



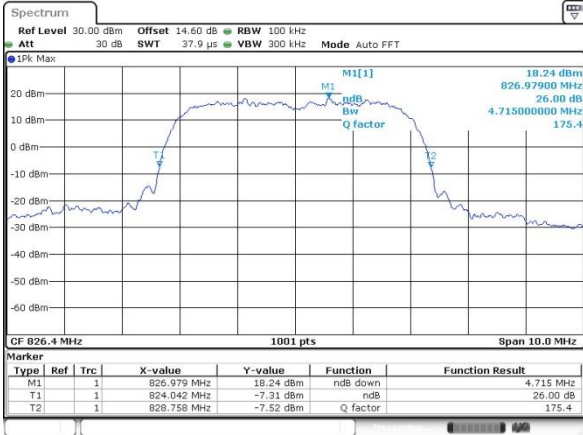
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.715	4.715	4.715
Middle CH	4.705	4.715	4.715
Highest CH	4.715	4.715	4.725



WCDMA Band V (RMC 12.2Kbps)

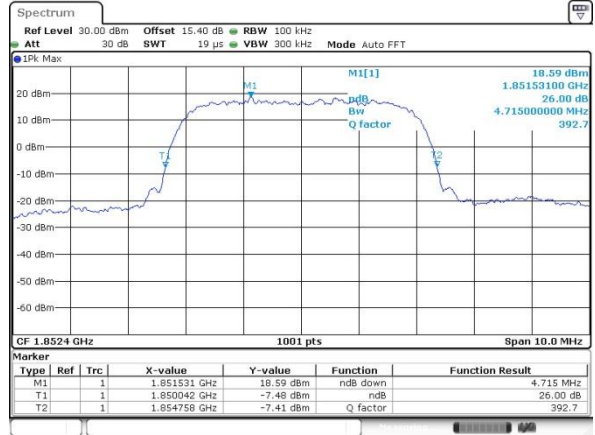
Lowest Channel



Date: 18.DEC.2020 10:45:25

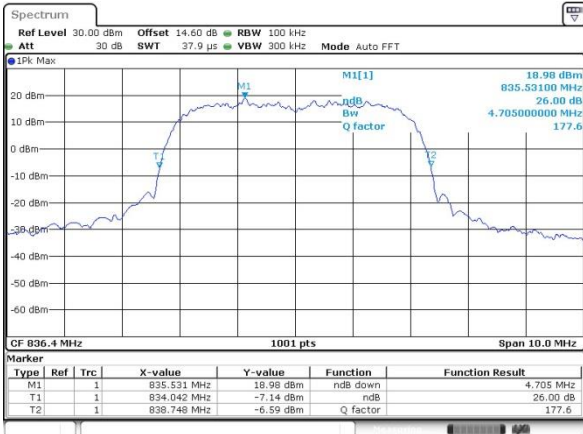
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



