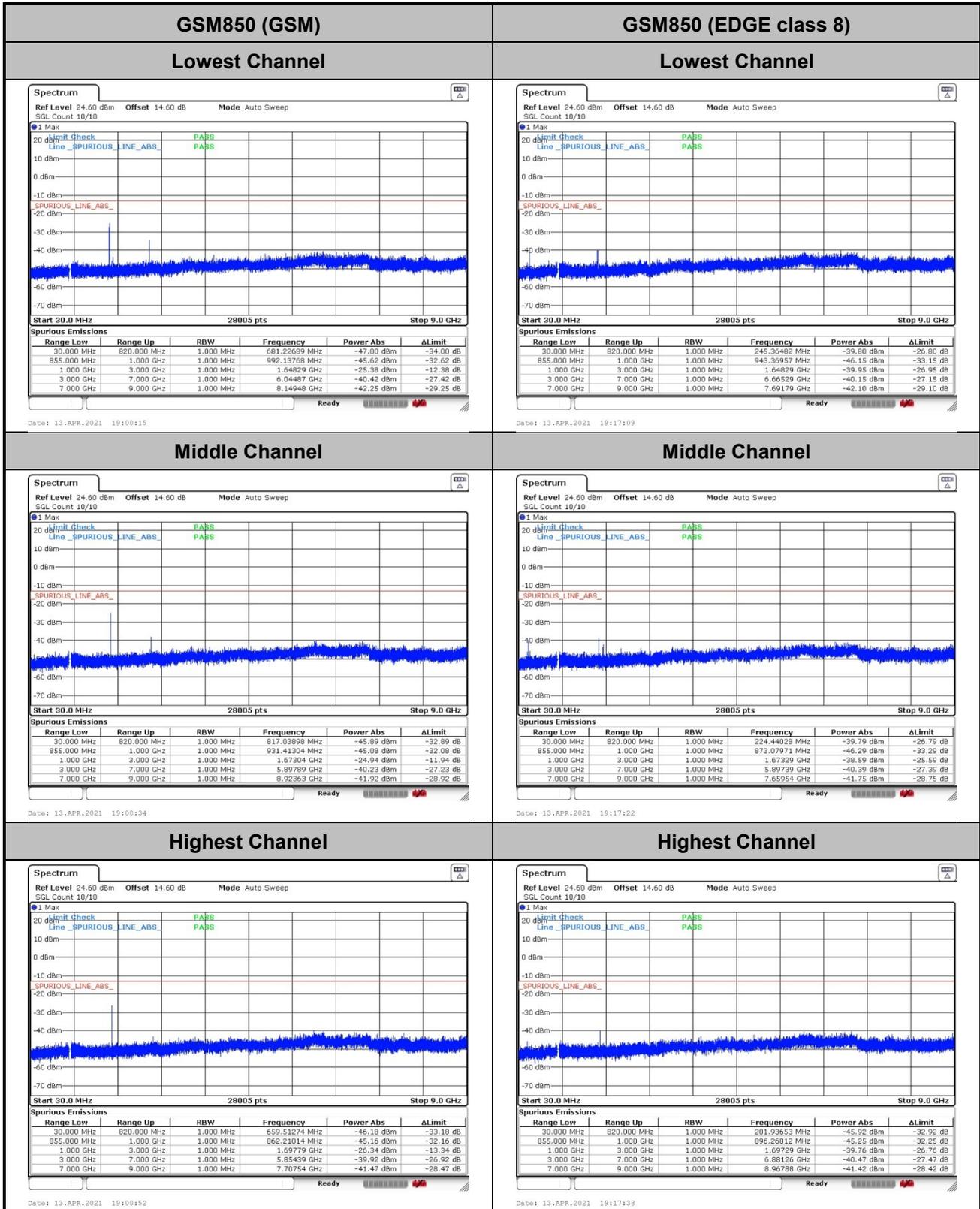




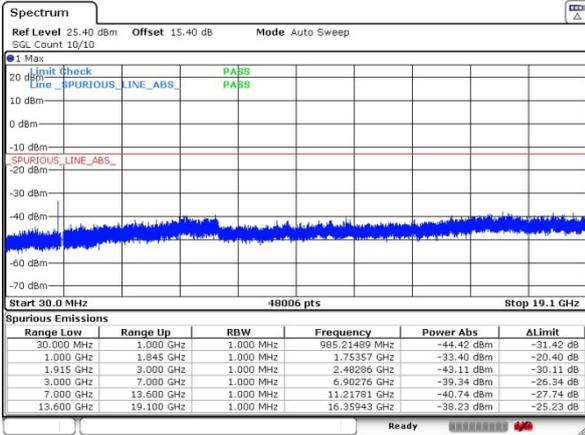
Conducted Spurious Emission





GSM1900 (GSM)

