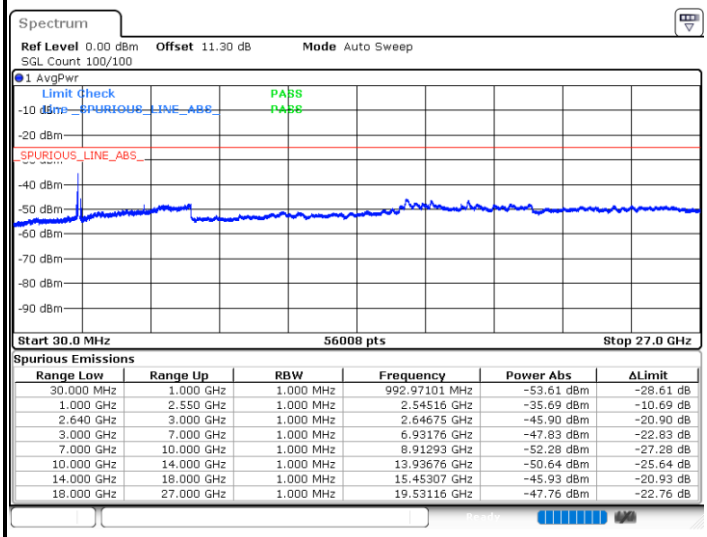
FR1 n38 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

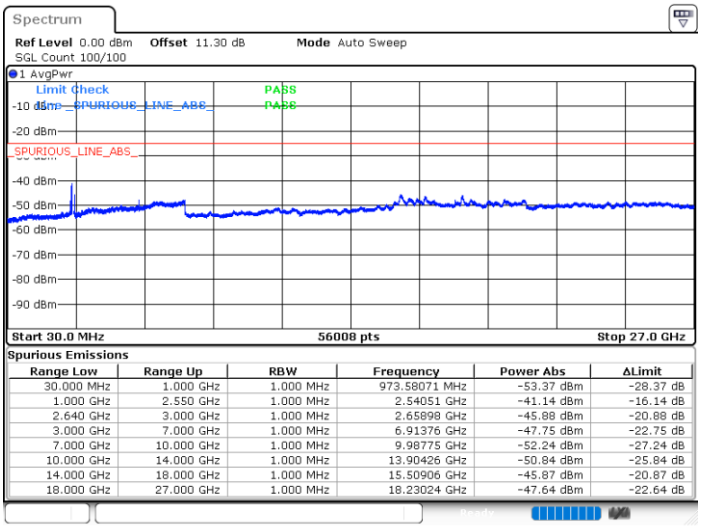


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-53.61 dBm	-28.61 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54516 GHz	-35.69 dBm	-10.69 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64675 GHz	-45.90 dBm	-20.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93176 GHz	-47.83 dBm	-22.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91293 GHz	-52.28 dBm	-27.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93676 GHz	-50.64 dBm	-25.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.45307 GHz	-45.93 dBm	-20.93 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.53116 GHz	-47.76 dBm	-22.76 dB

Date: 21.JAN.2021 07:52:36

Middle Channel / 1RB

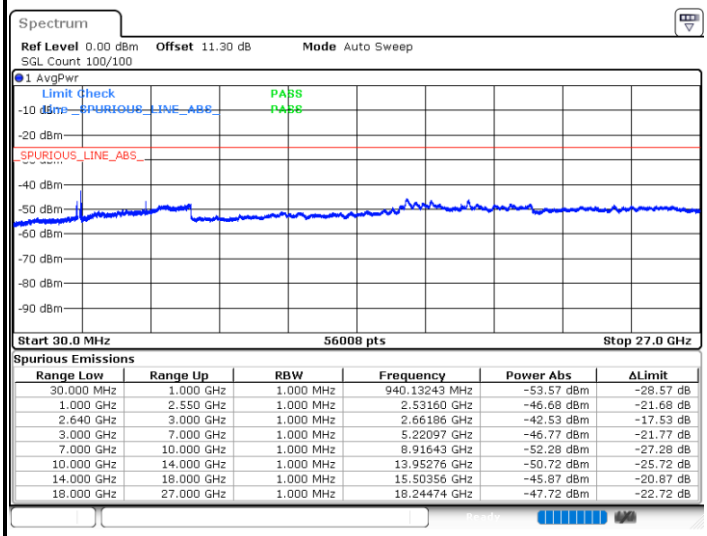


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-53.37 dBm	-28.37 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54051 GHz	-41.14 dBm	-16.14 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.65898 GHz	-45.88 dBm	-20.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91376 GHz	-47.75 dBm	-22.75 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98775 GHz	-52.24 dBm	-27.24 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90426 GHz	-50.84 dBm	-25.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50906 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.23024 GHz	-47.64 dBm	-22.64 dB

Date: 21.JAN.2021 06:19:41

Highest Channel / 1RB



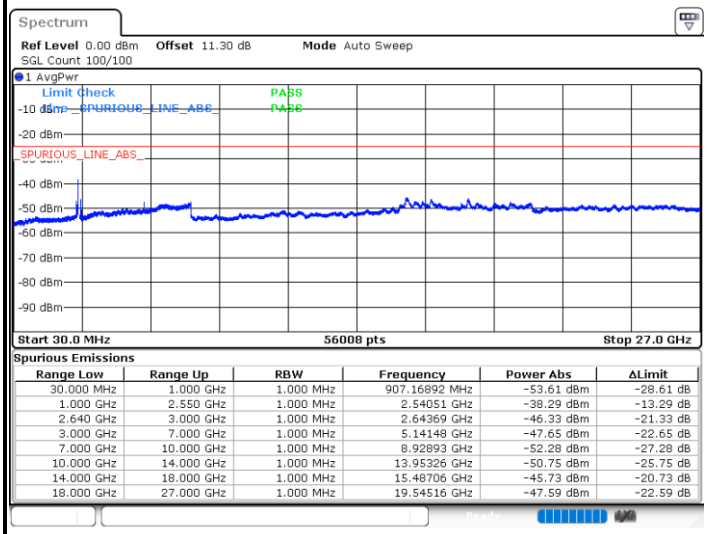
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-53.57 dBm	-28.57 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53160 GHz	-46.68 dBm	-21.68 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.66186 GHz	-42.53 dBm	-17.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.22097 GHz	-46.77 dBm	-21.77 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91643 GHz	-52.28 dBm	-27.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95276 GHz	-50.72 dBm	-25.72 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50356 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24474 GHz	-47.72 dBm	-22.72 dB

Date: 21.JAN.2021 06:30:04

FR1 n38 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

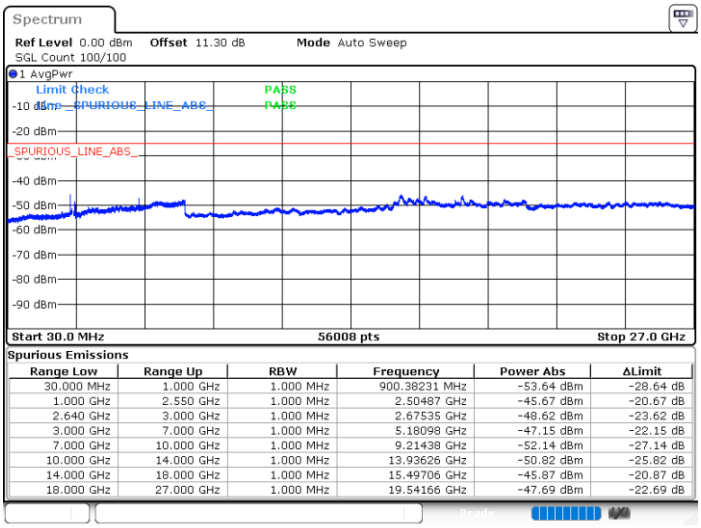


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-53.61 dBm	-28.61 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54051 GHz	-38.29 dBm	-13.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64369 GHz	-46.33 dBm	-21.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.14148 GHz	-47.65 dBm	-22.65 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92893 GHz	-52.28 dBm	-27.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95326 GHz	-50.75 dBm	-25.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.48706 GHz	-45.73 dBm	-20.73 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54516 GHz	-47.59 dBm	-22.59 dB

Date: 21.JAN.2021 07:51:38

Middle Channel / 1RB

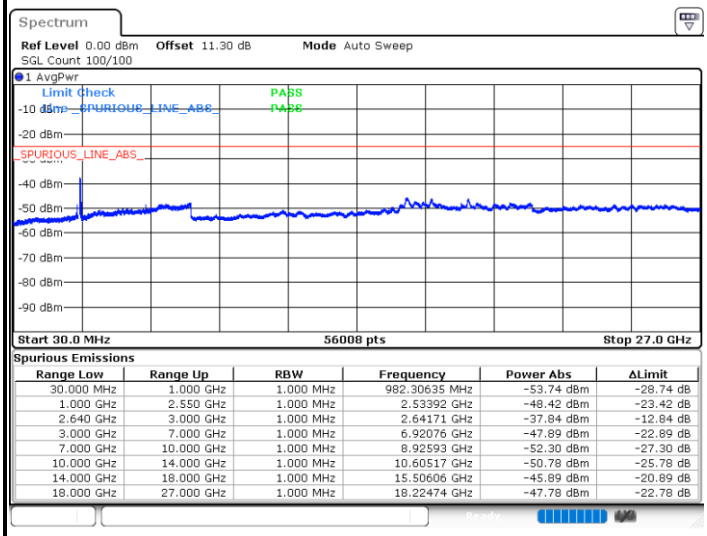


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.38231 MHz	-53.64 dBm	-28.64 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50487 GHz	-45.67 dBm	-20.67 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.67535 GHz	-48.62 dBm	-23.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.18098 GHz	-47.15 dBm	-22.15 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.21438 GHz	-52.14 dBm	-27.14 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93626 GHz	-50.82 dBm	-25.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49706 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54166 GHz	-47.69 dBm	-22.69 dB

Date: 21.JAN.2021 06:18:06

Highest Channel / 1RB



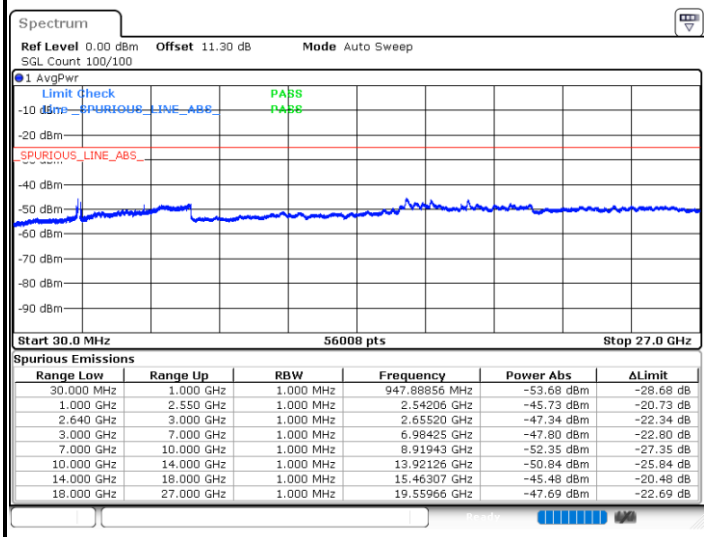
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-53.74 dBm	-28.74 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53392 GHz	-48.42 dBm	-23.42 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64171 GHz	-37.84 dBm	-12.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92076 GHz	-47.89 dBm	-22.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92593 GHz	-52.30 dBm	-27.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.60517 GHz	-50.78 dBm	-25.78 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50606 GHz	-45.89 dBm	-20.89 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.22474 GHz	-47.78 dBm	-22.78 dB

Date: 21.JAN.2021 06:31:01

FR1 n38 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

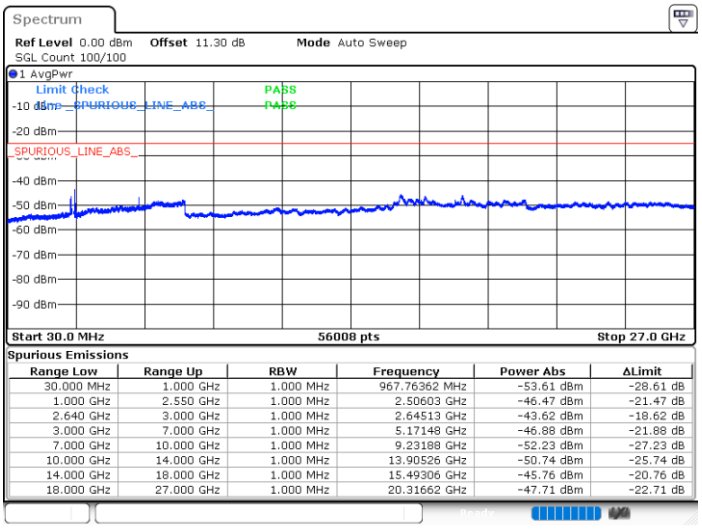


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-53.68 dBm	-28.68 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54206 GHz	-45.73 dBm	-20.73 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.65520 GHz	-47.34 dBm	-22.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-47.80 dBm	-22.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91943 GHz	-52.35 dBm	-27.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.92126 GHz	-50.84 dBm	-25.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.46307 GHz	-45.48 dBm	-20.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.55966 GHz	-47.69 dBm	-22.69 dB

Date: 21.JAN.2021 05:53:13

Middle Channel / 1RB

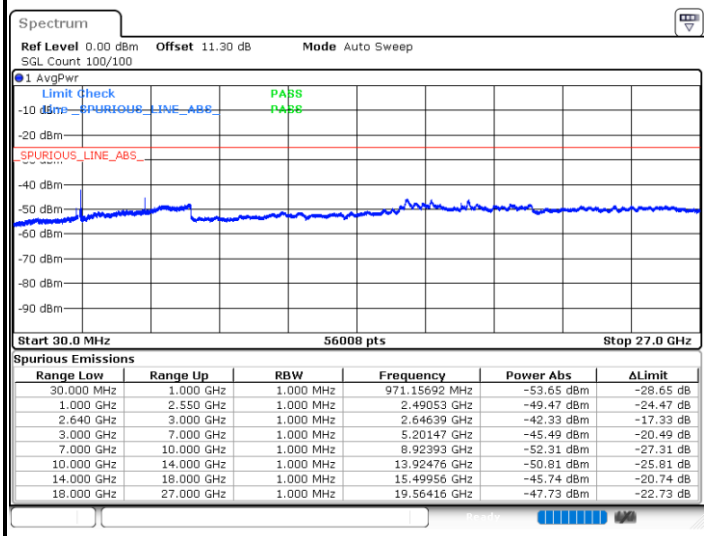


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-53.61 dBm	-28.61 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50603 GHz	-46.47 dBm	-21.47 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64513 GHz	-43.62 dBm	-18.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17148 GHz	-46.88 dBm	-21.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.23188 GHz	-52.23 dBm	-27.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90526 GHz	-50.74 dBm	-25.74 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49306 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.31662 GHz	-47.71 dBm	-22.71 dB

