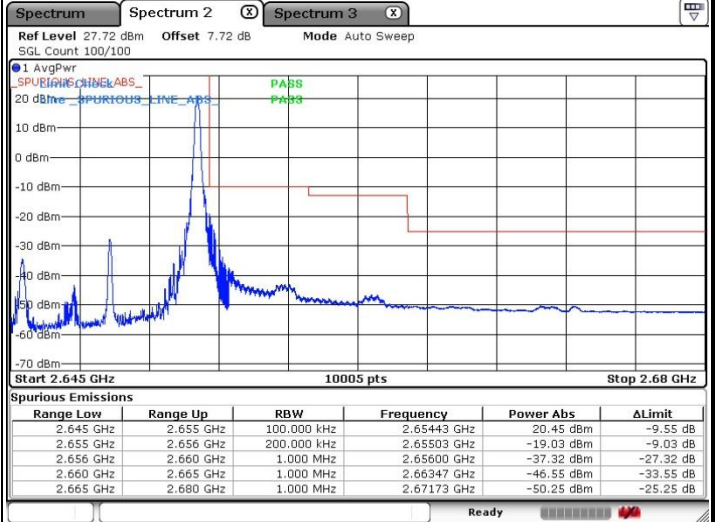
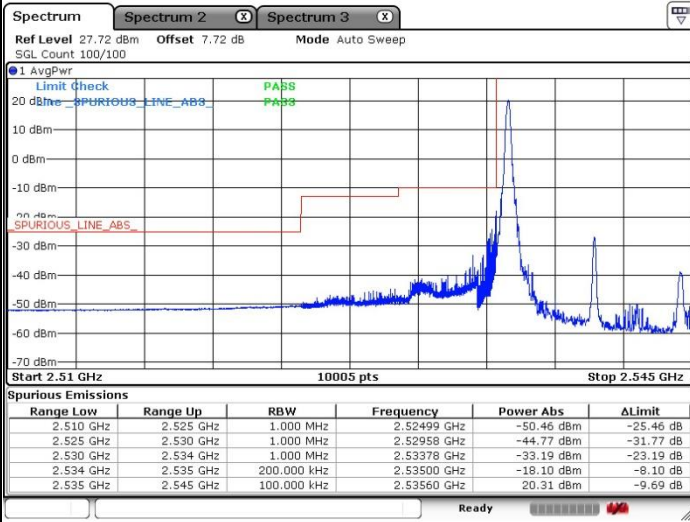




LTE Band 41 / 10MHz / 64QAM

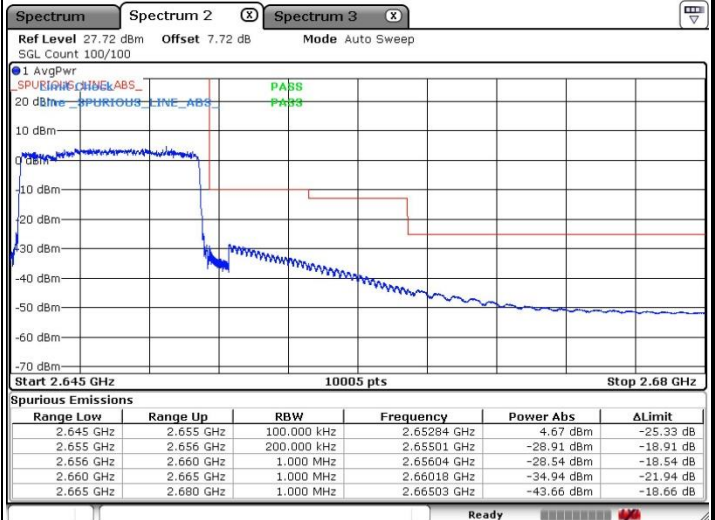
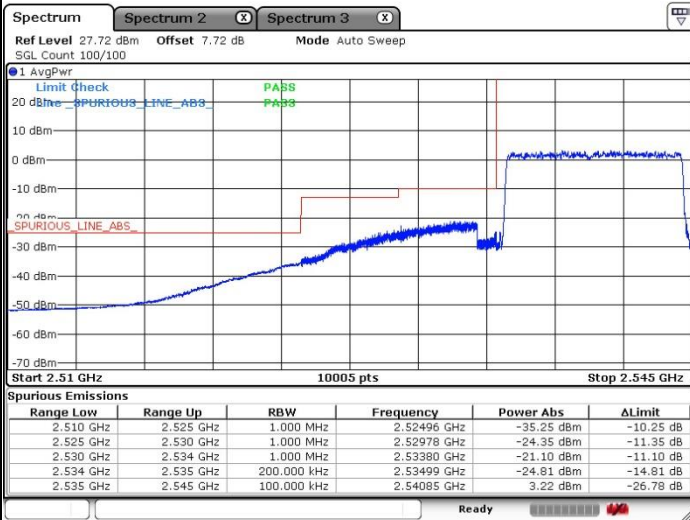
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

