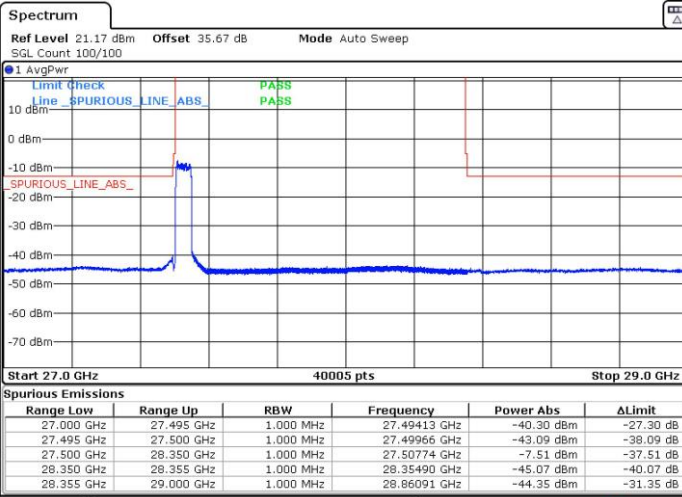




CP-OFDM Module 0

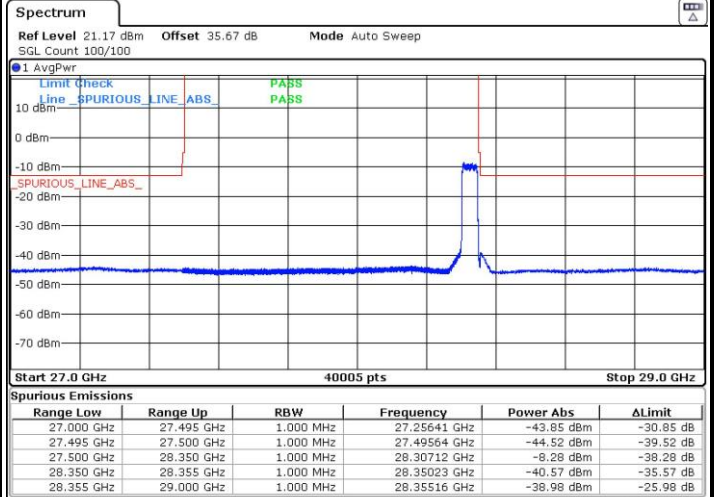
NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB



Date: 25.APR.2020 19:48:53

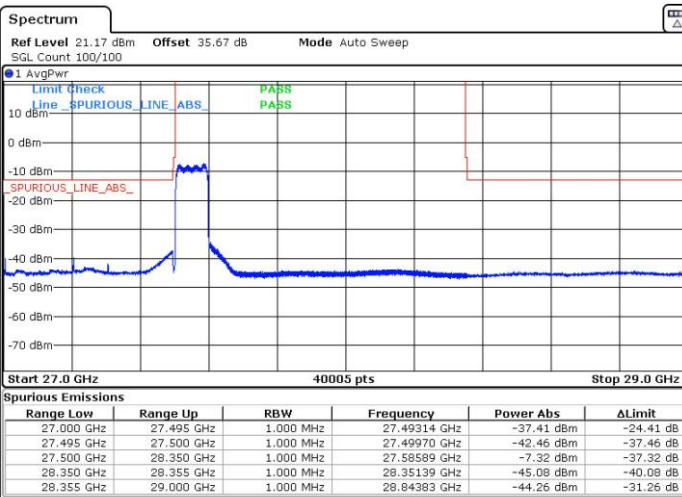
Highest Band Edge / Full RB



Date: 27.APR.2020 14:03:50

NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Date: 25.APR.2020 21:01:17

Highest Band Edge / Full RB



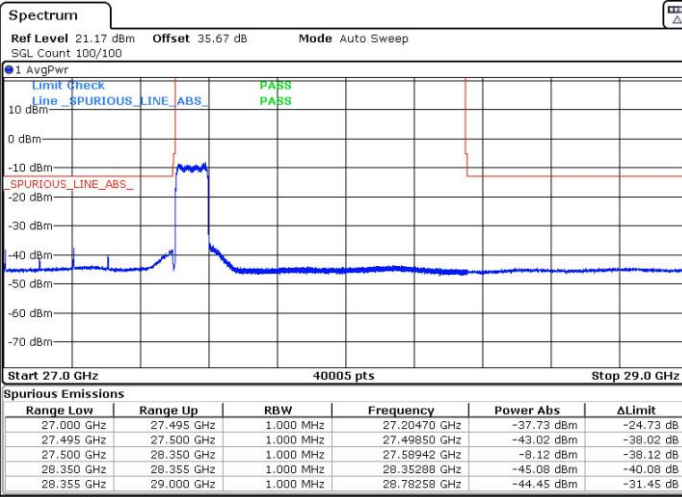
Date: 26.APR.2020 03:35:19



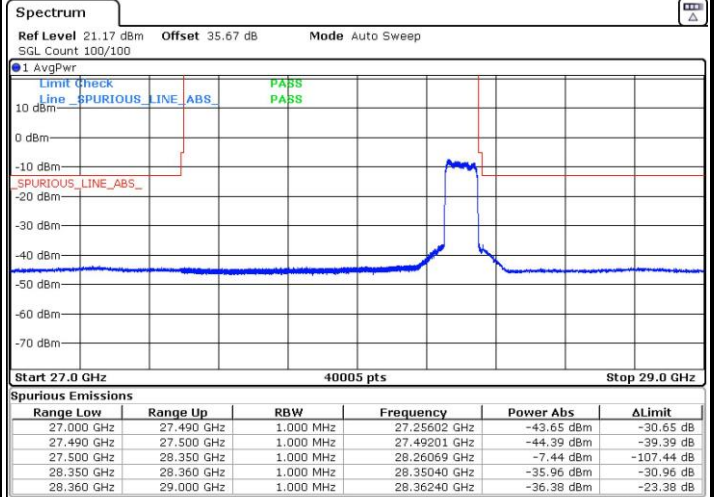
CP-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

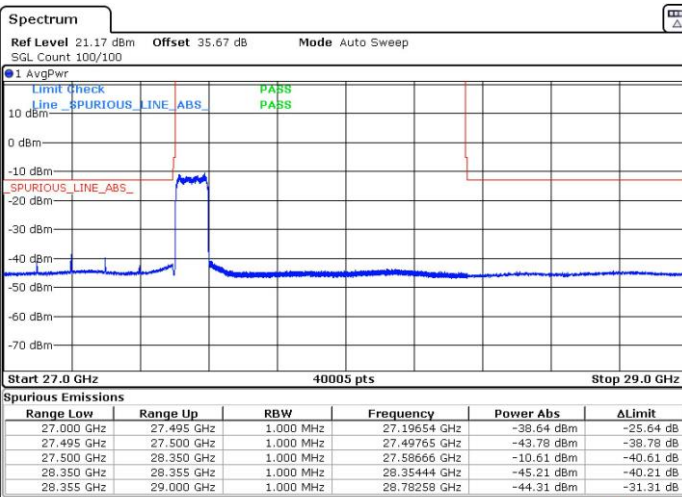


Highest Band Edge / Full RB

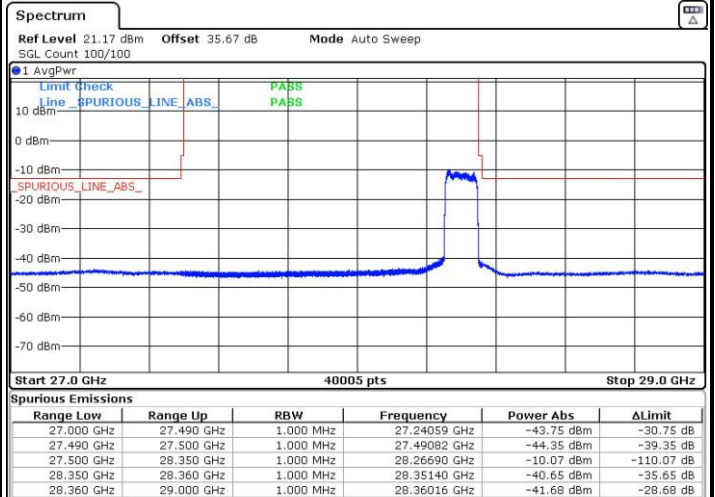


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



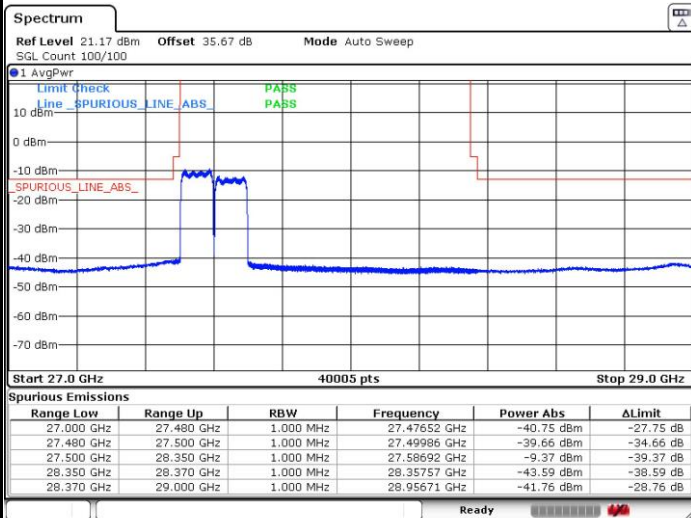


CP-OFDM Module 0

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



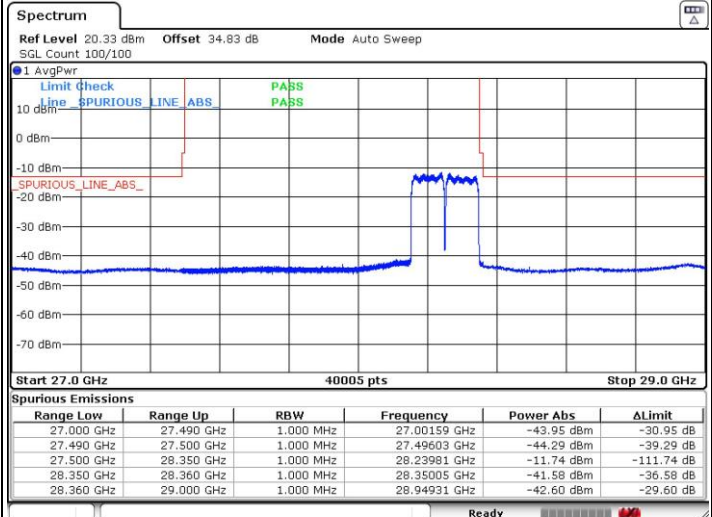
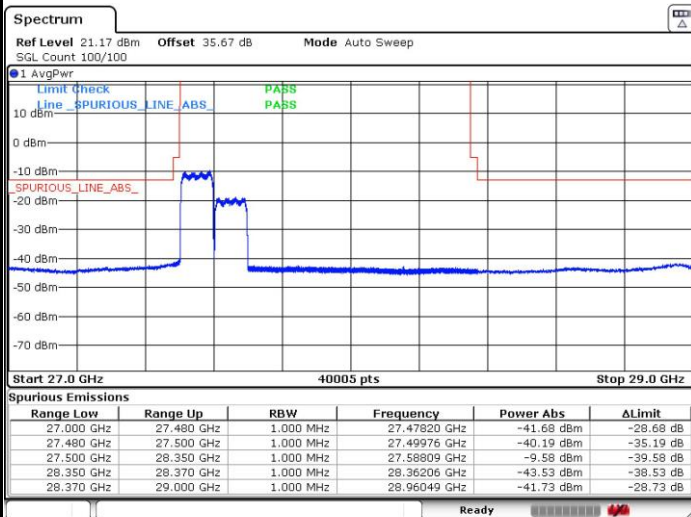
Date: 4.MAY.2020 19:44:54

