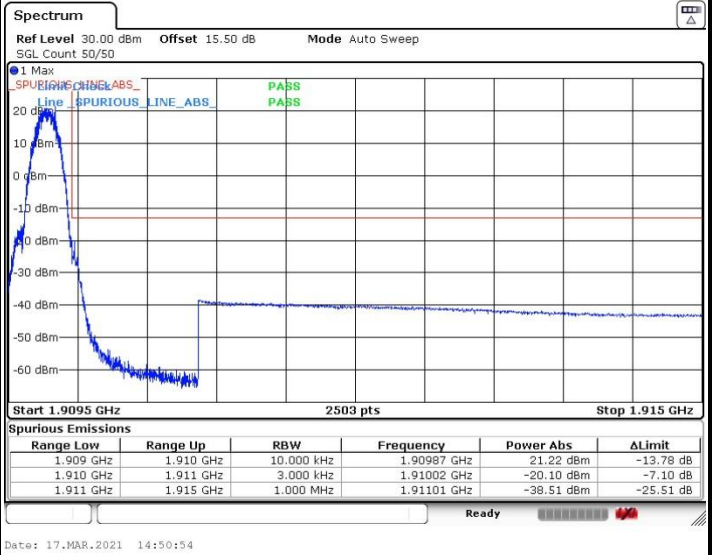
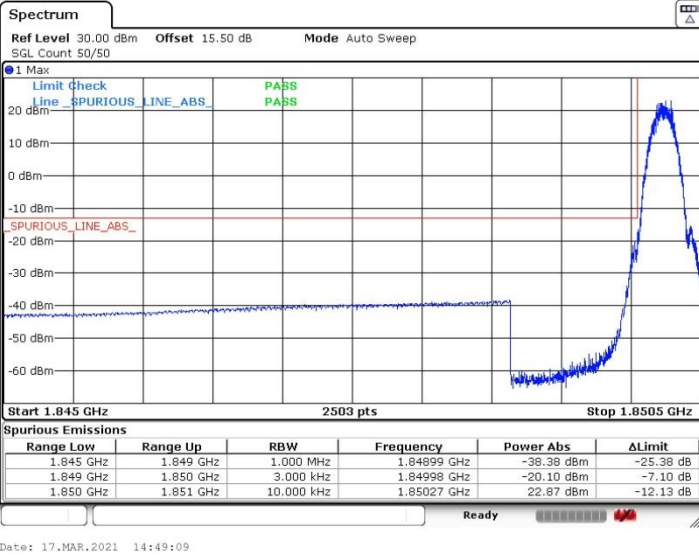




GSM1900 (GSM)

Lowest Band Edge

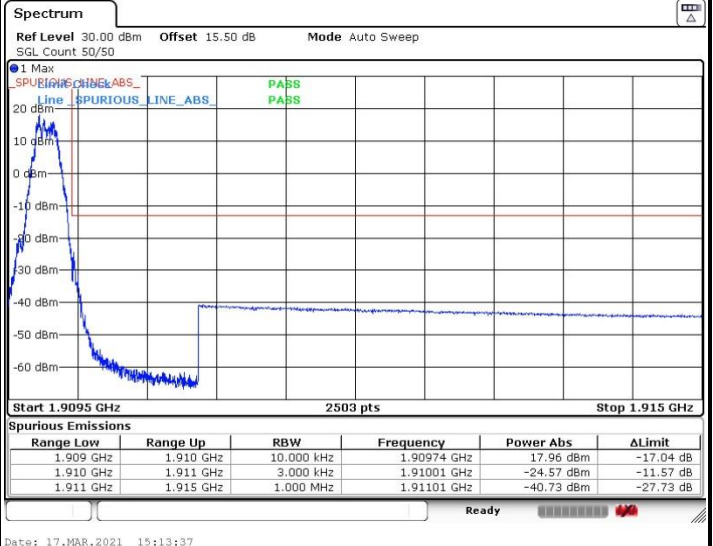
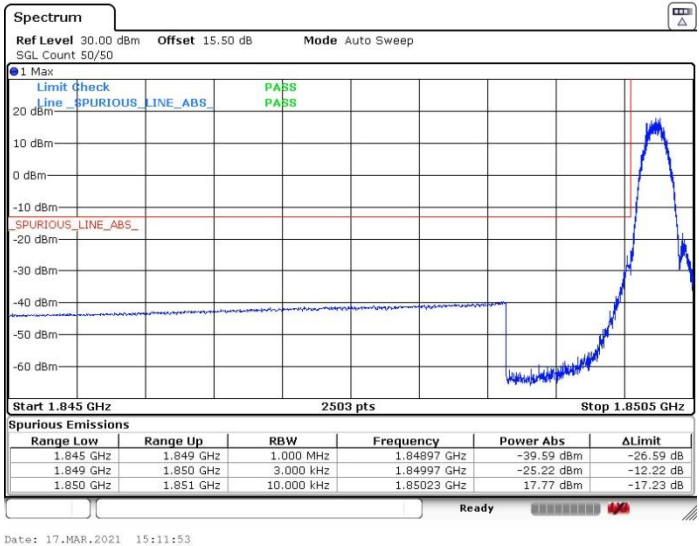
Highest Band Edge