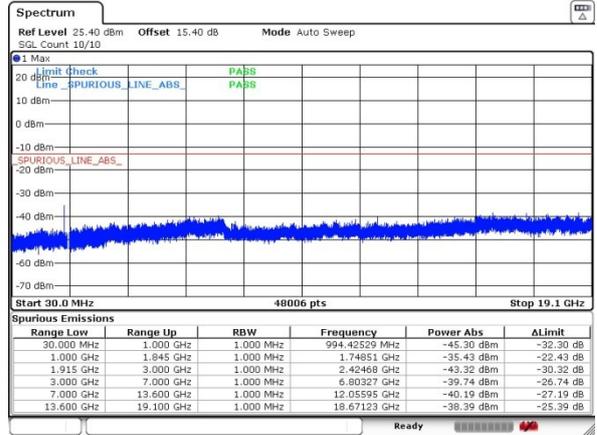
Lowest Channel



Date: 13.APR.2021 19:48:43

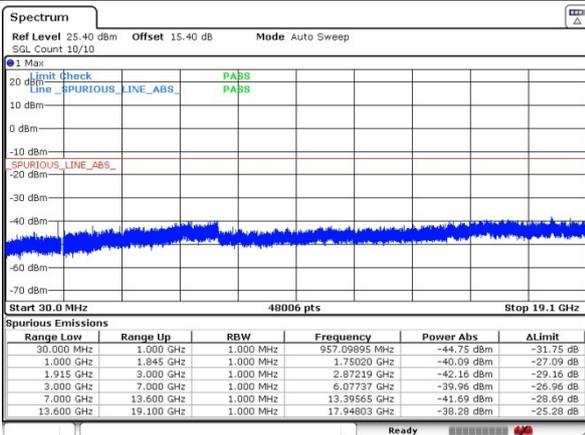
GSM1900 (EDGE class 8)

Lowest Channel



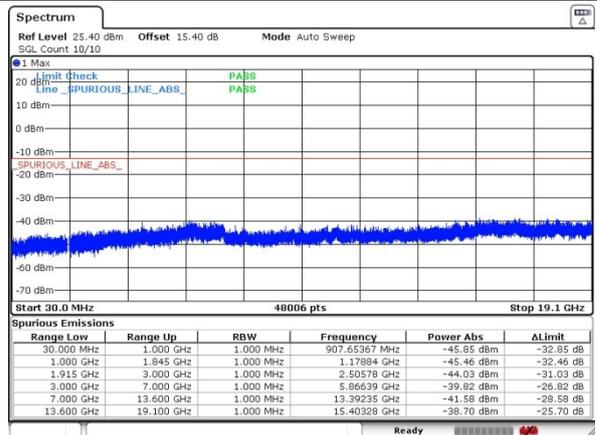
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Middle Channel



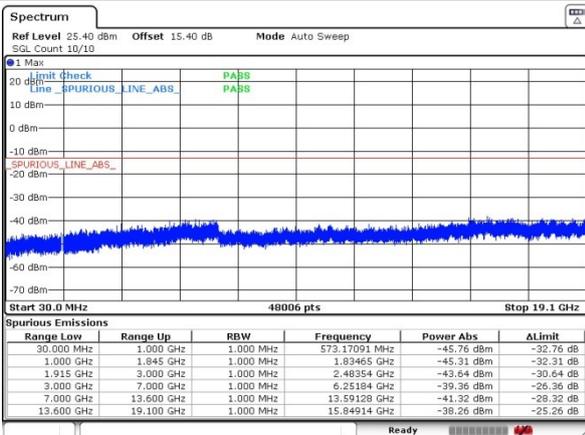
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Middle Channel



