



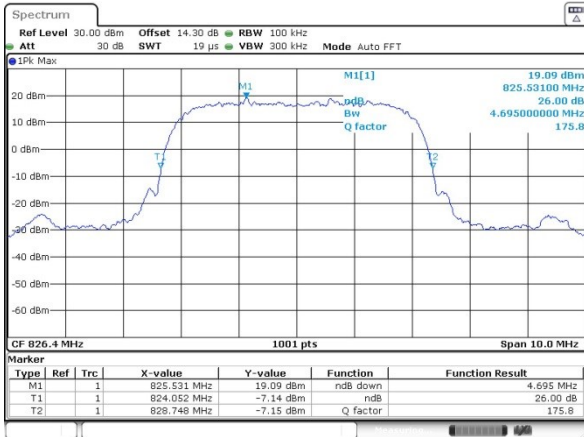
26dB Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

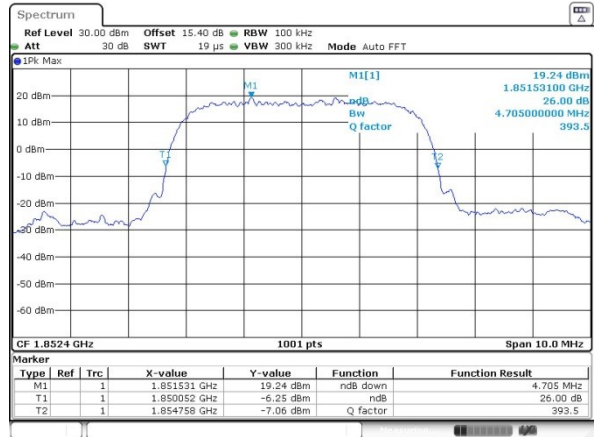
Lowest Channel



Date: 13.FEB.2020 19:45:33

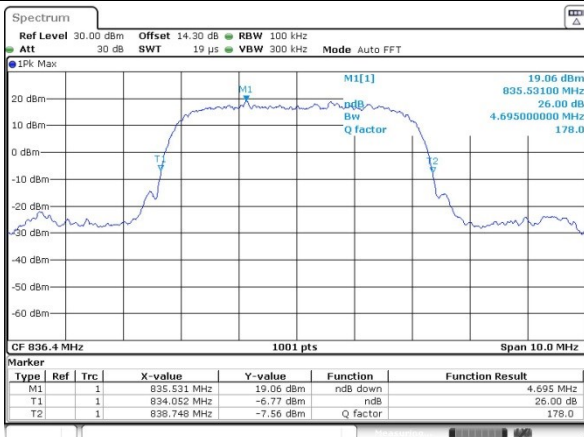
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