Date: 21.JAN.2021 05:50:17

Highest Channel / 1RB



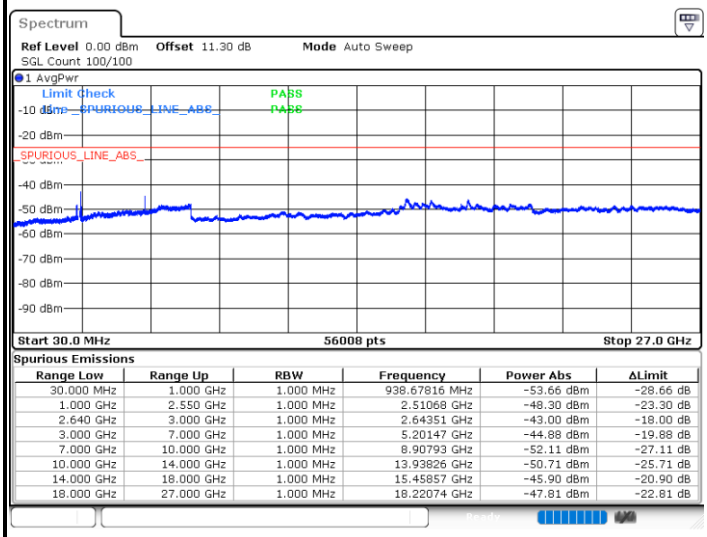
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-53.65 dBm	-28.65 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49053 GHz	-49.47 dBm	-24.47 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64639 GHz	-42.33 dBm	-17.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.20147 GHz	-45.49 dBm	-20.49 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92393 GHz	-52.31 dBm	-27.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.92476 GHz	-50.81 dBm	-25.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.49956 GHz	-45.74 dBm	-20.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.56416 GHz	-47.73 dBm	-22.73 dB

Date: 21.JAN.2021 06:04:54

FR1 n38 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

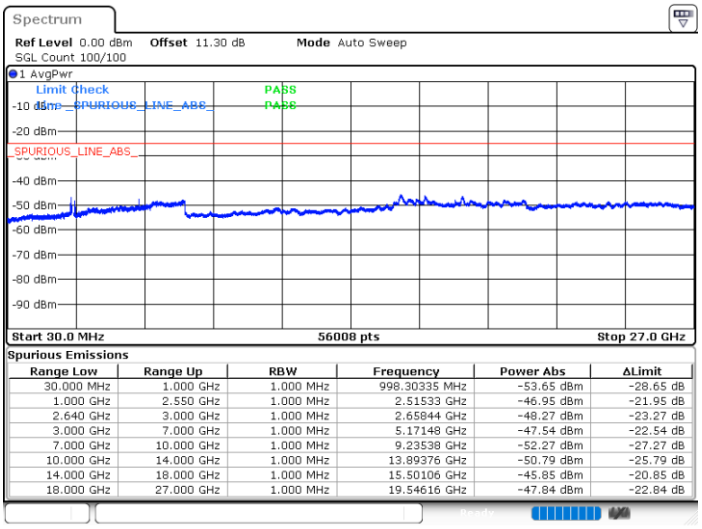


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-53.66 dBm	-28.66 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51068 GHz	-48.30 dBm	-23.30 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64351 GHz	-43.00 dBm	-18.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.20147 GHz	-44.88 dBm	-19.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90793 GHz	-52.11 dBm	-27.11 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93826 GHz	-50.71 dBm	-25.71 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.45857 GHz	-45.90 dBm	-20.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.22074 GHz	-47.81 dBm	-22.81 dB

Date: 21.JAN.2021 06:08:31

Middle Channel / 1RB

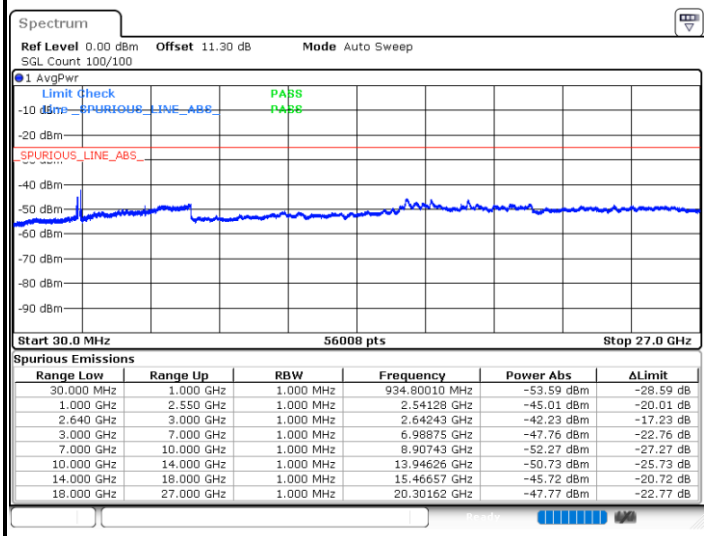


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-53.65 dBm	-28.65 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51533 GHz	-46.95 dBm	-21.95 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.65844 GHz	-48.27 dBm	-23.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17148 GHz	-47.54 dBm	-22.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.23538 GHz	-52.27 dBm	-27.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89376 GHz	-50.79 dBm	-25.79 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.50106 GHz	-45.85 dBm	-20.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.54616 GHz	-47.84 dBm	-22.84 dB

Date: 21.JAN.2021 05:40:47

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-53.59 dBm	-28.59 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54128 GHz	-45.01 dBm	-20.01 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64243 GHz	-42.23 dBm	-17.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-47.76 dBm	-22.76 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90743 GHz	-52.27 dBm	-27.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94626 GHz	-50.73 dBm	-25.73 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.46657 GHz	-45.72 dBm	-20.72 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.30162 GHz	-47.77 dBm	-22.77 dB

Date: 21.JAN.2021 06:09:47

Frequency Stability

Test Conditions		NR n38 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0004	

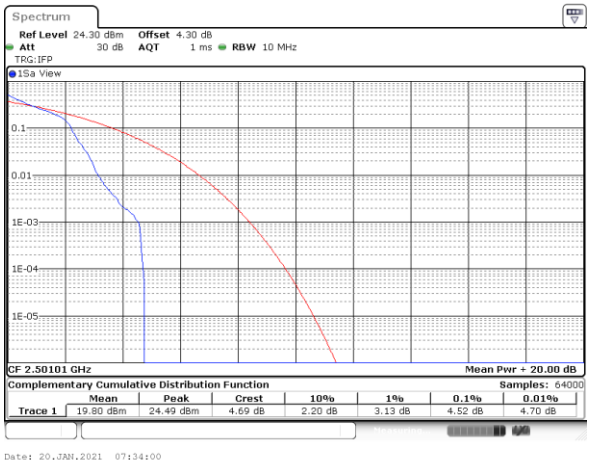
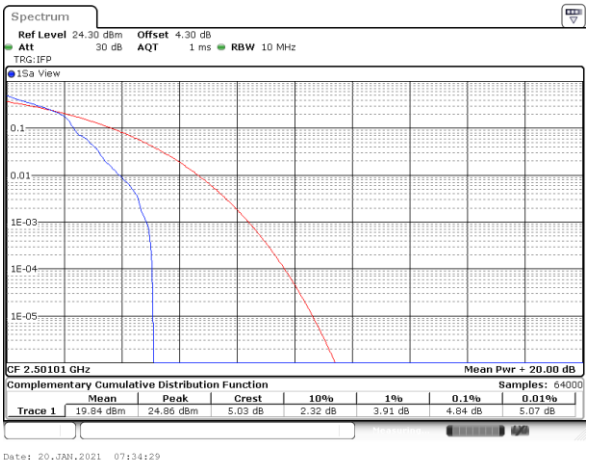
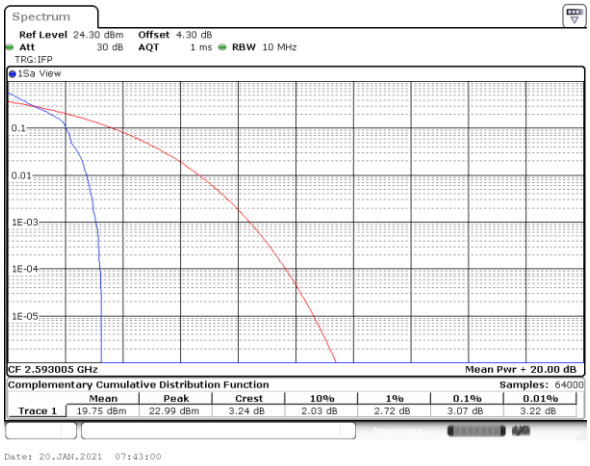
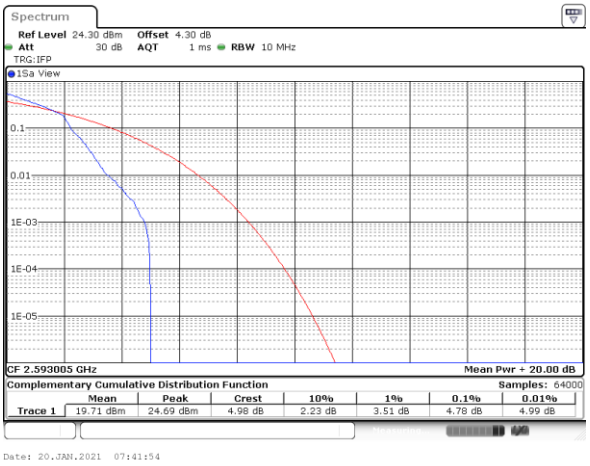
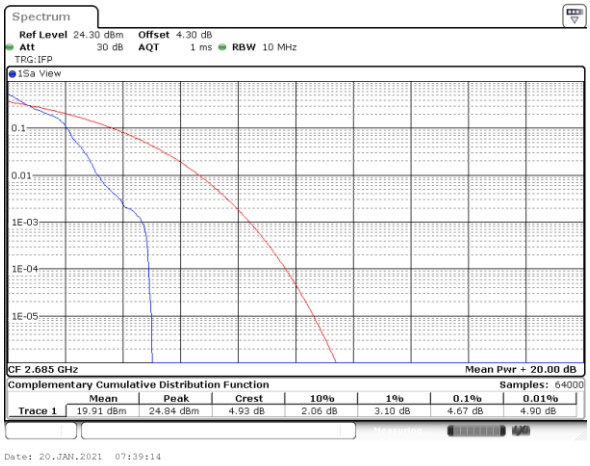
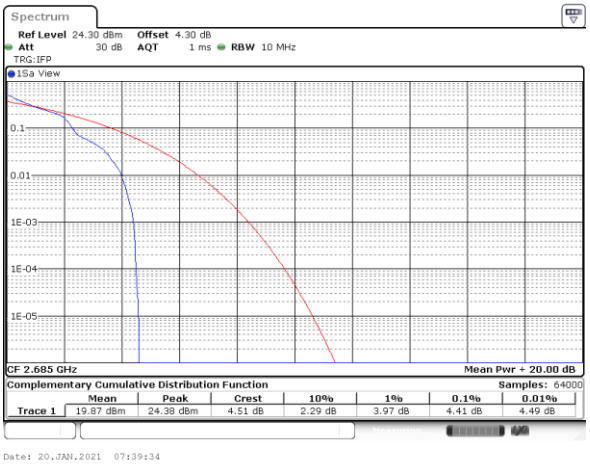
Note:

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.

5G NR n41 SA-SCS 15K

Peak-to-Average Ratio

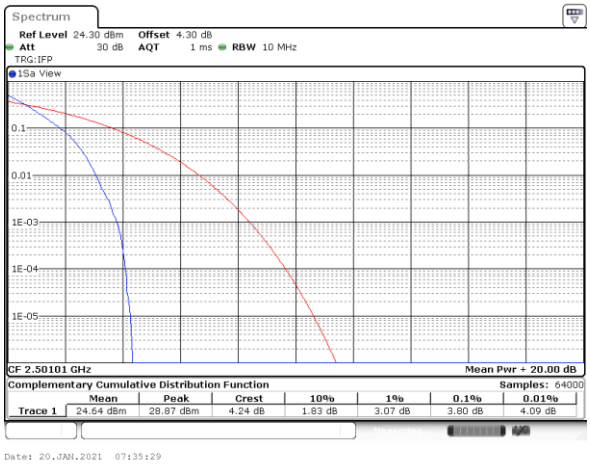
Mode	FR1 n41 / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.52	3.8	4.84	5.04	PASS
Middle CH	3.07	3.68	4.78	4.96	
Highest CH	4.67	3.74	4.41	5.22	

