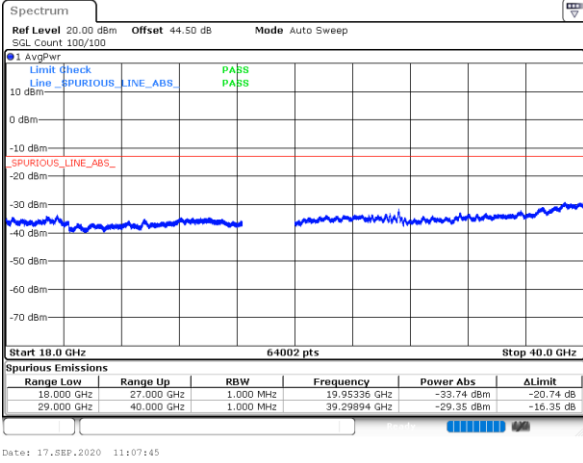




DFT-s-OFDM Module 0

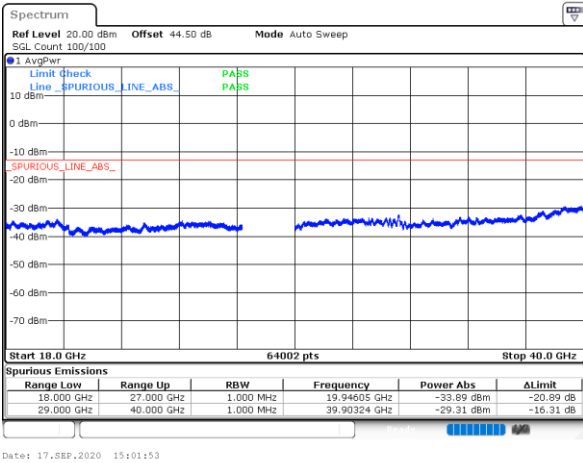
NR Band n261 BPSK (18-40GHz)

Lowest Channel / 400MHz



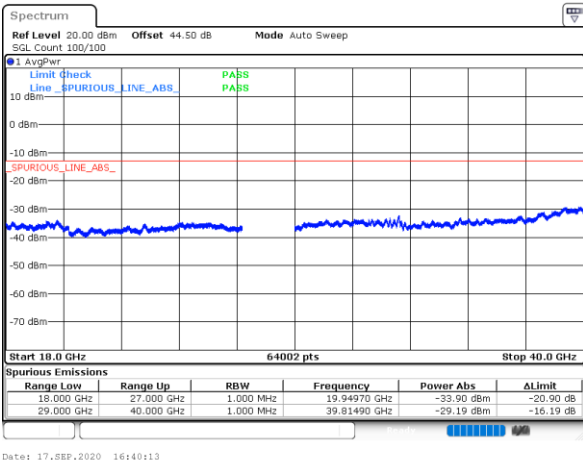
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



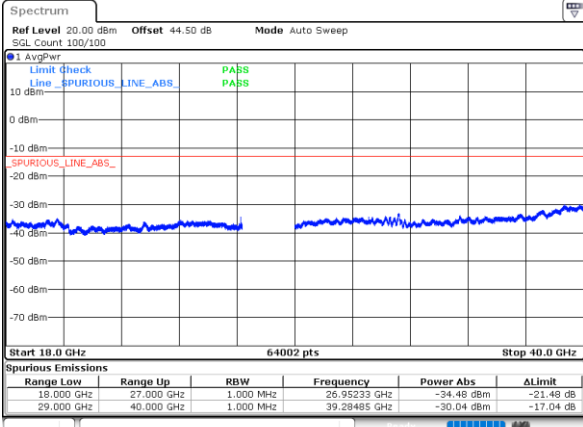
intentionally blank



DFT-s-OFDM Module 0

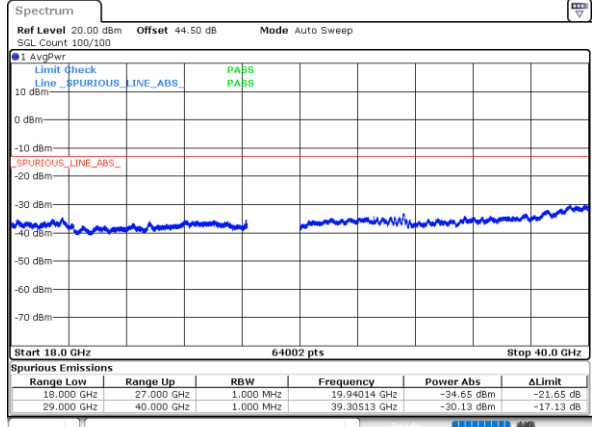
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



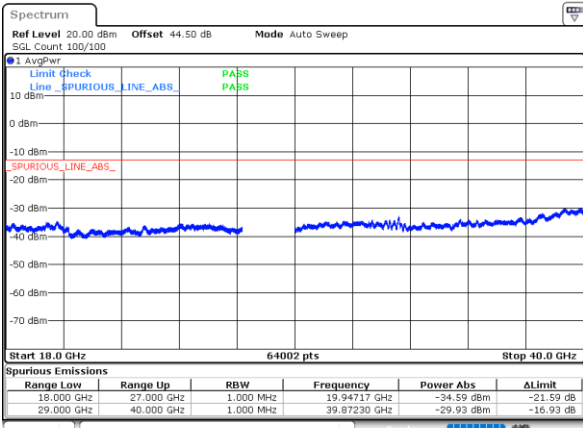
Date: 14_SEP.2020 01:43:03

Lowest Channel / 100MHz



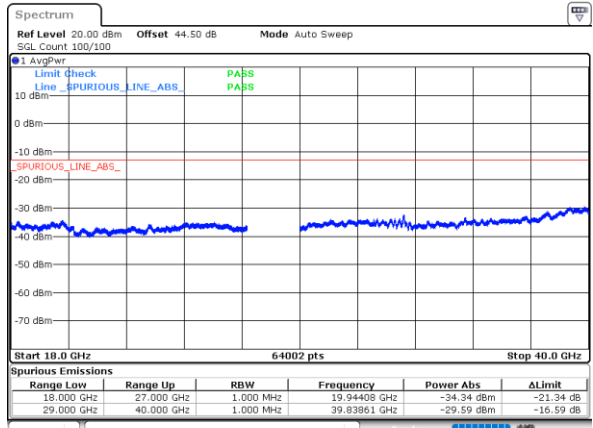
Date: 14_SEP.2020 02:47:58

Middle Channel / 50MHz



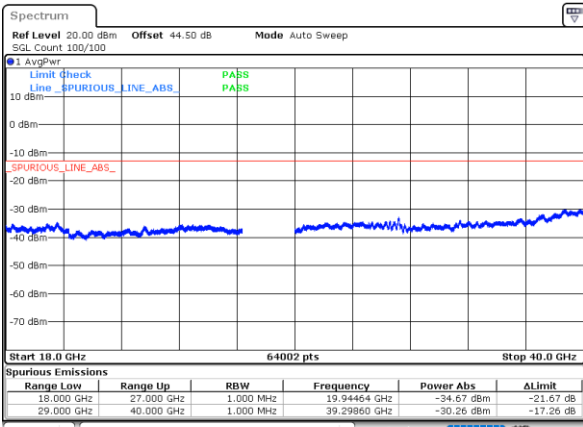
Date: 13_SEP.2020 00:34:46

Middle Channel / 100MHz



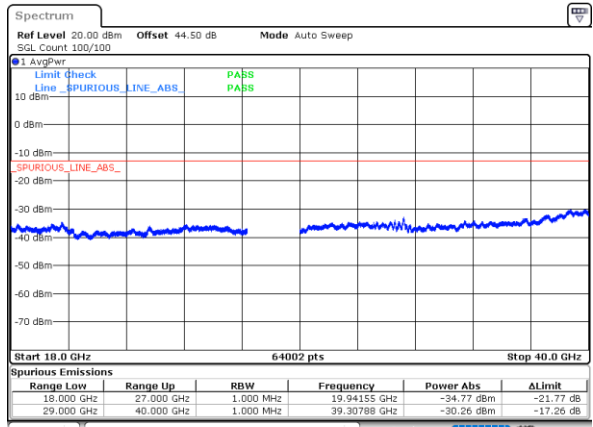
Date: 26_AUG.2020 16:18:01

Highest Channel / 50MHz



Date: 14_SEP.2020 03:47:01

Highest Channel / 100MHz



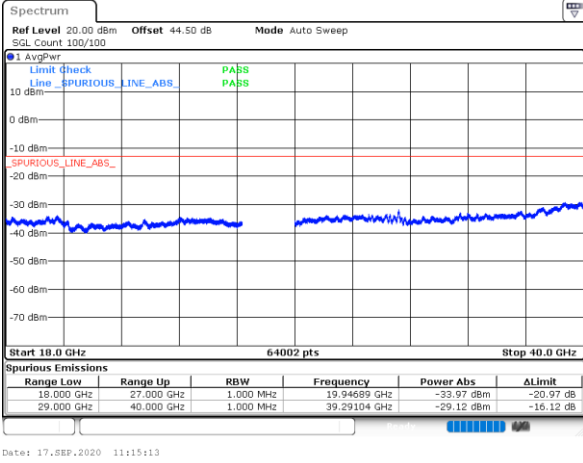
Date: 14_SEP.2020 05:17:15



DFT-s-OFDM Module 0

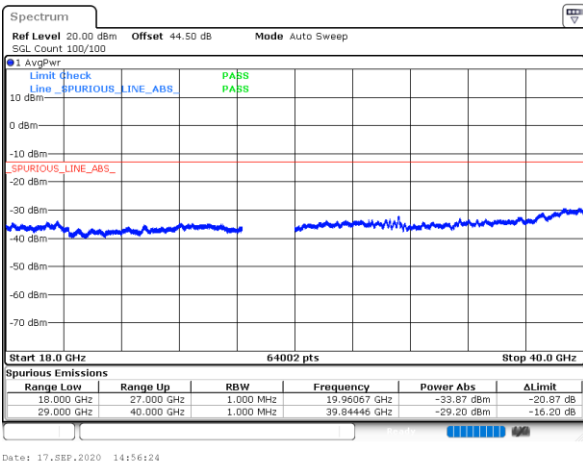
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



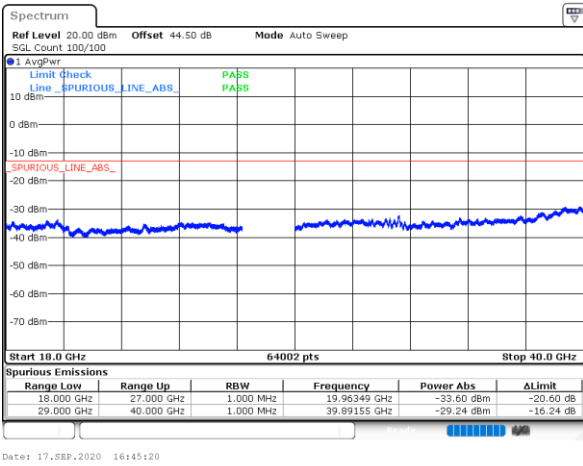
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



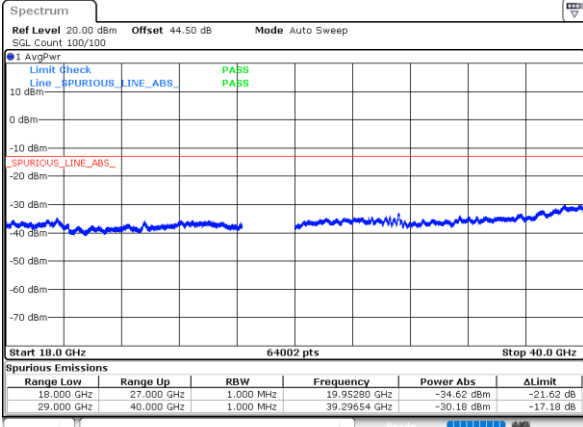
intentionally blank



CP-OFDM Module 0

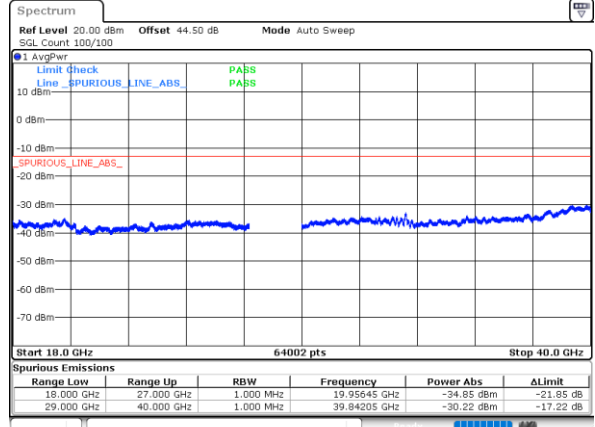
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



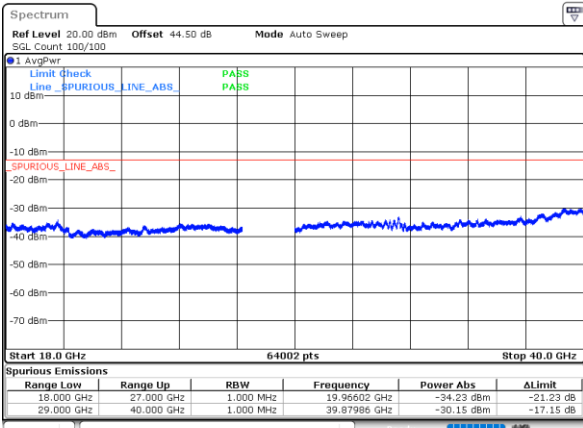
Date: 14_SEP.2020 01:45:07

Lowest Channel / 100MHz



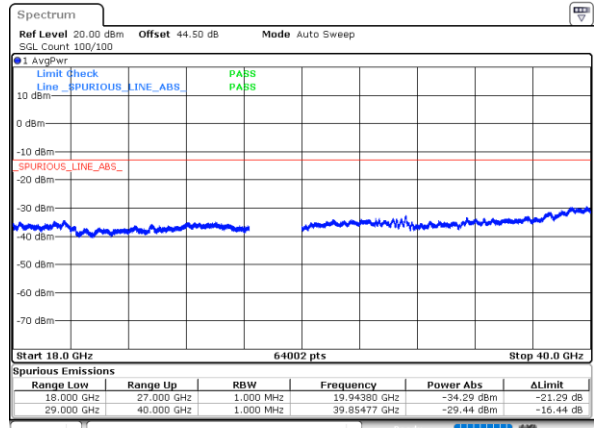
Date: 14_SEP.2020 02:15:28

Middle Channel / 50MHz



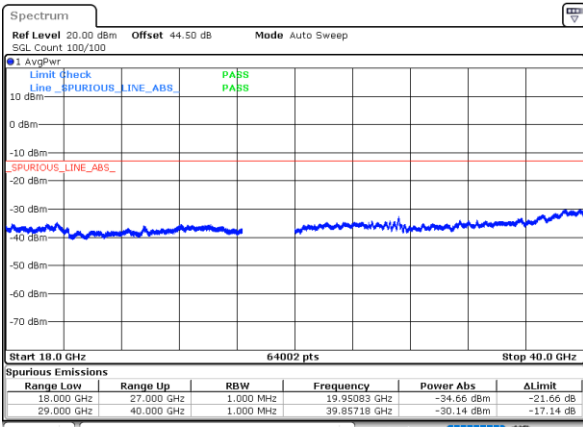
Date: 13_SEP.2020 00:47:38

Middle Channel / 100MHz



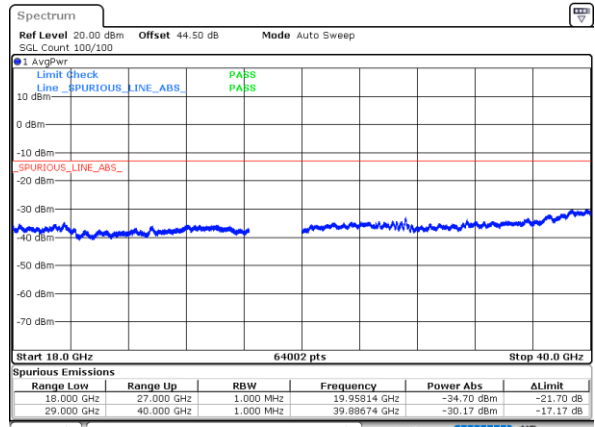
Date: 26_AUG.2020 16:20:20

Highest Channel / 50MHz



Date: 14_SEP.2020 03:54:38

Highest Channel / 100MHz



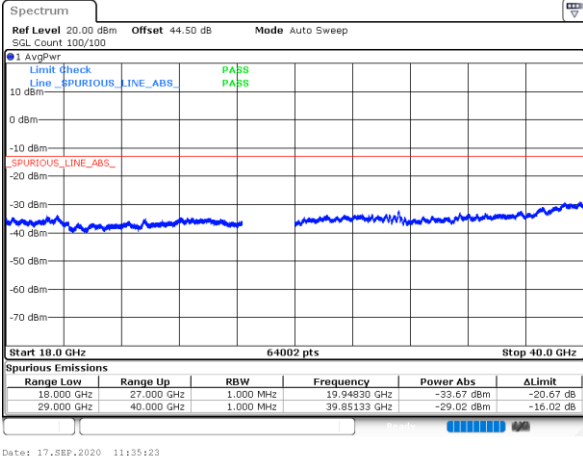
Date: 14_SEP.2020 06:44:34



CP-OFDM Module 0

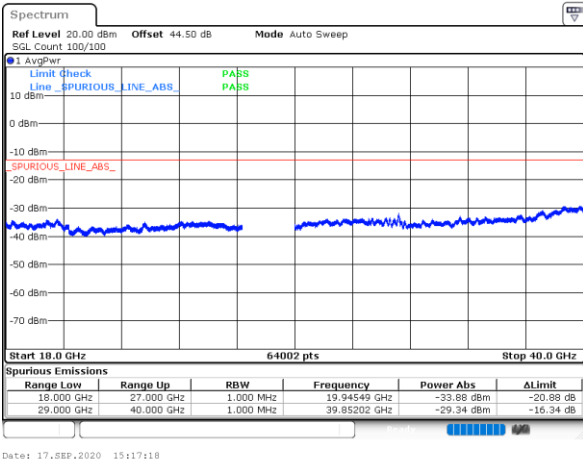
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