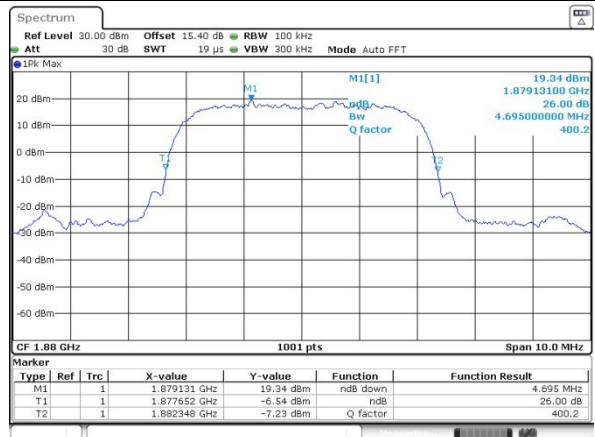
Date: 13.FEB.2020 19:55:09

Middle Channel



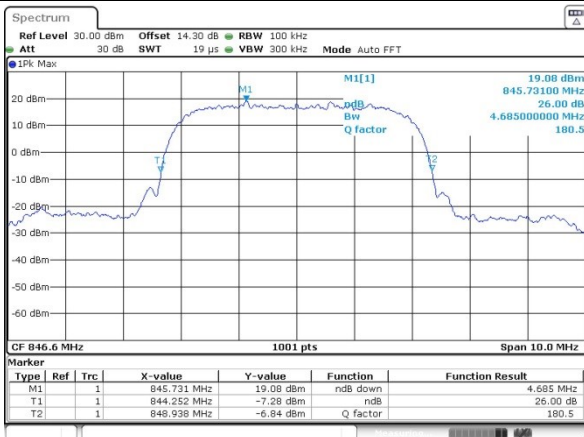
Date: 13.FEB.2020 19:45:54

Middle Channel



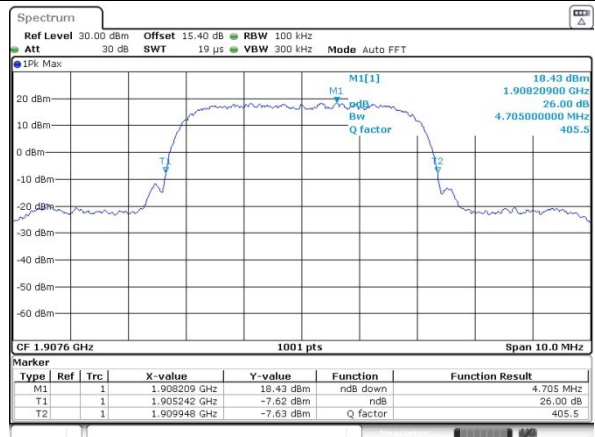
Date: 13.FEB.2020 19:55:31

Highest Channel

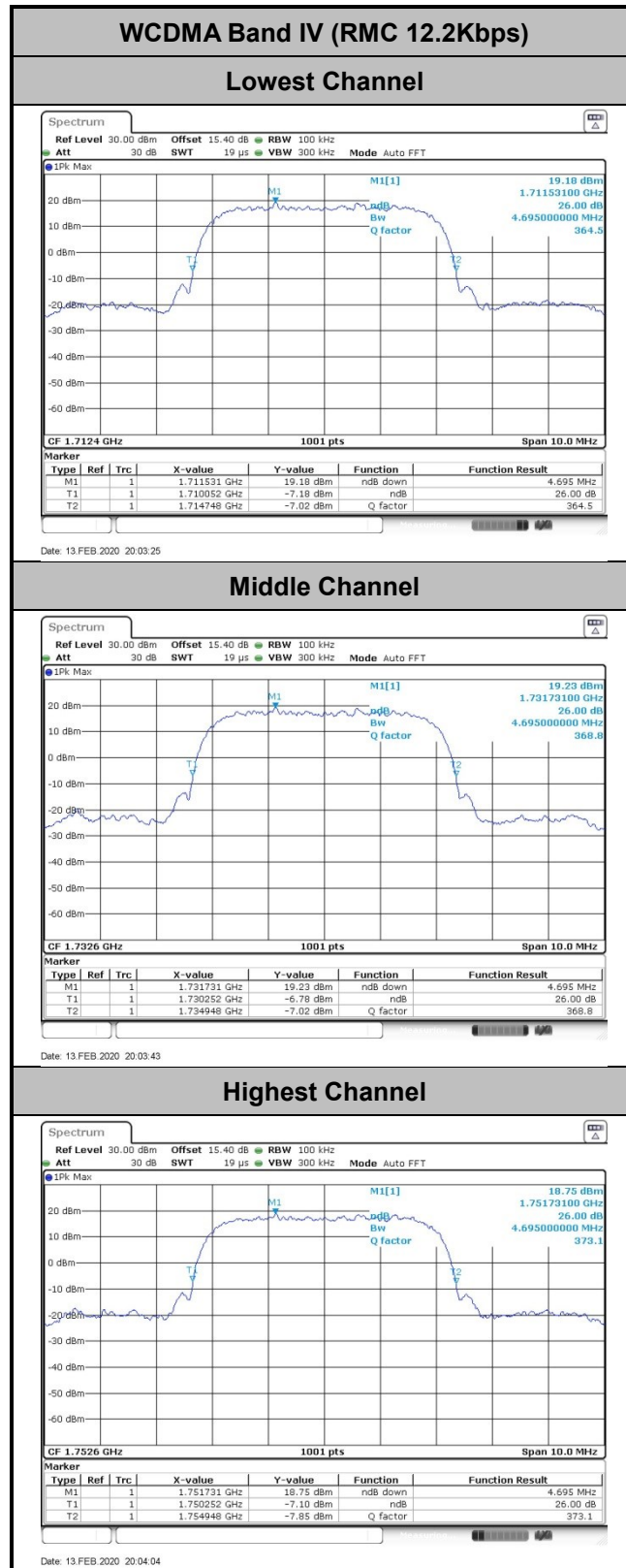


Date: 13.FEB.2020 19:46:18

Highest Channel



Date: 13.FEB.2020 19:55:52





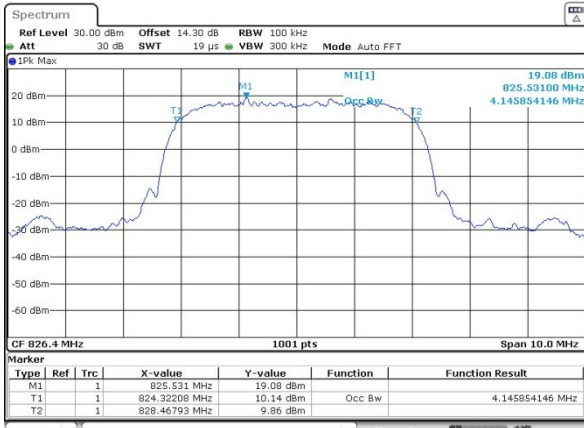
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.146	4.156	4.156
Middle CH	4.146	4.146	4.156
Highest CH	4.146	4.166	4.166



