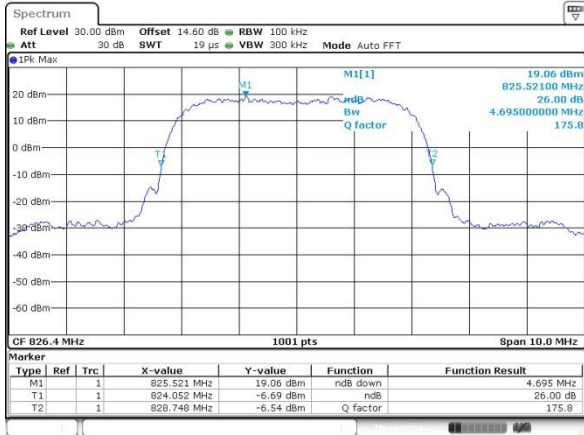




WCDMA Band V (RMC 12.2Kbps)

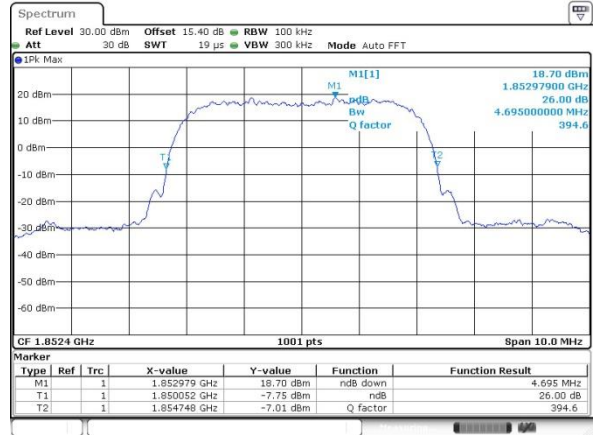
Lowest Channel



Date: 9 JUL 2022 19:27:46

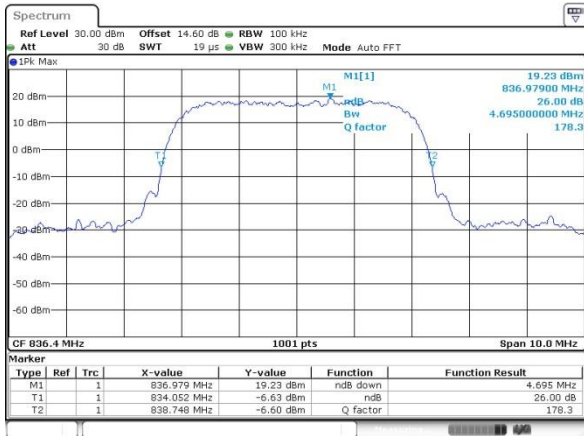
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