FR1 n41 / 10MHz / 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**
	

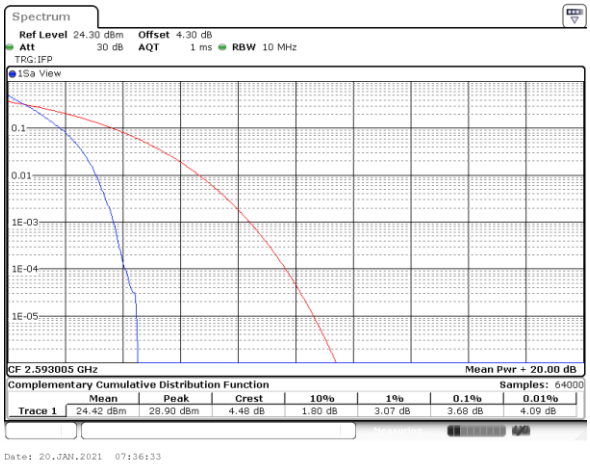
FR1 n41 / 10MHz / DFT-S OFDM

PI/2 BPSK

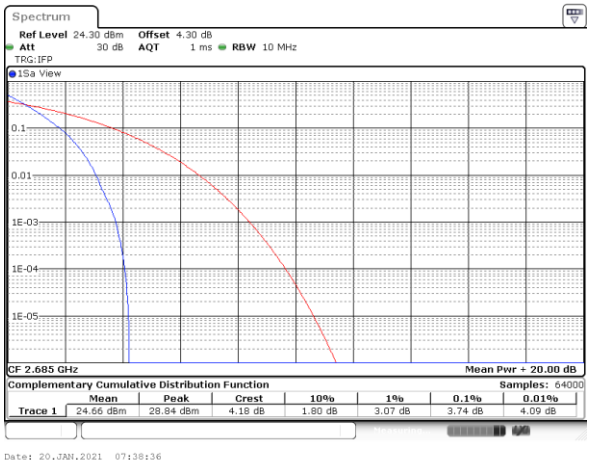
Lowest Channel / Full RB



Middle Channel / Full RB

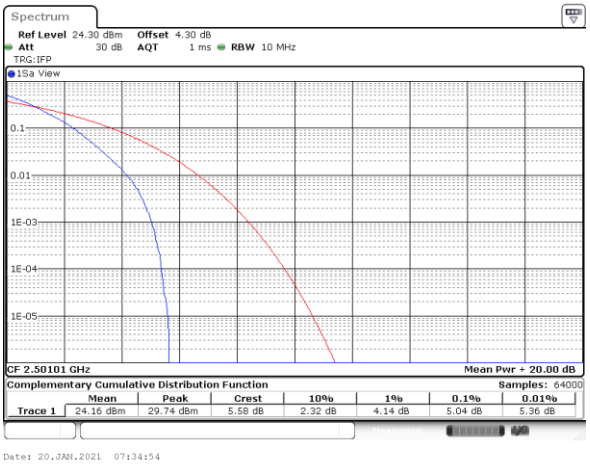


Highest Channel / Full RB

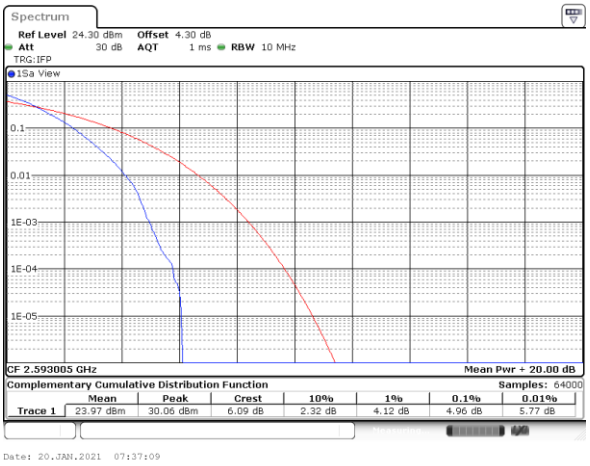


QPSK

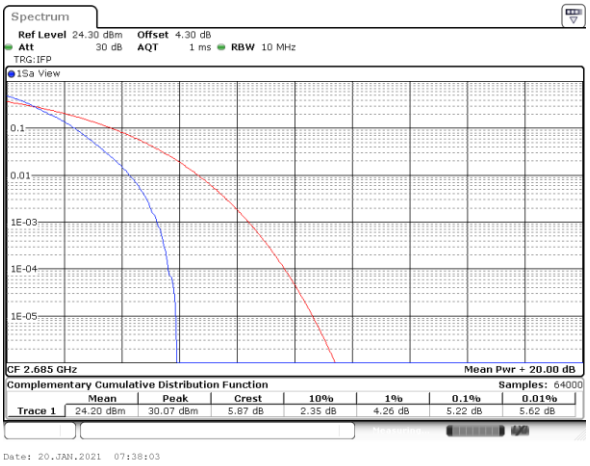
Lowest Channel / Full RB



Middle Channel / Full RB



Highest Channel / Full RB



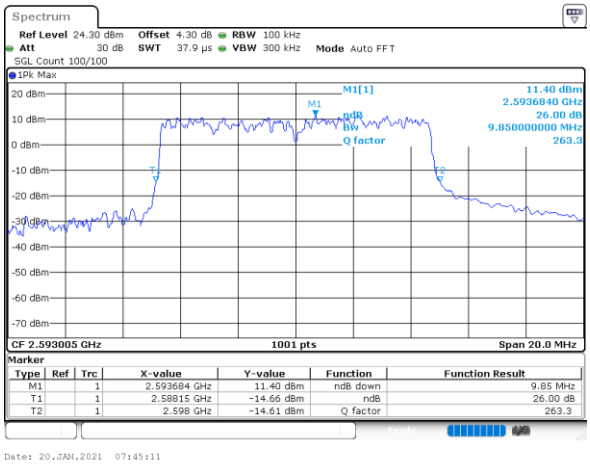
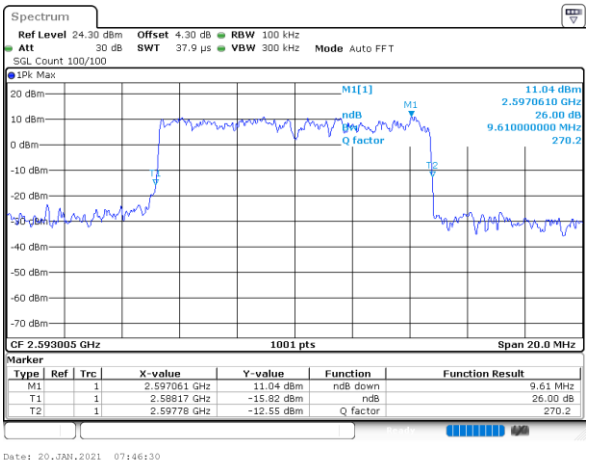
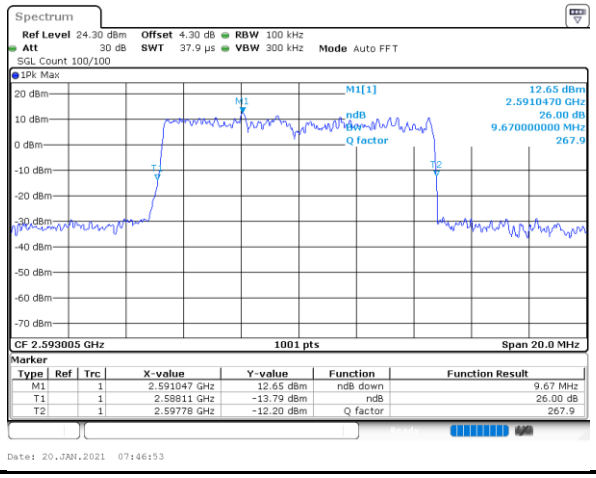
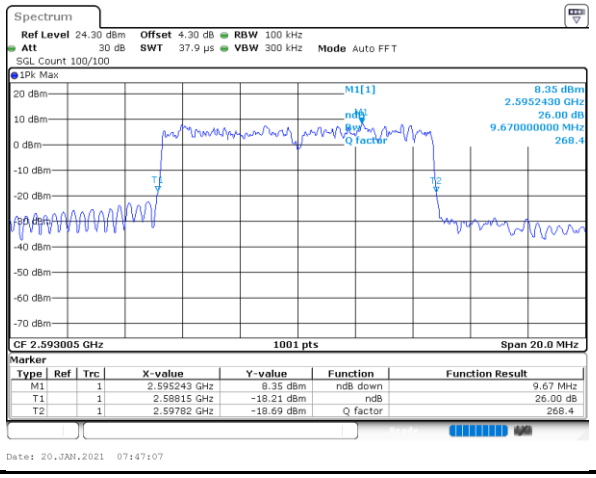
26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.85	9.61	9.67	9.67				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.83	14.86	14.89	14.83				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	29.37	29.49	29.43	29.67				

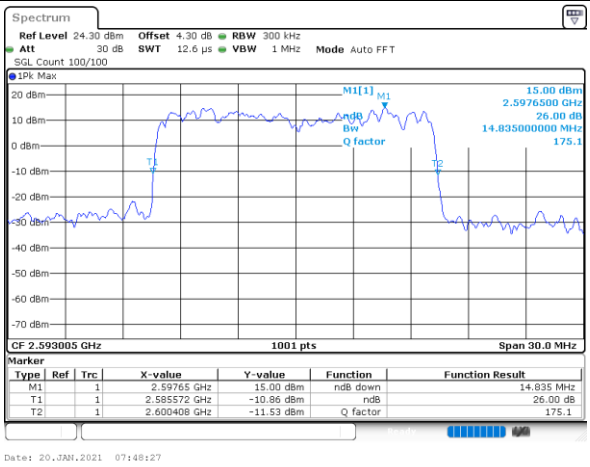
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	40.83	40.91	40.91	40.83				

FR1 n41 / 10MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n41 / 15MHz / CP-OFDM

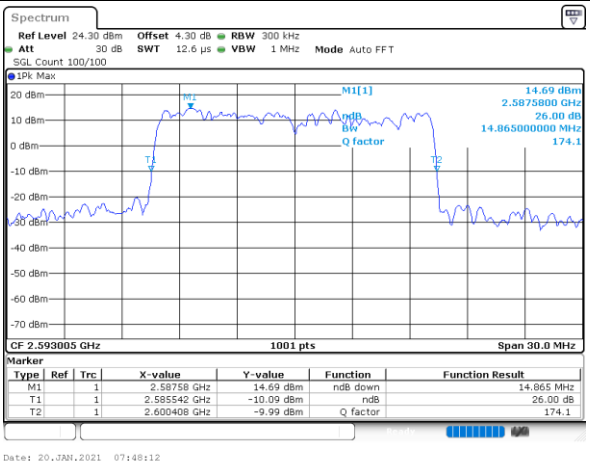
QPSK

Middle Channel



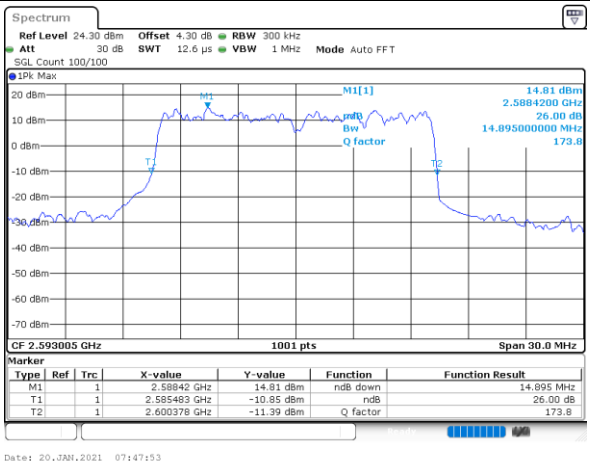
16QAM

Middle Channel



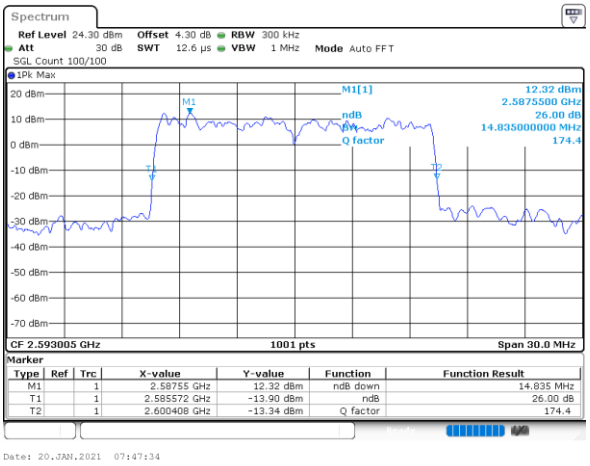
64QAM

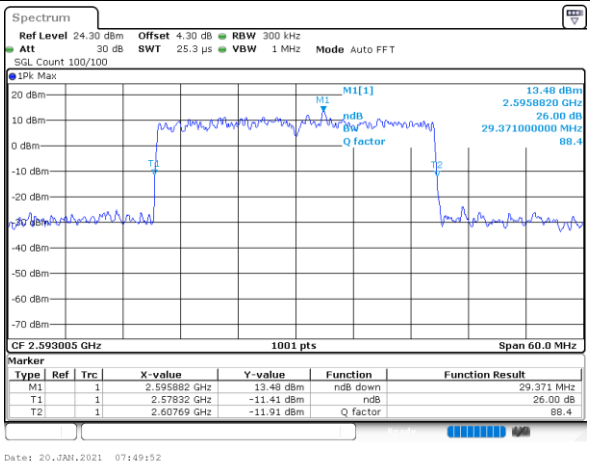
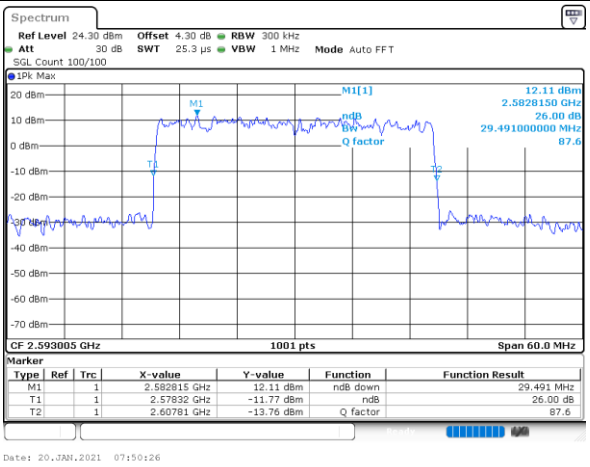
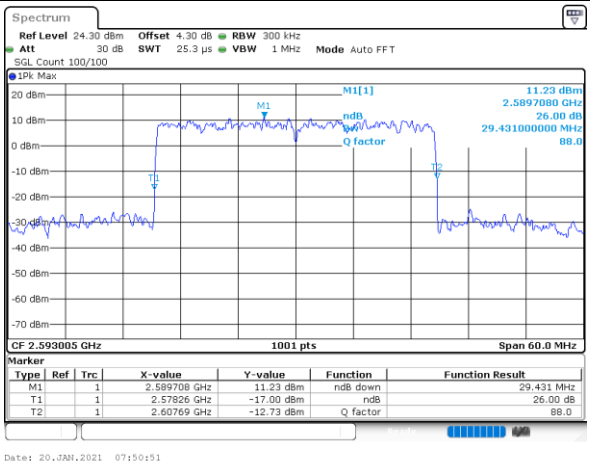
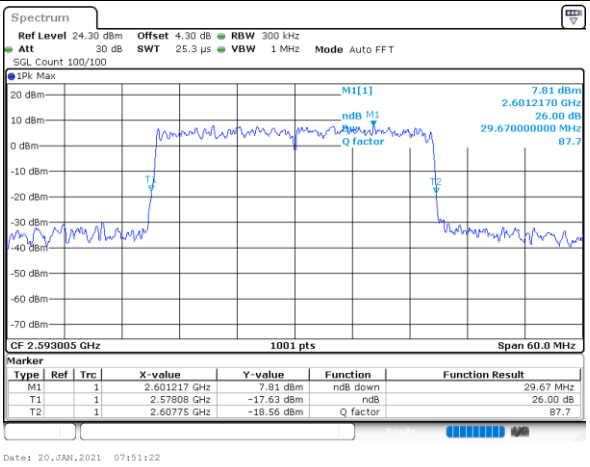
Middle Channel



256QAM

Middle Channel

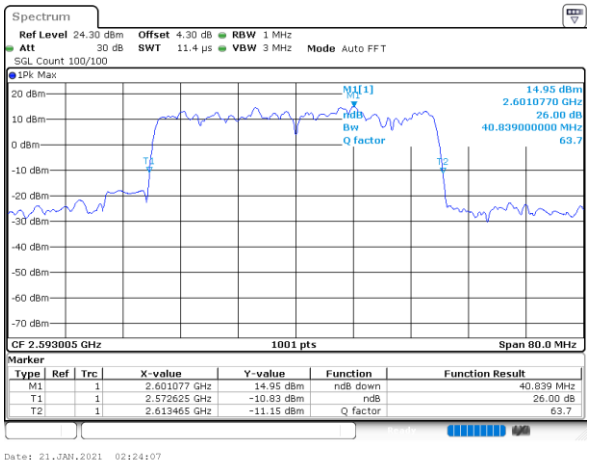


FR1 n41 / 30MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n41 / 40MHz / CP-OFDM

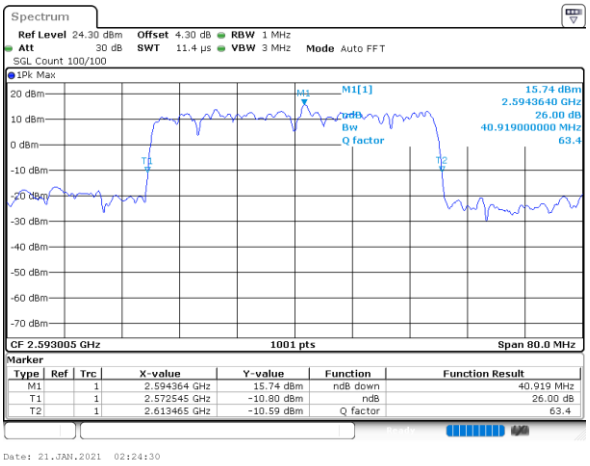
QPSK

Middle Channel



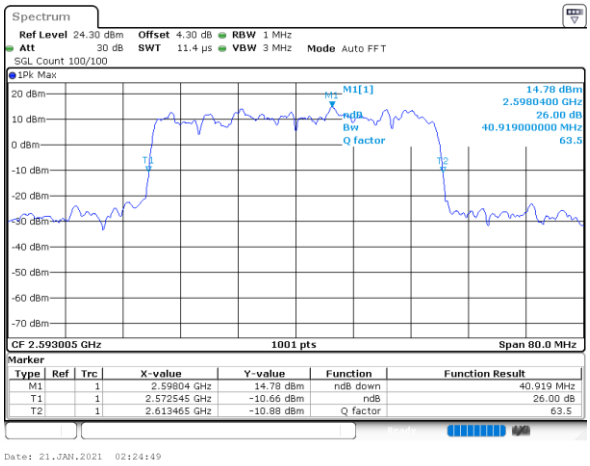
16QAM

Middle Channel



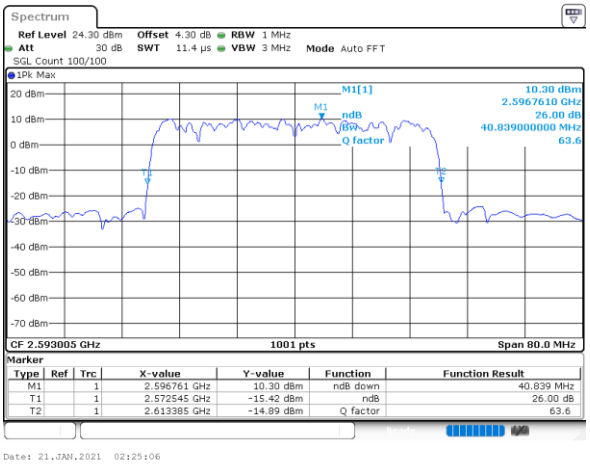
64QAM

Middle Channel



256QAM

Middle Channel



Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.25	9.31	9.29	9.27				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.26	14.17	14.14	14.23				