WCDMA Band V (RMC 12.2Kbps)

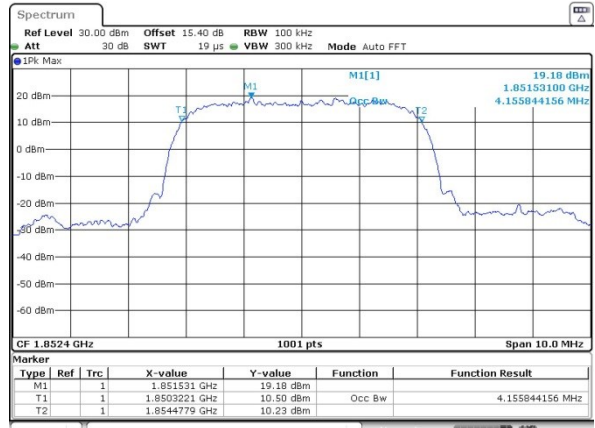
Lowest Channel



Date: 13.FEB.2020 19:48:06

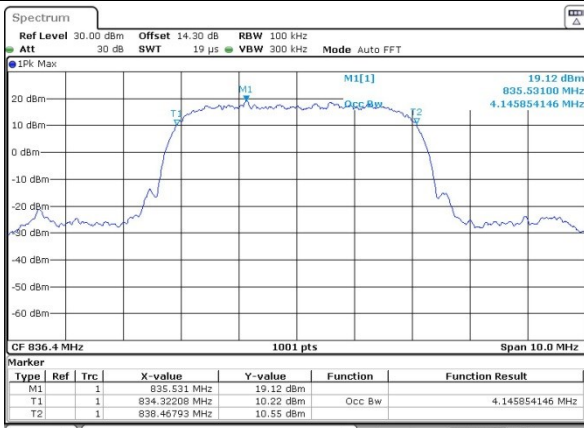
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



