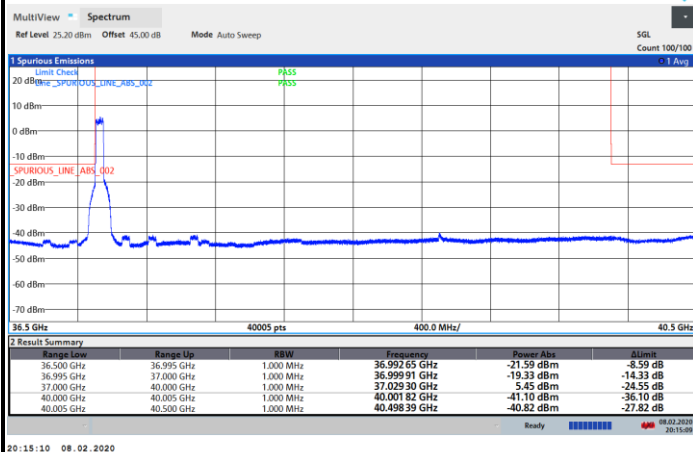




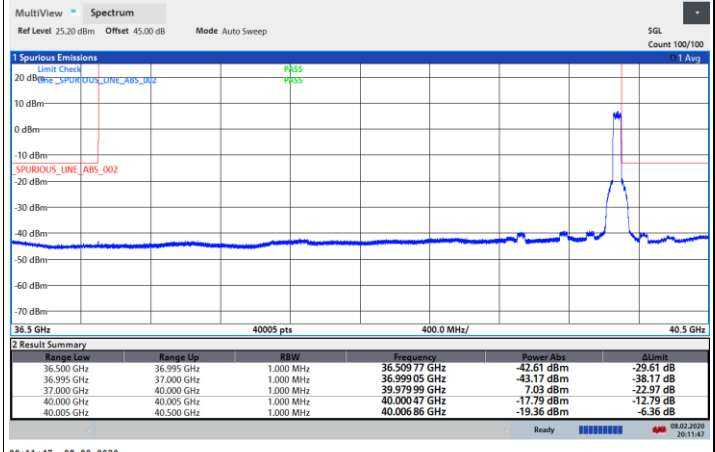
Module 1 AG1

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

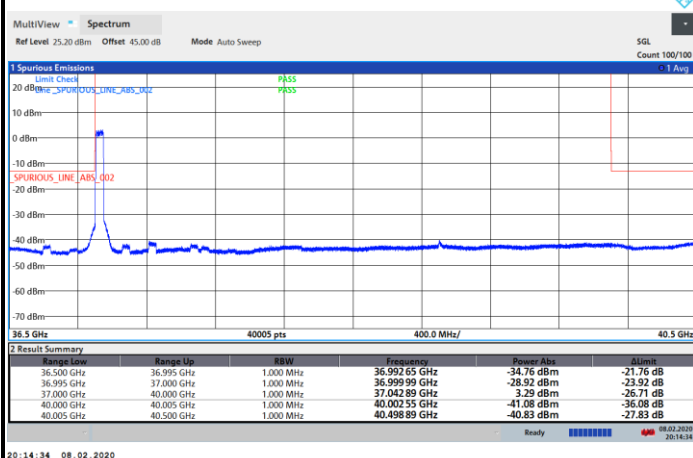


Highest Band Edge / Full RB

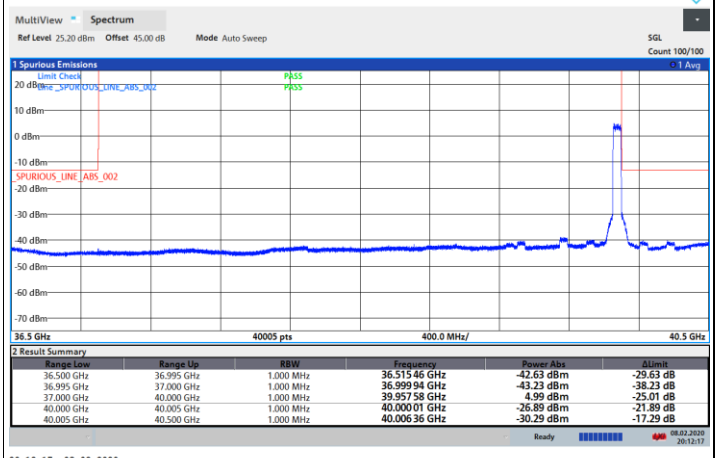


NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

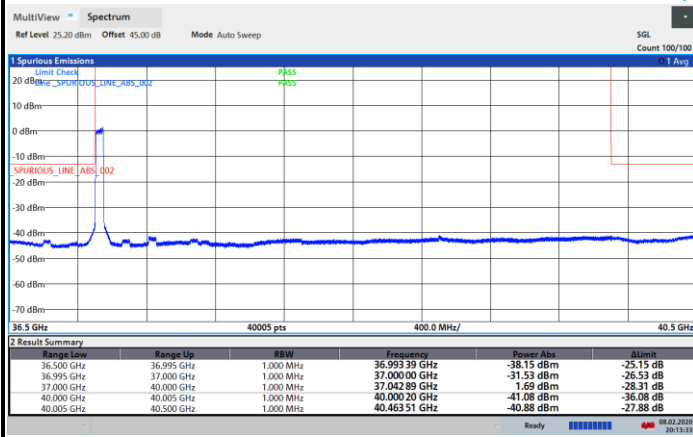




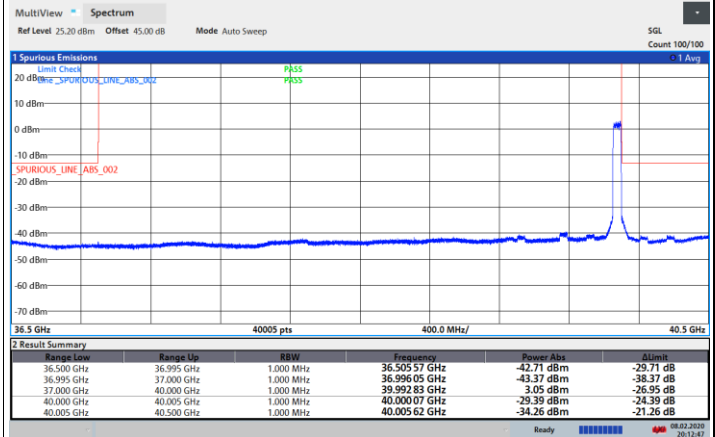
Module 1 AG1

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB

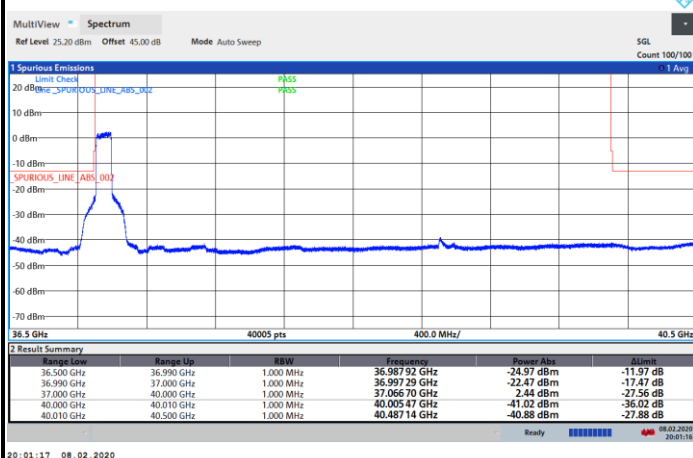


Highest Band Edge / Full RB

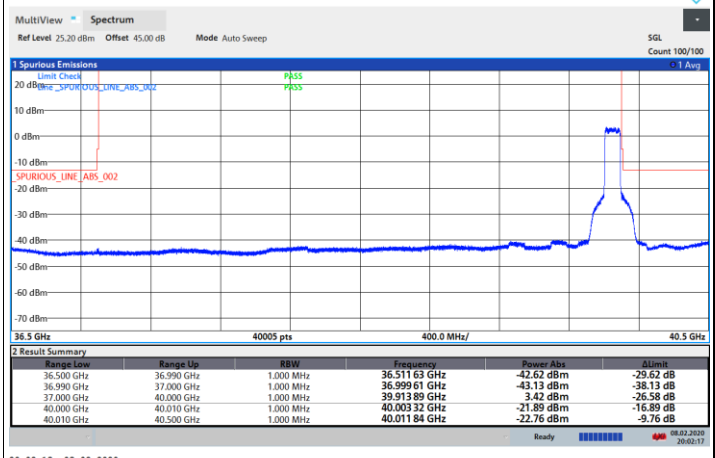


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

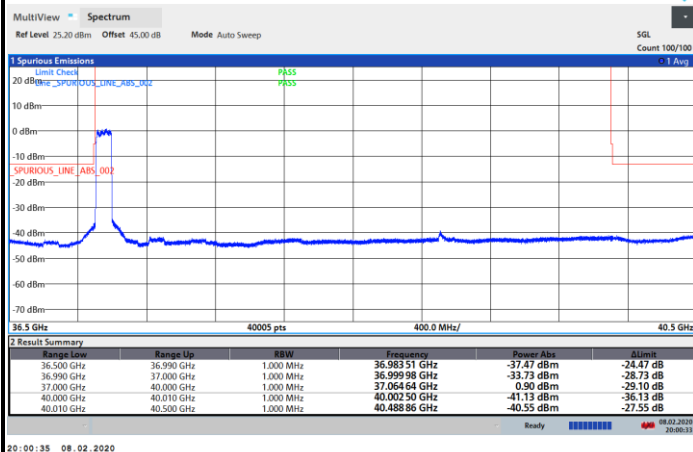




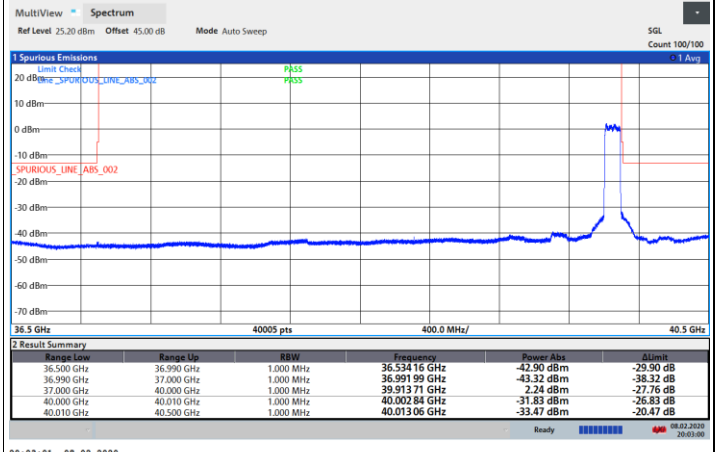
Module 1 AG1

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

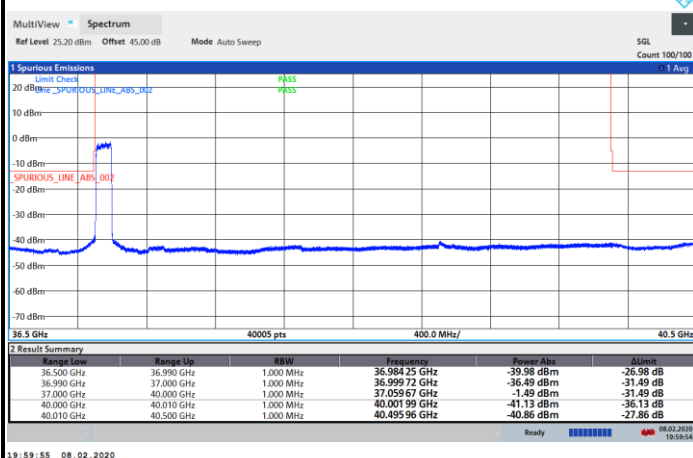


Highest Band Edge / Full RB

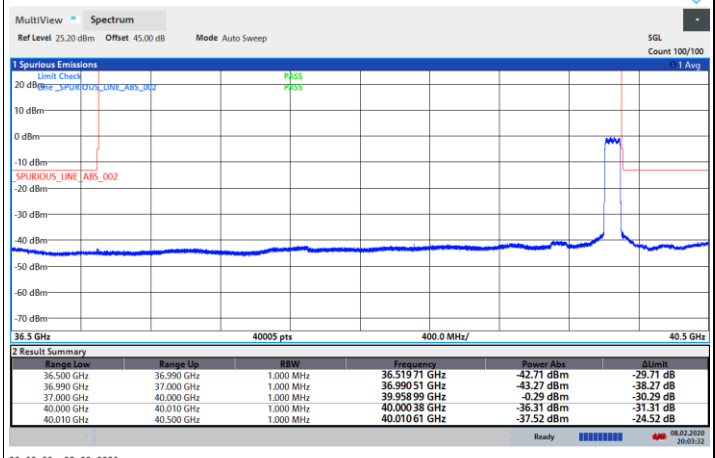


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

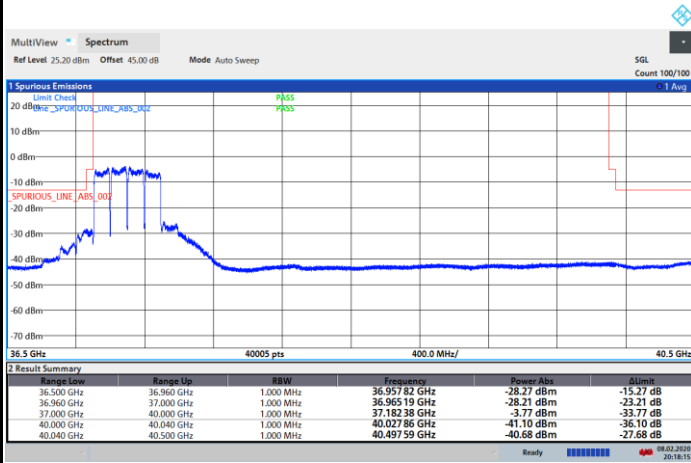




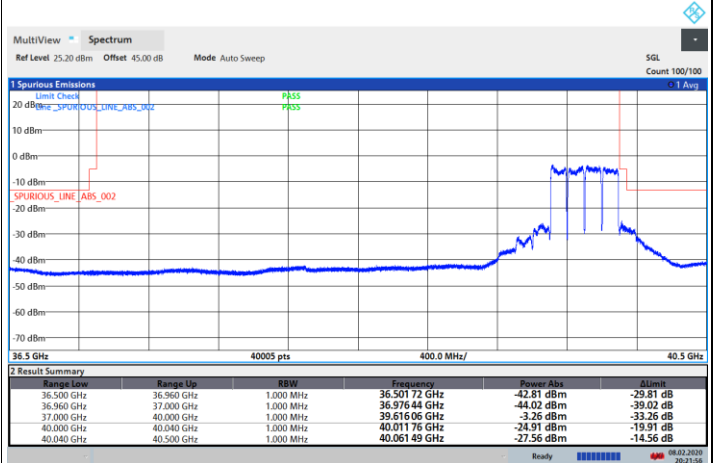
Module 1 AG1

NR Band n260 / 400MHz / QPSK

Lowest Band Edge / Full RB

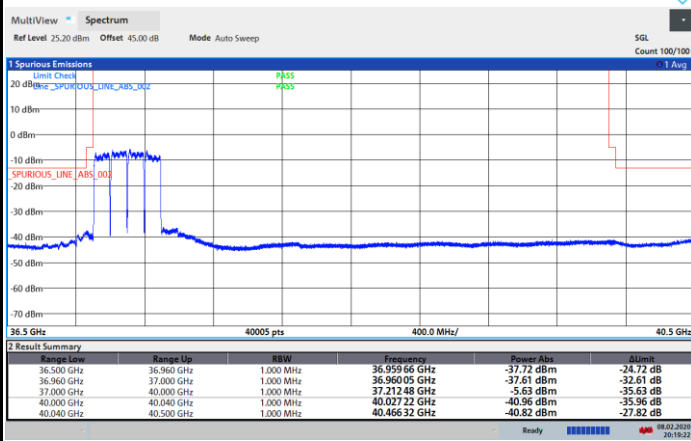


Highest Band Edge / Full RB

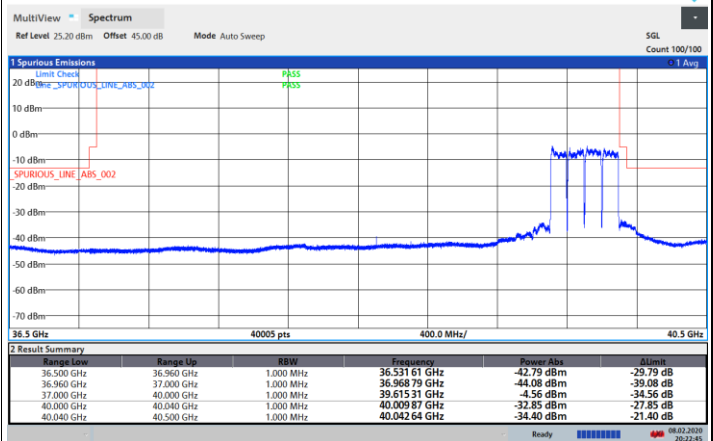