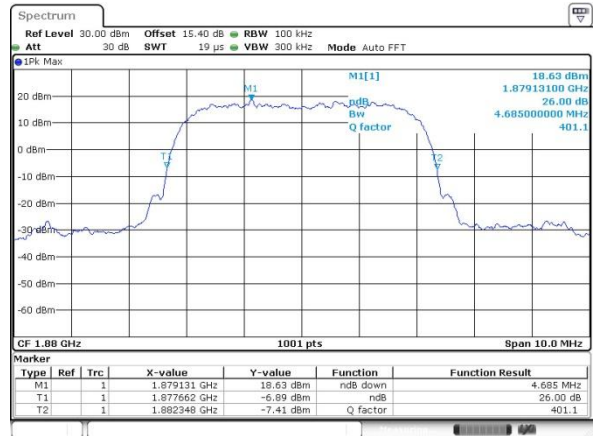
Date: 9 JUL 2022 18:39:43

Middle Channel



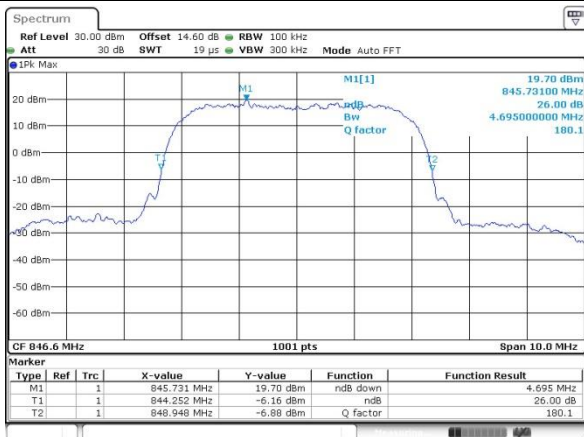
Date: 9 JUL 2022 19:31:30

Middle Channel



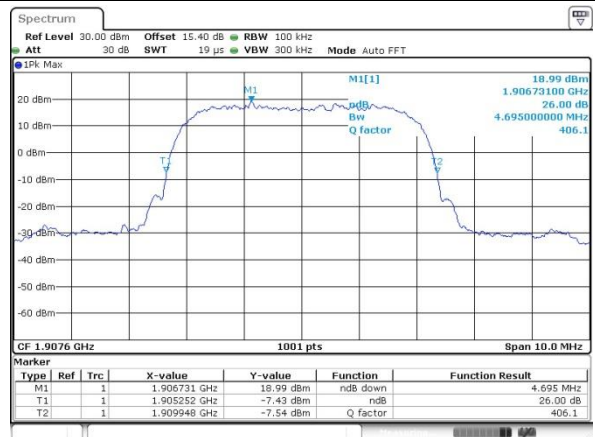
Date: 9 JUL 2022 18:49:55

Highest Channel



Date: 9 JUL 2022 19:31:55

Highest Channel

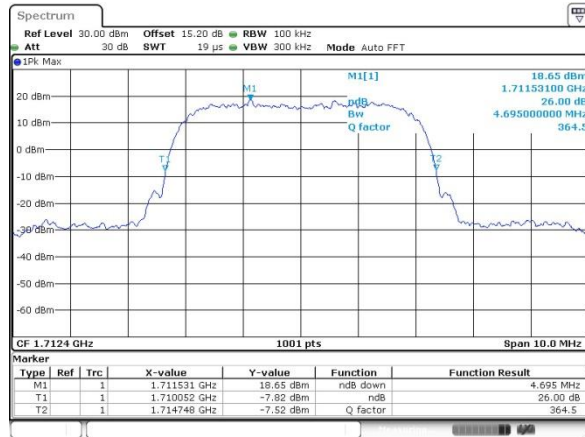


Date: 9 JUL 2022 18:50:26

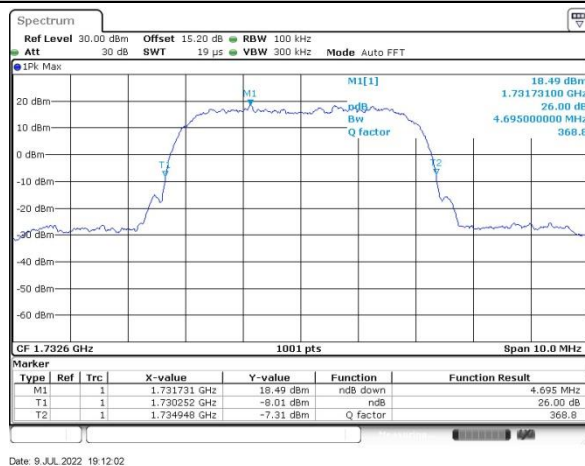


WCDMA Band IV (RMC 12.2Kbps)

