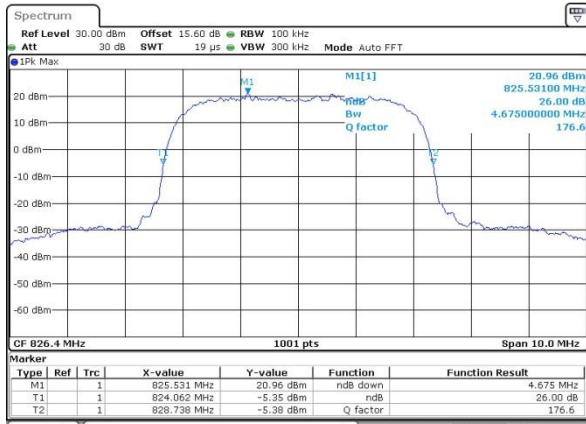




WCDMA Band V (RMC 12.2Kbps)

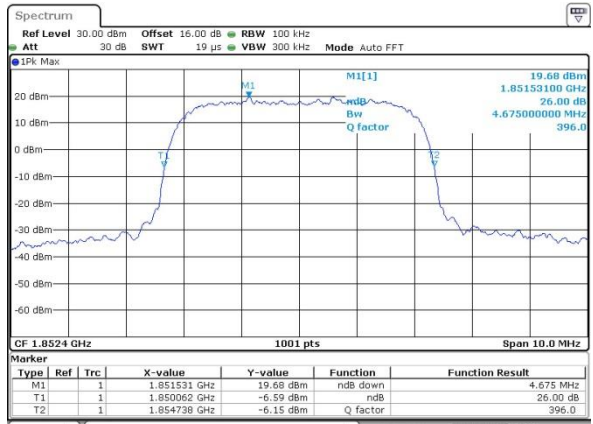
Lowest Channel



Date: 21 MAY 2021 15:47:22

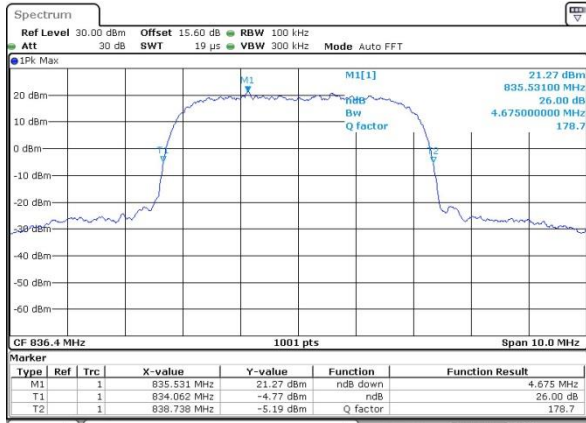
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