GSM1900 (EDGE 1 Tx Slots)

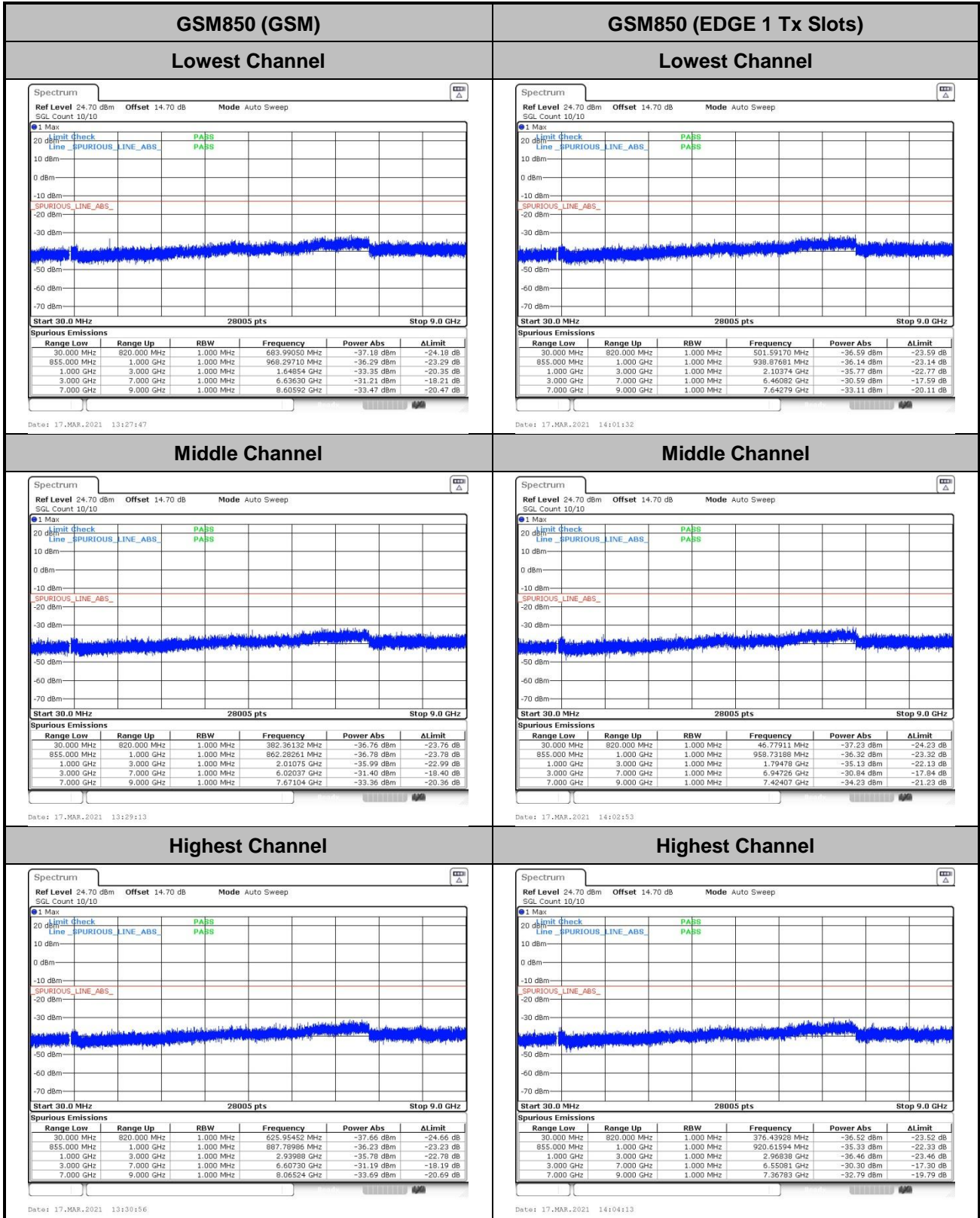
Lowest Band Edge

Highest Band Edge





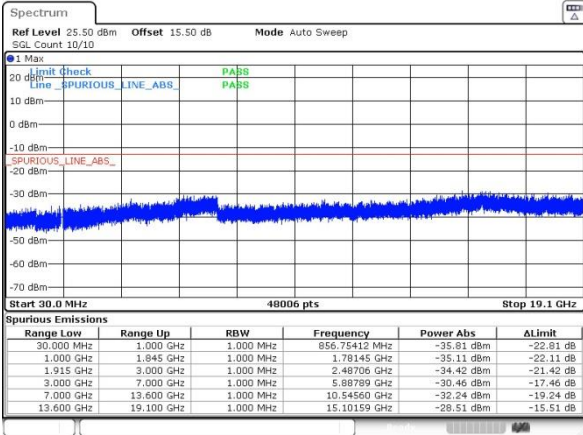
Conducted Spurious Emission





GSM1900 (GSM)