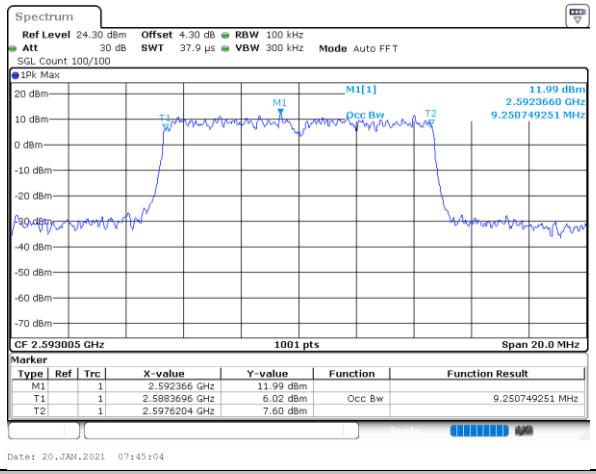
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	28.59	28.47	28.53	28.47				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	38.6	38.84	38.44	38.76				

FR1 n41 / 10MHz / CP-OFDM

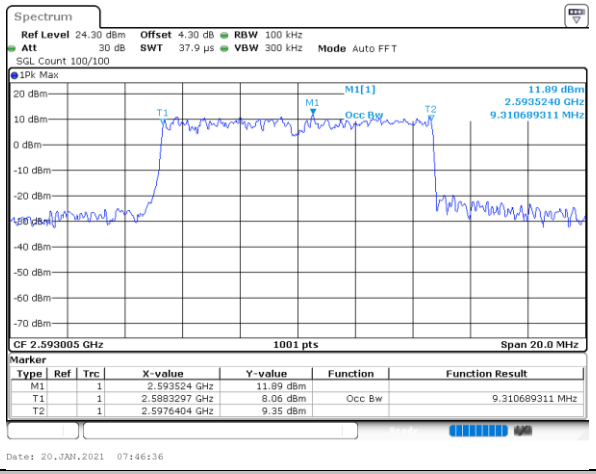
QPSK

Middle Channel



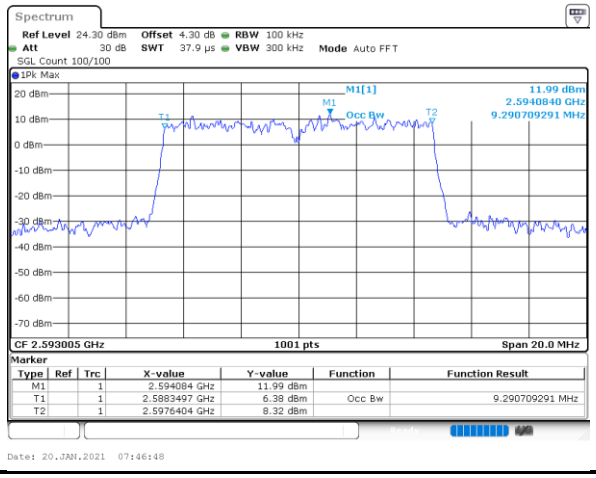
16QAM

Middle Channel



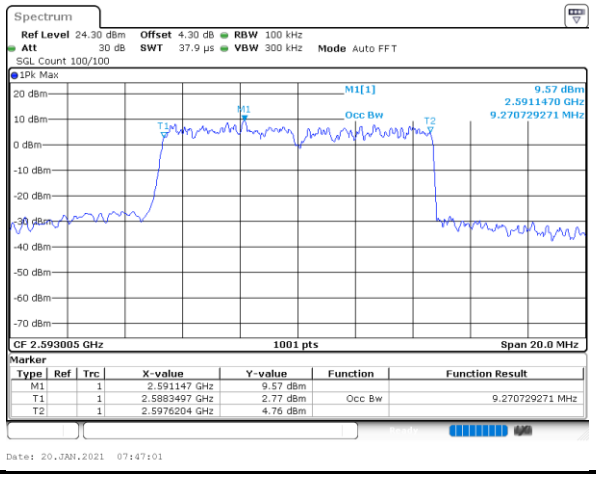
64QAM

Middle Channel



256QAM

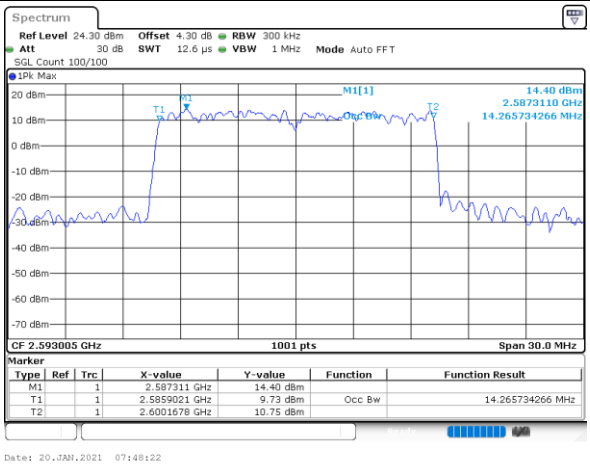
Middle Channel



FR1 n41 / 15MHz / CP-OFDM

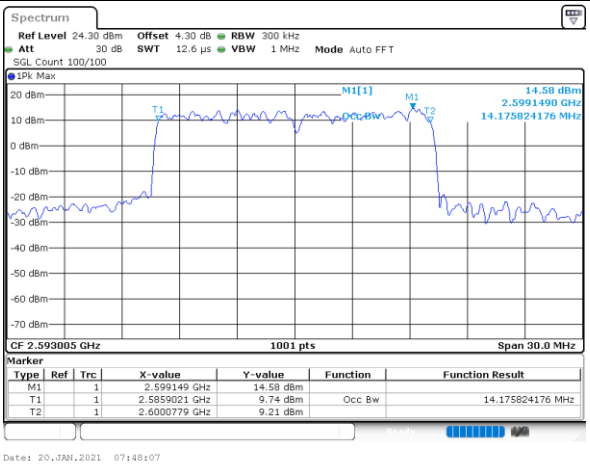
QPSK

Middle Channel



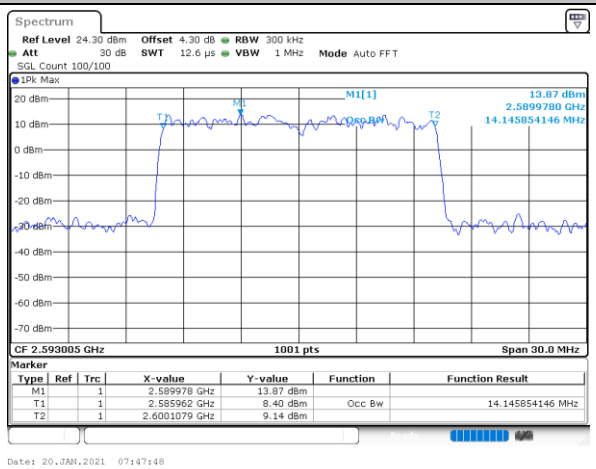
16QAM

Middle Channel



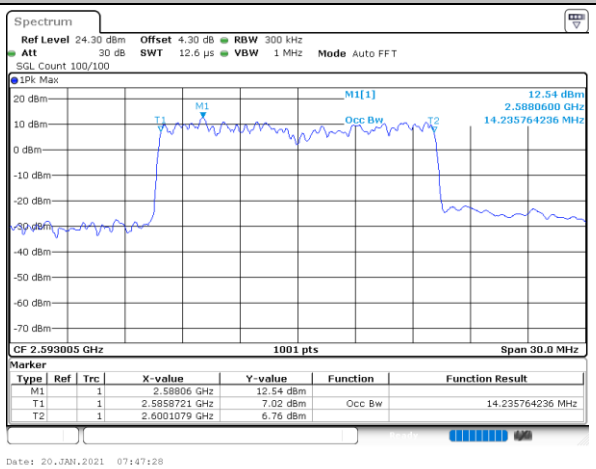
64QAM

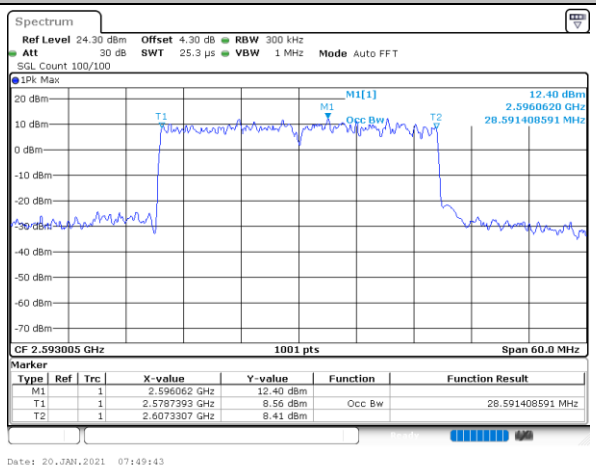
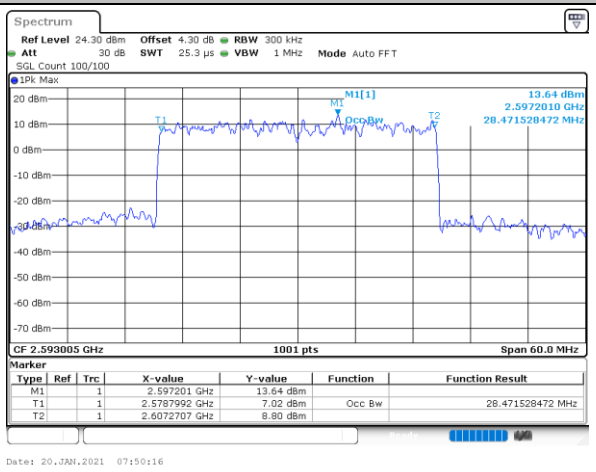
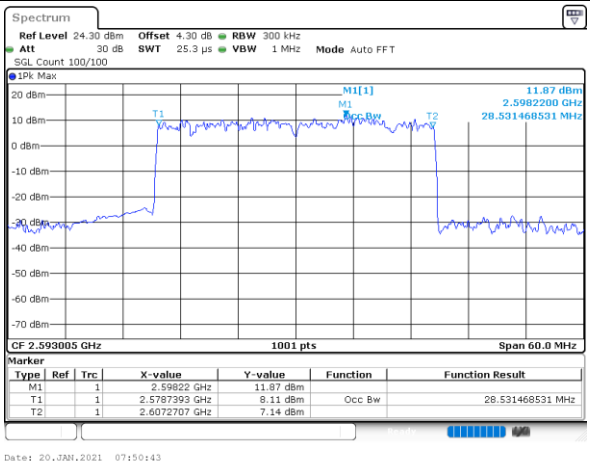
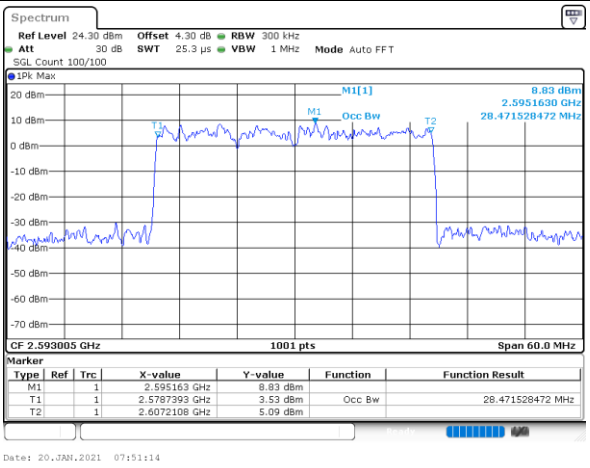
Middle Channel



256QAM

Middle Channel

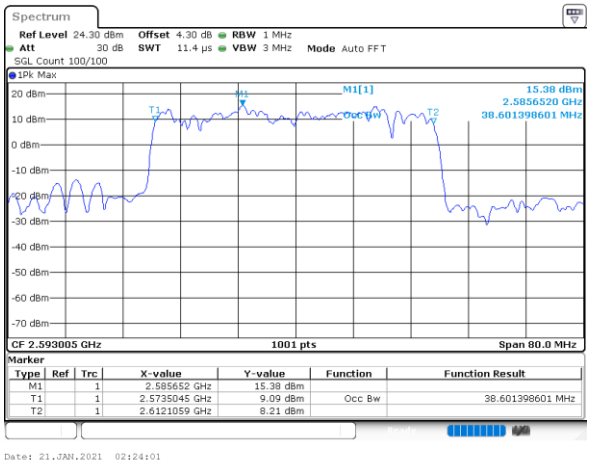


FR1 n41 / 30MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n41 / 40MHz / CP-OFDM

