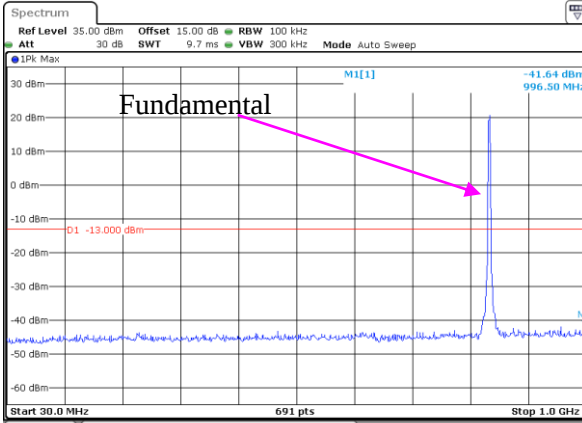
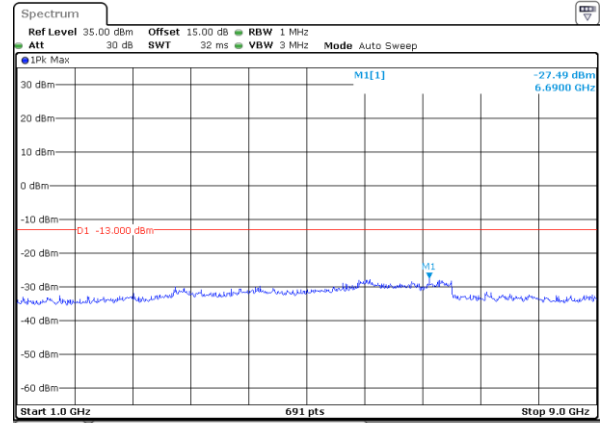


30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel



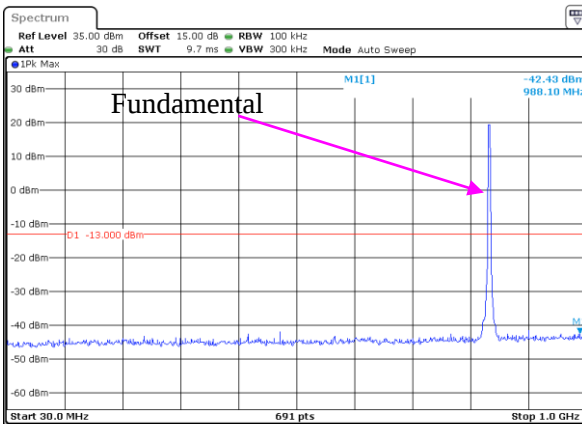
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:09:59

1 GHz – 9 GHz WCDMA (Rel 99) Mode, Middle channel



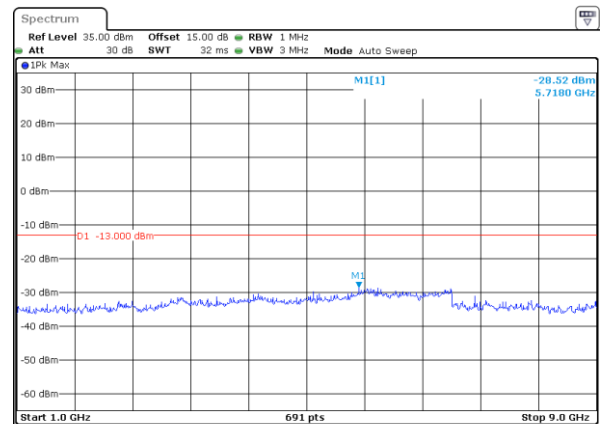
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:16:03

30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



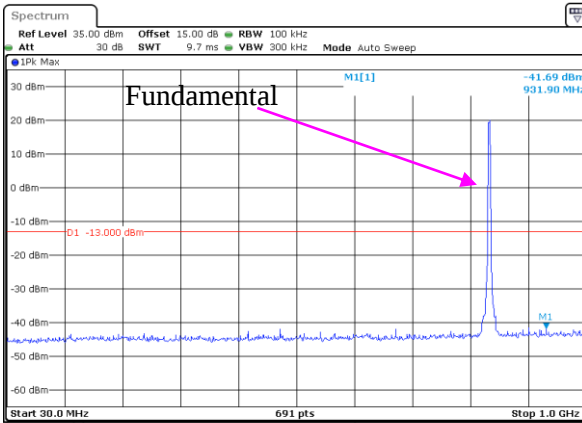
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:10:51

1 GHz – 9 GHz WCDMA (HSDPA) Mode, Middle channel



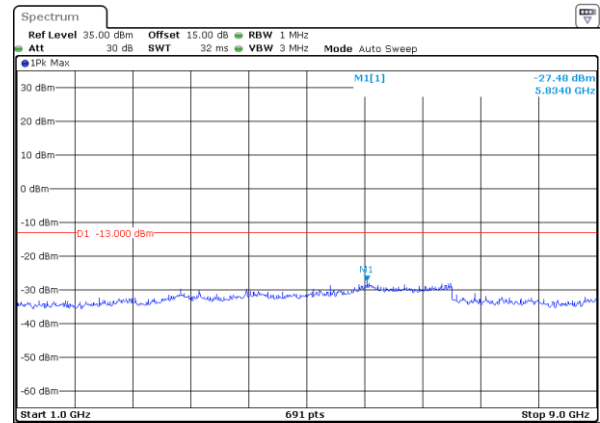
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:16:20

30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



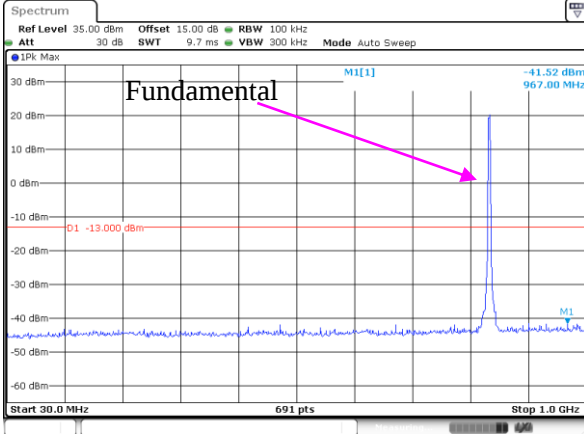
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:11:08

1 GHz – 9 GHz WCDMA (HSUPA) Mode, Middle channel

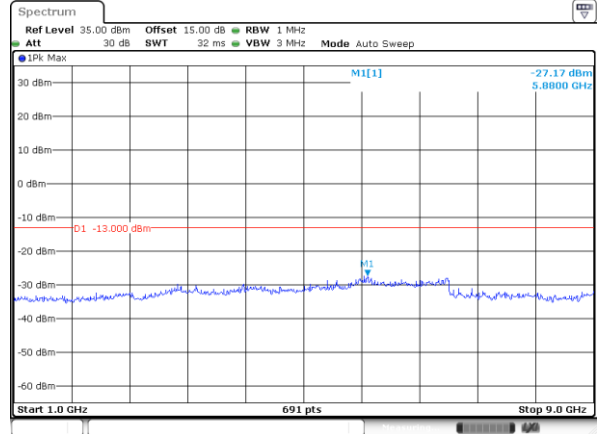


ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:16:30

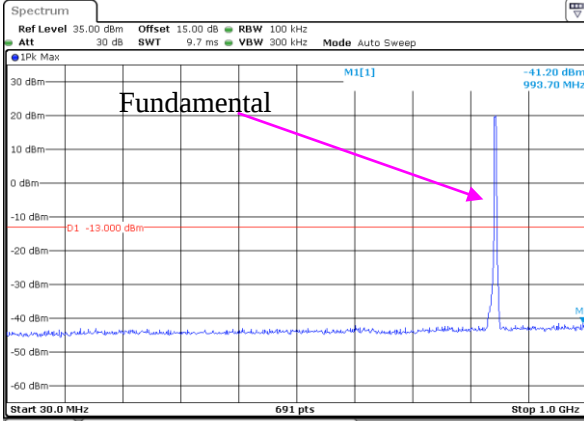
30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



1 GHz – 9 GHz WCDMA (HSPA+) Mode, Middle channel

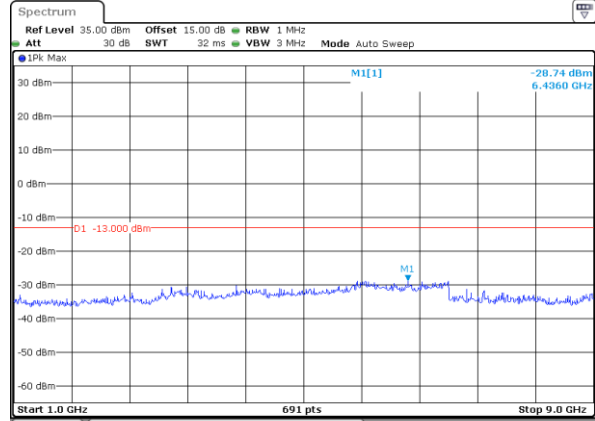


30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel



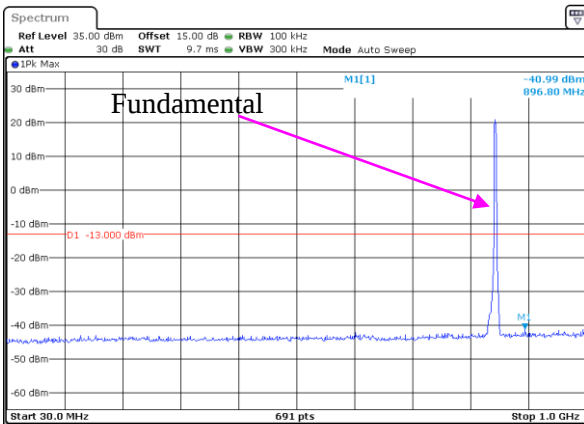
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:07:06

1 GHz – 9 GHz WCDMA (Rel 99) Mode, High channel



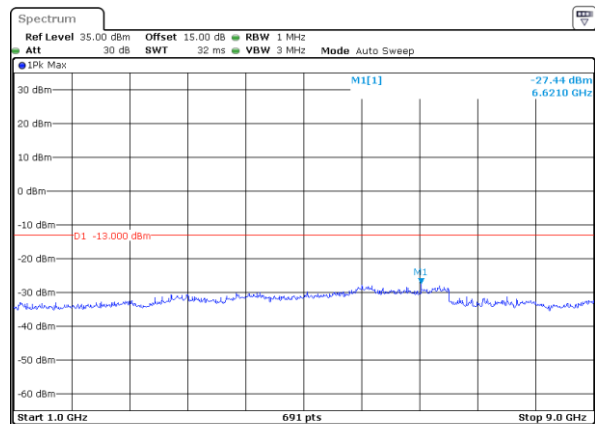
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:16:51

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



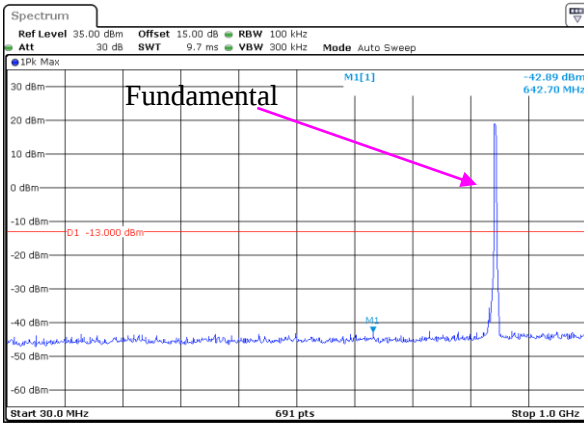
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:07:38

1 GHz – 9 GHz WCDMA (HSDPA) Mode, High channel



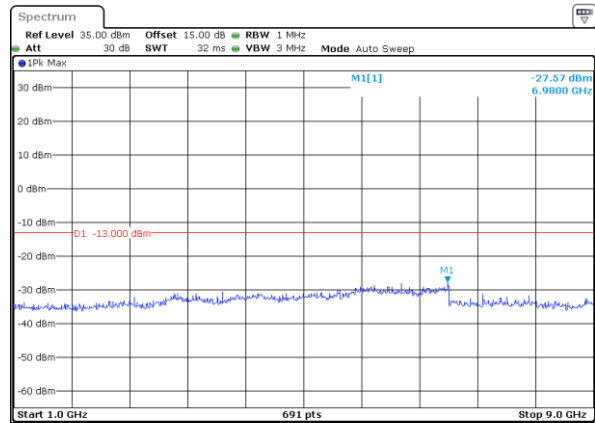
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:17:11

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



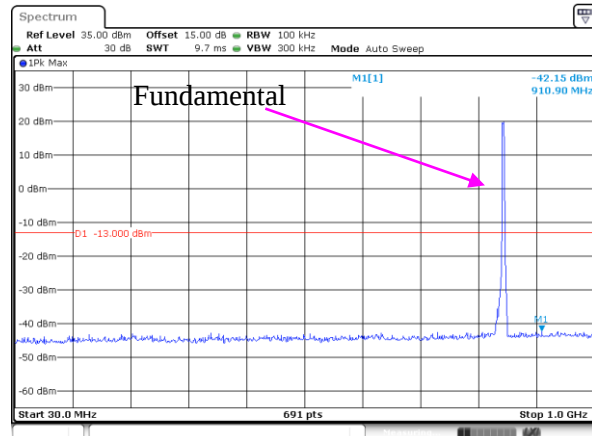
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:08:07

1 GHz – 9 GHz WCDMA (HSUPA) Mode, High channel



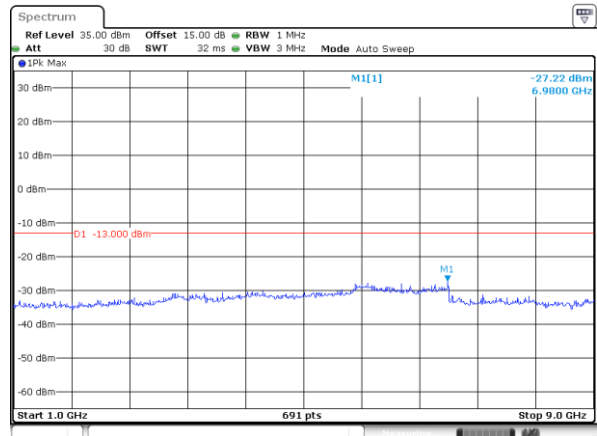
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:17:26

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:08:42

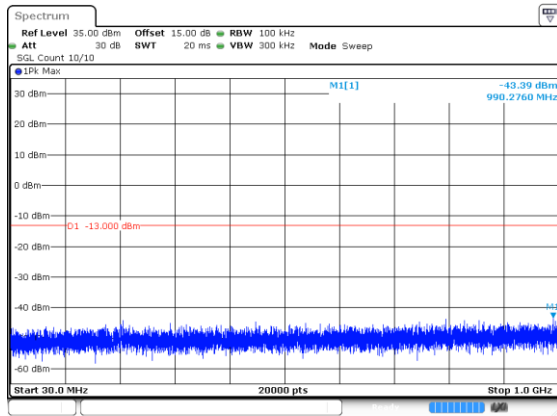
1 GHz – 9 GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:17:36

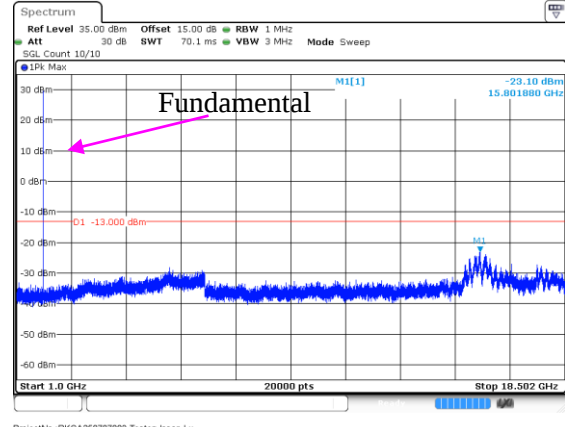
PCS 1900 Band:

30 MHz – 1GHz (GPRS Mode), Low channel



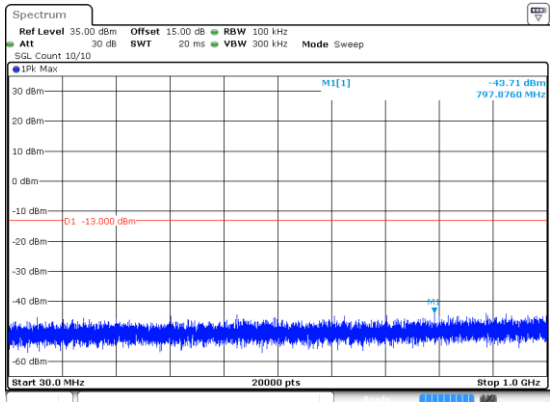
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:26:38

