

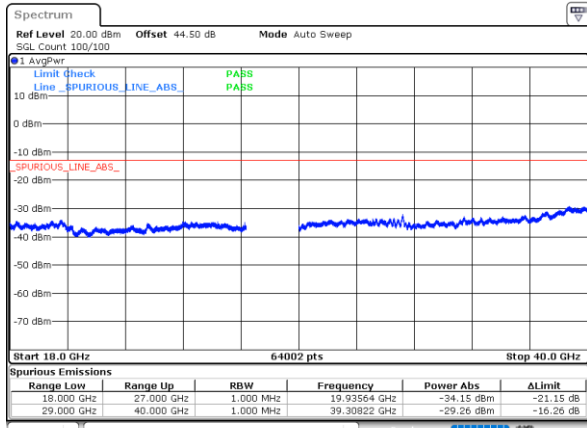


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module 2

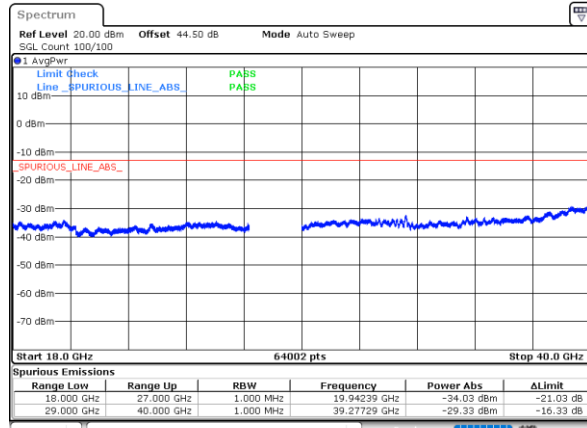
NR Band n261 BPSK (18-40GHz)

Lowest Channel / 50MHz



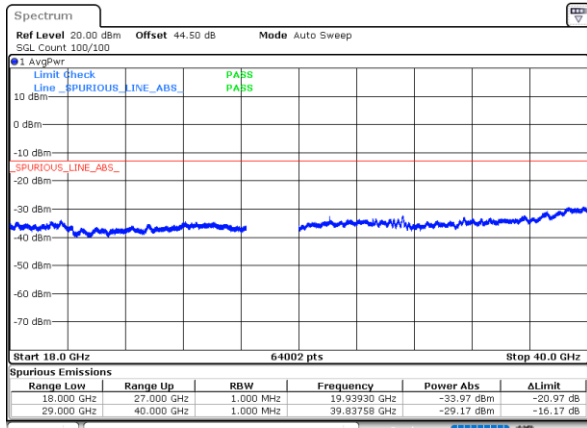
Date: 11.SEP.2020 02:48:46

Lowest Channel / 100MHz



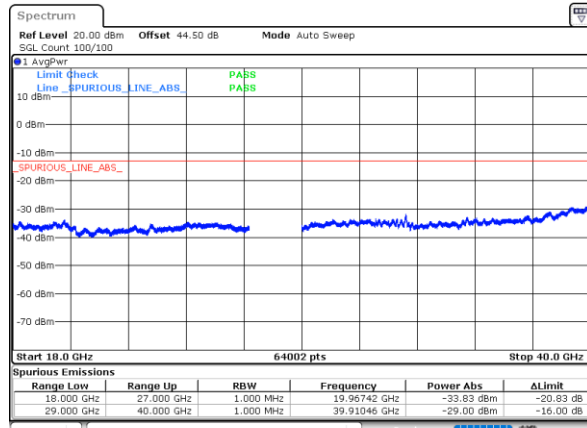
Date: 11.SEP.2020 03:20:35

Middle Channel / 50MHz



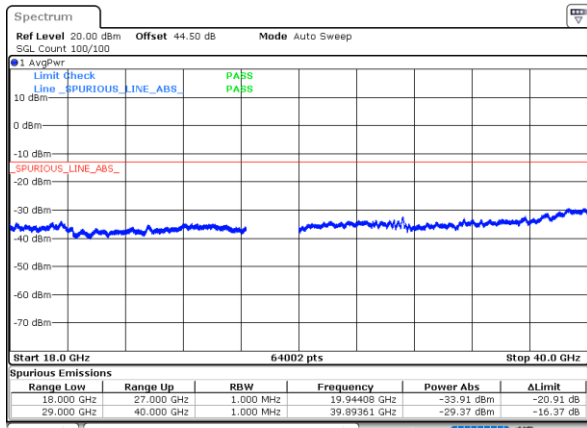
Date: 4.SEP.2020 07:40:32

Middle Channel / 100MHz



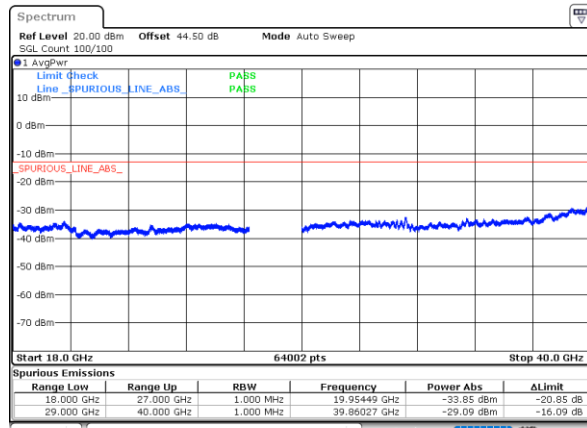
Date: 4.SEP.2020 06:33:04

Highest Channel / 50MHz



Date: 11.SEP.2020 04:18:01

Highest Channel / 100MHz



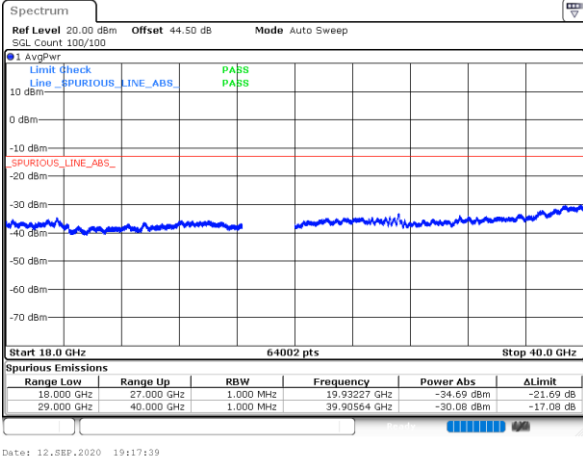
Date: 11.SEP.2020 05:37:07



DFT-s-OFDM Module 2

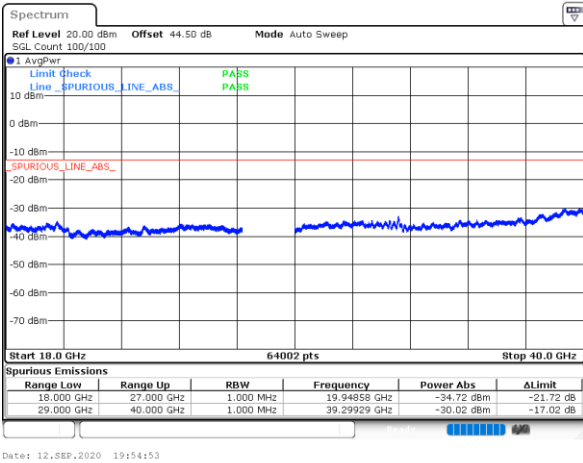
NR Band n261 BPSK (18-40GHz)

Lowest Channel / 400MHz



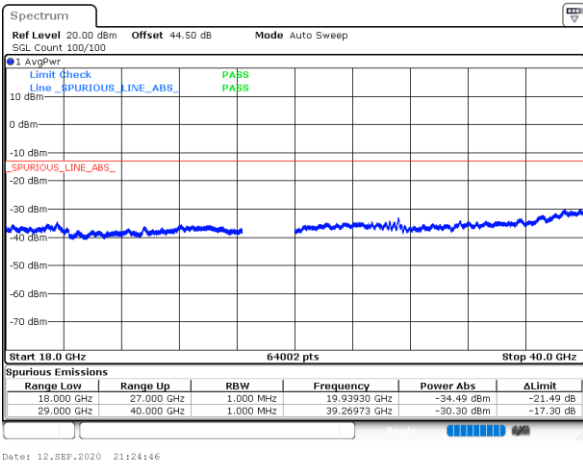
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Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



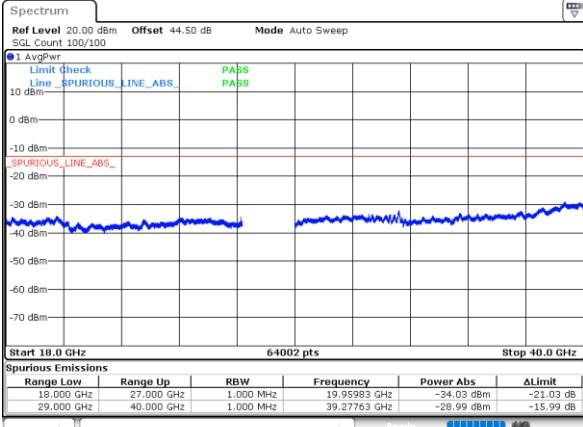
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DFT-s-OFDM Module 2

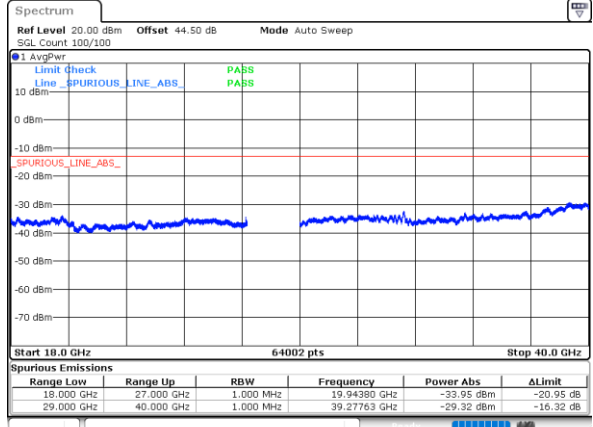
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



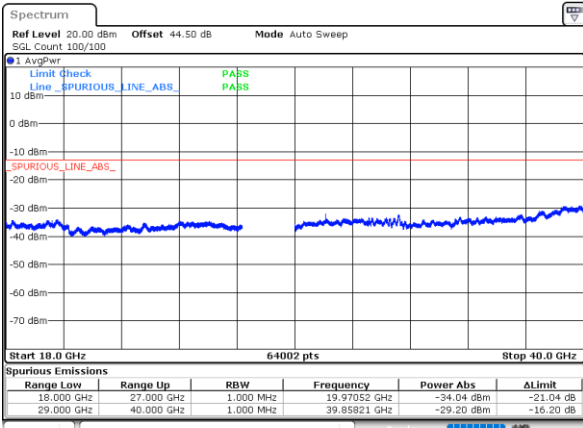
Date: 11_SEP.2020 02:52:40

Lowest Channel / 100MHz



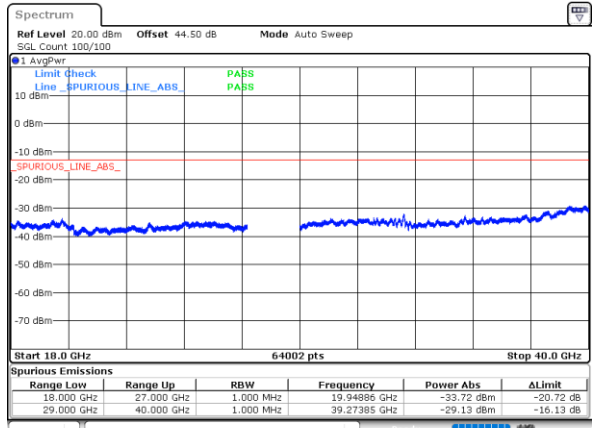
Date: 11_SEP.2020 03:24:37

Middle Channel / 50MHz



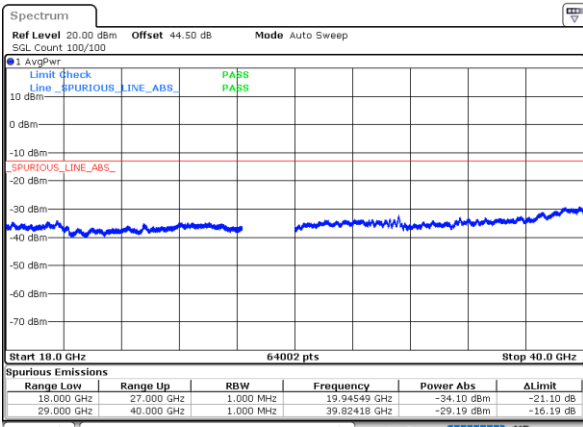
Date: 4_SEP.2020 07:39:00

Middle Channel / 100MHz



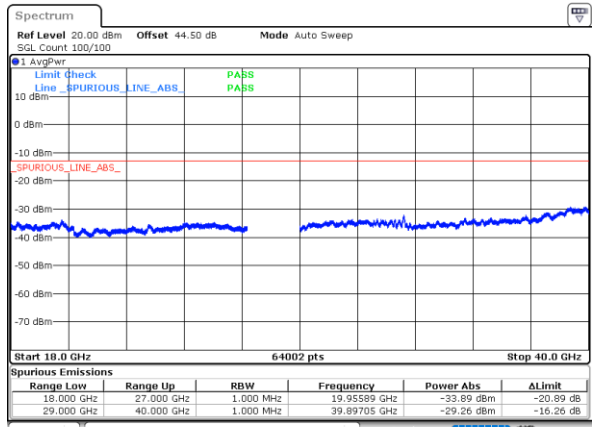
Date: 4_SEP.2020 06:30:12

Highest Channel / 50MHz



Date: 11_SEP.2020 04:20:13

Highest Channel / 100MHz



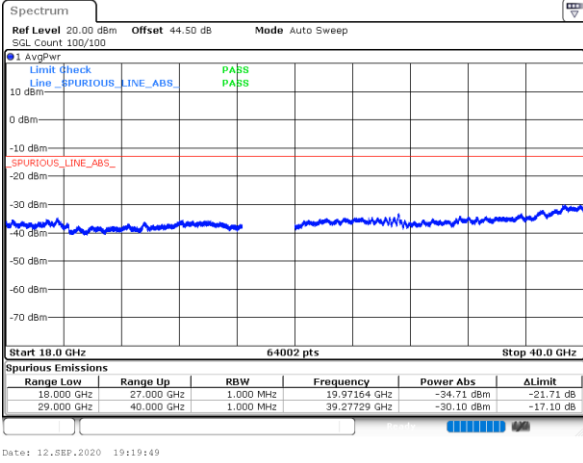
Date: 11_SEP.2020 05:39:30



DFT-s-OFDM Module 2

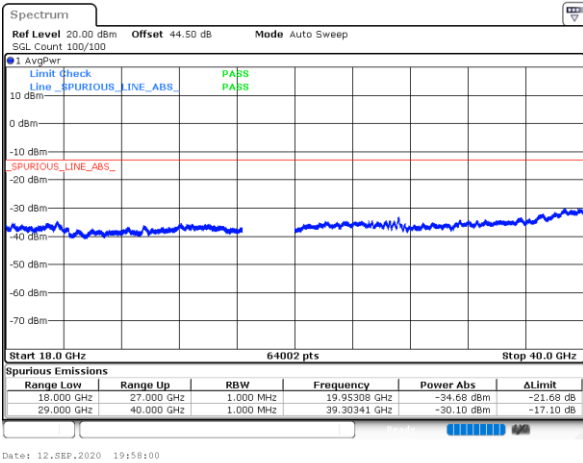
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



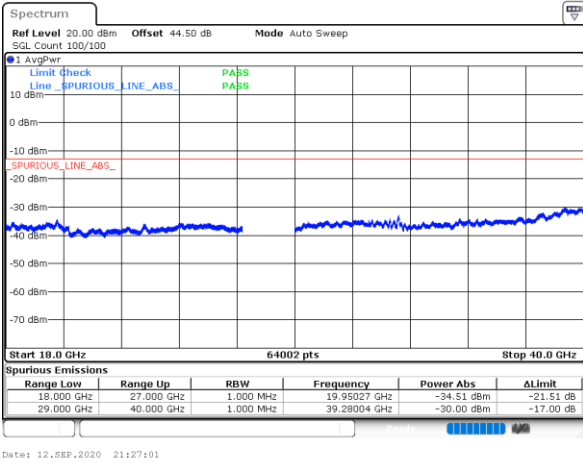
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Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



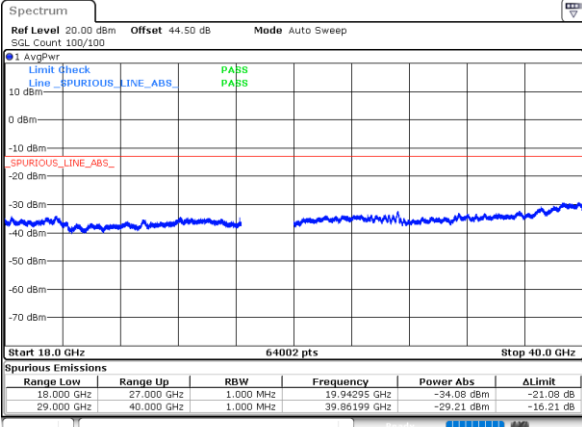
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CP-OFDM Module 2