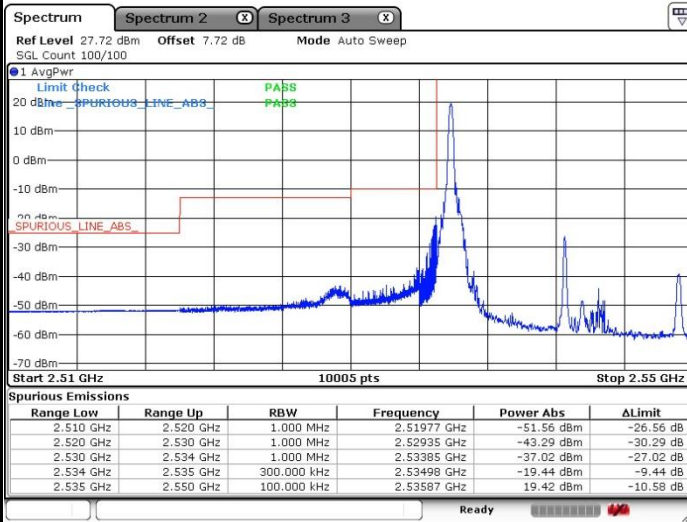
Highest Band Edge / Full RB



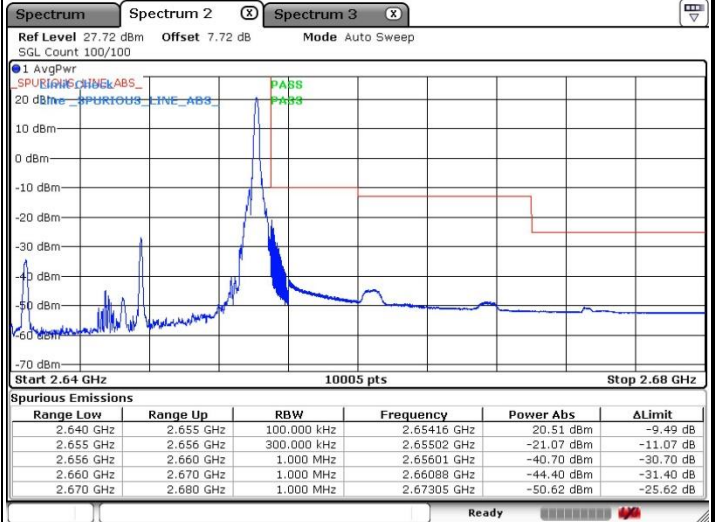


LTE Band 41 / 15MHz / 64QAM

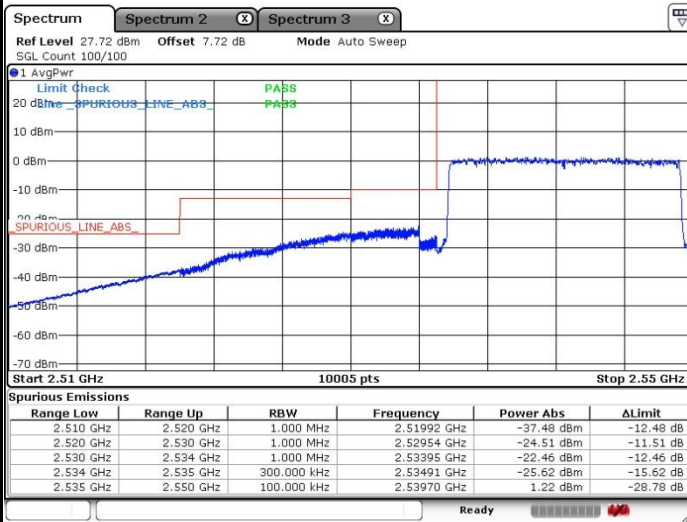
Lowest Band Edge / 1 RB



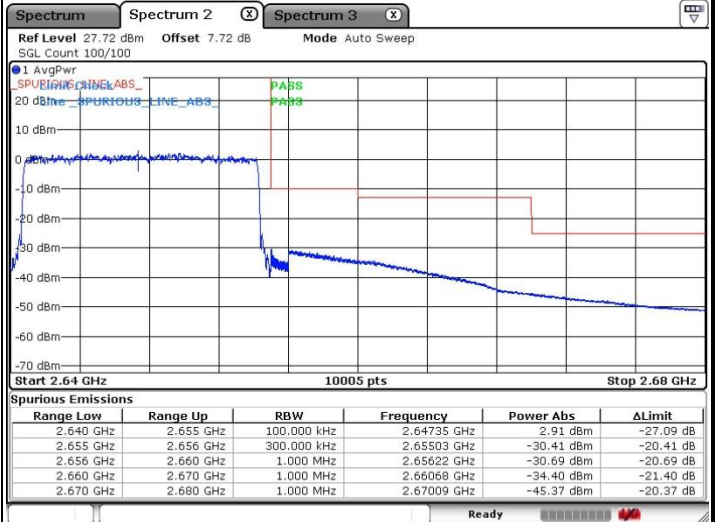
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



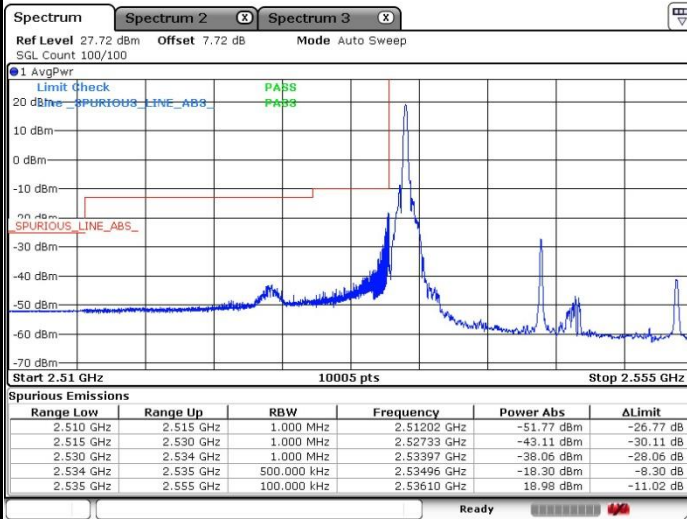
Highest Band Edge / Full RB



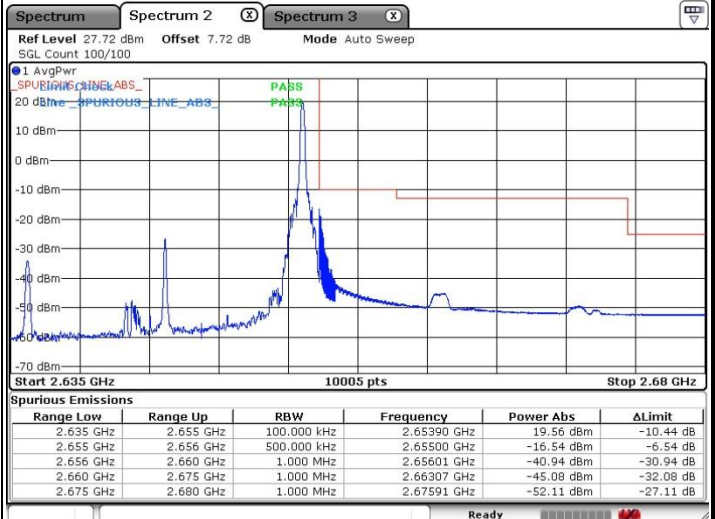


LTE Band 41 / 20MHz / 64QAM

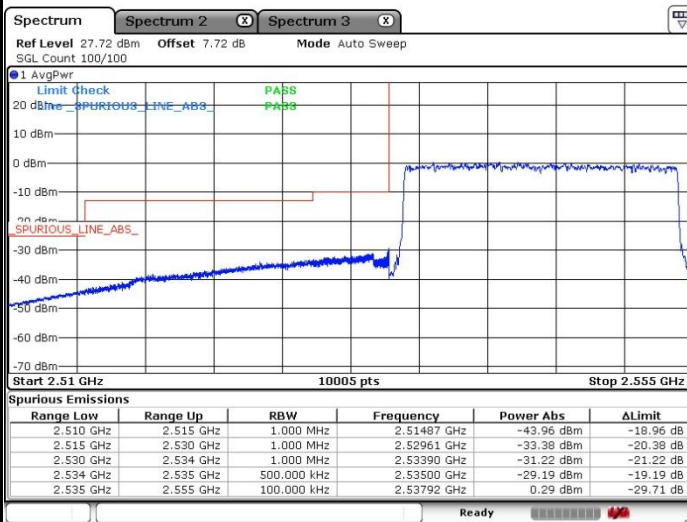
Lowest Band Edge / 1 RB



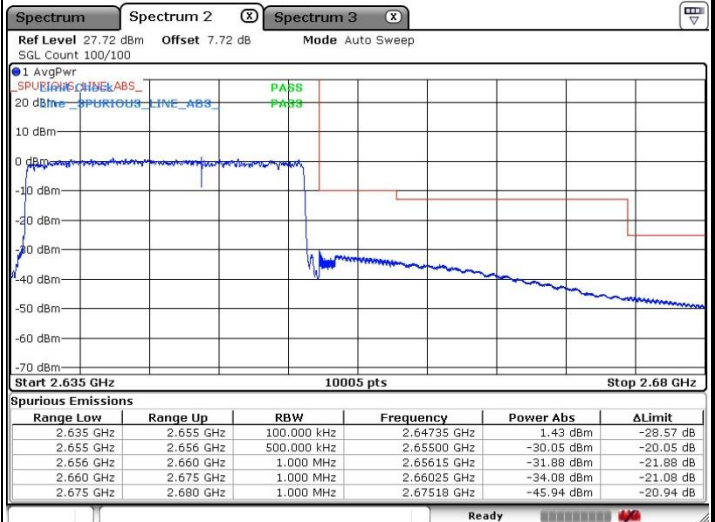
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