1 GHz – 18.502 GHz (GPRS Mode), Low channel



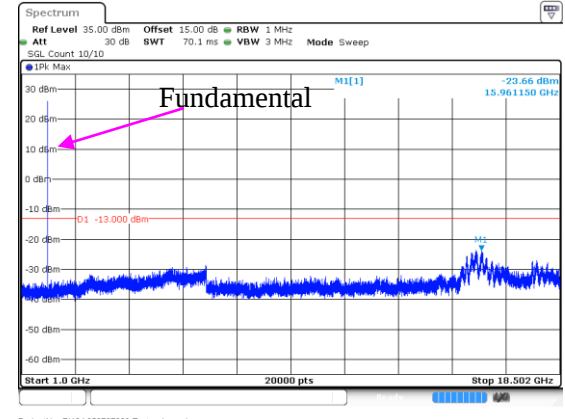
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:26:51

30 MHz – 1GHz (EGPRS Mode), Low channel



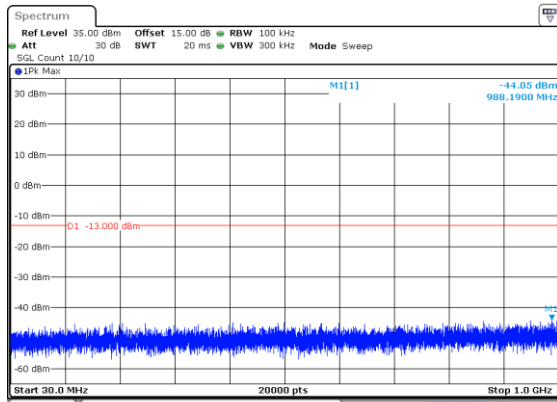
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:25:42

1 GHz – 18.502 GHz (EGPRS Mode), Low channel



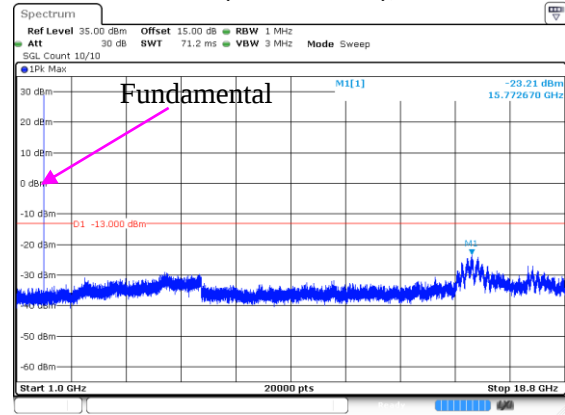
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:25:50

30 MHz – 1GHz (GPRS Mode), Middle channel



ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:17:09

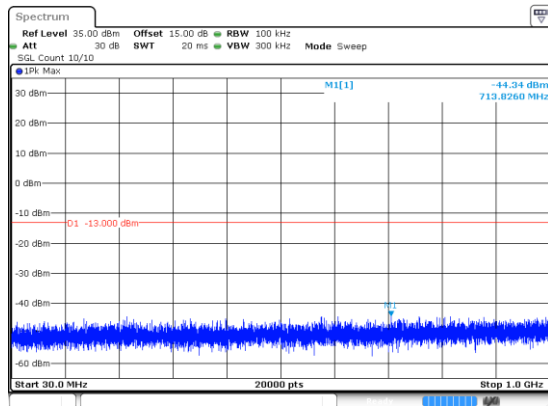
1 GHz – 18.8 GHz (GPRS Mode), Middle channel



ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 25 JUL 2025 16:17:17

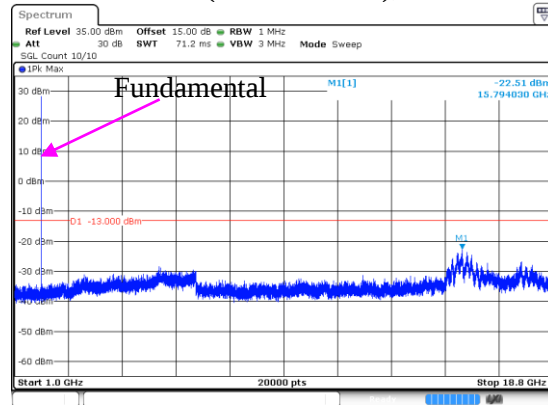
PCS 1900 Band:

30 MHz – 1GHz (EGPRS Mode), Middle channel



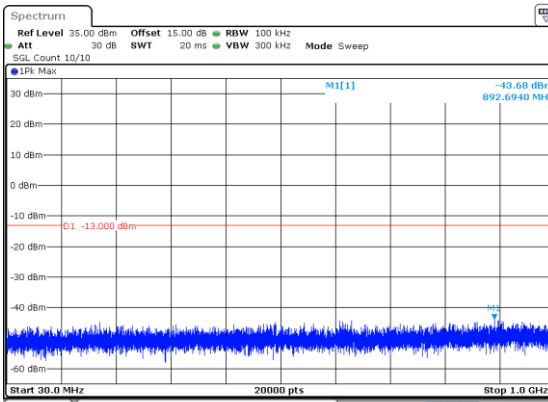
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:18:48

1 GHz – 18.8 GHz (EGPRS Mode), Middle channel



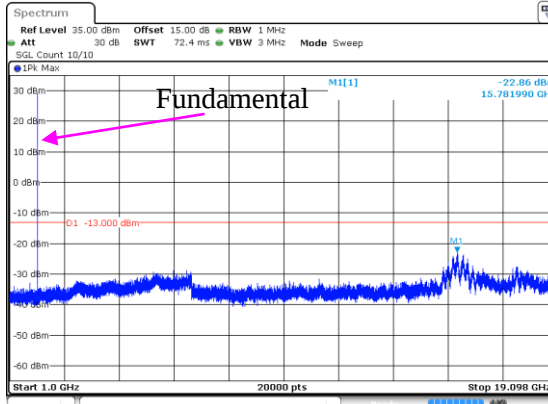
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:18:55

30 MHz – 1GHz (GPRS Mode), High channel



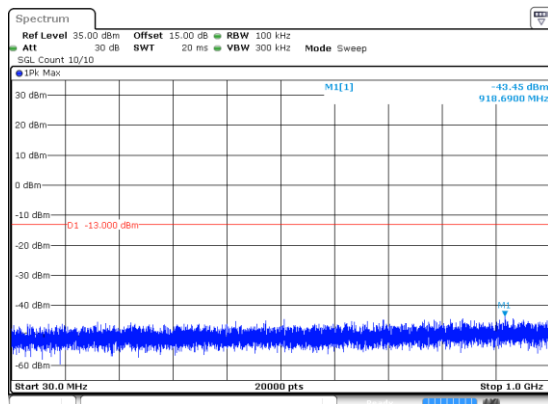
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:17:40

1 GHz – 19.098 GHz (GPRS Mode), High channel



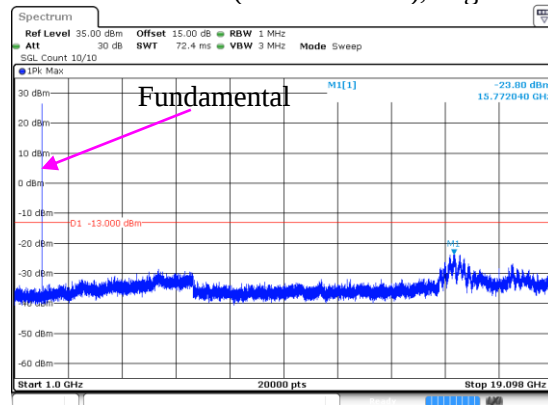
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:17:48

30 MHz – 1GHz(EGPRS Mode), High channel



ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:23:46

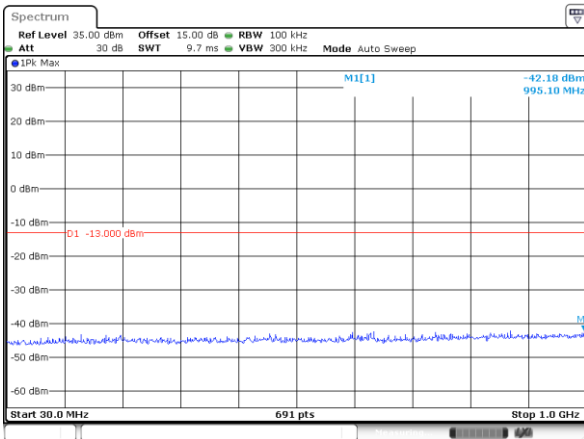
1 GHz – 19.098 GHz (EGPRS Mode), High channel



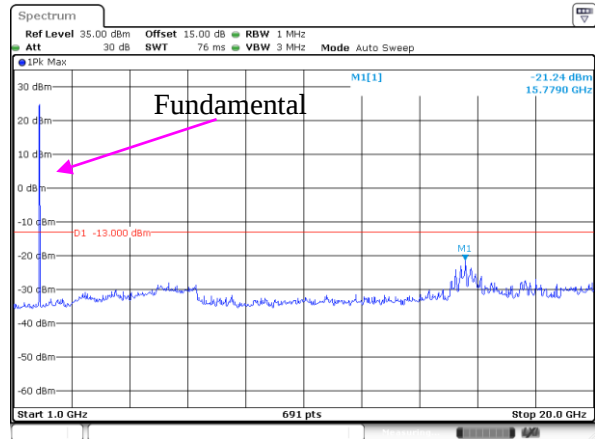
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 25 JUL 2025 16:23:55

WCDMA Band II:

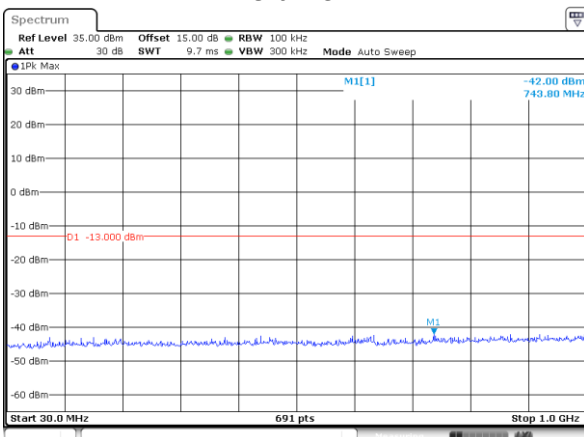
30 MHz – 1GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:58:19

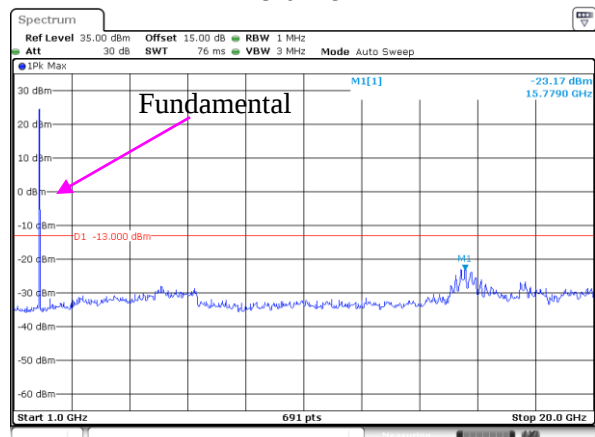
1 GHz – 20 GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:42:33

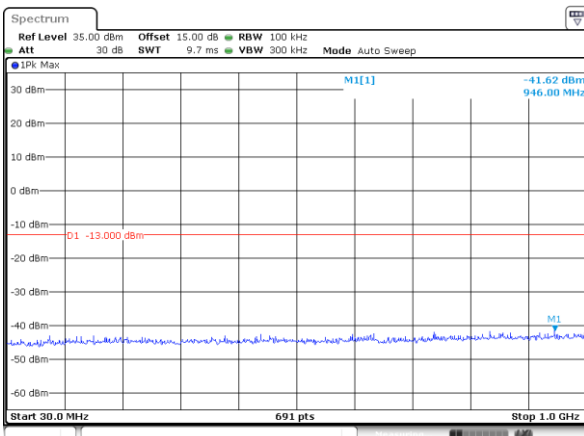
30 MHz – 1GHz WCDMA (HSDPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:58:33

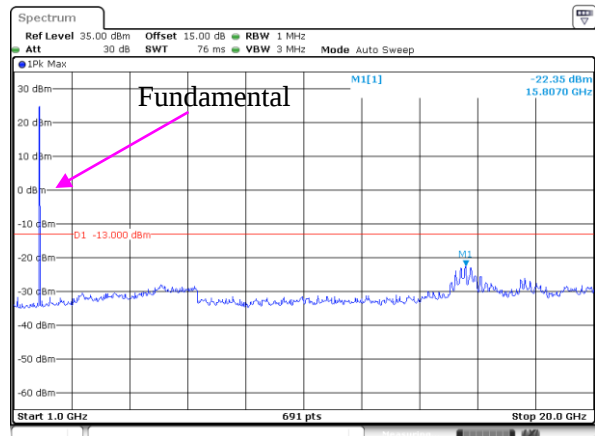
1 GHz – 20 GHz WCDMA (HSDPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:43:19

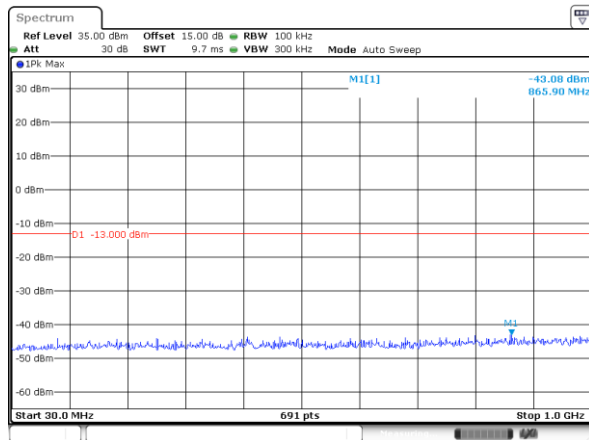
30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:58:47

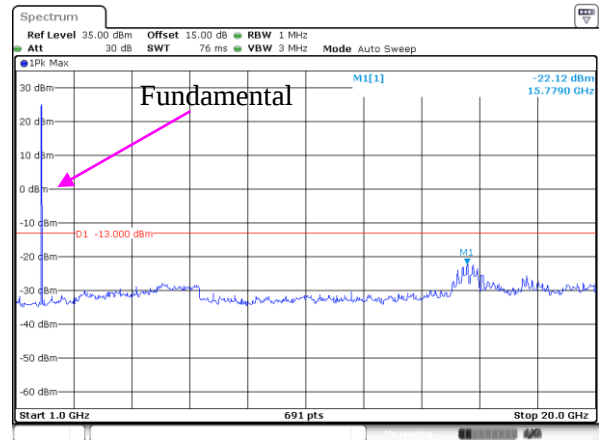
1 GHz – 20 GHz WCDMA (HSUPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:43:41

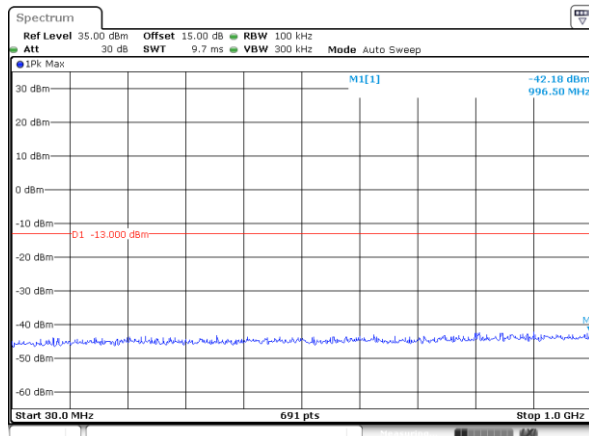
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel



1 GHz – 20 GHz WCDMA (HSPA+) Mode, Low channel

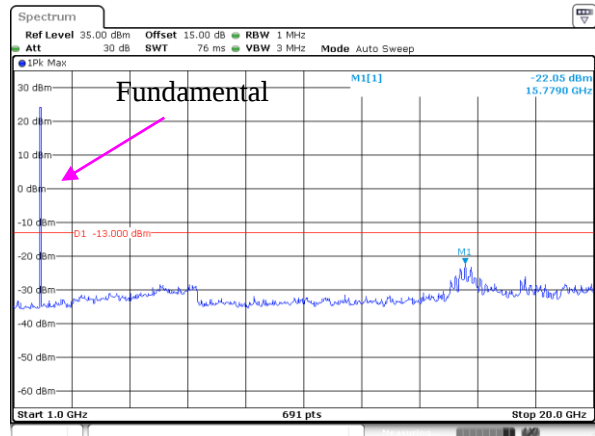


30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel



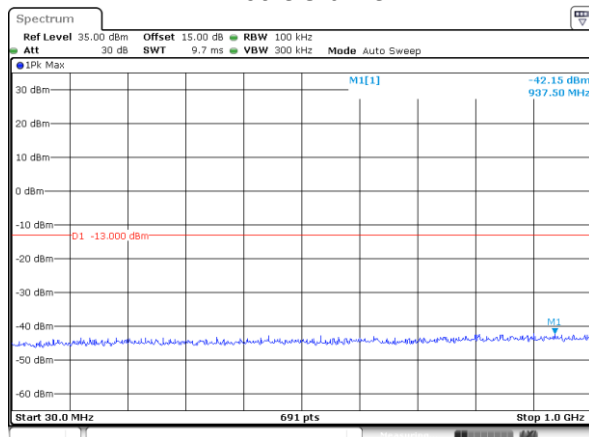
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:59:17