NR Band n260 / 400MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



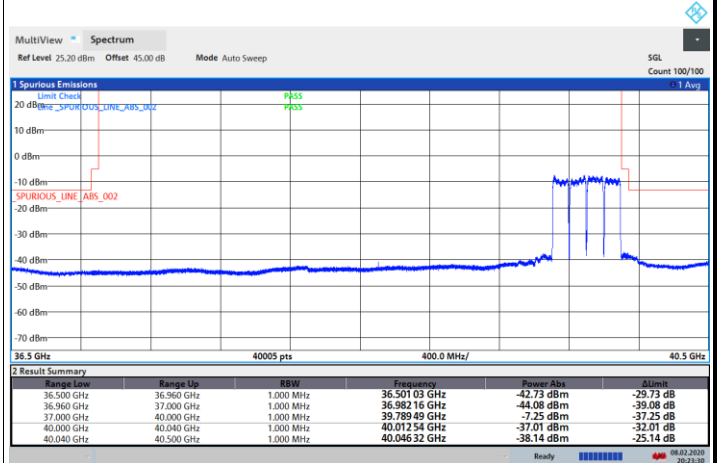
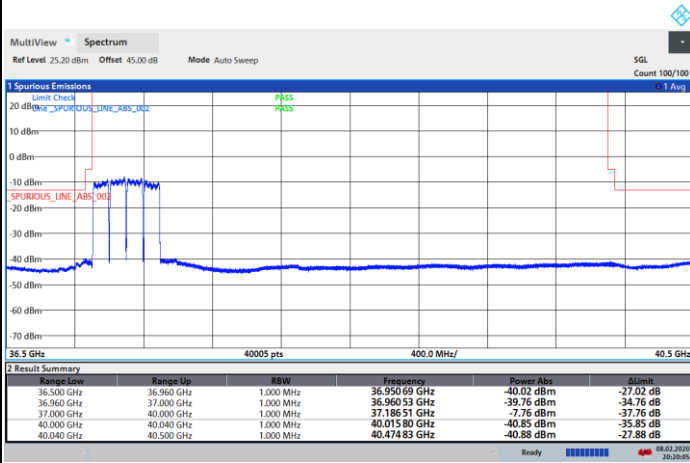


Module 1 AG1

NR Band n260 / 400MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





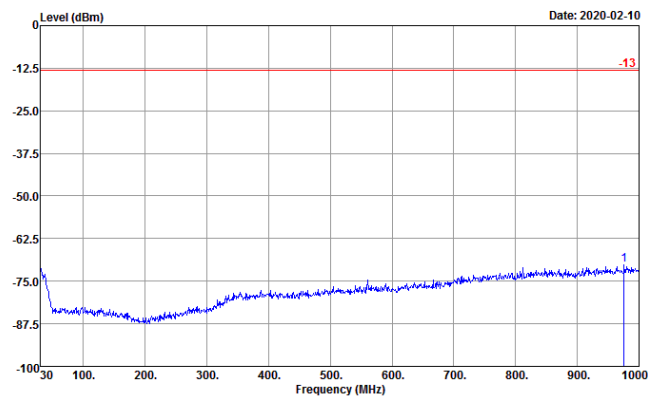
Spurious Emission

There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz.

Only the noise floor is reported.

NR Band n260 (30MHz-18GHz)

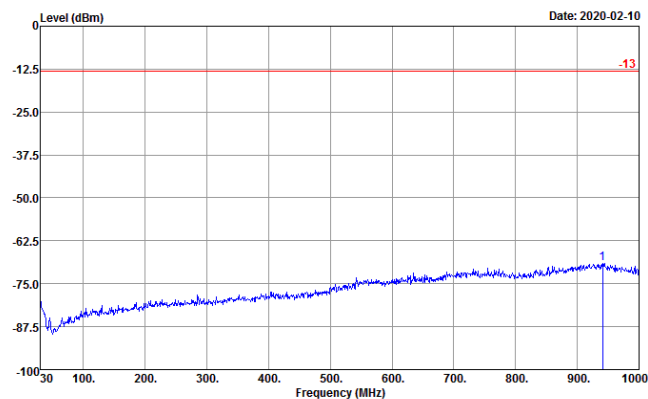
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 9D0635
: B151-50M-M-30-16 RSE-1R80-PUSCH-DFT-S

Freq	Level	Over Limit	Line Factor	LISN
MHz	dBm	dB	dBm	dB
975.75	-70.29	-57.29	-13.00	38.76

Vertical



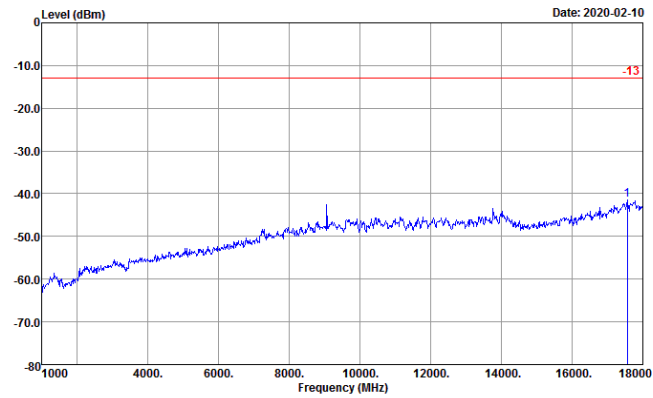
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 9D0635
: B151-50M-M-30-16 RSE-1R80-PUSCH-DFT-S

Freq	Level	Over Limit	Limit Line	LISN Factor
MHz	dBm	dB	dBm	dB
940.83	-68.94	-55.94	-13.00	40.71



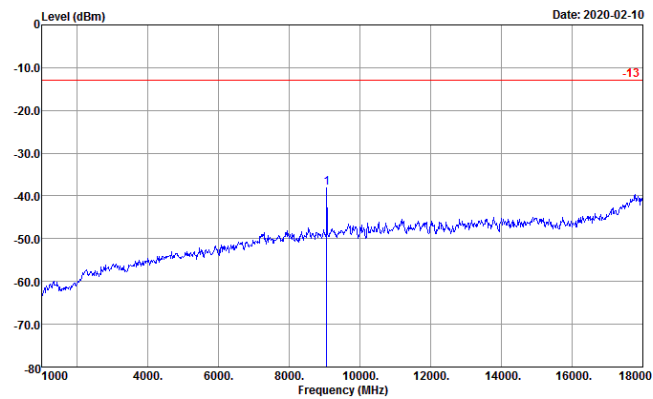
NR Band n260 (1GHz-18GHz)

Horizontal



Site	: 03CH10-HY				
Condition	: -13 EIRP_WO HORIZONTAL				
Project	: 9D0635				
	: B151-50M-M-30-16 RSE-1RB0-PUSCH-DFT-S				
	Freq	Level	Over	Limit	LISN
	MHz	dBm	dB	dBm	dB
1	17558.00	-41.41	-28.41	-13.00	72.65

