



Lowest Band Edge / 1RB0 and 1RB99



Date: 22.NOV.2022 17:50:54

Date: 22.NOV.2022 17:31:06

Date: 22.NOV.2022 17:48:19

Date: 22.NOV.2022 17:26:12

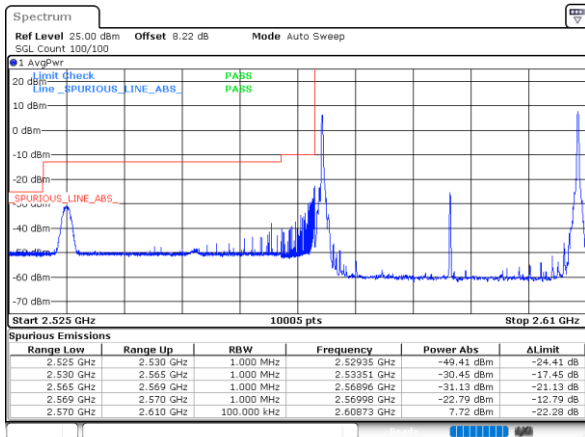
Date: 22.NOV.2022 17:56:20



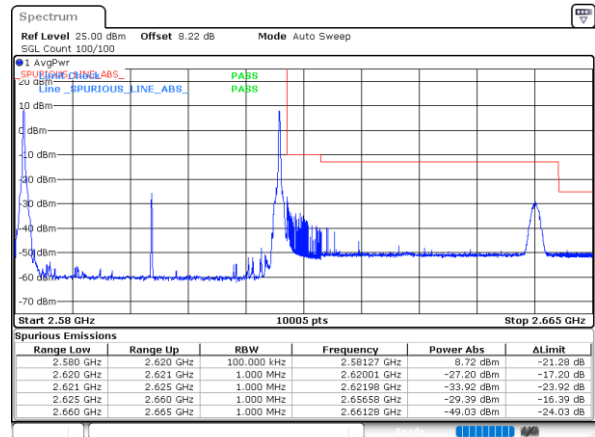
LTE Band 38C / 20MHz+20MHz

16QAM

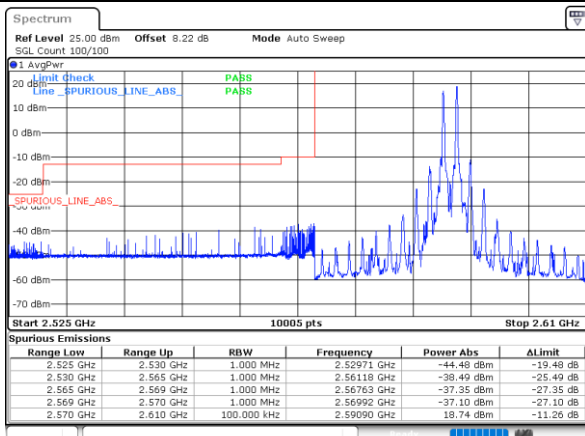
Lowest Band Edge / 1RB0 and 1RB99



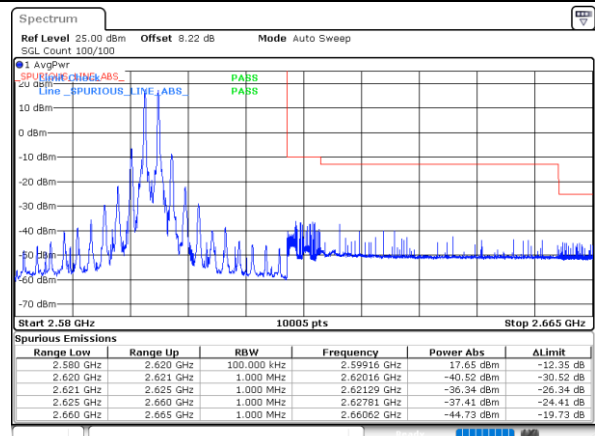
Highest Band Edge / 1RB0 and 1RB99



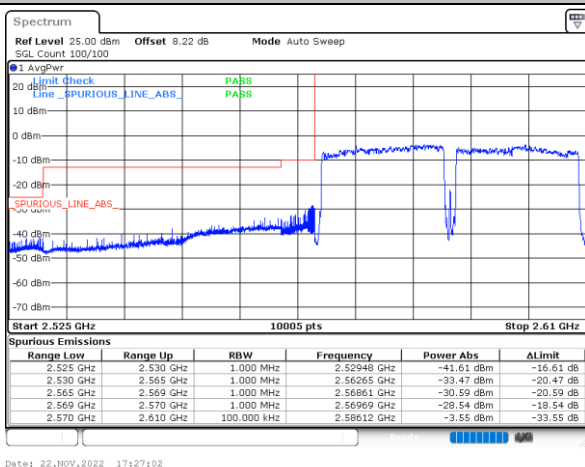
Lowest Band Edge / 1RB99 and 1RB0



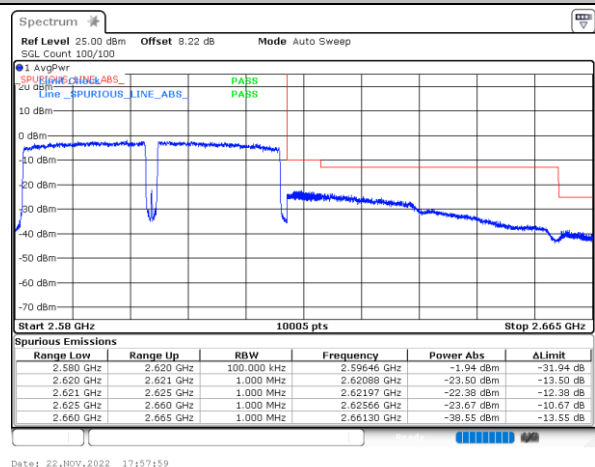
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

