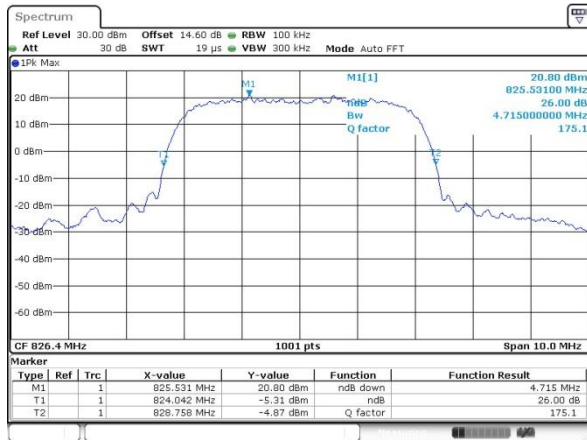




WCDMA Band V (RMC 12.2Kbps)

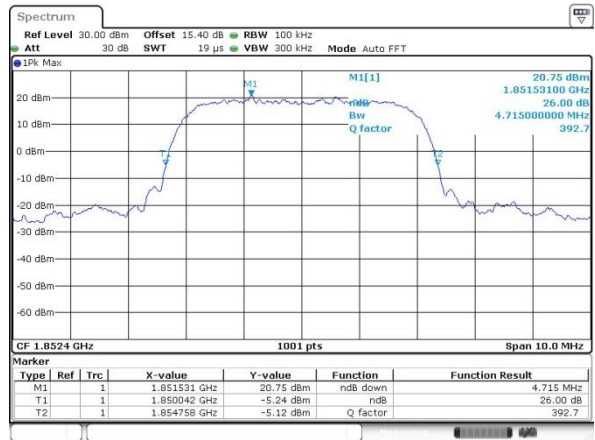
Lowest Channel



Date: 6 NOV 2021 09:13:49

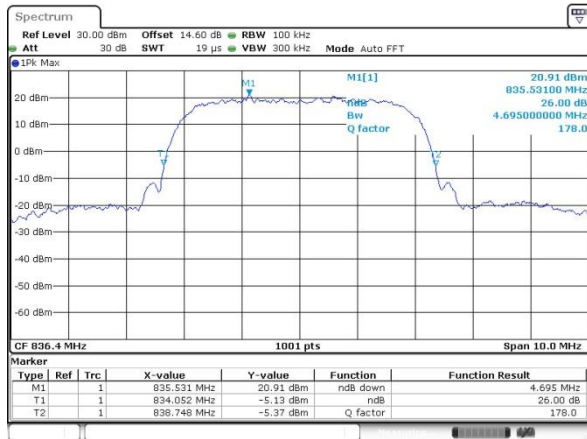
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



