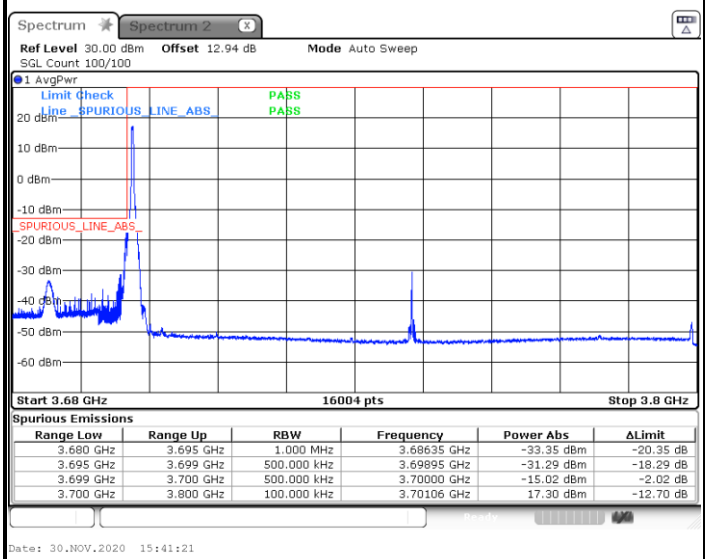
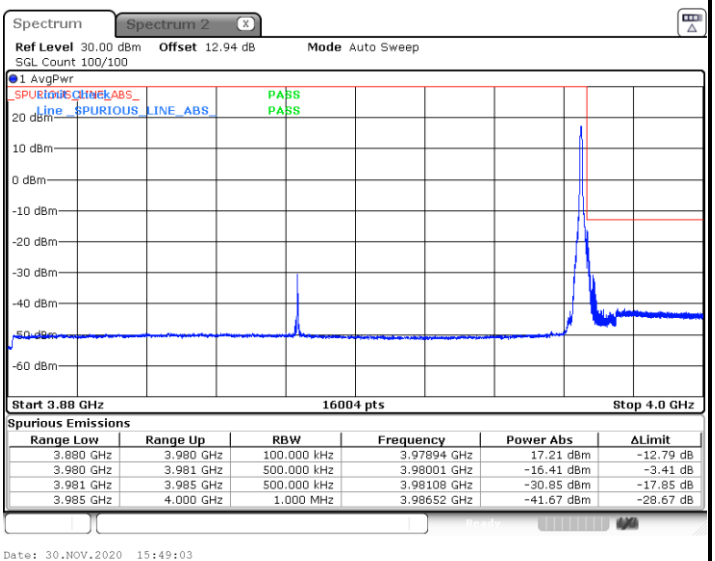
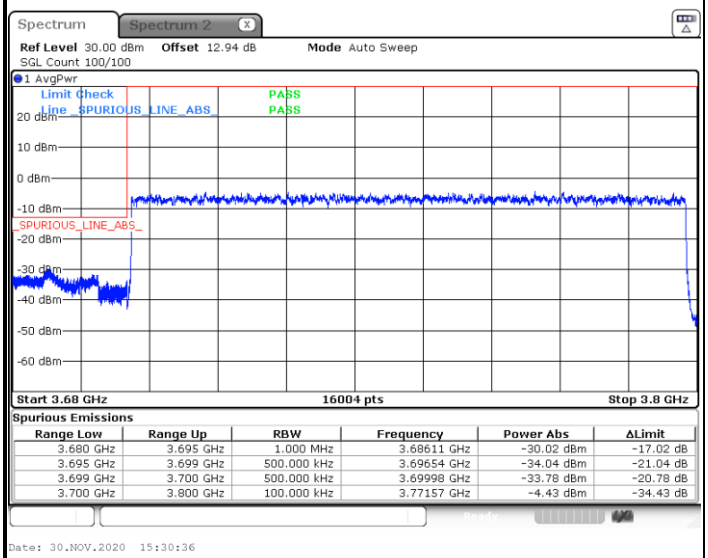
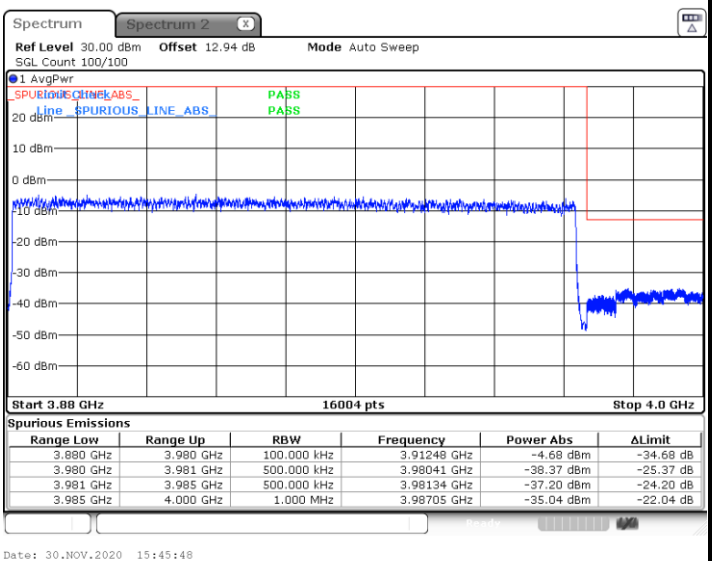
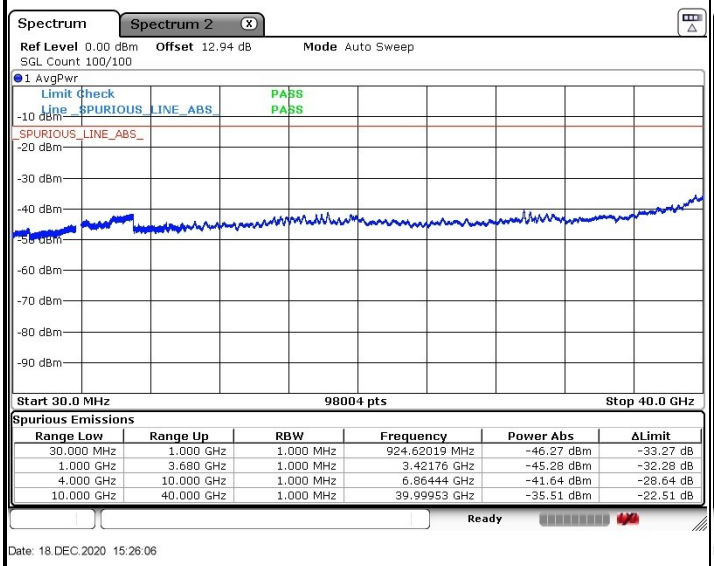
FR1 n77 / 100MHz / DFT-S OFDM / 256Q	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

