

## ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



Applicant:	HP Inc.
Manufacturer:	1501 Page Mill Road, Palo Alto, CA 94304, USA HP Inc. 1501 Page Mill Road, Palo Alto, CA 94304, USA
Product Name:	Notebook PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Report Number:	TERF2206000812E2
FCC ID	B94R2022GPKV
Issue Date:	Sep. 05, 2022
Date of Test:	Jun. 22, 2022~Sep. 02, 2022
Date of EUT Received:	Jun. 07, 2022

Vit. Pei

Approved By

Vito Pei

#### We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C & 90S.

The results of this report relate only to the sample identified in this report.

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Revision History					
Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2206000812E2	00	Original.	Aug. 10, 2022	Yami Kuo	
TERF2206000812E2	01	Add RF EIRP Power	Sep. 05, 2022	Yami Kuo	*

Note:

1 • The remark "\*" indicates modification of the report upon requests from certification body.

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## **1 GENERAL PRODUCT INFORMATION**

### 1.1 **Product Description**

Product Name:	Notebook PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	5CD21235KV
Power Supply:	7.68 Vdc from Rechargeable Li-Polymer Battery or 5 / 9 / 12 / 15 Vdc from AC/DC Adapter
Test Software (Name/Version)	Default (link 8820C)

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#### **Operation Frequency Range** 1.2

LTE Band 2				
BW (MHz)	Operation Frequency (MHz)			
1.4	1850.7	-	1909.3	
3	1851.5	-	1908.5	
5	1852.5	-	1907.5	
10	1855.0	-	1905.0	
15	1857.5	-	1902.5	
20	1860.0	-	1900.0	

LTE Band 4				
BW (MHz)	Operation Frequency (MHz)			
1.4	1710.7	-	1754.3	
3	1711.5	-	1753.5	
5	1712.5	-	1752.5	
10	1715.0	-	1750.0	
15	1717.5	-	1747.5	
20	1720.0	-	1745.0	

LTE Band 5				
BW (MHz)	Operation I	Freque	ency (MHz)	
1.4	824.7	-	848.3	
3	825.5	-	847.5	
5	826.5	-	846.5	
10	829.0	-	844.0	

LTE Band 7				
BW (MHz)	Operation Frequency (MHz)			
5	2502.5	-	2567.5	
10	2505.0	-	2565.0	
15	2507.5	-	2562.5	
20	2510.0	-	2560.0	

LTE Band 12			
BW (MHz)	Operation Frequency (MHz)		
1.4	699.7	-	715.3
3	700.5	-	714.5
5	701.5	-	713.5
10	704.0	-	711.0

LTE Band 13			
BW (MHz) Operation Frequency (MHz)			
5	779.5	-	784.5
10	782.0		

LTE Band 14			
BW (MHz) Operation Frequency (MHz)			
5	790.5	-	795.5
10 793.0			

LTE Band 17			
BW (MHz) Operation Frequency (MHz)			
5	706.5	-	713.5
10	709.0	-	711.0

LTE Band 25								
BW (MHz)	Operation F	requ	ency (MHz)					
1.4	1850.7	-	1914.3					
3	1851.5	-	1913.5					
5	1852.5	-	1912.5					
10	1855.0	-	1910.0					
15	1857.5	-	1907.5					
20	1860.0	-	1905.0					

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LTE Band 26								
BW (MHz)	Operation Frequency (MHz)							
1.4	824.7	-	848.3					
3	825.5	-	847.5					
5	826.5	-	846.5					
10	829.0	-	844.0					
15	831.5	-	841.5					

LTE Band 30							
BW (MHz)	Operation Frequency (MHz)						
5	2307.5 - 2312.5						
10	2310.0						

LTE Band 38									
BW (MHz)	Operation F	Frequ	ency (MHz)						
5	2572.5	-	2617.5						
10	2575.0	-	2615.0						
15	2577.5	-	2612.5						
20	2580.0	-	2610.0						

LTE Band 41								
BW (MHz)	Operation F	Frequ	ency (MHz)					
5	2498.5	-	2687.5					
10	2501.0	-	2685.0					
15	2503.5	-	2682.5					
20	2506.0	-	2680.0					

LTE Band 66								
BW (MHz)	Operation Frequency (MHz)							
1.4	1710.7	-	1779.3					
3	1711.5	-	1778.5					
5	1712.5	-	1777.5					
10	1715.0	-	1775.0					
15	1717.5	-	1772.5					
20	1720.0	-	1770.0					

LTE Band 71								
BW (MHz)	Operation Frequency (MHz)							
5	665.5	-	695.5					
10	688.0	-	693.0					
15	670.5	-	690.5					
20	673.0	-	688.0					

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#### 1.3 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant5
Note: Transmission	frequencies in this test report are only available by the above antenna(s).

Modulation	Freque (MH	•	Peak Antenna Gain (dBi)				
	,	,		Ant5			
LTE-Band 2	1850	~	1910	0.21			
LTE-Band 4	1710	~	1755	0.05			
LTE-Band 5	824	~	849	-0.64			
LTE-Band 7	2500	~	2570	-2.98			
LTE-Band 12	699	~	716	0.44			
LTE-Band 13	777	~	787	-0.46			
LTE-Band 14	788	~	798	-0.61			
LTE-Band 17	704	~	716	0.49			
LTE-Band 25	1850	۲	1915	0.54			
LTE-Band 26	824	~	849	-0.70			
LTE-Band 30	2305	~	2315	-1.37			
LTE-Band 38	2570	~	2620	-2.33			
LTE-Band 41	2496	~	2690	-2.86			
LTE-Band 66	1710	~	1780	-0.63			
LTE-Band 71	663	~	698	-0.55			

Note: Antenna information is provided by the applicant.

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### 1.4 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90. ANSI C63.26-2015 KDB971168 D01 Power Meas license Digital System v03r01 KDB412172 D01 Determining ERP and EIRP v01r01

### 1.5 Test Facility

SAC 1 SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6 Conduction C	TW0027	
Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6 Conduction C	TW0027	
Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6 Conduction C	TW0027	
Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6 Conduction C	TW0027	
Conducted 3 Conducted 4 Conducted 5 Conducted 6 Conduction C	TW0027	
Conducted 4 Conducted 5 Conducted 6 Conduction C		
Conducted 5 Conducted 6 Conduction C		
Conducted 6 Conduction C		
Conduction C		
		TW3702
0100		
SAC C		
SAC D		
SAC G		
Conducted A	TW0028	
Conducted B		
Conducted C		
Conducted D		
Conducted E	1	
Conducted F	1	
	1	
	Conducted C Conducted D Conducted E Conducted F	Conducted C Conducted D Conducted E

tion where measurements occurred in specific test site and address.

### 1.6 Special Accessories

No special accessories were used during testing.

### 1.7 Equipment Modifications

There was no modifications incorporated into the EUT.

### 1.8 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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#### SYSTEM TEST CONFIGURATION 2

#### 2.1 **EUT Configuration**

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

#### 2.2 **EUT Exercise**

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

#### **Test Procedure** 2.3

#### 2.3.1 **Radiated Emissions (ERP/EIRP)**

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

#### 2.4 **Measurement Results Explanation Example**

### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level. Note:

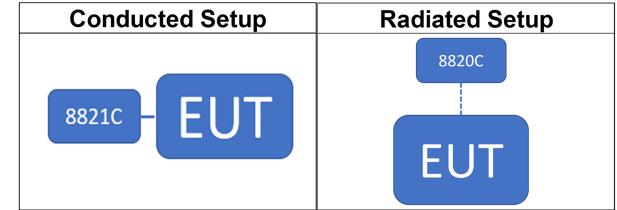
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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2.5 Test Configuration



Note: Radio Communication Analyzer is placed in remote side for radiated test.

2.6 Control Unit(s)

N/A

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#### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5)		
§24.232(c)		
§27.50(a)(3)(i)		
§27.50(c)(10)		
§27.50(b)(10)	ERP/ EIRP measurement	Compliant
§27.50(d)(4)		
§27, 50(h)(2)		
§90.542(a) (7)		
§90.635		
§2.1053		
§22.917(a)		
§24.238(a)		
§27.53(a)		
§27.53(c)(2)	Field Strength	
§27.53(f)	of	Compliant
§27.53(g)	Spurious Radiation	
§27.53(h)		
§27.53(m)(4)		
§90.543(e)(3)		
§90.543(f)		

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#### **DESCRIPTION OF TEST MODES** 4

#### 4.1 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
- 3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

#### 4.2 **Measurement Configuration**

	Test Iter	ns		Max. Output Power												
Dand	Te	st Chan	nel	Bandwidth (MHz)			Modulation				RB #					
Band	L	М	Н	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	v	V	v	v	v	v	v	v	v	v	v	v	v	v	v	V
4	V	V	V	V	v	v	v	٧	V	v	v	V	V	V	V	V
5	V	V	v	V	v	v	V	-	-	V	v	V	V	v	V	V
7	V	V	٧	-	-	v	V	v	V	V	v	V	V	V	V	V
12	V	V	v	V	V	v	V	-	-	v	v	V	V	v	V	V
13	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
14	V	V	v	-	-	v	v	-	-	v	v	V	V	v	V	V
17	V	V	v	-	-	v	v	-	-	v	v	V	V	v	V	V
25	v	v	v	V	v	v	v	v	v	v	v	V	v	v	v	V
26	v	V	v	V	v	v	v	v	-	v	v	V	v	v	v	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
30	V	V	V	-	-	v	v	-	-	v	V	V	V	V	V	V
38	V	V	v	-	-	v	v	V	V	v	v	V	V	v	V	V
41	V	V	v	-	-	v	V	v	V	v	v	V	v	v	V	V
66	V	V	٧	V	v	v	V	v	V	V	v	V	V	V	V	V
71	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V

#### LTE Band 2

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 4

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 5

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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### LTE Band 7

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 12

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 13

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 14

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 17

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 25

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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### LTE Band 26

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	15 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 30

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 38

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 41

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 66

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

#### LTE Band 71

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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### **5 MEASUREMENT UNCERTAINTY**

Test Items	Uncertainty		
RF Power Output	+/-	1	dB
ERP/ EIRP measurement	+/-	3	dB
ERP/ EIRP measurement	+/-	3	dB
Emission Bandwidth	+/-	1.53	Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/-	1.68	dB
Peak to Average Ratio	+/-	1	dB
Frequency Stability vs. Temperature	+/-	1.53	Hz
Frequency Stability vs. Voltage	+/-	1.53	Hz
Temperature	+/-	0.4	°C
Humidity	+/-	3.5	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty								
	+/-	2.57	dB	9kHz~30MHz				
Polarization: Vertical	+/-	4.85	dB	30MHz - 1000MHz				
	+/-	4.45	dB	1GHz - 18GHz				
	+/-	4.24	dB	18GHz - 40GHz				
	+/-	2.57	dB	9kHz~30MHz				
Polarization: Horizontal	+/-	4.37	dB	30MHz - 1000MHz				
	+/-	4.45	dB	1GHz - 18GHz				
	+/-	4.24	dB	18GHz - 40GHz				

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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#### MEASUREMENT EQUIPMENT USED 6

#### 6.1 **Conducted Measurement**

Conducted Emission Test Site: Conducted E										
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.					
Radio Communication Analyer	Anritsu	MT8821C	6262044732	12/29/2021	12/28/2022					

#### 6.2 **Radiated Measurement**

	Radiated Emission Test Site: SAC D									
EQUIPMENT TYPE	EQUIPMENT TYPE MFR		SERIAL NUMBER	LAST CAL.	CAL DUE.					
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	10/19/2021	10/18/2022					
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	11/12/2021	11/11/2022					
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022					
Horn Antenna	Schwarzbeck	BBHA9170	185	08/06/2021	08/05/2022					
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/06/2022	01/05/2023					
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/31/2022	05/30/2023					
3m Site NSA	SGS	966 chamber D	N/A	07/12/2021	07/11/2022					
3m Site NSA	SGS	966 chamber D	N/A	07/12/2022	07/11/2023					
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/24/2022	03/23/2023					
Radio Communication Analyer	Anritsu	MT8820C	6201465316	06/20/2022	06/19/2023					
Test Software	audix	e3	E3 20923 SGS Ver.9 ( C )	N.C.R	N.C.R					
Pre-Amplifier	EMC Instruments	EM26400	971576	10/02/2021	10/01/2022					
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/18/2021	11/17/2022					
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/18/2021	11/17/2022					
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/18/2021	11/17/2022					
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	11/18/2021	11/17/2022					
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/18/2021	11/17/2022					

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### 7 MAXIMUM OUTPUT POWER

### 7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

### 7.1.1 ERP/EIRP LIMIT

According to FCC §2.1046

#### FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

#### FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

#### FCC 27.50 (a)

(3) for mobile and portable stations compliant with 3GPP LTE standards transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band are limited to 250 mW/ 5MHz EIRP but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

#### FCC 27.50 (b)

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

#### FCC 27.50(c)

(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

### FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

### FCC 27, 50(h)

(2) Mobile and other user stations transmitting in the BRS and EBS bands are limited to 2 W EIRP.

#### FCC 90.542(a)

(7) Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

#### FCC 90.635(b)

Mobile station is limited to 100W ERP

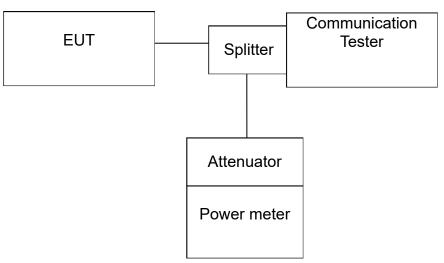
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### 7.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

### 7.3 Output Power Measurement Applicable Guideance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

### 7.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

$$EIRP = P_{T} + G_{T} - L_{c},$$

ERP= EIRP-2.15,

#### Where:

ERP or EIRP	<ul> <li>effective radiated power or equivalent isotropically radiated power (expressed in the same units as PT, typically dBW, dBm, or power spectral density (PSD)2), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);</li> </ul>
Ρτ	= transmitter output power, expressed in dBW, dBm, or PSD;
Gτ	= gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
Lc	<ul> <li>signal attenuation in the connecting cable between the transmitter and antenna, in dB.</li> </ul>

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#### 7.5 **Measurement Results:**

-

Antenna	gain (dBi)	0.21							
		•	LTE Band 2_Up	link freq	uency ba	nd : 1850 to 191	) MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.33	20.54	33	-12.46
	18607	1850.7	OPSK	1	5	20.19	20.40	33	-12.6
	10007	1000.7	4F-Sh	3	2	20.18	20.39	33	-12.61
				6	0	20.23	20.44	33	-12.56
				1	0	20.28	20.49	33	-12.51
1.4	18900	1880	OPSK	1	5	20.23	20.44	33	-12.56
1.4	10200	1000	Ser Ser	3	2	20.10	20.31	33	-12.69
				6	0	20.23	20.44	33	-12.56
				1	0	20.30	20.51	33	-12.49
	19193	1909.3	OPSK	1	5	20.25	20.46	33	-12.54
	19190	1909.0	QF-SK	3	2	20.06	20.27	33	-12.73
				6	0	20.22	20.43	33	-12.57
				1	0	20.16	20.37	33	-12.63
	49507	4950 7	150411	1	5	20.25	20.46	33	-12.54
	18607	1850.7	16QAM	3	2	20.23	20.44	33	-12.56
				6	0	20.16	20.37	33	-12.63
				1	0	20.23	20.44	33	-12.56
				1	5	20.07	20.28	33	-12.72
1.4	18900	1880	16QAM	3	2	20.24	20.45	33	-12.55
				6	0	20.20	20.41	33	-12.59
		1909.3		1	0	20.26	20.47	33	-12.53
				1	5	20.24	20.45	33	-12.55
	19193		16QAM	3	2	20.21	20.42	33	-12.58
				6	0	20.15	20.36	33	-12.64
<u> </u>				1	0	20.17	20.38	33	-12.62
				1	5	20.22	20.43	33	-12.57
	18607	1850.7	64QAM	3	2	20.08	20.29	33	-12.71
				6	0	20.18	20.39	33	-12.61
	<u> </u>			1	0	20.21	20.42	33	-12.58
				1	5	20.08	20.29	33	-12.71
1.4	18900	1880	64QAM	3	2	20.08	20.29	33	-12.71
				6	0	20.25	20.46	33	-12.54
	<u> </u>			1	0	20.26	20.47	33	-12.53
				1	5	20.26	20.47	33	-12.53
	19193	1909.3	64QAM	3	2	20.22	20.43	33	-12.57
				6	0	20.15	20.36	33	-12.64
				1	0	20.15	20.36	33	-12.64
				1	5	20.17	20.38	33	-12.62
	18607	1850.7	256QAM	3	2	20.24	20.45	33	-12.55
				6	0	20.24	20.43	33	-12.57
				1	0	20.11	20.40	33	-12.68
				1	5	20.11	20.32	33	-12.53
1.4	18900	1880	256QAM	3	2	20.20	20.41	33	-12.59
				6	0	20.20	20.41	33	-12.58
				1	0	20.21	20.42	33	-12.67
				1	5	20.12	20.33	33	-12.07
	19193	1909.3	256QAM	3	2	20.20	20.41	33	-12.59
				6	0	20.26	20.47	33	-12.53

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Antenna	gain (dBi)	0.21							
			LTE Band 2_Up	link freq	uency ba	nd : 1850 to 1910	) MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.36	20.57	33	-12.43
				1	14	20.23	20.44	33	-12.56
	18615	1851.5	QP5K	8	4	20.25	20.46	33	-12.54
				15	0	20.26	20.47	33	-12.53
				1	0	20.32	20.53	33	-12.47
				1	14	20.30	20.51	33	-12.49
3	18900	1880	QP5K	8	4	20.18	20.39	33	-12.61
				15	0	20.30	20.51	33	-12.49
				1	0	20.35	20.56	33	-12.44
				1	14	20.33	20.54	33	-12.46
	19185	1908.5	QPSK	8	4	20.15	20.36	33	-12.64
				15	0	20.24	20.45	33	-12.55
				1	0	20.21	20.42	33	-12.58
				1	14	20.32	20.53	33	-12.47
	18615	1851.5	16QAM	8	4	20.31	20.52	33	-12.48
				15	0	20.19	20.40	33	-12.6
		1880		1	0	20.31	20.52	33	-12.48
	40000		450411	1	14	20.17	20.38	33	-12.62
3	18900		16QAM	8	4	20.32	20.53	33	-12.47
				15	0	20.23	20.44	33	-12.56
		1908.5	16QAM	1	0	20.33	20.54	33	-12.46
	19185			1	14	20.33	20.54	33	-12.46
	19100			8	4	20.27	20.48	33	-12.52
				15	0	20.17	20.38	33	-12.62
				1	0	20.24	20.45	33	-12.55
	18615	1851.5	64QAM	1	14	20.28	20.49	33	-12.51
	10010	1001.0		8	4	20.18	20.39	33	-12.61
				15	0	20.19	20.40	33	-12.6
				1	0	20.24	20.45	33	-12.55
3	18900	1880	64QAM	1	14	20.12	20.33	33	-12.67
-				8	4	20.18	20.39	33	-12.61
				15	0	20.34	20.55	33	-12.45
				1	0	20.33	20.54	33	-12.46
	19185	1908.5	64QAM	1	14	20.36	20.57	33	-12.43
				8	4	20.32	20.53	33	-12.47
				15	0	20.18	20.39	33	-12.61
				1	0	20.23	20.44	33	-12.56
	18615	1851.5	256QAM	1	14	20.26	20.47	33	-12.53
				8	4	20.31	20.52	33	-12.48
				15	0	20.30	20.51	33	-12.49
				1	0	20.18	20.39	33	-12.61
3	18900	1880	256QAM	1	14	20.29	20.50	33	-12.5
				8	4	20.23	20.44	33 33	-12.56
				15	0	20.28 20.19	20.49 20.40	33	-12.51
				1	14	20.19	20.40	33	-12.0
	19185	1908.5	256QAM	8	4	20.31	20.52	33	-12.40
				15	4		20.40	33	-12.54
				10	•	20.34	20.00	33	-12.40

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Antenna	gain (dBi)	0.21	]						
		•	LTE Band 2_Up	link freq	uency ba	nd : 1850 to 1910	) MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0 24	20.39	20.60	33	-12.4 -12.54
	18625	1852.5	QP5K	12	6	20.23	20.40	33	-12.54
				25	0	20.33	20.43	33	-12.46
				1	0	20.36	20.57	33	-12.43
				1	24	20.28	20.49	33	-12.51
5	18900	1880	QP5K	12	6	20.17	20.38	33	-12.62
				25	0	20.32	20.53	33	-12.47
				1	0	20.35	20.56	33	-12.44
				1	24	20.36	20.57	33	-12.43
	19175	1907.5	QPSK	12	6	20.18	20.39	33	-12.61
				25	0	20.29	20.50	33	-12.5
				1	0	20.20	20.41	33	-12.59
				1	24	20.36	20.57	33	-12.43
	18625	1852.5	16QAM	12	6	20.33	20.54	33	-12.46
				25	0	20.21	20.42	33	-12.58
		1880		1	0	20.34	20.55	33	-12.45
	40000		450411	1	24	20.18	20.39	33	-12.61
5	18900		16QAM	12	6	20.29	20.50	33	-12.5
				25	0	20.29	20.50	33	-12.5
				1	0	20.32	20.53	33	-12.47
	19175		16QAM	1	24	20.32	20.53	33	-12.47
	191/0	1907.5	TOQANT	12	6	20.25	20.46	33	-12.54
				25	0	20.23	20.44	33	-12.56
				1	0	20.29	20.50	33	-12.5
	18625	1852.5	64QAM	1	24	20.30	20.51	33	-12.49
	10020	1002.0	C-Capital	12	6	20.21	20.42	33	-12.58
				25	0	20.27	20.48	33	-12.52
				1	0	20.27	20.48	33	-12.52
5	18900	1880	64QAM	1	24	20.15	20.36	33	-12.64
-				12	6	20.20	20.41	33	-12.59
				25	0	20.36	20.57	33	-12.43
				1	0	20.33	20.54	33	-12.46
	19175	1907.5	64QAM	1	24	20.32	20.53	33	-12.47
				12	6	20.29	20.50	33	-12.5
				25	0	20.22	20.43	33	-12.57
				1	0	20.24	20.45	33	-12.55
	18625	1852.5	256QAM	1	24	20.27	20.48	33	-12.52
				12	6	20.32	20.53	33 33	-12.47
				25	0	20.33 20.20	20.54 20.41	33	-12.46
				1	24	20.20	20.41	33	-12.59
5	18900	1880	256QAM	12	6	20.35	20.36	33	-12.44
				25	0	20.28	20.49	33	-12.51
	<u> </u>			1	0	20.28	20.49	33	-12.51
				1	24	20.23	20.44	33	-12.30
	19175	1907.5	256QAM	12	6	20.31	20.32	33	-12.40
				25	0	20.36	20.57	33	-12.43
				200	~	20.00	20.01	~	12,000