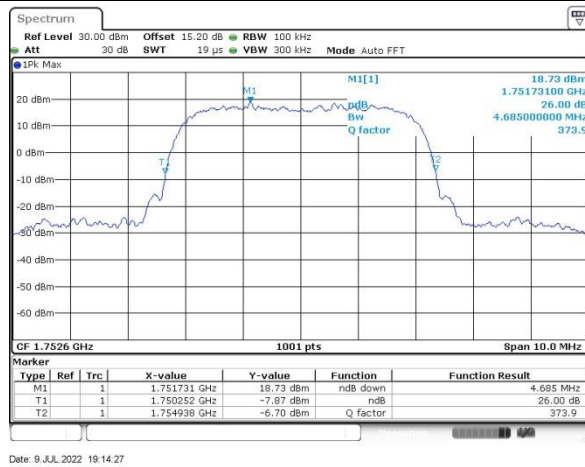
Lowest Channel



Middle Channel



Highest Channel





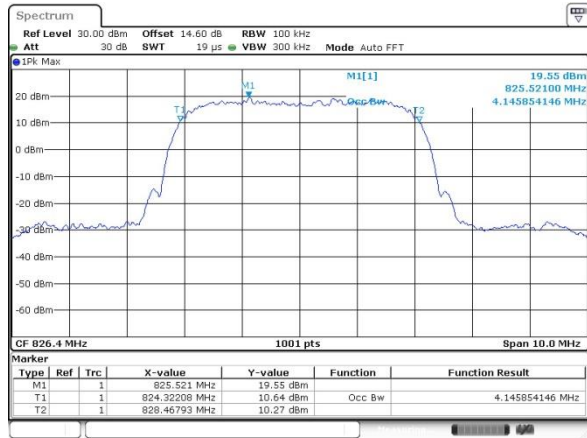
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.15	4.16
Middle CH	4.16	4.15	4.15
Highest CH	4.15	4.14	4.15



WCDMA Band V (RMC 12.2Kbps)

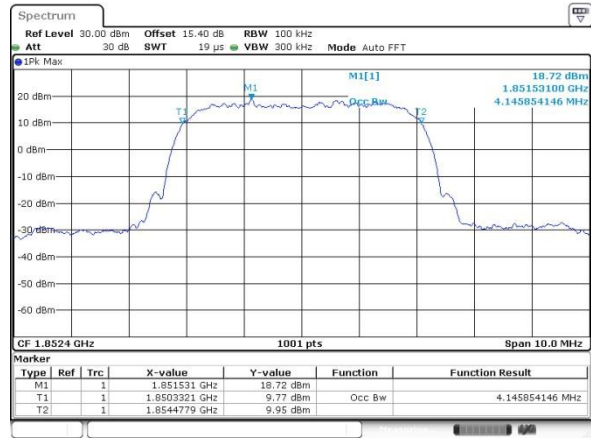
Lowest Channel



Date: 9 JUL 2022 19:34:09

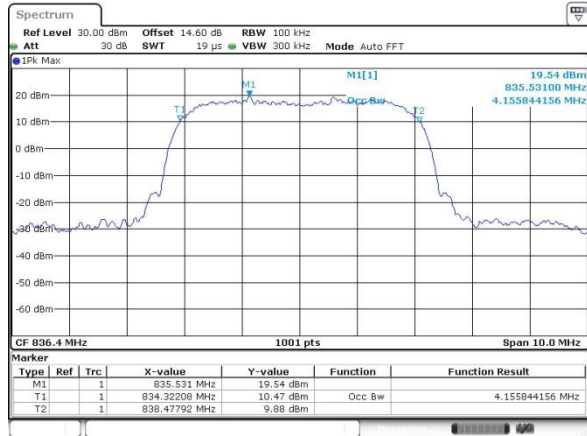
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



