



TEST REPORT

FCC ID: 2AJMN-A669L

Product: Mobile Phone

Model No.: A669L

Trade Mark: itel

Report No.: WSCT-A2LA-R&E240300016A-RF

Issued Date: 17 April 2024

Issued for:

ITEL MOBILE LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI
STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
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1. GENERAL INFORMATION

Product: Mobile Phone

Model No.: A669L

Additional Model: itel

Applicant: ITEL MOBILE LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Manufacturer: ITEL MOBILE LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Date of receipt: 20 March 2024

Date of Test: 21 March 2024 to 17 April 2024

Applicable Standards: FCC CFR Title 47 Part 2, 22, 24, 27, 90
ANSI C63.26-2015

The above equipment has been tested by World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. And found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Wang Xiang

(Wang Xiang)

Checked By:

Lin Shuiquan

(Qin Shuiquan)

Approved By:

Liu Fuxin

(Liu Fuxin)

Date:

17 April 2024





2. GENERAL DESCRIPTION OF EUT

Equipment Type:	Mobile Phone
Model	A669L
Trade Mark	itel
Software version:	A669L-SQ375ABDE-UGo-OP-240327V114DevT
Hardware version:	V1.1
Operating Bands	GSM/GPRS/EGPRS 850/1900 MHz WCDMA/HSDPA/HSUPA Band 2/4/5 FDD LTE Band 2/4/5/7/12/17/26/66 TDD LTE Band 40/41(&38)
Antenna Type:	Internal Antenna
Antenna gain:	GSM 850/WCDMA B5/LTE B5/26: -4.42dbi PCS 1900/WCDMA B2/LTE B2: -2.69dbi WCDMA B4/LTE B4/B66: -2.97dbi LTE B7: -1.18dbi; LTE B40: -2.78dbi ;LTE B41(&38): -2.17dbi LTE B12/B17: -5.53dbi
Operation Frequency Range:	GSM850: 824-849MHz (TX), 869-894MHz (RX); PCS1900: 1850-1910MHz (TX), 1930-1990MHz (RX); WCDMA Band2: 1850-1910MHz (TX), 1930-1990MHz (RX); WCDMA Band4: 1710-1755MHz (TX), 2110-2155MHz (RX); WCDMA Band5: 824-849MHz (TX), 869-894MHz (RX); LTE Band2: 1850-1910MHz (TX), 1930-1990MHz (RX); LTE Band4: 1710-1755MHz (TX), 2110-2155MHz (RX); LTE Band5: 824-849MHz (TX), 869-894MHz (RX); LTE Band7: 2500-2570MHz (TX), 2620-2690MHz (RX); LTE Band12: 699-716MHz (TX), 729-746MHz (RX); LTE Band17: 704-716MHz (TX), 734-746MHz (RX); LTE Band26: 814~824MHz(TX), 859~869MHz(RX); LTE Band26: 824~849MHz(TX), 869~894MHz(RX); LTE Band38: 2570-2620MHz(TX), 2570-2620MHz(RX); LTE Band40: 2305-2315 MHz(TX), 2305-2315 MHz(RX); LTE Band40: 2350-2360 MHz(TX), 2350-2360 MHz(RX); LTE Band41: 2535-2655 MHz(TX), 2535-2655 MHz(RX); LTE Band66:1710-1780 MHz(TX), 2110-2200 MHz(RX);
Modulation Type	GSM/GPRS: GMSK EGPRS: 8PSK WCDMA: QPSK HSDPA/HSUPA: QPSK /16QAM LTE: QPSK/16QAM
Operating Voltage:	Adapter: U100ISB Input: 100-240V~50/60Hz 0.3A Output: 5.0V~2.0A 15.0W Rechargeable Li-ion Polymer Battery Model: BL-38CI Rated Voltage: 3.85V Rated Capacity: 3850mAh/14.82Wh Typical Capacity: 4000mAh/15.40Wh Limited Charge Voltage: 4.4V
Max power:	See Table 2.1



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Remark:

N/A.

Note: 1. The EUT is a Mobile Phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE and both SIM card slots share the same transceiver, so only SIM1 is tested in this report.

2. #: The antenna gain provided by the applicant, and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.

3. N/A stands for no applicable.

4. Antenna gain provided by the customer.



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Table 2.1 The Basic Technical Specification for Working Band(S).

Operation Band (s)	Power Class	Modulation Type	Conducted Output AV Power (dBm)	ERP/EIRP (dBm)
GSM 850	Class 4	GMSK	32.68	26.11
PCS 1900	Class 1	GMSK	29.79	27.10
WCDMA Band 2	Class 3	QPSK	23.00	20.31
WCDMA Band 4	Class 3	QPSK	22.60	19.63
WCDMA Band 5	Class 3	QPSK	22.74	16.17
E-UTRA Band 2	Class 3	QPSK	23.23	20.54
E-UTRA Band 2	Class 3	16QAM	23.95	21.26
E-UTRA Band 4	Class 3	QPSK	23.06	20.09
E-UTRA Band 4	Class 3	16QAM	23.31	20.34
E-UTRA Band 5	Class 3	QPSK	23.29	16.72
E-UTRA Band 5	Class 3	16QAM	23.79	17.22
E-UTRA Band 7	Class 3	QPSK	22.26	21.08
E-UTRA Band 7	Class 3	16QAM	22.99	21.81
E-UTRA Band 12	Class 3	QPSK	23.44	15.76
E-UTRA Band 12	Class 3	16QAM	23.84	16.16
E-UTRA Band 17	Class 3	QPSK	23.22	15.54
E-UTRA Band 17	Class 3	16QAM	23.76	16.08
E-UTRA Band 26 (814-824MHz)	Class 3	QPSK	21.95	15.38
	Class 3	16QAM	22.31	15.74
E-UTRA Band 26 (824-849MHz)	Class 3	QPSK	21.98	15.41
	Class 3	16QAM	22.35	15.78
E-UTRA Band 40 (2305-2315MHz)	Class 3	QPSK	22.13	19.35
	Class 3	16QAM	21.94	19.16
E-UTRA Band 40 (2350-2360MHz)	Class 3	QPSK	21.84	19.06
	Class 3	16QAM	21.83	19.05
E-UTRA Band 41(38)	Class 3	QPSK	22.38	20.21
E-UTRA Band 41(38)	Class 3	16QAM	22.16	19.99
E-UTRA Band 66	Class 3	QPSK	23.23	20.26
E-UTRA Band 66	Class 3	16QAM	23.62	20.65



3. FACILITIES AND ACCREDITATIONS

3.1. Facilities

All measurement facilities used to collect the measurement data are located at **Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group(Shenzhen) CO., LTD**

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

3.2. ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

A2LA - Certificate Number: 5768.01

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number: 5768.01

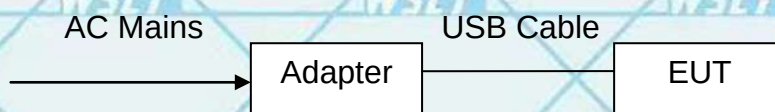




3.3. EUT System Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

Fig. 3.2-1 Configuration of EUT System



(EUT: Mobile Phone)

Table 3.2-1 Equipment Used in EUT System

Item	Equipment	Model No.	ID or Specification	Note
1	Mobile Phone	A669L		EUT

***Note: All the accessories have been used during the test. The following “EUT” in setup diagram means EUT system.



3.4. Description Of Test Channels And Test Modes

Test channels:

Test Mode	UL Channel	UL Channel No.	UL Frequency (MHz)
GSM/GPRS/EGPRS 850	Low Channel	128	824.2
	Middle Channel	190	836.6
	High Channel	251	848.8
GSM/GPRS/EGPRS 1900	Low Channel	512	1850.2
	Middle Channel	661	1880.0
	High Channel	810	1909.8
WCDMA Band 2	Low Channel	9262	1852.4
	Middle Channel	9400	1880.0
	High Channel	9538	1907.6
WCDMA Band 4	Low Channel	1312	1712.4
	Middle Channel	1412	1732.6
	High Channel	1513	1752.6
WCDMA Band 5	Low Channel	4132	826.4
	Middle Channel	4182	836.4
	High Channel	4233	846.6

LTE Band2			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	18607	1850.7
	3	18615	1851.5
	5	18625	1852.5
	10	18650	1855
	15	18675	1857.5
	20	18700	1860
Mid Range	1.4/3/5/10/15/20	18900	1880
High Range	1.4	19193	1909.4
	3	19185	1908.5
	5	19175	1907.5
	10	19150	1905
	15	19125	1902.5
	20	19100	1900



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LTE Band4			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	19957	1710.7
	3	19965	1711.5
	5	19975	1712.5
	10	20000	1715
	15	20025	1717.5
	20	20050	1720
Mid Range	1.4/3/5/10/15/20	20175	1732.5
High Range	1.4	20393	1754.3
	3	20385	1753.5
	5	20375	1752.5
	10	20350	1750
	15	20325	1747.5
	20	20300	1745

LTE Band 5			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	20407	824.7
	3	20415	825.5
	5	20425	826.5
	10	20450	829
Mid Range	1.4/3/5/10	20525	836.5
High Range	1.4	20643	848.3
	3	20635	847.5
	5	20625	846.5
	10	20600	844





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LTE Band 7			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	20775	2502.5
	10	20800	2505
	15	20825	2507.5
	20	20850	2510
Mid Range	5/10/15/20	21100	2535
High Range	5	21425	2567.5
	10	21400	2565
	15	21375	2562.5
	20	21350	2560

LTE Band 12			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	23017	699.7
	3	23025	700.5
	5	23035	701.5
	10	23060	704
Mid Range	1.4/3/5/10	23095	707.5
High Range	1.4	23173	715.3
	3	23165	714.5
	5	23155	713.5
	10	23130	711

LTE Band 17			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	23755	706.5
	10	23780	709
Mid Range	5/10	23790	710
High Range	5	23825	713.5
	10	23800	711





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LTE Band26(814-824MHz)			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	26697	814.7
	3	26705	815.5
	5	26715	816.5
	10	26740	819
Mid Range	1.4/3/5/10	26740	819
High Range	1.4	26783	823.3
	3	26775	822.5
	5	26765	821.5
	10	26740	819

LTE Band26(824-849MHz)			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	26797	824.7
	3	26805	825.5
	5	26815	826.5
	10	26840	829
	15	26865	831.5
Mid Range	1.4/3/5/10/15	26915	836.5
High Range	1.4	27033	848.3
	3	27025	847.5
	5	27015	846.5
	10	26990	844
	15	26965	841.5

LTE Band 40(2305-2315MHz)			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	38725	2307.5
Mid Range	5/10	38750	2310
High Range	5	38775	2312.5

LTE Band 40(2350-2360MHz)			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	39175	2352.5
Mid Range	5/10	39200	2355
High Range	5	39225	2357.5





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LTE Band 41			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	40065	2537.5
	10	40090	2540
	15	40115	2542.5
	20	40140	2545
Mid Range	5/10/15/20	40640	2595
High Range	5	41215	2652.5
	10	41190	2650
	15	41165	2647.5
	20	41140	2645

LTE Band66			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	131979	1710.7
	3	131987	1711.5
	5	131997	1712.5
	10	132022	1715
	15	132047	1717.5
	20	132322	1720
Mid Range	1.4/3/5/10/15/20	132322	1745
High Range	1.4	132665	1779.3
	3	132657	1778.5
	5	132647	1777.5
	10	132622	1775
	15	132597	1772.5
	20	132572	1770

Note 1: both QPSK&16QAM modulation has been measured;

Note 2: The worst condition was recorded in the test report if no other modes test data.





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3.5. Equipment Modifications

Not available for this EUT intended for grant.





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4. SUMMARY OF TEST REQUIREMENTS AND RESULTS

No.	Description	FCC Part No.	Test Verdict	Remark
1	Conducted RF Output Power	2.1046	Pass	--
2	Effective (Isotropic) Radiated Power	2.1046 22.913(a) 24.232(c) 27.50 90.635(b) 90.542(a) 90.1321(a)	Pass	--
3	Peak to Average Ratio	2.1046 22.913(d) 24.232(d) 27.50(d)	Pass	--
4	Occupied Bandwidth	2.1049 22.917(b) 24.238(b) 27.53 90.209	Pass	--
5	Frequency Stability	2.1055 22.355 24.235 27.54 90.213	Pass	--
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53 90.691 90.543	Pass	--
7	Band Edge	2.1051 22.917 24.238 27.53 90.691 90.543	Pass	--
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53 90.691 90.543	Pass	--





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5. MEASUREMENT INSTRUMENTS

NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.
EMI Test Receiver	R&S	ESCI	100005	2023-11-05	2024-11-04
LISN	AFJ	LS16	16010222119	2023-11-05	2024-11-04
LISN(EUT)	Mestec	AN3016	04/10040	2023-11-05	2024-11-04
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	2023-11-05	2024-11-04
Coaxial cable	Megalon	LMR400	N/A	2023-11-05	2024-11-04
GPIO cable	Megalon	GPIO	N/A	2023-11-05	2024-11-04
Spectrum Analyzer	R&S	FSU	100114	2023-11-05	2024-11-04
Pre Amplifier	H.P.	HP8447E	2945A02715	2023-11-05	2024-11-04
Pre-Amplifier	CDSI	PAP-1G18-38	--	2023-11-05	2024-11-04
Loop Antenna	R&S	HFH2-Z2	100296	2023-11-05	2024-11-04
Bi-log Antenna	SCHWARZBECK	VULB9168	01488	2023-07-29	2024-07-28
9*6*6 Anechoic	--	--	--	2023-11-05	2024-11-04
Horn Antenna	COMPLIANCE ENGINEERING	CE18000	--	2023-11-05	2024-11-04
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	2023-11-05	2024-11-04
Power meter	Anritsu	ML2487A	6K00003613	2023-11-05	2024-11-04
Power meter	Anritsu	MA2491A	32263	2023-11-05	2024-11-04
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	2023-11-05	2024-11-04
System-Controller	CCS	N/A	N/A	N.C.R	N.C.R
Turn Table	CCS	N/A	N/A	N.C.R	N.C.R
Antenna Tower	CCS	N/A	N/A	N.C.R	N.C.R
RF cable	Murata	MXHQ87WA3000	-	2023-11-05	2024-11-04
Loop Antenna	EMCO	6502	00042960	2023-11-05	2024-11-04
Wideband Radio Communication Tester	R&S	CMW 500	103974	2023-11-05	2024-11-04
Horn Antenna	SCHWARZBECK	BBHA 9170	1123	2023-11-05	2024-11-04
H & T Chamber	Guangzhou gongwen	GDJS-500-40	0329	2023-11-05	2024-11-04
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY60192341	2023-11-05	2024-11-04
Anechoic chamber	SAEMC	966	-	2023-11-05	2024-11-04
Spectrum Analyzer	KEYSIGHT	N9010B	MY60241089	2023-11-05	2024-11-04





6. Transmitter Radiated Power (EIRP/ERP)

Test limit:

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 27.50(j) & 27.50(k) & 90.635(b) & 90.542(a)

According to FCC section 22.913(a) (5), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 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 FCC section 27.50(a) (3), 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.

FCC section 27.50(b) (10), portable stations (hand-held devices) transmitting in the 746-757MHz, 776-788MHz, and 805-806MHz bands are limited to 3 watts ERP.

FCC section 27.50(c) (10), portable stations (hand-held devices) in the 600MHz uplink band and the 698-746MHz band, and fixed and mobile stations in the 600MHz uplink band are limited to 3 watts ERP.

FCC section 27.50(d) (4), 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. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP.

And FCC section 27.50(h) (2), for 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.

FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.

FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.

Radiated Power (EIRP/ERP) Limit

GSM 850/WCDMA B5/LTE B5: 7.00W(38.45dBm)
PCS 1900/WCDMA B2/LTE B2: 2.00W(33.01dBm)
WCDMA B4/LTE B4/B66: 1.00W(30.00dBm)
LTE B7/B38/B41: 2.00W(33.01dBm)
LTE B12/B17: 3.00W(34.77dBm)
LTE B42: 1.00W(30.00dBm)
LTE B40: 0.25W(24.00dBm)

**Test procedure:****Description of the Conducted Output Power Measurement**

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ω; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The relevant equation for determining the conducted measured value is:

$$\text{Conducted Output Power Value (dBm)} = \text{Measured Value (dBm)} + \text{Path Loss (dB)}$$

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm;

Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;

Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB).

Description of the Transmitter Radiated Power Measurement

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = P_{\text{Meas}} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

dBd (ERP) = dBi (EIRP) - 2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).



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Test Result

GSM Mode Test Data:

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Mode	Frequency (MHz)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
GSM850	824.2	32.49	-4.42	-6.57	25.92	38.45	Pass
	836.6	32.47	-4.42	-6.57	25.90	38.45	Pass
	848.8	32.68	-4.42	-6.57	26.11	38.45	Pass
GPRS850	1 Tx Slots	824.2	-4.42	-6.57	23.97	38.45	Pass
		836.6	-4.42	-6.57	23.36	38.45	Pass
		848.8	-4.42	-6.57	23.68	38.45	Pass
	2 Tx Slots	824.2	-4.42	-6.57	23.17	38.45	Pass
		836.6	-4.42	-6.57	23.34	38.45	Pass
		848.8	-4.42	-6.57	23.11	38.45	Pass
	3 Tx Slots	824.2	-4.42	-6.57	23.66	38.45	Pass
		836.6	-4.42	-6.57	24.47	38.45	Pass
		848.8	-4.42	-6.57	23.43	38.45	Pass
	4 Tx Slots	824.2	-4.42	-6.57	23.14	38.45	Pass
		836.6	-4.42	-6.57	23.62	38.45	Pass
		848.8	-4.42	-6.57	23.50	38.45	Pass
EPRS850	1 Tx Slots	824.2	-4.42	-6.57	19.00	38.45	Pass
		836.6	-4.42	-6.57	19.68	38.45	Pass
		848.8	-4.42	-6.57	19.19	38.45	Pass
	2 Tx Slots	824.2	-4.42	-6.57	19.67	38.45	Pass
		836.6	-4.42	-6.57	19.73	38.45	Pass
		848.8	-4.42	-6.57	19.07	38.45	Pass
	3 Tx Slots	824.2	-4.42	-6.57	19.47	38.45	Pass
		836.6	-4.42	-6.57	20.50	38.45	Pass
		848.8	-4.42	-6.57	19.81	38.45	Pass
	4 Tx Slots	824.2	-4.42	-6.57	19.36	38.45	Pass
		836.6	-4.42	-6.57	19.55	38.45	Pass
		848.8	-4.42	-6.57	19.16	38.45	Pass

Mode	Frequency (MHz)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
GSM1900	1850.2	29.15	-2.69	26.46	33.01	Pass
	1880	29.79	-2.69	27.10	33.01	Pass
	1909.8	29.15	-2.69	26.46	33.01	Pass
GPRS1900	1 Tx Slots	1850.2	-2.69	26.44	33.01	Pass
		1880	-2.69	23.64	33.01	Pass
		1909.8	-2.69	23.09	33.01	Pass
	2 Tx Slots	1850.2	-2.69	23.37	33.01	Pass
		1880	-2.69	22.88	33.01	Pass
		1909.8	-2.69	24.11	33.01	Pass
	3 Tx Slots	1850.2	-2.69	23.15	33.01	Pass
		1880	-2.69	24.20	33.01	Pass
		1909.8	-2.69	23.73	33.01	Pass
	4 Tx Slots	1850.2	-2.69	23.03	33.01	Pass
		1880	-2.69	23.12	33.01	Pass
		1909.8	-2.69	23.70	33.01	Pass
EGPRS1900	1 Tx Slots	1850.2	-2.69	23.35	33.01	Pass
		1880	-2.69	22.19	33.01	Pass
		1909.8	-2.69	22.13	33.01	Pass
	2 Tx Slots	1850.2	-2.69	22.25	33.01	Pass
		1880	-2.69	22.11	33.01	Pass
		1909.8	-2.69	22.64	33.01	Pass
	3 Tx Slots	1850.2	-2.69	22.13	33.01	Pass
		1880	-2.69	22.31	33.01	Pass
		1909.8	-2.69	22.19	33.01	Pass
	4 Tx Slots	1850.2	-2.69	22.61	33.01	Pass
		1880	-2.69	22.93	33.01	Pass
		1909.8	-2.69	22.16	33.01	Pass





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Note 1: For the GPRS and EGPRS mode, all slots were tested and just the worst data were recorded in this table.

Note 2: $ERP/EIRP = P_{Meas} + GT - LC$ ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm); P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

ERP = EIRP - 2.15; where ERP and EIRP are expressed in consistent units.

Note 3: Set PCL to 5 for GSM/GPRS 850 (power class 4) and 0 for GSM/GPRS 1900 (power class 1). Set PCL to 8 for EGPRS850 (power class E2) and 2 for EGPRS1900 (power class E2)





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WCDMA Mode Test Data:

Mode Test Data:									
Band	Mode		Frequency (MHz)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict	
Band 2	RMC 12.2K		1852.4	22.69	-2.69	20.00	33.01	Pass	
			1880	21.52	-2.69	18.83	33.01	Pass	
			1907.6	22.69	-2.69	20.00	33.01	Pass	
	HSDPA	1 Tx Slots	1852.4	22.09	-2.69	19.40	33.01	Pass	
			1880	22.71	-2.69	20.02	33.01	Pass	
			1907.6	21.49	-2.69	18.80	33.01	Pass	
		2 Tx Slots	1852.4	21.84	-2.69	19.15	33.01	Pass	
			1880	22.93	-2.69	20.24	33.01	Pass	
			1907.6	21.8	-2.69	19.11	33.01	Pass	
		3 Tx Slots	1852.4	21.26	-2.69	18.57	33.01	Pass	
			1880	21.71	-2.69	19.02	33.01	Pass	
			1907.6	21.75	-2.69	19.06	33.01	Pass	
		4 Tx Slots	1852.4	21.96	-2.69	19.27	33.01	Pass	
			1880	21.62	-2.69	18.93	33.01	Pass	
			1907.6	22.46	-2.69	19.77	33.01	Pass	
		HSUPA	1 Tx Slots	1852.4	21.69	-2.69	19.00	33.01	Pass
				1880	23.00	-2.69	20.31	33.01	Pass
				1907.6	22.38	-2.69	19.69	33.01	Pass
			2 Tx Slots	1852.4	22.11	-2.69	19.42	33.01	Pass
				1880	21.86	-2.69	19.17	33.01	Pass
				1907.6	22.12	-2.69	19.43	33.01	Pass
	3 Tx Slots		1852.4	21.42	-2.69	18.73	33.01	Pass	
			1880	22.46	-2.69	19.77	33.01	Pass	
			1907.6	22.21	-2.69	19.52	33.01	Pass	
	4 Tx Slots		1852.4	22.54	-2.69	19.85	33.01	Pass	
			1880	22.34	-2.69	19.65	33.01	Pass	
			1907.6	21.28	-2.69	18.59	33.01	Pass	
	5 Tx Slots	1852.4	22.1	-2.69	19.41	33.01	Pass		
		1880	22.64	-2.69	19.95	33.01	Pass		
		1907.6	21.94	-2.69	19.25	33.01	Pass		





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Band	Mode		Frequency (MHz)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band 4	RMC 12.2K		1712.4	22.21	-2.97	19.24	30.00	Pass
			1732.6	22.36	-2.97	19.39	30.00	Pass
			1752.6	21.84	-2.97	18.87	30.00	Pass
	HSDPA	1 Tx Slots	1712.4	21.81	-2.97	18.84	30.00	Pass
			1732.6	22.06	-2.97	19.09	30.00	Pass
			1752.6	22.14	-2.97	19.17	30.00	Pass
		2 Tx Slots	1712.4	22.09	-2.97	19.12	30.00	Pass
			1732.6	22.12	-2.97	19.15	30.00	Pass
			1752.6	22.14	-2.97	19.17	30.00	Pass
		3 Tx Slots	1712.4	22.53	-2.97	19.56	30.00	Pass
			1732.6	22.52	-2.97	19.55	30.00	Pass
			1752.6	21.91	-2.97	18.94	30.00	Pass
		4 Tx Slots	1712.4	21.96	-2.97	18.99	30.00	Pass
			1732.6	21.58	-2.97	18.61	30.00	Pass
			1752.6	21.6	-2.97	18.63	30.00	Pass
	HSUPA	1 Tx Slots	1712.4	22.5	-2.97	19.53	30.00	Pass
			1732.6	21.66	-2.97	18.69	30.00	Pass
			1752.6	21.79	-2.97	18.82	30.00	Pass
		2 Tx Slots	1712.4	22.6	-2.97	19.63	30.00	Pass
			1732.6	22.03	-2.97	19.06	30.00	Pass
			1752.6	21.85	-2.97	18.88	30.00	Pass
		3 Tx Slots	1712.4	21.93	-2.97	18.96	30.00	Pass
			1732.6	21.6	-2.97	18.63	30.00	Pass
			1752.6	21.8	-2.97	18.83	30.00	Pass
		4 Tx Slots	1712.4	22.43	-2.97	19.46	30.00	Pass
			1732.6	21.75	-2.97	18.78	30.00	Pass
			1752.6	21.17	-2.97	18.20	30.00	Pass
		5 Tx Slots	1712.4	21.34	-2.97	18.37	30.00	Pass
			1732.6	22	-2.97	19.03	30.00	Pass
			1752.6	21.46	-2.97	18.49	30.00	Pass



Band	Mode	Frequency (MHz)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	EIRP (dBm)	Limit (dBm)	Verdict
Band 5	RMC 12.2K	826.4	22.73	-4.42	-6.57	16.16	38.45	Pass
		836.4	22.74	-4.42	-6.57	16.17	38.45	Pass
		846.6	21.43	-4.42	-6.57	14.86	38.45	Pass
	HSDPA	1 Tx Slots	826.4	-4.42	-6.57	15.36	38.45	Pass
			836.4	-4.42	-6.57	15.21	38.45	Pass
			846.6	-4.42	-6.57	14.87	38.45	Pass
		2 Tx Slots	826.4	-4.42	-6.57	15.00	38.45	Pass
			836.4	-4.42	-6.57	14.97	38.45	Pass
			846.6	-4.42	-6.57	15.91	38.45	Pass
		3 Tx Slots	826.4	-4.42	-6.57	15.59	38.45	Pass
			836.4	-4.42	-6.57	15.38	38.45	Pass
			846.6	-4.42	-6.57	15.49	38.45	Pass
		4 Tx Slots	826.4	-4.42	-6.57	15.74	38.45	Pass
			836.4	-4.42	-6.57	15.81	38.45	Pass
			846.6	-4.42	-6.57	15.91	38.45	Pass
	HSUPA	1 Tx Slots	826.4	-4.42	-6.57	15.73	38.45	Pass
			836.4	-4.42	-6.57	15.83	38.45	Pass
			846.6	-4.42	-6.57	15.32	38.45	Pass
		2 Tx Slots	826.4	-4.42	-6.57	15.51	38.45	Pass
			836.4	-4.42	-6.57	15.31	38.45	Pass
			846.6	-4.42	-6.57	15.00	38.45	Pass
		3 Tx Slots	826.4	-4.42	-6.57	15.72	38.45	Pass
			836.4	-4.42	-6.57	15.79	38.45	Pass
			846.6	-4.42	-6.57	15.53	38.45	Pass
		4 Tx Slots	826.4	-4.42	-6.57	15.76	38.45	Pass
			836.4	-4.42	-6.57	15.18	38.45	Pass
			846.6	-4.42	-6.57	15.91	38.45	Pass
		5 Tx Slots	826.4	-4.42	-6.57	15.48	38.45	Pass
			836.4	-4.42	-6.57	15.19	38.45	Pass
			846.6	-4.42	-6.57	15.24	38.45	Pass

Note 1: For the HSDPA and HSUPA mode, all subtests were tested and just the worst data were recorded in this table.

Note 2: $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$; where ERP and EIRP are expressed in consistent units.





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LTE Mode Test Data

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	22.98	-2.69	20.29	33.01	Pass
Band2	1.4	18607	1	#Mid	QPSK	23	-2.69	20.31	33.01	Pass
Band2	1.4	18607	1	#Max	QPSK	23.02	-2.69	20.33	33.01	Pass
Band2	1.4	18607	3	#0	QPSK	22.86	-2.69	20.17	33.01	Pass
Band2	1.4	18607	3	#Mid	QPSK	22.98	-2.69	20.29	33.01	Pass
Band2	1.4	18607	3	#Max	QPSK	22.97	-2.69	20.28	33.01	Pass
Band2	1.4	18607	6	#0	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	1.4	18607	1	#0	16QAM	23.4	-2.69	20.71	33.01	Pass
Band2	1.4	18607	1	#Mid	16QAM	23.39	-2.69	20.70	33.01	Pass
Band2	1.4	18607	1	#Max	16QAM	23.45	-2.69	20.76	33.01	Pass
Band2	1.4	18607	3	#0	16QAM	22.15	-2.69	19.46	33.01	Pass
Band2	1.4	18607	3	#Mid	16QAM	22.17	-2.69	19.48	33.01	Pass
Band2	1.4	18607	3	#Max	16QAM	22.16	-2.69	19.47	33.01	Pass
Band2	1.4	18607	6	#0	16QAM	21.1	-2.69	18.41	33.01	Pass
Band2	1.4	18900	1	#0	QPSK	22.85	-2.69	20.16	33.01	Pass
Band2	1.4	18900	1	#Mid	QPSK	22.86	-2.69	20.17	33.01	Pass
Band2	1.4	18900	1	#Max	QPSK	22.88	-2.69	20.19	33.01	Pass
Band2	1.4	18900	3	#0	QPSK	23.02	-2.69	20.33	33.01	Pass
Band2	1.4	18900	3	#Mid	QPSK	22.95	-2.69	20.26	33.01	Pass
Band2	1.4	18900	3	#Max	QPSK	22.99	-2.69	20.30	33.01	Pass
Band2	1.4	18900	6	#0	QPSK	22.49	-2.69	19.80	33.01	Pass
Band2	1.4	18900	1	#0	16QAM	22.47	-2.69	19.78	33.01	Pass
Band2	1.4	18900	1	#Mid	16QAM	22.54	-2.69	19.85	33.01	Pass
Band2	1.4	18900	1	#Max	16QAM	22.57	-2.69	19.88	33.01	Pass
Band2	1.4	18900	3	#0	16QAM	21.94	-2.69	19.25	33.01	Pass
Band2	1.4	18900	3	#Mid	16QAM	21.95	-2.69	19.26	33.01	Pass
Band2	1.4	18900	3	#Max	16QAM	21.99	-2.69	19.30	33.01	Pass
Band2	1.4	18900	6	#0	16QAM	20.98	-2.69	18.29	33.01	Pass
Band2	1.4	19193	1	#0	QPSK	22.95	-2.69	20.26	33.01	Pass
Band2	1.4	19193	1	#Mid	QPSK	23.03	-2.69	20.34	33.01	Pass
Band2	1.4	19193	1	#Max	QPSK	23.06	-2.69	20.37	33.01	Pass
Band2	1.4	19193	3	#0	QPSK	23.04	-2.69	20.35	33.01	Pass
Band2	1.4	19193	3	#Mid	QPSK	22.97	-2.69	20.28	33.01	Pass
Band2	1.4	19193	3	#Max	QPSK	23	-2.69	20.31	33.01	Pass
Band2	1.4	19193	6	#0	QPSK	22.63	-2.69	19.94	33.01	Pass
Band2	1.4	19193	1	#0	16QAM	22.75	-2.69	20.06	33.01	Pass
Band2	1.4	19193	1	#Mid	16QAM	22.87	-2.69	20.18	33.01	Pass
Band2	1.4	19193	1	#Max	16QAM	22.78	-2.69	20.09	33.01	Pass
Band2	1.4	19193	3	#0	16QAM	22.5	-2.69	19.81	33.01	Pass
Band2	1.4	19193	3	#Mid	16QAM	22.44	-2.69	19.75	33.01	Pass
Band2	1.4	19193	3	#Max	16QAM	22.43	-2.69	19.74	33.01	Pass
Band2	1.4	19193	6	#0	16QAM	21.32	-2.69	18.63	33.01	Pass
Band2	3	18615	1	#0	QPSK	22.77	-2.69	20.08	33.01	Pass
Band2	3	18615	1	#Mid	QPSK	22.82	-2.69	20.13	33.01	Pass
Band2	3	18615	1	#Max	QPSK	22.79	-2.69	20.10	33.01	Pass
Band2	3	18615	8	#0	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	3	18615	8	#Mid	QPSK	22.52	-2.69	19.83	33.01	Pass
Band2	3	18615	8	#Max	QPSK	22.45	-2.69	19.76	33.01	Pass
Band2	3	18615	15	#0	QPSK	22.46	-2.69	19.77	33.01	Pass
Band2	3	18615	1	#0	16QAM	23.51	-2.69	20.82	33.01	Pass
Band2	3	18615	1	#Mid	16QAM	23.51	-2.69	20.82	33.01	Pass
Band2	3	18615	1	#Max	16QAM	23.47	-2.69	20.78	33.01	Pass
Band2	3	18615	8	#0	16QAM	20.9	-2.69	18.21	33.01	Pass
Band2	3	18615	8	#Mid	16QAM	20.93	-2.69	18.24	33.01	Pass
Band2	3	18615	8	#Max	16QAM	20.91	-2.69	18.22	33.01	Pass
Band2	3	18615	15	#0	16QAM	21.06	-2.69	18.37	33.01	Pass
Band2	3	18900	1	#0	QPSK	22.85	-2.69	20.16	33.01	Pass
Band2	3	18900	1	#Mid	QPSK	22.88	-2.69	20.19	33.01	Pass
Band2	3	18900	1	#Max	QPSK	22.86	-2.69	20.17	33.01	Pass



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Band2	3	18900	8	#0	QPSK	22.55	-2.69	19.86	33.01	Pass
Band2	3	18900	8	#Mid	QPSK	22.36	-2.69	19.67	33.01	Pass
Band2	3	18900	8	#Max	QPSK	22.53	-2.69	19.84	33.01	Pass
Band2	3	18900	15	#0	QPSK	22.54	-2.69	19.85	33.01	Pass
Band2	3	18900	1	#0	16QAM	22.47	-2.69	19.78	33.01	Pass
Band2	3	18900	1	#Mid	16QAM	22.52	-2.69	19.83	33.01	Pass
Band2	3	18900	1	#Max	16QAM	22.57	-2.69	19.88	33.01	Pass
Band2	3	18900	8	#0	16QAM	21.1	-2.69	18.41	33.01	Pass
Band2	3	18900	8	#Mid	16QAM	21.12	-2.69	18.43	33.01	Pass
Band2	3	18900	8	#Max	16QAM	21.06	-2.69	18.37	33.01	Pass
Band2	3	18900	15	#0	16QAM	21.06	-2.69	18.37	33.01	Pass
Band2	3	19185	1	#0	QPSK	22.9	-2.69	20.21	33.01	Pass
Band2	3	19185	1	#Mid	QPSK	23.05	-2.69	20.36	33.01	Pass
Band2	3	19185	1	#Max	QPSK	23.08	-2.69	20.39	33.01	Pass
Band2	3	19185	8	#0	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	3	19185	8	#Mid	QPSK	22.53	-2.69	19.84	33.01	Pass
Band2	3	19185	8	#Max	QPSK	22.47	-2.69	19.78	33.01	Pass
Band2	3	19185	15	#0	QPSK	22.51	-2.69	19.82	33.01	Pass
Band2	3	19185	1	#0	16QAM	22.79	-2.69	20.10	33.01	Pass
Band2	3	19185	1	#Mid	16QAM	22.86	-2.69	20.17	33.01	Pass
Band2	3	19185	1	#Max	16QAM	22.87	-2.69	20.18	33.01	Pass
Band2	3	19185	8	#0	16QAM	21.13	-2.69	18.44	33.01	Pass
Band2	3	19185	8	#Mid	16QAM	21.19	-2.69	18.50	33.01	Pass
Band2	3	19185	8	#Max	16QAM	21.16	-2.69	18.47	33.01	Pass
Band2	3	19185	15	#0	16QAM	21.23	-2.69	18.54	33.01	Pass
Band2	5	18625	1	#0	QPSK	22.73	-2.69	20.04	33.01	Pass
Band2	5	18625	1	#Mid	QPSK	22.73	-2.69	20.04	33.01	Pass
Band2	5	18625	1	#Max	QPSK	22.69	-2.69	20.00	33.01	Pass
Band2	5	18625	12	#0	QPSK	22.39	-2.69	19.70	33.01	Pass
Band2	5	18625	12	#Mid	QPSK	22.31	-2.69	19.62	33.01	Pass
Band2	5	18625	12	#Max	QPSK	22.42	-2.69	19.73	33.01	Pass
Band2	5	18625	25	#0	QPSK	22.43	-2.69	19.74	33.01	Pass
Band2	5	18625	1	#0	16QAM	22.62	-2.69	19.93	33.01	Pass
Band2	5	18625	1	#Mid	16QAM	22.54	-2.69	19.85	33.01	Pass
Band2	5	18625	1	#Max	16QAM	22.83	-2.69	20.14	33.01	Pass
Band2	5	18625	12	#0	16QAM	20.89	-2.69	18.20	33.01	Pass
Band2	5	18625	12	#Mid	16QAM	20.85	-2.69	18.16	33.01	Pass
Band2	5	18625	12	#Max	16QAM	20.87	-2.69	18.18	33.01	Pass
Band2	5	18625	25	#0	16QAM	21.03	-2.69	18.34	33.01	Pass
Band2	5	18900	1	#0	QPSK	22.86	-2.69	20.17	33.01	Pass
Band2	5	18900	1	#Mid	QPSK	22.87	-2.69	20.18	33.01	Pass
Band2	5	18900	1	#Max	QPSK	22.94	-2.69	20.25	33.01	Pass
Band2	5	18900	12	#0	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	5	18900	12	#Mid	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	5	18900	12	#Max	QPSK	22.44	-2.69	19.75	33.01	Pass
Band2	5	18900	25	#0	QPSK	22.47	-2.69	19.78	33.01	Pass
Band2	5	18900	1	#0	16QAM	22.16	-2.69	19.47	33.01	Pass
Band2	5	18900	1	#Mid	16QAM	22.11	-2.69	19.42	33.01	Pass
Band2	5	18900	1	#Max	16QAM	22.14	-2.69	19.45	33.01	Pass
Band2	5	18900	12	#0	16QAM	20.9	-2.69	18.21	33.01	Pass
Band2	5	18900	12	#Mid	16QAM	20.84	-2.69	18.15	33.01	Pass
Band2	5	18900	12	#Max	16QAM	20.84	-2.69	18.15	33.01	Pass
Band2	5	18900	25	#0	16QAM	21.06	-2.69	18.37	33.01	Pass
Band2	5	19175	1	#0	QPSK	22.89	-2.69	20.20	33.01	Pass
Band2	5	19175	1	#Mid	QPSK	22.95	-2.69	20.26	33.01	Pass
Band2	5	19175	1	#Max	QPSK	22.95	-2.69	20.26	33.01	Pass
Band2	5	19175	12	#0	QPSK	22.49	-2.69	19.80	33.01	Pass
Band2	5	19175	12	#Mid	QPSK	22.45	-2.69	19.76	33.01	Pass
Band2	5	19175	12	#Max	QPSK	22.63	-2.69	19.94	33.01	Pass
Band2	5	19175	25	#0	QPSK	22.63	-2.69	19.94	33.01	Pass
Band2	5	19175	1	#0	16QAM	22.39	-2.69	19.70	33.01	Pass
Band2	5	19175	1	#Mid	16QAM	22.49	-2.69	19.80	33.01	Pass
Band2	5	19175	1	#Max	16QAM	22.49	-2.69	19.80	33.01	Pass
Band2	5	19175	12	#0	16QAM	21.14	-2.69	18.45	33.01	Pass
Band2	5	19175	12	#Mid	16QAM	21.13	-2.69	18.44	33.01	Pass



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Band2	5	19175	12	#Max	16QAM	21.08	-2.69	18.39	33.01	Pass
Band2	5	19175	25	#0	16QAM	21.08	-2.69	18.39	33.01	Pass
Band2	10	18650	1	#0	QPSK	22.92	-2.69	20.23	33.01	Pass
Band2	10	18650	1	#Mid	QPSK	22.84	-2.69	20.15	33.01	Pass
Band2	10	18650	1	#Max	QPSK	22.76	-2.69	20.07	33.01	Pass
Band2	10	18650	25	#0	QPSK	22.36	-2.69	19.67	33.01	Pass
Band2	10	18650	25	#Mid	QPSK	22.28	-2.69	19.59	33.01	Pass
Band2	10	18650	25	#Max	QPSK	22.35	-2.69	19.66	33.01	Pass
Band2	10	18650	50	#0	QPSK	22.39	-2.69	19.70	33.01	Pass
Band2	10	18650	1	#0	16QAM	23.57	-2.69	20.88	33.01	Pass
Band2	10	18650	1	#Mid	16QAM	23.95	-2.69	21.26	33.01	Pass
Band2	10	18650	1	#Max	16QAM	23.41	-2.69	20.72	33.01	Pass
Band2	10	18650	25	#0	16QAM	20.87	-2.69	18.18	33.01	Pass
Band2	10	18650	25	#Mid	16QAM	21.15	-2.69	18.46	33.01	Pass
Band2	10	18650	25	#Max	16QAM	21.14	-2.69	18.45	33.01	Pass
Band2	10	18650	50	#0	16QAM	21.25	-2.69	18.56	33.01	Pass
Band2	10	18900	1	#0	QPSK	22.94	-2.69	20.25	33.01	Pass
Band2	10	18900	1	#Mid	QPSK	23.01	-2.69	20.32	33.01	Pass
Band2	10	18900	1	#Max	QPSK	23.01	-2.69	20.32	33.01	Pass
Band2	10	18900	25	#0	QPSK	22.43	-2.69	19.74	33.01	Pass
Band2	10	18900	25	#Mid	QPSK	22.46	-2.69	19.77	33.01	Pass
Band2	10	18900	25	#Max	QPSK	22.36	-2.69	19.67	33.01	Pass
Band2	10	18900	50	#0	QPSK	22.37	-2.69	19.68	33.01	Pass
Band2	10	18900	1	#0	16QAM	22.46	-2.69	19.77	33.01	Pass
Band2	10	18900	1	#Mid	16QAM	22.47	-2.69	19.78	33.01	Pass
Band2	10	18900	1	#Max	16QAM	22.49	-2.69	19.80	33.01	Pass
Band2	10	18900	25	#0	16QAM	21.08	-2.69	18.39	33.01	Pass
Band2	10	18900	25	#Mid	16QAM	21	-2.69	18.31	33.01	Pass
Band2	10	18900	25	#Max	16QAM	21.01	-2.69	18.32	33.01	Pass
Band2	10	18900	50	#0	16QAM	21.07	-2.69	18.38	33.01	Pass
Band2	10	19150	1	#0	QPSK	22.94	-2.69	20.25	33.01	Pass
Band2	10	19150	1	#Mid	QPSK	22.93	-2.69	20.24	33.01	Pass
Band2	10	19150	1	#Max	QPSK	23.06	-2.69	20.37	33.01	Pass
Band2	10	19150	25	#0	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	10	19150	25	#Mid	QPSK	22.46	-2.69	19.77	33.01	Pass
Band2	10	19150	25	#Max	QPSK	22.5	-2.69	19.81	33.01	Pass
Band2	10	19150	50	#0	QPSK	22.47	-2.69	19.78	33.01	Pass
Band2	10	19150	1	#0	16QAM	22.54	-2.69	19.85	33.01	Pass
Band2	10	19150	1	#Mid	16QAM	22.57	-2.69	19.88	33.01	Pass
Band2	10	19150	1	#Max	16QAM	22.56	-2.69	19.87	33.01	Pass
Band2	10	19150	25	#0	16QAM	21.36	-2.69	18.67	33.01	Pass
Band2	10	19150	25	#Mid	16QAM	21.02	-2.69	18.33	33.01	Pass
Band2	10	19150	25	#Max	16QAM	21.16	-2.69	18.47	33.01	Pass
Band2	10	19150	50	#0	16QAM	21	-2.69	18.31	33.01	Pass
Band2	15	18675	1	#0	QPSK	22.92	-2.69	20.23	33.01	Pass
Band2	15	18675	1	#Mid	QPSK	22.77	-2.69	20.08	33.01	Pass
Band2	15	18675	1	#Max	QPSK	22.76	-2.69	20.07	33.01	Pass
Band2	15	18675	36	#0	QPSK	22.4	-2.69	19.71	33.01	Pass
Band2	15	18675	36	#Mid	QPSK	22.3	-2.69	19.61	33.01	Pass
Band2	15	18675	36	#Max	QPSK	22.37	-2.69	19.68	33.01	Pass
Band2	15	18675	75	#0	QPSK	22.39	-2.69	19.70	33.01	Pass
Band2	15	18675	1	#0	16QAM	23.63	-2.69	20.94	33.01	Pass
Band2	15	18675	1	#Mid	16QAM	23.77	-2.69	21.08	33.01	Pass
Band2	15	18675	1	#Max	16QAM	23.53	-2.69	20.84	33.01	Pass
Band2	15	18675	36	#0	16QAM	21.16	-2.69	18.47	33.01	Pass
Band2	15	18675	36	#Mid	16QAM	21.22	-2.69	18.53	33.01	Pass
Band2	15	18675	36	#Max	16QAM	20.88	-2.69	18.19	33.01	Pass
Band2	15	18675	75	#0	16QAM	21.29	-2.69	18.60	33.01	Pass
Band2	15	18900	1	#0	QPSK	23	-2.69	20.31	33.01	Pass
Band2	15	18900	1	#Mid	QPSK	22.99	-2.69	20.30	33.01	Pass
Band2	15	18900	1	#Max	QPSK	23	-2.69	20.31	33.01	Pass
Band2	15	18900	36	#0	QPSK	22.44	-2.69	19.75	33.01	Pass
Band2	15	18900	36	#Mid	QPSK	22.46	-2.69	19.77	33.01	Pass
Band2	15	18900	36	#Max	QPSK	22.44	-2.69	19.75	33.01	Pass
Band2	15	18900	75	#0	QPSK	22.5	-2.69	19.81	33.01	Pass



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Band2	15	18900	1	#0	16QAM	22.43	-2.69	19.74	33.01	Pass	For Question, Please contact with WSCT
Band2	15	18900	1	#Mid	16QAM	22.45	-2.69	19.76	33.01	Pass	www.wsct-cert.com
Band2	15	18900	1	#Max	16QAM	22.5	-2.69	19.81	33.01	Pass	
Band2	15	18900	36	#0	16QAM	21.13	-2.69	18.44	33.01	Pass	
Band2	15	18900	36	#Mid	16QAM	21.18	-2.69	18.49	33.01	Pass	
Band2	15	18900	36	#Max	16QAM	21.12	-2.69	18.43	33.01	Pass	
Band2	15	18900	75	#0	16QAM	21	-2.69	18.31	33.01	Pass	
Band2	15	19125	1	#0	QPSK	23.01	-2.69	20.32	33.01	Pass	
Band2	15	19125	1	#Mid	QPSK	22.88	-2.69	20.19	33.01	Pass	
Band2	15	19125	1	#Max	QPSK	23.03	-2.69	20.34	33.01	Pass	
Band2	15	19125	36	#0	QPSK	22.39	-2.69	19.70	33.01	Pass	
Band2	15	19125	36	#Mid	QPSK	22.51	-2.69	19.82	33.01	Pass	
Band2	15	19125	36	#Max	QPSK	22.49	-2.69	19.80	33.01	Pass	
Band2	15	19125	75	#0	QPSK	22.46	-2.69	19.77	33.01	Pass	
Band2	15	19125	1	#0	16QAM	23.11	-2.69	20.42	33.01	Pass	
Band2	15	19125	1	#Mid	16QAM	23.08	-2.69	20.39	33.01	Pass	
Band2	15	19125	1	#Max	16QAM	23.23	-2.69	20.54	33.01	Pass	
Band2	15	19125	36	#0	16QAM	21.03	-2.69	18.34	33.01	Pass	
Band2	15	19125	36	#Mid	16QAM	21.36	-2.69	18.67	33.01	Pass	
Band2	15	19125	36	#Max	16QAM	21.11	-2.69	18.42	33.01	Pass	
Band2	15	19125	75	#0	16QAM	21.41	-2.69	18.72	33.01	Pass	
Band2	20	18700	1	#0	QPSK	22.83	-2.69	20.14	33.01	Pass	
Band2	20	18700	1	#Mid	QPSK	22.78	-2.69	20.09	33.01	Pass	
Band2	20	18700	1	#Max	QPSK	22.83	-2.69	20.14	33.01	Pass	
Band2	20	18700	50	#0	QPSK	22.34	-2.69	19.65	33.01	Pass	
Band2	20	18700	50	#Mid	QPSK	22.34	-2.69	19.65	33.01	Pass	
Band2	20	18700	50	#Max	QPSK	22.4	-2.69	19.71	33.01	Pass	
Band2	20	18700	100	#0	QPSK	22.26	-2.69	19.57	33.01	Pass	
Band2	20	18700	1	#0	16QAM	22.12	-2.69	19.43	33.01	Pass	
Band2	20	18700	1	#Mid	16QAM	21.99	-2.69	19.30	33.01	Pass	
Band2	20	18700	1	#Max	16QAM	22.02	-2.69	19.33	33.01	Pass	
Band2	20	18700	50	#0	16QAM	21.33	-2.69	18.64	33.01	Pass	
Band2	20	18700	50	#Mid	16QAM	21.33	-2.69	18.64	33.01	Pass	
Band2	20	18700	50	#Max	16QAM	20.94	-2.69	18.25	33.01	Pass	
Band2	20	18700	100	#0	16QAM	21.21	-2.69	18.52	33.01	Pass	
Band2	20	18900	1	#0	QPSK	22.99	-2.69	20.30	33.01	Pass	
Band2	20	18900	1	#Mid	QPSK	23.03	-2.69	20.34	33.01	Pass	
Band2	20	18900	1	#Max	QPSK	23.17	-2.69	20.48	33.01	Pass	
Band2	20	18900	50	#0	QPSK	22.45	-2.69	19.76	33.01	Pass	
Band2	20	18900	50	#Mid	QPSK	22.49	-2.69	19.80	33.01	Pass	
Band2	20	18900	50	#Max	QPSK	22.43	-2.69	19.74	33.01	Pass	
Band2	20	18900	100	#0	QPSK	22.33	-2.69	19.64	33.01	Pass	
Band2	20	18900	1	#0	16QAM	22.13	-2.69	19.44	33.01	Pass	
Band2	20	18900	1	#Mid	16QAM	22.13	-2.69	19.44	33.01	Pass	
Band2	20	18900	1	#Max	16QAM	22.25	-2.69	19.56	33.01	Pass	
Band2	20	18900	50	#0	16QAM	20.99	-2.69	18.30	33.01	Pass	
Band2	20	18900	50	#Mid	16QAM	20.96	-2.69	18.27	33.01	Pass	
Band2	20	18900	50	#Max	16QAM	20.85	-2.69	18.16	33.01	Pass	
Band2	20	18900	100	#0	16QAM	20.96	-2.69	18.27	33.01	Pass	
Band2	20	19100	1	#0	QPSK	23.1	-2.69	20.41	33.01	Pass	
Band2	20	19100	1	#Mid	QPSK	23.05	-2.69	20.36	33.01	Pass	
Band2	20	19100	1	#Max	QPSK	23.23	-2.69	20.54	33.01	Pass	
Band2	20	19100	50	#0	QPSK	22.49	-2.69	19.80	33.01	Pass	
Band2	20	19100	50	#Mid	QPSK	22.5	-2.69	19.81	33.01	Pass	
Band2	20	19100	50	#Max	QPSK	22.49	-2.69	19.80	33.01	Pass	
Band2	20	19100	100	#0	QPSK	22.39	-2.69	19.70	33.01	Pass	
Band2	20	19100	1	#0	16QAM	22.38	-2.69	19.69	33.01	Pass	
Band2	20	19100	1	#Mid	16QAM	22.39	-2.69	19.70	33.01	Pass	
Band2	20	19100	1	#Max	16QAM	22.49	-2.69	19.80	33.01	Pass	
Band2	20	19100	50	#0	16QAM	21.23	-2.69	18.54	33.01	Pass	
Band2	20	19100	50	#Mid	16QAM	21.02	-2.69	18.33	33.01	Pass	
Band2	20	19100	50	#Max	16QAM	21.01	-2.69	18.32	33.01	Pass	
Band2	20	19100	100	#0	16QAM	21.03	-2.69	18.34	33.01	Pass	