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Antenna	gain (dBi)	0.21							
			LTE Band 2_Up	link freq	uency ba	nd : 1850 to 1910	) MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
	18650	1855	QP5K	1 1 25	0 49 12	20.42 20.31 20.31	20.63 20.52 20.52	33 33 33	-12.37 -12.48 -12.48
10	18900	1880	QP5K	50 1 1 25	0 0 49 12	20.29 20.40 20.32 20.20	20.50 20.61 20.53 20.41	33 33 33 33	-12.5 -12.39 -12.47 -12.59
	19150	1905	QP5K	50 1 1 25	0 0 49 12	20.31 20.36 20.35 20.20	20.52 20.57 20.56 20.41	33 33 33 33	-12.48 -12.43 -12.44 -12.59
	18650 1	1855	16QAM	50 1 1 25	0 0 49 12	20.31 20.22 20.35 20.30	20.52 20.43 20.56 20.51	33 33 33 33	-12.48 -12.57 -12.44 -12.49
10	18900	1880	16QAM	50 1 1 25 50	0 0 49 12 0	20.25 20.37 20.23 20.35 20.35	20.46 20.58 20.44 20.56 20.54	33 33 33 33 33	-12.54 -12.42 -12.56 -12.44 -12.46
	19150	1905	16QAM	1 1 25 50	0 49 12 0	20.33 20.37 20.36 20.29 20.21	20.54 20.58 20.57 20.50 20.42	33 33 33 33 33	-12.40 -12.42 -12.43 -12.5 -12.58
	18650	1855	64QAM	1 1 25 50	0 49 12 0	20.21 20.32 20.33 20.20 20.28	20.42 20.53 20.54 20.41 20.49	33 33 33 33 33	-12.36 -12.47 -12.46 -12.59 -12.51
10	18900	1880	64QAM	1 1 25 50	0 49 12 0	20.26 20.32 20.20 20.20 20.38	20.53 20.41 20.41	33 33 33 33 33	-12.47 -12.59 -12.59
	19150	1905	64QAM	1 1 25 50	0 49 12 0	20.36 20.38 20.37 20.36 20.22	20.59 20.59 20.58 20.57 20.43	33 33 33 33 33	-12.41 -12.41 -12.42 -12.43 -12.57
	18650	1855	256QAM	1 1 25 50	0 49 12 0	20.22 20.26 20.25 20.35 20.31	20.43 20.47 20.46 20.56 20.52	33 33 33 33 33	-12.57 -12.53 -12.54 -12.44 -12.48
10	18900	1880	256QAM	1 1 25 50	0 49 12 0	20.31 20.21 20.37 20.28 20.30	20.52 20.42 20.58 20.49 20.51	33 33 33 33 33	-12.40 -12.58 -12.42 -12.51 -12.49
	19150	1905	256QAM	1 1 25 50	0 49 12 0	20.30 20.28 20.34 20.28 20.34	20.51 20.49 20.55 20.49 20.55	33 33 33 33 33	-12.49 -12.51 -12.45 -12.51 -12.45

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Antenna	gain (dBi)	0.21							
		•	LTE Band 2_Up	link freq	uency ba	nd : 1850 to 1910	) MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.46	20.67	33	-12.33
	10070	4000 0	oper	1	74	20.35	20.56	33	-12.44
	18675	1857.5	QPSK	36	18	20.33	20.54	33	-12.46
				75	0	20.39	20.60	33	-12.4
				1	0	20.44	20.65	33	-12.35
15	18900	1880	QPSK	1	74	20.35	20.56	33	-12.44
19	10900	1000	QP3K	36	18	20.25	20.46	33	-12.54
				75	0	20.35	20.56	33	-12.44
				1	0	20.42	20.63	33	-12.37
	19125	1902.5	OPSK	1	74	20.38	20.59	33	-12.41
	19120	1902.5	upok.	36	18	20.19	20.40	33	-12.6
				75	0	20.36	20.57	33	-12.43
				1	0	20.28	20.49	33	-12.51
	10070	4057.5	16QAM	1	74	20.39	20.60	33	-12.4
	18675	1857.5	100,401	36	18	20.37	20.58	33	-12.42
				75	0	20.29	20.50	33	-12.5
				1	0	20.37	20.58	33	-12.42
		4000		1	74	20.25	20.46	33	-12.54
15	18900	1880	16QAM	36	18	20.38	20.59	33	-12.41
				75	0	20.34	20.55	33	-12.45
				1	0	20.42	20.63	33	-12.37
				1	74	20.41	20.62	33	-12.38
	19125	1902.5	16QAM	36	18	20.32	20.53	33	-12.47
				75	0	20.26	20.47	33	-12.53
				1	0	20.35	20.56	33	-12.44
				1	74	20.37	20.58	33	-12.42
	18675	1857.5	64QAM	36	18	20.28	20.49	33	-12.51
				75	0	20.28	20.49	33	-12.51
				1	0	20.31	20.52	33	-12.48
				1	74	20.25	20.46	33	-12.54
15	18900	1880	64QAM	36	18	20.22	20.43	33	-12.57
				75	0	20.37	20.58	33	-12.42
				1	0	20.37	20.58	33	-12.42
	10105	1000.5	640000	1	74	20.42	20.63	33	-12.37
	19125	1902.5	64QAM	36	18	20.40	20.61	33	-12.39
				75	0	20.30	20.51	33	-12.49
				1	0	20.33	20.54	33	-12.46
	40070	1000 0		1	74	20.33	20.54	33	-12.46
	18675	1857.5	256QAM	36	18	20.35	20.56	33	-12.44
				75	0	20.36	20.57	33	-12.43
				1	0	20.26	20.47	33	-12.53
				1	74	20.37	20.58	33	-12.42
15	18900	1880	256QAM	36	18	20.33	20.54	33	-12.46
				75	0	20.38	20.59	33	-12.41
				1	0	20.32	20.53	33	-12.47
				1	74	20.36	20.57	33	-12.43
	19125	1902.5	256QAM	36	18	20.34	20.55	33	-12.45
				75	0	20.39	20.60	33	-12.4

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Antenna	gain (dBi)	0.21							
			LTE Band 2_Up	link freq	uency ba	nd : 1850 to 1910	) MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.49	20.70	33	-12.3
	18700	1860	OPSK	1	99	20.33	20.54	33	-12.46
	16/00	1000	QPSK	50	25	20.34	20.55	33	-12.45
				100	0	20.35	20.56	33	-12.44
				1	0	20.46	20.67	33	-12.33
20	18900	1880	OPSK	1	99	20.37	20.58	33	-12.42
20	10300	1000	MP-UN	50	25	20.25	20.46	33	-12.54
				100	0	20.36	20.57	33	-12.43
				1	0	20.47	20.68	33	-12.32
	19100	1900	OPSK	1	99	20.39	20.60	33	-12.4
	12100		Sec. On	50	25	20.20	20.41	33	-12.59
				100	0	20.31	20.52	33	-12.48
				1	0	20.28	20.49	33	-12.51
	18700	1860	16QAM	1	99	20.39	20.60	33	-12.4
	10100	1000	10-aprilli	50	25	20.34	20.55	33	-12.45
				100	0	20.27	20.48	33	-12.52
				1	0	20.36	20.57	33	-12.43
20	18900	1880	16QAM	1	99	20.21	20.42	33	-12.58
	10300	1000	10 april 1	50	25	20.37	20.58	33	-12.42
				100	0	20.33	20.54	33	-12.46
				1	0	20.36	20.57	33	-12.43
	19100	1900	16QAM	1	99	20.41	20.62	33	-12.38
				50	25	20.34	20.55	33	-12.45
				100	0	20.27	20.48	33	-12.52
				1	0	20.35	20.56	33	-12.44
	18700	1860	64QAM	1	99	20.38	20.59	33	-12.41
				50	25	20.26	20.47	33	-12.53
				100	0	20.28	20.49	33	-12.51
				1	0	20.34	20.55	33	-12.45
20	18900	1880	64QAM	1	99	20.21	20.42	33	-12.58
				50	25	20.26	20.47	33	-12.53
				100	0	20.43	20.64	33	-12.36
				1	0	20.39	20.60	33	-12.4
	19100	1900	64QAM	1	99	20.43	20.64	33	-12.36
				50	25	20.37	20.58	33	-12.42
				100	0	20.25	20.46	33	-12.54
				1	0	20.31	20.52	33	-12.48
	18700	1860	256QAM	1	99	20.32	20.53	33	-12.47
				50	25	20.35	20.56	33	-12.44
				100	0	20.40	20.61	33	-12.39
				1	0	20.27	20.48	33	-12.52
20	18900	1880	256QAM	1	99	20.39	20.60	33	-12.4
				50	25	20.35	20.56	33	-12.44
				100	0	20.38	20.59	33	-12.41
				1	0	20.31	20.52	33	-12.48
	19100	1900	256QAM	1	99	20.40	20.61	33	-12.39
				50	25	20.34	20.55	33	-12.45
				100	0	20.42	20.63	33	-12.37

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Antenna	gain (dBi)	0.05							
			LTE Band 4_Up	link freq	uency ba	nd : 1710 to 1755	5 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.41	20.46	30	-9.54
	19957	1710.7	OPSK	1	5	20.33	20.38	30	-9.62
	1990/	1710.7	QF-OK	3	2	20.36	20.41	30	-9.59
				6	0	20.43	20.48	30	-9.52
				1	0	20.44	20.49	30	-9.51
1.4	20175	1732.5	OPSK	1	5	20.31	20.36	30	-9.64
	20110		4	3	2	20.30	20.35	30	-9.65
				6	0	20.35	20.40	30	-9.6
				1	0	20.48	20.53	30	-9.47
	20393	1754.3	QPSK	1	5	20.41	20.46	30	-9.54
				3	2	20.34	20.39	30	-9.61
				6	0	20.46	20.51	30	-9.49
				1	0	20.41	20.46	30	-9.54
	19957	1710.7	16QAM	1	5	20.44	20.49	30	-9.51
				3	2	20.30	20.35	30	-9.65
				6	0	20.29	20.34	30	-9.66
				1	0	20.30	20.35	30	-9.65
1.4	20175	1732.5	16QAM	1	5	20.43	20.48	30	-9.52
				3	2	20.33	20.38	30	-9.62
				6	0	20.40	20.45	30	-9.55
				1	0	20.39	20.44	30	-9.56
	20393	1754.3	16QAM	1	5	20.25	20.30	30	-9.7
				3	2	20.31	20.36	30	-9.64
				6	0	20.35	20.40	30	-9.6
				1	0	20.35	20.40	30	-9.6
	19957	1710.7	64QAM	1	5	20.43	20.48	30	-9.52
				3	2	20.31	20.36	30	-9.64
				6	0	20.30	20.35	30	-9.65
				1	0	20.42	20.47	30	-9.53
1.4	20175	1732.5	64QAM	1	5	20.43	20.48	30	-9.52
				3	2	20.47	20.52	30	-9.48
				6	0	20.29	20.34	30	-9.66
				1	0	20.27	20.32	30	-9.68
	20393	1754.3	64QAM	1	5	20.33	20.38	30	-9.62
				3	2	20.31	20.36	30	-9.64
				6	0	20.32	20.37	30	-9.63
				1	0	20.33	20.38	30	-9.62
	19957	1710.7	256QAM	1	5	20.29	20.34	30	-9.66
				3	2	20.38	20.43	30	-9.57
				6	0	20.42	20.47	30	-9.53
				1	0	20.29	20.34	30	-9.66
1.4	20175	1732.5	256QAM	1	5	20.39	20.44	30	-9.56
				3	2	20.44	20.49	30	-9.51
				6	0	20.27	20.32	30	-9.68
				1	0	20.45	20.50	30	-9.5
	20393	1754.3	256QAM	1	5	20.38	20.43	30	-9.57
				3	2	20.44	20.49	30	-9.51
				6	0	20.27	20.32	30	-9.68

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Antenna	gain (dBi)	0.05							
			LTE Band 4_Up	olink freq	uency ba	nd : 1710 to 1755	5 MHZ		
BW	UL	Frequency	Modulation	RB	RB	Conducted Average	EIRP Average	EIRP Limit	Margin
(MHz)	Channel	(MHz)		Size	Offset	(dBm)	(dBm)	(dBm)	(dB)
				1	0	20.45	20.50	30	-9.5
	19965	1711.5	OPSK	1	14	20.34	20.39	30	-9.61
	13300	111.2	Ser Six	8	4	20.39	20.44	30	-9.56
				15	0	20.48	20.53	30	-9.47
				1	0	20.49	20.54	30	-9.46
3	20175	1732.5	OPSK	1	14	20.37	20.42	30	-9.58
				8	4	20.36	20.41	30	-9.59
				15	0	20.35	20.40	30	-9.6
				1	0	20.53	20.58	30	-9.42
	20385	1753.5	QP5K	1	14	20.48	20.53	30	-9.47
				8	4	20.40	20.45	30	-9.55
				15	0	20.47	20.52	30	-9.48
				1	0	20.41	20.46	30	-9.54
	19965	1711.5	16QAM	1	14	20.48	20.53	30	-9.47
				8	4	20.34	20.39	30	-9.61
				15	0	20.33	20.38	30	-9.62
				1	0	20.36	20.41	30	-9.59
3	20175	1732.5	16QAM	1	14	20.45	20.50	30	-9.5
				8	4	20.35	20.40	30	-9.6
				15	0	20.45	20.50	30	-9.5
				1	0	20.43	20.48	30	-9.52
	20385	1753.5	16QAM	1	14	20.32	20.37	30	-9.63
				8	4	20.36	20.41	30	-9.59
				15	0	20.39	20.44	30	-9.56
				1	0	20.36	20.41	30	-9.59
	19965	1711.5	64QAM	1	14	20.51	20.56	30	-9.44
				8	4	20.38	20.43	30	-9.57
				15	0	20.34 20.46	20.39	30 30	-9.61 -9.49
				1	14	20.40	20.51	30	-9.49
3	20175	1732.5	64QAM	8	4	20.49	20.54	30	-9.46
				15	0	20.49	20.34	30	-9.40
				10	0	20.30	20.41	30	-9.65
				1	14	20.35	20.33	30	-9.6
	20385	1753.5	64QAM	8	4	20.35	20.40	30	-9.59
				15	0	20.34	20.39	30	-9.61
				1	0	20.34	20.41	30	-9.59
				1	14	20.34	20.39	30	-9.61
	19965	1711.5	256QAM	8	4	20.42	20.47	30	-9.53
				15	0	20.45	20.50	30	-9.5
	<u> </u>			1	0	20.32	20.37	30	-9.63
				1	14	20.44	20.49	30	-9.51
3	20175	1732.5	256QAM	8	4	20.52	20.57	30	-9.43
				15	0	20.34	20.39	30	-9.61
				1	0	20.51	20.56	30	-9.44
				1	14	20.39	20.44	30	-9.56
	20385	1753.5	256QAM	8	4	20.49	20.54	30	-9.46
				15	0	20.33	20.38	30	-9.62
					-				

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Antenna	gain (dBi)	0.05							
			LTE Band 4_Up	link freq	uency ba	nd : 1710 to 1755	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average	EIRP Limit	Margin (dB)
				1	0	(dBm) 20.46	(dBm) 20.51	(dBm) 30	-9.49
				1	24	20.37	20.42	30	-9.58
	19975	1712.5	QP5K	12	6	20.40	20.45	30	-9.55
				25	0	20.49	20.54	30	-9.46
				1	0	20.51	20.56	30	-9.44
				1	24	20.41	20.46	30	-9.54
5	20175	1732.5	QP5K	12	6	20.38	20.43	30	-9.57
				25	0	20.37	20.42	30	-9.58
				1	0	20.56	20.61	30	-9.39
				1	24	20.50	20.55	30	-9.45
	20375	1752.5	QP5K	12	6	20.42	20.47	30	-9.53
				25	0	20.50	20.55	30	-9.45
				1	0	20.45	20.50	30	-9.5
				1	24	20.48	20.53	30	-9.47
	19975	1712.5	16QAM	12	6	20.38	20.43	30	-9.57
				25	0	20.37	20.42	30	-9.58
				1	0	20.38	20.43	30	-9.57
_				1	24	20.45	20.50	30	-9.5
5	20175	1732.5	16QAM	12	6	20.36	20.41	30	-9.59
				25	0	20.45	20.50	30	-9.5
				1	0	20.44	20.49	30	-9.51
				1	24	20.32	20.37	30	-9.63
	20375	1752.5	16QAM	12	6	20.37	20.42	30	-9.58
				25	0	20.44	20.49	30	-9.51
				1	0	20.38	20.43	30	-9.57
				1	24	20.49	20.54	30	-9.46
	19975	1712.5	64QAM	12	6	20.37	20.42	30	-9.58
				25	0	20.33	20.38	30	-9.62
				1	0	20.47	20.52	30	-9.48
				1	24	20.51	20.56	30	-9.44
5	20175	1732.5	64QAM	12	6	20.54	20.59	30	-9.41
				25	0	20.35	20.40	30	-9.6
				1	0	20.34	20.39	30	-9.61
	20275	1750.5	640414	1	24	20.36	20.41	30	-9.59
	20375	1752.5	64QAM	12	6	20.37	20.42	30	-9.58
				25	0	20.35	20.40	30	-9.6
				1	0	20.37	20.42	30	-9.58
	19975	1712.5	256QAM	1	24	20.33	20.38	30	-9.62
	19970	1112.0	2004/401	12	6	20.44	20.49	30	-9.51
				25	0	20.46	20.51	30	-9.49
				1	0	20.34	20.39	30	-9.61
5	20175	1732.5	256QAM	1	24	20.43	20.48	30	-9.52
	20170	1102.0	200000101	12	6	20.50	20.55	30	-9.45
				25	0	20.35	20.40	30	-9.6
				1	0	20.55	20.60	30	-9.4
	20375	1752.5	256QAM	1	24	20.43	20.48	30	-9.52
	20070	1102.0	23040400	12	6	20.50	20.55	30	-9.45
				25	0	20.35	20.40	30	-9.6

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Antenna	gain (dBi)	0.05							
		•	LTE Band 4_Up	link freq	uency ba	nd : 1710 to 1755	5 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.53	20.58	30	-9.42
		1715	ODEK	1	49	20.41	20.46	30	-9.54
	20000	1715	QPSK	25	12	20.42	20.47	30	-9.53
				50	0	20.54	20.59	30	-9.41
				1	0	20.58	20.63	30	-9.37
10	20175	1732.5	QPSK	1	49	20.45	20.50	30	-9.5
10	20175	1132.5	QF-SK	25	12	20.40	20.45	30	-9.55
				50	0	20.43	20.48	30	-9.52
				1	0	20.60	20.65	30	-9.35
	20350	1750	QPSK	1	49	20.54	20.59	30	-9.41
	20000	1130	Sec.	25	12	20.47	20.52	30	-9.48
				50	0	20.57	20.62	30	-9.38
				1	0	20.47	20.52	30	-9.48
	20000	1715	160AM	1	49	20.54	20.59	30	-9.41
			10-sphill	25	12	20.39	20.44	30	-9.56
				50	0	20.40	20.45	30	-9.55
				1	0	20.41	20.46	30	-9.54
10	20175	1732.5	16QAM	1	49	20.54	20.59	30	-9.41
10	20110	1792.0	105phill	25	12	20.43	20.48	30	-9.52
				50	0	20.52	20.57	30	-9.43
				1	0	20.51	20.56	30	-9.44
	20350	1750	16QAM	1	49	20.36	20.41	30	-9.59
	20000	1100	10-sphill	25	12	20.43	20.48	30	-9.52
				50	0	20.46	20.51	30	-9.49
				1	0	20.42	20.47	30	-9.53
	20000	1715	64QAM	1	49	20.52	20.57	30	-9.43
				25	12	20.43	20.48	30	-9.52
				50	0	20.42	20.47	30	-9.53
				1	0	20.52	20.57	30	-9.43
10	20175	1732.5	64QAM	1	49	20.52	20.57	30	-9.43
				25	12	20.55	20.60	30	-9.4
				50	0	20.40	20.45	30	-9.55
				1	0	20.40	20.45	30	-9.55
	20350	1750	64QAM	1	49	20.45	20.50	30	-9.5
				25	12	20.41	20.46	30	-9.54
				50	0	20.41	20.46	30	-9.54
				1	0	20.44	20.49	30	-9.51
	20000	1715	256QAM	1	49	20.38	20.43	30	-9.57
				25	12	20.49	20.54	30	-9.46
				50	0	20.52	20.57	30	-9.43
				1	0	20.35	20.40	30	-9.6
10	20175	1732.5	256QAM	1	49	20.48	20.53	30	-9.47
				25	12	20.57	20.62	30	-9.38
				50	0	20.37	20.42	30	-9.58
				1	0	20.55	20.60	30	-9.4
	20350	1750	256QAM	1	49	20.49	20.54	30	-9.46
				25	12	20.52	20.57	30	-9.43
i				50	0	20.38	20.43	30	-9.57

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Antenna	gain (dBi)	0.05	]						
		1	LTE Band 4_Up	link freq	uency ba	nd : 1710 to 1755	5 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.53	20.58	30	-9.42
	20025	1717.5	QP5K	1	74	20.44	20.49	30	-9.51
				36	18	20.50	20.55	30	-9.45
				75	0	20.56	20.61	30	-9.39
				1	0	20.58	20.63	30 30	-9.37
15	20175	1732.5	QPSK	1 36	18	20.46	20.51	30	-9.49 -9.49
				75	0	20.46	20.51	30	-9.49
				1	0	20.47	20.52	30	-9.40
				1	74	20.65	20.62	30	-9.32
	20325	1747.5	QP5K	36	18	20.49	20.52	30	-9.46
				75	0	20.49	20.54	30	-9.40
				1	0	20.57	20.62	30	-9.43
				1	74	20.52	20.62	30	-9.38
	20025	1717.5	16QAM	36	18	20.44	20.49	30	-9.51
				75	0	20.47	20.52	30	-9.48
				1	ō	20.46	20.51	30	-9.49
				1	74	20.56	20.61	30	-9.39
15	20175	1732.5	16QAM	36	18	20.48	20.53	30	-9.47
				75	0	20.52	20.57	30	-9.43
				1	ō	20.54	20.59	30	-9.41
				1	74	20.39	20.44	30	-9.56
	20325	1747.5	16QAM	36	18	20.47	20.52	30	-9.48
				75	0	20.50	20.55	30	-9.45
				1	0	20.48	20.53	30	-9.47
				1	74	20.61	20.66	30	-9.34
	20025	1717.5	64QAM	36	18	20.49	20.54	30	-9.46
				75	0	20.43	20.48	30	-9.52
				1	0	20.57	20.62	30	-9.38
				1	74	20.57	20.62	30	-9.38
15	20175	1732.5	64QAM	36	18	20.60	20.65	30	-9.35
				75	0	20.46	20.51	30	-9.49
				1	0	20.41	20.46	30	-9.54
	20325	1747.5	64QAM	1	74	20.47	20.52	30	-9.48
	20020	1141.0	04400400	36	18	20.47	20.52	30	-9.48
				75	0	20.45	20.50	30	-9.5
				1	0	20.46	20.51	30	-9.49
	20025	1717.5	256QAM	1	74	20.45	20.50	30	-9.5
	20020		a constagration	36	18	20.53	20.58	30	-9.42
				75	0	20.56	20.61	30	-9.39
				1	0	20.40	20.45	30	-9.55
15	20175	1732.5	256QAM	1	74	20.54	20.59	30	-9.41
				36	18	20.55	20.60	30	-9.4
				75	0	20.44	20.49	30	-9.51
				1	0	20.60	20.65	30	-9.35
	20325	1747.5	256QAM	1	74	20.52	20.57	30	-9.43
				36	18	20.58	20.63	30	-9.37
				75	0	20.45	20.50	30	-9.5

