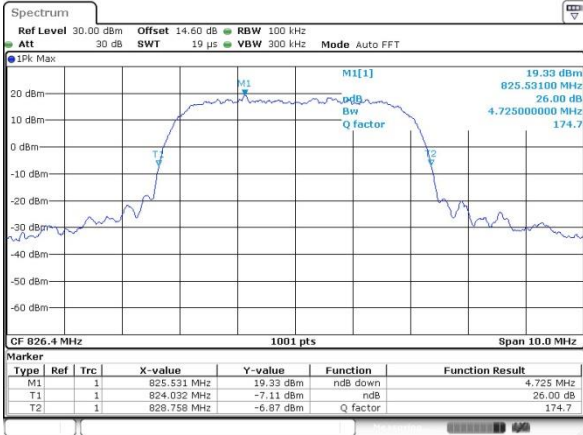




WCDMA Band V (RMC 12.2Kbps)

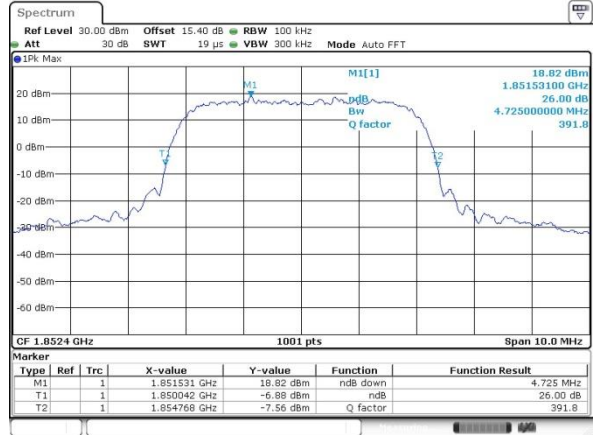
Lowest Channel



Date: 14_AUG.2023 19:54:11

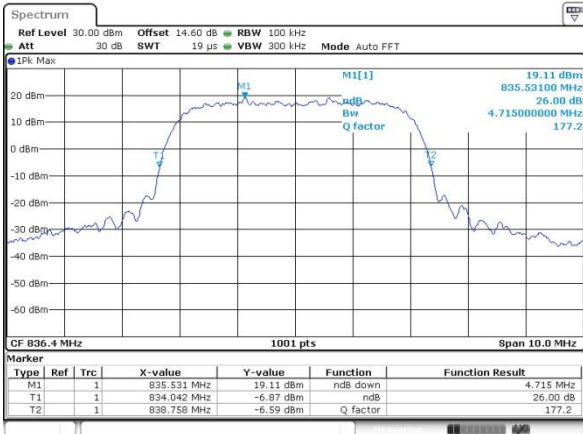
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



