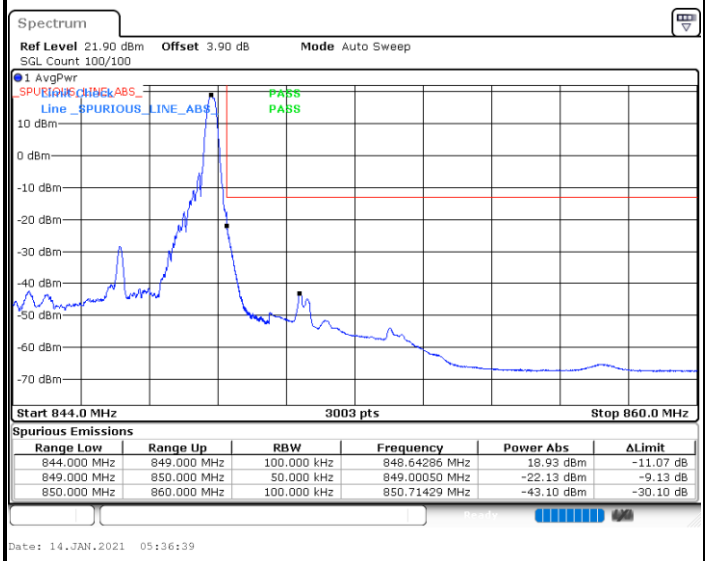
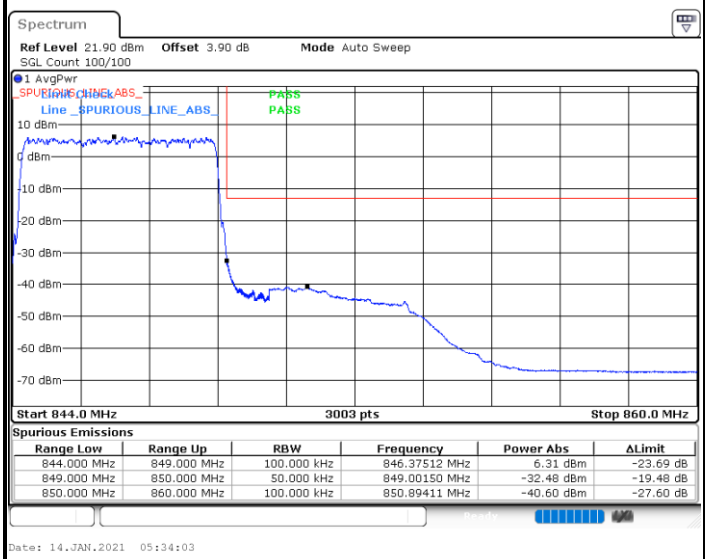
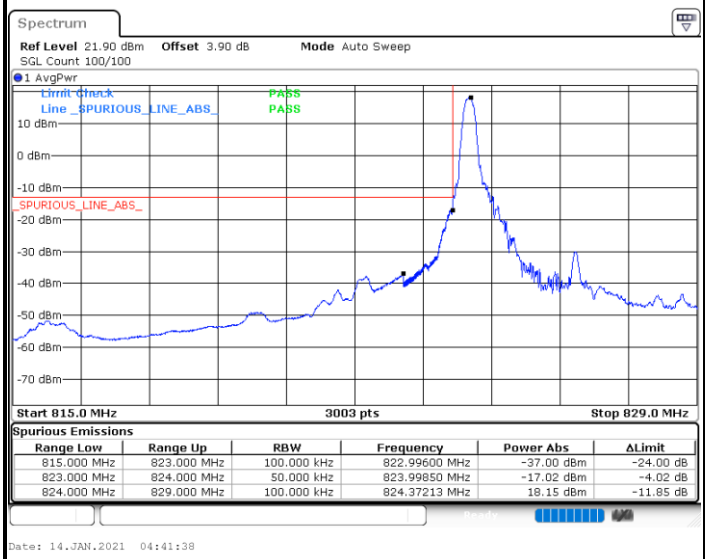
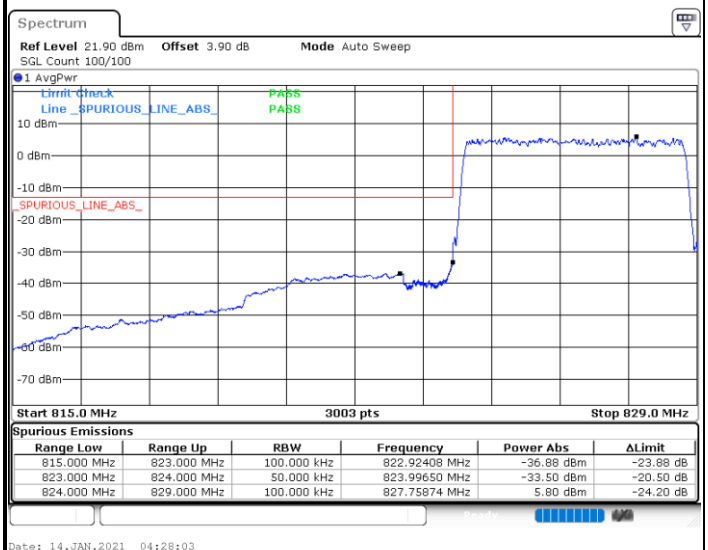
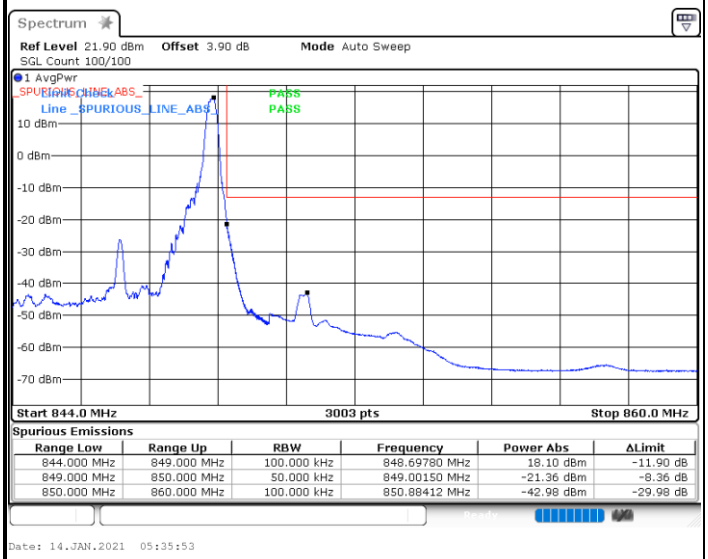
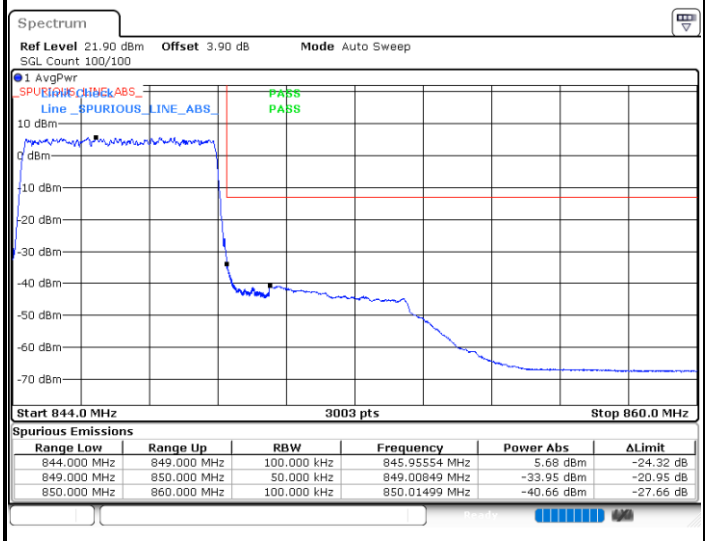
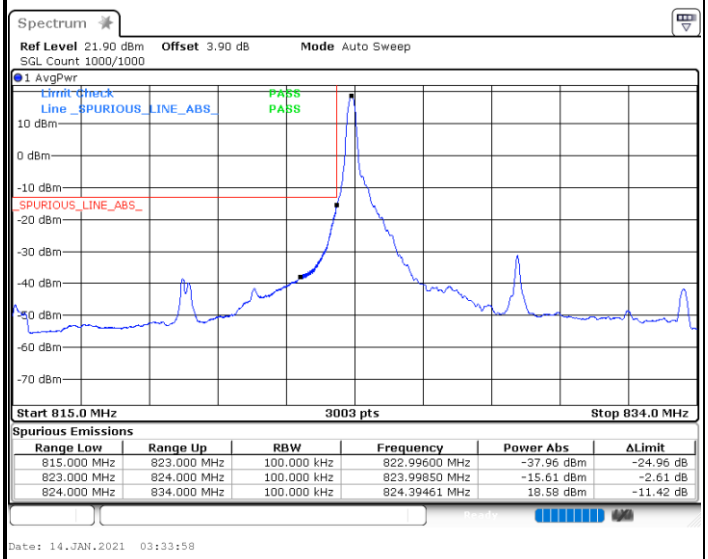
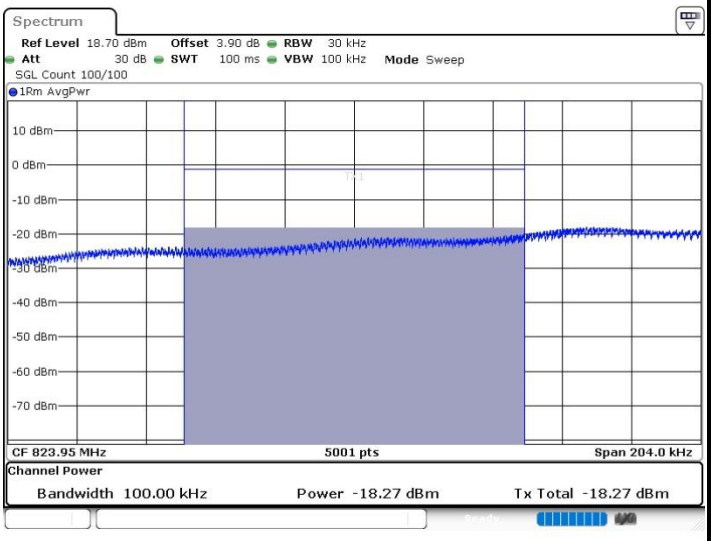
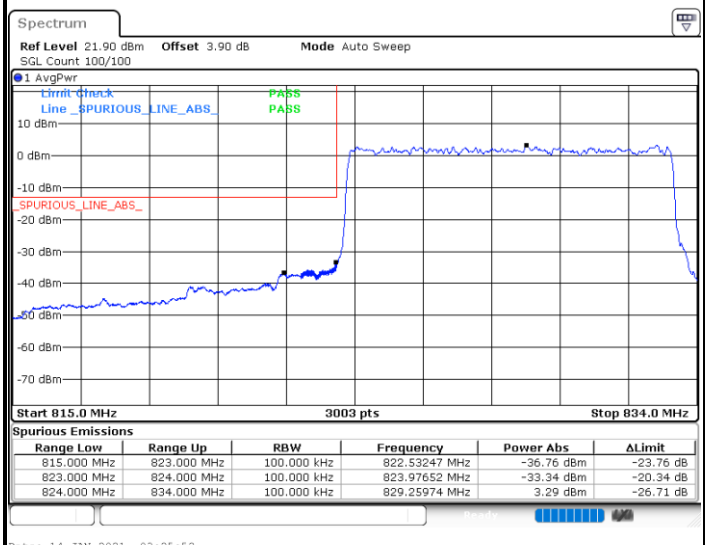
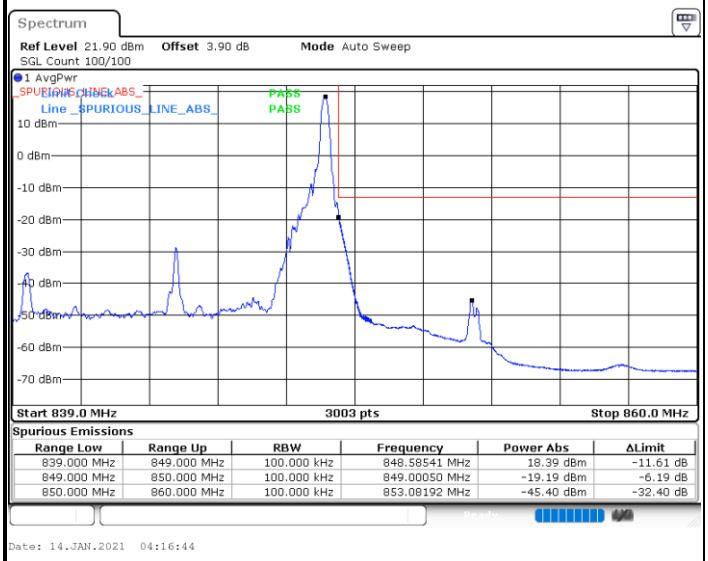
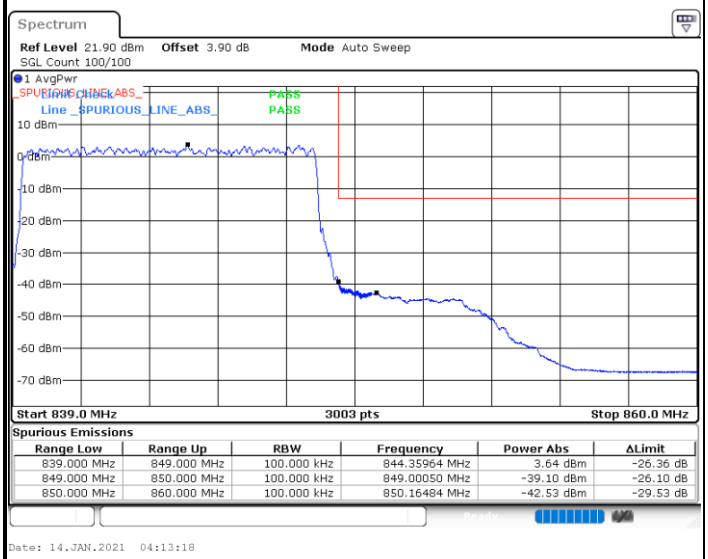
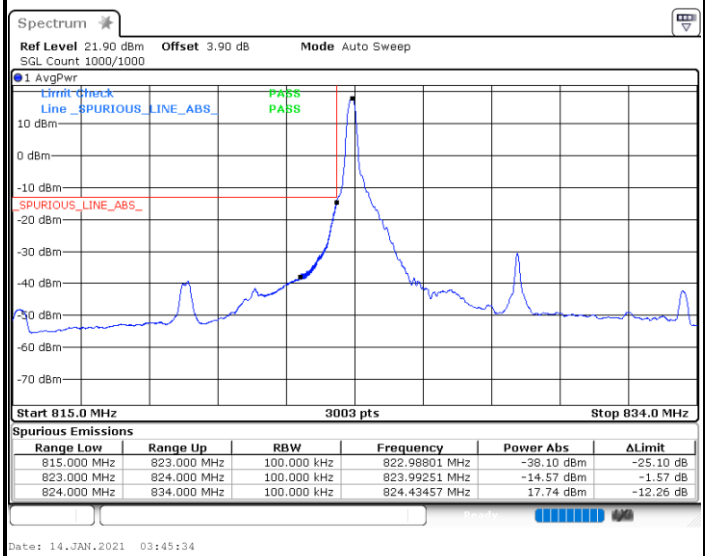
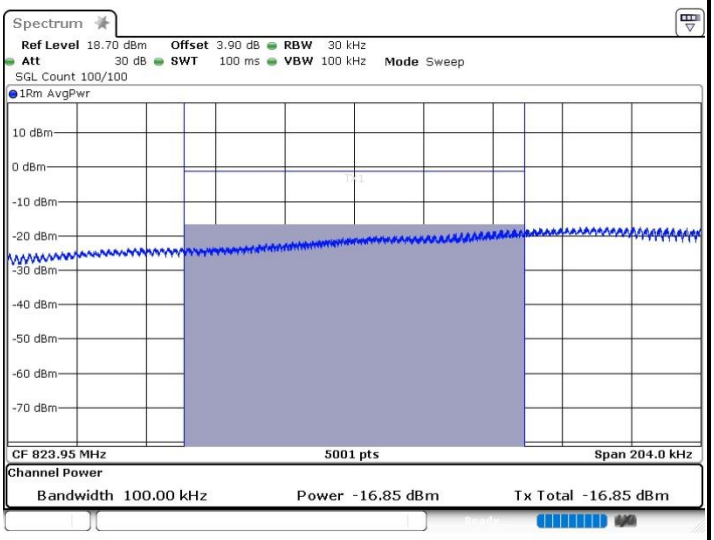
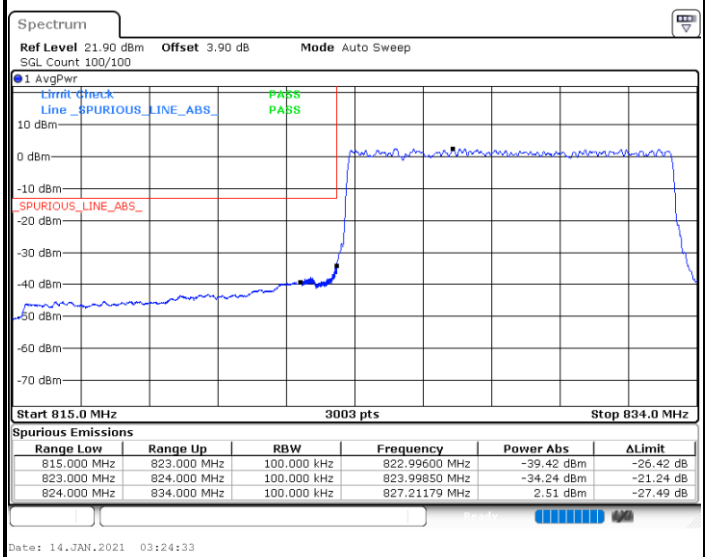
FR1 n5+2A / 5MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