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Antenna	gain (dBi)	0.05							
		•	LTE Band 4_Up	olink freq	uency ba	nd : 1710 to 175	5 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.59 20.46	20.64 20.51	30 30	-9.36 -9.49
	20050	1720	QP5K	50	25	20.46	20.51	30	-9.49
				100	0	20.56	20.61	30	-9.39
				1	0	20.61	20.66	30	-9.34
				1	99	20.48	20.53	30	-9.47
20	20175	1732.5	QP5K	50	25	20.43	20.48	30	-9.52
				100	0	20.46	20.51	30	-9.49
				1	0	20.65	20.70	30	-9.3
	20300	1745	OPSK	1	99	20.57	20.62	30	-9.38
	20300	1/40	QP-DK	50	25	20.49	20.54	30	-9.46
				100	0	20.61	20.66	30	-9.34
				1	0	20.55	20.60	30	-9.4
	20050	1720	16QAM	1	99	20.55	20.60	30	-9.4
			10 april 1	50	25	20.47	20.52	30	-9.48
				100	0	20.45	20.50	30	-9.5
				1	0	20.48	20.53	30	-9.47
20	20175	1732.5	16QAM	1	99	20.54	20.59	30	-9.41
				50	25	20.46	20.51	30	-9.49
				100	0	20.53	20.58	30	-9.42
				1	0	20.52	20.57	30	-9.43
	20300	1745	16QAM	1	99	20.40	20.45	30	-9.55
				50	25	20.44	20.49	30	-9.51
				100	0	20.50	20.55	30	-9.45
				1	0	20.46	20.51	30 30	-9.49
	20050	1720	64QAM	1 50	99 25	20.59	20.64 20.52	30	-9.36 -9.48
				100	0	20.47	20.52	30	-9.40
				100	0	20.42	20.47	30	-9.65
				1	99	20.54	20.63	30	-9.37
20	20175	1732.5	64QAM	50	25	20.61	20.66	30	-9.34
				100	0	20.43	20.48	30	-9.52
				1	0	20.40	20.45	30	-9.55
				1	99	20.47	20.52	30	-9.48
	20300	1745	64QAM	50	25	20.43	20.48	30	-9.52
				100	0	20.47	20.52	30	-9.48
				1	0	20.45	20.50	30	-9.5
	20050	1700	2550414	1	99	20.45	20.50	30	-9.5
	20050	1720	256QAM	50	25	20.53	20.58	30	-9.42
				100	0	20.57	20.62	30	-9.38
				1	0	20.44	20.49	30	-9.51
20	20175	1732.5	256QAM	1	99	20.49	20.54	30	-9.46
	20110		a second prime	50	25	20.61	20.66	30	-9.34
				100	0	20.40	20.45	30	-9.55
				1	0	20.63	20.68	30	-9.32
	20300	1745	256QAM	1	99	20.51	20.56	30	-9.44
				50	25	20.56	20.61	30	-9.39
				100	0	20.43	20.48	30	-9.52

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#### Report No.: TERF2206000812E2 Page: 31 of 117

Antenna	gain (dBi)	-0.694								
			LTE Ba	nd 5_Up	link frequ	ency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	20407	824.7	QPSK	1 1 3	0 5 2	21.61 21.58 21.54	18.77 18.74 18.70	20.92 20.89 20.85	38.45 38.45 38.45	-19.68 -19.71 -19.75
				6 1	0 0	21.54 21.60 21.57	18.76 18.73	20.85 20.91 20.88	38.45 38.45 38.45	-19.75 -19.69 -19.72
1.4	20525	836.5	QPSK	1 3 6	5 2 0	21.64 21.53 21.57	18.80 18.69 18.73	20.95 20.84 20.88	38.45 38.45 38.45	-19.65 -19.76 -19.72
	20643	848.3	QPSK	0 1 1	0	21.57 21.55 21.68	18.71 18.84	20.86 20.99	38.45 38.45	-19.72 -19.74 -19.61
	20043	040.0	Qr'ON	3 6 1	2 0 0	21.62 21.64 21.52	18.78 18.80 18.68	20.93 20.95 20.83	38.45 38.45 38.45	-19.67 -19.65 -19.77
	20407	824.7	16QAM	1	5 2	21.69 21.69	18.85 18.85	21.00 21.00	38.45 38.45	-19.60 -19.60
1.4	20525	836.5	16QAM	6 1 1	0 0 5	21.67 21.50 21.59	18.83 18.66 18.75	20.98 20.81 20.90	38.45 38.45 38.45	-19.62 -19.79 -19.70
1.7		000.0		3 6 1	2 0 0	21.51 21.62 21.68	18.67 18.78 18.84	20.82 20.93 20.99	38.45 38.45 38.45	-19.78 -19.67 -19.61
	20643	848.3	16QAM	1 3	5 2	21.63 21.53	18.79 18.69	20.94 20.84	38.45 38.45	-19.66 -19.76
	20407	824.7	64QAM	6 1 1	0 0 5	21.70 21.66 21.62	<b>18.86</b> 18.82 18.78	21.01 20.97 20.93	38.45 38.45 38.45	-19.59 -19.63 -19.67
	20407	024.7	04QAM	3 6 1	2 0 0	21.69 21.64 21.55	<b>18.85</b> 18.80 18.71	21.00 20.95 20.86	38.45 38.45 38.45	-19.60 -19.65 -19.74
1.4	20525	836.5	64QAM	1	5 2	21.65 21.55	18.81 18.71	20.96 20.86	38.45 38.45	-19.64 -19.74
	20642	040.2	640414	6 1 1	0 0 5	21.69 21.61 21.69	18.85           18.77           18.85	21.00 20.92 21.00	38.45 38.45 38.45	-19.60 -19.68 -19.60
	20643	848.3	64QAM	3 6 1	2 0 0	21.60 21.61 21.62	18.76 18.77 18.78	20.91 20.92 20.93	38.45 38.45 38.45	-19.69 -19.68 -19.67
	20407	824.7	256QAM	1 3	5 2	21.61 21.51	18.77 18.67	20.92 20.82	38.45 38.45	-19.68 -19.78
1.4	20525	836.5	256QAM	6 1 1	0 0 5	21.53 21.65 21.65	18.69 18.81 18.81	20.84 20.96 20.96	38.45 38.45 38.45	-19.76 -19.64 -19.64
				3 6 1	2 0 0	21.54 21.67 21.53	18.70 18.83 18.69	20.85 20.98 20.84	38.45 38.45 38.45	-19.75 -19.62 -19.76
	20643	848.3	256QAM	1 3 6	5 2 0	21.55 21.66 21.67	18.71 18.82 <b>18.83</b>	20.86 20.97 20.98	38.45 38.45 38.45	-19.74 -19.63 -19.62

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#### Report No.: TERF2206000812E2 Page: 32 of 117

Antenna	gain (dBi)	-0.694								
			LTE Ba	nd 5_Up	link frequ	ency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	20415	825.5	QPSK	1 1 8	0 14 4	21.52 21.54 21.52	18.68 18.70 18.68	20.83 20.85 20.83	38.45 38.45 38.45 38.45	-19.77 -19.75 -19.77
3	20525	836.5	QPSK	15 1 1	0 0 14	21.60 21.63 21.68	18.76 18.79 <b>18.84</b>	20.91 20.94 20.99	38.45 38.45 38.45	-19.69 -19.66 -19.61
3	20323	000.0		8 15 1	4 0 0	21.60 21.56 21.63	18.76 18.72 18.79	20.91 20.87 20.94	38.45 38.45 38.45	-19.69 -19.73 -19.66
	20635	847.5	QPSK	1 8 15	14 4 0	21.62 21.64 21.52	18.78 18.80 18.68	20.93 20.95 20.83	38.45 38.45 38.45	-19.67 -19.65 -19.77
	20415	825.5	16QAM	1 1 8 15	0 14 4 0	21.65 21.68 21.57 21.52	18.81 18.84 18.73 18.68	20.96 20.99 20.88 20.83	38.45 38.45 38.45 38.45	-19.64 -19.61 -19.72 -19.77
3	20525	836.5	16QAM	1 1 8	0 14 4	21.54 21.63 21.64	18.70 18.79 18.80	20.85 20.94 20.95	38.45 38.45 38.45	-19.75 -19.66 -19.65
	20635	847.5	16QAM	15 1 1 8	0 0 14 4	21.63 21.64 21.69 21.60	18.79 18.80 18.85 18.76	20.94 20.95 21.00 20.91	38.45 38.45 38.45 38.45	-19.66 -19.65 -19.60 -19.69
	20415	825.5	64QAM	15 1 1 8	0 0 14 4	21.70 21.57 21.56 21.51	<b>18.86</b> 18.73 18.72 18.67	21.01 20.88 20.87 20.82	38.45 38.45 38.45 38.45	-19.59 -19.72 -19.73 -19.78
3	20525	836.5	64QAM	15 1 1	0 0 14	21.65 21.64 21.64	<b>18.81</b> 18.80 18.80	20.96 20.95 20.95	38.45 38.45 38.45	-19.64 -19.65 -19.65
				8 15 1	4 0 0 14	21.64 21.65 21.50	18.80 18.81 18.66	20.95 20.96 20.81	38.45 38.45 38.45	-19.65 -19.64 -19.79
	20635	847.5	64QAM	1 8 15 1	14 4 0 0	21.57 21.64 21.57 21.63	18.73 18.80 18.73 18.79	20.88 20.95 20.88 20.94	38.45 38.45 38.45 38.45	-19.72 -19.65 -19.72 -19.66
	20415	825.5	256QAM	1 1 8 15	0 14 4 0	21.03 21.56 21.53 21.68	18.79 18.72 18.69 18.84	20.94 20.87 20.84 20.99	38.45 38.45 38.45 38.45	-19.00 -19.73 -19.76 -19.61
3	20525	836.5	256QAM	1 1 8	0 14 4	21.57 21.61 21.61	18.73 18.77 18.77	20.88 20.92 20.92	38.45 38.45 38.45	-19.72 -19.68 -19.68
	20635	847.5	256QAM	15 1 1	0 0 14	21.62 21.60 21.70	18.78 18.76 <b>18.86</b>	20.93 20.91 21.01	38.45 38.45 38.45	-19.67 -19.69 -19.59
		0.11.0	20000	8 15	4 0	21.60 21.53	18.76 18.69	20.91 20.84	38.45 38.45	-19.69 -19.76

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#### Report No.: TERF2206000812E2 Page: 33 of 117

Antenna	gain (dBi)	-0.694								
			LTE Ba	nd 5_Up	link frequ	ency band : 824	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	20425	826.5	QPSK	1 1 12	0 24 6	21.69 21.66 21.59	<b>18.85</b> 18.82 18.75	21.00 20.97 20.90	38.45 38.45 38.45 38.45	-19.60 -19.63 -19.70
5	20525	836.5	QPSK	25 1 1 12	0 0 24 6	21.64 21.52 21.55 21.69	18.80 18.68 18.71 <b>18.85</b>	20.95 20.83 20.86 21.00	38.45 38.45 38.45 38.45	-19.65 -19.77 -19.74 -19.60
	20625	846.5	QPSK	25 1 1 12	0 0 24 6	21.63 21.66 21.51 21.67	18.79 18.82 18.67 18.83	20.94 20.97 20.82 20.98	38.45 38.45 38.45 38.45	-19.66 -19.63 -19.78 -19.62
	20425	826.5	16QAM	25 1 1 12	0 0 24 6	21.51 21.67 21.64 21.52	18.67 18.83 18.80 18.68	20.82 20.98 20.95 20.83	38.45 38.45 38.45 38.45	-19.78 -19.62 -19.65 -19.77
5	20525	836.5	16QAM	25 1 1 12 25	0 0 24 6 0	21.55 21.67 21.52 21.50 21.67	18.71 18.83 18.68 18.66 18.83	20.86 20.98 20.83 20.81 20.98	38.45 38.45 38.45 38.45 38.45 38.45	-19.74 -19.62 -19.77 -19.79 -19.62
	20625	846.5	16QAM	1 1 12 25	0 24 6 0	21.57 21.52 21.51 21.69 21.59	18.68 18.67 <b>18.85</b> 18.75	20.83 20.82 21.00 20.90	38.45 38.45 38.45 38.45 38.45	-19.77 -19.78 -19.60 -19.70
	20425	826.5	64QAM	1 1 12 25	0 24 6 0	21.60 21.67 21.58 21.69 21.66	18.83 18.74 <b>18.85</b> 18.82	20.98 20.89 21.00 20.97	38.45 38.45 38.45 38.45 38.45	-19.62 -19.71 -19.60 -19.63
5	20525	836.5	64QAM	1 1 12 25	0 24 6 0	21.66 21.52 21.68 21.53	18.82 18.68 18.84 18.69	20.97 20.83 20.99 20.84	38.45 38.45 38.45 38.45 38.45	-19.63 -19.77 -19.61 -19.76
	20625	846.5	64QAM	1 1 12 25	0 24 6 0	21.63 21.53 21.68 21.64	18.69 18.69 18.84 18.80	20.94 20.84 20.99 20.95	38.45 38.45 38.45 38.45 38.45	-19.66 -19.76 -19.61 -19.65
	20425	826.5	256QAM	1 1 12 25	0 24 6 0	21.59 21.70 21.66 21.58	18.75 18.86 18.82 18.74	20.90 21.01 20.97 20.89	38.45 38.45 38.45 38.45 38.45	-19.53 -19.59 -19.63 -19.71
5	20525	836.5	256QAM	1 1 12 25	0 24 6 0	21.50 21.59 21.52 21.65 21.65	18.75 18.68 18.81 18.81	20.90 20.83 20.96 20.96	38.45 38.45 38.45 38.45 38.45	-19.70 -19.77 -19.64 -19.64
	20625	846.5	256QAM	1 1 12 25	0 24 6 0	21.60 21.67 21.68 21.52 21.51	18.83 18.84 18.68 18.67	20.98 20.99 20.83 20.82	38.45 38.45 38.45 38.45 38.45	-19.62 -19.61 -19.77 -19.78

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Antenna	gain (dBi)	-0.694								
			LTE Ba	nd 5_Up	link frequ	ency band : 824	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	20450	829	QPSK	1 1 25 50	0 49 12 0	21.71 21.55 21.59	18.87 18.71 18.75	21.02 20.86 20.90	38.45 38.45 38.45 38.45	-19.58 -19.74 -19.70
10	20525	836.5	QPSK	1 1 25	0 49 12	21.66 21.72 21.64 21.62	18.82 <b>18.88</b> 18.80 18.78	20.97 21.03 20.95 20.93	38.45 38.45 38.45 38.45	-19.63 -19.57 -19.65 -19.67
	20600	844	QPSK	50 1 1 25 50	0 0 49 12 0	21.67 21.68 21.63 21.65 21.52	18.83 18.84 18.79 18.81 18.68	20.98 20.99 20.94 20.96 20.83	38.45 38.45 38.45 38.45 38.45 38.45	-19.62 -19.61 -19.66 -19.64 -19.77
	20450	829	16QAM	1 1 25 50	0 49 12 0	21.52 21.50 21.60 21.58 21.56	18.66 18.76 18.74 18.72	20.83 20.81 20.91 20.89 20.87	38.45 38.45 38.45 38.45 38.45	-19.77 -19.79 -19.69 -19.71 -19.73
10	20525	836.5	16QAM	1 1 25 50	0 49 12 0	21.59 21.54 21.61 21.58	18.75 18.70 18.77 18.74	20.90 20.85 20.92 20.89	38.45 38.45 38.45 38.45 38.45	-19.70 -19.75 -19.68 -19.71
	20600	844	16QAM	1 1 25 50	0 49 12 0	21.65 21.59 21.55 21.51	<b>18.81</b> 18.75 18.71 18.67	20.96 20.90 20.86 20.82	38.45 38.45 38.45 38.45 38.45	-19.64 -19.70 -19.74 -19.78
	20450	829	64QAM	1 1 25 50	0 49 12 0	21.66 21.63 21.70 21.58	18.82 18.79 <b>18.86</b> 18.74	20.97 20.94 21.01 20.89	38.45 38.45 38.45 38.45 38.45	-19.63 -19.66 -19.59 -19.71
10	20525	836.5	64QAM	1 1 25 50	0 49 12 0	21.57 21.67 21.66 21.54	18.73 18.83 18.82 18.70	20.88 20.98 20.97 20.85	38.45 38.45 38.45 38.45 38.45	-19.72 -19.62 -19.63 -19.75
	20600	844	64QAM	1 1 25 50	0 49 12 0	21.67 21.57 21.56 21.55	18.83 18.73 18.72 18.71	20.98 20.88 20.87 20.86	38.45 38.45 38.45 38.45 38.45	-19.62 -19.72 -19.73 -19.74
	20450	829	256QAM	1 1 25 50	0 49 12 0	21.68 21.55 21.64 21.62	<b>18.84</b> 18.71 18.80 18.78	20.99 20.86 20.95 20.93	38.45 38.45 38.45 38.45 38.45	-19.61 -19.74 -19.65 -19.67
10	20525	836.5	256QAM	1 1 25 50	0 49 12 0	21.60 21.56 21.67 21.57	18.76 18.72 18.83 18.73	20.91 20.87 20.98 20.88	38.45 38.45 38.45 38.45 38.45	-19.69 -19.73 -19.62 -19.72
	20600	844	256QAM	1 1 25 50	0 49 12 0	21.65 21.59 21.52 21.57	18.75 18.68 18.73	20.96 20.90 20.83 20.88	38.45 38.45 38.45 38.45 38.45	-19.64 -19.70 -19.77 -19.72

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Antenna gain (dBi)		-2.98							
		I	_TE Band 7_Up	link frequ	uency bar	nd : 2500 to 257	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
		2502.5	QPSK	1	0 24	19.92 20.01	16.94 17.03	33 33	-16.06 -15.97
	20775			12	6	19.92	16.94	33	-16.06
	21100	2535 2567.5	QPSK QPSK	25 1	0	19.92 20.08	16.94 <b>17.10</b>	33 33	-16.06 -15.9
5				1 12	24 6	20.08 20.02	<b>17.10</b> 17.04	33 33	-15.9 -15.96
				25 1	0	20.02 19.92	17.04 16.94	33 33	-15.96 -16.06
				1 12	24 6	19.98 19.91	17.00 16.93	33 33	-16 -16.07
				25	0	19.93	16.95	33 33	-16.07 -16.05 -16.04
	20775	2502.5	16QAM	1	24	19.94 19.93	16.96 16.95	33	-16.05
	20110			12 25	6 0	19.95 20.09	16.97 <b>17.11</b>	33 33	-16.03 -15.89
_	21100	2535	16QAM	1	0 24	19.94 20.07	16.96 17.09	33 33	-16.04 -15.91
5				12 25	6 0	19.92 19.90	16.94 16.92	33 33	-16.06 -16.08
		2567.5	16QAM	1	0 24	19.97 19.91	16.99 16.93	33 33	-16.01 -16.07
	21425			12	6	20.02	17.04	33	-15.96
	20775 21100	2502.5 2535	64QAM 64QAM	25 1	0	19.95 20.07	16.97 17.09	33 33	-16.03 -15.91
				1 12	24 6	20.05 19.90	17.07 16.92	33 33	-15.93 -16.08
				25 1	0	19.94 20.09	16.96 <b>17.11</b>	33 33	-16.04 -15.89
5				1 12	24 6	19.92 19.98	16.94 17.00	33 33	-16.06 -16
				25	0	20.00	17.02	33 33	-15.98
	21425	2567.5	64QAM	1 1 12	0 24 6	19.96 19.94 19.89	16.98 16.96 16.91	33 33 33	-16.02 -16.04 -16.09
				25	0	19.91	16.93	33	-16.07
	20775	2502.5	256QAM	1	0 24	20.05 19.93	17.07 16.95	33 33	-15.93 -16.05
				12 25	6 0	19.90 20.05	16.92 17.07	33 33	-16.08 -15.93
5	21100	2535	256QAM	1 1	0 24	20.01 19.94	17.03 16.96	33 33	-15.97 -16.04
J				12 25	6 0	20.01 19.92	17.03 16.94	33 33	-15.97 -16.06
	21425	2567.5	256QAM	1	0 24	20.06 20.05	<b>17.08</b> 17.07	33 33	-15.92 -15.93
				12 25	6 0	19.94 19.98	16.96 17.00	33 33	-16.04 -16

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Antenna gain (dBi)		-2.98							
		I	_TE Band 7_Up	link frequ	iency bar	nd : 2500 to 257	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
		2505	QPSK	1	0	20.04	17.06	33	-15.94
	20800			1	49	20.04	17.06	33	-15.94
				25	12	19.91	16.93	33	-16.07
				50	0	20.04	17.06	33	-15.94
	21100	2535	QPSK	1	0	20.08	17.10	33	-15.9
10				1	49	20.02	17.04	33	-15.96
10				25	12	19.97	16.99	33	-16.01
				50	0	19.90	16.92	33	-16.08
			QPSK	1	0	19.97	16.99	33	-16.01
	21400	2565		1	49	20.04	17.06	33	-15.94
	21400	2303		25	12	19.89	16.91	33	-16.09
				50	0	20.07	17.09	33	-15.91
			16QAM	1	0	19.93	16.95	33	-16.05
	20800	2505		1	49	20.00	17.02	33	-15.98
				25	12	20.09	17.11	33	-15.89
				50	0	19.96	16.98	33	-16.02
		2535	16QAM	1	0	19.99	17.01	33	-15.99
10	21100			1	49	19.92	16.94	33	-16.06
10				25	12	19.91	16.93	33	-16.07
				50	0	20.07	17.09	33	-15.91
		2565	16QAM	1	0	19.91	16.93	33	-16.07
	21400			1	49	19.89	16.91	33	-16.09
				25	12	20.06	17.08	33	-15.92
				50	0	19.90	16.92	33	-16.08
	20800	2505		1	0	20.03	17.05	33	-15.95
			64QAM	1	49	20.02	17.04	33	-15.96
				25	12	20.03	17.05	33	-15.95
				50	0	19.97	16.99	33	-16.01
	21100	2535	64QAM	1	0	20.06	17.08	33	-15.92
10				1	49	19.89	16.91	33	-16.09
10				25	12	19.99	17.01	33	-15.99
				50	0	20.02	17.04	33	-15.96
	21400	2565	64QAM	1	0	20.03	17.05	33	-15.95
				1	49	19.90	16.92	33	-16.08
				25	12	20.03	17.05	33	-15.95
				50	0	20.06	17.08	33	-15.92
	20800	2505	256QAM	1	0	19.96	16.98	33	-16.02
				1	49	19.96	16.98	33	-16.02
				25	12	20.00	17.02	33	-15.98
				50	0	20.06	17.08	33	-15.92
	21100	2535	256QAM	1	0	20.08	17.10	33	-15.9
10				1	49	19.94	16.96	33	-16.04
				25	12	20.06	17.08	33	-15.92
				50	0	20.09	17.11	33	-15.89
	21400	2565	256QAM	1	0	20.06	17.08	33	-15.92
				1	49	19.98	17.00	33	-16
				25	12	20.06	17.08	33	-15.92
				50	0	19.96	16.98	33	-16.02