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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.78	-2.97	19.81	30.00	Pass
Band4	1.4	19957	1	#Mid	QPSK	22.78	-2.97	19.81	30.00	Pass
Band4	1.4	19957	1	#Max	QPSK	22.79	-2.97	19.82	30.00	Pass
Band4	1.4	19957	3	#0	QPSK	22.73	-2.97	19.76	30.00	Pass
Band4	1.4	19957	3	#Mid	QPSK	22.71	-2.97	19.74	30.00	Pass
Band4	1.4	19957	3	#Max	QPSK	22.66	-2.97	19.69	30.00	Pass
Band4	1.4	19957	6	#0	QPSK	22.22	-2.97	19.25	30.00	Pass
Band4	1.4	19957	1	#0	16QAM	23.08	-2.97	20.11	30.00	Pass
Band4	1.4	19957	1	#Mid	16QAM	23.07	-2.97	20.10	30.00	Pass
Band4	1.4	19957	1	#Max	16QAM	23.15	-2.97	20.18	30.00	Pass
Band4	1.4	19957	3	#0	16QAM	21.79	-2.97	18.82	30.00	Pass
Band4	1.4	19957	3	#Mid	16QAM	21.8	-2.97	18.83	30.00	Pass
Band4	1.4	19957	3	#Max	16QAM	21.78	-2.97	18.81	30.00	Pass
Band4	1.4	19957	6	#0	16QAM	21.13	-2.97	18.16	30.00	Pass
Band4	1.4	20175	1	#0	QPSK	22.53	-2.97	19.56	30.00	Pass
Band4	1.4	20175	1	#Mid	QPSK	22.54	-2.97	19.57	30.00	Pass
Band4	1.4	20175	1	#Max	QPSK	22.55	-2.97	19.58	30.00	Pass
Band4	1.4	20175	3	#0	QPSK	22.65	-2.97	19.68	30.00	Pass
Band4	1.4	20175	3	#Mid	QPSK	22.58	-2.97	19.61	30.00	Pass
Band4	1.4	20175	3	#Max	QPSK	22.51	-2.97	19.54	30.00	Pass
Band4	1.4	20175	6	#0	QPSK	22.1	-2.97	19.13	30.00	Pass
Band4	1.4	20175	1	#0	16QAM	22.72	-2.97	19.75	30.00	Pass
Band4	1.4	20175	1	#Mid	16QAM	22.87	-2.97	19.90	30.00	Pass
Band4	1.4	20175	1	#Max	16QAM	22.82	-2.97	19.85	30.00	Pass
Band4	1.4	20175	3	#0	16QAM	21.72	-2.97	18.75	30.00	Pass
Band4	1.4	20175	3	#Mid	16QAM	21.7	-2.97	18.73	30.00	Pass
Band4	1.4	20175	3	#Max	16QAM	21.74	-2.97	18.77	30.00	Pass
Band4	1.4	20175	6	#0	16QAM	20.88	-2.97	17.91	30.00	Pass
Band4	1.4	20393	1	#0	QPSK	22.95	-2.97	19.98	30.00	Pass
Band4	1.4	20393	1	#Mid	QPSK	23.03	-2.97	20.06	30.00	Pass
Band4	1.4	20393	1	#Max	QPSK	22.95	-2.97	19.98	30.00	Pass
Band4	1.4	20393	3	#0	QPSK	22.76	-2.97	19.79	30.00	Pass
Band4	1.4	20393	3	#Mid	QPSK	22.81	-2.97	19.84	30.00	Pass
Band4	1.4	20393	3	#Max	QPSK	22.74	-2.97	19.77	30.00	Pass
Band4	1.4	20393	6	#0	QPSK	22.39	-2.97	19.42	30.00	Pass
Band4	1.4	20393	1	#0	16QAM	22.9	-2.97	19.93	30.00	Pass
Band4	1.4	20393	1	#Mid	16QAM	22.77	-2.97	19.80	30.00	Pass
Band4	1.4	20393	1	#Max	16QAM	22.83	-2.97	19.86	30.00	Pass
Band4	1.4	20393	3	#0	16QAM	22.3	-2.97	19.33	30.00	Pass
Band4	1.4	20393	3	#Mid	16QAM	22.23	-2.97	19.26	30.00	Pass
Band4	1.4	20393	3	#Max	16QAM	22.2	-2.97	19.23	30.00	Pass
Band4	1.4	20393	6	#0	16QAM	20.95	-2.97	17.98	30.00	Pass
Band4	3	19965	1	#0	QPSK	22.62	-2.97	19.65	30.00	Pass
Band4	3	19965	1	#Mid	QPSK	22.51	-2.97	19.54	30.00	Pass
Band4	3	19965	1	#Max	QPSK	22.48	-2.97	19.51	30.00	Pass
Band4	3	19965	8	#0	QPSK	22.08	-2.97	19.11	30.00	Pass
Band4	3	19965	8	#Mid	QPSK	22.18	-2.97	19.21	30.00	Pass
Band4	3	19965	8	#Max	QPSK	22.07	-2.97	19.10	30.00	Pass
Band4	3	19965	15	#0	QPSK	22.04	-2.97	19.07	30.00	Pass
Band4	3	19965	1	#0	16QAM	23.16	-2.97	20.19	30.00	Pass
Band4	3	19965	1	#Mid	16QAM	23.15	-2.97	20.18	30.00	Pass
Band4	3	19965	1	#Max	16QAM	23.06	-2.97	20.09	30.00	Pass
Band4	3	19965	8	#0	16QAM	20.97	-2.97	18.00	30.00	Pass
Band4	3	19965	8	#Mid	16QAM	20.9	-2.97	17.93	30.00	Pass
Band4	3	19965	8	#Max	16QAM	20.89	-2.97	17.92	30.00	Pass
Band4	3	19965	15	#0	16QAM	21.15	-2.97	18.18	30.00	Pass
Band4	3	20175	1	#0	QPSK	22.56	-2.97	19.59	30.00	Pass
Band4	3	20175	1	#Mid	QPSK	22.52	-2.97	19.55	30.00	Pass



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Band4	3	20175	1	#Max	QPSK	22.55	-2.97	19.58	30.00	Pass
Band4	3	20175	8	#0	QPSK	22.13	-2.97	19.16	30.00	Pass
Band4	3	20175	8	#Mid	QPSK	22.18	-2.97	19.21	30.00	Pass
Band4	3	20175	8	#Max	QPSK	22.14	-2.97	19.17	30.00	Pass
Band4	3	20175	15	#0	QPSK	22.14	-2.97	19.17	30.00	Pass
Band4	3	20175	1	#0	16QAM	22.71	-2.97	19.74	30.00	Pass
Band4	3	20175	1	#Mid	16QAM	22.84	-2.97	19.87	30.00	Pass
Band4	3	20175	1	#Max	16QAM	22.8	-2.97	19.83	30.00	Pass
Band4	3	20175	8	#0	16QAM	20.81	-2.97	17.84	30.00	Pass
Band4	3	20175	8	#Mid	16QAM	21.21	-2.97	18.24	30.00	Pass
Band4	3	20175	8	#Max	16QAM	21.25	-2.97	18.28	30.00	Pass
Band4	3	20175	15	#0	16QAM	21.04	-2.97	18.07	30.00	Pass
Band4	3	20385	1	#0	QPSK	23.06	-2.97	20.09	30.00	Pass
Band4	3	20385	1	#Mid	QPSK	23.04	-2.97	20.07	30.00	Pass
Band4	3	20385	1	#Max	QPSK	22.99	-2.97	20.02	30.00	Pass
Band4	3	20385	8	#0	QPSK	22.41	-2.97	19.44	30.00	Pass
Band4	3	20385	8	#Mid	QPSK	22.33	-2.97	19.36	30.00	Pass
Band4	3	20385	8	#Max	QPSK	22.29	-2.97	19.32	30.00	Pass
Band4	3	20385	15	#0	QPSK	22.43	-2.97	19.46	30.00	Pass
Band4	3	20385	1	#0	16QAM	22.94	-2.97	19.97	30.00	Pass
Band4	3	20385	1	#Mid	16QAM	22.89	-2.97	19.92	30.00	Pass
Band4	3	20385	1	#Max	16QAM	22.91	-2.97	19.94	30.00	Pass
Band4	3	20385	8	#0	16QAM	20.9	-2.97	17.93	30.00	Pass
Band4	3	20385	8	#Mid	16QAM	20.86	-2.97	17.89	30.00	Pass
Band4	3	20385	8	#Max	16QAM	20.91	-2.97	17.94	30.00	Pass
Band4	3	20385	15	#0	16QAM	20.81	-2.97	17.84	30.00	Pass
Band4	5	19975	1	#0	QPSK	22.58	-2.97	19.61	30.00	Pass
Band4	5	19975	1	#Mid	QPSK	22.41	-2.97	19.44	30.00	Pass
Band4	5	19975	1	#Max	QPSK	22.49	-2.97	19.52	30.00	Pass
Band4	5	19975	12	#0	QPSK	22.15	-2.97	19.18	30.00	Pass
Band4	5	19975	12	#Mid	QPSK	22.13	-2.97	19.16	30.00	Pass
Band4	5	19975	12	#Max	QPSK	22.02	-2.97	19.05	30.00	Pass
Band4	5	19975	25	#0	QPSK	22	-2.97	19.03	30.00	Pass
Band4	5	19975	1	#0	16QAM	22.28	-2.97	19.31	30.00	Pass
Band4	5	19975	1	#Mid	16QAM	22.17	-2.97	19.20	30.00	Pass
Band4	5	19975	1	#Max	16QAM	22.27	-2.97	19.30	30.00	Pass
Band4	5	19975	12	#0	16QAM	20.88	-2.97	17.91	30.00	Pass
Band4	5	19975	12	#Mid	16QAM	20.92	-2.97	17.95	30.00	Pass
Band4	5	19975	12	#Max	16QAM	20.83	-2.97	17.86	30.00	Pass
Band4	5	19975	25	#0	16QAM	21.03	-2.97	18.06	30.00	Pass
Band4	5	20175	1	#0	QPSK	22.59	-2.97	19.62	30.00	Pass
Band4	5	20175	1	#Mid	QPSK	22.5	-2.97	19.53	30.00	Pass
Band4	5	20175	1	#Max	QPSK	22.62	-2.97	19.65	30.00	Pass
Band4	5	20175	12	#0	QPSK	22.04	-2.97	19.07	30.00	Pass
Band4	5	20175	12	#Mid	QPSK	22.06	-2.97	19.09	30.00	Pass
Band4	5	20175	12	#Max	QPSK	22.09	-2.97	19.12	30.00	Pass
Band4	5	20175	25	#0	QPSK	22.08	-2.97	19.11	30.00	Pass
Band4	5	20175	1	#0	16QAM	21.65	-2.97	18.68	30.00	Pass
Band4	5	20175	1	#Mid	16QAM	21.84	-2.97	18.87	30.00	Pass
Band4	5	20175	1	#Max	16QAM	21.84	-2.97	18.87	30.00	Pass
Band4	5	20175	12	#0	16QAM	20.47	-2.97	17.50	30.00	Pass
Band4	5	20175	12	#Mid	16QAM	20.88	-2.97	17.91	30.00	Pass
Band4	5	20175	12	#Max	16QAM	20.92	-2.97	17.95	30.00	Pass
Band4	5	20175	25	#0	16QAM	21.04	-2.97	18.07	30.00	Pass
Band4	5	20375	1	#0	QPSK	22.67	-2.97	19.70	30.00	Pass
Band4	5	20375	1	#Mid	QPSK	22.63	-2.97	19.66	30.00	Pass
Band4	5	20375	1	#Max	QPSK	22.71	-2.97	19.74	30.00	Pass
Band4	5	20375	12	#0	QPSK	22.27	-2.97	19.30	30.00	Pass
Band4	5	20375	12	#Mid	QPSK	22.37	-2.97	19.40	30.00	Pass
Band4	5	20375	12	#Max	QPSK	22.37	-2.97	19.40	30.00	Pass
Band4	5	20375	25	#0	QPSK	22.36	-2.97	19.39	30.00	Pass
Band4	5	20375	1	#0	16QAM	22.48	-2.97	19.51	30.00	Pass
Band4	5	20375	1	#Mid	16QAM	22.6	-2.97	19.63	30.00	Pass
Band4	5	20375	1	#Max	16QAM	22.53	-2.97	19.56	30.00	Pass
Band4	5	20375	12	#0	16QAM	20.84	-2.97	17.87	30.00	Pass



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Band4	5	20375	12	#Mid	16QAM	20.94	-2.97	17.97	30.00	Pass
Band4	5	20375	12	#Max	16QAM	20.9	-2.97	17.93	30.00	Pass
Band4	5	20375	25	#0	16QAM	20.88	-2.97	17.91	30.00	Pass
Band4	10	20000	1	#0	QPSK	22.65	-2.97	19.68	30.00	Pass
Band4	10	20000	1	#Mid	QPSK	22.59	-2.97	19.62	30.00	Pass
Band4	10	20000	1	#Max	QPSK	22.64	-2.97	19.67	30.00	Pass
Band4	10	20000	25	#0	QPSK	22	-2.97	19.03	30.00	Pass
Band4	10	20000	25	#Mid	QPSK	22.18	-2.97	19.21	30.00	Pass
Band4	10	20000	25	#Max	QPSK	22.09	-2.97	19.12	30.00	Pass
Band4	10	20000	50	#0	QPSK	22.07	-2.97	19.10	30.00	Pass
Band4	10	20000	1	#0	16QAM	23.23	-2.97	20.26	30.00	Pass
Band4	10	20000	1	#Mid	16QAM	23.23	-2.97	20.26	30.00	Pass
Band4	10	20000	1	#Max	16QAM	23.2	-2.97	20.23	30.00	Pass
Band4	10	20000	25	#0	16QAM	20.85	-2.97	17.88	30.00	Pass
Band4	10	20000	25	#Mid	16QAM	20.86	-2.97	17.89	30.00	Pass
Band4	10	20000	25	#Max	16QAM	20.62	-2.97	17.65	30.00	Pass
Band4	10	20000	50	#0	16QAM	20.95	-2.97	17.98	30.00	Pass
Band4	10	20175	1	#0	QPSK	22.82	-2.97	19.85	30.00	Pass
Band4	10	20175	1	#Mid	QPSK	22.73	-2.97	19.76	30.00	Pass
Band4	10	20175	1	#Max	QPSK	22.76	-2.97	19.79	30.00	Pass
Band4	10	20175	25	#0	QPSK	22.14	-2.97	19.17	30.00	Pass
Band4	10	20175	25	#Mid	QPSK	22.12	-2.97	19.15	30.00	Pass
Band4	10	20175	25	#Max	QPSK	22.12	-2.97	19.15	30.00	Pass
Band4	10	20175	50	#0	QPSK	22.18	-2.97	19.21	30.00	Pass
Band4	10	20175	1	#0	16QAM	22.2	-2.97	19.23	30.00	Pass
Band4	10	20175	1	#Mid	16QAM	22.21	-2.97	19.24	30.00	Pass
Band4	10	20175	1	#Max	16QAM	22.26	-2.97	19.29	30.00	Pass
Band4	10	20175	25	#0	16QAM	20.71	-2.97	17.74	30.00	Pass
Band4	10	20175	25	#Mid	16QAM	21.02	-2.97	18.05	30.00	Pass
Band4	10	20175	25	#Max	16QAM	20.72	-2.97	17.75	30.00	Pass
Band4	10	20175	50	#0	16QAM	21.14	-2.97	18.17	30.00	Pass
Band4	10	20350	1	#0	QPSK	22.88	-2.97	19.91	30.00	Pass
Band4	10	20350	1	#Mid	QPSK	22.93	-2.97	19.96	30.00	Pass
Band4	10	20350	1	#Max	QPSK	22.89	-2.97	19.92	30.00	Pass
Band4	10	20350	25	#0	QPSK	22.3	-2.97	19.33	30.00	Pass
Band4	10	20350	25	#Mid	QPSK	22.38	-2.97	19.41	30.00	Pass
Band4	10	20350	25	#Max	QPSK	22.35	-2.97	19.38	30.00	Pass
Band4	10	20350	50	#0	QPSK	22.33	-2.97	19.36	30.00	Pass
Band4	10	20350	1	#0	16QAM	22.54	-2.97	19.57	30.00	Pass
Band4	10	20350	1	#Mid	16QAM	22.57	-2.97	19.60	30.00	Pass
Band4	10	20350	1	#Max	16QAM	22.64	-2.97	19.67	30.00	Pass
Band4	10	20350	25	#0	16QAM	20.89	-2.97	17.92	30.00	Pass
Band4	10	20350	25	#Mid	16QAM	20.9	-2.97	17.93	30.00	Pass
Band4	10	20350	25	#Max	16QAM	21	-2.97	18.03	30.00	Pass
Band4	10	20350	50	#0	16QAM	20.93	-2.97	17.96	30.00	Pass
Band4	15	20025	1	#0	QPSK	22.66	-2.97	19.69	30.00	Pass
Band4	15	20025	1	#Mid	QPSK	22.72	-2.97	19.75	30.00	Pass
Band4	15	20025	1	#Max	QPSK	22.74	-2.97	19.77	30.00	Pass
Band4	15	20025	36	#0	QPSK	22.11	-2.97	19.14	30.00	Pass
Band4	15	20025	36	#Mid	QPSK	22.12	-2.97	19.15	30.00	Pass
Band4	15	20025	36	#Max	QPSK	22.19	-2.97	19.22	30.00	Pass
Band4	15	20025	75	#0	QPSK	22.14	-2.97	19.17	30.00	Pass
Band4	15	20025	1	#0	16QAM	23.24	-2.97	20.27	30.00	Pass
Band4	15	20025	1	#Mid	16QAM	23.2	-2.97	20.23	30.00	Pass
Band4	15	20025	1	#Max	16QAM	23.31	-2.97	20.34	30.00	Pass
Band4	15	20025	36	#0	16QAM	20.94	-2.97	17.97	30.00	Pass
Band4	15	20025	36	#Mid	16QAM	20.67	-2.97	17.70	30.00	Pass
Band4	15	20025	36	#Max	16QAM	20.69	-2.97	17.72	30.00	Pass
Band4	15	20025	75	#0	16QAM	20.7	-2.97	17.73	30.00	Pass
Band4	15	20175	1	#0	QPSK	22.87	-2.97	19.90	30.00	Pass
Band4	15	20175	1	#Mid	QPSK	22.81	-2.97	19.84	30.00	Pass
Band4	15	20175	1	#Max	QPSK	22.73	-2.97	19.76	30.00	Pass
Band4	15	20175	36	#0	QPSK	22.1	-2.97	19.13	30.00	Pass
Band4	15	20175	36	#Mid	QPSK	22.12	-2.97	19.15	30.00	Pass
Band4	15	20175	36	#Max	QPSK	22.24	-2.97	19.27	30.00	Pass



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Band4	15	20175	75	#0	QPSK	22.15	-2.97	19.18	30.00	Pass
Band4	15	20175	1	#0	16QAM	22.22	-2.97	19.25	30.00	Pass
Band4	15	20175	1	#Mid	16QAM	22.16	-2.97	19.19	30.00	Pass
Band4	15	20175	1	#Max	16QAM	22.36	-2.97	19.39	30.00	Pass
Band4	15	20175	36	#0	16QAM	20.74	-2.97	17.77	30.00	Pass
Band4	15	20175	36	#Mid	16QAM	21.15	-2.97	18.18	30.00	Pass
Band4	15	20175	36	#Max	16QAM	21.08	-2.97	18.11	30.00	Pass
Band4	15	20175	75	#0	16QAM	21.12	-2.97	18.15	30.00	Pass
Band4	15	20325	1	#0	QPSK	23.02	-2.97	20.05	30.00	Pass
Band4	15	20325	1	#Mid	QPSK	22.95	-2.97	19.98	30.00	Pass
Band4	15	20325	1	#Max	QPSK	22.94	-2.97	19.97	30.00	Pass
Band4	15	20325	36	#0	QPSK	22.26	-2.97	19.29	30.00	Pass
Band4	15	20325	36	#Mid	QPSK	22.35	-2.97	19.38	30.00	Pass
Band4	15	20325	36	#Max	QPSK	22.46	-2.97	19.49	30.00	Pass
Band4	15	20325	75	#0	QPSK	22.28	-2.97	19.31	30.00	Pass
Band4	15	20325	1	#0	16QAM	23.12	-2.97	20.15	30.00	Pass
Band4	15	20325	1	#Mid	16QAM	23.04	-2.97	20.07	30.00	Pass
Band4	15	20325	1	#Max	16QAM	23.04	-2.97	20.07	30.00	Pass
Band4	15	20325	36	#0	16QAM	20.92	-2.97	17.95	30.00	Pass
Band4	15	20325	36	#Mid	16QAM	20.91	-2.97	17.94	30.00	Pass
Band4	15	20325	36	#Max	16QAM	20.81	-2.97	17.84	30.00	Pass
Band4	15	20325	75	#0	16QAM	20.94	-2.97	17.97	30.00	Pass
Band4	20	20050	1	#0	QPSK	22.65	-2.97	19.68	30.00	Pass
Band4	20	20050	1	#Mid	QPSK	22.57	-2.97	19.60	30.00	Pass
Band4	20	20050	1	#Max	QPSK	22.49	-2.97	19.52	30.00	Pass
Band4	20	20050	50	#0	QPSK	22.2	-2.97	19.23	30.00	Pass
Band4	20	20050	50	#Mid	QPSK	22.12	-2.97	19.15	30.00	Pass
Band4	20	20050	50	#Max	QPSK	22.15	-2.97	19.18	30.00	Pass
Band4	20	20050	100	#0	QPSK	22.16	-2.97	19.19	30.00	Pass
Band4	20	20050	1	#0	16QAM	21.78	-2.97	18.81	30.00	Pass
Band4	20	20050	1	#Mid	16QAM	21.79	-2.97	18.82	30.00	Pass
Band4	20	20050	1	#Max	16QAM	21.79	-2.97	18.82	30.00	Pass
Band4	20	20050	50	#0	16QAM	21.08	-2.97	18.11	30.00	Pass
Band4	20	20050	50	#Mid	16QAM	21.09	-2.97	18.12	30.00	Pass
Band4	20	20050	50	#Max	16QAM	20.74	-2.97	17.77	30.00	Pass
Band4	20	20050	100	#0	16QAM	21.03	-2.97	18.06	30.00	Pass
Band4	20	20175	1	#0	QPSK	22.76	-2.97	19.79	30.00	Pass
Band4	20	20175	1	#Mid	QPSK	22.72	-2.97	19.75	30.00	Pass
Band4	20	20175	1	#Max	QPSK	22.74	-2.97	19.77	30.00	Pass
Band4	20	20175	50	#0	QPSK	22	-2.97	19.03	30.00	Pass
Band4	20	20175	50	#Mid	QPSK	22.2	-2.97	19.23	30.00	Pass
Band4	20	20175	50	#Max	QPSK	22.22	-2.97	19.25	30.00	Pass
Band4	20	20175	100	#0	QPSK	22.14	-2.97	19.17	30.00	Pass
Band4	20	20175	1	#0	16QAM	22.28	-2.97	19.31	30.00	Pass
Band4	20	20175	1	#Mid	16QAM	22.26	-2.97	19.29	30.00	Pass
Band4	20	20175	1	#Max	16QAM	22.64	-2.97	19.67	30.00	Pass
Band4	20	20175	50	#0	16QAM	20.95	-2.97	17.98	30.00	Pass
Band4	20	20175	50	#Mid	16QAM	20.97	-2.97	18.00	30.00	Pass
Band4	20	20175	50	#Max	16QAM	21.02	-2.97	18.05	30.00	Pass
Band4	20	20175	100	#0	16QAM	21.07	-2.97	18.10	30.00	Pass
Band4	20	20300	1	#0	QPSK	22.88	-2.97	19.91	30.00	Pass
Band4	20	20300	1	#Mid	QPSK	22.88	-2.97	19.91	30.00	Pass
Band4	20	20300	1	#Max	QPSK	22.9	-2.97	19.93	30.00	Pass
Band4	20	20300	50	#0	QPSK	22.27	-2.97	19.30	30.00	Pass
Band4	20	20300	50	#Mid	QPSK	22.34	-2.97	19.37	30.00	Pass
Band4	20	20300	50	#Max	QPSK	22.41	-2.97	19.44	30.00	Pass
Band4	20	20300	100	#0	QPSK	22.38	-2.97	19.41	30.00	Pass
Band4	20	20300	1	#0	16QAM	22.39	-2.97	19.42	30.00	Pass
Band4	20	20300	1	#Mid	16QAM	22.52	-2.97	19.55	30.00	Pass
Band4	20	20300	1	#Max	16QAM	22.63	-2.97	19.66	30.00	Pass
Band4	20	20300	50	#0	16QAM	21.1	-2.97	18.13	30.00	Pass
Band4	20	20300	50	#Mid	16QAM	20.88	-2.97	17.91	30.00	Pass
Band4	20	20300	50	#Max	16QAM	20.84	-2.97	17.87	30.00	Pass
Band4	20	20300	100	#0	16QAM	20.9	-2.97	17.93	30.00	Pass



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For Question,
Please Contact with WSCT
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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Antenna Gain (dBi)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	22.88	-4.42	-6.57	16.31	38.45	Pass
Band5	1.4	20407	1	#Mid	QPSK	22.93	-4.42	-6.57	16.36	38.45	Pass
Band5	1.4	20407	1	#Max	QPSK	22.97	-4.42	-6.57	16.40	38.45	Pass
Band5	1.4	20407	3	#0	QPSK	22.8	-4.42	-6.57	16.23	38.45	Pass
Band5	1.4	20407	3	#Mid	QPSK	22.87	-4.42	-6.57	16.30	38.45	Pass
Band5	1.4	20407	3	#Max	QPSK	22.8	-4.42	-6.57	16.23	38.45	Pass
Band5	1.4	20407	6	#0	QPSK	22.31	-4.42	-6.57	15.74	38.45	Pass
Band5	1.4	20407	1	#0	16QAM	23.2	-4.42	-6.57	16.63	38.45	Pass
Band5	1.4	20407	1	#Mid	16QAM	23.14	-4.42	-6.57	16.57	38.45	Pass
Band5	1.4	20407	1	#Max	16QAM	23.14	-4.42	-6.57	16.57	38.45	Pass
Band5	1.4	20407	3	#0	16QAM	21.96	-4.42	-6.57	15.39	38.45	Pass
Band5	1.4	20407	3	#Mid	16QAM	21.88	-4.42	-6.57	15.31	38.45	Pass
Band5	1.4	20407	3	#Max	16QAM	21.97	-4.42	-6.57	15.40	38.45	Pass
Band5	1.4	20407	6	#0	16QAM	21.43	-4.42	-6.57	14.86	38.45	Pass
Band5	1.4	20525	1	#0	QPSK	22.89	-4.42	-6.57	16.32	38.45	Pass
Band5	1.4	20525	1	#Mid	QPSK	23.02	-4.42	-6.57	16.45	38.45	Pass
Band5	1.4	20525	1	#Max	QPSK	23.05	-4.42	-6.57	16.48	38.45	Pass
Band5	1.4	20525	3	#0	QPSK	23.06	-4.42	-6.57	16.49	38.45	Pass
Band5	1.4	20525	3	#Mid	QPSK	23.09	-4.42	-6.57	16.52	38.45	Pass
Band5	1.4	20525	3	#Max	QPSK	23.1	-4.42	-6.57	16.53	38.45	Pass
Band5	1.4	20525	6	#0	QPSK	22.62	-4.42	-6.57	16.05	38.45	Pass
Band5	1.4	20525	1	#0	16QAM	23.13	-4.42	-6.57	16.56	38.45	Pass
Band5	1.4	20525	1	#Mid	16QAM	23.1	-4.42	-6.57	16.53	38.45	Pass
Band5	1.4	20525	1	#Max	16QAM	23.18	-4.42	-6.57	16.61	38.45	Pass
Band5	1.4	20525	3	#0	16QAM	22.05	-4.42	-6.57	15.48	38.45	Pass
Band5	1.4	20525	3	#Mid	16QAM	21.96	-4.42	-6.57	15.39	38.45	Pass
Band5	1.4	20525	3	#Max	16QAM	22	-4.42	-6.57	15.43	38.45	Pass
Band5	1.4	20525	6	#0	16QAM	20.99	-4.42	-6.57	14.42	38.45	Pass
Band5	1.4	20643	1	#0	QPSK	23.08	-4.42	-6.57	16.51	38.45	Pass
Band5	1.4	20643	1	#Mid	QPSK	23.14	-4.42	-6.57	16.57	38.45	Pass
Band5	1.4	20643	1	#Max	QPSK	23.08	-4.42	-6.57	16.51	38.45	Pass
Band5	1.4	20643	3	#0	QPSK	23.06	-4.42	-6.57	16.49	38.45	Pass
Band5	1.4	20643	3	#Mid	QPSK	23.09	-4.42	-6.57	16.52	38.45	Pass
Band5	1.4	20643	3	#Max	QPSK	23.06	-4.42	-6.57	16.49	38.45	Pass
Band5	1.4	20643	6	#0	QPSK	22.64	-4.42	-6.57	16.07	38.45	Pass
Band5	1.4	20643	1	#0	16QAM	23.48	-4.42	-6.57	16.91	38.45	Pass
Band5	1.4	20643	1	#Mid	16QAM	23.48	-4.42	-6.57	16.91	38.45	Pass
Band5	1.4	20643	1	#Max	16QAM	23.42	-4.42	-6.57	16.85	38.45	Pass
Band5	1.4	20643	3	#0	16QAM	22.36	-4.42	-6.57	15.79	38.45	Pass
Band5	1.4	20643	3	#Mid	16QAM	22.38	-4.42	-6.57	15.81	38.45	Pass
Band5	1.4	20643	3	#Max	16QAM	22.42	-4.42	-6.57	15.85	38.45	Pass
Band5	1.4	20643	6	#0	16QAM	21.23	-4.42	-6.57	14.66	38.45	Pass
Band5	3	20415	1	#0	QPSK	22.75	-4.42	-6.57	16.18	38.45	Pass
Band5	3	20415	1	#Mid	QPSK	22.79	-4.42	-6.57	16.22	38.45	Pass
Band5	3	20415	1	#Max	QPSK	22.73	-4.42	-6.57	16.16	38.45	Pass
Band5	3	20415	8	#0	QPSK	22.31	-4.42	-6.57	15.74	38.45	Pass
Band5	3	20415	8	#Mid	QPSK	22.32	-4.42	-6.57	15.75	38.45	Pass
Band5	3	20415	8	#Max	QPSK	22.25	-4.42	-6.57	15.68	38.45	Pass
Band5	3	20415	15	#0	QPSK	22.27	-4.42	-6.57	15.70	38.45	Pass
Band5	3	20415	1	#0	16QAM	23.15	-4.42	-6.57	16.58	38.45	Pass
Band5	3	20415	1	#Mid	16QAM	23.1	-4.42	-6.57	16.53	38.45	Pass
Band5	3	20415	1	#Max	16QAM	23.08	-4.42	-6.57	16.51	38.45	Pass
Band5	3	20415	8	#0	16QAM	21.15	-4.42	-6.57	14.58	38.45	Pass
Band5	3	20415	8	#Mid	16QAM	21.16	-4.42	-6.57	14.59	38.45	Pass
Band5	3	20415	8	#Max	16QAM	20.64	-4.42	-6.57	14.07	38.45	Pass
Band5	3	20415	15	#0	16QAM	21.32	-4.42	-6.57	14.75	38.45	Pass
Band5	3	20525	1	#0	QPSK	22.88	-4.42	-6.57	16.31	38.45	Pass
Band5	3	20525	1	#Mid	QPSK	23	-4.42	-6.57	16.43	38.45	Pass



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Band5	3	20525	1	#Max	QPSK	23.09	-4.42	-6.57	16.52	38.45	Pass
Band5	3	20525	8	#0	QPSK	22.46	-4.42	-6.57	15.89	38.45	Pass
Band5	3	20525	8	#Mid	QPSK	22.46	-4.42	-6.57	15.89	38.45	Pass
Band5	3	20525	8	#Max	QPSK	22.6	-4.42	-6.57	16.03	38.45	Pass
Band5	3	20525	15	#0	QPSK	22.66	-4.42	-6.57	16.09	38.45	Pass
Band5	3	20525	1	#0	16QAM	23.09	-4.42	-6.57	16.52	38.45	Pass
Band5	3	20525	1	#Mid	16QAM	23.08	-4.42	-6.57	16.51	38.45	Pass
Band5	3	20525	1	#Max	16QAM	23.1	-4.42	-6.57	16.53	38.45	Pass
Band5	3	20525	8	#0	16QAM	21.61	-4.42	-6.57	15.04	38.45	Pass
Band5	3	20525	8	#Mid	16QAM	21.18	-4.42	-6.57	14.61	38.45	Pass
Band5	3	20525	8	#Max	16QAM	21.22	-4.42	-6.57	14.65	38.45	Pass
Band5	3	20525	15	#0	16QAM	21.08	-4.42	-6.57	14.51	38.45	Pass
Band5	3	20635	1	#0	QPSK	23.09	-4.42	-6.57	16.52	38.45	Pass
Band5	3	20635	1	#Mid	QPSK	23.08	-4.42	-6.57	16.51	38.45	Pass
Band5	3	20635	1	#Max	QPSK	23.11	-4.42	-6.57	16.54	38.45	Pass
Band5	3	20635	8	#0	QPSK	22.55	-4.42	-6.57	15.98	38.45	Pass
Band5	3	20635	8	#Mid	QPSK	22.51	-4.42	-6.57	15.94	38.45	Pass
Band5	3	20635	8	#Max	QPSK	22.6	-4.42	-6.57	16.03	38.45	Pass
Band5	3	20635	15	#0	QPSK	22.54	-4.42	-6.57	15.97	38.45	Pass
Band5	3	20635	1	#0	16QAM	23.44	-4.42	-6.57	16.87	38.45	Pass
Band5	3	20635	1	#Mid	16QAM	23.43	-4.42	-6.57	16.86	38.45	Pass
Band5	3	20635	1	#Max	16QAM	23.4	-4.42	-6.57	16.83	38.45	Pass
Band5	3	20635	8	#0	16QAM	21.46	-4.42	-6.57	14.89	38.45	Pass
Band5	3	20635	8	#Mid	16QAM	21.45	-4.42	-6.57	14.88	38.45	Pass
Band5	3	20635	8	#Max	16QAM	21.02	-4.42	-6.57	14.45	38.45	Pass
Band5	3	20635	15	#0	16QAM	21.5	-4.42	-6.57	14.93	38.45	Pass
Band5	5	20425	1	#0	QPSK	22.72	-4.42	-6.57	16.15	38.45	Pass
Band5	5	20425	1	#Mid	QPSK	22.69	-4.42	-6.57	16.12	38.45	Pass
Band5	5	20425	1	#Max	QPSK	22.81	-4.42	-6.57	16.24	38.45	Pass
Band5	5	20425	12	#0	QPSK	22.37	-4.42	-6.57	15.80	38.45	Pass
Band5	5	20425	12	#Mid	QPSK	22.18	-4.42	-6.57	15.61	38.45	Pass
Band5	5	20425	12	#Max	QPSK	22.4	-4.42	-6.57	15.83	38.45	Pass
Band5	5	20425	25	#0	QPSK	22.33	-4.42	-6.57	15.76	38.45	Pass
Band5	5	20425	1	#0	16QAM	22.31	-4.42	-6.57	15.74	38.45	Pass
Band5	5	20425	1	#Mid	16QAM	22.32	-4.42	-6.57	15.75	38.45	Pass
Band5	5	20425	1	#Max	16QAM	22.47	-4.42	-6.57	15.90	38.45	Pass
Band5	5	20425	12	#0	16QAM	21.19	-4.42	-6.57	14.62	38.45	Pass
Band5	5	20425	12	#Mid	16QAM	20.67	-4.42	-6.57	14.10	38.45	Pass
Band5	5	20425	12	#Max	16QAM	20.63	-4.42	-6.57	14.06	38.45	Pass
Band5	5	20425	25	#0	16QAM	20.83	-4.42	-6.57	14.26	38.45	Pass
Band5	5	20525	1	#0	QPSK	22.85	-4.42	-6.57	16.28	38.45	Pass
Band5	5	20525	1	#Mid	QPSK	23	-4.42	-6.57	16.43	38.45	Pass
Band5	5	20525	1	#Max	QPSK	23.04	-4.42	-6.57	16.47	38.45	Pass
Band5	5	20525	12	#0	QPSK	22.39	-4.42	-6.57	15.82	38.45	Pass
Band5	5	20525	12	#Mid	QPSK	22.46	-4.42	-6.57	15.89	38.45	Pass
Band5	5	20525	12	#Max	QPSK	22.62	-4.42	-6.57	16.05	38.45	Pass
Band5	5	20525	25	#0	QPSK	22.58	-4.42	-6.57	16.01	38.45	Pass
Band5	5	20525	1	#0	16QAM	22.05	-4.42	-6.57	15.48	38.45	Pass
Band5	5	20525	1	#Mid	16QAM	22.19	-4.42	-6.57	15.62	38.45	Pass
Band5	5	20525	1	#Max	16QAM	22.21	-4.42	-6.57	15.64	38.45	Pass
Band5	5	20525	12	#0	16QAM	21.29	-4.42	-6.57	14.72	38.45	Pass
Band5	5	20525	12	#Mid	16QAM	20.89	-4.42	-6.57	14.32	38.45	Pass
Band5	5	20525	12	#Max	16QAM	20.87	-4.42	-6.57	14.30	38.45	Pass
Band5	5	20525	25	#0	16QAM	21.16	-4.42	-6.57	14.59	38.45	Pass
Band5	5	20625	1	#0	QPSK	22.99	-4.42	-6.57	16.42	38.45	Pass
Band5	5	20625	1	#Mid	QPSK	22.98	-4.42	-6.57	16.41	38.45	Pass
Band5	5	20625	1	#Max	QPSK	22.98	-4.42	-6.57	16.41	38.45	Pass
Band5	5	20625	12	#0	QPSK	22.61	-4.42	-6.57	16.04	38.45	Pass
Band5	5	20625	12	#Mid	QPSK	22.48	-4.42	-6.57	15.91	38.45	Pass
Band5	5	20625	12	#Max	QPSK	22.6	-4.42	-6.57	16.03	38.45	Pass
Band5	5	20625	25	#0	QPSK	22.69	-4.42	-6.57	16.12	38.45	Pass
Band5	5	20625	1	#0	16QAM	22.71	-4.42	-6.57	16.14	38.45	Pass
Band5	5	20625	1	#Mid	16QAM	22.54	-4.42	-6.57	15.97	38.45	Pass
Band5	5	20625	1	#Max	16QAM	22.56	-4.42	-6.57	15.99	38.45	Pass
Band5	5	20625	12	#0	16QAM	21.43	-4.42	-6.57	14.86	38.45	Pass



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Band5	5	20625	12	#Mid	16QAM	21.46	-4.42	-6.57	14.89	38.45	Pass
Band5	5	20625	12	#Max	16QAM	21.43	-4.42	-6.57	14.86	38.45	Pass
Band5	5	20625	25	#0	16QAM	21.43	-4.42	-6.57	14.86	38.45	Pass
Band5	10	20450	1	#0	QPSK	22.77	-4.42	-6.57	16.20	38.45	Pass
Band5	10	20450	1	#Mid	QPSK	22.78	-4.42	-6.57	16.21	38.45	Pass
Band5	10	20450	1	#Max	QPSK	22.99	-4.42	-6.57	16.42	38.45	Pass
Band5	10	20450	25	#0	QPSK	22.24	-4.42	-6.57	15.67	38.45	Pass
Band5	10	20450	25	#Mid	QPSK	22.38	-4.42	-6.57	15.81	38.45	Pass
Band5	10	20450	25	#Max	QPSK	22.59	-4.42	-6.57	16.02	38.45	Pass
Band5	10	20450	50	#0	QPSK	22.44	-4.42	-6.57	15.87	38.45	Pass
Band5	10	20450	1	#0	16QAM	23.19	-4.42	-6.57	16.62	38.45	Pass
Band5	10	20450	1	#Mid	16QAM	23.36	-4.42	-6.57	16.79	38.45	Pass
Band5	10	20450	1	#Max	16QAM	23.79	-4.42	-6.57	17.22	38.45	Pass
Band5	10	20450	25	#0	16QAM	20.69	-4.42	-6.57	14.12	38.45	Pass
Band5	10	20450	25	#Mid	16QAM	20.75	-4.42	-6.57	14.18	38.45	Pass
Band5	10	20450	25	#Max	16QAM	20.82	-4.42	-6.57	14.25	38.45	Pass
Band5	10	20450	50	#0	16QAM	20.76	-4.42	-6.57	14.19	38.45	Pass
Band5	10	20525	1	#0	QPSK	23.02	-4.42	-6.57	16.45	38.45	Pass
Band5	10	20525	1	#Mid	QPSK	23.21	-4.42	-6.57	16.64	38.45	Pass
Band5	10	20525	1	#Max	QPSK	23.29	-4.42	-6.57	16.72	38.45	Pass
Band5	10	20525	25	#0	QPSK	22.38	-4.42	-6.57	15.81	38.45	Pass
Band5	10	20525	25	#Mid	QPSK	22.52	-4.42	-6.57	15.95	38.45	Pass
Band5	10	20525	25	#Max	QPSK	22.57	-4.42	-6.57	16.00	38.45	Pass
Band5	10	20525	50	#0	QPSK	22.54	-4.42	-6.57	15.97	38.45	Pass
Band5	10	20525	1	#0	16QAM	22.4	-4.42	-6.57	15.83	38.45	Pass
Band5	10	20525	1	#Mid	16QAM	22.44	-4.42	-6.57	15.87	38.45	Pass
Band5	10	20525	1	#Max	16QAM	22.55	-4.42	-6.57	15.98	38.45	Pass
Band5	10	20525	25	#0	16QAM	21.36	-4.42	-6.57	14.79	38.45	Pass
Band5	10	20525	25	#Mid	16QAM	21.03	-4.42	-6.57	14.46	38.45	Pass
Band5	10	20525	25	#Max	16QAM	21.18	-4.42	-6.57	14.61	38.45	Pass
Band5	10	20525	50	#0	16QAM	21.06	-4.42	-6.57	14.49	38.45	Pass
Band5	10	20600	1	#0	QPSK	23.03	-4.42	-6.57	16.46	38.45	Pass
Band5	10	20600	1	#Mid	QPSK	23.05	-4.42	-6.57	16.48	38.45	Pass
Band5	10	20600	1	#Max	QPSK	23.14	-4.42	-6.57	16.57	38.45	Pass
Band5	10	20600	25	#0	QPSK	22.6	-4.42	-6.57	16.03	38.45	Pass
Band5	10	20600	25	#Mid	QPSK	22.5	-4.42	-6.57	15.93	38.45	Pass
Band5	10	20600	25	#Max	QPSK	22.48	-4.42	-6.57	15.91	38.45	Pass
Band5	10	20600	50	#0	QPSK	22.54	-4.42	-6.57	15.97	38.45	Pass
Band5	10	20600	1	#0	16QAM	22.46	-4.42	-6.57	15.89	38.45	Pass
Band5	10	20600	1	#Mid	16QAM	22.55	-4.42	-6.57	15.98	38.45	Pass
Band5	10	20600	1	#Max	16QAM	22.48	-4.42	-6.57	15.91	38.45	Pass
Band5	10	20600	25	#0	16QAM	21.48	-4.42	-6.57	14.91	38.45	Pass
Band5	10	20600	25	#Mid	16QAM	21.08	-4.42	-6.57	14.51	38.45	Pass
Band5	10	20600	25	#Max	16QAM	21.5	-4.42	-6.57	14.93	38.45	Pass
Band5	10	20600	50	#0	16QAM	21.11	-4.42	-6.57	14.54	38.45	Pass

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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	22.07	-1.18	20.89	33.01	Pass
Band7	5	20775	1	#Mid	QPSK	22.02	-1.18	20.84	33.01	Pass
Band7	5	20775	1	#Max	QPSK	22.14	-1.18	20.96	33.01	Pass
Band7	5	20775	12	#0	QPSK	21.61	-1.18	20.43	33.01	Pass
Band7	5	20775	12	#Mid	QPSK	21.57	-1.18	20.39	33.01	Pass
Band7	5	20775	12	#Max	QPSK	21.71	-1.18	20.53	33.01	Pass
Band7	5	20775	25	#0	QPSK	21.63	-1.18	20.45	33.01	Pass
Band7	5	20775	1	#0	16QAM	21.66	-1.18	20.48	33.01	Pass
Band7	5	20775	1	#Mid	16QAM	21.72	-1.18	20.54	33.01	Pass
Band7	5	20775	1	#Max	16QAM	21.77	-1.18	20.59	33.01	Pass
Band7	5	20775	12	#0	16QAM	19.96	-1.18	18.78	33.01	Pass
Band7	5	20775	12	#Mid	16QAM	20.09	-1.18	18.91	33.01	Pass
Band7	5	20775	12	#Max	16QAM	20	-1.18	18.82	33.01	Pass
Band7	5	20775	25	#0	16QAM	20.32	-1.18	19.14	33.01	Pass
Band7	5	21100	1	#0	QPSK	21.61	-1.18	20.43	33.01	Pass
Band7	5	21100	1	#Mid	QPSK	21.66	-1.18	20.48	33.01	Pass
Band7	5	21100	1	#Max	QPSK	21.69	-1.18	20.51	33.01	Pass
Band7	5	21100	12	#0	QPSK	21.14	-1.18	19.96	33.01	Pass
Band7	5	21100	12	#Mid	QPSK	21.31	-1.18	20.13	33.01	Pass
Band7	5	21100	12	#Max	QPSK	21.21	-1.18	20.03	33.01	Pass
Band7	5	21100	25	#0	QPSK	21.22	-1.18	20.04	33.01	Pass
Band7	5	21100	1	#0	16QAM	20.95	-1.18	19.77	33.01	Pass
Band7	5	21100	1	#Mid	16QAM	20.93	-1.18	19.75	33.01	Pass
Band7	5	21100	1	#Max	16QAM	20.98	-1.18	19.80	33.01	Pass
Band7	5	21100	12	#0	16QAM	19.71	-1.18	18.53	33.01	Pass
Band7	5	21100	12	#Mid	16QAM	19.66	-1.18	18.48	33.01	Pass
Band7	5	21100	12	#Max	16QAM	19.67	-1.18	18.49	33.01	Pass
Band7	5	21100	25	#0	16QAM	19.85	-1.18	18.67	33.01	Pass
Band7	5	21425	1	#0	QPSK	21.48	-1.18	20.30	33.01	Pass
Band7	5	21425	1	#Mid	QPSK	21.6	-1.18	20.42	33.01	Pass
Band7	5	21425	1	#Max	QPSK	21.59	-1.18	20.41	33.01	Pass
Band7	5	21425	12	#0	QPSK	21.1	-1.18	19.92	33.01	Pass
Band7	5	21425	12	#Mid	QPSK	21.09	-1.18	19.91	33.01	Pass
Band7	5	21425	12	#Max	QPSK	21.19	-1.18	20.01	33.01	Pass
Band7	5	21425	25	#0	QPSK	21.19	-1.18	20.01	33.01	Pass
Band7	5	21425	1	#0	16QAM	21.21	-1.18	20.03	33.01	Pass
Band7	5	21425	1	#Mid	16QAM	21.23	-1.18	20.05	33.01	Pass
Band7	5	21425	1	#Max	16QAM	21.25	-1.18	20.07	33.01	Pass
Band7	5	21425	12	#0	16QAM	19.72	-1.18	18.54	33.01	Pass
Band7	5	21425	12	#Mid	16QAM	19.7	-1.18	18.52	33.01	Pass
Band7	5	21425	12	#Max	16QAM	19.65	-1.18	18.47	33.01	Pass
Band7	5	21425	25	#0	16QAM	19.68	-1.18	18.50	33.01	Pass
Band7	10	20800	1	#0	QPSK	22.12	-1.18	20.94	33.01	Pass
Band7	10	20800	1	#Mid	QPSK	22.05	-1.18	20.87	33.01	Pass
Band7	10	20800	1	#Max	QPSK	22.19	-1.18	21.01	33.01	Pass
Band7	10	20800	25	#0	QPSK	21.6	-1.18	20.42	33.01	Pass
Band7	10	20800	25	#Mid	QPSK	21.67	-1.18	20.49	33.01	Pass
Band7	10	20800	25	#Max	QPSK	21.81	-1.18	20.63	33.01	Pass
Band7	10	20800	50	#0	QPSK	21.69	-1.18	20.51	33.01	Pass
Band7	10	20800	1	#0	16QAM	22.75	-1.18	21.57	33.01	Pass
Band7	10	20800	1	#Mid	16QAM	22.82	-1.18	21.64	33.01	Pass
Band7	10	20800	1	#Max	16QAM	22.92	-1.18	21.74	33.01	Pass
Band7	10	20800	25	#0	16QAM	20.09	-1.18	18.91	33.01	Pass
Band7	10	20800	25	#Mid	16QAM	20.2	-1.18	19.02	33.01	Pass
Band7	10	20800	25	#Max	16QAM	20.18	-1.18	19.00	33.01	Pass
Band7	10	20800	50	#0	16QAM	20.23	-1.18	19.05	33.01	Pass
Band7	10	21100	1	#0	QPSK	21.88	-1.18	20.70	33.01	Pass
Band7	10	21100	1	#Mid	QPSK	21.85	-1.18	20.67	33.01	Pass



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Band7	10	21100	1	#Max	QPSK	21.88	-1.18	20.70	33.01	Pass
Band7	10	21100	25	#0	QPSK	21.15	-1.18	19.97	33.01	Pass
Band7	10	21100	25	#Mid	QPSK	21.29	-1.18	20.11	33.01	Pass
Band7	10	21100	25	#Max	QPSK	21.23	-1.18	20.05	33.01	Pass
Band7	10	21100	50	#0	QPSK	21.19	-1.18	20.01	33.01	Pass
Band7	10	21100	1	#0	16QAM	21.29	-1.18	20.11	33.01	Pass
Band7	10	21100	1	#Mid	16QAM	21.29	-1.18	20.11	33.01	Pass
Band7	10	21100	1	#Max	16QAM	21.42	-1.18	20.24	33.01	Pass
Band7	10	21100	25	#0	16QAM	19.89	-1.18	18.71	33.01	Pass
Band7	10	21100	25	#Mid	16QAM	19.87	-1.18	18.69	33.01	Pass
Band7	10	21100	25	#Max	16QAM	19.93	-1.18	18.75	33.01	Pass
Band7	10	21100	50	#0	16QAM	19.95	-1.18	18.77	33.01	Pass
Band7	10	21400	1	#0	QPSK	21.77	-1.18	20.59	33.01	Pass
Band7	10	21400	1	#Mid	QPSK	21.69	-1.18	20.51	33.01	Pass
Band7	10	21400	1	#Max	QPSK	21.7	-1.18	20.52	33.01	Pass
Band7	10	21400	25	#0	QPSK	21.26	-1.18	20.08	33.01	Pass
Band7	10	21400	25	#Mid	QPSK	21.21	-1.18	20.03	33.01	Pass
Band7	10	21400	25	#Max	QPSK	21.21	-1.18	20.03	33.01	Pass
Band7	10	21400	50	#0	QPSK	21.15	-1.18	19.97	33.01	Pass
Band7	10	21400	1	#0	16QAM	21.35	-1.18	20.17	33.01	Pass
Band7	10	21400	1	#Mid	16QAM	21.23	-1.18	20.05	33.01	Pass
Band7	10	21400	1	#Max	16QAM	21.24	-1.18	20.06	33.01	Pass
Band7	10	21400	25	#0	16QAM	20.34	-1.18	19.16	33.01	Pass
Band7	10	21400	25	#Mid	16QAM	19.77	-1.18	18.59	33.01	Pass
Band7	10	21400	25	#Max	16QAM	19.81	-1.18	18.63	33.01	Pass
Band7	10	21400	50	#0	16QAM	19.74	-1.18	18.56	33.01	Pass
Band7	15	20825	1	#0	QPSK	22	-1.18	20.82	33.01	Pass
Band7	15	20825	1	#Mid	QPSK	22.12	-1.18	20.94	33.01	Pass
Band7	15	20825	1	#Max	QPSK	22.24	-1.18	21.06	33.01	Pass
Band7	15	20825	36	#0	QPSK	21.72	-1.18	20.54	33.01	Pass
Band7	15	20825	36	#Mid	QPSK	21.73	-1.18	20.55	33.01	Pass
Band7	15	20825	36	#Max	QPSK	21.82	-1.18	20.64	33.01	Pass
Band7	15	20825	75	#0	QPSK	21.81	-1.18	20.63	33.01	Pass
Band7	15	20825	1	#0	16QAM	22.76	-1.18	21.58	33.01	Pass
Band7	15	20825	1	#Mid	16QAM	22.88	-1.18	21.70	33.01	Pass
Band7	15	20825	1	#Max	16QAM	22.99	-1.18	21.81	33.01	Pass
Band7	15	20825	36	#0	16QAM	20.31	-1.18	19.13	33.01	Pass
Band7	15	20825	36	#Mid	16QAM	20.35	-1.18	19.17	33.01	Pass
Band7	15	20825	36	#Max	16QAM	20.33	-1.18	19.15	33.01	Pass
Band7	15	20825	75	#0	16QAM	20.3	-1.18	19.12	33.01	Pass
Band7	15	21100	1	#0	QPSK	21.98	-1.18	20.80	33.01	Pass
Band7	15	21100	1	#Mid	QPSK	21.81	-1.18	20.63	33.01	Pass
Band7	15	21100	1	#Max	QPSK	21.92	-1.18	20.74	33.01	Pass
Band7	15	21100	36	#0	QPSK	21.28	-1.18	20.10	33.01	Pass
Band7	15	21100	36	#Mid	QPSK	21.26	-1.18	20.08	33.01	Pass
Band7	15	21100	36	#Max	QPSK	21.36	-1.18	20.18	33.01	Pass
Band7	15	21100	75	#0	QPSK	21.26	-1.18	20.08	33.01	Pass
Band7	15	21100	1	#0	16QAM	21.48	-1.18	20.30	33.01	Pass
Band7	15	21100	1	#Mid	16QAM	21.29	-1.18	20.11	33.01	Pass
Band7	15	21100	1	#Max	16QAM	21.46	-1.18	20.28	33.01	Pass
Band7	15	21100	36	#0	16QAM	19.96	-1.18	18.78	33.01	Pass
Band7	15	21100	36	#Mid	16QAM	19.95	-1.18	18.77	33.01	Pass
Band7	15	21100	36	#Max	16QAM	20.03	-1.18	18.85	33.01	Pass
Band7	15	21100	75	#0	16QAM	19.83	-1.18	18.65	33.01	Pass
Band7	15	21375	1	#0	QPSK	21.91	-1.18	20.73	33.01	Pass
Band7	15	21375	1	#Mid	QPSK	21.71	-1.18	20.53	33.01	Pass
Band7	15	21375	1	#Max	QPSK	21.67	-1.18	20.49	33.01	Pass
Band7	15	21375	36	#0	QPSK	21.3	-1.18	20.12	33.01	Pass
Band7	15	21375	36	#Mid	QPSK	21.25	-1.18	20.07	33.01	Pass
Band7	15	21375	36	#Max	QPSK	21.11	-1.18	19.93	33.01	Pass
Band7	15	21375	75	#0	QPSK	21.24	-1.18	20.06	33.01	Pass
Band7	15	21375	1	#0	16QAM	22.28	-1.18	21.10	33.01	Pass
Band7	15	21375	1	#Mid	16QAM	22.08	-1.18	20.90	33.01	Pass
Band7	15	21375	1	#Max	16QAM	22.01	-1.18	20.83	33.01	Pass
Band7	15	21375	36	#0	16QAM	19.97	-1.18	18.79	33.01	Pass



