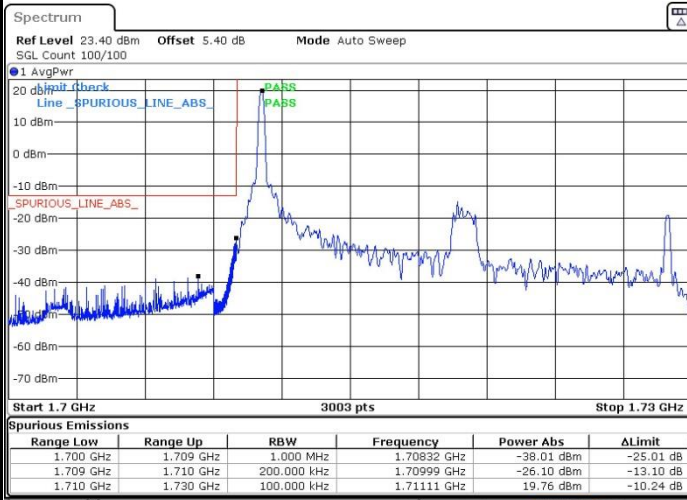




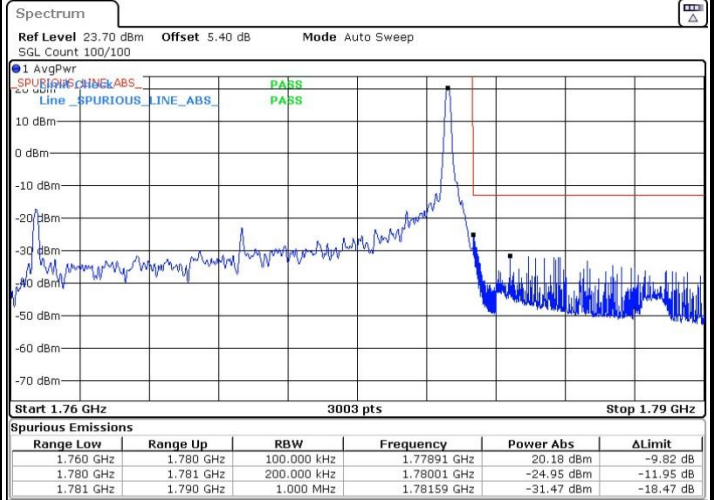
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



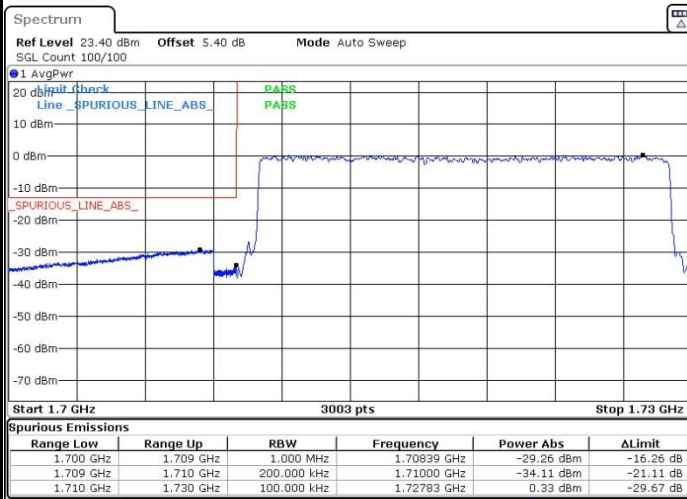
Date: 20 DEC 2021 00:51:39

Highest Band Edge / 1 RB



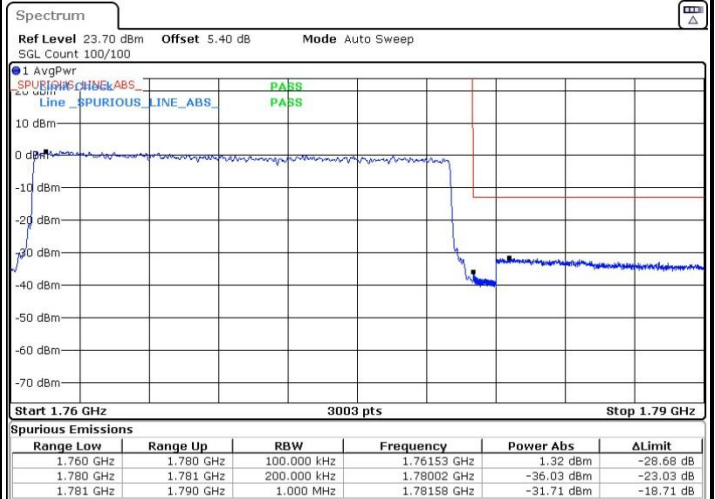
Date: 20 DEC 2021 00:55:36

Lowest Band Edge / Full RB



Date: 20 DEC 2021 00:53:37

Highest Band Edge / Full RB

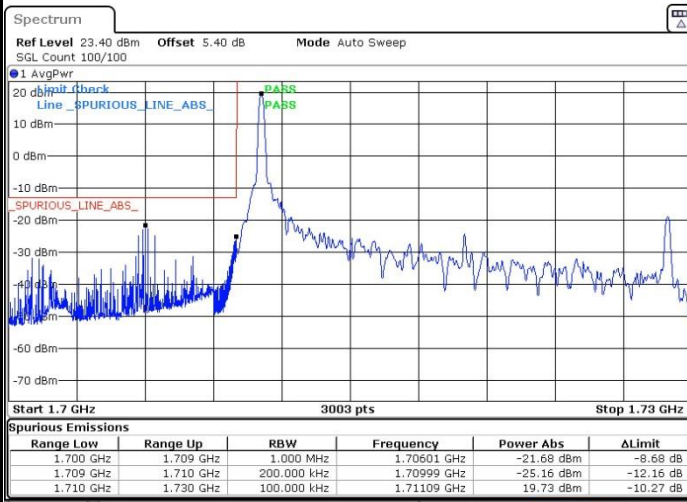


Date: 20 DEC 2021 00:57:34



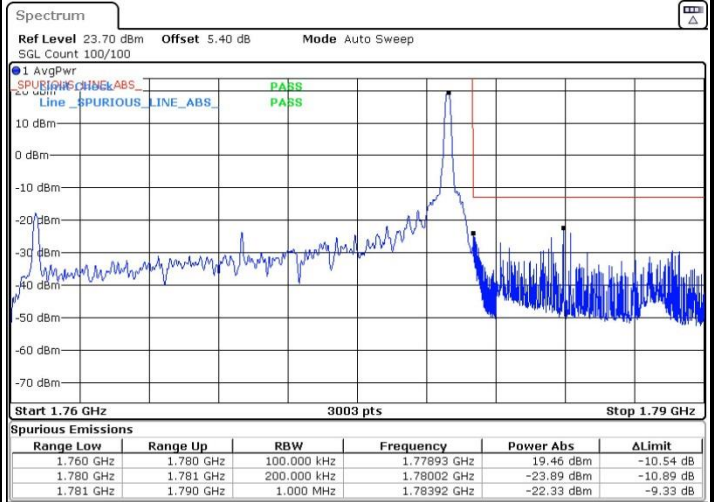
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