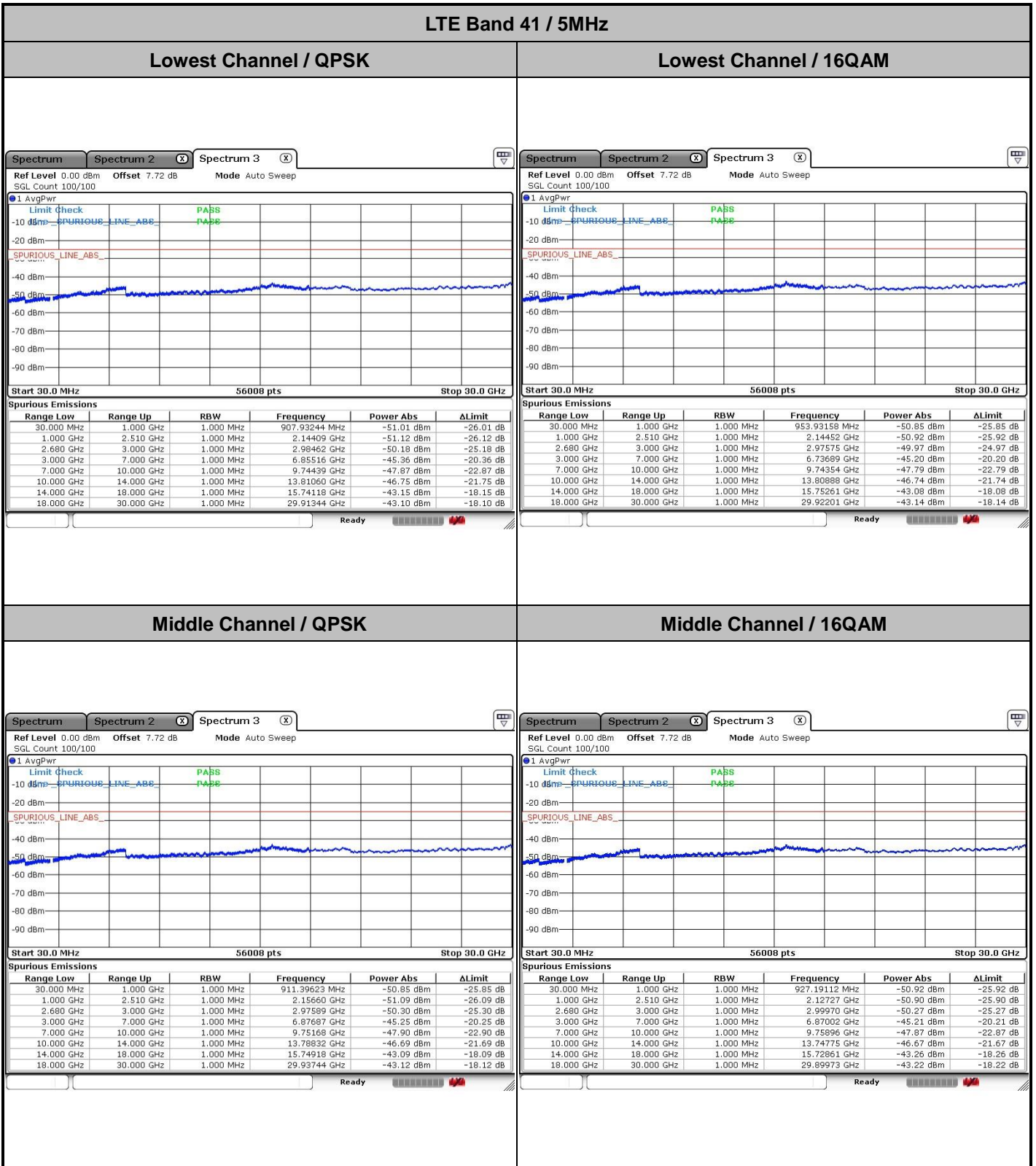


Highest Band Edge / Full RB





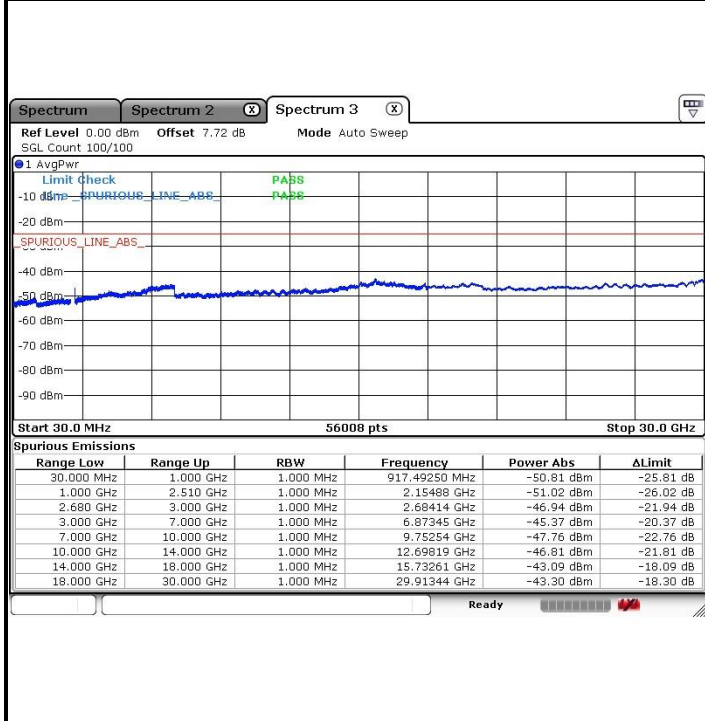
# Conducted Spurious Emission



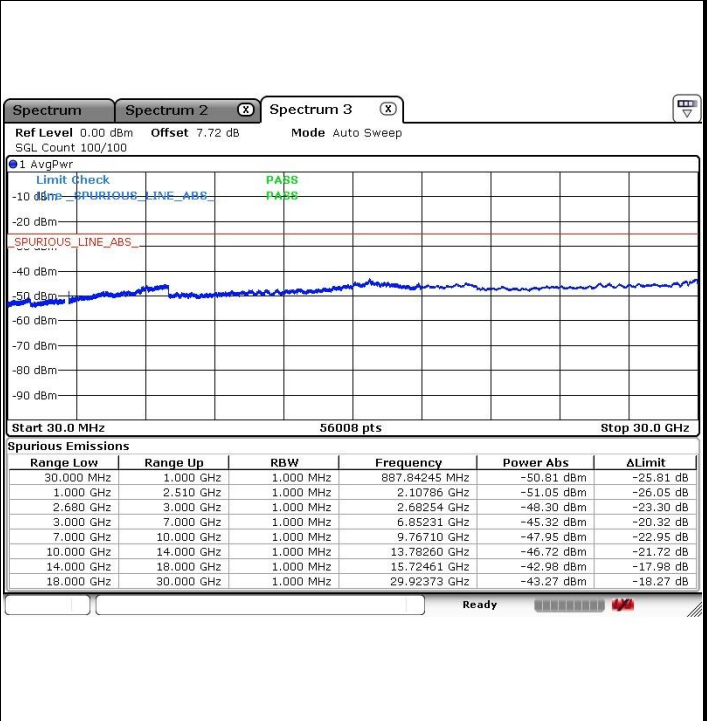


LTE Band 41 / 5MHz

Highest Channel / QPSK

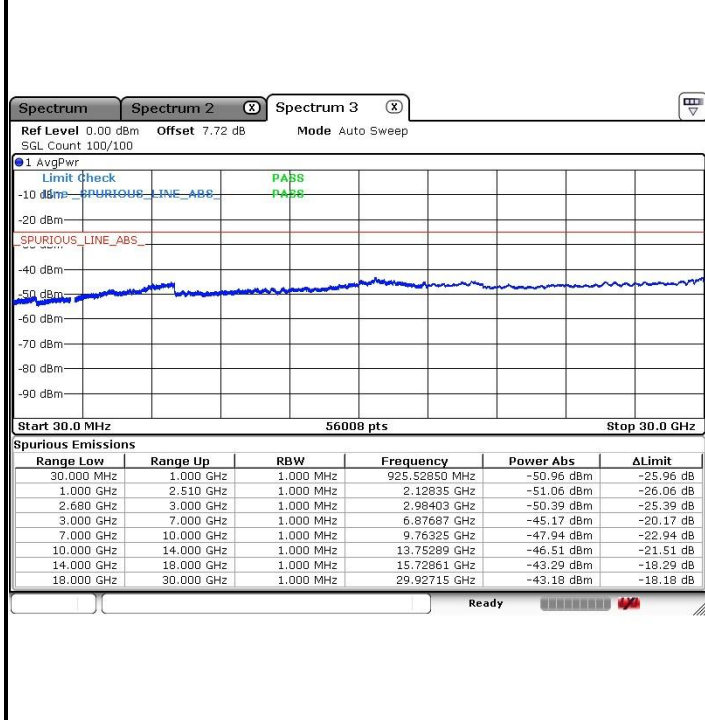


Highest Channel / 16QAM

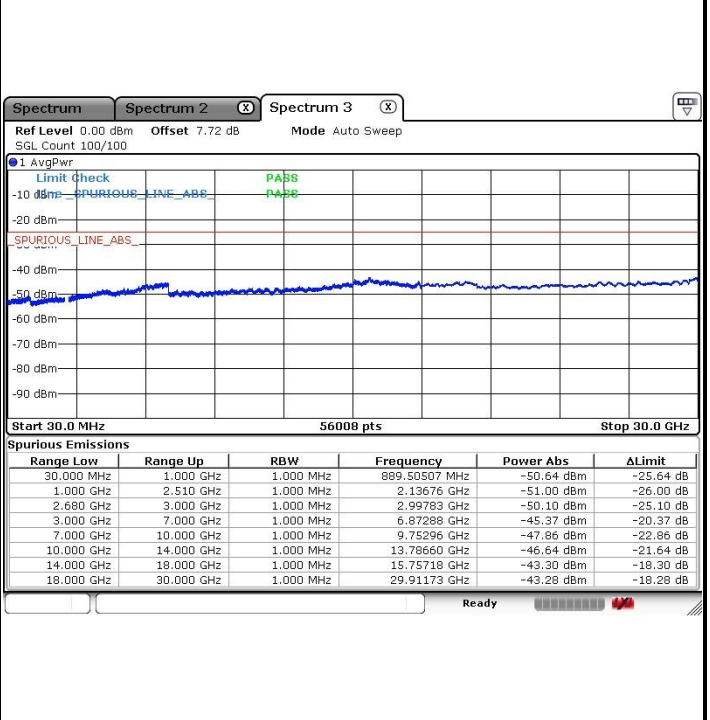


LTE Band 41 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

