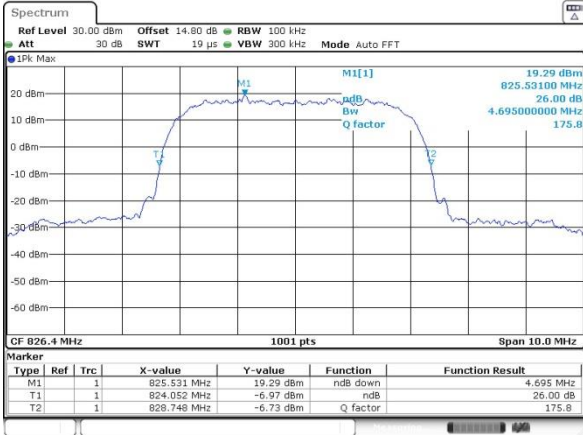




WCDMA Band V (RMC 12.2Kbps)

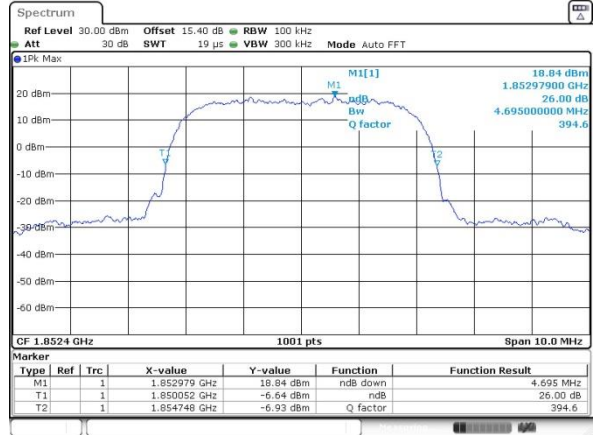
Lowest Channel



Date: 26 JUN 2023 21:54:11

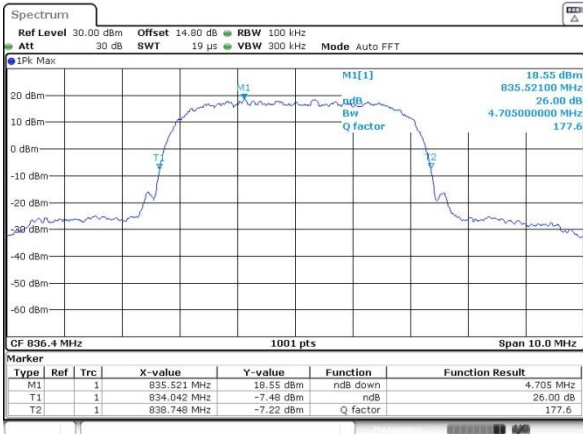
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



