

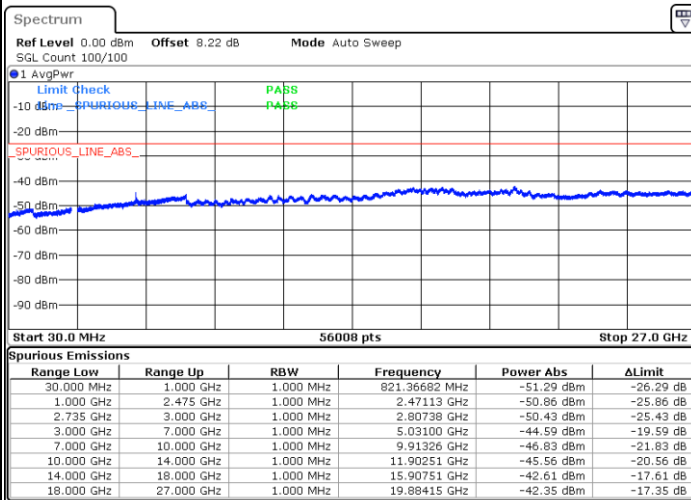


LTE Band 41C / 20MHz+10MHz

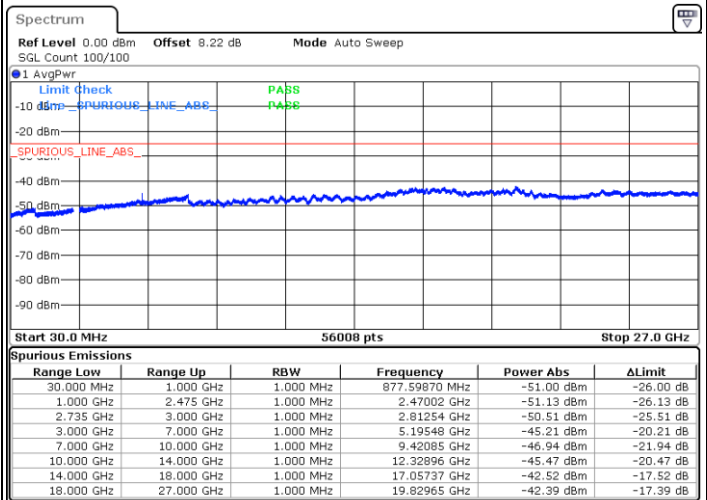
QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0



