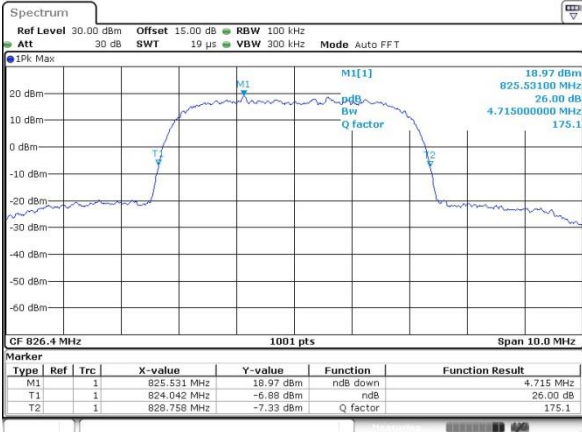




WCDMA Band V (RMC 12.2Kbps)

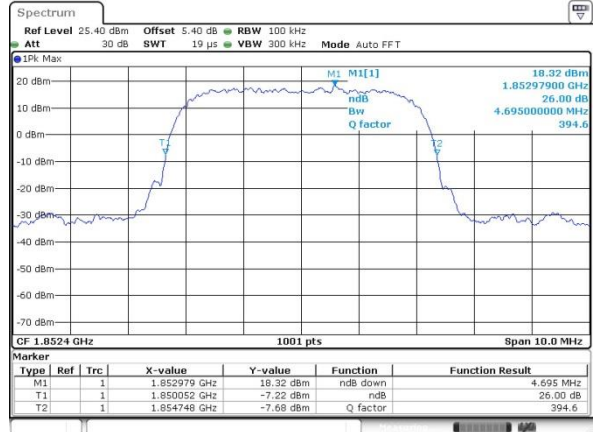
Lowest Channel



Date: 16_SEP_2024 03:14:57

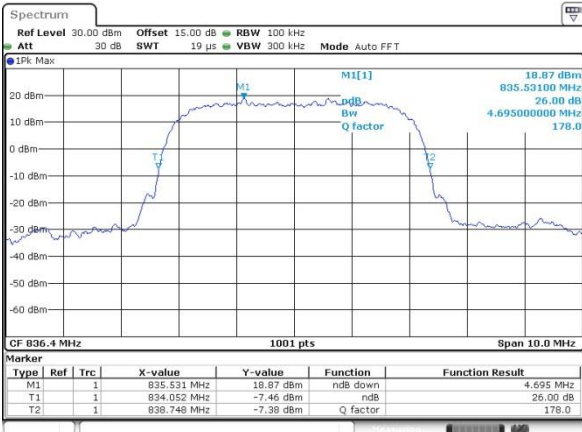
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