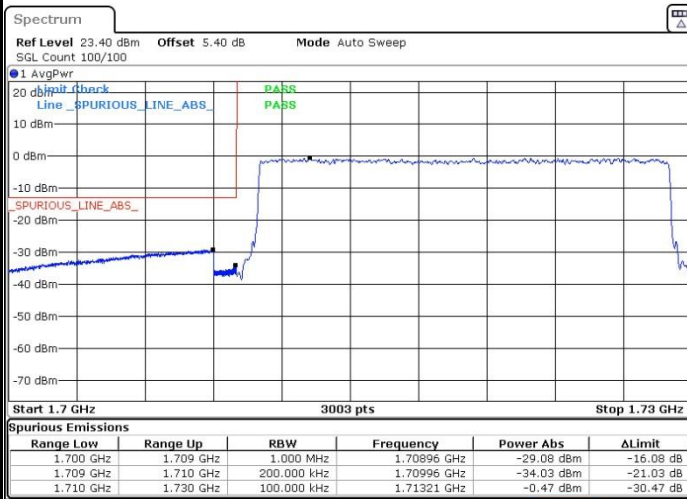
Date: 20 DEC 2021 00:52:38

Highest Band Edge / 1 RB



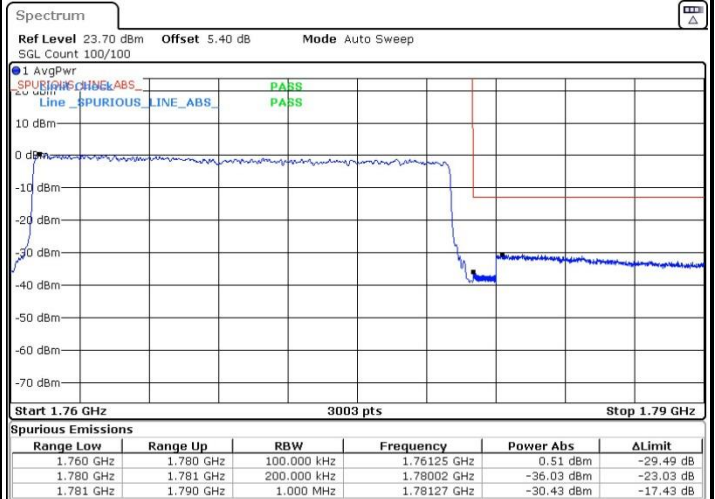
Date: 20 DEC 2021 00:56:35

Lowest Band Edge / Full RB



Date: 20 DEC 2021 00:54:36

Highest Band Edge / Full RB

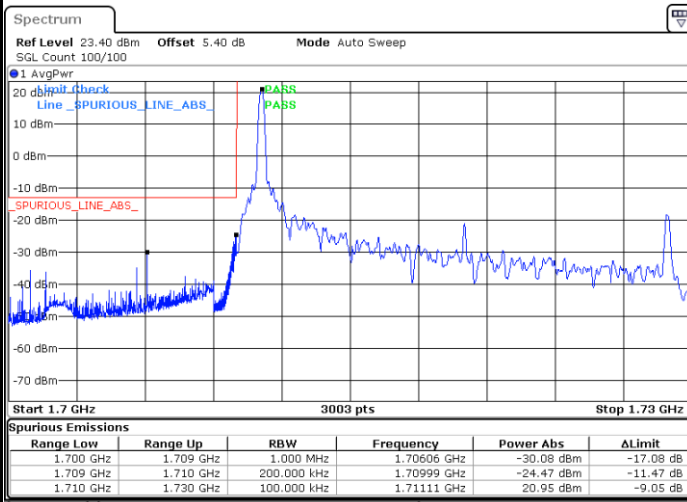


Date: 20 DEC 2021 00:58:33



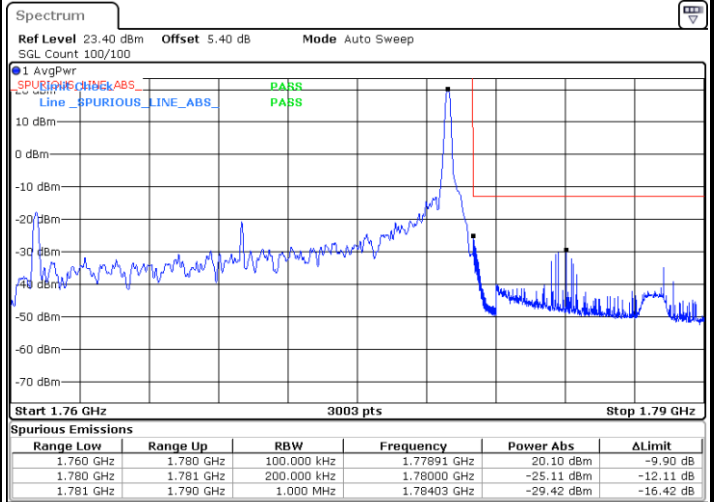
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