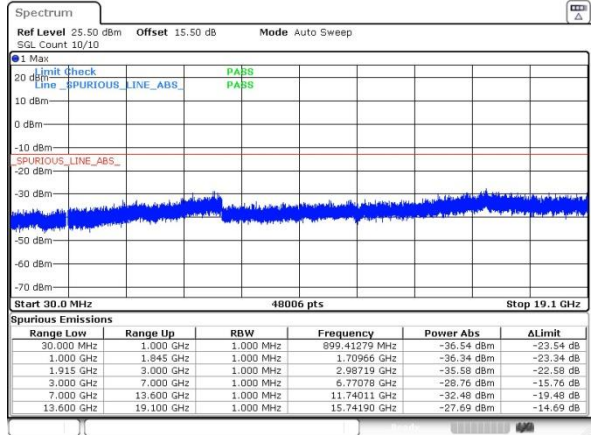
Lowest Channel



Date: 17.MAR.2021 14:52:31

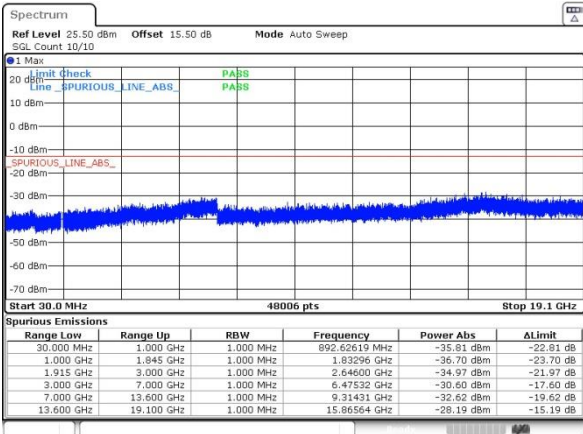
GSM1900 (EDGE 1 Tx Slots)

Lowest Channel



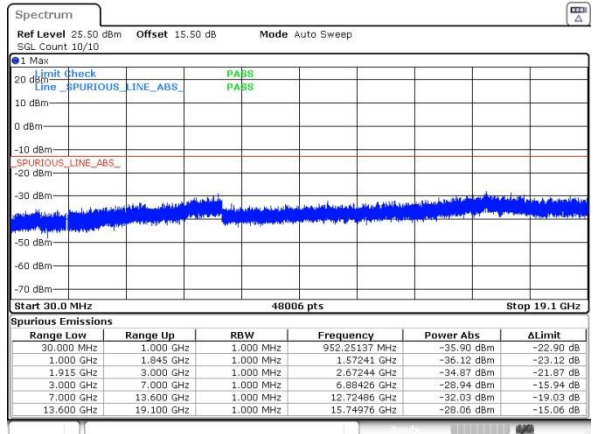
Date: 17.MAR.2021 15:15:45

Middle Channel



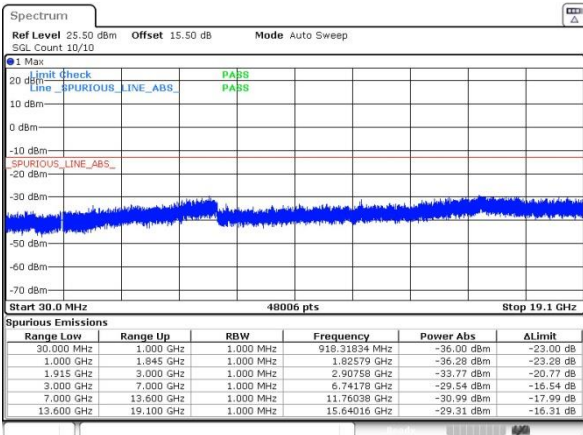
Date: 17.MAR.2021 14:53:55

Middle Channel



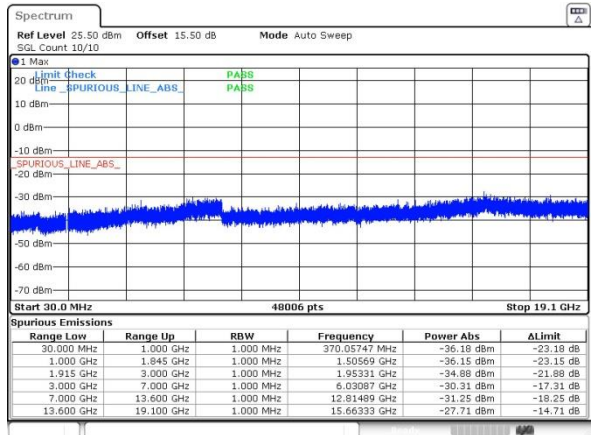
Date: 17.MAR.2021 15:17:09

Highest Channel



Date: 17.MAR.2021 14:55:21

Highest Channel



Date: 17.MAR.2021 15:18:51



Frequency Stability

Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	GSM850 (GSM)	GSM850 (EDGE 1 Tx Slots)	Limit 2.5ppm
		Deviation (ppm)		Result
50	Normal Voltage	0.0106	0.0234	PASS
40	Normal Voltage	0.0031	0.0169	
30	Normal Voltage	0.0132	0.0081	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0134	0.0133	
0	Normal Voltage	0.0065	0.0155	
-10	Normal Voltage	0.0132	0.0212	
-20	Normal Voltage	0.0164	0.0061	
-30	Normal Voltage	0.0137	0.0111	
20	Maximum Voltage	0.0091	0.0126	
20	Normal Voltage	0.0122	0.0208	
20	Battery End Point	0.0193	0.0031	

Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	GSM1900 (GSM)	GSM1900 (EDGE 1 Tx Slots)	Limit Note 2.
		Deviation (ppm)		Result
50	Normal Voltage	0.0054	0.0176	PASS
40	Normal Voltage	0.0016	0.0133	
30	Normal Voltage	0.0108	0.0022	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0137	0.0116	
0	Normal Voltage	0.0135	0.0137	
-10	Normal Voltage	0.0088	0.0175	
-20	Normal Voltage	0.0025	0.0128	
-30	Normal Voltage	0.0151	0.0114	
20	Maximum Voltage	0.0053	0.0016	
20	Normal Voltage	0.0010	0.0125	
20	Battery End Point	0.0134	0.0024	

Note:

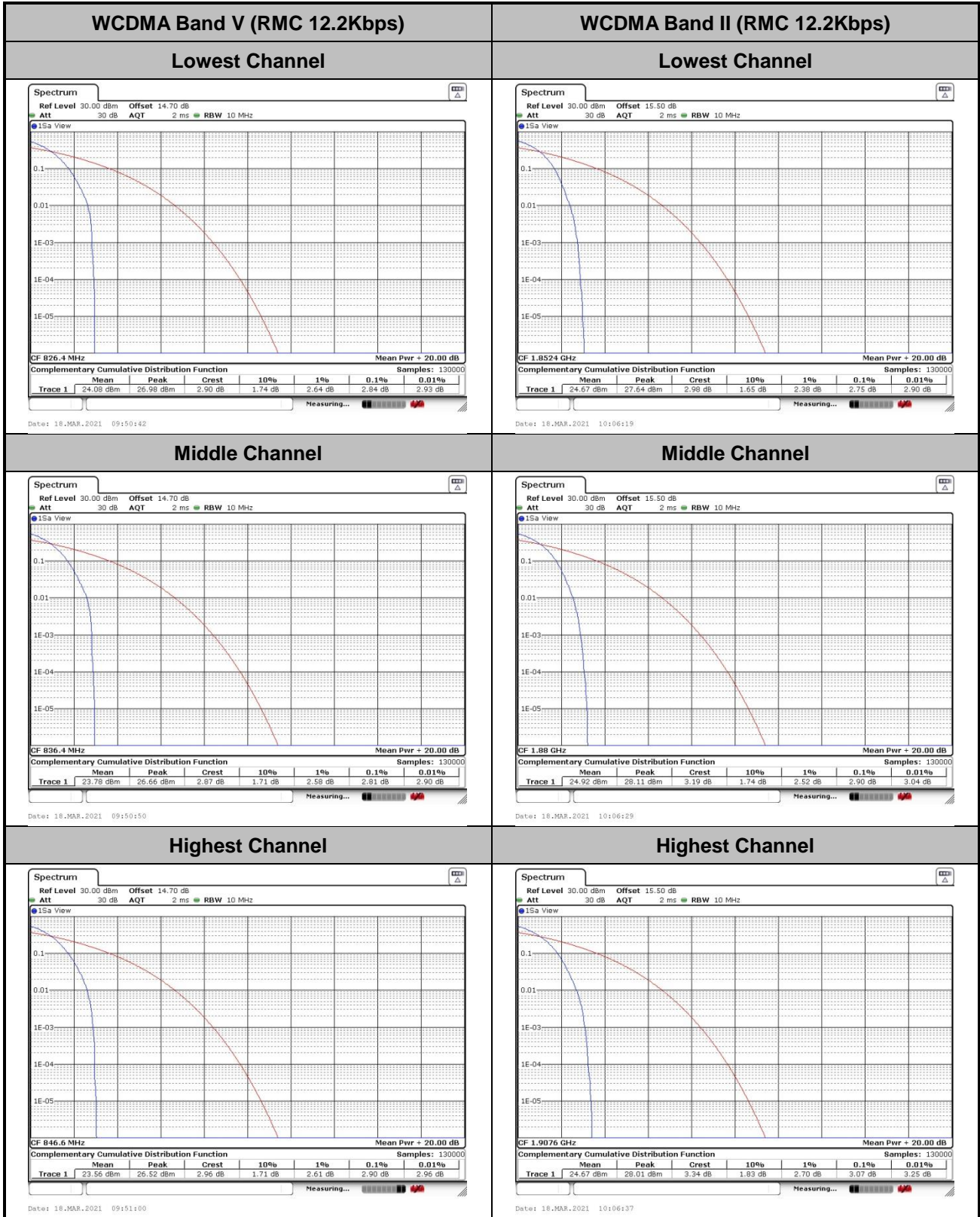
1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A2. WCDMA