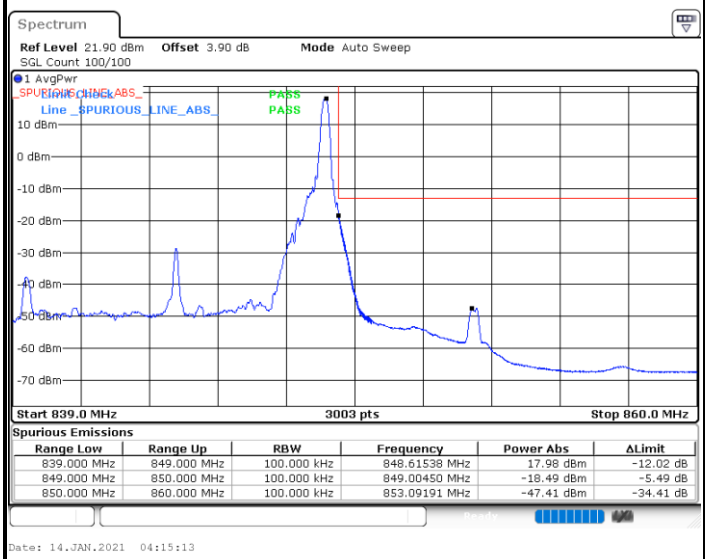
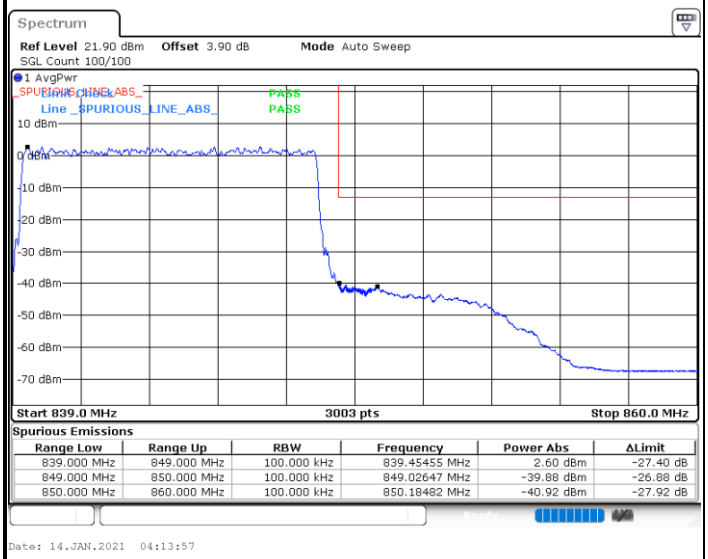
FR1 n5+2A / 5MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

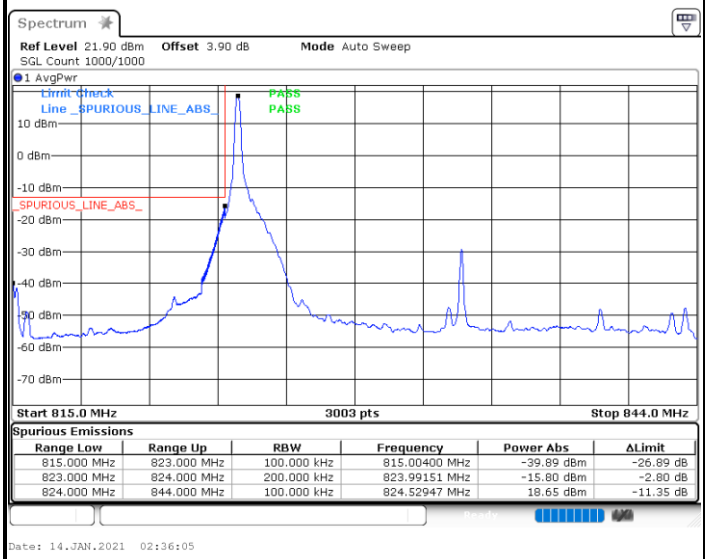
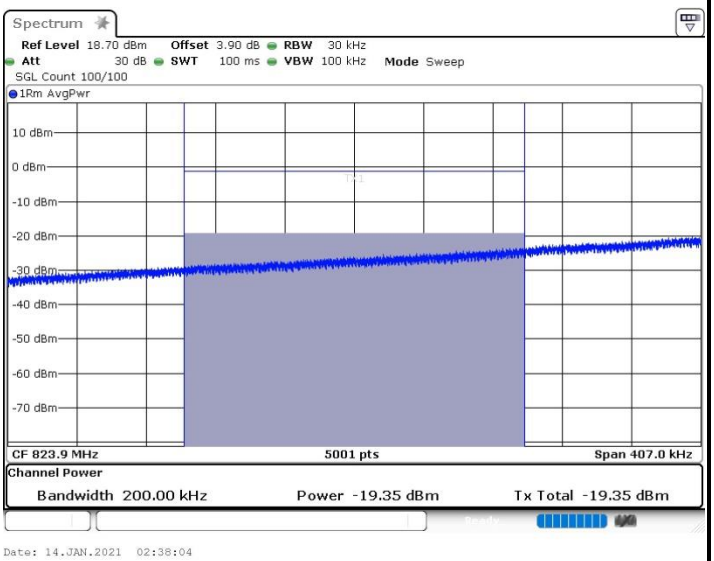
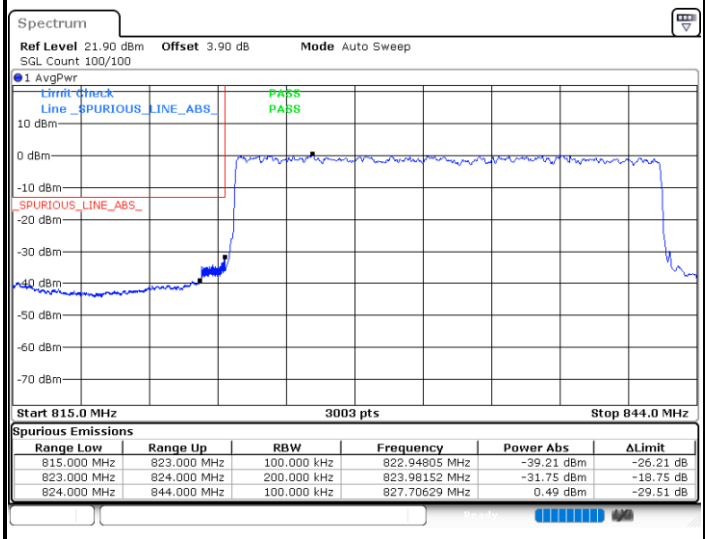
FR1 n5+2A / 5MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

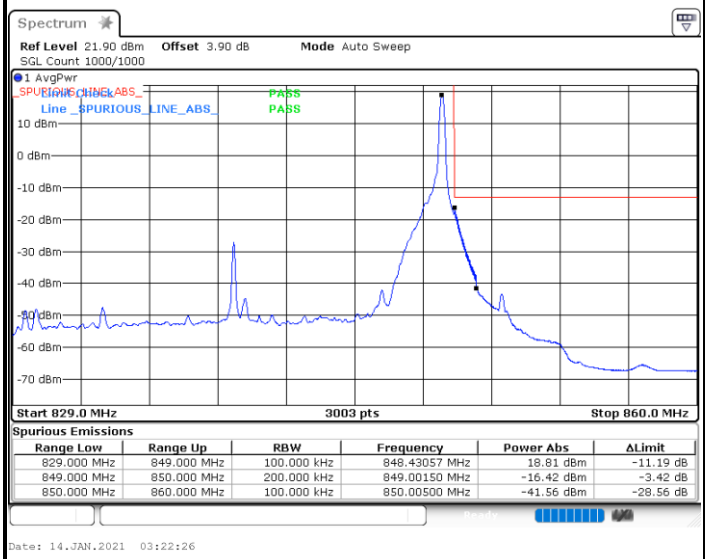
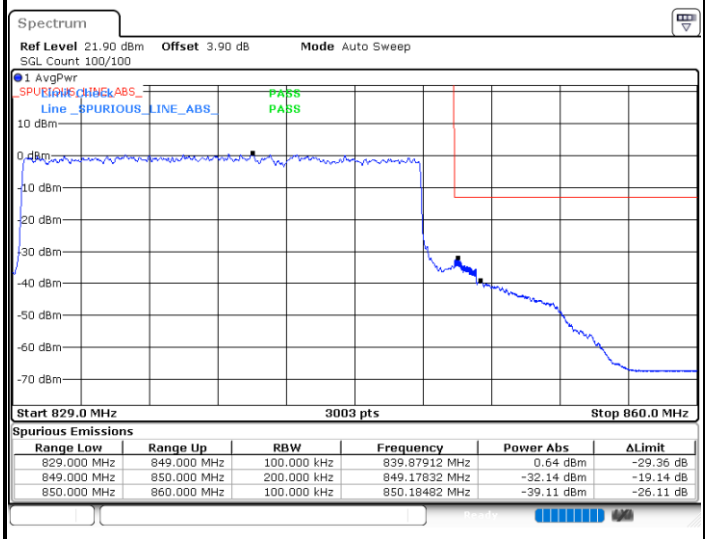
FR1 n5+2A / 10MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

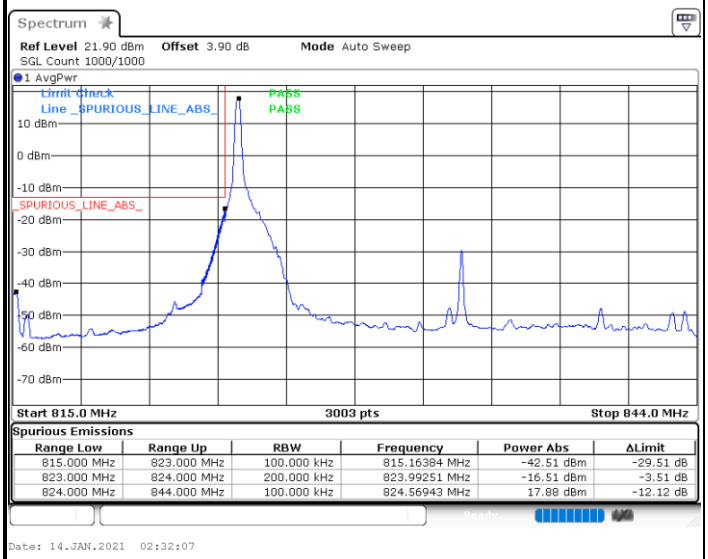
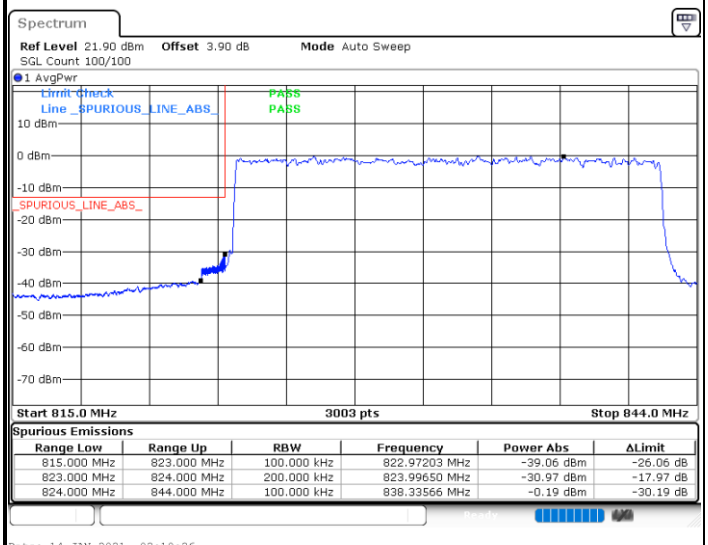
FR1 n5+2A / 10MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

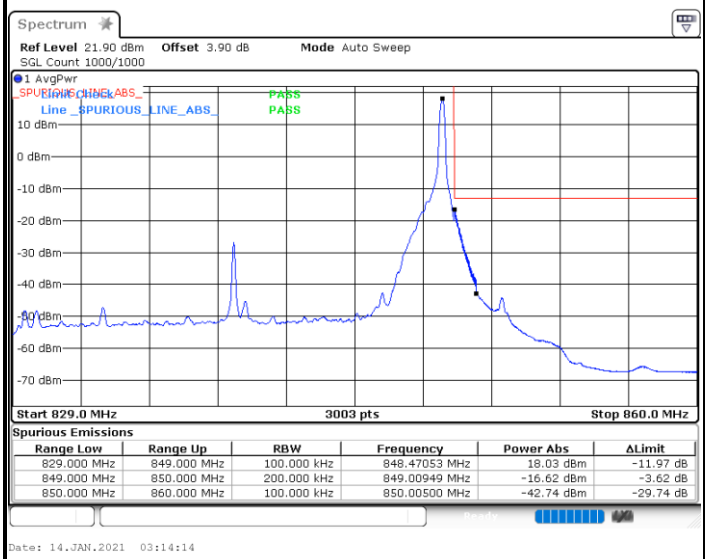
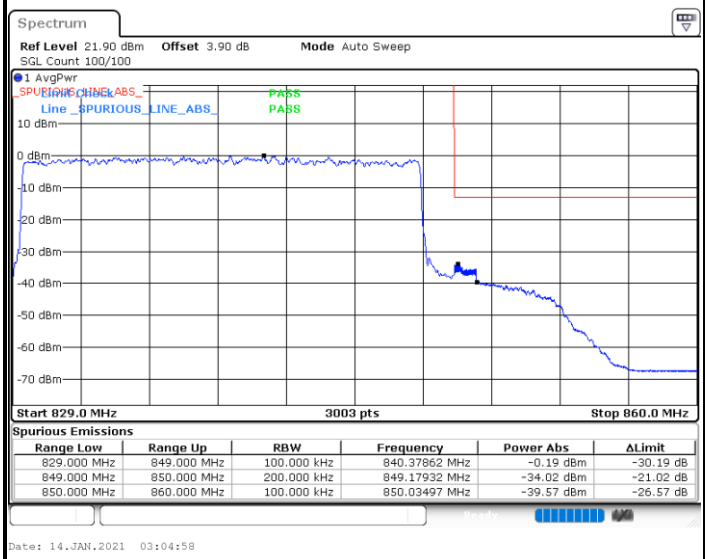
FR1 n5+2A / 10MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n5+2A / 10MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n5+2A / 20MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n5+2A / 20MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

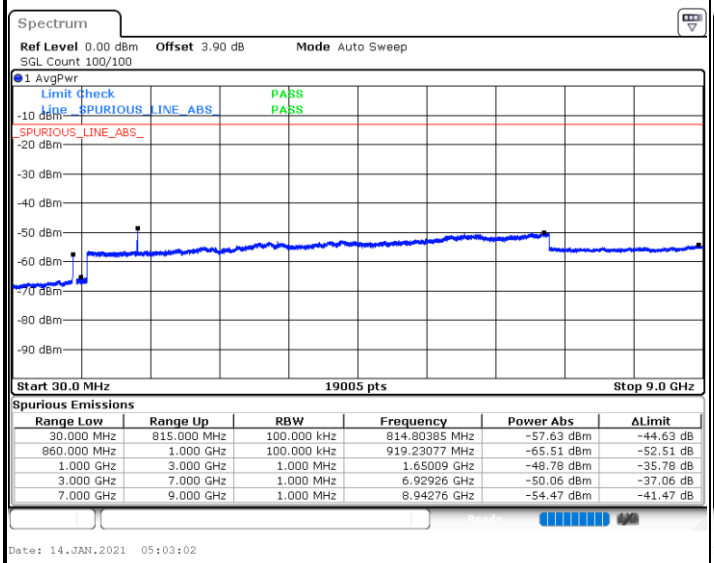
FR1 n5+2A / 20MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n5+2A / 20MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