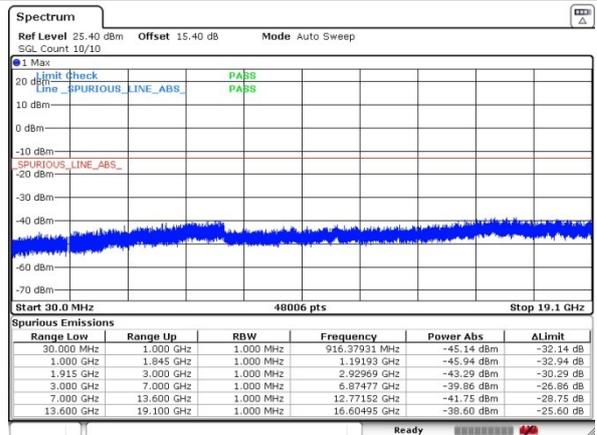
Date: 13.APR.2021 19:59:06

Highest Channel



Date: 13.APR.2021 19:49:11

Highest Channel



Date: 13.APR.2021 19:59:20



Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit
		Deviation (ppm)		2.5ppm
Temperature (°C)	Voltage (Volt)			Result
50	Normal Voltage	0.0111	0.0211	PASS
40	Normal Voltage	0.0031	0.0168	
30	Normal Voltage	0.0126	0.0084	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0132	0.0123	
0	Normal Voltage	0.0075	0.0147	
-10	Normal Voltage	0.0162	0.0267	
-20	Normal Voltage	0.0126	0.0069	
-30	Normal Voltage	0.0144	0.0123	
20	Maximum Voltage	0.0095	0.0232	
20	Normal Voltage	0.0122	0.0211	
20	Battery End Point	0.0133	0.0111	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit
		Deviation (ppm)		Note 2.
Temperature (°C)	Voltage (Volt)			Result
50	Normal Voltage	0.0054	0.0131	PASS
40	Normal Voltage	0.0016	0.0146	
30	Normal Voltage	0.0123	0.0027	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0136	0.0128	
0	Normal Voltage	0.0149	0.0141	
-10	Normal Voltage	0.0084	0.0136	
-20	Normal Voltage	0.0032	0.0134	
-30	Normal Voltage	0.0164	0.0095	
20	Maximum Voltage	0.0013	0.0022	
20	Normal Voltage	0.0034	0.0144	
20	Battery End Point	0.0026	0.0018	

Note:

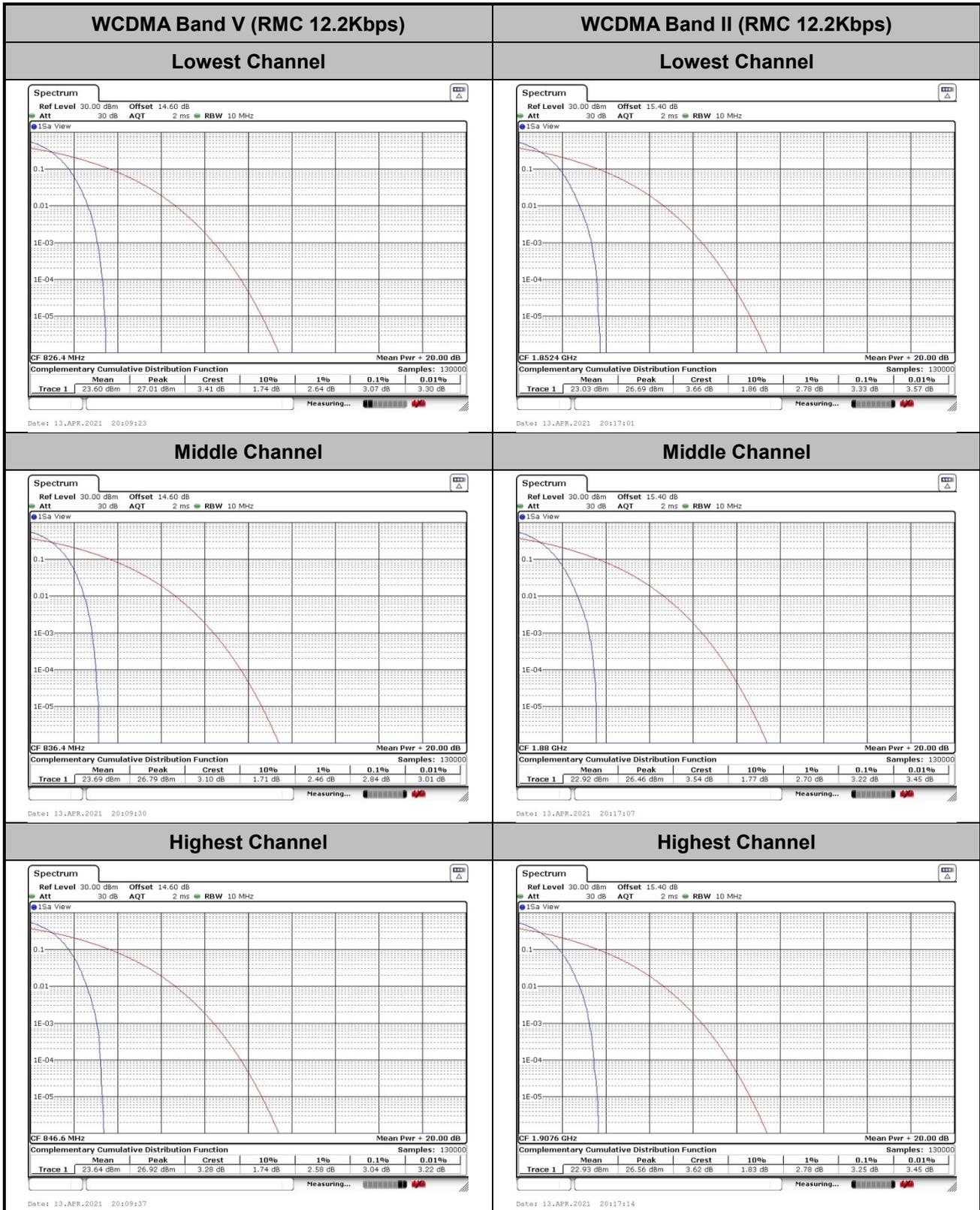
1. Normal Voltage = 4.2V. ; Battery End Point (BEP) =3.8V. ; Maximum Voltage =4.43 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.07	3.33	PASS
Middle CH	2.84	3.22	
Highest CH	3.04	3.25	