FR1 n77 / 100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

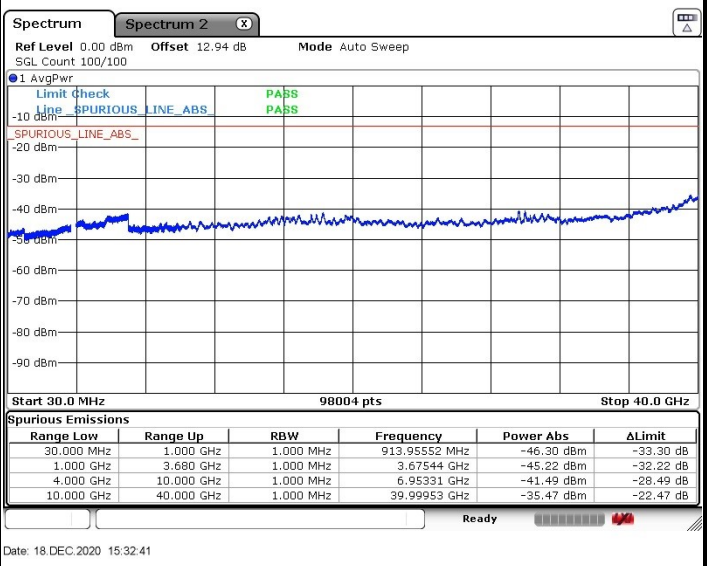


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-46.27 dBm	-33.27 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.42176 GHz	-45.28 dBm	-32.28 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.86444 GHz	-41.64 dBm	-28.64 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.99953 GHz	-35.51 dBm	-22.51 dB

