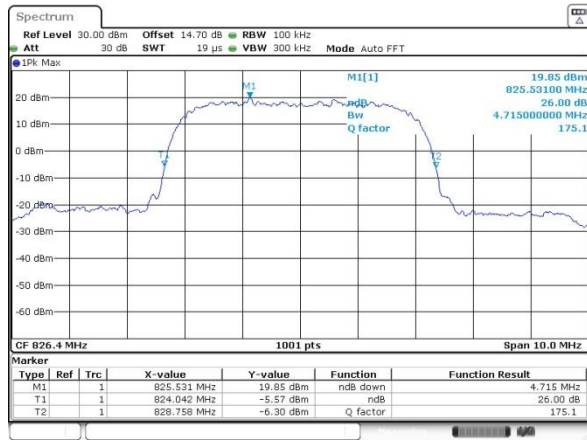




WCDMA Band V (RMC 12.2Kbps)

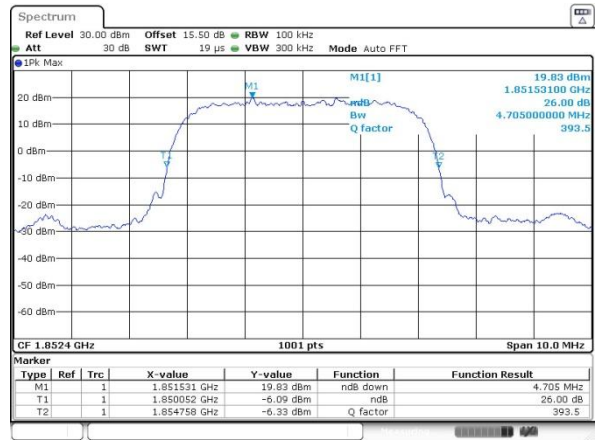
Lowest Channel



Date: 9 JUN 2025 10:09:34

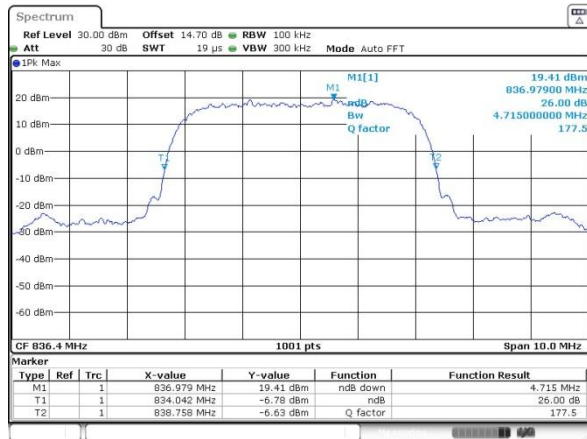
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



