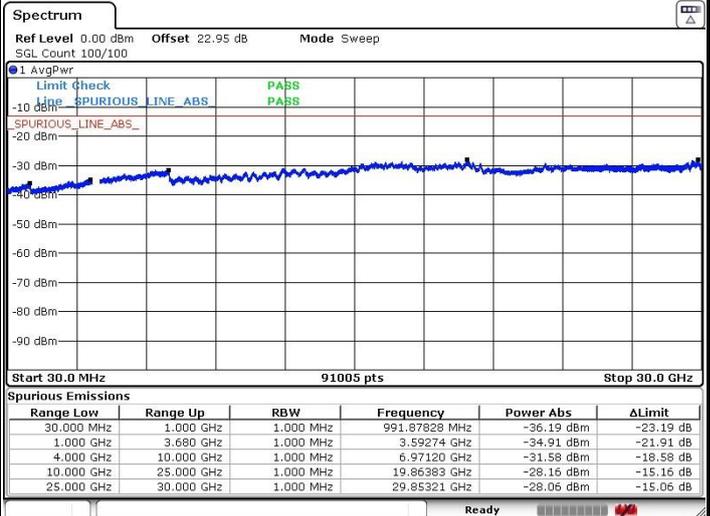
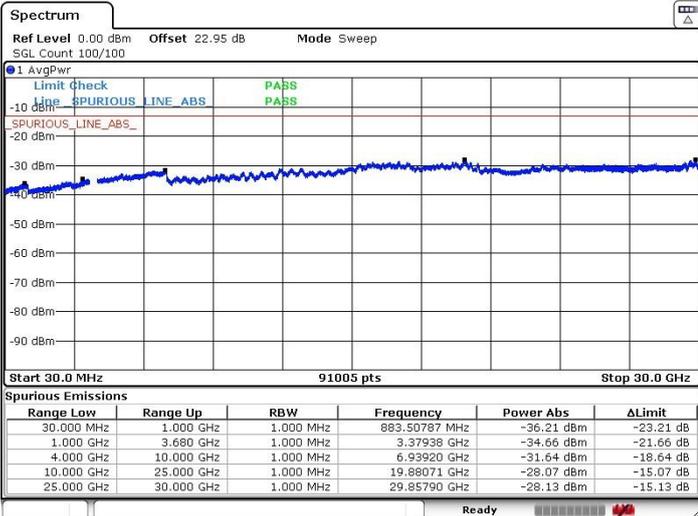