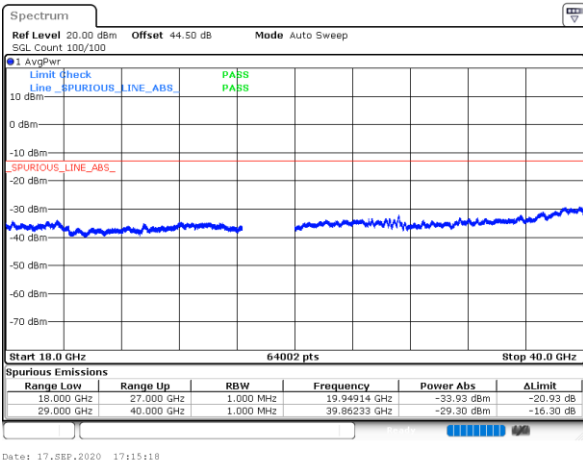
intentionally blank

Middle Channel / 400MHz



intentionally blank

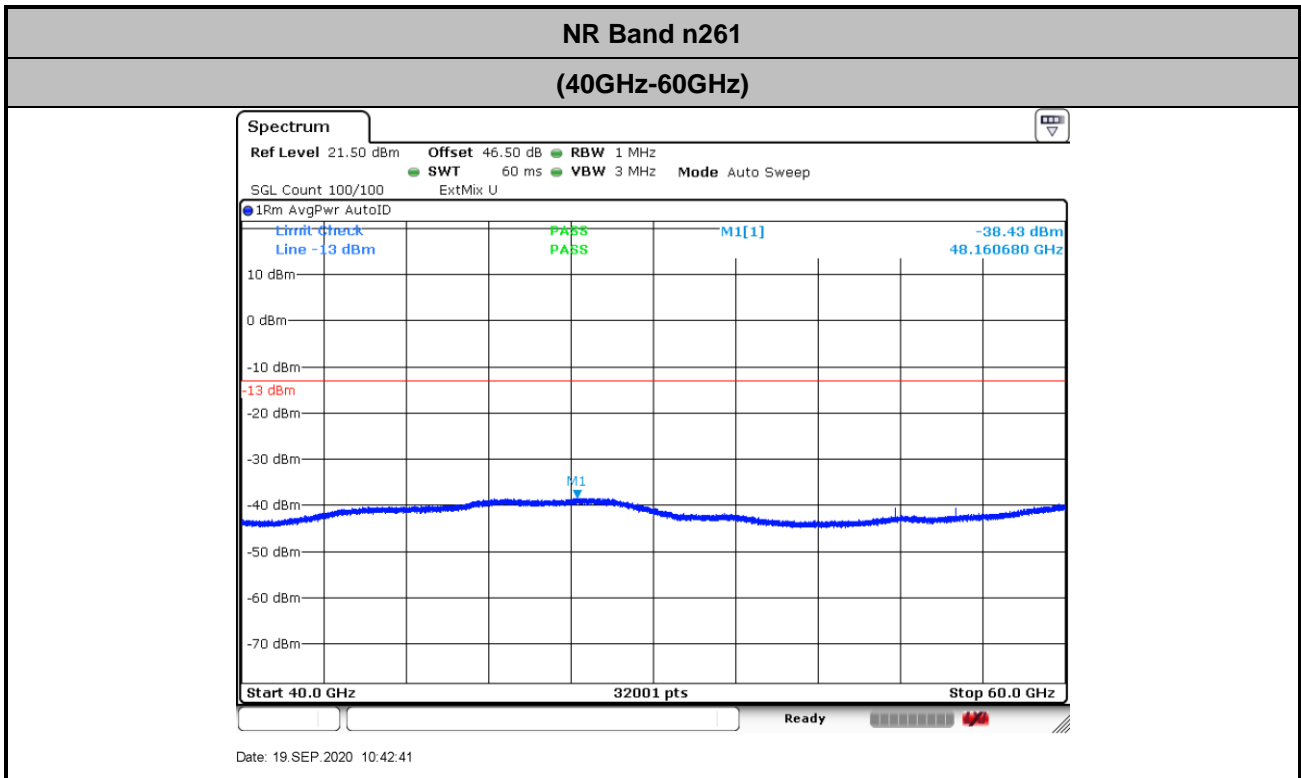
Highest Channel / 400MHz



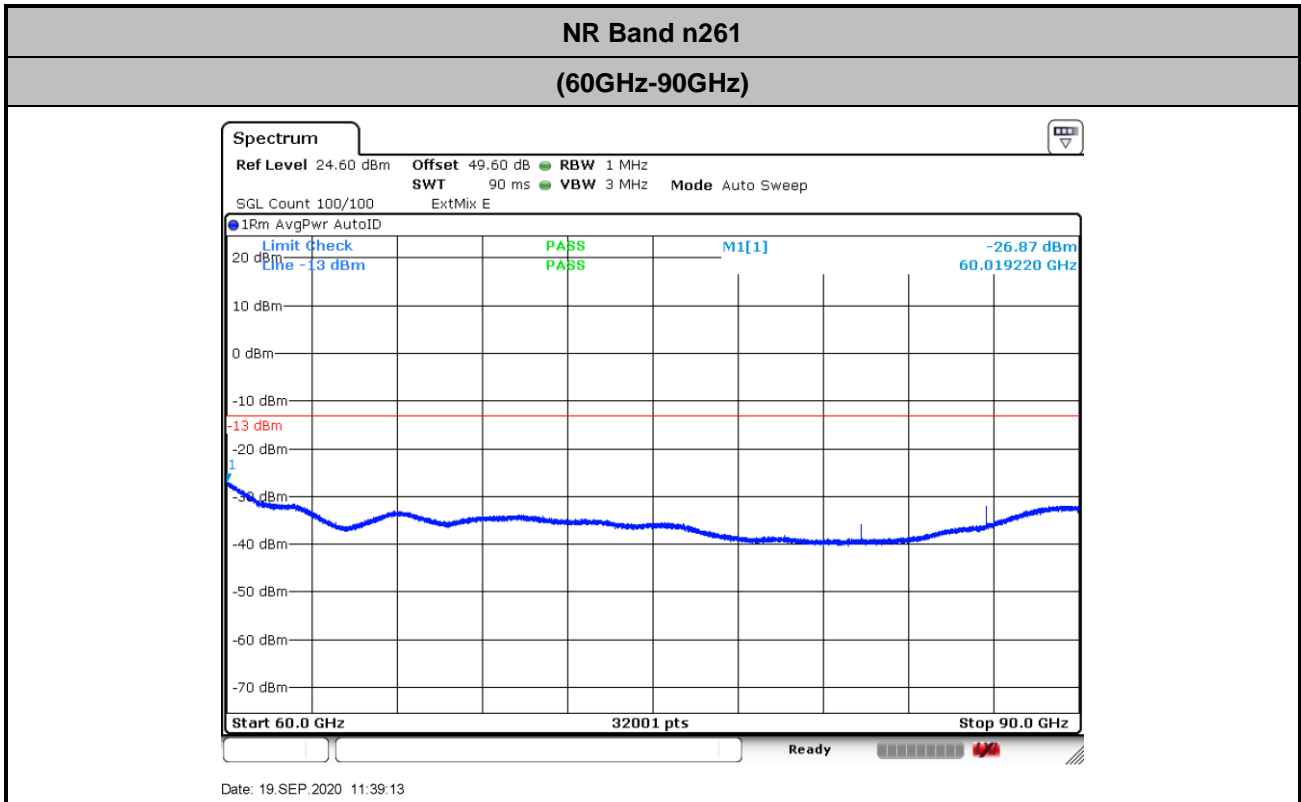
intentionally blank



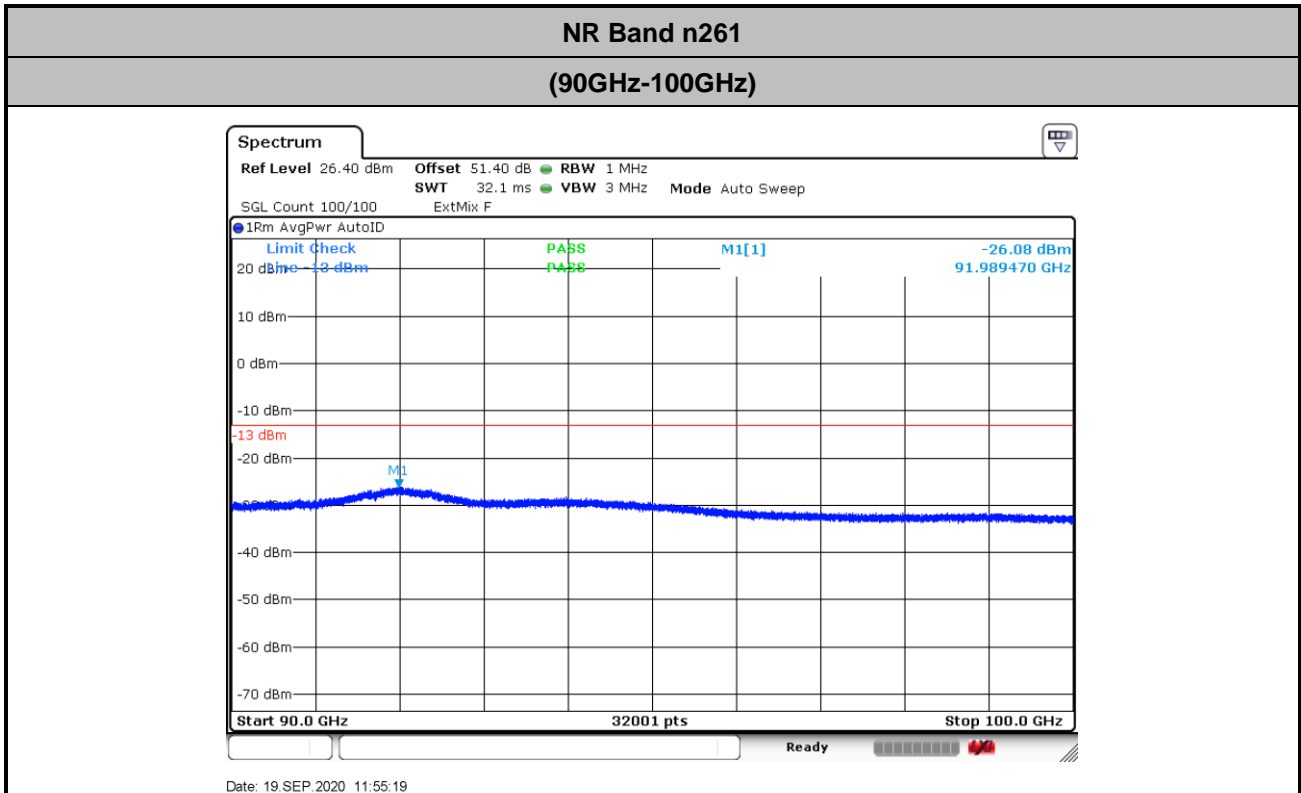
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



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



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



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

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



NR Band n261 Module 1 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 1 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	45.48	45.20	-	-	90.16	90.24	-	-	386.40	386.72	-	-
Middle CH	45.46	45.26	45.12	44.94	90.40	90.40	90.32	90.24	387.52	387.04	387.52	387.36
Highest CH	45.18	45.06	-	-	90.48	90.20	-	-	387.52	387.36	-	-

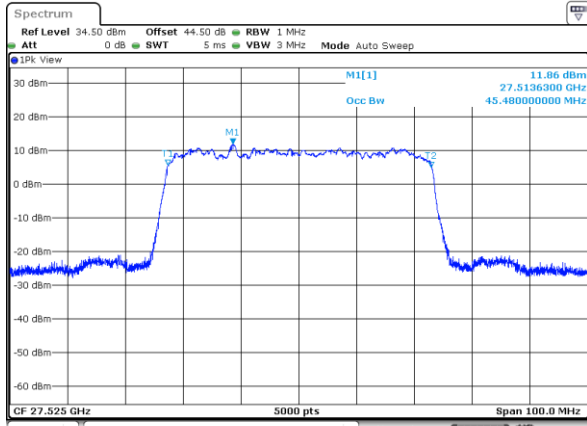
Mode	CP-OFDM Module 1 NR Band n261: 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.26	-	-	92.56	-	-	388.80	-	-
Middle CH	45.28	45.14	45.44	93.28	92.56	92.72	388.80	389.60	390.88
Highest CH	45.18	-	-	92.68	-	-	389.60	-	-



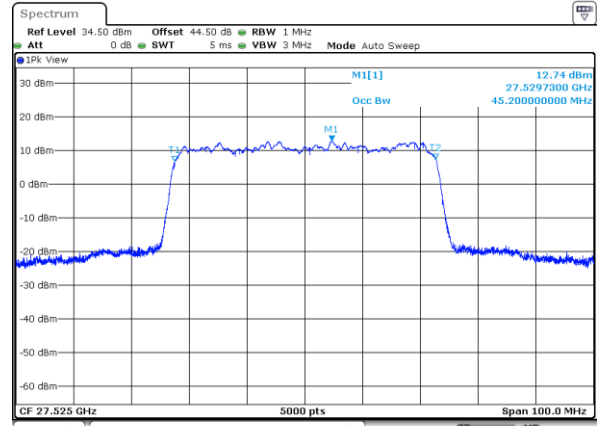
DFT-s-OFDM Module 1

NR Band n261

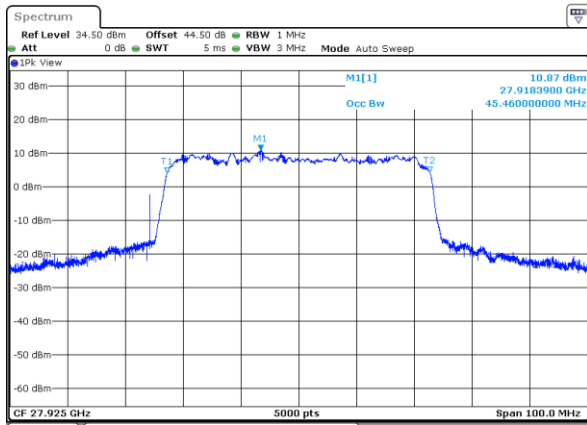
Lowest Channel / 50MHz / BPSK



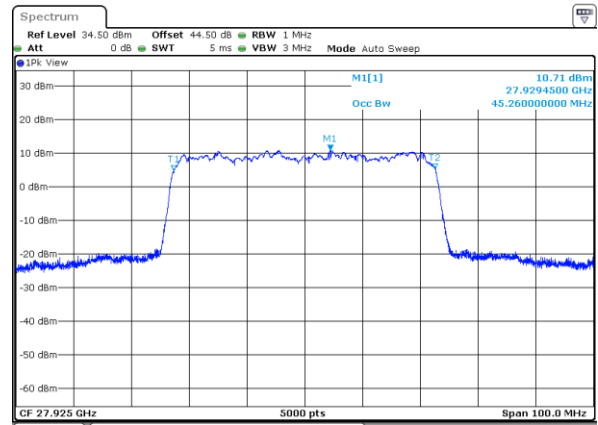
Lowest Channel / 50MHz / QPSK



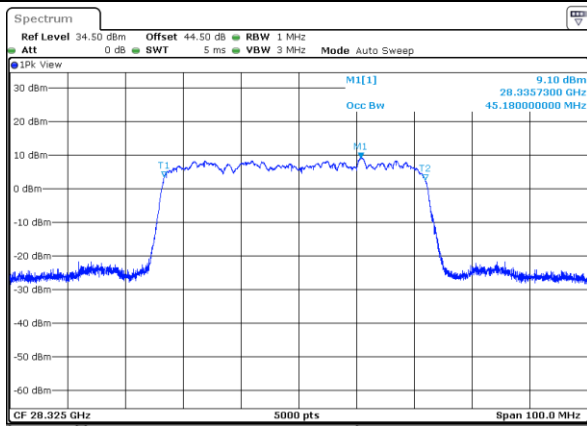
Middle Channel / 50MHz / BPSK



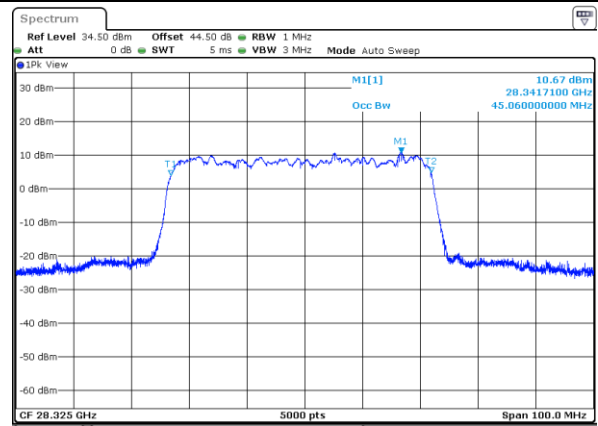
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK

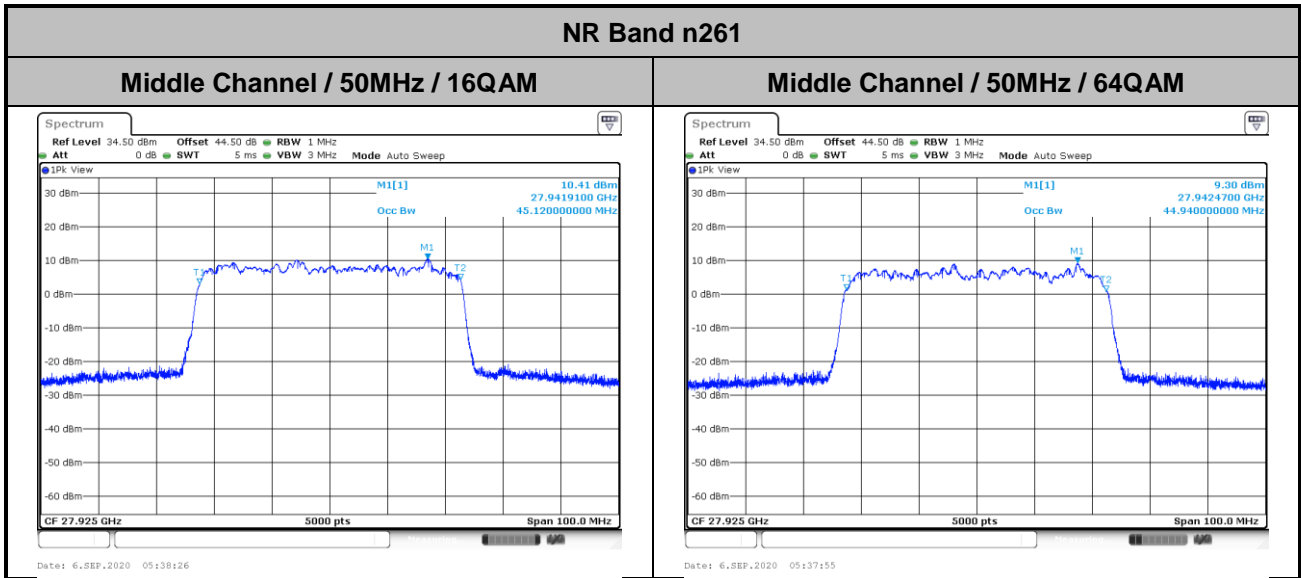


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 1

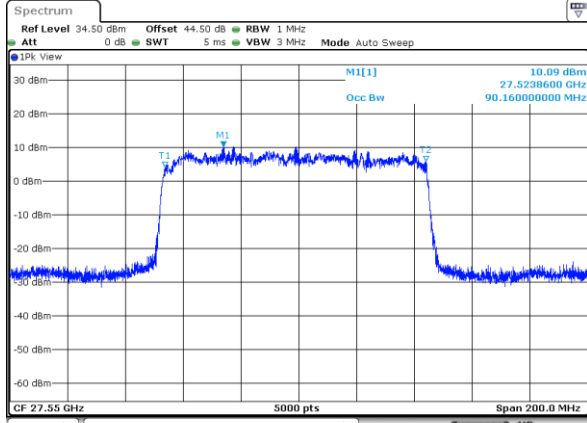




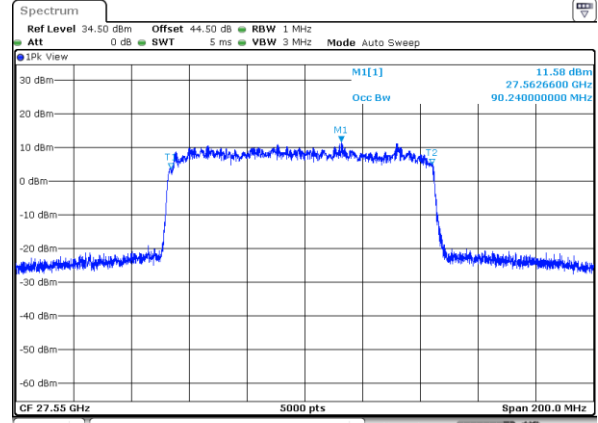
DFT-s-OFDM Module 1

NR Band n261

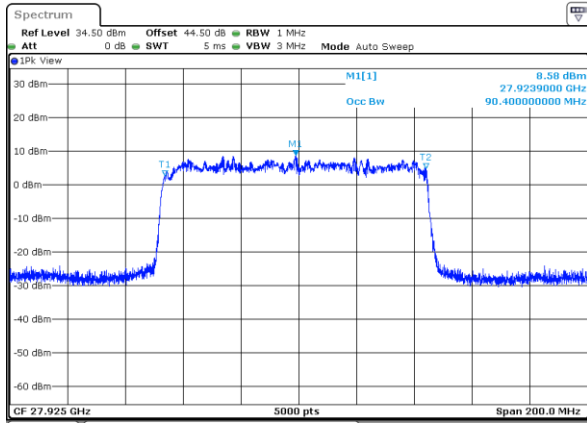
Lowest Channel / 100MHz / BPSK



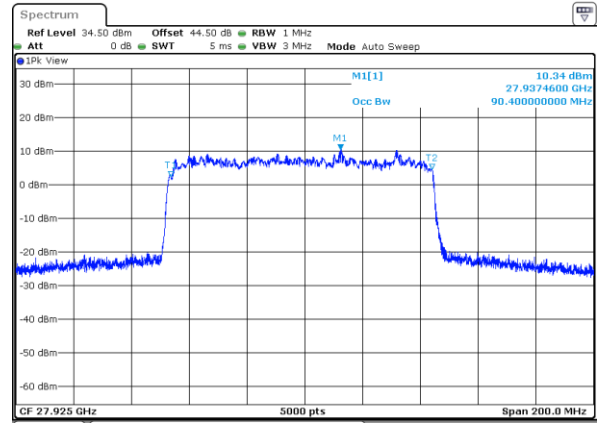
Lowest Channel / 100MHz / QPSK



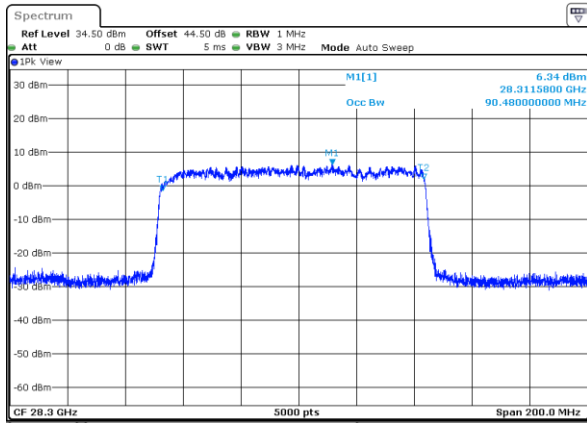
Middle Channel / 100MHz / BPSK



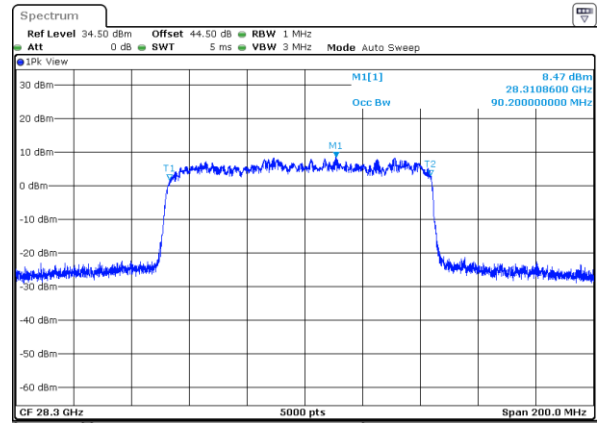
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK

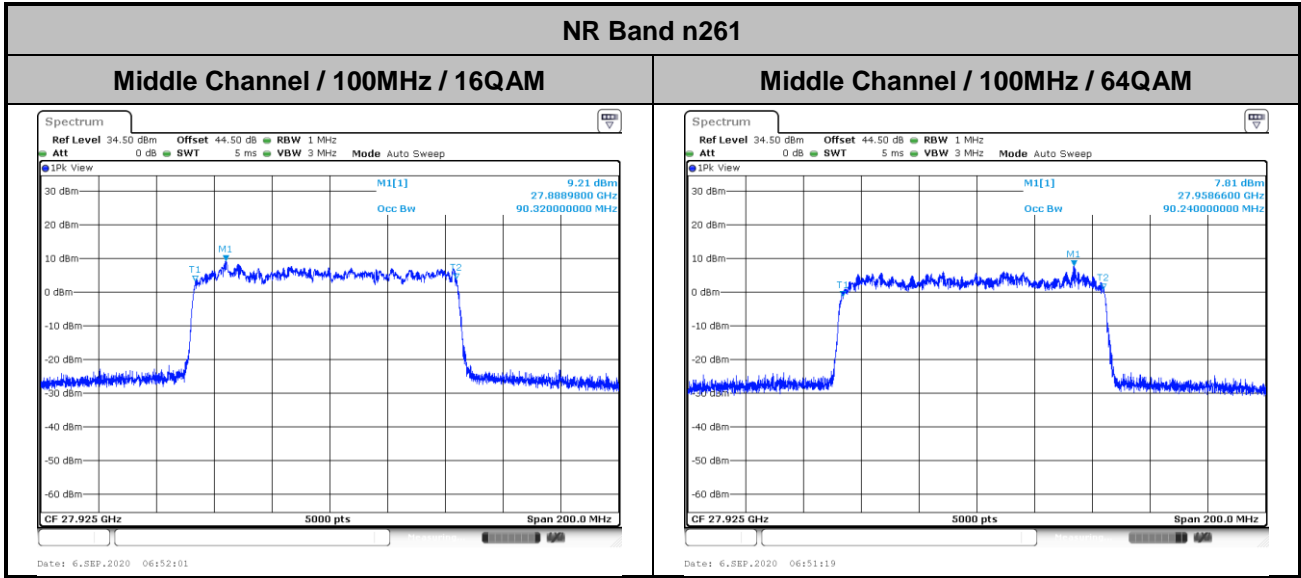


Highest Channel / 100MHz / QPSK





DFT-s-OFDM Module 1

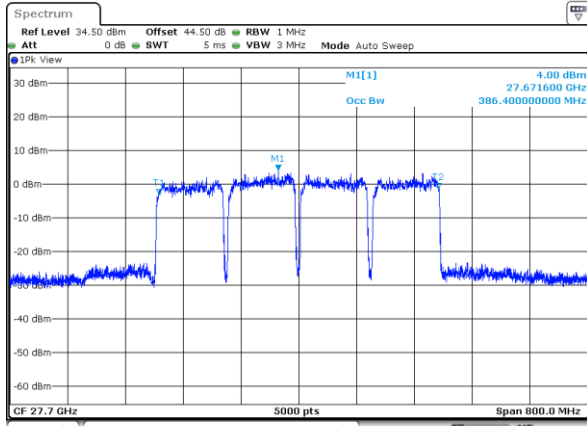




DFT-s-OFDM Module 1

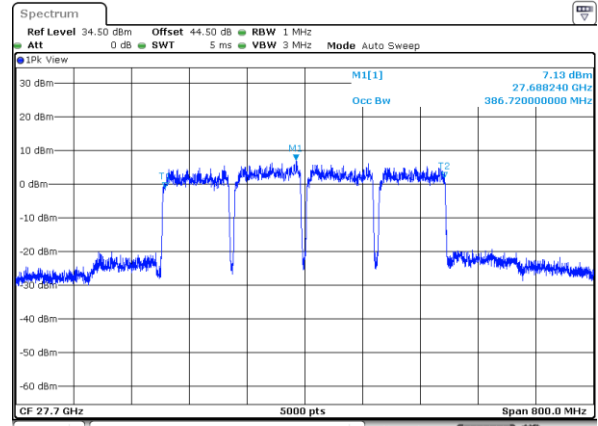
NR Band n261

Lowest Channel / 400MHz / BPSK



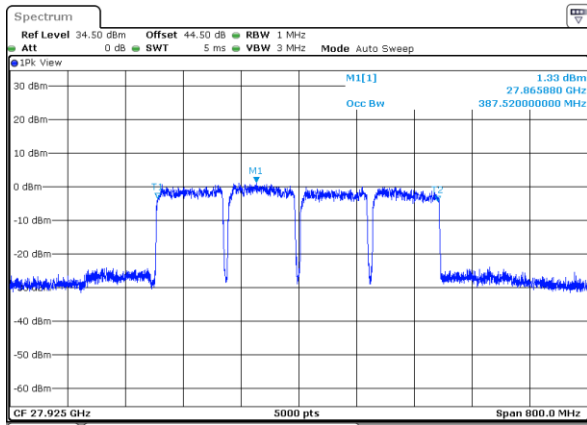
Date: 15_SEP.2020 03:21:25

Lowest Channel / 400MHz / QPSK



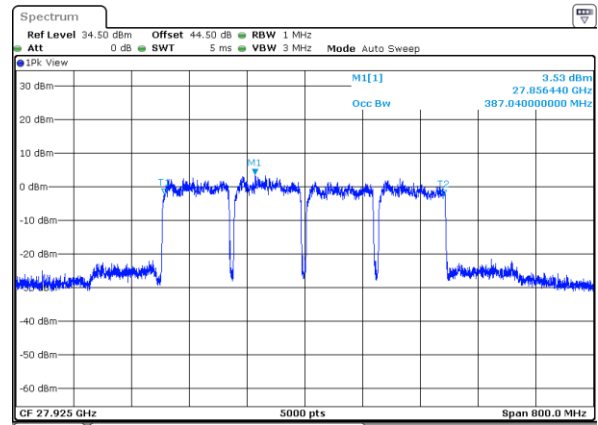
Date: 15_SEP.2020 04:11:12

Middle Channel / 400MHz / BPSK



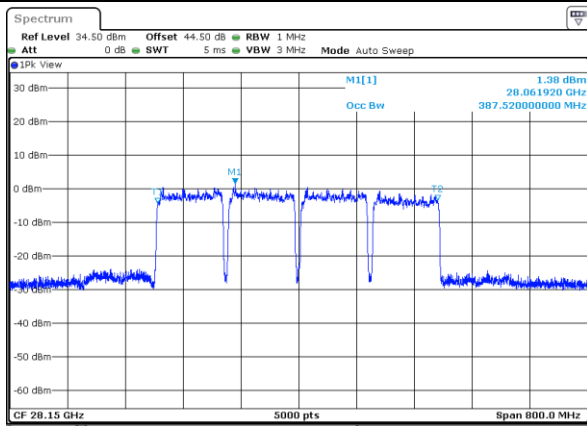
Date: 15_SEP.2020 04:55:29

Middle Channel / 400MHz / QPSK



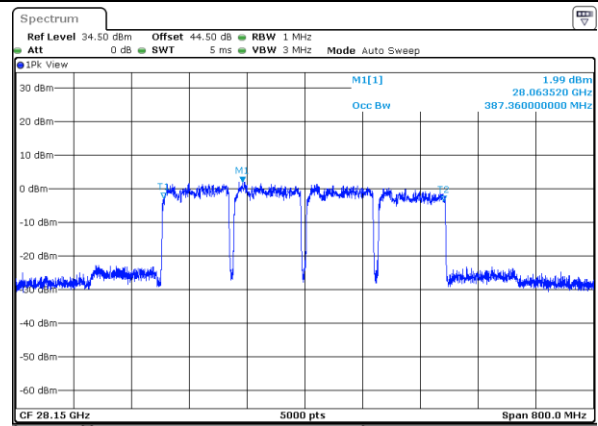
Date: 15_SEP.2020 04:47:50

Highest Channel / 400MHz / BPSK



Date: 15_SEP.2020 05:29:10

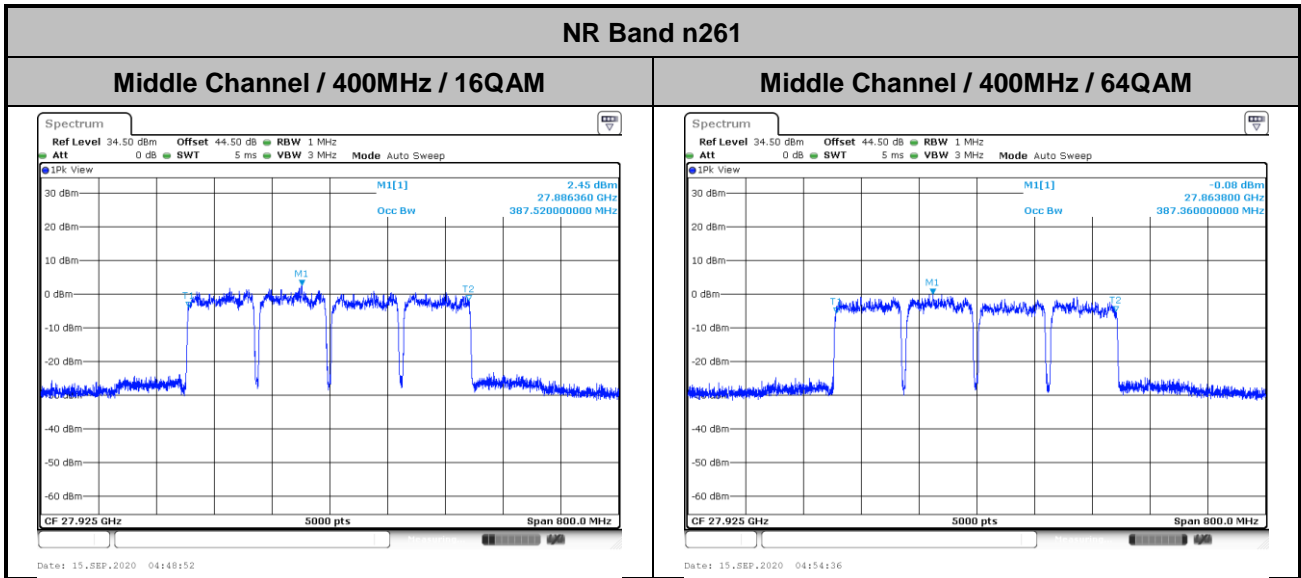
Highest Channel / 400MHz / QPSK



Date: 15_SEP.2020 05:23:11



DFT-s-OFDM Module 1

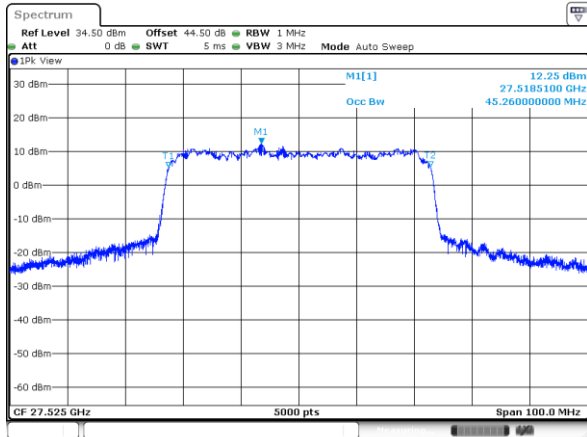




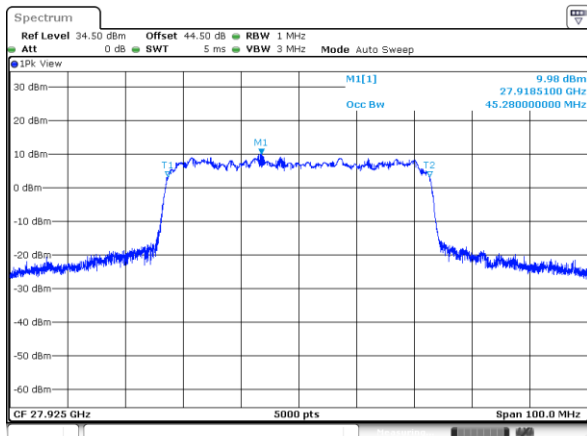
CP-OFDM Module 1

NR Band n261

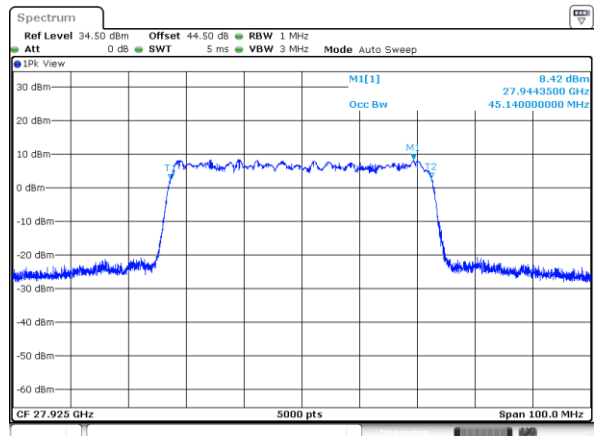
Lowest Channel / 50MHz / QPSK



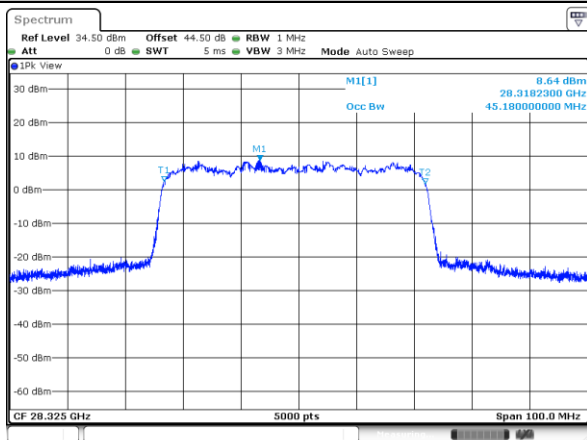
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK

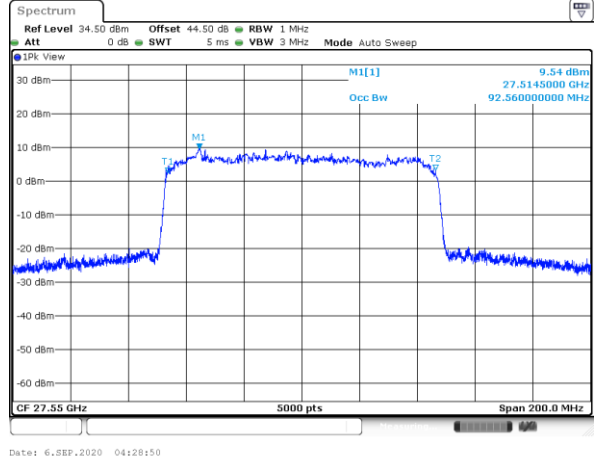




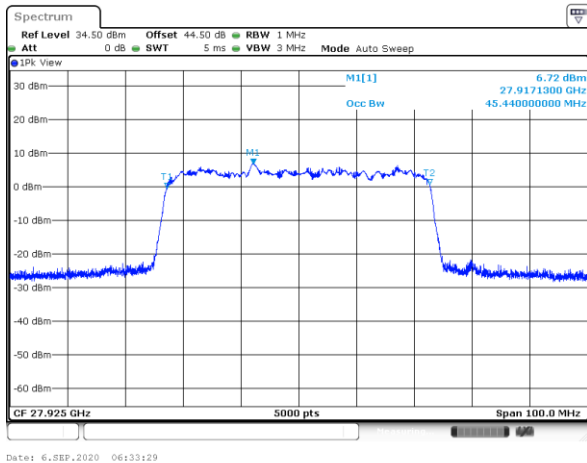
CP-OFDM Module 1

NR Band n261

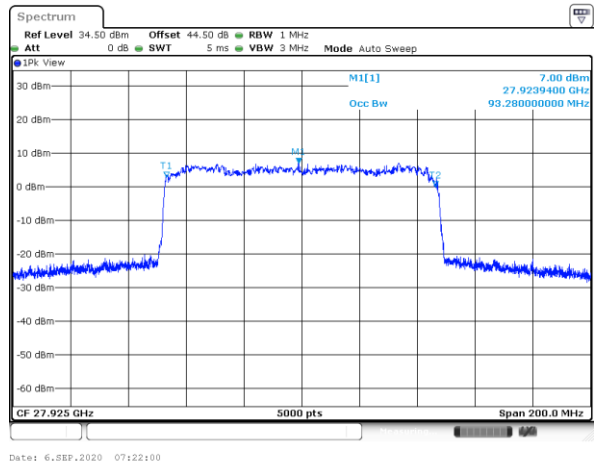
Lowest Channel / 100MHz / QPSK



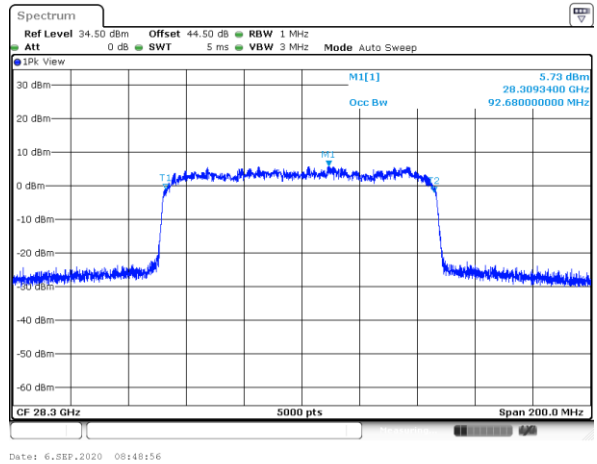
Middle Channel / 50MHz / 64QAM



Middle Channel / 100MHz / QPSK

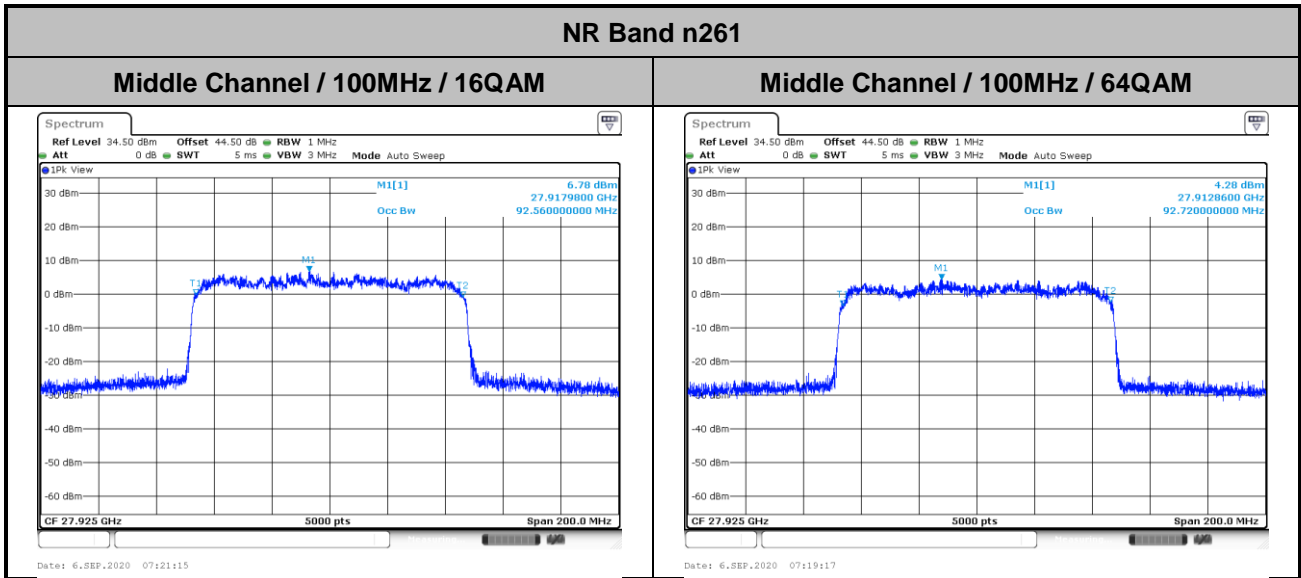


Highest Channel / 100MHz / QPSK





CP-OFDM Module 1

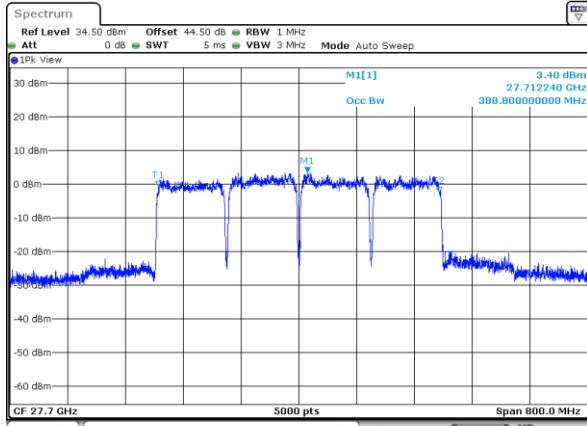




CP-OFDM Module 1

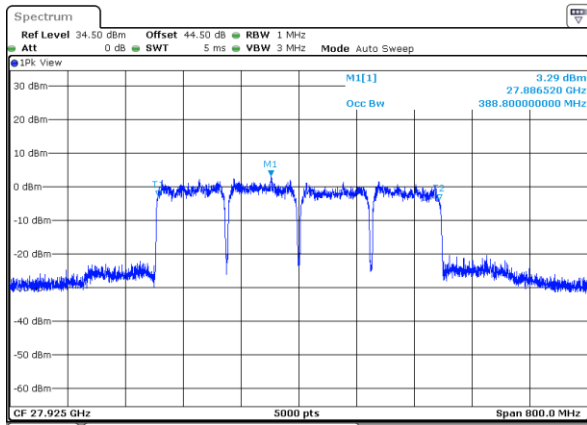
NR Band n261

Lowest Channel / 400MHz / QPSK



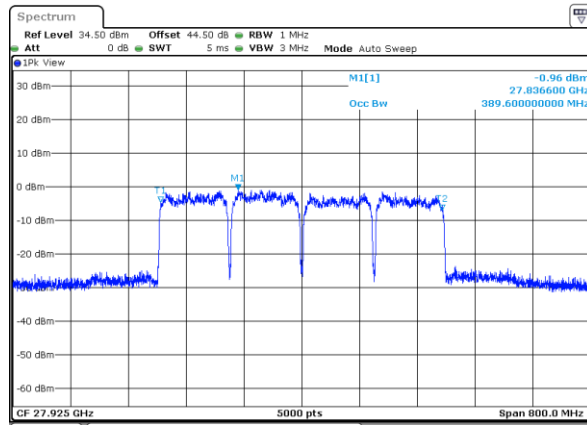
Date: 15_SEP.2020 03:38:33

Middle Channel / 400MHz / QPSK



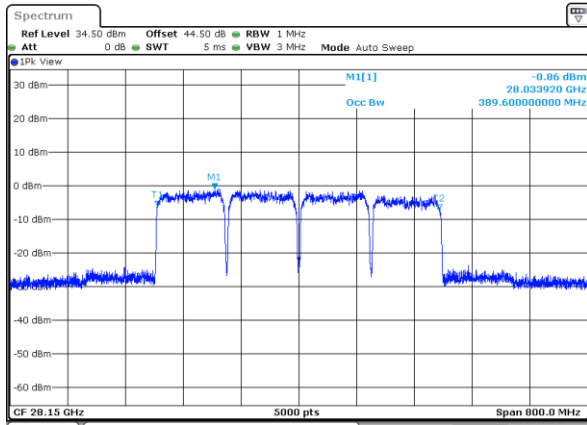
Date: 15_SEP.2020 05:04:34

Middle Channel / 400MHz / 16QAM



Date: 15_SEP.2020 05:03:45

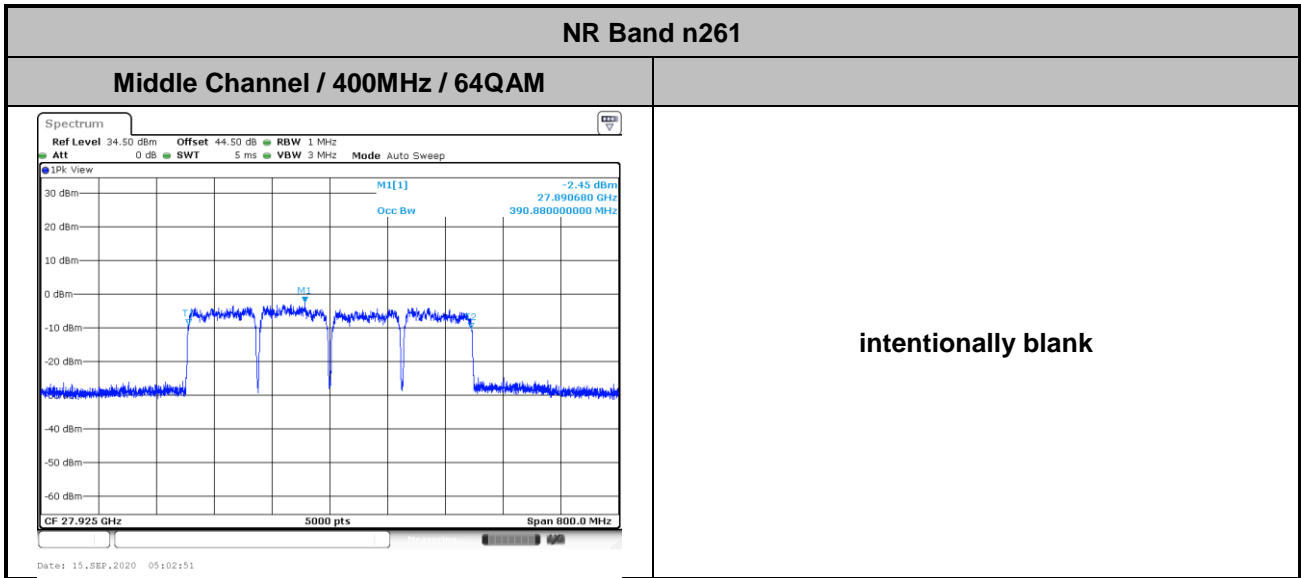
Highest Channel / 400MHz / QPSK



Date: 15_SEP.2020 05:49:29



CP-OFDM Module 1





Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 1 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	-19.45	-18.76	-	-	-20.53	-19.86	-	-	-34.26	-30.44	-	-
	>10%OB	≤ -13	-33.31	-32.85	-	-	-33.99	-33.72	-	-	-34.18	-29.99	-	-
High CH	0~10%OB	≤ -5	-25.68	-24.79	-	-	-27.16	-25.37	-	-	-32.55	-32.94	-	-
	>10%OB	≤ -13	-32.62	-32.45	-	-	-32.56	-32.71	-	-	-33.98	-31.96	-	-
Result			Compliance											

Mode			CP-OFDM Module 1 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	-19.53	-	-	-22.81	-	-	-30.67	-	-
	>10%OB	≤ -13	-33.74	-	-	-33.9	-	-	-28.88	-	-
High CH	0~10%OB	≤ -5	-25.86	-	-	-26.84	-	-	-32.69	-	-
	>10%OB	≤ -13	-32.58	-	-	-32.52	-	-	-31.07	-	-
Result			Compliance								