Date: 4.MAY.2020 16:11:25

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



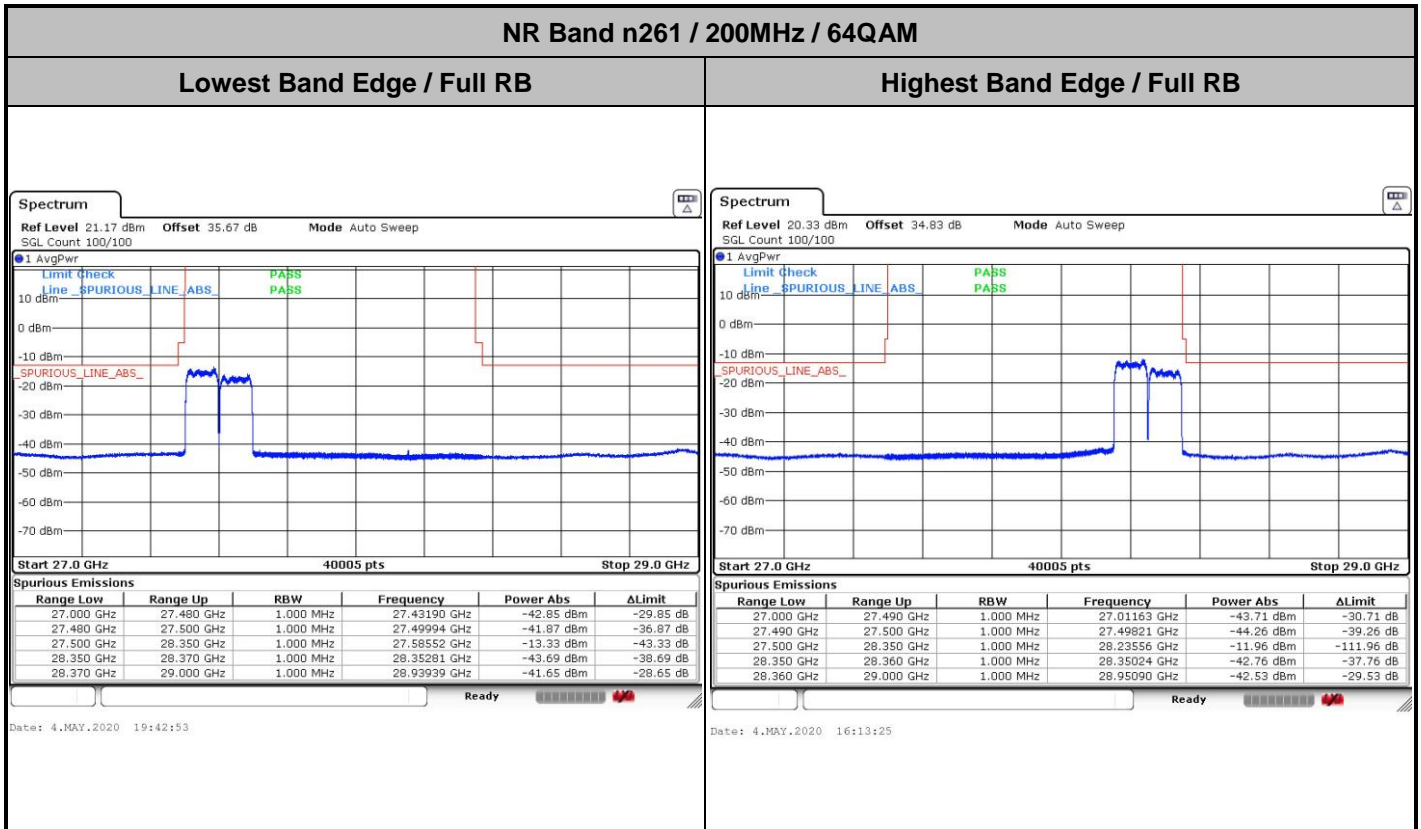
Date: 4.MAY.2020 19:44:06

Date: 4.MAY.2020 16:10:34



CP-OFDM Module 0

NR Band n261 / 200MHz / 64QAM

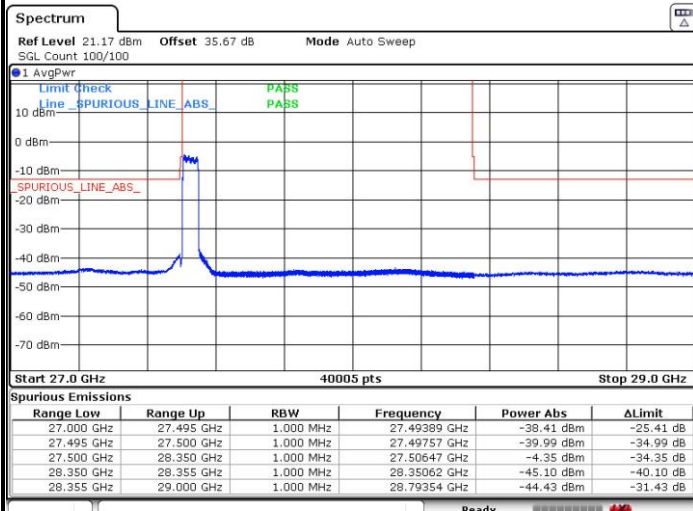




CP-OFDM Module 1

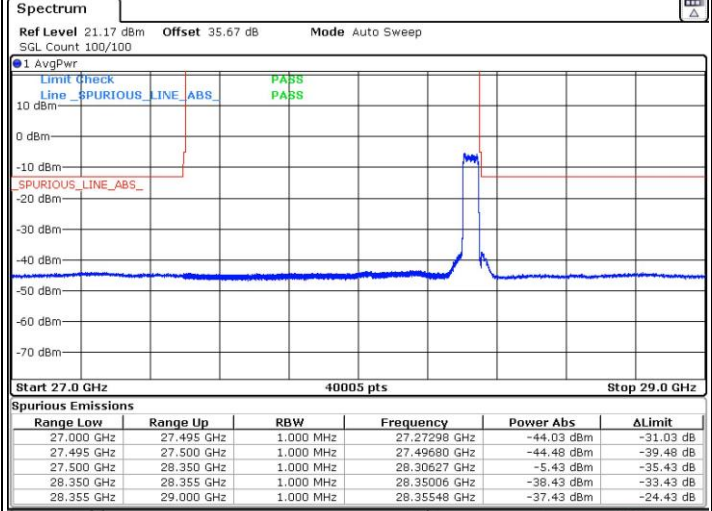
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 28.APR.2020 17:18:21

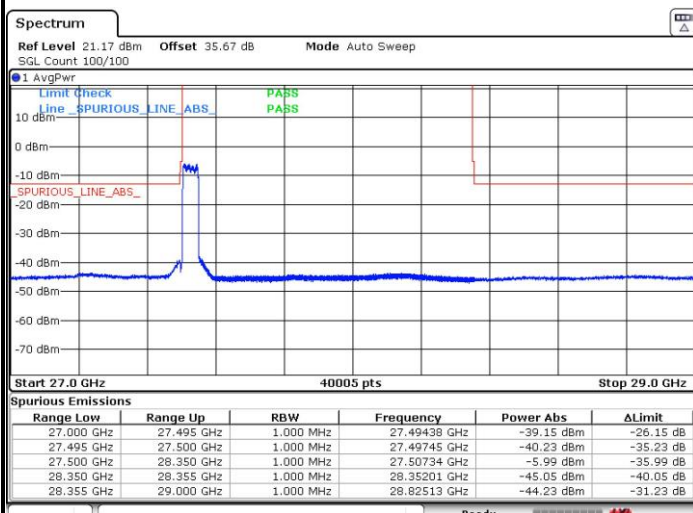
Highest Band Edge / Full RB



Date: 29.APR.2020 00:38:01

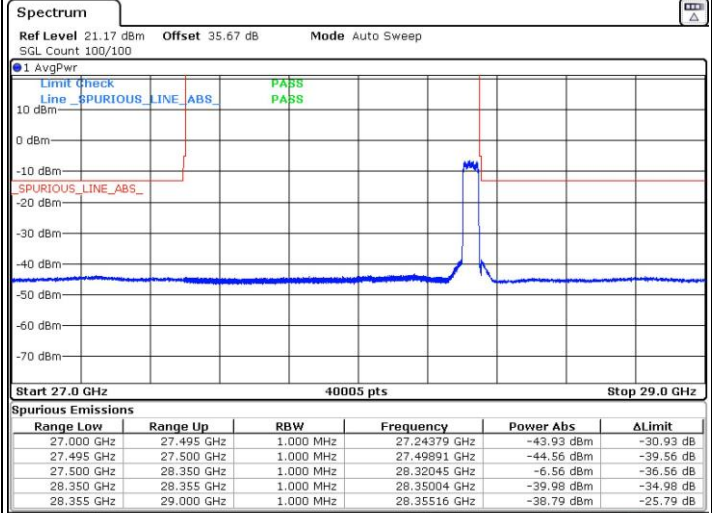
NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB



Date: 28.APR.2020 17:18:55

Highest Band Edge / Full RB



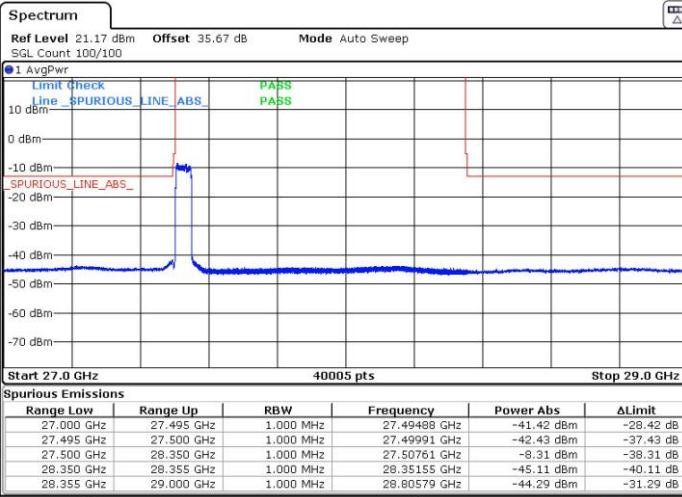
Date: 29.APR.2020 00:38:53



CP-OFDM Module 1

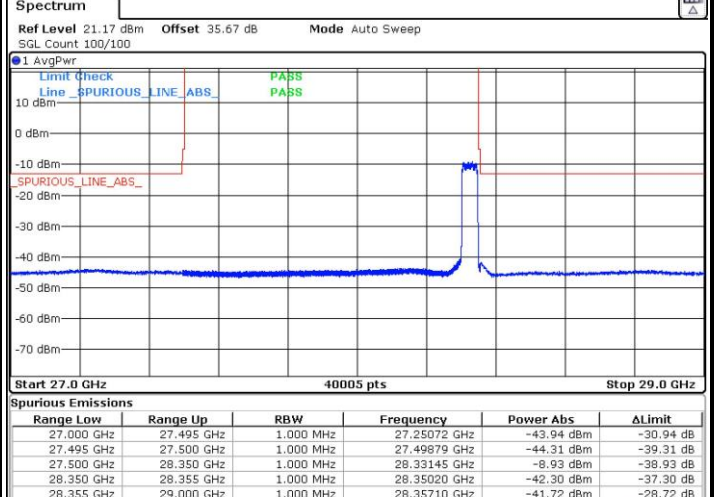
NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB