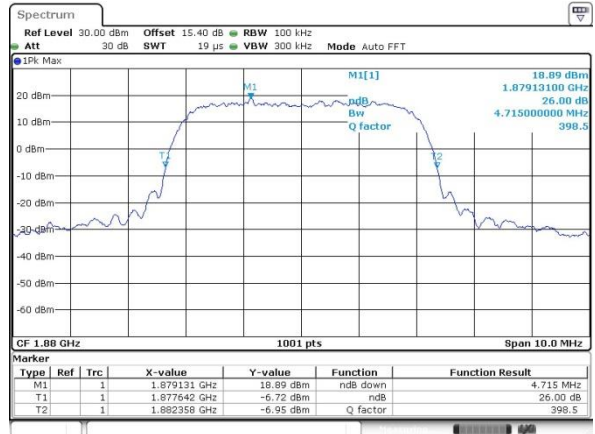
Date: 14_AUG.2023 18:50:59

Middle Channel



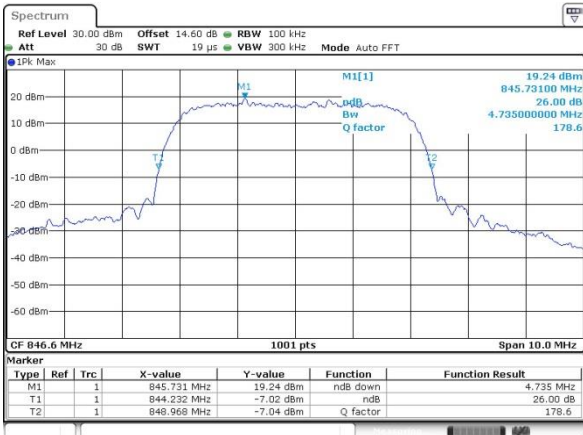
Date: 14_AUG.2023 19:54:42

Middle Channel



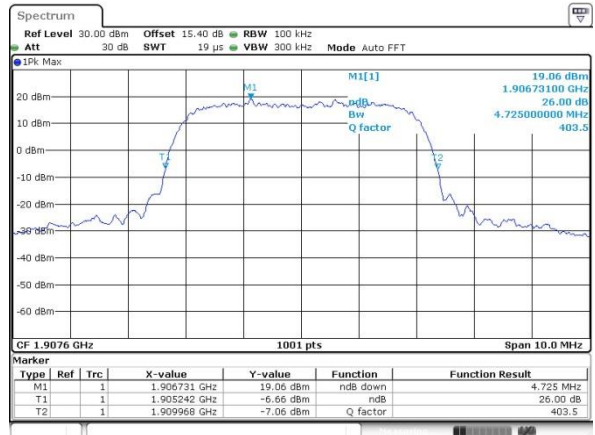
Date: 14_AUG.2023 18:51:39

Highest Channel



Date: 14_AUG.2023 19:55:22

Highest Channel

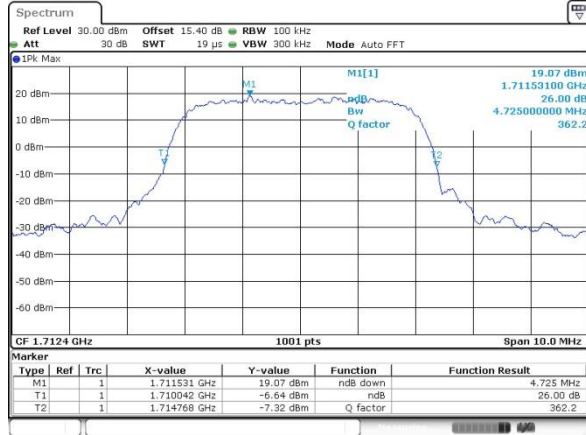


Date: 14_AUG.2023 18:52:08



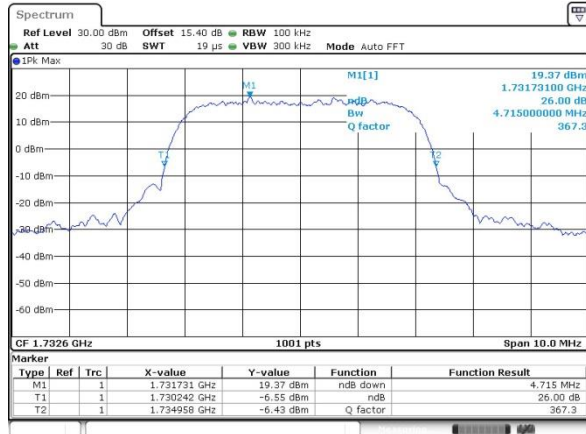
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



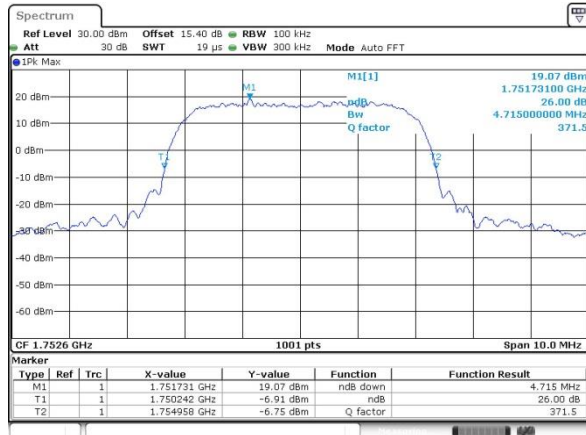
Date: 14.AUG.2023 18:13:35

Middle Channel



Date: 14.AUG.2023 18:14:03

Highest Channel



Date: 14.AUG.2023 18:14:31



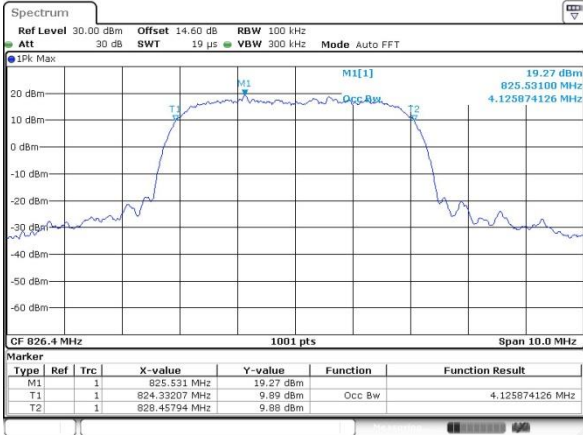
Occupied Bandwidth

Mode	WCDMA Band V (MHz)	WCDMA Band II (MHz)	WCDMA Band IV (MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.136	4.146
Middle CH	4.136	4.136	4.136
Highest CH	4.146	4.136	4.146



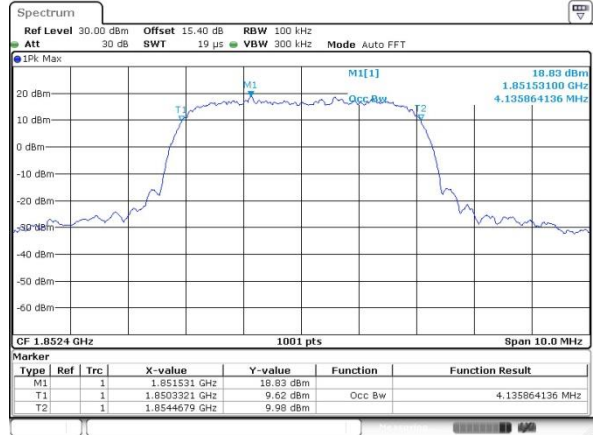
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

