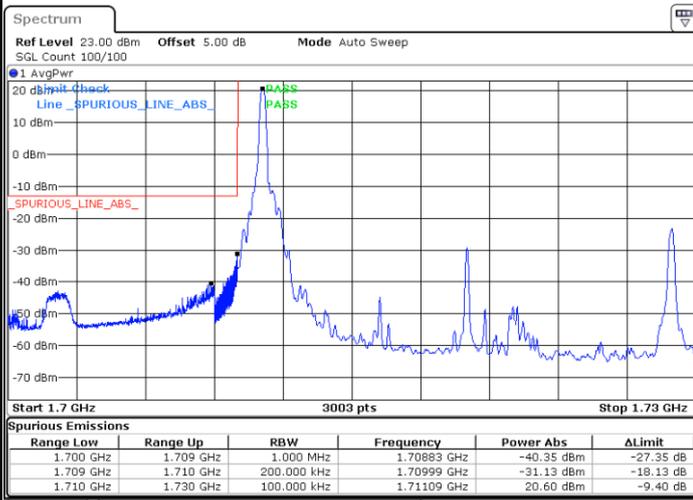




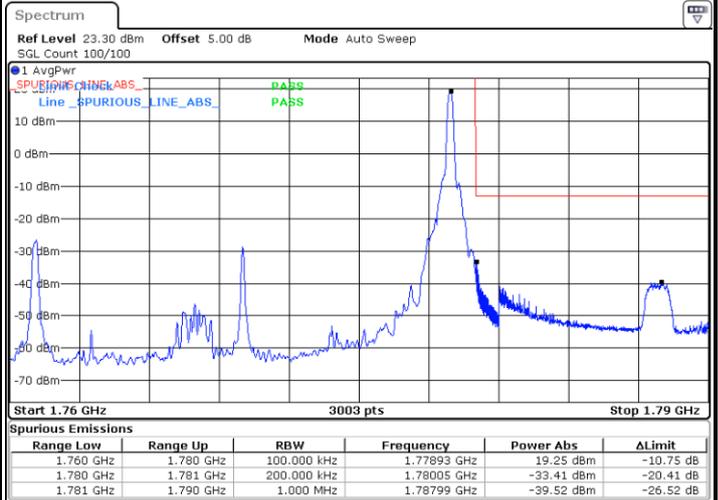
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



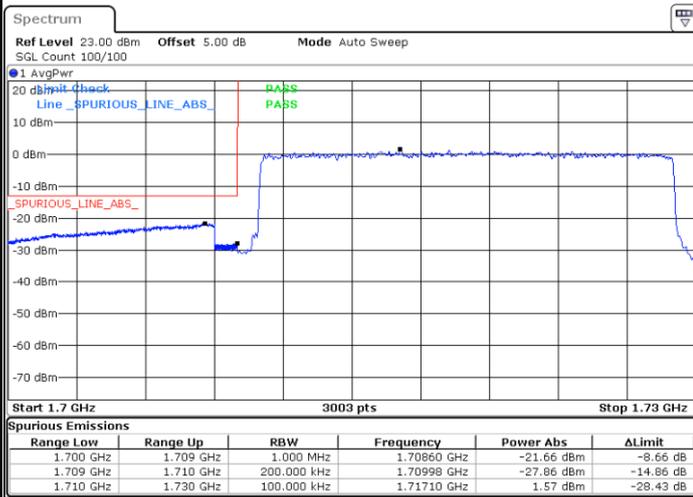
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Highest Band Edge / 1 RB



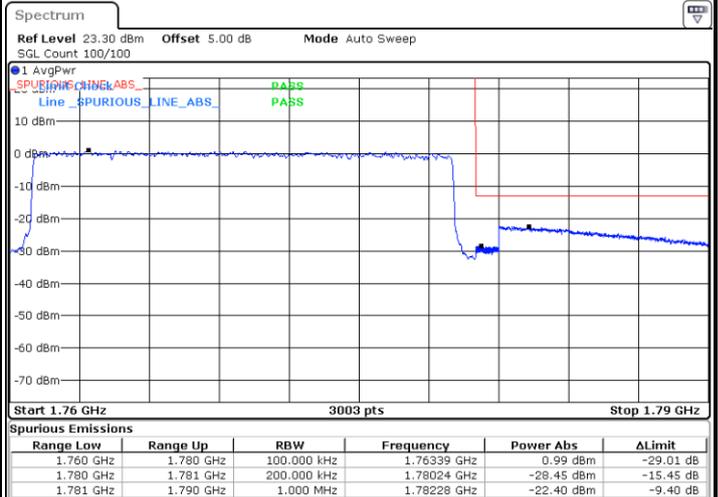
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Lowest Band Edge / Full RB