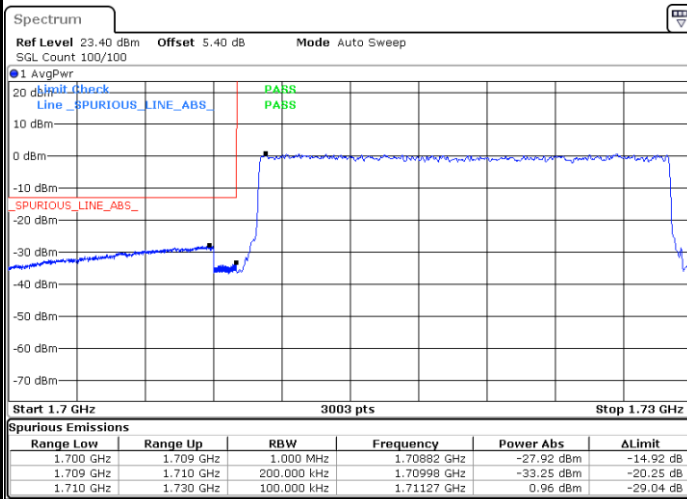
Date: 26.DEC.2021 22:40:41

Highest Band Edge / 1 RB



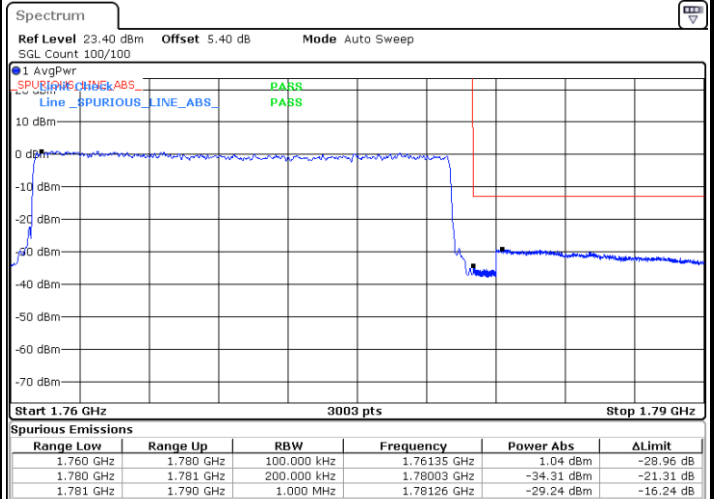
Date: 26.DEC.2021 22:44:13

Lowest Band Edge / Full RB



Date: 26.DEC.2021 22:42:27

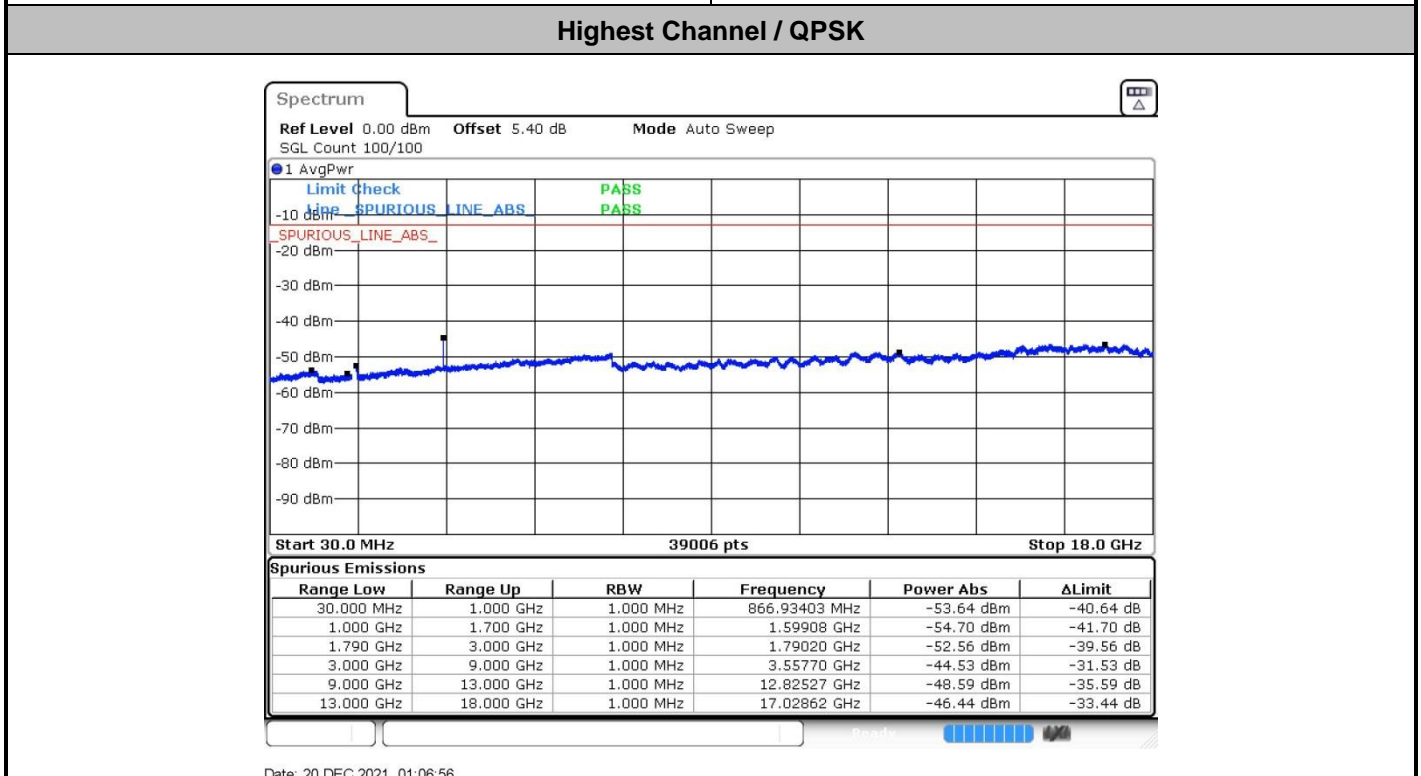
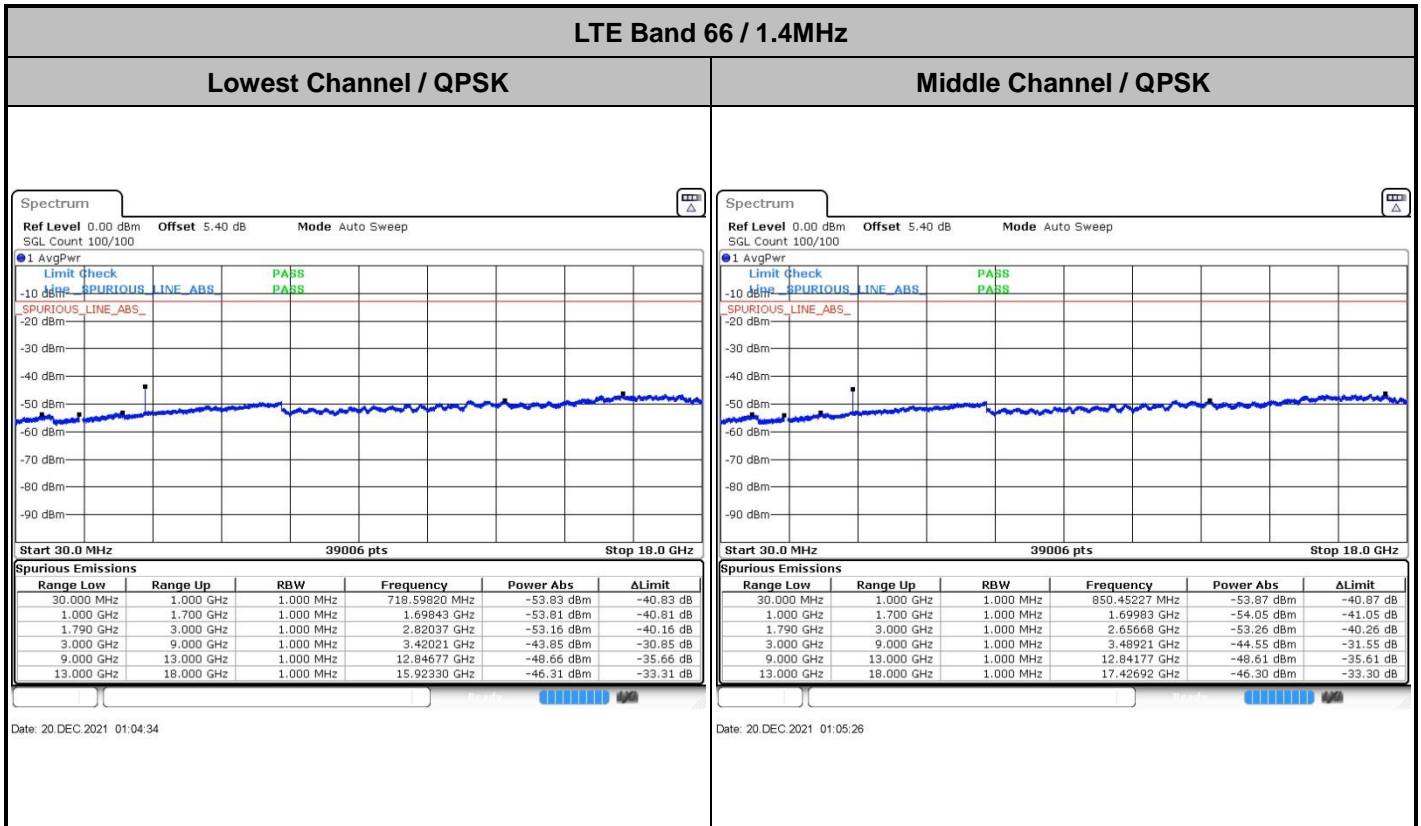
Highest Band Edge / Full RB