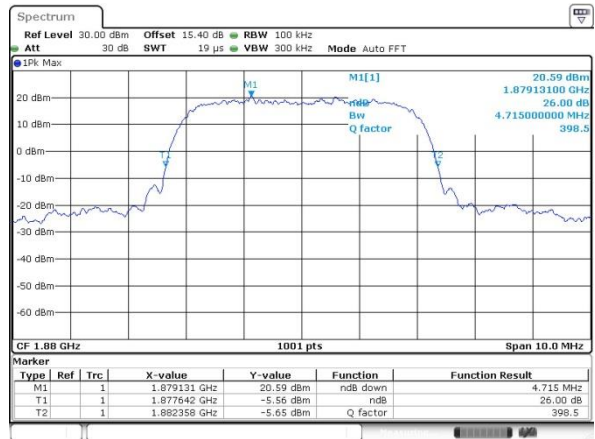
Date: 6 NOV 2021 09:33:28

Middle Channel



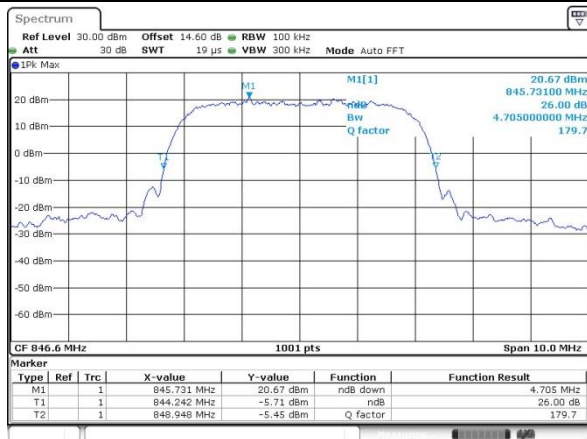
Date: 6 NOV 2021 09:14:15

Middle Channel



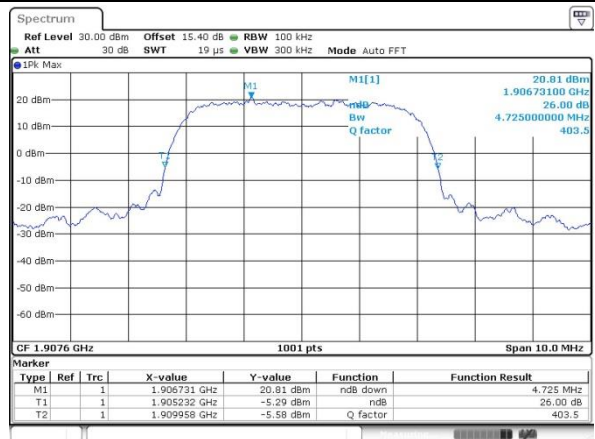
Date: 6 NOV 2021 09:33:58

Highest Channel



Date: 6 NOV 2021 09:14:38

Highest Channel

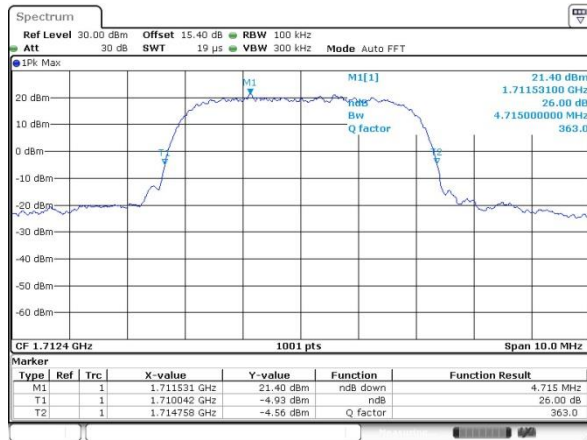


Date: 6 NOV 2021 09:34:27

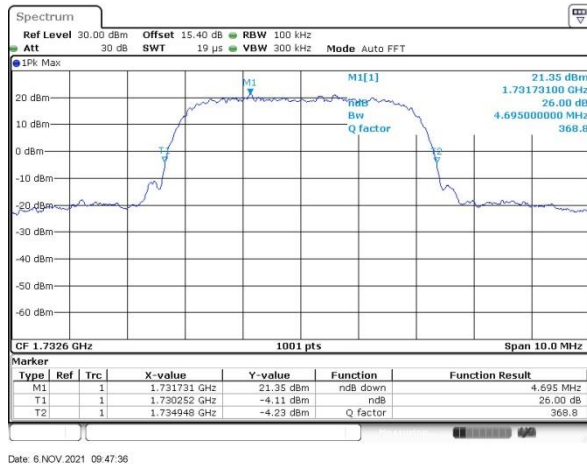


WCDMA Band IV (RMC 12.2Kbps)

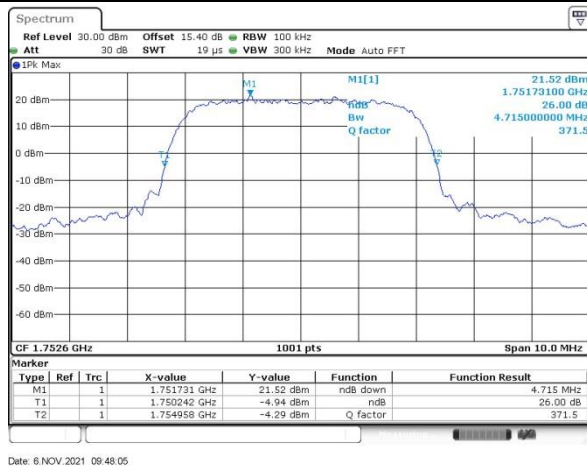
Lowest Channel



Middle Channel



Highest Channel



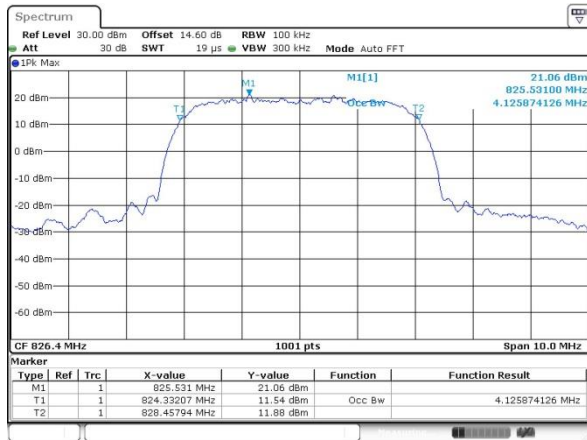
**Occupied Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.13	4.15	4.13
Middle CH	4.13	4.14	4.13
Highest CH	4.13	4.14	4.12



