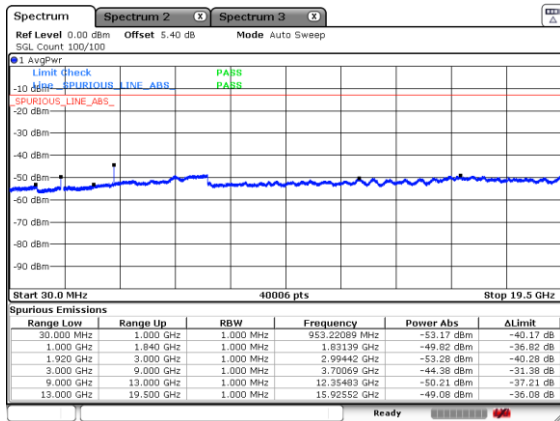
Date: 15.MAY.2020 00:35:02



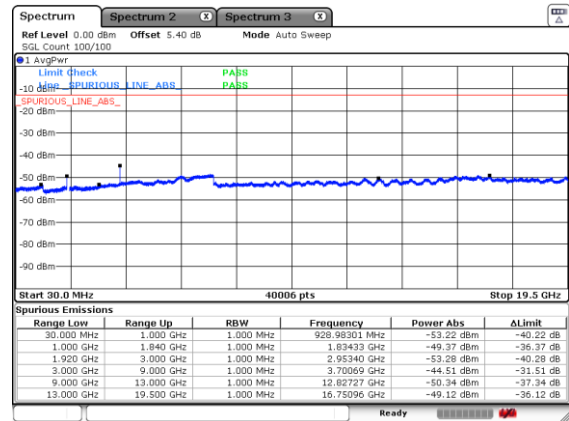
A3.5. Conducted Spurious Emission

n25 / 5MHz

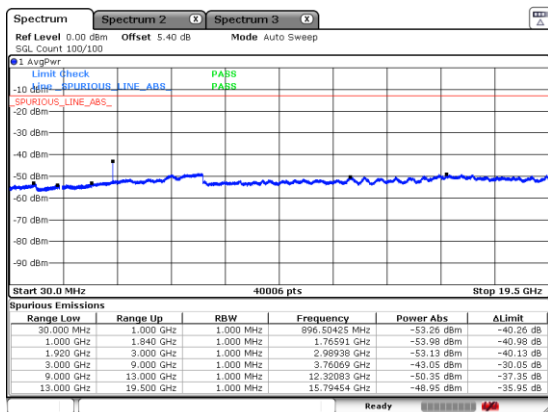
Lowest Channel / BPSK



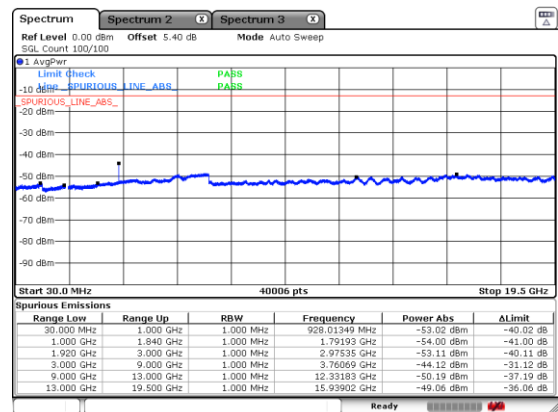
Lowest Channel / 16QAM



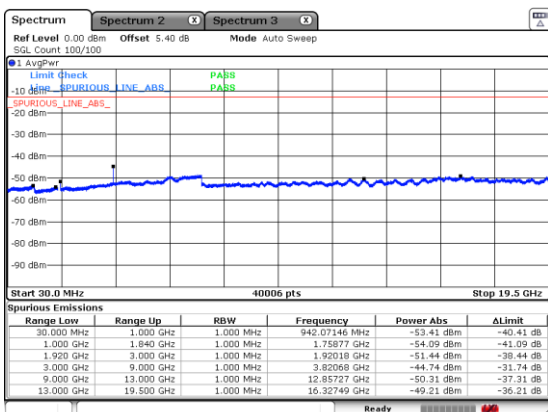
Middle Channel / BPSK



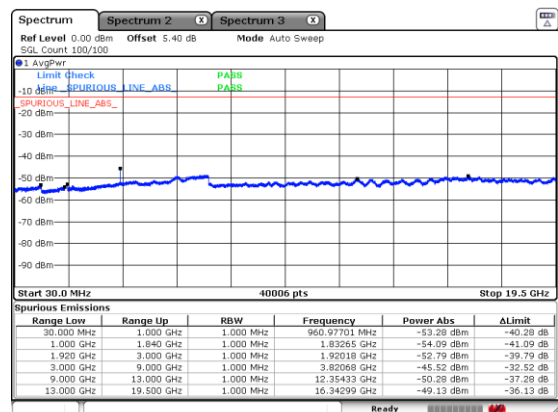
Middle Channel / 16QAM



Highest Channel / BPSK



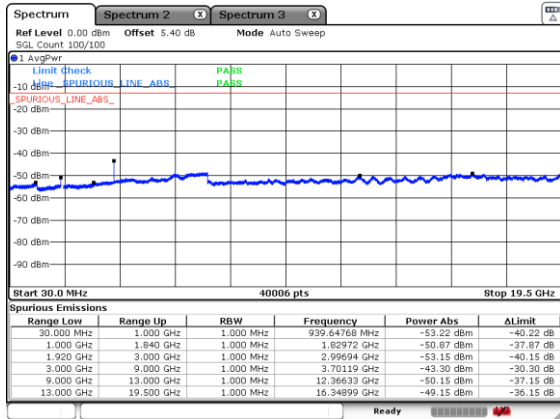
Highest Channel / 16QAM



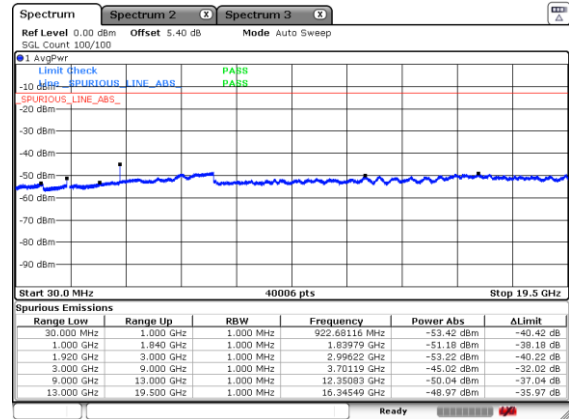


n25 / 10MHz