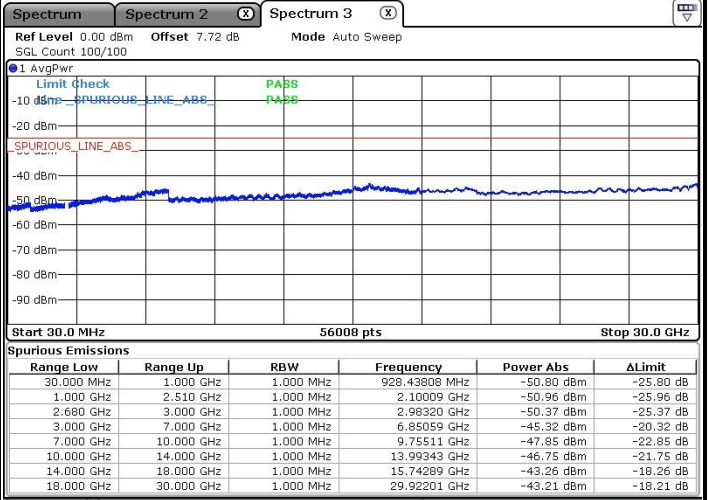
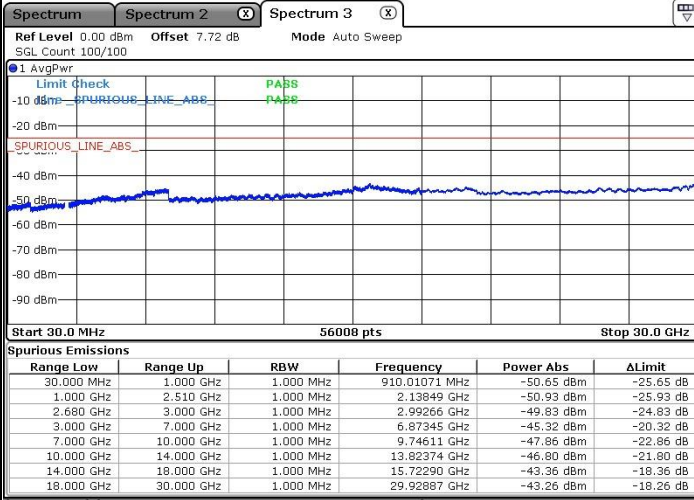




LTE Band 41 / 10MHz

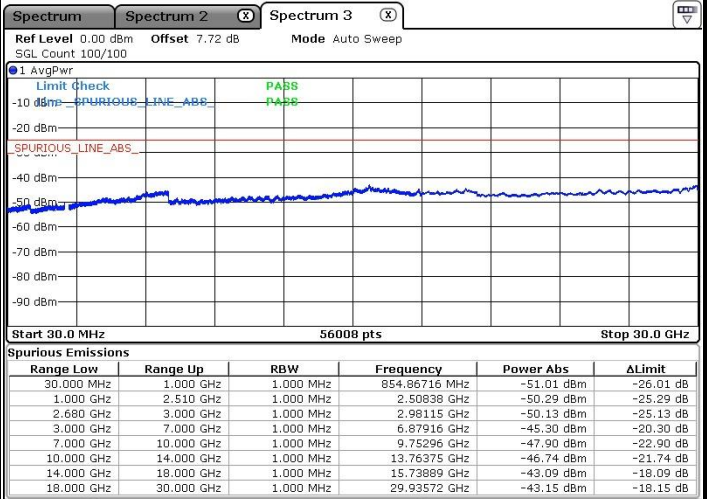
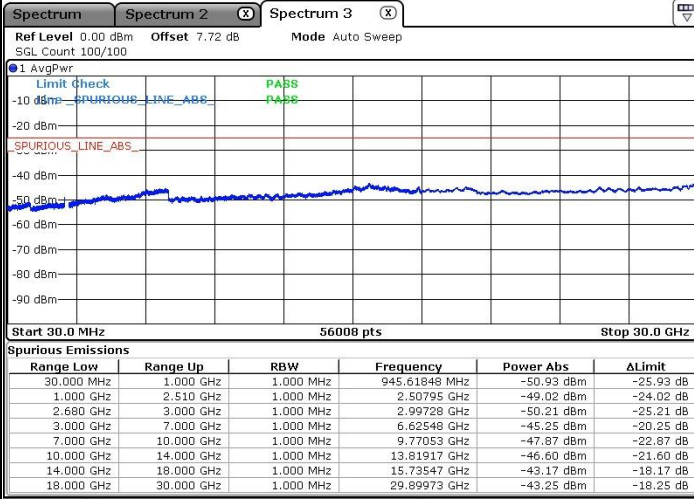
Middle Channel / QPSK

Middle Channel / 16QAM



Highest Channel / QPSK

Highest Channel / 16QAM

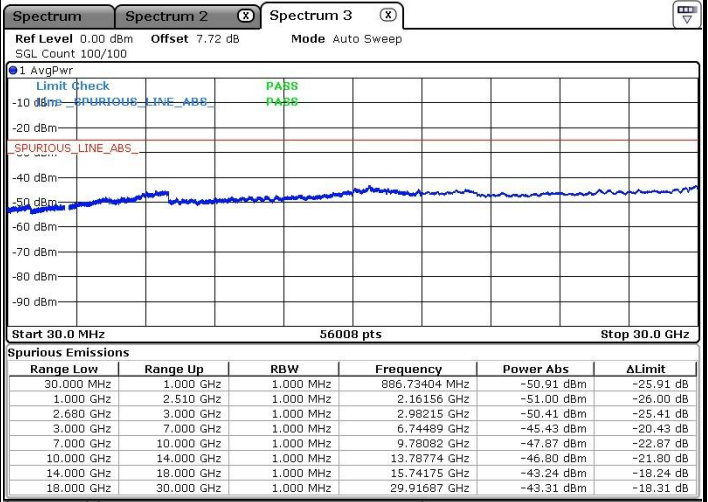
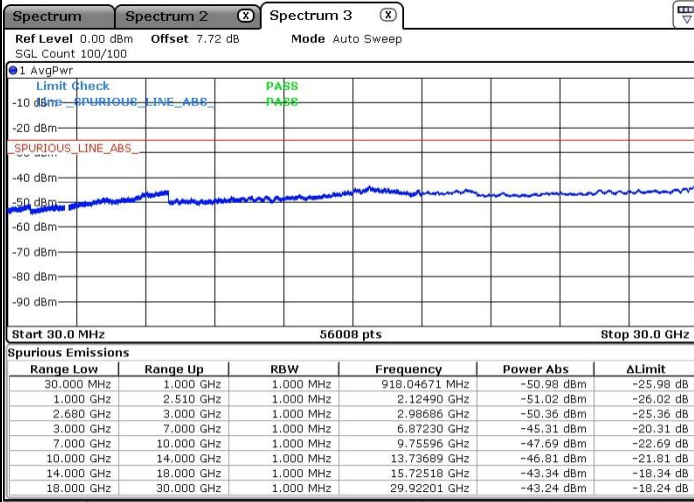