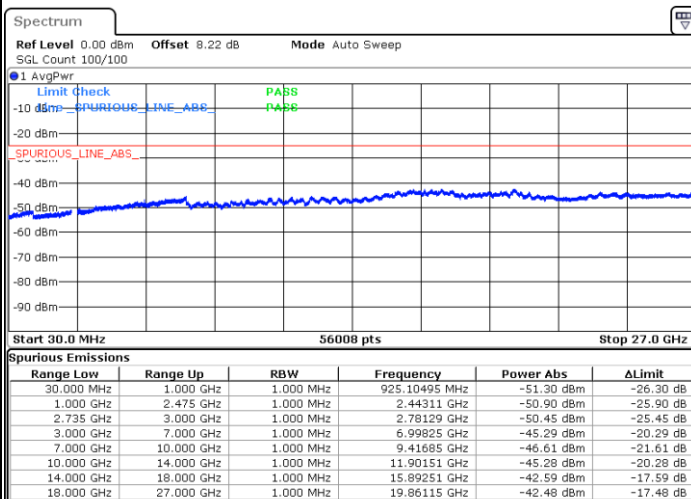
Date: 8.FEB.2023 01:14:33



Date: 8.FEB.2023 01:16:09

Highest Channel / 1RB99and 1RB0

N/A



Date: 8.FEB.2023 01:17:46

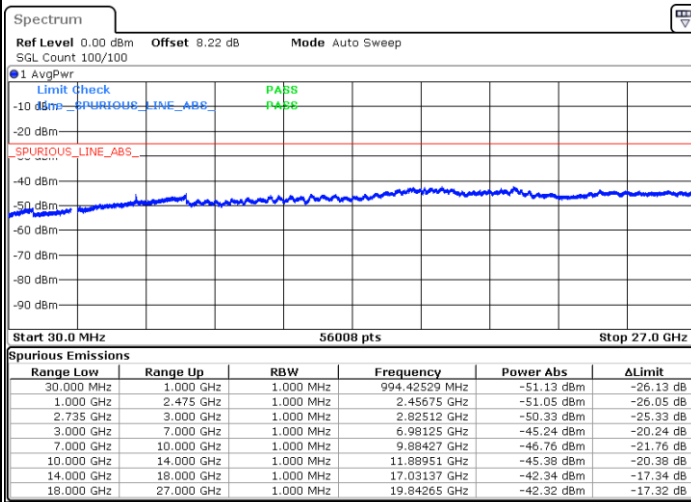


LTE Band 41C / 20MHz+15MHz

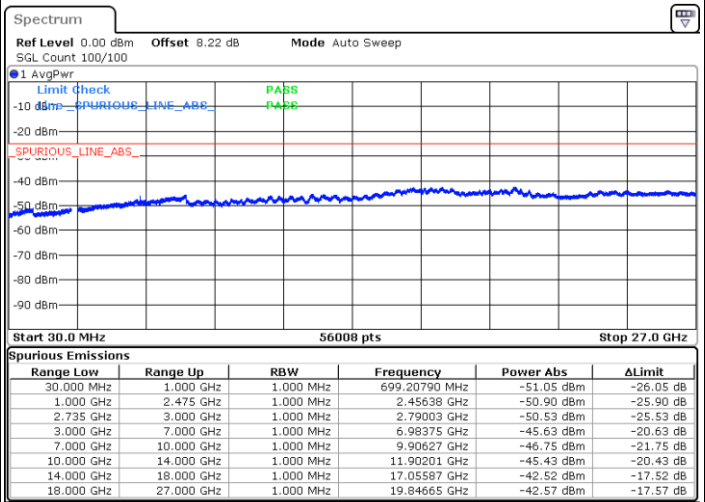
QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0