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Band7	15	21375	36	#Mid	16QAM	20.26	-1.18	19.08	33.01	Pass
Band7	15	21375	36	#Max	16QAM	19.84	-1.18	18.66	33.01	Pass
Band7	15	21375	75	#0	16QAM	20.34	-1.18	19.16	33.01	Pass
Band7	20	20850	1	#0	QPSK	21.96	-1.18	20.78	33.01	Pass
Band7	20	20850	1	#Mid	QPSK	22.1	-1.18	20.92	33.01	Pass
Band7	20	20850	1	#Max	QPSK	22.06	-1.18	20.88	33.01	Pass
Band7	20	20850	50	#0	QPSK	21.8	-1.18	20.62	33.01	Pass
Band7	20	20850	50	#Mid	QPSK	21.8	-1.18	20.62	33.01	Pass
Band7	20	20850	50	#Max	QPSK	21.81	-1.18	20.63	33.01	Pass
Band7	20	20850	100	#0	QPSK	21.75	-1.18	20.57	33.01	Pass
Band7	20	20850	1	#0	16QAM	21.34	-1.18	20.16	33.01	Pass
Band7	20	20850	1	#Mid	16QAM	21.49	-1.18	20.31	33.01	Pass
Band7	20	20850	1	#Max	16QAM	21.53	-1.18	20.35	33.01	Pass
Band7	20	20850	50	#0	16QAM	20.36	-1.18	19.18	33.01	Pass
Band7	20	20850	50	#Mid	16QAM	20.47	-1.18	19.29	33.01	Pass
Band7	20	20850	50	#Max	16QAM	20.57	-1.18	19.39	33.01	Pass
Band7	20	20850	100	#0	16QAM	20.36	-1.18	19.18	33.01	Pass
Band7	20	21100	1	#0	QPSK	21.96	-1.18	20.78	33.01	Pass
Band7	20	21100	1	#Mid	QPSK	21.83	-1.18	20.65	33.01	Pass
Band7	20	21100	1	#Max	QPSK	22.06	-1.18	20.88	33.01	Pass
Band7	20	21100	50	#0	QPSK	21.41	-1.18	20.23	33.01	Pass
Band7	20	21100	50	#Mid	QPSK	21.35	-1.18	20.17	33.01	Pass
Band7	20	21100	50	#Max	QPSK	21.25	-1.18	20.07	33.01	Pass
Band7	20	21100	100	#0	QPSK	21.32	-1.18	20.14	33.01	Pass
Band7	20	21100	1	#0	16QAM	21.64	-1.18	20.46	33.01	Pass
Band7	20	21100	1	#Mid	16QAM	21.45	-1.18	20.27	33.01	Pass
Band7	20	21100	1	#Max	16QAM	21.66	-1.18	20.48	33.01	Pass
Band7	20	21100	50	#0	16QAM	19.78	-1.18	18.60	33.01	Pass
Band7	20	21100	50	#Mid	16QAM	19.86	-1.18	18.68	33.01	Pass
Band7	20	21100	50	#Max	16QAM	19.95	-1.18	18.77	33.01	Pass
Band7	20	21100	100	#0	16QAM	19.89	-1.18	18.71	33.01	Pass
Band7	20	21350	1	#0	QPSK	22.26	-1.18	21.08	33.01	Pass
Band7	20	21350	1	#Mid	QPSK	22.03	-1.18	20.85	33.01	Pass
Band7	20	21350	1	#Max	QPSK	21.91	-1.18	20.73	33.01	Pass
Band7	20	21350	50	#0	QPSK	21.46	-1.18	20.28	33.01	Pass
Band7	20	21350	50	#Mid	QPSK	21.35	-1.18	20.17	33.01	Pass
Band7	20	21350	50	#Max	QPSK	21.24	-1.18	20.06	33.01	Pass
Band7	20	21350	100	#0	QPSK	21.45	-1.18	20.27	33.01	Pass
Band7	20	21350	1	#0	16QAM	21.51	-1.18	20.33	33.01	Pass
Band7	20	21350	1	#Mid	16QAM	21.27	-1.18	20.09	33.01	Pass
Band7	20	21350	1	#Max	16QAM	21.12	-1.18	19.94	33.01	Pass
Band7	20	21350	50	#0	16QAM	20.07	-1.18	18.89	33.01	Pass
Band7	20	21350	50	#Mid	16QAM	20.01	-1.18	18.83	33.01	Pass
Band7	20	21350	50	#Max	16QAM	19.81	-1.18	18.63	33.01	Pass
Band7	20	21350	100	#0	16QAM	19.98	-1.18	18.80	33.01	Pass

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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.92	-5.53	-7.68	15.24	34.77	Pass
Band12	1.4	23017	1	#Mid	QPSK	22.99	-5.53	-7.68	15.31	34.77	Pass
Band12	1.4	23017	1	#Max	QPSK	22.99	-5.53	-7.68	15.31	34.77	Pass
Band12	1.4	23017	3	#0	QPSK	22.84	-5.53	-7.68	15.16	34.77	Pass
Band12	1.4	23017	3	#Mid	QPSK	22.9	-5.53	-7.68	15.22	34.77	Pass
Band12	1.4	23017	3	#Max	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band12	1.4	23017	6	#0	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band12	1.4	23017	1	#0	16QAM	23.24	-5.53	-7.68	15.56	34.77	Pass
Band12	1.4	23017	1	#Mid	16QAM	23.36	-5.53	-7.68	15.68	34.77	Pass
Band12	1.4	23017	1	#Max	16QAM	23.32	-5.53	-7.68	15.64	34.77	Pass
Band12	1.4	23017	3	#0	16QAM	22.14	-5.53	-7.68	14.46	34.77	Pass
Band12	1.4	23017	3	#Mid	16QAM	22.08	-5.53	-7.68	14.40	34.77	Pass
Band12	1.4	23017	3	#Max	16QAM	22.03	-5.53	-7.68	14.35	34.77	Pass
Band12	1.4	23017	6	#0	16QAM	21	-5.53	-7.68	13.32	34.77	Pass
Band12	1.4	23095	1	#0	QPSK	22.9	-5.53	-7.68	15.22	34.77	Pass
Band12	1.4	23095	1	#Mid	QPSK	23.25	-5.53	-7.68	15.57	34.77	Pass
Band12	1.4	23095	1	#Max	QPSK	23.26	-5.53	-7.68	15.58	34.77	Pass
Band12	1.4	23095	3	#0	QPSK	23.36	-5.53	-7.68	15.68	34.77	Pass
Band12	1.4	23095	3	#Mid	QPSK	23.33	-5.53	-7.68	15.65	34.77	Pass
Band12	1.4	23095	3	#Max	QPSK	23.28	-5.53	-7.68	15.60	34.77	Pass
Band12	1.4	23095	6	#0	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band12	1.4	23095	1	#0	16QAM	23.14	-5.53	-7.68	15.46	34.77	Pass
Band12	1.4	23095	1	#Mid	16QAM	23.47	-5.53	-7.68	15.79	34.77	Pass
Band12	1.4	23095	1	#Max	16QAM	23.48	-5.53	-7.68	15.80	34.77	Pass
Band12	1.4	23095	3	#0	16QAM	22.41	-5.53	-7.68	14.73	34.77	Pass
Band12	1.4	23095	3	#Mid	16QAM	22.4	-5.53	-7.68	14.72	34.77	Pass
Band12	1.4	23095	3	#Max	16QAM	22.36	-5.53	-7.68	14.68	34.77	Pass
Band12	1.4	23095	6	#0	16QAM	21.27	-5.53	-7.68	13.59	34.77	Pass
Band12	1.4	23173	1	#0	QPSK	22.74	-5.53	-7.68	15.06	34.77	Pass
Band12	1.4	23173	1	#Mid	QPSK	22.96	-5.53	-7.68	15.28	34.77	Pass
Band12	1.4	23173	1	#Max	QPSK	22.94	-5.53	-7.68	15.26	34.77	Pass
Band12	1.4	23173	3	#0	QPSK	22.77	-5.53	-7.68	15.09	34.77	Pass
Band12	1.4	23173	3	#Mid	QPSK	22.86	-5.53	-7.68	15.18	34.77	Pass
Band12	1.4	23173	3	#Max	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band12	1.4	23173	6	#0	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band12	1.4	23173	1	#0	16QAM	23.21	-5.53	-7.68	15.53	34.77	Pass
Band12	1.4	23173	1	#Mid	16QAM	23.31	-5.53	-7.68	15.63	34.77	Pass
Band12	1.4	23173	1	#Max	16QAM	23.2	-5.53	-7.68	15.52	34.77	Pass
Band12	1.4	23173	3	#0	16QAM	22.28	-5.53	-7.68	14.60	34.77	Pass
Band12	1.4	23173	3	#Mid	16QAM	22.35	-5.53	-7.68	14.67	34.77	Pass
Band12	1.4	23173	3	#Max	16QAM	22.26	-5.53	-7.68	14.58	34.77	Pass
Band12	1.4	23173	6	#0	16QAM	21.41	-5.53	-7.68	13.73	34.77	Pass
Band12	3	23025	1	#0	QPSK	22.74	-5.53	-7.68	15.06	34.77	Pass
Band12	3	23025	1	#Mid	QPSK	22.79	-5.53	-7.68	15.11	34.77	Pass
Band12	3	23025	1	#Max	QPSK	22.77	-5.53	-7.68	15.09	34.77	Pass
Band12	3	23025	8	#0	QPSK	22.4	-5.53	-7.68	14.72	34.77	Pass
Band12	3	23025	8	#Mid	QPSK	22.34	-5.53	-7.68	14.66	34.77	Pass
Band12	3	23025	8	#Max	QPSK	22.4	-5.53	-7.68	14.72	34.77	Pass
Band12	3	23025	15	#0	QPSK	22.37	-5.53	-7.68	14.69	34.77	Pass
Band12	3	23025	1	#0	16QAM	23.34	-5.53	-7.68	15.66	34.77	Pass
Band12	3	23025	1	#Mid	16QAM	23.34	-5.53	-7.68	15.66	34.77	Pass
Band12	3	23025	1	#Max	16QAM	23.34	-5.53	-7.68	15.66	34.77	Pass
Band12	3	23025	8	#0	16QAM	20.88	-5.53	-7.68	13.20	34.77	Pass
Band12	3	23025	8	#Mid	16QAM	20.78	-5.53	-7.68	13.10	34.77	Pass
Band12	3	23025	8	#Max	16QAM	20.83	-5.53	-7.68	13.15	34.77	Pass
Band12	3	23025	15	#0	16QAM	20.89	-5.53	-7.68	13.21	34.77	Pass
Band12	3	23095	1	#0	QPSK	22.92	-5.53	-7.68	15.24	34.77	Pass
Band12	3	23095	1	#Mid	QPSK	23.29	-5.53	-7.68	15.61	34.77	Pass



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Band12	3	23095	1	#Max	QPSK	23.29	-5.53	-7.68	15.61	34.77	Pass
Band12	3	23095	8	#0	QPSK	22.36	-5.53	-7.68	14.68	34.77	Pass
Band12	3	23095	8	#Mid	QPSK	22.94	-5.53	-7.68	15.26	34.77	Pass
Band12	3	23095	8	#Max	QPSK	22.92	-5.53	-7.68	15.24	34.77	Pass
Band12	3	23095	15	#0	QPSK	22.9	-5.53	-7.68	15.22	34.77	Pass
Band12	3	23095	1	#0	16QAM	22.98	-5.53	-7.68	15.30	34.77	Pass
Band12	3	23095	1	#Mid	16QAM	23.48	-5.53	-7.68	15.80	34.77	Pass
Band12	3	23095	1	#Max	16QAM	23.44	-5.53	-7.68	15.76	34.77	Pass
Band12	3	23095	8	#0	16QAM	20.98	-5.53	-7.68	13.30	34.77	Pass
Band12	3	23095	8	#Mid	16QAM	21.56	-5.53	-7.68	13.88	34.77	Pass
Band12	3	23095	8	#Max	16QAM	21.5	-5.53	-7.68	13.82	34.77	Pass
Band12	3	23095	15	#0	16QAM	21.32	-5.53	-7.68	13.64	34.77	Pass
Band12	3	23165	1	#0	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band12	3	23165	1	#Mid	QPSK	22.82	-5.53	-7.68	15.14	34.77	Pass
Band12	3	23165	1	#Max	QPSK	23.01	-5.53	-7.68	15.33	34.77	Pass
Band12	3	23165	8	#0	QPSK	22.27	-5.53	-7.68	14.59	34.77	Pass
Band12	3	23165	8	#Mid	QPSK	22.24	-5.53	-7.68	14.56	34.77	Pass
Band12	3	23165	8	#Max	QPSK	22.33	-5.53	-7.68	14.65	34.77	Pass
Band12	3	23165	15	#0	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band12	3	23165	1	#0	16QAM	23.27	-5.53	-7.68	15.59	34.77	Pass
Band12	3	23165	1	#Mid	16QAM	23.27	-5.53	-7.68	15.59	34.77	Pass
Band12	3	23165	1	#Max	16QAM	23.24	-5.53	-7.68	15.56	34.77	Pass
Band12	3	23165	8	#0	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band12	3	23165	8	#Mid	16QAM	21.19	-5.53	-7.68	13.51	34.77	Pass
Band12	3	23165	8	#Max	16QAM	21.21	-5.53	-7.68	13.53	34.77	Pass
Band12	3	23165	15	#0	16QAM	21.2	-5.53	-7.68	13.52	34.77	Pass
Band12	5	23035	1	#0	QPSK	22.74	-5.53	-7.68	15.06	34.77	Pass
Band12	5	23035	1	#Mid	QPSK	22.67	-5.53	-7.68	14.99	34.77	Pass
Band12	5	23035	1	#Max	QPSK	22.7	-5.53	-7.68	15.02	34.77	Pass
Band12	5	23035	12	#0	QPSK	22.31	-5.53	-7.68	14.63	34.77	Pass
Band12	5	23035	12	#Mid	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band12	5	23035	12	#Max	QPSK	22.33	-5.53	-7.68	14.65	34.77	Pass
Band12	5	23035	25	#0	QPSK	22.3	-5.53	-7.68	14.62	34.77	Pass
Band12	5	23035	1	#0	16QAM	22.45	-5.53	-7.68	14.77	34.77	Pass
Band12	5	23035	1	#Mid	16QAM	22.4	-5.53	-7.68	14.72	34.77	Pass
Band12	5	23035	1	#Max	16QAM	22.53	-5.53	-7.68	14.85	34.77	Pass
Band12	5	23035	12	#0	16QAM	20.79	-5.53	-7.68	13.11	34.77	Pass
Band12	5	23035	12	#Mid	16QAM	20.83	-5.53	-7.68	13.15	34.77	Pass
Band12	5	23035	12	#Max	16QAM	20.8	-5.53	-7.68	13.12	34.77	Pass
Band12	5	23035	25	#0	16QAM	20.94	-5.53	-7.68	13.26	34.77	Pass
Band12	5	23095	1	#0	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band12	5	23095	1	#Mid	QPSK	23.14	-5.53	-7.68	15.46	34.77	Pass
Band12	5	23095	1	#Max	QPSK	22.9	-5.53	-7.68	15.22	34.77	Pass
Band12	5	23095	12	#0	QPSK	22.33	-5.53	-7.68	14.65	34.77	Pass
Band12	5	23095	12	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band12	5	23095	12	#Max	QPSK	22.76	-5.53	-7.68	15.08	34.77	Pass
Band12	5	23095	25	#0	QPSK	22.8	-5.53	-7.68	15.12	34.77	Pass
Band12	5	23095	1	#0	16QAM	22.11	-5.53	-7.68	14.43	34.77	Pass
Band12	5	23095	1	#Mid	16QAM	22.55	-5.53	-7.68	14.87	34.77	Pass
Band12	5	23095	1	#Max	16QAM	22.41	-5.53	-7.68	14.73	34.77	Pass
Band12	5	23095	12	#0	16QAM	20.69	-5.53	-7.68	13.01	34.77	Pass
Band12	5	23095	12	#Mid	16QAM	21.16	-5.53	-7.68	13.48	34.77	Pass
Band12	5	23095	12	#Max	16QAM	21.22	-5.53	-7.68	13.54	34.77	Pass
Band12	5	23095	25	#0	16QAM	21.35	-5.53	-7.68	13.67	34.77	Pass
Band12	5	23155	1	#0	QPSK	22.78	-5.53	-7.68	15.10	34.77	Pass
Band12	5	23155	1	#Mid	QPSK	22.82	-5.53	-7.68	15.14	34.77	Pass
Band12	5	23155	1	#Max	QPSK	22.97	-5.53	-7.68	15.29	34.77	Pass
Band12	5	23155	12	#0	QPSK	22.38	-5.53	-7.68	14.70	34.77	Pass
Band12	5	23155	12	#Mid	QPSK	22.39	-5.53	-7.68	14.71	34.77	Pass
Band12	5	23155	12	#Max	QPSK	22.33	-5.53	-7.68	14.65	34.77	Pass
Band12	5	23155	25	#0	QPSK	22.31	-5.53	-7.68	14.63	34.77	Pass
Band12	5	23155	1	#0	16QAM	22.4	-5.53	-7.68	14.72	34.77	Pass
Band12	5	23155	1	#Mid	16QAM	22.35	-5.53	-7.68	14.67	34.77	Pass
Band12	5	23155	1	#Max	16QAM	22.32	-5.53	-7.68	14.64	34.77	Pass
Band12	5	23155	12	#0	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass



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Band12	5	23155	12	#Mid	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band12	5	23155	12	#Max	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass
Band12	5	23155	25	#0	16QAM	21.22	-5.53	-7.68	13.54	34.77	Pass
Band12	10	23060	1	#0	QPSK	22.79	-5.53	-7.68	15.11	34.77	Pass
Band12	10	23060	1	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band12	10	23060	1	#Max	QPSK	23.28	-5.53	-7.68	15.60	34.77	Pass
Band12	10	23060	25	#0	QPSK	22.29	-5.53	-7.68	14.61	34.77	Pass
Band12	10	23060	25	#Mid	QPSK	22.39	-5.53	-7.68	14.71	34.77	Pass
Band12	10	23060	25	#Max	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band12	10	23060	50	#0	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band12	10	23060	1	#0	16QAM	23.41	-5.53	-7.68	15.73	34.77	Pass
Band12	10	23060	1	#Mid	16QAM	23.48	-5.53	-7.68	15.80	34.77	Pass
Band12	10	23060	1	#Max	16QAM	23.84	-5.53	-7.68	16.16	34.77	Pass
Band12	10	23060	25	#0	16QAM	20.86	-5.53	-7.68	13.18	34.77	Pass
Band12	10	23060	25	#Mid	16QAM	21.23	-5.53	-7.68	13.55	34.77	Pass
Band12	10	23060	25	#Max	16QAM	20.88	-5.53	-7.68	13.20	34.77	Pass
Band12	10	23060	50	#0	16QAM	21.29	-5.53	-7.68	13.61	34.77	Pass
Band12	10	23095	1	#0	QPSK	22.99	-5.53	-7.68	15.31	34.77	Pass
Band12	10	23095	1	#Mid	QPSK	23.44	-5.53	-7.68	15.76	34.77	Pass
Band12	10	23095	1	#Max	QPSK	23.02	-5.53	-7.68	15.34	34.77	Pass
Band12	10	23095	25	#0	QPSK	22.53	-5.53	-7.68	14.85	34.77	Pass
Band12	10	23095	25	#Mid	QPSK	22.86	-5.53	-7.68	15.18	34.77	Pass
Band12	10	23095	25	#Max	QPSK	22.38	-5.53	-7.68	14.70	34.77	Pass
Band12	10	23095	50	#0	QPSK	22.88	-5.53	-7.68	15.20	34.77	Pass
Band12	10	23095	1	#0	16QAM	22.48	-5.53	-7.68	14.80	34.77	Pass
Band12	10	23095	1	#Mid	16QAM	22.81	-5.53	-7.68	15.13	34.77	Pass
Band12	10	23095	1	#Max	16QAM	22.45	-5.53	-7.68	14.77	34.77	Pass
Band12	10	23095	25	#0	16QAM	21	-5.53	-7.68	13.32	34.77	Pass
Band12	10	23095	25	#Mid	16QAM	21.37	-5.53	-7.68	13.69	34.77	Pass
Band12	10	23095	25	#Max	16QAM	21.38	-5.53	-7.68	13.70	34.77	Pass
Band12	10	23095	50	#0	16QAM	21.43	-5.53	-7.68	13.75	34.77	Pass
Band12	10	23130	1	#0	QPSK	23	-5.53	-7.68	15.32	34.77	Pass
Band12	10	23130	1	#Mid	QPSK	23.09	-5.53	-7.68	15.41	34.77	Pass
Band12	10	23130	1	#Max	QPSK	23.08	-5.53	-7.68	15.40	34.77	Pass
Band12	10	23130	25	#0	QPSK	22.77	-5.53	-7.68	15.09	34.77	Pass
Band12	10	23130	25	#Mid	QPSK	22.39	-5.53	-7.68	14.71	34.77	Pass
Band12	10	23130	25	#Max	QPSK	22.42	-5.53	-7.68	14.74	34.77	Pass
Band12	10	23130	50	#0	QPSK	22.5	-5.53	-7.68	14.82	34.77	Pass
Band12	10	23130	1	#0	16QAM	22.34	-5.53	-7.68	14.66	34.77	Pass
Band12	10	23130	1	#Mid	16QAM	22.67	-5.53	-7.68	14.99	34.77	Pass
Band12	10	23130	1	#Max	16QAM	22.28	-5.53	-7.68	14.60	34.77	Pass
Band12	10	23130	25	#0	16QAM	21.42	-5.53	-7.68	13.74	34.77	Pass
Band12	10	23130	25	#Mid	16QAM	21.37	-5.53	-7.68	13.69	34.77	Pass
Band12	10	23130	25	#Max	16QAM	21.36	-5.53	-7.68	13.68	34.77	Pass
Band12	10	23130	50	#0	16QAM	21.36	-5.53	-7.68	13.68	34.77	Pass





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For Question,
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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	22.66	-5.53	-7.68	14.98	34.77	Pass
Band17	5	23755	1	#Mid	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	5	23755	1	#Max	QPSK	23.18	-5.53	-7.68	15.50	34.77	Pass
Band17	5	23755	12	#0	QPSK	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23755	12	#Mid	QPSK	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23755	12	#Max	QPSK	22.73	-5.53	-7.68	15.05	34.77	Pass
Band17	5	23755	25	#0	QPSK	22.56	-5.53	-7.68	14.88	34.77	Pass
Band17	5	23755	1	#0	16QAM	22.09	-5.53	-7.68	14.41	34.77	Pass
Band17	5	23755	1	#Mid	16QAM	22.06	-5.53	-7.68	14.38	34.77	Pass
Band17	5	23755	1	#Max	16QAM	22.49	-5.53	-7.68	14.81	34.77	Pass
Band17	5	23755	12	#0	16QAM	20.78	-5.53	-7.68	13.10	34.77	Pass
Band17	5	23755	12	#Mid	16QAM	20.72	-5.53	-7.68	13.04	34.77	Pass
Band17	5	23755	12	#Max	16QAM	21.10	-5.53	-7.68	13.42	34.77	Pass
Band17	5	23755	25	#0	16QAM	20.89	-5.53	-7.68	13.21	34.77	Pass
Band17	5	23790	1	#0	QPSK	23.11	-5.53	-7.68	15.43	34.77	Pass
Band17	5	23790	1	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	5	23790	1	#Max	QPSK	22.63	-5.53	-7.68	14.95	34.77	Pass
Band17	5	23790	12	#0	QPSK	22.81	-5.53	-7.68	15.13	34.77	Pass
Band17	5	23790	12	#Mid	QPSK	22.45	-5.53	-7.68	14.77	34.77	Pass
Band17	5	23790	12	#Max	QPSK	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	5	23790	25	#0	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band17	5	23790	1	#0	16QAM	22.95	-5.53	-7.68	15.27	34.77	Pass
Band17	5	23790	1	#Mid	16QAM	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	5	23790	1	#Max	16QAM	22.54	-5.53	-7.68	14.86	34.77	Pass
Band17	5	23790	12	#0	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band17	5	23790	12	#Mid	16QAM	21.26	-5.53	-7.68	13.58	34.77	Pass
Band17	5	23790	12	#Max	16QAM	21.21	-5.53	-7.68	13.53	34.77	Pass
Band17	5	23790	25	#0	16QAM	21.15	-5.53	-7.68	13.47	34.77	Pass
Band17	5	23825	1	#0	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	5	23825	1	#Mid	QPSK	22.76	-5.53	-7.68	15.08	34.77	Pass
Band17	5	23825	1	#Max	QPSK	22.86	-5.53	-7.68	15.18	34.77	Pass
Band17	5	23825	12	#0	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	5	23825	12	#Mid	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	5	23825	12	#Max	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	5	23825	25	#0	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	5	23825	1	#0	16QAM	22.66	-5.53	-7.68	14.98	34.77	Pass
Band17	5	23825	1	#Mid	16QAM	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23825	1	#Max	16QAM	22.58	-5.53	-7.68	14.90	34.77	Pass
Band17	5	23825	12	#0	16QAM	21.16	-5.53	-7.68	13.48	34.77	Pass
Band17	5	23825	12	#Mid	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass
Band17	5	23825	12	#Max	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass
Band17	5	23825	25	#0	16QAM	21.40	-5.53	-7.68	13.72	34.77	Pass
Band17	10	23780	1	#0	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band17	10	23780	1	#Mid	QPSK	23.22	-5.53	-7.68	15.54	34.77	Pass
Band17	10	23780	1	#Max	QPSK	22.89	-5.53	-7.68	15.21	34.77	Pass
Band17	10	23780	25	#0	QPSK	22.50	-5.53	-7.68	14.82	34.77	Pass
Band17	10	23780	25	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	10	23780	25	#Max	QPSK	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	10	23780	50	#0	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	10	23780	1	#0	16QAM	23.38	-5.53	-7.68	15.70	34.77	Pass
Band17	10	23780	1	#Mid	16QAM	23.76	-5.53	-7.68	16.08	34.77	Pass
Band17	10	23780	1	#Max	16QAM	23.37	-5.53	-7.68	15.69	34.77	Pass
Band17	10	23780	25	#0	16QAM	20.78	-5.53	-7.68	13.10	34.77	Pass
Band17	10	23780	25	#Mid	16QAM	21.21	-5.53	-7.68	13.53	34.77	Pass
Band17	10	23780	25	#Max	16QAM	21.20	-5.53	-7.68	13.52	34.77	Pass
Band17	10	23780	50	#0	16QAM	21.22	-5.53	-7.68	13.54	34.77	Pass
Band17	10	23790	1	#0	QPSK	23.17	-5.53	-7.68	15.49	34.77	Pass
Band17	10	23790	1	#Mid	QPSK	23.09	-5.53	-7.68	15.41	34.77	Pass



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Band17	10	23790	1	#Max	QPSK	22.93	-5.53	-7.68	15.25	34.77	Pass
Band17	10	23790	25	#0	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band17	10	23790	25	#Mid	QPSK	22.46	-5.53	-7.68	14.78	34.77	Pass
Band17	10	23790	25	#Max	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	10	23790	50	#0	QPSK	22.42	-5.53	-7.68	14.74	34.77	Pass
Band17	10	23790	1	#0	16QAM	22.33	-5.53	-7.68	14.65	34.77	Pass
Band17	10	23790	1	#Mid	16QAM	22.79	-5.53	-7.68	15.11	34.77	Pass
Band17	10	23790	1	#Max	16QAM	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	10	23790	25	#0	16QAM	21.32	-5.53	-7.68	13.64	34.77	Pass
Band17	10	23790	25	#Mid	16QAM	21.30	-5.53	-7.68	13.62	34.77	Pass
Band17	10	23790	25	#Max	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band17	10	23790	50	#0	16QAM	21.40	-5.53	-7.68	13.72	34.77	Pass
Band17	10	23800	1	#0	QPSK	22.97	-5.53	-7.68	15.29	34.77	Pass
Band17	10	23800	1	#Mid	QPSK	23.05	-5.53	-7.68	15.37	34.77	Pass
Band17	10	23800	1	#Max	QPSK	23.06	-5.53	-7.68	15.38	34.77	Pass
Band17	10	23800	25	#0	QPSK	22.75	-5.53	-7.68	15.07	34.77	Pass
Band17	10	23800	25	#Mid	QPSK	22.43	-5.53	-7.68	14.75	34.77	Pass
Band17	10	23800	25	#Max	QPSK	22.44	-5.53	-7.68	14.76	34.77	Pass
Band17	10	23800	50	#0	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band17	10	23800	1	#0	16QAM	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	10	23800	1	#Mid	16QAM	22.65	-5.53	-7.68	14.97	34.77	Pass
Band17	10	23800	1	#Max	16QAM	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	10	23800	25	#0	16QAM	21.26	-5.53	-7.68	13.58	34.77	Pass
Band17	10	23800	25	#Mid	16QAM	21.36	-5.53	-7.68	13.68	34.77	Pass
Band17	10	23800	25	#Max	16QAM	21.33	-5.53	-7.68	13.65	34.77	Pass
Band17	10	23800	50	#0	16QAM	21.35	-5.53	-7.68	13.67	34.77	Pass
Band17	5	23755	1	#0	QPSK	22.66	-5.53	-7.68	14.98	34.77	Pass
Band17	5	23755	1	#Mid	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	5	23755	1	#Max	QPSK	23.18	-5.53	-7.68	15.50	34.77	Pass
Band17	5	23755	12	#0	QPSK	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23755	12	#Mid	QPSK	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23755	12	#Max	QPSK	22.73	-5.53	-7.68	15.05	34.77	Pass
Band17	5	23755	25	#0	QPSK	22.56	-5.53	-7.68	14.88	34.77	Pass
Band17	5	23755	1	#0	16QAM	22.09	-5.53	-7.68	14.41	34.77	Pass
Band17	5	23755	1	#Mid	16QAM	22.06	-5.53	-7.68	14.38	34.77	Pass
Band17	5	23755	1	#Max	16QAM	22.49	-5.53	-7.68	14.81	34.77	Pass
Band17	5	23755	12	#0	16QAM	20.78	-5.53	-7.68	13.10	34.77	Pass
Band17	5	23755	12	#Mid	16QAM	20.72	-5.53	-7.68	13.04	34.77	Pass
Band17	5	23755	12	#Max	16QAM	21.10	-5.53	-7.68	13.42	34.77	Pass
Band17	5	23755	25	#0	16QAM	20.89	-5.53	-7.68	13.21	34.77	Pass
Band17	5	23790	1	#0	QPSK	23.11	-5.53	-7.68	15.43	34.77	Pass
Band17	5	23790	1	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	5	23790	1	#Max	QPSK	22.63	-5.53	-7.68	14.95	34.77	Pass
Band17	5	23790	12	#0	QPSK	22.81	-5.53	-7.68	15.13	34.77	Pass
Band17	5	23790	12	#Mid	QPSK	22.45	-5.53	-7.68	14.77	34.77	Pass
Band17	5	23790	12	#Max	QPSK	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	5	23790	25	#0	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band17	5	23790	1	#0	16QAM	22.95	-5.53	-7.68	15.27	34.77	Pass
Band17	5	23790	1	#Mid	16QAM	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	5	23790	1	#Max	16QAM	22.54	-5.53	-7.68	14.86	34.77	Pass
Band17	5	23790	12	#0	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band17	5	23790	12	#Mid	16QAM	21.26	-5.53	-7.68	13.58	34.77	Pass
Band17	5	23790	12	#Max	16QAM	21.21	-5.53	-7.68	13.53	34.77	Pass
Band17	5	23790	25	#0	16QAM	21.15	-5.53	-7.68	13.47	34.77	Pass
Band17	5	23825	1	#0	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	5	23825	1	#Mid	QPSK	22.76	-5.53	-7.68	15.08	34.77	Pass
Band17	5	23825	1	#Max	QPSK	22.86	-5.53	-7.68	15.18	34.77	Pass
Band17	5	23825	12	#0	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	5	23825	12	#Mid	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	5	23825	12	#Max	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	5	23825	25	#0	QPSK	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	5	23825	1	#0	16QAM	22.66	-5.53	-7.68	14.98	34.77	Pass
Band17	5	23825	1	#Mid	16QAM	22.53	-5.53	-7.68	14.85	34.77	Pass
Band17	5	23825	1	#Max	16QAM	22.58	-5.53	-7.68	14.90	34.77	Pass
Band17	5	23825	12	#0	16QAM	21.16	-5.53	-7.68	13.48	34.77	Pass



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Band17	5	23825	12	#Mid	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass
Band17	5	23825	12	#Max	16QAM	21.18	-5.53	-7.68	13.50	34.77	Pass
Band17	5	23825	25	#0	16QAM	21.40	-5.53	-7.68	13.72	34.77	Pass
Band17	10	23780	1	#0	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band17	10	23780	1	#Mid	QPSK	23.22	-5.53	-7.68	15.54	34.77	Pass
Band17	10	23780	1	#Max	QPSK	22.89	-5.53	-7.68	15.21	34.77	Pass
Band17	10	23780	25	#0	QPSK	22.50	-5.53	-7.68	14.82	34.77	Pass
Band17	10	23780	25	#Mid	QPSK	22.85	-5.53	-7.68	15.17	34.77	Pass
Band17	10	23780	25	#Max	QPSK	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	10	23780	50	#0	QPSK	22.83	-5.53	-7.68	15.15	34.77	Pass
Band17	10	23780	1	#0	16QAM	23.38	-5.53	-7.68	15.70	34.77	Pass
Band17	10	23780	1	#Mid	16QAM	23.76	-5.53	-7.68	16.08	34.77	Pass
Band17	10	23780	1	#Max	16QAM	23.37	-5.53	-7.68	15.69	34.77	Pass
Band17	10	23780	25	#0	16QAM	20.78	-5.53	-7.68	13.10	34.77	Pass
Band17	10	23780	25	#Mid	16QAM	21.21	-5.53	-7.68	13.53	34.77	Pass
Band17	10	23780	25	#Max	16QAM	21.20	-5.53	-7.68	13.52	34.77	Pass
Band17	10	23780	50	#0	16QAM	21.22	-5.53	-7.68	13.54	34.77	Pass
Band17	10	23790	1	#0	QPSK	23.17	-5.53	-7.68	15.49	34.77	Pass
Band17	10	23790	1	#Mid	QPSK	23.09	-5.53	-7.68	15.41	34.77	Pass
Band17	10	23790	1	#Max	QPSK	22.93	-5.53	-7.68	15.25	34.77	Pass
Band17	10	23790	25	#0	QPSK	22.87	-5.53	-7.68	15.19	34.77	Pass
Band17	10	23790	25	#Mid	QPSK	22.46	-5.53	-7.68	14.78	34.77	Pass
Band17	10	23790	25	#Max	QPSK	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	10	23790	50	#0	QPSK	22.42	-5.53	-7.68	14.74	34.77	Pass
Band17	10	23790	1	#0	16QAM	22.33	-5.53	-7.68	14.65	34.77	Pass
Band17	10	23790	1	#Mid	16QAM	22.79	-5.53	-7.68	15.11	34.77	Pass
Band17	10	23790	1	#Max	16QAM	22.40	-5.53	-7.68	14.72	34.77	Pass
Band17	10	23790	25	#0	16QAM	21.32	-5.53	-7.68	13.64	34.77	Pass
Band17	10	23790	25	#Mid	16QAM	21.30	-5.53	-7.68	13.62	34.77	Pass
Band17	10	23790	25	#Max	16QAM	21.25	-5.53	-7.68	13.57	34.77	Pass
Band17	10	23790	50	#0	16QAM	21.40	-5.53	-7.68	13.72	34.77	Pass
Band17	10	23800	1	#0	QPSK	22.97	-5.53	-7.68	15.29	34.77	Pass
Band17	10	23800	1	#Mid	QPSK	23.05	-5.53	-7.68	15.37	34.77	Pass
Band17	10	23800	1	#Max	QPSK	23.06	-5.53	-7.68	15.38	34.77	Pass
Band17	10	23800	25	#0	QPSK	22.75	-5.53	-7.68	15.07	34.77	Pass
Band17	10	23800	25	#Mid	QPSK	22.43	-5.53	-7.68	14.75	34.77	Pass
Band17	10	23800	25	#Max	QPSK	22.44	-5.53	-7.68	14.76	34.77	Pass
Band17	10	23800	50	#0	QPSK	22.48	-5.53	-7.68	14.80	34.77	Pass
Band17	10	23800	1	#0	16QAM	22.32	-5.53	-7.68	14.64	34.77	Pass
Band17	10	23800	1	#Mid	16QAM	22.65	-5.53	-7.68	14.97	34.77	Pass
Band17	10	23800	1	#Max	16QAM	22.41	-5.53	-7.68	14.73	34.77	Pass
Band17	10	23800	25	#0	16QAM	21.26	-5.53	-7.68	13.58	34.77	Pass
Band17	10	23800	25	#Mid	16QAM	21.36	-5.53	-7.68	13.68	34.77	Pass
Band17	10	23800	25	#Max	16QAM	21.33	-5.53	-7.68	13.65	34.77	Pass
Band17	10	23800	50	#0	16QAM	21.35	-5.53	-7.68	13.67	34.77	Pass





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Band	Band width (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band26(814-824)	1.4	26697	1	#0	QPSK	21.87	-4.42	-6.57	15.30	38.45	Pass
Band26(814-824)	1.4	26697	1	#Mid	QPSK	21.92	-4.42	-6.57	15.35	38.45	Pass
Band26(814-824)	1.4	26697	1	#Max	QPSK	21.89	-4.42	-6.57	15.32	38.45	Pass
Band26(814-824)	1.4	26697	3	#0	QPSK	21.74	-4.42	-6.57	15.17	38.45	Pass
Band26(814-824)	1.4	26697	3	#Mid	QPSK	21.86	-4.42	-6.57	15.29	38.45	Pass
Band26(814-824)	1.4	26697	3	#Max	QPSK	21.81	-4.42	-6.57	15.24	38.45	Pass
Band26(814-824)	1.4	26697	6	#0	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass
Band26(814-824)	1.4	26697	1	#0	QAM16	22.26	-4.42	-6.57	15.69	38.45	Pass
Band26(814-824)	1.4	26697	1	#Mid	QAM16	22.2	-4.42	-6.57	15.63	38.45	Pass
Band26(814-824)	1.4	26697	1	#Max	QAM16	22.26	-4.42	-6.57	15.69	38.45	Pass
Band26(814-824)	1.4	26697	3	#0	QAM16	21.05	-4.42	-6.57	14.48	38.45	Pass
Band26(814-824)	1.4	26697	3	#Mid	QAM16	20.95	-4.42	-6.57	14.38	38.45	Pass
Band26(814-824)	1.4	26697	3	#Max	QAM16	20.97	-4.42	-6.57	14.40	38.45	Pass
Band26(814-824)	1.4	26697	6	#0	QAM16	19.88	-4.42	-6.57	13.31	38.45	Pass
Band26(814-824)	1.4	26740	1	#0	QPSK	21.9	-4.42	-6.57	15.33	38.45	Pass
Band26(814-824)	1.4	26740	1	#Mid	QPSK	21.89	-4.42	-6.57	15.32	38.45	Pass
Band26(814-824)	1.4	26740	1	#Max	QPSK	21.89	-4.42	-6.57	15.32	38.45	Pass
Band26(814-824)	1.4	26740	3	#0	QPSK	21.95	-4.42	-6.57	15.38	38.45	Pass
Band26(814-824)	1.4	26740	3	#Mid	QPSK	21.93	-4.42	-6.57	15.36	38.45	Pass
Band26(814-824)	1.4	26740	3	#Max	QPSK	21.88	-4.42	-6.57	15.31	38.45	Pass
Band26(814-824)	1.4	26740	6	#0	QPSK	21.39	-4.42	-6.57	14.82	38.45	Pass
Band26(814-824)	1.4	26740	1	#0	QAM16	21.92	-4.42	-6.57	15.35	38.45	Pass
Band26(814-824)	1.4	26740	1	#Mid	QAM16	21.92	-4.42	-6.57	15.35	38.45	Pass
Band26(814-824)	1.4	26740	1	#Max	QAM16	21.88	-4.42	-6.57	15.31	38.45	Pass
Band26(814-824)	1.4	26740	3	#0	QAM16	20.88	-4.42	-6.57	14.31	38.45	Pass
Band26(814-824)	1.4	26740	3	#Mid	QAM16	20.93	-4.42	-6.57	14.36	38.45	Pass
Band26(814-824)	1.4	26740	3	#Max	QAM16	20.88	-4.42	-6.57	14.31	38.45	Pass
Band26(814-824)	1.4	26740	6	#0	QAM16	20.16	-4.42	-6.57	13.59	38.45	Pass
Band26(814-824)	1.4	26783	1	#0	QPSK	21.73	-4.42	-6.57	15.16	38.45	Pass
Band26(814-824)	1.4	26783	1	#Mid	QPSK	21.93	-4.42	-6.57	15.36	38.45	Pass



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Band26(814-824)	1.4	26783	1	#Max	QPSK	21.69	-4.42	-6.57	15.12	38.45	Pass
Band26(814-824)	1.4	26783	3	#0	QPSK	21.77	-4.42	-6.57	15.20	38.45	Pass
Band26(814-824)	1.4	26783	3	#Mid	QPSK	21.82	-4.42	-6.57	15.25	38.45	Pass
Band26(814-824)	1.4	26783	3	#Max	QPSK	21.75	-4.42	-6.57	15.18	38.45	Pass
Band26(814-824)	1.4	26783	6	#0	QPSK	21.36	-4.42	-6.57	14.79	38.45	Pass
Band26(814-824)	1.4	26783	1	#0	QAM16	21.59	-4.42	-6.57	15.02	38.45	Pass
Band26(814-824)	1.4	26783	1	#Mid	QAM16	21.61	-4.42	-6.57	15.04	38.45	Pass
Band26(814-824)	1.4	26783	1	#Max	QAM16	21.63	-4.42	-6.57	15.06	38.45	Pass
Band26(814-824)	1.4	26783	3	#0	QAM16	21.12	-4.42	-6.57	14.55	38.45	Pass
Band26(814-824)	1.4	26783	3	#Mid	QAM16	21.08	-4.42	-6.57	14.51	38.45	Pass
Band26(814-824)	1.4	26783	3	#Max	QAM16	21.03	-4.42	-6.57	14.46	38.45	Pass
Band26(814-824)	1.4	26783	6	#0	QAM16	19.81	-4.42	-6.57	13.24	38.45	Pass
Band26(814-824)	3	26705	1	#0	QPSK	21.73	-4.42	-6.57	15.16	38.45	Pass
Band26(814-824)	3	26705	1	#Mid	QPSK	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(814-824)	3	26705	1	#Max	QPSK	21.76	-4.42	-6.57	15.19	38.45	Pass
Band26(814-824)	3	26705	8	#0	QPSK	21.35	-4.42	-6.57	14.78	38.45	Pass
Band26(814-824)	3	26705	8	#Mid	QPSK	21.38	-4.42	-6.57	14.81	38.45	Pass
Band26(814-824)	3	26705	8	#Max	QPSK	21.32	-4.42	-6.57	14.75	38.45	Pass
Band26(814-824)	3	26705	15	#0	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass
Band26(814-824)	3	26705	1	#0	QAM16	22.31	-4.42	-6.57	15.74	38.45	Pass
Band26(814-824)	3	26705	1	#Mid	QAM16	22.29	-4.42	-6.57	15.72	38.45	Pass
Band26(814-824)	3	26705	1	#Max	QAM16	22.26	-4.42	-6.57	15.69	38.45	Pass
Band26(814-824)	3	26705	8	#0	QAM16	19.75	-4.42	-6.57	13.18	38.45	Pass
Band26(814-824)	3	26705	8	#Mid	QAM16	19.65	-4.42	-6.57	13.08	38.45	Pass
Band26(814-824)	3	26705	8	#Max	QAM16	19.99	-4.42	-6.57	13.42	38.45	Pass
Band26(814-824)	3	26705	15	#0	QAM16	19.9	-4.42	-6.57	13.33	38.45	Pass
Band26(814-824)	3	26740	1	#0	QPSK	21.72	-4.42	-6.57	15.15	38.45	Pass
Band26(814-824)	3	26740	1	#Mid	QPSK	21.86	-4.42	-6.57	15.29	38.45	Pass
Band26(814-824)	3	26740	1	#Max	QPSK	21.91	-4.42	-6.57	15.34	38.45	Pass
Band26(814-824)	3	26740	8	#0	QPSK	21.43	-4.42	-6.57	14.86	38.45	Pass
Band26(814-824)	3	26740	8	#Mid	QPSK	21.44	-4.42	-6.57	14.87	38.45	Pass
Band26(814-824)	3	26740	8	#Max	QPSK	21.28	-4.42	-6.57	14.71	38.45	Pass
Band26(814-824)	3	26740	15	#0	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass



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Band26(814-824)	3	26740	1	#0	QAM16	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(814-824)	3	26740	1	#Mid	QAM16	21.85	-4.42	-6.57	15.28	38.45	Pass
Band26(814-824)	3	26740	1	#Max	QAM16	21.8	-4.42	-6.57	15.23	38.45	Pass
Band26(814-824)	3	26740	8	#0	QAM16	20.39	-4.42	-6.57	13.82	38.45	Pass
Band26(814-824)	3	26740	8	#Mid	QAM16	20.41	-4.42	-6.57	13.84	38.45	Pass
Band26(814-824)	3	26740	8	#Max	QAM16	20.39	-4.42	-6.57	13.82	38.45	Pass
Band26(814-824)	3	26740	15	#0	QAM16	20.26	-4.42	-6.57	13.69	38.45	Pass
Band26(814-824)	3	26775	1	#0	QPSK	21.87	-4.42	-6.57	15.30	38.45	Pass
Band26(814-824)	3	26775	1	#Mid	QPSK	21.82	-4.42	-6.57	15.25	38.45	Pass
Band26(814-824)	3	26775	1	#Max	QPSK	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(814-824)	3	26775	8	#0	QPSK	21.3	-4.42	-6.57	14.73	38.45	Pass
Band26(814-824)	3	26775	8	#Mid	QPSK	21.34	-4.42	-6.57	14.77	38.45	Pass
Band26(814-824)	3	26775	8	#Max	QPSK	21.28	-4.42	-6.57	14.71	38.45	Pass
Band26(814-824)	3	26775	15	#0	QPSK	21.3	-4.42	-6.57	14.73	38.45	Pass
Band26(814-824)	3	26775	1	#0	QAM16	21.63	-4.42	-6.57	15.06	38.45	Pass
Band26(814-824)	3	26775	1	#Mid	QAM16	21.78	-4.42	-6.57	15.21	38.45	Pass
Band26(814-824)	3	26775	1	#Max	QAM16	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(814-824)	3	26775	8	#0	QAM16	20.19	-4.42	-6.57	13.62	38.45	Pass
Band26(814-824)	3	26775	8	#Mid	QAM16	19.76	-4.42	-6.57	13.19	38.45	Pass
Band26(814-824)	3	26775	8	#Max	QAM16	19.71	-4.42	-6.57	13.14	38.45	Pass
Band26(814-824)	3	26775	15	#0	QAM16	19.8	-4.42	-6.57	13.23	38.45	Pass
Band26(814-824)	5	26715	1	#0	QPSK	21.54	-4.42	-6.57	14.97	38.45	Pass
Band26(814-824)	5	26715	1	#Mid	QPSK	21.53	-4.42	-6.57	14.96	38.45	Pass
Band26(814-824)	5	26715	1	#Max	QPSK	21.67	-4.42	-6.57	15.10	38.45	Pass
Band26(814-824)	5	26715	12	#0	QPSK	21.26	-4.42	-6.57	14.69	38.45	Pass
Band26(814-824)	5	26715	12	#Mid	QPSK	21.29	-4.42	-6.57	14.72	38.45	Pass
Band26(814-824)	5	26715	12	#Max	QPSK	21.18	-4.42	-6.57	14.61	38.45	Pass
Band26(814-824)	5	26715	25	#0	QPSK	21.17	-4.42	-6.57	14.60	38.45	Pass
Band26(814-824)	5	26715	1	#0	QAM16	21.5	-4.42	-6.57	14.93	38.45	Pass
Band26(814-824)	5	26715	1	#Mid	QAM16	21.54	-4.42	-6.57	14.97	38.45	Pass
Band26(814-824)	5	26715	1	#Max	QAM16	21.45	-4.42	-6.57	14.88	38.45	Pass
Band26(814-824)	5	26715	12	#0	QAM16	19.72	-4.42	-6.57	13.15	38.45	Pass
Band26(814-824)	5	26715	12	#Mid	QAM16	20.02	-4.42	-6.57	13.45	38.45	Pass



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Band26(814-824)	5	26715	12	#Max	QAM16	20.08	-4.42	-6.57	13.51	38.45	Pass
Band26(814-824)	5	26715	25	#0	QAM16	20.2	-4.42	-6.57	13.63	38.45	Pass
Band26(814-824)	5	26740	1	#0	QPSK	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(814-824)	5	26740	1	#Mid	QPSK	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(814-824)	5	26740	1	#Max	QPSK	21.75	-4.42	-6.57	15.18	38.45	Pass
Band26(814-824)	5	26740	12	#0	QPSK	21.27	-4.42	-6.57	14.70	38.45	Pass
Band26(814-824)	5	26740	12	#Mid	QPSK	21.39	-4.42	-6.57	14.82	38.45	Pass
Band26(814-824)	5	26740	12	#Max	QPSK	21.24	-4.42	-6.57	14.67	38.45	Pass
Band26(814-824)	5	26740	25	#0	QPSK	21.27	-4.42	-6.57	14.70	38.45	Pass
Band26(814-824)	5	26740	1	#0	QAM16	20.95	-4.42	-6.57	14.38	38.45	Pass
Band26(814-824)	5	26740	1	#Mid	QAM16	20.96	-4.42	-6.57	14.39	38.45	Pass
Band26(814-824)	5	26740	1	#Max	QAM16	20.97	-4.42	-6.57	14.40	38.45	Pass
Band26(814-824)	5	26740	12	#0	QAM16	20	-4.42	-6.57	13.43	38.45	Pass
Band26(814-824)	5	26740	12	#Mid	QAM16	20.05	-4.42	-6.57	13.48	38.45	Pass
Band26(814-824)	5	26740	12	#Max	QAM16	20.13	-4.42	-6.57	13.56	38.45	Pass
Band26(814-824)	5	26740	25	#0	QAM16	20.25	-4.42	-6.57	13.68	38.45	Pass
Band26(814-824)	5	26765	1	#0	QPSK	21.78	-4.42	-6.57	15.21	38.45	Pass
Band26(814-824)	5	26765	1	#Mid	QPSK	21.75	-4.42	-6.57	15.18	38.45	Pass
Band26(814-824)	5	26765	1	#Max	QPSK	21.78	-4.42	-6.57	15.21	38.45	Pass
Band26(814-824)	5	26765	12	#0	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass
Band26(814-824)	5	26765	12	#Mid	QPSK	21.34	-4.42	-6.57	14.77	38.45	Pass
Band26(814-824)	5	26765	12	#Max	QPSK	21.33	-4.42	-6.57	14.76	38.45	Pass
Band26(814-824)	5	26765	25	#0	QPSK	21.27	-4.42	-6.57	14.70	38.45	Pass
Band26(814-824)	5	26765	1	#0	QAM16	21.29	-4.42	-6.57	14.72	38.45	Pass
Band26(814-824)	5	26765	1	#Mid	QAM16	21.26	-4.42	-6.57	14.69	38.45	Pass
Band26(814-824)	5	26765	1	#Max	QAM16	21.23	-4.42	-6.57	14.66	38.45	Pass
Band26(814-824)	5	26765	12	#0	QAM16	20.2	-4.42	-6.57	13.63	38.45	Pass
Band26(814-824)	5	26765	12	#Mid	QAM16	20.19	-4.42	-6.57	13.62	38.45	Pass
Band26(814-824)	5	26765	12	#Max	QAM16	19.67	-4.42	-6.57	13.10	38.45	Pass
Band26(814-824)	5	26765	25	#0	QAM16	20.15	-4.42	-6.57	13.58	38.45	Pass
Band26(814-824)	10	26740	1	#0	QPSK	21.69	-4.42	-6.57	15.12	38.45	Pass
Band26(814-824)	10	26740	1	#Mid	QPSK	21.84	-4.42	-6.57	15.27	38.45	Pass
Band26(814-824)	10	26740	1	#Max	QPSK	21.84	-4.42	-6.57	15.27	38.45	Pass



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Band26(814-824)	10	26740	25	#0	QPSK	21.23	-4.42	-6.57	14.66	38.45	Pass
Band26(814-824)	10	26740	25	#Mid	QPSK	21.41	-4.42	-6.57	14.84	38.45	Pass
Band26(814-824)	10	26740	25	#Max	QPSK	21.39	-4.42	-6.57	14.82	38.45	Pass
Band26(814-824)	10	26740	50	#0	QPSK	21.4	-4.42	-6.57	14.83	38.45	Pass
Band26(814-824)	10	26740	1	#0	QAM16	22.23	-4.42	-6.57	15.66	38.45	Pass
Band26(814-824)	10	26740	1	#Mid	QAM16	22.26	-4.42	-6.57	15.69	38.45	Pass
Band26(814-824)	10	26740	1	#Max	QAM16	22.2	-4.42	-6.57	15.63	38.45	Pass
Band26(814-824)	10	26740	25	#0	QAM16	20.07	-4.42	-6.57	13.50	38.45	Pass
Band26(814-824)	10	26740	25	#Mid	QAM16	20.05	-4.42	-6.57	13.48	38.45	Pass
Band26(814-824)	10	26740	25	#Max	QAM16	20.12	-4.42	-6.57	13.55	38.45	Pass
Band26(814-824)	10	26740	50	#0	QAM16	20.13	-4.42	-6.57	13.56	38.45	Pass