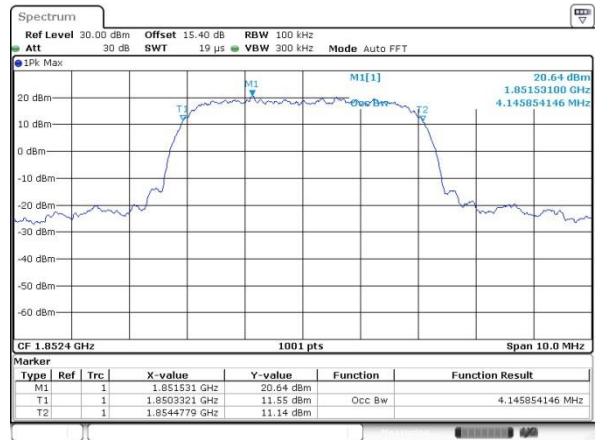
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

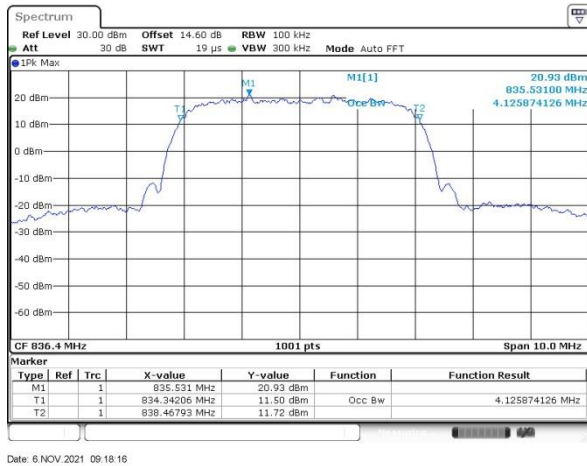


WCDMA Band II (RMC 12.2Kbps)