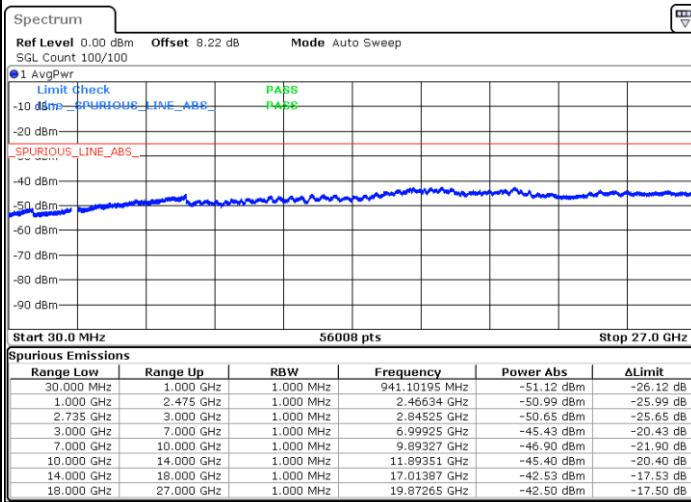
Date: 8.FEB.2023 01:37:21



Date: 8.FEB.2023 01:38:57

Highest Channel / 1RB99and 1RB0

N/A



Date: 8.FEB.2023 01:40:33

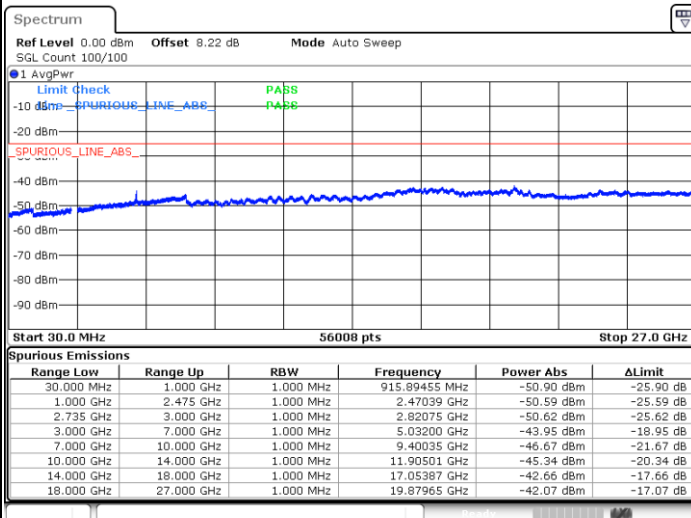


LTE Band 41C / 20MHz+20MHz

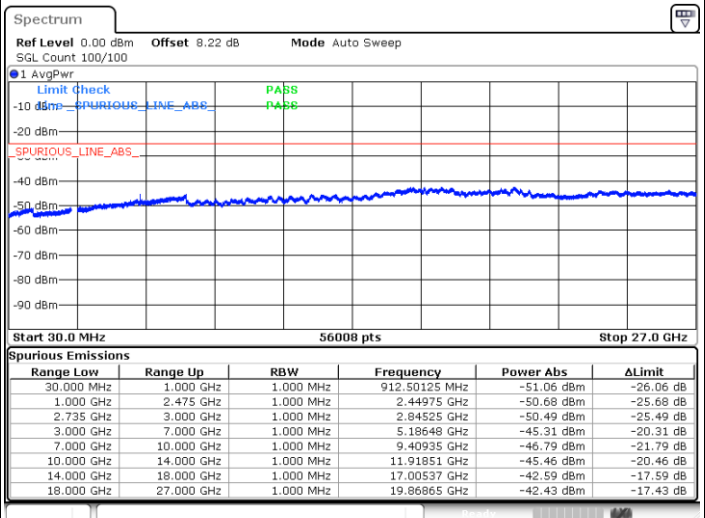
QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0



