TEST REPORT

Applicant Name:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT, Hong Kong
Report Number:	SZ1231213-75213E-RF-00C
FCC ID:	2AIZN-X6871

Test Standard (s)

FCC PART 27; FCC PART 22H; FCC PART 24E

Sample Description

Product Type:	Mobile Phone
Model No.:	X6871
Multiple Model(s) No.:	N/A
Trade Mark:	Infinix
Date Received:	2024/01/17
Issue Date:	2024/03/15

Test Result:	Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Michelle Zeng

RF Engineer

Approved By:

Nancy Wang

RF Supervisor

Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	SZ1231213-75213E-RF-00C	Original Report	2024/03/15

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

<table>
<tr><td>Product</td><td colspan="4">Mobile Phone</td></tr>
<tr><td>Tested Model</td><td colspan="4">X6871</td></tr>
<tr><td>Multiple Model(s)</td><td colspan="4">N/A</td></tr>
<tr><td>Frequency Range</td><td colspan="4">GSM 850: 824-849MHz(TX); 869-894MHz(RX)
PCS 1900: 1850-1910MHz(TX); 1930-1990MHz(RX)
WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX)
WCDMA Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX)
WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX)
LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX)
LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX)
LTE Band 5: 824-849MHz(TX); 869-894MHz(RX)
LTE Band 7: 2500-2570MHz(TX); 2620-2690MHz(TX)
LTE Band 12: 699-716MHz(TX); 729-746MHz(RX)
LTE Band 17: 704-716MHz(TX); 734-746MHz(RX)
LTE Band 38: 2570-2620MHz(TX/RX)
LTE Band 40 Lower: 2305-2315MHz (TX/RX)
LTE Band 40 Upper: 2350-2360MHz (TX/RX)
LTE Band 41: 2496-2690MHz(TX/RX)
LTE Band 42: 3450-3550MHz(TX/RX)
LTE Band 66: 1710-1780MHz(TX); 2110-2200MHz(RX)</td></tr>
<tr><td>Modulation Technique</td><td colspan="4">2G: GMSK;
3G: BPSK, QPSK, 16QAM, 64QAM
4G: QPSK, 16QAM, 64QAM, 256QAM</td></tr>
<tr><td rowspan="8">Antenna Specification#</td><td>Antenna</td><td>Operation Bands</td><td>Antenna Gain (G_T) (dBi)</td><td>L_C (dB)</td></tr>
<tr><td rowspan="2">ANT1</td><td>GSM 850/WCDMA/LTE B5</td><td>-6.8</td><td>0.5</td></tr>
<tr><td>LTE B12/17</td><td>-6.4</td><td>0.5</td></tr>
<tr><td rowspan="3">ANT2</td><td>PCS1900/WCDMA/LTE B2</td><td>-3.9</td><td>0.8</td></tr>
<tr><td>WCDMA/LTE B4/66</td><td>-4.9</td><td>0.8</td></tr>
<tr><td>LTE B7/38/40/41</td><td>-2.1</td><td>0.8</td></tr>
<tr><td>ANT0</td><td>LTE B42</td><td>-1.8</td><td>0</td></tr>
<tr><td colspan="4">Note: Lc= Signal Attenuation in the connecting cable between the transmitter and antenna, in dB.</td></tr>
<tr><td>Voltage Range</td><td colspan="4">DC 3.91V from battery or DC 5-11V from adapter</td></tr>
<tr><td>Sample serial number</td><td colspan="4">RE: 2F5J-5, RF: 2F5J-1 (Assigned by BACL, Shenzhen)</td></tr>
<tr><td>Sample/EUT Status</td><td colspan="4">Good condition</td></tr>
<tr><td>Normal/Extreme Condition#</td><td colspan="4">L.V.: Low Voltage 3.52V_{DC}
N.V.: Normal Voltage 3.91V_{DC}
H.V.: High Voltage 4.5V_{DC}</td></tr>
<tr><td>Adapter Information</td><td colspan="4">Model: U450XSB
Input: AC 100-240V~50/60Hz, 1.8A
Output: DC 5.0V, 3.0A, 15.0W or 5.0-10.0V, 1.5A or 11.0V, 4.1A, 45.0W MAX</td></tr>
<tr><td colspan="5"></td></tr>
</table>

Objective

This test report is in accordance with Part 2-Subpart J, Part 22-Subpart H, Part24-Subpart E, and Subpart 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of the 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-Subpart 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

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
KDB 971168 D01: Power Meas License Digital Systems v03r01

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		0.72 dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.75 dB(k=2, 95% level of confidence)
RF Frequency		213.55 Hz(k=2, 95% level of confidence)
Radiated Emissions	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.35dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.44dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.16dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

Frequency Band	Bandwidth (MHz)	Test Frequency (MHz)		
		Low	Middle	High
GSM850	0.25	824.2	836.6	848.8
PCS1900	0.25	1850.2	1880	1909.8
WCDMA B2	4.2	1852.4	1880	1907.6
WCDMA B4	4.2	1712.4	1732.6	1752.6
WCDMA B5	4.2	826.4	836.6	846.6
LTE B2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855	1880	1905
	15	1857.5	1880	1902.5
	20	1860	1880	1900
LTE B4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715	1732.5	1750
	15	1717.5	1732.5	1747.5
	20	1720	1732.5	1745
LTE B5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829	836.5	844
LTE B7	5	2502.5	2535	2567.5
	10	2505	2535	2565
	15	2507.5	2535	2562.5
	20	2510	2535	2560
LTE B12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0
LTE B17	5	706.5	710	713.5
	10	709	710	711
LTE B38	5	2572.5	2595	2617.5
	10	2575	2595	2615
	15	2577.5	2595	2612.5
	20	2580	2595	2610

Frequency Band	Bandwidth (MHz)	Test Frequency (MHz)		
		Low	Middle	High
LTE B40 Lower	5	2307.5	2310	2312.5
	10	/	2310	/
LTE B40 Upper	5	2352.5	2355	2357.5
	10	/	2355	/
LTE B41	5	2498.5	2593	2687.5
	10	2501	2593	2685
	15	2503.5	2593	2682.5
	20	2506	2593	2680
LTE B42	5	3452.5	3500	3547.5
	10	3455	3500	3545
	15	3457.5	3500	3542.5
	20	3460	3500	3540
LTE B66	1.4	1710.7	1745	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

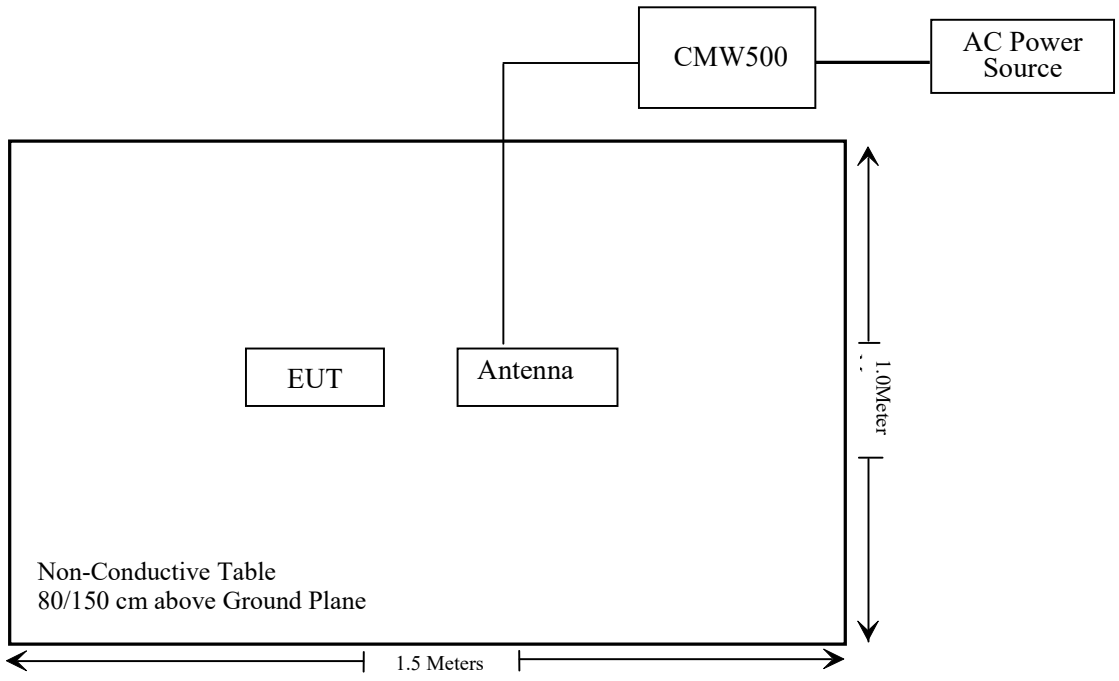
Manufacturer	Description	Model	Serial Number
R&S	Wideband Radio Communication Tester	CMW500	141718

Support Cable Description

Cable Description	Length (m)	From / Port	To
Unshielded Un-detachable AC cable	1.2	AC Power	CMW500

Block Diagram of Test Setup

For radiated spurious emission



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307 ,§2.1093	RF Exposure (SAR)	Compliant
§2.1046; § 22.913 (a) (d); § 24.232 (c) (d); §27.50 (a) (c) (d) (h) (k)	RF Output Power	Compliant
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliant
§ 2.1051; §22.917 (a); § 24.238 (a); §27.53;	Spurious Emissions at Antenna Terminal	Compliant
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53	Field Strength of Spurious Radiation	Compliant
§ 22.917 (a); § 24.238 (a); §27.53 (a) (g) (h)(m)(n)	Band Edge	Compliant
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310 N	186238	2023/06/08	2024/06/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2024/07/19
Unknown	Cable	Chamber Cable 1	F-03-EM236	2023/08/03	2024/08/02
Unknown	Cable	Chamber Cable 4	EC-007	2023/08/03	2024/08/02
Agilent	Signal Generator	N5183A	MY50140588	2023/12/18	2024/12/17
COM-POWER	Dipole Antenna	AD-100	721027	NCR	NCR
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2023/04/18	2024/04/17
COM-POWER	Pre-amplifier	PA-122	181919	2023/06/29	2024/06/28
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2024/07/25
A.H.System	Horn Antenna	SAS-200/571	135	2021/07/14	2024/07/13
Unknown	RF Cable	KMSE	0735	2023/10/08	2024/10/07
Unknown	RF Cable	UFA147	219661	2023/10/08	2024/10/07
Unknown	RF Cable	XH750A-N	J-10M	2023/10/08	2024/10/07
Agilent	Signal Generator	N5183A	MY50140588	2023/12/18	2024/12/17
Unknown	1.3G High Pass filter	1.3GHz	101120	2023/08/03	2024/08/02
MICRO-TRONICS	2.8G Passband filter	HPM50111	F-03-EM217	2023/08/03	2024/08/02
A.H.System	Pre-amplifier	PAM-1840VH	190	2023/08/03	2024/08/02
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
Electro-Mechanics Co	Horn Antenna	3116	2026	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2023/08/03	2024/08/02

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
R&S	spectrum analyzer	FSV40	101942	2023/12/18	2024/12/17
R&S	Wideband Radio Communication Tester	CMW500	141718	2023/09/06	2024/09/05
WEINSCHEL	Power Splitter	1515	RH386	2023/07/04	2024/07/03
WEINSCHEL	3dB Attenuator	Unknown	F-03-EM220	2023/07/04	2024/07/03
Unknown	RF Cable	65475	01670515	2023/07/04	2024/07/03
BACL	Temperature & Humidity Chamber	BTH-150-40	30145	2024/01/16	2025/01/15
instek	DC Power Supply	GPS-3030DD	EM832096	NCR	NCR
Fluke	Digital Multimeter	287	19000011	2023/06/08	2024/06/07

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

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: SZ1231213-75213E-SA.

FCC§2.1047 - MODULATION CHARACTERISTIC

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

FCC § 2.1046, § 22.913 (a) (d) & § 24.232 (c) (d); §27.50 (a) (c) (d) (h) (k) - RF OUTPUT POWER

Applicable Standard

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

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

According to §27.50 (a)(3) *Mobile and portable stations.*
(i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, *except that* for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.
(ii) Mobile and portable stations are not permitted to transmit in the 2315-2320 MHz and 2345-2350 MHz bands.
(iii) *Automatic transmit power control.* Mobile and portable stations transmitting in the 2305-2315 MHz band or in the 2350-2360 MHz band must employ automatic transmit power control when operating so the stations operate with the minimum power necessary for successful communications.
(iv) *Prohibition on external vehicle-mounted antennas.* The use of external vehicle-mounted antennas for mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band is prohibited.

According to §27.50(c), Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP. And Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to §27.50(d),Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to §27.50 (h) The following power limits shall apply in the BRS and EBS:
(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.

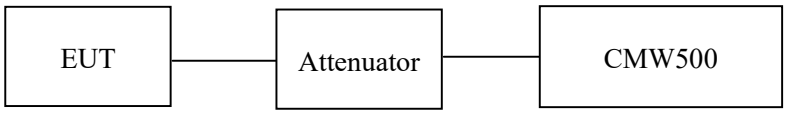
According to §27.50 (k) The following power requirements apply to stations transmitting in the 3450 – 3550 MHz band:
(3) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

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

Test Procedure

Conducted method: ANSI C63.26-2015 Section 5.2

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



Test Data

Environmental Conditions

Temperature:	22~24 ℃
Relative Humidity:	62-67 %
ATM Pressure:	101.0~101.1 kPa

The testing was performed by Bamboo Zhan from 2024-01-23 to 2024-02-02.

Test Result: Compliant

Cellular Band (Part 22H)

GSM 850

Test Mode	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
GSM	33.28	32.86	32.91	**23.83**	38.45
GPRS 1 Slot	33.18	32.88	32.85	23.73	38.45
GPRS 2 Slots	32.53	32.22	32.50	23.08	38.45
GPRS 3 Slots	30.89	30.60	30.90	21.45	38.45
GPRS 4 Slots	29.79	29.60	29.55	20.34	38.45
EDGE 1 Slot	27.56	27.53	27.56	**18.11**	38.45
EDGE 2 Slots	26.33	26.44	26.51	17.06	38.45
EDGE 3 Slots	24.49	24.46	24.40	15.04	38.45
EDGE 4 Slots	23.48	23.47	23.38	14.03	38.45

Note:
ERP= Conducted Power(dBm) - LC(dB) + GT(dBd)
GT(dBd)=GT(dBi)-2.15

WCAMA B5

Test Mode	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
WCDMA R99	23.95	23.95	23.95	**14.50**	38.45
HSDPA Subtest 1	22.33	22.32	22.28	12.88	38.45
HSDPA Subtest 2	22.38	22.36	22.30	12.93	38.45
HSDPA Subtest 3	22.44	22.44	22.35	12.99	38.45
HSDPA Subtest 4	22.52	22.49	22.37	13.07	38.45
HSUPA Subtest 1	22.15	22.10	22.27	12.82	38.45
HSUPA Subtest 2	22.22	22.15	22.32	12.87	38.45
HSUPA Subtest 3	22.25	22.23	22.37	12.92	38.45
HSUPA Subtest 4	22.31	22.28	22.44	12.99	38.45
HSUPA Subtest 5	22.37	22.35	22.46	13.01	38.45
HSPA+ Subtest 1	22.41	22.29	22.49	13.04	38.45

Note:
ERP= Conducted Power(dBm) - LC(dB) + GT(dBd)
GT(dBd)=GT(dBi)-2.15

PCS Band (Part 24E)

PCS 1900

Test Mode	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
GSM	29.65	29.63	29.29	**24.95**	33
GPRS 1 Slot	29.62	29.6	29.27	24.92	33
GPRS 2 Slots	28.84	28.84	28.53	24.14	33
GPRS 3 Slots	26.94	27	26.77	22.30	33
GPRS 4 Slots	25.84	25.93	25.77	21.23	33
EDGE 1 Slot	25.66	25.53	25.85	21.15	33
EDGE 2 Slots	24.62	24.4	24.86	20.16	33
EDGE 3 Slots	22.59	22.44	22.69	17.99	33
EDGE 4 Slots	21.57	21.36	21.86	17.16	33
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)					

WCDMA B2

Test Mode	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
WCDMA R99	22.34	22.49	22.78	**18.08**	33
HSDPA Subtest 1	20.71	20.95	21.13	16.43	33
HSDPA Subtest 2	20.77	21.00	21.21	16.51	33
HSDPA Subtest 3	20.82	21.02	21.28	16.58	33
HSDPA Subtest 4	20.84	21.05	21.30	16.60	33
HSUPA Subtest 1	20.65	20.57	21.04	16.34	33
HSUPA Subtest 2	20.68	20.62	21.06	16.36	33
HSUPA Subtest 3	20.71	20.64	21.11	16.41	33
HSUPA Subtest 4	20.74	20.72	21.18	16.48	33
HSUPA Subtest 5	20.77	20.78	21.22	16.52	33
HSPA+ Subtest 1	20.83	20.82	21.23	16.53	33
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)					

AWS Band

WCDMA B4

Test Mode	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
WCDMA R99	23.19	23.18	22.83	**17.49**	30
HSDPA Subtest 1	21.39	21.73	21.19	16.03	30
HSDPA Subtest 2	21.44	21.75	21.26	16.05	30
HSDPA Subtest 3	21.51	21.78	21.31	16.08	30
HSDPA Subtest 4	21.57	21.85	21.37	16.15	30
HSUPA Subtest 1	21.47	21.49	21.00	15.79	30
HSUPA Subtest 2	21.53	21.52	21.04	15.83	30
HSUPA Subtest 3	21.56	21.60	21.11	15.90	30
HSUPA Subtest 4	21.62	21.63	21.14	15.93	30
HSUPA Subtest 5	21.70	21.69	21.16	16.00	30
HSPA+ Subtest 1	21.74	21.74	21.26	16.04	30
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)					

LTE Band

Band 2

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	19.96	20.28	20.47	15.80	33.00
	RB1#3	19.97	20.31	20.47		
	RB1#5	19.97	20.31	20.46		
	RB3#0	19.99	20.28	20.50		
	RB3#3	19.99	20.34	20.47		
	RB6#0	18.97	19.24	19.47		
1.4MHz 16QAM	RB1#0	19.10	19.30	19.46	14.97	33.00
	RB1#3	19.12	19.34	19.50		
	RB1#5	19.09	19.33	19.44		
	RB3#0	18.95	19.37	19.60		
	RB3#3	18.98	19.35	19.67		
	RB6#0	17.95	18.17	18.45		
1.4MHz 64QAM	RB1#0	17.17	17.00	17.34	12.68	33.00
	RB1#3	17.05	17.02	17.32		
	RB1#5	17.23	17.22	16.98		
	RB3#0	16.85	17.18	17.38		
	RB3#3	17.13	16.90	17.08		
	RB6#0	17.03	17.10	17.18		
1.4MHz 256QAM	RB1#0	15.11	14.93	15.26	10.56	33.00
	RB1#3	15.07	15.21	15.04		
	RB1#5	14.97	15.21	15.22		
	RB3#0	14.91	14.93	15.02		
	RB3#3	15.15	15.15	15.18		
	RB6#0	15.11	15.13	15.14		
3MHz QPSK	RB1#0	19.93	20.28	20.45	15.76	33.00
	RB1#8	19.95	20.30	20.46		
	RB1#14	19.96	20.31	20.44		
	RB6#0	19.00	19.27	19.54		
	RB6#9	18.99	19.28	19.51		
	RB15#0	18.95	19.28	19.49		
3MHz 16QAM	RB1#0	19.15	19.35	20.04	15.36	33.00
	RB1#8	19.09	19.35	20.06		
	RB1#14	19.08	19.33	20.05		
	RB6#0	18.00	18.20	18.63		
	RB6#9	18.01	18.22	18.55		
	RB15#0	17.87	18.30	18.60		
3MHz 64QAM	RB1#0	17.21	16.95	17.18	12.66	33.00
	RB1#8	17.01	17.13	17.36		
	RB1#14	17.11	17.21	17.04		

	RB6#0	17.19	16.93	17.24		
	RB6#9	16.93	16.93	17.08		
	RB15#0	17.05	17.09	17.16		
3MHz 256QAM	RB1#0	15.02	15.22	15.26	10.56	33.00
	RB1#8	14.96	15.24	15.26		
	RB1#14	15.16	15.20	15.16		
	RB6#0	14.88	15.16	14.92		
	RB6#9	14.80	15.24	15.12		
	RB15#0	14.98	15.10	15.12		
5MHz QPSK	RB1#0	20.08	20.28	20.56	15.87	33.00
	RB1#13	20.09	20.33	20.56		
	RB1#24	20.08	20.34	20.57		
	RB15#0	18.94	19.28	19.55		
	RB15#10	18.99	19.25	19.38		
	RB25#0	18.97	19.25	19.45		
5MHz 16QAM	RB1#0	19.38	19.37	19.36	14.72	33.00
	RB1#13	19.38	19.42	19.39		
	RB1#24	19.33	19.41	19.41		
	RB15#0	17.90	18.27	18.57		
	RB15#10	17.92	18.27	18.37		
	RB25#0	17.95	18.26	18.52		
5MHz 64QAM	RB1#0	16.95	16.93	17.36	12.66	33.00
	RB1#13	17.21	17.09	17.12		
	RB1#24	17.23	17.25	17.02		
	RB15#0	17.23	17.21	17.30		
	RB15#10	17.09	16.95	17.16		
	RB25#0	17.03	17.07	17.16		
5MHz 256QAM	RB1#0	14.85	14.87	15.23	10.61	33.00
	RB1#13	14.93	15.11	15.31		
	RB1#24	14.71	14.87	15.23		
	RB15#0	14.97	15.19	15.31		
	RB15#10	14.95	15.03	14.97		
	RB25#0	14.89	15.03	15.15		
10MHz QPSK	RB1#0	20.03	20.27	20.49	15.79	33.00
	RB1#25	19.98	20.33	20.45		
	RB1#49	20.01	20.35	20.45		
	RB25#0	18.90	19.26	19.54		
	RB25#25	19.00	19.27	19.36		
	RB50#0	18.99	19.31	19.49		
10MHz 16QAM	RB1#0	19.17	19.28	20.05	15.37	33.00
	RB1#25	19.13	19.33	20.01		
	RB1#49	19.18	19.33	20.07		
	RB25#0	17.94	18.35	18.57		
	RB25#25	18.03	18.37	18.40		
	RB50#0	17.94	18.30	18.42		
10MHz 64QAM	RB1#0	16.88	17.10	17.35	12.69	33.00
	RB1#25	16.82	17.22	17.39		

	RB1#49	16.82	17.20	17.33		
	RB25#0	16.86	17.38	17.11		
	RB25#25	17.16	17.10	17.17		
	RB50#0	16.98	17.18	17.19		
10MHz 256QAM	RB1#0	14.99	15.29	15.05	10.59	33.00
	RB1#25	14.85	15.13	15.07		
	RB1#49	14.97	15.25	15.23		
	RB25#0	14.97	14.95	15.21		
	RB25#25	14.67	15.07	15.17		
	RB50#0	14.81	15.13	15.07		
15MHz QPSK	RB1#0	20.01	20.25	20.38	15.76	33.00
	RB1#38	20.06	20.37	20.46		
	RB1#74	20.06	20.32	20.44		
	RB36#0	18.94	19.27	19.47		
	RB36#39	19.05	19.37	19.38		
	RB75#0	19.06	19.32	19.44		
15MHz 16QAM	RB1#0	19.17	19.67	20.00	**15.38**	33.00
	RB1#38	19.19	19.78	20.08		
	RB1#74	19.20	19.77	20.07		
	RB36#0	17.98	18.27	18.32		
	RB36#39	18.06	18.32	18.44		
	RB75#0	18.05	18.27	18.48		
15MHz 64QAM	RB1#0	17.15	17.01	17.03	12.47	33.00
	RB1#38	17.03	17.01	16.95		
	RB1#74	16.85	17.17	17.01		
	RB36#0	17.09	17.01	16.95		
	RB36#39	17.05	16.91	16.97		
	RB75#0	17.03	17.09	17.13		
15MHz 256QAM	RB1#0	14.97	15.07	15.05	10.65	33.00
	RB1#38	14.79	15.29	15.35		
	RB1#74	14.85	15.25	15.31		
	RB36#0	14.97	15.03	15.05		
	RB36#39	14.91	15.09	15.01		
	RB75#0	14.89	15.11	15.15		
20MHz QPSK	RB1#0	20.06	20.34	20.55	**15.88**	33.00
	RB1#50	20.09	20.45	20.56		
	RB1#99	20.19	20.41	20.58		
	RB50#0	18.97	19.34	19.47		
	RB50#50	19.16	19.44	19.37		
	RB100#0	19.08	19.39	19.40		
20MHz 16QAM	RB1#0	19.64	19.69	19.74	15.08	33.00
	RB1#50	19.65	19.76	19.78		
	RB1#99	19.75	19.69	19.78		
	RB50#0	17.92	18.33	18.44		
	RB50#50	18.14	18.38	18.34		
	RB100#0	18.07	18.37	18.36		
20MHz	RB1#0	16.84	17.33	16.98	12.71	33.00

64QAM	RB1#50	16.94	17.41	17.20		
	RB1#99	17.02	17.35	17.12		
	RB50#0	16.92	17.29	17.18		
	RB50#50	17.08	17.25	17.12		
	RB100#0	16.96	17.23	17.12		
20MHz 256QAM	RB1#0	14.45	15.33	15.13	10.63	33.00
	RB1#50	14.67	15.33	15.17		
	RB1#99	14.49	14.95	14.89		
	RB50#0	14.43	15.05	15.23		
	RB50#50	14.47	15.25	15.19		
	RB100#0	14.57	15.13	15.07		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 4

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	18.13	18.50	18.41	12.87	30
	RB1#3	18.02	18.48	18.44		
	RB1#5	18.06	18.51	18.41		
	RB3#0	18.12	18.55	18.56		
	RB3#3	18.13	18.52	18.57		
	RB6#0	17.11	17.60	17.52		
1.4MHz 16QAM	RB1#0	17.14	17.73	17.52	12.05	30
	RB1#3	17.19	17.75	17.53		
	RB1#5	17.14	17.74	17.55		
	RB3#0	17.25	17.51	17.54		
	RB3#3	17.27	17.55	17.55		
	RB6#0	16.12	16.61	16.41		
1.4MHz 64QAM	RB1#0	16.04	16.07	16.24	10.59	30
	RB1#3	16.29	16.14	16.03		
	RB1#5	16.15	16.19	15.88		
	RB3#0	16.23	16.02	15.90		
	RB3#3	16.12	16.00	15.89		
	RB6#0	16.05	16.17	16.13		
1.4MHz 256QAM	RB1#0	14.56	15.04	14.24	9.34	30
	RB1#3	14.62	14.83	14.47		
	RB1#5	15.03	14.61	14.39		
	RB3#0	14.75	14.80	14.50		
	RB3#3	14.62	14.76	14.61		
	RB6#0	14.64	14.69	14.30		
3MHz QPSK	RB1#0	18.17	18.75	18.40	**13.05**	30
	RB1#8	18.13	18.58	18.43		
	RB1#14	18.13	18.66	18.37		
	RB6#0	17.27	17.57	17.56		
	RB6#9	17.18	17.55	17.55		
	RB15#0	17.19	17.56	17.55		
3MHz 16QAM	RB1#0	17.29	18.06	17.69	**12.44**	30
	RB1#8	17.32	18.09	17.64		
	RB1#14	17.23	18.14	17.64		
	RB6#0	16.18	16.69	16.56		
	RB6#9	16.14	16.61	16.58		
	RB15#0	16.21	16.65	16.45		
3MHz 64QAM	RB1#0	16.48	16.70	16.77	11.20	30
	RB1#8	16.47	16.90	16.49		
	RB1#14	16.83	16.79	16.75		
	RB6#0	15.77	15.63	15.68		
	RB6#9	15.99	15.62	15.65		

	RB15#0	15.71	15.74	15.51		
3MHz 256QAM	RB1#0	15.06	14.84	14.72	9.57	30
	RB1#8	15.20	15.04	15.27		
	RB1#14	14.99	15.11	14.89		
	RB6#0	14.78	15.05	14.72		
	RB6#9	14.93	14.88	14.82		
	RB15#0	14.99	14.93	14.63		
5MHz QPSK	RB1#0	18.22	17.25	16.25	12.52	30
	RB1#13	18.07	17.15	16.10		
	RB1#24	18.01	17.06	16.07		
	RB15#0	16.88	16.09	15.14		
	RB15#10	16.85	16.03	15.02		
	RB25#0	16.87	16.05	15.06		
5MHz 16QAM	RB1#0	17.29	16.94	15.66	11.59	30
	RB1#13	17.17	16.81	15.48		
	RB1#24	17.12	16.72	15.43		
	RB15#0	16.31	15.44	15.75		
	RB15#10	16.27	15.39	15.62		
	RB25#0	16.32	15.46	15.68		
5MHz 64QAM	RB1#0	16.99	17.10	16.71	11.40	30
	RB1#13	16.63	16.90	16.72		
	RB1#24	17.07	16.85	16.42		
	RB15#0	15.84	15.78	15.72		
	RB15#10	15.80	15.76	15.63		
	RB25#0	15.77	15.68	15.58		
5MHz 256QAM	RB1#0	14.65	14.55	14.61	9.20	30
	RB1#13	14.42	14.56	14.56		
	RB1#24	14.53	14.79	14.90		
	RB15#0	14.51	14.74	14.40		
	RB15#10	14.56	14.47	14.56		
	RB25#0	14.54	14.44	14.39		
10MHz QPSK	RB1#0	18.03	17.38	16.37	12.33	30
	RB1#25	17.84	17.08	16.14		
	RB1#49	17.65	16.81	15.92		
	RB25#0	16.85	16.15	16.74		
	RB25#25	16.69	15.93	16.70		
	RB50#0	16.80	16.06	16.74		
10MHz 16QAM	RB1#0	17.89	16.93	17.26	12.19	30
	RB1#25	17.74	16.63	17.13		
	RB1#49	17.60	16.41	17.07		
	RB25#0	16.28	15.58	17.41		
	RB25#25	16.14	15.36	17.38		
	RB50#0	16.15	15.43	17.32		
10MHz 64QAM	RB1#0	17.09	16.80	16.84	11.42	30
	RB1#25	16.96	17.12	17.08		
	RB1#49	17.01	17.04	16.81		
	RB25#0	15.56	15.51	15.59		

	RB25#25	15.65	15.74	15.55		
	RB50#0	15.62	15.77	15.62		
10MHz 256QAM	RB1#0	14.70	14.86	14.91	9.21	30
	RB1#25	14.73	14.90	14.71		
	RB1#49	14.66	14.49	14.50		
	RB25#0	14.31	14.42	14.55		
	RB25#25	14.29	14.39	14.24		
	RB50#0	14.23	14.45	14.46		
15MHz QPSK	RB1#0	18.09	18.00	17.75	12.39	30
	RB1#38	18.09	17.98	17.66		
	RB1#74	18.01	17.83	17.50		
	RB36#0	17.03	17.03	16.70		
	RB36#39	16.99	16.93	16.55		
	RB75#0	17.03	17.02	16.68		
15MHz 16QAM	RB1#0	17.93	17.60	17.76	12.27	30
	RB1#38	17.97	17.56	17.59		
	RB1#74	17.96	17.42	17.45		
	RB36#0	16.47	16.42	17.34		
	RB36#39	16.44	16.30	17.20		
	RB75#0	16.46	16.40	17.32		
15MHz 64QAM	RB1#0	17.01	16.74	16.64	11.39	30
	RB1#38	17.09	17.02	16.90		
	RB1#74	16.91	16.99	16.79		
	RB36#0	15.92	15.85	15.73		
	RB36#39	16.03	15.83	15.71		
	RB75#0	15.89	15.67	15.68		
15MHz 256QAM	RB1#0	14.63	14.69	14.77	9.23	30
	RB1#38	14.93	14.62	14.75		
	RB1#74	14.70	14.77	14.60		
	RB36#0	14.60	14.67	14.50		
	RB36#39	14.66	14.57	14.46		
	RB75#0	14.63	14.52	14.40		
20MHz QPSK	RB1#0	18.00	18.09	17.95	12.39	30
	RB1#50	18.04	18.03	17.71		
	RB1#99	18.00	17.74	17.56		
	RB50#0	17.07	17.10	16.84		
	RB50#50	16.95	16.96	16.78		
	RB100#0	17.03	17.01	16.82		
20MHz 16QAM	RB1#0	17.73	17.74	18.02	12.32	30
	RB1#50	17.76	17.67	17.88		
	RB1#99	17.74	17.46	17.67		
	RB50#0	16.40	16.47	17.43		
	RB50#50	16.35	16.33	17.35		
	RB100#0	16.43	16.42	17.38		
20MHz 64QAM	RB1#0	16.82	16.99	17.24	11.54	30
	RB1#50	16.88	17.20	16.93		
	RB1#99	16.82	16.90	16.92		

	RB50#0	15.71	15.82	15.68		
	RB50#50	15.73	15.65	15.74		
	RB100#0	15.70	15.84	15.80		
20MHz 256QAM	RB1#0	14.87	14.80	14.86	9.34	30
	RB1#50	14.66	14.61	14.57		
	RB1#99	15.04	14.76	14.68		
	RB50#0	14.52	14.53	14.51		
	RB50#50	14.53	14.56	14.41		
	RB100#0	14.51	14.67	14.48		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 5

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	24.11	24.04	23.95	14.78	38.45
	RB1#3	24.11	24	23.93		
	RB1#5	24.09	24	23.93		
	RB3#0	24.23	24.11	24.09		
	RB3#3	24.2	24.09	24.1		
	RB6#0	23.16	23.18	23.05		
1.4MHz 16QAM	RB1#0	23.27	23.27	23.08	13.92	38.45
	RB1#3	23.32	23.26	23.07		
	RB1#5	23.23	23.24	23.05		
	RB3#0	23.33	23.12	23.09		
	RB3#3	23.37	23.1	23.03		
	RB6#0	22.13	22.21	21.95		
1.4MHz 64QAM	RB1#0	21.94	22.17	22.05	12.79	38.45
	RB1#3	22.24	22.05	21.99		
	RB1#5	22.04	22.01	21.81		
	RB3#0	21.91	21.85	21.73		
	RB3#3	21.93	21.99	21.55		
	RB6#0	21.18	21.26	21.41		
1.4MHz 256QAM	RB1#0	19.29	19.21	19.7	10.38	38.45
	RB1#3	19.4	19.61	19.83		
	RB1#5	19.53	19.62	19.69		
	RB3#0	19.32	19.35	19.51		
	RB3#3	19.27	19.31	19.31		
	RB6#0	19.14	19.2	19.4		
3MHz QPSK	RB1#0	24.42	24.05	24.01	**14.97**	38.45
	RB1#8	24.18	23.98	23.97		
	RB1#14	24.4	24.01	23.95		
	RB6#0	23.16	23.23	23.14		
	RB6#9	23.13	23.13	23.03		
	RB15#0	23.16	23.15	23.08		
3MHz 16QAM	RB1#0	23.62	23.34	23.18	**14.18**	38.45
	RB1#8	23.63	23.24	23.07		
	RB1#14	23.58	23.24	23.13		
	RB6#0	22.24	22.21	22.01		
	RB6#9	22.18	22.16	21.95		
	RB15#0	22.25	22.1	22.1		
3MHz 64QAM	RB1#0	22.2	22.17	22.02	13.28	38.45
	RB1#8	22.19	22.05	22.73		
	RB1#14	22.16	22.16	22.35		
	RB6#0	21.49	21.45	21.57		
	RB6#9	21.53	21.09	21.66		
	RB15#0	21.35	21.28	21.5		

3MHz 256QAM	RB1#0	19.4	19.64	19.75	10.41	38.45
	RB1#8	19.56	19.53	19.86		
	RB1#14	19.55	19.54	19.64		
	RB6#0	19.18	19.36	19.56		
	RB6#9	19.31	19.21	19.46		
	RB15#0	19.25	19.17	19.41		
5MHz QPSK	RB1#0	24.32	24.08	24.04	14.87	38.45
	RB1#13	24.24	23.98	24		
	RB1#24	24.25	24.01	23.97		
	RB15#0	23.05	23.02	23.09		
	RB15#10	23.01	23.01	22.9		
	RB25#0	23	23	22.94		
5MHz 16QAM	RB1#0	23.02	23.35	23.09	13.90	38.45
	RB1#13	22.93	23.28	23.03		
	RB1#24	22.97	23.29	22.94		
	RB15#0	22.1	21.99	22.06		
	RB15#10	22	21.98	21.93		
	RB25#0	22.05	22.05	21.97		
5MHz 64QAM	RB1#0	22.06	22.2	22.25	13.07	38.45
	RB1#13	21.8	22.52	21.99		
	RB1#24	21.98	22.22	22.14		
	RB15#0	21.32	21.49	21.68		
	RB15#10	21.33	21.29	21.57		
	RB25#0	21.3	21.32	21.46		
5MHz 256QAM	RB1#0	19.28	19.98	19.76	10.53	38.45
	RB1#13	19.12	19.62	19.43		
	RB1#24	19.74	19.64	19.6		
	RB15#0	19.21	19.33	19.45		
	RB15#10	19.39	19.28	19.36		
	RB25#0	19.27	19.21	19.37		
10MHz QPSK	RB1#0	24.16	24.08	24.17	14.72	38.45
	RB1#25	24.07	24.05	24.05		
	RB1#49	24.01	24.03	24.02		
	RB25#0	23.07	23.1	23.02		
	RB25#25	23.08	23.07	22.95		
	RB50#0	23.12	23.1	22.97		
10MHz 16QAM	RB1#0	23.32	23.05	23.59	14.14	38.45
	RB1#25	23.25	23.07	23.48		
	RB1#49	23.19	23.04	23.4		
	RB25#0	22.1	22.19	22.07		
	RB25#25	22.11	22.15	22		
	RB50#0	22.07	22.11	21.98		
10MHz 64QAM	RB1#0	22.28	22.39	22.45	13.22	38.45
	RB1#25	22.67	22.49	22.01		
	RB1#49	22.12	22.07	21.97		
	RB25#0	21.39	21.47	21.33		
	RB25#25	21.56	21.21	21.26		

	RB50#0	21.46	21.34	21.36		
10MHz 256QAM	RB1#0	19.41	19.68	19.25	10.35	38.45
	RB1#25	19.79	19.3	19.45		
	RB1#49	19.8	19.7	19.51		
	RB25#0	19.35	19.42	19.2		
	RB25#25	19.52	19.25	19.27		
	RB50#0	19.44	19.36	19.32		

Note:
ERP= Conducted Power(dBm) - LC(dB) + GT(dBd)
GT(dBd)=GT(dBi)-2.15

Band 7

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	21.71	22.61	22.56	**20.03**	33
	RB1#13	22.92	22.58	22.55		
	RB1#24	22.93	22.58	22.55		
	RB15#0	21.70	21.63	21.58		
	RB15#10	21.74	21.59	21.56		
	RB25#0	21.71	21.60	21.54		
5MHz 16QAM	RB1#0	21.57	21.91	21.62	19.01	33
	RB1#13	21.62	21.88	21.58		
	RB1#24	21.64	21.87	21.59		
	RB15#0	20.74	20.63	20.60		
	RB15#10	20.77	20.57	20.58		
	RB25#0	20.81	20.63	20.59		
5MHz 64QAM	RB1#0	20.54	20.69	20.59	17.87	33
	RB1#13	20.56	20.67	20.71		
	RB1#24	20.77	20.48	20.48		
	RB15#0	19.44	19.46	19.51		
	RB15#10	19.57	19.37	19.49		
	RB25#0	19.40	19.38	19.34		
5MHz 256QAM	RB1#0	17.62	17.42	17.45	14.72	33
	RB1#13	17.38	17.49	17.41		
	RB1#24	17.45	17.43	17.31		
	RB15#0	17.33	17.39	17.38		
	RB15#10	17.45	17.32	17.33		
	RB25#0	17.46	17.20	17.25		
10MHz QPSK	RB1#0	22.64	22.65	22.62	19.81	33
	RB1#25	22.70	22.61	22.63		
	RB1#49	22.71	22.58	22.59		
	RB25#0	21.68	21.67	21.55		
	RB25#25	21.78	21.65	21.61		
	RB50#0	21.78	21.67	21.62		
10MHz 16QAM	RB1#0	21.83	21.68	22.03	19.13	33
	RB1#25	21.91	21.64	22.00		
	RB1#49	21.89	21.59	21.97		
	RB25#0	20.73	20.76	20.66		
	RB25#25	20.84	20.71	20.68		
	RB50#0	20.75	20.68	20.60		
10MHz 64QAM	RB1#0	20.66	20.49	20.41	17.83	33
	RB1#25	20.60	20.67	20.48		
	RB1#49	20.67	20.73	20.33		
	RB25#0	19.37	19.47	19.25		
	RB25#25	19.46	19.40	19.22		
	RB50#0	19.46	19.42	19.28		

10MHz 256QAM	RB1#0	17.50	17.54	17.59	14.76	33
	RB1#25	17.46	17.66	17.51		
	RB1#49	17.32	17.43	17.32		
	RB25#0	17.31	17.45	17.28		
	RB25#25	17.45	17.27	17.21		
	RB50#0	17.35	17.38	17.20		
15MHz QPSK	RB1#0	22.63	22.58	22.55	19.84	33
	RB1#38	22.74	22.55	22.60		
	RB1#74	22.62	22.50	22.53		
	RB36#0	21.67	21.61	21.49		
	RB36#39	21.69	21.58	21.56		
	RB75#0	21.75	21.60	21.56		
15MHz 16QAM	RB1#0	21.82	22.04	22.04	19.14	33
	RB1#38	21.93	21.99	22.04		
	RB1#74	21.83	21.94	22.00		
	RB36#0	20.75	20.66	20.58		
	RB36#39	20.75	20.56	20.58		
	RB75#0	20.76	20.56	20.62		
15MHz 64QAM	RB1#0	20.61	20.85	20.58	17.95	33
	RB1#38	20.66	20.53	20.56		
	RB1#74	20.71	20.66	20.54		
	RB36#0	19.52	19.59	19.29		
	RB36#39	19.49	19.52	19.32		
	RB75#0	19.48	19.51	19.35		
15MHz 256QAM	RB1#0	17.52	17.84	17.77	14.94	33
	RB1#38	17.62	17.76	17.58		
	RB1#74	17.74	17.70	17.57		
	RB36#0	17.48	17.42	17.30		
	RB36#39	17.60	17.35	17.27		
	RB75#0	17.43	17.31	17.29		
20MHz QPSK	RB1#0	22.72	22.63	22.57	19.85	33
	RB1#50	22.75	22.60	22.48		
	RB1#99	22.64	22.48	22.44		
	RB50#0	21.77	21.68	21.65		
	RB50#50	21.80	21.60	21.63		
	RB100#0	21.78	21.62	21.66		
20MHz 16QAM	RB1#0	22.01	22.37	21.88	**19.47**	33
	RB1#50	22.02	22.28	21.83		
	RB1#99	21.92	22.20	21.74		
	RB50#0	20.74	20.70	20.62		
	RB50#50	20.80	20.59	20.63		
	RB100#0	20.77	20.60	20.65		
20MHz 64QAM	RB1#0	20.81	20.90	20.69	18	33
	RB1#50	20.47	20.59	20.67		
	RB1#99	20.65	20.61	20.48		
	RB50#0	19.51	19.55	19.45		
	RB50#50	19.61	19.47	19.30		

	RB100#0	19.48	19.45	19.41		
20MHz 256QAM	RB1#0	17.72	17.71	17.79	14.89	33
	RB1#50	17.55	17.68	17.62		
	RB1#99	17.43	17.40	17.30		
	RB50#0	17.32	17.44	17.32		
	RB50#50	17.38	17.34	17.31		
	RB100#0	17.41	17.47	17.28		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 12

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	23.93	24.00	23.95	15.09	34.77
	RB1#3	23.93	23.99	24.01		
	RB1#5	23.95	23.97	23.99		
	RB3#0	24.04	24.08	24.09		
	RB3#3	24.05	24.14	24.14		
	RB6#0	23.05	23.09	23.11		
1.4MHz 16QAM	RB1#0	23.16	23.09	23.14	14.23	34.77
	RB1#3	23.19	23.10	23.24		
	RB1#5	23.18	23.11	23.17		
	RB3#0	22.95	23.08	23.21		
	RB3#3	23.00	23.10	23.28		
	RB6#0	22.58	22.38	22.49		
1.4MHz 64QAM	RB1#0	22.14	22.22	22.00	13.49	34.77
	RB1#3	22.10	22.42	21.84		
	RB1#5	22.54	22.33	21.88		
	RB3#0	22.17	22.24	21.78		
	RB3#3	22.21	22.34	21.80		
	RB6#0	21.14	21.37	21.47		
1.4MHz 256QAM	RB1#0	19.39	19.22	19.89	10.84	34.77
	RB1#3	19.09	19.28	19.78		
	RB1#5	19.69	19.47	19.25		
	RB3#0	19.16	19.30	19.48		
	RB3#3	19.14	19.33	19.74		
	RB6#0	19.18	19.23	19.32		
3MHz QPSK	RB1#0	24.04	24.32	23.85	15.27	34.77
	RB1#8	23.96	24.07	23.98		
	RB1#14	24.04	24.07	23.97		
	RB6#0	23.07	23.03	23.18		
	RB6#9	23.09	23.01	23.22		
	RB15#0	23.08	23.03	23.12		
3MHz 16QAM	RB1#0	23.25	23.48	23.11	14.47	34.77
	RB1#8	23.06	23.52	23.19		
	RB1#14	23.28	23.49	23.23		
	RB6#0	22.44	22.58	22.63		
	RB6#9	22.49	22.49	22.59		
	RB15#0	22.56	22.54	22.49		
3MHz 64QAM	RB1#0	22.16	22.18	22.31	13.45	34.77
	RB1#8	22.50	21.97	21.99		
	RB1#14	22.23	21.59	21.94		
	RB6#0	21.18	21.05	21.63		
	RB6#9	21.03	21.00	21.40		
	RB15#0	21.14	21.10	21.32		