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Certificate #5768.01

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Band	Band width (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band26(824-849)	1.4	26797	1	#0	QPSK	21.91	-4.42	-6.57	15.34	38.45	Pass
Band26(824-849)	1.4	26797	1	#Mid	QPSK	21.95	-4.42	-6.57	15.38	38.45	Pass
Band26(824-849)	1.4	26797	1	#Max	QPSK	21.98	-4.42	-6.57	15.41	38.45	Pass
Band26(824-849)	1.4	26797	3	#0	QPSK	21.9	-4.42	-6.57	15.33	38.45	Pass
Band26(824-849)	1.4	26797	3	#Mid	QPSK	21.85	-4.42	-6.57	15.28	38.45	Pass
Band26(824-849)	1.4	26797	3	#Max	QPSK	21.89	-4.42	-6.57	15.32	38.45	Pass
Band26(824-849)	1.4	26797	6	#0	QPSK	21.4	-4.42	-6.57	14.83	38.45	Pass
Band26(824-849)	1.4	26797	1	#0	QAM16	22.26	-4.42	-6.57	15.69	38.45	Pass
Band26(824-849)	1.4	26797	1	#Mid	QAM16	22.22	-4.42	-6.57	15.65	38.45	Pass
Band26(824-849)	1.4	26797	1	#Max	QAM16	22.25	-4.42	-6.57	15.68	38.45	Pass
Band26(824-849)	1.4	26797	3	#0	QAM16	21.01	-4.42	-6.57	14.44	38.45	Pass
Band26(824-849)	1.4	26797	3	#Mid	QAM16	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	1.4	26797	3	#Max	QAM16	21.01	-4.42	-6.57	14.44	38.45	Pass
Band26(824-849)	1.4	26797	6	#0	QAM16	19.86	-4.42	-6.57	13.29	38.45	Pass
Band26(824-849)	1.4	26915	1	#0	QPSK	21.57	-4.42	-6.57	15.00	38.45	Pass
Band26(824-849)	1.4	26915	1	#Mid	QPSK	21.56	-4.42	-6.57	14.99	38.45	Pass
Band26(824-849)	1.4	26915	1	#Max	QPSK	21.54	-4.42	-6.57	14.97	38.45	Pass
Band26(824-849)	1.4	26915	3	#0	QPSK	21.61	-4.42	-6.57	15.04	38.45	Pass
Band26(824-849)	1.4	26915	3	#Mid	QPSK	21.64	-4.42	-6.57	15.07	38.45	Pass
Band26(824-849)	1.4	26915	3	#Max	QPSK	21.52	-4.42	-6.57	14.95	38.45	Pass
Band26(824-849)	1.4	26915	6	#0	QPSK	21.07	-4.42	-6.57	14.50	38.45	Pass
Band26(824-849)	1.4	26915	1	#0	QAM16	21.69	-4.42	-6.57	15.12	38.45	Pass
Band26(824-849)	1.4	26915	1	#Mid	QAM16	21.72	-4.42	-6.57	15.15	38.45	Pass
Band26(824-849)	1.4	26915	1	#Max	QAM16	21.74	-4.42	-6.57	15.17	38.45	Pass
Band26(824-849)	1.4	26915	3	#0	QAM16	20.52	-4.42	-6.57	13.95	38.45	Pass
Band26(824-849)	1.4	26915	3	#Mid	QAM16	20.54	-4.42	-6.57	13.97	38.45	Pass
Band26(824-849)	1.4	26915	3	#Max	QAM16	20.51	-4.42	-6.57	13.94	38.45	Pass
Band26(824-849)	1.4	26915	6	#0	QAM16	19.46	-4.42	-6.57	12.89	38.45	Pass
Band26(824-849)	1.4	27033	1	#0	QPSK	21.52	-4.42	-6.57	14.95	38.45	Pass
Band26(824-849)	1.4	27033	1	#Mid	QPSK	21.62	-4.42	-6.57	15.05	38.45	Pass



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824-849)										38.45	Pass
Band26(824-849)	1.4	27033	1	#Max	QPSK	21.52	-4.42	-6.57	14.95	38.45	Pass
Band26(824-849)	1.4	27033	3	#0	QPSK	21.64	-4.42	-6.57	15.07	38.45	Pass
Band26(824-849)	1.4	27033	3	#Mid	QPSK	21.51	-4.42	-6.57	14.94	38.45	Pass
Band26(824-849)	1.4	27033	3	#Max	QPSK	21.56	-4.42	-6.57	14.99	38.45	Pass
Band26(824-849)	1.4	27033	6	#0	QPSK	21.12	-4.42	-6.57	14.55	38.45	Pass
Band26(824-849)	1.4	27033	1	#0	QAM16	21.94	-4.42	-6.57	15.37	38.45	Pass
Band26(824-849)	1.4	27033	1	#Mid	QAM16	21.98	-4.42	-6.57	15.41	38.45	Pass
Band26(824-849)	1.4	27033	1	#Max	QAM16	21.94	-4.42	-6.57	15.37	38.45	Pass
Band26(824-849)	1.4	27033	3	#0	QAM16	20.7	-4.42	-6.57	14.13	38.45	Pass
Band26(824-849)	1.4	27033	3	#Mid	QAM16	20.77	-4.42	-6.57	14.20	38.45	Pass
Band26(824-849)	1.4	27033	3	#Max	QAM16	20.74	-4.42	-6.57	14.17	38.45	Pass
Band26(824-849)	1.4	27033	6	#0	QAM16	19.71	-4.42	-6.57	13.14	38.45	Pass
Band26(824-849)	3	26805	1	#0	QPSK	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(824-849)	3	26805	1	#Mid	QPSK	21.78	-4.42	-6.57	15.21	38.45	Pass
Band26(824-849)	3	26805	1	#Max	QPSK	21.82	-4.42	-6.57	15.25	38.45	Pass
Band26(824-849)	3	26805	8	#0	QPSK	21.37	-4.42	-6.57	14.80	38.45	Pass
Band26(824-849)	3	26805	8	#Mid	QPSK	21.4	-4.42	-6.57	14.83	38.45	Pass
Band26(824-849)	3	26805	8	#Max	QPSK	21.36	-4.42	-6.57	14.79	38.45	Pass
Band26(824-849)	3	26805	15	#0	QPSK	21.35	-4.42	-6.57	14.78	38.45	Pass
Band26(824-849)	3	26805	1	#0	QAM16	22.3	-4.42	-6.57	15.73	38.45	Pass
Band26(824-849)	3	26805	1	#Mid	QAM16	22.22	-4.42	-6.57	15.65	38.45	Pass
Band26(824-849)	3	26805	1	#Max	QAM16	22.3	-4.42	-6.57	15.73	38.45	Pass
Band26(824-849)	3	26805	8	#0	QAM16	19.73	-4.42	-6.57	13.16	38.45	Pass
Band26(824-849)	3	26805	8	#Mid	QAM16	19.74	-4.42	-6.57	13.17	38.45	Pass
Band26(824-849)	3	26805	8	#Max	QAM16	20.16	-4.42	-6.57	13.59	38.45	Pass
Band26(824-849)	3	26805	15	#0	QAM16	19.89	-4.42	-6.57	13.32	38.45	Pass
Band26(824-849)	3	26915	1	#0	QPSK	21.58	-4.42	-6.57	15.01	38.45	Pass
Band26(824-849)	3	26915	1	#Mid	QPSK	21.61	-4.42	-6.57	15.04	38.45	Pass
Band26(824-849)	3	26915	1	#Max	QPSK	21.62	-4.42	-6.57	15.05	38.45	Pass
Band26(824-849)	3	26915	8	#0	QPSK	21.03	-4.42	-6.57	14.46	38.45	Pass
Band26(824-849)	3	26915	8	#Mid	QPSK	21.01	-4.42	-6.57	14.44	38.45	Pass
Band26(824-849)	3	26915	8	#Max	QPSK	21.14	-4.42	-6.57	14.57	38.45	Pass
Band26(824-849)	3	26915	15	#0	QPSK	21.21	-4.42	-6.57	14.64	38.45	Pass



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824-849)												
Band26(824-849)	3	26915	1	#0	QAM16	21.65	-4.42	-6.57	15.08	38.45	Pass	Please Contact with WSCT www.wsct-cert.com
Band26(824-849)	3	26915	1	#Mid	QAM16	21.69	-4.42	-6.57	15.12	38.45	Pass	
Band26(824-849)	3	26915	1	#Max	QAM16	21.7	-4.42	-6.57	15.13	38.45	Pass	
Band26(824-849)	3	26915	8	#0	QAM16	20.21	-4.42	-6.57	13.64	38.45	Pass	
Band26(824-849)	3	26915	8	#Mid	QAM16	19.74	-4.42	-6.57	13.17	38.45	Pass	
Band26(824-849)	3	26915	8	#Max	QAM16	19.65	-4.42	-6.57	13.08	38.45	Pass	
Band26(824-849)	3	26915	15	#0	QAM16	19.59	-4.42	-6.57	13.02	38.45	Pass	
Band26(824-849)	3	27025	1	#0	QPSK	21.59	-4.42	-6.57	15.02	38.45	Pass	
Band26(824-849)	3	27025	1	#Mid	QPSK	21.56	-4.42	-6.57	14.99	38.45	Pass	
Band26(824-849)	3	27025	1	#Max	QPSK	21.53	-4.42	-6.57	14.96	38.45	Pass	
Band26(824-849)	3	27025	8	#0	QPSK	21.05	-4.42	-6.57	14.48	38.45	Pass	
Band26(824-849)	3	27025	8	#Mid	QPSK	20.97	-4.42	-6.57	14.40	38.45	Pass	
Band26(824-849)	3	27025	8	#Max	QPSK	21.02	-4.42	-6.57	14.45	38.45	Pass	
Band26(824-849)	3	27025	15	#0	QPSK	21.15	-4.42	-6.57	14.58	38.45	Pass	
Band26(824-849)	3	27025	1	#0	QAM16	21.86	-4.42	-6.57	15.29	38.45	Pass	
Band26(824-849)	3	27025	1	#Mid	QAM16	21.82	-4.42	-6.57	15.25	38.45	Pass	
Band26(824-849)	3	27025	1	#Max	QAM16	21.82	-4.42	-6.57	15.25	38.45	Pass	
Band26(824-849)	3	27025	8	#0	QAM16	19.6	-4.42	-6.57	13.03	38.45	Pass	
Band26(824-849)	3	27025	8	#Mid	QAM16	19.55	-4.42	-6.57	12.98	38.45	Pass	
Band26(824-849)	3	27025	8	#Max	QAM16	19.53	-4.42	-6.57	12.96	38.45	Pass	
Band26(824-849)	3	27025	15	#0	QAM16	19.6	-4.42	-6.57	13.03	38.45	Pass	
Band26(824-849)	5	26815	1	#0	QPSK	21.66	-4.42	-6.57	15.09	38.45	Pass	
Band26(824-849)	5	26815	1	#Mid	QPSK	21.72	-4.42	-6.57	15.15	38.45	Pass	
Band26(824-849)	5	26815	1	#Max	QPSK	21.82	-4.42	-6.57	15.25	38.45	Pass	
Band26(824-849)	5	26815	12	#0	QPSK	21.41	-4.42	-6.57	14.84	38.45	Pass	
Band26(824-849)	5	26815	12	#Mid	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass	
Band26(824-849)	5	26815	12	#Max	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass	
Band26(824-849)	5	26815	25	#0	QPSK	21.29	-4.42	-6.57	14.72	38.45	Pass	
Band26(824-849)	5	26815	1	#0	QAM16	21.46	-4.42	-6.57	14.89	38.45	Pass	
Band26(824-849)	5	26815	1	#Mid	QAM16	21.41	-4.42	-6.57	14.84	38.45	Pass	
Band26(824-849)	5	26815	1	#Max	QAM16	21.46	-4.42	-6.57	14.89	38.45	Pass	
Band26(824-849)	5	26815	12	#0	QAM16	19.57	-4.42	-6.57	13.00	38.45	Pass	
Band26(824-849)	5	26815	12	#Mid	QAM16	20.07	-4.42	-6.57	13.50	38.45	Pass	



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For Question

824-849)											
Band26(824-849)	5	26815	12	#Max	QAM16	20.13	-4.42	-6.57	13.56	38.45	Pass
Band26(824-849)	5	26815	25	#0	QAM16	20.23	-4.42	-6.57	13.66	38.45	Pass
Band26(824-849)	5	26915	1	#0	QPSK	21.59	-4.42	-6.57	15.02	38.45	Pass
Band26(824-849)	5	26915	1	#Mid	QPSK	21.49	-4.42	-6.57	14.92	38.45	Pass
Band26(824-849)	5	26915	1	#Max	QPSK	21.62	-4.42	-6.57	15.05	38.45	Pass
Band26(824-849)	5	26915	12	#0	QPSK	21.14	-4.42	-6.57	14.57	38.45	Pass
Band26(824-849)	5	26915	12	#Mid	QPSK	21.19	-4.42	-6.57	14.62	38.45	Pass
Band26(824-849)	5	26915	12	#Max	QPSK	21.08	-4.42	-6.57	14.51	38.45	Pass
Band26(824-849)	5	26915	25	#0	QPSK	21.09	-4.42	-6.57	14.52	38.45	Pass
Band26(824-849)	5	26915	1	#0	QAM16	20.77	-4.42	-6.57	14.20	38.45	Pass
Band26(824-849)	5	26915	1	#Mid	QAM16	20.74	-4.42	-6.57	14.17	38.45	Pass
Band26(824-849)	5	26915	1	#Max	QAM16	20.75	-4.42	-6.57	14.18	38.45	Pass
Band26(824-849)	5	26915	12	#0	QAM16	19.95	-4.42	-6.57	13.38	38.45	Pass
Band26(824-849)	5	26915	12	#Mid	QAM16	19.4	-4.42	-6.57	12.83	38.45	Pass
Band26(824-849)	5	26915	12	#Max	QAM16	19.47	-4.42	-6.57	12.90	38.45	Pass
Band26(824-849)	5	26915	25	#0	QAM16	19.57	-4.42	-6.57	13.00	38.45	Pass
Band26(824-849)	5	27015	1	#0	QPSK	21.5	-4.42	-6.57	14.93	38.45	Pass
Band26(824-849)	5	27015	1	#Mid	QPSK	21.47	-4.42	-6.57	14.90	38.45	Pass
Band26(824-849)	5	27015	1	#Max	QPSK	21.51	-4.42	-6.57	14.94	38.45	Pass
Band26(824-849)	5	27015	12	#0	QPSK	21.12	-4.42	-6.57	14.55	38.45	Pass
Band26(824-849)	5	27015	12	#Mid	QPSK	21.12	-4.42	-6.57	14.55	38.45	Pass
Band26(824-849)	5	27015	12	#Max	QPSK	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	5	27015	25	#0	QPSK	21.17	-4.42	-6.57	14.60	38.45	Pass
Band26(824-849)	5	27015	1	#0	QAM16	21.02	-4.42	-6.57	14.45	38.45	Pass
Band26(824-849)	5	27015	1	#Mid	QAM16	20.93	-4.42	-6.57	14.36	38.45	Pass
Band26(824-849)	5	27015	1	#Max	QAM16	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	5	27015	12	#0	QAM16	19.49	-4.42	-6.57	12.92	38.45	Pass
Band26(824-849)	5	27015	12	#Mid	QAM16	19.51	-4.42	-6.57	12.94	38.45	Pass
Band26(824-849)	5	27015	12	#Max	QAM16	19.54	-4.42	-6.57	12.97	38.45	Pass
Band26(824-849)	5	27015	25	#0	QAM16	19.51	-4.42	-6.57	12.94	38.45	Pass
Band26(824-849)	10	26840	1	#0	QPSK	21.77	-4.42	-6.57	15.20	38.45	Pass
Band26(824-849)	10	26840	1	#Mid	QPSK	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(824-849)	10	26840	1	#Max	QPSK	21.63	-4.42	-6.57	15.06	38.45	Pass



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For Question,

824-849)											
Band26(824-849)	10	26840	25	#0	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass
Band26(824-849)	10	26840	25	#Mid	QPSK	21.36	-4.42	-6.57	14.79	38.45	Pass
Band26(824-849)	10	26840	25	#Max	QPSK	21.31	-4.42	-6.57	14.74	38.45	Pass
Band26(824-849)	10	26840	50	#0	QPSK	21.36	-4.42	-6.57	14.79	38.45	Pass
Band26(824-849)	10	26840	1	#0	QAM16	22.33	-4.42	-6.57	15.76	38.45	Pass
Band26(824-849)	10	26840	1	#Mid	QAM16	22.35	-4.42	-6.57	15.78	38.45	Pass
Band26(824-849)	10	26840	1	#Max	QAM16	22.16	-4.42	-6.57	15.59	38.45	Pass
Band26(824-849)	10	26840	25	#0	QAM16	20.03	-4.42	-6.57	13.46	38.45	Pass
Band26(824-849)	10	26840	25	#Mid	QAM16	19.8	-4.42	-6.57	13.23	38.45	Pass
Band26(824-849)	10	26840	25	#Max	QAM16	19.6	-4.42	-6.57	13.03	38.45	Pass
Band26(824-849)	10	26840	50	#0	QAM16	19.8	-4.42	-6.57	13.23	38.45	Pass
Band26(824-849)	10	26915	1	#0	QPSK	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(824-849)	10	26915	1	#Mid	QPSK	21.75	-4.42	-6.57	15.18	38.45	Pass
Band26(824-849)	10	26915	1	#Max	QPSK	21.69	-4.42	-6.57	15.12	38.45	Pass
Band26(824-849)	10	26915	25	#0	QPSK	21.3	-4.42	-6.57	14.73	38.45	Pass
Band26(824-849)	10	26915	25	#Mid	QPSK	21.19	-4.42	-6.57	14.62	38.45	Pass
Band26(824-849)	10	26915	25	#Max	QPSK	21.24	-4.42	-6.57	14.67	38.45	Pass
Band26(824-849)	10	26915	50	#0	QPSK	21.27	-4.42	-6.57	14.70	38.45	Pass
Band26(824-849)	10	26915	1	#0	QAM16	21.07	-4.42	-6.57	14.50	38.45	Pass
Band26(824-849)	10	26915	1	#Mid	QAM16	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	10	26915	1	#Max	QAM16	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	10	26915	25	#0	QAM16	20.11	-4.42	-6.57	13.54	38.45	Pass
Band26(824-849)	10	26915	25	#Mid	QAM16	19.63	-4.42	-6.57	13.06	38.45	Pass
Band26(824-849)	10	26915	25	#Max	QAM16	19.69	-4.42	-6.57	13.12	38.45	Pass
Band26(824-849)	10	26915	50	#0	QAM16	19.64	-4.42	-6.57	13.07	38.45	Pass
Band26(824-849)	10	26990	1	#0	QPSK	21.62	-4.42	-6.57	15.05	38.45	Pass
Band26(824-849)	10	26990	1	#Mid	QPSK	21.58	-4.42	-6.57	15.01	38.45	Pass
Band26(824-849)	10	26990	1	#Max	QPSK	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(824-849)	10	26990	25	#0	QPSK	21.08	-4.42	-6.57	14.51	38.45	Pass
Band26(824-849)	10	26990	25	#Mid	QPSK	21.07	-4.42	-6.57	14.50	38.45	Pass
Band26(824-849)	10	26990	25	#Max	QPSK	20.96	-4.42	-6.57	14.39	38.45	Pass
Band26(824-849)	10	26990	50	#0	QPSK	21.02	-4.42	-6.57	14.45	38.45	Pass
Band26(824-849)	10	26990	1	#0	QAM16	20.91	-4.42	-6.57	14.34	38.45	Pass



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824-849)											
Band26(824-849)	10	26990	1	#Mid	QAM16	21.03	-4.42	-6.57	14.46	38.45	Pass
Band26(824-849)	10	26990	1	#Max	QAM16	20.96	-4.42	-6.57	14.39	38.45	Pass
Band26(824-849)	10	26990	25	#0	QAM16	19.51	-4.42	-6.57	12.94	38.45	Pass
Band26(824-849)	10	26990	25	#Mid	QAM16	19.99	-4.42	-6.57	13.42	38.45	Pass
Band26(824-849)	10	26990	25	#Max	QAM16	19.6	-4.42	-6.57	13.03	38.45	Pass
Band26(824-849)	10	26990	50	#0	QAM16	20.05	-4.42	-6.57	13.48	38.45	Pass
Band26(824-849)	15	26865	1	#0	QPSK	21.8	-4.42	-6.57	15.23	38.45	Pass
Band26(824-849)	15	26865	1	#Mid	QPSK	21.79	-4.42	-6.57	15.22	38.45	Pass
Band26(824-849)	15	26865	1	#Max	QPSK	21.66	-4.42	-6.57	15.09	38.45	Pass
Band26(824-849)	15	26865	36	#0	QPSK	21.36	-4.42	-6.57	14.79	38.45	Pass
Band26(824-849)	15	26865	36	#Mid	QPSK	21.22	-4.42	-6.57	14.65	38.45	Pass
Band26(824-849)	15	26865	36	#Max	QPSK	21.27	-4.42	-6.57	14.70	38.45	Pass
Band26(824-849)	15	26865	75	#0	QPSK	21.28	-4.42	-6.57	14.71	38.45	Pass
Band26(824-849)	15	26865	1	#0	QAM16	22.46	-4.42	-6.57	15.89	38.45	Pass
Band26(824-849)	15	26865	1	#Mid	QAM16	22.18	-4.42	-6.57	15.61	38.45	Pass
Band26(824-849)	15	26865	1	#Max	QAM16	22.14	-4.42	-6.57	15.57	38.45	Pass
Band26(824-849)	15	26865	36	#0	QAM16	19.83	-4.42	-6.57	13.26	38.45	Pass
Band26(824-849)	15	26865	36	#Mid	QAM16	19.59	-4.42	-6.57	13.02	38.45	Pass
Band26(824-849)	15	26865	36	#Max	QAM16	20.1	-4.42	-6.57	13.53	38.45	Pass
Band26(824-849)	15	26865	75	#0	QAM16	19.69	-4.42	-6.57	13.12	38.45	Pass
Band26(824-849)	15	26915	1	#0	QPSK	21.88	-4.42	-6.57	15.31	38.45	Pass
Band26(824-849)	15	26915	1	#Mid	QPSK	21.74	-4.42	-6.57	15.17	38.45	Pass
Band26(824-849)	15	26915	1	#Max	QPSK	21.71	-4.42	-6.57	15.14	38.45	Pass
Band26(824-849)	15	26915	36	#0	QPSK	21.18	-4.42	-6.57	14.61	38.45	Pass
Band26(824-849)	15	26915	36	#Mid	QPSK	21.18	-4.42	-6.57	14.61	38.45	Pass
Band26(824-849)	15	26915	36	#Max	QPSK	21.09	-4.42	-6.57	14.52	38.45	Pass
Band26(824-849)	15	26915	75	#0	QPSK	21.3	-4.42	-6.57	14.73	38.45	Pass
Band26(824-849)	15	26915	1	#0	QAM16	21.17	-4.42	-6.57	14.60	38.45	Pass
Band26(824-849)	15	26915	1	#Mid	QAM16	21.05	-4.42	-6.57	14.48	38.45	Pass
Band26(824-849)	15	26915	1	#Max	QAM16	21.04	-4.42	-6.57	14.47	38.45	Pass
Band26(824-849)	15	26915	36	#0	QAM16	19.76	-4.42	-6.57	13.19	38.45	Pass
Band26(824-849)	15	26915	36	#Mid	QAM16	19.69	-4.42	-6.57	13.12	38.45	Pass
Band26(824-849)	15	26915	36	#Max	QAM16	19.71	-4.42	-6.57	13.14	38.45	Pass



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824-849)										38.45	Pass
Band26(824-849)	15	26915	75	#0	QAM16	19.55	-4.42	-6.57	12.98	38.45	Pass
Band26(824-849)	15	26965	1	#0	QPSK	21.64	-4.42	-6.57	15.07	38.45	Pass
Band26(824-849)	15	26965	1	#Mid	QPSK	21.52	-4.42	-6.57	14.95	38.45	Pass
Band26(824-849)	15	26965	1	#Max	QPSK	21.62	-4.42	-6.57	15.05	38.45	Pass
Band26(824-849)	15	26965	36	#0	QPSK	21.1	-4.42	-6.57	14.53	38.45	Pass
Band26(824-849)	15	26965	36	#Mid	QPSK	21.05	-4.42	-6.57	14.48	38.45	Pass
Band26(824-849)	15	26965	36	#Max	QPSK	21.02	-4.42	-6.57	14.45	38.45	Pass
Band26(824-849)	15	26965	75	#0	QPSK	21.13	-4.42	-6.57	14.56	38.45	Pass
Band26(824-849)	15	26965	1	#0	QAM16	21.64	-4.42	-6.57	15.07	38.45	Pass
Band26(824-849)	15	26965	1	#Mid	QAM16	21.6	-4.42	-6.57	15.03	38.45	Pass
Band26(824-849)	15	26965	1	#Max	QAM16	21.54	-4.42	-6.57	14.97	38.45	Pass
Band26(824-849)	15	26965	36	#0	QAM16	19.61	-4.42	-6.57	13.04	38.45	Pass
Band26(824-849)	15	26965	36	#Mid	QAM16	19.46	-4.42	-6.57	12.89	38.45	Pass
Band26(824-849)	15	26965	36	#Max	QAM16	19.53	-4.42	-6.57	12.96	38.45	Pass
Band26(824-849)	15	26965	75	#0	QAM16	19.66	-4.42	-6.57	13.09	38.45	Pass





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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band40(230 5-2315)	5	38725	1	#0	QPSK	22.07	-2.78	19.29	24	Pass
Band40(230 5-2315)	5	38725	1	#Mid	QPSK	22.1	-2.78	19.32	24	Pass
Band40(230 5-2315)	5	38725	1	#Max	QPSK	22.08	-2.78	19.30	24	Pass
Band40(230 5-2315)	5	38725	12	#0	QPSK	21.47	-2.78	18.69	24	Pass
Band40(230 5-2315)	5	38725	12	#Mid	QPSK	21.52	-2.78	18.74	24	Pass
Band40(230 5-2315)	5	38725	12	#Max	QPSK	21.4	-2.78	18.62	24	Pass
Band40(230 5-2315)	5	38725	25	#0	QPSK	21.45	-2.78	18.67	24	Pass
Band40(230 5-2315)	5	38725	1	#0	QAM16	21.16	-2.78	18.38	24	Pass
Band40(230 5-2315)	5	38725	1	#Mid	QAM16	21.15	-2.78	18.37	24	Pass
Band40(230 5-2315)	5	38725	1	#Max	QAM16	21.13	-2.78	18.35	24	Pass
Band40(230 5-2315)	5	38725	12	#0	QAM16	19.94	-2.78	17.16	24	Pass
Band40(230 5-2315)	5	38725	12	#Mid	QAM16	19.94	-2.78	17.16	24	Pass
Band40(230 5-2315)	5	38725	12	#Max	QAM16	19.96	-2.78	17.18	24	Pass
Band40(230 5-2315)	5	38725	25	#0	QAM16	20.24	-2.78	17.46	24	Pass
Band40(230 5-2315)	5	38750	1	#0	QPSK	22.08	-2.78	19.30	24	Pass
Band40(230 5-2315)	5	38750	1	#Mid	QPSK	22.01	-2.78	19.23	24	Pass
Band40(230 5-2315)	5	38750	1	#Max	QPSK	21.96	-2.78	19.18	24	Pass
Band40(230 5-2315)	5	38750	12	#0	QPSK	21.48	-2.78	18.70	24	Pass
Band40(230 5-2315)	5	38750	12	#Mid	QPSK	21.56	-2.78	18.78	24	Pass
Band40(230 5-2315)	5	38750	12	#Max	QPSK	21.46	-2.78	18.68	24	Pass
Band40(230 5-2315)	5	38750	25	#0	QPSK	21.44	-2.78	18.66	24	Pass
Band40(230 5-2315)	5	38750	1	#0	QAM16	21.19	-2.78	18.41	24	Pass
Band40(230 5-2315)	5	38750	1	#Mid	QAM16	21.11	-2.78	18.33	24	Pass
Band40(230 5-2315)	5	38750	1	#Max	QAM16	21.17	-2.78	18.39	24	Pass
Band40(230 5-2315)	5	38750	12	#0	QAM16	19.88	-2.78	17.10	24	Pass
Band40(230 5-2315)	5	38750	12	#Mid	QAM16	19.87	-2.78	17.09	24	Pass
Band40(230 5-2315)	5	38750	12	#Max	QAM16	19.84	-2.78	17.06	24	Pass
Band40(230 5-2315)	5	38750	25	#0	QAM16	20.04	-2.78	17.26	24	Pass
Band40(230 5-2315)	5	38775	1	#0	QPSK	21.87	-2.78	19.09	24	Pass
Band40(230 5-2315)	5	38775	1	#Mid	QPSK	21.82	-2.78	19.04	24	Pass



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5-2315)										
Band40(230 5-2315)	5	38775	1	#Max	QPSK	21.84	-2.78	19.06	24	Pass
Band40(230 5-2315)	5	38775	12	#0	QPSK	21.47	-2.78	18.69	24	Pass
Band40(230 5-2315)	5	38775	12	#Mid	QPSK	21.47	-2.78	18.69	24	Pass
Band40(230 5-2315)	5	38775	12	#Max	QPSK	21.4	-2.78	18.62	24	Pass
Band40(230 5-2315)	5	38775	25	#0	QPSK	21.34	-2.78	18.56	24	Pass
Band40(230 5-2315)	5	38775	1	#0	QAM16	21.76	-2.78	18.98	24	Pass
Band40(230 5-2315)	5	38775	1	#Mid	QAM16	21.76	-2.78	18.98	24	Pass
Band40(230 5-2315)	5	38775	1	#Max	QAM16	21.81	-2.78	19.03	24	Pass
Band40(230 5-2315)	5	38775	12	#0	QAM16	20.01	-2.78	17.23	24	Pass
Band40(230 5-2315)	5	38775	12	#Mid	QAM16	19.93	-2.78	17.15	24	Pass
Band40(230 5-2315)	5	38775	12	#Max	QAM16	19.91	-2.78	17.13	24	Pass
Band40(230 5-2315)	5	38775	25	#0	QAM16	20.09	-2.78	17.31	24	Pass
Band40(230 5-2315)	10	38750	1	#0	QPSK	22.13	-2.78	19.35	24	Pass
Band40(230 5-2315)	10	38750	1	#Mid	QPSK	22.07	-2.78	19.29	24	Pass
Band40(230 5-2315)	10	38750	1	#Max	QPSK	22.08	-2.78	19.30	24	Pass
Band40(230 5-2315)	10	38750	25	#0	QPSK	21.5	-2.78	18.72	24	Pass
Band40(230 5-2315)	10	38750	25	#Mid	QPSK	21.51	-2.78	18.73	24	Pass
Band40(230 5-2315)	10	38750	25	#Max	QPSK	21.54	-2.78	18.76	24	Pass
Band40(230 5-2315)	10	38750	50	#0	QPSK	21.48	-2.78	18.70	24	Pass
Band40(230 5-2315)	10	38750	1	#0	QAM16	21.89	-2.78	19.11	24	Pass
Band40(230 5-2315)	10	38750	1	#Mid	QAM16	21.92	-2.78	19.14	24	Pass
Band40(230 5-2315)	10	38750	1	#Max	QAM16	21.94	-2.78	19.16	24	Pass
Band40(230 5-2315)	10	38750	25	#0	QAM16	20.03	-2.78	17.25	24	Pass
Band40(230 5-2315)	10	38750	25	#Mid	QAM16	19.87	-2.78	17.09	24	Pass
Band40(230 5-2315)	10	38750	25	#Max	QAM16	19.97	-2.78	17.19	24	Pass
Band40(230 5-2315)	10	38750	50	#0	QAM16	20.12	-2.78	17.34	24	Pass





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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band40(2350-2360)	5	39175	1	#0	QPSK	21.62	-2.78	18.84	24	Pass
Band40(2350-2360)	5	39175	1	#Mid	QPSK	21.59	-2.78	18.81	24	Pass
Band40(2350-2360)	5	39175	1	#Max	QPSK	21.64	-2.78	18.86	24	Pass
Band40(2350-2360)	5	39175	12	#0	QPSK	21.26	-2.78	18.48	24	Pass
Band40(2350-2360)	5	39175	12	#Mid	QPSK	21.2	-2.78	18.42	24	Pass
Band40(2350-2360)	5	39175	12	#Max	QPSK	21.18	-2.78	18.40	24	Pass
Band40(2350-2360)	5	39175	25	#0	QPSK	21.24	-2.78	18.46	24	Pass
Band40(2350-2360)	5	39175	1	#0	QAM16	20.87	-2.78	18.09	24	Pass
Band40(2350-2360)	5	39175	1	#Mid	QAM16	20.9	-2.78	18.12	24	Pass
Band40(2350-2360)	5	39175	1	#Max	QAM16	21.01	-2.78	18.23	24	Pass
Band40(2350-2360)	5	39175	12	#0	QAM16	19.65	-2.78	16.87	24	Pass
Band40(2350-2360)	5	39175	12	#Mid	QAM16	19.64	-2.78	16.86	24	Pass
Band40(2350-2360)	5	39175	12	#Max	QAM16	19.58	-2.78	16.80	24	Pass
Band40(2350-2360)	5	39175	25	#0	QAM16	19.93	-2.78	17.15	24	Pass
Band40(2350-2360)	5	39200	1	#0	QPSK	21.48	-2.78	18.70	24	Pass
Band40(2350-2360)	5	39200	1	#Mid	QPSK	21.47	-2.78	18.69	24	Pass
Band40(2350-2360)	5	39200	1	#Max	QPSK	21.51	-2.78	18.73	24	Pass
Band40(2350-2360)	5	39200	12	#0	QPSK	21.16	-2.78	18.38	24	Pass
Band40(2350-2360)	5	39200	12	#Mid	QPSK	21.12	-2.78	18.34	24	Pass
Band40(2350-2360)	5	39200	12	#Max	QPSK	21.11	-2.78	18.33	24	Pass
Band40(2350-2360)	5	39200	25	#0	QPSK	21.14	-2.78	18.36	24	Pass
Band40(2350-2360)	5	39200	1	#0	QAM16	21.37	-2.78	18.59	24	Pass
Band40(2350-2360)	5	39200	1	#Mid	QAM16	21.4	-2.78	18.62	24	Pass
Band40(2350-2360)	5	39200	1	#Max	QAM16	21.43	-2.78	18.65	24	Pass
Band40(2350-2360)	5	39200	12	#0	QAM16	19.61	-2.78	16.83	24	Pass
Band40(2350-2360)	5	39200	12	#Mid	QAM16	19.61	-2.78	16.83	24	Pass
Band40(2350-2360)	5	39200	12	#Max	QAM16	19.55	-2.78	16.77	24	Pass
Band40(2350-2360)	5	39200	25	#0	QAM16	19.78	-2.78	17.00	24	Pass
Band40(2350-2360)	5	39225	1	#0	QPSK	21.77	-2.78	18.99	24	Pass
Band40(2350-2360)	5	39225	1	#Mid	QPSK	21.74	-2.78	18.96	24	Pass



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0-2360)										
Band40(235 0-2360)	5	39225	1	#Max	QPSK	21.76	-2.78	18.98	24	Pass
Band40(235 0-2360)	5	39225	12	#0	QPSK	21.09	-2.78	18.31	24	Pass
Band40(235 0-2360)	5	39225	12	#Mid	QPSK	21.21	-2.78	18.43	24	Pass
Band40(235 0-2360)	5	39225	12	#Max	QPSK	21.13	-2.78	18.35	24	Pass
Band40(235 0-2360)	5	39225	25	#0	QPSK	21.18	-2.78	18.40	24	Pass
Band40(235 0-2360)	5	39225	1	#0	QAM16	20.86	-2.78	18.08	24	Pass
Band40(235 0-2360)	5	39225	1	#Mid	QAM16	20.87	-2.78	18.09	24	Pass
Band40(235 0-2360)	5	39225	1	#Max	QAM16	20.89	-2.78	18.11	24	Pass
Band40(235 0-2360)	5	39225	12	#0	QAM16	19.53	-2.78	16.75	24	Pass
Band40(235 0-2360)	5	39225	12	#Mid	QAM16	19.66	-2.78	16.88	24	Pass
Band40(235 0-2360)	5	39225	12	#Max	QAM16	19.69	-2.78	16.91	24	Pass
Band40(235 0-2360)	5	39225	25	#0	QAM16	19.9	-2.78	17.12	24	Pass
Band40(235 0-2360)	10	39200	1	#0	QPSK	21.74	-2.78	18.96	24	Pass
Band40(235 0-2360)	10	39200	1	#Mid	QPSK	21.8	-2.78	19.02	24	Pass
Band40(235 0-2360)	10	39200	1	#Max	QPSK	21.84	-2.78	19.06	24	Pass
Band40(235 0-2360)	10	39200	25	#0	QPSK	21.12	-2.78	18.34	24	Pass
Band40(235 0-2360)	10	39200	25	#Mid	QPSK	21.15	-2.78	18.37	24	Pass
Band40(235 0-2360)	10	39200	25	#Max	QPSK	21.12	-2.78	18.34	24	Pass
Band40(235 0-2360)	10	39200	50	#0	QPSK	21.2	-2.78	18.42	24	Pass
Band40(235 0-2360)	10	39200	1	#0	QAM16	21.53	-2.78	18.75	24	Pass
Band40(235 0-2360)	10	39200	1	#Mid	QAM16	21.83	-2.78	19.05	24	Pass
Band40(235 0-2360)	10	39200	1	#Max	QAM16	21.82	-2.78	19.04	24	Pass
Band40(235 0-2360)	10	39200	25	#0	QAM16	19.72	-2.78	16.94	24	Pass
Band40(235 0-2360)	10	39200	25	#Mid	QAM16	19.66	-2.78	16.88	24	Pass
Band40(235 0-2360)	10	39200	25	#Max	QAM16	19.69	-2.78	16.91	24	Pass
Band40(235 0-2360)	10	39200	50	#0	QAM16	19.81	-2.78	17.03	24	Pass





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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict
Band41	5	40065	1	#0	QPSK	21.74	-2.17	19.57	33.01	Pass
Band41	5	40065	1	#Mid	QPSK	21.86	-2.17	19.69	33.01	Pass
Band41	5	40065	1	#Max	QPSK	21.83	-2.17	19.66	33.01	Pass
Band41	5	40065	12	#0	QPSK	21.29	-2.17	19.12	33.01	Pass
Band41	5	40065	12	#Mid	QPSK	21.29	-2.17	19.12	33.01	Pass
Band41	5	40065	12	#Max	QPSK	21.41	-2.17	19.24	33.01	Pass
Band41	5	40065	25	#0	QPSK	21.4	-2.17	19.23	33.01	Pass
Band41	5	40065	1	#0	16QAM	21.22	-2.17	19.05	33.01	Pass
Band41	5	40065	1	#Mid	16QAM	21.14	-2.17	18.97	33.01	Pass
Band41	5	40065	1	#Max	16QAM	21.26	-2.17	19.09	33.01	Pass
Band41	5	40065	12	#0	16QAM	19.9	-2.17	17.73	33.01	Pass
Band41	5	40065	12	#Mid	16QAM	19.91	-2.17	17.74	33.01	Pass
Band41	5	40065	12	#Max	16QAM	19.91	-2.17	17.74	33.01	Pass
Band41	5	40065	25	#0	16QAM	19.98	-2.17	17.81	33.01	Pass
Band41	5	40640	1	#0	QPSK	22.09	-2.17	19.92	33.01	Pass
Band41	5	40640	1	#Mid	QPSK	22.09	-2.17	19.92	33.01	Pass
Band41	5	40640	1	#Max	QPSK	21.94	-2.17	19.77	33.01	Pass
Band41	5	40640	12	#0	QPSK	21.64	-2.17	19.47	33.01	Pass
Band41	5	40640	12	#Mid	QPSK	21.61	-2.17	19.44	33.01	Pass
Band41	5	40640	12	#Max	QPSK	21.51	-2.17	19.34	33.01	Pass
Band41	5	40640	25	#0	QPSK	21.62	-2.17	19.45	33.01	Pass
Band41	5	40640	1	#0	16QAM	21.38	-2.17	19.21	33.01	Pass
Band41	5	40640	1	#Mid	16QAM	21.29	-2.17	19.12	33.01	Pass
Band41	5	40640	1	#Max	16QAM	21.16	-2.17	18.99	33.01	Pass
Band41	5	40640	12	#0	16QAM	20.04	-2.17	17.87	33.01	Pass
Band41	5	40640	12	#Mid	16QAM	20.09	-2.17	17.92	33.01	Pass
Band41	5	40640	12	#Max	16QAM	19.96	-2.17	17.79	33.01	Pass
Band41	5	40640	25	#0	16QAM	20.25	-2.17	18.08	33.01	Pass
Band41	5	41215	1	#0	QPSK	21.86	-2.17	19.69	33.01	Pass
Band41	5	41215	1	#Mid	QPSK	21.87	-2.17	19.70	33.01	Pass
Band41	5	41215	1	#Max	QPSK	21.91	-2.17	19.74	33.01	Pass
Band41	5	41215	12	#0	QPSK	21.63	-2.17	19.46	33.01	Pass
Band41	5	41215	12	#Mid	QPSK	21.54	-2.17	19.37	33.01	Pass
Band41	5	41215	12	#Max	QPSK	21.59	-2.17	19.42	33.01	Pass
Band41	5	41215	25	#0	QPSK	21.59	-2.17	19.42	33.01	Pass
Band41	5	41215	1	#0	16QAM	21.83	-2.17	19.66	33.01	Pass
Band41	5	41215	1	#Mid	16QAM	21.88	-2.17	19.71	33.01	Pass
Band41	5	41215	1	#Max	16QAM	21.85	-2.17	19.68	33.01	Pass
Band41	5	41215	12	#0	16QAM	20.12	-2.17	17.95	33.01	Pass
Band41	5	41215	12	#Mid	16QAM	20.16	-2.17	17.99	33.01	Pass
Band41	5	41215	12	#Max	16QAM	20.15	-2.17	17.98	33.01	Pass
Band41	5	41215	25	#0	16QAM	20.28	-2.17	18.11	33.01	Pass
Band41	10	40090	1	#0	QPSK	21.98	-2.17	19.81	33.01	Pass
Band41	10	40090	1	#Mid	QPSK	22.07	-2.17	19.90	33.01	Pass
Band41	10	40090	1	#Max	QPSK	22.2	-2.17	20.03	33.01	Pass
Band41	10	40090	25	#0	QPSK	21.33	-2.17	19.16	33.01	Pass
Band41	10	40090	25	#Mid	QPSK	21.36	-2.17	19.19	33.01	Pass
Band41	10	40090	25	#Max	QPSK	21.53	-2.17	19.36	33.01	Pass
Band41	10	40090	50	#0	QPSK	21.59	-2.17	19.42	33.01	Pass
Band41	10	40090	1	#0	16QAM	21.72	-2.17	19.55	33.01	Pass
Band41	10	40090	1	#Mid	16QAM	22.08	-2.17	19.91	33.01	Pass
Band41	10	40090	1	#Max	16QAM	22.13	-2.17	19.96	33.01	Pass
Band41	10	40090	25	#0	16QAM	19.95	-2.17	17.78	33.01	Pass
Band41	10	40090	25	#Mid	16QAM	19.94	-2.17	17.77	33.01	Pass
Band41	10	40090	25	#Max	16QAM	20.03	-2.17	17.86	33.01	Pass
Band41	10	40090	50	#0	16QAM	20.1	-2.17	17.93	33.01	Pass
Band41	10	40640	1	#0	QPSK	22.37	-2.17	20.20	33.01	Pass
Band41	10	40640	1	#Mid	QPSK	22.09	-2.17	19.92	33.01	Pass



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Band41	10	40640	1	#Max	QPSK	22.17	-2.17	20.00	33.01	Pass
Band41	10	40640	25	#0	QPSK	21.58	-2.17	19.41	33.01	Pass
Band41	10	40640	25	#Mid	QPSK	21.45	-2.17	19.28	33.01	Pass
Band41	10	40640	25	#Max	QPSK	21.49	-2.17	19.32	33.01	Pass
Band41	10	40640	50	#0	QPSK	21.53	-2.17	19.36	33.01	Pass
Band41	10	40640	1	#0	16QAM	21.45	-2.17	19.28	33.01	Pass
Band41	10	40640	1	#Mid	16QAM	21.21	-2.17	19.04	33.01	Pass
Band41	10	40640	1	#Max	16QAM	21.24	-2.17	19.07	33.01	Pass
Band41	10	40640	25	#0	16QAM	20.27	-2.17	18.10	33.01	Pass
Band41	10	40640	25	#Mid	16QAM	20.2	-2.17	18.03	33.01	Pass
Band41	10	40640	25	#Max	16QAM	20.14	-2.17	17.97	33.01	Pass
Band41	10	40640	50	#0	16QAM	20.22	-2.17	18.05	33.01	Pass
Band41	10	41190	1	#0	QPSK	21.85	-2.17	19.68	33.01	Pass
Band41	10	41190	1	#Mid	QPSK	21.95	-2.17	19.78	33.01	Pass
Band41	10	41190	1	#Max	QPSK	22.12	-2.17	19.95	33.01	Pass
Band41	10	41190	25	#0	QPSK	21.42	-2.17	19.25	33.01	Pass
Band41	10	41190	25	#Mid	QPSK	21.5	-2.17	19.33	33.01	Pass
Band41	10	41190	25	#Max	QPSK	21.7	-2.17	19.53	33.01	Pass
Band41	10	41190	50	#0	QPSK	21.54	-2.17	19.37	33.01	Pass
Band41	10	41190	1	#0	16QAM	21.68	-2.17	19.51	33.01	Pass
Band41	10	41190	1	#Mid	16QAM	21.85	-2.17	19.68	33.01	Pass
Band41	10	41190	1	#Max	16QAM	22.02	-2.17	19.85	33.01	Pass
Band41	10	41190	25	#0	16QAM	20.17	-2.17	18.00	33.01	Pass
Band41	10	41190	25	#Mid	16QAM	20.22	-2.17	18.05	33.01	Pass
Band41	10	41190	25	#Max	16QAM	20.31	-2.17	18.14	33.01	Pass
Band41	10	41190	50	#0	16QAM	20.11	-2.17	17.94	33.01	Pass
Band41	15	40115	1	#0	QPSK	22.01	-2.17	19.84	33.01	Pass
Band41	15	40115	1	#Mid	QPSK	22.2	-2.17	20.03	33.01	Pass
Band41	15	40115	1	#Max	QPSK	22.35	-2.17	20.18	33.01	Pass
Band41	15	40115	36	#0	QPSK	21.32	-2.17	19.15	33.01	Pass
Band41	15	40115	36	#Mid	QPSK	21.57	-2.17	19.40	33.01	Pass
Band41	15	40115	36	#Max	QPSK	21.67	-2.17	19.50	33.01	Pass
Band41	15	40115	75	#0	QPSK	21.43	-2.17	19.26	33.01	Pass
Band41	15	40115	1	#0	16QAM	21.77	-2.17	19.60	33.01	Pass
Band41	15	40115	1	#Mid	16QAM	22.06	-2.17	19.89	33.01	Pass
Band41	15	40115	1	#Max	16QAM	22.08	-2.17	19.91	33.01	Pass
Band41	15	40115	36	#0	16QAM	20.07	-2.17	17.90	33.01	Pass
Band41	15	40115	36	#Mid	16QAM	20.1	-2.17	17.93	33.01	Pass
Band41	15	40115	36	#Max	16QAM	20.18	-2.17	18.01	33.01	Pass
Band41	15	40115	75	#0	16QAM	20.08	-2.17	17.91	33.01	Pass
Band41	15	40640	1	#0	QPSK	22.38	-2.17	20.21	33.01	Pass
Band41	15	40640	1	#Mid	QPSK	22.12	-2.17	19.95	33.01	Pass
Band41	15	40640	1	#Max	QPSK	22.08	-2.17	19.91	33.01	Pass
Band41	15	40640	36	#0	QPSK	21.76	-2.17	19.59	33.01	Pass
Band41	15	40640	36	#Mid	QPSK	21.55	-2.17	19.38	33.01	Pass
Band41	15	40640	36	#Max	QPSK	21.39	-2.17	19.22	33.01	Pass
Band41	15	40640	75	#0	QPSK	21.65	-2.17	19.48	33.01	Pass
Band41	15	40640	1	#0	16QAM	21.47	-2.17	19.30	33.01	Pass
Band41	15	40640	1	#Mid	16QAM	21.32	-2.17	19.15	33.01	Pass
Band41	15	40640	1	#Max	16QAM	21.12	-2.17	18.95	33.01	Pass
Band41	15	40640	36	#0	16QAM	20.24	-2.17	18.07	33.01	Pass
Band41	15	40640	36	#Mid	16QAM	20.11	-2.17	17.94	33.01	Pass
Band41	15	40640	36	#Max	16QAM	20.11	-2.17	17.94	33.01	Pass
Band41	15	40640	75	#0	16QAM	20.17	-2.17	18.00	33.01	Pass
Band41	15	41165	1	#0	QPSK	21.73	-2.17	19.56	33.01	Pass
Band41	15	41165	1	#Mid	QPSK	21.92	-2.17	19.75	33.01	Pass
Band41	15	41165	1	#Max	QPSK	22.17	-2.17	20.00	33.01	Pass
Band41	15	41165	36	#0	QPSK	21.39	-2.17	19.22	33.01	Pass
Band41	15	41165	36	#Mid	QPSK	21.44	-2.17	19.27	33.01	Pass
Band41	15	41165	36	#Max	QPSK	21.52	-2.17	19.35	33.01	Pass
Band41	15	41165	75	#0	QPSK	21.52	-2.17	19.35	33.01	Pass
Band41	15	41165	1	#0	16QAM	21.52	-2.17	19.35	33.01	Pass
Band41	15	41165	1	#Mid	16QAM	21.71	-2.17	19.54	33.01	Pass
Band41	15	41165	1	#Max	16QAM	21.92	-2.17	19.75	33.01	Pass
Band41	15	41165	36	#0	16QAM	19.94	-2.17	17.77	33.01	Pass



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Band41	15	41165	36	#Mid	16QAM	20.14	-2.17	17.97	33.01	Pass
Band41	15	41165	36	#Max	16QAM	20.22	-2.17	18.05	33.01	Pass
Band41	15	41165	75	#0	16QAM	20.16	-2.17	17.99	33.01	Pass
Band41	20	40140	1	#0	QPSK	21.82	-2.17	19.65	33.01	Pass
Band41	20	40140	1	#Mid	QPSK	22.08	-2.17	19.91	33.01	Pass
Band41	20	40140	1	#Max	QPSK	22.21	-2.17	20.04	33.01	Pass
Band41	20	40140	50	#0	QPSK	21.5	-2.17	19.33	33.01	Pass
Band41	20	40140	50	#Mid	QPSK	21.63	-2.17	19.46	33.01	Pass
Band41	20	40140	50	#Max	QPSK	21.79	-2.17	19.62	33.01	Pass
Band41	20	40140	100	#0	QPSK	21.51	-2.17	19.34	33.01	Pass
Band41	20	40140	1	#0	16QAM	21.02	-2.17	18.85	33.01	Pass
Band41	20	40140	1	#Mid	16QAM	21.32	-2.17	19.15	33.01	Pass
Band41	20	40140	1	#Max	16QAM	21.31	-2.17	19.14	33.01	Pass
Band41	20	40140	50	#0	16QAM	20.09	-2.17	17.92	33.01	Pass
Band41	20	40140	50	#Mid	16QAM	20.3	-2.17	18.13	33.01	Pass
Band41	20	40140	50	#Max	16QAM	20.48	-2.17	18.31	33.01	Pass
Band41	20	40140	100	#0	16QAM	20.07	-2.17	17.90	33.01	Pass
Band41	20	40640	1	#0	QPSK	22.07	-2.17	19.90	33.01	Pass
Band41	20	40640	1	#Mid	QPSK	21.87	-2.17	19.70	33.01	Pass
Band41	20	40640	1	#Max	QPSK	21.64	-2.17	19.47	33.01	Pass
Band41	20	40640	50	#0	QPSK	21.75	-2.17	19.58	33.01	Pass
Band41	20	40640	50	#Mid	QPSK	21.57	-2.17	19.40	33.01	Pass
Band41	20	40640	50	#Max	QPSK	21.41	-2.17	19.24	33.01	Pass
Band41	20	40640	100	#0	QPSK	21.55	-2.17	19.38	33.01	Pass
Band41	20	40640	1	#0	16QAM	21.03	-2.17	18.86	33.01	Pass
Band41	20	40640	1	#Mid	16QAM	20.71	-2.17	18.54	33.01	Pass
Band41	20	40640	1	#Max	16QAM	20.69	-2.17	18.52	33.01	Pass
Band41	20	40640	50	#0	16QAM	20.32	-2.17	18.15	33.01	Pass
Band41	20	40640	50	#Mid	16QAM	20.18	-2.17	18.01	33.01	Pass
Band41	20	40640	50	#Max	16QAM	20.12	-2.17	17.95	33.01	Pass
Band41	20	40640	100	#0	16QAM	20.02	-2.17	17.85	33.01	Pass
Band41	20	41140	1	#0	QPSK	21.81	-2.17	19.64	33.01	Pass
Band41	20	41140	1	#Mid	QPSK	22.09	-2.17	19.92	33.01	Pass
Band41	20	41140	1	#Max	QPSK	22.3	-2.17	20.13	33.01	Pass
Band41	20	41140	50	#0	QPSK	21.16	-2.17	18.99	33.01	Pass
Band41	20	41140	50	#Mid	QPSK	21.33	-2.17	19.16	33.01	Pass
Band41	20	41140	50	#Max	QPSK	21.46	-2.17	19.29	33.01	Pass
Band41	20	41140	100	#0	QPSK	21.36	-2.17	19.19	33.01	Pass
Band41	20	41140	1	#0	16QAM	21.54	-2.17	19.37	33.01	Pass
Band41	20	41140	1	#Mid	16QAM	21.8	-2.17	19.63	33.01	Pass
Band41	20	41140	1	#Max	16QAM	22.16	-2.17	19.99	33.01	Pass
Band41	20	41140	50	#0	16QAM	19.83	-2.17	17.66	33.01	Pass
Band41	20	41140	50	#Mid	16QAM	19.94	-2.17	17.77	33.01	Pass
Band41	20	41140	50	#Max	16QAM	20.14	-2.17	17.97	33.01	Pass
Band41	20	41140	100	#0	16QAM	19.85	-2.17	17.68	33.01	Pass