Peak-to-Average Ratio

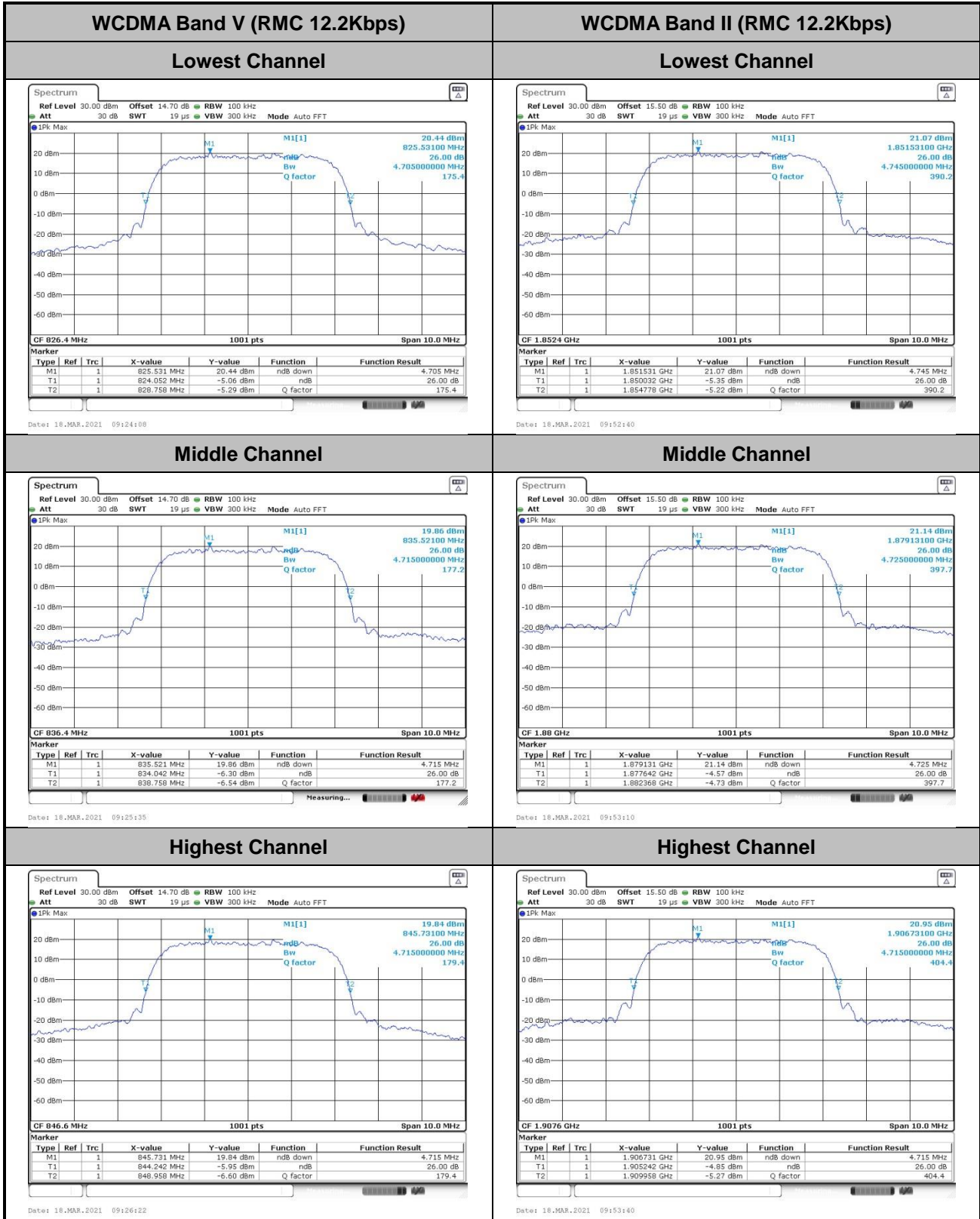
Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.84	2.75	PASS
Middle CH	2.81	2.90	
Highest CH	2.90	3.07	





26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.705	4.745
Middle CH	4.715	4.725
Highest CH	4.715	4.715





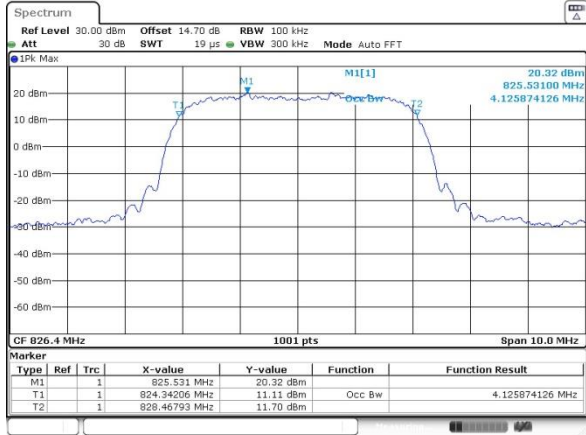
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.146
Middle CH	4.126	4.146
Highest CH	4.126	4.146



WCDMA Band V (RMC 12.2Kbps)