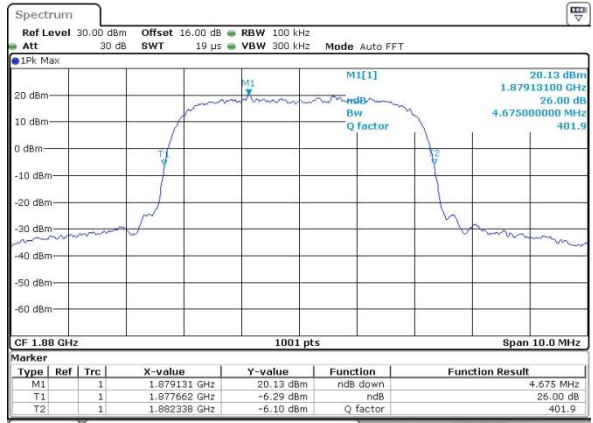
Date: 21 MAY 2021 16:08:09

Middle Channel



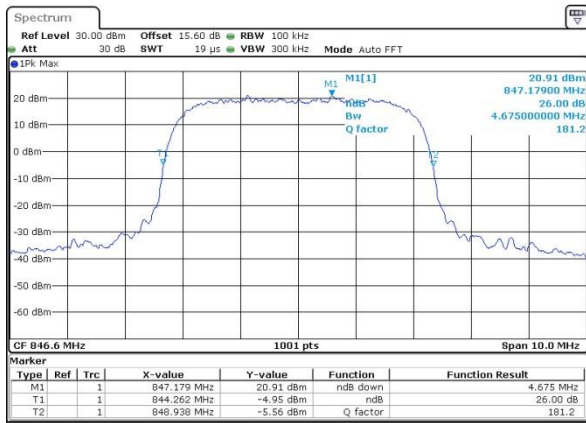
Date: 21 MAY 2021 15:47:59

Middle Channel



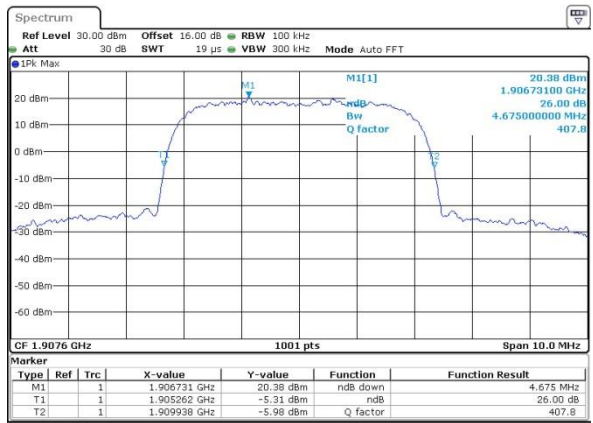
Date: 21 MAY 2021 16:08:45

Highest Channel

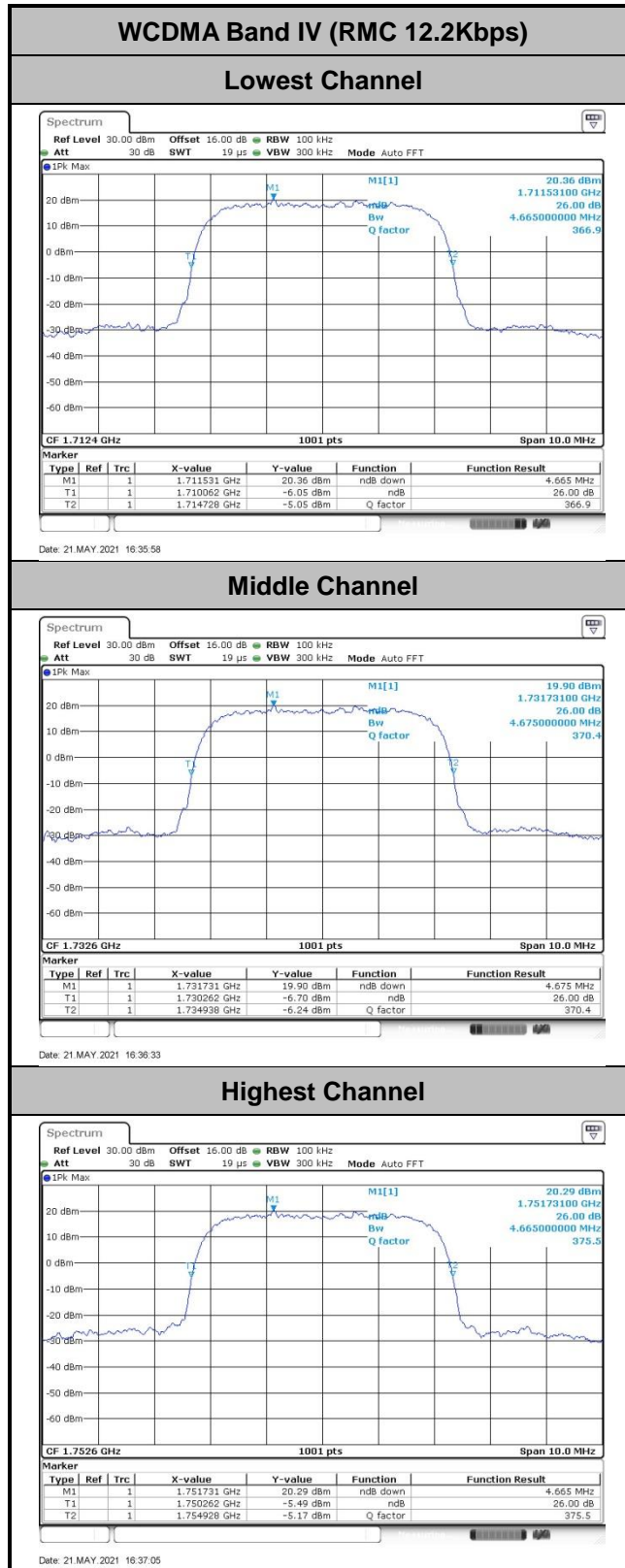


Date: 21 MAY 2021 15:48:44

Highest Channel



Date: 21 MAY 2021 16:09:21





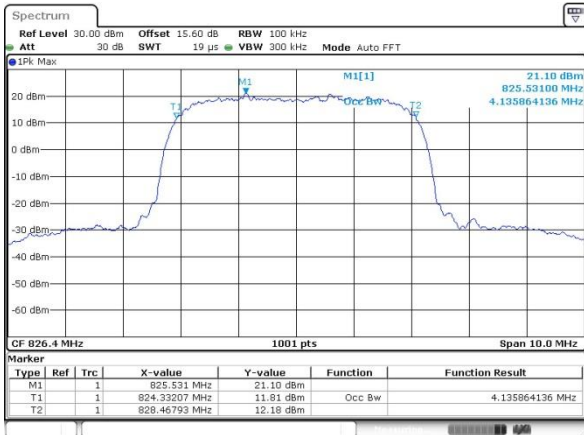
## Occupied Bandwidth

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.14	4.15	4.14
Middle CH	4.15	4.14	4.15
Highest CH	4.14	4.14	4.14