FR1 n77 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

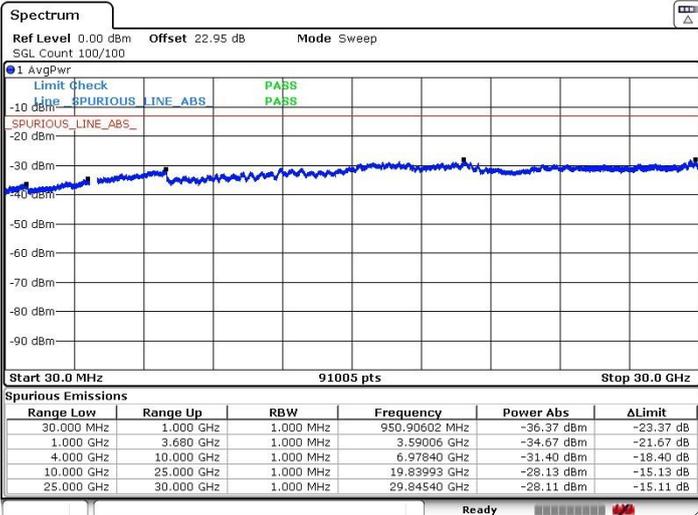
Middle Channel / 1RB0



Date: 9 DEC.2020 14:31:22

Date: 9 DEC.2020 14:30:28

Highest Channel / 1RB0



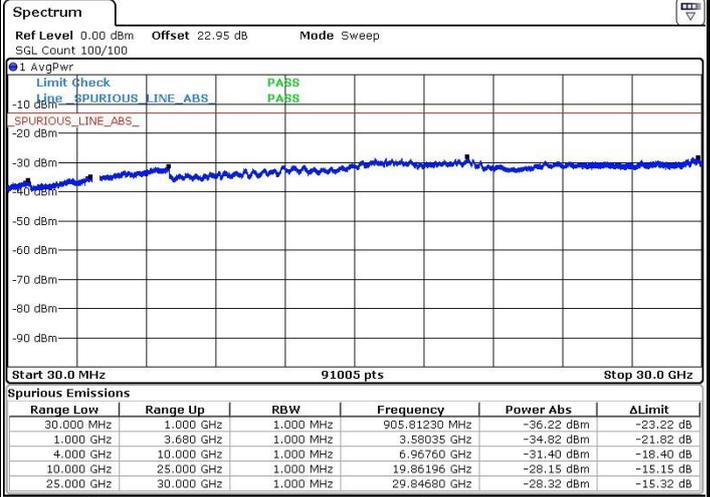
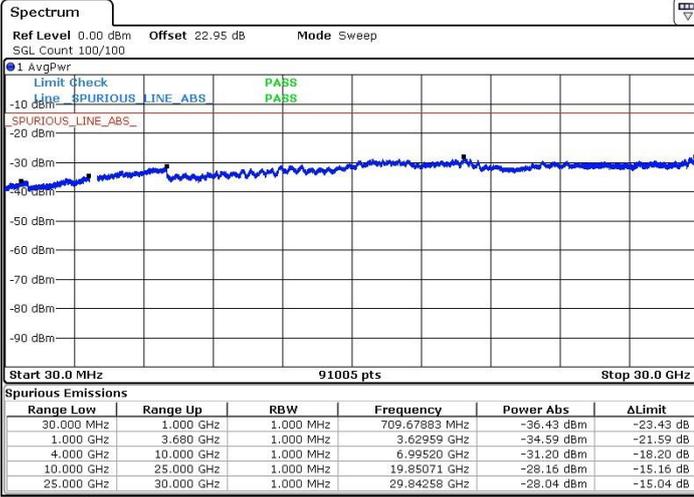
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FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