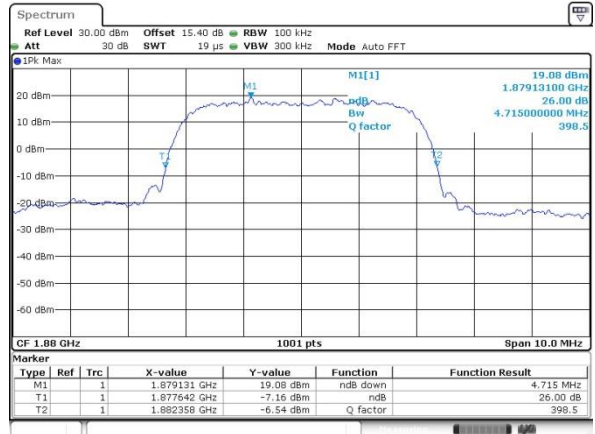
Date: 13.DEC.2020 16:27:44

Middle Channel



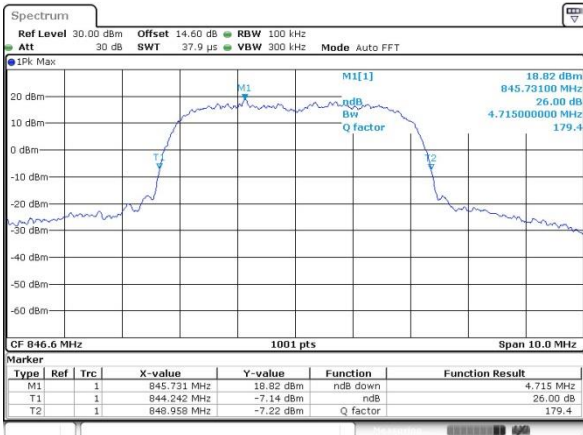
Date: 18.DEC.2020 10:46:06

Middle Channel



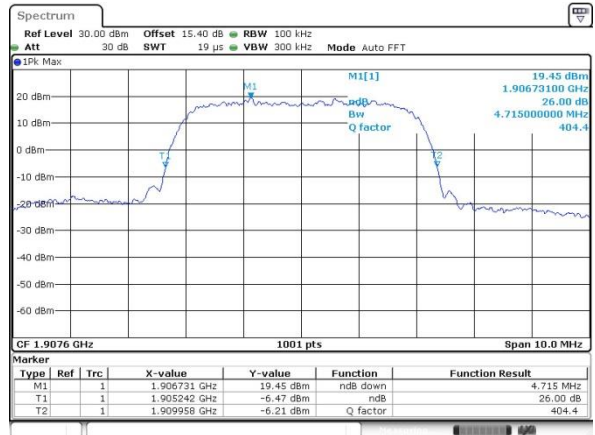
Date: 13.DEC.2020 16:28:25

Highest Channel

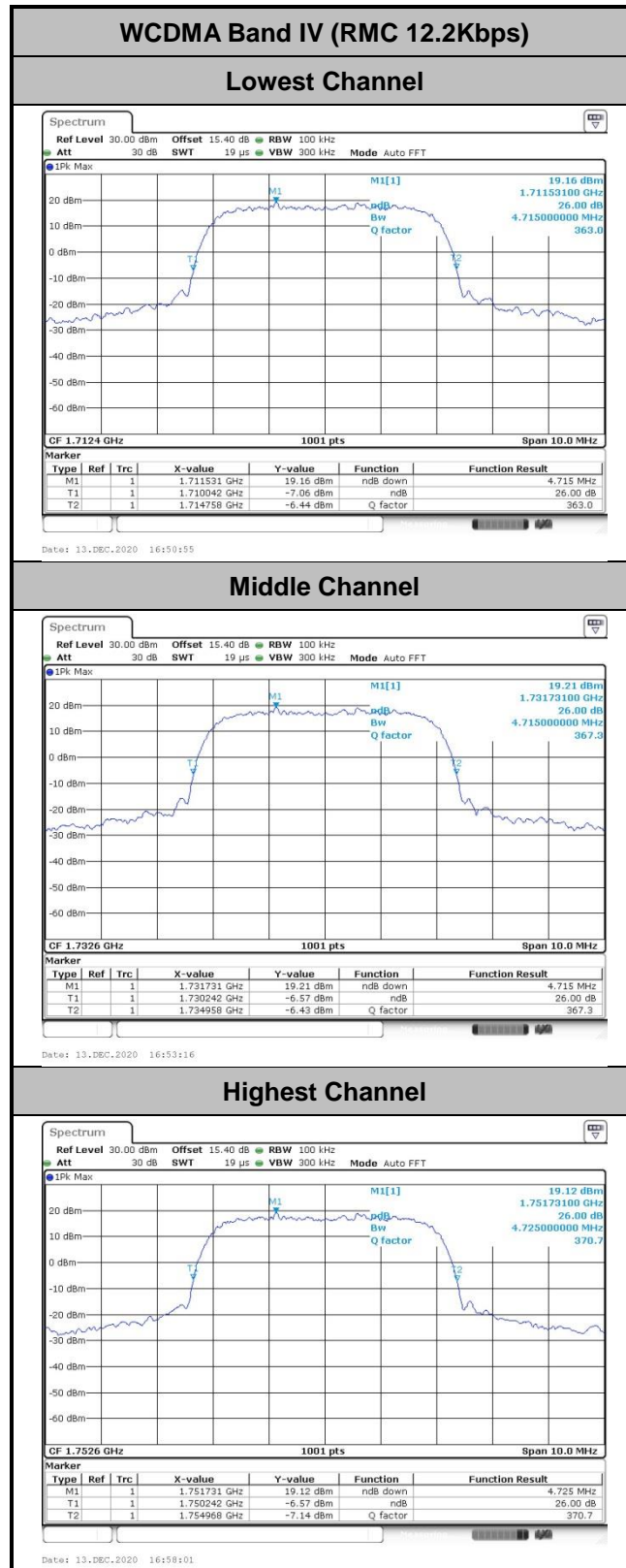


Date: 18.DEC.2020 10:46:52

Highest Channel



Date: 13.DEC.2020 16:29:20





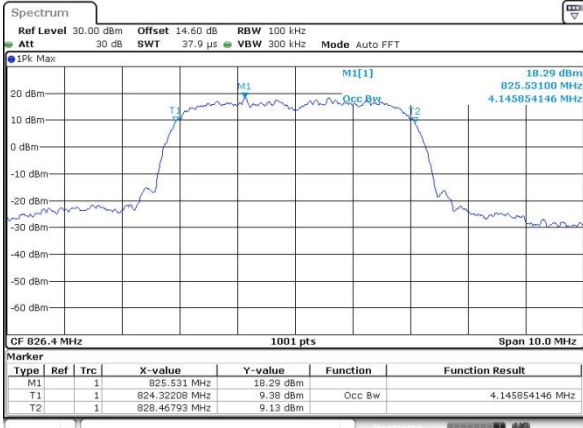
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

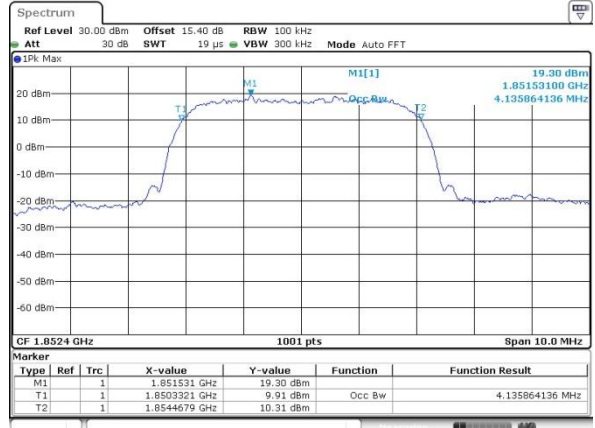
Lowest Channel



Date: 18.DEC.2020 10:55:51

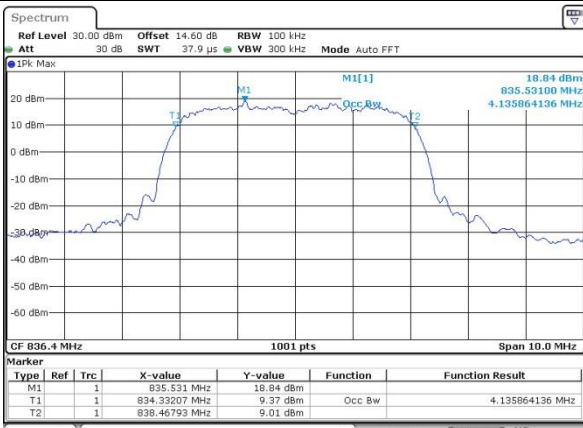
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



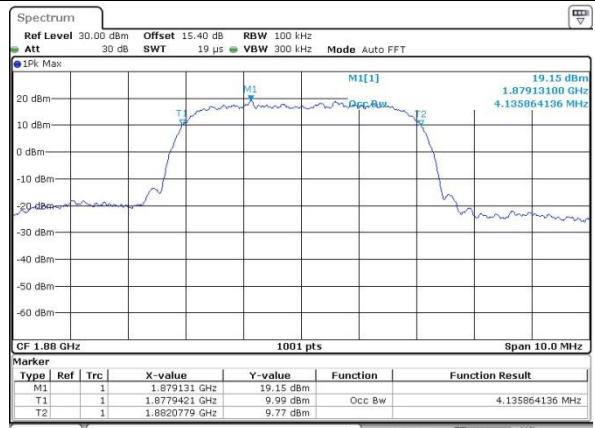
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Middle Channel