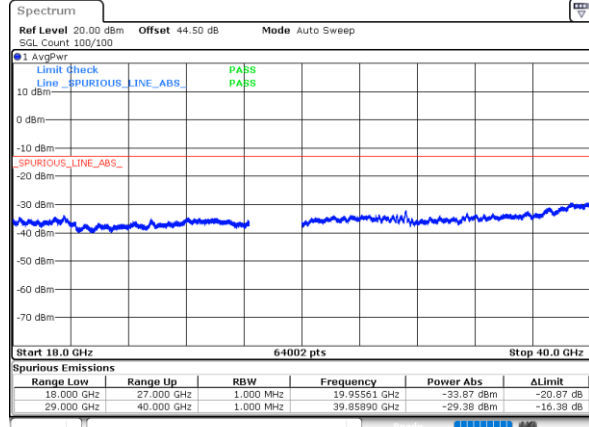
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



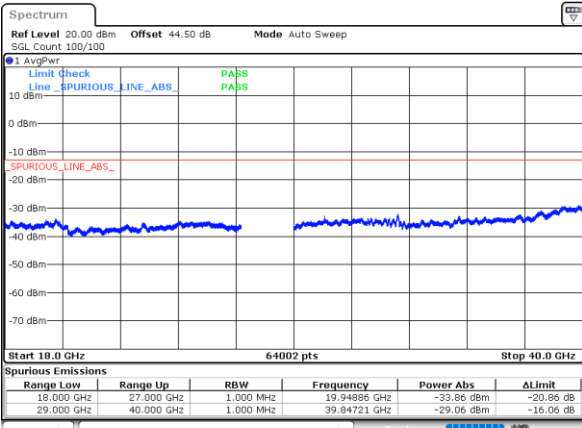
Date: 11_SEP.2020 02:54:50

Lowest Channel / 100MHz



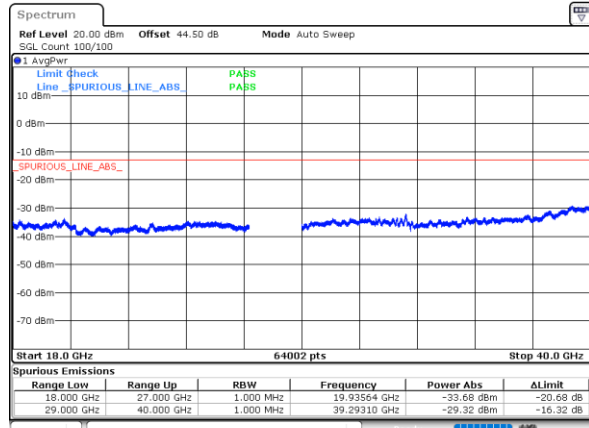
Date: 11_SEP.2020 03:52:49

Middle Channel / 50MHz



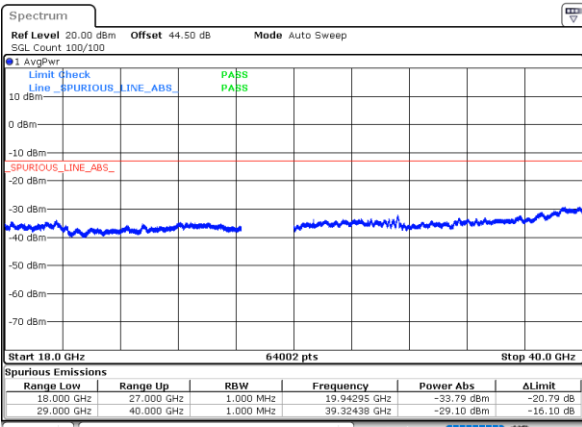
Date: 4_SEP.2020 07:49:34

Middle Channel / 100MHz



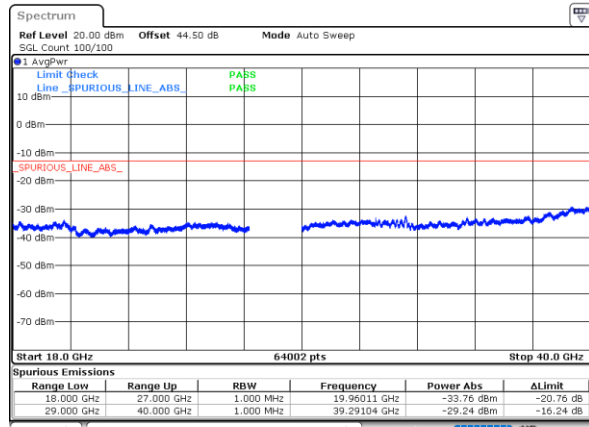
Date: 4_SEP.2020 06:41:22

Highest Channel / 50MHz



Date: 11_SEP.2020 04:28:28

Highest Channel / 100MHz



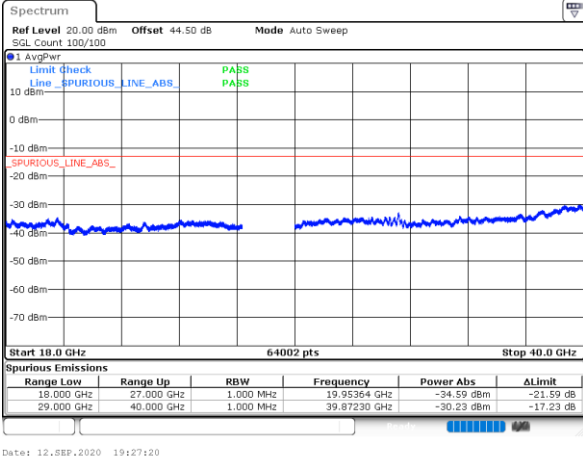
Date: 11_SEP.2020 05:47:11



CP-OFDM Module 2

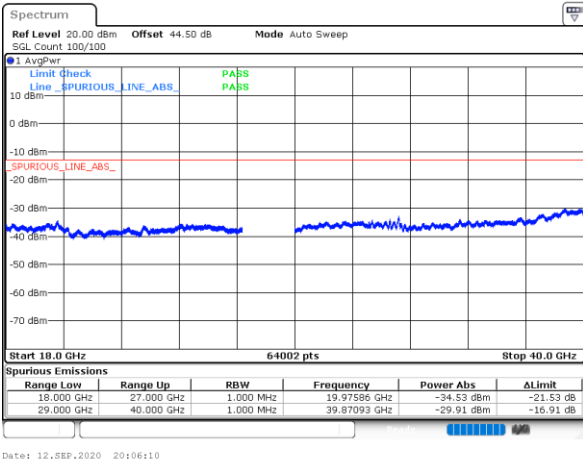
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



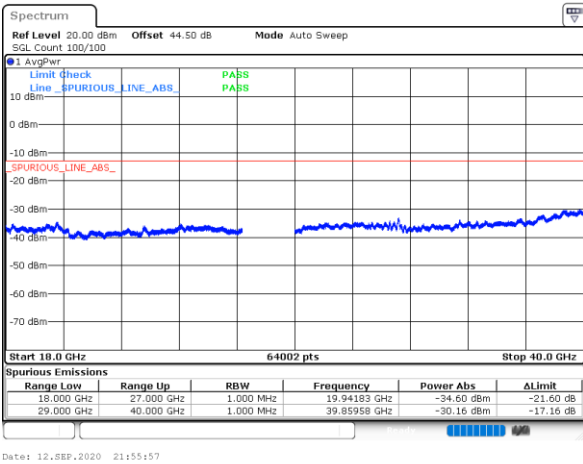
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Middle Channel / 400MHz



intentionally blank

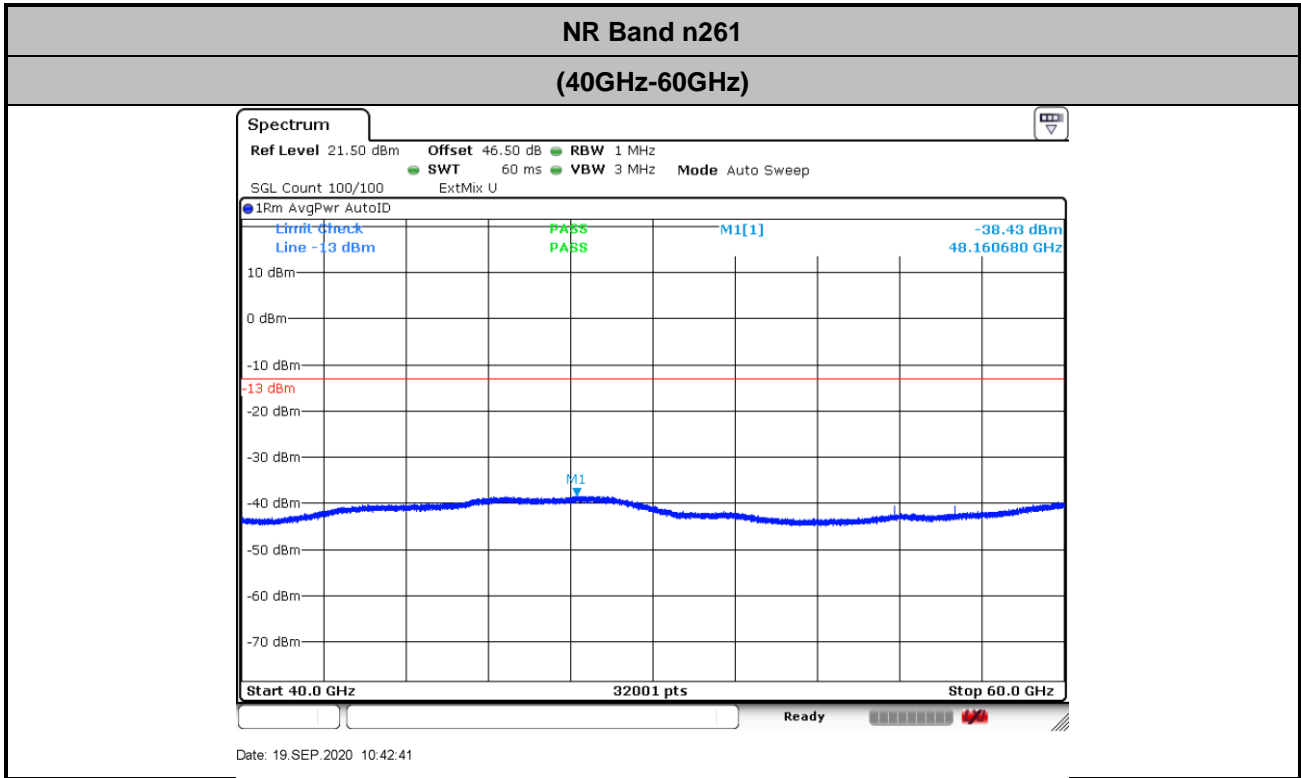
Highest Channel / 400MHz



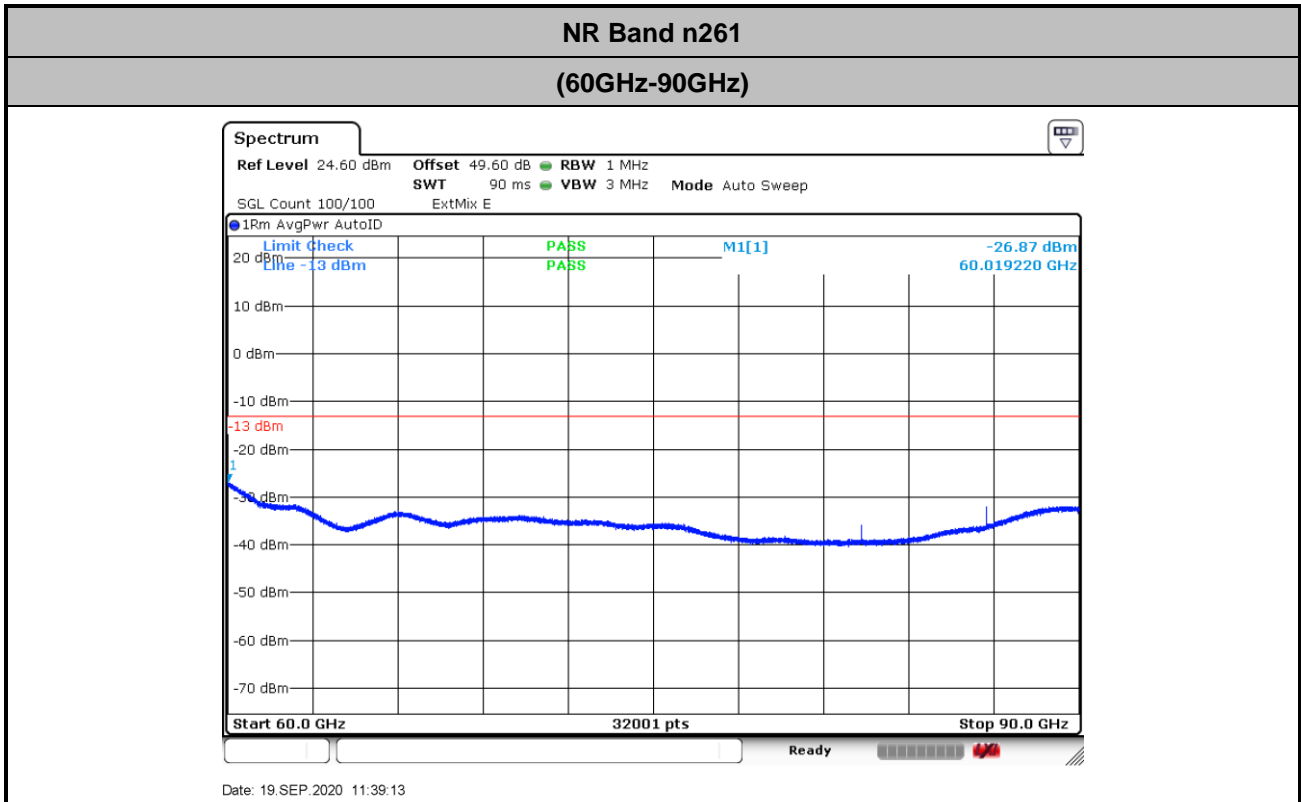
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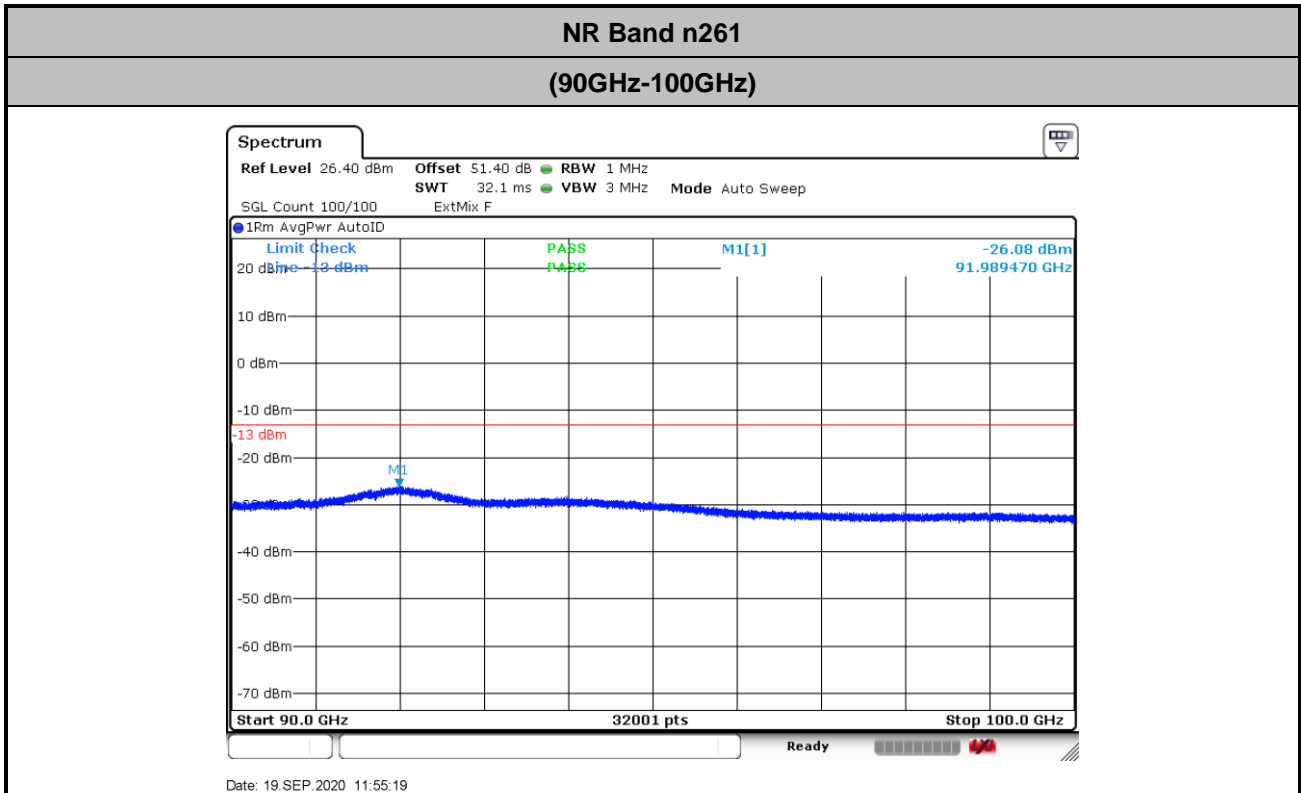
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



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



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 45.2 + 2.2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}
 \end{aligned}$$