Date: 26.DEC.2021 22:46:00



# Conducted Spurious Emission

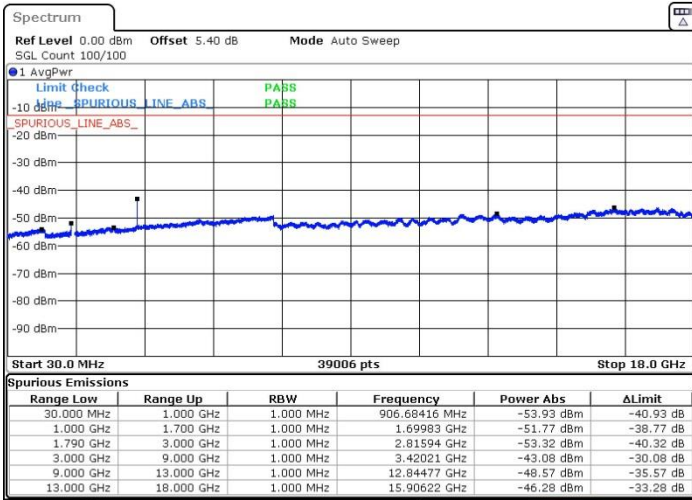




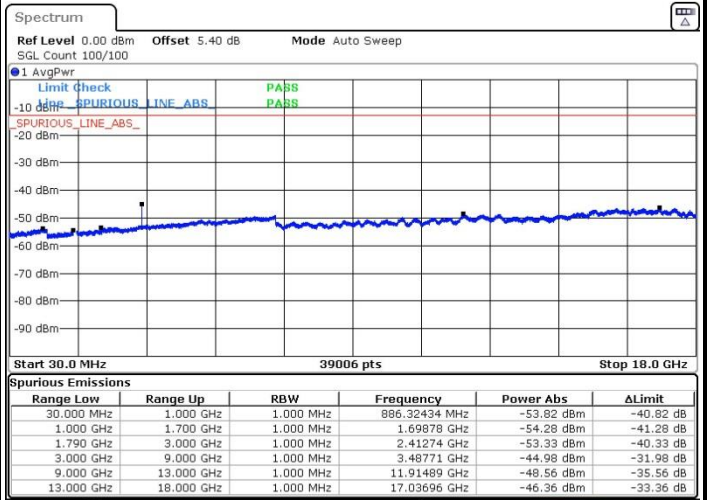
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