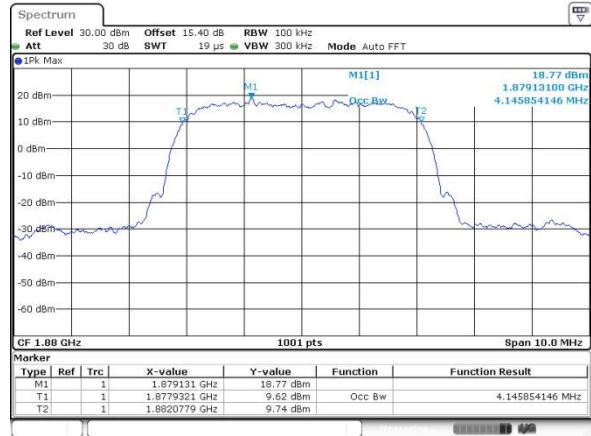
Date: 9 JUL 2022 19:02:17

Middle Channel



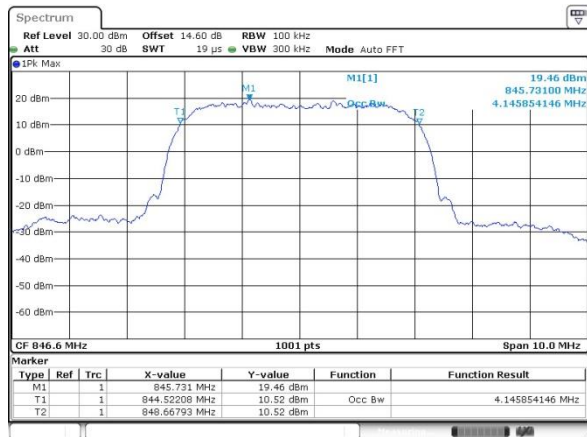
Date: 9 JUL 2022 19:34:34

Middle Channel



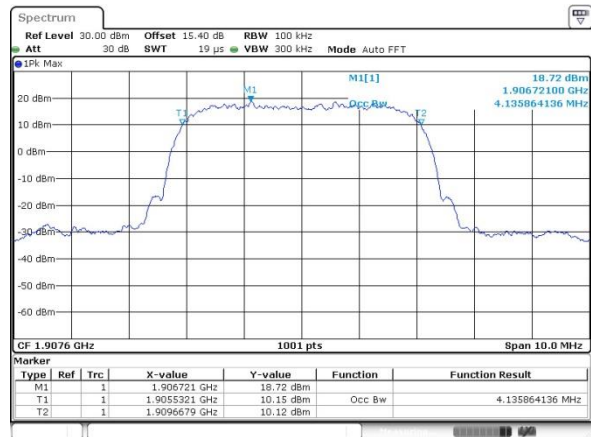
Date: 9 JUL 2022 19:02:36

Highest Channel



Date: 9 JUL 2022 19:34:57

Highest Channel

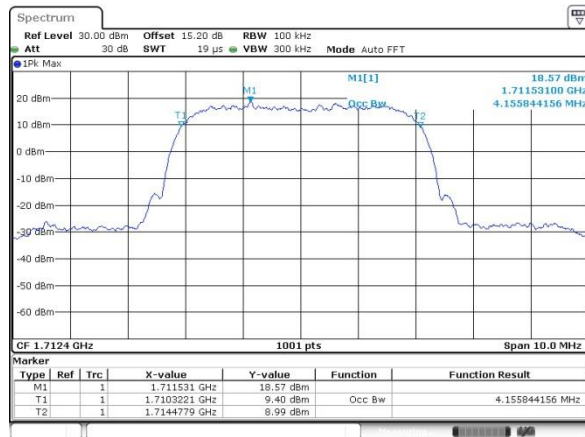


Date: 9 JUL 2022 19:03:00

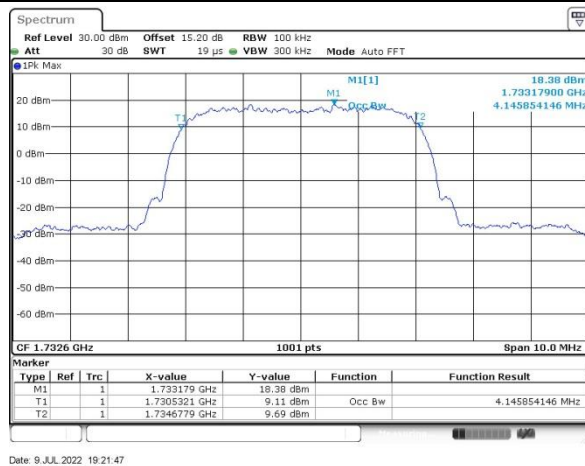


WCDMA Band IV (RMC 12.2Kbps)