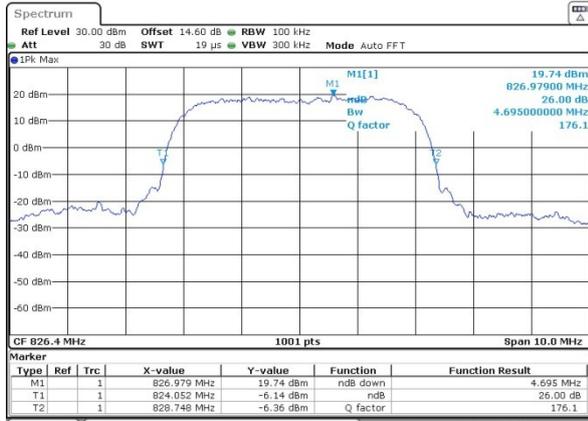
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.695	4.685
Middle CH	4.705	4.685
Highest CH	4.685	4.685



WCDMA Band V (RMC 12.2Kbps)

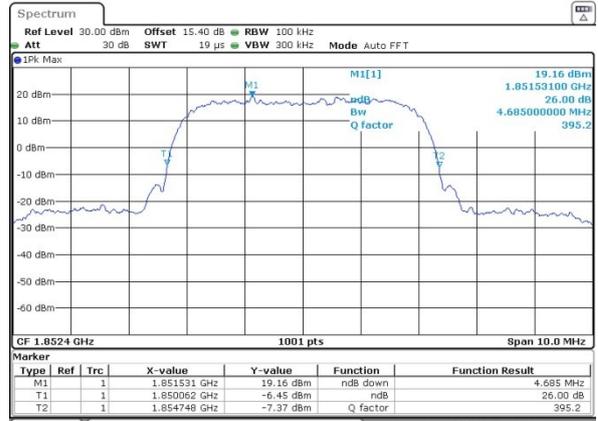
Lowest Channel



Date: 13.APR.2021 20:02:39

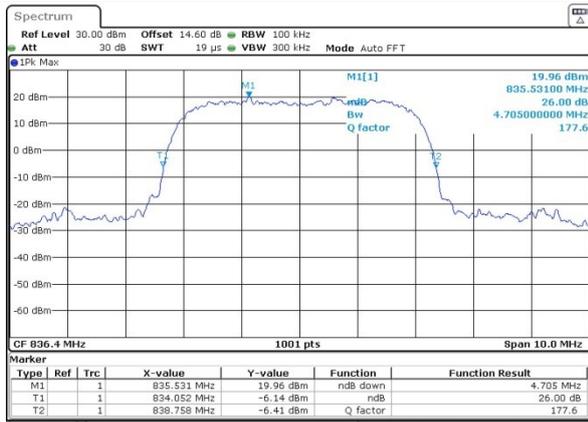
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



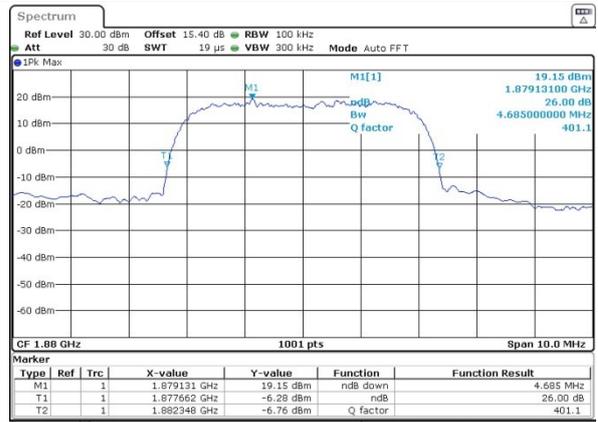
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Middle Channel



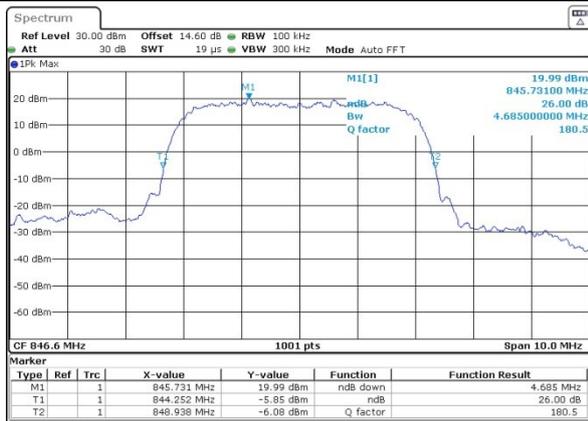
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Middle Channel