Date: 28 DEC 2020 21:06:30

Highest Band Edge / Full RB

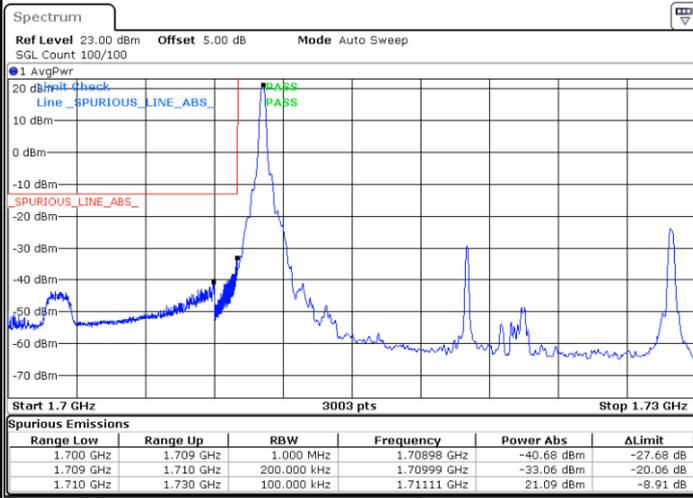


Date: 28 DEC 2020 21:09:37



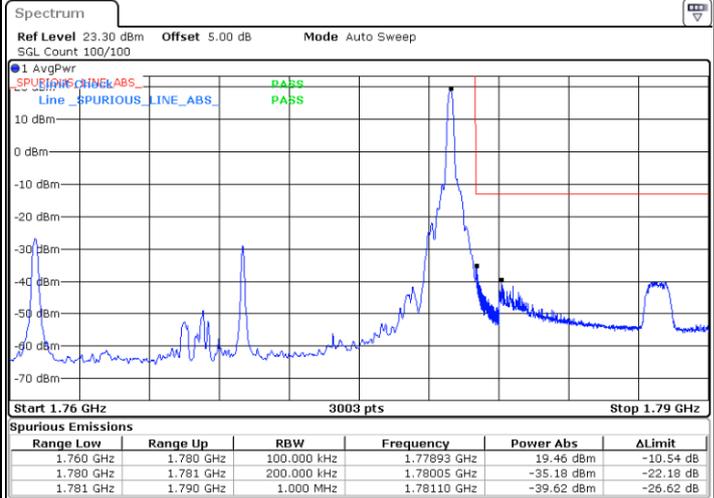
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



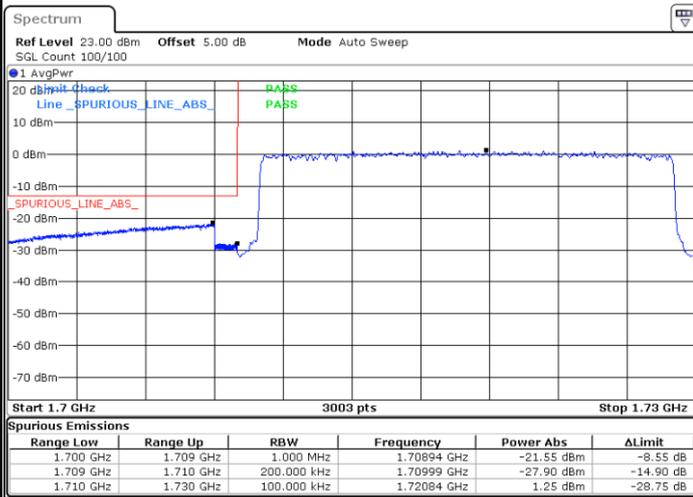
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Highest Band Edge / 1 RB



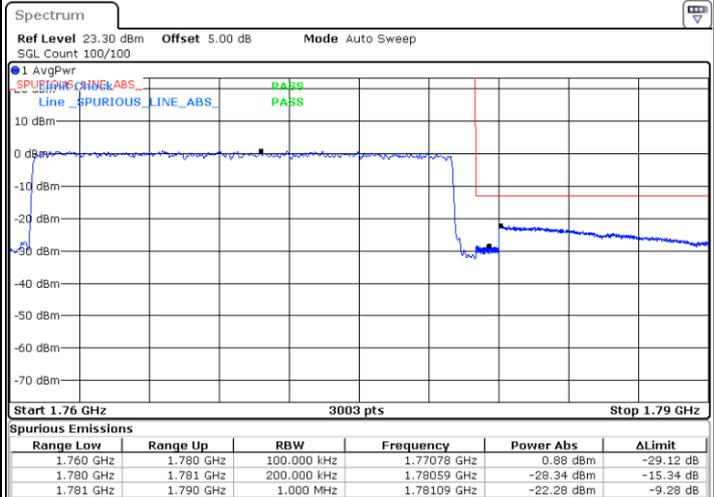
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Lowest Band Edge / Full RB