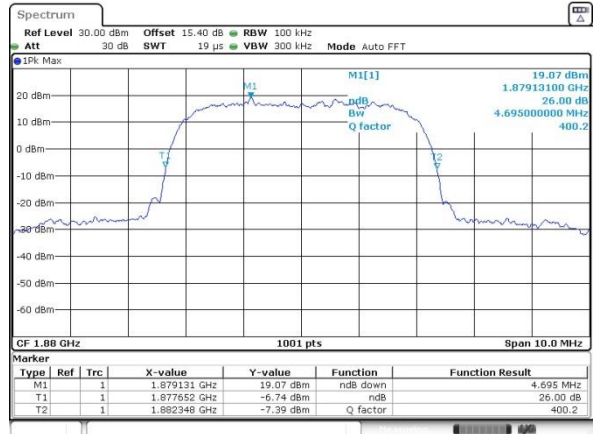
Date: 26 JUN 2023 21:32:01

Middle Channel



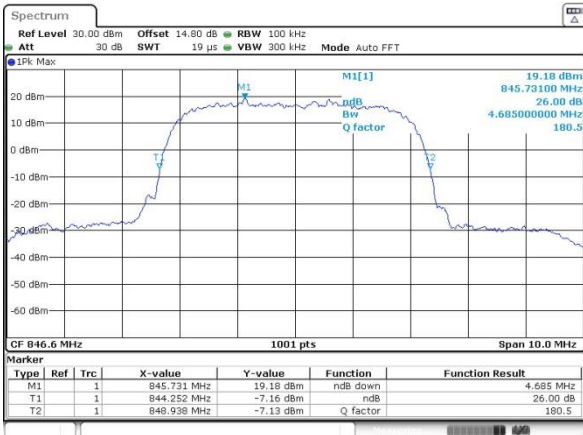
Date: 26 JUN 2023 21:54:35

Middle Channel



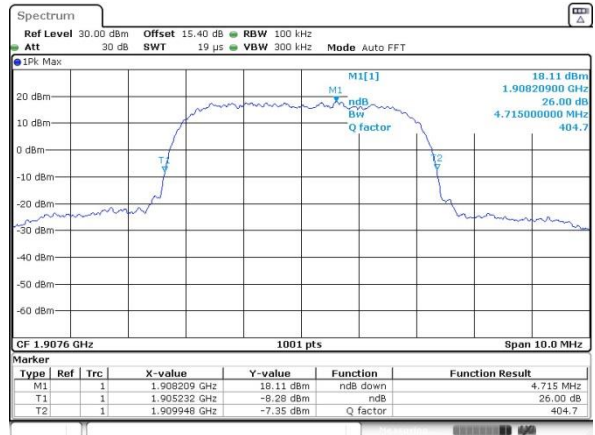
Date: 26 JUN 2023 21:32:25

Highest Channel



Date: 26 JUN 2023 21:55:02

Highest Channel

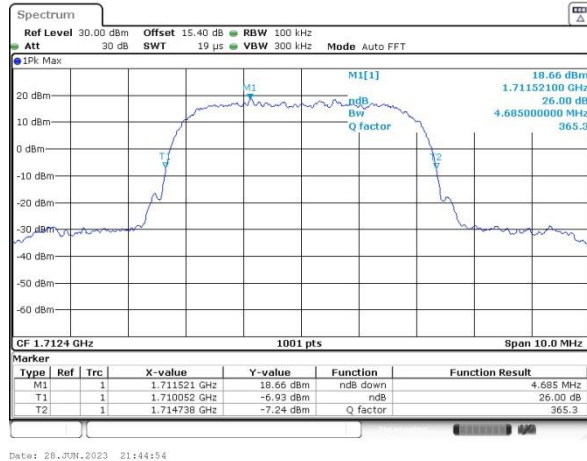


Date: 26 JUN 2023 21:32:50

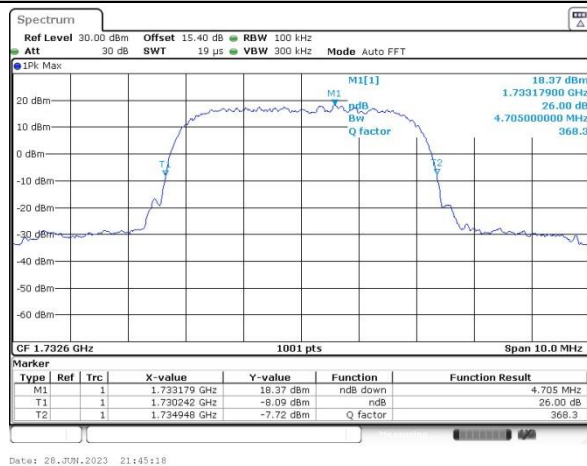


WCDMA Band IV (RMC 12.2Kbps)