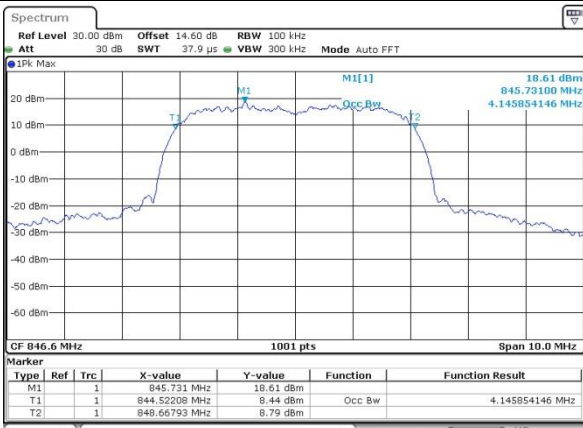
Date: 18.DEC.2020 10:56:47

Middle Channel



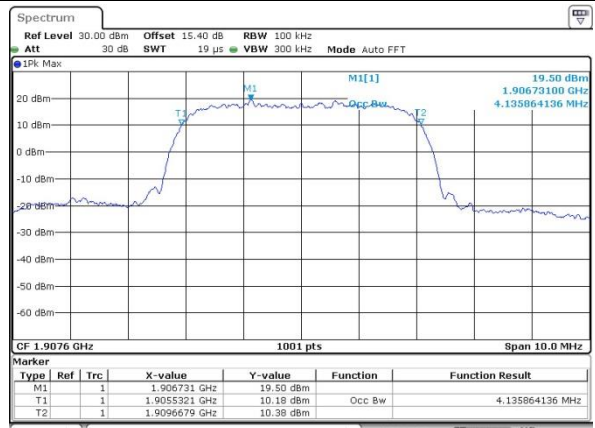
Date: 13.DEC.2020 16:33:19

Highest Channel

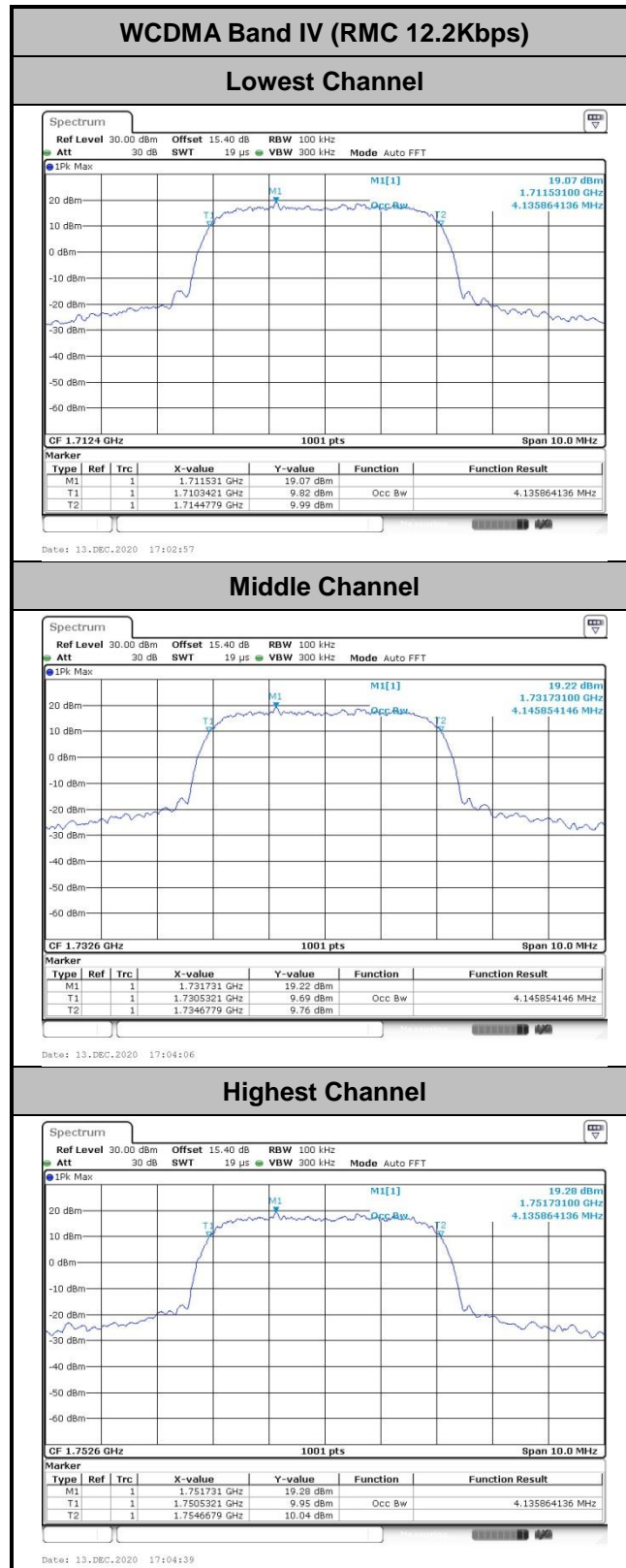