Date: 18.DEC.2020 15:26:06

Middle Channel / 1RB1

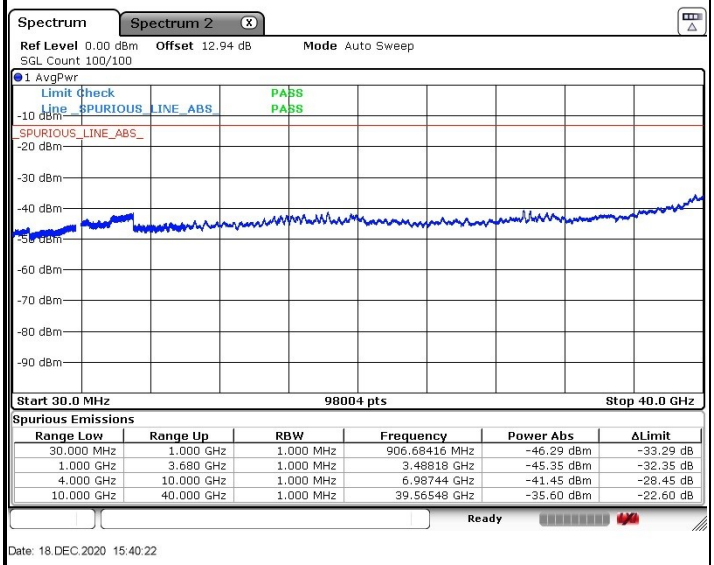


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.67544 GHz	-45.22 dBm	-32.22 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.95331 GHz	-41.49 dBm	-28.49 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.99953 GHz	-35.47 dBm	-22.47 dB

Date: 18.DEC.2020 15:32:41

Highest Channel / 1RB1



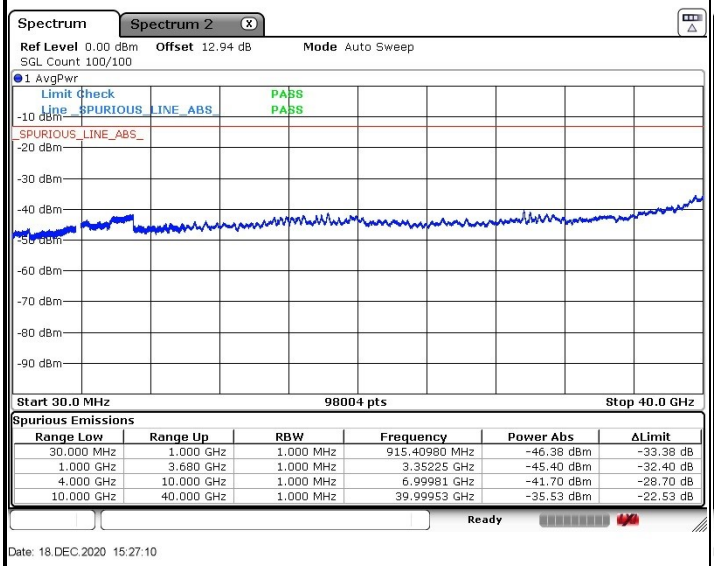
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.68416 MHz	-46.29 dBm	-33.29 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.48818 GHz	-45.35 dBm	-32.35 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.98744 GHz	-41.45 dBm	-28.45 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.56548 GHz	-35.60 dBm	-22.60 dB