Date: 28.APR.2020 17:19:22

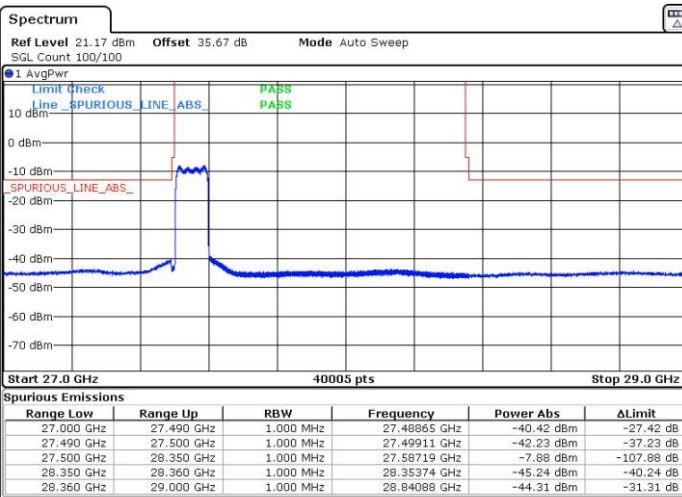
Highest Band Edge / Full RB



Date: 29.APR.2020 00:40:45

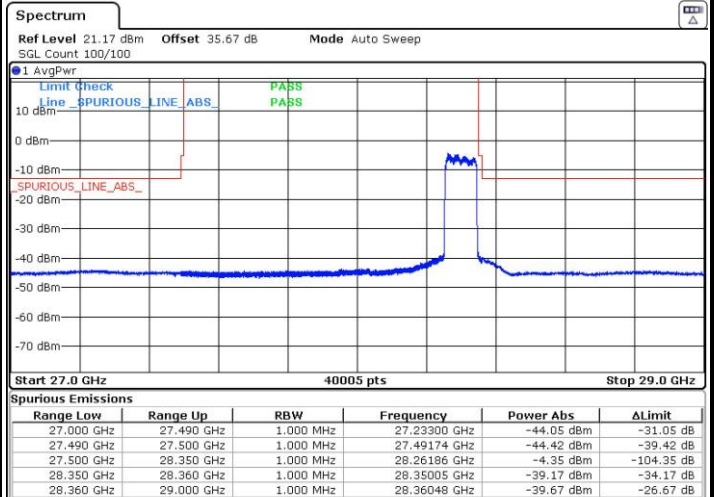
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Date: 28.APR.2020 21:38:35

Highest Band Edge / Full RB



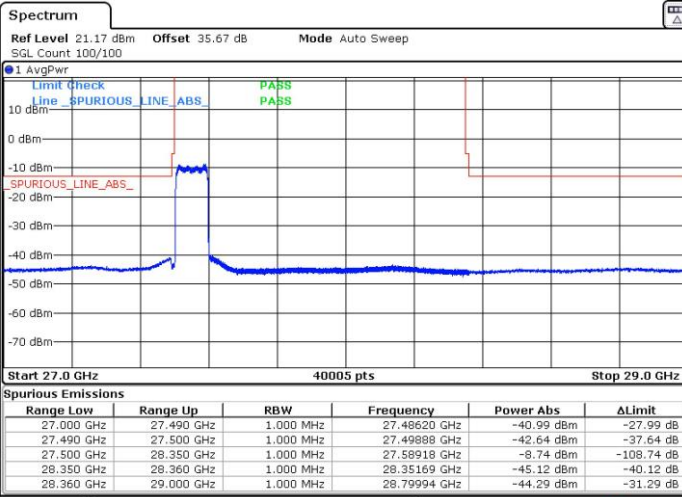
Date: 29.APR.2020 14:12:25



CP-OFDM Module 1

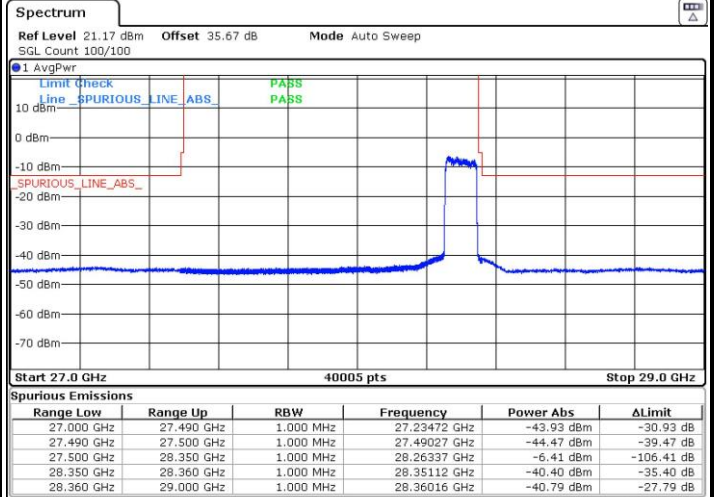
NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB



Date: 28.APR.2020 21:39:20

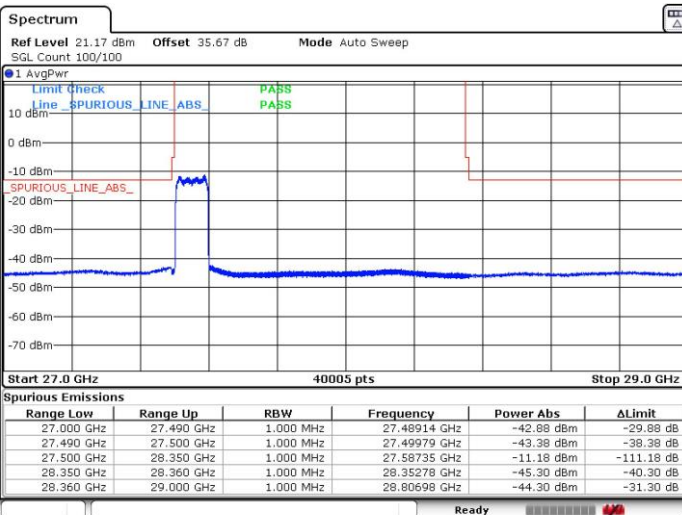
Highest Band Edge / Full RB



Date: 29.APR.2020 14:14:38

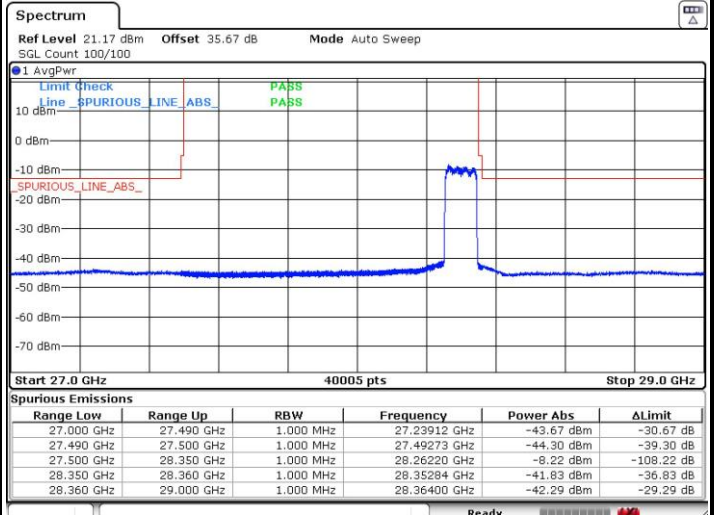
NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Date: 28.APR.2020 21:40:00

Highest Band Edge / Full RB



Date: 29.APR.2020 14:15:20

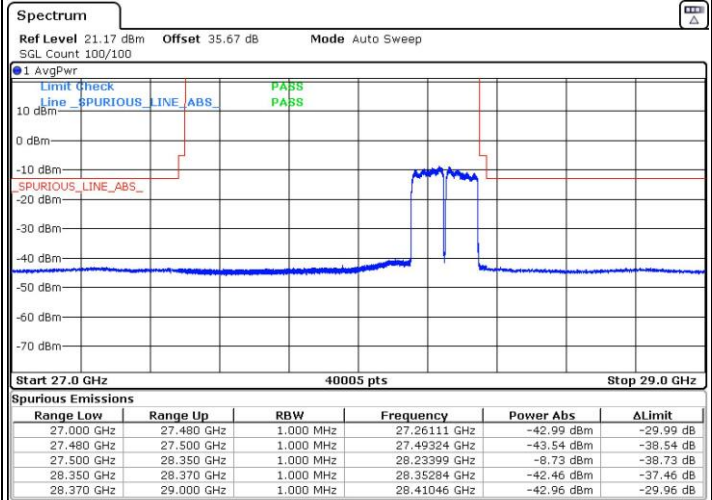
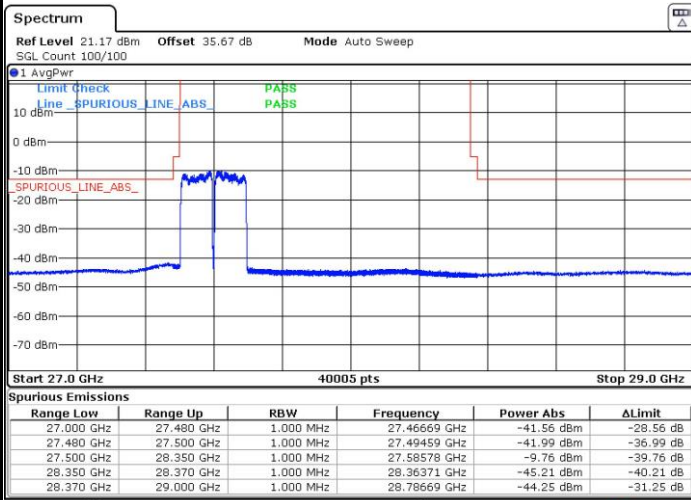


CP-OFDM Module 1

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



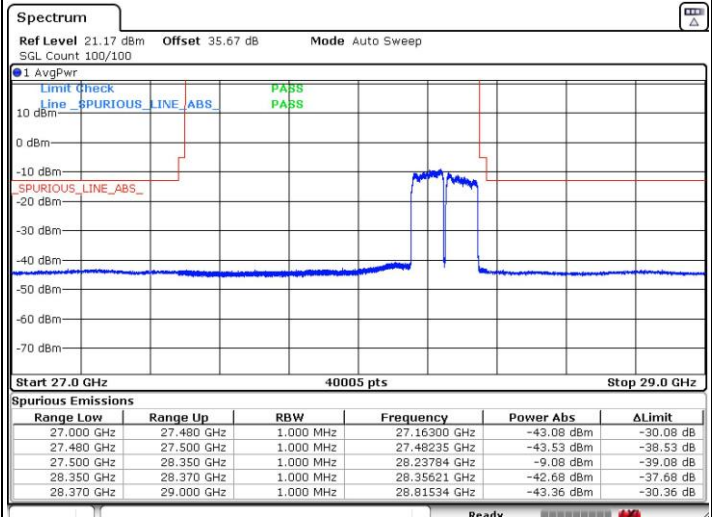
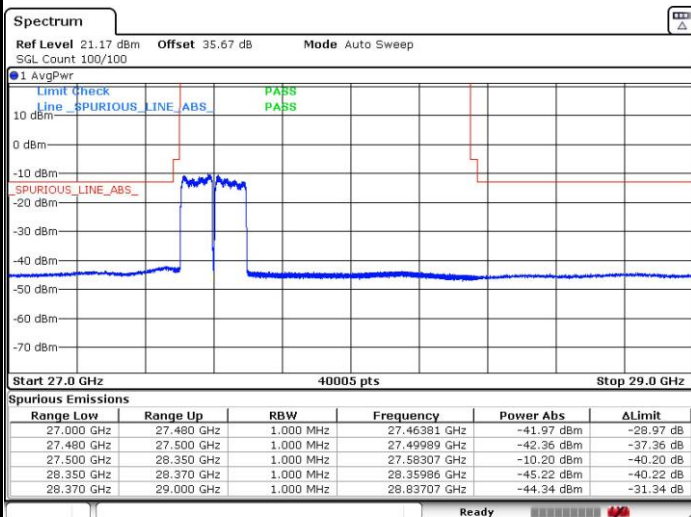
Date: 30.APR.2020 23:35:04