Date: 18.DEC.2020 10:57:35

Highest Channel

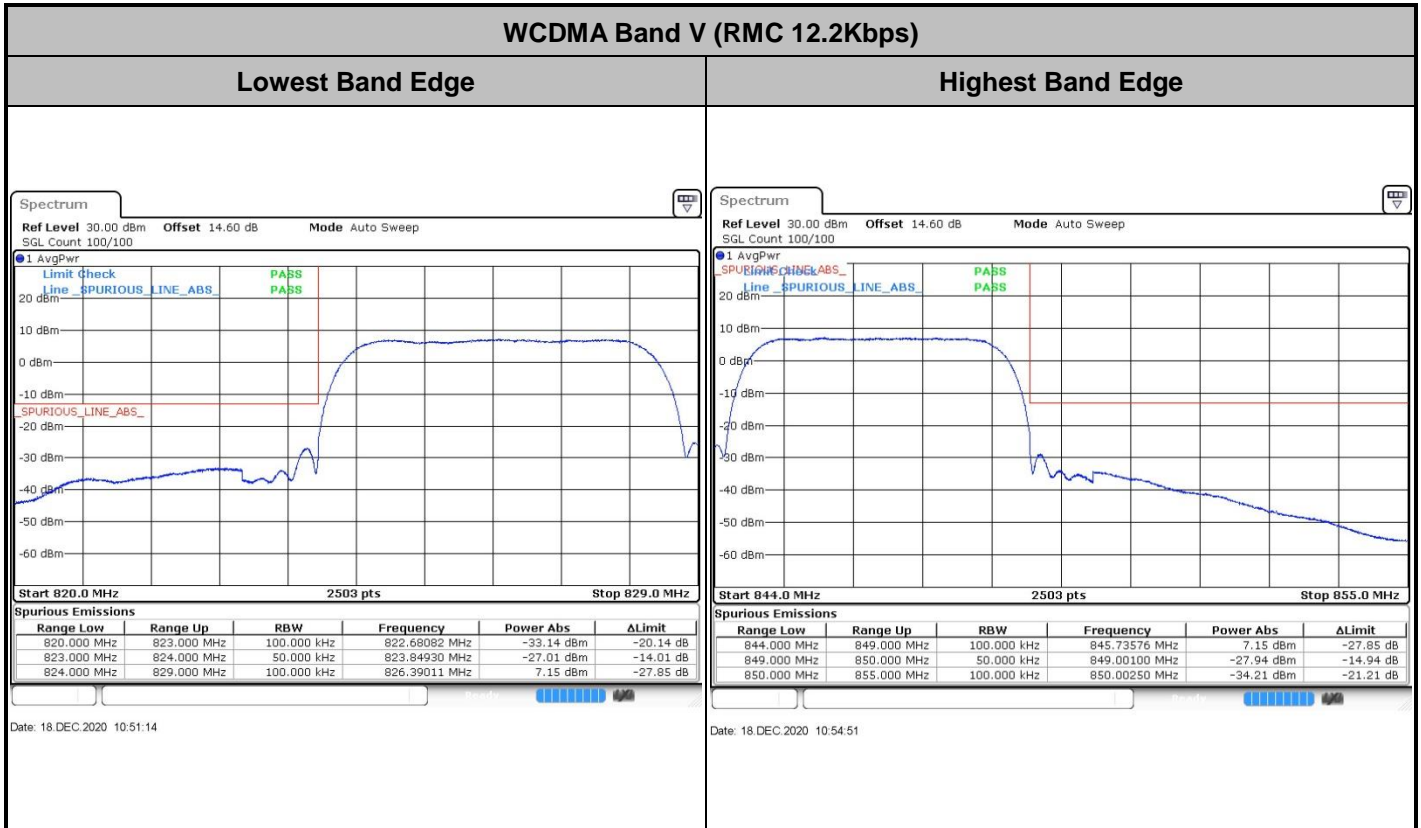


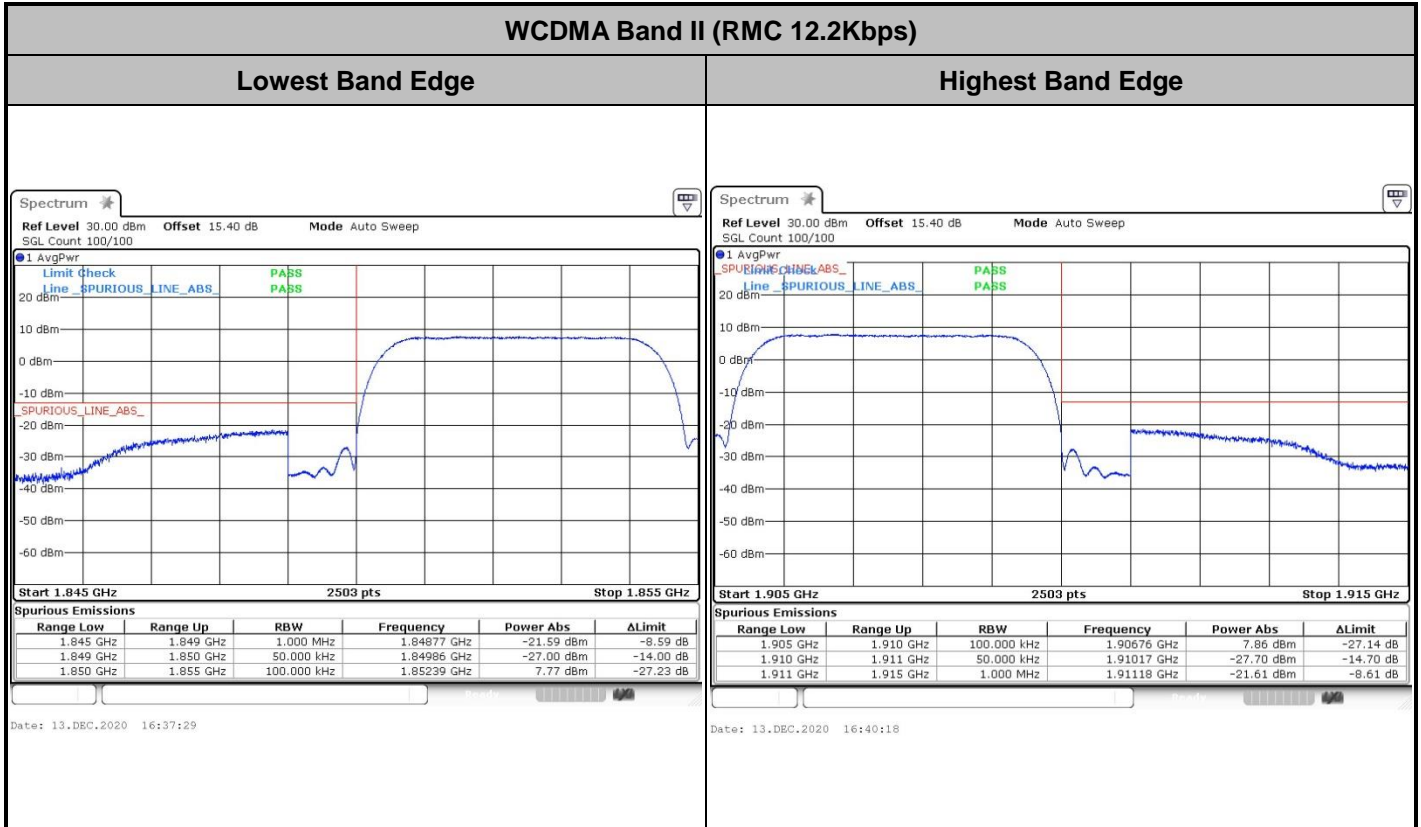
Date: 13.DEC.2020 16:33:55

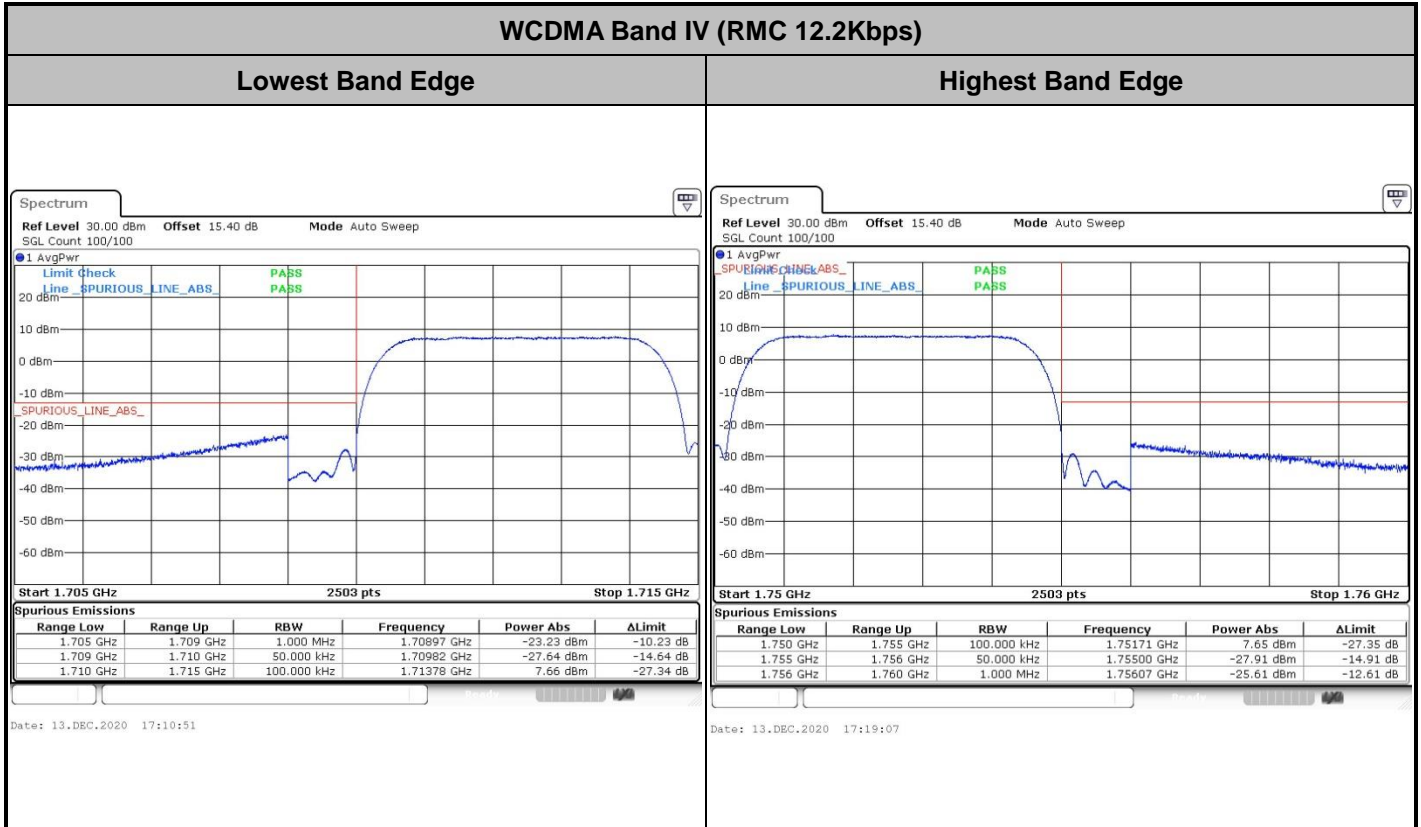




Conducted Band Edge