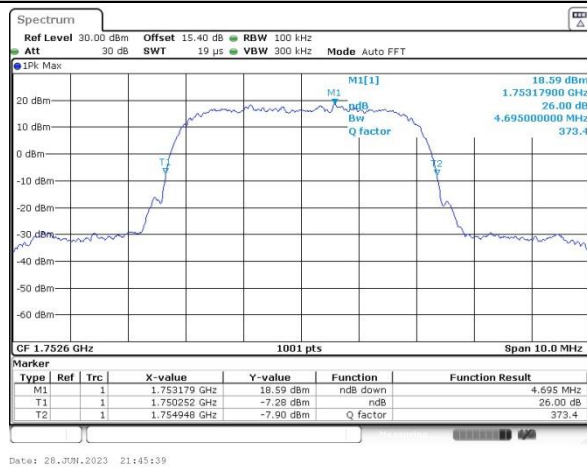
Lowest Channel



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	4.146	4.146	4.136
Middle CH	4.146	4.146	4.136
Highest CH	4.126	4.146	4.136

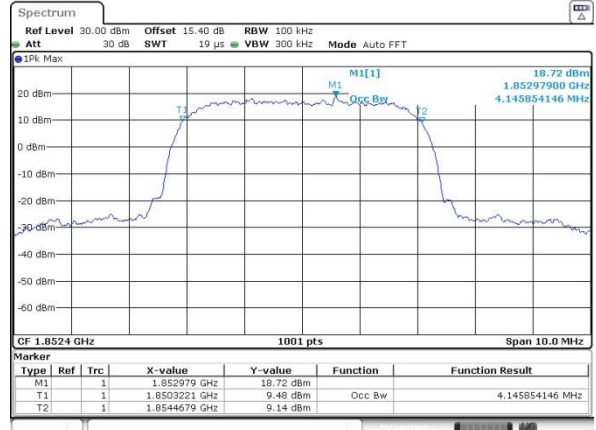
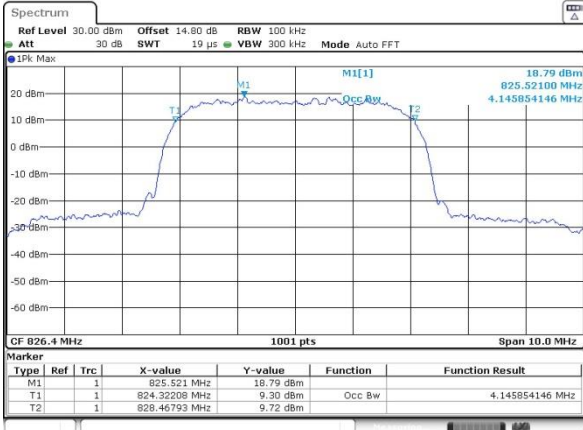


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

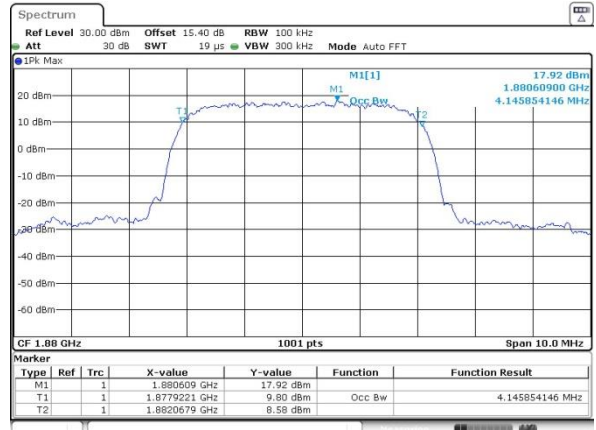
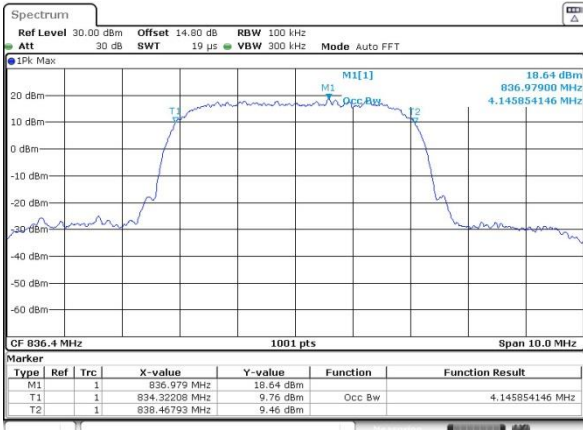