Date: 1.MAY.2020 19:16:50

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.APR.2020 23:34:24

Date: 1.MAY.2020 19:16:17

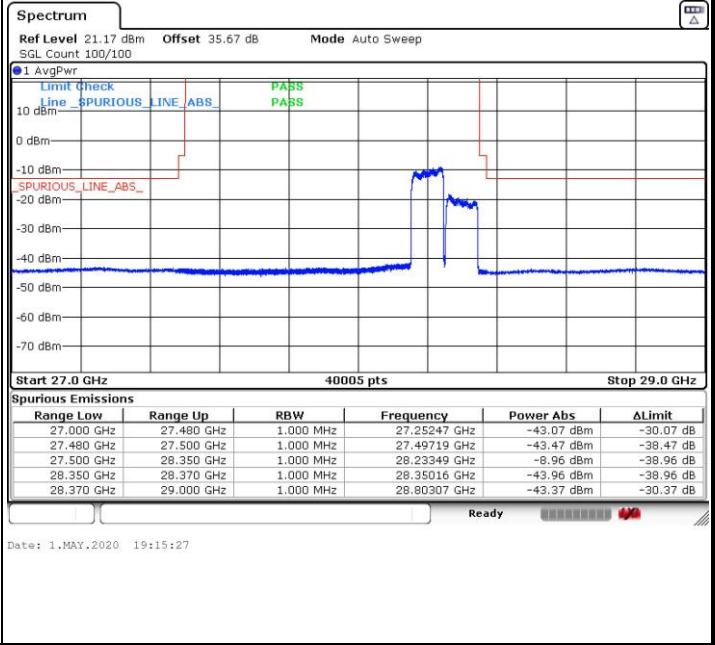
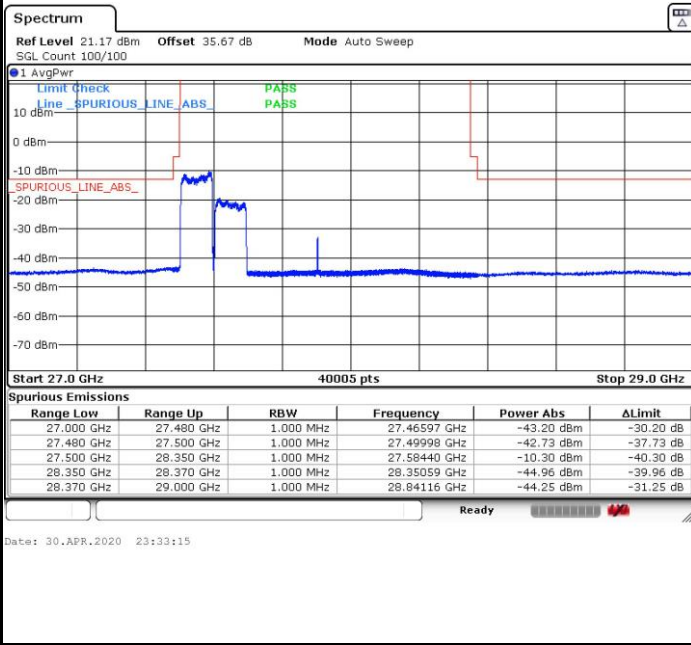


CP-OFDM Module 1

NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





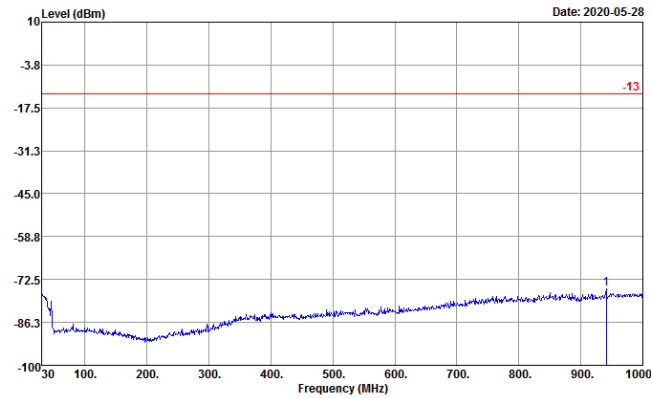
Spurious Emission



There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz. Only the noise floor is reported.

NR Band n261 (30MHz-1GHz)

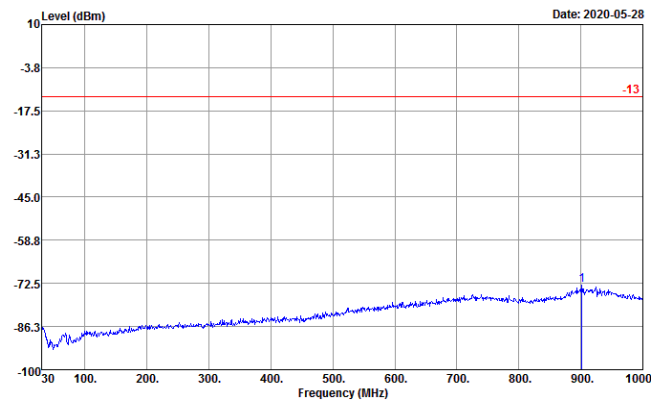
Horizontal



Site : 03CH10-HY
 Condition : -13 EIRP_WO HORIZONTAL
 Project : 011718-01
 : n261-A61-B155-H-100M-1RB11-DFT-S

Freq	Level	Over	Limit	LISN	
MHz	dBm	dB	dBm	dB	
1	940.83	-75.50	-62.50	-13.00	38.55

Vertical



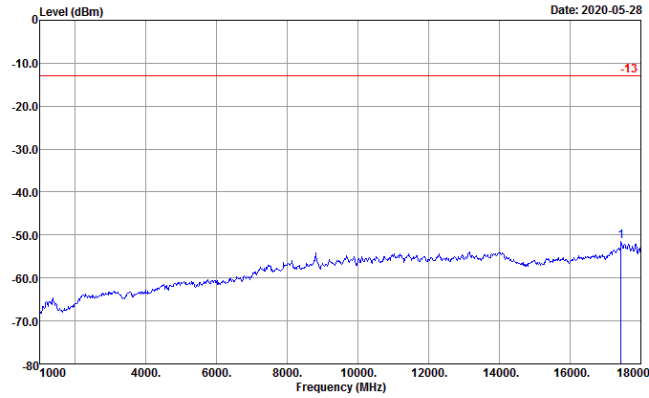
Site : 03CH10-HY
 Condition : -13 EIRP_WO VERTICAL
 Project : 011718-01
 : n261-A61-B155-H-100M-1RB11-DFT-S

Freq	Level	Over	Limit	LISN	
MHz	dBm	dB	dBm	dB	
1	902.03	-72.93	-59.93	-13.00	40.45



NR Band n261 (1GHz-18GHz)

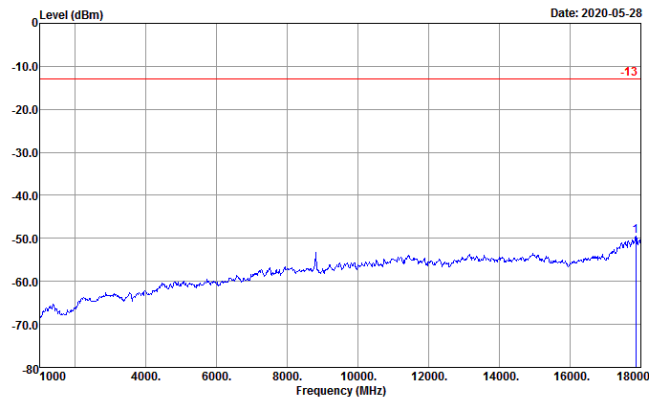
Horizontal



Site : 03CH10-HY
 Condition : -13 EIRP_WO HORIZONTAL
 Project : 011718-01
 : n261-A61-B155-H-100M-IRB11-DFT-S

Freq	Level	Over	Limit	LISN
MHz	dBm	dB	dBm	dB
1 17439.00	-51.55	-38.55	-13.00	72.25

Vertical



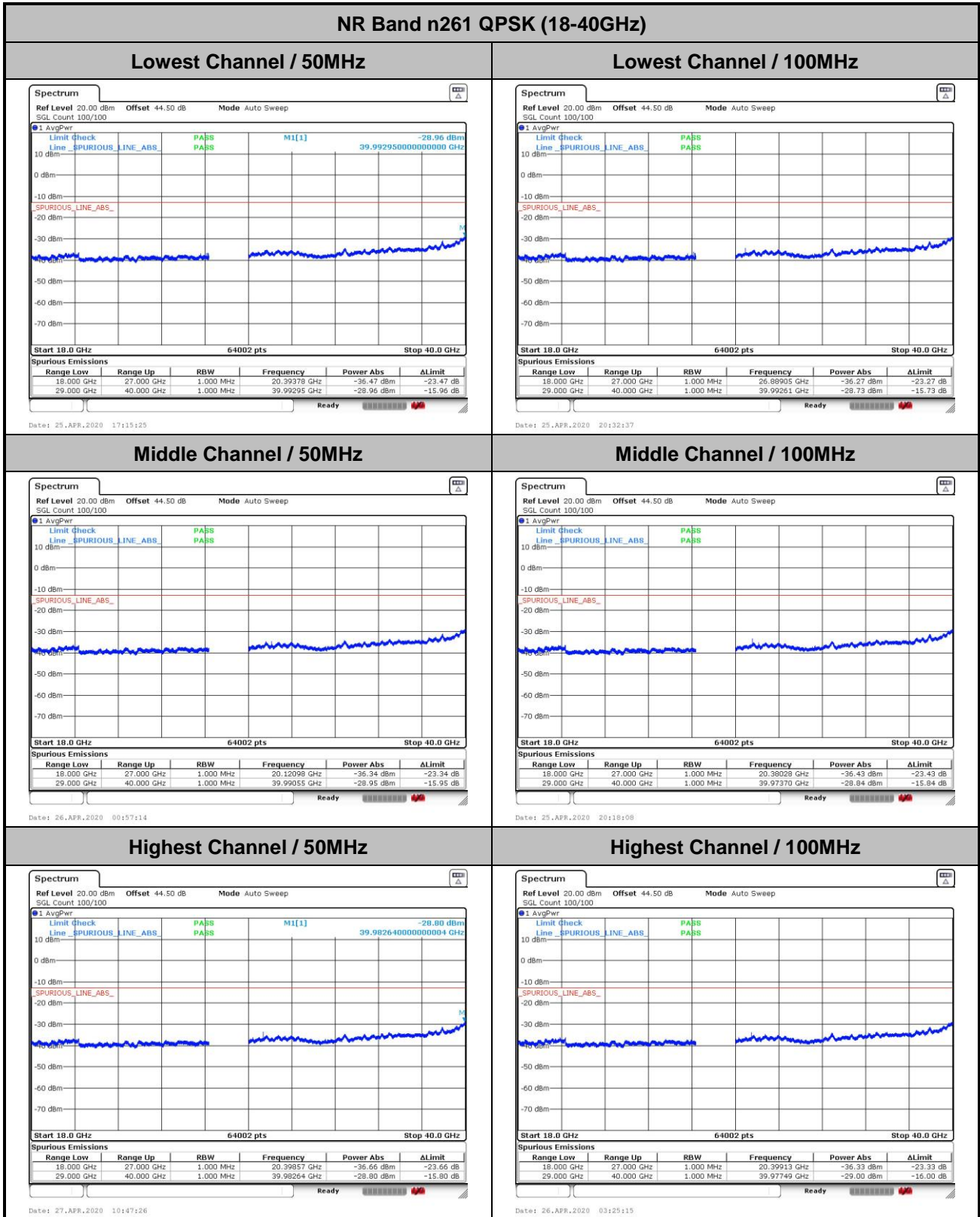
Site : 03CH10-HY
 Condition : -13 EIRP_WO VERTICAL
 Project : 011718-01
 : n261-A61-B155-H-100M-IRB11-DFT-S