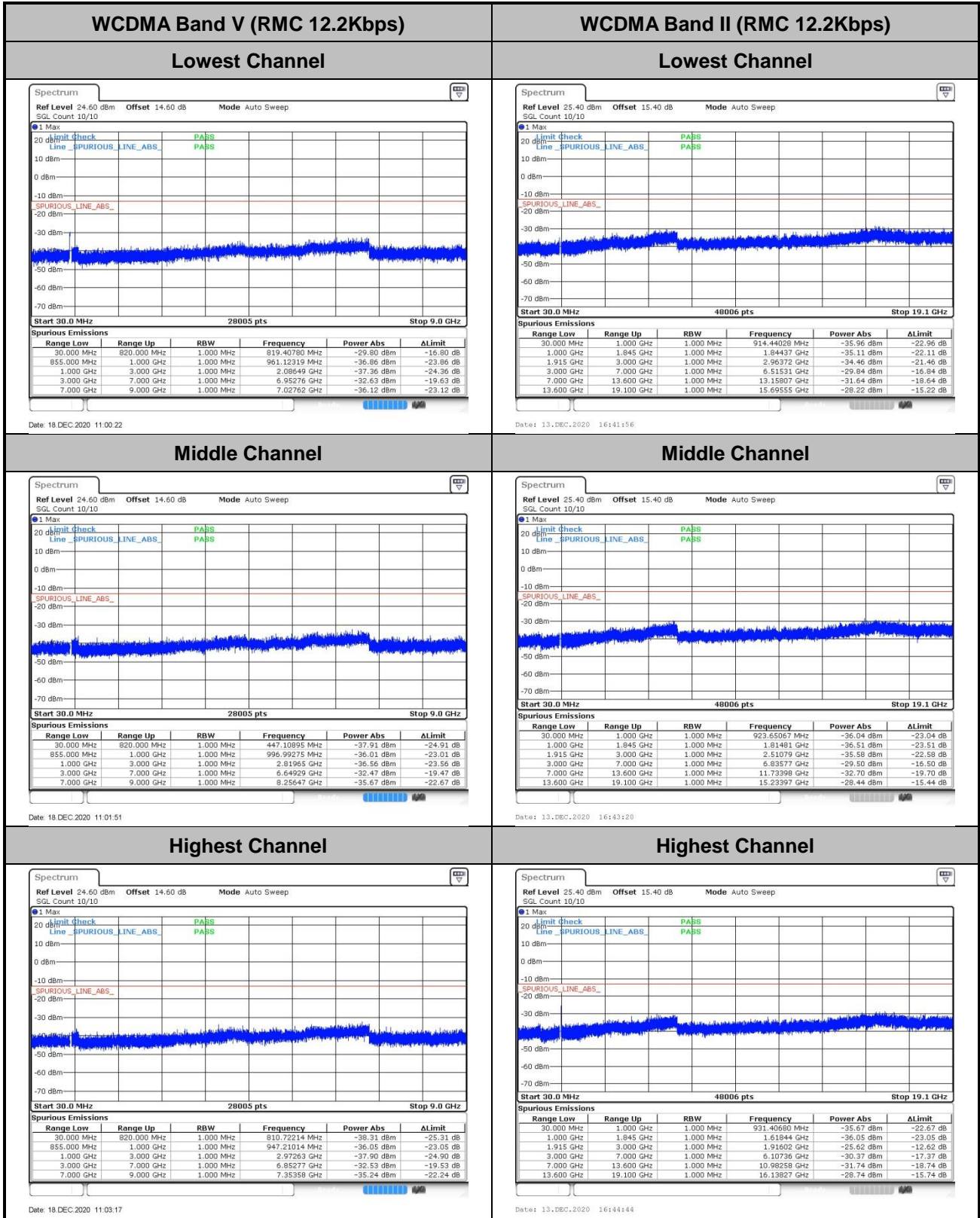


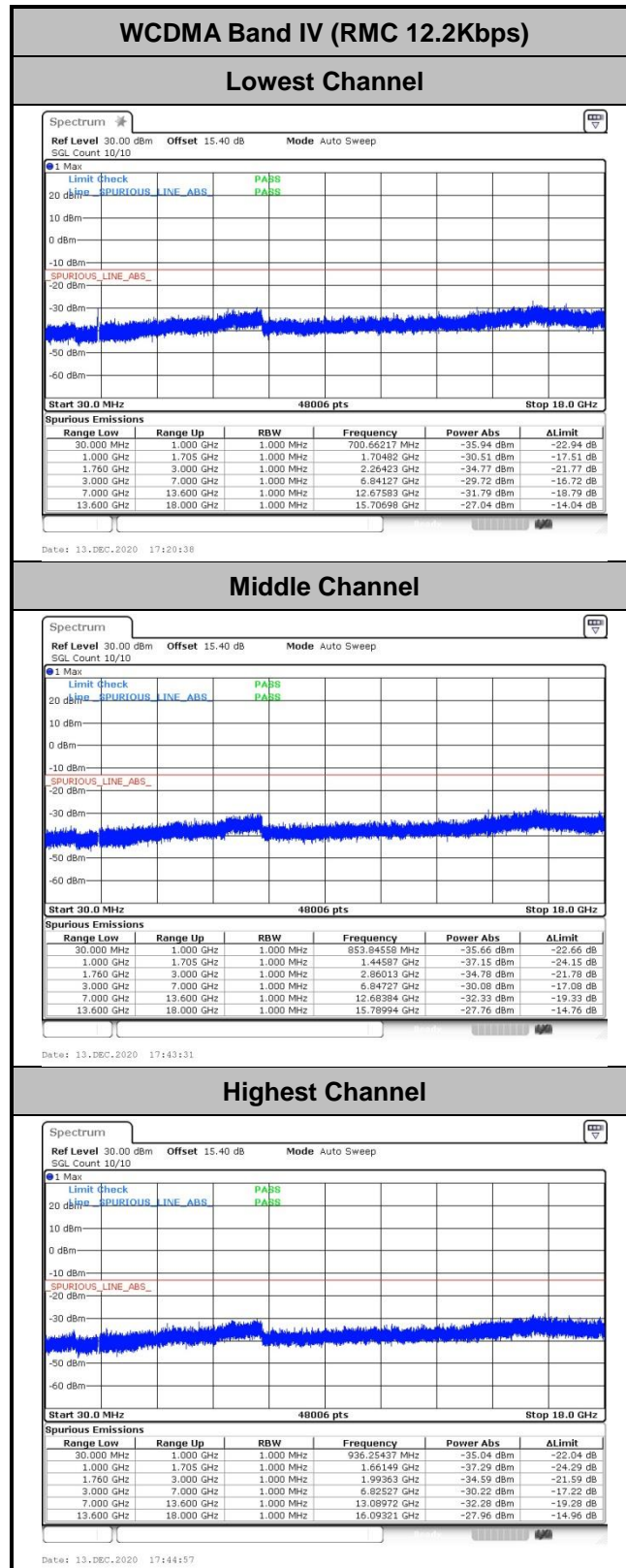






Conducted Spurious Emission







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	0.0056	PASS
40	Normal Voltage	0.0375	
30	Normal Voltage	0.0481	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0063	
0	Normal Voltage	0.0346	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0324	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0062	

