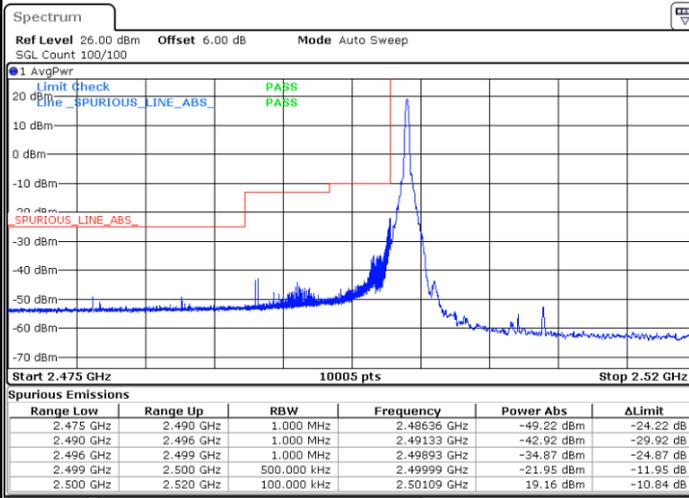




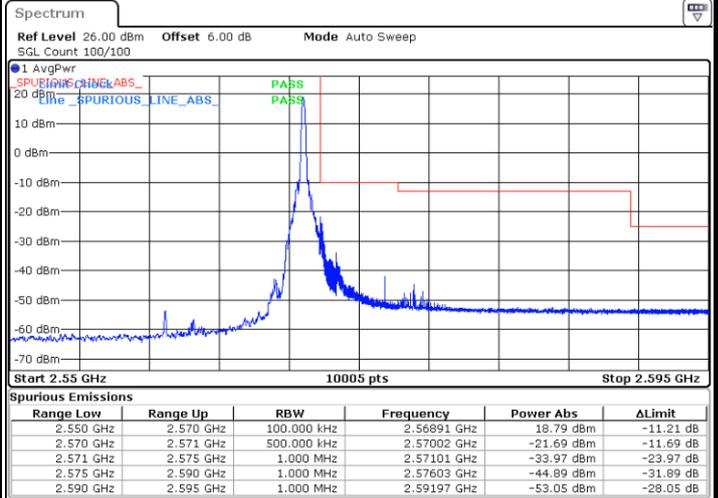
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



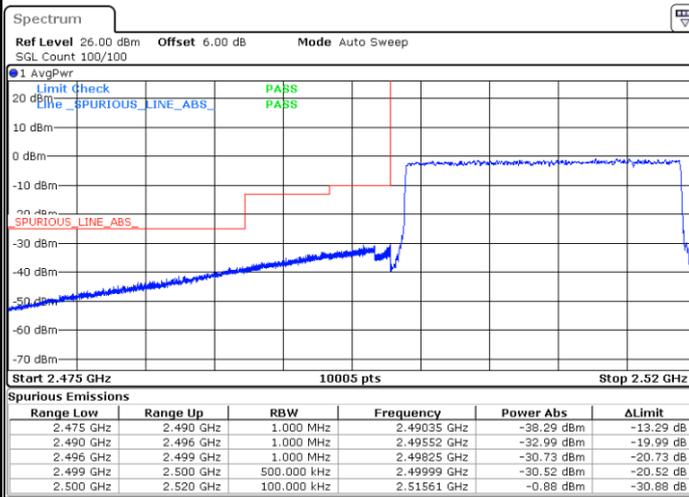
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Highest Band Edge / 1 RB