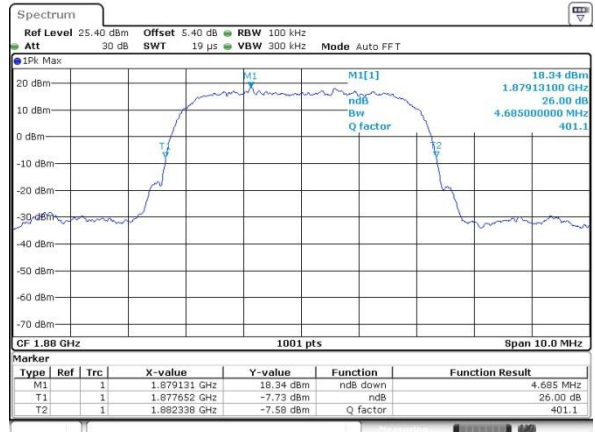
Date: 16_SEP_2024 01:09:14

Middle Channel



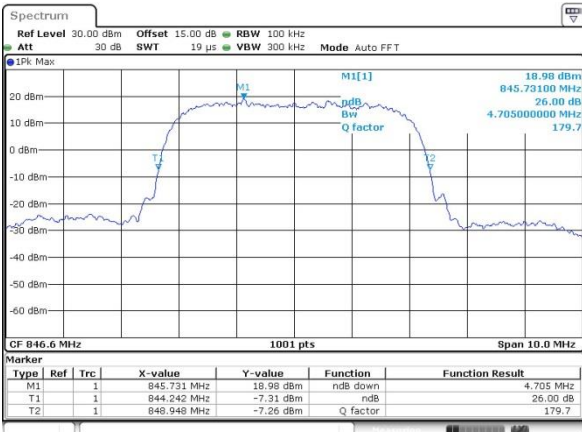
Date: 16_SEP_2024 03:16:27

Middle Channel



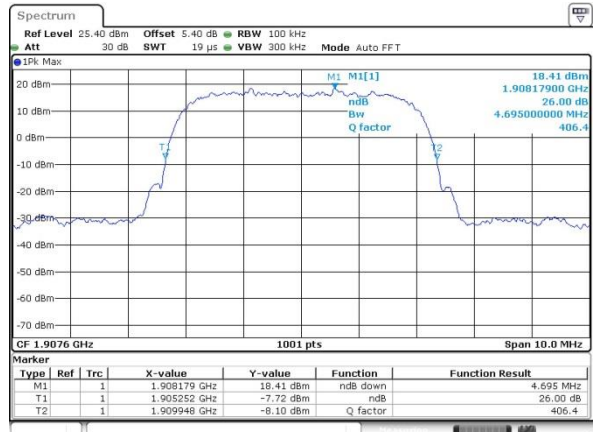
Date: 16_SEP_2024 01:09:35

Highest Channel



Date: 16_SEP_2024 03:16:49

Highest Channel

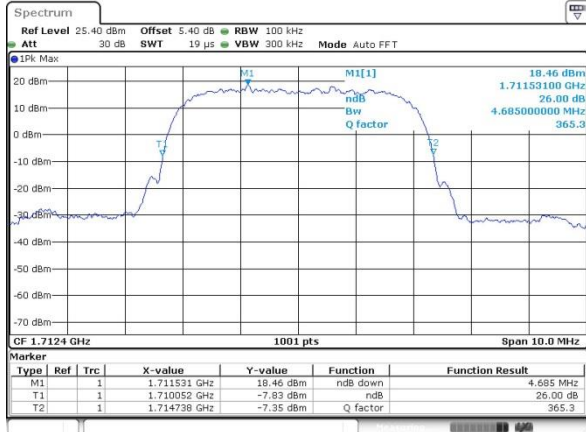


Date: 16_SEP_2024 01:09:54



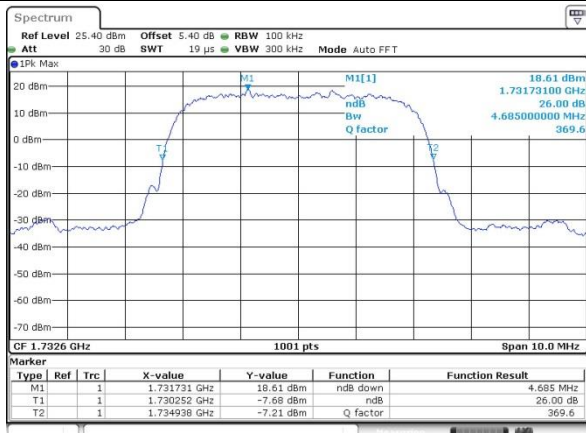
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



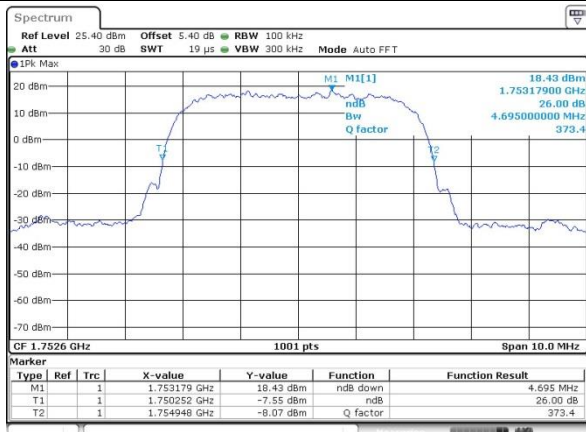