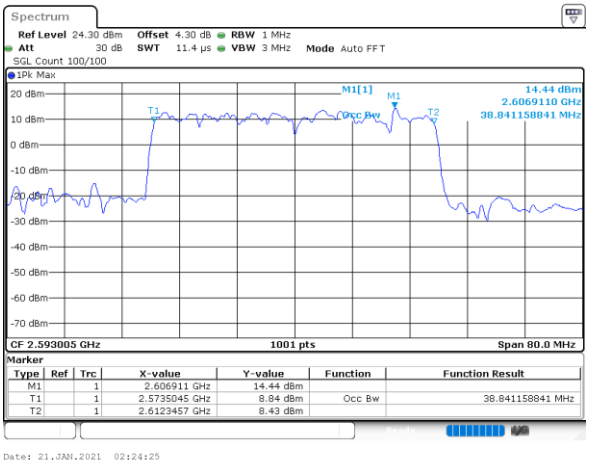
QPSK

Middle Channel



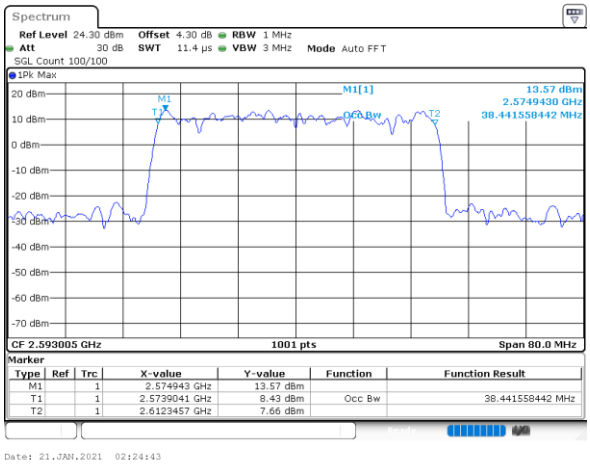
16QAM

Middle Channel



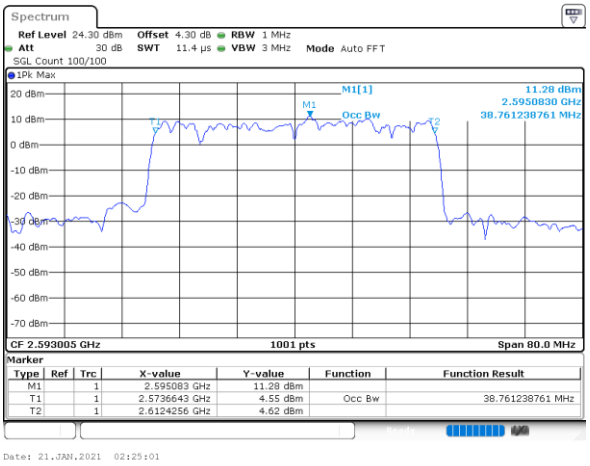
64QAM

Middle Channel

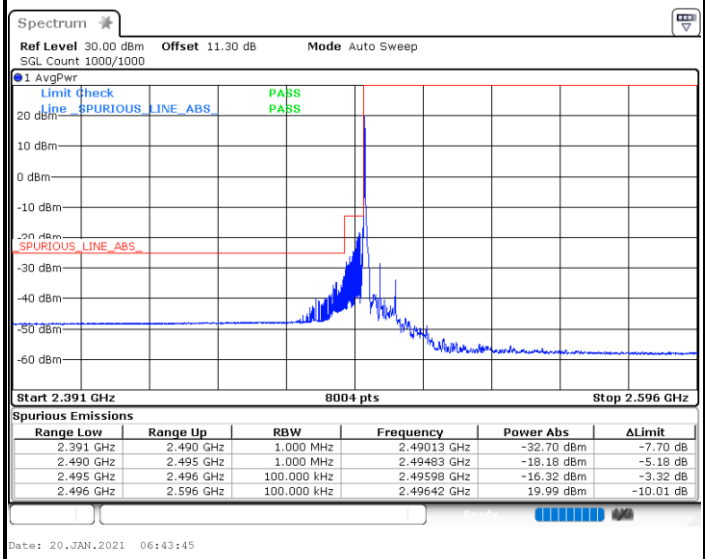
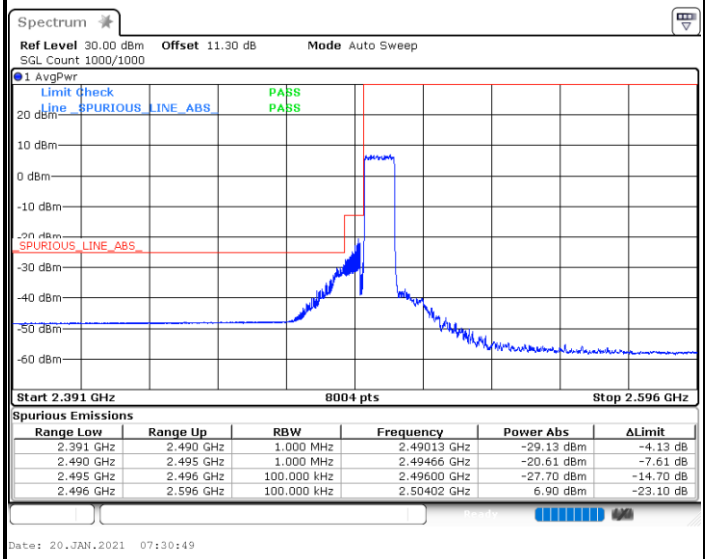


256QAM

Middle Channel

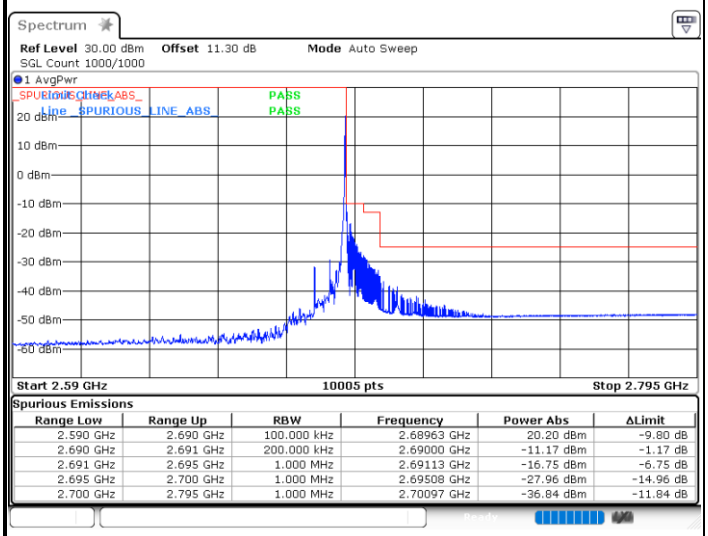


Conducted Band Edge

FR1 n41 / 10MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n41 / 10MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

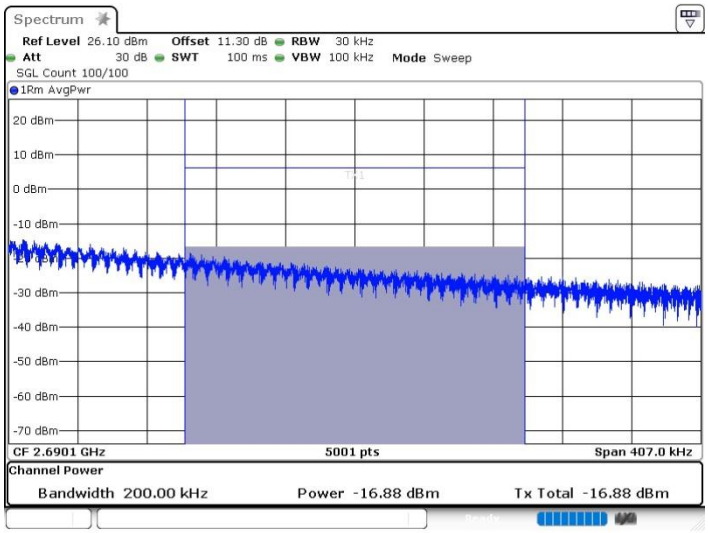


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68963 GHz	20.20 dBm	-9.80 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-11.17 dBm	-1.17 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69113 GHz	-16.75 dBm	-6.75 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69508 GHz	-27.96 dBm	-14.96 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70097 GHz	-36.84 dBm	-11.84 dB

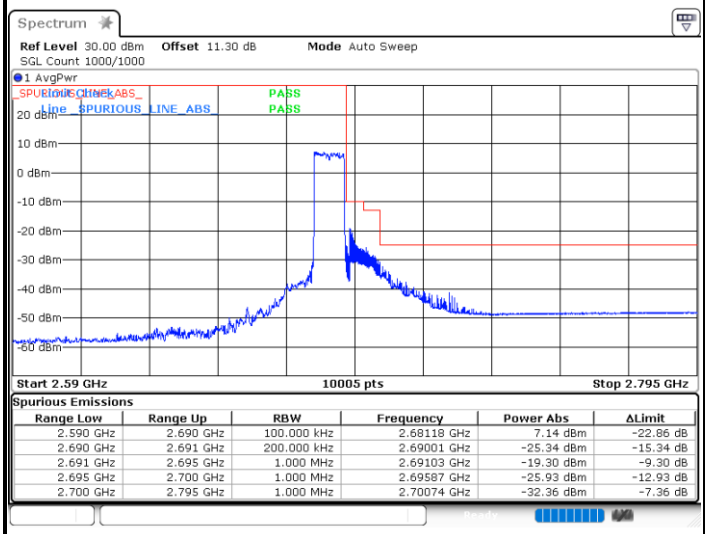
Date: 20.JAN.2021 05:34:25

Channel Power < -10dBm Pass



Date: 20.JAN.2021 06:10:16

Highest Band Edge / Full RB



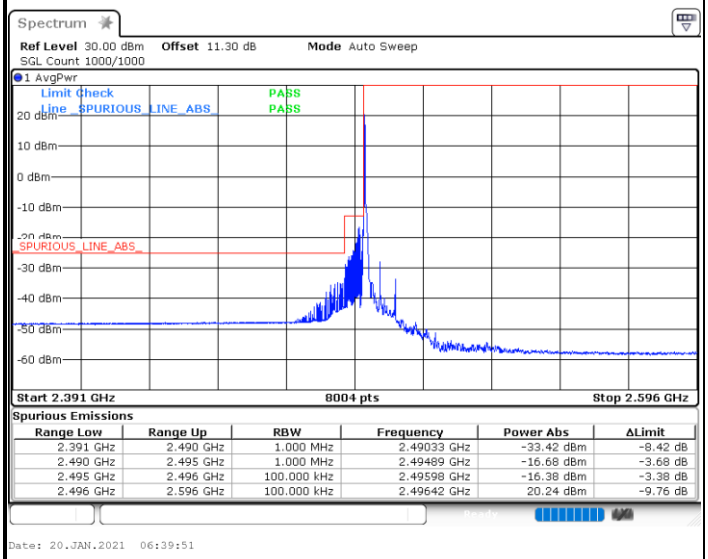
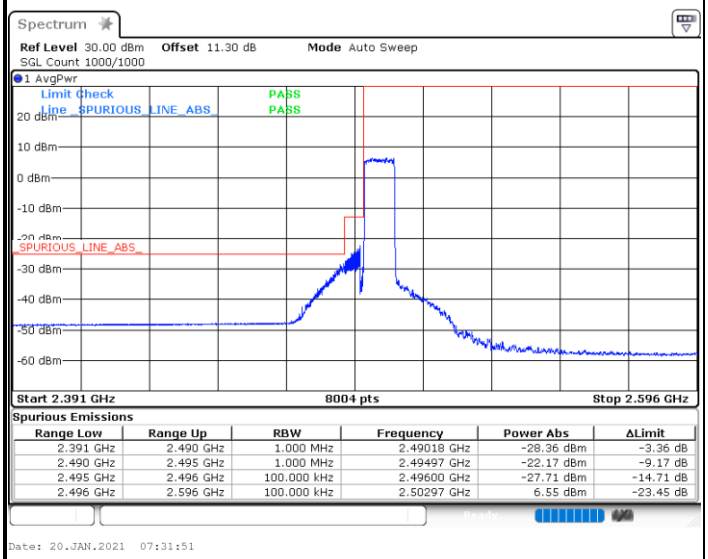
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68118 GHz	7.14 dBm	-22.86 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-25.34 dBm	-15.34 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-19.30 dBm	-9.30 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69587 GHz	-25.93 dBm	-12.93 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70074 GHz	-32.36 dBm	-7.36 dB

Date: 20.JAN.2021 05:49:54

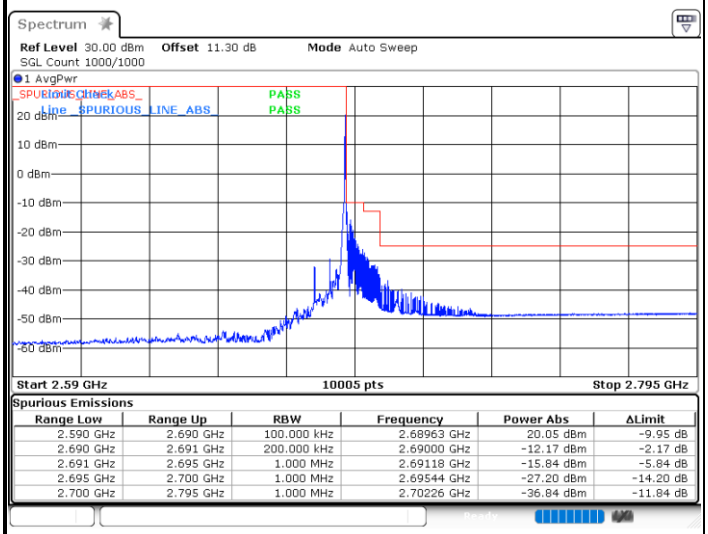
Channel Power < -10dBm Pass

/

FR1 n41 / 10MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49033 GHz / -33.42 dBm / -8.42 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49489 GHz / -16.68 dBm / -3.68 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49598 GHz / -16.38 dBm / -3.38 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49642 GHz / 20.24 dBm / -9.76 dB Date: 20.JAN.2021 06:39:51	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49018 GHz / -28.36 dBm / -3.36 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49497 GHz / -22.17 dBm / -9.17 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49600 GHz / -27.71 dBm / -14.71 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50297 GHz / 6.55 dBm / -23.45 dB Date: 20.JAN.2021 07:31:51	/

FR1 n41 / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

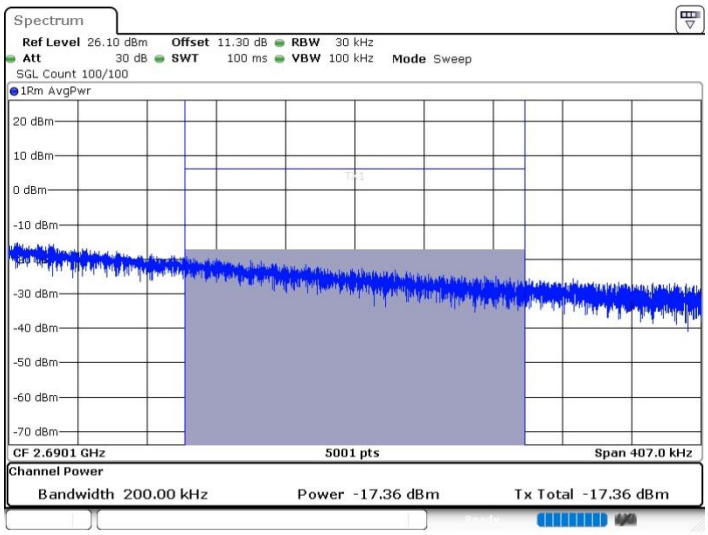


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68963 GHz	20.05 dBm	-9.95 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-12.17 dBm	-2.17 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69118 GHz	-15.84 dBm	-5.84 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69544 GHz	-27.20 dBm	-14.20 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70226 GHz	-36.84 dBm	-11.84 dB

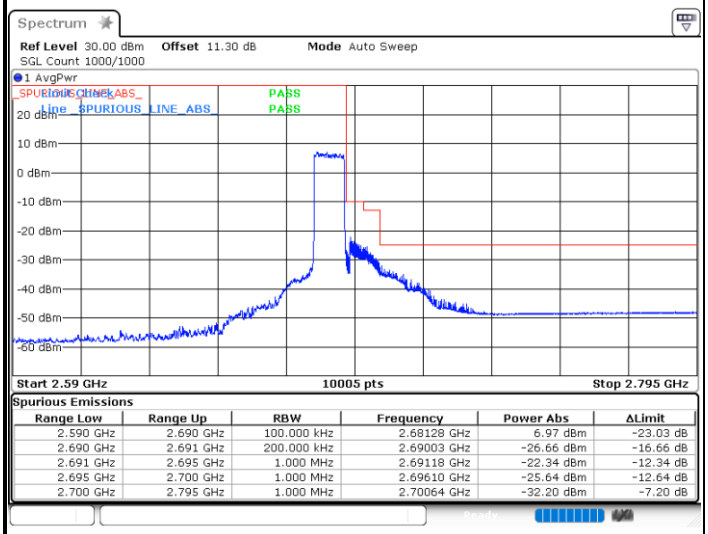
Date: 20.JAN.2021 05:39:30

Channel Power < -10dBm Pass



Date: 20.JAN.2021 06:10:40

Highest Band Edge / Full RB



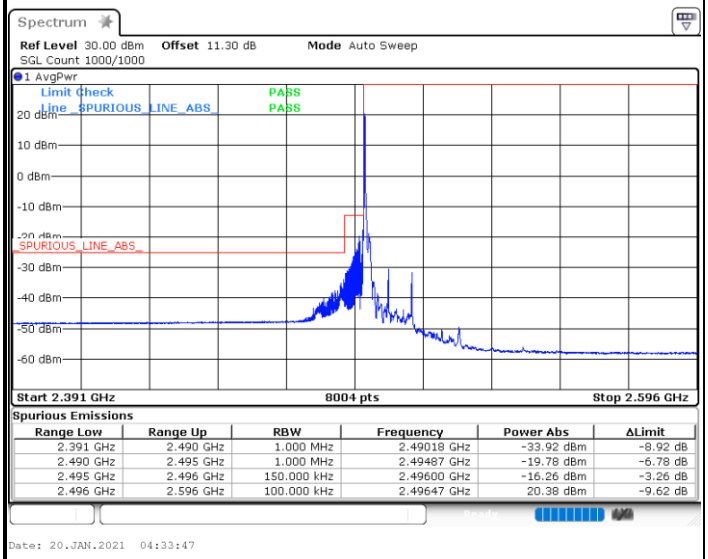
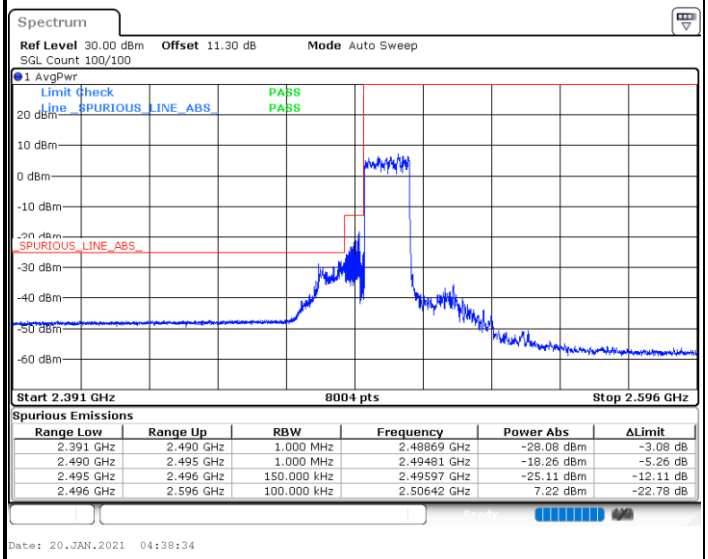
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68128 GHz	6.97 dBm	-23.03 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69003 GHz	-26.66 dBm	-16.66 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69118 GHz	-22.34 dBm	-12.34 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69610 GHz	-25.64 dBm	-12.64 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70064 GHz	-32.20 dBm	-7.20 dB