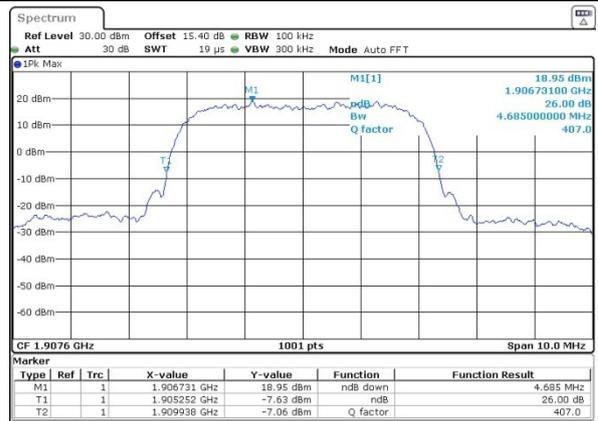
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Highest Channel



Date: 13.APR.2021 20:03:17

Highest Channel



Date: 13.APR.2021 20:11:39



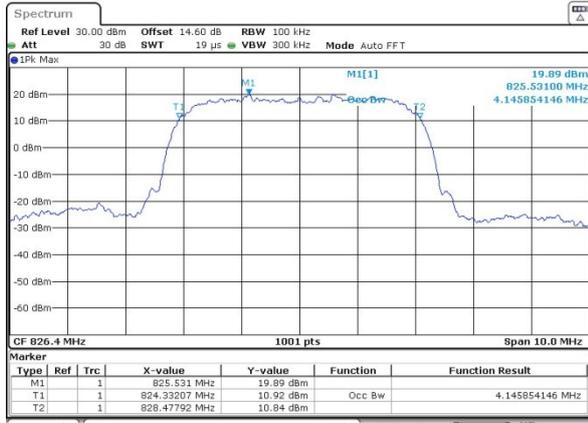
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.146	4.156
Middle CH	4.136	4.156
Highest CH	4.146	4.136



WCDMA Band V (RMC 12.2Kbps)

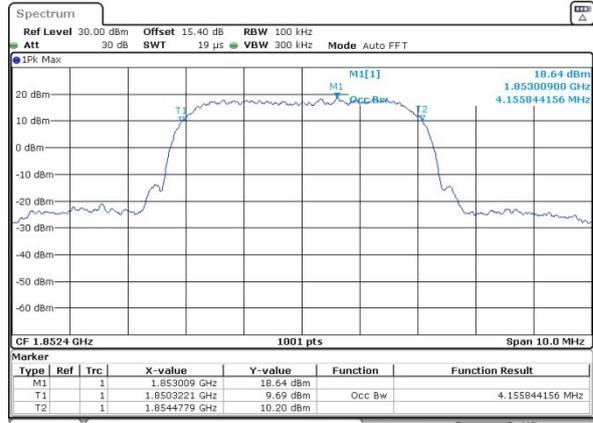
Lowest Channel



Date: 13.APR.2021 20:05:11

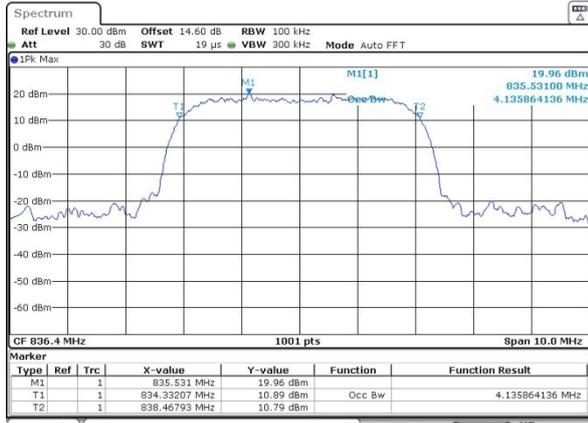
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



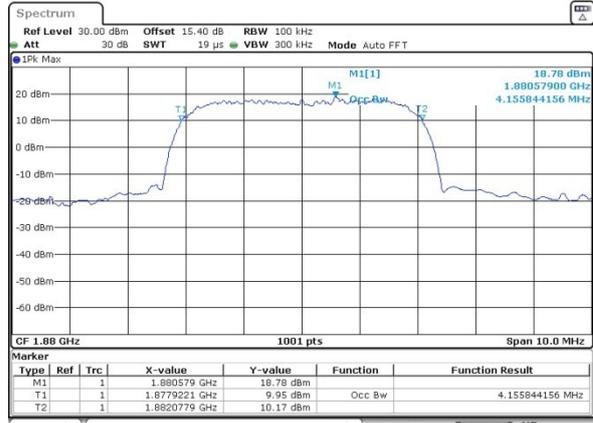
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Middle Channel