3MHz 256QAM	RB1#0	19.21	19.50	19.55	10.50	34.77
	RB1#8	19.38	19.36	19.52		
	RB1#14	19.44	19.31	19.30		
	RB6#0	19.15	19.17	19.35		
	RB6#9	19.06	19.11	19.21		
	RB15#0	19.11	19.02	19.29		
5MHz QPSK	RB1#0	24.03	24.13	24.30	**15.28**	34.77
	RB1#13	24.04	24.08	24.27		
	RB1#24	24.14	24.14	24.33		
	RB15#0	23.05	23.07	23.10		
	RB15#10	23.09	22.99	23.01		
	RB25#0	23.06	23.06	23.00		
5MHz 16QAM	RB1#0	23.30	23.11	23.02	14.35	34.77
	RB1#13	23.32	23.10	22.97		
	RB1#24	23.40	23.13	23.03		
	RB15#0	22.39	22.51	22.59		
	RB15#10	22.48	22.46	22.43		
	RB25#0	22.47	22.48	22.54		
5MHz 64QAM	RB1#0	22.22	22.36	22.28	13.55	34.77
	RB1#13	22.51	22.46	22.38		
	RB1#24	22.60	22.30	22.41		
	RB15#0	21.28	21.15	21.18		
	RB15#10	21.23	21.03	21.15		
	RB25#0	21.26	21.05	21.09		
5MHz 256QAM	RB1#0	19.80	19.62	19.31	10.75	34.77
	RB1#13	19.25	19.32	19.30		
	RB1#24	19.43	19.38	19.46		
	RB15#0	19.17	19.17	19.21		
	RB15#10	19.14	19.08	19.06		
	RB25#0	19.20	19.15	19.10		
10MHz QPSK	RB1#0	24.07	24.14	24.02	15.13	34.77
	RB1#25	24.12	24.13	24.07		
	RB1#49	24.05	24.18	24.09		
	RB25#0	22.98	23.09	23.07		
	RB25#25	22.99	23.07	23.00		
	RB50#0	23.04	23.11	23.05		
10MHz 16QAM	RB1#0	23.11	23.61	23.19	**14.56**	34.77
	RB1#25	23.17	23.56	23.21		
	RB1#49	23.10	23.56	23.26		
	RB25#0	22.50	22.59	22.54		
	RB25#25	22.52	22.54	22.50		
	RB50#0	22.46	22.49	22.48		
10MHz 64QAM	RB1#0	22.85	22.61	22.58	13.80	34.77
	RB1#25	22.73	22.41	22.31		
	RB1#49	22.35	22.28	22.48		
	RB25#0	21.19	21.27	21.18		
	RB25#25	21.18	21.24	21.17		

	RB50#0	21.20	21.22	21.18		
10MHz 256QAM	RB1#0	19.61	19.29	19.79	10.74	34.77
	RB1#25	19.67	19.41	19.26		
	RB1#49	19.27	19.58	19.55		
	RB25#0	19.16	19.25	19.16		
	RB25#25	19.11	19.12	19.14		
	RB50#0	19.20	19.23	19.14		

Note:
ERP= Conducted Power(dBm) - LC(dB) + GT(dBd)
GT(dBd)=GT(dBi)-2.15

Band 17

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	24.05	24.06	24.27	**15.23**	34.77
	RB1#13	23.97	24.08	24.27		
	RB1#24	24.01	24.05	24.28		
	RB15#0	23.05	23.07	23.04		
	RB15#10	22.97	23.06	22.98		
	RB25#0	22.98	23.03	22.99		
5MHz 16QAM	RB1#0	23.33	23.05	23.01	14.28	34.77
	RB1#13	23.26	23.08	22.97		
	RB1#24	23.26	23.00	23.01		
	RB15#0	22.49	22.52	22.62		
	RB15#10	22.44	22.54	22.43		
	RB25#0	22.50	22.52	22.58		
5MHz 64QAM	RB1#0	22.68	22.81	22.75	13.85	34.77
	RB1#13	22.58	22.87	22.77		
	RB1#24	22.85	22.90	22.58		
	RB15#0	21.62	21.71	21.59		
	RB15#10	21.55	21.60	21.48		
	RB25#0	21.57	21.52	21.36		
5MHz 256QAM	RB1#0	19.68	19.62	19.95	10.92	34.77
	RB1#13	19.53	19.57	19.55		
	RB1#24	19.45	19.97	19.25		
	RB15#0	19.49	19.41	19.55		
	RB15#10	19.51	19.55	19.53		
	RB25#0	19.64	18.86	19.50		
10MHz QPSK	RB1#0	24.11	23.99	24.08	15.12	34.77
	RB1#25	23.99	24.02	24.17		
	RB1#49	24.03	24.02	24.14		
	RB25#0	23.02	23.04	23.03		
	RB25#25	23.00	23.06	23.00		
	RB50#0	23.07	23.05	23.02		
10MHz 16QAM	RB1#0	23.16	23.06	23.50	**14.49**	34.77
	RB1#25	23.14	23.08	23.54		
	RB1#49	23.16	23.04	23.51		
	RB25#0	22.59	22.62	22.56		
	RB25#25	22.53	22.62	22.54		
	RB50#0	22.57	22.55	22.54		
10MHz 64QAM	RB1#0	22.91	22.87	22.62	13.86	34.77
	RB1#25	22.46	22.70	22.77		
	RB1#49	22.57	22.75	22.73		
	RB25#0	21.62	21.66	21.61		
	RB25#25	21.59	21.55	21.47		
	RB50#0	21.55	21.62	21.59		

10MHz 256QAM	RB1#0	19.71	19.44	20.10	11.05	34.77
	RB1#25	19.92	19.87	19.81		
	RB1#49	19.52	19.55	19.67		
	RB25#0	19.59	19.58	19.48		
	RB25#25	19.55	19.54	19.45		
	RB50#0	19.56	19.49	19.53		
Note: ERP= Conducted Power(dBm) - LC(dB) + GT(dBd) GT(dBd)=GT(dBi)-2.15						

Band 38

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.11	23.02	22.97	**20.4**	33
	RB1#13	23.30	23.01	22.91		
	RB1#24	23.30	22.99	22.90		
	RB15#0	22.12	22.02	21.86		
	RB15#10	22.07	22.02	21.83		
	RB25#0	22.11	22.03	21.85		
5MHz 16QAM	RB1#0	22.13	22.10	22.14	19.25	33
	RB1#13	22.15	22.06	22.11		
	RB1#24	22.11	22.05	22.12		
	RB15#0	21.05	21.01	20.87		
	RB15#10	21.03	21.04	20.87		
	RB25#0	21.10	21.07	20.83		
5MHz 64QAM	RB1#0	20.69	20.48	20.37	17.79	33
	RB1#13	20.68	20.38	20.35		
	RB1#24	20.65	20.41	20.40		
	RB15#0	19.76	19.52	19.40		
	RB15#10	19.73	19.49	19.41		
	RB25#0	19.72	19.46	19.38		
5MHz 256QAM	RB1#0	17.63	17.62	17.33	14.97	33
	RB1#13	17.66	17.55	17.32		
	RB1#24	17.63	17.42	17.35		
	RB15#0	17.87	17.45	17.39		
	RB15#10	17.65	17.48	17.36		
	RB25#0	17.73	17.52	17.37		
10MHz QPSK	RB1#0	23.16	23.11	22.96	20.26	33
	RB1#25	23.12	23.11	22.93		
	RB1#49	23.16	23.04	22.88		
	RB25#0	22.13	22.08	21.95		
	RB25#25	22.19	22.02	21.85		
	RB50#0	22.15	22.03	21.92		
10MHz 16QAM	RB1#0	22.32	22.29	21.87	19.45	33
	RB1#25	22.32	22.26	21.81		
	RB1#49	22.35	22.21	21.80		
	RB25#0	21.13	21.04	20.99		
	RB25#25	21.20	20.99	20.89		
	RB50#0	21.16	21.02	20.90		
10MHz 64QAM	RB1#0	20.72	20.56	20.48	17.83	33
	RB1#25	20.73	20.53	20.36		
	RB1#49	20.67	20.43	20.41		
	RB25#0	19.74	19.56	19.48		
	RB25#25	19.77	19.53	19.41		
	RB50#0	19.84	19.55	19.53		

10MHz 256QAM	RB1#0	17.78	17.61	17.38	14.92	33
	RB1#25	17.64	17.39	17.34		
	RB1#49	17.67	17.43	17.29		
	RB25#0	17.63	17.52	17.47		
	RB25#25	17.82	17.49	17.40		
	RB50#0	17.76	17.53	17.47		
15MHz QPSK	RB1#0	23.15	23.06	23.06	20.3	33
	RB1#38	23.20	23.01	22.96		
	RB1#74	23.13	22.94	22.87		
	RB36#0	22.07	21.99	21.85		
	RB36#39	22.16	22.01	21.87		
	RB75#0	22.11	21.99	21.93		
15MHz 16QAM	RB1#0	22.33	22.03	22.17	19.49	33
	RB1#38	22.39	21.98	22.11		
	RB1#74	22.32	21.91	22.03		
	RB36#0	21.14	20.98	21.01		
	RB36#39	21.11	20.99	20.90		
	RB75#0	21.09	21.01	20.88		
15MHz 64QAM	RB1#0	20.68	20.56	20.37	17.78	33
	RB1#38	20.65	20.44	20.28		
	RB1#74	20.54	20.35	20.30		
	RB36#0	19.74	19.49	19.37		
	RB36#39	19.65	19.44	19.34		
	RB75#0	19.71	19.28	19.31		
15MHz 256QAM	RB1#0	17.73	17.56	17.33	14.83	33
	RB1#38	17.66	17.44	17.28		
	RB1#74	17.58	17.35	17.26		
	RB36#0	17.70	17.48	17.31		
	RB36#39	17.65	17.40	17.31		
	RB75#0	17.64	17.42	17.36		
20MHz QPSK	RB1#0	23.23	23.11	23.00	20.33	33
	RB1#50	23.20	23.03	22.90		
	RB1#99	23.05	22.91	22.80		
	RB50#0	22.10	22.02	21.93		
	RB50#50	22.18	22.04	21.86		
	RB100#0	22.19	22.01	21.96		
20MHz 16QAM	RB1#0	22.54	22.20	21.98	**19.66**	33
	RB1#50	22.56	22.10	21.91		
	RB1#99	22.45	21.99	21.78		
	RB50#0	21.15	21.00	21.01		
	RB50#50	21.19	21.00	20.90		
	RB100#0	21.16	21.01	20.92		
20MHz 64QAM	RB1#0	20.78	20.88	20.43	17.98	33
	RB1#50	20.69	20.51	20.36		
	RB1#99	20.51	20.38	20.28		
	RB50#0	19.79	19.53	19.44		
	RB50#50	19.76	19.48	19.41		

	RB100#0	19.71	19.52	19.39		
20MHz 256QAM	RB1#0	17.78	17.69	17.58	14.88	33
	RB1#50	17.72	17.40	17.30		
	RB1#99	17.60	17.31	17.34		
	RB50#0	17.73	17.55	17.41		
	RB50#50	17.75	17.52	17.37		
	RB100#0	17.67	17.47	17.32		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 40

LTE Band 40 Lower:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.24	23.33	23.41	**20.52**	24
	RB1#13	23.24	23.28	23.41		
	RB1#24	23.26	23.30	23.42		
	RB15#0	22.25	22.23	22.25		
	RB15#10	22.25	22.24	22.23		
	RB25#0	22.25	22.26	22.23		
5MHz 16QAM	RB1#0	22.31	22.50	22.29	**19.61**	24
	RB1#13	22.33	22.47	22.26		
	RB1#24	22.31	22.51	22.26		
	RB15#0	21.27	21.26	21.19		
	RB15#10	21.25	21.29	21.16		
	RB25#0	21.30	21.23	21.25		
5MHz 64QAM	RB1#0	20.32	20.61	20.48	17.71	24
	RB1#13	20.23	20.55	20.48		
	RB1#24	20.31	20.58	20.45		
	RB15#0	19.37	19.56	19.58		
	RB15#10	19.33	19.68	19.59		
	RB25#0	19.40	19.64	19.48		
5MHz 256QAM	RB1#0	17.30	17.60	17.53	14.7	24
	RB1#13	17.28	17.46	17.40		
	RB1#24	17.35	17.55	17.48		
	RB15#0	17.39	17.57	17.50		
	RB15#10	17.32	17.60	17.43		
	RB25#0	17.30	17.58	17.46		
10MHz QPSK	RB1#0	/	23.26	/	20.36	24
	RB1#25	/	23.26	/		
	RB1#49	/	23.25	/		
	RB25#0	/	22.21	/		
	RB25#25	/	22.27	/		
	RB50#0	/	22.30	/		
10MHz 16QAM	RB1#0	/	22.19	/	19.29	24
	RB1#25	/	22.17	/		
	RB1#49	/	22.17	/		
	RB25#0	/	21.27	/		
	RB25#25	/	21.31	/		
	RB50#0	/	21.26	/		
10MHz 64QAM	RB1#0	/	20.66	/	17.76	24
	RB1#25	/	20.63	/		
	RB1#49	/	20.58	/		
	RB25#0	/	19.60	/		
	RB25#25	/	19.65	/		

	RB50#0	/	19.74	/		
10MHz 256QAM	RB1#0	/	17.65	/	14.78	24
	RB1#25	/	17.54	/		
	RB1#49	/	17.66	/		
	RB25#0	/	17.68	/		
	RB25#25	/	17.55	/		
	RB50#0	/	17.65	/		

LTE Band 40 Upper:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	22.98	22.99	22.95	**20.13**	24
	RB1#13	22.97	22.85	22.91		
	RB1#24	23.03	22.88	22.94		
	RB15#0	21.78	21.84	21.85		
	RB15#10	21.83	21.81	21.83		
	RB25#0	21.81	21.82	21.85		
5MHz 16QAM	RB1#0	21.85	21.96	22.11	**19.27**	24
	RB1#13	21.81	21.92	22.09		
	RB1#24	21.86	21.94	22.17		
	RB15#0	20.71	20.84	20.87		
	RB15#10	20.73	20.86	20.83		
	RB25#0	20.83	20.84	20.77		
5MHz 64QAM	RB1#0	20.60	20.70	20.67	17.85	24
	RB1#13	20.58	20.66	20.69		
	RB1#24	20.63	20.65	20.75		
	RB15#0	19.68	19.73	19.72		
	RB15#10	19.66	19.80	19.70		
	RB25#0	19.67	19.68	19.67		
5MHz 256QAM	RB1#0	17.56	17.71	17.72	14.82	24
	RB1#13	17.51	17.57	17.67		
	RB1#24	17.59	17.60	17.69		
	RB15#0	17.62	17.63	17.72		
	RB15#10	17.66	17.62	17.61		
	RB25#0	17.60	17.68	17.69		
10MHz QPSK	RB1#0	/	22.89	/	20.02	24
	RB1#25	/	22.89	/		
	RB1#49	/	22.92	/		
	RB25#0	/	21.86	/		
	RB25#25	/	21.84	/		
	RB50#0	/	21.87	/		
10MHz 16QAM	RB1#0	/	21.79	/	18.92	24
	RB1#25	/	21.79	/		
	RB1#49	/	21.82	/		
	RB25#0	/	20.92	/		
	RB25#25	/	20.91	/		

	RB50#0	/	20.82	/		
10MHz 64QAM	RB1#0	/	20.68	/	17.78	24
	RB1#25	/	20.67	/		
	RB1#49	/	20.65	/		
	RB25#0	/	19.73	/		
	RB25#25	/	19.70	/		
	RB50#0	/	19.72	/		
10MHz 256QAM	RB1#0	/	17.67	/	14.87	24
	RB1#25	/	17.56	/		
	RB1#49	/	17.77	/		
	RB25#0	/	17.70	/		
	RB25#25	/	17.66	/		
	RB50#0	/	17.75	/		

Note:
For 5MHz mode, the channel power is equal to the test result in dBm/5MHz.
EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)
EIRP PSD=Conducted PSD(dBm/5MHz) - LC(dB) + GT(dBi)

Band 41

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.51	23.03	22.80	**20.61**	33
	RB1#13	23.47	23.01	22.78		
	RB1#24	23.48	23.03	22.77		
	RB15#0	22.31	22.03	21.72		
	RB15#10	22.30	21.98	21.69		
	RB25#0	22.28	21.97	21.74		
5MHz 16QAM	RB1#0	22.31	22.10	21.99	19.42	33
	RB1#13	22.32	22.06	22.00		
	RB1#24	22.31	22.05	22.04		
	RB15#0	21.27	21.01	20.76		
	RB15#10	21.21	21.02	20.73		
	RB25#0	21.28	21.05	20.66		
5MHz 64QAM	RB1#0	20.96	20.43	20.52	18.13	33
	RB1#13	21.02	20.35	20.48		
	RB1#24	21.03	20.31	20.49		
	RB15#0	20.00	19.44	19.58		
	RB15#10	20.01	19.41	19.42		
	RB25#0	19.98	19.38	19.53		
5MHz 256QAM	RB1#0	17.95	17.40	17.46	15.09	33
	RB1#13	17.94	17.34	17.38		
	RB1#24	17.99	17.53	17.49		
	RB15#0	17.93	17.51	17.52		
	RB15#10	17.96	17.42	17.43		
	RB25#0	17.98	17.40	17.48		
10MHz QPSK	RB1#0	23.34	23.11	22.74	20.47	33
	RB1#25	23.37	23.05	22.76		
	RB1#49	23.33	23.01	22.78		
	RB25#0	22.28	22.03	21.68		
	RB25#25	22.31	22.01	21.66		
	RB50#0	22.37	22.03	21.66		
10MHz 16QAM	RB1#0	22.53	22.03	21.85	**19.66**	33
	RB1#25	22.52	21.96	21.83		
	RB1#49	22.56	21.94	21.87		
	RB25#0	21.27	21.09	20.71		
	RB25#25	21.28	21.04	20.71		
	RB50#0	21.34	21.01	20.71		
10MHz 64QAM	RB1#0	21.01	20.52	20.57	18.13	33
	RB1#25	21.03	20.45	20.54		
	RB1#49	21.00	20.38	20.46		
	RB25#0	20.03	19.48	19.61		
	RB25#25	20.13	19.41	19.58		
	RB50#0	20.08	19.52	19.62		

10MHz 256QAM	RB1#0	18.05	17.46	17.55	15.25	33
	RB1#25	17.99	17.38	17.49		
	RB1#49	18.15	17.32	17.50		
	RB25#0	18.06	17.47	17.62		
	RB25#25	18.08	17.45	17.54		
	RB50#0	18.11	17.43	17.60		
15MHz QPSK	RB1#0	23.42	23.18	22.68	20.55	33
	RB1#38	23.45	23.10	22.70		
	RB1#74	23.37	23.04	22.71		
	RB36#0	22.34	22.07	21.67		
	RB36#39	22.28	21.99	21.61		
	RB75#0	22.32	22.04	21.71		
15MHz 16QAM	RB1#0	22.52	22.33	21.60	19.65	33
	RB1#38	22.55	22.28	21.66		
	RB1#74	22.54	22.21	21.67		
	RB36#0	21.42	21.01	20.62		
	RB36#39	21.36	20.98	20.56		
	RB75#0	21.31	20.97	20.67		
15MHz 64QAM	RB1#0	20.95	20.48	20.53	18.08	33
	RB1#38	20.97	20.39	20.51		
	RB1#74	20.98	20.30	20.48		
	RB36#0	20.00	19.43	19.51		
	RB36#39	20.03	19.34	19.48		
	RB75#0	19.99	19.43	19.53		
15MHz 256QAM	RB1#0	17.92	17.51	17.52	15.06	33
	RB1#38	17.95	17.34	17.45		
	RB1#74	17.92	17.28	17.48		
	RB36#0	17.91	17.39	17.50		
	RB36#39	17.96	17.29	17.42		
	RB75#0	17.92	17.35	17.50		
20MHz QPSK	RB1#0	23.31	23.08	22.83	20.43	33
	RB1#50	23.33	23.05	22.84		
	RB1#99	23.25	22.95	22.81		
	RB50#0	22.28	22.04	21.75		
	RB50#50	22.34	22.10	21.69		
	RB100#0	22.34	22.10	21.69		
20MHz 16QAM	RB1#0	22.40	22.12	22.07	19.55	33
	RB1#50	22.45	22.08	22.02		
	RB1#99	22.34	21.94	22.07		
	RB50#0	21.29	21.07	20.77		
	RB50#50	21.33	21.10	20.70		
	RB100#0	21.30	21.08	20.73		
20MHz 64QAM	RB1#0	21.11	20.51	20.58	18.21	33
	RB1#50	21.05	20.36	20.52		
	RB1#99	20.98	20.30	20.49		
	RB50#0	20.04	19.44	19.66		
	RB50#50	20.14	19.46	19.77		

	RB100#0	20.07	19.45	19.56		
20MHz 256QAM	RB1#0	18.24	17.54	17.61	15.34	33
	RB1#50	17.99	17.40	17.51		
	RB1#99	17.97	17.26	17.49		
	RB50#0	18.04	17.38	17.70		
	RB50#50	18.11	17.48	17.53		
	RB100#0	17.92	17.39	17.58		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 42

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	12.09	12.07	12.03	**10.29**	30
	RB1#13	11.99	11.97	11.95		
	RB1#24	12.04	12.05	12.04		
	RB15#0	10.98	10.87	10.92		
	RB15#10	10.95	10.85	10.87		
	RB25#0	10.93	10.86	10.89		
5MHz 16QAM	RB1#0	11.14	11.23	11.02	**9.48**	30
	RB1#13	11.03	11.10	10.95		
	RB1#24	11.10	11.28	11.02		
	RB15#0	9.96	9.87	9.81		
	RB15#10	9.92	9.83	9.80		
	RB25#0	9.97	9.81	9.90		
5MHz 64QAM	RB1#0	9.40	9.23	9.33	7.89	30
	RB1#13	9.36	9.39	9.57		
	RB1#24	9.54	9.13	9.69		
	RB15#0	9.46	9.43	9.61		
	RB15#10	9.36	9.31	9.55		
	RB25#0	9.38	9.33	9.49		
5MHz 256QAM	RB1#0	7.60	7.45	7.39	5.91	30
	RB1#13	7.26	7.59	7.37		
	RB1#24	7.54	7.39	7.43		
	RB15#0	7.54	7.49	7.61		
	RB15#10	7.32	7.41	7.71		
	RB25#0	7.40	7.41	7.51		
10MHz QPSK	RB1#0	12.05	11.85	11.88	10.25	30
	RB1#25	11.97	11.87	11.88		
	RB1#49	12.02	11.97	11.93		
	RB25#0	10.95	10.77	10.75		
	RB25#25	10.87	10.80	10.76		
	RB50#0	10.88	10.82	10.81		
10MHz 16QAM	RB1#0	11.20	10.78	10.96	9.40	30
	RB1#25	11.05	10.73	10.91		
	RB1#49	11.11	10.81	10.98		
	RB25#0	9.82	9.73	9.76		
	RB25#25	9.81	9.77	9.74		
	RB50#0	9.81	9.69	9.75		
10MHz 64QAM	RB1#0	9.54	9.72	9.53	8.06	30
	RB1#25	9.30	9.52	9.35		
	RB1#49	9.50	9.86	9.49		
	RB25#0	9.34	9.72	9.45		
	RB25#25	9.28	9.64	9.51		
	RB50#0	9.42	9.72	9.53		

10MHz 256QAM	RB1#0	7.45	7.85	7.65	6.15	30
	RB1#25	7.51	7.93	7.61		
	RB1#49	7.57	7.95	7.69		
	RB25#0	7.33	7.77	7.75		
	RB25#25	7.43	7.75	7.47		
	RB50#0	7.45	7.75	7.55		
15MHz QPSK	RB1#0	11.90	11.83	11.82	10.10	30
	RB1#38	11.80	11.78	11.80		
	RB1#74	11.88	11.88	11.90		
	RB36#0	10.84	10.75	10.81		
	RB36#39	10.79	10.79	11.11		
	RB75#0	10.79	10.76	11.14		
15MHz 16QAM	RB1#0	11.06	10.79	10.92	9.26	30
	RB1#38	10.96	10.72	10.89		
	RB1#74	11.02	10.81	11.02		
	RB36#0	9.79	9.72	9.75		
	RB36#39	9.75	9.72	9.79		
	RB75#0	9.70	9.74	9.73		
15MHz 64QAM	RB1#0	9.36	9.74	9.36	8.04	30
	RB1#38	9.44	9.52	9.64		
	RB1#74	9.48	9.50	9.50		
	RB36#0	9.56	9.84	9.60		
	RB36#39	9.28	9.70	9.70		
	RB75#0	9.40	9.66	9.54		
15MHz 256QAM	RB1#0	7.25	7.49	7.63	6.03	30
	RB1#38	7.53	7.71	7.53		
	RB1#74	7.51	7.83	7.53		
	RB36#0	7.21	7.57	7.51		
	RB36#39	7.33	7.65	7.49		
	RB75#0	7.37	7.67	7.59		
20MHz QPSK	RB1#0	12.00	11.81	11.78	10.20	30
	RB1#50	11.85	11.78	11.67		
	RB1#99	11.82	11.82	11.80		
	RB50#0	10.93	10.64	10.64		
	RB50#50	10.81	10.71	10.72		
	RB100#0	10.87	10.62	10.74		
20MHz 16QAM	RB1#0	10.97	11.03	10.84	9.24	30
	RB1#50	10.73	10.94	10.73		
	RB1#99	10.81	11.04	10.88		
	RB50#0	9.87	9.62	9.60		
	RB50#50	9.80	9.66	9.67		
	RB100#0	9.76	9.62	9.66		
20MHz 64QAM	RB1#0	9.43	9.81	9.48	8.07	30
	RB1#50	9.59	9.61	9.42		
	RB1#99	9.35	9.79	9.58		
	RB50#0	9.31	9.49	9.44		
	RB50#50	9.49	9.87	9.60		

	RB100#0	9.39	9.69	9.56		
20MHz 256QAM	RB1#0	7.51	7.46	7.51	6.02	30
	RB1#50	7.25	7.82	7.73		
	RB1#99	7.35	7.52	7.71		
	RB50#0	7.31	7.76	7.57		
	RB50#50	7.45	7.46	7.47		
	RB100#0	7.41	7.64	7.55		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Band 66

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	18.93	18.79	18.59	13.23	30
	RB1#3	18.90	18.81	18.61		
	RB1#5	18.91	18.81	18.63		
	RB3#0	18.92	18.81	18.65		
	RB3#3	18.93	18.78	18.68		
	RB6#0	17.92	17.77	17.62		
1.4MHz 16QAM	RB1#0	17.90	17.96	17.61	12.41	30
	RB1#3	17.95	17.95	17.64		
	RB1#5	17.91	17.96	17.63		
	RB3#0	18.08	17.80	17.68		
	RB3#3	18.11	17.77	17.70		
	RB6#0	16.89	16.76	16.51		
1.4MHz 64QAM	RB1#0	17.18	16.94	17.14	11.72	30
	RB1#3	17.42	17.14	17.26		
	RB1#5	17.28	17.16	17.00		
	RB3#0	17.34	17.00	17.00		
	RB3#3	17.02	17.34	16.96		
	RB6#0	17.22	17.14	17.10		
1.4MHz 256QAM	RB1#0	15.35	15.07	15.11	9.65	30
	RB1#3	15.25	15.05	14.87		
	RB1#5	15.29	15.17	15.03		
	RB3#0	15.17	15.09	14.95		
	RB3#3	15.03	15.19	15.21		
	RB6#0	15.17	15.13	15.05		
3MHz QPSK	RB1#0	18.90	18.84	18.72	13.20	30
	RB1#8	18.90	18.72	18.63		
	RB1#14	18.83	18.81	18.62		
	RB6#0	17.92	17.83	17.69		
	RB6#9	17.84	17.79	17.65		
	RB15#0	17.87	17.78	17.62		
3MHz 16QAM	RB1#0	18.05	18.36	17.82	12.70	30
	RB1#8	17.95	18.40	17.73		
	RB1#14	17.88	18.30	17.77		
	RB6#0	16.86	16.91	16.69		
	RB6#9	16.80	16.85	16.68		
	RB15#0	16.90	16.88	16.53		
3MHz 64QAM	RB1#0	17.15	17.12	17.27	11.77	30
	RB1#8	17.45	17.34	17.09		
	RB1#14	17.47	17.34	17.21		
	RB6#0	17.47	17.06	17.19		
	RB6#9	17.29	17.28	16.97		
	RB15#0	17.31	17.24	17.07		

3MHz 256QAM	RB1#0	15.16	15.08	15.27	9.74	30
	RB1#8	15.42	15.12	15.35		
	RB1#14	15.44	14.88	15.25		
	RB6#0	15.30	14.92	15.01		
	RB6#9	15.18	15.20	15.21		
	RB15#0	15.26	15.08	15.15		
5MHz QPSK	RB1#0	19.04	18.97	18.81	13.34	30
	RB1#13	18.90	18.90	18.72		
	RB1#24	18.89	18.96	18.79		
	RB15#0	17.90	17.82	17.65		
	RB15#10	17.78	17.80	17.61		
	RB25#0	17.81	17.77	17.63		
5MHz 16QAM	RB1#0	18.13	17.84	18.08	12.43	30
	RB1#13	17.96	17.77	17.99		
	RB1#24	17.92	17.80	18.06		
	RB15#0	16.88	16.79	16.62		
	RB15#10	16.82	16.76	16.62		
	RB25#0	16.84	16.80	16.62		
5MHz 64QAM	RB1#0	17.38	16.91	17.20	11.68	30
	RB1#13	16.98	16.95	16.92		
	RB1#24	17.22	17.05	17.28		
	RB15#0	17.12	17.01	16.92		
	RB15#10	17.04	17.21	16.94		
	RB25#0	17.18	17.07	17.10		
5MHz 256QAM	RB1#0	15.32	14.99	14.95	9.62	30
	RB1#13	15.00	15.03	14.91		
	RB1#24	14.96	15.15	15.11		
	RB15#0	15.06	15.03	14.91		
	RB15#10	14.92	14.87	14.99		
	RB25#0	15.12	15.07	14.99		
10MHz QPSK	RB1#0	19.03	18.97	18.85	**13.37**	30
	RB1#25	18.81	18.87	18.71		
	RB1#49	19.07	18.92	18.74		
	RB25#0	17.83	17.79	17.72		
	RB25#25	17.82	17.85	17.70		
	RB50#0	17.84	17.85	17.72		
10MHz 16QAM	RB1#0	18.17	18.60	17.95	**12.90**	30
	RB1#25	17.94	18.42	17.84		
	RB1#49	18.19	18.48	17.90		
	RB25#0	16.83	16.84	16.72		
	RB25#25	16.81	16.87	16.70		
	RB50#0	16.82	16.81	16.67		
10MHz 64QAM	RB1#0	17.25	17.05	16.86	11.55	30
	RB1#25	17.05	17.07	17.12		
	RB1#49	17.11	16.95	16.96		
	RB25#0	16.95	17.05	17.14		
	RB25#25	17.25	17.25	16.90		

	RB50#0	17.13	17.15	17.00		
10MHz 256QAM	RB1#0	14.93	14.98	15.19	9.67	30
	RB1#25	15.29	14.92	15.25		
	RB1#49	14.95	14.98	15.17		
	RB25#0	14.99	14.88	15.21		
	RB25#25	15.09	15.02	15.37		
	RB50#0	15.13	15.06	15.19		
15MHz QPSK	RB1#0	18.97	18.89	18.70	13.27	30
	RB1#38	18.89	18.81	18.64		
	RB1#74	18.89	18.75	18.60		
	RB36#0	17.87	17.78	17.71		
	RB36#39	17.86	17.74	17.64		
	RB75#0	17.91	17.78	17.70		
15MHz 16QAM	RB1#0	18.12	18.34	18.38	12.68	30
	RB1#38	18.05	18.24	18.29		
	RB1#74	18.07	18.17	18.23		
	RB36#0	16.92	16.76	16.69		
	RB36#39	16.85	16.73	16.64		
	RB75#0	16.87	16.72	16.67		
15MHz 64QAM	RB1#0	17.26	16.93	17.03	11.72	30
	RB1#38	17.30	17.09	17.01		
	RB1#74	17.14	17.07	16.97		
	RB36#0	17.14	17.03	17.13		
	RB36#39	17.42	17.17	17.19		
	RB75#0	17.24	17.11	17.03		
15MHz 256QAM	RB1#0	15.30	14.96	14.90	9.78	30
	RB1#38	15.28	15.06	15.16		
	RB1#74	15.24	15.08	15.14		
	RB36#0	15.30	14.94	14.94		
	RB36#39	15.48	15.00	14.90		
	RB75#0	15.28	15.06	15.02		
20MHz QPSK	RB1#0	19.00	18.93	18.86	13.30	30
	RB1#50	18.94	18.80	18.77		
	RB1#99	18.86	18.70	18.69		
	RB50#0	17.98	17.75	17.72		
	RB50#50	17.81	17.72	17.65		
	RB100#0	17.88	17.72	17.68		
20MHz 16QAM	RB1#0	18.54	18.27	18.07	12.84	30
	RB1#50	18.45	18.12	17.90		
	RB1#99	18.38	18.06	17.87		
	RB50#0	16.93	16.68	16.68		
	RB50#50	16.77	16.67	16.60		
	RB100#0	16.86	16.70	16.65		
20MHz 64QAM	RB1#0	17.00	17.04	17.25	11.63	30
	RB1#50	17.00	17.22	17.33		
	RB1#99	17.06	17.14	17.31		
	RB50#0	17.12	16.96	17.31		

	RB50#50	17.22	16.94	17.27		
	RB100#0	17.20	17.12	17.13		
20MHz 256QAM	RB1#0	15.20	15.26	15.14	9.64	30
	RB1#50	15.34	15.12	15.16		
	RB1#99	15.04	14.94	15.24		
	RB50#0	15.34	15.16	15.24		
	RB50#50	15.32	15.16	15.06		
	RB100#0	15.16	15.14	15.18		
Note: EIRP=Conducted Power(dBm) - LC(dB) + GT(dBi)						

Peak-to-average ratio (PAR)

Cellular Band

GSM850

Test Mode	Peak-to-average Ratio (dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
GSM	4.68	4.35	4.25	13
EGPRS	4.12	3.98	3.81	13

WCDMA B5

Test Mode	Peak-to-average Ratio (dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
WCDMA R99	2.96	2.87	2.81	13
HSDPA	4.61	4.67	4.43	13
HSUPA	5.25	4.87	4.87	13

PCS Band

PCS1900

Test Mode	Peak-to-average Ratio (dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
GSM	5.32	5.23	5.17	13
EGPRS	4.72	4.58	4.26	13

WCDMA B2

Test Mode	Peak-to-average Ratio (dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
WCDMA R99	3.13	3.13	2.90	13
HSDPA	4.81	4.81	3.07	13
HSUPA	5.94	5.68	4.87	13

AWS Band

WCDMA B4

Test Mode	Peak-to-average Ratio (dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
WCDMA R99	2.84	3.04	2.78	13
HSDPA	4.55	3.65	4.46	13
HSUPA	5.01	5.74	4.93	13

LTE Band: *(pre-scan all bandwidth, the worst case as below)*

LTE Band 2 20MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio (dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	4.87	4.43	4.96	13
	RB100#0	5.36	5.39	5.04	13
20MHz 16QAM	RB1#0	5.86	5.10	5.86	13
	RB100#0	6.29	6.32	6.03	13
20MHz 64QAM	RB1#0	6.32	5.97	6.23	13
	RB100#0	6.61	6.61	6.41	13
20MHz 256QAM	RB1#0	7.48	7.33	7.22	13
	RB100#0	6.72	6.72	6.58	13

LTE Band 4 20MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	3.71	4.09	4.03	13
	RB100#0	5.04	5.13	4.87	13
20MHz 16QAM	RB1#0	4.61	4.84	4.90	13
	RB100#0	6.03	6.09	5.83	13
20MHz 64QAM	RB1#0	5.28	5.68	5.68	13
	RB100#0	6.49	6.52	6.35	13
20MHz 256QAM	RB1#0	7.28	7.36	6.99	13
	RB100#0	6.81	6.84	6.75	13

LTE Band 5 10MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	3.39	3.86	3.51	13
	RB50#0	4.64	4.49	4.38	13
10MHz 16QAM	RB1#0	4.29	4.81	4.32	13
	RB50#0	5.62	5.51	5.45	13
10MHz 64QAM	RB1#0	5.01	5.48	5.10	13
	RB50#0	5.94	5.86	5.71	13
10MHz 256QAM	RB1#0	6.23	6.29	6.55	13
	RB50#0	6.32	6.29	6.23	13

LTE Band 7 20MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	3.68	3.48	4.00	13
	RB100#0	4.87	4.72	4.78	13
20MHz 16QAM	RB1#0	4.58	4.26	4.87	13
	RB100#0	5.80	5.68	5.68	13
20MHz 64QAM	RB1#0	5.04	4.90	5.57	13
	RB100#0	6.14	6.09	6.12	13
20MHz 256QAM	RB1#0	6.75	6.70	7.13	13
	RB100#0	6.58	6.49	6.58	13

LTE Band 12 10MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	3.71	3.91	4.23	13
	RB50#0	4.61	4.64	4.61	13
10MHz 16QAM	RB1#0	4.61	4.90	4.96	13
	RB50#0	5.45	5.48	5.51	13
10MHz 64QAM	RB1#0	4.99	5.01	5.30	13
	RB50#0	6.00	5.97	5.97	13
10MHz 256QAM	RB1#0	6.55	6.55	6.64	13
	RB50#0	6.35	6.35	6.29	13

LTE Band 17 10MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	4.29	4.23	4.23	13
	RB50#0	4.70	4.67	4.61	13
10MHz 16QAM	RB1#0	5.16	5.19	4.96	13
	RB50#0	5.42	5.51	5.51	13
10MHz 64QAM	RB1#0	5.25	5.13	5.16	13
	RB50#0	5.97	5.94	5.91	13
10MHz 256QAM	RB1#0	6.70	6.55	6.52	13
	RB50#0	6.32	6.32	6.29	13

LTE Band 38 20MHz Bandwidth

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	8.06	7.80	7.97	13
	RB100#0	8.64	8.72	8.96	13
20MHz 16QAM	RB1#0	8.87	8.61	8.67	13
	RB100#0	9.54	9.59	9.83	13
20MHz 64QAM	RB1#0	9.48	9.28	9.45	13
	RB100#0	9.57	9.62	9.83	13
20MHz 256QAM	RB1#0	10.52	10.35	10.38	13
	RB100#0	9.94	9.97	10.03	13

LTE Band 41 20MHz Bandwidth

Test Bandwidth & Modulation	**Resource Block & RB offset**	**Peak-to-average Ratio(dB)**			**Limit (dB)**
		Lowest Channel	**Middle Channel**	**Highest Channel**	
20MHz QPSK	RB1#0	7.86	7.88	8.55	13
	RB100#0	8.81	8.72	9.16	13
20MHz 16QAM	RB1#0	8.67	8.72	9.28	13
	RB100#0	9.68	9.57	10.00	13
20MHz 64QAM	RB1#0	9.10	8.93	10.17	13
	RB100#0	10.06	9.59	9.94	13
20MHz 256QAM	RB1#0	10.26	10.38	9.83	13
	RB100#0	10.38	10.35	10.06	13

LTE Band 42 20MHz Bandwidth

Test Bandwidth & Modulation	**Resource Block & RB offset**	**Peak-to-average Ratio(dB)**			**Limit (dB)**
		Lowest Channel	**Middle Channel**	**Highest Channel**	
20MHz QPSK	RB1#0	9.62	9.13	9.42	13
	RB100#0	9.36	9.30	9.33	13
20MHz 16QAM	RB1#0	10.14	9.86	10.17	13
	RB100#0	10.12	10.09	10.09	13
20MHz 64QAM	RB1#0	10.52	10.46	10.52	13
	RB100#0	9.94	9.88	10.26	13
20MHz 256QAM	RB1#0	10.29	10.49	10.12	13
	RB100#0	9.97	10.23	10.29	13

LTE Band 66 20MHz Bandwidth

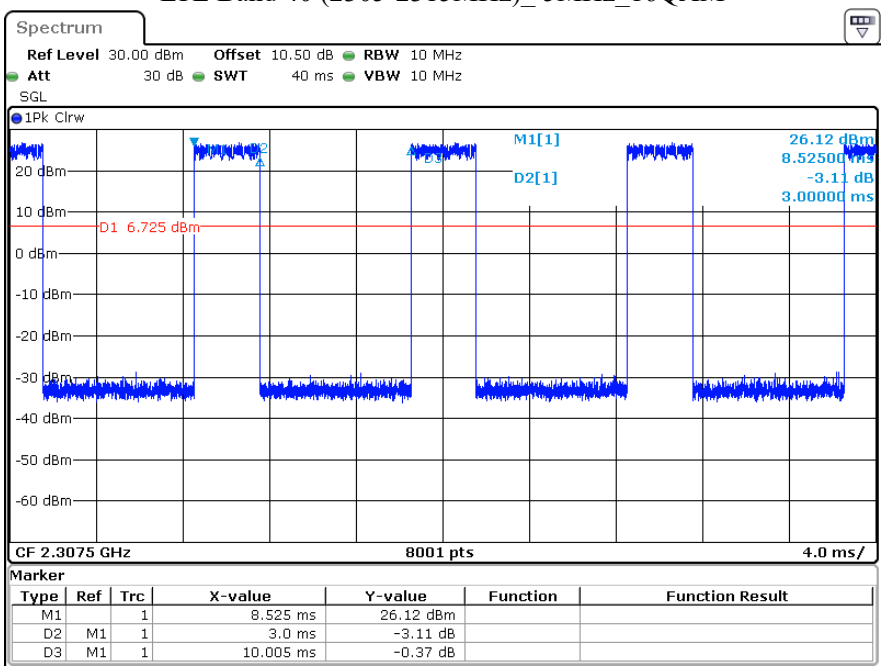
Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	3.65	4.06	3.94	13
	RB100#0	5.01	4.90	5.04	13
20MHz 16QAM	RB1#0	4.41	4.96	4.81	13
	RB100#0	6.03	5.86	6.00	13
20MHz 64QAM	RB1#0	5.25	5.71	5.51	13
	RB100#0	6.43	6.38	6.46	13
20MHz 256QAM	RB1#0	6.87	7.45	7.07	13
	RB100#0	6.78	6.75	6.75	13

LTE Band 40 Duty Cycle

Operation Band	Modulation	Bandwidth	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	Limit (%)
LTE Band 40 Lower	QPSK	5M	3	10.005	29.99	38
		10M	3	10.005	29.99	38
	16QAM	5M	3	10.005	29.99	38
		10M	3	10.005	29.99	38
LTE Band 40 Upper	QPSK	5M	3	10.005	29.99	38
		10M	3	10.005	29.99	38
	16QAM	5M	3	10.005	29.99	38
		10M	3	10.005	29.99	38

Duty Cycle

LTE Band 40 (2305-2315MHz)_ 5MHz_16QAM



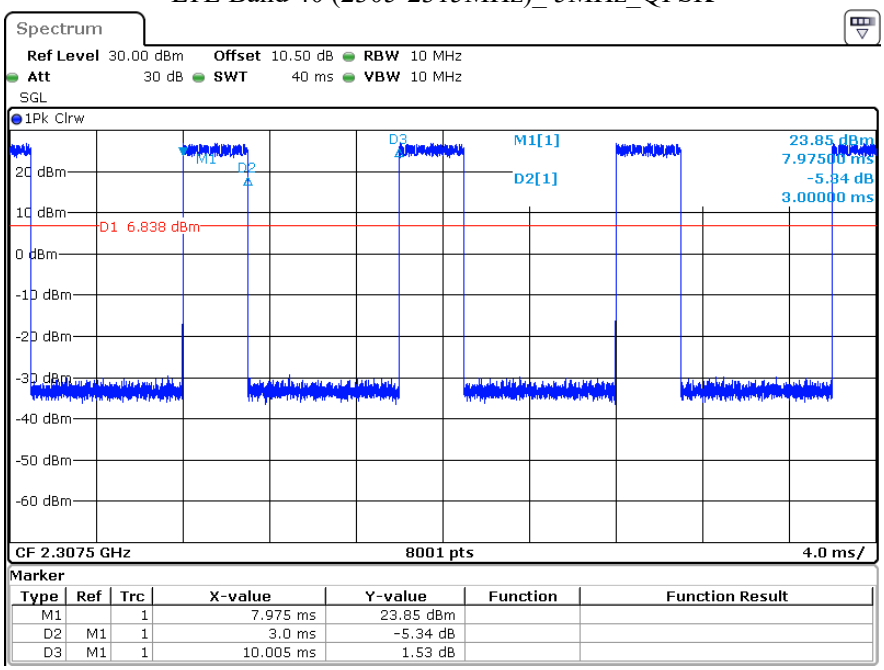
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	8.525 ms	26.12 dBm		
D2	M1	1	3.0 ms	-3.11 dB		
D3	M1	1	10.005 ms	-0.37 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:01:05

LTE Band 40 (2305-2315MHz)_ 5MHz_QPSK



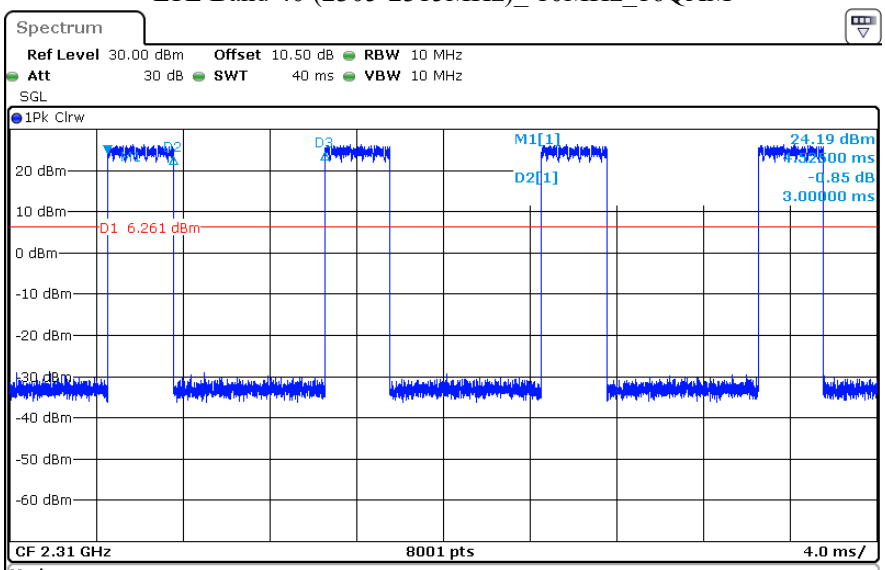
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	7.975 ms	23.85 dBm		
D2	M1	1	3.0 ms	-5.34 dB		
D3	M1	1	10.005 ms	1.53 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:01:25