Conducted Spurious Emission

FR1 n5+2A / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

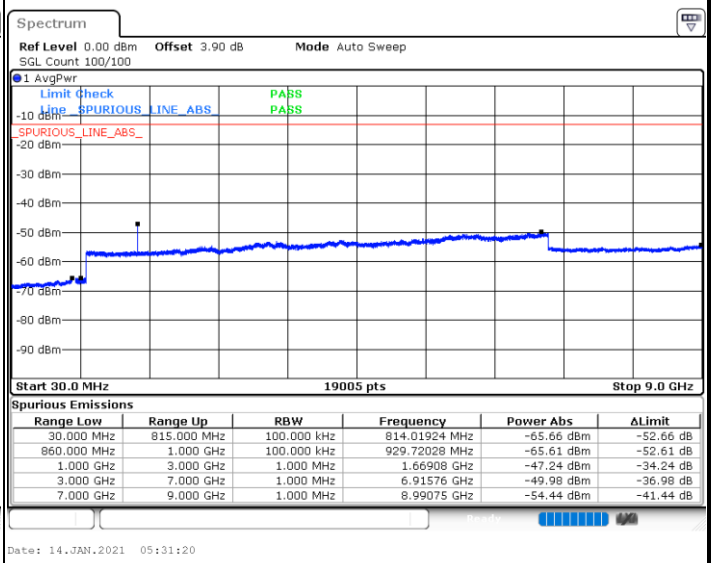


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-57.63 dBm	-44.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	919.23077 MHz	-65.51 dBm	-52.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-48.78 dBm	-35.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92926 GHz	-50.06 dBm	-37.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94276 GHz	-54.47 dBm	-41.47 dB

Date: 14.JAN.2021 05:03:02

Middle Channel / 1RB

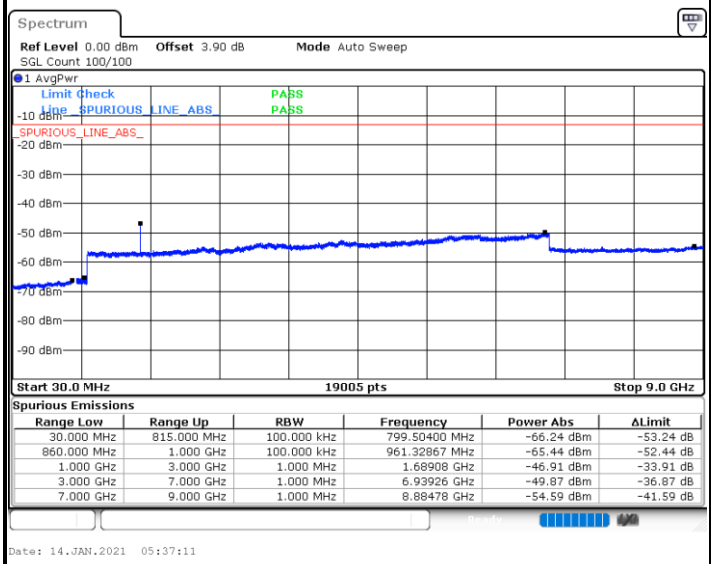


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-65.66 dBm	-52.66 dB
860.000 MHz	1.000 GHz	100.000 kHz	929.72028 MHz	-65.61 dBm	-52.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-47.24 dBm	-34.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-49.98 dBm	-36.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.99075 GHz	-54.44 dBm	-41.44 dB

Date: 14.JAN.2021 05:31:20

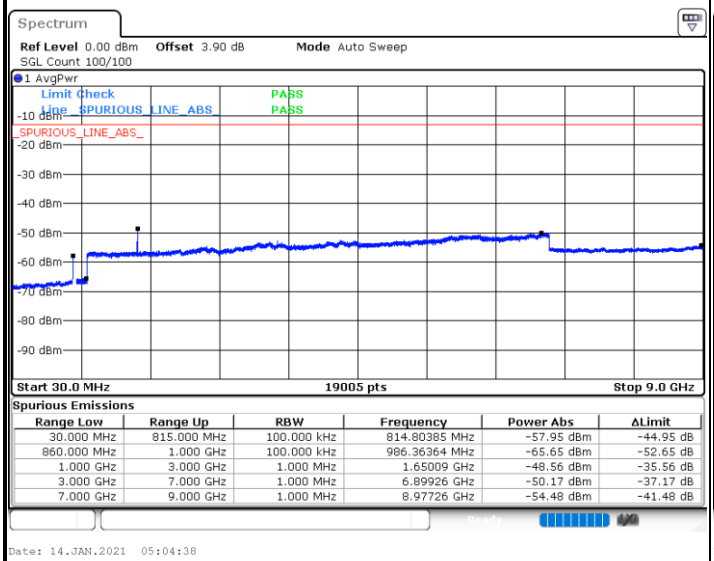
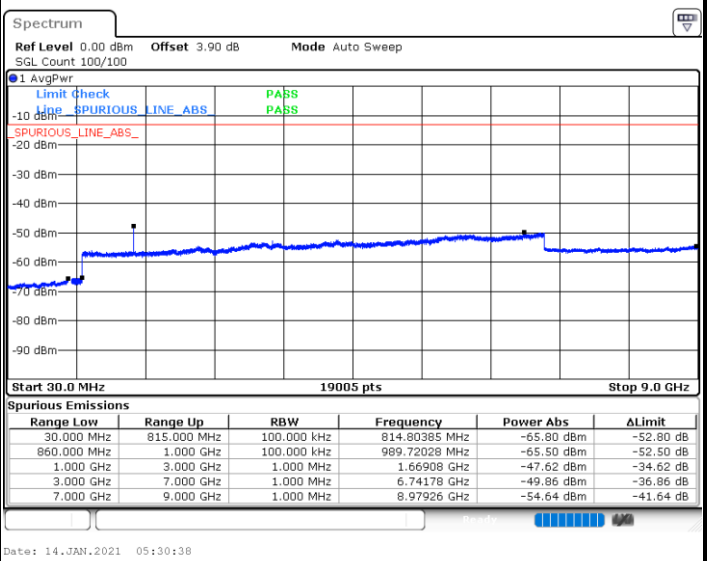
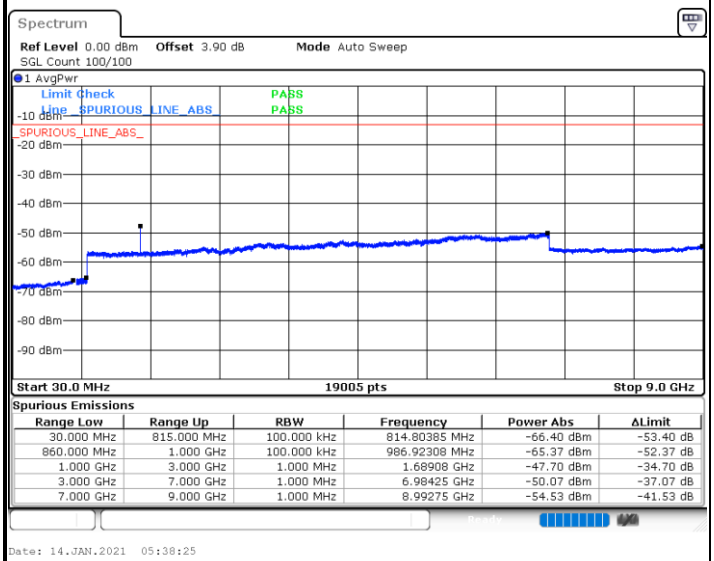
Highest Channel / 1RB

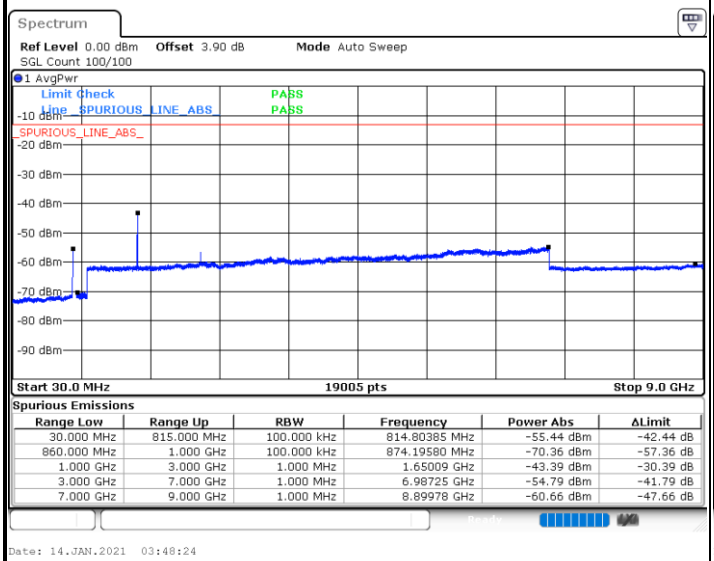
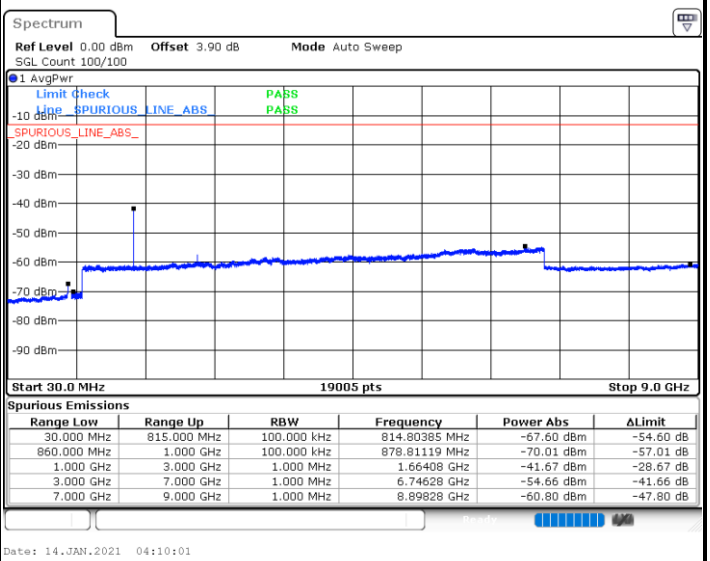
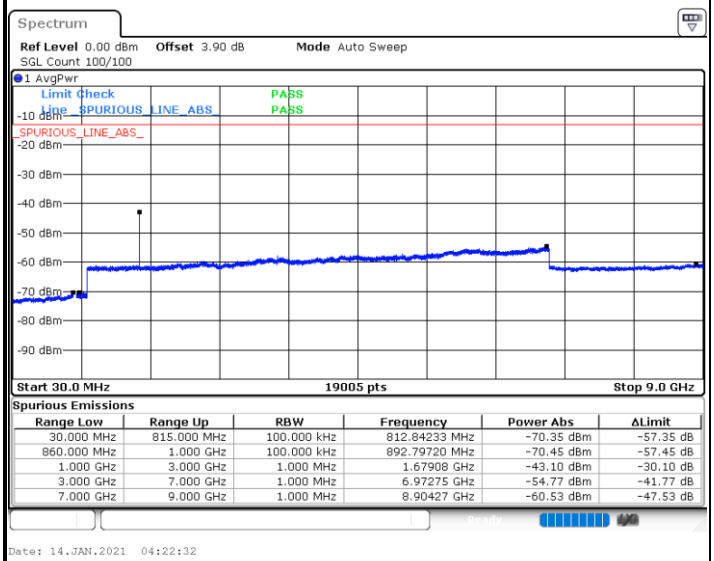


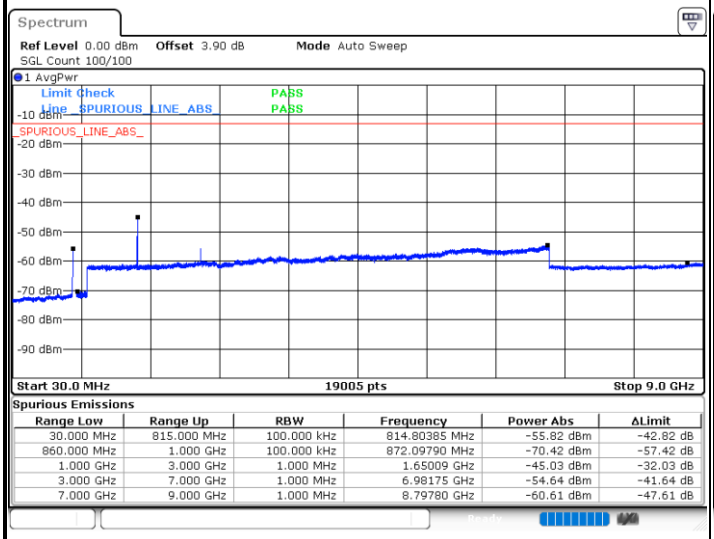
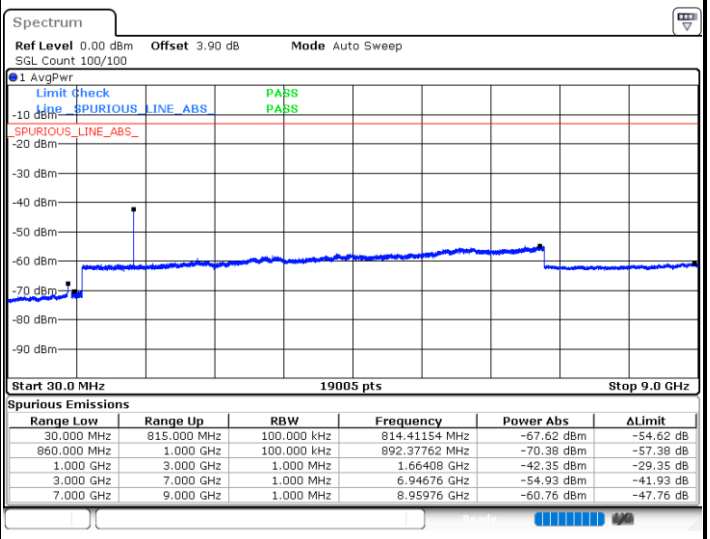
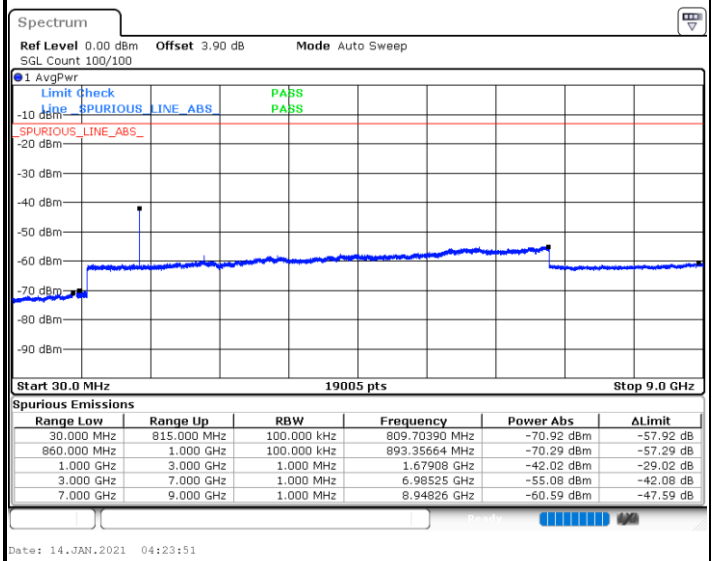
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	799.50400 MHz	-66.24 dBm	-53.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	961.32867 MHz	-65.44 dBm	-52.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-46.91 dBm	-33.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93926 GHz	-49.87 dBm	-36.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88478 GHz	-54.59 dBm	-41.59 dB

Date: 14.JAN.2021 05:37:11

FR1 n5+2A / 5MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB	**Middle Channel / 1RB**
	
Highest Channel / 1RB	
	

FR1 n5+2A / 10MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB	**Middle Channel / 1RB**
	
Highest Channel / 1RB	
	

FR1 n5+2A / 10MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB	**Middle Channel / 1RB**
	
Highest Channel / 1RB	
	

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-55.82 dBm	-42.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	872.09790 MHz	-70.42 dBm	-57.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-45.03 dBm	-32.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-54.64 dBm	-41.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79780 GHz	-60.61 dBm	-47.61 dB