1 GHz – 20 GHz WCDMA (Rel 99) Mode, Middle channel



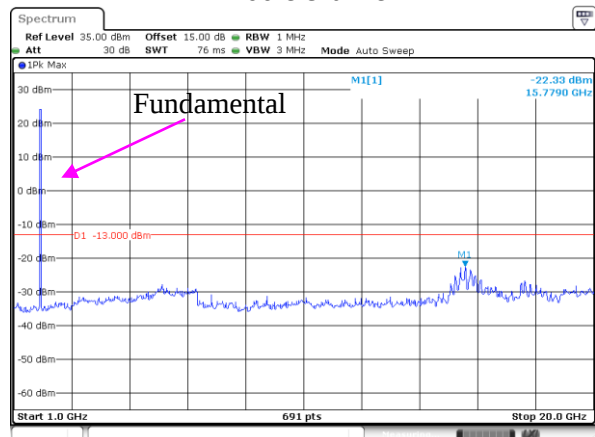
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:44:42

30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



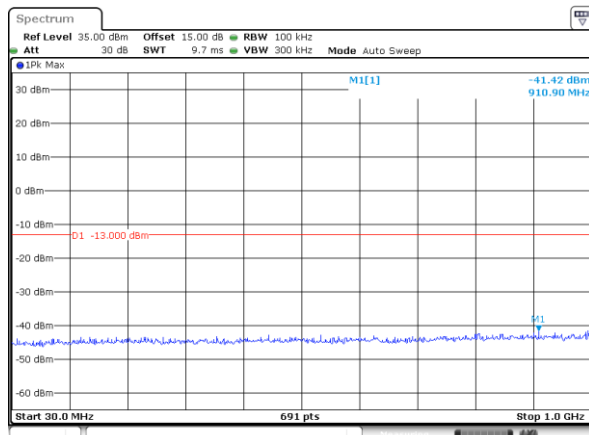
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:59:34

1 GHz – 20 GHz WCDMA (HSDPA) Mode, Middle channel



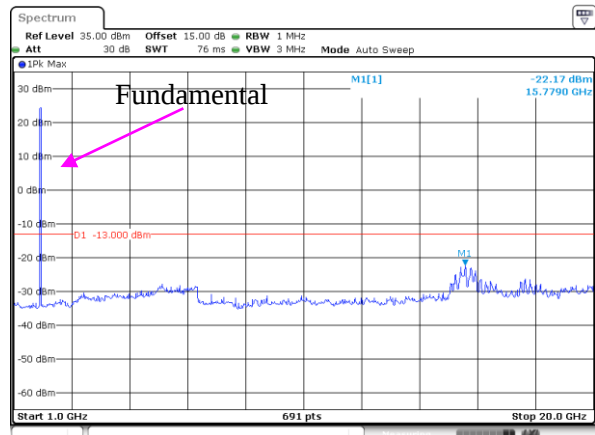
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:45:06

30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



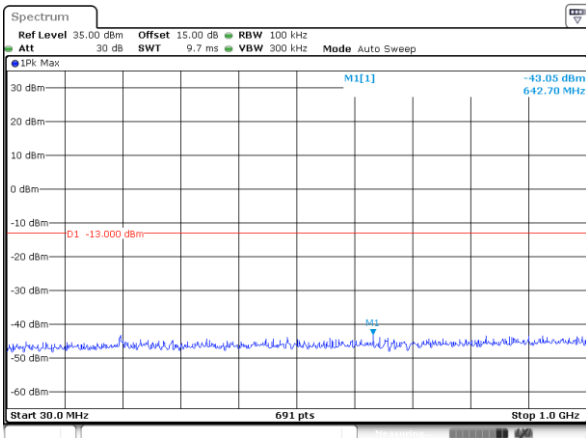
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:59:46

1 GHz – 20 GHz WCDMA (HSUPA) Mode, Middle channel



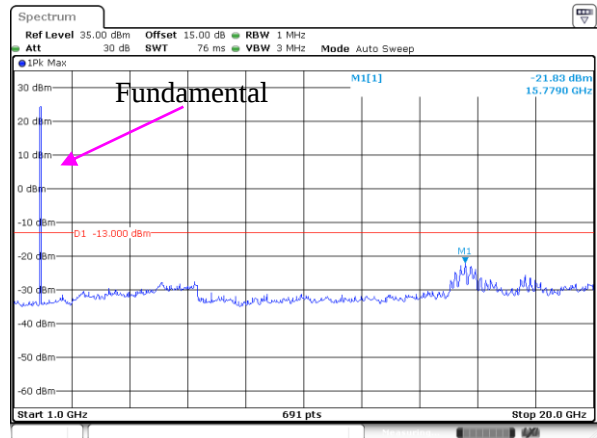
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:45:19

30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



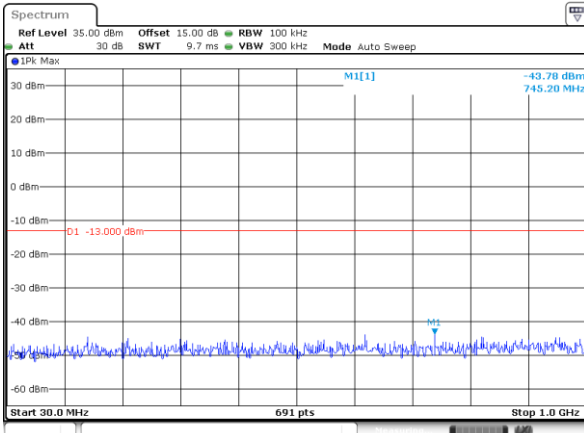
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:59:56

1 GHz – 20 GHz WCDMA (HSPA+) Mode, Middle channel



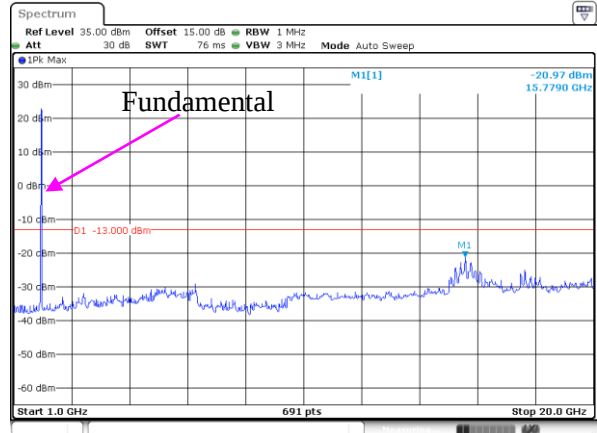
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:45:30

30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel



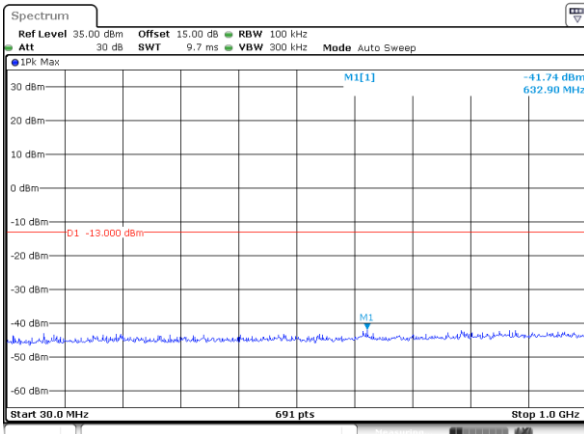
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:57:11

1 GHz – 20 GHz WCDMA (Rel 99) Mode, High channel



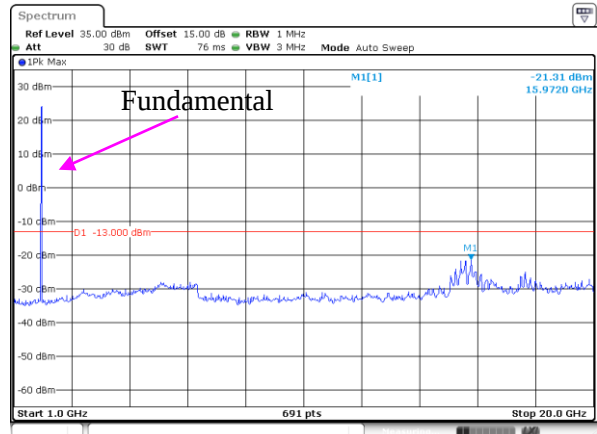
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:39:42

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



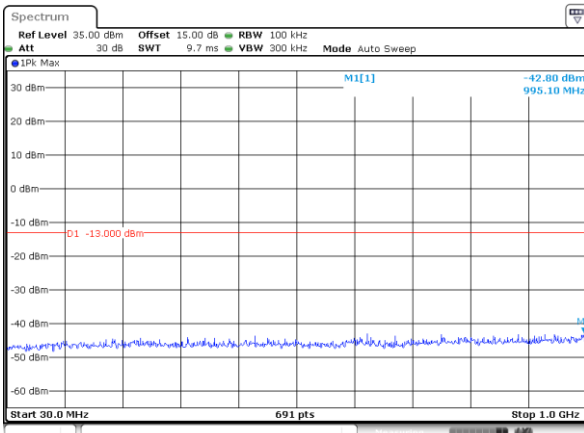
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:57:41

1 GHz – 20 GHz WCDMA (HSDPA) Mode, High channel



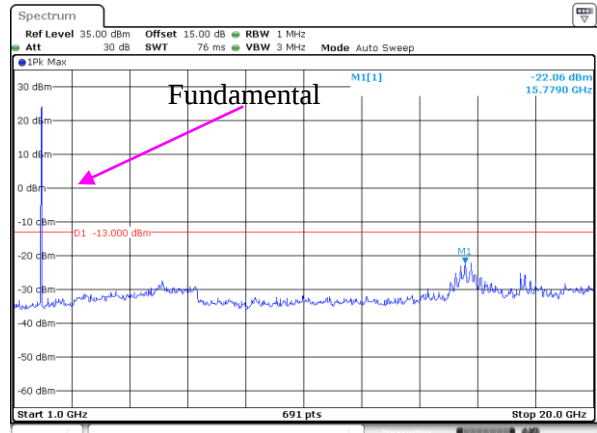
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:40:22

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



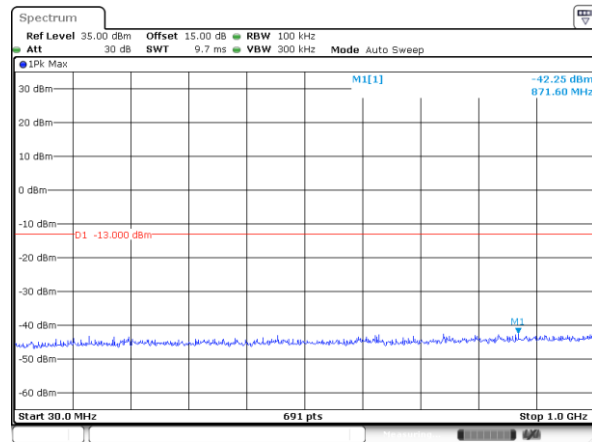
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:57:57

1 GHz – 20 GHz WCDMA (HSUPA) Mode, High channel



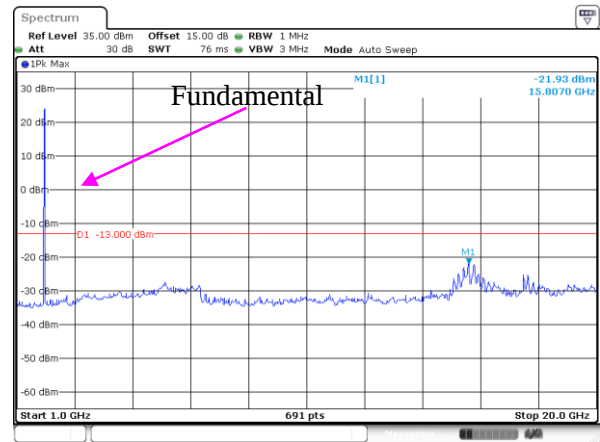
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:41:05

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:58:09

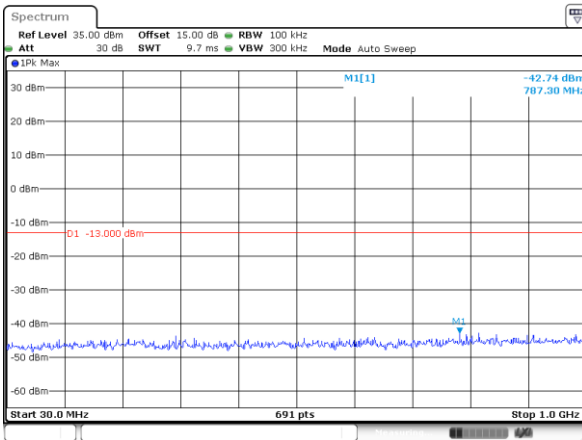
1 GHz – 20 GHz WCDMA (HSPA+) Mode, High channel



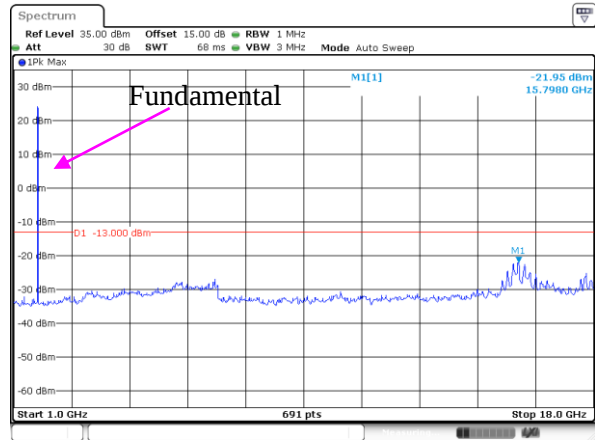
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:41:28

WCDMA Band IV:

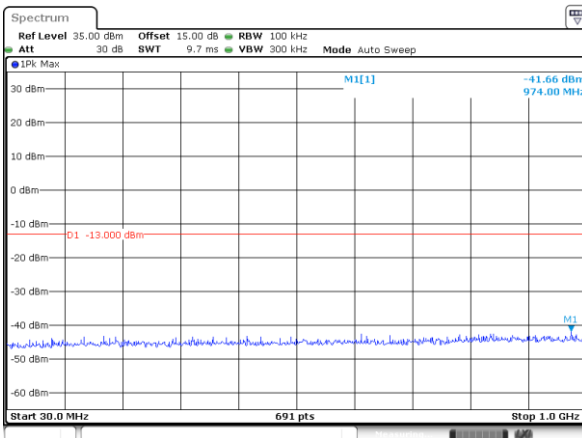
30 MHz – 1GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:03:26

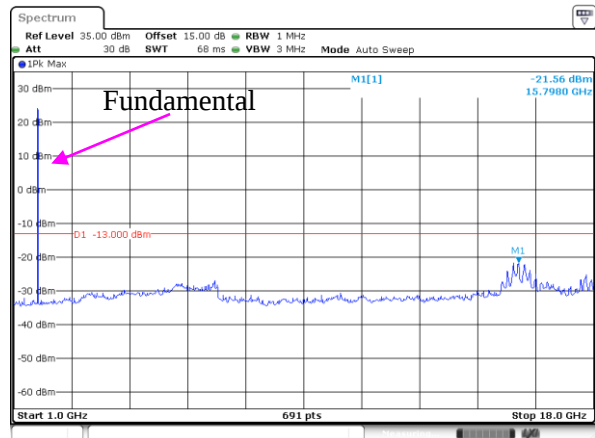
1 GHz – 18 GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:51:24

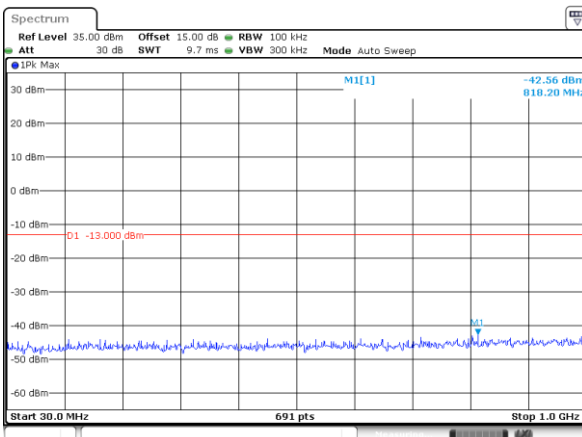
30 MHz – 1GHz WCDMA (HSDPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:03:36

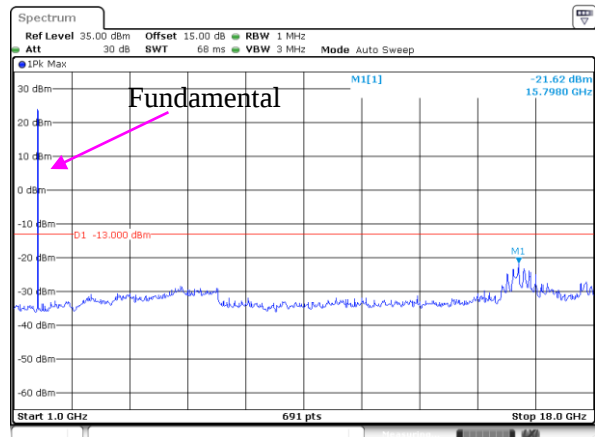
1 GHz – 18 GHz WCDMA (HSDPA) Mode, Low channel