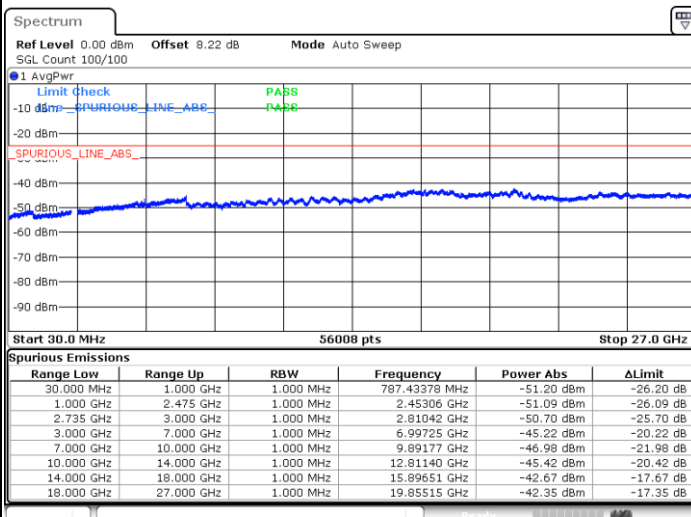
Date: 8.FEB.2023 02:00:05



Date: 8.FEB.2023 02:01:40

Highest Channel / 1RB99and 1RB0

N/A



Date: 8.FEB.2023 02:03:16

Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

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)
Lowest	4994	-61.64	-25	-36.64	-71.85	3.03	13.24	H
	7500	-58.21	-25	-33.21	-67.66	3.56	13.01	H
	10006	-60.27	-25	-35.27	-69.79	3.92	13.44	H
	4994	-60.83	-25	-35.83	-71.04	3.03	13.24	V
	7500	-57.51	-25	-32.51	-66.96	3.56	13.01	V
	10006	-61.96	-25	-36.96	-71.48	3.92	13.44	V
Middle	5052	-59.96	-25	-34.96	-70.17	3.03	13.24	H
	7580	-51.67	-25	-26.67	-61.12	3.56	13.01	H
	10100	-61.67	-25	-36.67	-71.19	3.92	13.44	H
	12630	-53.49	-25	-28.49	-63.41	4.44	14.36	H
	5052	-60.68	-25	-35.68	-70.89	3.03	13.24	V
	7580	-51.26	-25	-26.26	-60.71	3.56	13.01	V
	10100	-61.37	-25	-36.37	-70.89	3.92	13.44	V
	12630	-53.04	-25	-28.04	-62.96	4.44	14.36	V
Highest	5106	-60.89	-25	-35.89	-71.10	3.03	13.24	H
	7654	-54.76	-25	-29.76	-64.21	3.56	13.01	H
	10202	-60.55	-25	-35.55	-70.07	3.92	13.44	H
	12750	-55.18	-25	-30.18	-65.10	4.44	14.36	H
	5106	-61.57	-25	-36.57	-71.78	3.03	13.24	V
	7654	-54.66	-25	-29.66	-64.11	3.56	13.01	V
	10202	-61.96	-25	-36.96	-71.48	3.92	13.44	V
	12750	-55.34	-25	-30.34	-65.26	4.44	14.36	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)
Lowest	4994	-64.07	-25	-39.07	-74.28	3.03	13.24	H
	7491	-62.95	-25	-37.95	-72.40	3.56	13.01	H
	9988	-62.14	-25	-37.14	-71.66	3.92	13.44	H
	4994	-64.26	-25	-39.26	-74.47	3.03	13.24	V
	7491	-62.97	-25	-37.97	-72.42	3.56	13.01	V
	9988	-62.47	-25	-37.47	-71.99	3.92	13.44	V
Middle	5168	-64.82	-25	-39.82	-75.03	3.03	13.24	H
	7752	-62.72	-25	-37.72	-72.17	3.56	13.01	H
	10336	-62.14	-25	-37.14	-71.66	3.92	13.44	H
	5168	-64.84	-25	-39.84	-75.05	3.03	13.24	V
	7752	-62.66	-25	-37.66	-72.11	3.56	13.01	V
	10336	-62.36	-25	-37.36	-71.88	3.92	13.44	V
Highest	5344	-63.25	-25	-38.25	-73.46	3.03	13.24	H
	8013.27	-62.60	-25	-37.60	-72.05	3.56	13.01	H
	10678	-61.67	-25	-36.67	-71.19	3.92	13.44	H
	5344	-62.86	-25	-37.86	-73.07	3.03	13.24	V
	8013.27	-62.46	-25	-37.46	-71.91	3.56	13.01	V
	10684.36	-61.90	-25	-36.90	-71.42	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								
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)
Lowest 1RB0	5008	-63.86	-25	-38.86	-74.07	3.03	13.24	H
	7503.27	-63.02	-25	-38.02	-72.47	3.56	13.01	H
	10004.36	-62.76	-25	-37.76	-72.28	3.92	13.44	H
	5008	-64.06	-25	-39.06	-74.27	3.03	13.24	V
	7503.27	-63.03	-25	-38.03	-72.48	3.56	13.01	V
	10004.36	-62.96	-25	-37.96	-72.48	3.92	13.44	V
Lowest 1RBMAX	5041.78	-63.90	-25	-38.90	-74.11	3.03	13.24	H
	7562.67	-63.12	-25	-38.12	-72.57	3.56	13.01	H
	10090	-62.35	-25	-37.35	-71.87	3.92	13.44	H
	5036	-64.02	-25	-39.02	-74.23	3.03	13.24	V
	7562.67	-62.94	-25	-37.94	-72.39	3.56	13.01	V
	10090	-62.76	-25	-37.76	-72.28	3.92	13.44	V
Middle 1RB0	5036	-63.87	-25	-38.87	-74.08	3.03	13.24	H
	7548.57	-62.84	-25	-37.84	-72.29	3.56	13.01	H
