

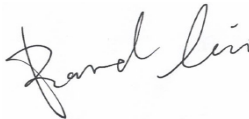
FCC PART 27
FCC PART 22H, PART 24E, PART 90
TEST REPORT

For

WISEASY TECHNOLOGY PTE. LTD.

51 GOLDHILL PLAZA #18-05 SINGAPORE (308900)

FCC ID: 2BFPO-T201

Report Type: Original Report	Product Name: Smart Payment Tablet
Report Number:	<u>RKSA240327005-00F</u>
Report Date:	<u>2024-07-12</u>
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA240327005-00F	R1V1	2024-07-12	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	WISEASY TECHNOLOGY PTE. LTD.
Tested Model:	T2
Product Name:	Smart Payment Tablet
Power Supply:	DC 3.87V powered by battery and DC 5V/9V/12V charging by adapter
RF Function:	GPRS/EGPRS, WCDMA, LTE
Operating Band/Frequency:	GPRS/EGPRS 850: 824-849 MHz(TX), 869-894 MHz(RX) GPRS/EGPRS 1900: 1850-1910 MHz(TX), 1930-1990 MHz(RX) WCDMA Band II: 1850-1910 MHz(TX), 1930-1990 MHz(RX) WCDMA Band IV: 1710-1755 MHz(TX), 1930-1990 MHz(RX) WCDMA Band V: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 2: 1850-1910 MHz(TX), 1930-1990 MHz(RX) LTE Band 4: 1710-1755 MHz(TX), 2110-2155 MHz(RX) LTE Band 5: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 7: 2500-2570 MHz(TX), 2620-2690 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 13: 777-787 MHz(TX), 746-756 MHz(RX) LTE Band 14: 788-798 MHz(TX), 758-768 MHz(RX) LTE Band 17: 704-716 MHz(TX), 734-746 MHz(RX) LTE Band 25: 1850-1915 MHz (TX), 1930-1995 MHz (RX) LTE Band 26: 814-849 MHz(TX), 859-894 MHz(RX) LTE Band 38: 2570-2620 MHz (TX), 2570-2620 MHz (RX) LTE Band 41: 2535-2655 MHz(TX), 2535-2655 MHz(RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2200 MHz(RX) LTE Band 71: 663-698 MHz(TX), 617-652 MHz(RX)
Maximum Conducted Output Power:	GPRS 850: 32.62 dBm; EGPRS 850: 28.07 dBm GPRS 1900: 29.34 dBm; EGPRS 1900: 26.66 dBm WCDMA Band II: 22.82 dBm; Band IV: 22.59 dBm; Band V: 22.51 dBm LTE: Band 2: 22.26dBm; Band 4: 22.56dBm; Band 5: 22.35dBm; Band 7: 23.58dBm Band 12: 22.52dBm; Band 13: 23.50dBm Band 14: 22.25dBm; Band 17: 23.26dBm; Band 25: 23.26dBm; Band 26: 22.95dBm; Band 38: 22.98dBm; Band 41: 22.98dBm; Band 66: 22.96dBm; Band 71: 22.26dBm
Modulation Type:	GPRS/EGPRS: GMSK, 8PSK WCDMA: BPSK, QPSK, 16QAM LTE: QPSK, 16QAM
Antenna Type:	FPC Antenna
★Maximum Antenna Gain :	GPRS/EGPRS 850: -1.46dBi GPRS/EGPRS 1900: 0.38dBi WCDMA Band II : 0.38dBi WCDMA Band IV: 1.33dBi WCDMA Band V: -1.46dBi LTE Band 2: 0.38dBi LTE Band 4: 1.33dBi LTE Band 5: -1.46dBi

	LTE Band 7: 1.51dBi LTE Band 12: -4.98dBi LTE Band 13: -3.1dBi LTE Band 14: -3.06dBi LTE Band 17: -4.98dBi LTE Band 25: 0.38dBi LTE Band 26: -1.46dBi LTE Band 66: 1.33dBi LTE Band 71: -6dBi LTE Band 38: 0.81dBi LTE Band 41: 1.41dBi
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*Adapter Information:**Model: 235A-020A-1A1C**Input: AC100-240V 50/60Hz 600mA**Output: USB-C 5.0V-3.0A, 9.0V-2.0A, 12.0V-1.67A**USB-A 5.0V-3.0A, 9.0V-2.0A, 12.0V-1.5A**USB-A+C Total 5.0V-3.0A**Note: The maximum antenna gain was declared by the manufacturer.**All measurement and test data in this report was gathered from production sample serial number: RKSA240327005-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-03-27.)***Objective**

This type approval report is prepared for *WISEASY TECHNOLOGY PTE. LTD.* in accordance with Part 2, Part 22-Subpart H and Part 24-Subpart E, Part 27 and Part 90 of the Federal Communication Commission's rules.

The objective is to determine the compliance of EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-Part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services

Part 24 Subpart E - Personal Communication Services

Part 27 – Miscellaneous wireless communications services

Part 90- PRIVATE LAND MOBILE RADIO SERVICES

Applicable Standards: ANSI C63.26-2015.

Measurement Uncertainty

Item		Uncertainty
RF conducted test		0.9dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	5.91dB
	1GHz~6GHz	4.68dB
	6GHz~18GHz	4.92dB
	18GHz~40GHz	5.21dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN5055.

SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to ANSI C63.26-2015.

The final qualification test was performed with the EUT operating at normal mode.

Channel List

Mode		Channel	Frequency (MHz)
GPRS/EGPRS 850		Low	824.2
		Middle	836.6
		High	848.8
GPRS/EGPRS 1900		Low	1850.2
		Middle	1880.0
		High	1909.8
WCDMA Band II		Low	1852.4
		Middle	1880.0
		High	1907.6
WCDMA Band IV		Low	1712.4
		Middle	1732.6
		High	1752.6
WCDMA Band V		Low	826.4
		Middle	836.6
		High	846.6
LTE Band 2	1.4M	Low	1850.7
		Middle	1880.0
		High	1909.3
	3M	Low	1851.5
		Middle	1880.0
		High	1908.5
	5M	Low	1852.5
		Middle	1880.0
		High	1907.5
	10M	Low	1855.0
		Middle	1880.0
		High	1905.0
	15M	Low	1857.5
		Middle	1880.0
		High	1902.5
	20M	Low	1860.0
		Middle	1880.0
		High	1900.0

Mode		Channel	Frequency (MHz)
LTE Band 4	1.4M	Low	1710.7
		Middle	1732.5
		High	1754.3
	3M	Low	1711.5
		Middle	1732.5
		High	1753.5
	5M	Low	1712.5
		Middle	1732.5
		High	1752.5
	10M	Low	1715.0
		Middle	1732.5
		High	1750.0
	15M	Low	1717.5
		Middle	1732.5
		High	1747.5
	20M	Low	1720.0
		Middle	1732.5
		High	1745.0
LTE Band 5	1.4M	Low	824.7
		Middle	836.5
		High	848.3
	3M	Low	825.5
		Middle	836.5
		High	847.5
	5M	Low	826.5
		Middle	836.5
		High	846.5
	10M	Low	829.0
		Middle	836.5
		High	844.0
LTE Band 7	5M	Low	2502.5
		Middle	2535.0
		High	2567.5
	10M	Low	2505.0
		Middle	2535.0
		High	2565.0
	15M	Low	2507.5
		Middle	2535.0
		High	2562.5
	20M	Low	2510.0
		Middle	2535.0
		High	2560.0

Mode		Channel	Frequency (MHz)
LTE Band 12	1.4M	Low	699.7
		Middle	707.5
		High	715.3
	3M	Low	700.5
		Middle	707.5
		High	714.5
	5M	Low	701.5
		Middle	707.5
		High	713.5
	10M	Low	704.0
		Middle	707.5
		High	711.0
LTE Band 13	5M	Low	779.5
		Middle	782.0
		High	784.5
	10M	Low	/
		Middle	782.0
		High	/
LTE Band 14	5M	Low	780.5
		Middle	793.0
		High	795.5
	10M	Low	/
		Middle	793.0
		High	/
LTE Band 17	5M	Low	706.5
		Middle	710.0
		High	713.5
	10M	Low	709.0
		Middle	710.0
		High	711.0

Mode		Channel	Frequency (MHz)
LTE Band 25	1.4M	Low	1850.7
		Middle	1882.5
		High	1914.3
	3M	Low	1851.5
		Middle	1882.5
		High	1913.5
	5M	Low	1852.5
		Middle	1882.5
		High	1912.5
	10M	Low	1855.0
		Middle	1882.5
		High	1910.0
	15M	Low	1857.5
		Middle	1882.5
		High	1907.5
LTE Band 26	1.4M	Low	1860.0
		Middle	1882.5
		High	1905.0
		Low	814.7
	3M	Cross	824.0
		Middle	831.5
		High	848.3
		Low	815.5
	5M	Cross	824.0
		Middle	831.5
		High	847.5
		Low	816.5
	10M	Cross	824.0
		Middle	831.5
		High	846.5
		Low	819.0
	15M	Cross	824.0
		Middle	831.5
		High	844.0
		Low	821.5
		Cross	824.0
		Middle	831.5
		High	841.5
		Low	821.5

Mode		Channel	Frequency (MHz)
LTE Band 38	5M	Low	2572.5
		Middle	2595.0
		High	2617.5
	10M	Low	2575.0
		Middle	2595.0
		High	2615.0
	15M	Low	2577.5
		Middle	2595.0
		High	2612.5
	20M	Low	2580.0
		Middle	2595.0
		High	2610.0
LTE Band 41	5M	Low	2537.5
		Middle	2595.0
		High	2652.5
	10M	Low	2540.0
		Middle	2595.0
		High	2650.0
	15M	Low	2542.5
		Middle	2595.0
		High	2647.5
	20M	Low	2545.0
		Middle	2595.0
		High	2645.0

Mode		Channel	Frequency (MHz)
LTE Band 66	1.4M	Low	1710.7
		Middle	1745.0
		High	1779.3
	3M	Low	1711.5
		Middle	1745.0
		High	1778.5
	5M	Low	1712.5
		Middle	1745.0
		High	1777.5
	10M	Low	1715.0
		Middle	1745.0
		High	1775.0
	15M	Low	1717.5
		Middle	1745.0
		High	1772.5
	20M	Low	1720.0
		Middle	1745.0
		High	1770.0
LTE Band 71	5M	Low	665.5
		Middle	680.5
		High	695.5
	10M	Low	668.0
		Middle	680.5
		High	693.0
	15M	Low	670.5
		Middle	680.5
		High	690.5
	20M	Low	673.0
		Middle	680.5
		High	688.0

Equipment Modifications

No modifications were made to the EUT.

Support Equipment List and Details

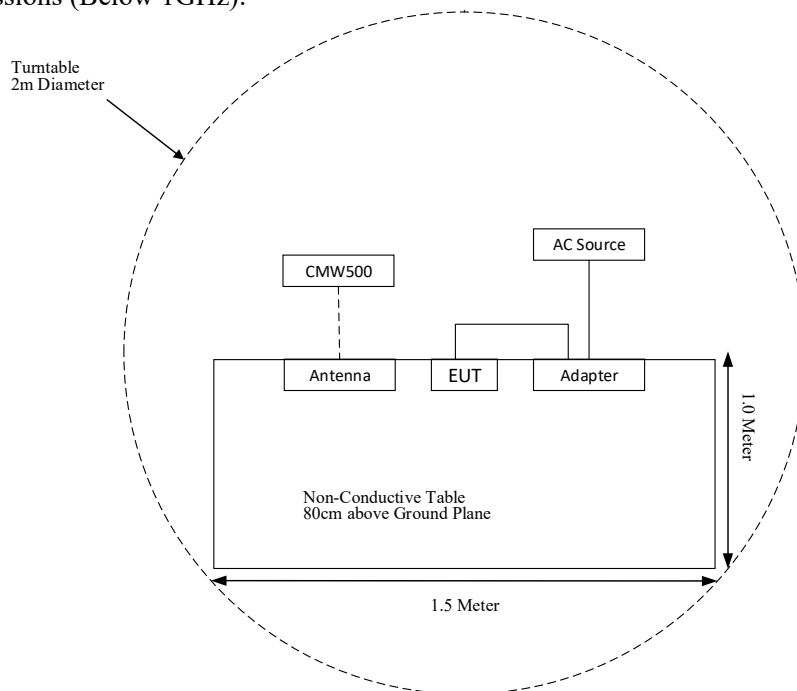
Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478

External I/O Cable

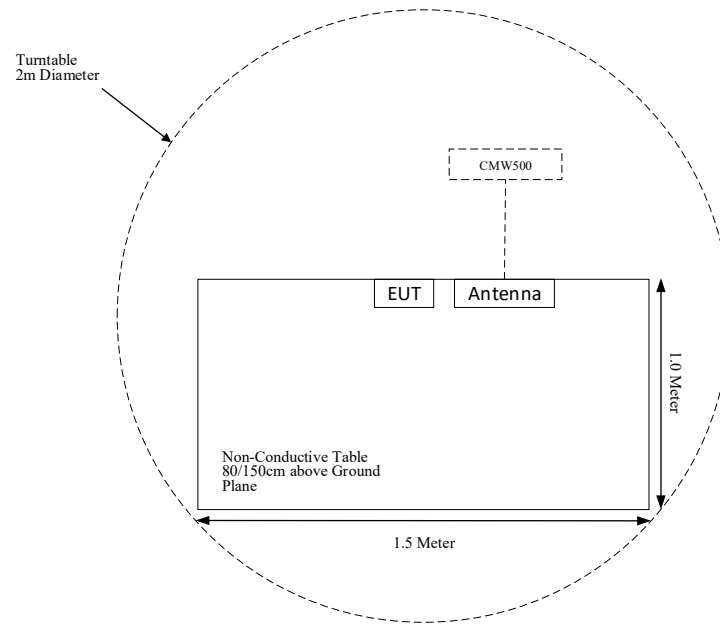
Cable Description	Length (m)	From Port	To
Power Cable 1	1.0	AC Source	Adapter
Power Cable 2	1.0	Adapter	EUT

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz):



For Radiated Emissions(Above 1 GHz):



TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2024-04-23	2025-04-22
Keysight	Signal Generator	N5183A	MY47420304	2024-04-24	2025-04-23
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2023-11-11	2024-11-10
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2023-01-12	2026-01-11
Sonoma Instrument	Amplifier	310N	171205	2024-04-23	2025-04-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2024-04-23	2025-04-22
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-24	2025-04-23
Radiated Emission Test (Chamber #2)					
Keysight	Signal Generator	N5183A	MY47420304	2024-04-24	2025-04-23
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2023-06-27	2026-06-26
ETS-LINDGREN	Horn Antenna	3115	6229	2023-01-16	2026-01-15
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
ETS-LINDGREN	Horn Antenna	3116	84159	2023-12-08	2024-12-07
A.H.Systems,inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
EM Electronics Corporation	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-04-25	2025-04-24
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-24	2025-04-23

RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2024-04-24	2025-04-23
Rohde & Schwarz	Spectrum Analyzer	FSIQ26	100048	2024-04-24	2025-04-23
BACL	Temperature & Humidity Chamber	BTH-150	30023	2024-04-25	2025-04-24
EAST	Regulated DC Power Supply	MCH-303D-II	14070562	2023-10-10	2024-10-09
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-24	2025-04-23
Narda	Attenuator	10dB	010	2024-04-24	2025-04-23
MACOM	Power Splitter	2090-6214-00	96341	2024-04-23	2025-04-22
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Unknown	RF Cable	RF Cable C01	C01	Each Time	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§2.1046; § 22.913 (a); §24.232 (c); §27.50 (b)(c)(d) (h) §90.635 (b)	RF Output Power	Compliant
§ 2.1047	Modulation Characteristics	Not Applicable
§2.1049; §22.905; §22.917; §24.238; §27.53; §90.209	Occupied Bandwidth	Compliant
§2.1051; §22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.691	Spurious Emissions at Antenna Terminal	Compliant
§2.1053; §22.917 (a) §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.691	Spurious Radiated Emissions	Compliant
§22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.691	Band Edge	Compliant
§2.1055; §22.355; §24.235; §27.54; §90.213	Frequency stability	Compliant
§15.247 (I), §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant

FCC §1.1310 & §2.1091 - MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart §2.1091 and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculation Data:

Mode	Frequency Range (MHz)	Antenna Gain		Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)	MPE Ratio
		(dBi)	(numeric)	(dBm)	(mW)				
BT	2402-2480	1.31	1.35	11.5	14.13	20	0.0038	1.0	0.0038
BLE		1.31	1.35	6.5	4.47	20	0.0012	1.0	0.0012
2.4G Wi-Fi	2412-2462	1.31	1.35	24.5	281.84	20	0.0757	1.0	0.0757
5G Wi-Fi	5150-5250	2.87	2.42	14.5	28.18	20	0.0109	1.0	0.0109
	5725-5850	4.09	2.42	13.5	22.39	20	0.0114	1.0	0.0114
GSM850 (GPRS/EGPRS)	824-849	-1.46	0.71	26.24	420.73	20	0.0598	0.5493	0.1089
PCS1900 (GPRS/EGPRS)	1850-1910	0.38	1.09	22.74	187.93	20	0.0407	1.0	0.0407
WCDMA Band II	1850-1910	0.38	1.09	23	199.53	20	0.0433	1.0	0.0433
WCDMA Band IV	1710-1755	1.33	1.36	23	199.53	20	0.0540	1.0	0.0540
WCDMA Band V	824-849	-1.46	0.71	23	199.53	20	0.0284	0.5493	0.0517
LTE Band 2	1850-1910	0.38	1.09	22.5	177.83	20	0.0386	1.0	0.0386
LTE Band 4	1710-1755	1.33	1.36	23	199.53	20	0.0540	1.0	0.0540
LTE Band 5	824-849	-1.46	0.71	22.5	177.83	20	0.0253	0.5493	0.0461
LTE Band 7	2500-2570	1.51	1.42	24	251.19	20	0.0710	1.0	0.0710
LTE Band 12	699-716	-4.98	0.32	23	199.53	20	0.0126	0.466	0.0270
LTE Band 13	777-787	-3.1	0.49	22.5	177.83	20	0.0173	0.518	0.0334
LTE Band 14	788-798	-3.06	0.49	22.5	177.83	20	0.0175	0.5253	0.0333
LTE Band 17	704-716	-4.98	0.32	23.5	223.87	20	0.0141	0.4693	0.0300
LTE Band 25	1850-1915	0.38	1.09	23.5	223.87	20	0.0485	1.0	0.0485
LTE Band 26	814-849	-1.46	0.71	23	199.53	20	0.0284	0.5427	0.0523
LTE Band 66	1710-1780	1.33	1.36	23	199.53	20	0.0540	1.0	0.0540
LTE Band 71	663-698	-6	0.25	22.5	177.83	20	0.0089	0.442	0.0201
LTE Band 38	2570-2620	0.81	1.21	23	199.53	20	0.0480	1.0	0.0480
LTE Band 41	2535-2655	1.41	1.38	23	199.53	20	0.0548	1.0	0.0548
NFC	13.56	0.00	1.00	-13.92	0.04	20	<0.0001	0.98	<0.0001
NFC field strength is 81.28dBμV/m = -13.92dBm (0.04mW) EIRP. That equal to antenna gain is 0dBi and used the EIRP value as conducted power.									

Note:

1. For the above tune up power were declared by the manufacturer.
2. For NFC: EIRP[dBm] = E[dBμV/m]- 95.2 for d = 3 m.

GSM850: Maximum Tune-up output power with 1 slot is 33dBm, 2 slot is 32.00 dBm, 3 slot is 30.50 dBm, 4 slot is 29.00 dBm so the max tune-up time based Ave. power compared to slot Ave. power is 4slot 26.24dBm

PCS1900: Maximum Tune-up output power with 1 slot is 29.50 dBm, 2 slot is 29.0 dBm, 3 slot is 27.0 dBm, 4 slot is 25.5 dBm so the max tune-up time based Ave. power compared to slot Ave. power is 22.74dBm

Number of Time slot	1	2	3	4
Duty Cycle	1:8	1:4	1:2.66	1:2
Time based Ave. power compared to slotted Ave. power	-9 dB	-6 dB	-4.26 dB	-3 dB

Note:

1. For the above tune up power were declared by the manufacturer.
2. 2.4G Wi-Fi , GSM850 and NFC can transmit simultaneously (worst case) .

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.0757 + 0.1089 + 0.0001 = 0.1847 < 1.0$$

Result: The device meet FCC MPE at 20 cm distance.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E, Part 27, Part 90 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC §2.1046; § 22.913 (a); §24.232 (c); §27.50 (b) (c) (d) (h); §90.635 (b) - RF OUTPUT POWER

Applicable Standards

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts (38.45dBm).

According to FCC §2.1046 and §24.232 (c), mobile and portable stations are limited to 2 watts (33dBm) EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

§27.50(b) Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806 MHz bands are limited to 30 watts ERP.

§27.50(c) Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP

According to §27.50(d), the maximum EIRP must not exceed 1Watts (30dBm) for 1710-1780MHz.

According to §27.50(h) (2), Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to FCC §2.1046 and §90.635 (b), The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)

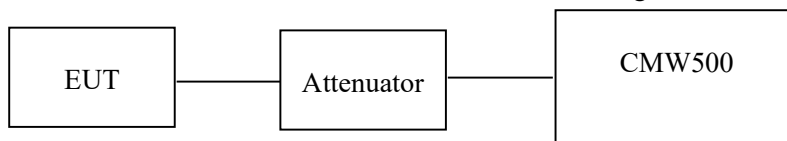
The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure

According to CFR Part 2.1046, ANSI C63.26-2015 Section 5.2.5.5:

Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation.



Test Data: See appendix A

FCC §2.1049, §22.917, §22.905 & §24.238, §27.53, §90.209- OCCUPIED BANDWIDTH**Applicable Standards**

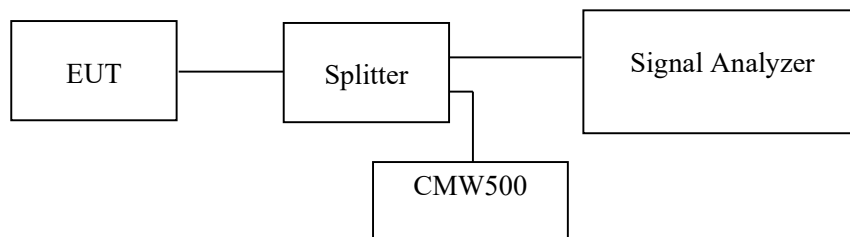
FCC 47 §2.1049, §22.917, §22.905; §24.238; §27.53; §90.209.

Test Procedure

According to CFR Part 2.1049, ANSI C63.26-2015 Section 5.4.4

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 3 kHz (Cellular /PCS) & 100 kHz (WCDMA) & 30 kHz/50 kHz/100 kHz/200 kHz (LTE), and the 26 dB & 99% bandwidth was recorded.



Test Data: See appendix A & appendix C

**FCC § 2.1051; § 22.917 (a); § 24.238 (a); §27.53 (c) (f) (g) (h) (m); § 90.691 -
SPURIOUS EMISSIONS AT ANTENNA TERMINALS****Applicable Standards**

FCC §2.1051, §22.917(a), §24.238(a), §27.53 (c) (f) (g) (h) (m) and § 90.691.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

According to §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

24.238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

27.53 (c)

c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

27.53(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

27.53m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor

shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

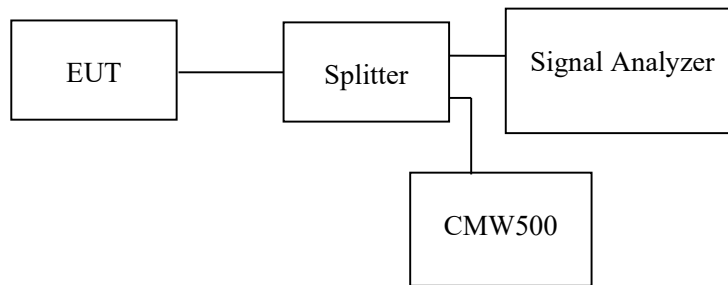
According to §27.53(m), for mobile digital stations, any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log (P)$ dB.

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Test Procedure

According to ANSI C63.26-2015 Section 5.7.4:

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz for below 1GHz & 1MHz for above 1GHz. sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Test Data: See Appendix A&D

FCC § 2.1053; § 22.917 (a); § 24.238 (a) & §27.53 (c) (f) (g) (h) (m); § 90.691 - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC § 2.1053, §22.917(a) and § 24.238(a), §90.691 and § 27.53 (c) (f) (g) (h) (m)

22.917 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

24.238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

27.53(h) (m), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

27.53m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below

2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TX pwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \log_{10} (\text{power out in Watts})$

Test Data: See Appendix A

FCC § 22.917 (a); § 24.238 (a); § 27.53 (c) (f) (g) (h) (m); § 90.691 - BAND EDGES

Applicable Standards

22.917 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

24.238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

27.53(h) (m), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P)$ dB.

27.53m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below

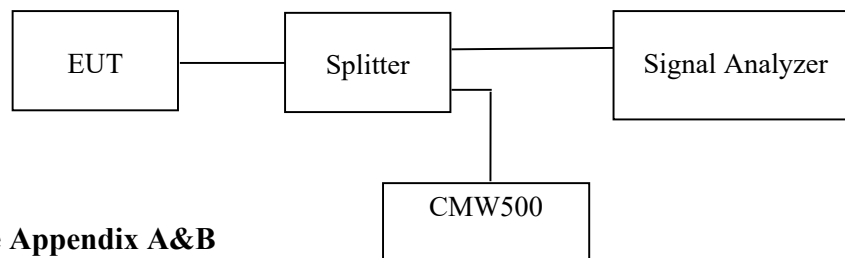
2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



Test Data: See Appendix A&B

FCC § 2.1055; § 22.355; § 24.235; §27.54; §90.213- FREQUENCY STABILITY**Applicable Standards**

FCC § 2.1055, §22.355, §24.235, §27.54 and § 90.213.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

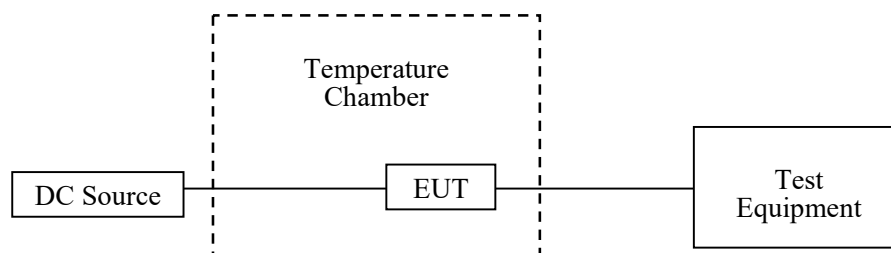
According to §27.54 Frequency stability, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Data: See appendix A

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT F - TEST SETUP PHOTOGRAPHS.

APPENDIX A - TEST DATA

Environmental Conditions & Test Information

Test Item:	FREQUENCY STABILITY	TRANSMITTER OUTPUT POWER	OCCUPIED BANDWIDTH	SPURIOUS EMISSIONS AT ANTENNA TERMINALS	SPURIOUS RADIATED EMISSIONS	Band Edge
Test Date:	2024-05-20	2024-05-20	2024-05-18 to 2024-05-24	2024-05-18 to 2024-06-26	2024-05-18 to 2024-05-24	2024-05-18 to 2024-05-24
Temperature:	17.3 °C	17.3 °C	17.5-20.2 °C	17.0-20.5 °C	17.0-18.5 °C	17.5-20.2 °C
Relative Humidity:	51 %	51 %	45-55 %	40-52 %	40-50 %	45-55 %
ATM Pressure:	101.8 kPa	101.8 kPa	101.5-102.0 kPa	101.2-102.0 kPa	101.2-101.5 kPa	101.5-102.0 kPa
Test Result:	Pass	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Bard Liu					

RF OUTPUT POWER**GPRS/EGPRS 850 Band**

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				ERP (dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
GPRS	128	824.2	32.37	31.54	29.79	28.44	28.76	27.93	26.18	24.83	38.45
	190	836.6	32.59	31.77	30.01	28.67	28.98	28.16	26.40	25.06	38.45
	251	848.8	32.62	31.90	30.06	28.73	29.01	28.29	26.45	25.12	38.45

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				ERP (dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
EGPRS	128	824.2	27.53	26.46	24.43	23.24	23.92	22.85	20.82	19.63	38.45
	190	836.6	27.66	26.56	22.78	21.74	24.05	22.95	19.17	18.13	38.45
	251	848.8	28.07	26.90	24.66	23.77	24.46	23.29	21.05	20.16	38.45

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

GPRS/EGPRS 1900 Band

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				EIRP (dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
GPRS	512	1850.2	29.34	28.58	26.51	25.44	29.72	28.96	26.89	25.82	33
	661	1880	29.28	28.18	25.86	24.76	29.66	28.56	26.24	25.14	33
	810	1909.8	28.26	27.11	24.79	23.65	28.64	27.49	25.17	24.03	33

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				EIRP (dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
EGPRS	512	1850.2	26.66	25.60	23.51	22.74	27.04	25.98	23.89	23.12	33
	661	1880	25.80	24.72	22.81	21.74	26.18	25.1	23.19	22.12	33
	810	1909.8	25.96	24.75	22.76	21.64	26.34	25.13	23.14	22.02	33

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

WCDMA Band II

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 2)	RMC12.2k		22.04	22.82	21.83	22.42	23.20	22.21
	HSDPA	1	22.00	21.42	21.62	21.80	22.00	16.28
		2	22.05	21.66	21.85	22.04	22.23	16.51
		3	21.58	21.46	21.71	21.84	22.09	16.37
		4	21.37	21.90	21.85	22.28	22.23	16.51
	HSUPA	1	22.05	21.48	21.88	21.86	22.26	16.54
		2	22.06	21.26	21.18	21.64	21.56	15.84
		3	22.24	21.58	21.25	21.96	21.63	15.91
		4	21.38	21.88	21.72	22.26	22.10	16.38
		5	21.66	21.89	21.12	22.27	21.50	15.78
	HUPA+	1	21.28	21.33	21.20	21.71	21.58	15.86

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP_≤33dBm**WCDMA Band IV**

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 4)	RMC12.2k		22.51	22.46	22.51	23.84	23.79	23.84
	HSDPA	1	22.17	21.27	21.51	23.50	22.60	22.84
		2	21.39	21.76	21.77	22.72	23.09	23.10
		3	21.48	21.97	21.63	22.81	23.30	22.96
		4	21.28	21.45	21.07	22.61	22.78	22.40
	HSUPA	1	21.35	21.56	21.44	22.68	22.89	22.77
		2	21.62	21.49	21.22	22.95	22.82	22.55
		3	21.82	21.96	21.61	23.15	23.29	22.94
		4	21.78	21.54	21.51	23.11	22.87	22.84
		5	22.20	21.48	21.26	23.53	22.81	22.59
	HUPA+	1	21.97	21.17	21.05	23.30	22.50	22.38

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP_≤30dBm

WCDMA Band V

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 5)	RMC12.2k		22.49	21.98	22.59	18.88	18.37	18.98
	HSDPA	1	22.47	21.42	22.30	18.86	17.81	18.69
		2	22.46	21.59	22.29	18.85	17.98	18.68
		3	22.56	21.29	22.42	18.95	17.68	18.81
		4	22.42	21.93	22.28	18.81	18.32	18.67
	HSUPA	1	22.42	21.99	22.42	18.81	18.38	18.81
		2	22.49	21.19	22.47	18.88	17.58	18.86
		3	22.45	21.59	22.20	18.84	17.98	18.59
		4	22.41	21.58	22.21	18.80	17.97	18.60
		5	22.46	21.99	22.25	18.85	18.38	18.64
	HSPA+	1	22.36	21.17	22.32	18.75	17.56	18.71

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

ERP≤38.5dBm

LTE Band 2

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.09	21.87	21.21	22.47	22.25	21.59
		1#3	21.76	22.03	21.96	22.14	22.41	22.34
		1#5	21.30	21.71	21.17	21.68	22.09	21.55
		3#0	22.06	22.17	21.54	22.44	22.55	21.92
		3#3	21.92	21.52	22.02	22.30	21.90	22.40
		6#0	21.52	22.20	21.05	21.90	22.58	21.43
	16QAM	1#0	21.67	21.55	21.16	22.05	21.93	21.54
		1#3	21.83	21.96	21.98	22.21	22.34	22.36
		1#5	21.73	22.05	21.82	22.11	22.43	22.20
		3#0	21.57	22.01	21.28	21.95	22.39	21.66
		3#3	22.17	22.13	21.51	22.55	22.51	21.89
		6#0	21.70	22.03	21.72	22.08	22.41	22.10
3	QPSK	1#0	21.28	22.12	21.83	21.66	22.50	22.21
		1#8	21.74	22.11	21.33	22.12	22.49	21.71
		1#14	22.17	21.79	21.49	22.55	22.17	21.87
		6#0	22.24	22.00	21.50	22.62	22.38	21.88
		6#9	21.95	21.43	22.00	22.33	21.81	22.38
		15#0	22.04	21.78	21.44	22.42	22.16	21.82
	16QAM	1#0	21.97	21.81	21.92	22.35	22.19	22.30
		1#8	21.31	21.51	21.50	21.69	21.89	21.88
		1#14	22.25	21.92	21.59	22.63	22.30	21.97
		6#0	21.50	21.29	22.00	21.88	21.67	22.38
		6#9	21.41	21.79	21.38	21.79	22.17	21.76
		15#0	21.57	21.42	21.54	21.95	21.80	21.92

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	21.39	21.64	22.03	21.77	22.02	22.41
		1#13	22.00	21.38	21.47	22.38	21.76	21.85
		1#24	21.84	21.46	21.41	22.22	21.84	21.79
		15#0	21.35	21.67	21.51	21.73	22.05	21.89
		15#10	21.92	22.03	21.91	22.30	22.41	22.29
		25#0	21.44	21.81	21.56	21.82	22.19	21.94
	16QAM	1#0	21.53	21.62	21.52	21.91	22.00	21.90
		1#13	21.73	21.75	21.85	22.11	22.13	22.23
		1#24	21.91	21.45	21.69	22.29	21.83	22.07
		15#0	21.85	21.55	21.81	22.23	21.93	22.19
		15#10	21.82	21.82	21.75	22.20	22.20	22.13
		25#0	21.43	21.71	22.07	21.81	22.09	22.45
10	QPSK	1#0	21.80	21.49	22.20	22.18	21.87	22.58
		1#25	21.85	21.93	21.32	22.23	22.31	21.70
		1#49	21.98	21.36	22.26	22.36	21.74	22.64
		25#0	21.64	22.24	21.57	22.02	22.62	21.95
		25#25	21.89	21.53	21.61	22.27	21.91	21.99
		50#0	22.20	21.76	22.26	22.58	22.14	22.64
	16QAM	1#0	21.99	21.38	22.03	22.37	21.76	22.41
		1#25	21.60	21.67	21.76	21.98	22.05	22.14
		1#49	21.44	21.46	22.23	21.82	21.84	22.61
		25#0	21.81	22.00	21.54	22.19	22.38	21.92
		25#25	21.42	21.43	21.68	21.80	21.81	22.06
		50#0	21.97	21.43	22.08	22.35	21.81	22.46

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.22	21.35	21.66	22.60	21.73	22.04
		1#38	22.23	22.18	21.63	22.61	22.56	22.01
		1#74	21.83	21.47	22.07	22.21	21.85	22.45
		36#0	21.94	21.56	21.97	22.32	21.94	22.35
		36#39	21.69	21.62	21.83	22.07	22.00	22.21
		75#0	21.70	21.50	21.76	22.08	21.88	22.14
	16QAM	1#0	22.15	21.64	22.23	22.53	22.02	22.61
		1#38	21.78	21.64	21.48	22.16	22.02	21.86
		1#74	21.85	21.38	21.71	22.23	21.76	22.09
		36#0	22.19	21.89	21.43	22.57	22.27	21.81
		36#39	21.88	21.51	21.43	22.26	21.89	21.81
		75#0	21.30	21.74	21.47	21.68	22.12	21.85
20	QPSK	1#0	21.98	21.82	21.69	22.36	22.20	22.07
		1#50	21.65	21.64	21.65	22.03	22.02	22.03
		1#99	21.91	21.70	22.20	22.29	22.08	22.58
		50#0	21.46	21.61	21.66	21.84	21.99	22.04
		50#50	22.03	21.72	21.67	22.41	22.10	22.05
		100#0	21.44	22.18	21.47	21.82	22.56	21.85
	16QAM	1#0	21.99	21.83	22.20	22.37	22.21	22.58
		1#50	22.22	22.01	21.36	22.60	22.39	21.74
		1#99	21.44	21.85	21.35	21.82	22.23	21.73
		50#0	21.30	21.55	21.97	21.68	21.93	22.35
		50#50	21.48	21.70	21.30	21.86	22.08	21.68
		100#0	21.46	21.61	21.51	21.84	21.99	21.89

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤33dBm

LTE Band 4

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.33	22.35	22.55	23.66	23.68	23.88
		1#3	22.51	22.42	22.41	23.84	23.75	23.74
		1#5	22.37	22.55	22.32	23.70	23.88	23.65
		3#0	22.42	22.44	22.33	23.75	23.77	23.66
		3#3	22.37	22.36	22.26	23.70	23.69	23.59
		6#0	22.39	22.36	22.31	23.72	23.69	23.64
	16QAM	1#0	22.26	22.26	22.38	23.59	23.59	23.71
		1#3	22.29	22.43	22.45	23.62	23.76	23.78
		1#5	22.46	22.28	22.32	23.79	23.61	23.65
		3#0	22.42	22.35	22.34	23.75	23.68	23.67
		3#3	22.51	22.34	22.50	23.84	23.67	23.83
		6#0	22.46	22.38	22.31	23.79	23.71	23.64
3	QPSK	1#0	22.32	22.48	22.43	23.65	23.81	23.76
		1#8	22.47	22.30	22.43	23.80	23.63	23.76
		1#14	22.41	22.26	22.51	23.74	23.59	23.84
		6#0	22.51	22.52	22.53	23.84	23.85	23.86
		6#9	22.46	22.32	22.51	23.79	23.65	23.84
		15#0	22.31	22.27	22.36	23.64	23.60	23.69
	16QAM	1#0	22.46	22.35	22.49	23.79	23.68	23.82
		1#8	22.51	22.39	22.52	23.84	23.72	23.85
		1#14	22.38	22.46	22.30	23.71	23.79	23.63
		6#0	22.27	22.28	22.56	23.60	23.61	23.89
		6#9	22.33	22.31	22.49	23.66	23.64	23.82
		15#0	22.33	22.52	22.55	23.66	23.85	23.88

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.50	22.49	22.42	23.83	23.82	23.75
		1#13	22.30	22.54	22.39	23.63	23.87	23.72
		1#24	22.40	22.28	22.50	23.73	23.61	23.83
		15#0	22.51	22.29	22.36	23.84	23.62	23.69
		15#10	22.39	22.46	22.49	23.72	23.79	23.82
		25#0	22.41	22.46	22.33	23.74	23.79	23.66
	16QAM	1#0	22.43	22.43	22.33	23.76	23.76	23.66
		1#13	22.43	22.45	22.45	23.76	23.78	23.78
		1#24	22.30	22.32	22.51	23.63	23.65	23.84
		15#0	22.41	22.27	22.35	23.74	23.60	23.68
		15#10	22.43	22.47	22.28	23.76	23.80	23.61
		25#0	22.48	22.46	22.42	23.81	23.79	23.75
10	QPSK	1#0	22.38	22.30	22.47	23.71	23.63	23.80
		1#25	22.52	22.32	22.28	23.85	23.65	23.61
		1#49	22.54	22.35	22.54	23.87	23.68	23.87
		25#0	22.43	22.27	22.49	23.76	23.60	23.82
		25#25	22.56	22.31	22.42	23.89	23.64	23.75
		50#0	22.39	22.37	22.29	23.72	23.70	23.62
	16QAM	1#0	21.60	21.68	22.08	22.93	23.01	23.41
		1#25	21.40	21.76	21.49	22.73	23.09	22.82
		1#49	21.45	21.83	22.00	22.78	23.16	23.33
		25#0	21.37	22.24	21.95	22.70	23.57	23.28
		25#25	21.85	22.03	22.10	23.18	23.36	23.43
		50#0	22.24	21.50	21.73	23.57	22.83	23.06

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.29	22.32	22.35	23.62	23.65	23.68
		1#38	22.51	22.37	22.32	23.84	23.70	23.65
		1#74	22.31	22.27	22.49	23.64	23.60	23.82
		36#0	22.30	22.39	22.38	23.63	23.72	23.71
		36#39	22.51	22.29	22.39	23.84	23.62	23.72
		75#0	22.48	22.35	22.51	23.81	23.68	23.84
	16QAM	1#0	22.47	22.44	22.31	23.80	23.77	23.64
		1#38	22.46	22.46	22.55	23.79	23.79	23.88
		1#74	22.37	22.53	22.28	23.70	23.86	23.61
		36#0	22.46	22.31	22.29	23.79	23.64	23.62
		36#39	22.45	22.40	22.32	23.78	23.73	23.65
		75#0	22.26	22.52	22.41	23.59	23.85	23.74
20	QPSK	1#0	22.43	22.35	22.52	23.76	23.68	23.85
		1#50	22.39	22.56	22.32	23.72	23.89	23.65
		1#99	22.30	22.44	22.53	23.63	23.77	23.86
		50#0	22.44	22.36	22.36	23.77	23.69	23.69
		50#50	22.52	22.41	22.40	23.85	23.74	23.73
		100#0	22.32	22.41	22.42	23.65	23.74	23.75
	16QAM	1#0	21.44	21.83	21.72	22.77	23.16	23.05
		1#50	21.84	21.90	22.19	23.17	23.23	23.52
		1#99	22.17	21.42	21.68	23.50	22.75	23.01
		50#0	21.40	22.06	22.24	22.73	23.39	23.57
		50#50	22.18	22.06	21.39	23.51	23.39	22.72
		100#0	22.02	21.85	22.17	23.35	23.18	23.50

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤30dBm

LTE Band 5

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	21.36	21.41	21.84	17.75	17.80	18.23
		1#3	21.39	21.42	21.66	17.78	17.81	18.05
		1#5	21.90	21.76	22.11	18.29	18.15	18.50
		3#0	21.92	21.64	21.44	18.31	18.03	17.83
		3#3	21.45	21.85	21.56	17.84	18.24	17.95
		6#0	21.78	21.69	21.77	18.17	18.08	18.16
	16QAM	1#0	22.17	21.45	21.78	18.56	17.84	18.17
		1#3	22.17	21.28	21.84	18.56	17.67	18.23
		1#5	21.35	22.05	21.33	17.74	18.44	17.72
		3#0	22.11	22.12	21.33	18.50	18.51	17.72
		3#3	21.63	21.47	21.31	18.02	17.86	17.70
		6#0	21.75	21.74	21.29	18.14	18.13	17.68
3	QPSK	1#0	22.11	21.99	22.21	18.50	18.38	18.60
		1#8	21.75	21.94	21.83	18.14	18.33	18.22
		1#14	22.19	21.61	21.71	18.58	18.00	18.10
		6#0	21.88	21.98	21.57	18.27	18.37	17.96
		6#9	21.66	21.67	21.95	18.05	18.06	18.34
		15#0	21.44	22.19	21.74	17.83	18.58	18.13
	16QAM	1#0	21.58	21.60	21.29	17.97	17.99	17.68
		1#8	22.25	21.53	21.78	18.64	17.92	18.17
		1#14	21.29	21.94	21.86	17.68	18.33	18.25
		6#0	22.14	21.76	22.18	18.53	18.15	18.57
		6#9	21.59	21.82	21.51	17.98	18.21	17.90
		15#0	21.92	21.42	21.35	18.31	17.81	17.74

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.12	21.84	22.03	18.51	18.23	18.42
		1#13	21.86	21.72	21.64	18.25	18.11	18.03
		1#24	22.22	21.67	22.03	18.61	18.06	18.42
		15#0	21.45	21.47	21.83	17.84	17.86	18.22
		15#10	22.18	22.11	22.02	18.57	18.50	18.41
		25#0	22.16	21.69	21.77	18.55	18.08	18.16
	16QAM	1#0	21.56	22.08	21.70	17.95	18.47	18.09
		1#13	21.31	21.43	21.35	17.70	17.82	17.74
		1#24	21.78	21.58	22.09	18.17	17.97	18.48
		15#0	22.25	22.21	21.43	18.64	18.60	17.82
		15#10	21.55	21.59	21.72	17.94	17.98	18.11
		25#0	21.41	22.16	21.49	17.80	18.55	17.88
10	QPSK	1#0	21.93	21.72	21.63	18.32	18.11	18.02
		1#25	21.90	21.62	22.07	18.29	18.01	18.46
		1#49	21.55	21.97	21.47	17.94	18.36	17.86
		25#0	22.14	21.55	22.11	18.53	17.94	18.50
		25#25	21.97	21.48	21.74	18.36	17.87	18.13
		50#0	21.76	21.34	21.43	18.15	17.73	17.82
	16QAM	1#0	22.15	22.22	22.35	18.54	18.61	18.74
		1#25	21.99	21.82	21.81	18.38	18.21	18.20
		1#49	22.14	22.12	22.25	18.53	18.51	18.64
		25#0	21.86	21.97	21.85	18.25	18.36	18.24
		25#25	21.55	21.65	21.74	17.94	18.04	18.13
		50#0	21.84	21.87	21.91	18.23	18.26	18.30

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤38.45dBm

LTE Band 7

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	23.39	23.48	23.21	24.90	24.99	24.72
		1#13	23.45	23.57	23.20	24.96	25.08	24.71
		1#24	23.57	23.31	23.35	25.08	24.82	24.86
		15#0	23.53	23.16	23.18	25.04	24.67	24.69
		15#10	23.58	23.36	23.30	25.09	24.87	24.81
		25#0	23.43	23.40	23.33	24.94	24.91	24.84
	16QAM	1#0	23.45	23.22	23.40	24.96	24.73	24.91
		1#13	23.58	23.46	23.22	25.09	24.97	24.73
		1#24	23.51	23.36	23.37	25.02	24.87	24.88
		15#0	23.56	23.31	23.34	25.07	24.82	24.85
		15#10	23.43	23.19	23.38	24.94	24.70	24.89
		25#0	23.53	23.39	23.22	25.04	24.90	24.73
10	QPSK	1#0	23.52	23.20	23.40	25.03	24.71	24.91
		1#25	23.51	23.46	23.29	25.02	24.97	24.80
		1#49	23.48	23.30	23.21	24.99	24.81	24.72
		25#0	23.57	23.42	23.30	25.08	24.93	24.81
		25#25	23.37	23.26	23.26	24.88	24.77	24.77
		50#0	23.38	23.45	23.36	24.89	24.96	24.87
	16QAM	1#0	23.44	23.51	23.19	24.95	25.02	24.70
		1#25	23.37	23.48	23.30	24.88	24.99	24.81
		1#49	23.46	23.16	23.24	24.97	24.67	24.75
		25#0	23.47	23.24	23.37	24.98	24.75	24.88
		25#25	23.50	23.18	23.29	25.01	24.69	24.80
		50#0	23.56	23.29	23.26	25.07	24.80	24.77

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	23.47	23.52	23.42	24.98	25.03	24.93
		1#38	23.52	23.41	23.27	25.03	24.92	24.78
		1#74	23.51	23.33	23.37	25.02	24.84	24.88
		36#0	23.36	23.34	23.36	24.87	24.85	24.87
		36#39	23.44	23.41	23.19	24.95	24.92	24.70
		75#0	23.53	23.49	23.21	25.04	25.00	24.72
	16QAM	1#0	23.48	23.40	23.39	24.99	24.91	24.90
		1#38	23.48	23.39	23.35	24.99	24.90	24.86
		1#74	23.44	23.34	23.29	24.95	24.85	24.80
		36#0	23.45	23.40	23.25	24.96	24.91	24.76
		36#39	23.56	23.28	23.22	25.07	24.79	24.73
		75#0	23.45	23.36	22.08	24.96	24.87	23.59
20	QPSK	1#0	23.46	23.26	23.21	24.97	24.77	24.72
		1#50	23.37	23.28	23.26	24.88	24.79	24.77
		1#99	23.38	23.30	23.42	24.89	24.81	24.93
		50#0	23.43	23.17	23.40	24.94	24.68	24.91
		50#50	23.57	23.21	23.44	25.08	24.72	24.95
		100#0	23.54	23.31	23.45	25.05	24.82	24.96
	16QAM	1#0	23.55	23.40	23.29	25.06	24.91	24.80
		1#50	23.40	23.45	23.41	24.91	24.96	24.92
		1#99	23.57	23.22	23.42	25.08	24.73	24.93
		50#0	23.49	23.44	23.36	25.00	24.95	24.87
		50#50	23.48	23.27	23.39	24.99	24.78	24.90
		100#0	23.45	23.19	23.18	24.96	24.70	24.69

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤33dBm

LTE Band 12

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.34	22.45	22.48	15.21	15.32	15.35
		1#3	22.19	22.34	22.46	15.06	15.21	15.33
		1#5	22.45	22.39	22.47	15.32	15.26	15.34
		3#0	22.10	22.45	22.43	14.97	15.32	15.30
		3#3	22.37	22.36	22.49	15.24	15.23	15.36
		6#0	22.31	22.40	22.51	15.18	15.27	15.38
	16QAM	1#0	22.40	22.46	22.48	15.27	15.33	15.35
		1#3	22.14	22.41	22.49	15.01	15.28	15.36
		1#5	22.45	22.37	22.47	15.32	15.24	15.34
		3#0	22.41	22.35	22.52	15.28	15.22	15.39
		3#3	22.45	22.46	22.49	15.32	15.33	15.36
		6#0	22.43	22.39	22.44	15.30	15.26	15.31
3	QPSK	1#0	22.35	22.42	22.45	15.22	15.29	15.32
		1#8	22.21	22.33	22.51	15.08	15.20	15.38
		1#14	22.42	22.37	22.48	15.29	15.24	15.35
		6#0	22.25	22.42	22.48	15.12	15.29	15.35
		6#9	22.45	22.45	22.50	15.32	15.32	15.37
		15#0	22.41	22.37	22.43	15.28	15.24	15.30
	16QAM	1#0	22.38	22.34	22.49	15.25	15.21	15.36
		1#8	22.34	22.44	22.44	15.21	15.31	15.31
		1#14	22.25	22.44	22.44	15.12	15.31	15.31
		6#0	22.20	22.38	22.42	15.07	15.25	15.29
		6#9	22.15	22.42	22.42	15.02	15.29	15.29
		15#0	22.33	22.37	22.44	15.20	15.24	15.31

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.15	22.38	22.50	15.02	15.25	15.37
		1#13	22.17	22.44	22.46	15.04	15.31	15.33
		1#24	22.42	22.42	22.48	15.29	15.29	15.35
		15#0	22.29	22.37	22.43	15.16	15.24	15.30
		15#10	22.18	22.35	22.43	15.05	15.22	15.30
		25#0	22.33	22.31	22.43	15.20	15.18	15.30
	16QAM	1#0	22.08	22.43	22.45	14.95	15.30	15.32
		1#13	22.32	22.34	22.42	15.19	15.21	15.29
		1#24	22.40	22.46	22.52	15.27	15.33	15.39
		15#0	22.39	22.37	22.45	15.26	15.24	15.32
		15#10	22.45	22.39	22.45	15.32	15.26	15.32
		25#0	22.32	22.34	22.47	15.19	15.21	15.34
10	QPSK	1#0	22.15	22.43	22.51	15.02	15.30	15.38
		1#25	22.23	22.36	22.48	15.10	15.23	15.35
		1#49	22.36	22.35	22.51	15.23	15.22	15.38
		25#0	22.34	22.38	22.50	15.21	15.25	15.37
		25#25	22.33	22.35	22.45	15.20	15.22	15.32
		50#0	22.13	22.41	22.47	15.00	15.28	15.34
	16QAM	1#0	22.23	22.39	22.51	15.10	15.26	15.38
		1#25	22.13	22.31	22.47	15.00	15.18	15.34
		1#49	22.44	22.39	22.46	15.31	15.26	15.33
		25#0	22.44	22.32	22.46	15.31	15.19	15.33
		25#25	22.25	22.36	22.43	15.12	15.23	15.30
		50#0	22.28	22.31	22.50	15.15	15.18	15.37

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤44.77dBm

LTE Band 13

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.20	22.36	22.44	16.95	17.11	17.19
		1#13	22.30	22.38	22.46	17.05	17.13	17.21
		1#24	22.32	22.37	22.48	17.07	17.12	17.23
		15#0	22.15	22.43	22.50	16.90	17.18	17.25
		15#10	22.21	22.38	22.50	16.96	17.13	17.25
		25#0	22.37	22.38	22.48	17.12	17.13	17.23
	16QAM	1#0	22.16	22.31	22.50	16.91	17.06	17.25
		1#13	22.26	22.33	22.49	17.01	17.08	17.24
		1#24	22.22	22.43	22.49	16.97	17.18	17.24
		15#0	22.10	22.07	21.51	16.85	16.82	16.26
		15#10	21.91	22.06	22.15	16.66	16.81	16.90
		25#0	21.37	21.32	22.24	16.12	16.07	16.99
10	QPSK	1#0	/	21.33	/	/	16.08	/
		1#25	/	21.86	/	/	16.61	/
		1#49	/	22.38	/	/	17.13	/
		25#0	/	22.35	/	/	17.10	/
		25#25	/	22.37	/	/	17.12	/
		50#0	/	22.42	/	/	17.17	/
	16QAM	1#0	/	22.42	/	/	17.17	/
		1#25	/	22.34	/	/	17.09	/
		1#49	/	22.33	/	/	17.08	/
		25#0	/	22.35	/	/	17.10	/
		25#25	/	22.32	/	/	17.07	/
		50#0	/	22.42	/	/	17.17	/

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤44.77dBm

LTE Band 14

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	21.50	22.02	21.44	16.29	16.81	16.23
		1#13	21.77	21.24	21.25	16.56	16.03	16.04
		1#24	21.45	22.06	21.05	16.24	16.85	15.84
		15#0	21.87	22.01	21.03	16.66	16.80	15.82
		15#10	21.37	21.98	21.97	16.16	16.77	16.76
		25#0	22.25	21.80	21.94	17.04	16.59	16.73
	16QAM	1#0	21.74	21.84	21.52	16.53	16.63	16.31
		1#13	21.98	21.23	21.58	16.77	16.02	16.37
		1#24	21.35	21.81	21.78	16.14	16.60	16.57
		15#0	21.86	21.32	21.66	16.65	16.11	16.45
		15#10	21.44	21.82	21.70	16.23	16.61	16.49
		25#0	21.39	21.14	21.19	16.18	15.93	15.98
10	QPSK	1#0	/	21.38	/	/	16.17	/
		1#25	/	21.72	/	/	16.51	/
		1#49	/	21.78	/	/	16.57	/
		25#0	/	22.11	/	/	16.90	/
		25#25	/	21.91	/	/	16.70	/
		50#0	/	21.91	/	/	16.70	/
	16QAM	1#0	/	21.71	/	/	16.50	/
		1#25	/	22.04	/	/	16.83	/
		1#49	/	21.56	/	/	16.35	/
		25#0	/	21.21	/	/	16.00	/
		25#25	/	21.13	/	/	15.92	/
		50#0	/	21.39	/	/	16.18	/