Mode			DFT-s-OFDM Module 1 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	-27.99	-26.12	-	-	-30.61	-28.77	-	-	-34	-32.21	-	-
	>10%OB	≤ -13	-31.1	-27.26	-	-	-32.76	-29.78	-	-	-33.44	-32.91	-	-
High CH	0~10%OB	≤ -5	-30.46	-27.47	-	-	-32.87	-29.83	-	-	-33.74	-32.35	-	-
	>10%OB	≤ -13	-32.66	-29.94	-	-	-32.5	-32.11	-	-	-34.27	-33.17	-	-
Result			Compliance											

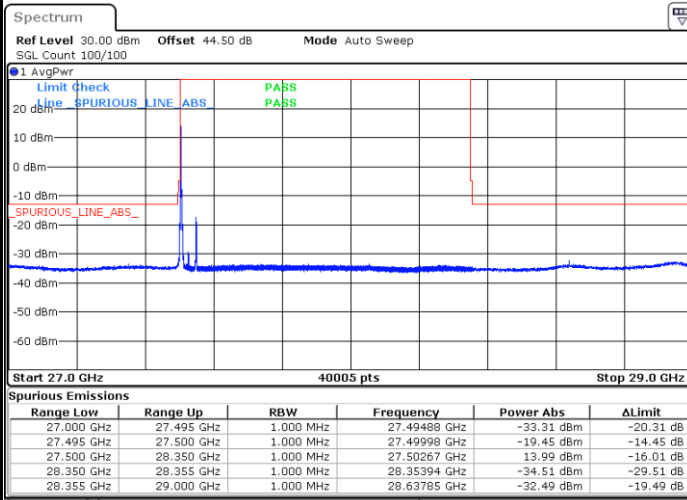
Mode			CP-OFDM Module 1 NR Band n261: BE (dBm) Full RB								
BW			50MHz			100MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-27.27	-	-	-29.57	-	-	-31.67	-	-
	>10%OB	≤ -13	-28.96	-	-	-30.49	-	-	-32.1	-	-
High CH	0~10%OB	≤ -5	-28.95	-	-	-31.08	-	-	-33.12	-	-
	>10%OB	≤ -13	-31.35	-	-	-32.52	-	-	-33.96	-	-
Result			Compliance								



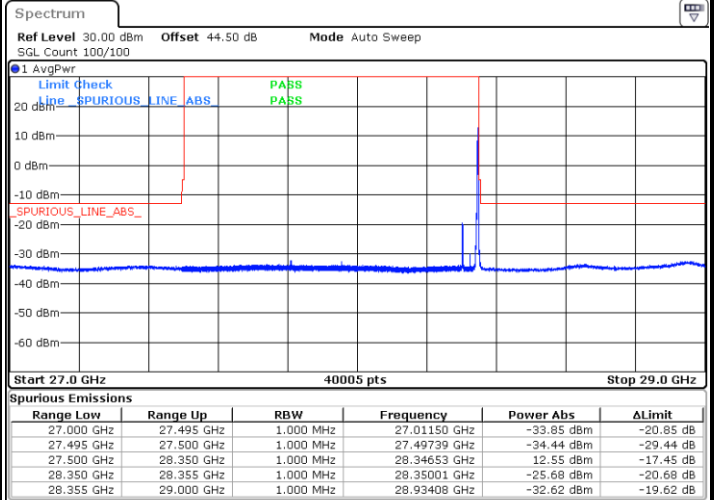
DFT-s-OFDM Module 1

NR Band n261/ 50MHz / BPSK

Lowest Band Edge / 1 RB

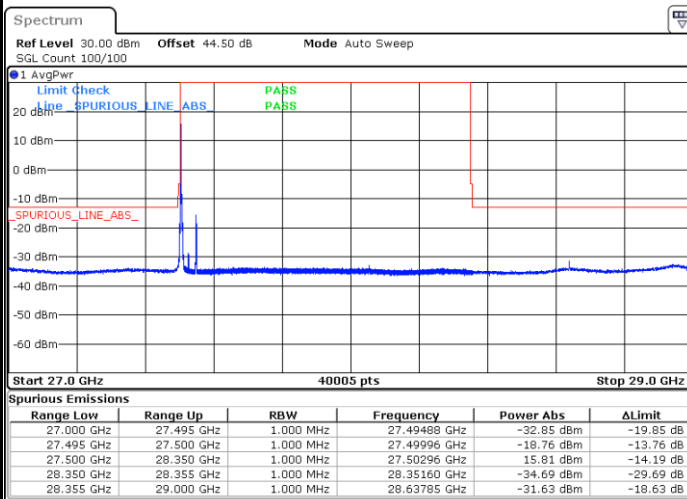


Highest Band Edge / 1 RB

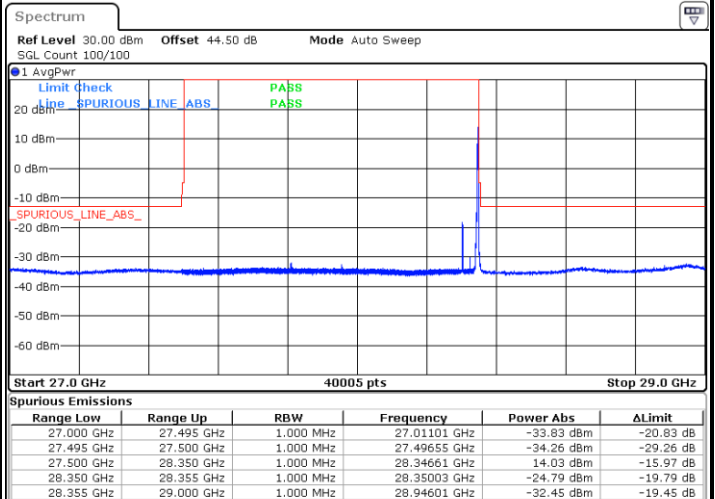


NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



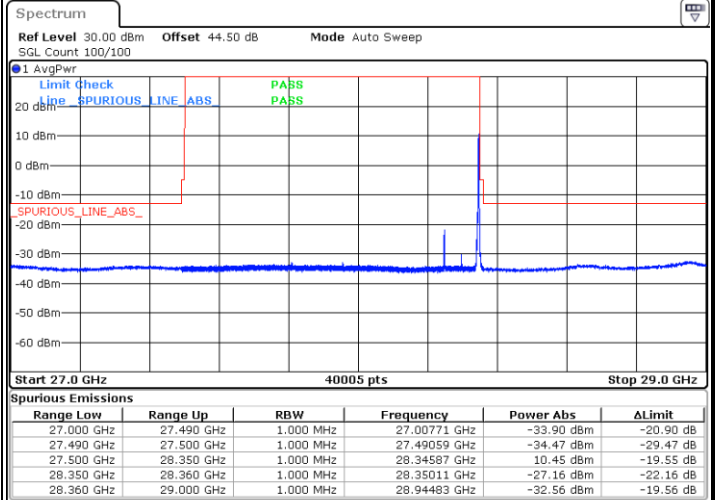
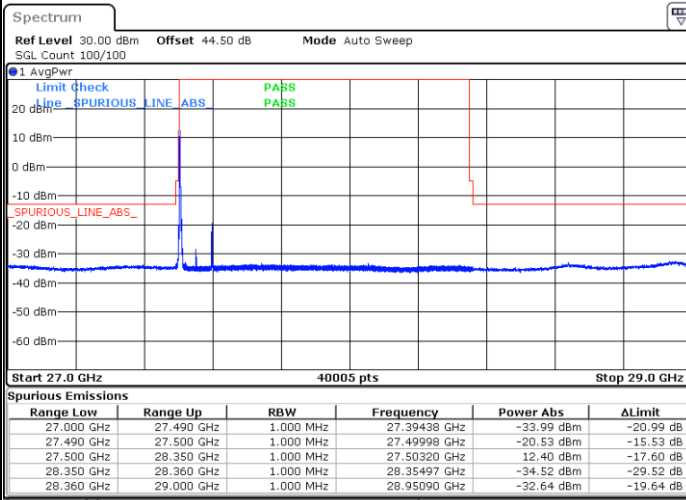


DFT-s-OFDM Module 1

NR Band n261/ 100MHz / BPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



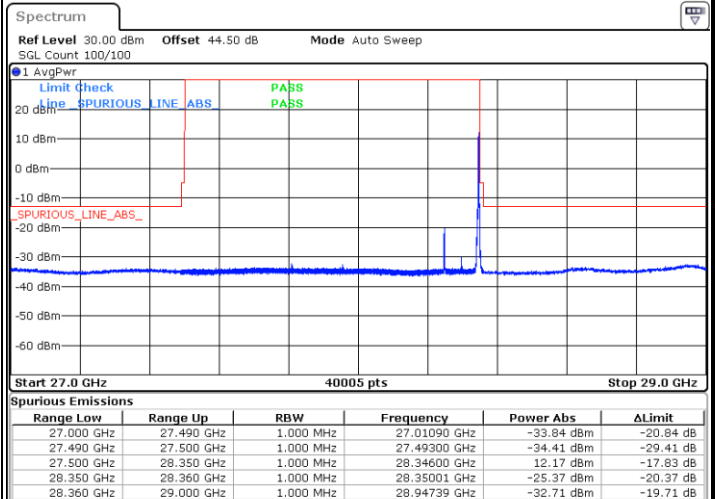
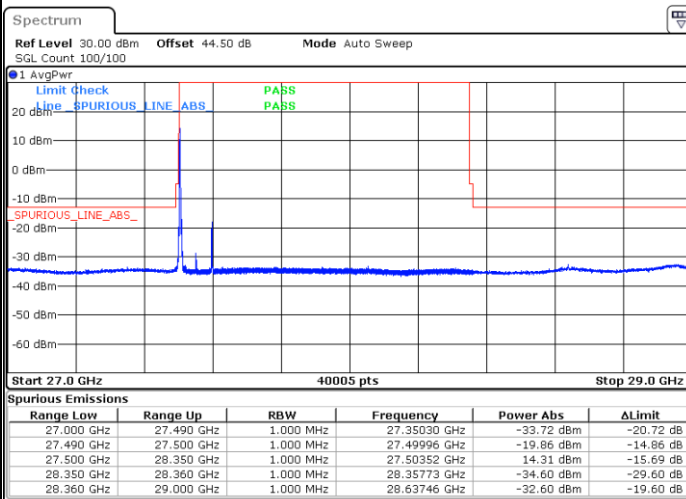
Date: 6.SEP.2020 04:12:22

Date: 6.SEP.2020 08:39:46

NR Band n261/ 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 6.SEP.2020 04:14:37

Date: 6.SEP.2020 08:37:35

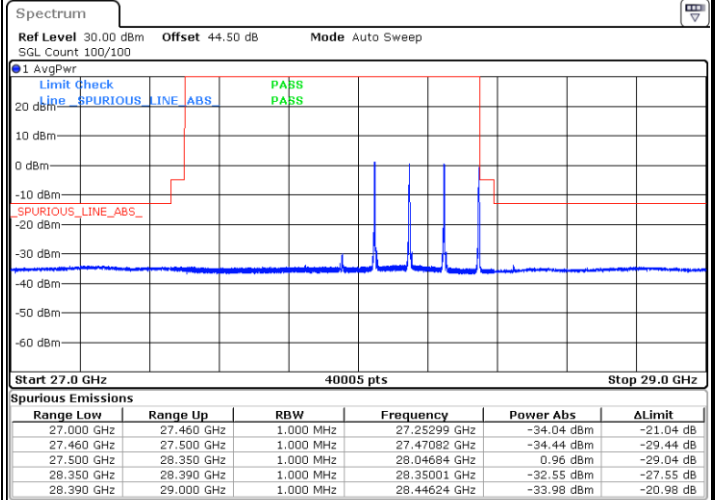
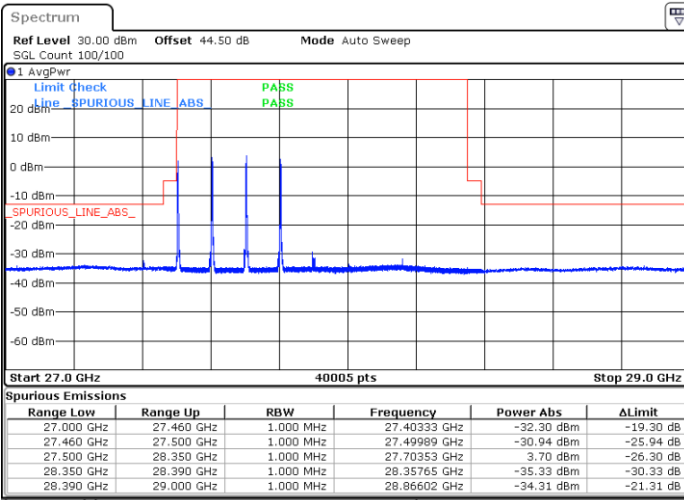


DFT-s-OFDM Module 1

NR Band n261/ 400MHz / BPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



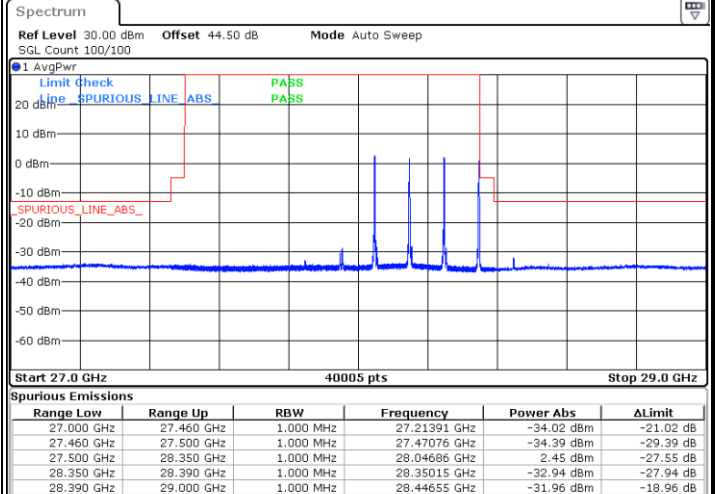
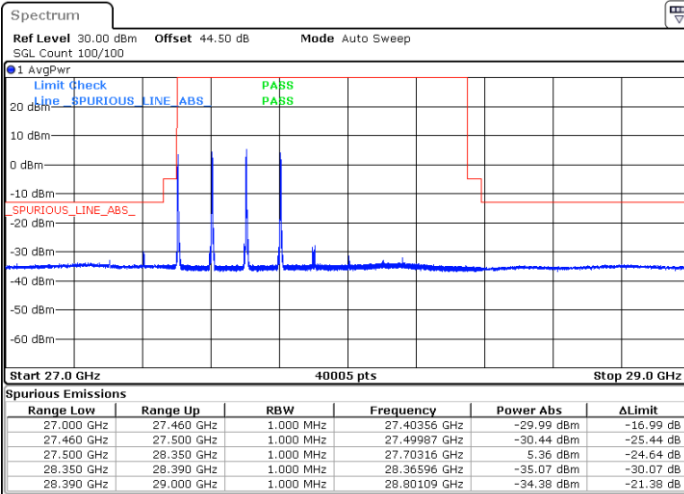
Date: 15.SEP.2020 03:23:42

Date: 15.SEP.2020 05:39:42

NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 15.SEP.2020 03:28:38

Date: 15.SEP.2020 05:36:51

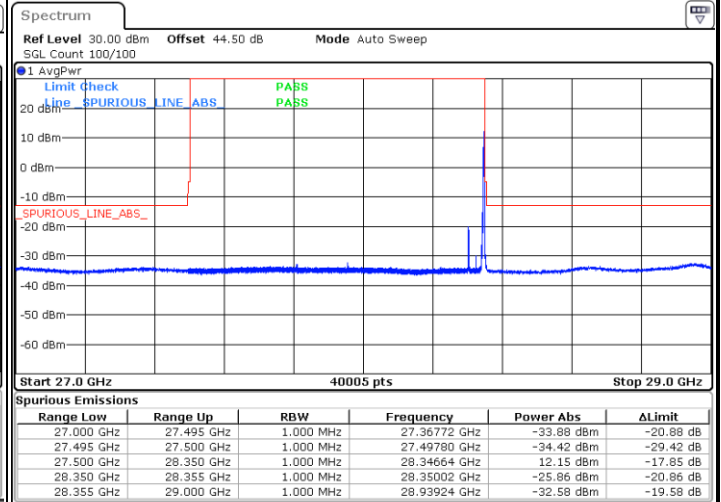
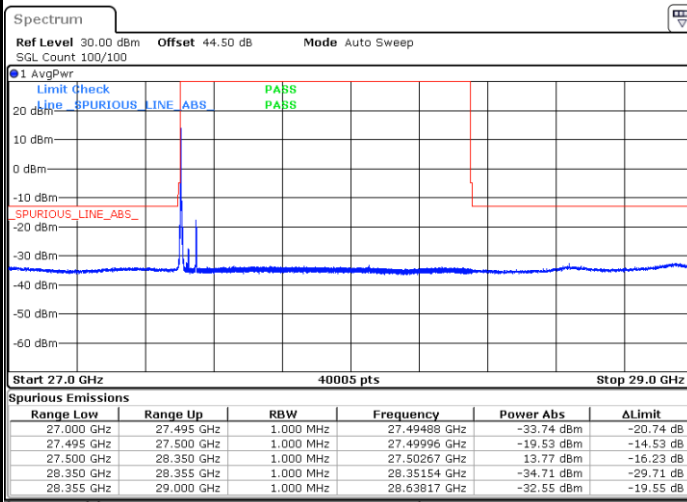