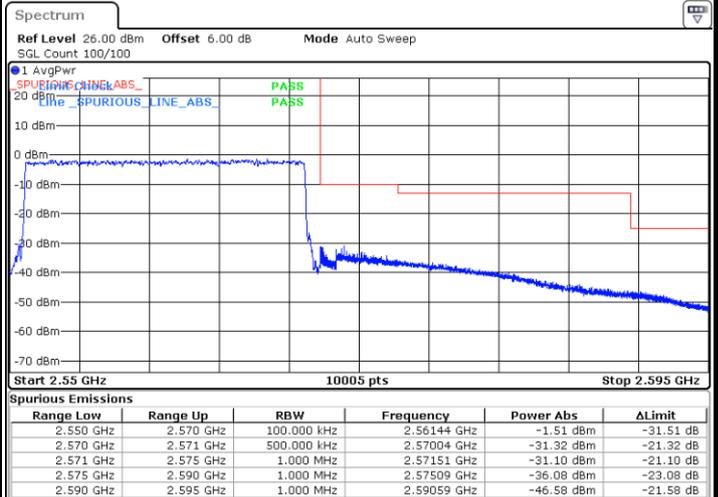
Date: 21.NOV.2021 18:10:09

Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:07:01

Highest Band Edge / Full RB

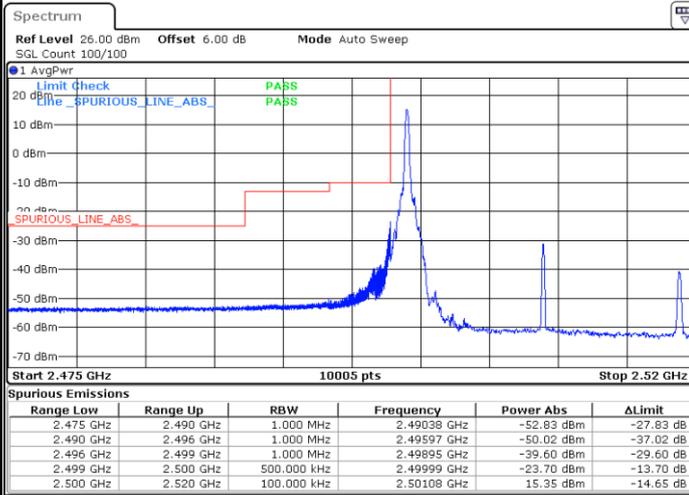


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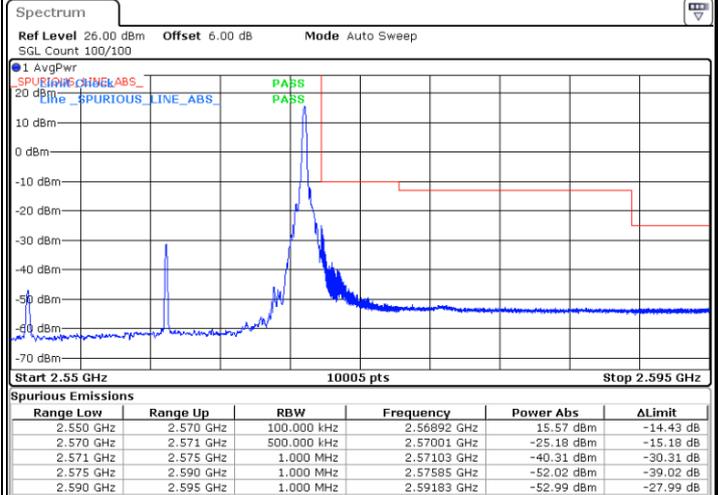
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB



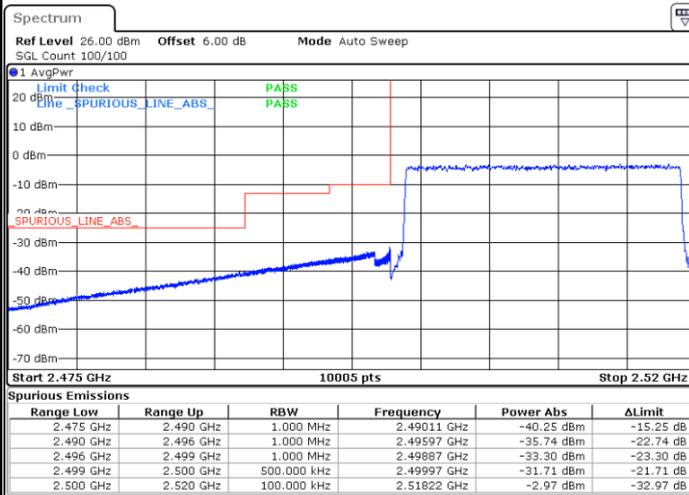
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Highest Band Edge / 1 RB