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Antenna	gain (dBi)	-2.98							
		I	_TE Band 7_Up	link frequ	iency bar	nd : 2500 to 257	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.15	17.17	33	-15.83
	20825	2507.5	QPSK	1	74	20.09	17.11	33	-15.89
	20020	2001.0	di on	36	18	20.13	17.15	33	-15.85
				75	0	20.22	17.24	33	-15.76
				1	0	20.20	17.22	33	-15.78
15	21100	2535	QPSK	1	74	20.05	17.07	33	-15.93
				36	18	20.04	17.06	33	-15.94
				75	0	20.09	17.11	33	-15.89
				1	0	20.03	17.05	33	-15.95
	21375	2562.5	QPSK	1	74	20.20	17.22	33	-15.78
				36	18	20.15	17.17	33	-15.83
				75	0	20.17	17.19	33	-15.81
				1	0	20.14	17.16	33	-15.84
	20825	2507.5	16QAM	1	74	20.18	17.20	33	-15.8
	20020			36	18	20.20	17.22	33	-15.78
				75	0	20.16	17.18	33	-15.82
				1	0	20.16	17.18	33	-15.82
15	21100	2535	16QAM	1	74	20.10	17.12	33	-15.88
10	21100	2000	10 00 111	36	18	20.19	17.21	33	-15.79
				75	0	20.09	17.11	33	-15.89
				1	0	20.14	17.16	33	-15.84
	21375	2562.5	16QAM	1	74	20.13	17.15	33	-15.85
	21010	2002.0	10 00 111	36	18	20.18	17.20	33	-15.8
				75	0	20.02	17.04	33	-15.96
				1	0	20.21	17.23	33	-15.77
	20825	2507.5	64QAM	1	74	20.20	17.22	33	-15.78
	20020		0.00.00	36	18	20.16	17.18	33	-15.82
				75	0	20.04	17.06	33	-15.94
				1	0	20.19	17.21	33	-15.79
15	21100	2535	64QAM	1	74	20.04	17.06	33	-15.94
				36	18	20.16	17.18	33	-15.82
				75	0	20.20	17.22	33	-15.78
				1	0	20.02	17.04	33	-15.96
	21375	2562.5	64QAM	1	74	20.19	17.21	33	-15.79
				36	18	20.13	17.15	33	-15.85
				75	0	20.07	17.09	33	-15.91
				1	0	20.21	17.23	33	-15.77
	20825	2507.5	256QAM	1	74	20.14	17.16	33	-15.84
				36	18	20.10	17.12	33	-15.88
	L			75	0	20.20	17.22	33	-15.78
			1	0	20.08	17.10	33	-15.9	
15	21100	21100 2535	256QAM	1	74	20.08	17.10	33	-15.9
	21100 2535		36	18	20.08	17.10	33	-15.9	
				75	0	20.22	17.24	33	-15.76
				1	0	20.07	17.09	33	-15.91
	21375	2562.5	256QAM	1	74	20.15	17.17	33	-15.83
				36	18	20.19	17.21	33	-15.79
				75	0	20.06	17.08	33	-15.92

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Antenna	gain (dBi)	-2.98							
		I	LTE Band 7_Up	link frequ	iency bar	nd : 2500 to 257	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.28	17.30	33	-15.7
	20850	2510	QPSK	1	99	20.13	17.15	33	-15.85
	20650	2510	QPSK	50	25	20.15	17.17	33	-15.83
				100	0	20.10	17.12	33	-15.88
				1	0	20.31	17.33	33	-15.67
20	21100	2535	QPSK	1	99	20.06	17.08	33	-15.92
20	21100	2000	QFOR	50	25	20.15	17.17	33	-15.83
				100	0	20.02	17.04	33	-15.96
				1	0	20.24	17.26	33	-15.74
	21350	2560	QPSK	1	99	20.08	17.10	33	-15.9
	21550	2300	QFON	50	25	20.09	17.11	33	-15.89
				100	0	20.09	17.11	33	-15.89
				1	0	20.21	17.23	33	-15.77
	20850	2510	QPSK	1	99	20.18	17.20	33	-15.8
	20650	2510	QPSK	50	25	20.09	17.11	33	-15.89
				100	0	20.14	17.16	33	-15.84
				1	0	20.18	17.20	33	-15.8
20	21100	2535	QPSK	1	99	20.05	17.07	33	-15.93
20	21100	2030	QPSK	50	25	20.20	17.22	33	-15.78
				100	0	20.13	17.15	33	-15.85
				1	0	20.08	17.10	33	-15.9
	01250	0560	ODCK	1	99	20.21	17.23	33	-15.77
	21350	2560	QPSK	50	25	20.12	17.14	33	-15.86
				100	0	20.17	17.19	33	-15.81
				1	0	20.21	17.23	33	-15.77
	20850	2510	QPSK	1	99	20.19	17.21	33	-15.79
	20050	2510	QFSK	50	25	20.22	17.24	33	-15.76
				100	0	20.22	17.24	33	-15.76
				1	0	20.10	17.12	33	-15.88
20	21100	2535	QPSK	1	99	20.15	17.17	33	-15.83
20	21100	2000	QFSK	50	25	20.10	17.12	33	-15.88
				100	0	20.13	17.15	33	-15.85
			<u> </u>	1	0	20.10	17.12	33	-15.88
	21350	2560	OPSK	1	99	20.03	17.05	33	-15.95
	21350	2560	QPSK	50	25	20.13	17.15	33	-15.85
				100	0	20.21	17.23	33	-15.77
				1	0	20.13	17.15	33	-15.85
	20850	2510	QPSK	1	99	20.10	17.12	33	-15.88
	20000	2310	Qr' Or	50	25	20.07	17.09	33	-15.91
				100	0	20.21	17.23	33	-15.77
		21100 2535		1	0	20.20	17.22	33	-15.78
20	21100		QPSK	1	99	20.06	17.08	33	-15.92
20	21100			50	25	20.21	17.23	33	-15.77
				100	0	20.21	17.23	33	-15.77
				1	0	20.07	17.09	33	-15.91
	21350	2560	QPSK	1	99	20.09	17.11	33	-15.89
	21000	2300		50	25	20.10	17.12	33	-15.88
				100	0	20.17	17.19	33	-15.81

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### Report No.: TERF2206000812E2 Page: 39 of 117

Antenna	gain (dBi)	0.44								
			LTE Bar	nd 12_Up	olink frequ	ency band : 69	9 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23017	699.7	QPSK	1 1 3	0 5 2	22.95 22.94 22.94	21.24 21.23 21.23	23.39 23.38 23.38	34.77 34.77 34.77	-13.53 -13.54 -13.54
1.4	23095	707.5	QPSK	6 1 1 3	0 0 5 2	22.81 22.96 22.85 22.82	21.10 21.25 21.14 21.11	23.25 23.40 23.29 23.26	34.77 34.77 34.77 34.77	-13.67 -13.52 -13.63 -13.66
	23173	715.5	QPSK	6 1 1	0 0 5	22.79 22.94 22.91	21.08 21.23 21.20	23.23 23.38 23.35	34.77 34.77 34.77	-13.69 -13.54 -13.57
	02047	600.7	400414	3 6 1 1	2 0 0 5	22.92 22.78 22.94 22.89	21.21 21.07 <b>21.23</b> 21.18	23.36 23.22 23.38 23.33	34.77 34.77 34.77 34.77	-13.56 -13.70 -13.54 -13.59
	23017	699.7	16QAM	3 6 1	2 0 0	22.90 22.81 22.94	21.19 21.10 <b>21.23</b>	23.34 23.25 23.38	34.77 34.77 34.77	-13.58 -13.67 -13.54
1.4	23095	707.5	16QAM	1 3 6 1	5 2 0 0	22.94 22.93 22.90 22.88	<b>21.23</b> 21.22 21.19 21.17	23.38 23.37 23.34 23.32	34.77 34.77 34.77 34.77	-13.54 -13.55 -13.58 -13.60
	23173	715.5	16QAM	1 3 6	5 2 0	22.87 22.90 22.79	21.16 21.19 21.08	23.31 23.34 23.23	34.77 34.77 34.77	-13.61 -13.58 -13.69
	23017	699.7	64QAM	1 1 3 6	0 5 2 0	22.78 22.94 22.81 22.86	21.07 21.23 21.10 21.15	23.22 23.38 23.25 23.30	34.77 34.77 34.77 34.77	-13.70 -13.54 -13.67 -13.62
1.4	23095	707.5	64QAM	1 1 3	0 5 2	22.90 22.80 22.80	21.19 21.09 21.09	23.34 23.24 23.24	34.77 34.77 34.77	-13.58 -13.68 -13.68
	23173	715.5	64QAM	6 1 1 3	0 0 5 2 0	22.86 22.87 22.88 22.80 22.80	21.15 21.16 21.17 21.09	23.30 23.31 23.32 23.24 23.24	34.77 34.77 34.77 34.77 24.77	-13.62 -13.61 -13.60 -13.68
	23017	699.7	256QAM	6 1 1 3 6	0 0 5 2 0	22.84 22.91 22.88 22.88 22.90	21.13 21.20 21.17 21.17 21.19	23.28 23.35 23.32 23.32 23.32 23.34	34.77 34.77 34.77 34.77 34.77	-13.64 -13.57 -13.60 -13.60 -13.58
1.4	23095	707.5	256QAM	1 1 3	0 5 2	22.83 22.78 22.94	21.12 21.07 <b>21.23</b>	23.27 23.22 23.38	34.77 34.77 34.77	-13.65 -13.70 -13.54
	23173	715.5	256QAM	6 1 1 3	0 0 5 2	22.88 22.91 22.88 22.90 22.87	21.17 21.20 21.17 21.19	23.32 23.35 23.32 23.34 23.31	34.77 34.77 34.77 34.77 34.77	-13.60 -13.57 -13.60 -13.58

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### Report No.: TERF2206000812E2 Page: 40 of 117

Antenna	gain (dBi)	0.44								
			LTE Bar	nd 12_Up	olink frequ	ency band : 69	9 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23025	700.5	QPSK	1 1 8 15	0 14 4 0	22.92 22.80 22.88	21.21 21.09 21.17 21.15	23.36 23.24 23.32 23.32	34.77 34.77 34.77	-13.56 -13.68 -13.60
3	23095	707.5	QPSK	1 1 8	0 14 4	22.86 22.77 22.94 22.83	21.06 <b>21.23</b> 21.12	23.30 23.21 23.38 23.27	34.77 34.77 34.77 34.77	-13.62 -13.71 -13.54 -13.65
	23165	714.5	QPSK	15 1 1 8	0 0 14 4	22.89 22.81 22.91 22.78	21.18 21.10 21.20 21.07	23.33 23.25 23.35 23.22	34.77 34.77 34.77 34.77	-13.59 -13.67 -13.57 -13.70
	23025	700.5	16QAM	15 1 1 8 15	0 0 14 4 0	22.89 22.87 22.91 22.84 22.84	21.18 21.16 21.20 21.13 21.13	23.33 23.31 23.35 23.28 23.28	34.77 34.77 34.77 34.77 34.77 34.77	-13.59 -13.61 -13.57 -13.64 -13.64
3	23095	707.5	16QAM	1 1 1 8 15	0 14 4 0	22.82 22.97 22.95 22.83	21.13 21.11 <b>21.26</b> 21.24 21.12	23.26 23.41 23.39 23.27	34.77 34.77 34.77 34.77 34.77	-13.64 -13.66 -13.51 -13.53 -13.65
	23165	714.5	16QAM	1 1 8 15	0 14 4 0	22.87 22.91 22.79 22.83	21.16 21.20 21.08 21.12	23.31 23.35 23.23 23.27	34.77 34.77 34.77 34.77 34.77	-13.61 -13.57 -13.69 -13.65
	23025	700.5	64QAM	1 1 8 15	0 14 4 0	22.91 22.78 22.86 22.83	21.20 21.07 21.15 21.12	23.35 23.22 23.30 23.27	34.77 34.77 34.77 34.77 34.77	-13.57 -13.70 -13.62 -13.65
3	23095	707.5	64QAM	1 1 8 15	0 14 4 0	22.80 22.84 22.91 22.77	21.09 21.13 21.20 21.06	23.24 23.28 23.35 23.21	34.77 34.77 34.77 34.77	-13.68 -13.64 -13.57 -13.71
	23165	714.5	64QAM	1 1 1 8 15	0 14 4 0	22.97 22.84 22.88 22.90	<b>21.00</b> <b>21.26</b> 21.13 21.17 21.19	23.21 23.41 23.28 23.32 23.32 23.34	34.77 34.77 34.77 34.77 34.77	-13.64 -13.60 -13.58
	23025	700.5	256QAM	1 1 1 8 15	0 14 4 0	22.90 22.89 22.96 22.85 22.87	21.19 21.18 21.25 21.14 21.16	23.34 23.33 23.40 23.29 23.31	34.77 34.77 34.77 34.77 34.77	-13.50 -13.59 -13.63 -13.63 -13.61
3	23095	707.5	256QAM	1 1 1 8 15	0 14 4 0	22.87 22.87 22.91 22.94	21.10 21.16 21.20 21.20 21.23	23.31 23.31 23.35 23.38	34.77 34.77 34.77 34.77 34.77	-13.61 -13.61 -13.57 -13.54
	23165	714.5	256QAM	13 1 1 8 15	0 0 14 4 0	22.94 22.89 22.95 22.96 22.82	21.23 21.18 21.24 <b>21.25</b> 21.11	23.38 23.33 23.40 23.26	34.77 34.77 34.77 34.77 34.77	-13.59 -13.53 -13.52 -13.66

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Antenna	gain (dBi)	0.44								
		•	LTE Bar	nd 12_Up	olink frequ	uency band:69	9 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23035	701.5	QPSK	1 1	0 24	22.82 22.92	21.11 21.21	23.26 23.36	34.77 34.77	-13.66 -13.56
	23033	701.5	QION	12 25	6 0	22.78 22.78	21.07 21.07	23.22 23.22	34.77 34.77	-13.70 -13.70
5	23095	707.5	QPSK	1 1 12	0 24 6	22.86 22.92 22.96	21.15 21.21 <b>21.25</b>	23.30 23.36 23.40	34.77 34.77 34.77	-13.62 -13.56 -13.52
				25 1	0 0	22.90 22.94	21.19 21.23	23.34 23.38	34.77 34.77	-13.58 -13.54
	23155	713.5	QPSK	1 12 25	24 6 0	22.94 22.85 22.83	21.23 21.14 21.12	23.38 23.29 23.27	34.77 34.77 34.77	-13.54 -13.63 -13.65
	23035	701.5	16QAM	1 1 12	0 24 6	22.78 22.88 22.85	21.07 21.17 21.14	23.22 23.32	34.77 34.77 34.77	-13.70 -13.60 -13.63
				12 25 1	6 0 0	22.85 22.85 22.92	21.14 21.14 21.21	23.29 23.29 23.36	34.77 34.77 34.77	-13.63 -13.63 -13.56
5	23095	707.5	16QAM	1 12 25	24 6 0	22.81 22.87 22.81	21.10 21.16 21.10	23.25 23.31 23.25	34.77 34.77 34.77	-13.67 -13.61 -13.67
	23155	713.5	16QAM	1 1	0 24	22.86 22.95	21.15 <b>21.24</b>	23.30 23.39	34.77 34.77	-13.62 -13.53
				12 25 1	6 0 0	22.88 22.90 22.89	21.17 21.19 21.18	23.32 23.34 23.33	34.77 34.77 34.77	-13.60 -13.58 -13.59
	23035	701.5	64QAM	1 12 25	24 6 0	22.92 22.78 22.89	21.21 21.07 21.18	23.36 23.22 23.33	34.77 34.77 34.77	-13.56 -13.70 -13.59
5	23095	707.5	64QAM	1 1 12	0 24 6	22.83 22.90 22.83	21.10 21.12 21.19 21.12	23.27 23.34 23.27	34.77 34.77 34.77 34.77	-13.65 -13.58 -13.65
				25 1	0	22.82 22.79	21.11 21.08	23.26 23.23	34.77 34.77	-13.66 -13.69
	23155	713.5	64QAM	1 12 25	24 6 0	22.93 22.87 22.83	<b>21.22</b> 21.16 21.12	23.37 23.31 23.27	34.77 34.77 34.77	-13.55 -13.61 -13.65
	23035	701.5	256QAM	1 1 12	0 24 6	22.83 22.89 22.84	21.12 21.18 21.13	23.27 23.33 23.28	34.77 34.77 34.77	-13.65 -13.59 -13.64
5	22005	707 5	2560.4M	25 1 1	0 0 24	22.79 22.87 22.86	21.08 21.16 21.15	23.23 23.31 23.30	34.77 34.77 34.77	-13.69 -13.61 -13.62
0	23095	707.5 256QAM	12 25 1	6 0 0	22.86 22.81 22.90	21.15 21.10 21.19	23.30 23.25 23.34	34.77 34.77 34.77	-13.62 -13.67 -13.58	
	23155	713.5	256QAM	1 12	24 6	22.94 22.82	<b>21.23</b> 21.11	23.38 23.26	34.77 34.77	-13.54 -13.66
				25	0	22.82	21.11	23.26	34.77	-13.66

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### Report No.: TERF2206000812E2 Page: 42 of 117

Antenna	gain (dBi)	0.44								
			LTE Bai	nd 12_Up	olink frequ	iency band : 69	9 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23060	704	QPSK	1 1 25 50	0 49 12 0	22.95 22.83 22.82 22.96	21.24 21.12 21.11	23.39 23.27 23.26	34.77 34.77 34.77	-13.53 -13.65 -13.66
10	23095	707.5	QPSK	1 1 25	0 49 12	22.93 22.84 22.79	21.25 21.22 21.13 21.08	23.40 23.37 23.28 23.23	34.77 34.77 34.77 34.77	-13.52 -13.55 -13.64 -13.69
	23130	711	QPSK	50 1 1 25	0 0 49 12	22.83 22.98 22.93 22.94 22.94	21.12 21.27 21.22 21.23	23.27 23.42 23.37 23.38 23.25	34.77 34.77 34.77 34.77 34.77	-13.65 -13.50 -13.55 -13.54
	23060	704	16QAM	50 1 1 25 50	0 0 49 12 0	22.91 22.78 22.81 22.88 22.96	21.20 21.07 21.10 21.17 21.25	23.35 23.22 23.25 23.32 23.40	34.77 34.77 34.77 34.77 34.77	-13.57 -13.70 -13.67 -13.60 -13.52
10	23095	707.5	16QAM	1 1 25 50	0 49 12 0	22.80 22.88 22.93 22.80	21.23 21.09 21.17 21.22 21.09	23.24 23.32 23.37 23.24	34.77 34.77 34.77 34.77 34.77	-13.68 -13.60 -13.55 -13.68
	23130	711	16QAM	1 1 25 50	0 49 12 0	22.92 22.94 22.85 22.89	21.21 21.23 21.14 21.18	23.36 23.38 23.29 23.33	34.77 34.77 34.77 34.77	-13.56 -13.54 -13.63 -13.59
	23060	704	64QAM	1 1 25 50	0 49 12 0	22.88 22.86 22.79 22.87	21.17 21.15 21.08 21.16	23.32 23.30 23.23 23.31	34.77 34.77 34.77 34.77	-13.60 -13.62 -13.69 -13.61
10	23095	707.5	64QAM	1 1 25 50	0 49 12 0	22.93 22.84 22.82 22.96	21.22 21.13 21.11 <b>21.25</b>	23.37 23.28 23.26 23.40	34.77 34.77 34.77 34.77 34.77	-13.55 -13.64 -13.66 -13.52
	23130	711	64QAM	1 1 25 50	0 49 12 0	22.95 22.95 22.92 22.92 22.93	21.24 21.24 21.21 21.21 21.22	23.39 23.39 23.36 23.37	34.77 34.77 34.77 34.77 34.77	-13.53 -13.53 -13.56 -13.55
	23060	704	256QAM	1 1 25 50	0 49 12 0	22.83 22.93 22.89 22.89 22.89	21.22 21.12 21.22 21.18 21.18	23.27 23.37 23.33 23.33	34.77 34.77 34.77 34.77 34.77	-13.65 -13.55 -13.59 -13.59
10	23095	707.5	256QAM	1 1 25 50	0 49 12 0	22.98 22.80 22.78	21.10 21.20 21.27 21.09 21.07	23.35 23.42 23.24 23.22	34.77 34.77 34.77 34.77 34.77	-13.57 -13.50 -13.68 -13.70
	23130	711	256QAM	1 1 25 50	0 49 12 0	22.85 22.94 22.92 22.82	21.14 21.23 21.21 21.11	23.29 23.38 23.36 23.26	34.77 34.77 34.77 34.77 34.77	-13.63 -13.54 -13.56 -13.66

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Antenna	gain (dBi)	-0.46								
			LTE Bar	nd 13_Up	link frequ	uency band : 77	7 to 787 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23205	779.5	QPSK	1 1	0 24	22.85 22.87	20.24 20.26	22.39 22.41	34.77 34.77	-14.53 -14.51
				12 25 1	6 0 0	22.71 22.84 22.74	20.10 20.23 20.13	22.25 22.38 22.28	34.77 34.77 34.77	-14.67 -14.54 -14.64
5	23230	782	QPSK	1 12	24 6	22.81 22.73	20.20 20.12	22.35 22.27	34.77 34.77	-14.57 -14.65
				25 1 1	0 0 24	22.87 22.72 22.85	<b>20.26</b> 20.11 20.24	22.41 22.26 22.39	34.77 34.77 34.77	-14.51 -14.66 -14.53
	23255	784.5	QPSK	12 25	6 0	22.81 22.71	20.20 20.10	22.35 22.25	34.77 34.77 34.77	-14.57 -14.67
	23205	779.5	16QAM	1 1 12	0 24 6	22.71 22.78 22.90	20.10 20.17 <b>20.29</b>	22.25 22.32 22.44	34.77 34.77 34.77	-14.67 -14.60 -14.48
				25 1	0	22.85 22.78	20.24 20.17	22.39 22.32	34.77 34.77	-14.53 -14.60
5	23230	782	16QAM	1 12 25	24 6 0	22.86 22.79 22.89	20.25 20.18 20.28	22.40 22.33 22.43	34.77 34.77 34.77	-14.52 -14.59 -14.49
	23255	784.5	16QAM	1 1 12	0 24 6	22.79 22.85 22.83	20.18 20.24 20.22	22.33 22.39 22.37	34.77 34.77 34.77	-14.59 -14.53 -14.55
				25 1	0	22.82 22.80	20.21 20.19	22.36 22.34	34.77 34.77	-14.56 -14.58
	23205	779.5	64QAM	1 12 25	24 6 0	22.80 22.74 22.80	20.19 20.13 20.19	22.34 22.28 22.34	34.77 34.77 34.77	-14.58 -14.64 -14.58
5	23230	782	64QAM	1 1 12	0 24 6	22.86 22.79 22.89	20.25 20.18 <b>20.28</b>	22.40 22.33 22.43	34.77 34.77 34.77	-14.52 -14.59 -14.49
	23255	784.5	64QAM	25 1 1	0 0 24	22.74 22.81 22.81	20.13 20.20 20.20	22.28 22.35 22.35	34.77 34.77 34.77	-14.64 -14.57 -14.57
				12 25 1	6 0 0	22.88 22.89 22.85	20.27 20.28 20.24	22.42 22.43 22.39	34.77 34.77 34.77	-14.50 -14.49 -14.53
	23205	779.5	256QAM	1 12 25	24 6 0	22.90 22.84 22.77	<b>20.29</b> 20.23 20.16	22.44 22.38 22.31	34.77 34.77 34.77	-14.48 -14.54 -14.61
5	23230	782	256QAM	1 1 12	0 0 24 6	22.74 22.78 22.89	20.10 20.13 20.17 20.28	22.31 22.28 22.32 22.43	34.77 34.77 34.77 34.77	-14.61 -14.64 -14.60 -14.49
			050000	25 1 1	0 0 24	22.81 22.89 22.84	20.20 20.28 20.23	22.35 22.43 22.38	34.77 34.77 34.77	-14.57 -14.49 -14.54
	23255	784.5	256QAM	12 25	6 0	22.75 22.82	20.14 20.21	22.29 22.36	34.77 34.77	-14.63 -14.56