Vertical

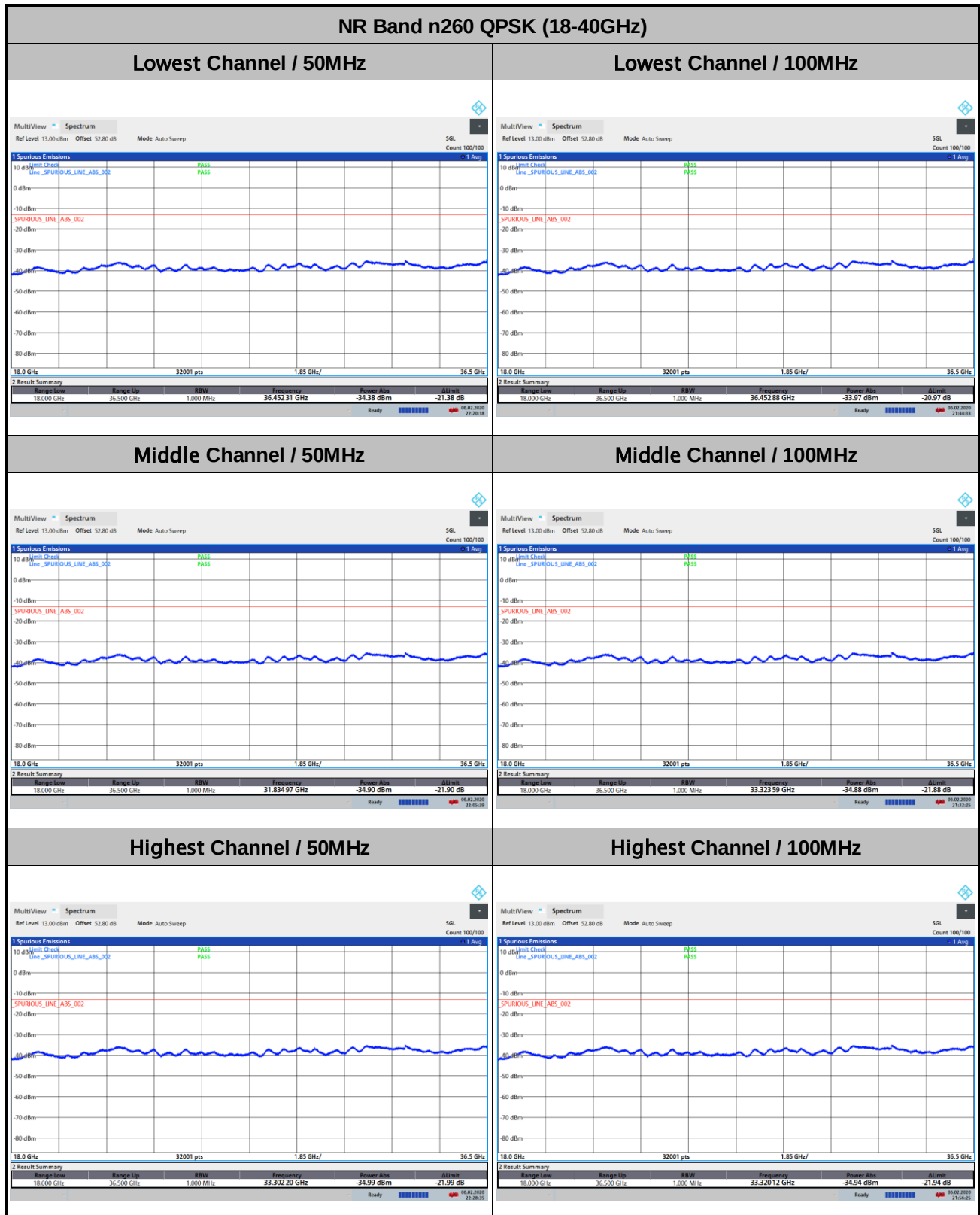


Site	: 03CH10-HY				
Condition	: -13 EIRP_WO VERTICAL				
Project	: 9D0635				
	: B151-50M-M-30-16 RSE-1RB0-PUSCH-DFT-S				
	Freq	Level	Over	Limit	LISN
	MHz	dBm	dB	dBm	dB
1	9058.00	-38.19	-25.19	-13.00	60.95



Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

Module 0 AGO



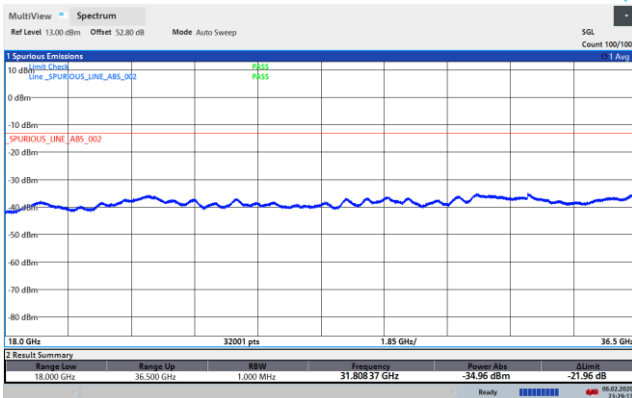
Remark: In band and out of band frequencies are omitted.



Module 0 AGO

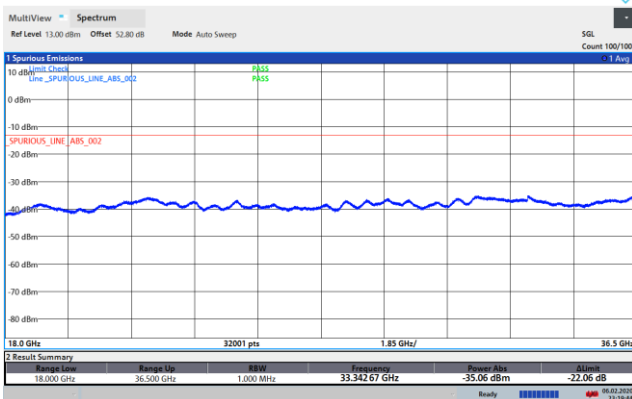
NR Band n260 QPSK (18-40GHz)

Lowest Channel / 400MHz



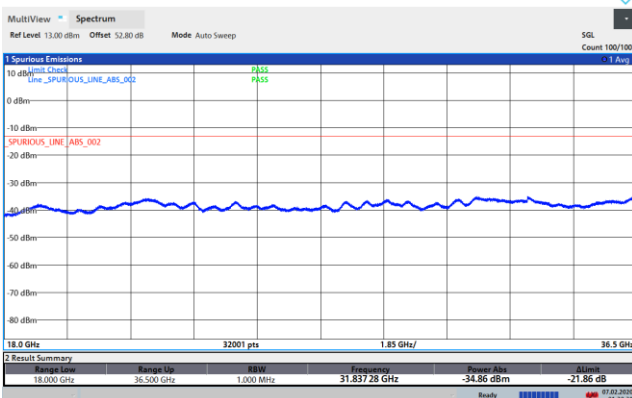
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz

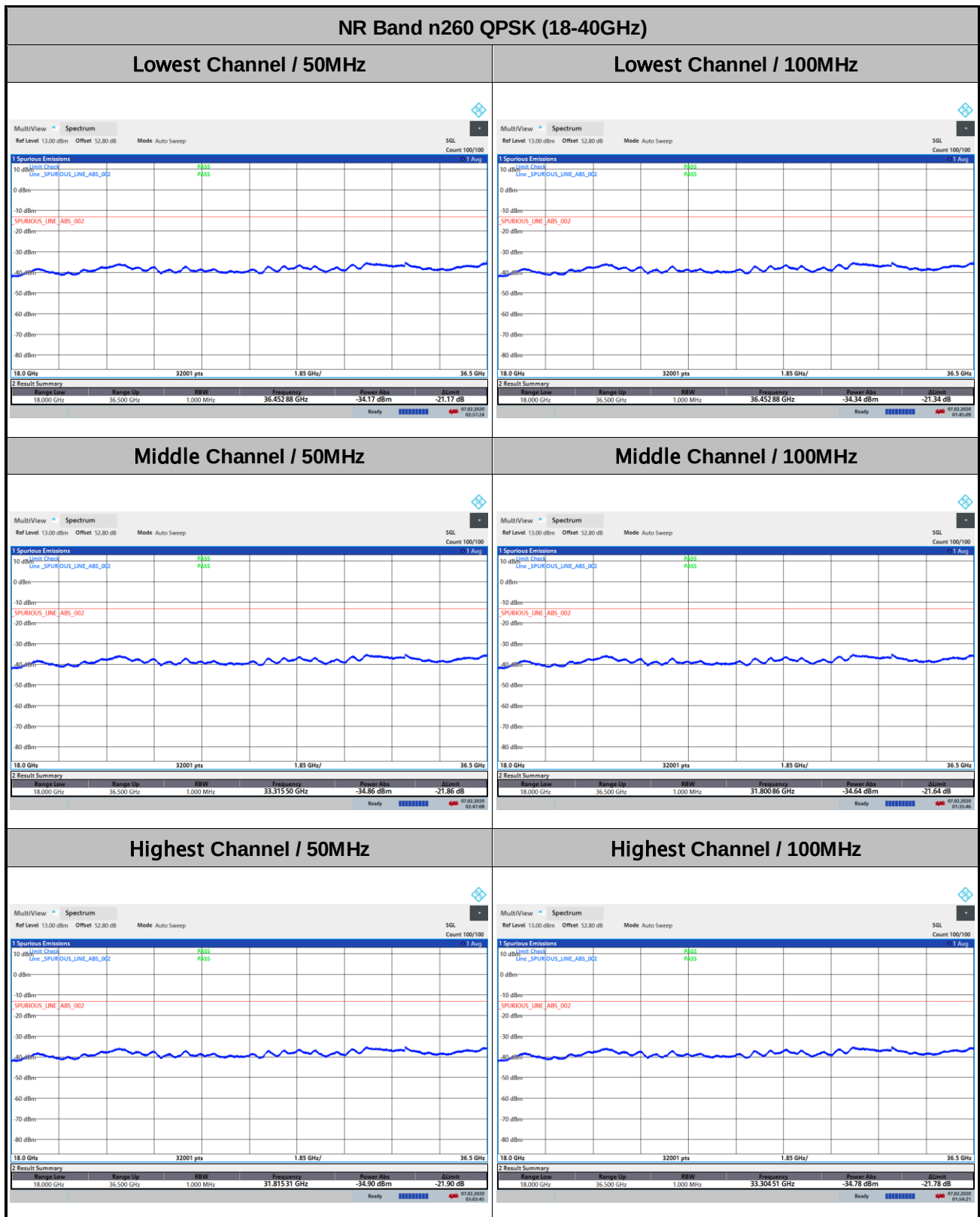


intentionally blank

Remark: In band and out of band frequencies are omitted.



Module 0 AG1



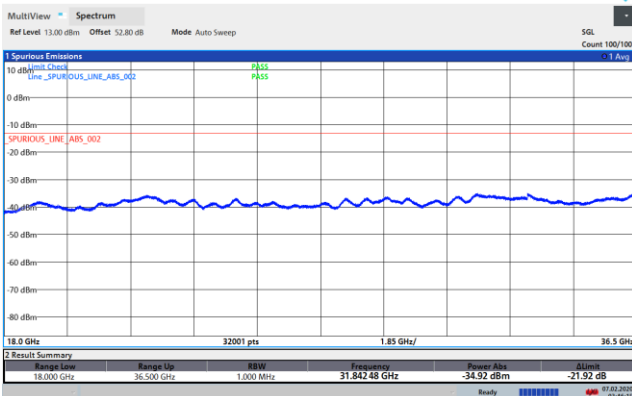
Remark: In band and out of band frequencies are omitted.



Module 0 AG1

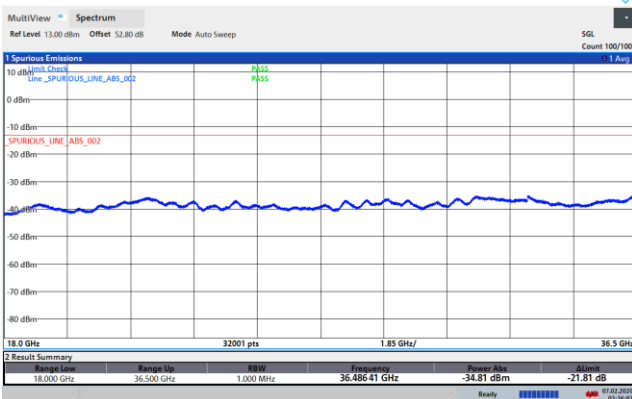
NR Band n260 QPSK (18-40GHz)

Lowest Channel / 400MHz



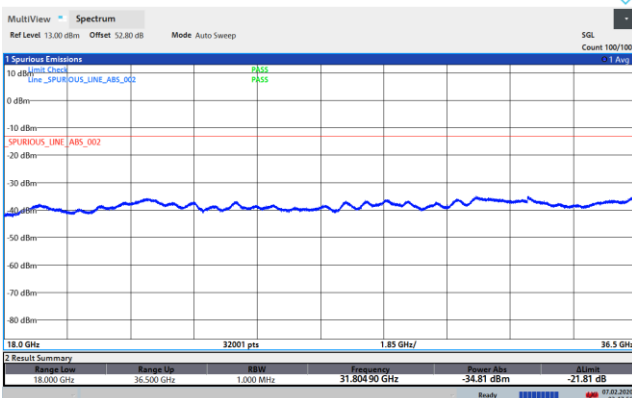
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz

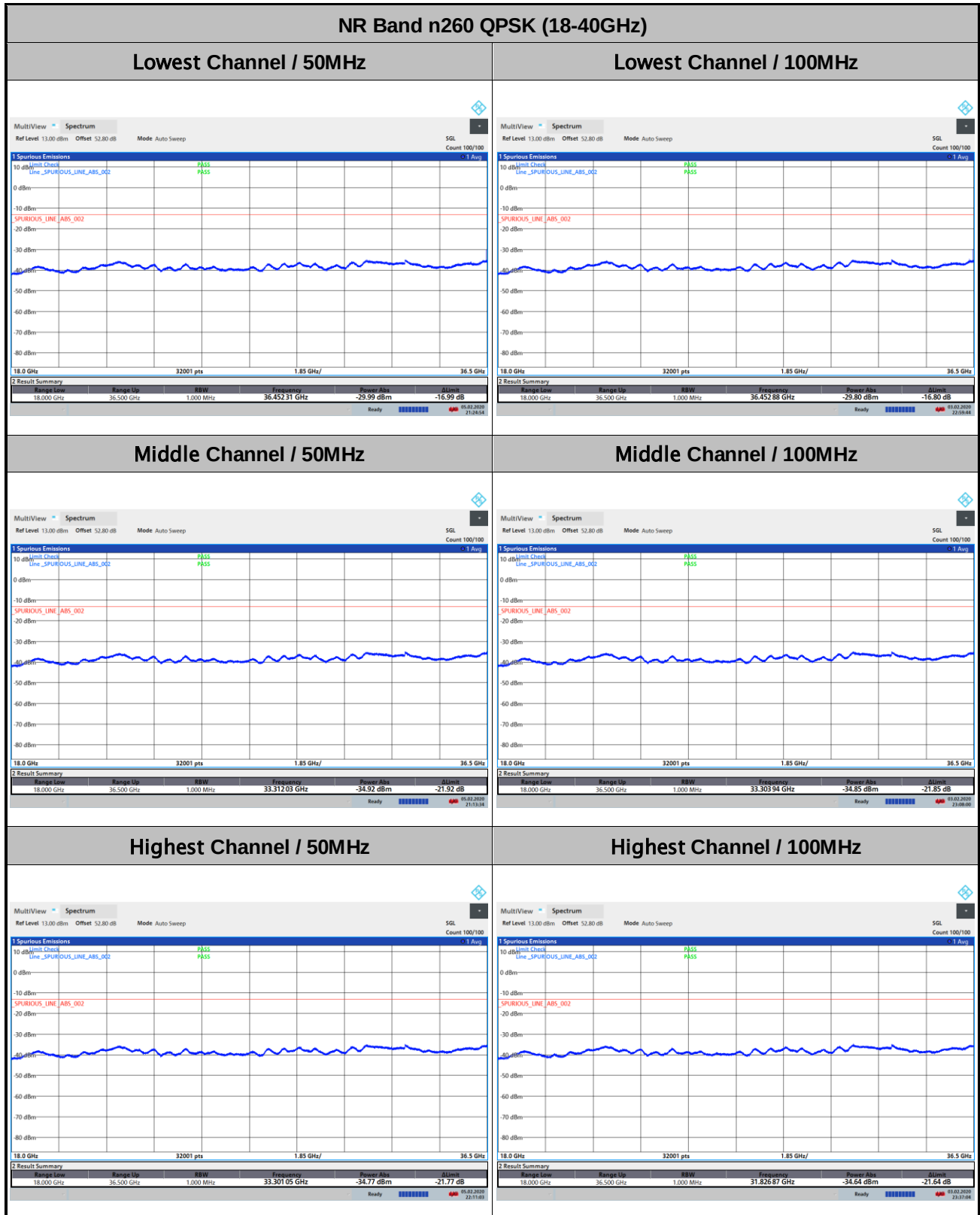


intentionally blank

Remark: In band and out of band frequencies are omitted.



Module 1 AGO



Remark: In band and out of band frequencies are omitted.



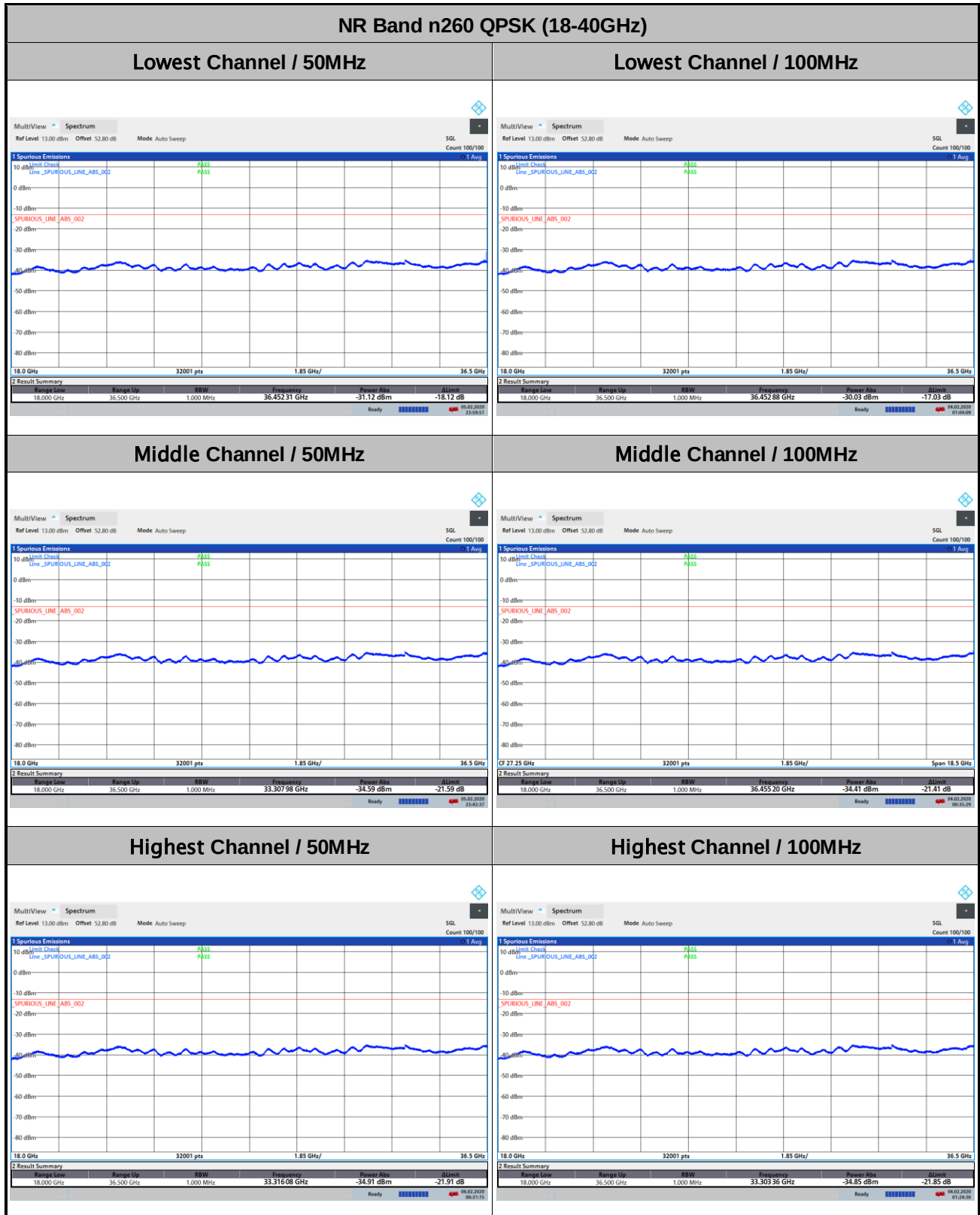
Module 1 AG0

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 400MHz	
MultViewSpectrum Ref Level 13.00 dBm Offset 52.80 dB Mode Auto Sweep SGL Count 100/100 1 Spurious Emissions 10 dBm Channel Line_SPURIOUS_LINE_ABS_002 PASS PASS SPURIOUS_LINE_ABS_002 intentionally blank	
Middle Channel / 400MHz	
MultViewSpectrum Ref Level 13.00 dBm Offset 52.80 dB Mode Auto Sweep SGL Count 100/100 1 Spurious Emissions 10 dBm Channel Line_SPURIOUS_LINE_ABS_002 PASS PASS SPURIOUS_LINE_ABS_002 intentionally blank	
Highest Channel / 400MHz	
MultViewSpectrum Ref Level 13.00 dBm Offset 52.80 dB Mode Auto Sweep SGL Count 100/100 1 Spurious Emissions 10 dBm Channel Line_SPURIOUS_LINE_ABS_002 PASS PASS SPURIOUS_LINE_ABS_002 intentionally blank	

Remark: In band and out of band frequencies are omitted.



Module 1 AG1



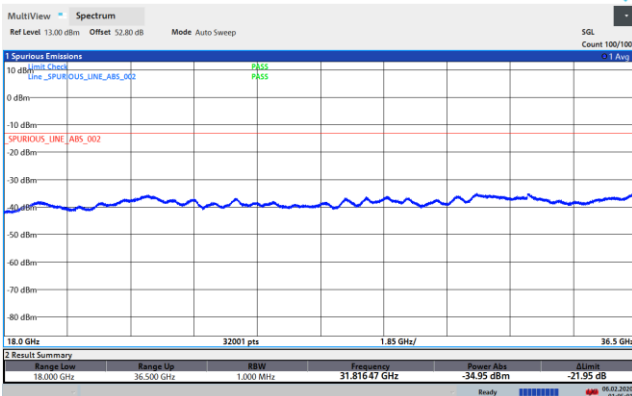
Remark: In band and out of band frequencies are omitted.



Module 1 AG1

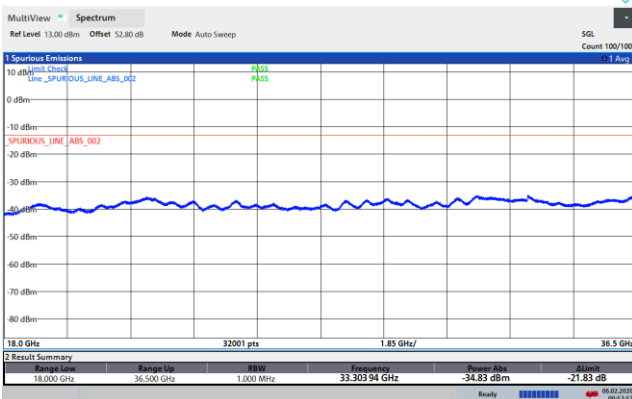
NR Band n260 QPSK (18-40GHz)

