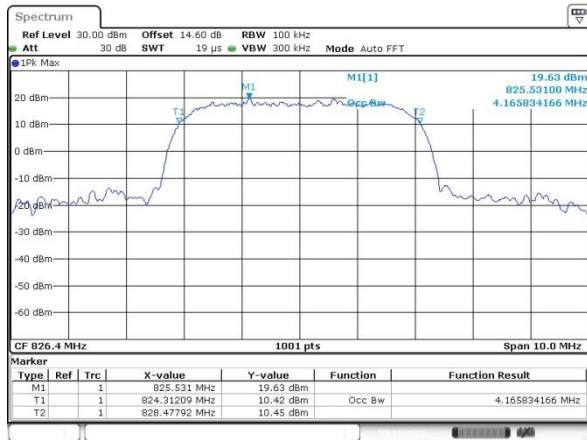




WCDMA Band V (RMC 12.2Kbps)

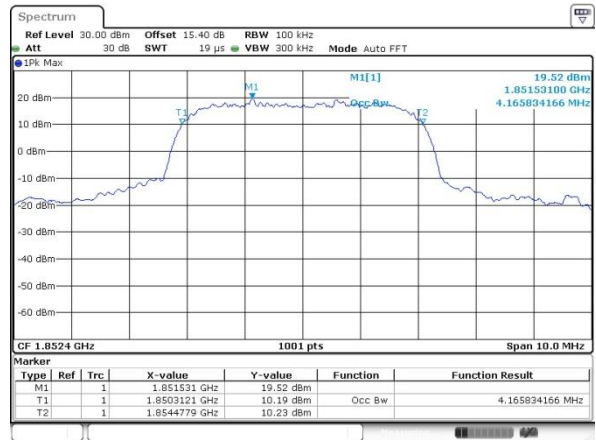
Lowest Channel



Date: 1 APR 2020 12:56:04

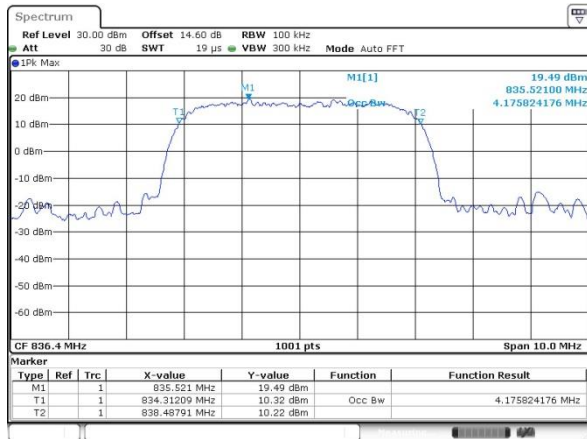
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



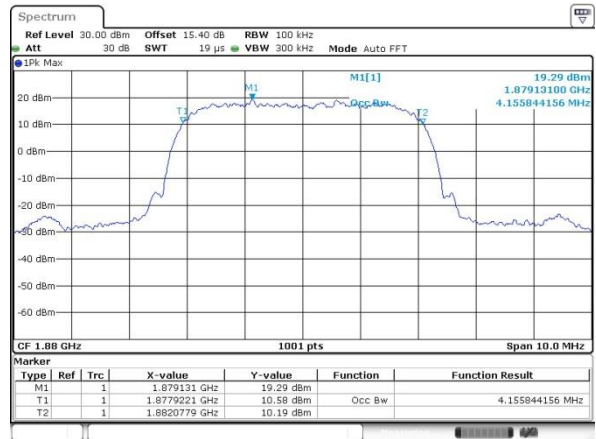
Date: 1 APR 2020 14:21:08

Middle Channel



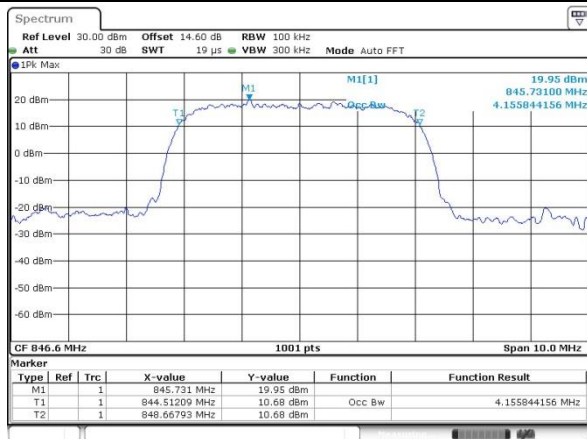
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Middle Channel