LTE Band 40 (2305-2315MHz)_ 10MHz_16QAM



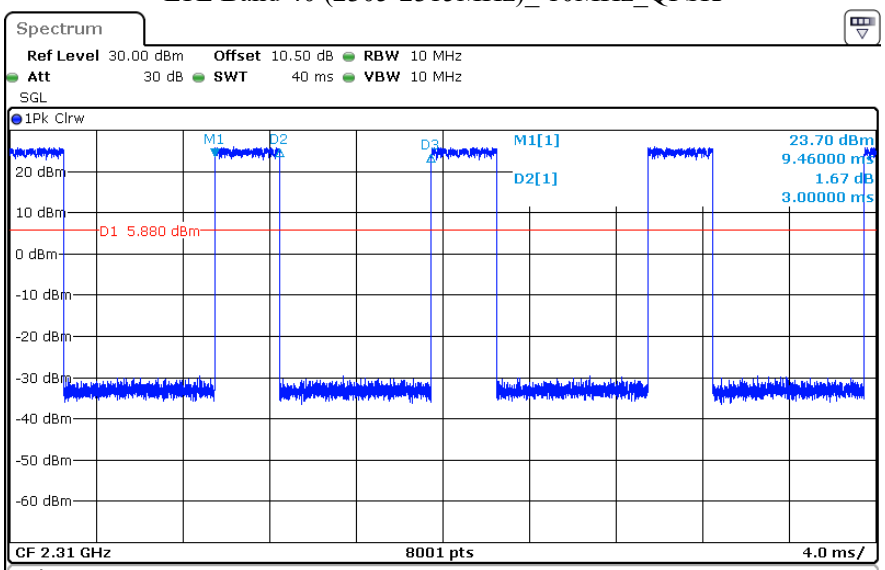
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	4.525 ms	24.19 dBm		
D2	M1	1	3.0 ms	-0.85 dB		
D3	M1	1	10.005 ms	0.31 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:02:31

LTE Band 40 (2305-2315MHz)_ 10MHz_QPSK



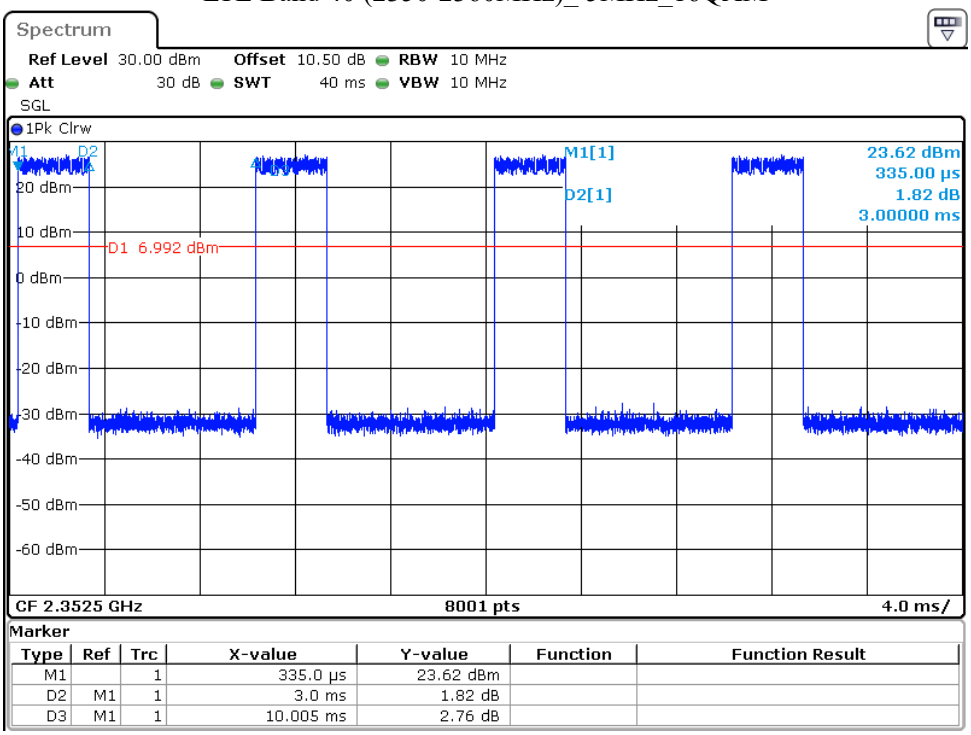
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	9.46 ms	23.70 dBm		
D2	M1	1	3.0 ms	1.67 dB		
D3	M1	1	10.005 ms	0.46 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:02:50

LTE Band 40 (2350-2360MHz)_ 5MHz_16QAM



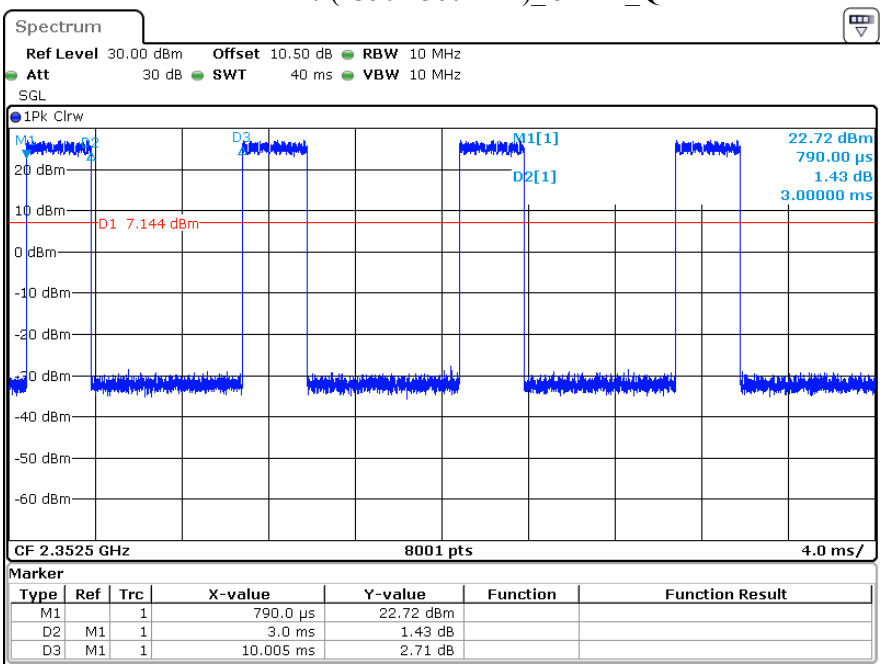
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	335.0 µs	23.62 dBm		
D2	M1	1	3.0 ms	1.82 dB		
D3	M1	1	10.005 ms	2.76 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:03:34

LTE Band 40 (2350-2360MHz)_ 5MHz_QPSK



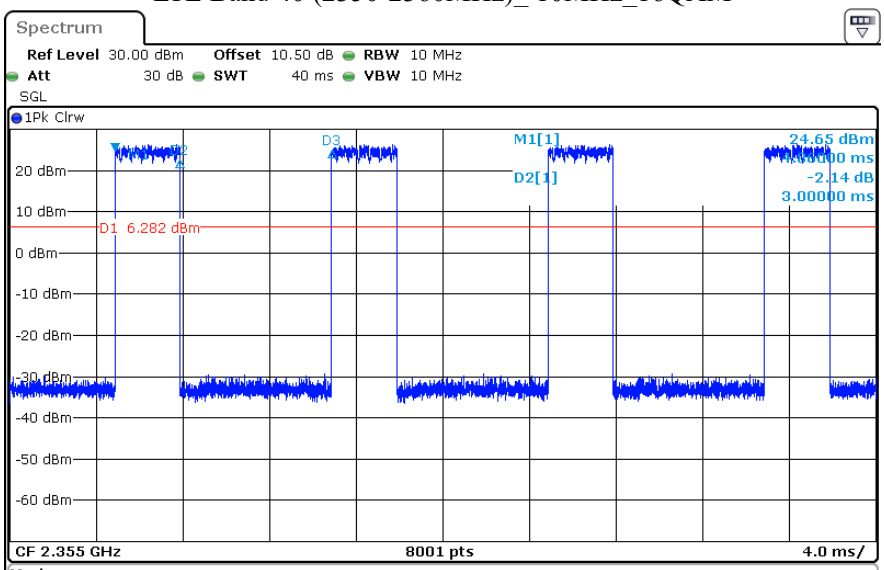
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	790.0 µs	22.72 dBm		
D2	M1	1	3.0 ms	1.43 dB		
D3	M1	1	10.005 ms	2.71 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:03:51

LTE Band 40 (2350-2360MHz)_ 10MHz_16QAM



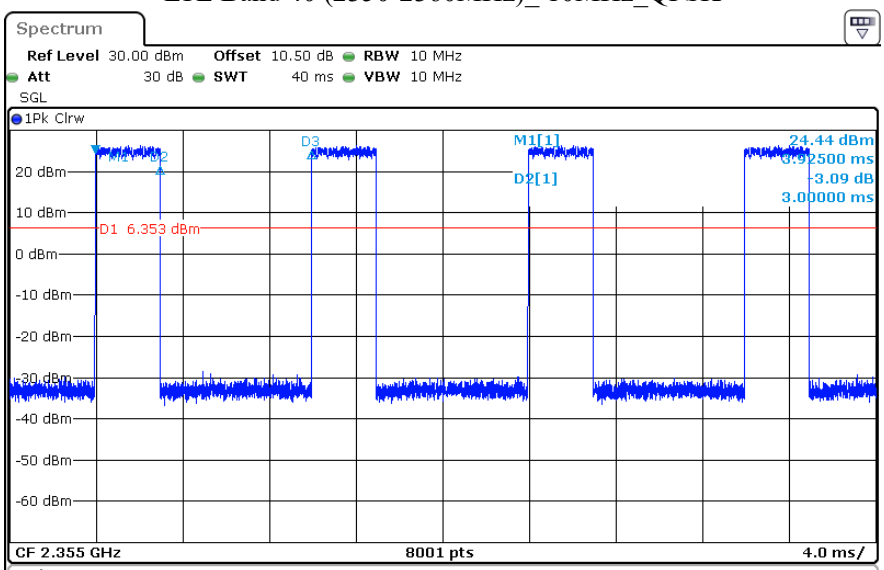
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	4.86 ms	24.65 dBm		
D2	M1	1	3.0 ms	-2.14 dB		
D3	M1	1	10.005 ms	0.42 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:04:22

LTE Band 40 (2350-2360MHz)_ 10MHz_QPSK



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.925 ms	24.44 dBm		
D2	M1	1	3.0 ms	-3.09 dB		
D3	M1	1	10.005 ms	0.52 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 23.JAN.2024 19:04:48

FCC §2.1049, §22.917, §22.905 & §24.238&§27.53 - OCCUPIED BANDWIDTH

Applicable Standard

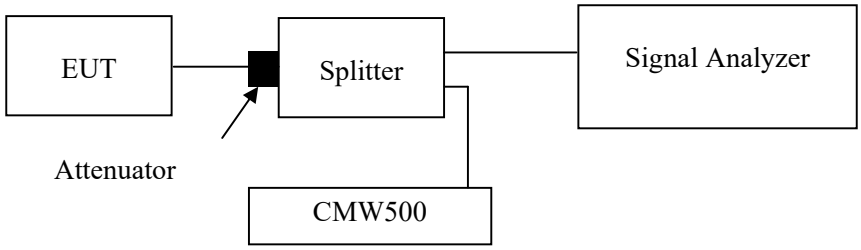
FCC 47 §2.1049, §22.917, §22.905, §24.238 and §27.53.

Test Procedure

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 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.



Test Data

Environmental Conditions

Temperature:	22~24 ℃
Relative Humidity:	62-67 %
ATM Pressure:	101.0~101.1 kPa

The testing was performed by Bamboo Zhan from 2024-01-22 to 2024-01-29.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the following tables and plots.

Cellular Band (Part 22H)

GSM 850

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
GSM	0.246	0.245	0.246	0.314	0.312	0.314
EDGE	0.244	0.245	0.247	0.310	0.308	0.312
Note: The test plots please refer to the Plots of Occupied Bandwidth						

WCDMA B5

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
WCDMA R99	4.146	4.146	4.146	4.705	4.705	4.715
HSDPA	4.156	4.166	4.156	4.695	4.705	4.705
HSUPA	4.156	4.166	4.156	4.695	4.685	4.695
Note: The test plots please refer to the Plots of Occupied Bandwidth						

PCS Band (Part 24E)

PCS 1900

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
GSM	0.245	0.243	0.243	0.317	0.309	0.312
EDGE	0.247	0.243	0.246	0.311	0.311	0.307
Note: The test plots please refer to the Plots of Occupied Bandwidth						

WCDMA B2

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
WCDMA R99	4.136	4.146	4.146	4.695	4.685	4.695
HSDPA	4.146	4.146	4.166	4.685	4.675	4.705
HSUPA	4.156	4.156	4.166	4.685	4.685	4.685
Note: The test plots please refer to the Plots of Occupied Bandwidth						

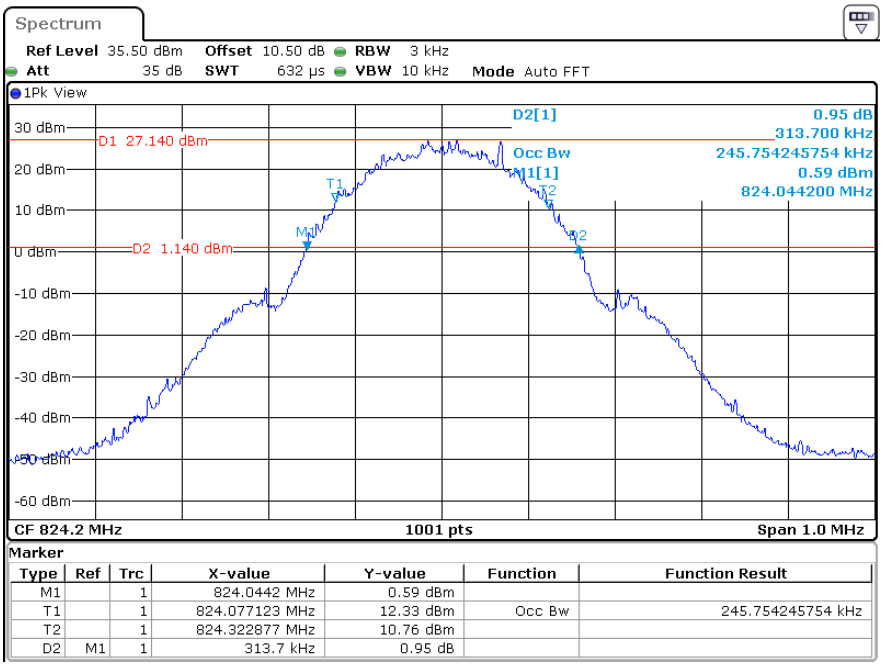
AWS Band

WCDMA B4

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
WCDMA R99	4.136	4.146	4.146	4.705	4.705	4.705
HSDPA	4.166	4.156	4.146	4.685	4.685	4.705
HSUPA	4.156	4.156	4.166	4.705	4.685	4.705
Note: The test plots please refer to the Plots of Occupied Bandwidth						

Cellular Band

GSM(GMSK) Mode, Low channel



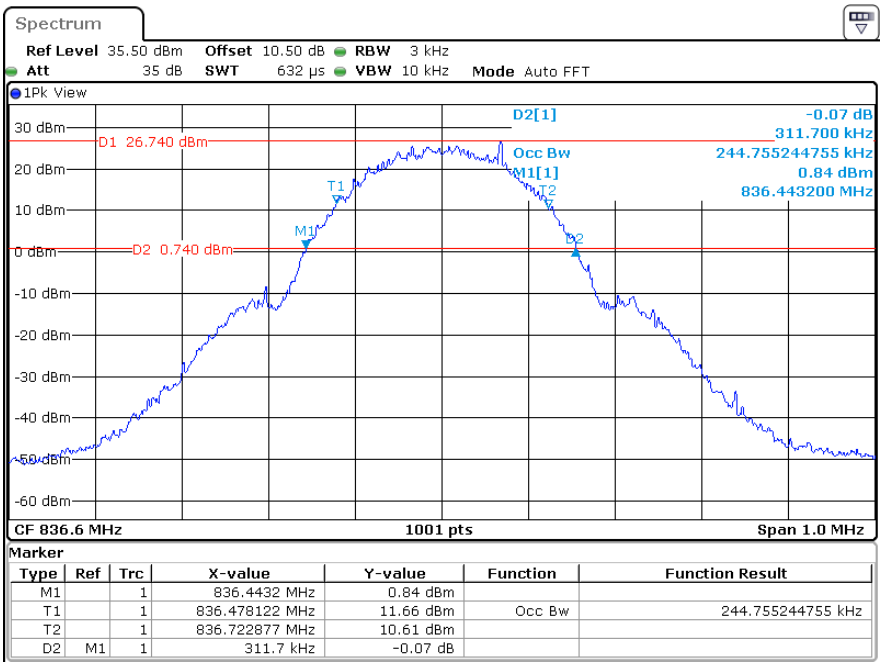
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.0442 MHz	0.59 dBm		
T1		1	824.077123 MHz	12.33 dBm	Occ Bw	245.754245754 kHz
T2		1	824.322877 MHz	10.76 dBm		
D2	M1	1	313.7 kHz	0.95 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:57:12

GSM(GMSK) Mode, Middle channel



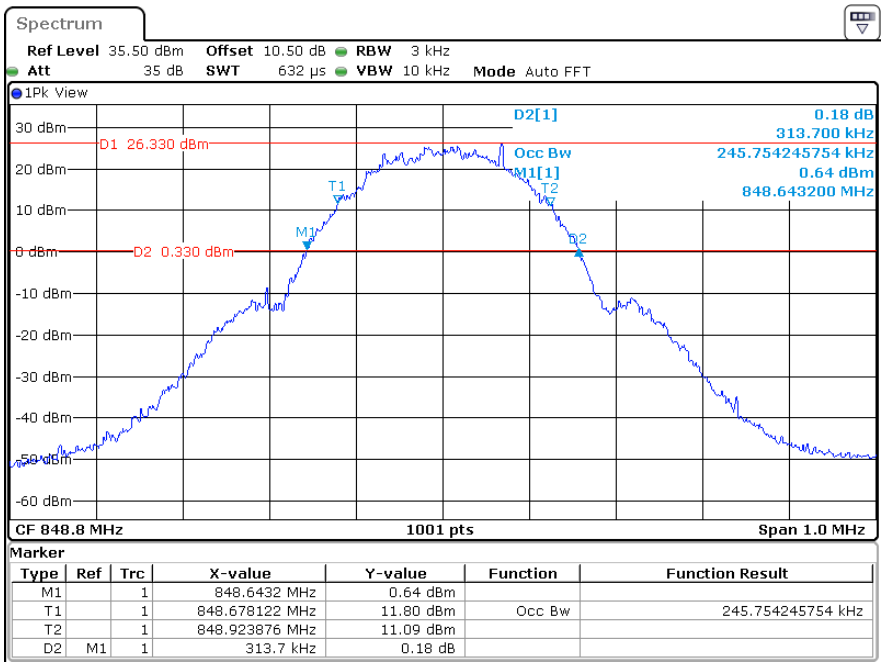
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.4432 MHz	0.84 dBm		
T1		1	836.478122 MHz	11.66 dBm	Occ Bw	244.755244755 kHz
T2		1	836.722877 MHz	10.61 dBm		
D2	M1	1	311.7 kHz	-0.07 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:53:17

GSM(GMSK) Mode, High channel



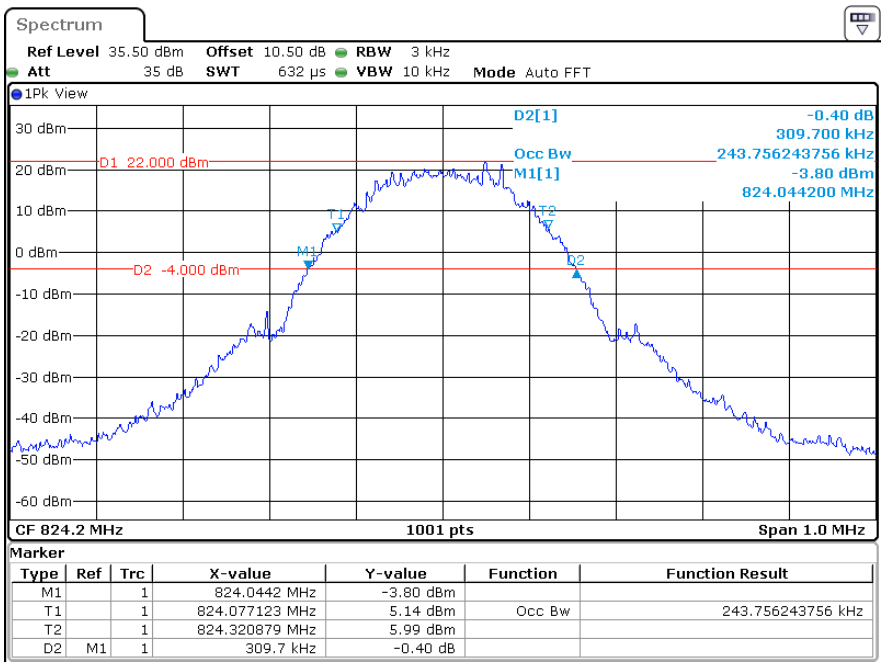
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.6432 MHz	0.64 dBm		
T1		1	848.678122 MHz	11.80 dBm	Occ Bw	245.754245754 kHz
T2		1	848.923876 MHz	11.09 dBm		
D2	M1	1	313.7 kHz	0.18 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:38:45

EDGE(8PSK) Mode, Low channel



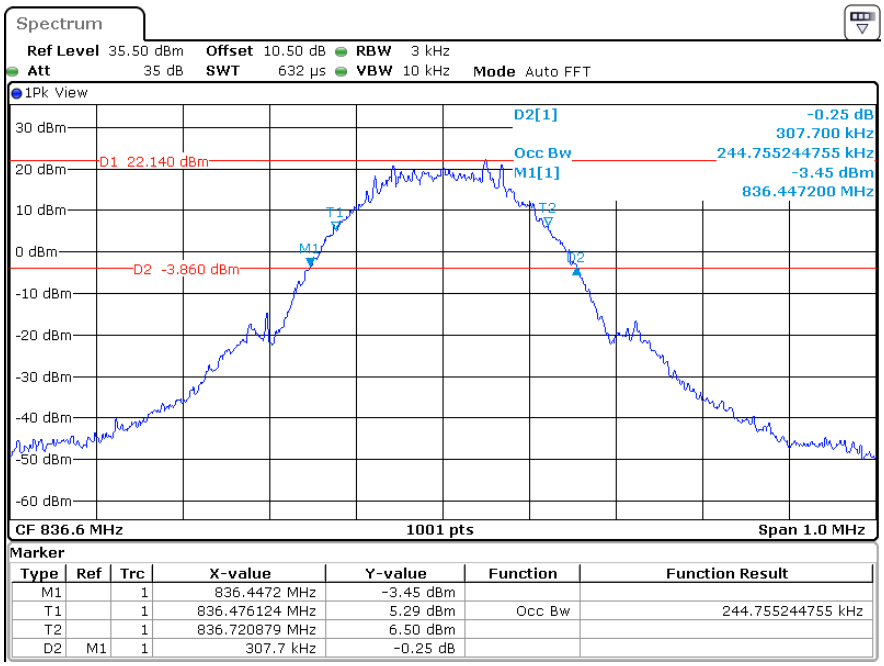
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.0442 MHz	-3.80 dBm		
T1		1	824.077123 MHz	5.14 dBm	Occ Bw	243.756243756 kHz
T2		1	824.320879 MHz	5.99 dBm		
D2	M1	1	309.7 kHz	-0.40 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:21:34

EDGE(8PSK) Mode, Middle channel



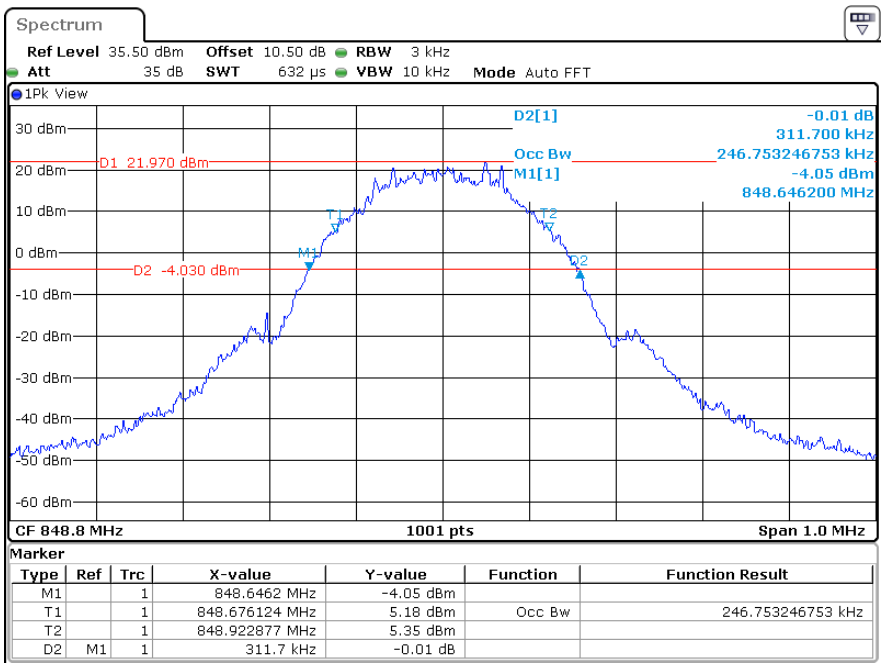
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.4472 MHz	-3.45 dBm		
T1		1	836.476124 MHz	5.29 dBm	Occ Bw	244.755244755 kHz
T2		1	836.720879 MHz	6.50 dBm		
D2	M1	1	307.7 kHz	-0.25 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:18:52

EDGE(8PSK) Mode, High channel



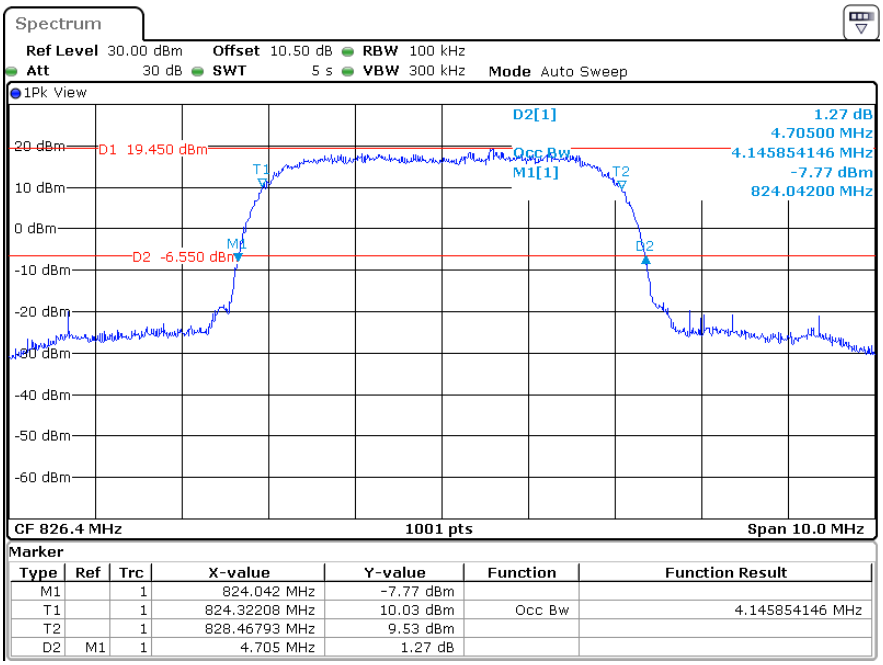
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.6462 MHz	-4.05 dBm		
T1		1	848.676124 MHz	5.18 dBm	Occ Bw	246.753246753 kHz
T2		1	848.922877 MHz	5.35 dBm		
D2	M1	1	311.7 kHz	-0.01 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:14:38

RMC (BPSK) Mode, Low channel



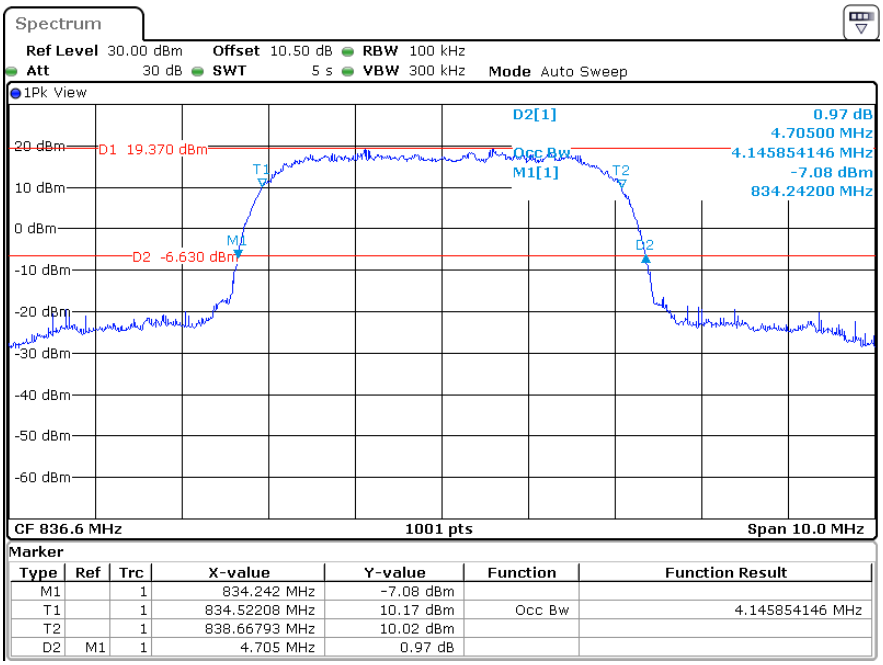
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.042 MHz	-7.77 dBm		
T1		1	824.32208 MHz	10.03 dBm	Occ Bw	4.145854146 MHz
T2		1	828.46793 MHz	9.53 dBm		
D2	M1	1	4.705 MHz	1.27 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:47:52

RMC (BPSK) Mode, Middle channel



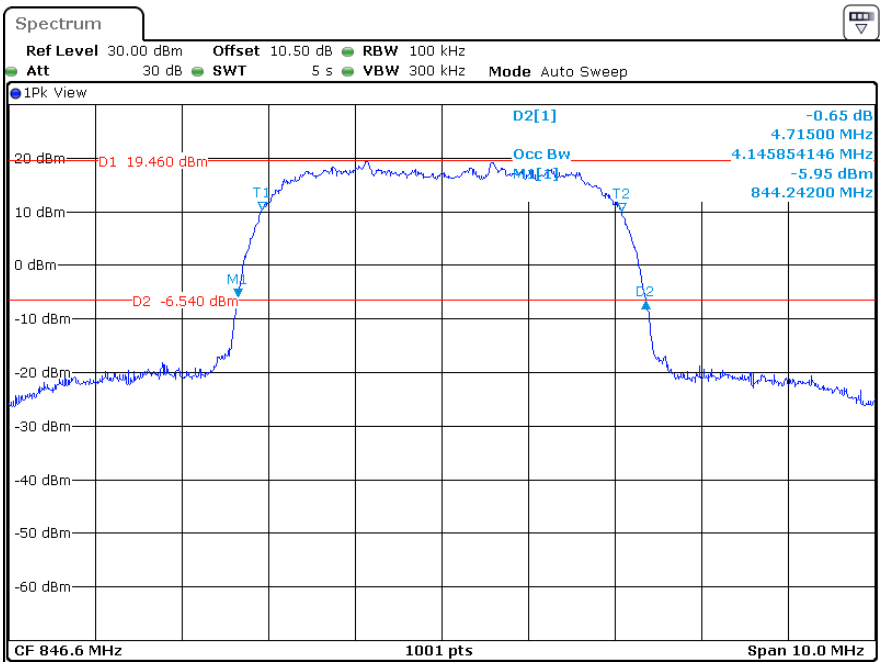
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.242 MHz	-7.08 dBm		
T1		1	834.52208 MHz	10.17 dBm	Occ Bw	4.145854146 MHz
T2		1	838.66793 MHz	10.02 dBm		
D2	M1	1	4.705 MHz	0.97 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:44:40

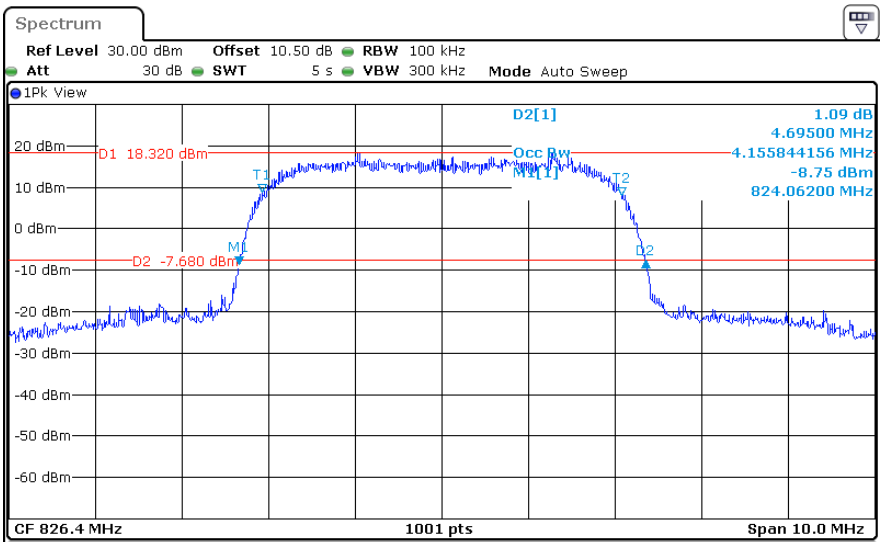
RMC (BPSK) Mode, High channel



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:38:40

HSUPA (QPSK) Mode, Low channel



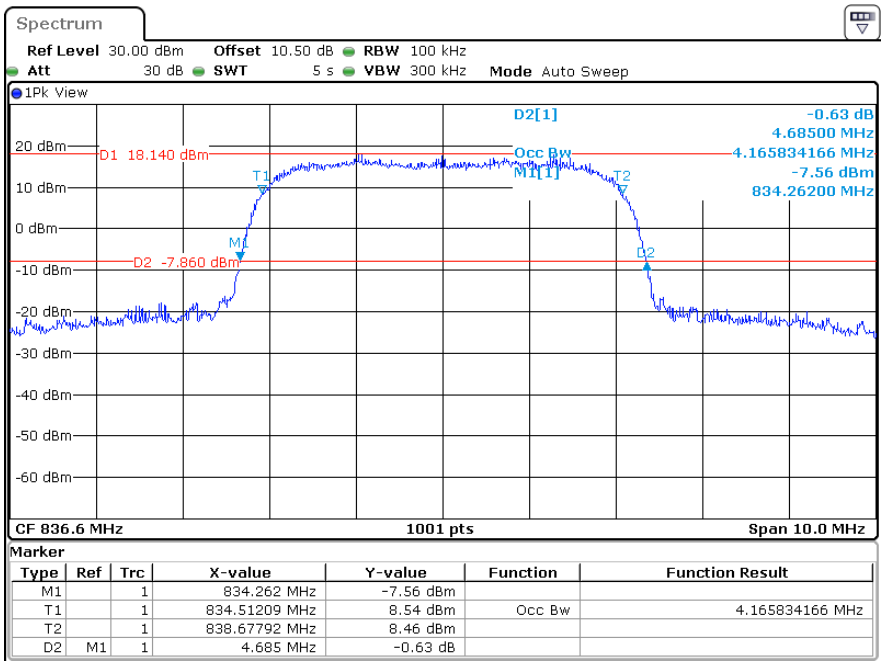
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.062 MHz	-8.75 dBm		
T1		1	824.32208 MHz	8.85 dBm	Occ Bw	4.155844156 MHz
T2		1	828.47792 MHz	7.95 dBm		
D2	M1	1	4.695 MHz	1.09 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:13:54

HSUPA (QPSK) Mode, Middle channel



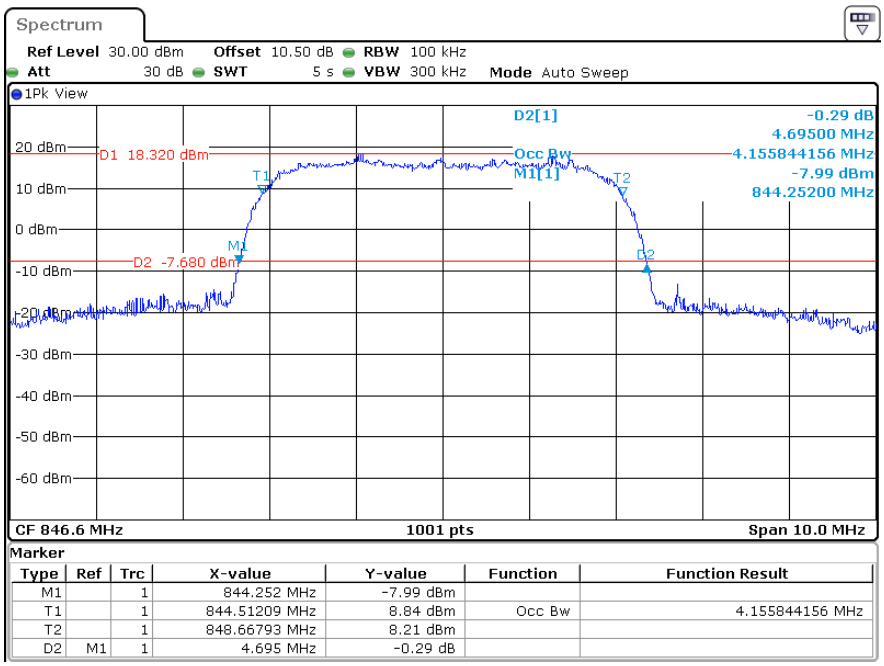
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.262 MHz	-7.56 dBm		
T1		1	834.51209 MHz	8.54 dBm	Occ Bw	4.165834166 MHz
T2		1	838.67792 MHz	8.46 dBm		
D2	M1	1	4.685 MHz	-0.63 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:09:58

HSUPA (QPSK) Mode, High channel



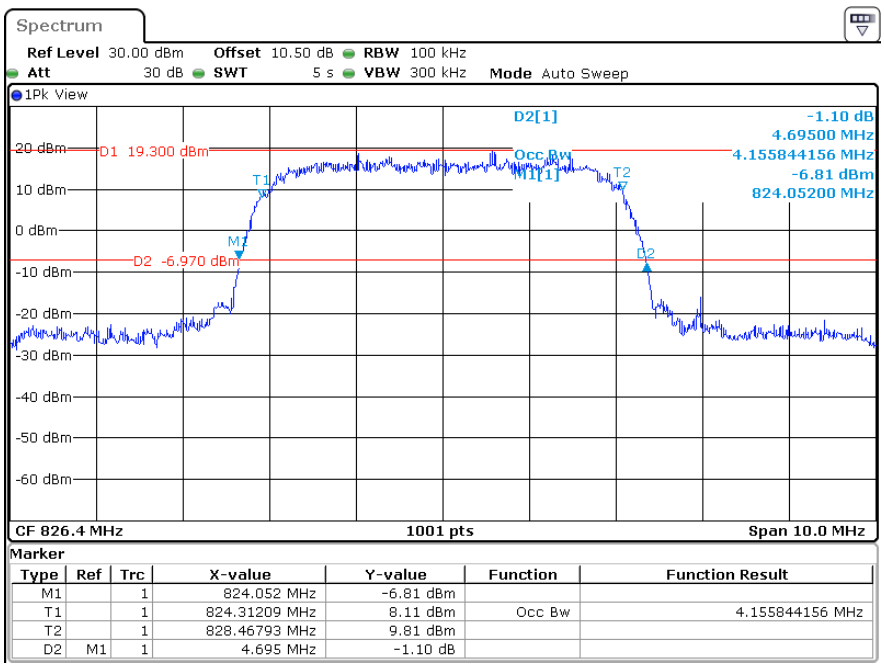
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.252 MHz	-7.99 dBm		
T1		1	844.51209 MHz	8.84 dBm	Occ Bw	4.155844156 MHz
T2		1	848.66793 MHz	8.21 dBm		
D2	M1	1	4.695 MHz	-0.29 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:06:00

HSDPA (16QAM) Mode, Low channel



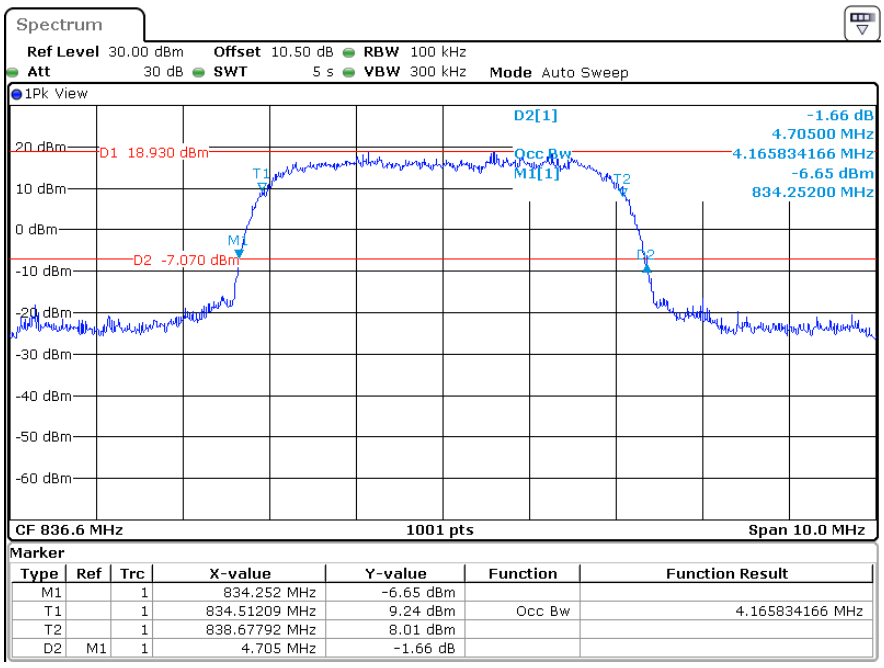
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.052 MHz	-6.81 dBm		
T1		1	824.31209 MHz	8.11 dBm	Occ Bw	4.155844156 MHz
T2		1	828.46793 MHz	9.81 dBm		
D2	M1	1	4.695 MHz	-1.10 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:52:41

HSDPA (16QAM) Mode, Middle channel



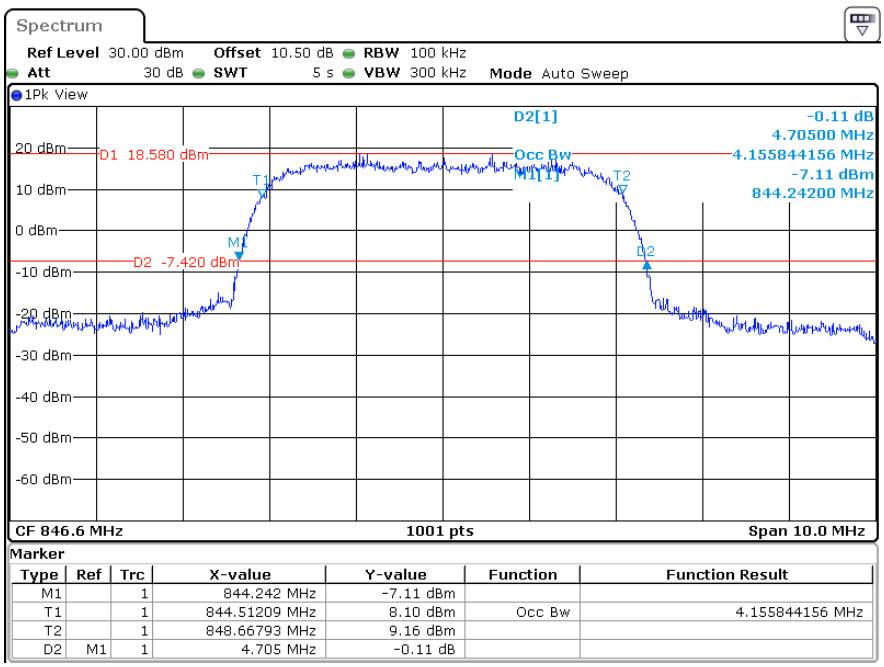
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.252 MHz	-6.65 dBm		
T1		1	834.51209 MHz	9.24 dBm	Occ Bw	4.165834166 MHz
T2		1	838.67792 MHz	8.01 dBm		
D2	M1	1	4.705 MHz	-1.66 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:56:18

HSDPA (16QAM) Mode, High channel



Marker

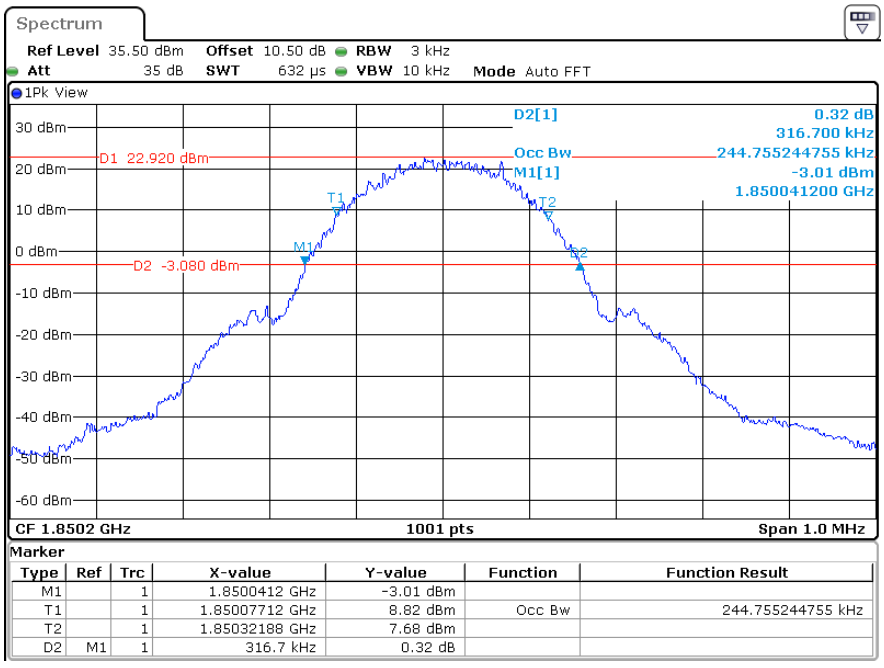
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.242 MHz	-7.11 dBm		
T1		1	844.51209 MHz	8.10 dBm	Occ Bw	4.155844156 MHz
T2		1	848.66793 MHz	9.16 dBm		
D2	M1	1	4.705 MHz	-0.11 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:00:52