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤38.45dBm

LTE Band 17

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.30	22.30	22.42	15.17	15.17	15.29
		1#13	22.37	22.39	22.38	15.24	15.26	15.25
		1#24	22.49	22.32	22.38	15.36	15.19	15.25
		15#0	22.33	22.46	22.29	15.20	15.33	15.16
		15#10	22.46	22.31	22.31	15.33	15.18	15.18
		25#0	22.55	22.28	22.44	15.42	15.15	15.31
	16QAM	1#0	22.34	22.33	22.41	15.21	15.20	15.28
		1#13	22.29	22.46	22.27	15.16	15.33	15.14
		1#24	22.46	22.53	22.41	15.33	15.40	15.28
		15#0	22.34	22.53	22.47	15.21	15.40	15.34
		15#10	22.31	22.54	22.48	15.18	15.41	15.35
		25#0	22.46	22.45	22.47	15.33	15.32	15.34
10	QPSK	1#0	22.34	22.34	22.53	15.21	15.21	15.40
		1#25	22.41	22.47	22.31	15.28	15.34	15.18
		1#49	22.51	22.27	22.47	15.38	15.14	15.34
		25#0	22.48	22.27	22.33	15.35	15.14	15.20
		25#25	22.38	22.39	22.35	15.25	15.26	15.22
		50#0	22.50	22.32	22.38	15.37	15.19	15.25
	16QAM	1#0	21.79	21.47	21.41	14.66	14.34	14.28
		1#25	21.94	21.49	21.61	14.81	14.36	14.48
		1#49	22.23	22.23	21.75	15.10	15.10	14.62
		25#0	21.80	21.97	21.30	14.67	14.84	14.17
		25#25	21.95	21.27	21.69	14.82	14.14	14.56
		50#0	22.14	22.11	21.80	15.01	14.98	14.67

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤44.77dBm

LTE Band 25

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	23.12	22.90	22.78	23.50	23.28	23.16
		1#3	22.96	22.84	22.79	23.34	23.22	23.17
		1#5	22.87	22.87	22.74	23.25	23.25	23.12
		3#0	22.93	22.82	22.91	23.31	23.20	23.29
		3#3	22.93	22.91	22.81	23.31	23.29	23.19
		6#0	23.17	22.85	22.94	23.55	23.23	23.32
	16QAM	1#0	22.94	22.81	22.93	23.32	23.19	23.31
		1#3	23.00	22.89	22.91	23.38	23.27	23.29
		1#5	23.19	22.89	22.86	23.57	23.27	23.24
		3#0	23.02	22.81	22.76	23.40	23.19	23.14
		3#3	23.05	22.83	22.91	23.43	23.21	23.29
		6#0	22.98	22.86	22.90	23.36	23.24	23.28
3	QPSK	1#0	23.08	22.87	22.85	23.46	23.25	23.23
		1#8	23.19	22.90	22.92	23.57	23.28	23.30
		1#14	22.98	22.84	22.85	23.36	23.22	23.23
		6#0	23.11	22.82	22.93	23.49	23.20	23.31
		6#9	22.91	22.89	22.85	23.29	23.27	23.23
		15#0	22.97	22.90	22.73	23.35	23.28	23.11
	16QAM	1#0	23.20	22.86	22.80	23.58	23.24	23.18
		1#8	23.00	22.82	22.79	23.38	23.20	23.17
		1#14	23.12	22.89	22.80	23.50	23.27	23.18
		6#0	23.16	22.87	22.93	23.54	23.25	23.31
		6#9	23.25	22.90	22.72	23.63	23.28	23.10
		15#0	22.97	22.91	22.92	23.35	23.29	23.30

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.98	22.85	22.88	23.36	23.23	23.26
		1#13	23.10	22.81	22.79	23.48	23.19	23.17
		1#24	22.86	22.86	22.84	23.24	23.24	23.22
		15#0	23.10	22.87	22.87	23.48	23.25	23.25
		15#10	23.00	22.86	22.80	23.38	23.24	23.18
		25#0	22.94	22.89	22.83	23.32	23.27	23.21
	16QAM	1#0	23.03	22.84	22.77	23.41	23.22	23.15
		1#13	23.13	22.88	22.83	23.51	23.26	23.21
		1#24	23.17	22.87	22.90	23.55	23.25	23.28
		15#0	23.18	22.89	22.76	23.56	23.27	23.14
		15#10	22.97	22.90	22.84	23.35	23.28	23.22
		25#0	23.00	22.84	22.86	23.38	23.22	23.24
10	QPSK	1#0	22.86	22.91	22.82	23.24	23.29	23.20
		1#25	22.96	22.81	22.87	23.34	23.19	23.25
		1#49	22.88	22.81	22.82	23.26	23.19	23.20
		25#0	22.92	22.81	22.88	23.30	23.19	23.26
		25#25	23.25	22.81	22.78	23.63	23.19	23.16
		50#0	23.25	22.89	22.73	23.63	23.27	23.11
	16QAM	1#0	23.01	22.85	22.88	23.39	23.23	23.26
		1#25	22.87	22.89	22.92	23.25	23.27	23.30
		1#49	22.98	22.81	22.82	23.36	23.19	23.20
		25#0	22.97	22.82	22.76	23.35	23.20	23.14
		25#25	23.13	22.87	22.92	23.51	23.25	23.30
		50#0	23.26	22.87	22.85	23.64	23.25	23.23

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	23.04	22.89	22.73	23.42	23.27	23.11
		1#38	22.88	22.82	22.91	23.26	23.20	23.29
		1#74	22.88	22.84	22.76	23.26	23.22	23.14
		36#0	23.07	22.83	22.78	23.45	23.21	23.16
		36#39	23.25	22.89	22.94	23.63	23.27	23.32
		75#0	23.12	22.84	22.82	23.50	23.22	23.20
	16QAM	1#0	22.90	22.84	22.84	23.28	23.22	23.22
		1#38	23.10	22.83	22.82	23.48	23.21	23.20
		1#74	22.89	22.85	22.75	23.27	23.23	23.13
		36#0	23.01	22.87	22.78	23.39	23.25	23.16
		36#39	23.09	22.83	22.73	23.47	23.21	23.11
		75#0	23.02	22.87	22.78	23.40	23.25	23.16
20	QPSK	1#0	23.12	22.90	22.91	23.50	23.28	23.29
		1#50	23.17	22.88	22.88	23.55	23.26	23.26
		1#99	23.12	22.84	22.93	23.50	23.22	23.31
		50#0	23.26	22.90	22.92	23.64	23.28	23.30
		50#50	22.95	22.88	22.83	23.33	23.26	23.21
		100#0	22.97	22.84	22.92	23.35	23.22	23.30
	16QAM	1#0	23.16	22.83	22.88	23.54	23.21	23.26
		1#50	23.08	22.88	22.93	23.46	23.26	23.31
		1#99	23.10	22.81	22.86	23.48	23.19	23.24
		50#0	23.07	22.90	22.89	23.45	23.28	23.27
		50#50	23.19	22.85	22.89	23.57	23.23	23.27
		100#0	23.06	22.89	22.79	23.44	23.27	23.17

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP_≤33Bm

LTE Band 26

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)				ERP (dBm)			
			Low	Cross	Mid	High	Low	Cross	Mid	High
1.4	QPSK	1#0	22.94	22.38	22.62	22.74	19.33	18.77	19.01	19.13
		1#3	22.90	22.56	22.62	22.67	19.29	18.95	19.01	19.06
		1#5	22.91	22.51	22.53	22.83	19.30	18.90	18.92	19.22
		3#0	22.64	22.85	22.71	22.74	19.03	19.24	19.10	19.13
		3#3	22.86	22.60	22.78	22.69	19.25	18.99	19.17	19.08
		6#0	22.70	22.31	22.58	22.79	19.09	18.70	18.97	19.18
	16QAM	1#0	22.63	22.82	22.63	22.75	19.02	19.21	19.02	19.14
		1#3	22.75	22.31	22.75	22.81	19.14	18.70	19.14	19.20
		1#5	22.95	22.62	22.69	22.81	19.34	19.01	19.08	19.20
		3#0	22.73	22.43	22.54	22.73	19.12	18.82	18.93	19.12
		3#3	22.82	22.57	22.64	22.70	19.21	18.96	19.03	19.09
		6#0	22.70	22.53	22.61	22.78	19.09	18.92	19.00	19.17
3	QPSK	1#0	22.89	22.85	22.74	22.81	19.28	19.24	19.13	19.20
		1#8	22.87	22.33	22.72	22.76	19.26	18.72	19.11	19.15
		1#14	22.86	22.53	22.55	22.66	19.25	18.92	18.94	19.05
		6#0	22.79	22.45	22.55	22.63	19.18	18.84	18.94	19.02
		6#9	22.75	22.53	22.56	22.79	19.14	18.92	18.95	19.18
		15#0	22.61	22.61	22.58	22.80	19.00	19.00	18.97	19.19
	16QAM	1#0	22.77	22.57	22.58	22.79	19.16	18.96	18.97	19.18
		1#8	22.68	22.74	22.78	22.84	19.07	19.13	19.17	19.23
		1#14	22.60	22.52	22.64	22.74	18.99	18.91	19.03	19.13
		6#0	22.71	22.83	22.54	22.81	19.10	19.22	18.93	19.20
		6#9	22.85	22.68	22.70	22.74	19.24	19.07	19.09	19.13
		15#0	22.61	22.45	22.52	22.81	19.00	18.84	18.91	19.20

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)				ERP (dBm)			
			Low	Cross	Mid	High	Low	Cross	Mid	High
5	QPSK	1#0	22.76	22.15	22.78	22.78	19.15	18.54	19.17	19.17
		1#13	22.89	22.40	22.66	22.74	19.28	18.79	19.05	19.13
		1#24	22.77	22.57	22.54	22.63	19.16	18.96	18.93	19.02
		15#0	22.86	22.75	22.73	22.83	19.25	19.14	19.12	19.22
		15#10	22.72	22.72	22.73	22.65	19.11	19.11	19.12	19.04
		25#0	22.76	22.47	22.62	22.71	19.15	18.86	19.01	19.10
	16QAM	1#0	22.82	22.29	22.57	22.79	19.21	18.68	18.96	19.18
		1#13	22.68	22.58	22.66	22.82	19.07	18.97	19.05	19.21
		1#24	22.75	22.67	22.55	22.81	19.14	19.06	18.94	19.20
		15#0	22.86	22.53	22.56	22.81	19.25	18.92	18.95	19.20
		15#10	22.77	22.41	22.71	22.71	19.16	18.80	19.10	19.10
		25#0	22.61	22.85	22.63	22.62	19.00	19.24	19.02	19.01
10	QPSK	1#0	22.77	22.48	22.80	22.66	19.16	18.87	19.19	19.05
		1#25	22.60	22.58	22.54	22.64	18.99	18.97	18.93	19.03
		1#49	22.68	22.33	22.79	22.72	19.07	18.72	19.18	19.11
		25#0	22.81	22.54	22.52	22.76	19.20	18.93	18.91	19.15
		25#25	22.60	22.83	22.80	22.73	18.99	19.22	19.19	19.12
		50#0	22.61	22.69	22.56	22.68	19.00	19.08	18.95	19.07
	16QAM	1#0	22.91	22.46	22.66	22.77	19.30	18.85	19.05	19.16
		1#25	22.62	22.37	22.52	22.69	19.01	18.76	18.91	19.08
		1#49	22.82	22.45	22.56	22.70	19.21	18.84	18.95	19.09
		25#0	22.86	22.44	22.81	22.63	19.25	18.83	19.20	19.02
		25#25	22.77	22.77	22.72	22.80	19.16	19.16	19.11	19.19
		50#0	22.83	22.32	22.70	22.83	19.22	18.71	19.09	19.22

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)				ERP (dBm)			
			Low	Cross	Mid	High	Low	Cross	Mid	High
15	QPSK	1#0	22.77	22.37	22.58	22.73	19.16	18.76	18.97	19.12
		1#38	22.69	22.52	22.70	22.83	19.08	18.91	19.09	19.22
		1#74	22.65	22.54	22.74	22.84	19.04	18.93	19.13	19.23
		36#0	22.83	22.27	22.81	22.83	19.22	18.66	19.20	19.22
		36#39	22.88	22.31	22.77	22.72	19.27	18.70	19.16	19.11
		75#0	22.79	22.5	22.58	22.64	19.18	18.89	18.97	19.03
	16QAM	1#0	22.83	22.54	22.54	22.69	19.22	18.93	18.93	19.08
		1#38	22.72	22.37	22.54	22.69	19.11	18.76	18.93	19.08
		1#74	22.84	22.3	22.68	22.77	19.23	18.69	19.07	19.16
		36#0	22.59	22.4	22.71	22.62	18.98	18.79	19.10	19.01
		36#39	22.70	22.31	22.78	22.79	19.09	18.70	19.17	19.18
		75#0	22.91	22.34	22.70	22.75	19.30	18.73	19.09	19.14

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤38.45Bm

LTE Band 38

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.66	22.95	22.70	23.47	23.76	23.51
		1#13	22.80	22.88	22.64	23.61	23.69	23.45
		1#24	22.67	22.89	22.74	23.48	23.70	23.55
		15#0	22.98	22.85	22.64	23.79	23.66	23.45
		15#10	22.66	22.91	22.70	23.47	23.72	23.51
		25#0	22.93	22.91	22.73	23.74	23.72	23.54
	16QAM	1#0	22.68	22.91	22.64	23.49	23.72	23.45
		1#13	22.95	22.93	22.70	23.76	23.74	23.51
		1#24	22.97	22.86	22.65	23.78	23.67	23.46
		15#0	22.71	22.88	22.63	23.52	23.69	23.44
		15#10	22.94	22.91	22.67	23.75	23.72	23.48
		25#0	22.82	22.85	22.74	23.63	23.66	23.55
10	QPSK	1#0	22.87	22.88	22.64	23.68	23.69	23.45
		1#25	22.83	22.95	22.73	23.64	23.76	23.54
		1#49	22.89	22.94	22.66	23.70	23.75	23.47
		25#0	22.76	22.94	22.75	23.57	23.75	23.56
		25#25	22.76	22.94	22.70	23.57	23.75	23.51
		50#0	22.77	22.92	22.69	23.58	23.73	23.50
	16QAM	1#0	22.68	22.85	22.69	23.49	23.66	23.50
		1#25	22.77	22.93	22.71	23.58	23.74	23.52
		1#49	22.72	22.85	22.67	23.53	23.66	23.48
		25#0	22.84	22.91	22.63	23.65	23.72	23.44
		25#25	22.80	22.96	22.69	23.61	23.77	23.50
		50#0	22.80	22.92	22.67	23.61	23.73	23.48

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.98	22.87	22.75	23.79	23.68	23.56
		1#38	22.87	22.91	22.65	23.68	23.72	23.46
		1#74	22.74	22.85	22.63	23.55	23.66	23.44
		36#0	22.81	22.90	22.72	23.62	23.71	23.53
		36#39	22.91	22.87	22.74	23.72	23.68	23.55
		75#0	22.97	22.84	22.74	23.78	23.65	23.55
	16QAM	1#0	22.92	22.84	22.67	23.73	23.65	23.48
		1#38	22.66	22.93	22.62	23.47	23.74	23.43
		1#74	22.80	22.85	22.68	23.61	23.66	23.49
		36#0	22.88	22.98	22.62	23.69	23.79	23.43
		36#39	22.75	22.91	22.68	23.56	23.72	23.49
		75#0	22.82	22.96	22.62	23.63	23.77	23.43
20	QPSK	1#0	22.78	22.91	22.70	23.59	23.72	23.51
		1#50	22.84	22.97	22.71	23.65	23.78	23.52
		1#99	22.63	22.85	22.72	23.44	23.66	23.53
		50#0	22.85	22.95	22.63	23.66	23.76	23.44
		50#50	22.86	22.98	22.74	23.67	23.79	23.55
		100#0	22.79	22.84	22.67	23.60	23.65	23.48
	16QAM	1#0	22.73	22.91	22.75	23.54	23.72	23.56
		1#50	22.69	22.86	22.65	23.50	23.67	23.46
		1#99	22.78	22.92	22.73	23.59	23.73	23.54
		50#0	22.63	22.96	22.64	23.44	23.77	23.45
		50#50	22.79	22.90	22.67	23.60	23.71	23.48
		100#0	22.86	22.94	22.66	23.67	23.75	23.47

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP ≤ 33dBm

LTE Band 41

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.88	22.93	22.67	23.69	23.74	23.48
		1#13	22.78	22.85	22.75	23.59	23.66	23.56
		1#24	22.71	22.92	22.71	23.52	23.73	23.52
		15#0	22.72	22.92	22.66	23.53	23.73	23.47
		15#10	22.88	22.85	22.66	23.69	23.66	23.47
		25#0	22.64	22.91	22.67	23.45	23.72	23.48
	16QAM	1#0	22.86	22.88	22.75	23.67	23.69	23.56
		1#13	22.89	22.88	22.63	23.70	23.69	23.44
		1#24	22.72	22.91	22.75	23.53	23.72	23.56
		15#0	22.81	22.87	22.66	23.62	23.68	23.47
		15#10	22.70	22.96	22.65	23.51	23.77	23.46
		25#0	22.88	22.94	22.71	23.69	23.75	23.52
10	QPSK	1#0	22.69	22.96	22.65	23.50	23.77	23.46
		1#25	22.89	22.93	22.73	23.70	23.74	23.54
		1#49	22.85	22.86	22.68	23.66	23.67	23.49
		25#0	22.83	22.98	22.71	23.64	23.79	23.52
		25#25	22.63	22.92	22.67	23.44	23.73	23.48
		50#0	22.77	22.90	22.66	23.58	23.71	23.47
	16QAM	1#0	22.92	22.92	22.69	23.73	23.73	23.50
		1#25	22.95	22.87	22.66	23.76	23.68	23.47
		1#49	22.72	22.93	22.65	23.53	23.74	23.46
		25#0	22.82	22.95	22.70	23.63	23.76	23.51
		25#25	22.64	22.85	22.64	23.45	23.66	23.45
		50#0	22.84	22.88	22.74	23.65	23.69	23.55

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.77	22.87	22.74	23.58	23.68	23.55
		1#38	22.64	22.92	22.63	23.45	23.73	23.44
		1#74	22.74	22.96	22.65	23.55	23.77	23.46
		36#0	22.98	22.90	22.64	23.79	23.71	23.45
		36#39	22.97	22.90	22.64	23.78	23.71	23.45
		75#0	22.93	22.91	22.70	23.74	23.72	23.51
	16QAM	1#0	22.78	22.93	22.73	23.59	23.74	23.54
		1#38	22.86	22.87	22.73	23.67	23.68	23.54
		1#74	22.93	22.85	22.66	23.74	23.66	23.47
		36#0	22.95	22.93	22.70	23.76	23.74	23.51
		36#39	22.88	22.85	22.63	23.69	23.66	23.44
		75#0	22.74	22.87	22.74	23.55	23.68	23.55
20	QPSK	1#0	22.67	22.90	22.68	23.48	23.71	23.49
		1#50	22.82	22.95	22.68	23.63	23.76	23.49
		1#99	22.64	22.93	22.66	23.45	23.74	23.47
		50#0	22.63	22.89	22.69	23.44	23.70	23.50
		50#50	22.70	22.94	22.72	23.51	23.75	23.53
		100#0	22.65	22.97	22.62	23.46	23.78	23.43
	16QAM	1#0	22.80	22.88	22.69	23.61	23.69	23.50
		1#50	22.65	22.95	22.74	23.46	23.76	23.55
		1#99	22.71	22.89	22.73	23.52	23.70	23.54
		50#0	22.83	22.95	22.71	23.64	23.76	23.52
		50#50	22.75	22.92	22.71	23.56	23.73	23.52
		100#0	22.84	22.95	22.64	23.65	23.76	23.45

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP ≤ 33dBm

LTE Band 66

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.61	22.64	22.63	23.94	23.97	23.96
		1#13	22.84	22.78	22.82	24.17	24.11	24.15
		1#24	22.72	22.57	22.68	24.05	23.90	24.01
		15#0	22.79	22.54	22.77	24.12	23.87	24.10
		15#10	22.60	22.67	22.73	23.93	24.00	24.06
		25#0	22.80	22.57	22.67	24.13	23.90	24.00
	16QAM	1#0	22.64	22.62	22.65	23.97	23.95	23.98
		1#13	22.91	22.60	22.67	24.24	23.93	24.00
		1#24	22.89	22.68	22.74	24.22	24.01	24.07
		15#0	22.72	22.68	22.74	24.05	24.01	24.07
		15#10	22.86	22.76	22.78	24.19	24.09	24.11
		25#0	22.91	22.70	22.72	24.24	24.03	24.05
3	QPSK	1#0	22.67	22.64	22.73	24.00	23.97	24.06
		1#25	22.73	22.64	22.68	24.06	23.97	24.01
		1#49	22.62	22.58	22.65	23.95	23.91	23.98
		25#0	22.83	22.75	22.72	24.16	24.08	24.05
		25#25	22.71	22.73	22.77	24.04	24.06	24.10
		50#0	22.84	22.75	22.66	24.17	24.08	23.99
	16QAM	1#0	22.95	22.51	22.67	24.28	23.84	24.00
		1#25	22.90	22.65	22.83	24.23	23.98	24.16
		1#49	22.61	22.64	22.66	23.94	23.97	23.99
		25#0	22.80	22.66	22.76	24.13	23.99	24.09
		25#25	22.84	22.52	22.74	24.17	23.85	24.07
		50#0	22.84	22.63	22.63	24.17	23.96	23.96

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.75	22.80	22.73	24.08	24.13	24.06
		1#13	22.87	22.60	22.73	24.20	23.93	24.06
		1#24	22.69	22.54	22.69	24.02	23.87	24.02
		15#0	22.81	22.61	22.74	24.14	23.94	24.07
		15#10	22.60	22.71	22.81	23.93	24.04	24.14
		25#0	22.62	22.65	22.82	23.95	23.98	24.15
	16QAM	1#0	22.87	22.74	22.63	24.20	24.07	23.96
		1#13	22.83	22.79	22.64	24.16	24.12	23.97
		1#24	22.89	22.59	22.71	24.22	23.92	24.04
		15#0	22.60	22.70	22.73	23.93	24.03	24.06
		15#10	22.92	22.65	22.63	24.25	23.98	23.96
		25#0	22.94	22.73	22.63	24.27	24.06	23.96
10	QPSK	1#0	22.71	22.78	22.75	24.04	24.11	24.08
		1#25	22.90	22.69	22.72	24.23	24.02	24.05
		1#49	22.62	22.78	22.84	23.95	24.11	24.17
		25#0	22.87	22.70	22.75	24.20	24.03	24.08
		25#25	22.92	22.67	22.69	24.25	24.00	24.02
		50#0	22.66	22.63	22.78	23.99	23.96	24.11
	16QAM	1#0	22.74	22.64	22.73	24.07	23.97	24.06
		1#25	22.69	22.61	22.73	24.02	23.94	24.06
		1#49	22.57	22.78	22.72	23.90	24.11	24.05
		25#0	22.70	22.57	22.79	24.03	23.90	24.12
		25#25	22.84	22.52	22.78	24.17	23.85	24.11
		50#0	22.74	22.59	22.64	24.07	23.92	23.97

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.81	22.66	22.66	24.14	23.99	23.99
		1#38	22.58	22.81	22.72	23.91	24.14	24.05
		1#74	22.73	22.77	22.64	24.06	24.10	23.97
		36#0	22.88	22.76	22.77	24.21	24.09	24.10
		36#39	22.73	22.66	22.64	24.06	23.99	23.97
		75#0	22.76	22.51	22.74	24.09	23.84	24.07
	16QAM	1#0	22.77	22.75	22.64	24.10	24.08	23.97
		1#38	22.82	22.71	22.70	24.15	24.04	24.03
		1#74	22.56	22.64	22.62	23.89	23.97	23.95
		36#0	22.81	22.70	22.82	24.14	24.03	24.15
		36#39	22.89	22.57	22.80	24.22	23.90	24.13
		75#0	22.79	22.62	22.69	24.12	23.95	24.02
20	QPSK	1#0	22.87	22.57	22.63	24.20	23.90	23.96
		1#50	22.95	22.55	22.70	24.28	23.88	24.03
		1#99	22.80	22.66	22.79	24.13	23.99	24.12
		50#0	22.71	22.52	22.66	24.04	23.85	23.99
		50#50	22.96	22.58	22.83	24.29	23.91	24.16
		100#0	22.57	22.74	22.65	23.90	24.07	23.98
	16QAM	1#0	22.59	22.68	22.74	23.92	24.01	24.07
		1#50	22.56	22.77	22.64	23.89	24.10	23.97
		1#99	22.94	22.78	22.74	24.27	24.11	24.07
		50#0	22.61	22.76	22.73	23.94	24.09	24.06
		50#50	22.73	22.67	22.71	24.06	24.00	24.04
		100#0	22.74	22.73	22.69	24.07	24.06	24.02

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

Limit: EIRP ≤ 33dBm

LTE Band 71

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	21.35	21.59	21.09	13.20	13.44	12.94
		1#13	22.06	21.94	21.44	13.91	13.79	13.29
		1#24	21.84	21.31	21.13	13.69	13.16	12.98
		15#0	22.16	21.75	21.97	14.01	13.60	13.82
		15#10	21.82	21.17	21.04	13.67	13.02	12.89
		25#0	22.12	21.31	21.60	13.97	13.16	13.45
	16QAM	1#0	21.56	21.26	21.09	13.41	13.11	12.94
		1#13	22.10	21.92	21.22	13.95	13.77	13.07
		1#24	21.33	22.07	21.05	13.18	13.92	12.90
		15#0	21.84	21.57	21.15	13.69	13.42	13.00
		15#10	21.69	22.06	21.32	13.54	13.91	13.17
		25#0	21.28	21.49	21.81	13.13	13.34	13.66
10	QPSK	1#0	22.04	21.95	21.85	13.89	13.80	13.70
		1#25	21.91	21.32	21.07	13.76	13.17	12.92
		1#49	21.28	21.22	21.72	13.13	13.07	13.57
		25#0	21.56	21.51	21.63	13.41	13.36	13.48
		25#25	22.12	21.54	21.65	13.97	13.39	13.50
		50#0	21.98	21.27	21.03	13.83	13.12	12.88
	16QAM	1#0	21.49	21.28	21.18	13.34	13.13	13.03
		1#25	21.35	21.29	21.19	13.20	13.14	13.04
		1#49	21.87	22.04	21.15	13.72	13.89	13.00
		25#0	21.49	21.71	21.69	13.34	13.56	13.54
		25#25	21.52	21.39	21.51	13.37	13.24	13.36
		50#0	21.63	21.97	21.37	13.48	13.82	13.22

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	21.66	21.21	21.83	13.51	13.06	13.68
		1#38	22.23	21.64	21.64	14.08	13.49	13.49
		1#74	21.28	21.62	21.28	13.13	13.47	13.13
		36#0	22.22	22.04	21.52	14.07	13.89	13.37
		36#39	22.26	21.19	21.07	14.11	13.04	12.92
		75#0	22.05	21.72	21.18	13.90	13.57	13.03
	16QAM	1#0	21.73	21.11	21.10	13.58	12.96	12.95
		1#38	22.00	21.19	21.69	13.85	13.04	13.54
		1#74	21.40	21.54	21.41	13.25	13.39	13.26
		36#0	21.29	21.86	21.64	13.14	13.71	13.49
		36#39	21.40	21.41	21.54	13.25	13.26	13.39
		75#0	21.30	21.41	21.49	13.15	13.26	13.34
20	QPSK	1#0	21.92	21.66	21.05	13.77	13.51	12.90
		1#50	21.86	21.65	21.03	13.71	13.50	12.88
		1#99	22.03	21.40	21.03	13.88	13.25	12.88
		50#0	21.59	21.68	21.76	13.44	13.53	13.61
		50#50	21.96	21.12	21.78	13.81	12.97	13.63
		100#0	21.58	21.53	21.25	13.43	13.38	13.10
	16QAM	1#0	21.70	21.98	21.93	13.55	13.83	13.78
		1#50	21.99	21.32	21.69	13.84	13.17	13.54
		1#99	21.87	22.01	21.74	13.72	13.86	13.59
		50#0	21.52	22.07	21.59	13.37	13.92	13.44
		50#50	21.62	22.09	21.32	13.47	13.94	13.17
		100#0	22.14	21.91	21.28	13.99	13.76	13.13

ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)

Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

Limit: ERP≤44.77dBm

Peak-to-average ratio (PAR):**GPRS/EGPRS 850 Band**

Mode	Channel	PAR (dB)	Limit (dB)
GPRS	Low	2.98	≤ 13
	Middle	3.15	≤ 13
	High	2.87	≤ 13

Mode	Channel	PAR (dB)	Limit (dB)
EGPRS	Low	2.74	≤ 13
	Middle	2.86	≤ 13
	High	2.93	≤ 13

WCDMA Band V

Mode	Channel	PAR (dB)	Limit (dB)
WCDMA (Rel99)	Low	3.12	≤ 13
	Middle	3.33	≤ 13
	High	3.24	≤ 13
WCDMA (HSDPA)	Low	3.87	≤ 13
	Middle	3.75	≤ 13
	High	3.93	≤ 13
WCDMA (HSUPA)	Low	3.86	≤ 13
	Middle	3.95	≤ 13
	High	3.74	≤ 13
WCDMA (HSPA+)	Low	3.74	≤ 13
	Middle	3.85	≤ 13
	High	4.1	≤ 13

WCDMA Band IV

Mode	Channel	PAR (dB)	Limit (dB)
WCDMA (Rel99)	Low	3.48	≤ 13
	Middle	3.27	≤ 13
	High	3.52	≤ 13
WCDMA (HSDPA)	Low	4.11	≤ 13
	Middle	4.24	≤ 13
	High	4.15	≤ 13
WCDMA (HSUPA)	Low	4.27	≤ 13
	Middle	4.19	≤ 13
	High	4.26	≤ 13
WCDMA (HSPA+)	Low	4.05	≤ 13
	Middle	3.98	≤ 13
	High	4.12	≤ 13

PCS 1900

Mode	Channel	PAR (dB)	Limit (dB)
GPRS	Low	3.25	≤ 13
	Middle	3.09	≤ 13
	High	3.11	≤ 13

Mode	Channel	PAR (dB)	Limit (dB)
EGPRS	Low	2.84	≤ 13
	Middle	2.96	≤ 13
	High	2.84	≤ 13

WCDMA Band II

Mode	Channel	PAR (dB)	Limit (dB)
WCDMA (Rel99)	Low	3.48	≤ 13
	Middle	3.27	≤ 13
	High	3.28	≤ 13
WCDMA (HSDPA)	Low	2.95	≤ 13
	Middle	2.98	≤ 13
	High	3.01	≤ 13
WCDMA (HSUPA)	Low	2.58	≤ 13
	Middle	2.76	≤ 13
	High	2.88	≤ 13
WCDMA (HSPA+)	Low	3.84	≤ 13
	Middle	3.54	≤ 13
	High	3.76	≤ 13

LTE Band 2

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	20M	8.85	8.74	8.92	≤ 13
	100 RB		6.76	6.54	6.58	≤ 13
16-QAM	1 RB	20M	8.62	8.78	8.84	≤ 13
	100 RB		6.52	6.63	6.48	≤ 13

LTE Band 4

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	9.21	9.13	9.26	≤ 13
	100 RB		6.23	6.36	6.28	≤ 13
16-QAM	1 RB	20M	7.95	7.68	7.63	≤ 13
	100 RB		6.21	5.96	6.35	≤ 13

LTE Band 5

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	10M	6.79	6.28	6.98	≤ 13
	50 RB		5.76	5.4	6.19	≤ 13
16-QAM	1 RB	10M	6.06	5.87	5.64	≤ 13
	50 RB		6.58	6.41	6.32	≤ 13

LTE Band 7

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	8.52	8.45	8.34	≤ 13
	100 RB		6.35	6.24	6.19	≤ 13
16-QAM	1 RB	20M	8.53	8.63	8.48	≤ 13
	100 RB		7.14	7.25	7.19	≤ 13

LTE Band 12

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	10M	7.84	7.45	6.87	≤ 13
	50 RB		6.54	6.32	6.77	≤ 13
16-QAM	1 RB	10M	7.68	7.14	7.35	≤ 13
	50 RB		5.74	6.21	6.35	≤ 13

LTE Band 13

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	10M	/	4.42	/	≤ 13
	50 RB		/	5.58	/	≤ 13
16-QAM	1 RB	10M	/	5.72	/	≤ 13
	50 RB		/	6.58	/	≤ 13

LTE Band 14

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	10M	/	4.58	/	≤ 13
	50 RB		/	5.15	/	≤ 13
16-QAM	1 RB	10M	/	5.73	/	≤ 13
	50 RB		/	6.39	/	≤ 13

LTE Band 17

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	10M	5.41	5.28	5.68	≤ 13
	50 RB		5.12	5.58	5.34	≤ 13
16-QAM	1 RB	10M	5.37	5.23	5.97	≤ 13
	50 RB		6.14	6.29	5.78	≤ 13

LTE Band 25

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	7.58	7.85	7.25	≤ 13
	100 RB		7.15	6.84	6.43	≤ 13
16-QAM	1 RB	20M	7.75	7.96	8.21	≤ 13
	100 RB		7.34	7.45	7.38	≤ 13

LTE Band 26

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	15M	6.74	7.11	7.05	≤ 13
	75 RB		6.32	6.58	6.75	≤ 13
16-QAM	1 RB	15M	7.19	6.96	7.24	≤ 13
	75 RB		6.54	6.42	6.66	≤ 13

LTE Band 66

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	7.24	7.13	6.84	≤ 13
	100 RB		6.59	6.84	6.25	≤ 13
16-QAM	1 RB	20M	7.53	7.63	7.79	≤ 13
	100 RB		6.87	7.25	7.13	≤ 13

LTE Band 71

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	6.75	6.56	6.64	≤ 13
	100 RB		6.42	6.3	6.14	≤ 13
16-QAM	1 RB	20M	6.23	6.14	5.85	≤ 13
	100 RB		5.74	6.24	6.15	≤ 13

LTE Band 38

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	8.69	8.42	8.28	≤ 13
	100 RB		7.84	7.56	7.29	≤ 13
16-QAM	1 RB	20M	8.35	8.42	8.19	≤ 13
	100 RB		6.96	7.05	6.68	≤ 13

LTE Band 41

Test Modulation		Test Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit(dB)
QPSK	1 RB	20M	7.52	7.69	7.25	≤ 13
	100 RB		6.85	6.98	6.54	≤ 13
16-QAM	1 RB	20M	6.56	6.87	7.12	≤ 13
	100 RB		6.36	6.74	6.51	≤ 13

OCCUPIED BANDWIDTH*EUT operation mode: Transmitting***GPRS 850 Band**

Mode	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Emission Bandwidth (kHz)
GPRS (GMSK)	824.2	243.51	323.4
	836.6	243.51	321.4
	848.8	243.51	319.4
EGPRS (8PSK)	824.2	239.52	311.4
	836.6	239.52	309.4
	848.8	241.52	311.4

WCDMA Band V

Mode	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA (Rel 99)	826.4	4.15	4.73
	836.6	4.15	4.73
	846.6	4.13	4.73
WCDMA (HSDPA)	826.4	4.15	4.73
	836.6	4.15	4.73
	846.6	4.15	4.73
WCDMA (HSUPA)	826.4	4.15	4.73
	836.6	4.15	4.73
	846.6	4.15	4.73
WCDMA (HSPA+)	826.4	4.15	4.73
	836.6	4.15	4.73
	846.6	4.13	4.73

PCS 1900

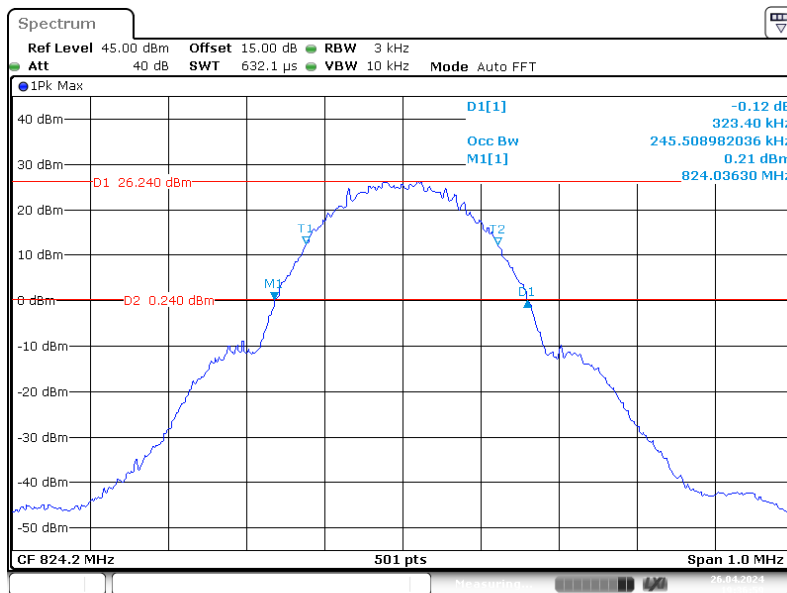
Mode	Frequency (MHz)	26 dB Emission Bandwidth (kHz)	99% Occupied Bandwidth (kHz)
GPRS (GMSK)	1850.2	245.51	323.4
	1880	245.51	321.4
	1909.8	245.51	321.4
EGPRS (8PSK)	1850.2	239.52	311.4
	1880	237.52	309.4
	1909.8	237.52	309.4

WCDMA Band II

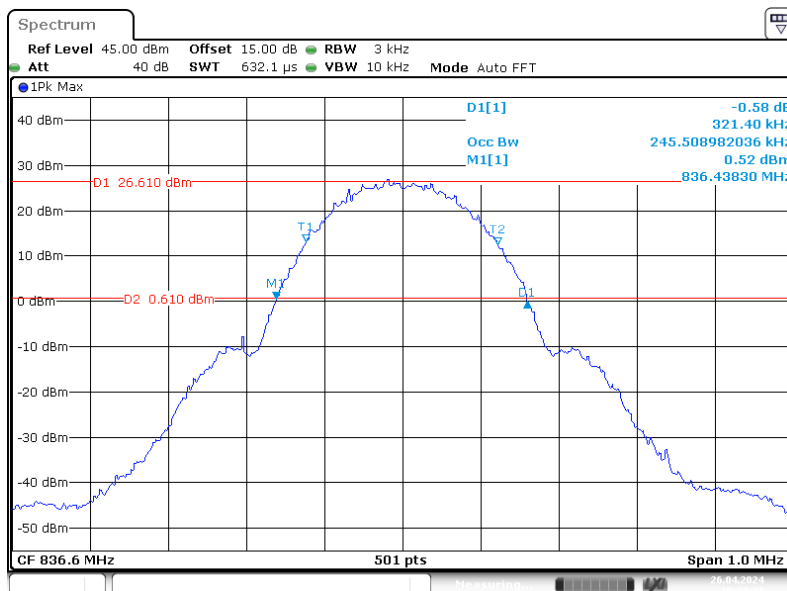
Mode	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA (Rel 99)	1852.4	4.17	4.73
	1880	4.17	4.73
	1907.6	4.15	4.73
WCDMA (HSDPA)	1852.4	4.17	4.73
	1880	4.17	4.73
	1907.6	4.15	4.73
WCDMA (HSUPA)	1852.4	4.17	4.73
	1880	4.17	4.73
	1907.6	4.15	4.73
WCDMA (HSPA+)	1852.4	4.17	4.73
	1880	4.17	4.73
	1907.6	4.15	4.73

WCDMA Band IV

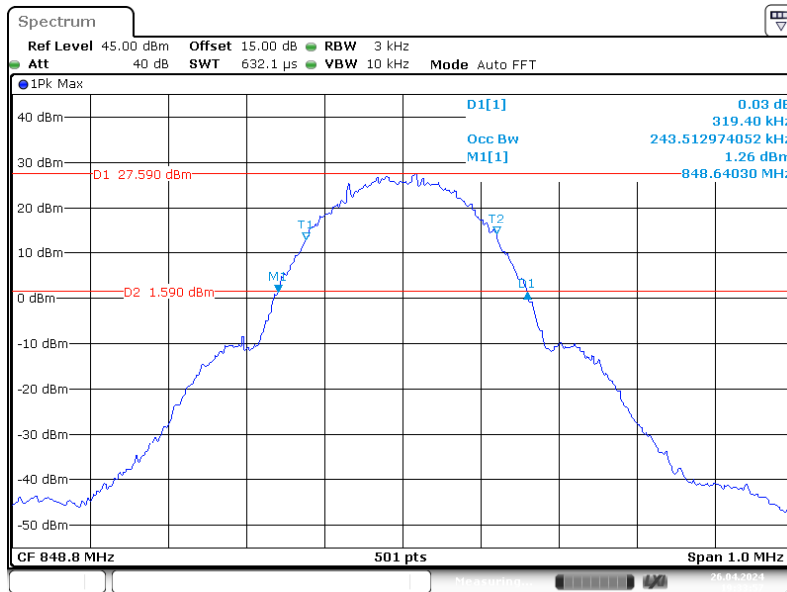
Mode	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA (Rel 99)	1712.4	4.18	4.72
	1732.6	4.18	4.78
	1752.6	4.17	4.72
WCDMA (HSDPA)	1712.4	4.15	4.72
	1732.6	4.18	4.78
	1752.6	4.17	4.72
WCDMA (HSUPA)	1712.4	4.17	4.72
	1732.6	4.18	4.73
	1752.6	4.17	4.72
WCDMA (HSPA+)	1712.4	4.17	4.73
	1732.6	4.18	4.75
	1752.6	4.17	4.72

GPRS 850 Band**99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Low channel**

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 26 APR 2024 19:37:00

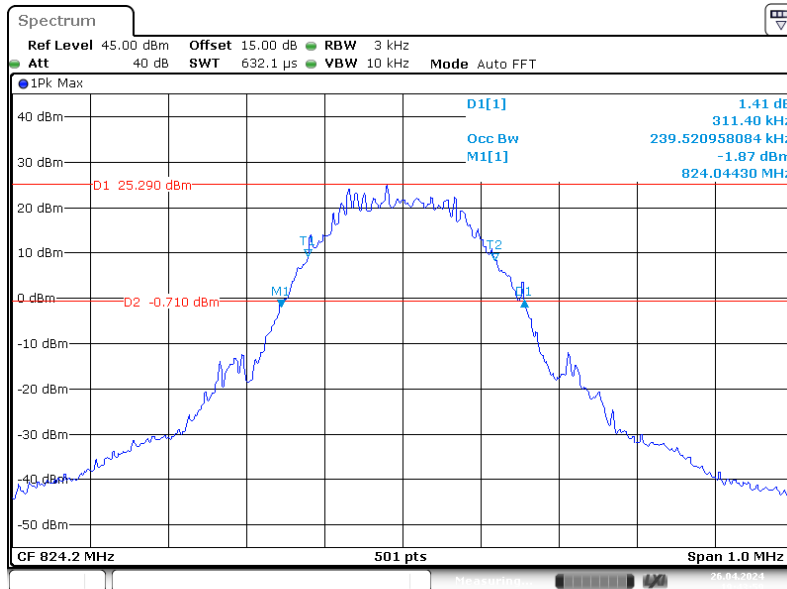
99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Middle channel

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 26 APR 2024 19:24:22

99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) High channel

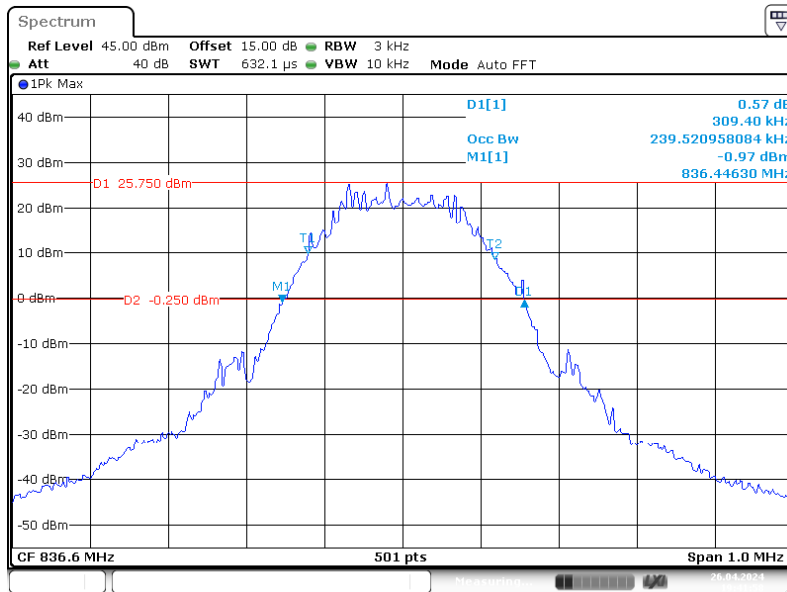
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 26.APR.2024 19:33:57

99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Low channel

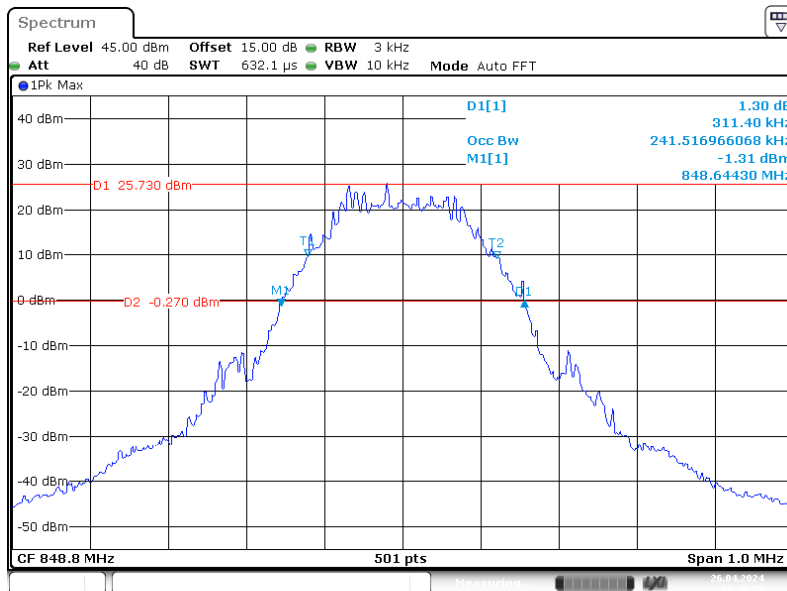
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 26.APR.2024 19:44:00

99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Middle channel

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 26.APR.2024 19:41:58

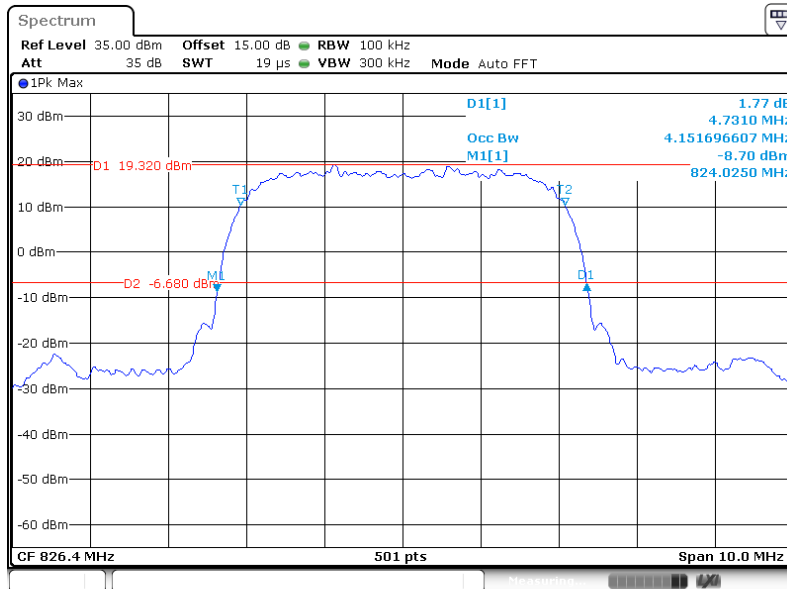
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ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 26.APR.2024 19:46:07

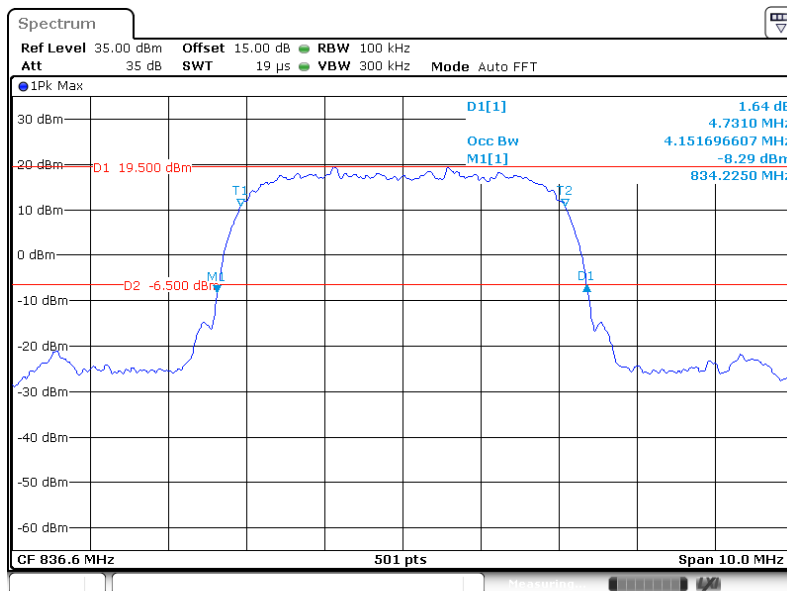
WCDMA Band V

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Low channel

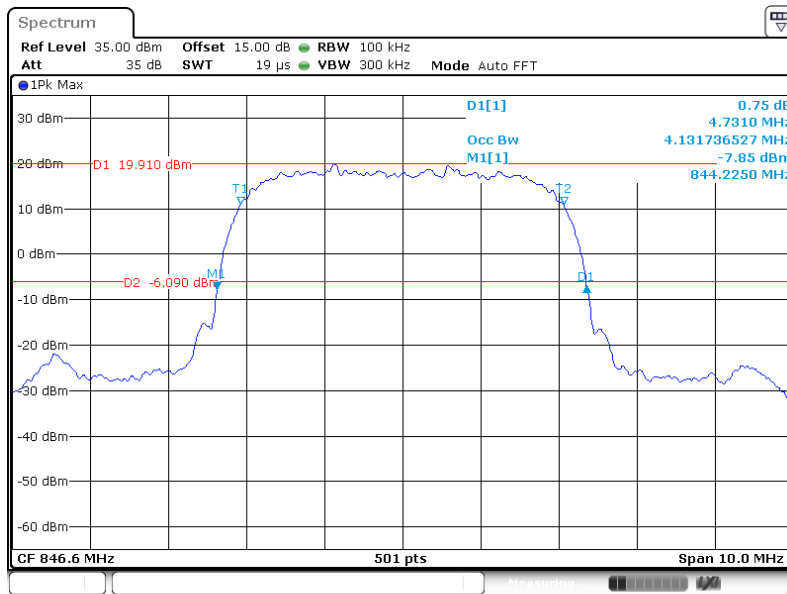


ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 6 MAY. 2024 13:29:14

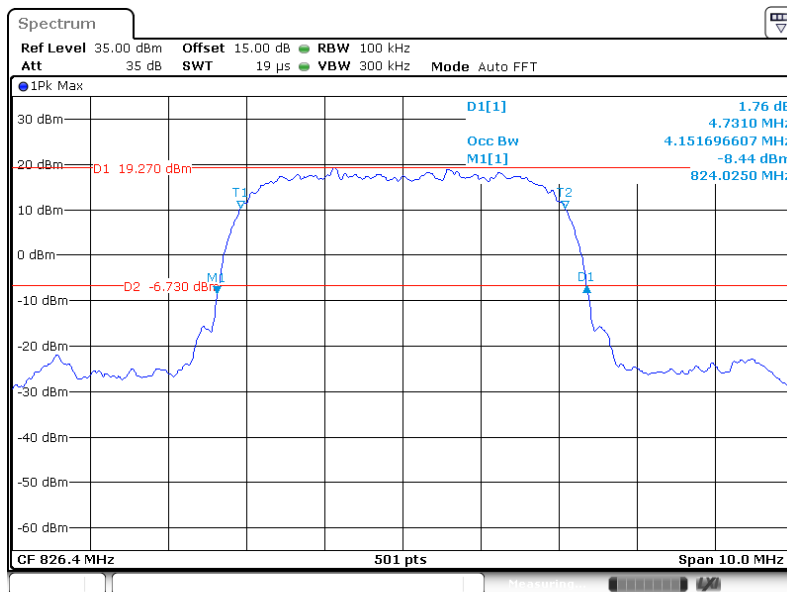
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Middle channel



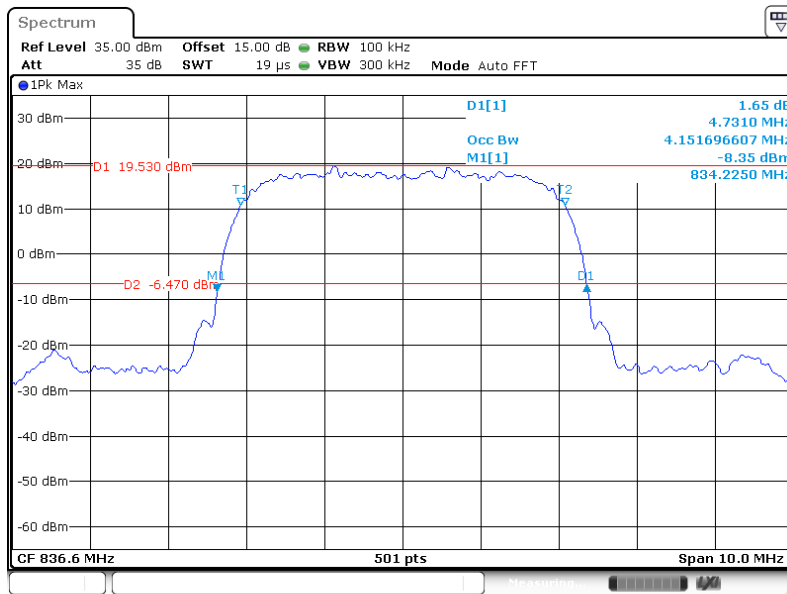
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Date: 6 MAY. 2024 13:37:49

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) High channel

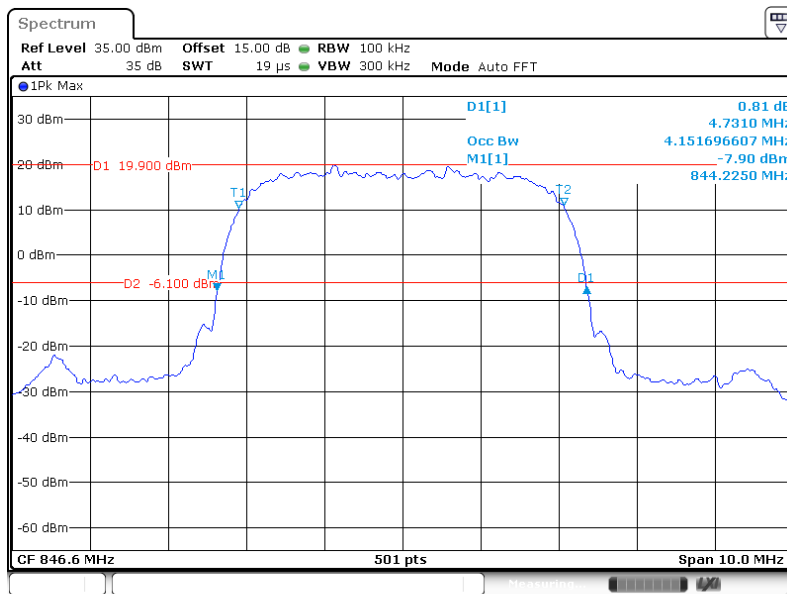
ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 6 MAY. 2024 13:52:23