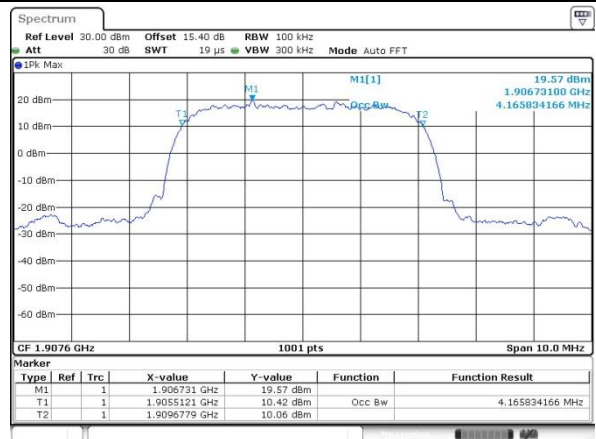
Date: 1 APR 2020 14:21:46

Highest Channel



Date: 1 APR 2020 12:57:12

Highest Channel



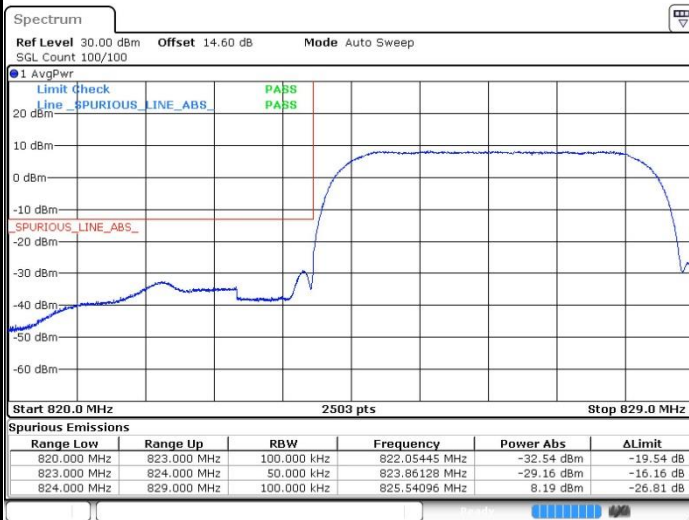
Date: 1 APR 2020 14:22:27



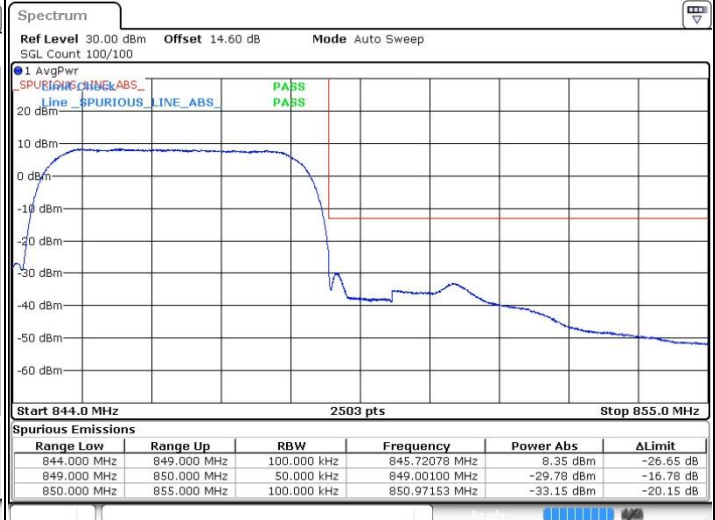
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