Lowest Channel / 400MHz



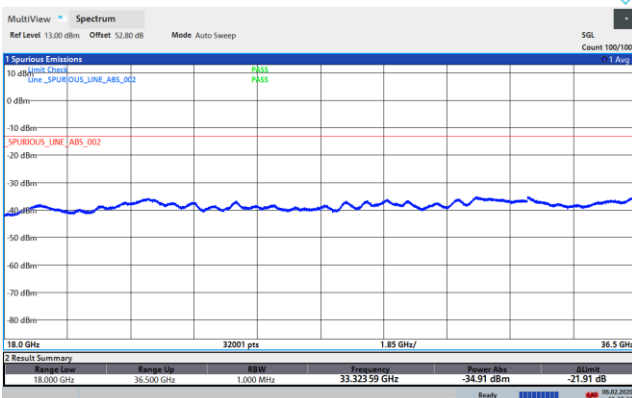
intentionally blank

Middle Channel / 400MHz



intentionally blank

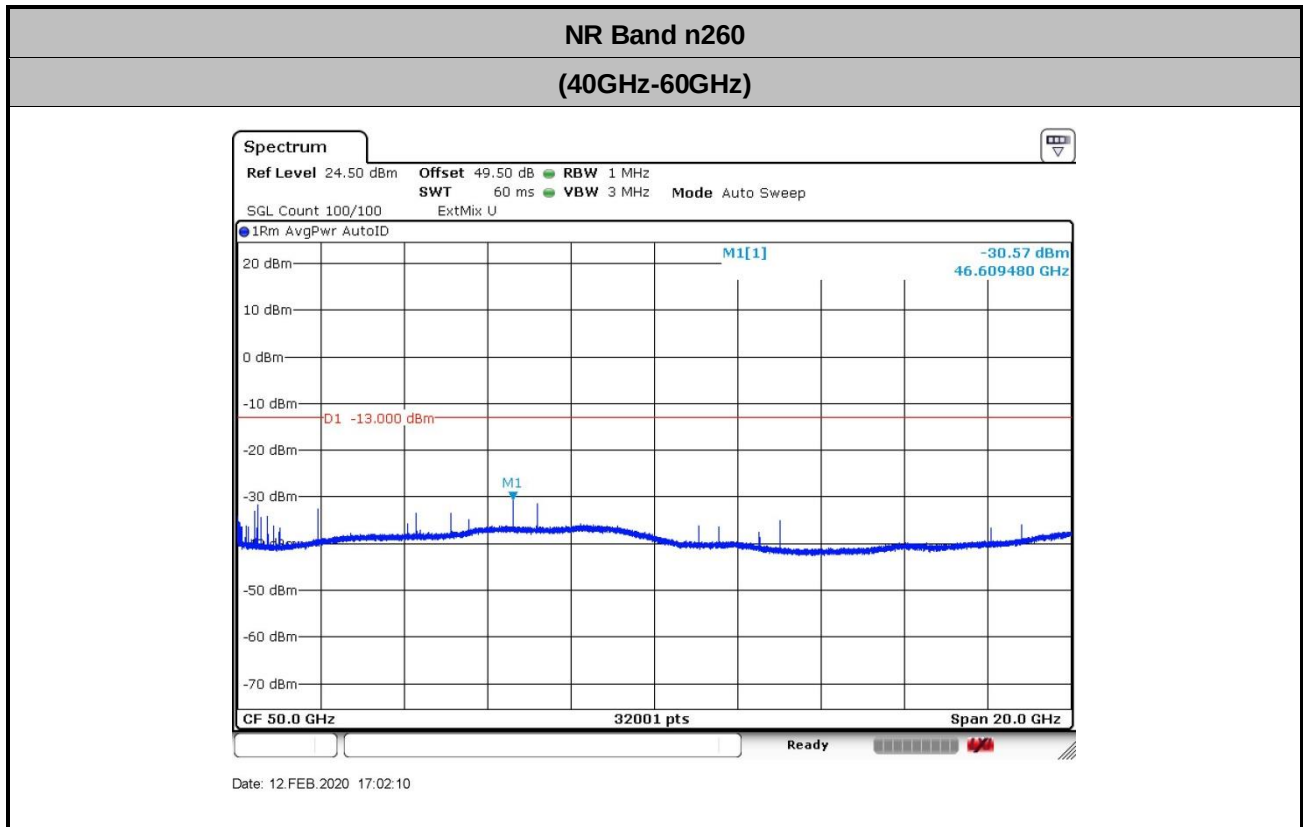
Highest Channel / 400MHz



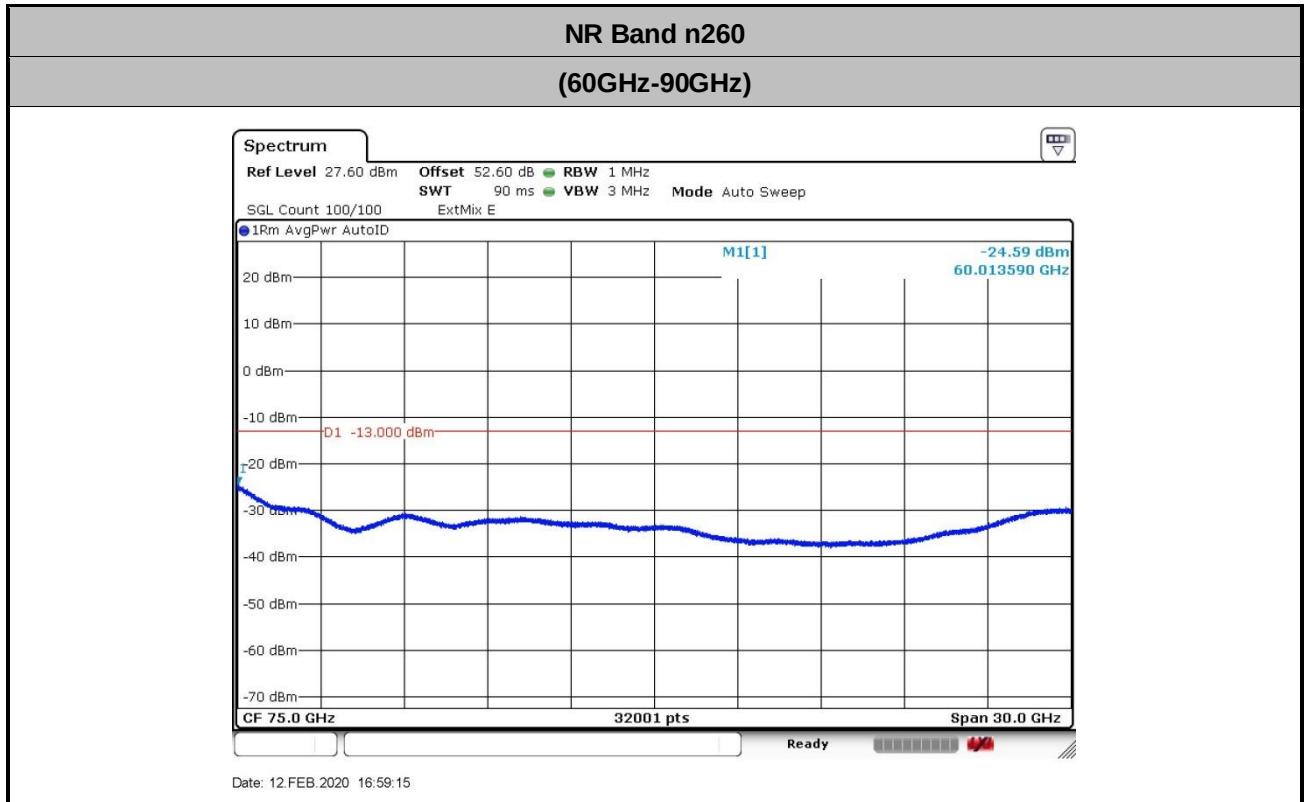
intentionally blank

Remark: In band and out of band frequencies are omitted.

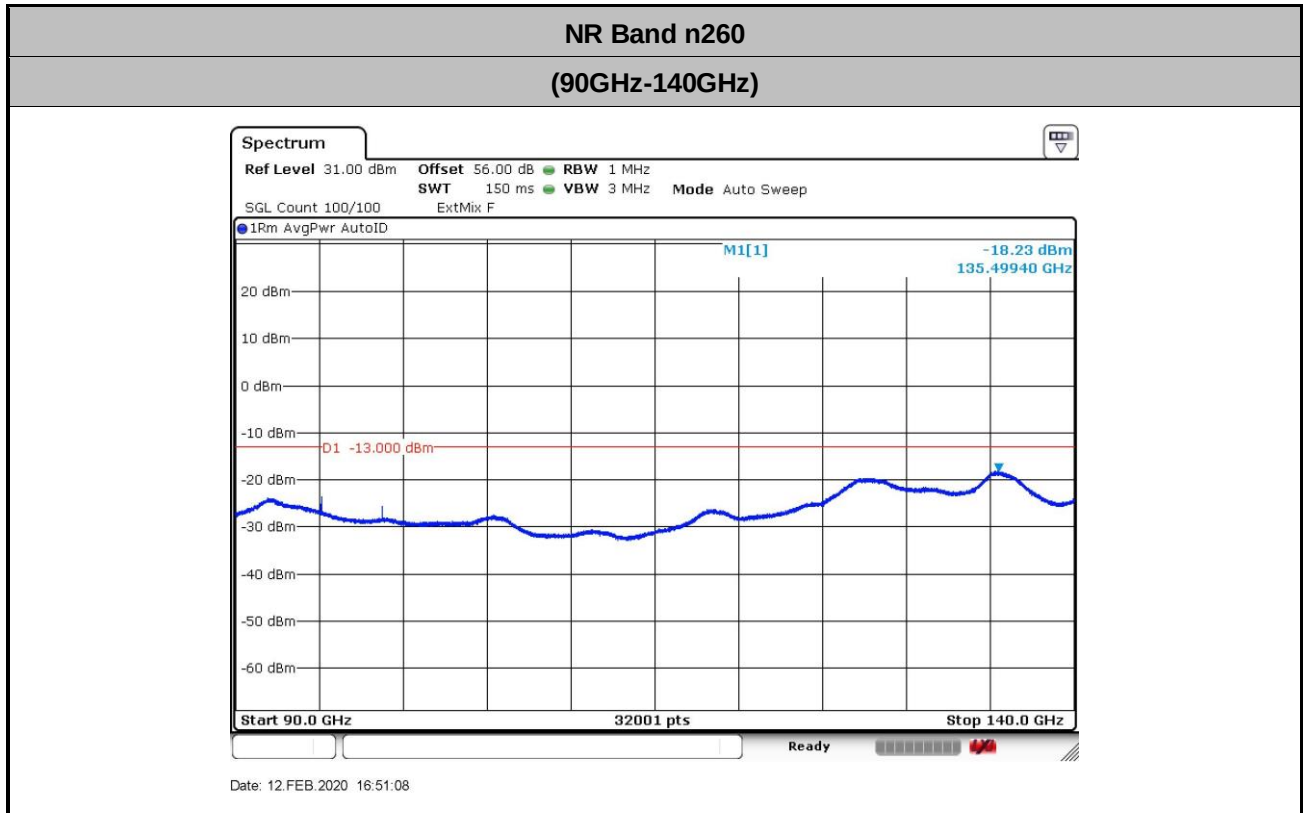
The worst case spurious emission signal found for frequency started from 40GHz up to 200GHz is shown as below. The test result is measured with single beam enabled and plus 3dB dual beam factor. The test result complies with the spurious emission limit.



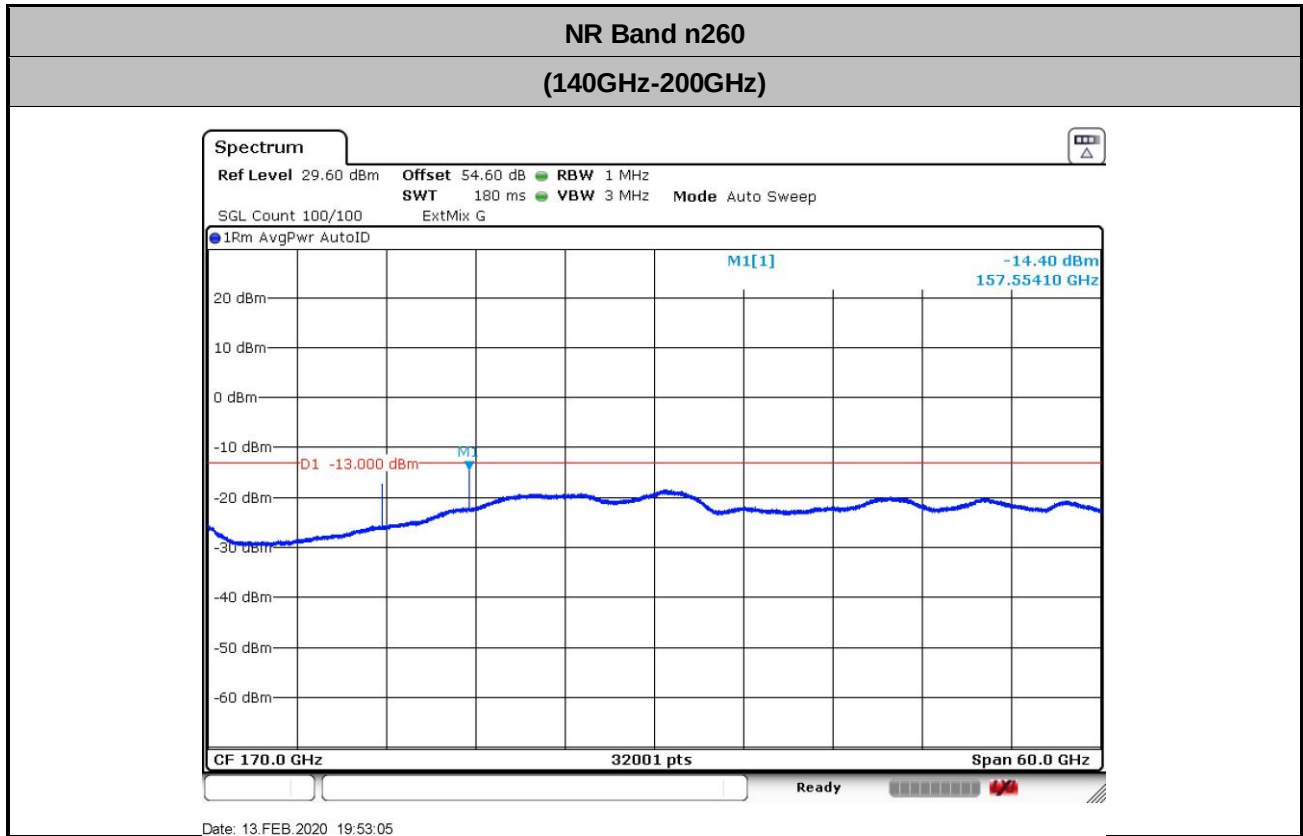
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + 3\text{dB dual beam factor} \\ &= 42.3 + 2 + 107 + 20\log(1) - 104.8 + 3 = 49.5 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + 3\text{dB dual beam factor} \\ &= 45.4 + 2 + 107 + 20\log(1) - 104.8 + 3 = 52.6 \text{ (dB)} \end{aligned}$$



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + 3\text{dB dual beam factor} \\
 &= 48.8 + 2 + 107 + 20\log(1) - 104.8 + 3 = 56 \text{ (dB)}
 \end{aligned}$$



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + 3\text{dB dual beam factor} \\
 &= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 + 3 = 54.6 \text{ (dB)}
 \end{aligned}$$

Frequency Stability

Test Conditions		NR Band n260 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	Frequency (GHz)	CW tone Deviation (kHz)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	38.49889409	0.90	0.02	PASS
40	Normal Voltage	38.49889299	-0.20	-0.01	
30	Normal Voltage	38.49889349	0.30	0.01	
20(Ref.)	Normal Voltage	38.49889319	0.00	0.00	
10	Normal Voltage	38.49889229	-0.90	-0.02	
0	Normal Voltage	38.49889119	-2.00	-0.05	
-10	Normal Voltage	38.49889059	-2.60	-0.07	
-20	Normal Voltage	38.49889079	-2.40	-0.06	
-30	Normal Voltage	38.49889099	-2.20	-0.06	
20	Maximum Voltage	38.49889239	-0.80	-0.02	
20	Normal Voltage	38.49889319	0.00	0.00	
20	Battery End Point	38.49889199	-1.20	-0.03	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the operation band.
3. The test result at the next page provides confidence that the maximum frequency deviation will not lead to out of band operation during normal and extreme condition.