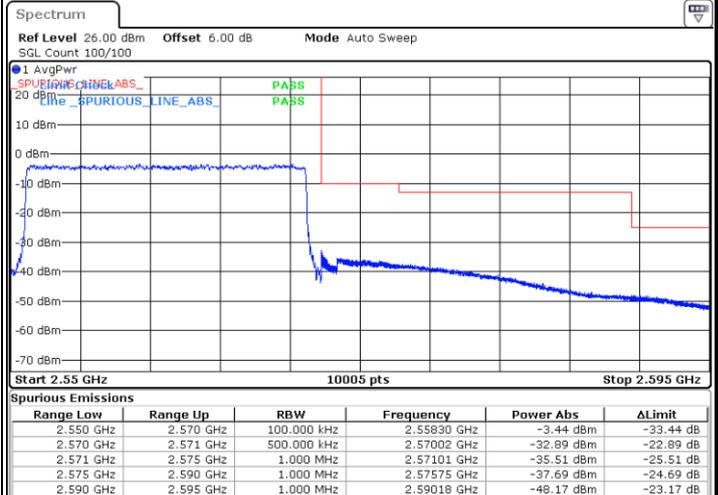
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Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:07:16

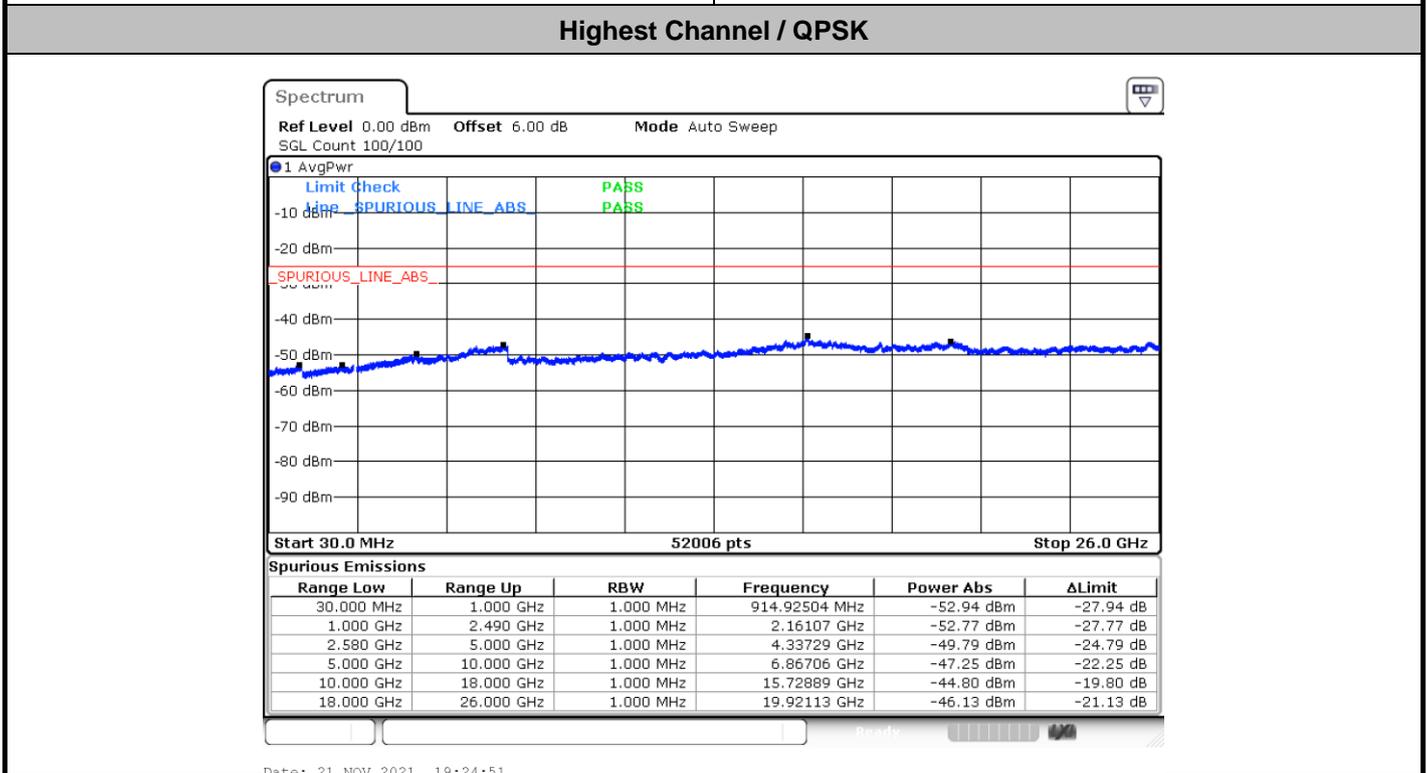
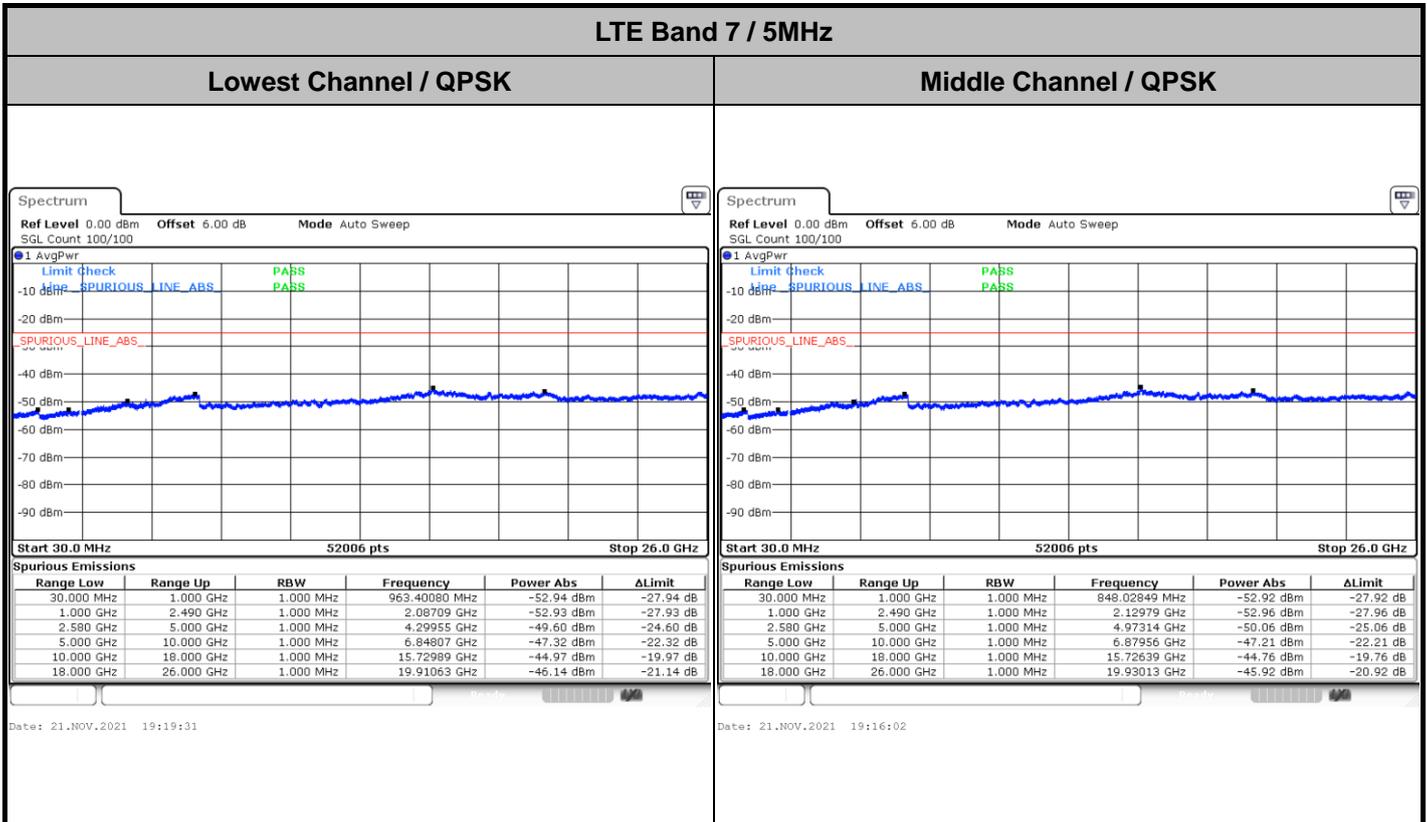
Highest Band Edge / Full RB