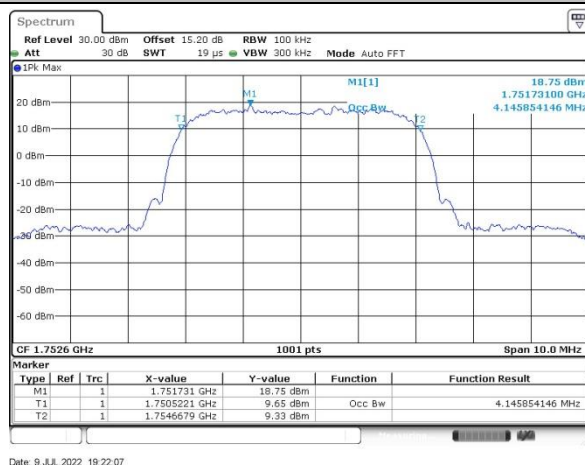
Lowest Channel



Middle Channel

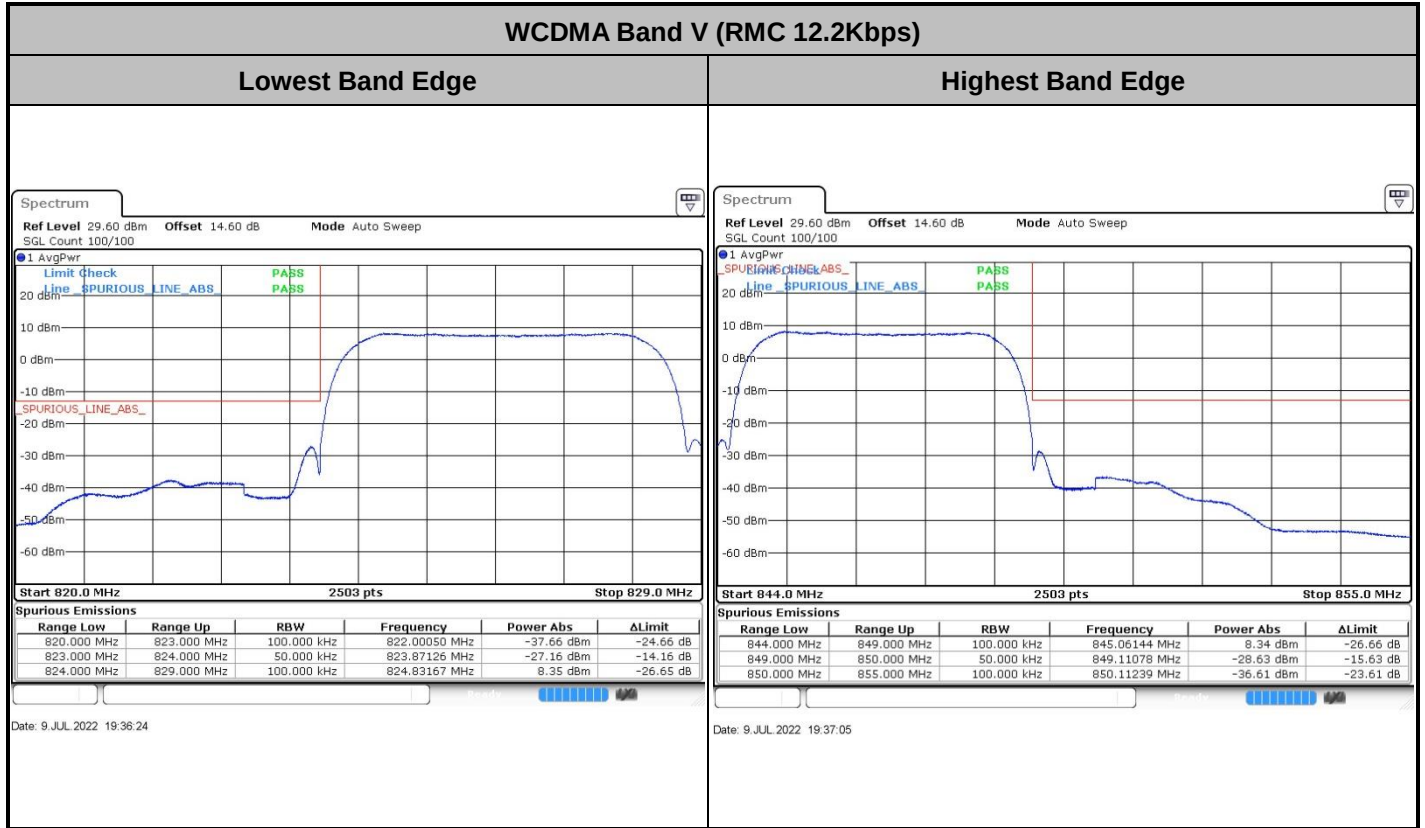


Highest Channel





Conducted Band Edge





WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

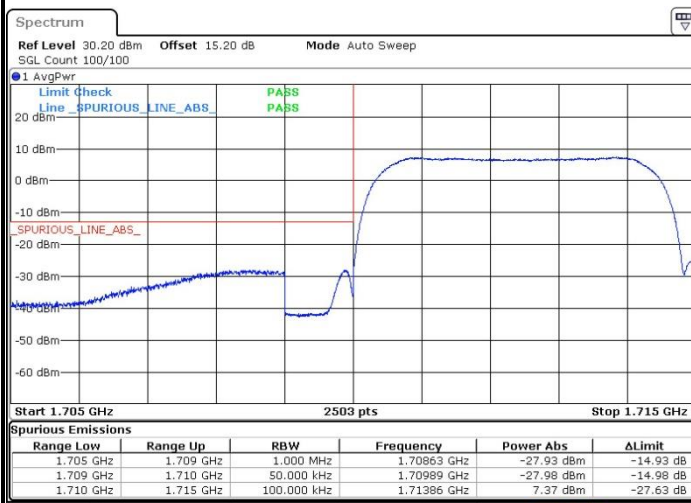


Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