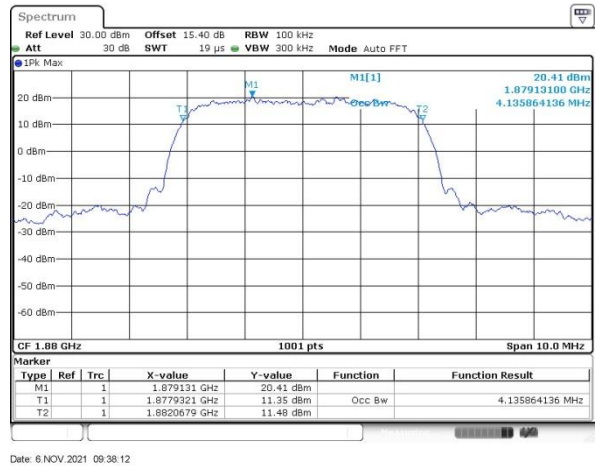
Lowest Channel



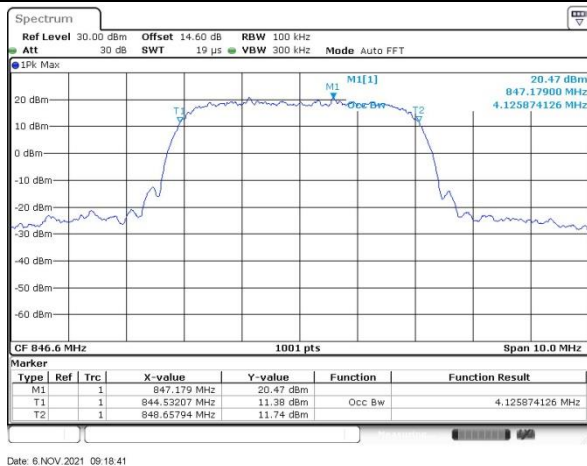
Middle Channel



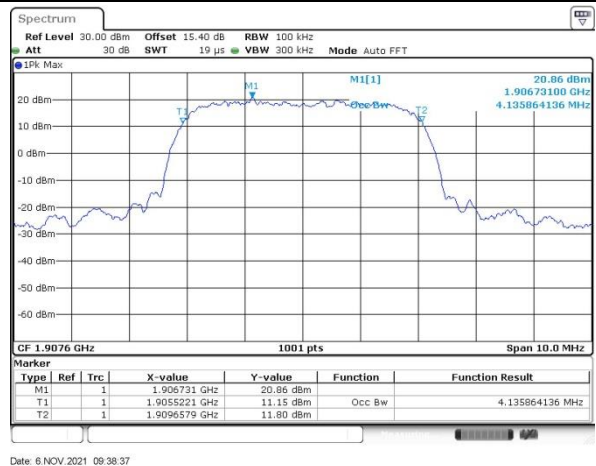
Middle Channel



Highest Channel



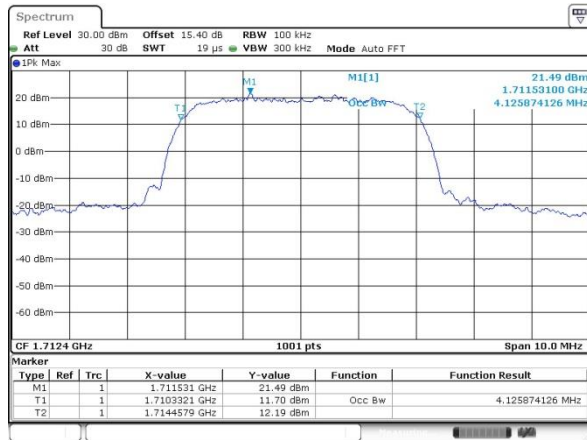
Highest Channel



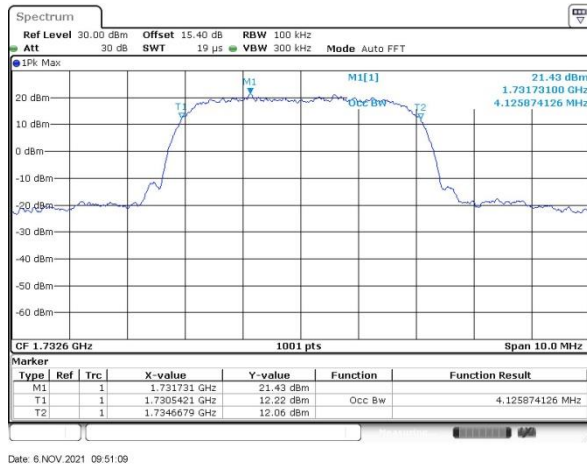


WCDMA Band IV (RMC 12.2Kbps)