WCDMA Band V (RMC 12.2Kbps)

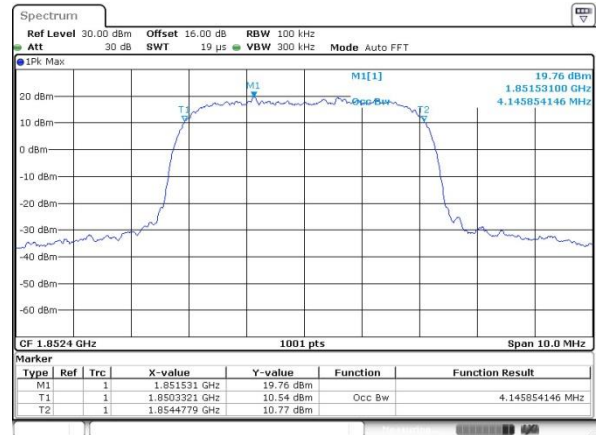
Lowest Channel



Date: 21 MAY 2021 15:49:24

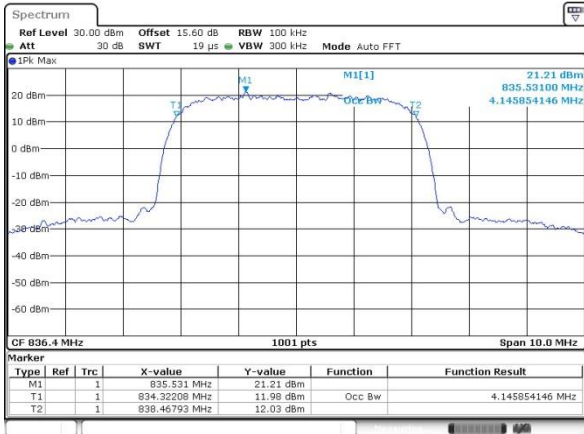
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