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Antenna	gain (dBi)	-0.46									
			LTE Bar	nd 13_Up	link freq	uency band : 77	'7 to 787 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)	
				1	0	22.91	20.30	22.45	34.77	-14.47	
10	23230	782	QPSK	1	49	22.74	20.13	22.28	34.77	-14.64	
10	23230	102	QFSK	25	12	22.73	20.12	22.27	34.77	-14.65	
				50	0	22.82	20.21	22.36	34.77	-14.56	
				1	0	22.87	20.26	22.41	34.77	-14.51	
10	22220	782	782	16QAM	1	49	22.89	20.28	22.43	34.77	-14.49
10	10 23230		TOQAM	25	12	22.77	20.16	22.31	34.77	-14.61	
				50	0	22.87	20.26	22.41	34.77	-14.51	
				1	0	22.86	20.25	22.40	34.77	-14.52	
10	23230	782	64QAM	1	49	22.80	20.19	22.34	34.77	-14.58	
10	23230	702	04QAM	25	12	22.87	20.26	22.41	34.77	-14.51	
				50	0	22.76	20.15	22.30	34.77	-14.62	
				1	0	22.85	20.24	22.39	34.77	-14.53	
10	10 23230 782		1	49	22.80	20.19	22.34	34.77	-14.58		
10		782 2	256QAM –	25	12	22.90	20.29	22.44	34.77	-14.48	
				50	0	22.87	20.26	22.41	34.77	-14.51	

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### Report No.: TERF2206000812E2 Page: 45 of 117

Antenna	gain (dBi)	-0.61								
			LTE Bar	nd 14_Up	olink frequ	uency band:78	8 to 798 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23305	790.5	QPSK	1 1 12 25	0 24 6 0	22.77 22.74 22.89 22.77	20.01 19.98 <b>20.13</b> 20.01	22.16 22.13 22.28 22.16	34.77 34.77 34.77 34.77 34.77	-14.76 -14.79 -14.64 -14.76
5	23330	793	QPSK	1 1 12	0 24 6	22.85 22.86 22.87	20.09 20.10 20.11	22.24 22.25 22.26	34.77 34.77 34.77	-14.68 -14.67 -14.66
	23355	795.5	QPSK	25 1 1 12 25	0 0 24 6 0	22.87 22.79 22.89 22.80 22.83	20.11 20.03 <b>20.13</b> 20.04 20.07	22.26 22.18 22.28 22.19 22.22	34.77 34.77 34.77 34.77 34.77 34.77	-14.66 -14.74 -14.64 -14.73 -14.70
	23305	790.5	16QAM	1 1 12 25	0 24 6 0	22.83 22.89 22.82 22.76 22.86	20.07 20.13 20.06 20.00 20.10	22.22 22.28 22.21 22.15 22.25	34.77 34.77 34.77 34.77 34.77	-14.70 -14.64 -14.71 -14.77 -14.67
5	23330	793	16QAM	1 1 12 25	0 24 6 0	22.94 22.96 22.98 22.98	20.10 20.10 20.18 20.20 20.22	22.25 22.33 22.35 22.37	34.77 34.77 34.77 34.77 34.77	-14.67 -14.59 -14.57 -14.55
	23355	795.5	16QAM	1 1 12 25	0 24 6 0	22.87 22.76 22.81 22.80	20.11 20.00 20.05 20.04	22.26 22.15 22.20 22.19	34.77 34.77 34.77 34.77	-14.66 -14.77 -14.72 -14.73
	23305	790.5	64QAM	1 1 12 25	0 24 6 0	22.79 22.73 22.71 22.70	20.03 19.97 19.95 19.94	22.18 22.12 22.10 22.09	34.77 34.77 34.77 34.77	-14.74 -14.80 -14.82 -14.83
5	23330	793	64QAM	1 1 12 25	0 24 6 0	22.91 22.89 22.90 22.92	20.15 20.13 20.14 20.16	22.30 22.28 22.29 22.31	34.77 34.77 34.77 34.77 34.77	-14.62 -14.64 -14.63 -14.61
	23355	795.5	64QAM	1 1 12 25	0 24 6 0	22.32 22.77 22.75 22.75 22.81	20.10 20.01 19.99 19.99 20.05	22.16 22.14 22.14 22.20	34.77 34.77 34.77 34.77 34.77	-14.01 -14.76 -14.78 -14.78 -14.72
	23305	790.5	256QAM	1 1 12 25	0 24 6 0	22.76 22.73 22.78 22.81	20.00 20.00 19.97 20.02 20.05	22.15 22.12 22.17 22.20	34.77 34.77 34.77 34.77 34.77	-14.72 -14.77 -14.80 -14.75 -14.72
5	23330	793	256QAM	1 1 12 25	0 24 6 0	22.93 22.90 22.96 22.91	20.17 20.14 <b>20.20</b> 20.15	22.32 22.29 22.35 22.30	34.77 34.77 34.77 34.77 34.77	-14.60 -14.63 -14.57 -14.62
	23355	795.5	256QAM	1 1 12 25	0 24 6 0	22.87 22.87 22.89 22.75	20.11 20.11 20.13 19.99	22.26 22.26 22.28 22.14	34.77 34.77 34.77 34.77 34.77	-14.66 -14.66 -14.64 -14.78

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Antenna	gain (dBi)	-0.61									
			LTE Bar	nd 14_Up	link freq	uency band:78	8 to 798 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)	
				1	0	22.99	20.23	22.38	34.77	-14.54	
10	23330	793	QPSK	1	49	22.90	20.14	22.29	34.77	-14.63	
10	23330	793	QPSK	25	12	22.85	20.09	22.24	34.77	-14.68	
				50	0	22.95	20.19	22.34	34.77	-14.58	
				1	0	22.93	20.17	22.32	34.77	-14.60	
10	23330	793	16QAM	16QAM	1	49	22.92	20.16	22.31	34.77	-14.61
10	10 23330 793	100		25	12	22.84	20.08	22.23	34.77	-14.69	
				50	0	22.98	20.22	22.37	34.77	-14.55	
				1	0	22.81	20.05	22.20	34.77	-14.72	
10	23330	793	64QAM	1	49	22.80	20.04	22.19	34.77	-14.73	
10	20000	100	UTQAW	25	12	22.94	20.18	22.33	34.77	-14.59	
				50	0	22.93	20.17	22.32	34.77	-14.60	
			256QAM -	1	0	22.91	20.15	22.30	34.77	-14.62	
10	23330	703		1	49	22.95	20.19	22.34	34.77	-14.58	
10	10 23330	793 256QAM -	25	12	22.88	20.12	22.27	34.77	-14.65		
				50	0	22.87	20.11	22.26	34.77	-14.66	

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### Report No.: TERF2206000812E2 Page: 47 of 117

Antenna	gain (dBi)	0.49								
			LTE Bai	nd 17_Up	olink frequ	ency band : 70	4 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23755	706.5	QPSK	1 1 12 25	0 24 6 0	22.87 22.98 22.79 22.84	21.21 21.32 21.13 21.18	23.36 23.47 23.28 23.33	34.77 34.77 34.77	-13.56 -13.45 -13.64 13.50
5	23790	710	QPSK	1 1 12	0 24 6	22.95 22.88 22.83	21.29 21.22 21.17	23.44 23.37 23.32	34.77 34.77 34.77 34.77	-13.59 -13.48 -13.55 -13.60
	23825	713.5	QPSK	25 1 1 12	0 0 24 6	22.90 22.84 22.86 22.79	21.24 21.18 21.20 21.13	23.39 23.33 23.35 23.28	34.77 34.77 34.77 34.77	-13.53 -13.59 -13.57 -13.64
	23755	706.5	16QAM	25 1 1 12 25	0 0 24 6 0	22.84 22.86 22.94 22.97 22.97	21.18 21.20 21.28 <b>21.31</b> <b>21.31</b>	23.33 23.35 23.43 23.46 23.46	34.77 34.77 34.77 34.77 34.77	-13.59 -13.57 -13.49 -13.46 -13.46
5	23790	710	16QAM	1 1 12 25	0 24 6 0	22.87 22.84 22.86 22.84 22.97	21.31 21.18 21.20 21.18 21.31	23.33 23.35 23.33 23.46	34.77 34.77 34.77 34.77 34.77	-13.59 -13.57 -13.59 -13.46
	23825	713.5	16QAM	1 1 12 25	0 24 6 0	22.94 22.87 22.79 22.90	21.28 21.21 21.13 21.24	23.43 23.36 23.28 23.39	34.77 34.77 34.77 34.77 34.77	-13.49 -13.56 -13.64 -13.53
	23755	706.5	64QAM	1 1 12 25	0 24 6 0	22.80 22.81 22.87 22.80	21.20 21.15 21.21 21.14	23.35 23.30 23.36 23.29	34.77 34.77 34.77 34.77 34.77	-13.57 -13.62 -13.56 -13.63
5	23790	710	64QAM	1 1 12 25	0 24 6 0	22.93 22.94 22.95	21.19 21.27 21.28 21.29	23.23 23.34 23.42 23.43 23.43 23.44	34.77 34.77 34.77 34.77 34.77	-13.58 -13.50 -13.49 -13.48
	23825	713.5	64QAM	1 1 12 25	0 24 6 0	22.93 22.91 22.86 22.84 22.88	21.25 21.25 21.20 21.18 21.22	23.44 23.40 23.35 23.33 23.37	34.77 34.77 34.77 34.77 34.77	-13.52 -13.57 -13.59 -13.55
	23755	706.5	256QAM	1 1 12 25	0 24 6 0	22.88 22.93 22.88 22.90	21.22 21.22 21.27 21.22 21.22 21.24	23.37 23.42 23.37 23.37 23.39	34.77 34.77 34.77 34.77 34.77	-13.55 -13.50 -13.55 -13.55 -13.53
5	23790	710	256QAM	1 1 12 25	0 24 6 0	22.81 22.82 22.78 22.83	21.15 21.16 21.12 21.17	23.30 23.31 23.27 23.32	34.77 34.77 34.77 34.77 34.77	-13.62 -13.61 -13.65 -13.60
	23825	713.5	256QAM	1 1 12 25	0 24 6 0	22.91 22.80 22.91 22.82	21.25 21.14 21.25 21.16	23.40 23.29 23.40 23.31	34.77 34.77 34.77 34.77 34.77	-13.52 -13.63 -13.52 -13.61

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### Report No.: TERF2206000812E2 Page: 48 of 117

Antenna	gain (dBi)	0.49								
			LTE Bai	nd 17_Up	olink frequ	ency band : 70	4 to 716 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	23780	709	QPSK	1 1 25 50	0 49 12 0	22.99 22.81 22.82 22.88	<b>21.33</b> 21.15 21.16 21.22	23.48 23.30 23.31 23.37	34.77 34.77 34.77 24.77	-13.44 -13.62 -13.61 12.55
10	23790	710	QPSK	1 1 25	0 49 12	22.98 22.98 22.94	21.32 21.32 21.28	23.47 23.47 23.43	34.77 34.77 34.77 34.77	-13.55 -13.45 -13.45 -13.49
	23800	711	QPSK	50 1 1 25	0 0 49 12 0	22.90 22.97 22.90 22.92 22.92	21.24 21.31 21.24 21.26	23.39 23.46 23.39 23.41 23.41	34.77 34.77 34.77 34.77	-13.53 -13.46 -13.53 -13.51
	23780	709	16QAM	50 1 1 25 50	0 0 49 12 0	22.96 22.94 22.86 22.97 22.85	21.30 21.28 21.20 <b>21.31</b> 21.19	23.45 23.43 23.35 23.46 23.34	34.77 34.77 34.77 34.77 34.77	-13.47 -13.49 -13.57 -13.46 -13.58
10	23790	710	16QAM	1 1 25 50	0 49 12 0	22.83 22.82 22.79 22.91 22.88	21.13 21.16 21.13 21.25 21.22	23.34 23.28 23.40 23.37	34.77 34.77 34.77 34.77 34.77	-13.61 -13.64 -13.52 -13.55
	23800	711	16QAM	1 1 25 50	0 49 12 0	22.94 22.78 22.94 22.94 22.93	21.28 21.12 21.28 21.27	23.43 23.27 23.43 23.42	34.77 34.77 34.77 34.77	-13.49 -13.65 -13.49 -13.50
	23780	709	64QAM	1 1 25 50	0 49 12 0	22.96 22.85 22.93 22.82	<b>21.30</b> 21.19 21.27 21.16	23.45 23.34 23.42 23.31	34.77 34.77 34.77 34.77	-13.47 -13.58 -13.50 -13.61
10	23790	710	64QAM	1 1 25 50	0 49 12 0	22.87 22.90 22.96 22.84	21.21 21.24 <b>21.30</b> 21.18	23.36 23.39 23.45 23.33	34.77 34.77 34.77 34.77	-13.56 -13.53 -13.47 -13.59
	23800	711	64QAM	1 1 25 50	0 49 12 0	22.93 22.95 22.95	21.16 21.27 21.29 21.29	23.31 23.42 23.44 23.44	34.77 34.77 34.77 34.77 34.77	-13.61 -13.50 -13.48 -13.48
	23780	709	256QAM	1 1 25 50	0 49 12 0	22.90 22.80 22.84 22.90	21.24 21.14 21.18 21.24	23.39 23.29 23.33 23.39	34.77 34.77 34.77 34.77 34.77	-13.53 -13.63 -13.59 -13.53
10	23790	710	256QAM	1 1 25 50	0 49 12 0	22.95 22.82 22.86 22.86	21.29 21.16 21.20 21.20	23.44 23.31 23.35 23.35	34.77 34.77 34.77 34.77	-13.48 -13.61 -13.57 -13.57
	23800	711	256QAM	1 1 25 50	0 49 12 0	22.80 22.89 22.96 22.96 22.89	21.23 21.30 21.30 21.23	23.38 23.45 23.45 23.38	34.77 34.77 34.77 34.77 34.77	-13.54 -13.47 -13.47 -13.54

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Antenna	gain (dBi)	0.54							
			LTE Band 25_U	plink freq	luency ba	and : 1850 to 191	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.00	20.54	33	-12.46
	26047	1850.7	QPSK	1	5	19.93	20.47	33	-12.53
	20047	1030.7	QPOK	3	2	19.90	20.44	33	-12.56
				6	0	19.87	20.41	33	-12.59
				1	0	20.10	20.64	33	-12.36
1.4	26365	1882.5	OPSK	1	5	19.84	20.38	33	-12.62
1.4		1002.0	- Gron	3	2	20.01	20.55	33	-12.45
				6	0	20.00	20.54	33	-12.46
				1	0	19.98	20.52	33	-12.48
	26683	1914.3	OPSK	1	5	19.95	20.49	33	-12.51
			ar set	3	2	20.06	20.60	33	-12.4
				6	0	20.07	20.61	33	-12.39
				1	0	19.98	20.52	33	-12.48
	26047	1850.7	16QAM	1	5	20.04	20.58	33	-12.42
				3	2	19.93	20.47	33	-12.53
				6	0	20.05	20.59	33	-12.41
				1	0	20.05	20.59	33	-12.41
1.4	26365	1882.5	16QAM	1	5	20.00	20.54	33	-12.46
			1000	3	2	19.91	20.45	33	-12.55
				6	0	19.96	20.50	33	-12.5
				1	0	19.96	20.50	33	-12.5
	26683	1914.3	16QAM	1	5	19.97	20.51	33	-12.49
		10100		3	2	20.07	20.61	33	-12.39
				6	0	19.96	20.50	33	-12.5
				1	0	20.02	20.56	33	-12.44
	26047	1850.7	64QAM	1	5	20.09	20.63	33	-12.37
				3	2	20.00	20.54	33	-12.46
				6	0	19.91	20.45	33	-12.55
				1	0	20.05	20.59	33	-12.41
1.4	26365	1882.5	64QAM	1	5	20.02	20.56	33	-12.44
				3	2	20.01	20.55	33	-12.45
				6	0	20.04	20.58	33	-12.42
				1	0	19.99	20.53	33	-12.47
	26683	1914.3	64QAM	1	5	20.05	20.59	33	-12.41
				3	2	19.93	20.47	33	-12.53
				6	0	19.87	20.41	33	-12.59
				1	0	20.01	20.55	33	-12.45
	26047	1850.7	256QAM	1	5	20.03	20.57	33	-12.43
				3	2	20.00	20.54	33	-12.46
				6	0	19.92	20.46	33	-12.54
				1	0	19.98	20.52	33	-12.48
1.4	26365	1882.5	256QAM	1	5	19.96	20.50	33	-12.5
				3	2	20.02	20.56	33	-12.44
				6	0	19.92	20.46	33	-12.54
				1	0	19.88	20.42	33	-12.58
	26683	1914.3	256QAM	1	5	20.02	20.56	33	-12.44
				3	2	19.90	20.44	33	-12.56
				6	0	19.99	20.53	33	-12.47

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Antenna	gain (dBi)	0.54							
			LTE Band 25_U	plink freq	luency ba	and : 1850 to 191	5 MHz		
BW	UL	Frequency	Modulation	RB	RB	Conducted Average	EIRP Average	EIRP Limit	Margin
(MHz)	Channel	(MHz)	The second second	Size	Offset	(dBm)	(dBm)	(dBm)	(dB)
				1	0	20.06	20.60	33	-12.4
	26055	1851.5	OPSK	1	14	19.96	20.50	33	-12.5
	20000	1001.0	- GP-OK	8	4	19.94	20.48	33	-12.52
				15	0	19.90	20.44	33	-12.56
				1	0	20.12	20.66	33	-12.34
3	26365	1882.5	OPSK	1	14	19.85	20.39	33	-12.61
		1002.0	di cit	8	4	20.03	20.57	33	-12.43
				15	0	20.04	20.58	33	-12.42
				1	0	19.99	20.53	33	-12.47
	26675	1913.5	OP5K	1	14	19.97	20.51	33	-12.49
				8	4	20.12	20.66	33	-12.34
				15	0	20.11	20.65	33	-12.35
				1	0	20.02	20.56	33	-12.44
	26055	1851.5	16QAM	1	14	20.10	20.64	33	-12.36
				8	4	19.94	20.48	33	-12.52
				15	0	20.07	20.61	33	-12.39
				1	0	20.10	20.64	33	-12.36
3	26365	1882.5	160AM	1	14	19.99	20.53	33	-12.47
				8	4	19.97	20.51	33	-12.49
				15	0	20.00	20.54	33	-12.46
				1	0	19.96	20.50	33	-12.5
	26675	1913.5	16QAM	1	14	20.02	20.56	33	-12.44
		1510.0		8	4	20.11	20.65	33	-12.35
				15	0	19.97	20.51	33	-12.49
				1	0	20.01	20.55	33	-12.45
	26055	1851.5	64QAM	1	14	20.08	20.62	33	-12.38
				8	4	20.08	20.62	33	-12.38
				15	0	19.90	20.44	33	-12.56
				1	0	20.10	20.64	33	-12.36
3	26365	1882.5	64QAM	1	14	20.09	20.63	33	-12.37
				8	4	20.03	20.57	33	-12.43
				15	0	20.02	20.56	33	-12.44
				1	0	20.01	20.55	33	-12.45
	26675	1913.5	64QAM	1	14	20.09	20.63	33	-12.37
				8	4	19.94	20.48	33	-12.52
				15	0	19.95	20.49	33	-12.51
				1	0	20.04	20.58	33	-12.42
	26055	1851.5	256QAM	1	14	20.05	20.59	33	-12.41
				8	4	20.06	20.60	33	-12.4
				15	0	19.97	20.51	33	-12.49
				1	0	20.03	20.57	33	-12.43
3	26365	1882.5	256QAM	1	14	20.00	20.54	33	-12.46
				8	4	20.04	20.58	33	-12.42
				15	0	19.94	20.48	33	-12.52
				1	0	19.90	20.44	33	-12.56
	26675	1913.5	256QAM	1	14	20.12	20.66	33	-12.34
				8	4	19.91	20.45	33	-12.55
				15	0	20.02	20.56	33	-12.44