Date: 28 JUN 2023 21:57:26

Date: 28 JUN 2023 21:36:59

Middle Channel

Middle Channel

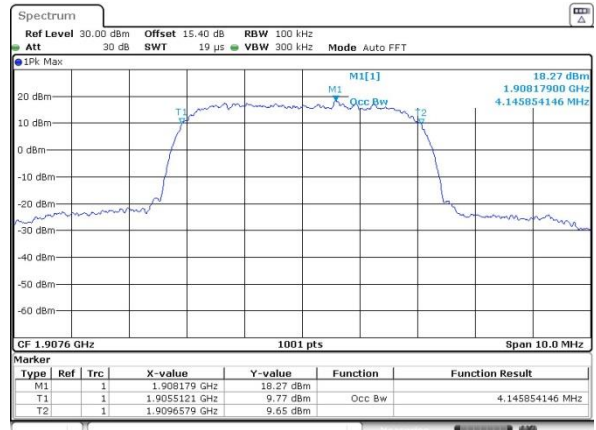
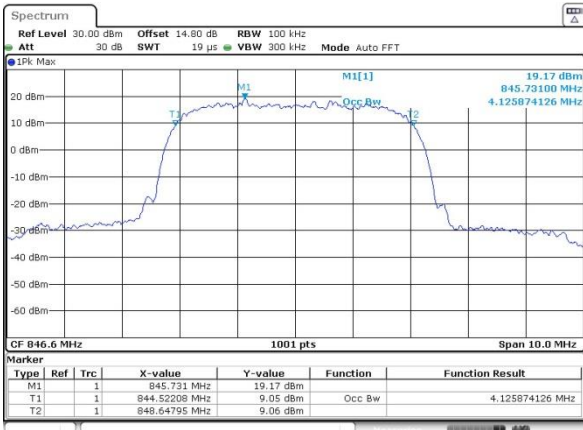


Date: 28 JUN 2023 21:57:45

Date: 28 JUN 2023 21:37:20

Highest Channel

Highest Channel



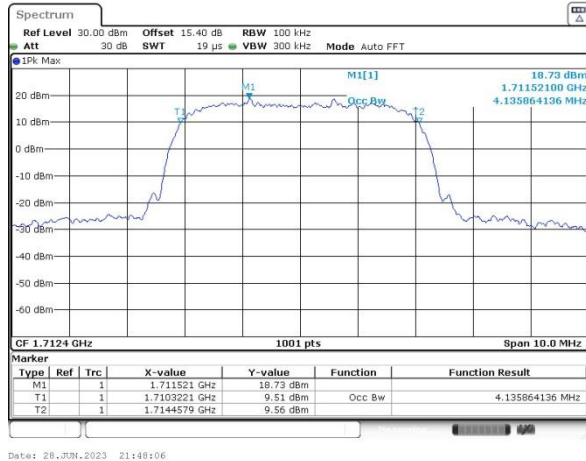
Date: 28 JUN 2023 21:58:04

Date: 28 JUN 2023 21:37:43



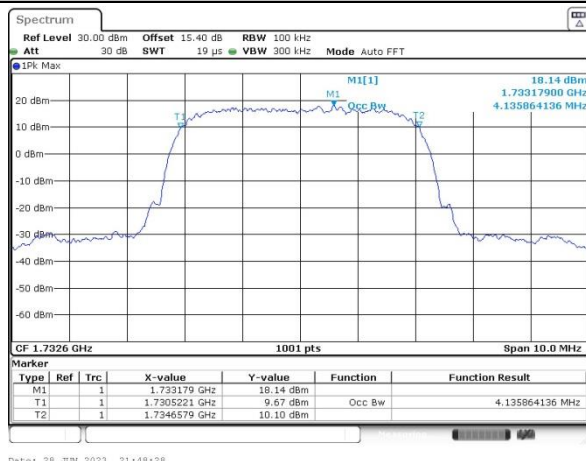
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