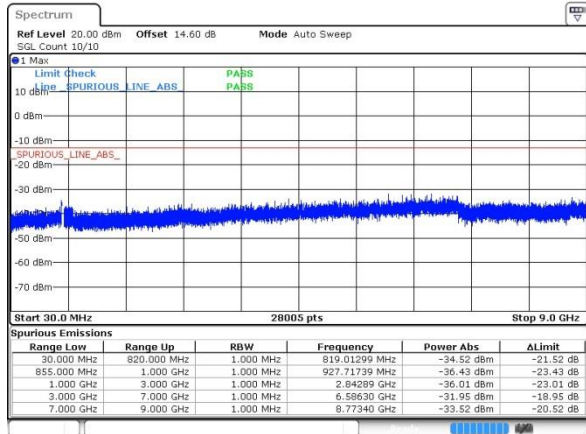




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

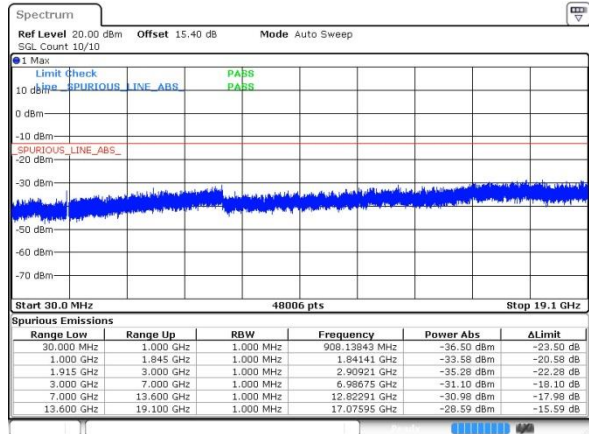
Lowest Channel



Date: 9 JUL 2022 19:38:43

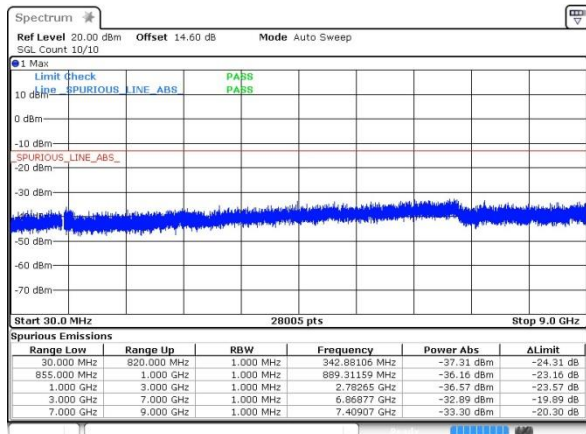
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