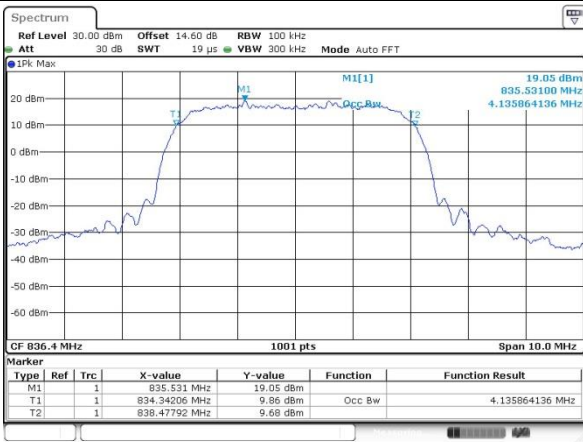


WCDMA Band II (RMC 12.2Kbps)

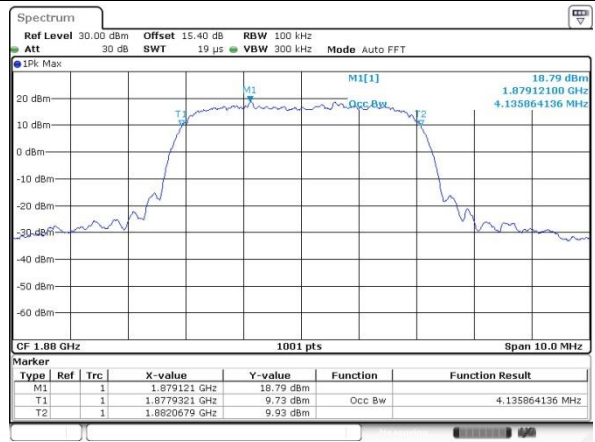
Lowest Channel



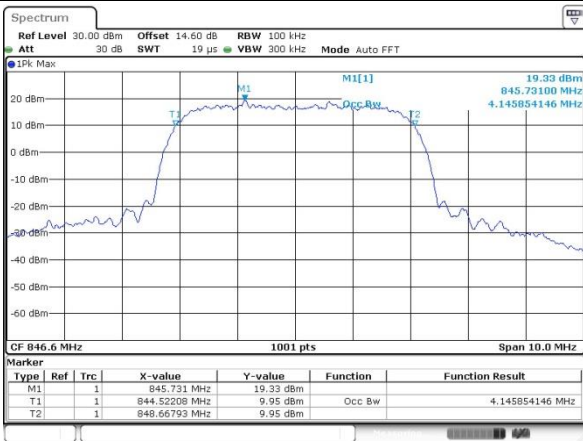
Middle Channel



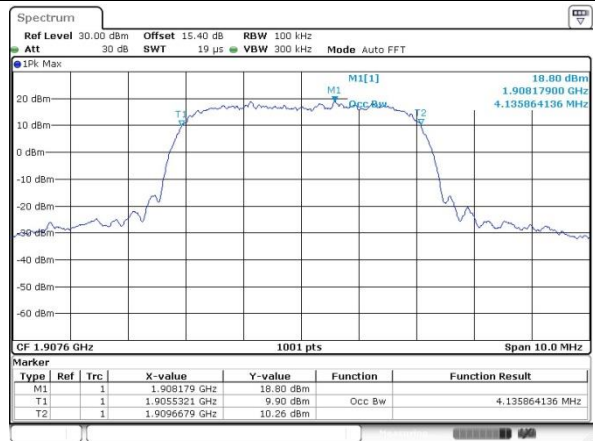
Middle Channel



Highest Channel



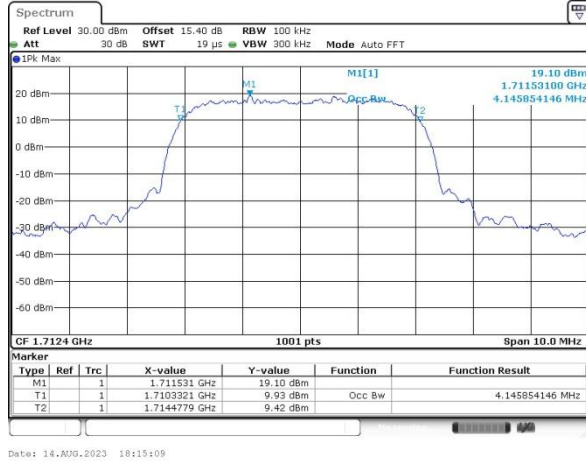
Highest Channel





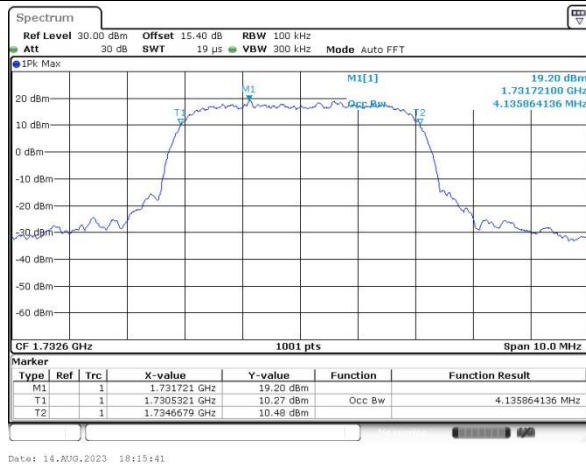
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



