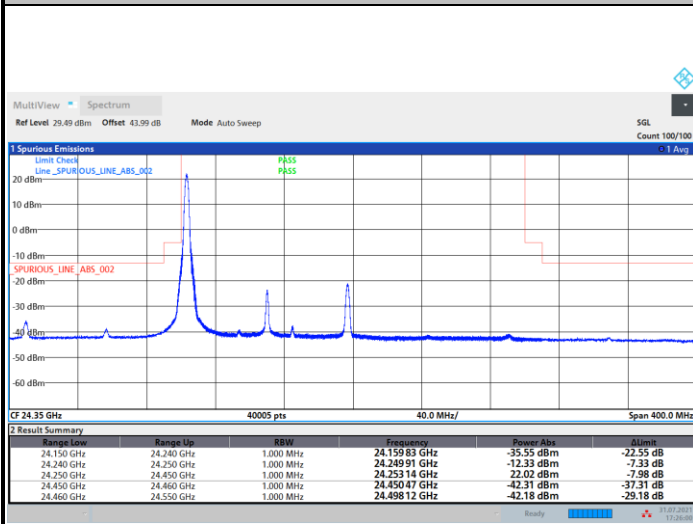




DFT-s-OFDM Module B

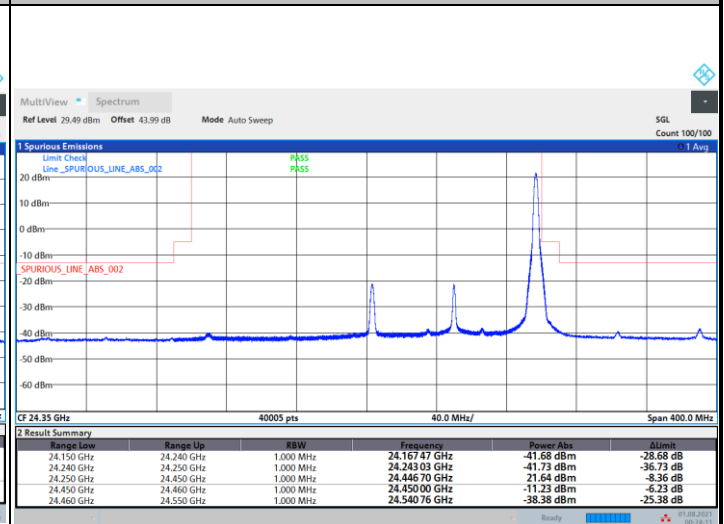
NR Band n258A / 100MHz / QPSK

Lowest Band Edge / 1 RB



17:26:01 31.07.2021

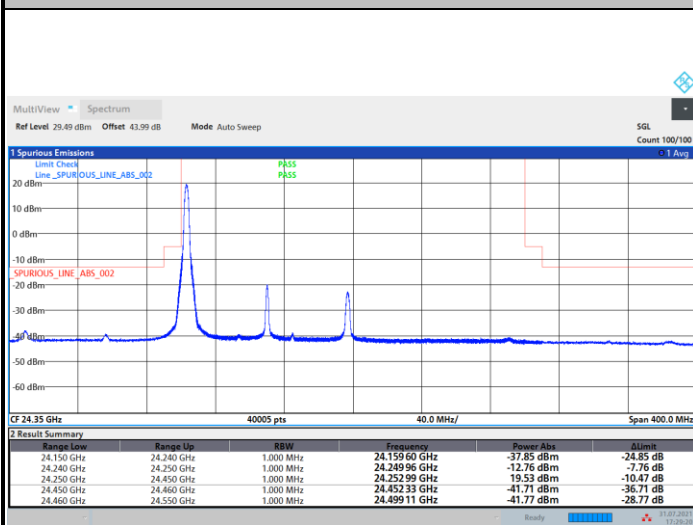
Highest Band Edge / 1 RB



00:24:11 01.08.2021

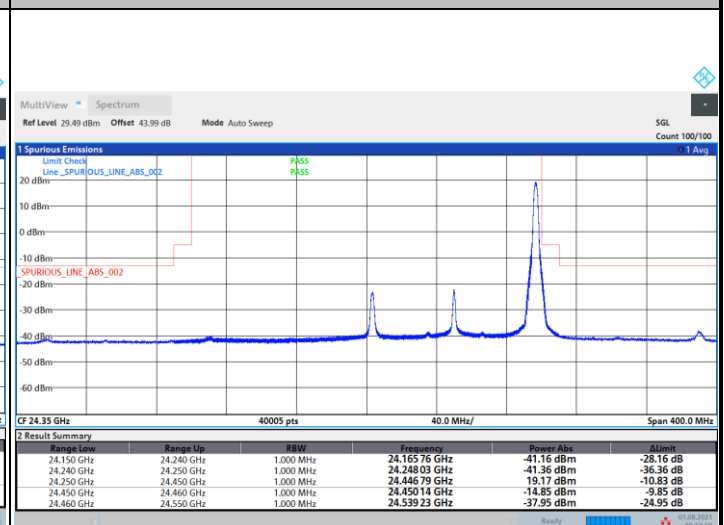
NR Band n258A / 100MHz / 16QAM

Lowest Band Edge / 1 RB



17:29:20 31.07.2021

Highest Band Edge / 1 RB



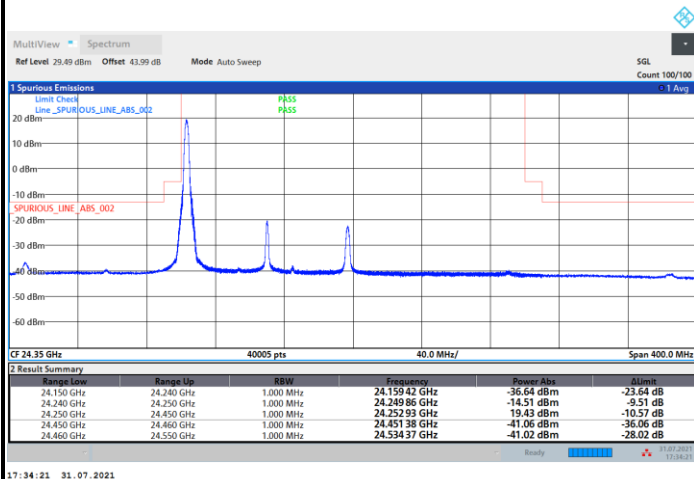
00:25:00 01.08.2021



DFT-s-OFDM Module B

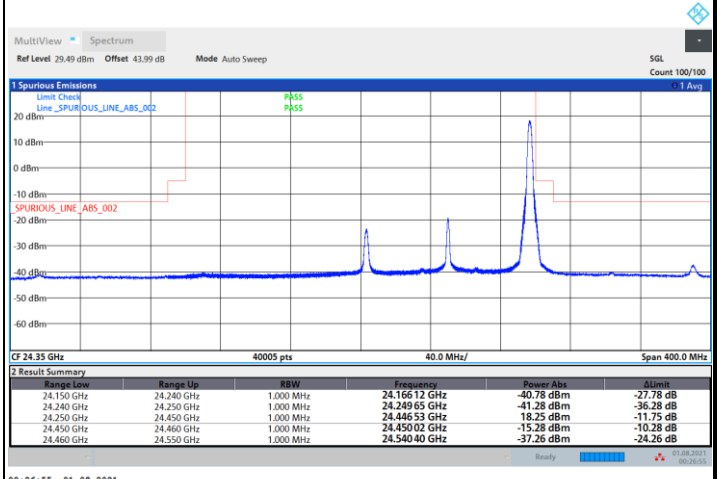
NR Band n258A / 100MHz / 64QAM

Lowest Band Edge / 1 RB



17:34:21 31.07.2021

Highest Band Edge / 1 RB

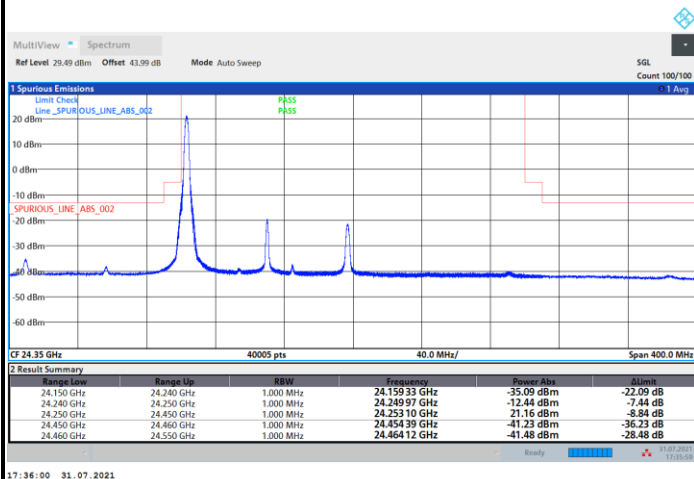


00:26:55 01.08.2021

CP-OFDM Module B

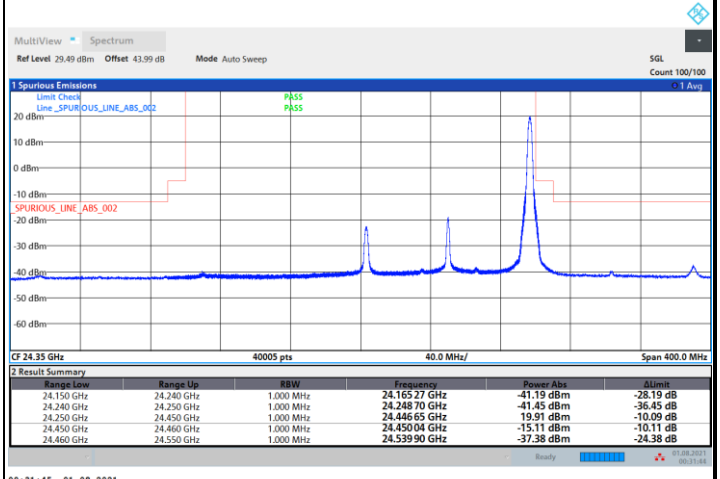
NR Band n258A / 100MHz / QPSK

Lowest Band Edge / 1 RB



17:36:00 31.07.2021

Highest Band Edge / 1 RB



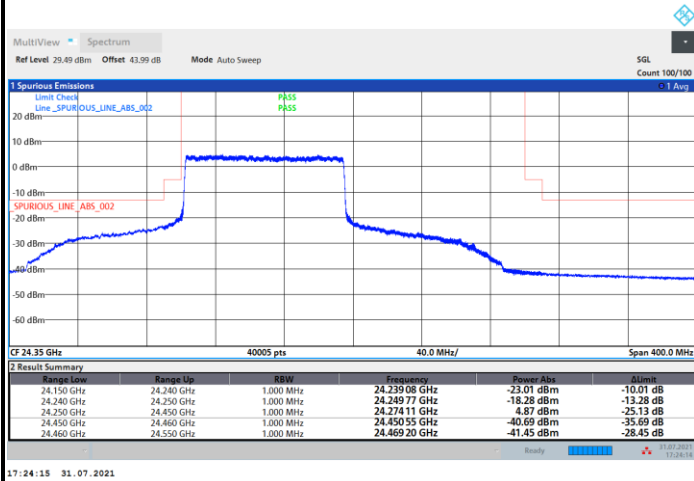
00:31:45 01.08.2021



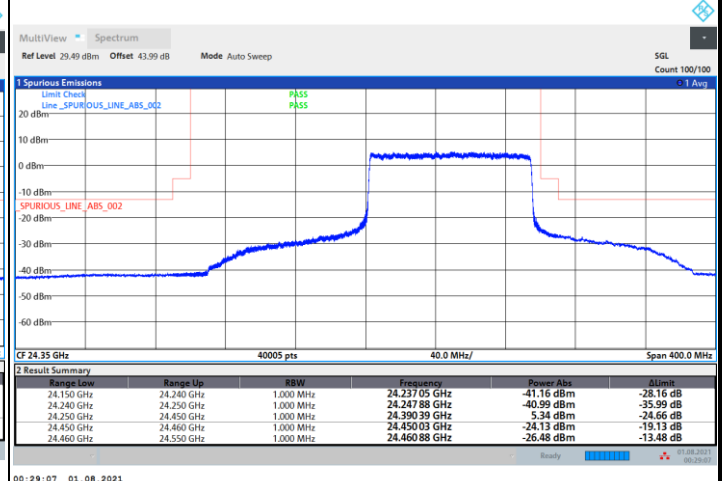
DFT-s-OFDM Module B

NR Band n258A / 100MHz / QPSK

Lowest Band Edge / Full RB

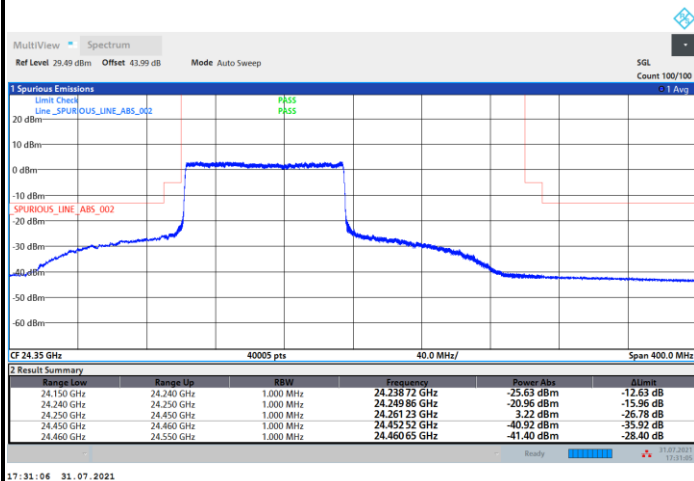


Highest Band Edge / Full RB

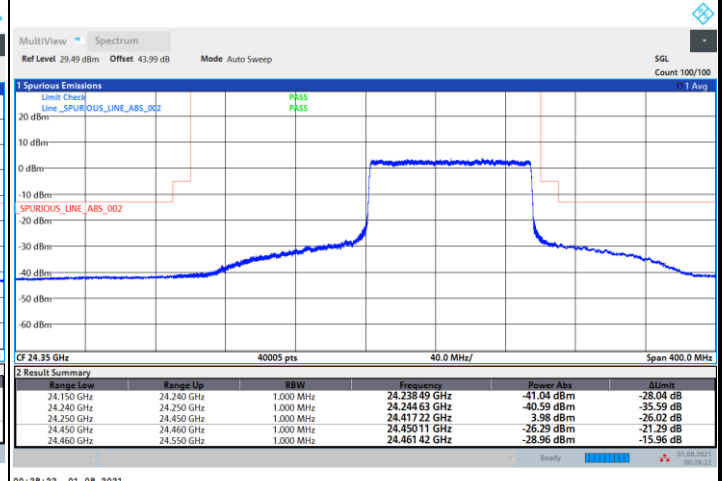


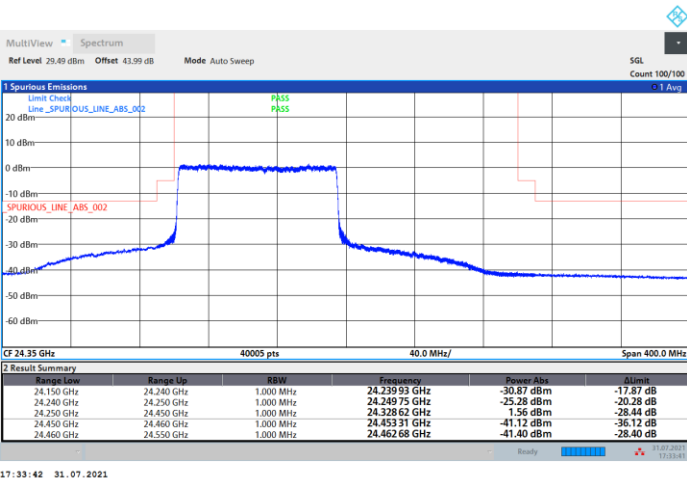
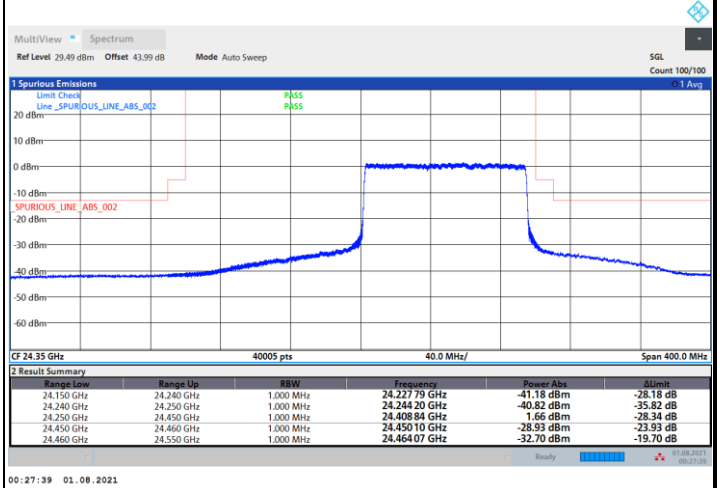
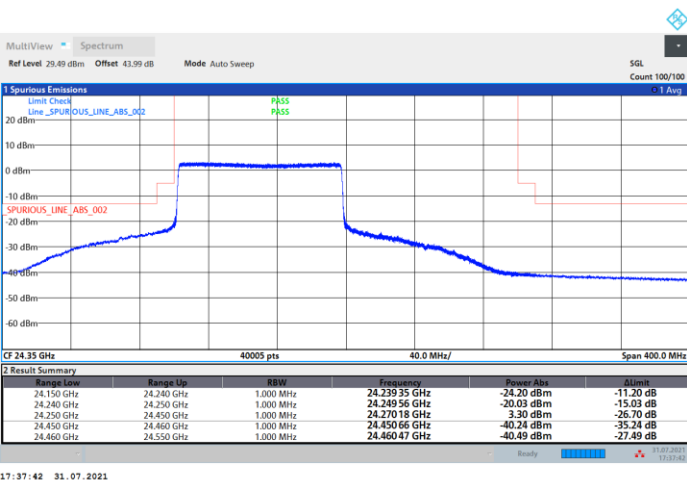
