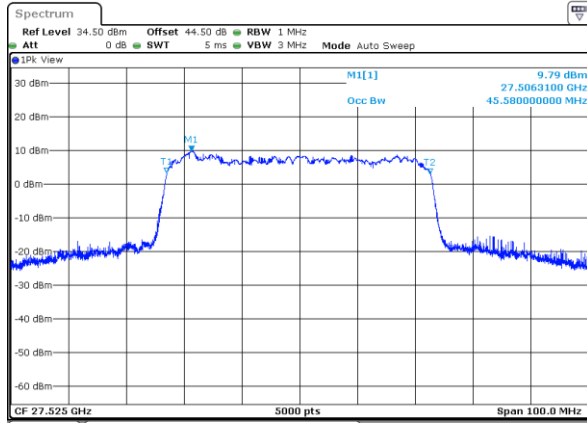




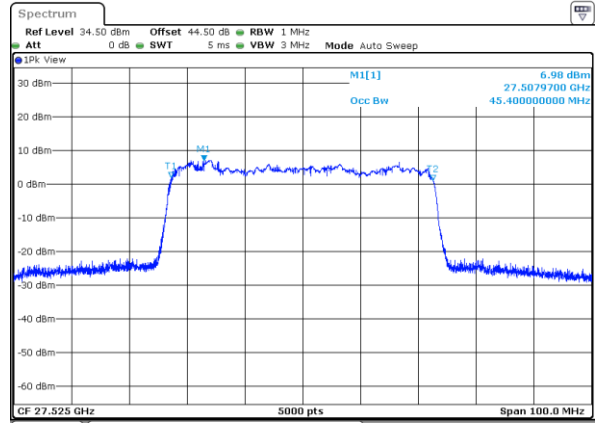
CP-OFDM Module 1

NR Band n261

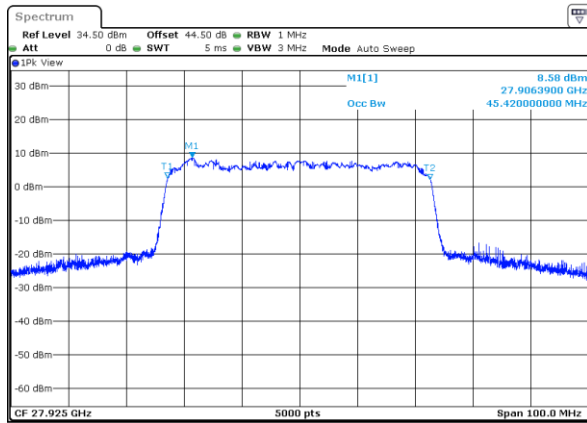
Lowest Channel / 50MHz / QPSK



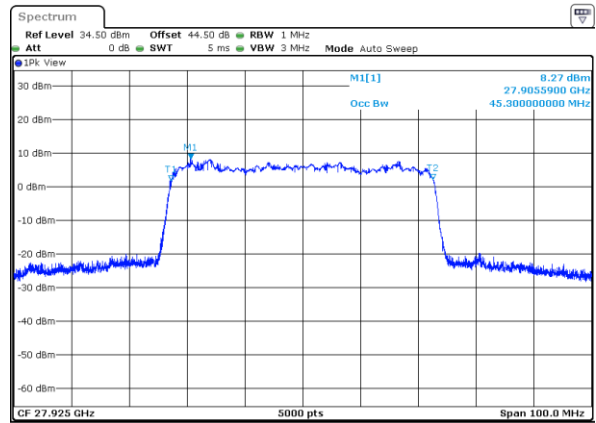
Lowest Channel / 50MHz / 16QAM



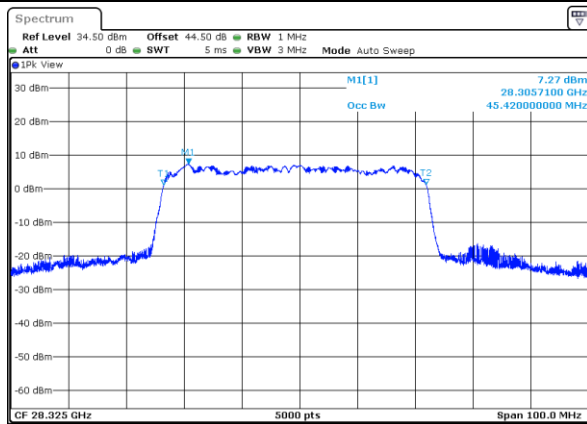
Middle Channel / 50MHz / QPSK



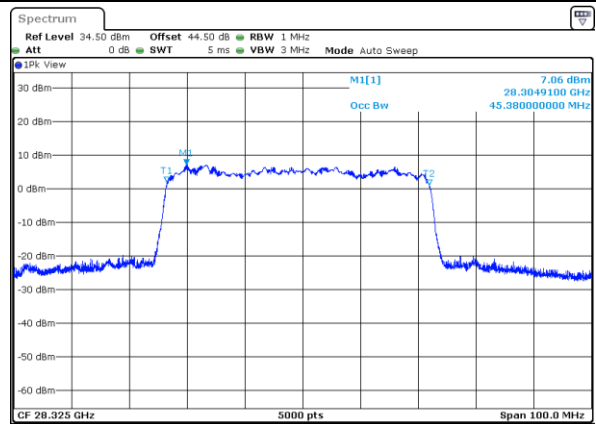
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

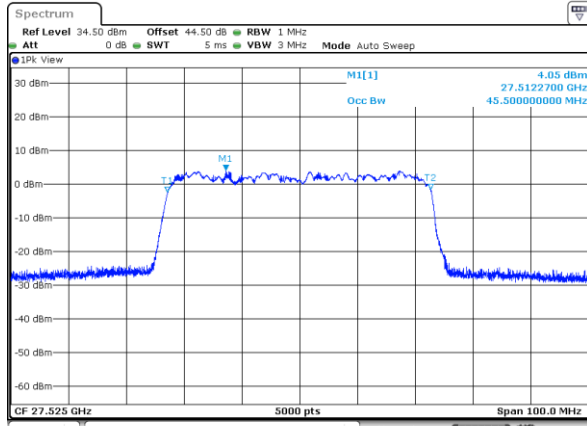




CP-OFDM Module 1

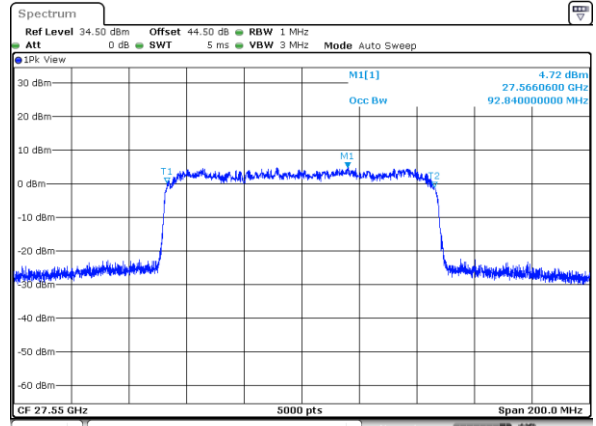
NR Band n261

Lowest Channel / 50MHz / 64QAM



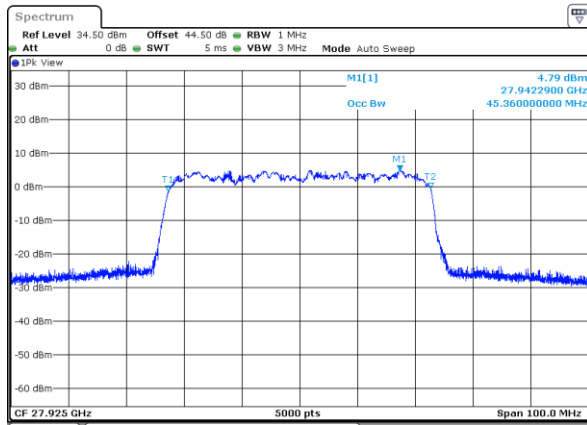
Date: 16.AUG.2020 17:01:49

Lowest Channel / 100MHz / QPSK



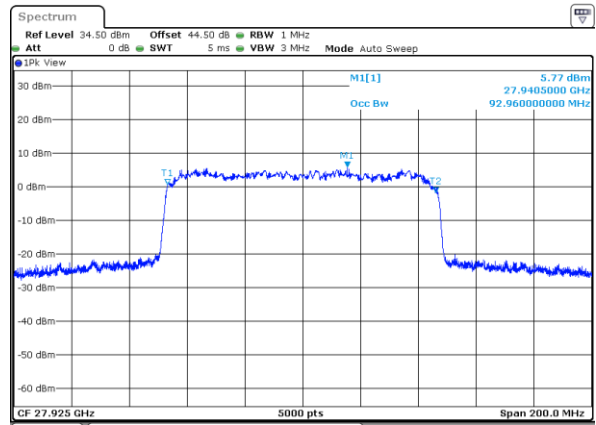
Date: 13.AUG.2020 21:47:08

Middle Channel / 50MHz / 64QAM



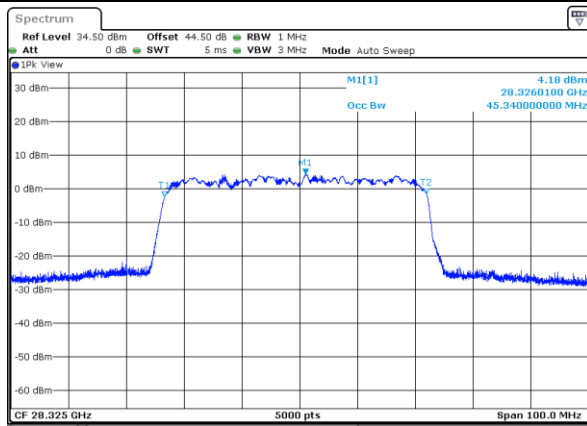
Date: 17.AUG.2020 11:45:26

Middle Channel / 100MHz / QPSK



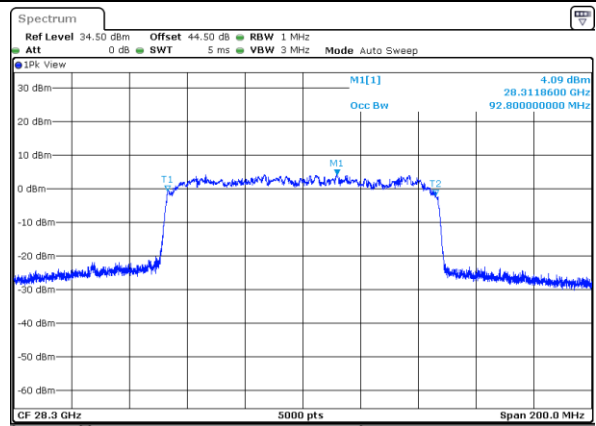
Date: 17.AUG.2020 15:20:14

Highest Channel / 50MHz / 64QAM



Date: 17.AUG.2020 19:33:42

Highest Channel / 100MHz / QPSK



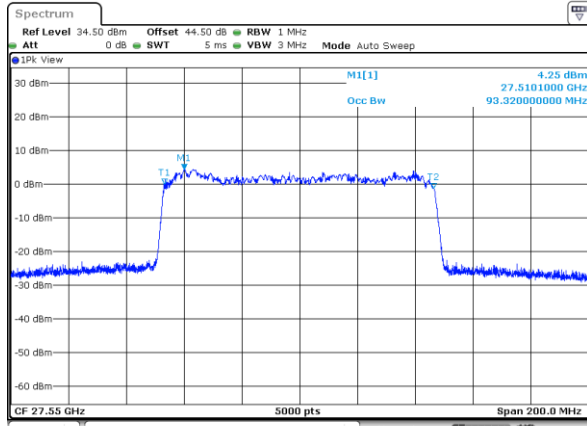
Date: 17.AUG.2020 22:14:24



CP-OFDM Module 1

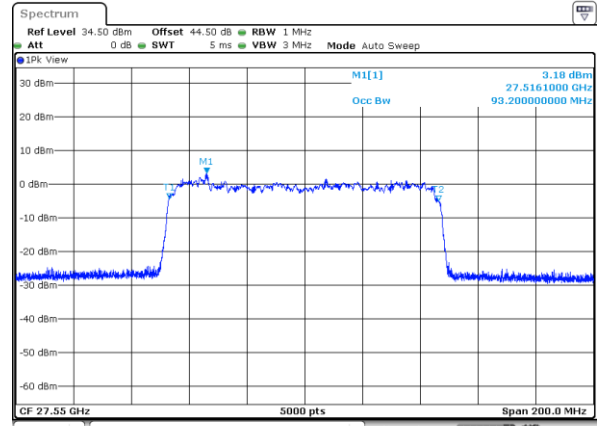
NR Band n261

Lowest Channel / 100MHz / 16QAM



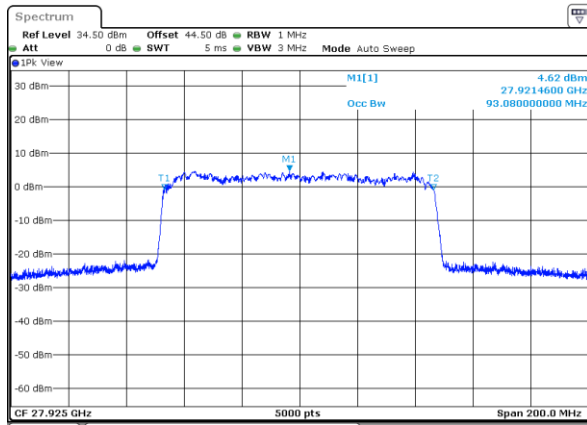
Date: 17.AUG.2020 10:12:56

Lowest Channel / 100MHz / 64QAM



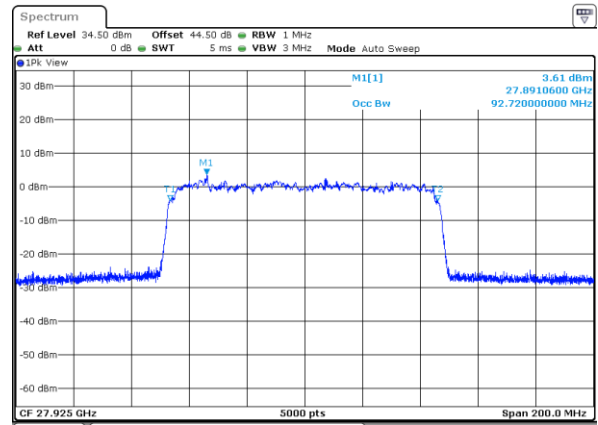
Date: 17.AUG.2020 10:18:19

Middle Channel / 100MHz / 16QAM



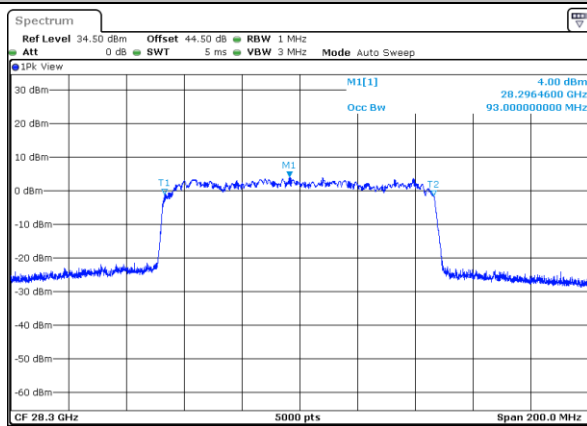
Date: 17.AUG.2020 15:12:14

Middle Channel / 100MHz / 64QAM



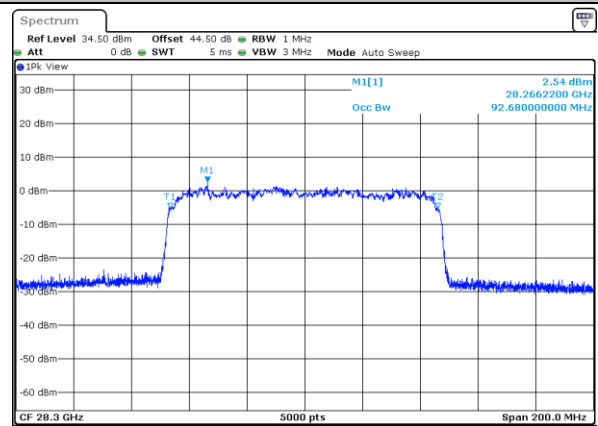
Date: 17.AUG.2020 15:13:14

Highest Channel / 100MHz / 16QAM



Date: 17.AUG.2020 22:12:40

Highest Channel / 100MHz / 64QAM



Date: 17.AUG.2020 22:08:24

Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 1 NR Band n261: BE (dBm) 1 RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-22.36	-19.92	-21.74	-23.45	-24.37	-21.61	-23.96	-25.46
	>10%OB	≤ -13	-32.11	-31.49	-32.17	-33.15	-32.4	-32.23	-33	-33.11
High CH	0~10%OB	≤ -5	-29.33	-29.71	-29.68	-31.48	-25.23	-24.98	-26.97	-26.67
	>10%OB	≤ -13	-33.98	-33.44	-34.32	-34.42	-34.38	-33.98	-34.31	-34.49
Result			Compliance							