CP-OFDM Module 1

NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

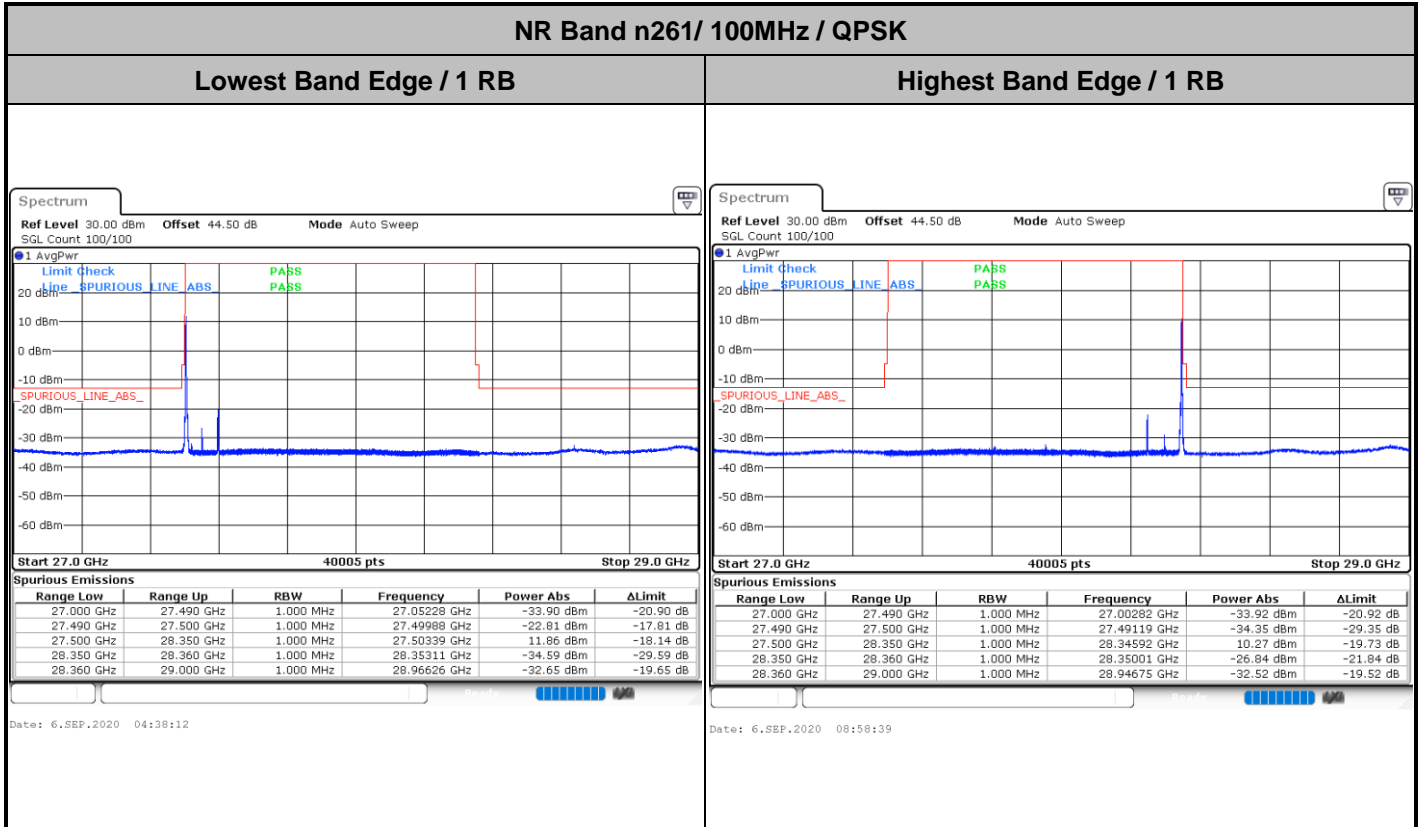


Date: 6.SEP.2020 03:55:16

Date: 6.SEP.2020 08:04:37



CP-OFDM Module 1



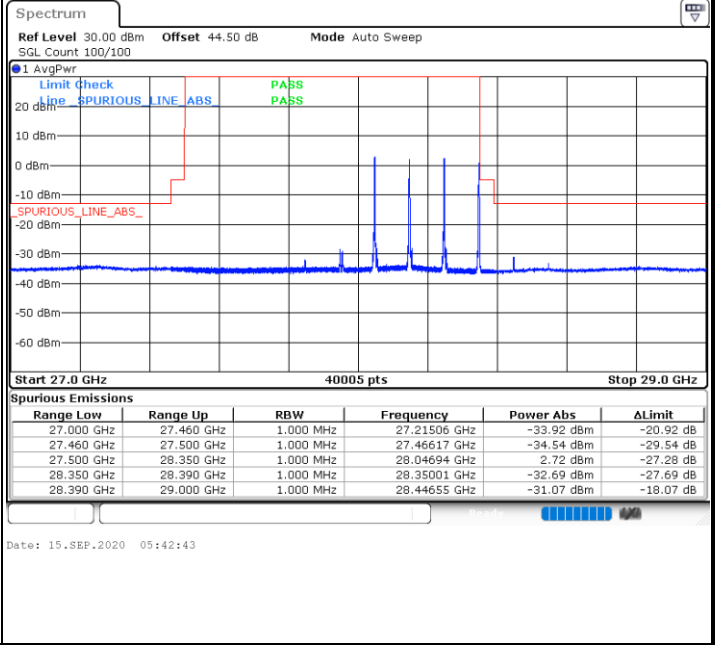
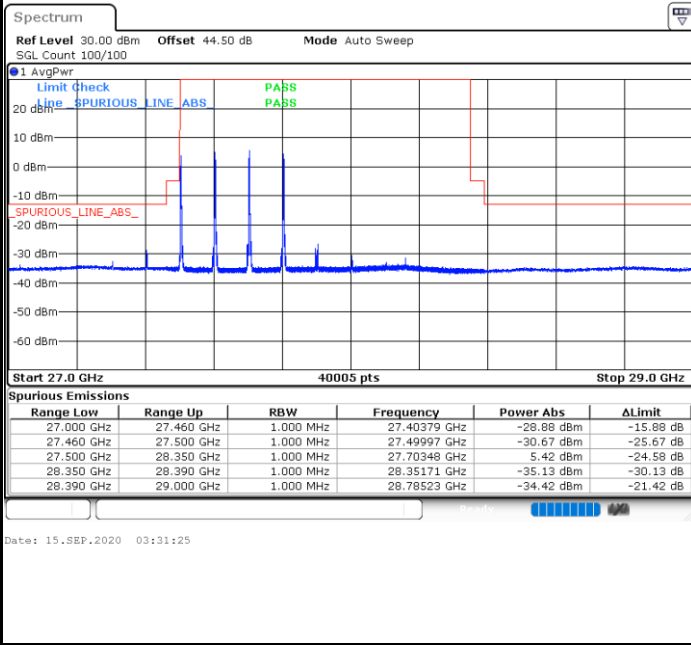


CP-OFDM Module 1

NR Band n261/ 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

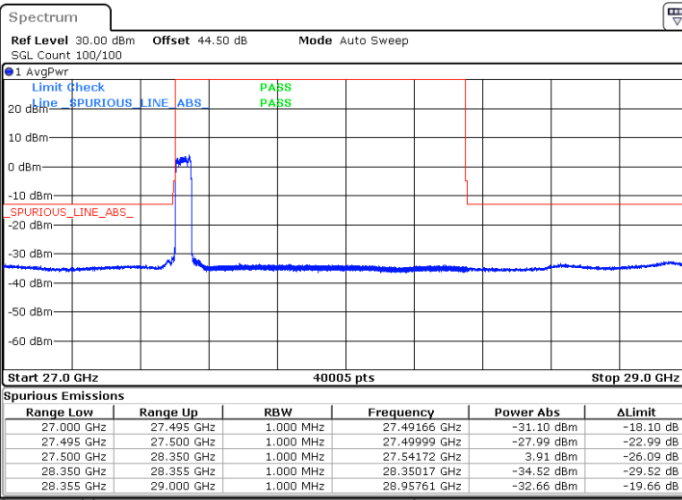




DFT-s-OFDM Module 1

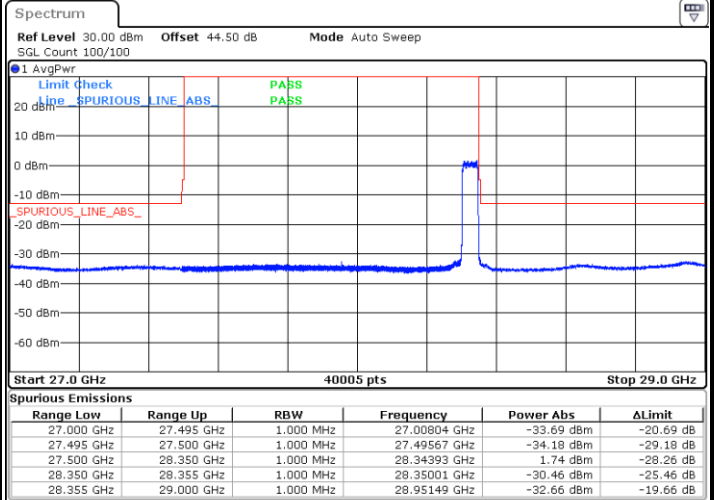
NR Band n261/ 50MHz / BPSK

Lowest Band Edge / Full RB



Date: 6.SEP.2020 03:24:43

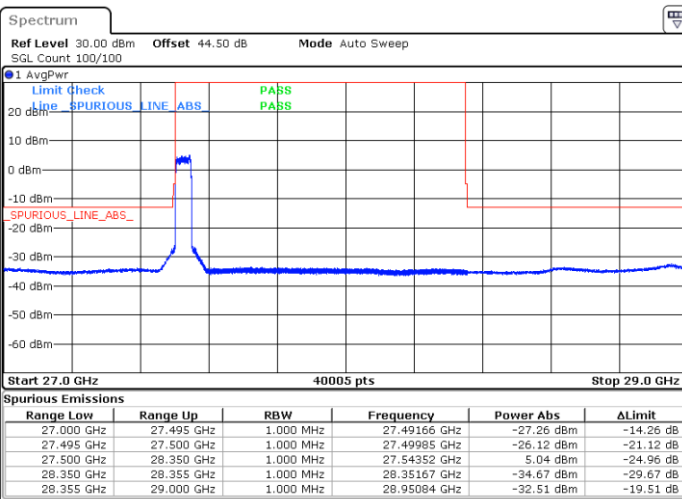
Highest Band Edge / Full RB



Date: 6.SEP.2020 07:50:24

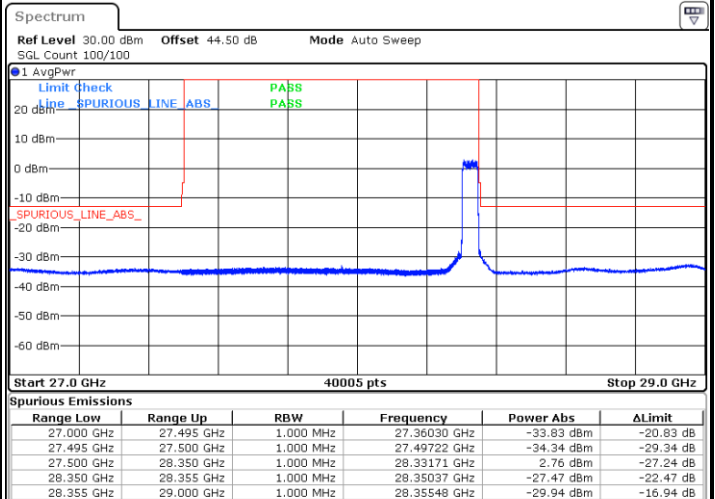
NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 6.SEP.2020 03:22:49