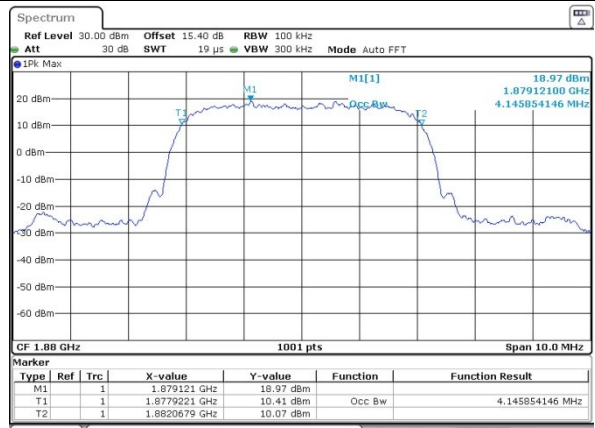
Date: 13.FEB.2020 19:58:23

Middle Channel



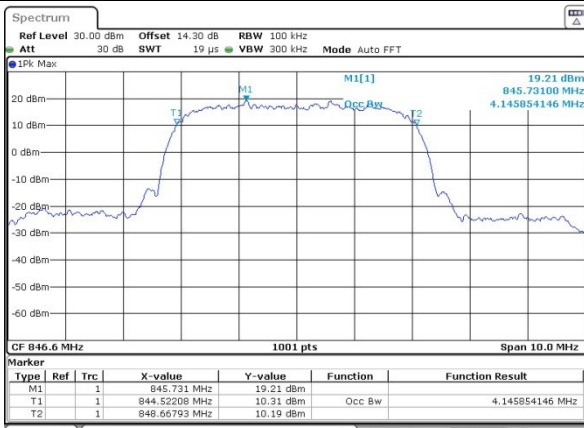
Date: 13.FEB.2020 19:48:28

Middle Channel



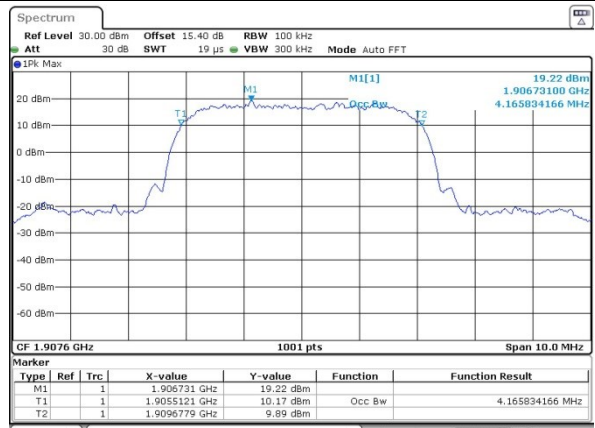
Date: 13.FEB.2020 19:58:43

Highest Channel

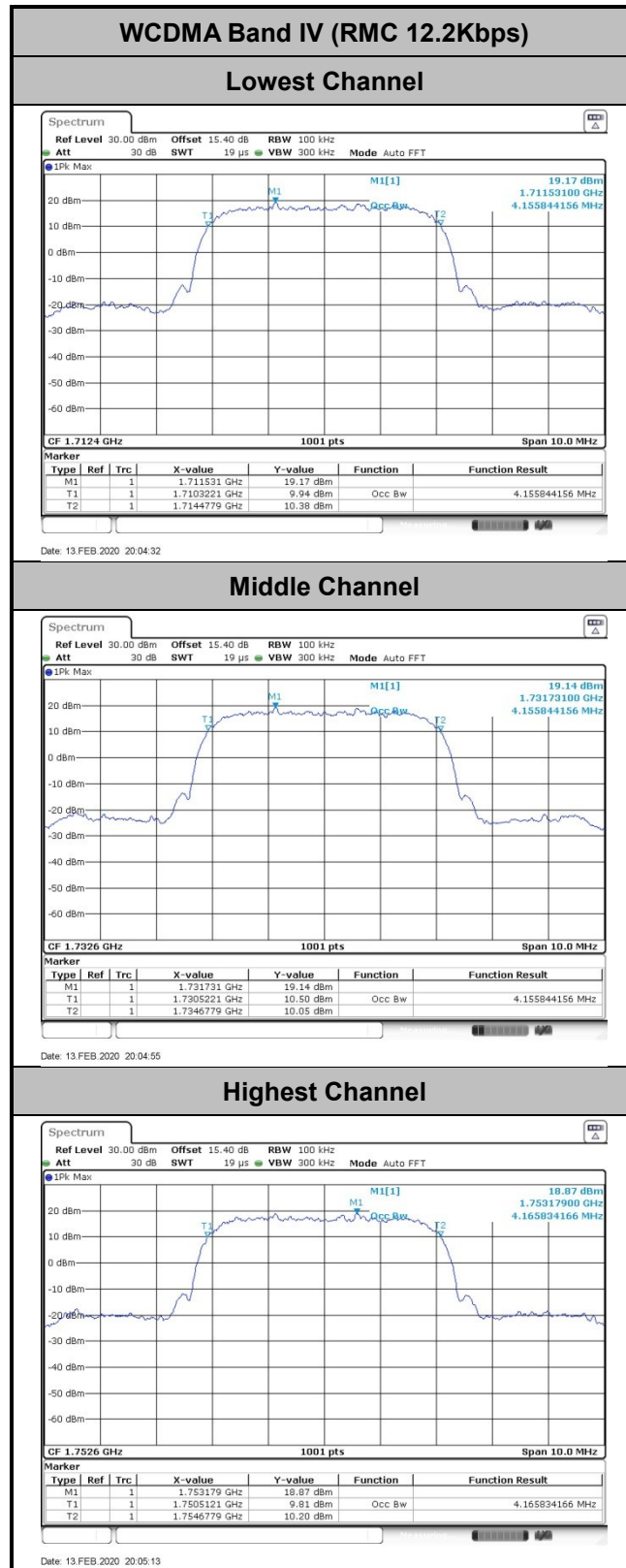