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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4	131979	1	#0	QPSK	22.73	-2.97	19.76	30.00	Pass
Band66	1.4	131979	1	#Mid	QPSK	22.73	-2.97	19.76	30.00	Pass
Band66	1.4	131979	1	#Max	QPSK	22.77	-2.97	19.80	30.00	Pass
Band66	1.4	131979	3	#0	QPSK	22.73	-2.97	19.76	30.00	Pass
Band66	1.4	131979	3	#Mid	QPSK	22.66	-2.97	19.69	30.00	Pass
Band66	1.4	131979	3	#Max	QPSK	22.71	-2.97	19.74	30.00	Pass
Band66	1.4	131979	6	#0	QPSK	22.33	-2.97	19.36	30.00	Pass
Band66	1.4	131979	1	#0	16QAM	22.61	-2.97	19.64	30.00	Pass
Band66	1.4	131979	1	#Mid	16QAM	22.66	-2.97	19.69	30.00	Pass
Band66	1.4	131979	1	#Max	16QAM	22.57	-2.97	19.60	30.00	Pass
Band66	1.4	131979	3	#0	16QAM	22.29	-2.97	19.32	30.00	Pass
Band66	1.4	131979	3	#Mid	16QAM	22.22	-2.97	19.25	30.00	Pass
Band66	1.4	131979	3	#Max	16QAM	22.24	-2.97	19.27	30.00	Pass
Band66	1.4	131979	6	#0	16QAM	21.01	-2.97	18.04	30.00	Pass
Band66	1.4	132322	1	#0	QPSK	23.22	-2.97	20.25	30.00	Pass
Band66	1.4	132322	1	#Mid	QPSK	23.18	-2.97	20.21	30.00	Pass
Band66	1.4	132322	1	#Max	QPSK	23.23	-2.97	20.26	30.00	Pass
Band66	1.4	132322	3	#0	QPSK	22.93	-2.97	19.96	30.00	Pass
Band66	1.4	132322	3	#Mid	QPSK	22.99	-2.97	20.02	30.00	Pass
Band66	1.4	132322	3	#Max	QPSK	22.94	-2.97	19.97	30.00	Pass
Band66	1.4	132322	6	#0	QPSK	22.57	-2.97	19.60	30.00	Pass
Band66	1.4	132322	1	#0	16QAM	23.59	-2.97	20.62	30.00	Pass
Band66	1.4	132322	1	#Mid	16QAM	23.62	-2.97	20.65	30.00	Pass
Band66	1.4	132322	1	#Max	16QAM	23.6	-2.97	20.63	30.00	Pass
Band66	1.4	132322	3	#0	16QAM	22.66	-2.97	19.69	30.00	Pass
Band66	1.4	132322	3	#Mid	16QAM	22.64	-2.97	19.67	30.00	Pass
Band66	1.4	132322	3	#Max	16QAM	22.66	-2.97	19.69	30.00	Pass
Band66	1.4	132322	6	#0	16QAM	21.27	-2.97	18.30	30.00	Pass
Band66	1.4	132665	1	#0	QPSK	23	-2.97	20.03	30.00	Pass
Band66	1.4	132665	1	#Mid	QPSK	23.01	-2.97	20.04	30.00	Pass
Band66	1.4	132665	1	#Max	QPSK	22.97	-2.97	20.00	30.00	Pass
Band66	1.4	132665	3	#0	QPSK	23.11	-2.97	20.14	30.00	Pass
Band66	1.4	132665	3	#Mid	QPSK	23	-2.97	20.03	30.00	Pass
Band66	1.4	132665	3	#Max	QPSK	23.01	-2.97	20.04	30.00	Pass
Band66	1.4	132665	6	#0	QPSK	22.53	-2.97	19.56	30.00	Pass
Band66	1.4	132665	1	#0	16QAM	23.31	-2.97	20.34	30.00	Pass
Band66	1.4	132665	1	#Mid	16QAM	23.4	-2.97	20.43	30.00	Pass
Band66	1.4	132665	1	#Max	16QAM	23.31	-2.97	20.34	30.00	Pass
Band66	1.4	132665	3	#0	16QAM	22.2	-2.97	19.23	30.00	Pass
Band66	1.4	132665	3	#Mid	16QAM	22.16	-2.97	19.19	30.00	Pass
Band66	1.4	132665	3	#Max	16QAM	22.17	-2.97	19.20	30.00	Pass
Band66	1.4	132665	6	#0	16QAM	21.04	-2.97	18.07	30.00	Pass
Band66	3	131987	1	#0	QPSK	22.79	-2.97	19.82	30.00	Pass
Band66	3	131987	1	#Mid	QPSK	22.63	-2.97	19.66	30.00	Pass
Band66	3	131987	1	#Max	QPSK	22.82	-2.97	19.85	30.00	Pass
Band66	3	131987	8	#0	QPSK	22.1	-2.97	19.13	30.00	Pass
Band66	3	131987	8	#Mid	QPSK	22.18	-2.97	19.21	30.00	Pass
Band66	3	131987	8	#Max	QPSK	22.13	-2.97	19.16	30.00	Pass
Band66	3	131987	15	#0	QPSK	22.23	-2.97	19.26	30.00	Pass
Band66	3	131987	1	#0	16QAM	23.35	-2.97	20.38	30.00	Pass
Band66	3	131987	1	#Mid	16QAM	23.36	-2.97	20.39	30.00	Pass
Band66	3	131987	1	#Max	16QAM	23.4	-2.97	20.43	30.00	Pass
Band66	3	131987	8	#0	16QAM	20.71	-2.97	17.74	30.00	Pass
Band66	3	131987	8	#Mid	16QAM	20.66	-2.97	17.69	30.00	Pass
Band66	3	131987	8	#Max	16QAM	21.1	-2.97	18.13	30.00	Pass
Band66	3	131987	15	#0	16QAM	20.92	-2.97	17.95	30.00	Pass
Band66	3	132322	1	#0	QPSK	22.87	-2.97	19.90	30.00	Pass
Band66	3	132322	1	#Mid	QPSK	22.9	-2.97	19.93	30.00	Pass



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Band66	3	132322	1	#Max	QPSK	23.03	-2.97	20.06	30.00	Pass
Band66	3	132322	8	#0	QPSK	22.54	-2.97	19.57	30.00	Pass
Band66	3	132322	8	#Mid	QPSK	22.59	-2.97	19.62	30.00	Pass
Band66	3	132322	8	#Max	QPSK	22.57	-2.97	19.60	30.00	Pass
Band66	3	132322	15	#0	QPSK	22.56	-2.97	19.59	30.00	Pass
Band66	3	132322	1	#0	16QAM	23.1	-2.97	20.13	30.00	Pass
Band66	3	132322	1	#Mid	16QAM	23.16	-2.97	20.19	30.00	Pass
Band66	3	132322	1	#Max	16QAM	23.1	-2.97	20.13	30.00	Pass
Band66	3	132322	8	#0	16QAM	21.24	-2.97	18.27	30.00	Pass
Band66	3	132322	8	#Mid	16QAM	21.28	-2.97	18.31	30.00	Pass
Band66	3	132322	8	#Max	16QAM	21.24	-2.97	18.27	30.00	Pass
Band66	3	132322	15	#0	16QAM	21.11	-2.97	18.14	30.00	Pass
Band66	3	132657	1	#0	QPSK	22.95	-2.97	19.98	30.00	Pass
Band66	3	132657	1	#Mid	QPSK	22.97	-2.97	20.00	30.00	Pass
Band66	3	132657	1	#Max	QPSK	23.01	-2.97	20.04	30.00	Pass
Band66	3	132657	8	#0	QPSK	22.5	-2.97	19.53	30.00	Pass
Band66	3	132657	8	#Mid	QPSK	22.59	-2.97	19.62	30.00	Pass
Band66	3	132657	8	#Max	QPSK	22.59	-2.97	19.62	30.00	Pass
Band66	3	132657	15	#0	QPSK	22.56	-2.97	19.59	30.00	Pass
Band66	3	132657	1	#0	16QAM	22.86	-2.97	19.89	30.00	Pass
Band66	3	132657	1	#Mid	16QAM	22.87	-2.97	19.90	30.00	Pass
Band66	3	132657	1	#Max	16QAM	23.02	-2.97	20.05	30.00	Pass
Band66	3	132657	8	#0	16QAM	20.94	-2.97	17.97	30.00	Pass
Band66	3	132657	8	#Mid	16QAM	21.16	-2.97	18.19	30.00	Pass
Band66	3	132657	8	#Max	16QAM	21.16	-2.97	18.19	30.00	Pass
Band66	3	132657	15	#0	16QAM	21.19	-2.97	18.22	30.00	Pass
Band66	5	131997	1	#0	QPSK	22.56	-2.97	19.59	30.00	Pass
Band66	5	131997	1	#Mid	QPSK	22.59	-2.97	19.62	30.00	Pass
Band66	5	131997	1	#Max	QPSK	22.71	-2.97	19.74	30.00	Pass
Band66	5	131997	12	#0	QPSK	22.21	-2.97	19.24	30.00	Pass
Band66	5	131997	12	#Mid	QPSK	22.29	-2.97	19.32	30.00	Pass
Band66	5	131997	12	#Max	QPSK	22.26	-2.97	19.29	30.00	Pass
Band66	5	131997	25	#0	QPSK	22.25	-2.97	19.28	30.00	Pass
Band66	5	131997	1	#0	16QAM	22.46	-2.97	19.49	30.00	Pass
Band66	5	131997	1	#Mid	16QAM	22.44	-2.97	19.47	30.00	Pass
Band66	5	131997	1	#Max	16QAM	22.49	-2.97	19.52	30.00	Pass
Band66	5	131997	12	#0	16QAM	20.67	-2.97	17.70	30.00	Pass
Band66	5	131997	12	#Mid	16QAM	21.06	-2.97	18.09	30.00	Pass
Band66	5	131997	12	#Max	16QAM	20.96	-2.97	17.99	30.00	Pass
Band66	5	131997	25	#0	16QAM	21.17	-2.97	18.20	30.00	Pass
Band66	5	132322	1	#0	QPSK	22.98	-2.97	20.01	30.00	Pass
Band66	5	132322	1	#Mid	QPSK	22.92	-2.97	19.95	30.00	Pass
Band66	5	132322	1	#Max	QPSK	23.07	-2.97	20.10	30.00	Pass
Band66	5	132322	12	#0	QPSK	22.48	-2.97	19.51	30.00	Pass
Band66	5	132322	12	#Mid	QPSK	22.38	-2.97	19.41	30.00	Pass
Band66	5	132322	12	#Max	QPSK	22.52	-2.97	19.55	30.00	Pass
Band66	5	132322	25	#0	QPSK	22.4	-2.97	19.43	30.00	Pass
Band66	5	132322	1	#0	16QAM	22.5	-2.97	19.53	30.00	Pass
Band66	5	132322	1	#Mid	16QAM	22.48	-2.97	19.51	30.00	Pass
Band66	5	132322	1	#Max	16QAM	22.48	-2.97	19.51	30.00	Pass
Band66	5	132322	12	#0	16QAM	20.88	-2.97	17.91	30.00	Pass
Band66	5	132322	12	#Mid	16QAM	20.79	-2.97	17.82	30.00	Pass
Band66	5	132322	12	#Max	16QAM	20.8	-2.97	17.83	30.00	Pass
Band66	5	132322	25	#0	16QAM	20.98	-2.97	18.01	30.00	Pass
Band66	5	132647	1	#0	QPSK	22.88	-2.97	19.91	30.00	Pass
Band66	5	132647	1	#Mid	QPSK	22.91	-2.97	19.94	30.00	Pass
Band66	5	132647	1	#Max	QPSK	22.96	-2.97	19.99	30.00	Pass
Band66	5	132647	12	#0	QPSK	22.52	-2.97	19.55	30.00	Pass
Band66	5	132647	12	#Mid	QPSK	22.46	-2.97	19.49	30.00	Pass
Band66	5	132647	12	#Max	QPSK	22.47	-2.97	19.50	30.00	Pass
Band66	5	132647	25	#0	QPSK	22.48	-2.97	19.51	30.00	Pass
Band66	5	132647	1	#0	16QAM	22.44	-2.97	19.47	30.00	Pass
Band66	5	132647	1	#Mid	16QAM	22.41	-2.97	19.44	30.00	Pass
Band66	5	132647	1	#Max	16QAM	22.56	-2.97	19.59	30.00	Pass
Band66	5	132647	12	#0	16QAM	20.87	-2.97	17.90	30.00	Pass

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Band66	5	132647	12	#Mid	16QAM	20.96	-2.97	17.99	30.00	Pass
Band66	5	132647	12	#Max	16QAM	21.08	-2.97	18.11	30.00	Pass
Band66	5	132647	25	#0	16QAM	20.88	-2.97	17.91	30.00	Pass
Band66	10	132022	1	#0	QPSK	22.68	-2.97	19.71	30.00	Pass
Band66	10	132022	1	#Mid	QPSK	22.77	-2.97	19.80	30.00	Pass
Band66	10	132022	1	#Max	QPSK	22.75	-2.97	19.78	30.00	Pass
Band66	10	132022	25	#0	QPSK	22.23	-2.97	19.26	30.00	Pass
Band66	10	132022	25	#Mid	QPSK	22.36	-2.97	19.39	30.00	Pass
Band66	10	132022	25	#Max	QPSK	22.34	-2.97	19.37	30.00	Pass
Band66	10	132022	50	#0	QPSK	22.44	-2.97	19.47	30.00	Pass
Band66	10	132022	1	#0	16QAM	23.38	-2.97	20.41	30.00	Pass
Band66	10	132022	1	#Mid	16QAM	23.42	-2.97	20.45	30.00	Pass
Band66	10	132022	1	#Max	16QAM	23.41	-2.97	20.44	30.00	Pass
Band66	10	132022	25	#0	16QAM	21.02	-2.97	18.05	30.00	Pass
Band66	10	132022	25	#Mid	16QAM	20.74	-2.97	17.77	30.00	Pass
Band66	10	132022	25	#Max	16QAM	21.09	-2.97	18.12	30.00	Pass
Band66	10	132022	50	#0	16QAM	20.83	-2.97	17.86	30.00	Pass
Band66	10	132322	1	#0	QPSK	23	-2.97	20.03	30.00	Pass
Band66	10	132322	1	#Mid	QPSK	22.99	-2.97	20.02	30.00	Pass
Band66	10	132322	1	#Max	QPSK	23.01	-2.97	20.04	30.00	Pass
Band66	10	132322	25	#0	QPSK	22.5	-2.97	19.53	30.00	Pass
Band66	10	132322	25	#Mid	QPSK	22.5	-2.97	19.53	30.00	Pass
Band66	10	132322	25	#Max	QPSK	22.51	-2.97	19.54	30.00	Pass
Band66	10	132322	50	#0	QPSK	22.45	-2.97	19.48	30.00	Pass
Band66	10	132322	1	#0	16QAM	22.41	-2.97	19.44	30.00	Pass
Band66	10	132322	1	#Mid	16QAM	22.41	-2.97	19.44	30.00	Pass
Band66	10	132322	1	#Max	16QAM	22.46	-2.97	19.49	30.00	Pass
Band66	10	132322	25	#0	16QAM	21.07	-2.97	18.10	30.00	Pass
Band66	10	132322	25	#Mid	16QAM	21.06	-2.97	18.09	30.00	Pass
Band66	10	132322	25	#Max	16QAM	21.07	-2.97	18.10	30.00	Pass
Band66	10	132322	50	#0	16QAM	21.04	-2.97	18.07	30.00	Pass
Band66	10	132622	1	#0	QPSK	22.91	-2.97	19.94	30.00	Pass
Band66	10	132622	1	#Mid	QPSK	22.91	-2.97	19.94	30.00	Pass
Band66	10	132622	1	#Max	QPSK	23.02	-2.97	20.05	30.00	Pass
Band66	10	132622	25	#0	QPSK	22.42	-2.97	19.45	30.00	Pass
Band66	10	132622	25	#Mid	QPSK	22.38	-2.97	19.41	30.00	Pass
Band66	10	132622	25	#Max	QPSK	22.55	-2.97	19.58	30.00	Pass
Band66	10	132622	50	#0	QPSK	22.54	-2.97	19.57	30.00	Pass
Band66	10	132622	1	#0	16QAM	22.54	-2.97	19.57	30.00	Pass
Band66	10	132622	1	#Mid	16QAM	22.47	-2.97	19.50	30.00	Pass
Band66	10	132622	1	#Max	16QAM	22.58	-2.97	19.61	30.00	Pass
Band66	10	132622	25	#0	16QAM	20.95	-2.97	17.98	30.00	Pass
Band66	10	132622	25	#Mid	16QAM	20.96	-2.97	17.99	30.00	Pass
Band66	10	132622	25	#Max	16QAM	20.9	-2.97	17.93	30.00	Pass
Band66	10	132622	50	#0	16QAM	21	-2.97	18.03	30.00	Pass
Band66	15	132047	1	#0	QPSK	22.72	-2.97	19.75	30.00	Pass
Band66	15	132047	1	#Mid	QPSK	22.81	-2.97	19.84	30.00	Pass
Band66	15	132047	1	#Max	QPSK	22.77	-2.97	19.80	30.00	Pass
Band66	15	132047	36	#0	QPSK	22.27	-2.97	19.30	30.00	Pass
Band66	15	132047	36	#Mid	QPSK	22.35	-2.97	19.38	30.00	Pass
Band66	15	132047	36	#Max	QPSK	22.17	-2.97	19.20	30.00	Pass
Band66	15	132047	75	#0	QPSK	22.24	-2.97	19.27	30.00	Pass
Band66	15	132047	1	#0	16QAM	23.39	-2.97	20.42	30.00	Pass
Band66	15	132047	1	#Mid	16QAM	23.35	-2.97	20.38	30.00	Pass
Band66	15	132047	1	#Max	16QAM	23.46	-2.97	20.49	30.00	Pass
Band66	15	132047	36	#0	16QAM	20.78	-2.97	17.81	30.00	Pass
Band66	15	132047	36	#Mid	16QAM	21.11	-2.97	18.14	30.00	Pass
Band66	15	132047	36	#Max	16QAM	21.11	-2.97	18.14	30.00	Pass
Band66	15	132047	75	#0	16QAM	21.18	-2.97	18.21	30.00	Pass
Band66	15	132322	1	#0	QPSK	23.13	-2.97	20.16	30.00	Pass
Band66	15	132322	1	#Mid	QPSK	23	-2.97	20.03	30.00	Pass
Band66	15	132322	1	#Max	QPSK	23.14	-2.97	20.17	30.00	Pass
Band66	15	132322	36	#0	QPSK	22.41	-2.97	19.44	30.00	Pass
Band66	15	132322	36	#Mid	QPSK	22.39	-2.97	19.42	30.00	Pass
Band66	15	132322	36	#Max	QPSK	22.51	-2.97	19.54	30.00	Pass

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Band66	15	132322	75	#0	QPSK	22.44	-2.97	19.47	30.00	Pass
Band66	15	132322	1	#0	16QAM	22.39	-2.97	19.42	30.00	Pass
Band66	15	132322	1	#Mid	16QAM	22.38	-2.97	19.41	30.00	Pass
Band66	15	132322	1	#Max	16QAM	22.48	-2.97	19.51	30.00	Pass
Band66	15	132322	36	#0	16QAM	21.11	-2.97	18.14	30.00	Pass
Band66	15	132322	36	#Mid	16QAM	21.11	-2.97	18.14	30.00	Pass
Band66	15	132322	36	#Max	16QAM	21.12	-2.97	18.15	30.00	Pass
Band66	15	132322	75	#0	16QAM	20.97	-2.97	18.00	30.00	Pass
Band66	15	132597	1	#0	QPSK	22.85	-2.97	19.88	30.00	Pass
Band66	15	132597	1	#Mid	QPSK	22.83	-2.97	19.86	30.00	Pass
Band66	15	132597	1	#Max	QPSK	22.91	-2.97	19.94	30.00	Pass
Band66	15	132597	36	#0	QPSK	22.33	-2.97	19.36	30.00	Pass
Band66	15	132597	36	#Mid	QPSK	22.47	-2.97	19.50	30.00	Pass
Band66	15	132597	36	#Max	QPSK	22.39	-2.97	19.42	30.00	Pass
Band66	15	132597	75	#0	QPSK	22.49	-2.97	19.52	30.00	Pass
Band66	15	132597	1	#0	16QAM	22.98	-2.97	20.01	30.00	Pass
Band66	15	132597	1	#Mid	16QAM	23.05	-2.97	20.08	30.00	Pass
Band66	15	132597	1	#Max	16QAM	23.14	-2.97	20.17	30.00	Pass
Band66	15	132597	36	#0	16QAM	20.92	-2.97	17.95	30.00	Pass
Band66	15	132597	36	#Mid	16QAM	20.86	-2.97	17.89	30.00	Pass
Band66	15	132597	36	#Max	16QAM	20.87	-2.97	17.90	30.00	Pass
Band66	15	132597	75	#0	16QAM	21.02	-2.97	18.05	30.00	Pass
Band66	20	132072	1	#0	QPSK	22.68	-2.97	19.71	30.00	Pass
Band66	20	132072	1	#Mid	QPSK	22.7	-2.97	19.73	30.00	Pass
Band66	20	132072	1	#Max	QPSK	22.79	-2.97	19.82	30.00	Pass
Band66	20	132072	50	#0	QPSK	22.3	-2.97	19.33	30.00	Pass
Band66	20	132072	50	#Mid	QPSK	22.25	-2.97	19.28	30.00	Pass
Band66	20	132072	50	#Max	QPSK	22.31	-2.97	19.34	30.00	Pass
Band66	20	132072	100	#0	QPSK	22.23	-2.97	19.26	30.00	Pass
Band66	20	132072	1	#0	16QAM	21.9	-2.97	18.93	30.00	Pass
Band66	20	132072	1	#Mid	16QAM	21.88	-2.97	18.91	30.00	Pass
Band66	20	132072	1	#Max	16QAM	21.92	-2.97	18.95	30.00	Pass
Band66	20	132072	50	#0	16QAM	20.91	-2.97	17.94	30.00	Pass
Band66	20	132072	50	#Mid	16QAM	20.91	-2.97	17.94	30.00	Pass
Band66	20	132072	50	#Max	16QAM	21.16	-2.97	18.19	30.00	Pass
Band66	20	132072	100	#0	16QAM	20.81	-2.97	17.84	30.00	Pass
Band66	20	132322	1	#0	QPSK	23.08	-2.97	20.11	30.00	Pass
Band66	20	132322	1	#Mid	QPSK	23.08	-2.97	20.11	30.00	Pass
Band66	20	132322	1	#Max	QPSK	23.01	-2.97	20.04	30.00	Pass
Band66	20	132322	50	#0	QPSK	22.44	-2.97	19.47	30.00	Pass
Band66	20	132322	50	#Mid	QPSK	22.48	-2.97	19.51	30.00	Pass
Band66	20	132322	50	#Max	QPSK	22.4	-2.97	19.43	30.00	Pass
Band66	20	132322	100	#0	QPSK	22.51	-2.97	19.54	30.00	Pass
Band66	20	132322	1	#0	16QAM	22.73	-2.97	19.76	30.00	Pass
Band66	20	132322	1	#Mid	16QAM	22.75	-2.97	19.78	30.00	Pass
Band66	20	132322	1	#Max	16QAM	22.66	-2.97	19.69	30.00	Pass
Band66	20	132322	50	#0	16QAM	21.01	-2.97	18.04	30.00	Pass
Band66	20	132322	50	#Mid	16QAM	20.88	-2.97	17.91	30.00	Pass
Band66	20	132322	50	#Max	16QAM	20.96	-2.97	17.99	30.00	Pass
Band66	20	132322	100	#0	16QAM	20.91	-2.97	17.94	30.00	Pass
Band66	20	132572	1	#0	QPSK	22.99	-2.97	20.02	30.00	Pass
Band66	20	132572	1	#Mid	QPSK	22.92	-2.97	19.95	30.00	Pass
Band66	20	132572	1	#Max	QPSK	23.1	-2.97	20.13	30.00	Pass
Band66	20	132572	50	#0	QPSK	22.32	-2.97	19.35	30.00	Pass
Band66	20	132572	50	#Mid	QPSK	22.3	-2.97	19.33	30.00	Pass
Band66	20	132572	50	#Max	QPSK	22.5	-2.97	19.53	30.00	Pass
Band66	20	132572	100	#0	QPSK	22.38	-2.97	19.41	30.00	Pass
Band66	20	132572	1	#0	16QAM	22.32	-2.97	19.35	30.00	Pass
Band66	20	132572	1	#Mid	16QAM	22.38	-2.97	19.41	30.00	Pass
Band66	20	132572	1	#Max	16QAM	22.44	-2.97	19.47	30.00	Pass
Band66	20	132572	50	#0	16QAM	20.91	-2.97	17.94	30.00	Pass
Band66	20	132572	50	#Mid	16QAM	20.92	-2.97	17.95	30.00	Pass
Band66	20	132572	50	#Max	16QAM	20.93	-2.97	17.96	30.00	Pass
Band66	20	132572	100	#0	16QAM	20.92	-2.97	17.95	30.00	Pass

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7. Peak to Average Ratio

7.1.1. Limit

FCC § 2.1046 & 24.232(d) & 27.50(d) & 27.50(j) & 27.50(k)

In addition, when the transmitter power is measured in terms of average value, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

According to FCC section 24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with 24.232 (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

FCC section 24.232(e), peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

According to FCC section 27.50(d) (5) & 27.50(j) & 27.50(k), in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

7.1.2. Test Procedure

Here the lowest, middle and highest channels are selected to perform testing to verify the peak-to-average ratio.

According to KDB 971168 D01, there is CCDF procedure for PAPR:

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
 - 1) for continuous transmissions, set to 1 ms,





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2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.





7.2. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
GSM850	128	8.42	13	Pass
	190	8.42	13	Pass
	251	8.42	13	Pass
GPRS850	128	8.42	13	Pass
	190	8.42	13	Pass
	251	8.42	13	Pass
EPRS850	128	8.41	13	Pass
	190	8.41	13	Pass
	251	8.41	13	Pass
GSM1900	512	8.42	13	Pass
	661	8.41	13	Pass
	810	8.41	13	Pass
GPRS1900	512	8.41	13	Pass
	661	8.41	13	Pass
	810	8.42	13	Pass
EPRS1900	512	8.42	13	Pass
	661	8.42	13	Pass
	810	5.83	13	Pass

WCDMA Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band 2	9262	8.41	13	Pass
	9400	8.42	13	Pass
	9538	8.42	13	Pass
Band 4	1312	8.41	13	Pass
	1413	8.42	13	Pass
	1513	8.42	13	Pass
Band 5	4132	8.42	13	Pass
	4182	8.43	13	Pass
	4233	8.43	13	Pass



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Test diagram GSM850 128



GSM850 190



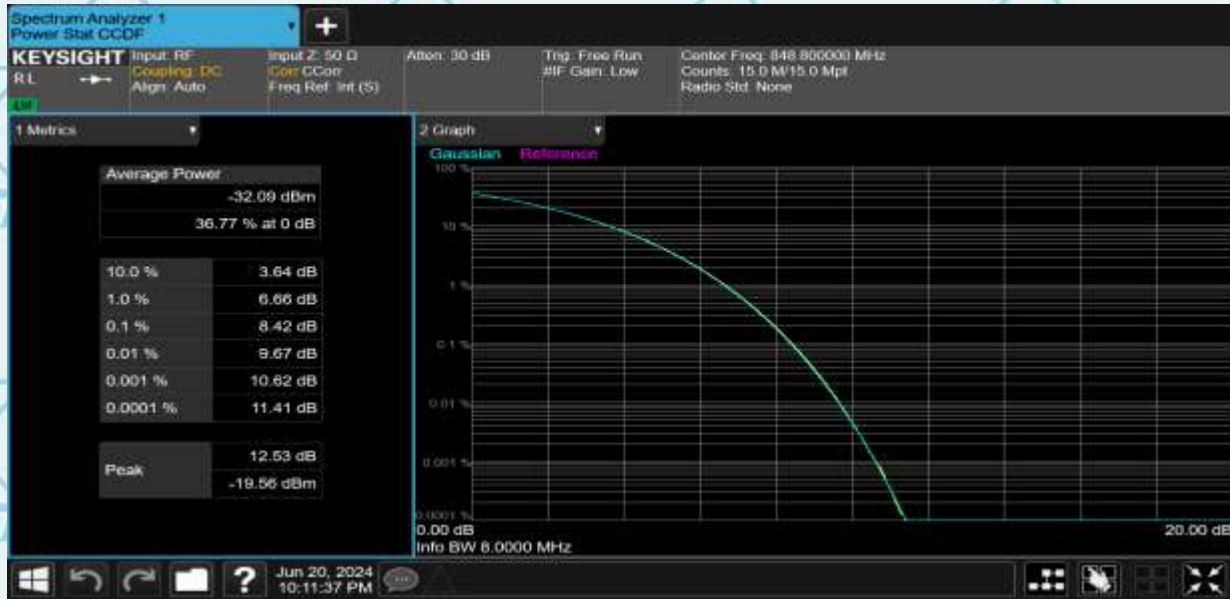


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GSM850 251



GPRS850 128



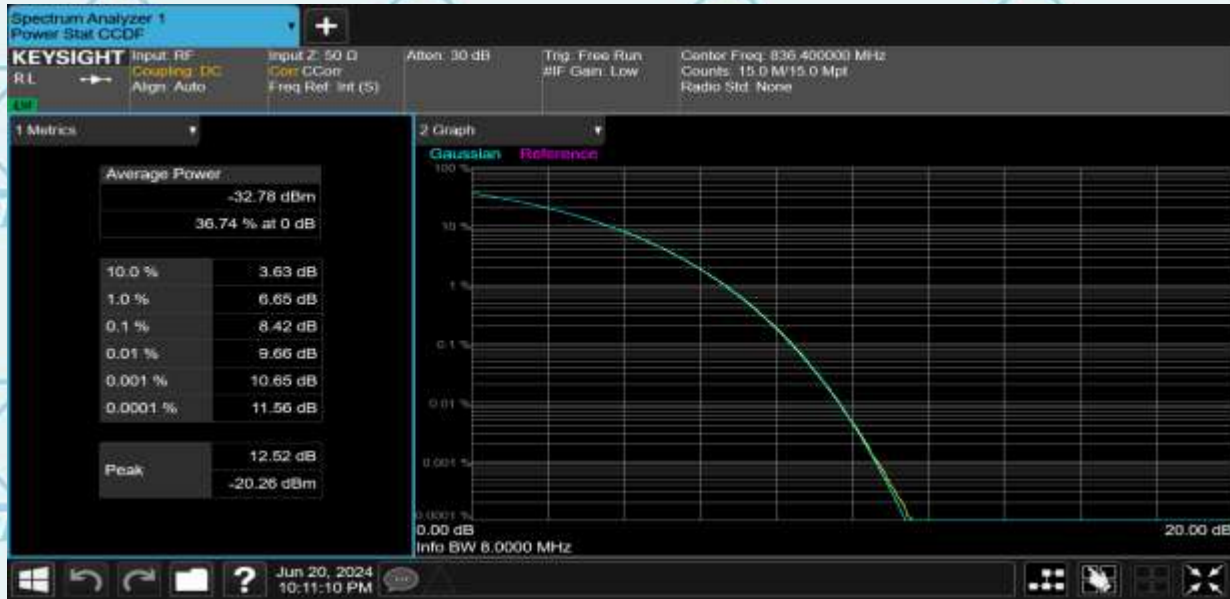


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GPRS850 190



GPRS850 251



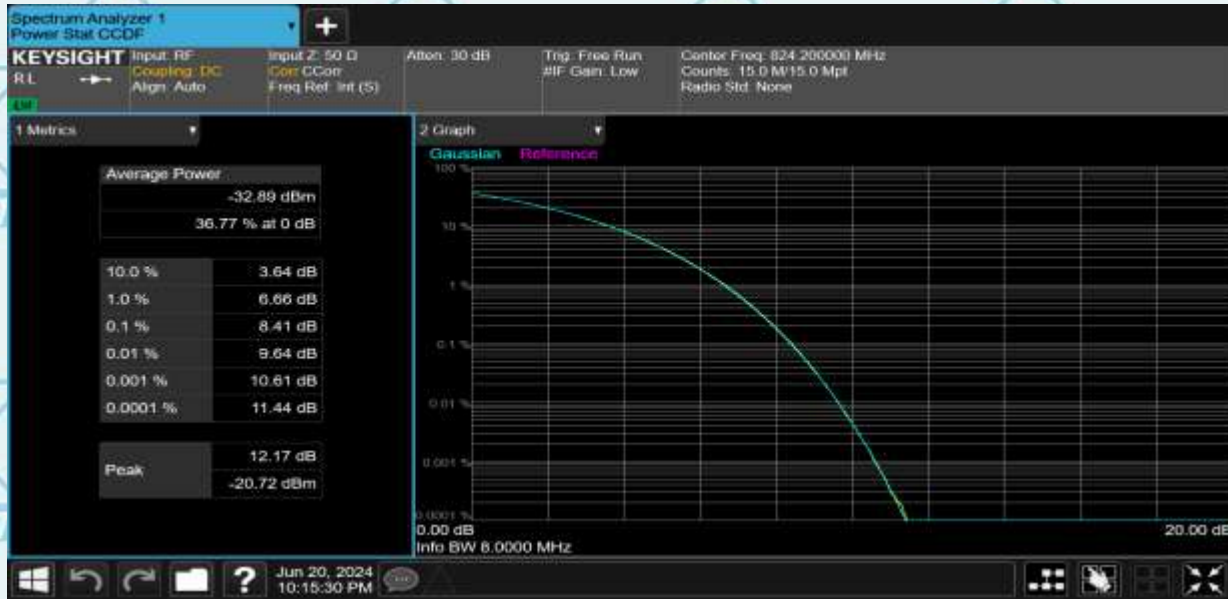


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EPRS850 128



EPRS850 190



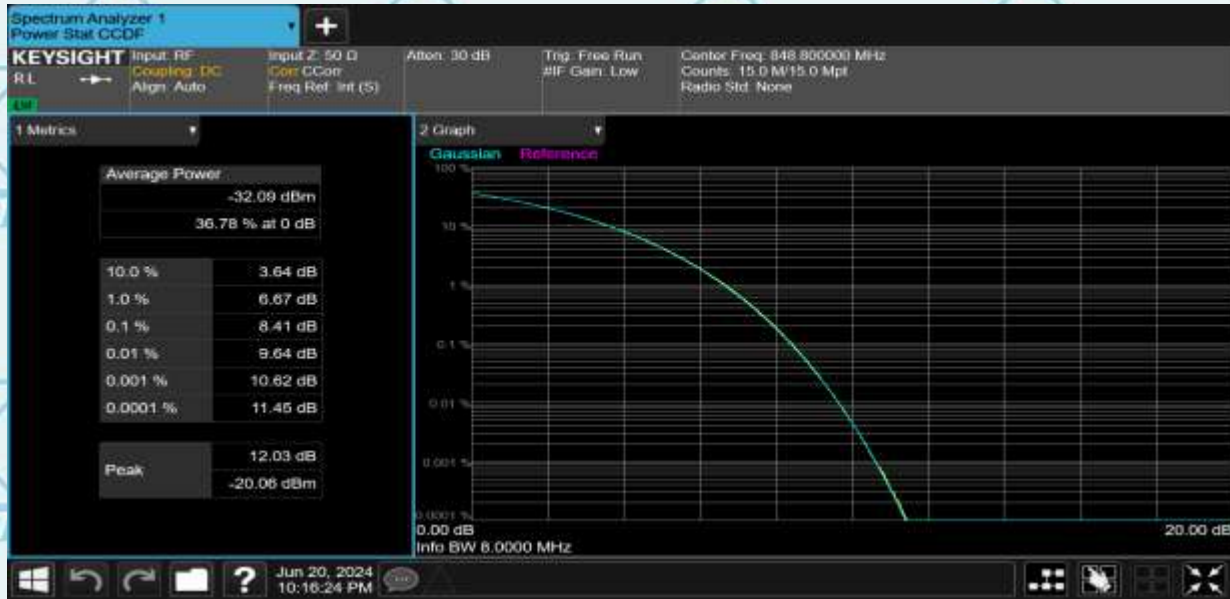


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EPRS850 251



GSM1900 512





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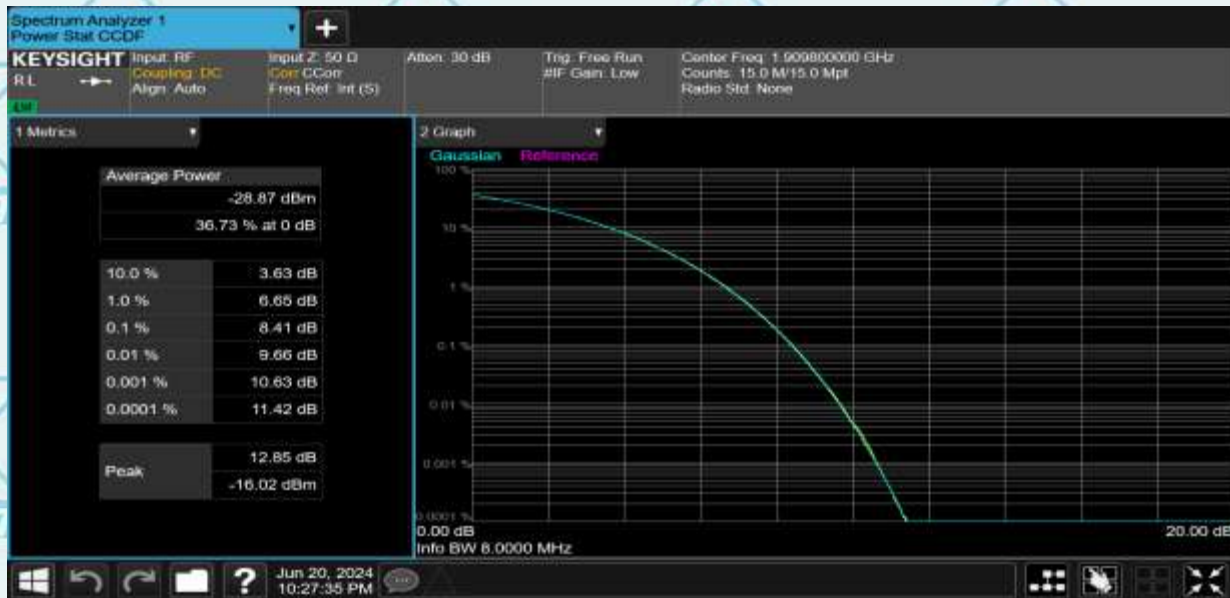
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GSM1900 661



GSM1900 810





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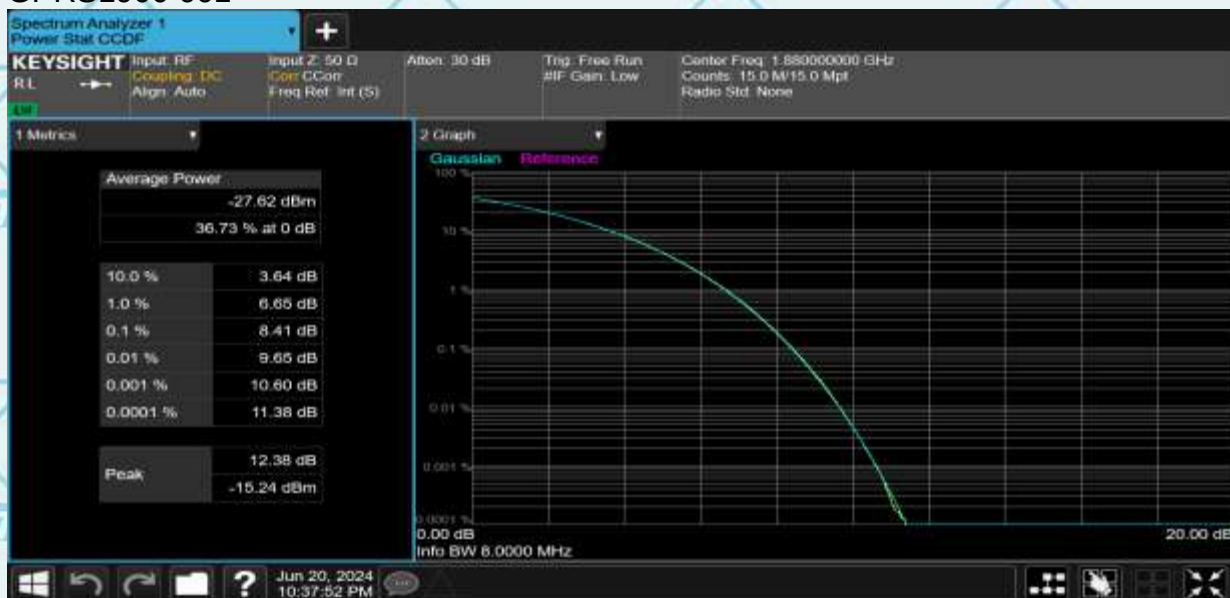
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GPRS1900 512



GPRS1900 661





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GPRS1900 810



EPRS1900 512





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EPRS1900 661



EPRS1900 810





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Band2 9262



Band2 9400





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Band2 9538



Band4 1312





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Band4 1413



Band4 1513





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Band5 4132



Band5 4182





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Band5 4233



Note: Please refer to Annex (LTE Chapter 2 Peak-to-Average Ratio) for more test data



8. SPURIOUS EMISSION (Conducted and Radiated)

8.1. Measurement Result (Pre-measurement)

GSM850:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	128	824.2	Pass
Middle Range	0.2	190	836.6	Pass
High Range	0.2	251	848.8	Pass

PCS 1900 :

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	512	1850.2	Pass
Middle Range	0.2	661	1880.0	Pass
High Range	0.2	810	1909.8	Pass

UTRA BANDS

Band 2:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	9262	1852.4	Pass
Middle Range	5	9400	1880.0	Pass
High Range	5	9538	1907.6	Pass

Band 4:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	1312	1712.4	Pass
Middle Range	5	1413	1732.6	Pass
High Range	5	1513	1752.6	Pass

Band 5:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	4132	826.4	Pass
Middle Range	5	4182	836.4	Pass
High Range	5	4233	846.6	Pass



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E-UTRA BANDS**Band 2:**

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	18607	1850.7	QPSK	6	LOW	Pass
1.4	18607	1850.7	Q16	6	LOW	Pass
1.4	18900	1880	QPSK	6	LOW	Pass
1.4	18900	1880	Q16	6	LOW	Pass
1.4	19193	1909.3	QPSK	6	LOW	Pass
1.4	19193	1909.3	Q16	6	LOW	Pass
3	18615	1851.5	QPSK	15	LOW	Pass
3	18615	1851.5	Q16	15	LOW	Pass
3	18900	1880	QPSK	15	LOW	Pass
3	18900	1880	Q16	15	LOW	Pass
3	19185	1908.5	QPSK	15	LOW	Pass
3	19185	1908.5	Q16	15	LOW	Pass
5	18625	1852.5	QPSK	25	LOW	Pass
5	18625	1852.5	Q16	25	LOW	Pass
5	18900	1880	QPSK	25	LOW	Pass
5	18900	1880	Q16	25	LOW	Pass
5	19175	1907.5	QPSK	25	LOW	Pass
5	19175	1907.5	Q16	25	LOW	Pass
10	18650	1855	QPSK	50	LOW	Pass
10	18650	1855	Q16	50	LOW	Pass
10	18900	1880	QPSK	50	LOW	Pass
10	18900	1880	Q16	50	LOW	Pass
10	19150	1905	QPSK	50	LOW	Pass
10	19150	1905	Q16	50	LOW	Pass
15	18675	1857.5	QPSK	75	LOW	Pass
15	18675	1857.5	Q16	75	LOW	Pass
15	18900	1880	QPSK	75	LOW	Pass
15	18900	1880	Q16	75	LOW	Pass
15	19125	1902.5	QPSK	75	LOW	Pass
15	19125	1902.5	Q16	75	LOW	Pass
20	18700	1860	QPSK	100	LOW	Pass
20	18700	1860	Q16	100	LOW	Pass
20	18900	1880	QPSK	100	LOW	Pass
20	18900	1880	Q16	100	LOW	Pass
20	19100	1900	QPSK	100	LOW	Pass
20	19100	1900	Q16	100	LOW	Pass

Band 4:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	19957	1710.7	QPSK	6	LOW	Pass
1.4	19957	1710.7	Q16	6	LOW	Pass
1.4	20175	1732.5	QPSK	6	LOW	Pass
1.4	20175	1732.5	Q16	6	LOW	Pass
1.4	20393	1754.3	QPSK	6	LOW	Pass
1.4	20393	1754.3	Q16	6	LOW	Pass
3	19965	1711.5	QPSK	15	LOW	Pass
3	19965	1711.5	Q16	15	LOW	Pass
3	20175	1732.5	QPSK	15	LOW	Pass





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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
3	20175	1732.5	Q16	15	LOW	Pass
3	20385	1753.5	QPSK	15	LOW	Pass
3	20385	1753.5	Q16	15	LOW	Pass
5	19975	1712.5	QPSK	25	LOW	Pass
5	19975	1712.5	Q16	25	LOW	Pass
5	20175	1732.5	QPSK	25	LOW	Pass
5	20175	1732.5	Q16	25	LOW	Pass
5	20375	1752.5	QPSK	25	LOW	Pass
5	20375	1752.5	Q16	25	LOW	Pass
10	20000	1715	QPSK	50	LOW	Pass
10	20000	1715	Q16	50	LOW	Pass
10	20175	1732.5	QPSK	50	LOW	Pass
10	20175	1732.5	Q16	50	LOW	Pass
10	20350	1750	QPSK	50	LOW	Pass
10	20350	1750	Q16	50	LOW	Pass
15	20025	1717.5	QPSK	75	LOW	Pass
15	20025	1717.5	Q16	75	LOW	Pass
15	20175	1732.5	QPSK	75	LOW	Pass
15	20175	1732.5	Q16	75	LOW	Pass
15	20325	1747.5	QPSK	75	LOW	Pass
15	20325	1747.5	Q16	75	LOW	Pass
20	20050	1720	QPSK	100	LOW	Pass
20	20050	1720	Q16	100	LOW	Pass
20	20175	1732.5	QPSK	100	LOW	Pass
20	20175	1732.5	Q16	100	LOW	Pass
20	20300	1745	QPSK	100	LOW	Pass
20	20300	1745	Q16	100	LOW	Pass

Band 5:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	20470	824.7	QPSK	6	LOW	Pass
1.4	20470	824.7	Q16	6	LOW	Pass
1.4	20525	836.5	QPSK	6	LOW	Pass
1.4	20525	836.5	Q16	6	LOW	Pass
1.4	20643	848.3	QPSK	6	LOW	Pass
1.4	20643	848.3	Q16	6	LOW	Pass
3	20415	825.5	QPSK	15	LOW	Pass
3	20415	825.5	Q16	15	LOW	Pass
3	20525	836.5	QPSK	15	LOW	Pass
3	20525	836.5	Q16	15	LOW	Pass
3	20635	847.5	QPSK	15	LOW	Pass
3	20635	847.5	Q16	15	LOW	Pass
5	20425	826.5	QPSK	25	LOW	Pass
5	20425	826.5	Q16	25	LOW	Pass
5	20525	836.5	QPSK	25	LOW	Pass
5	20525	836.5	Q16	25	LOW	Pass
5	20625	846.5	QPSK	25	LOW	Pass
5	20625	846.5	Q16	25	LOW	Pass
10	20450	829	QPSK	50	LOW	Pass
10	20450	829	Q16	50	LOW	Pass
10	20525	836.5	QPSK	50	LOW	Pass



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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
10	20525	836.5	Q16	50	LOW	Pass
10	20600	844	QPSK	50	LOW	Pass
10	20600	844	Q16	50	LOW	Pass

Band 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	20775	2502.5	QPSK	25	LOW	Pass
5	20775	2502.5	Q16	25	LOW	Pass
5	21425	2567.5	QPSK	25	LOW	Pass
5	21425	2567.5	Q16	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
10	20800	2505	QPSK	50	LOW	Pass
10	20800	2505	Q16	50	LOW	Pass
10	21400	2565	QPSK	50	LOW	Pass
10	21400	2565	Q16	50	LOW	Pass
10	21100	2535	QPSK	50	LOW	Pass
10	21100	2535	Q16	50	LOW	Pass
15	20825	2507.5	QPSK	75	LOW	Pass
15	20825	2507.5	Q16	75	LOW	Pass
15	21375	2562.5	QPSK	75	LOW	Pass
15	21375	2562.5	Q16	75	LOW	Pass
15	21100	2535	QPSK	75	LOW	Pass
15	21100	2535	Q16	75	LOW	Pass
20	20850	2510	QPSK	100	LOW	Pass
20	20850	2510	Q16	100	LOW	Pass
20	21350	2560	QPSK	100	LOW	Pass
20	21350	2560	Q16	100	LOW	Pass
20	21100	2535	QPSK	100	LOW	Pass
20	21100	2535	Q16	100	LOW	Pass

Band 12:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	23017	699.7	QPSK	6	LOW	Pass
1.4	23017	699.7	Q16	6	LOW	Pass
1.4	23095	707.5	QPSK	6	LOW	Pass
1.4	23095	707.5	Q16	6	LOW	Pass
1.4	23173	715.3	QPSK	6	LOW	Pass
1.4	23173	715.3	Q16	6	LOW	Pass
3	23025	700.5	QPSK	15	LOW	Pass
3	23025	700.5	Q16	15	LOW	Pass
3	23095	707.5	QPSK	15	LOW	Pass
3	23095	707.5	Q16	15	LOW	Pass
3	23165	714.5	QPSK	15	LOW	Pass
3	23165	714.5	Q16	15	LOW	Pass
5	23035	701.5	QPSK	25	LOW	Pass
5	23035	701.5	Q16	25	LOW	Pass
5	23095	707.5	QPSK	25	LOW	Pass
5	23095	707.5	Q16	25	LOW	Pass



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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	23155	713.5	QPSK	25	LOW	Pass
5	23155	713.5	Q16	25	LOW	Pass
10	23060	704	QPSK	50	LOW	Pass
10	23060	704	Q16	50	LOW	Pass
10	23095	707.5	QPSK	50	LOW	Pass
10	23095	707.5	Q16	50	LOW	Pass
10	23130	711	QPSK	50	LOW	Pass
10	23130	711	Q16	50	LOW	Pass

Band 17:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	23755	706.5	QPSK	25	LOW	Pass
5	23755	706.5	Q16	25	LOW	Pass
5	23790	710	QPSK	25	LOW	Pass
5	23790	710	Q16	25	LOW	Pass
5	23825	713.5	QPSK	25	LOW	Pass
5	23825	713.5	Q16	25	LOW	Pass
10	23780	709	QPSK	50	LOW	Pass
10	23780	709	Q16	50	LOW	Pass
10	23790	710	QPSK	50	LOW	Pass
10	23790	710	Q16	50	LOW	Pass
10	23800	711	QPSK	50	LOW	Pass
10	23800	711	Q16	50	LOW	Pass

Band 26(814-824MHz):

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	26697	814.7	QPSK	6	LOW	Pass
1.4	26697	814.7	Q16	6	LOW	Pass
1.4	26740	819	QPSK	6	LOW	Pass
1.4	26740	819	Q16	6	LOW	Pass
1.4	26783	823.3	QPSK	6	LOW	Pass
1.4	26783	823.3	Q16	6	LOW	Pass
3	26705	815.5	QPSK	15	LOW	Pass
3	26705	815.5	Q16	15	LOW	Pass
3	26740	819	QPSK	15	LOW	Pass
3	26740	819	Q16	15	LOW	Pass
3	26775	822.5	QPSK	15	LOW	Pass
3	26775	822.5	Q16	15	LOW	Pass
5	26715	816.5	QPSK	25	LOW	Pass
5	26715	816.5	Q16	25	LOW	Pass
5	26740	819	QPSK	25	LOW	Pass
5	26740	819	Q16	25	LOW	Pass
5	26765	821.5	QPSK	25	LOW	Pass
5	26765	821.5	Q16	25	LOW	Pass
10	26740	819	QPSK	50	LOW	Pass
10	26740	819	Q16	50	LOW	Pass



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Band 26(824-849MHz):

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	26797	824.7	QPSK	6	LOW	Pass
1.4	26797	824.7	Q16	6	LOW	Pass
1.4	26915	836.5	QPSK	6	LOW	Pass
1.4	26915	836.5	Q16	6	LOW	Pass
1.4	27033	848.3	QPSK	6	LOW	Pass
1.4	27033	848.3	Q16	6	LOW	Pass
3	26805	825.5	QPSK	15	LOW	Pass
3	26805	825.5	Q16	15	LOW	Pass
3	26915	836.5	QPSK	15	LOW	Pass
3	26915	836.5	Q16	15	LOW	Pass
3	27025	847.5	QPSK	15	LOW	Pass
3	27025	847.5	Q16	15	LOW	Pass
5	26815	826.5	QPSK	25	LOW	Pass
5	26815	826.5	Q16	25	LOW	Pass
5	26915	836.5	QPSK	25	LOW	Pass
5	26915	836.5	Q16	25	LOW	Pass
5	27015	846.5	QPSK	25	LOW	Pass
5	27015	846.5	Q16	25	LOW	Pass
10	26840	829	QPSK	50	LOW	Pass
10	26840	829	Q16	50	LOW	Pass
10	26915	836.5	QPSK	50	LOW	Pass
10	26915	836.5	Q16	50	LOW	Pass
10	26990	844	QPSK	50	LOW	Pass
10	26990	844	Q16	50	LOW	Pass
15	26865	831.5	QPSK	75	LOW	Pass
15	26865	831.5	Q16	75	LOW	Pass
15	26915	836.5	QPSK	75	LOW	Pass
15	26915	836.5	Q16	75	LOW	Pass
15	26965	841.5	QPSK	75	LOW	Pass
15	26965	841.5	Q16	75	LOW	Pass

Band 40(2305-2315MHz):

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	38725	2307.5	QPSK	25	LOW	Pass
5	38725	2307.5	Q16	25	LOW	Pass
5	38750	2310	QPSK	25	LOW	Pass
5	38750	2310	Q16	25	LOW	Pass
5	38775	2312.5	QPSK	25	LOW	Pass
5	38775	2312.5	Q16	25	LOW	Pass
10	38750	2310	QPSK	50	LOW	Pass
10	38750	2310	Q16	50	LOW	Pass

Band 40(2350-2360MHz):

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	39175	2352.5	QPSK	25	LOW	Pass
5	39175	2352.5	Q16	25	LOW	Pass
5	39200	2355	QPSK	25	LOW	Pass
5	39200	2355	Q16	25	LOW	Pass





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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	39225	2357.5	QPSK	25	LOW	Pass
5	39225	2357.5	Q16	25	LOW	Pass
10	39200	2355	QPSK	50	LOW	Pass
10	39200	2355	Q16	50	LOW	Pass

Band 41:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	40065	2537.5	QPSK	25	LOW	Pass
5	40065	2537.5	Q16	25	LOW	Pass
5	40640	2565	QPSK	25	LOW	Pass
5	40640	2565	Q16	25	LOW	Pass
5	41215	2652.5	QPSK	25	LOW	Pass
5	41215	2652.5	Q16	25	LOW	Pass
10	40090	2540	QPSK	50	LOW	Pass
10	40090	2540	Q16	50	LOW	Pass
10	40640	2595	QPSK	50	LOW	Pass
10	40640	2595	Q16	50	LOW	Pass
10	41190	2650	QPSK	50	LOW	Pass
10	41190	2650	Q16	50	LOW	Pass
15	40115	2542.5	QPSK	75	LOW	Pass
15	40115	2542.5	Q16	75	LOW	Pass
15	40640	2595	QPSK	75	LOW	Pass
15	40640	2595	Q16	75	LOW	Pass
15	41165	2647.5	QPSK	75	LOW	Pass
15	41165	2647.5	Q16	75	LOW	Pass
20	40140	2545	QPSK	100	LOW	Pass
20	40140	2545	Q16	100	LOW	Pass
20	40640	2595	QPSK	100	LOW	Pass
20	40640	2595	Q16	100	LOW	Pass
20	41140	2645	QPSK	100	LOW	Pass
20	41140	2645	Q16	100	LOW	Pass

Band 66:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
1.4	131979	1710.7	QPSK	6	LOW	Pass
1.4	131979	1710.7	Q16	6	LOW	Pass
1.4	132322	1745	QPSK	6	LOW	Pass
1.4	132322	1745	Q16	6	LOW	Pass
1.4	132665	1779.3	QPSK	6	LOW	Pass
1.4	132665	1779.3	Q16	6	LOW	Pass
3	131987	1711.5	QPSK	15	LOW	Pass
3	131987	1711.5	Q16	15	LOW	Pass
3	132322	1745	QPSK	15	LOW	Pass
3	132322	1745	Q16	15	LOW	Pass
3	132657	1778.5	QPSK	15	LOW	Pass
3	132657	1778.5	Q16	15	LOW	Pass
5	131997	1712.5	QPSK	25	LOW	Pass



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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgment
5	131997	1712.5	Q16	25	LOW	Pass
5	132322	1745	QPSK	25	LOW	Pass
5	132322	1745	Q16	25	LOW	Pass
5	132647	1777.5	QPSK	25	LOW	Pass
5	132647	1777.5	Q16	25	LOW	Pass
10	132022	1715	QPSK	50	LOW	Pass
10	132022	1715	Q16	50	LOW	Pass
10	132322	1745	QPSK	50	LOW	Pass
10	132322	1745	Q16	50	LOW	Pass
10	132622	1775	QPSK	50	LOW	Pass
10	132622	1775	Q16	50	LOW	Pass
15	132047	1717.5	QPSK	75	LOW	Pass
15	132047	1717.5	Q16	75	LOW	Pass
15	132322	1745	QPSK	75	LOW	Pass
15	132322	1745	Q16	75	LOW	Pass
15	132597	1772.5	QPSK	75	LOW	Pass
15	132597	1772.5	Q16	75	LOW	Pass
20	132072	1720	QPSK	100	LOW	Pass
20	132072	1720	Q16	100	LOW	Pass
20	132322	1745	QPSK	100	LOW	Pass
20	132322	1745	Q16	100	LOW	Pass
20	132572	1770	QPSK	100	LOW	Pass
20	132572	1770	Q16	100	LOW	Pass

Test Plot(s)





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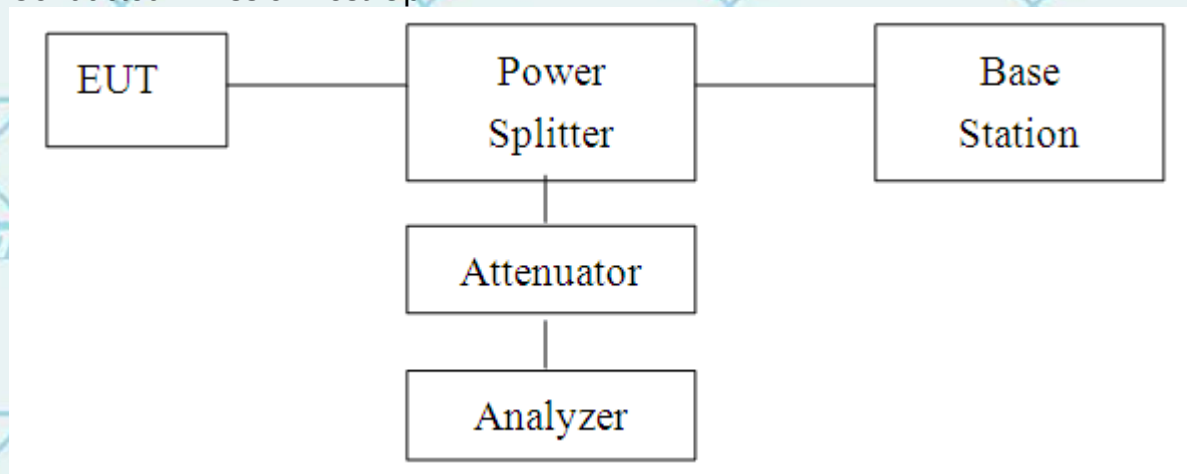
Conducted method**Test limit:**

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading 'emission limits') normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. In some rule parts, the unwanted emission limits are specified by an emission mask that defines the applicable limit as a function of the frequency range relative to the authorized frequency block.