Date: 14.JAN.2021 04:06:13

Spurious Emissions

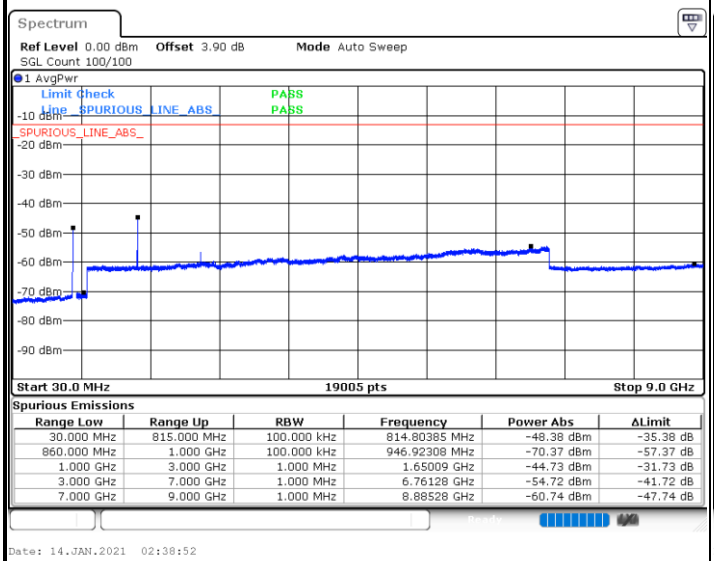
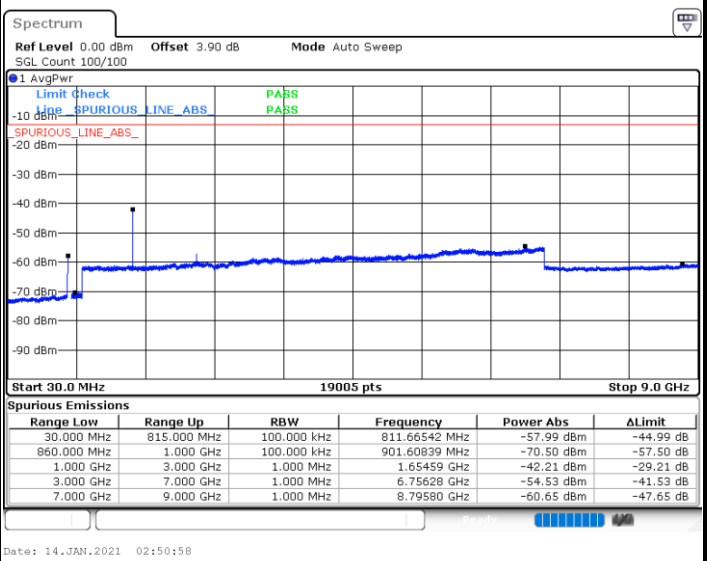
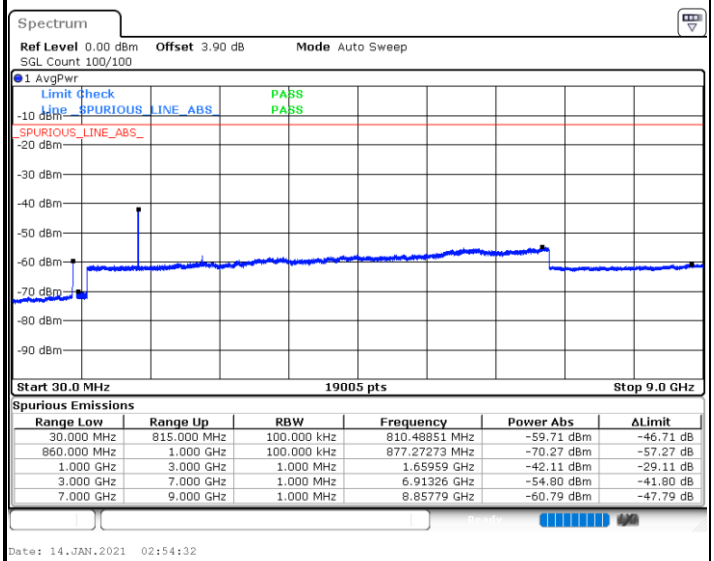
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-67.62 dBm	-54.62 dB
860.000 MHz	1.000 GHz	100.000 kHz	892.37762 MHz	-70.38 dBm	-57.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66408 GHz	-42.35 dBm	-29.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94676 GHz	-54.93 dBm	-41.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95976 GHz	-60.76 dBm	-47.76 dB

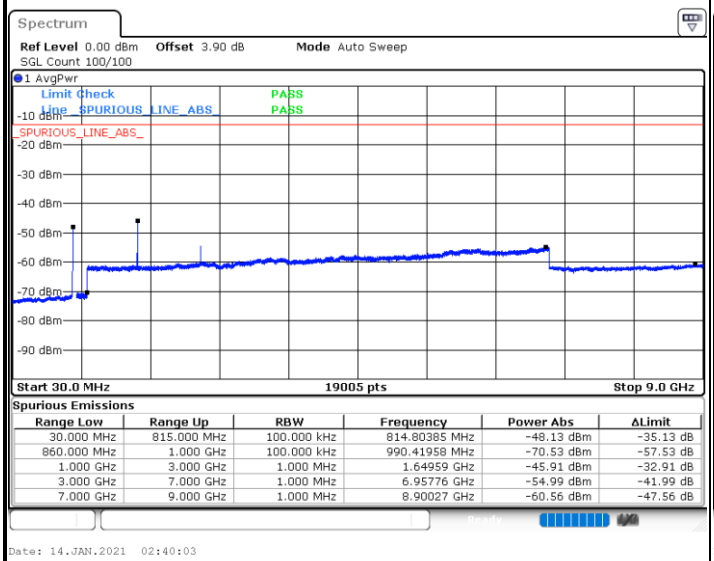
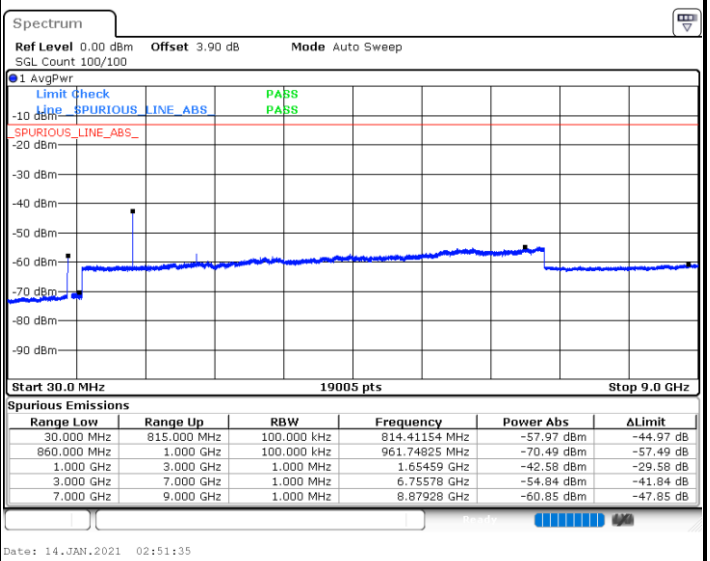
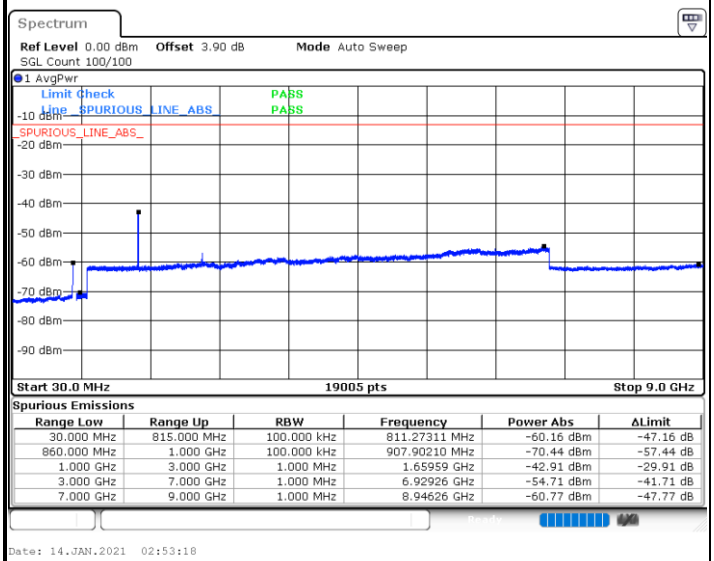
Date: 14.JAN.2021 04:09:05

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.70390 MHz	-70.92 dBm	-57.92 dB
860.000 MHz	1.000 GHz	100.000 kHz	893.35664 MHz	-70.29 dBm	-57.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67908 GHz	-42.02 dBm	-29.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-55.08 dBm	-42.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94826 GHz	-60.59 dBm	-47.59 dB

Date: 14.JAN.2021 04:23:51

FR1 n5+2A / 20MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB	**Middle Channel / 1RB**
	
Highest Channel / 1RB	
	

FR1 n5+2A / 20MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB	**Middle Channel / 1RB**
	
Highest Channel / 1RB	
	

Frequency Stability

Test Conditions		NR n5+2A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0035	
20	Battery End Point	0.0025	

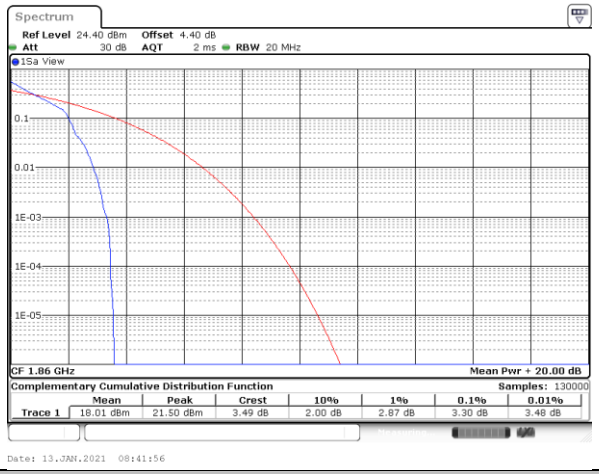
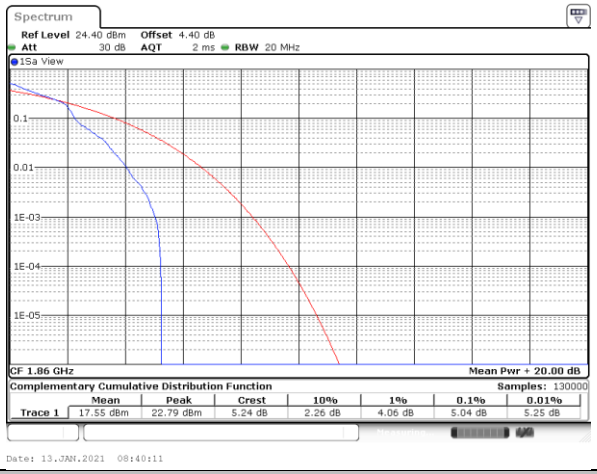
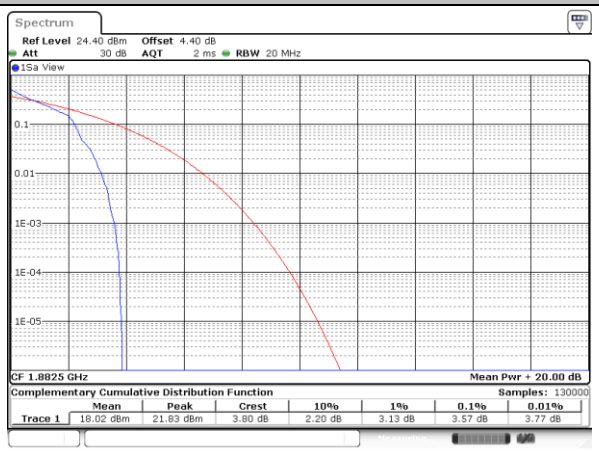
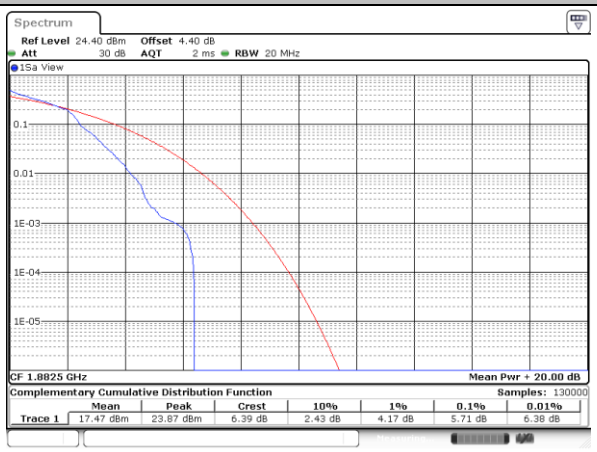
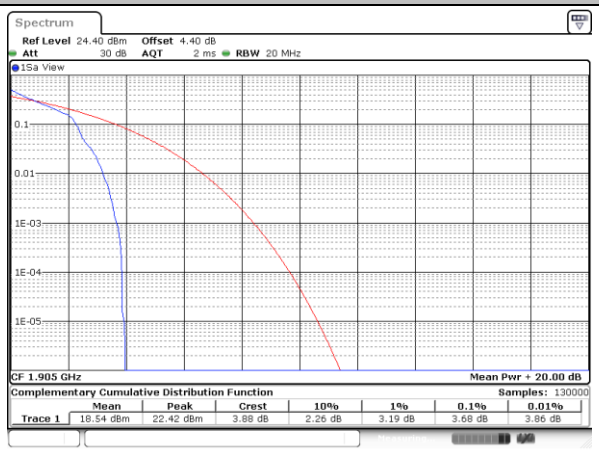
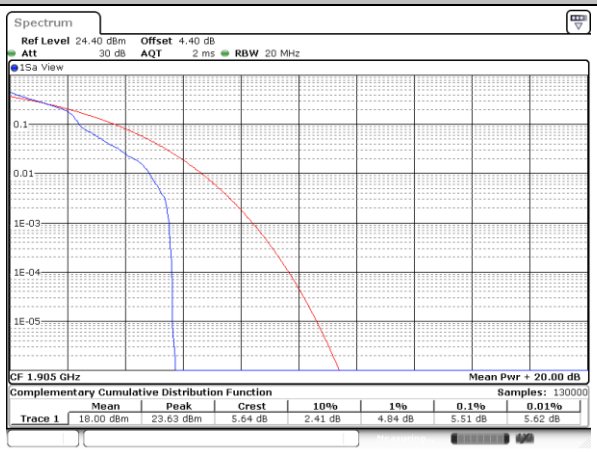
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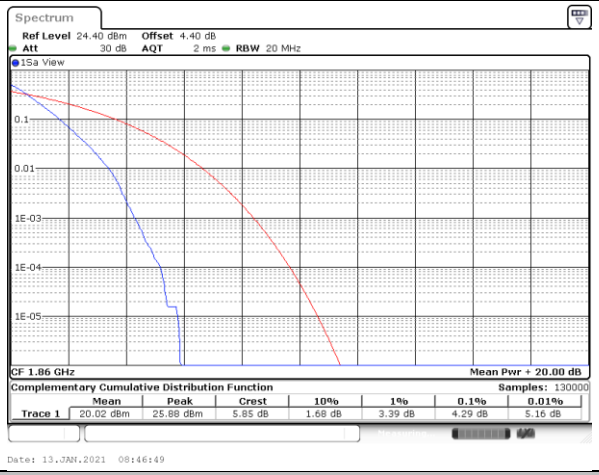
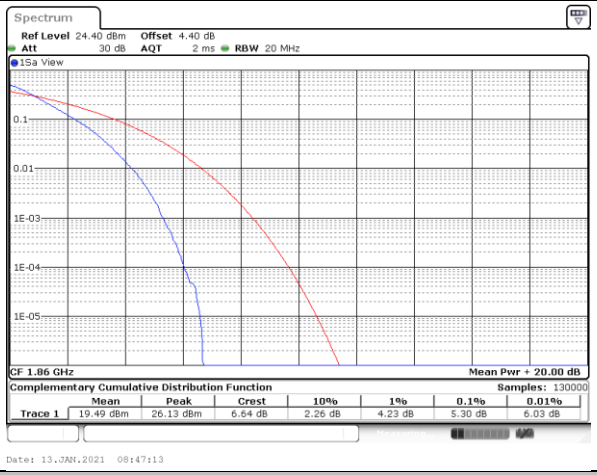
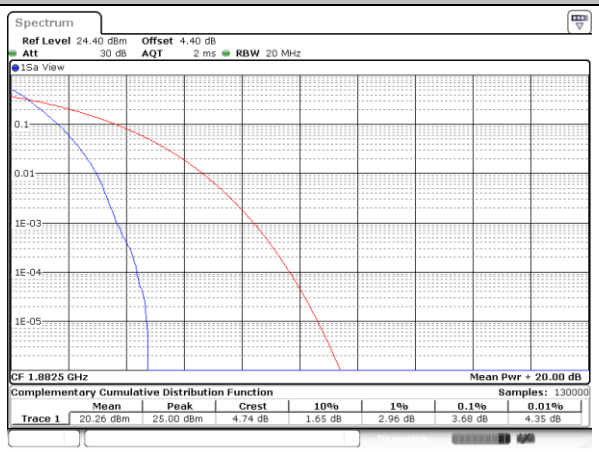
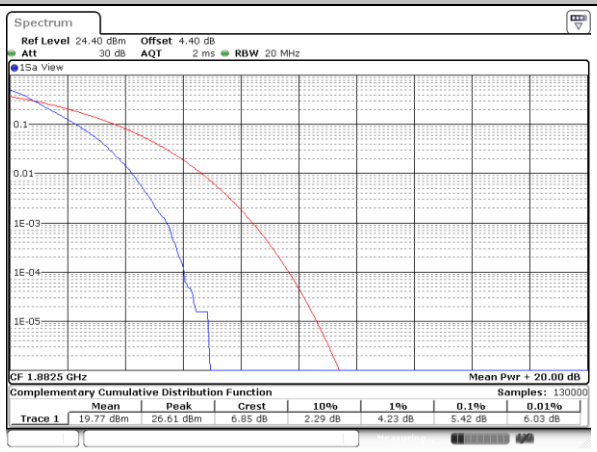
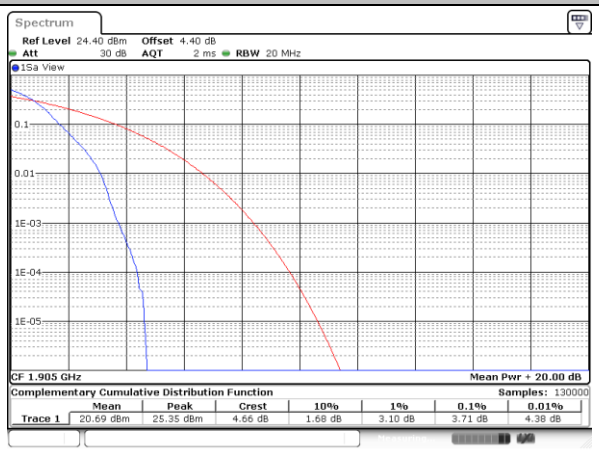
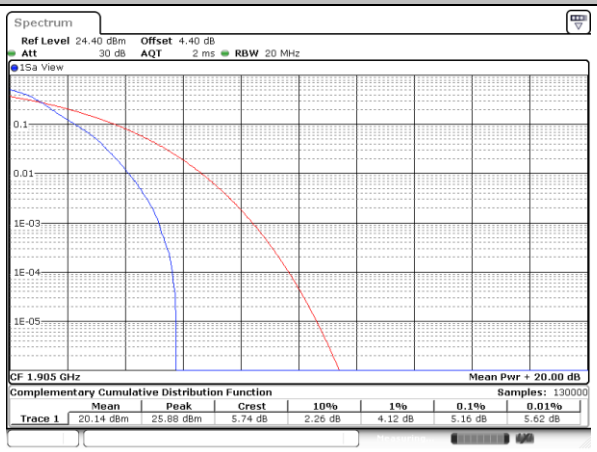
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