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

$$= 47.2 + 2 + 107 + 20\log(1) - 104.8 = 51.4 \text{ (dB)}$$



<TB Mode>

NR Band n261 Module 0 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				400MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.26	45.30	-	-	90.80	90.80	-	-	387.52	387.84	-	-
Middle CH	45.34	45.38	45.12	45.32	90.24	90.52	90.04	90.68	387.04	387.84	387.20	387.36
Highest CH	44.96	45.40	-	-	90.60	90.16	-	-	386.24	387.36	-	-

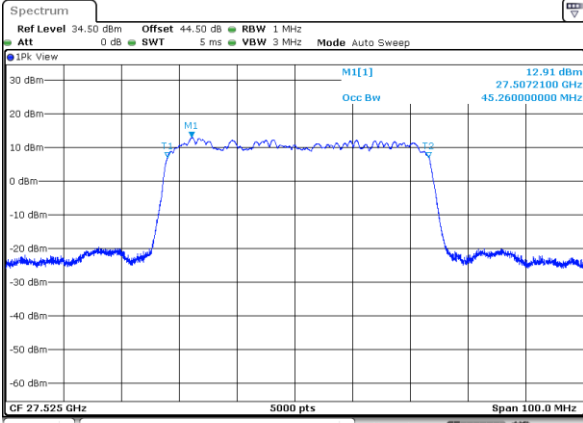
Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.42	-	-	93.08	-	-	390.08	-	-
Middle CH	45.14	45.36	45.42	93.04	92.64	92.64	389.60	389.44	390.72
Highest CH	45.12	-	-	92.64	-	-	388.16	-	-



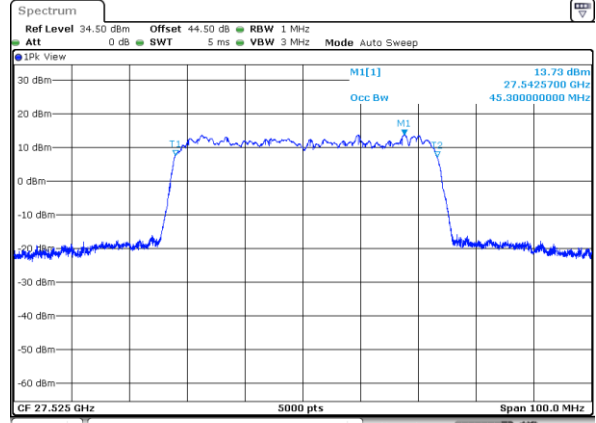
DFT-s-OFDM Module 0

NR Band n261

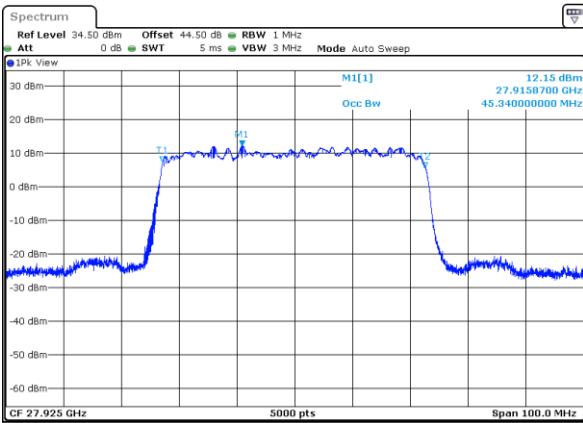
Lowest Channel / 50MHz / BPSK



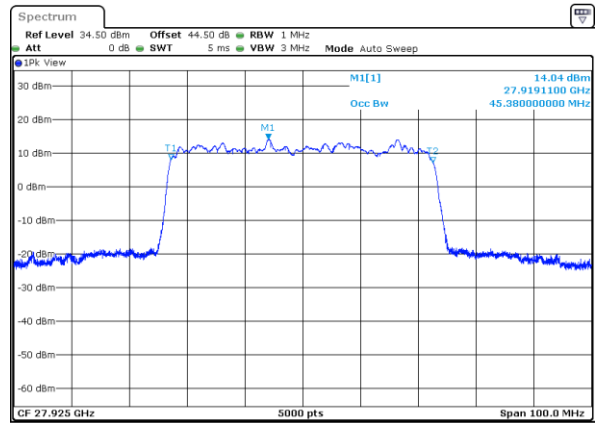
Lowest Channel / 50MHz / QPSK



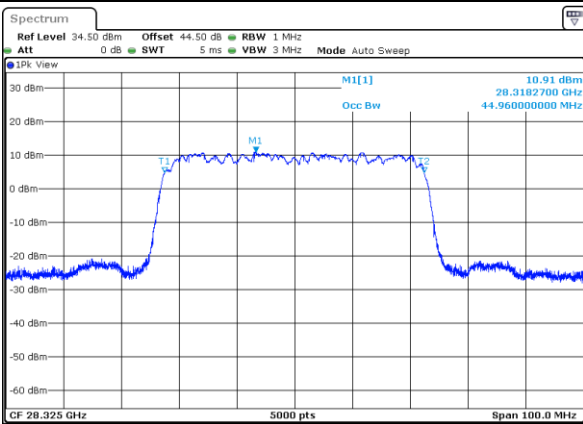
Middle Channel / 50MHz / BPSK



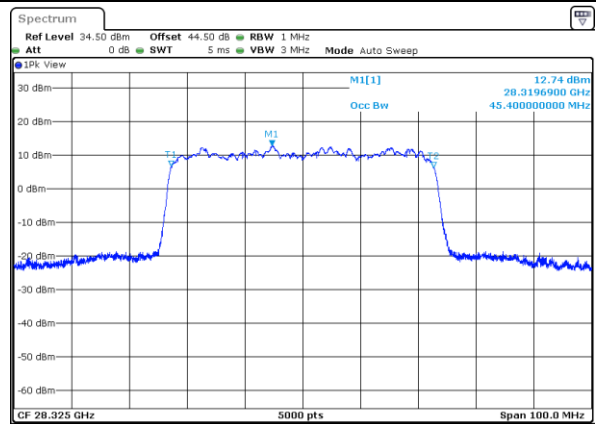
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK

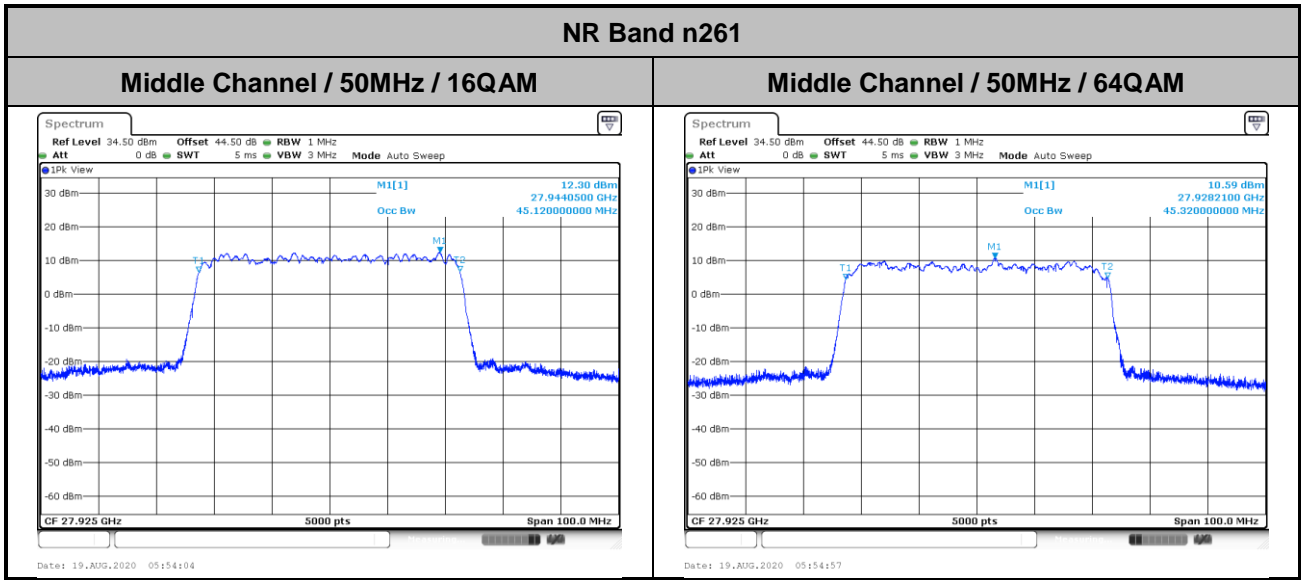


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 0

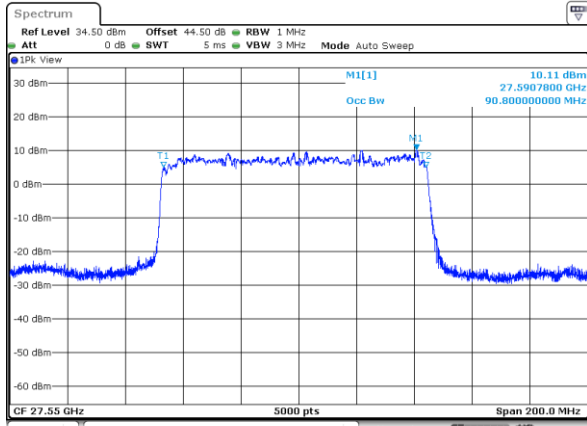




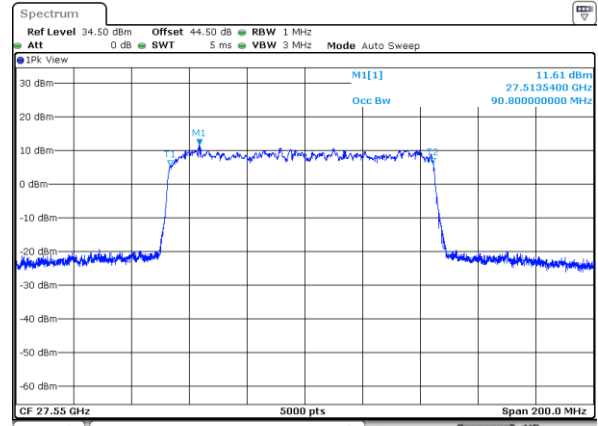
DFT-s-OFDM Module 0

NR Band n261

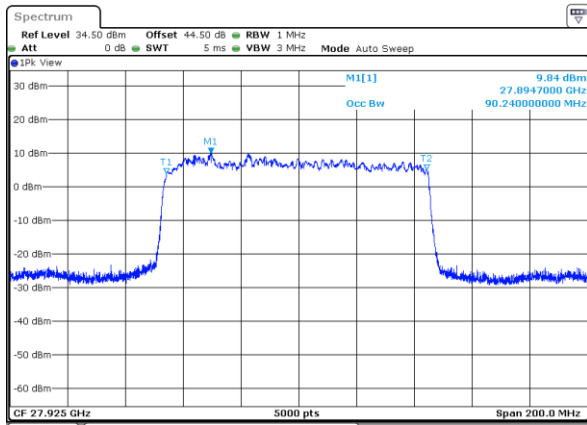
Lowest Channel / 100MHz / BPSK



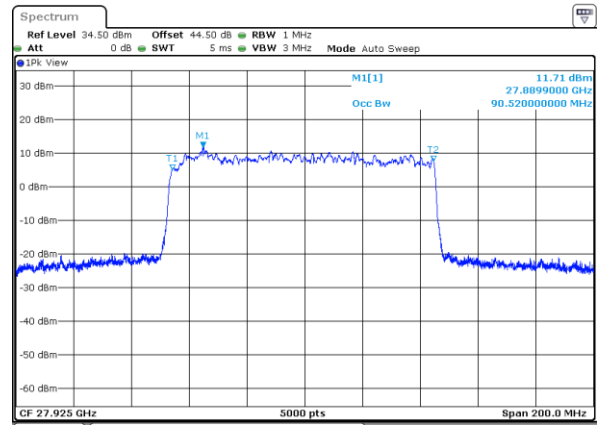
Lowest Channel / 100MHz / QPSK



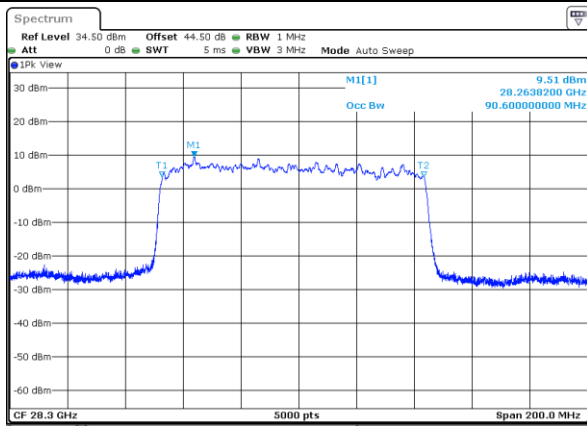
Middle Channel / 100MHz / BPSK



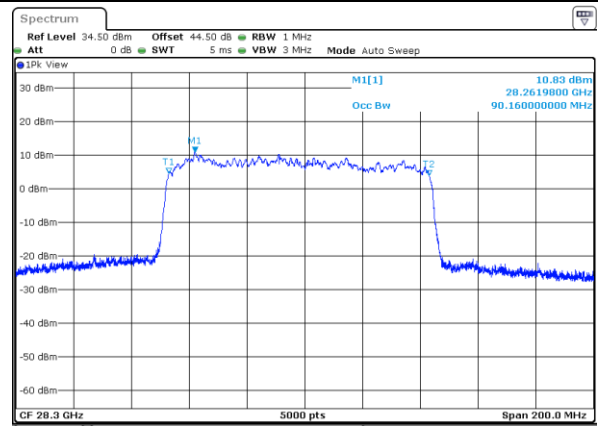
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK

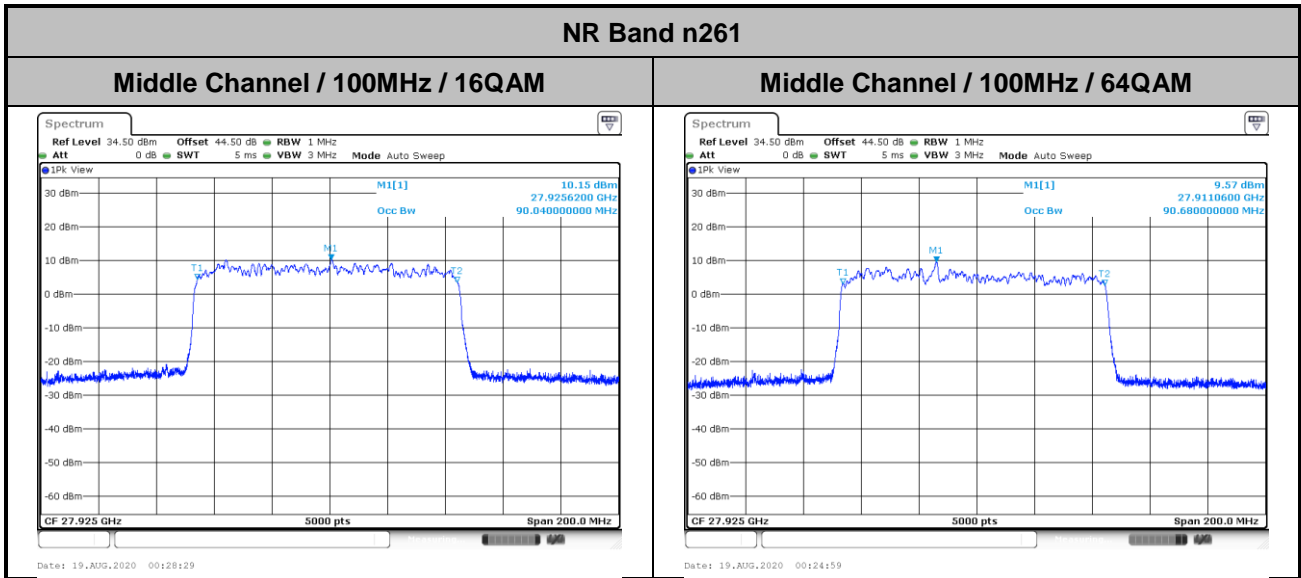


Highest Channel / 100MHz / QPSK





DFT-s-OFDM Module 0

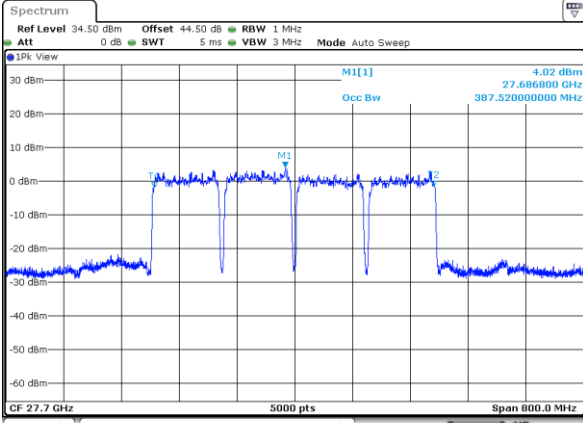




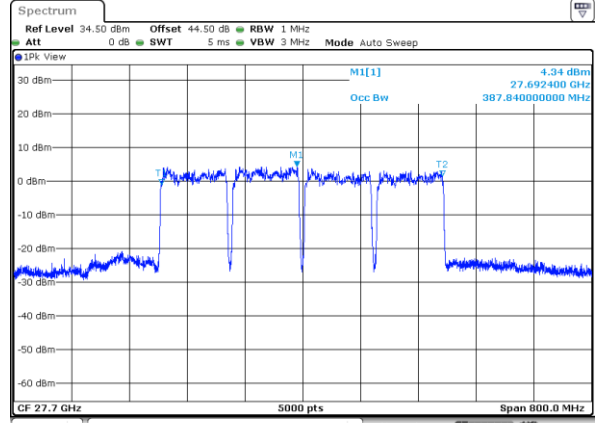
DFT-s-OFDM Module 0

NR Band n261

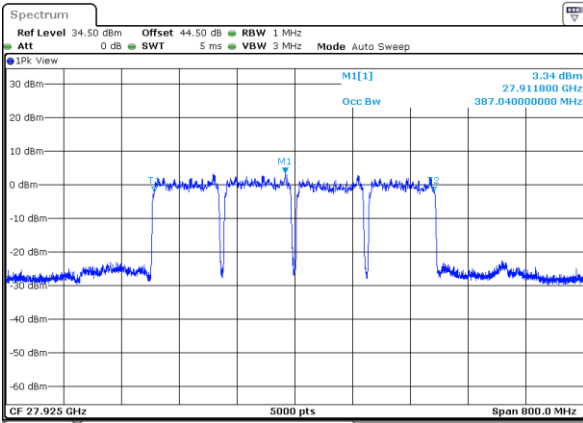
Lowest Channel / 400MHz / BPSK



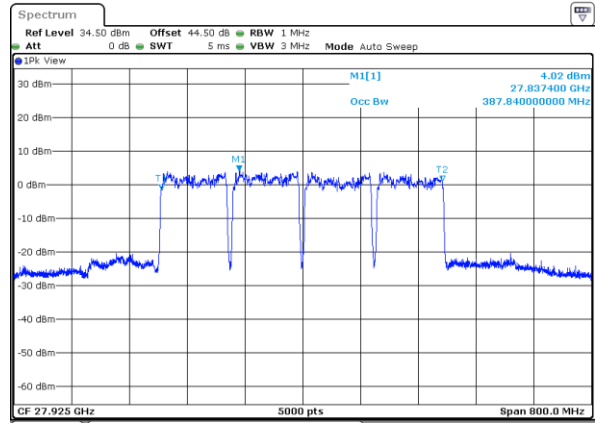
Lowest Channel / 400MHz / QPSK



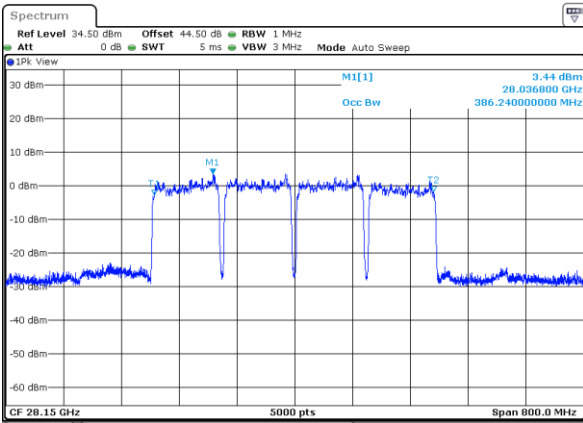
Middle Channel / 400MHz / BPSK



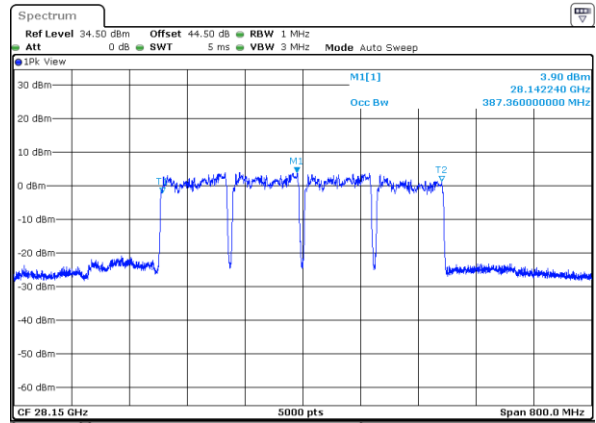
Middle Channel / 400MHz / QPSK



Highest Channel / 400MHz / BPSK

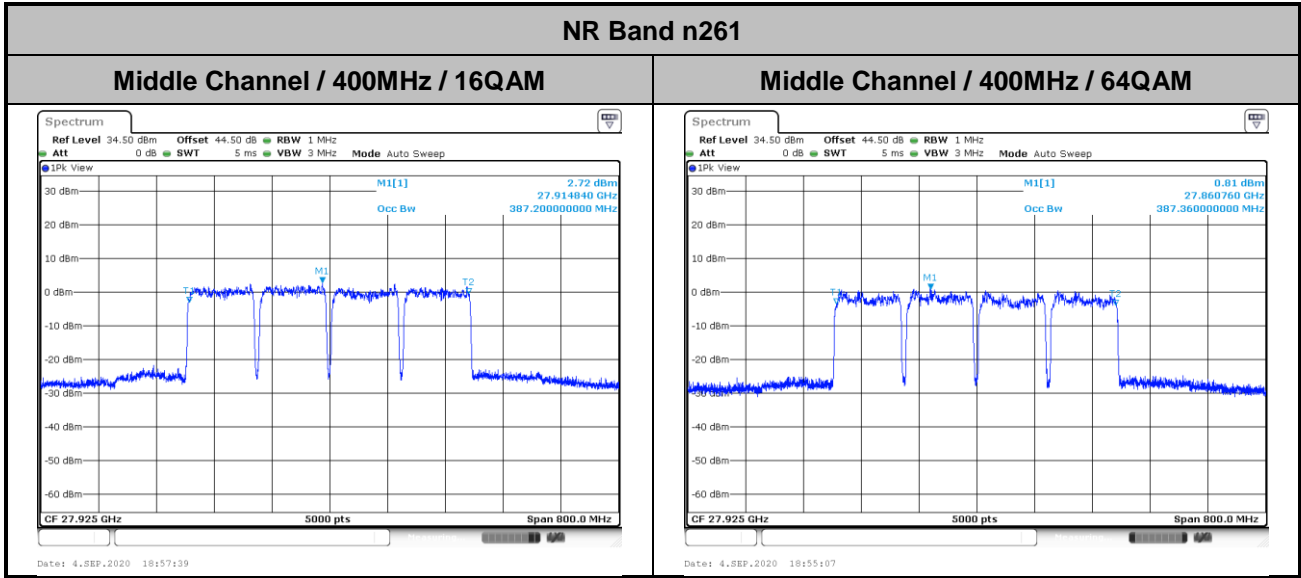


Highest Channel / 400MHz / QPSK





DFT-s-OFDM Module 0

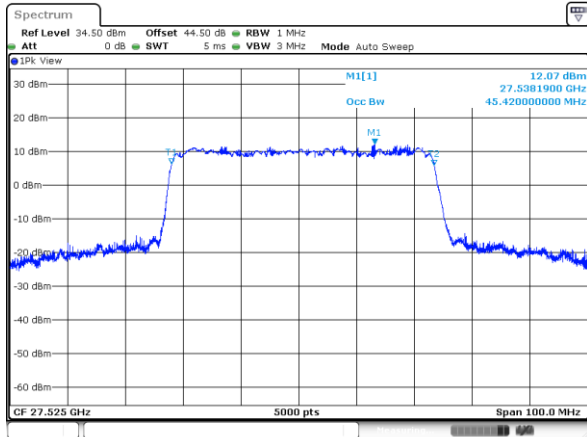




CP-OFDM Module 0

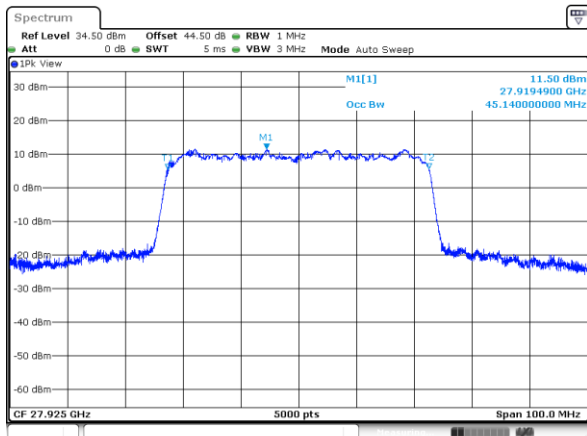
NR Band n261

Lowest Channel / 50MHz / QPSK



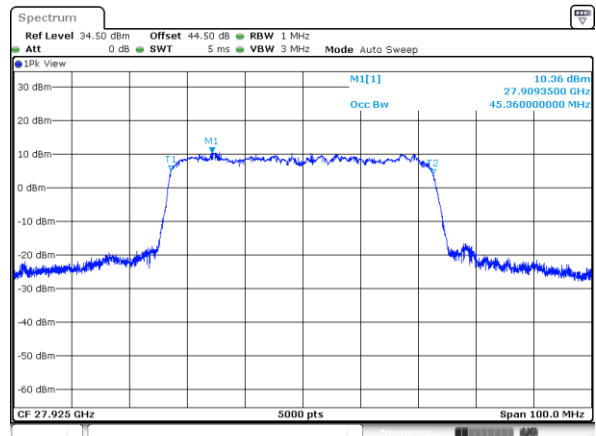
Date: 20, AUG, 2020 03:07:27

Middle Channel / 50MHz / QPSK



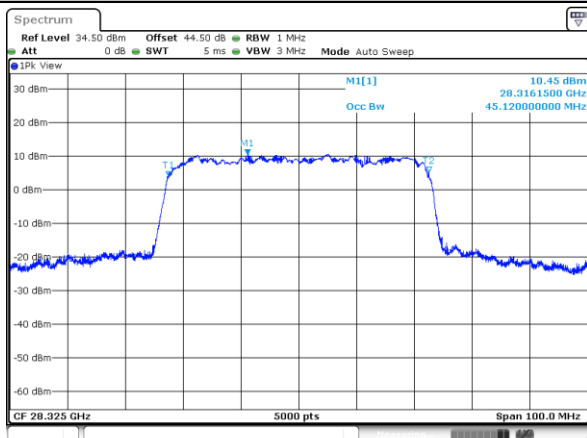
Date: 19, AUG, 2020 06:15:45

Middle Channel / 50MHz / 16QAM



Date: 19, AUG, 2020 06:16:37

Highest Channel / 50MHz / QPSK



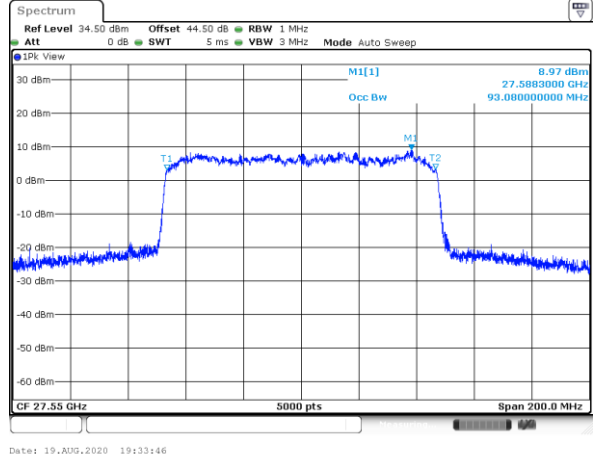
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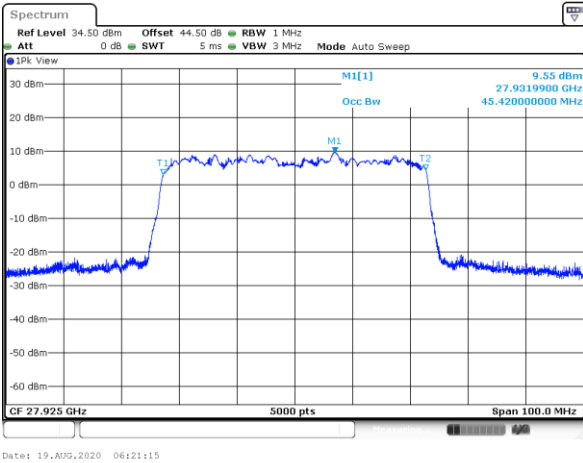
CP-OFDM Module 0