Date: 16_SEP_2024 01:20:49

Middle Channel



Date: 16_SEP_2024 01:21:13

Highest Channel



Date: 16_SEP_2024 01:21:33



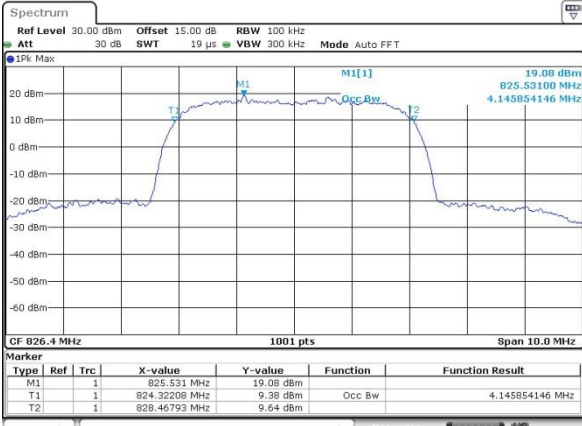
Occupied Bandwidth

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	4.14
Middle CH	4.14	4.15	4.14
Highest CH	4.16	4.13	4.15



WCDMA Band V (RMC 12.2Kbps)

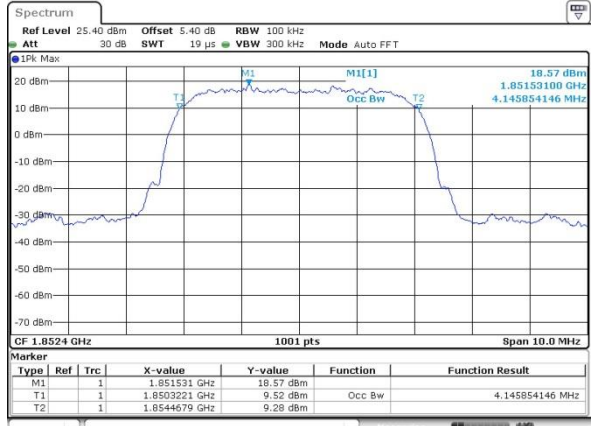
Lowest Channel



Date: 16_SEP_2024 03:18:44

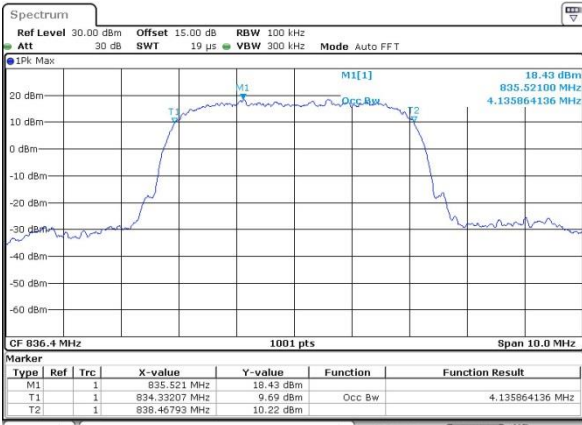
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