NR Band n261

Occupied Bandwidth

Mode	Module 0 AG0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.6	45.06	45.26	91.2	90.40	90.64	386.24	384.96	385.12
Middle CH	45.64	45.08	45.26	90.72	90.20	90.28	385.76	383.84	384.48
Highest CH	45.64	45.08	45.30	91.00	90.08	90.60	386.72	385.28	385.92

Mode	Module 0 AG1 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.46	45.02	45.24	90.88	90.20	90.56	384.64	383.36	383.52
Middle CH	45.52	45.04	45.22	90.92	90.12	90.56	384.48	382.72	383.04
Highest CH	45.48	45.02	45.24	90.96	90.12	90.60	385.76	384.16	384.80

Mode	Module 1 AG0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.14	45.04	45.22	90.72	90.44	90.32	385.28	384.80	385.12
Middle CH	45.28	45.08	45.24	90.68	90.28	90.32	384.64	384.00	384.32
Highest CH	45.44	45.06	45.24	91.04	90.40	90.32	386.08	385.28	386.24

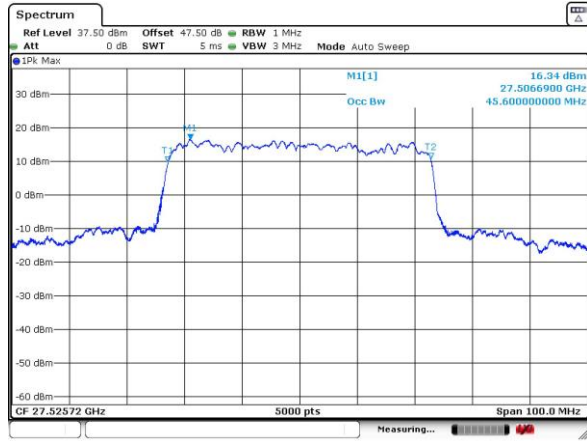
Mode	Module 1 AG1 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.42	45.12	45.24	90.72	90.40	90.56	385.28	384.48	384.64
Middle CH	45.50	45.14	45.26	90.68	90.36	90.52	384.80	383.52	384.00
Highest CH	45.48	45.14	45.28	90.64	90.56	90.64	387.04	385.92	385.76



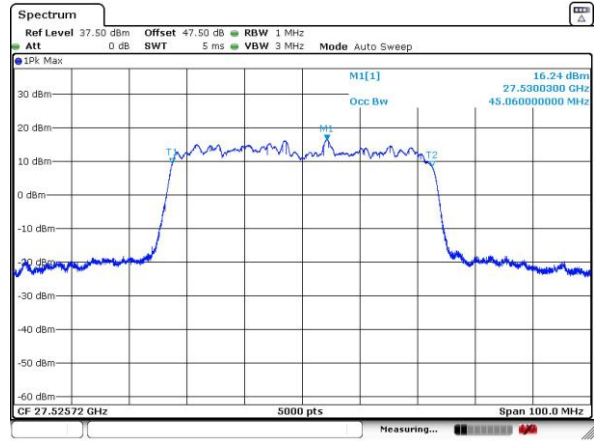
Module 0 AGO

NR Band n261

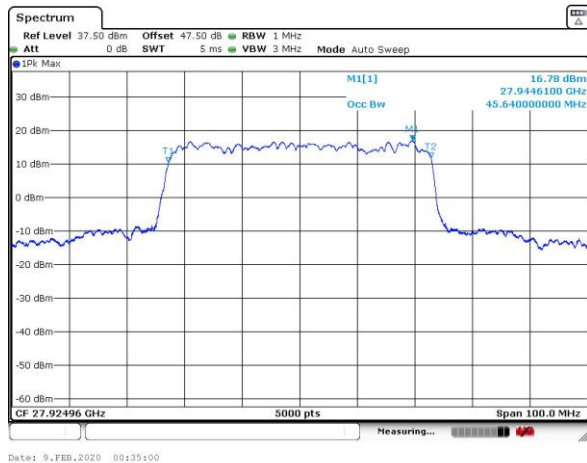
Lowest Channel / 50MHz / QPSK



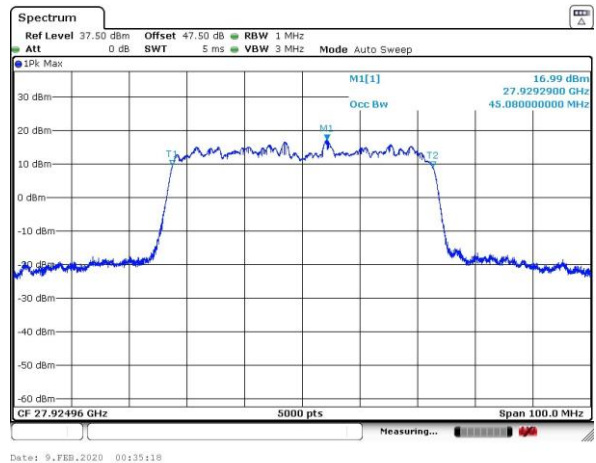
Lowest Channel / 50MHz / 16QAM



Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

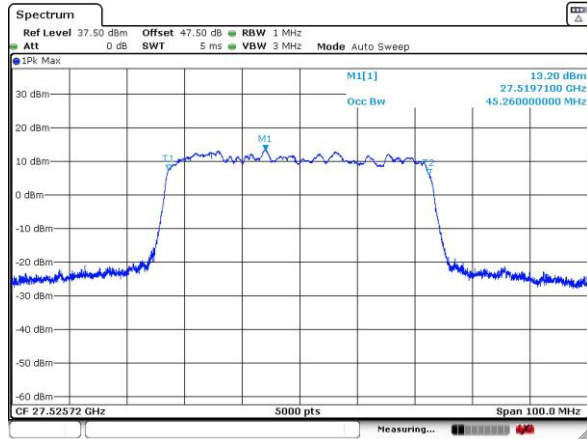




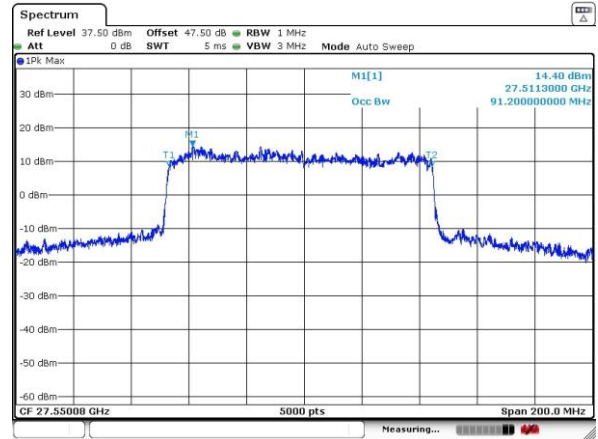
Module 0 AGO

NR Band n261

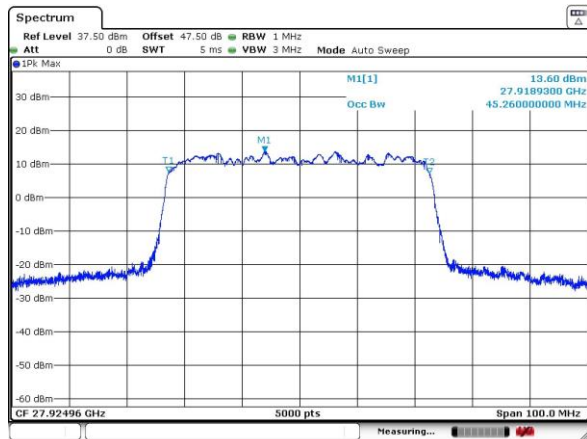
Lowest Channel / 50MHz / 64QAM



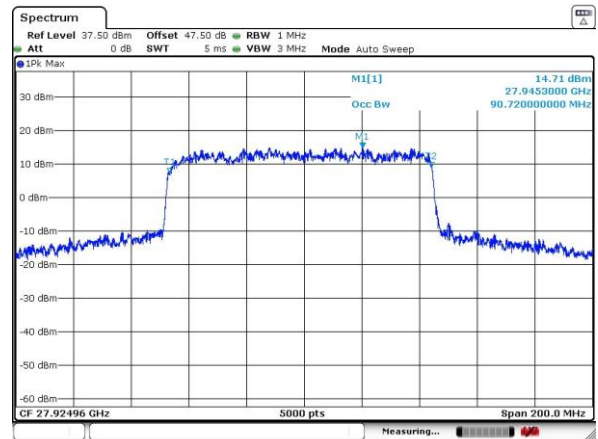
Lowest Channel / 100MHz / QPSK



Middle Channel / 50MHz / 64QAM



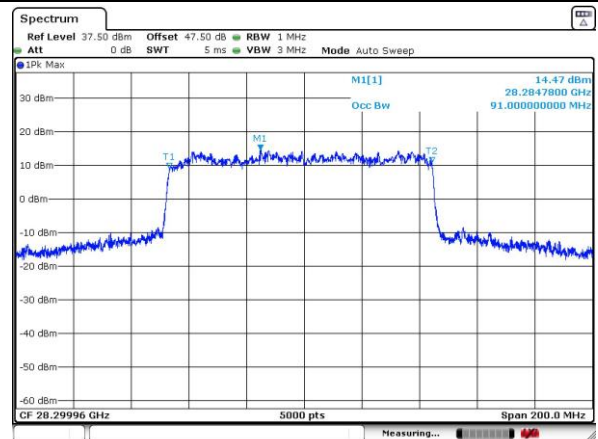
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