Mode			CP-OFDM Module 1 NR Band n261: BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-22.95	-21.85	-25.31	-24.81	-25.26	-26.83
	>10%OB	≤ -13	-32.69	-32.99	-33.79	-32.87	-33.19	-33.95
High CH	0~10%OB	≤ -5	-30.34	-29.93	-31.51	-28.31	-27.83	-27.82
	>10%OB	≤ -13	-34.42	-34.22	-34.49	-34.52	-34.45	-34.47
Result			Compliance					

Mode			DFT-s-OFDM Module 1 NR Band n261: BE (dBm) Full RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-29.6	-27.28	-28.3	-30.01	-32.44	-30.74	-32.41	-33.28
	>10%OB	≤ -13	-32.65	-28.82	-29.31	-31.76	-33.91	-32.04	-32.99	-33.87
High CH	0~10%OB	≤ -5	-31.97	-28.9	-30.82	-30.82	-34.14	-31.52	-32.82	-34.15
	>10%OB	≤ -13	-34.39	-32.18	-33.77	-33.77	-34.38	-33.91	-34.28	-34.49
Result			Compliance							

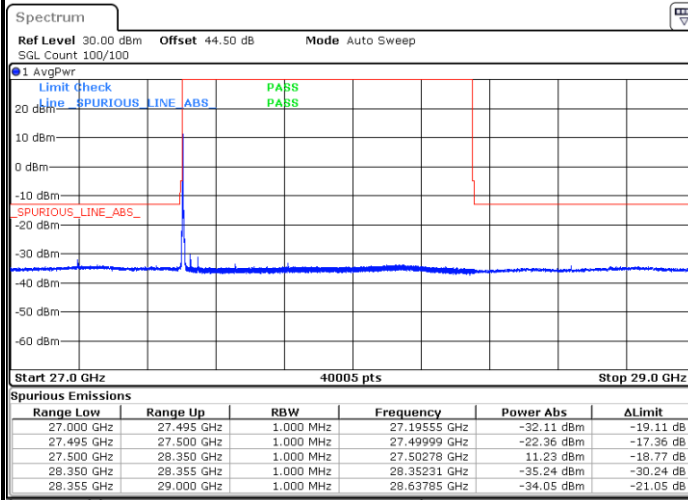
Mode			CP-OFDM Module 1 NR Band n261: BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-26.31	-32.39	-32.39	-31.75	-32.3	-33.77
	>10%OB	≤ -13	-28.1	-33.63	-33.63	-32.38	-33.06	-33.94
High CH	0~10%OB	≤ -5	-29.66	-31.17	-33.13	-32.2	-34.33	-34.33
	>10%OB	≤ -13	-33.49	-33.78	-34.45	-33.4	-34.52	-34.52
Result			Compliance					



DFT-s-OFDM Module 1

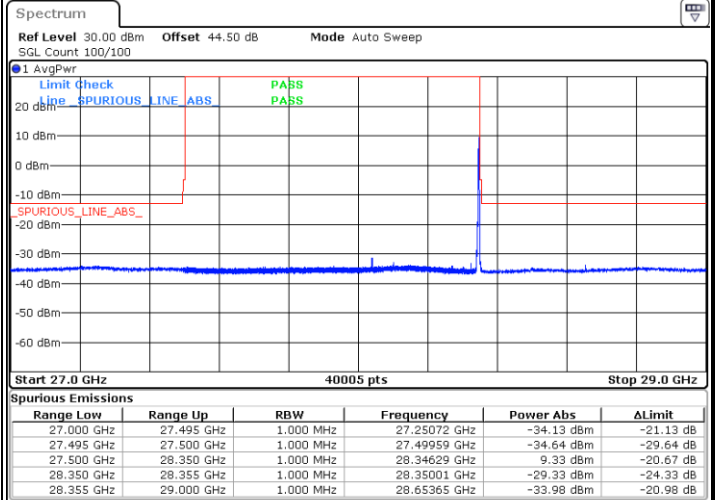
NR Band n261/ 50MHz / BPSK

Lowest Band Edge / 1 RB



Date: 16.AUG.2020 16:43:50

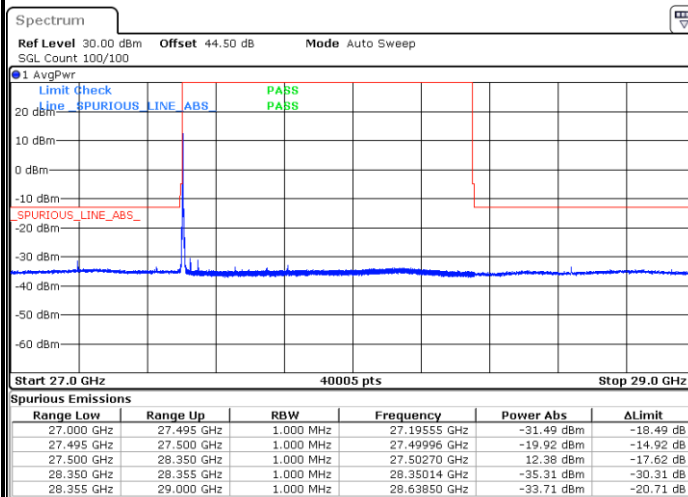
Highest Band Edge / 1 RB



Date: 17.AUG.2020 17:22:56

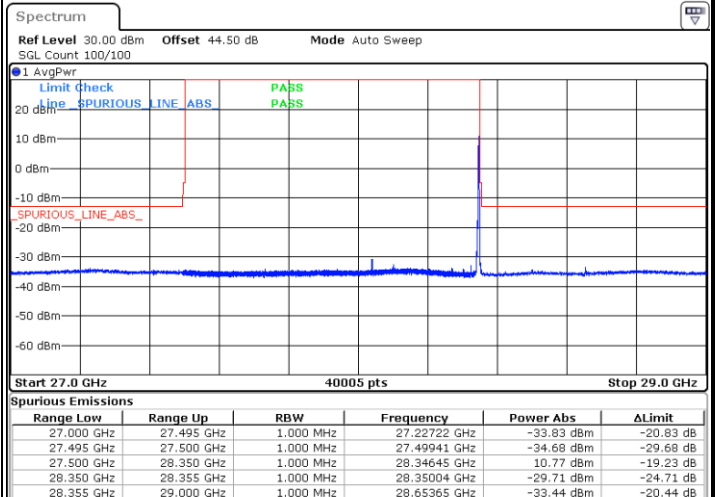
NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB



Date: 16.AUG.2020 16:40:20

Highest Band Edge / 1 RB



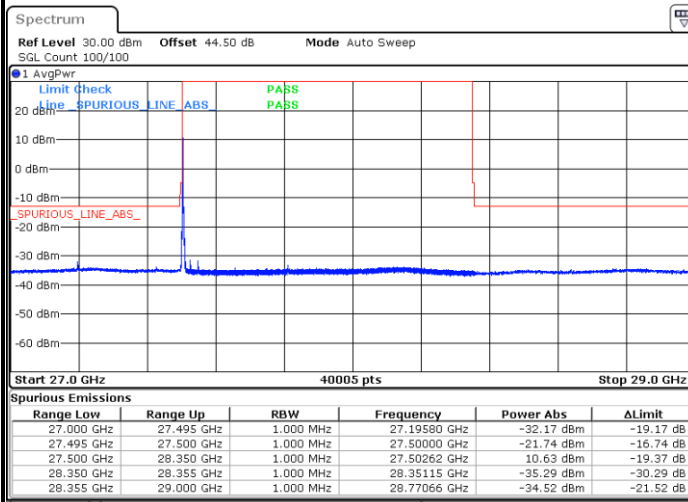
Date: 17.AUG.2020 17:20:38



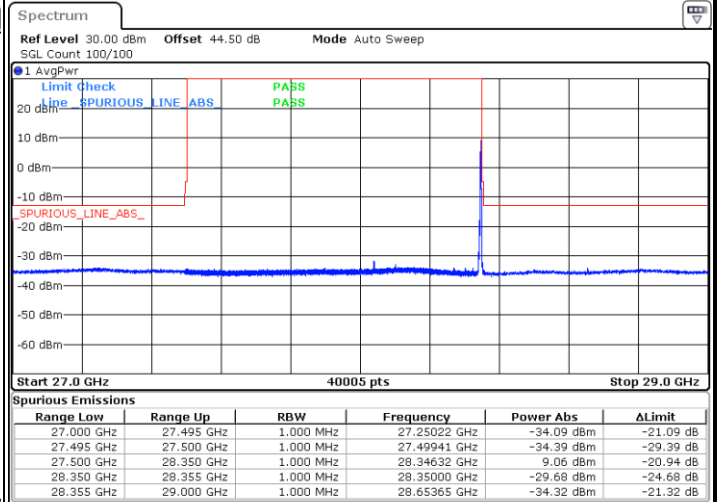
DFT-s-OFDM Module 1

NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / 1 RB

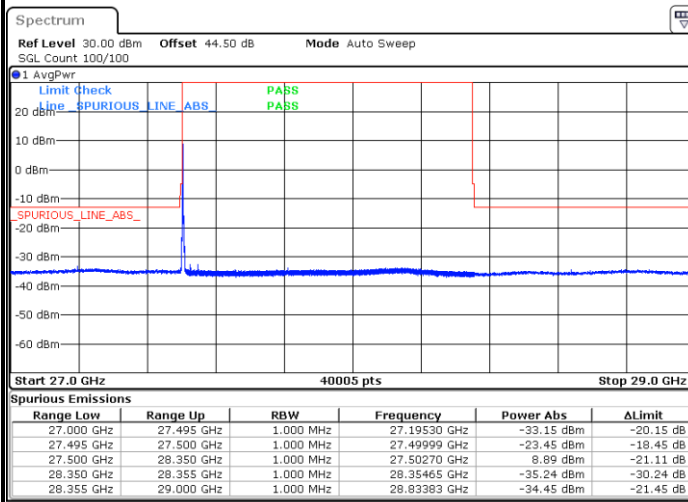


Highest Band Edge / 1 RB

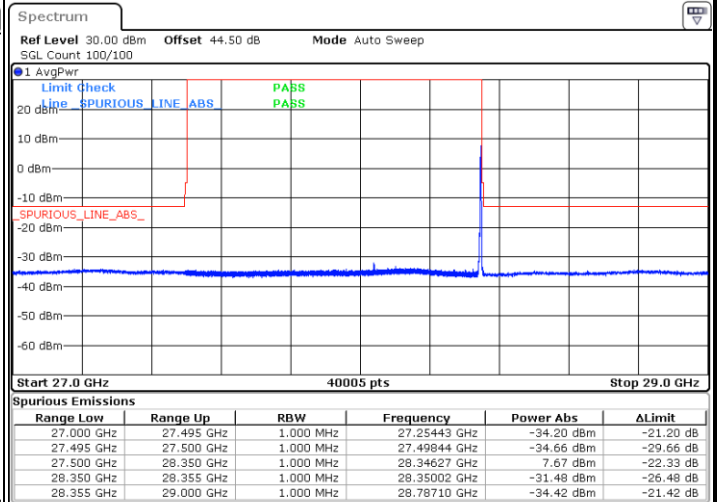


NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

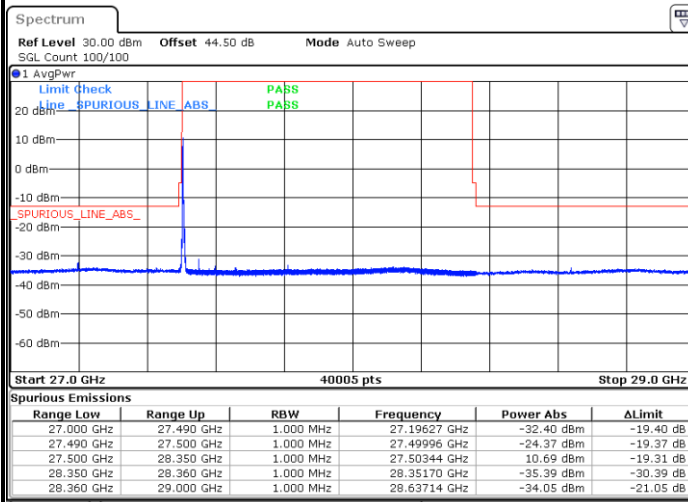




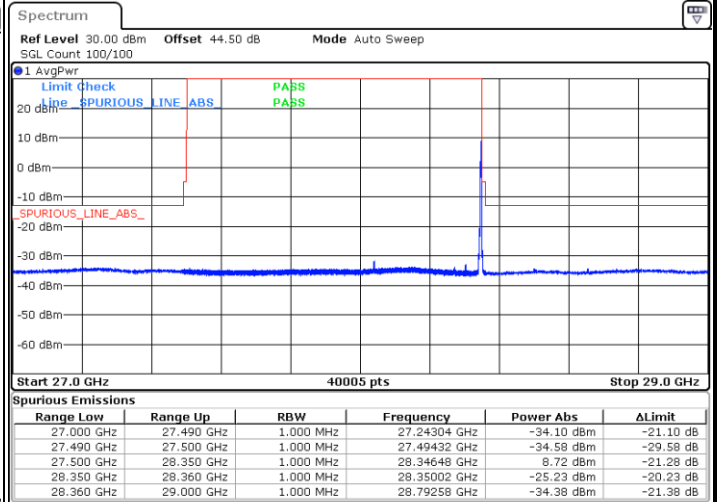
DFT-s-OFDM Module 1

NR Band n261/ 100MHz / BPSK

Lowest Band Edge / 1 RB

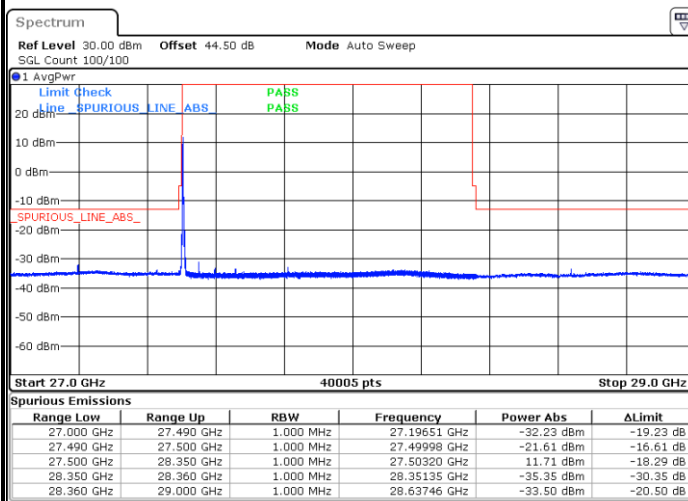


Highest Band Edge / 1 RB

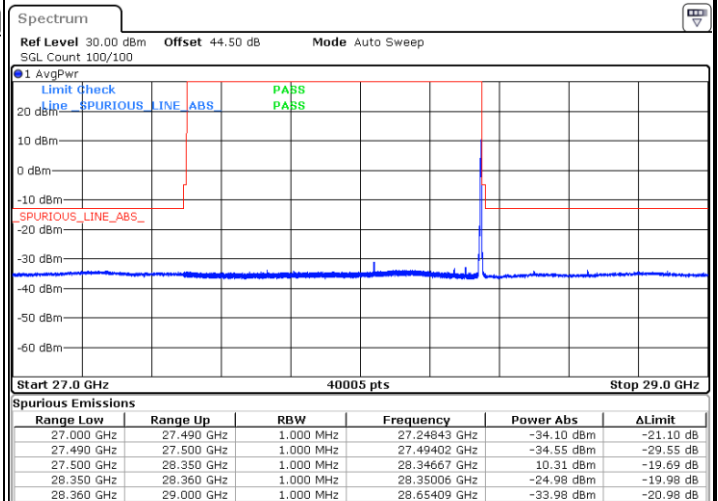


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

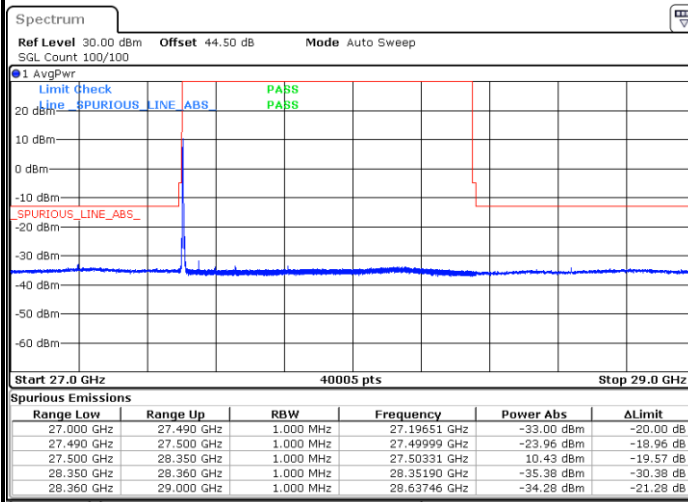




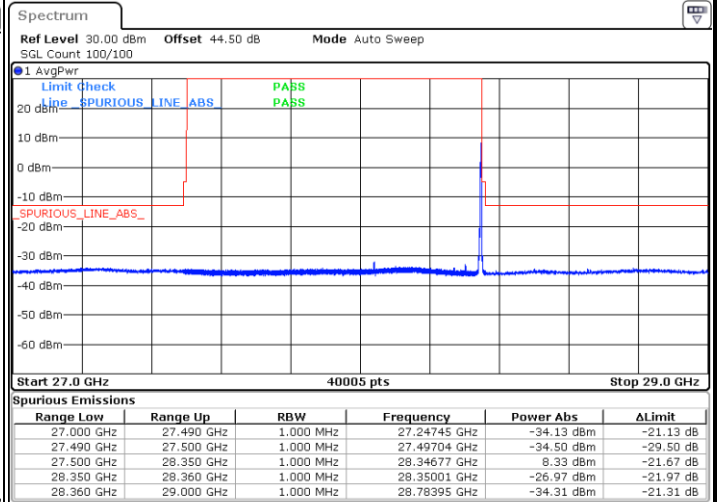
DFT-s-OFDM Module 1

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

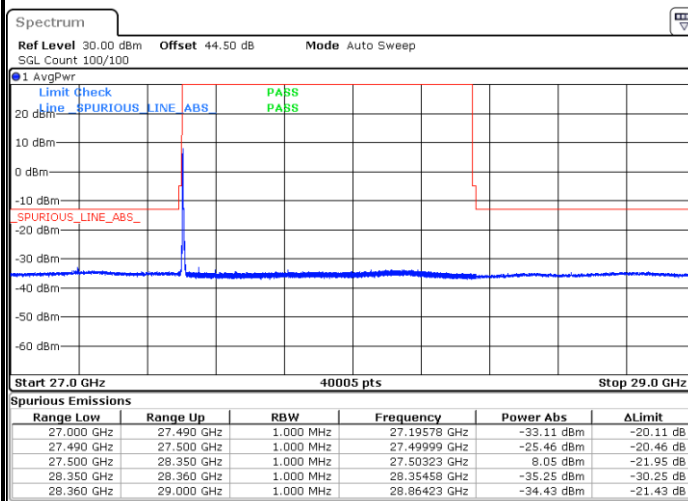


Highest Band Edge / 1 RB

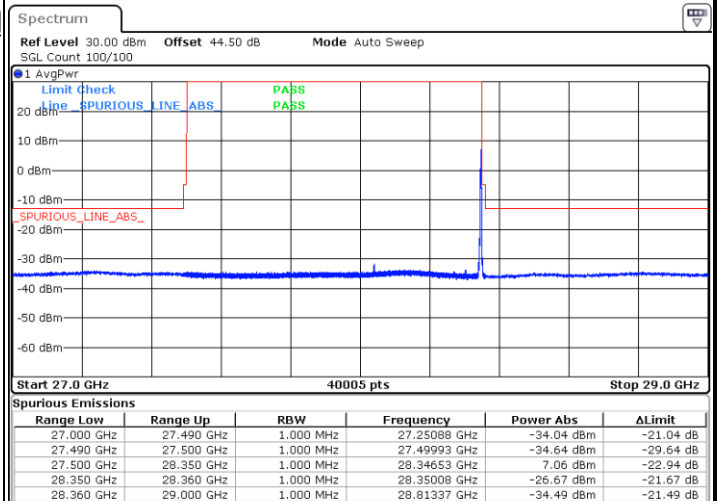


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

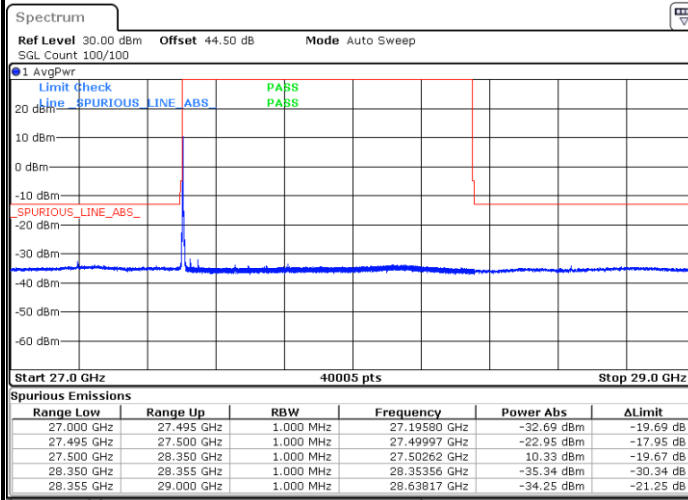




CP-OFDM Module 1

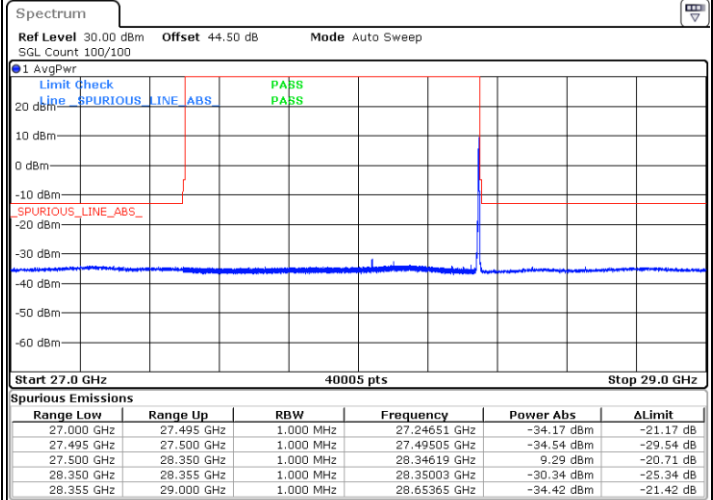
NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB



Date: 16.AUG.2020 16:56:12

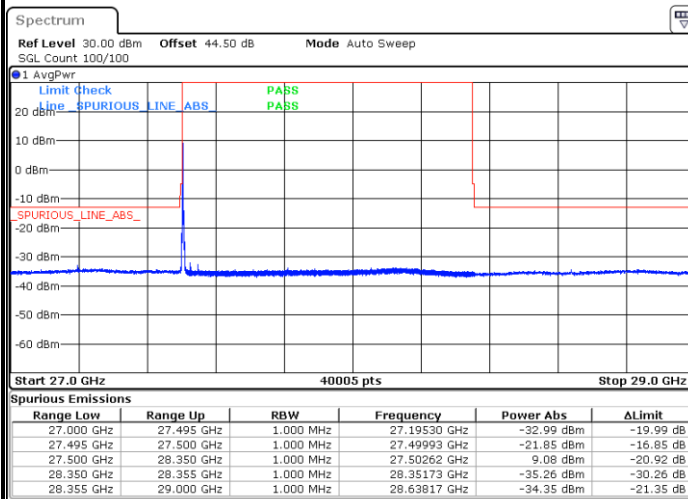
Highest Band Edge / 1 RB



Date: 17.AUG.2020 17:54:43

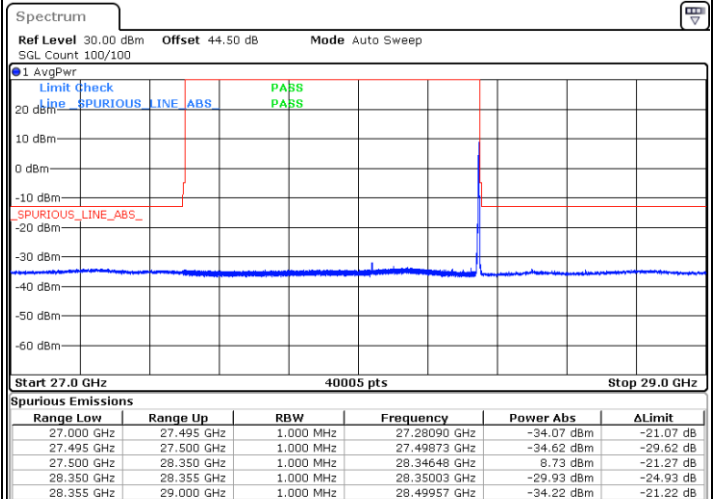
NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 16.AUG.2020 16:58:58