FR1 n25 SA

Peak-to-Average Ratio

Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.30	4.29	5.04	5.30	PASS
Middle CH	3.57	3.68	5.71	5.42	
Highest CH	3.68	3.71	5.51	5.16	

FR1 n25 / 20MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / 1RB	**Lowest Channel / 1RB**
	
Middle Channel / 1 RB	**Middle Channel / 1 RB**
	
Highest Channel / 1 RB	**Highest Channel / 1 RB**
	

FR1 n25 / 20MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / Full RB	**Lowest Channel / Full RB**
	
Middle Channel / Full RB	**Middle Channel / Full RB**
	
Highest Channel / Full RB	**Highest Channel / Full RB**
	

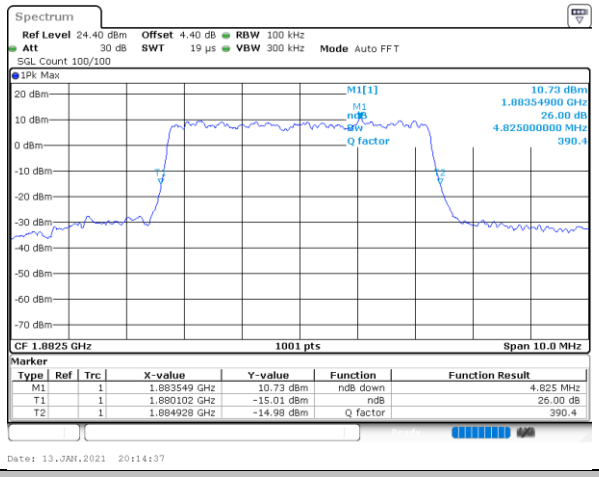
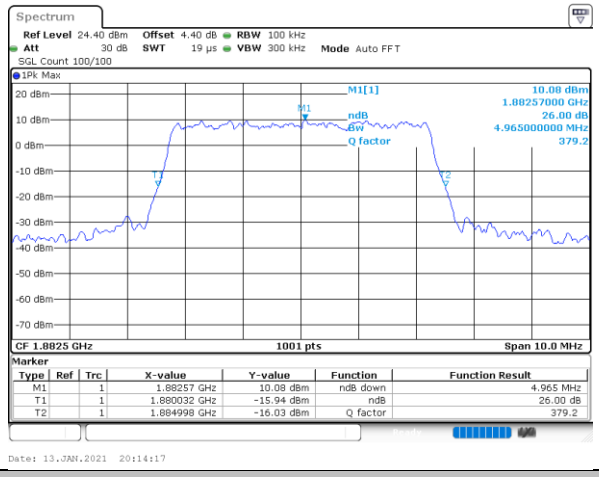
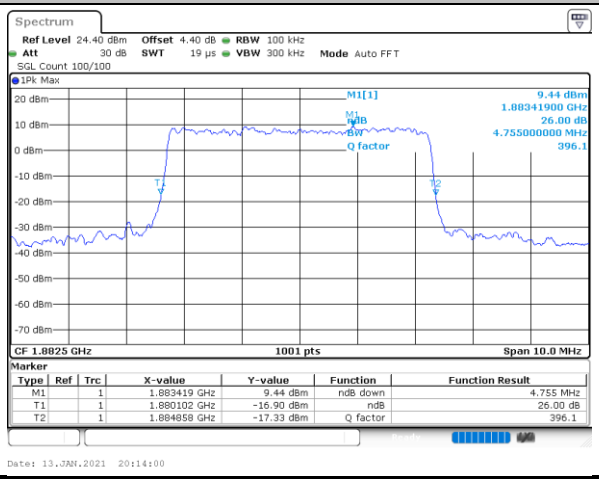
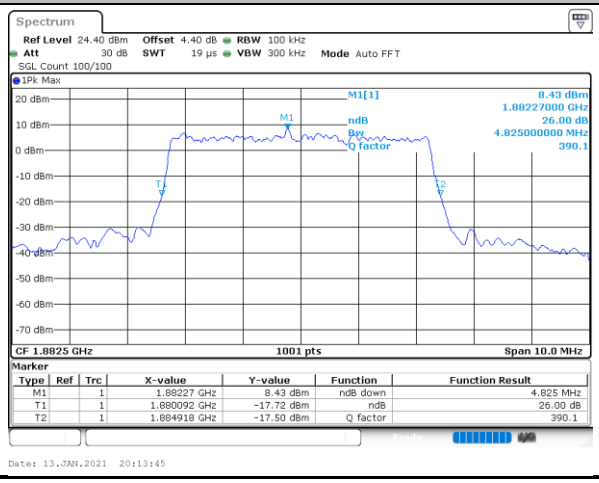
26dB Bandwidth

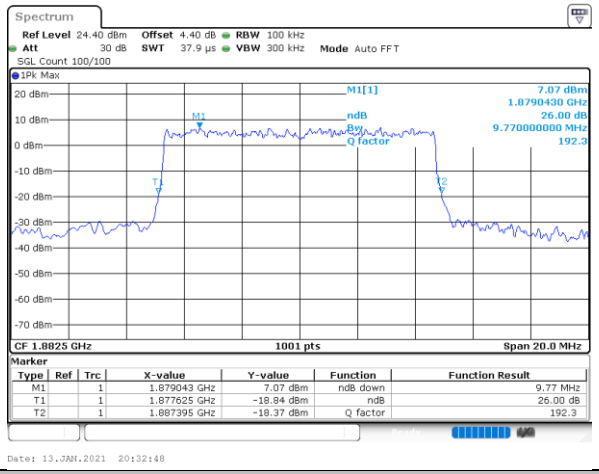
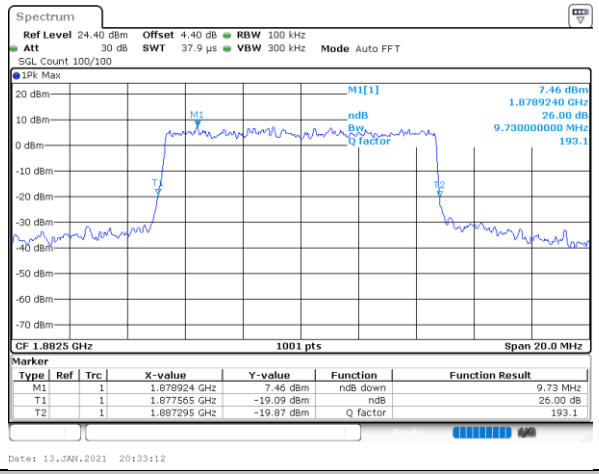
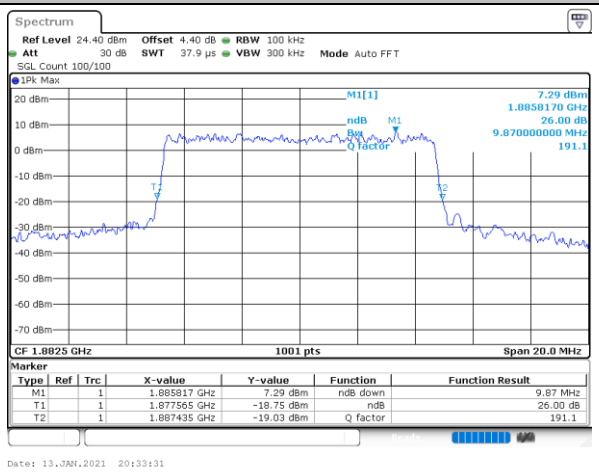
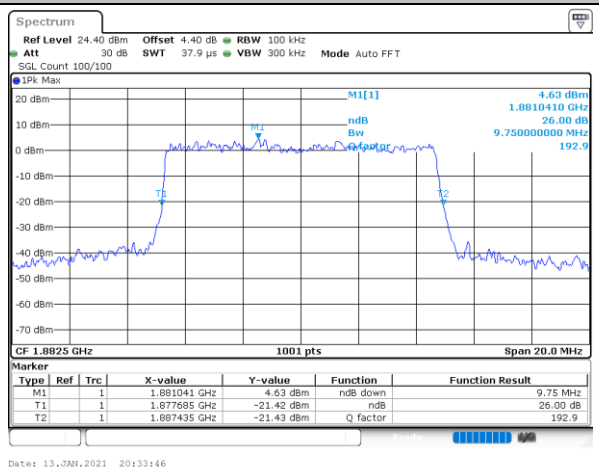
Mode	FR1 n25 : 26dB BW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.83	4.96	4.75	4.83				

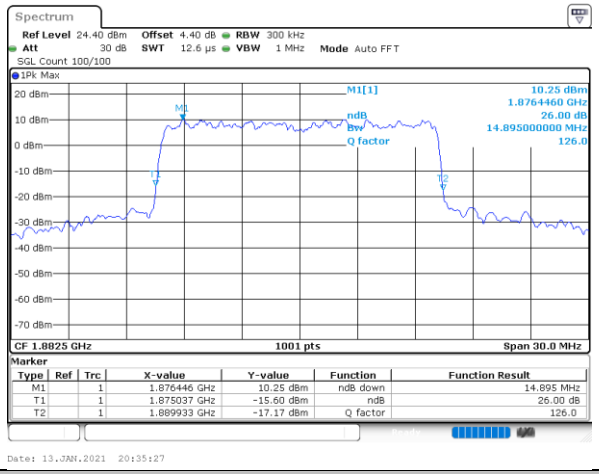
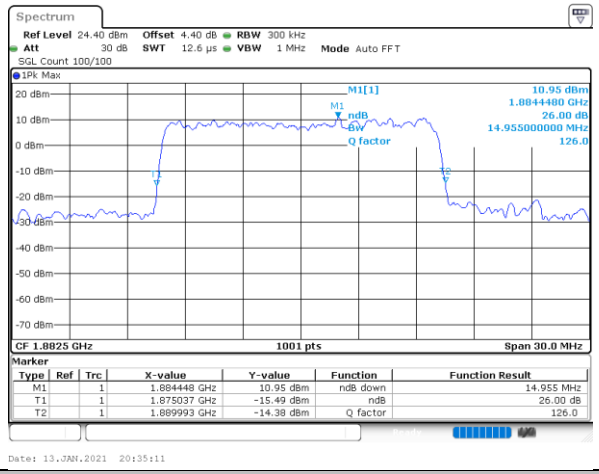
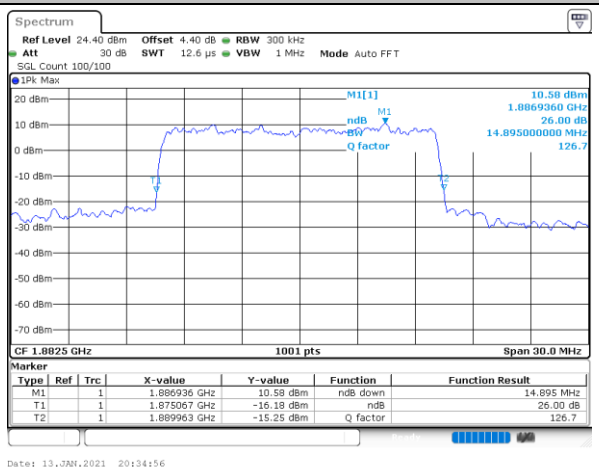
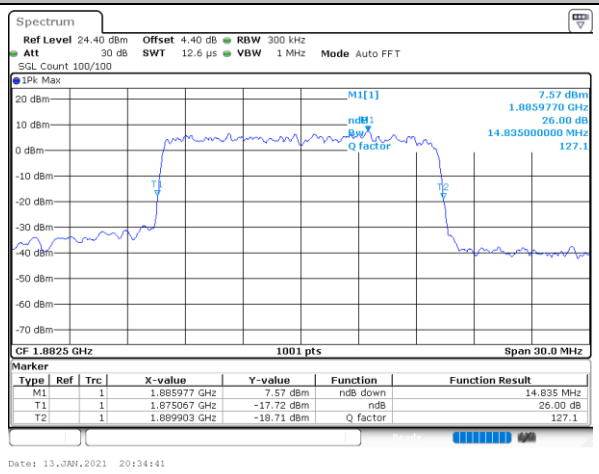
Mode	FR1 n25 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.77	9.73	9.87	9.75				