Freq	Level	Over	Limit	LISN
MHz	dBm	dB	dBm	dB
1 17864.00	-49.58	-36.58	-13.00	75.27



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

DFT-s-OFDM Module 0



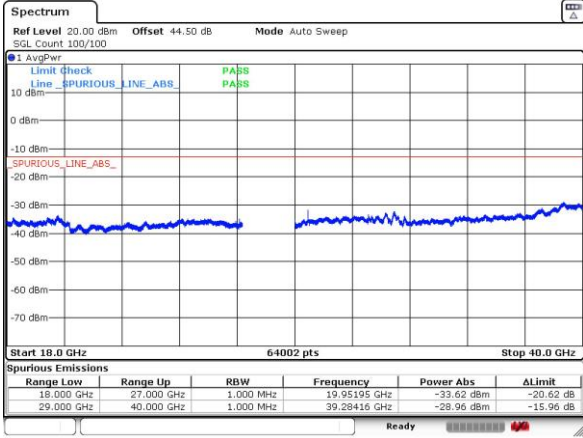
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 0

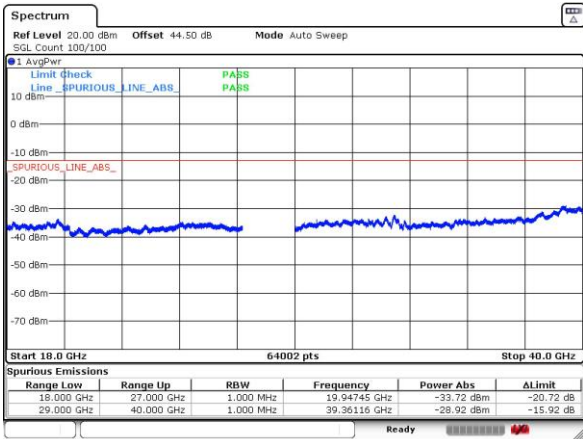
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



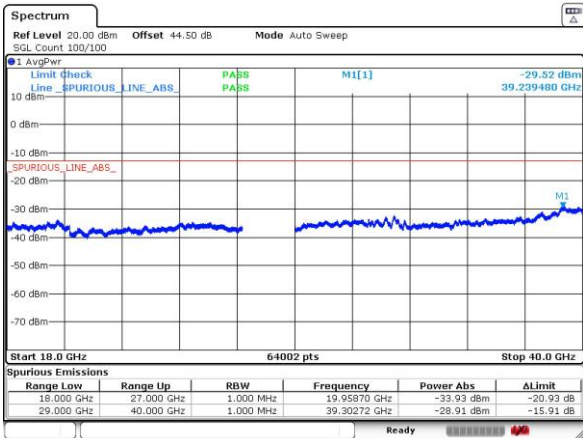
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

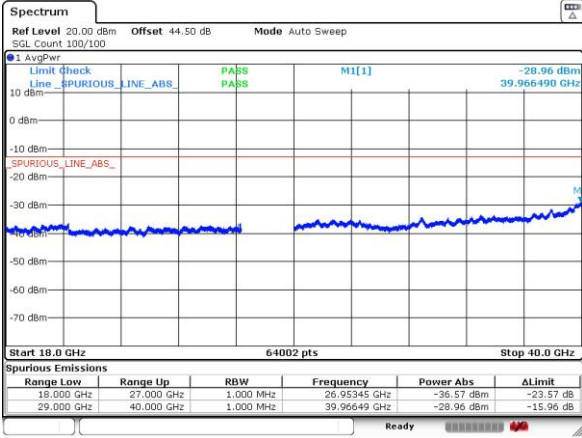
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 1

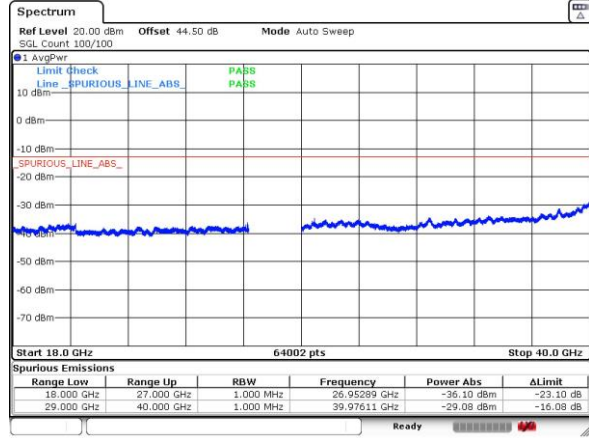
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



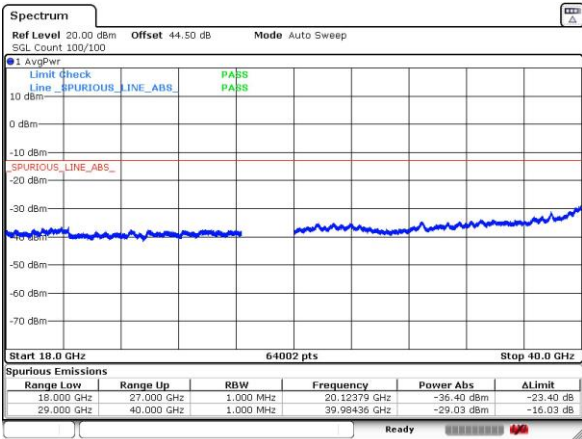
Date: 28_APR.2020 17:11:43

Lowest Channel / 100MHz



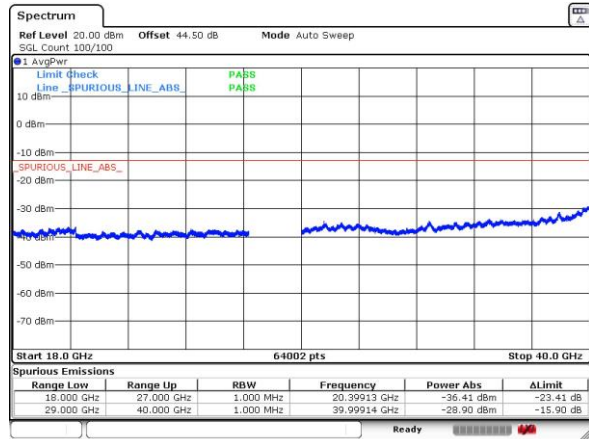
Date: 28_APR.2020 19:34:33

Middle Channel / 50MHz



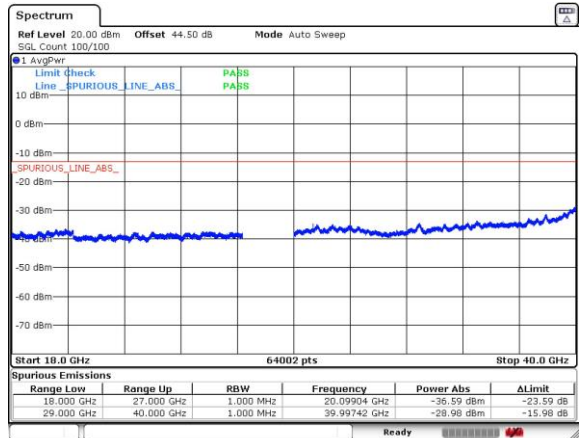
Date: 28_APR.2020 22:08:13

Middle Channel / 100MHz



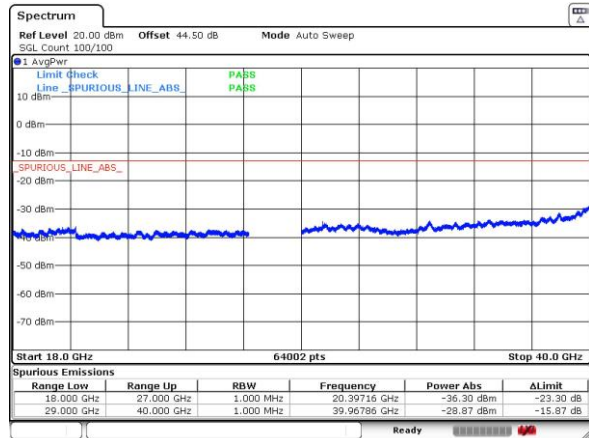
Date: 28_APR.2020 22:26:11

Highest Channel / 50MHz



Date: 29_APR.2020 09:25:59

Highest Channel / 100MHz



Date: 29_APR.2020 14:23:28

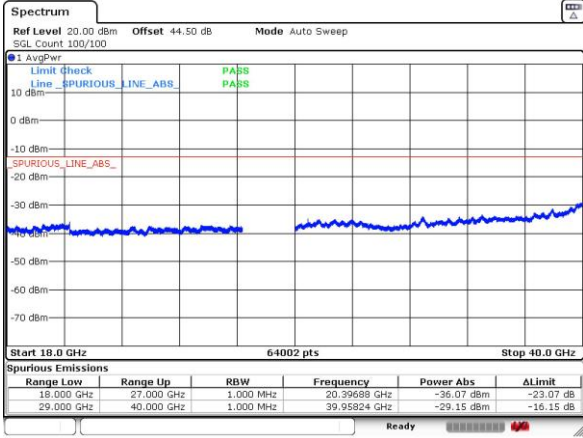
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 1

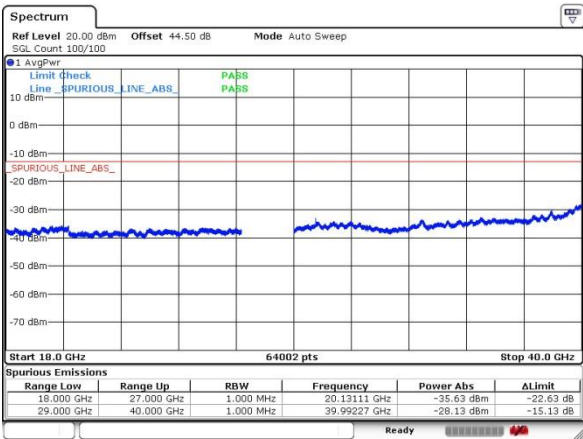
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



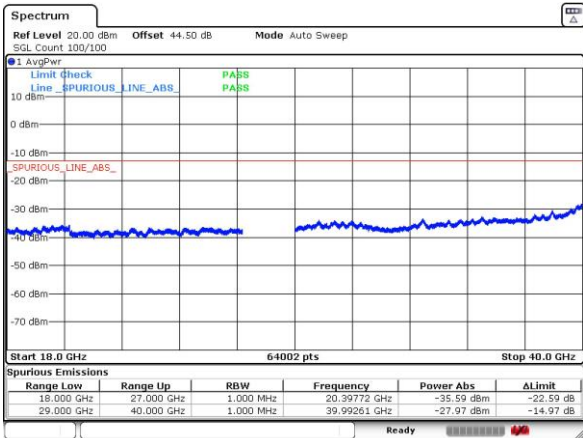
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

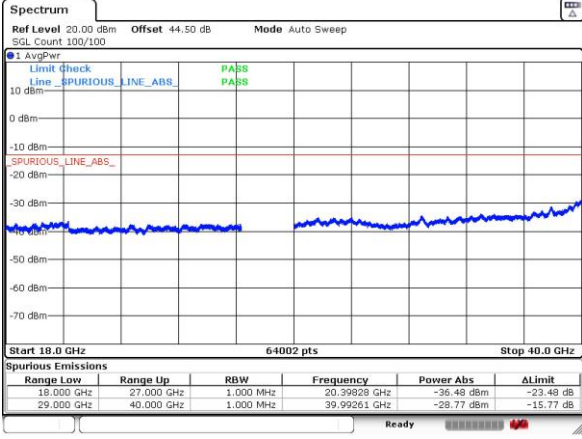
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 0