Date: 18.DEC.2020 15:40:22

FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

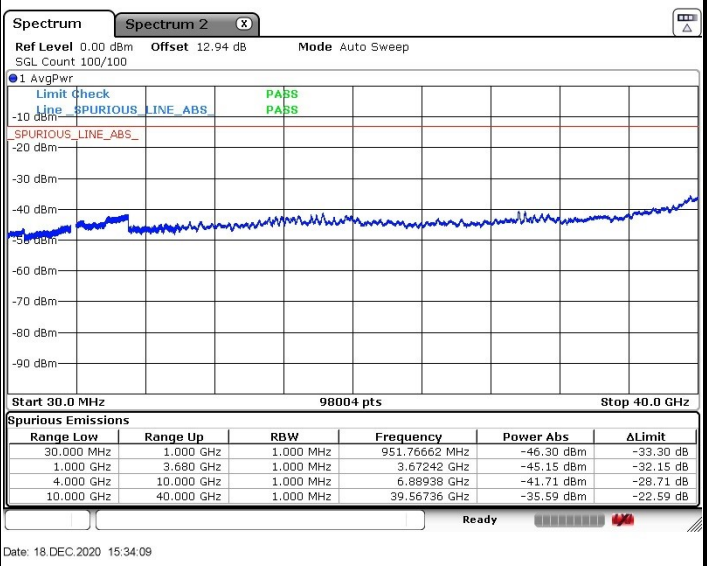


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-46.38 dBm	-33.38 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.35225 GHz	-45.40 dBm	-32.40 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.99981 GHz	-41.70 dBm	-28.70 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.99953 GHz	-35.53 dBm	-22.53 dB

Date: 18.DEC.2020 15:27:10

Middle Channel / 1RB1

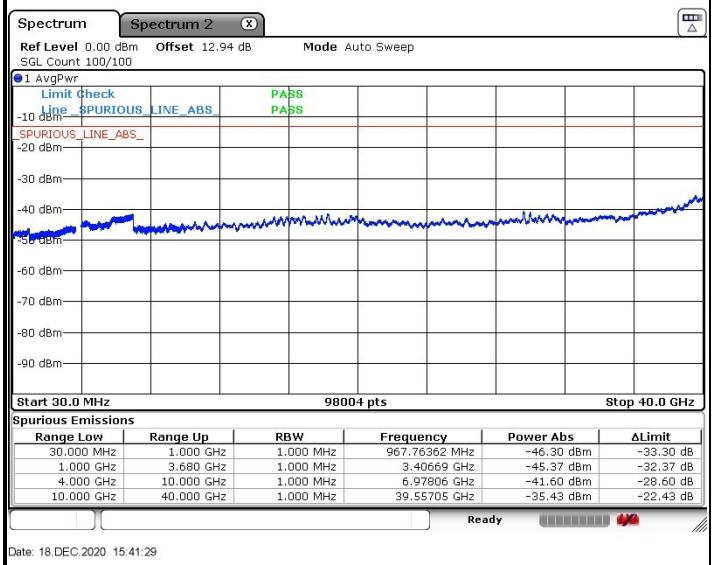


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.67242 GHz	-45.15 dBm	-32.15 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.88938 GHz	-41.71 dBm	-28.71 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.56736 GHz	-35.59 dBm	-22.59 dB