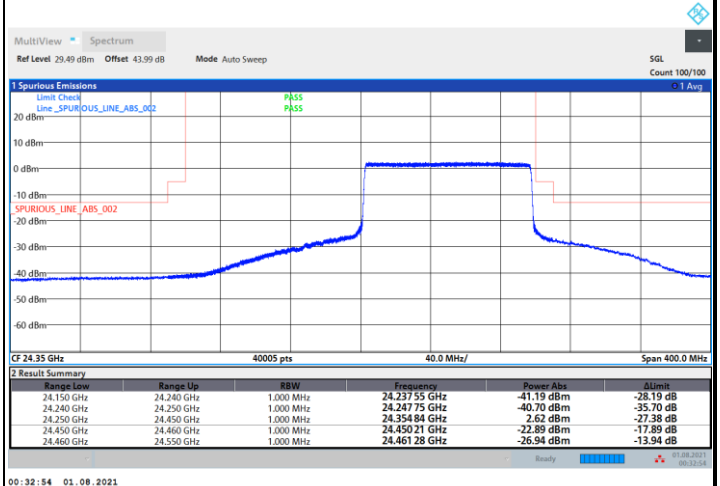
NR Band n258A / 100MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



**DFT-s-OFDM Module B****NR Band n258A / 100MHz / 64QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****CP-OFDM Module B****NR Band n258A / 100MHz / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low Edge	0~10%OB	≤-5	-17.02	-15.99	-17.74
	>10%OB	≤-13	-18.85	-17.01	-20.67
High Edge	0~10%OB	≤-5	-15.36	-15.20	-22.11
	>10%OB	≤-13	-17.69	-19.48	-24.84
Result			Compliance		

Mode			CP-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK		
Low Edge	0~10%OB	≤-5	-13.79		
	>10%OB	≤-13	-14.58		
High Edge	0~10%OB	≤-5	-14.17		
	>10%OB	≤-13	-17.46		
Result			Compliance		

Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low Edge	0~10%OB	≤-5	-22.75	-26.09	-29.63
	>10%OB	≤-13	-27.15	-29.65	-32.11
High Edge	0~10%OB	≤-5	-25.58	-29.42	-31.59
	>10%OB	≤-13	-27.13	-30.41	-32.74
Result			Compliance		

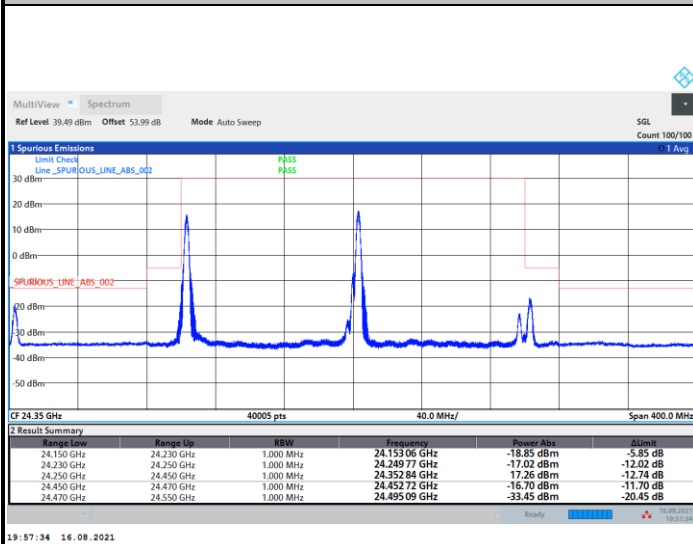
Mode			CP-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK		
Low Edge	0~10%OB	≤-5	-22.36		
	>10%OB	≤-13	-26.09		
High Edge	0~10%OB	≤-5	-22.85		
	>10%OB	≤-13	-24.78		
Result			Compliance		



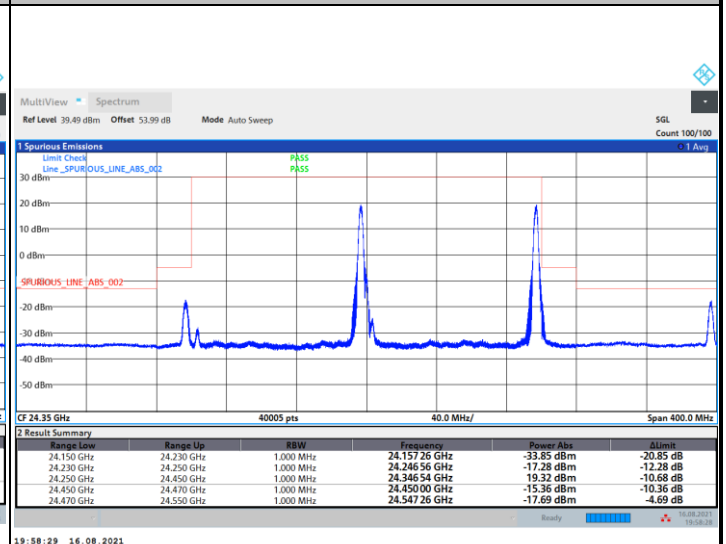
DFT-s-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / 1 RB