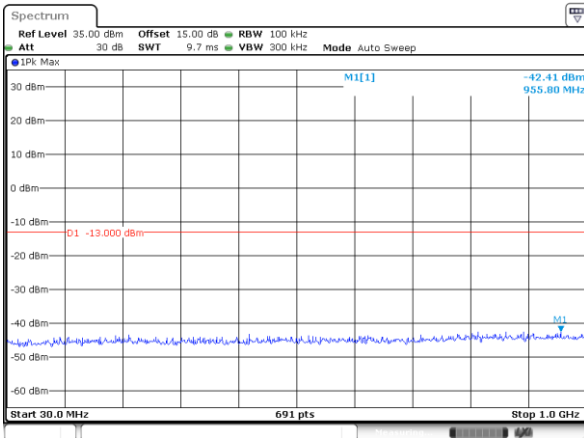
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:52:08

30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel

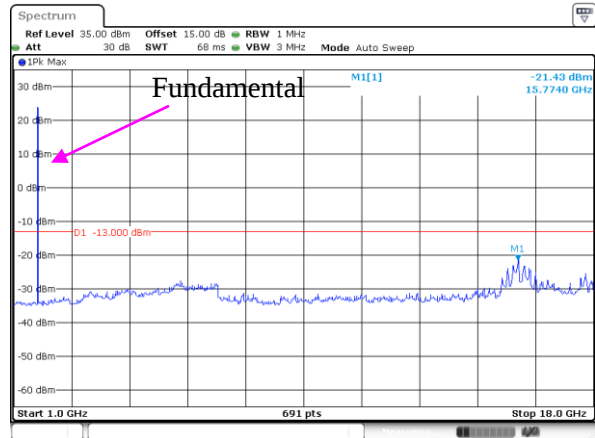
ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:03:56

1 GHz – 18 GHz WCDMA (HSUPA) Mode, Low channel

ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:52:28

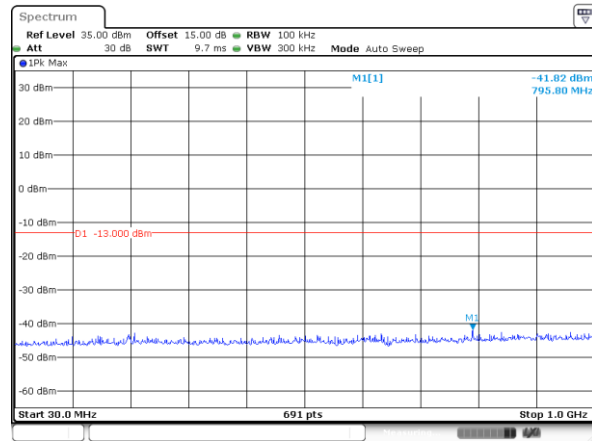
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low
channel

ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:04:05

1 GHz – 18 GHz WCDMA (HSPA+) Mode, Low
channel

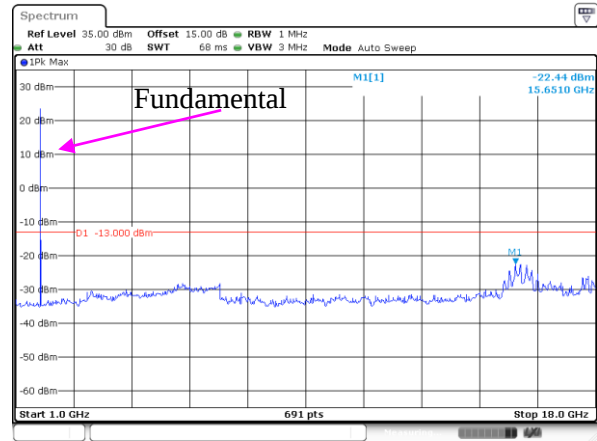
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:52:44

30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel



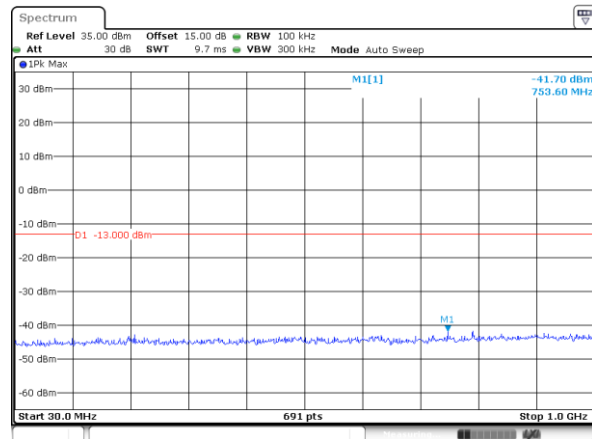
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:00:04

1 GHz – 18 GHz WCDMA (Rel 99) Mode, Middle channel



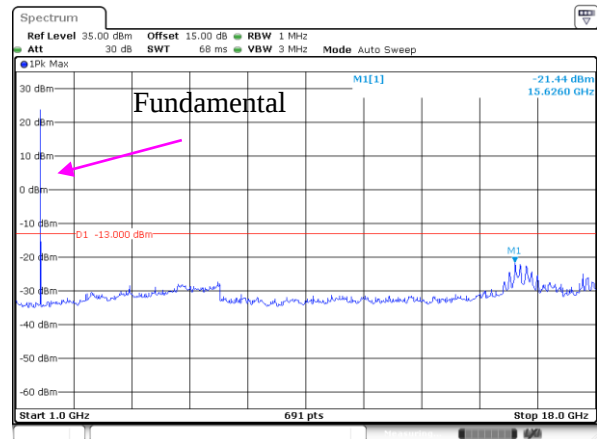
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:54:54

30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



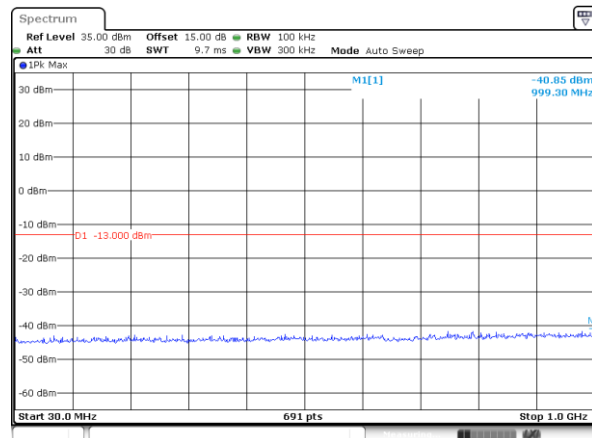
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:00:25

1 GHz – 18 GHz WCDMA (HSDPA) Mode, Middle channel



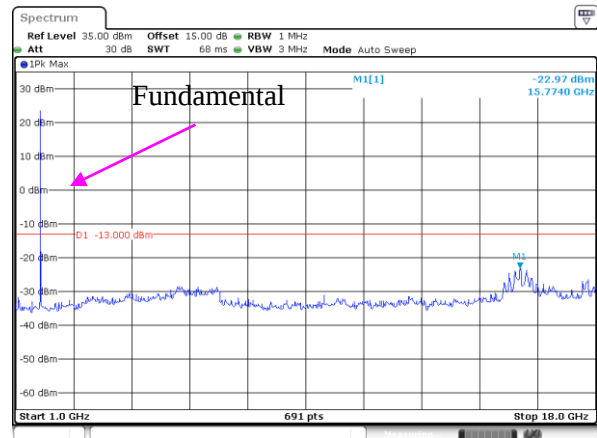
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:55:15

30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



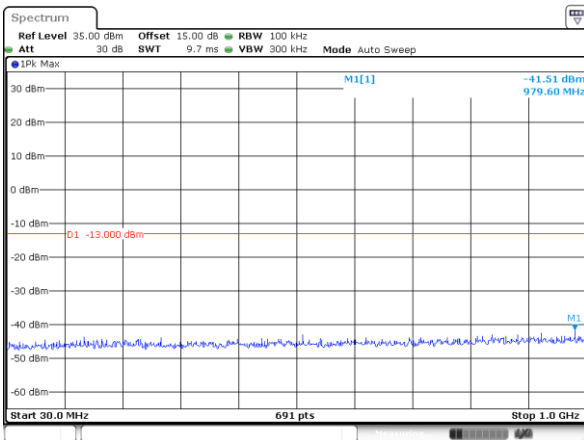
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:02:42

1 GHz – 18 GHz WCDMA (HSUPA) Mode, Middle channel



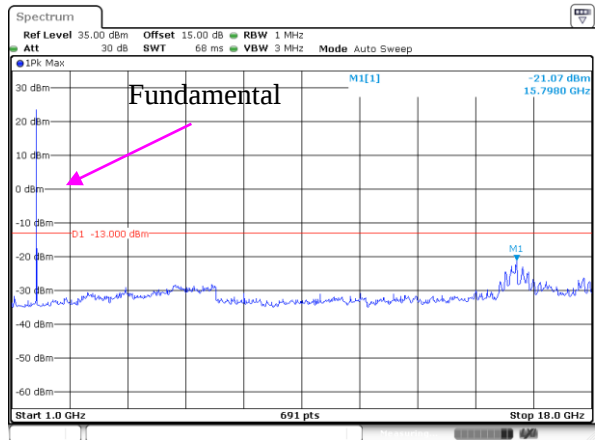
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:55:37

30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



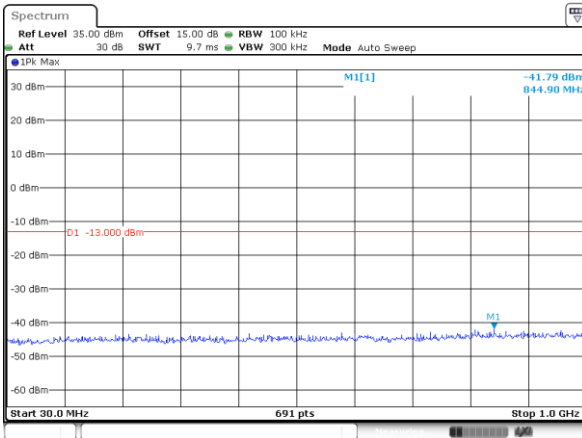
ProjectNo.:RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:02:59

1 GHz – 18 GHz WCDMA (HSPA+) Mode, Middle channel



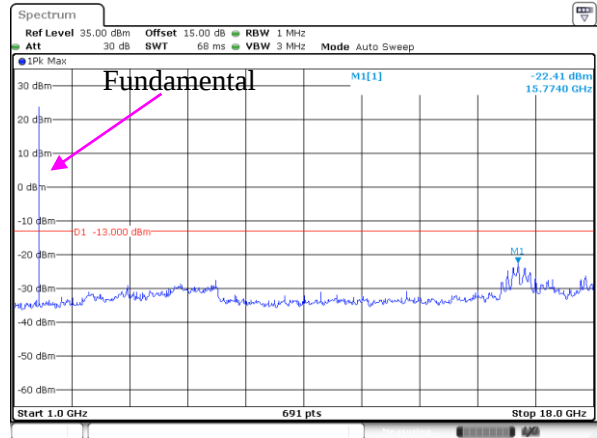
ProjectNo.:RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:55:51

30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel



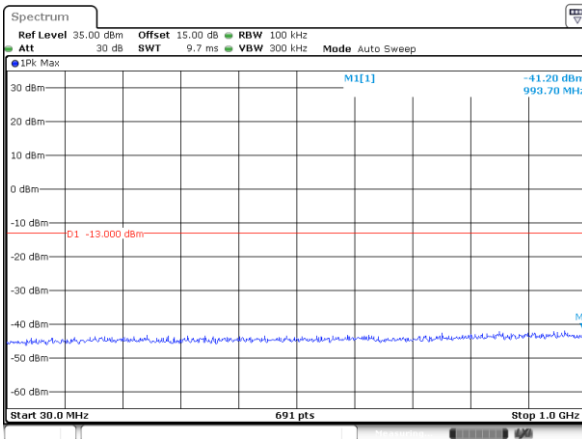
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:04:14

1 GHz – 18 GHz WCDMA (Rel 99) Mode, High channel



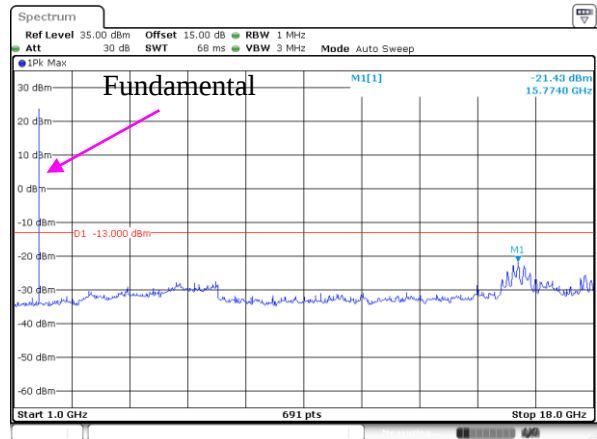
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:49:14

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



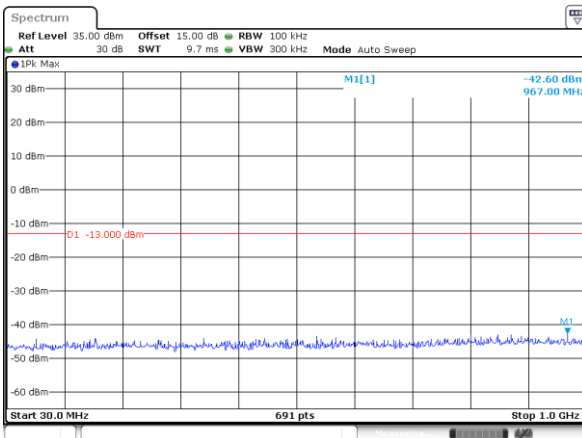
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:05:19

1 GHz – 18 GHz WCDMA (HSDPA) Mode, High channel



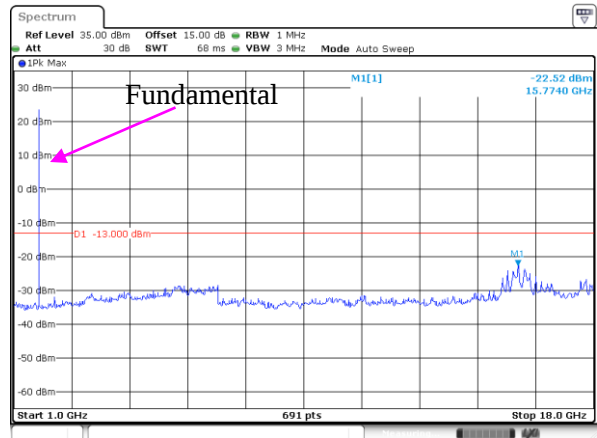
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:49:37

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



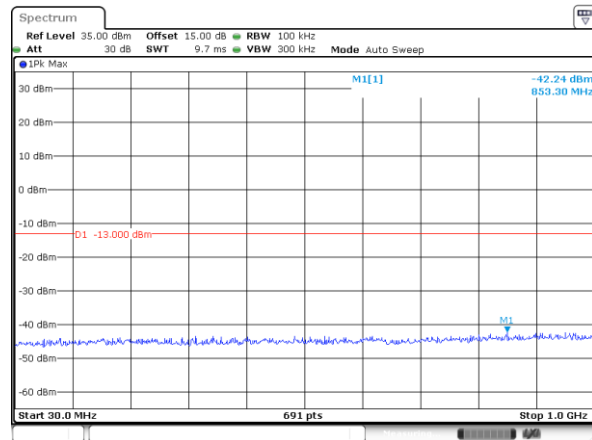
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 14:04:35

1 GHz – 18 GHz WCDMA (HSUPA) Mode, High channel



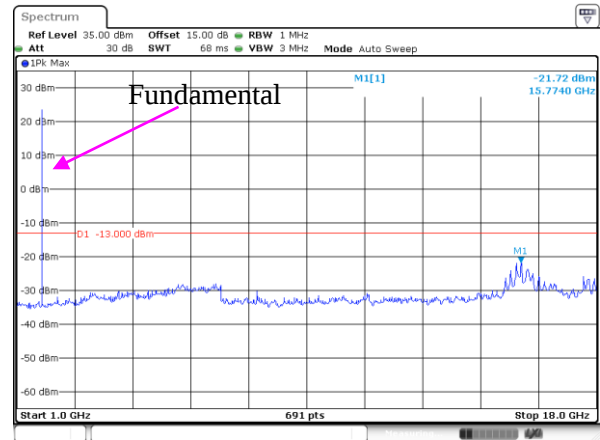
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:50:00

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.:RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 14:04:51

1 GHz – 18 GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.:RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:50:14

SPURIOUS RADIATED EMISSIONS**Environmental Conditions & Test Information**

Test Date:	2025-07-18 to 2025-08-05
Temperature:	25-26 °C
Relative Humidity:	50-53 %
ATM Pressure:	102.5-103.2 kPa
Test Result:	Pass
Test Engineer:	Jason Lu