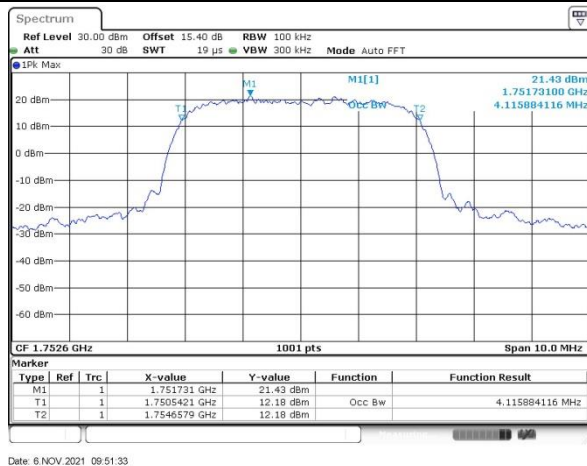
Lowest Channel



Middle Channel



Highest Channel

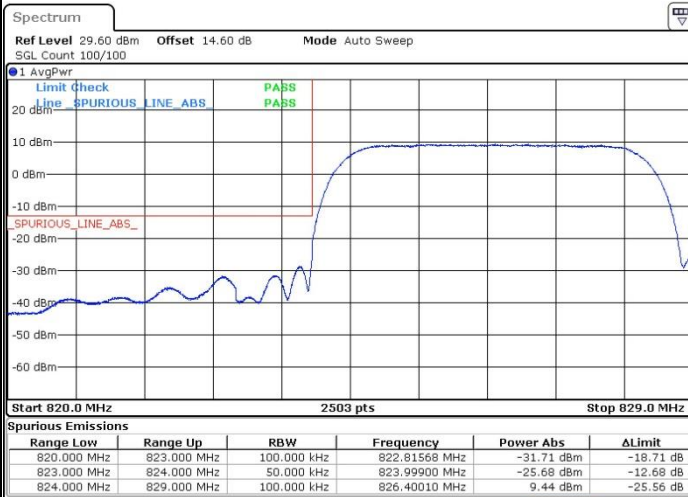




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 6 NOV. 2021 09:19:30

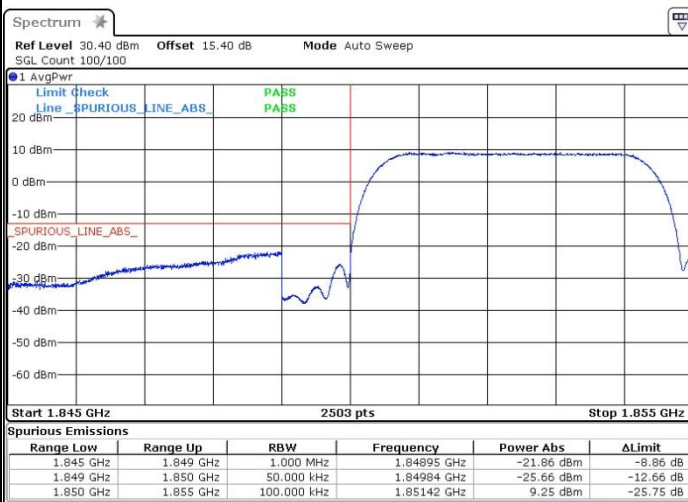
Highest Band Edge



Date: 6 NOV. 2021 09:20:12

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 6 NOV. 2021 09:39:25

Highest Band Edge

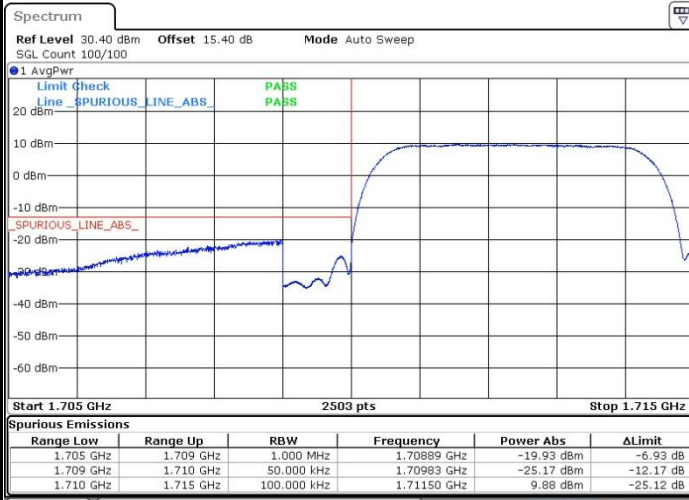


Date: 6 NOV. 2021 09:40:09



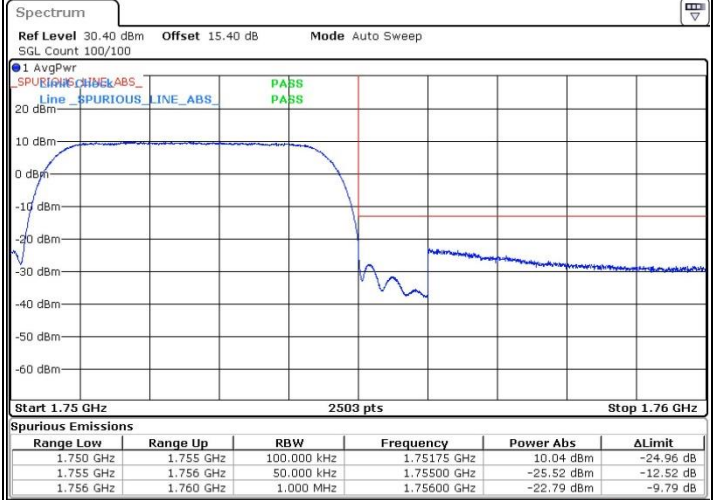
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 6 NOV 2021 09:52:37