PCS Band

GSM(GMSK) Mode, Low channel



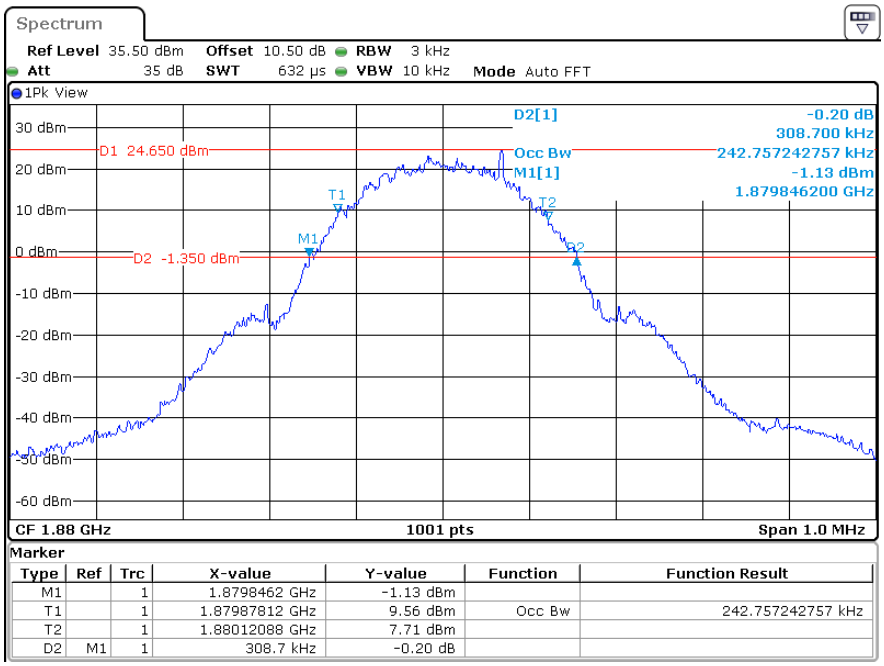
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.8500412 GHz	-3.01 dBm		
T1		1	1.85007712 GHz	8.82 dBm	Occ Bw	244.755244755 kHz
T2		1	1.85032188 GHz	7.68 dBm		
D2	M1	1	316.7 kHz	0.32 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:58:23

GSM(GMSK) Mode, Middle channel



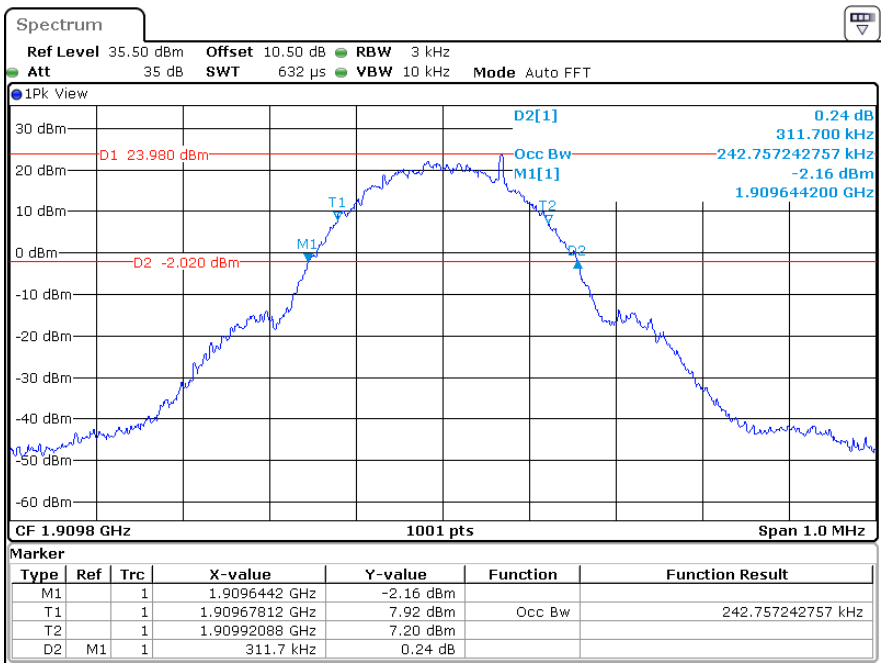
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.8798462 GHz	-1.13 dBm		
T1		1	1.87987812 GHz	9.56 dBm	Occ Bw	242.757242757 kHz
T2		1	1.88012088 GHz	7.71 dBm		
D2	M1	1	308.7 kHz	-0.20 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:54:50

GSM(GMSK) Mode, High channel



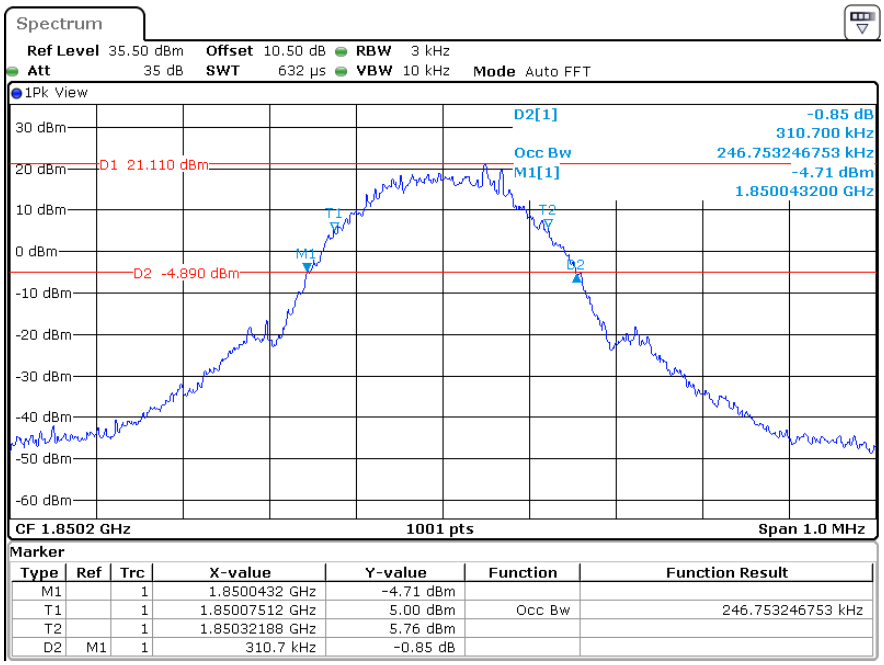
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.9096442 GHz	-2.16 dBm		
T1		1	1.90967812 GHz	7.92 dBm	Occ Bw	242.757242757 kHz
T2		1	1.90992088 GHz	7.20 dBm		
D2	M1	1	311.7 kHz	0.24 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:50:29

EDGE(8PSK) Mode, Low channel



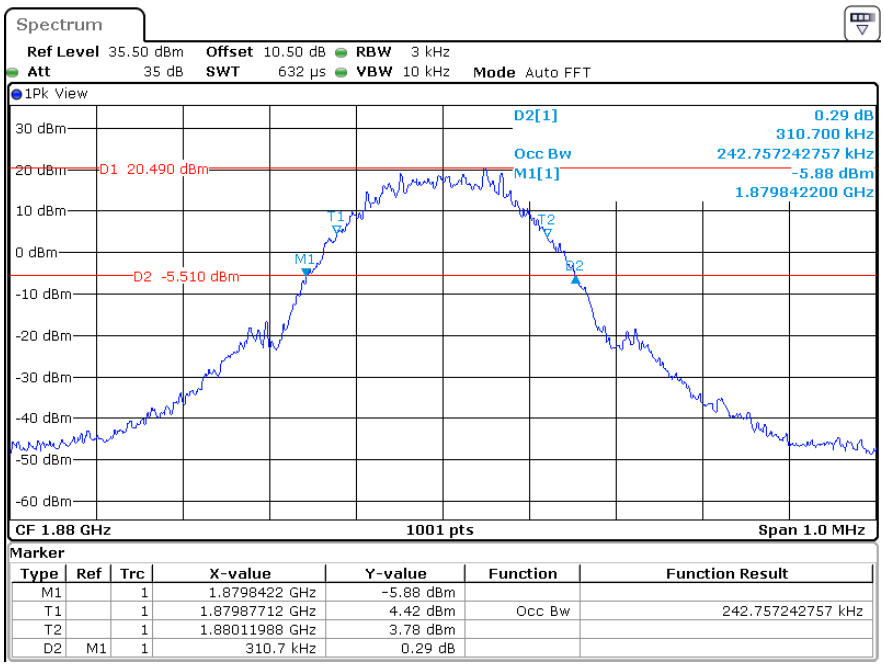
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.8500432 GHz	-4.71 dBm		
T1		1	1.85007512 GHz	5.00 dBm	Occ Bw	246.753246753 kHz
T2		1	1.85032188 GHz	5.76 dBm		
D2	M1	1	310.7 kHz	-0.85 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:29:48

EDGE(8PSK) Mode, Middle channel



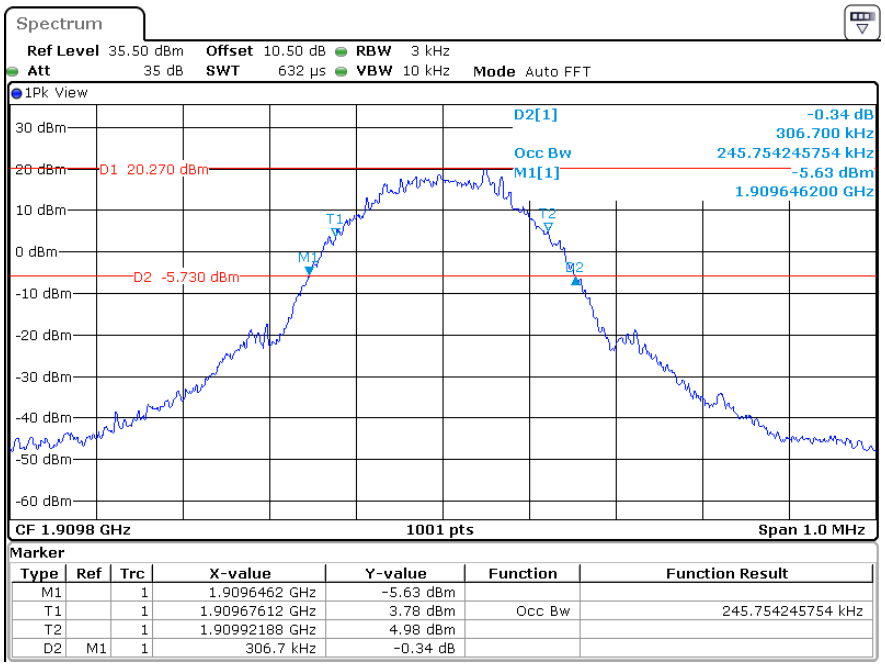
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.8798422 GHz	-5.88 dBm		
T1		1	1.87987712 GHz	4.42 dBm	Occ Bw	242.757242757 kHz
T2		1	1.88011988 GHz	3.78 dBm		
D2	M1	1	310.7 kHz	0.29 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:26:40

EDGE(8PSK) Mode, High channel



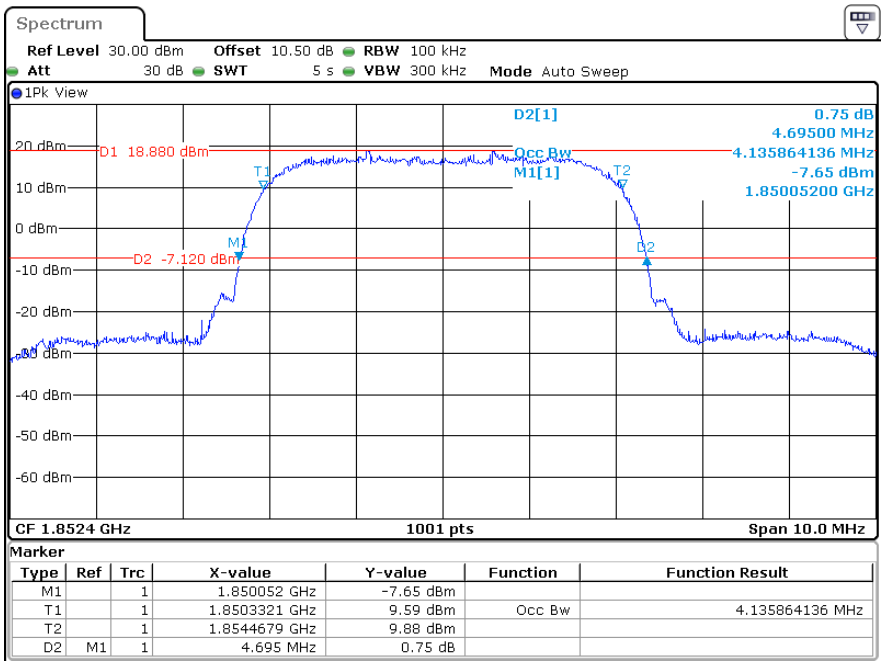
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.9096462 GHz	-5.63 dBm		
T1		1	1.90967612 GHz	3.78 dBm	Occ Bw	245.754245754 kHz
T2		1	1.90992188 GHz	4.98 dBm		
D2	M1	1	306.7 kHz	-0.34 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:22:14

RMC (BPSK) Mode, Low channel



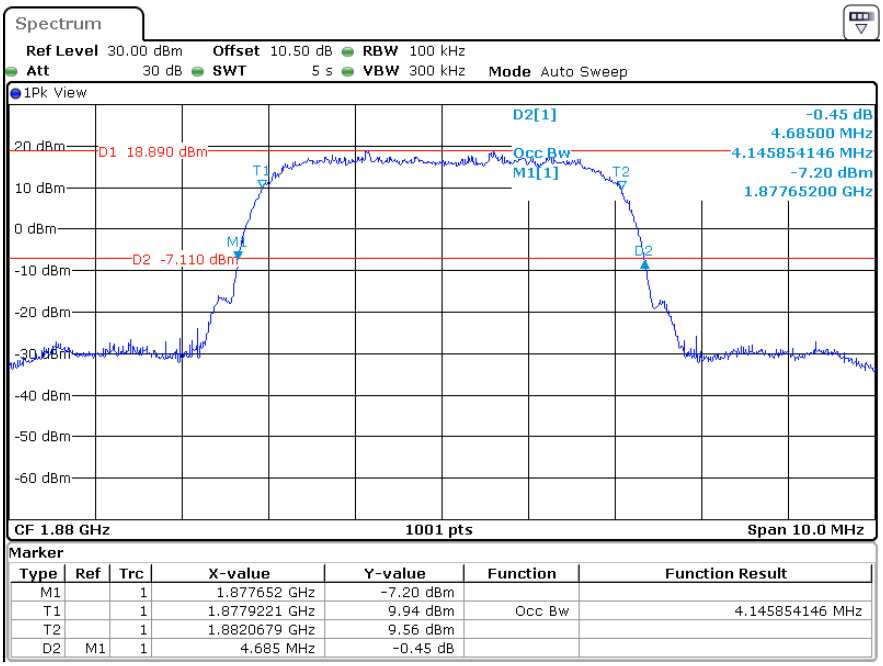
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.850052 GHz	-7.65 dBm		
T1		1	1.8503321 GHz	9.59 dBm	Occ Bw	4.135864136 MHz
T2		1	1.8544679 GHz	9.88 dBm		
D2	M1	1	4.695 MHz	0.75 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:52:47

RMC (BPSK) Mode, Middle channel



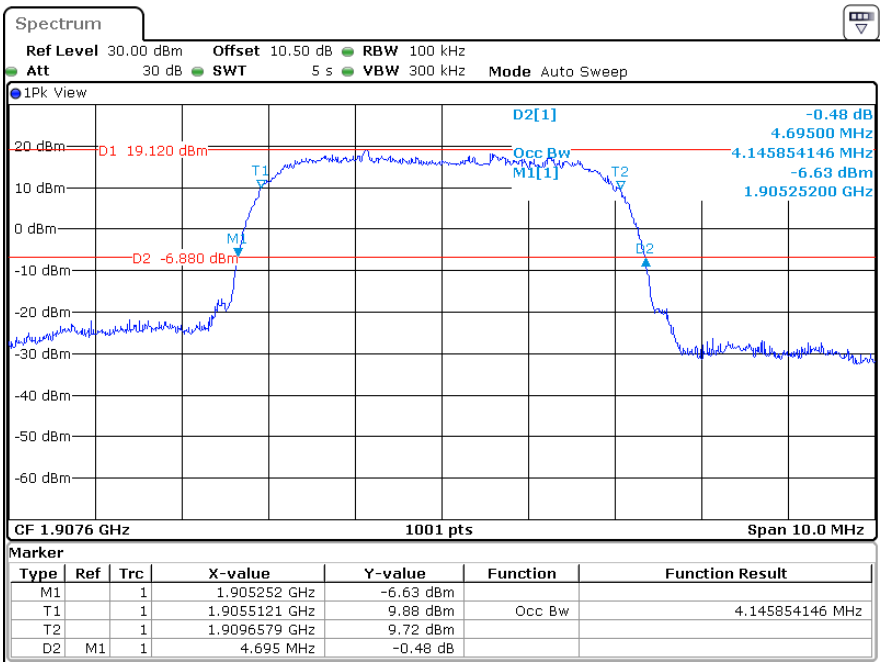
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.877652 GHz	-7.20 dBm		
T1		1	1.8779221 GHz	9.94 dBm	Occ Bw	4.145854146 MHz
T2		1	1.8820679 GHz	9.56 dBm		
D2	M1	1	4.685 MHz	-0.45 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:56:19

RMC (BPSK) Mode, High channel



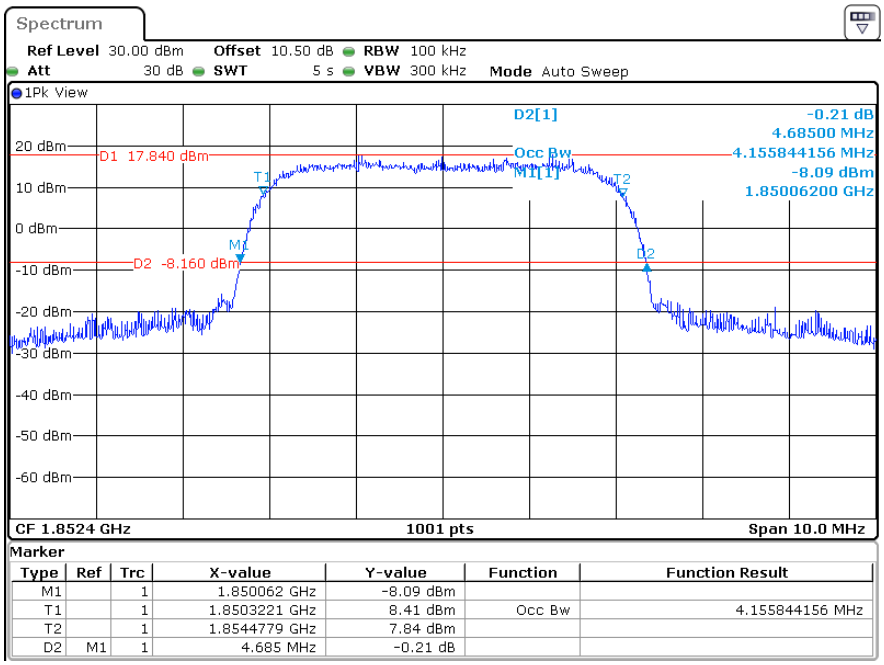
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.905252 GHz	-6.63 dBm		
T1		1	1.9055121 GHz	9.88 dBm	Occ Bw	4.145854146 MHz
T2		1	1.9096579 GHz	9.72 dBm		
D2	M1	1	4.695 MHz	-0.48 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:59:31

HSUPA (QPSK) Mode, Low channel



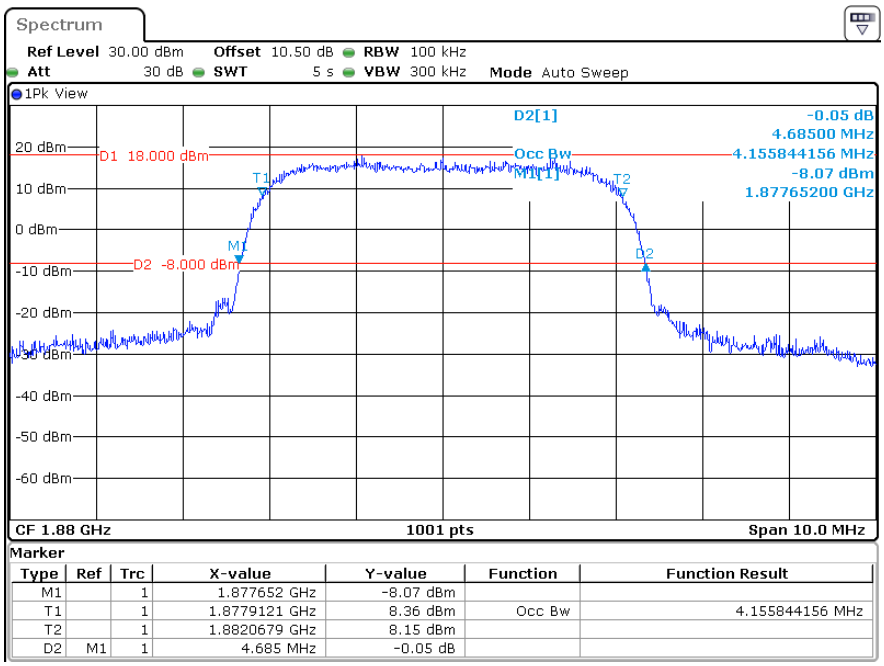
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.850062 GHz	-8.09 dBm		
T1		1	1.8503221 GHz	8.41 dBm	Occ Bw	4.155844156 MHz
T2		1	1.8544779 GHz	7.84 dBm		
D2	M1	1	4.685 MHz	-0.21 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:57:33

HSUPA (QPSK) Mode, Middle channel



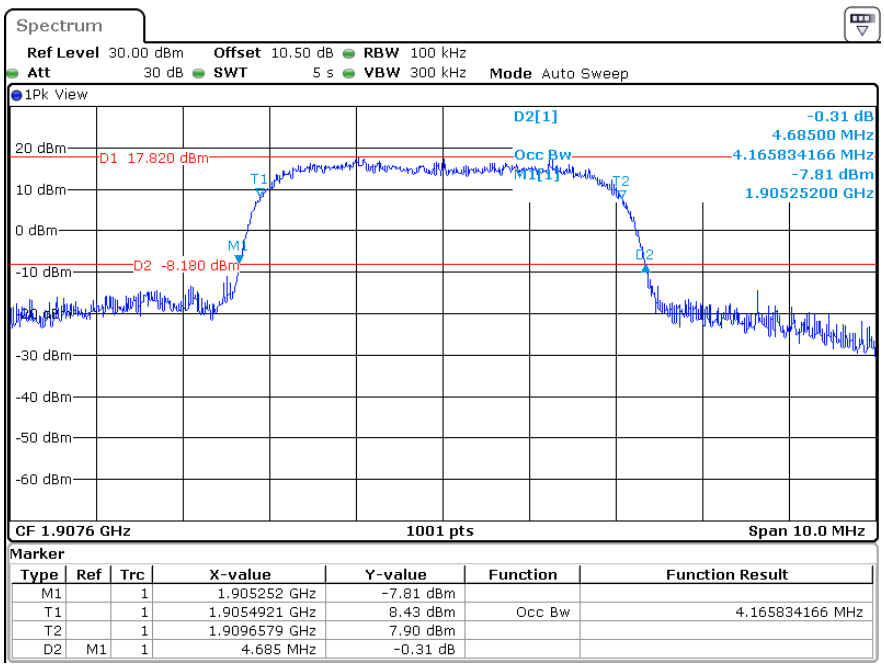
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.877652 GHz	-8.07 dBm		
T1		1	1.8779121 GHz	8.36 dBm	Occ Bw	4.155844156 MHz
T2		1	1.8820679 GHz	8.15 dBm		
D2	M1	1	4.685 MHz	-0.05 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:01:10

HSUPA (QPSK) Mode, High channel



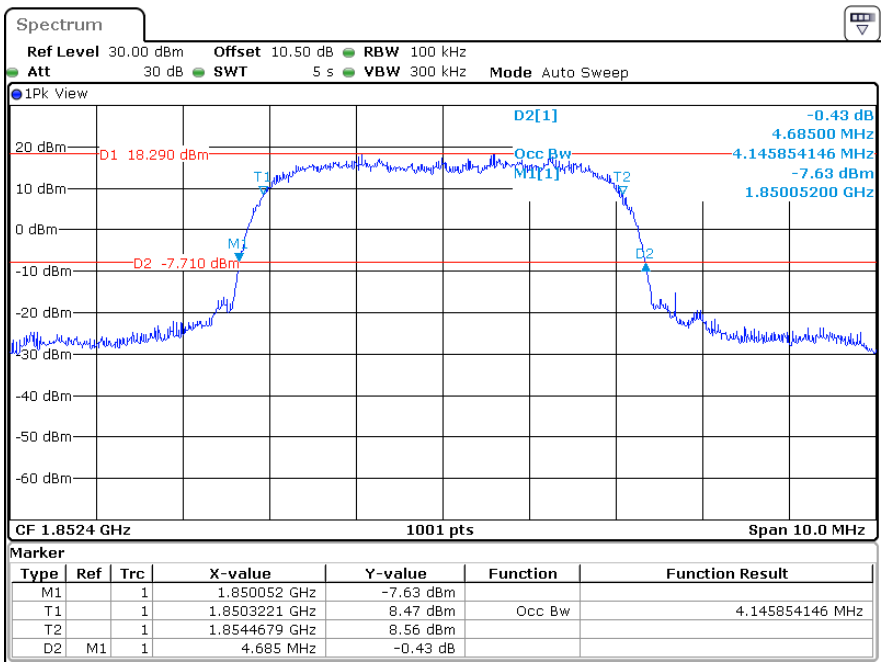
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.905252 GHz	-7.81 dBm		
T1		1	1.9054921 GHz	8.43 dBm	Occ Bw	4.165834166 MHz
T2		1	1.9096579 GHz	7.90 dBm		
D2	M1	1	4.685 MHz	-0.31 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:05:14

HSDPA (16QAM) Mode, Low channel



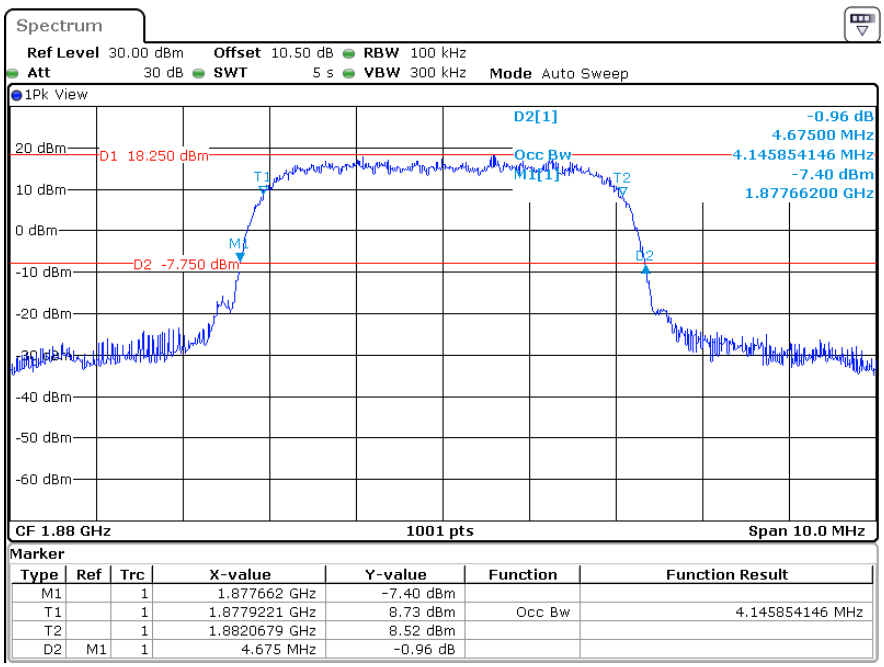
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.850052 GHz	-7.63 dBm		
T1		1	1.8503221 GHz	8.47 dBm	Occ Bw	4.145854146 MHz
T2		1	1.8544679 GHz	8.56 dBm		
D2	M1	1	4.685 MHz	-0.43 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:32:54

HSDPA (16QAM) Mode, Middle channel



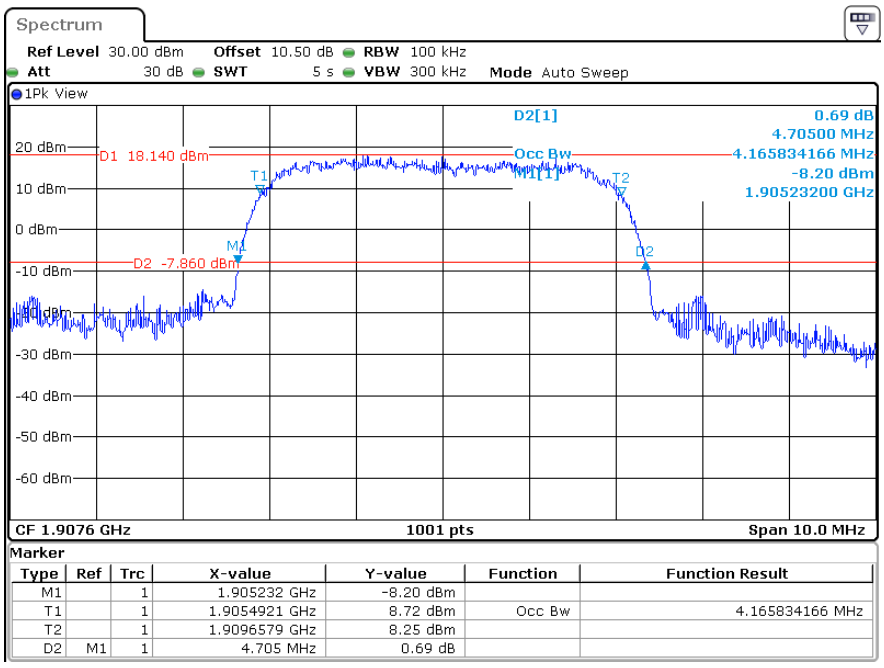
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.877662 GHz	-7.40 dBm		
T1		1	1.8779221 GHz	8.73 dBm	Occ Bw	4.145854146 MHz
T2		1	1.8820679 GHz	8.52 dBm		
D2	M1	1	4.675 MHz	-0.96 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:22:34

HSDPA (16QAM) Mode, High channel



Marker

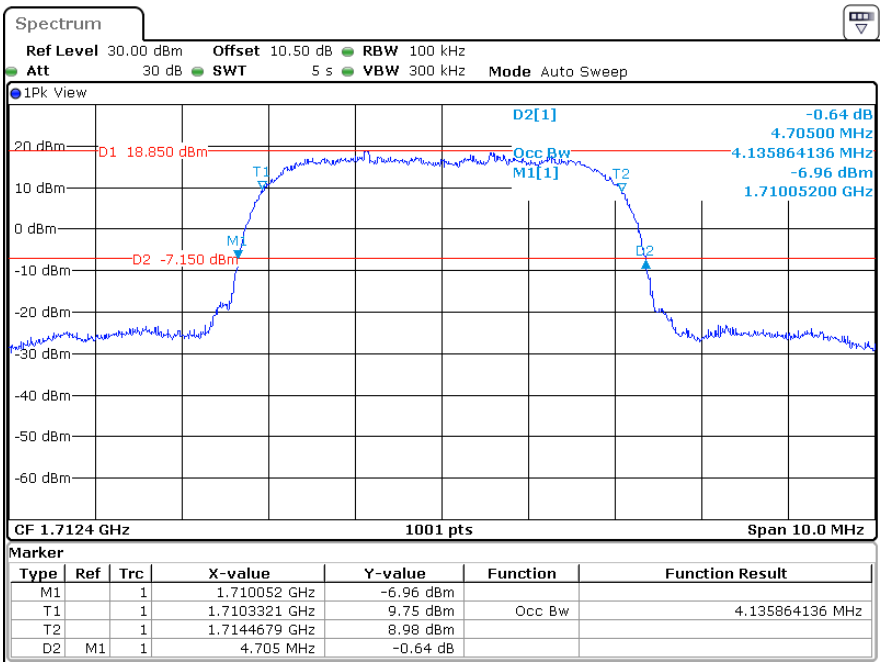
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.905232 GHz	-8.20 dBm		
T1		1	1.9054921 GHz	8.72 dBm	Occ Bw	4.165834166 MHz
T2		1	1.9096579 GHz	8.25 dBm		
D2	M1	1	4.705 MHz	0.69 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:18:42

AWS Band

RMC (BPSK) Mode, Low channel



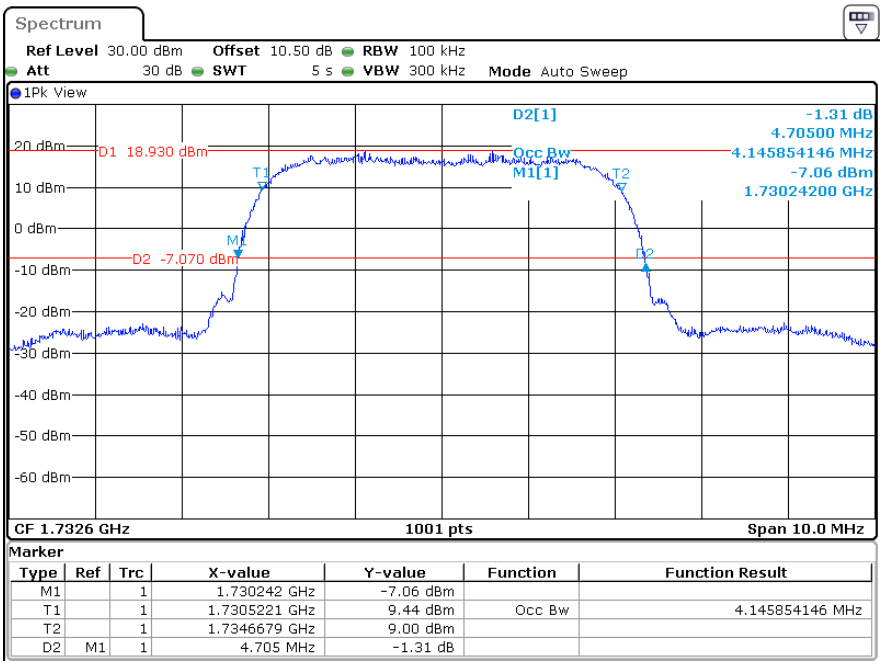
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710052 GHz	-6.96 dBm		
T1		1	1.7103321 GHz	9.75 dBm	Occ Bw	4.135864136 MHz
T2		1	1.7144679 GHz	8.98 dBm		
D2	M1	1	4.705 MHz	-0.64 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:10:35

RMC (BPSK) Mode, Middle channel



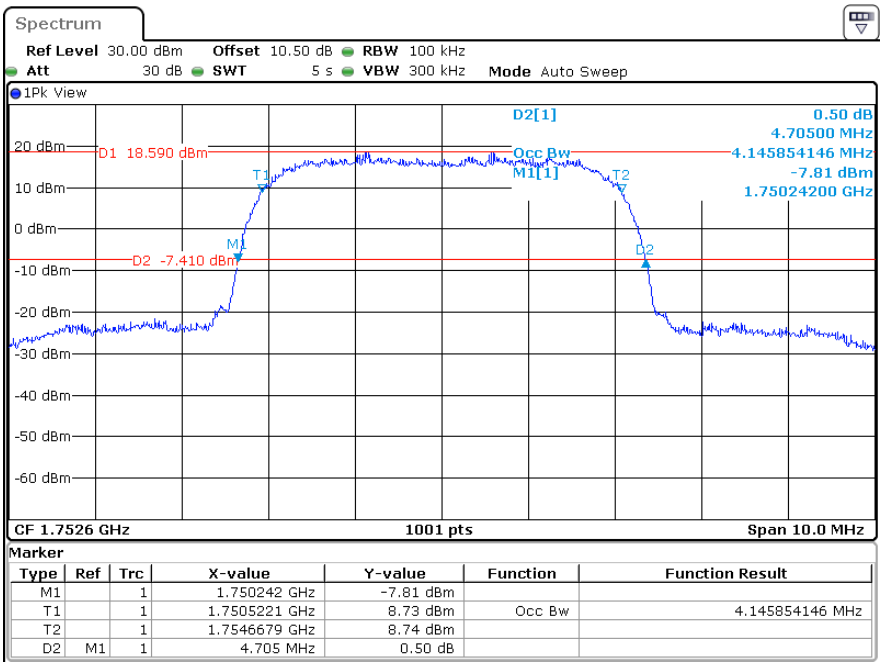
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.730242 GHz	-7.06 dBm		
T1		1	1.7305221 GHz	9.44 dBm	Occ Bw	4.145854146 MHz
T2		1	1.7346679 GHz	9.00 dBm		
D2	M1	1	4.705 MHz	-1.31 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:14:21

RMC (BPSK) Mode, High channel



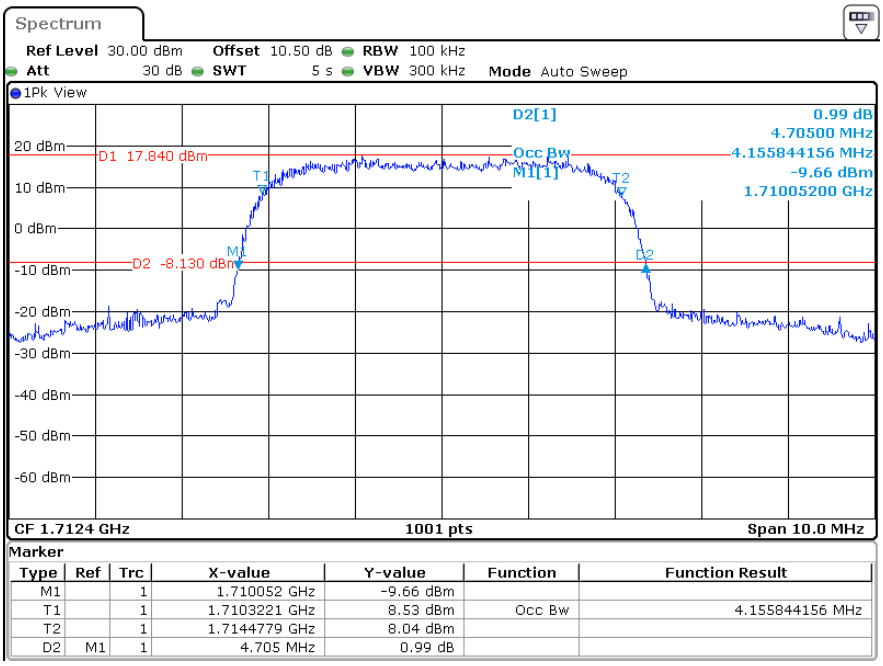
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.750242 GHz	-7.81 dBm		
T1		1	1.7505221 GHz	8.73 dBm	Occ Bw	4.145854146 MHz
T2		1	1.7546679 GHz	8.74 dBm		
D2	M1	1	4.705 MHz	0.50 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:17:43

HSUPA (QPSK) Mode, Low channel



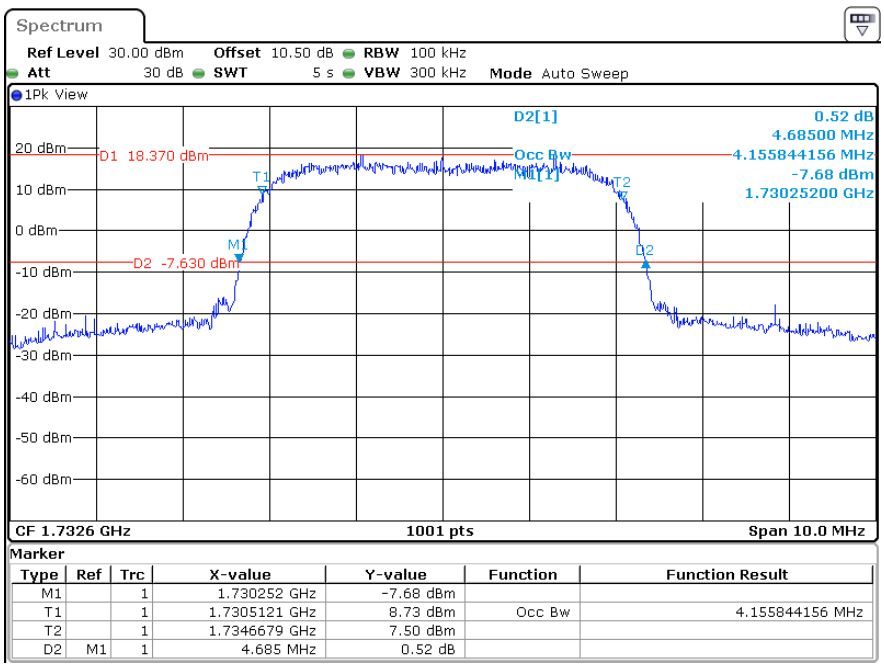
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710052 GHz	-9.66 dBm		
T1		1	1.7103221 GHz	8.53 dBm	Occ Bw	4.155844156 MHz
T2		1	1.7144779 GHz	8.04 dBm		
D2	M1	1	4.705 MHz	0.99 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:41:50

HSUPA (QPSK) Mode, Middle channel



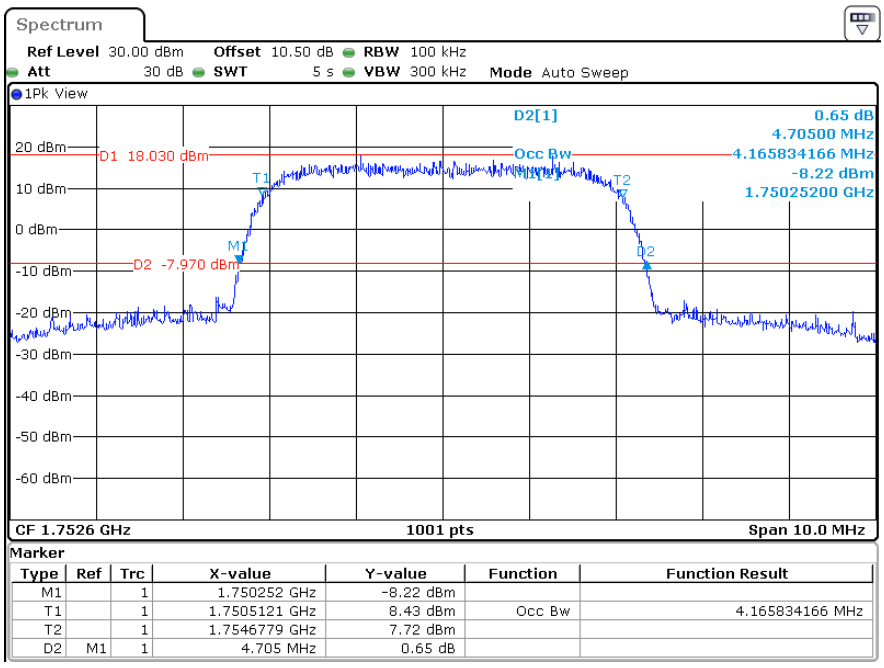
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.730252 GHz	-7.68 dBm		
T1		1	1.7305121 GHz	8.73 dBm	Occ Bw	4.155844156 MHz
T2		1	1.7346679 GHz	7.50 dBm		
D2	M1	1	4.685 MHz	0.52 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:45:23

HSUPA (QPSK) Mode, High channel



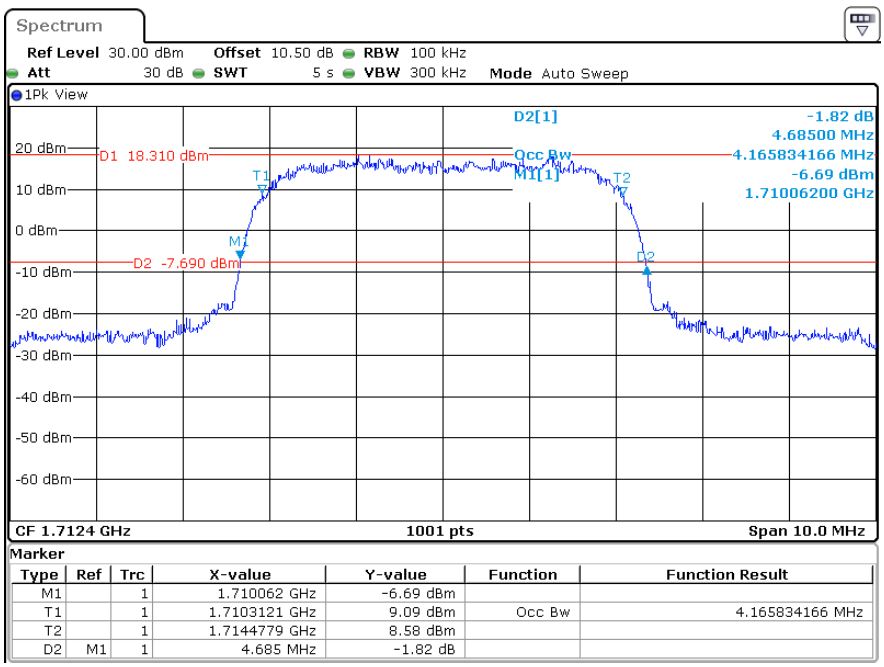
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.750252 GHz	-8.22 dBm		
T1		1	1.7505121 GHz	8.43 dBm	Occ Bw	4.165834166 MHz
T2		1	1.7546779 GHz	7.72 dBm		
D2	M1	1	4.705 MHz	0.65 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:48:13