Date: 13.FEB.2020 19:48:51

Highest Channel

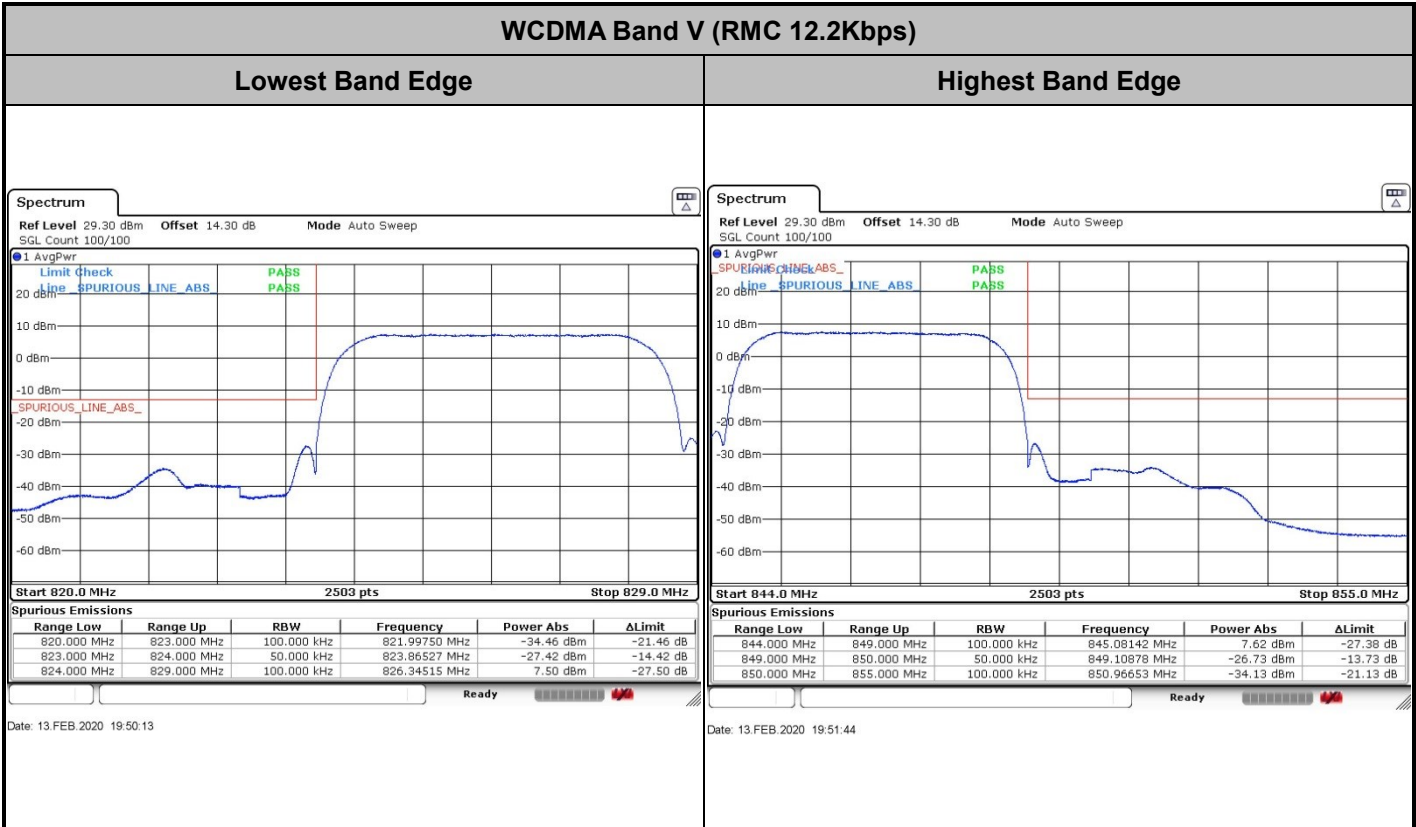


Date: 13.FEB.2020 19:59:03





Conducted Band Edge

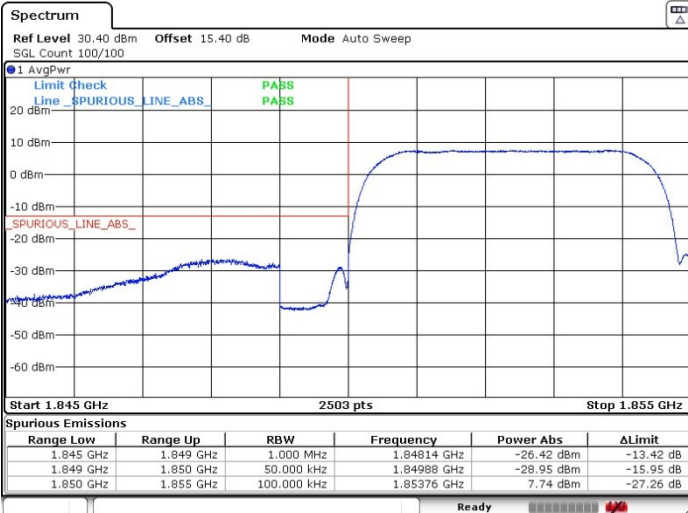




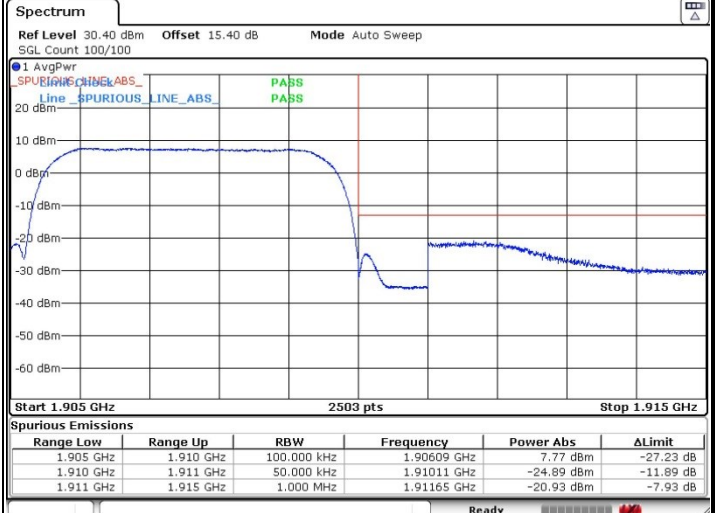
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 13.FEB.2020 20:00:06