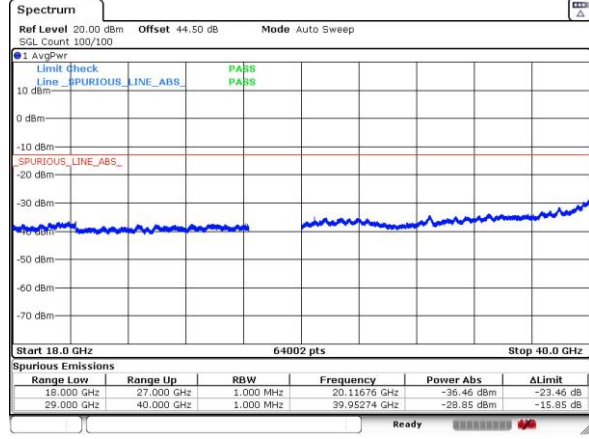
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



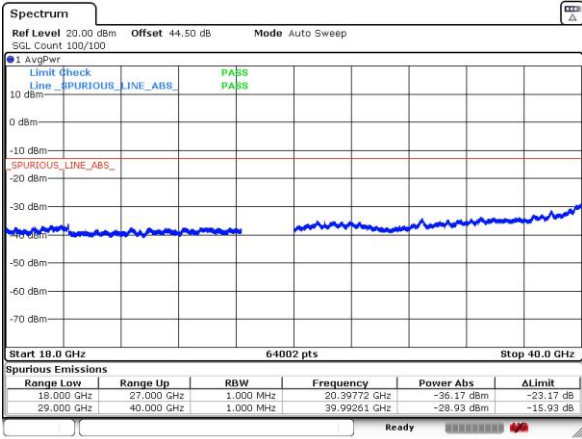
Date: 25. APR. 2020 19:53:41

Lowest Channel / 100MHz



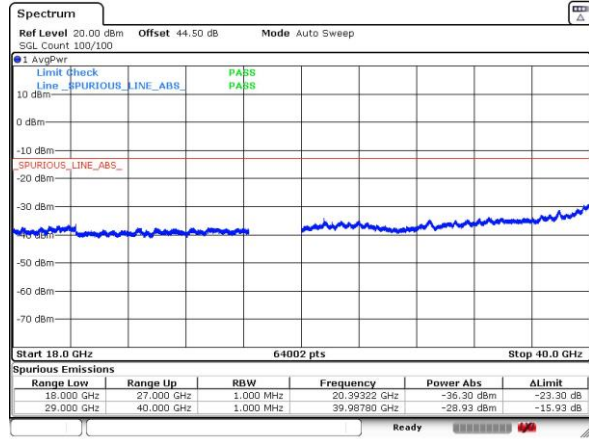
Date: 25. APR. 2020 21:05:21

Middle Channel / 50MHz



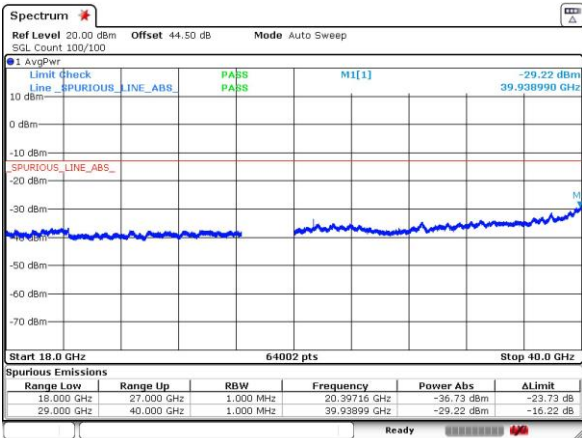
Date: 26. APR. 2020 01:12:42

Middle Channel / 100MHz



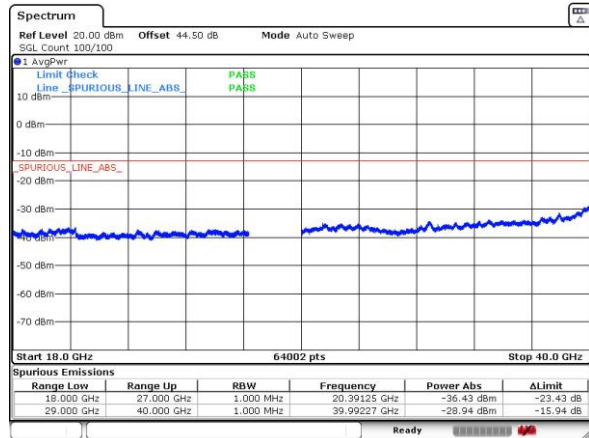
Date: 25. APR. 2020 21:20:25

Highest Channel / 50MHz



Date: 27. APR. 2020 13:44:07

Highest Channel / 100MHz



Date: 26. APR. 2020 03:39:35

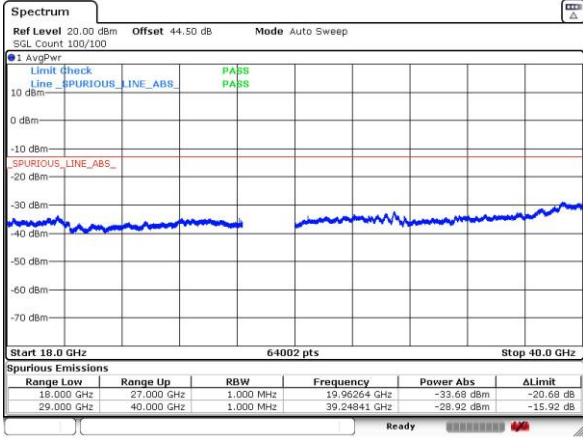
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 0

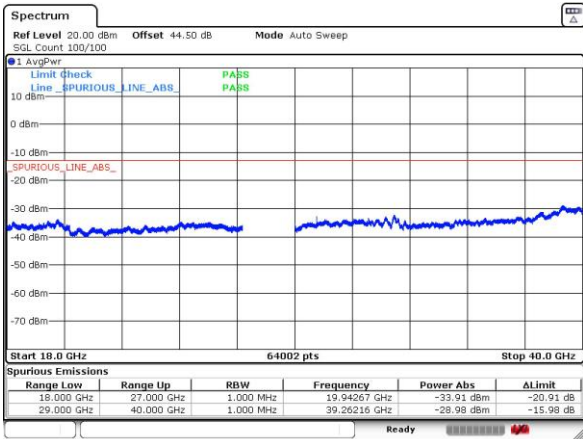
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



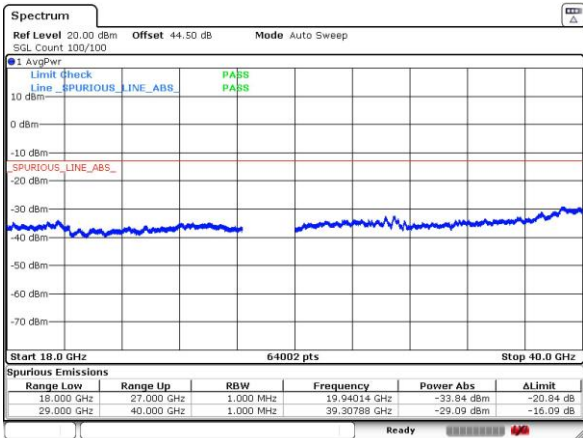
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

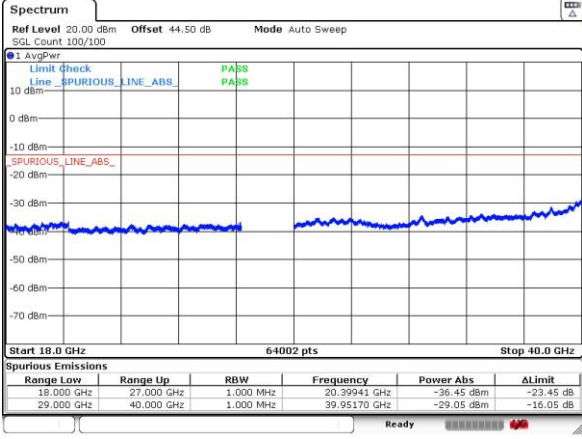
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 1

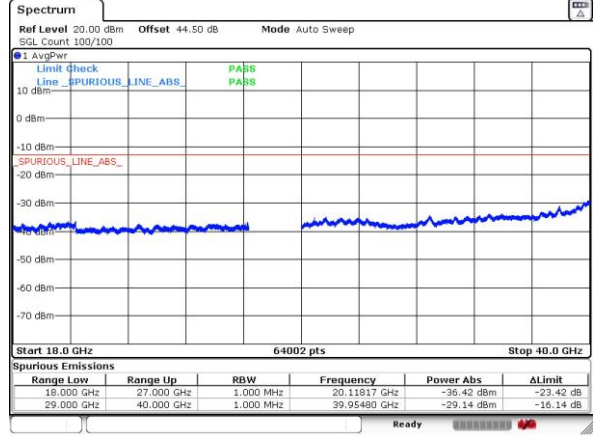
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



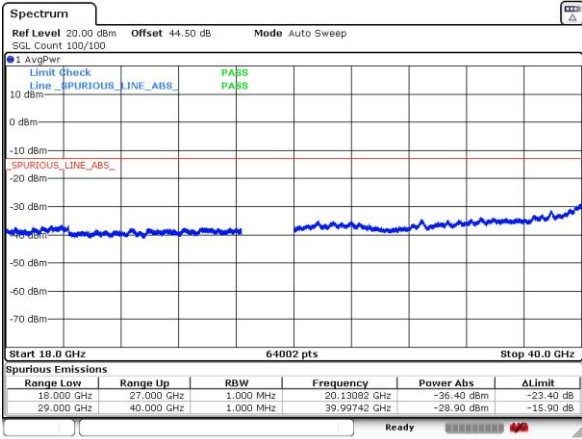
Date: 28_APR.2020 17:12:52

Lowest Channel / 100MHz



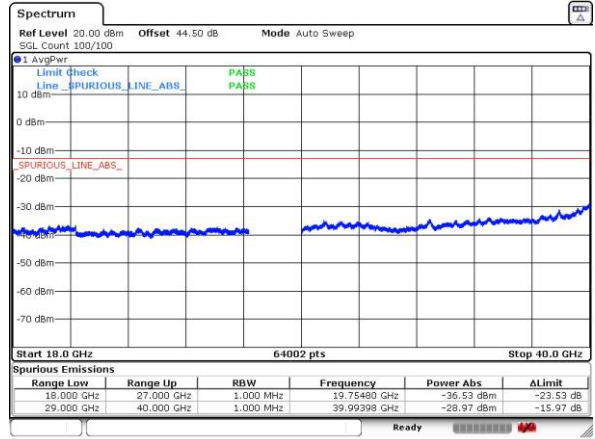
Date: 28_APR.2020 21:42:46

Middle Channel / 50MHz



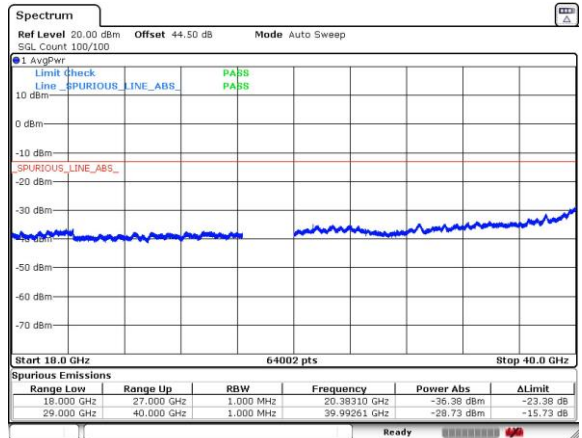
Date: 28_APR.2020 22:27:28

Middle Channel / 100MHz



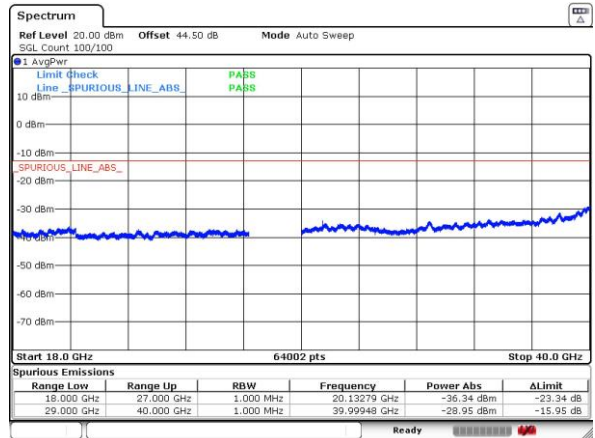
Date: 28_APR.2020 23:14:29

Highest Channel / 50MHz



Date: 29_APR.2020 00:50:48

Highest Channel / 100MHz



Date: 29_APR.2020 14:26:05

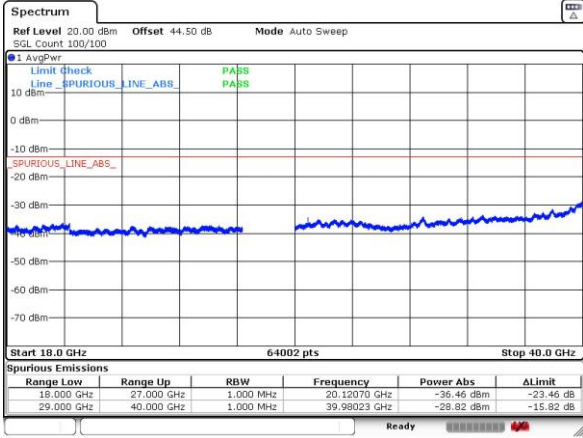
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 1