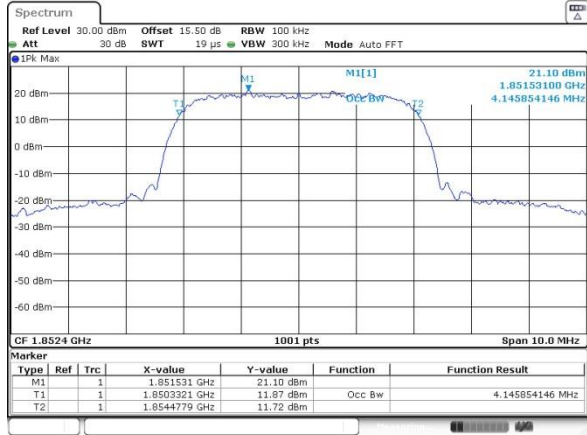
Lowest Channel



Date: 18.MAR.2021 09:28:52

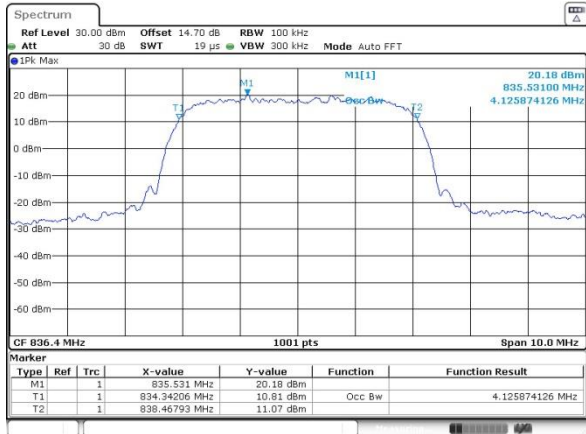
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