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel

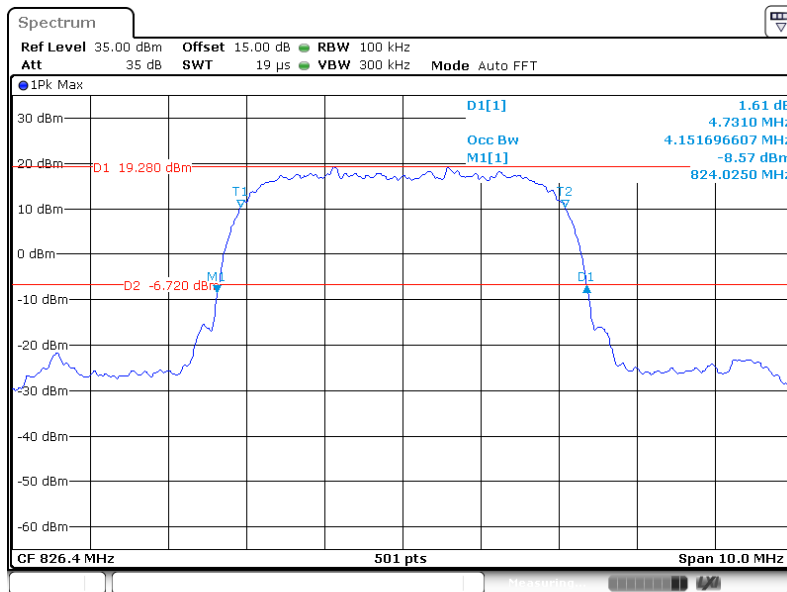
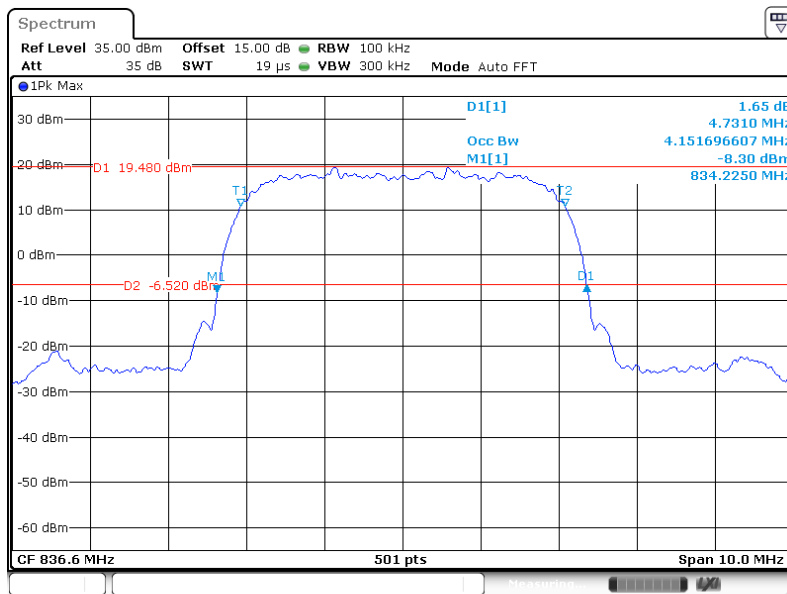
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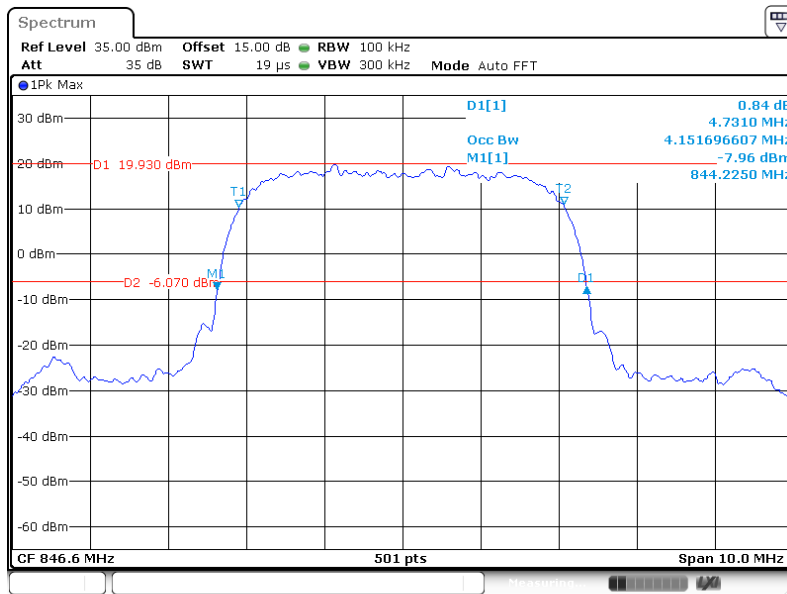
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Middle channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
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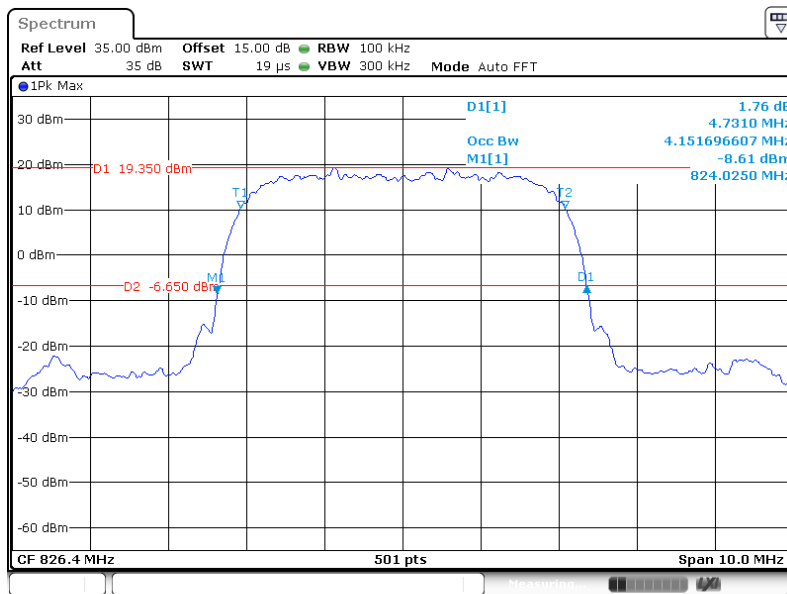
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:44:25

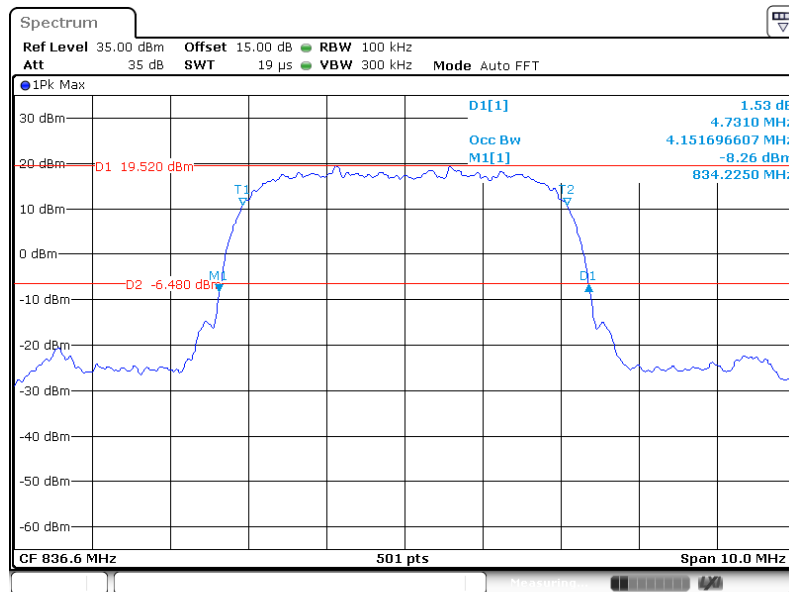
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) High channel

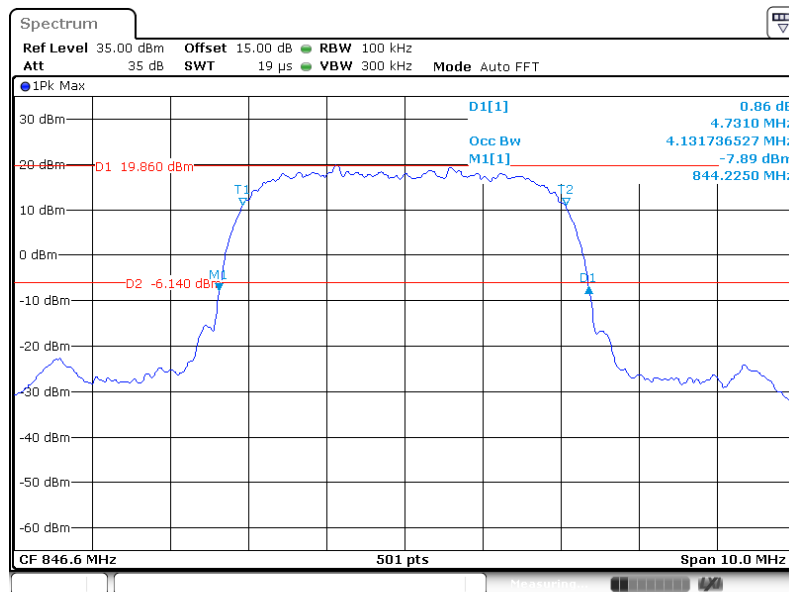
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:54:56

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Low channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:27:21

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Middle channel

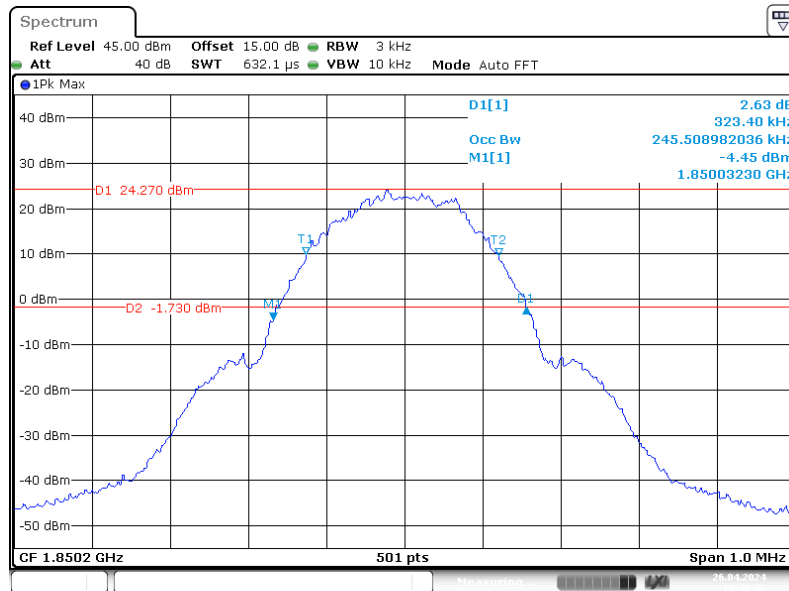
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:36:22

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:46:42

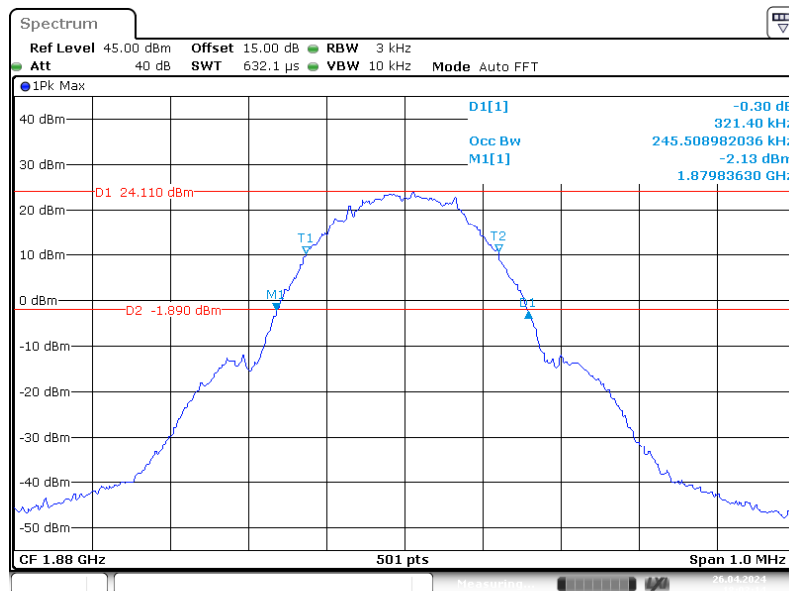
PCS 1900 Band

99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Low channel

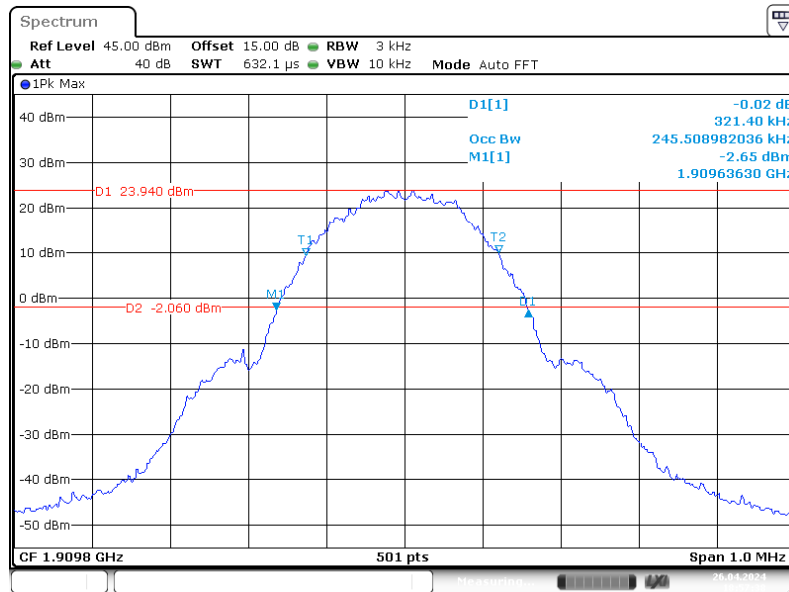


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 26.APR.2024 18:48:47

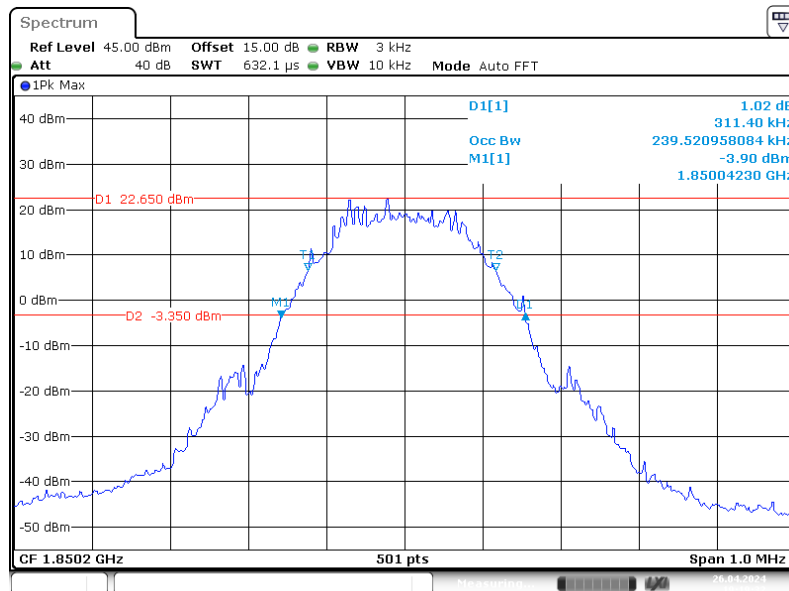
99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Middle channel



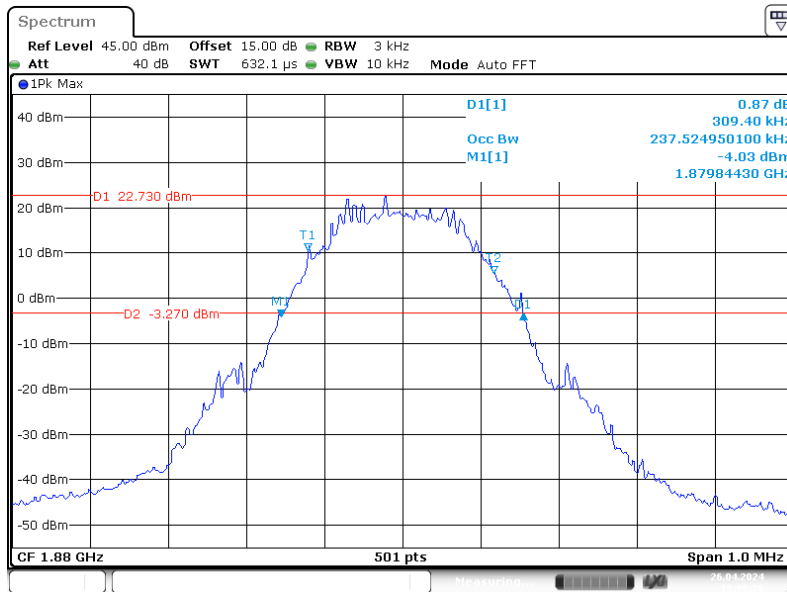
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 26.APR.2024 18:03:14

99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) High channel

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 26 APR. 2024 18:57:38

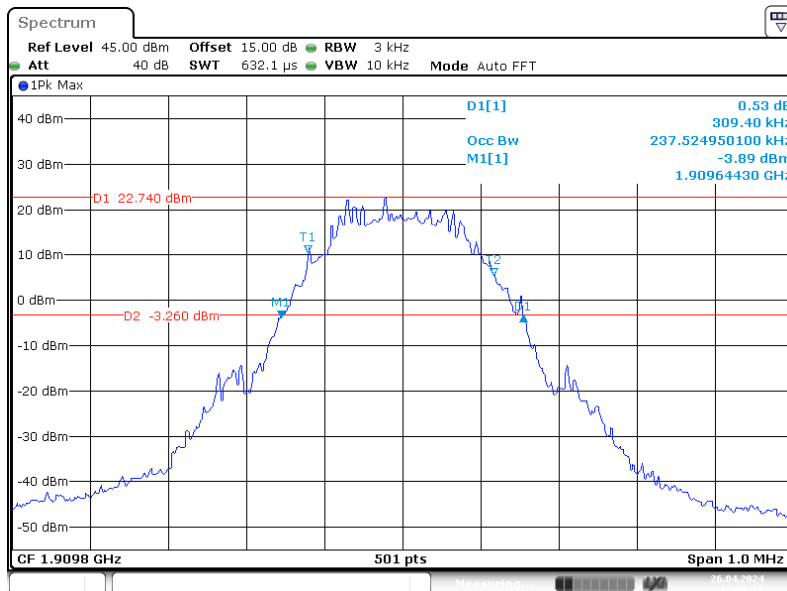
99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Low channel

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 26 APR. 2024 19:19:33

99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Middle channel

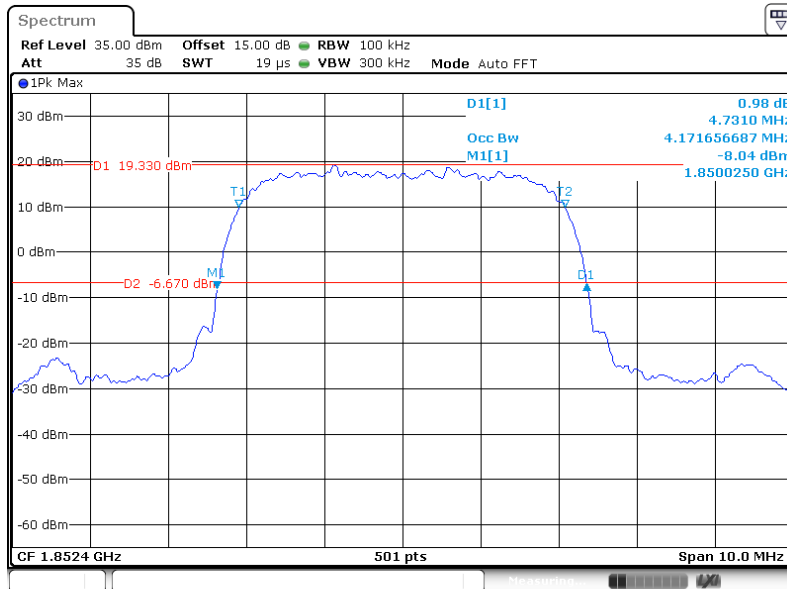
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 26.APR.2024 19:09:26

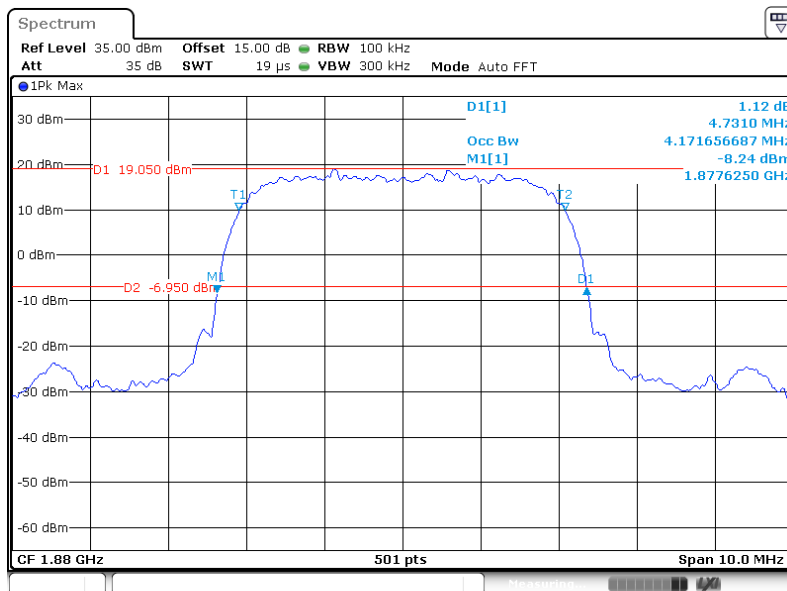
99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu

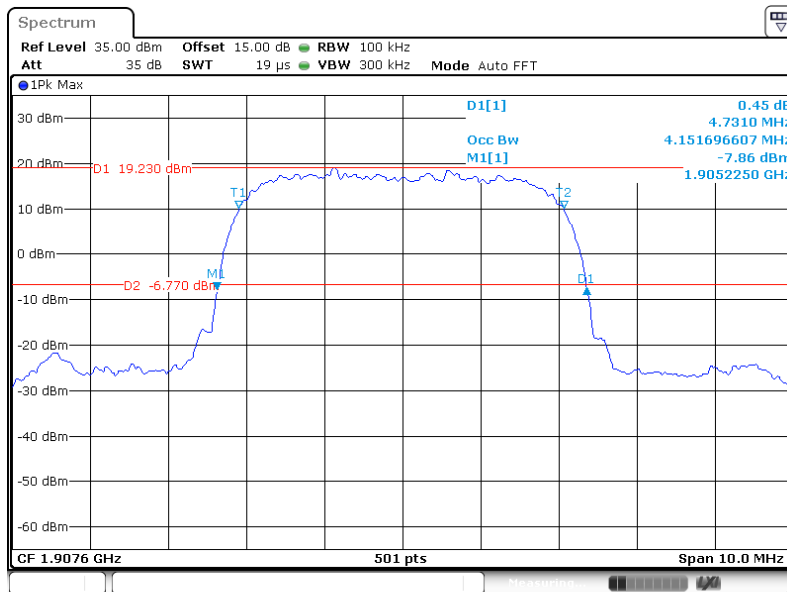
Date: 26.APR.2024 19:06:28

WCDMA Band II**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Low channel**

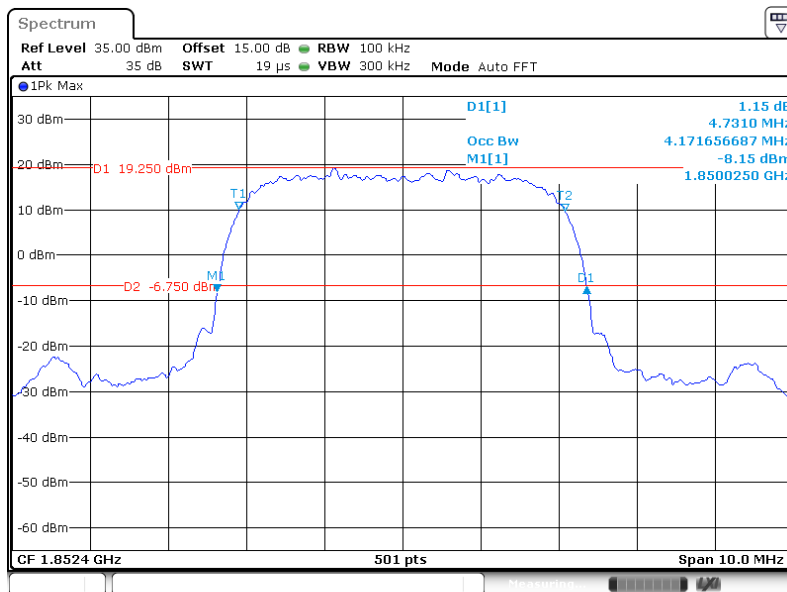
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:04:53

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Middle channel

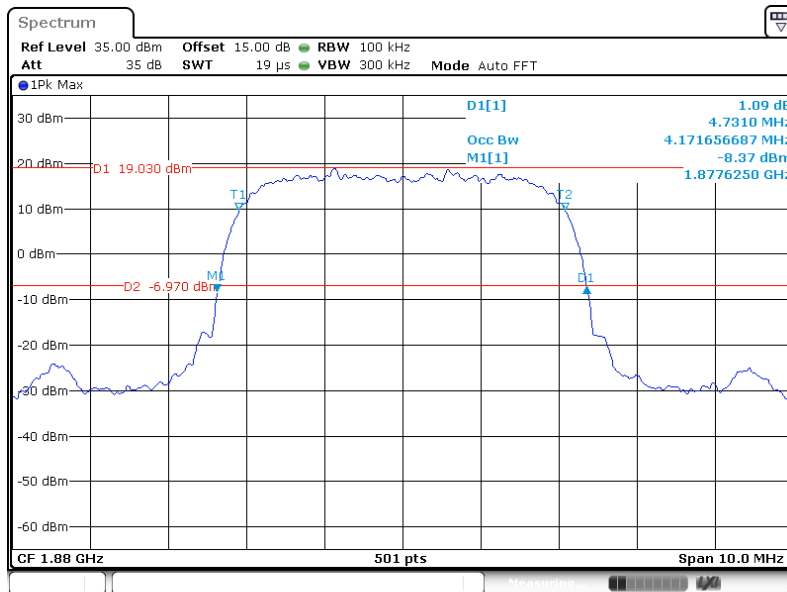
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:13:40

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) High channel

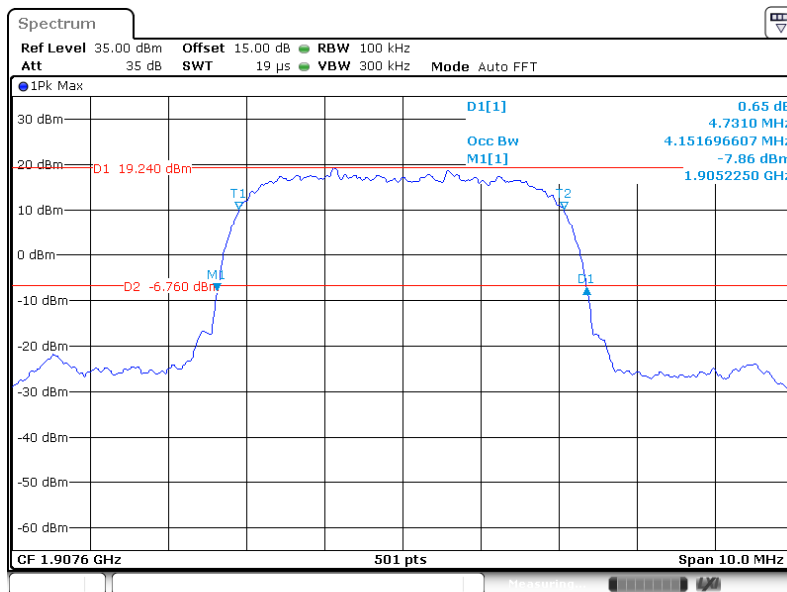
ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 6 MAY. 2024 14:21:38

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel

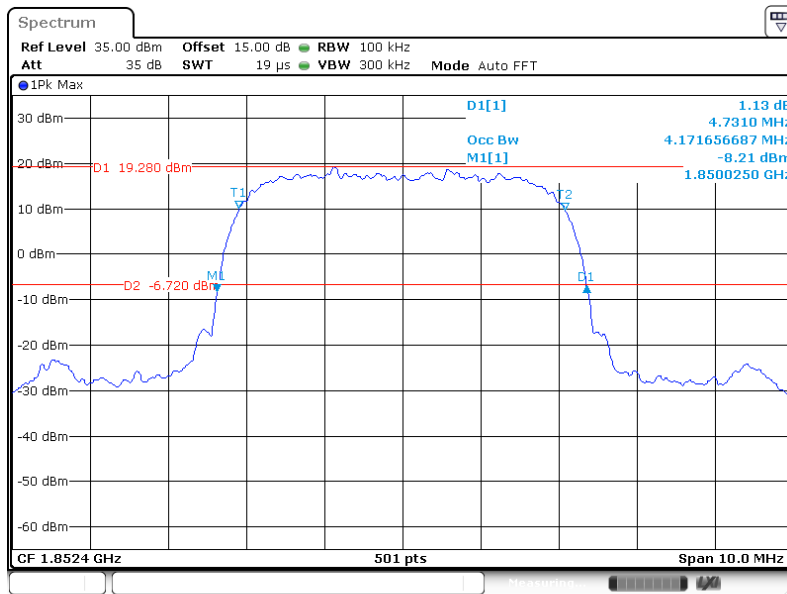
ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 6 MAY. 2024 11:57:33

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Middle channel

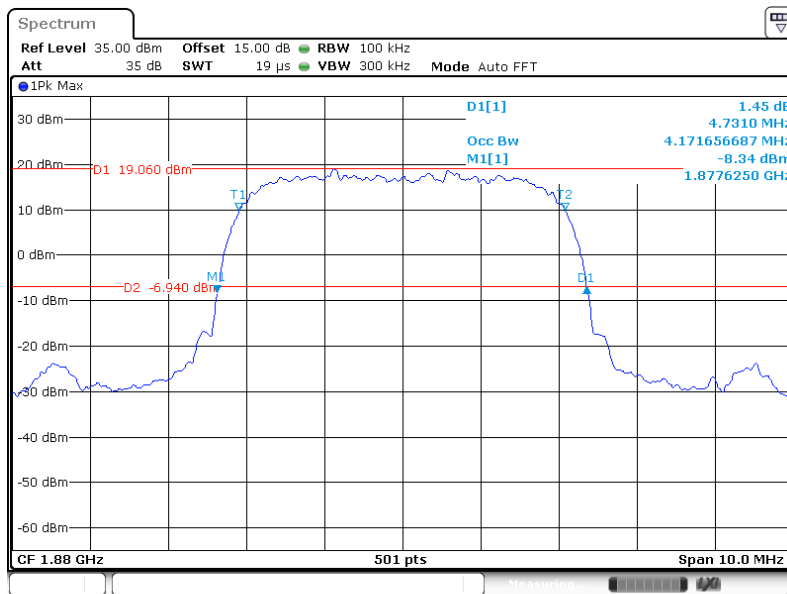
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:15:07

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) High channel

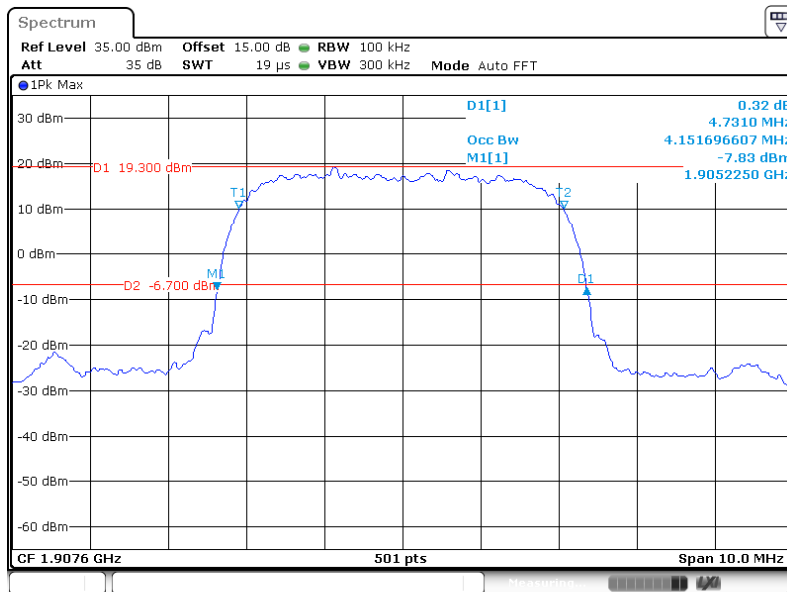
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 13:20:01

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel

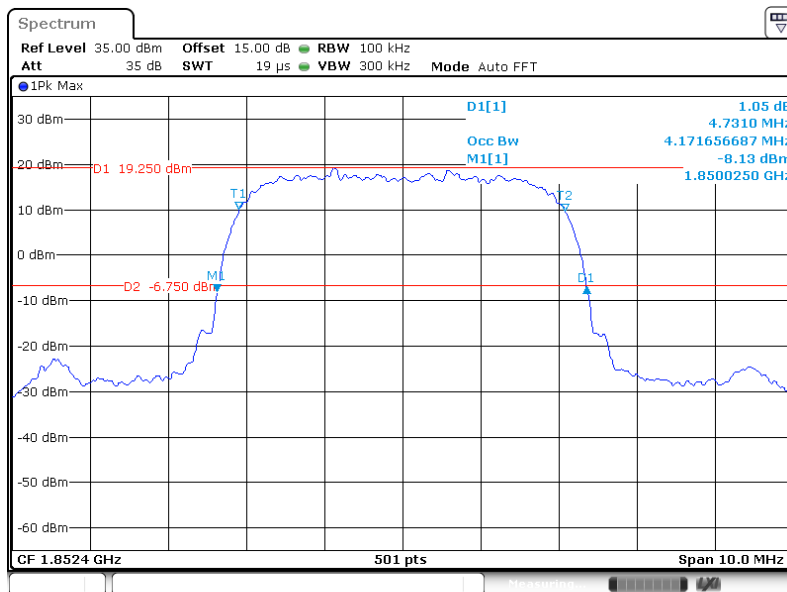
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:06:28

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel

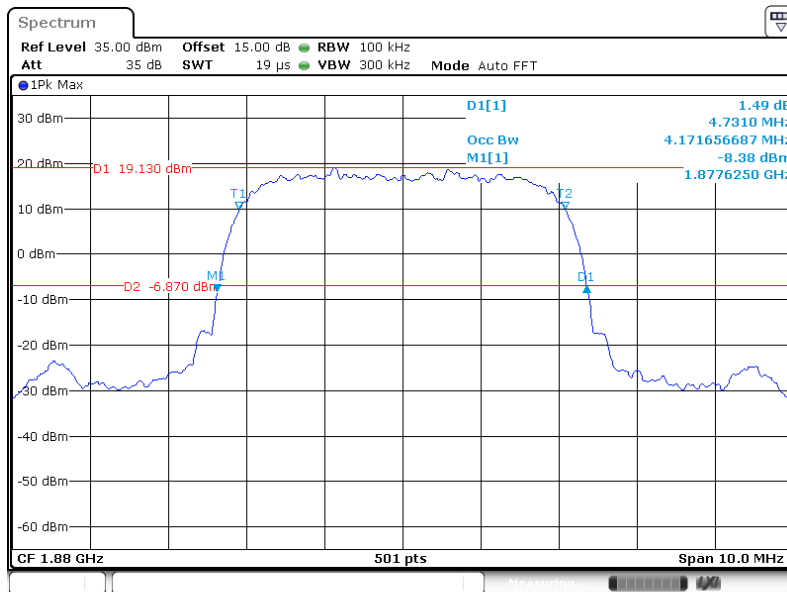
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:16:21

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:23:21

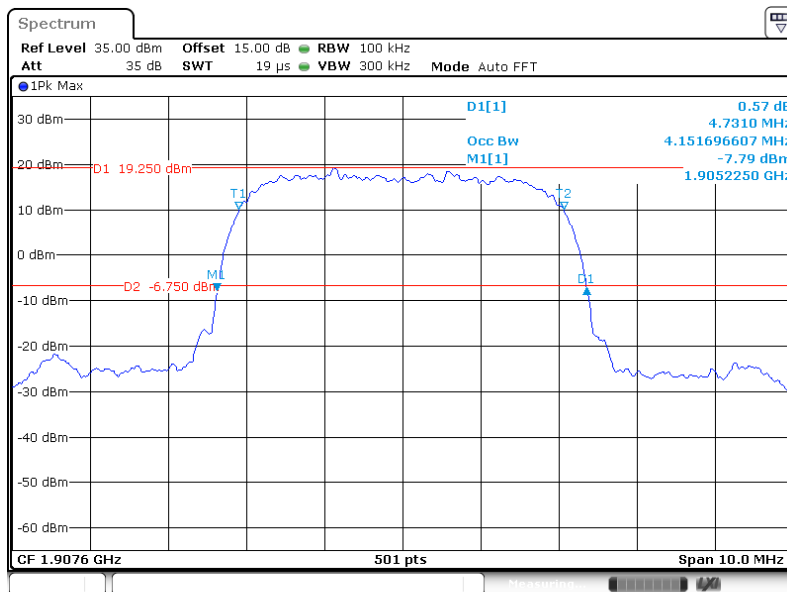
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Low channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 14:02:48

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Middle channel

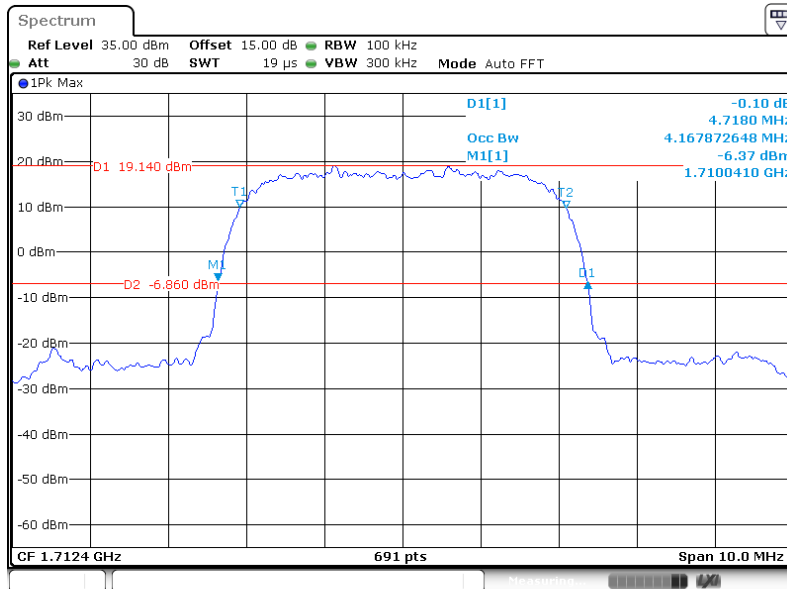
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 14:11:21

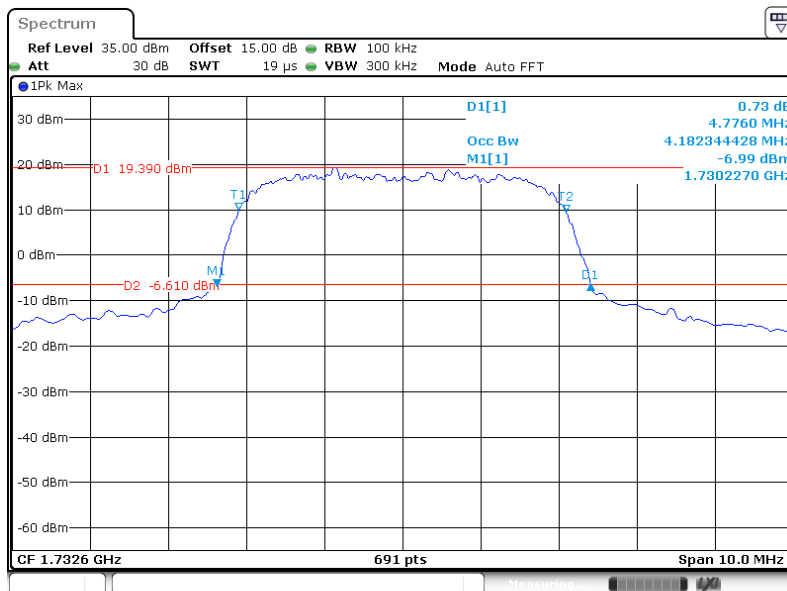
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu

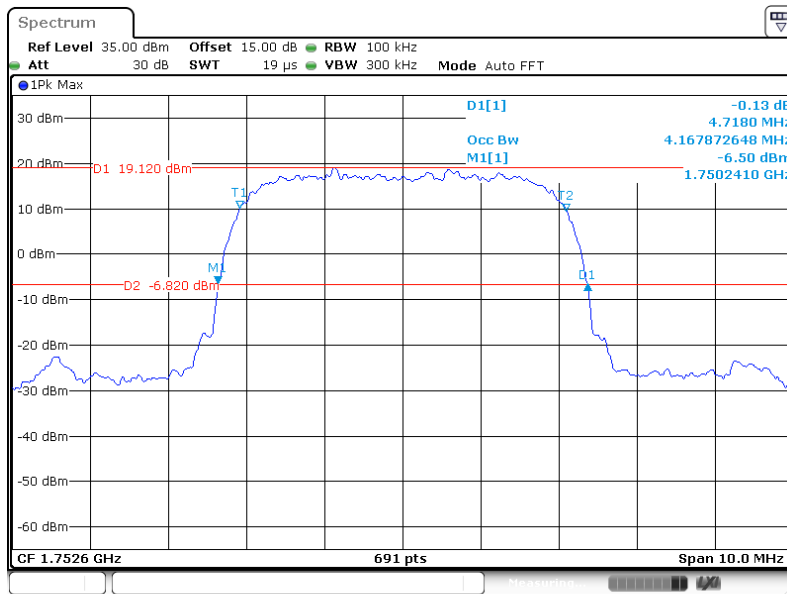
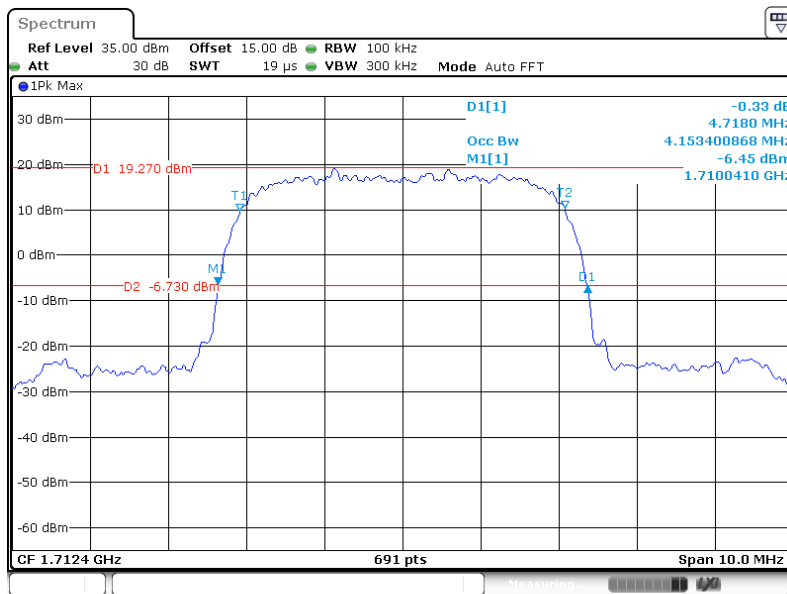
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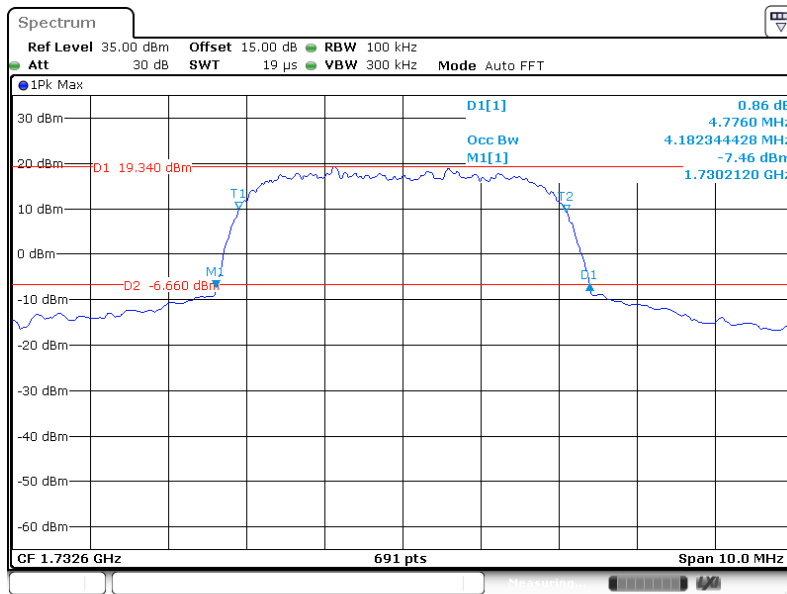
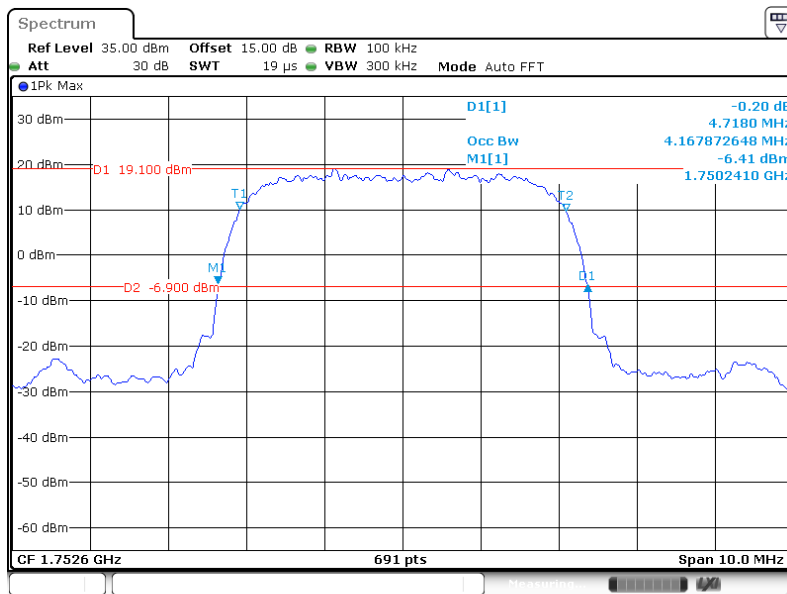
WCDMA Band IV**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Low channel**

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 16 MAY 2024 11:21:33

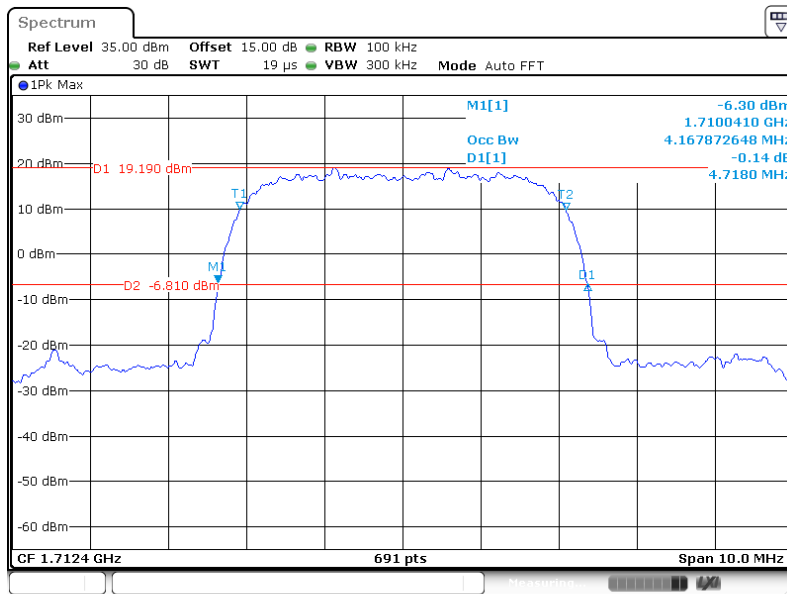
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) Middle channel

ProjectNo.: RKSA240327005 Tester: Bard Liu
Date: 16 MAY 2024 10:59:33

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (RMC) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel**

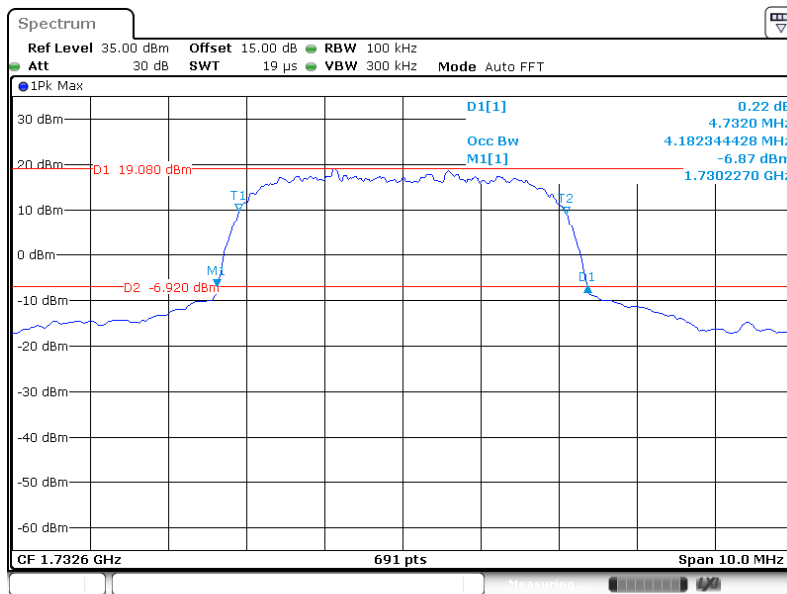
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) High channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel

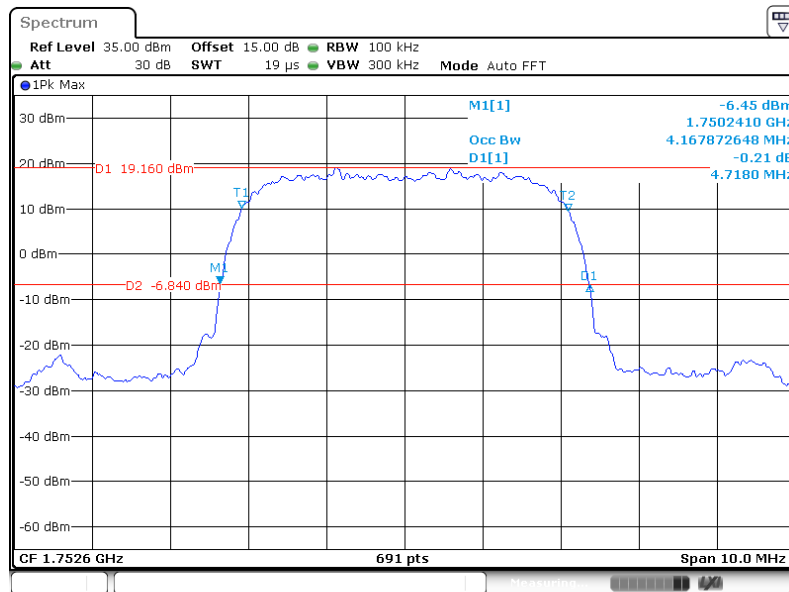
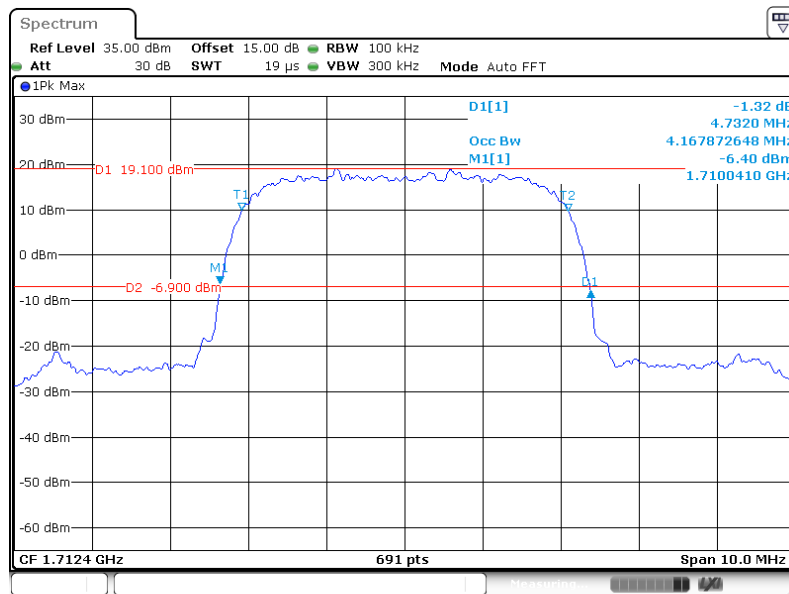


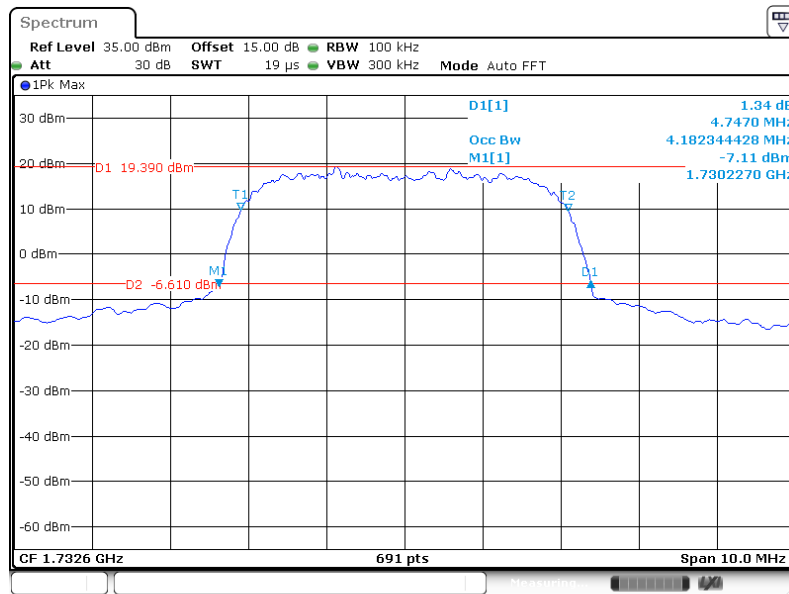
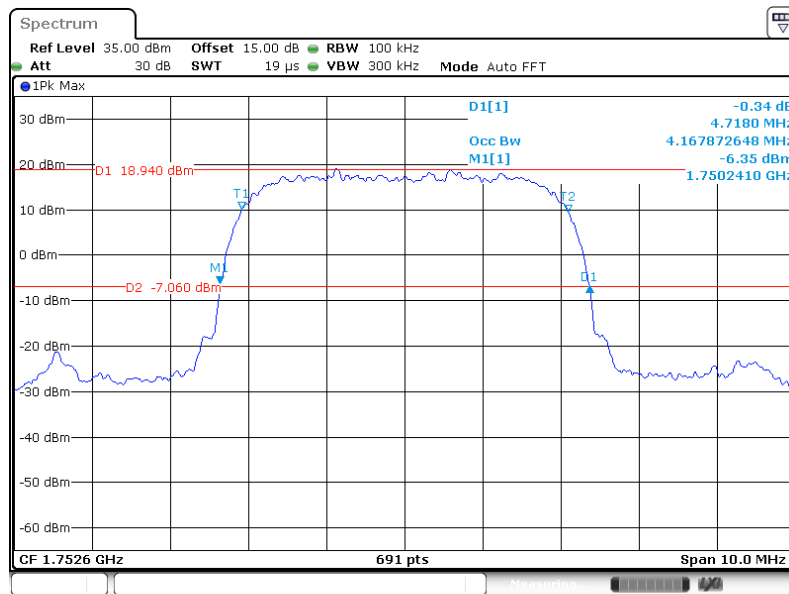
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:22:40

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:00:47

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Low channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) High channel**