Highest Band Edge



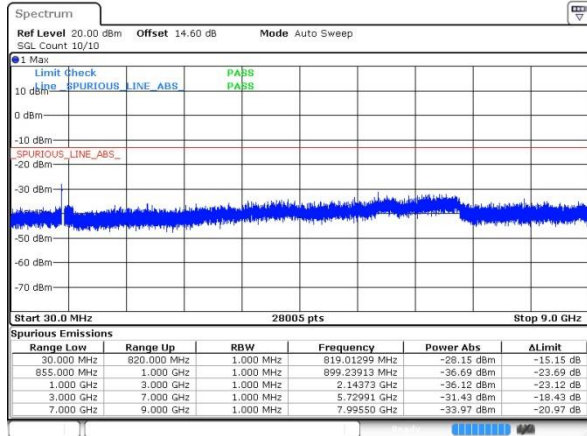
Date: 6 NOV 2021 09:53:27



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

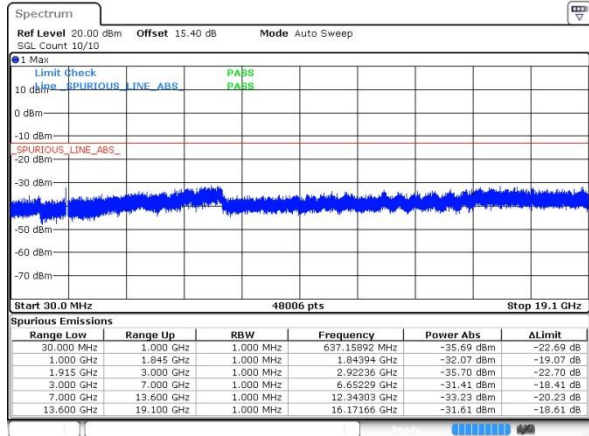
Lowest Channel



Date: 6 NOV 2021 09:21:08

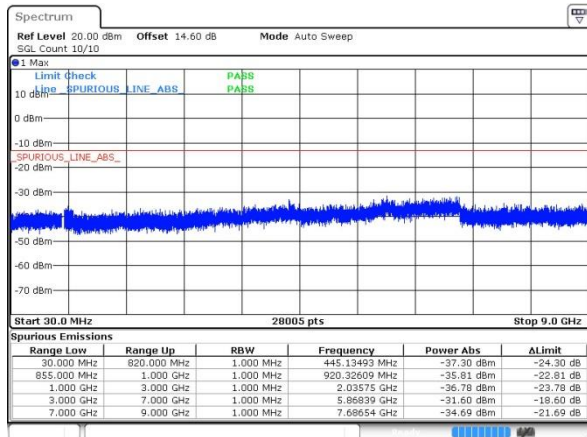
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