	10064.76	-62.42	-25	-37.42	-71.94	3.92	13.44	H
	5032.38	-64.09	-25	-39.09	-74.30	3.03	13.24	V
	7548.57	-62.80	-25	-37.80	-72.25	3.56	13.01	V
	10062	-62.80	-25	-37.80	-72.32	3.92	13.44	V
Middle 1RBMAX	5078	-64.15	-25	-39.15	-74.36	3.03	13.24	H
	7607.97	-63.10	-25	-38.10	-72.55	3.56	13.01	H
	10143.96	-62.06	-25	-37.06	-71.58	3.92	13.44	H
	5078	-64.21	-25	-39.21	-74.42	3.03	13.24	V
	7607.97	-63.05	-25	-38.05	-72.50	3.56	13.01	V
	10143.96	-62.32	-25	-37.32	-71.84	3.92	13.44	V
Highest 1RB0	5064	-64.03	-25	-39.03	-74.24	3.03	13.24	H
	7593.87	-62.95	-25	-37.95	-72.40	3.56	13.01	H
	10125.16	-62.01	-25	-37.01	-71.53	3.92	13.44	H
	5062.58	-63.93	-25	-38.93	-74.14	3.03	13.24	V
	7593.87	-62.98	-25	-37.98	-72.43	3.56	13.01	V
	10125.16	-62.17	-25	-37.17	-71.69	3.92	13.44	V
Highest 1RBMAX	5106	-64.23	-25	-39.23	-74.44	3.03	13.24	H
	7653.27	-62.62	-25	-37.62	-72.07	3.56	13.01	H
	10204.36	-62.53	-25	-37.53	-72.05	3.92	13.44	H
	5102.18	-64.22	-25	-39.22	-74.43	3.03	13.24	V
	7653.27	-62.29	-25	-37.29	-71.74	3.56	13.01	V
	10202	-62.52	-25	-37.52	-72.04	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								
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)
Lowest 1RB0	5148	-64.23	-25	-39.23	-74.44	3.03	13.24	H
	7713.27	-62.55	-25	-37.55	-72.00	3.56	13.01	H
	10284.36	-62.40	-25	-37.40	-71.92	3.92	13.44	H
	5148	-64.35	-25	-39.35	-74.56	3.03	13.24	V
	7713.27	-62.66	-25	-37.66	-72.11	3.56	13.01	V
	10284.36	-62.80	-25	-37.80	-72.32	3.92	13.44	V
Lowest 1RBMAX	5176	-64.68	-25	-39.68	-74.89	3.03	13.24	H
	7772.67	-62.51	-25	-37.51	-71.96	3.56	13.01	H
	10363.56	-61.85	-25	-36.85	-71.37	3.92	13.44	H
	5176	-64.52	-25	-39.52	-74.73	3.03	13.24	V
	7772.67	-62.64	-25	-37.64	-72.09	3.56	13.01	V
	10363.56	-62.24	-25	-37.24	-71.76	3.92	13.44	V
Middle 1RB0	5148	-64.19	-25	-39.19	-74.40	3.03	13.24	H
	7728.57	-62.55	-25	-37.55	-72.00	3.56	13.01	H
	10304.76	-62.45	-25	-37.45	-71.97	3.92	13.44	H
	5148	-64.27	-25	-39.27	-74.48	3.03	13.24	V
	7728.57	-62.37	-25	-37.37	-71.82	3.56	13.01	V
	10304.76	-62.57	-25	-37.57	-72.09	3.92	13.44	V
Middle 1RBMAX	5190	-64.89	-25	-39.89	-75.10	3.03	13.24	H
	7787.97	-62.67	-25	-37.67	-72.12	3.56	13.01	H
	10383.96	-61.89	-25	-36.89	-71.41	3.92	13.44	H
	5190	-64.86	-25	-39.86	-75.07	3.03	13.24	V
	7787.97	-62.59	-25	-37.59	-72.04	3.56	13.01	V
	10383.96	-62.02	-25	-37.02	-71.54	3.92	13.44	V
Highest 1RB0	5162	-64.65	-25	-39.65	-74.86	3.03	13.24	H
	7743.87	-62.22	-25	-37.22	-71.67	3.56	13.01	H
	10325.16	-61.97	-25	-36.97	-71.49	3.92	13.44	H
	5162.58	-64.60	-25	-39.60	-74.81	3.03	13.24	V
	7743.87	-62.19	-25	-37.19	-71.64	3.56	13.01	V
	10328	-62.19	-25	-37.19	-71.71	3.92	13.44	V
Highest 1RBMAX	5204	-65.48	-25	-40.48	-75.69	3.03	13.24	H
	7803.27	-62.71	-25	-37.71	-72.16	3.56	13.01	H
	10404.36	-61.90	-25	-36.90	-71.42	3.92	13.44	H
	5204	-65.50	-25	-40.50	-75.71	3.03	13.24	V
	7803.27	-62.68	-25	-37.68	-72.13	3.56	13.01	V
	10404.36	-62.21	-25	-37.21	-71.73	3.92	13.44	V