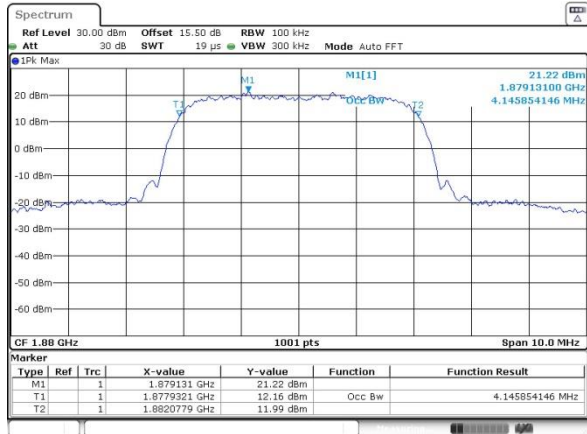
Date: 18.MAR.2021 09:56:10

Middle Channel



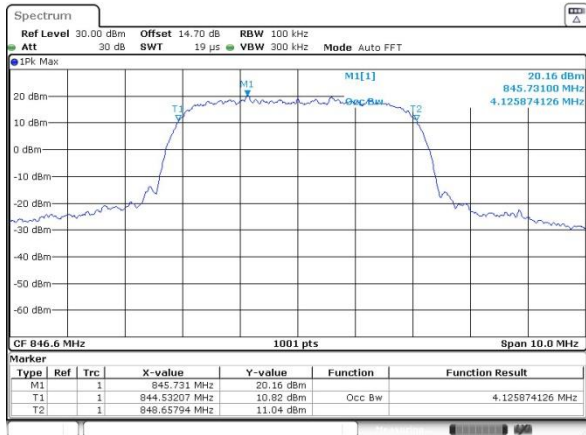
Date: 18.MAR.2021 09:29:22

Middle Channel



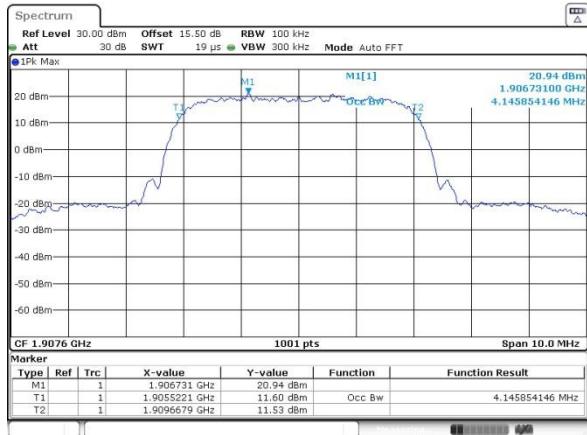
Date: 18.MAR.2021 09:56:44

Highest Channel



Date: 18.MAR.2021 09:29:52

Highest Channel



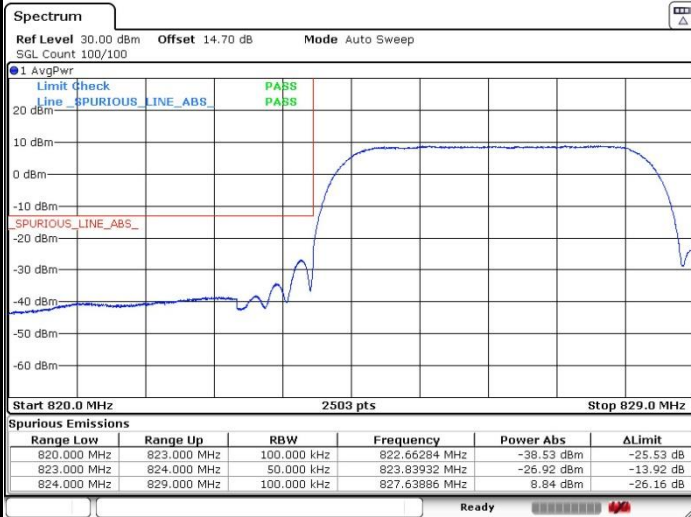
Date: 18.MAR.2021 09:57:14



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

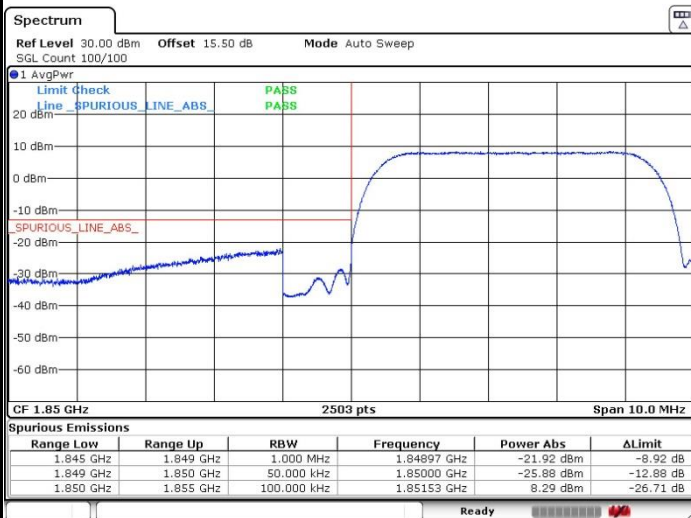


Highest Band Edge

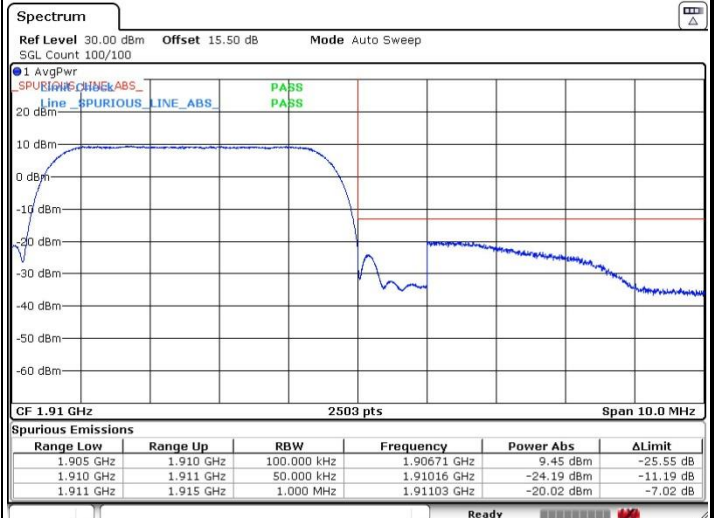


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

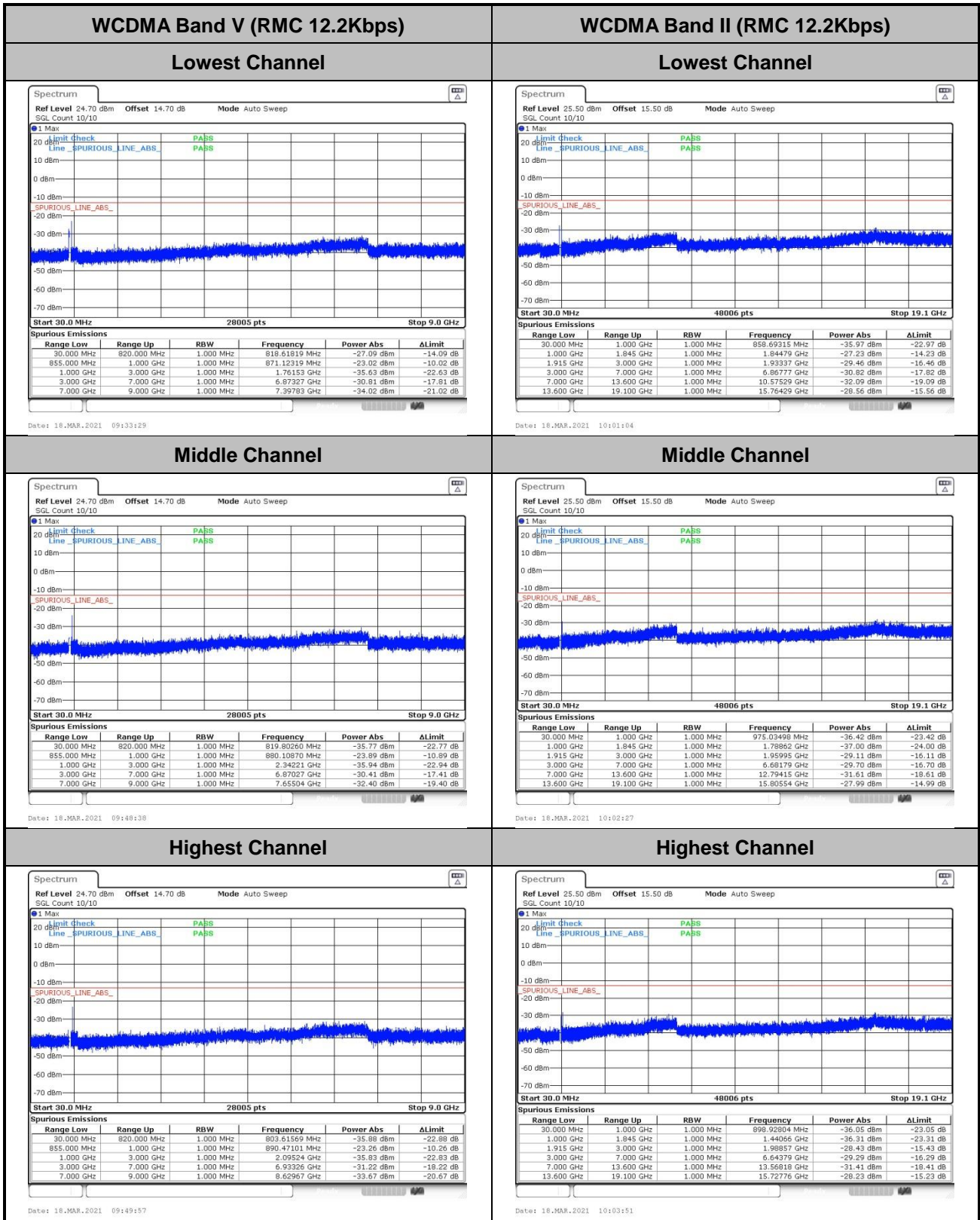


Highest Band Edge





Conducted Spurious Emission





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0085	PASS
40	Normal Voltage	0.0241	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0266	
0	Normal Voltage	0.0215	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0245	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0200	
20	Battery End Point	0.0215	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0128	
30	Normal Voltage	0.0121	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0139	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0165	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0082	
20	Battery End Point	0.0049	

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

For Ant. 1:

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	-54.93	-13	-41.93	-61.90	1.58	10.70	H
	2510	-47.85	-13	-34.85	-56.10	2.102	12.50	H
	3348	-60.06	-13	-47.06	-68.95	2.856	13.90	H
	1672	-54.37	-13	-41.37	-61.34	1.58	10.70	V
	2510	-42.14	-13	-29.14	-50.39	2.10	12.50	V