LTE Band 2:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.084	1.268
1.4MHz_Low_QPSK_6@0	1.081	1.274
1.4MHz_Middle_16QAM_6@0	1.075	1.271
1.4MHz_Middle_QPSK_6@0	1.081	1.268
1.4MHz_High_16QAM_6@0	1.084	1.229
1.4MHz_High_QPSK_6@0	1.089	1.291
3MHz_Low_16QAM_15@0	2.682	2.874
3MHz_Low_QPSK_15@0	2.676	2.874
3MHz_Middle_16QAM_15@0	2.682	2.892
3MHz_Middle_QPSK_15@0	2.670	2.862
3MHz_High_16QAM_15@0	2.670	2.868
3MHz_High_QPSK_15@0	2.676	2.856
5MHz_Low_16QAM_25@0	4.460	4.960
5MHz_Low_QPSK_25@0	4.470	5.000
5MHz_Middle_16QAM_25@0	4.480	4.930
5MHz_Middle_QPSK_25@0	4.490	5.190
5MHz_High_16QAM_25@0	4.480	4.980
5MHz_High_QPSK_25@0	4.470	5.000
10MHz_Low_16QAM_50@0	8.960	9.880
10MHz_Low_QPSK_50@0	8.960	9.720
10MHz_Middle_16QAM_50@0	8.940	9.880
10MHz_Middle_QPSK_50@0	8.940	9.660
10MHz_High_16QAM_50@0	8.940	9.720
10MHz_High_QPSK_50@0	8.940	9.820
15MHz_Low_16QAM_75@0	13.440	14.490
15MHz_Low_QPSK_75@0	13.440	14.790
15MHz_Middle_16QAM_75@0	13.440	15.030
15MHz_Middle_QPSK_75@0	13.410	14.790
15MHz_High_16QAM_75@0	13.440	14.370
15MHz_High_QPSK_75@0	13.410	14.820
20MHz_Low_16QAM_100@0	17.880	19.520
20MHz_Low_QPSK_100@0	17.880	19.200
20MHz_Middle_16QAM_100@0	17.840	19.200
20MHz_Middle_QPSK_100@0	17.880	19.280
20MHz_High_16QAM_100@0	17.840	19.280
20MHz_High_QPSK_100@0	17.840	19.080

LTE Band 4:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.081	1.274
1.4MHz_Low_QPSK_6@0	1.086	1.252
1.4MHz_Middle_16QAM_6@0	1.081	1.252
1.4MHz_Middle_QPSK_6@0	1.075	1.246
1.4MHz_High_16QAM_6@0	1.086	1.285
1.4MHz_High_QPSK_6@0	1.075	1.243
3MHz_Low_16QAM_15@0	2.682	2.880
3MHz_Low_QPSK_15@0	2.682	2.844
3MHz_Middle_16QAM_15@0	2.676	2.856
3MHz_Middle_QPSK_15@0	2.670	2.856
3MHz_High_16QAM_15@0	2.676	2.862
3MHz_High_QPSK_15@0	2.676	2.910
5MHz_Low_16QAM_25@0	4.480	5.120
5MHz_Low_QPSK_25@0	4.470	5.100
5MHz_Middle_16QAM_25@0	4.480	5.100
5MHz_Middle_QPSK_25@0	4.470	5.000
5MHz_High_16QAM_25@0	4.480	4.930
5MHz_High_QPSK_25@0	4.480	5.000
10MHz_Low_16QAM_50@0	8.940	9.860
10MHz_Low_QPSK_50@0	8.960	9.880
10MHz_Middle_16QAM_50@0	8.980	9.820
10MHz_Middle_QPSK_50@0	8.940	9.860
10MHz_High_16QAM_50@0	8.940	9.940
10MHz_High_QPSK_50@0	8.940	9.720
15MHz_Low_16QAM_75@0	13.410	14.730
15MHz_Low_QPSK_75@0	13.440	14.610
15MHz_Middle_16QAM_75@0	13.440	14.400
15MHz_Middle_QPSK_75@0	13.440	14.700
15MHz_High_16QAM_75@0	13.440	14.910
15MHz_High_QPSK_75@0	13.440	14.550
20MHz_Low_16QAM_100@0	17.880	19.160
20MHz_Low_QPSK_100@0	17.880	18.920
20MHz_Middle_16QAM_100@0	17.880	19.080
20MHz_Middle_QPSK_100@0	17.880	19.160
20MHz_High_16QAM_100@0	17.840	19.240
20MHz_High_QPSK_100@0	17.880	19.280

LTE Band 5:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.081	1.260
1.4MHz_Low_QPSK_6@0	1.086	1.266
1.4MHz_Middle_16QAM_6@0	1.084	1.266
1.4MHz_Middle_QPSK_6@0	1.075	1.257
1.4MHz_High_16QAM_6@0	1.089	1.282
1.4MHz_High_QPSK_6@0	1.075	1.243
3MHz_Low_16QAM_15@0	2.676	2.862
3MHz_Low_QPSK_15@0	2.682	2.868
3MHz_Middle_16QAM_15@0	2.676	2.862
3MHz_Middle_QPSK_15@0	2.676	2.874
3MHz_High_16QAM_15@0	2.670	2.886
3MHz_High_QPSK_15@0	2.676	2.868
5MHz_Low_16QAM_25@0	4.480	4.980
5MHz_Low_QPSK_25@0	4.470	4.960
5MHz_Middle_16QAM_25@0	4.480	4.980
5MHz_Middle_QPSK_25@0	4.480	5.240
5MHz_High_16QAM_25@0	4.470	4.920
5MHz_High_QPSK_25@0	4.470	4.890
10MHz_Low_16QAM_50@0	8.960	9.800
10MHz_Low_QPSK_50@0	8.960	9.800
10MHz_Middle_16QAM_50@0	8.940	9.860
10MHz_Middle_QPSK_50@0	8.940	9.820
10MHz_High_16QAM_50@0	8.940	9.800
10MHz_High_QPSK_50@0	8.940	9.840

LTE Band 7:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.470	4.970
5MHz_Low_QPSK_25@0	4.470	4.980
5MHz_Middle_16QAM_25@0	4.470	5.000
5MHz_Middle_QPSK_25@0	4.480	5.160
5MHz_High_16QAM_25@0	4.470	5.000
5MHz_High_QPSK_25@0	4.490	4.930
10MHz_Low_16QAM_50@0	8.980	9.760
10MHz_Low_QPSK_50@0	8.960	9.780
10MHz_Middle_16QAM_50@0	8.940	9.840
10MHz_Middle_QPSK_50@0	8.940	9.700
10MHz_High_16QAM_50@0	8.920	9.700
10MHz_High_QPSK_50@0	8.960	9.820
15MHz_Low_16QAM_75@0	13.440	14.790
15MHz_Low_QPSK_75@0	13.440	14.850
15MHz_Middle_16QAM_75@0	13.440	14.640
15MHz_Middle_QPSK_75@0	13.440	14.970
15MHz_High_16QAM_75@0	13.440	14.790
15MHz_High_QPSK_75@0	13.440	14.610
20MHz_Low_16QAM_100@0	17.840	19.200
20MHz_Low_QPSK_100@0	17.880	19.440
20MHz_Middle_16QAM_100@0	17.840	19.440
20MHz_Middle_QPSK_100@0	17.920	19.080
20MHz_High_16QAM_100@0	17.880	19.120
20MHz_High_QPSK_100@0	17.880	19.040

LTE Band 12:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.084	1.263
1.4MHz_Low_QPSK_6@0	1.081	1.246
1.4MHz_Middle_16QAM_6@0	1.086	1.291
1.4MHz_Middle_QPSK_6@0	1.075	1.246
1.4MHz_High_16QAM_6@0	1.081	1.277
1.4MHz_High_QPSK_6@0	1.081	1.277
3MHz_Low_16QAM_15@0	2.676	2.880
3MHz_Low_QPSK_15@0	2.682	2.892
3MHz_Middle_16QAM_15@0	2.682	2.874
3MHz_Middle_QPSK_15@0	2.676	2.880
3MHz_High_16QAM_15@0	2.676	2.862
3MHz_High_QPSK_15@0	2.670	2.850
5MHz_Low_16QAM_25@0	4.480	5.000
5MHz_Low_QPSK_25@0	4.470	4.970
5MHz_Middle_16QAM_25@0	4.480	5.240
5MHz_Middle_QPSK_25@0	4.490	5.000
5MHz_High_16QAM_25@0	4.470	4.940
5MHz_High_QPSK_25@0	4.460	4.990
10MHz_Low_16QAM_50@0	8.960	9.800
10MHz_Low_QPSK_50@0	8.920	9.820
10MHz_Middle_16QAM_50@0	8.940	9.760
10MHz_Middle_QPSK_50@0	8.940	9.740
10MHz_High_16QAM_50@0	8.960	9.700
10MHz_High_QPSK_50@0	8.960	9.900

LTE Band 13:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.470	5.110
5MHz_Low_QPSK_25@0	4.470	5.000
5MHz_Middle_16QAM_25@0	4.470	4.910
5MHz_Middle_QPSK_25@0	4.470	4.990
5MHz_High_16QAM_25@0	4.480	5.090
5MHz_High_QPSK_25@0	4.480	5.070
10MHz_Low_16QAM_50@0	/	/
10MHz_Low_QPSK_50@0	/	/
10MHz_Middle_16QAM_50@0	8.960	9.860
10MHz_Middle_QPSK_50@0	8.940	9.920
10MHz_High_16QAM_50@0	/	/
10MHz_High_QPSK_50@0	/	/

LTE Band 14:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.480	5.300
5MHz_Low_QPSK_25@0	4.470	4.990
5MHz_Middle_16QAM_25@0	4.470	4.920
5MHz_Middle_QPSK_25@0	4.470	4.960
5MHz_High_16QAM_25@0	4.490	5.180
5MHz_High_QPSK_25@0	4.490	4.950
10MHz_Low_16QAM_50@0	8.940	9.720
10MHz_Low_QPSK_50@0	8.920	9.740
10MHz_Middle_16QAM_50@0	8.960	9.580
10MHz_Middle_QPSK_50@0	8.940	9.840
10MHz_High_16QAM_50@0	8.940	9.840
10MHz_High_QPSK_50@0	8.940	9.820

LTE Band 17:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.480	4.940
5MHz_Low_QPSK_25@0	4.480	5.090
5MHz_Middle_16QAM_25@0	4.480	5.090
5MHz_Middle_QPSK_25@0	4.470	4.960
5MHz_High_16QAM_25@0	4.490	5.090
5MHz_High_QPSK_25@0	4.470	4.960
10MHz_Low_16QAM_50@0	9.000	9.760
10MHz_Low_QPSK_50@0	8.960	9.880
10MHz_Middle_16QAM_50@0	8.980	9.760
10MHz_Middle_QPSK_50@0	8.940	9.840
10MHz_High_16QAM_50@0	8.960	9.860
10MHz_High_QPSK_50@0	8.940	9.840

LTE Band 66:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
1.4 MHz	QPSK	1.10	1.32	1.11	1.30	1.11	1.32
	16QAM	1.10	1.31	1.10	1.30	1.11	1.32
3 MHz	QPSK	2.68	2.90	2.68	2.88	2.68	2.89
	16QAM	2.68	2.89	2.68	2.89	2.68	2.89
5 MHz	QPSK	4.50	5.22	4.55	5.24	4.54	5.19
	16QAM	4.54	5.26	4.52	5.19	4.55	5.22
10 MHz	QPSK	8.97	9.94	8.97	9.90	9.01	10.03
	16QAM	8.97	9.97	8.97	9.94	9.01	10.00
15 MHz	QPSK	13.51	15.29	13.61	15.38	13.61	15.43
	16QAM	13.56	15.14	13.56	15.24	13.61	15.38
20 MHz	QPSK	18.01	20.06	17.95	19.74	17.95	19.68
	16QAM	17.95	19.81	18.01	19.81	18.01	19.62

LTE Band 71:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
5 MHz	QPSK	4.52	5.20	4.55	4.22	4.52	5.19
	16QAM	4.55	5.26	4.54	5.27	4.54	5.24
10 MHz	QPSK	8.97	9.93	9.01	10.06	8.94	9.84
	16QAM	8.97	9.93	8.97	9.87	8.94	9.81
15 MHz	QPSK	13.51	15.19	13.70	15.53	13.46	15.05
	16QAM	13.51	15.00	13.61	15.29	13.51	15.05
20 MHz	QPSK	17.95	19.74	18.08	19.81	17.88	19.62
	16QAM	17.95	19.62	18.08	19.94	17.95	19.68

LTE Band 25:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.084	1.274
1.4MHz_Low_QPSK_6@0	1.078	1.268
1.4MHz_Middle_16QAM_6@0	1.075	1.277
1.4MHz_Middle_QPSK_6@0	1.081	1.277
1.4MHz_High_16QAM_6@0	1.078	1.232
1.4MHz_High_QPSK_6@0	1.084	1.280
3MHz_Low_16QAM_15@0	2.670	2.856
3MHz_Low_QPSK_15@0	2.682	2.856
3MHz_Middle_16QAM_15@0	2.682	2.850
3MHz_Middle_QPSK_15@0	2.676	2.886
3MHz_High_16QAM_15@0	2.676	2.844
3MHz_High_QPSK_15@0	2.676	2.856
5MHz_Low_16QAM_25@0	4.470	4.940
5MHz_Low_QPSK_25@0	4.470	4.980
5MHz_Middle_16QAM_25@0	4.480	4.950
5MHz_Middle_QPSK_25@0	4.480	5.070
5MHz_High_16QAM_25@0	4.490	5.060
5MHz_High_QPSK_25@0	4.470	4.960
10MHz_Low_16QAM_50@0	8.960	9.760
10MHz_Low_QPSK_50@0	8.960	9.940
10MHz_Middle_16QAM_50@0	8.940	9.780
10MHz_Middle_QPSK_50@0	8.940	9.980
10MHz_High_16QAM_50@0	8.980	9.960
10MHz_High_QPSK_50@0	8.960	9.840
15MHz_Low_16QAM_75@0	13.410	14.730
15MHz_Low_QPSK_75@0	13.440	15.000
15MHz_Middle_16QAM_75@0	13.440	15.000
15MHz_Middle_QPSK_75@0	13.410	14.640
15MHz_High_16QAM_75@0	13.440	14.610
15MHz_High_QPSK_75@0	13.440	14.670
20MHz_Low_16QAM_100@0	17.920	19.280
20MHz_Low_QPSK_100@0	17.840	19.160
20MHz_Middle_16QAM_100@0	17.840	19.120
20MHz_Middle_QPSK_100@0	17.880	19.120
20MHz_High_16QAM_100@0	17.840	19.240
20MHz_High_QPSK_100@0	17.880	19.440

LTE Band 26:

Mode	99% OBW (MHz)	26dB EBW (MHz)
1.4MHz_Low_16QAM_6@0	1.072	1.268
1.4MHz_Low_QPSK_6@0	1.084	1.271
1.4MHz_Middle_16QAM_6@0	1.084	1.266
1.4MHz_Middle_QPSK_6@0	1.072	1.238
1.4MHz_High_16QAM_6@0	1.081	1.280
1.4MHz_High_QPSK_6@0	1.075	1.246
3MHz_Low_16QAM_15@0	2.670	2.856
3MHz_Low_QPSK_15@0	2.670	2.862
3MHz_Middle_16QAM_15@0	2.676	2.886
3MHz_Middle_QPSK_15@0	2.676	2.868
3MHz_High_16QAM_15@0	2.676	2.880
3MHz_High_QPSK_15@0	2.670	2.862
5MHz_Low_16QAM_25@0	4.470	4.820
5MHz_Low_QPSK_25@0	4.480	4.830
5MHz_Middle_16QAM_25@0	4.460	4.850
5MHz_Middle_QPSK_25@0	4.450	4.830
5MHz_High_16QAM_25@0	4.470	4.830
5MHz_High_QPSK_25@0	4.470	4.840
10MHz_Low_16QAM_50@0	8.920	9.560
10MHz_Low_QPSK_50@0	8.960	9.620
10MHz_Middle_16QAM_50@0	8.940	9.560
10MHz_Middle_QPSK_50@0	8.980	9.560
10MHz_High_16QAM_50@0	8.960	9.560
10MHz_High_QPSK_50@0	8.940	9.580
1.4MHz_Low_16QAM_6@0	1.081	1.263
1.4MHz_Low_QPSK_6@0	1.086	1.271
1.4MHz_Middle_16QAM_6@0	1.078	1.271
1.4MHz_Middle_QPSK_6@0	1.072	1.240
1.4MHz_High_16QAM_6@0	1.084	1.268
1.4MHz_High_QPSK_6@0	1.078	1.243
3MHz_Low_16QAM_15@0	2.682	2.856
3MHz_Low_QPSK_15@0	2.682	2.874
3MHz_Middle_16QAM_15@0	2.682	2.874
3MHz_Middle_QPSK_15@0	2.664	2.868
3MHz_High_16QAM_15@0	2.676	2.880
3MHz_High_QPSK_15@0	2.664	2.832

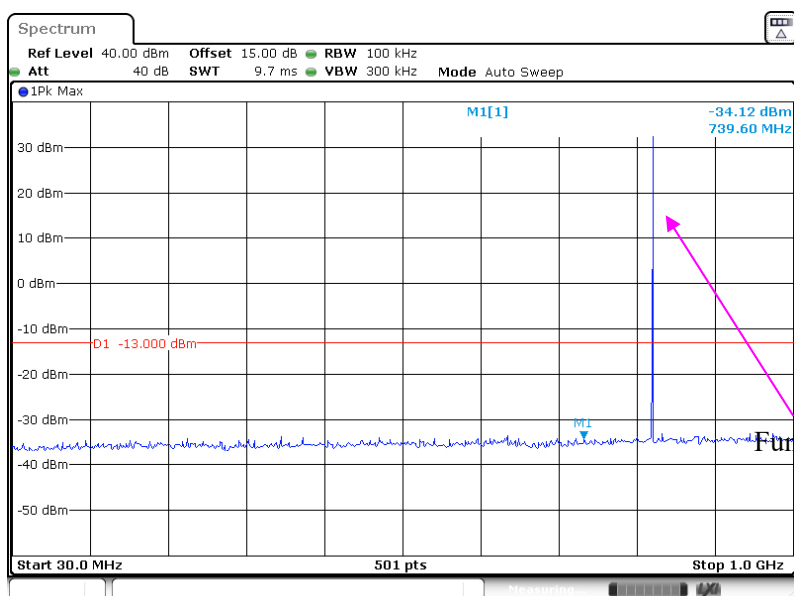
Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.450	4.810
5MHz_Low_QPSK_25@0	4.460	4.770
5MHz_Middle_16QAM_25@0	4.460	4.820
5MHz_Middle_QPSK_25@0	4.470	4.820
5MHz_High_16QAM_25@0	4.460	4.790
5MHz_High_QPSK_25@0	4.470	4.810
10MHz_Low_16QAM_50@0	8.960	9.520
10MHz_Low_QPSK_50@0	8.940	9.600
10MHz_Middle_16QAM_50@0	8.980	9.580
10MHz_Middle_QPSK_50@0	8.940	9.580
10MHz_High_16QAM_50@0	8.920	9.420
10MHz_High_QPSK_50@0	8.940	9.600
15MHz_Low_16QAM_75@0	13.410	14.220
15MHz_Low_QPSK_75@0	13.380	14.550
15MHz_Middle_16QAM_75@0	13.410	14.370
15MHz_Middle_QPSK_75@0	13.470	14.370
15MHz_High_16QAM_75@0	13.410	14.400
15MHz_High_QPSK_75@0	13.410	14.340

LTE Band 38:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.450	4.830
5MHz_Low_QPSK_25@0	4.470	4.750
5MHz_Middle_16QAM_25@0	4.460	4.740
5MHz_Middle_QPSK_25@0	4.460	4.740
5MHz_High_16QAM_25@0	4.460	4.840
5MHz_High_QPSK_25@0	4.470	4.870
10MHz_Low_16QAM_50@0	8.940	9.540
10MHz_Low_QPSK_50@0	8.920	9.560
10MHz_Middle_16QAM_50@0	8.940	9.580
10MHz_Middle_QPSK_50@0	8.940	9.500
10MHz_High_16QAM_50@0	8.940	9.440
10MHz_High_QPSK_50@0	8.940	9.520
15MHz_Low_16QAM_75@0	13.440	14.280
15MHz_Low_QPSK_75@0	13.440	14.370
15MHz_Middle_16QAM_75@0	13.440	14.220
15MHz_Middle_QPSK_75@0	13.440	14.610
15MHz_High_16QAM_75@0	13.440	14.400
15MHz_High_QPSK_75@0	13.440	14.430
20MHz_Low_16QAM_100@0	17.920	19.000
20MHz_Low_QPSK_100@0	17.840	18.960
20MHz_Middle_16QAM_100@0	17.840	18.920
20MHz_Middle_QPSK_100@0	17.840	18.840
20MHz_High_16QAM_100@0	17.920	18.720
20MHz_High_QPSK_100@0	17.840	18.840

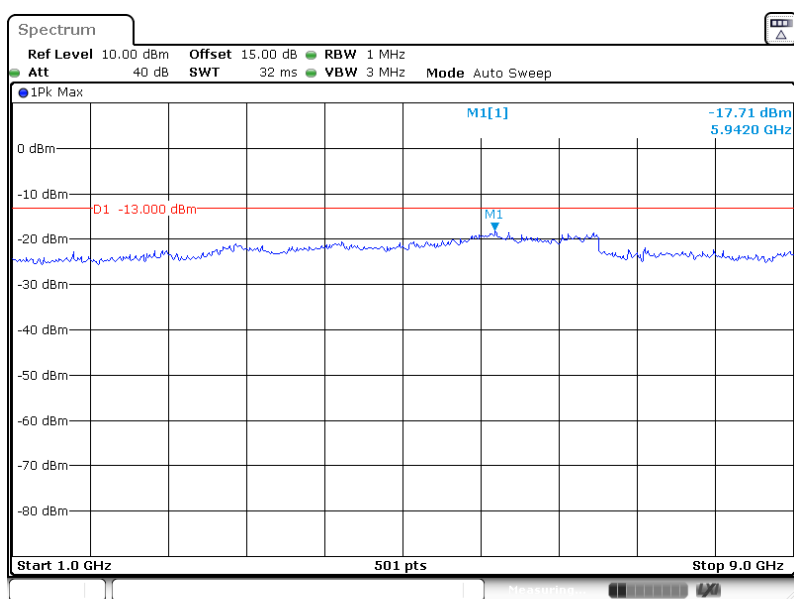
LTE Band 41:

Mode	99% OBW (MHz)	26dB EBW (MHz)
5MHz_Low_16QAM_25@0	4.460	4.770
5MHz_Low_QPSK_25@0	4.470	4.760
5MHz_Middle_16QAM_25@0	4.450	4.880
5MHz_Middle_QPSK_25@0	4.460	4.810
5MHz_High_16QAM_25@0	4.450	4.770
5MHz_High_QPSK_25@0	4.470	4.840
10MHz_Low_16QAM_50@0	8.960	9.540
10MHz_Low_QPSK_50@0	8.960	9.740
10MHz_Middle_16QAM_50@0	8.940	9.680
10MHz_Middle_QPSK_50@0	8.920	9.360
10MHz_High_16QAM_50@0	8.940	9.520
10MHz_High_QPSK_50@0	8.940	9.560
15MHz_Low_16QAM_75@0	13.440	14.340
15MHz_Low_QPSK_75@0	13.410	14.250
15MHz_Middle_16QAM_75@0	13.410	14.280
15MHz_Middle_QPSK_75@0	13.470	14.250
15MHz_High_16QAM_75@0	13.410	14.100
15MHz_High_QPSK_75@0	13.440	14.280
20MHz_Low_16QAM_100@0	17.840	18.920
20MHz_Low_QPSK_100@0	17.840	18.840
20MHz_Middle_16QAM_100@0	17.880	18.840
20MHz_Middle_QPSK_100@0	17.880	18.760
20MHz_High_16QAM_100@0	17.880	18.720
20MHz_High_QPSK_100@0	17.880	18.880

SPURIOUS EMISSIONS AT ANTENNA TERMINALS*EUT operation mode: Transmitting**Test Result: Compliance***GPRS 850 Band:****30 MHz – 1GHz (GPRS Mode), Low channel**

ProjectNo.:RKSA240327005 Tester:Bard Liu

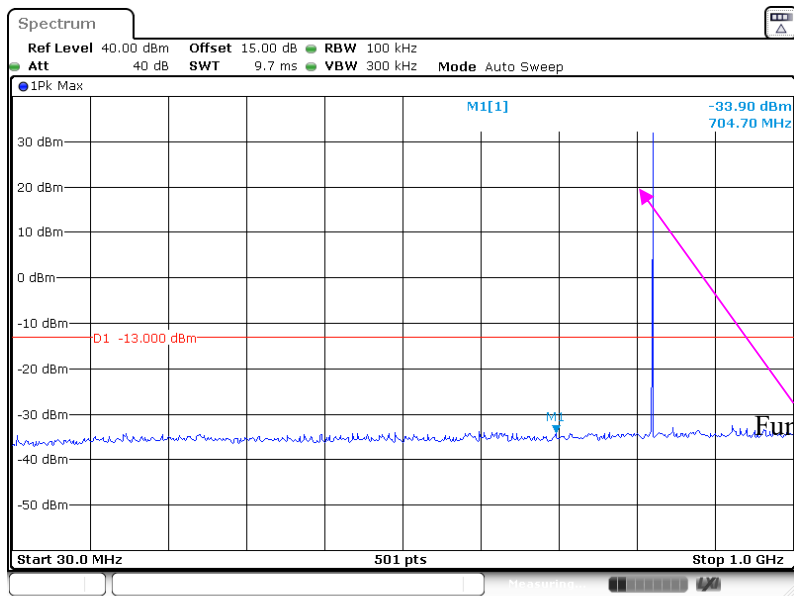
Date: 1 MAY 2024 16:16:00

1 GHz – 9 GHz (GPRS Mode), Low channel

ProjectNo.:RKSA240327005 Tester:Bard Liu

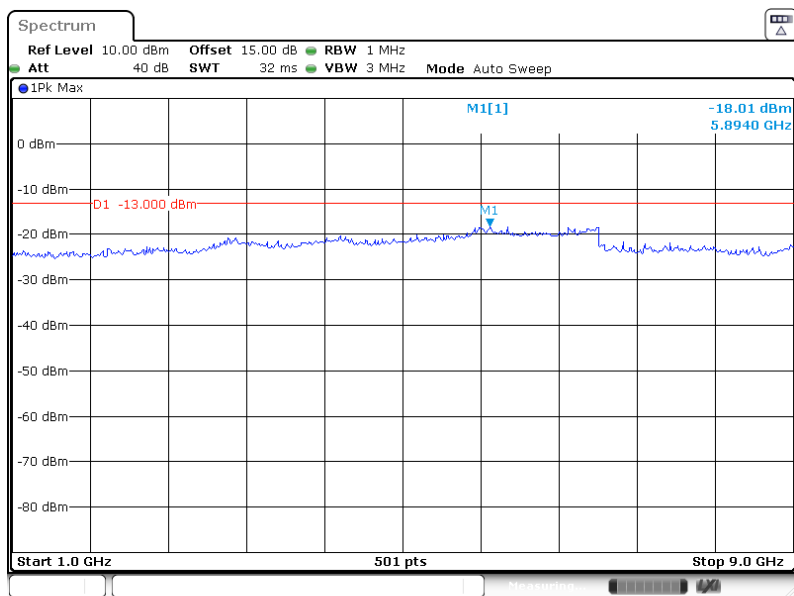
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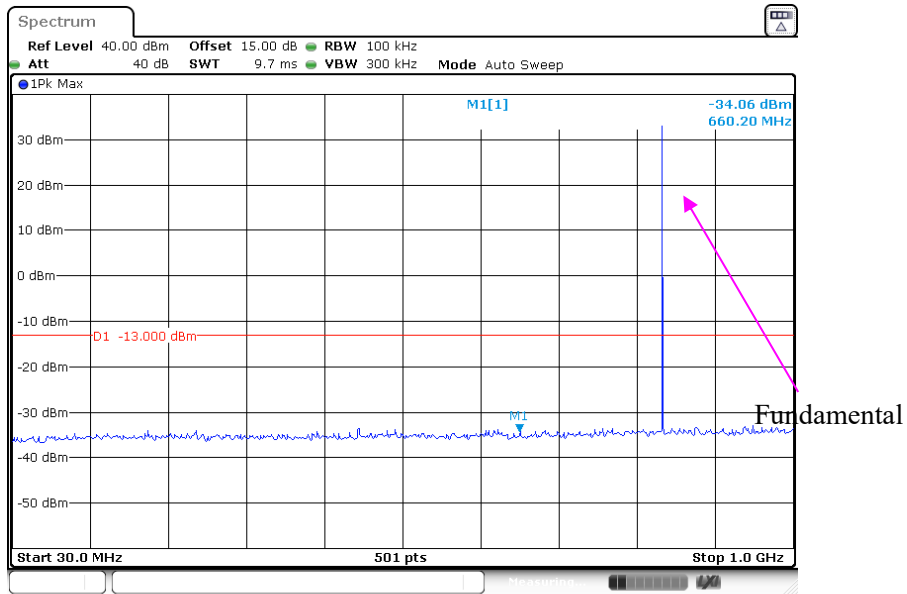
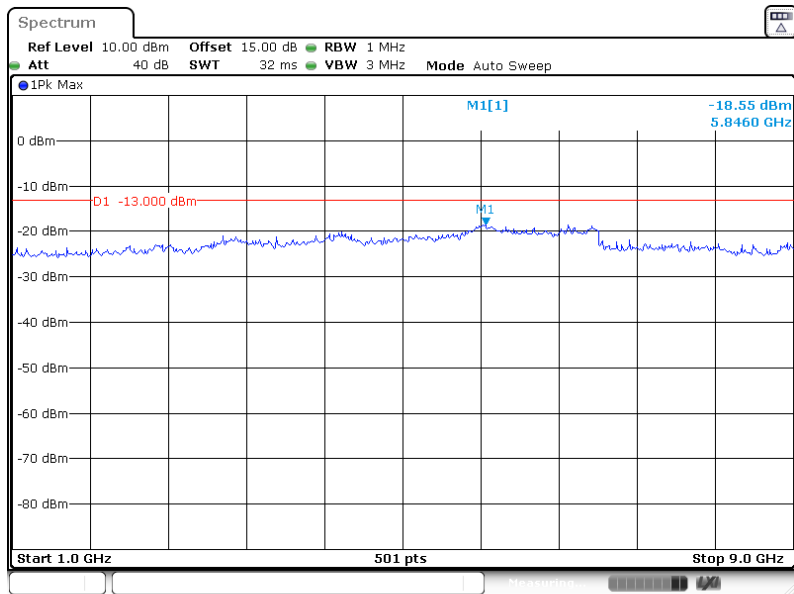
30 MHz – 1GHz (EGPRS Mode), Low channel



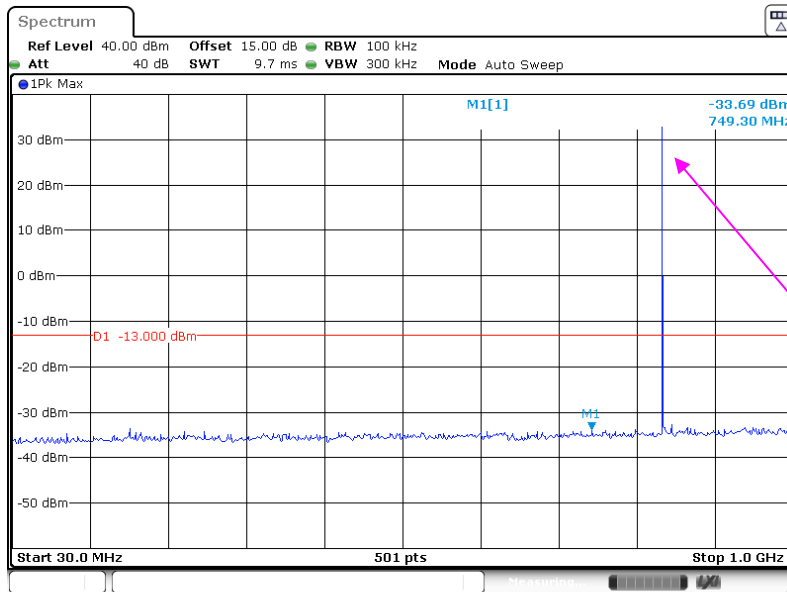
Fundamental

1 GHz – 9 GHz (EGPRS Mode), Low channel



30 MHz – 1GHz (GPRS Mode), Middle channel**1 GHz – 9 GHz (GPRS Mode), Middle channel**

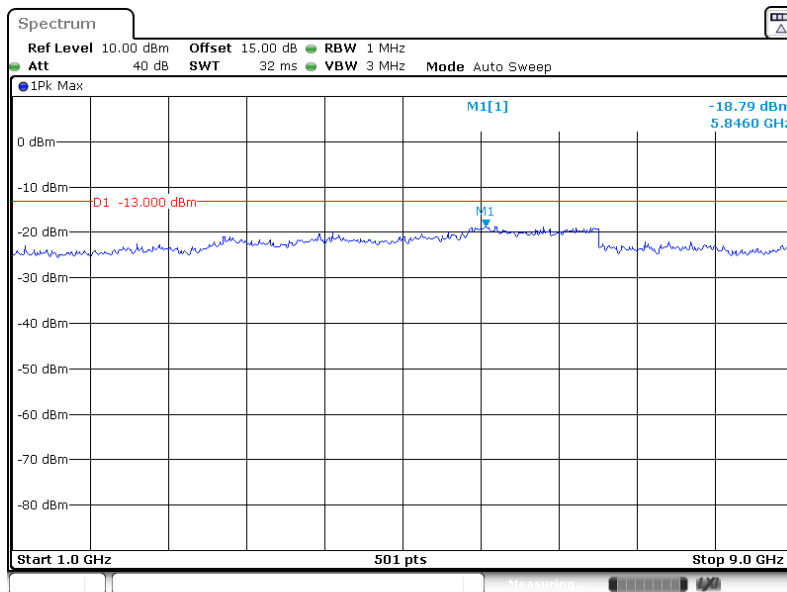
30 MHz – 1GHz (EGPRS Mode), Middle channel



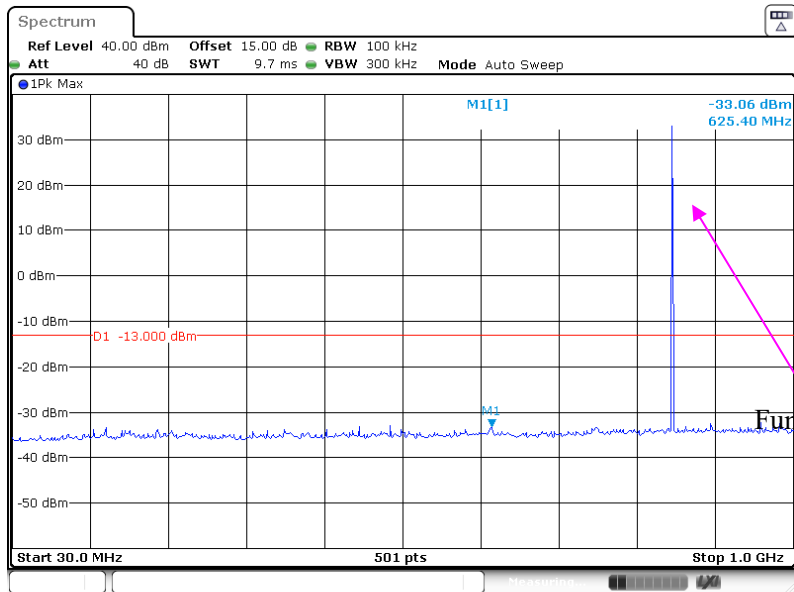
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:00:40

Fundamental

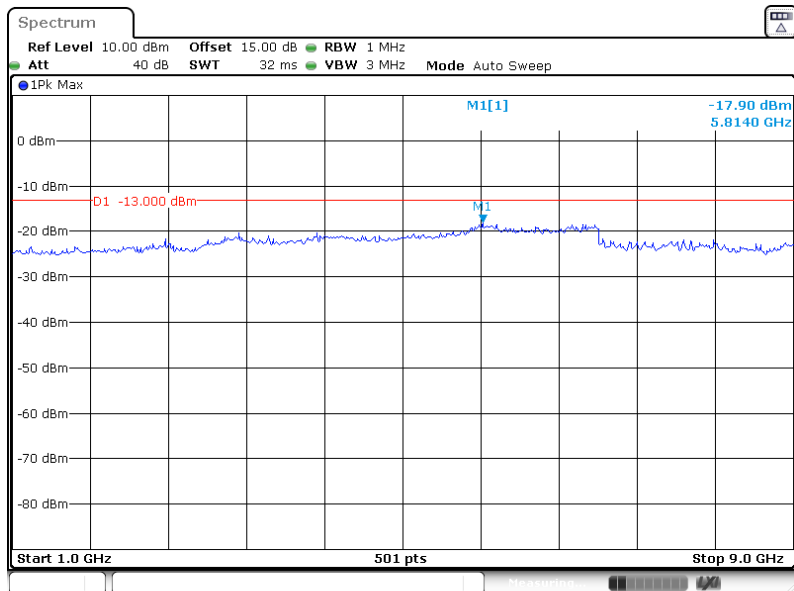
1 GHz – 9 GHz (EGPRS Mode), Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:02:54

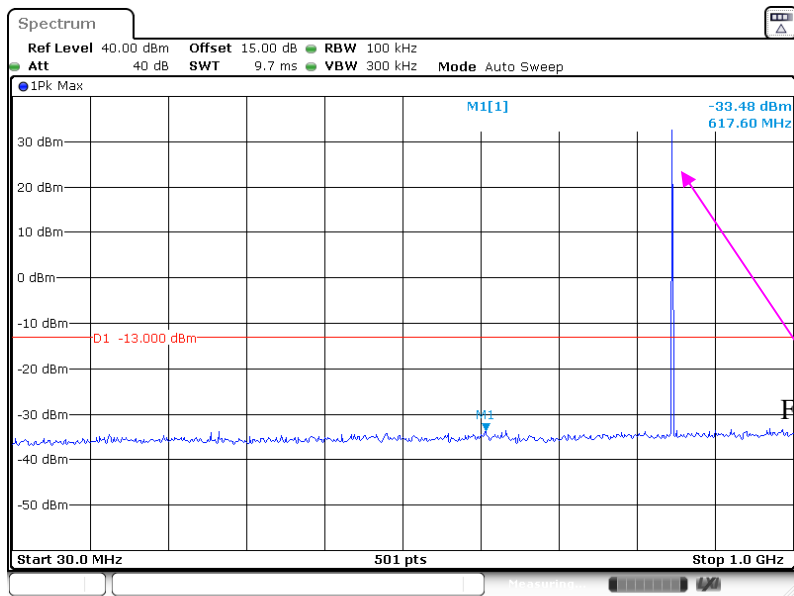
30 MHz – 1GHz (GPRS Mode), High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 16:37:57

1 GHz – 9 GHz (GPRS Mode), High channel

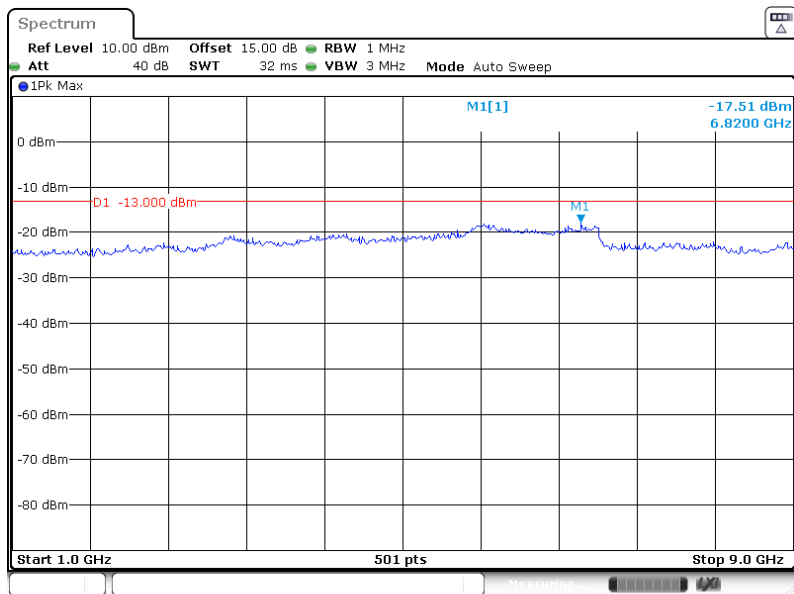
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 16:45:29

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



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:08:46

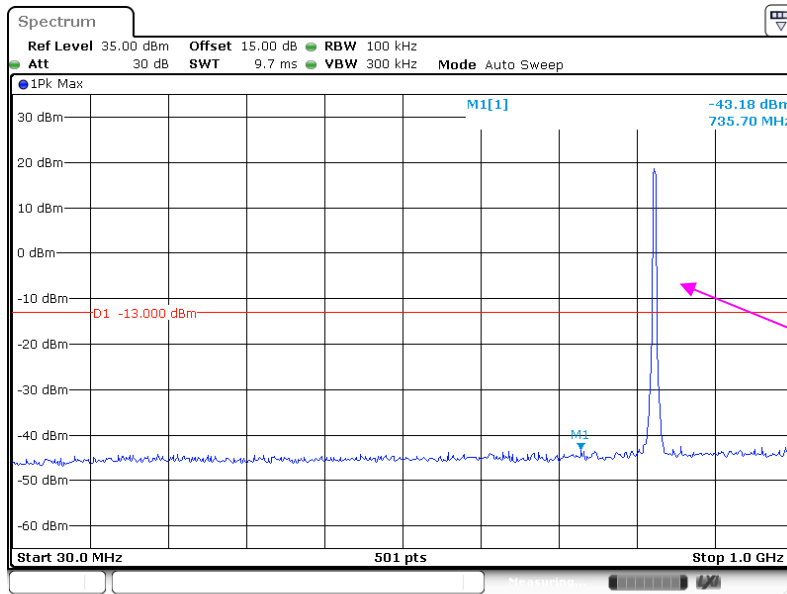
1 GHz – 9 GHz (EGPRS Mode), High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:06:00

WCDMA Band V:

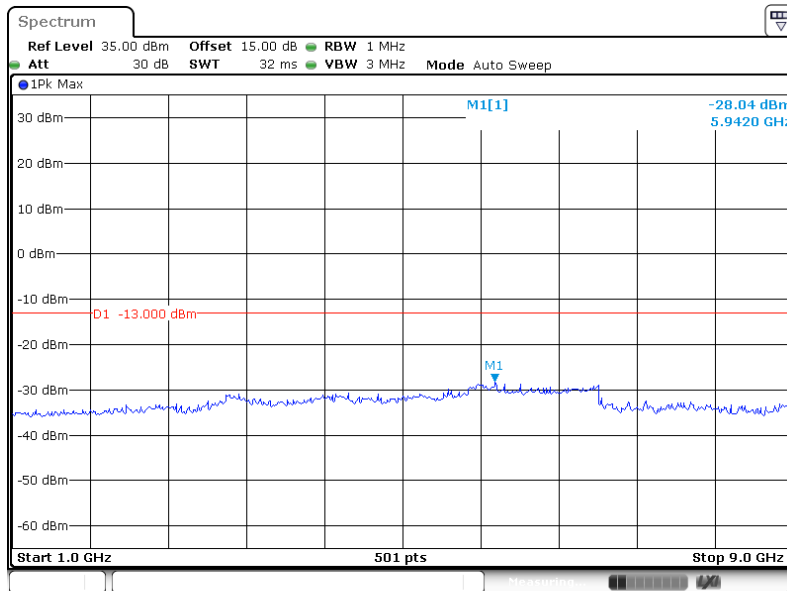
30 MHz – 1GHz WCDMA (RMC) Mode, Low channel



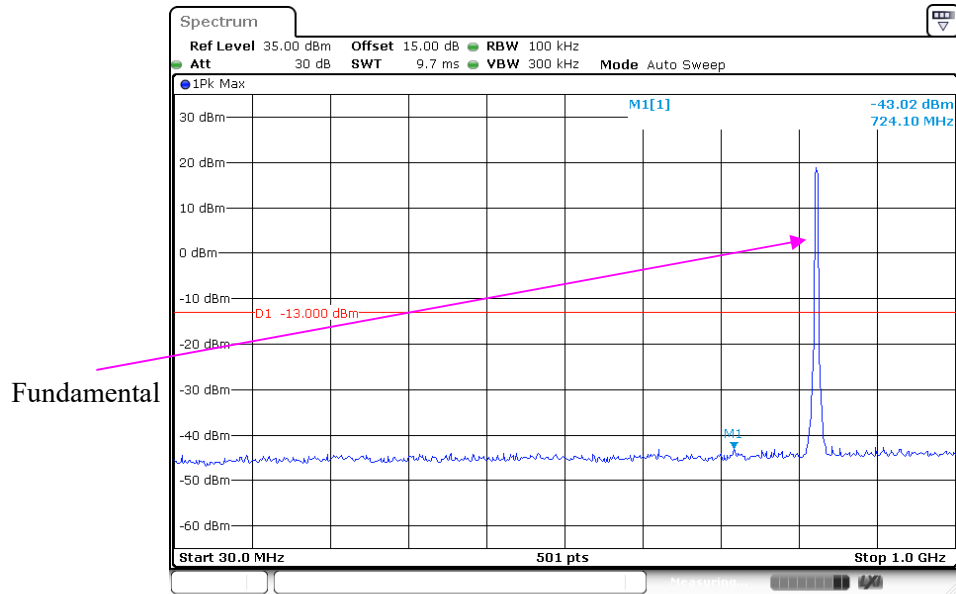
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 16:00:32

Fundamental

1 GHz – 9 GHz WCDMA (RMC) Mode, Low channel

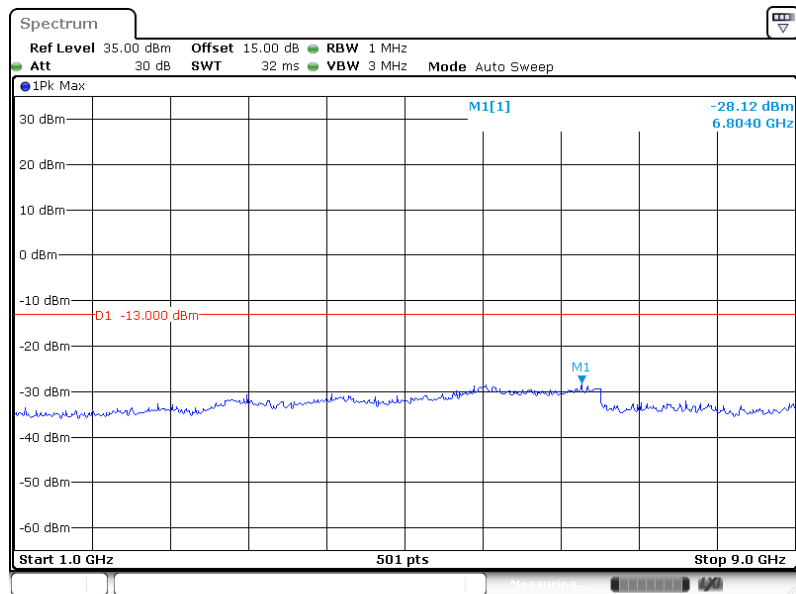


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 16:05:55

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

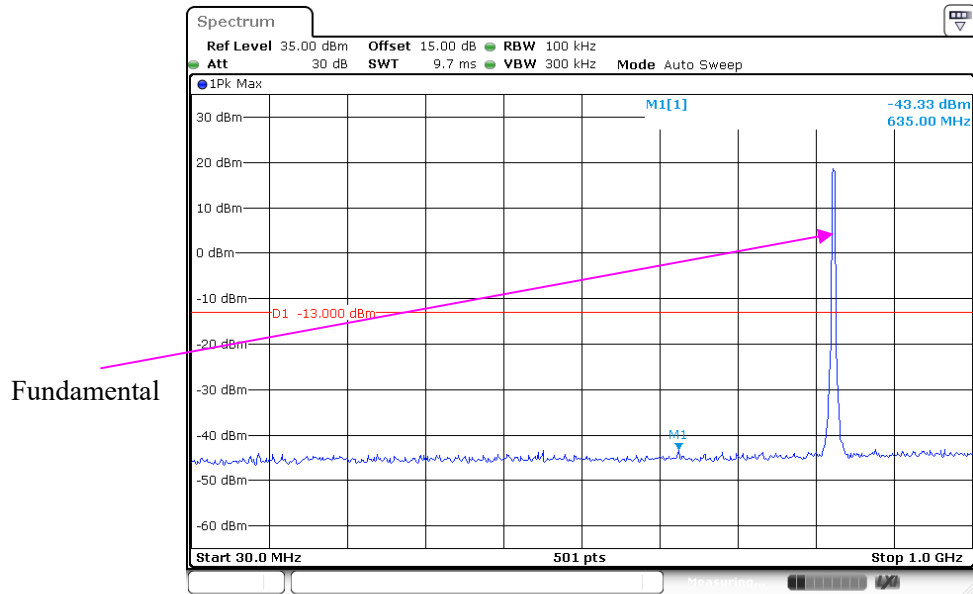
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1 GHz – 9 GHz WCDMA (HSDPA) Mode, Low channel

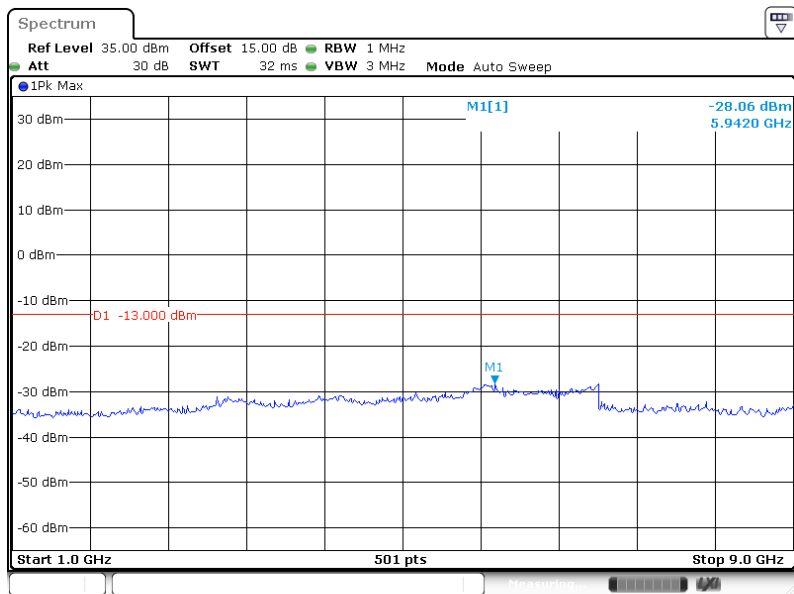
ProjectNo.:RKSA240327005 Tester:Bard Liu

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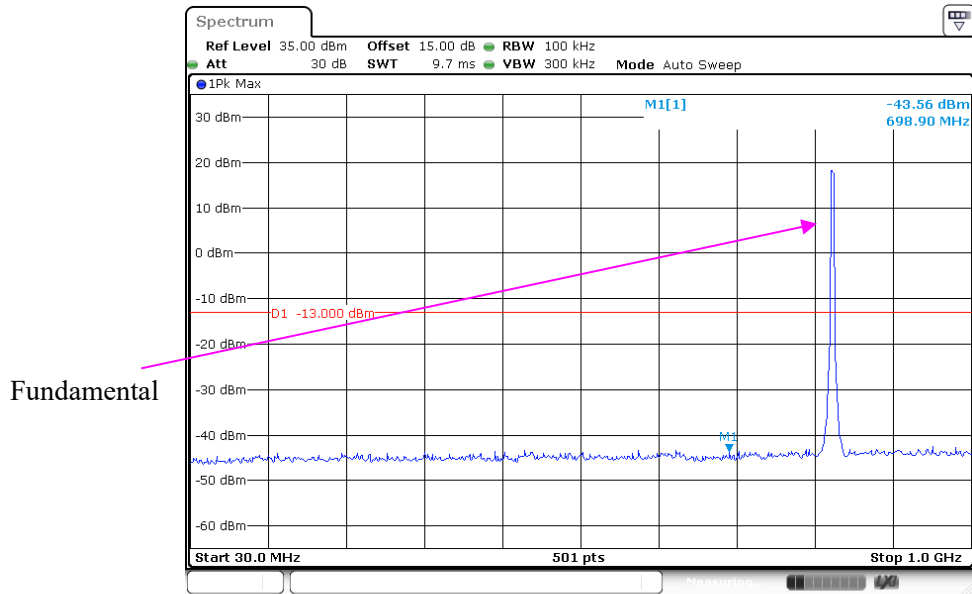
30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel



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



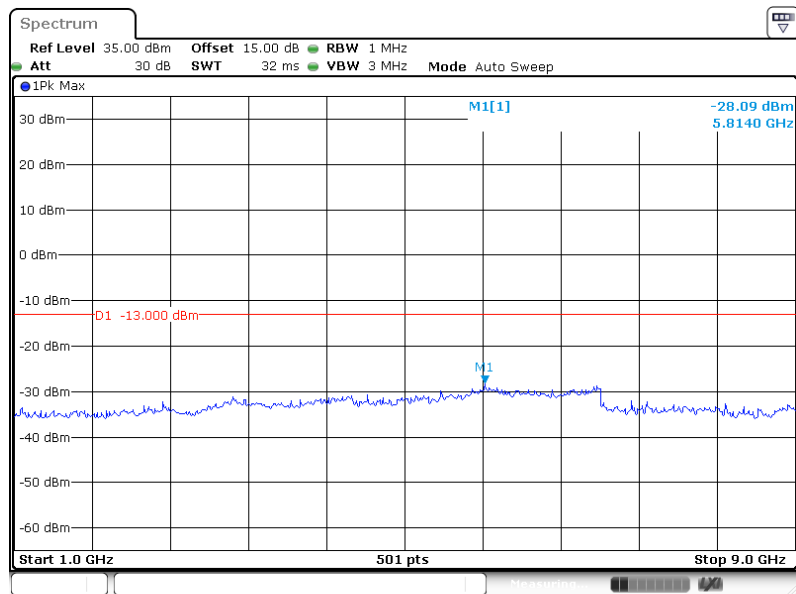
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:59:16

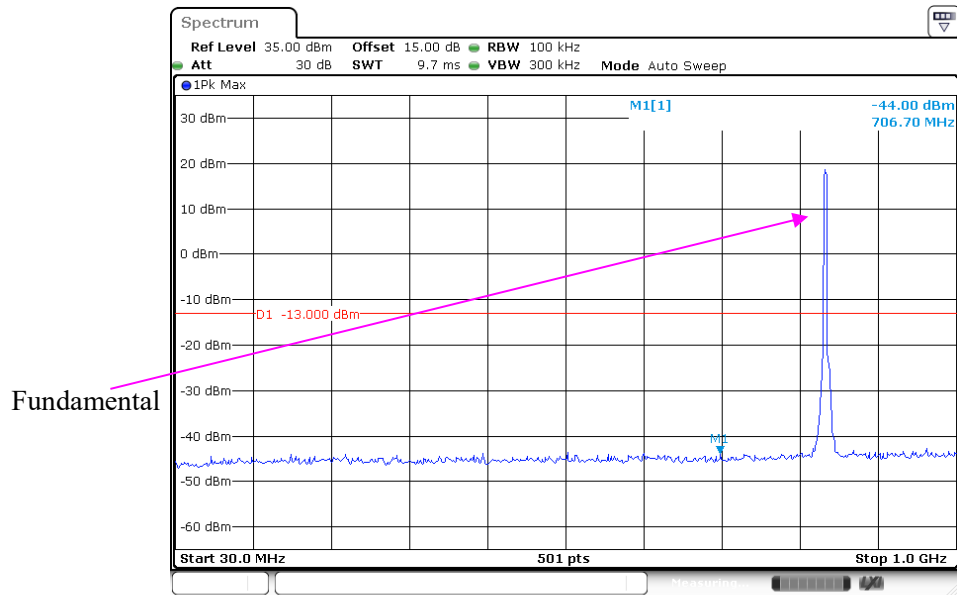
1 GHz – 9 GHz WCDMA (HSPA+) Mode, Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:04:59