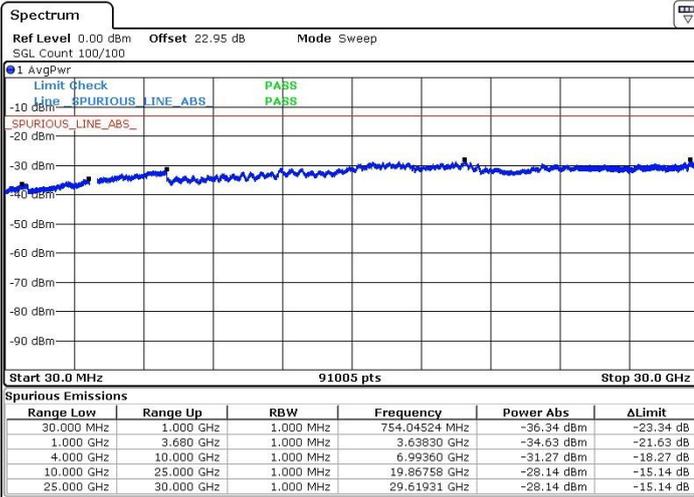
Middle Channel / 1RB0



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Date: 9 DEC.2020 14:17:15

Highest Channel / 1RB0



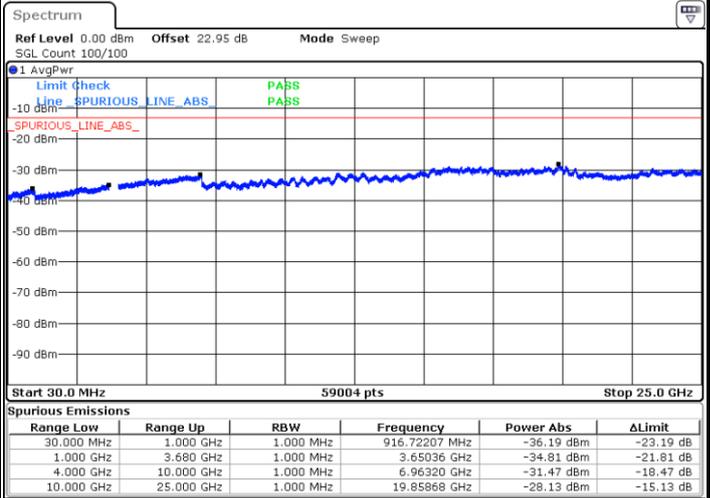
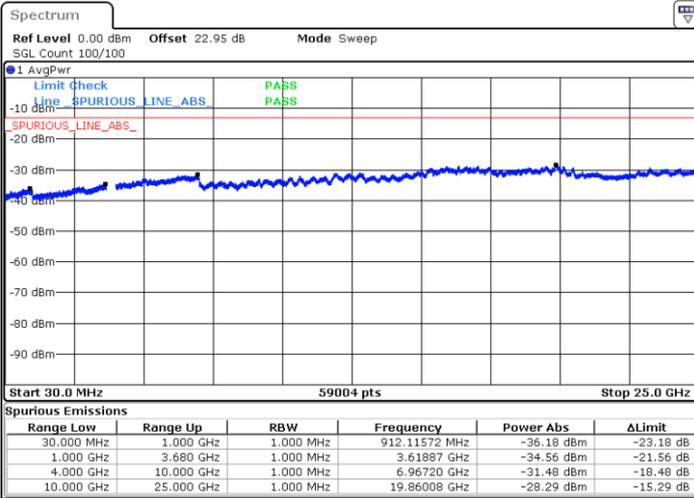
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FR1 n77 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

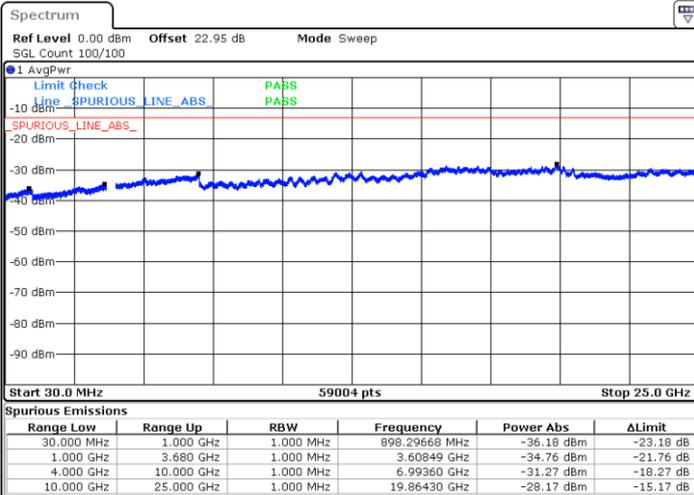
Middle Channel / 1RB0



Date: 9 DEC.2020 13:47:47

Date: 9 DEC.2020 13:49:30

Highest Channel / 1RB0



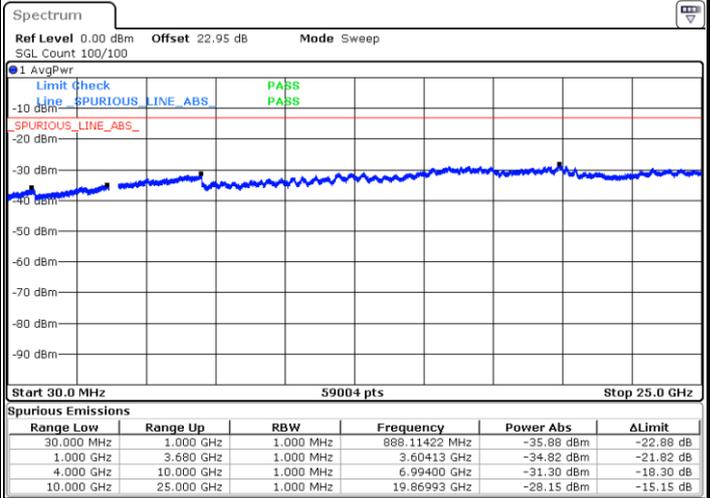
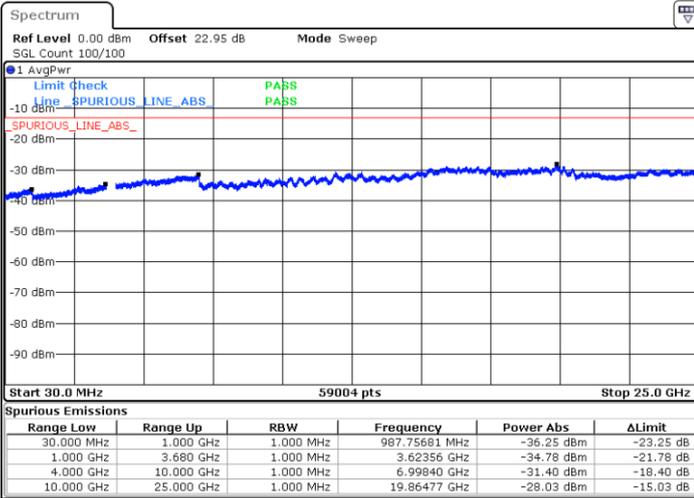
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FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