Highest Band Edge / 1 RB



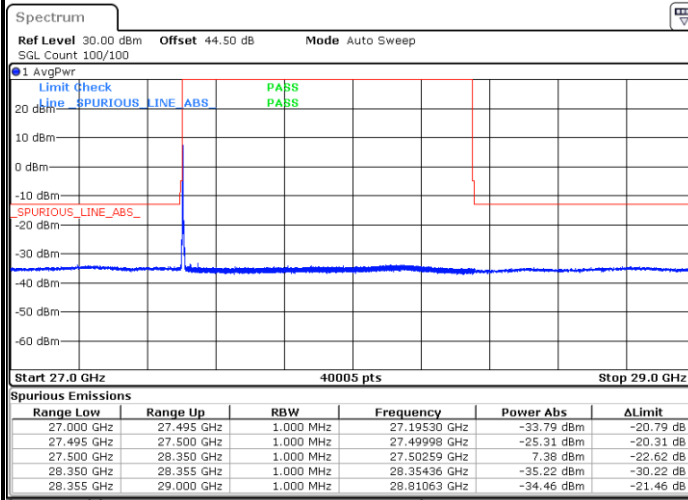
Date: 17.AUG.2020 19:12:18



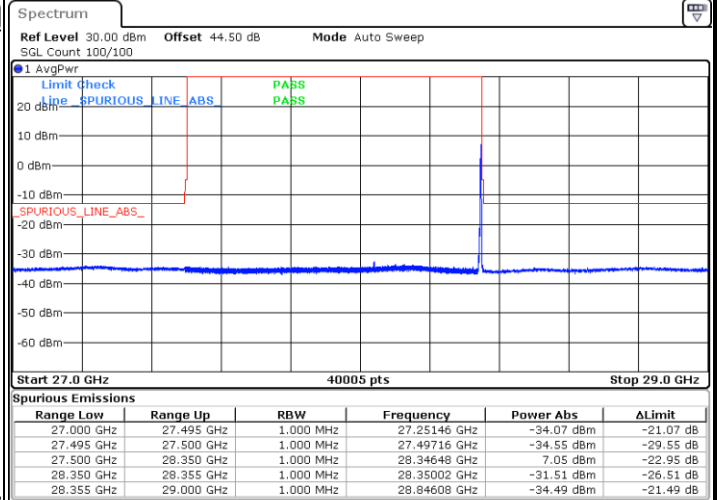
CP-OFDM Module 1

NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / 1 RB

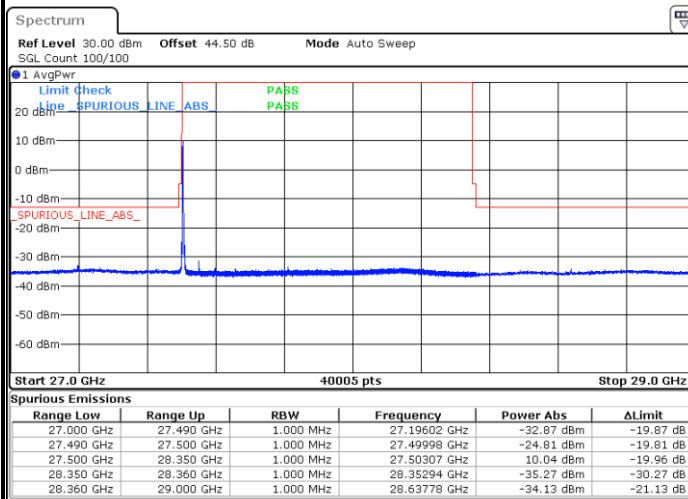


Highest Band Edge / 1 RB

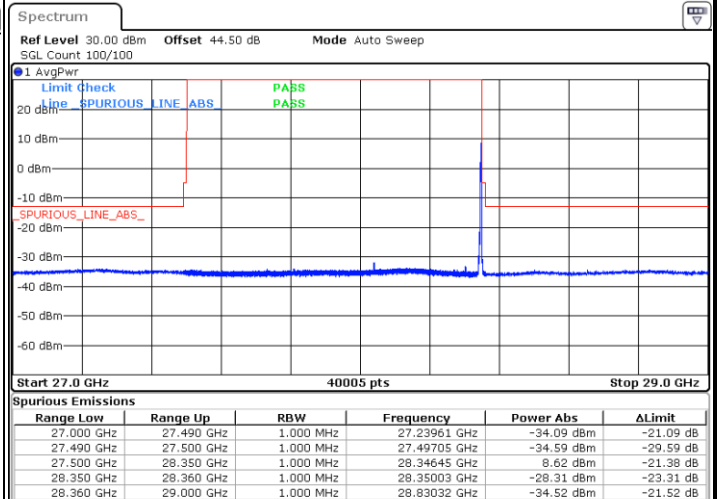


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

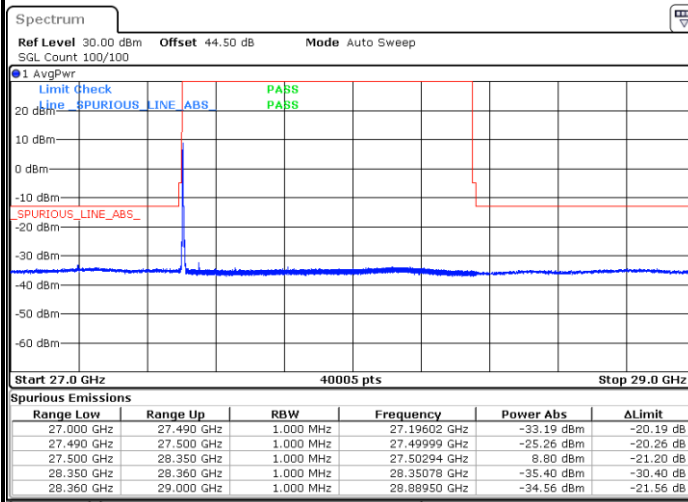




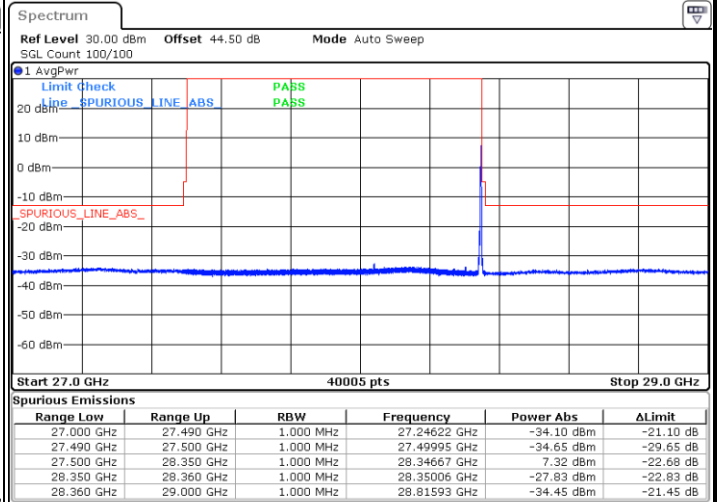
CP-OFDM Module 1

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

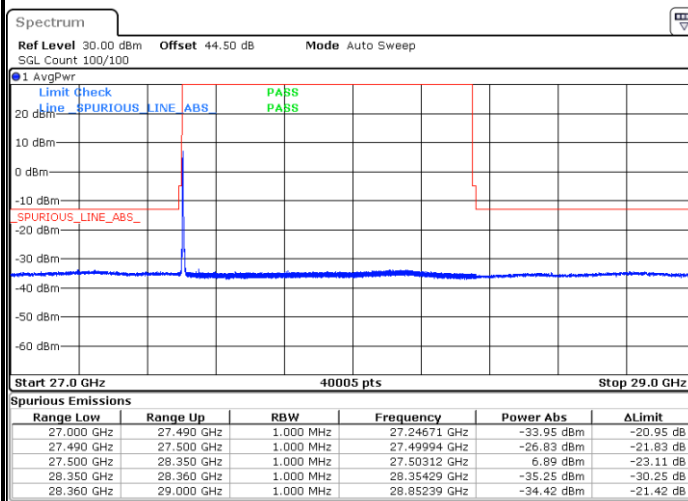


Highest Band Edge / 1 RB

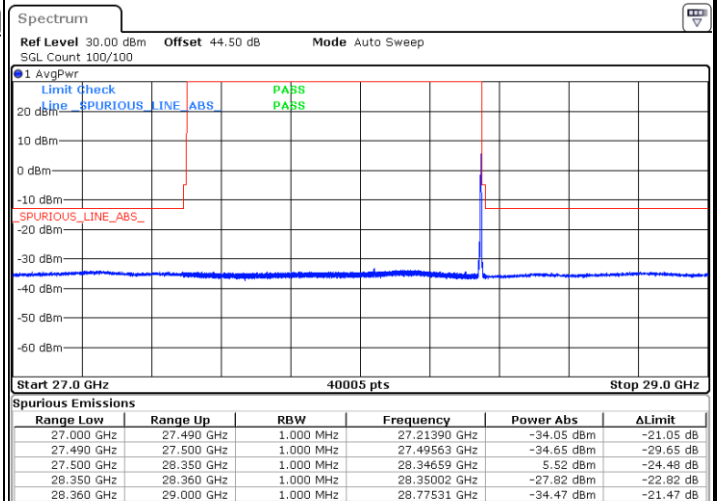


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

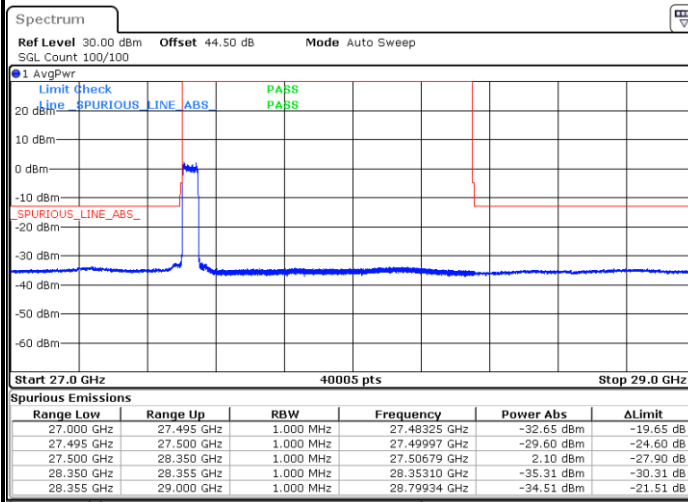




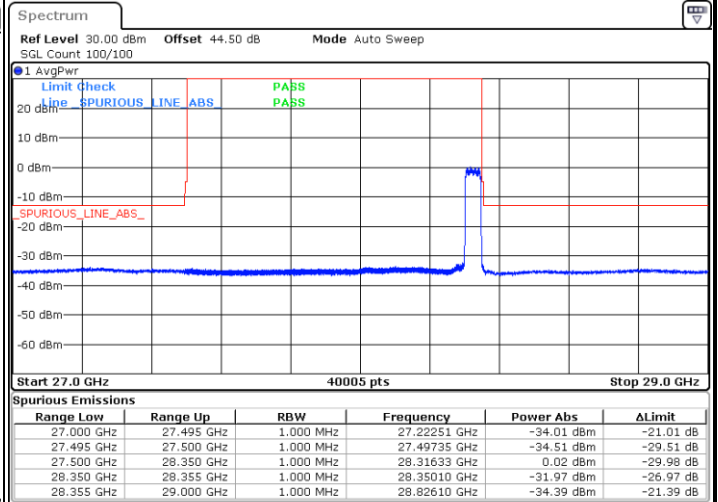
DFT-s-OFDM Module 1

NR Band n261/ 50MHz / BPSK

Lowest Band Edge / Full RB

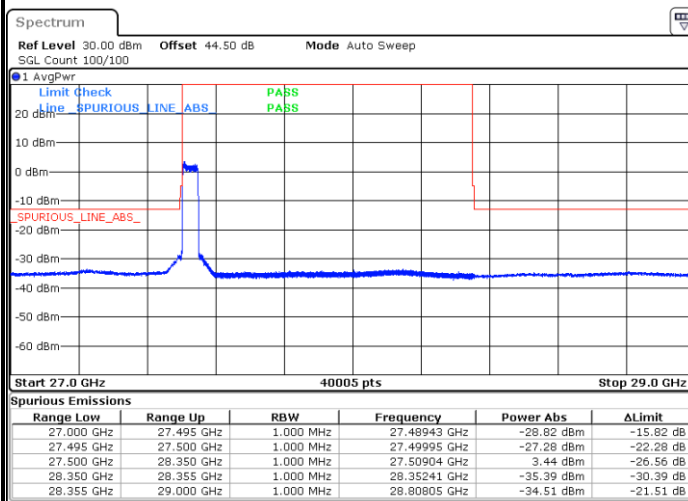


Highest Band Edge / Full RB

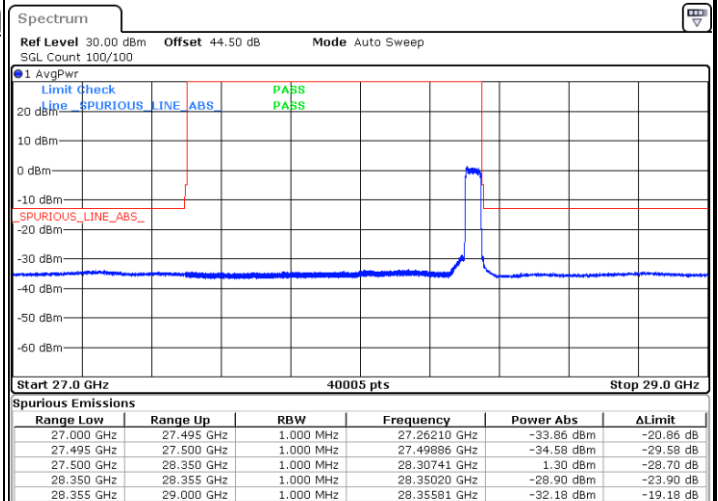


NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

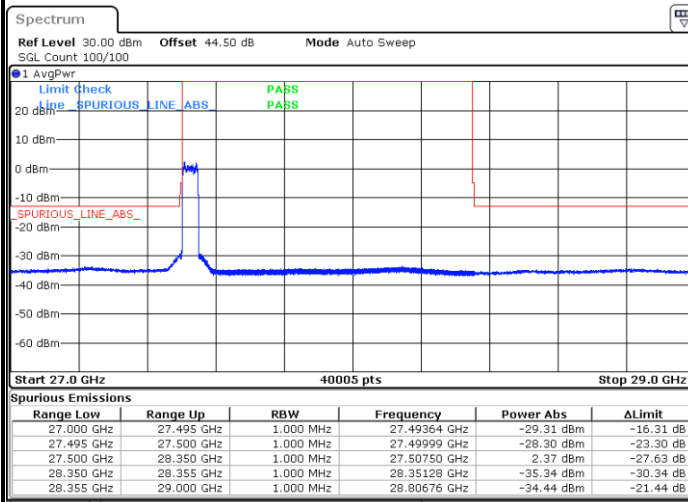




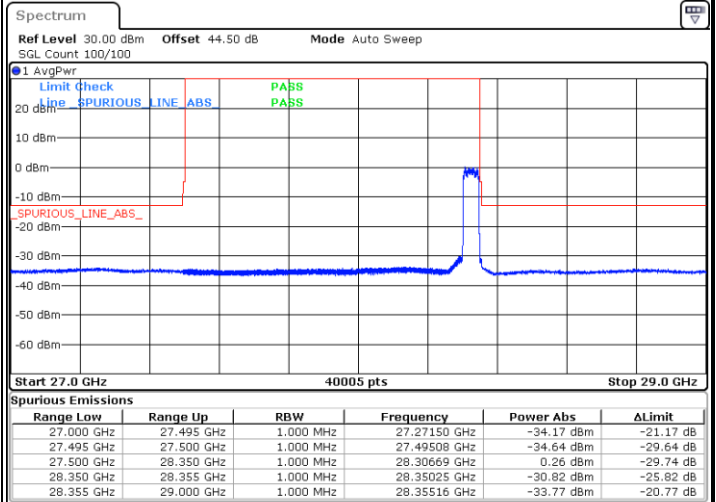
DFT-s-OFDM Module 1

NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / Full RB