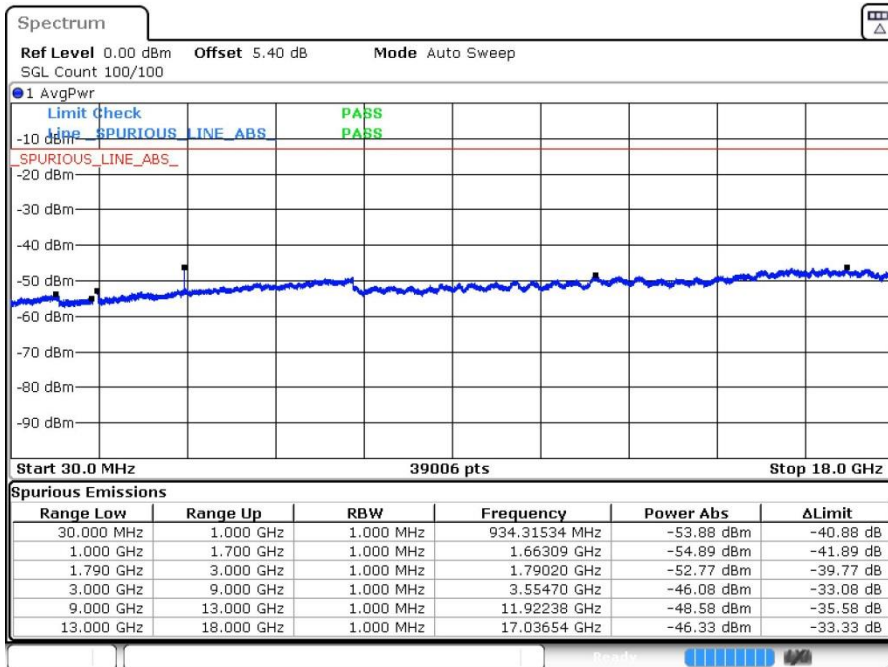


Date: 20 DEC 2021 01:08:05



Date: 20 DEC 2021 01:08:54

Highest Channel / QPSK



Date: 20 DEC 2021 01:10:20

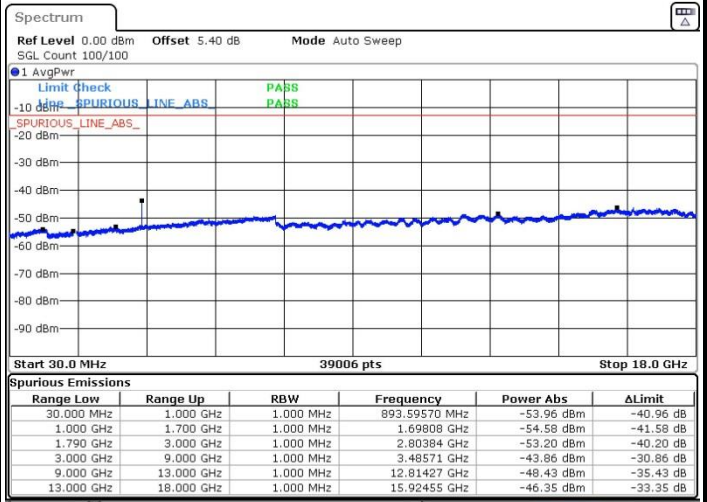
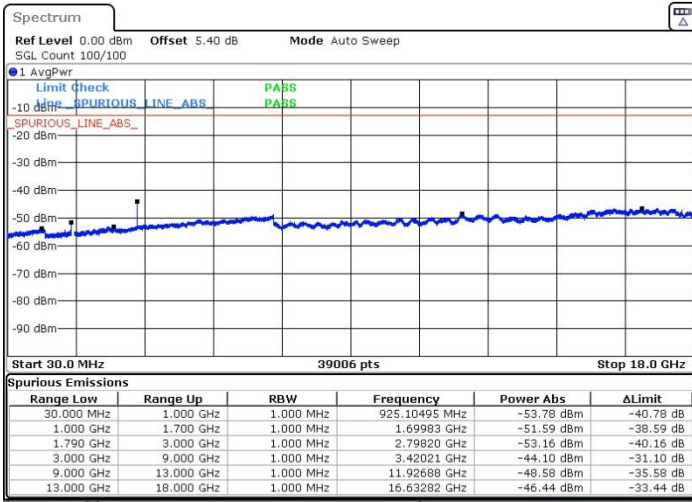




