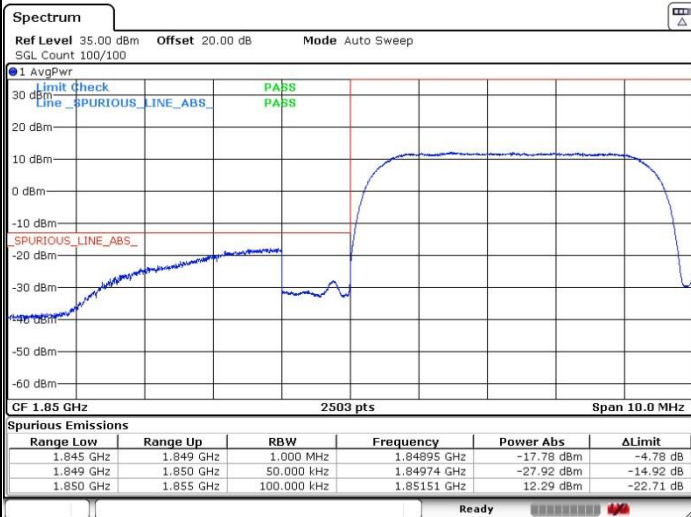




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 7 MAY 2020 03:43:34



Date: 7 MAY 2020 03:44:38

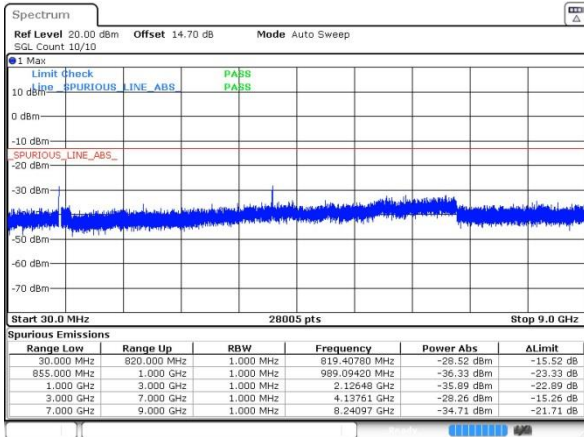


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

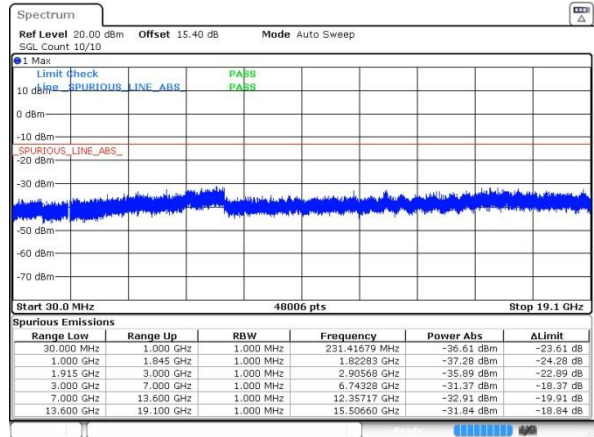
Lowest Channel



Date: 7 MAY 2020 03:27:34

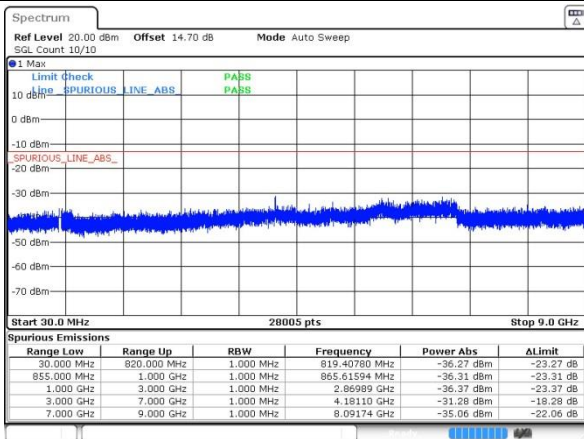
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