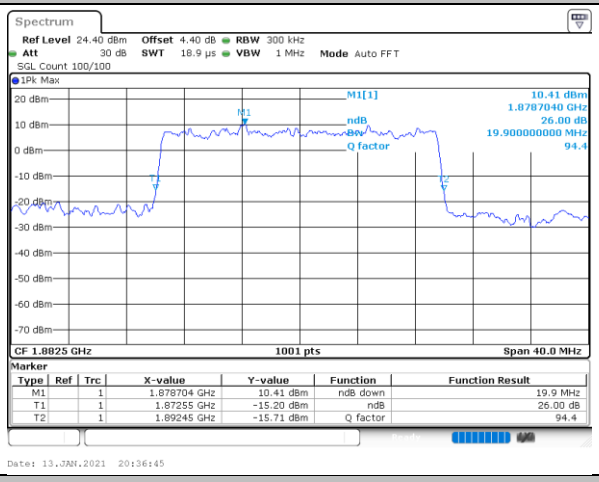
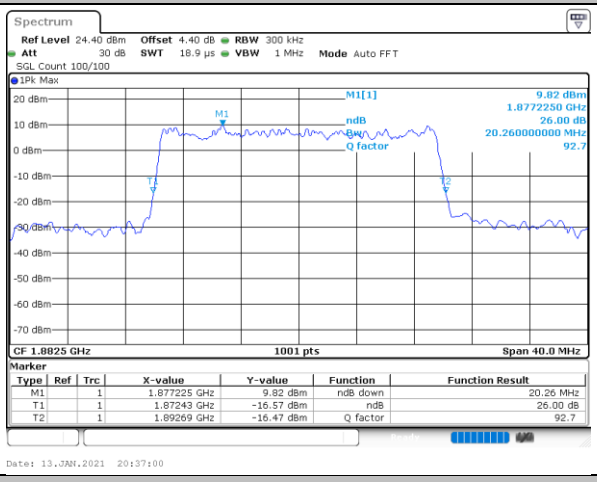
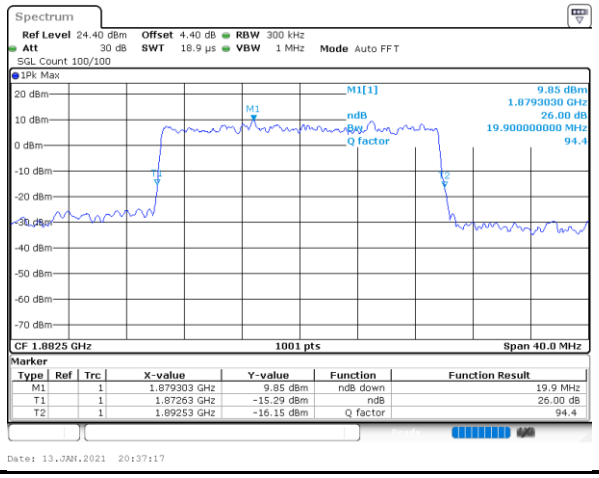
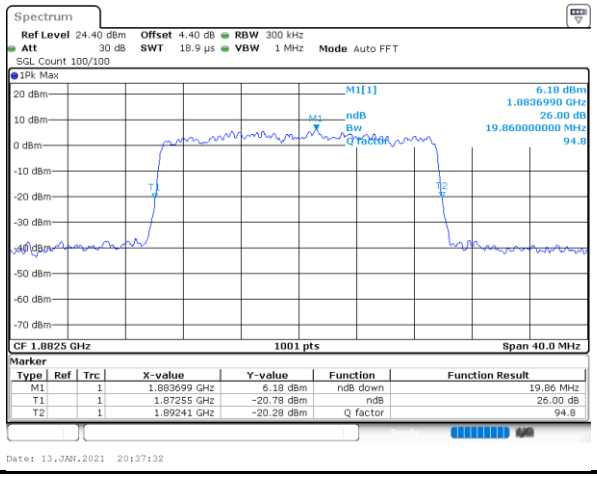
Mode	FR1 n25 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.89	14.96	14.89	14.84				

Mode	FR1 n25 : 26dB BW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	19.90	20.26	19.90	19.86				

FR1 n25 / 5MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n25 / 10MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n25 / 15MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n25 / 20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

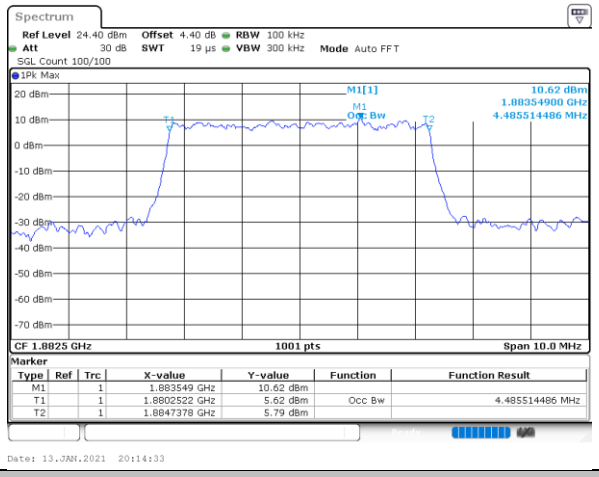
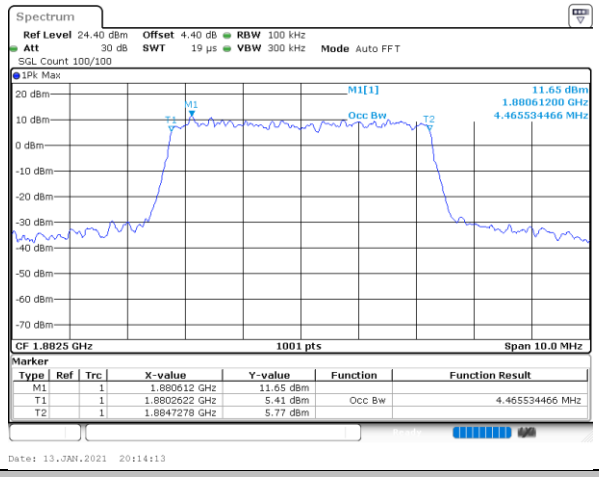
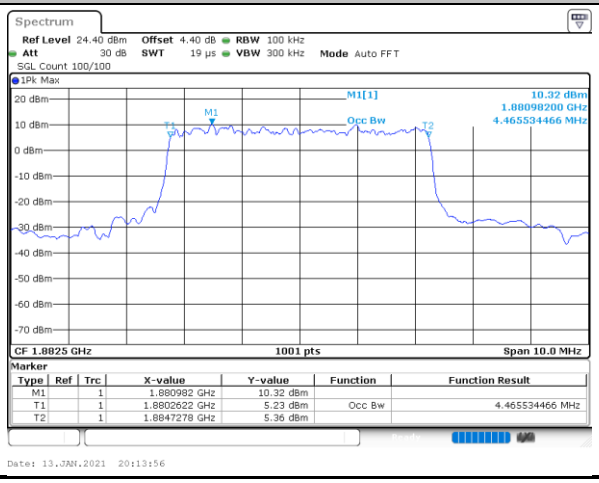
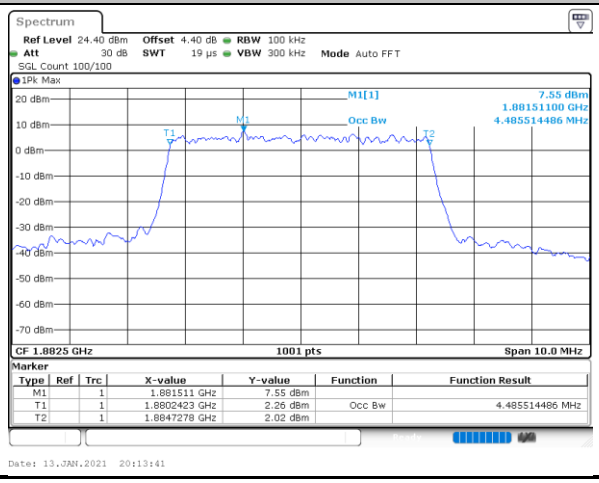
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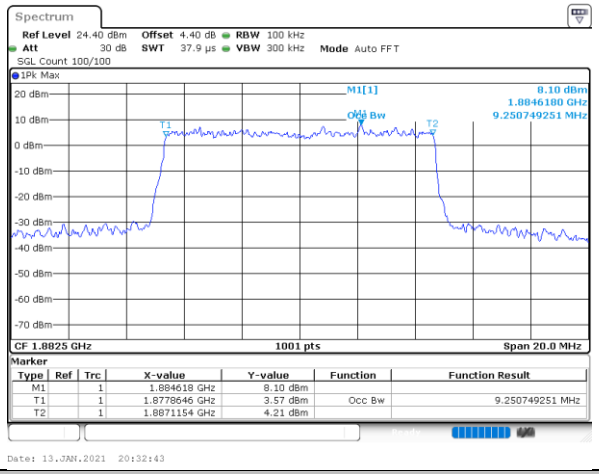
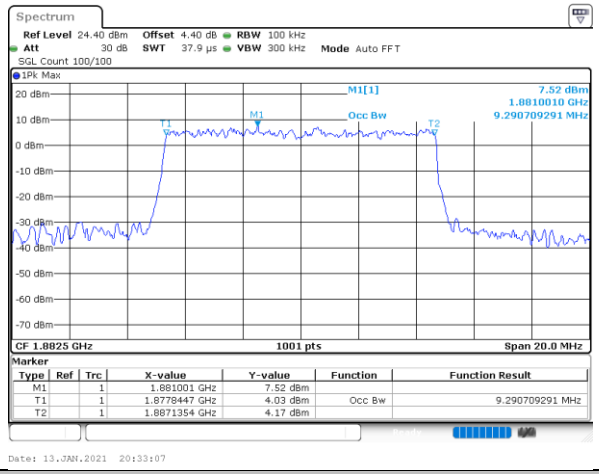
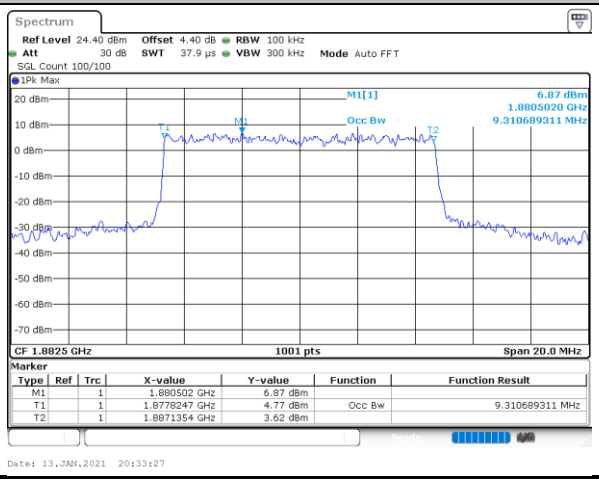
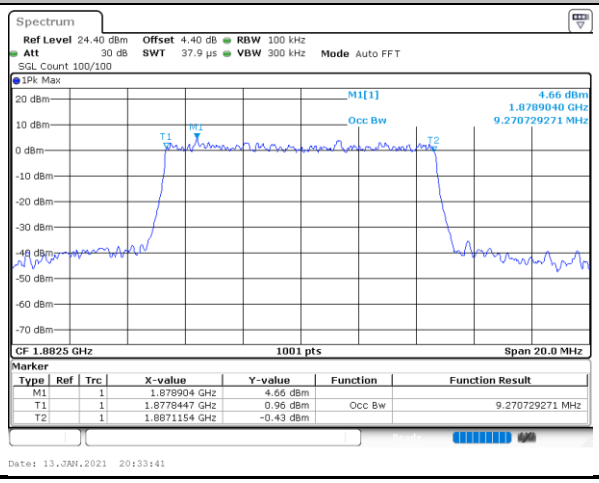
Mode	FR1 n25 : OBW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.49	4.47	4.47	4.49				

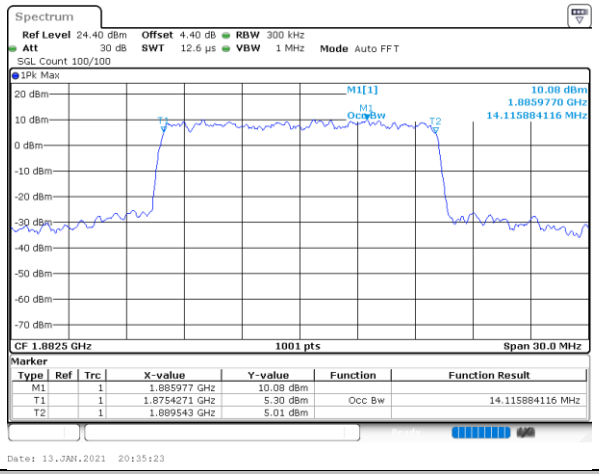
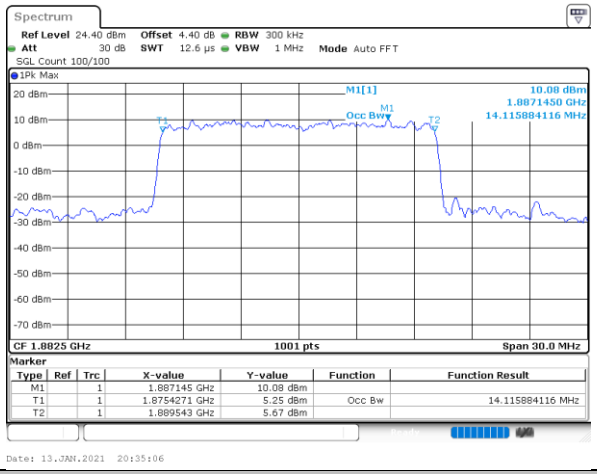
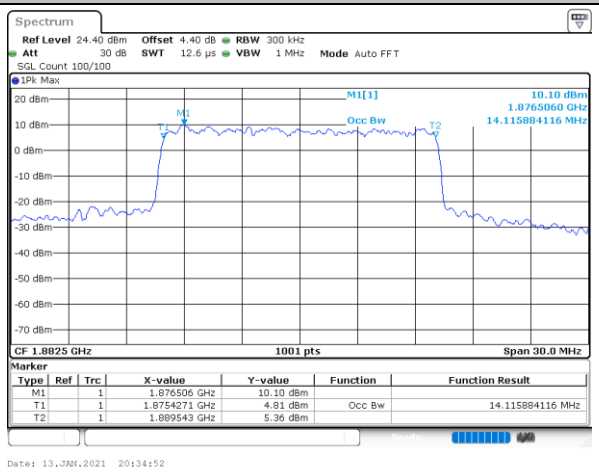
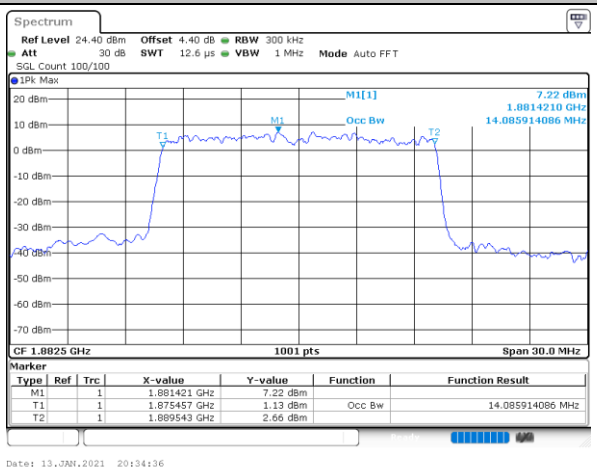
Mode	FR1 n25 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.25	9.29	9.31	9.27				

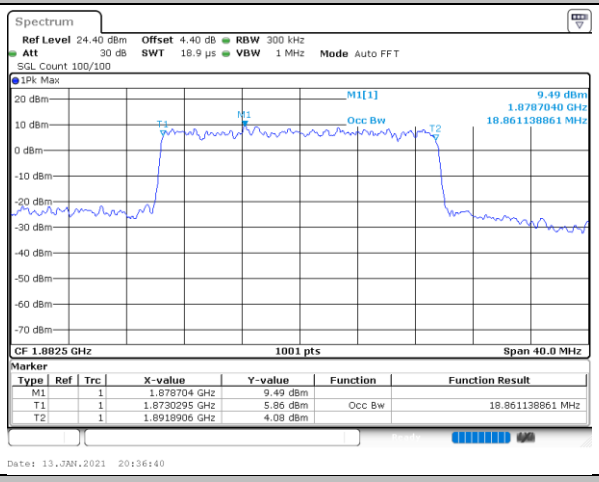
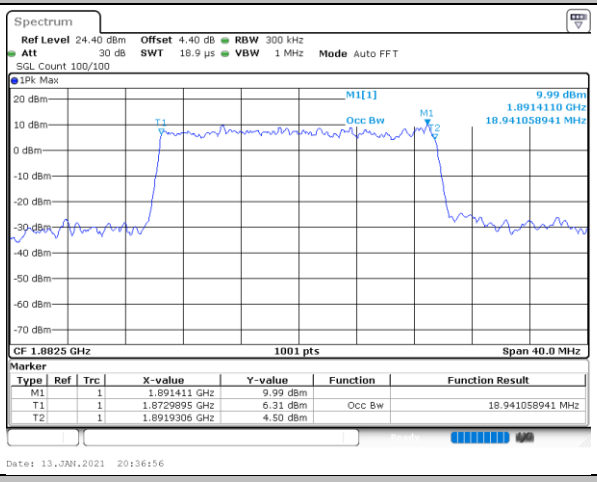
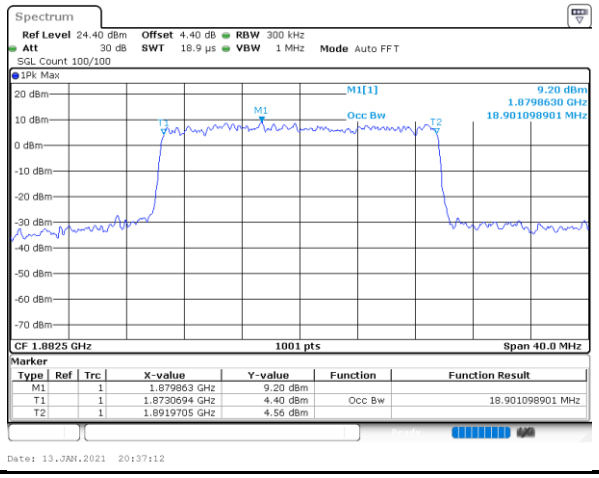
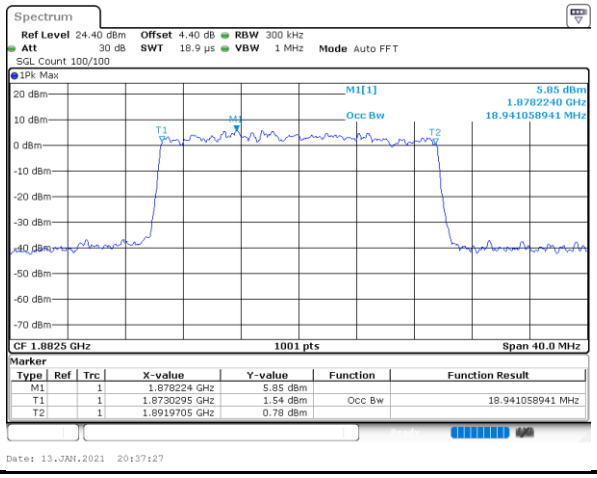
Mode	FR1 n25 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.12	14.12	14.12	14.09				