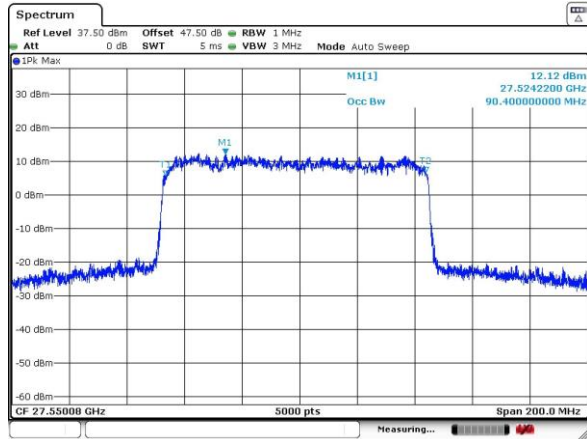




Module 0 AGO

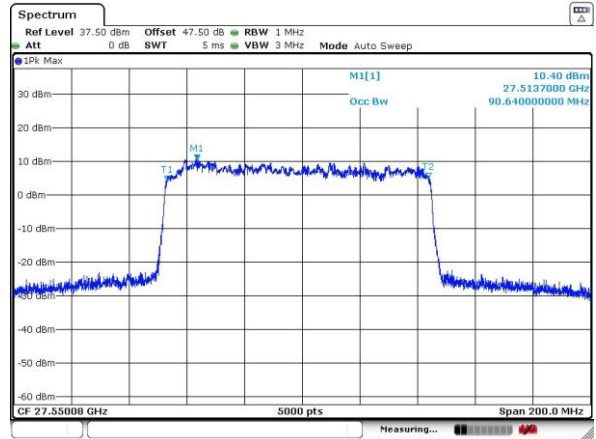
NR Band n261

Lowest Channel / 100MHz / 16QAM



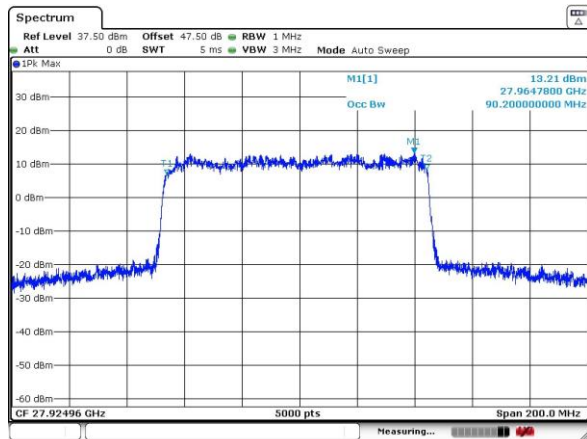
Date: 8.FEB.2020 23:49:43

Lowest Channel / 100MHz / 64QAM



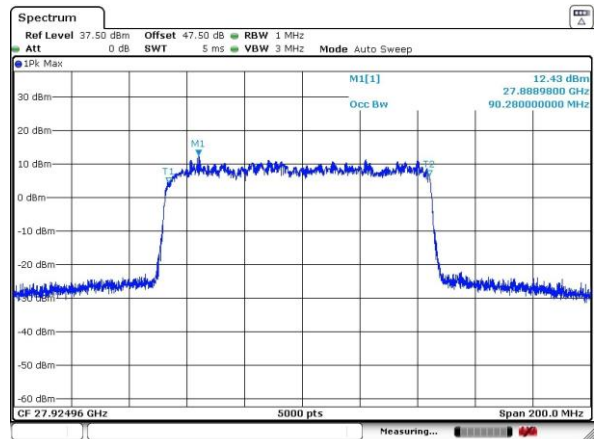
Date: 8.FEB.2020 23:50:05

Middle Channel / 100MHz / 16QAM



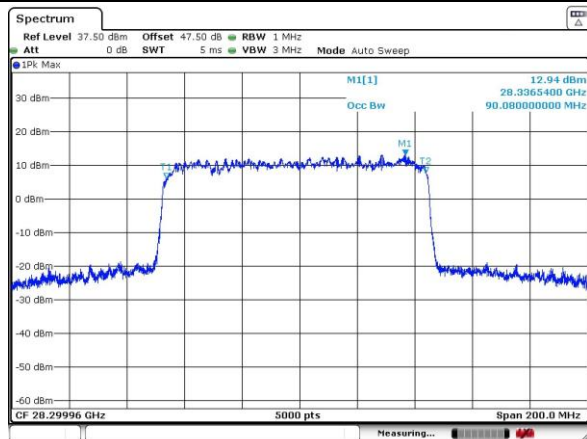
Date: 8.FEB.2020 23:58:53

Middle Channel / 100MHz / 64QAM



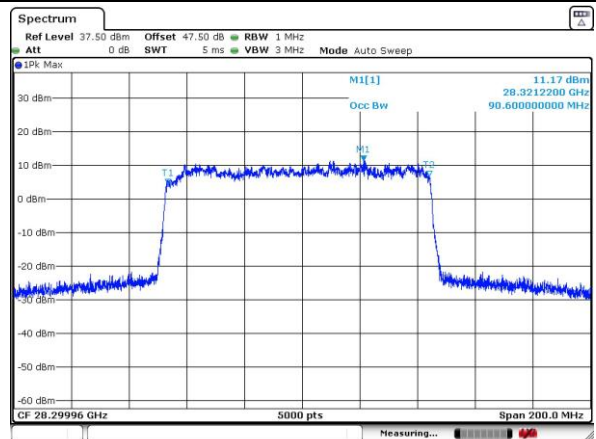
Date: 8.FEB.2020 23:59:13

Highest Channel / 100MHz / 16QAM



Date: 9.FEB.2020 00:08:32

Highest Channel / 100MHz / 64QAM



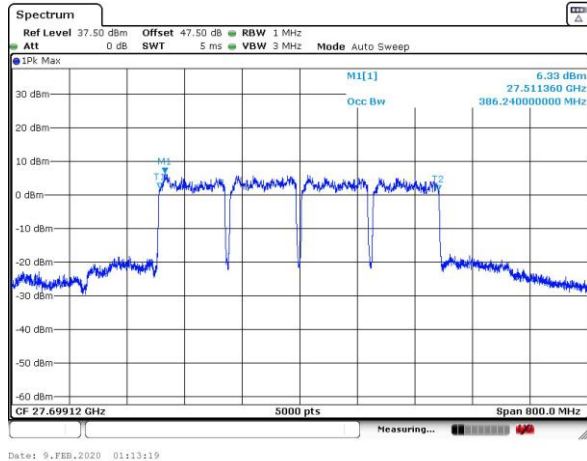
Date: 9.FEB.2020 00:08:57



Module 0 AGO

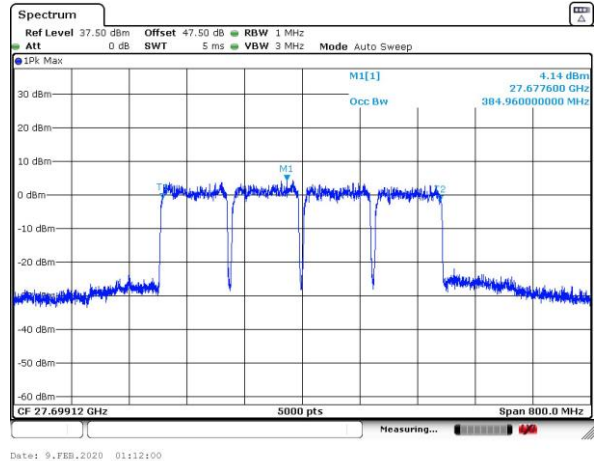
NR Band n261

Lowest Channel / 400MHz / QPSK



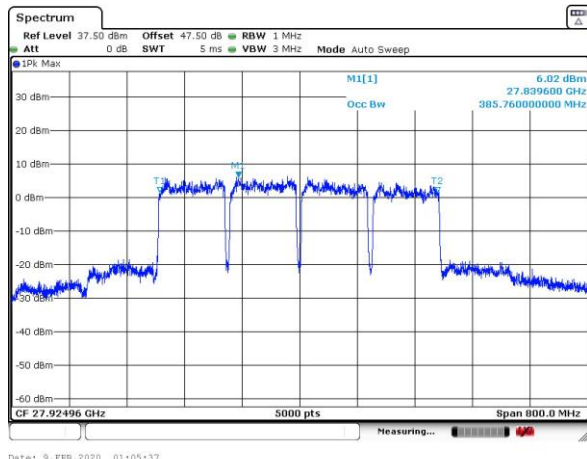
Date: 9.FEB.2020 01:13:19

Lowest Channel / 400MHz / 16QAM



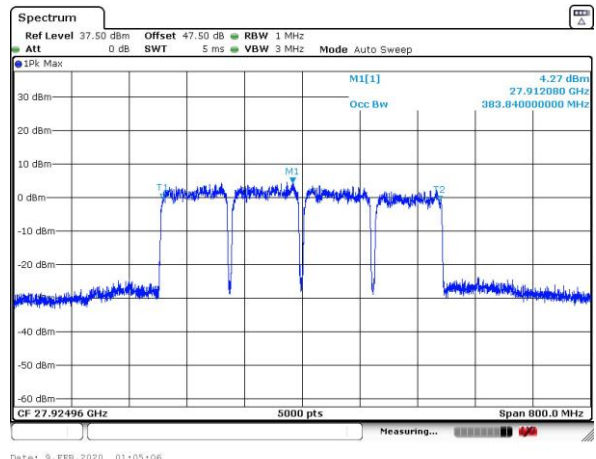
Date: 9.FEB.2020 01:12:00

Middle Channel / 400MHz / QPSK



Date: 9.FEB.2020 01:05:37

Middle Channel / 400MHz / 16QAM



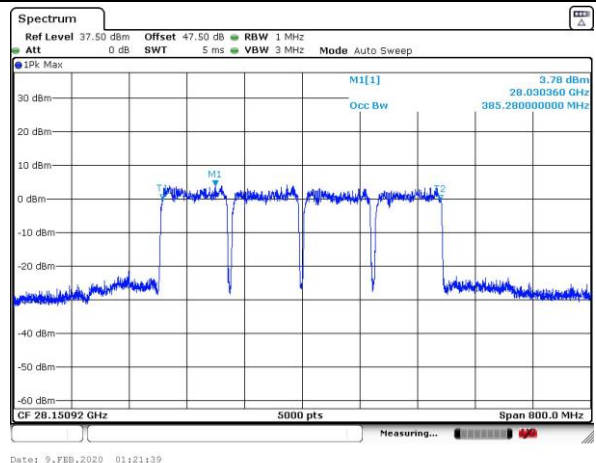
Date: 9.FEB.2020 01:05:06

Highest Channel / 400MHz / QPSK



Date: 9.FEB.2020 01:22:16

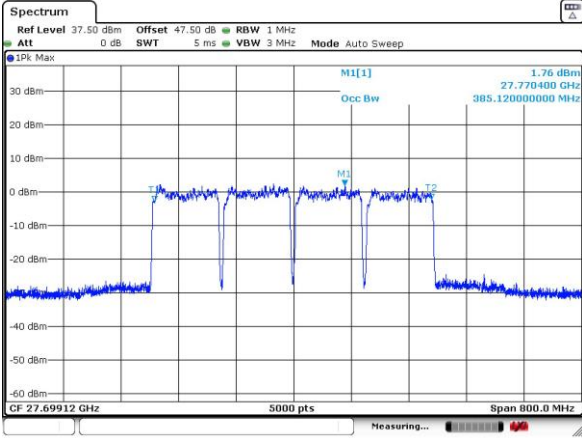
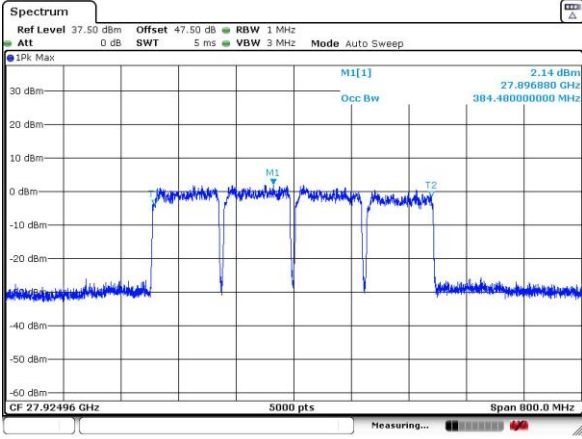
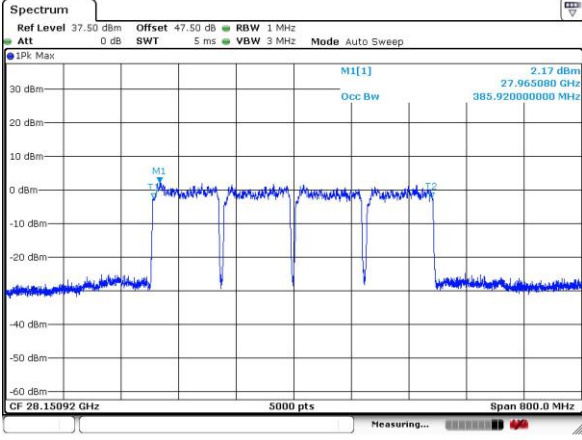
Highest Channel / 400MHz / 16QAM



Date: 9.FEB.2020 01:21:39



Module 0 AGO

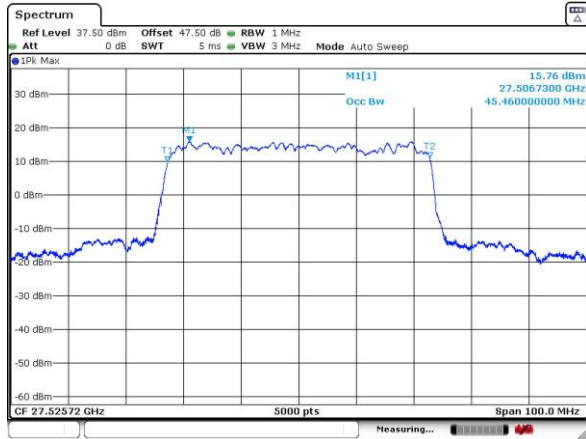
NR Band n261	
Lowest Channel / 400MHz / 64QAM	
 intentionally blank	
Middle Channel / 400MHz / 64QAM	
 intentionally blank	
Highest Channel / 400MHz / 64QAM	
 intentionally blank	