NR Band n261

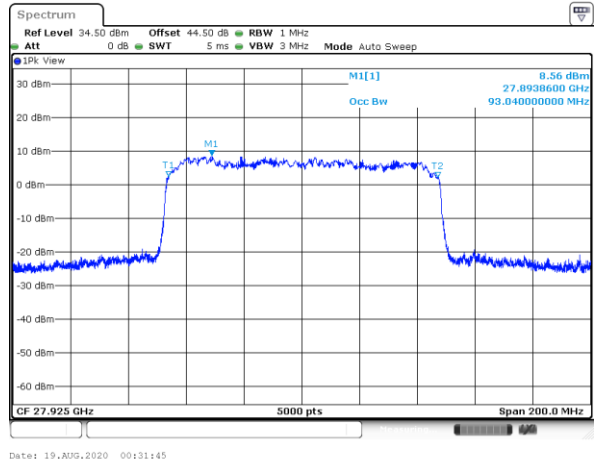
Lowest Channel / 100MHz / QPSK



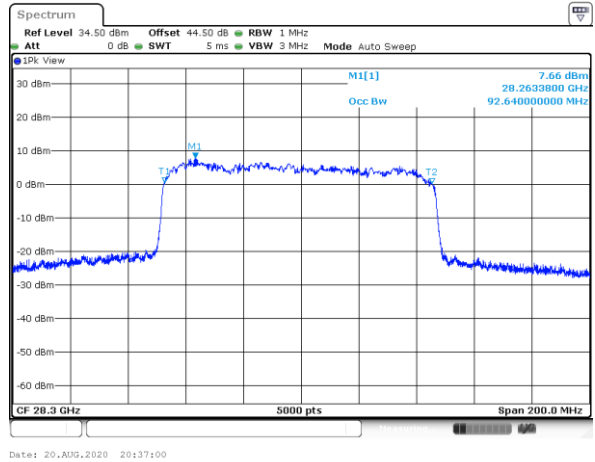
Middle Channel / 50MHz / 64QAM



Middle Channel / 100MHz / QPSK

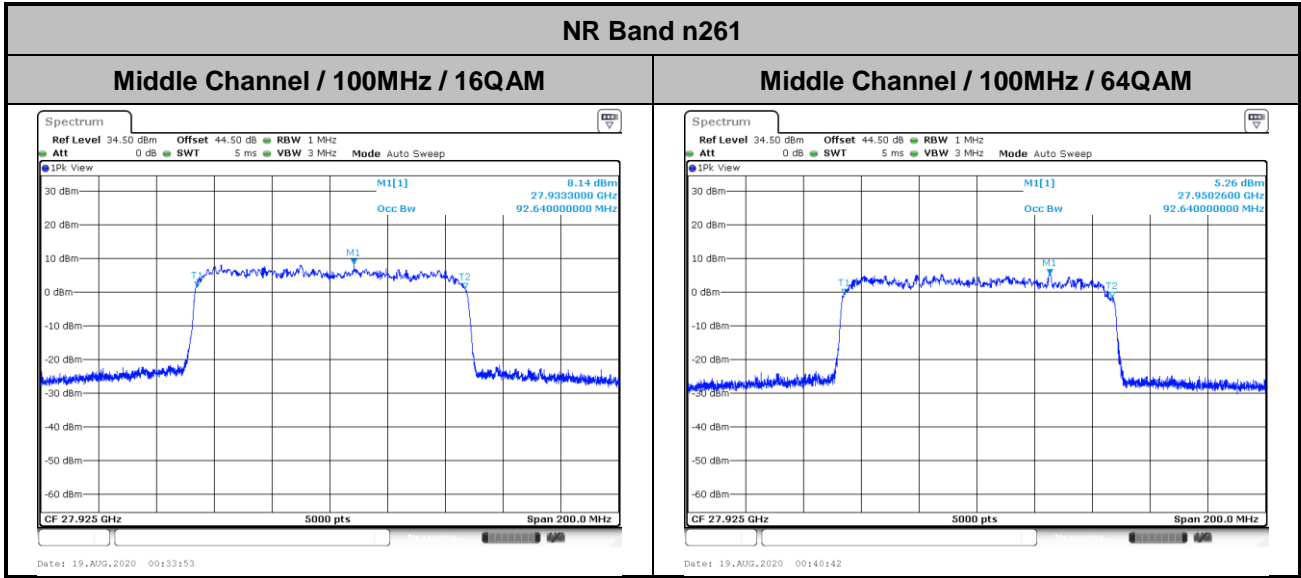


Highest Channel / 100MHz / QPSK





CP-OFDM Module 0

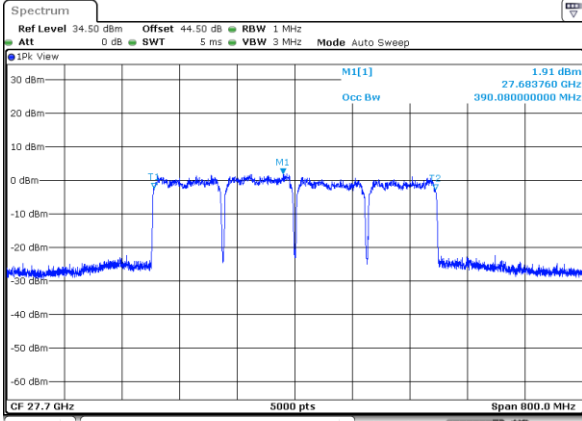




CP-OFDM Module 0

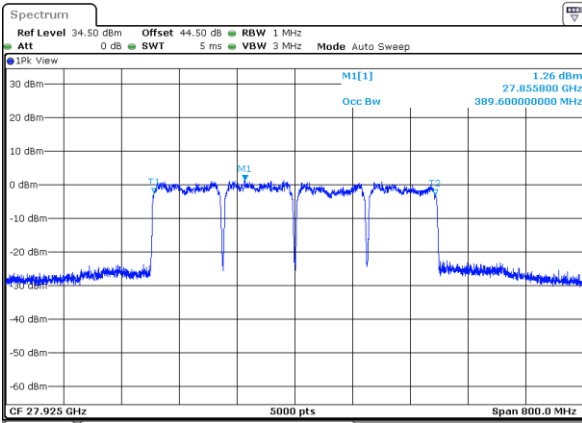
NR Band n261

Lowest Channel / 400MHz / QPSK



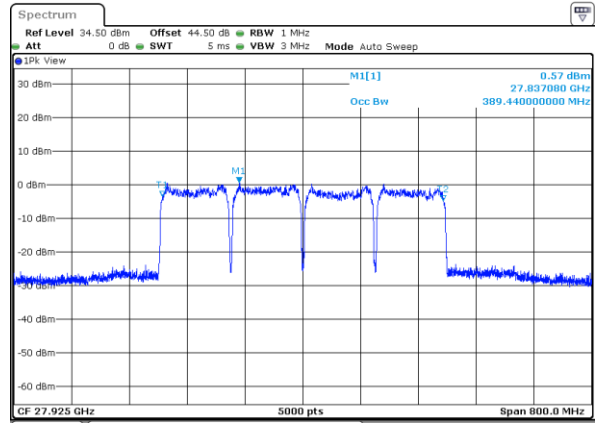
Date: 4.SEP.2020 20:08:02

Middle Channel / 400MHz / QPSK



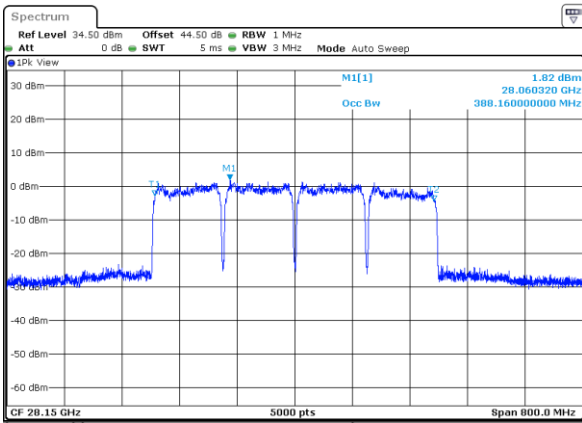
Date: 4.SEP.2020 19:05:10

Middle Channel / 400MHz / 16QAM



Date: 4.SEP.2020 19:07:39

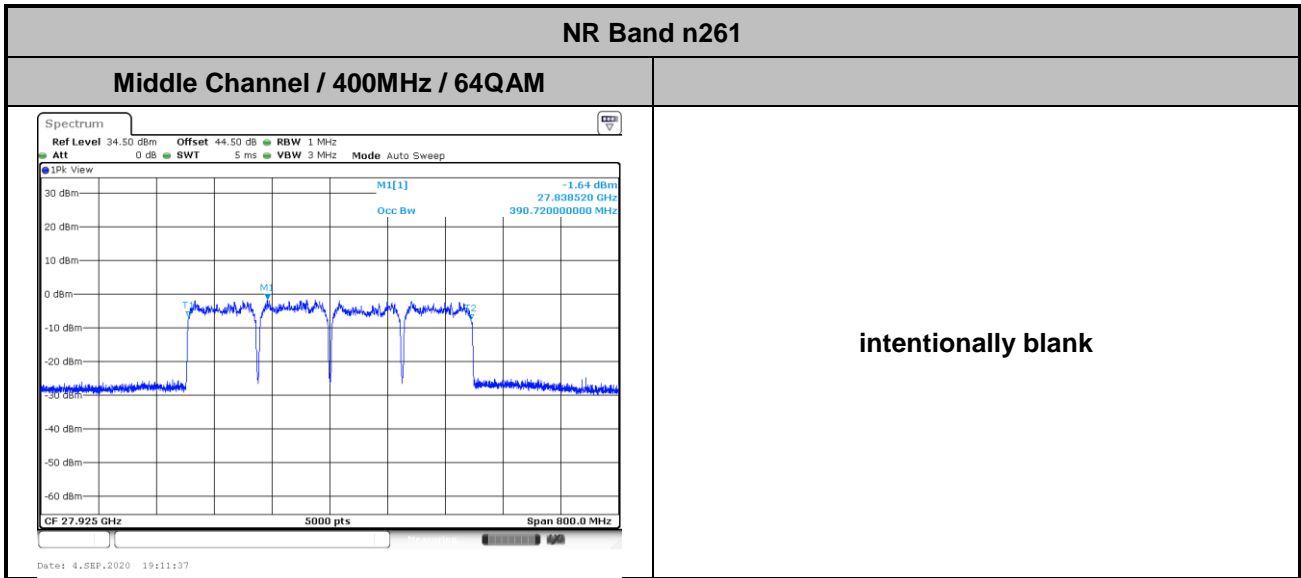
Highest Channel / 400MHz / QPSK



Date: 4.SEP.2020 22:31:50



CP-OFDM Module 0





Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB											
BW			50MHz				100MHz				400MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-24.41	-29.11	-	-	-19.88	-20.34	-	-	-31.01	-30.75	-	-
	>10%OB	≤ -13	-31.2	-31.14	-	-	-31.59	-30.51	-	-	-32	-28.94	-	-
High CH	0~10%OB	≤ -5	-18.61	-18.65	-	-	-27.83	-25.87	-	-	-31.7	-31.73	-	-
	>10%OB	≤ -13	-33.57	-33.28	-	-	-34.28	-33.51	-	-	-32.8	-30.15	-	-
Result			Compliance											

Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB								
BW			50MHz			100MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-24.06	-	-	-22.85	-	-	-31.3	-	-
	>10%OB	≤ -13	-31.35	-	-	-32.02	-	-	-27.16	-	-
High CH	0~10%OB	≤ -5	-21.98	-	-	-29.41	-	-	-30.89	-	-
	>10%OB	≤ -13	-33.9	-	-	-34.36	-	-	-28.57	-	-
Result			Compliance								

Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) Full RB											
BW			50MHz				100MHz				400MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-29.11	-30.35	-	-	-30.25	-28.14	-	-	-31.9	-29.87	-	-
	>10%OB	≤ -13	-31.14	-31.69	-	-	-32.05	-29.65	-	-	-32.03	-30.05	-	-
High CH	0~10%OB	≤ -5	-30.57	-25.88	-	-	-33.59	-30.63	-	-	-33.42	-32.45	-	-
	>10%OB	≤ -13	-34.48	-32.14	-	-	-34.37	-33.71	-	-	-33.24	-32.97	-	-
Result			Compliance											

Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) Full RB								
BW			50MHz			100MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-26.28	-	-	-30.33	-	-	-32.47	-	-
	>10%OB	≤ -13	-27.34	-	-	-31.07	-	-	-32.24	-	-
High CH	0~10%OB	≤ -5	-26.66	-	-	-31.6	-	-	-33.37	-	-
	>10%OB	≤ -13	-32.9	-	-	-34.08	-	-	-33.83	-	-
Result			Compliance								

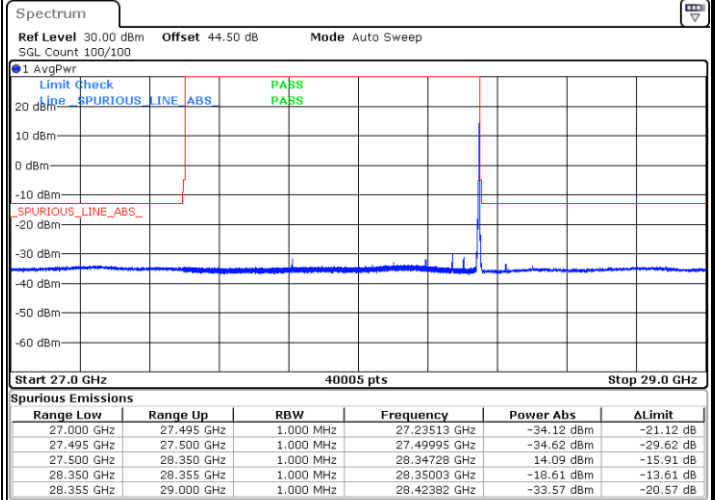
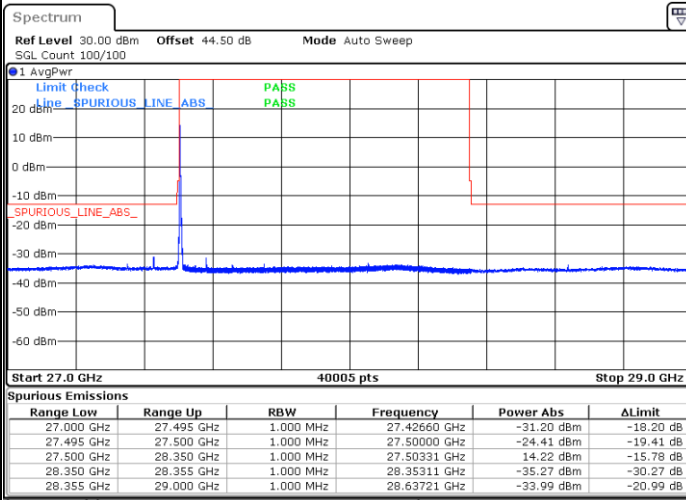


DFT-s-OFDM Module 0

NR Band n261 / 50MHz / BPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



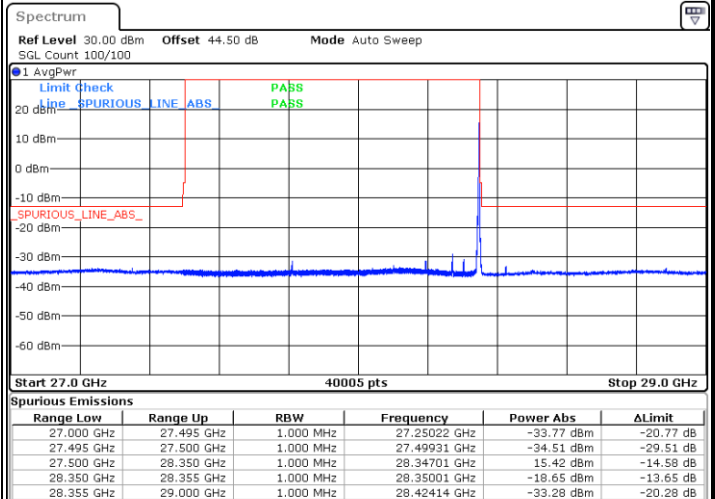
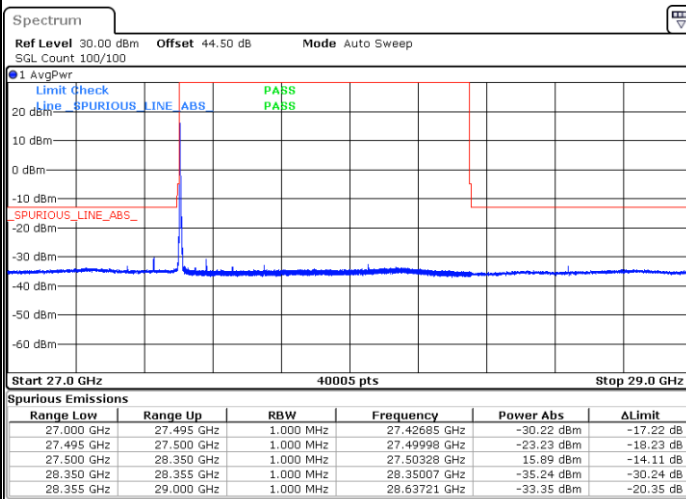
Date: 20.AUG.2020 03:27:51

Date: 20.AUG.2020 07:28:16

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 20.AUG.2020 03:25:23

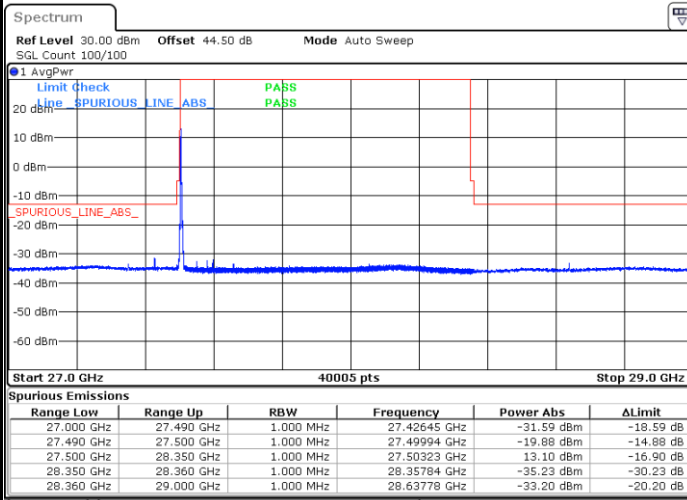
Date: 20.AUG.2020 07:27:16



DFT-s-OFDM Module 0

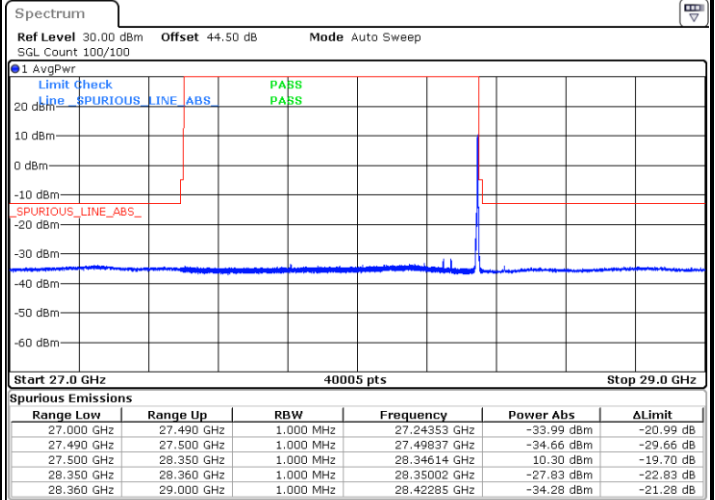
NR Band n261 / 100MHz / BPSK

Lowest Band Edge / 1 RB



Date: 19.AUG.2020 18:59:39

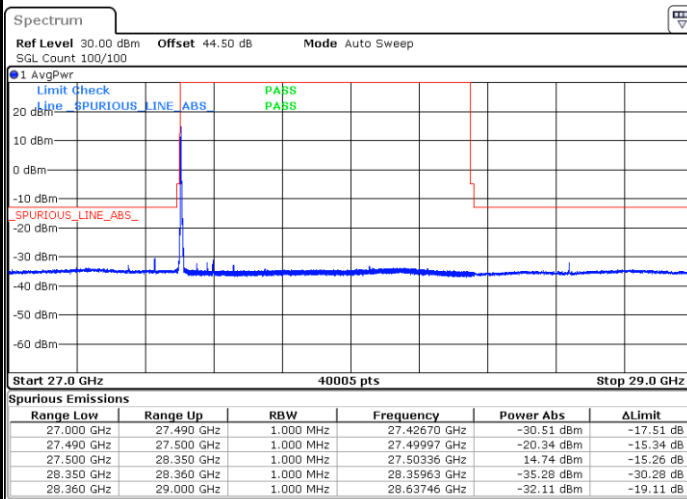
Highest Band Edge / 1 RB



Date: 20.AUG.2020 20:09:23

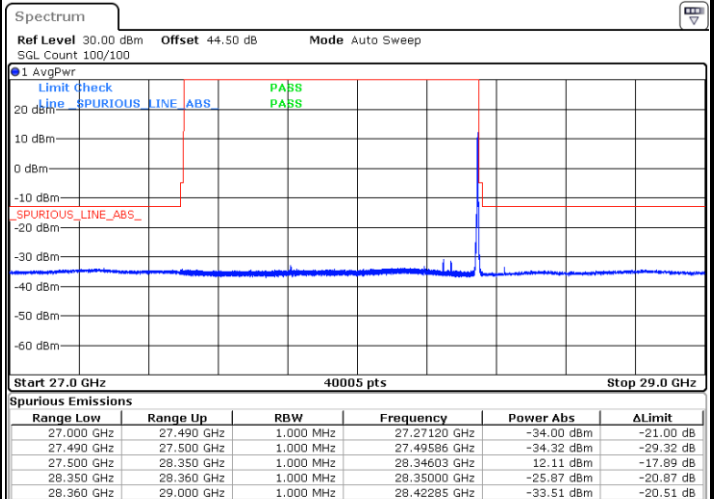
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Date: 19.AUG.2020 19:03:14