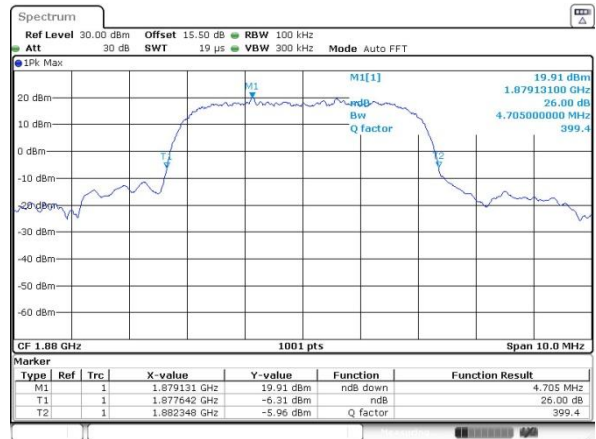
Date: 9 JUN 2025 10:23:09

Middle Channel



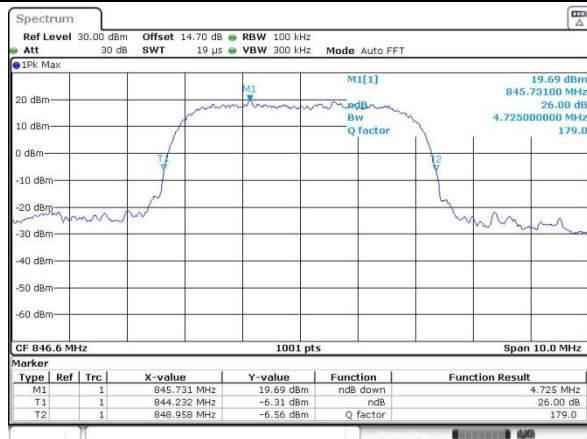
Date: 9 JUN 2025 10:09:59

Middle Channel



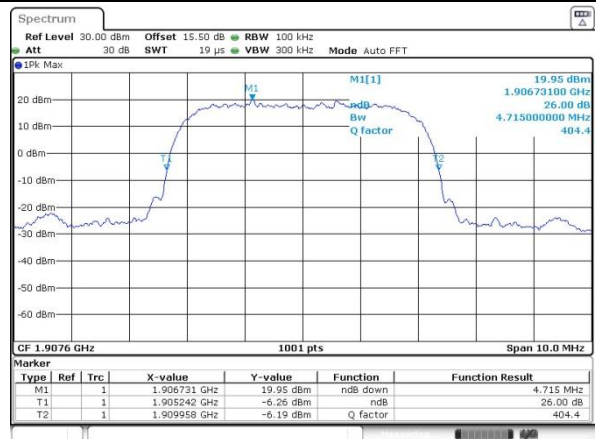
Date: 9 JUN 2025 10:23:43

Highest Channel



Date: 9 JUN 2025 10:10:21

Highest Channel

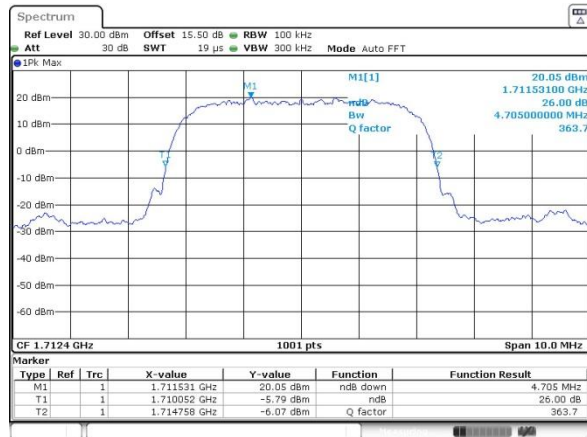


Date: 9 JUN 2025 10:24:09



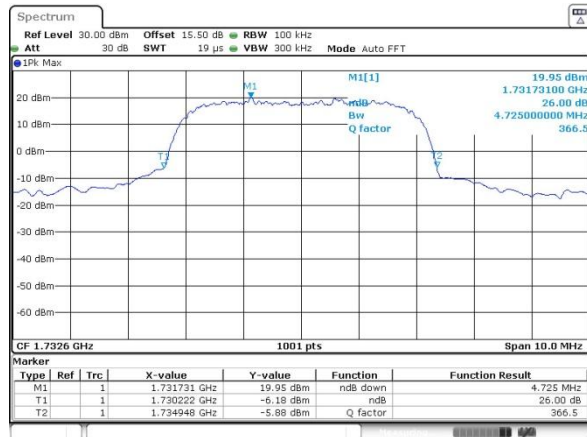
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