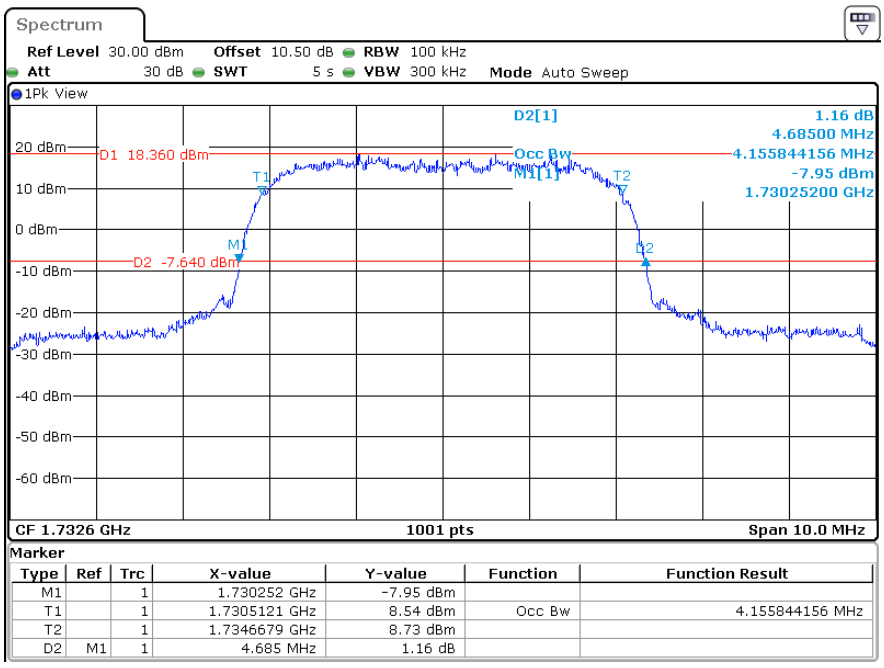
HSDPA (16QAM) Mode, Low channel



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:36:39

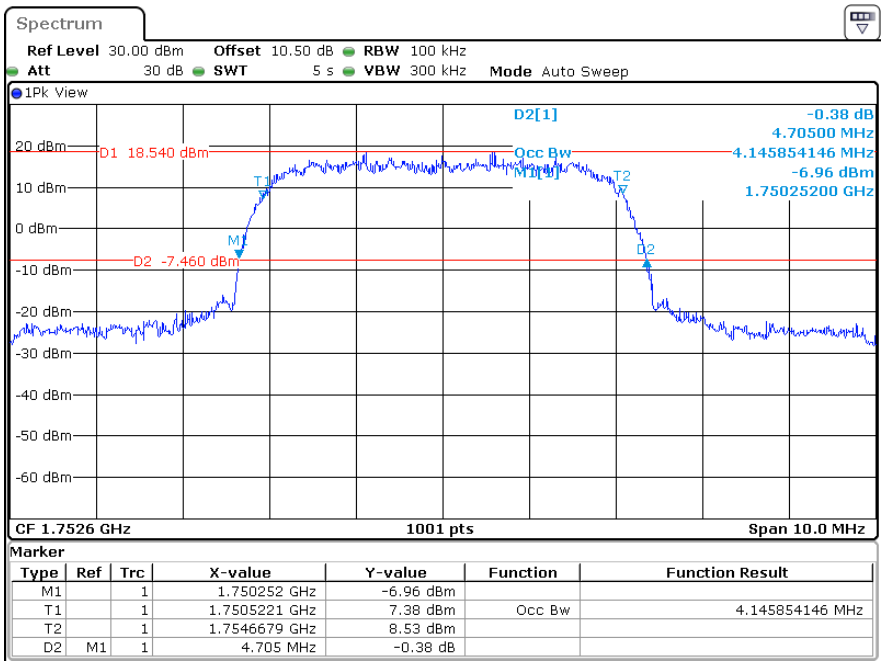
HSDPA (16QAM) Mode, Middle channel



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:33:02

HSDPA (16QAM) Mode, High channel



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.750252 GHz	-6.96 dBm		
T1		1	1.7505221 GHz	7.38 dBm	Occ Bw	4.145854146 MHz
T2		1	1.7546679 GHz	8.53 dBm		
D2	M1	1	4.705 MHz	-0.38 dB		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:29:32

LTE Band

Band 2

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
1.4MHz QPSK	1.102	1.320
1.4MHz 16QAM	1.090	1.284
1.4MHz 64QAM	1.097	1.301
1.4MHz 256QAM	1.085	1.274
3MHz QPSK	2.683	2.904
3MHz 16QAM	2.683	2.916
3MHz 64QAM	2.685	2.883
3MHz 256QAM	2.679	2.895
5MHz QPSK	4.511	4.960
5MHz 16QAM	4.511	5.020
5MHz 64QAM	4.486	4.955
5MHz 256QAM	4.486	4.965
10MHz QPSK	8.942	9.680
10MHz 16QAM	8.982	9.680
10MHz 64QAM	8.951	9.590
10MHz 256QAM	8.931	9.590
15MHz QPSK	13.473	14.580
15MHz 16QAM	13.533	14.640
15MHz 64QAM	13.397	14.565
15MHz 256QAM	13.457	14.655
20MHz QPSK	17.884	19.280
20MHz 16QAM	17.884	19.360
20MHz 64QAM	17.862	19.221
20MHz 256QAM	17.902	19.181

Band 4

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
1.4MHz QPSK	1.096	1.302
1.4MHz 16QAM	1.096	1.314
1.4MHz 64QAM	1.094	1.304
1.4MHz 256QAM	1.085	1.274
3MHz QPSK	2.683	2.904
3MHz 16QAM	2.683	2.916
3MHz 64QAM	2.685	2.883
3MHz 256QAM	2.679	2.895
5MHz QPSK	4.491	4.940
5MHz 16QAM	4.511	5.000
5MHz 64QAM	4.496	4.965
5MHz 256QAM	4.486	4.895
10MHz QPSK	8.942	9.680
10MHz 16QAM	8.942	9.640
10MHz 64QAM	8.971	9.550
10MHz 256QAM	8.951	9.550
15MHz QPSK	13.413	14.640
15MHz 16QAM	13.473	14.700
15MHz 64QAM	13.427	14.625
15MHz 256QAM	13.457	14.565
20MHz QPSK	17.884	19.360
20MHz 16QAM	17.964	19.440
20MHz 64QAM	17.902	19.181
20MHz 256QAM	17.862	19.101

Band 5

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
1.4MHz QPSK	1.102	1.320
1.4MHz 16QAM	1.096	1.284
1.4MHz 64QAM	1.100	1.313
1.4MHz 256QAM	1.088	1.277
3MHz QPSK	2.695	2.892
3MHz 16QAM	2.683	2.916
3MHz 64QAM	2.685	2.877
3MHz 256QAM	2.679	2.895
5MHz QPSK	4.511	4.980
5MHz 16QAM	4.511	5.000
5MHz 64QAM	4.496	4.975
5MHz 256QAM	4.486	4.895
10MHz QPSK	8.942	9.720
10MHz 16QAM	8.942	9.600
10MHz 64QAM	8.951	9.690
10MHz 256QAM	8.951	9.590

Band 7

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
5MHz QPSK	4.491	4.940
5MHz 16QAM	4.511	5.020
5MHz 64QAM	4.496	4.975
5MHz 256QAM	4.476	4.905
10MHz QPSK	8.942	9.640
10MHz 16QAM	8.942	9.680
10MHz 64QAM	8.951	9.610
10MHz 256QAM	8.931	9.590
15MHz QPSK	13.533	14.700
15MHz 16QAM	13.533	14.700
15MHz 64QAM	13.427	14.685
15MHz 256QAM	13.427	14.505
20MHz QPSK	17.884	19.440
20MHz 16QAM	17.884	19.280
20MHz 64QAM	17.862	19.181
20MHz 256QAM	17.902	19.141

Band 12

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
1.4MHz QPSK	1.102	1.290
1.4MHz 16QAM	1.102	1.296
1.4MHz 64QAM	1.094	1.304
1.4MHz 256QAM	1.085	1.280
3MHz QPSK	2.683	2.904
3MHz 16QAM	2.683	2.916
3MHz 64QAM	2.685	2.877
3MHz 256QAM	2.679	2.895
5MHz QPSK	4.491	5.000
5MHz 16QAM	4.511	5.020
5MHz 64QAM	4.486	4.945
5MHz 256QAM	4.476	4.915
10MHz QPSK	8.942	9.600
10MHz 16QAM	8.942	9.600
10MHz 64QAM	8.951	9.590
10MHz 256QAM	8.951	9.550

Band 17

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
5MHz QPSK	4.511	5.000
5MHz 16QAM	4.511	5.000
5MHz 64QAM	4.496	4.975
5MHz 256QAM	4.486	4.925
10MHz QPSK	8.982	9.640
10MHz 16QAM	8.982	9.640
10MHz 64QAM	8.951	9.590
10MHz 256QAM	8.931	9.610

Band 38

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
5MHz QPSK	4.491	5.000
5MHz 16QAM	4.511	5.240
5MHz 64QAM	4.496	5.045
5MHz 256QAM	4.476	4.915
10MHz QPSK	8.942	9.680
10MHz 16QAM	8.942	9.560
10MHz 64QAM	8.951	9.610
10MHz 256QAM	8.951	9.570
15MHz QPSK	13.413	14.880
15MHz 16QAM	13.473	15.240
15MHz 64QAM	13.487	14.565
15MHz 256QAM	13.487	14.655
20MHz QPSK	17.884	19.360
20MHz 16QAM	17.964	19.200
20MHz 64QAM	17.862	19.181
20MHz 256QAM	17.902	18.941

Band 40

LTE Band 40 Lower:		
Operation Mode	**99% Occupied Bandwidth (MHz)**	**26 dB Occupied Bandwidth (MHz)**
	Middle channel	**Middle channel**
5MHz QPSK	4.511	5.040
5MHz 16QAM	4.511	5.100
5MHz 64QAM	4.476	4.805
5MHz 256QAM	4.476	4.875
10MHz QPSK	8.942	9.680
10MHz 16QAM	8.942	9.520
10MHz 64QAM	8.951	9.590
10MHz 256QAM	8.951	9.530
LTE Band 40 Upper:		
Operation Mode	**99% Occupied Bandwidth (MHz)**	**26 dB Occupied Bandwidth (MHz)**
	Middle channel	**Middle channel**
5MHz QPSK	4.511	4.980
5MHz 16QAM	4.511	4.980
5MHz 64QAM	4.496	4.905
5MHz 256QAM	4.466	4.815
10MHz QPSK	8.942	9.720
10MHz 16QAM	8.942	9.520
10MHz 64QAM	8.951	9.550
10MHz 256QAM	8.951	9.530

Band 41

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
5MHz QPSK	4.511	5.000
5MHz 16QAM	4.511	5.060
5MHz 64QAM	4.515	5.065
5MHz 256QAM	4.456	4.915
10MHz QPSK	8.942	9.600
10MHz 16QAM	8.942	9.640
10MHz 64QAM	8.951	9.530
10MHz 256QAM	8.951	9.471
15MHz QPSK	13.473	15.420
15MHz 16QAM	13.473	14.700
15MHz 64QAM	13.487	14.595
15MHz 256QAM	13.457	14.446
20MHz QPSK	18.044	19.200
20MHz 16QAM	17.884	19.200
20MHz 64QAM	17.902	19.181
20MHz 256QAM	17.902	19.021

Band 42

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle channel	Middle Channel
5MHz QPSK	4.511	4.900
5MHz 16QAM	4.491	4.980
5MHz 64QAM	4.505	4.965
5MHz 256QAM	4.486	5.195
10MHz QPSK	8.942	9.640
10MHz 16QAM	8.942	9.640
10MHz 64QAM	8.951	9.530
10MHz 256QAM	8.951	9.530
15MHz QPSK	13.473	15.060
15MHz 16QAM	13.533	14.640
15MHz 64QAM	13.487	14.655
15MHz 256QAM	13.487	14.655
20MHz QPSK	17.884	19.360
20MHz 16QAM	17.884	19.200
20MHz 64QAM	17.902	19.181
20MHz 256QAM	17.902	19.061

Band 66

Operation Mode	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
	Middle Channel	Middle Channel
1.4MHz QPSK	1.102	1.320
1.4MHz 16QAM	1.096	1.284
1.4MHz 64QAM	1.094	1.304
1.4MHz 256QAM	1.091	1.277
3MHz QPSK	2.683	2.904
3MHz 16QAM	2.683	2.916
3MHz 64QAM	2.685	2.883
3MHz 256QAM	2.679	2.895
5MHz QPSK	4.491	5.000
5MHz 16QAM	4.511	5.020
5MHz 64QAM	4.496	4.995
5MHz 256QAM	4.486	4.925
10MHz QPSK	8.942	9.720
10MHz 16QAM	8.942	9.640
10MHz 64QAM	8.951	9.630
10MHz 256QAM	8.951	9.590
15MHz QPSK	13.473	14.700
15MHz 16QAM	13.533	14.700
15MHz 64QAM	13.457	14.745
15MHz 256QAM	13.457	14.595
20MHz QPSK	17.964	19.280
20MHz 16QAM	17.964	19.280
20MHz 64QAM	17.902	19.261
20MHz 256QAM	17.902	19.101

The test plots of LTE band please refer to the Appendix A1 & Appendix A2.

FCC §2.1051, §22.917(a) & §24.238(a) & §27.53 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Applicable Standard

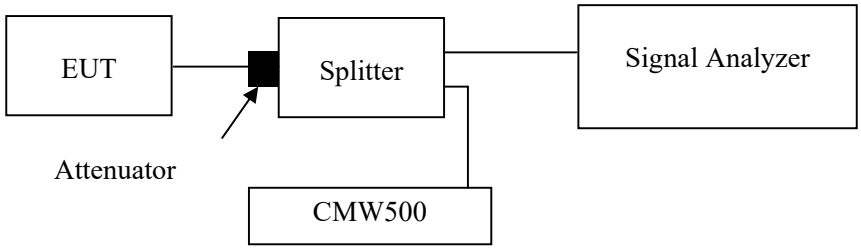
FCC §2.1051, §22.917(a) & §24.238(a) & §27.53.

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

Test Procedure

ANSI C63.26-2015 Section 5.7

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 1MHz. Sufficient scans were taken to show any out of band emissions up to 10^{th} harmonic.



Note: the worst path loss (cable loss and splitter inset loss) among the test frequency range was added into plots.

Test Data

Environmental Conditions

Temperature:	22~24 ℃
Relative Humidity:	62-67 %
ATM Pressure:	101.0~101.1 kPa

The testing was performed by Bamboo Zhan from 2024-01-22 to 2024-01-29.

EUT operation mode: Transmitting

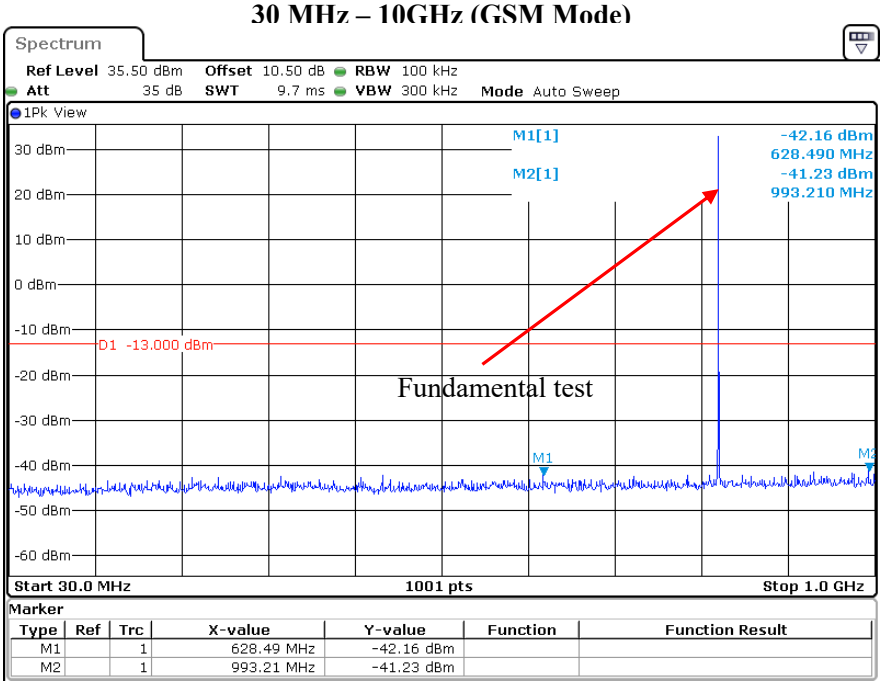
Test result: Compliant

Please refer to the following plots.

Cellular Band

Low Channel:

30 MHz – 10GHz (GSM Mode)

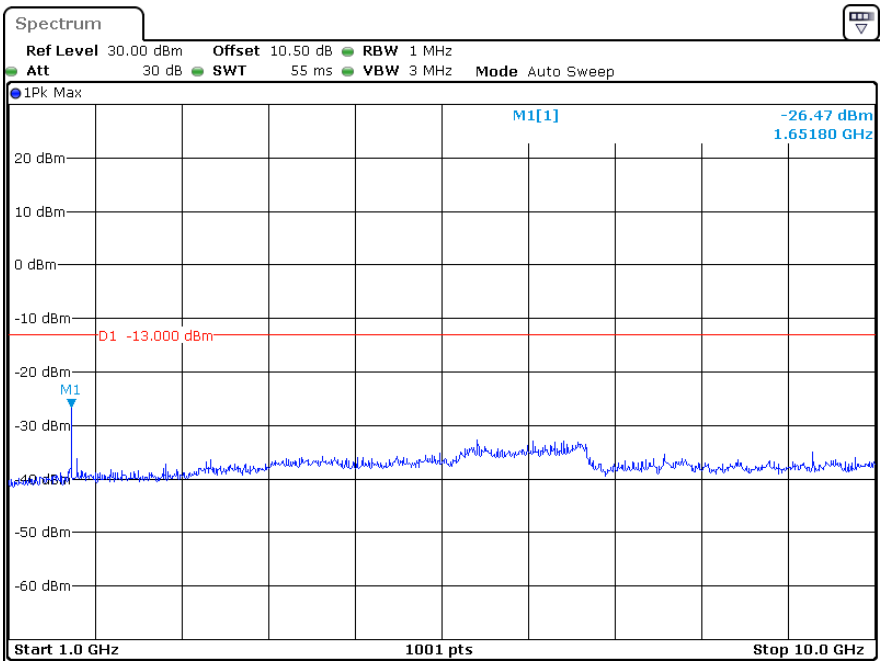


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	628.49 MHz	-42.16 dBm		
M2		1	993.21 MHz	-41.23 dBm		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:58:35

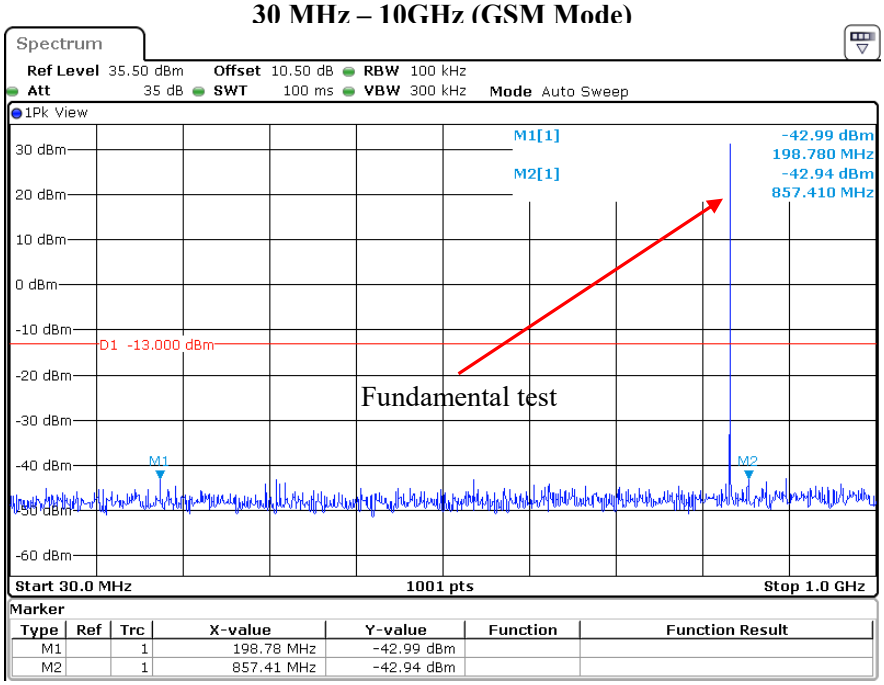


ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:58:57

Middle Channel:

30 MHz – 10GHz (GSM Mode)

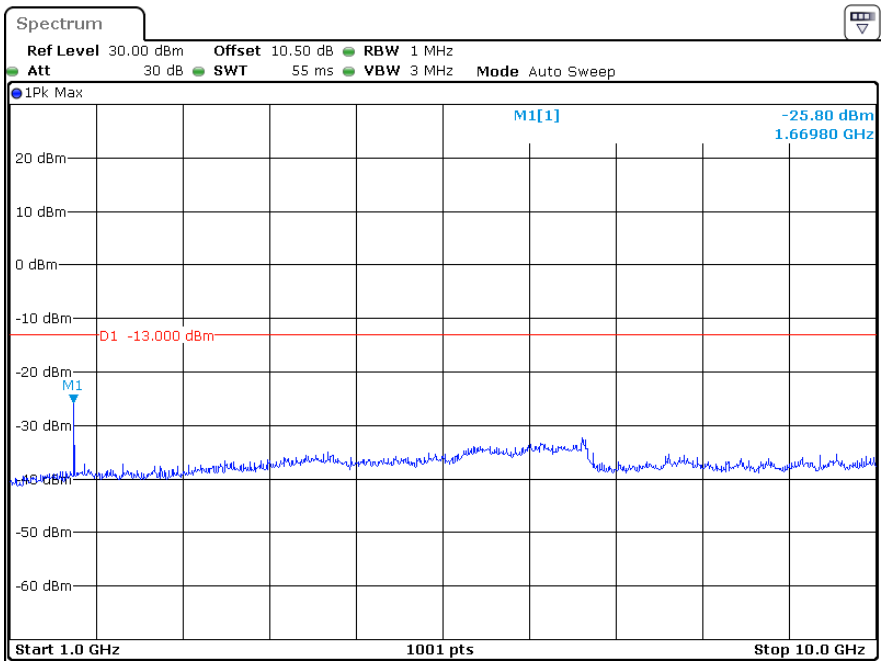


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	198.78 MHz	-42.99 dBm		
M2		1	857.41 MHz	-42.94 dBm		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:53:28

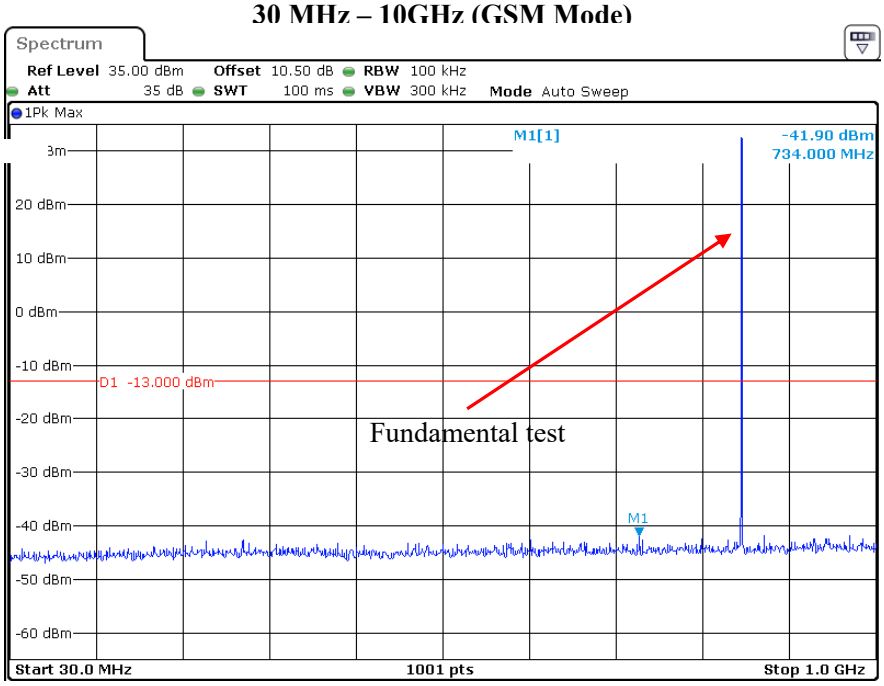


ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:53:59

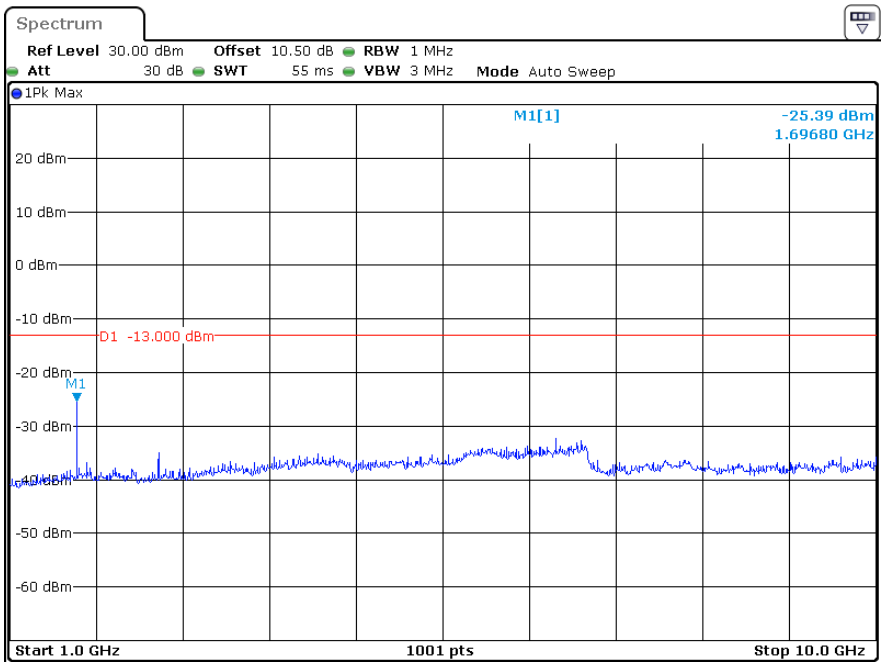
High Channel:

30 MHz – 10GHz (GSM Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:40:05

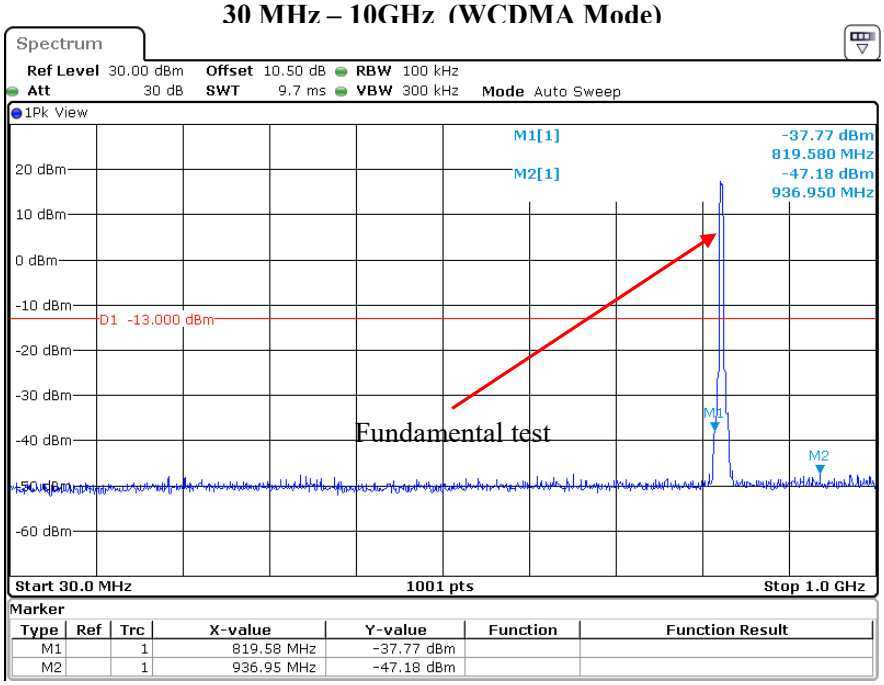


ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:40:27

Low Channel:

30 MHz – 10GHz (WCDMA Mode)

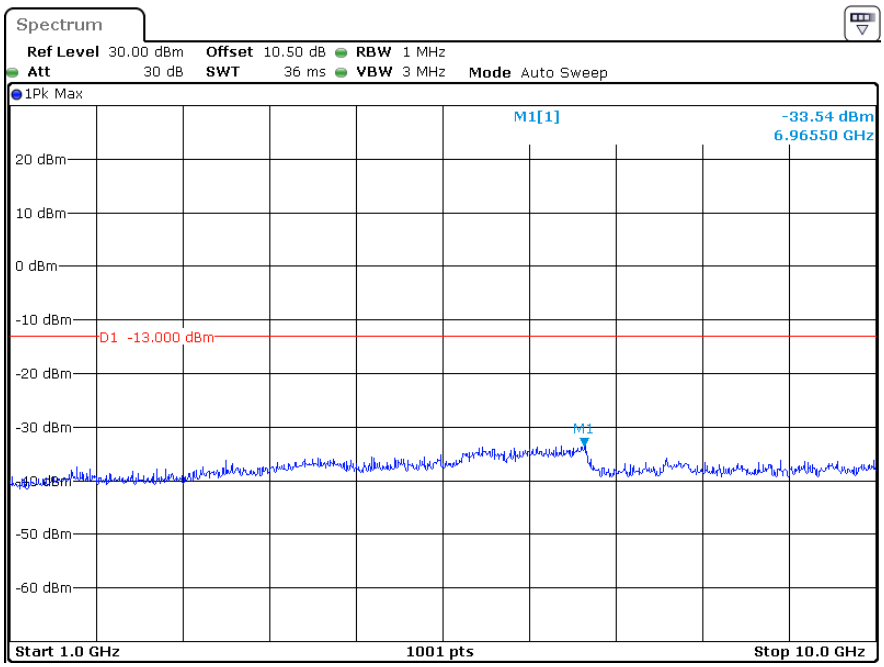


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	819.58 MHz	-37.77 dBm		
M2		1	936.95 MHz	-47.18 dBm		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:48:25

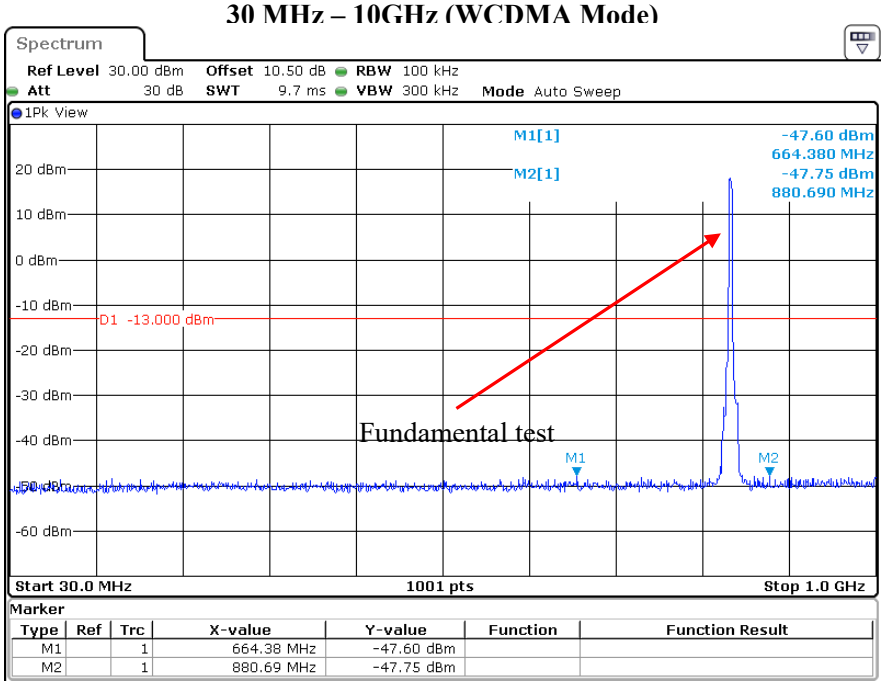


ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:48:47

Middle Channel:

30 MHz – 10GHz (WCDMA Mode)

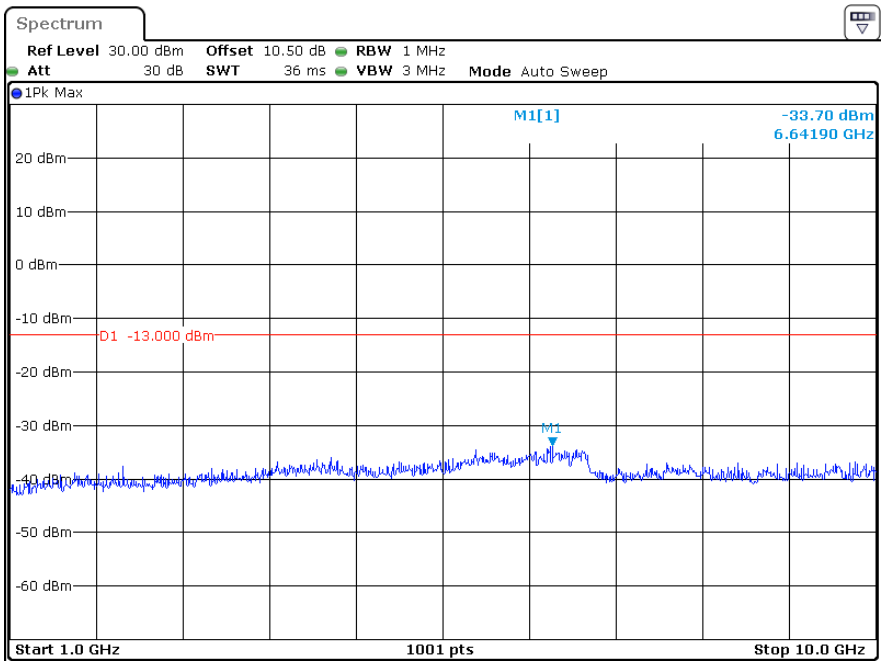


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	664.38 MHz	-47.60 dBm		
M2		1	880.69 MHz	-47.75 dBm		

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:44:57

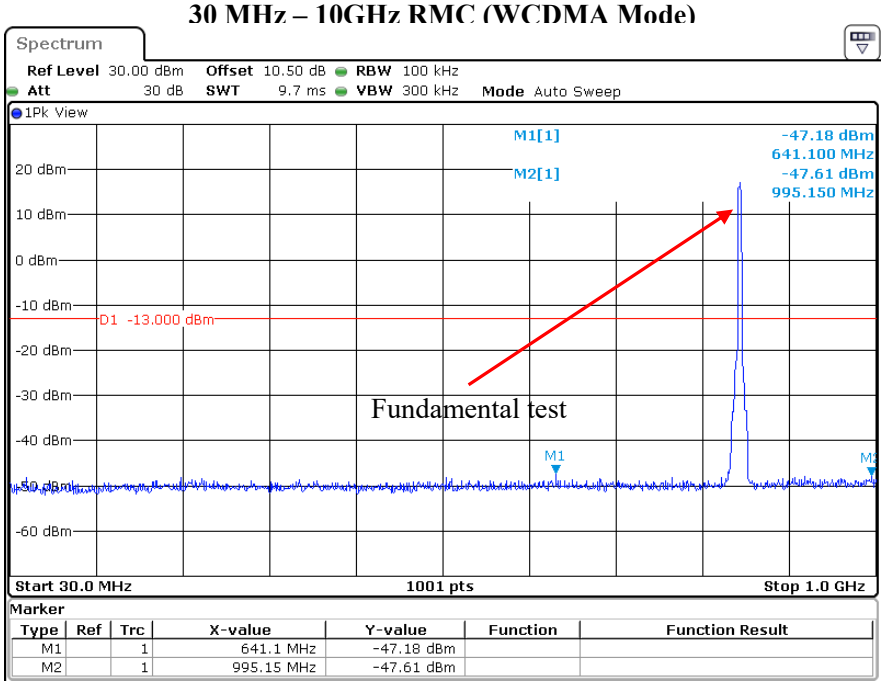


ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:45:07

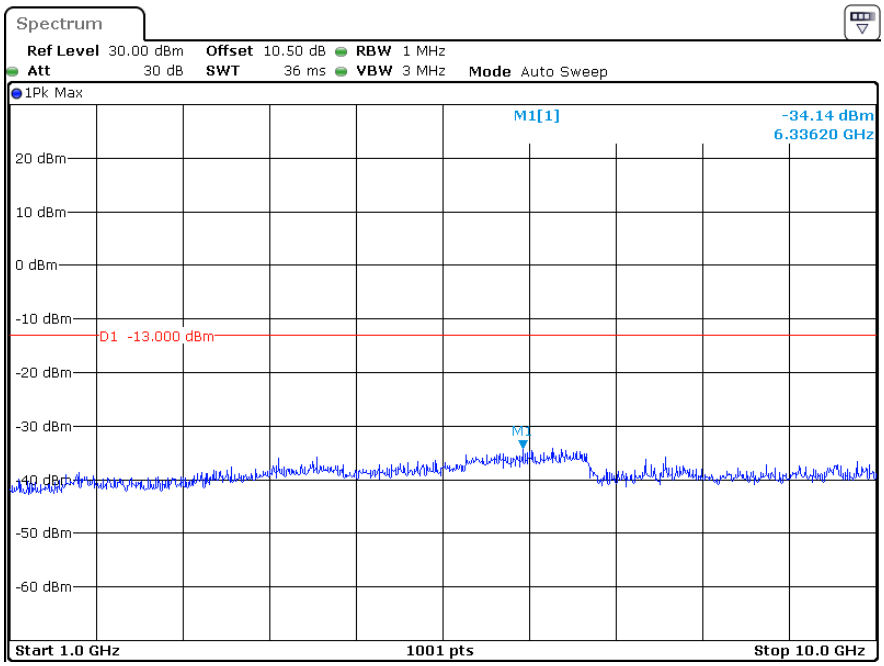
High Channel:

30 MHz – 10GHz RMC (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:41:31



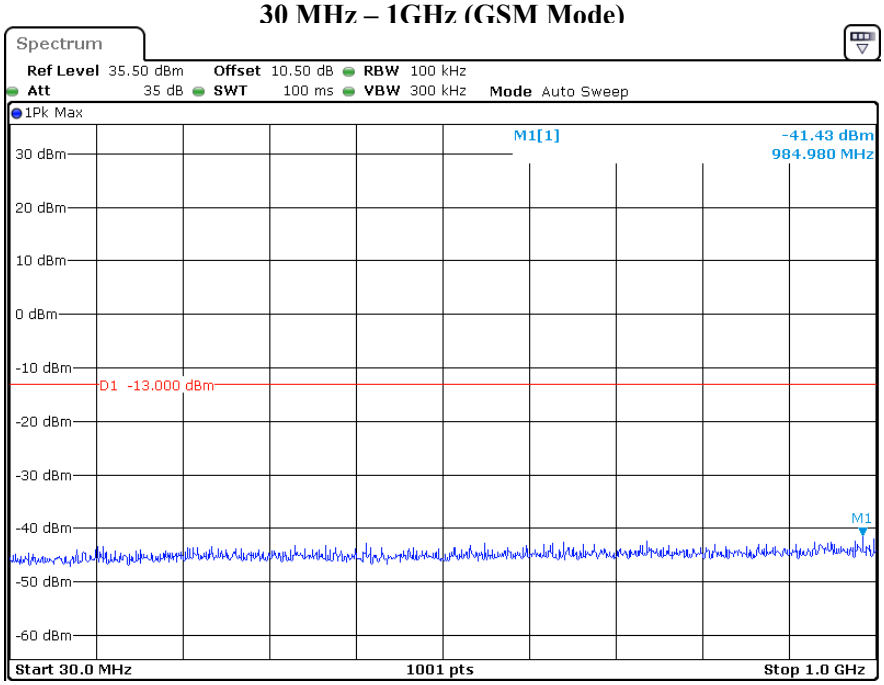
ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:39:28

PCS Band

Low Channel:

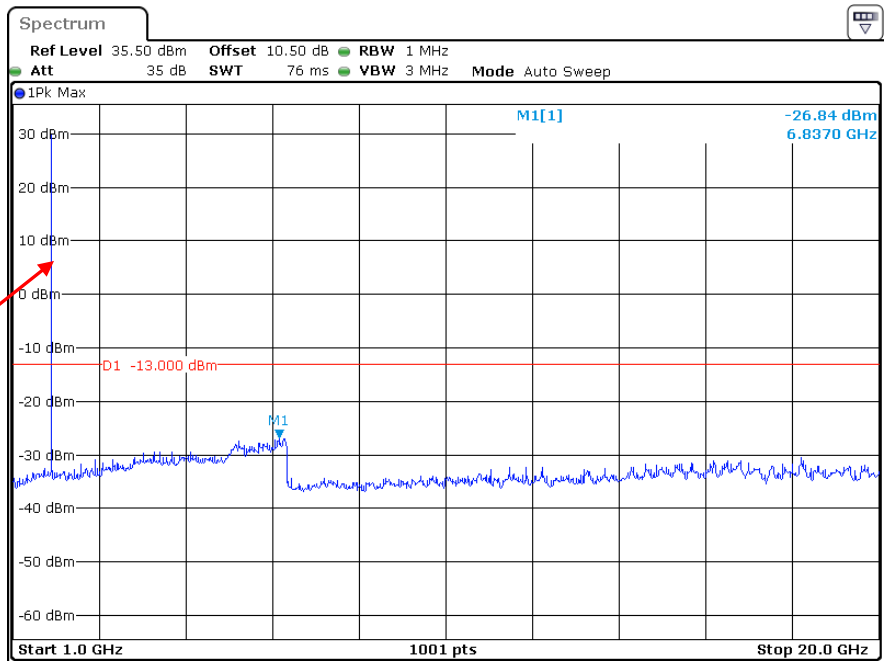
30 MHz – 1GHz (GSM Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:59:32

1 GHz – 20GHz (GSM Mode)



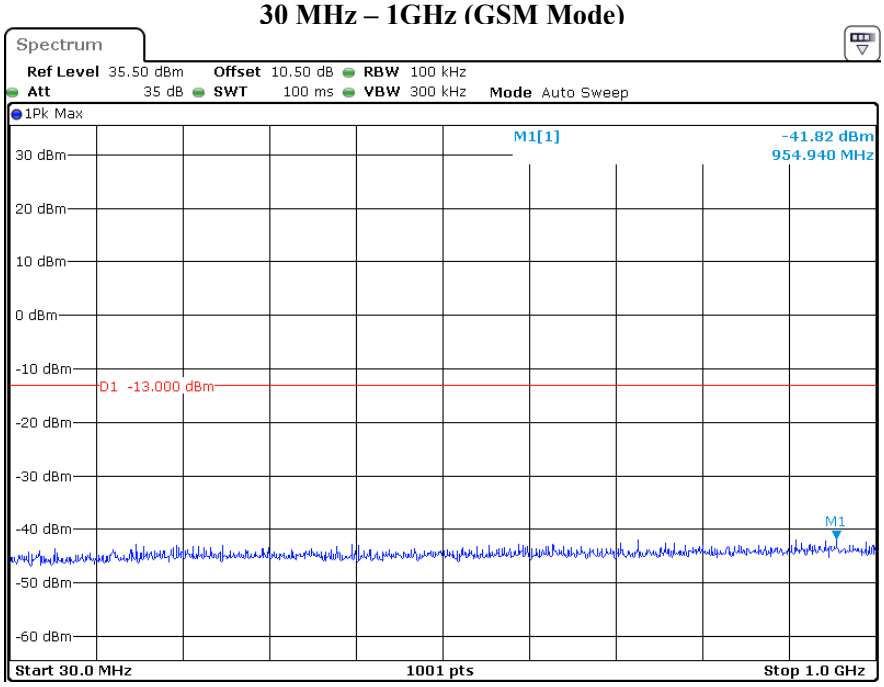
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:00:00

Middle Channel:

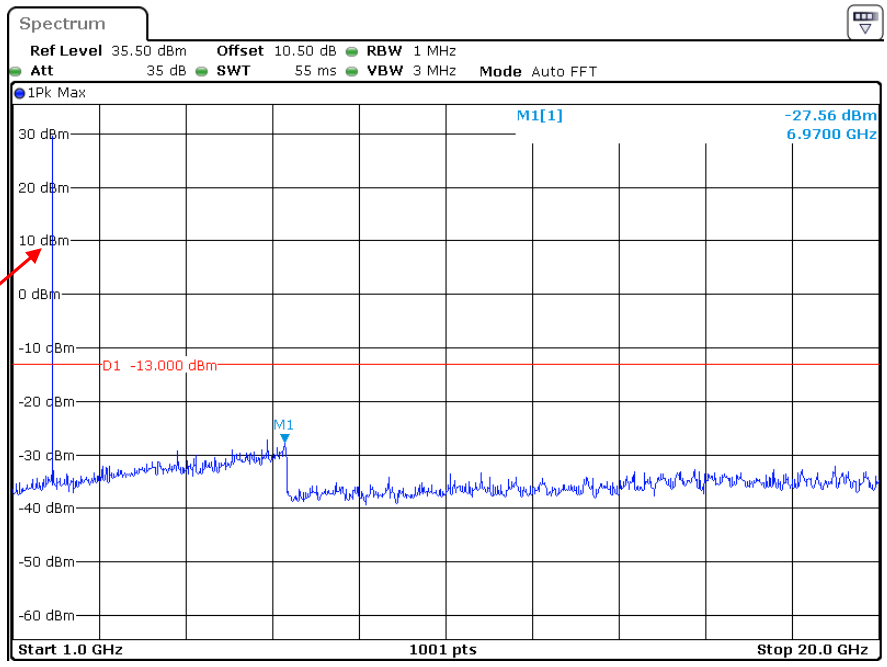
30 MHz – 1GHz (GSM Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:55:22

1 GHz – 20GHz (GSM Mode)



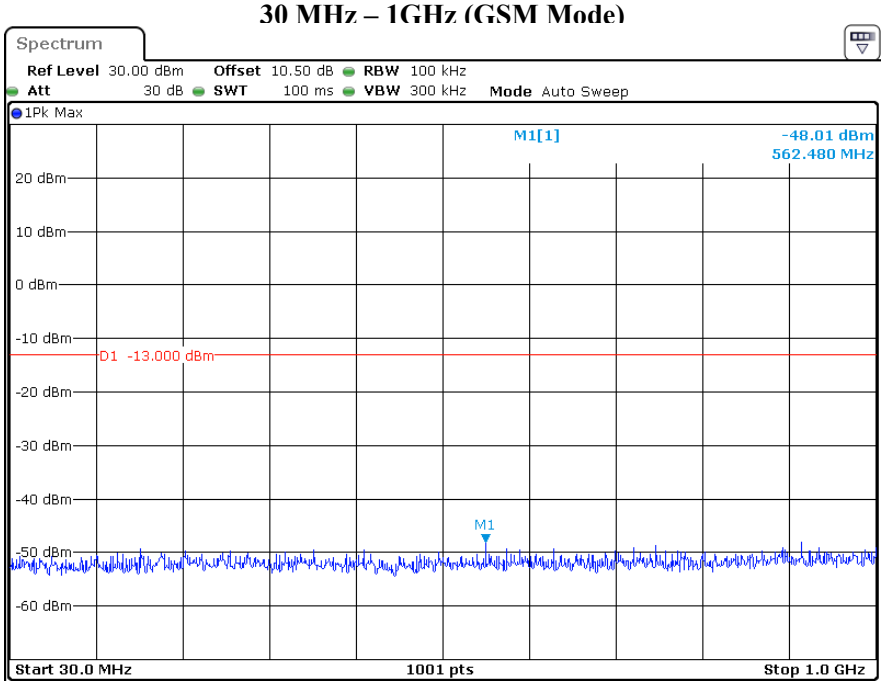
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:56:21