Highest Band Edge / 1 RB



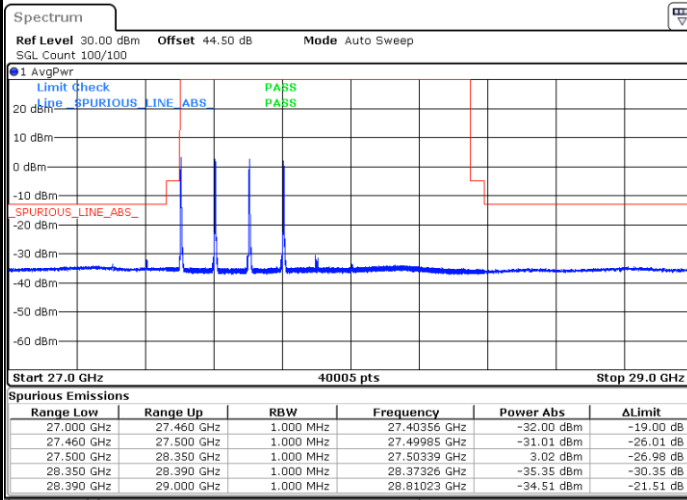
Date: 20.AUG.2020 20:10:48



DFT-s-OFDM Module 0

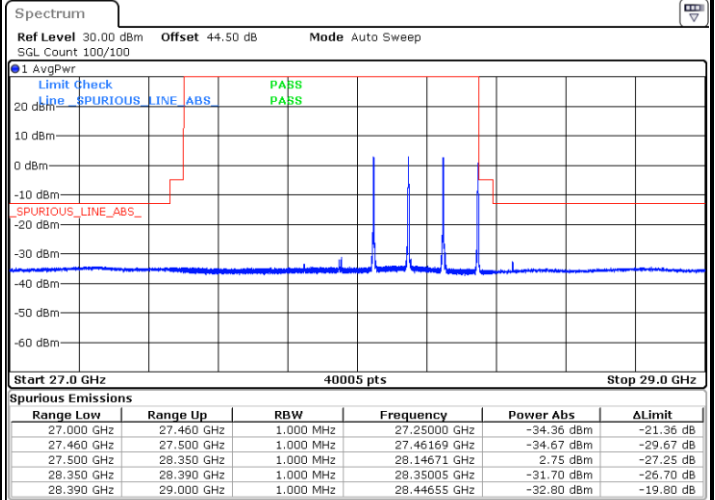
NR Band n261 / 400MHz / BPSK

Lowest Band Edge / 1 RB



Date: 4.SEP.2020 19:40:46

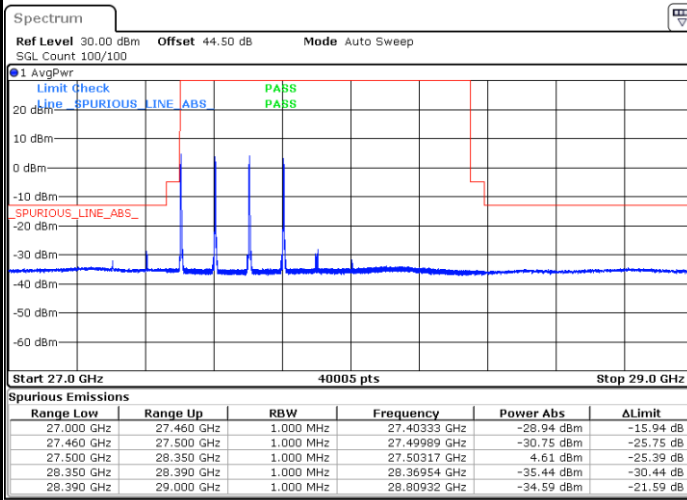
Highest Band Edge / 1 RB



Date: 4.SEP.2020 21:33:45

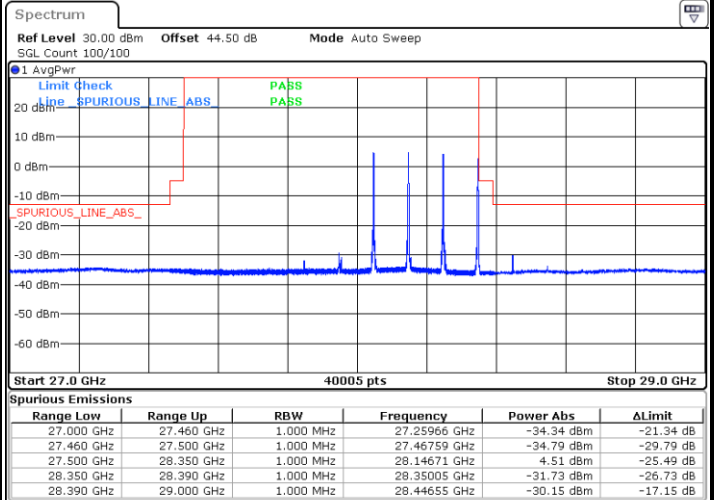
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB



Date: 4.SEP.2020 19:44:29

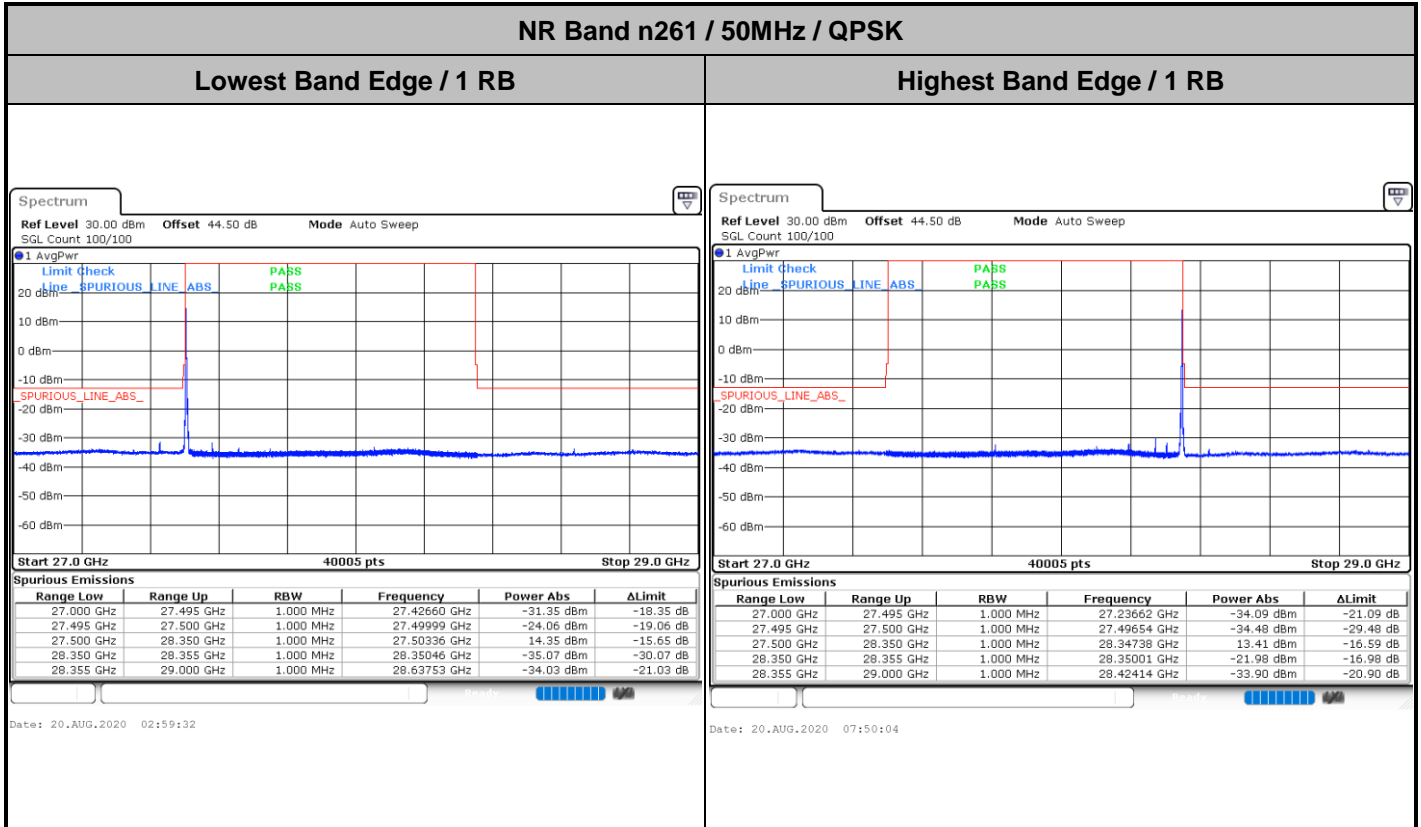
Highest Band Edge / 1 RB



Date: 4.SEP.2020 21:35:02



CP-OFDM Module 0



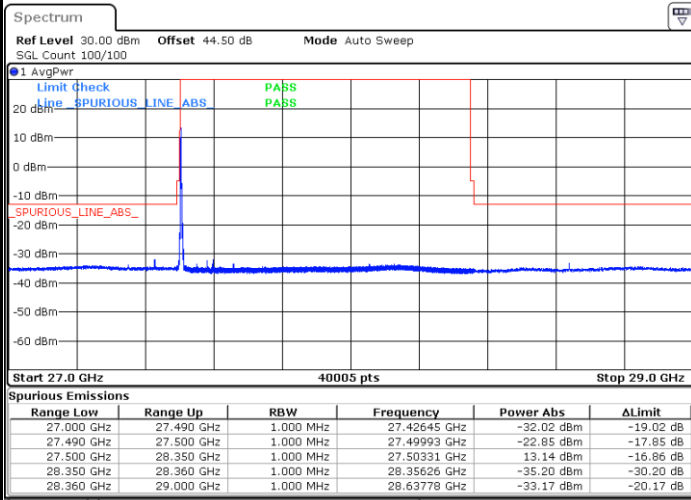


CP-OFDM Module 0

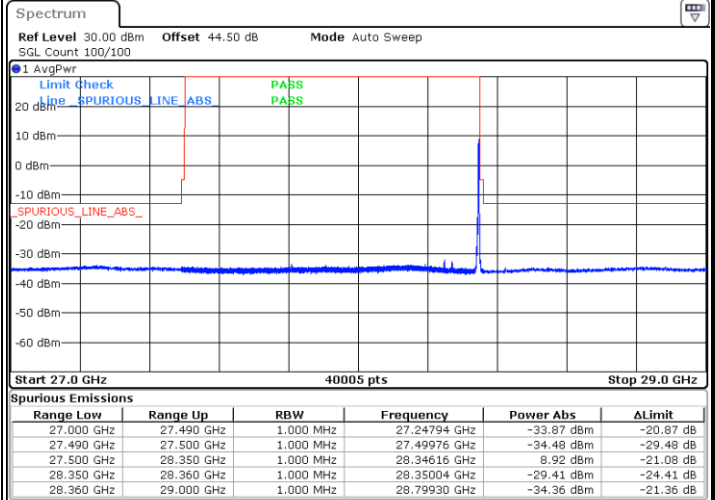
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 19.AUG.2020 19:28:59



Date: 20.AUG.2020 20:38:25

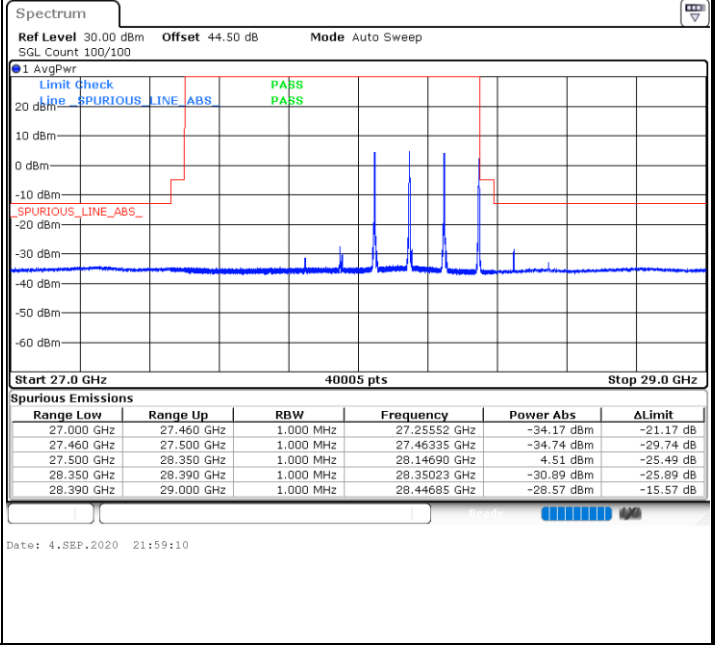
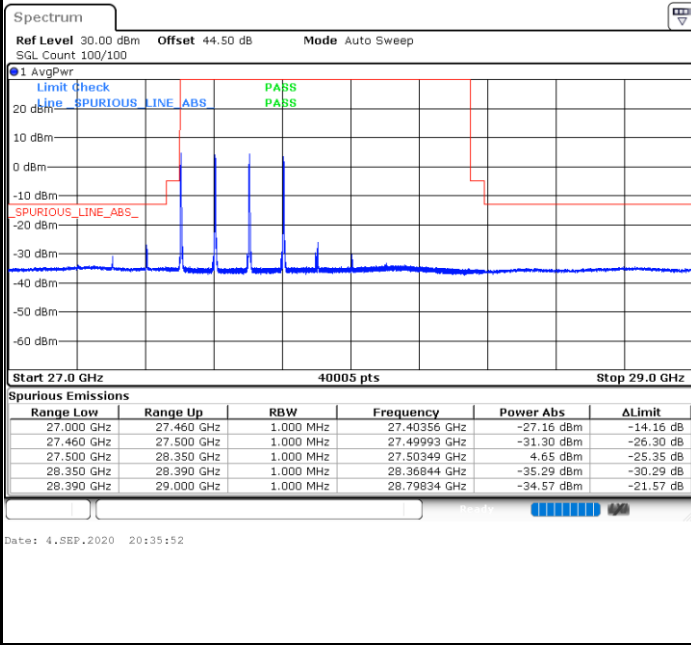


CP-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

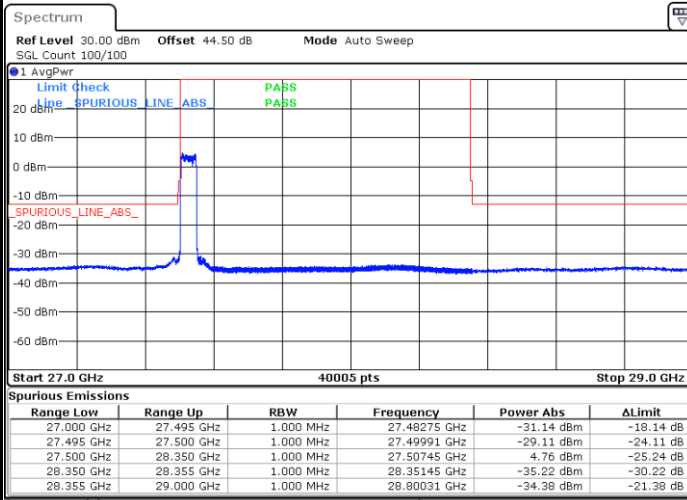




DFT-s-OFDM Module 0

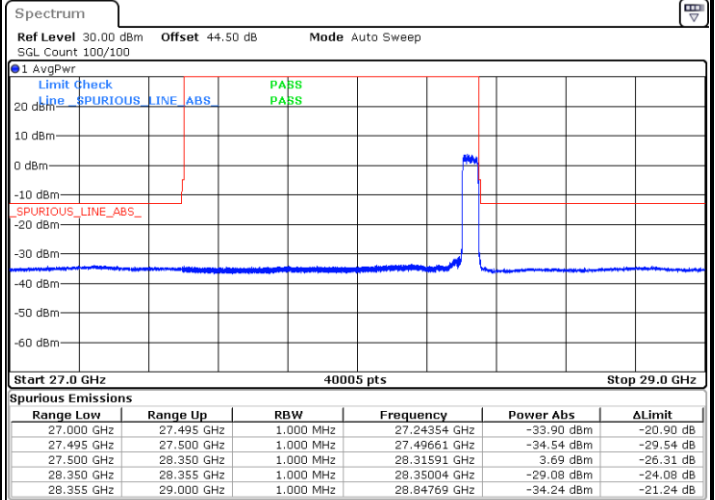
NR Band n261 / 50MHz / BPSK

Lowest Band Edge / Full RB



Date: 20.AUG.2020 03:19:40

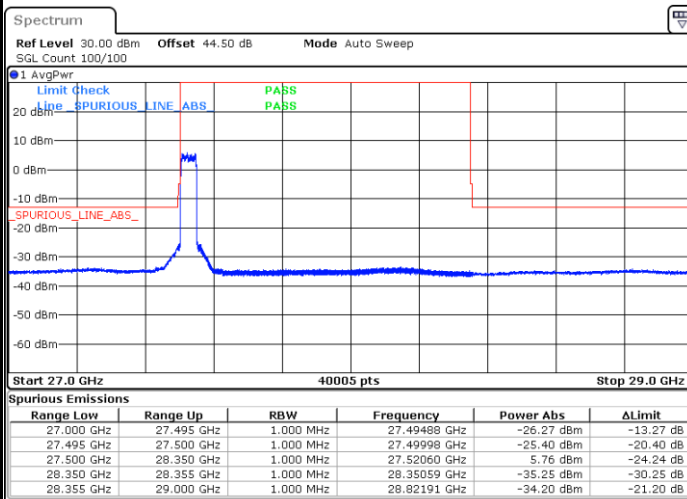
Highest Band Edge / Full RB



Date: 20.AUG.2020 07:36:43

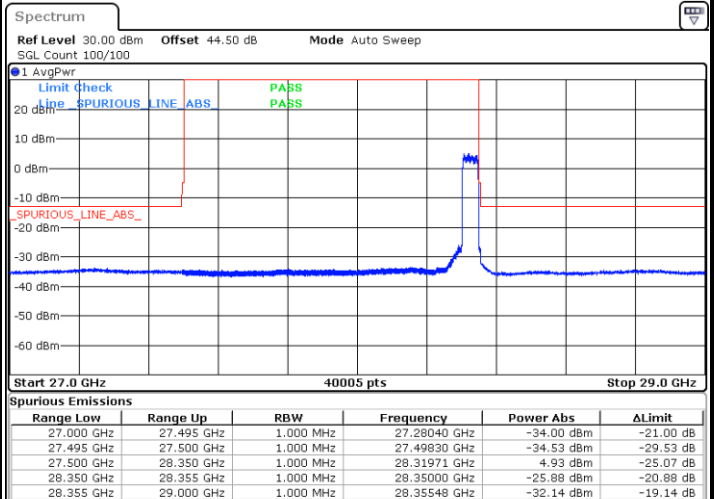
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 20.AUG.2020 03:15:53