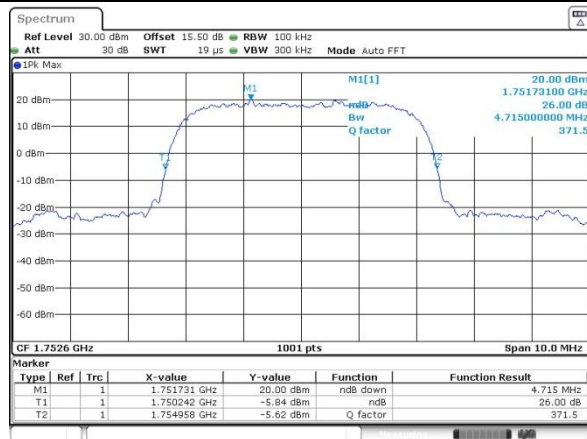
Date: 9 JUN 2025 10:36:45

Middle Channel



Date: 9 JUN 2025 10:37:10

Highest Channel



Date: 9 JUN 2025 10:37:35



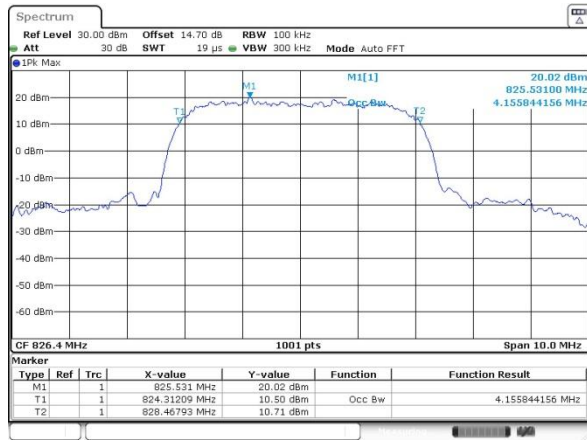
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.156MHz	4.156MHz	4.156MHz
Middle CH	4.166MHz	4.156MHz	4.186MHz
Highest CH	4.166MHz	4.156MHz	4.166MHz



WCDMA Band V (RMC 12.2Kbps)

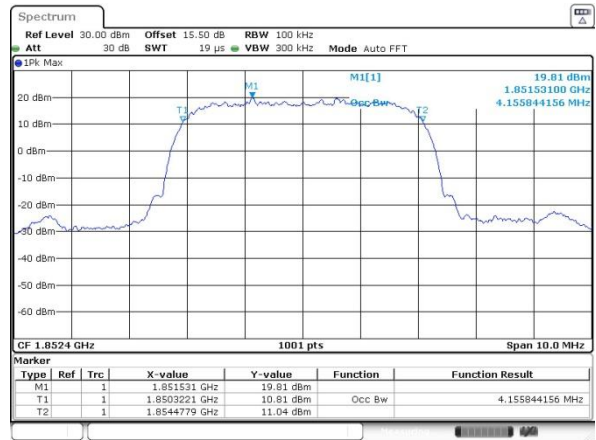
Lowest Channel



Date: 9 JUN 2025 10:06:44

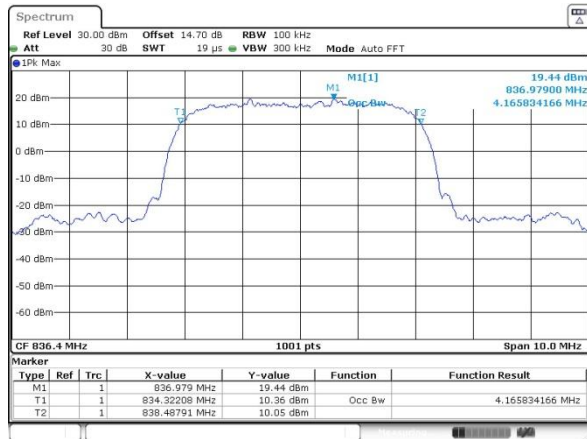
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