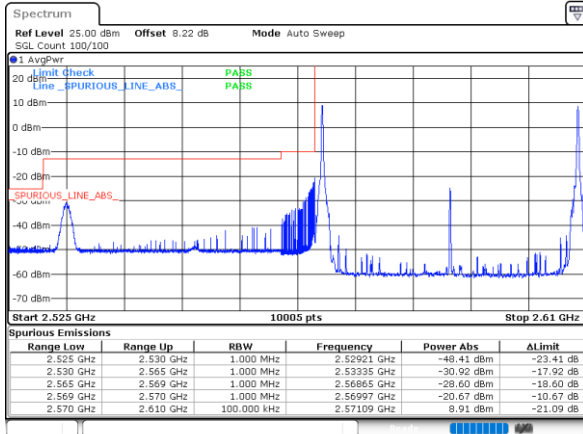




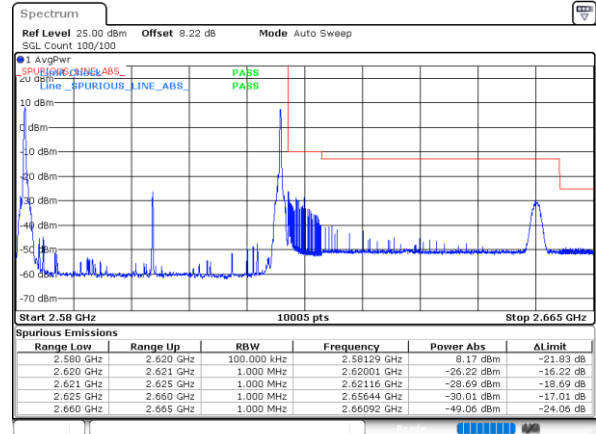
LTE Band 38C / 20MHz+20MHz

64QAM

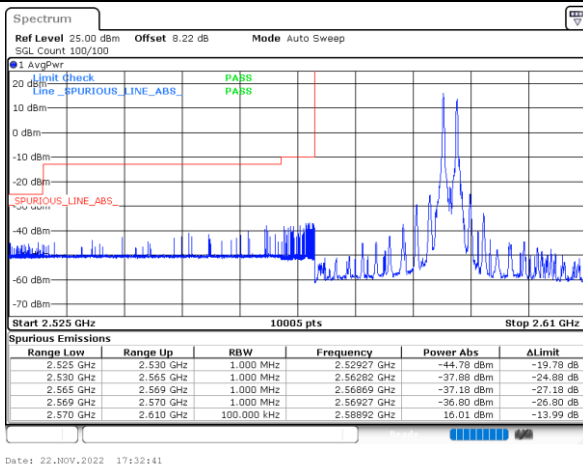
Lowest Band Edge / 1RB0 and 1RB99



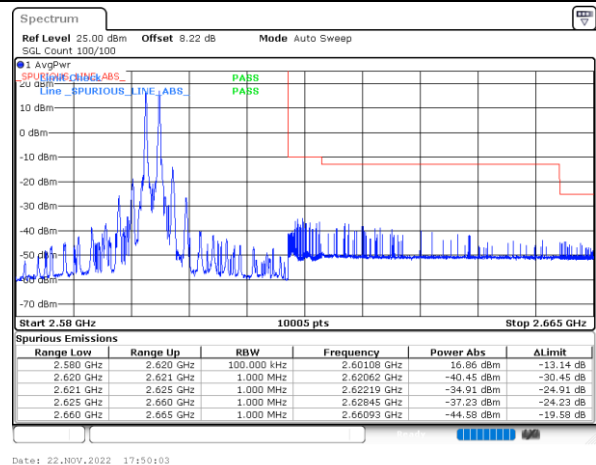
Highest Band Edge / 1RB0 and 1RB99



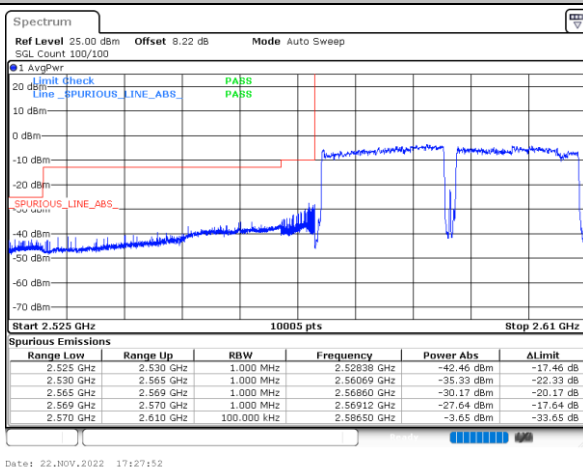