Date: 20.JAN.2021 05:47:37

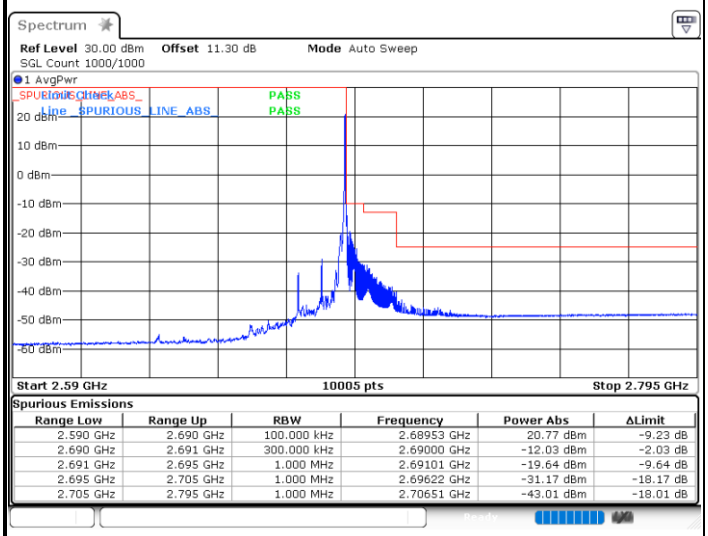
Channel Power < -10dBm Pass

/

FR1 n41 / 15MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49018 GHz / -33.92 dBm / -8.92 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49487 GHz / -19.78 dBm / -6.78 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49600 GHz / -16.26 dBm / -3.26 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49647 GHz / 20.38 dBm / -9.62 dB Date: 20.JAN.2021 04:33:47	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48869 GHz / -28.08 dBm / -3.08 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49481 GHz / -18.26 dBm / -5.26 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49597 GHz / -25.11 dBm / -12.11 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50642 GHz / 7.22 dBm / -22.78 dB Date: 20.JAN.2021 04:38:34	/

FR1 n41 / 15MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

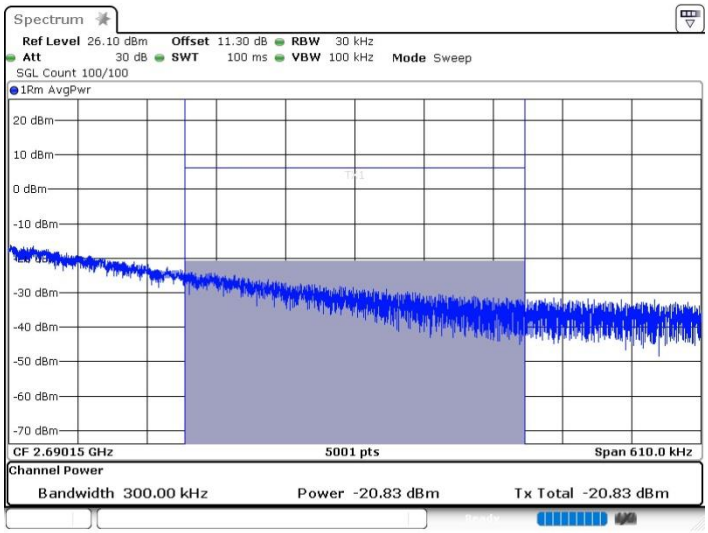


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68953 GHz	20.77 dBm	-9.23 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-12.03 dBm	-2.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-19.64 dBm	-9.64 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69622 GHz	-31.17 dBm	-18.17 dB
2.705 GHz	2.795 GHz	1.000 MHz	2.70651 GHz	-43.01 dBm	-18.01 dB

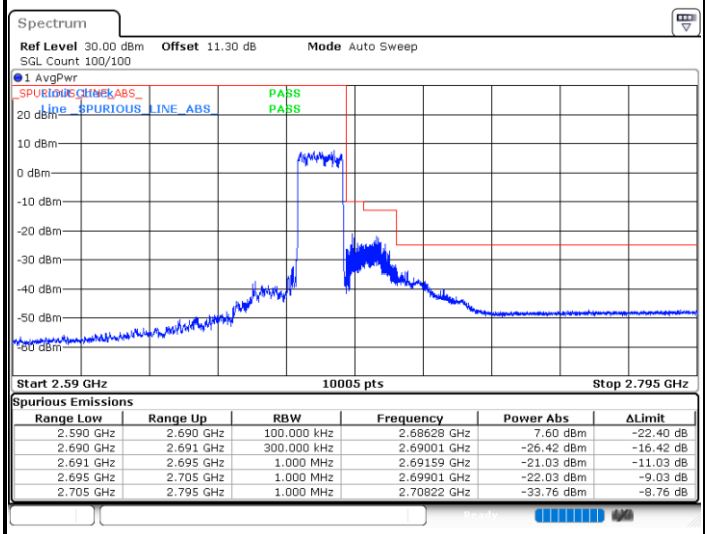
Date: 20.JAN.2021 04:25:15

Channel Power < -10dBm Pass



Date: 20.JAN.2021 04:27:30

Highest Band Edge / Full RB



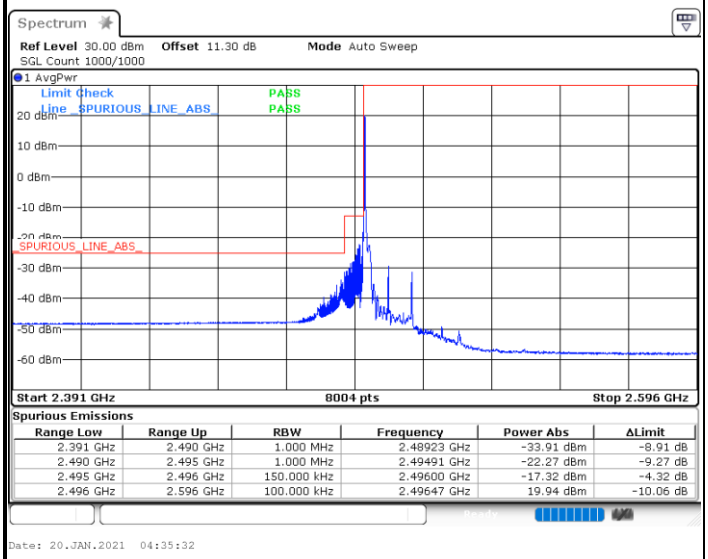
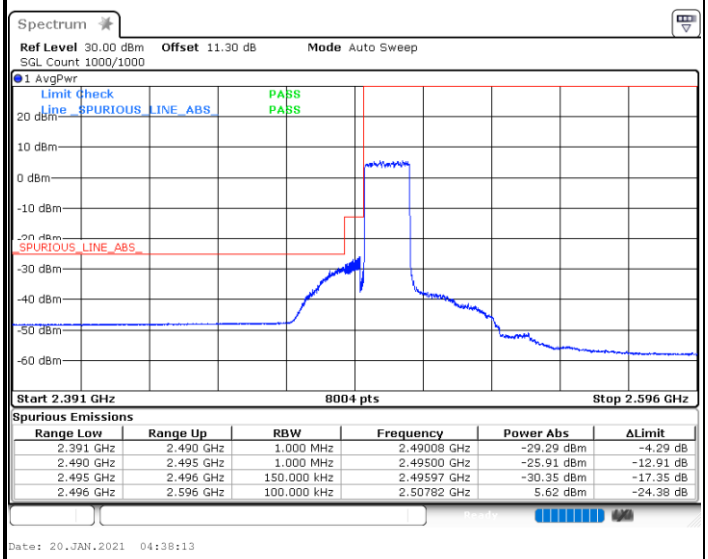
Spurious Emissions

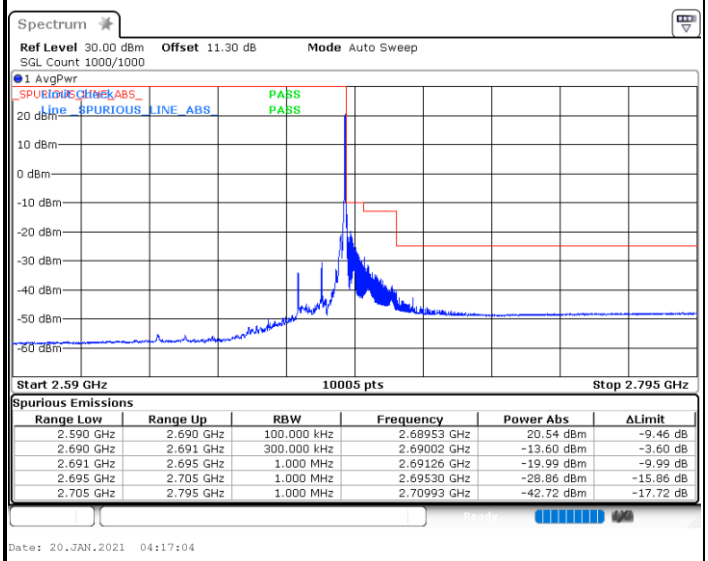
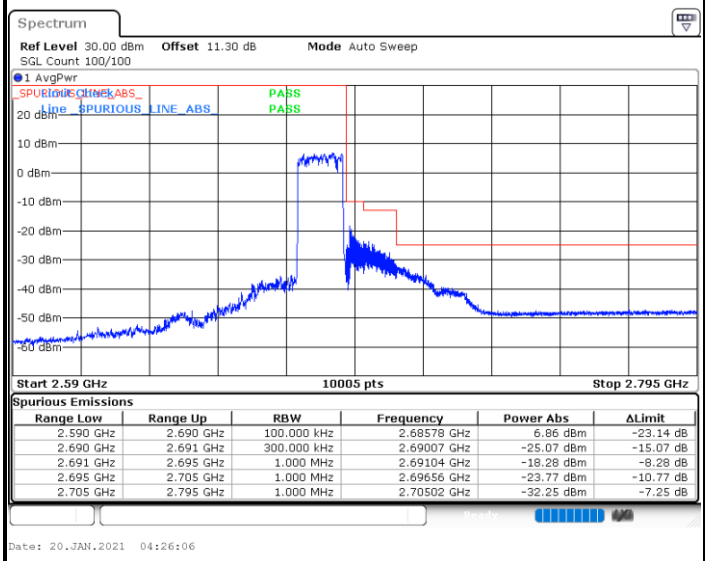
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68628 GHz	7.60 dBm	-22.40 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-26.42 dBm	-16.42 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69159 GHz	-21.03 dBm	-11.03 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69901 GHz	-22.03 dBm	-9.03 dB
2.705 GHz	2.795 GHz	1.000 MHz	2.70822 GHz	-33.76 dBm	-8.76 dB

Date: 20.JAN.2021 04:25:45

Channel Power < -10dBm Pass

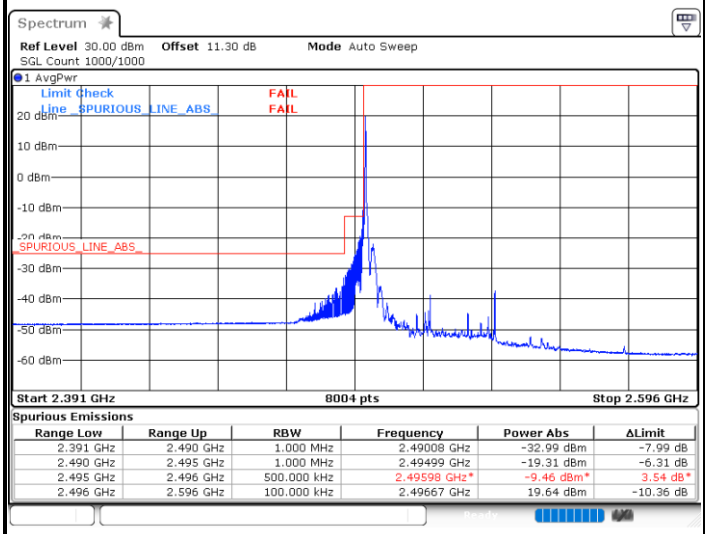
/

FR1 n41 / 15MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48923 GHz / -33.91 dBm / -8.91 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49491 GHz / -22.27 dBm / -9.27 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49600 GHz / -17.32 dBm / -4.32 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49647 GHz / 19.94 dBm / -10.06 dB Date: 20.JAN.2021 04:35:32	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49008 GHz / -29.29 dBm / -4.29 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49500 GHz / -25.91 dBm / -12.91 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49597 GHz / -30.35 dBm / -17.35 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50782 GHz / 5.62 dBm / -24.38 dB Date: 20.JAN.2021 04:38:13	/

FR1 n41 / 15MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68953 GHz / 20.54 dBm / -9.46 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69002 GHz / -13.60 dBm / -3.60 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69126 GHz / -19.99 dBm / -9.99 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69530 GHz / -28.86 dBm / -15.86 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70993 GHz / -42.72 dBm / -17.72 dB Date: 20.JAN.2021 04:17:04	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68578 GHz / 6.86 dBm / -23.14 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69007 GHz / -25.07 dBm / -15.07 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69104 GHz / -18.28 dBm / -8.28 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69656 GHz / -23.77 dBm / -10.77 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70502 GHz / -32.25 dBm / -7.25 dB Date: 20.JAN.2021 04:26:06	/