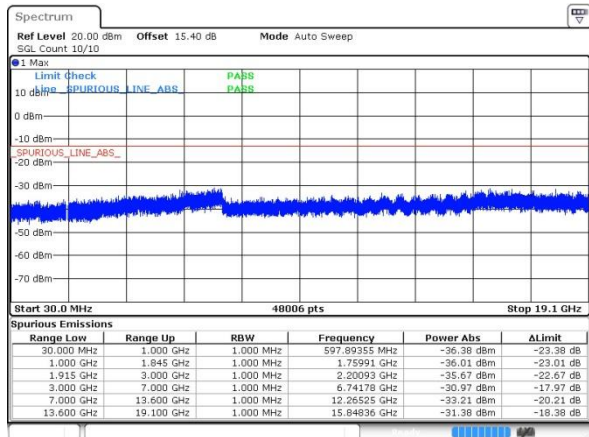
Date: 6 NOV 2021 09:42:23

Middle Channel



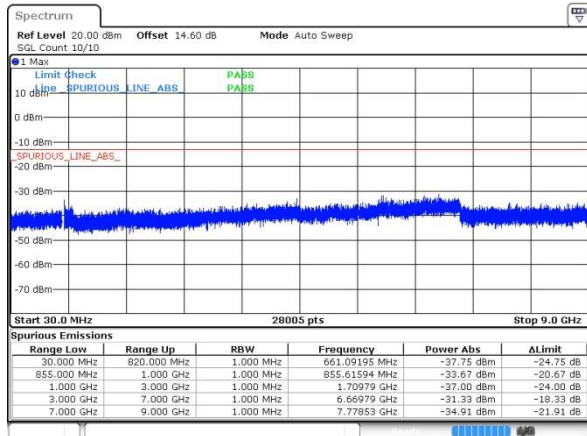
Date: 6 NOV 2021 09:21:34

Middle Channel



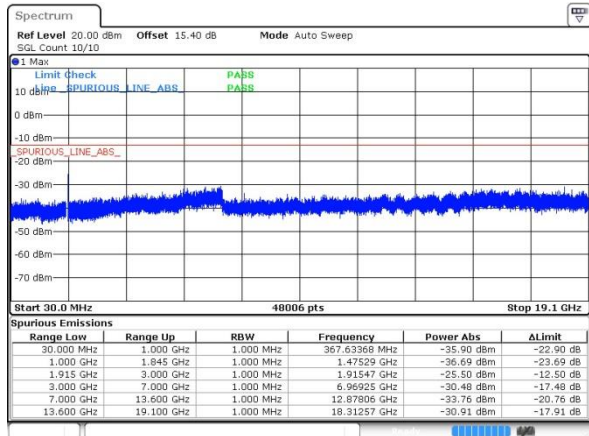
Date: 6 NOV 2021 09:43:10

Highest Channel



Date: 6 NOV 2021 09:22:47

Highest Channel

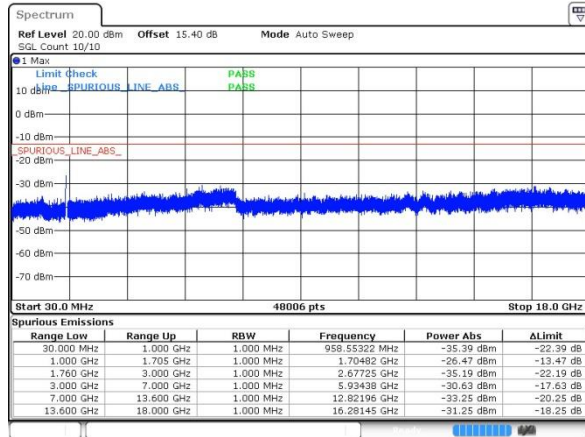


Date: 6 NOV 2021 09:43:36

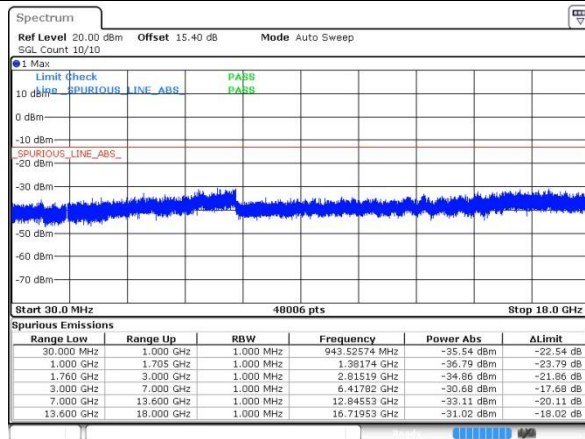


WCDMA Band IV (RMC 12.2Kbps)

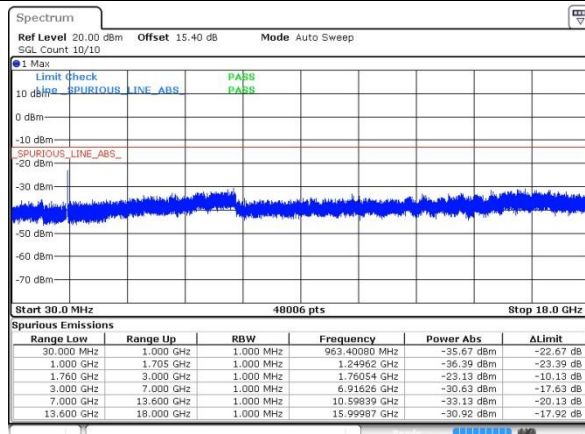
Lowest Channel



Middle 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	0.0072	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

Note: Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.2V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.2V
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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0042	PASS
40	Normal Voltage	0.0148	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0176	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0114	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.2V
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