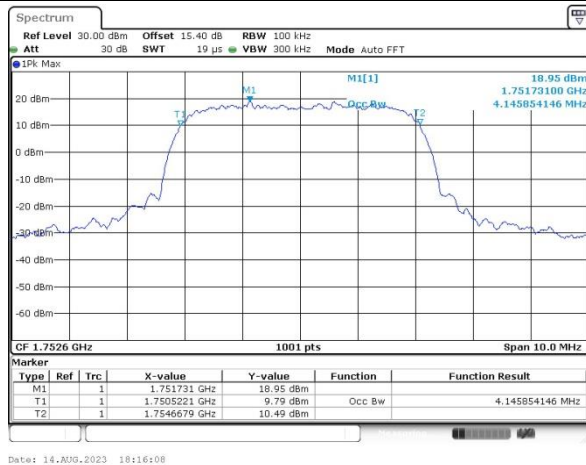
Date: 14.AUG.2023 18:15:09

Middle Channel



Date: 14.AUG.2023 18:15:41

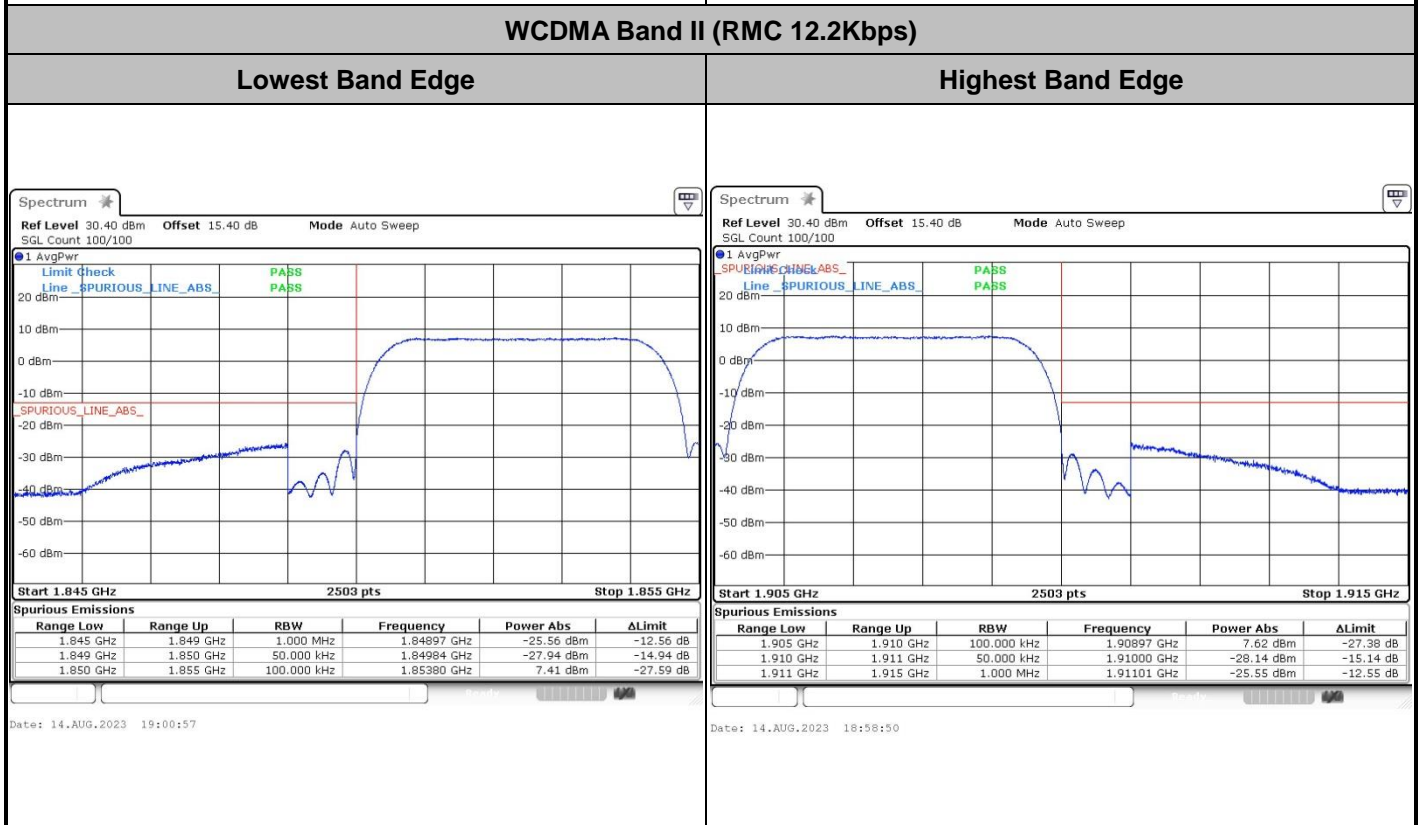
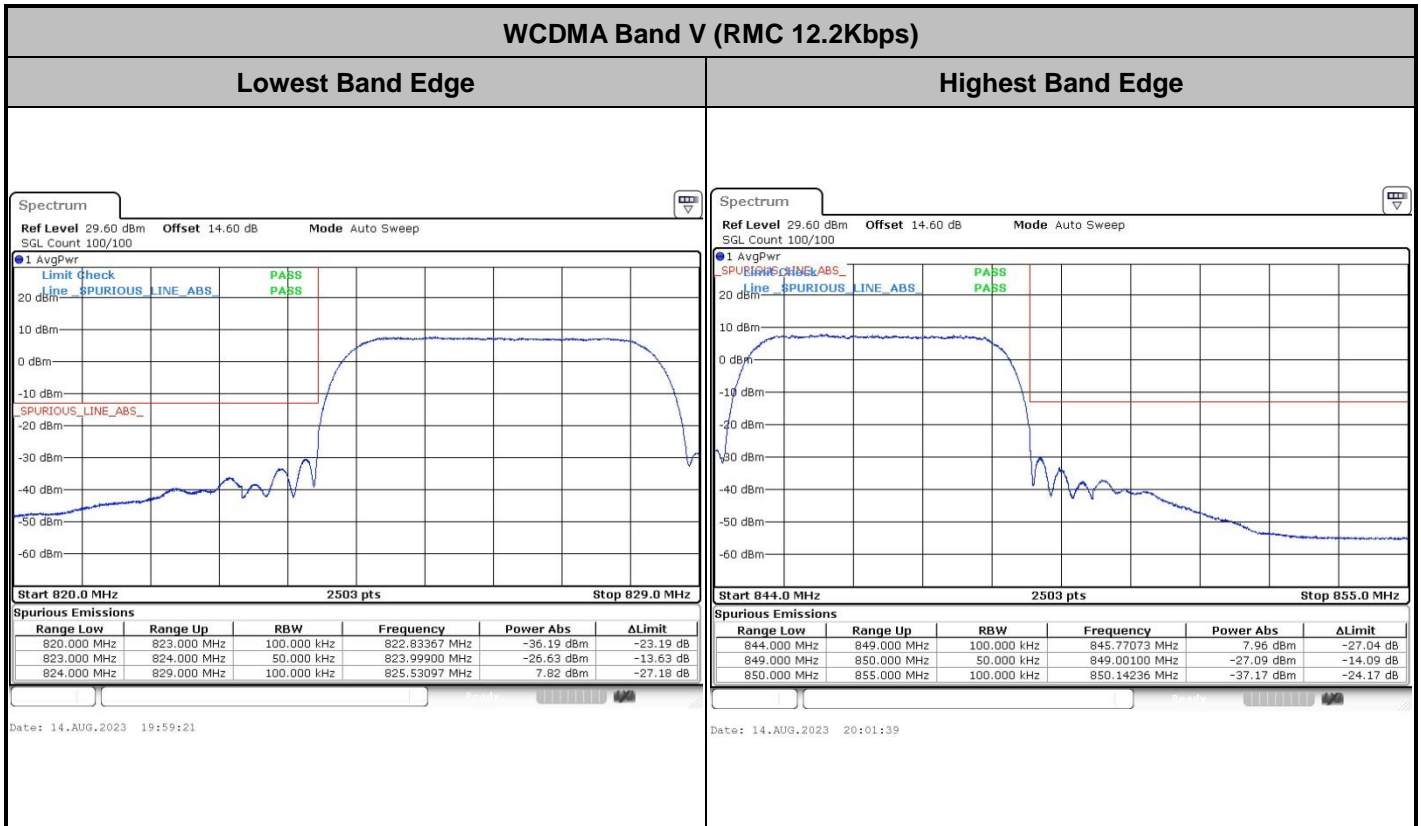
Highest Channel