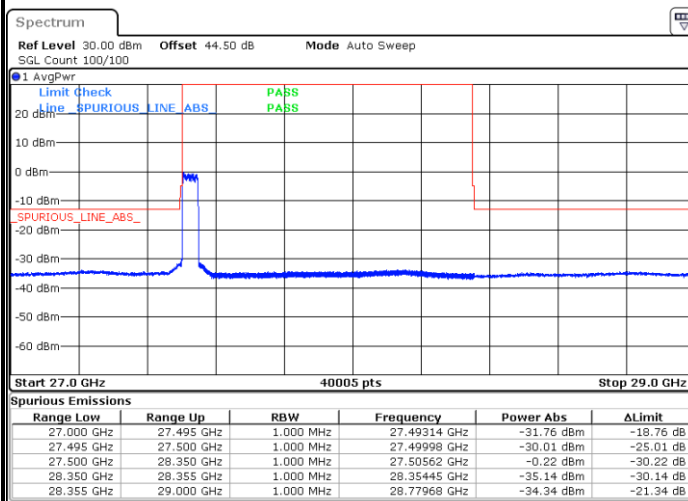


Highest Band Edge / Full RB

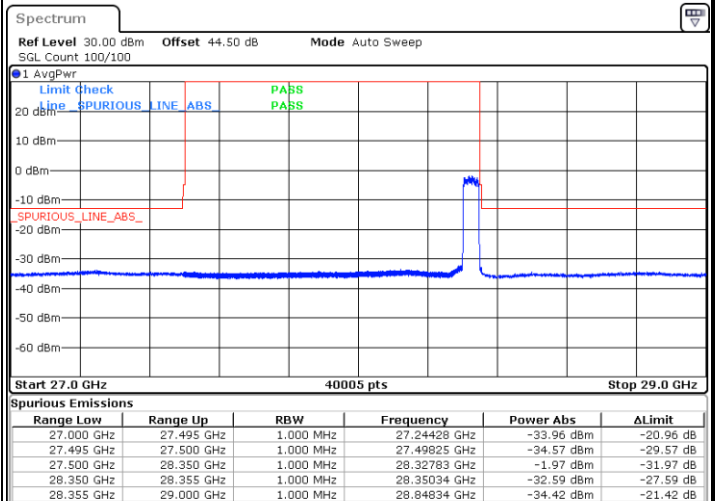


NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

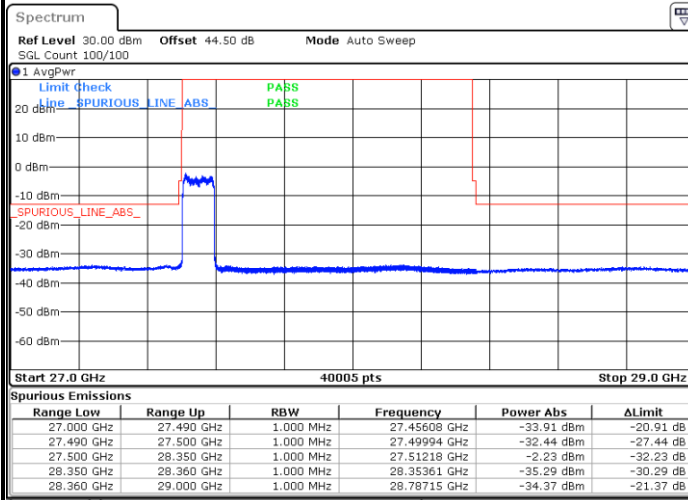




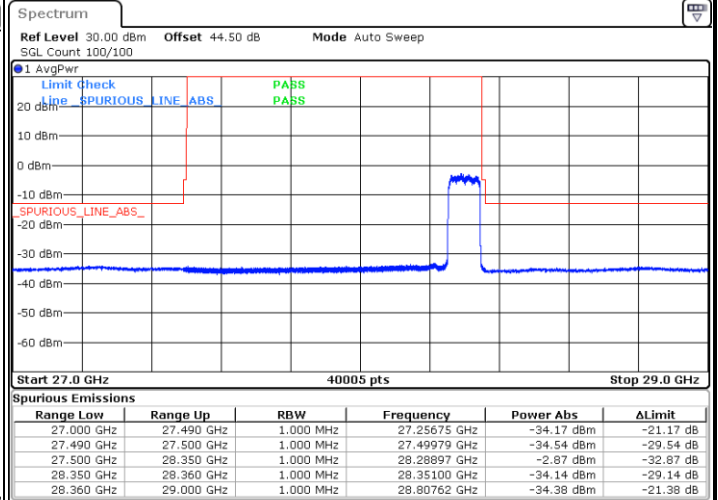
DFT-s-OFDM Module 1

NR Band n261/ 100MHz / BPSK

Lowest Band Edge / Full RB

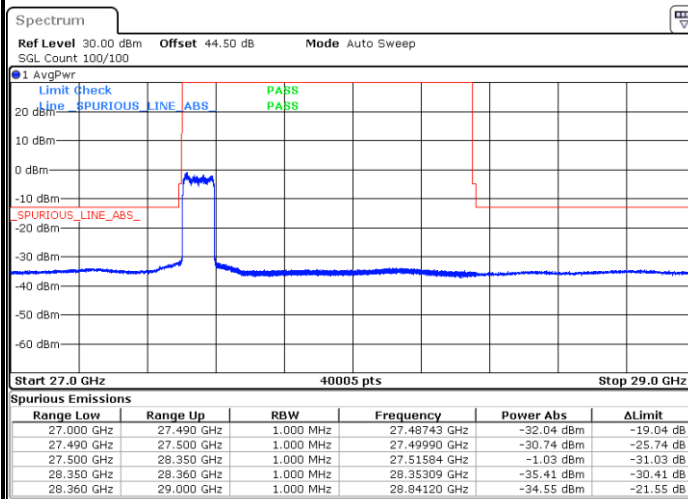


Highest Band Edge / Full RB

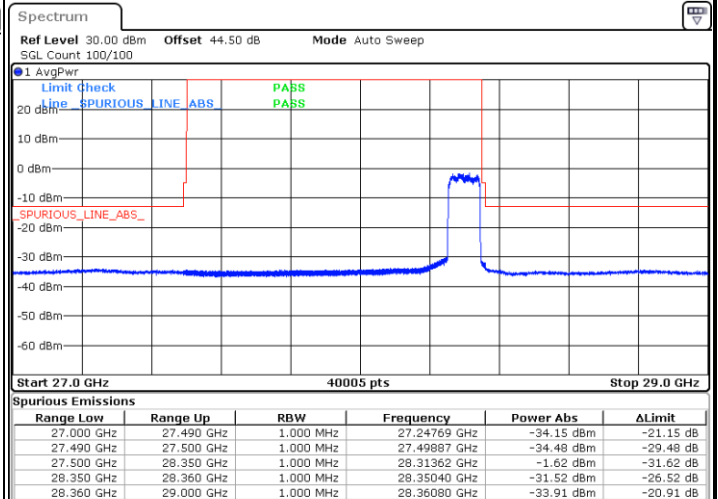


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

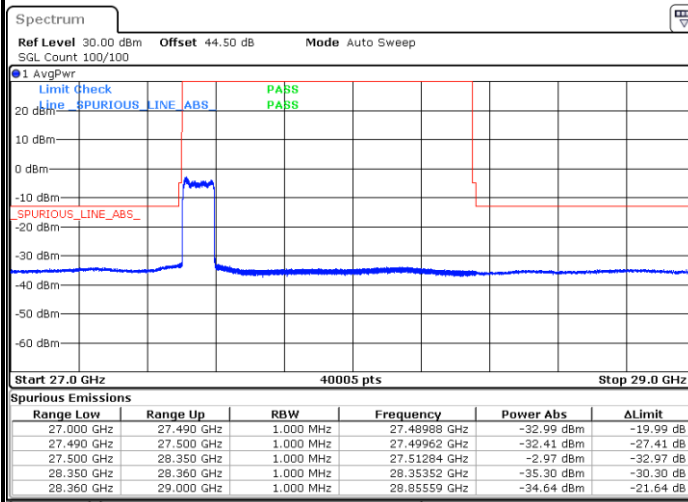




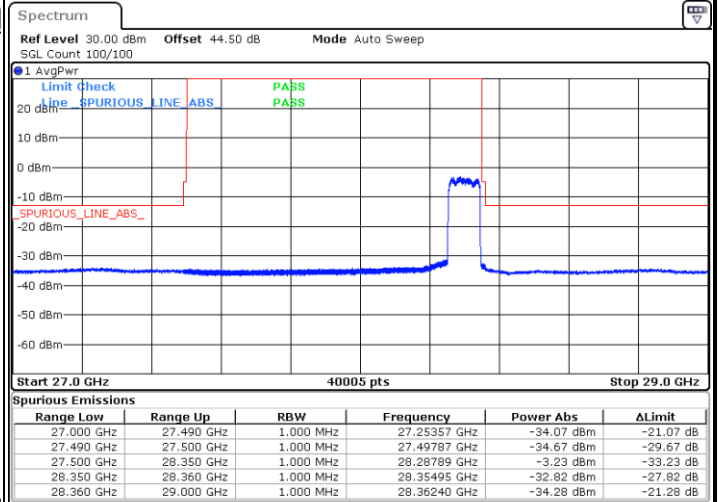
DFT-s-OFDM Module 1

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / Full RB

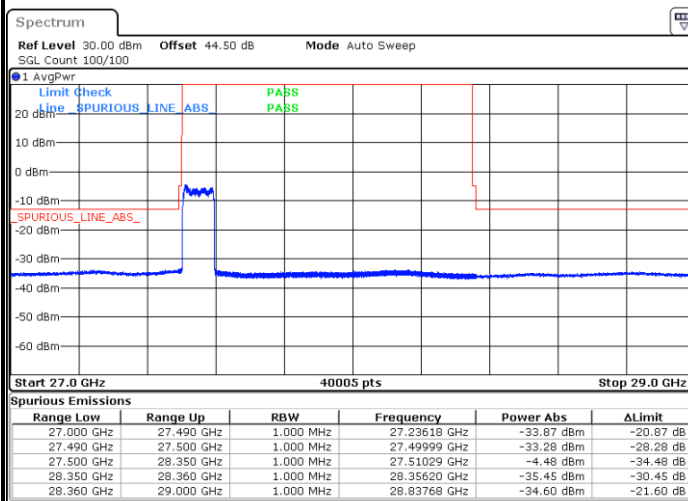


Highest Band Edge / Full RB

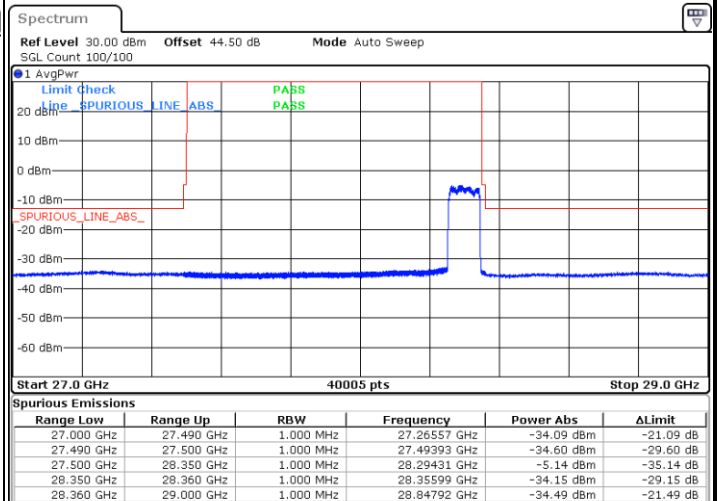


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

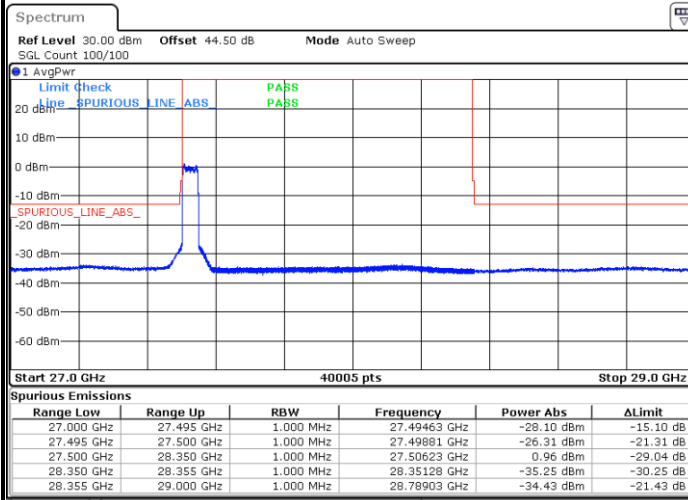




CP-OFDM Module 1

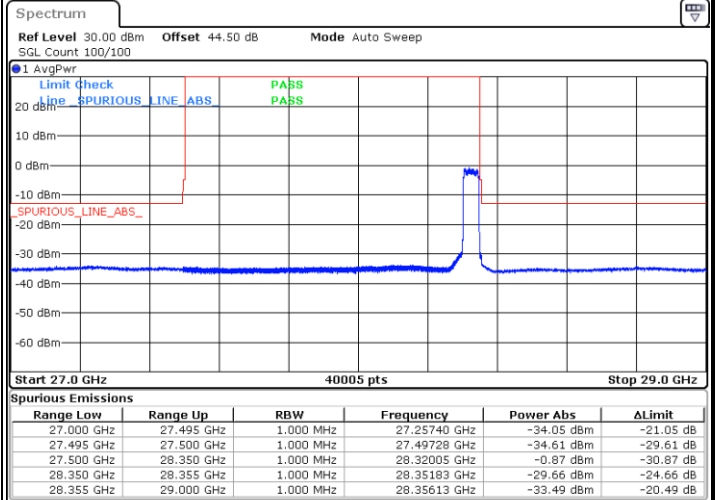
NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB



Date: 16.AUG.2020 17:19:24

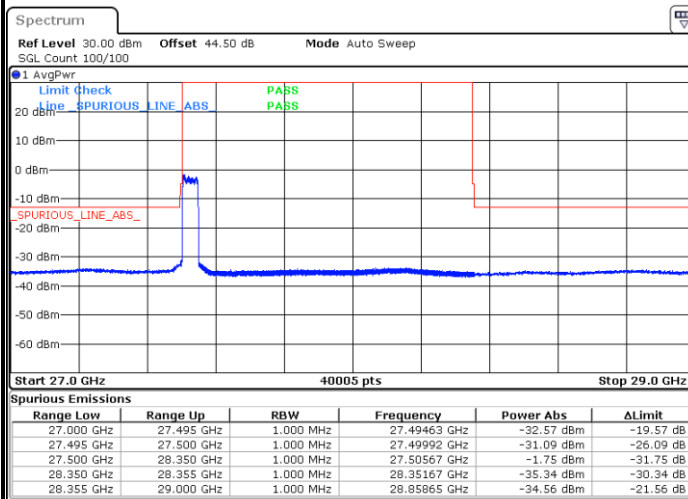
Highest Band Edge / Full RB



Date: 17.AUG.2020 19:39:31

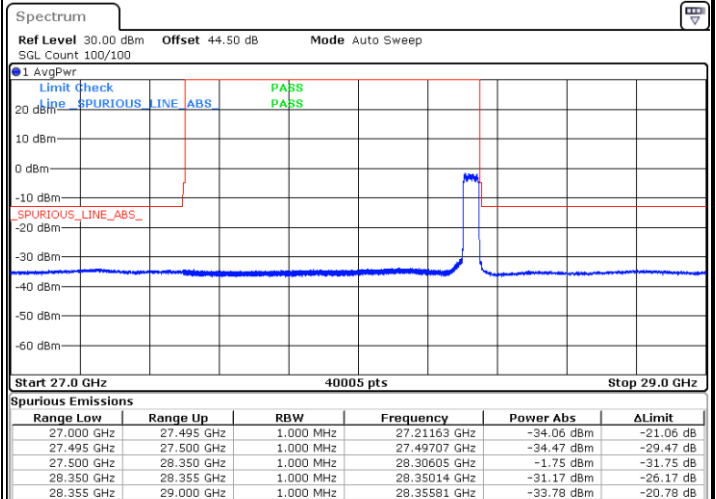
NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / Full RB