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

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	-53.30	-13	-40.30	-60.27	1.58	10.70	H
	2510	-19.11	-13	-6.11	-27.36	2.10	12.50	H
	3348	-52.33	-13	-39.33	-61.22	2.86	13.90	H
	4182	-29.84	-13	-16.84	-38.30	2.69	13.30	H
	5016	-53.68	-13	-40.68	-61.44	3.09	13.00	H
	5856	-32.57	-13	-19.57	-41.34	3.18	14.10	H
	6690	-59.23	-13	-46.23	-66.47	3.31	12.70	H
	7530	-44.91	-13	-31.91	-52.50	3.41	13.15	H
	1672	-53.68	-13	-40.68	-60.65	1.58	10.70	V
	2510	-20.89	-13	-7.89	-29.14	2.10	12.50	V
	3348	-56.16	-13	-43.16	-65.05	2.86	13.90	V
	4182	-33.39	-13	-20.39	-41.85	2.69	13.30	V
	5016	-57.70	-13	-44.70	-65.46	3.09	13.00	V
	5856	-40.75	-13	-27.75	-49.52	3.18	14.10	V
	6690	-59.37	-13	-46.37	-66.61	3.31	12.70	V
	7530	-43.39	-13	-30.39	-50.98	3.41	13.15	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	-59.41	-13	-46.41	-66.38	1.58	10.70	H
	2510	-19.13	-13	-6.13	-27.38	2.102	12.50	H
	3342	-60.30	-13	-47.30	-69.19	2.856	13.90	H
	4182	-39.08	-13	-26.08	-47.54	2.689	13.30	H
	5016	-56.80	-13	-43.80	-64.56	3.093	13.00	H
	5856	-48.40	-13	-35.40	-57.17	3.178	14.10	H
	6690	-59.47	-13	-46.47	-66.71	3.306	12.70	H
	7530	-55.73	-13	-42.73	-63.32	3.406	13.15	H
	1672	-55.92	-13	-42.92	-62.89	1.58	10.70	V
	2508	-20.52	-13	-7.52	-28.77	2.10	12.50	V
	3348	-56.36	-13	-43.36	-65.25	2.86	13.90	V
	4182	-33.97	-13	-20.97	-42.43	2.69	13.30	V
	5016	-59.22	-13	-46.22	-66.98	3.09	13.00	V
	5856	-40.18	-13	-27.18	-48.95	3.18	14.10	V
	6690	-59.56	-13	-46.56	-66.80	3.31	12.70	V
	7530	-46.16	-13	-33.16	-53.75	3.41	13.15	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	-54.84	-13	-41.84	-67.10	2.641	14.90	H
	5640	-57.22	-13	-44.22	-69.08	2.94	14.80	H
	7524	-54.55	-13	-41.55	-64.32	3.39	13.16	H
	9396	-48.06	-13	-35.06	-58.54	4.00	14.48	H
	3759	-51.50	-13	-38.50	-63.76	2.64	14.90	V
	5640	-57.73	-13	-44.73	-69.59	2.94	14.80	V
	7524	-54.68	-13	-41.68	-64.45	3.39	13.16	V
	9396	-52.46	-13	-39.46	-62.94	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	-50.96	-13	-37.96	-63.22	2.641	14.90	H
	5640	-54.98	-13	-41.98	-66.84	2.94	14.80	H
	7524	-54.49	-13	-41.49	-64.26	3.39	13.16	H
	3759	-50.21	-13	-37.21	-62.47	2.64	14.90	V
	5640	-53.25	-13	-40.25	-65.11	2.94	14.80	V
	7524	-53.85	-13	-40.85	-63.62	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	-66.26	-13	-53.26	-73.23	1.58	10.70	H
	2510	-61.64	-13	-48.64	-69.89	2.102	12.50	H
	3348	-61.71	-13	-48.71	-70.60	2.856	13.90	H
	1672	-65.34	-13	-52.34	-72.31	1.58	10.70	V
	2510	-60.95	-13	-47.95	-69.20	2.10	12.50	V
	3348	-61.75	-13	-48.75	-70.64	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	-57.85	-13	-44.85	-70.11	2.64	14.90	H
	5640	-57.06	-13	-44.06	-68.92	2.94	14.80	H
	7524	-54.29	-13	-41.29	-64.06	3.39	13.16	H
	3759	-57.45	-13	-44.45	-69.71	2.64	14.90	V
	5640	-57.66	-13	-44.66	-69.52	2.94	14.80	V
	7524	-54.16	-13	-41.16	-63.93	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	-60.03	-13	-47.03	-70.77	2.604	13.34	H
	5199	-57.53	-13	-44.53	-68.04	3.011	13.52	H
	6936	-55.98	-13	-42.98	-66.18	3.271	13.47	H
	3465	-60.14	-13	-47.14	-70.88	2.604	13.34	V
	5199	-57.41	-13	-44.41	-67.92	3.011	13.52	V
	6936	-56.01	-13	-43.01	-66.21	3.271	13.47	V

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