Typically, unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least $X + 10\log(P)$ dB, where P represents the transmitter power expressed in watts and X is a specified scalar value (e.g., 43). This specification can be interpreted in one of two equivalent ways. First, the required attenuation can be construed to be relative to the mean carrier power, with the resultant of the equation $X + 10\log(P)$ being expressed in dBc (dB relative to the maximum carrier power). Alternatively, the specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10\log(P) - \{X + 10\log(P)\}$], resulting in an absolute level of -X dBW [or $(-X + 30)$ dBm]. See section 4.

Test procedure:

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

Conducted Emission Test-Up:



Radiated method

Test limit:

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading 'emission limits') normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. In some rule parts, the unwanted emission limits are specified by an emission mask that defines the applicable limit as a function of the frequency range relative to the authorized frequency block.

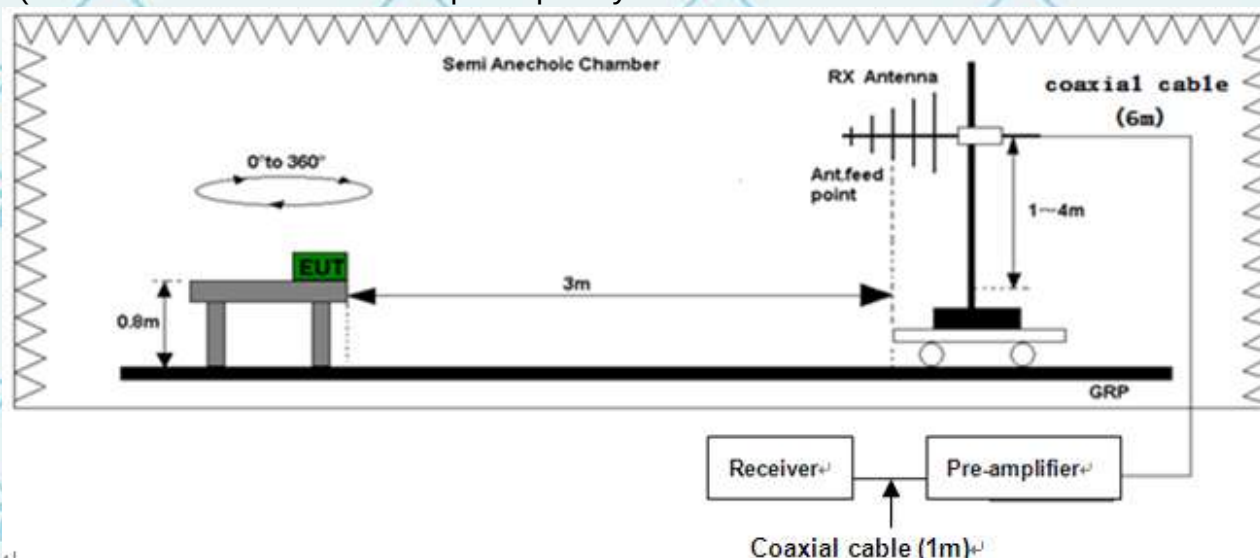
Typically, unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least $X + 10\log(P)$ dB, where P represents the transmitter power expressed in watts and X is a specified scalar value (e.g., 43). This specification can be interpreted in one of two equivalent ways. First, the required attenuation can be construed to be relative to the mean carrier power, with the resultant of the equation $X + 10\log(P)$ being expressed in dBc (dB relative to the maximum carrier power). Alternatively, the specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10\log(P) - \{X + 10\log(P)\}$], resulting in an absolute level of $-X$ dBW [or $(-X + 30)$ dBm]. See section 4.

Test procedure:

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site. The resolution bandwidth of the spectrum analyzer was set at 100 kHz below 1 GHz and 1 MHz above 1 GHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonics.

Test setup:

(A) Radiated Emission Test-Up Frequency 30MHz~1GHz





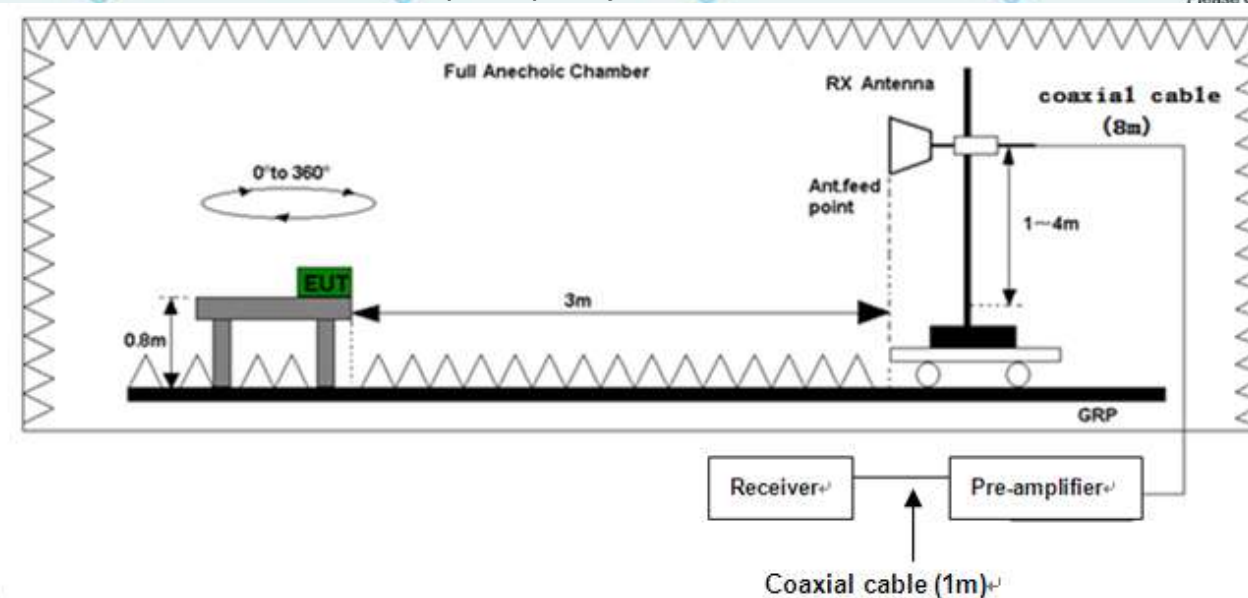
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Note:

- 1, Below 30MHz no Spurious found.
- 2, UE is positioned at 3 axis at the pre-scan stage, and only the measurement of the worst case (bandwidth: 20MHz / Full RB / QPSK) is reported in this part.



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Mode	UL Channel	Frequency	Judgement
1	128	824.2	Pass
2	190	836.6	Pass
3	251	848.8	Pass

PCS1900

Mode	UL Channel	Frequency	Judgement
1	512	1850.2	Pass
2	661	1880	Pass
3	810	1909.8	Pass

UTRA BANDS**Band 2:**

Mode	UL Channel	Frequency	Judgement
1	9262	1852.4	Pass
2	9400	1880	Pass
3	9538	1907.6	Pass

Band 4:

Mode	UL Channel	Frequency	Judgement
1	1312	1712.4	Pass
2	1413	1732.6	Pass
3	1513	1752.6	Pass

Band 5:

Mode	UL Channel	Frequency	Judgement
1	4132	826.4	Pass
2	4182	836.4	Pass
3	4233	846.6	Pass

E-UTRA BANDS**This is the worst pattern data****Band 2:**

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	18700	1860	QPSK	100	LOW	Pass
2	20	18900	1880	QPSK	100	LOW	Pass
3	20	19100	1900	QPSK	100	LOW	Pass

Band 4:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20050	1720	Q16	100	LOW	Pass
2	20	20300	1745	Q16	100	LOW	Pass
3	20	20175	1732.5	Q16	100	LOW	Pass

Band 5:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	10	20450	829	QPSK	50	LOW	Pass
2	10	20525	836.5	QPSK	50	LOW	Pass
3	10	20600	844	QPSK	50	LOW	Pass



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Band 7:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20850	2510	QPSK	100	LOW	Pass
2	20	21350	2560	QPSK	100	LOW	Pass
3	20	21100	2535	QPSK	100	LOW	Pass

Band 12:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	10	23060	704	QPSK	50	LOW	Pass
2	10	23095	707.5	QPSK	50	LOW	Pass
3	10	23130	711	QPSK	50	LOW	Pass

Band 17:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	10	23780	709	QPSK	50	LOW	Pass
2	10	23790	710	QPSK	50	LOW	Pass
3	10	23800	711	QPSK	50	LOW	Pass

Band26 (814-824MHz):

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	5	26715	816.5	QPSK	25	LOW	Pass
2	5	26740	819	QPSK	25	LOW	Pass
3	5	26765	821.5	QPSK	25	LOW	Pass

Band26 (824-849MHz):

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	15	26865	831.5	QPSK	25	LOW	Pass
2	15	26915	836.5	QPSK	25	LOW	Pass
3	15	26965	841.5	QPSK	25	LOW	Pass

Band 40(2305-2315MHz):

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	5	38725	2307.5	QPSK	25	LOW	Pass
2	5	38750	2310	QPSK	25	LOW	Pass
3	5	38775	2312.5	QPSK	25	LOW	Pass

Band 40(2350-2360MHz):

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	5	39175	2352.5	QPSK	25	LOW	Pass
2	5	39200	2355	QPSK	25	LOW	Pass
3	5	39225	2357.5	QPSK	25	LOW	Pass

Band 41:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	40140	2545	QPSK	100	LOW	Pass
2	20	40640	2595	QPSK	100	LOW	Pass
3	20	41140	2645	QPSK	100	LOW	Pass



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Band 66:

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Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	132072	2720	QPSK	100	LOW	Pass
2	20	132322	1745	QPSK	100	LOW	Pass
3	20	132572	2770	QPSK	100	LOW	Pass

Test record:

Note:

1. The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the AR_{pl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

$$\text{Power} = P_{\text{Mea}} + AR_{pl}$$

2. $AR_{pl} = \text{Cable loss} + \text{Antenna gain}$



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GSM850:

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Mode 1					
Frequency(MHz)	Power(dBm)	ARpl (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1648.4	-33.28	-4.99	-28.29	-13	Horizontal
1648.4	-27.34	-2.45	-24.89	-13	Vertical
2472.6	-34.41	3.61	-38.02	-13	Horizontal
2472.6	-29.29	2.82	-32.11	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1673.2	-34.89	-4.99	-29.90	-13	Horizontal
1673.2	-33.12	-2.45	-30.67	-13	Vertical
2509.8	-27.87	3.61	-31.48	-13	Horizontal
2509.8	-28.45	2.82	-31.27	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1697.6	-25.58	-4.99	-20.59	-13	Horizontal
1697.6	-29.22	-2.45	-26.77	-13	Vertical
2546.4	-26.82	3.61	-30.43	-13	Horizontal
2546.4	-26.23	2.82	-29.05	-13	Vertical

PCS1900:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3700.4	-26.77	-3.21	-23.56	-13	Horizontal
3700.4	-28.56	0.34	-28.90	-13	Vertical
5550.6	-25.13	3.95	-29.08	-13	Horizontal
5550.6	-28.24	-2.26	-25.98	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3760	-34.85	-3.21	-31.64	-13	Horizontal
3760	-34.67	0.34	-35.01	-13	Vertical
5640	-25.94	3.95	-29.89	-13	Horizontal
5640	-33.39	-2.26	-31.13	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3819.6	-33.73	-3.21	-30.52	-13	Horizontal
3819.6	-25.49	0.34	-25.83	-13	Vertical
5729.4	-34.68	3.95	-38.63	-13	Horizontal
5729.4	-31.55	-2.26	-29.29	-13	Vertical





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Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3704.8	-28.57	-3.21	-25.36	-13	Horizontal
3704.8	-28.59	0.34	-28.93	-13	Vertical
5557.2	-32.95	3.95	-36.90	-13	Horizontal
5557.2	-26.14	-2.26	-23.88	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3760	-26.17	-3.21	-22.96	-13	Horizontal
3760	-25.28	0.34	-25.62	-13	Vertical
5640	-25.84	3.95	-29.79	-13	Horizontal
5640	-25.15	-2.26	-22.89	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3815.2	-34.40	-3.21	-31.19	-13	Horizontal
3815.2	-31.73	0.34	-32.07	-13	Vertical
5722.8	-33.04	3.95	-36.99	-13	Horizontal
5722.8	-32.93	-2.26	-30.67	-13	Vertical

Band 4:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3424.8	-29.64	-3.21	-26.43	-13	Horizontal
3424.8	-31.32	0.34	-31.66	-13	Vertical
5137.2	-25.60	3.95	-29.55	-13	Horizontal
5137.2	-33.37	-2.26	-31.11	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3465.2	-30.79	-3.21	-27.58	-13	Horizontal
3465.2	-26.70	0.34	-27.04	-13	Vertical
5197.8	-32.76	3.95	-36.71	-13	Horizontal
5197.8	-26.94	-2.26	-24.68	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3505.2	-25.56	-3.21	-22.35	-13	Horizontal
3505.2	-25.89	0.34	-26.23	-13	Vertical
5257.8	-33.69	3.95	-37.64	-13	Horizontal
5257.8	-31.77	-2.26	-29.51	-13	Vertical





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Band 5:

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Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1652.8	-27.91	-4.99	-22.92	-13	Horizontal
1652.8	-34.26	-2.45	-31.81	-13	Vertical
2479.2	-34.15	3.61	-37.76	-13	Horizontal
2479.2	-34.25	2.82	-37.07	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1672.8	-26.32	-4.99	-21.33	-13	Horizontal
1672.8	-30.51	-2.45	-28.06	-13	Vertical
2509.2	-30.65	3.61	-34.26	-13	Horizontal
2509.2	-26.94	2.82	-29.76	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1693.2	-28.37	-4.99	-23.38	-13	Horizontal
1693.2	-27.19	-2.45	-24.74	-13	Vertical
2539.8	-30.48	3.61	-34.09	-13	Horizontal
2539.8	-34.97	2.82	-37.79	-13	Vertical

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Band 2:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3720	-26.97	-3.21	-23.76	-13	Horizontal
3720	-33.44	0.34	-33.78	-13	Vertical
5580	-29.52	3.95	-33.47	-13	Horizontal
5580	-31.21	-2.26	-28.95	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3760	-31.32	-3.21	-28.11	-13	Horizontal
3760	-27.99	0.34	-28.33	-13	Vertical
5640	-33.90	3.95	-37.85	-13	Horizontal
5640	-29.17	-2.26	-26.91	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3800	-27.72	-3.21	-24.51	-13	Horizontal
3800	-32.69	0.34	-33.03	-13	Vertical
5700	-29.62	3.95	-33.57	-13	Horizontal
5700	-33.18	-2.26	-30.92	-13	Vertical





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Band 4:

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Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3440	-34.41	-3.21	-31.20	-13	Horizontal
3440	-25.60	0.34	-25.94	-13	Vertical
5160	-31.11	3.95	-35.06	-13	Horizontal
5160	-31.44	-2.26	-29.18	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3465	-28.15	-3.21	-24.94	-13	Horizontal
3465	-25.77	0.34	-26.11	-13	Vertical
5197.5	-26.04	3.95	-29.99	-13	Horizontal
5197.5	-25.34	-2.26	-23.08	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3490	-27.96	-3.21	-24.75	-13	Horizontal
3490	-26.01	0.34	-26.35	-13	Vertical
5235	-31.17	3.95	-35.12	-13	Horizontal
5235	-27.16	-2.26	-24.90	-13	Vertical

Band 5:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1658	-27.49	-4.99	-22.50	-13	Horizontal
1658	-32.58	-2.45	-30.13	-13	Vertical
2487	-26.57	3.61	-30.18	-13	Horizontal
2487	-25.02	2.82	-27.84	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1673	-32.80	-4.99	-27.81	-13	Horizontal
1673	-31.98	-2.45	-29.53	-13	Vertical
2509.5	-31.28	3.61	-34.89	-13	Horizontal
2509.5	-31.33	2.82	-34.15	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1688	-32.42	-4.99	-27.43	-13	Horizontal
1688	-28.71	-2.45	-26.26	-13	Vertical
2532	-29.27	3.61	-32.88	-13	Horizontal
2532	-29.63	2.82	-32.45	-13	Vertical





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Band 7:

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Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
5020	-28.51	-3.21	-25.30	-25	Horizontal
5020	-29.70	0.34	-30.04	-25	Vertical
7530	-28.36	3.95	-32.31	-25	Horizontal
7530	-28.06	-2.26	-25.80	-25	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
5070	-25.57	-3.21	-22.36	-25	Horizontal
5070	-31.21	0.34	-31.55	-25	Vertical
7605	-32.24	3.95	-36.19	-25	Horizontal
7605	-26.40	-2.26	-24.14	-25	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
5120	-27.22	-3.21	-24.01	-25	Horizontal
5120	-29.47	0.34	-29.81	-25	Vertical
7680	-32.80	3.95	-36.75	-25	Horizontal
7680	-30.77	-2.26	-28.51	-25	Vertical

Band 12:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1408	-26.32	-4.99	-21.33	-13	Horizontal
1408	-34.04	-2.45	-31.59	-13	Vertical
2112	-28.53	3.61	-32.14	-13	Horizontal
2112	-25.72	2.82	-28.54	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1415	-34.62	-4.99	-29.63	-13	Horizontal
1415	-31.91	-2.45	-29.46	-13	Vertical
2122.5	-31.76	3.61	-35.37	-13	Horizontal
2122.5	-28.20	2.82	-31.02	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1422	-26.51	-4.99	-21.52	-13	Horizontal
1422	-26.45	-2.45	-24.00	-13	Vertical
2133	-27.40	3.61	-31.01	-13	Horizontal
2133	-27.74	2.82	-30.56	-13	Vertical





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Band 17:

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Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1418	-30.32	-4.99	-25.33	-13	Horizontal
1418	-28.66	-2.45	-26.21	-13	Vertical
2127	-28.99	3.61	-32.60	-13	Horizontal
2127	-34.49	2.82	-37.31	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1420	-26.87	-4.99	-21.88	-13	Horizontal
1420	-33.66	-2.45	-31.21	-13	Vertical
2130	-32.99	3.61	-36.60	-13	Horizontal
2130	-31.18	2.82	-34.00	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1422	-29.40	-4.99	-24.41	-13	Horizontal
1422	-31.63	-2.45	-29.18	-13	Vertical
2133	-31.51	3.61	-35.12	-13	Horizontal
2133	-30.92	2.82	-33.74	-13	Vertical

Band26 (814-824MHz):

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1633	-25.27	-4.99	-20.28	-13	Horizontal
1633	-35.65	-2.45	-33.20	-13	Vertical
2449.5	-27.71	3.61	-31.32	-13	Horizontal
2449.5	-31.28	2.82	-34.10	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1638	-26.73	-4.99	-21.74	-13	Horizontal
1638	-33.04	-2.45	-30.59	-13	Vertical
2457	-25.14	3.61	-28.75	-13	Horizontal
2457	-33.73	2.82	-36.55	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1643	-25.08	-4.99	-20.09	-13	Horizontal
1643	-32.78	-2.45	-30.33	-13	Vertical
2464.5	-28.02	3.61	-31.63	-13	Horizontal
2464.5	-32.00	2.82	-34.82	-13	Vertical





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Mode 1

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1663	-28.16	-4.99	-23.17	-13	Horizontal
1663	-33.82	-2.45	-31.37	-13	Vertical
2494.5	-28.07	3.61	-31.68	-13	Horizontal
2494.5	-33.99	2.82	-36.81	-13	Vertical

Mode 2

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1673	-26.68	-4.99	-21.69	-13	Horizontal
1673	-32.91	-2.45	-30.46	-13	Vertical
2509.5	-25.32	3.61	-28.93	-13	Horizontal
2509.5	-34.06	2.82	-36.88	-13	Vertical

Mode 3

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
1683	-30.38	-4.99	-25.39	-13	Horizontal
1683	-35.38	-2.45	-32.93	-13	Vertical
2524.5	-30.19	3.61	-33.80	-13	Horizontal
2524.5	-33.31	2.82	-36.13	-13	Vertical

Band 40(2305-2315MHz):

Mode 1

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4615	-26.99	-3.21	-23.78	-13	Horizontal
4615	-28.31	0.34	-28.65	-13	Vertical
6922.5	-33.25	3.95	-37.20	-13	Horizontal
6922.5	-28.17	-2.26	-25.91	-13	Vertical

Mode 2

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4620	-29.80	-3.21	-26.59	-13	Horizontal
4620	-31.54	0.34	-31.88	-13	Vertical
6930	-30.05	3.95	-34.00	-13	Horizontal
6930	-33.89	-2.26	-31.63	-13	Vertical

Mode 3

Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4625	-25.81	-3.21	-22.60	-13	Horizontal
4625	-26.08	0.34	-26.42	-13	Vertical
6937.5	-34.56	3.95	-38.51	-13	Horizontal
6937.5	-29.03	-2.26	-26.77	-13	Vertical





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Band 40(2350-2360MHz):

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4705	-25.17	-3.21	-21.96	-13	Horizontal
4705	-26.56	0.34	-26.90	-13	Vertical
7057.5	-33.57	3.95	-37.52	-13	Horizontal
7057.5	-34.41	-2.26	-32.15	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4710	-25.38	-3.21	-22.17	-13	Horizontal
4710	-25.28	0.34	-25.62	-13	Vertical
7065	-32.47	3.95	-36.42	-13	Horizontal
7065	-27.38	-2.26	-25.12	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
4715	-34.63	-3.21	-31.42	-13	Horizontal
4715	-32.54	0.34	-32.88	-13	Vertical
7072.5	-27.84	3.95	-31.79	-13	Horizontal
7072.5	-33.44	-2.26	-31.18	-13	Vertical

Band 41:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl (dBm)	PMea(dBm)	Limit (dBm)	Polarity
5090	-28.73	-3.21	-25.52	-13	Horizontal
5090	-25.62	0.34	-25.96	-13	Vertical
7635	-34.05	3.95	-38.00	-13	Horizontal
7635	-32.58	-2.26	-30.32	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl (dBm)	PMea(dBm)	Limit (dBm)	Polarity
5190	-30.69	-3.21	-27.48	-13	Horizontal
5190	-29.80	0.34	-30.14	-13	Vertical
7785	-34.17	3.95	-38.12	-13	Horizontal
7785	-25.77	-2.26	-23.51	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl (dBm)	PMea(dBm)	Limit (dBm)	Polarity
5290	-32.85	-3.21	-29.64	-13	Horizontal
5290	-28.15	0.34	-28.49	-13	Vertical
7935	-27.97	3.95	-31.92	-13	Horizontal
7935	-32.38	-2.26	-30.12	-13	Vertical





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Band 66:

Mode 1					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
5440	-28.74	-3.21	-25.53	-13	Horizontal
5440	-32.99	0.34	-33.33	-13	Vertical
8160	-34.23	3.95	-38.18	-13	Horizontal
8160	-30.12	-2.26	-27.86	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
3490	-33.46	-3.21	-30.25	-13	Horizontal
3490	-27.98	0.34	-28.32	-13	Vertical
5235	-25.93	3.95	-29.88	-13	Horizontal
5235	-27.71	-2.26	-25.45	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	ARpl(dBm)	PMea(dBm)	Limit (dBm)	Polarity
5540	-28.91	-3.21	-25.70	-13	Horizontal
5540	-33.35	0.34	-33.69	-13	Vertical
8310	-29.04	3.95	-32.99	-13	Horizontal
8310	-34.53	-2.26	-32.27	-13	Vertical





9. OCCUPIED BANDWIDTH & EMISSION BANDWIDTH

Test limit:

The occupied bandwidth (OBW), that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission, shall be measured when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the occupied bandwidth shall be shown for operation with any devices used for modifying the spectrum when such devices are optional at the discretion of the user. [i]2.1049(h)]

Many of the individual rule parts specify a relative OBW in lieu of the 99% OBW. In such cases, the OBW 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 by at least X dB below the transmitter power, where the value of X is typically specified as 26.

The relative OBW must be measured and reported when it is specified in the applicable rule part; otherwise, the 99% OBW shall be measured and reported. The test report shall specify which OBW is reported.

A spectrum/signal analyzer or other instrument providing a spectral display is recommended for these measurements and the video bandwidth shall be set to a value at least three times greater than the IF/resolution bandwidth to avoid any amplitude smoothing. Video filtering shall not be used during occupied bandwidth tests.

The OBW shall be measured for all operating conditions that will affect the bandwidth results (e.g. variable modulations, coding, or channel bandwidth settings). See section 4.

Test procedure:

Occupied bandwidth – relative measurement procedure

The reference value is the highest level of the spectral envelope of the modulated signal.

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
- The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to prevent the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- The dynamic range of the spectrum analyzer at the selected RBW shall be at least 10 dB below the target “-X dB down” requirement (i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference value).
- Set the detection mode to peak, and the trace mode to max hold.
- Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
- Determine the “-X dB down amplitude” as equal to (Reference Value – X). Alternatively, this calculation can be performed by the analyzer by using the marker-delta function.
- Place two markers, one at the lowest and the other at the highest frequency of the



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envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step g). If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

j) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Occupied bandwidth – power bandwidth (99%) measurement procedure

The following procedure shall be used for measuring (99 %) power bandwidth

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.

c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.

d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.

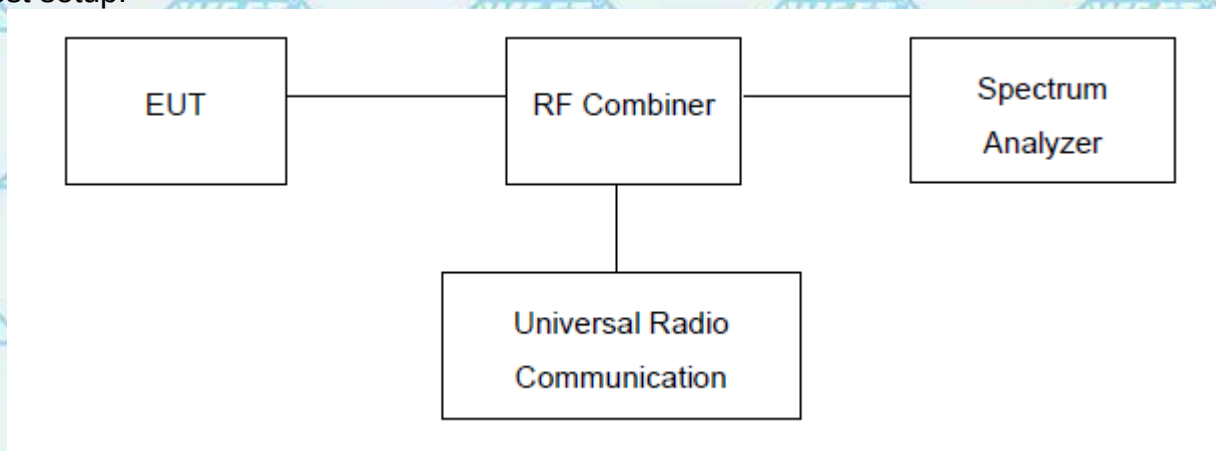
e) Set the detection mode to peak, and the trace mode to max hold..

f) Use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

g) If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.

h) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Test setup:



9.1. Measurement Result

GSM850:

Frequency	OBW(99%)	26dB BW
824.2	245.19KHz	306.09KHz
836.6	246.79KHz	320.51KHz
848.8	245.19KHz	315.71KHz

PCS1900:

Frequency	OBW(99%)	26dB BW
1850.2	245.19KHz	314.10KHz
1880	243.59KHz	317.31KHz
1909.8	248.40KHz	318.91KHz

GPRS850:

Frequency	OBW(99%)	26dB BW
824.2	245.19KHz	317.31KHz
836.6	243.59KHz	318.91KHz
848.8	248.40KHz	315.71KHz

GPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	246.79KHz	317.31KHz
1880	245.19KHz	322.12KHz
1909.8	243.59KHz	314.10KHz



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EGPRS 850:

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Frequency	OBW(99%)	26dB BW
824.2	246.79KHz	317.31KHz
836.6	245.19KHz	318.91KHz
848.8	245.19KHz	319.23KHz

EGPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	243.59KHz	315.71KHz
1880	245.59KHz	314.10KHz
1909.8	245.19KHz	319.23KHz

UTRA BANDS
Band 2:

Frequency	OBW(99%)	26dB BW
1852.4	4.151MHz	4.696MHz
1880	4.151MHz	4.696MHz
1907.6	4.151MHz	4.714MHz

Band 4:

Frequency	OBW(99%)	26dB BW
1712.4	4.151MHz	4.696MHz
1732.6	4.151MHz	4.679MHz
1752.6	4.135MHz	4.679MHz

Band 5:

Frequency	OBW(99%)	26dB BW
826.4	4.151MHz	4.685MHz
836.4	4.167MHz	4.679MHz
846.6	4.151MHz	4.696MHz

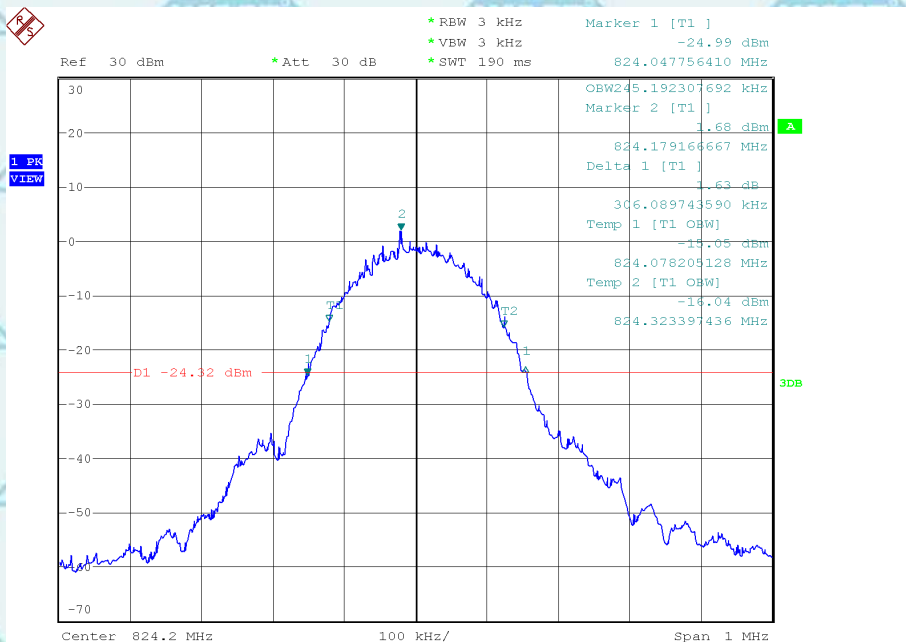


Report No.: WSCT-A2LA-R&E240300016A-RF
Test Plot(s)

Certificate #5768.01

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Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 128



Date: 17.APR.2024 14:01:25



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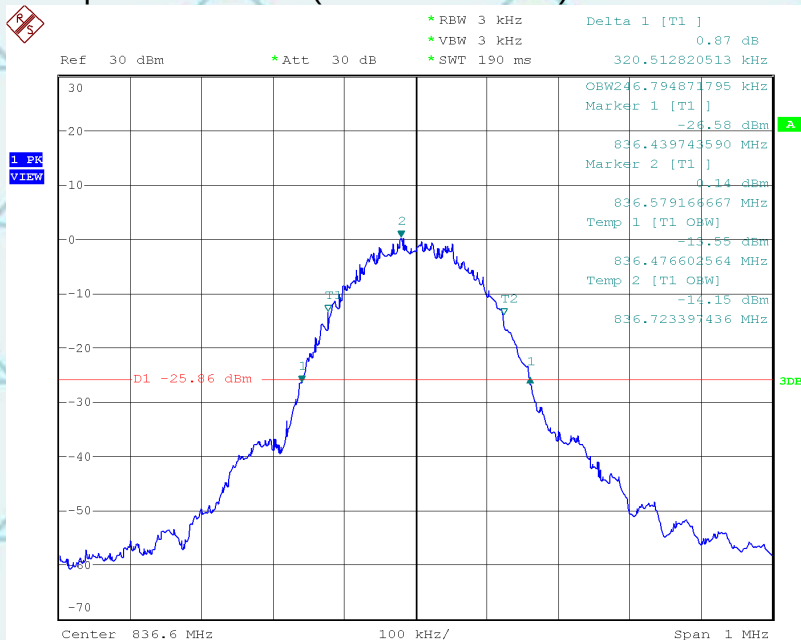


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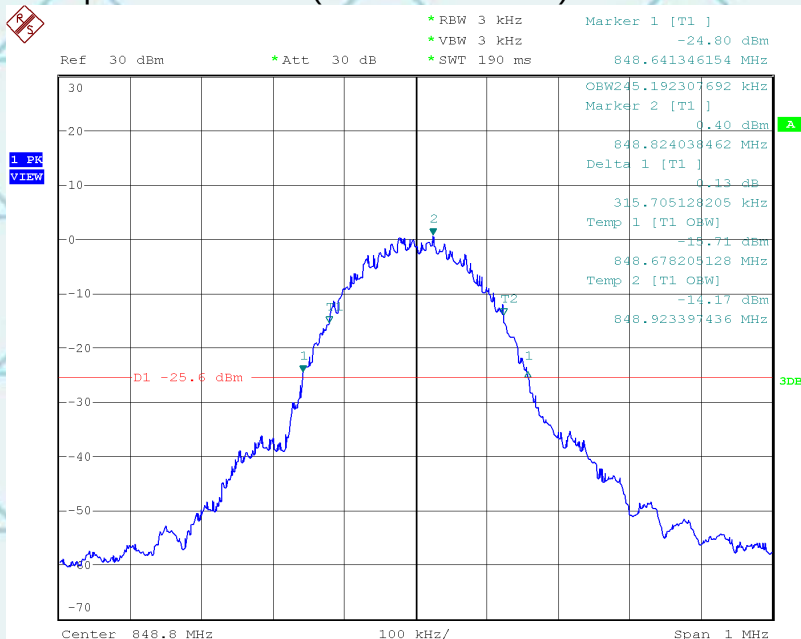
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Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 190



Date: 17.APR.2024 14:03:49

Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 251



Date: 17.APR.2024 13:57:42

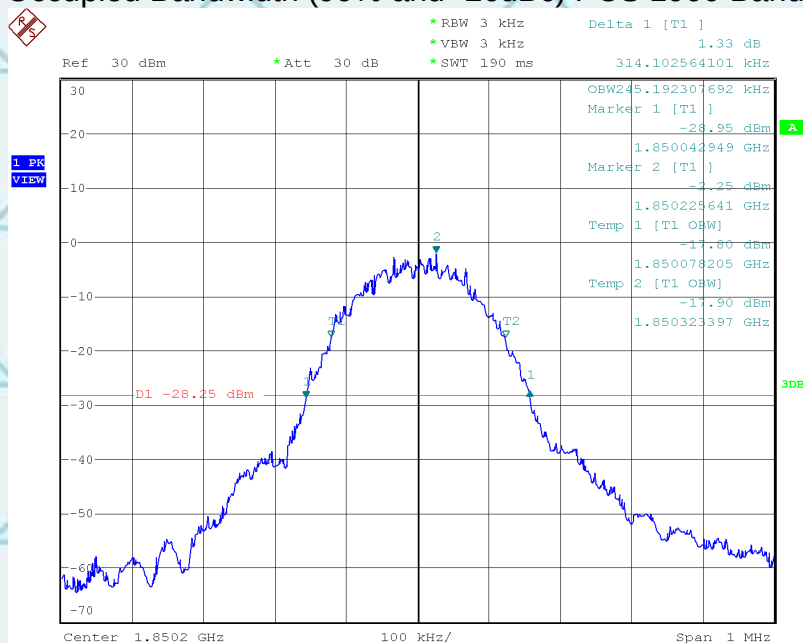


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

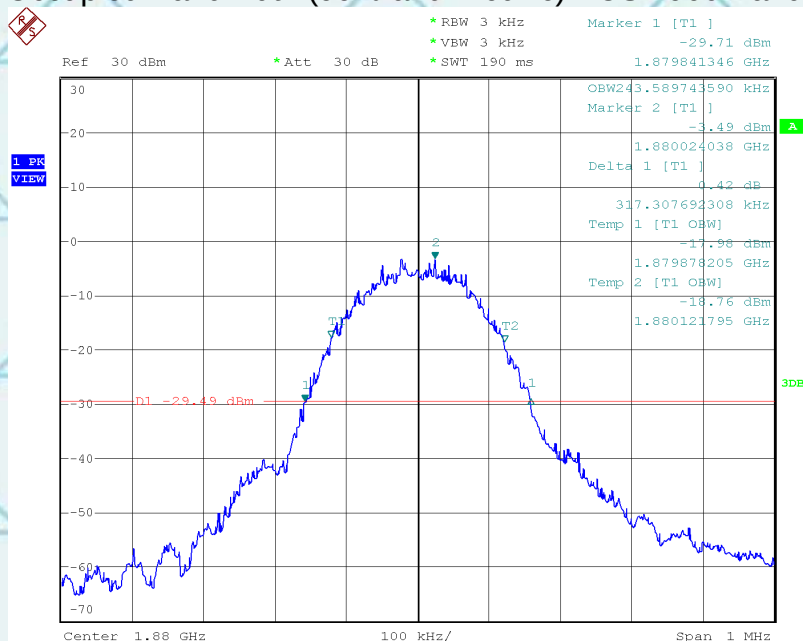
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Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 512



Date: 17.APR.2024 14:45:21

Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 661



Date: 17.APR.2024 14:42:53



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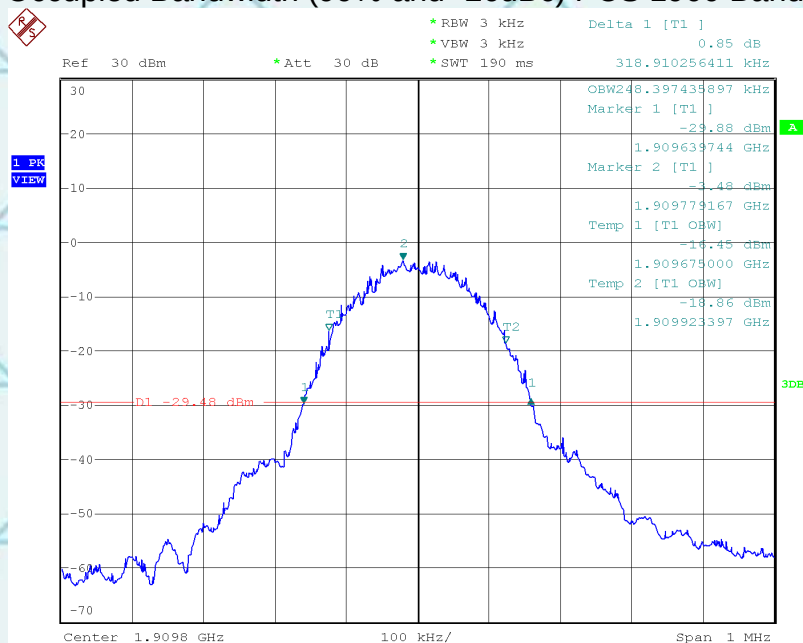


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

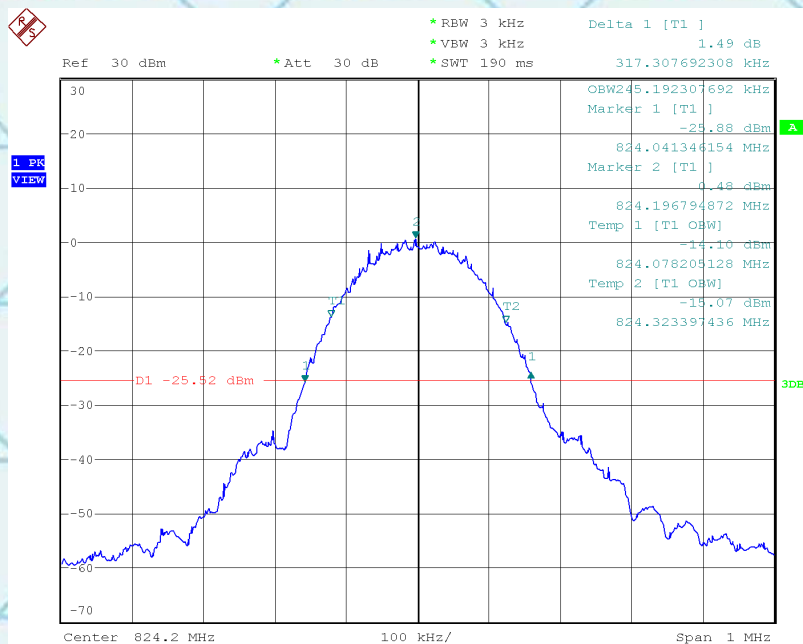
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Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 810



Date: 17.APR.2024 14:41:47

Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 128



Date: 17.APR.2024 13:50:30

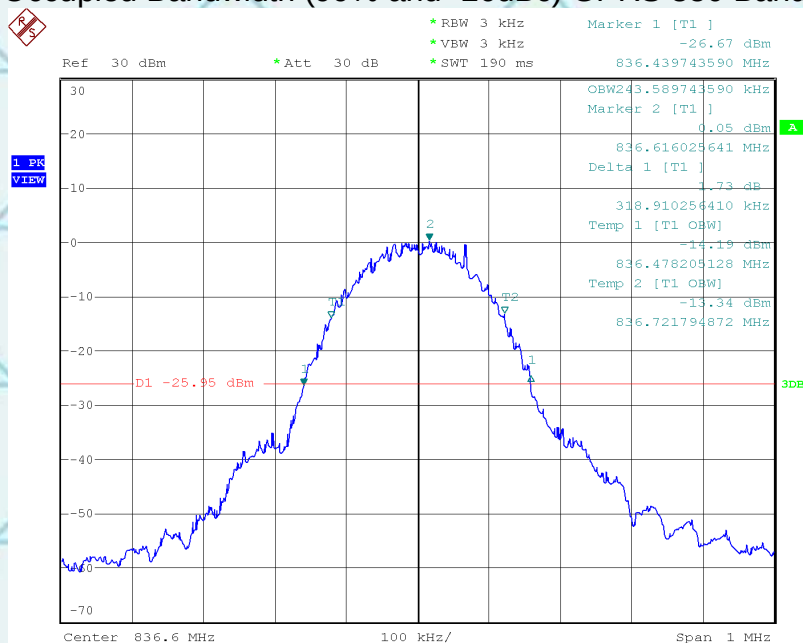


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

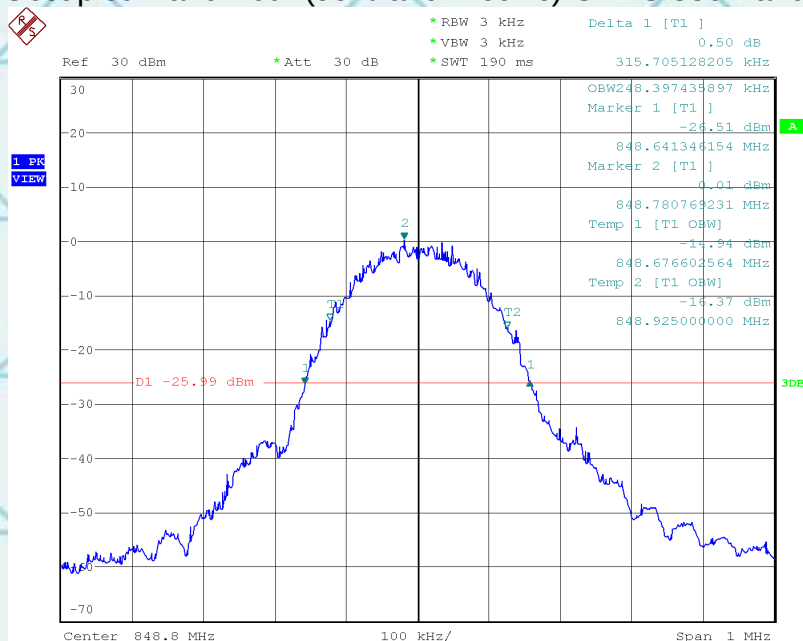
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Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 190



Date: 17.APR.2024 13:53:02

Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 251



Date: 17.APR.2024 13:54:30

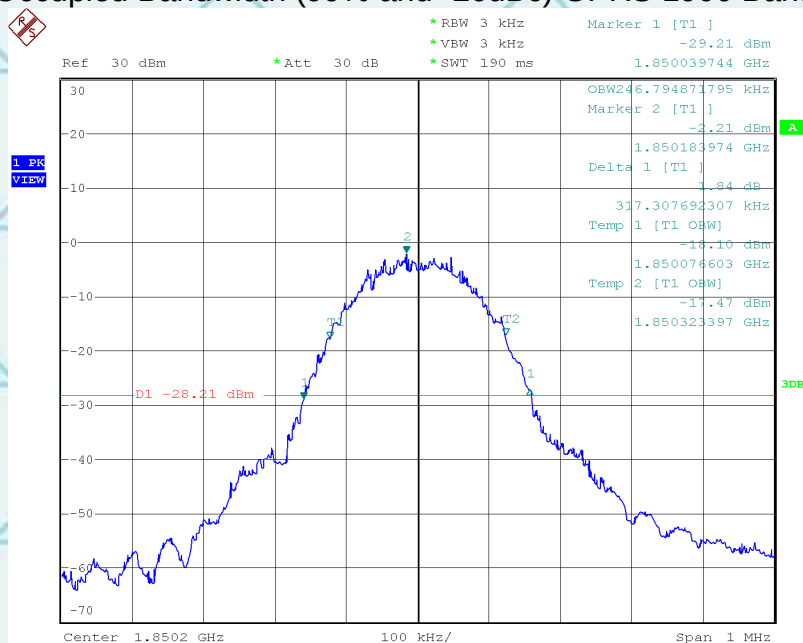


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

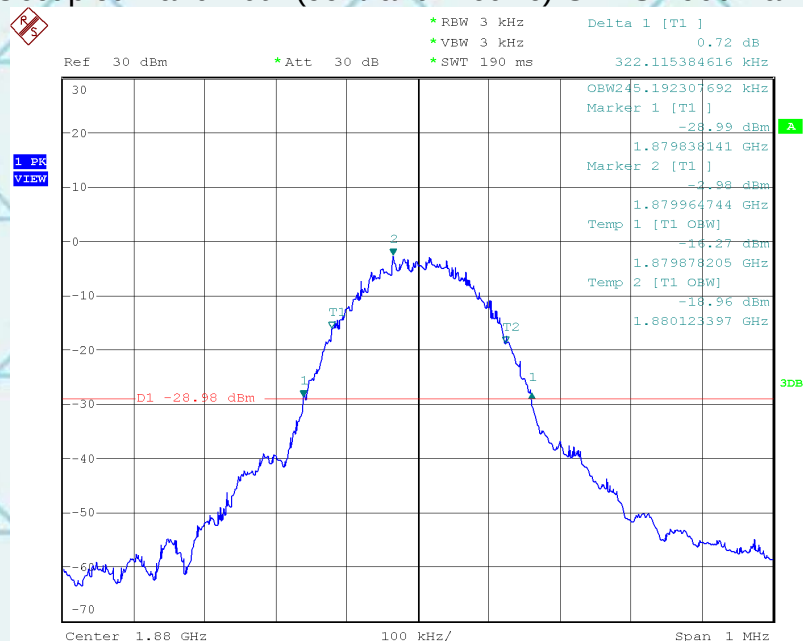
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Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 512



Date: 17.APR.2024 14:32:57

Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 661



Date: 17.APR.2024 14:37:08

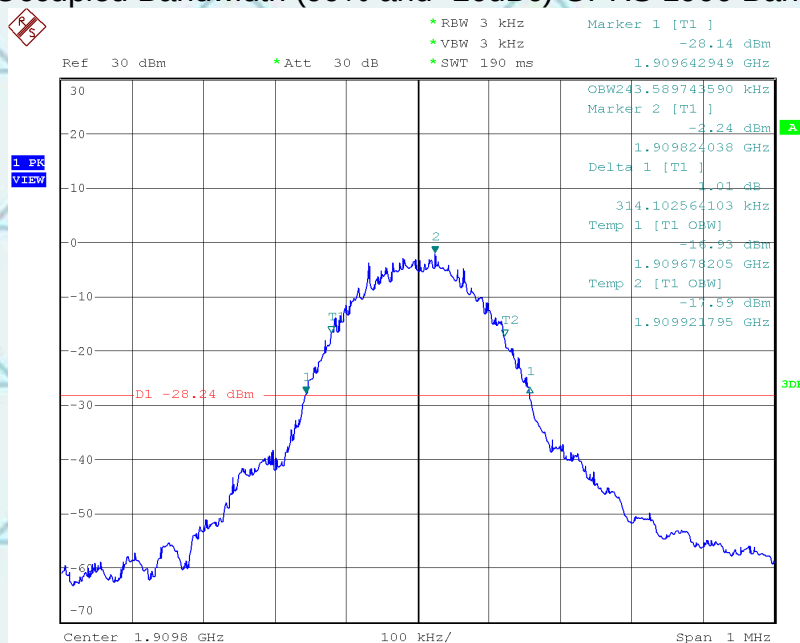


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

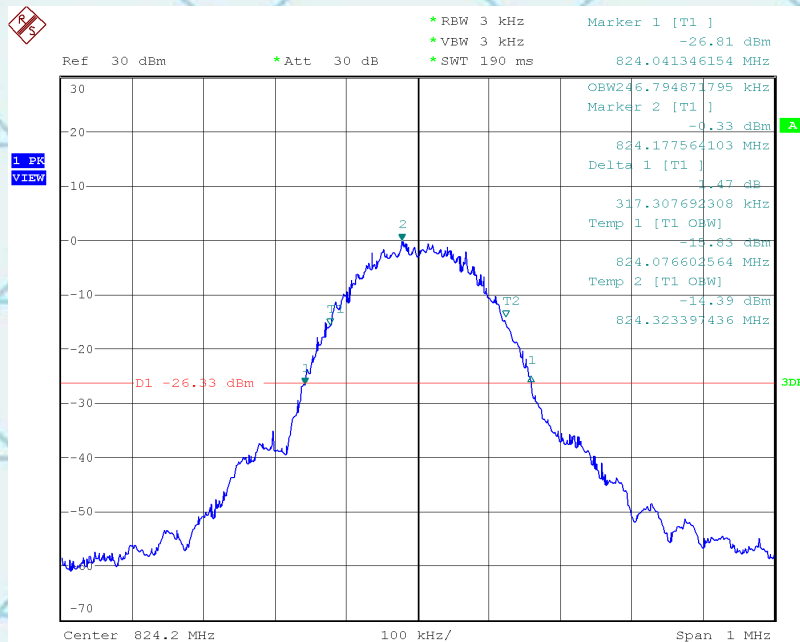
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Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 810