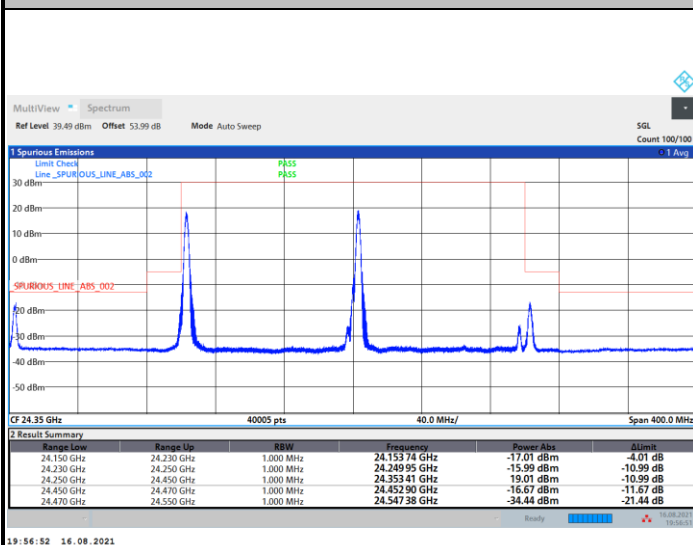


Highest Band Edge / 1 RB

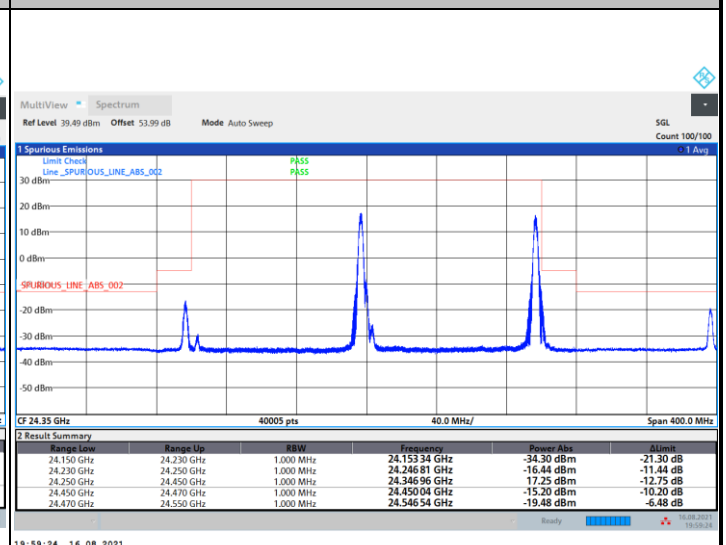


NR Band n258A / 200MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

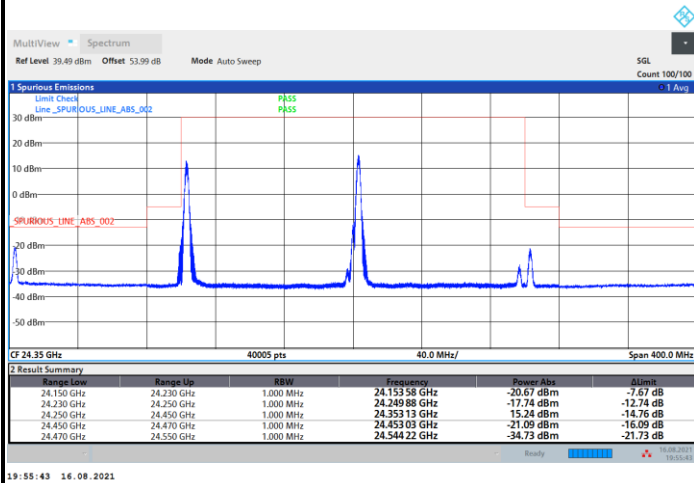




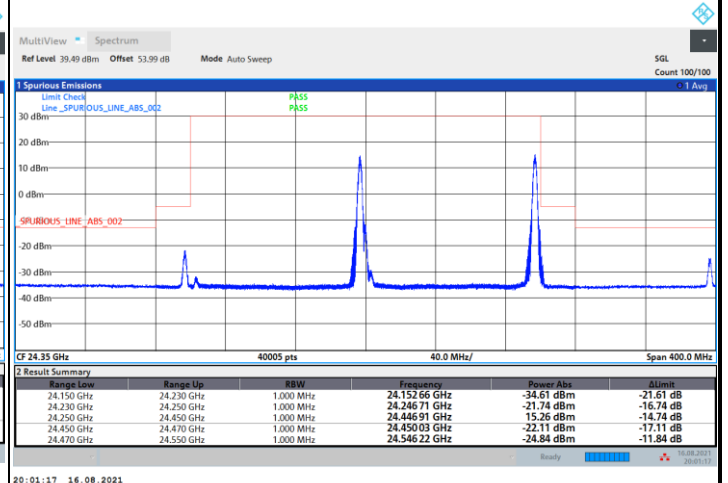
DFT-s-OFDM Module B

NR Band n258A / 200MHz / 64QAM

Lowest Band Edge / 1 RB



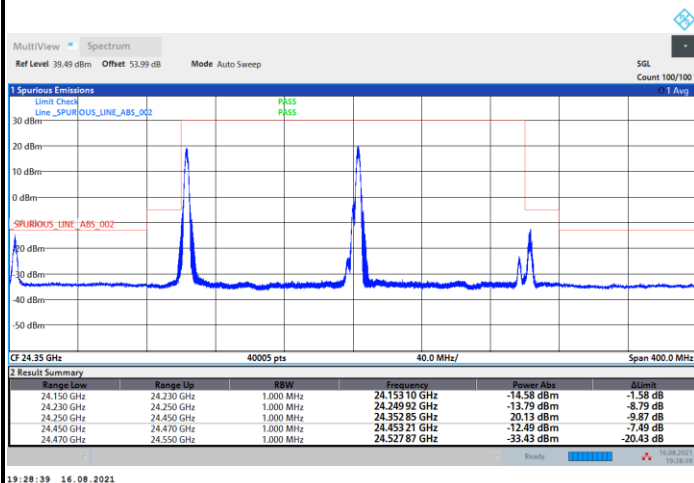
Highest Band Edge / 1 RB



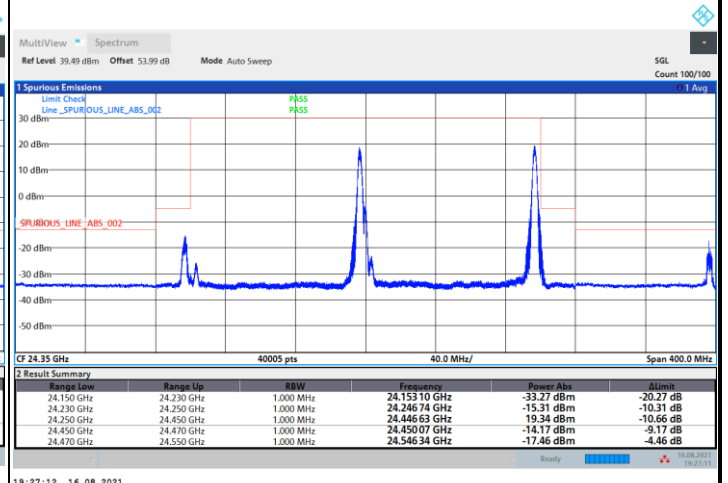
CP-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



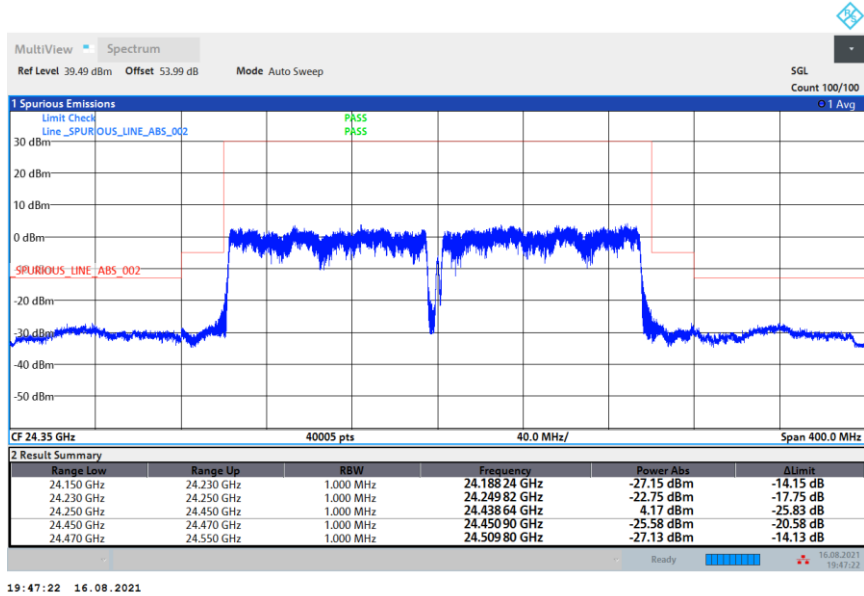


DFT-s-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / Full RB

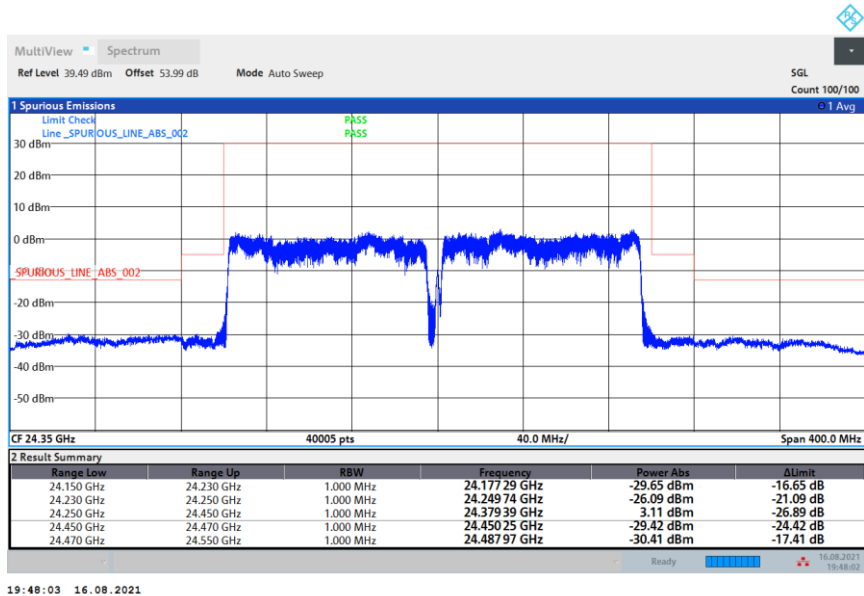
Highest Band Edge / Full RB

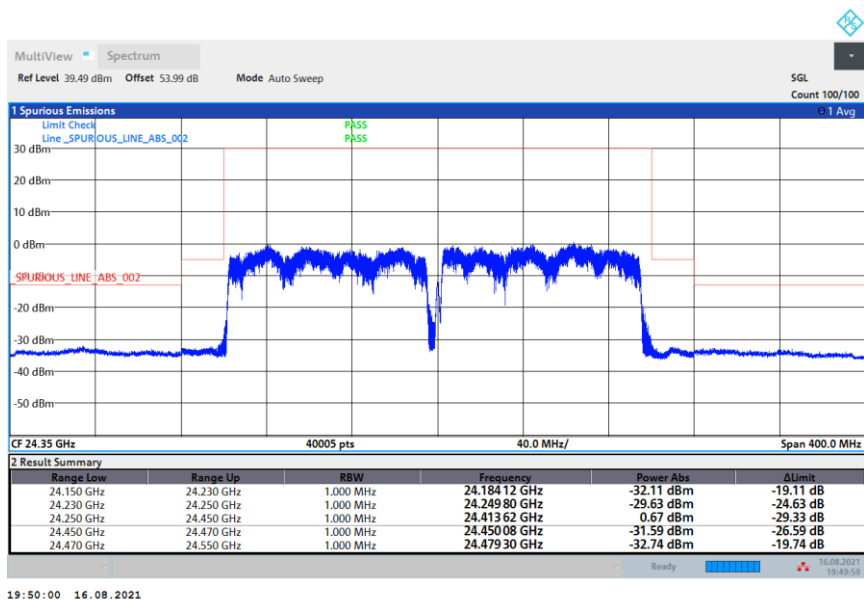
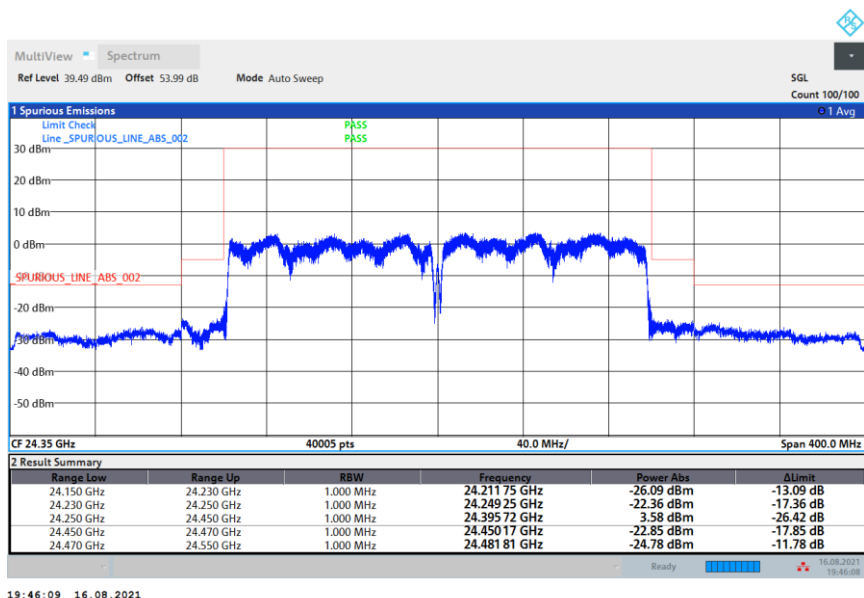


NR Band n258A / 200MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



**DFT-s-OFDM Module B****NR Band n258A / 200MHz / 64QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****CP-OFDM Module B****NR Band n258A / 200MHz / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