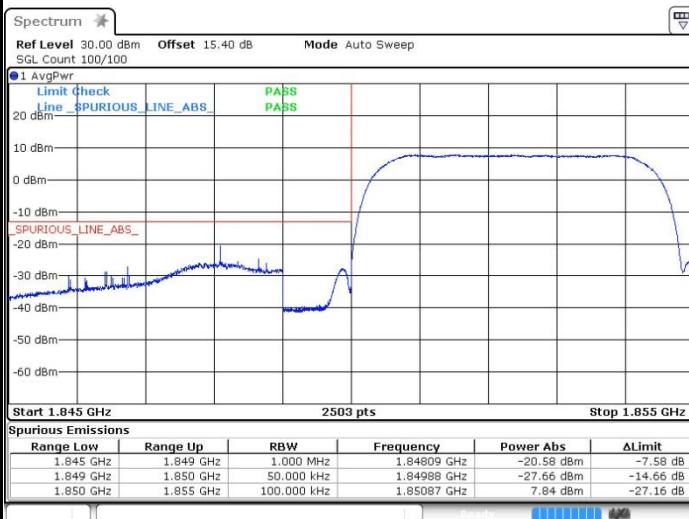


Highest Band Edge

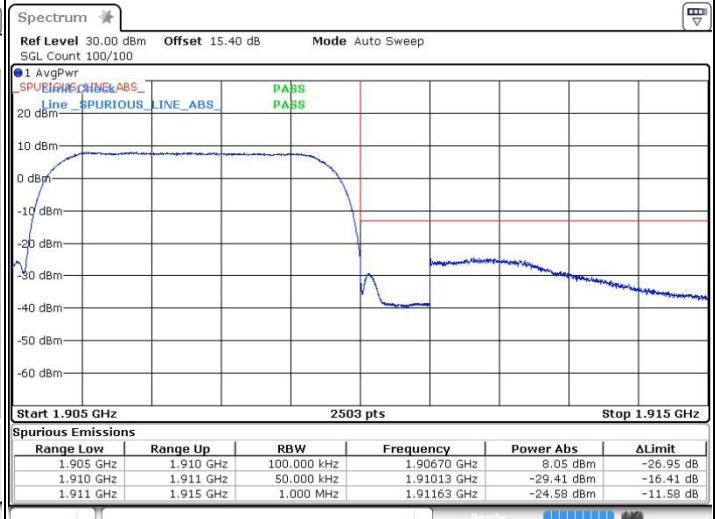


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

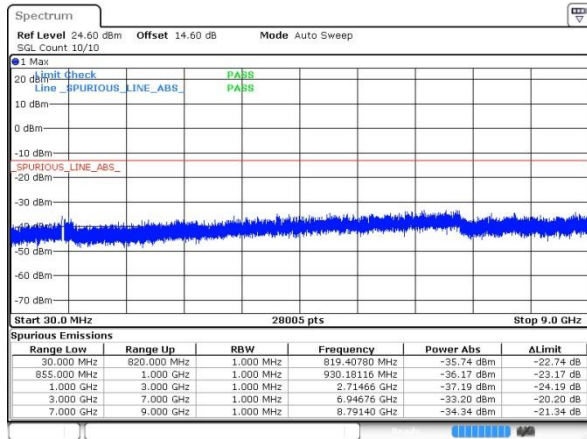




Conducted Spurious Emission

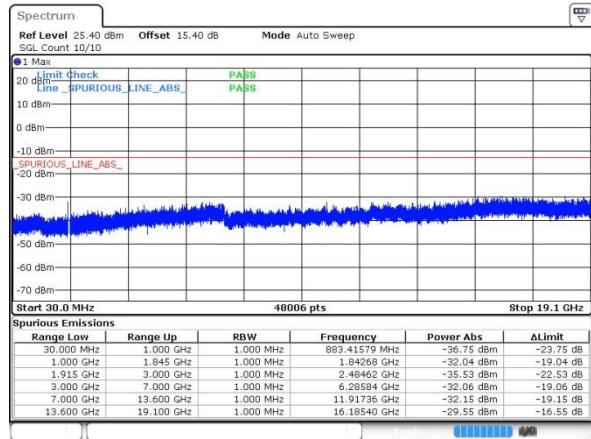
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

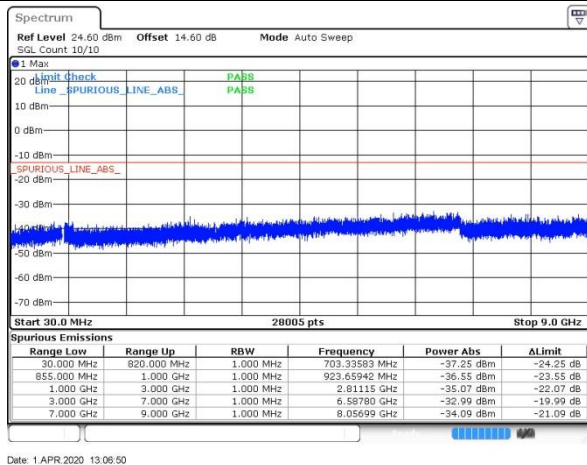


WCDMA Band II (RMC 12.2Kbps)