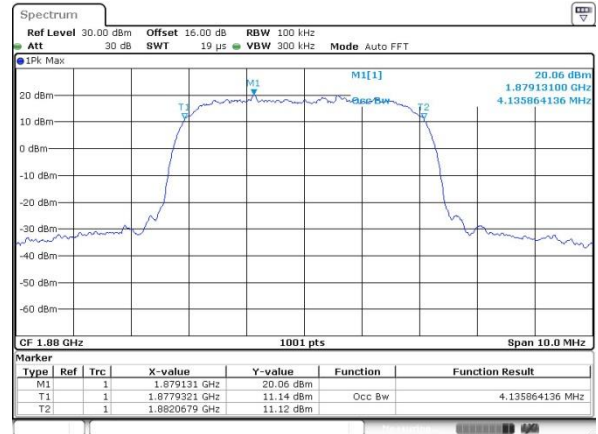
Date: 21 MAY 2021 16:10:03

Middle Channel



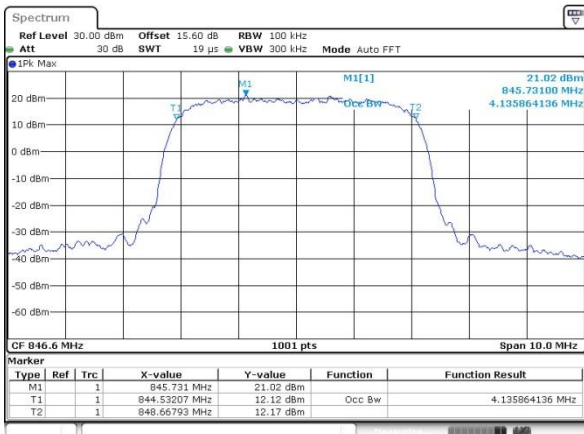
Date: 21 MAY 2021 15:50:00

Middle Channel



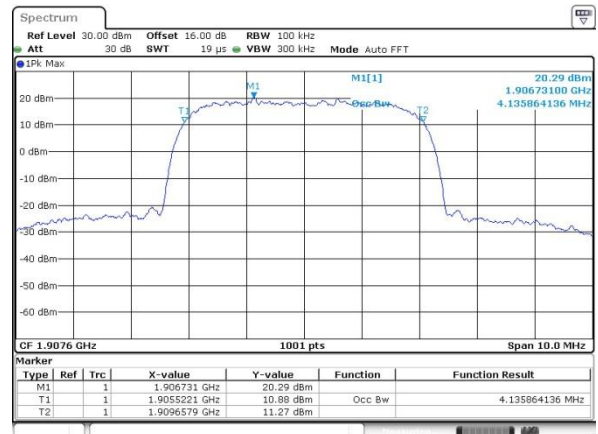
Date: 21 MAY 2021 16:10:36

Highest Channel

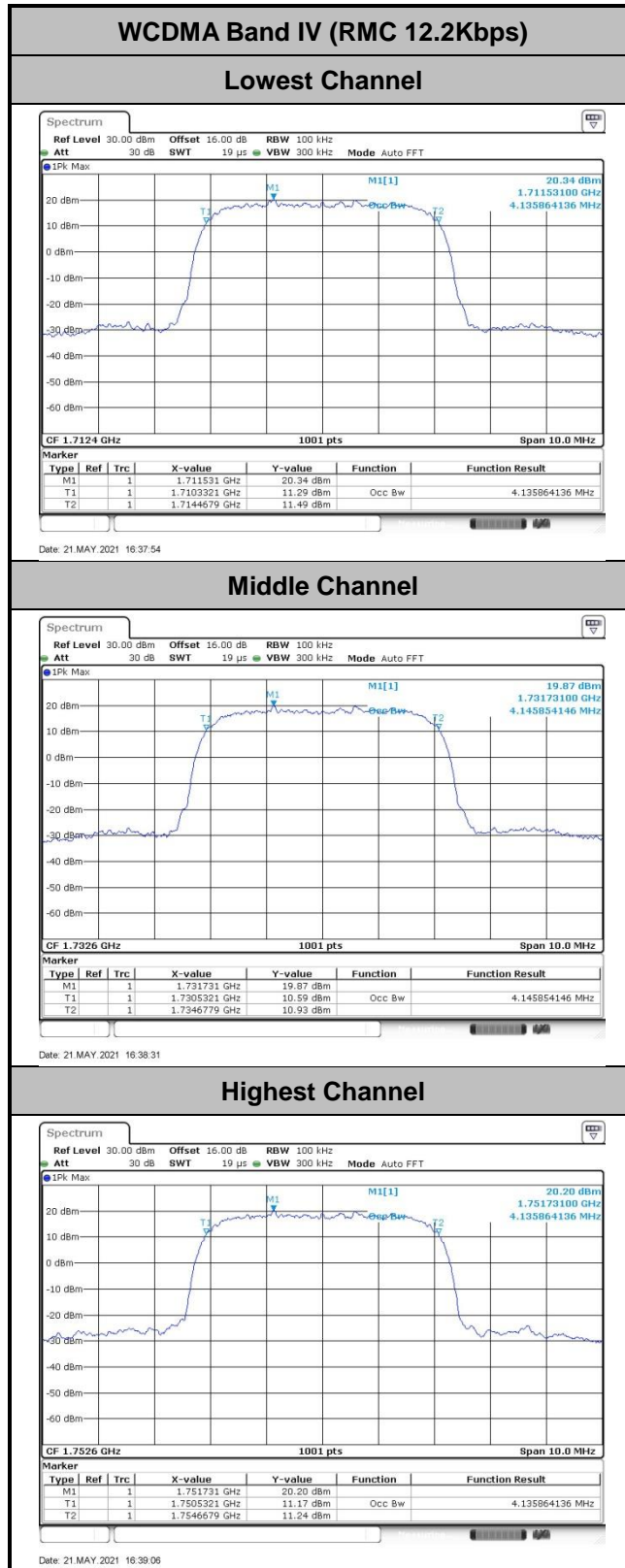


Date: 21 MAY 2021 15:50:37

Highest Channel



Date: 21 MAY 2021 16:11:08