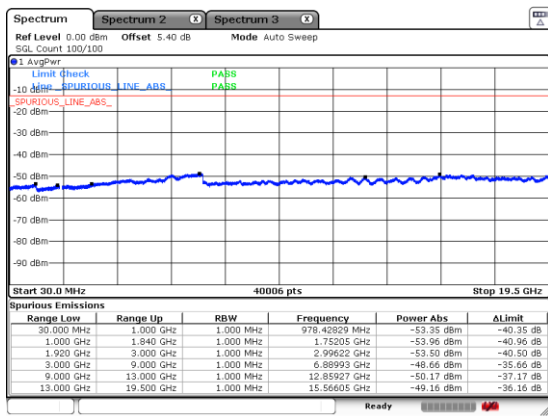
Lowest Channel / BPSK



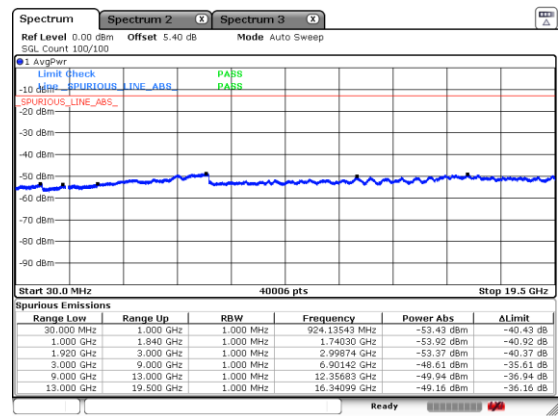
Lowest Channel / 16QAM



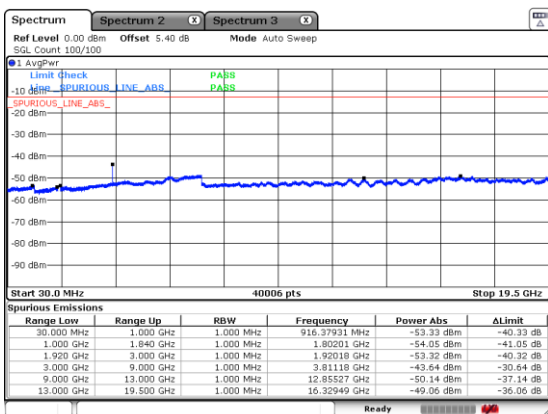
Middle Channel / BPSK



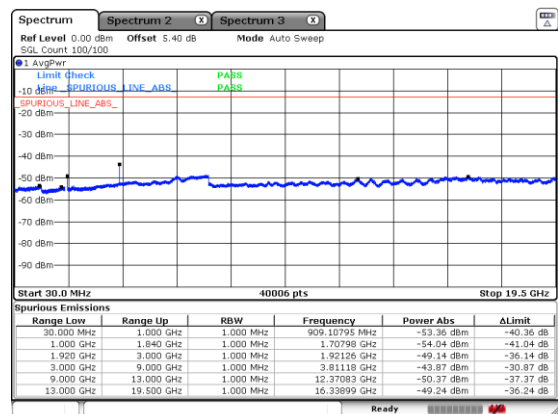
Middle Channel / 16QAM



Highest Channel / BPSK



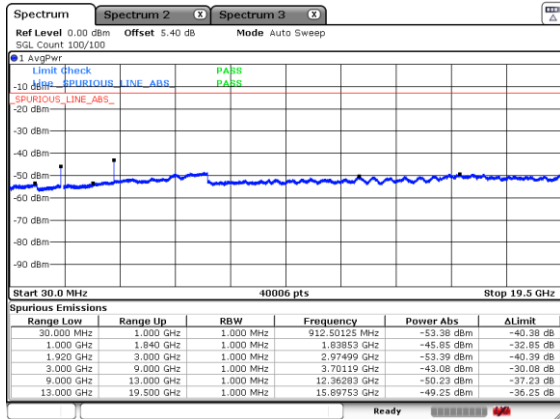
Highest Channel / 16QAM



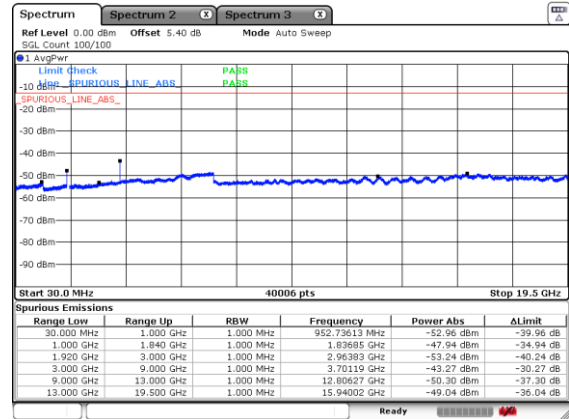


n25 / 20MHz

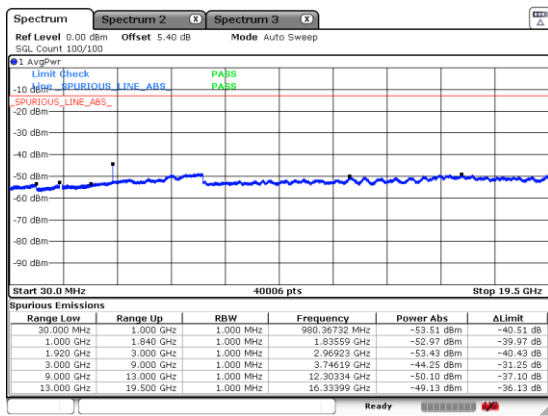
Lowest Channel / BPSK



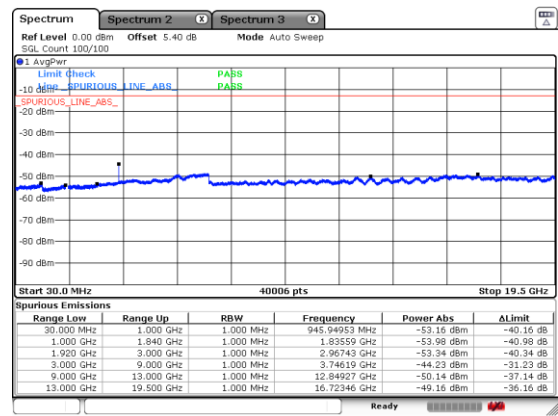
Lowest Channel / 16QAM



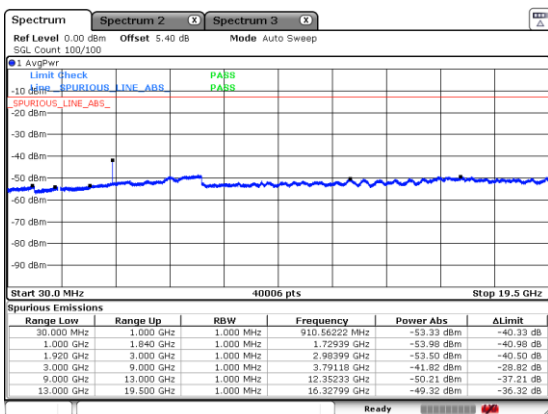