Test mode: Transmitting (Pre-scan with all the bandwidth, and worst case as below)

30 MHz - 10 GHz:

GPRS 850 Band

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel								
499.12	47.17	H	-55.87	0.58	-1.94	-58.39	-13	45.39
499.12	47.16	V	-54.96	0.58	-1.94	-57.48	-13	44.48
1648.40	46.80	H	-66.55	0.84	8.44	-58.95	-13	45.95
1648.40	45.75	V	-67.60	0.84	8.44	-60.00	-13	47.00
GPRS Mode, Middle channel								
499.12	47.69	H	-55.35	0.58	-1.94	-57.87	-13	44.87
499.12	47.75	V	-54.37	0.58	-1.94	-56.89	-13	43.89
1673.20	47.58	H	-65.59	0.84	8.48	-57.95	-13	44.95
1673.20	45.87	V	-67.30	0.84	8.48	-59.66	-13	46.66
GPRS Mode, High channel								
499.12	47.42	H	-55.62	0.58	-1.94	-58.14	-13	45.14
499.12	47.37	V	-54.75	0.58	-1.94	-57.27	-13	44.27
1697.60	47.82	H	-65.18	0.84	8.52	-57.50	-13	44.50
1697.60	46.63	V	-66.37	0.84	8.52	-58.69	-13	45.69

WCDMA Band V

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel								
399.93	46.98	H	-58.24	0.53	-1.35	-60.12	-13	47.12
399.93	45.60	V	-58.85	0.53	-1.35	-60.73	-13	47.73
1652.80	47.38	H	-65.93	0.84	8.44	-58.33	-13	45.33
1652.80	46.52	V	-66.79	0.84	8.44	-59.19	-13	46.19
Middle channel								
399.93	45.97	H	-59.25	0.53	-1.35	-61.13	-13	48.13
399.93	44.65	V	-59.80	0.53	-1.35	-61.68	-13	48.68
1673.20	46.13	H	-67.04	0.84	8.48	-59.40	-13	46.40
1673.20	46.79	V	-66.38	0.84	8.48	-58.74	-13	45.74
High channel								
399.93	46.48	H	-58.74	0.53	-1.35	-60.62	-13	47.62
399.93	44.57	V	-59.88	0.53	-1.35	-61.76	-13	48.76
1693.20	46.83	H	-66.20	0.84	8.51	-58.53	-13	45.53
1693.20	47.41	V	-65.62	0.84	8.51	-57.95	-13	44.95

30 MHz ~ 20 GHz:**PCS 1900 Band**

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel								
137.31	50.85	H	-54.62	0.36	-6.12	-61.10	-13	48.10
137.31	45.73	V	-54.35	0.36	-6.12	-60.83	-13	47.83
3700.40	41.26	H	-65.71	0.95	9.78	-56.88	-13	43.88
3700.40	40.75	V	-66.22	0.95	9.78	-57.39	-13	44.39
Middle channel								
137.31	49.98	H	-55.49	0.36	-6.12	-61.97	-13	48.97
137.31	45.40	V	-54.68	0.36	-6.12	-61.16	-13	48.16
3760.00	40.67	H	-66.11	0.95	9.74	-57.32	-13	44.32
3760.00	39.96	V	-66.82	0.95	9.74	-58.03	-13	45.03
High channel								
137.31	50.70	H	-54.77	0.36	-6.12	-61.25	-13	48.25
137.31	45.72	V	-54.36	0.36	-6.12	-60.84	-13	47.84
3819.60	40.31	H	-66.28	0.96	9.71	-57.53	-13	44.53
3819.60	39.43	V	-67.16	0.96	9.71	-58.41	-13	45.41

WCDMA Band II

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel								
910.40	39.84	H	-57.66	0.63	-0.99	-59.28	-13	46.28
910.40	38.76	V	-56.41	0.63	-0.99	-58.03	-13	45.03
3704.80	44.52	H	-62.43	0.95	9.78	-53.60	-13	40.60
3704.80	43.75	V	-63.20	0.95	9.78	-54.37	-13	41.37
Middle channel								
910.40	40.83	H	-56.67	0.63	-0.99	-58.29	-13	45.29
910.40	39.46	V	-55.71	0.63	-0.99	-57.33	-13	44.33
3760.00	43.64	H	-63.14	0.95	9.74	-54.35	-13	41.35
3760.00	44.82	V	-61.96	0.95	9.74	-53.17	-13	40.17
High channel								
910.40	40.98	H	-56.52	0.63	-0.99	-58.14	-13	45.14
910.40	39.06	V	-56.11	0.63	-0.99	-57.73	-13	44.73
3815.20	42.83	H	-63.77	0.96	9.71	-55.02	-13	42.02
3815.20	44.24	V	-62.36	0.96	9.71	-53.61	-13	40.61

WCDMA Band IV

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel								
905.55	39.74	H	-57.71	0.63	-0.97	-59.31	-13	46.31
905.55	38.00	V	-57.32	0.63	-0.97	-58.92	-13	45.92
3424.80	47.52	H	-60.40	0.93	9.82	-51.51	-13	38.51
3424.80	48.30	V	-59.62	0.93	9.82	-50.73	-13	37.73
Middle channel								
905.55	39.77	H	-57.68	0.63	-0.97	-59.28	-13	46.28
905.55	38.23	V	-57.09	0.63	-0.97	-58.69	-13	45.69
3465.20	47.91	H	-59.84	0.93	9.87	-50.90	-13	37.90
3465.20	48.73	V	-59.02	0.93	9.87	-50.08	-13	37.08
High channel								
905.55	39.73	H	-57.72	0.63	-0.97	-59.32	-13	46.32
905.55	38.05	V	-57.27	0.63	-0.97	-58.87	-13	45.87
3505.20	47.25	H	-60.33	0.93	9.91	-51.35	-13	38.35
3505.20	47.89	V	-59.69	0.93	9.91	-50.71	-13	37.71

Test mode: Transmitting (Pre-scan with 1RB of all the bandwidth, and worst case as below)

30 MHz ~ 10 GHz:

LTE Band 5:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
279.90	50.91	H	-56.31	0.46	-2.19	-58.96	-13	45.96
279.90	50.62	V	-56.89	0.46	-2.19	-59.54	-13	46.54
1649.40	45.94	H	-67.40	0.84	8.44	-59.80	-13	46.80
1649.40	46.75	V	-66.59	0.84	8.44	-58.99	-13	45.99
16-QAM 1.4MHz Bandwidth Low Channel								
279.90	50.95	H	-56.27	0.46	-2.19	-58.92	-13	45.92
279.90	50.63	V	-56.88	0.46	-2.19	-59.53	-13	46.53
1649.40	46.11	H	-67.23	0.84	8.44	-59.63	-13	46.63
1649.40	46.99	V	-66.35	0.84	8.44	-58.75	-13	45.75
QPSK 1.4MHz Bandwidth Middle Channel								
275.60	48.52	H	-55.87	0.45	-2.20	-58.52	-13	45.52
275.60	51.01	V	-56.81	0.45	-2.20	-59.46	-13	46.46
1673.00	45.69	H	-67.48	0.84	8.48	-59.84	-13	46.84
1673.00	46.72	V	-66.45	0.84	8.48	-58.81	-13	45.81
16-QAM 1.4MHz Bandwidth Middle Channel								
275.60	47.99	H	-56.40	0.45	-2.20	-59.05	-13	46.05
275.60	50.65	V	-57.17	0.45	-2.20	-59.82	-13	46.82
1673.00	45.80	H	-67.37	0.84	8.48	-59.73	-13	46.73
1673.00	46.47	V	-66.70	0.84	8.48	-59.06	-13	46.06
QPSK 1.4MHz Bandwidth High Channel								
279.90	51.08	H	-56.14	0.46	-2.19	-58.79	-13	45.79
279.90	50.53	V	-56.98	0.46	-2.19	-59.63	-13	46.63
1696.60	45.68	H	-67.33	0.84	8.52	-59.65	-13	46.65
1696.60	46.17	V	-66.84	0.84	8.52	-59.16	-13	46.16
16-QAM 1.4MHz Bandwidth High Channel								
279.90	51.33	H	-55.89	0.46	-2.19	-58.54	-13	45.54
279.90	50.36	V	-57.15	0.46	-2.19	-59.80	-13	46.80
1696.60	45.42	H	-67.59	0.84	8.52	-59.91	-13	46.91
1696.60	46.52	V	-66.49	0.84	8.52	-58.81	-13	45.81

LTE Band 12:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
279.89	50.94	H	-56.28	0.46	-2.19	-58.93	-13	45.93
279.89	50.71	V	-56.80	0.46	-2.19	-59.45	-13	46.45
1399.40	48.72	H	-65.45	0.82	7.92	-58.35	-13	45.35
1399.40	49.48	V	-64.69	0.82	7.92	-57.59	-13	44.59
16-QAM 1.4MHz Bandwidth Low Channel								
279.89	51.17	H	-56.05	0.46	-2.19	-58.70	-13	45.70
279.89	50.40	V	-57.11	0.46	-2.19	-59.76	-13	46.76
1399.40	47.92	H	-66.25	0.82	7.92	-59.15	-13	46.15
1399.40	48.65	V	-65.52	0.82	7.92	-58.42	-13	45.42
QPSK 1.4MHz Bandwidth Middle Channel								
279.89	52.88	H	-54.34	0.46	-2.19	-56.99	-13	43.99
279.89	51.82	V	-55.69	0.46	-2.19	-58.34	-13	45.34
1415.00	47.85	H	-66.35	0.82	7.96	-59.21	-13	46.21
1415.00	48.52	V	-65.68	0.82	7.96	-58.54	-13	45.54
16-QAM 1.4MHz Bandwidth Middle Channel								
279.89	53.52	H	-53.70	0.46	-2.19	-56.35	-13	43.35
279.89	52.25	V	-55.26	0.46	-2.19	-57.91	-13	44.91
1415.00	48.57	H	-65.63	0.82	7.96	-58.49	-13	45.49
1415.00	49.40	V	-64.80	0.82	7.96	-57.66	-13	44.66
QPSK 1.4MHz Bandwidth High Channel								
279.89	50.61	H	-56.61	0.46	-2.19	-59.26	-13	46.26
279.89	49.58	V	-57.93	0.46	-2.19	-60.58	-13	47.58
1430.60	49.81	H	-64.42	0.82	8.01	-57.23	-13	44.23
1430.60	50.43	V	-63.80	0.82	8.01	-56.61	-13	43.61
16-QAM 1.4MHz Bandwidth High Channel								
279.89	50.92	H	-56.30	0.46	-2.19	-58.95	-13	45.95
279.89	54.15	V	-53.36	0.46	-2.19	-56.01	-13	43.01
1430.60	48.55	H	-65.68	0.82	8.01	-58.49	-13	45.49
1430.60	49.76	V	-64.47	0.82	8.01	-57.28	-13	44.28

LTE Band 17:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel								
280.02	51.94	H	-55.28	0.46	-2.15	-57.89	-13	44.89
280.02	51.49	V	-56.01	0.46	-2.15	-58.62	-13	45.62
1413.00	47.15	H	-67.05	0.82	7.96	-59.91	-13	46.91
1413.00	48.48	V	-65.72	0.82	7.96	-58.58	-13	45.58
16-QAM 5MHz Bandwidth Low Channel								
280.02	52.85	H	-54.37	0.46	-2.15	-56.98	-13	43.98
280.02	52.14	V	-55.36	0.46	-2.15	-57.97	-13	44.97
1413.00	45.97	H	-68.23	0.82	7.96	-61.09	-13	48.09
1413.00	47.17	V	-67.03	0.82	7.96	-59.89	-13	46.89
QPSK 5MHz Bandwidth Middle Channel								
280.02	53.21	H	-54.01	0.46	-2.15	-56.62	-13	43.62
280.02	52.39	V	-55.11	0.46	-2.15	-57.72	-13	44.72
1420.00	45.93	H	-68.28	0.82	7.98	-61.12	-13	48.12
1420.00	46.77	V	-67.44	0.82	7.98	-60.28	-13	47.28
16-QAM 5MHz Bandwidth Middle Channel								
280.02	52.64	H	-54.58	0.46	-2.15	-57.19	-13	44.19
280.02	51.79	V	-55.71	0.46	-2.15	-58.32	-13	45.32
1420.00	47.59	H	-66.62	0.82	7.98	-59.46	-13	46.46
1420.00	46.23	V	-67.98	0.82	7.98	-60.82	-13	47.82
QPSK 5MHz Bandwidth High Channel								
280.02	52.09	H	-55.13	0.46	-2.15	-57.74	-13	44.74
280.02	51.05	V	-56.45	0.46	-2.15	-59.06	-13	46.06
1427.00	48.92	H	-65.30	0.82	8.00	-58.12	-13	45.12
1427.00	49.11	V	-65.11	0.82	8.00	-57.93	-13	44.93
16-QAM 5MHz Bandwidth High Channel								
280.02	51.61	H	-55.61	0.46	-2.15	-58.22	-13	45.22
280.02	50.57	V	-56.93	0.46	-2.15	-59.54	-13	46.54
1427.00	47.86	H	-66.36	0.82	8.00	-59.18	-13	46.18
1427.00	48.30	V	-65.92	0.82	8.00	-58.74	-13	45.74

LTE Band 26 Lower

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
279.90	51.06	H	-56.16	0.46	-2.19	-58.81	-13	45.81
279.90	50.43	V	-57.08	0.46	-2.19	-59.73	-13	46.73
1629.40	47.43	H	-66.04	0.84	8.41	-58.47	-13	45.47
1629.40	48.29	V	-65.18	0.84	8.41	-57.61	-13	44.61
16-QAM 1.4MHz Bandwidth Low Channel								
279.90	51.38	H	-55.84	0.46	-2.19	-58.49	-13	45.49
279.90	50.64	V	-56.87	0.46	-2.19	-59.52	-13	46.52
1629.40	46.75	H	-66.72	0.84	8.41	-59.15	-13	46.15
1629.40	47.41	V	-66.06	0.84	8.41	-58.49	-13	45.49
QPSK 1.4MHz Bandwidth High Channel								
279.90	52.26	H	-54.96	0.46	-2.19	-57.61	-13	44.61
279.90	51.42	V	-56.09	0.46	-2.19	-58.74	-13	45.74
1646.60	48.31	H	-65.05	0.84	8.43	-57.46	-13	44.46
1646.60	47.72	V	-65.64	0.84	8.43	-58.05	-13	45.05
16-QAM 1.4MHz Bandwidth High Channel								
279.90	52.01	H	-55.21	0.46	-2.19	-57.86	-13	44.86
279.90	52.14	V	-55.37	0.46	-2.19	-58.02	-13	45.02
1646.60	47.20	H	-66.16	0.84	8.43	-58.57	-13	45.57
1646.60	47.97	V	-65.39	0.84	8.43	-57.80	-13	44.80

LTE Band 26 Upper

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
279.88	53.64	H	-53.58	0.46	-2.19	-56.23	-13	43.23
279.88	52.57	V	-54.94	0.46	-2.19	-57.59	-13	44.59
1649.40	46.41	H	-66.93	0.84	8.44	-59.33	-13	46.33
1649.40	47.92	V	-65.42	0.84	8.44	-57.82	-13	44.82
16-QAM 1.4MHz Bandwidth Low Channel								
279.88	53.20	H	-54.02	0.46	-2.19	-56.67	-13	43.67
279.88	54.73	V	-52.78	0.46	-2.19	-55.43	-13	42.43
1649.40	46.65	H	-66.69	0.84	8.44	-59.09	-13	46.09
1649.40	47.51	V	-65.83	0.84	8.44	-58.23	-13	45.23
QPSK 1.4MHz Bandwidth Middle Channel								
279.88	52.84	H	-54.38	0.46	-2.19	-57.03	-13	44.03
279.88	51.59	V	-55.92	0.46	-2.19	-58.57	-13	45.57
1663.00	45.84	H	-67.40	0.84	8.46	-59.78	-13	46.78
1663.00	46.96	V	-66.28	0.84	8.46	-58.66	-13	45.66
16-QAM 1.4MHz Bandwidth Middle Channel								
279.88	52.27	H	-54.95	0.46	-2.19	-57.60	-13	44.60
279.88	51.45	V	-56.06	0.46	-2.19	-58.71	-13	45.71
1663.00	46.26	H	-66.98	0.84	8.46	-59.36	-13	46.36
1663.00	47.03	V	-66.21	0.84	8.46	-58.59	-13	45.59
QPSK 1.4MHz Bandwidth High Channel								
279.88	52.81	H	-54.41	0.46	-2.19	-57.06	-13	44.06
279.88	51.76	V	-55.75	0.46	-2.19	-58.40	-13	45.40
1696.60	46.35	H	-66.66	0.84	8.51	-58.99	-13	45.99
1696.60	47.55	V	-65.46	0.84	8.51	-57.79	-13	44.79
16-QAM 1.4MHz Bandwidth High Channel								
279.88	52.26	H	-54.96	0.46	-2.19	-57.61	-13	44.61
279.88	50.95	V	-56.56	0.46	-2.19	-59.21	-13	46.21
1696.60	46.74	H	-66.27	0.84	8.51	-58.60	-13	45.60
1696.60	47.81	V	-65.20	0.84	8.51	-57.53	-13	44.53