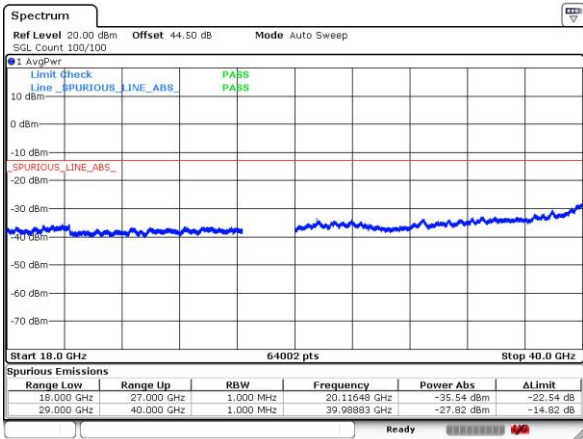
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



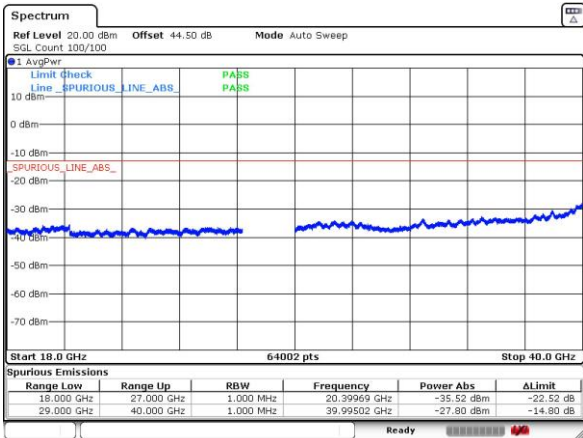
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz

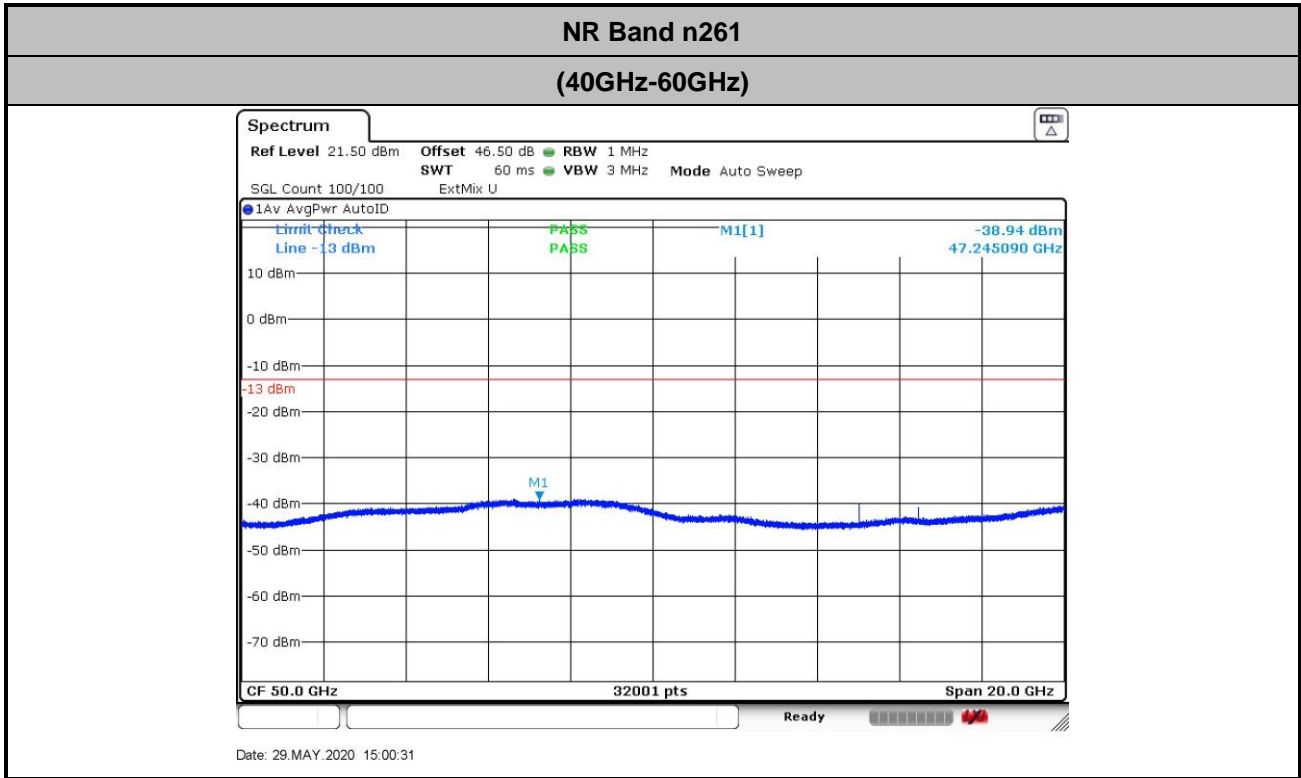


intentionally blank

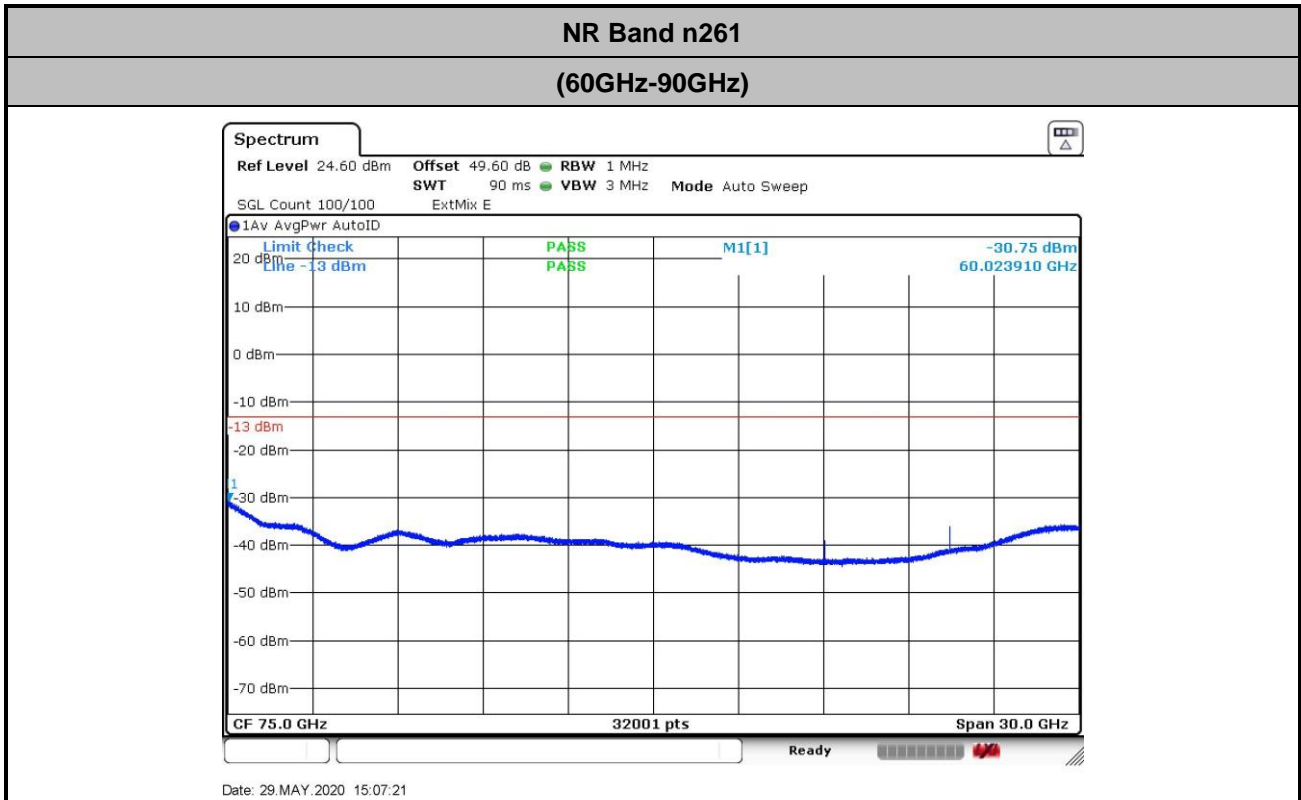
Remark: In band and out of band frequencies are omitted.



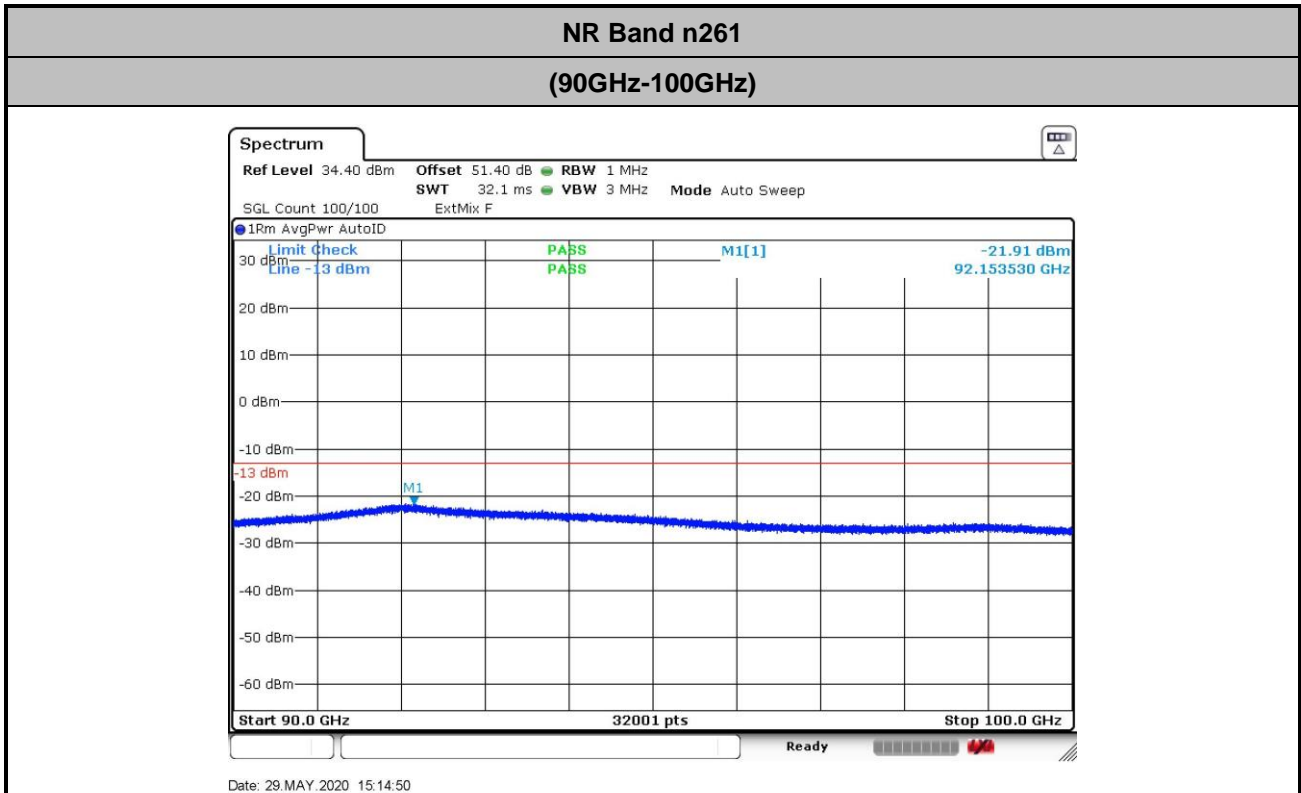
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}
 \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 2.2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)} \end{aligned}$$