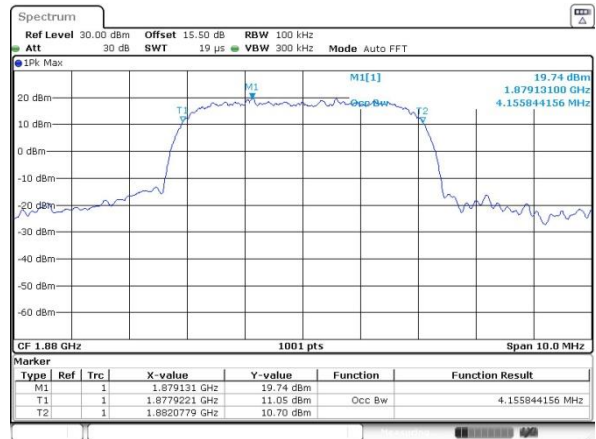
Date: 9 JUN 2025 10:21:38

Middle Channel



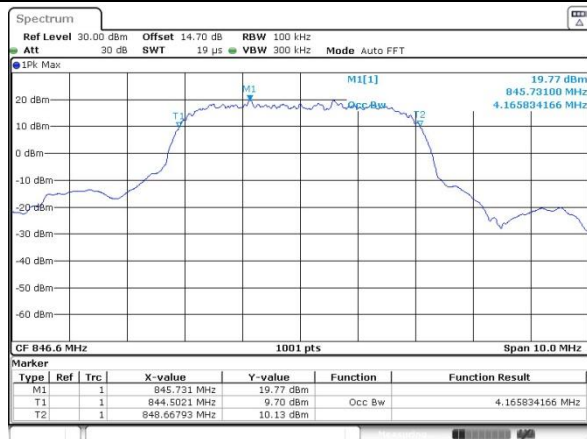
Date: 9 JUN 2025 10:07:19

Middle Channel



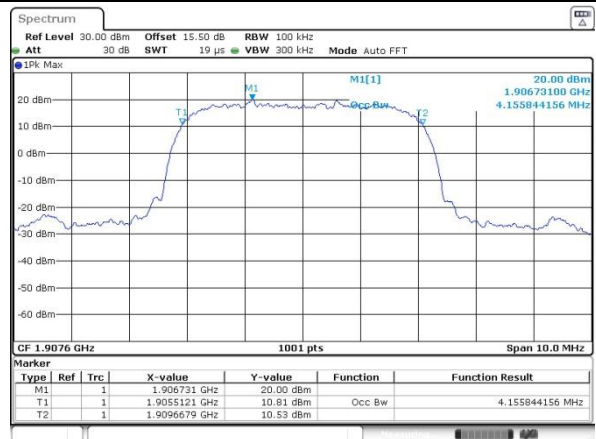
Date: 9 JUN 2025 10:22:17

Highest Channel



Date: 9 JUN 2025 10:07:43

Highest Channel

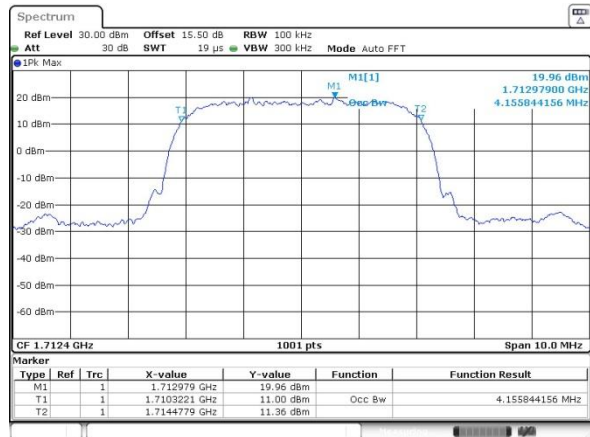


Date: 9 JUN 2025 10:22:41

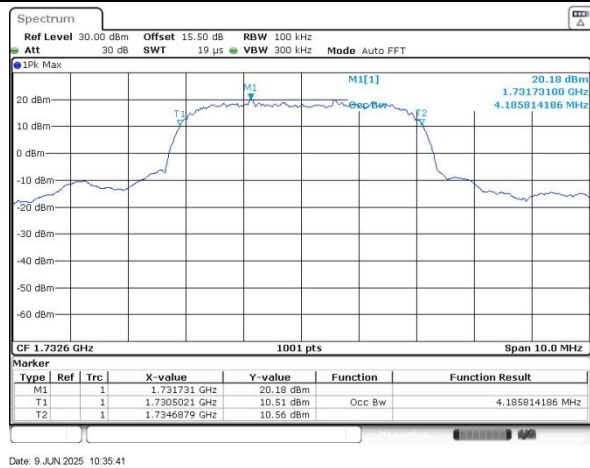


WCDMA Band IV (RMC 12.2Kbps)