Date: 28 DEC 2020 21:06:43

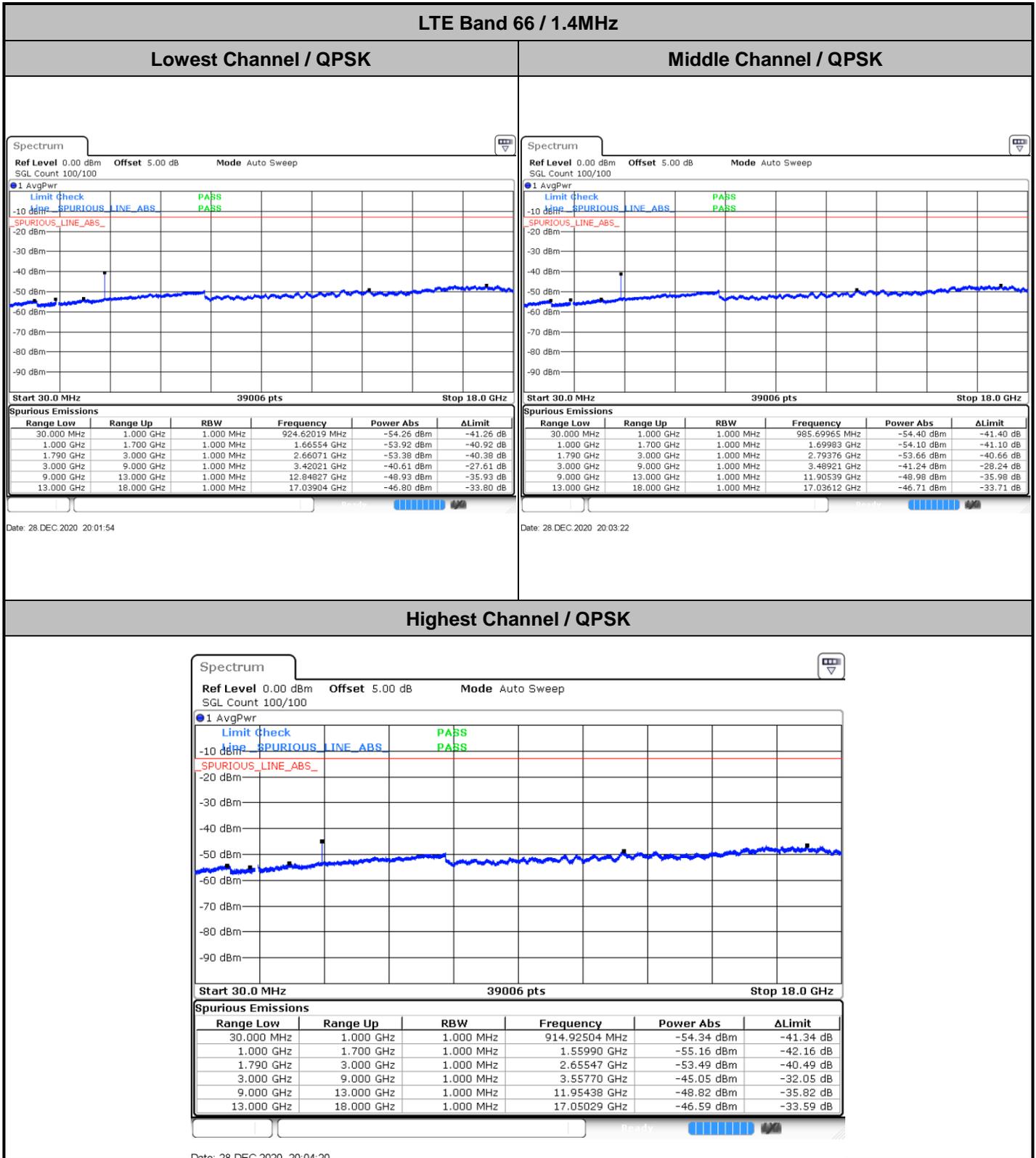
Highest Band Edge / Full RB



Date: 28 DEC 2020 21:09:25



# Conducted Spurious Emission

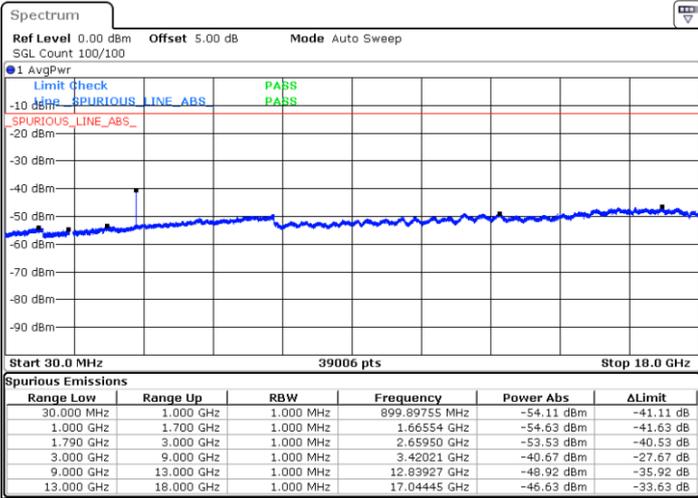




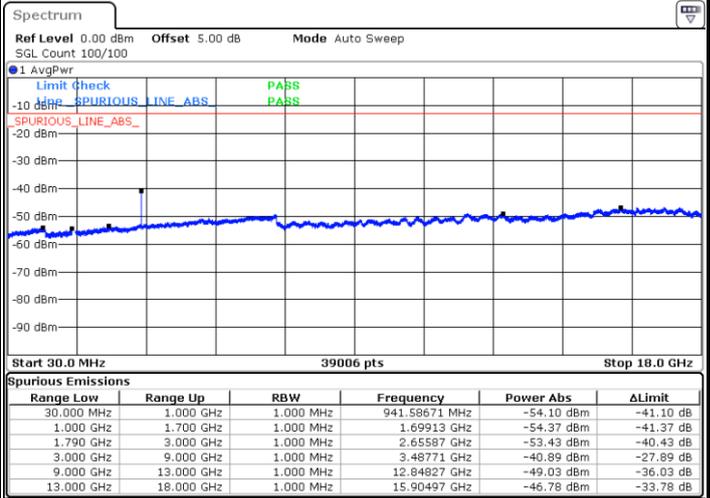
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