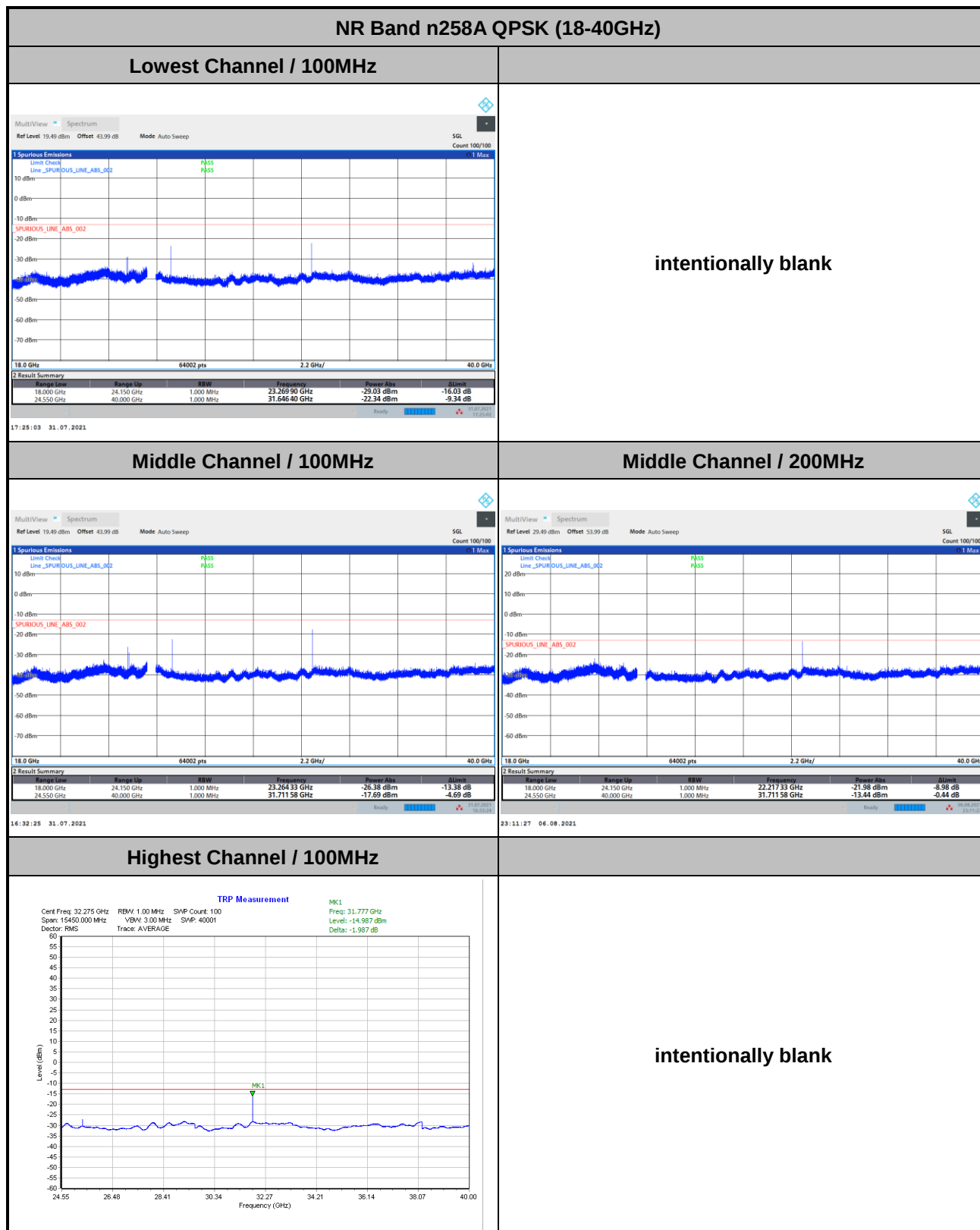


Spurious Emission



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

DFT-s-OFDM Module B



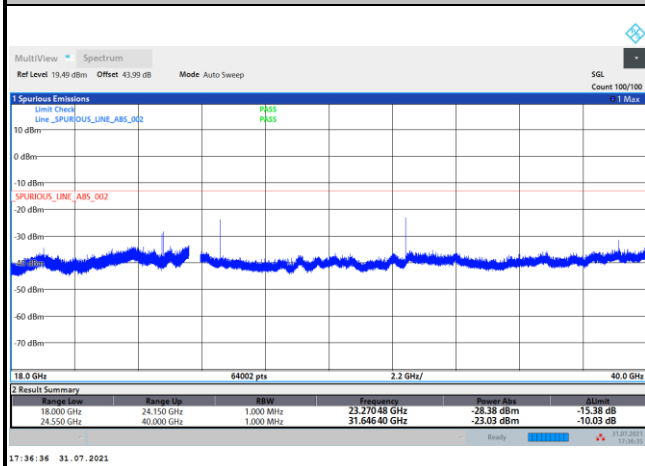
Remark: In band and out of band frequencies that has reported in previous results are omitted.



CP-OFDM Module B

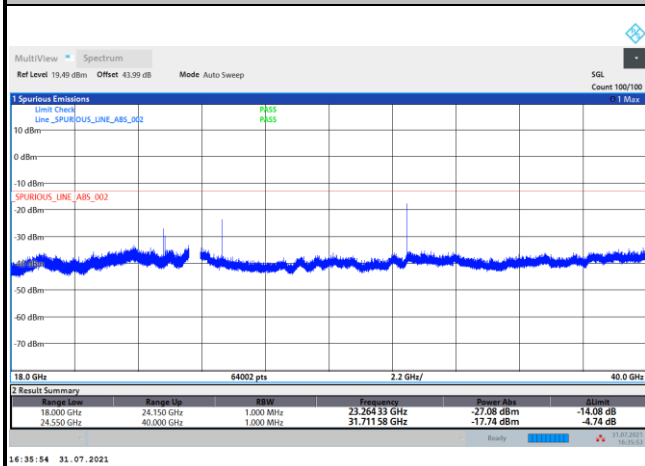
NR Band n258A QPSK (18-40GHz)

Lowest Channel / 100MHz

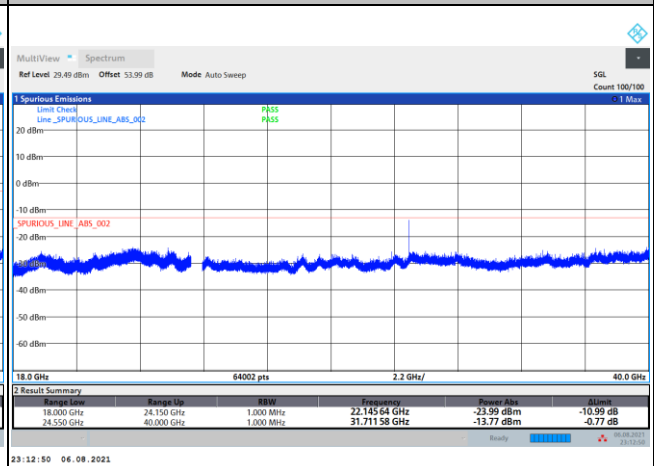


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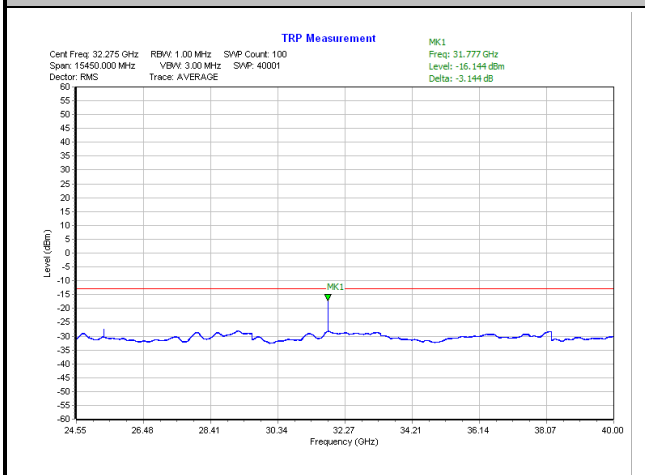
Middle Channel / 100MHz



Middle Channel / 200MHz



Highest Channel / 100MHz



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Remark: In band and out of band frequencies that has reported in previous results are omitted.

NR Band n258A Module B Beam H+V

Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n258A : 99%OBW(MHz)					
BW	100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	91.63	91.70	91.75	-	-	-
Middle CH	91.60	91.59	91.41	190.33	190.45	190.27
Highest CH	91.72	91.77	91.50	-	-	-

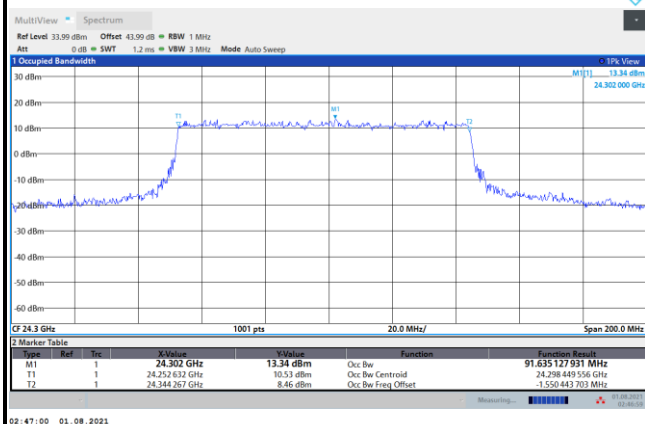
Mode	CP-OFDM Module B NR Band n258A : 99%OBW(MHz)	
BW	100MHz	200MHz
Mod.	QPSK	QPSK
Lowest CH	94.62	-
Middle CH	94.48	192.93
Highest CH	94.67	-