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 49.0 + 2.2 + 107 + 20\log(1) - 104.8 = 51.4 \text{ (dB)}$$



NR Band n261 AG0+AG1

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.38	45.42	45.18	90.84	90.76	90.72	188.72	188.64	182.96
Middle CH	45.42	45.24	45.40	90.16	90.32	90.48	188.56	188.72	185.52
Highest CH	45.00	45.30	45.12	90.56	90.68	90.68	188.48	188.56	185.36

Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.60	45.24	45.40	90.40	90.32	90.36	187.52	188.00	184.08
Middle CH	45.30	45.46	45.14	90.40	90.36	90.28	188.16	188.08	184.96
Highest CH	45.30	45.38	45.14	90.24	90.16	89.72	187.68	187.44	185.2

Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.28	45.20	45.02	92.80	93.24	92.84	189.76	185.04	189.76
Middle CH	45.34	45.40	45.24	92.84	93.00	92.40	189.92	186.72	189.76
Highest CH	45.36	45.28	45.32	92.96	93.36	93.00	190.08	185.44	189.76

Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.02	45.52	45.18	92.72	92.76	92.80	189.84	185.6	189.92
Middle CH	45.22	45.28	45.20	92.68	92.64	92.56	189.84	185.92	190.08
Highest CH	45.14	45.24	45.20	92.52	92.40	92.36	189.12	184.16	189.44



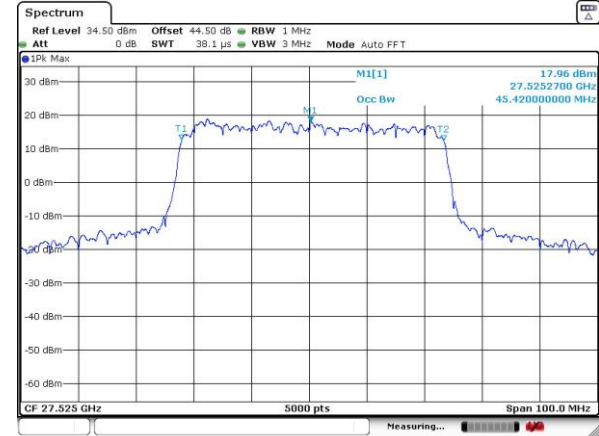
DFT-s-OFDM Module 0

NR Band n261

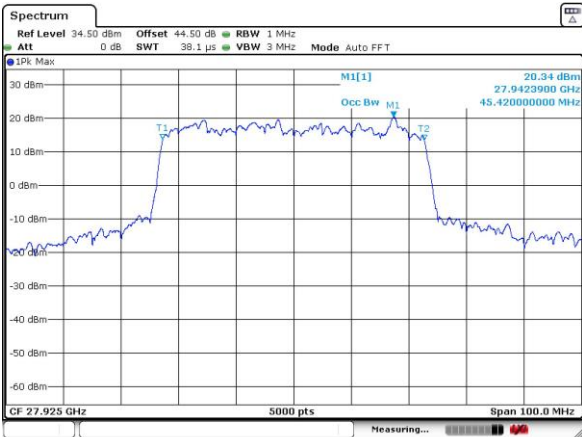
Lowest Channel / 50MHz / QPSK



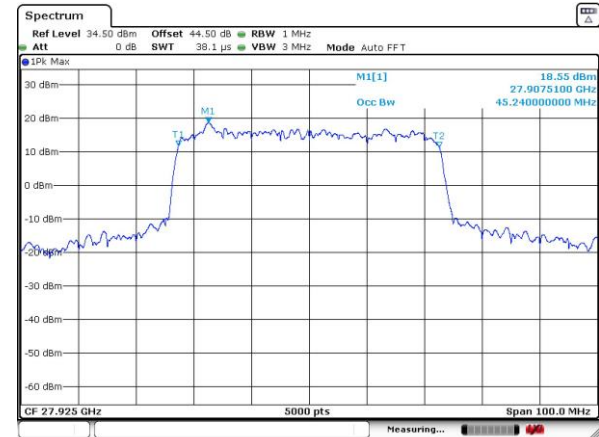
Lowest Channel / 50MHz / 16QAM



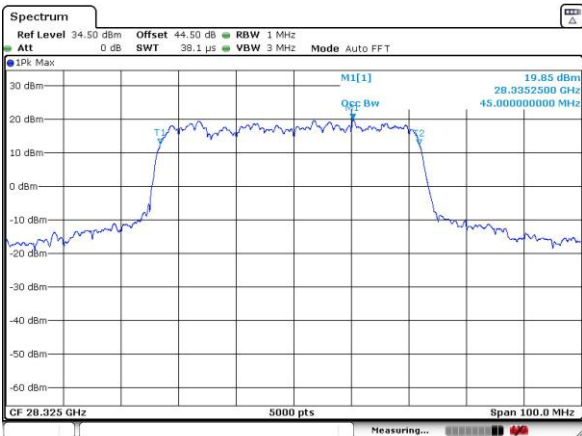
Middle Channel / 50MHz / QPSK



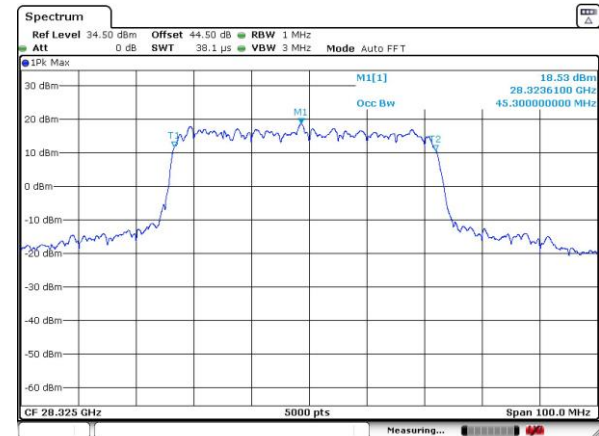
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

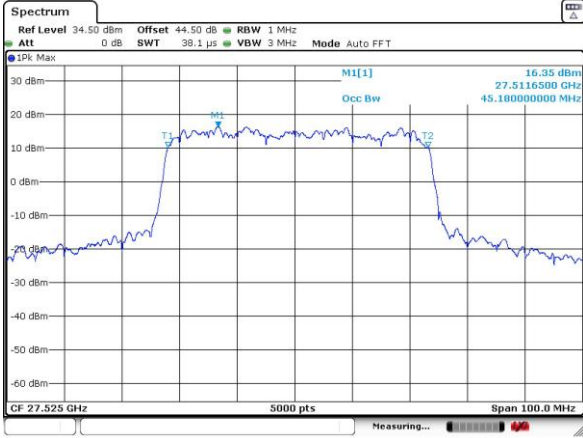




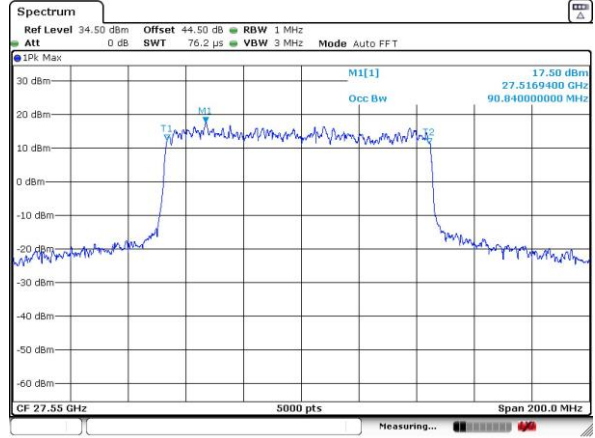
DFT-s-OFDM Module 0

NR Band n261

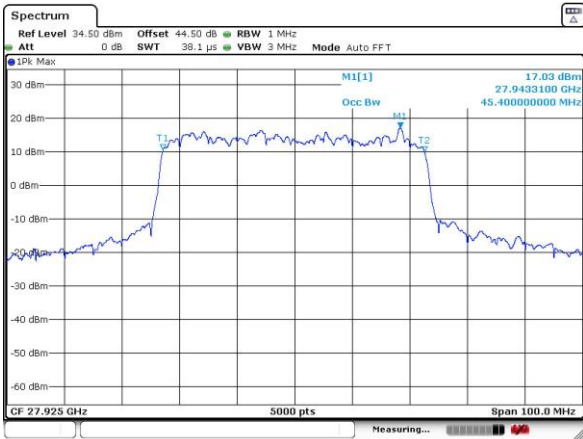
Lowest Channel / 50MHz / 64QAM



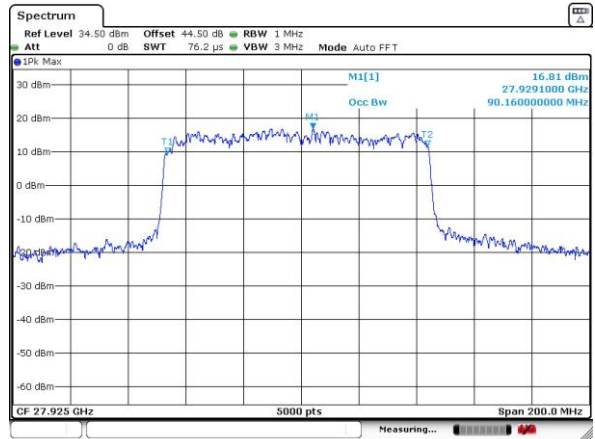
Lowest Channel / 100MHz / QPSK



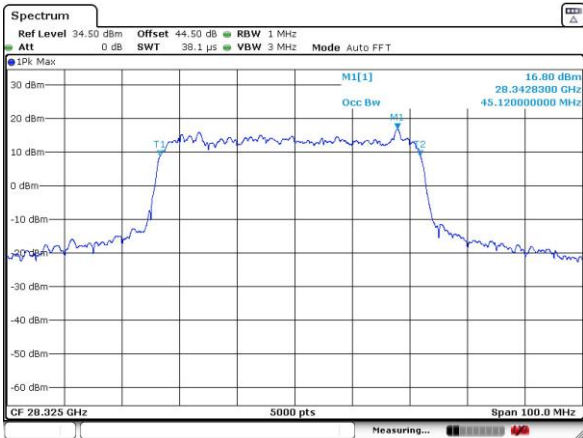
Middle Channel / 50MHz / 64QAM



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