LTE Band 41 / 15MHz

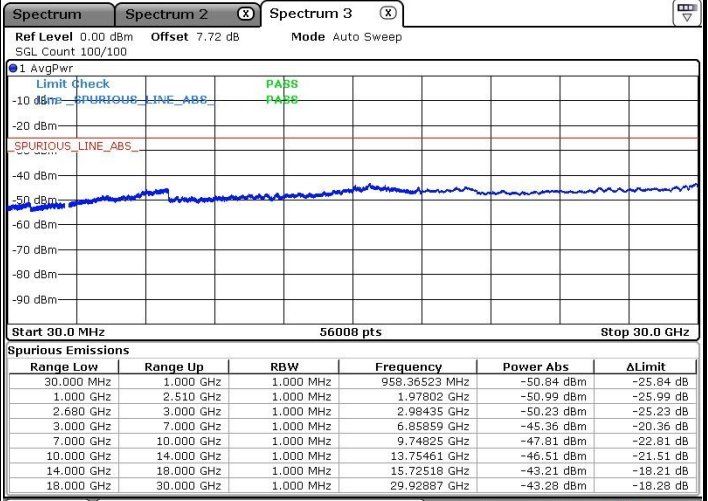
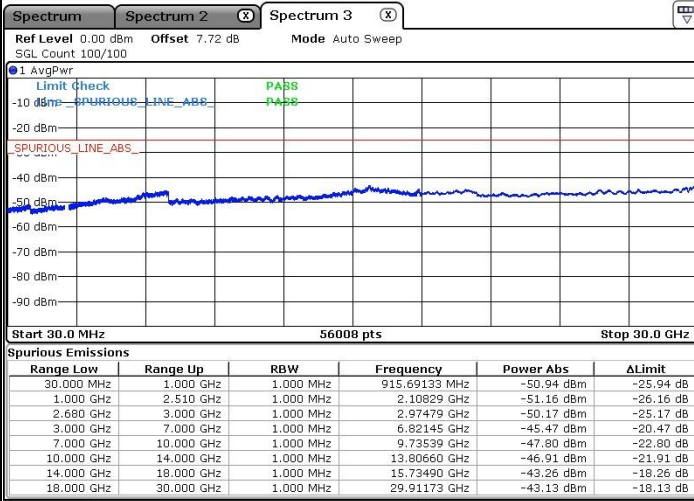
Lowest Channel / QPSK