Date: 14.AUG.2023 18:16:08



Conducted Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

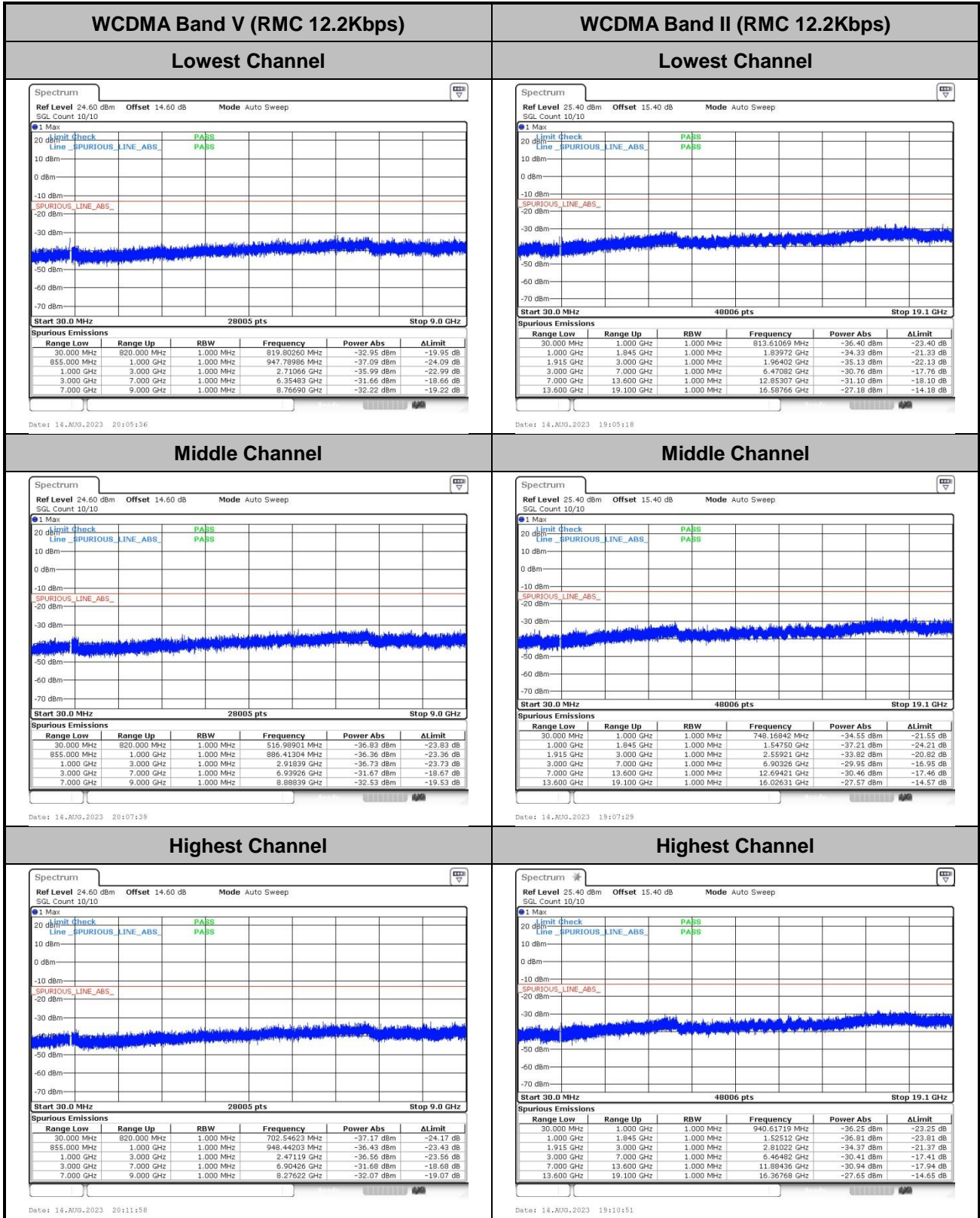


Date: 14.AUG.2023 18:18:12

Date: 14.AUG.2023 18:20:08



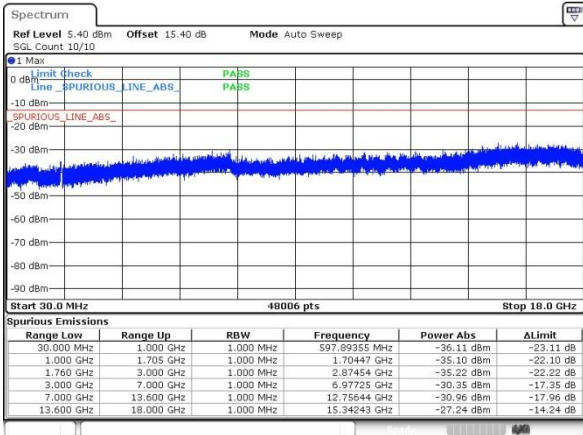
Conducted Spurious Emission





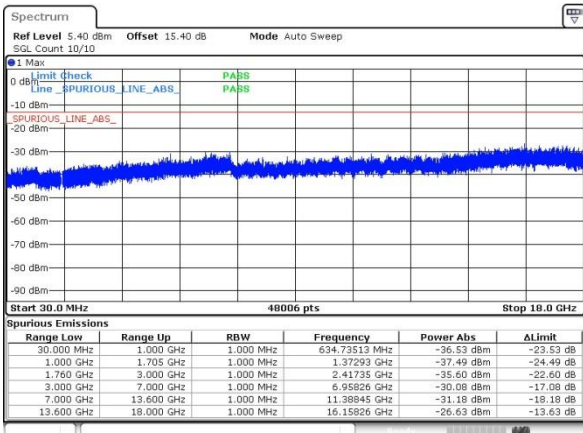
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



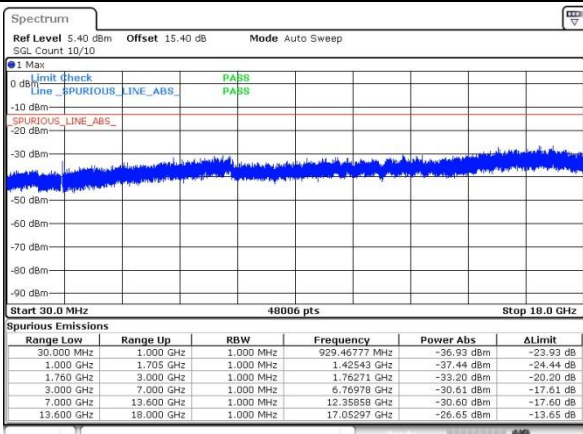
Date: 14_AUG_2023 18:22:10

Middle Channel



Date: 14_AUG_2023 18:24:18

Highest Channel



Date: 14_AUG_2023 18:26:24



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0319	
30	Normal Voltage	0.0448	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0192	
-30	Normal Voltage	0.0327	
20	Maximum Voltage	0.0496	
20	Normal Voltage	0.0157	
20	Battery End Point	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0148	PASS
40	Normal Voltage	0.0134	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0246	
0	Normal Voltage	0.0381	
-10	Normal Voltage	0.0469	
-20	Normal Voltage	0.0075	
-30	Normal Voltage	0.0527	
20	Maximum Voltage	0.0166	
20	Normal Voltage	0.0118	
20	Battery End Point	0.0067	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0196	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0146	
-20	Normal Voltage	0.0241	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0149	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake zhou	Temperature :	23~25°C
		Relative Humidity :	41~42%