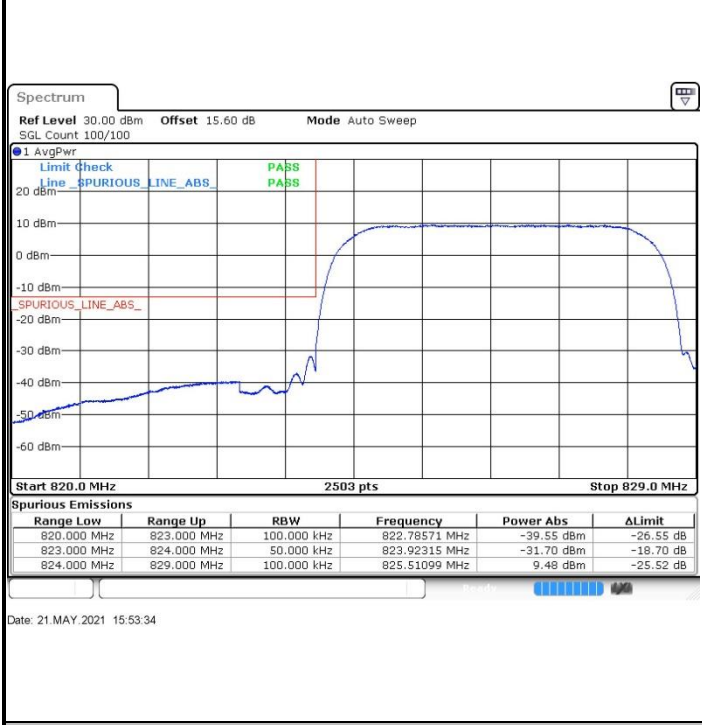


## Conducted Band Edge



**WCDMA Band V (RMC 12.2Kbps)**

**Lowest Band Edge**

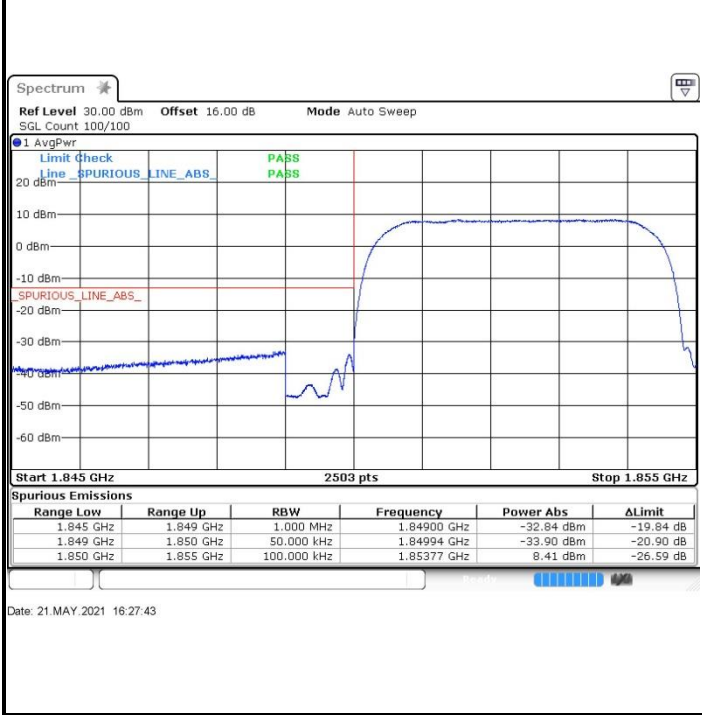


**Highest Band Edge**

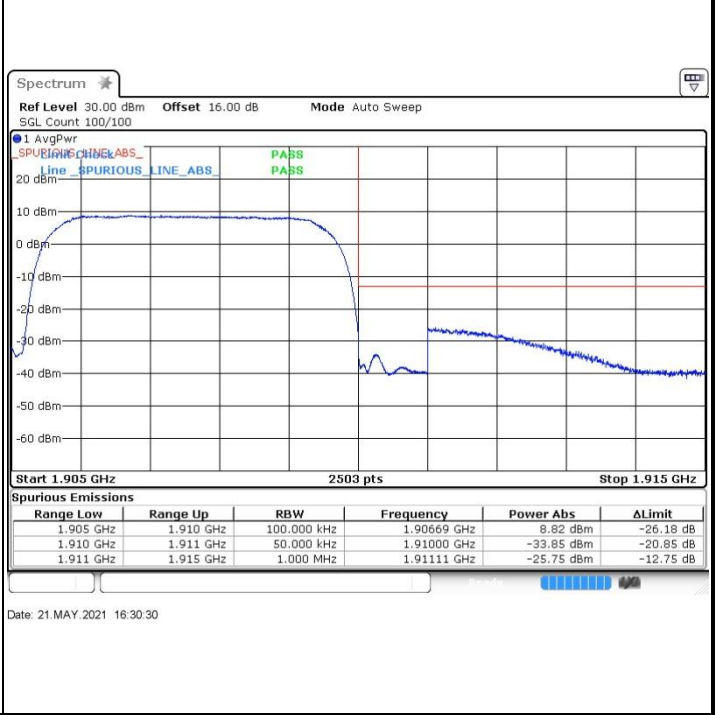


**WCDMA Band II (RMC 12.2Kbps)**

**Lowest Band Edge**



**Highest Band Edge**

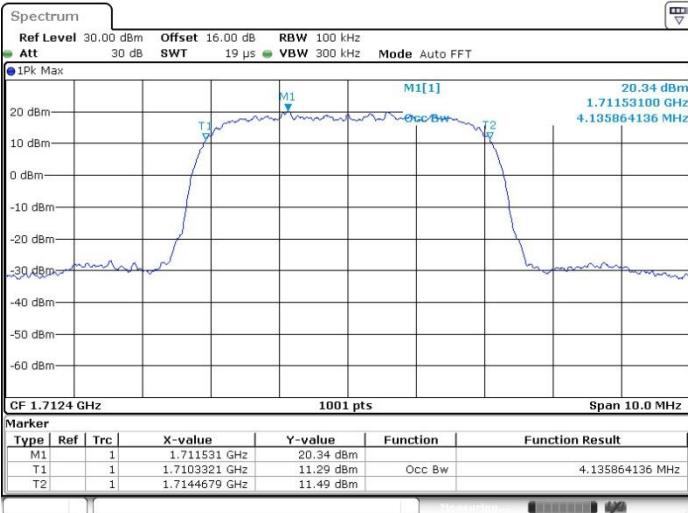




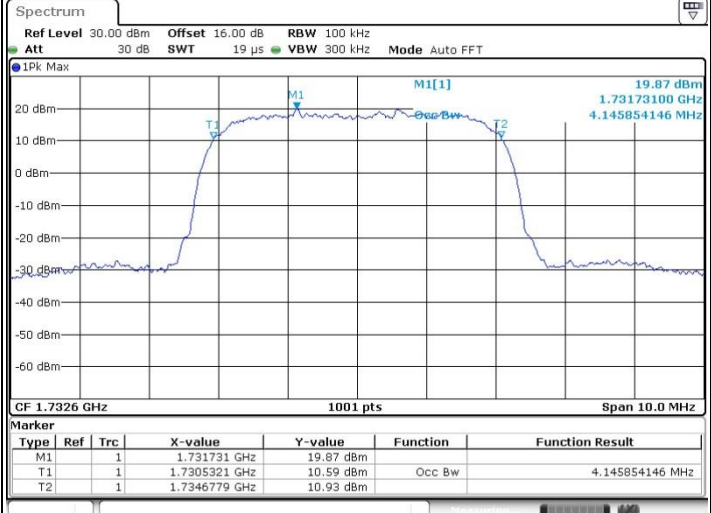