Date: 18.DEC.2020 15:34:09

Highest Channel / 1RB1



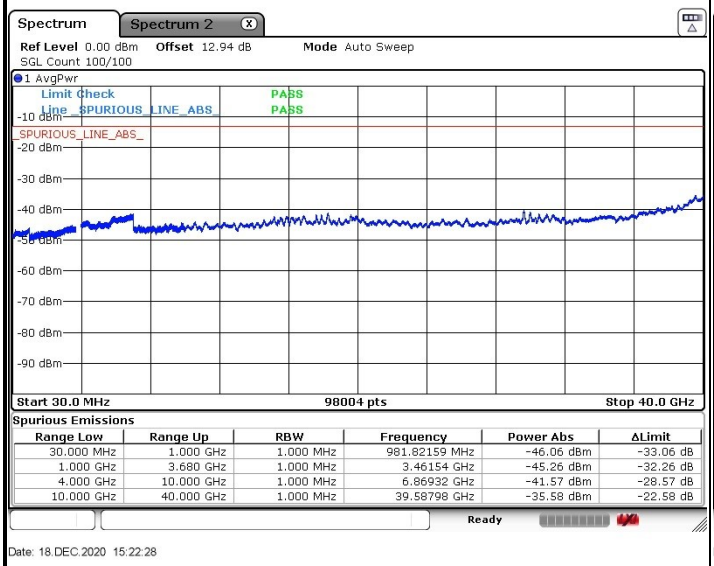
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	3.680 GHz	1.000 MHz	3.40669 GHz	-45.37 dBm	-32.37 dB
4.000 GHz	10.000 GHz	1.000 MHz	6.97806 GHz	-41.60 dBm	-28.60 dB
10.000 GHz	40.000 GHz	1.000 MHz	39.55705 GHz	-35.43 dBm	-22.43 dB

Date: 18.DEC.2020 15:41:29

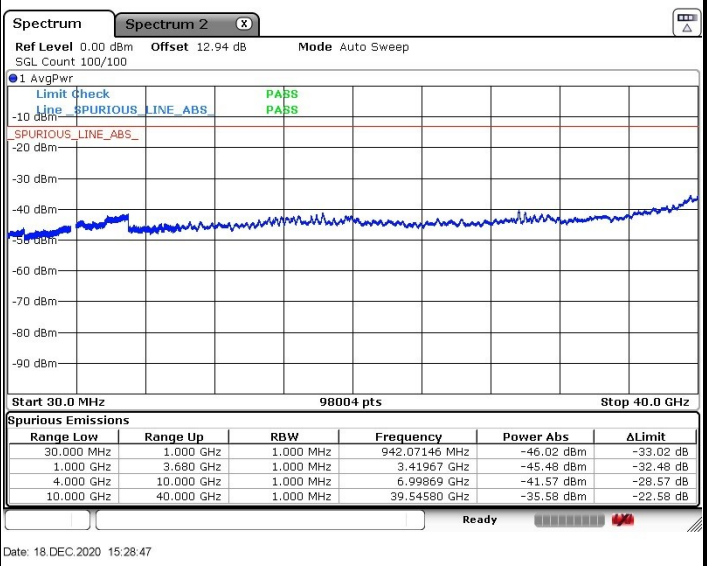
FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1