GSM850 (GSM) / Ant.0								
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)
Lowest	1648	-52.94	-13	-39.94	-59.91	1.58	10.70	H
	2472	-47.93	-13	-34.93	-56.18	2.102	12.50	H
	3296	-68.83	-13	-55.83	-77.72	2.856	13.90	H
	1648	-52.15	-13	-39.15	-59.12	1.58	10.70	V
	2472	-44.36	-13	-31.36	-52.61	2.10	12.50	V
	3296	-68.27	-13	-55.27	-77.16	2.86	13.90	V
Middle	1672	-48.48	-13	-35.48	-55.45	1.58	10.70	H
	2510	-42.27	-13	-29.27	-50.52	2.102	12.50	H
	3348	-68.65	-13	-55.65	-77.54	2.856	13.90	H
	1672	-48.21	-13	-35.21	-55.18	1.58	10.70	V
	2510	-40.90	-13	-27.90	-49.15	2.10	12.50	V
	3348	-68.63	-13	-55.63	-77.52	2.86	13.90	V
Highest	1696	-45.56	-13	-32.56	-52.53	1.58	10.70	H
	2544	-50.27	-13	-37.27	-58.52	2.102	12.50	H
	3392	-68.27	-13	-55.27	-77.16	2.856	13.90	H
	1696	-45.29	-13	-32.29	-52.26	1.58	10.70	V
	2544	-48.14	-13	-35.14	-56.39	2.10	12.50	V
	3392	-68.23	-13	-55.23	-77.12	2.86	13.90	V

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



GSM850 (EDGE 1 Tx slots) / Ant.0								
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)
Lowest	1648	-52.87	-13	-39.87	-59.84	1.58	10.70	H
	2472	-49.77	-13	-36.77	-58.02	2.102	12.50	H
	3296	-68.67	-13	-55.67	-77.56	2.856	13.90	H
	1648	-52.49	-13	-39.49	-59.46	1.58	10.70	V
	2472	-44.59	-13	-31.59	-52.84	2.10	12.50	V
	3296	-68.32	-13	-55.32	-77.21	2.86	13.90	V
Middle	1672	-49.38	-13	-36.38	-56.35	1.58	10.70	H
	2512	-46.41	-13	-33.41	-54.66	2.102	12.50	H
	3344	-68.19	-13	-55.19	-77.08	2.856	13.90	H
	1672	-49.21	-13	-36.21	-56.18	1.58	10.70	V
	2512	-47.07	-13	-34.07	-55.32	2.10	12.50	V
	3344	-68.47	-13	-55.47	-77.36	2.86	13.90	V
Highest	1696	-53.75	-13	-40.75	-60.72	1.58	10.70	H
	2544	-42.68	-13	-29.68	-50.93	2.102	12.50	H
	3392	-67.97	-13	-54.97	-76.86	2.856	13.90	H
	1696	-46.55	-13	-33.55	-53.52	1.58	10.70	V
	2544	-46.40	-13	-33.40	-54.65	2.10	12.50	V
	3392	-68.48	-13	-55.48	-77.37	2.86	13.90	V

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

GSM1900 (GSM) / Ant.0								
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	3705	-67.35	-13	-54.35	-79.61	2.641	14.90	H
	5550	-60.40	-13	-47.40	-72.26	2.94	14.80	H
	7395	-58.93	-13	-45.93	-68.70	3.39	13.16	H
	3705	-67.21	-13	-54.21	-79.47	2.64	14.90	V
	5550	-60.62	-13	-47.62	-72.48	2.94	14.80	V
	7395	-59.21	-13	-46.21	-68.98	3.39	13.16	V
Middle	3765	-67.05	-13	-54.05	-79.31	2.641	14.90	H
	5640	-60.78	-13	-47.78	-72.64	2.94	14.80	H
	7515	-58.77	-13	-45.77	-68.54	3.39	13.16	H
	3765	-67.02	-13	-54.02	-79.28	2.64	14.90	V
	5640	-60.28	-13	-47.28	-72.14	2.94	14.80	V
	7515	-58.29	-13	-45.29	-68.06	3.39	13.16	V
Highest	3825	-66.91	-13	-53.91	-79.17	2.641	14.90	H
	5730	-60.57	-13	-47.57	-72.43	2.94	14.80	H
	7635	-57.53	-13	-44.53	-67.30	3.39	13.16	H
	3825	-67.03	-13	-54.03	-79.29	2.64	14.90	V
	5730	-60.44	-13	-47.44	-72.30	2.94	14.80	V
	7635	-57.58	-13	-44.58	-67.35	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) / Ant.0								
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	3705	-66.98	-13	-53.98	-79.24	2.641	14.90	H
	5550	-60.05	-13	-47.05	-71.91	2.94	14.80	H
	7395	-59.03	-13	-46.03	-68.80	3.39	13.16	H
	3705	-67.30	-13	-54.30	-79.56	2.64	14.90	V
	5550	-60.47	-13	-47.47	-72.33	2.94	14.80	V
	7395	-59.07	-13	-46.07	-68.84	3.39	13.16	V
Middle	3765	-66.41	-13	-53.41	-78.67	2.641	14.90	H
	5640	-60.56	-13	-47.56	-72.42	2.94	14.80	H
	7515	-58.54	-13	-45.54	-68.31	3.39	13.16	H
	3765	-66.66	-13	-53.66	-78.92	2.64	14.90	V
	5640	-60.74	-13	-47.74	-72.60	2.94	14.80	V
	7515	-58.96	-13	-45.96	-68.73	3.39	13.16	V
Highest	3825	-66.94	-13	-53.94	-79.20	2.64	14.90	H
	5730	-60.30	-13	-47.30	-72.16	2.94	14.80	H
	7635	-57.02	-13	-44.02	-66.79	3.39	13.16	H
	3825	-66.59	-13	-53.59	-78.85	2.64	14.90	V
	5730	-60.67	-13	-47.67	-72.53	2.94	14.80	V
	7635	-57.57	-13	-44.57	-67.34	3.39	13.16	V