30 MHz ~ 20 GHz:

LTE Band 2:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
132.82	52.95	H	-52.78	0.36	-6.12	-59.26	-13	46.26
132.82	45.82	V	-54.05	0.36	-6.12	-60.53	-13	47.53
3701.40	46.38	H	-60.58	0.95	9.78	-51.75	-13	38.75
3701.40	46.00	V	-60.96	0.95	9.78	-52.13	-13	39.13
16-QAM 1.4MHz Bandwidth Low Channel								
132.82	52.00	H	-53.73	0.36	-6.12	-60.21	-13	47.21
132.82	46.68	V	-53.19	0.36	-6.12	-59.67	-13	46.67
3701.40	46.27	H	-60.69	0.95	9.78	-51.86	-13	38.86
3701.40	45.91	V	-61.05	0.95	9.78	-52.22	-13	39.22
QPSK 1.4MHz Bandwidth Middle Channel								
132.82	52.05	H	-53.68	0.36	-6.12	-60.16	-13	47.16
132.82	46.82	V	-53.05	0.36	-6.12	-59.53	-13	46.53
3760.00	45.94	H	-60.84	0.95	9.74	-52.05	-13	39.05
3760.00	45.20	V	-61.58	0.95	9.74	-52.79	-13	39.79
16-QAM 1.4MHz Bandwidth Middle Channel								
132.82	52.52	H	-53.21	0.36	-6.12	-59.69	-13	46.69
132.82	47.61	V	-52.26	0.36	-6.12	-58.74	-13	45.74
3760.00	46.40	H	-60.38	0.95	9.74	-51.59	-13	38.59
3760.00	45.85	V	-60.93	0.95	9.74	-52.14	-13	39.14
QPSK 1.4MHz Bandwidth High Channel								
132.82	51.21	H	-54.52	0.36	-6.12	-61.00	-13	48.00
132.82	47.06	V	-52.81	0.36	-6.12	-59.29	-13	46.29
3818.60	45.58	H	-61.01	0.96	9.71	-52.26	-13	39.26
3818.60	44.51	V	-62.08	0.96	9.71	-53.33	-13	40.33
16-QAM 1.4MHz Bandwidth High Channel								
132.82	51.26	H	-54.47	0.36	-6.12	-60.95	-13	47.95
132.82	46.92	V	-52.95	0.36	-6.12	-59.43	-13	46.43
3818.60	46.17	H	-60.42	0.96	9.71	-51.67	-13	38.67
3818.60	45.10	V	-61.49	0.96	9.71	-52.74	-13	39.74

LTE Band 4:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
133.31	49.42	H	-56.28	0.36	-6.12	-62.76	-13	49.76
133.31	44.46	V	-55.43	0.36	-6.12	-61.91	-13	48.91
3421.40	49.04	H	-58.90	0.93	9.82	-50.01	-13	37.01
3421.40	48.41	V	-59.53	0.93	9.82	-50.64	-13	37.64
16-QAM 1.4MHz Bandwidth Low Channel								
133.31	49.80	H	-55.90	0.36	-6.12	-62.38	-13	49.38
133.31	44.58	V	-55.31	0.36	-6.12	-61.79	-13	48.79
3421.40	48.70	H	-59.24	0.93	9.82	-50.35	-13	37.35
3421.40	47.61	V	-60.33	0.93	9.82	-51.44	-13	38.44
QPSK 1.4MHz Bandwidth Middle Channel								
133.31	50.16	H	-55.54	0.36	-6.12	-62.02	-13	49.02
133.31	45.05	V	-54.84	0.37	-6.05	-61.26	-13	48.26
3465.00	48.20	H	-59.55	0.93	9.87	-50.61	-13	37.61
3465.00	47.31	V	-60.44	0.93	9.87	-51.50	-13	38.50
16-QAM 1.4MHz Bandwidth Middle Channel								
133.31	50.69	H	-55.01	0.36	-6.12	-61.49	-13	48.49
133.31	45.50	V	-54.39	0.36	-6.12	-60.87	-13	47.87
3465.00	48.24	H	-59.51	0.93	9.87	-50.57	-13	37.57
3465.00	47.18	V	-60.57	0.93	9.87	-51.63	-13	38.63
QPSK 1.4MHz Bandwidth High Channel								
133.31	49.61	H	-56.09	0.36	-6.12	-62.57	-13	49.57
133.31	44.93	V	-54.96	0.36	-6.12	-61.44	-13	48.44
3508.60	48.97	H	-58.60	0.93	9.89	-49.64	-13	36.64
3508.60	48.09	V	-59.48	0.93	9.89	-50.52	-13	37.52
16-QAM 1.4MHz Bandwidth High Channel								
133.31	49.57	H	-56.13	0.36	-6.12	-62.61	-13	49.61
133.31	44.84	V	-55.05	0.36	-6.12	-61.53	-13	48.53
3508.60	49.12	H	-58.45	0.93	9.89	-49.49	-13	36.49
3508.60	48.24	V	-59.33	0.93	9.89	-50.37	-13	37.37

LTE Band 25:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
911.49	44.90	H	-52.61	0.63	-1.00	-54.24	-13	41.24
911.49	43.84	V	-51.29	0.63	-1.00	-52.92	-13	39.92
3701.40	42.67	H	-64.29	0.95	9.78	-55.46	-13	42.46
3701.40	43.96	V	-63.00	0.95	9.78	-54.17	-13	41.17
16-QAM 1.4MHz Bandwidth Low Channel								
911.49	44.38	H	-53.13	0.63	-1.00	-54.76	-13	41.76
911.49	43.61	V	-51.52	0.63	-1.00	-53.15	-13	40.15
3701.40	42.27	H	-64.69	0.95	9.78	-55.86	-13	42.86
3701.40	43.64	V	-63.32	0.95	9.78	-54.49	-13	41.49
QPSK 1.4MHz Bandwidth Middle Channel								
911.49	44.63	H	-52.88	0.63	-1.00	-54.51	-13	41.51
911.49	43.08	V	-52.05	0.63	-1.00	-53.68	-13	40.68
3765.00	41.94	H	-64.82	0.95	9.74	-56.03	-13	43.03
3765.00	42.05	V	-64.71	0.95	9.74	-55.92	-13	42.92
16-QAM 1.4MHz Bandwidth Middle Channel								
911.49	44.46	H	-53.05	0.63	-1.00	-54.68	-13	41.68
911.49	42.57	V	-52.56	0.63	-1.00	-54.19	-13	41.19
3765.00	41.21	H	-65.55	0.95	9.74	-56.76	-13	43.76
3765.00	42.13	V	-64.63	0.95	9.74	-55.84	-13	42.84
QPSK 1.4MHz Bandwidth High Channel								
911.49	45.67	H	-51.84	0.63	-1.00	-53.47	-13	40.47
911.49	44.07	V	-51.06	0.63	-1.00	-52.69	-13	39.69
3828.60	41.52	H	-65.04	0.96	9.70	-56.30	-13	43.30
3828.60	42.55	V	-64.01	0.96	9.70	-55.27	-13	42.27
16-QAM 1.4MHz Bandwidth High Channel								
911.49		H	-52.14	0.63	-1.00	-53.77	-13	40.77
911.49	43.91	V	-51.22	0.63	-1.00	-52.85	-13	39.85
3828.60	42.05	H	-64.51	0.96	9.70	-55.77	-13	42.77
3828.60	43.34	V	-63.22	0.96	9.70	-54.48	-13	41.48

LTE Band 66:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel								
132.21	51.93	H	-53.83	0.36	-6.11	-60.30	-13	47.30
132.21	46.53	V	-53.31	0.36	-6.11	-59.78	-13	46.78
3421.40	42.70	H	-65.24	0.93	9.82	-56.35	-13	43.35
3421.40	43.36	V	-64.58	0.93	9.82	-55.69	-13	42.69
16-QAM 1.4MHz Bandwidth Low Channel								
132.21	51.62	H	-54.14	0.36	-6.11	-60.61	-13	47.61
132.21	46.93	V	-52.91	0.36	-6.11	-59.38	-13	46.38
3421.40	42.67	H	-65.27	0.93	9.82	-56.38	-13	43.38
3421.40	43.32	V	-64.62	0.93	9.82	-55.73	-13	42.73
QPSK 1.4MHz Bandwidth Middle Channel								
132.21	50.87	H	-54.89	0.36	-6.11	-61.36	-13	48.36
132.21	46.02	V	-53.82	0.37	-6.05	-60.24	-13	47.24
3490.00	41.40	H	-66.24	0.93	9.89	-57.28	-13	44.28
3490.00	42.05	V	-65.59	0.93	9.89	-56.63	-13	43.63
16-QAM 1.4MHz Bandwidth Middle Channel								
132.21	50.51	H	-55.25	0.36	-6.11	-61.72	-13	48.72
132.21	46.06	V	-53.78	0.36	-6.11	-60.25	-13	47.25
3490.00	41.07	H	-66.57	0.93	9.89	-57.61	-13	44.61
3490.00	42.03	V	-65.61	0.93	9.89	-56.65	-13	43.65
QPSK 1.4MHz Bandwidth High Channel								
132.21	52.90	H	-52.86	0.36	-6.11	-59.33	-13	46.33
132.21	47.35	V	-52.49	0.36	-6.11	-58.96	-13	45.96
3558.60	41.93	H	-65.48	0.93	9.86	-56.55	-13	43.55
3558.60	42.59	V	-64.82	0.93	9.86	-55.89	-13	42.89
16-QAM 1.4MHz Bandwidth High Channel								
132.21	52.18	H	-53.58	0.36	-6.11	-60.05	-13	47.05
132.21	46.33	V	-53.51	0.36	-6.11	-59.98	-13	46.98
3558.60	42.35	H	-65.06	0.93	9.86	-56.13	-13	43.13
3558.60	43.49	V	-63.92	0.93	9.86	-54.99	-13	41.99

30 MHz ~ 26 GHz:

LTE Band 7:

Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel								
280.02	53.94	H	-53.28	0.46	-2.15	-55.89	-25	30.89
280.02	53.35	V	-54.15	0.46	-2.15	-56.76	-25	31.76
5005.00	65.26	H	-40.73	1.08	10.30	-31.51	-25	6.51
5005.00	66.49	V	-39.50	1.08	10.30	-30.28	-25	5.28
16-QAM 5MHz Bandwidth Low Channel								
280.02	54.32	H	-52.90	0.46	-2.15	-55.51	-25	30.51
280.02	53.01	V	-54.49	0.46	-2.15	-57.10	-25	32.10
5005.00	65.45	H	-40.54	1.08	10.30	-31.32	-25	6.32
5005.00	65.90	V	-40.09	1.08	10.30	-30.87	-25	5.87
QPSK 5MHz Bandwidth Middle Channel								
280.02	54.44	H	-52.78	0.46	-2.15	-55.39	-25	30.39
280.02	54.56	V	-52.94	0.46	-2.15	-55.55	-25	30.55
5070.00	63.28	H	-42.35	1.09	10.30	-33.14	-25	8.14
5070.00	63.46	V	-42.17	1.09	10.30	-32.96	-25	7.96
16-QAM 5MHz Bandwidth Middle Channel								
280.02	53.74	H	-53.48	0.46	-2.15	-56.09	-25	31.09
280.02	53.16	V	-54.34	0.46	-2.15	-56.95	-25	31.95
5070.00	64.51	H	-41.12	1.09	10.30	-31.91	-25	6.91
5070.00	65.54	V	-40.09	1.09	10.30	-30.88	-25	5.88
QPSK 5MHz Bandwidth High Channel								
280.02	54.37	H	-52.85	0.46	-2.15	-55.46	-25	30.46
280.02	53.20	V	-54.30	0.46	-2.15	-56.91	-25	31.91
5135.00	64.04	H	-41.23	1.10	10.30	-32.03	-25	7.03
5135.00	65.03	V	-40.24	1.10	10.30	-31.04	-25	6.04
16-QAM 5MHz Bandwidth High Channel								
280.02	52.92	H	-54.30	0.46	-2.15	-56.91	-25	31.91
280.02	52.86	V	-54.64	0.46	-2.15	-57.25	-25	32.25
5135.00	63.77	H	-41.50	1.10	10.30	-32.30	-25	7.30
5135.00	64.21	V	-41.06	1.10	10.30	-31.86	-25	6.86

LTE Band 41:

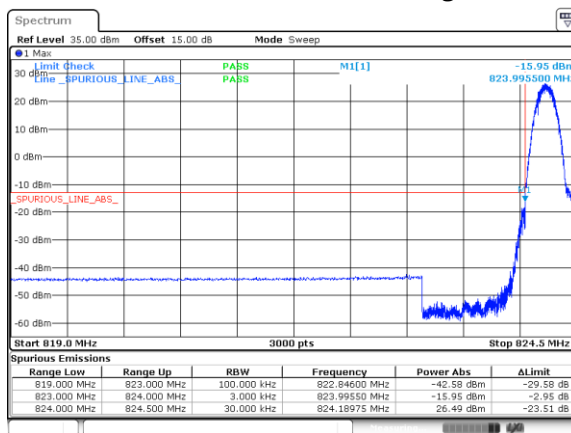
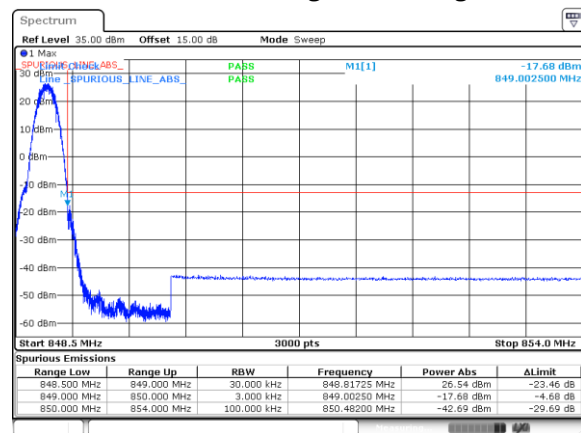
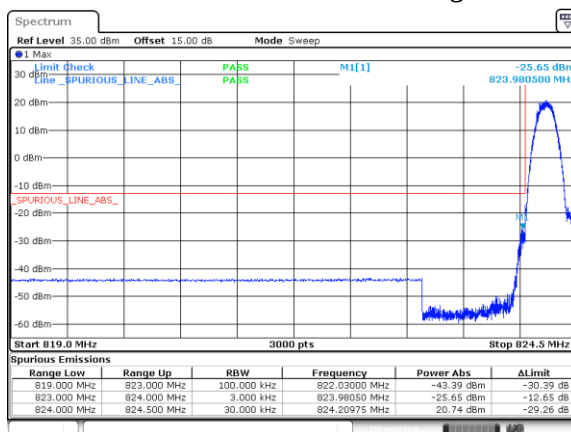
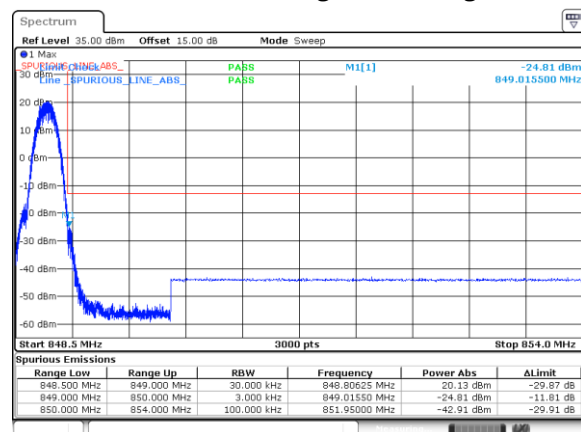
Frequency (MHz)	Receiver Reading (dBμV)	Rx Antenna	Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel								
142.16	50.90	H	-54.30	0.36	-6.13	-60.79	-25	35.79
142.16	47.32	V	-52.98	0.36	-6.13	-59.47	-25	34.47
4997.00	51.50	H	-54.53	1.08	10.30	-45.31	-25	20.31
4997.00	50.22	V	-55.81	1.08	10.30	-46.59	-25	21.59
16-QAM 5MHz Bandwidth Low Channel								
142.16	49.93	H	-55.27	0.36	-6.13	-61.76	-25	36.76
142.16	45.89	V	-54.41	0.36	-6.13	-60.90	-25	35.90
4997.00	51.09	H	-54.94	1.08	10.30	-45.72	-25	20.72
4997.00	49.89	V	-56.14	1.08	10.30	-46.92	-25	21.92
QPSK 5MHz Bandwidth Middle Channel								
142.16	50.82	H	-54.38	0.36	-6.13	-60.87	-25	35.87
142.16	46.63	V	-53.67	0.36	-6.13	-60.16	-25	35.16
5186.00	50.87	H	-54.12	1.10	10.30	-44.92	-25	19.92
5186.00	49.92	V	-55.07	1.10	10.30	-45.87	-25	20.87
16-QAM 5MHz Bandwidth Middle Channel								
142.16	50.86	H	-54.34	0.36	-6.13	-60.83	-25	35.83
142.16	46.85	V	-53.45	0.36	-6.13	-59.94	-25	34.94
5186.00	50.53	H	-54.46	1.10	10.30	-45.26	-25	20.26
5186.00	49.40	V	-55.59	1.10	10.30	-46.39	-25	21.39
QPSK 5MHz Bandwidth High Channel								
142.16	52.11	H	-53.09	0.36	-6.13	-59.58	-25	34.58
142.16	46.79	V	-53.51	0.36	-6.13	-60.00	-25	35.00
5375.00	49.53	H	-54.41	1.13	10.30	-45.24	-25	20.24
5375.00	48.65	V	-55.29	1.13	10.30	-46.12	-25	21.12
16-QAM 5MHz Bandwidth High Channel								
142.16	51.48	H	-53.72	0.36	-6.13	-60.21	-25	35.21
142.16	47.32	V	-52.98	0.36	-6.13	-59.47	-25	34.47
5375.00	48.78	H	-55.16	1.13	10.30	-45.99	-25	20.99
5375.00	48.01	V	-55.93	1.13	10.30	-46.76	-25	21.76