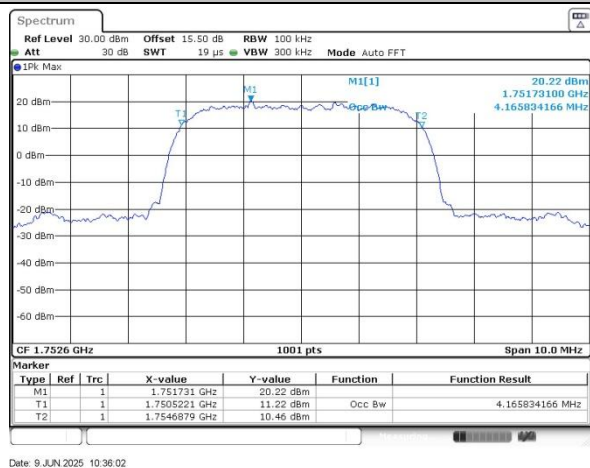
Lowest Channel



Middle Channel



Highest Channel

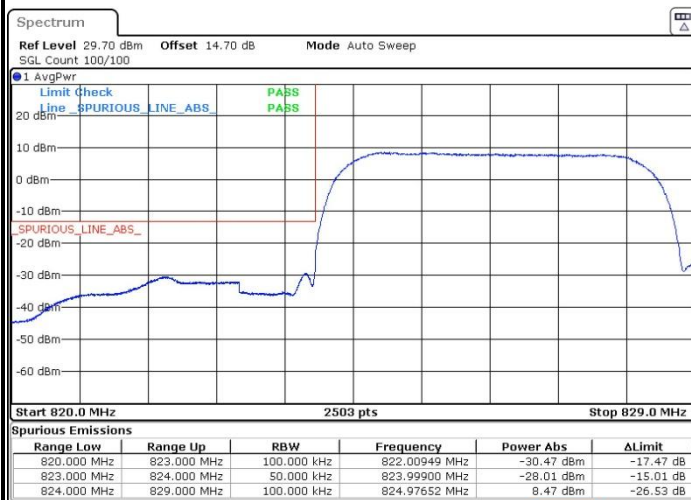




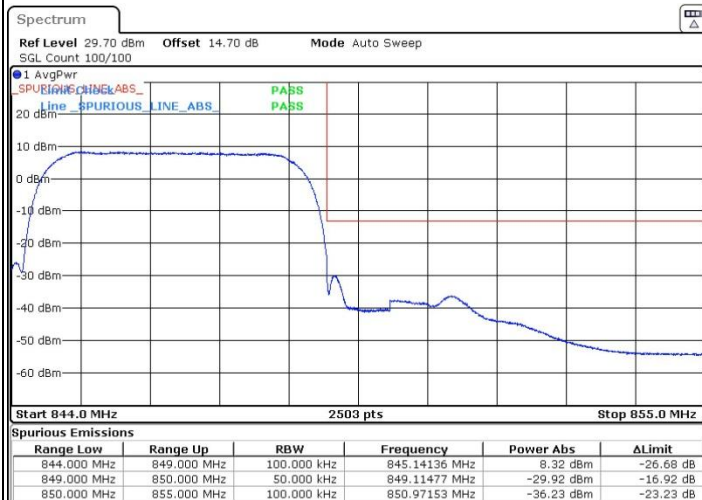
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