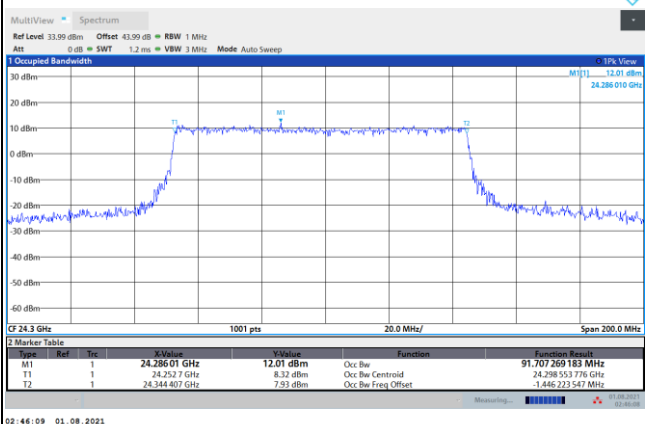
DFT-s-OFDM Module B

NR Band n258A

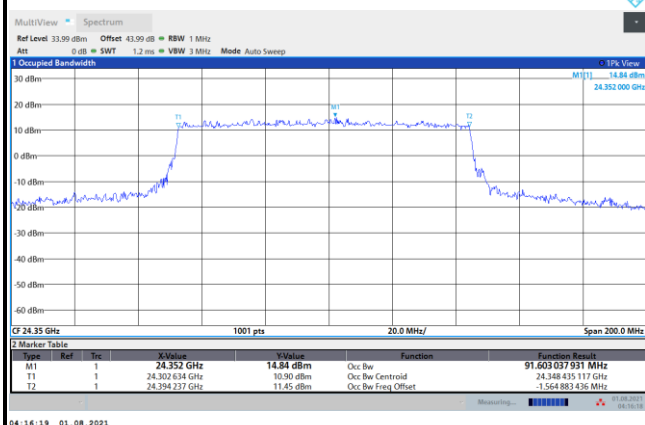
Lowest Channel / 100MHz / QPSK



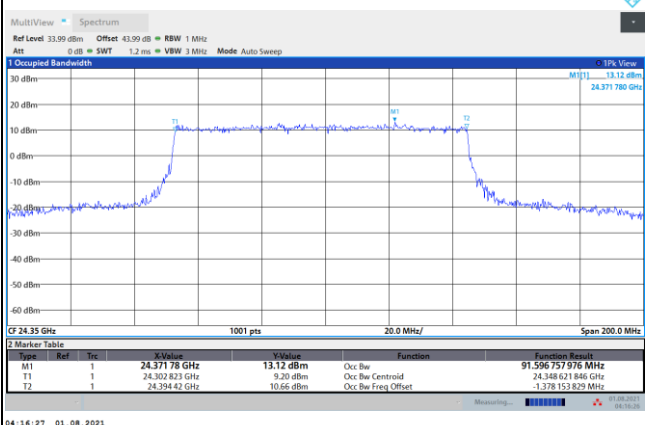
Lowest Channel / 100MHz / 16QAM



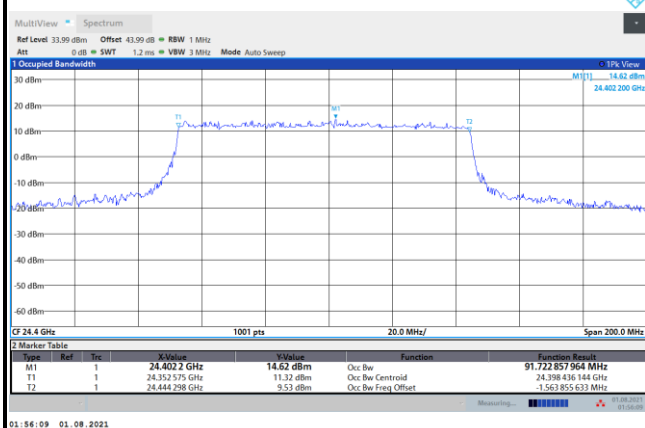
Middle Channel / 100MHz / QPSK



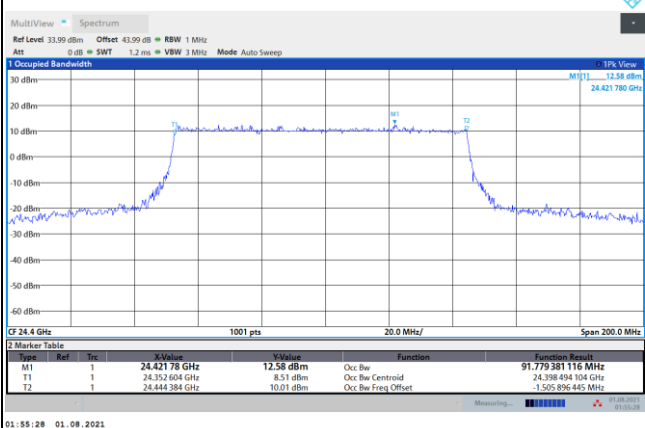
Middle Channel / 100MHz / 16QAM



Highest Channel / 100MHz / QPSK



Highest Channel / 100MHz / 16QAM

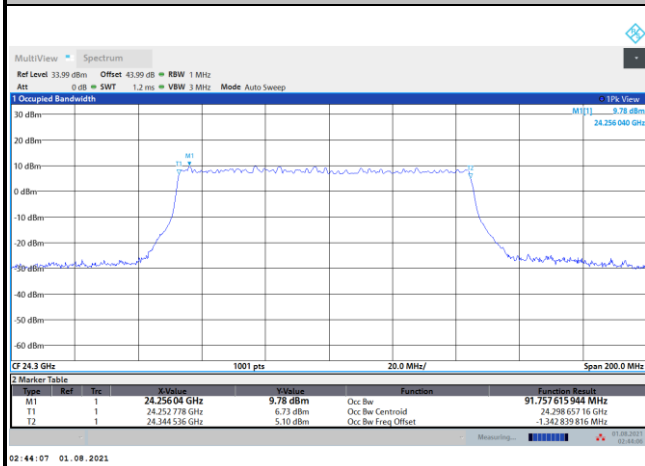




DFT-s-OFDM Module B

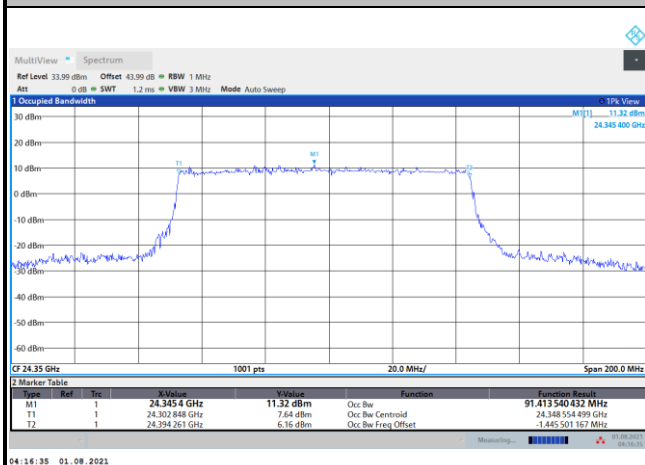
NR Band n258A

Lowest Channel / 100MHz / 64QAM

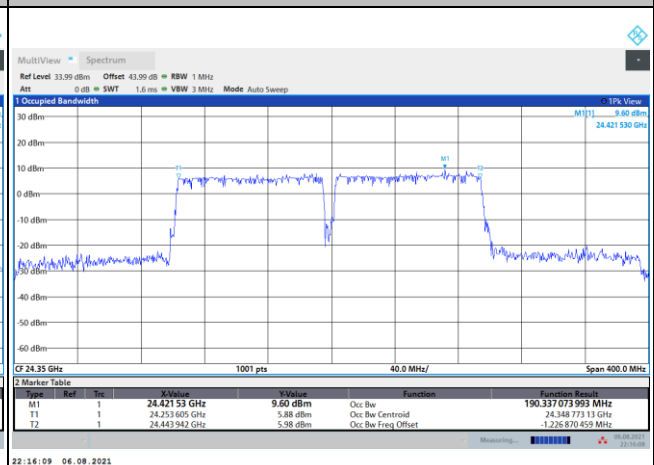


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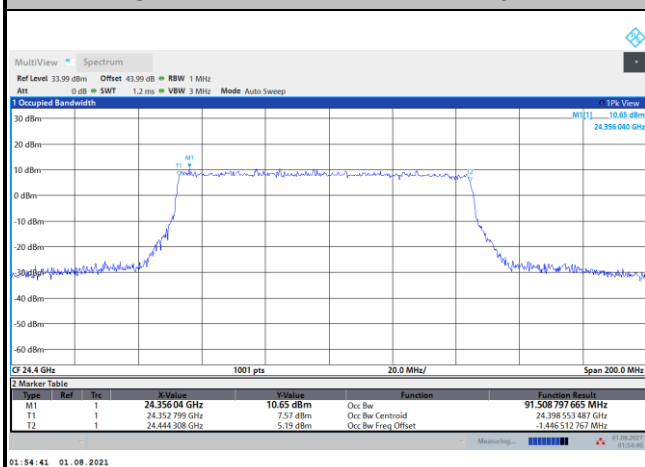
Middle Channel / 100MHz / 64QAM



Middle Channel / 200MHz / QPSK



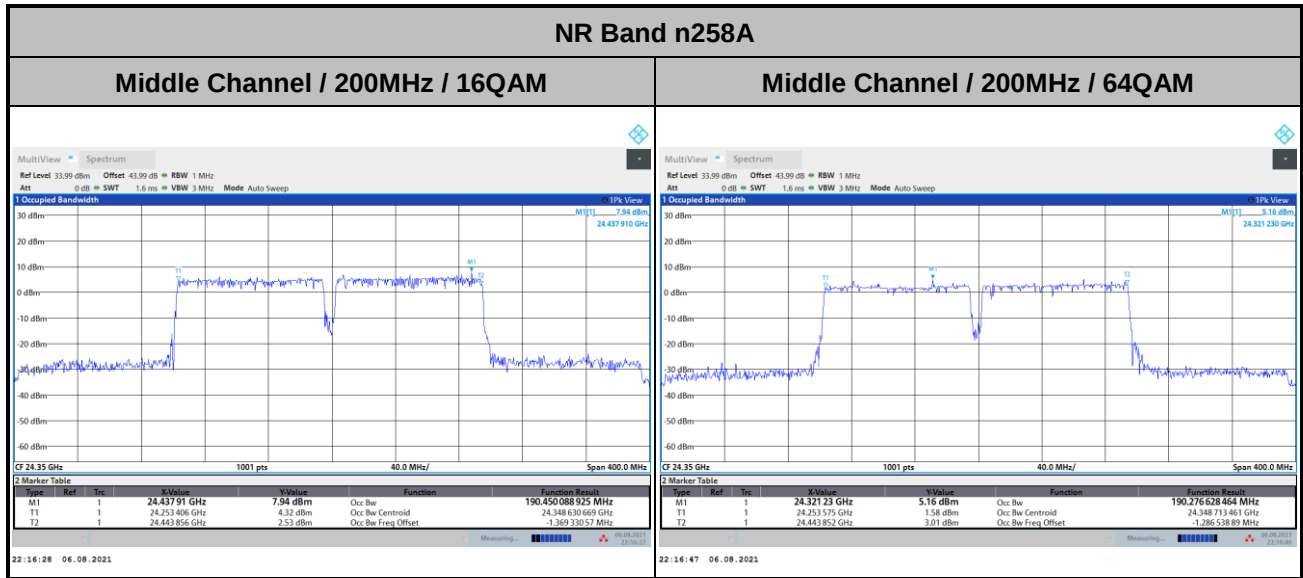
Highest Channel / 100MHz / 64QAM



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DFT-s-OFDM Module B

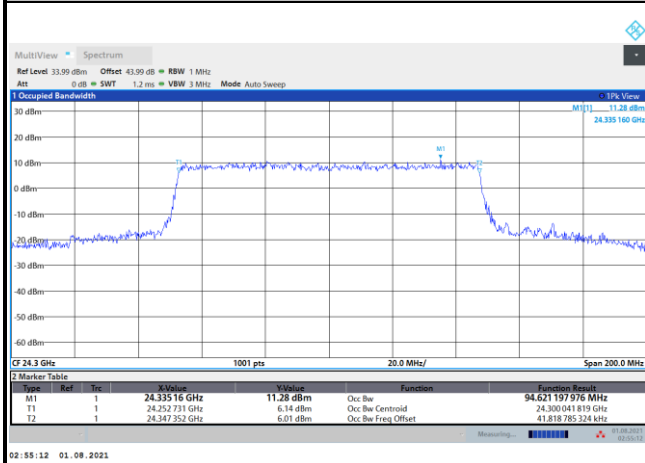




CP-OFDM Module B

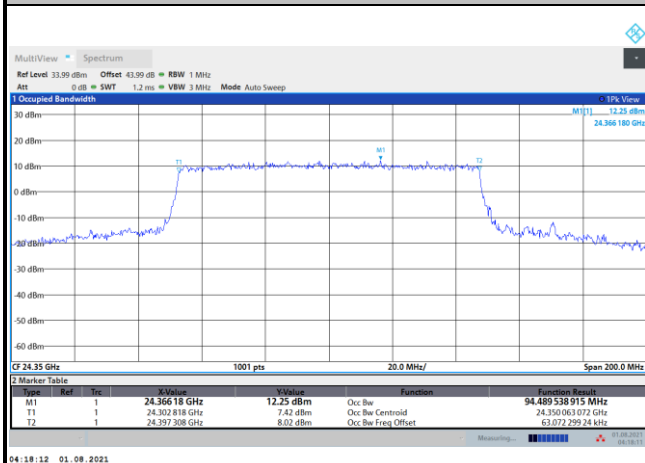
NR Band n258A

Lowest Channel / 100MHz / QPSK

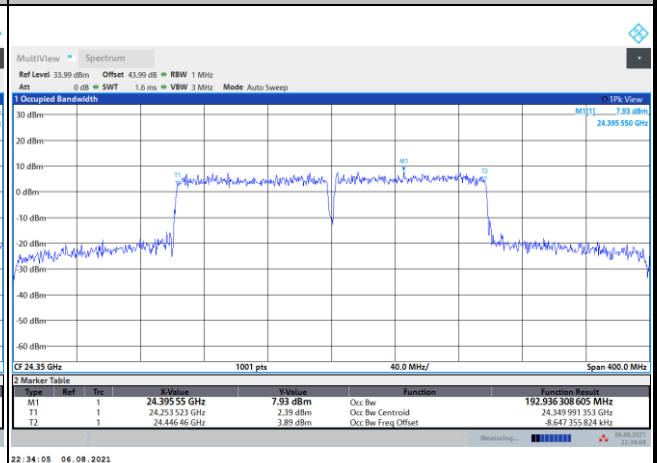


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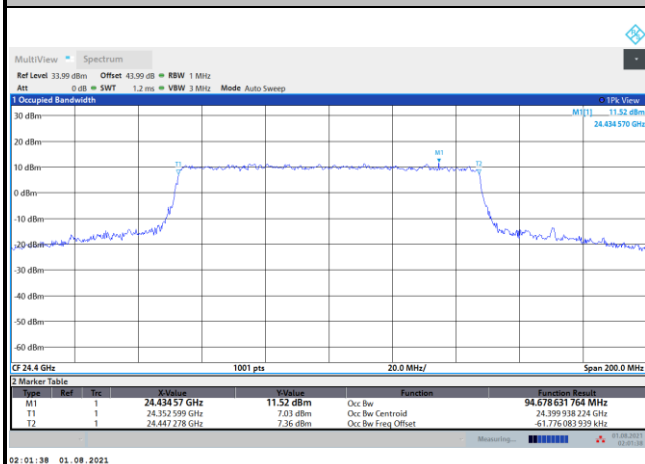
Middle Channel / 100MHz / QPSK



Middle Channel / 200MHz / QPSK



Highest Channel / 100MHz / QPSK



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Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-12.74	-13.32	-17.09
	>10%OB	≤ -13	-35.72	-38.43	-40.76
High CH	0~10%OB	≤ -5	-11.70	-13.99	-16.74
	>10%OB	≤ -13	-36.04	-38.30	-40.58
Result			Compliance		

Mode			CP-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			100MHz		
Limit (dBm)			QPSK		
Low CH	0~10%OB	≤ -5	-13.35		
	>10%OB	≤ -13	-36.23		
High CH	0~10%OB	≤ -5	-15.30		
	>10%OB	≤ -13	-37.16		
Result			Compliance		

Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-19.53	-23.86	-27.86
	>10%OB	≤ -13	-24.32	-29.85	-37.65
High CH	0~10%OB	≤ -5	-21.72	-25.36	-30.02
	>10%OB	≤ -13	-23.84	-28.49	-35.98
Result			Compliance		

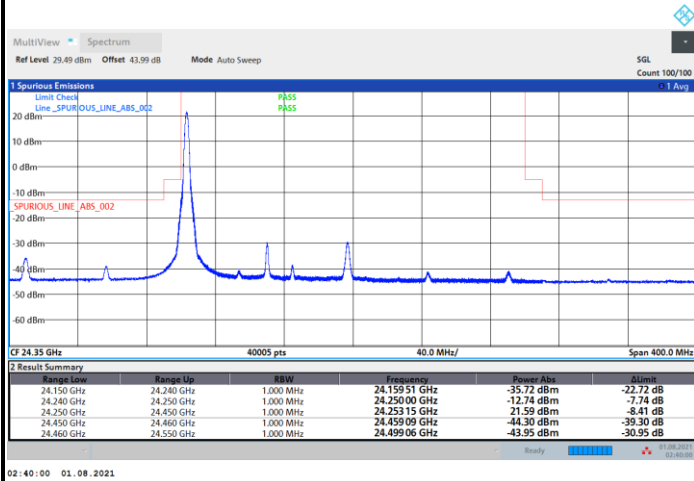
Mode			CP-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			100MHz		
Limit (dBm)			QPSK		
Low CH	0~10%OB	≤ -5	-22.39		
	>10%OB	≤ -13	-26.48		
High CH	0~10%OB	≤ -5	-21.02		
	>10%OB	≤ -13	-25.13		
Result			Compliance		