Lowest Channel / 16QAM



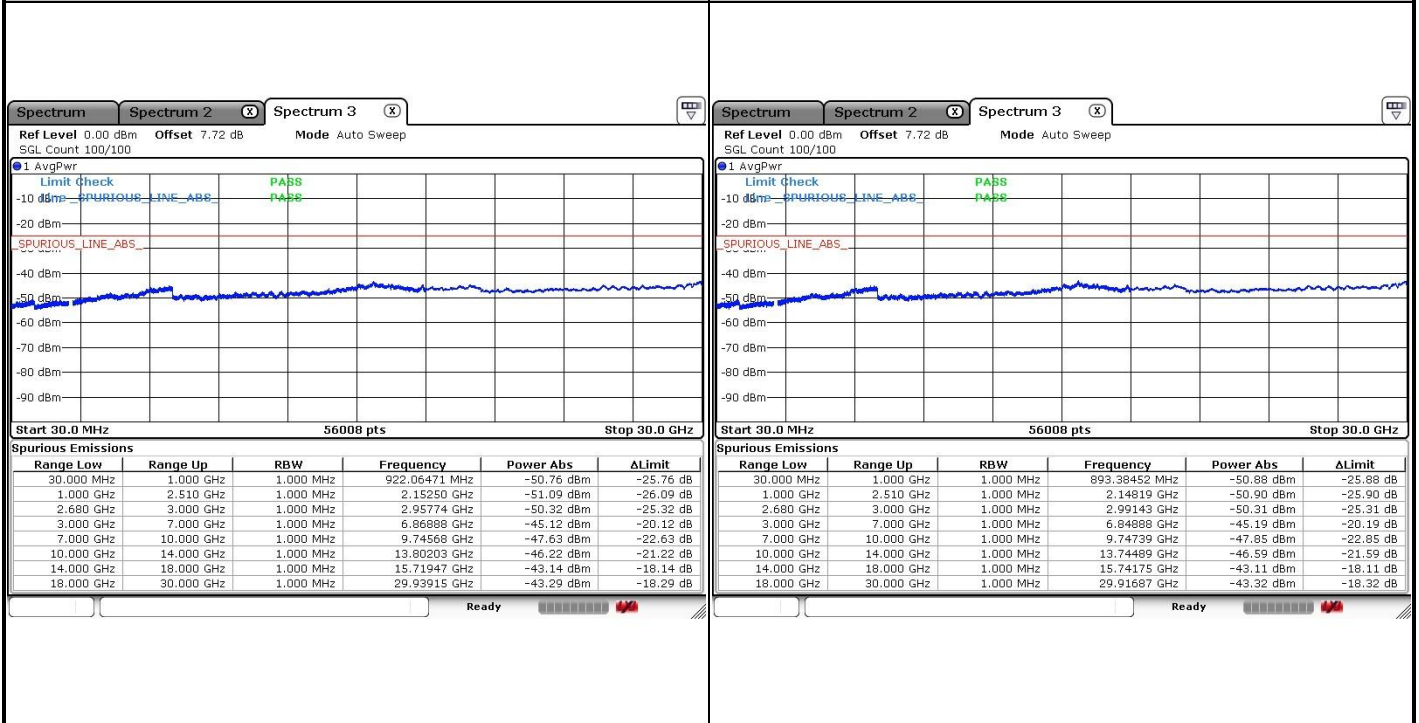
Middle Channel / QPSK

Middle Channel / 16QAM



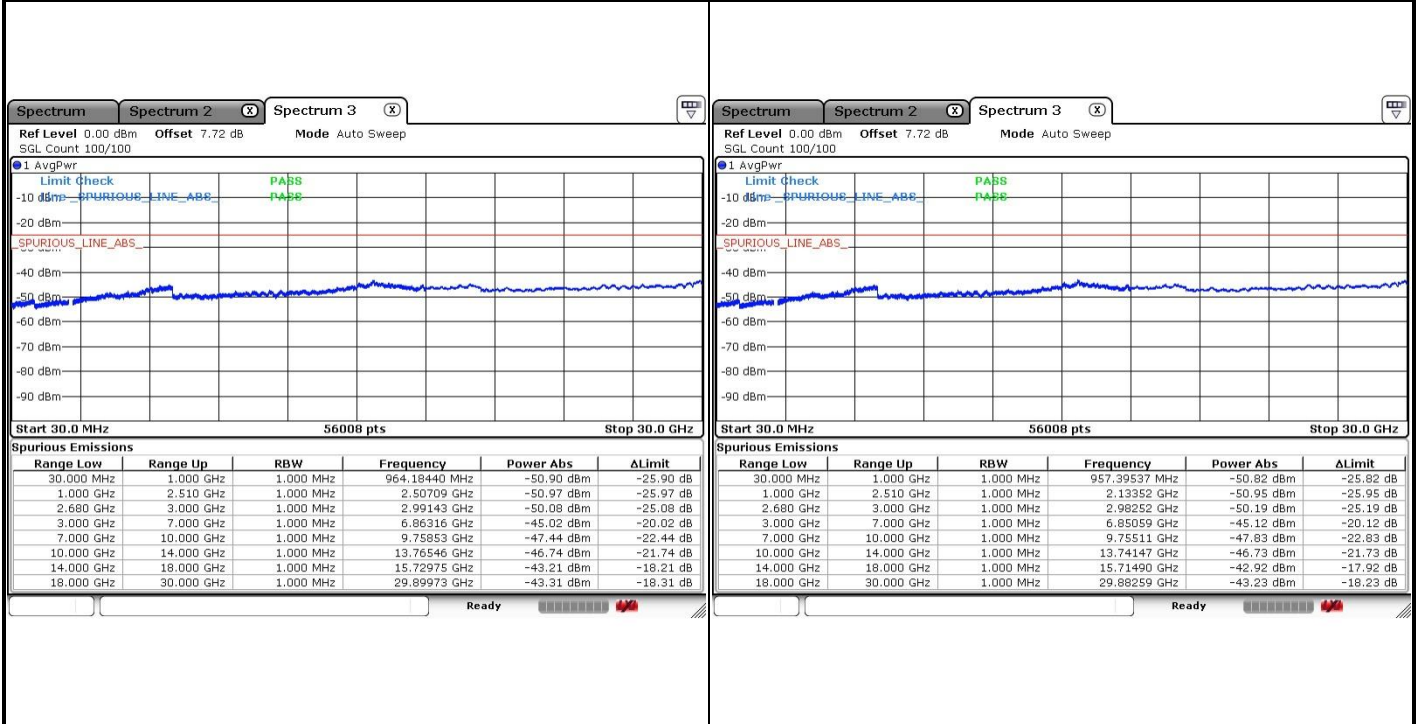


<b>Highest Channel / QPSK</b>	<b>Highest Channel / 16QAM</b>
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<b>LTE Band 41 / 20MHz</b>	
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<b>Lowest Channel / QPSK</b>	<b>Lowest Channel / 16QAM</b>
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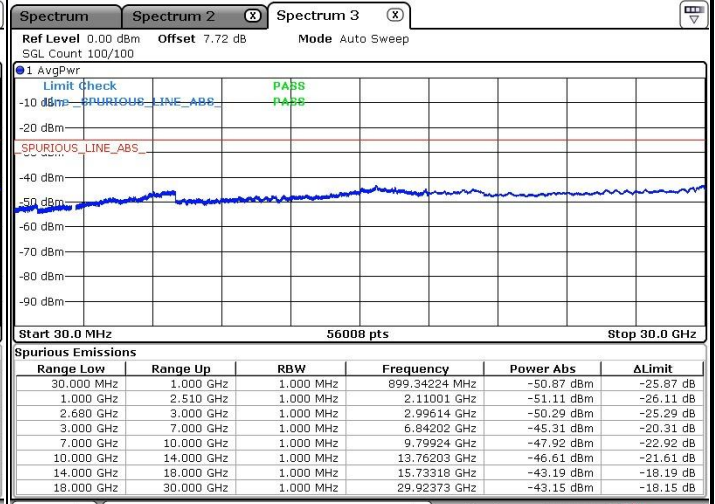
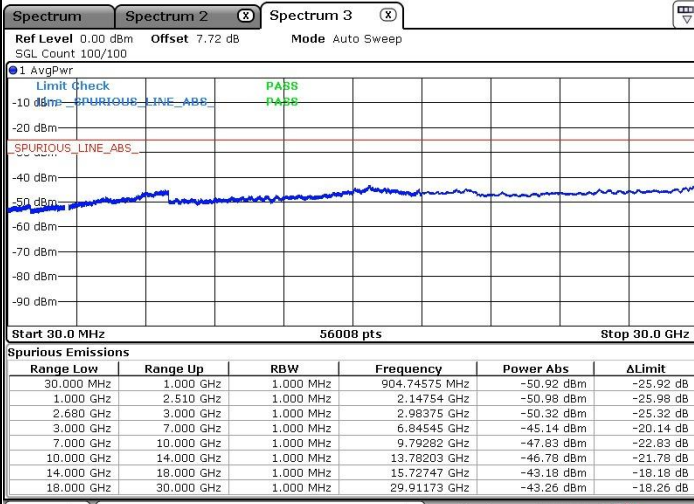




LTE Band 41 / 20MHz

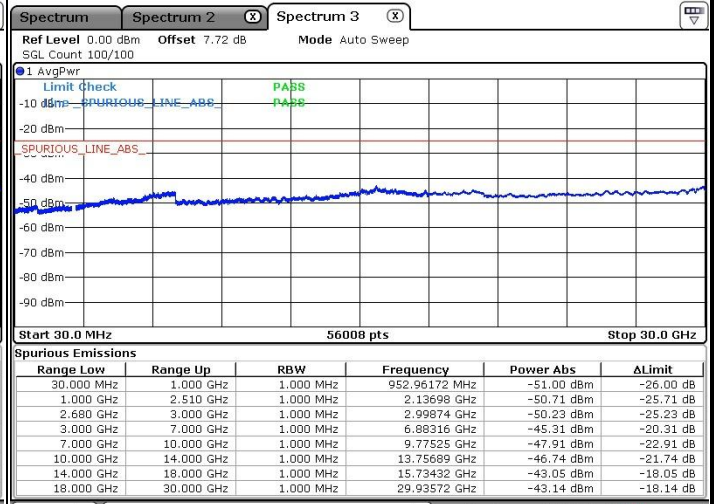
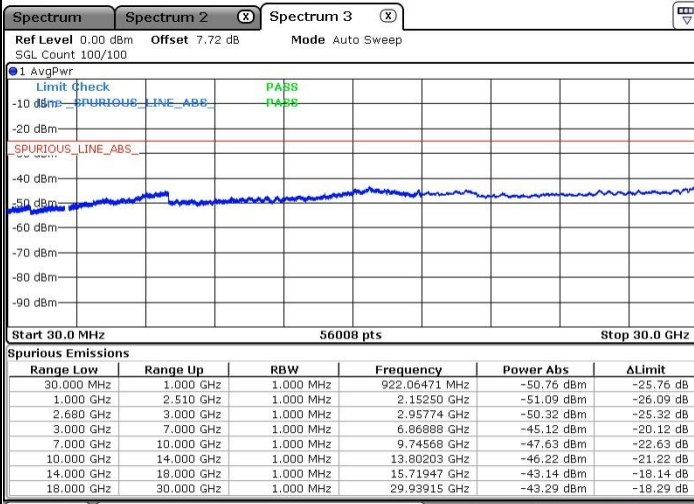
Middle Channel / QPSK