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 21.MAY.2021 16:37:54



Date: 21.MAY.2021 16:38:31



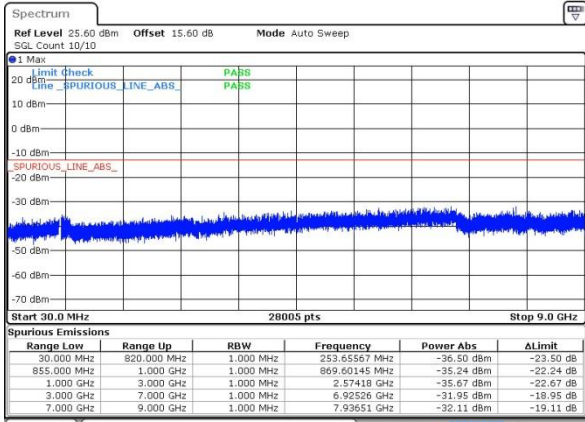


**Conducted Spurious Emission**



WCDMA Band V (RMC 12.2Kbps)

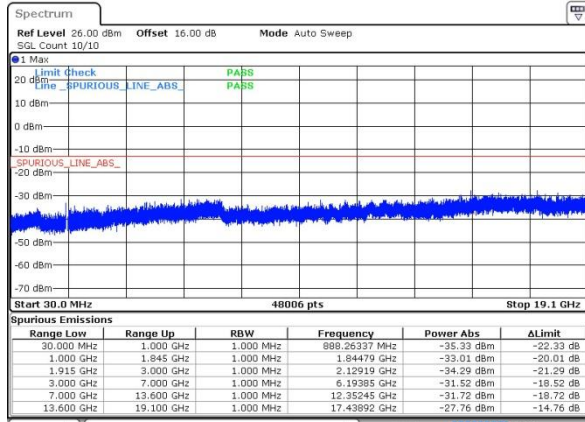
Lowest Channel



Date: 21 MAY 2021 15:57:47

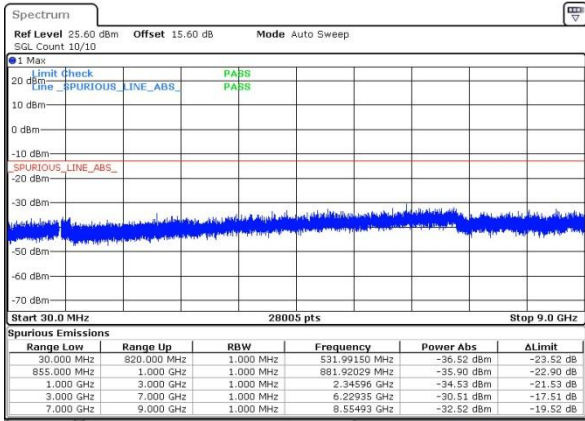
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