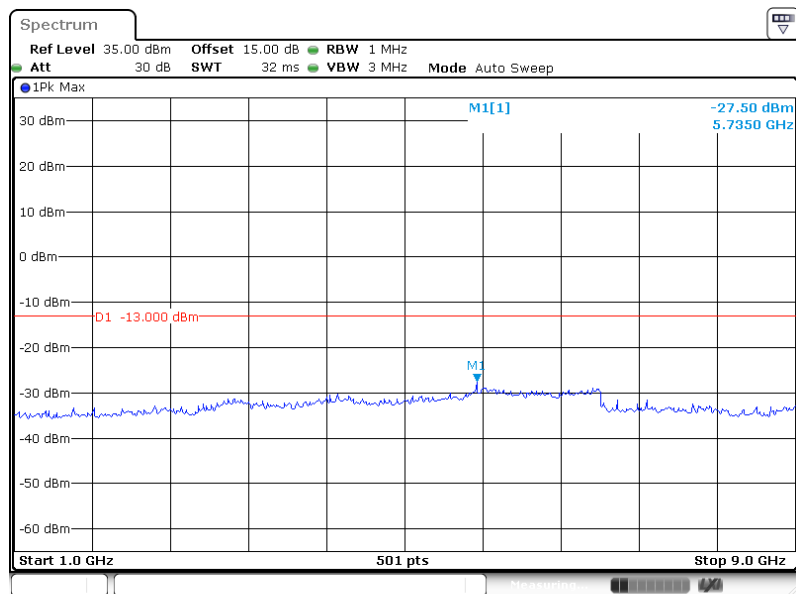
30 MHz – 1GHz WCDMA (RMC) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:11:09

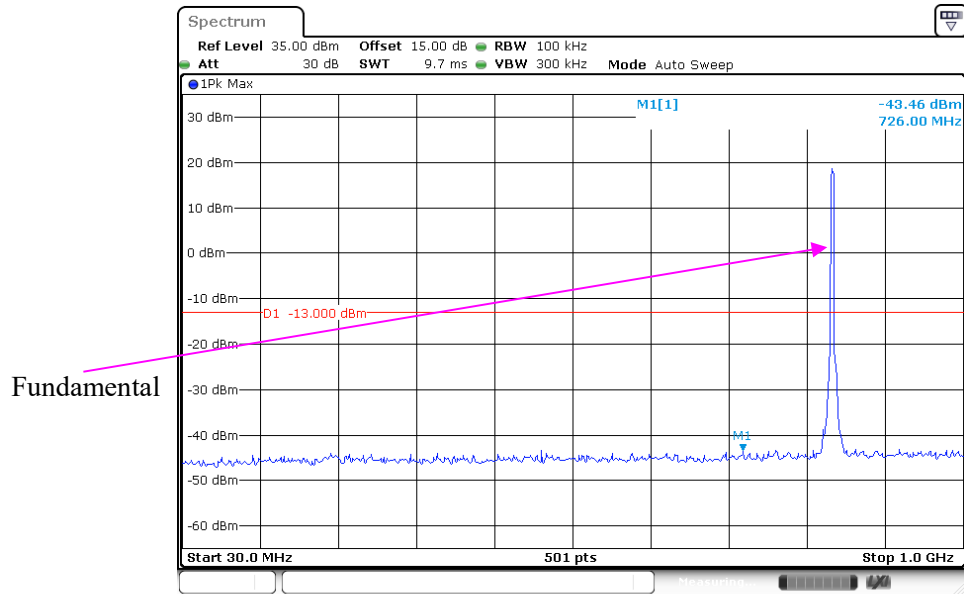
1 GHz – 9 GHz WCDMA (RMC) Mode, Middle channel



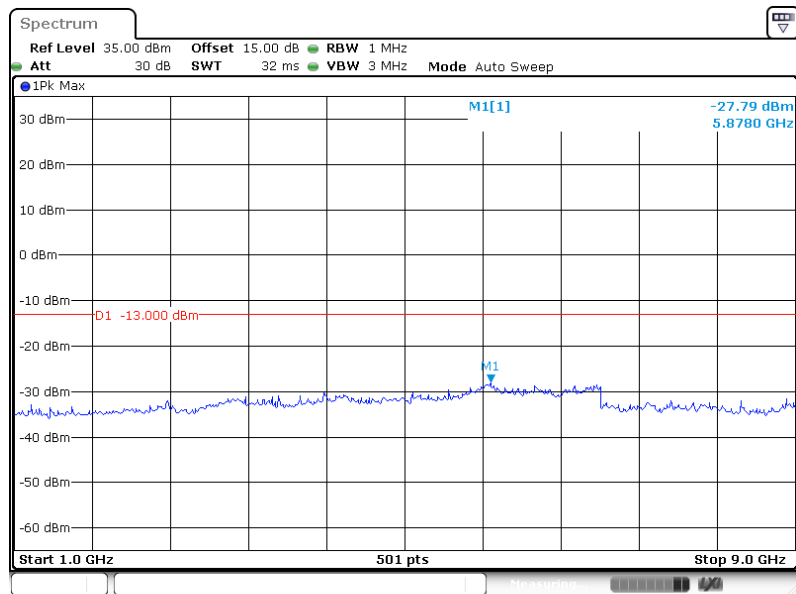
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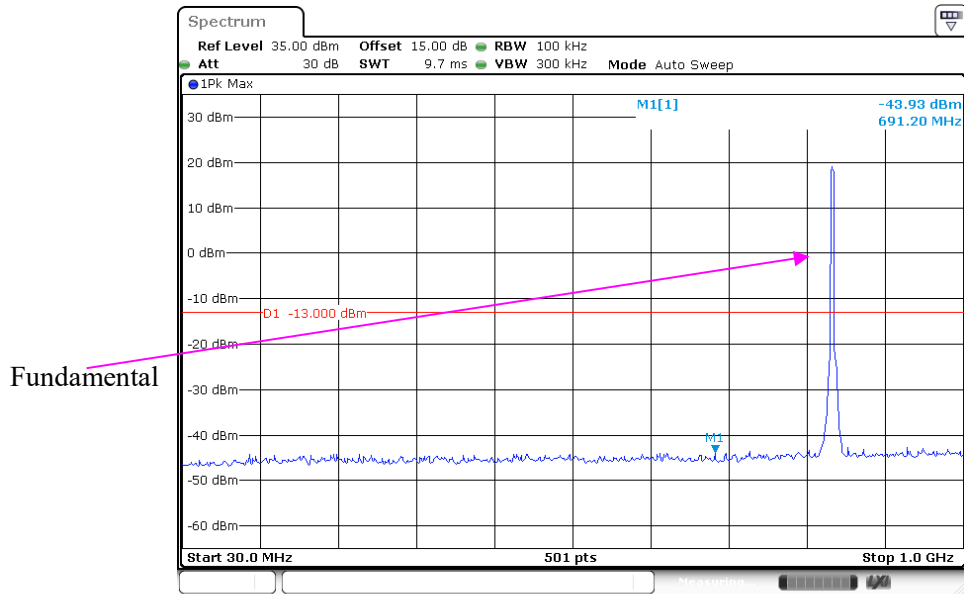
30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



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



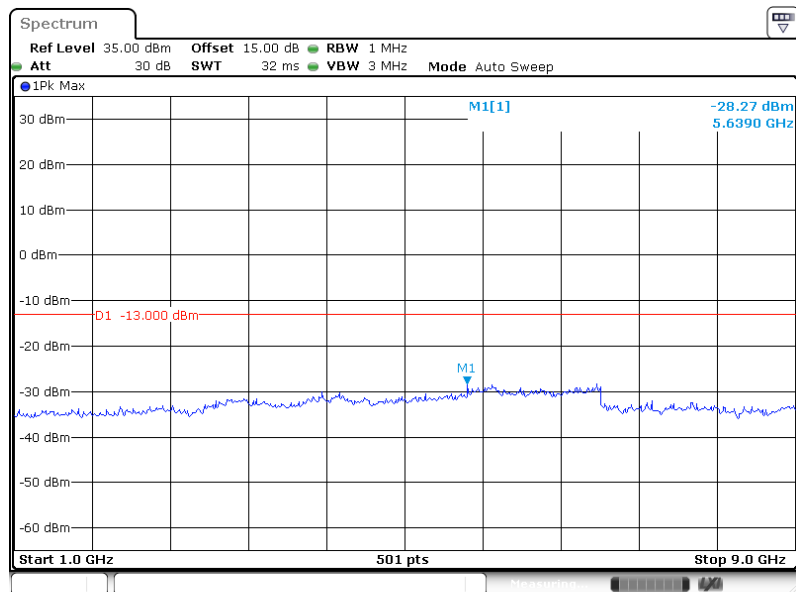
30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

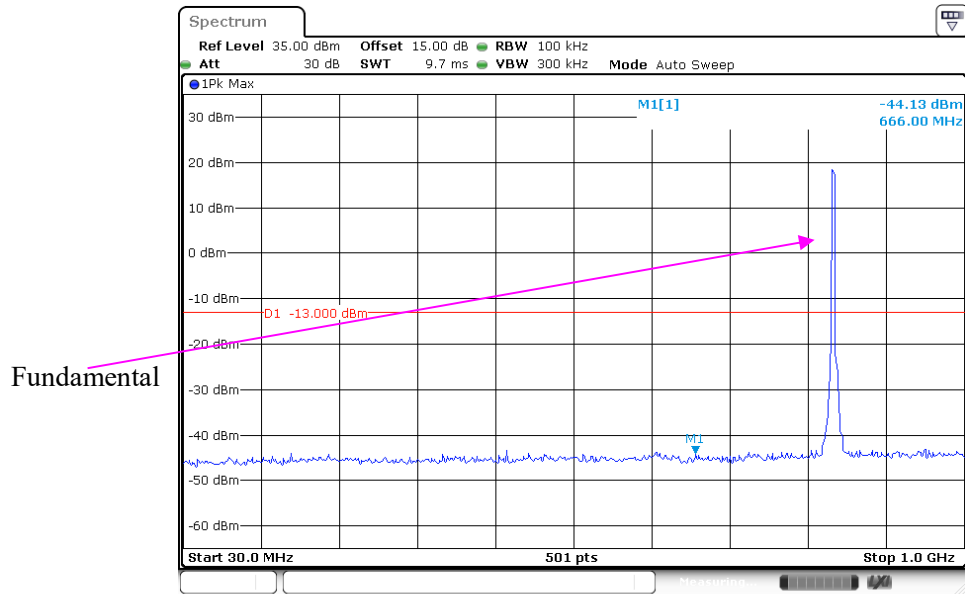
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1 GHz – 9 GHz WCDMA (HSUPA) Mode, Middle channel



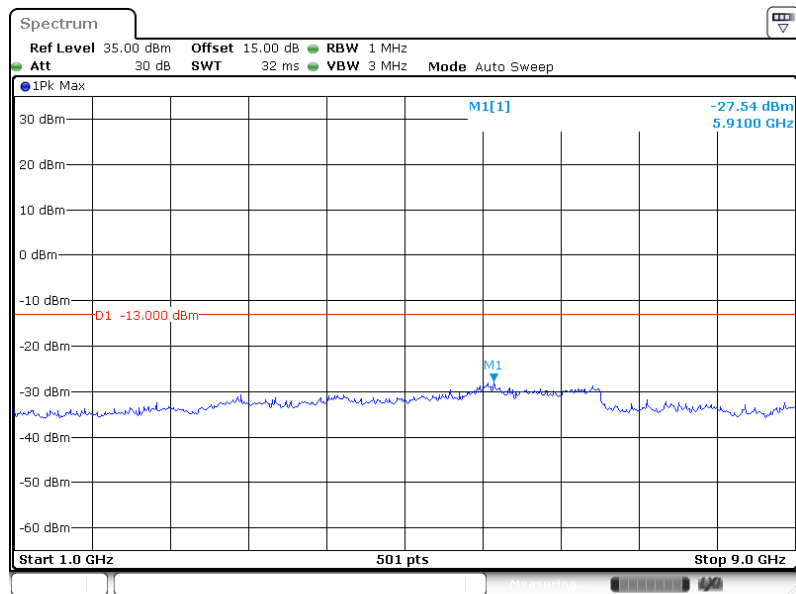
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:16:55

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

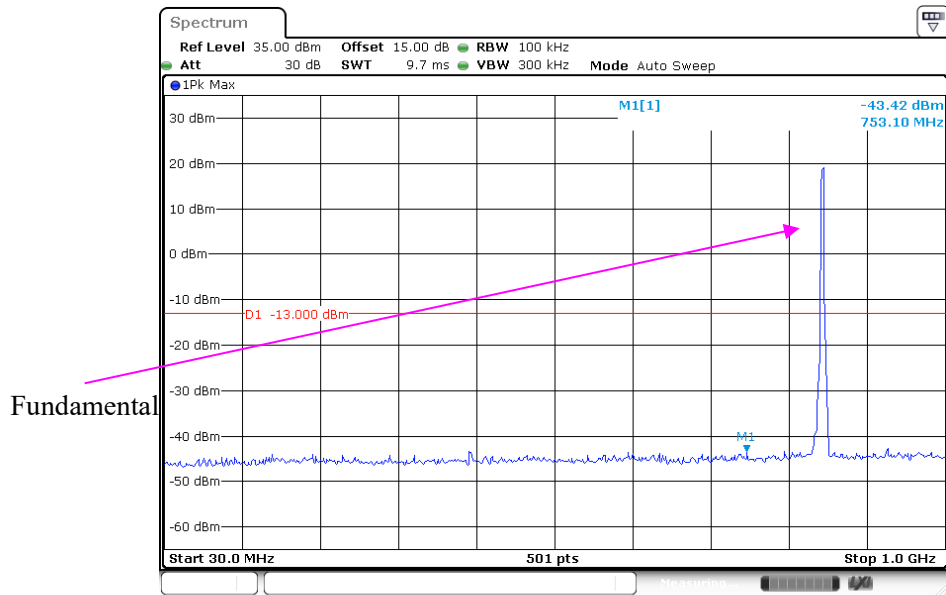
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1 GHz – 9 GHz WCDMA (HSPA+) Mode, Middle channel

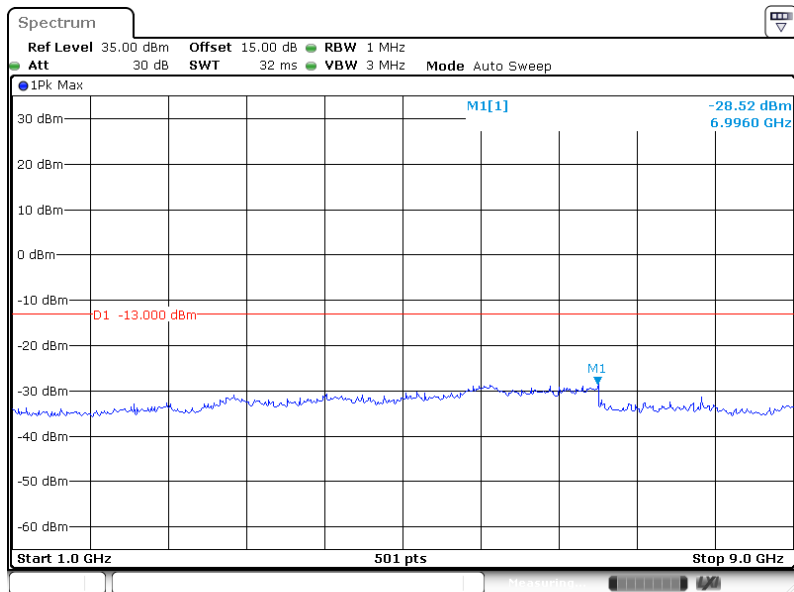
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Date: 6 MAY. 2024 16:15:13

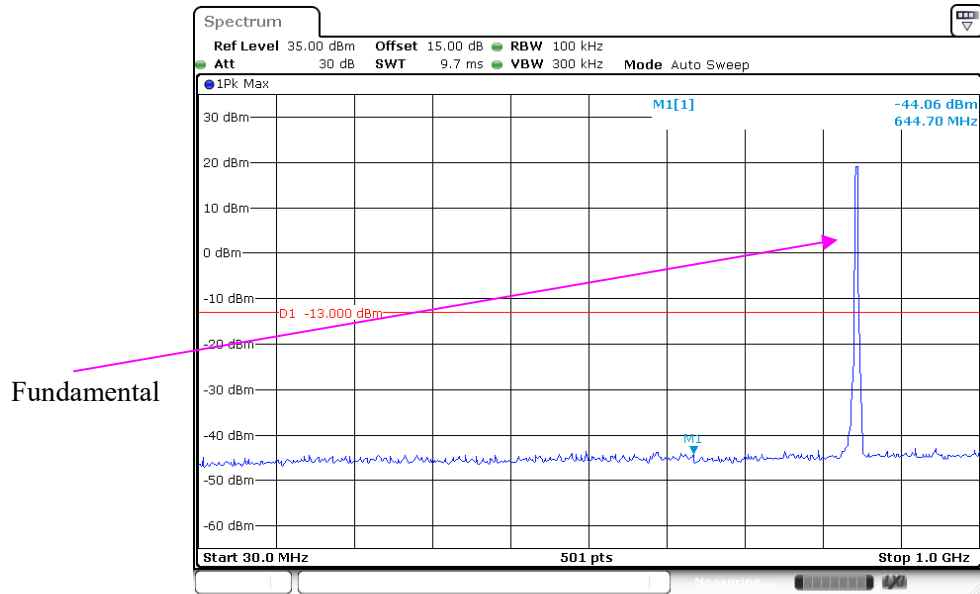
30 MHz – 1GHz WCDMA (RMC) Mode, High channel



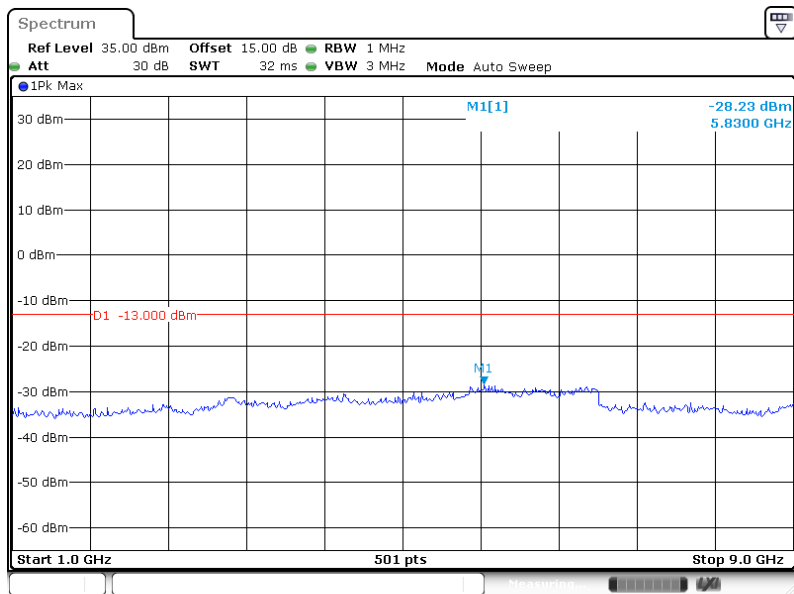
1 GHz – 9 GHz WCDMA (RMC) Mode, High channel



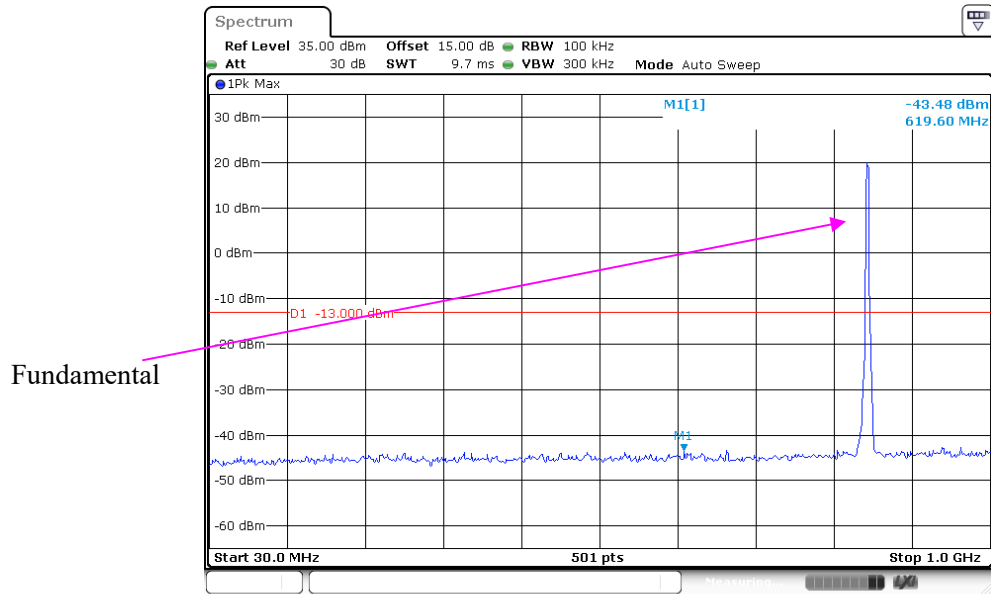
30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



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



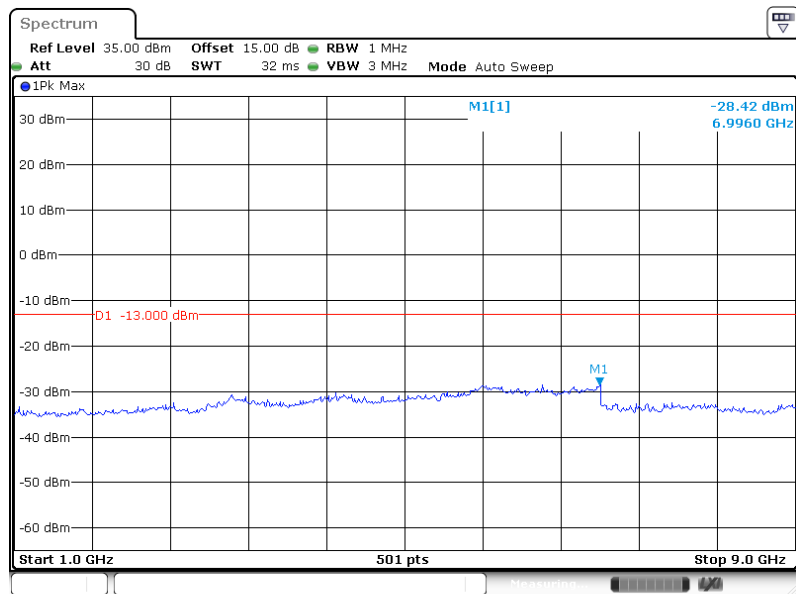
30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

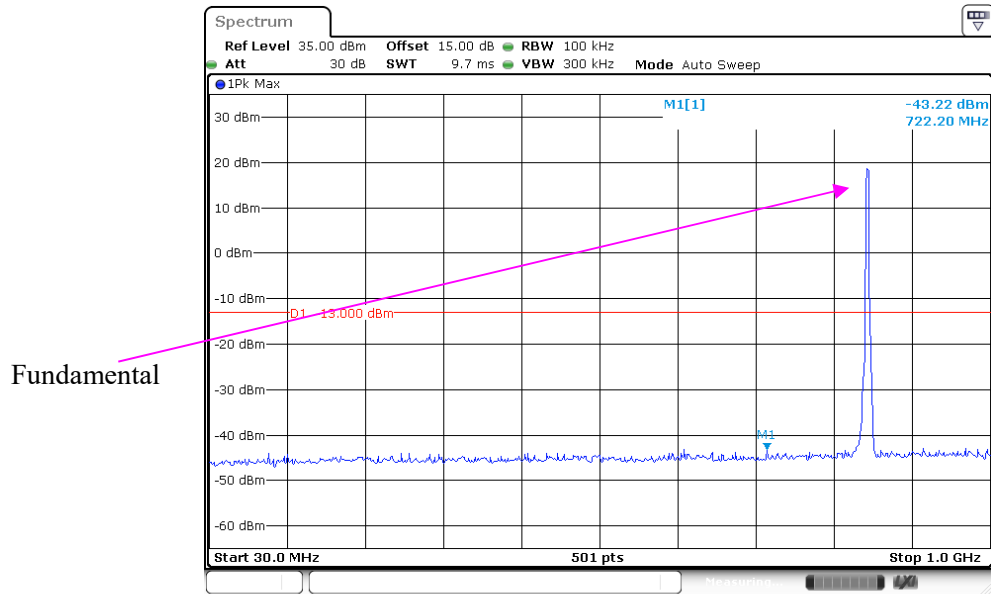
Date: 6 MAY. 2024 16:22:54

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



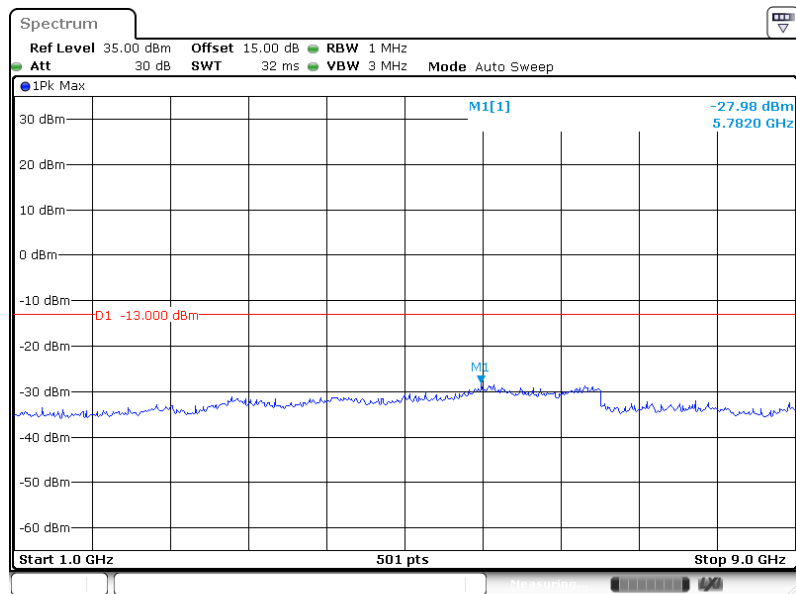
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:28:59

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:21:02

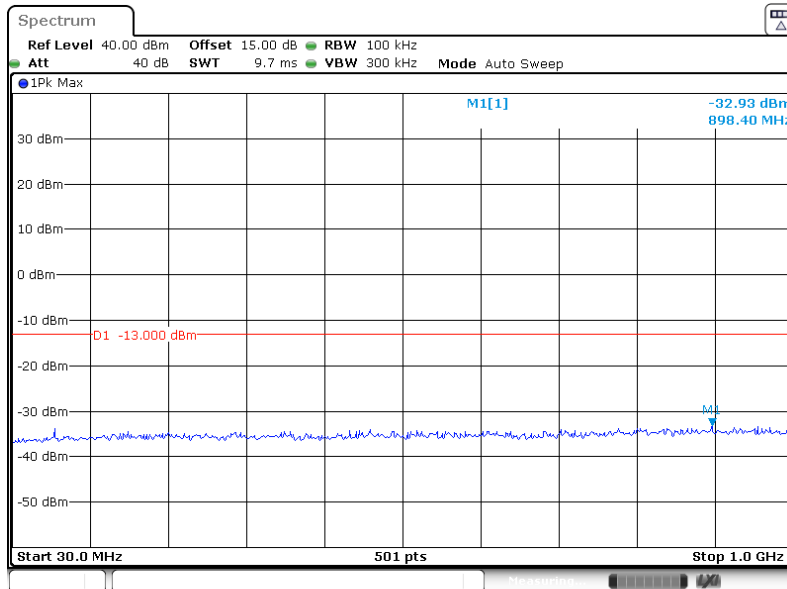
1 GHz – 9 GHz WCDMA (HSPA+) Mode, High channel

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 16:26:48

PCS 1900 Band:

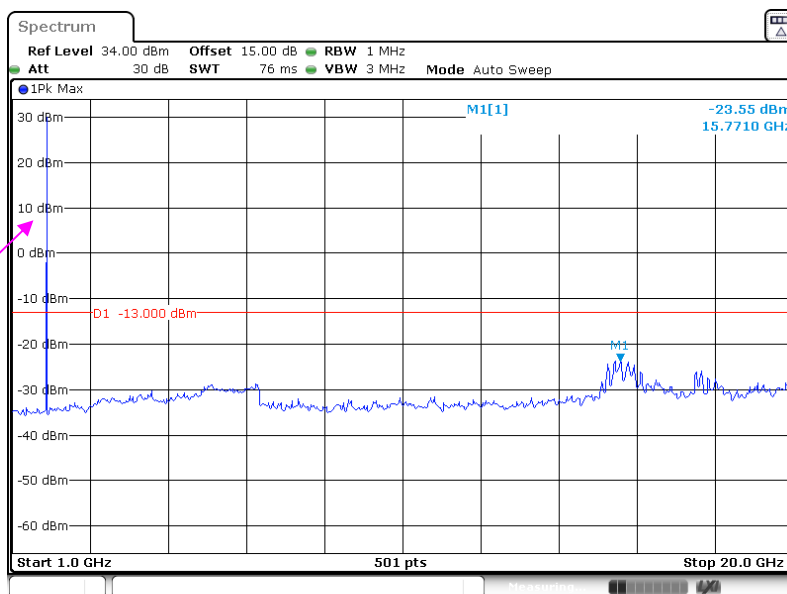
30 MHz – 1GHz (GPRS Mode), Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:17:23

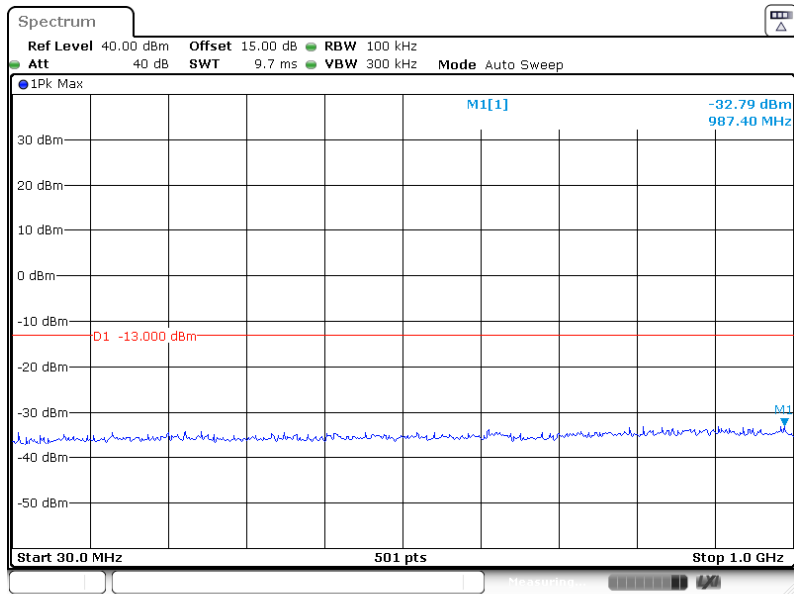
1 GHz – 20 GHz (GPRS Mode), Low channel

Fundamental



ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 1.MAY.2024 17:22:07

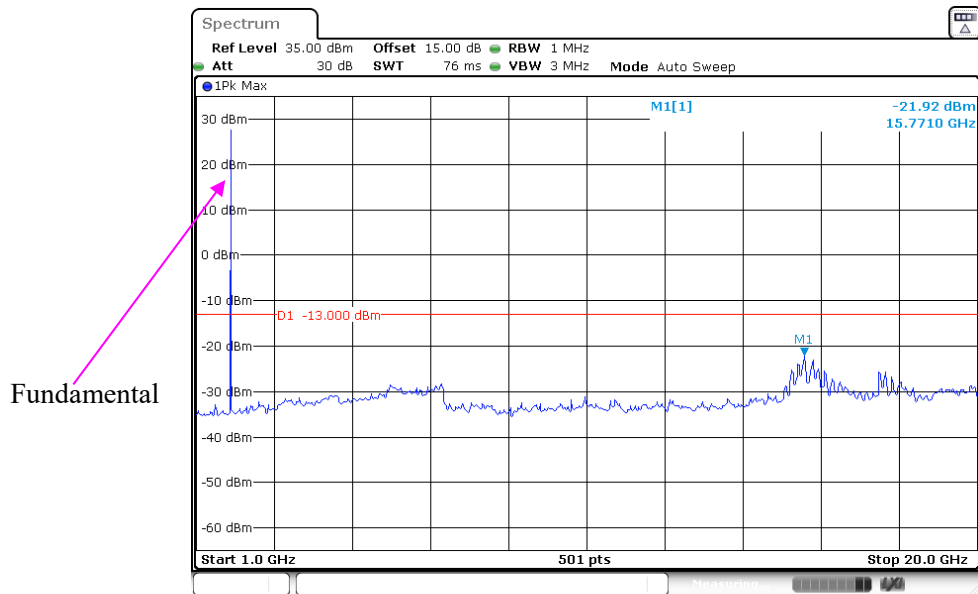
30 MHz – 1GHz (EGPRS Mode), Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:37:46

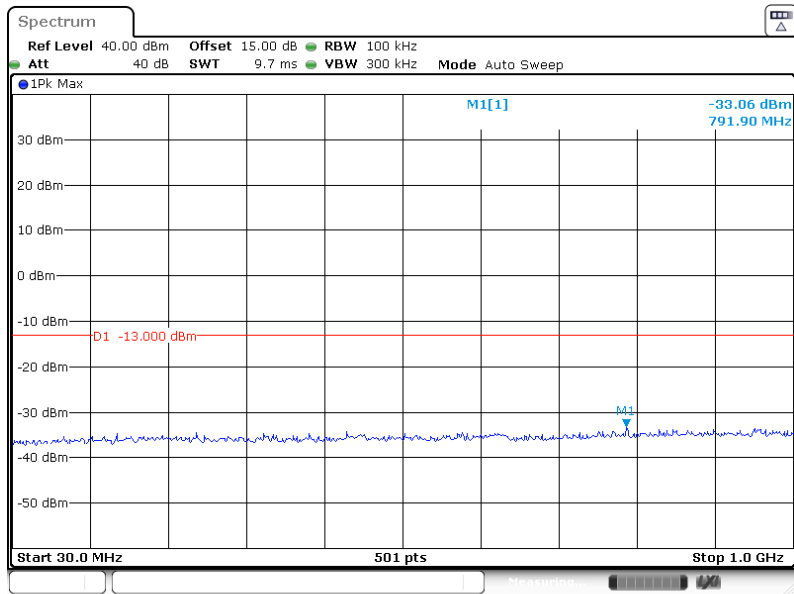
1 GHz – 20 GHz (EGPRS Mode), Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:40:46

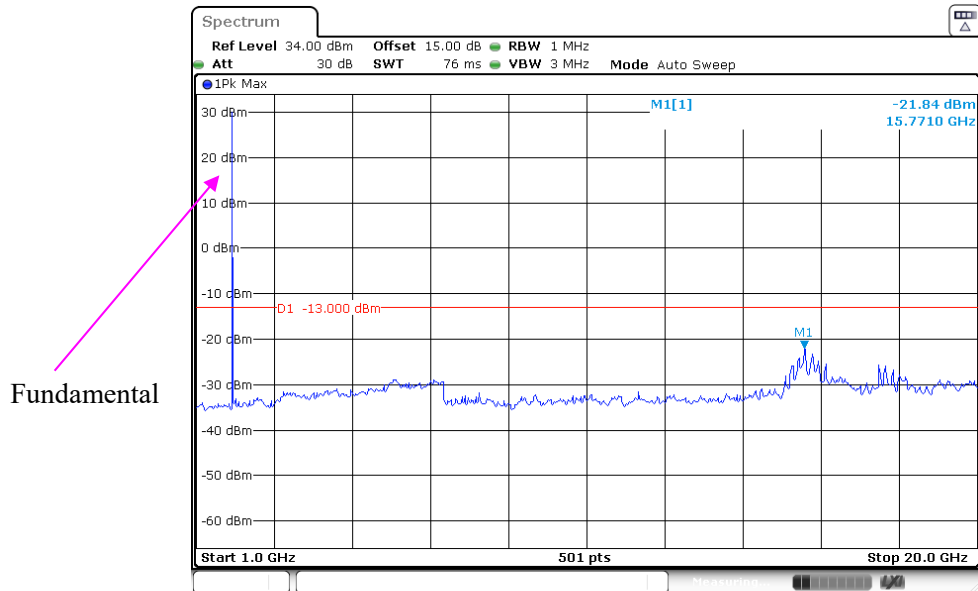
30 MHz – 1GHz (GPRS Mode), Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:30:45

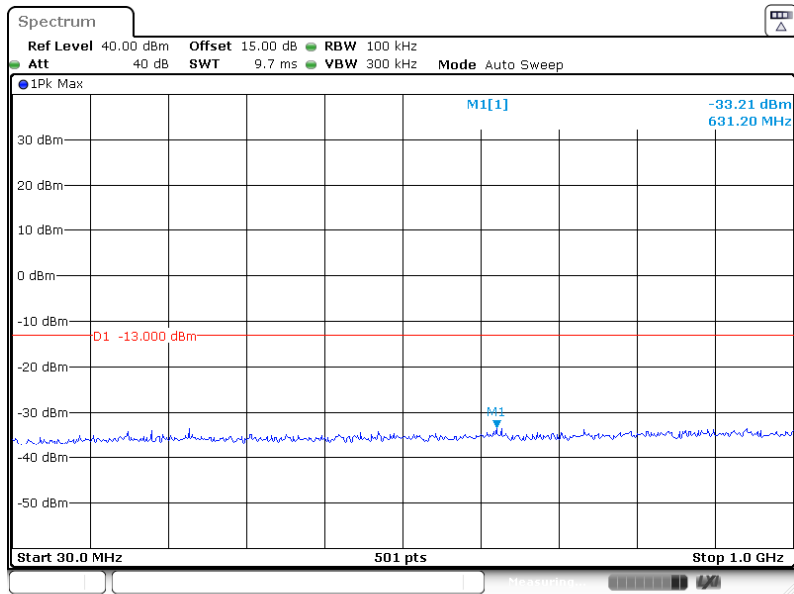
1 GHz – 20 GHz (GPRS Mode), Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:24:22

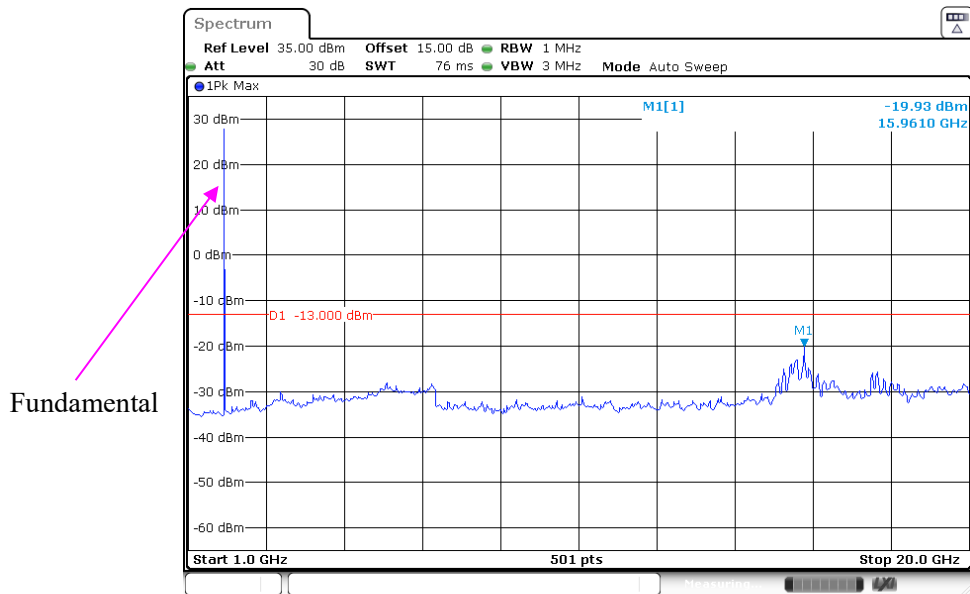
30 MHz – 1GHz (EGPRS Mode), Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:35:39

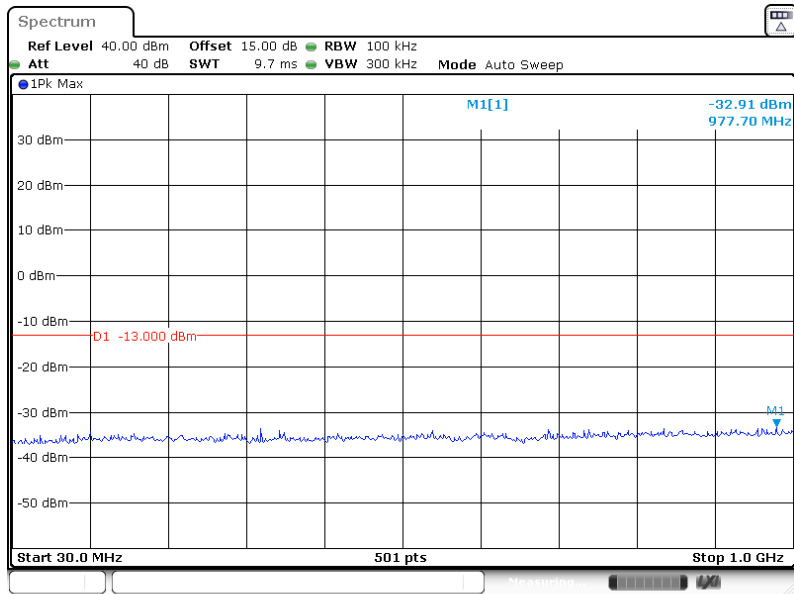
1 GHz – 20 GHz (EGPRS Mode), Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:43:12

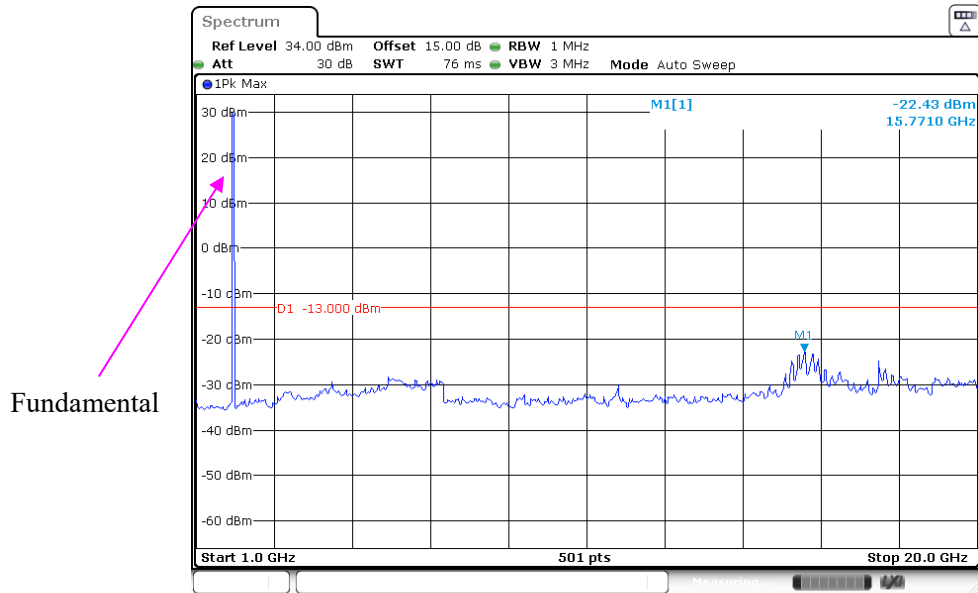
30 MHz – 1GHz (GPRS Mode), High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:29:06

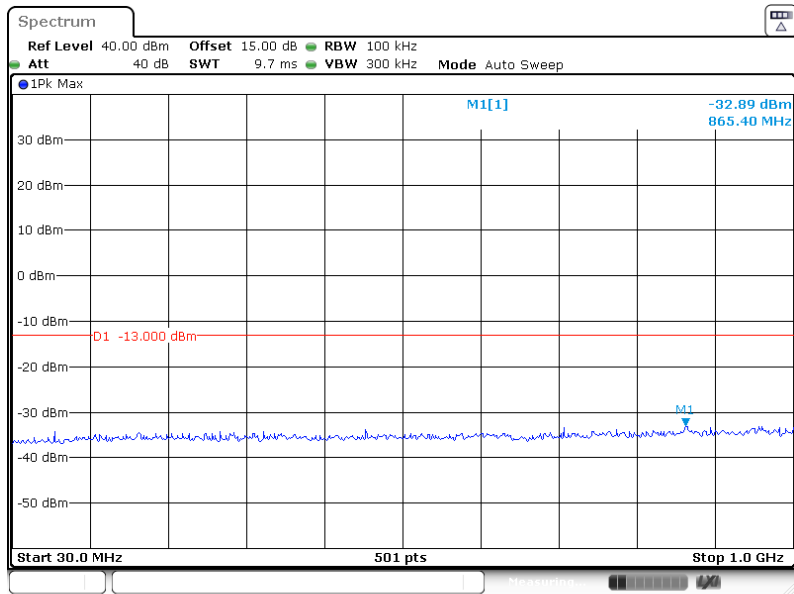
1 GHz – 20 GHz (GPRS Mode), High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:26:46

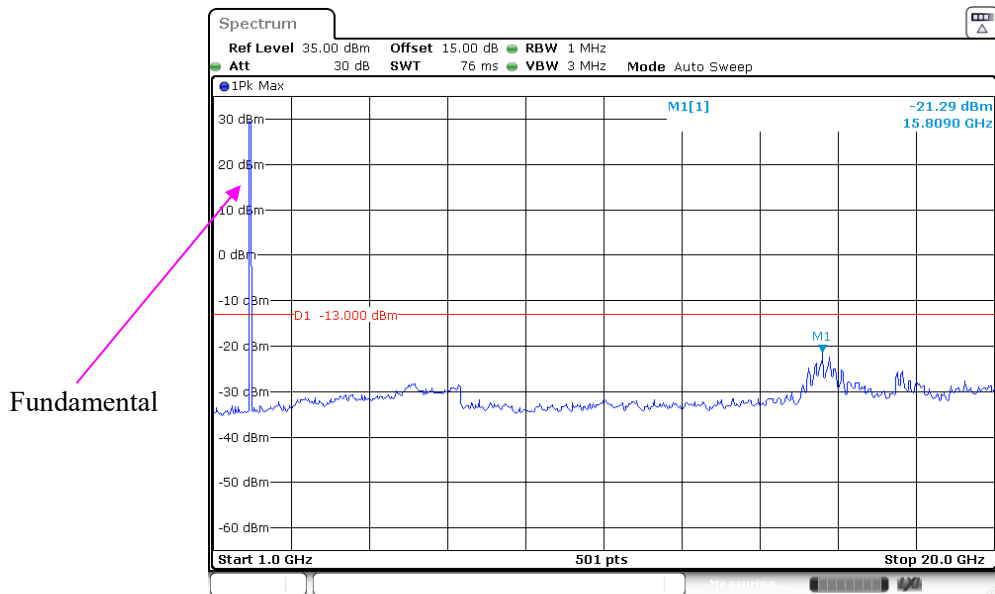
30 MHz – 1GHz(EGPRS Mode), High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:34:19

1 GHz – 20 GHz (EGPRS Mode), High channel

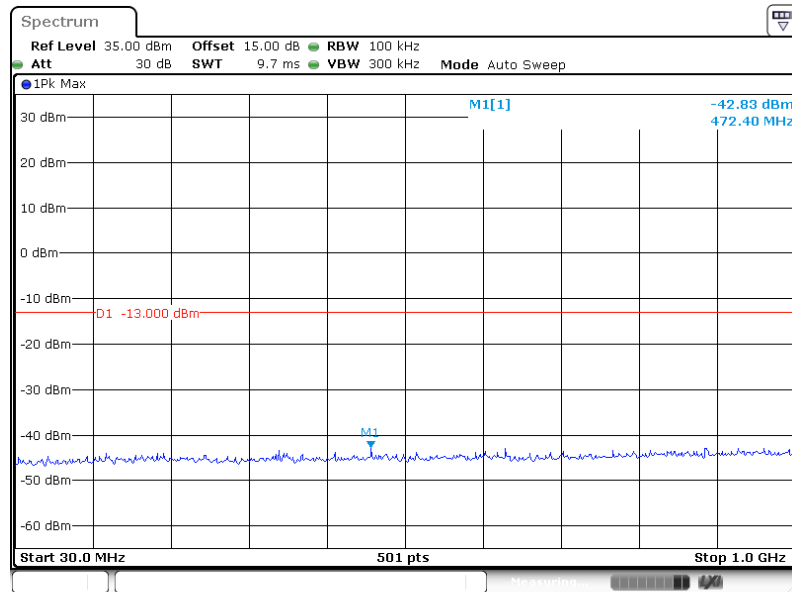


ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 17:45:53

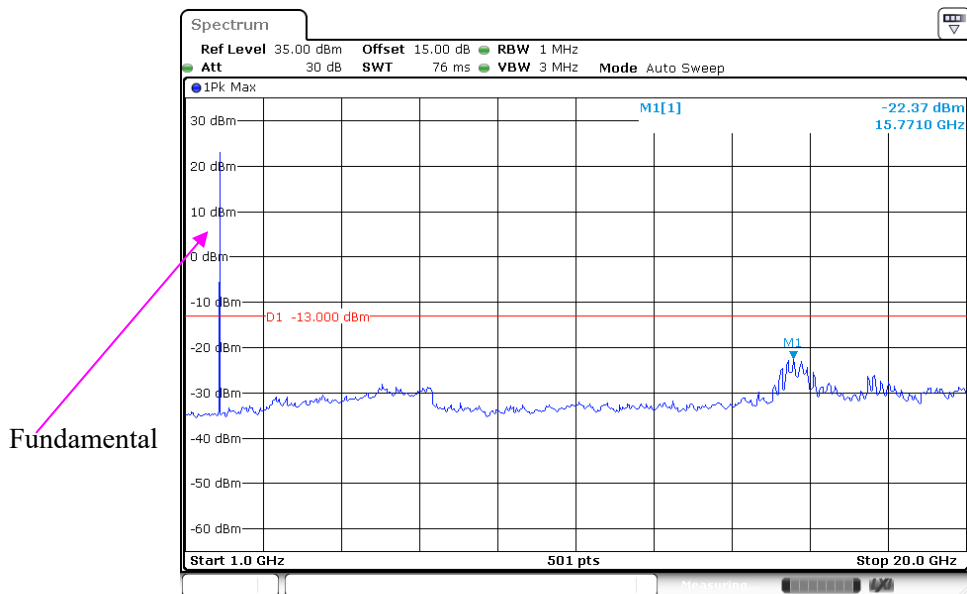
WCDMA Band II:

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



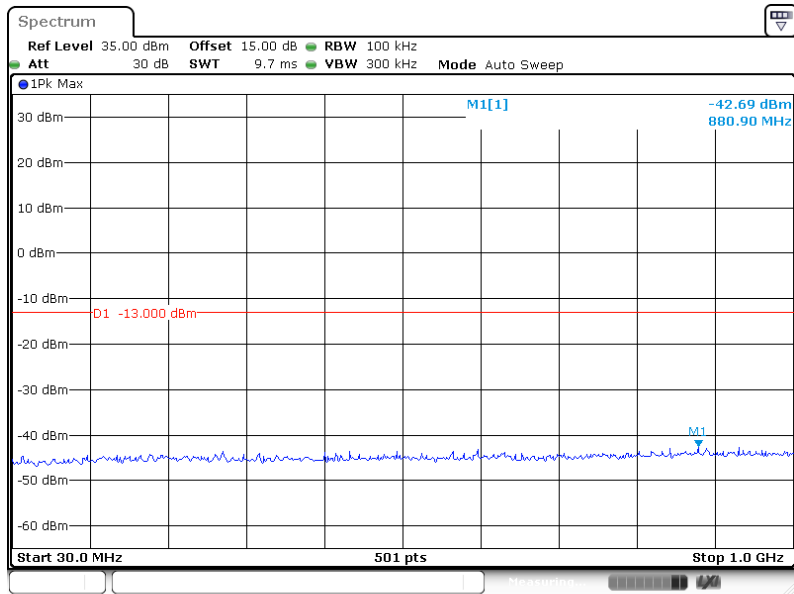
ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY.2024 15:22:45

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

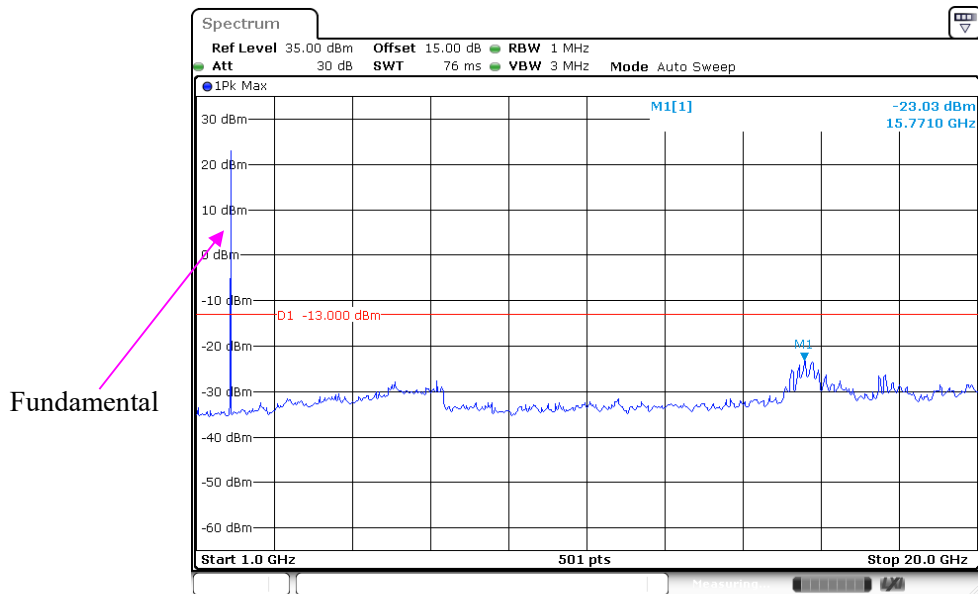


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY.2024 15:16:05

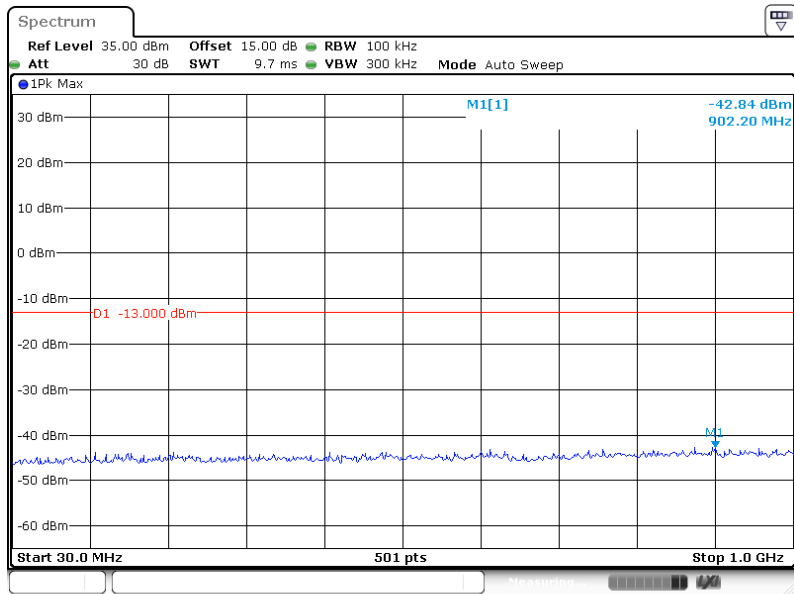
30 MHz – 1GHz WCDMA (HSDPA) Mode, Low channel