Highest Band Edge / Full RB



Date: 20.AUG.2020 07:32:05

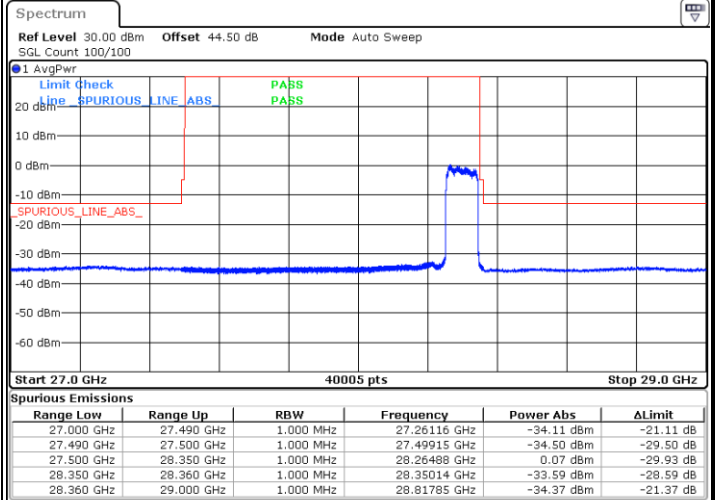
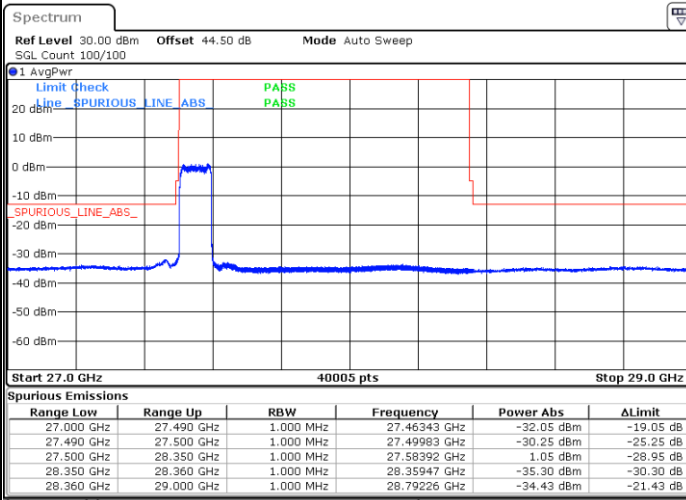


DFT-s-OFDM Module 0

NR Band n261 / 100MHz / BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



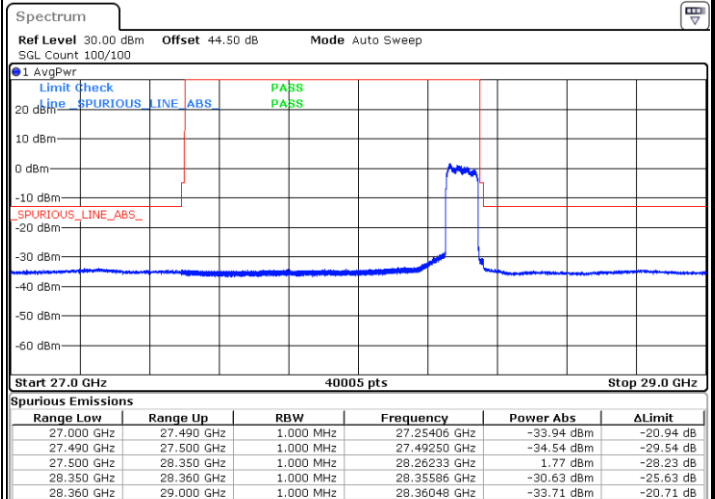
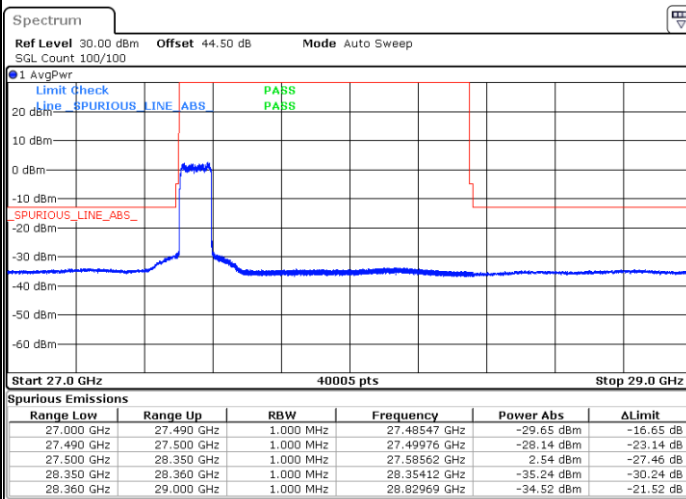
Date: 19.AUG.2020 19:21:19

Date: 20.AUG.2020 20:08:05

NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.AUG.2020 19:19:20

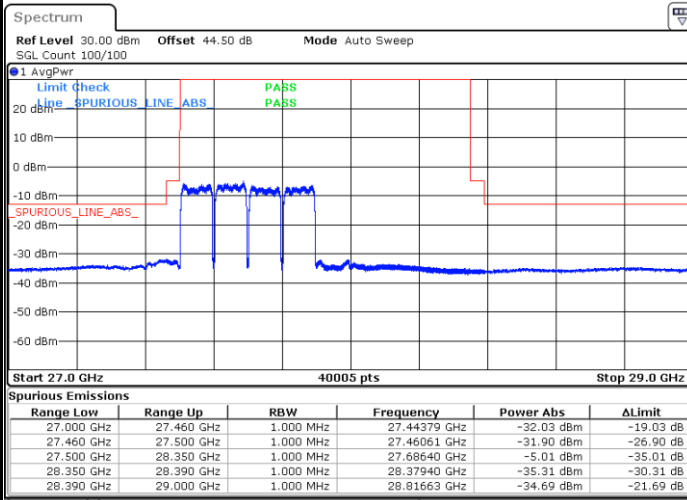
Date: 20.AUG.2020 20:04:49



DFT-s-OFDM Module 0

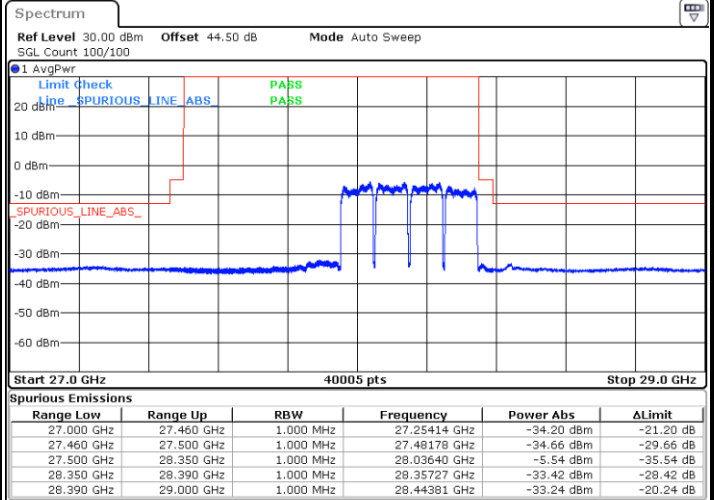
NR Band n261 / 400MHz / BPSK

Lowest Band Edge / Full RB



Date: 4.SEP.2020 20:06:22

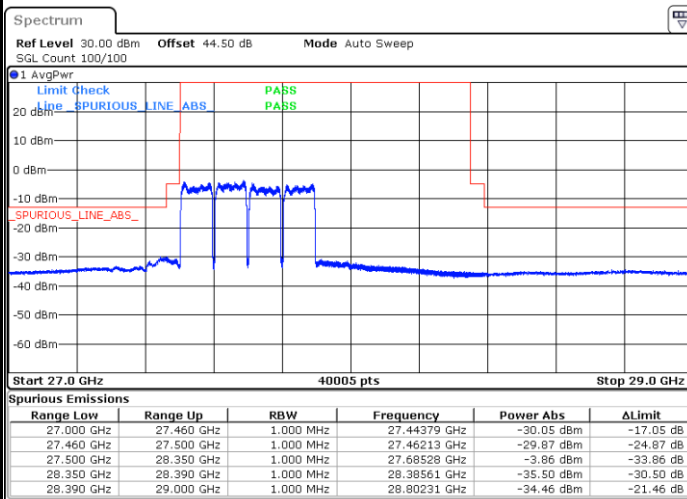
Highest Band Edge / Full RB



Date: 4.SEP.2020 21:13:35

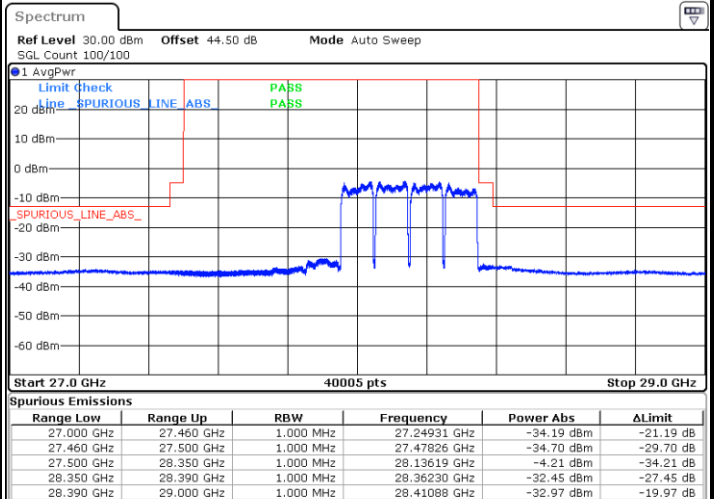
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 4.SEP.2020 20:02:45

Highest Band Edge / Full RB



Date: 4.SEP.2020 21:02:31

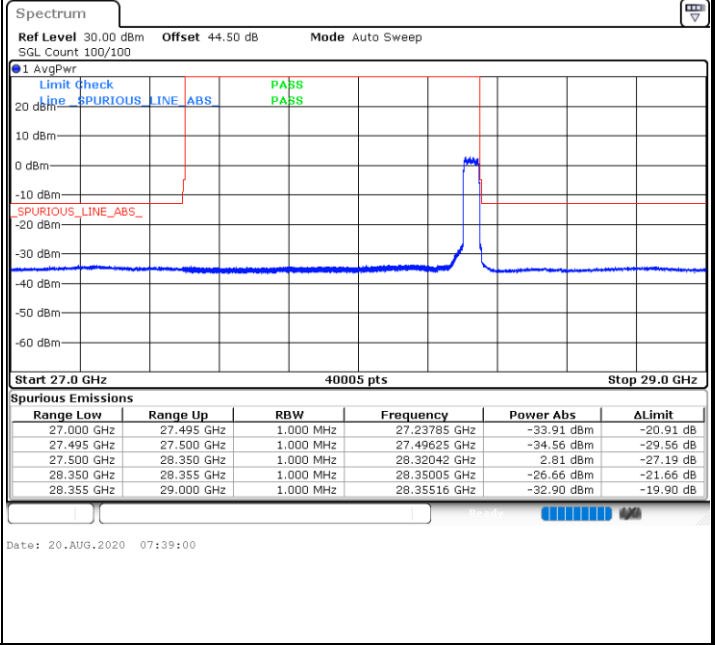
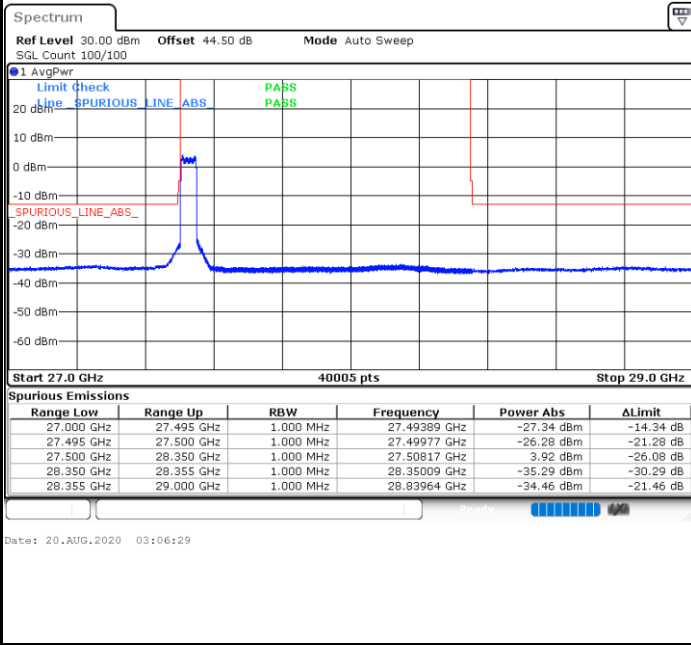


CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

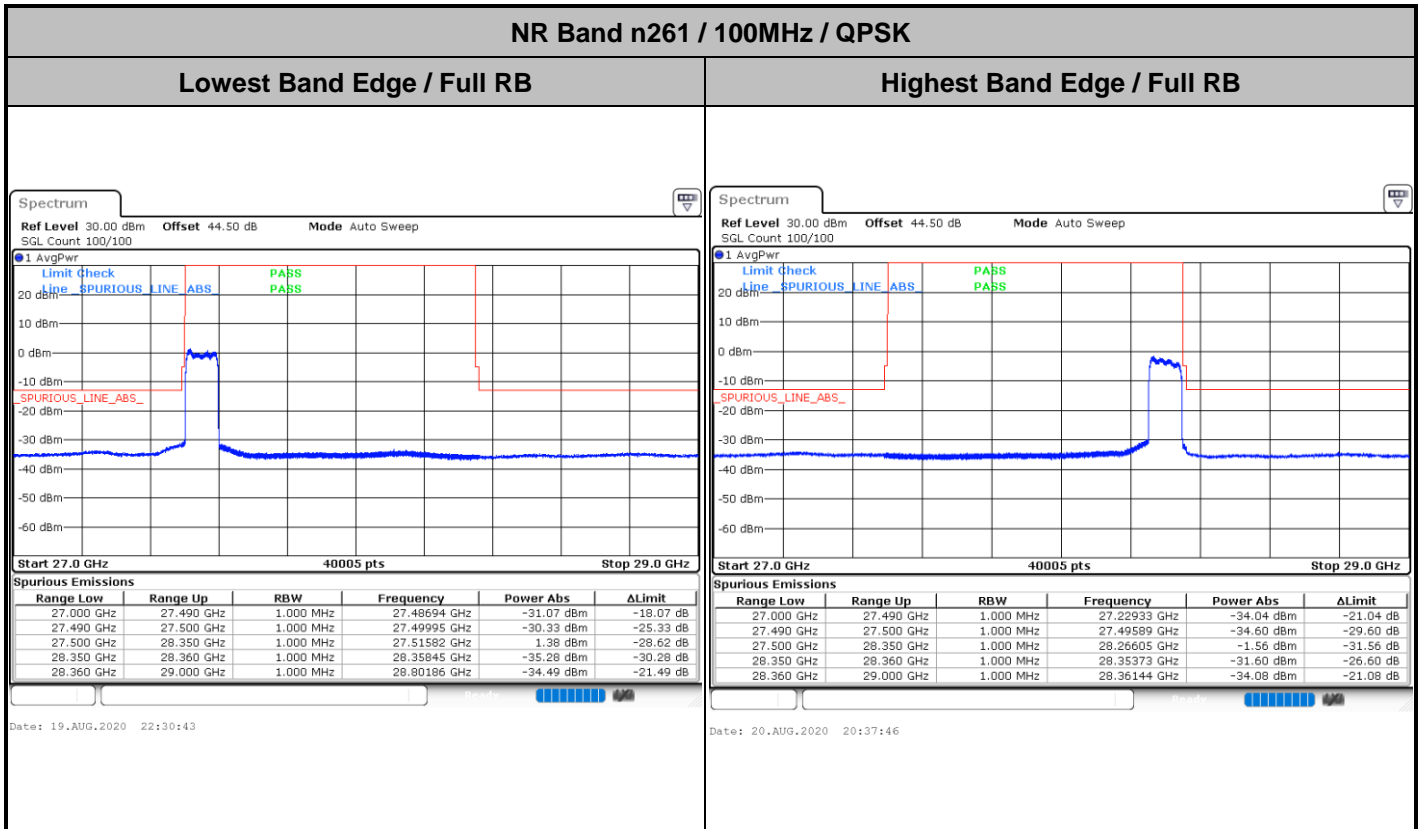
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