Module 0 AG1

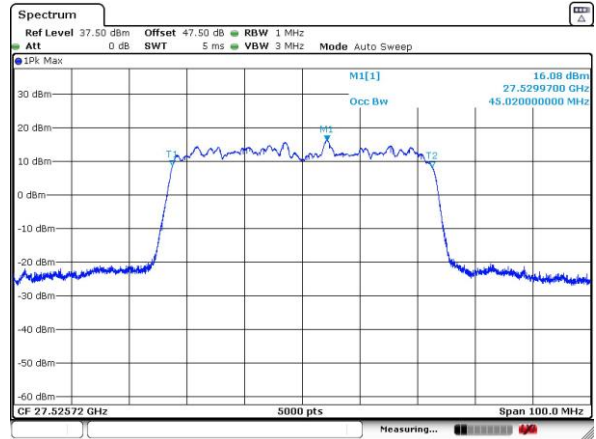
NR Band n261

Lowest Channel / 50MHz / QPSK



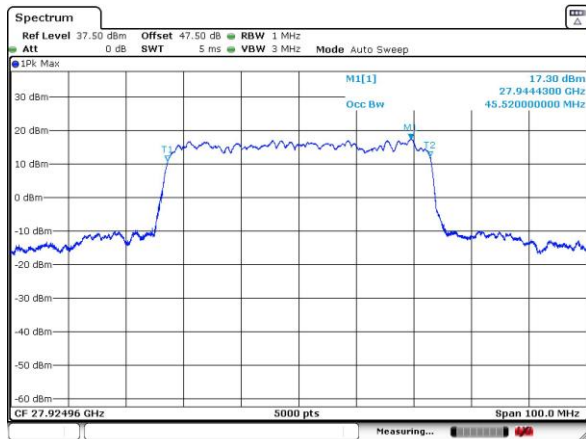
Date: 9.FEB.2020 03:27:39

Lowest Channel / 50MHz / 16QAM



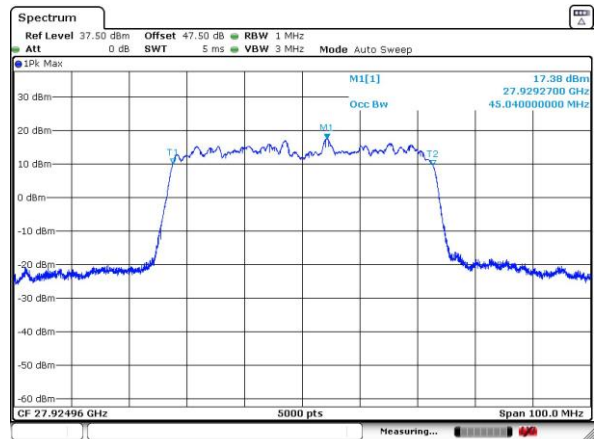
Date: 9.FEB.2020 03:28:08

Middle Channel / 50MHz / QPSK



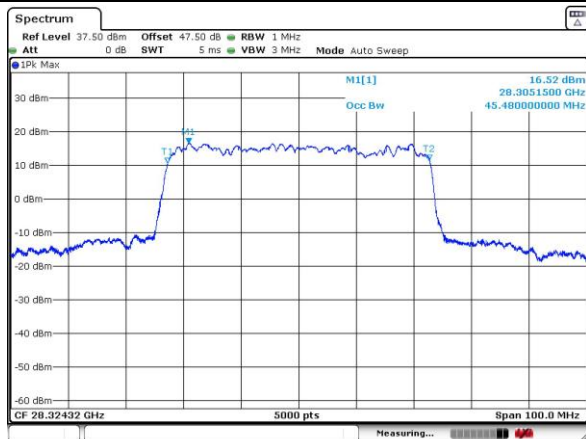
Date: 9.FEB.2020 02:41:54

Middle Channel / 50MHz / 16QAM



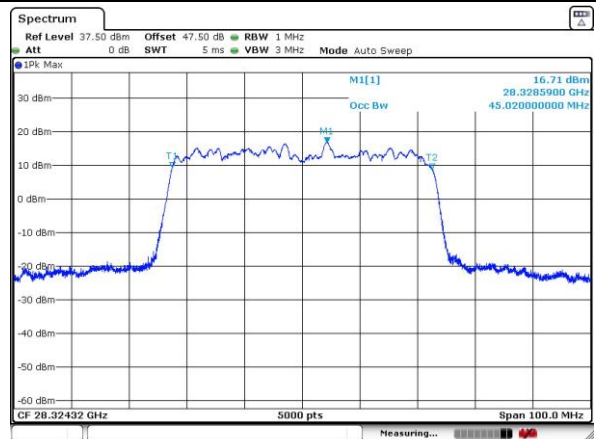
Date: 9.FEB.2020 02:42:27

Highest Channel / 50MHz / QPSK



Date: 9.FEB.2020 02:30:57

Highest Channel / 50MHz / 16QAM



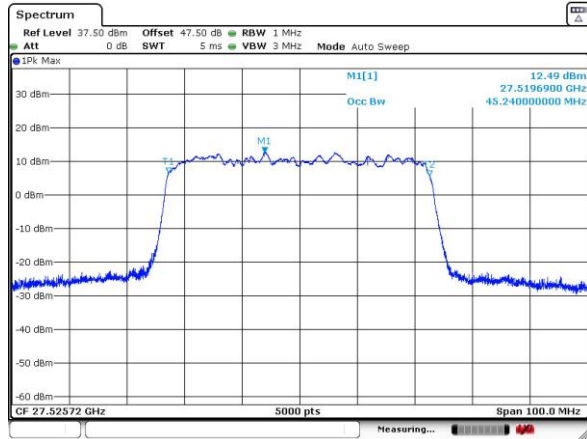
Date: 9.FEB.2020 02:31:25



Module 0 AG1

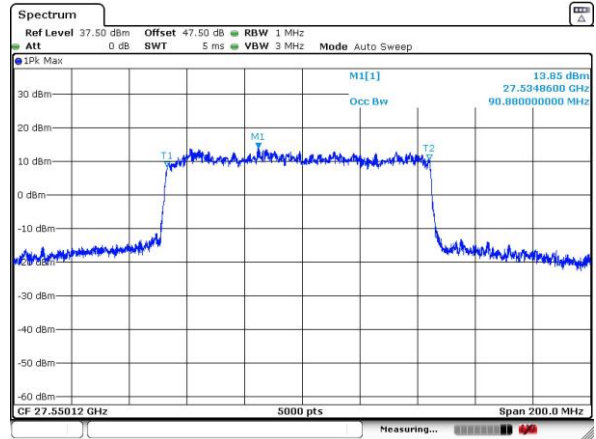
NR Band n261

Lowest Channel / 50MHz / 64QAM



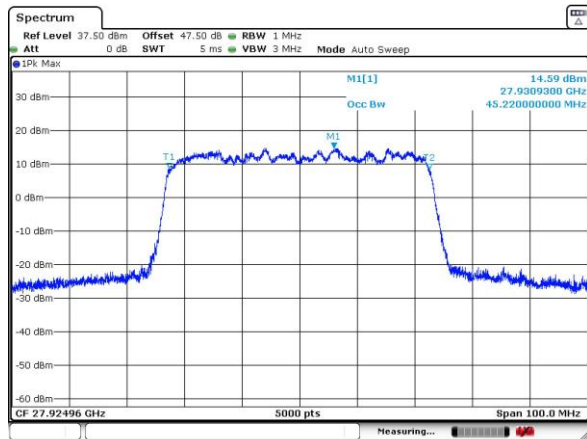
Date: 9.FEB.2020 03:28:29

Lowest Channel / 100MHz / QPSK



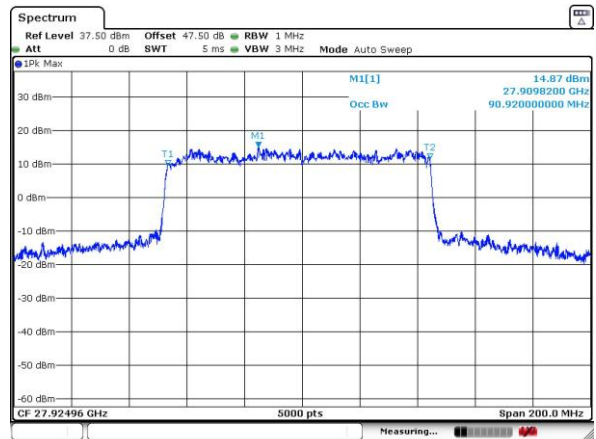
Date: 9.FEB.2020 01:52:48

Middle Channel / 50MHz / 64QAM



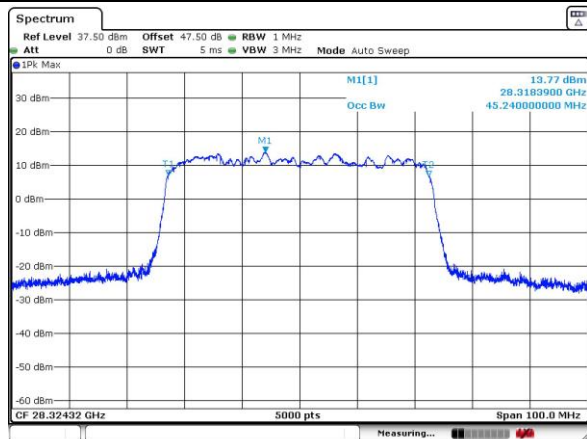
Date: 9.FEB.2020 02:42:49

Middle Channel / 100MHz / QPSK



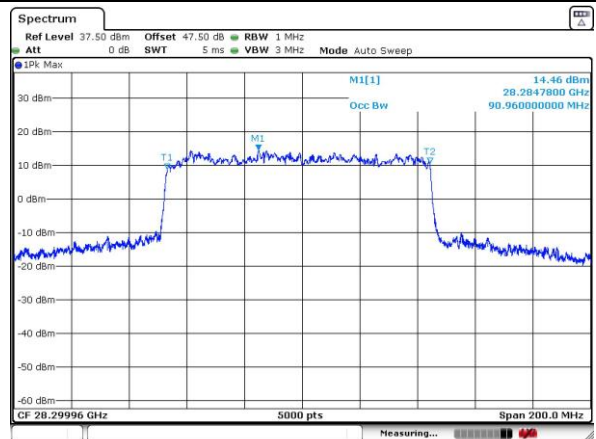
Date: 9.FEB.2020 01:44:30

Highest Channel / 50MHz / 64QAM



Date: 9.FEB.2020 02:31:48

Highest Channel / 100MHz / QPSK



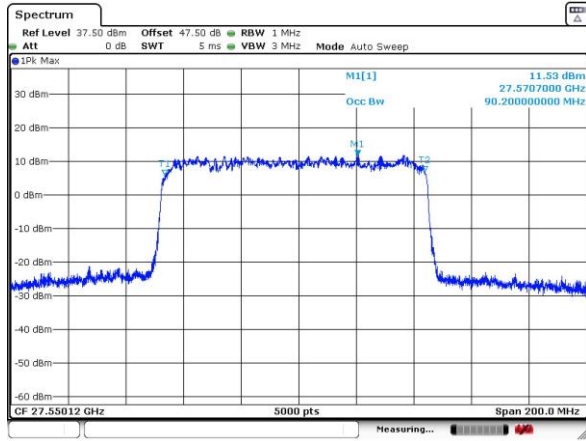
Date: 9.FEB.2020 02:19:06



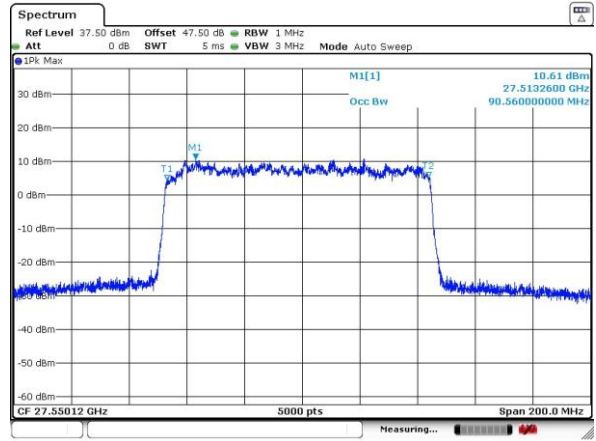
Module 0 AG1

NR Band n261

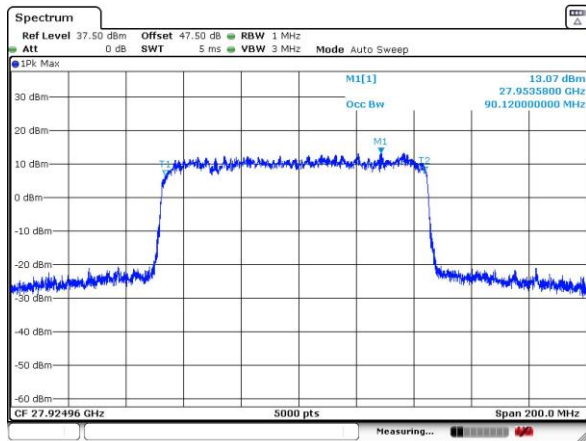
Lowest Channel / 100MHz / 16QAM



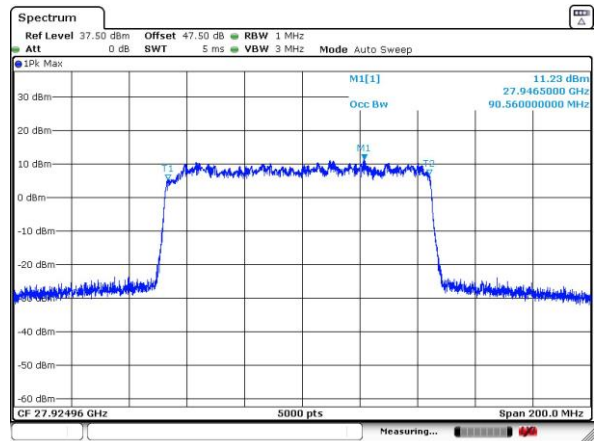
Lowest Channel / 100MHz / 64QAM



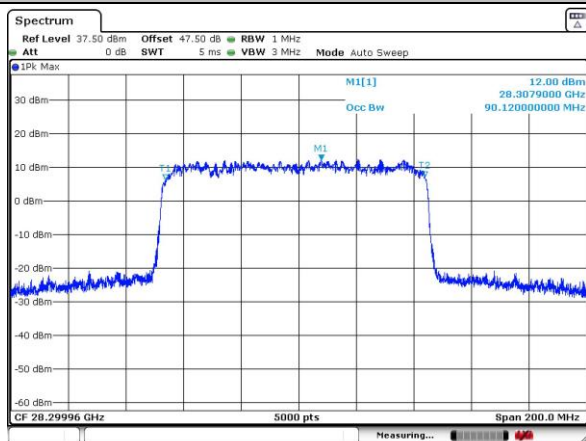
Middle Channel / 100MHz / 16QAM



Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