Highest Band Edge / Full RB



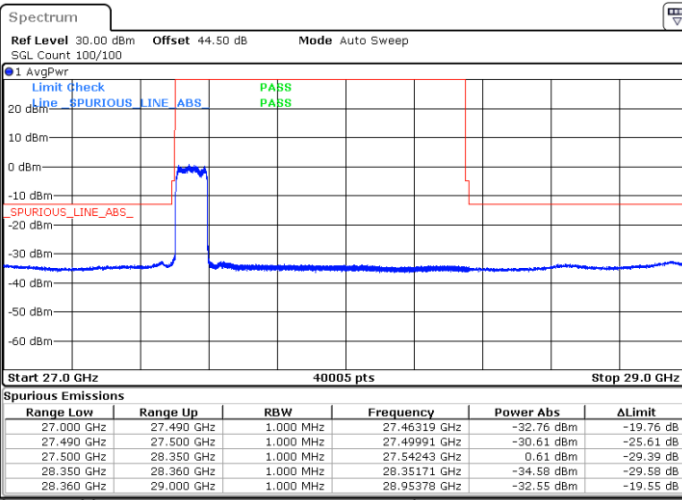
Date: 6.SEP.2020 07:51:40



DFT-s-OFDM Module 1

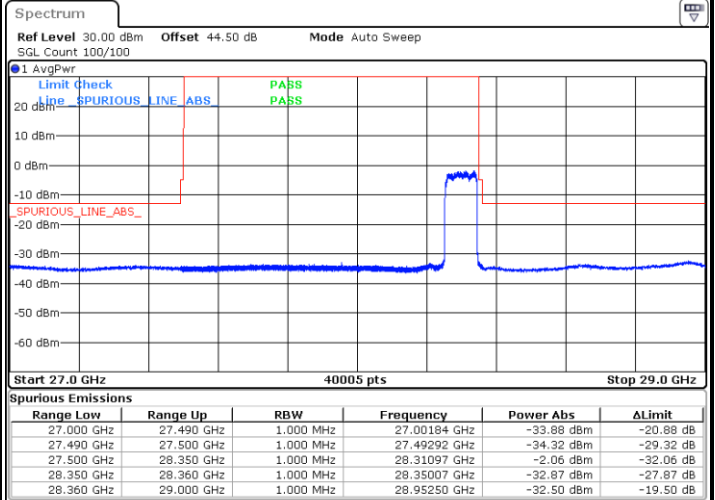
NR Band n261/ 100MHz / BPSK

Lowest Band Edge / Full RB



Date: 6.SEP.2020 04:26:16

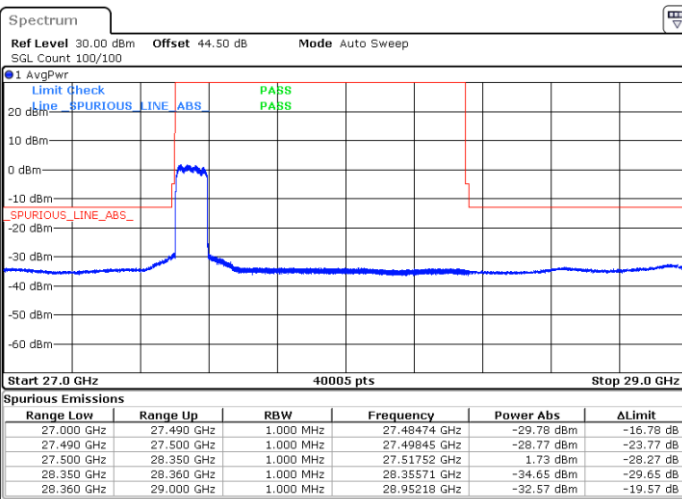
Highest Band Edge / Full RB



Date: 6.SEP.2020 08:41:12

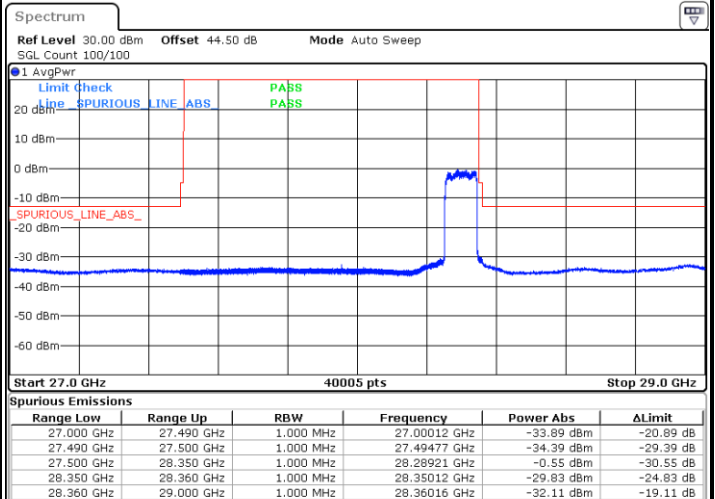
NR Band n261/ 100MHz / QPSK

Lowest Band Edge / Full RB



Date: 6.SEP.2020 04:24:36

Highest Band Edge / Full RB



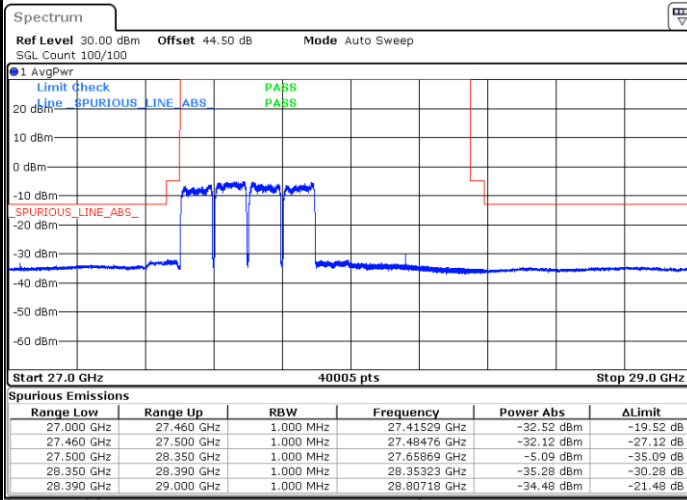
Date: 6.SEP.2020 08:43:03



DFT-s-OFDM Module 1

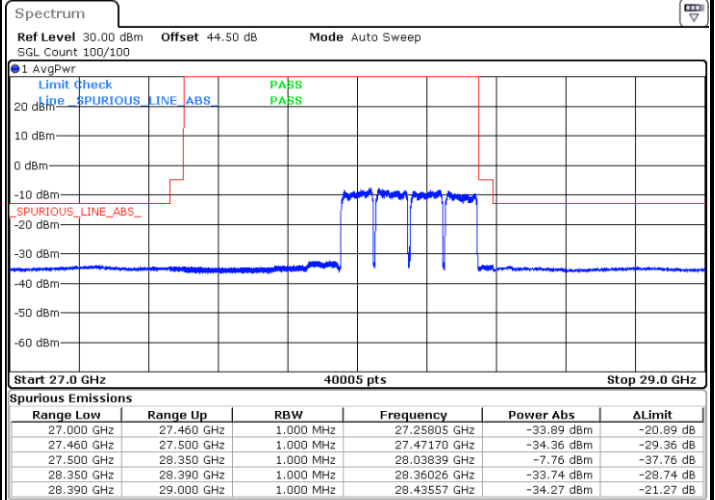
NR Band n261/ 400MHz / BPSK

Lowest Band Edge / Full RB



Date: 15_SEP.2020 03:22:29

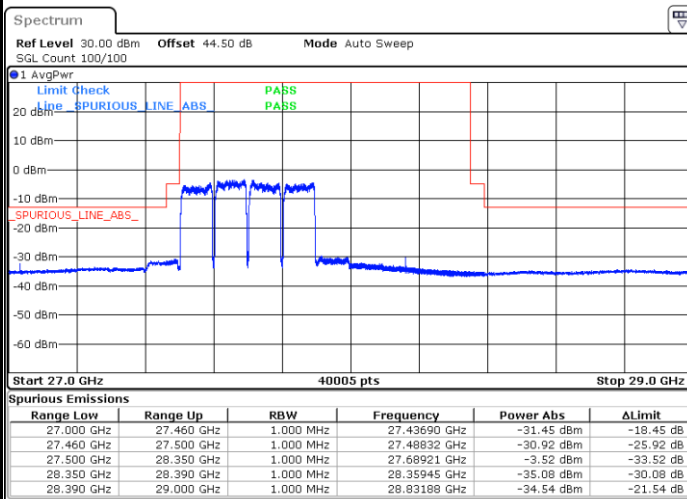
Highest Band Edge / Full RB



Date: 15_SEP.2020 05:30:40

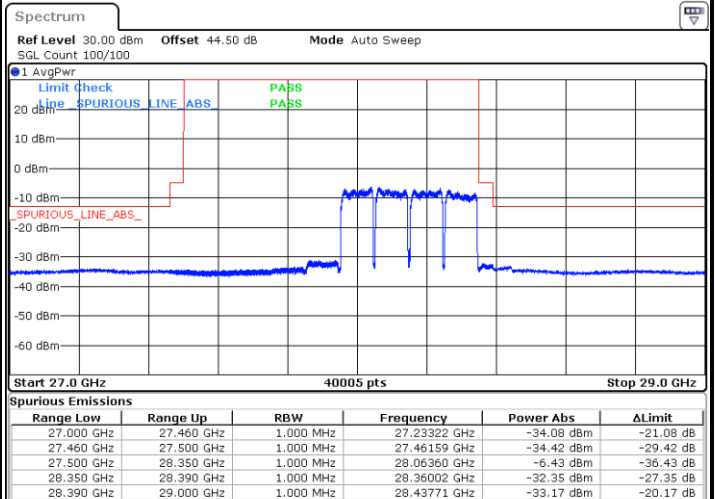
NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 15_SEP.2020 03:16:28

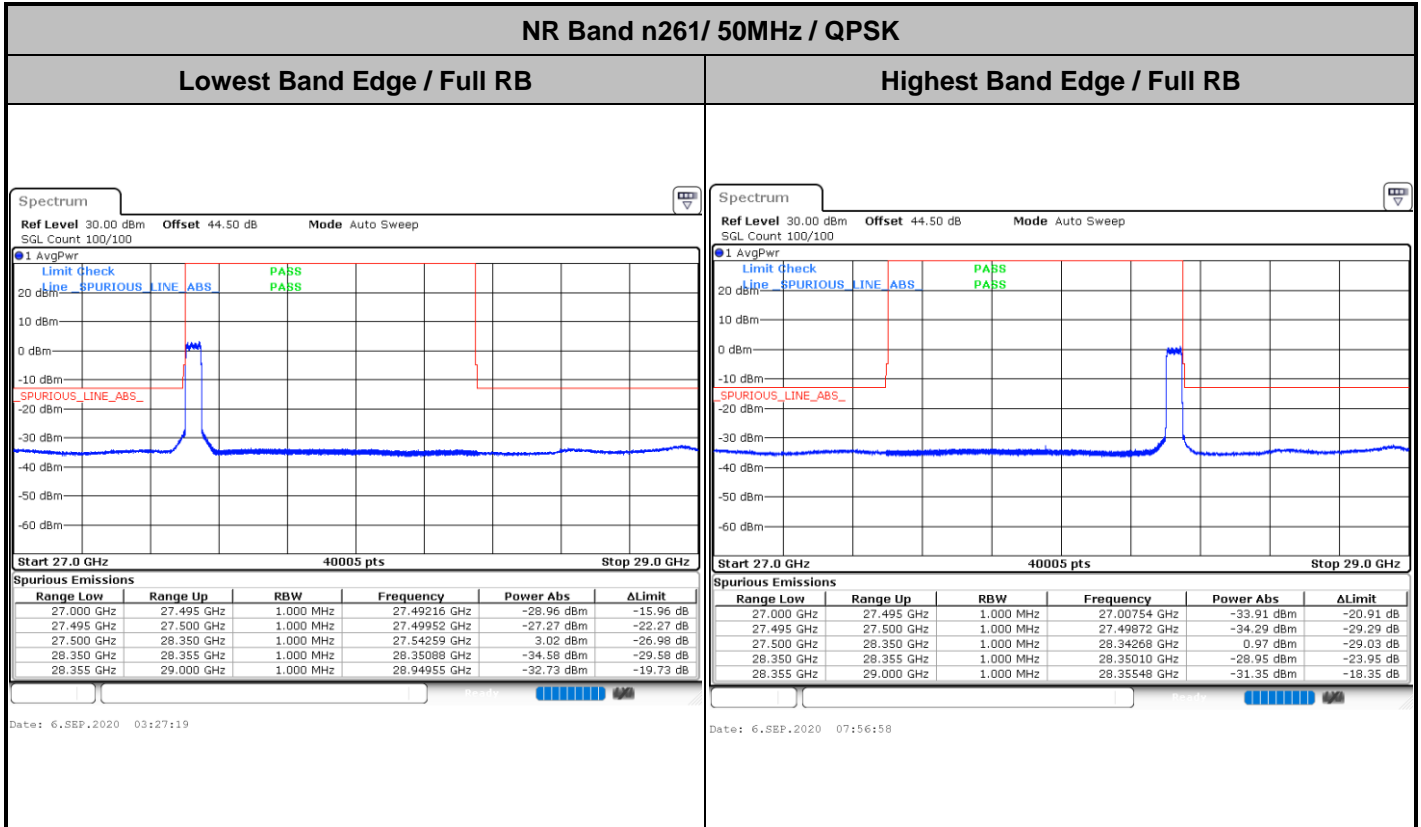
Highest Band Edge / Full RB



Date: 15_SEP.2020 05:24:08



CP-OFDM Module 1

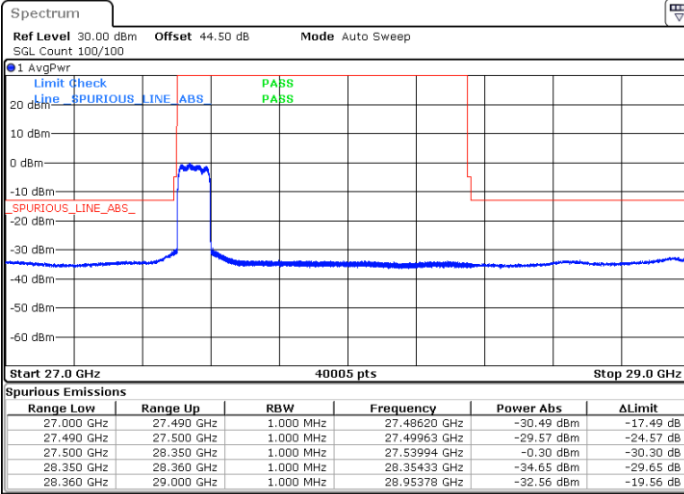




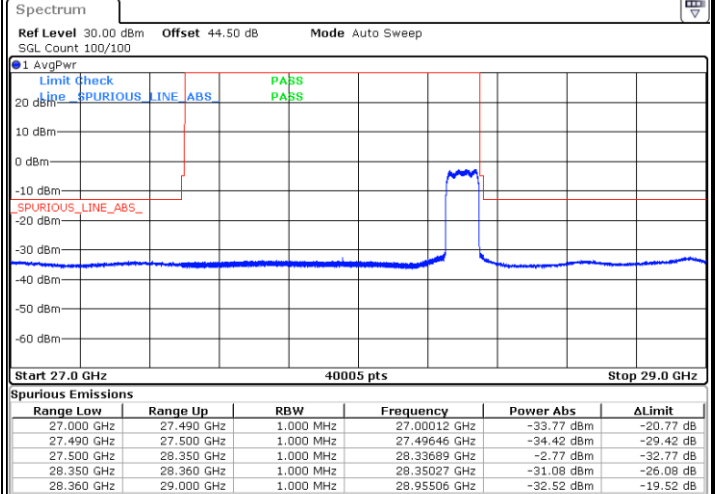
NR Band n261/ 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



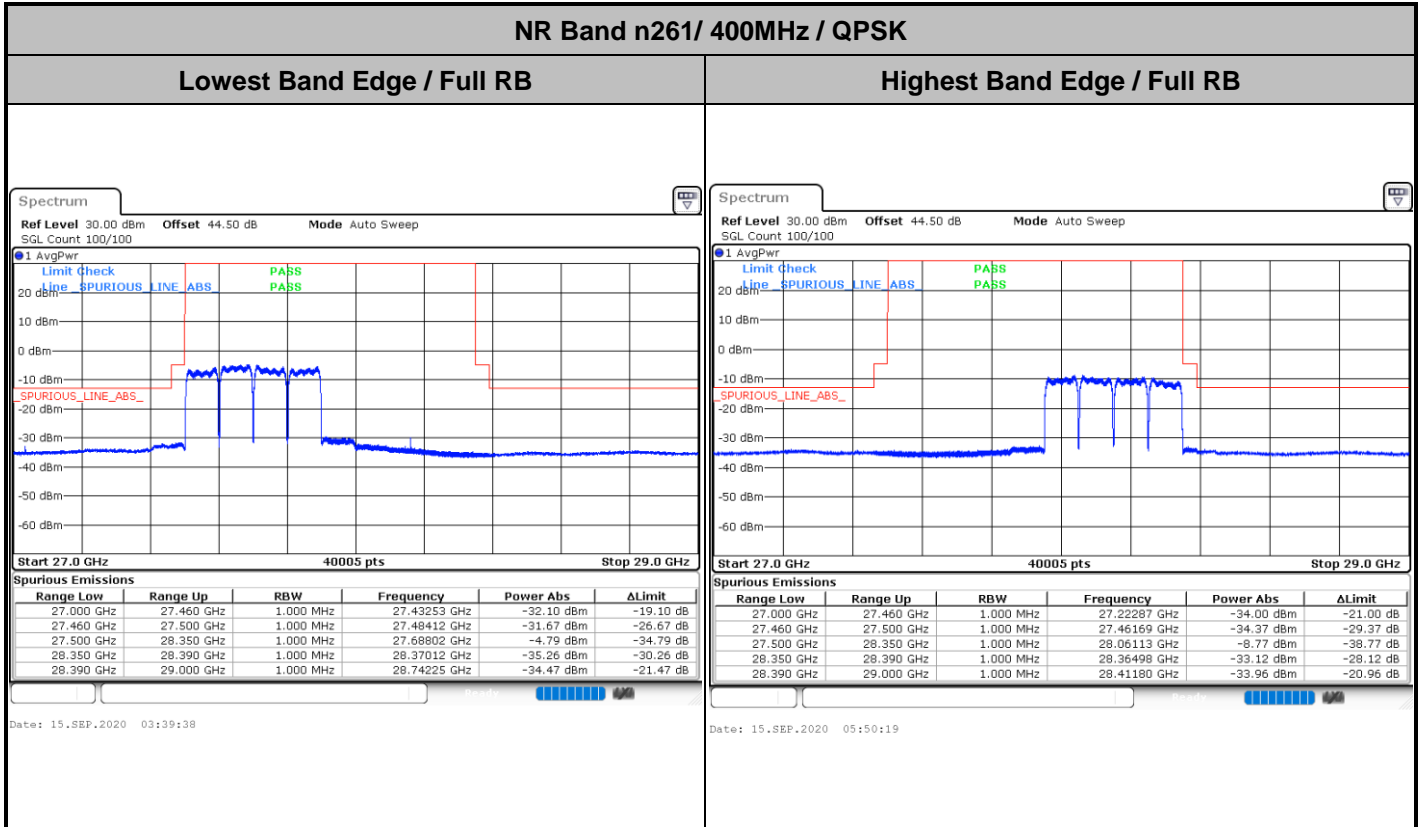
Date: 6.SEP.2020 04:28:20



Date: 6.SEP.2020 08:48:43



CP-OFDM Module 1



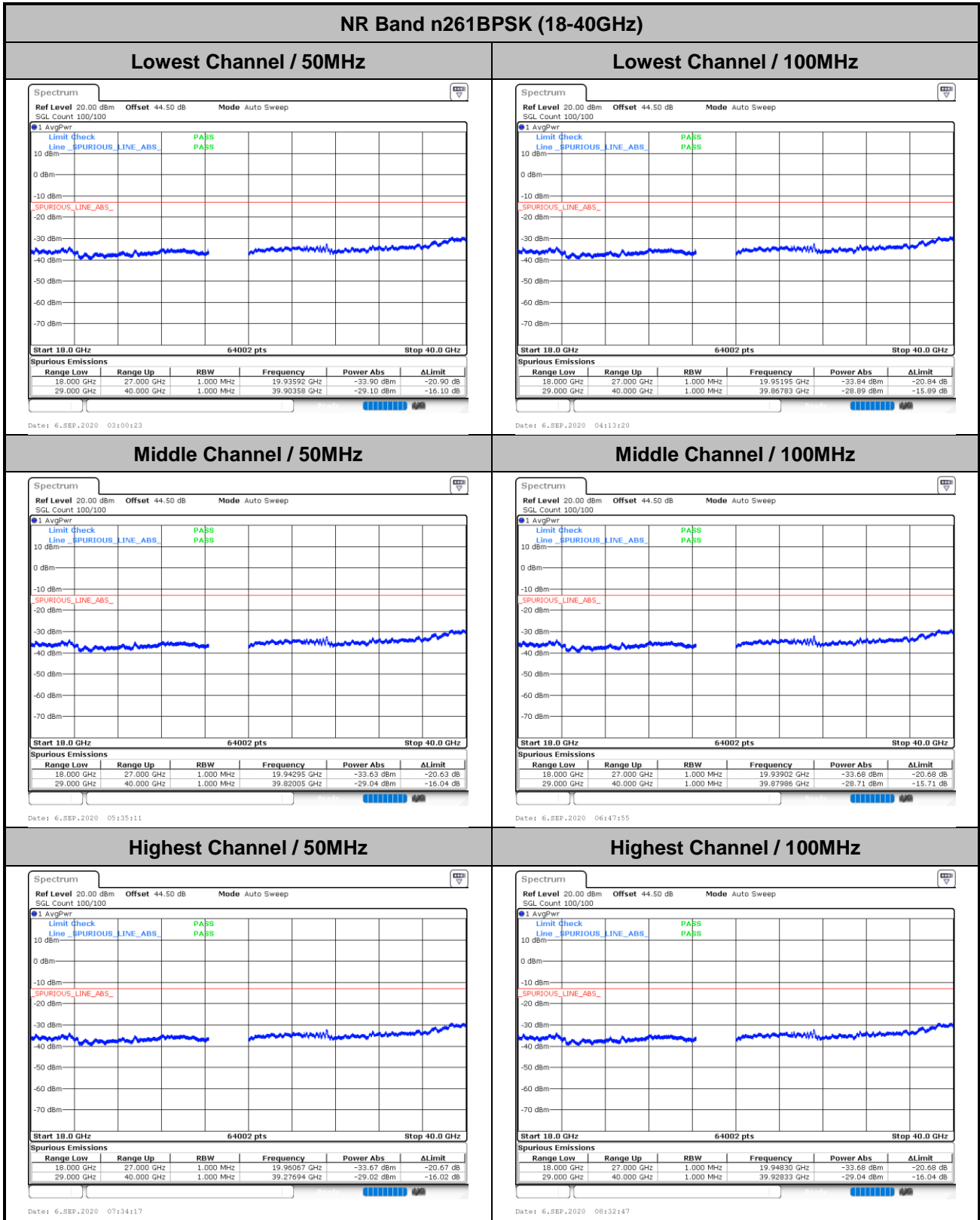


Spurious Emission



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

DFT-s-OFDM Module 1

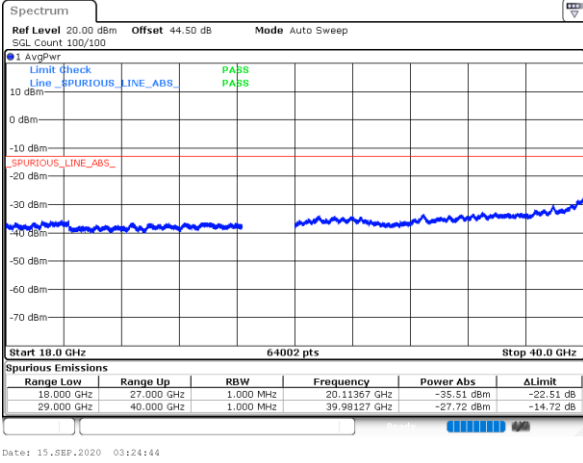




DFT-s-OFDM Module 1

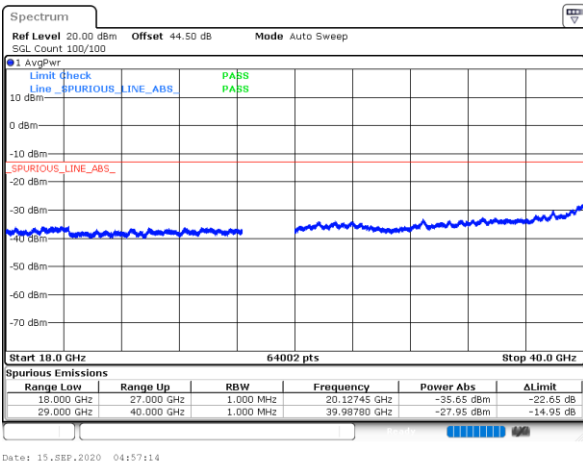
NR Band n261BPSK (18-40GHz)