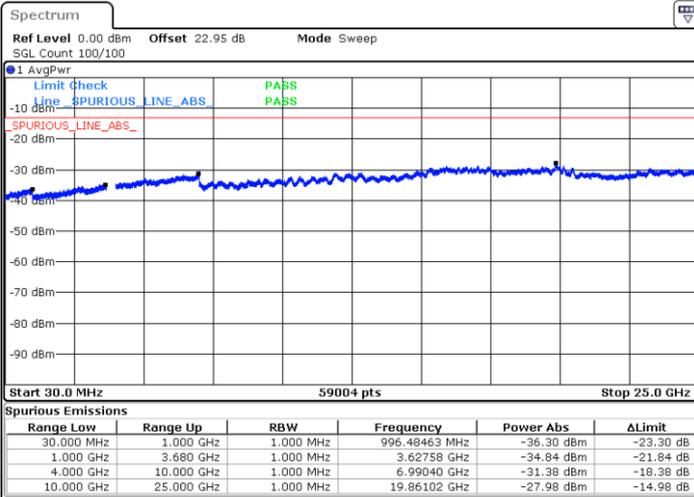
Middle Channel / 1RB0



Date: 9 DEC.2020 11:01:04

Date: 9 DEC.2020 10:59:18

Highest Channel / 1RB0



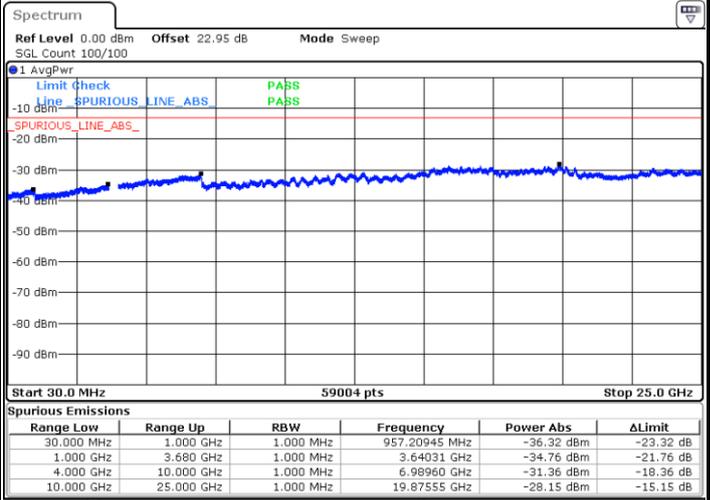
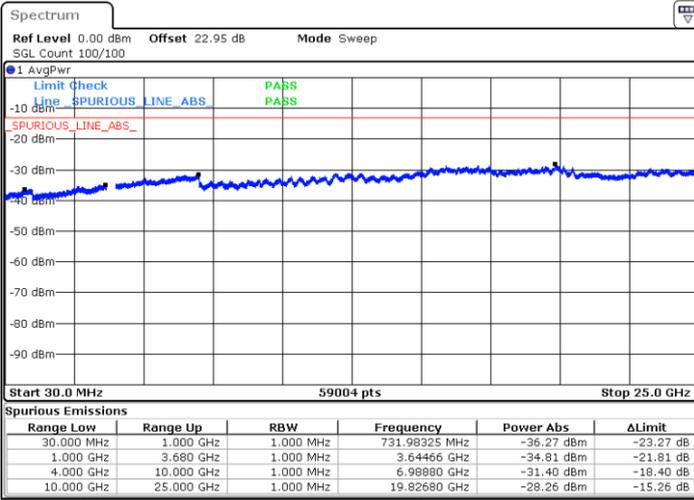
Date: 9 DEC.2020 10:57:31