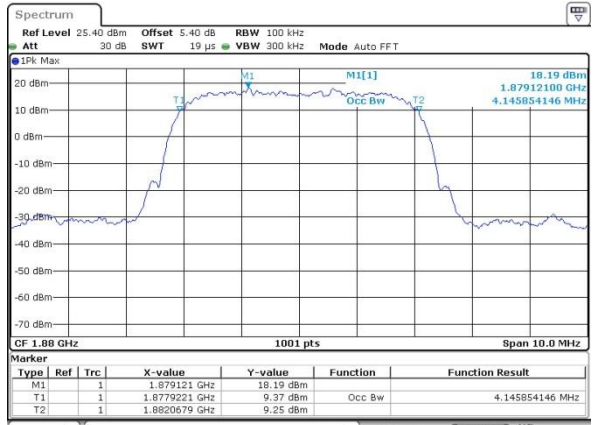
Date: 16_SEP_2024 01:11:58

Middle Channel



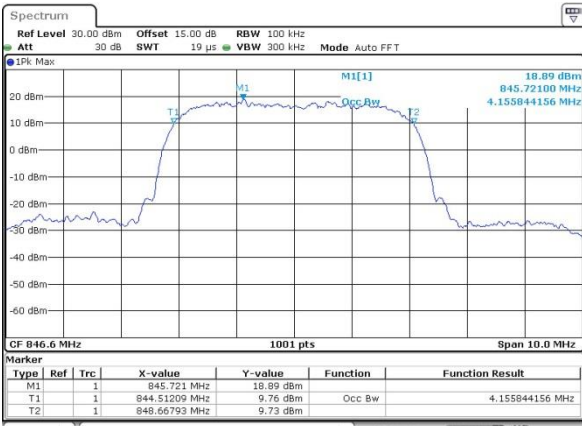
Date: 16_SEP_2024 03:19:01

Middle Channel



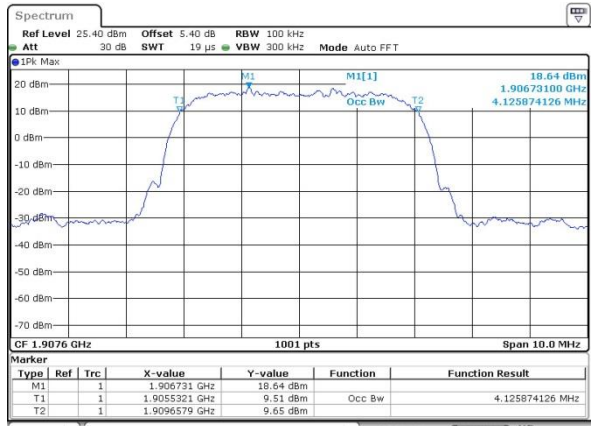
Date: 16_SEP_2024 01:12:21

Highest Channel



Date: 16_SEP_2024 03:19:18

Highest Channel

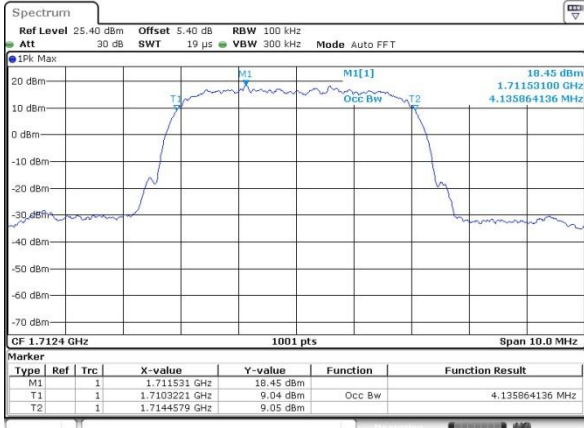


Date: 16_SEP_2024 01:12:37



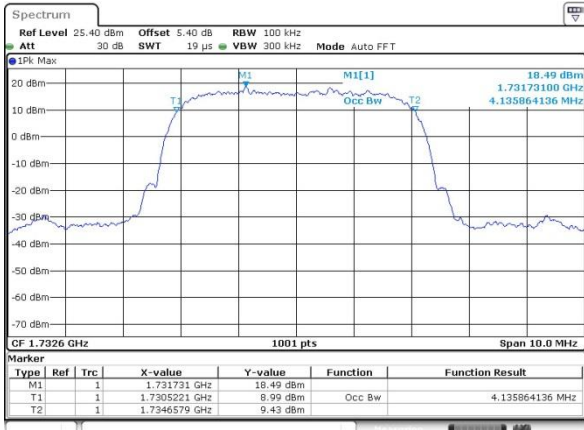
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