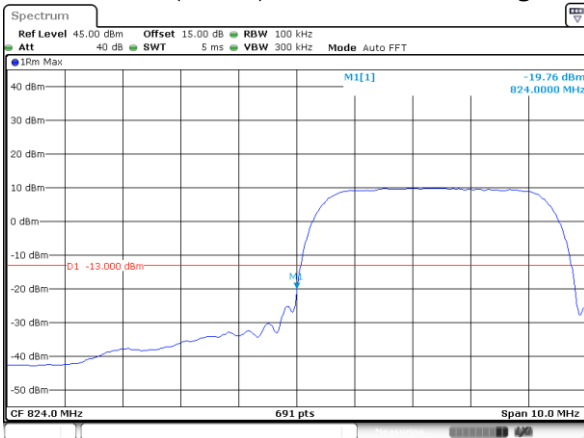
Note:

- 1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)
- 2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

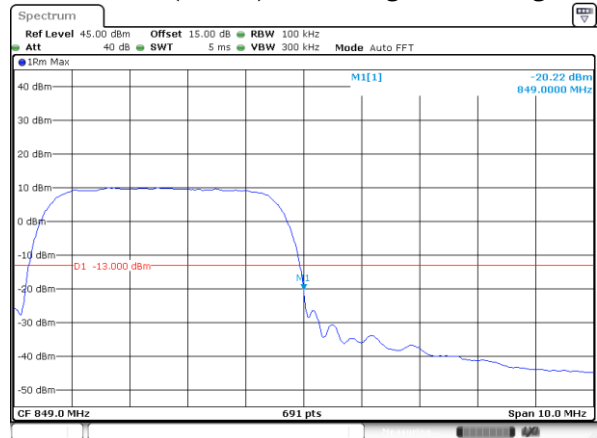
BAND EDGES**Environmental Conditions & Test Information**

Test Date:	2025-07-18 to 2025-09-09
Temperature:	25-26 °C
Relative Humidity:	50-53 %
ATM Pressure:	102.5-103.2 kPa
Test Result:	Pass
Test Engineer:	Jason Lu

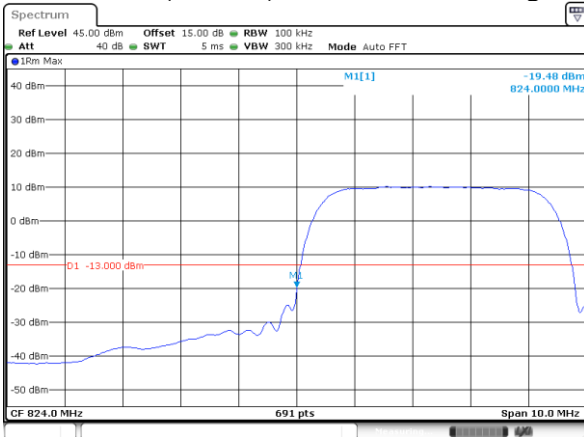
*EUT operation mode: Transmitting**Test Result: Compliant.**LTE: Please check the APPENDIX C_Band edge for detail.***GSM 850 Band:****GPRS Mode, Left Band Edge**ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 15:42:36**GPRS Mode, Right Band Edge**ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 15:43:27**EGPRS Mode, Left Band Edge**ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 15:59:20**EGPRS Mode, Right Band Edge**ProjectNo.: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 15:45:08

WCDMA Band V**WCDMA (Rel 99) Mode, Left Band Edge**

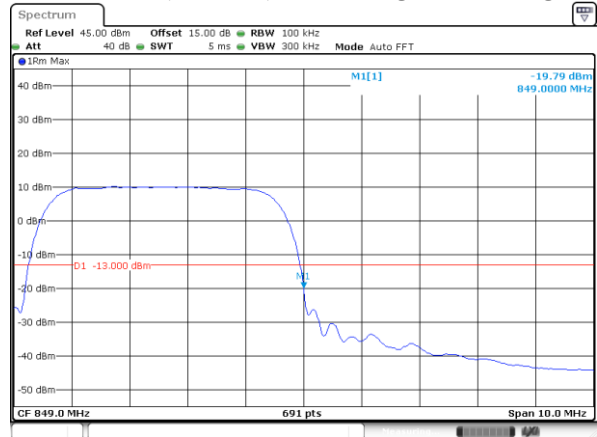
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:34:08

WCDMA (Rel 99) Mode, Right Band Edge

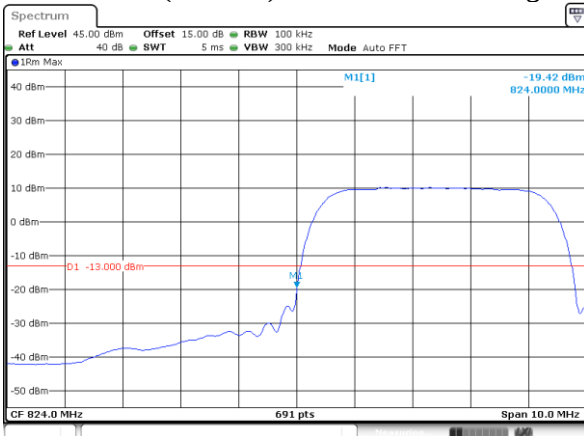
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:35:43

WCDMA (HSDPA) Mode, Left Band Edge

ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:34:40

WCDMA (HSDPA) Mode, Right Band Edge

ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:36:05

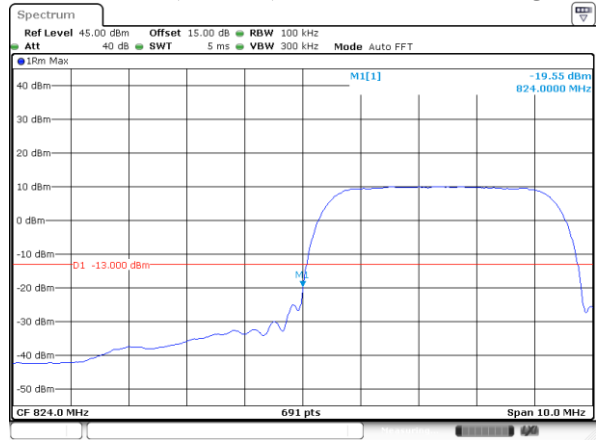
WCDMA (HSPA) Mode, Left Band Edge

ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:34:53

WCDMA (HSPA) Mode, Right Band Edge

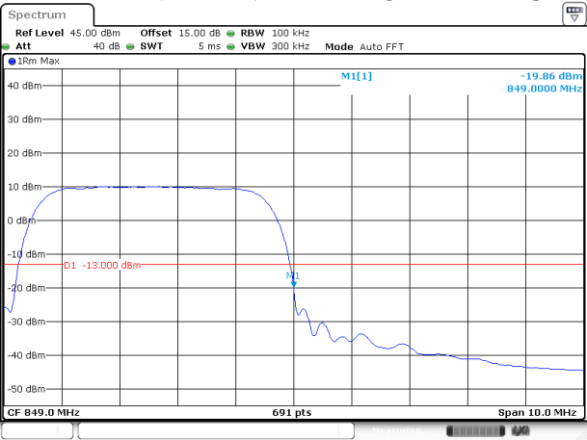
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 22 JUL 2025 13:36:19

WCDMA (HSPA+) Mode, Left Band Edge

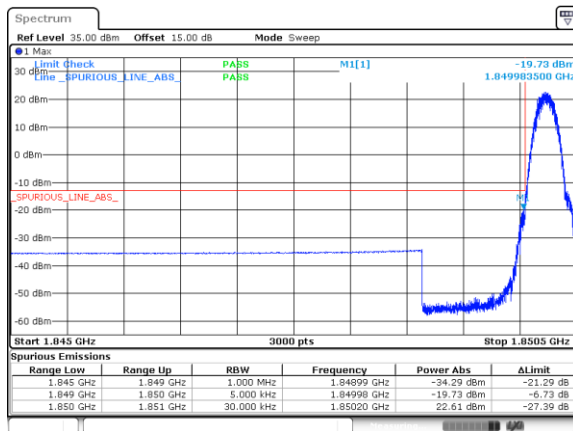


ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:35:07

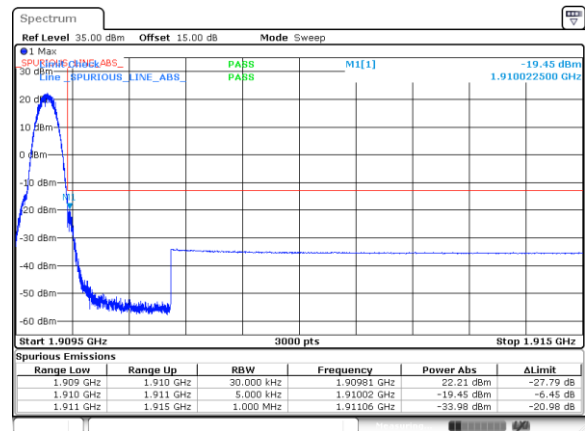
WCDMA (HSPA+) Mode, Right Band Edge



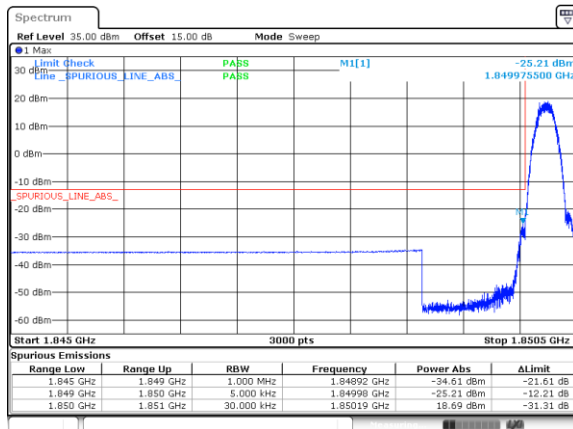
ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:36:34

PCS 1900 Band:**GPRS Mode, Left Band Edge**

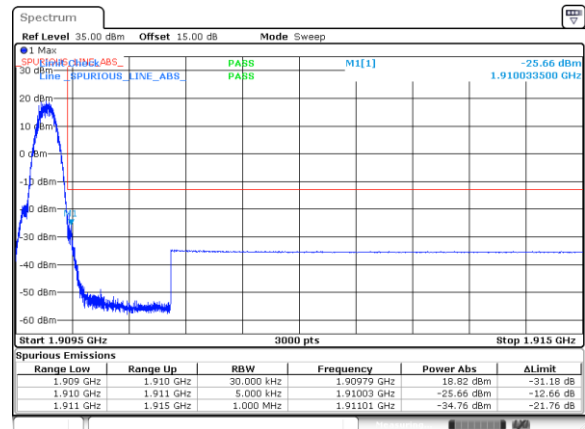
ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 9.SEP.2025 13:58:20

GPRS Mode, Right Band Edge

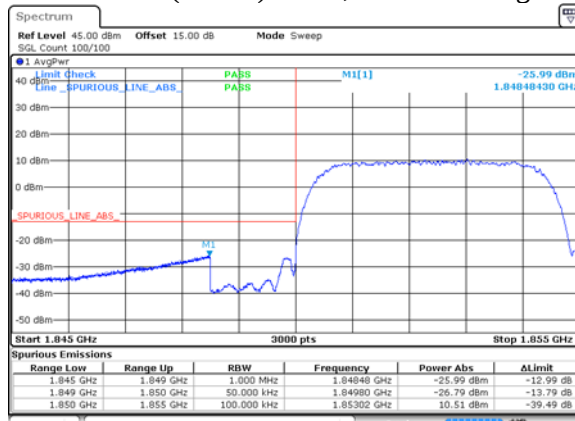
ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 9.SEP.2025 13:59:19

EGPRS Mode, Left Band Edge

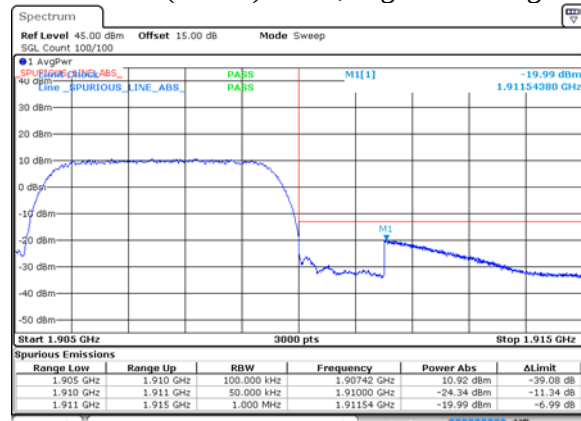
ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 9.SEP.2025 14:00:23

EGPRS Mode, Right Band Edge

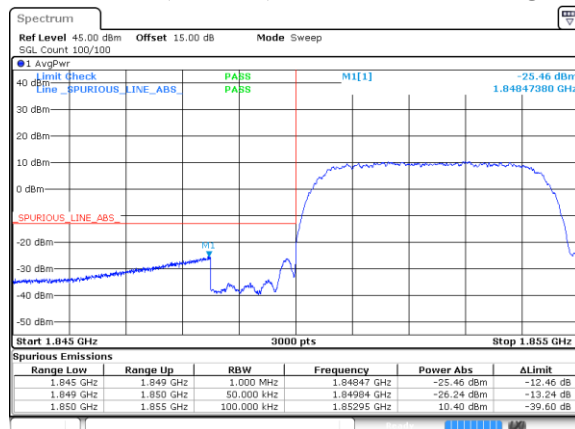
ProjectNo.: RKSA250707003 Tester:Jason Lu
Date: 9.SEP.2025 14:01:26

WCDMA Band II**WCDMA (Rel 99) Mode, Left Band Edge**

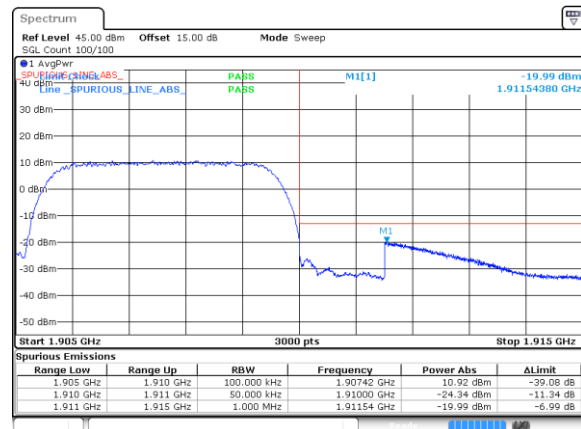
ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 16:22:49

WCDMA (Rel 99) Mode, Right Band Edge

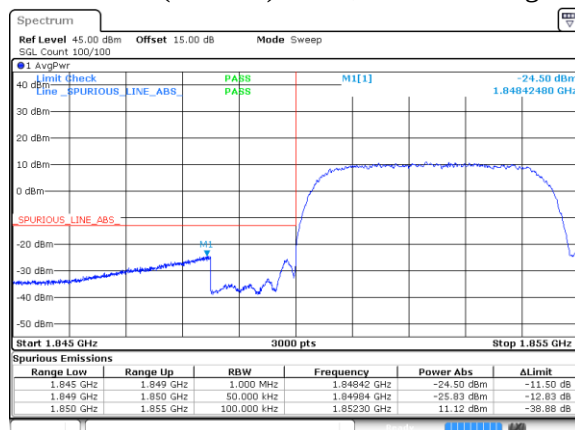
ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 16:23:09

WCDMA (HSDPA) Mode, Left Band Edge

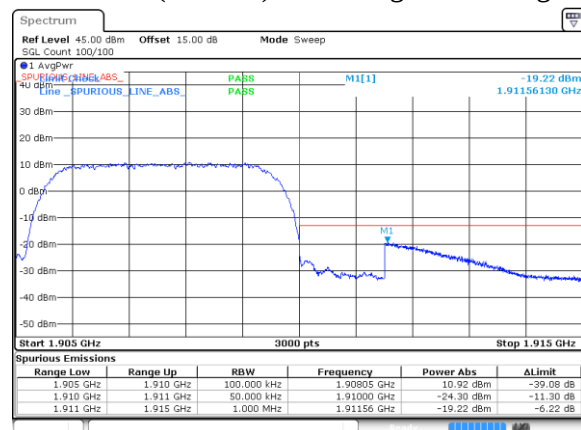
ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 16:24:24