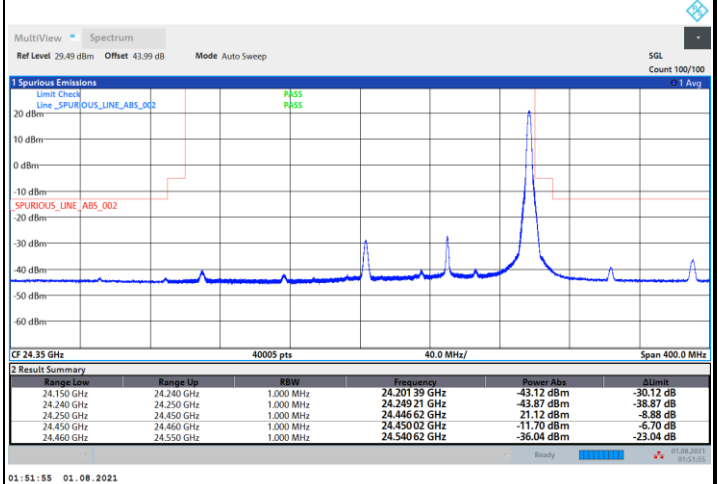
DFT-s-OFDM Module B

NR Band n258A / 100MHz / QPSK

Lowest Band Edge / 1 RB

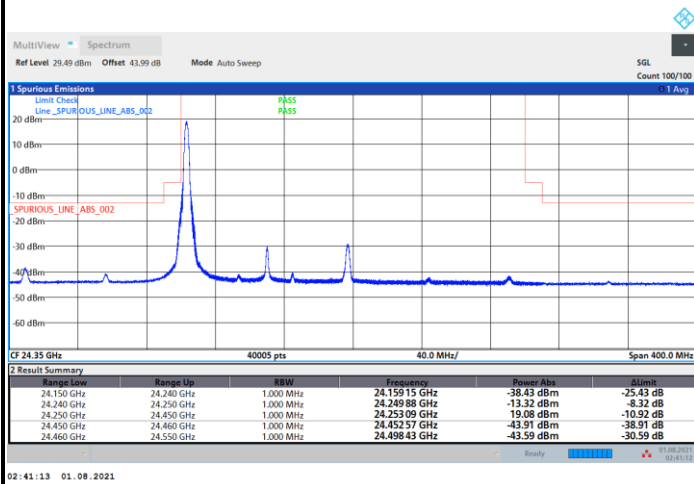


Highest Band Edge / 1 RB

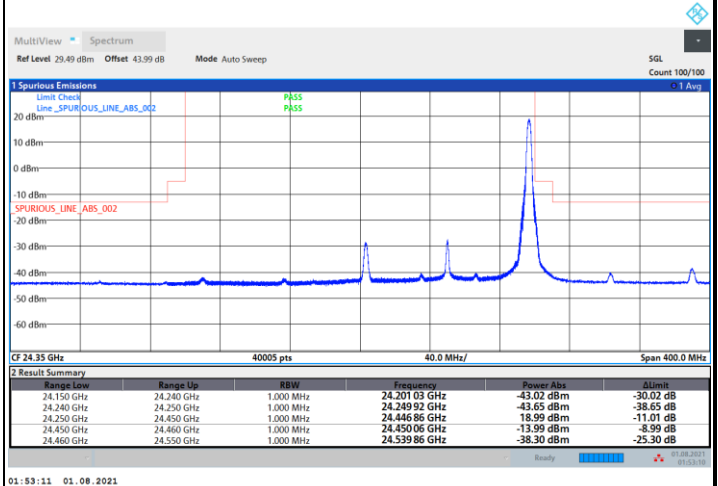


NR Band n258A / 100MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

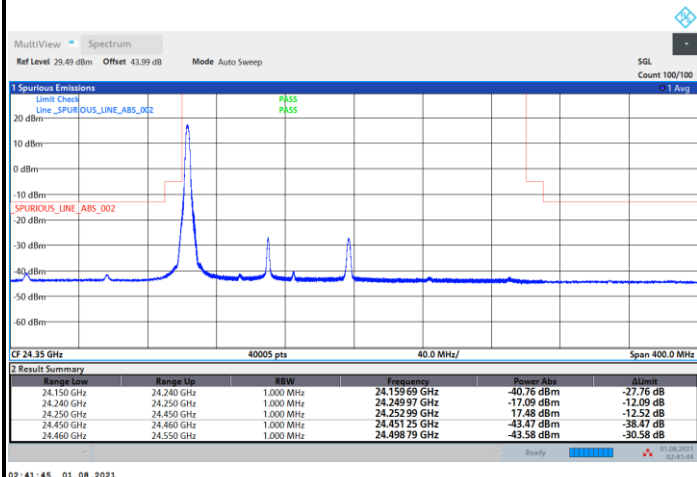




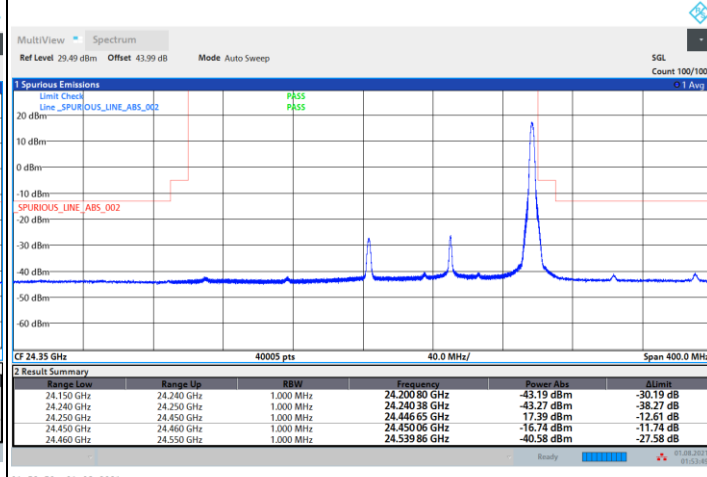
DFT-s-OFDM Module B

NR Band n258A / 100MHz / 64QAM

Lowest Band Edge / 1 RB



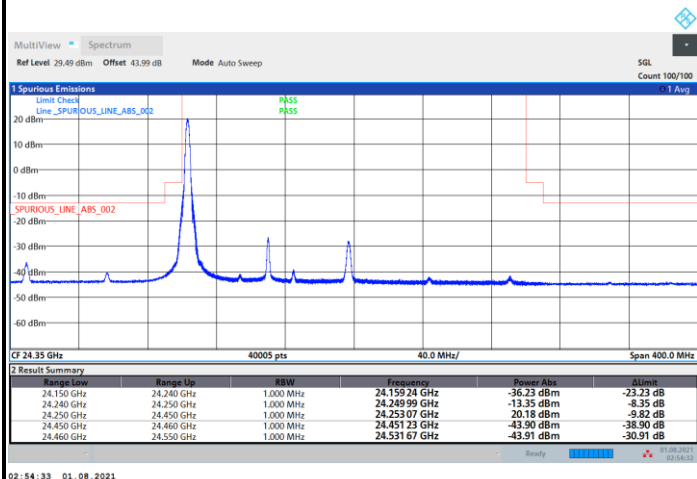
Highest Band Edge / 1 RB



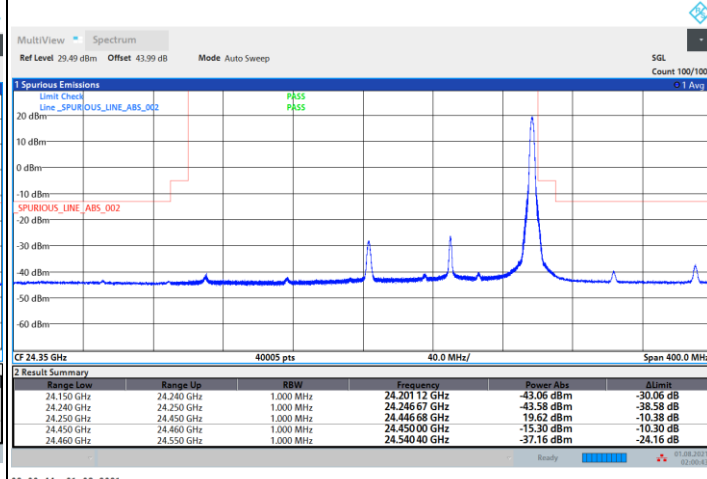
CP-OFDM Module B

NR Band n258A / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

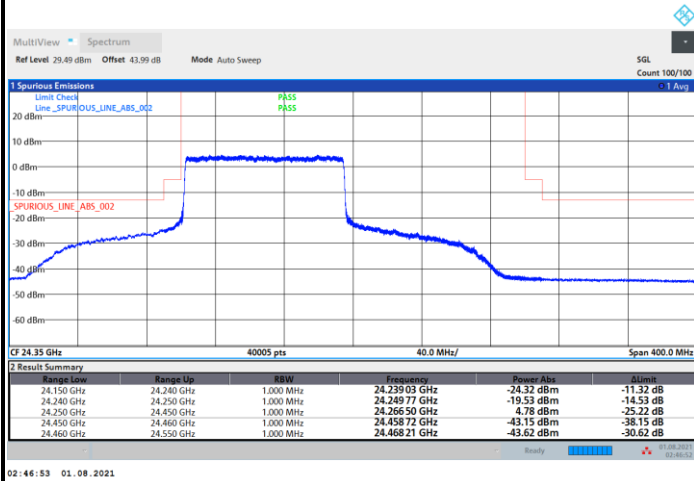




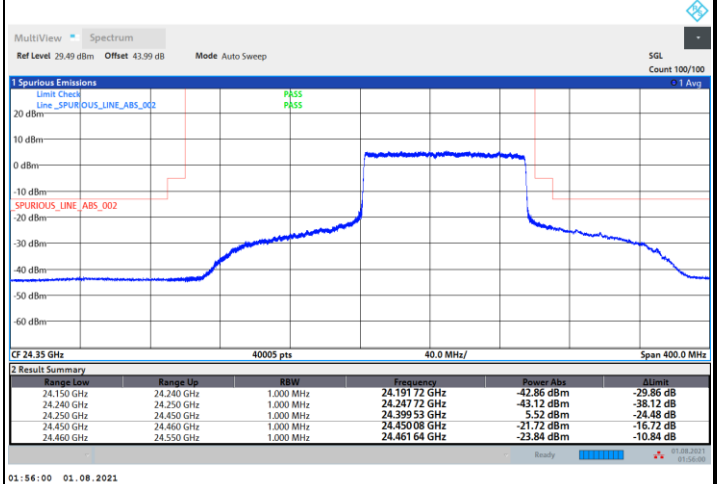
DFT-s-OFDM Module B

NR Band n258A / 100MHz / QPSK

Lowest Band Edge / Full RB

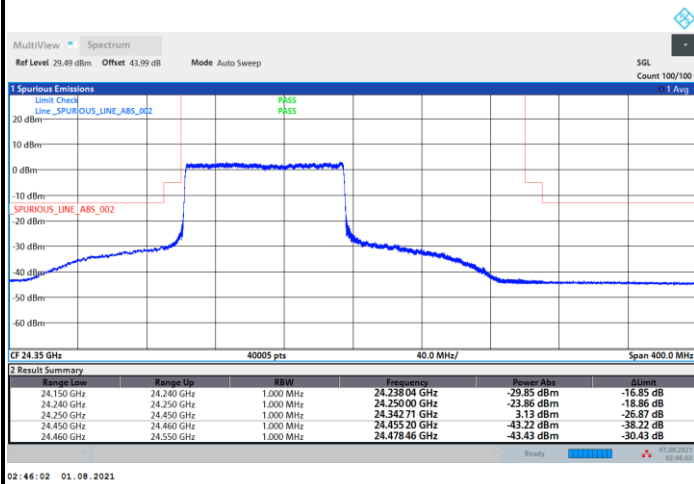


Highest Band Edge / Full RB

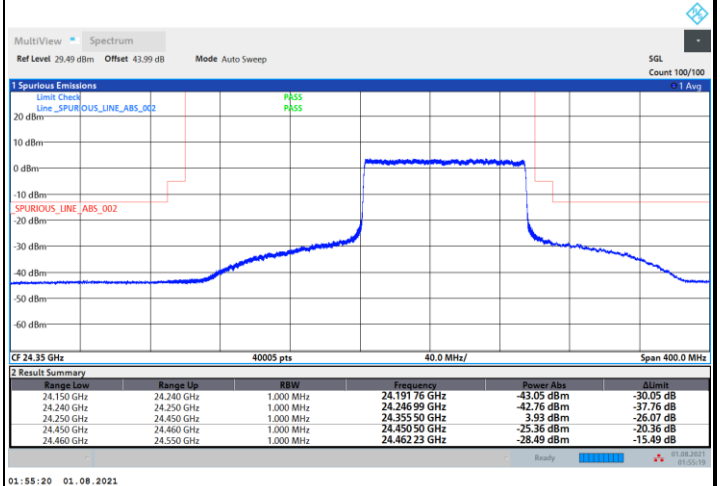


NR Band n258A / 100MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

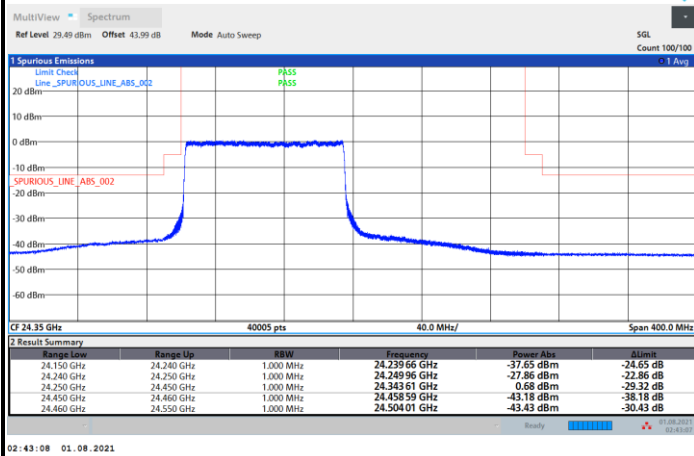




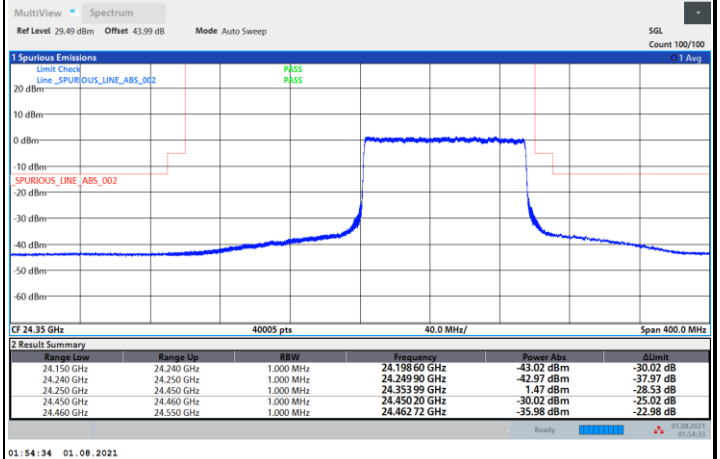
DFT-s-OFDM Module B

NR Band n258A / 100MHz / 64QAM

Lowest Band Edge / Full RB



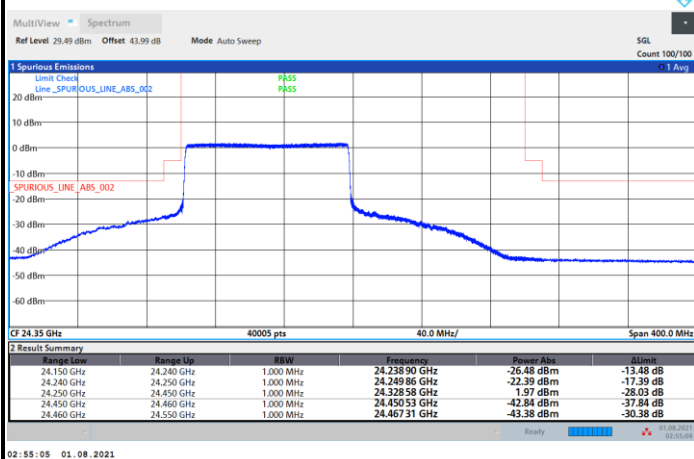
Highest Band Edge / Full RB



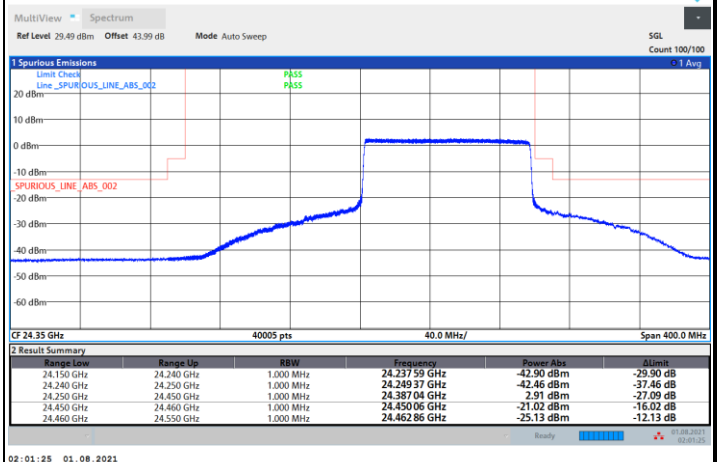
CP-OFDM Module B

NR Band n258A / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low Edge	0~10%OB	≤-5	-13.77	-14.29	-18.61
	>10%OB	≤-13	-16.25	-14.93	-23.36