CP-OFDM Module 0



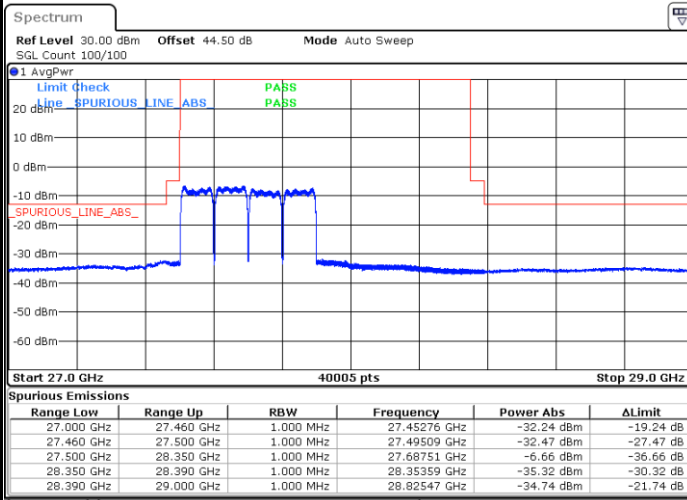


CP-OFDM Module 0

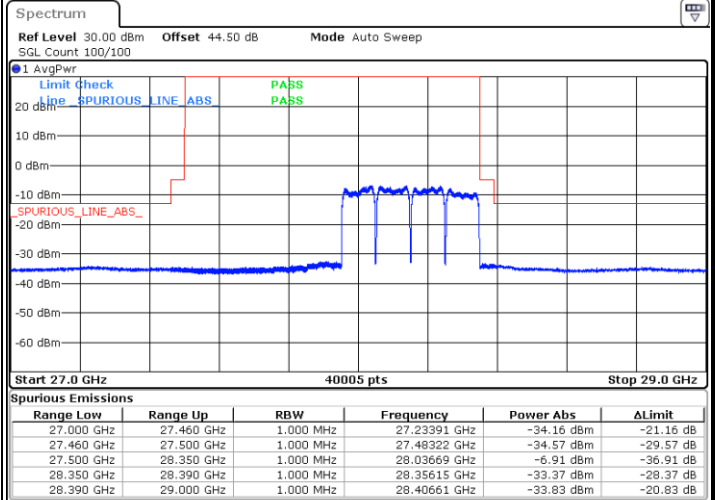
NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.SEP.2020 20:09:02



Date: 4.SEP.2020 22:32:26

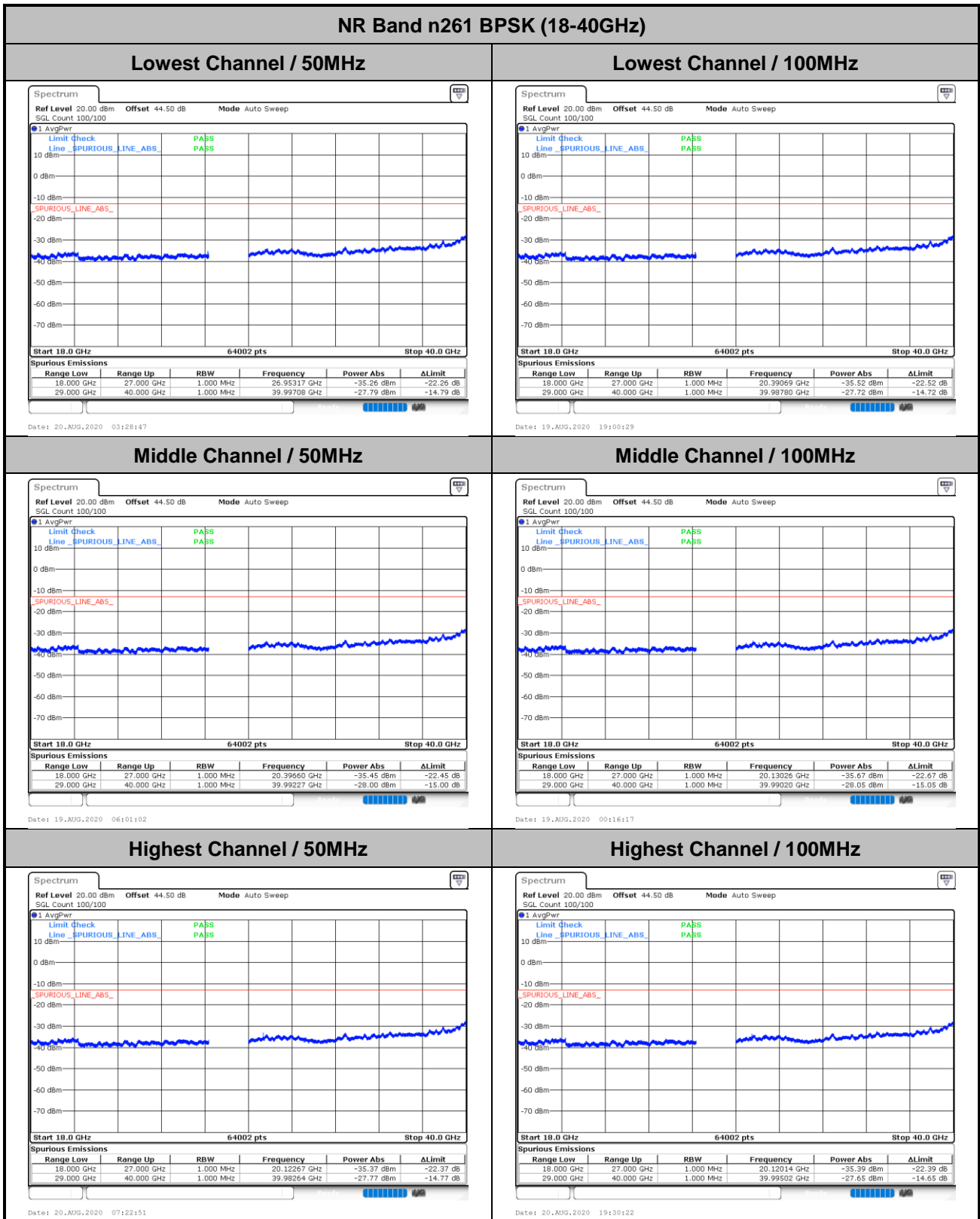


Spurious Emission



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

DFT-s-OFDM Module 0

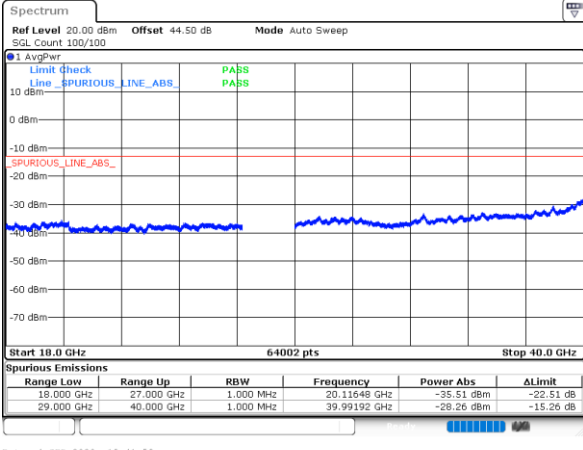




DFT-s-OFDM Module 0

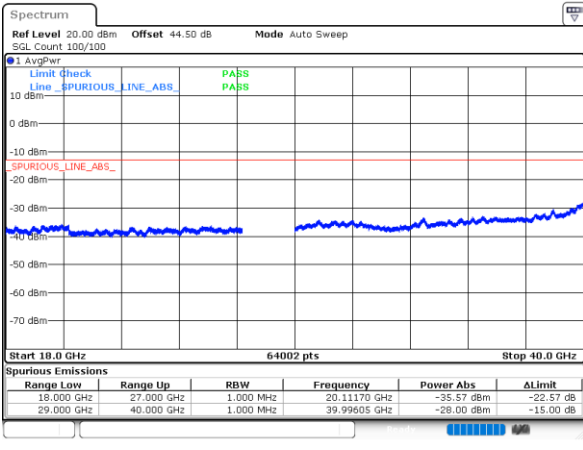
NR Band n261 BPSK (18-40GHz)

Lowest Channel / 400MHz



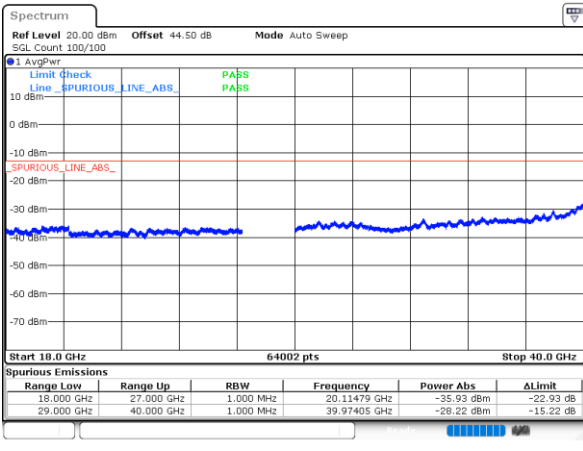
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



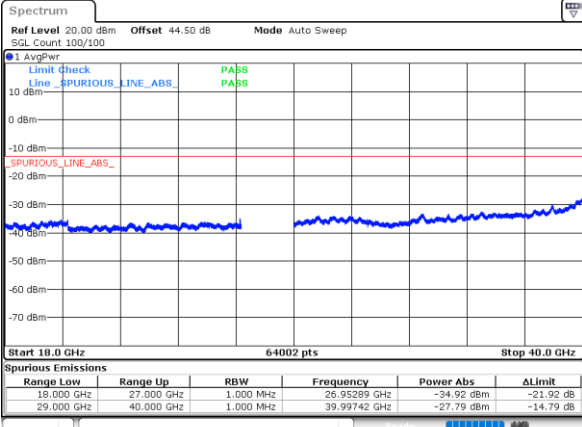
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DFT-s-OFDM Module 0

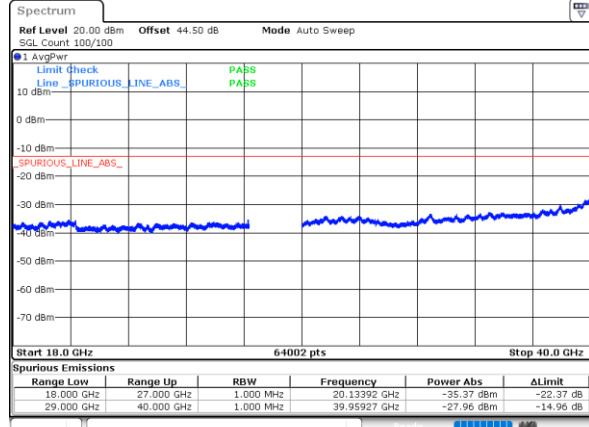
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



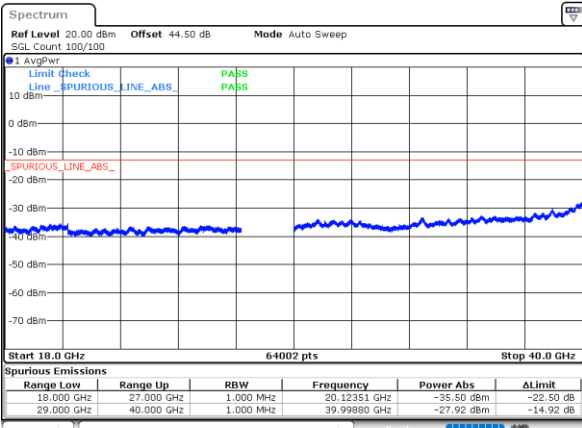
Date: 20_AUG,2020 03:26:16

Lowest Channel / 100MHz



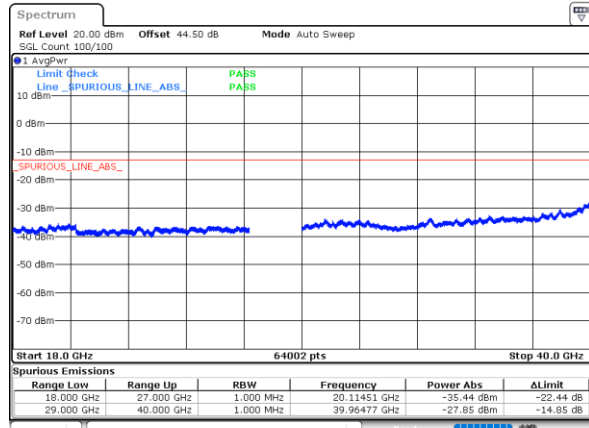
Date: 19_AUG,2020 19:02:23

Middle Channel / 50MHz



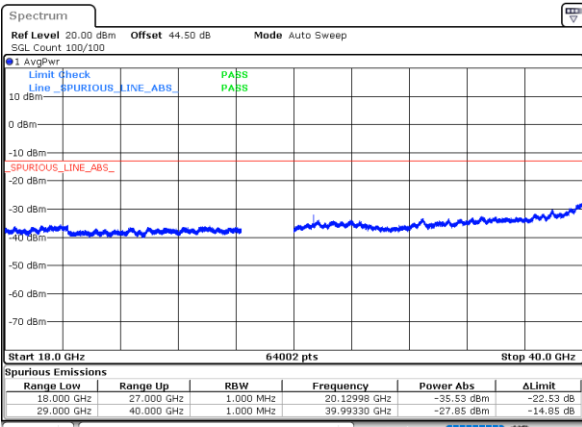
Date: 19_AUG,2020 06:02:50

Middle Channel / 100MHz



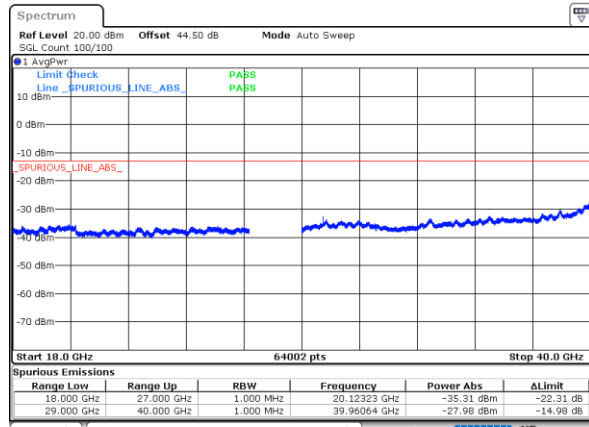
Date: 19_AUG,2020 00:20:54

Highest Channel / 50MHz



Date: 20_AUG,2020 07:19:57

Highest Channel / 100MHz



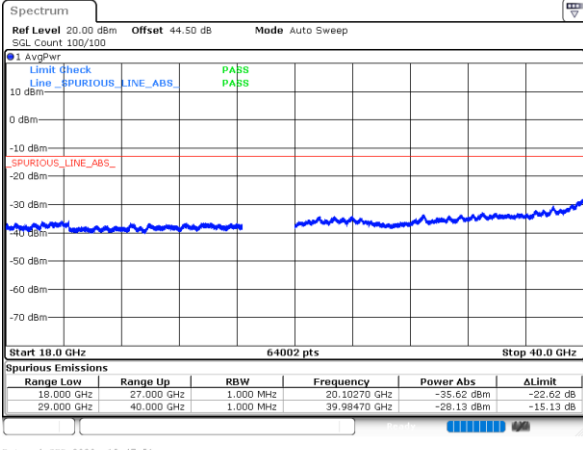
Date: 20_AUG,2020 19:32:22



DFT-s-OFDM Module 0

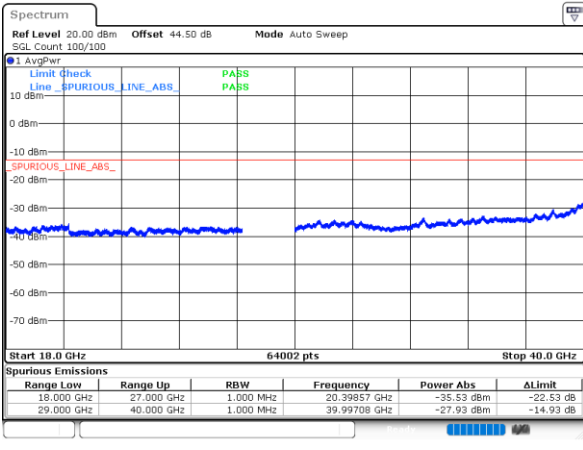
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



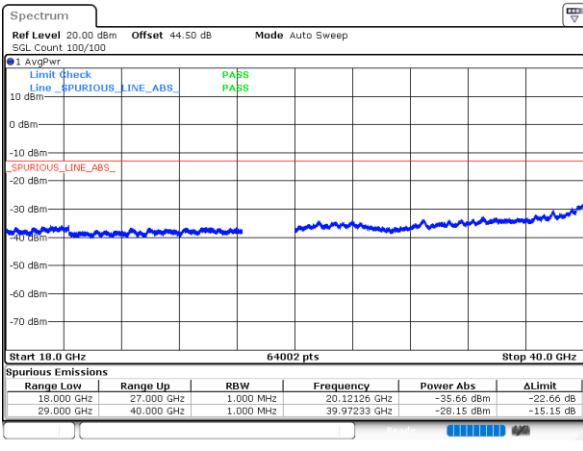
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



intentionally blank