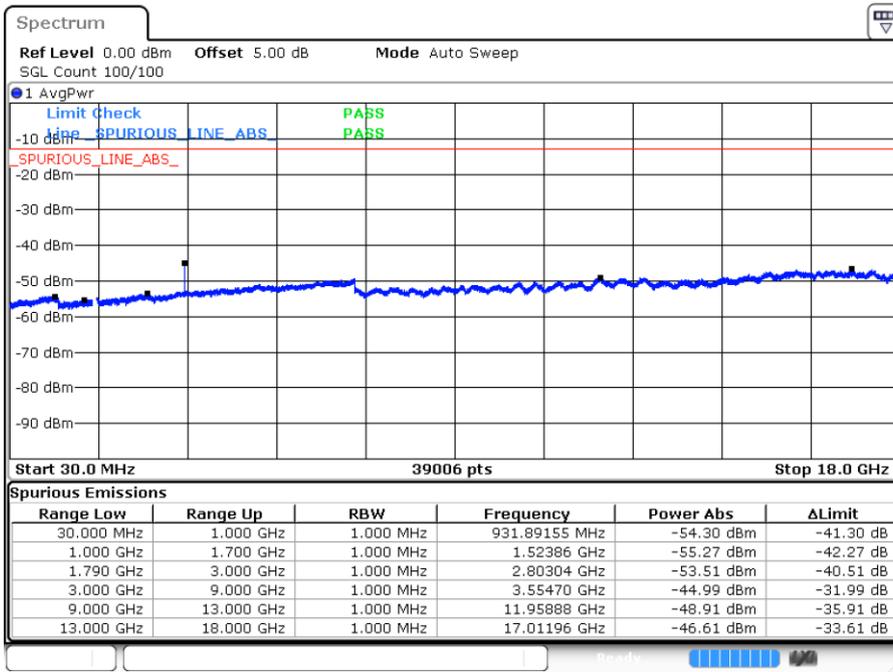


Date: 28 DEC 2020 20:16:25



Date: 28 DEC 2020 20:17:06

Highest Channel / QPSK



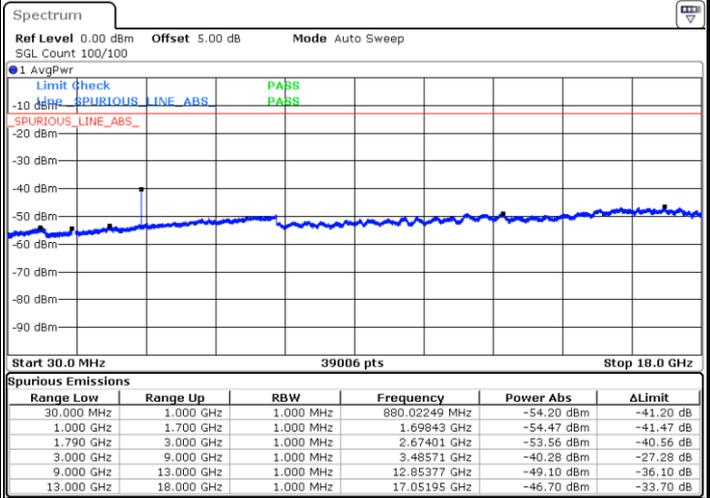
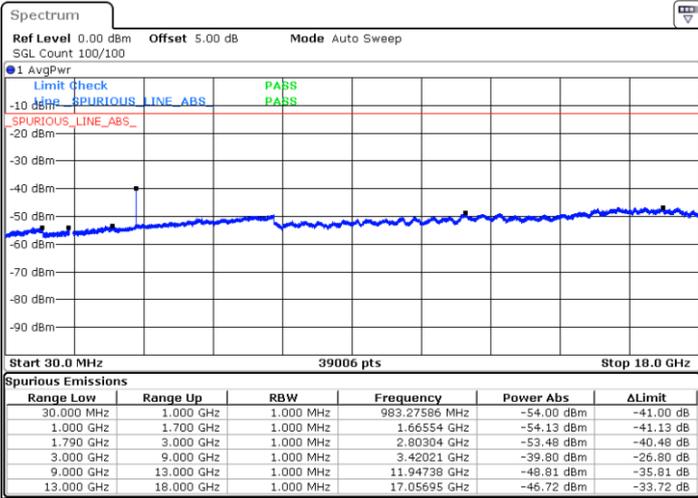
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LTE Band 66 / 5MHz