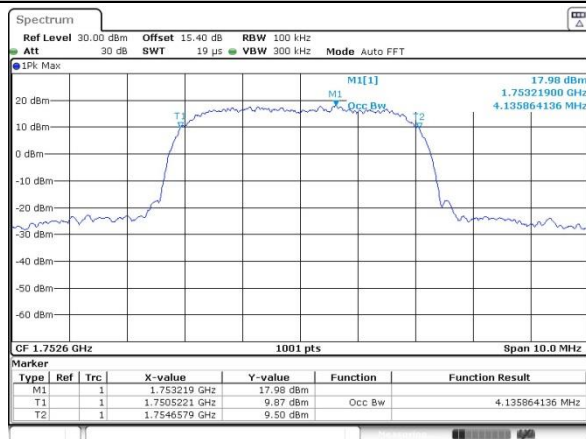
Date: 26 JUN 2023 21:48:06

Middle Channel



Date: 26 JUN 2023 21:48:28

Highest Channel



Date: 26 JUN 2023 21:48:46



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 28 JUN 2023 21:58:47

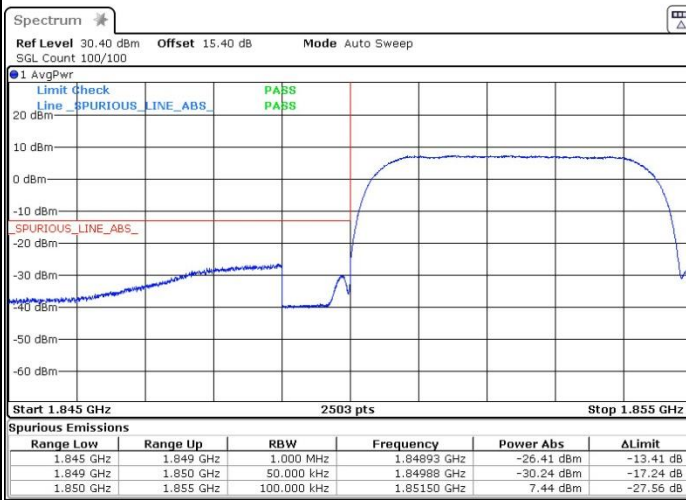
Highest Band Edge



Date: 28 JUN 2023 21:59:33

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 28 JUN 2023 21:38:34

Highest Band Edge



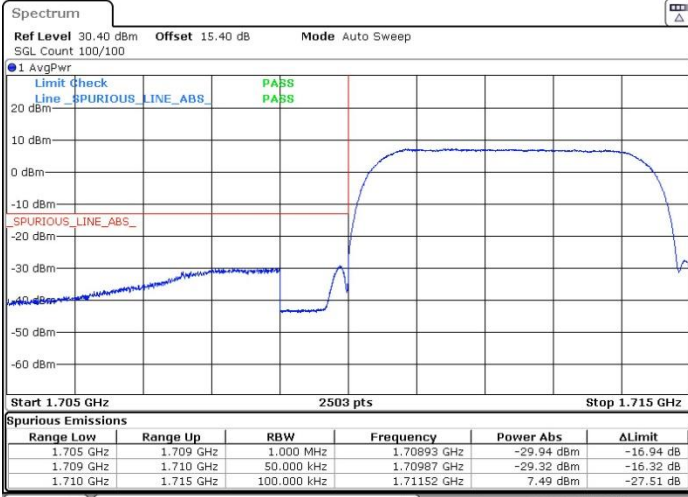
Date: 28 JUN 2023 21:39:21



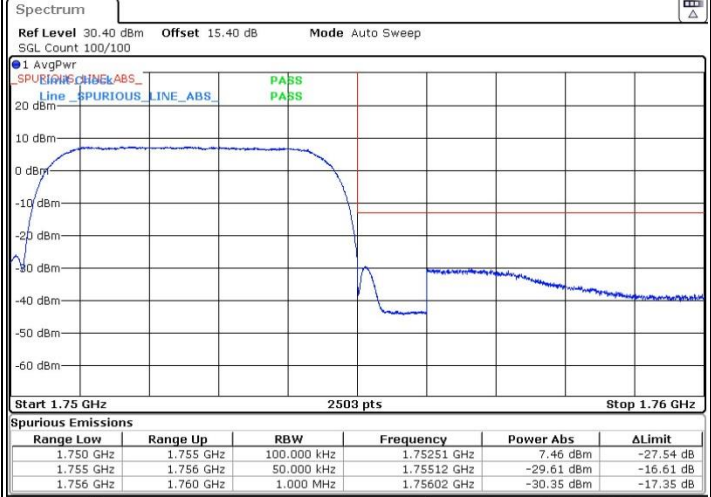
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