Note: Normal Voltage = 7.74V ; Battery End Point (BEP) =7.3V. ; Maximum Voltage =8.7V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0163	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0139	
-10	Normal Voltage	0.0247	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0161	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 7.74V ; Battery End Point (BEP) =7.3V. ; Maximum Voltage =8.7V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0042	PASS
40	Normal Voltage	0.0146	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0112	

Note:

1. Normal Voltage = 7.74V ; Battery End Point (BEP) =7.3V. ; Maximum Voltage =8.7V
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

GSM850 (GSM)								
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	-34.44	-13	-21.44	-41.41	1.58	10.70	H
	2472	-49.14	-13	-36.14	-57.39	2.102	12.50	H
	3294	-59.76	-13	-46.76	-68.65	2.856	13.90	H
	1648	-39.26	-13	-26.26	-46.23	1.58	10.70	V
	2472	-45.16	-13	-32.16	-53.41	2.10	12.50	V
	3294	-59.27	-13	-46.27	-68.16	2.86	13.90	V
Middle	1672	-31.17	-13	-18.17	-38.14	1.58	10.70	H
	2510	-44.20	-13	-31.20	-52.45	2.102	12.50	H
	3342	-53.12	-13	-40.12	-62.01	2.856	13.90	H
	4182	-58.82	-13	-45.82	-67.28	2.689	13.30	H
	1672	-33.61	-13	-20.61	-40.58	1.58	10.70	V
	2510	-39.64	-13	-26.64	-47.89	2.10	12.50	V
	3348	-51.12	-13	-38.12	-60.01	2.86	13.90	V
	4182	-60.76	-13	-47.76	-69.22	2.69	13.30	V
Highest	1698	-31.17	-13	-18.17	-38.14	1.58	10.70	H
	2546	-46.94	-13	-33.94	-55.19	2.102	12.50	H
	3396	-53.53	-13	-40.53	-62.42	2.856	13.90	H
	4242	-59.02	-13	-46.02	-67.48	2.689	13.30	H
	1698	-31.88	-13	-18.88	-38.85	1.58	10.70	V
	2546	-44.21	-13	-31.21	-52.46	2.10	12.50	V
	3396	-55.67	-13	-42.67	-64.56	2.86	13.90	V
	4242	-60.50	-13	-47.50	-68.96	2.69	13.30	V

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



GSM850 (EDGE class 8)								
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	-34.71	-13	-21.71	-41.68	1.58	10.70	H
	2472	-52.97	-13	-39.97	-61.22	2.102	12.50	H
	3294	-57.24	-13	-44.24	-66.13	2.856	13.90	H
	1648	-39.86	-13	-26.86	-46.83	1.58	10.70	V
	2472	-44.63	-13	-31.63	-52.88	2.10	12.50	V
	3294	-55.81	-13	-42.81	-64.70	2.86	13.90	V
Middle	1672	-30.80	-13	-17.80	-37.77	1.58	10.70	H
	2508	-41.46	-13	-28.46	-49.71	2.102	12.50	H
	3348	-53.08	-13	-40.08	-61.97	2.856	13.90	H
	1672	-35.83	-13	-22.83	-42.80	1.58	10.70	V
	2510	-43.00	-13	-30.00	-51.25	2.10	12.50	V
	3348	-51.17	-13	-38.17	-60.06	2.86	13.90	V
Highest	1696	-30.20	-13	-17.20	-37.17	1.58	10.70	H
	2546	-47.72	-13	-34.72	-55.97	2.102	12.50	H
	3396	-51.37	-13	-38.37	-60.26	2.856	13.90	H
	4242	-58.20	-13	-45.20	-66.66	2.689	13.30	H
	1698	-33.88	-13	-20.88	-40.85	1.58	10.70	V
	2546	-47.33	-13	-34.33	-55.58	2.10	12.50	V
	3396	-51.33	-13	-38.33	-60.22	2.86	13.90	V
	4242	-60.29	-13	-47.29	-68.75	2.69	13.30	V

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



GSM1900 (GSM)								
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	3699	-54.63	-13	-41.63	-66.89	2.641	14.90	H
	5550	-55.19	-13	-42.19	-67.05	2.94	14.80	H
	7404	-52.99	-13	-39.99	-62.76	3.39	13.16	H
	3702	-52.69	-13	-39.69	-64.95	2.64	14.90	V
	5550	-54.68	-13	-41.68	-66.54	2.94	14.80	V
	7404	-53.11	-13	-40.11	-62.88	3.39	13.16	V
Middle	3759	-55.95	-13	-42.95	-68.21	2.641	14.90	H
	5640	-54.67	-13	-41.67	-66.53	2.94	14.80	H
	7524	-53.00	-13	-40.00	-62.77	3.39	13.16	H
	3759	-53.77	-13	-40.77	-66.03	2.64	14.90	V
	5640	-55.19	-13	-42.19	-67.05	2.94	14.80	V
	7524	-52.17	-13	-39.17	-61.94	3.39	13.16	V
Highest	3819	-54.55	-13	-41.55	-66.81	2.641	14.90	H
	5730	-55.18	-13	-42.18	-67.04	2.94	14.80	H
	7644	-52.43	-13	-39.43	-62.20	3.39	13.16	H
	3819	-53.79	-13	-40.79	-66.05	2.64	14.90	V
	5730	-55.45	-13	-42.45	-67.31	2.94	14.80	V
	7644	-52.14	-13	-39.14	-61.91	3.39	13.16	V