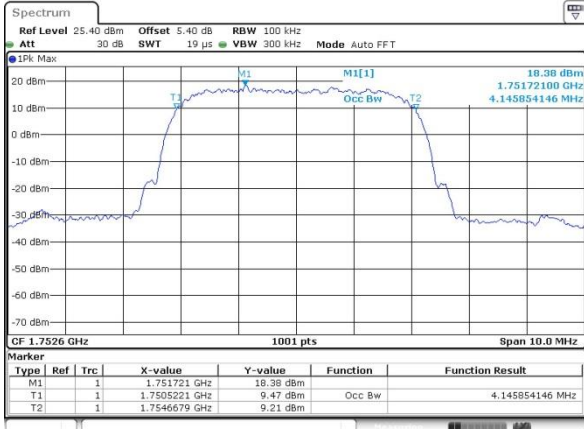
Date: 16_SEP_2024 01:23:41

Middle Channel



Date: 16_SEP_2024 01:24:07

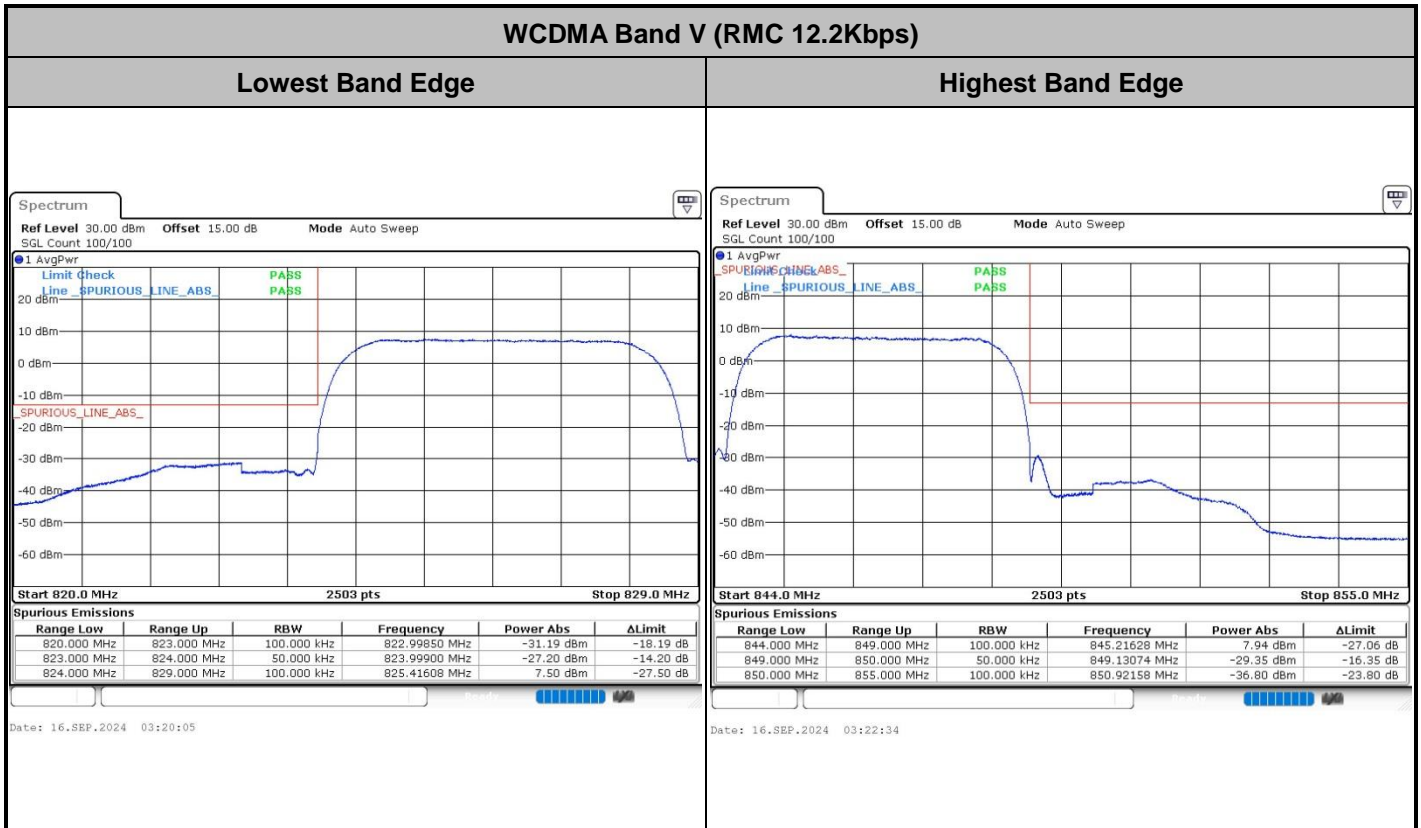
Highest Channel



Date: 16_SEP_2024 01:24:30



Conducted Band Edge

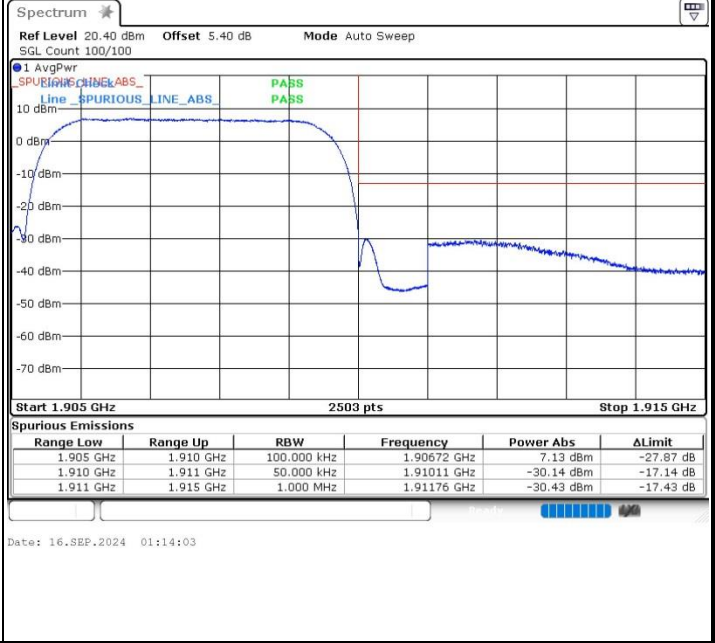
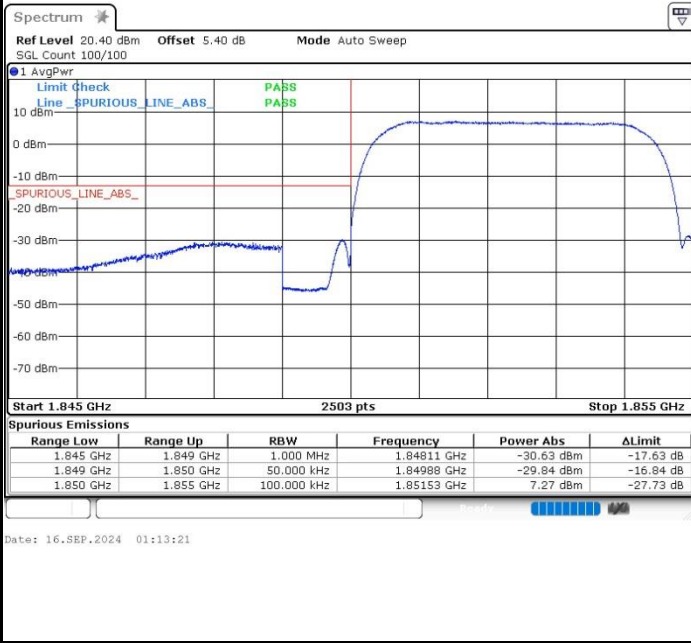