High Edge	0~10%OB	≤-5	-12.96	-17.05	-20.54
	>10%OB	≤-13	-19.07	-17.80	-24.47
Result			Compliance		

Mode			CP-OFDM Module B NR Band n258A : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK		
Low Edge	0~10%OB	≤-5	-13.77		
	>10%OB	≤-13	-13.70		
High Edge	0~10%OB	≤-5	-13.34		
	>10%OB	≤-13	-16.02		
Result			Compliance		

Mode			DFT-s-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low Edge	0~10%OB	≤-5	-22.28	-24.57	-27.21
	>10%OB	≤-13	-27.84	-29.78	-30.77
High Edge	0~10%OB	≤-5	-25.03	-29.32	-28.13
	>10%OB	≤-13	-27.31	-30.26	-31.02
Result			Compliance		

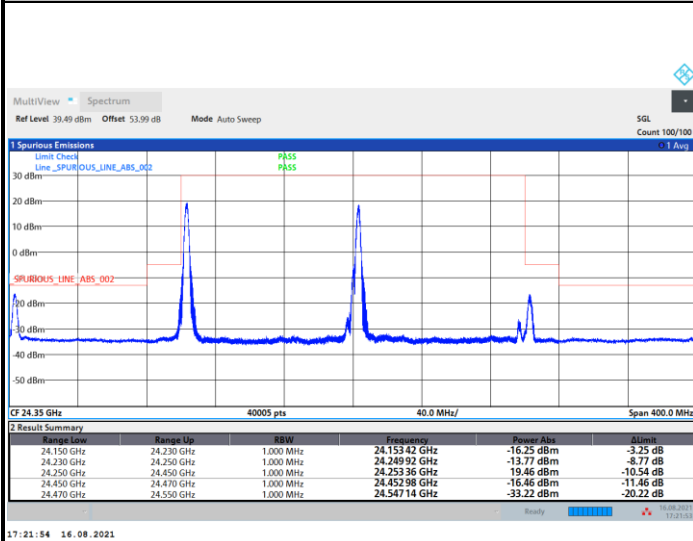
Mode			CP-OFDM Module B NR Band n258A : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK		
Low Edge	0~10%OB	≤-5	-19.51		
	>10%OB	≤-13	-24.86		
High Edge	0~10%OB	≤-5	-22.55		
	>10%OB	≤-13	-24.70		
Result			Compliance		



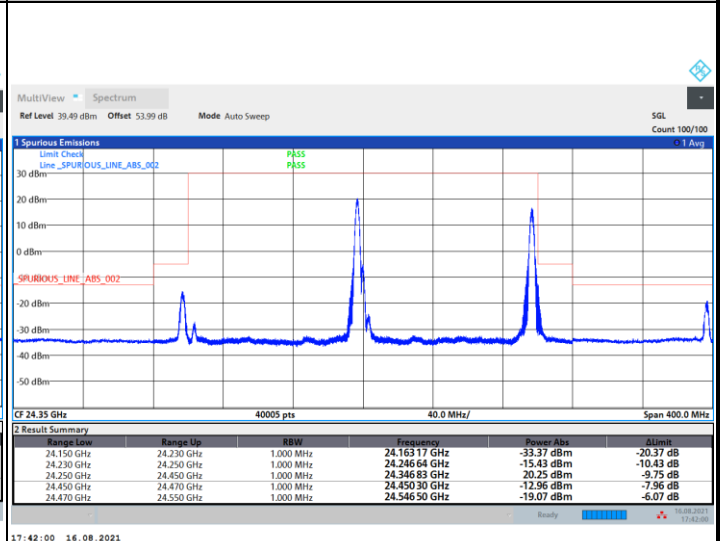
DFT-s-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / 1 RB

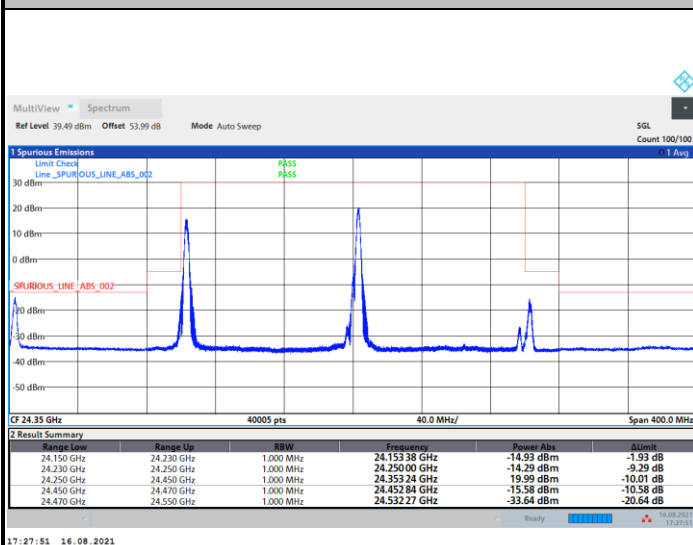


Highest Band Edge / 1 RB

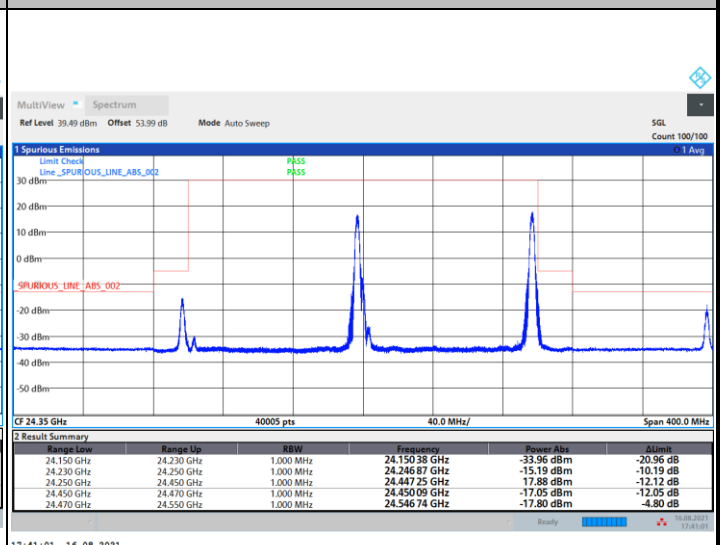


NR Band n258A / 200MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

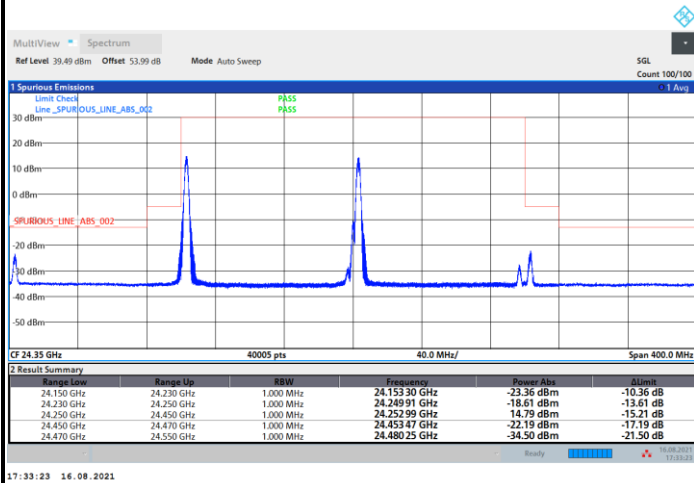




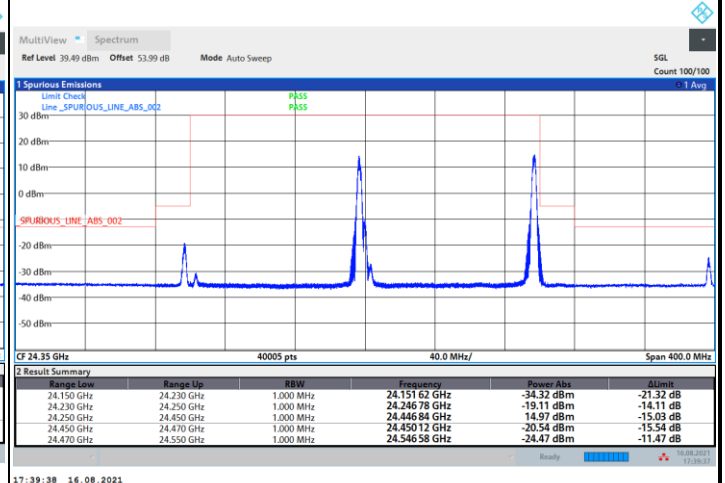
DFT-s-OFDM Module B

NR Band n258A / 200MHz / 64QAM

Lowest Band Edge / 1 RB



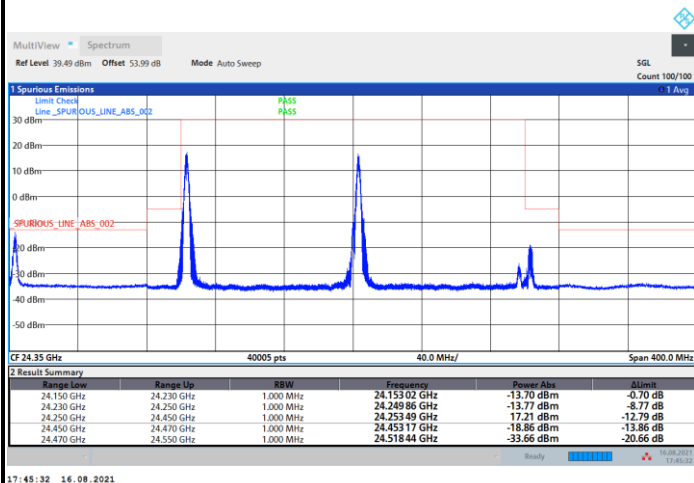
Highest Band Edge / 1 RB



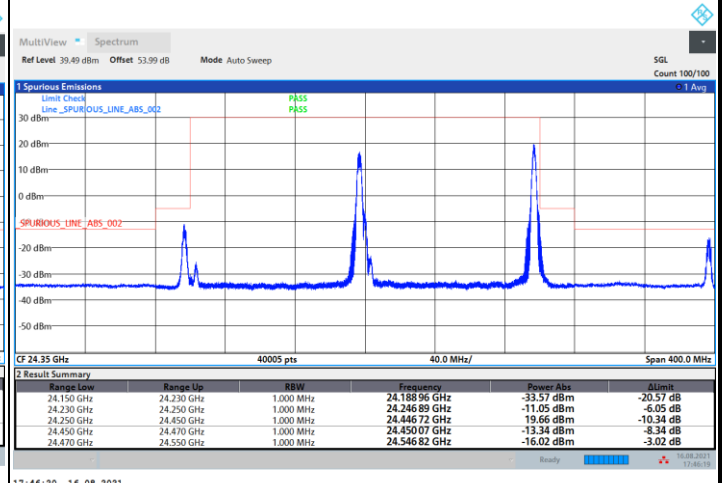
CP-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