High Channel:

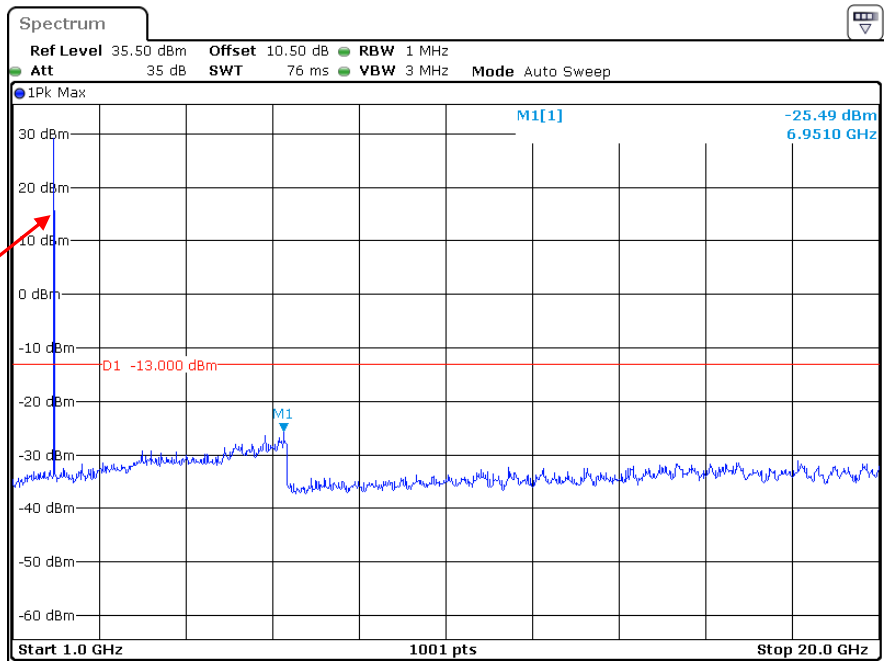
30 MHz – 1GHz (GSM Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:52:12

1 GHz – 20GHz (GSM Mode)



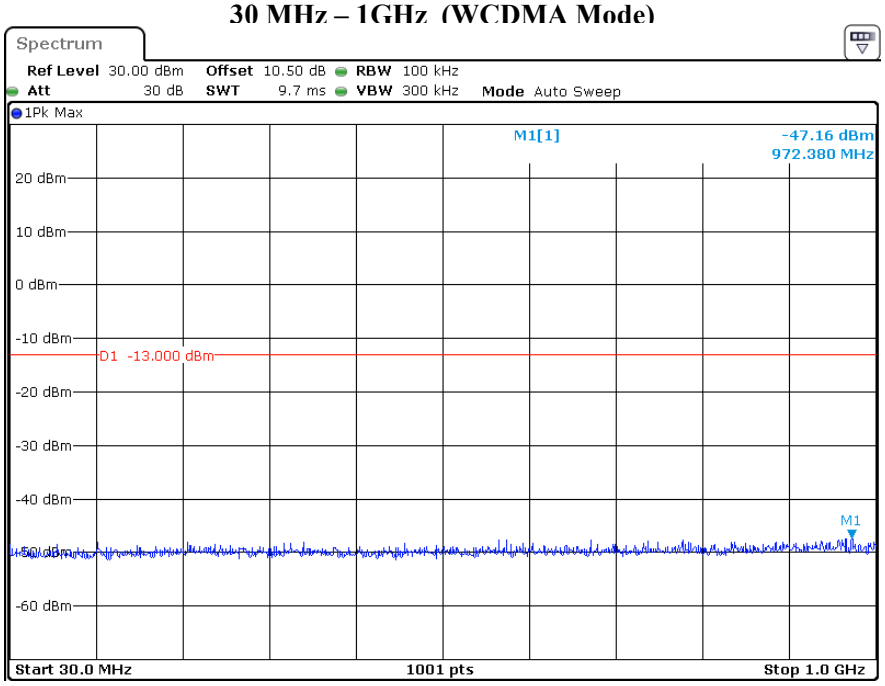
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:53:07

Low Channel:

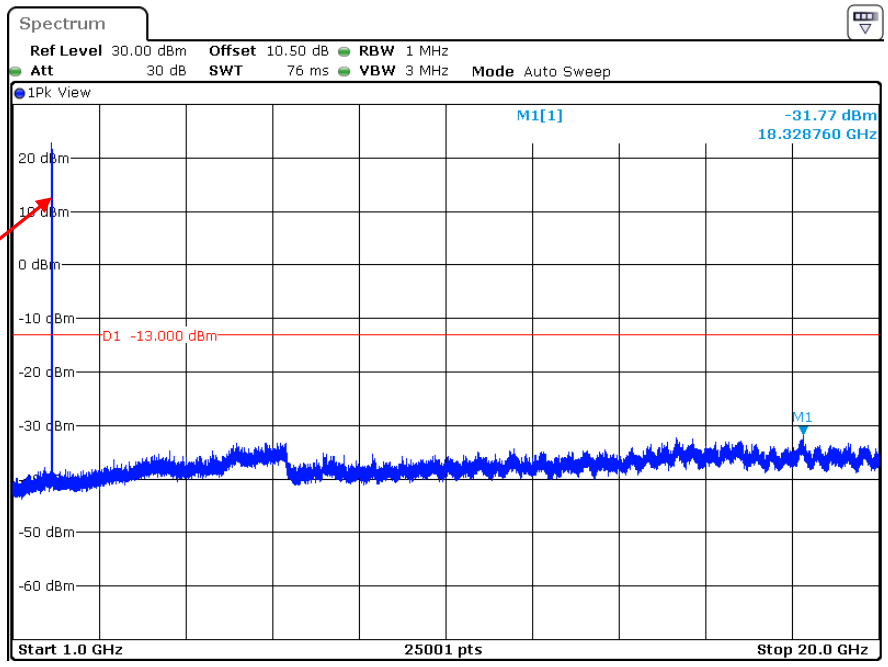
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:53:23

1 GHz – 20GHz (WCDMA Mode)



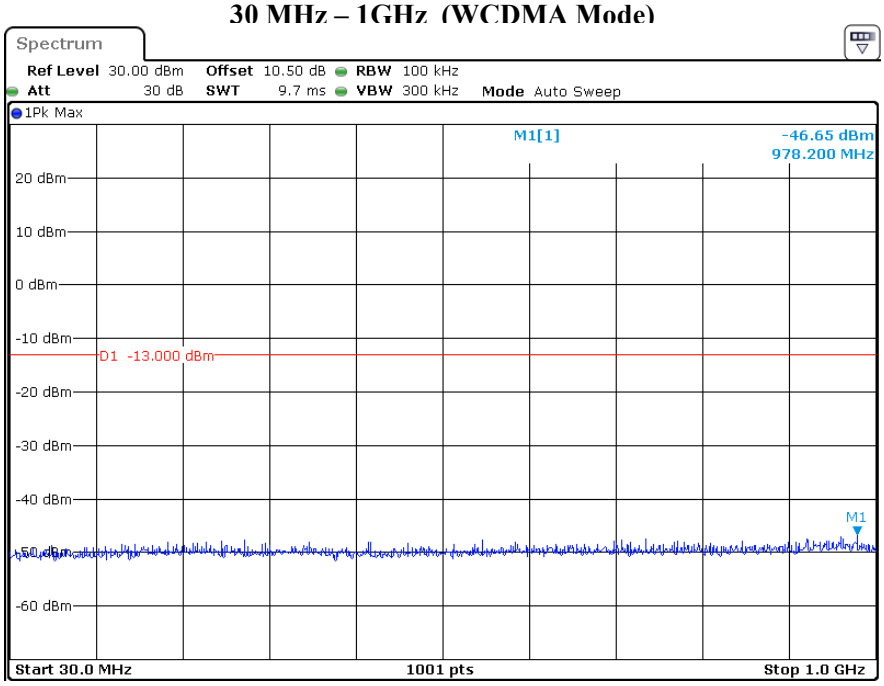
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:54:21

Middle Channel:

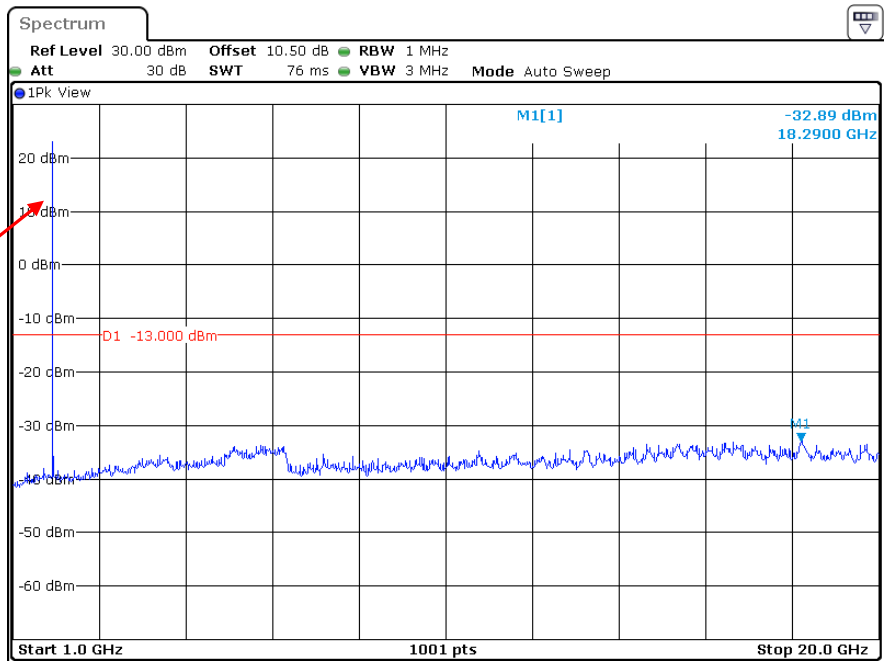
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:56:40

1 GHz – 20GHz (WCDMA Mode)



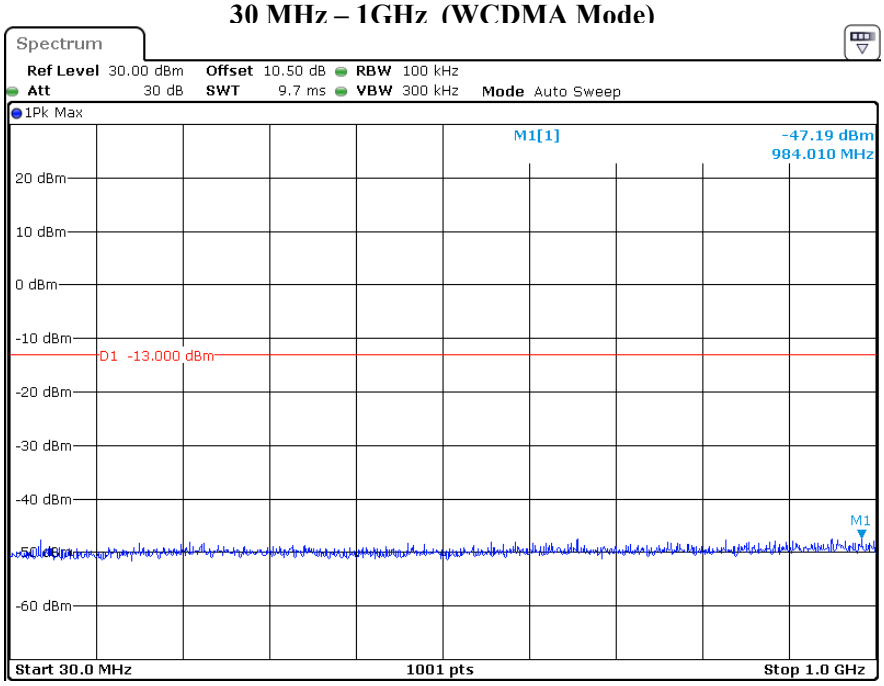
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:57:01

High Channel:

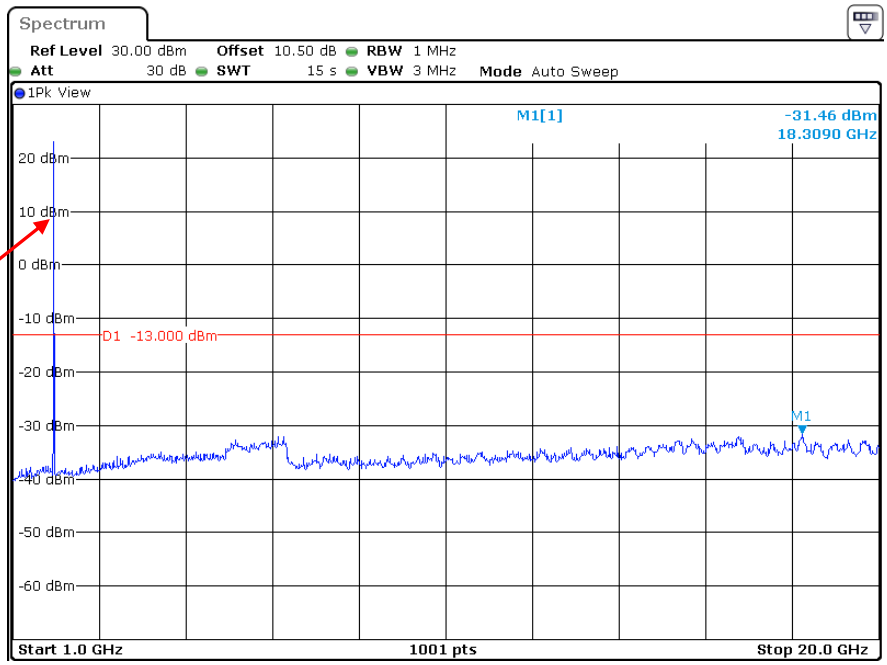
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:00:08

1 GHz – 20GHz (WCDMA Mode)



Fundamental test

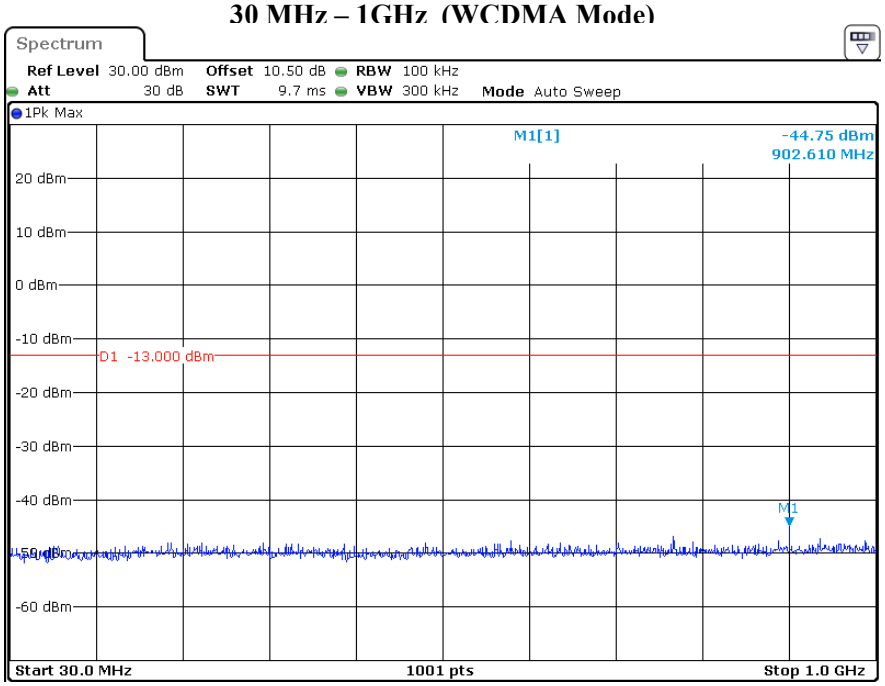
ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:00:55

AWS Band

Low Channel:

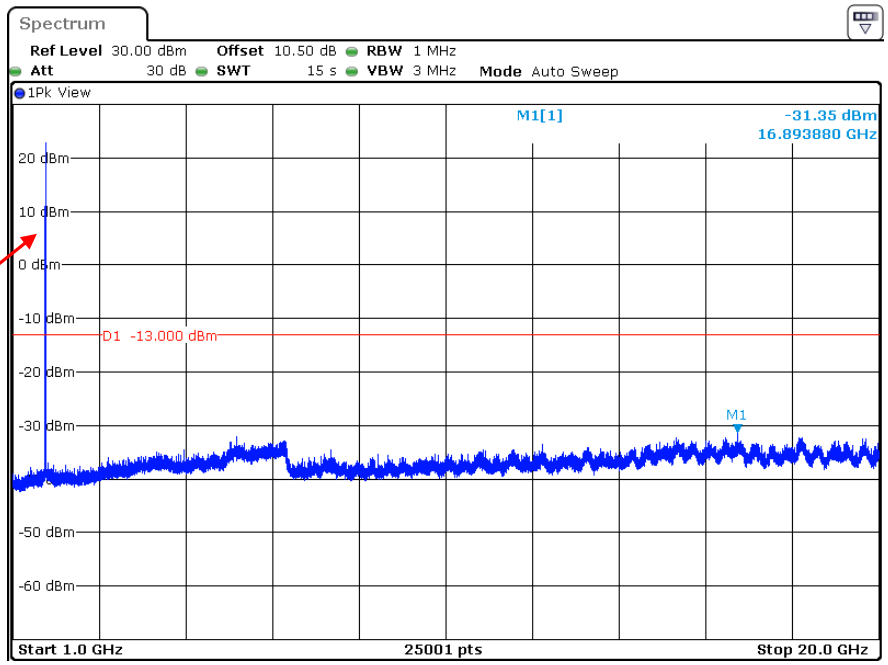
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:11:10

1 GHz – 20GHz (WCDMA Mode)



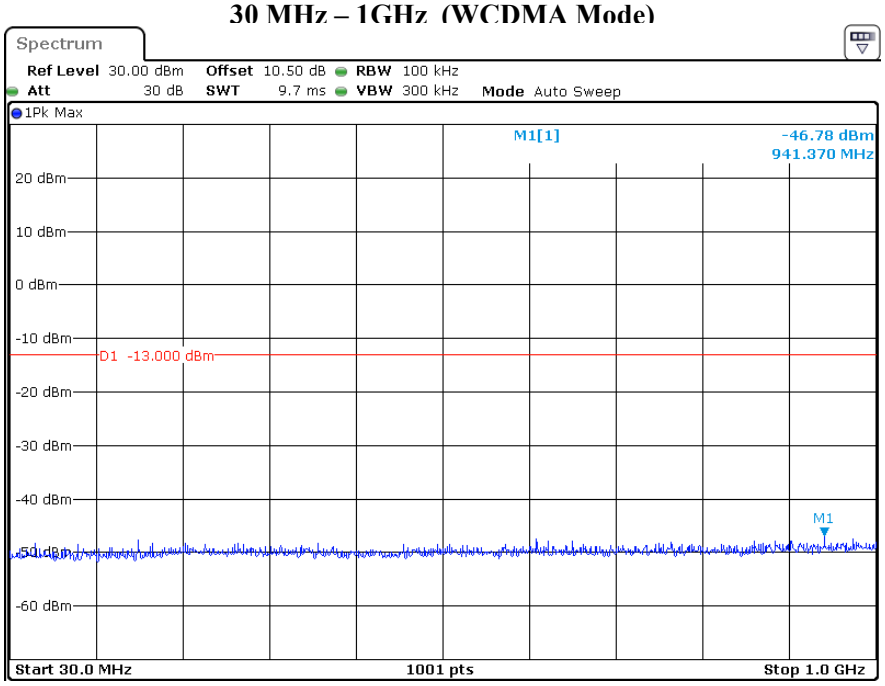
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:11:56

Middle Channel:

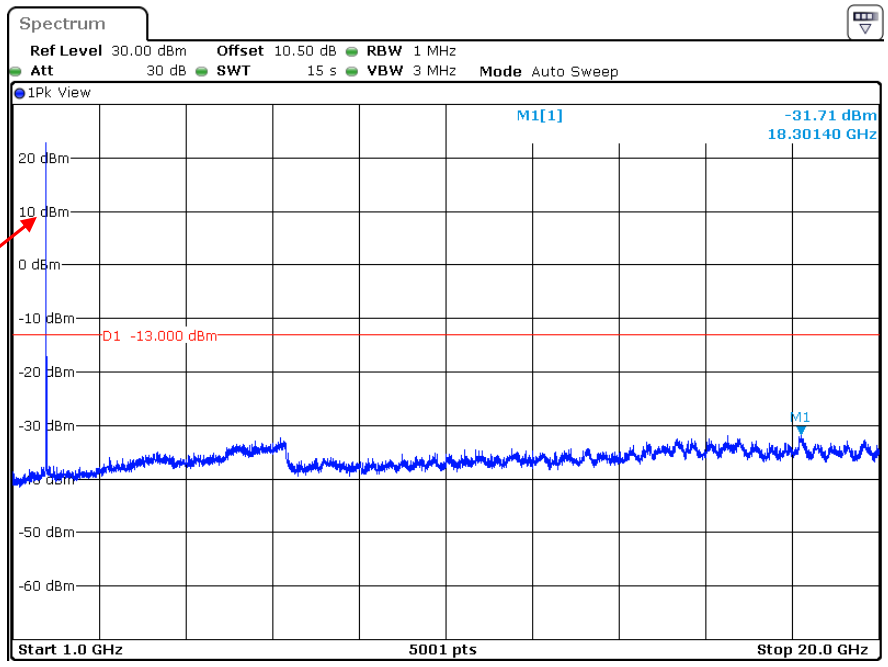
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:14:42

1 GHz – 20GHz (WCDMA Mode)



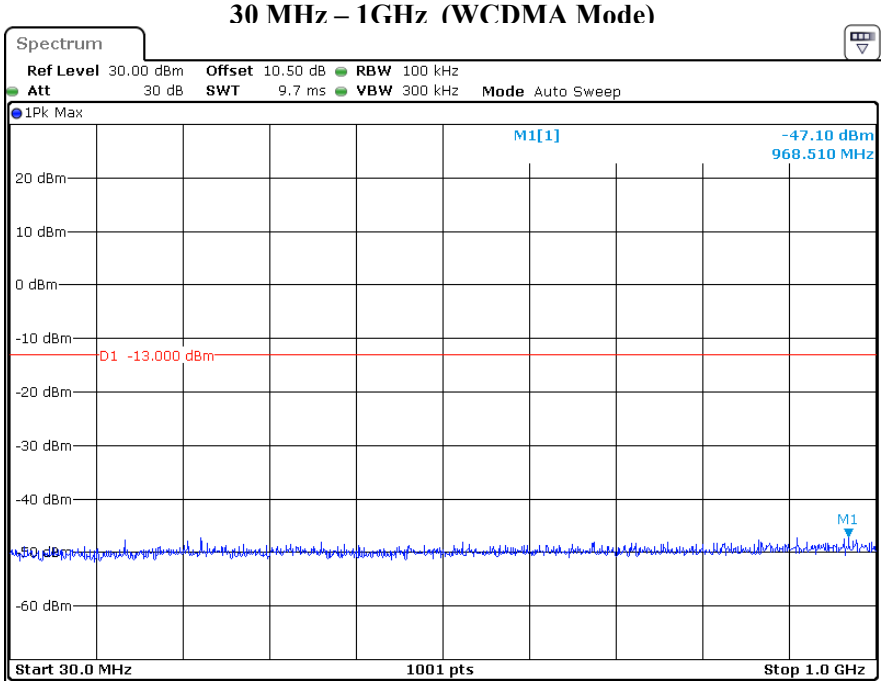
Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:15:29

High Channel:

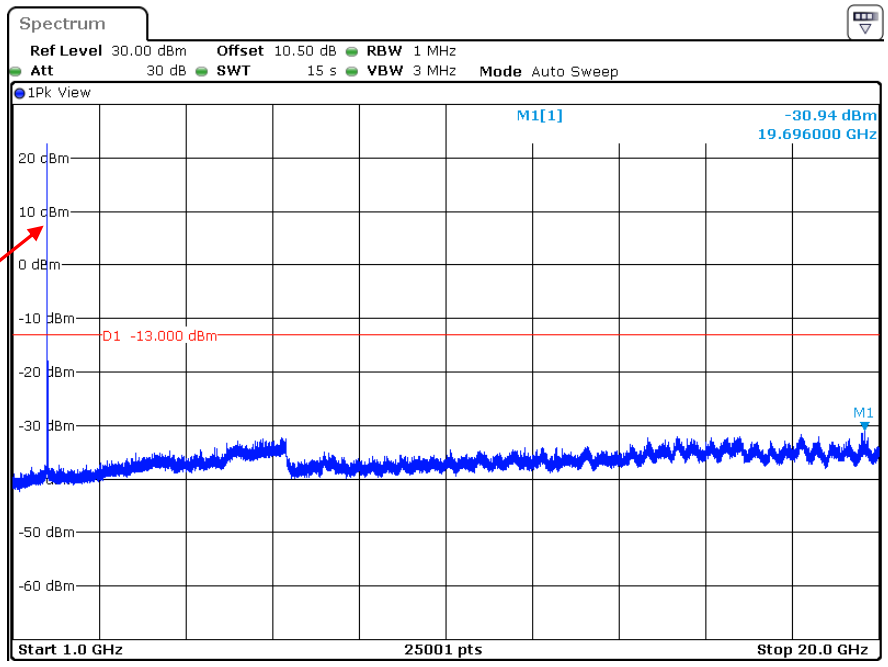
30 MHz – 1GHz (WCDMA Mode)



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:19:04

1 GHz – 20GHz (WCDMA Mode)



Fundamental test

ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:20:26

The test plots of LTE band please refer to the Appendix B.

FCC § 2.1053; § 22.917 (a);§ 24.238 (a); §27.53 - SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917(a)& § 24.238(a) &§ 27.53.

Test Procedure

ANSI/TIA-603-E-2016 Section 2.2.12
KDB 671168 D01 v03r01 Section 6.2

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 receiving 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.

Test Data

Environmental Conditions

Temperature:	22~24.5 ℃
Relative Humidity:	50~54 %
ATM Pressure:	101 kPa

The testing was performed by Warren Huang on 2024-01-20 for below 1GHz and Zenos Qiao on 2024-01-31 for above 1GHz.

EUT operation mode: Transmitting (Pre-scan in the X, Y and Z axes of orientation, the worst case Y-axis of orientation was recorded)

Frequency (MHz)	Receiver Reading (dBµV)	Turn Table	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Angle Degree	Height (m)	Polar (H / V)	Substituted Level (dBm)	Cable loss (dB)	Antenna Gain (dB)			
GSM 850 (30MHz-10GHz)										
Low Channel										
952.8	32.65	174	1.4	H	-63.9	1.36	0.0	-65.26	-13	52.26
952.8	32.82	151	1.7	V	-61.2	1.36	0.0	-62.56	-13	49.56
1648.40	53.89	283	2.3	H	-53.8	0.90	8.60	-46.10	-13	33.10
1648.40	53.24	156	1.8	V	-55.0	0.90	8.60	-47.30	-13	34.30
2472.60	62.68	155	2.2	H	-44.7	1.10	8.80	-37.00	-13	24.00
2472.60	61.75	35	1.2	V	-45.4	1.10	8.80	-37.70	-13	24.70
3296.80	47.02	285	2.3	H	-59.0	1.30	8.80	-51.50	-13	38.50
3296.80	47.91	236	1.9	V	-57.8	1.30	8.80	-50.30	-13	37.30
Middle Channel										
954.6	32.94	207	2.5	H	-63.6	1.36	0.0	-64.96	-13	51.96
954.6	33.08	177	2.2	V	-61.0	1.36	0.0	-62.36	-13	49.36
1673.20	54.54	243	1.9	H	-53.0	0.90	8.60	-45.30	-13	32.30
1673.20	53.87	8	1.9	V	-54.3	0.90	8.60	-46.60	-13	33.60
2509.80	63.21	155	2.2	H	-44.2	1.10	8.80	-36.50	-13	23.50
2509.80	62.46	141	1.5	V	-44.7	1.10	8.80	-37.00	-13	24.00
3346.40	46.78	317	1.5	H	-59.2	1.30	8.80	-51.70	-13	38.70
3346.40	47.53	274	2.4	V	-58.2	1.30	8.80	-50.70	-13	37.70
High Channel										
956.3	33.21	37	1.3	H	-63.3	1.36	0.0	-64.66	-13	51.66
956.3	33.35	71	2.1	V	-60.7	1.36	0.0	-62.06	-13	49.06
1697.60	55.64	338	1.8	H	-51.9	0.90	8.60	-44.20	-13	31.20
1697.60	54.72	146	2.2	V	-53.4	0.90	8.60	-45.70	-13	32.70
2546.40	64.39	72	2.4	H	-43.0	1.10	8.80	-35.30	-13	22.30
2546.40	63.45	50	1.9	V	-43.7	1.10	8.80	-36.00	-13	23.00
3395.20	47.68	142	2.0	H	-58.3	1.30	9.90	-49.70	-13	36.70
3395.20	48.33	131	2.1	V	-57.3	1.30	9.90	-48.70	-13	35.70
PCS 1900 (30MHz-20GHz)										
Low Channel										
952.5	31.89	4	1.1	H	-64.6	1.36	0.0	-65.96	-13	52.96
952.5	32.25	213	1.3	V	-61.8	1.36	0.0	-63.16	-13	50.16
3700.40	51.02	151	1.7	H	-54.4	1.30	11.00	-44.70	-13	31.70
3700.40	50.37	28	1.2	V	-54.9	1.30	11.00	-45.20	-13	32.20
Middle Channel										
957.6	32.41	213	1.5	H	-64.1	1.36	0.0	-65.46	-13	52.46
957.6	32.57	196	1.1	V	-61.5	1.36	0.0	-62.86	-13	49.86
3760.00	51.51	11	1.2	H	-53.6	1.30	10.70	-44.20	-13	31.20
3760.00	50.64	140	1.5	V	-54.4	1.30	10.70	-45.00	-13	32.00
High Channel										

954.0	32.82	116	2.3	H	-63.7	1.36	0.0	-65.06	-13	52.06
954.0	32.97	229	1.3	V	-61.1	1.36	0.0	-62.46	-13	49.46
3819.60	53.27	11	1.5	H	-51.9	1.30	10.70	-42.50	-13	29.50
3819.60	52.56	119	1.6	V	-52.5	1.30	10.70	-43.10	-13	30.10

Frequency (MHz)	Receiver Reading (dBμV)	Turn Table	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Angle Degree	Height (m)	Polar (H / V)	Substituted Level (dBm)	Cable loss (dB)	Antenna Gain (dB)			
Band 2 (30MHz-20GHz)										
Low Channel										
952.6	32.77	265	1.2	H	-63.7	1.36	0.0	-65.06	-13	52.06
952.6	32.36	286	1.0	V	-61.7	1.36	0.0	-63.06	-13	50.06
3704.80	47.54	214	1.8	H	-57.9	1.30	11.00	-48.20	-13	35.20
3704.80	47.98	124	2.5	V	-57.3	1.30	11.00	-47.60	-13	34.60
5557.20	47.69	107	1.9	H	-54.7	1.70	10.90	-45.50	-13	32.50
5557.20	47.13	105	1.6	V	-55.4	1.70	10.90	-46.20	-13	33.20
Middle Channel										
951.0	32.96	355	1.8	H	-63.5	1.36	0.0	-64.86	-13	51.86
951.0	32.62	146	1.8	V	-61.4	1.36	0.0	-62.76	-13	49.76
3760.00	47.78	232	1.9	H	-57.4	1.30	10.70	-48.00	-13	35.00
3760.00	48.16	305	1.3	V	-56.9	1.30	10.70	-47.50	-13	34.50
5640.00	47.92	227	1.9	H	-54.5	1.70	10.90	-45.30	-13	32.30
5640.00	47.45	210	2.3	V	-55.1	1.70	10.90	-45.90	-13	32.90
High Channel										
953.4	33.15	275	1.6	H	-63.4	1.36	0.0	-64.76	-13	51.76
953.4	32.80	351	1.4	V	-61.3	1.36	0.0	-62.66	-13	49.66
3815.20	48.48	203	2.4	H	-56.7	1.30	10.70	-47.30	-13	34.30
3815.20	48.89	175	1.3	V	-56.2	1.30	10.70	-46.80	-13	33.80
5722.80	48.53	58	1.1	H	-53.7	1.70	11.10	-44.30	-13	31.30
5722.80	48.01	144	1.3	V	-54.3	1.70	11.10	-44.90	-13	31.90
Band 4 (30MHz-20GHz)										
Low Channel										
956.6	32.63	64	1.2	H	-63.9	1.36	0.0	-65.26	-13	52.26
956.6	33.11	128	1.4	V	-60.9	1.36	0.0	-62.26	-13	49.26
3424.80	49.78	245	2.5	H	-56.2	1.30	9.90	-47.60	-13	34.60
3424.80	49.17	269	1.9	V	-56.5	1.30	9.90	-47.90	-13	34.90
5137.20	47.63	71	2.0	H	-55.5	1.50	9.60	-47.40	-13	34.40
5137.20	47.09	193	2.0	V	-55.5	1.50	9.60	-47.40	-13	34.40
Middle Channel										
954.8	32.91	73	1.8	H	-63.6	1.36	0.0	-64.96	-13	51.96
954.8	33.43	254	2.3	V	-60.6	1.36	0.0	-61.96	-13	48.96
3465.20	50.19	290	1.6	H	-55.8	1.30	10.50	-46.60	-13	33.60
3465.20	49.65	147	1.1	V	-56.0	1.30	10.50	-46.80	-13	33.80
5197.80	47.96	53	1.2	H	-55.1	1.60	9.70	-47.00	-13	34.00
5197.80	47.44	332	1.9	V	-55.2	1.60	9.70	-47.10	-13	34.10
High Channel										
956.2	33.45	204	2.2	H	-63.1	1.36	0.0	-64.46	-13	51.46
956.2	33.68	294	1.1	V	-60.4	1.36	0.0	-61.76	-13	48.76

3505.20	51.36	100	2.5	H	-54.6	1.30	10.50	-45.40	-13	32.40
3505.20	50.53	12	1.4	V	-55.1	1.30	10.50	-45.90	-13	32.90
5257.80	48.87	283	1.3	H	-54.0	1.60	10.00	-45.60	-13	32.60
5257.80	48.21	352	1.4	V	-54.5	1.60	10.00	-46.10	-13	33.10
Band 5 (30MHz-10GHz)										
Low Channel										
956.5	34.16	102	1.5	H	-62.3	1.36	0.0	-63.66	-13	50.66
956.5	33.52	300	2.4	V	-60.5	1.36	0.0	-61.86	-13	48.86
1652.80	52.75	232	1.9	H	-54.8	0.90	8.60	-47.10	-13	34.10
1652.80	51.93	192	1.3	V	-56.2	0.90	8.60	-48.50	-13	35.50
2479.20	51.04	79	2.4	H	-56.3	1.10	8.80	-48.60	-13	35.60
2479.20	50.27	211	2.2	V	-56.8	1.10	8.80	-49.10	-13	36.10
3305.60	47.12	61	1.6	H	-58.9	1.30	8.80	-51.40	-13	38.40
3305.60	47.39	358	2.2	V	-58.3	1.30	8.80	-50.80	-13	37.80
Middle Channel										
958.7	32.49	360	2.4	H	-64.0	1.36	0.0	-65.36	-13	52.36
958.7	33.66	279	2.3	V	-60.4	1.36	0.0	-61.76	-13	48.76
1673.20	53.36	297	1.2	H	-54.2	0.90	8.60	-46.50	-13	33.50
1673.20	52.45	122	1.4	V	-55.7	0.90	8.60	-48.00	-13	35.00
2509.80	51.52	330	2.1	H	-55.8	1.10	8.80	-48.10	-13	35.10
2509.80	50.71	10	2.2	V	-56.4	1.10	8.80	-48.70	-13	35.70
3346.40	47.64	174	1.5	H	-58.3	1.30	8.80	-50.80	-13	37.80
3346.40	47.87	123	1.6	V	-57.8	1.30	8.80	-50.30	-13	37.30
High Channel										
954.9	32.89	354	2.0	H	-63.6	1.36	0.0	-64.96	-13	51.96
954.9	33.96	342	2.4	V	-60.1	1.36	0.0	-61.46	-13	48.46
1693.20	54.57	133	1.9	H	-53.0	0.90	8.60	-45.30	-13	32.30
1693.20	53.84	156	1.3	V	-54.3	0.90	8.60	-46.60	-13	33.60
2539.80	52.45	200	2.1	H	-54.9	1.10	8.80	-47.20	-13	34.20
2539.80	51.98	174	1.1	V	-55.1	1.10	8.80	-47.40	-13	34.40
3386.40	48.21	106	1.4	H	-57.8	1.30	9.90	-49.20	-13	36.20
3386.40	48.63	303	1.1	V	-57.0	1.30	9.90	-48.40	-13	35.40

LTE Bands:
(pre-scan QPSK, 16QAM, 64QAM and 256QAM with all bandwidths, the worst case as below)

Frequency (MHz)	Receiver Reading (dBμV)	Turn Table	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
		Angle Degree	Height (m)	Polar (H / V)	Substituted Level (dBm)	Cable loss (dB)	Antenna Gain (dB)			
Band 2 (30MHz-20GHz)										
QPSK, 1.4MHz, Low Channel										
951.1	31.23	305	1.3	H	-65.3	1.36	0.0	-66.66	-13	53.66
951.1	31.70	38	2.2	V	-62.4	1.36	0.0	-63.76	-13	50.76
3701.40	48.87	320	2.3	H	-56.5	1.30	11.00	-46.80	-13	33.80
3701.40	49.45	260	1.3	V	-55.8	1.30	11.00	-46.10	-13	33.10
5552.10	51.04	142	1.3	H	-51.4	1.70	10.90	-42.20	-13	29.20
5552.10	50.39	158	1.8	V	-52.2	1.70	10.90	-43.00	-13	30.00
QPSK, 1.4MHz, Middle Channel										
950.6	31.45	335	1.1	H	-65.1	1.36	0.0	-66.46	-13	53.46
950.6	32.88	52	2.5	V	-61.2	1.36	0.0	-62.56	-13	49.56
3760.00	49.41	43	2.0	H	-55.7	1.30	10.70	-46.30	-13	33.30
3760.00	49.72	257	2.2	V	-55.3	1.30	10.70	-45.90	-13	32.90
5640.00	51.59	316	1.4	H	-50.8	1.70	10.90	-41.60	-13	28.60
5640.00	50.13	207	1.3	V	-52.4	1.70	10.90	-43.20	-13	30.20
QPSK, 1.4MHz, High Channel										
958.5	31.68	208	1.2	H	-64.8	1.36	0.0	-66.16	-13	53.16
958.5	33.06	130	2.3	V	-61.0	1.36	0.0	-62.36	-13	49.36
3818.60	50.54	232	1.3	H	-54.6	1.30	10.70	-45.20	-13	32.20
3818.60	50.97	215	1.2	V	-54.1	1.30	10.70	-44.70	-13	31.70
5727.90	52.86	156	1.7	H	-49.3	1.70	11.10	-39.90	-13	26.90
5727.90	51.68	292	2.4	V	-50.7	1.70	11.10	-41.30	-13	28.30
Band 4 (30MHz-20GHz)										
QPSK, 1.4MHz, Low Channel										
952.9	32.12	243	2.2	H	-64.4	1.36	0.0	-65.76	-13	52.76
952.9	33.23	178	1.3	V	-60.8	1.36	0.0	-62.16	-13	49.16
3421.40	49.24	89	1.3	H	-56.7	1.30	9.90	-48.10	-13	35.10
3421.40	48.41	81	1.7	V	-57.2	1.30	9.90	-48.60	-13	35.60
5132.10	50.87	157	1.5	H	-52.3	1.50	9.60	-44.20	-13	31.20
5132.10	49.19	43	1.0	V	-53.4	1.50	9.60	-45.30	-13	32.30
QPSK, 1.4MHz, Middle Channel										
948.0	32.26	265	2.1	H	-64.2	1.36	0.0	-65.56	-13	52.56
948.0	33.41	208	1.8	V	-60.6	1.36	0.0	-61.96	-13	48.96
3465.00	49.89	250	2.2	H	-56.1	1.30	10.50	-46.90	-13	33.90
3465.00	48.95	86	1.0	V	-56.7	1.30	10.50	-47.50	-13	34.50
5197.50	51.57	321	1.0	H	-51.5	1.60	9.70	-43.40	-13	30.40
5197.50	49.48	17	1.3	V	-53.2	1.60	9.70	-45.10	-13	32.10
QPSK, 1.4MHz, High Channel										

943.6	33.48	133	1.1	H	-63.0	1.36	0.0	-64.36	-13	51.36
943.6	33.63	221	2.0	V	-60.4	1.36	0.0	-61.76	-13	48.76
3508.60	50.69	328	1.7	H	-55.3	1.30	10.50	-46.10	-13	33.10
3508.60	49.87	243	2.1	V	-55.8	1.30	10.50	-46.60	-13	33.60
5262.90	52.15	109	1.7	H	-50.8	1.60	10.00	-42.40	-13	29.40
5262.90	50.73	314	2.4	V	-52.0	1.60	10.00	-43.60	-13	30.60
Band 5 (30MHz-10GHz)										
QPSK, 1.4MHz, Low Channel										
956.1	31.76	44	1.6	H	-64.7	1.36	0.0	-66.06	-13	53.06
956.1	31.92	144	1.5	V	-62.1	1.36	0.0	-63.46	-13	50.46
1649.40	51.57	4	1.0	H	-56.1	0.90	8.60	-48.40	-13	35.40
1649.40	50.82	203	2.0	V	-57.4	0.90	8.60	-49.70	-13	36.70
2474.10	58.39	185	1.0	H	-49.0	1.10	8.80	-41.30	-13	28.30
2474.10	57.45	135	1.3	V	-49.7	1.10	8.80	-42.00	-13	29.00
3298.80	51.12	51	2.2	H	-54.9	1.30	8.80	-47.40	-13	34.40
3298.80	50.38	90	1.8	V	-55.3	1.30	8.80	-47.80	-13	34.80
QPSK, 1.4MHz, Middle Channel										
954.5	31.87	59	1.8	H	-64.6	1.36	0.0	-65.96	-13	52.96
954.5	32.15	195	1.7	V	-61.9	1.36	0.0	-63.26	-13	50.26
1673.00	52.09	48	1.1	H	-55.5	0.90	8.60	-47.80	-13	34.80
1673.00	51.25	41	2.0	V	-56.9	0.90	8.60	-49.20	-13	36.20
2509.50	59.31	140	2.5	H	-48.1	1.10	8.80	-40.40	-13	27.40
2509.50	58.17	239	2.0	V	-48.9	1.10	8.80	-41.20	-13	28.20
3346.00	51.68	164	1.7	H	-54.3	1.30	8.80	-46.80	-13	33.80
3346.00	50.83	90	1.8	V	-54.9	1.30	8.80	-47.40	-13	34.40
QPSK, 1.4MHz, High Channel										
956.2	32.05	213	1.2	H	-64.5	1.36	0.0	-65.86	-13	52.86
956.2	32.34	28	2.0	V	-61.7	1.36	0.0	-63.06	-13	50.06
1696.60	53.32	307	1.0	H	-54.2	0.90	8.60	-46.50	-13	33.50
1696.60	52.29	338	1.0	V	-55.9	0.90	8.60	-48.20	-13	35.20
2544.90	60.48	298	1.5	H	-46.9	1.10	8.80	-39.20	-13	26.20
2544.90	59.55	210	2.0	V	-47.6	1.10	8.80	-39.90	-13	26.90
3393.20	52.97	209	2.4	H	-53.0	1.30	9.90	-44.40	-13	31.40
3393.20	52.14	49	1.2	V	-53.5	1.30	9.90	-44.90	-13	31.90
Band 7 (30MHz-26.5GHz)										
QPSK, 5MHz, Low Channel										
957.3	31.68	154	1.1	H	-64.8	1.36	0.0	-66.16	-25	41.16
957.3	32.14	25	1.2	V	-61.9	1.36	0.0	-63.26	-25	38.26
5005.00	47.87	359	1.8	H	-55.4	1.50	9.80	-47.10	-25	22.10
5005.00	48.45	79	1.9	V	-54.1	1.50	9.80	-45.80	-25	20.80
7507.50	47.54	225	1.0	H	-48.4	1.90	10.80	-39.50	-25	14.50
7507.50	46.93	170	2.2	V	-49.4	1.90	10.80	-40.50	-25	15.50
QPSK, 5MHz, Middle Channel										
956.8	31.87	159	1.3	H	-64.6	1.36	0.0	-65.96	-25	40.96
956.8	32.35	50	1.4	V	-61.7	1.36	0.0	-63.06	-25	38.06