Lowest Channel / QPSK

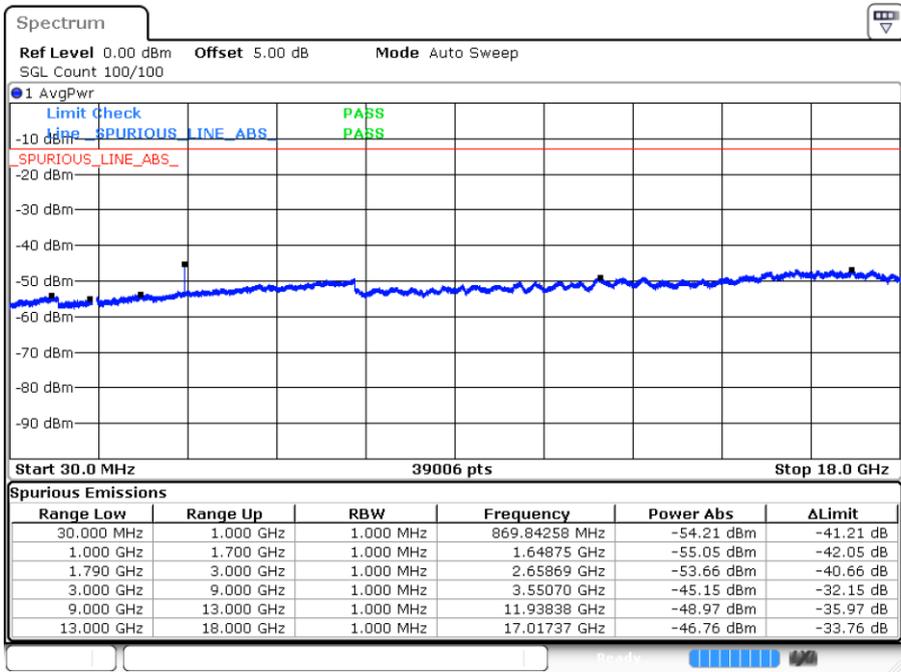
Middle Channel / QPSK



Date: 28 DEC 2020 20:30:23

Date: 28 DEC 2020 20:29:36

Highest Channel / QPSK

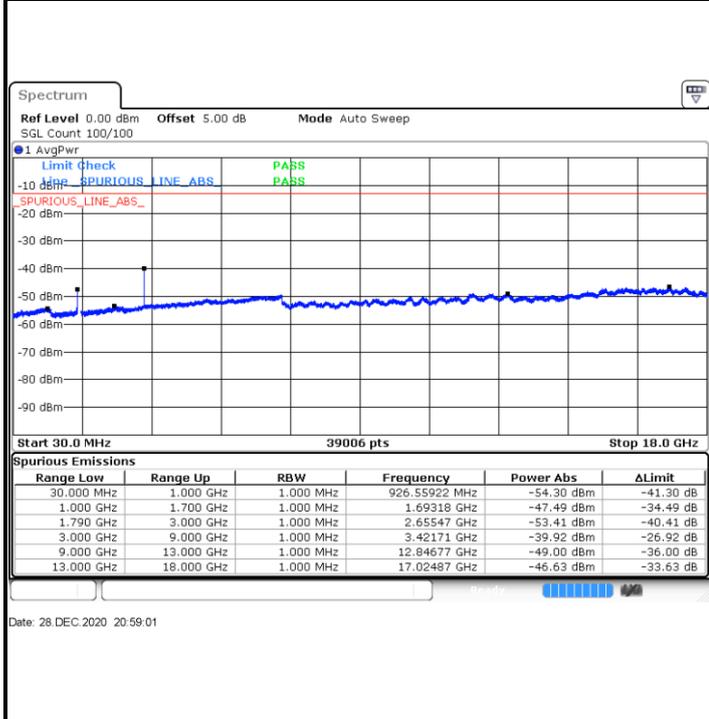


Date: 28 DEC 2020 20:28:26

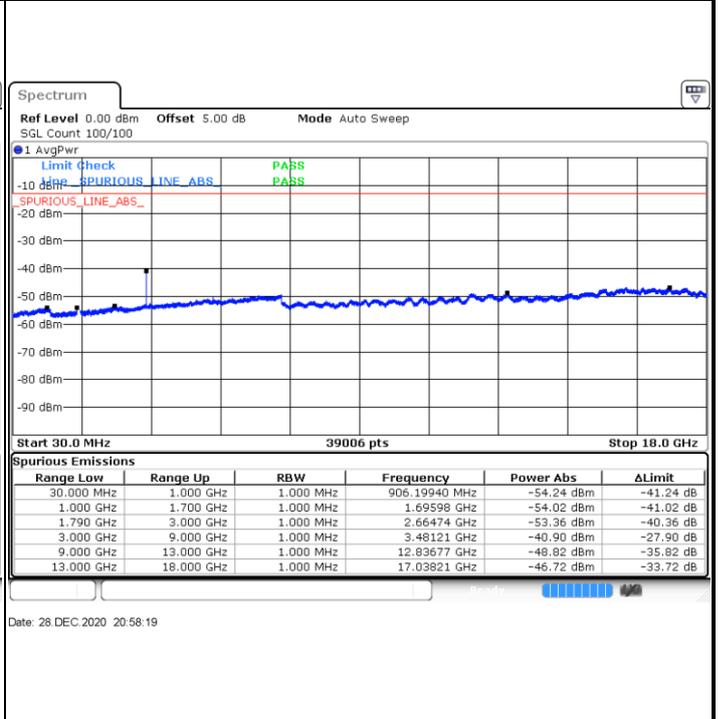


**LTE Band 66 / 10MHz**

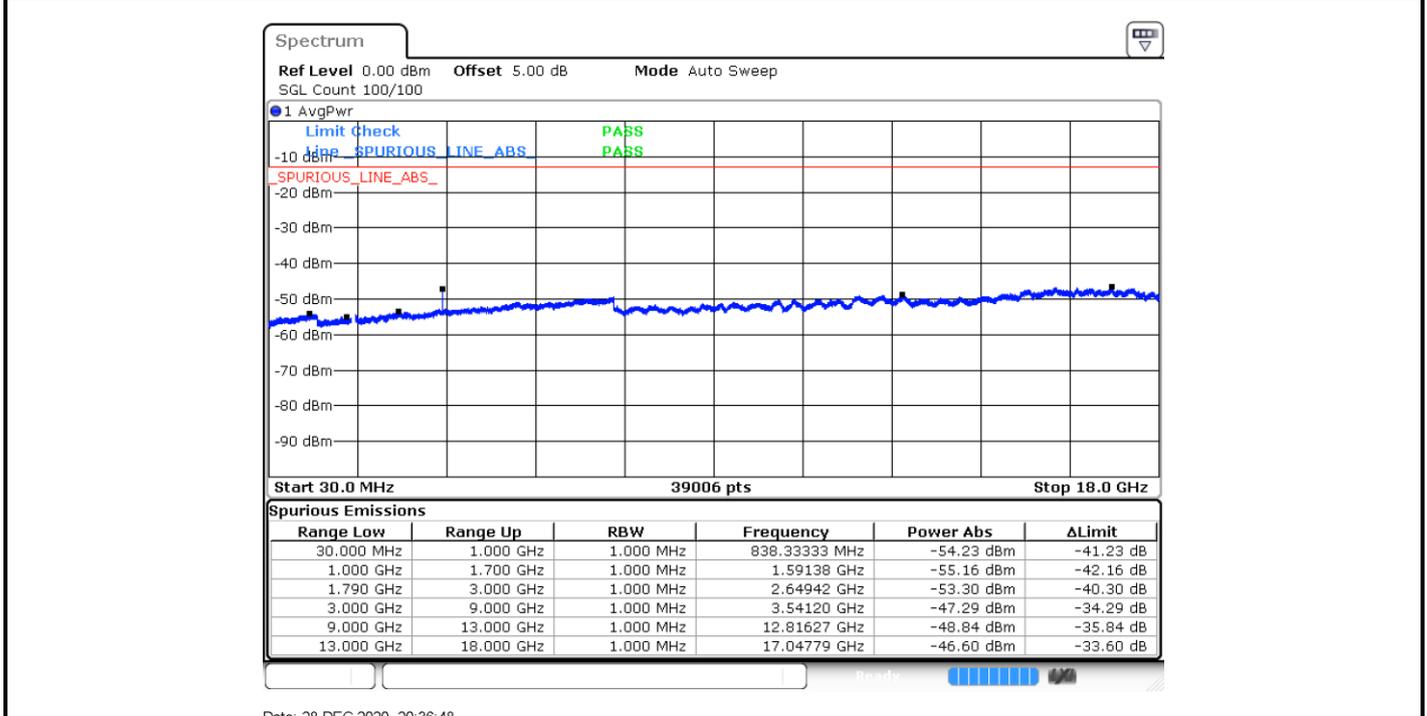
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