Middle Channel / 16QAM



Highest Channel / QPSK

Highest Channel / 16QAM

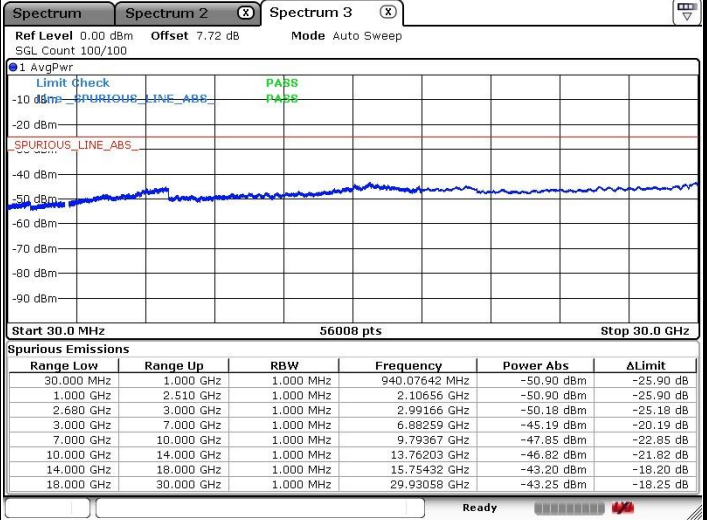
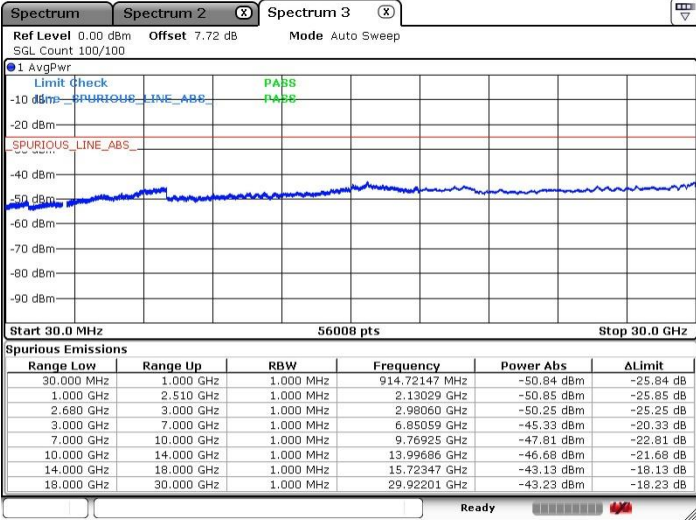




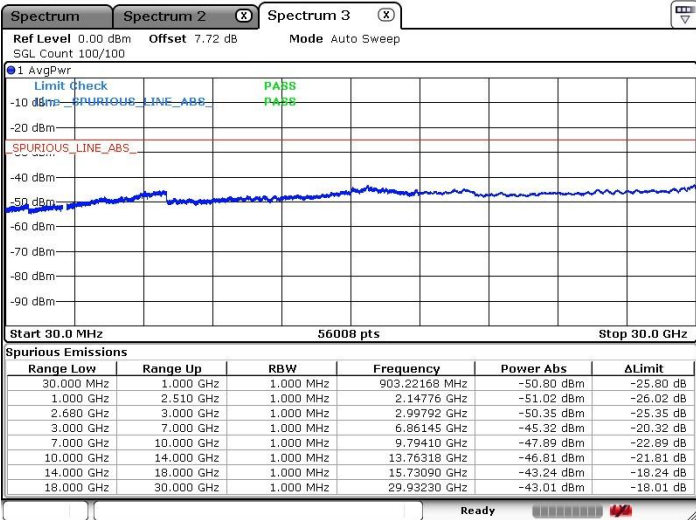
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

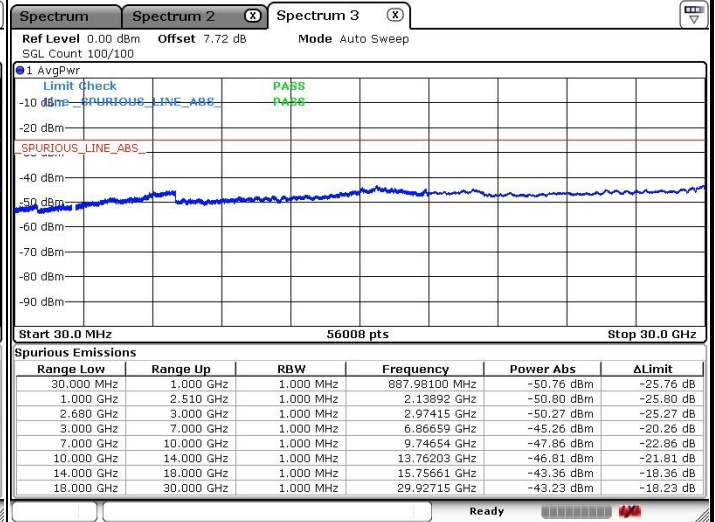
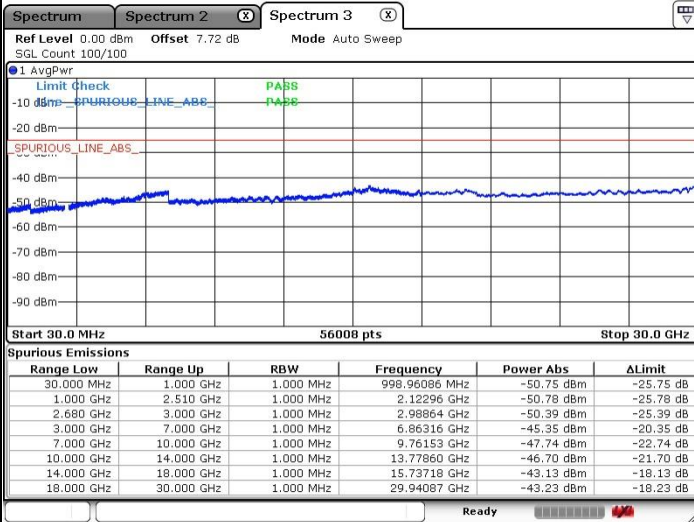




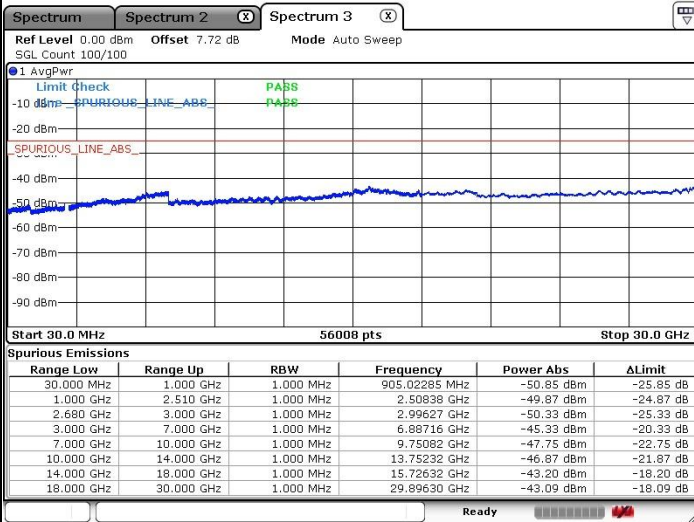
LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

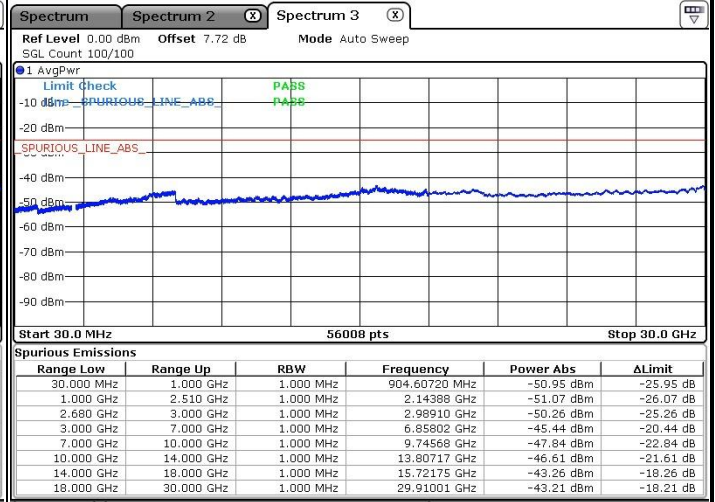
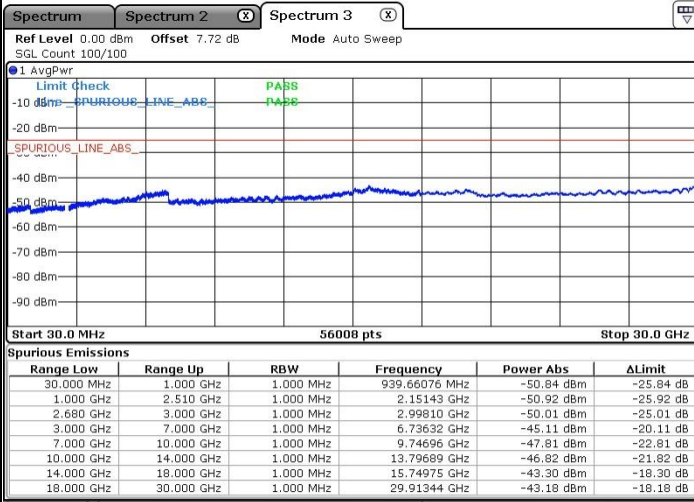