Date: 21.NOV.2021 18:08:52



Conducted Spurious EmissionFF

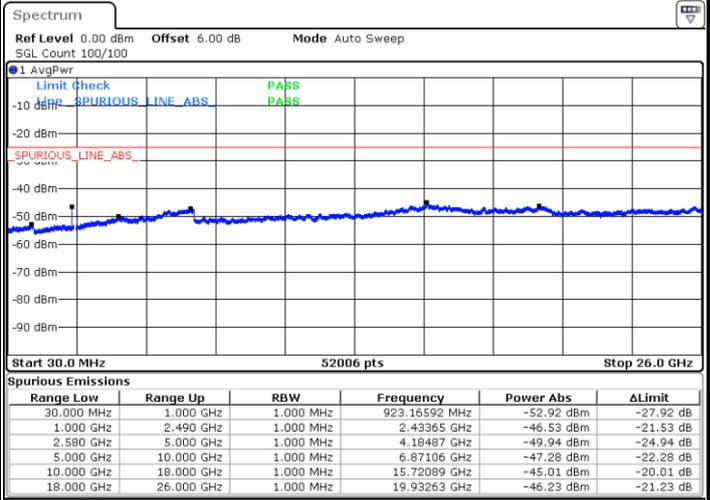
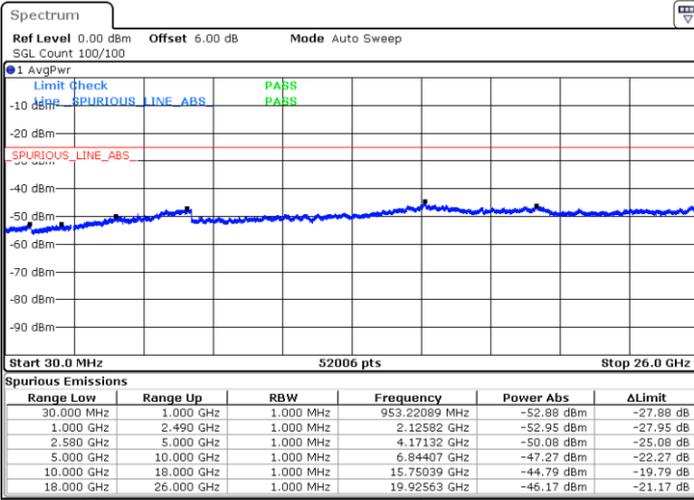