Lowest Band Edge / 1RB99 and 1RB0



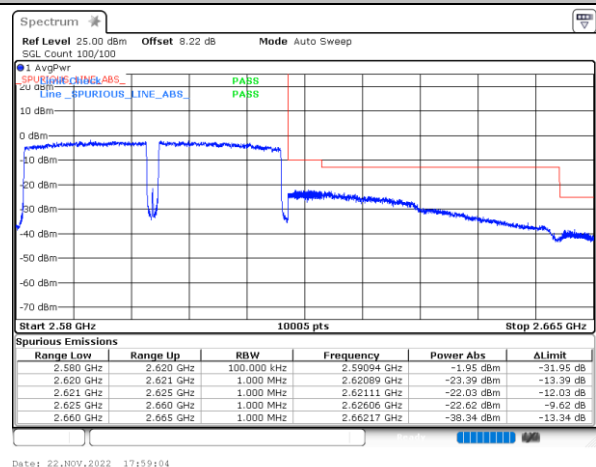
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





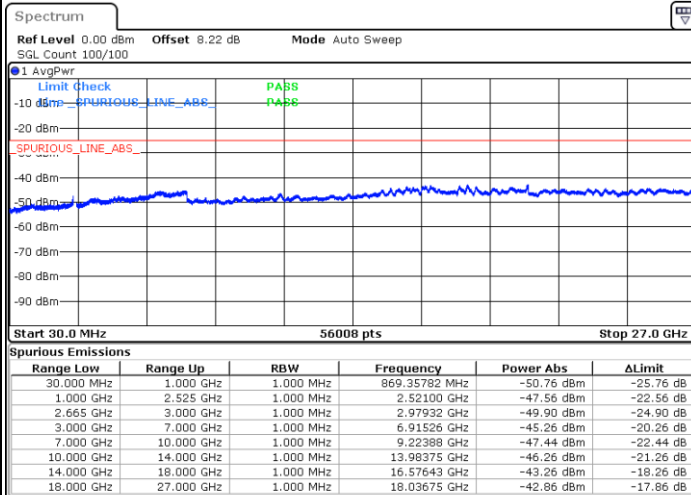
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

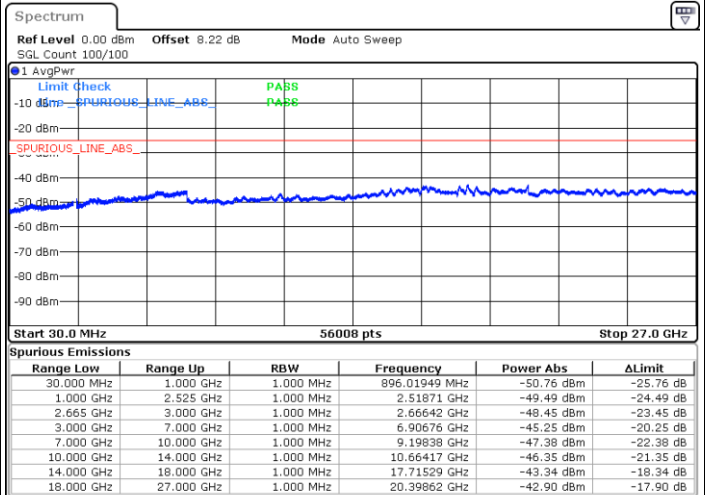
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