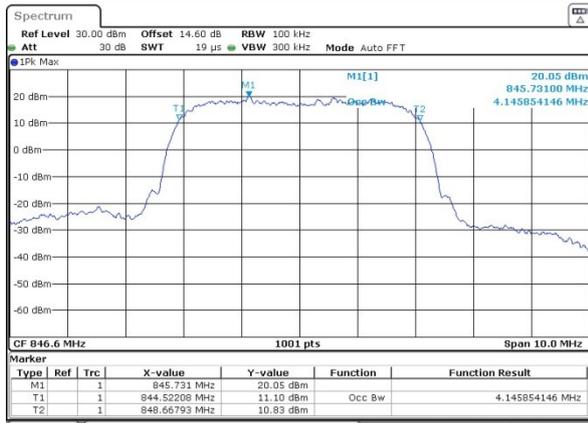
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Middle Channel



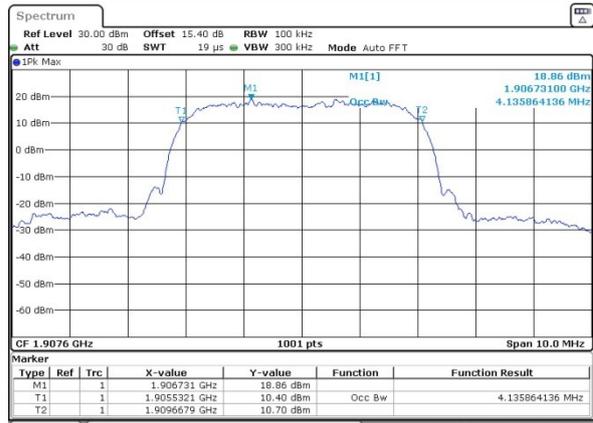
Date: 13.APR.2021 20:13:28

Highest Channel



Date: 13.APR.2021 20:05:45

Highest Channel



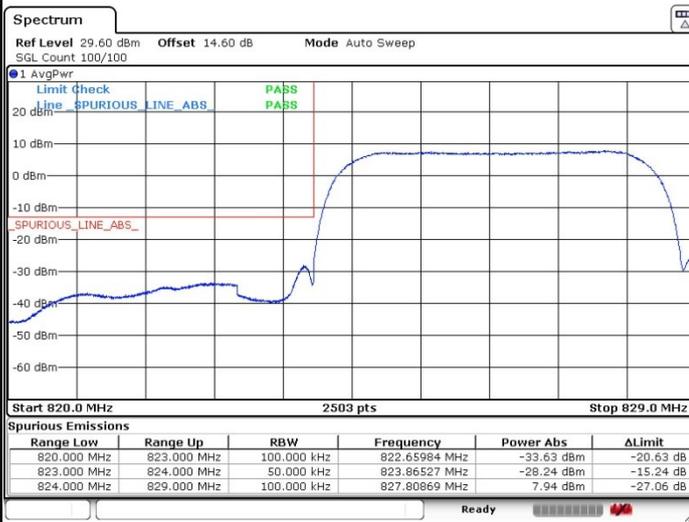
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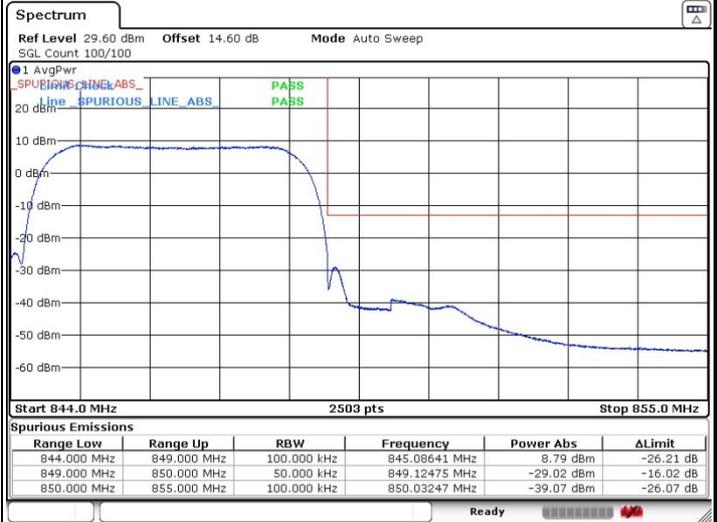
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