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

Lowest Channel / 1RB0

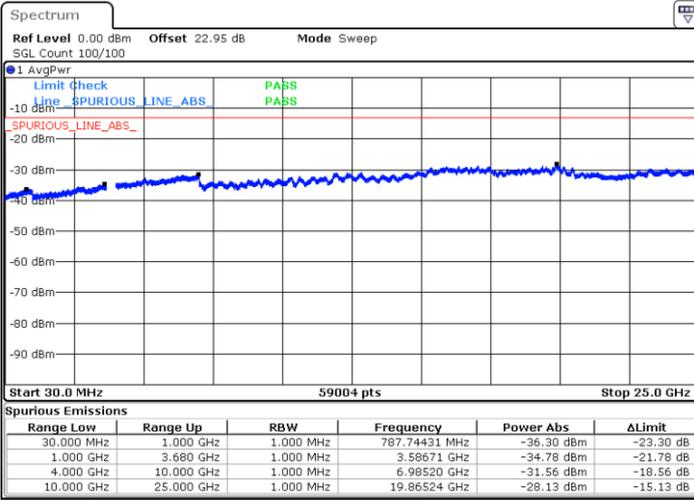
Middle Channel / 1RB0



Date: 9 DEC.2020 10:27:18

Date: 9 DEC.2020 10:25:14

Highest Channel / 1RB0



Date: 9 DEC.2020 10:22:33



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. .Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

5G NR n41 / 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	5096	-62.02	-25	-37.02	-72.23	3.03	13.24	H
	7644	-60.85	-25	-35.85	-70.30	3.56	13.01	H
	10190	-58.90	-25	-33.90	-68.42	3.92	13.44	H
	5096	-62.63	-25	-37.63	-72.84	3.03	13.24	V
	7644	-61.06	-25	-36.06	-70.51	3.56	13.01	V
	10190	-59.40	-25	-34.40	-68.92	3.92	13.44	V

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

5G NR n41_UL_MIMO / 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	5096	-60.73	-25	-35.73	-70.94	3.03	13.24	H
	7644	-61.01	-25	-36.01	-70.46	3.56	13.01	H
	10190	-58.58	-25	-33.58	-68.10	3.92	13.44	H
	5096	-61.77	-25	-36.77	-71.98	3.03	13.24	V
	7644	-60.94	-25	-35.94	-70.39	3.56	13.01	V
	10190	-58.84	-25	-33.84	-68.36	3.92	13.44	V

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

5G NR n77 / 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	-61.03	-13	-48.03	-71.77	2.604	13.34	H
	11388	-58.27	-13	-45.27	-68.78	3.011	13.52	H
	15180	-58.09	-13	-45.09	-68.29	3.271	13.47	H
	7590	-60.90	-13	-47.90	-71.64	2.604	13.34	V
	11388	-58.30	-13	-45.30	-68.81	3.011	13.52	V
	15180	-58.31	-13	-45.31	-68.51	3.271	13.47	V

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



5G NR n77_UL_MIMO / 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	-61.12	-13	-48.12	-71.86	2.604	13.34	H
	11388	-56.21	-13	-43.21	-66.72	3.011	13.52	H
	15180	-55.89	-13	-42.89	-66.09	3.271	13.47	H
	7590	-61.25	-13	-48.25	-71.99	2.604	13.34	V
	11388	-57.60	-13	-44.60	-68.11	3.011	13.52	V
	15180	-55.84	-13	-42.84	-66.04	3.271	13.47	V

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