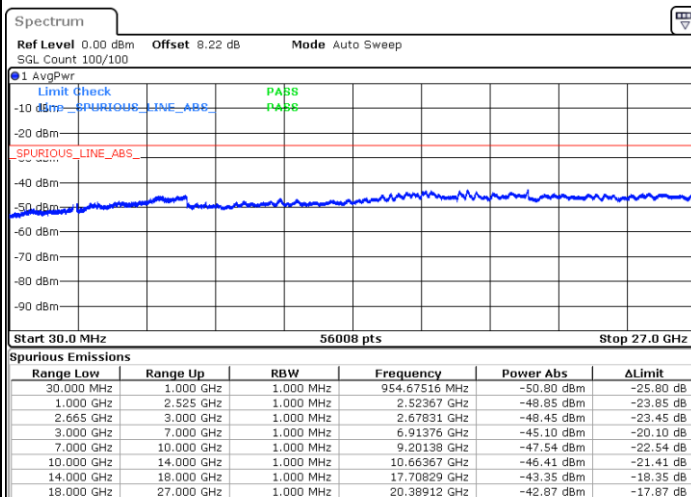
Date: 22.NOV.2022 17:01:17



Date: 22.NOV.2022 17:02:50

Highest Channel / 1RB74 and 1RB0

N/A



Date: 22.NOV.2022 17:04:23

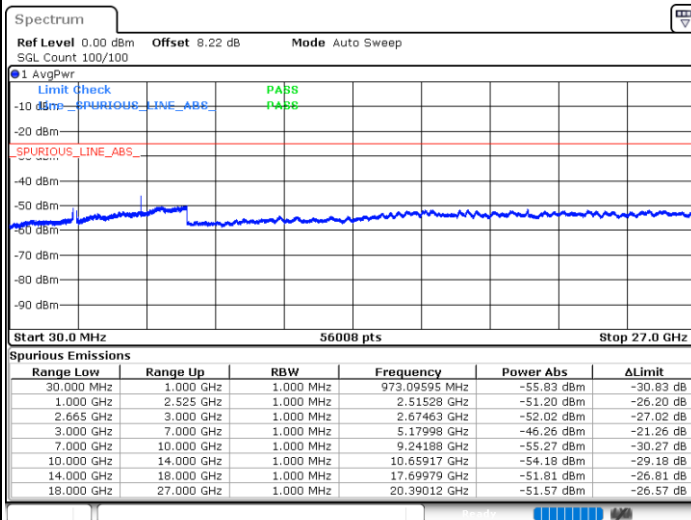


LTE Band 38C / 20MHz+20MHz

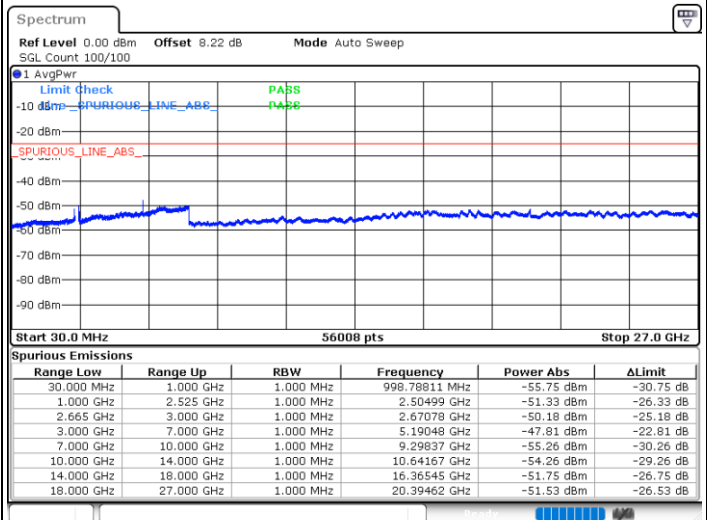
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