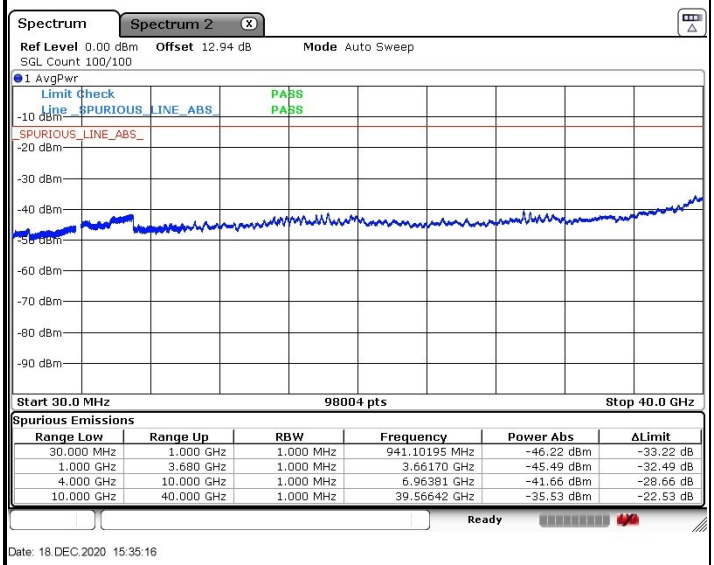
Date: 18.DEC.2020 15:22:28

Middle Channel / 1RB1



Date: 18.DEC.2020 15:28:47

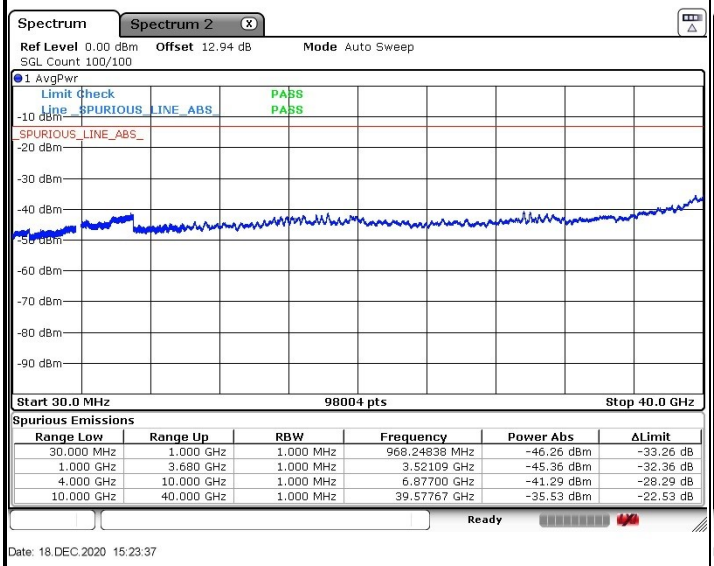
Highest Channel / 1RB1



Date: 18.DEC.2020 15:35:16

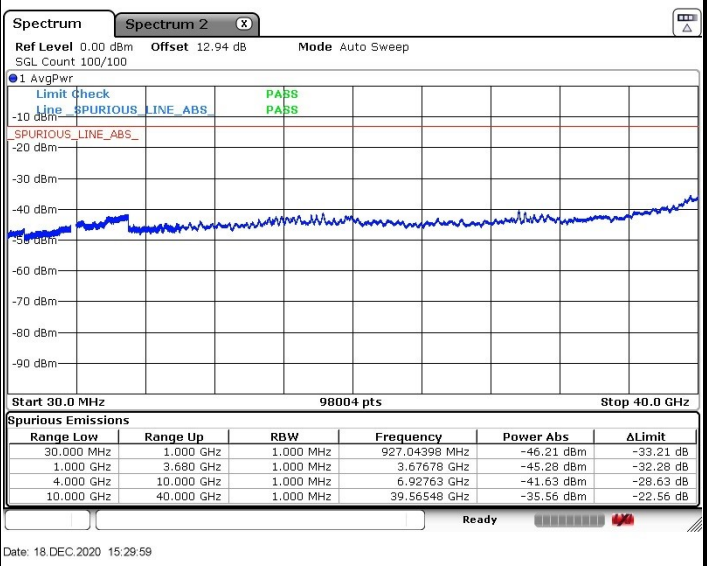
FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB1