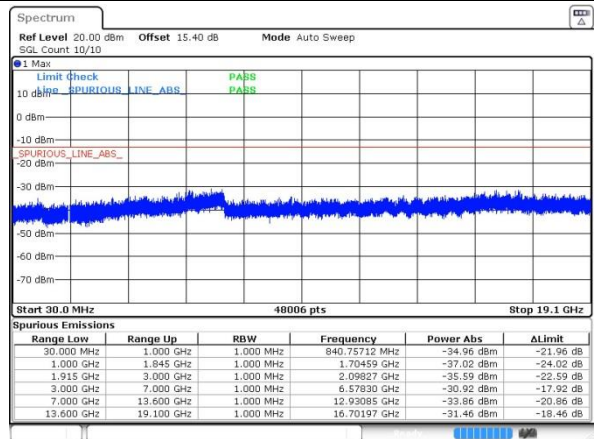
Date: 7 MAY 2020 03:45:04

Middle Channel



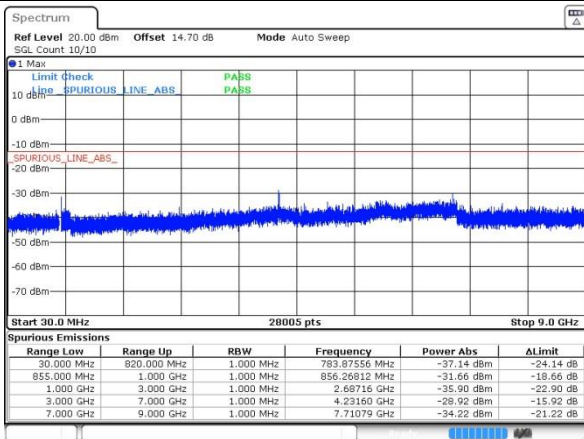
Date: 7 MAY 2020 03:27:44

Middle Channel



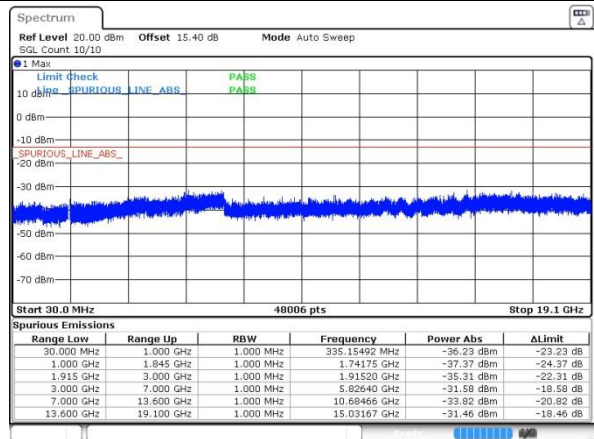
Date: 7 MAY 2020 03:45:16

Highest Channel



Date: 7 MAY 2020 03:27:54

Highest Channel



Date: 7 MAY 2020 03:45:28

**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	0.0048	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0120	
-30	Normal Voltage	0.0167	
20	Maximum Voltage	0.0120	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0024	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0053	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0106	
20	Battery End Point	0.0069	



Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.4V
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	-48.78	-13	-35.78	-55.75	1.58	10.70	H
	2510	-60.40	-13	-47.40	-68.65	2.102	12.50	H
	3348	-55.87	-13	-42.87	-64.76	2.856	13.90	H
	4182	-55.87	-13	-42.87	-64.33	2.689	13.30	H
	5016	-52.62	-13	-39.62	-60.38	3.093	13.00	H
	1672	-45.99	-13	-32.99	-52.96	1.58	10.70	V
	2510	-56.52	-13	-43.52	-64.77	2.10	12.50	V
	3348	-52.01	-13	-39.01	-60.90	2.86	13.90	V
	4182	-55.56	-13	-42.56	-64.02	2.69	13.30	V
	5016	-52.86	-13	-39.86	-60.62	3.09	13.00	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	-63.65	-13	-50.65	-70.62	1.58	10.70	H
	2510	-62.29	-13	-49.29	-70.54	2.102	12.50	H
	3348	-59.35	-13	-46.35	-68.24	2.856	13.90	H
	4182	-55.51	-13	-42.51	-63.97	2.689	13.30	H
	5016	-52.53	-13	-39.53	-60.29	3.093	13.00	H
	1672	-61.33	-13	-48.33	-68.30	1.58	10.70	V
	2510	-62.24	-13	-49.24	-70.49	2.10	12.50	V
	3348	-59.18	-13	-46.18	-68.07	2.86	13.90	V
	4182	-55.03	-13	-42.03	-63.49	2.69	13.30	V
	5016	-53.04	-13	-40.04	-60.80	3.09	13.00	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	3760	-54.19	-13	-41.19	-66.45	2.641	14.90	H
	5640	-50.10	-13	-37.10	-61.96	2.94	14.80	H
	7524	-45.32	-13	-32.32	-55.09	3.39	13.16	H
	9400	-41.50	-13	-28.50	-51.98	4.00	14.48	H
	3759	-53.97	-13	-40.97	-66.23	2.64	14.90	V
	5640	-50.22	-13	-37.22	-62.08	2.94	14.80	V
	7524	-45.04	-13	-32.04	-54.81	3.39	13.16	V
	9400	-40.96	-13	-27.96	-51.44	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	-54.28	-13	-41.28	-66.54	2.64	14.90	H
	5640	-50.55	-13	-37.55	-62.41	2.94	14.80	H
	7524	-44.90	-13	-31.90	-54.67	3.39	13.16	H
	9400	-41.00	-13	-28.00	-51.48	4.00	14.48	H
	3759	-54.41	-13	-41.41	-66.67	2.64	14.90	V
	5640	-50.31	-13	-37.31	-62.17	2.94	14.80	V
	7520	-45.06	-13	-32.06	-54.83	3.39	13.16	V
	9396	-41.00	-13	-28.00	-51.48	4.00	14.48	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	1672.8	-64.61	-13	-51.61	-71.58	1.58	10.70	H
	2510	-62.36	-13	-49.36	-70.61	2.102	12.50	H
	3348	-59.89	-13	-46.89	-68.78	2.856	13.90	H
	4182	-55.71	-13	-42.71	-64.17	2.689	13.30	H
	5018.4	-53.03	-13	-40.03	-60.79	3.093	13.00	H
	1672	-62.07	-13	-49.07	-69.04	1.58	10.70	V
	2509.2	-61.21	-13	-48.21	-69.46	2.10	12.50	V
	3345.6	-59.72	-13	-46.72	-68.61	2.86	13.90	V
	4182	-55.98	-13	-42.98	-64.44	2.69	13.30	V
	5016	-53.02	-13	-40.02	-60.78	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)
Middle	3760	-54.58	-13	-41.58	-66.84	2.64	14.90	H
	5640	-50.46	-13	-37.46	-62.32	2.94	14.80	H
	7524	-45.47	-13	-32.47	-55.24	3.39	13.16	H
	9396	-41.49	-13	-28.49	-51.97	4.00	14.48	H
	3759	-54.56	-13	-41.56	-66.82	2.64	14.90	V
	5640	-50.37	-13	-37.37	-62.23	2.94	14.80	V
	7520	-44.76	-13	-31.76	-54.53	3.39	13.16	V
	9396	-41.06	-13	-28.06	-51.54	4.00	14.48	V

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