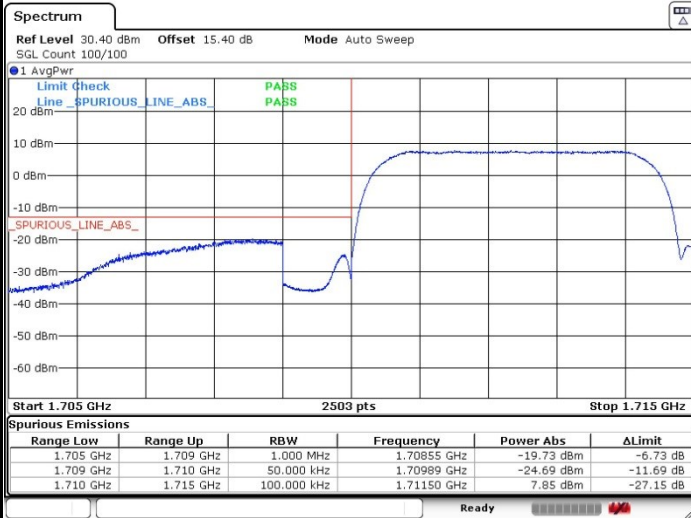
Date: 13.FEB.2020 20:01:06



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 13.FEB.2020 20:07:16

Date: 13.FEB.2020 20:08:45

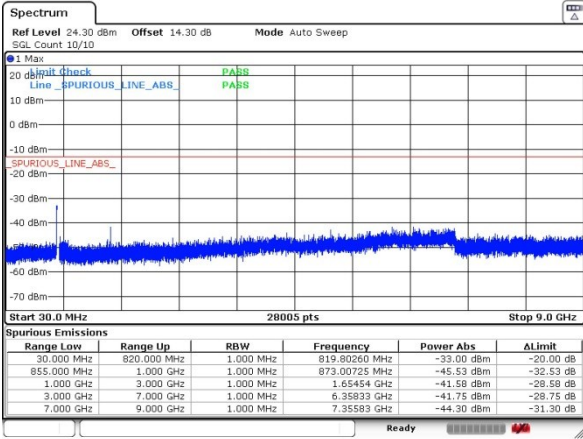


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

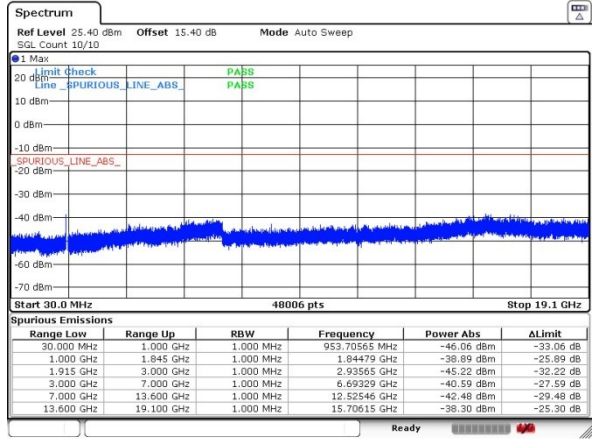
Lowest Channel



Date: 13.FEB.2020 19:52:08

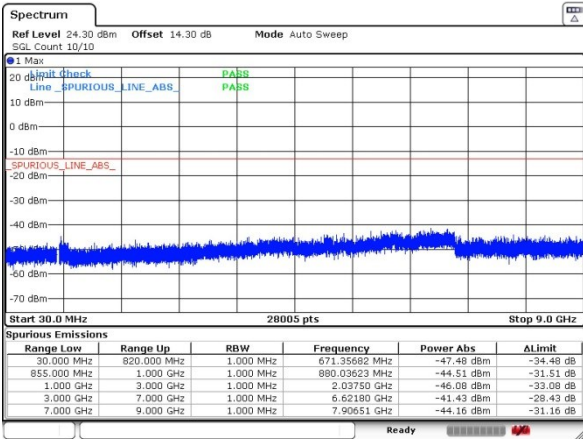
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