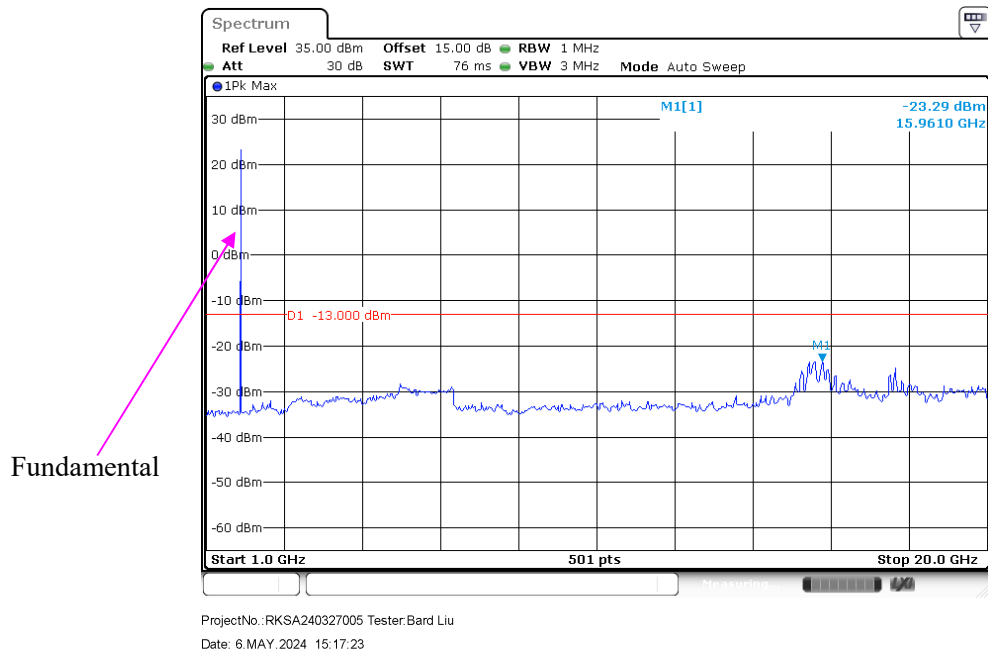
1 GHz – 20 GHz WCDMA (HSDPA) Mode, Low channel



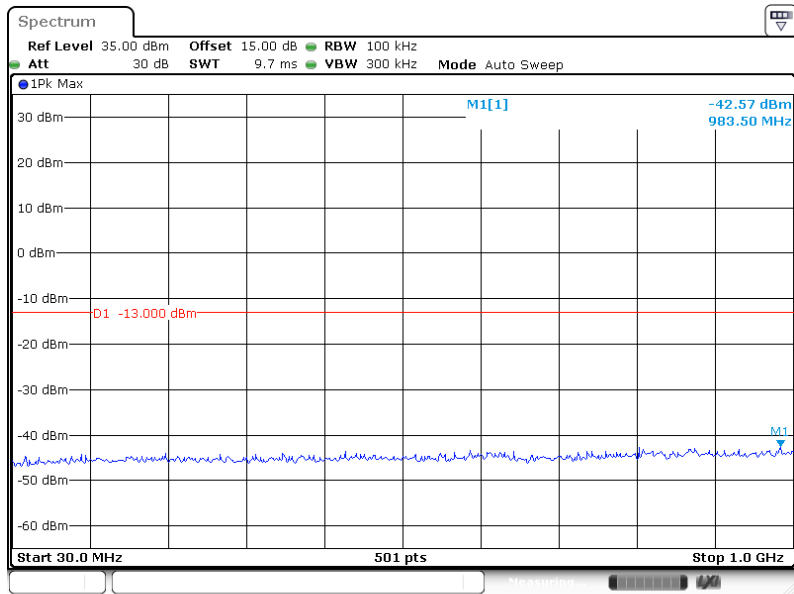
30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel



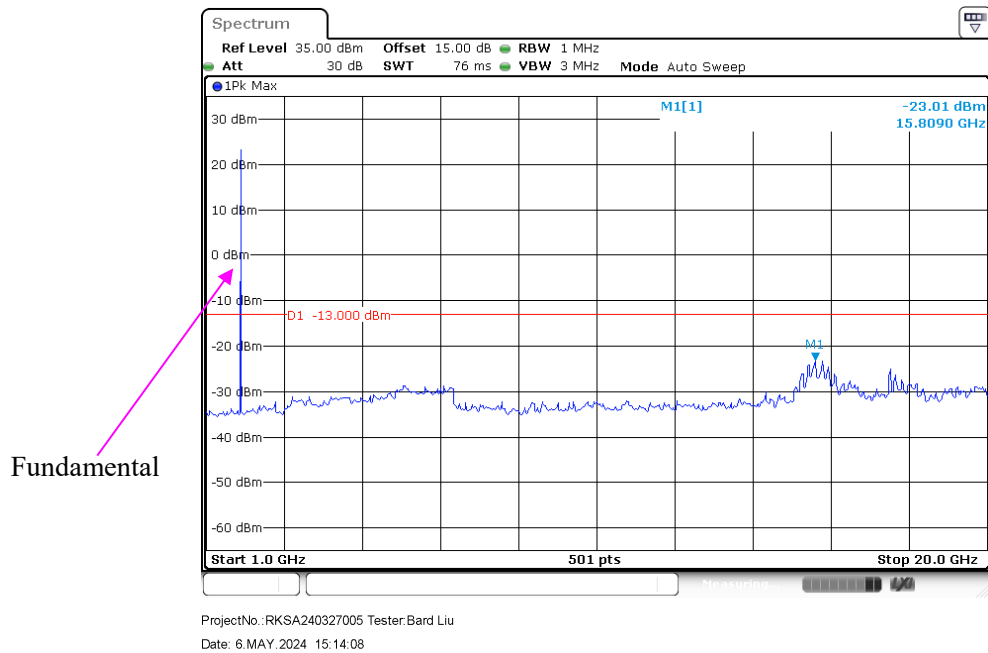
1 GHz – 20 GHz WCDMA (HSUPA) Mode, Low channel



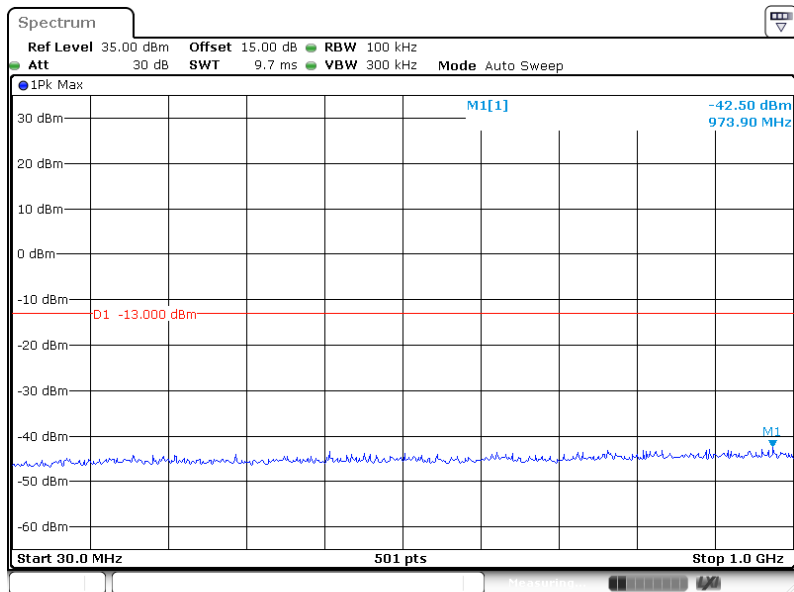
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel



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



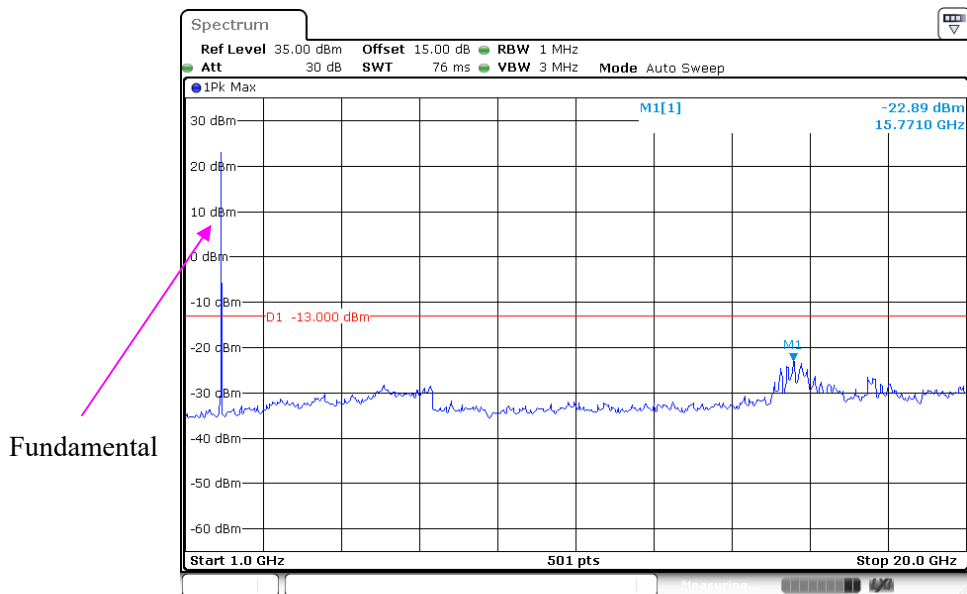
30 MHz – 1GHz WCDMA (RMC) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY 2024 15:28:32

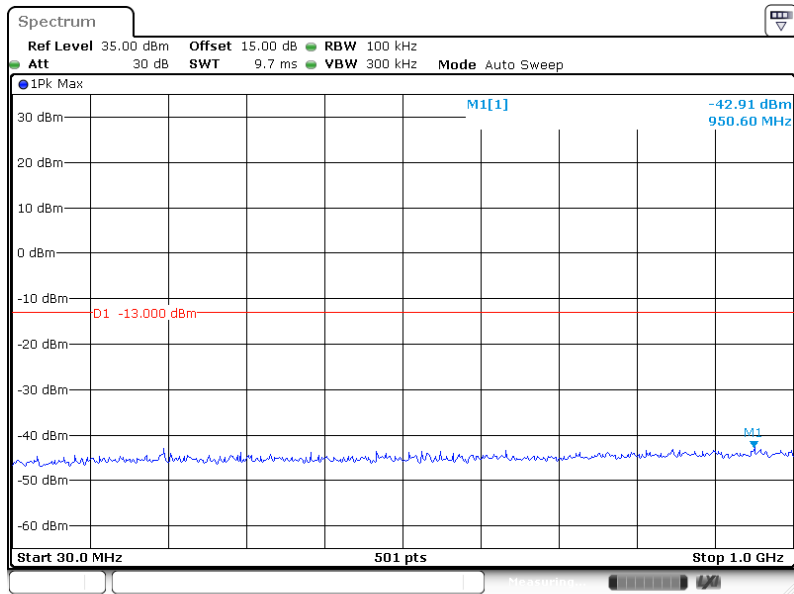
1 GHz – 20 GHz WCDMA (RMC) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY 2024 15:35:59

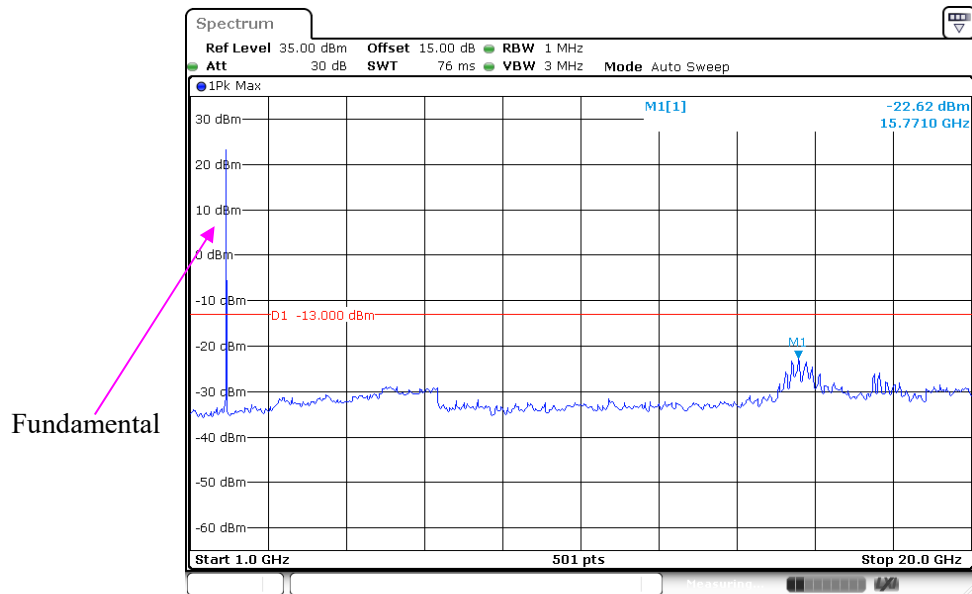
30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:26:03

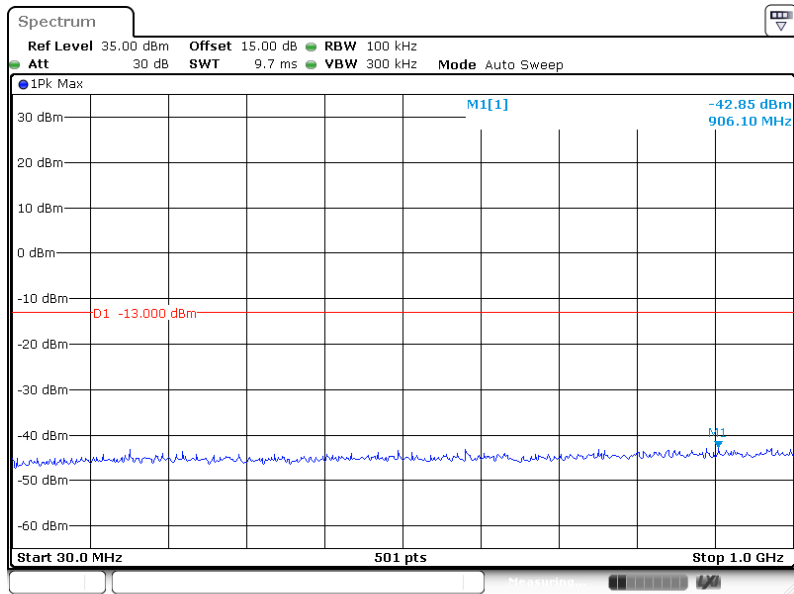
1 GHz – 20 GHz WCDMA (HSDPA) Mode, Middle channel



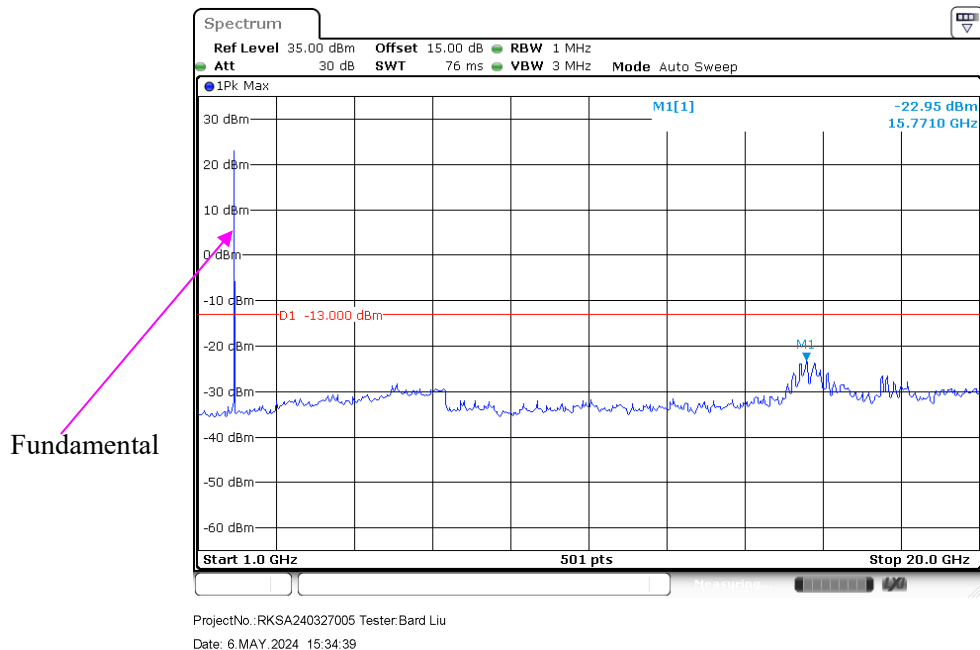
ProjectNo.:RKSA240327005 Tester:Bard Liu

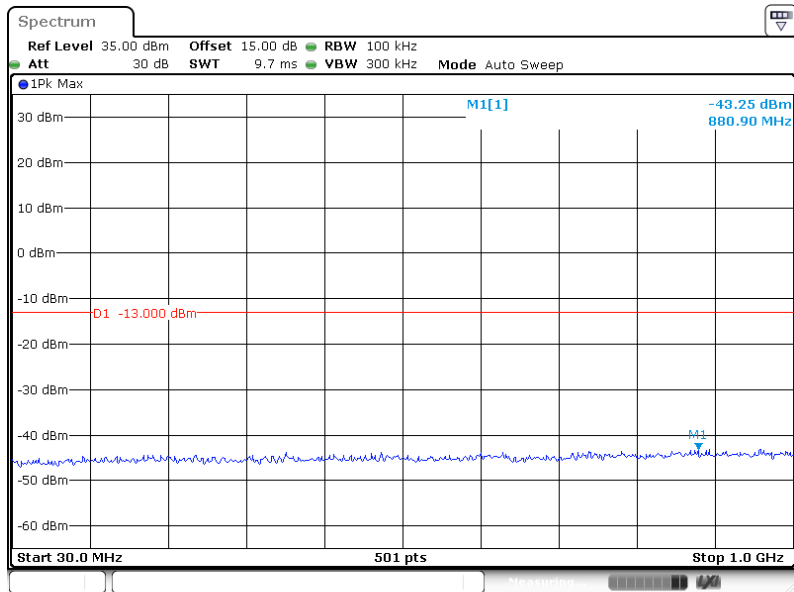
Date: 6 MAY. 2024 15:32:01

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



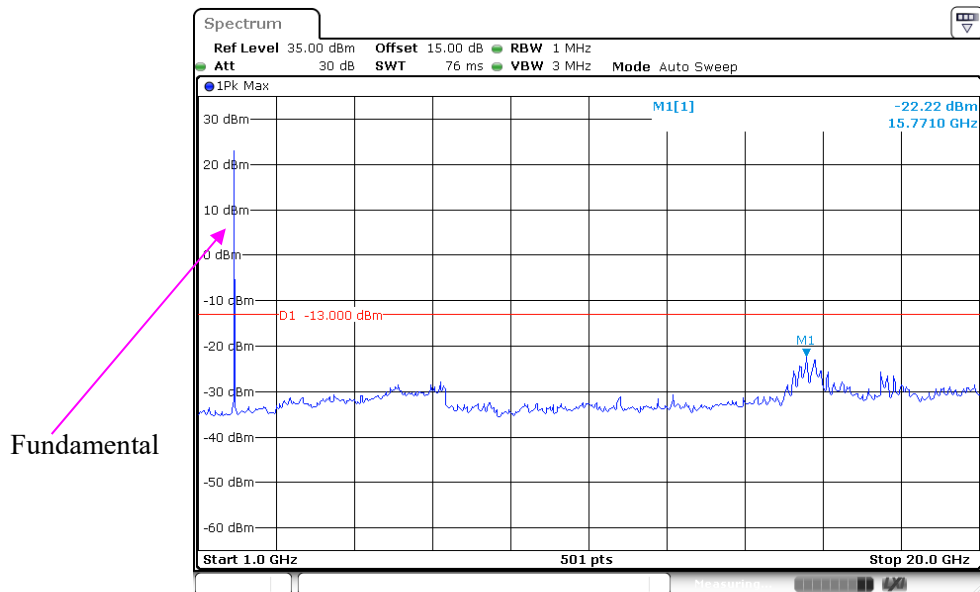
1 GHz – 20 GHz WCDMA (HSUPA) Mode, Middle channel



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

ProjectNo.:RKSA240327005 Tester:Bard Liu

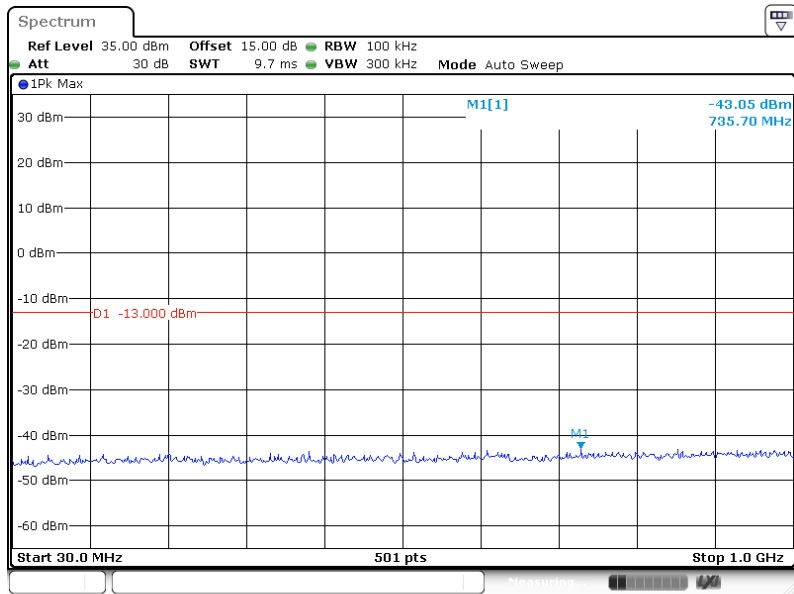
Date: 6 MAY. 2024 15:27:30

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

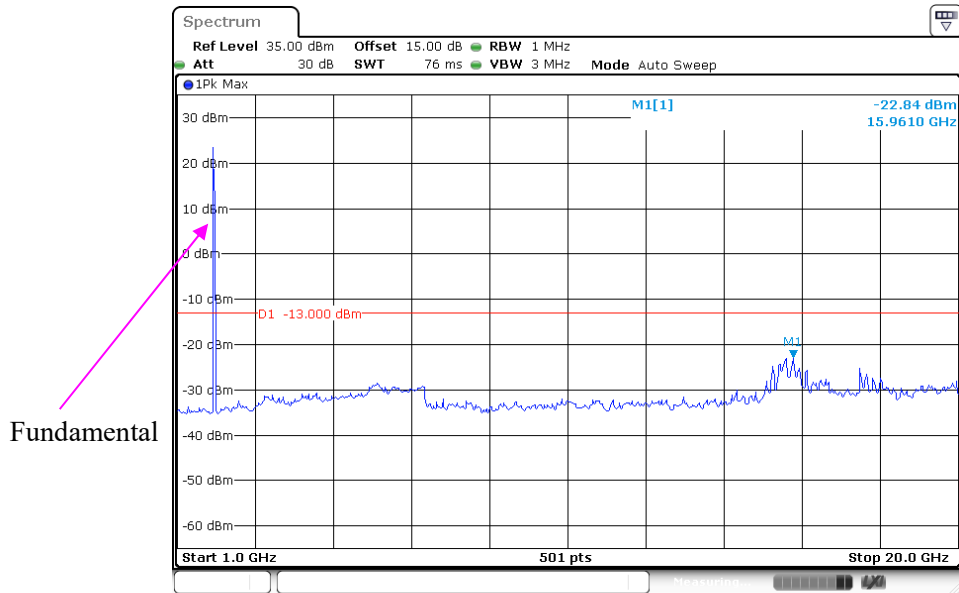
Date: 6 MAY. 2024 15:33:40

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

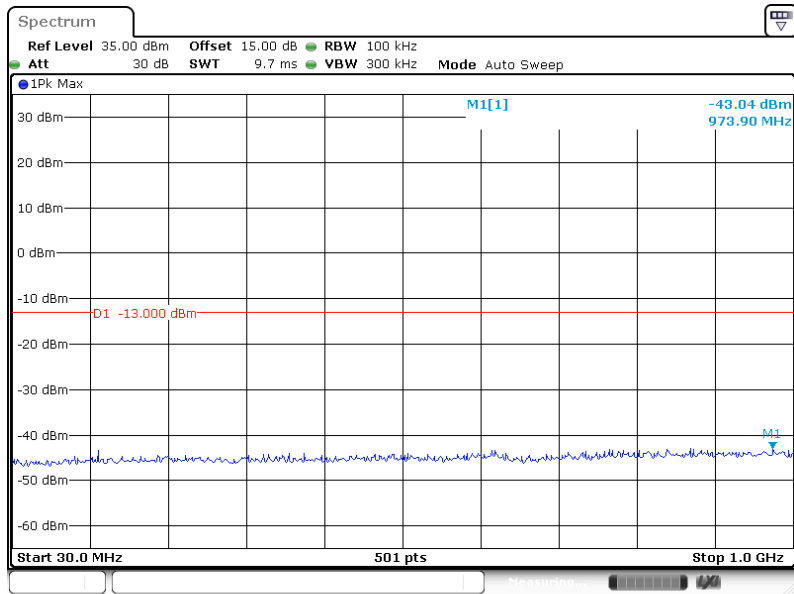


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 15:45:41

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

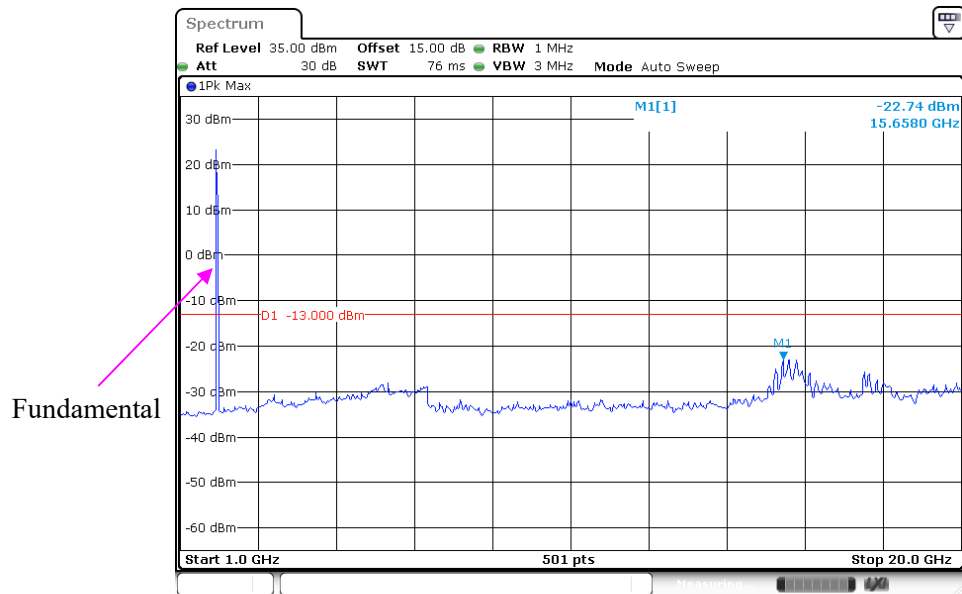


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 6 MAY. 2024 15:52:19

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

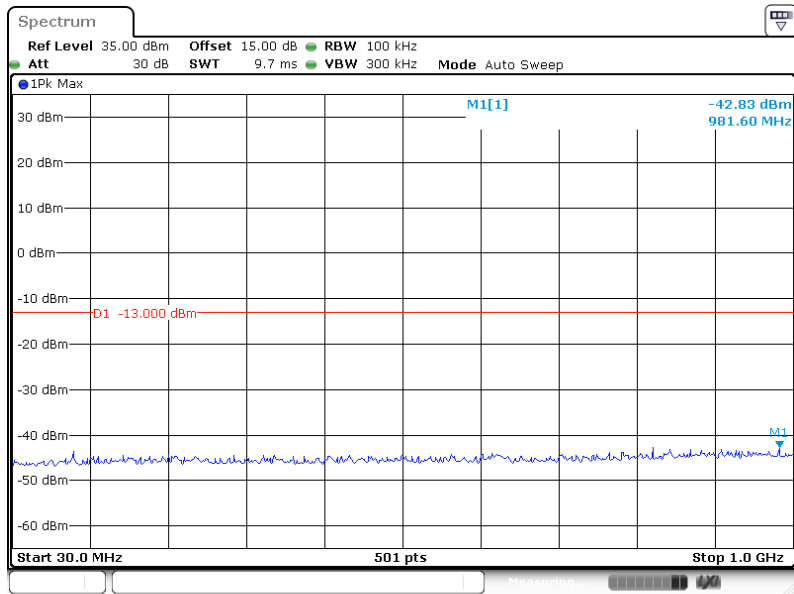
Date: 6 MAY. 2024 15:39:03

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:49:08

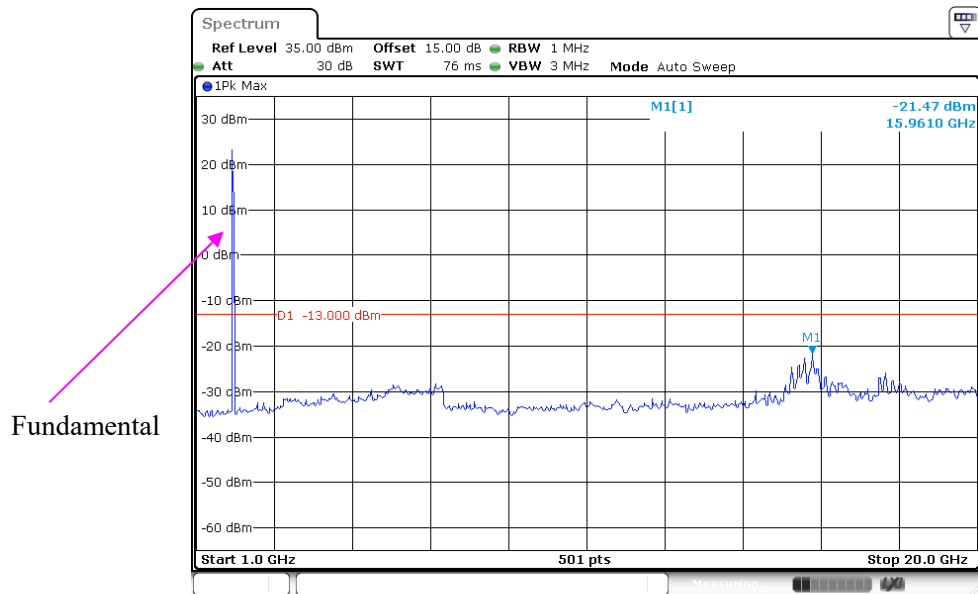
30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:46:32

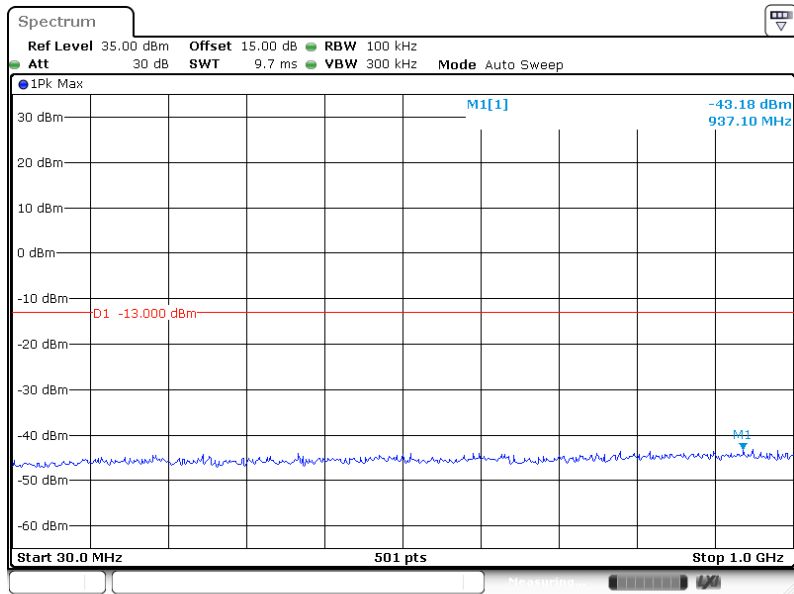
1 GHz – 20 GHz WCDMA (HSUPA) Mode, High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:53:39

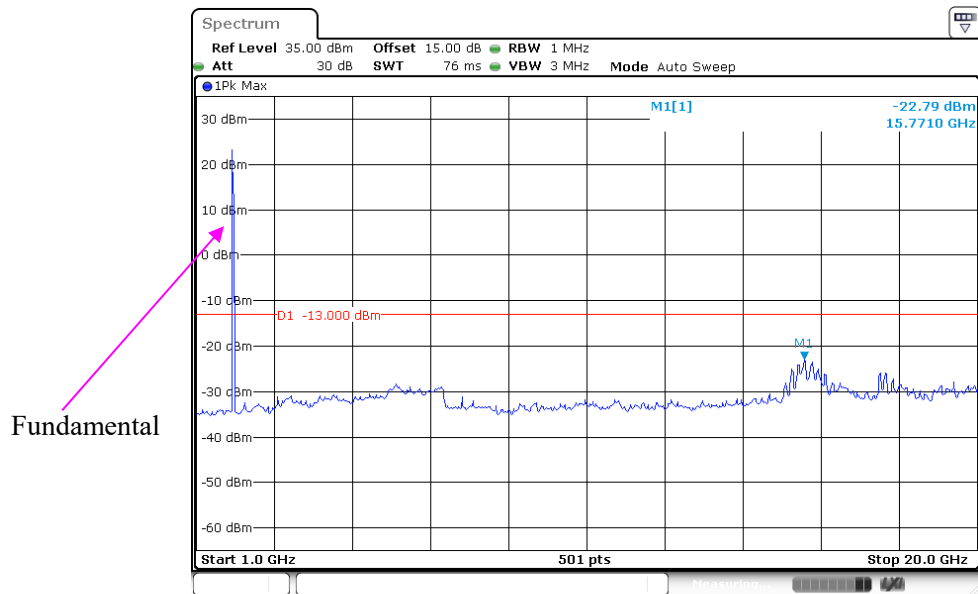
30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:44:36

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

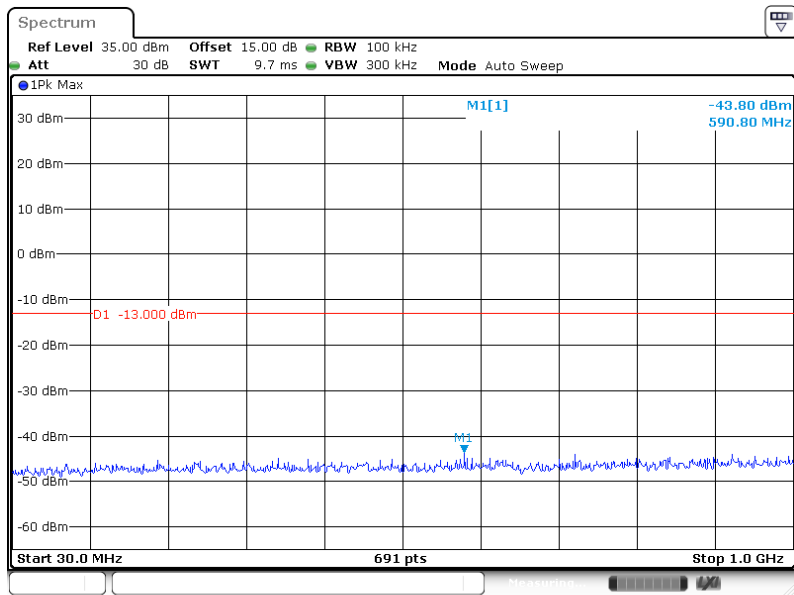


ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 15:50:57

WCDMA Band IV:

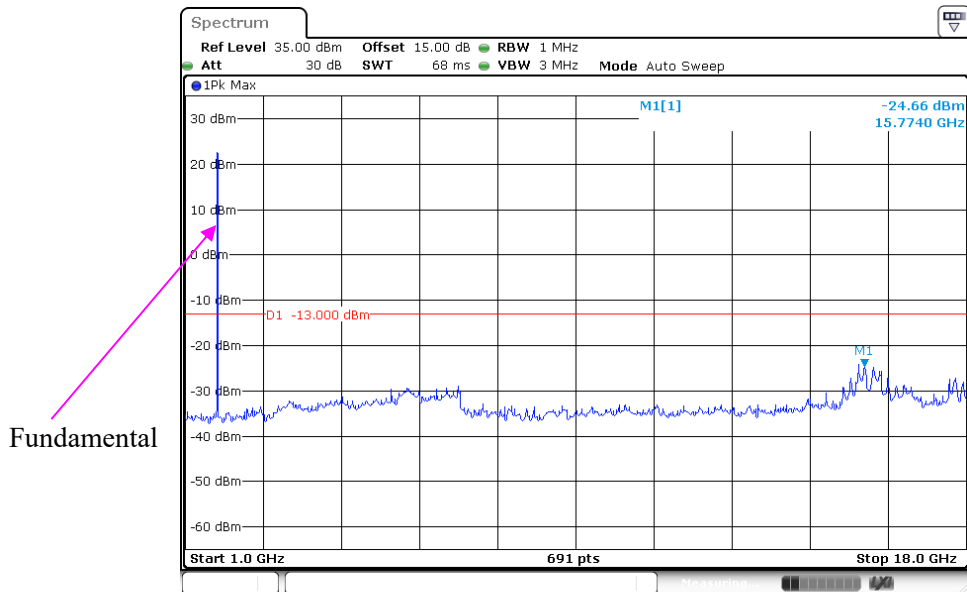
30 MHz – 1GHz WCDMA (RMC) Mode, Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:32:32

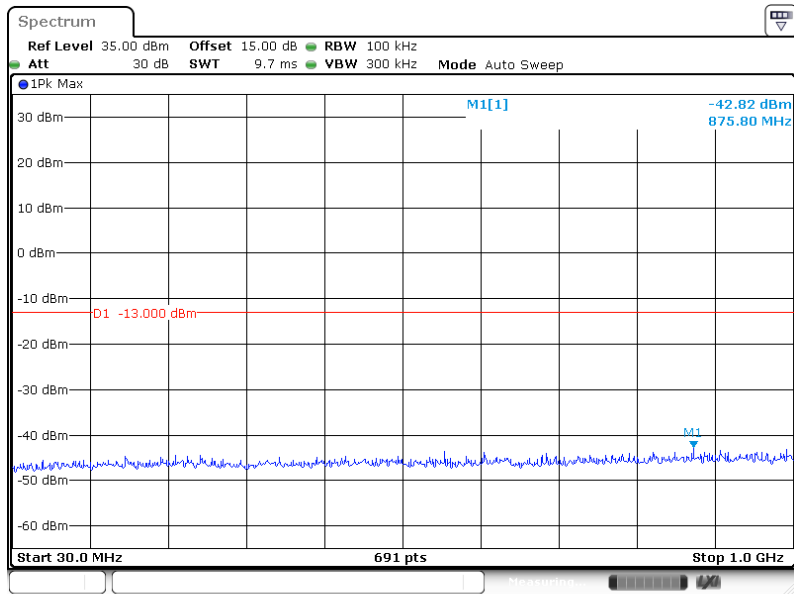
1 GHz – 18 GHz WCDMA (RMC) Mode, Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:42:08

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

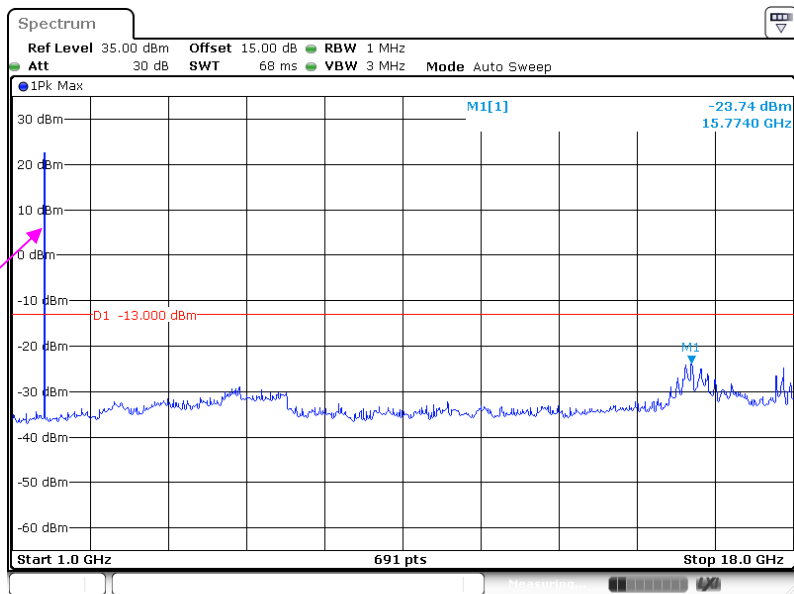


ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:31:23

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

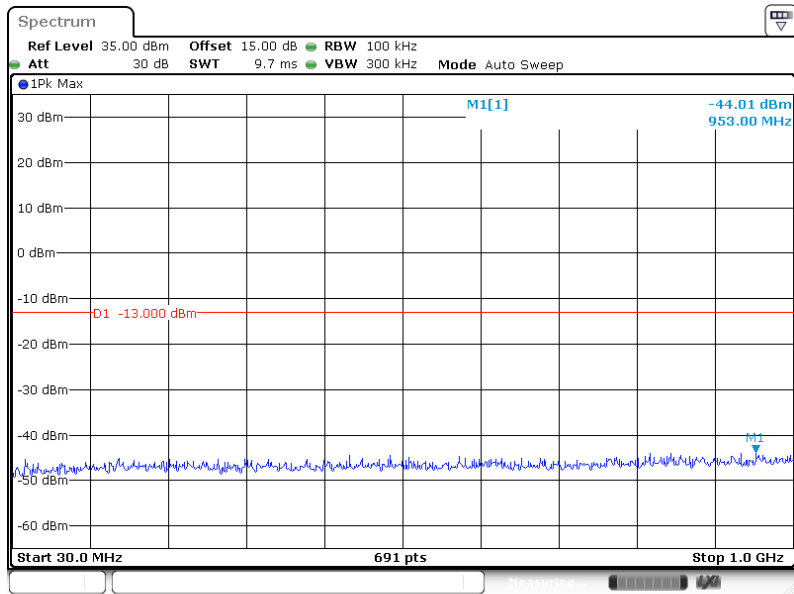
Fundamental



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:41:11

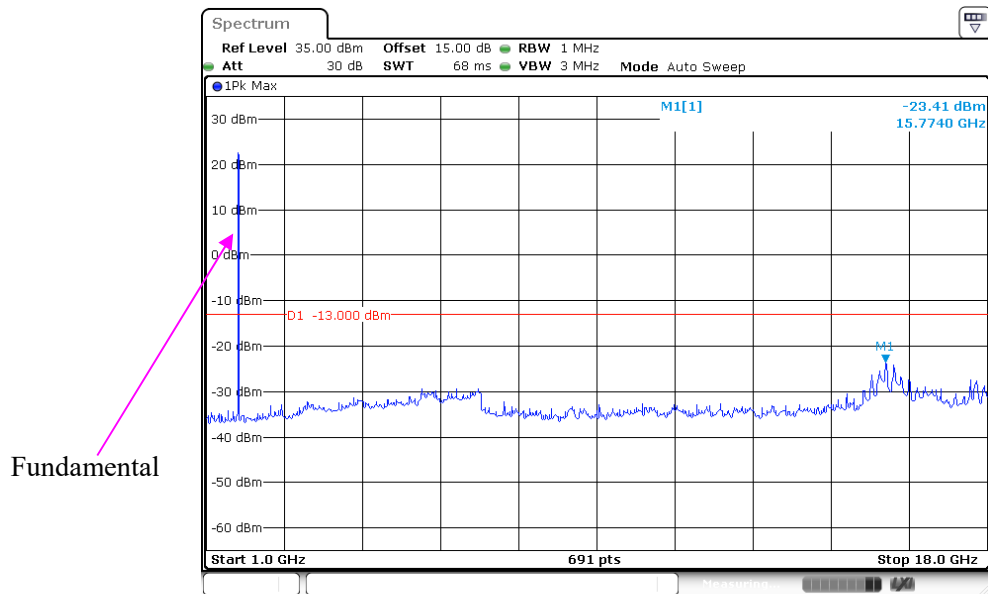
30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:32:51

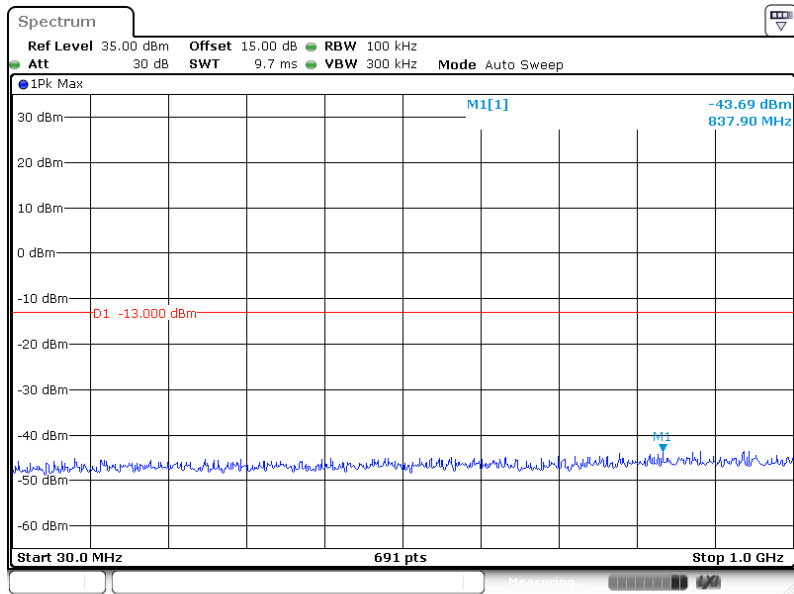
1 GHz – 18 GHz WCDMA (HSUPA) Mode, Low channel



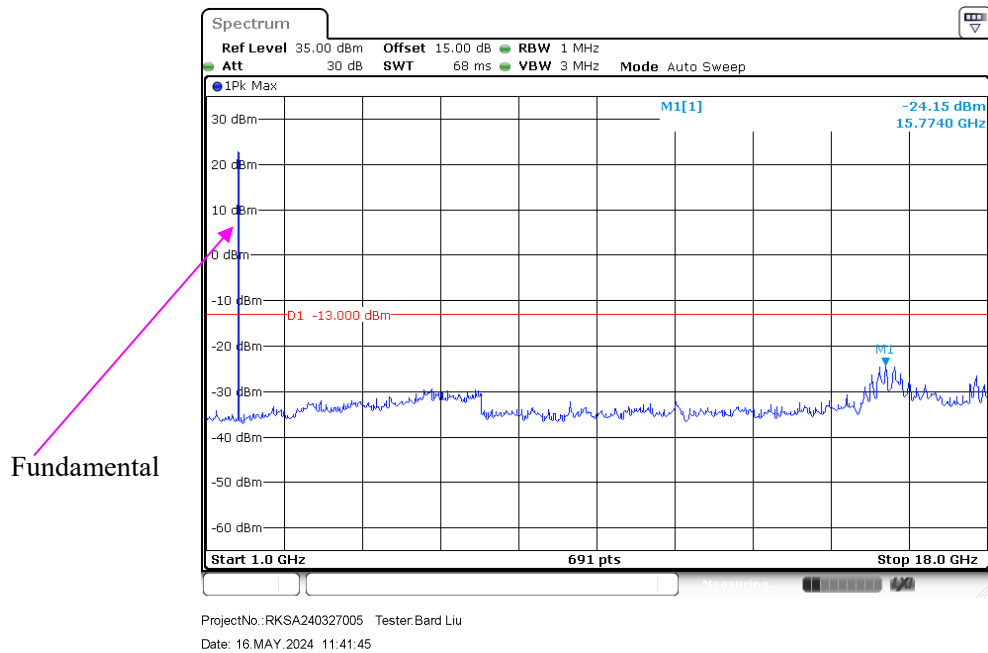
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16.MAY.2024 11:42:33

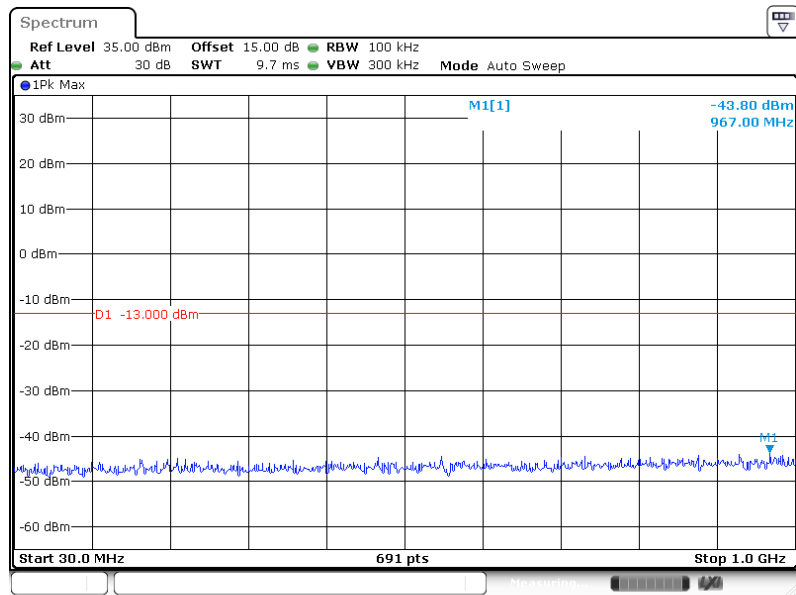
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel



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

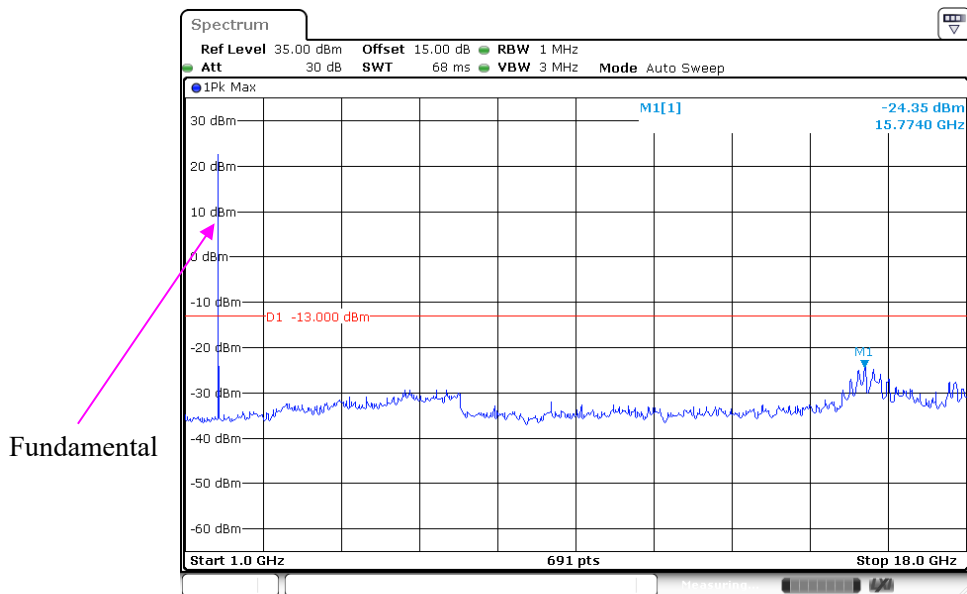


30 MHz – 1GHz WCDMA (RMC) Mode, Middle channel

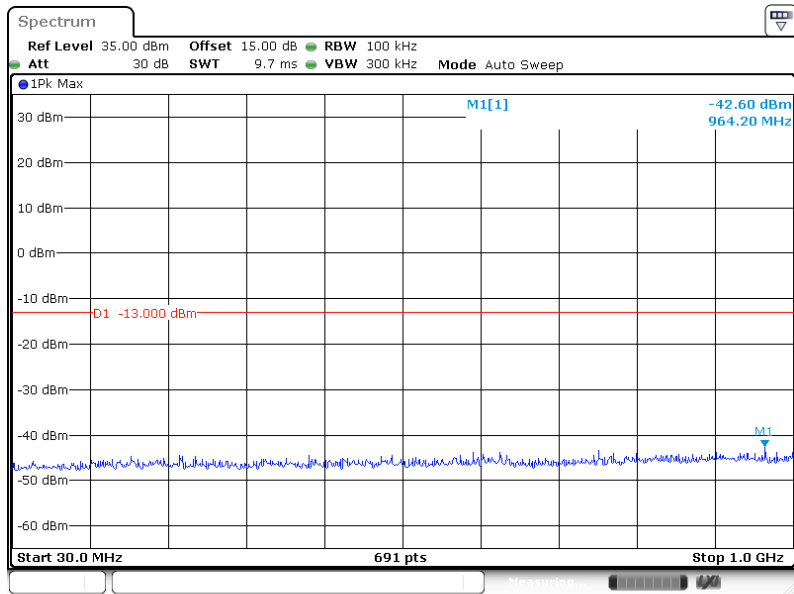


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:34:23

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

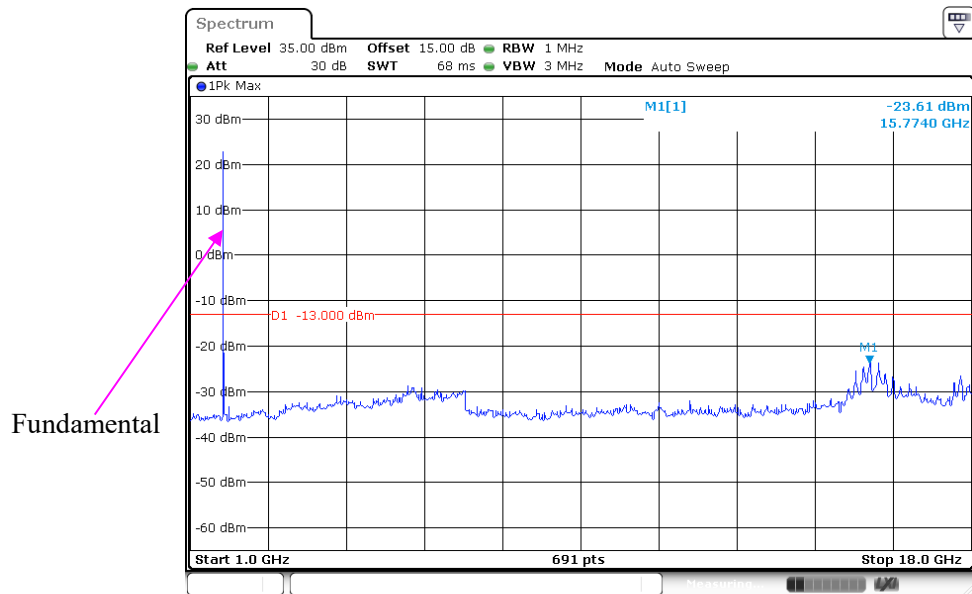


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:40:12

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

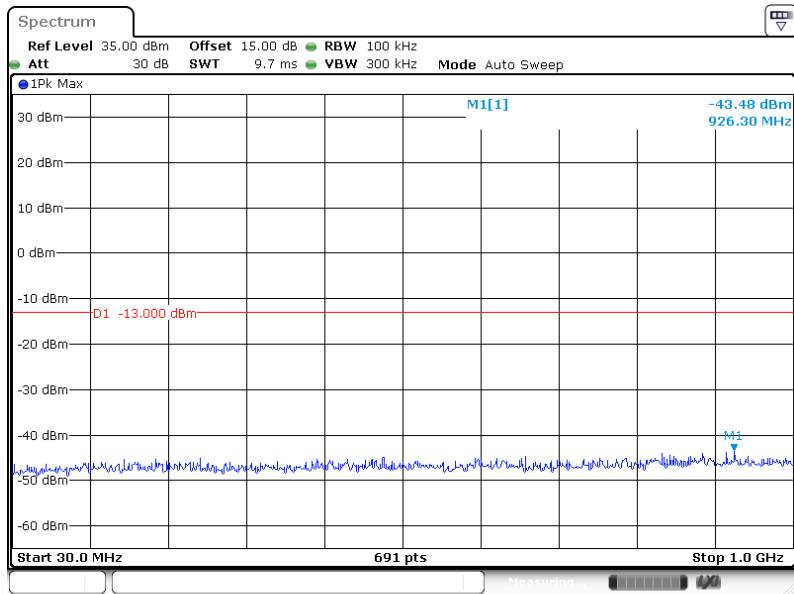
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:33:24