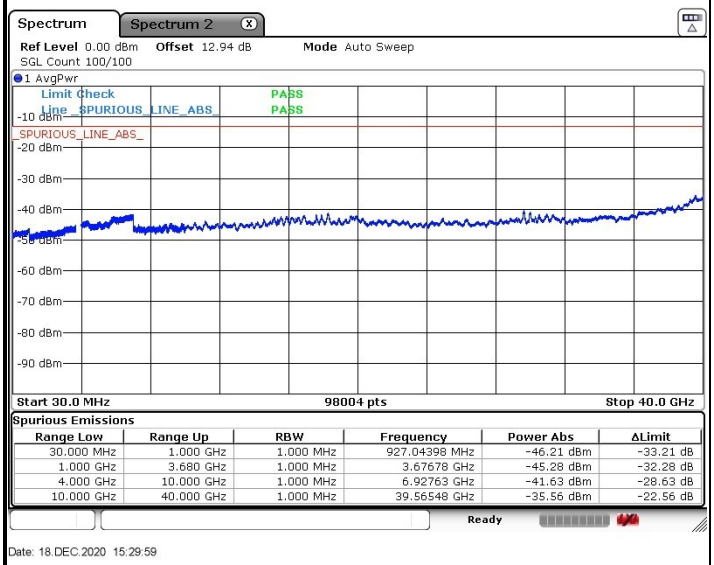
Date: 18.DEC.2020 15:23:37

Middle Channel / 1RB1



Date: 18.DEC.2020 15:29:59

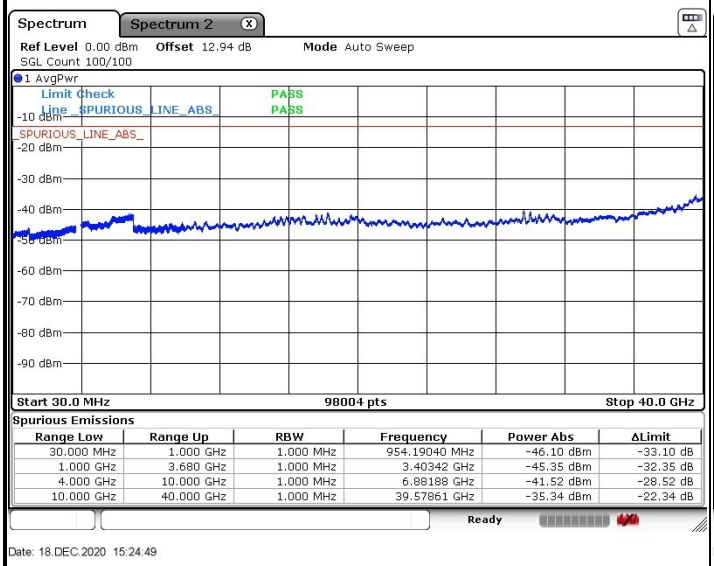
Highest Channel / 1RB1



Date: 18.DEC.2020 15:29:59

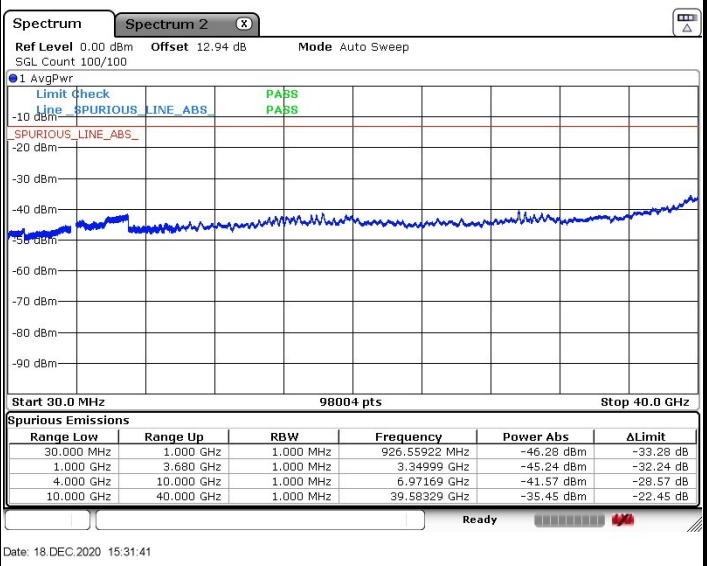
FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB1