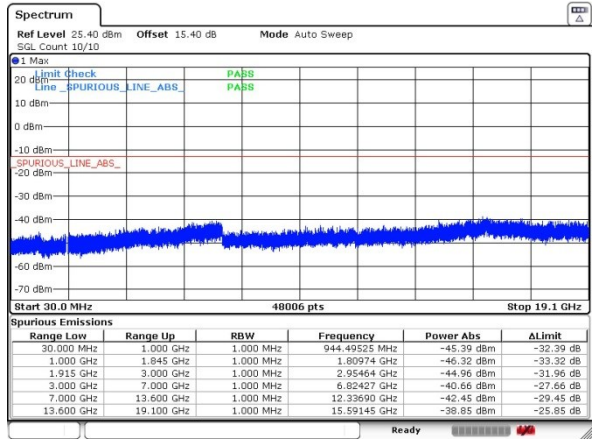
Date: 13.FEB.2020 20:01:39

Middle Channel



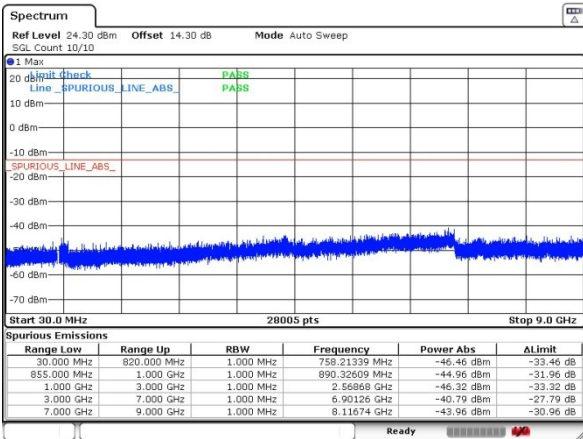
Date: 13.FEB.2020 19:52:28

Middle Channel



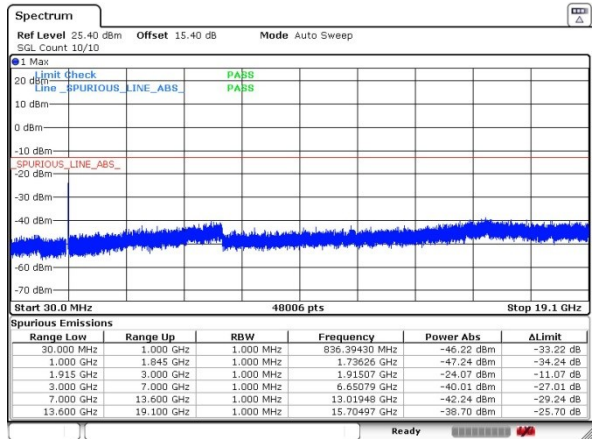
Date: 13.FEB.2020 20:02:10

Highest Channel

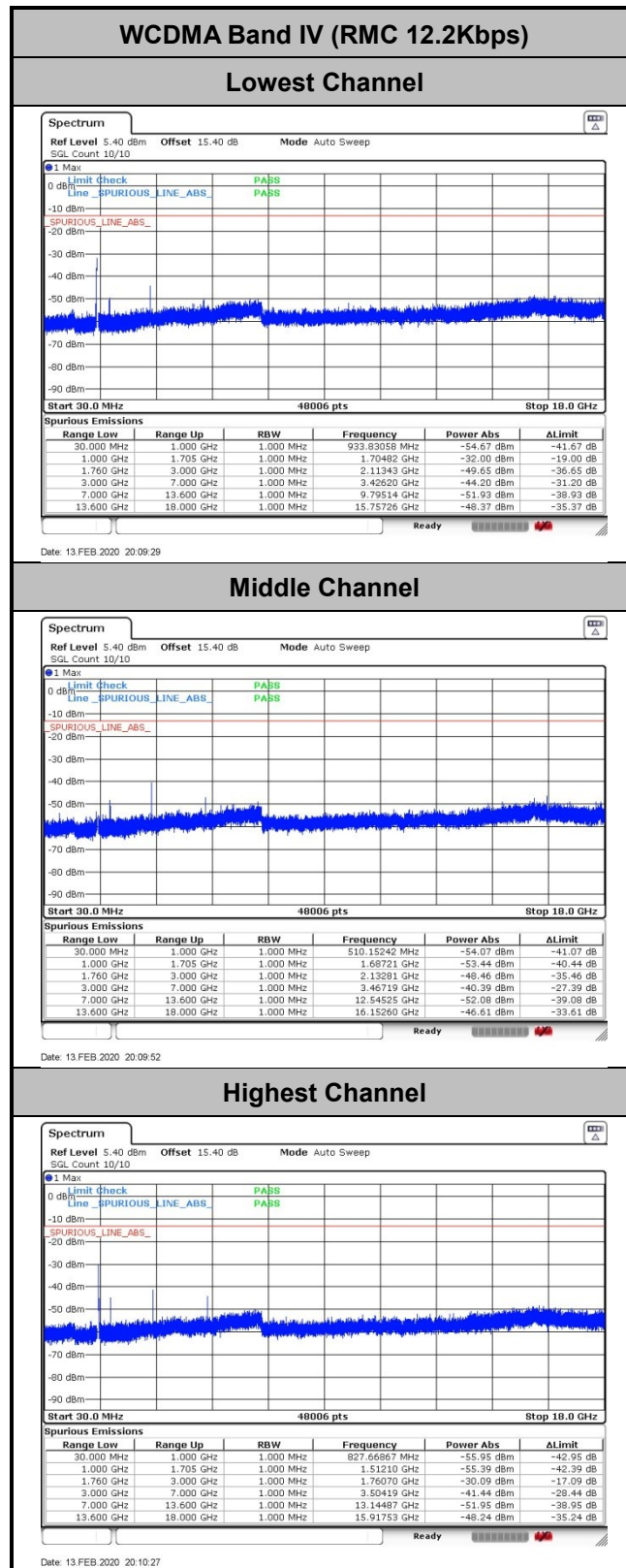


Date: 13.FEB.2020 19:52:45

Highest Channel



Date: 13.FEB.2020 20:02:34





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	0.0036	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0167	
-10	Normal Voltage	0.0179	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0131	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0060	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0074	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0064	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0059	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0098	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0061	
0	Normal Voltage	0.0110	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0158	
-30	Normal Voltage	0.0183	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0207	
20	Battery End Point	0.0110	

Note:

1. Normal Voltage = 4V ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.3V
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	-43.30	-13	-30.30	-50.27	1.58	10.70	H
	2510	-45.98	-13	-32.98	-54.23	2.102	12.50	H
	3348	-63.81	-13	-50.81	-72.70	2.856	13.90	H
	1672	-40.06	-13	-27.06	-47.03	1.58	10.70	V
	2510	-44.88	-13	-31.88	-53.13	2.10	12.50	V
	3348	-63.29	-13	-50.29	-72.18	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	-44.70	-13	-31.70	-51.67	1.58	10.70	H
	2510	-45.51	-13	-32.51	-53.76	2.102	12.50	H
	3348	-63.24	-13	-50.24	-72.13	2.856	13.90	H