LTE Band 7 / 10MHz

Lowest Channel / QPSK

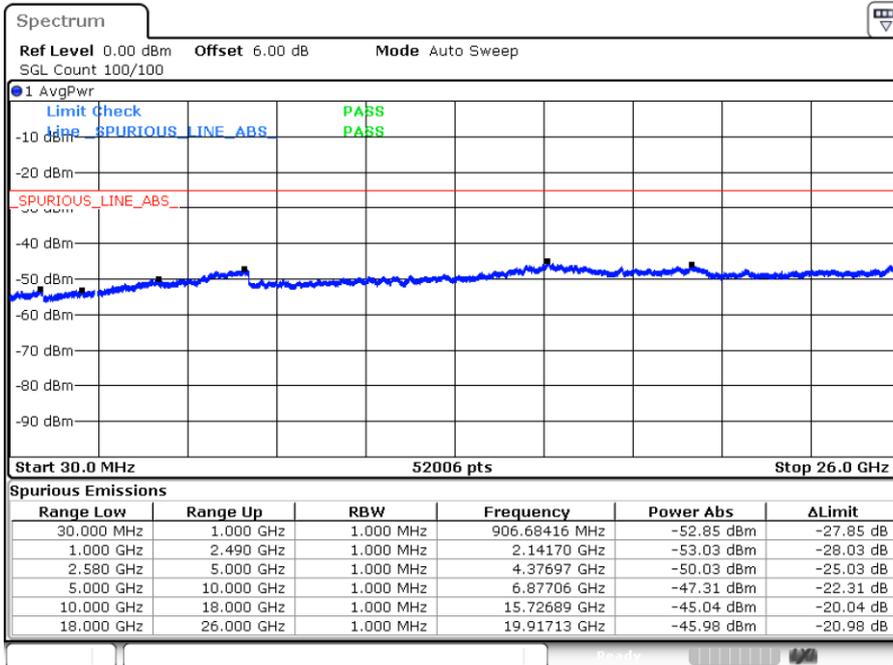
Middle Channel / QPSK



Date: 21.NOV.2021 19:01:29

Date: 21.NOV.2021 18:59:57

Highest Channel / QPSK



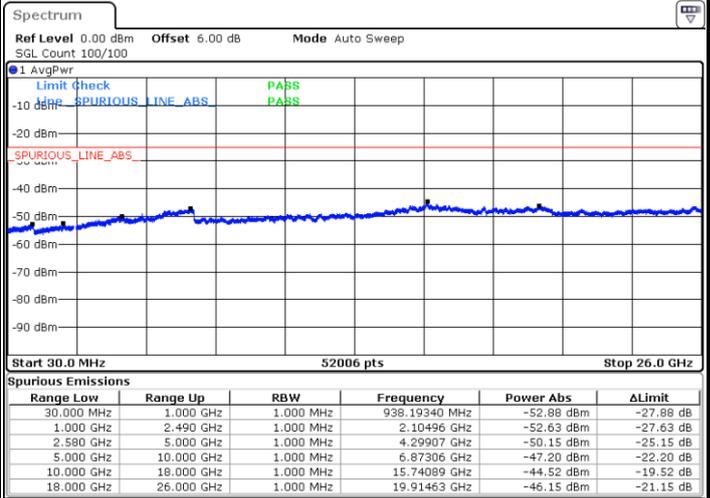
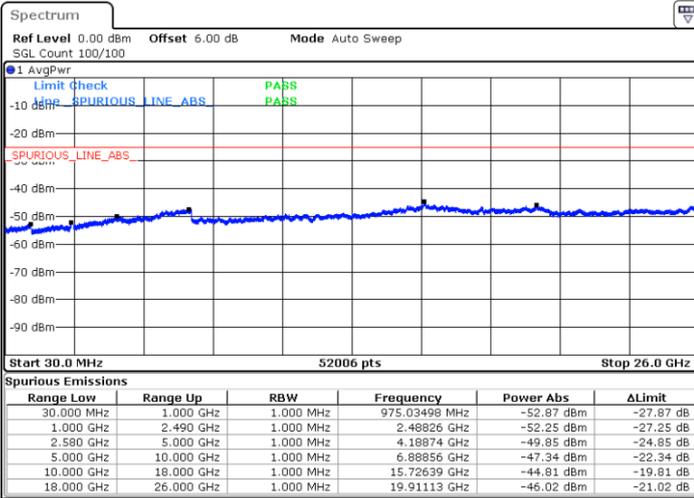
Date: 21.NOV.2021 19:11:45