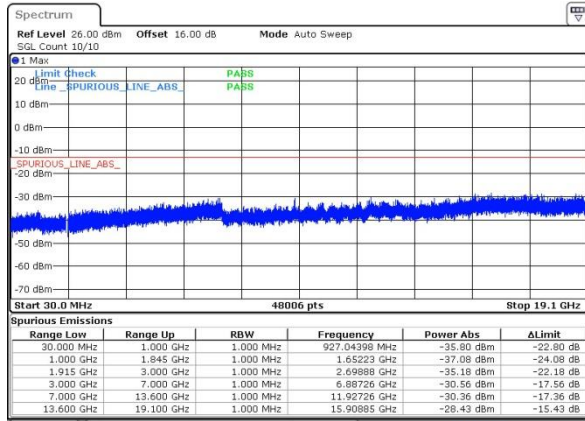
Date: 21 MAY 2021 16:20:19

Middle Channel



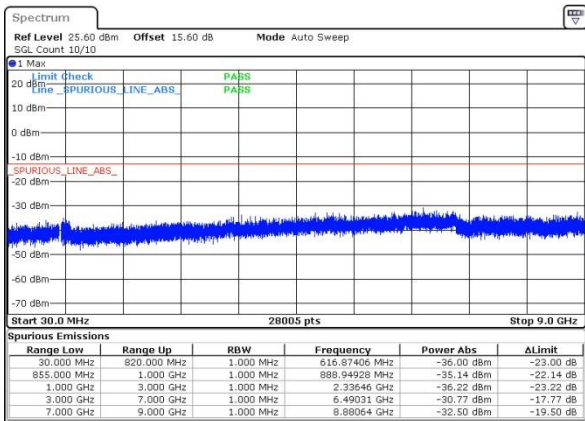
Date: 21 MAY 2021 15:58:08

Middle Channel



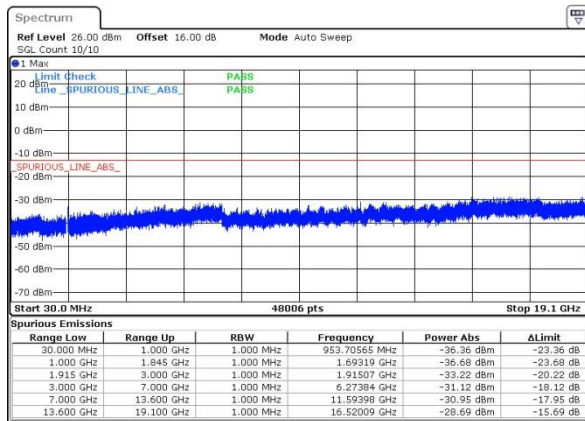
Date: 21 MAY 2021 16:21:44

Highest Channel



Date: 21 MAY 2021 16:00:41

Highest Channel

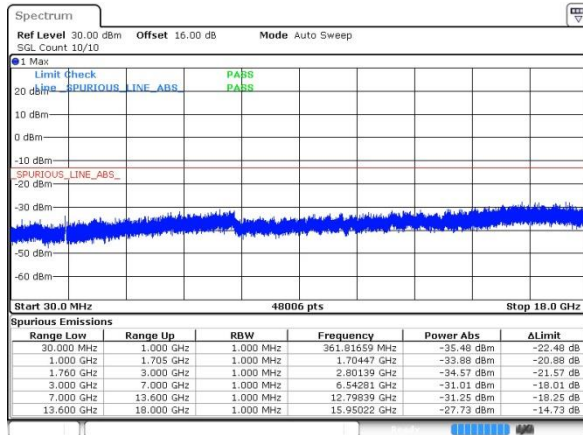


Date: 21 MAY 2021 16:23:05



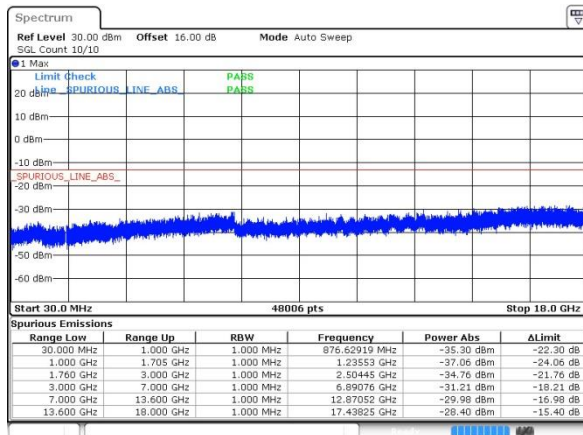
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