Middle Channel / BPSK



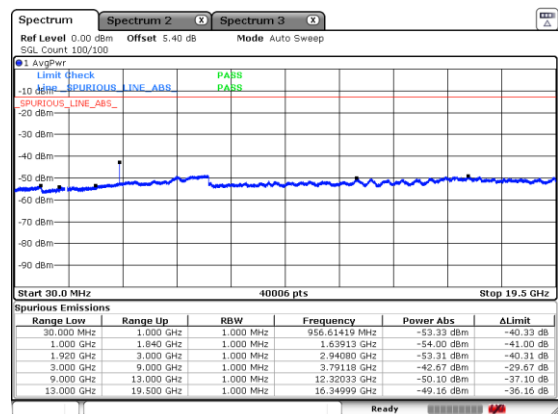
Middle Channel / 16QAM



Highest Channel / BPSK



Highest Channel / 16QAM



A3.6. Frequency Stability

Test Conditions		n25 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0004	

Note:

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



A4. 5G NR n41

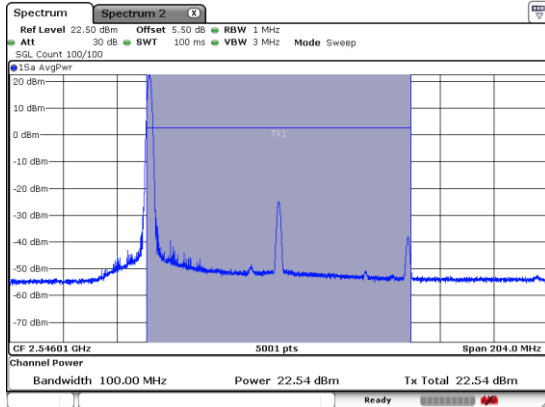
A4.1. Peak-to-Average Ratio

Mode	n41 / 100MHz				
Mod.	BPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.32	7.09	3.26	7.15	PASS
Middle CH	2.21	7.10	2.57	7.19	
Highest CH	2.78	7.00	2.85	7.32	