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



GSM1900 (EDGE class 8)								
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	3699	-55.57	-13	-42.57	-67.83	2.641	14.90	H
	5550	-55.96	-13	-42.96	-67.82	2.94	14.80	H
	7404	-52.81	-13	-39.81	-62.58	3.39	13.16	H
	3699	-50.78	-13	-37.78	-63.04	2.64	14.90	V
	5550	-55.10	-13	-42.10	-66.96	2.94	14.80	V
	7404	-53.24	-13	-40.24	-63.01	3.39	13.16	V
Middle	3759	-57.27	-13	-44.27	-69.53	2.641	14.90	H
	5640	-54.58	-13	-41.58	-66.44	2.94	14.80	H
	7524	-52.83	-13	-39.83	-62.60	3.39	13.16	H
	3759	-52.62	-13	-39.62	-64.88	2.64	14.90	V
	5640	-55.16	-13	-42.16	-67.02	2.94	14.80	V
	7524	-52.50	-13	-39.50	-62.27	3.39	13.16	V
Highest	3819	-56.14	-13	-43.14	-68.40	2.64	14.90	H
	5730	-55.08	-13	-42.08	-66.94	2.94	14.80	H
	7644	-52.23	-13	-39.23	-62.00	3.39	13.16	H
	3819	-55.91	-13	-42.91	-68.17	2.64	14.90	V
	5730	-55.47	-13	-42.47	-67.33	2.94	14.80	V
	7644	-52.30	-13	-39.30	-62.07	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)								
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	1654	-60.20	-13	-47.20	-67.17	1.58	10.70	H
	2480	-61.36	-13	-48.36	-69.61	2.102	12.50	H
	3306	-58.77	-13	-45.77	-67.66	2.856	13.90	H
	1654	-59.32	-13	-46.32	-66.29	1.58	10.70	V
	2480	-59.23	-13	-46.23	-67.48	2.10	12.50	V
	3306	-60.23	-13	-47.23	-69.12	2.86	13.90	V
Middle	1672	-59.74	-13	-46.74	-66.71	1.58	10.70	H
	2506	-54.46	-13	-41.46	-62.71	2.102	12.50	H
	3342	-54.87	-13	-41.87	-63.76	2.856	13.90	H
	4182	-60.75	-13	-47.75	-69.21	2.689	13.30	H
	5010	-53.02	-13	-40.02	-60.78	3.093	13.00	H
	1674	-61.16	-13	-48.16	-68.13	1.58	10.70	V
	2506	-56.10	-13	-43.10	-64.35	2.10	12.50	V
	3345.6	-59.89	-13	-46.89	-68.78	2.86	13.90	V
	4182	-60.13	-13	-47.13	-68.59	2.69	13.30	V
	5010	-55.09	-13	-42.09	-62.85	3.09	13.00	V
Highest	1692	-55.03	-13	-42.03	-62.00	1.58	10.70	H
	2540	-56.80	-13	-43.80	-65.05	2.102	12.50	H
	3384	-54.26	-13	-41.26	-63.15	2.856	13.90	H
	4230	-58.37	-13	-45.37	-66.83	2.689	13.30	H
	5082	-53.76	-13	-40.76	-61.52	3.093	13.00	H
	1692	-57.75	-13	-44.75	-64.72	1.58	10.70	V
	2540	-57.15	-13	-44.15	-65.40	2.10	12.50	V
	3384	-58.55	-13	-45.55	-67.44	2.86	13.90	V
	4230	-57.08	-13	-44.08	-65.54	2.69	13.30	V
	5082	-55.56	-13	-42.56	-63.32	3.09	13.00	V

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



WCDMA Band II(RMC 12.2Kbps)								
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	-56.38	-13	-43.38	-68.64	2.64	14.90	H
	5556	-54.47	-13	-41.47	-66.33	2.94	14.80	H
	7404	-53.37	-13	-40.37	-63.14	3.39	13.16	H
	3705	-57.08	-13	-44.08	-69.34	2.64	14.90	V
	5556	-54.36	-13	-41.36	-66.22	2.94	14.80	V
	7404	-52.43	-13	-39.43	-62.20	3.39	13.16	V
Middle	3759	-55.76	-13	-42.76	-68.02	2.64	14.90	H
	5640	-55.09	-13	-42.09	-66.95	2.94	14.80	H
	7524	-51.35	-13	-38.35	-61.12	3.39	13.16	H
	3759	-56.43	-13	-43.43	-68.69	2.64	14.90	V
	5640	-55.67	-13	-42.67	-67.53	2.94	14.80	V
	7524	-51.82	-13	-38.82	-61.59	3.39	13.16	V
Highest	3816	-55.69	-13	-42.69	-67.95	2.641	14.90	H
	5724	-55.43	-13	-42.43	-67.29	2.94	14.80	H
	7632	-51.97	-13	-38.97	-61.74	3.39	13.16	H
	3816	-55.69	-13	-42.69	-67.95	2.64	14.90	V
	5724	-55.66	-13	-42.66	-67.52	2.94	14.80	V
	7632	-51.81	-13	-38.81	-61.58	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)								
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	3426	-49.86	-13	-36.86	-60.60	2.604	13.34	H
	5136	-55.34	-13	-42.34	-65.85	3.011	13.52	H
	6852	-54.72	-13	-41.72	-64.92	3.271	13.47	H
	3426	-54.94	-13	-41.94	-65.68	2.604	13.34	V
	5136	-55.28	-13	-42.28	-65.79	3.011	13.52	V
	6852	-54.43	-13	-41.43	-64.63	3.271	13.47	V
Middle	3468	-47.45	-13	-34.45	-58.19	2.604	13.34	H
	5199	-54.92	-13	-41.92	-65.43	3.011	13.52	H
	6936	-54.97	-13	-41.97	-65.17	3.271	13.47	H
	3468	-51.95	-13	-38.95	-62.69	2.604	13.34	V
	5199	-55.20	-13	-42.20	-65.71	3.011	13.52	V
	6936	-54.68	-13	-41.68	-64.88	3.271	13.47	V
Highest	3504	-48.41	-13	-35.41	-59.15	2.604	13.34	H
	5259	-55.42	-13	-42.42	-65.93	3.011	13.52	H
	7008	-54.20	-13	-41.20	-64.40	3.271	13.47	H
	3507	-50.18	-13	-37.18	-60.92	2.604	13.34	V
	5259	-55.45	-13	-42.45	-65.96	3.011	13.52	V
	7008	-54.21	-13	-41.21	-64.41	3.271	13.47	V

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