FR1 n41 / 40MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

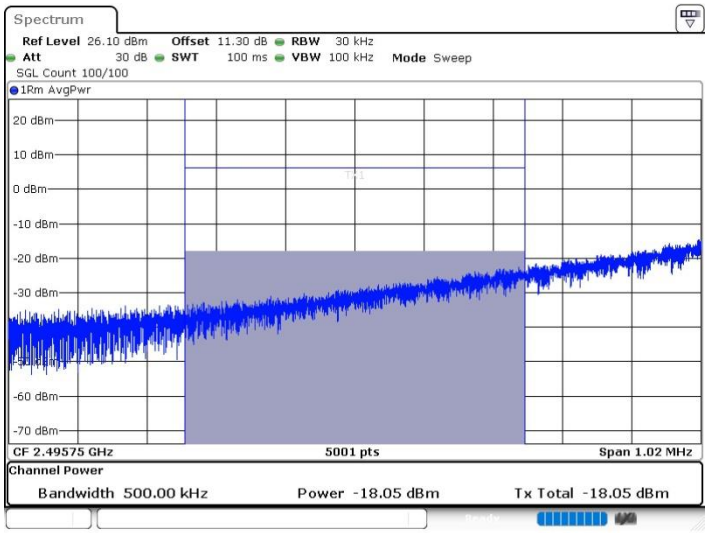


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.49008 GHz	-32.99 dBm	-7.99 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-19.31 dBm	-6.31 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49598 GHz*	-9.46 dBm*	3.54 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49667 GHz	19.64 dBm	-10.36 dB

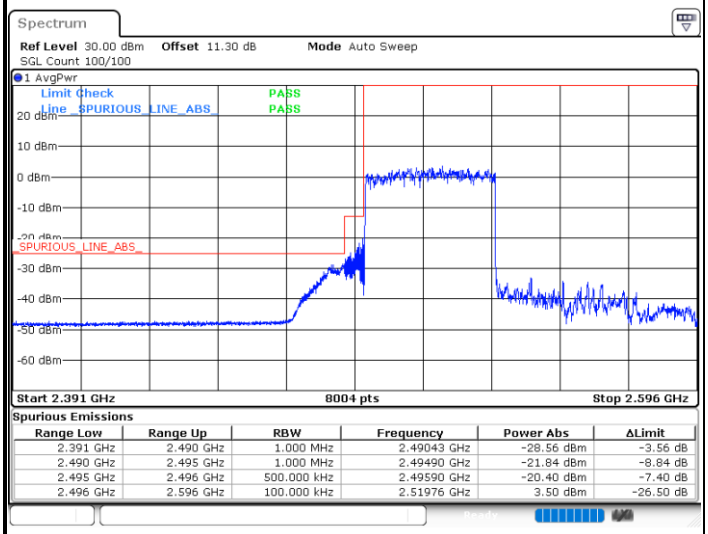
Date: 20.JAN.2021 03:20:07

Channel Power < -13dBm Pass



Date: 20.JAN.2021 03:23:47

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-28.56 dBm	-3.56 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49490 GHz	-21.84 dBm	-8.84 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49590 GHz	-20.40 dBm	-7.40 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.51976 GHz	3.50 dBm	-26.50 dB

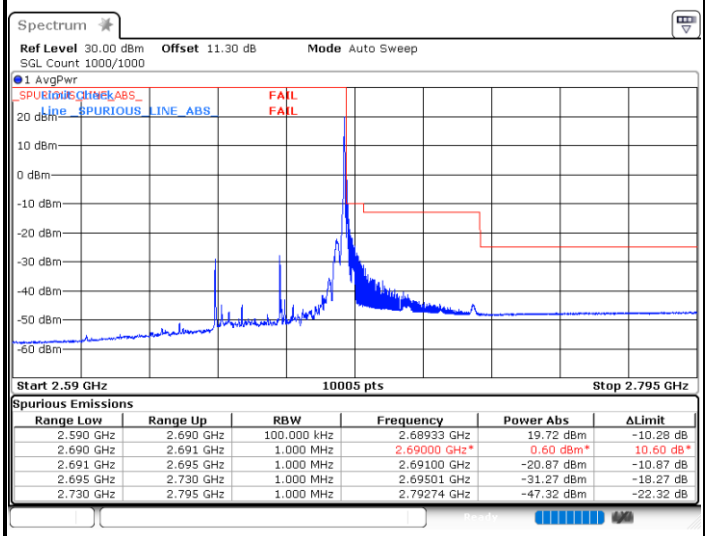
Date: 20.JAN.2021 03:25:59

Channel Power < -13dBm Pass

/

FR1 n41 / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

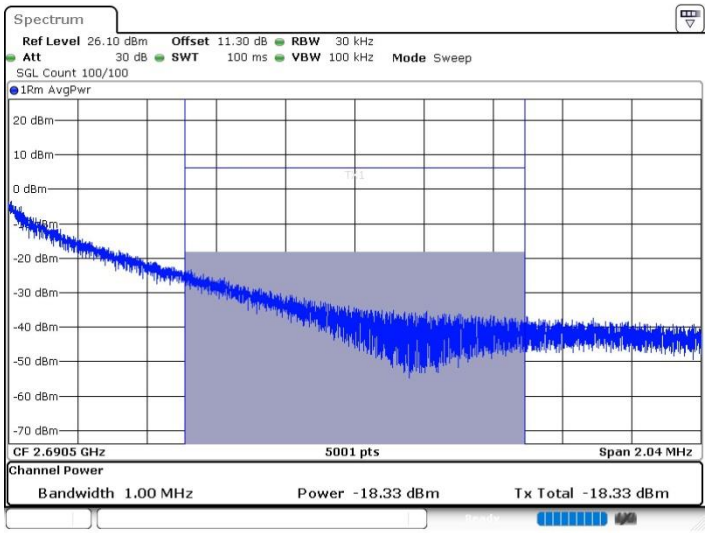


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68933 GHz	19.72 dBm	-10.28 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz*	0.60 dBm*	10.60 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-20.87 dBm	-10.87 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69501 GHz	-31.27 dBm	-18.27 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.79274 GHz	-47.32 dBm	-22.32 dB

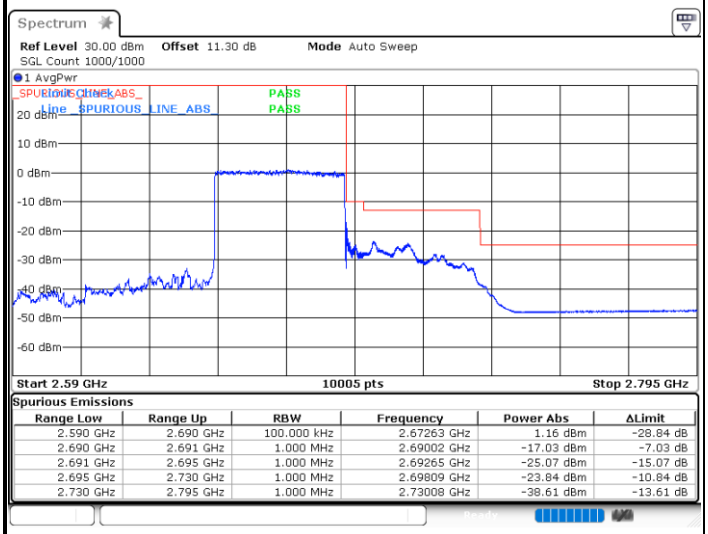
Date: 10.FEB.2021 22:50:18

Channel Power < -10dBm Pass



Date: 10.FEB.2021 22:54:02

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.67263 GHz	1.16 dBm	-28.84 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69002 GHz	-17.03 dBm	-7.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69265 GHz	-25.07 dBm	-15.07 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69809 GHz	-23.84 dBm	-10.84 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.73008 GHz	-38.61 dBm	-13.61 dB

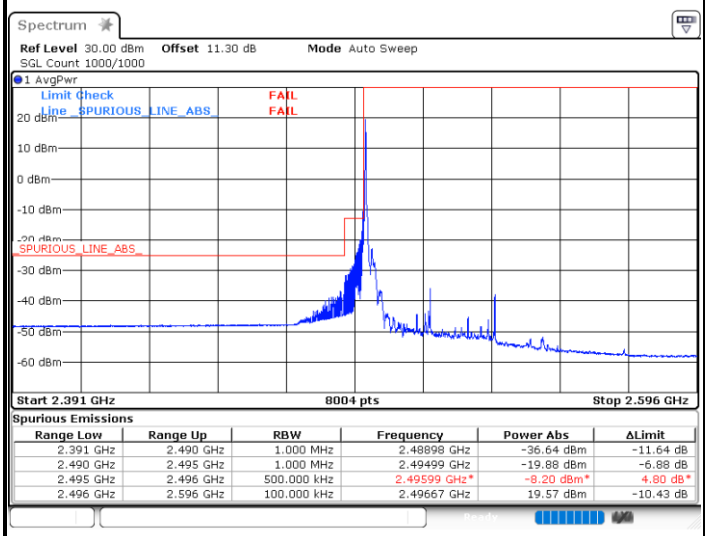
Date: 10.FEB.2021 22:46:41

Channel Power < -10dBm Pass

/

FR1 n41 / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

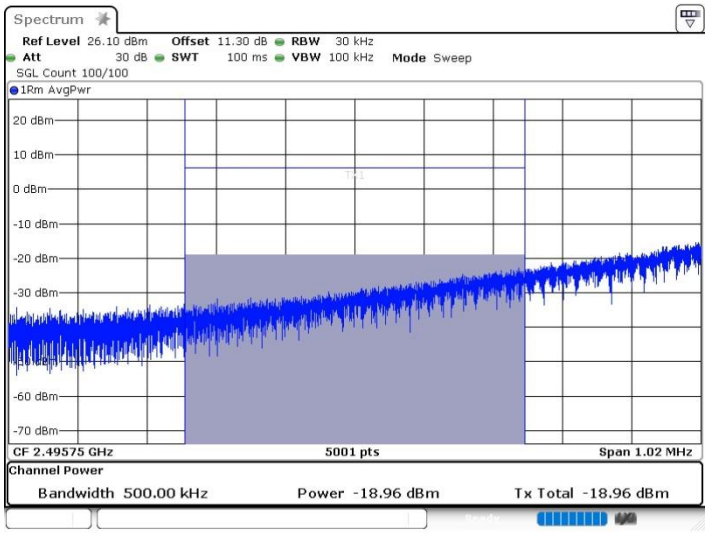


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48898 GHz	-36.64 dBm	-11.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-19.88 dBm	-6.88 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49599 GHz*	-8.20 dBm*	4.80 dB*
2.496 GHz	2.596 GHz	100.000 kHz	2.49667 GHz	19.57 dBm	-10.43 dB

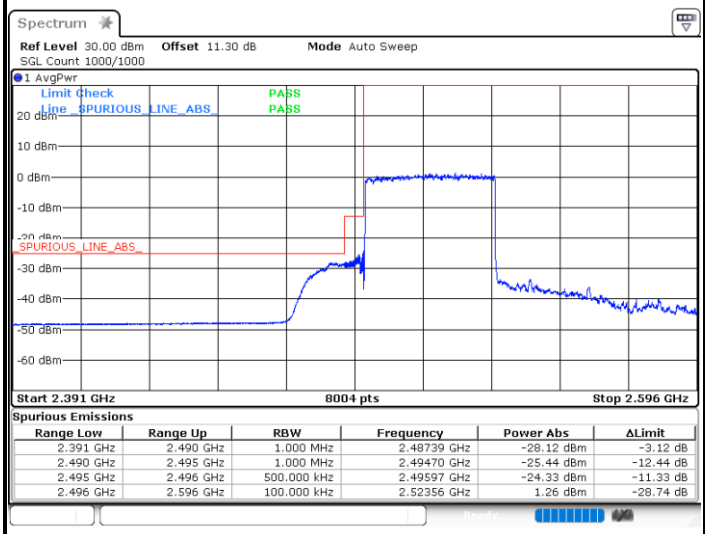
Date: 20.JAN.2021 03:22:29

Channel Power < -13dBm Pass



Date: 20.JAN.2021 03:23:26

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48739 GHz	-28.12 dBm	-3.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49470 GHz	-25.44 dBm	-12.44 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49597 GHz	-24.33 dBm	-11.33 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.52356 GHz	1.26 dBm	-28.74 dB

Date: 20.JAN.2021 03:28:49

Channel Power < -13dBm Pass

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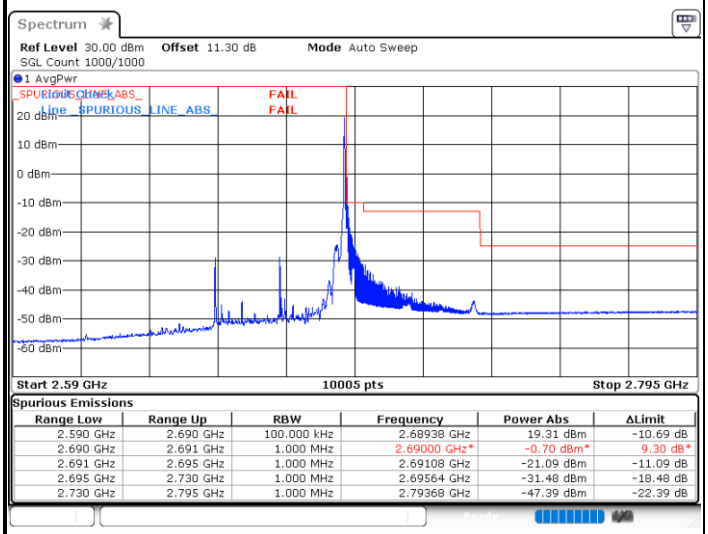
FR1 n41 / 40MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

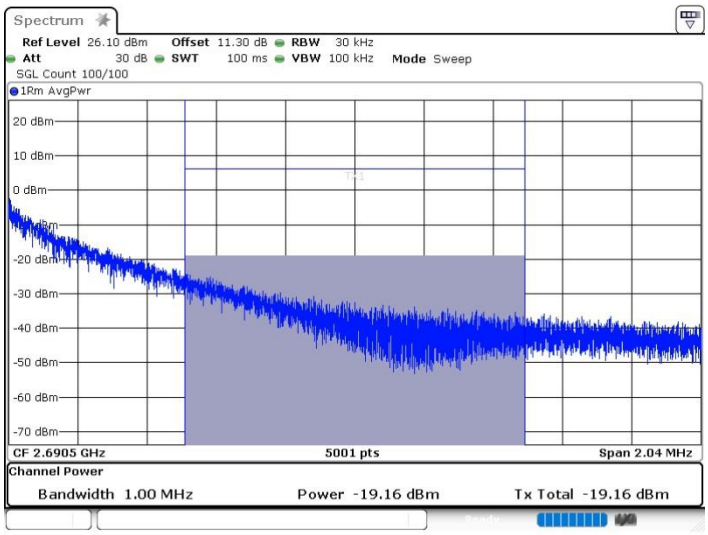


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68938 GHz	19.31 dBm	-10.69 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz*	-0.70 dBm*	9.30 dB*
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-21.09 dBm	-11.09 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69564 GHz	-31.48 dBm	-18.48 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.79368 GHz	-47.39 dBm	-22.39 dB

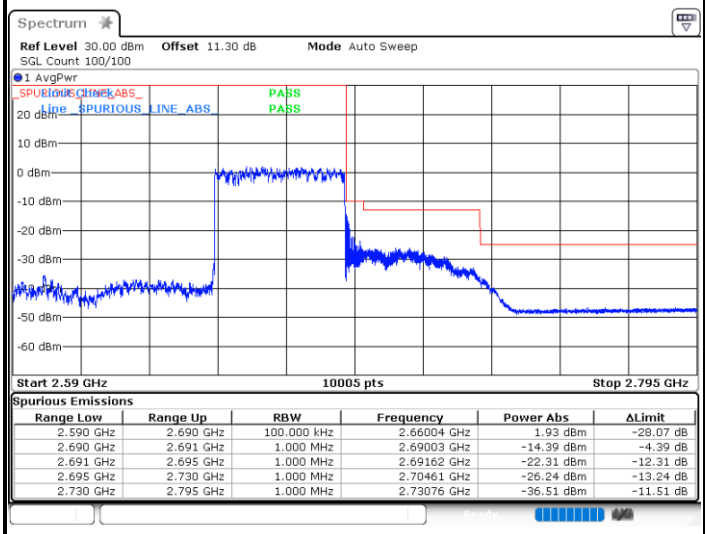
Date: 10.FEB.2021 22:53:05

Channel Power < -10dBm Pass



Date: 10.FEB.2021 22:53:38

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.66004 GHz	1.93 dBm	-28.07 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69003 GHz	-14.39 dBm	-4.39 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69162 GHz	-22.31 dBm	-12.31 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.70461 GHz	-26.24 dBm	-13.24 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.73076 GHz	-36.51 dBm	-11.51 dB