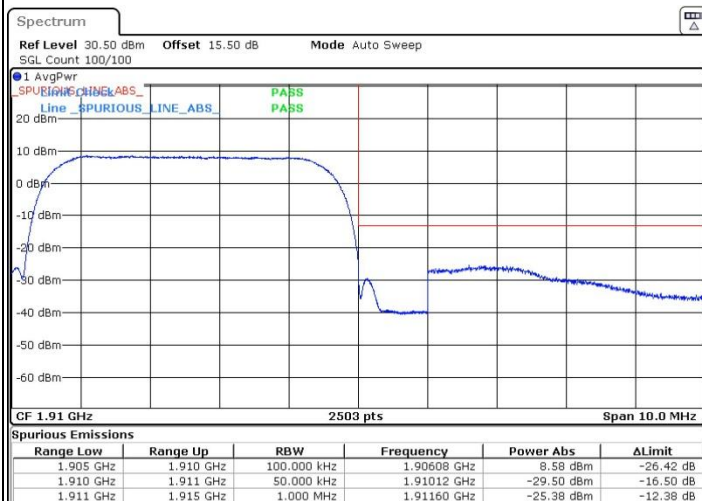


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

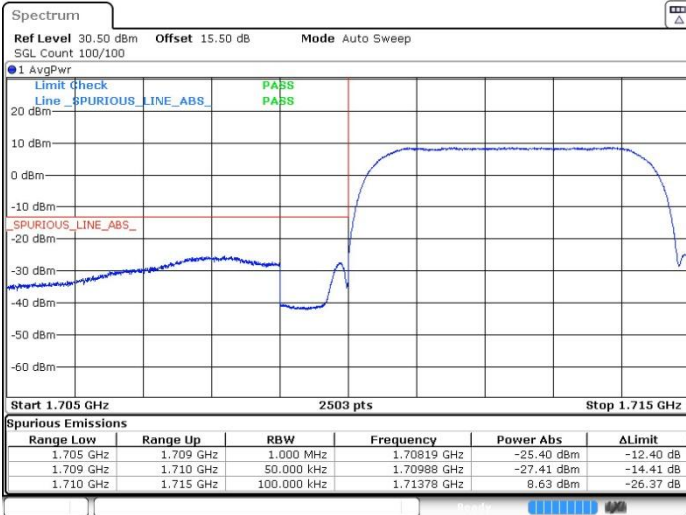




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 9 JUN 2025 10:39:18



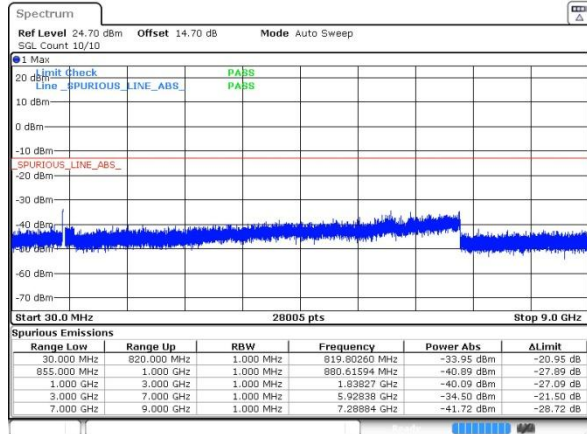
Date: 9 JUN 2025 10:40:49



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

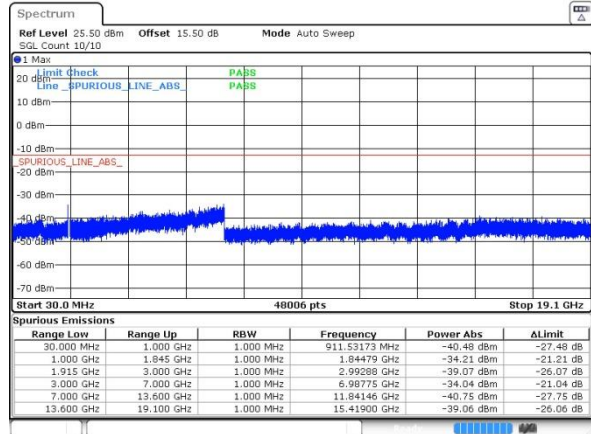
Lowest Channel



Date: 9 JUN 2025 10:14:50

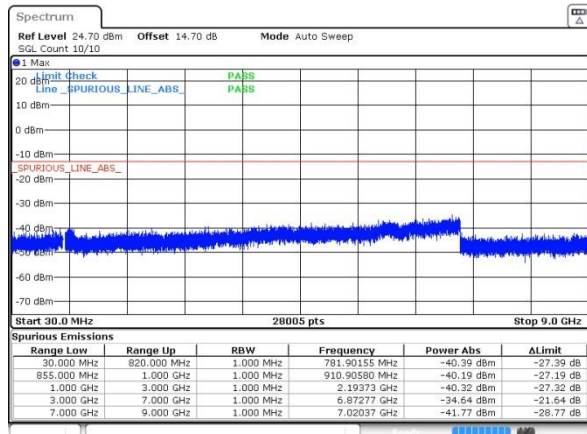
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