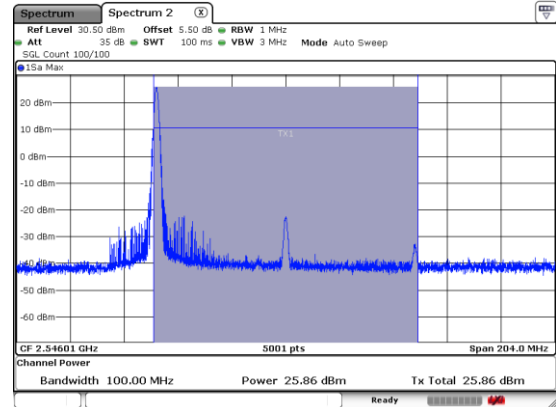


n41 / 100MHz / BPSK

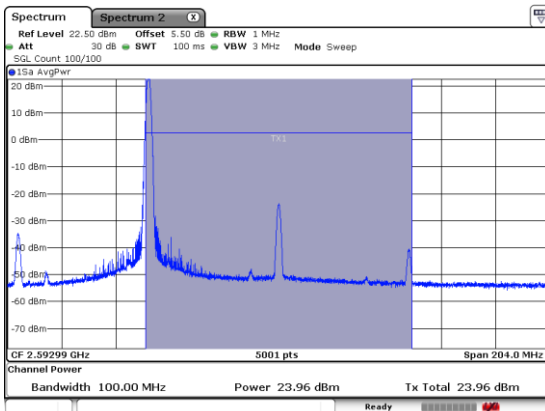
Lowest Channel / 1RB / Average



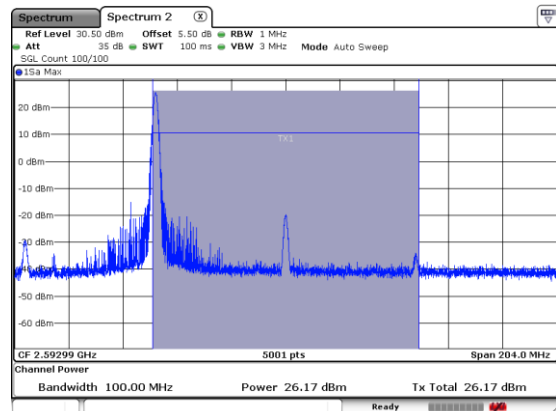
Lowest Channel / 1RB / Peak



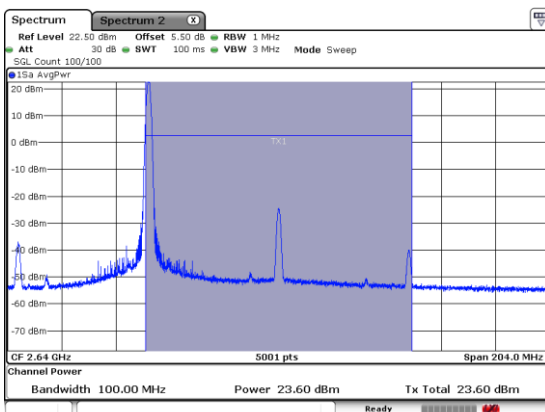
Middle Channel / 1RB / Average



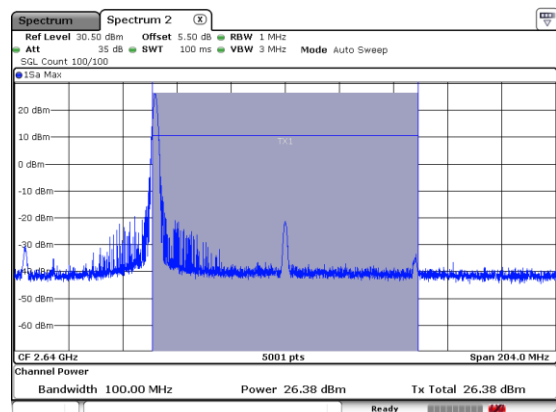
Middle Channel / 1RB / Peak



Highest Channel / 1RB / Average



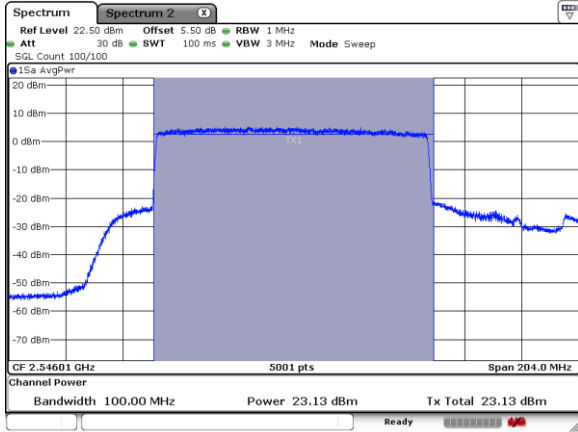
Highest Channel / 1RB / Peak





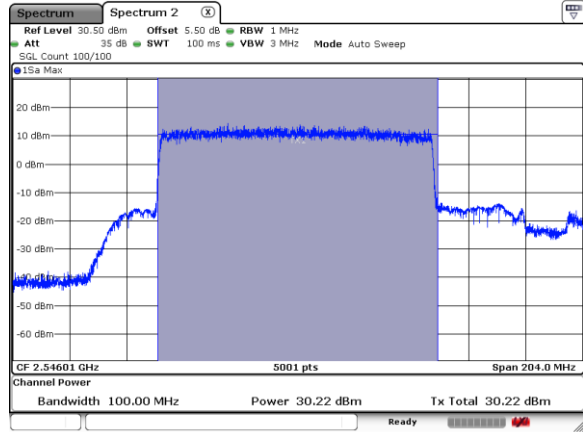