Date: 10.FEB.2021 22:42:13

Channel Power < -10dBm Pass

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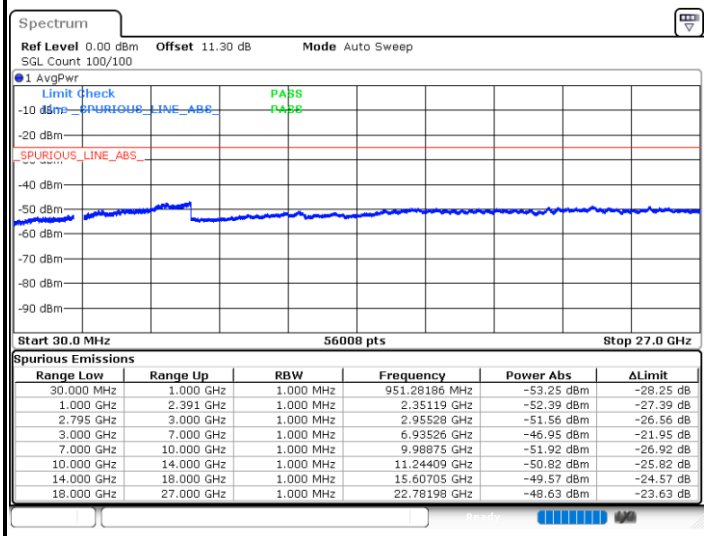
Conducted Spurious Emission

FR1 n41 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

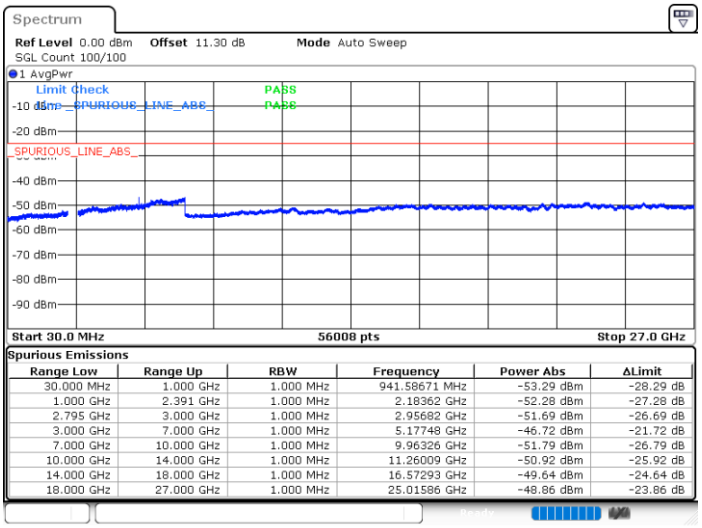


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-53.25 dBm	-28.25 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.35119 GHz	-52.39 dBm	-27.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95528 GHz	-51.56 dBm	-26.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93526 GHz	-46.95 dBm	-21.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-51.92 dBm	-26.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24409 GHz	-50.82 dBm	-25.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.60705 GHz	-49.57 dBm	-24.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.78198 GHz	-48.63 dBm	-23.63 dB

Date: 20.JAN.2021 05:03:29

Middle Channel / 1RB

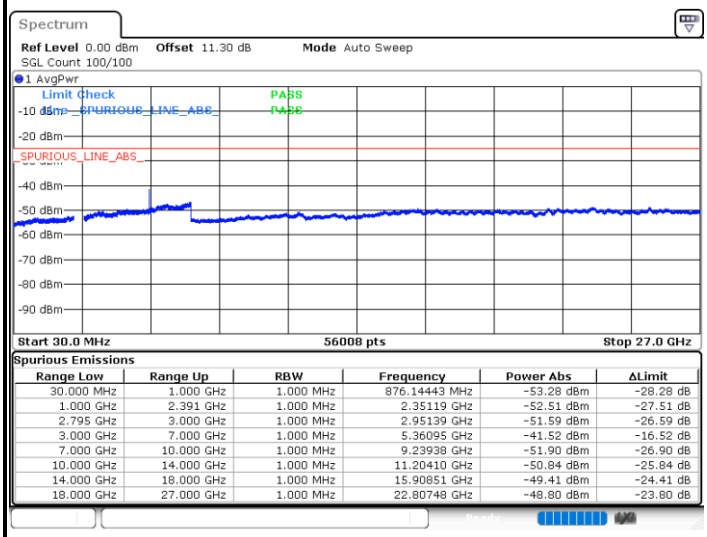


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.58671 MHz	-53.29 dBm	-28.29 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18362 GHz	-52.28 dBm	-27.28 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95682 GHz	-51.69 dBm	-26.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17748 GHz	-46.72 dBm	-21.72 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96326 GHz	-51.79 dBm	-26.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.26009 GHz	-50.92 dBm	-25.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.57293 GHz	-49.64 dBm	-24.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.01586 GHz	-48.86 dBm	-23.86 dB

Date: 20.JAN.2021 05:08:17

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.14443 MHz	-53.28 dBm	-28.28 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.35119 GHz	-52.51 dBm	-27.51 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95139 GHz	-51.59 dBm	-26.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.36095 GHz	-41.52 dBm	-16.52 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.23938 GHz	-51.90 dBm	-26.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.20410 GHz	-50.84 dBm	-25.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.90851 GHz	-49.41 dBm	-24.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80748 GHz	-48.80 dBm	-23.80 dB

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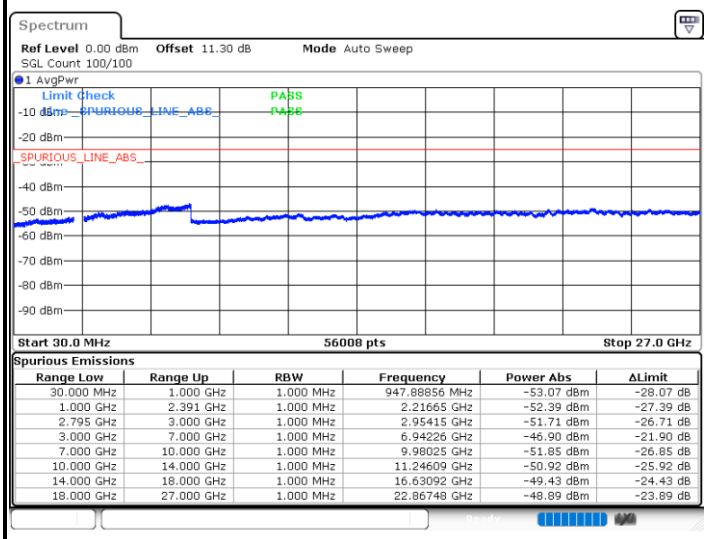
FR1 n41 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-53.07 dBm	-28.07 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.21665 GHz	-52.39 dBm	-27.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95415 GHz	-51.71 dBm	-26.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94226 GHz	-46.90 dBm	-21.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98025 GHz	-51.85 dBm	-26.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24609 GHz	-50.92 dBm	-25.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63092 GHz	-49.43 dBm	-24.43 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.86748 GHz	-48.89 dBm	-23.89 dB

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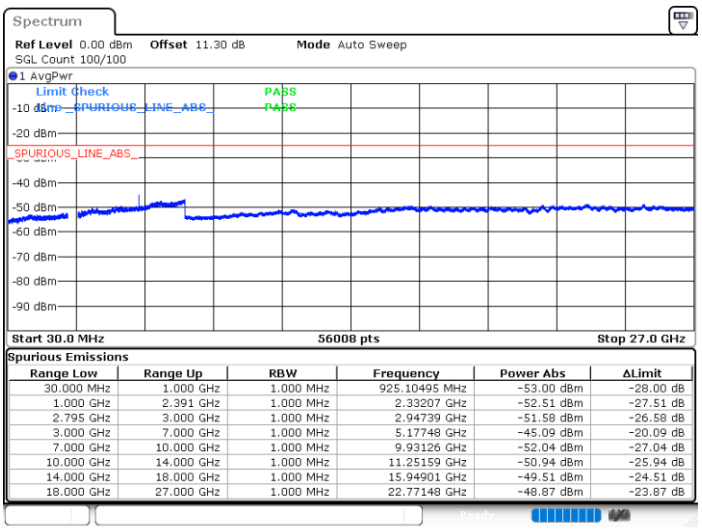
Middle Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.33207 GHz	-52.51 dBm	-27.51 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94739 GHz	-51.58 dBm	-26.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17748 GHz	-45.09 dBm	-20.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93126 GHz	-52.04 dBm	-27.04 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25159 GHz	-50.94 dBm	-25.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.94901 GHz	-49.51 dBm	-24.51 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.77148 GHz	-48.87 dBm	-23.87 dB

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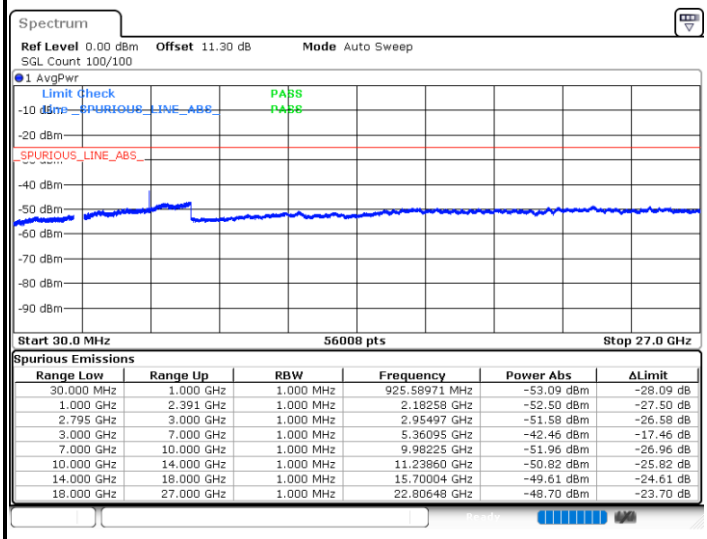
Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-53.09 dBm	-28.09 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18258 GHz	-52.50 dBm	-27.50 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95497 GHz	-51.58 dBm	-26.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.36095 GHz	-42.46 dBm	-17.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98225 GHz	-51.96 dBm	-26.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23860 GHz	-50.82 dBm	-25.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70004 GHz	-49.61 dBm	-24.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.80648 GHz	-48.70 dBm	-23.70 dB

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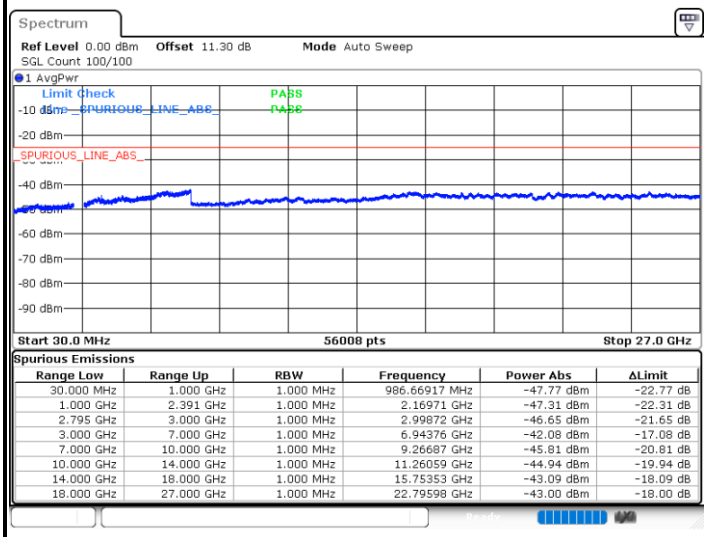
FR1 n41 / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-47.77 dBm	-22.77 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.16971 GHz	-47.31 dBm	-22.31 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99872 GHz	-46.65 dBm	-21.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94376 GHz	-42.08 dBm	-17.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.26687 GHz	-45.81 dBm	-20.81 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.26059 GHz	-44.94 dBm	-19.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75353 GHz	-43.09 dBm	-18.09 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79598 GHz	-43.00 dBm	-18.00 dB

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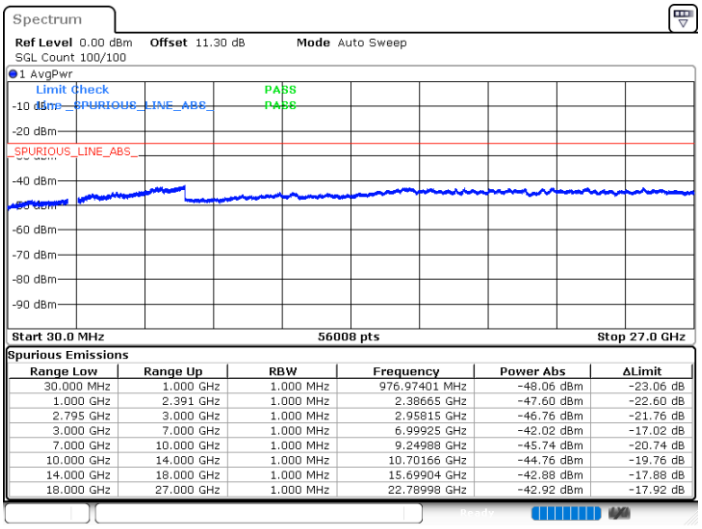
Middle Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-48.06 dBm	-23.06 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.38665 GHz	-47.60 dBm	-22.60 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95815 GHz	-46.76 dBm	-21.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-42.02 dBm	-17.02 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.24988 GHz	-45.74 dBm	-20.74 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.70166 GHz	-44.76 dBm	-19.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.69904 GHz	-42.88 dBm	-17.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.78998 GHz	-42.92 dBm	-17.92 dB

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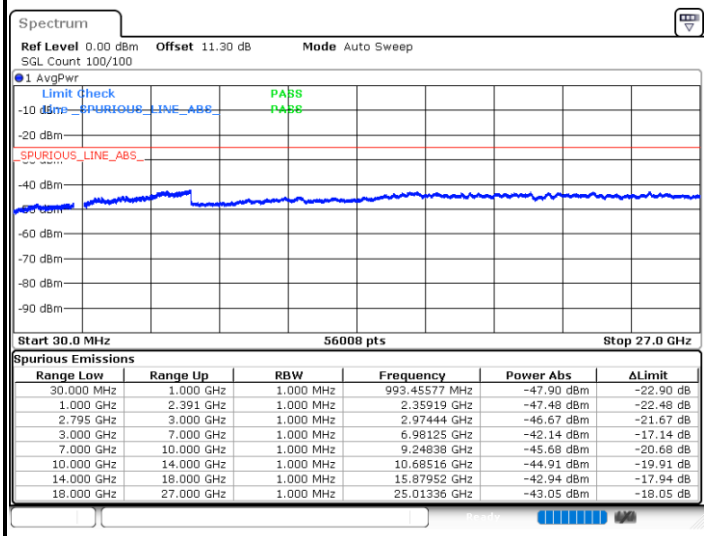
Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.90 dBm	-22.90 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.35919 GHz	-47.48 dBm	-22.48 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97444 GHz	-46.67 dBm	-21.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-42.14 dBm	-17.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.24838 GHz	-45.68 dBm	-20.68 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.68516 GHz	-44.91 dBm	-19.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.87952 GHz	-42.94 dBm	-17.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.01336 GHz	-43.05 dBm	-18.05 dB

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