LTE Band 7 / 15MHz

Lowest Channel / QPSK

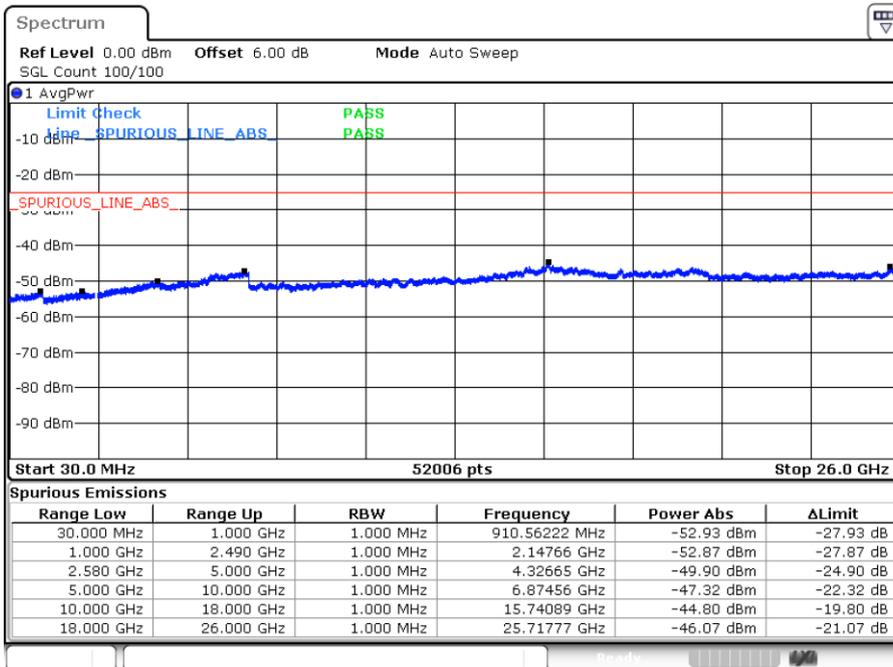
Middle Channel / QPSK



Date: 21.NOV.2021 18:42:02

Date: 21.NOV.2021 18:40:35

Highest Channel / QPSK



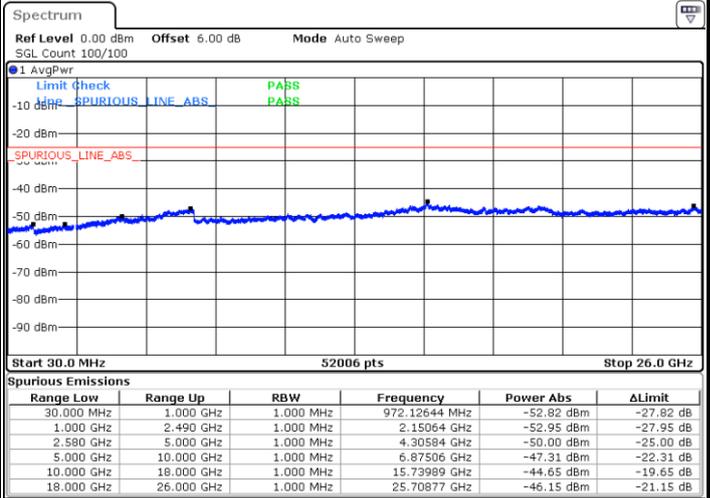
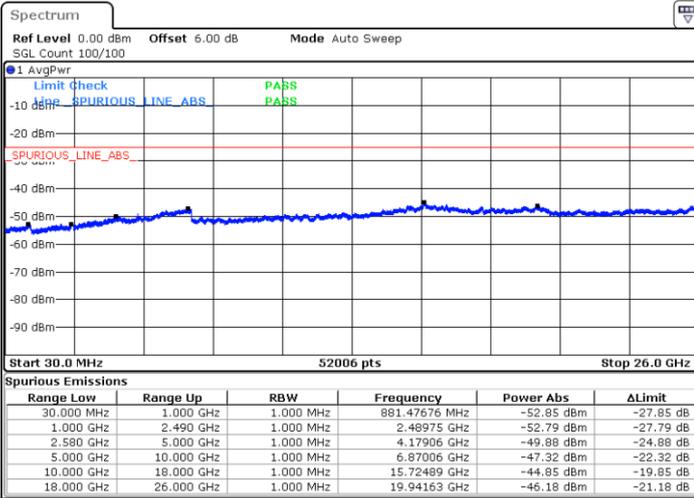
Date: 21.NOV.2021 18:58:12