n41 /100MHz / BPSK

Lowest Channel / Full RB / Average



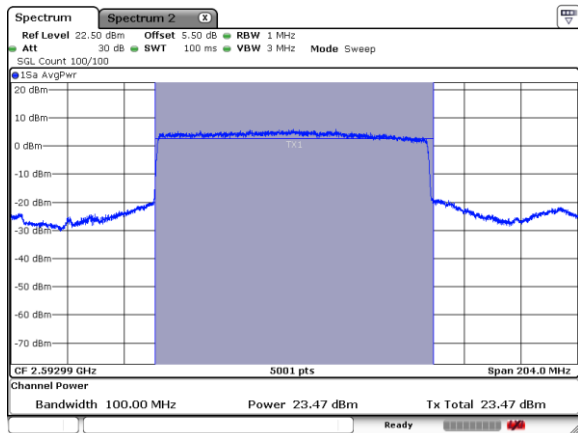
Date: 6 JUN 2020 00:58:53

Lowest Channel / Full RB / Peak



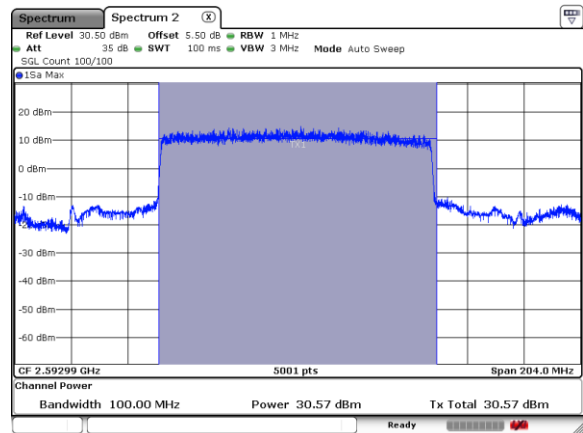
Date: 6 JUN 2020 00:59:25

Middle Channel / Full RB / Average



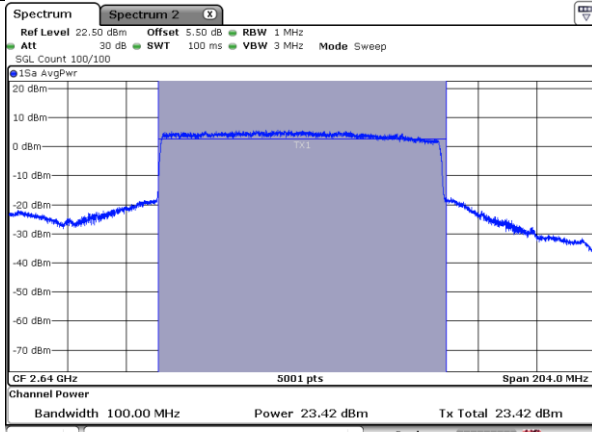
Date: 6 JUN 2020 01:07:48

Middle Channel / Full RB / Peak



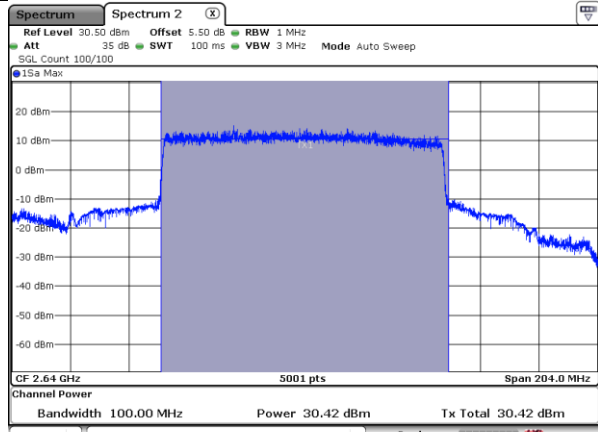
Date: 6 JUN 2020 01:08:18

Highest Channel / Full RB / Average