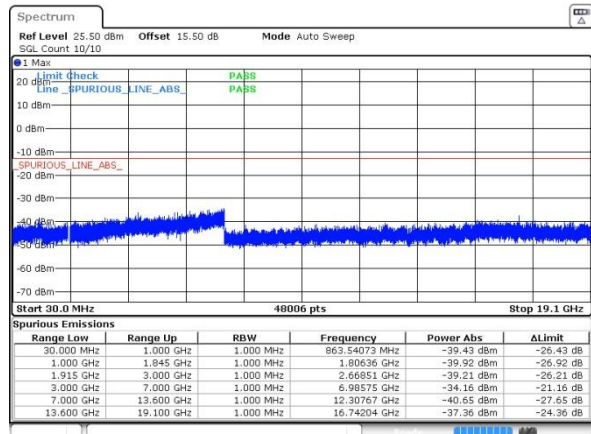
Date: 9 JUN 2025 10:28:57

Middle Channel



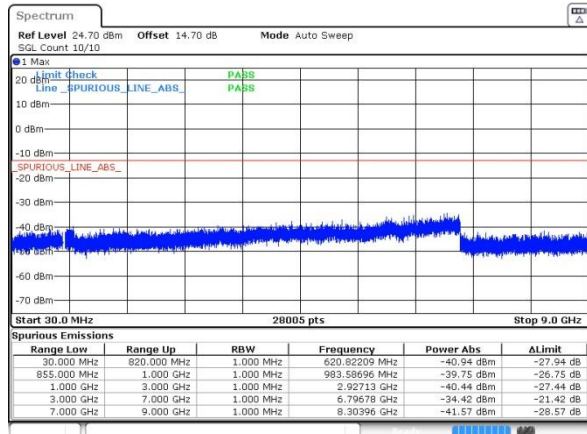
Date: 9 JUN 2025 10:15:12

Middle Channel



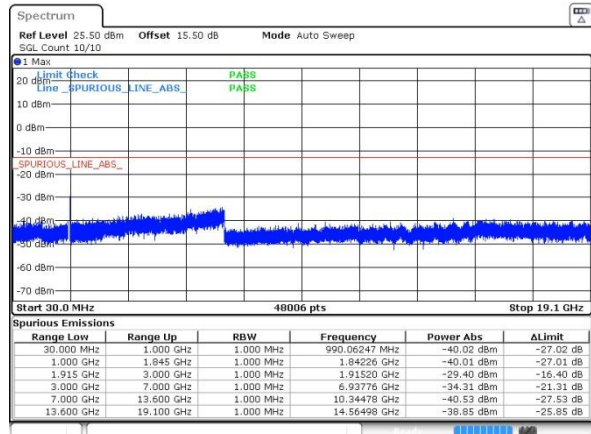
Date: 9 JUN 2025 10:29:23

Highest Channel



Date: 9 JUN 2025 10:15:34

Highest Channel

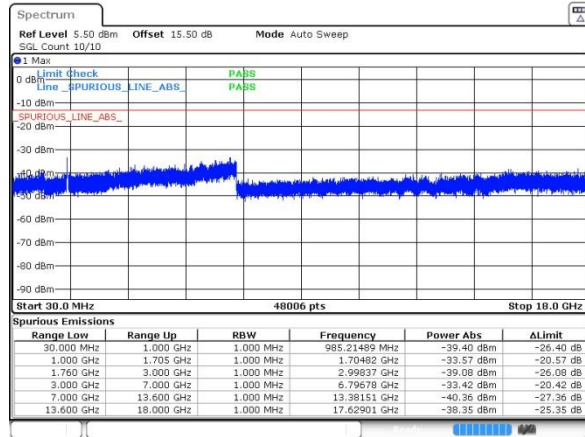


Date: 9 JUN 2025 10:29:47

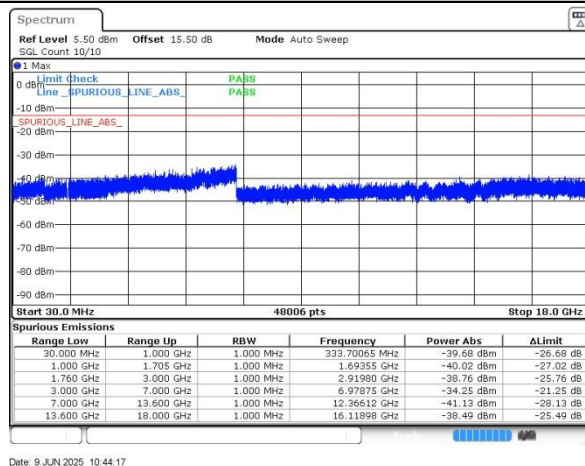


WCDMA Band IV (RMC 12.2Kbps)