Date: 16.AUG.2020 17:03:22

Highest Band Edge / Full RB



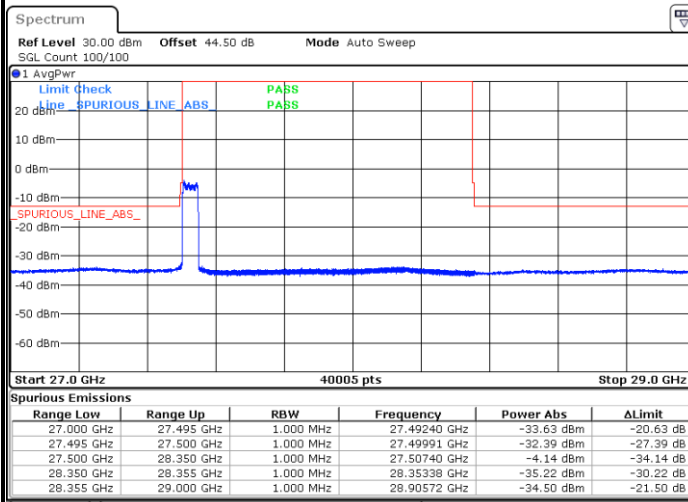
Date: 17.AUG.2020 19:37:22



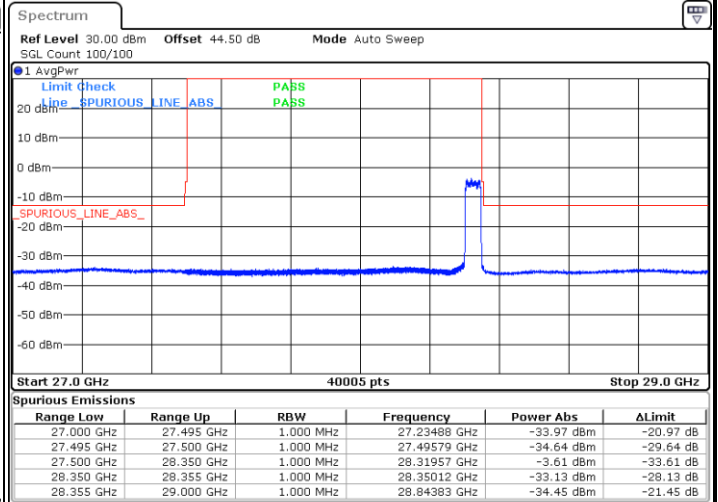
CP-OFDM Module 1

NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / Full RB

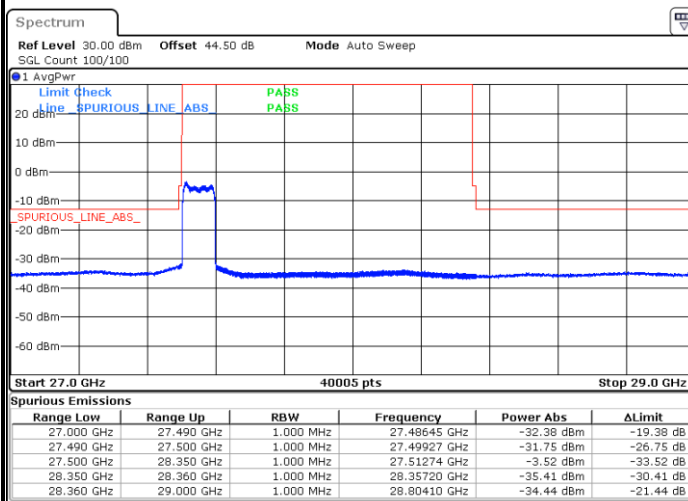


Highest Band Edge / Full RB

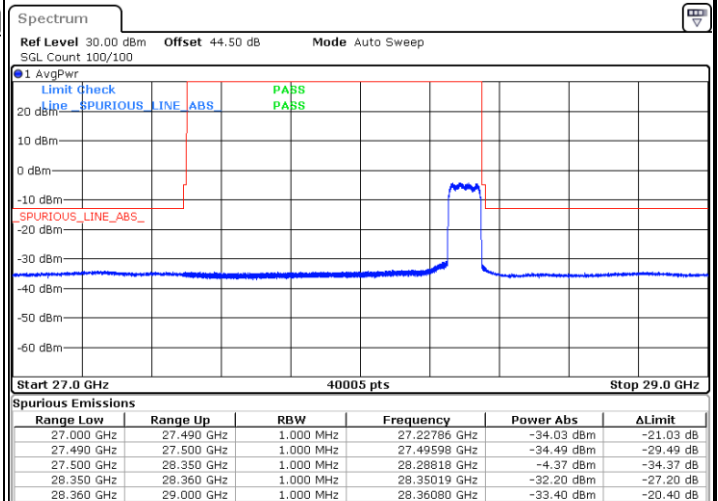


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

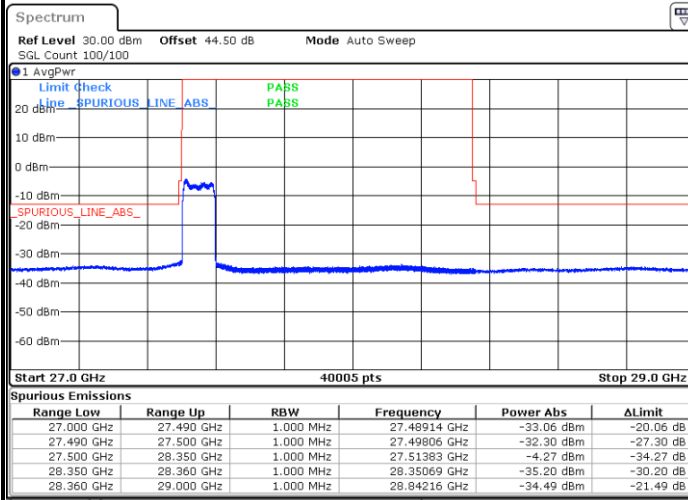




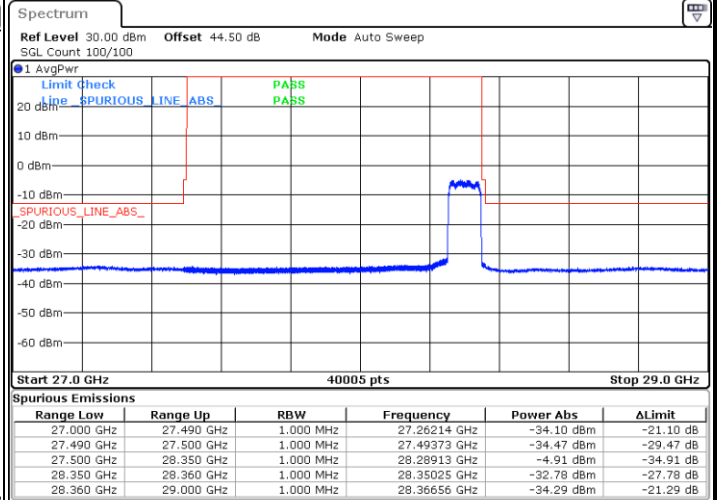
CP-OFDM Module 1

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / Full RB

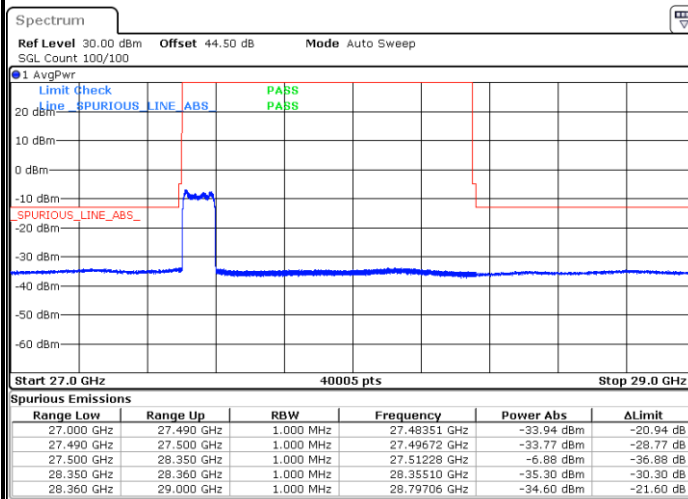


Highest Band Edge / Full RB

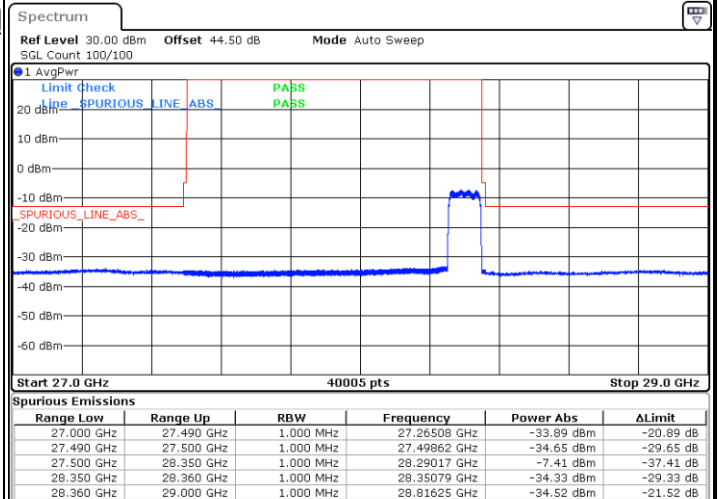


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / Full RB



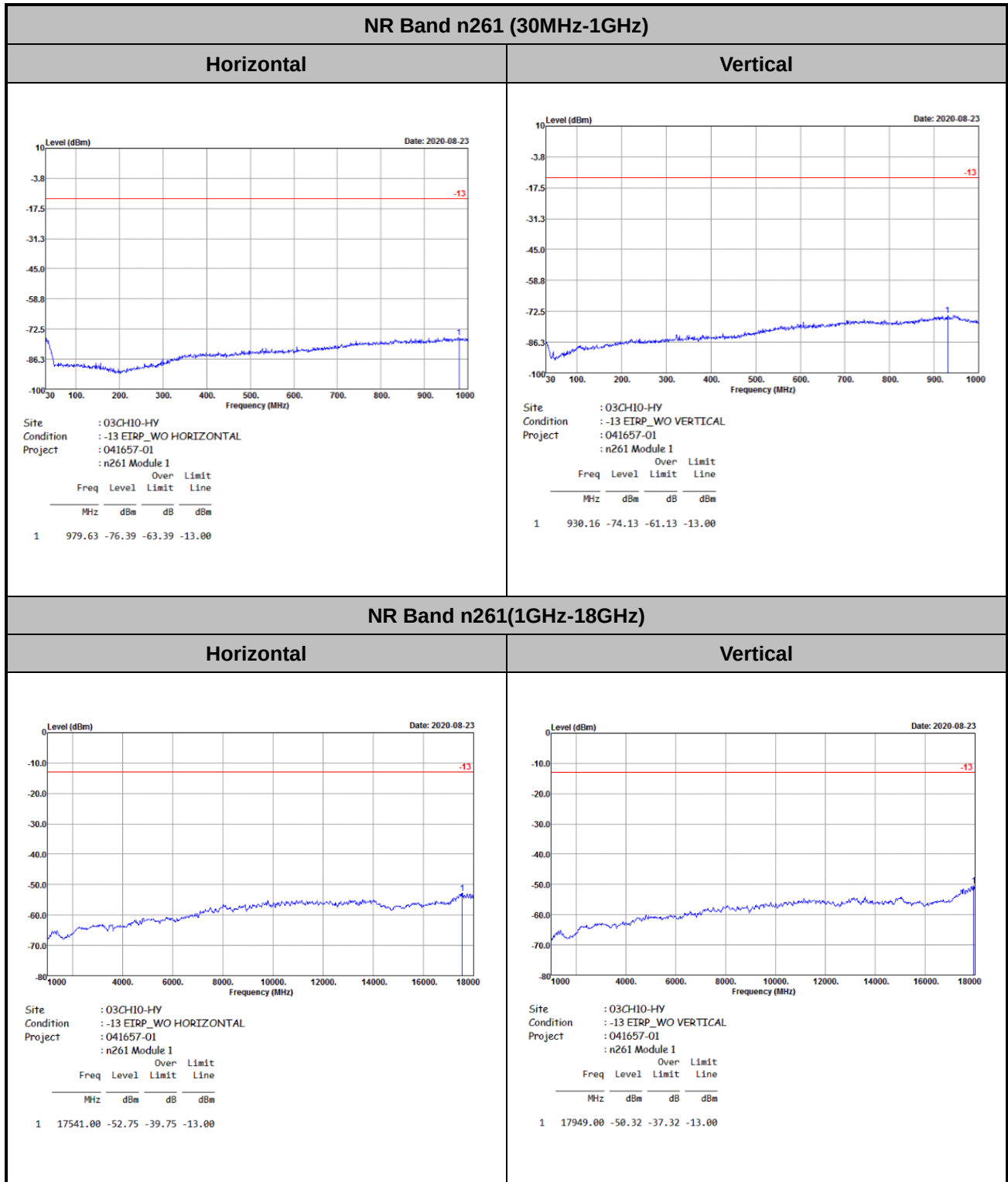
Highest Band Edge / Full RB



Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

Only the noise floor is reported.



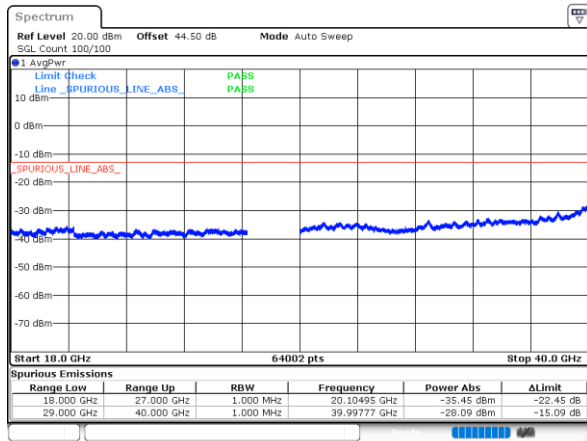


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

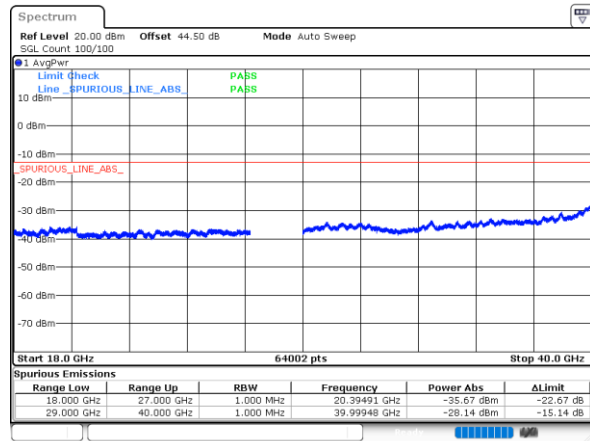
DFT-s-OFDM Module 1

NR Band n261BPSK (18-40GHz)

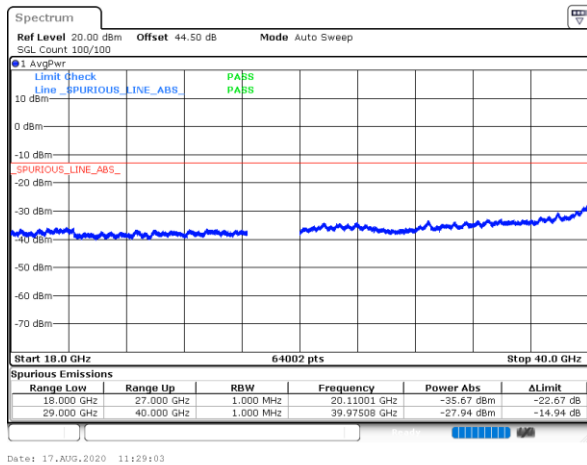
Lowest Channel / 50MHz



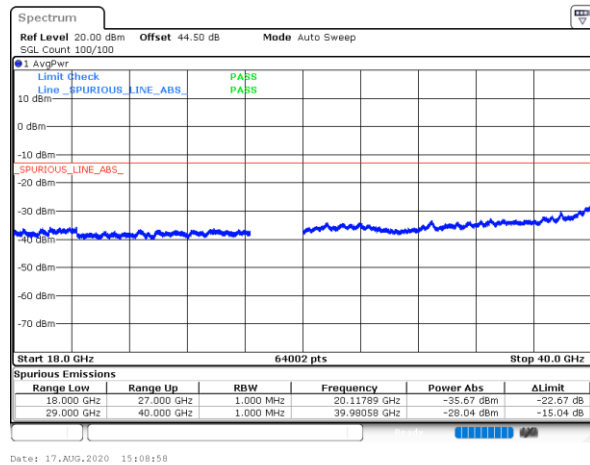
Lowest Channel / 100MHz



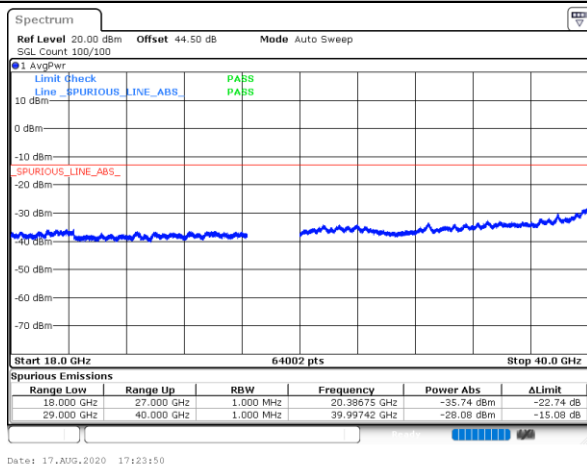
Middle Channel / 50MHz



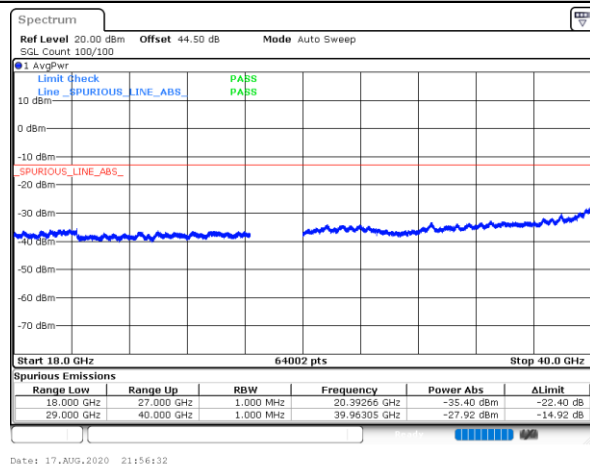
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

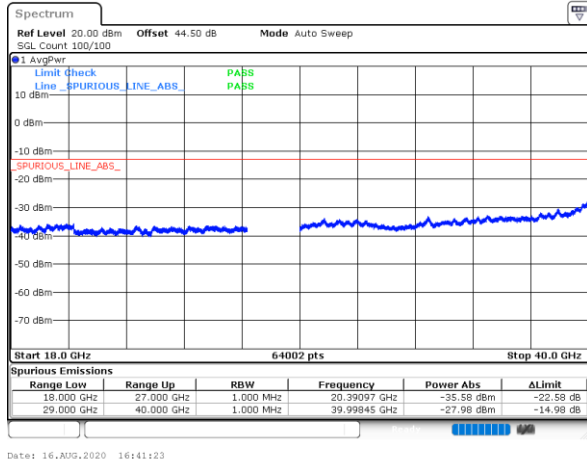




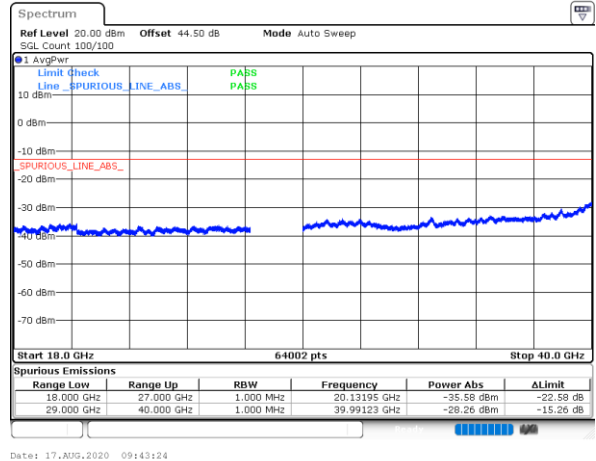
DFT-s-OFDM Module 1

NR Band n261QPSK (18-40GHz)