Mode	FR1 n25 : OBW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	18.86	18.94	18.90	18.94				

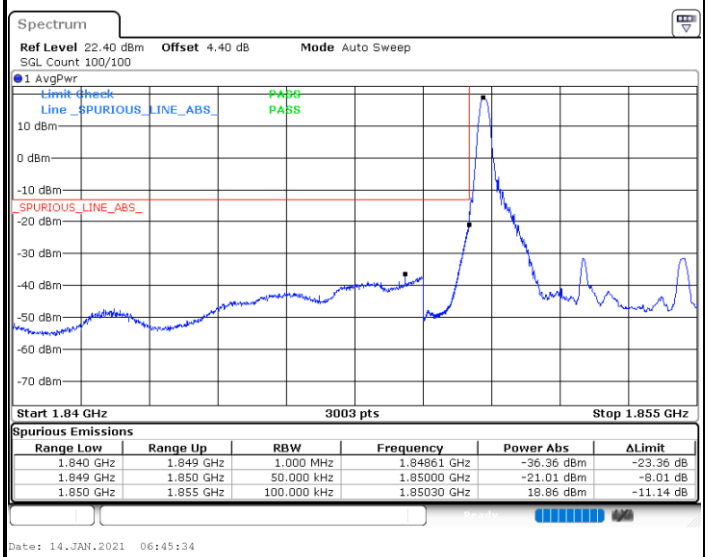
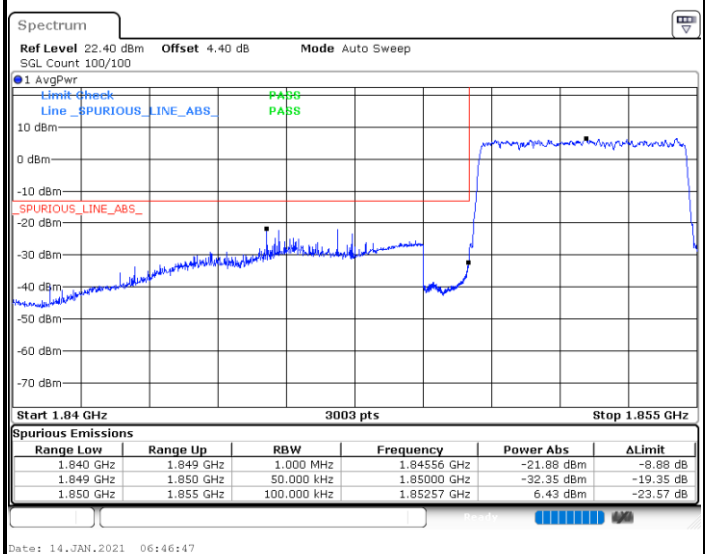
FR1 n25 / 5MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

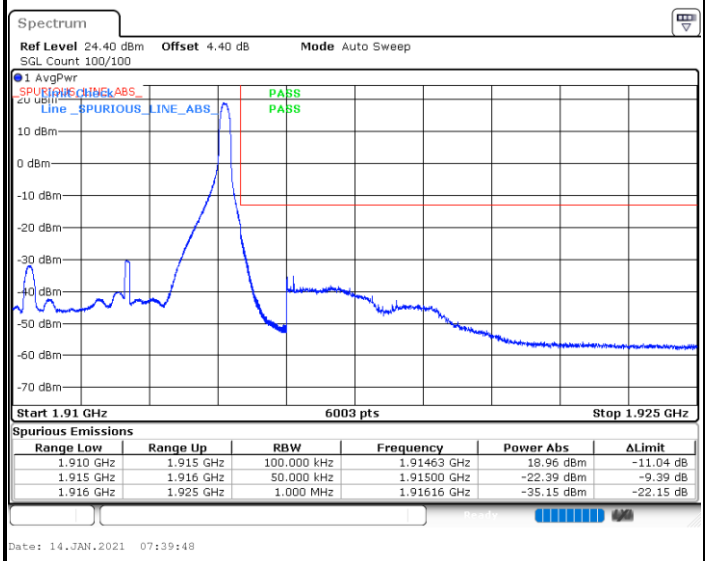
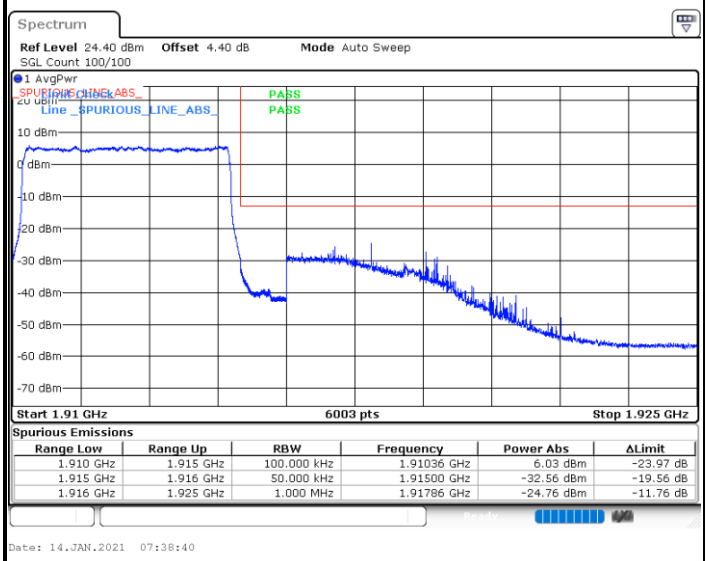
FR1 n25 / 10MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

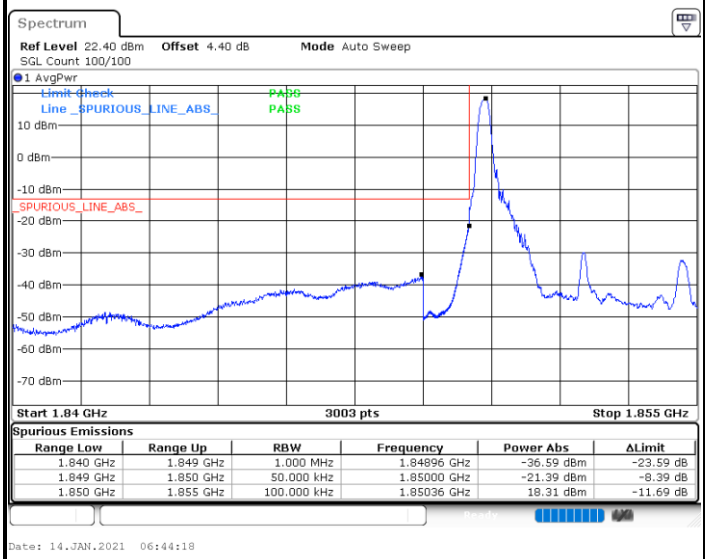
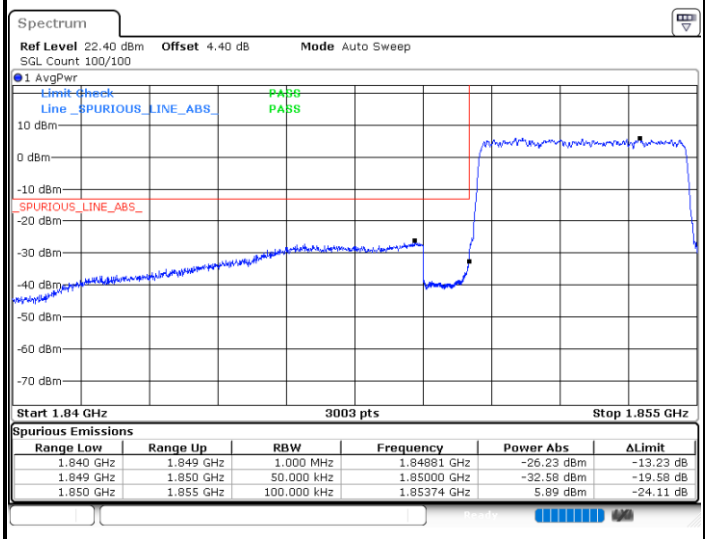
FR1 n25 / 15MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

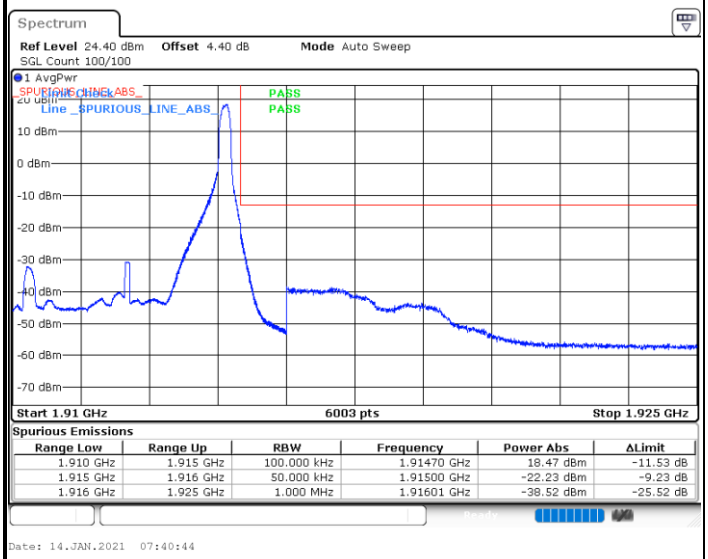
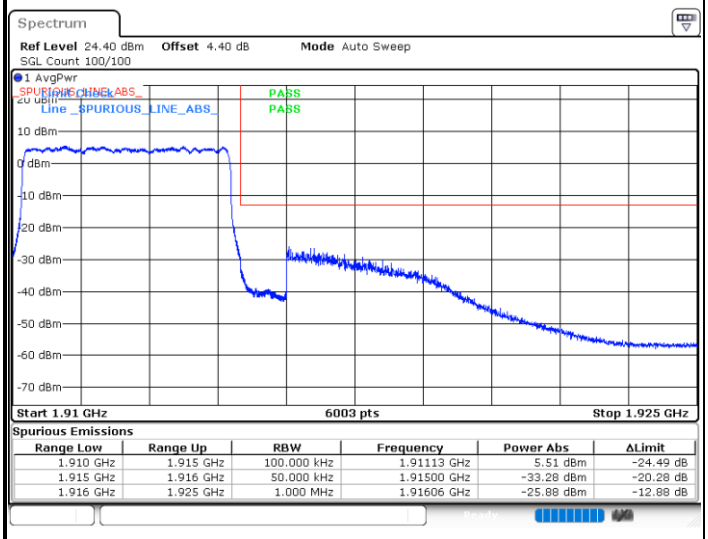
FR1 n25 / 20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

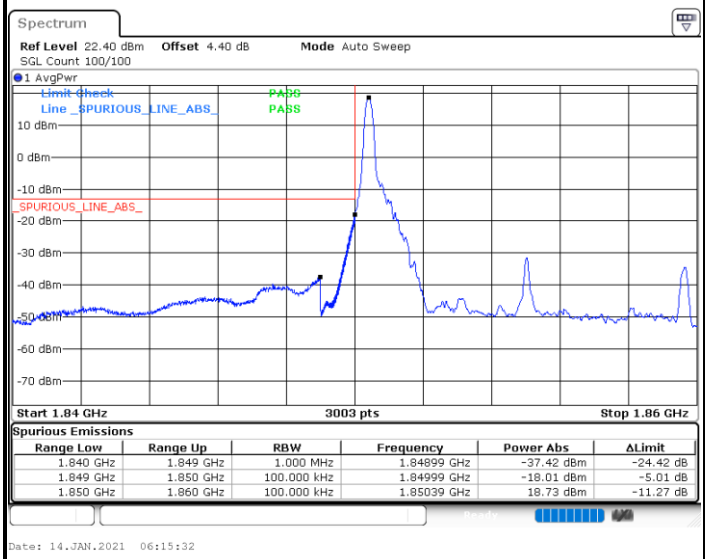
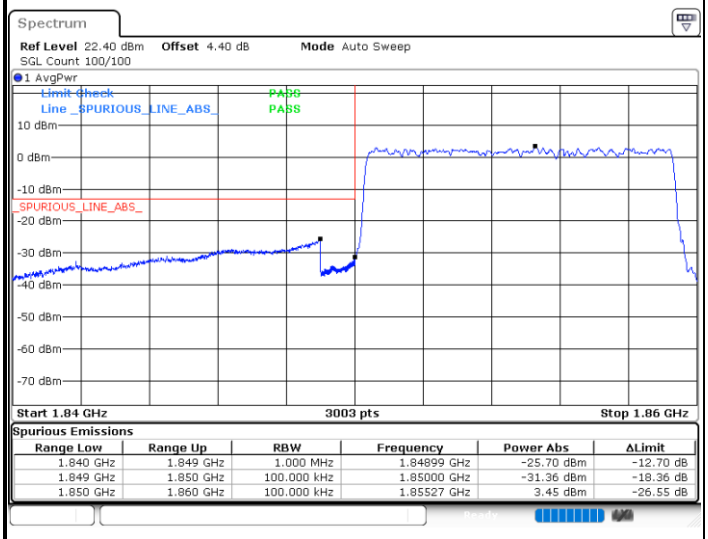
Conducted Band Edge

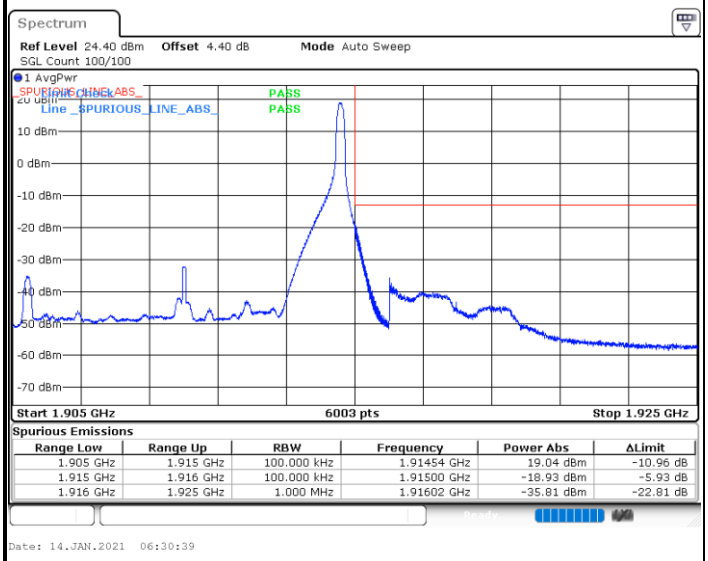
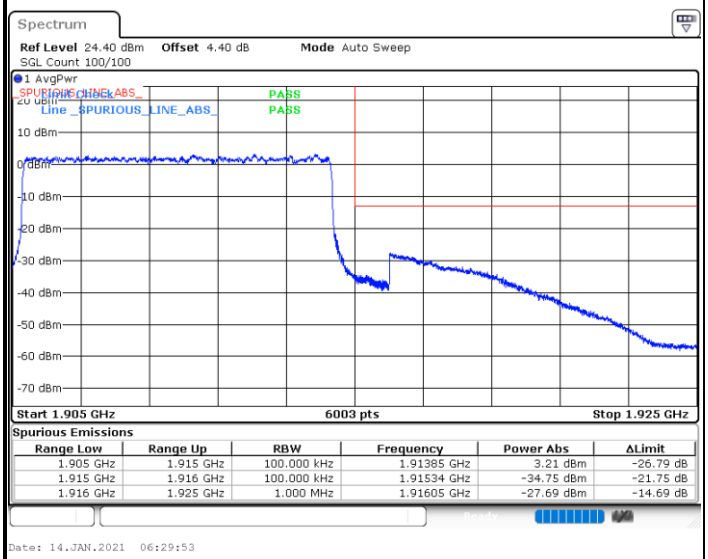
FR1 n25 / 5MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