WCDMA (HSDPA) Mode, Right Band Edge

ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 16:23:09

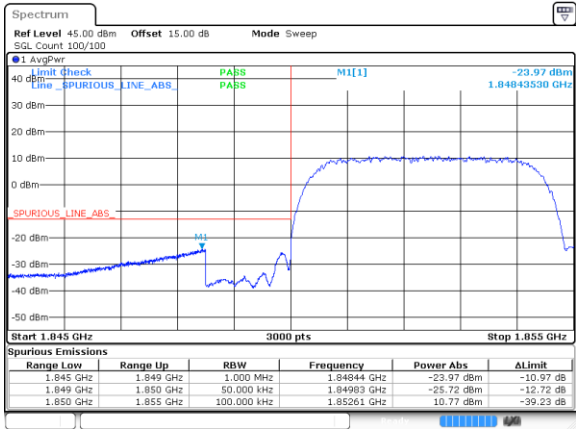
WCDMA (HSPA) Mode, Left Band Edge

ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 14:08:03

WCDMA (HSPA) Mode, Right Band Edge

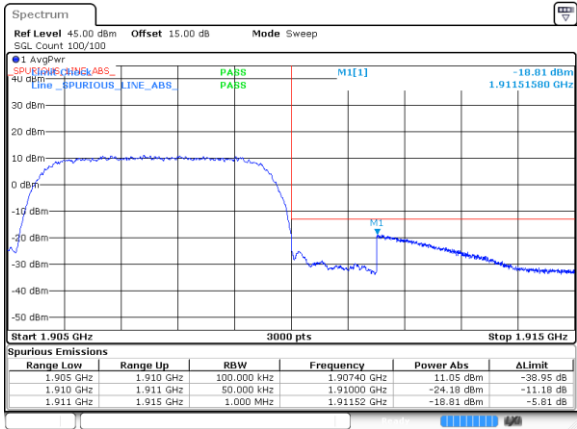
ProjectNo. RKSA250707003 Tester Jason Lu
Date: 8 SEP 2025 14:08:27

WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 8 SEP 2025 16:21:12

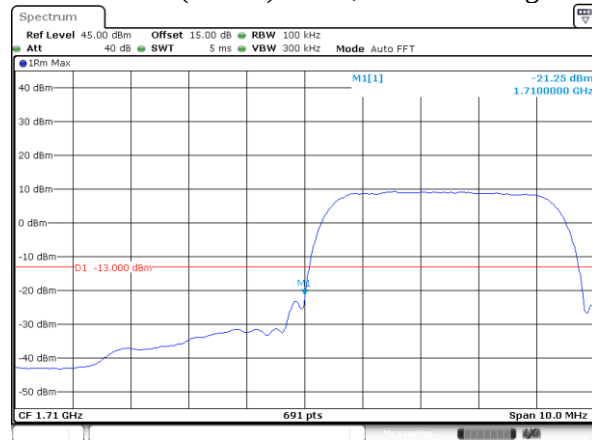
WCDMA (HSPA+) Mode, Right Band Edge



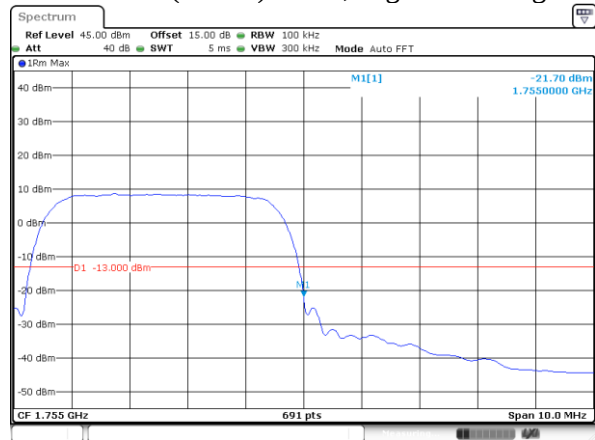
ProjectNo: RKSA250707003 Tester:Jason Lu
Date: 8 SEP 2025 16:21:32

WCDMA Band IV

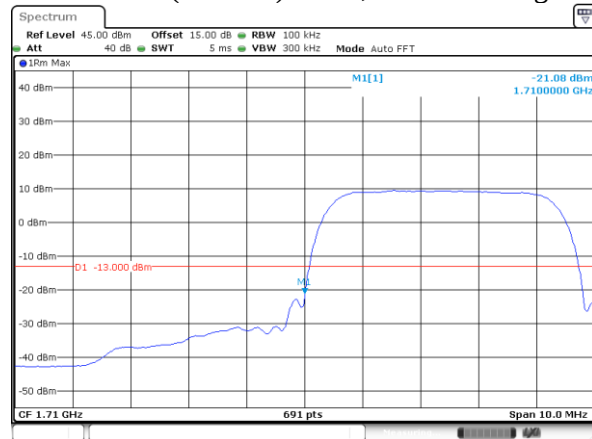
WCDMA (Rel 99) Mode, Left Band Edge



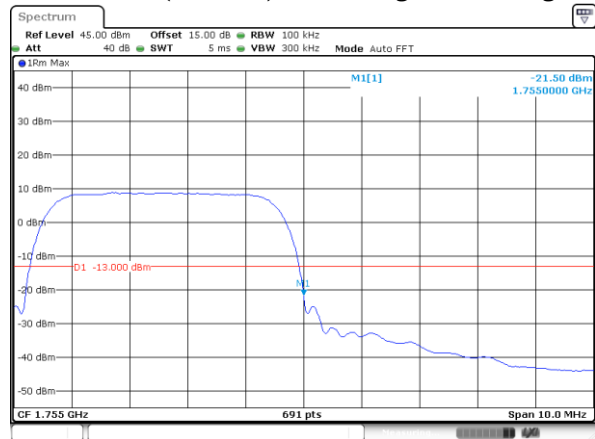
WCDMA (Rel 99) Mode, Right Band Edge



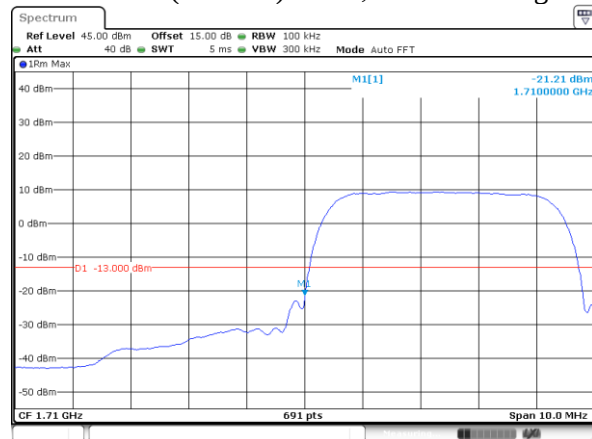
WCDMA (HSDPA) Mode, Left Band Edge



WCDMA (HSDPA) Mode, Right Band Edge



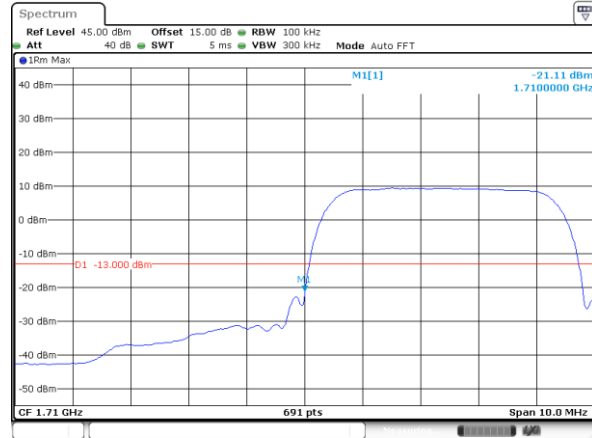
WCDMA (HSPA) Mode, Left Band Edge



WCDMA (HSPA) Mode, Right Band Edge

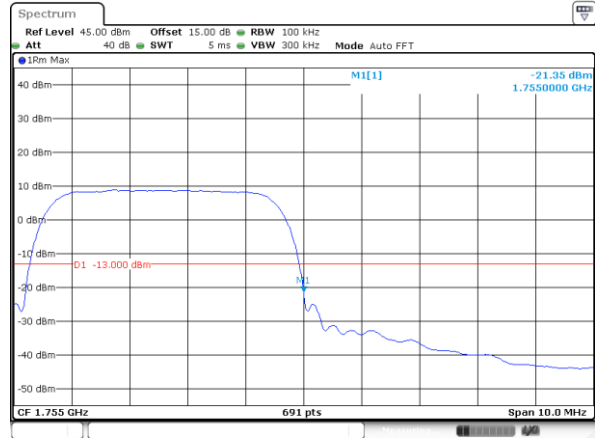


WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:32:15

WCDMA (HSPA+) Mode, Right Band Edge



ProjectNo: RKSA250707003 Tester: Jason Lu
Date: 22 JUL 2025 13:33:33

FREQUENCY STABILITY**Environmental Conditions & Test Information**

Test Date:	2025-07-18 to 2025-08-05
Temperature:	25-26 °C
Relative Humidity:	50-53 %
ATM Pressure:	102.5-103.2 kPa
Test Result:	Pass
Test Engineer:	Jason Lu

EUT operation mode: Transmitting

GPRS 850,Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.4	11	-0.01315	2.5
-20		10	-0.01195	2.5
-10		5	-0.00598	2.5
0		8	-0.00956	2.5
10		4	-0.00478	2.5
20		8	-0.00956	2.5
30		13	-0.01554	2.5
40		11	-0.01315	2.5
50		5	-0.00598	2.5
20	V min.= 7.0	5	-0.00598	2.5
20	V max.= 8.4	10	-0.01195	2.5

EGPRS 850, Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.4	11	-0.01315	2.5
-20		10	-0.01195	2.5
-10		6	-0.00717	2.5
0		9	-0.01076	2.5
10		7	-0.00837	2.5
20		4	-0.00478	2.5
30		10	-0.01195	2.5
40		11	-0.01315	2.5
50		7	-0.00837	2.5
20	V min.=7.0	7	-0.00837	2.5
20	V max.= 8.4	8	-0.00956	2.5

GPRS 1900, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	1850.07759	1909.92100	1850	1910
-20		1850.07786	1909.92037	1850	1910
-10		1850.07635	1909.91901	1850	1910
0		1850.07787	1909.91975	1850	1910
10		1850.07750	1909.91950	1850	1910
20		1850.07779	1909.92041	1850	1910
30		1850.07654	1909.91830	1850	1910
40		1850.07757	1909.91991	1850	1910
50		1850.07721	1909.91859	1850	1910
20	V min.= 7.0	1850.07755	1909.91925	1850	1910
20	V max.= 8.4	1850.07590	1909.91762	1850	1910

EGPRS 1900, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	1850.07901	1909.92564	1850	1910
-20		1850.07823	1909.92519	1850	1910
-10		1850.07799	1909.92404	1850	1910
0		1850.07893	1909.92602	1850	1910
10		1850.07800	1909.92500	1850	1910
20		1850.07837	1909.92560	1850	1910
30		1850.07762	1909.92476	1850	1910
40		1850.07916	1909.92511	1850	1910
50		1850.07748	1909.92429	1850	1910
20	V min.= 7.0	1850.07803	1909.92466	1850	1910
20	V max.= 8.4	1850.07667	1909.92450	1850	1910

WCDMA Band II:

WCDMA Mode , low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	7.4	1850.03567	1909.98551	1850	1910
-20		1850.03549	1909.98532	1850	1910
-10		1850.03401	1909.98498	1850	1910
0		1850.03512	1909.98569	1850	1910
10		1850.03500	1909.98500	1850	1910
20		1850.03543	1909.98541	1850	1910
30		1850.03414	1909.98408	1850	1910
40		1850.03571	1909.98600	1850	1910
50		1850.03430	1909.98376	1850	1910
20	V min.= 7.0	1850.03455	1909.98407	1850	1910
20	V max.= 8.4	1850.03350	1909.98296	1850	1910

WCDMA Band IV:

WCDMA Mode , low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	7.4	1710.03506	1754.94570	1710	1755
-20		1710.03613	1754.94604	1710	1755
-10		1710.03402	1754.94454	1710	1755
0		1710.03547	1754.94624	1710	1755
10		1710.03500	1754.94500	1710	1755
20		1710.03500	1754.94505	1710	1755
30		1710.03423	1754.94454	1710	1755
40		1710.03613	1754.94600	1710	1755
50		1710.03478	1754.94483	1710	1755
20	V min.= 7.0	1710.03376	1754.94414	1710	1755
20	V max.= 8.4	1710.03347	1754.94327	1710	1755

WCDMA Band V:

WCDMA Mode , Middle channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.4	27	0.03227	2.5
-20		19	0.02271	2.5
-10		32	0.03825	2.5
0		24	0.02869	2.5
10		12	0.01434	2.5
20		29	0.03466	2.5
30		21	0.0251	2.5
40		35	0.04184	2.5
50		25	0.02988	2.5
20	V min.= 7.0	24	0.02869	2.5
20	V max.= 8.4	22	0.0263	2.5

LTE Band 2:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	7.4	1850.05932	1909.94020	1850	1910
-20		1850.05874	1909.93903	1850	1910
-10		1850.05724	1909.93882	1850	1910
0		1850.05948	1909.93955	1850	1910
10		1850.05820	1909.93900	1850	1910
20		1850.05915	1909.93935	1850	1910
30		1850.05819	1909.93896	1850	1910
40		1850.05889	1909.93939	1850	1910
50		1850.05702	1909.93866	1850	1910
20	V min.= 7.0	1850.05843	1909.93904	1850	1910
20	V max.= 8.4	1850.05782	1909.93851	1850	1910

16-QAM, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	1850.05932	1909.93927	1850	1910
-20		1850.06014	1909.93980	1850	1910
-10		1850.05814	1909.93811	1850	1910
0		1850.06008	1909.94033	1850	1910
10		1850.05931	1909.93926	1850	1910
20		1850.05936	1909.93951	1850	1910
30		1850.05914	1909.93806	1850	1910
40		1850.06007	1909.93954	1850	1910
50		1850.05843	1909.93895	1850	1910
20	V min.= 7.0	1850.05890	1909.93951	1850	1910
20	V max.= 8.4	1850.05802	1909.93799	1850	1910

LTE Band 4:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	1710.05197	1754.93438	1710	1755
-20		1710.05103	1754.93505	1710	1755
-10		1710.05079	1754.93375	1710	1755
0		1710.05171	1754.93502	1710	1755
10		1710.05097	1754.93425	1710	1755
20		1710.05151	1754.93469	1710	1755
30		1710.04965	1754.93403	1710	1755
40		1710.05197	1754.93512	1710	1755
50		1710.05093	1754.93354	1710	1755
20	V min.= 7.0	1710.05136	1754.93420	1710	1755
20	V max.= 8.4	1710.04871	1754.93310	1710	1755

16QAM, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	1710.06132	1754.94502	1710	1755
-20		1710.06219	1754.94461	1710	1755
-10		1710.05983	1754.94423	1710	1755
0		1710.06193	1754.94493	1710	1755
10		1710.06100	1754.94460	1710	1755
20		1710.06194	1754.94534	1710	1755
30		1710.06046	1754.94358	1710	1755
40		1710.06156	1754.94531	1710	1755
50		1710.06069	1754.94460	1710	1755
20	V min.= 7.0	1710.06114	1754.94490	1710	1755
20	V max.= 8.4	1710.05942	1754.94290	1710	1755

LTE Band 5:

QPSK, 10.0 MHz,Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.4	5	0.00598	2.5
-20		-2	-0.00239	2.5
-10		-3	-0.00359	2.5
0		2	0.00239	2.5
10		-5	-0.00598	2.5
20		8	0.00956	2.5
30		-2	-0.00239	2.5
40		1	0.0012	2.5
50		4	0.00478	2.5
20	V min.= 7.0	3	0.00359	2.5
20	V max.= 8.4	-8	-0.00956	2.5

16-QAM, 10.0 MHz, Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.4	-3	-0.00359	2.5
-20		-8	-0.00956	2.5
-10		-11	-0.01315	2.5
0		-5	-0.00598	2.5
10		-12	-0.01435	2.5
20		3	0.00359	2.5
30		-8	-0.00956	2.5
40		-5	-0.00598	2.5
50		-3	-0.00359	2.5
20	V min.= 7.0	-2	-0.00239	2.5
20	V max.= 8.4	-15	-0.01793	2.5

LTE Band 7:

QPSK, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.4	2500.07588	2569.93559	2500	2570
-20		2500.07589	2569.93618	2500	2570
-10		2500.07378	2569.93487	2500	2570
0		2500.07527	2569.93512	2500	2570
10		2500.07500	2569.93500	2500	2570
20		2500.07591	2569.93528	2500	2570
30		2500.07495	2569.93448	2500	2570
40		2500.07513	2569.93615	2500	2570
50		2500.07421	2569.93407	2500	2570
20	V min.= 7.0	2500.07524	2569.93518	2500	2570
20	V max.= 8.4	2500.07455	2569.93359	2500	2570