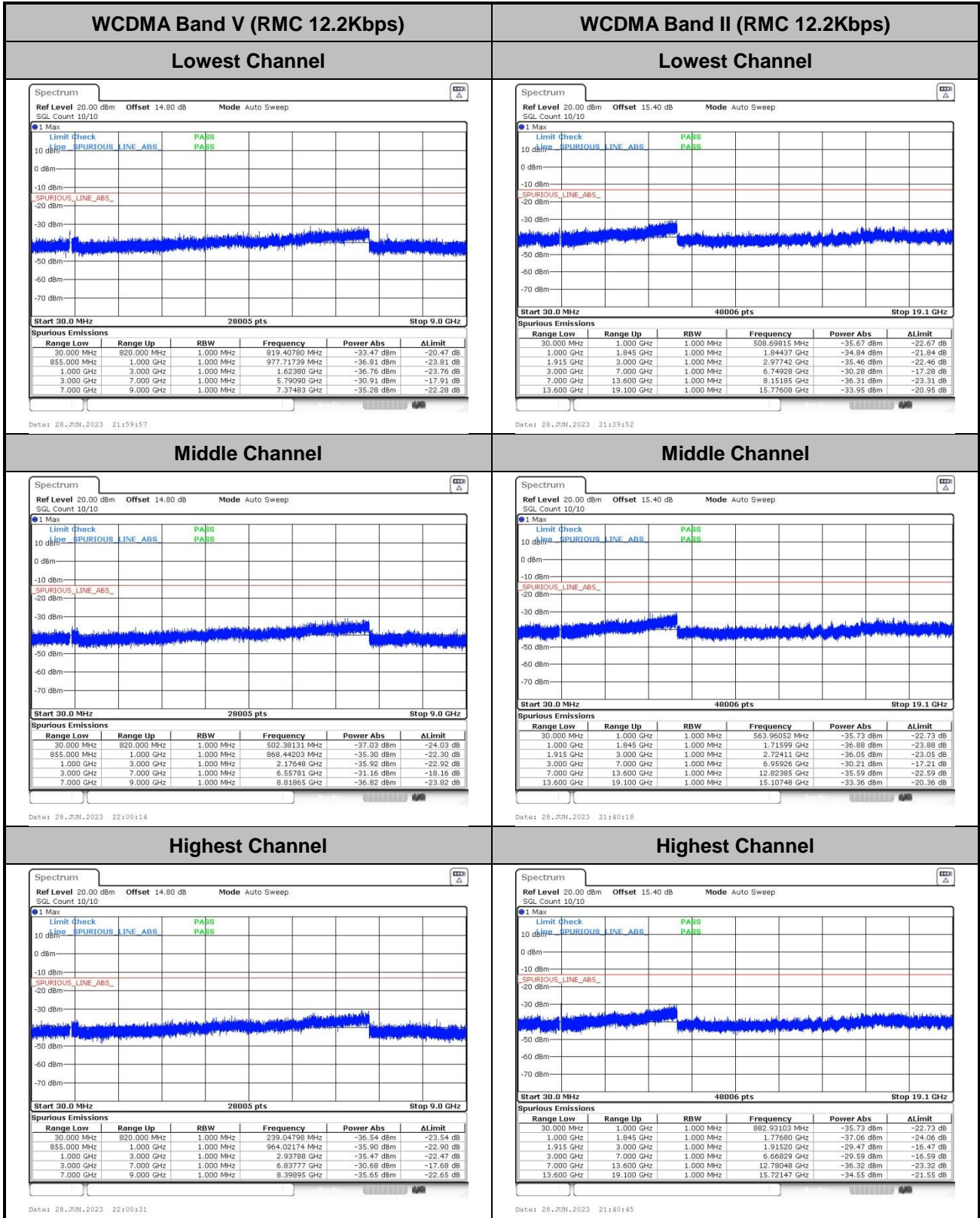
Date: 28.JUN.2023 21:49:31



Date: 28.JUN.2023 21:50:12



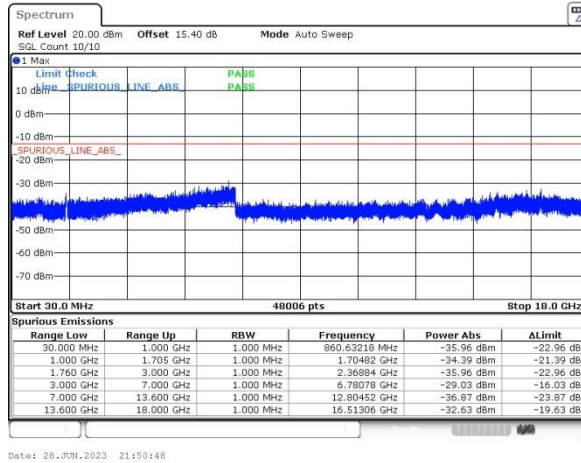
Conducted Spurious Emission





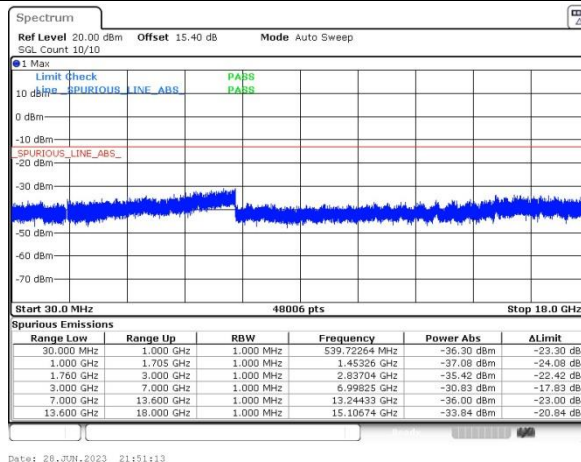
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



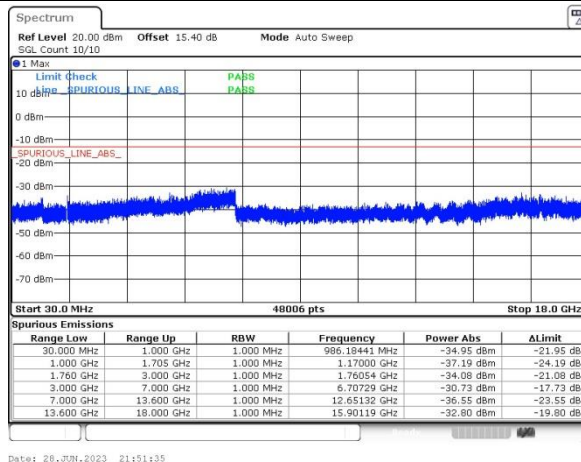
Date: 26 JUN 2023 21:50:48

Middle Channel



Date: 26 JUN 2023 21:51:13

Highest Channel



Date: 26 JUN 2023 21:51:35



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	0.0038	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0091	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0045	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0088	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0071	
0	Normal Voltage	0.0091	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0042	
20	Battery End Point	0.0049	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0062	
-30	Normal Voltage	0.0075	
20	Maximum Voltage	0.0060	
20	Normal Voltage	0.0055	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.6V. ; 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 :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