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

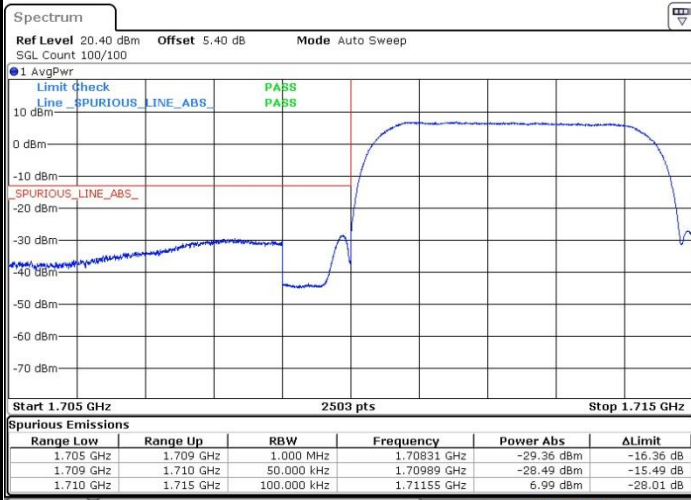




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



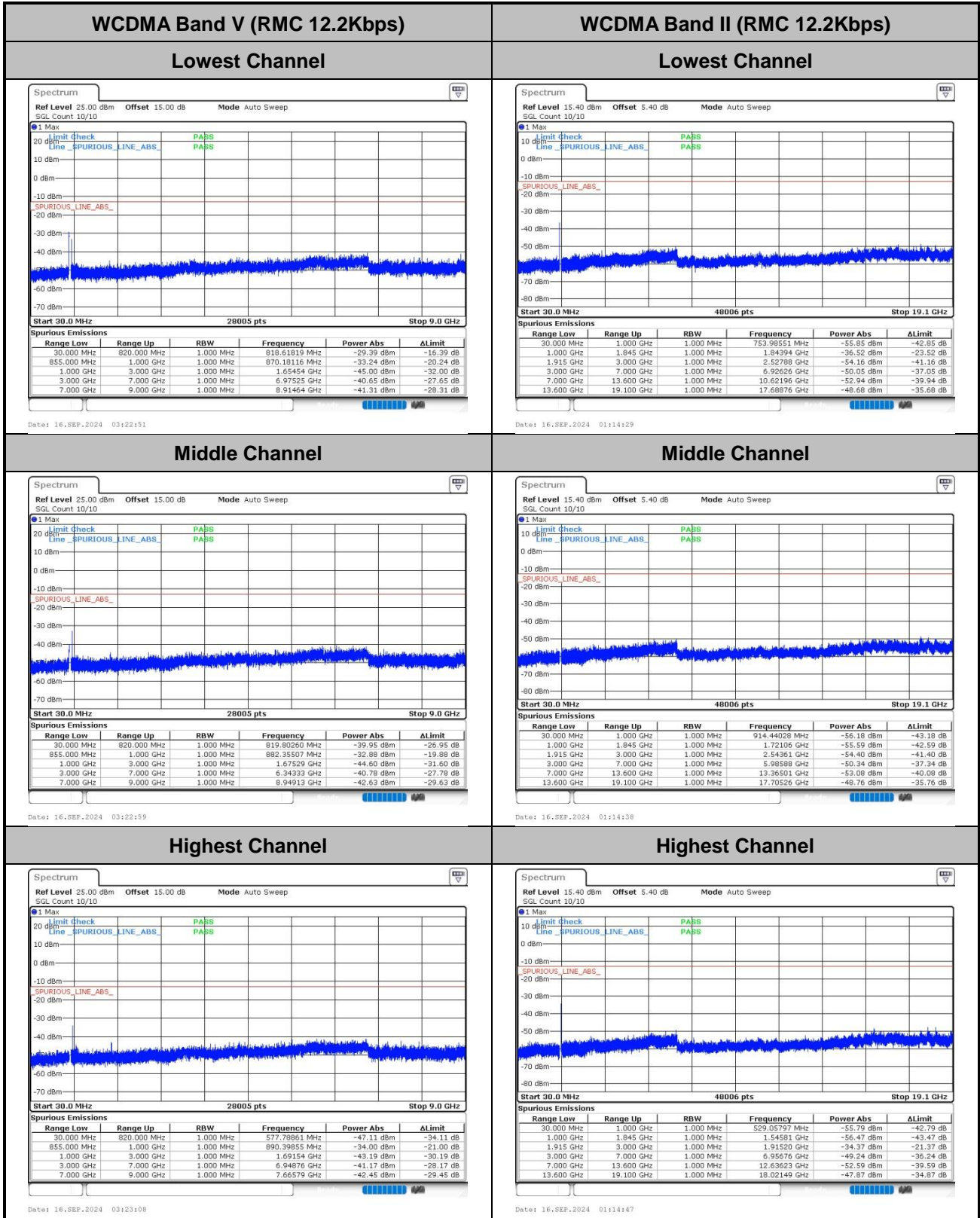
Date: 16.SEP.2024 01:25:23



Date: 16.SEP.2024 01:26:00



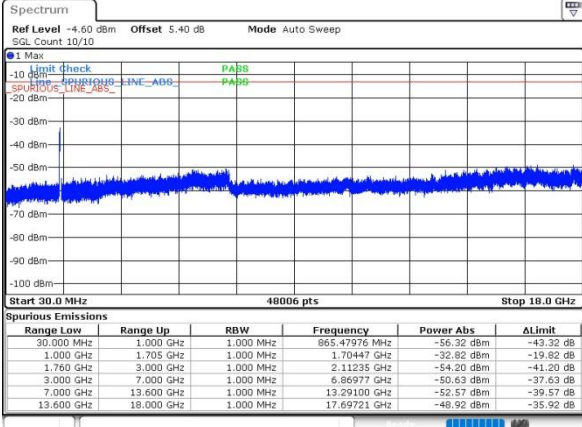
Conducted Spurious Emission





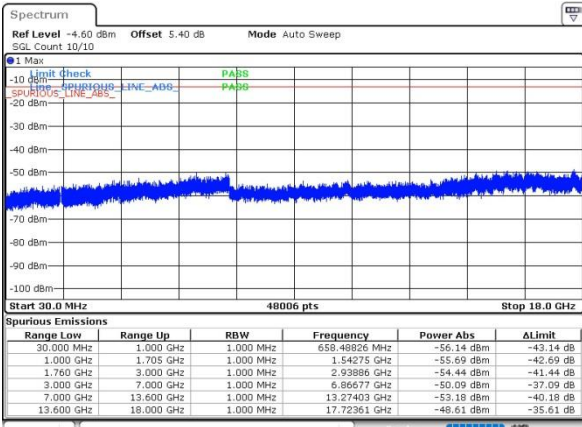
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



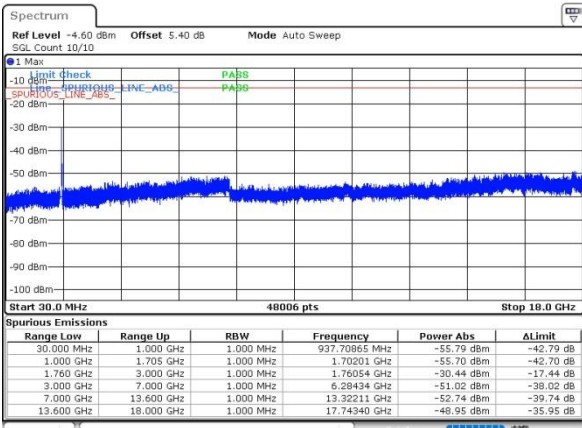
Date: 16_SEP.2024 01:26:17

Middle Channel



Date: 16_SEP.2024 01:26:25

Highest Channel



Date: 16_SEP.2024 01:26:35



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	0.0058	PASS
40	Normal Voltage	0.0377	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0344	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0176	
20	Battery End Point	0.0063	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0169	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0144	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0136	
-10	Normal Voltage	0.0247	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0019	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0146	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0118	

Note:

1. Normal Voltage = 3.8V ; 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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