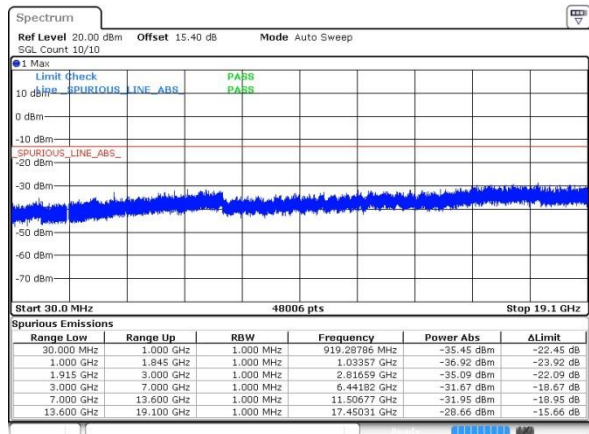
Date: 9 JUL 2022 19:06:02

Middle Channel



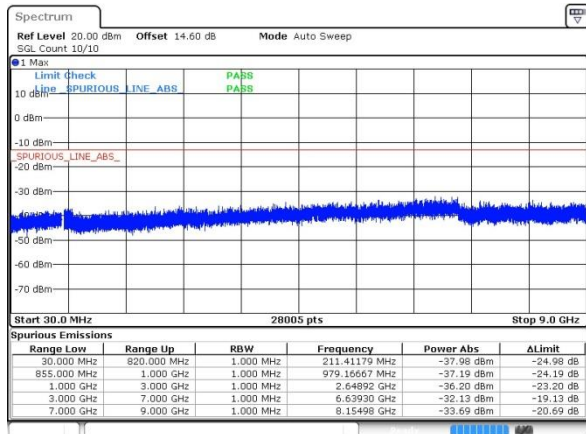
Date: 9 JUL 2022 19:38:59

Middle Channel



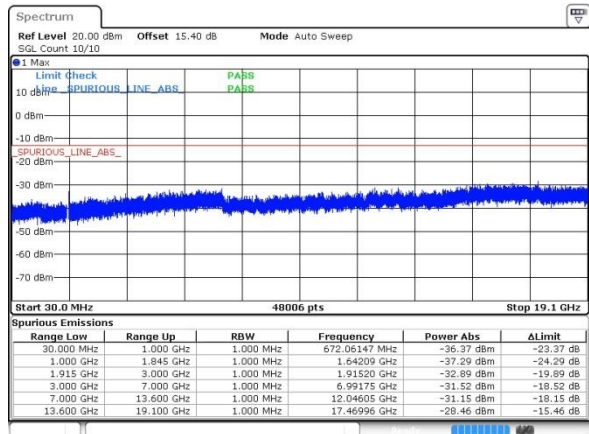
Date: 9 JUL 2022 19:06:41

Highest Channel



Date: 9 JUL 2022 19:39:19

Highest Channel

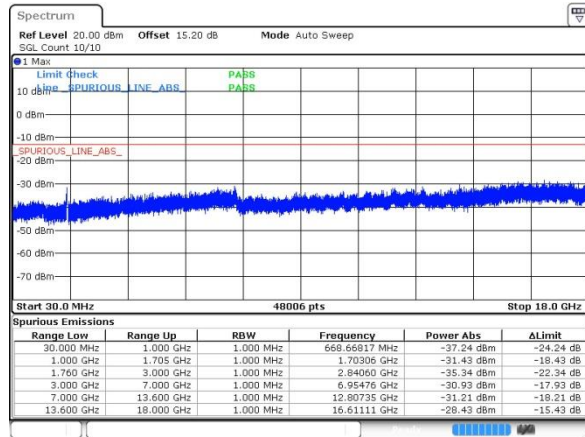


Date: 9 JUL 2022 19:08:15

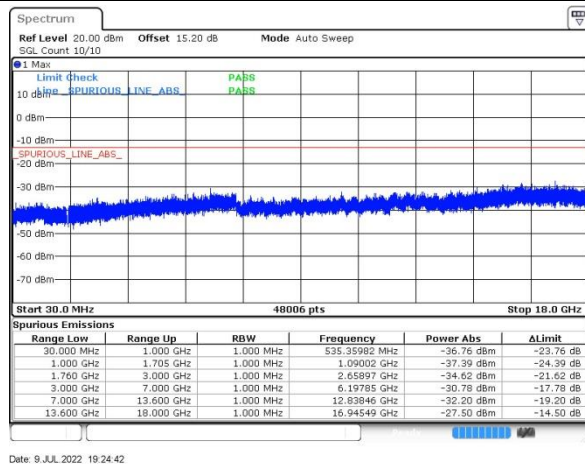


WCDMA Band IV (RMC 12.2Kbps)