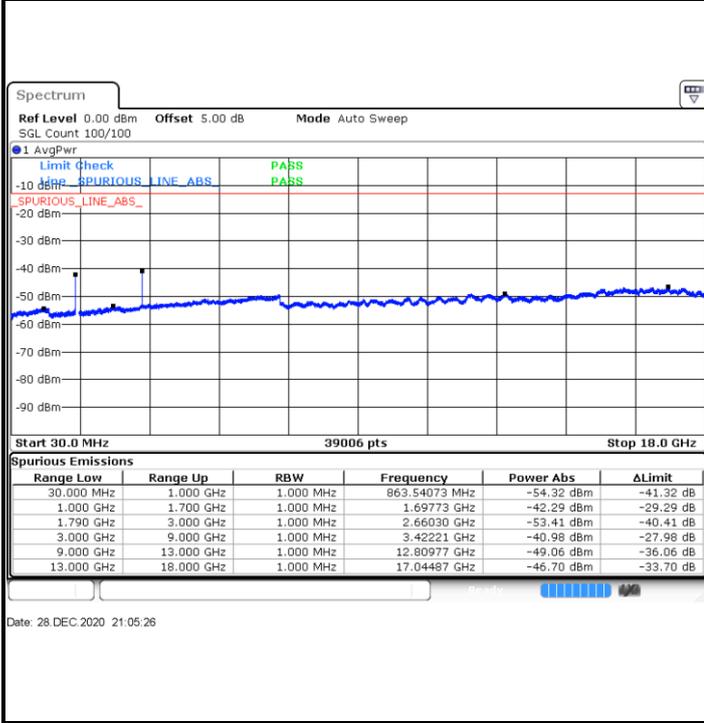
**Highest Channel / QPSK**



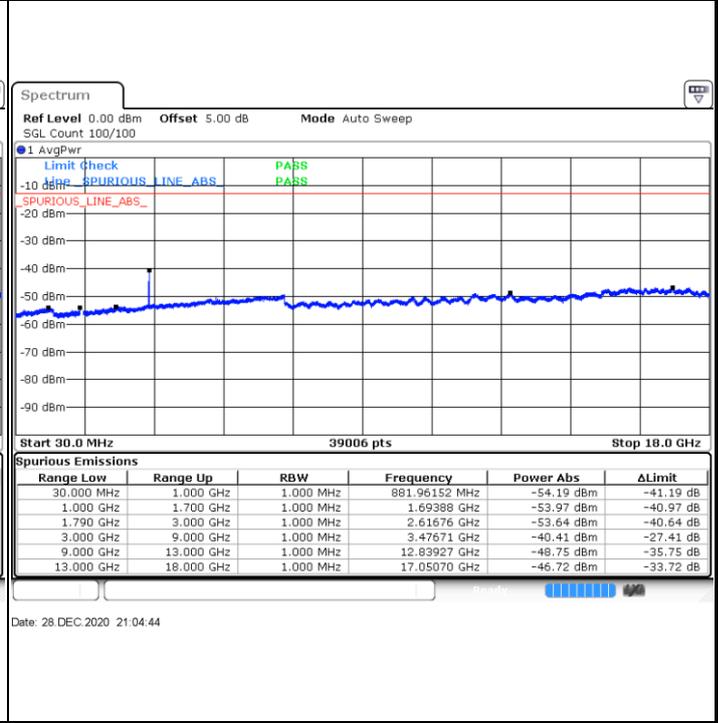


**LTE Band 66 / 15MHz**

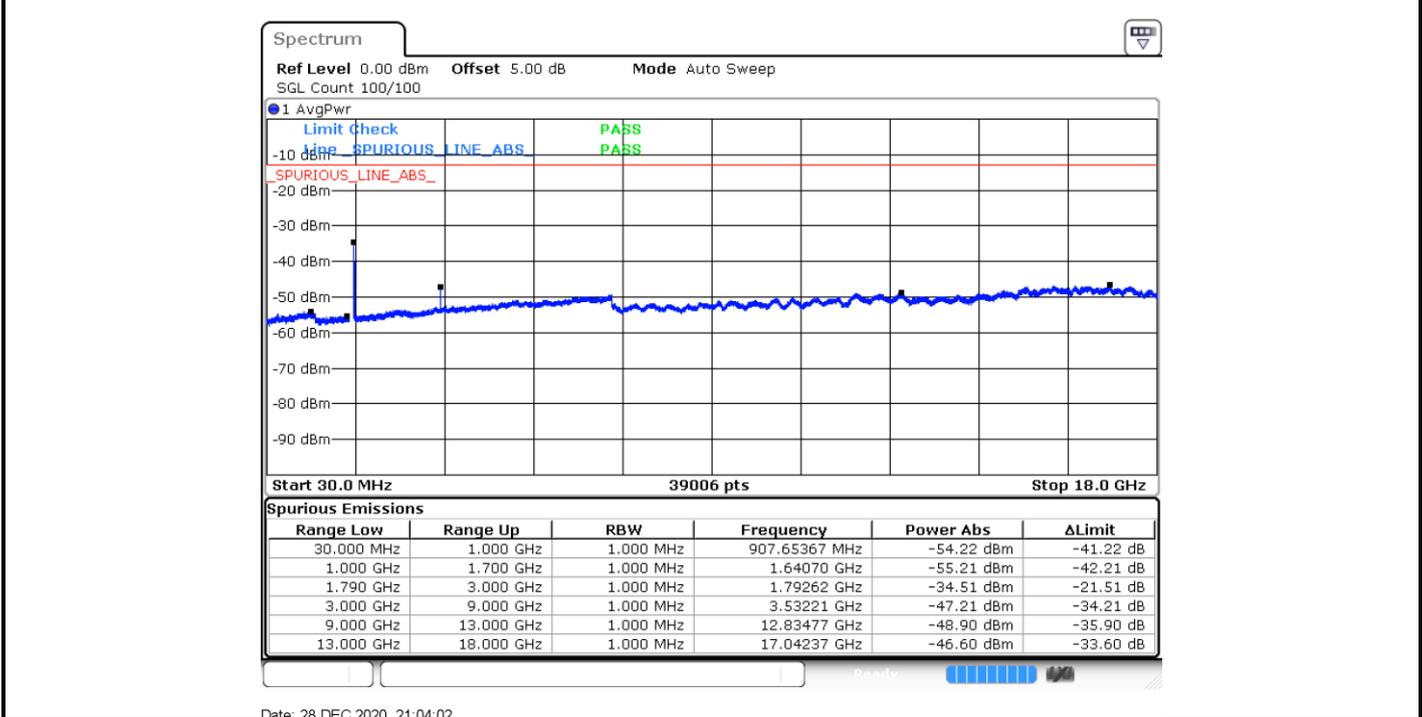
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