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

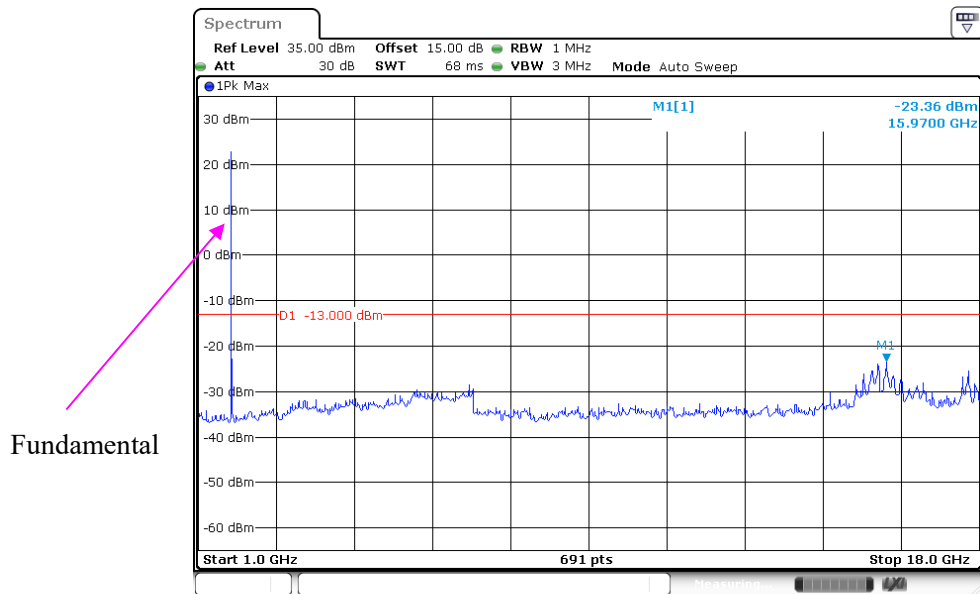
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:39:18

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

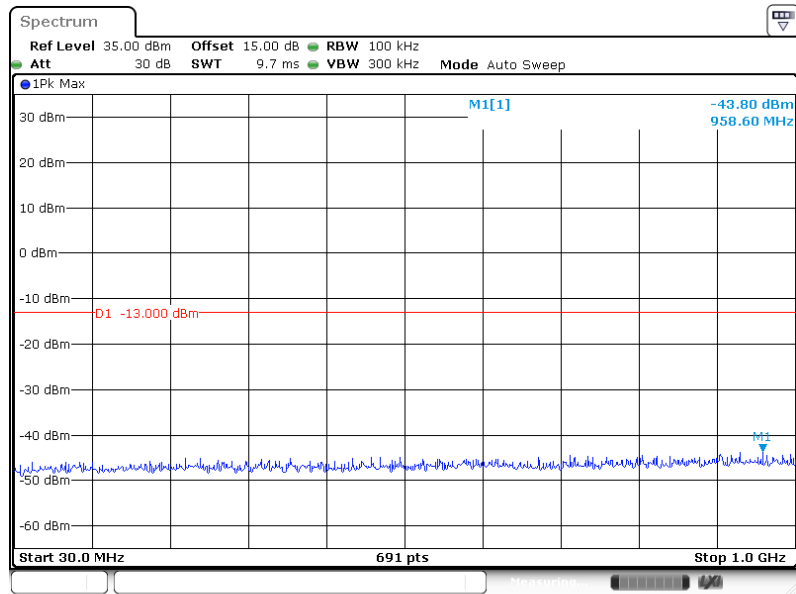
Date: 16 MAY.2024 11:34:43

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:40:34

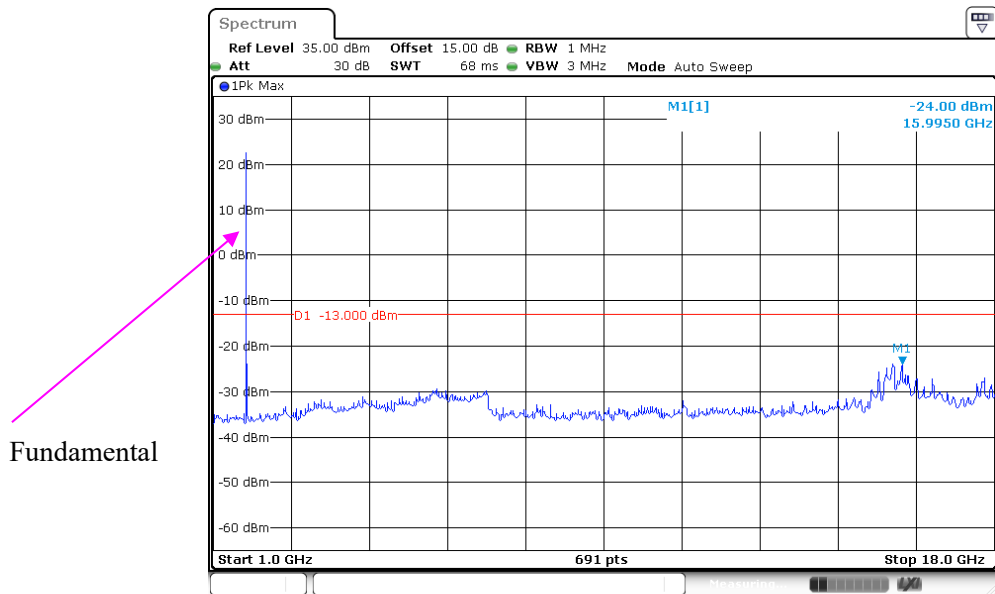
30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:33:55

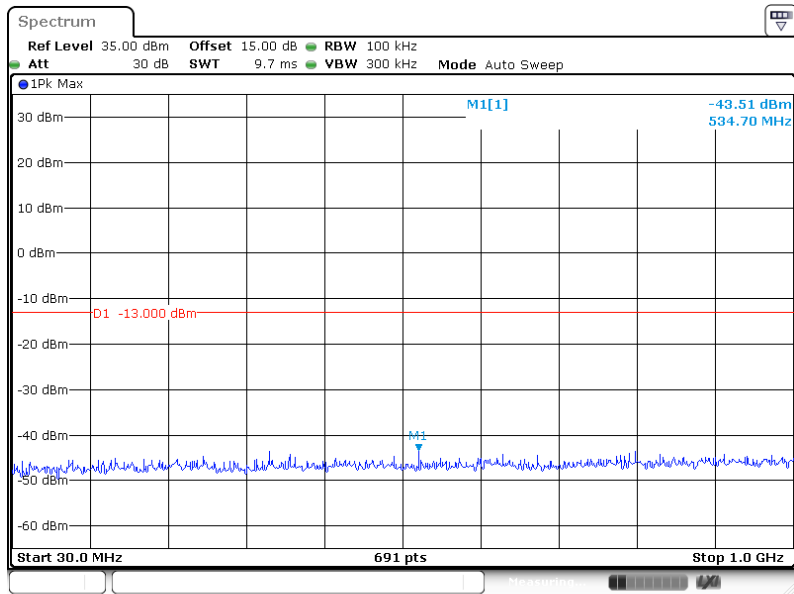
1 GHz – 18 GHz WCDMA (HSPA+) Mode, Middle channel



ProjectNo.:RKSA240327005 Tester:Bard Liu

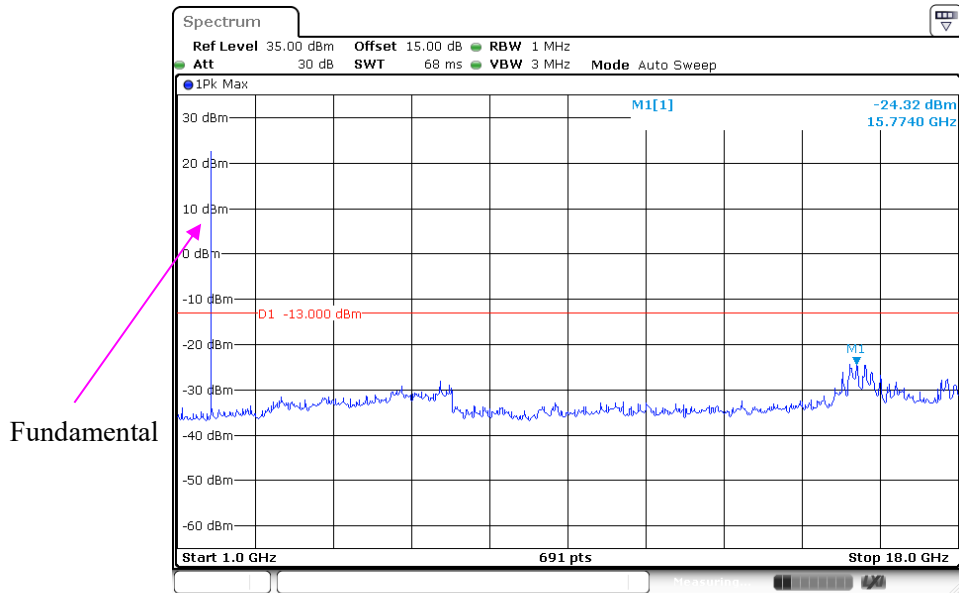
Date: 16 MAY.2024 11:39:44

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

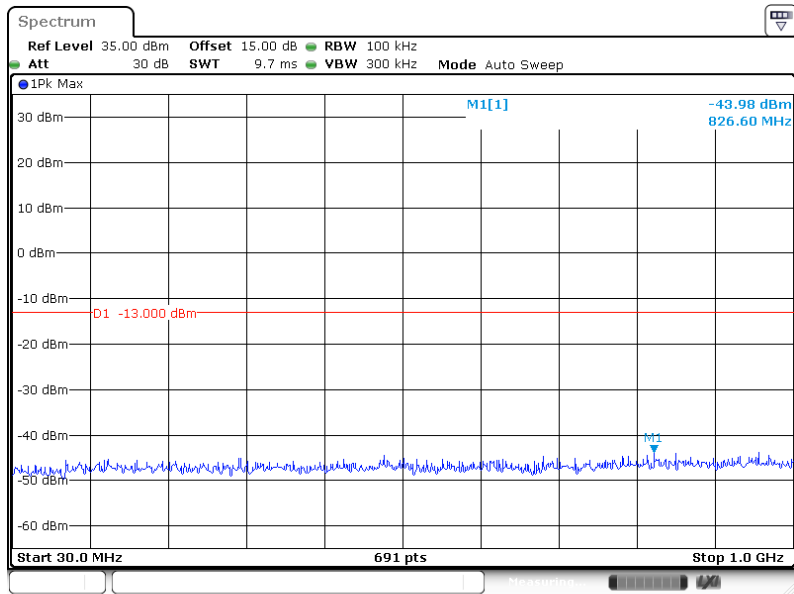


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:35:53

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

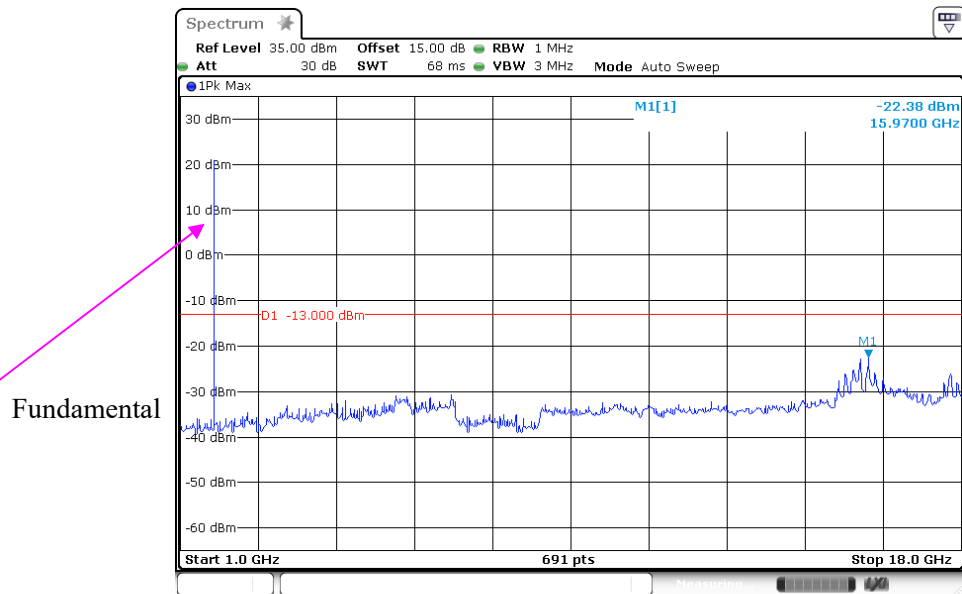


ProjectNo.:RKSA240327005 Tester:Bard Liu
Date: 16.MAY.2024 11:38:15

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

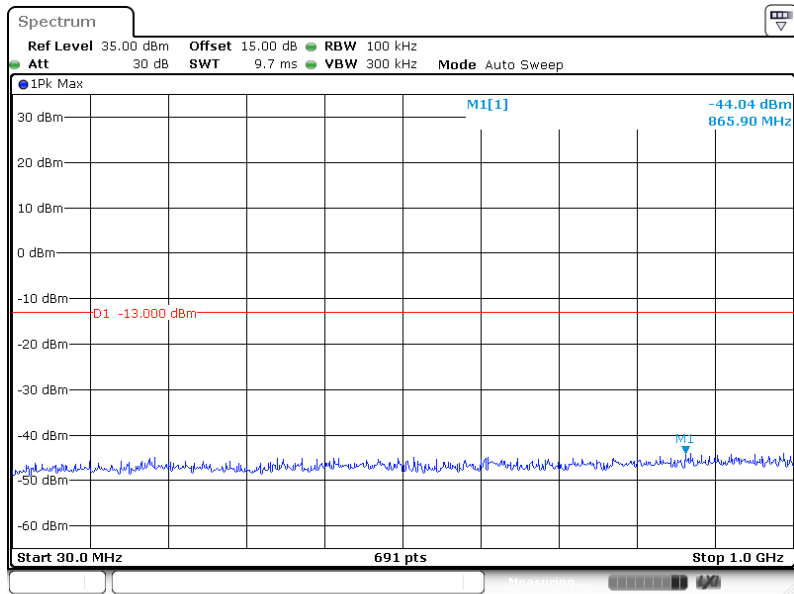
Date: 16 MAY.2024 11:35:18

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

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:37:20

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

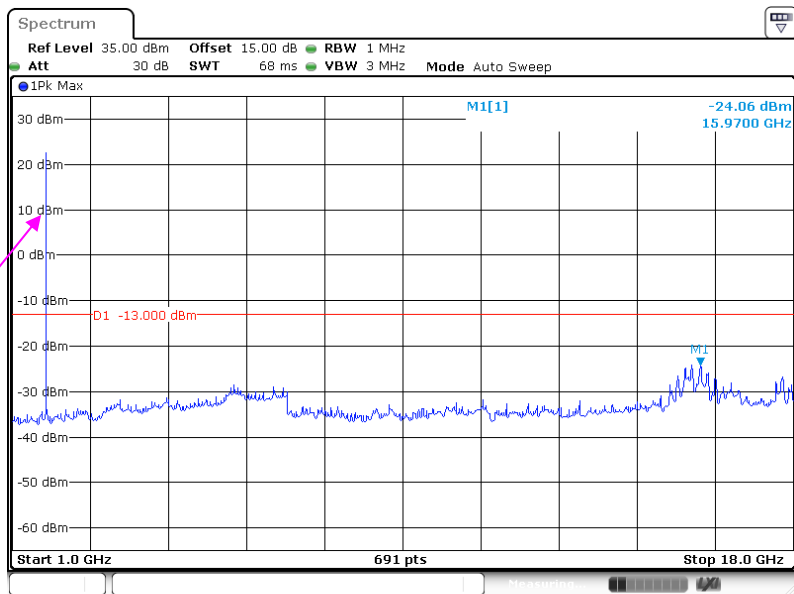


ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:36:08

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

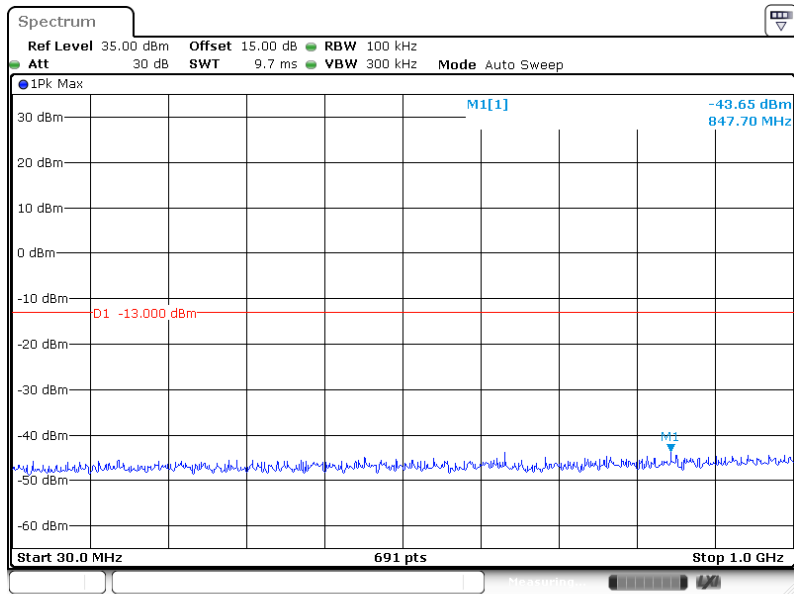
Fundamental



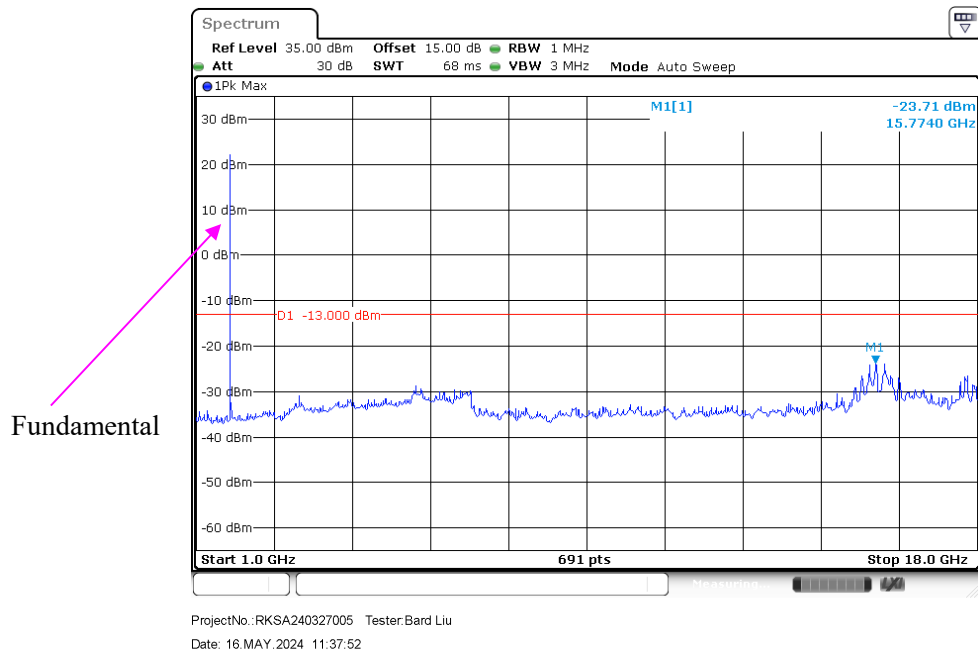
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:38:38

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



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



SPURIOUS RADIATED EMISSIONS

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)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
353.30	56.76	313	150	H	-51.47	0.49	-1.72	-53.68	-13	40.68
353.30	51.87	39	200	V	-52.30	0.49	-1.72	-54.51	-13	41.51
1648.40	62.50	167	100	H	-50.85	0.84	8.44	-43.25	-13	30.25
1648.40	61.86	24	150	V	-51.49	0.84	8.44	-43.89	-13	30.89
GPRS Mode, Middle channel										
353.30	57.79	130	100	H	-50.44	0.49	-1.72	-52.65	-13	39.65
353.30	53.03	323	100	V	-51.14	0.49	-1.72	-53.35	-13	40.35
1673.20	61.05	278	150	H	-52.12	0.84	8.48	-44.48	-13	31.48
1673.20	59.89	358	200	V	-53.28	0.84	8.48	-45.64	-13	32.64
GPRS Mode, High channel										
353.30	57.11	30	150	H	-51.12	0.49	-1.72	-53.33	-13	40.33
353.30	52.13	43	200	V	-52.04	0.49	-1.72	-54.25	-13	41.25
1697.60	60.74	310	200	H	-52.26	0.84	8.52	-44.58	-13	31.58
1697.60	60.12	242	200	V	-52.88	0.84	8.52	-45.20	-13	32.20

WCDMA Band V

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
368.40	56.91	81	150	H	-50.35	0.50	-1.60	-52.45	-13	39.45
368.40	52.67	251	200	V	-51.59	0.50	-1.60	-53.69	-13	40.69
1652.80	60.50	121	200	H	-52.81	0.84	8.44	-45.21	-13	32.21
1652.80	59.36	195	150	V	-53.95	0.84	8.44	-46.35	-13	33.35
WCDMA Mode, Middle channel										
368.40	56.52	256	100	H	-50.74	0.50	-1.60	-52.84	-13	39.84
368.40	52.68	38	150	V	-51.58	0.50	-1.60	-53.68	-13	40.68
1673.20	61.19	332	200	H	-51.98	0.84	8.48	-44.34	-13	31.34
1673.20	59.32	63	150	V	-53.85	0.84	8.48	-46.21	-13	33.21
WCDMA Mode, High channel										
368.40	56.25	340	100	H	-51.01	0.50	-1.60	-53.11	-13	40.11
368.40	51.82	272	100	V	-52.44	0.50	-1.60	-54.54	-13	41.54
1693.20	59.51	34	150	H	-53.52	0.84	8.51	-45.85	-13	32.85
1693.20	59.04	130	200	V	-53.99	0.84	8.51	-46.32	-13	33.32

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

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
274.30	53.20	336	100	H	-51.04	0.45	-2.20	-53.69	-13	40.69
274.30	55.31	191	150	V	-52.61	0.45	-2.20	-55.26	-13	42.26
3700.40	58.90	315	150	H	-48.07	0.95	9.78	-39.24	-13	26.24
3700.40	57.57	355	100	V	-49.40	0.95	9.78	-40.57	-13	27.57
GPRS Mode, Middle channel										
274.30	53.75	300	100	H	-50.49	0.45	-2.20	-53.14	-13	40.14
274.30	56.00	162	200	V	-51.92	0.45	-2.20	-54.57	-13	41.57
3760.00	57.64	264	200	H	-49.14	0.95	9.74	-40.35	-13	27.35
3760.00	56.82	179	150	V	-49.96	0.95	9.74	-41.17	-13	28.17
GPRS Mode, High channel										
274.30	54.48	174	200	H	-49.76	0.45	-2.20	-52.41	-13	39.41
274.30	56.94	288	200	V	-50.98	0.45	-2.20	-53.63	-13	40.63
3819.60	56.37	172	150	H	-50.22	0.96	9.71	-41.47	-13	28.47
3819.60	55.52	310	100	V	-51.07	0.96	9.71	-42.32	-13	29.32

WCDMA Band II

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
283.50	56.61	202	150	H	-48.70	0.45	-2.18	-51.33	-13	38.33
283.50	55.62	40	200	V	-51.62	0.45	-2.18	-54.25	-13	41.25
3704.80	59.43	80	200	H	-47.52	0.95	9.78	-38.69	-13	25.69
3704.80	57.88	99	100	V	-49.07	0.95	9.78	-40.24	-13	27.24
WCDMA Mode, Middle channel										
283.50	57.53	231	150	H	-47.78	0.45	-2.18	-50.41	-13	37.41
283.50	56.13	281	200	V	-51.11	0.45	-2.18	-53.74	-13	40.74
3760.00	58.45	288	100	H	-48.33	0.95	9.74	-39.54	-13	26.54
3760.00	57.45	118	200	V	-49.33	0.95	9.74	-40.54	-13	27.54
WCDMA Mode, High channel										
283.50	56.15	257	100	H	-49.16	0.45	-2.18	-51.79	-13	38.79
283.50	57.53	218	150	V	-49.71	0.45	-2.18	-52.34	-13	39.34
3815.20	57.38	221	150	H	-49.22	0.96	9.71	-40.47	-13	27.47
3815.20	56.37	191	150	V	-50.23	0.96	9.71	-41.48	-13	28.48

WCDMA Band IV

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel										
323.70	61.95	85	100	H	-48.02	0.47	-1.96	-50.45	-13	37.45
323.70	55.94	206	200	V	-49.20	0.47	-1.96	-51.63	-13	38.63
3424.80	60.78	151	200	H	-47.14	0.93	9.83	-38.24	-13	25.24
3424.80	59.37	115	150	V	-48.55	0.93	9.83	-39.65	-13	26.65
Middle channel										
323.70	61.62	50	150	H	-48.35	0.47	-1.96	-50.78	-13	37.78
323.70	56.12	222	200	V	-49.02	0.47	-1.96	-51.45	-13	38.45
3465.20	60.67	313	200	H	-47.08	0.93	9.87	-38.14	-13	25.14
3465.20	59.48	192	150	V	-48.27	0.93	9.87	-39.33	-13	26.33
High channel										
323.70	62.14	190	100	H	-47.83	0.47	-1.96	-50.26	-13	37.26
323.70	56.10	174	150	V	-49.04	0.47	-1.96	-51.47	-13	38.47
3505.20	59.24	100	200	H	-48.34	0.93	9.90	-39.37	-13	26.37
3505.20	58.35	248	150	V	-49.23	0.93	9.90	-40.26	-13	27.26

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)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
209.50	58.62	40	100	H	-46.21	0.42	-3.63	-50.26	-13	37.26
209.50	58.43	289	100	V	-47.53	0.42	-3.63	-51.58	-13	38.58
1649.40	66.39	54	200	H	-46.95	0.84	8.44	-39.35	-13	26.35
1649.40	65.54	193	150	V	-47.80	0.84	8.44	-40.20	-13	27.20
QPSK 1.4MHz Bandwidth Middle Channel										
209.50	58.11	205	100	H	-46.72	0.42	-3.63	-50.77	-13	37.77
209.50	58.32	239	150	V	-47.64	0.42	-3.63	-51.69	-13	38.69
1673.00	67.17	207	150	H	-46.00	0.84	8.48	-38.36	-13	25.36
1673.00	65.96	37	200	V	-47.21	0.84	8.48	-39.57	-13	26.57
QPSK 1.4MHz Bandwidth High Channel										
209.50	58.60	77	150	H	-46.23	0.42	-3.63	-50.28	-13	37.28
209.50	58.38	107	150	V	-47.58	0.42	-3.63	-51.63	-13	38.63
1696.60	68.05	177	150	H	-44.96	0.84	8.52	-37.28	-13	24.28
1696.60	66.92	165	200	V	-46.09	0.84	8.52	-38.41	-13	25.41

LTE Band 12:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
347.40	62.06	228	100	H	-46.32	0.49	-1.77	-48.58	-13	35.58
347.40	56.17	270	100	V	-48.08	0.49	-1.77	-50.34	-13	37.34
1399.40	67.49	300	200	H	-46.68	0.82	7.92	-39.58	-13	26.58
1399.40	66.53	211	100	V	-47.64	0.82	7.92	-40.54	-13	27.54
QPSK 1.4MHz Bandwidth Middle Channel										
347.40	63.28	159	200	H	-45.10	0.49	-1.77	-47.36	-13	34.36
347.40	58.26	353	150	V	-45.99	0.49	-1.77	-48.25	-13	35.25
1415.00	67.53	158	200	H	-46.67	0.82	7.96	-39.53	-13	26.53
1415.00	66.82	349	100	V	-47.38	0.82	7.96	-40.24	-13	27.24
QPSK 1.4MHz Bandwidth High Channel										
347.40	62.47	327	100	H	-45.91	0.49	-1.77	-48.17	-13	35.17
347.40	56.88	212	150	V	-47.37	0.49	-1.77	-49.63	-13	36.63
1430.60	66.51	137	100	H	-47.72	0.82	8.01	-40.53	-13	27.53
1430.60	65.17	73	200	V	-49.06	0.82	8.01	-41.87	-13	28.87

LTE Band 13:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
348.50	65.75	200	150	H	-47.10	0.49	-1.76	-49.35	-13	36.35
348.50	55.59	69	100	V	-48.62	0.49	-1.76	-50.87	-13	37.87
1559.00	63.15	159	150	H	-50.81	0.83	8.29	-43.35	-40	3.35
1559.00	61.54	217	200	V	-52.42	0.83	8.29	-44.96	-40	4.96
QPSK 5MHz Bandwidth Middle Channel										
348.50	65.41	167	150	H	-47.44	0.49	-1.76	-49.69	-13	36.69
348.50	55.92	43	100	V	-48.29	0.49	-1.76	-50.54	-13	37.54
1564.00	65.26	252	150	H	-48.67	0.83	8.30	-41.20	-40	1.20
1564.00	62.91	298	150	V	-51.02	0.83	8.30	-43.55	-40	3.55
QPSK 5MHz Bandwidth High Channel										
348.50	65.96	91	100	H	-46.89	0.49	-1.76	-49.14	-13	36.14
348.50	54.92	211	200	V	-49.29	0.49	-1.76	-51.54	-13	38.54
1569.00	66.17	345	100	H	-47.72	0.83	8.31	-40.24	-40	0.24
1569.00	63.23	167	100	V	-50.66	0.83	8.31	-43.18	-40	3.18

LTE Band 17:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
344.70	62.44	155	100	H	-49.97	0.49	-1.79	-52.25	-13	39.25
344.70	52.89	15	100	V	-51.46	0.49	-1.79	-53.74	-13	40.74
1413.00	63.41	322	150	H	-50.79	0.82	7.96	-43.65	-13	30.65
1413.00	62.48	150	200	V	-51.72	0.82	7.96	-44.58	-13	31.58
QPSK 5MHz Bandwidth Middle Channel										
344.70	61.22	339	200	H	-51.19	0.49	-1.79	-53.47	-13	40.47
344.70	51.76	165	150	V	-52.59	0.49	-1.79	-54.87	-13	41.87
1420.00	65.47	279	100	H	-48.74	0.82	7.98	-41.58	-13	28.58
1420.00	63.74	88	150	V	-50.47	0.82	7.98	-43.31	-13	30.31
QPSK 5MHz Bandwidth High Channel										
344.70	63.00	198	200	H	-49.41	0.49	-1.79	-51.69	-13	38.69
344.70	53.09	148	150	V	-51.26	0.49	-1.79	-53.54	-13	40.54
1427.00	65.99	279	150	H	-48.23	0.82	8.00	-41.05	-13	28.05
1427.00	63.36	271	150	V	-50.86	0.82	8.00	-43.68	-13	30.68

LTE Band 26:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
353.50	60.77	135	200	H	-52.66	0.49	-1.72	-54.87	-13	41.87
353.50	50.17	219	200	V	-54.00	0.49	-1.72	-56.21	-13	43.21
1629.40	64.53	278	200	H	-48.95	0.84	8.41	-41.38	-13	28.38
1629.40	62.27	329	150	V	-51.21	0.84	8.41	-43.64	-13	30.64
QPSK 1.4MHz Bandwidth Middle Channel										
353.50	60.01	110	150	H	-53.42	0.49	-1.72	-55.63	-13	42.63
353.50	49.64	328	100	V	-54.53	0.49	-1.72	-56.74	-13	43.74
1663.00	63.05	1	100	H	-50.19	0.84	8.46	-42.57	-13	29.57
1663.00	61.74	56	100	V	-51.50	0.84	8.46	-43.88	-13	30.88
QPSK 1.4MHz Bandwidth High Channel										
353.50	62.29	178	200	H	-51.14	0.49	-1.72	-53.35	-13	40.35
353.50	52.10	38	100	V	-52.07	0.49	-1.72	-54.28	-13	41.28
1696.60	61.13	77	150	H	-51.88	0.84	8.51	-44.21	-13	31.21
1696.60	58.60	61	200	V	-54.41	0.84	8.51	-46.74	-13	33.74

LTE Band 71:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
341.80	60.69	194	200	H	-51.38	0.49	-1.82	-53.69	-13	40.69
341.80	52.56	186	100	V	-51.90	0.49	-1.82	-54.21	-13	41.21
1629.40	65.66	269	100	H	-47.82	0.84	8.41	-40.25	-13	27.25
1629.40	63.95	245	100	V	-49.53	0.84	8.41	-41.96	-13	28.96
QPSK 1.4MHz Bandwidth Middle Channel										
341.80	61.04	358	100	H	-51.03	0.49	-1.82	-53.34	-13	40.34
341.80	51.90	89	100	V	-52.56	0.49	-1.82	-54.87	-13	41.87
1663.00	64.08	42	150	H	-49.16	0.84	8.46	-41.54	-13	28.54
1663.00	62.32	208	150	V	-50.92	0.84	8.46	-43.30	-13	30.30
QPSK 1.4MHz Bandwidth High Channel										
341.80	60.97	171	200	H	-51.10	0.49	-1.82	-53.41	-13	40.41
341.80	52.02	141	100	V	-52.44	0.49	-1.82	-54.75	-13	41.75
1696.60	62.87	345	100	H	-50.14	0.84	8.51	-42.47	-13	29.47
1696.60	61.78	206	200	V	-51.23	0.84	8.51	-43.56	-13	30.56

30 MHz ~ 20 GHz:**LTE Band 2:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
314.50	62.66	8	100	H	-46.24	0.17	-2.13	-48.54	-13	35.54
314.50	58.42	166	100	V	-47.06	0.17	-2.13	-49.36	-13	36.36
3701.40	55.72	171	200	H	-51.24	0.95	9.78	-42.41	-13	29.41
3701.40	53.45	162	100	V	-53.51	0.95	9.78	-44.68	-13	31.68
QPSK 1.4MHz Bandwidth Middle Channel										
314.50	63.06	254	150	H	-45.84	0.17	-2.13	-48.14	-13	35.14
314.50	58.27	26	150	V	-47.21	0.17	-2.13	-49.51	-13	36.51
3760.00	55.47	342	200	H	-51.31	0.95	9.74	-42.52	-13	29.52
3760.00	54.12	36	200	V	-52.66	0.95	9.74	-43.87	-13	30.87
QPSK 1.4MHz Bandwidth High Channel										
257.80	63.66	272	200	H	-45.24	0.17	-2.13	-47.54	-13	34.54
257.80	59.64	310	100	V	-45.84	0.17	-2.13	-48.14	-13	35.14
3818.60	61.02	293	100	H	-50.52	0.85	8.85	-42.52	-13	29.52
3818.60	59.85	334	200	V	-51.69	0.85	8.85	-43.69	-13	30.69

LTE Band 4:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
279.60	58.24	48	200	H	-46.61	0.45	-2.19	-49.25	-13	36.25
279.60	58.81	188	150	V	-48.72	0.45	-2.19	-51.36	-13	38.36
3421.40	56.40	255	150	H	-51.54	0.93	9.82	-42.65	-13	29.65
3421.40	54.84	51	100	V	-53.10	0.93	9.82	-44.21	-13	31.21
QPSK 1.4MHz Bandwidth Middle Channel										
279.60	59.24	135	100	H	-45.61	0.45	-2.19	-48.25	-13	35.25
279.60	63.60	115	200	V	-43.93	0.37	-6.05	-50.35	-13	37.35
3465.00	55.10	302	200	H	-52.65	0.93	9.87	-43.71	-13	30.71
3465.00	55.24	54	100	V	-52.51	0.93	9.87	-43.57	-13	30.57
QPSK 1.4MHz Bandwidth High Channel										
279.60	58.01	217	150	H	-46.84	0.45	-2.19	-49.48	-13	36.48
279.60	59.86	96	100	V	-47.67	0.45	-2.19	-50.31	-13	37.31
3508.60	57.14	154	100	H	-50.43	0.93	9.89	-41.47	-13	28.47
3508.60	55.23	73	200	V	-52.34	0.93	9.89	-43.38	-13	30.38

LTE Band 25:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
295.31	61.94	304	150	H	-44.74	0.46	-2.16	-47.36	-13	34.36
295.31	59.85	66	200	V	-46.52	0.46	-2.16	-49.14	-13	36.14
3701.40	59.59	324	100	H	-47.37	0.95	9.78	-38.54	-13	25.54
3701.40	57.90	212	150	V	-49.06	0.95	9.78	-40.23	-13	27.23
QPSK 1.4MHz Bandwidth Middle Channel										
295.31	60.78	341	150	H	-45.90	0.46	-2.16	-48.52	-13	35.52
295.31	59.01	320	150	V	-47.36	0.46	-2.16	-49.98	-13	36.98
3760.00	59.25	277	200	H	-47.53	0.95	9.74	-38.74	-13	25.74
3760.00	57.01	72	150	V	-49.77	0.95	9.74	-40.98	-13	27.98
QPSK 1.4MHz Bandwidth High Channel										
295.31	60.03	325	200	H	-46.65	0.46	-2.16	-49.27	-13	36.27
295.31	58.14	149	200	V	-48.23	0.46	-2.16	-50.85	-13	37.85
3828.60	58.35	185	100	H	-48.21	0.96	9.70	-39.47	-13	26.47
3828.60	57.13	341	100	V	-49.43	0.96	9.70	-40.69	-13	27.69

LTE Band 66:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
304.80	60.10	319	200	H	-47.68	0.46	-2.11	-50.25	-13	37.25
304.80	56.93	187	200	V	-48.92	0.46	-2.11	-51.49	-13	38.49
3421.40	53.93	352	100	H	-53.92	0.92	9.95	-44.89	-13	31.89
3421.40	53.41	234	200	V	-54.44	0.92	9.95	-45.41	-13	32.41
QPSK 1.4MHz Bandwidth Middle Channel										
304.80	59.48	255	100	H	-48.30	0.46	-2.11	-50.87	-13	37.87
304.80	56.68	148	200	V	-49.17	0.46	-2.11	-51.74	-13	38.74
3490.00	54.40	317	200	H	-53.23	0.93	9.91	-44.25	-13	31.25
3490.00	52.96	200	200	V	-54.67	0.93	9.91	-45.69	-13	32.69
QPSK 1.4MHz Bandwidth High Channel										
304.80	59.98	197	150	H	-47.80	0.46	-2.11	-50.37	-13	37.37
304.80	56.89	217	150	V	-48.96	0.46	-2.11	-51.53	-13	38.53
3558.60	56.12	291	150	H	-51.30	0.93	9.87	-42.36	-13	29.36
3558.60	54.64	255	150	V	-52.78	0.93	9.87	-43.84	-13	30.84

30 MHz ~ 26.5 GHz:**LTE Band 7:**

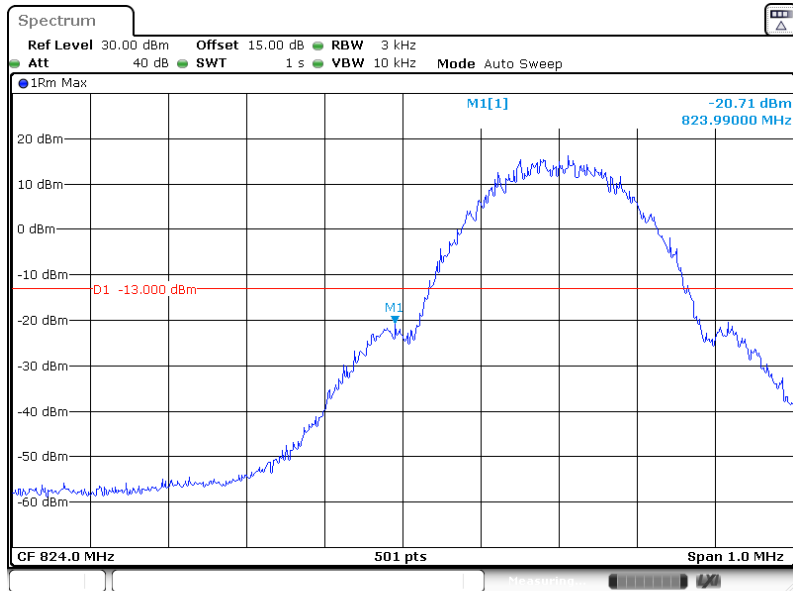
Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
275.80	54.59	39	150	H	-49.82	0.45	-2.20	-52.47	-25	27.47
275.80	56.51	310	150	V	-51.30	0.45	-2.20	-53.95	-25	28.95
5005.00	49.38	53	150	H	-56.61	1.08	10.30	-47.39	-25	22.39
5005.00	47.56	270	200	V	-58.43	1.08	10.30	-49.21	-25	24.21
QPSK 5MHz Bandwidth Middle Channel										
275.80	55.08	65	200	H	-49.33	0.45	-2.20	-51.98	-25	26.98
275.80	56.71	55	150	V	-51.10	0.45	-2.20	-53.75	-25	28.75
5070.00	48.28	292	150	H	-57.35	1.09	10.30	-48.14	-25	23.14
5070.00	46.87	88	150	V	-58.76	1.09	10.30	-49.55	-25	24.55
QPSK 5MHz Bandwidth High Channel										
275.80	54.65	56	100	H	-49.76	0.45	-2.20	-52.41	-25	27.41
275.80	55.59	278	100	V	-52.22	0.45	-2.20	-54.87	-25	29.87
5135.00	47.39	323	150	H	-57.88	1.10	10.30	-48.68	-25	23.68
5135.00	45.81	268	150	V	-59.46	1.10	10.30	-50.26	-25	25.26

LTE Band 38:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
283.10	55.15	172	100	H	-50.11	0.45	-2.18	-52.74	-25	27.74
283.10	56.05	265	100	V	-51.22	0.45	-2.18	-53.85	-25	28.85
5145.00	50.78	139	100	H	-54.60	1.09	10.30	-45.39	-25	20.39
5145.00	49.39	120	100	V	-55.99	1.09	10.30	-46.78	-25	21.78
QPSK 5MHz Bandwidth Middle Channel										
283.10	55.47	271	150	H	-49.79	0.45	-2.18	-52.42	-25	27.42
283.10	56.04	111	100	V	-51.23	0.45	-2.18	-53.86	-25	28.86
5190.00	51.82	117	100	H	-53.03	1.11	10.30	-43.84	-25	18.84
5190.00	50.69	38	200	V	-54.16	1.11	10.30	-44.97	-25	19.97
QPSK 5MHz Bandwidth High Channel										
283.10	55.26	93	100	H	-50.00	0.45	-2.18	-52.63	-25	27.63
283.10	55.78	295	200	V	-51.49	0.45	-2.18	-54.12	-25	29.12
5235.00	52.73	238	150	H	-51.48	1.12	10.30	-42.30	-25	17.30
5235.00	51.36	260	100	V	-52.85	1.12	10.30	-43.67	-25	18.67

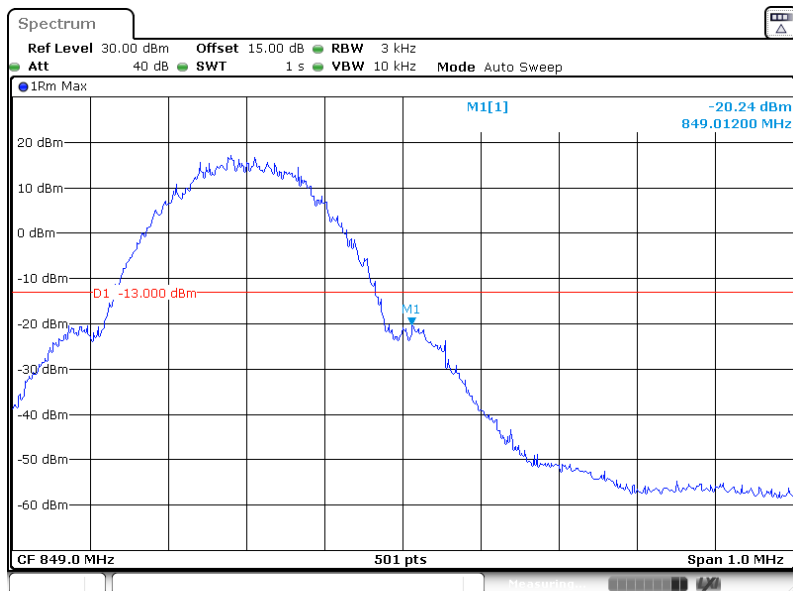
LTE Band 41:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
279.60	51.54	235	200	H	-53.31	0.45	2.19	-51.57	-25	26.57
279.60	52.16	239	200	V	-55.37	0.45	2.19	-53.63	-25	28.63
5115.00	58.54	138	200	H	-46.84	1.09	10.30	-37.63	-25	12.63
5115.00	56.93	328	150	V	-48.45	1.09	10.30	-39.24	-25	14.24
QPSK 5MHz Bandwidth Middle Channel										
279.60	51.69	13	150	H	-53.16	0.45	2.19	-51.42	-25	26.42
279.60	52.04	201	150	V	-55.49	0.45	2.19	-53.75	-25	28.75
5210.00	57.37	227	200	H	-47.48	1.11	10.30	-38.29	-25	13.29
5210.00	56.02	288	150	V	-48.83	1.11	10.30	-39.64	-25	14.64
QPSK 5MHz Bandwidth High Channel										
279.60	51.40	23	150	H	-53.45	0.45	2.19	-51.71	-25	26.71
279.60	53.10	32	200	V	-54.43	0.45	2.19	-52.69	-25	27.69
5325.00	55.77	208	100	H	-48.44	1.12	10.30	-39.26	-25	14.26
5325.00	54.75	51	100	V	-49.46	1.12	10.30	-40.28	-25	15.28

BAND EDGES*EUT operation mode: Transmitting**Test Result: Compliant.***GPRS 850 Band:****GPRS Mode, Left Band Edge**

ProjectNo.:RKSA240327005 Tester:Bard Liu

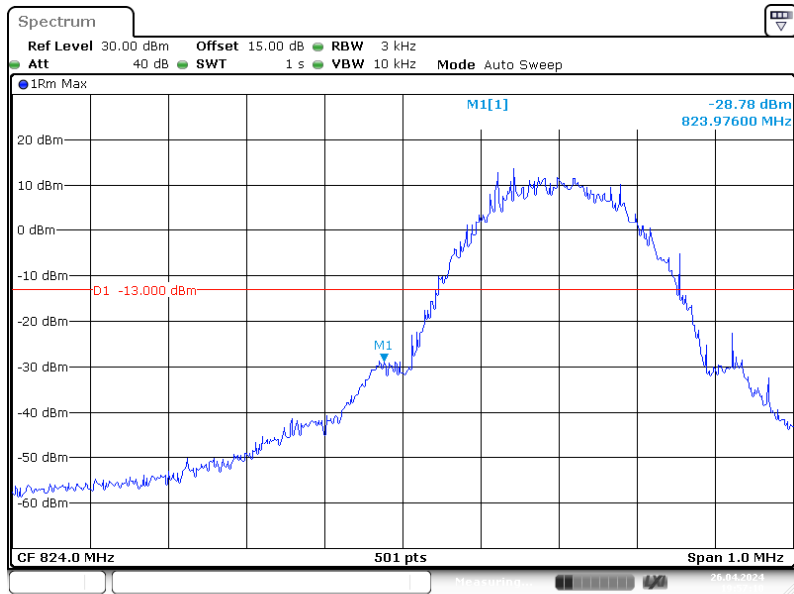
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GPRS Mode, Right Band Edge

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 15:54:31

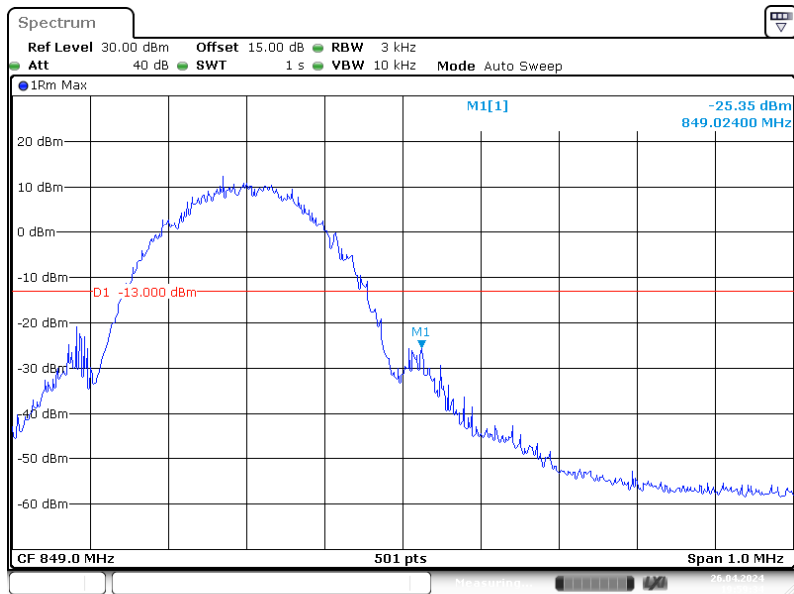
EGPRS Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

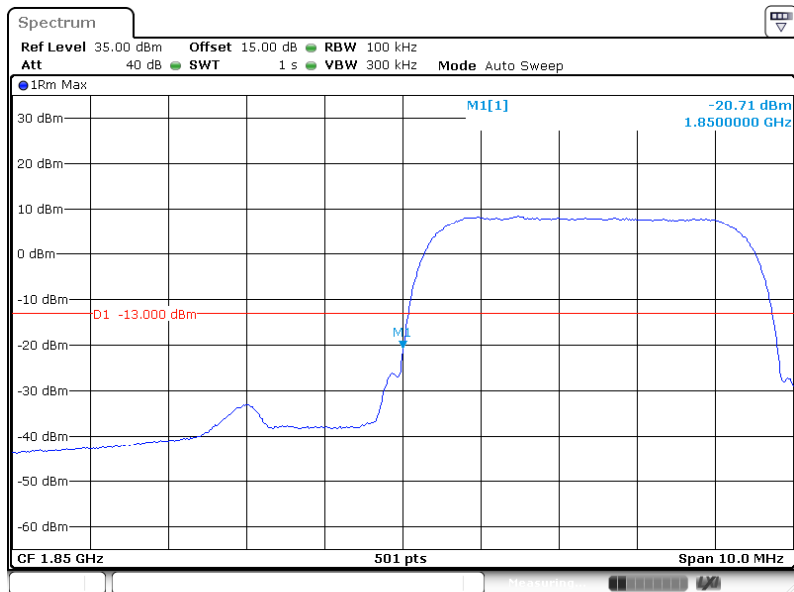
Date: 26 APR.2024 19:57:10

EGPRS Mode, Right Band Edge



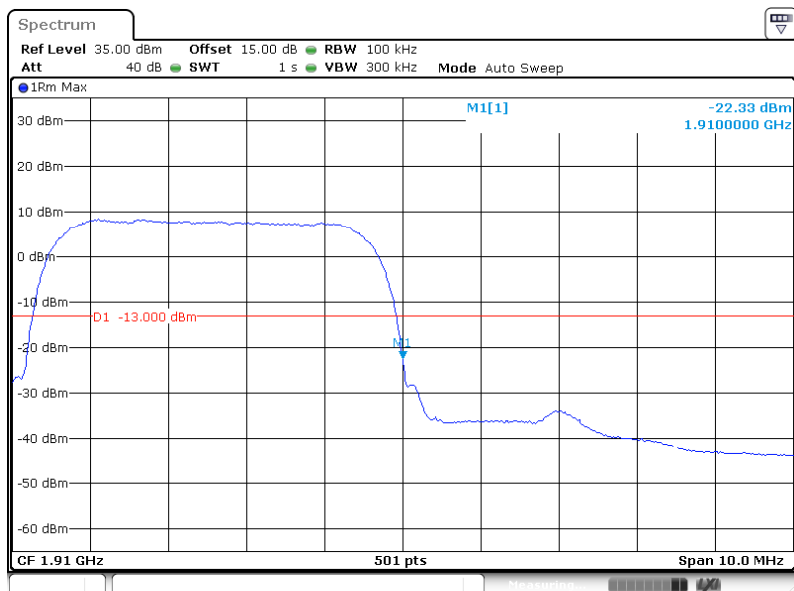
ProjectNo.:RKSA240327005 Tester:Bard Liu

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WCDMA Band V**WCDMA (RMC) Mode, Left Band Edge**

ProjectNo.: RKSA240327005 Tester: Bard Liu

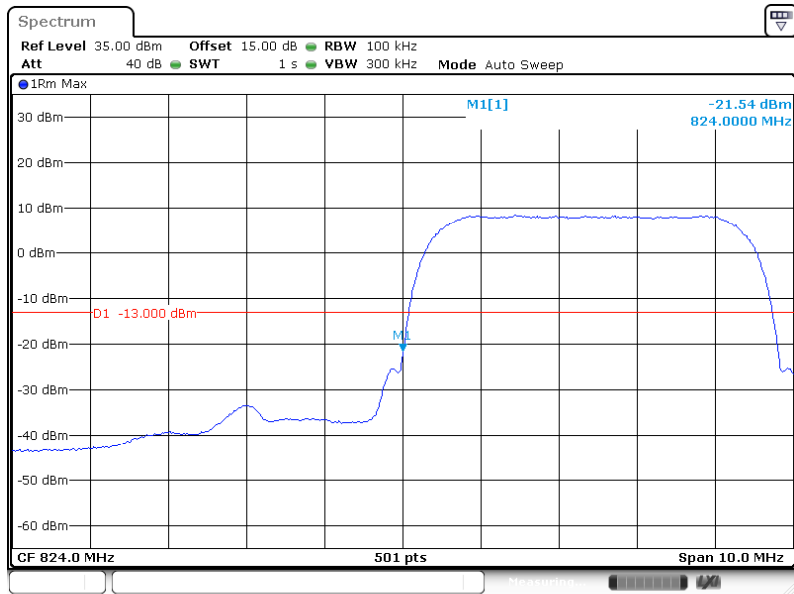
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WCDMA (RMC) Mode, Right Band Edge

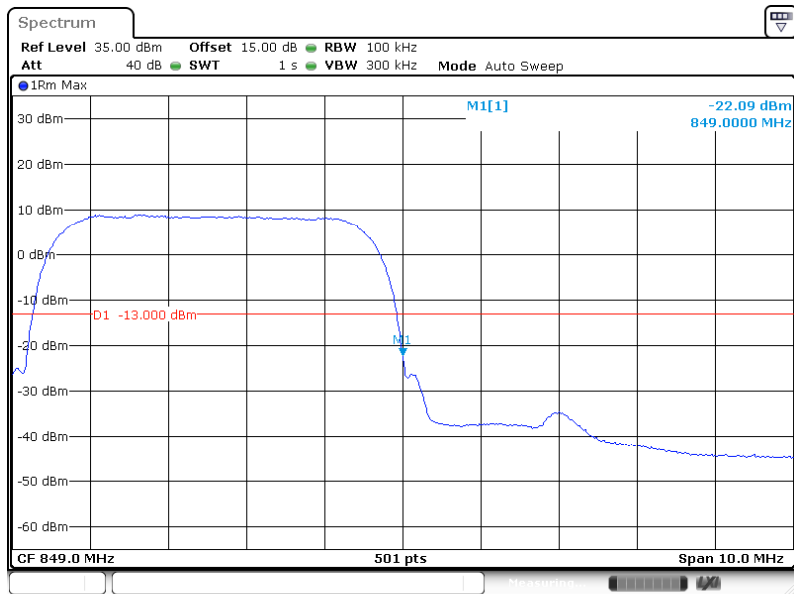
ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:42:55