Date: 6 JUN 2020 01:11:54

Highest Channel / Full RB / Peak

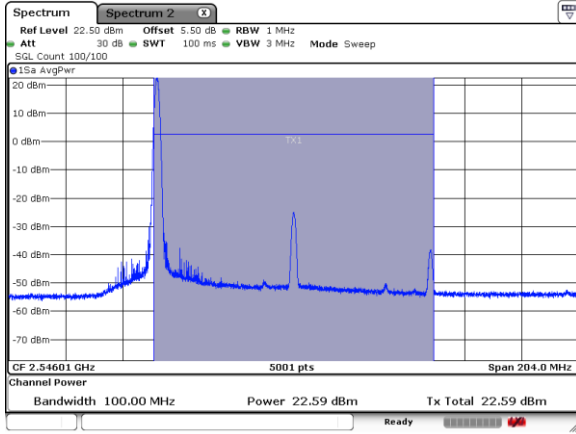


Date: 6 JUN 2020 01:12:37

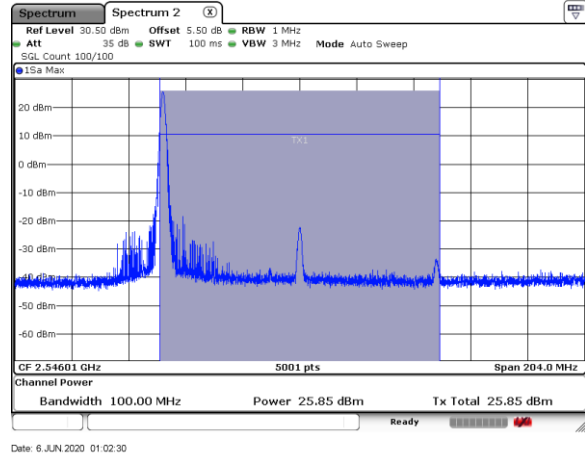


n41 / 100MHz / 16QAM

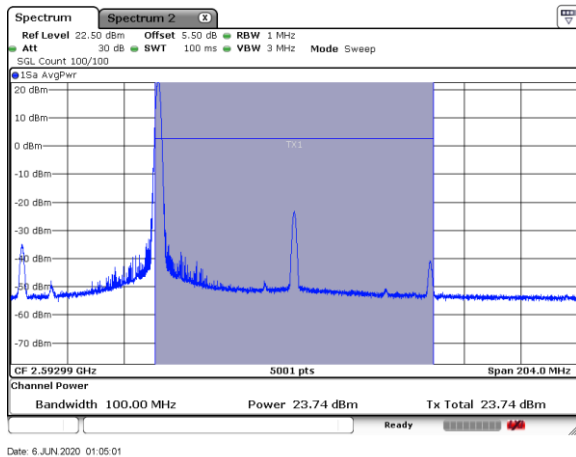
Lowest Channel / 1RB / Average



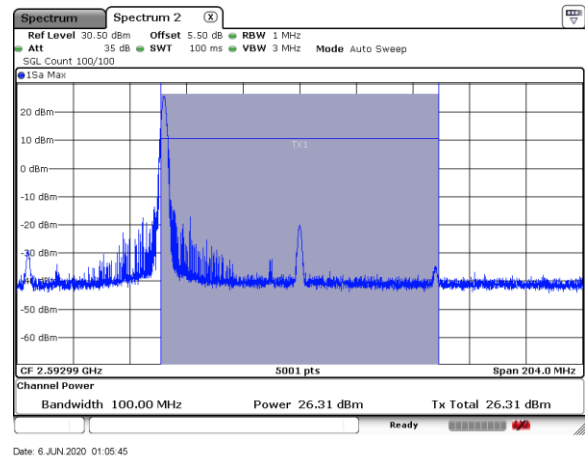
Lowest Channel / 1RB / Peak



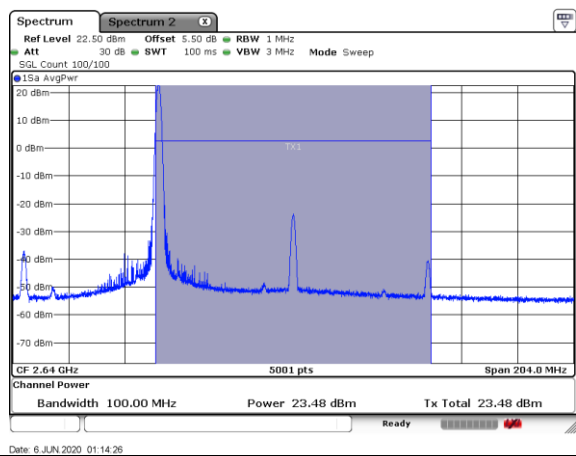
Middle Channel / 1RB / Average



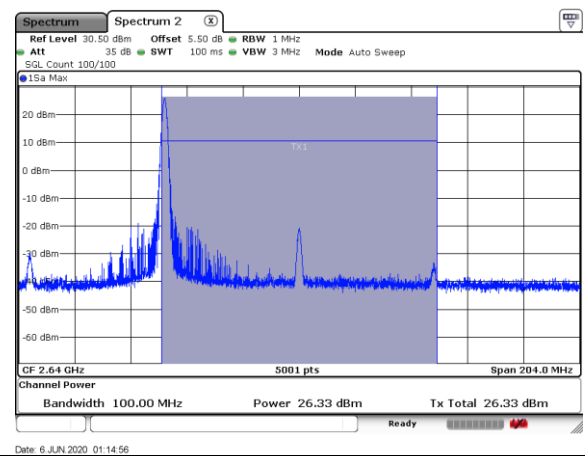
Middle Channel / 1RB / Peak