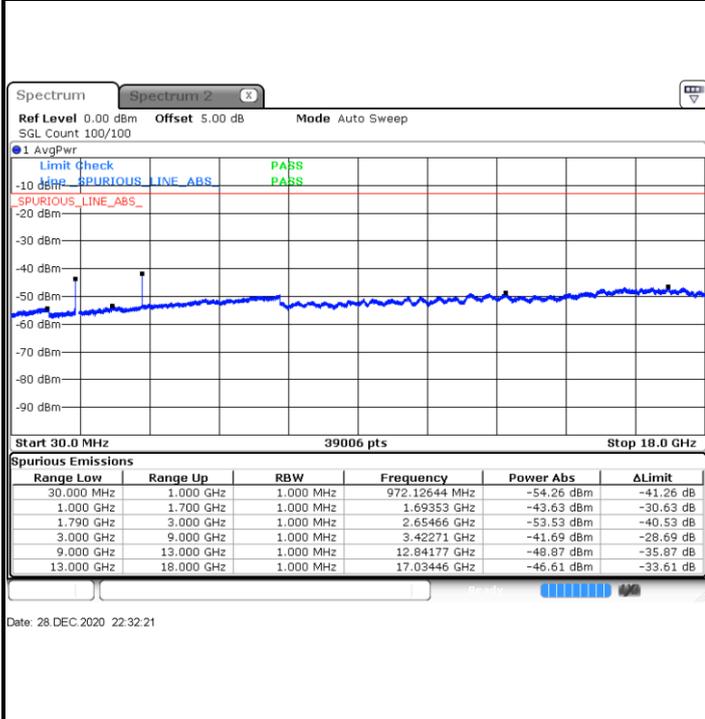
**Highest Channel / QPSK**



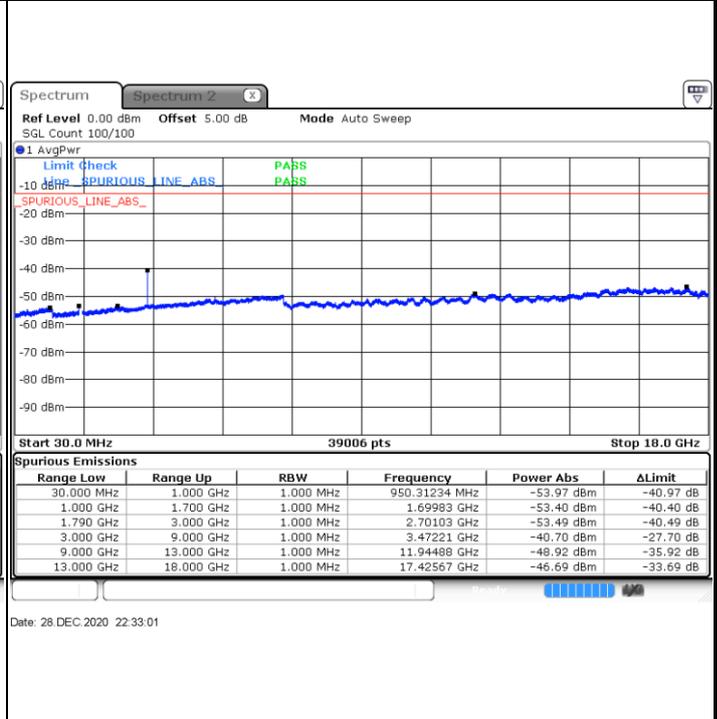


**LTE Band 66 / 20MHz**

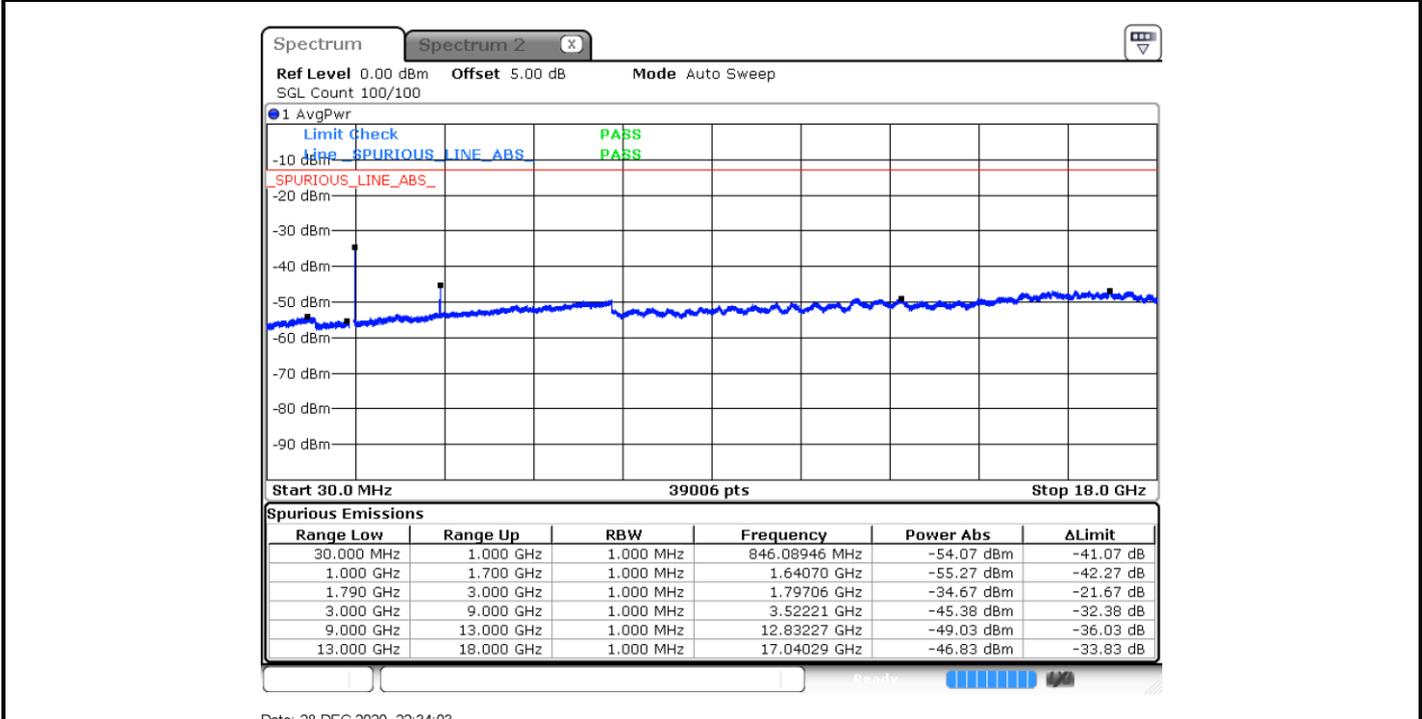
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0004	

**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

LTE Band 12 / 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	1406	-66.77	-13	-53.77	-73.74	1.58	10.70	H
	2110	-61.71	-13	-48.71	-69.96	2.102	12.50	H
	2812	-59.01	-13	-46.01	-67.90	2.856	13.90	H
	3516	-59.20	-13	-46.20	-67.66	2.689	13.30	H
	1406	-66.48	-13	-53.48	-73.45	1.58	10.70	V
	2110	-60.34	-13	-47.34	-68.59	2.10	12.50	V
	2812	-58.66	-13	-45.66	-67.55	2.86	13.90	V
	3516	-59.17	-13	-46.17	-67.63	2.69	13.30	V

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

LTE Band 26 / 15MHz / 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	-60.22	-13	-47.22	-67.19	1.58	10.70	H
	2496	-61.18	-13	-48.18	-69.43	2.102	12.50	H
	3330	-60.57	-13	-47.57	-69.46	2.856	13.90	H
	1664	-61.13	-13	-48.13	-68.10	1.58	10.70	V