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Antenna	gain (dBi)	0.54	]						
		•	LTE Band 25_U	plink freq	luency ba	and : 1850 to 191	5 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.05	20.59	33	-12.41
	26065	1852.5	QP5K	1	24	19.96	20.50	33	-12.5
				12	6	19.93	20.47	33	-12.53
				25	0	19.95	20.49	33	-12.51
				1	0 24	20.16	20.70	33 33	-12.3
5	26365	1882.5	QP5K	12	6	20.09	20.44	33	-12.30
				25	0	20.09	20.63	33	-12.37
				1	0	20.00	20.52	33	-12.30
				1	24	19.98	20.52	33	-12.48
	26665	1912.5	QP5K	12	6	20.12	20.66	33	-12.34
				25	ō	20.13	20.67	33	-12.33
				1	0	19.99	20.53	33	-12.47
				1	24	20.07	20.61	33	-12.39
	26065	1852.5	16QAM	12	6	19.97	20.51	33	-12.49
				25	0	20.09	20.63	33	-12.37
				1	0	20.11	20.65	33	-12.35
				1	24	20.03	20.57	33	-12.43
5	26365	1882.5	16QAM	12	6	20.00	20.54	33	-12.46
				25	0	20.01	20.55	33	-12.45
				1	0	19.99	20.53	33	-12.47
	~~~~	1010.5		1	24	20.05	20.59	33	-12.41
	26665	1912.5	16QAM	12	6	20.09	20.63	33	-12.37
				25	0	19.99	20.53	33	-12.47
				1	0	20.06	20.60	33	-12.4
	26065	1852.5	64QAM	1	24	20.12	20.66	33	-12.34
	20000	1032.5	044000	12	6	20.03	20.57	33	-12.43
				25	0	19.94	20.48	33	-12.52
				1	0	20.10	20.64	33	-12.36
5	26365	1882.5	64QAM	1	24	20.08	20.62	33	-12.38
-				12	6	20.00	20.54	33	-12.46
				25	0	20.06	20.60	33	-12.4
				1	0	20.03	20.57	33	-12.43
	26665	1912.5	64QAM	1	24	20.11	20.65	33	-12.35
				12	6	19.93	20.47	33	-12.53
				25	0	19.94	20.48	33	-12.52
				1	0	20.04	20.58	33	-12.42
	26065	1852.5	256QAM	1	24	20.04	20.58	33	-12.42
				12	6	20.03	20.57	33	-12.43
				25	0	19.99	20.53	33	-12.47
				1	0	20.02	20.56	33	-12.44
5	26365	1882.5	256QAM	1	24	19.98	20.52	33	-12.48
				12 25	6	20.07	20.61	33 33	-12.39
				1	0	19.95	20.49 20.48	33	-12.51 -12.52
				1	24	20.11	20.40	33	-12.32
	26665	1912.5	256QAM	12	6	19.90	20.03	33	-12.55
				25	0	20.05	20.44	33	-12.30
				20	•	20.00	20.05	30	16.91

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Antenna	gain (dBi)	0.54							
			LTE Band 25_Up	plink freq	luency ba	nd : 1850 to 191	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.09	20.63	33	-12.37
	26090	1855	QPSK	1	49	19.99	20.53	33	-12.47
	20050	1000	QF-UK	25	12	20.00	20.54	33	-12.46
				50	0	20.01	20.55	33	-12.45
				1	0	20.19	20.73	33	-12.27
10	26365	1882.5	OPSK	1	49	19.95	20.49	33	-12.51
				25	12	20.15	20.69	33	-12.31
				50	0	20.13	20.67	33	-12.33
				1	0	20.09	20.63	33	-12.37
	26640	1910	OPSK	1	49	20.05	20.59	33	-12.41
				25	12	20.15	20.69	33	-12.31
				50	0	20.11	20.65	33	-12.35
				1	0	20.07	20.61	33	-12.39
	26090	1855	16QAM	1	49	20.13	20.67	33	-12.33
				25	12	20.04	20.58	33	-12.42
				50	0	20.14	20.68	33	-12.32
				1	0	20.15	20.69	33	-12.31
10	26365	1882.5	16QAM	1	49	20.07	20.61	33	-12.39
				25	12	20.06	20.60	33	-12.4
				50	0	20.06	20.60	33	-12.4
				1	0	20.08	20.62	33	-12.38
	26640	1910	16QAM	1	49	20.10	20.64	33	-12.36
				25	12	20.17	20.71	33	-12.29
				50	0	20.08	20.62	33	-12.38
				1	0	20.09	20.63	33	-12.37
	26090	1855	64QAM	1	49	20.15	20.69	33	-12.31
				25	12	20.10	20.64	33	-12.36
				50	0	20.02	20.56	33	-12.44
				1	0	20.16	20.70	33	-12.3
10	26365	1882.5	64QAM	1	49	20.16	20.70	33	-12.3
				25	12	20.11	20.65	33	-12.35
				50	0	20.10	20.64	33	-12.36
				1	0	20.12	20.66	33	-12.34
	26640	1910	64QAM	1	49	20.16	20.70	33	-12.3
				25	12	19.98	20.52	33	-12.48
				50	0	20.01	20.55	33	-12.45
				1	0	20.09	20.63	33	-12.37
	26090	1855	256QAM	1	49	20.11	20.65	33	-12.35
				25	12	20.10	20.64	33	-12.36
				50	0	20.07	20.61	33	-12.39
				1	0	20.08	20.62	33	-12.38
10	26365	1882.5	256QAM	1	49	20.05	20.59	33	-12.41
				25	12	20.12	20.66	33	-12.34
				50	0	20.03	20.57	33	-12.43
				1	0	20.00	20.54	33	-12.46
	26640	1910	256QAM	1	49	20.20	20.74	33	-12.26
				25	12	19.96	20.50	33	-12.5
				50	0	20.08	20.62	33	-12.38

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neo aoin (dBi)

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0.54

Antenna	gain (dBi)	0.54							
			LTE Band 25_U	plink freq	juency ba	ind : 1850 to 191	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average	EIRP Limit	Margin (dB)
(min <del>z</del> )	Channel	(10112)				(dBm)	(dBm)	(dBm)	
				1	0	20.10	20.64	33	-12.36
	26115	1857.5	QP5K	1	74	19.98	20.52	33	-12.48
				36	18	20.00	20.54	33	-12.46
				75	0	20.03	20.57	33	-12.43
				1	0	20.21	20.75	33	-12.25
15	26365	1882.5	QP5K	1	74	19.92	20.46	33	-12.54
				36	18	20.12	20.66	33	-12.34
				75	0	20.13	20.67	33 33	-12.33
				1	0	20.17	20.71		-12.29
	26615	1907.5	QP5K	36	18	20.00	20.54 20.72	33 33	-12.46
				75	0	20.10	20.72	33	-12.28
				1	0	20.03	20.65	33	-12.35
				1	74	20.03	20.57	33	-12.43
	26115	1857.5	16QAM	36	18	20.14	20.66	33	-12.32
				75	0	20.01	20.55	33	-12.45
				1	0	20.11	20.65	33	-12.35
				1	74	20.13	20.67	33	-12.33
15	26365	1882.5	16QAM	36	18	20.07	20.61	33	-12.39
				75	0	20.03	20.57	33	-12.45
				1	0	20.05	20.65	33	-12.35
				1	74	20.09	20.53	33	-12.41
	26615	1907.5	16QAM	36	18	20.05	20.69	33	-12.37
				75	0	20.13	20.65	33	-12.39
				1	0	20.12	20.66	33	-12.34
				1	74	20.12	20.71	33	-12.29
	26115	1857.5	64QAM	36	18	20.10	20.64	33	-12.36
				75	0	19.98	20.52	33	-12.48
				1	0	20.15	20.69	33	-12.31
				1	74	20.18	20.72	33	-12.28
15	26365	1882.5	64QAM	36	18	20.11	20.65	33	-12.35
				75	0	20.11	20.65	33	-12.35
				1	0	20.09	20.63	33	-12.37
				1	74	20.13	20.67	33	-12.33
	26615	1907.5	64QAM	36	18	20.00	20.54	33	-12.46
				75	0	19.97	20.51	33	-12.49
				1	0	20.11	20.65	33	-12.35
		40000		1	74	20.12	20.66	33	-12.34
	26115	1857.5	256QAM	36	18	20.09	20.63	33	-12.37
				75	0	20.01	20.55	33	-12.45
				1	0	20.09	20.63	33	-12.37
45	20205	1000 5	2550411	1	74	20.07	20.61	33	-12.39
15	26365	1882.5	256QAM	36	18	20.11	20.65	33	-12.35
				75	0	20.00	20.54	33	-12.46
				1	0	19.98	20.52	33	-12.48
	26616	1907.5	256QAM	1	74	20.17	20.71	33	-12.29
	26615	1907.5	2004/11	36	18	20.00	20.54	33	-12.46
				75	0	20.09	20.63	33	-12.37

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neo aoin (dBi)

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0.54

Antenna	gain (dBi)	0.54							
			LTE Band 25_U	plink freq	luency ba	nd : 1850 to 191	5 MHz		
BW	UL	Frequency	Modulation	RB	RB	Conducted Average	EIRP Average	EIRP Limit	Margin
(MHz)	Channel	(MHz)		Size	Offset	(dBm)	(dBm)	(dBm)	(dB)
				1	0	20.22	20.76	33	-12.24
	26140	1860	QPSK	1	99	20.01	20.55	33	-12.45
	20140	1000	QP-DK	50	25	19.99	20.53	33	-12.47
				100	0	19.99	20.53	33	-12.47
				1	0	20.24	20.78	33	-12.22
20	26365	1882.5	QP5K	1	99	19.92	20.46	33	-12.54
		1002.0	di on	50	25	20.10	20.64	33	-12.36
				100	0	20.08	20.62	33	-12.38
				1	0	20.18	20.72	33	-12.28
	26590	1905	OPSK	1	99	20.05	20.59	33	-12.41
			di cit	50	25	20.11	20.65	33	-12.35
				100	0	20.16	20.70	33	-12.3
				1	0	20.07	20.61	33	-12.39
	26140	1860	16QAM	1	99	20.18	20.72	33	-12.28
	20140		1000pmin	50	25	20.05	20.59	33	-12.41
				100	0	20.14	20.68	33	-12.32
				1	0	20.15	20.69	33	-12.31
20	26365	1882.5	16QAM	1	99	20.07	20.61	33	-12.39
20	20000	1002.0	100philli	50	25	20.05	20.59	33	-12.41
				100	0	20.09	20.63	33	-12.37
				1	0	20.03	20.57	33	-12.43
	26590	1905	16QAM	1	99	20.09	20.63	33	-12.37
	20050	1900	10424141	50	25	20.19	20.73	33	-12.27
				100	0	20.06	20.60	33	-12.4
				1	0	20.14	20.68	33	-12.32
	26140	1860	64QAM	1	99	20.17	20.71	33	-12.29
	20140	1000	04000	50	25	20.13	20.67	33	-12.33
				100	0	19.97	20.51	33	-12.49
				1	0	20.18	20.72	33	-12.28
20	26365	1882.5	64QAM	1	99	20.17	20.71	33	-12.29
20	20000	1002.0	04000	50	25	20.11	20.65	33	-12.35
				100	0	20.08	20.62	33	-12.38
				1	0	20.10	20.64	33	-12.36
	26590	1905	64QAM	1	99	20.16	20.70	33	-12.3
	20090	1900	0440/400	50	25	20.01	20.55	33	-12.45
				100	0	19.99	20.53	33	-12.47
				1	0	20.12	20.66	33	-12.34
	26140	1860	256QAM	1	99	20.10	20.64	33	-12.36
	20140	1000	20040411	50	25	20.12	20.66	33	-12.34
				100	0	20.06	20.60	33	-12.4
				1	0	20.09	20.63	33	-12.37
20	26365	1882.5	256QAM	1	99	20.07	20.61	33	-12.39
20	20303	1002.0	200404	50	25	20.12	20.66	33	-12.34
				100	0	20.00	20.54	33	-12.46
				1	0	20.00	20.54	33	-12.46
	26500	1005	256QAM	1	99	20.22	20.76	33	-12.24
	26590	1905	2000,411	50	25	19.98	20.52	33	-12.48
				100	0	20.13	20.67	33	-12.33

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### Report No.: TERF2206000812E2 Page: 55 of 117

Antenna	gain (dBi)	-0.7								
			LTE Bar	nd 26_Up	olink frequ	uency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	26797	824.7	QPSK	1 1 3	0 5 2	21.82 21.76 21.74	18.97 18.91 18.89	21.12 21.06 21.04	38.45 38.45 38.45 38.45	-19.48 -19.54 -19.56
1.4	26915	836.5	QPSK	6 1 1 3	0 0 5 2	21.79 21.73 21.89 21.76	18.94 18.88 <b>19.04</b> 18.91	21.09 21.03 21.19 21.06	38.45 38.45 38.45 38.45	-19.51 -19.57 -19.41 -19.54
	27033	848.3	QPSK	6 1 1 3	0 0 5 2	21.87 21.83 21.86 21.83	19.02 18.98 19.01 18.98	21.17 21.13 21.16 21.13	38.45 38.45 38.45 38.45	-19.43 -19.47 -19.44 -19.47
	26797	824.7	16QAM	6 1 1 3	0 0 5 2	21.72 21.71 21.88 21.71	18.87 18.86 19.03 18.86	21.02 21.01 21.18 21.01	38.45 38.45 38.45 38.45 38.45	-19.58 -19.59 -19.42 -19.59
1.4	26915	836.5	16QAM	6 1 1 3	0 0 5 2	21.81 21.90 21.71 21.77	18.96 <b>19.05</b> 18.86 18.92	21.11 21.20 21.01 21.07	38.45 38.45 38.45 38.45	-19.49 -19.40 -19.59 -19.53
	27033	848.3	16QAM	6 1 1 3 6	0 0 5 2 0	21.74 21.77 21.81 21.71 21.87	18.89 18.92 18.96 18.86 19.02	21.04 21.07 21.11 21.01 21.17	38.45 38.45 38.45 38.45 28.45	-19.56 -19.53 -19.49 -19.59 10.42
	26797	824.7	64QAM	1 1 3 6	0 0 5 2 0	21.87 21.72 21.76 21.87 21.86	13.02 18.87 18.91 19.02 19.01	21.17 21.02 21.06 21.17 21.16	38.45 38.45 38.45 38.45 38.45 38.45	-19.43 -19.58 -19.54 -19.43 -19.44
1.4	26915	836.5	64QAM	1 1 3 6	0 5 2 0	21.80 21.82 21.88 21.72 21.87	13.01 18.97 19.03 18.87 19.02	21.10 21.12 21.18 21.02 21.17	38.45 38.45 38.45 38.45 38.45	-19.44 -19.48 -19.42 -19.58 -19.43
	27033	848.3	64QAM	0 1 1 3 6	0 0 5 2 0	21.87 21.82 21.73 21.78 21.77	18.02 18.97 18.88 18.93 18.92	21.17 21.12 21.03 21.08 21.07	38.45 38.45 38.45	-19.48 -19.57 -19.52
	26797	824.7	256QAM	6 1 1 3 6	0 0 5 2 0	21.77 21.83 21.89 21.84 21.84	18.92 18.98 19.04 18.99 18.99	21.07 21.13 21.19 21.14 21.14	38.45 38.45 38.45 38.45 38.45 38.45	-19.53 -19.47 -19.41 -19.46 -19.46
1.4	26915	836.5	256QAM	0 1 1 3 6	0 0 5 2 0	21.84 21.74 21.82 21.86 21.84	18.99 18.89 18.97 19.01 18.99	21.14 21.04 21.12 21.16 21.14	38.45 38.45 38.45 38.45 38.45	-19.46 -19.56 -19.48 -19.44 -19.46
	27033	848.3	256QAM	0 1 1 3 6	0 0 5 2 0	21.84 21.80 21.81 21.84 21.75	18.99 18.95 18.96 18.99 18.90	21.14 21.10 21.11 21.14 21.05	38.45 38.45 38.45 38.45 38.45	-19.46 -19.49 -19.46 -19.55

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Antenna	gain (dBi)	-0.7								
			LTE Bar	nd 26_Up	link frequ	uency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	26805	825.5	QPSK	1	0 14	21.77 21.88	18.92 <b>19.03</b>	21.07 21.18	38.45 38.45	-19.53 -19.42
				8 15 1	4 0 0	21.72 21.85 21.71	18.87 19.00 18.86	21.02 21.15 21.01	38.45 38.45 38.45	-19.58 -19.45 -19.59
3	26915	836.5	QPSK	1 8	14 4	21.86 21.82	19.01 18.97	21.16 21.12	38.45 38.45	-19.44 -19.48
				15 1	0 0 14	21.73 21.84	18.88 18.99	21.03 21.14 21.01	38.45 38.45 38.45	-19.57 -19.46
	27025	847.5	QPSK	1 8 15	14 4 0	21.71 21.83 21.81	18.86 18.98 18.96	21.01 21.13 21.11	38.45 38.45 38.45	-19.59 -19.47 -19.49
	26805	825.5	16QAM	1 1	0 14	21.80 21.86	18.95 19.01	21.10 21.16	38.45 38.45	-19.50 -19.44
				8 15 1	4 0 0	21.80 21.75 21.74	18.95 18.90 18.89	21.10 21.05 21.04	38.45 38.45 38.45	-19.50 -19.55 -19.56
3	26915	836.5	16QAM	1 8 15	14 4 0	21.83 21.84 21.70	18.98 18.99 18.85	21.13 21.14 21.00	38.45 38.45 38.45	-19.47 -19.46 -19.60
	27025	847.5	16QAM	10 1 1	0 0 14	21.70 21.70 21.90	18.85 <b>19.05</b>	21.00 21.00 21.20	38.45 38.45	-19.60 -19.60 -19.40
	21025	047.5		8 15 1	4 0 0	21.71 21.80 21.81	18.86 18.95 18.96	21.01 21.10 21.11	38.45 38.45 38.45	-19.59 -19.50 -19.49
	26805	825.5	64QAM	1 8	14 4	21.85 21.77	19.00 18.92	21.15 21.07	38.45 38.45	-19.45 -19.53
				15 1 1	0 0 14	21.87 21.87 21.80	<b>19.02</b> <b>19.02</b> 18.95	21.17 21.17 21.10	38.45 38.45 38.45	-19.43 -19.43 -19.50
3	26915	836.5	64QAM	8 15	4 0	21.87 21.71	<b>19.02</b> 18.86	21.17 21.01	38.45 38.45	-19.43 -19.59
	27025	847.5	64QAM	1 1 8	0 14 4	21.86 21.74 21.82	19.01 18.89 18.97	21.16 21.04 21.12	38.45 38.45 38.45	-19.44 -19.56 -19.48
				15 1 1	0 0 14	21.72 21.86 21.74	18.87 19.01 18.89	21.02 21.16 21.04	38.45 38.45 38.45	-19.58 -19.44 -19.56
	26805	825.5	256QAM	8 15	4 0	21.73 21.88	18.88 <b>19.03</b>	21.03 21.18	38.45 38.45	-19.57 -19.42
3	26915	836.5	256QAM	1 1 8	0 14 4	21.77 21.81 21.72	18.92 18.96 18.87	21.07 21.11 21.02	38.45 38.45 38.45	-19.53 -19.49 -19.58
	07005	047 5	050000	15 1 1	0 0 14	21.72 21.81 21.74	18.87 18.96 18.89	21.02 21.11 21.04	38.45 38.45 38.45	-19.58 -19.49 -19.56
	27025	847.5	256QAM	8 15	4 0	21.88 21.74	<b>19.03</b> 18.89	21.18 21.04	38.45 38.45	-19.42 -19.56

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Antenna	gain (dBi)	-0.7								
			LTE Bar	nd 26_Up	link frequ	uency band:82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	26815	826.5	QPSK	1	0 24	21.78 21.82	18.93 18.97	21.08 21.12	38.45 38.45	-19.52 -19.48
				12 25 1	6 0 0	21.80 21.82 21.79	18.95 18.97 18.94	21.10 21.12 21.09	38.45 38.45 38.45	-19.50 -19.48 -19.51
5	26915	836.5	QPSK	1 12	24 6	21.90 21.74	<b>19.05</b> 18.89	21.20 21.04	38.45 38.45	-19.40 -19.56
				25 1 1	0 0 24	21.75 21.77 21.86	18.90 18.92 19.01	21.05 21.07 21.16	38.45 38.45 38.45	-19.55 -19.53 -19.44
	27015	846.5	QPSK	12 25	6 0	21.81 21.88	18.96 19.03	21.11 21.18	38.45 38.45	-19.49 -19.42
	26815	826.5	16QAM	1 1 12	0 24 6	21.87 21.71 21.80	19.02 18.86 18.95	21.17 21.01 21.10	38.45 38.45 38.45	-19.43 -19.59 -19.50
				25 1	0	21.86 21.86	19.01 19.01	21.16 21.16	38.45 38.45	-19.44 -19.44
5	26915	836.5	16QAM	1 12 25	24 6 0	21.86 21.80 21.89	19.01 18.95 19.04	21.16 21.10 21.19	38.45 38.45 38.45	-19.44 -19.50 -19.41
	27015	846.5	16QAM	1 1 12	0 24 6	21.85 21.90 21.70	19.00 <b>19.05</b> 18.85	21.15 21.20 21.00	38.45 38.45 38.45	-19.45 -19.40 -19.60
				25 1	0	21.83 21.88	18.98 <b>19.03</b>	21.00 21.13 21.18	38.45 38.45	-19.00 -19.47 -19.42
	26815	826.5	64QAM	1 12 25	24 6 0	21.83 21.72 21.85	18.98 18.87 19.00	21.13 21.02 21.15	38.45 38.45 38.45	-19.47 -19.58 -19.45
5	26915	836.5	64QAM	1 1	0 24	21.81 21.72	18.96 18.87	21.11 21.02	38.45 38.45	-19.49 -19.58
				12 25 1	6 0 0	21.71 21.78 21.77	18.86 18.93 18.92	21.01 21.08 21.07	38.45 38.45 38.45	-19.59 -19.52 -19.53
	27015	846.5	64QAM	1 12 25	24 6 0	21.85 21.82 21.74	19.00 18.97 18.89	21.15 21.12 21.04	38.45 38.45 38.45	-19.45 -19.48 -19.56
	26815	826.5	256QAM	1 1	0 24	21.88 21.74	<b>19.03</b> 18.89	21.04 21.18 21.04	38.45 38.45	-19.42 -19.56
				12 25 1	6 0 0	21.82 21.84 21.86	18.97 18.99 19.01	21.12 21.14 21.16	38.45 38.45 38.45	-19.48 -19.46 -19.44
5	26915	836.5	256QAM	1 12 25	24 6 0	21.76 21.74 21.85	18.91 18.89 19.00	21.06 21.04 21.15	38.45 38.45 38.45	-19.54 -19.56 -19.45
	27015	846.5	256QAM	1 1	0 24	21.85 21.86 21.88	19.00 19.01 <b>19.03</b>	21.15 21.16 21.18	38.45 38.45	-19.44 -19.42
	21013	0.0		12 25	6 0	21.86 21.70	19.01 18.85	21.16 21.00	38.45 38.45	-19.44 -19.60

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Antenna	gain (dBi)	-0.7								
			LTE Bar	nd 26_Up	olink frequ	uency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	26840	829	QPSK	1 1 25	0 49 12	21.85 21.82 21.75	19.00 18.97 18.90	21.15 21.12 21.05	38.45 38.45 38.45 38.45	-19.45 -19.48 -19.55
10	26915	836.5	QPSK	50 1 1 25	0 0 49 12	21.75 21.74 21.90 21.75	18.90 18.89 <b>19.05</b> 18.90	21.05 21.04 21.20 21.05	38.45 38.45 38.45 38.45	-19.55 -19.56 -19.40 -19.55
	26990	844	QPSK	50 1 1	0 0 49	21.81 21.85 21.74	18.96 19.00 18.89	21.00 21.11 21.15 21.04	38.45 38.45 38.45 38.45	-19.49 -19.45 -19.56
	20330	044	Uron .	25 50 1	12 0 0	21.82 21.85 21.87	18.97 19.00 19.02	21.12 21.15 21.17	38.45 38.45 38.45	-19.48 -19.45 -19.43
	26840	829	16QAM	1 25 50	49 12 0 0	21.89 21.80 21.71 21.71	<b>19.04</b> 18.95 18.86 18.86	21.19 21.10 21.01	38.45 38.45 38.45 38.45	-19.41 -19.50 -19.59 -19.59
10	26915	836.5	16QAM	1 1 25 50	0 49 12 0	21.71 21.82 21.72 21.79	18.97 18.87 18.94	21.01 21.12 21.02 21.09	38.45 38.45 38.45 38.45	-19.59 -19.48 -19.58 -19.51
	26990	844	16QAM	1 1 25	0 49 12	21.84 21.76 21.73	18.99 18.91 18.88	21.14 21.06 21.03	38.45 38.45 38.45	-19.46 -19.54 -19.57
	26840	829	64QAM	50 1 1 25	0 0 49 12	21.77 21.74 21.72 21.87	18.92 18.89 18.87 19.02	21.07 21.04 21.02 21.17	38.45 38.45 38.45 38.45	-19.53 -19.56 -19.58 -19.43
10	26915	836.5	64QAM	50 1 1 25	0 0 49 12	21.72 21.85 21.79 21.83	18.87 19.00 18.94 18.98	21.02 21.15 21.09 21.13	38.45 38.45 38.45 38.45	-19.58 -19.45 -19.51 -19.47
	26990	844	64QAM	50 1 1 25	0 0 49 12	21.88 21.80 21.71 21.84	<b>19.03</b> 18.95 18.86 18.99	21.18 21.10 21.01 21.14	38.45 38.45 38.45 38.45	-19.42 -19.50 -19.59 -19.46
	26840	829	256QAM	50 1 1 25	0 0 49 12	21.79 21.78 21.80 21.80	18.94 18.93 18.95 18.95	21.09 21.08 21.10 21.10	38.45 38.45 38.45 38.45 38.45	-19.51 -19.52 -19.50 -19.50
10	26915	836.5	256QAM	50 1 1	0 0 49	21.79 21.90 21.82	18.94 <b>19.05</b> 18.97	21.09 21.20 21.12	38.45 38.45 38.45	-19.51 -19.40 -19.48
	26000	044	2560414	25 50 1 1	12 0 0 49	21.73 21.88 21.75 21.80	18.88 19.03 18.90 18.95	21.03 21.18 21.05 21.10	38.45 38.45 38.45 38.45	-19.57 -19.42 -19.55 -19.50
	26990	844	256QAM	25 50	12 0	21.87 21.78	19.02 18.93	21.17 21.08	38.45 38.45	-19.43 -19.52

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Antenna	gain (dBi)	-0.7								
			LTE Bar	nd 26_Up	link frequ	uency band : 82	4 to 849 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
	26865	831.5	QPSK	1 1 36	0 74 18	21.88 21.72	19.03 18.87	21.18 21.02	38.45 38.45	-19.42 -19.58
				75 1	0	21.80 21.72 21.91	18.95 18.87 <b>19.06</b>	21.10 21.02 21.21	38.45 38.45 38.45	-19.50 -19.58 -19.39
15	26915	836.5	QPSK	1 36 75	74 18 0	21.88 21.87 21.73	19.03 19.02 18.88	21.18 21.17 21.03	38.45 38.45 38.45	-19.42 -19.43 -19.57
	26965	841.5	QPSK	1 1 36	0 74 18	21.73 21.87 21.73 21.83	19.02 18.88 18.98	21.03 21.17 21.03 21.13	38.45 38.45 38.45	-19.43 -19.57 -19.47
				75 1	0	21.71 21.87	18.86 19.02	21.01 21.17	38.45 38.45	-19.59 -19.43
	26865	831.5	16QAM	1 36 75	74 18 0	21.84 21.72 21.87	18.99 18.87 19.02	21.14 21.02 21.17	38.45 38.45 38.45	-19.46 -19.58 -19.43
15	26915	836.5	16QAM	1 1 36 75	0 74 18 0	21.79 21.88 21.74 21.76	18.94 <b>19.03</b> 18.89 18.91	21.09 21.18 21.04 21.06	38.45 38.45 38.45 38.45	-19.51 -19.42 -19.56 -19.54
	26965	841.5	16QAM	75 1 1 36	0 0 74 18	21.76 21.78 21.76 21.87	18.91 18.93 18.91 19.02	21.06 21.08 21.06 21.17	38.45 38.45 38.45 38.45	-19.54 -19.52 -19.54 -19.43
				75 1	0 0	21.76 21.74	18.91 18.89	21.06 21.04	38.45 38.45	-19.54 -19.56
	26865	831.5	64QAM	1 36 75	74 18 0	21.75 21.87 21.74	18.90 19.02 18.89	21.05 21.17 21.04	38.45 38.45 38.45	-19.55 -19.43 -19.56
15	26915	836.5	64QAM	1 1 36 75	0 74 18 0	21.76 21.75 21.88 21.88	18.91 18.90 <b>19.03</b> <b>19.03</b>	21.06 21.05 21.18 21.18	38.45 38.45 38.45 38.45	-19.54 -19.55 -19.42 -19.42
	26965	841.5	64QAM	1 1 36	0 74 18	21.87 21.76 21.81	19.03 19.02 18.91 18.96	21.10 21.17 21.06 21.11	38.45 38.45 38.45 38.45	-19.42 -19.43 -19.54 -19.49
	26865	831.5	256QAM	75 1 1	0 0 74	21.84 21.82 21.89	18.99 18.97 <b>19.04</b>	21.14 21.12 21.19	38.45 38.45 38.45	-19.46 -19.48 -19.41
			2000/111	36 75 1	18 0 0	21.78 21.82 21.80	18.93 18.97 18.95	21.08 21.12 21.10	38.45 38.45 38.45	-19.52 -19.48 -19.50
15	26915	836.5	256QAM	1 36 75	74 18 0	21.80 21.73 21.73	18.95 18.88 18.88	21.10 21.03 21.03	38.45 38.45 38.45	-19.50 -19.57 -19.57
	26965	841.5	256QAM	1 1 36	0 74 18	21.80 21.87 21.83	18.95 19.02 18.98	21.10 21.17 21.13	38.45 38.45 38.45	-19.50 -19.43 -19.47
				75	0	21.86	19.01	21.16	38.45	-19.44

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Antenna	gain (dBi)	-0.7								
			Part 90S_LT	E Band 2	6_Uplink	frequency band	d : 814 to 824 M	Hz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	21.82	18.97	21.12	50	-31.03
	26697	814.7	QPSK	1	5	21.71	18.86	21.01	50	-31.14
	20037	014.7	QION	3	2	21.64	18.79	20.94	50	-31.21
				6	0	21.73	18.88	21.03	50	-31.12
				1	0	21.81	18.96	21.11	50	-31.04
1.4	26740	819	QPSK	1	5	21.72	18.87	21.02	50	-31.13
	20110	0.0		3	2	21.65	18.80	20.95	50	-31.20
				6	0	21.71	18.86	21.01	50	-31.14
				1	0	21.79	18.94	21.09	50	-31.06
	26783	823.3	QPSK	1	5	21.75	18.90	21.05	50	-31.10
				3	2	21.61	18.76	20.91	50	-31.24
				6	0	21.70	18.85	21.00	50	-31.15
				1	0	21.75	18.90	21.05	50	-31.10