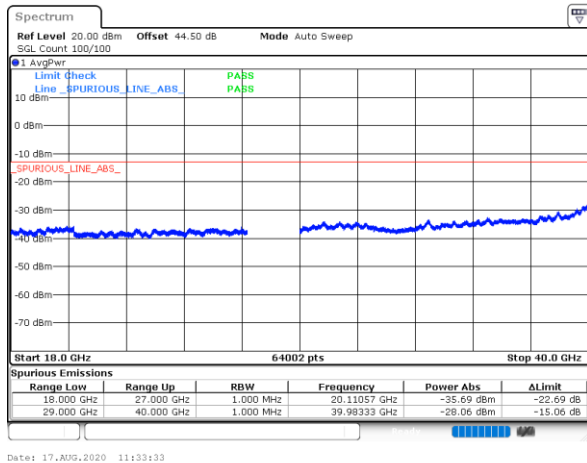
Lowest Channel / 50MHz



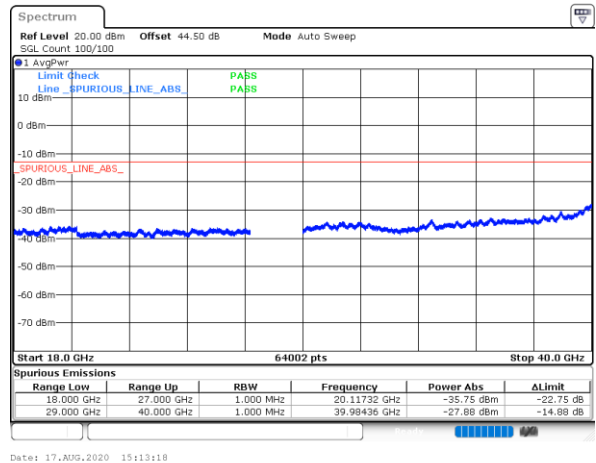
Lowest Channel / 100MHz



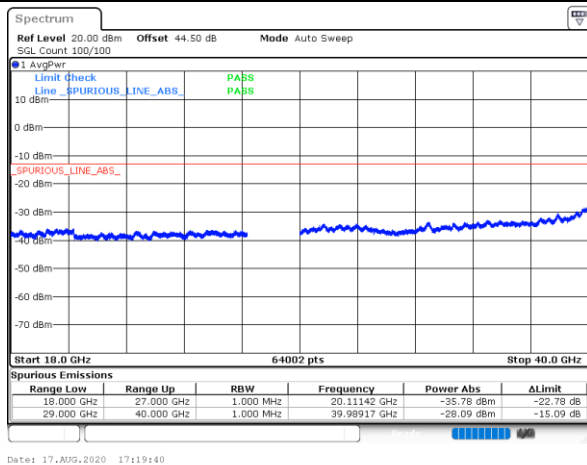
Middle Channel / 50MHz



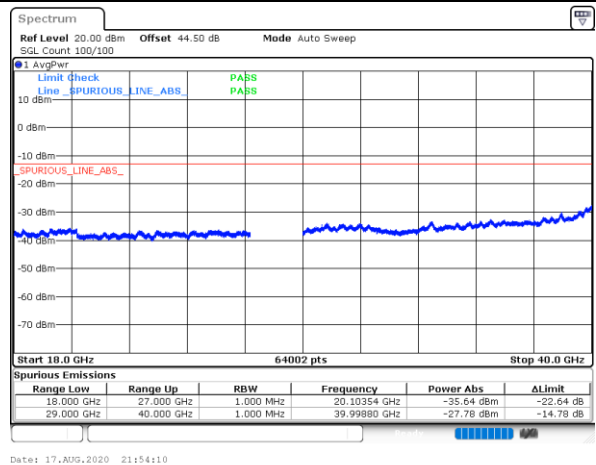
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

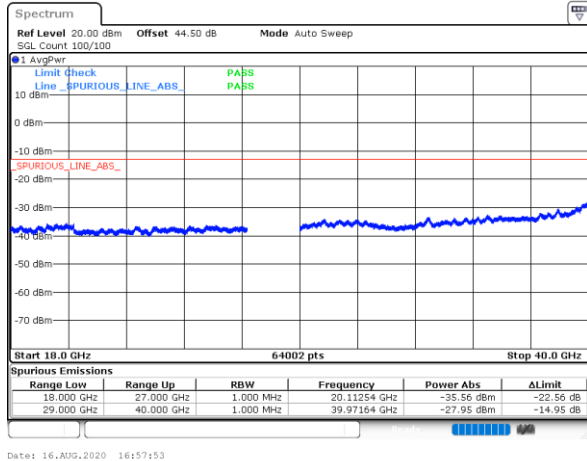




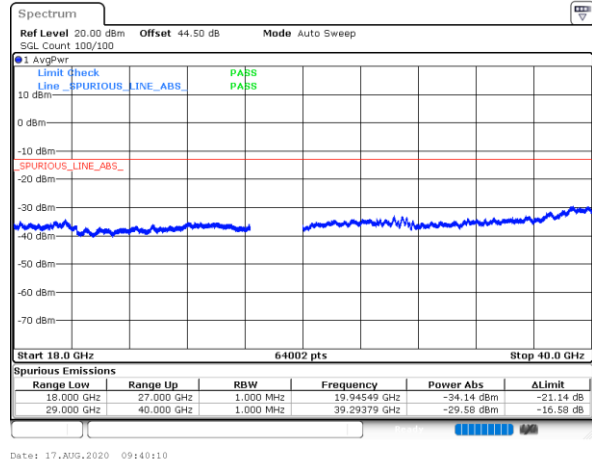
CP-OFDM Module 1

NR Band n261QPSK (18-40GHz)

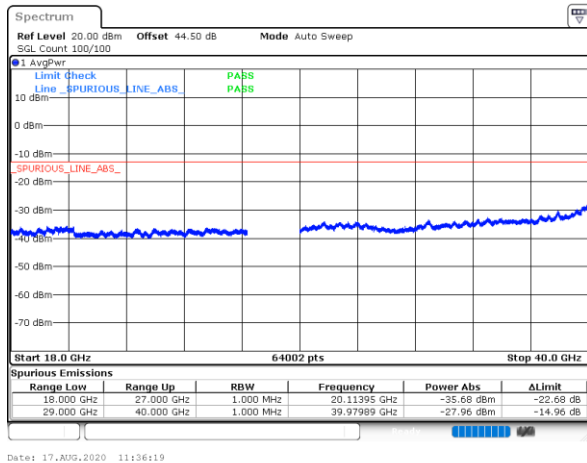
Lowest Channel / 50MHz



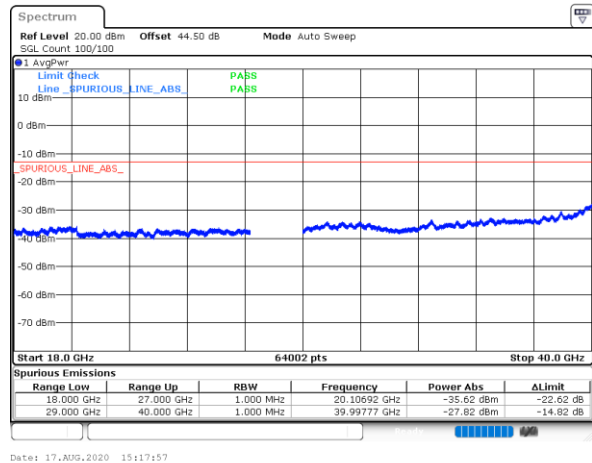
Lowest Channel / 100MHz



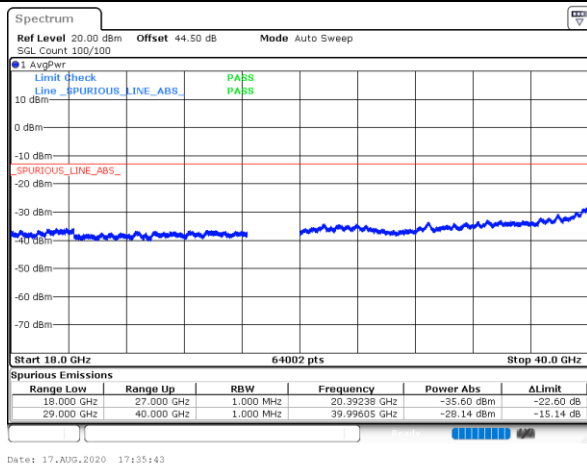
Middle Channel / 50MHz



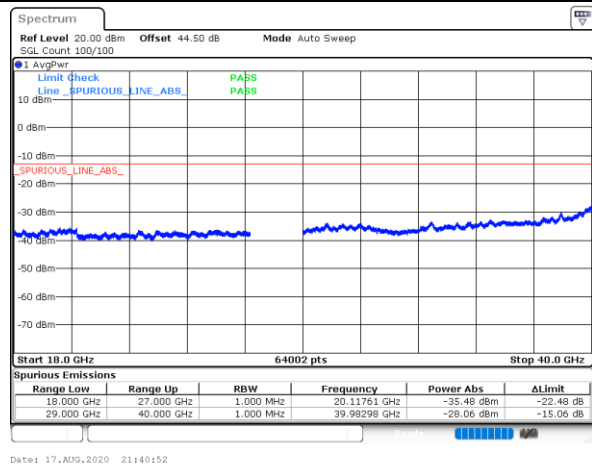
Middle Channel / 100MHz



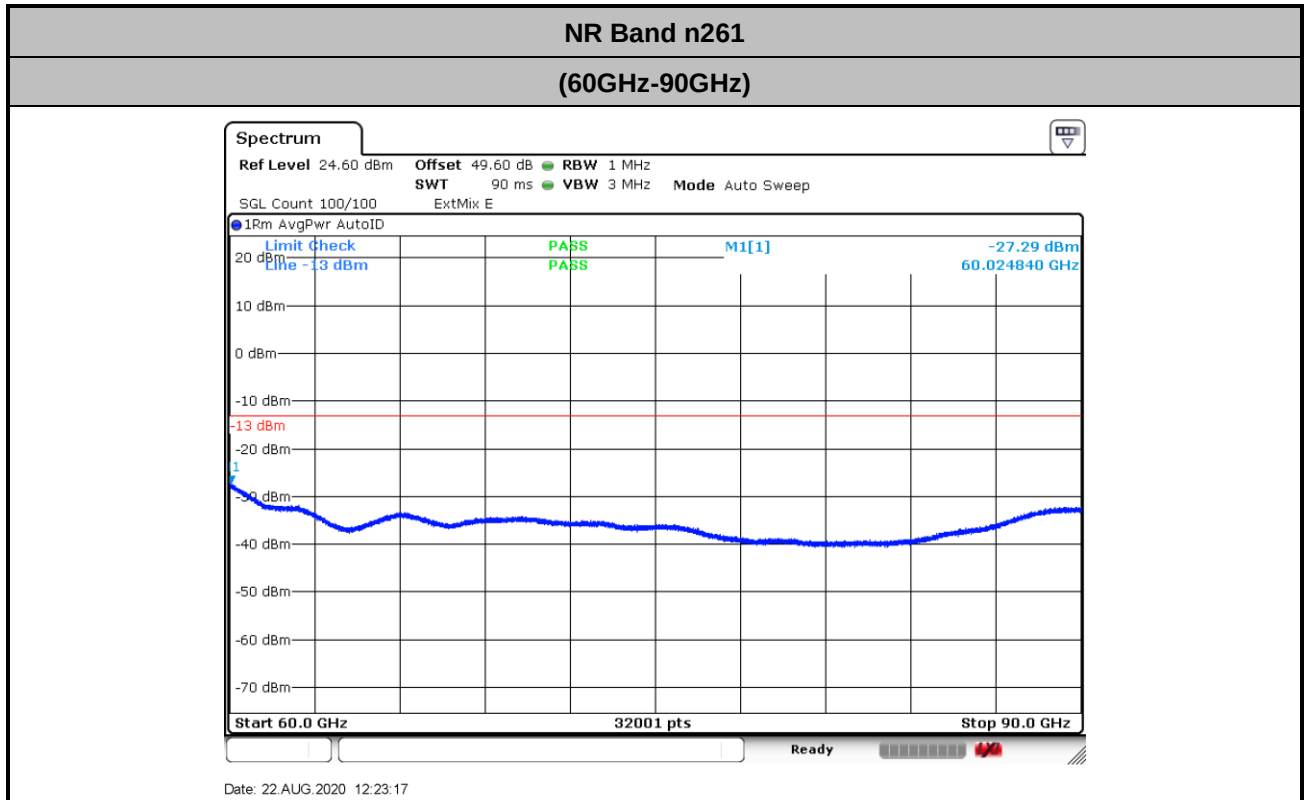
Highest Channel / 50MHz



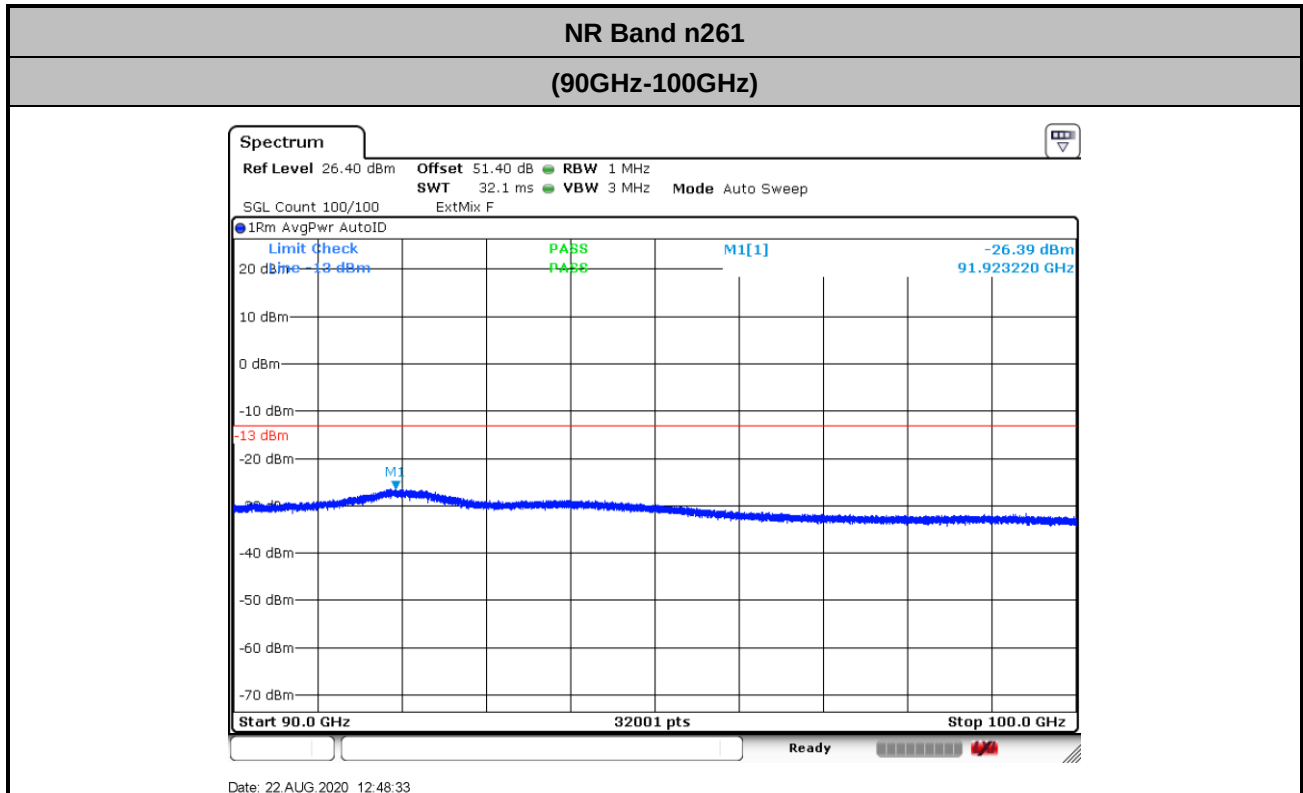
Highest Channel / 100MHz







$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}\end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 2 + 107 + 20\log(1) - 104.8 = 51.4 \text{ (dB)} \end{aligned}$$



NR Band n261 Module 1 AG0+1

Occupied Bandwidth

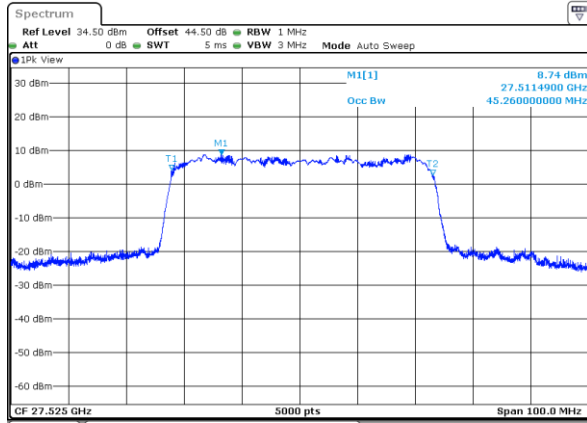
Mode	CP-OFDM Module 1 NR Band n261: 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.26	45.24	45.26	93.24	93.00	93.04
Middle CH	45.32	45.32	45.24	92.92	92.64	92.60
Highest CH	45.16	45.26	45.26	93.00	92.64	92.80