Date: 17.APR.2024 14:39:32

Occupied Bandwidth (99% and -26dBc) EGPRS 850 Band CH 128



Date: 17.APR.2024 13:34:39

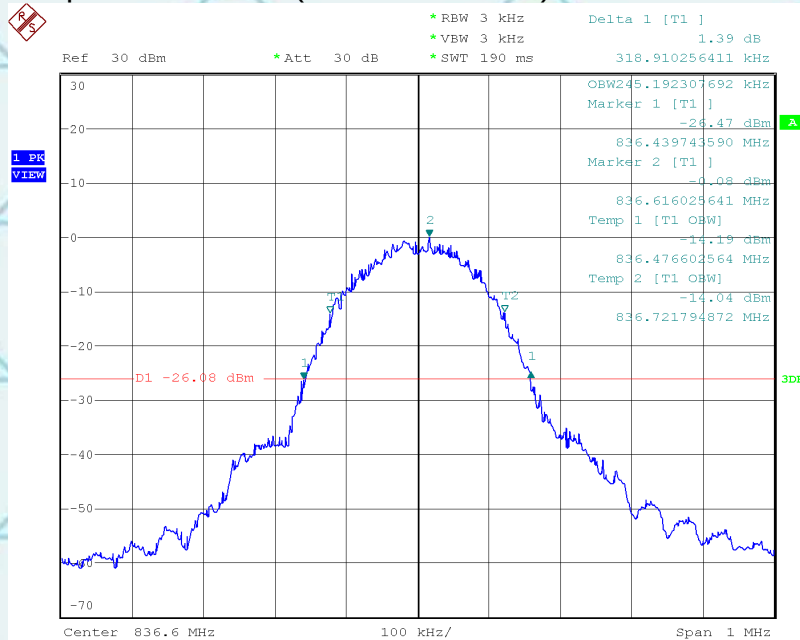


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

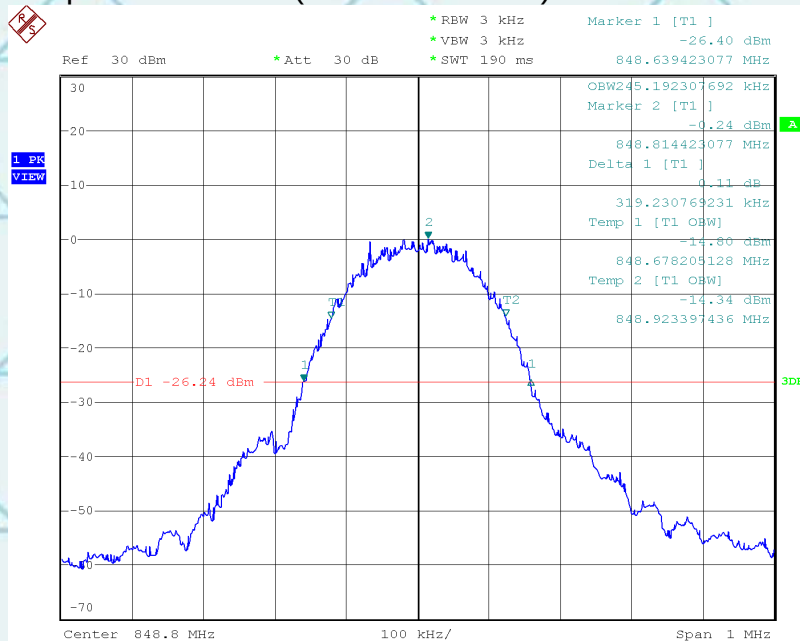
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Occupied Bandwidth (99% and -26dBc) EGPRS 850 Band CH 190



Date: 17.APR.2024 13:32:29

Occupied Bandwidth (99% and -26dBc) EGPRS 850 Band CH 251



Date: 17.APR.2024 13:30:39

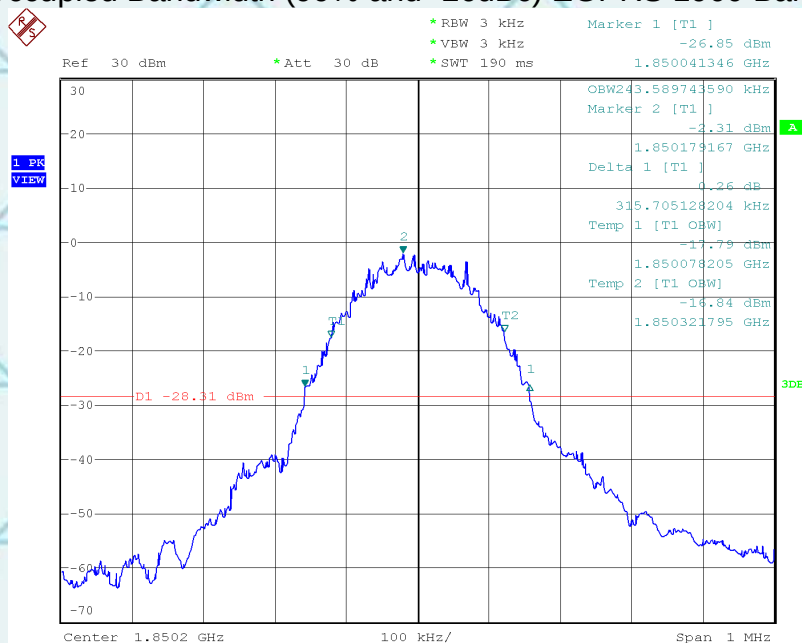


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

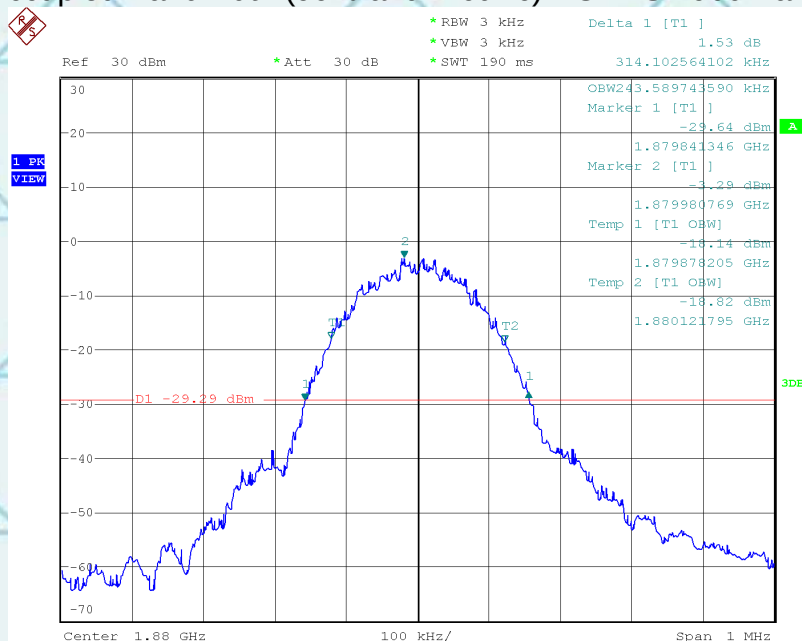
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Occupied Bandwidth (99% and -26dBc) EGPRS 1900 Band CH 512



Date: 17.APR.2024 14:30:48

Occupied Bandwidth (99% and -26dBc) EGPRS 1900 Band CH 661



Date: 17.APR.2024 14:29:14

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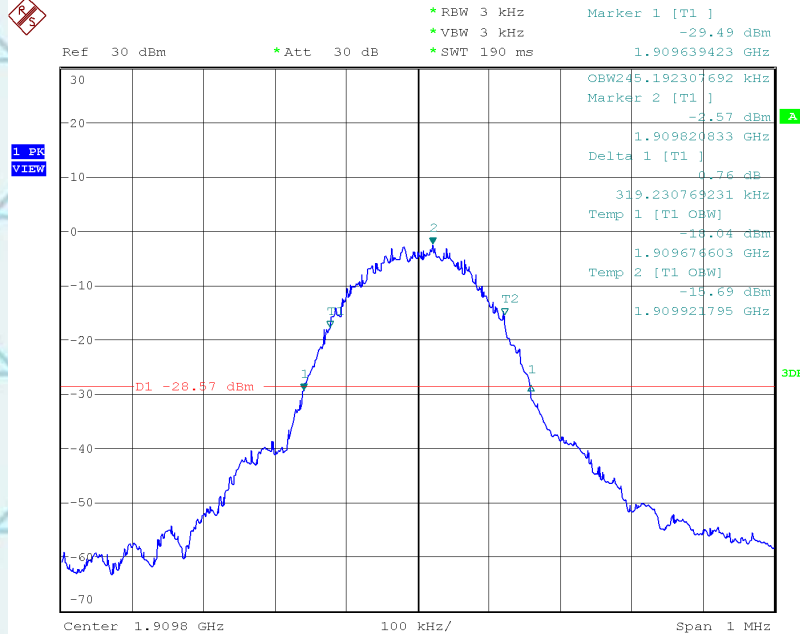


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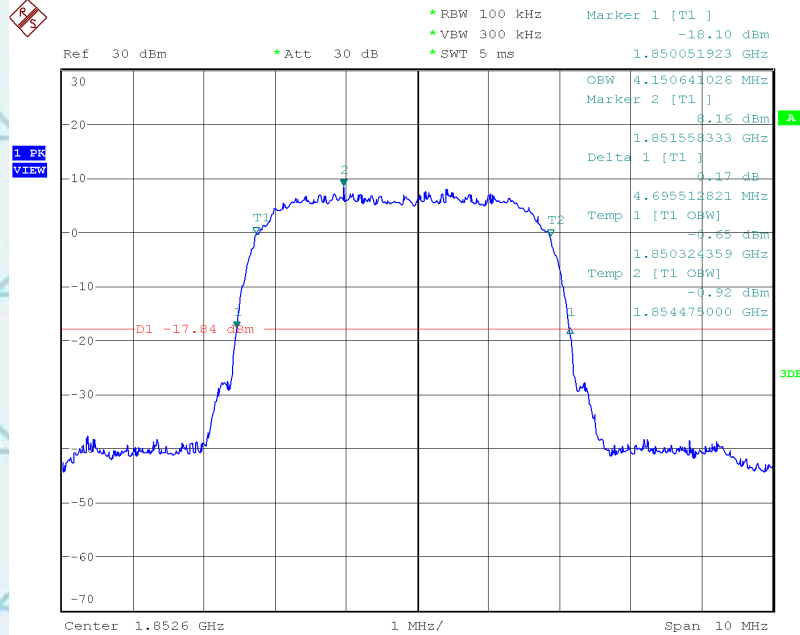
Occupied Bandwidth (99% and -26dBc) EGPRS 1900 Band CH 810



Date: 17.APR.2024 14:26:44

UTRA BANDS

Occupied Bandwidth (99% and -26dBc) WCDMA Band 2 CH 9262



Date: 17.APR.2024 15:07:54

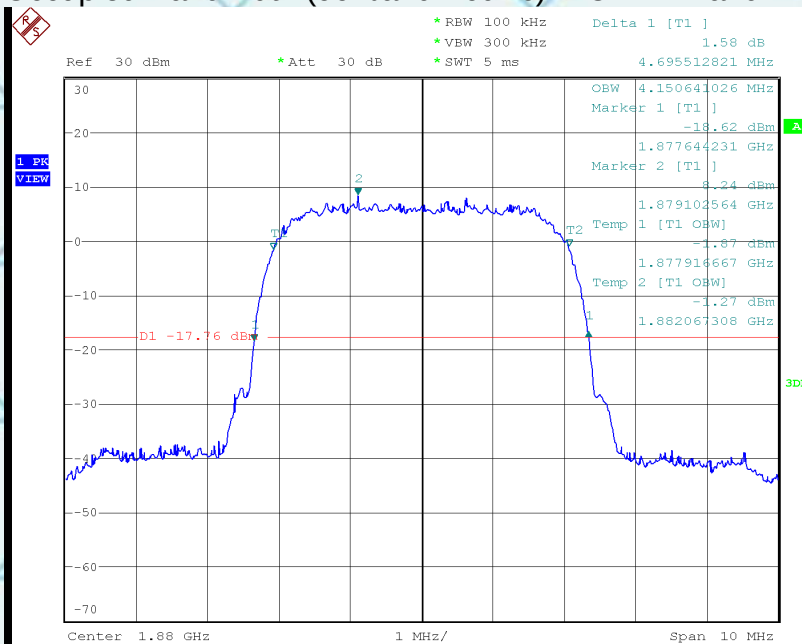


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

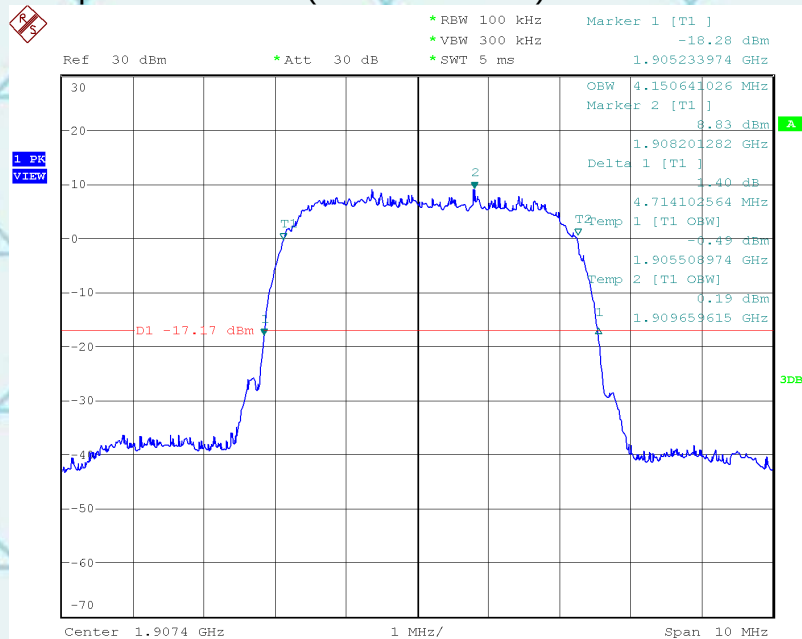
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Occupied Bandwidth (99%and-26dBc) WCDMA Band 2 CH 9400



Date: 17.APR.2024 15:06:22

Occupied Bandwidth (99%and-26dBc) WCDMA Band 2 CH 9538



Date: 17.APR.2024 15:04:54

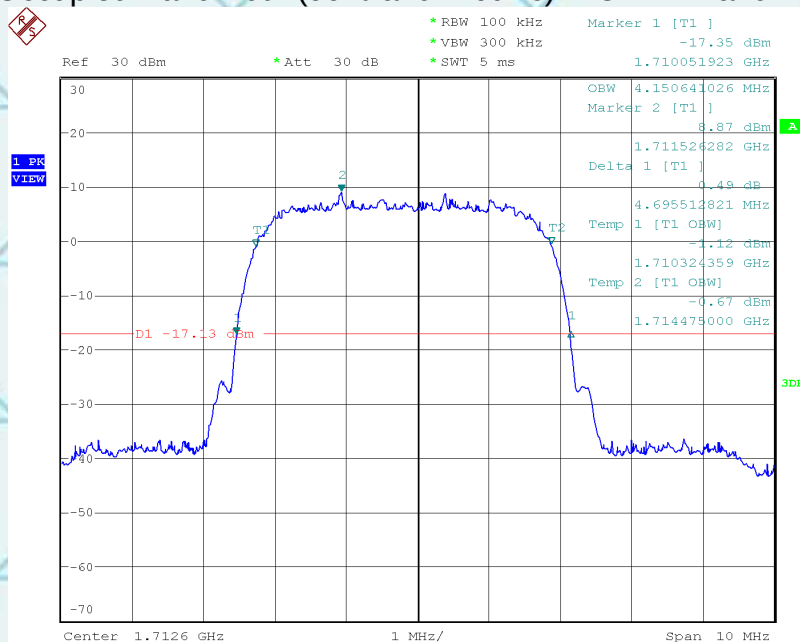


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

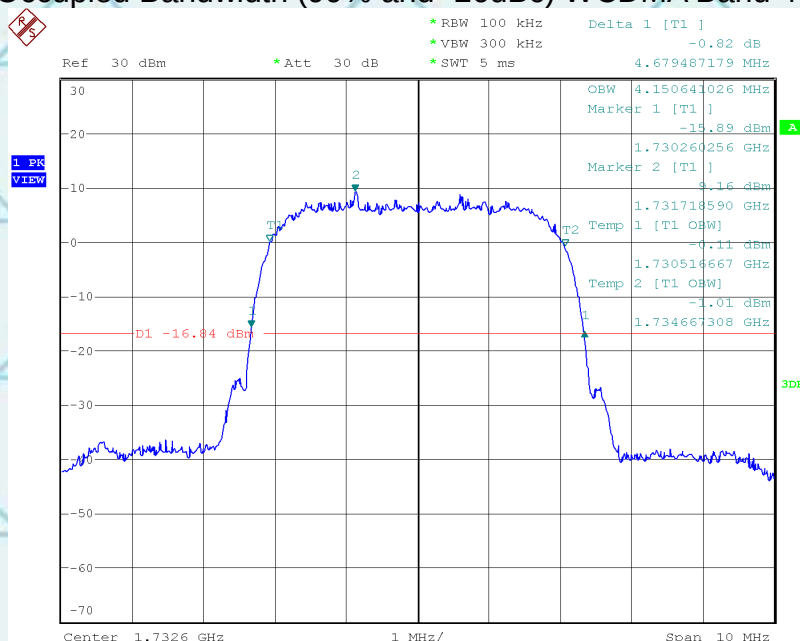
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Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1312



Date: 17.APR.2024 15:27:03

Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1413



Date: 17.APR.2024 15:25:25

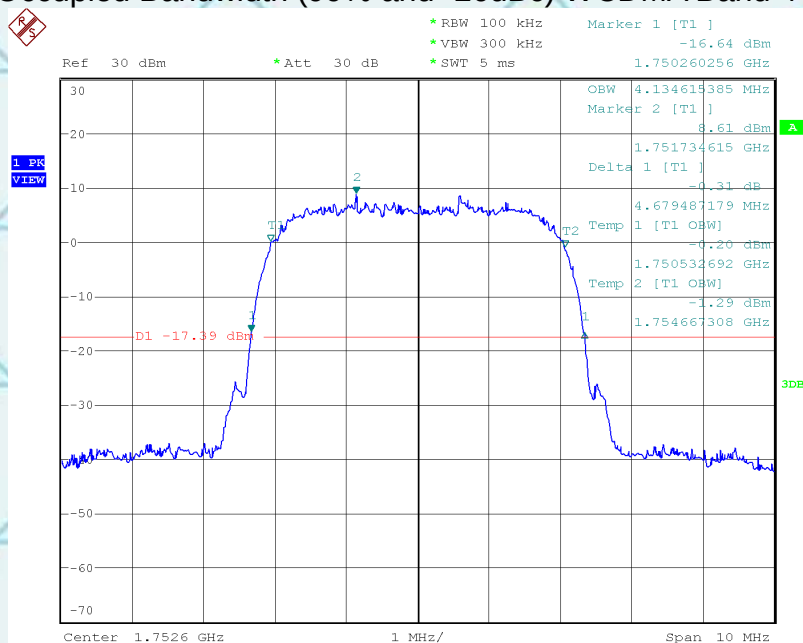


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

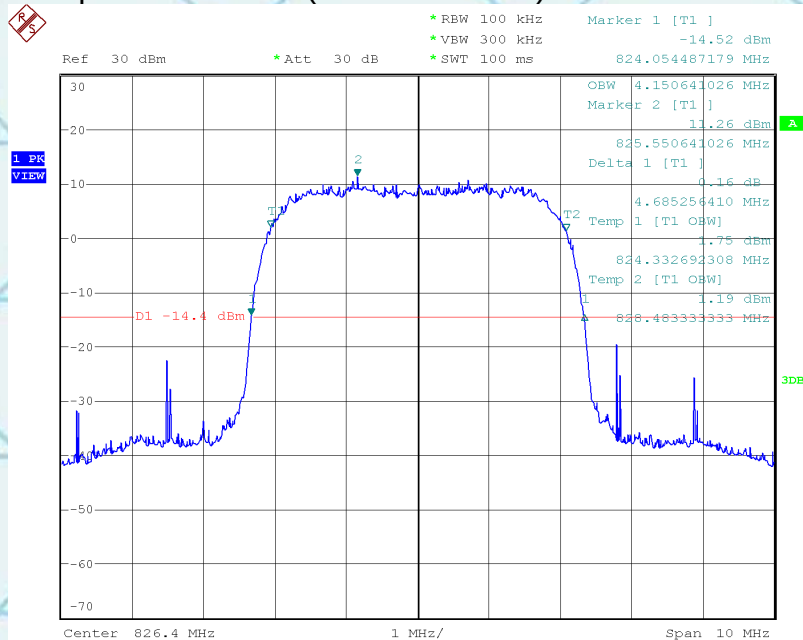
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Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1513



Date: 17.APR.2024 15:23:53

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4132



Date: 17.APR.2024 15:56:07

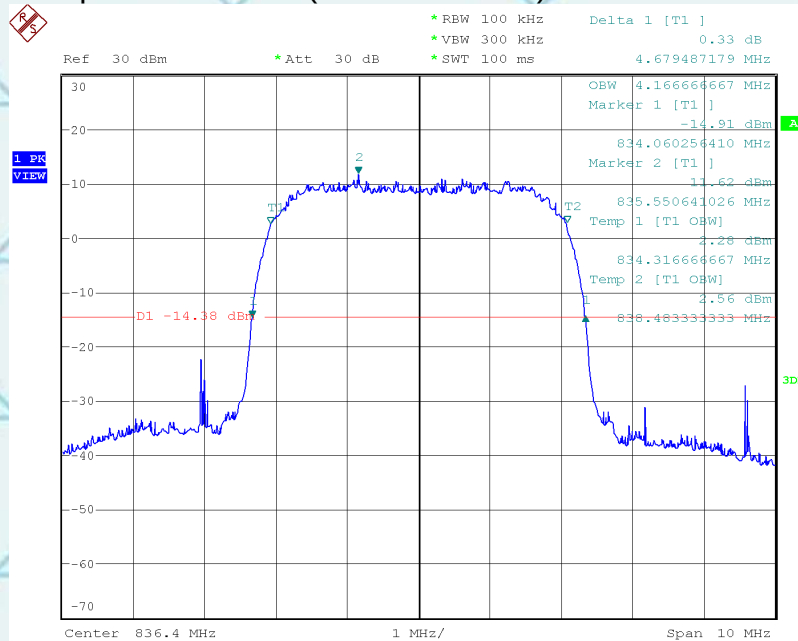


Report No.: WSCT-A2LA-R&E240300016A-RF

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4182

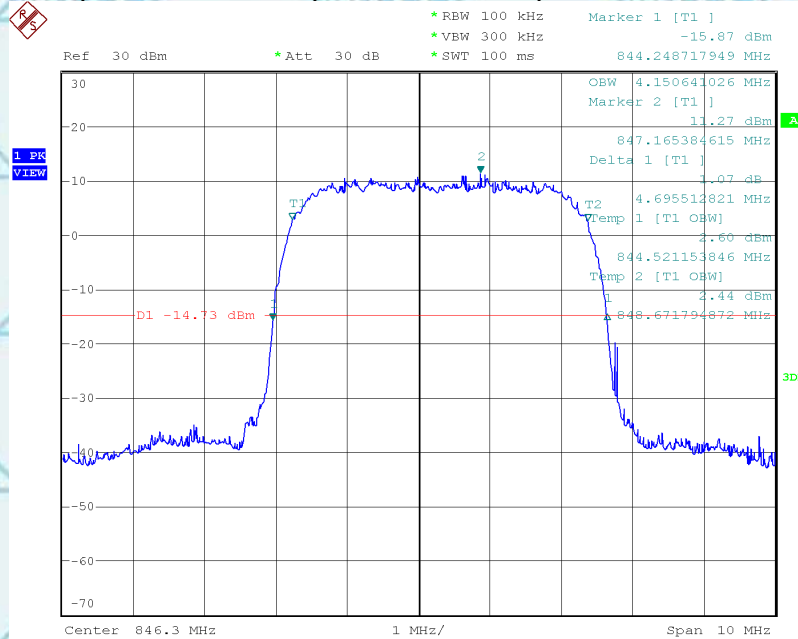
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Date: 17.APR.2024 15:57:20

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4233



Date: 17.APR.2024 15:58:28

Note: Please refer to Annex (LTE Chapter 3 Occupied bandwidth) for more test data



10. BAND EDGE

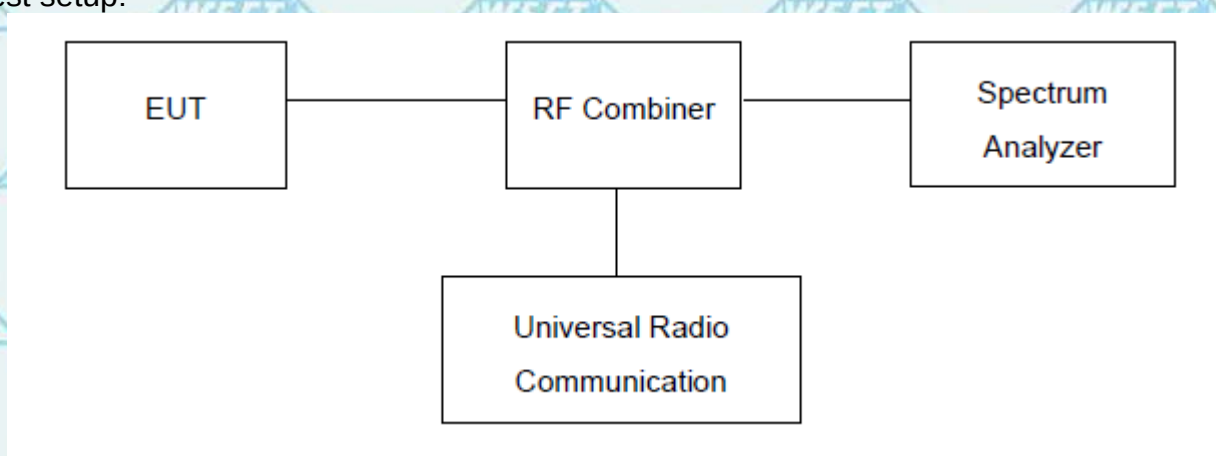
Test Limit:

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in §2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified. See section 4.

Test procedure:

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

Test setup:





Report No.: WSCT-A2LA-R&E240300016A-RF

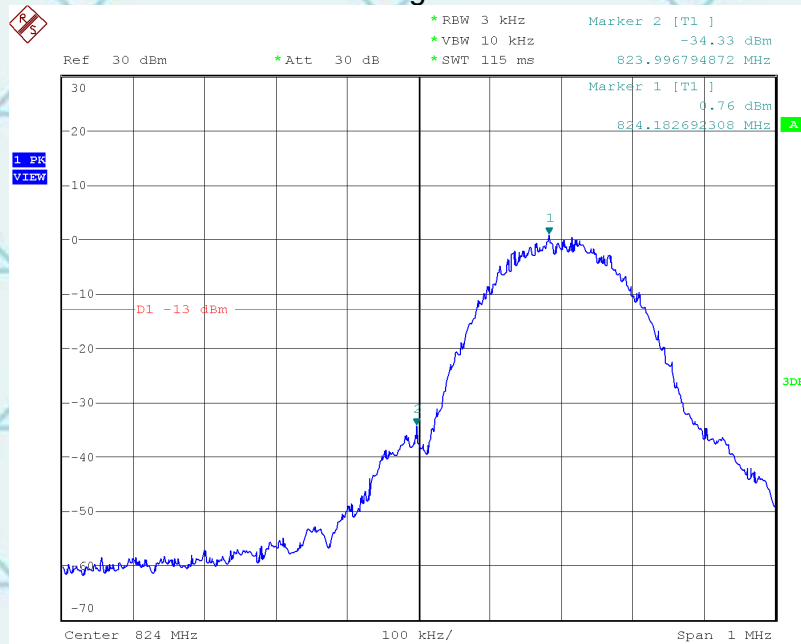
Certificate #5768.01

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10.1. Measurement Result

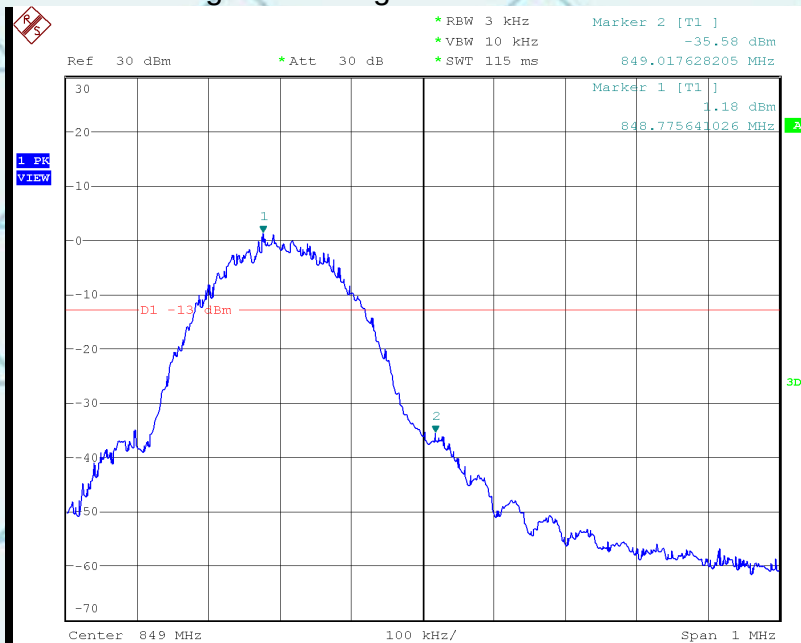
Test Plot(s)

Low Band Edge GSM 850 Band CH 128



Date: 17.APR.2024 13:25:23

High Band Edge GSM 850 Band CH 251



Date: 17.APR.2024 13:26:52

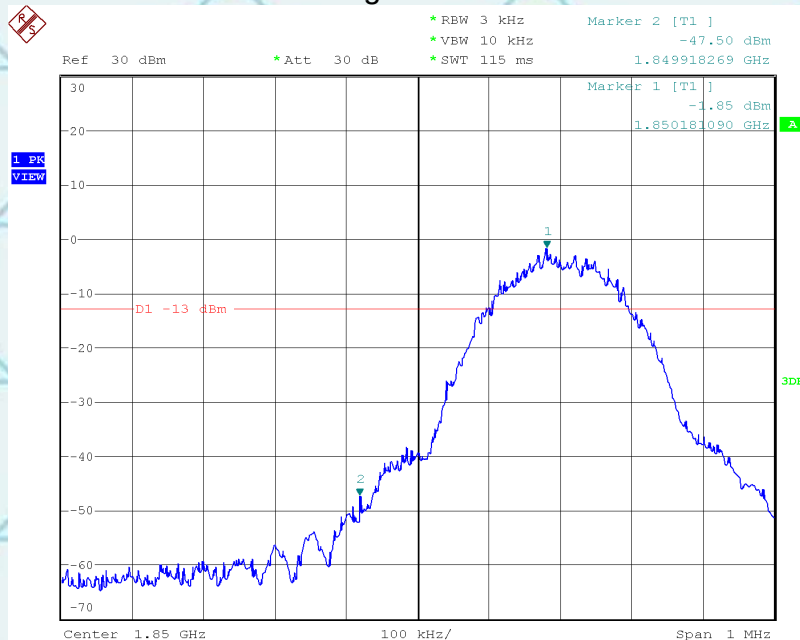


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

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Low Band Edge PCS 1900 Band CH 512



Date: 17.APR.2024 14:21:31

High Band Edge PCS 1900 Band CH 810



Date: 17.APR.2024 14:22:37

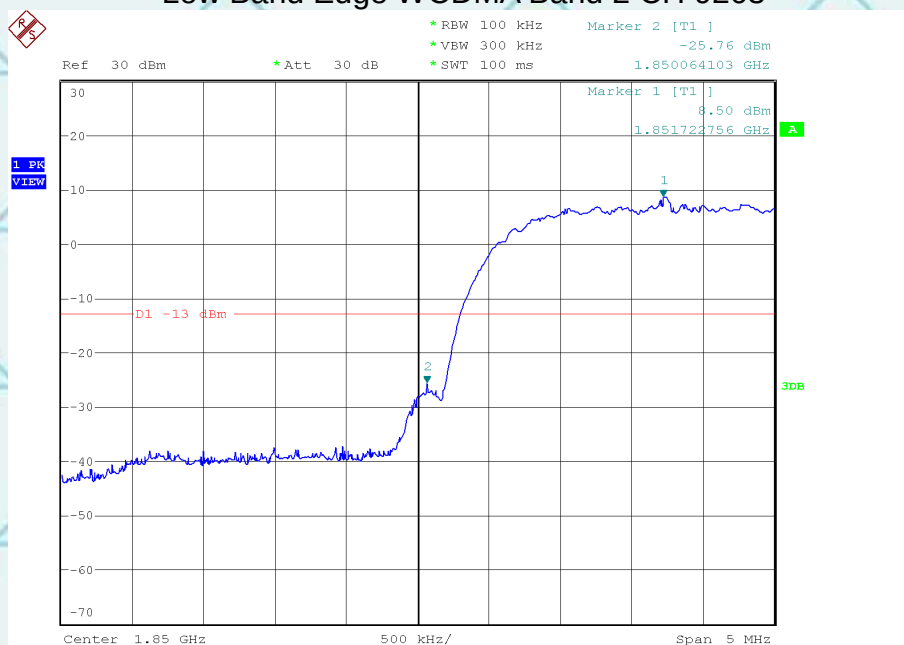


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

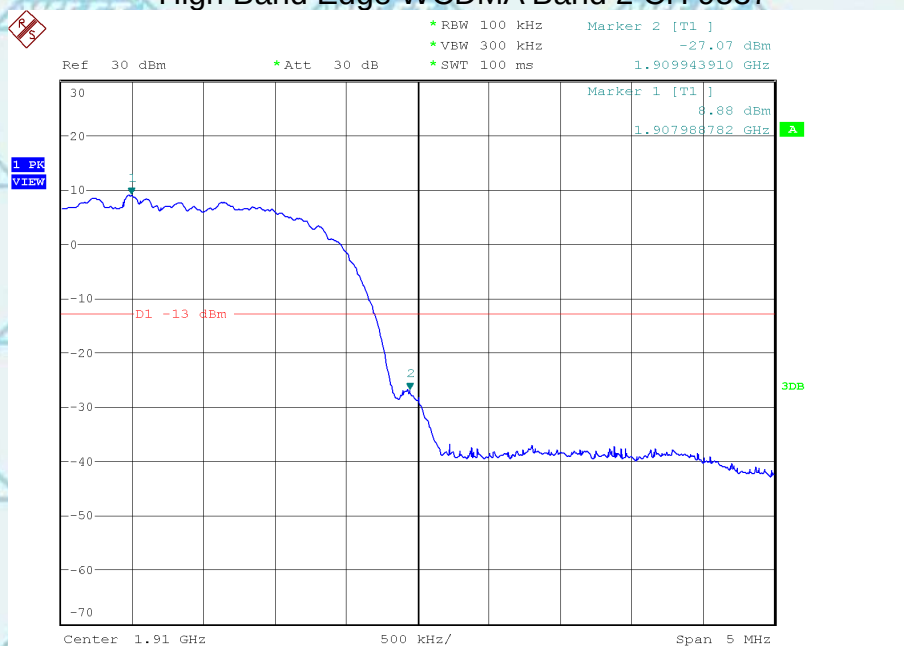
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Low Band Edge WCDMA Band 2 CH 9263



Date: 17.APR.2024 15:00:29

High Band Edge WCDMA Band 2 CH 9537



Date: 17.APR.2024 15:02:25



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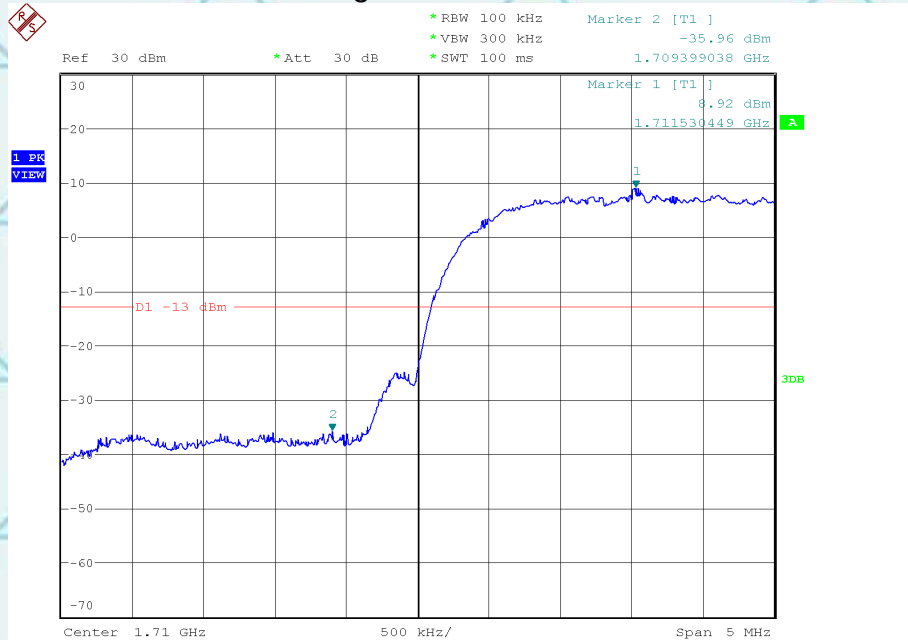


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

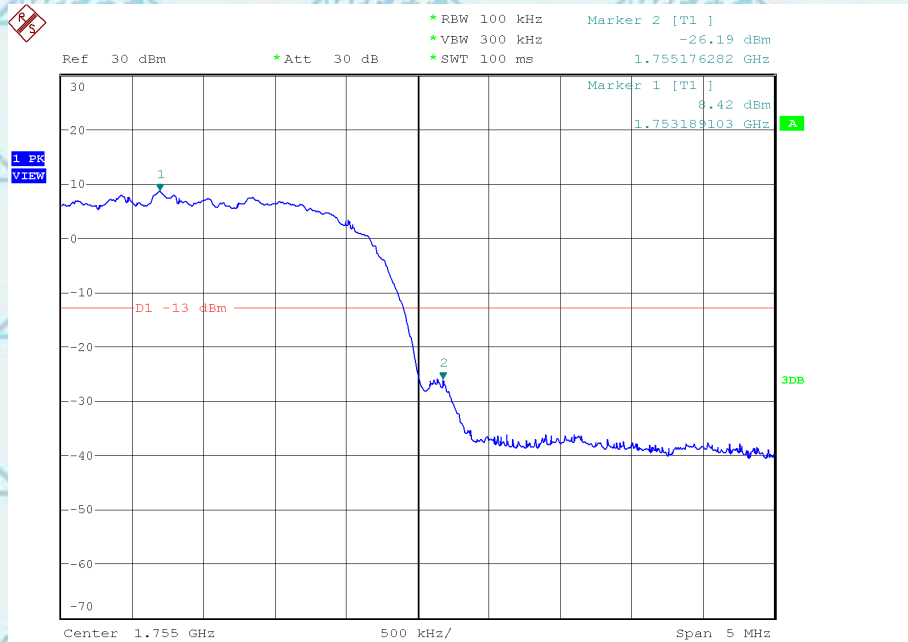
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Low Band Edge WCDMA Band 4 CH 1312



Date: 17.APR.2024 15:20:01

Low Band Edge WCDMA Band 4 CH 1513



Date: 17.APR.2024 15:21:12

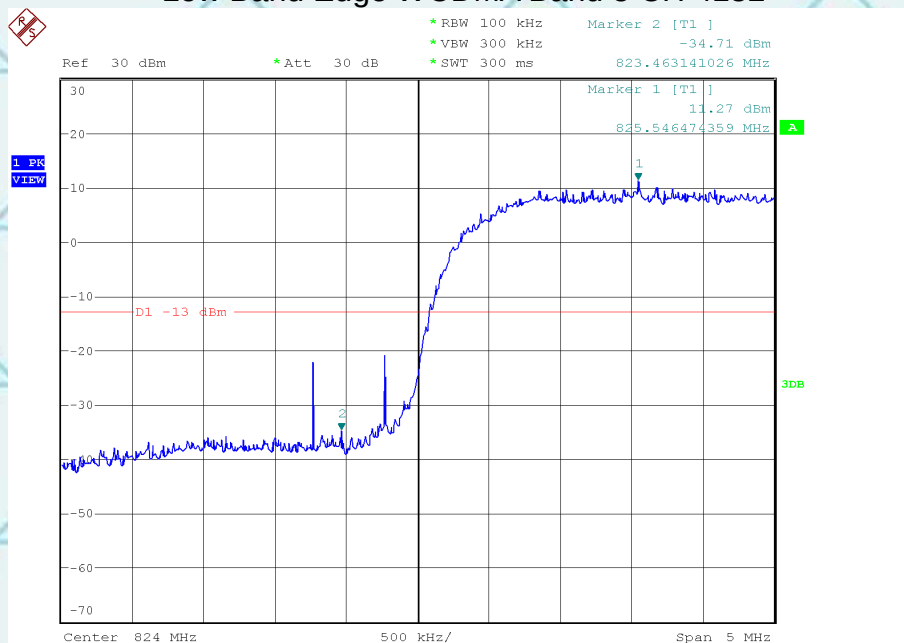


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

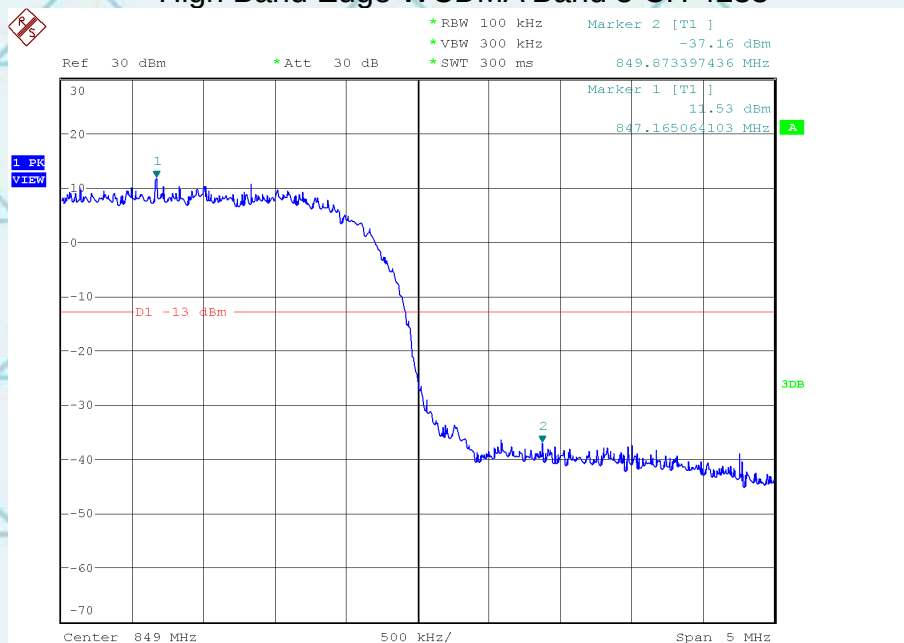
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Low Band Edge WCDMA Band 5 CH 4132



Date: 17.APR.2024 16:03:32

High Band Edge WCDMA Band 5 CH 4233



Date: 17.APR.2024 16:01:33

Note: Please refer to Annex (LTE Chapter 4 Band edge) for more test data.



Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

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11. SPURIOUS EMISSION (Conducted and Radiated)

11.1. Measurement Result (Pre-measurement)

GSM850:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	128	824.2	Pass
Middle Range	0.2	190	836.6	Pass
High Range	0.2	251	848.8	Pass

PCS 1900 :

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	512	1850.2	Pass
Middle Range	0.2	661	1880.0	Pass
High Range	0.2	810	1909.8	Pass

UTRA BANDS

Band 2:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	9262	1852.4	Pass
Middle Range	5	9400	1880.0	Pass
High Range	5	9538	1907.6	Pass

Band 4:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	1312	1712.4	Pass
Middle Range	5	1413	1732.6	Pass
High Range	5	1513	1752.6	Pass

Band 5:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	4132	826.4	Pass
Middle Range	5	4182	836.4	Pass
High Range	5	4233	846.6	Pass



Report No.: WSCT-A2LA-R&E240300016A-RF

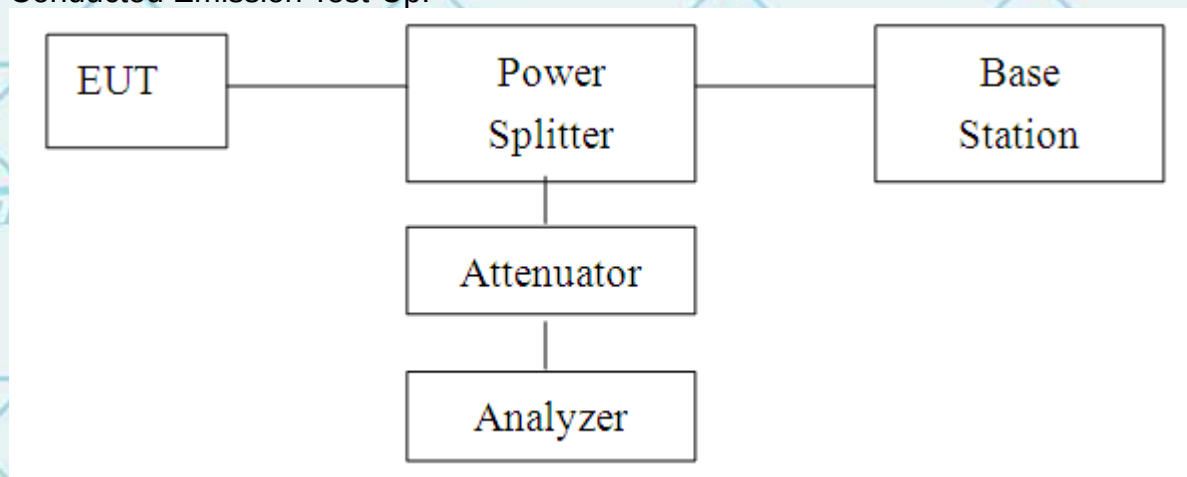
Test Plot(s)**Conducted method****Test limit:**

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading 'emission limits') normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. In some rule parts, the unwanted emission limits are specified by an emission mask that defines the applicable limit as a function of the frequency range relative to the authorized frequency block.

Typically, unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least $X + 10\log(P)$ dB, where P represents the transmitter power expressed in watts and X is a specified scalar value (e.g., 43). This specification can be interpreted in one of two equivalent ways. First, the required attenuation can be construed to be relative to the mean carrier power, with the resultant of the equation $X + 10\log(P)$ being expressed in dBc (dB relative to the maximum carrier power). Alternatively, the specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10\log(P) - \{X + 10\log(P)\}$], resulting in an absolute level of $-X$ dBW [or $(-X + 30)$ dBm]. See section 4.