	26697	814.7	16QAM	1	5	21.74	18.89	21.04	50	-31.11
		-		3	2	21.71	18.86	21.01	50	-31.14
				6	0	21.81	18.96	21.11	50	-31.04
				1	0	21.71	18.86	21.01	50	-31.14
1.4	26740	819	16QAM	1	5	21.69	18.84	20.99	50	-31.16
				3	2	21.68	18.83	20.98	50	-31.17
				6	0	21.79	18.94	21.09	50	-31.06
				1	0	21.69	18.84	20.99	50	-31.16
	26783	823.3	16QAM	1	5	21.70	18.85	21.00	50	-31.15
				3	2	21.69	18.84	20.99	50	-31.16
				6	0	21.78	18.93	21.08	50	-31.07
				1	0	21.75	18.90	21.05	50	-31.10
	26697	814.7	64QAM	1	5	21.79	18.94	21.09	50	-31.06
				3	2	21.65	18.80	20.95	50	-31.20
				6	0	21.76	18.91	21.06	50	-31.09
				1	0	21.77	18.92	21.07	50	-31.08
1.4	26740	819	64QAM	1	5	21.81	18.96	21.11	50	-31.04
				3	2	21.66	18.81	20.96	50	-31.19
				6	0	21.77	18.92	21.07	50	-31.08
				1	0	21.76	18.91	21.06	50	-31.09
	26783	823.3	64QAM	1	5	21.80	18.95	21.10	50	-31.05
				3	2	21.67	18.82	20.97	50	-31.18
				6	0	21.77	18.92	21.07	50	-31.08
				1	0	21.72	18.87	21.02	50	-31.13
	26697	814.7	256QAM	1	5	21.68	18.83	20.98	50	-31.17
				3	2	21.79	18.94	21.09	50	-31.06
				6	0	21.73	18.88	21.03	50	-31.12
				1	0	21.71	18.86	21.01	50	-31.14
1.4	26740	819	256QAM	1	5	21.69	18.84	20.99	50	-31.16
				3	2	21.76	18.91	21.06	50	-31.09
				6	0	21.75	18.90	21.05	50	-31.10
				1	0	21.73	18.88	21.03	50	-31.12
	26783	823.3	256QAM	1	5	21.71	18.86	21.01	50	-31.14
				3	2	21.77 21.74	18.92 18.89	21.07 21.04	50 50	-31.08 -31.11

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Antenna	gain (dBi)	-0.7								
		•	Part 90S_LT	E Band 2	6_Uplink	frequency band	I : 814 to 824 M	Hz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	21.78	18.93	21.08	50	-31.07
	26705	815.5	QPSK	1	14	21.71	18.86	21.01	50	-31.14
	20100	010.0	QION	8	4	21.77	18.92	21.07	50	-31.08
				15	0	21.81	18.96	21.11	50	-31.04
				1	0	21.81	18.96	21.11	50	-31.04
3	26740	819	QPSK	1	14	21.73	18.88	21.03	50	-31.12
				8	4	21.79	18.94	21.09	50	-31.06
				15	0	21.82	18.97	21.12	50	-31.03
				1	0	21.82	18.97	21.12	50	-31.03
	26775	822.5	QPSK	1	14	21.72	18.87	21.02	50	-31.13
				8	4	21.79	18.94	21.09	50	-31.06
	ļ			15	0	21.83	18.98	21.13	50 50	-31.02
				1	0	21.68	18.83	20.98	50 50	-31.17
	26705	815.5	16QAM	1	14	21.78	18.93	21.08		-31.07
				8	4	21.67	18.82	20.97	50 50	-31.18
				15	0	21.80	<b>18.95</b>	21.10	50 50	-31.05 -31.19
				1	0 14	21.66	18.81	20.96	50 50	
3	26740	819	16QAM	1		21.74	18.89	21.04	50 50	-31.11
				8	4	21.66	18.81	20.96	50 50	-31.19
				15	0	21.77 21.64	18.92 18.79	21.07 20.94	50	-31.08 -31.21
				1	14	21.64	18.79	20.94	50	-31.21
	26775	822.5	16QAM	1 8					50	
				0 15	4	21.68 21.76	18.83 18.91	20.98 21.06	50	-31.17 -31.09
				15	0	21.76	18.79	21.06	50	-31.09
				1	14	21.64	18.79 18.97	20.94	50	-31.03
	26705	815.5	64QAM	8	4	21.62	18.79	20.94	50	-31.03
				15	4	21.04	18.86	20.94	50	-31.21
				13	0	21.62	18.77	20.92	50	-31.23
				1	14	21.81	18.96	20.32	50	-31.04
3	26740	819	64QAM	8	4	21.66	18.81	20.96	50	-31.19
				15	0	21.74	18.89	21.04	50	-31.13
				10	0	21.61	18.76	20.91	50	-31.24
				1	14	21.79	18.94	21.09	50	-31.06
	26775	822.5	64QAM	8	4	21.64	18.79	20.94	50	-31.21
				15	0	21.73	18.88	21.03	50	-31.12
	<u> </u>			1	0	21.70	18.89	21.00	50	-31.11
		<b>a</b> 4 = -		1	14	21.74	18.89	21.04	50	-31.11
	26705	815.5	256QAM	8	4	21.67	18.82	20.97	50	-31.18
				15	0	21.77	18.92	21.07	50	-31.08
				1	0	21.73	18.88	21.03	50	-31.12
<u>^</u>	007/0	040	050000	1	14	21.72	18.87	21.02	50	-31.13
3	26740	819	256QAM	8	4	21.62	18.77	20.92	50	-31.23
				15	0	21.77	18.92	21.07	50	-31.08
				1	0	21.74	18.89	21.04	50	-31.11
	00775	000 5	0500.014	1	14	21.73	18.88	21.03	50	-31.12
	26775	822.5	256QAM	8	4	21.63	18.78	20.93	50	-31.22
			15	0	21.76	18.91	21.06	50	-31.09	

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Antenna	gain (dBi)	-0.7								
		L	Part 90S_LT	E Band 2	6_Uplink	frequency band	I : 814 to 824 M	Hz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	21.71	18.86	21.01	50	-31.14
	26715	816.5	QPSK	1	24	21.80	18.95	21.10	50	-31.05
	20110	010.0	QION	12	6	21.79	18.94	21.09	50	-31.06
				25	0	21.66	18.81	20.96	50	-31.19
				1	0	21.67	18.82	20.97	50	-31.18
5	26740	819	QPSK	1	24	21.81	18.96	21.11	50	-31.04
				12	6	21.80	18.95	21.10	50	-31.05
				25	0	21.65	18.80	20.95	50	-31.20
				1	0	21.72	18.87	21.02	50	-31.13
	26765	821.5	QPSK	1	24	21.81	18.96	21.11	50	-31.04
				12	6	21.78	18.93	21.08	50	-31.07
	ļ			25	0	21.65	18.80	20.95	50	-31.20
				1	0	21.81	18.96	21.11	50 50	-31.04
	26715	816.5	16QAM	1	24	21.73	18.88	21.03		-31.12
				12	6	21.71	18.86	21.01	50	-31.14
				25	0	21.82	18.97	21.12	50	-31.03
				1	0	21.79	18.94	21.09	50	-31.06
5	26740	819	16QAM	1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.76	18.91	21.06	50 50	-31.09
				25	0	21.81	18.96	21.11	50 50	-31.04 -31.05
				1	24	21.80 21.74	18.95 18.89	21.10 21.04	50 50	-31.05
	26765	821.5	16QAM	1 12					50	
				25	6 0	21.77	18.92 18.98	21.07	50	-31.08 -31.02
				25	0	21.83 21.78	18.93	21.13 21.08	50	-31.02
				1	24	21.76	18.89	21.00	50	-31.07
	26715	816.5	64QAM	12	6	21.74	18.79	21.04	50	-31.21
				25	0	21.04	18.86	20.94	50	-31.14
				1	0	21.77	18.92	21.07	50	-31.08
				1	24	21.79	18.94	21.07	50	-31.06
5	26740	819	64QAM	12	6	21.65	18.80	20.95	50	-31.20
				25	0	21.73	18.88	21.03	50	-31.12
				1	0	21.73	18.89	21.03	50	-31.12
				1	24	21.74	18.89	21.04	50	-31.11
	26765	821.5	64QAM	12	6	21.66	18.81	20.96	50	-31.19
				25	0	21.70	18.86	21.01	50	-31.14
				1	0	21.68	18.83	20.98	50	-31.17
	6 6 <b>7</b> / -	a (a -		1	24	21.76	18.91	21.06	50	-31.09
	26715	816.5	256QAM	12	6	21.78	18.93	21.08	50	-31.07
				25	0	21.81	18.96	21.11	50	-31.04
	<u> </u>			1	0	21.65	18.80	20.95	50	-31.20
~	00740	040	0500.004	1	24	21.74	18.89	21.04	50	-31.11
5	5 26740	819	256QAM	12	6	21.75	18.90	21.05	50	-31.10
				25	0	21.77	18.92	21.07	50	-31.08
				1	0	21.63	18.78	20.93	50	-31.22
	06705	004 5	0500 444	1	24	21.72	18.87	21.02	50	-31.13
	26765	821.5	256QAM	12	6	21.74	18.89	21.04	50	-31.11
			25	0	21.76	18.91	21.06	50	-31.09	

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Antenna	gain (dBi)	-0.7								
			Part 90S_LTI	E Band 2	6_Uplink	frequency band	d : 814 to 824 M	Hz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	21.70	18.85	21.00	50	-31.15
10	26740	819	QPSK	1	49	21.80	18.95	21.10	50	-31.05
10	20740	019	QPSK	25	12	21.77	18.92	21.07	50	-31.08
				50	0	21.67	18.82	20.97	50	-31.18
				1	0	21.82	18.97	21.12	50	-31.03
10	26740	819	16QAM -	1	49	21.66	18.81	20.96	50	-31.19
10	26740 819	TOQAW	25	12	21.83	18.98	21.13	50	-31.02	
				50	0	21.69	18.84	20.99	50	-31.16
				1	0	21.72	18.87	21.02	50	-31.13
10	26740	819	64QAM	1	49	21.70	18.85	21.00	50	-31.15
10	20140	010	UTQAN	25	12	21.74	18.89	21.04	50	-31.11
				50	0	21.74	18.89	21.04	50	-31.11
				1	0	21.81	18.96	21.11	50	-31.04
10	10 26740 819	2500414	1	49	21.76	18.91	21.06	50	-31.09	
10		819 256QAM		25	12	21.68	18.83	20.98	50	-31.17
			50	0	21.67	18.82	20.97	50	-31.18	

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Antenna	gain (dBi)	-1.37							
		L	TE Band 30_Up	link freq	uency ba	nd : 2305 to 231	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
				1	0	19.99	18.62	24	-5.38
	27685	2307.5	QPSK	1	24	19.77	18.40	24	-5.6
	27005	2307.3	QFON	12	6	19.88	18.51	24	-5.49
				25	0	19.79	18.42	24	-5.58
				1	0	20.03	18.66	24	-5.34
5	27710	2310	QPSK	1	24	19.81	18.44	24	-5.56
0	21110	2010	QION	12	6	19.86	18.49	24	-5.51
				25	0	19.82	18.45	24	-5.55
				1	0	20.02	18.65	24	-5.35
	27735	2312.5	QPSK	1	24	19.82	18.45	24	-5.55
	21100	2012.0	QION	12	6	19.84	18.47	24	-5.53
				25	0	19.86	18.49	24	-5.51
				1	0	19.94	18.57	24	-5.43
	27685	2307.5	16QAM	1	24	19.88	18.51	24	-5.49
	27000	2507.5	IUQAIN	12	6	19.95	18.58	24	-5.42
				25	0	19.92	18.55	24	-5.45
				1	0	19.92	18.55	24	-5.45
5	27710	2310	16QAM	1	24	19.83	18.46	24	-5.54
5	21110	2310	IUQAW	12	6	19.92	18.55	24	-5.45
				25	0	19.96	18.59	24	-5.41
				1	0	19.92	18.55	24	-5.45
	27735	2312.5	160AM	1	24	19.85	18.48	24	-5.52
	21155	2512.5	16QAM	12	6	19.96	18.59	24	-5.41
				25	0	19.91	18.54	24	-5.46
				1	0	19.81	18.44	24	-5.56
	27685	2307.5	64QAM	1	24	19.96	18.59	24	-5.41
	27000	2507.5		12	6	19.94	18.57	24	-5.43
				25	0	19.79	18.42	24	-5.58
				1	0	19.78	18.41	24	-5.59
5	27710	2310	64QAM	1	24	19.97	18.60	24	-5.4
5	21110	2010		12	6	19.97	18.60	24	-5.4
				25	0	19.82	18.45	24	-5.55
				1	0	19.81	18.44	24	-5.56
	27735	2312.5	64QAM	1	24	19.92	18.55	24	-5.45
	21100	2012.0		12	6	19.95	18.58	24	-5.42
				25	0	19.88	18.51	24	-5.49
				1	0	19.94	18.57	24	-5.43
	27685	2307.5	256QAM	1	24	19.89	18.52	24	-5.48
	21000	2001.0	2000/TIM	12	6	19.97	18.60	24	-5.4
				25	0	19.97	18.60	24	-5.4
				1	0	19.93	18.56	24	-5.44
5	27710	2310	256QAM	1	24	19.93	18.56	24	-5.44
0	5 27710 2310	2000/101	12	6	19.96	18.59	24	-5.41	
				25	0	19.93	18.56	24	-5.44
				1	0	19.95	18.58	24	-5.42
	27735	2312.5	256QAM	1	24	19.92	18.55	24	-5.45
	21100	2012.0	2000/TIM	12	6	19.96	18.59	24	-5.41
				25	0	19.92	18.55	24	-5.45

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Antenna	gain (dBi)	-1.37							
		L	TE Band 30_Up	link freq	uency ba	nd : 2305 to 231	5 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
				1	0	20.07	18.70	24.00	-5.30
10	27710	2310	QPSK	1	49	19.84	18.47	24.00	-5.53
10	27710	2010	QI UK	25	12	19.88	18.51	24.00	-5.49
				50	0	19.88	18.51	24.00	-5.49
				1	0	20.02	18.65	24.00	-5.35
10	27710	2310	160AM	1	49	19.88	18.51	24.00	-5.49
10	21110	2010	16QAM -	25	12	19.98	18.61	24.00	-5.39
				50	0	20.01	18.64	24.00	-5.36
				1	0	19.88	18.51	24.00	-5.49
10	27710	2310	64QAM	1	49	20.00	18.63	24.00	-5.37
10	21110	2010		25	12	19.98	18.61	24.00	-5.39
				50	0	19.89	18.52	24.00	-5.48
				1	0	20.03	18.66	24.00	-5.34
10	27710	2310	2560AM	1	49	19.96	18.59	24.00	-5.41
10	10 27710 2310	256QAM -	25	12	19.97	18.60	24.00	-5.40	
				50	0	19.97	18.60	24.00	-5.40

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Antenna	gain (dBi)	-2.33							
		L	TE Band 38_Up	link freq	uency ba	nd : 2570 to 262	20 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
	07775	0570 5	000/	1	0 24	19.09 19.06	16.76 16.73	33 33	-16.24 -16.27
	37775	2572.5	QPSK	12 25	6 0	19.02 19.11	16.69 16.78	33 33	-16.31 -16.22
5	38000	2595	QPSK	1 1 12	0 24 6	19.02 19.16 18.99	16.69 <b>16.83</b> 16.66	33 33 33	-16.31 -16.17 -16.34
				25 1	0	19.04 19.03	16.70 16.70	33 33	-16.34 -16.29 -16.3
	38225	2617.5	QPSK	1 12 25	24 6 0	19.12 19.04 19.13	16.79 16.71 16.80	33 33 33	-16.21 -16.29 -16.2
	27775	0570 E	160 ^ \ \	25 1 1	0 0 24	19.13 19.17 19.10	16.80 16.77	33 33 33	-16.2 -16.16 -16.23
1	37775	2572.5	16QAM	12 25	6 0	19.05 19.13	16.72 16.80	33 33	-16.28 -16.2
5	38000	2595	16QAM	1 1 12	0 24 6	19.13 19.04 18.97	16.80 16.71 16.64	33 33 33	-16.2 -16.29 -16.36
	38225	2617.5		25 1 1	0 0 24	19.16 19.05 19.09	16.83 16.72 16.76	33 33 33	-16.17 -16.28 -16.24
	00220	2011.0		12 25 1	6 0 0	19.00 19.04 19.08	16.67 16.71 16.75	33 33 33	-16.33 -16.29 -16.25
	37775	2572.5	64QAM	1 12 25	24 6 0	19.11 19.11 19.05	16.78 16.78 16.72	33 33 33 33	-16.22 -16.22 -16.28
5	38000	2595	64QAM	1	0 24	19.13 19.14	16.80 16.81	33 33	-16.2 -16.19
Ũ		2000		12 25 1	6 0 0	19.08 19.13 19.00	16.75 16.80 16.67	33 33 33	-16.25 -16.2 -16.33
	38225	2617.5	64QAM	1 12 25	24 6 0	19.05 19.16 19.02	16.07 16.72 16.83 16.69	33 33 33 33	-16.28 -16.17 -16.31
	37775	2572.5	256QAM	1 1	0 24	19.16 19.08	<b>16.83</b> 16.75	33 33	-16.17 -16.25
				12 25 1	6 0 0	19.04 19.13 19.08	16.71 16.80 16.75	33 33 33	-16.29 -16.2 -16.25
5	38000	2595	256QAM	1 12 25	24 6 0	18.99 19.09 19.06	16.66 16.76 16.73	33 33 33	-16.34 -16.24 -16.27
	38005	2617 5	25604M	1 1	0 0 24	19.13 19.03	16.80 16.70	33 33	-16.2 -16.3
	38225 2617.5	256QAM	12 25	6 0	19.10 19.02	16.77 16.69	33 33	-16.23 -16.31	

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Antenna	gain (dBi)	-2.33							
		L	TE Band 38_Up	link freq	uency ba	nd : 2570 to 262	20 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	19.07	16.74	33	-16.26
	37800	2575	QPSK	1	49	19.04	16.71	33	-16.29
	37800	2575	QPSK	25	12	19.00	16.67	33	-16.33
				50	0	18.98	16.65	33	-16.35
				1	0	19.10	16.77	33	-16.23
10	38000	2595	QPSK	1	49	18.99	16.66	33	-16.34
10	50000	2000	QION	25	12	19.12	16.79	33	-16.21
				50	0	19.07	16.74	33	-16.26
				1	0	19.00	16.67	33	-16.33
	38200	2615	QPSK	1	49	19.02	16.69	33	-16.31
	00200	2010	QI OIT	25	12	18.99	16.66	33	-16.34
				50	0	19.00	16.67	33	-16.33
				1	0	19.01	16.68	33	-16.32
	37800	2575	16QAM	1	49	19.09	16.76	33	-16.24
	07000	2010	1002/101	25	12	19.04	16.71	33	-16.29
				50	0	19.08	16.75	33	-16.25
				1	0	19.02	16.69	33	-16.31
10	38000	2595	16QAM	1	49	19.10	16.77	33	-16.23
10	00000	2000	1002/101	25	12	19.17	16.84	33	-16.16
				50	0	19.08	16.75	33	-16.25
			16QAM	1	0	19.10	16.77	33	-16.23
	38200	2615		1	49	19.03	16.70	33	-16.3
	00200	2010		25	12	18.98	16.65	33	-16.35
				50	0	18.99	16.66	33	-16.34
				1	0	19.11	16.78	33	-16.22
	37800	2575	64QAM	1	49	19.10	16.77	33	-16.23
	0.000	2010	0.00.00	25	12	19.07	16.74	33	-16.26
				50	0	19.12	16.79	33	-16.21
				1	0	19.10	16.77	33	-16.23
10	38000	2595	64QAM	1	49	19.01	16.68	33	-16.32
				25	12	18.98	16.65	33	-16.35
				50	0	19.15	16.82	33	-16.18
				1	0	19.16	16.83	33	-16.17
	38200	2615	64QAM	1	49	19.08	16.75	33	-16.25
				25	12	18.98	16.65	33	-16.35
				50	0	19.00	16.67	33	-16.33
				1	0	19.16	16.83	33	-16.17
	37800	2575	256QAM	1	49	19.16	16.83	33	-16.17
				25	12	19.01	16.68	33	-16.32
	L			50	0	19.11	16.78	33	-16.22
				1	0	19.16	16.83	33	-16.17
10	38000	2595	256QAM	1	49	19.03	16.70	33 33	-16.3
	10 38000 2595		25	12	18.99	16.66		-16.34	
				50	0	19.13	16.80	33	-16.2
				1	0	18.98	16.65	33	-16.35
	38200	2615	256QAM	1 25	49 12	19.15 19.12	16.82 16.79	33 33	-16.18 -16.21
				50	0	19.15	16.82	33	-16.18

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Antenna	gain (dBi)	-2.33																		
		L	TE Band 38_Up	link freq	uency ba	nd : 2570 to 262	20 MHz													
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)											
				1	0	19.21	16.88	33	-16.12											
	37825	2577.5	QPSK	1	74	19.13	16.80	33	-16.2											
	57025	2511.5	QFOR	36	19	19.04	16.71	33	-16.29											
				75	0	19.00	16.67	33	-16.33											
				1	0	19.10	16.77	33	-16.23											
15	38000	2595	QPSK	1	74	19.01	16.68	33	-16.32											
10	00000	2000	QION	36	19	19.12	16.79	33	-16.21											
				75	0	19.02	16.69	33	-16.31											
				1	0	19.18	16.85	33	-16.15											
	38175	2612.5	QPSK	1	74	18.97	16.64	33	-16.36											
	00170	2012.0	QION	36	19	19.02	16.69	33	-16.31											
				75	0	19.08	16.75	33	-16.25											
				1	0	19.01	16.68	33	-16.32											
	37825	2577.5	16QAM	1	74	19.11	16.78	33	-16.22											
	01020	2011.0	TOQAIN	36	19	19.00	16.67	33	-16.33											
				75	0	19.08	16.75	33	-16.25											
				1	0	19.10	16.77	33	-16.23											
15	38000	2595	16QAM	1	74	19.05	16.72	33	-16.28											
15	50000	2000	TUQAN	36	19	19.06	16.73	33	-16.27											
				75	0	18.94	16.61	33	-16.39											
			16QAM	1	0	18.98	16.65	33	-16.35											
	38175	2612.5		1	74	19.07	16.74	33	-16.26											
	30173	2012.5		36	19	18.95	16.62	33	-16.38											
															75	0	18.94	16.61	33	-16.39
				1	0	18.98	16.65	33	-16.35											
	37825	2577.5	64QAM	1	74	19.11	16.78	33	-16.22											
	01020	2011.0	0+Q/III	36	19	19.12	16.79	33	-16.21											
				75	0	19.11	16.78	33	-16.22											
				1	0	18.96	16.63	33	-16.37											
15	38000	2595	64QAM	1	74	19.01	16.68	33	-16.32											
10	00000	2000	010010	36	19	18.99	16.66	33	-16.34											
				75	0	18.98	16.65	33	-16.35											
				1	0	19.04	16.71	33	-16.29											
	38175	2612.5	64QAM	1	74	19.11	16.78	33	-16.22											
		2012.0	0130101	36	19	19.03	16.70	33	-16.3											
				75	0	19.03	16.70	33	-16.3											
				1	0	19.08	16.75	33	-16.25											
	37825	2577.5	256QAM	1	74	19.10	16.77	33	-16.23											
			20000	36	19	19.07	16.74	33	-16.26											
				75	0	19.13	16.80	33	-16.2											
				1	0	19.04	16.71	33	-16.29											
15	15 38000 2595	256QAM	1	74	19.08	16.75	33	-16.25												
		20000	36	19	19.04	16.71	33	-16.29												
			75	0	19.05	16.72	33	-16.28												
				1	0	18.96	16.63	33	-16.37											
	38175	2612.5	256QAM	1	74	18.96	16.63	33	-16.37											
		2012.0	20000111	36	19	18.99	16.66	33	-16.34											
				75	0	19.10	16.77	33	-16.23											

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LTE Band 38_Uplink frequency band : 2570 to 2520 MHz           BW (MHz)         UL Channel         Frequency (MHz)         Modulation         RB Size         Conducted Offset         EIRP Average (Mm)         EIRP (Mm)         EIRP (Mm)         EIRP (Mm)           37850         2580         OPSK         1         0         19.38         17.06         33           20         38000         2595         OPSK         1         99         19.29         16.84         33           20         38000         2595         OPSK         1         99         19.20         16.84         33           38150         2610         OPSK         1         199         19.20         16.84         33           38150         2610         OPSK         1         99         19.10         16.86         33           38150         2610         OPSK         1         0         19.21         16.89         33           20         38000         2595         16QAM         1         0         19.17         16.84         33           317650         2595         16QAM         1         0         19.12         16.89         33         33           38150	Antenna	gain (dBi)	-2.33							
UHz)         Official         Prequency (MHz)         Modulation (MHz)         NB         Rds Size         Average (dBm) (dBm)         Average (dBm)         Average (dBm) </td <td></td> <td></td> <td>L</td> <td>TE Band 38_Up</td> <td>link freq</td> <td>uency ba</td> <td>nd : 2570 to 262</td> <td>20 MHz</td> <td></td> <td></td>			L	TE Band 38_Up	link freq	uency ba	nd : 2570 to 262	20 MHz		
20         37850         2580         QPSK         1         0         19.39         17.06         33           20         38000         2595         QPSK         1         99         19.27         16.84         33           1         0         19.28         16.96         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         <				Modulation			Average	Average	Limit	Margin (dB)
3/850         2580         GPSR         50         25         19.17         16.84         33           20         38000         2595         QPSK         100         0         19.28         16.55         33           1         0         19.20         16.67         33         1         99         19.20         16.68         33         1           38150         2610         QPSK         199         19.10         16.68         33         1         16.63         33         1         16.68         33         1         16.68         33         1         16.68         33         1         16.68         33         1         16.68         33         1         16.68         33         1         16.68         33         1         16.68         33         1         100         19.19         16.68         33         1         100         19.19         16.68         33         1         100         19.19         16.68         33         1         100         19.19         16.68         33         1         100         19.19         16.68         33         1         100         19.19         16.68         33         1         100 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0</td> <td>19.39</td> <td>17.06</td> <td>33</td> <td>-15.94</td>					1	0	19.39	17.06	33	-15.94
20         38000         2595         00         0         100         10         100         10         100         10         100         10         100         10         100         10         100         10         100         10         100         10         100         10         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         <		27950	2500	ODOK	1	99	19.29	16.96	33	-16.04