CP-OFDM Module 1

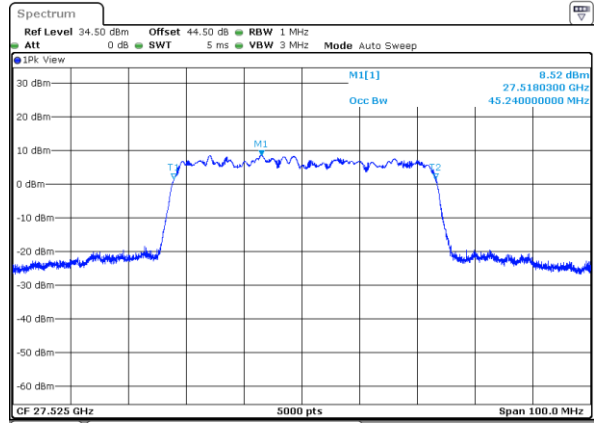
NR Band n261

Lowest Channel / 50MHz / QPSK



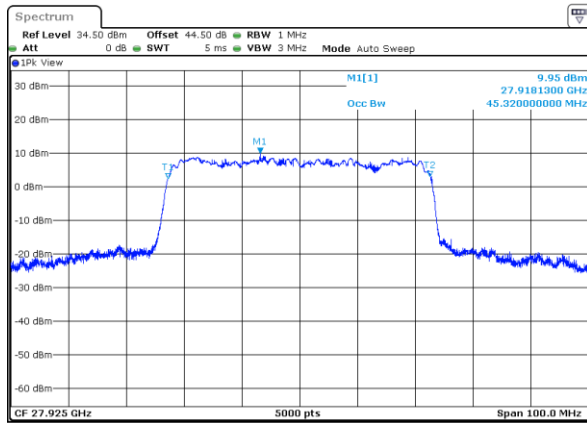
Date: 17.AUG.2020 23:17:21

Lowest Channel / 50MHz / 16QAM



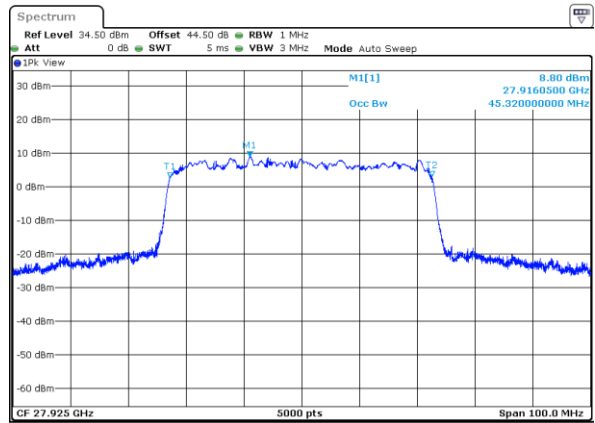
Date: 17.AUG.2020 23:21:08

Middle Channel / 50MHz / QPSK



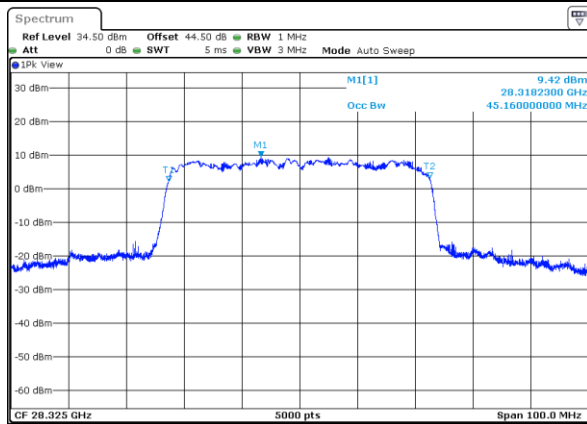
Date: 18.AUG.2020 01:28:48

Middle Channel / 50MHz / 16QAM



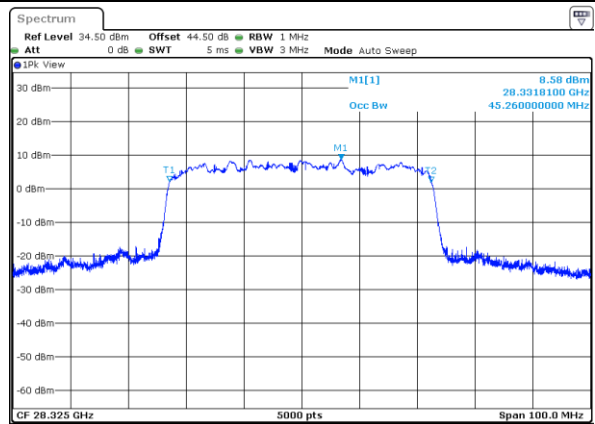
Date: 18.AUG.2020 01:29:21

Highest Channel / 50MHz / QPSK



Date: 18.AUG.2020 02:49:07

Highest Channel / 50MHz / 16QAM



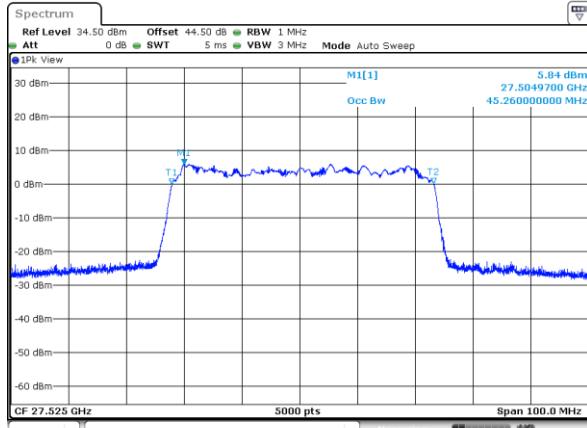
Date: 18.AUG.2020 02:50:11



CP-OFDM Module 1

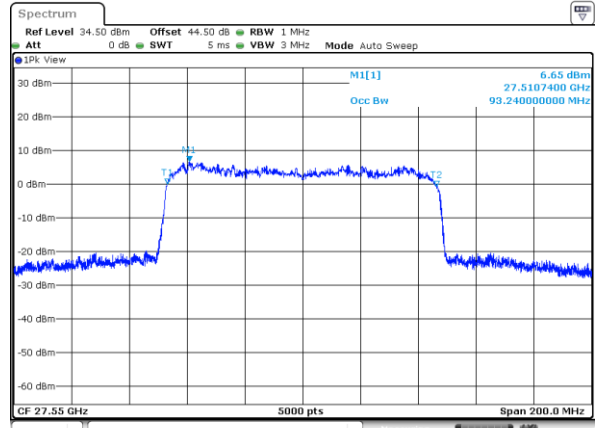
NR Band n261

Lowest Channel / 50MHz / 64QAM



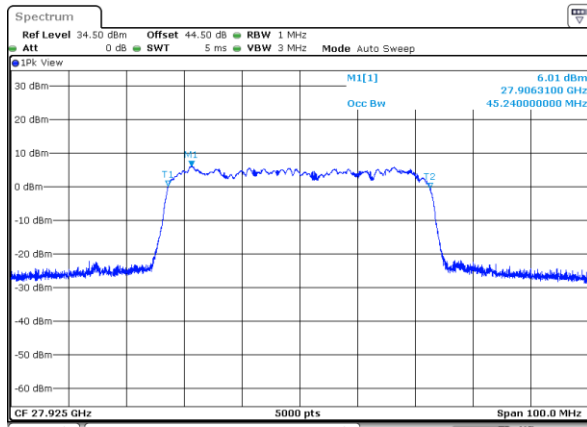
Date: 17.AUG.2020 23:22:54

Lowest Channel / 100MHz / QPSK



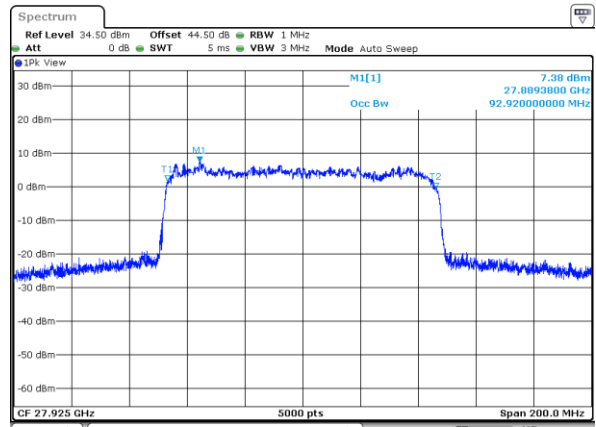
Date: 18.AUG.2020 00:25:04

Middle Channel / 50MHz / 64QAM



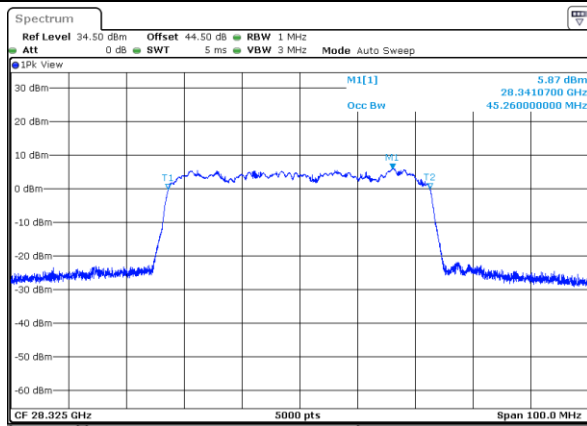
Date: 18.AUG.2020 01:38:00

Middle Channel / 100MHz / QPSK



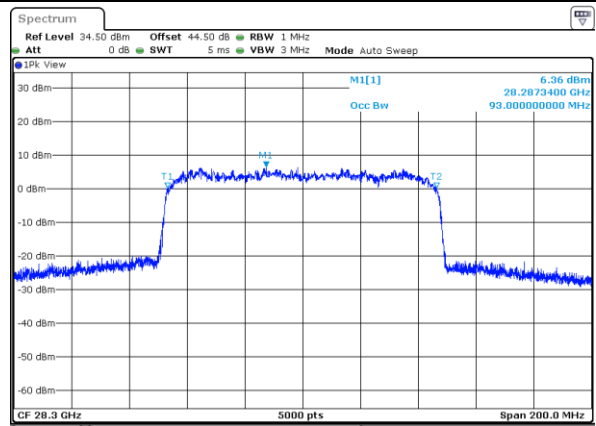
Date: 18.AUG.2020 02:12:43

Highest Channel / 50MHz / 64QAM



Date: 18.AUG.2020 02:51:14

Highest Channel / 100MHz / QPSK



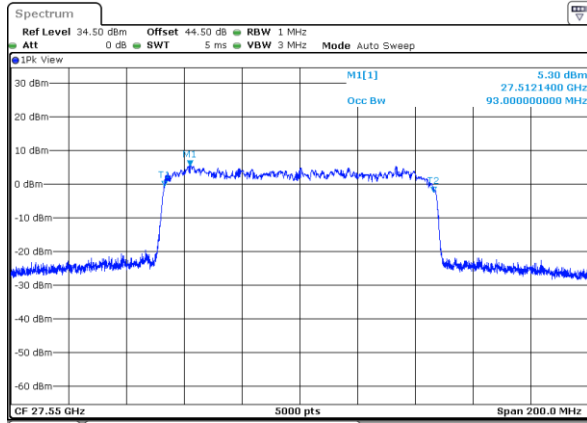
Date: 18.AUG.2020 03:03:42



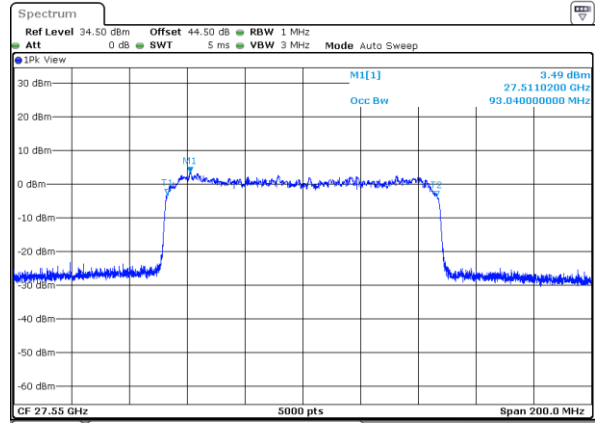
CP-OFDM Module 1

NR Band n261

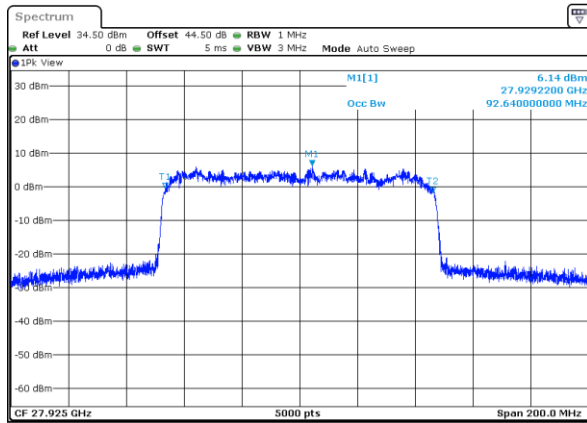
Lowest Channel / 100MHz / 16QAM



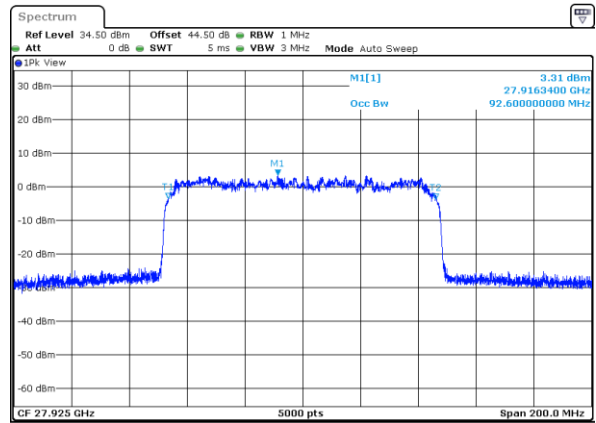
Lowest Channel / 100MHz / 64QAM



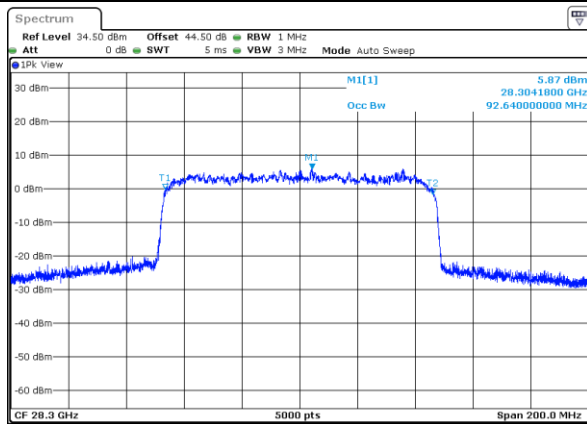
Middle Channel / 100MHz / 16QAM



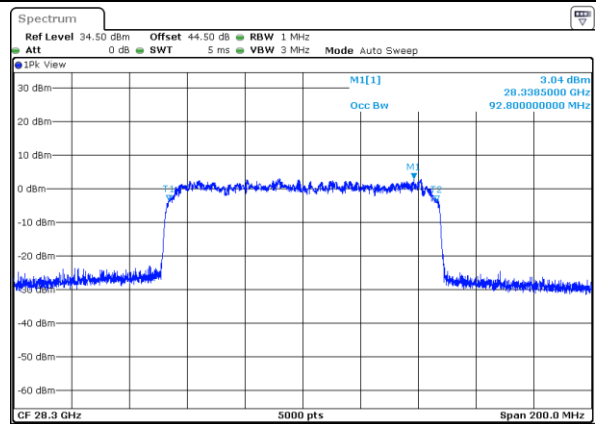
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM



Radiated Out of Band Emissions

Mode			CP-OFDM Module 1 NR Band n261: BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-28.87	-34.49	-28.87	-22.93	-22.93	-24.07
	>10%OB	≤ -13	-33.78	-34.03	-33.78	-32.52	-32.52	-33.55
High CH	0~10%OB	≤ -5	-23.2	-24.93	-26.42	-25.32	-27.14	-27.58
	>10%OB	≤ -13	-34.12	-34.48	-34.29	-34.44	-34.43	-34.35
Result			Compliance					

Mode			CP-OFDM Module 1 NR Band n261: BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-28.87	-29.88	-32.08	-28.87	-30.02	-32.38
	>10%OB	≤ -13	-33.78	-30.91	-33.27	-30.12	-31.37	-33.23
High CH	0~10%OB	≤ -5	-27.06	-28.44	-32.01	-30.13	-31.15	-33.57
	>10%OB	≤ -13	-31.51	-32.7	-34.43	-33.5	-34.24	-34.43
Result			Compliance					