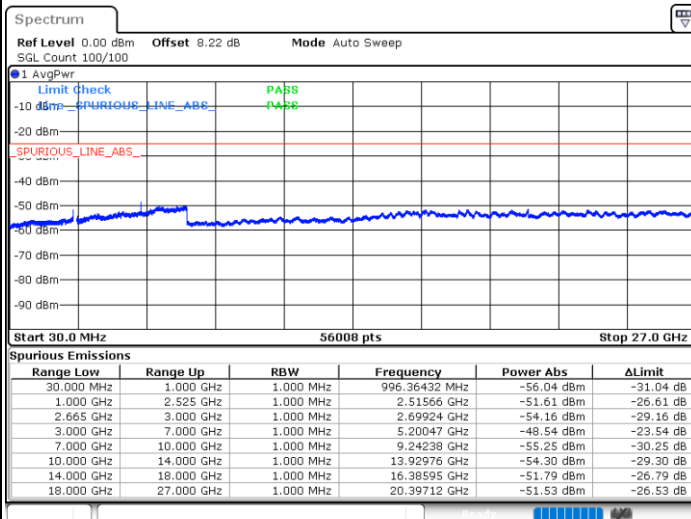
Date: 22.NOV.2022 17:34:08



Date: 22.NOV.2022 17:35:41

Highest Channel / 1RB99 and 1RB0

N/A



Date: 22.NOV.2022 17:37:14

**Frequency Stability**

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0034	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.25 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 :	23~25°C
		Relative Humidity :	41~42%

RSE Pre-scanned harmonic for Ant.0 & Ant.1, choose the worst antenna perform final test and record in the report.

LTE Band 5 / 10MHz / QPSK / ANT0								
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	1664	-64.16	-13	-51.16	-71.13	1.58	10.70	H
	2496	-62.17	-13	-49.17	-70.42	2.102	12.50	H
	3328	-62.06	-13	-49.06	-70.95	2.856	13.90	H
	1664	-65.29	-13	-52.29	-72.26	1.58	10.70	V
	2496	-60.90	-13	-47.90	-69.15	2.10	12.50	V
	3328	-61.84	-13	-48.84	-70.73	2.86	13.90	V

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

LTE Band 7 / 20MHz / QPSK / ANT0								
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	-63.44	-25	-38.44	-73.65	3.03	13.24	H
	7576	-61.11	-25	-36.11	-70.56	3.56	13.01	H
	10100	-60.54	-25	-35.54	-70.06	3.92	13.44	H
	5052	-62.13	-25	-37.13	-72.34	3.03	13.24	V
	7576	-61.94	-25	-36.94	-71.39	3.56	13.01	V
	10100	-59.12	-25	-34.12	-68.64	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK / ANT0								
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	-52.49	-25	-27.49	-62.70	3.03	13.24	H
	7752	-56.08	-25	-31.08	-65.53	3.56	13.01	H
	10340	-61.03	-25	-36.03	-70.55	3.92	13.44	H
	5168	-48.27	-25	-23.27	-58.48	3.03	13.24	V
	7752	-55.46	-25	-30.46	-64.91	3.56	13.01	V
	10340	-61.52	-25	-36.52	-71.04	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 / QPSK / ANT0								
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 (1RB0)	5032	-62.41	-25	-37.41	-72.62	3.03	13.24	H
	7548	-50.03	-25	-25.03	-59.48	3.56	13.01	H
	10060	-60.84	-25	-35.84	-70.36	3.92	13.44	H
	5032	-57.09	-25	-32.09	-67.30	3.03	13.24	V
	7548	-53.80	-25	-28.80	-63.25	3.56	13.01	V
	10060	-61.16	-25	-36.16	-70.68	3.92	13.44	V
Middle (1RBMax)	5068	-63.54	-25	-38.54	-73.75	3.03	13.24	H
	7600	-62.48	-25	-37.48	-71.93	3.56	13.01	H
	10140	-61.70	-25	-36.70	-71.22	3.92	13.44	H
	5068	-63.42	-25	-38.42	-73.63	3.03	13.24	V
	7600	-62.58	-25	-37.58	-72.03	3.56	13.01	V
	10140	-62.10	-25	-37.10	-71.62	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 / QPSK / ANT0								
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 (1RB0)	5152	-52.82	-25	-27.82	-63.03	3.03	13.24	H
	7728	-49.62	-25	-24.62	-59.07	3.56	13.01	H
	10300	-62.14	-25	-37.14	-71.66	3.92	13.44	H
	5152	-46.87	-25	-21.87	-57.08	3.03	13.24	V
	7728	-52.84	-25	-27.84	-62.29	3.56	13.01	V
	10300	-62.31	-25	-37.31	-71.83	3.92	13.44	V
Middle (1RBMax)	5188	-63.80	-25	-38.80	-74.01	3.03	13.24	H
	7784	-62.50	-25	-37.50	-71.95	3.56	13.01	H
	10380	-61.28	-25	-36.28	-70.80	3.92	13.44	H
	5188	-63.39	-25	-38.39	-73.60	3.03	13.24	V
	7784	-62.61	-25	-37.61	-72.06	3.56	13.01	V
	10380	-61.33	-25	-36.33	-70.85	3.92	13.44	V

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