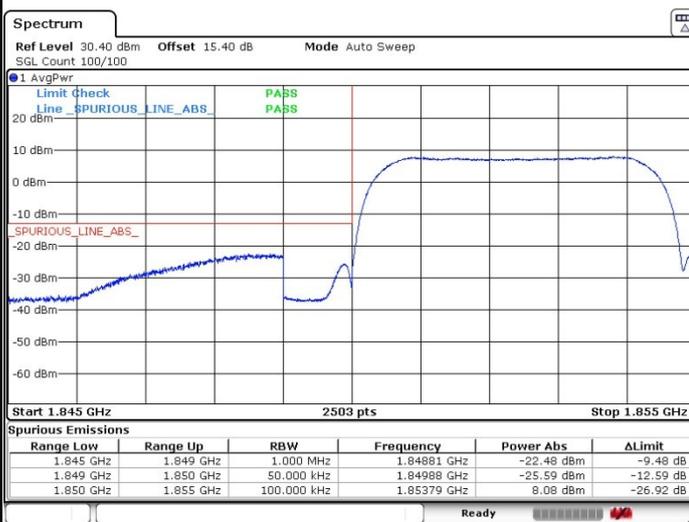


Highest Band Edge

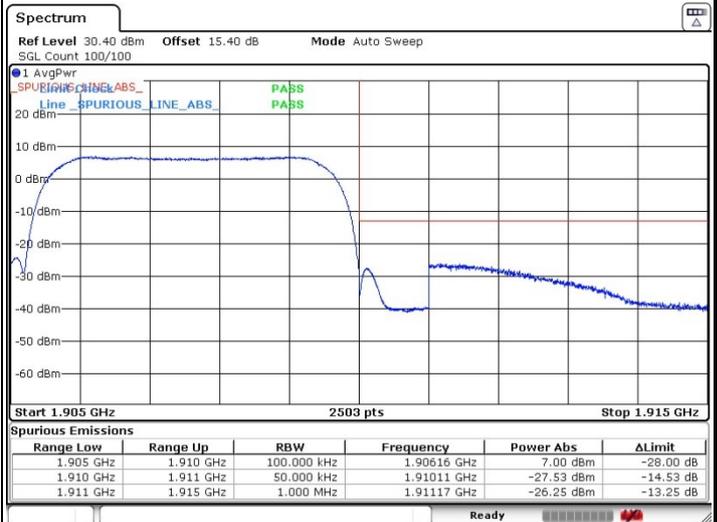


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

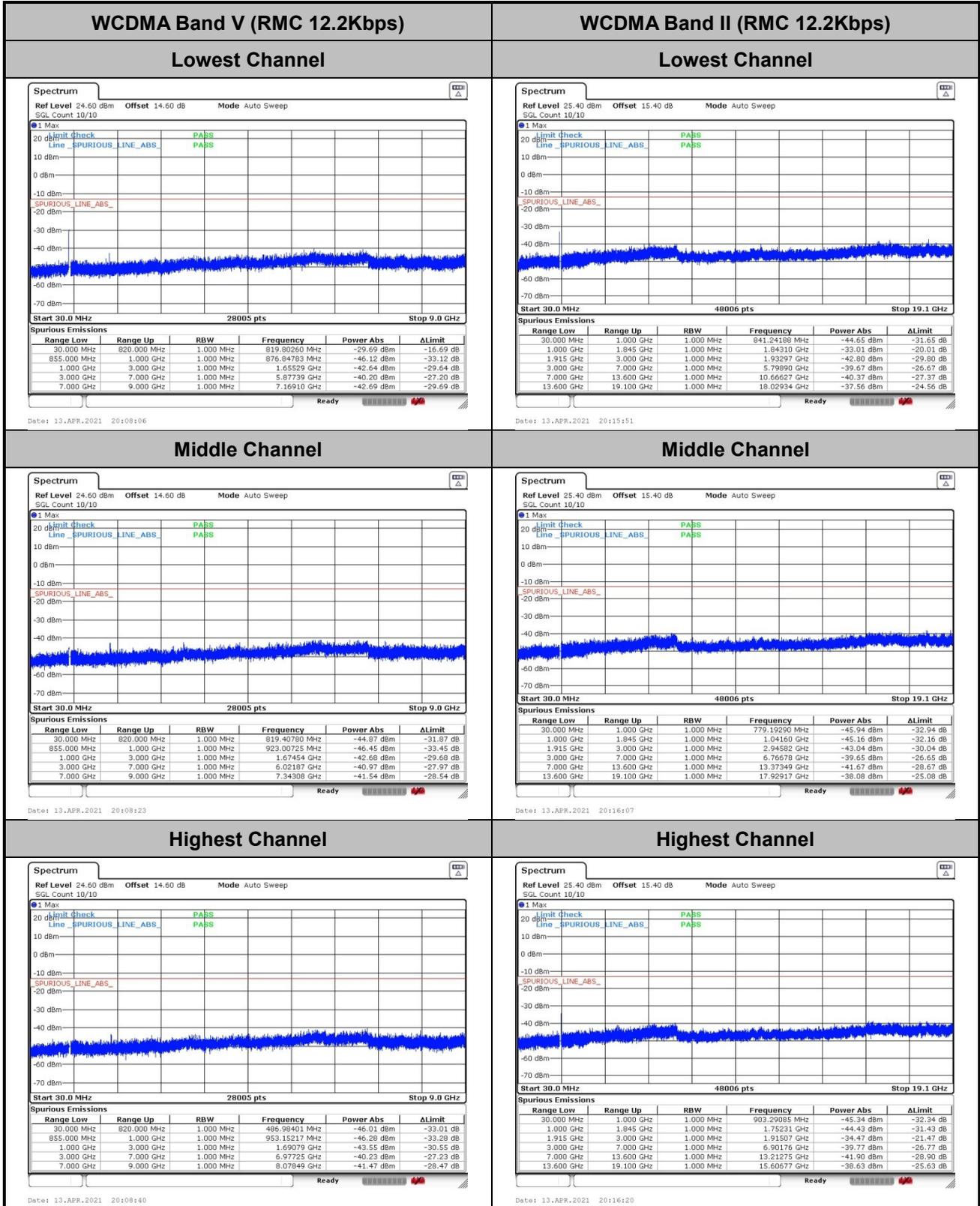


Highest Band Edge





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	0.0064	PASS
40	Normal Voltage	0.0211	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0136	
0	Normal Voltage	0.0195	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0218	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0188	
20	Battery End Point	0.0111	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0137	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0144	
0	Normal Voltage	0.0055	
-10	Normal Voltage	0.0164	
-20	Normal Voltage	0.0149	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0055	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 4.2V ; Battery End Point (BEP) =3.8V ; Maximum Voltage =4.43V
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)
Middle	1672	-39.26	-13	-26.26	-46.23	1.58	10.70	H
	2510	-41.40	-13	-28.40	-49.65	2.102	12.50	H
	3348	-53.11	-13	-40.11	-62.00	2.856	13.90	H
	1672	-42.70	-13	-29.70	-49.67	1.58	10.70	V
	2510	-43.07	-13	-30.07	-51.32	2.10	12.50	V
	3348	-57.99	-13	-44.99	-66.88	2.86	13.90	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)
Middle	1672	-39.26	-13	-26.26	-46.23	1.58	10.70	H
	2510	-40.76	-13	-27.76	-49.01	2.102	12.50	H
	3348	-49.45	-13	-36.45	-58.34	2.856	13.90	H
	1672	-41.96	-13	-28.96	-48.93	1.58	10.70	V
	2510	-46.32	-13	-33.32	-54.57	2.10	12.50	V