LTE Band 7 / 20MHz

Lowest Channel / QPSK

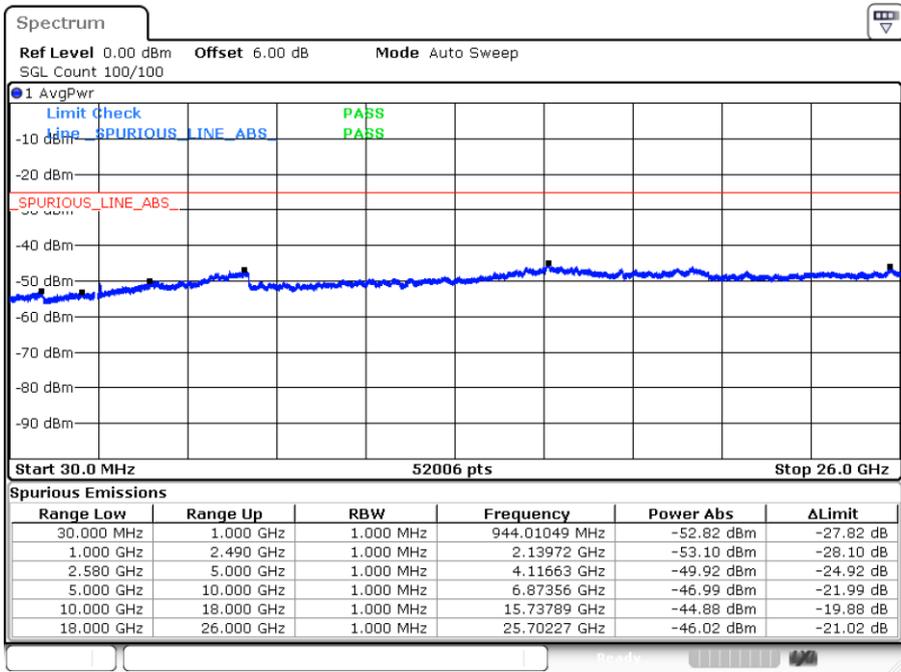
Middle Channel / QPSK



Date: 21.NOV.2021 18:38:54

Date: 21.NOV.2021 17:54:52

Highest Channel / QPSK



Date: 21.NOV.2021 18:12:09



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 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

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 7 / 20MHz / 16QAM Ant 3								
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	-54.39	-25	-29.39	-64.60	3.03	13.24	H
	7576	-60.77	-25	-35.77	-70.22	3.56	13.01	H
	10100	-59.88	-25	-34.88	-69.40	3.92	13.44	H
	5052	-53.41	-25	-28.41	-63.62	3.03	13.24	V
	7576	-61.20	-25	-36.20	-70.65	3.56	13.01	V
	10100	-59.78	-25	-34.78	-69.30	3.92	13.44	V

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

LTE Band 41 / 20MHz / 16QAM Ant 3								
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	5168	-51.73	-25	-26.73	-61.94	3.03	13.24	H
	7752	-60.41	-25	-35.41	-69.86	3.56	13.01	H
	10340	-58.58	-25	-33.58	-68.10	3.92	13.44	H
	5168	-51.96	-25	-26.96	-62.17	3.03	13.24	V
	7752	-60.47	-25	-35.47	-69.92	3.56	13.01	V
	10340	-58.70	-25	-33.70	-68.22	3.92	13.44	V

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



LTE Band 7C_CA / 20MHz+20MHz / 16QAM Ant 3								
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	5032	-61.50	-25	-36.50	-71.71	3.03	13.24	H
	7548	-61.31	-25	-36.31	-70.76	3.56	13.01	H
	10060	-60.11	-25	-35.11	-69.63	3.92	13.44	H
	5032	-60.65	-25	-35.65	-70.86	3.03	13.24	V
	7548	-61.03	-25	-36.03	-70.48	3.56	13.01	V
	10060	-59.94	-25	-34.94	-69.46	3.92	13.44	V

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

LTE Band 38C_CA / 20MHz+20MHz / 16QAM Ant 3								
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	5152	-62.24	-25	-37.24	-72.45	3.03	13.24	H
	7728	-61.43	-25	-36.43	-70.88	3.56	13.01	H
	10300	-59.06	-25	-34.06	-68.58	3.92	13.44	H
	5152	-61.74	-25	-36.74	-71.95	3.03	13.24	V
	7728	-61.32	-25	-36.32	-70.77	3.56	13.01	V
	10300	-58.68	-25	-33.68	-68.20	3.92	13.44	V

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