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

WCDMA Band V(RMC 12.2Kbps) / Ant.0								
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)
Lowest	1656	-67.96	-13	-54.96	-74.93	1.58	10.70	H
	2480	-63.52	-13	-50.52	-71.77	2.102	12.50	H
	3304	-68.96	-13	-55.96	-77.85	2.856	13.90	H
	1656	-68.34	-13	-55.34	-75.31	1.58	10.70	V
	2480	-64.74	-13	-51.74	-72.99	2.10	12.50	V
	3304	-69.03	-13	-56.03	-77.92	2.86	13.90	V
Middle	1672	-71.87	-13	-58.87	-78.84	1.58	10.70	H
	2512	-69.04	-13	-56.04	-77.29	2.102	12.50	H
	3344	-69.01	-13	-56.01	-77.90	2.856	13.90	H
	1672	-68.70	-13	-55.70	-75.67	1.58	10.70	V
	2512	-67.90	-13	-54.90	-76.15	2.10	12.50	V
	3344	-68.98	-13	-55.98	-77.87	2.86	13.90	V
Highest	1696	-69.62	-13	-56.62	-76.59	1.58	10.70	H
	2536	-64.51	-13	-51.51	-72.76	2.102	12.50	H
	3384	-68.55	-13	-55.55	-77.44	2.856	13.90	H
	1696	-65.63	-13	-52.63	-72.60	1.58	10.70	V
	2536	-59.98	-13	-46.98	-68.23	2.10	12.50	V
	3384	-68.34	-13	-55.34	-77.23	2.86	13.90	V

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



WCDMA Band II(RMC 12.2Kbps) / Ant.0								
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	3705	-66.32	-13	-53.32	-78.58	2.64	14.90	H
	5550	-56.58	-13	-43.58	-68.44	2.94	14.80	H
	7410	-59.07	-13	-46.07	-68.84	3.39	13.16	H
	3705	-66.87	-13	-53.87	-79.13	2.64	14.90	V
	5550	-55.80	-13	-42.80	-67.66	2.94	14.80	V
	7410	-59.34	-13	-46.34	-69.11	3.39	13.16	V
Middle	3765	-66.60	-13	-53.60	-78.86	2.64	14.90	H
	5640	-58.50	-13	-45.50	-70.36	2.94	14.80	H
	7515	-58.30	-13	-45.30	-68.07	3.39	13.16	H
	3765	-66.77	-13	-53.77	-79.03	2.64	14.90	V
	5640	-58.60	-13	-45.60	-70.46	2.94	14.80	V
	7515	-58.32	-13	-45.32	-68.09	3.39	13.16	V
Highest	3810	-66.65	-13	-53.65	-78.91	2.641	14.90	H
	5715	-59.72	-13	-46.72	-71.58	2.94	14.80	H
	7635	-57.29	-13	-44.29	-67.06	3.39	13.16	H
	3810	-66.54	-13	-53.54	-78.80	2.64	14.90	V
	5715	-59.47	-13	-46.47	-71.33	2.94	14.80	V
	7635	-57.47	-13	-44.47	-67.24	3.39	13.16	V

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



WCDMA Band IV(RMC 12.2Kbps) / Ant.0								
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	3420	-63.71	-13	-50.71	-74.45	2.604	13.34	H
	5130	-37.34	-13	-24.34	-47.85	3.011	13.52	H
	6855	-58.54	-13	-45.54	-68.74	3.271	13.47	H
	8565	-44.67	-13	-31.67	-51.64	5.527	12.5	H
	3420	-63.80	-13	-50.80	-74.54	2.604	13.34	V
	5130	-37.15	-13	-24.15	-47.66	3.011	13.52	V
	6855	-59.09	-13	-46.09	-69.29	3.271	13.47	V
	8565	-45.82	-13	-32.82	-52.79	5.527	12.50	V
Middle	3465	-64.65	-13	-51.65	-75.39	2.604	13.34	H
	5190	-41.96	-13	-28.96	-52.47	3.011	13.52	H
	6930	-58.41	-13	-45.41	-68.61	3.271	13.47	H
	8670	-45.76	-13	-32.76	-52.73	5.527	12.5	H
	3465	-64.13	-13	-51.13	-74.87	2.604	13.34	V
	5190	-42.58	-13	-29.58	-53.09	3.011	13.52	V
	6930	-58.63	-13	-45.63	-68.83	3.271	13.47	V
	8670	-47.56	-13	-34.56	-54.53	5.527	12.50	V
Highest	3510	-65.36	-13	-52.36	-76.10	2.604	13.34	H
	5250	-45.67	-13	-32.67	-56.18	3.011	13.52	H
	7005	-58.20	-13	-45.20	-68.40	3.271	13.47	H
	8760	-46.75	-13	-33.75	-53.72	5.527	12.5	H
	3510	-65.15	-13	-52.15	-75.89	2.604	13.34	V
	5250	-45.78	-13	-32.78	-56.29	3.011	13.52	V
	7005	-58.26	-13	-45.26	-68.46	3.271	13.47	V
	8760	-48.13	-13	-35.13	-55.10	5.527	12.50	V

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