	2496	-59.28	-13	-46.28	-67.53	2.10	12.50	V
	3330	-60.14	-13	-47.14	-69.03	2.86	13.90	V

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

LTE Band 66 / 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	3471	-46.88	-13	-33.88	-57.62	2.604	13.34	H
	5208	-47.96	-13	-34.96	-58.47	3.011	13.52	H
	6948	-53.91	-13	-40.91	-64.11	3.271	13.47	H
	3471	-49.63	-13	-36.63	-60.37	2.604	13.34	V
	5208	-50.10	-13	-37.10	-60.61	3.011	13.52	V
	6948	-54.01	-13	-41.01	-64.21	3.271	13.47	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	-58.27	-25	-33.27	-68.48	3.03	13.24	H
	7760	-59.60	-25	-34.60	-69.05	3.56	13.01	H
	10340	-52.26	-25	-27.26	-61.78	3.92	13.44	H
	12930	-51.96	-25	-26.96	-61.00	4.39	13.43	H
	5172	-56.56	-25	-31.56	-66.77	3.03	13.24	V
	7760	-60.27	-25	-35.27	-69.72	3.56	13.01	V
	10340	-51.74	-25	-26.74	-61.26	3.92	13.44	V
	12930	-53.74	-25	-28.74	-62.78	4.39	13.43	V

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



## **Appendix D. Reference Report**

Please refer to Sporton report number FG0N2803B which is issued separately.