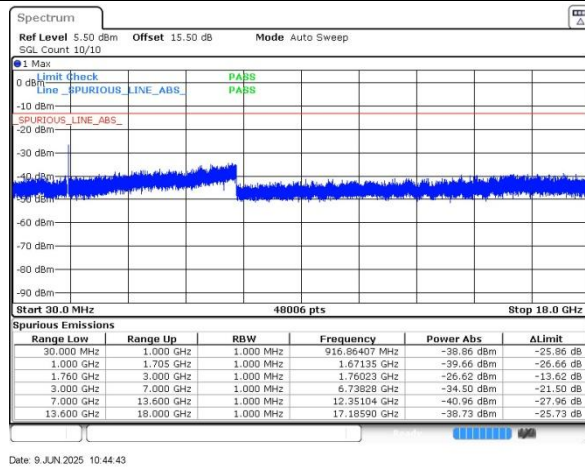
Lowest Channel



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	0.0071	PASS
40	Normal Voltage	0.0322	
30	Normal Voltage	0.0099	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0366	
-10	Normal Voltage	0.0079	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0421	
20	Maximum Voltage	0.0432	
20	Normal Voltage	0.0127	
20	Battery End Point	0.0046	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0231	PASS
40	Normal Voltage	0.0145	
30	Normal Voltage	0.0196	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0249	
0	Normal Voltage	0.0194	
-10	Normal Voltage	0.0265	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0147	
20	Maximum Voltage	0.0191	
20	Normal Voltage	0.0135	
20	Battery End Point	0.0016	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0051	PASS
40	Normal Voltage	0.0164	
30	Normal Voltage	0.0179	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0124	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0162	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5V
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	Temperature :	21~25°C
		Relative Humidity :	51~53%

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	-63.21	-13	-50.21	-70.18	1.58	10.70	H
	2512	-58.52	-13	-45.52	-66.77	2.102	12.50	H
	3344	-58.23	-13	-45.23	-67.12	2.856	13.90	H
	1672	-62.21	-13	-49.21	-69.18	1.58	10.70	V
	2512	-57.89	-13	-44.89	-66.14	2.10	12.50	V
	3344	-58.37	-13	-45.37	-67.26	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	-38.56	-13	-25.56	-45.53	1.58	10.70	H
	2512	-56.26	-13	-43.26	-64.51	2.102	12.50	H
	3344	-55.83	-13	-42.83	-64.72	2.856	13.90	H
	1672	-37.58	-13	-24.58	-44.55	1.58	10.70	V
	2512	-56.35	-13	-43.35	-64.60	2.10	12.50	V
	3344	-55.87	-13	-42.87	-64.76	2.86	13.90	V

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

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	-58.61	-13	-45.61	-70.87	2.64	14.90	H
	5640	-57.88	-13	-44.88	-69.74	2.94	14.80	H
	7515	-54.98	-13	-41.98	-64.75	3.39	13.16	H
	3765	-57.66	-13	-44.66	-69.92	2.64	14.90	V
	5640	-58.53	-13	-45.53	-70.39	2.94	14.80	V
	7515	-54.77	-13	-41.77	-64.54	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)	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	-55.54	-13	-42.54	-67.40	2.94	14.80	H
	7515	-52.14	-13	-39.14	-61.91	3.39	13.16	H
	3765	-56.19	-13	-43.19	-68.45	2.64	14.90	V
	5640	-55.86	-13	-42.86	-67.72	2.94	14.80	V
	7515	-52.24	-13	-39.24	-62.01	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-53.87	-13	-40.87	-60.84	1.58	10.70	H	1672
	2512	-58.18	-13	-45.18	-66.43	2.102	12.50	H	2512
	3344	-58.18	-13	-45.18	-67.07	2.856	13.90	H	3344
	1672	-59.26	-13	-46.26	-66.23	1.58	10.70	V	1672
	2512	-57.52	-13	-44.52	-65.77	2.10	12.50	V	2512
	3344	-58.42	-13	-45.42	-67.31	2.86	13.90	V	3344

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)	SPA Reading (dBm)	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	3765
	5640	-55.54	-13	-42.54	-67.40	2.94	14.80	H	5640
	7515	-52.14	-13	-39.14	-61.91	3.39	13.16	H	7515
	3765	-56.19	-13	-43.19	-68.45	2.64	14.90	V	3765
	5640	-55.86	-13	-42.86	-65.63	3.39	13.16	V	5640
	7515	-52.24	-13	-39.24	-64.10	2.94	14.80	V	7515

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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-57.43	-13	-44.43	-68.17	2.604	13.34	H	3465
	5190	-55.94	-13	-42.94	-66.45	3.011	13.52	H	5190
	6930	-54.78	-13	-41.78	-64.98	3.271	13.47	H	6930
	3465	-57.78	-13	-44.78	-68.52	2.604	13.34	V	3465
	5190	-55.97	-13	-42.97	-66.48	3.011	13.52	V	5190
	6930	-54.79	-13	-41.79	-64.99	3.271	13.47	V	6930

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