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

LTE Band 41C_CA / 20MHz+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)
Lowest 1RB0	4994	-63.20	-25	-38.20	-73.41	3.03	13.24	H
	7491.27	-62.61	-25	-37.61	-72.06	3.56	13.01	H
	9988.36	-62.45	-25	-37.45	-71.97	3.92	13.44	H
	4994.18	-63.44	-25	-38.44	-73.65	3.03	13.24	V
	7491.27	-62.68	-25	-37.68	-72.13	3.56	13.01	V
	9992	-62.44	-25	-37.44	-71.96	3.92	13.44	V
Lowest 1RBMAX	5036	-63.38	-25	-38.38	-73.59	3.03	13.24	H
	7550.67	-62.59	-25	-37.59	-72.04	3.56	13.01	H
	10067.56	-62.23	-25	-37.23	-71.75	3.92	13.44	H
	5036	-63.49	-25	-38.49	-73.70	3.03	13.24	V
	7550.67	-62.32	-25	-37.32	-71.77	3.56	13.01	V
	10067.56	-62.31	-25	-37.31	-71.83	3.92	13.44	V
Middle 1RB0	5148	-63.93	-25	-38.93	-74.14	3.03	13.24	H
	7722.57	-62.12	-25	-37.12	-71.57	3.56	13.01	H
	10296.76	-62.20	-25	-37.20	-71.72	3.92	13.44	H
	5148	-64.00	-25	-39.00	-74.21	3.03	13.24	V
	7722.57	-62.00	-25	-37.00	-71.45	3.56	13.01	V
	10296.76	-62.49	-25	-37.49	-72.01	3.92	13.44	V
Middle 1RBMAX	5190	-64.28	-25	-39.28	-74.49	3.03	13.24	H
	7781.97	-62.25	-25	-37.25	-71.70	3.56	13.01	H
	10375.96	-61.72	-25	-36.72	-71.24	3.92	13.44	H
	5190	-64.35	-25	-39.35	-74.56	3.03	13.24	V
	7781.97	-62.26	-25	-37.26	-71.71	3.56	13.01	V
	10375.96	-61.99	-25	-36.99	-71.51	3.92	13.44	V
Highest 1RB0	5302	-64.09	-25	-39.09	-74.30	3.03	13.24	H
	7953.87	-62.14	-25	-37.14	-71.59	3.56	13.01	H
	10605.16	-61.10	-25	-36.10	-70.62	3.92	13.44	H
	5302.58	-63.98	-25	-38.98	-74.19	3.03	13.24	V
	7953.87	-62.13	-25	-37.13	-71.58	3.56	13.01	V
	10608	-61.19	-25	-36.19	-70.71	3.92	13.44	V
Highest 1RBMAX	5342.18	-63.06	-25	-38.06	-73.27	3.03	13.24	H
	8013.27	-62.20	-25	-37.20	-71.65	3.56	13.01	H
	10678	-61.42	-25	-36.42	-70.94	3.92	13.44	H
	5342.18	-62.89	-25	-37.89	-73.10	3.03	13.24	V
	8013.27	-62.12	-25	-37.12	-71.57	3.56	13.01	V
	10678	-61.45	-25	-36.45	-70.97	3.92	13.44	V

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