	3348	-55.40	-13	-42.40	-64.29	2.86	13.90	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)
Middle	3759	-56.33	-13	-43.33	-68.59	2.64	14.90	H
	5640	-51.02	-13	-38.02	-62.88	2.94	14.80	H
	7524	-52.17	-13	-39.17	-61.94	3.39	13.16	H
	9396	-49.79	-13	-36.79	-60.27	4.00	14.48	H
	3759	-55.85	-13	-42.85	-68.11	2.64	14.90	V
	5640	-54.88	-13	-41.88	-66.74	2.94	14.80	V
	7524	-51.78	-13	-38.78	-61.55	3.39	13.16	V
	9396	-50.54	-13	-37.54	-61.02	4.00	14.48	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)
Middle	3759	-56.77	-13	-43.77	-69.03	2.64	14.90	H
	5640	-52.25	-13	-39.25	-64.11	2.94	14.80	H
	7524	-52.26	-13	-39.26	-62.03	3.39	13.16	H
	3759	-56.13	-13	-43.13	-68.39	2.64	14.90	V
	5640	-53.60	-13	-40.60	-65.46	2.94	14.80	V
	7524	-52.15	-13	-39.15	-61.92	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)
Middle	1672	-64.27	-13	-51.27	-71.24	1.58	10.70	H
	2510	-59.34	-13	-46.34	-67.59	2.102	12.50	H
	3348	-59.86	-13	-46.86	-68.75	2.856	13.90	H
	1672	-63.50	-13	-50.50	-70.47	1.58	10.70	V
	2510	-58.57	-13	-45.57	-66.82	2.10	12.50	V
	3348	-59.67	-13	-46.67	-68.56	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)								
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	3759	-56.39	-13	-43.39	-68.65	2.64	14.90	H
	5640	-54.48	-13	-41.48	-66.34	2.94	14.80	H
	7524	-52.27	-13	-39.27	-62.04	3.39	13.16	H
	3759	-56.14	-13	-43.14	-68.40	2.64	14.90	V
	5640	-54.77	-13	-41.77	-66.63	2.94	14.80	V
	7524	-51.85	-13	-38.85	-61.62	3.39	13.16	V

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