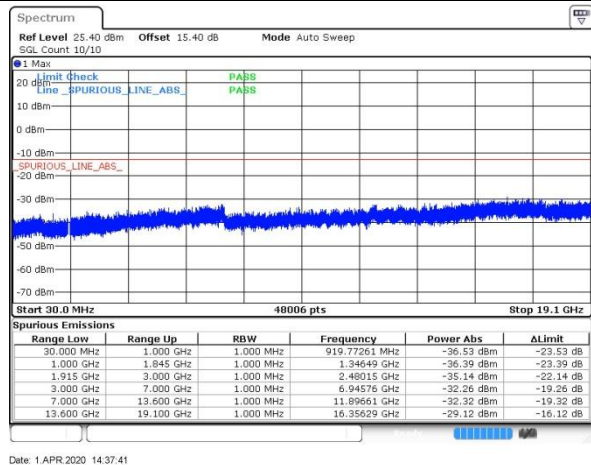
Lowest Channel



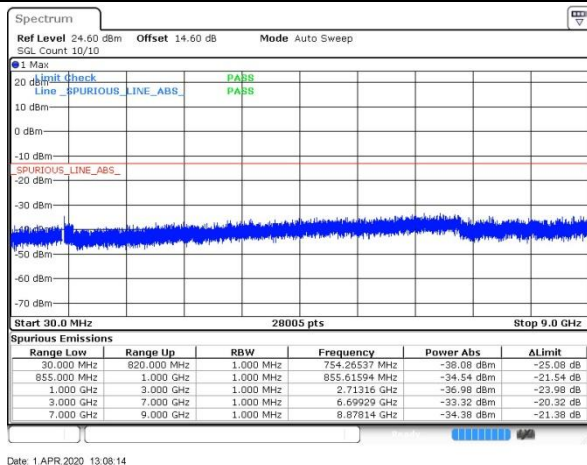
Middle Channel



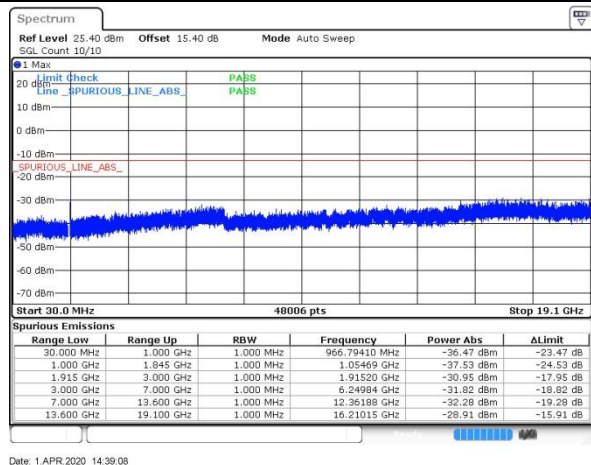
Middle Channel



Highest Channel



Highest Channel



**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	0.0037	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0069	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0064	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.35 V
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 II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0060	
0	Normal Voltage	0.0108	
-10	Normal Voltage	0.0060	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0131	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0084	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.35 V
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	-52.60	-13	-39.60	-59.57	1.58	10.70	H
	2510	-35.68	-13	-22.68	-43.93	2.102	12.50	H
	3348	-59.94	-13	-46.94	-68.83	2.856	13.90	H
	1672	-55.09	-13	-42.09	-62.06	1.58	10.70	V
	2510	-44.90	-13	-31.90	-53.15	2.10	12.50	V
	3348	-60.78	-13	-47.78	-69.67	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots)								
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	-61.29	-13	-48.29	-68.26	1.58	10.70	H
	2510	-51.52	-13	-38.52	-59.77	2.102	12.50	H
	3348	-61.51	-13	-48.51	-70.40	2.856	13.90	H
	1672	-63.21	-13	-50.21	-70.18	1.58	10.70	V
	2510	-53.06	-13	-40.06	-61.31	2.10	12.50	V
	3348	-61.43	-13	-48.43	-70.32	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	-52.73	-13	-39.73	-64.99	2.64	14.90	H
	5640	-43.40	-13	-30.40	-55.26	2.94	14.80	H
	7524	-47.73	-13	-34.73	-57.50	3.39	13.16	H
	3759	-50.68	-13	-37.68	-62.94	2.64	14.90	V
	5640	-48.39	-13	-35.39	-60.25	2.94	14.80	V
	7524	-47.32	-13	-34.32	-57.09	3.39	13.16	V

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

GSM1900 (EDGE 1 Tx slots)								
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	-54.32	-13	-41.32	-66.58	2.64	14.90	H
	5640	-52.04	-13	-39.04	-63.90	2.94	14.80	H
	7524	-48.16	-13	-35.16	-57.93	3.39	13.16	H
	3759	-53.90	-13	-40.90	-66.16	2.64	14.90	V
	5640	-51.20	-13	-38.20	-63.06	2.94	14.80	V
	7524	-46.81	-13	-33.81	-56.58	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	-66.57	-13	-53.57	-73.54	1.58	10.70	H
	2510	-61.45	-13	-48.45	-69.70	2.102	12.50	H
	3348	-61.44	-13	-48.44	-70.33	2.856	13.90	H
	1672	-66.75	-13	-53.75	-73.72	1.58	10.70	V
	2510	-61.87	-13	-48.87	-70.12	2.10	12.50	V
	3348	-61.16	-13	-48.16	-70.05	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	-54.33	-13	-41.33	-66.59	2.64	14.90	H
	5640	-50.79	-13	-37.79	-62.65	2.94	14.80	H
	7524	-47.12	-13	-34.12	-56.89	3.39	13.16	H
	3759	-54.12	-13	-41.12	-66.38	2.64	14.90	V
	5640	-49.06	-13	-36.06	-60.92	2.94	14.80	V
	7524	-46.68	-13	-33.68	-56.45	3.39	13.16	V

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