LTE Band 66 / 5MHz

Lowest Channel / QPSK

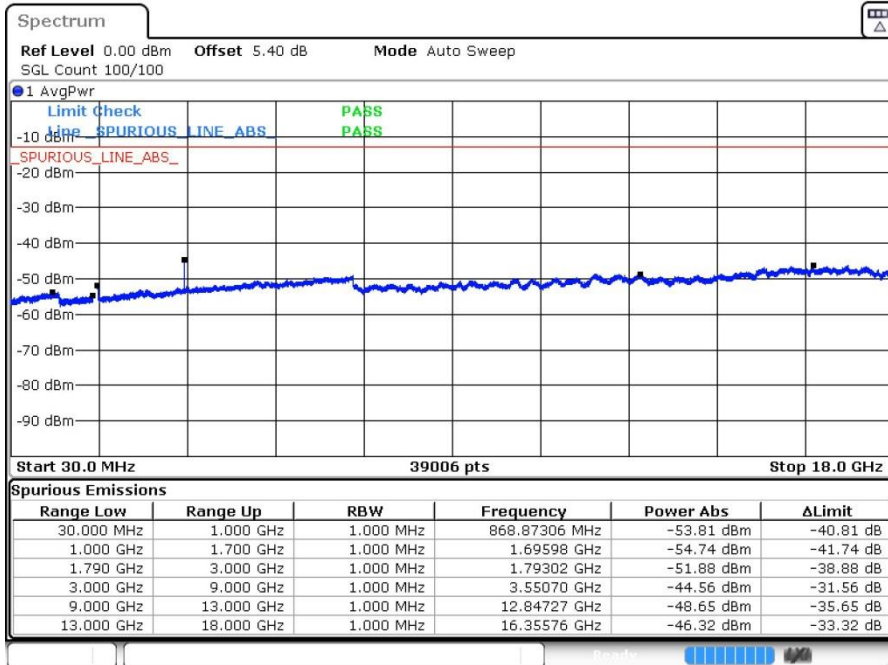
Middle Channel / QPSK



Date: 20 DEC 2021 01:12:14

Date: 20 DEC 2021 01:13:32

Highest Channel / QPSK



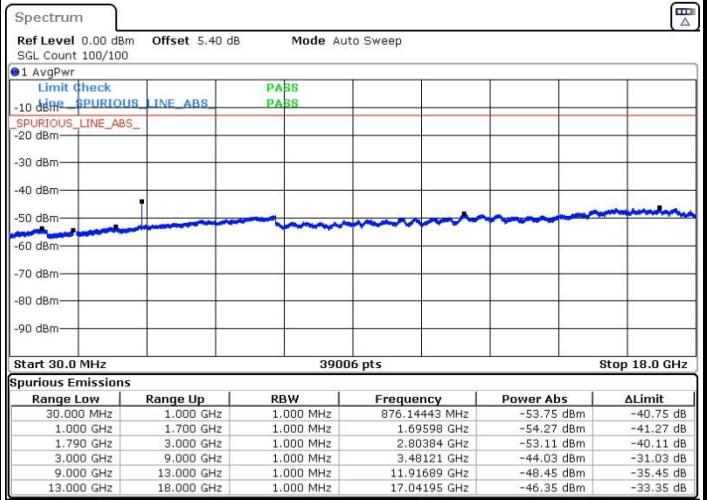
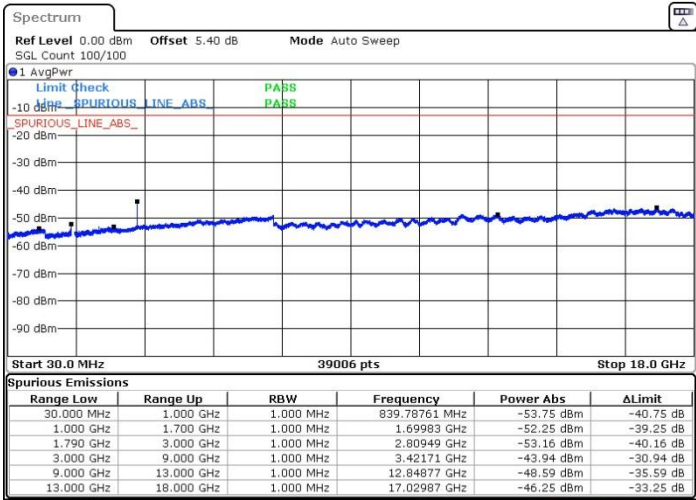
Date: 20 DEC 2021 01:14:30