Highest Channel / 1RB / Average



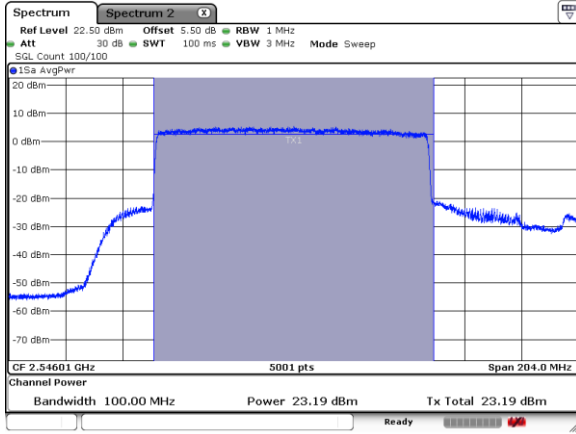
Highest Channel / 1RB / Peak





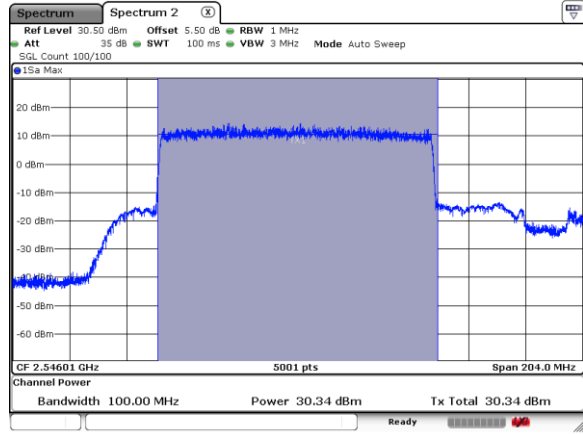
n41 / 100MHz / 16QAM

Lowest Channel / Full RB / Average



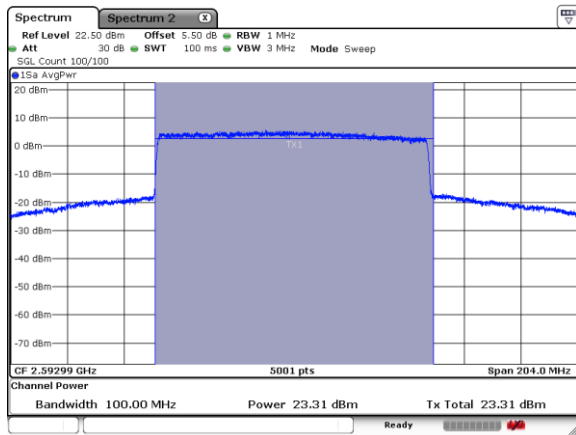
Date: 6 JUN 2020 00:58:30

Lowest Channel / Full RB / Peak



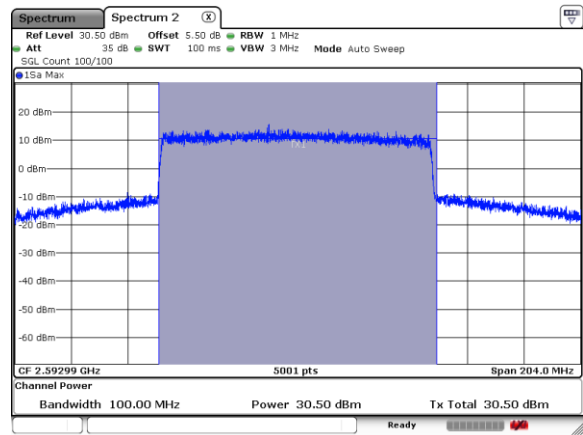
Date: 6 JUN 2020 00:58:09

Middle Channel / Full RB / Average



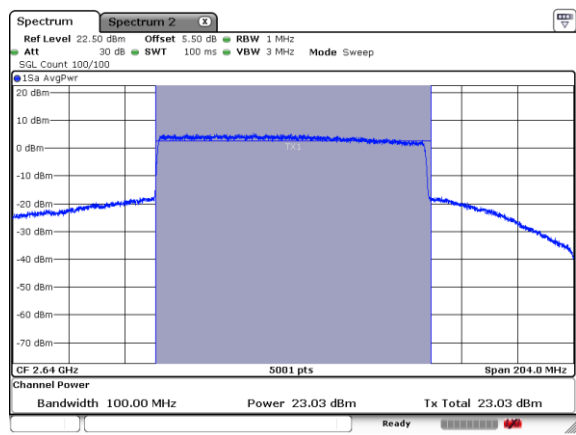
Date: 6 JUN 2020 01:08:57