	3348	-59.78	-13	-46.78	-68.67	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	-58.80	-13	-45.80	-65.77	1.58	10.70	H
	2510	-49.02	-13	-36.02	-57.27	2.102	12.50	H
	3348	-60.14	-13	-47.14	-69.03	2.856	13.90	H
	1672	-56.15	-13	-43.15	-63.12	1.58	10.70	V
	2510	-41.64	-13	-28.64	-49.89	2.10	12.50	V
	3348	-60.04	-13	-47.04	-68.93	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	-57.85	-13	-44.85	-70.11	2.64	14.90	H
	5640	-55.38	-13	-42.38	-67.24	2.94	14.80	H
	7524	-53.35	-13	-40.35	-63.12	3.39	13.16	H
	3759	-57.55	-13	-44.55	-69.81	2.64	14.90	V
	5640	-56.12	-13	-43.12	-67.98	2.94	14.80	V
	7524	-53.37	-13	-40.37	-63.14	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	-57.49	-13	-44.49	-69.75	2.64	14.90	H
	5640	-54.91	-13	-41.91	-66.77	2.94	14.80	H
	7524	-53.27	-13	-40.27	-63.04	3.39	13.16	H
	3759	-57.60	-13	-44.60	-69.86	2.64	14.90	V
	5640	-55.94	-13	-42.94	-67.80	2.94	14.80	V
	7524	-53.55	-13	-40.55	-63.32	3.39	13.16	V

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

For Ant. 2:

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	-65.58	-13	-52.58	-72.55	1.58	10.70	H
	2510	-59.62	-13	-46.62	-67.87	2.102	12.50	H
	3348	-60.34	-13	-47.34	-69.23	2.856	13.90	H
	1672	-64.45	-13	-51.45	-71.42	1.58	10.70	V
	2510	-58.58	-13	-45.58	-66.83	2.10	12.50	V
	3348	-60.11	-13	-47.11	-69.00	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	-57.76	-13	-44.76	-70.02	2.64	14.90	H
	5640	-55.74	-13	-42.74	-67.60	2.94	14.80	H
	7524	-53.74	-13	-40.74	-63.51	3.39	13.16	H
	3759	-57.71	-13	-44.71	-69.97	2.64	14.90	V
	5640	-54.88	-13	-41.88	-66.74	2.94	14.80	V
	7524	-53.31	-13	-40.31	-63.08	3.39	13.16	V

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