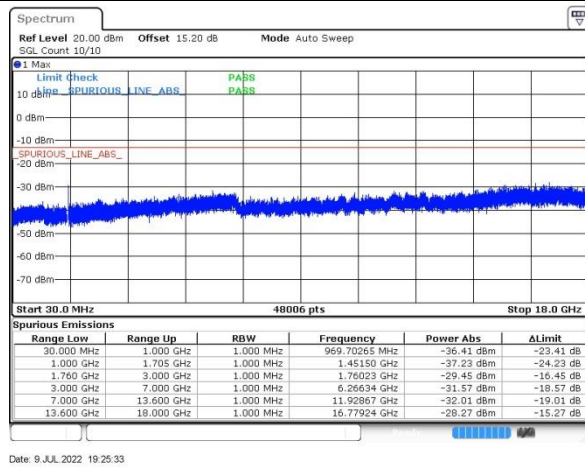
Lowest Channel



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	0.0086	PASS
40	Normal Voltage	0.0081	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0087	
-20	Normal Voltage	0.0093	
-30	Normal Voltage	0.0115	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0107	PASS
40	Normal Voltage	0.0067	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0084	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0114	
20	Maximum Voltage	0.0123	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0091	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0124	PASS
40	Normal Voltage	0.0086	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0084	
-20	Normal Voltage	0.0112	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45V
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 :	23~25°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	-54.33	-13	-41.33	-61.30	1.58	10.70	H
	2510	-44.81	-13	-31.81	-53.06	2.102	12.50	H
	3345	-56.72	-13	-43.72	-65.61	2.856	13.90	H
	4182	-50.97	-13	-37.97	-59.43	2.689	13.30	H
	1672	-50.96	-13	-37.96	-57.93	1.58	10.70	V
	2510	-44.47	-13	-31.47	-52.72	2.10	12.50	V
	3345	-56.99	-13	-43.99	-65.88	2.86	13.90	V
	4182	-46.55	-13	-33.55	-55.01	2.69	13.30	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	-46.48	-13	-33.48	-53.45	1.58	10.70	H
	2510	-29.85	-13	-16.85	-38.10	2.102	12.50	H
	3348	-53.45	-13	-40.45	-62.34	2.856	13.90	H
	4182	-51.59	-13	-38.59	-60.05	2.689	13.30	H
	5016	-47.92	-13	-34.92	-55.68	3.093	13.00	H
	5856	-43.36	-13	-30.36	-52.13	3.178	14.10	H
	6690	-50.54	-13	-37.54	-57.78	3.306	12.70	H
	7530	-46.32	-13	-33.32	-53.91	3.406	13.15	H
	1672	-47.87	-13	-34.87	-54.84	1.58	10.70	V
	2510	-34.07	-13	-21.07	-42.32	2.10	12.50	V
	3348	-49.74	-13	-36.74	-58.63	2.86	13.90	V
	4182	-48.59	-13	-35.59	-57.05	2.69	13.30	V
	5016	-52.16	-13	-39.16	-59.92	3.09	13.00	V
	5856	-47.36	-13	-34.36	-56.13	3.18	14.10	V
	6690	-50.49	-13	-37.49	-57.73	3.31	12.70	V
	7530	-44.97	-13	-31.97	-52.56	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	-58.30	-13	-45.30	-70.56	2.641	14.90	H
	5640	-30.63	-13	-17.63	-42.49	2.94	14.80	H
	7524	-46.18	-13	-33.18	-55.95	3.39	13.16	H
	3759	-58.86	-13	-45.86	-71.12	2.64	14.90	V
	5640	-33.30	-13	-20.30	-45.16	2.94	14.80	V
	7524	-46.84	-13	-33.84	-56.61	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	-58.17	-13	-45.17	-70.43	2.641	14.90	H
	5640	-40.28	-13	-27.28	-52.14	2.94	14.80	H
	7524	-46.11	-13	-33.11	-55.88	3.39	13.16	H
	3759	-58.27	-13	-45.27	-70.53	2.64	14.90	V
	5640	-34.36	-13	-21.36	-46.22	2.94	14.80	V
	7524	-45.92	-13	-32.92	-55.69	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	-64.67	-13	-51.67	-71.64	1.58	10.70	H
	2510	-61.56	-13	-48.56	-69.81	2.102	12.50	H
	3348	-60.31	-13	-47.31	-69.20	2.856	13.90	H
	1672	-63.96	-13	-50.96	-70.93	1.58	10.70	V
	2510	-61.44	-13	-48.44	-69.69	2.10	12.50	V
	3348	-60.51	-13	-47.51	-69.40	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	-59.22	-13	-46.22	-71.48	2.64	14.90	H
	5640	-52.46	-13	-39.46	-64.32	2.94	14.80	H
	7524	-45.89	-13	-32.89	-55.66	3.39	13.16	H
	3759	-58.80	-13	-45.80	-71.06	2.64	14.90	V
	5640	-52.53	-13	-39.53	-64.39	2.94	14.80	V
	7524	-46.22	-13	-33.22	-55.99	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	-59.27	-13	-46.27	-70.01	2.604	13.34	H
	5199	-53.31	-13	-40.31	-63.82	3.011	13.52	H
	6936	-48.71	-13	-35.71	-58.91	3.271	13.47	H
	3465	-59.26	-13	-46.26	-70.00	2.604	13.34	V
	5199	-53.24	-13	-40.24	-63.75	3.011	13.52	V
	6936	-47.81	-13	-34.81	-58.01	3.271	13.47	V

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