Test procedure:

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

Conducted Emission Test-Up:

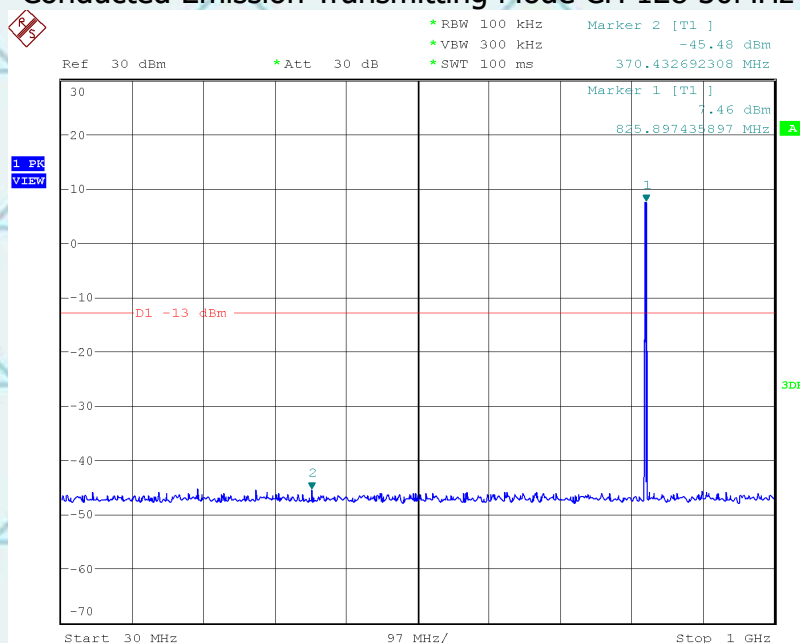


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CONDUCTED EMISSION IN GSM850 Band Conducted Emission Transmitting Mode CH 128 30MHz – 1GHz



Date: 17.APR.2024 14:12:15

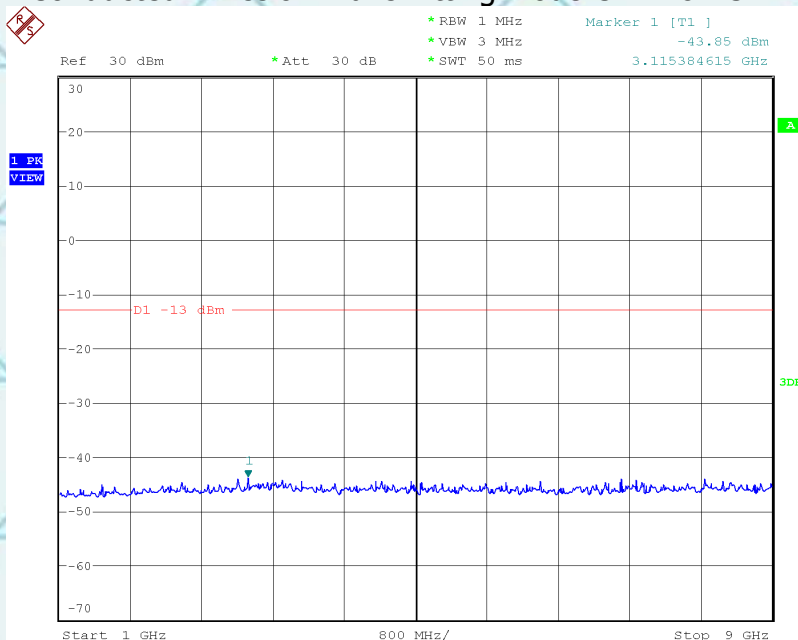


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

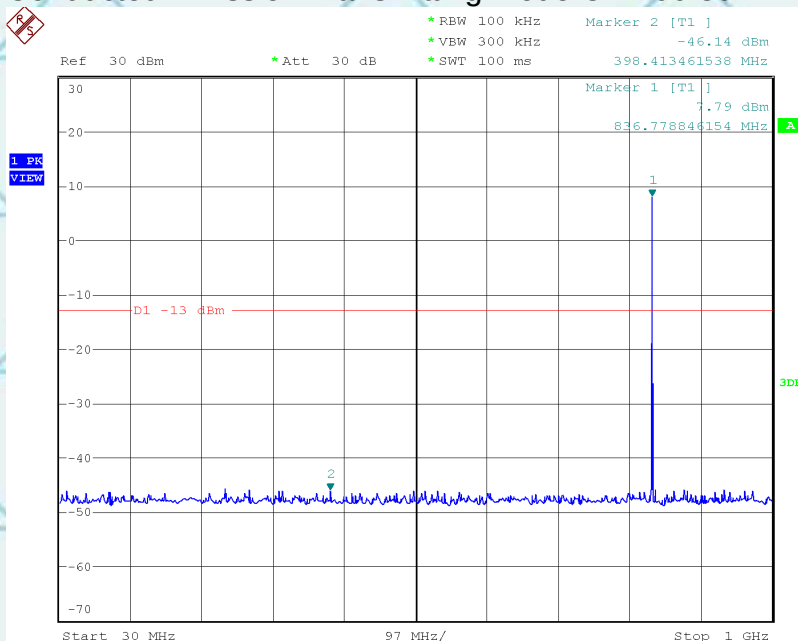
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Conducted Emission Transmitting Mode CH 128 1GHz – 9GHz



Date: 17.APR.2024 14:18:17

Conducted Emission Transmitting Mode CH 190 30MHz – 1GHz



Date: 17.APR.2024 14:08:50

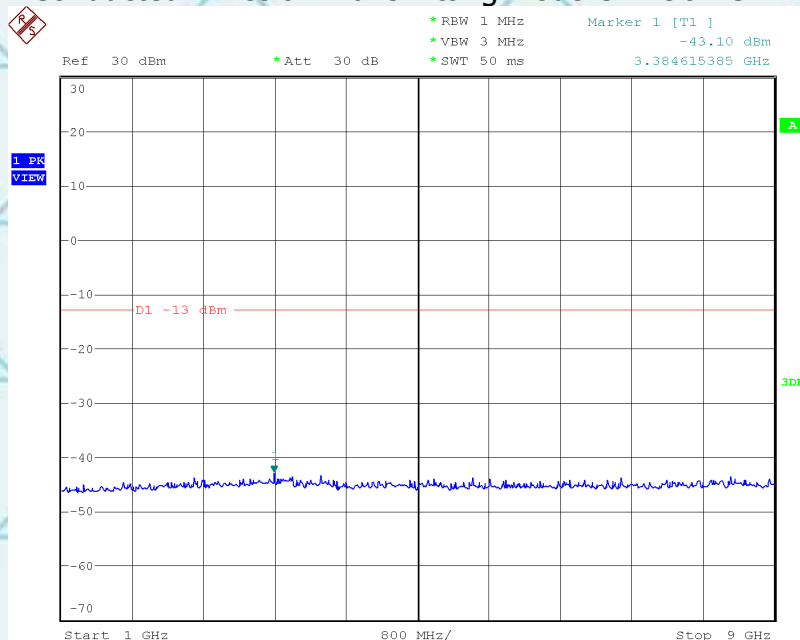


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

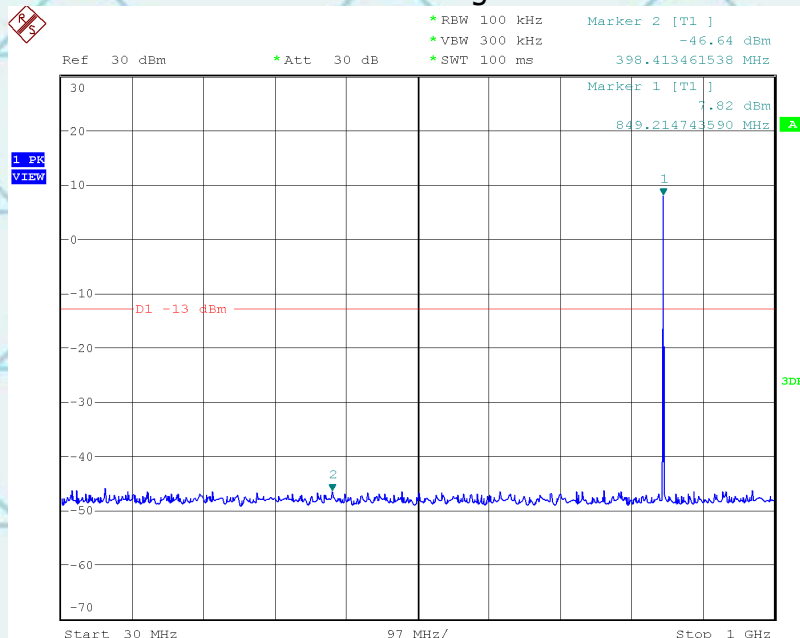
For Question,
Please Contact with WSCT
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Conducted Emission Transmitting Mode CH 190 1GHz – 9GHz



Date: 17.APR.2024 14:17:45

Conducted Emission Transmitting Mode CH 251 30MHz – 1GHz



Date: 17.APR.2024 14:13:20



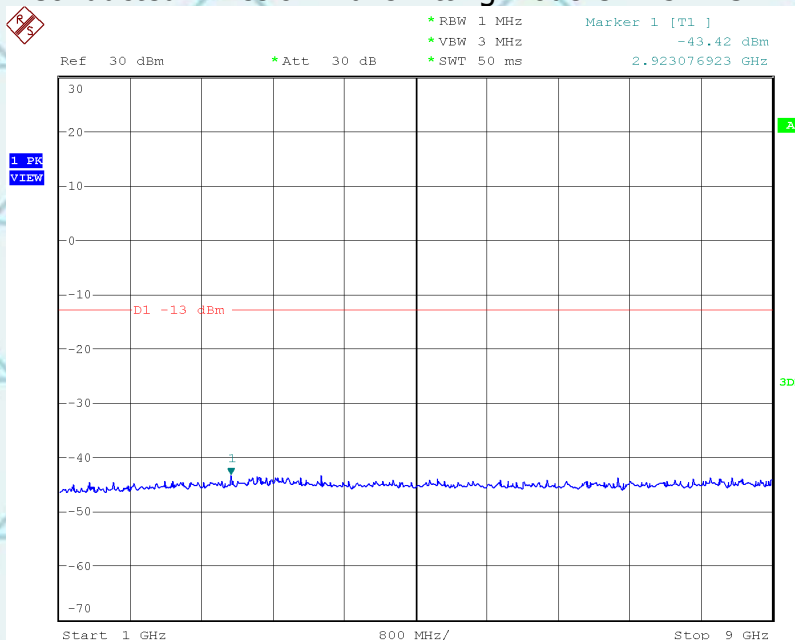


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

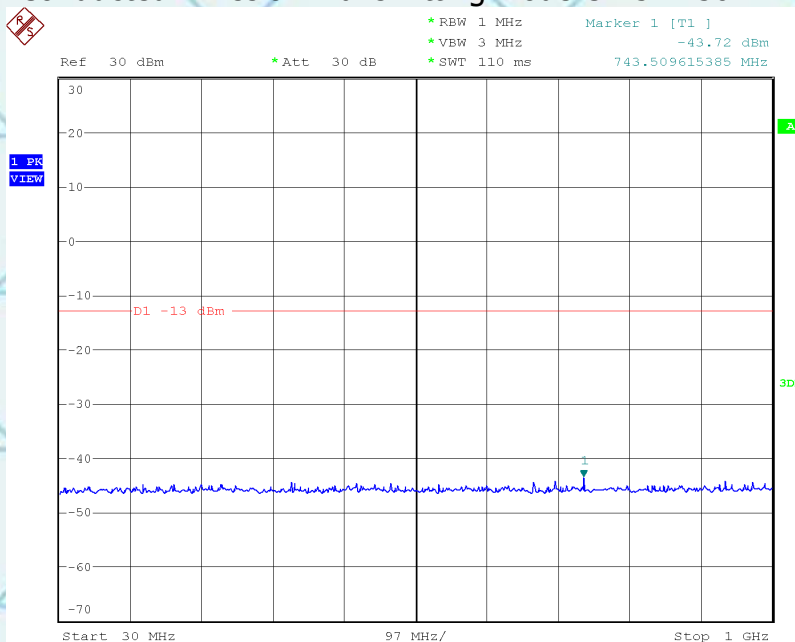
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Conducted Emission Transmitting Mode CH 251 1GHz – 9GHz



Date: 17.APR.2024 14:16:06

CONDUCTED EMISSION IN PCS1900 BAND Conducted Emission Transmitting Mode CH 512 30MHz – 1GHz



Date: 17.APR.2024 14:48:59

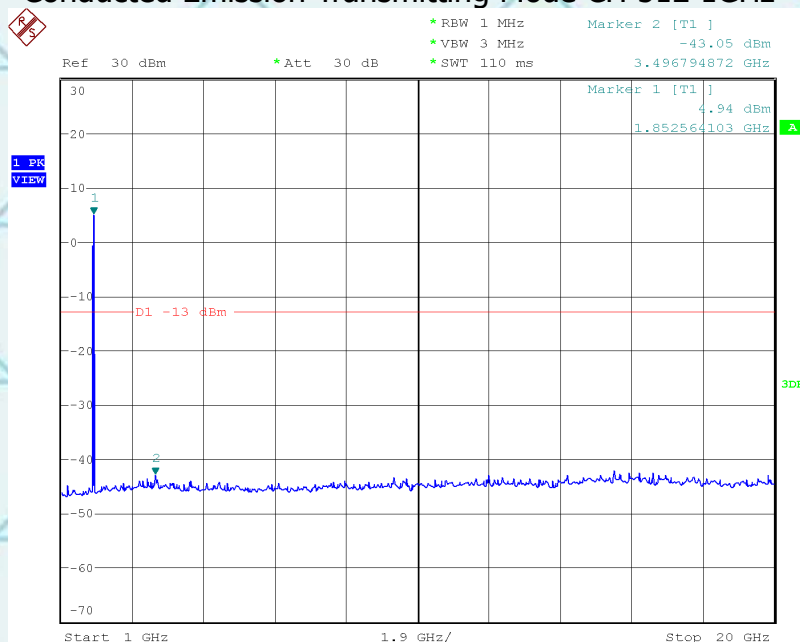


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

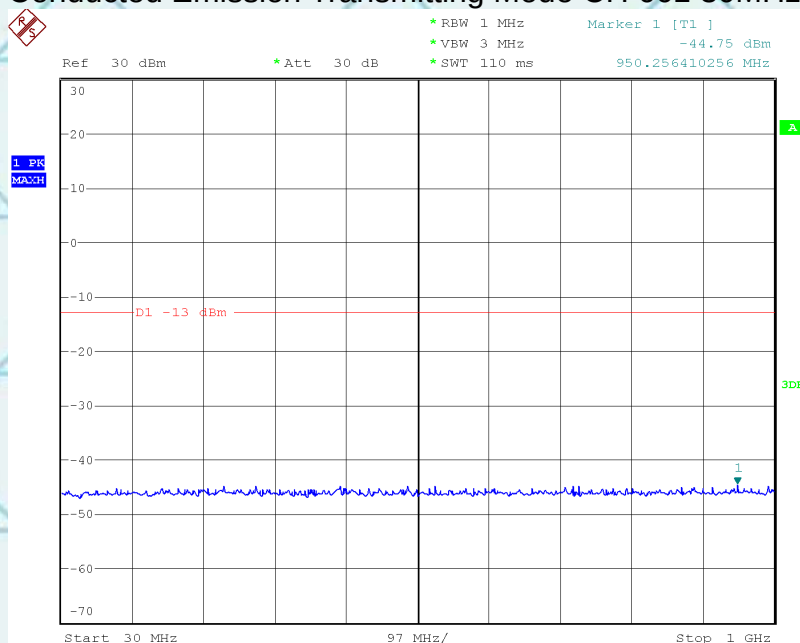
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Conducted Emission Transmitting Mode CH 512 1GHz – 20GHz



Date: 17.APR.2024 14:56:11

Conducted Emission Transmitting Mode CH 661 30MHz – 1GHz



Date: 17.APR.2024 14:50:19

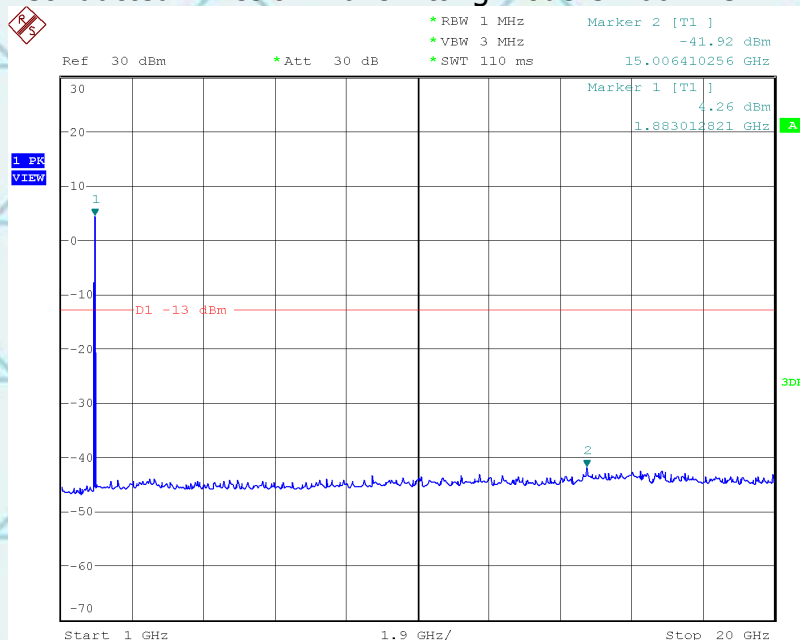


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

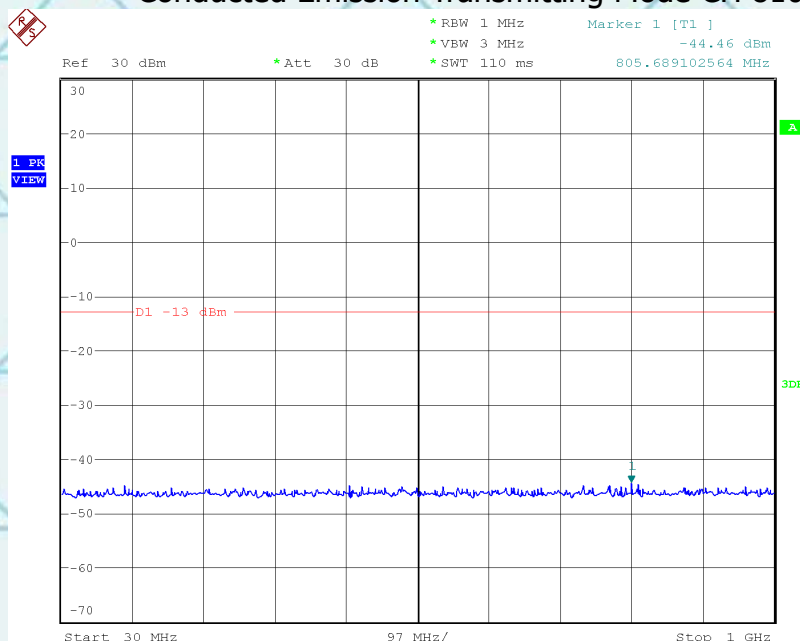
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Conducted Emission Transmitting Mode CH 661 1GHz – 20GHz



Date: 17.APR.2024 14:55:03

Conducted Emission Transmitting Mode CH 810 30MHz – 1GHz



Date: 17.APR.2024 14:51:24

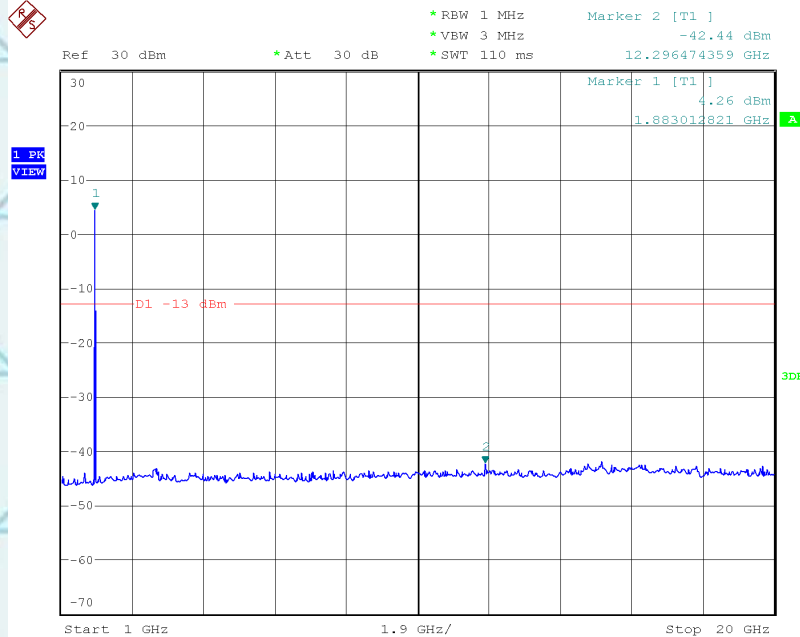


Report No.: WSCT-A2LA-R&E240300016A-RF

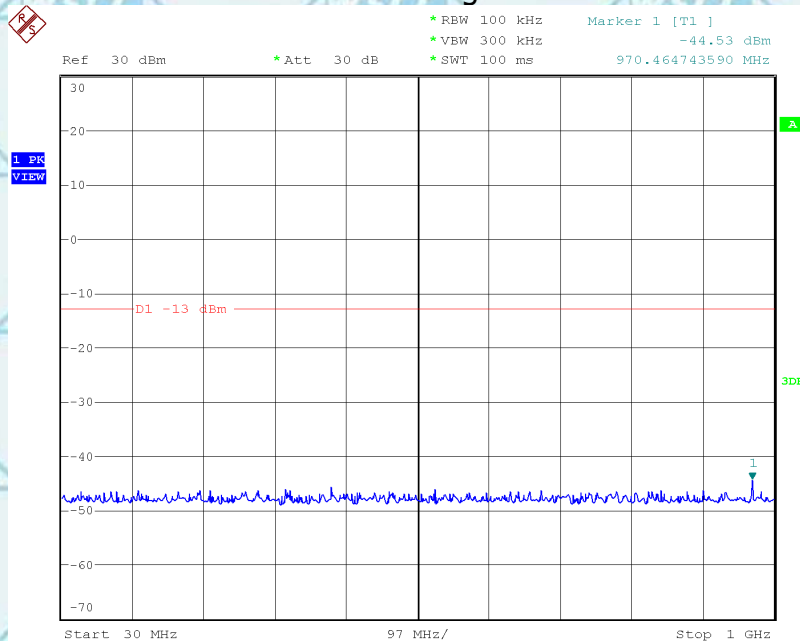
Certificate #5768.01

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Conducted Emission Transmitting Mode CH 810 1GHz – 20GHz



Date: 17.APR.2024 14:53:49

CONDUCTED EMISSION IN WCDMA Band 2
Conducted Emission Transmitting Mode CH 9262 30MHz – 1GHz

Date: 17.APR.2024 15:09:42

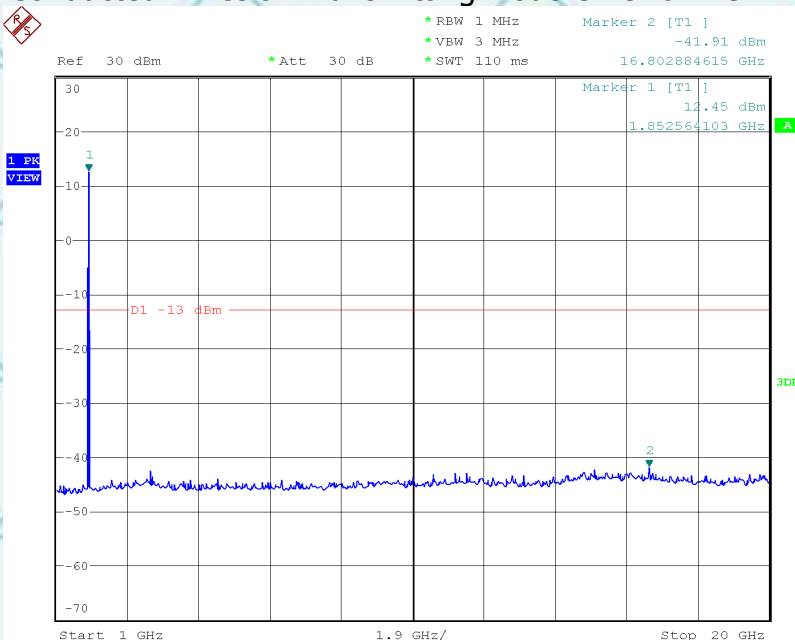


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

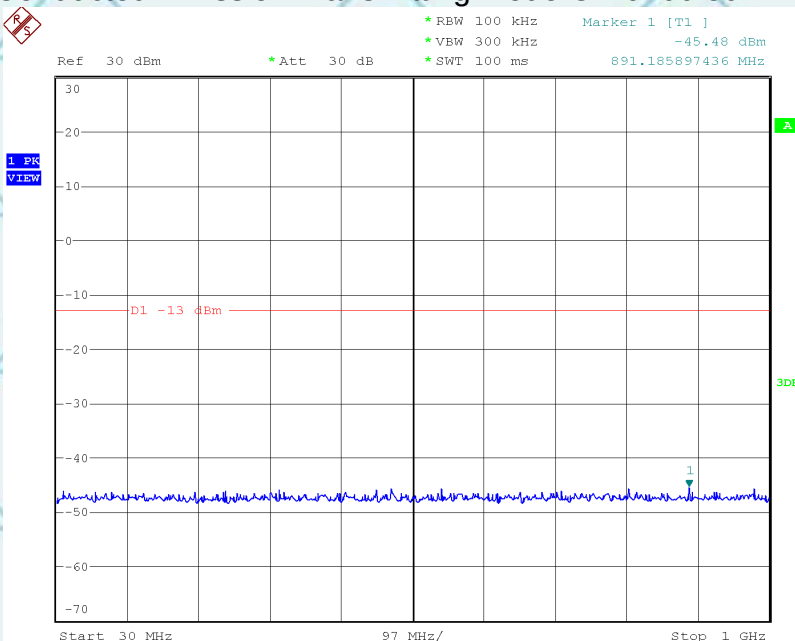
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Conducted Emission Transmitting Mode CH 9262 1GHz – 20GHz



Date: 17.APR.2024 15:16:24

Conducted Emission Transmitting Mode CH 9400 30MHz – 1GHz



Date: 17.APR.2024 15:11:07



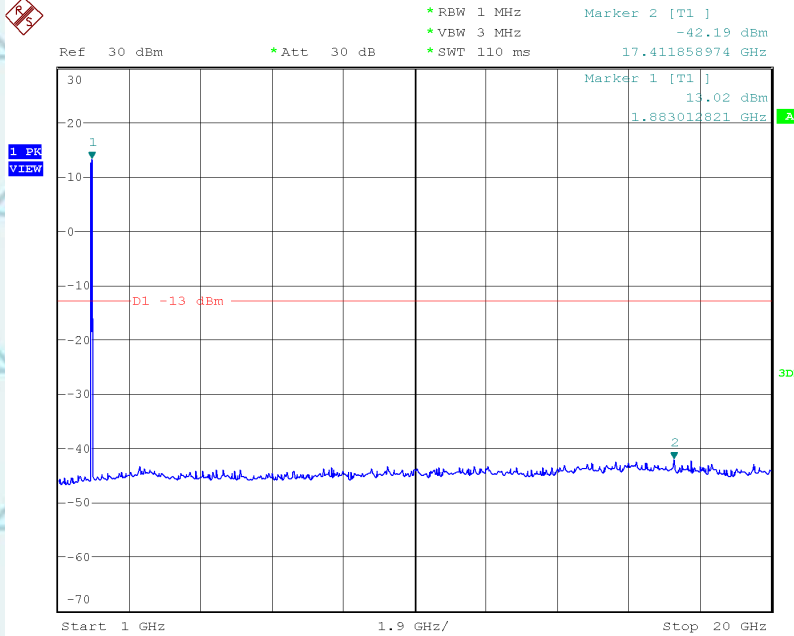


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

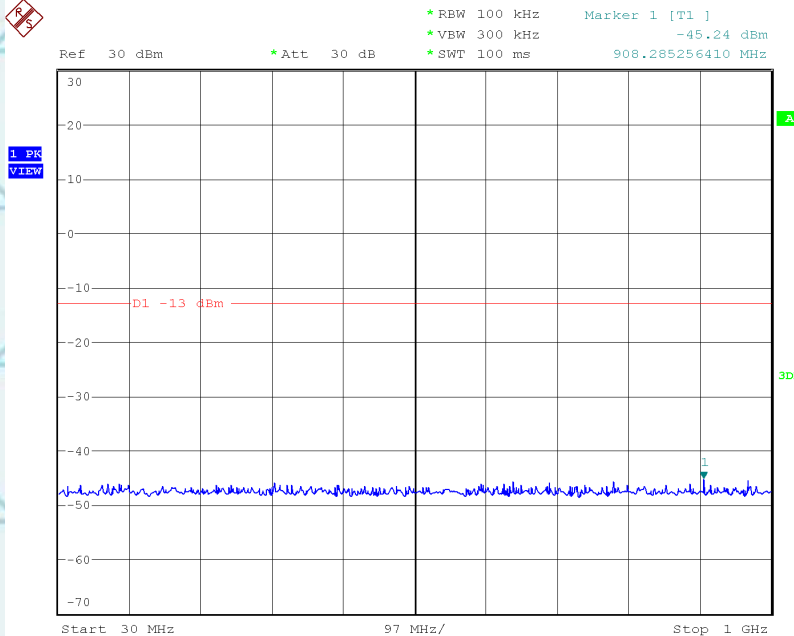
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Conducted Emission Transmitting Mode CH 9400 1GHz – 20GHz



Date: 17.APR.2024 15:15:19

Conducted Emission Transmitting Mode CH 9538 30MHz – 1GHz



Date: 17.APR.2024 15:12:22

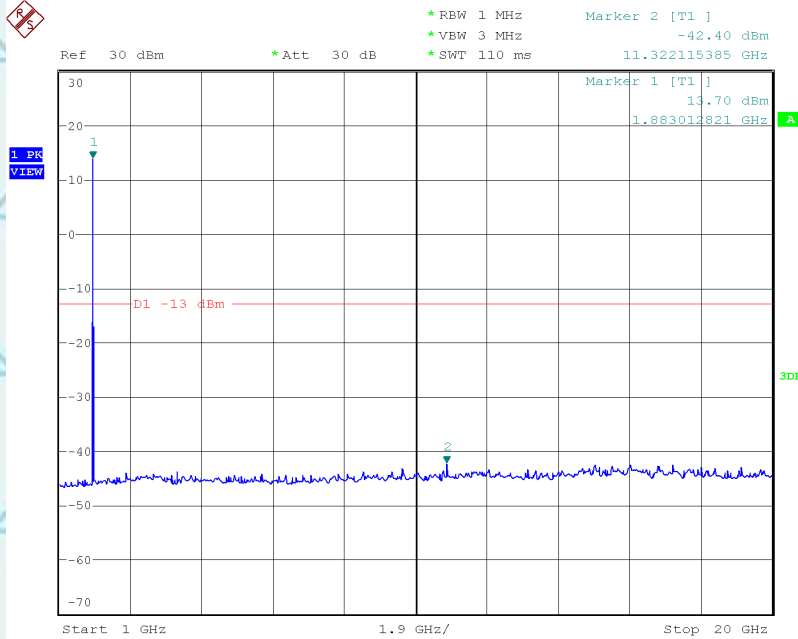
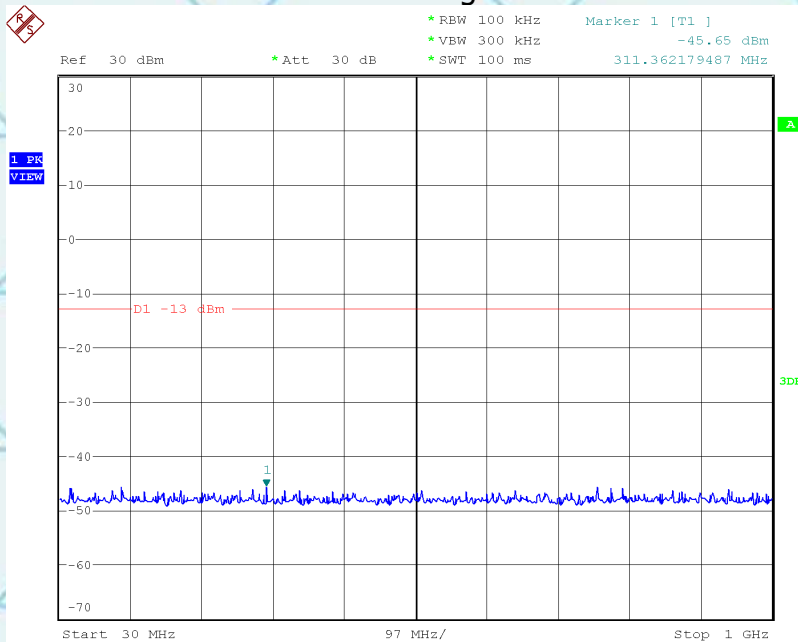


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

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Conducted Emission Transmitting Mode CH 9538 1GHz – 20GHz

CONDUCTED EMISSION IN WCDMA Band 4
Conducted Emission Transmitting Mode CH 1312 30MHz – 1GHz

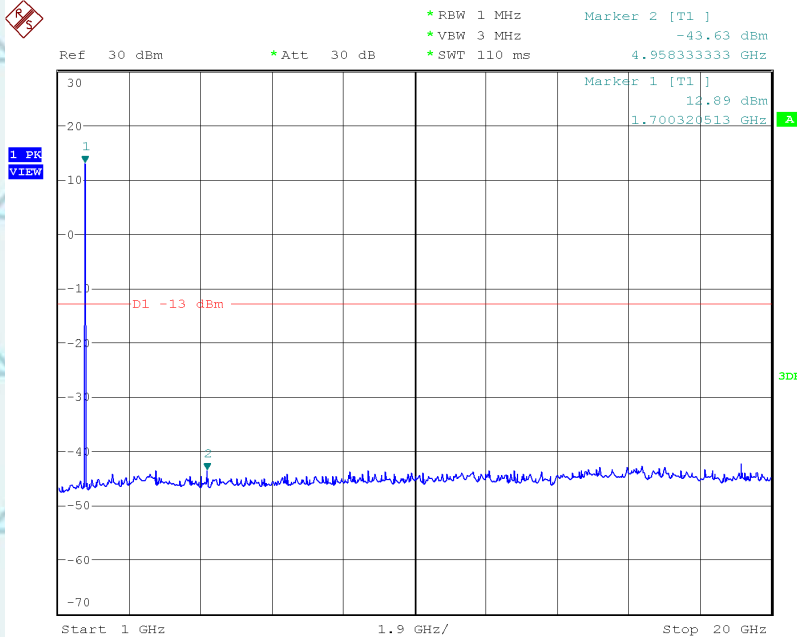


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

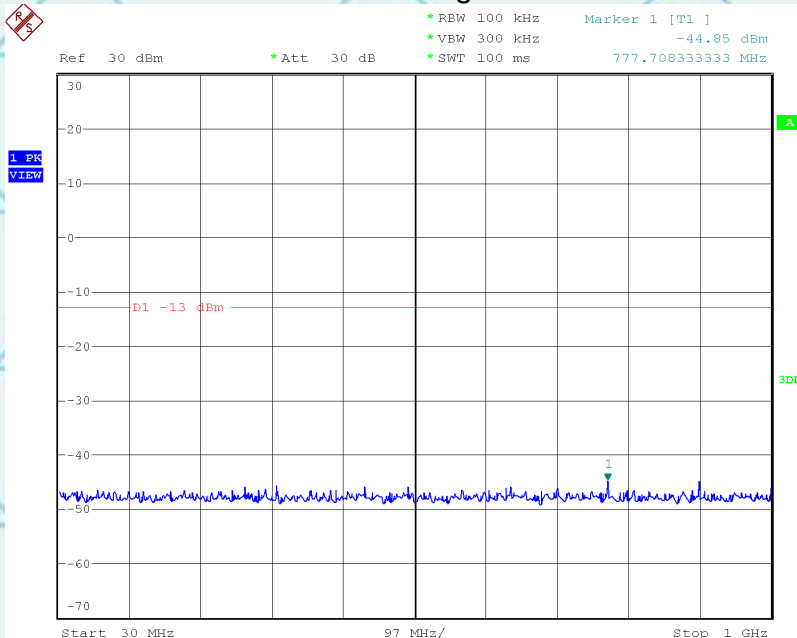
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Conducted Emission Transmitting Mode CH 1312 1GHz – 20GHz



Date: 17.APR.2024 15:37:25

Conducted Emission Transmitting Mode CH 1413 30MHz – 1GHz



Date: 17.APR.2024 15:29:13

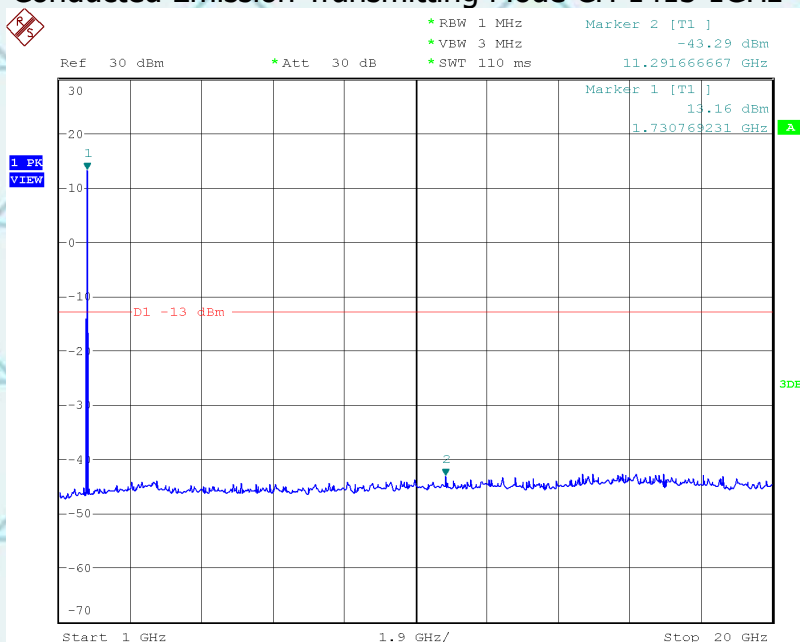


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

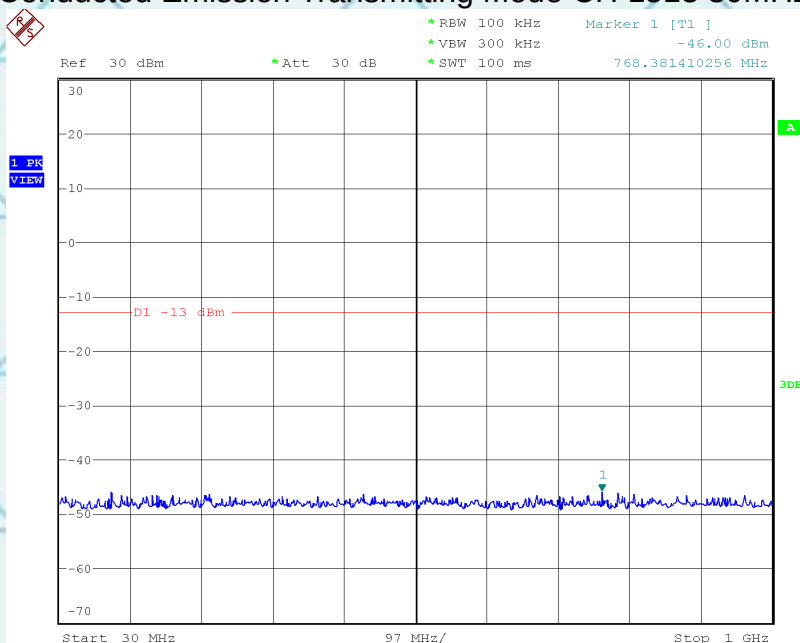
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Conducted Emission Transmitting Mode CH 1413 1GHz – 20GHz



Date: 17.APR.2024 15:36:33

Conducted Emission Transmitting Mode CH 1513 30MHz – 1GHz



Date: 17.APR.2024 15:29:58



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World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

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TEL: 86-755-26996192 26992306 FAX: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

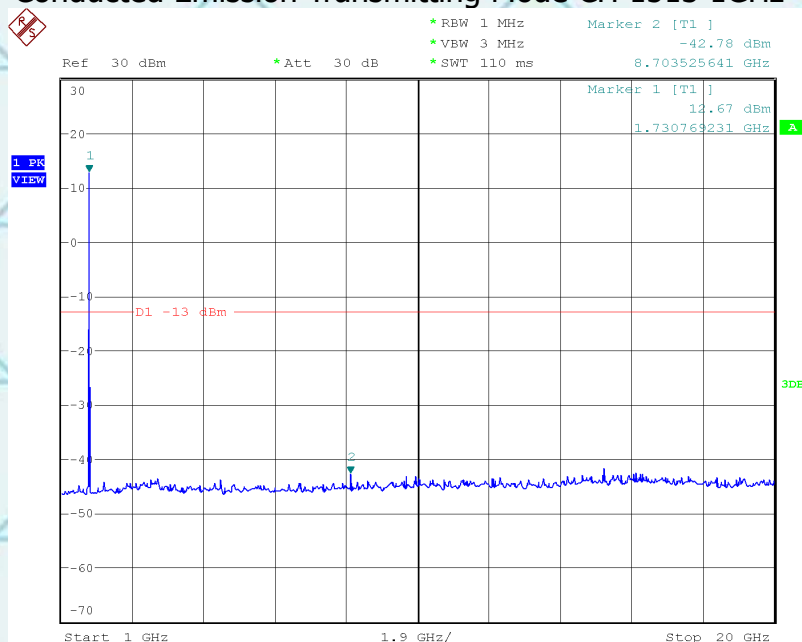
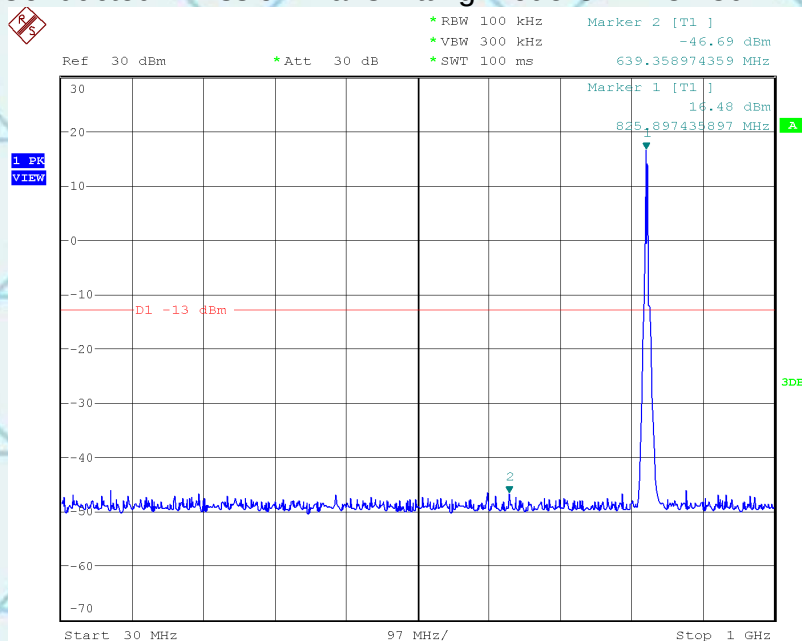


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Conducted Emission Transmitting Mode CH 1513 1GHz – 20GHz

CONDUCTED EMISSION IN WCDMA Band 5
Conducted Emission Transmitting Mode CH 4132 30MHz – 1GHz

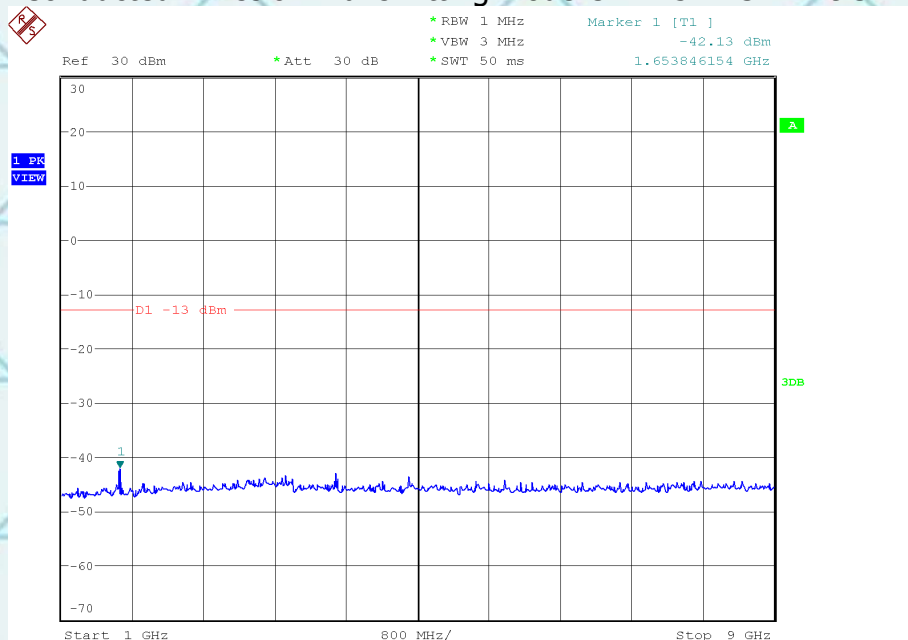


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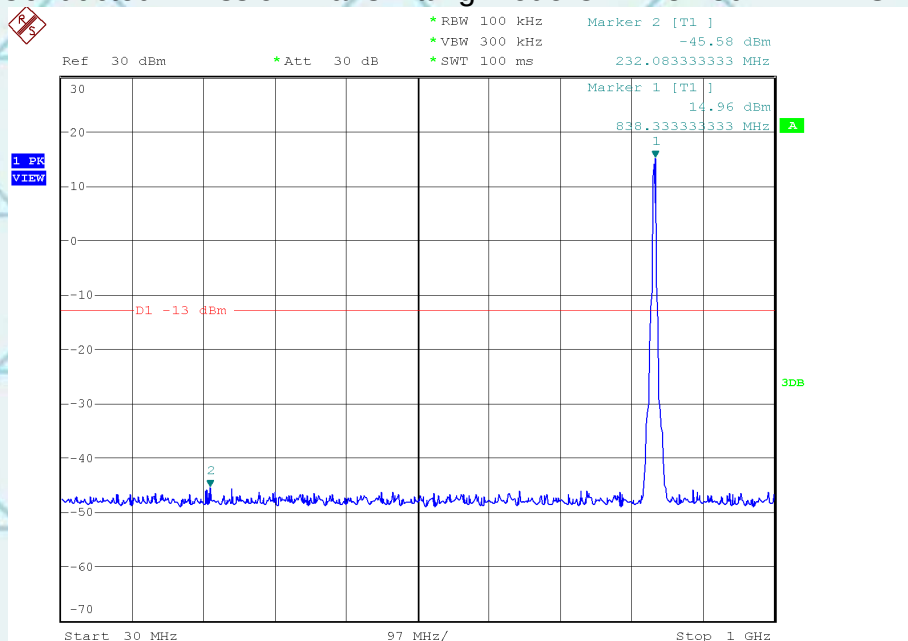
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Conducted Emission Transmitting Mode CH 4132 1GHz – 9GHz



Date: 17.APR.2024 15:40:54

Conducted Emission Transmitting Mode CH 4182 30MHz – 1GHz



Date: 17.APR.2024 15:44:52

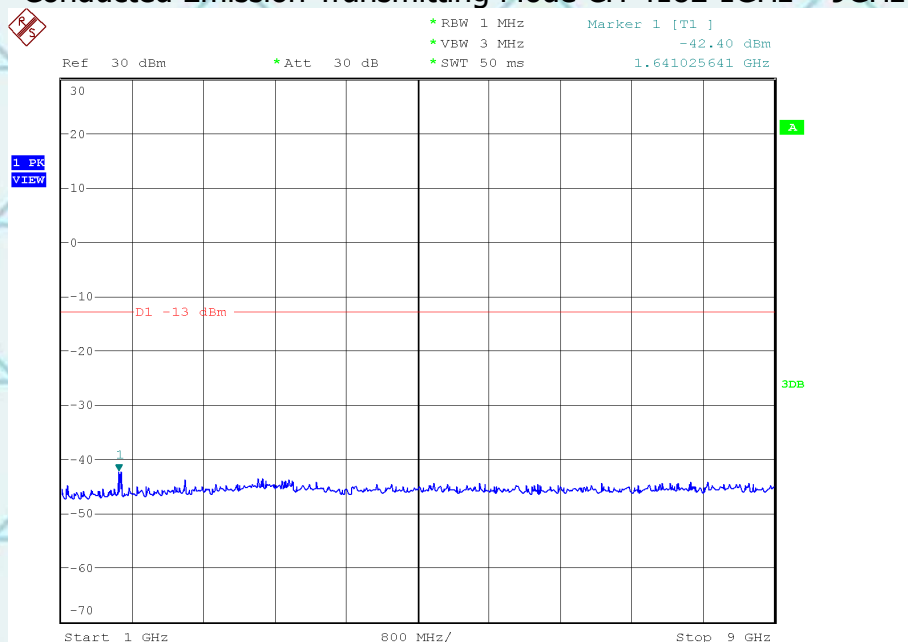


Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

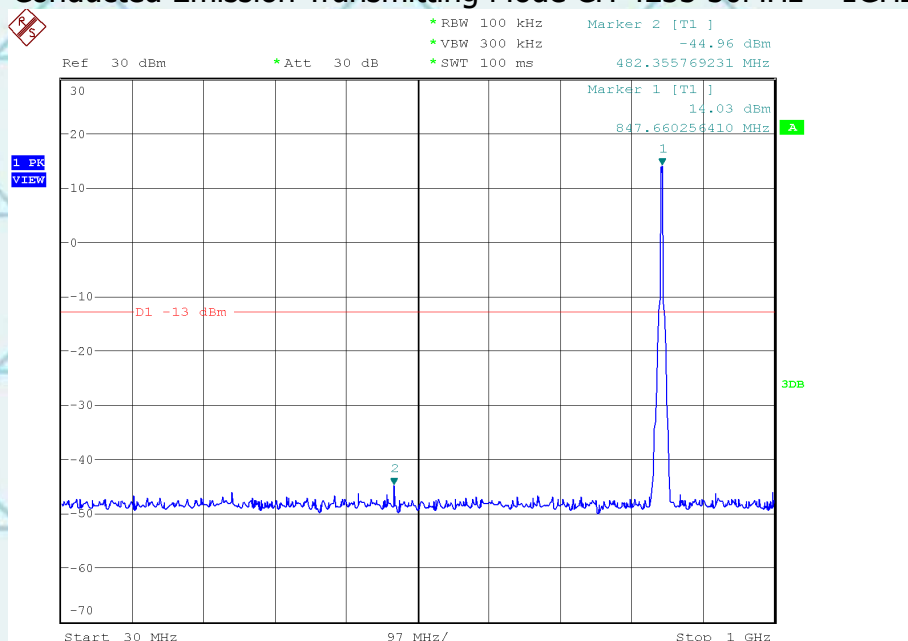
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Conducted Emission Transmitting Mode CH 4182 1GHz – 9GHz



Date: 17.APR.2024 15:41:45

Conducted Emission Transmitting Mode CH 4233 30MHz – 1GHz



Date: 17.APR.2024 15:44:04



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TEL: 86-755-26996192 26992306 FAX: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

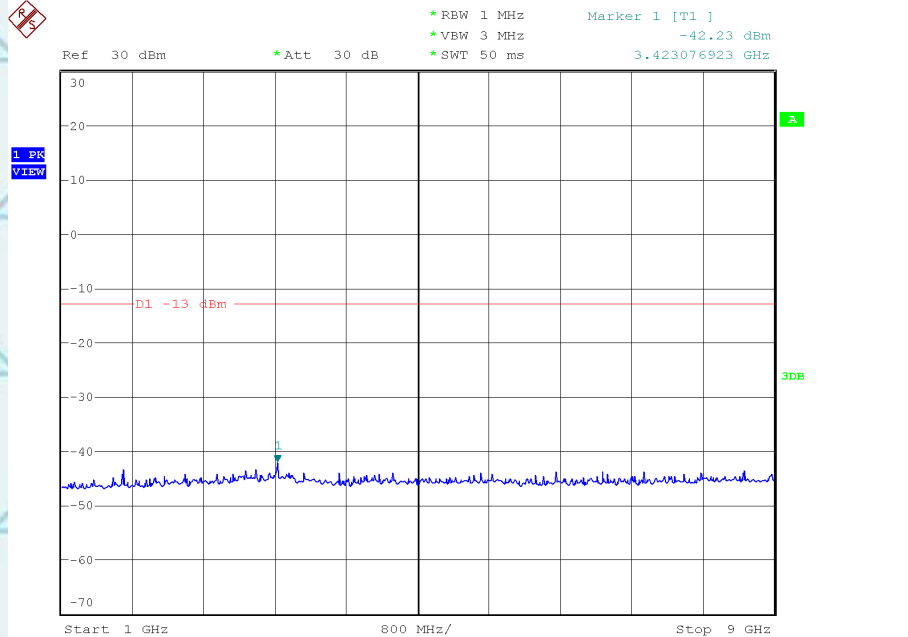


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Conducted Emission Transmitting Mode CH 4233 1GHz – 9GHz



Date: 17.APR.2024 15:42:43

Note: Please refer to Annex (LTE Chapter 5 Out-of-band emissions) for more test data.



Report No.: WSCT-A2LA-R&E240300016A-RF

12. FREQUENCY STABILITY

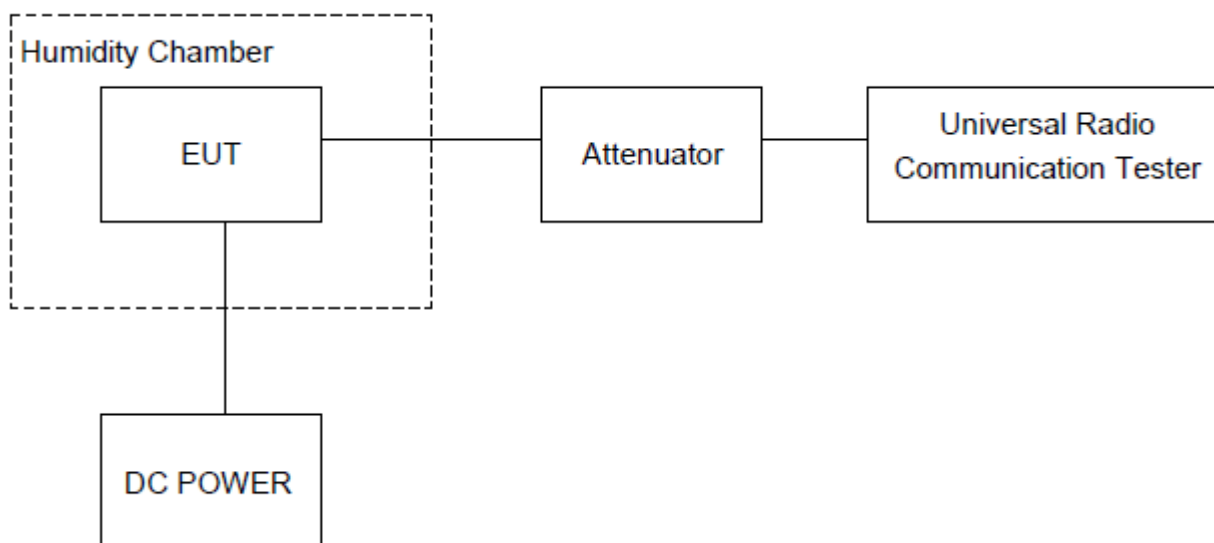
Test limit:

The frequency stability of the transmitter shall be measured while varying the ambient temperatures and supply voltages over the ranges specified in §2.1055. The specific frequency stability limits are provided in the relevant rules section(s). see section 4.

Test procedure:

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

Test setup:



**12.1. Measurement Result (Worst)****Frequency Error against Voltage for GSM 850 band (836.6MHz)**

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	29	0.035
3.85	34	0.041
4.4	37	0.044

Frequency Error against Temperature for GSM 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	30	0.036
0	35	0.042
10	40	0.048
20	39	0.046
30	41	0.049
40	30	0.036
55	37	0.044

Frequency Error against Voltage for PCS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	28	0.015
3.85	36	0.019
4.4	33	0.018

Frequency Error against Temperature for PCS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	31	0.016
0	30	0.016
10	28	0.015
20	32	0.017
30	28	0.015
40	39	0.021
55	36	0.019

**Frequency Error against Voltage for GPRS 850 band (836.6MHz)**

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	32	0.038
3.85	40	0.047
4.4	39	0.047

Frequency Error against Temperature for GPRS 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	31	0.038
0	40	0.048
10	38	0.046
20	35	0.042
30	41	0.048
40	37	0.045
55	34	0.041

Frequency Error against Voltage for GPRS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	30	0.016
3.85	33	0.017
4.4	32	0.017

Frequency Error against Temperature for GPRS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	32	0.017
0	30	0.016
10	38	0.020
20	37	0.020
30	31	0.017
40	31	0.017
55	38	0.020



Report No.: WSCT-A2LA-R&E240300016A-RF

Certificate #5768.01

For Question,
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Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	31	0.037
3.85	29	0.034
4.4	29	0.034

Frequency Error against Temperature for EGPRS 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	31	0.037
0	31	0.037
10	32	0.038
20	32	0.038
30	30	0.035
40	36	0.043
55	32	0.039

Frequency Error against Voltage for EGPRS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	37	0.020
3.85	37	0.020
4.4	31	0.016

Frequency Error against Temperature for EGPRS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	32	0.017
0	38	0.020
10	31	0.017
20	31	0.017
30	30	0.016
40	34	0.018
55	41	0.022





UTRA BANDS

Frequency Error against Voltage for WCDMA Band 2 (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	30	0.016
3.85	34	0.018
4.4	36	0.019

Frequency Error against Temperature for WCDMA Band 2 (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	33	0.018
0	30	0.016
10	34	0.018
20	34	0.018
30	39	0.021
40	31	0.016
55	37	0.020

Frequency Error against Voltage for WCDMA Band 4 (1732.6MHz)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	34	0.020
3.85	31	0.018
4.4	36	0.021

Frequency Error against Temperature for WCDMA Band 4 (1732.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	34	0.020
0	38	0.022
10	30	0.017
20	38	0.022
30	31	0.018
40	34	0.020
55	28	0.016

**Frequency Error against Voltage for WCDMA Band 5 (836.4MHz)**

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	28	0.034
3.85	34	0.041
4.4	38	0.045

Frequency Error against Temperature for WCDMA Band 5 (836.4MHz)

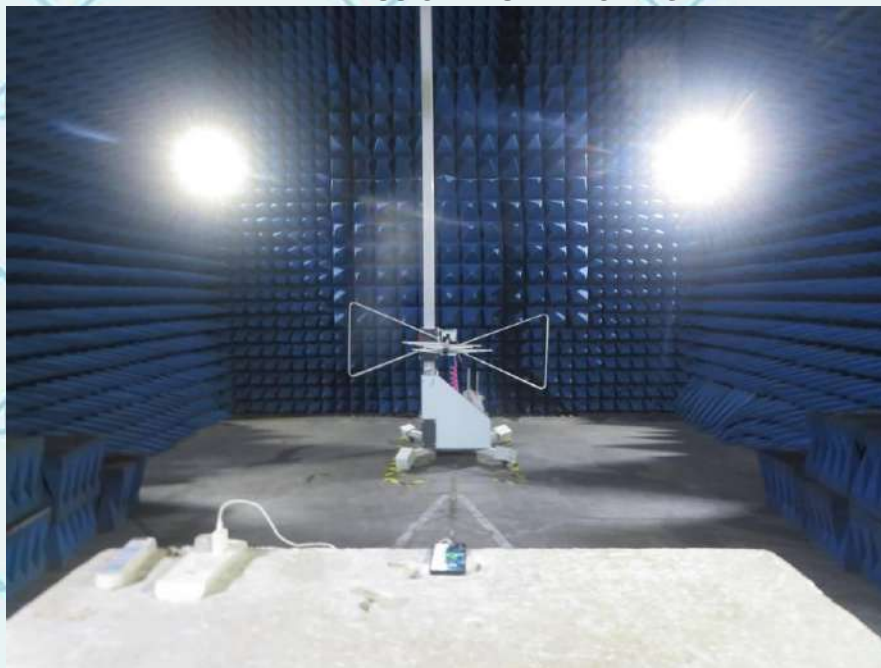
Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	36	0.043
0	37	0.044
10	31	0.038
20	31	0.037
30	33	0.039
40	30	0.036
55	35	0.041

Note: Please refer to Annex (LTE Chapter 1 Frequency stability) for more test data.



13. Test Setup Photographs

RADIATED EMISSION TEST BELOW 1GHz



RADIATED EMISSION TEST ABOVE 1GHz





RF test photo



---END OF REPORT---