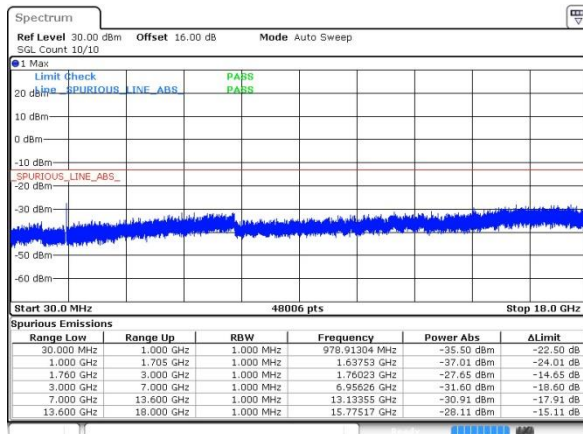
Date: 21.MAY.2021 16:49:16

Middle Channel



Date: 21.MAY.2021 16:50:37

Highest Channel



Date: 21.MAY.2021 16:51:57



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	0.0078	PASS
40	Normal Voltage	0.0250	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0234	
20	Battery End Point	0.0261	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.011	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.015	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0102	
-20	Normal Voltage	0.0108	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0076	
20	Battery End Point	0.0032	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0035	

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; 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	-58.53	-13	-45.53	-65.50	1.58	10.70	H
	2510	-59.92	-13	-46.92	-68.17	2.10	12.50	H
	3348	-59.60	-13	-46.60	-68.49	2.86	13.90	H
	1672	-58.38	-13	-45.38	-65.35	1.58	10.70	V
	2510	-59.29	-13	-46.29	-67.54	2.10	12.50	V
	3348	-57.95	-13	-44.95	-66.84	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	-58.53	-13	-45.53	-65.50	1.58	10.70	H
	2510	-59.37	-13	-46.37	-67.62	2.10	12.50	H
	3348	-59.98	-13	-46.98	-68.87	2.86	13.90	H
	1672	-57.40	-13	-44.40	-64.37	1.58	10.70	V
	2510	-57.59	-13	-44.59	-65.84	2.10	12.50	V
	3348	-59.46	-13	-46.46	-68.35	2.86	13.90	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	1670	-63.05	-13	-50.05	-70.02	1.58	10.70	H
	2504	-60.30	-13	-47.30	-68.55	2.102	12.50	H
	3336	-59.59	-13	-46.59	-68.48	2.856	13.90	H
	1670	-60.19	-13	-47.19	-67.16	1.58	10.70	V
	2504	-59.09	-13	-46.09	-67.34	2.10	12.50	V
	3336	-59.44	-13	-46.44	-68.33	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	-56.73	-13	-43.73	-68.99	2.64	14.90	H
	5640	-54.94	-13	-41.94	-66.80	2.94	14.80	H
	7524	-52.95	-13	-39.95	-62.72	3.39	13.16	H
	3759	-56.45	-13	-43.45	-68.71	2.64	14.90	V
	5640	-55.25	-13	-42.25	-67.11	2.94	14.80	V
	7524	-52.76	-13	-39.76	-62.53	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	-56.85	-13	-43.85	-69.11	2.64	14.90	H
	5640	-54.93	-13	-41.93	-66.79	2.94	14.80	H
	7524	-52.97	-13	-39.97	-62.74	3.39	13.16	H
	3759	-56.71	-13	-43.71	-68.97	2.64	14.90	V
	5640	-55.33	-13	-42.33	-67.19	2.94	14.80	V
	7524	-53.11	-13	-40.11	-62.88	3.39	13.16	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	-55.11	-13	-42.11	-67.37	2.64	14.90	H
	5640	-54.85	-13	-41.85	-66.71	2.94	14.80	H
	7524	-52.64	-13	-39.64	-62.41	3.39	13.16	H
	3759	-54.60	-13	-41.60	-66.86	2.64	14.90	V
	5640	-54.93	-13	-41.93	-66.79	2.94	14.80	V
	7524	-51.90	-13	-38.90	-61.67	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	3462	-55.36	-13	-42.36	-66.10	2.604	13.34	H
	5199	-53.96	-13	-40.96	-64.47	3.011	13.52	H
	6936	-53.95	-13	-40.95	-64.15	3.271	13.47	H
	3465	-54.95	-13	-41.95	-65.69	2.604	13.34	V
	5199	-52.77	-13	-39.77	-63.28	3.011	13.52	V
	6936	-53.85	-13	-40.85	-64.05	3.271	13.47	V

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