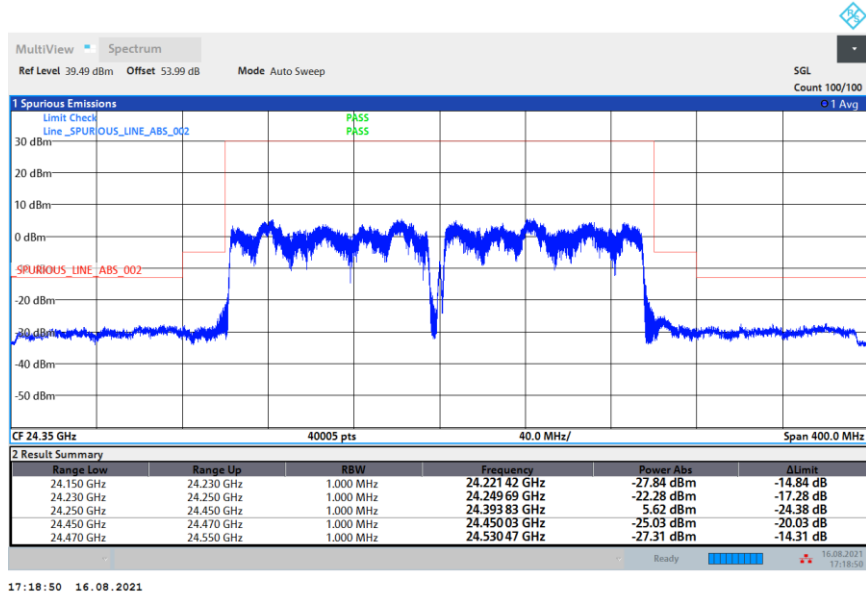


DFT-s-OFDM Module B

NR Band n258A / 200MHz / QPSK

Lowest Band Edge / Full RB

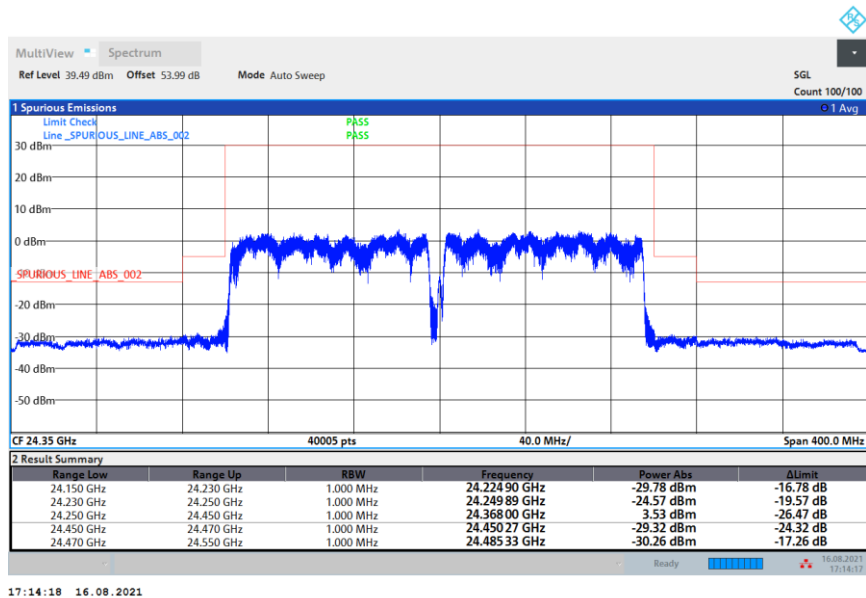
Highest Band Edge / Full RB

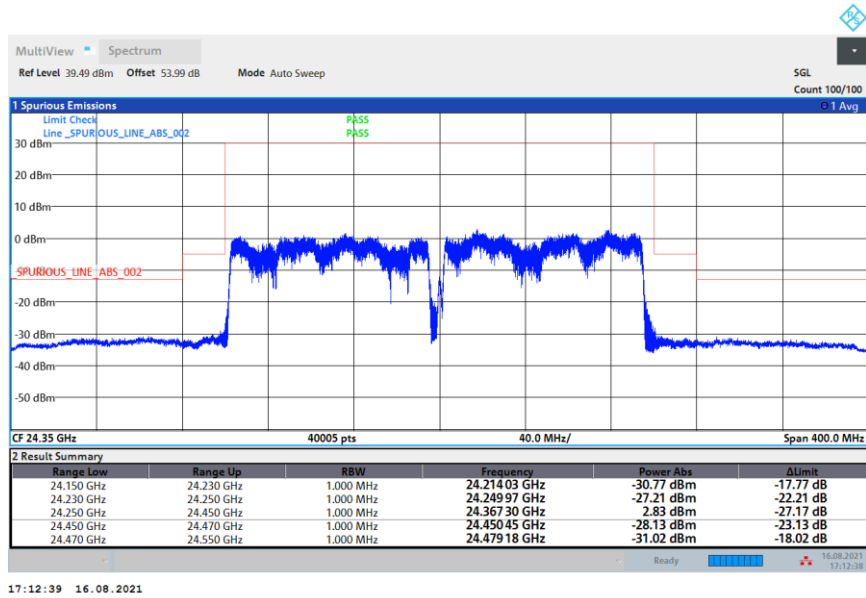
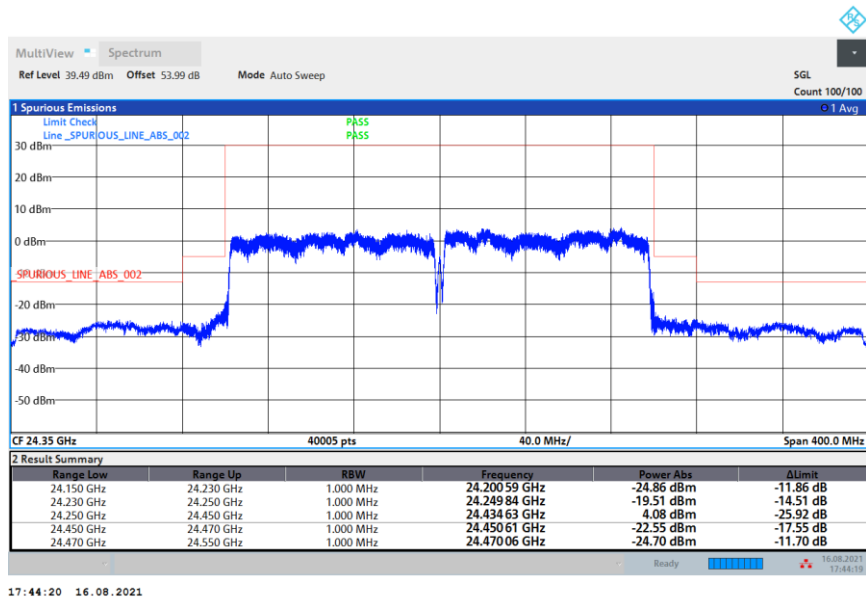


NR Band n258A / 200MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



**DFT-s-OFDM Module B****NR Band n258A / 200MHz / 64QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****CP-OFDM Module B****NR Band n258A / 200MHz / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



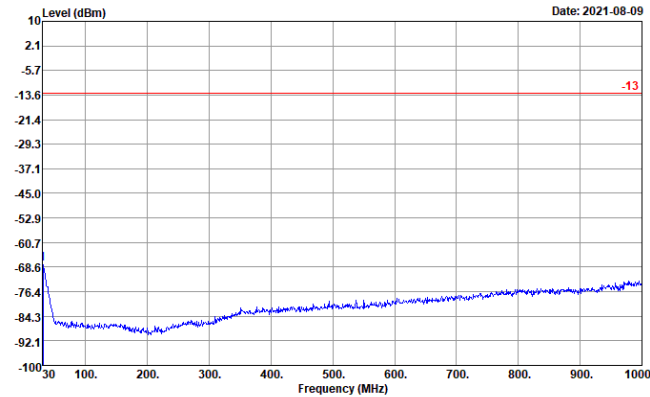
Spurious Emission

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

Only the noise floor is reported.

NR Band n258A (30MHz-1GHz)

Horizontal

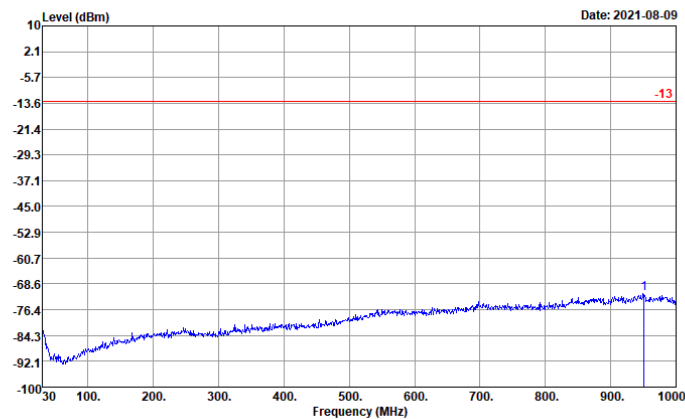


Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL

: n258a MB

		Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	Remark
Freq	Level	Limit	Line	Level	Factor	Loss	Factor			
MHz	dBm	dB	dBm	dBm	dB	dB	dB	cm	deg	
30.99	-67.66	-54.66	-13.00	-78.52	46.59	0.00	35.73	---	---	Peak

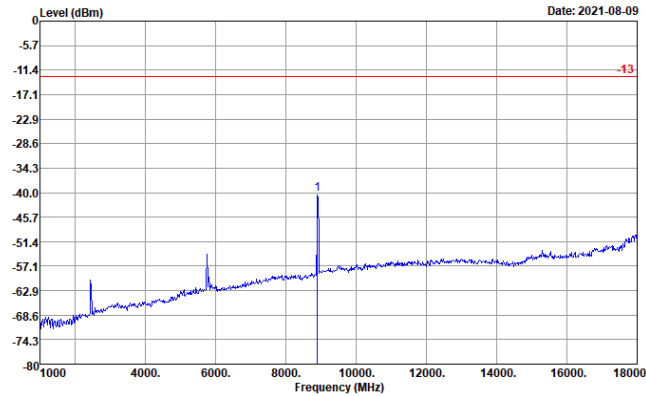
Vertical



Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL

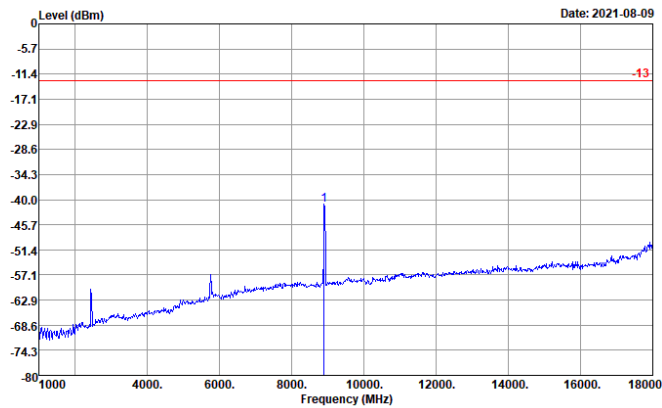
: n258a MB

		Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
MHz	dBm	dB	dBm	dBm	dB	dB	dB	cm	deg	
951.30	-71.55	-58.55	-13.00	-81.33	42.94	0.00	33.16	---	---	Peak

**NR Band n258A (1GHz-18GHz)****Horizontal**

Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL

: n258a MB										
Freq	Level	Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor	Loss	Factor	dB	cm	deg
1	8902.00	-40.33	-27.33	-13.00	-65.96	66.45	0.00	40.82	---	--- Peak

Vertical

Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL

: n258a MB										
Freq	Level	Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor	Loss	Factor	dB	cm	deg
1	8902.00	-41.16	-28.16	-13.00	-66.25	65.91	0.00	40.82	---	--- Peak