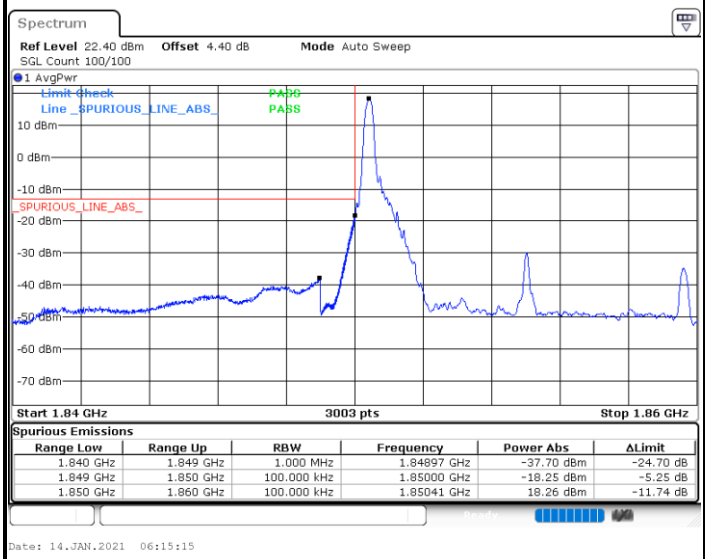
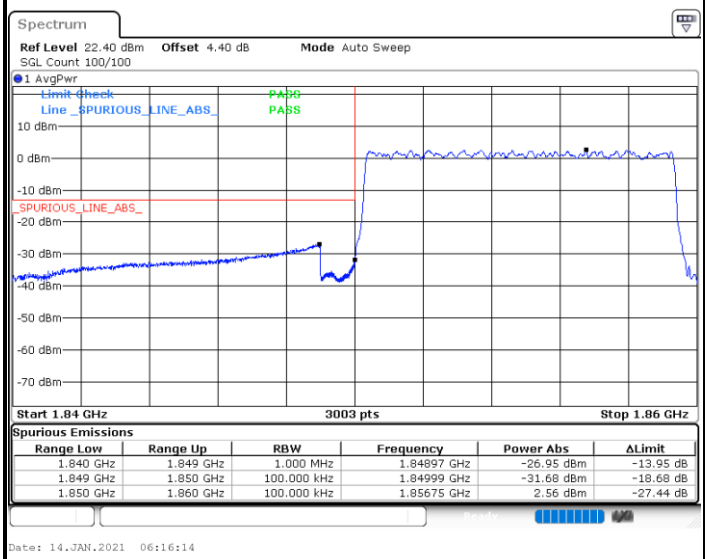
FR1 n25 / 5MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

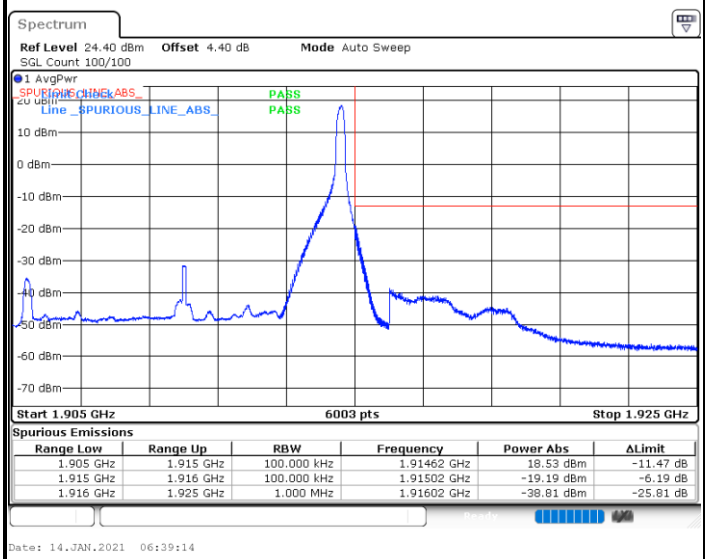
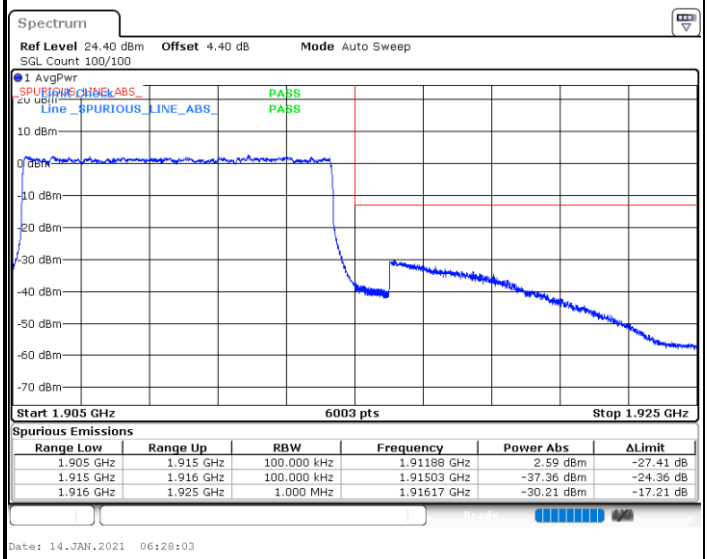
FR1 n25 / 5MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

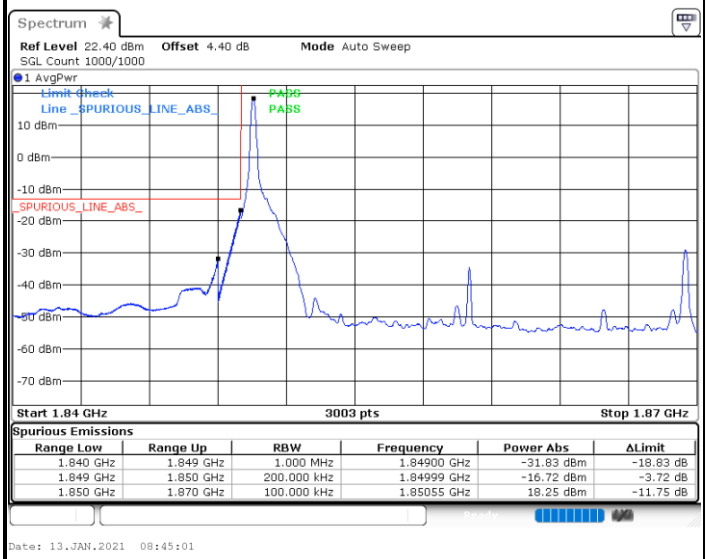
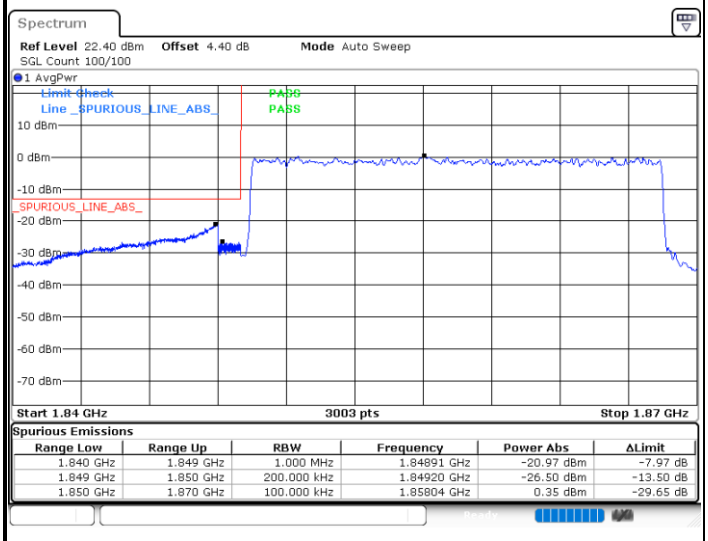
FR1 n25 / 5MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

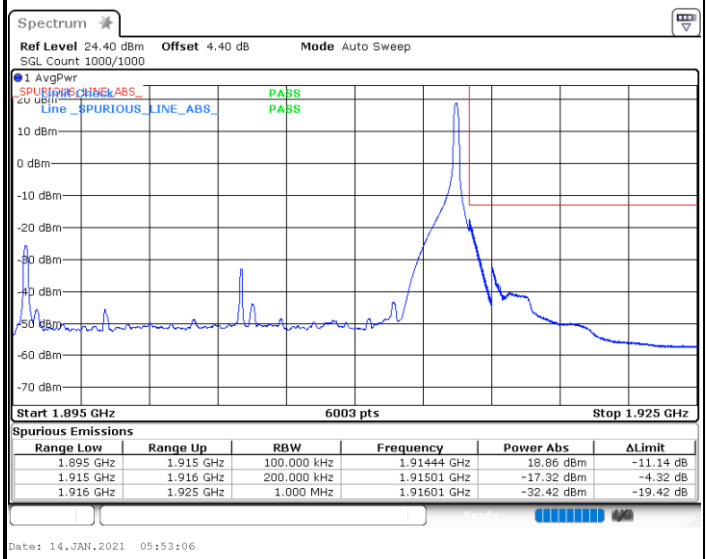
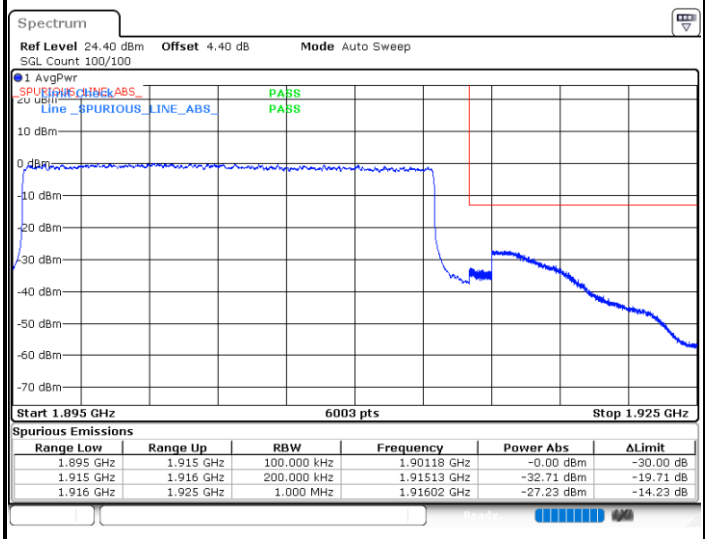
FR1 n25 / 10MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

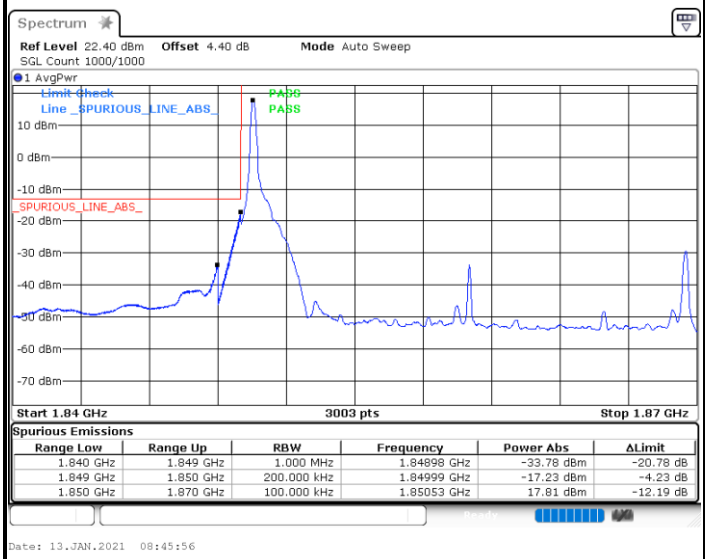
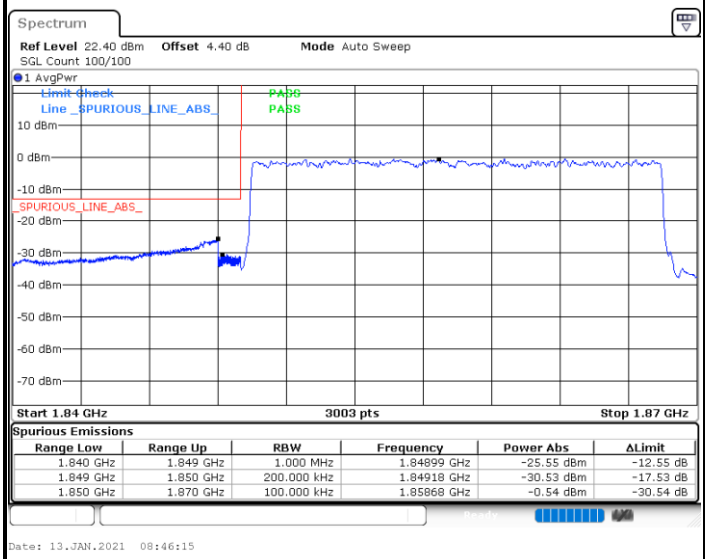
FR1 n25 / 10MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

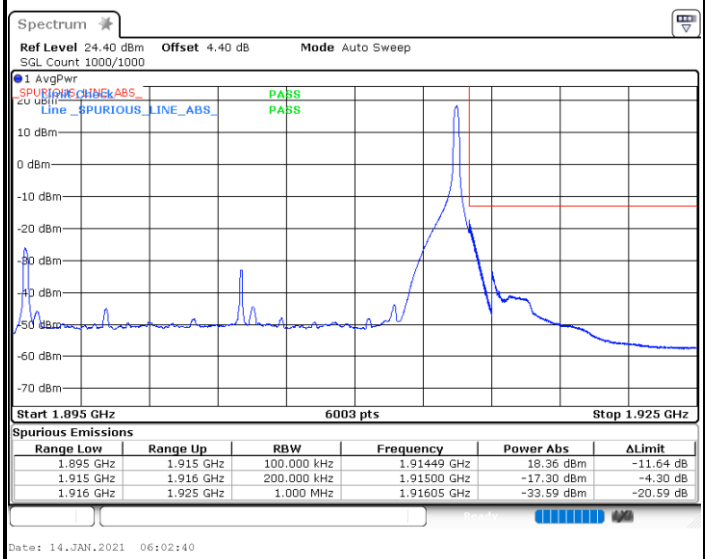
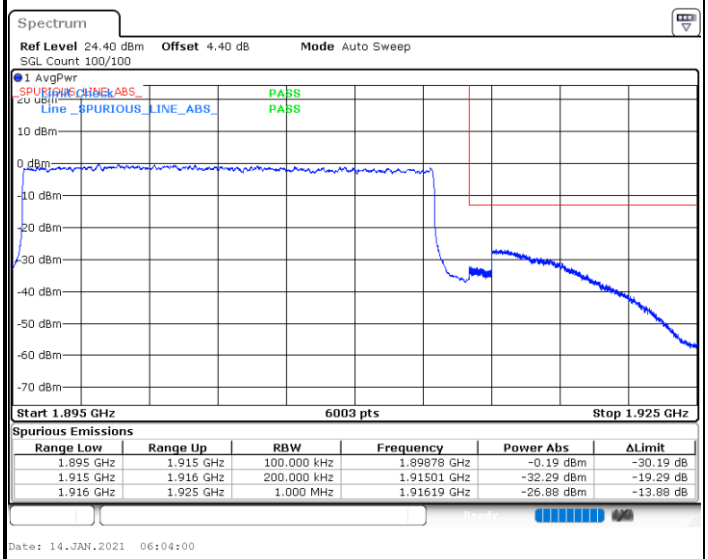
FR1 n25 / 10MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n25 / 10MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n25 / 20MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n25 / 20MHz / DFT-S OFDM BPSK	
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Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

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