LTE Band 66 / 10MHz

Lowest Channel / QPSK

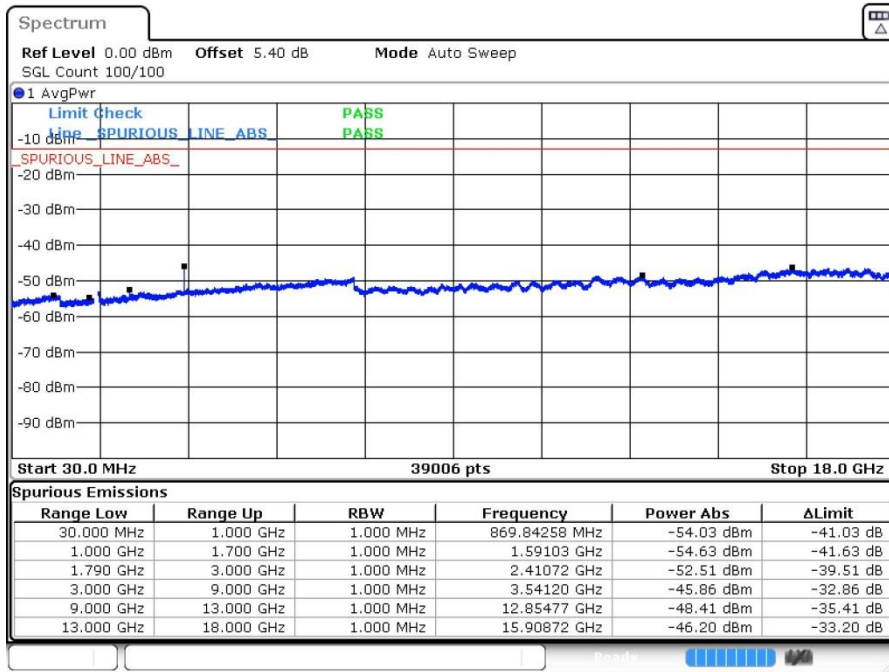
Middle Channel / QPSK



Date: 20 DEC 2021 01:15:33

Date: 20 DEC 2021 01:16:29

Highest Channel / QPSK

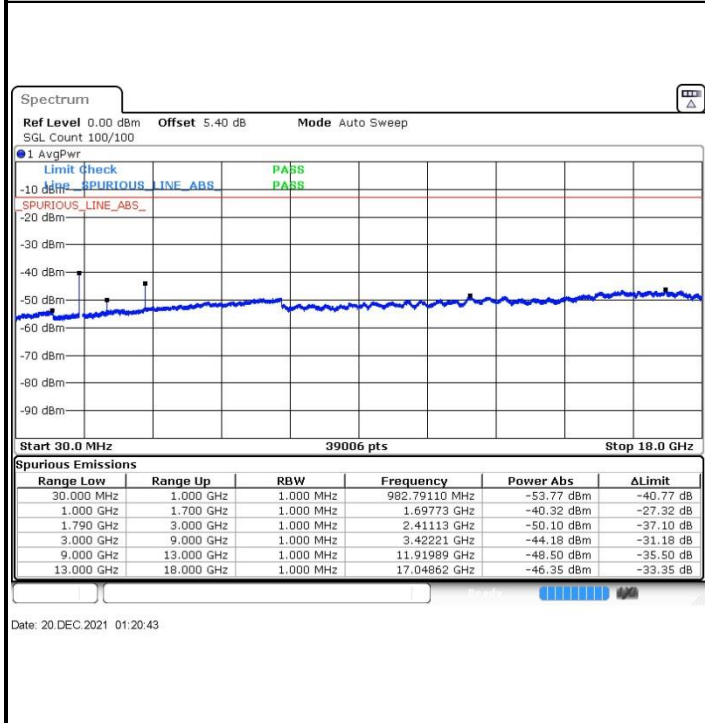


Date: 20 DEC 2021 01:17:41

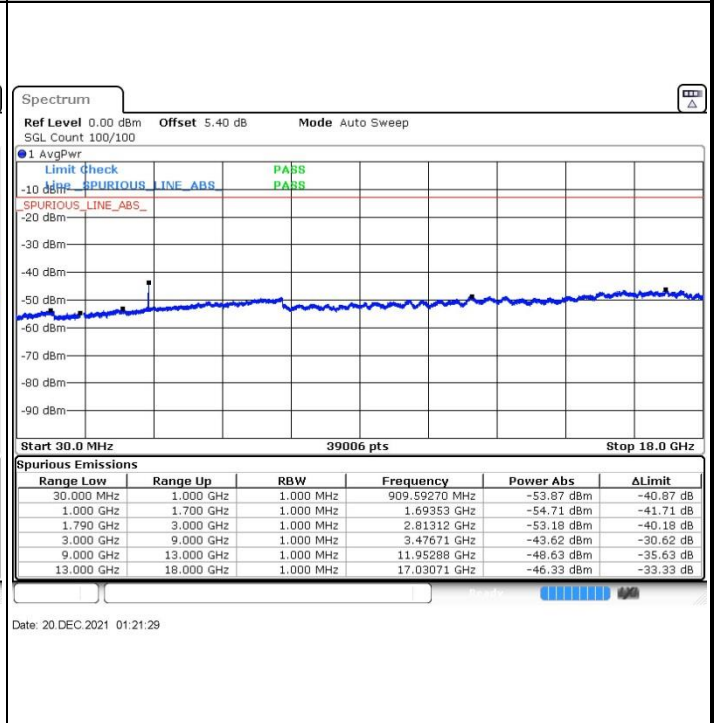


**LTE Band 66 / 15MHz**

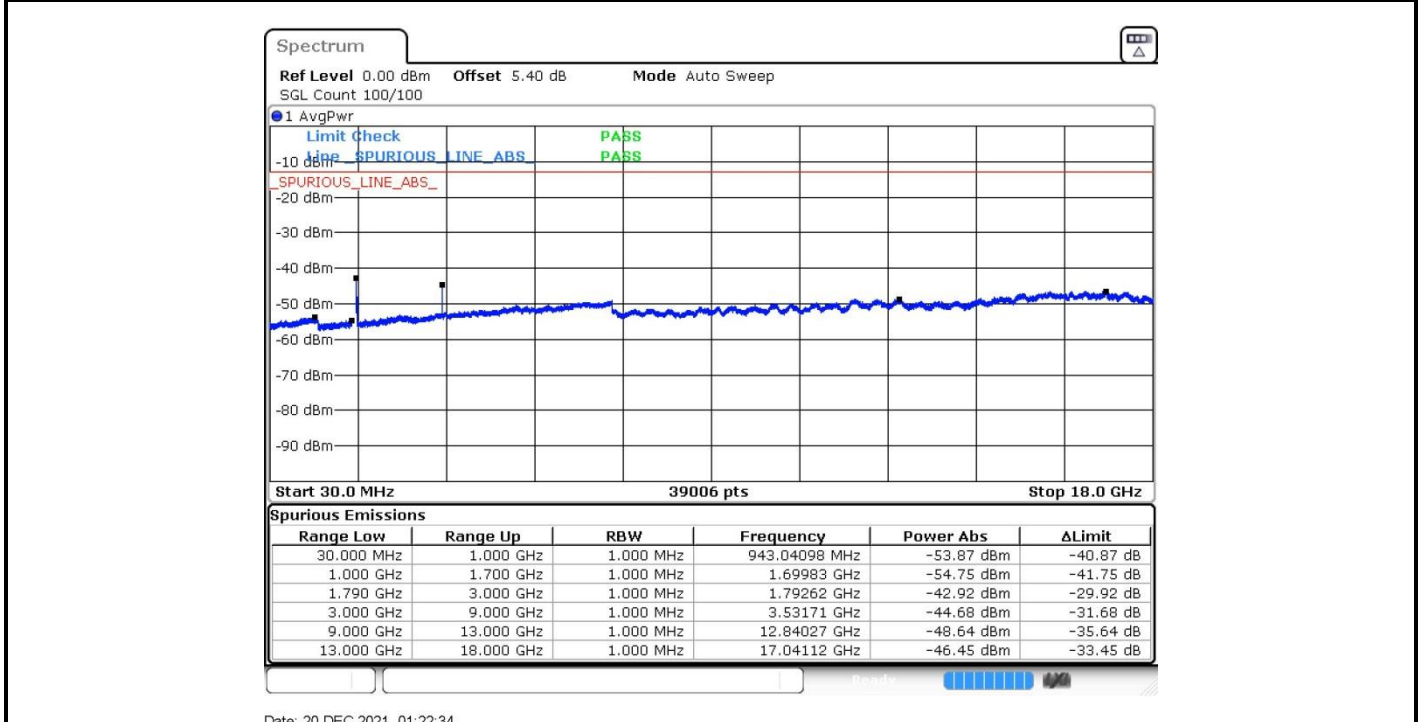
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**



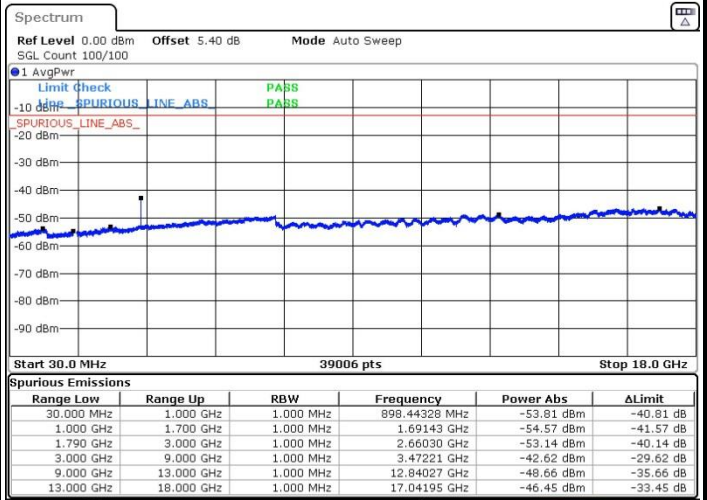
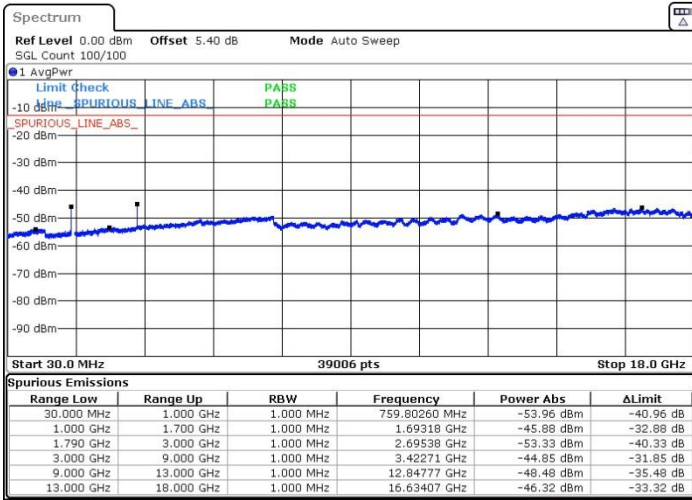