5070.00	48.36	305	1.6	H	-54.8	1.50	9.60	-46.70	-25	21.70
5070.00	48.81	250	1.6	V	-53.8	1.50	9.60	-45.70	-25	20.70
7605.00	47.95	342	1.5	H	-47.9	1.90	11.00	-38.80	-25	13.80
7605.00	47.27	203	1.4	V	-49.0	1.90	11.00	-39.90	-25	14.90
QPSK, 5MHz, High Channel										
954.2	31.96	19	1.6	H	-64.5	1.36	0.0	-65.86	-25	40.86
954.2	32.60	45	1.8	V	-61.5	1.36	0.0	-62.86	-25	37.86
5135.00	48.72	321	1.7	H	-54.5	1.50	9.60	-46.40	-25	21.40
5135.00	49.39	351	1.2	V	-53.2	1.50	9.60	-45.10	-25	20.10
7702.50	48.45	43	1.9	H	-47.4	1.90	10.90	-38.40	-25	13.40
7702.50	47.91	200	1.3	V	-48.3	1.90	10.90	-39.30	-25	14.30
Band 12 (30MHz-10GHz)										
QPSK, 1.4MHz, Low Channel										
952.6	30.21	295	1.2	H	-66.3	1.36	0.0	-67.66	-13	54.66
952.6	31.56	301	1.7	V	-62.5	1.36	0.0	-63.86	-13	50.86
1399.40	47.18	141	1.7	H	-60.5	0.80	7.90	-53.40	-13	40.40
1399.40	46.51	231	1.6	V	-61.9	0.80	7.90	-54.80	-13	41.80
2099.10	54.94	150	2.4	H	-52.4	1.00	8.30	-45.10	-13	32.10
2099.10	55.86	248	2.0	V	-52.0	1.00	8.30	-44.70	-13	31.70
2798.80	50.72	313	2.5	H	-55.8	1.20	9.20	-47.80	-13	34.80
2798.80	50.07	73	2.0	V	-56.2	1.20	9.20	-48.20	-13	35.20
QPSK, 1.4MHz, Middle Channel										
954.7	30.42	116	1.7	H	-66.1	1.36	0.0	-67.46	-13	54.46
954.7	31.80	136	1.2	V	-62.3	1.36	0.0	-63.66	-13	50.66
1415.00	47.54	42	1.4	H	-60.2	0.80	7.90	-53.10	-13	40.10
1415.00	46.83	120	2.0	V	-61.6	0.80	7.90	-54.50	-13	41.50
2122.50	55.78	117	2.3	H	-51.5	1.00	8.30	-44.20	-13	31.20
2122.50	56.67	253	2.4	V	-51.2	1.00	8.30	-43.90	-13	30.90
2830.00	51.39	82	1.6	H	-55.2	1.20	9.20	-47.20	-13	34.20
2830.00	50.85	261	1.5	V	-55.5	1.20	9.20	-47.50	-13	34.50
QPSK, 1.4MHz, High Channel										
958.3	30.82	205	1.5	H	-65.7	1.36	0.0	-67.06	-13	54.06
958.3	31.99	129	2.4	V	-62.1	1.36	0.0	-63.46	-13	50.46
1430.60	48.96	201	1.2	H	-58.7	0.80	7.90	-51.60	-13	38.60
1430.60	48.27	138	1.3	V	-60.1	0.80	7.90	-53.00	-13	40.00
2145.90	56.63	181	2.0	H	-50.7	1.00	8.30	-43.40	-13	30.40
2145.90	57.75	108	1.8	V	-50.1	1.00	8.30	-42.80	-13	29.80
2861.20	52.48	83	2.0	H	-53.8	1.20	9.00	-46.00	-13	33.00
2861.20	51.54	121	1.5	V	-54.5	1.20	9.00	-46.70	-13	33.70
Band 17 (30MHz-10GHz)										
QPSK, 5MHz, Low Channel										
952.3	32.35	13	2.2	H	-64.2	1.36	0.0	-65.56	-13	52.56
952.3	32.78	125	1.0	V	-61.3	1.36	0.0	-62.66	-13	49.66
1413.00	46.96	330	2.5	H	-60.7	0.80	7.90	-53.60	-13	40.60
1413.00	47.48	121	2.5	V	-60.9	0.80	7.90	-53.80	-13	40.80

2119.50	59.75	131	2.3	H	-47.6	1.00	8.30	-40.30	-13	27.30
2119.50	58.64	324	1.4	V	-49.2	1.00	8.30	-41.90	-13	28.90
2826.00	51.87	190	2.4	H	-54.7	1.20	9.20	-46.70	-13	33.70
2826.00	52.92	8	1.9	V	-53.4	1.20	9.20	-45.40	-13	32.40
QPSK, 5MHz, Middle Channel										
949.6	32.71	226	2.1	H	-63.8	1.36	0.0	-65.16	-13	52.16
949.6	32.94	347	1.8	V	-61.1	1.36	0.0	-62.46	-13	49.46
1420.00	47.45	12	1.6	H	-60.3	0.80	7.90	-53.20	-13	40.20
1420.00	48.06	172	1.5	V	-60.3	0.80	7.90	-53.20	-13	40.20
2130.00	60.32	65	2.2	H	-47.0	1.00	8.30	-39.70	-13	26.70
2130.00	59.97	95	2.2	V	-47.9	1.00	8.30	-40.60	-13	27.60
2840.00	52.28	47	1.4	H	-54.3	1.20	9.20	-46.30	-13	33.30
2840.00	53.31	207	1.6	V	-53.0	1.20	9.20	-45.00	-13	32.00
QPSK, 5MHz, High Channel										
957.1	32.82	56	1.3	H	-63.7	1.36	0.0	-65.06	-13	52.06
957.1	33.10	223	1.9	V	-61.0	1.36	0.0	-62.36	-13	49.36
1427.00	48.24	201	1.6	H	-59.5	0.80	7.90	-52.40	-13	39.40
1427.00	49.05	94	1.9	V	-59.4	0.80	7.90	-52.30	-13	39.30
2140.50	61.52	293	1.5	H	-45.8	1.00	8.30	-38.50	-13	25.50
2140.50	60.39	10	2.3	V	-47.4	1.00	8.30	-40.10	-13	27.10
2854.00	53.18	297	1.6	H	-53.1	1.20	9.00	-45.30	-13	32.30
2854.00	54.07	264	1.4	V	-52.0	1.20	9.00	-44.20	-13	31.20
Band 38 (30MHz-26.5GHz)										
QPSK, 5MHz, Low Channel										
953.0	33.52	174	2.0	H	-63.0	1.36	0.0	-64.36	-13	51.36
953.0	33.73	42	1.9	V	-60.3	1.36	0.0	-61.66	-13	48.66
5145.00	47.74	177	1.4	H	-55.4	1.50	9.60	-47.30	-25	22.30
5145.00	48.35	325	1.4	V	-54.3	1.50	9.60	-46.20	-25	21.20
7717.50	48.08	220	1.6	H	-47.7	1.90	10.90	-38.70	-25	13.70
7717.50	47.47	37	2.0	V	-48.7	1.90	10.90	-39.70	-25	14.70
QPSK, 5MHz, Middle Channel										
952.4	33.64	15	2.4	H	-62.9	1.36	0.0	-64.26	-13	51.26
952.4	33.87	42	1.5	V	-60.2	1.36	0.0	-61.56	-13	48.56
5190.00	48.29	134	1.0	H	-54.8	1.60	9.70	-46.70	-25	21.70
5190.00	48.78	61	1.9	V	-53.9	1.60	9.70	-45.80	-25	20.80
7785.00	48.32	19	2.4	H	-47.4	1.90	11.10	-38.20	-25	13.20
7785.00	47.86	21	1.7	V	-48.2	1.90	11.10	-39.00	-25	14.00
QPSK, 5MHz, High Channel										
956.6	33.82	222	1.9	H	-62.7	1.36	0.0	-64.06	-13	51.06
956.6	33.95	279	1.7	V	-60.1	1.36	0.0	-61.46	-13	48.46
5235.00	48.84	55	1.8	H	-54.2	1.60	9.70	-46.10	-25	21.10
5235.00	49.37	170	1.7	V	-53.3	1.60	9.70	-45.20	-25	20.20
7852.50	48.68	188	1.2	H	-47.0	1.90	11.10	-37.80	-25	12.80
7852.50	48.21	355	2.2	V	-47.8	1.90	11.10	-38.60	-25	13.60
Band 40 Lower (30MHz-25GHz)										
QPSK, 5MHz, Low Channel										

954.5	33.29	238	1.0	H	-63.2	1.36	0.0	-64.56	-13	51.56
954.5	34.08	279	2.4	V	-60.0	1.36	0.0	-61.36	-13	48.36
4615.00	46.45	298	2.2	H	-57.5	1.50	10.50	-48.50	-40	8.50
4615.00	46.93	59	1.5	V	-56.7	1.50	10.50	-47.70	-40	7.70
6922.50	44.87	246	1.5	H	-53.4	1.90	10.30	-45.00	-40	5.00
6922.50	45.26	69	1.0	V	-53.1	1.90	10.30	-44.70	-40	4.70
QPSK, 5MHz, Middle Channel										
950.4	34.13	47	1.9	H	-62.4	1.36	0.0	-63.76	-13	50.76
950.4	34.22	118	1.6	V	-59.8	1.36	0.0	-61.16	-13	48.16
4620.00	46.72	209	1.5	H	-57.3	1.50	10.50	-48.30	-40	8.30
4620.00	47.03	12	2.2	V	-56.6	1.50	10.50	-47.60	-40	7.60
6930.00	45.14	22	1.6	H	-53.1	1.90	10.30	-44.70	-40	4.70
6930.00	45.49	238	1.5	V	-52.8	1.90	10.30	-44.40	-40	4.40
QPSK, 5MHz, High Channel										
958.2	34.31	330	1.2	H	-62.2	1.36	0.0	-63.56	-13	50.56
958.2	34.45	145	1.8	V	-59.6	1.36	0.0	-60.96	-13	47.96
4625.00	47.18	9	1.5	H	-56.8	1.50	10.50	-47.80	-40	7.80
4625.00	47.53	350	1.6	V	-56.1	1.50	10.50	-47.10	-40	7.10
6937.50	45.37	207	1.3	H	-52.9	1.90	10.30	-44.50	-40	4.50
6937.50	45.75	207	1.9	V	-52.6	1.90	10.30	-44.20	-40	4.20
Band 40 Upper (30MHz-25GHz)										
QPSK, 5MHz, Low Channel										
956.2	33.86	207	1.3	H	-62.6	1.36	0.0	-63.96	-13	50.96
956.2	32.61	240	1.5	V	-61.4	1.36	0.0	-62.76	-13	49.76
4705.00	46.91	131	1.0	H	-56.9	1.50	10.30	-48.10	-40	8.10
4705.00	47.24	314	2.5	V	-56.1	1.50	10.30	-47.30	-40	7.30
7057.50	45.08	221	2.3	H	-52.3	1.90	10.20	-44.00	-40	4.00
7057.50	45.52	74	1.1	V	-52.0	1.90	10.20	-43.70	-40	3.70
QPSK, 5MHz, Middle Channel										
954.0	34.23	205	2.3	H	-62.3	1.36	0.0	-63.66	-13	50.66
954.0	32.85	345	1.0	V	-61.2	1.36	0.0	-62.56	-13	49.56
4710.00	47.26	180	2.4	H	-56.6	1.50	10.30	-47.80	-40	7.80
4710.00	47.53	125	1.1	V	-55.8	1.50	10.30	-47.00	-40	7.00
7065.00	45.45	311	1.8	H	-51.9	1.90	10.20	-43.60	-40	3.60
7065.00	45.92	73	1.3	V	-51.6	1.90	10.20	-43.30	-40	3.30
QPSK, 5MHz, High Channel										
957.3	34.88	175	2.5	H	-61.6	1.36	0.0	-62.96	-13	49.96
957.3	33.2	37	1.3	V	-60.9	1.36	0.0	-62.26	-13	49.26
4715.00	47.89	72	2.3	H	-55.9	1.50	10.30	-47.10	-40	7.10
4715.00	48.32	191	1.4	V	-55.0	1.50	10.30	-46.20	-40	6.20
7072.50	45.78	225	2.0	H	-51.6	1.90	10.20	-43.30	-40	3.30
7072.50	46.21	64	1.1	V	-51.3	1.90	10.20	-43.00	-40	3.00
Band 41 (30MHz-27GHz)										
QPSK, 5MHz, Low Channel										
960.4	32.38	165	2.2	H	-64.1	1.36	0.0	-65.46	-25	40.46

960.4	32.20	235	2.4	V	-61.9	1.36	0.0	-63.26	-25	38.26
4997.00	48.05	125	1.6	H	-55.3	1.50	9.80	-47.00	-25	22.00
4997.00	48.48	97	1.2	V	-54.1	1.50	9.80	-45.80	-25	20.80
7495.50	47.89	137	2.2	H	-48.1	1.90	10.80	-39.20	-25	14.20
7495.50	47.54	354	2.1	V	-48.8	1.90	10.80	-39.90	-25	14.90
QPSK, 5MHz, Middle Channel										
960.9	32.61	333	1.0	H	-63.9	1.36	0.0	-65.26	-25	40.26
960.9	32.36	339	1.3	V	-61.7	1.36	0.0	-63.06	-25	38.06
5186.00	48.57	327	1.4	H	-54.5	1.60	9.70	-46.40	-25	21.40
5186.00	48.96	54	2.1	V	-53.7	1.60	9.70	-45.60	-25	20.60
7779.00	48.35	12	1.2	H	-47.4	1.90	11.10	-38.20	-25	13.20
7779.00	47.84	61	2.5	V	-48.2	1.90	11.10	-39.00	-25	14.00
QPSK, 5MHz, High Channel										
953.8	32.74	343	2.2	H	-63.8	1.36	0.0	-65.16	-25	40.16
953.8	32.55	309	2.2	V	-61.5	1.36	0.0	-62.86	-25	37.86
5375.00	49.24	11	2.5	H	-53.5	1.70	10.50	-44.70	-25	19.70
5375.00	49.81	248	2.3	V	-52.9	1.70	10.50	-44.10	-25	19.10
8062.50	48.78	227	1.1	H	-46.9	2.00	11.40	-37.50	-25	12.50
8062.50	48.36	288	1.7	V	-47.6	2.00	11.40	-38.20	-25	13.20
Band 42 (30MHz-36GHz)										
QPSK, 5MHz, Low Channel										
949.7	33.72	89	2.2	H	-62.8	1.36	0.0	-64.16	-13	51.16
949.7	32.69	264	1.0	V	-61.4	1.36	0.0	-62.76	-13	49.76
6905.00	44.49	162	1.4	H	-53.8	1.90	10.30	-45.40	-40	5.40
6905.00	44.92	205	2.4	V	-53.4	1.90	10.30	-45.00	-40	5.00
QPSK, 5MHz, Middle Channel										
958.9	34.20	224	2.4	H	-62.3	1.36	0.0	-63.66	-13	50.66
958.9	33.63	28	1.1	V	-60.4	1.36	0.0	-61.76	-13	48.76
7000.00	44.87	176	1.9	H	-52.9	1.90	10.20	-44.60	-40	4.60
7000.00	45.24	220	2.5	V	-52.6	1.90	10.20	-44.30	-40	4.30
QPSK, 5MHz, High Channel										
965.6	34.68	358	1.6	H	-61.8	1.36	0.0	-63.16	-13	50.16
965.6	33.77	155	2.3	V	-60.3	1.36	0.0	-61.66	-13	48.66
7095.00	45.38	170	2.0	H	-52.0	1.90	10.20	-43.70	-40	3.70
7095.00	45.73	131	1.7	V	-51.8	1.90	10.20	-43.50	-40	3.50
Band 66 (30MHz-20GHz)										
QPSK, 1.4MHz, Low Channel										
961.1	34.89	211	1.2	H	-61.6	1.36	0.0	-62.96	-13	49.96
961.1	34.26	144	2.3	V	-59.8	1.36	0.0	-61.16	-13	48.16
3421.40	48.57	33	1.2	H	-57.4	1.30	9.90	-48.80	-13	35.80
3421.40	47.94	73	1.7	V	-57.7	1.30	9.90	-49.10	-13	36.10
5132.10	51.83	36	1.5	H	-51.3	1.50	9.60	-43.20	-13	30.20
5132.10	50.21	27	1.4	V	-52.4	1.50	9.60	-44.30	-13	31.30
QPSK, 1.4MHz, Middle Channel										
947.8	35.12	226	1.8	H	-61.4	1.36	0.0	-62.76	-13	49.76

947.8	34.60	109	1.9	V	-59.5	1.36	0.0	-60.86	-13	47.86
3490.00	48.86	5	1.8	H	-57.1	1.30	10.50	-47.90	-13	34.90
3490.00	48.61	281	2.0	V	-57.0	1.30	10.50	-47.80	-13	34.80
5235.00	52.45	51	1.4	H	-50.6	1.60	9.70	-42.50	-13	29.50
5235.00	50.64	326	1.0	V	-52.0	1.60	9.70	-43.90	-13	30.90
QPSK, 1.4MHz, High Channel										
954.4	35.26	262	1.8	H	-61.2	1.36	0.0	-62.56	-13	49.56
954.4	34.73	142	2.2	V	-59.3	1.36	0.0	-60.66	-13	47.66
3558.60	50.25	191	1.0	H	-55.4	1.30	10.90	-45.80	-13	32.80
3558.60	49.82	300	1.4	V	-55.6	1.30	10.90	-46.00	-13	33.00
5337.90	53.39	140	2.4	H	-49.5	1.60	10.00	-41.10	-13	28.10
5337.90	51.58	185	1.5	V	-51.1	1.60	10.00	-42.70	-13	29.70

Note:
Absolute Level = Reading Level + Substituted Factor
Substituted Factor contains: Substituted Level - Cable loss+ Antenna Gain
Margin = Limit -Absolute Level

FCC§ 22.917 (a); § 24.238 (a); §27.53 (a) (g) (h)(m)(n) - BAND EDGES

Applicable Standard

According to § 22.917(a), the power of any emissions 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.

According to §24.238(a), the power of any emissions 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.

According to FCC §27.53 (a), For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:
(4)For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

According to FCC §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.

According to FCC §27.53 (h), 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.

According to FCC §27.53 (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 that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5MHz.

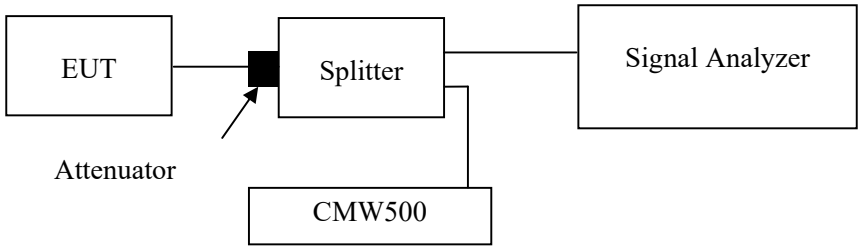
According to FCC §27.53(n)(2), For mobile operations in the 3450 – 3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed − 13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test Procedure

ANSI C63.26-2015 Section 5.7

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

Environmental Conditions

Temperature:	22~24 ℃
Relative Humidity:	62-67 %
ATM Pressure:	101.0~101.1 kPa

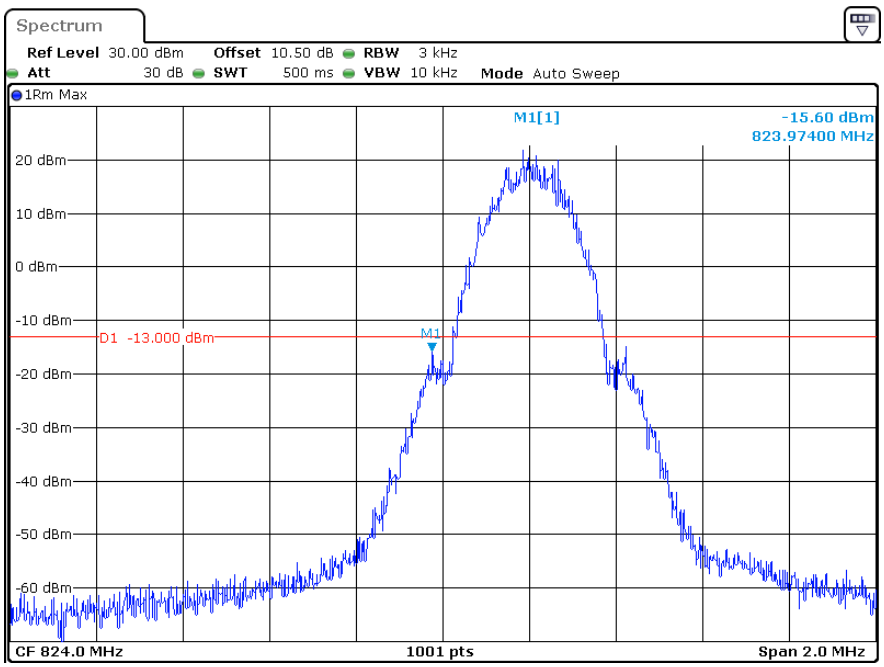
The testing was performed by Bamboo Zhan from 2024-01-22 to 2024-01-29.

EUT operation mode: Transmitting (Worst case)

Test Result: Compliant

Please refer to the following plots.

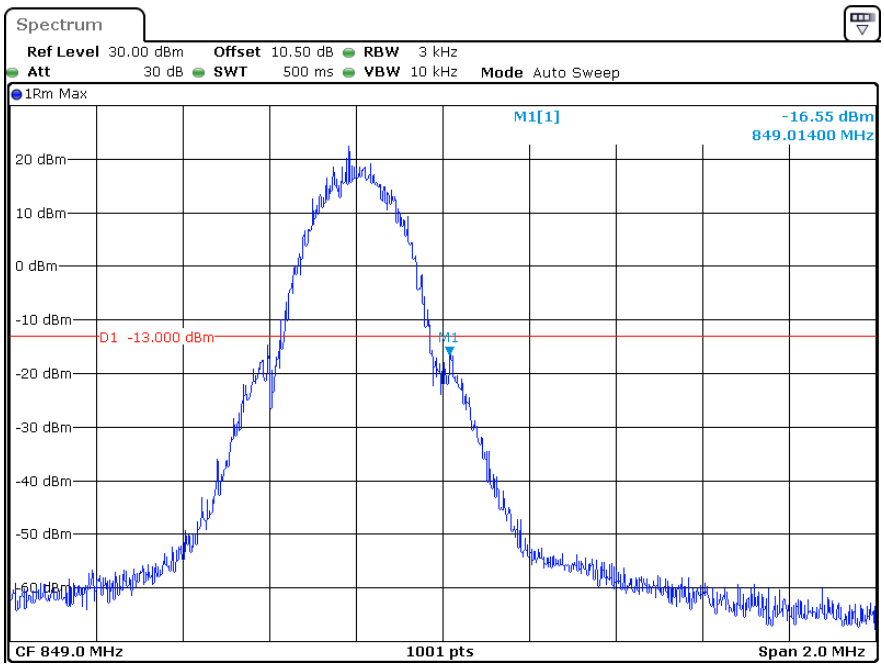
Cellular Band, Left Band Edge for GSM (GMSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:58:19

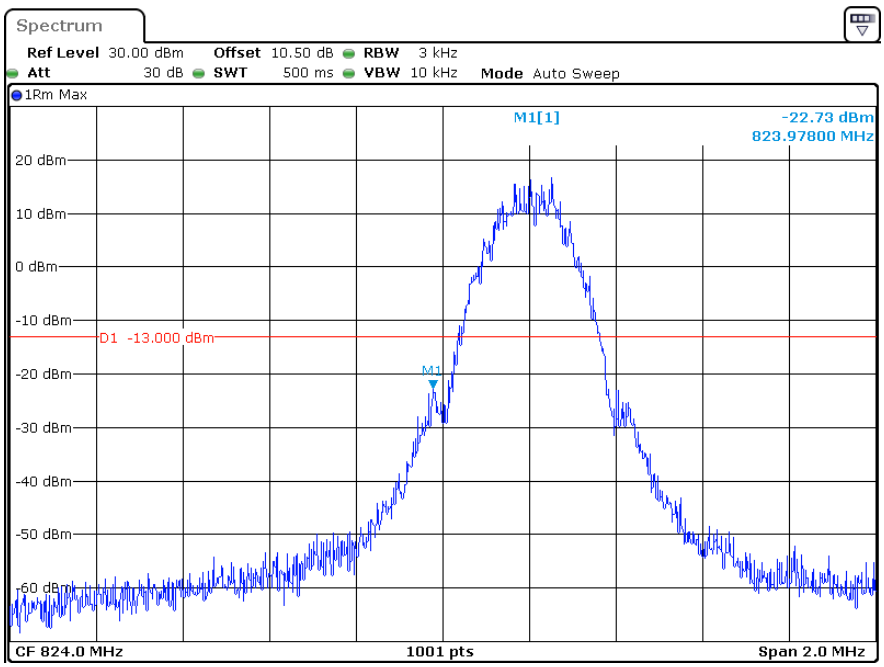
Cellular Band, Right Band Edge for GSM (GMSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:39:25

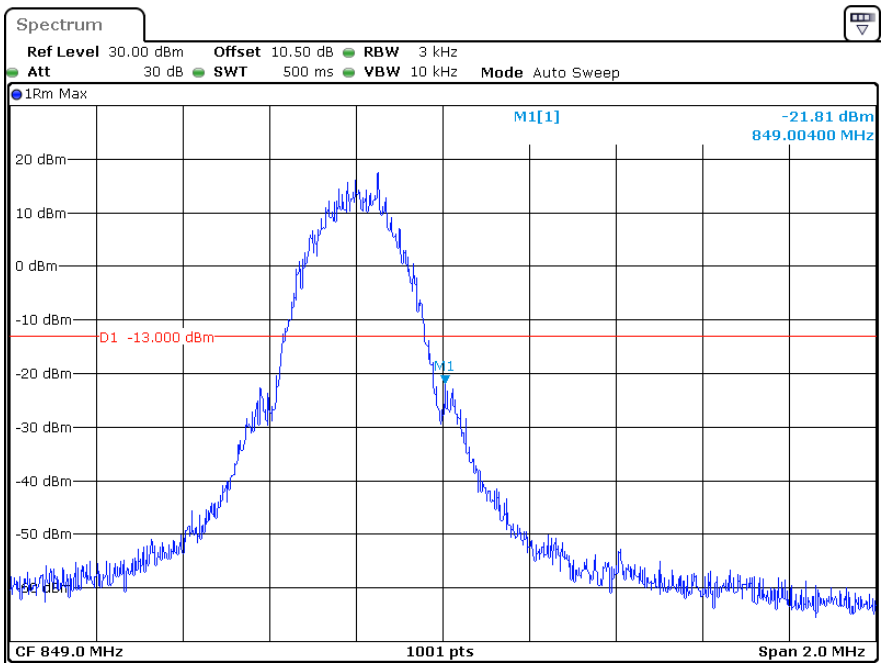
Cellular Band, Left Band Edge for EDGE(8PSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:22:14

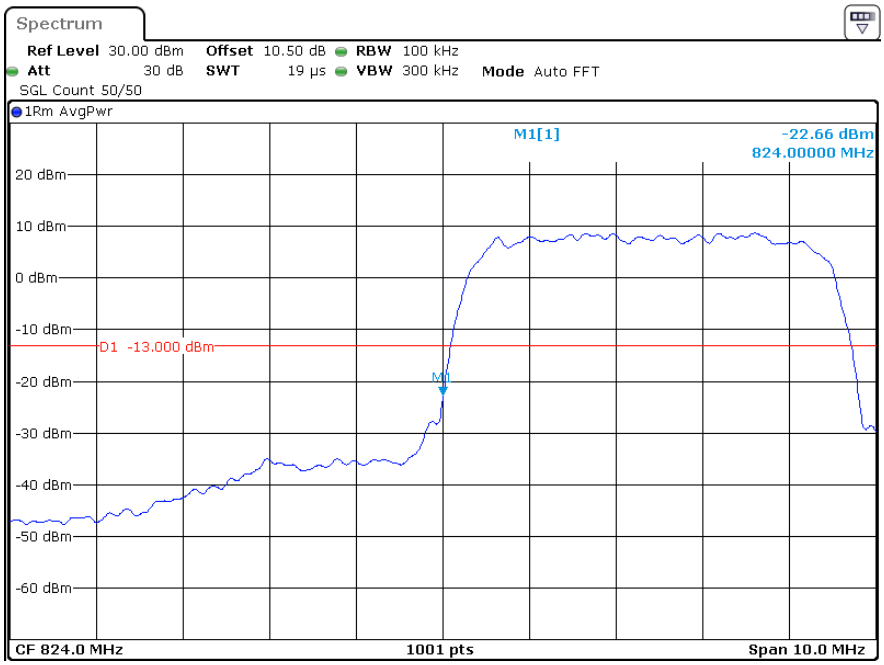
Cellular Band, Right Band Edge for EDGE(8PSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:15:42

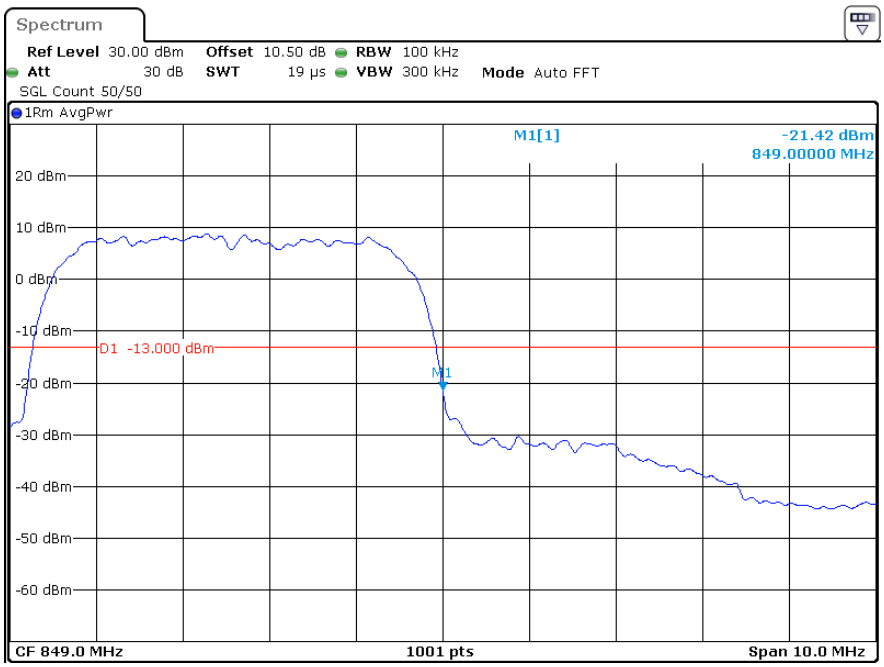
Cellular Band, Left Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:48:09

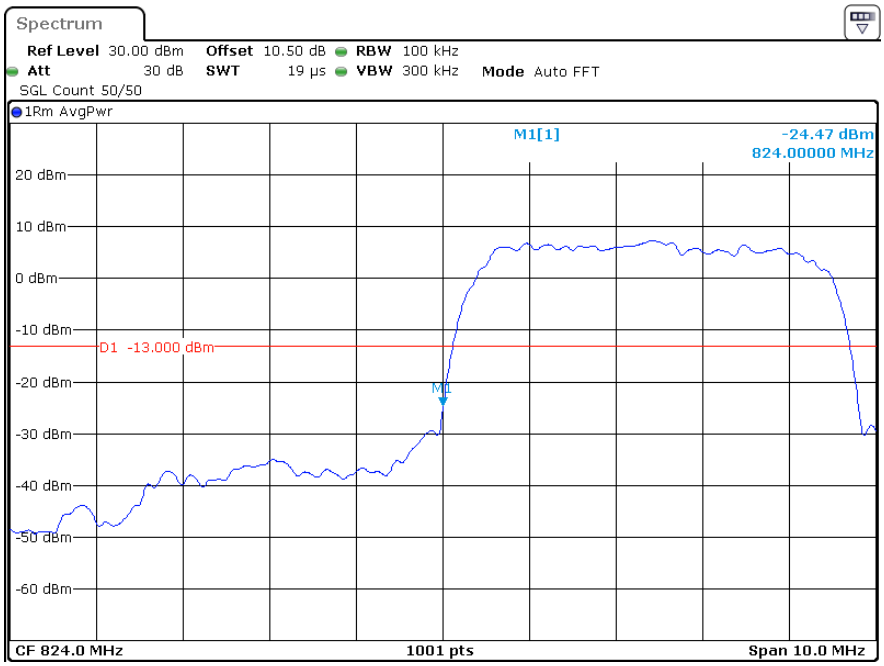
Cellular Band, Right Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:39:01

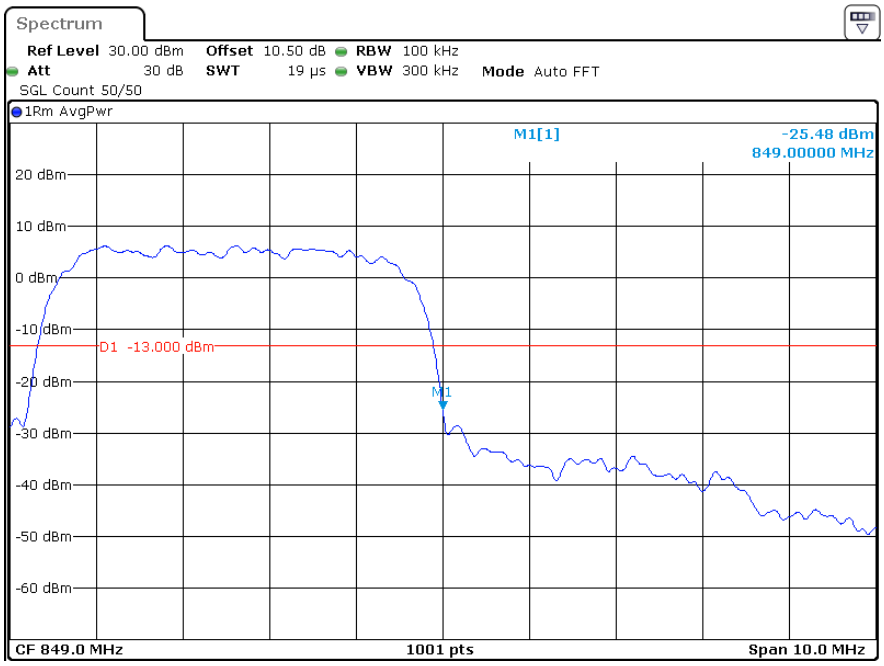
Cellular Band, Left Band Edge for HSDPA(16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 16:52:55

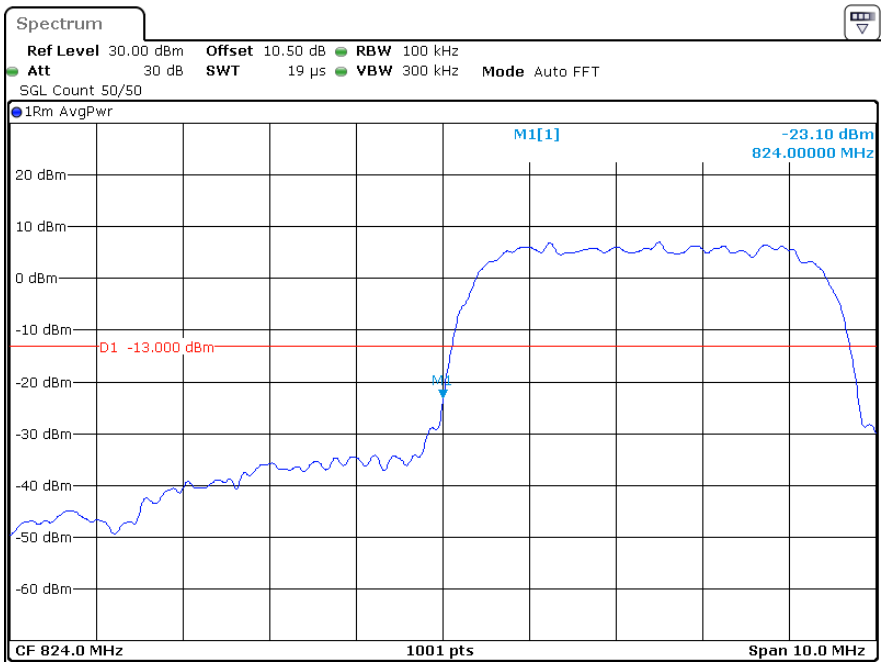
Cellular Band, Right Band Edge for HSDPA (16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:01:04

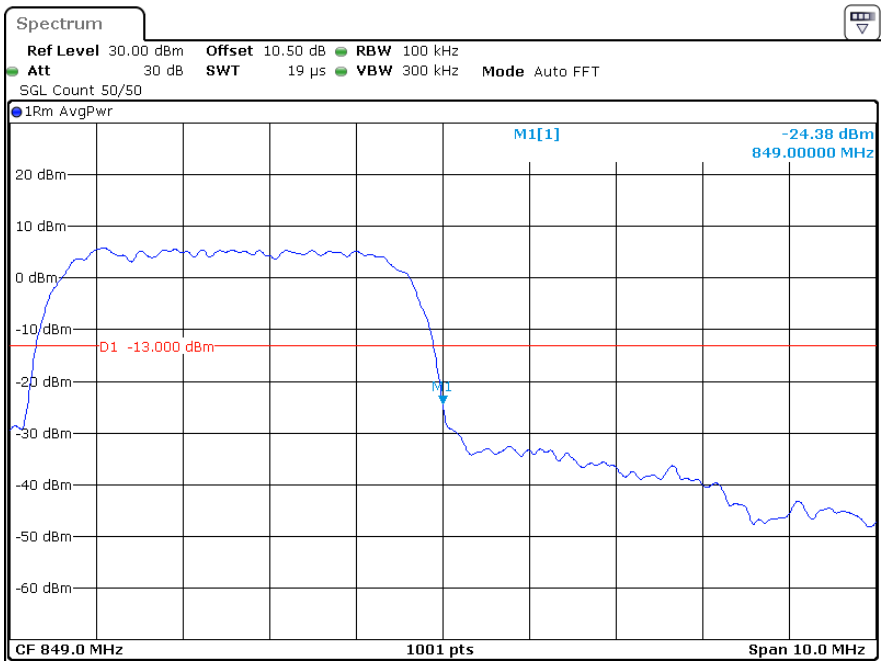
Cellular Band, Left Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:16:17

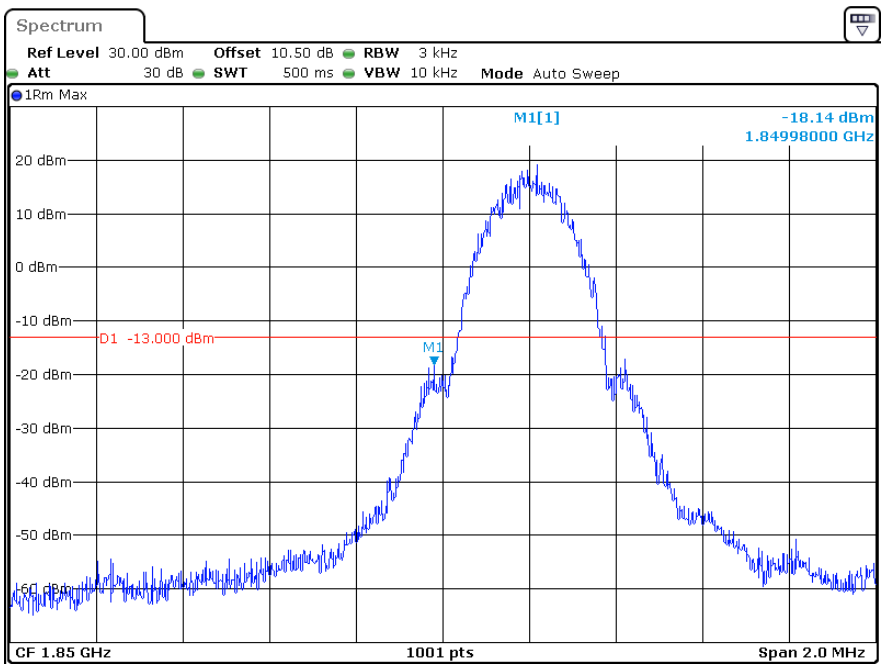
Cellular Band, Right Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 17:06:12

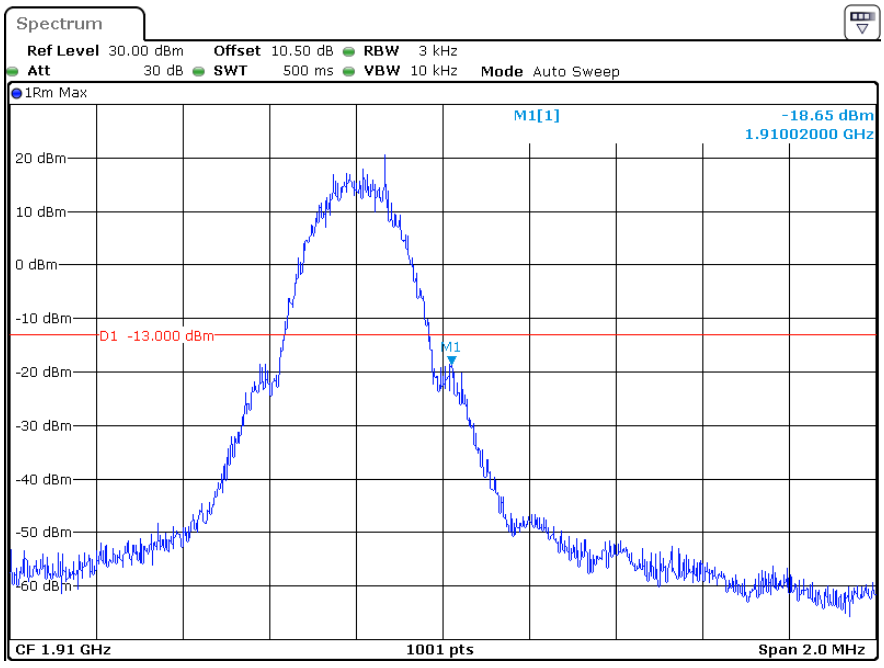
PCS Band, Left Band Edge for GSM (GMSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:59:10

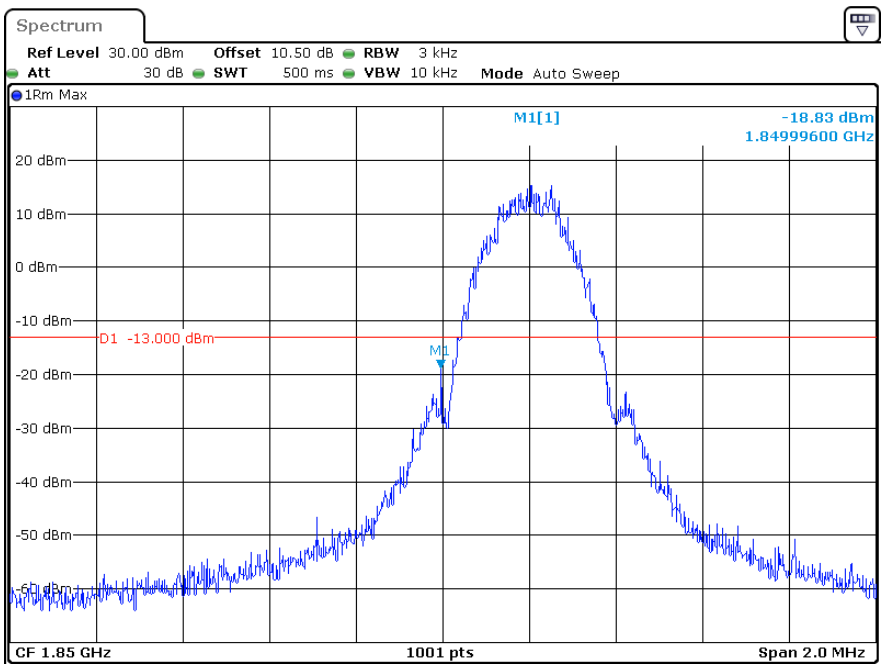
PCS Band, Right Band Edge for GSM (GMSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 14:52:02

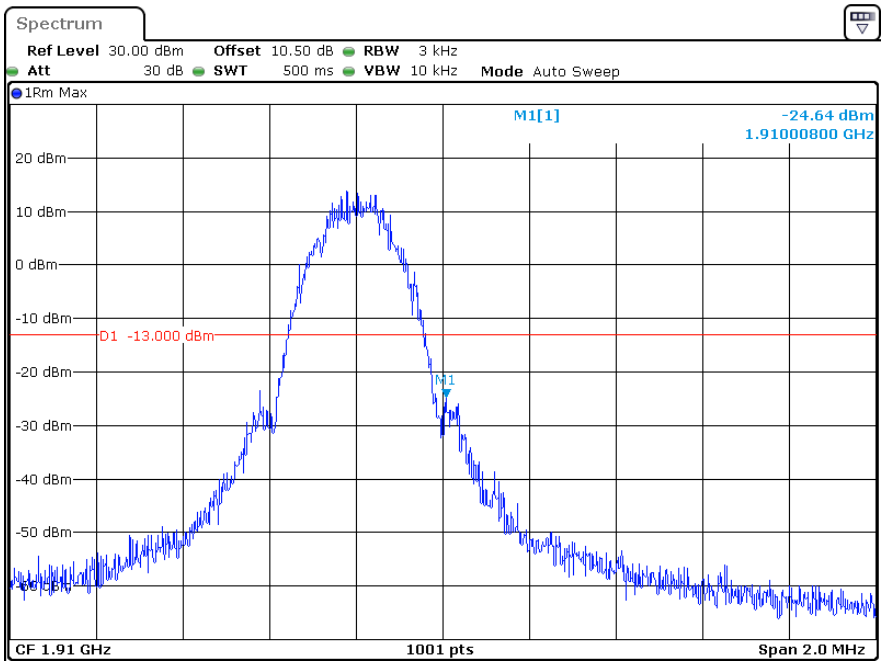
PCS Band, Left Band Edge for EDGE(8PSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:31:01

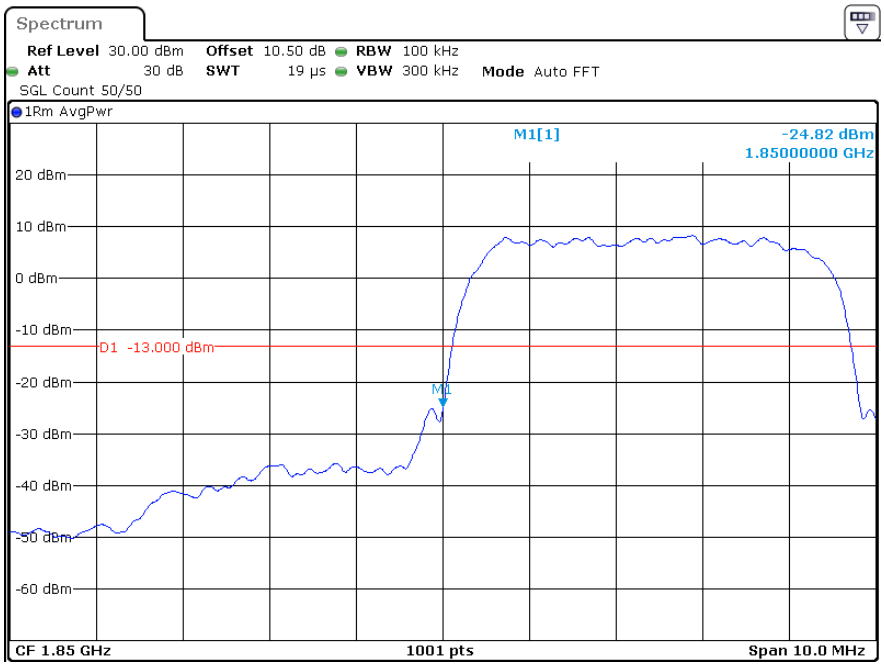
PCS Band, Right Band Edge for EDGE(8PSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 26.JAN.2024 15:23:30