GSM850 (GSM) / Ant.0								
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)
Lowest	1672	-66.01	-13	-53.01	-72.98	1.58	10.70	H
	2512	-61.30	-13	-48.30	-69.55	2.102	12.50	H
	3344	-61.93	-13	-48.93	-70.82	2.856	13.90	H
	1672	-63.94	-13	-50.94	-70.91	1.58	10.70	V
	2512	-60.17	-13	-47.17	-68.42	2.10	12.50	V
	3344	-61.61	-13	-48.61	-70.50	2.86	13.90	V
Middle	1672	-44.58	-13	-31.58	-51.55	1.58	10.70	H
	2512	-59.66	-13	-46.66	-67.91	2.102	12.50	H
	3344	-59.66	-13	-46.66	-68.55	2.856	13.90	H
	1672	-50.89	-13	-37.89	-57.86	1.58	10.70	V
	2512	-58.73	-13	-45.73	-66.98	2.10	12.50	V
	3344	-60.43	-13	-47.43	-69.32	2.86	13.90	V
Highest	1648	-42.32	-13	-29.32	-49.29	1.58	10.70	H
	2472	-59.77	-13	-46.77	-68.02	2.102	12.50	H
	3296	-57.65	-13	-44.65	-66.54	2.856	13.90	H
	1648	-47.15	-13	-34.15	-54.12	1.58	10.70	V
	2472	-54.20	-13	-41.20	-62.45	2.10	12.50	V
	3296	-61.21	-13	-48.21	-70.10	2.86	13.90	V

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



GSM850 (EDGE 1 Tx slots) / Ant.0								
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)
Lowest	1648	-43.81	-13	-30.81	-50.78	1.58	10.70	H
	2472	-60.57	-13	-47.57	-68.82	2.102	12.50	H
	3296.8	-59.78	-13	-46.78	-68.67	2.856	13.90	H
	1648.4	-46.33	-13	-33.33	-53.30	1.58	10.70	V
	2476.2	-59.68	-13	-46.68	-67.93	2.10	12.50	V
	3296	-60.08	-13	-47.08	-68.97	2.86	13.90	V
Middle	1672	-47.38	-13	-34.38	-54.35	1.58	10.70	H
	2512	-59.02	-13	-46.02	-67.27	2.102	12.50	H
	3345.6	-60.50	-13	-47.50	-69.39	2.856	13.90	H
	1672	-51.21	-13	-38.21	-58.18	1.58	10.70	V
	2509.2	-59.70	-13	-46.70	-67.95	2.10	12.50	V
	3344	-60.80	-13	-47.80	-69.69	2.86	13.90	V
Highest	1696	-48.72	-13	-35.72	-55.69	1.58	10.70	H
	2544	-61.20	-13	-48.20	-69.45	2.102	12.50	H
	3392	-59.98	-13	-46.98	-68.87	2.856	13.90	H
	1696	-54.78	-13	-41.78	-61.75	1.58	10.70	V
	2544	-60.55	-13	-47.55	-68.80	2.10	12.50	V
	3392	-59.71	-13	-46.71	-68.60	2.86	13.90	V