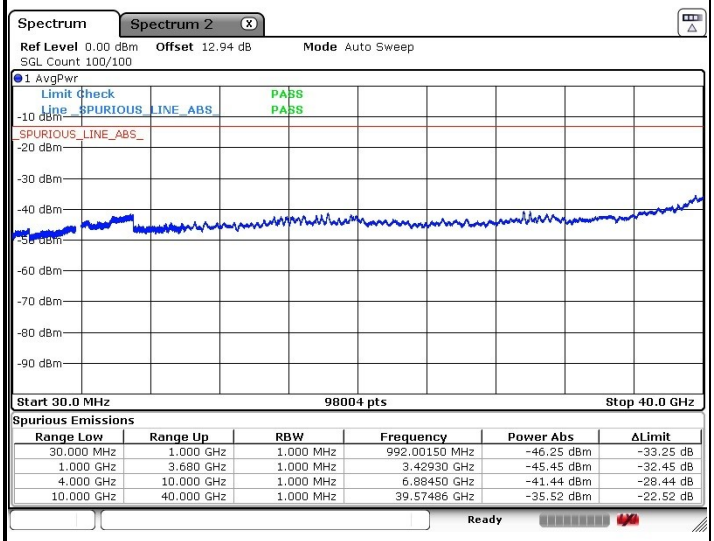
Date: 18.DEC.2020 15:24:49

Middle Channel / 1RB1



Date: 18.DEC.2020 15:31:41

Highest Channel / 1RB1



Date: 18.DEC.2020 15:39:06

Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654	-59.31	-13	-46.31	-66.28	1.58	10.70	H
	2482	-46.41	-13	-33.41	-54.66	2.102	12.50	H
	3312	-62.03	-13	-49.03	-70.92	2.856	13.90	H
	1654	-62.65	-13	-49.65	-69.62	1.58	10.70	V
	2482	-46.64	-13	-33.64	-54.89	2.10	12.50	V
	3312	-62.23	-13	-49.23	-71.12	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n5A / LTE 10MHz + NR 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-65.01	-13	-52.01	-71.98	1.58	10.70	H
	2480	-50.21	-13	-37.21	-58.46	2.102	12.50	H
	3312	-59.37	-13	-46.37	-68.26	2.856	13.90	H
	1656	-63.97	-13	-50.97	-70.94	1.58	10.70	V
	2482	-47.21	-13	-34.21	-55.46	2.10	12.50	V
	3312	-59.18	-13	-46.18	-68.07	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n7A / LTE 10MHz + NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-61.26	-25	-36.26	-71.47	3.03	13.24	H
	7580	-58.21	-25	-33.21	-67.66	3.56	13.01	H
	10100	-56.99	-25	-31.99	-66.51	3.92	13.44	H
	5052	-62.48	-25	-37.48	-72.69	3.03	13.24	V
	7580	-58.82	-25	-33.82	-68.27	3.56	13.01	V
	10100	-57.10	-25	-32.10	-66.62	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n7A / LTE 10MHz + NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-63.88	-25	-38.88	-74.09	3.03	13.24	H
	7580	-58.67	-25	-33.67	-68.12	3.56	13.01	H
	10100	-57.43	-25	-32.43	-66.95	3.92	13.44	H
	5052	-63.53	-25	-38.53	-73.74	3.03	13.24	V
	7580	-57.68	-25	-32.68	-67.13	3.56	13.01	V
	10100	-57.49	-25	-32.49	-67.01	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n66A / LTE 10MHz + NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-60.25	-13	-47.25	-70.99	2.604	13.34	H
	5208	-51.41	-13	-38.41	-61.92	3.011	13.52	H
	6944.36	-50.73	-13	-37.73	-60.93	3.271	13.47	H
	3472	-60.22	-13	-47.22	-70.96	2.604	13.34	V
	5208	-53.41	-13	-40.41	-63.92	3.011	13.52	V
	6944.36	-50.74	-13	-37.74	-60.94	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_12A_n77A / LTE 10MHz + NR 100MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7590	-60.86	-13	-47.86	-71.34	2.76	13.24	H
	11388	-58.02	-13	-45.02	-67.61	3.42	13.01	H
	15180	-58.24	-13	-45.24	-67.85	3.83	13.44	H
	7590	-60.49	-13	-47.49	-70.93	2.80	13.24	V
	11388	-58.18	-13	-45.18	-67.73	3.46	13.01	V
	15180	-57.92	-13	-44.92	-67.48	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.