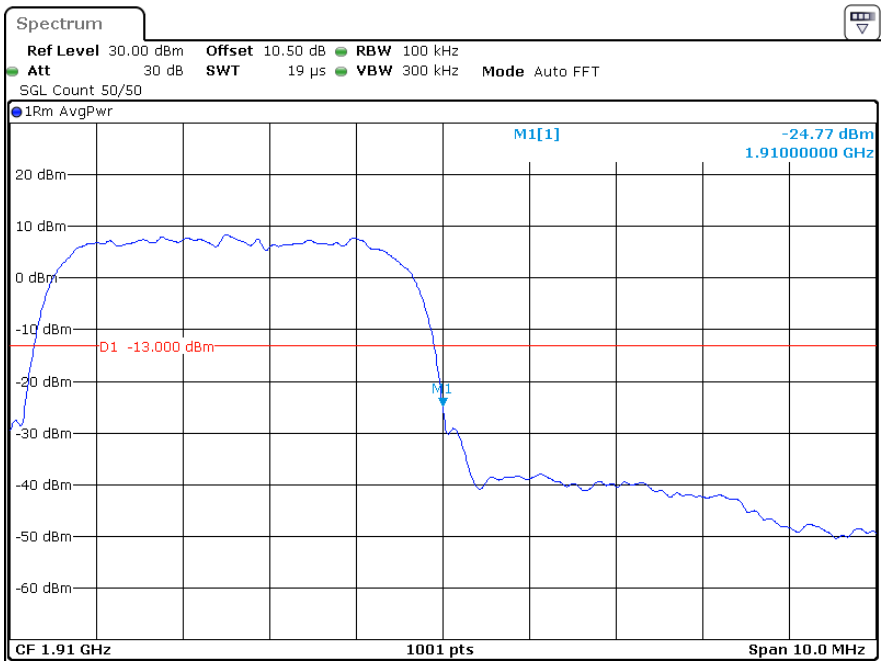
PCS Band, Left Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:53:02

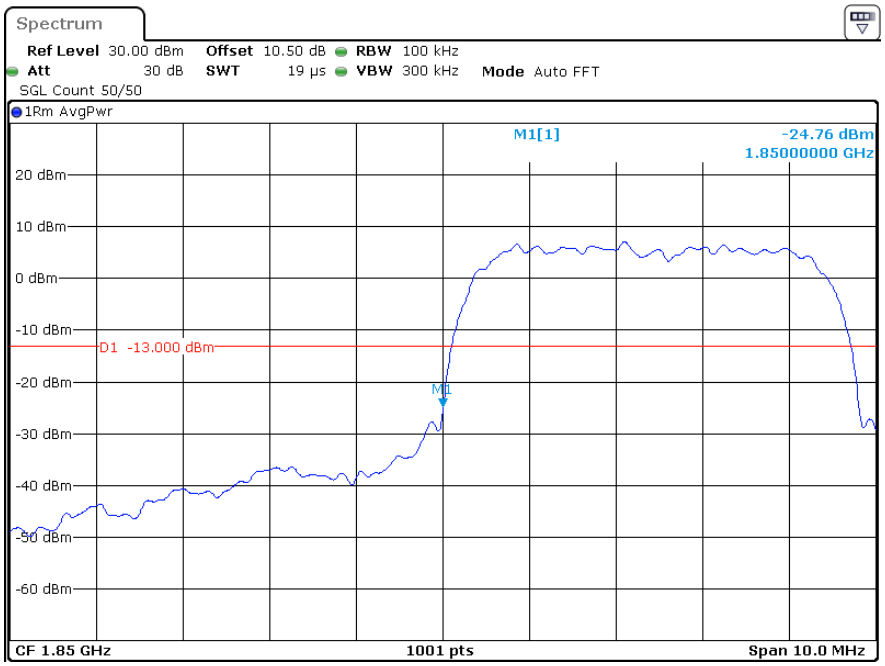
PCS Band, Right Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 08:59:47

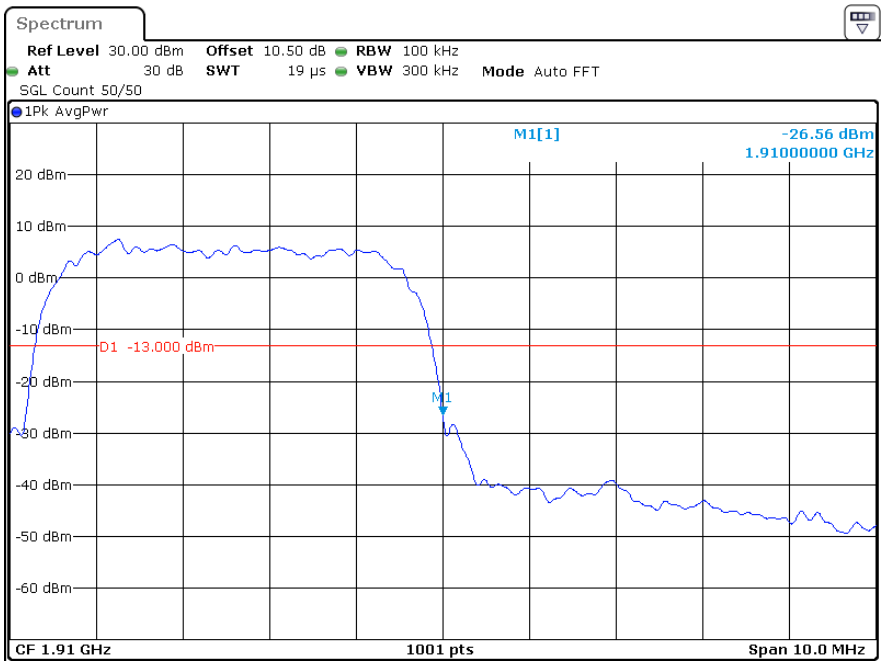
PCS Band, Left Band Edge for HSDPA(16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:34:54

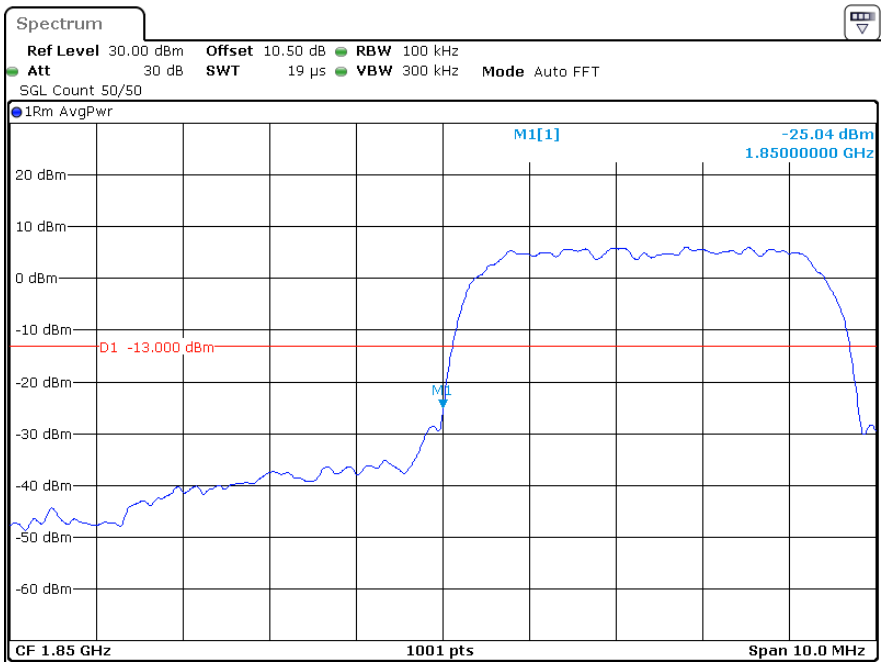
PCS Band, Right Band Edge for HSDPA (16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:18:56

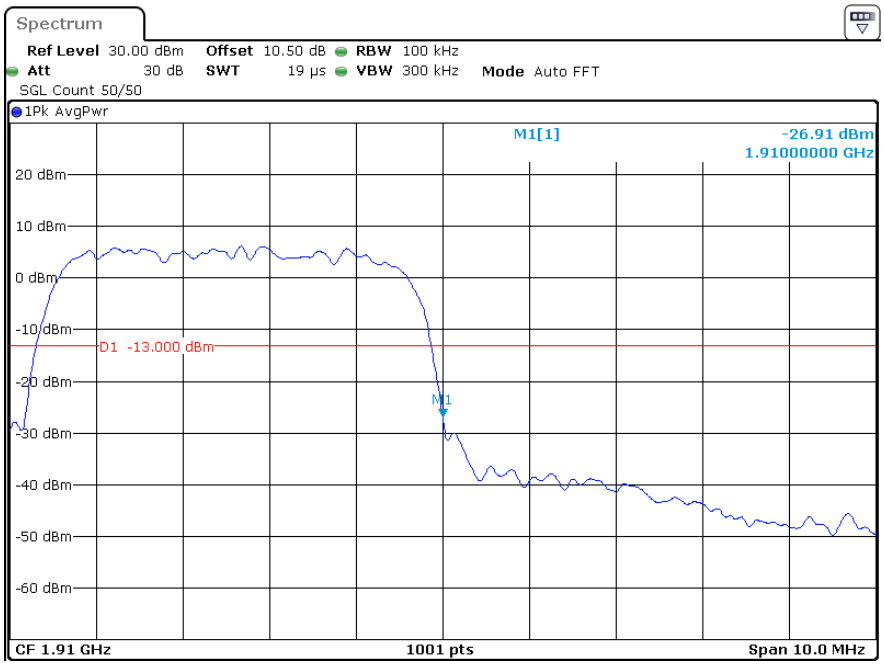
PCS Band, Left Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 09:58:08

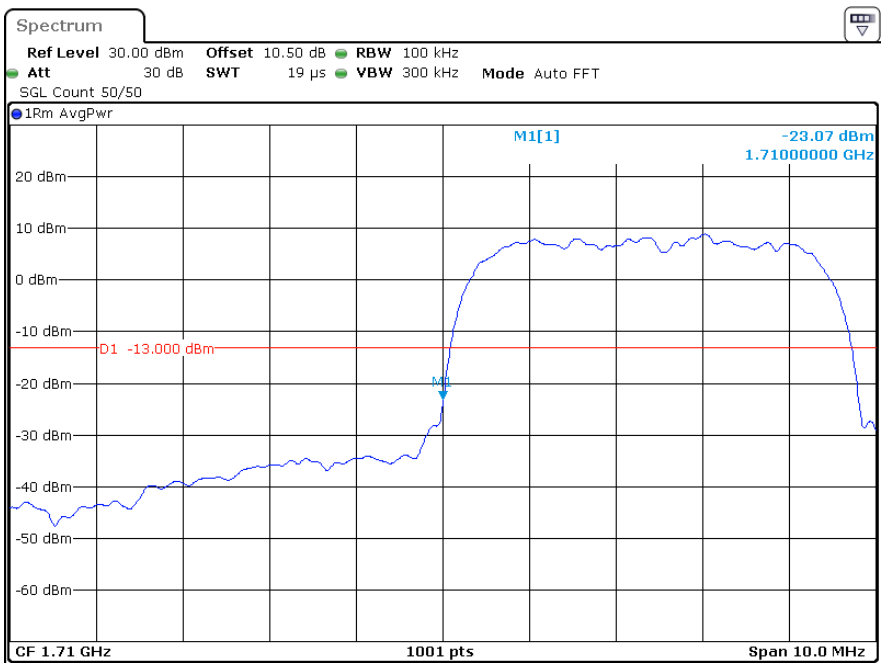
PCS Band, Right Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:05:47

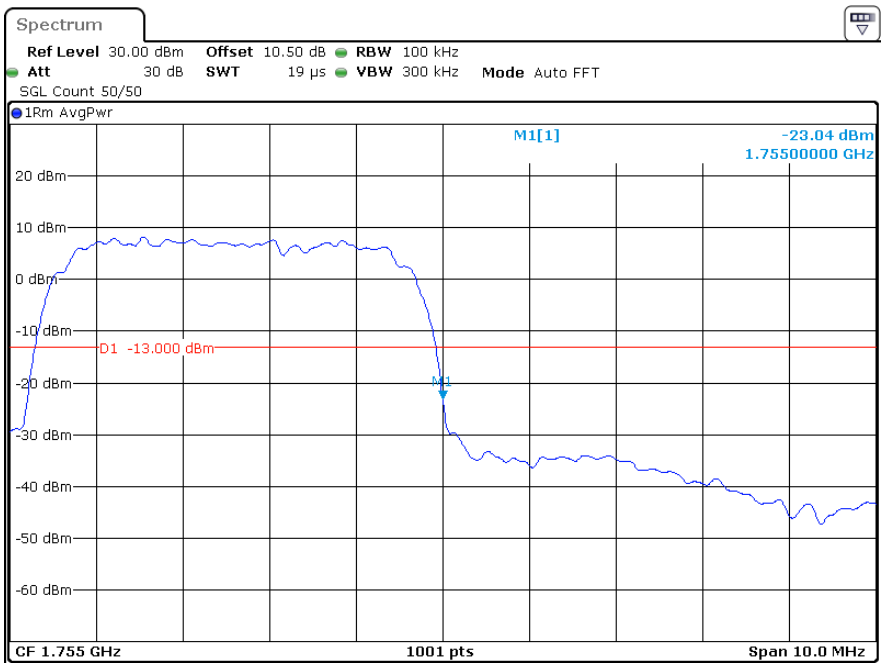
AWS Band, Left Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:10:49

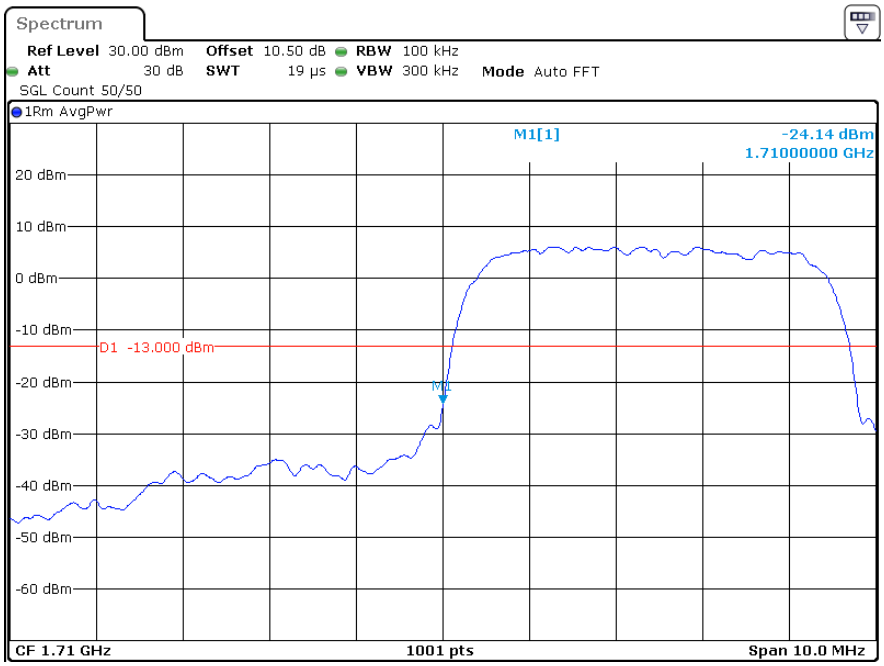
AWS Band, Right Band Edge for RMC (BPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:18:42

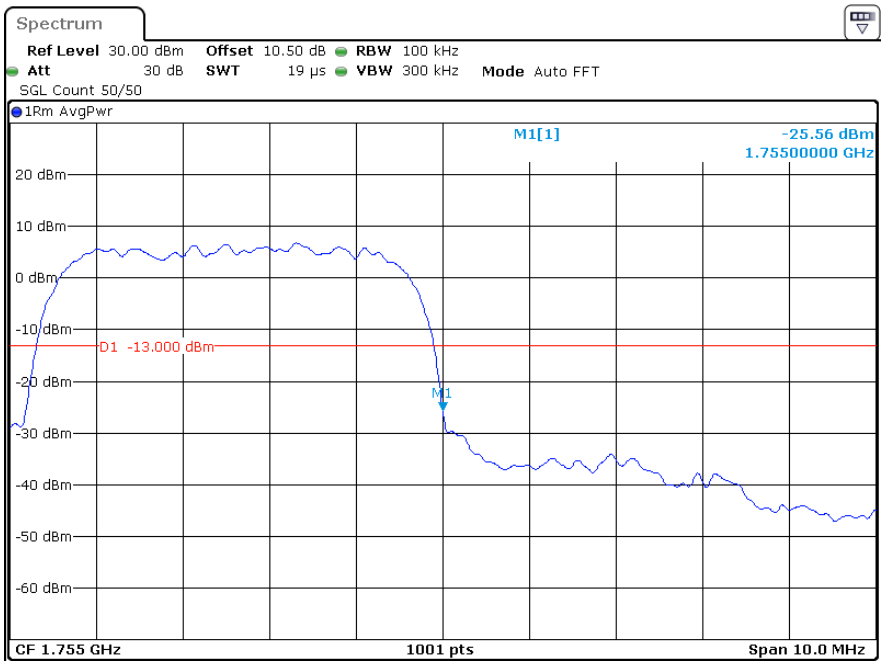
AWS Band, Left Band Edge for HSDPA(16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:36:52

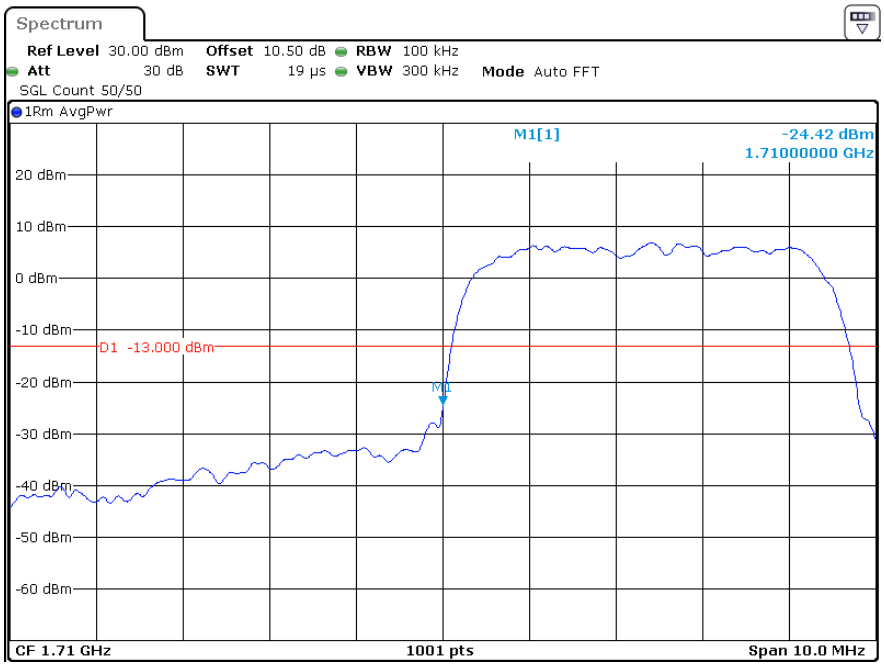
AWS Band, Right Band Edge for HSDPA (16QAM) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:29:43

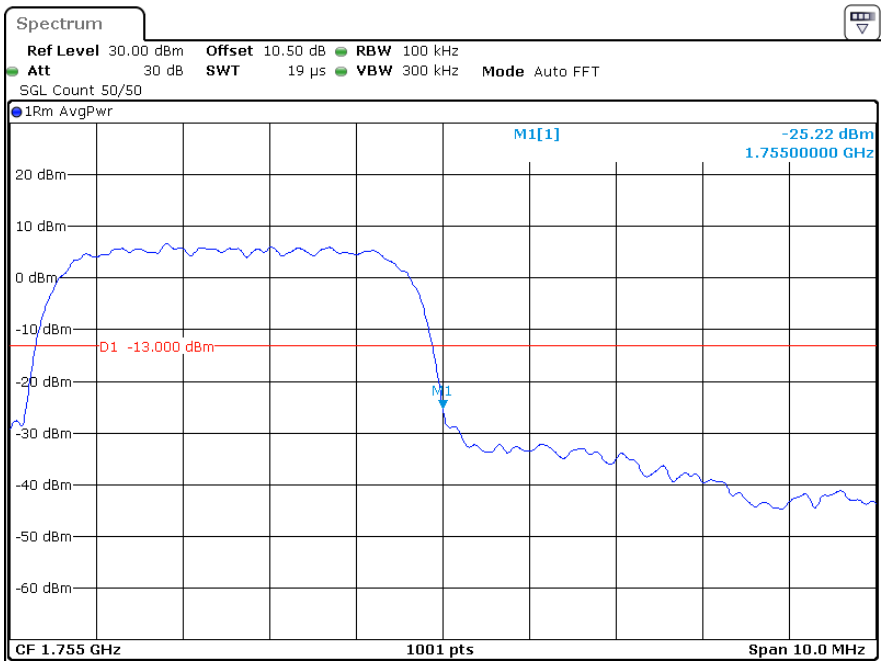
AWS Band, Left Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:42:04

AWS Band, Right Band Edge for HSUPA (QPSK) Mode



ProjectNo.:SZ1231213-75213E Tester:Bamboo Zhan

Date: 29.JAN.2024 10:48:25

The test plots of LTE bands please refer to the Appendix C1 & Appendix C2.

FCC § 2.1055; § 22.355; § 24.235; §27.54 - FREQUENCY STABILITY

Applicable Standard

FCC § 2.1055, §22.355, §24.235&§27.54.

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&§27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

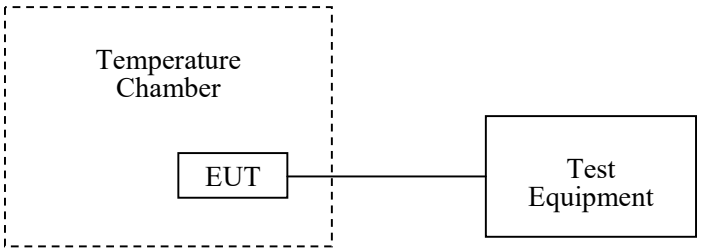
Test Procedure

ANSI C63.26-2015 Section 5.6

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

Environmental Conditions

Temperature:	22~24 ℃
Relative Humidity:	62-67 %
ATM Pressure:	101.0~101.1 kPa

The testing was performed by Bamboo Zhan from 2024-01-26 to 2024-02-02.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the following tables.

Cellular Band (Part 22H)

GSM Mode

Test Modulation:	GMSK		Test Channel	836.6	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.91	5	0.006	2.5
	-20	3.91	9	0.011	2.5
	-10	3.91	-10	-0.012	2.5
	0	3.91	8	0.010	2.5
	10	3.91	7	0.008	2.5
	20	3.91	-9	-0.011	2.5
	30	3.91	2	0.002	2.5
	40	3.91	8	0.010	2.5
	50	3.91	11	0.013	2.5
Frequency Stability vs. Voltage	20	3.52	-6	-0.007	2.5
	20	4.5	8	0.010	2.5

Test Modulation:	8PSK		Test Channel	836.6	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.91	7	0.008	2.5
	-20	3.91	18	0.022	2.5
	-10	3.91	17	0.020	2.5
	0	3.91	7	0.008	2.5
	10	3.91	11	0.013	2.5
	20	3.91	5	0.006	2.5
	30	3.91	12	0.014	2.5
	40	3.91	7	0.008	2.5
	50	3.91	18	0.022	2.5
Frequency Stability vs. Voltage	20	3.52	3	0.004	2.5
	20	4.5	5	0.006	2.5

WCDMA Mode

Test Modulation:	WCDMA R99		Test Channel:	836.6	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.91	-15	-0.018	2.5
	-20	3.91	-12	-0.014	2.5
	-10	3.91	-16	-0.019	2.5
	0	3.91	-7	-0.008	2.5
	10	3.91	-9	-0.011	2.5
	20	3.91	-2	-0.002	2.5
	30	3.91	-10	-0.012	2.5
	40	3.91	-5	-0.006	2.5
	50	3.91	-6	-0.007	2.5
Frequency Stability vs. Voltage	20	3.52	-8	-0.010	2.5
	20	4.5	-12	-0.014	2.5

PCS Band (Part 24E)

GSM Mode

Test Mode:	GMSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1850.03729	1850.00000	1909.99360	1910.00000
	-20	3.91	1850.03002	1850.00000	1909.98432	1910.00000
	-10	3.91	1850.02445	1850.00000	1909.97509	1910.00000
	0	3.91	1850.02556	1850.00000	1909.00602	1910.00000
	10	3.91	1850.02877	1850.00000	1909.93699	1910.00000
	20	3.91	1850.04422	1850.00000	1909.98404	1910.00000
	30	3.91	1850.00282	1850.00000	1909.99949	1910.00000
	40	3.91	1850.02922	1850.00000	1909.93961	1910.00000
	50	3.91	1850.05691	1850.00000	1909.97799	1910.00000
Frequency Stability vs. Voltage	20	3.52	1850.07742	1850.00000	1909.97515	1910.00000
	20	4.5	1850.02618	1850.00000	1909.91873	1910.00000

Test Mode:	8PSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1850.01871	1850.00000	1909.97214	1910.00000
	-20	3.91	1850.02489	1850.00000	1909.99681	1910.00000
	-10	3.91	1850.00726	1850.00000	1909.98325	1910.00000
	0	3.91	1850.02780	1850.00000	1909.99765	1910.00000
	10	3.91	1850.03214	1850.00000	1909.97705	1910.00000
	20	3.91	1850.02947	1850.00000	1909.99194	1910.00000
	30	3.91	1850.01720	1850.00000	1909.98658	1910.00000
	40	3.91	1850.99035	1850.00000	1909.97024	1910.00000
	50	3.91	1850.02248	1850.00000	1909.96896	1910.00000
Frequency Stability vs. Voltage	20	3.52	1850.01234	1850.00000	1909.98189	1910.00000
	20	4.5	1850.01456	1850.00000	1909.97917	1910.00000

WCDMA Mode

Test Mode:	WCDMA R99	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1850.04492	1850.00000	1909.97342	1910.00000
	-20	3.91	1850.02927	1850.00000	1909.98281	1910.00000
	-10	3.91	1850.01830	1850.00000	1909.98893	1910.00000
	0	3.91	1850.02628	1850.00000	1909.98055	1910.00000
	10	3.91	1850.03090	1850.00000	1909.95497	1910.00000
	20	3.91	1850.05725	1850.00000	1909.98182	1910.00000
	30	3.91	1850.01370	1850.00000	1909.98124	1910.00000
	40	3.91	1850.03306	1850.00000	1909.93233	1910.00000
	50	3.91	1850.04718	1850.00000	1909.97661	1910.00000
Frequency Stability vs. Voltage	20	3.52	1850.09069	1850.00000	1909.97378	1910.00000
	20	4.5	1850.01124	1850.00000	1909.92745	1910.00000

AWS Band

WCDMA B4

Test Mode:	WCDMA R99	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1710.10219	1710.00000	1754.93747	1755.00000
	-20	3.91	1710.14329	1710.00000	1754.92730	1755.00000
	-10	3.91	1710.11943	1710.00000	1754.96390	1755.00000
	0	3.91	1710.12537	1710.00000	1754.91983	1755.00000
	10	3.91	1710.13230	1710.00000	1754.98650	1755.00000
	20	3.91	1710.17705	1710.00000	1754.95055	1755.00000
	30	3.91	1710.17175	1710.00000	1754.91513	1755.00000
	40	3.91	1710.14507	1710.00000	1754.96148	1755.00000
	50	3.91	1710.12385	1710.00000	1754.90474	1755.00000
Frequency Stability vs. Voltage	20	3.52	1710.17125	1710.00000	1754.93593	1755.00000
	20	4.5	1710.14838	1710.00000	1754.94797	1755.00000

LTE

Band 2

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1850.12328	1850.00000	1909.87472	1910.00000
	-20	3.91	1850.11802	1850.00000	1909.86238	1910.00000
	-10	3.91	1850.11162	1850.00000	1909.89459	1910.00000
	0	3.91	1850.11456	1850.00000	1909.85417	1910.00000
	10	3.91	1850.13203	1850.00000	1909.86798	1910.00000
	20	3.91	1850.12221	1850.00000	1909.85815	1910.00000
	30	3.91	1850.10356	1850.00000	1909.87618	1910.00000
	40	3.91	1850.10617	1850.00000	1909.86281	1910.00000
	50	3.91	1850.12586	1850.00000	1909.86710	1910.00000
Frequency Stability vs. Voltage	20	3.52	1850.13405	1850.00000	1909.84428	1910.00000
	20	4.50	1850.09836	1850.00000	1909.86645	1910.00000
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	1850.10427	1850.00000	1909.87443	1910.00000
	-20	3.91	1850.12062	1850.00000	1909.88429	1910.00000
	-10	3.91	1850.10034	1850.00000	1909.86085	1910.00000
	0	3.91	1850.12956	1850.00000	1909.89439	1910.00000
	10	3.91	1850.10804	1850.00000	1909.88600	1910.00000
	20	3.91	1850.10629	1850.00000	1909.88147	1910.00000
	30	3.91	1850.11213	1850.00000	1909.88070	1910.00000
	40	3.91	1850.09828	1850.00000	1909.87804	1910.00000
	50	3.91	1850.10613	1850.00000	1909.87605	1910.00000
Frequency Stability vs. Voltage	20	3.52	1850.12270	1850.00000	1909.87457	1910.00000
	20	4.50	1850.09077	1850.00000	1909.86507	1910.00000

Band 4

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1710.29802	1710.00000	1754.77346	1755.00000
	-20	3.91	1710.29718	1710.00000	1754.75440	1755.00000
	-10	3.91	1710.28576	1710.00000	1754.77071	1755.00000
	0	3.91	1710.24506	1710.00000	1754.75023	1755.00000
	10	3.91	1710.28658	1710.00000	1754.73488	1755.00000
	20	3.91	1710.26553	1710.00000	1754.75872	1755.00000
	30	3.91	1710.26033	1710.00000	1754.77840	1755.00000
	40	3.91	1710.25518	1710.00000	1754.76388	1755.00000
	50	3.91	1710.24877	1710.00000	1754.76672	1755.00000
Frequency Stability vs. Voltage	20	3.52	1710.24228	1710.00000	1754.73711	1755.00000
	20	4.50	1710.25788	1710.00000	1754.74824	1755.00000
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (VDC)**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	1710.12298	1710.00000	1754.85463	1755.00000
	-20	3.91	1710.13494	1710.00000	1754.85228	1755.00000
	-10	3.91	1710.11315	1710.00000	1754.88552	1755.00000
	0	3.91	1710.11794	1710.00000	1754.87556	1755.00000
	10	3.91	1710.11959	1710.00000	1754.87334	1755.00000
	20	3.91	1710.13136	1710.00000	1754.87862	1755.00000
	30	3.91	1710.11385	1710.00000	1754.87771	1755.00000
	40	3.91	1710.10695	1710.00000	1754.87838	1755.00000
	50	3.91	1710.12873	1710.00000	1754.85873	1755.00000
Frequency Stability vs. Voltage	20	3.52	1710.11135	1710.00000	1754.88298	1755.00000
	20	4.50	1710.09881	1710.00000	1754.86331	1755.00000

Band 5

Test Modulation:	10 MHz QPSK		Test Channel:	836.5	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.91	4.75	0.006	2.5
	-20	3.91	-12.06	-0.014	2.5
	-10	3.91	6.42	0.008	2.5
	0	3.91	-7.37	-0.009	2.5
	10	3.91	-9.23	-0.011	2.5
	20	3.91	7.67	0.009	2.5
	30	3.91	13.05	0.016	2.5
	40	3.91	-10.83	-0.013	2.5
	50	3.91	8.54	0.010	2.5
Frequency Stability vs. Voltage	20	3.52	4.51	0.005	2.5
	20	4.5	7.41	0.009	2.5
Test Modulation:	**10 MHz 16QAM**		**Test Channel:**	**836.5**	**MHz**
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Frequency Error**		**Limit**
			(Hz)	**(ppm)**	**(ppm)**
Frequency Stability vs. Temperature	-30	3.91	-17.2	-0.021	2.5
	-20	3.91	5.52	0.007	2.5
	-10	3.91	6.82	0.008	2.5
	0	3.91	10.99	0.013	2.5
	10	3.91	-5.69	-0.007	2.5
	20	3.91	6.41	0.008	2.5
	30	3.91	-7.25	-0.009	2.5
	40	3.91	6.7	0.008	2.5
	50	3.91	9.64	0.012	2.5
Frequency Stability vs. Voltage	20	3.52	8.92	0.011	2.5
	20	4.5	6.6	0.008	2.5

Band 7

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	2500.79197	2500.00000	2569.93092	2570.00000
	-20	3.91	2500.83082	2500.00000	2569.94066	2570.00000
	-10	3.91	2500.90123	2500.00000	2569.90984	2570.00000
	0	3.91	2500.41376	2500.00000	2569.90824	2570.00000
	10	3.91	2500.70873	2500.00000	2569.93835	2570.00000
	20	3.91	2500.34627	2500.00000	2569.97611	2570.00000
	30	3.91	2500.25703	2500.00000	2569.94941	2570.00000
	40	3.91	2500.49671	2500.00000	2569.97979	2570.00000
	50	3.91	2500.69981	2500.00000	2569.95118	2570.00000
Frequency Stability vs. Voltage	20	3.52	2500.28009	2500.00000	2569.93782	2570.00000
	20	4.50	2500.69682	2500.00000	2569.97124	2570.00000
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2500.19180	2500.00000	2569.91687	2570.00000
	-20	3.91	2500.24219	2500.00000	2569.96029	2570.00000
	-10	3.91	2500.31251	2500.00000	2569.92007	2570.00000
	0	3.91	2500.22311	2500.00000	2569.90234	2570.00000
	10	3.91	2500.20112	2500.00000	2569.96764	2570.00000
	20	3.91	2500.30234	2500.00000	2569.97746	2570.00000
	30	3.91	2500.19201	2500.00000	2569.95173	2570.00000
	40	3.91	2500.31847	2500.00000	2569.94465	2570.00000
	50	3.91	2500.38892	2500.00000	2569.91162	2570.00000
Frequency Stability vs. Voltage	20	3.52	2500.17426	2500.00000	2569.94367	2570.00000
	20	4.50	2500.27916	2500.00000	2569.90310	2570.00000

Band 12

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	699.037	699.00	715.869	716.00
	-20	3.91	699.002	699.00	715.992	716.00
	-10	3.91	699.031	699.00	715.903	716.00
	0	3.91	699.038	699.00	715.920	716.00
	10	3.91	699.109	699.00	715.808	716.00
	20	3.91	699.066	699.00	715.946	716.00
	30	3.91	699.195	699.00	715.904	716.00
	40	3.91	699.107	699.00	715.817	716.00
	50	3.91	699.179	699.00	715.885	716.00
Frequency Stability vs. Voltage	20	3.52	699.181	699.00	715.824	716.00
	20	4.50	699.050	699.00	715.911	716.00
Test Mode:	**10M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	699.170	699.00	715.862	716.00
	-20	3.91	699.188	699.00	715.939	716.00
	-10	3.91	699.026	699.00	715.885	716.00
	0	3.91	699.008	699.00	715.808	716.00
	10	3.91	699.102	699.00	715.851	716.00
	20	3.91	699.110	699.00	715.856	716.00
	30	3.91	699.037	699.00	715.918	716.00
	40	3.91	699.089	699.00	715.963	716.00
	50	3.91	699.184	699.00	715.992	716.00
Frequency Stability vs. Voltage	20	3.52	699.014	699.00	715.936	716.00
	20	4.50	699.092	699.00	715.989	716.00

Band 17

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	704.382	704.00	715.662	716.00
	-20	3.91	704.055	704.00	715.773	716.00
	-10	3.91	704.289	704.00	715.971	716.00
	0	3.91	704.055	704.00	715.622	716.00
	10	3.91	704.083	704.00	715.744	716.00
	20	3.91	704.248	704.00	715.695	716.00
	30	3.91	704.074	704.00	715.636	716.00
	40	3.91	704.381	704.00	715.914	716.00
	50	3.91	704.394	704.00	715.736	716.00
Frequency Stability vs. Voltage	20	3.52	704.299	704.00	715.824	716.00
	20	4.50	704.029	704.00	715.826	716.00
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V^{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	704.111	704.00	715.800	716.00
	-20	3.91	704.303	704.00	715.803	716.00
	-10	3.91	704.179	704.00	715.769	716.00
	0	3.91	704.166	704.00	715.948	716.00
	10	3.91	704.160	704.00	715.799	716.00
	20	3.91	704.049	704.00	715.798	716.00
	30	3.91	704.224	704.00	715.701	716.00
	40	3.91	704.265	704.00	715.646	716.00
	50	3.91	704.073	704.00	715.991	716.00
Frequency Stability vs. Voltage	20	3.52	704.005	704.00	715.765	716.00
	20	4.50	704.333	704.00	715.664	716.00

Band 38

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	2570.22197	2570.00000	2619.91614	2620.00000
	-20	3.91	2570.49476	2570.00000	2619.96318	2620.00000
	-10	3.91	2570.55491	2570.00000	2619.94960	2620.00000
	0	3.91	2570.58803	2570.00000	2619.94264	2620.00000
	10	3.91	2570.19110	2570.00000	2619.91930	2620.00000
	20	3.91	2570.43673	2570.00000	2619.95444	2620.00000
	30	3.91	2570.30195	2570.00000	2619.98268	2620.00000
	40	3.91	2570.12384	2570.00000	2619.92157	2620.00000
	50	3.91	2570.27703	2570.00000	2619.96352	2620.00000
Frequency Stability vs. Voltage	20	3.52	2570.39306	2570.00000	2619.95237	2620.00000
	20	4.50	2570.17017	2570.00000	2619.96864	2620.00000
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2570.10669	2570.00000	2619.97166	2620.00000
	-20	3.91	2570.11347	2570.00000	2619.95125	2620.00000
	-10	3.91	2570.14582	2570.00000	2619.94867	2620.00000
	0	3.91	2570.39944	2570.00000	2619.89946	2620.00000
	10	3.91	2570.31354	2570.00000	2619.94371	2620.00000
	20	3.91	2570.22652	2570.00000	2619.93226	2620.00000
	30	3.91	2570.12107	2570.00000	2619.95996	2620.00000
	40	3.91	2570.11932	2570.00000	2619.94171	2620.00000
	50	3.91	2570.17516	2570.00000	2619.98300	2620.00000
Frequency Stability vs. Voltage	20	3.52	2570.17698	2570.00000	2619.94350	2620.00000
	20	4.50	2570.18037	2570.00000	2619.91213	2620.00000

Band 40

LTE Band 40 Lower:						
Test Mode:	**10M QPSK**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2305.13353	2305.00000	2314.81767	2315.00000
	-20	3.91	2305.62192	2305.00000	2314.47904	2315.00000
	-10	3.91	2305.46185	2305.00000	2314.54821	2315.00000
	0	3.91	2305.24380	2305.00000	2314.09522	2315.00000
	10	3.91	2305.49339	2305.00000	2314.18188	2315.00000
	20	3.91	2305.39627	2305.00000	2314.32611	2315.00000
	30	3.91	2305.16558	2305.00000	2314.15059	2315.00000
	40	3.91	2305.47732	2305.00000	2314.42176	2315.00000
	50	3.91	2305.71166	2305.00000	2314.01450	2315.00000
Frequency Stability vs. Voltage	20	3.52	2305.66213	2305.00000	2314.10141	2315.00000
	20	4.50	2305.18968	2305.00000	2314.29791	2315.00000
Test Mode:	**10M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2305.95694	2305.00000	2314.24055	2315.00000
	-20	3.91	2305.95381	2305.00000	2314.60382	2315.00000
	-10	3.91	2305.87673	2305.00000	2314.77416	2315.00000
	0	3.91	2305.03922	2305.00000	2314.88595	2315.00000
	10	3.91	2305.77010	2305.00000	2314.67968	2315.00000
	20	3.91	2305.66854	2305.00000	2314.21119	2315.00000
	30	3.91	2305.36415	2305.00000	2314.37838	2315.00000
	40	3.91	2305.79825	2305.00000	2314.02604	2315.00000
	50	3.91	2305.13205	2305.00000	2314.94209	2315.00000
Frequency Stability vs. Voltage	20	3.52	2305.97476	2305.00000	2314.05859	2315.00000
	20	4.50	2305.85956	2305.00000	2314.84075	2315.00000

LTE Band 40 Upper:						
Test Mode:	**10M QPSK**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2350.22027	2350.00000	2359.13488	2360.00000
	-20	3.91	2350.98001	2350.00000	2359.06914	2360.00000
	-10	3.91	2350.73631	2350.00000	2359.48778	2360.00000
	0	3.91	2350.82117	2350.00000	2359.43433	2360.00000
	10	3.91	2350.91763	2350.00000	2359.63114	2360.00000
	20	3.91	2350.99052	2350.00000	2359.68526	2360.00000
	30	3.91	2350.00680	2350.00000	2359.90277	2360.00000
	40	3.91	2350.92297	2350.00000	2359.46832	2360.00000
	50	3.91	2350.11711	2350.00000	2359.90676	2360.00000
Frequency Stability vs. Voltage	20	3.52	2350.94701	2350.00000	2359.73813	2360.00000
	20	4.50	2350.44312	2350.00000	2359.16364	2360.00000
Test Mode:	**10M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2350.46235	2350.00000	2359.84821	2360.00000
	-20	3.91	2350.09335	2350.00000	2359.88831	2360.00000
	-10	3.91	2350.96934	2350.00000	2359.73989	2360.00000
	0	3.91	2350.70787	2350.00000	2359.83661	2360.00000
	10	3.91	2350.40612	2350.00000	2359.77561	2360.00000
	20	3.91	2350.91423	2350.00000	2359.88709	2360.00000
	30	3.91	2350.56707	2350.00000	2359.44370	2360.00000
	40	3.91	2350.90861	2350.00000	2359.80891	2360.00000
	50	3.91	2350.67089	2350.00000	2359.31437	2360.00000
Frequency Stability vs. Voltage	20	3.52	2350.91909	2350.00000	2359.74001	2360.00000
	20	4.50	2350.78619	2350.00000	2359.83799	2360.00000

Band 41

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	2496.08832	2496.00	2689.83842	2690
	-20	3.91	2496.00728	2496.00	2689.86984	2690
	-10	3.91	2496.04756	2496.00	2689.92948	2690
	0	3.91	2496.09082	2496.00	2689.82754	2690
	10	3.91	2496.35562	2496.00	2689.98432	2690
	20	3.91	2496.18478	2496.00	2689.96490	2690
	30	3.91	2496.21200	2496.00	2689.71512	2690
	40	3.91	2496.09650	2496.00	2689.76670	2690
	50	3.91	2496.06686	2496.00	2689.81708	2690
Frequency Stability vs. Voltage	20	3.52	2496.17068	2496.00	2689.83210	2690
	20	4.50	2496.29218	2496.00	2689.65308	2690
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	2496.22574	2496.00	2689.81216	2690
	-20	3.91	2496.35348	2496.00	2689.76990	2690
	-10	3.91	2496.32958	2496.00	2689.60070	2690
	0	3.91	2496.31302	2496.00	2689.79882	2690
	10	3.91	2496.34874	2496.00	2689.99336	2690
	20	3.91	2496.12880	2496.00	2689.63142	2690
	30	3.91	2496.17792	2496.00	2689.74114	2690
	40	3.91	2496.18628	2496.00	2689.88786	2690
	50	3.91	2496.39128	2496.00	2689.81874	2690
Frequency Stability vs. Voltage	20	3.52	2496.08688	2496.00	2689.63882	2690
	20	4.50	2496.16760	2496.00	2689.71842	2690

Band 42

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	3450.05364	3450.00000	3549.95694	3550.00000
	-20	3.91	3450.07447	3450.00000	3549.96071	3550.00000
	-10	3.91	3450.03492	3450.00000	3549.99074	3550.00000
	0	3.91	3450.03860	3450.00000	3549.00002	3550.00000
	10	3.91	3450.05410	3450.00000	3549.98659	3550.00000
	20	3.91	3450.00677	3450.00000	3549.96151	3550.00000
	30	3.91	3450.07952	3450.00000	3549.97575	3550.00000
	40	3.91	3450.02199	3450.00000	3549.93167	3550.00000
	50	3.91	3450.04691	3450.00000	3549.94303	3550.00000
Frequency Stability vs. Voltage	20	3.52	3450.08919	3450.00000	3549.89834	3550.00000
	20	4.5	3450.03571	3450.00000	3549.95958	3550.00000
Test Mode:	**20M 16QAM**	**Test Channel: Lowest for Lower Edge,Highest for Upper Edge**				
Test Item	**Temperature (℃)**	**Voltage (V_{DC})**	**Lower Edge (MHz)**		**Upper Edge (MHz)**	
			Result	**Limit**	**Result**	**Limit**
Frequency Stability vs. Temperature	-30	3.91	3450.00930	3450.00000	3549.80008	3550.00000
	-20	3.91	3450.04992	3450.00000	3549.93829	3550.00000
	-10	3.91	3450.05956	3450.00000	3549.98113	3550.00000
	0	3.91	3450.06965	3450.00000	3549.80376	3550.00000
	10	3.91	3450.03272	3450.00000	3549.97505	3550.00000
	20	3.91	3450.01065	3450.00000	3549.94644	3550.00000
	30	3.91	3450.05141	3450.00000	3549.83965	3550.00000
	40	3.91	3450.04999	3450.00000	3549.82418	3550.00000
	50	3.91	3450.05249	3450.00000	3549.89476	3550.00000
Frequency Stability vs. Voltage	20	3.52	3450.08446	3450.00000	3549.93308	3550.00000
	20	4.5	3450.07000	3450.00000	3549.89509	3550.00000

Band 66

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1710.03092	1710.00	1779.91630	1780
	-20	3.91	1710.38046	1710.00	1779.99114	1780
	-10	3.91	1710.07394	1710.00	1779.99494	1780
	0	3.91	1710.35024	1710.00	1779.91804	1780
	10	3.91	1710.35834	1710.00	1779.88478	1780
	20	3.91	1710.37940	1710.00	1779.72948	1780
	30	3.91	1710.00096	1710.00	1779.71624	1780
	40	3.91	1710.03572	1710.00	1779.83968	1780
	50	3.91	1710.23320	1710.00	1779.64866	1780
Frequency Stability vs. Voltage	20	3.52	1710.21798	1710.00	1779.71230	1780
	20	4.50	1710.00108	1710.00	1779.88116	1780
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1710.13412	1710.00	1779.89342	1780
	-20	3.91	1710.21396	1710.00	1779.72550	1780
	-10	3.91	1710.33622	1710.00	1779.87004	1780
	0	3.91	1710.24890	1710.00	1779.76128	1780
	10	3.91	1710.22942	1710.00	1779.92802	1780
	20	3.91	1710.26088	1710.00	1779.66934	1780
	30	3.91	1710.23998	1710.00	1779.69108	1780
	40	3.91	1710.27612	1710.00	1779.73376	1780
	50	3.91	1710.29490	1710.00	1779.80846	1780
Frequency Stability vs. Voltage	20	3.52	1710.19812	1710.00	1779.67732	1780
	20	4.50	1710.13988	1710.00	1779.78222	1780

EUT PHOTOGRAPHS

Please refer to the attachment SZ1231213-75213E-RF External photo and SZ1231213-75213E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment SZ1231213-75213E-RF Test Setup photo.

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