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



GSM1900 (GSM) / Ant.1								
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)
Lowest	3705	-55.53	-13	-42.53	-67.79	2.64	14.90	H
	5550.6	-55.37	-13	-42.37	-67.23	2.94	14.80	H
	7400.8	-54.79	-13	-41.79	-64.56	3.39	13.16	H
	3705	-55.90	-13	-42.90	-68.16	2.64	14.90	V
	5550.6	-55.61	-13	-42.61	-67.47	2.94	14.80	V
	7400.8	-54.97	-13	-41.97	-64.74	3.39	13.16	V
Middle	3765	-56.31	-13	-43.31	-68.57	2.64	14.90	H
	5640	-55.33	-13	-42.33	-67.19	2.94	14.80	H
	7515	-54.47	-13	-41.47	-64.24	3.39	13.16	H
	3765	-55.57	-13	-42.57	-67.83	2.64	14.90	V
	5640	-55.07	-13	-42.07	-66.93	2.94	14.80	V
	7515	-53.86	-13	-40.86	-63.63	3.39	13.16	V
Highest	3825	-56.37	-13	-43.37	-68.63	2.64	14.90	H
	5729.4	-54.99	-13	-41.99	-66.85	2.94	14.80	H
	7639.2	-53.55	-13	-40.55	-63.32	3.39	13.16	H
	3819.6	-55.89	-13	-42.89	-68.15	2.64	14.90	V
	5729.4	-55.33	-13	-42.33	-67.19	2.94	14.80	V
	7635	-54.03	-13	-41.03	-63.80	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) / Ant.1								
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)
Lowest	3705	-55.80	-13	-42.80	-68.06	2.64	14.90	H
	5550	-55.52	-13	-42.52	-67.38	2.94	14.80	H
	7395	-54.56	-13	-41.56	-64.33	3.39	13.16	H
	3705	-56.00	-13	-43.00	-68.26	2.64	14.90	V
	5550.6	-55.38	-13	-42.38	-67.24	2.94	14.80	V
	7400.8	-54.81	-13	-41.81	-64.58	3.39	13.16	V
Middle	3765	-55.94	-13	-42.94	-68.20	2.64	14.90	H
	5640	-55.02	-13	-42.02	-66.88	2.94	14.80	H
	7520	-54.42	-13	-41.42	-64.19	3.39	13.16	H
	3760	-55.57	-13	-42.57	-67.83	2.64	14.90	V
	5640	-55.56	-13	-42.56	-67.42	2.94	14.80	V
	7515	-54.13	-13	-41.13	-63.90	3.39	13.16	V
Highest	3825	-56.17	-13	-43.17	-68.43	2.64	14.90	H
	5730	-54.69	-13	-41.69	-66.55	2.94	14.80	H
	7635	-53.70	-13	-40.70	-63.47	3.39	13.16	H
	3825	-55.89	-13	-42.89	-68.15	2.64	14.90	V
	5730	-55.27	-13	-42.27	-67.13	2.94	14.80	V
	7635	-53.89	-13	-40.89	-63.66	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) / Ant.0								
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)
Lowest	1656	-62.40	-13	-49.40	-69.37	1.58	10.70	H
	2480	-61.48	-13	-48.48	-69.73	2.102	12.50	H
	3304	-60.22	-13	-47.22	-69.11	2.856	13.90	H
	1656	-64.57	-13	-51.57	-71.54	1.58	10.70	V
	2479	-55.93	-13	-42.93	-64.18	2.10	12.50	V
	3304	-60.28	-13	-47.28	-69.17	2.86	13.90	V
Middle	1672	-59.60	-13	-46.60	-66.57	1.58	10.70	H
	2512	-60.13	-13	-47.13	-68.38	2.102	12.50	H
	3344	-60.46	-13	-47.46	-69.35	2.856	13.90	H
	1672	-62.91	-13	-49.91	-69.88	1.58	10.70	V
	2512	-59.44	-13	-46.44	-67.69	2.10	12.50	V
	3344	-60.50	-13	-47.50	-69.39	2.86	13.90	V
Highest	1696	-63.61	-13	-50.61	-70.58	1.58	10.70	H
	2536	-60.51	-13	-47.51	-68.76	2.102	12.50	H
	3384	-59.92	-13	-46.92	-68.81	2.856	13.90	H
	1696	-63.53	-13	-50.53	-70.50	1.58	10.70	V
	2539.8	-59.92	-13	-46.92	-68.17	2.10	12.50	V
	3386.4	-59.77	-13	-46.77	-68.66	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) / Ant.1								
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)
Lowest	3705	-55.75	-13	-42.75	-68.01	2.64	14.90	H
	5557.2	-55.39	-13	-42.39	-67.25	2.94	14.80	H
	7410	-54.98	-13	-41.98	-64.75	3.39	13.16	H
	3705	-55.57	-13	-42.57	-67.83	2.64	14.90	V
	5557.2	-55.26	-13	-42.26	-67.12	2.94	14.80	V
	7409.6	-55.04	-13	-42.04	-64.81	3.39	13.16	V
Middle	3765	-55.93	-13	-42.93	-68.19	2.64	14.90	H
	5640	-55.40	-13	-42.40	-67.26	2.94	14.80	H
	7520	-54.53	-13	-41.53	-64.30	3.39	13.16	H
	3765	-55.93	-13	-42.93	-68.19	2.64	14.90	V
	5640	-55.72	-13	-42.72	-67.58	2.94	14.80	V
	7520	-54.38	-13	-41.38	-64.15	3.39	13.16	V
Highest	3810	-56.08	-13	-43.08	-68.34	2.64	14.90	H
	5730	-54.57	-13	-41.57	-66.43	2.94	14.80	H
	7635	-53.52	-13	-40.52	-63.29	3.39	13.16	H
	3810	-55.62	-13	-42.62	-67.88	2.64	14.90	V
	5730	-54.70	-13	-41.70	-66.56	2.94	14.80	V
	7635	-53.73	-13	-40.73	-63.50	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) / Ant.1								
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)
Lowest	3420	-57.77	-13	-44.77	-68.51	2.604	13.34	H
	5130	-54.69	-13	-41.69	-65.20	3.011	13.52	H
	6855	-55.74	-13	-42.74	-65.94	3.271	13.47	H
	3420	-57.94	-13	-44.94	-68.68	2.604	13.34	V
	5130	-53.86	-13	-40.86	-64.37	3.011	13.52	V
	6855	-56.07	-13	-43.07	-66.27	3.271	13.47	V
Middle	3465	-57.10	-13	-44.10	-67.84	2.604	13.34	H
	5205	-54.91	-13	-41.91	-65.42	3.011	13.52	H
	6930	-55.73	-13	-42.73	-65.93	3.271	13.47	H
	3465	-57.71	-13	-44.71	-68.45	2.604	13.34	V
	5205	-54.93	-13	-41.93	-65.44	3.011	13.52	V
	6930	-55.43	-13	-42.43	-65.63	3.271	13.47	V
Highest	3510	-57.55	-13	-44.55	-68.29	2.604	13.34	H
	5265	-55.31	-13	-42.31	-65.82	3.011	13.52	H
	7005	-55.40	-13	-42.40	-65.60	3.271	13.47	H
	3510	-58.14	-13	-45.14	-68.88	2.604	13.34	V
	5265	-55.23	-13	-42.23	-65.74	3.011	13.52	V
	7005	-55.15	-13	-42.15	-65.35	3.271	13.47	V

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