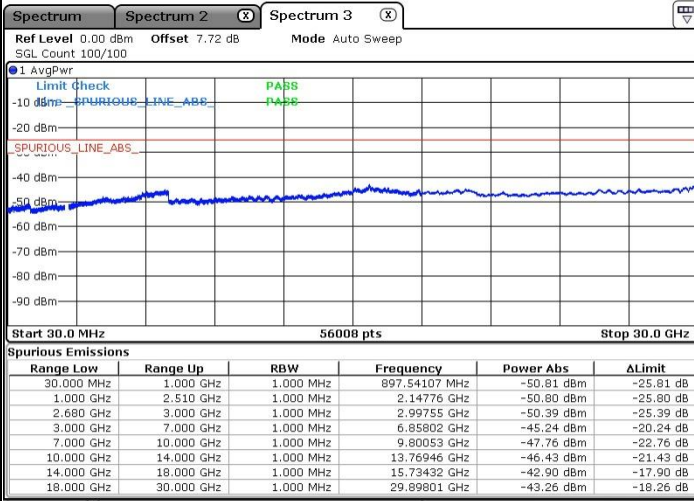
LTE Band 41 / 15MHz

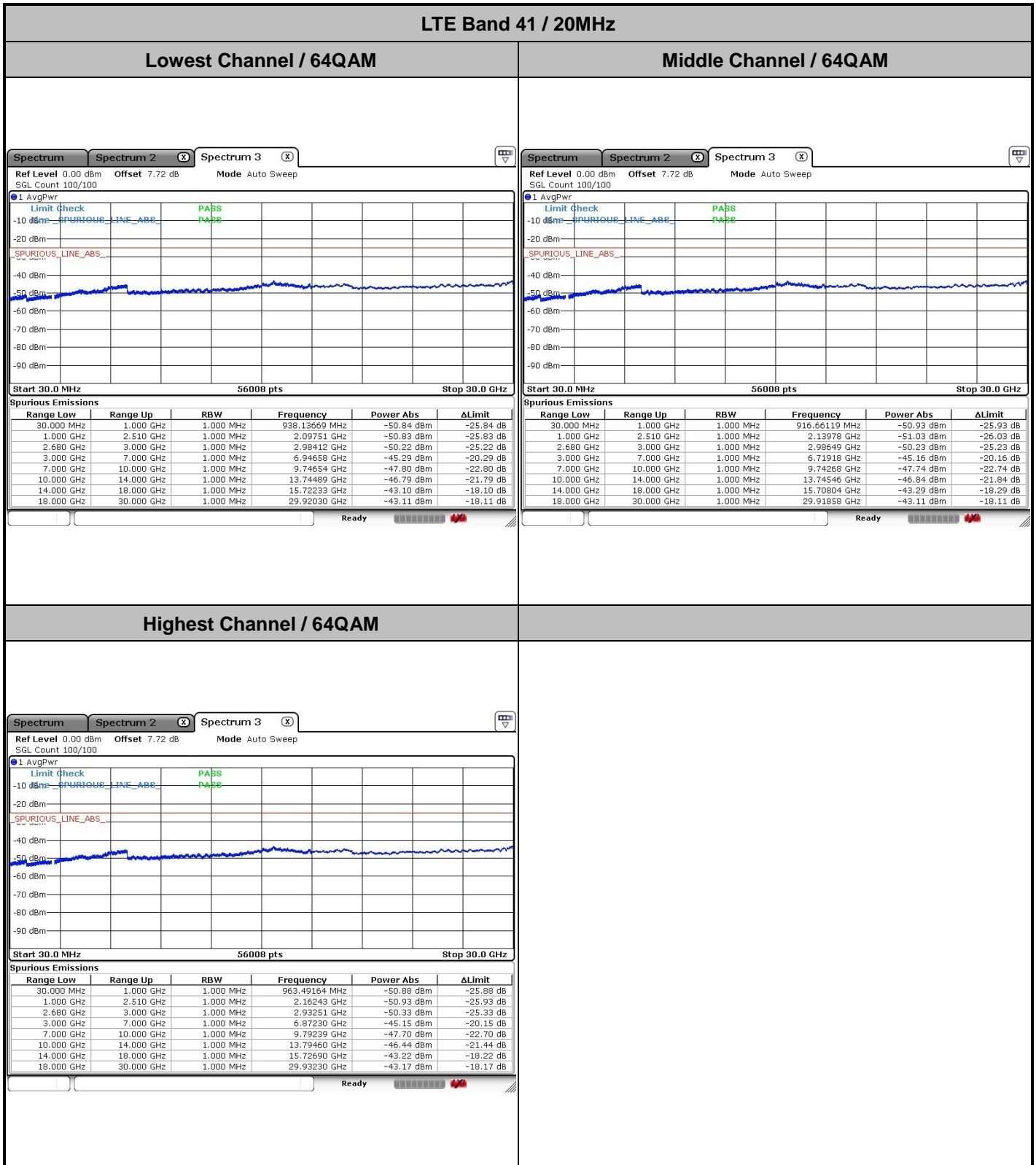
Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM







Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

LTE Band 2/ 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	3741	-53.80	-13	-40.80	-66.06	2.64	14.90	H
	5613	-51.97	-13	-38.97	-63.83	2.94	14.80	H
	7488	-47.46	-13	-34.46	-57.23	3.39	13.16	H
	3741	-53.54	-13	-40.54	-65.80	2.64	14.90	V
	5613	-51.71	-13	-38.71	-63.57	2.94	14.80	V
	7488	-46.94	-13	-33.94	-56.71	3.39	13.16	V

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

LTE Band 5/ 10MHz / 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	1664	-66.25	-13	-53.25	-73.22	1.580	10.70	H
	2496	-61.45	-13	-48.45	-69.70	2.102	12.50	H
	3330	-61.17	-13	-48.17	-70.06	2.856	13.90	H
	1664	-66.56	-13	-53.56	-73.53	1.580	10.70	V
	2496	-61.25	-13	-48.25	-69.50	2.102	12.50	V
	3330	-61.23	-13	-48.23	-70.12	2.856	13.90	V

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



LTE Band 7/ 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	-62.10	-25	-37.10	-72.31	3.03	13.24	H
	7578.27	-53.20	-25	-28.20	-62.65	3.56	13.01	H
	10100	-57.30	-25	-32.30	-66.82	3.92	13.44	H
	5052	-63.02	-25	-38.02	-73.23	3.03	13.24	V
	7578.27	-52.34	-25	-27.34	-61.79	3.56	13.01	V
	10100	-58.40	-25	-33.40	-67.92	3.92	13.44	V

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

LTE Band 41/ 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	5172	-63.01	-25	-38.01	-73.22	3.03	13.24	H
	7760	-59.32	-25	-34.32	-68.77	3.56	13.01	H
	10340	-54.80	-25	-29.80	-64.32	3.92	13.44	H
	5172	-65.44	-25	-40.44	-75.65	3.03	13.24	V
	7760	-57.32	-25	-32.32	-66.77	3.56	13.01	V
	10340	-58.35	-25	-33.35	-67.87	3.92	13.44	V

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