Lowest Channel / 400MHz



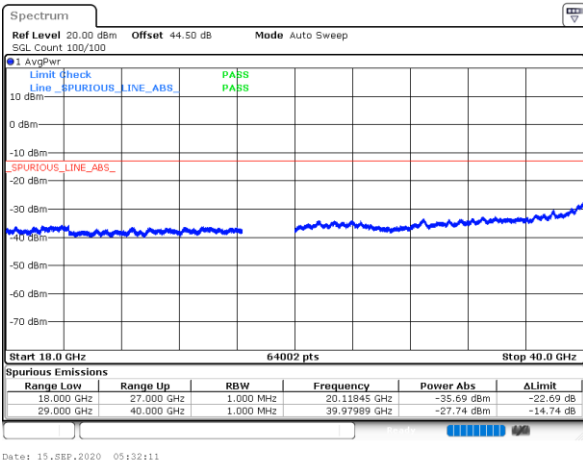
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



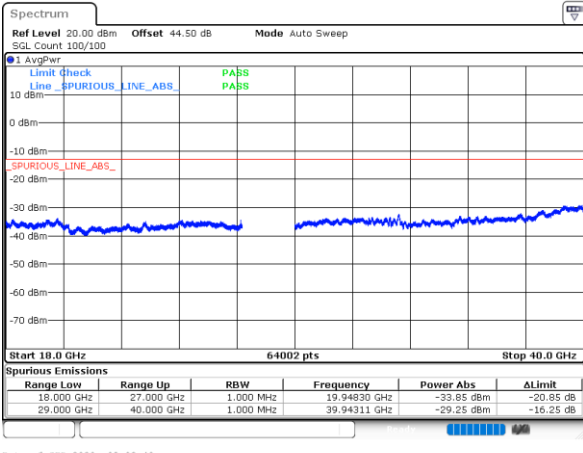
intentionally blank



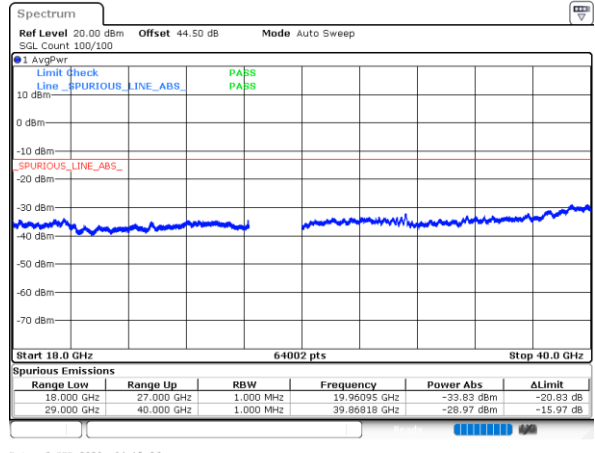
DFT-s-OFDM Module 1

NR Band n261QPSK (18-40GHz)

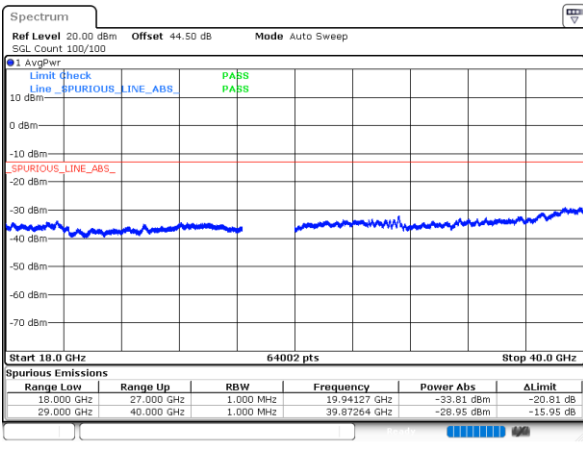
Lowest Channel / 50MHz



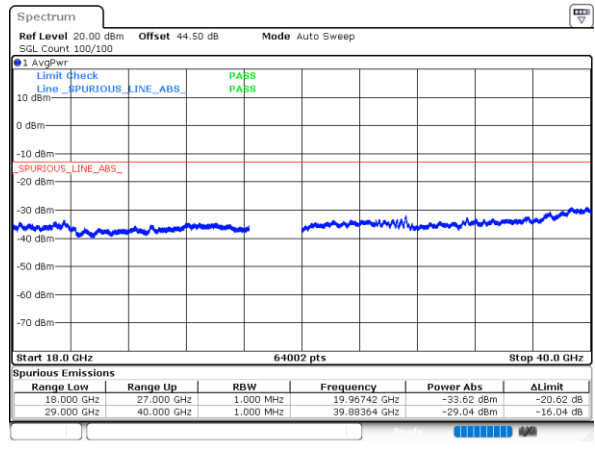
Lowest Channel / 100MHz



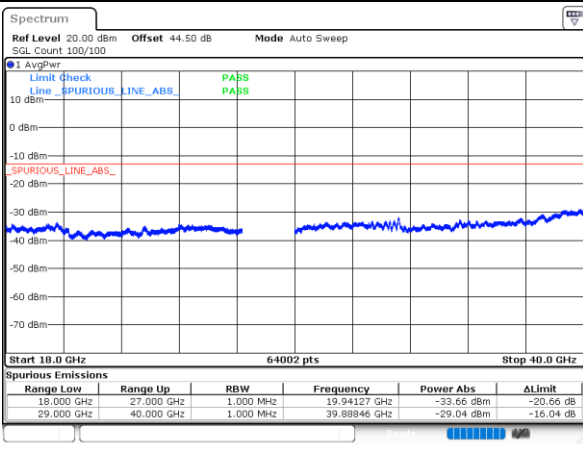
Middle Channel / 50MHz



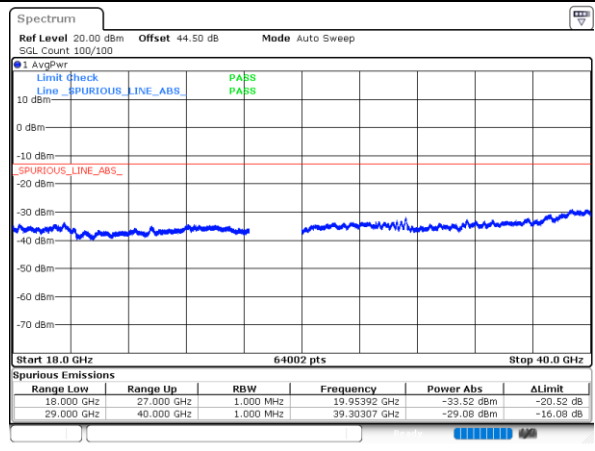
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

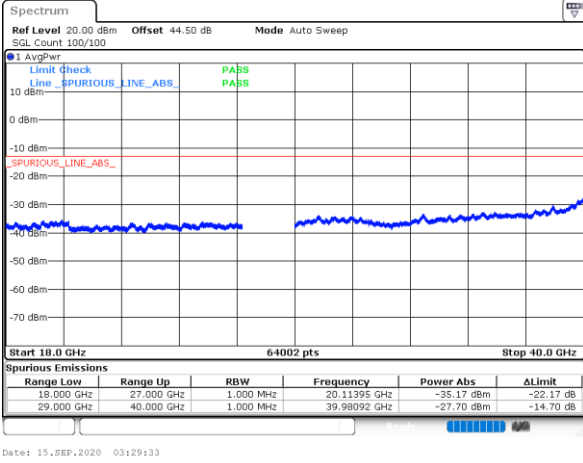




DFT-s-OFDM Module 1

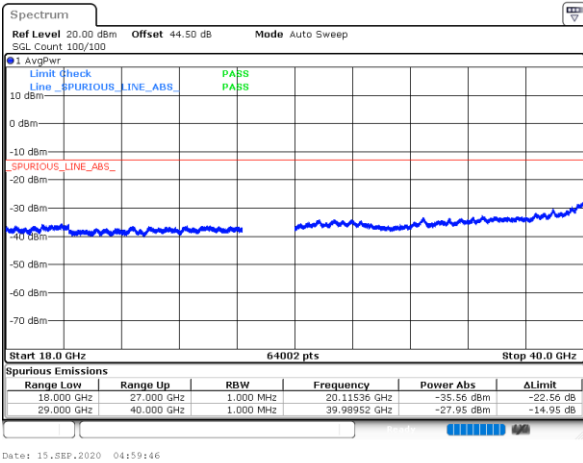
NR Band n261QPSK (18-40GHz)

Lowest Channel / 400MHz



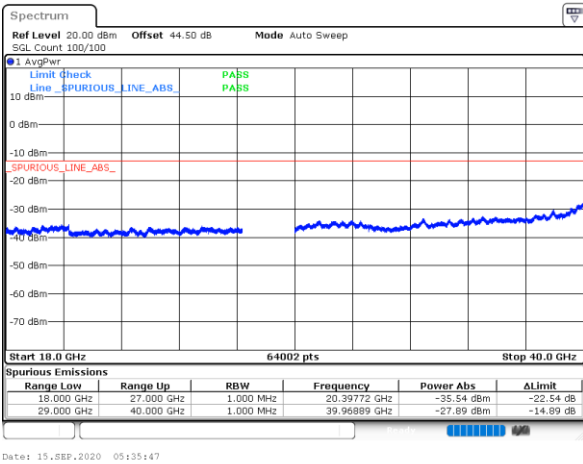
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



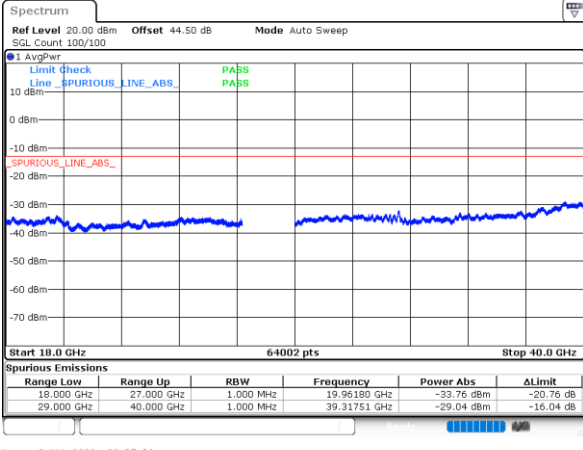
intentionally blank



CP-OFDM Module 1

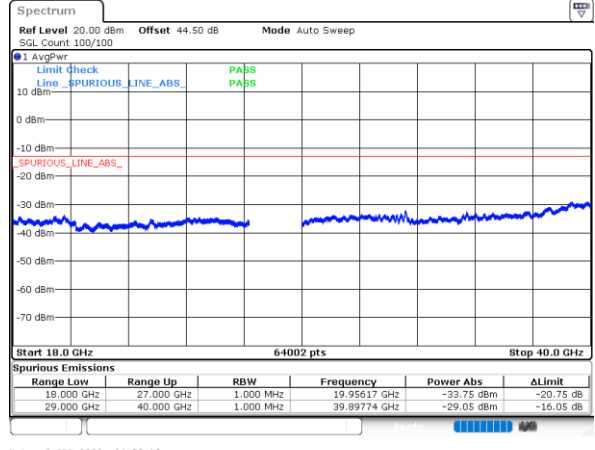
NR Band n261QPSK (18-40GHz)

Lowest Channel / 50MHz



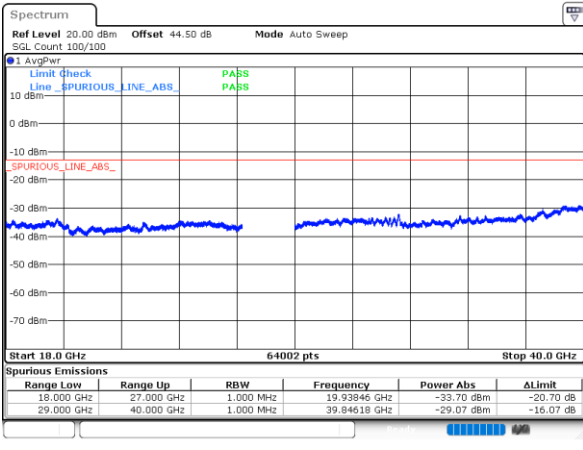
Date: 6,SEP,2020 03:57:50

Lowest Channel / 100MHz



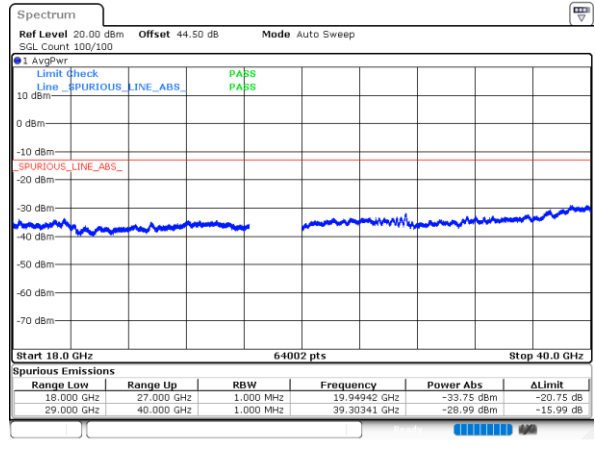
Date: 6,SEP,2020 04:39:13

Middle Channel / 50MHz



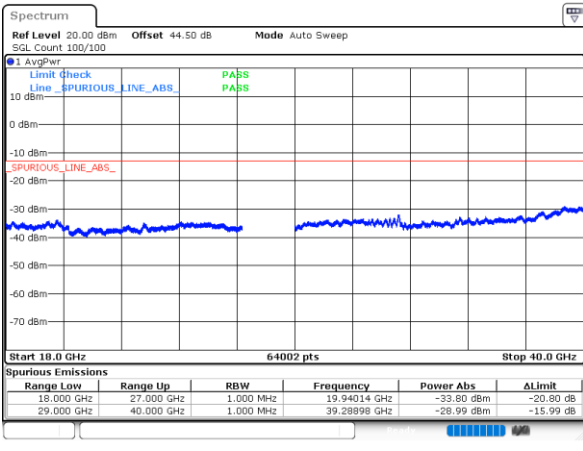
Date: 6,SEP,2020 06:27:34

Middle Channel / 100MHz



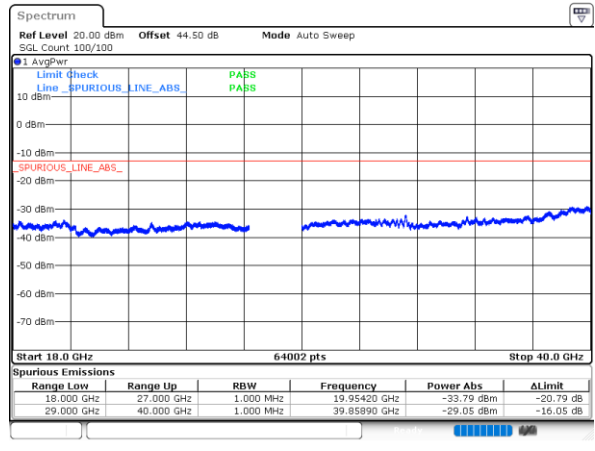
Date: 6,SEP,2020 07:16:30

Highest Channel / 50MHz



Date: 6,SEP,2020 08:10:56

Highest Channel / 100MHz



Date: 6,SEP,2020 08:57:55