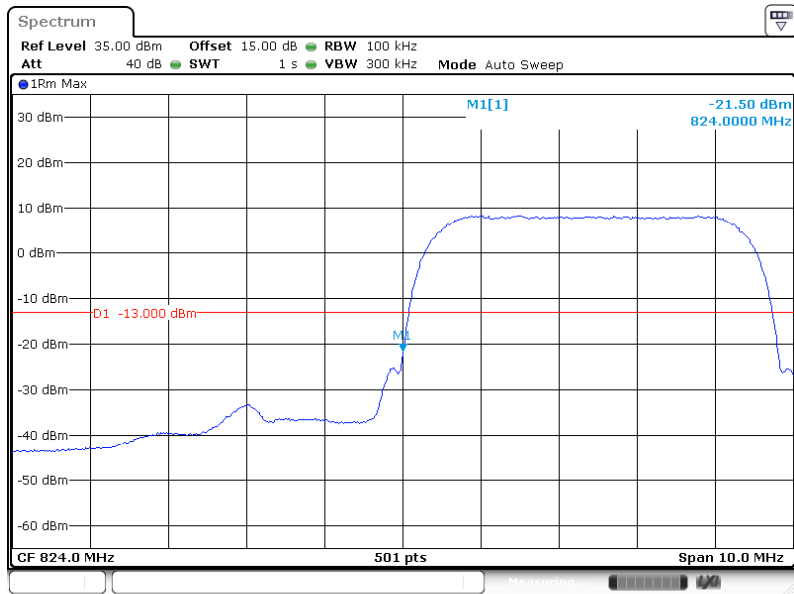
WCDMA (HSDPA) Mode, Left Band Edge



WCDMA (HSDPA) Mode, Right Band Edge



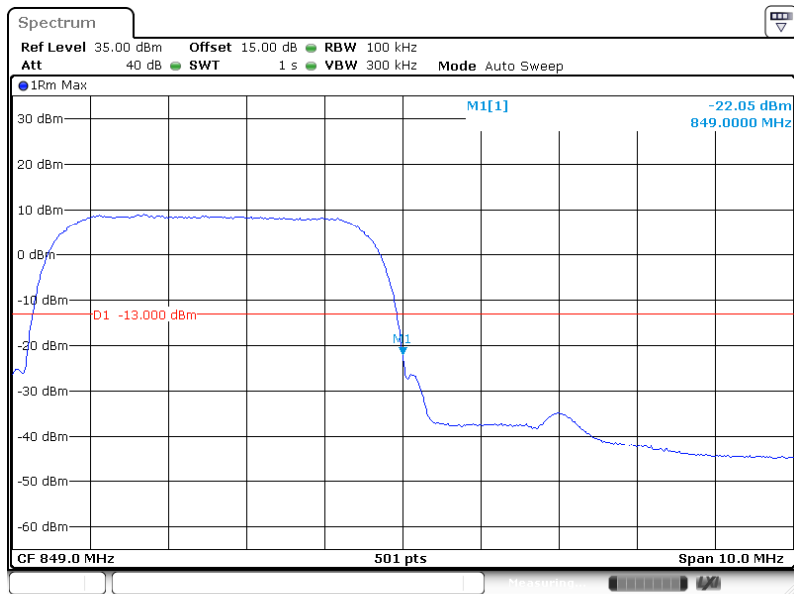
WCDMA (HSUPA) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

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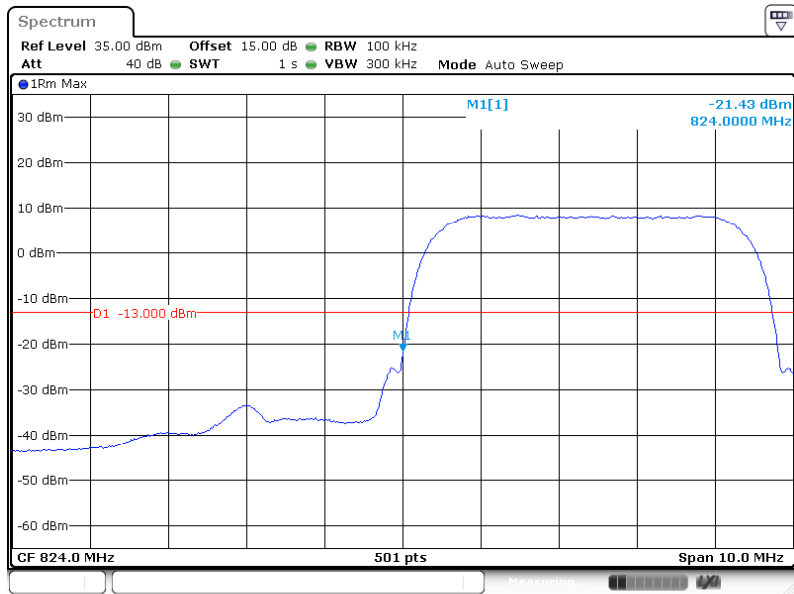
WCDMA (HSUPA) Mode, Right Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

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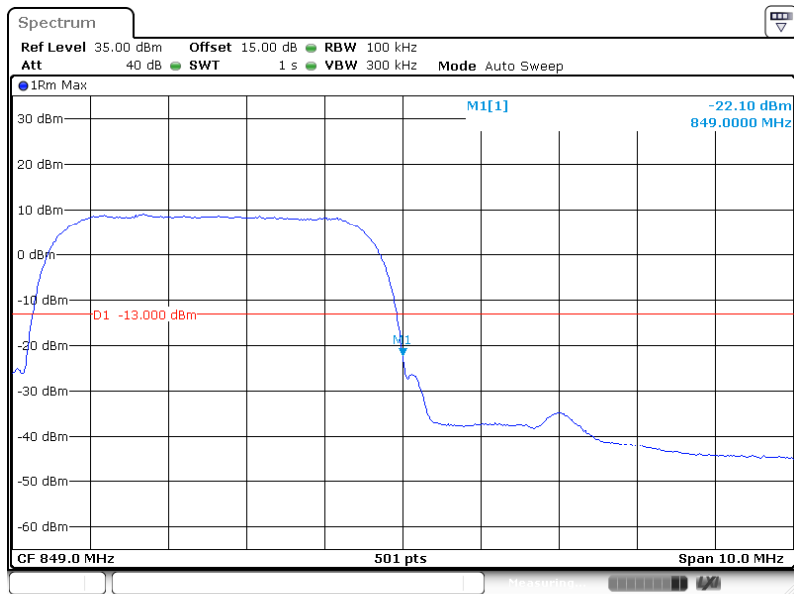
WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo.: RKSA240327005 Tester: Bard Liu

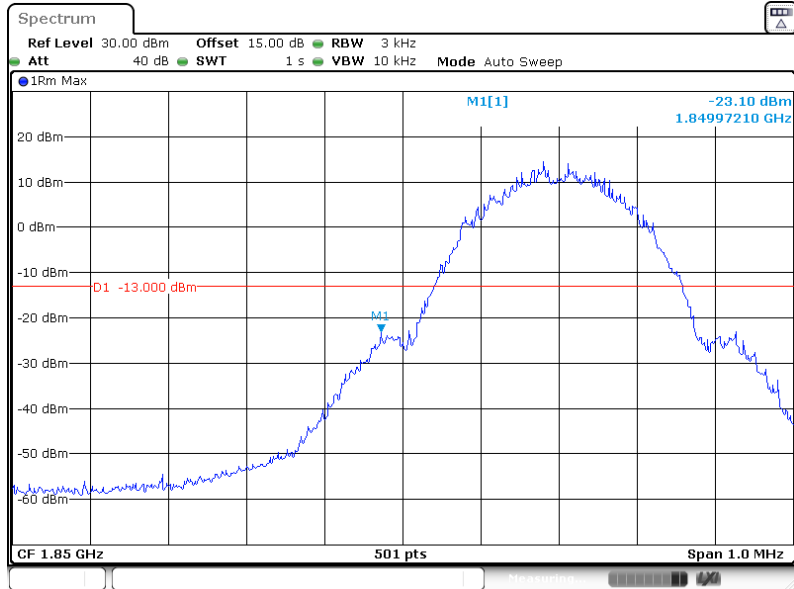
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WCDMA (HSPA+) Mode, Right Band Edge



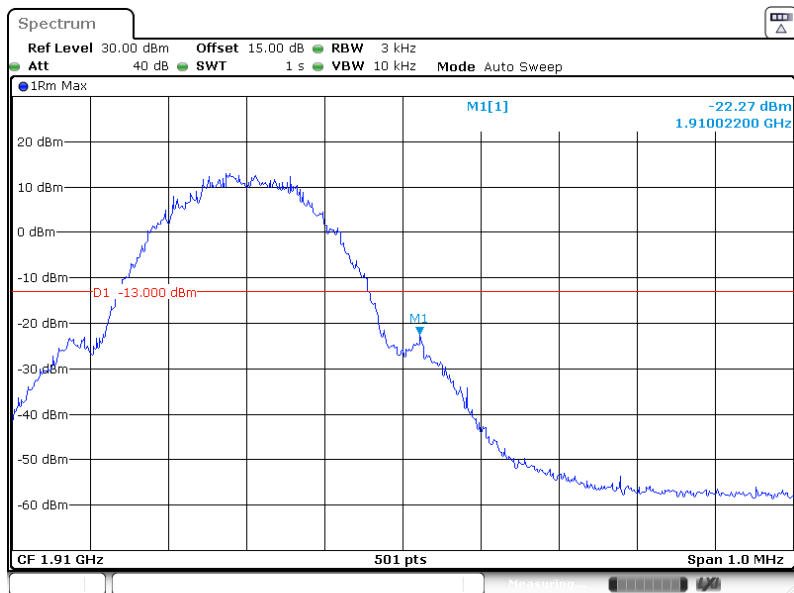
ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:57:39

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

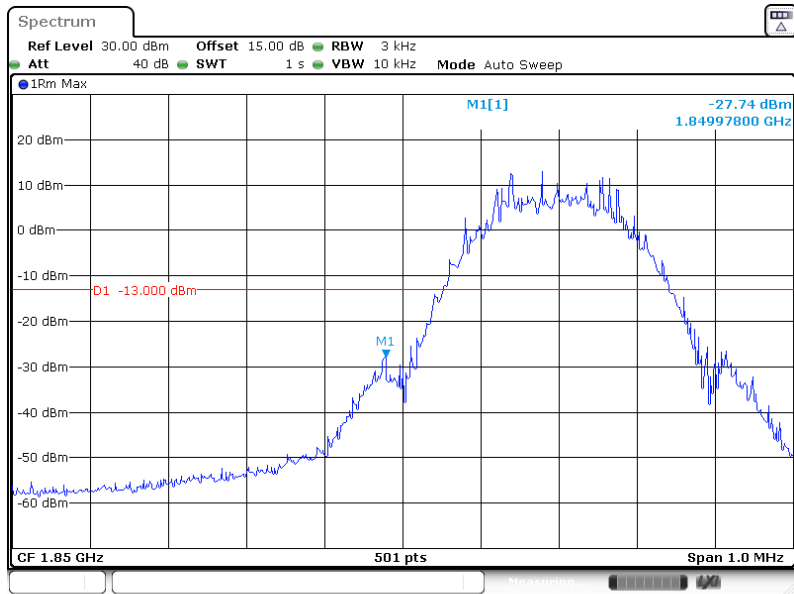
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 15:29:47

GPRS Mode, Right Band Edge

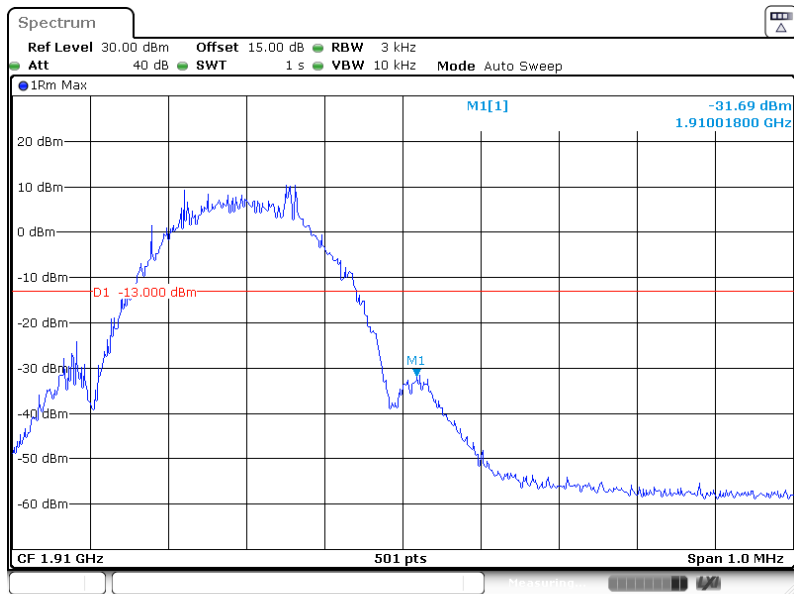
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 15:24:41

EGPRS Mode, Left Band Edge

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 15:45:13

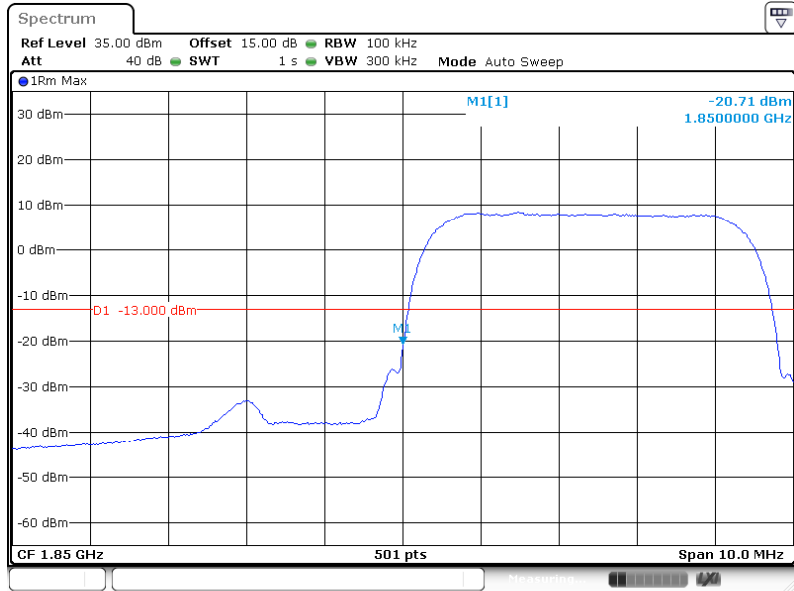
EGPRS Mode, Right Band Edge

ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 1.MAY.2024 15:38:08

WCDMA Band II

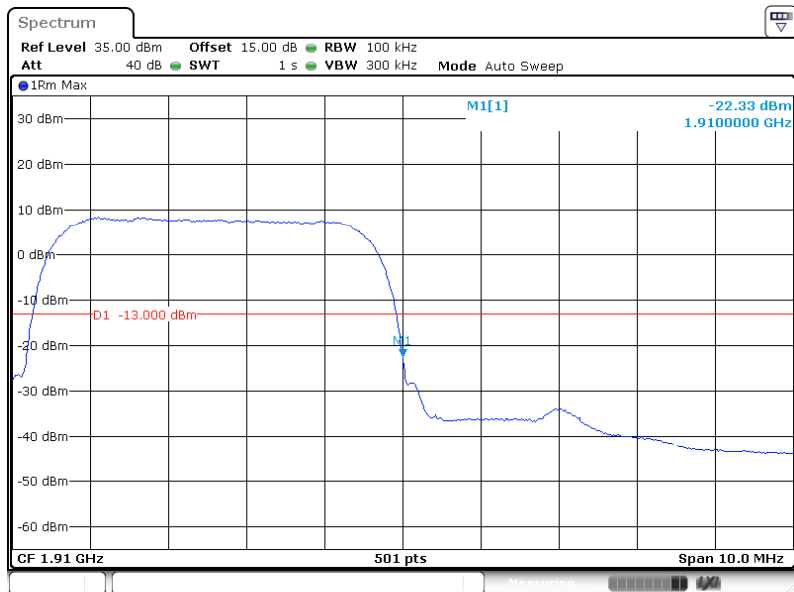
WCDMA (RMC) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 14:36:53

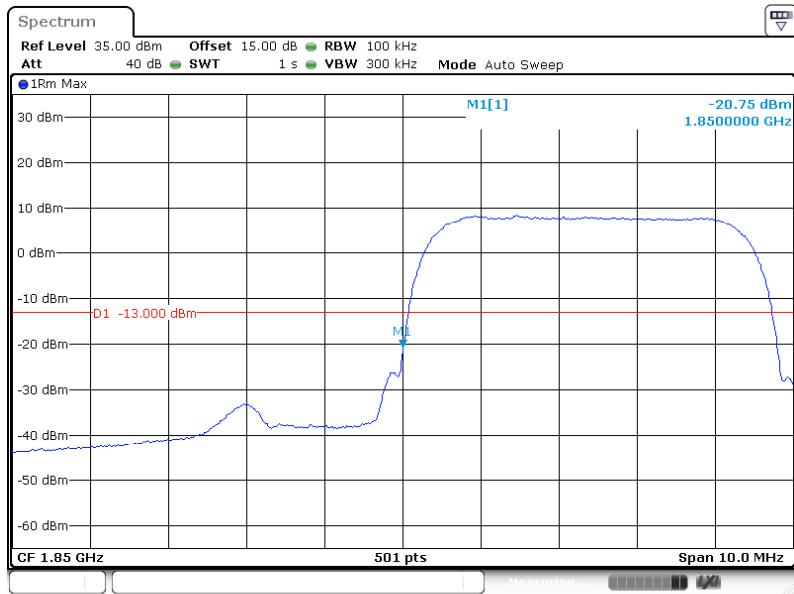
WCDMA (RMC) Mode, Right Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 14:42:55

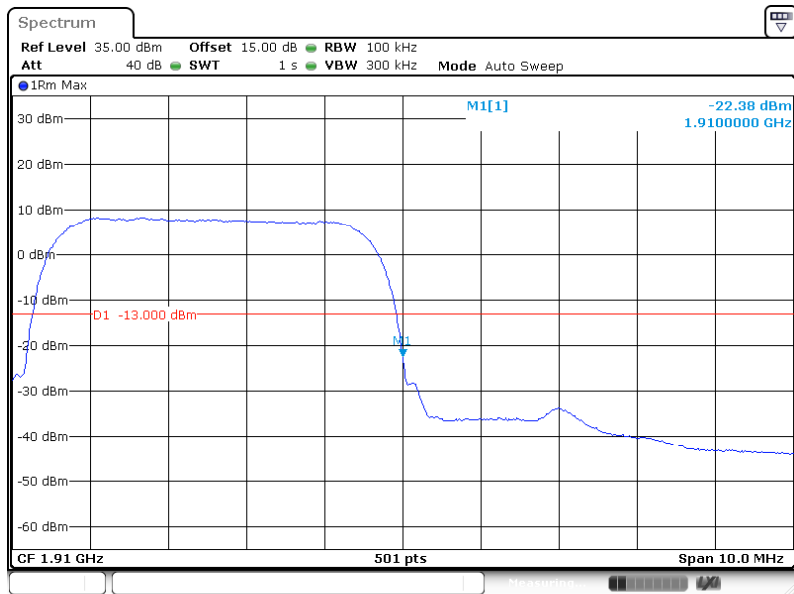
WCDMA (HSDPA) Mode, Left Band Edge



ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:31:55

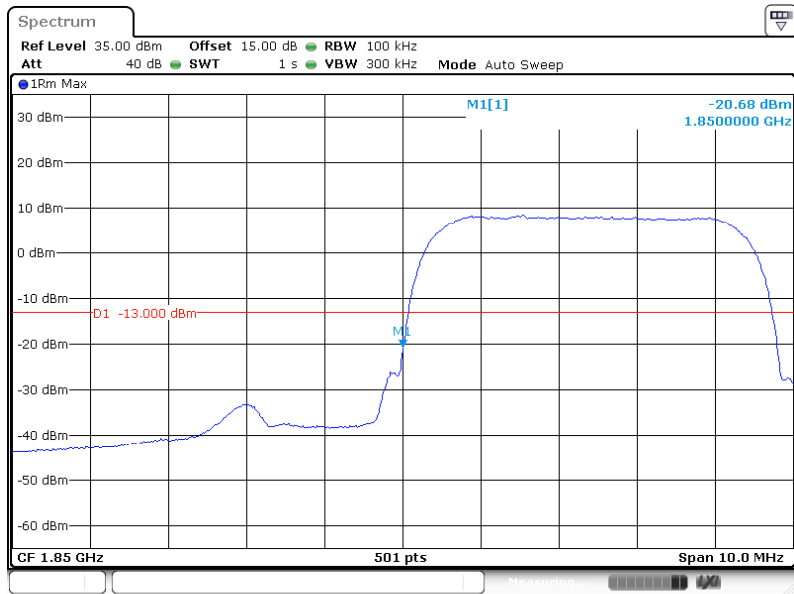
WCDMA (HSDPA) Mode, Right Band Edge



ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:41:41

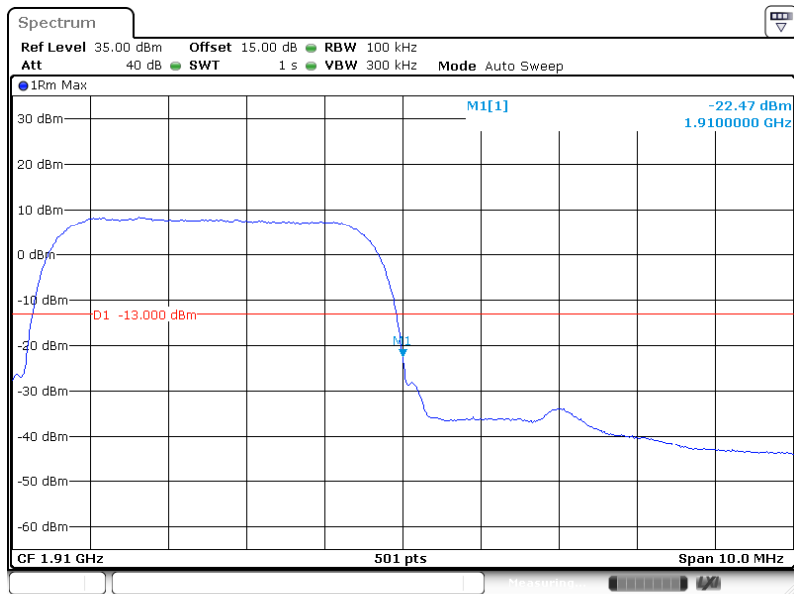
WCDMA (HSUPA) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 14:38:33

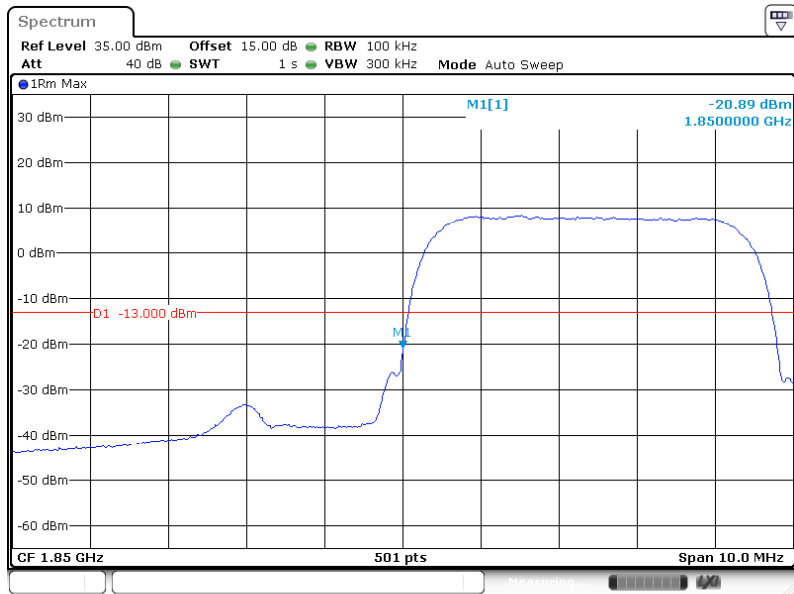
WCDMA (HSUPA) Mode, Right Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 6 MAY. 2024 14:45:09

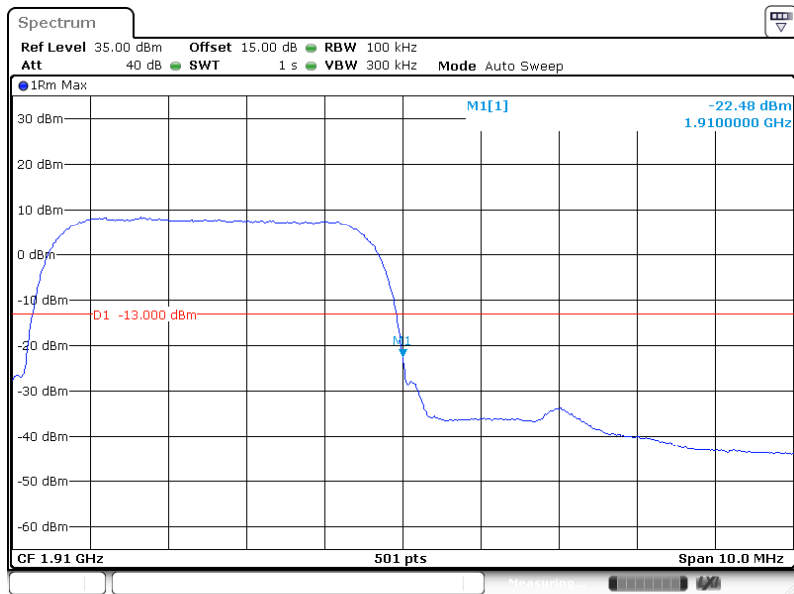
WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:33:53

WCDMA (HSPA+) Mode, Right Band Edge

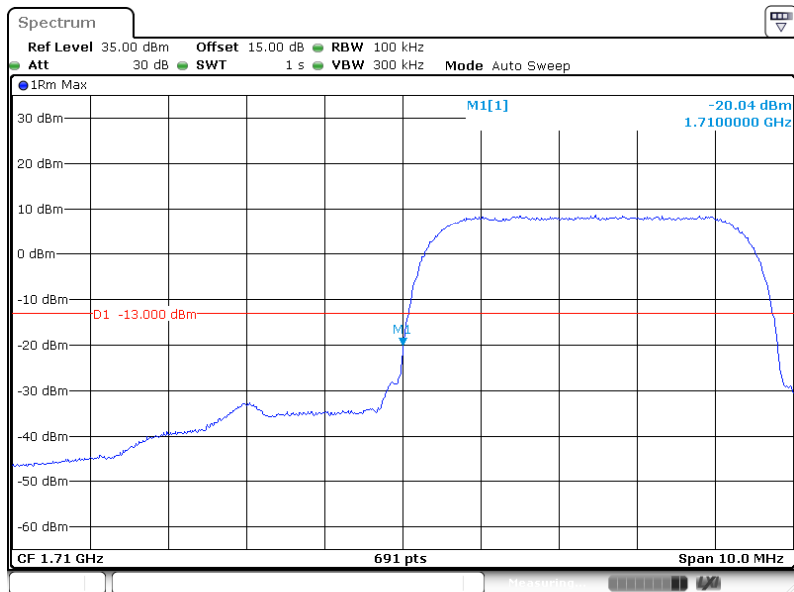


ProjectNo.: RKSA240327005 Tester: Bard Liu

Date: 6 MAY. 2024 14:44:01

WCDMA Band IV

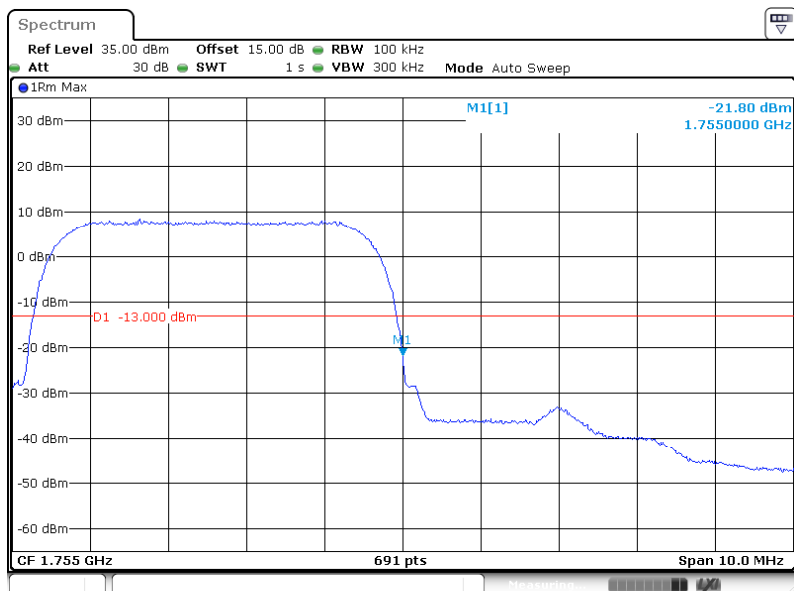
WCDMA (RMC) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY 2024 11:26:56

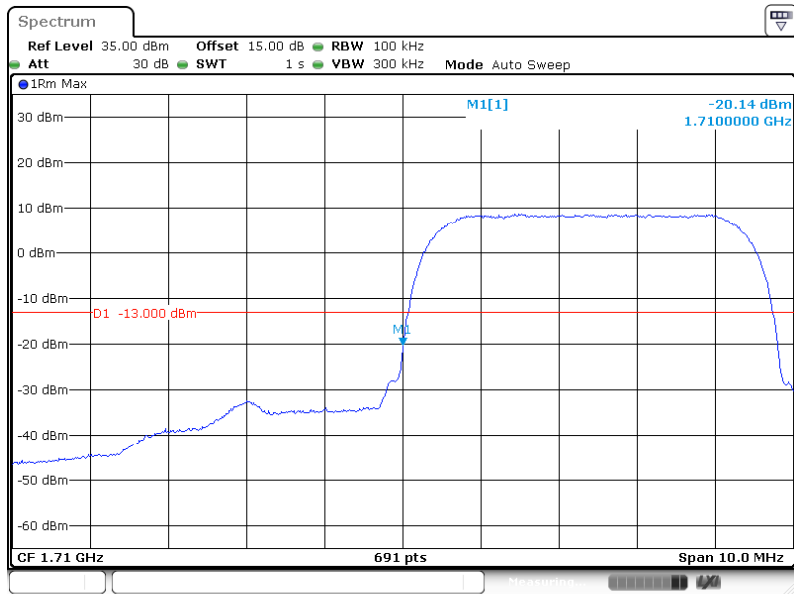
WCDMA (RMC) Mode, Right Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY 2024 11:29:07

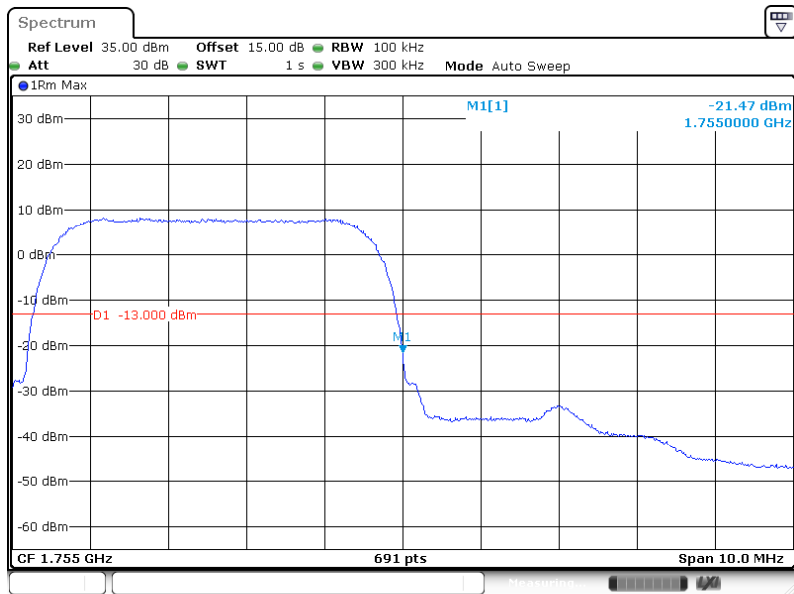
WCDMA (HSDPA) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:26:02

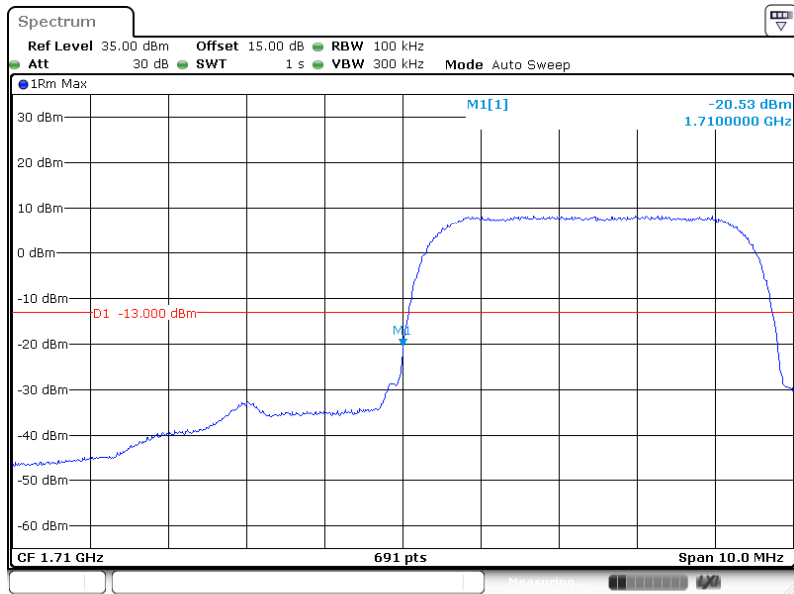
WCDMA (HSDPA) Mode, Right Band Edge



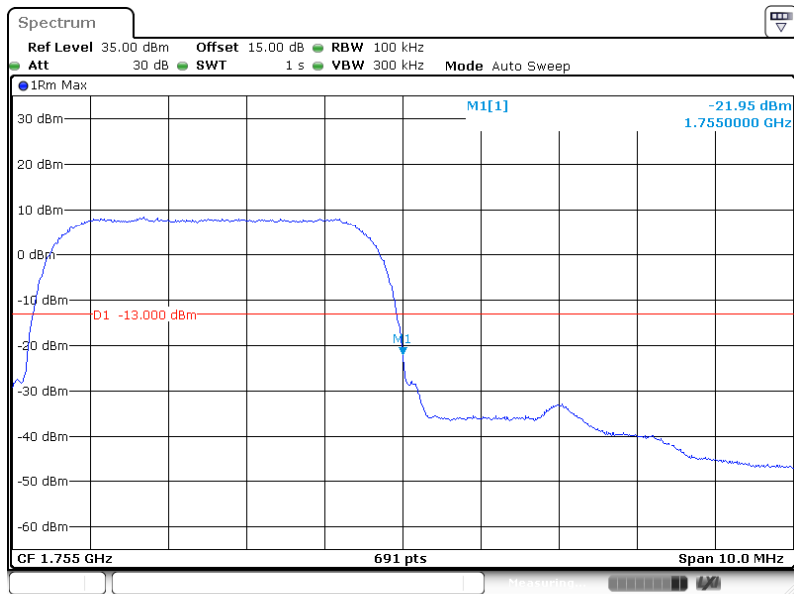
ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:28:21

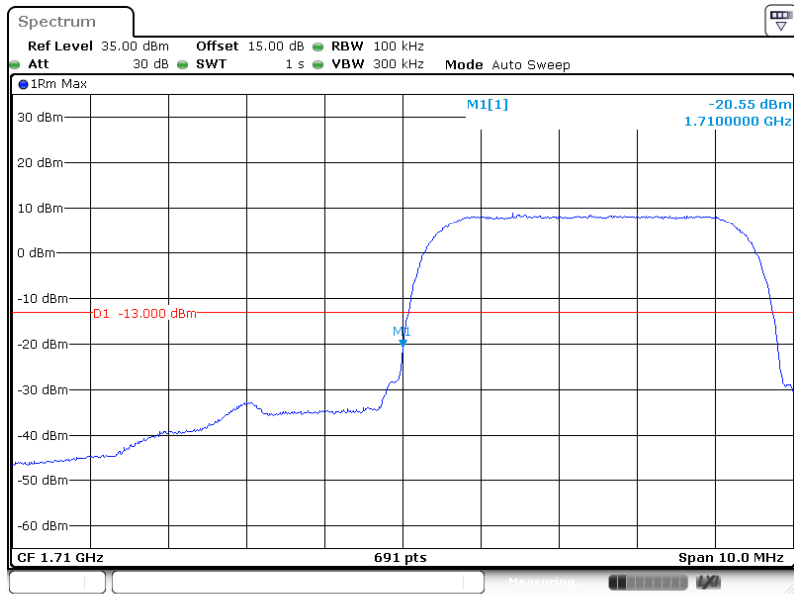
WCDMA (HSUPA) Mode, Left Band Edge



WCDMA (HSUPA) Mode, Right Band Edge



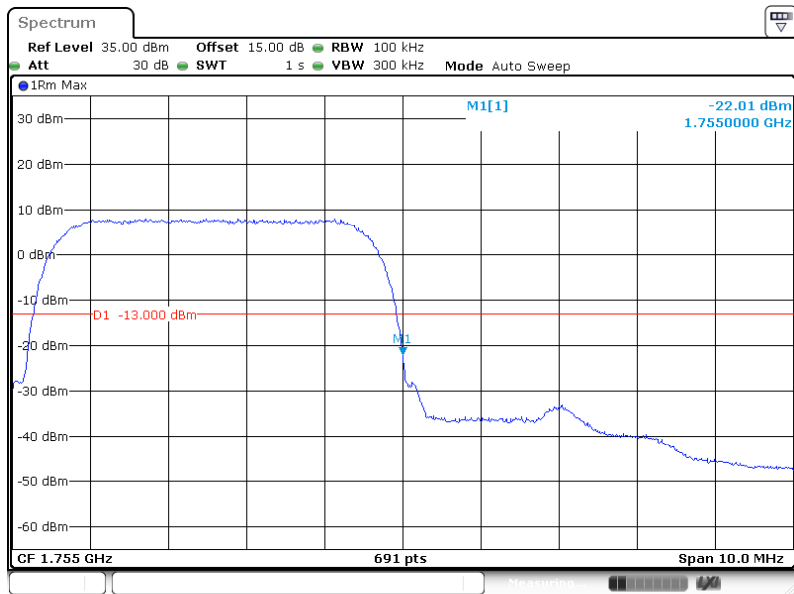
WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:26:34

WCDMA (HSPA+) Mode, Right Band Edge



ProjectNo.:RKSA240327005 Tester:Bard Liu

Date: 16 MAY.2024 11:28:45

FREQUENCY STABILITY*EUT operation mode: Transmitting*

GPRS 850,Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	15	0.01793	2.5
-20		11	0.01315	2.5
-10		14	0.01673	2.5
0		18	0.02152	2.5
10		26	0.03108	2.5
20		28	0.03347	2.5
30		43	0.05140	2.5
40		26	0.03108	2.5
50		27	0.03227	2.5
20	L.V. 3.30	17	0.02032	2.5
	H.V. 4.45	20	0.02391	2.5

EGPRS 850, Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	12	0.01434	2.5
-20		16	0.01913	2.5
-10		13	0.01554	2.5
0		19	0.02271	2.5
10		24	0.02869	2.5
20		36	0.04303	2.5
30		21	0.02510	2.5
40		15	0.01793	2.5
50		18	0.02152	2.5
20	L.V. 3.30	35	0.04184	2.5
	H.V. 4.45	19	0.02271	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	3.87	1850.136	1909.975	1850	1910
-20		1850.104	1909.971	1850	1910
-10		1850.038	1909.973	1850	1910
0		1850.137	1909.973	1850	1910
10		1850.105	1909.970	1850	1910
20		1850.040	1909.976	1850	1910
30		1850.036	1909.984	1850	1910
40		1850.092	1909.957	1850	1910
50		1850.074	1909.961	1850	1910
20	L.V. 3.30	1850.038	1909.977	1850	1910
	H.V. 4.45	1850.134	1909.980	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	3.87	1850.140	1909.978	1850	1910
-20		1850.139	1909.967	1850	1910
-10		1850.035	1909.972	1850	1910
0		1850.141	1909.979	1850	1910
10		1850.140	1909.959	1850	1910
20		1850.028	1909.977	1850	1910
30		1850.117	1909.960	1850	1910
40		1850.035	1909.976	1850	1910
50		1850.074	1909.981	1850	1910
20	L.V. 3.30	1850.071	1909.978	1850	1910
	H.V. 4.45	1850.043	1909.974	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	3.87	1850.151	1909.965	1850	1910
-20		1850.082	1909.973	1850	1910
-10		1850.152	1909.964	1850	1910
0		1850.152	1909.966	1850	1910
10		1850.087	1909.970	1850	1910
20		1850.158	1909.970	1850	1910
30		1850.116	1909.959	1850	1910
40		1850.173	1909.953	1850	1910
50		1850.111	1909.951	1850	1910
20	L.V. 3.30	1850.094	1909.964	1850	1910
	H.V. 4.45	1850.095	1909.971	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	3.87	1710.071	1754.945	1710	1755
-20		1710.063	1754.961	1710	1755
-10		1710.065	1754.962	1710	1755
0		1710.079	1754.946	1710	1755
10		1710.059	1754.970	1710	1755
20		1710.069	1754.968	1710	1755
30		1710.060	1754.971	1710	1755
40		1710.061	1754.972	1710	1755
50		1710.079	1754.964	1710	1755
20	L.V. 3.30	1710.081	1754.945	1710	1755
	H.V. 4.45	1710.054	1754.948	1710	1755

WCDMA Band V:

WCDMA Mode , Middle channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	14	0.01673	2.5
-20		11	0.01315	2.5
-10		5	0.00598	2.5
0		26	0.03108	2.5
10		30	0.03586	2.5
20		7	0.00837	2.5
30		49	0.05857	2.5
40		35	0.04184	2.5
50		47	0.05618	2.5
20	L.V. 3.30	21	0.02510	2.5
	H.V. 4.45	29	0.03466	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	3.87	1850.165	1909.965	1850	1910
-20		1850.139	1909.971	1850	1910
-10		1850.123	1909.973	1850	1910
0		1850.169	1909.968	1850	1910
10		1850.136	1909.975	1850	1910
20		1850.126	1909.976	1850	1910
30		1850.134	1909.975	1850	1910
40		1850.117	1909.980	1850	1910
50		1850.120	1909.974	1850	1910
20	L.V. 3.30	1850.190	1909.979	1850	1910
	H.V. 4.45	1850.153	1909.972	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	3.87	1850.126	1909.973	1850	1910
-20		1850.142	1909.948	1850	1910
-10		1850.172	1909.965	1850	1910
0		1850.125	1909.974	1850	1910
10		1850.145	1909.965	1850	1910
20		1850.183	1909.966	1850	1910
30		1850.189	1909.979	1850	1910
40		1850.174	1909.972	1850	1910
50		1850.132	1909.975	1850	1910
20	L.V. 3.30	1850.134	1909.969	1850	1910
	H.V. 4.45	1850.147	1909.968	1850	1910

LTE Band 4:

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	3.87	1710.085	1754.961	1710	1755
-20		1710.075	1754.958	1710	1755
-10		1710.068	1754.963	1710	1755
0		1710.086	1754.963	1710	1755
10		1710.085	1754.952	1710	1755
20		1710.079	1754.964	1710	1755
30		1710.083	1754.989	1710	1755
40		1710.080	1754.970	1710	1755
50		1710.094	1754.987	1710	1755
20	L.V. 3.30	1710.086	1754.956	1710	1755
	H.V. 4.45	1710.093	1754.957	1710	1755

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	3.87	1710.077	1754.962	1710	1755
-20		1710.079	1754.963	1710	1755
-10		1710.075	1754.971	1710	1755
0		1710.078	1754.973	1710	1755
10		1710.077	1754.966	1710	1755
20		1710.085	1754.958	1710	1755
30		1710.075	1754.962	1710	1755
40		1710.092	1754.987	1710	1755
50		1710.085	1754.963	1710	1755
20	L.V. 3.30	1710.093	1754.957	1710	1755
	H.V. 4.45	1710.092	1754.953	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	3.87	35	0.04184	2.5
-20		22	0.02630	2.5
-10		34	0.04065	2.5
0		48	0.05738	2.5
10		29	0.03467	2.5
20		38	0.04543	2.5
30		53	0.06336	2.5
40		47	0.05619	2.5
50		56	0.06695	2.5
20	L.V. 3.30	27	0.03228	2.5
	H.V. 4.45	31	0.03706	2.5

16-QAM, 10.0 MHz, Middle channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	29	0.03467	2.5
-20		26	0.03108	2.5
-10		34	0.04065	2.5
0		18	0.02152	2.5
10		24	0.02869	2.5
20		11	0.01315	2.5
30		37	0.04423	2.5
40		21	0.02510	2.5
50		12	0.01435	2.5
20	L.V. 3.30	34	0.04065	2.5
	H.V. 4.45	15	0.01793	2.5

LTE Band 7:

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	3.87	2500.112	2569.925	2500	2570
-20		2500.163	2569.949	2500	2570
-10		2500.148	2569.934	2500	2570
0		2500.122	2569.982	2500	2570
10		2500.147	2569.971	2500	2570
20		2500.144	2569.981	2500	2570
30		2500.081	2569.977	2500	2570
40		2500.075	2569.976	2500	2570
50		2500.107	2569.978	2500	2570
20	L.V. 3.30	2500.130	2569.980	2500	2570
	H.V. 4.45	2500.110	2569.979	2500	2570

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	3.87	2500.106	2569.991	2500	2570
-20		2500.162	2569.974	2500	2570
-10		2500.147	2569.925	2500	2570
0		2500.127	2569.983	2500	2570
10		2500.106	2569.982	2500	2570
20		2500.120	2569.979	2500	2570
30		2500.079	2569.980	2500	2570
40		2500.090	2569.972	2500	2570
50		2500.107	2569.981	2500	2570
20	L.V. 3.30	2500.125	2569.976	2500	2570
	H.V. 4.45	2500.103	2569.975	2500	2570

LTE Band 12:

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	3.87	699.155	715.914	699	716
-20		699.172	715.965	699	716
-10		699.169	715.983	699	716
0		699.149	715.979	699	716
10		699.115	715.976	699	716
20		699.138	715.977	699	716
30		699.110	715.976	699	716
40		699.107	715.979	699	716
50		699.139	715.984	699	716
20	L.V. 3.30	699.106	715.977	699	716
	H.V. 4.45	699.131	715.976	699	716

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	3.87	699.135	715.972	699	716
-20		699.138	715.936	699	716
-10		699.114	715.914	699	716
0		699.153	715.978	699	716
10		699.143	715.983	699	716
20		699.144	715.976	699	716
30		699.145	715.983	699	716
40		699.152	715.983	699	716
50		699.138	715.981	699	716
20	L.V. 3.30	699.143	715.977	699	716
	H.V. 4.45	699.107	715.982	699	716

LTE Band 13:

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	3.87	777.072	786.354	777	787
-20		777.031	786.824	777	787
-10		777.092	786.925	777	787
0		777.085	786.970	777	787
10		777.076	786.955	777	787
20		777.103	786.966	777	787
30		777.098	786.968	777	787
40		777.081	786.962	777	787
50		777.082	786.959	777	787
20	L.V. 3.30	777.100	786.970	777	787
	H.V. 4.45	777.094	786.976	777	787

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	3.87	777.135	786.662	777	787
-20		777.525	786.314	777	787
-10		777.061	786.854	777	787
0		777.107	786.969	777	787
10		777.069	786.955	777	787
20		777.08	786.975	777	787
30		777.127	786.976	777	787
40		777.116	786.981	777	787
50		777.077	786.965	777	787
20	L.V. 3.30	777.06	786.96	777	787
	H.V. 4.45	777.122	786.971	777	787

LTE Band 14:

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	3.87	788.143	797.983	788	798
-20		788.143	797.981	788	798
-10		788.105	797.974	788	798
0		788.172	797.973	788	798
10		788.119	797.980	788	798
20		788.161	797.983	788	798
30		788.103	797.982	788	798
40		788.112	797.983	788	798
50		788.119	797.983	788	798
20	L.V. 3.30	788.162	797.980	788	798
	H.V. 4.45	788.162	797.982	788	798

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	3.87	788.12019	797.97901	788	798
-20		788.13044	797.97406	788	798
-10		788.14442	797.97862	788	798
0		788.13627	797.97332	788	798
10		788.12473	797.98411	788	798
20		788.11125	797.98075	788	798
30		788.12406	797.98258	788	798
40		788.11626	797.97386	788	798
50		788.13968	797.98108	788	798
20	L.V. 3.30	788.11428	797.97974	788	798
	H.V. 4.45	788.10849	797.97989	788	798

LTE Band 17:

QPSK, 10MHz, middle channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.87	704.118	715.963	704	716
-20		704.329	715.159	704	716
-10		704.663	715.751	704	716
0		704.125	715.941	704	716
10		704.109	715.971	704	716
20		704.120	715.952	704	716
30		704.088	715.969	704	716
40		704.082	715.975	704	716
50		704.119	715.941	704	716
20	L.V. 3.30	704.077	715.939	704	716
	H.V. 4.45	704.120	715.957	704	716

16-QAM, 10MHz, middle channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.87	704.328	715.642	704	716
-20		704.782	715.348	704	716
-10		704.659	715.954	704	716
0		704.098	715.960	704	716
10		704.122	715.951	704	716
20		704.089	715.945	704	716
30		704.124	715.969	704	716
40		704.080	715.953	704	716
50		704.122	715.963	704	716
20	L.V. 3.30	704.128	715.953	704	716
	H.V. 4.45	704.082	715.944	704	716

LTE Band 25:

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	3.87	1850.161	1914.982	1850	1915
-20		1850.153	1914.986	1850	1915
-10		1850.167	1914.982	1850	1915
0		1850.162	1914.984	1850	1915
10		1850.161	1914.980	1850	1915
20		1850.160	1914.981	1850	1915
30		1850.167	1914.981	1850	1915
40		1850.162	1914.976	1850	1915
50		1850.161	1914.986	1850	1915
20	L.V. 3.30	1850.164	1914.979	1850	1915
	H.V. 4.45	1850.157	1914.982	1850	1915

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	3.87	1850.161	1914.979	1850	1915
-20		1850.165	1914.973	1850	1915
-10		1850.159	1914.973	1850	1915
0		1850.158	1914.974	1850	1915
10		1850.169	1914.986	1850	1915
20		1850.167	1914.983	1850	1915
30		1850.160	1914.984	1850	1915
40		1850.167	1914.980	1850	1915
50		1850.168	1914.985	1850	1915
20	L.V. 3.30	1850.165	1914.974	1850	1915
	H.V. 4.45	1850.158	1914.973	1850	1915

LTE Band 66:

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	3.87	1710.421	1779.368	1710	1780
-20		1710.334	1779.428	1710	1780
-10		1710.239	1779.149	1710	1780
0		1710.093	1779.975	1710	1780
10		1710.110	1779.968	1710	1780
20		1710.099	1779.963	1710	1780
30		1710.087	1779.964	1710	1780
40		1710.077	1779.964	1710	1780
50		1710.091	1779.975	1710	1780
20	L.V. 3.30	1710.124	1779.979	1710	1780
	H.V. 4.45	1710.095	1779.971	1710	1780

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	3.87	1710.173	1779.651	1710	1780
-20		1710.362	1779.332	1710	1780
-10		1710.113	1779.925	1710	1780
0		1710.054	1779.964	1710	1780
10		1710.090	1779.965	1710	1780
20		1710.109	1779.965	1710	1780
30		1710.066	1779.970	1710	1780
40		1710.100	1779.971	1710	1780
50		1710.091	1779.974	1710	1780
20	L.V. 3.30	1710.123	1779.970	1710	1780
	H.V. 4.45	1710.099	1779.965	1710	1780

LTE Band 71:

QPSK, 10MHz, 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	3.87	663.112	697.978	663	698
-20		663.116	697.969	663	698
-10		663.103	697.961	663	698
0		663.102	697.977	663	698
10		663.114	697.962	663	698
20		663.099	697.958	663	698
30		663.102	697.968	663	698
40		663.118	697.982	663	698
50		663.100	697.970	663	698
20	L.V. 3.30	663.104	697.962	663	698
	H.V. 4.45	663.094	697.976	663	698

16-QAM, 10MHz, 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	3.87	663.123	697.986	663	698
-20		663.105	697.971	663	698
-10		663.115	697.965	663	698
0		663.078	697.985	663	698
10		663.121	697.973	663	698
20		663.096	697.968	663	698
30		663.109	697.956	663	698
40		663.101	697.964	663	698
50		663.089	697.96	663	698
20	L.V. 3.30	663.109	697.957	663	698
	H.V. 4.45	663.089	697.963	663	698

LTE Band 38:

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	3.87	2570.111	2619.969	2570	2620
-20		2570.123	2619.895	2570	2620
-10		2570.120	2619.898	2570	2620
0		2570.105	2619.966	2570	2620
10		2570.124	2619.886	2570	2620
20		2570.127	2619.892	2570	2620
30		2570.139	2619.898	2570	2620
40		2570.120	2619.943	2570	2620
50		2570.145	2619.939	2570	2620
20	L.V. 3.30	2570.115	2619.950	2570	2620
	H.V. 4.45	2570.102	2619.915	2570	2620

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	3.87	2570.121	2619.971	2570	2620
-20		2570.116	2619.965	2570	2620
-10		2570.123	2619.962	2570	2620
0		2570.114	2619.972	2570	2620
10		2570.114	2619.945	2570	2620
20		2570.133	2619.968	2570	2620
30		2570.101	2619.962	2570	2620
40		2570.128	2619.932	2570	2620
50		2570.136	2619.915	2570	2620
20	L.V. 3.30	2570.129	2619.973	2570	2620
	H.V. 4.45	2570.144	2619.958	2570	2620

LTE Band 41:

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	3.87	2535.121	2654.989	2535	2655
-20		2535.099	2654.985	2535	2655
-10		2535.115	2654.985	2535	2655
0		2535.118	2654.983	2535	2655
10		2535.098	2654.983	2535	2655
20		2535.124	2654.989	2535	2655
30		2535.107	2654.981	2535	2655
40		2535.111	2654.978	2535	2655
50		2535.100	2654.988	2535	2655
20	L.V. 3.30	2535.087	2654.985	2535	2655
	H.V. 4.45	2535.113	2654.982	2535	2655

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	3.87	2535.112	2654.983	2535	2655
-20		2535.106	2654.980	2535	2655
-10		2535.118	2654.974	2535	2655
0		2535.107	2654.980	2535	2655
10		2535.106	2654.981	2535	2655
20		2535.123	2654.975	2535	2655
30		2535.114	2654.983	2535	2655
40		2535.094	2654.985	2535	2655
50		2535.120	2654.982	2535	2655
20	L.V. 3.30	2535.122	2654.988	2535	2655
	H.V. 4.45	2535.114	2654.988	2535	2655

LTE Band 26:

QPSK, 10.0 MHz, Middle Channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	3	0.00359	2.5
-20		5	0.00598	2.5
-10		15	0.01793	2.5
0		41	0.04901	2.5
10		19	0.02271	2.5
20		42	0.05021	2.5
30		14	0.01674	2.5
40		53	0.06336	2.5
50		52	0.06216	2.5
20	L.V. 3.30	33	0.03945	2.5
	H.V. 4.45	42	0.05021	2.5

16-QAM, 10.0 MHz, Middle Channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.87	28	0.03347	2.5
-20		24	0.02869	2.5
-10		33	0.03945	2.5
0		55	0.06575	2.5
10		21	0.02510	2.5
20		20	0.02391	2.5
30		15	0.01793	2.5
40		13	0.01554	2.5
50		26	0.03108	2.5
20	L.V. 3.30	12	0.01435	2.5
	H.V. 4.45	10	0.01195	2.5

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******