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	-65.42	-13	-52.42	-72.39	1.58	10.70	H
	2508	-61.91	-13	-48.91	-70.16	2.102	12.50	H
	3348	-61.03	-13	-48.03	-69.92	2.856	13.90	H
	1672	-62.98	-13	-49.98	-69.95	1.58	10.70	V
	2508	-58.10	-13	-45.10	-66.35	2.10	12.50	V
	3348	-62.17	-13	-49.17	-71.06	2.86	13.90	V

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	-66.22	-13	-53.22	-73.19	1.58	10.70	H
	2512	-62.35	-13	-49.35	-70.60	2.102	12.50	H
	3344	-62.18	-13	-49.18	-71.07	2.856	13.90	H
	1672	-64.83	-13	-51.83	-71.80	1.58	10.70	V
	2512	-61.46	-13	-48.46	-69.71	2.10	12.50	V
	3344	-62.22	-13	-49.22	-71.11	2.86	13.90	V

GSM1900 (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	3765	-56.01	-13	-43.01	-68.27	2.64	14.90	H
	5640	-57.26	-13	-44.26	-69.12	2.94	14.80	H
	7515	-54.88	-13	-41.88	-64.65	3.39	13.16	H
	3765	-52.48	-13	-39.48	-64.74	2.64	14.90	V
	5640	-56.10	-13	-43.10	-67.96	2.94	14.80	V
	7515	-53.44	-13	-40.44	-63.21	3.39	13.16	V



GSM1900 (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	3765	-56.96	-13	-43.96	-69.22	2.64	14.90	H
	5640	-57.16	-13	-44.16	-69.02	2.94	14.80	H
	7515	-54.94	-13	-41.94	-64.71	3.39	13.16	H
	3765	-57.83	-13	-44.83	-70.09	2.64	14.90	V
	5640	-57.91	-13	-44.91	-69.77	2.94	14.80	V
	7515	-54.89	-13	-41.89	-64.66	3.39	13.16	V

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	-66.44	-13	-53.44	-73.41	1.58	10.70	H
	2512	-62.39	-13	-49.39	-70.64	2.102	12.50	H
	3344	-62.27	-13	-49.27	-71.16	2.856	13.90	H
	1672	-65.31	-13	-52.31	-72.28	1.58	10.70	V
	2512	-61.77	-13	-48.77	-70.02	2.10	12.50	V
	3344	-62.28	-13	-49.28	-71.17	2.86	13.90	V

WCDMA Band II(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	3759	-57.19	-13	-44.19	-69.45	2.64	14.90	H
	5640	-57.27	-13	-44.27	-69.13	2.94	14.80	H
	7524	-54.55	-13	-41.55	-64.32	3.39	13.16	H
	3759	-55.69	-13	-42.69	-67.95	2.64	14.90	V
	5640	-56.93	-13	-43.93	-68.79	2.94	14.80	V
	7524	-53.24	-13	-40.24	-63.01	3.39	13.16	V

WCDMA Band IV(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	3465	-59.10	-13	-46.10	-69.84	2.604	13.34	H
	5190	-57.69	-13	-44.69	-68.20	3.011	13.52	H
	6930	-56.52	-13	-43.52	-66.72	3.271	13.47	H
	3465	-59.83	-13	-46.83	-70.57	2.604	13.34	V
	5190	-57.61	-13	-44.61	-68.12	3.011	13.52	V
	6930	-56.48	-13	-43.48	-66.68	3.271	13.47	V

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