	1672	-40.53	-13	-27.53	-47.50	1.58	10.70	V
	2510	-50.51	-13	-37.51	-58.76	2.10	12.50	V
	3348	-62.88	-13	-49.88	-71.77	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	-57.60	-13	-44.60	-69.86	2.641	14.90	H
	5640	-49.05	-13	-36.05	-60.91	2.94	14.80	H
	7524	-51.05	-13	-38.05	-60.82	3.39	13.16	H
	3759	-57.16	-13	-44.16	-69.42	2.64	14.90	V
	5640	-54.93	-13	-41.93	-66.79	2.94	14.80	V
	7524	-50.38	-13	-37.38	-60.15	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)
Middle	3759	-57.28	-13	-44.28	-69.54	2.641	14.90	H
	5640	-48.40	-13	-35.40	-60.26	2.94	14.80	H
	7524	-50.88	-13	-37.88	-60.65	3.39	13.16	H
	3759	-56.98	-13	-43.98	-69.24	2.64	14.90	V
	5640	-55.01	-13	-42.01	-66.87	2.94	14.80	V
	7524	-50.14	-13	-37.14	-59.91	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	-65.71	-13	-52.71	-72.68	1.58	10.70	H
	2509	-62.75	-13	-49.75	-71.00	2.102	12.50	H
	3348	-63.75	-13	-50.75	-72.64	2.856	13.90	H
	1672	-65.77	-13	-52.77	-72.74	1.58	10.70	V
	2509	-63.14	-13	-50.14	-71.39	2.10	12.50	V
	3348	-63.57	-13	-50.57	-72.46	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	-57.43	-13	-44.43	-69.69	2.641	14.90	H
	5640	-55.34	-13	-42.34	-67.20	2.94	14.80	H
	7520	-50.62	-13	-37.62	-60.39	3.39	13.16	H
	3759	-57.16	-13	-44.16	-69.42	2.64	14.90	V
	5640	-55.13	-13	-42.13	-66.99	2.94	14.80	V
	7520	-50.11	-13	-37.11	-59.88	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)
Middle	3465	-60.80	-13	-47.80	-71.54	2.604	13.34	H
	5197.8	-56.73	-13	-43.73	-67.24	3.011	13.52	H
	6936	-52.67	-13	-39.67	-62.87	3.271	13.47	H
	3465	-60.74	-13	-47.74	-71.48	2.604	13.34	V
	5199	-56.38	-13	-43.38	-66.89	3.011	13.52	V
	6936	-52.31	-13	-39.31	-62.51	3.271	13.47	V

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