Middle Channel / Full RB / Peak



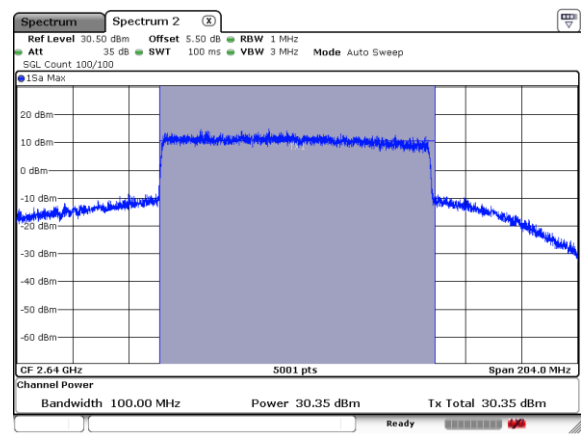
Date: 6 JUN 2020 01:09:28

Highest Channel / Full RB / Average



Date: 6 JUN 2020 01:11:15

Highest Channel / Full RB / Peak



Date: 6 JUN 2020 01:10:41



A4.2. 26dB Bandwidth

Mode	n41 : 26dB BW(MHz)					
BW	20MHz		60MHz		100MHz	
Mod.	BPSK	16QAM	BPSK	16QAM	BPSK	16QAM
Lowest CH	20.06	20.46	62.58	62.58	101.5	101.5
Middle CH	20.18	20.18	62.82	62.70	103.1	101.9
Highest CH	19.98	20.46	62.46	62.70	104.9	103.7