LTE Band 66 / 20MHz

Lowest Channel / QPSK

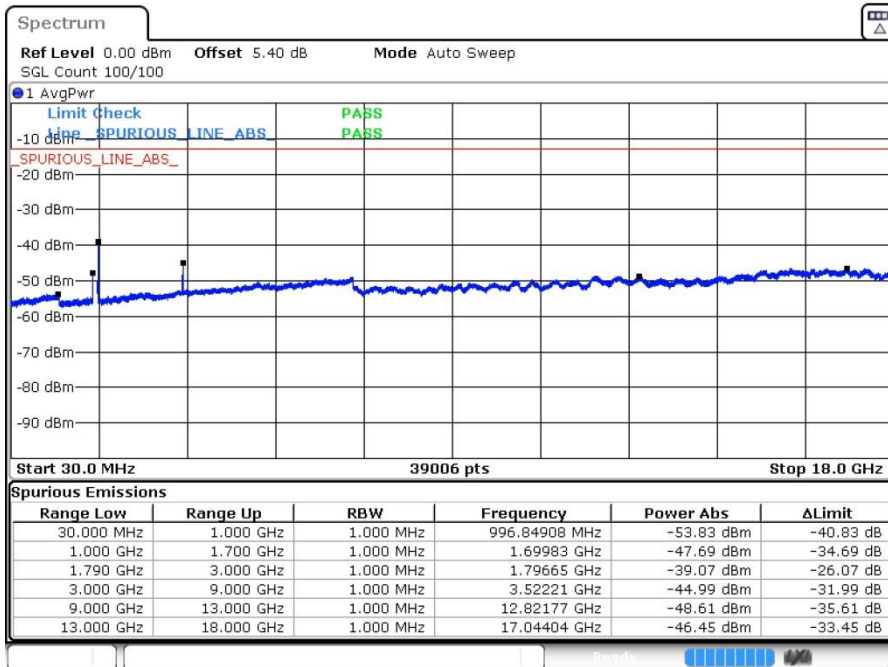
Middle Channel / QPSK



Date: 20 DEC 2021 01:23:46

Date: 20 DEC 2021 01:26:28

Highest Channel / QPSK



Date: 20 DEC 2021 01:28:20



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

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 :	40~42%

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	-41.37	-13	-28.37	-53.63	2.64	14.90	H
	5613	-53.76	-13	-40.76	-65.62	2.94	14.80	H
	7488	-51.67	-13	-38.67	-61.44	3.39	13.16	H
	3741	-46.53	-13	-33.53	-58.79	2.64	14.90	V
	5613	-50.23	-13	-37.23	-62.09	2.94	14.80	V
	7488	-51.65	-13	-38.65	-61.42	3.39	13.16	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	5050	-61.32	-25	-36.32	-71.53	3.03	13.24	H
	7584	-60.69	-25	-35.69	-70.14	3.56	13.01	H
	10104	-61.50	-25	-36.50	-71.02	3.92	13.44	H
	5050	-62.23	-25	-37.23	-72.44	3.03	13.24	V
	7584	-60.37	-25	-35.37	-69.82	3.56	13.01	V
	10104	-61.46	-25	-36.46	-70.98	3.92	13.44	V

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

LTE Band 13 / 5MHz / 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	1560	-61.91	-42.15	-19.76	-64.54	1.09	5.87	H
	2340	-61.16	-13	-48.16	-63.56	1.37	5.92	H
	3120	-59.55	-13	-46.55	-63.44	1.64	7.68	H
	1560	-61.74	-42.15	-19.59	-64.37	1.09	5.87	V
	2340	-59.84	-13	-46.84	-62.24	1.37	5.92	V
	3120	-59.08	-13	-46.08	-62.97	1.64	7.68	V

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



LTE Band 13 / 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	1552	-62.97	-13	-49.97	-65.60	1.09	5.87	H
	2328	-60.79	-13	-47.79	-63.19	1.37	5.92	H
	3112	-59.02	-13	-46.02	-62.91	1.64	7.68	H
	1552	-62.89	-13	-49.89	-65.52	1.09	5.87	V
	2328	-59.14	-13	-46.14	-61.54	1.37	5.92	V
	3112	-57.67	-13	-44.67	-61.56	1.64	7.68	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	1656	-63.63	-13	-50.63	-70.60	1.58	10.70	H
	2488	-56.77	-13	-43.77	-65.02	2.102	12.50	H
	3320	-55.17	-13	-42.17	-64.06	2.856	13.90	H
	1656	-63.23	-13	-50.23	-70.20	1.58	10.70	V
	2488	-53.46	-13	-40.46	-61.71	2.10	12.50	V
	3320	-55.39	-13	-42.39	-64.28	2.86	13.90	V

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

LTE Band 38 / 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	5176	-60.19	-25	-35.19	-70.40	3.03	13.24	H
	7752	-59.73	-25	-34.73	-69.18	3.56	13.01	H
	10342	-60.55	-25	-35.55	-70.07	3.92	13.44	H
	5176	-55.83	-25	-30.83	-66.04	3.03	13.24	V
	7752	-56.70	-25	-31.70	-66.15	3.56	13.01	V
	10342	-60.59	-25	-35.59	-70.11	3.92	13.44	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	3495	-45.36	-13	-32.36	-56.10	2.604	13.34	H
	5235	-54.40	-13	-41.40	-64.91	3.011	13.52	H
	6990	-52.86	-13	-39.86	-63.06	3.271	13.47	H
	3495	-44.15	-13	-31.15	-54.89	2.604	13.34	V
	5235	-53.82	-13	-40.82	-64.33	3.011	13.52	V
	6990	-53.23	-13	-40.23	-63.43	3.271	13.47	V

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