20         38000         2595         QPSK         1         0         19.28         16.65         33           38150         2595         QPSK         1         99         19.20         16.67         33           38150         2610         QPSK         1         99         19.10         16.68         33         1           38150         2610         QPSK         1         9         19.19         16.68         33         1           38150         2610         QPSK         1         0         19.26         16.93         33         1           1         0         19.26         16.69         33         1         100         0         19.22         16.69         33         1           37850         2580         16QAM         1         99         19.07         16.74         33         1         100         19.17         16.84         33         1         100         19.17         16.84         33         1         100         19.19         16.86         33         1         10         19.19         16.86         33         1         10         19.19         16.86         33         1         10		37650	2000	QPSK	50	25	19.17	16.84	33	-16.16
20         38000         2595         QPSK         1         99         19.20         16.87         33         33           30         250         25         19.01         16.68         33         33         33           38150         2610         QPSK         1         0         19.26         16.93         33         1           38150         2610         QPSK         1         0         19.26         16.89         33         1           100         0         19.02         16.69         33         1         1         1         1         16.86         33         1           37850         2580         16QAM         1         199         19.07         16.74         33         1           38000         2595         16QAM         1         99         19.07         16.74         33         1           38000         2595         16QAM         1         99         19.19         16.86         33         1           38150         2610         16QAM         1         99         19.19         16.86         33         1           38150         2610         16QAM         1					100	0	19.07	16.74	33	-16.26
20         38000         2595         GPSK         50         25         19.01         16.68         33           38150         2610         QPSK         1         99         19.19         16.86         33           1         99         19.19         16.86         33         1         99         19.19         16.86         33           1         99         19.19         16.86         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1					1					-16.05
38150         2610         33         100         0         19.01         16.88         33         1           38150         2610         QPSK         1         0         19.26         16.93         33         1           38150         2610         QPSK         1         99         19.19         16.86         33         1           100         0         19.02         16.69         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         <	20	38000	2595	OPSK						-16.13
38150         2610         QPSK         1         0         19.26         16.93         33           1         99         19.19         16.69         33         33         33           100         0         19.02         16.69         33         33         1           37850         2580         16QAM         1         99         19.07         16.88         33         1           38000         2595         16QAM         50         25         19.07         16.84         33         1           100         0         19.23         16.90         33         1         1         16.79         33         1           20         38000         2595         16QAM         1         99         19.19         16.86         33         1         199         19.19         16.86         33         1         100         19.19         16.86         33         1         100         19.19         16.86         33         1         100         19.19         16.86         33         1         100         10.19.01         16.75         33         1         100         19.19         16.76         33         1         100 <td>20</td> <td>00000</td> <td>2000</td> <td>QION</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-16.32</td>	20	00000	2000	QION						-16.32
38150         2610         QPSK         1         99         19.19         16.86         33           37850         2580         16QAM         1         0         0         19.02         16.69         33           37850         2580         16QAM         1         0         19.21         16.88         33           1         99         19.07         16.74         33         5         5         25         19.17         16.84         33         1           20         38000         2595         16QAM         1         99         19.19         16.86         33         1         1         0         19.12         16.79         33         1           38000         2595         16QAM         1         99         19.19         16.86         33         1         100         0         19.19         16.86         33         1         100         10.19.19         16.86         33         1         100         19.19         16.86         33         1         100         10.19.01         16.68         33         1         100         10.19.01         16.68         33         1         100         10.19.01         16.75					100	-				-16.26
38150         2610         QPSR         50         25         19.02         16.69         33           100         0         19.02         16.69         33         33         1           37850         2580         16QAM         1         99         19.07         16.74         33         33           20         38000         2595         16QAM         50         25         19.17         16.84         33           1         99         19.07         16.74         33         1         1         99         19.07         16.74         33         1           1         0         19.12         16.79         33         1         1         1         10         19.12         16.79         33         1         1         0         19.12         16.68         33         1         100         1         16.86         33         1         1         0         19.01         16.86         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1						-				-16.07
20         25         19.02         16.69         33         33           37850         2580         16QAM         1         0         19.21         16.68         33         1           37850         2580         16QAM         1         99         19.07         16.74         33         1           20         38000         2595         16QAM         100         0         19.23         16.80         33         1           38000         2595         16QAM         1         99         19.19         16.86         33         1           1         0         19.12         16.79         33         1         1         1         1         1         1         1         1         1         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         <		38150	2610	OPSK	-					-16.14
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		00100	2010	di on						-16.31
37850         2580         16QAM         1         99         19.07         16.74         33           20         38000         2595         16QAM         100         0         19.12         16.90         33           1         0         19.12         16.79         33         1         19.12         16.79         33         1           20         38000         2595         16QAM         1         99         19.19         16.86         33         1           38150         2610         16QAM         1         99         19.10         16.68         33         1           38150         2610         16QAM         1         99         19.10         16.77         33         1           38150         2610         16QAM         1         99         19.10         16.75         33         1           37850         2580         64QAM         1         99         19.19         16.86         33         1           38150         2595         64QAM         1         99         19.09         16.76         33         1           38150         2610         64QAM         1         99 <t< td=""><td></td><td></td><td></td><td></td><td>100</td><td></td><td></td><td></td><td></td><td>-16.31</td></t<>					100					-16.31
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						-				-16.12
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		37850	2580	160AM						-16.26
20         38000         2595         16QAM         1         0         19.12         16.79         33           38000         2595         16QAM         1         99         19.19         16.86         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33 <td< td=""><td></td><td>01000</td><td>2000</td><td>1000</td><td></td><td></td><td></td><td></td><td></td><td>-16.16</td></td<>		01000	2000	1000						-16.16
20         38000         2595         16QAM         1         99         19.19         16.86         33         33           38150         2610         16QAM         1         99         19.19         16.86         33         1           38150         2610         16QAM         1         99         19.10         16.77         33         1           38150         2610         16QAM         1         99         19.10         16.77         33         1           38150         2610         16QAM         1         99         19.19         16.86         33         1           37850         2580         64QAM         1         99         19.19         16.86         33         1           1         0         19.09         16.76         33         1         1         99         19.19         16.86         33         1           20         38000         2595         64QAM         1         99         19.09         16.76         33         1           38150         2610         64QAM         1         99         19.09         16.76         33         1         1         1         1										-16.1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										-16.21
38150         2610         100         0         19.01         16.68         33           38150         2610         1         0         19.19         16.68         33         1           38150         2610         1         99         19.10         16.68         33         1           38150         2610         1         99         19.10         16.68         33         1           50         25         19.18         16.68         33         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	20	38000	2595	160AM						-16.14
1         0         19.01         16.68         33         33           38150         2610         16QAM         1         99         19.10         16.77         33         33           50         25         19.18         16.85         33         33         33           100         0         19.09         19.10         16.75         33         33           37850         2580         64QAM         1         99         19.19         16.86         33         33           20         38000         2595         64QAM         1         99         19.19         16.86         33         33           100         0         19.06         16.73         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33 <td>20</td> <td></td> <td>2000</td> <td>10 00 111</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-16.32</td>	20		2000	10 00 111						-16.32
38150         2610         16QAM         1         99         19.10         16.77         33           50         25         19.18         16.85         33         1           100         0         19.08         16.75         33         1           37850         2580         64QAM         1         99         19.19         16.86         33         1           1         99         19.19         16.86         33         1         1         99         19.19         16.86         33         1           20         38000         2595         64QAM         1         99         19.09         16.76         33         1           20         38000         2595         64QAM         1         99         19.09         16.76         33         1           38150         2595         64QAM         1         99         19.09         16.70         33         1           38150         2610         64QAM         1         99         19.03         16.70         33         1           38150         2610         64QAM         1         99         19.03         16.70         33         1										-16.14
38150         2610         1600AM         50         25         19.18         16.85         33           100         0         19.08         16.75         33         33         33           37850         2580         64QAM         1         0         19.09         16.76         33           1         99         19.19         16.86         33         33         33           20         38000         2595         64QAM         1         0         19.09         16.76         33           100         0         19.06         16.73         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33				16QAM		-				-16.32
20         37850         2595         19.18         16.85         33           20         37850         2580         64QAM         1         0         19.09         16.76         33         1           20         38000         2595         64QAM         1         99         19.19         16.86         33         1           20         38000         2595         64QAM         1         99         19.19         16.86         33         1           38000         2595         64QAM         1         99         19.09         16.70         33         1           38150         2595         64QAM         1         99         19.09         16.76         33         1           38150         2610         64QAM         1         99         19.09         16.76         33         1           38150         2610         64QAM         1         99         19.03         16.70         33         1           38150         2610         64QAM         1         99         19.03         16.70         33         1           37850         2580         256QAM         1         99         19.05		38150	2610							-16.23
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.15
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					-	-				-16.24
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		37850	2580	64QAM						-16.14
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				-						-16.16
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.27
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					-					-16.3
100         0         19.13         16.80         33           38150         2610         64QAM         1         0         19.07         16.74         33           1         99         19.03         16.70         33         1           50         25         19.05         16.72         33         1           100         0         19.07         16.74         33         1           100         0         19.07         16.74         33         1           100         0         19.07         16.74         33         1           100         0         19.07         16.74         33         1           100         0         19.18         16.85         33         1           1         99         19.16         16.83         33         1           20         38000         2595         256QAM         1         99         19.13         16.80         33           100         0         19.13         16.80         33         1         1         1         1         16.73         33           20         38000         2595         256QAM         1	20	38000	2595	64QAM						-16.24
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						-				-16.26
100         0         19.07         16.74         33           37850         2580         256QAM         1         0         19.18         16.85         33           1         99         19.16         16.83         33         33         33           50         25         19.17         16.84         33         33           100         0         19.13         16.80         33         33           100         0         19.13         16.80         33         33           20         38000         2595         256QAM         1         0         19.14         16.81         33           1         0         19.13         16.80         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33		38150	2610	64QAM						-16.3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.28
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										-16.26 -16.15
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						-				-16.15 -16.17
20         38000         2595         256QAM         1         0         19.13         16.80         33           1         99         19.13         16.80         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33         33 <td></td> <td>37850</td> <td>2580</td> <td>256QAM</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-16.17</td>		37850	2580	256QAM						-16.17
20         2595         256QAM         1         0         19.14         16.81         33           1         99         19.13         16.80         33         33         33           50         25         19.06         16.73         33         33           100         0         19.03         16.70         33           1         0         19.01         16.68         33										-16.10
20         38000         2595         256QAM         1         99         19.13         16.80         33           50         25         19.06         16.73         33         33           100         0         19.03         16.70         33           1         0         19.01         16.68         33										-16.2
20         38000         2595         256QAM         50         25         19.06         16.73         33           100         0         19.03         16.70         33           1         0         19.01         16.68         33						-				-16.19
100         0         19.03         16.70         33           1         0         19.01         16.68         33	20	20 38000 2595	256QAM						-16.27	
1 0 19.01 16.68 33									-16.3	
									-16.32	
					1	99	19.01	16.76	33	-16.24
38150 2610 256QAM <u>1 99 19.09 10.76 35</u> 50 25 19.16 16.83 33		38150	2610	256QAM						-16.17
100 0 19.20 <b>16.87</b> 33										-16.17

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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GS Taiwan Ltd.

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Antenna	gain (dBi)	-2.86	1																
		u	E Band 41_Up	link freq	uency ba	nd : 2496 to 26	90 MHz												
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)										
		0.000	0004	1	0 24	21.31 21.22	18.45 18.36	33 33	-14.55										
	39675	2498.5	QPSK	12 25	6 0	21.30 21.29	18.44 18.43	33 33	-14.56 -14.57										
	40148	2545.8	OPSK	1	0 24	21.36 21.30	18.50 18.44	33	-14.5										
5				12 25 1	6 0 0	21.32 21.28 21.31	18.46 18.42 18.45	33 33 33	-14.54 -14.58 -14.55										
	40620	2593	OPSK	1 12	24 6	21.25 21.17	18.39 18.31	33 33	-14.61 -14.69										
				25 1	0 0	21.24 21.31	18.38 18.45	33 33	-14.62 -14.55										
	41565	2687.5	QPSK	1 12 25	24 6 0	21.36 21.27 21.31	18.50 18.41 18.45	33 33 33	-14.5 -14.59 -14.55										
	39675	2498.5	16QAM	1	0 24	21.30 21.35	18.44	33	-14.56										
		2450.0	1000H	12 25	6	21.35 21.36	18.49 18.50	33 33	-14.51 -14.5										
	40148	2545.8	16QAM	1 1 12	0 24 6	21.31 21.20 21.32	18.45 18.34 18.46	33 33 33	-14.55 -14.66 -14.54										
5				25	0	21.21 21.30	18.35	33	-14.65										
	40620	2593	16QAM	1 12	24 6	21.18 21.23	18.32 18.37	33 33	-14.68 -14.63										
				25 1	0 0 24	21.24 21.34 21.25	18.38 18.48 18.39	33 33 33	-14.62 -14.52 -14.61										
	41565	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	16QAM	12 25	6 0	21.25	18.39	33	-14.61
	39675	2498.5	64QAM	1	0 24	21.32 21.24	18.46 18.38	33 33	-14.54 -14.62										
				12 25 1	6 0 0	21.20 21.22 21.23	18.34 18.36 18.37	33 33 33	-14.66 -14.64 -14.63										
	40148	2545.8	64QAM	1	24 6	21.24 21.33	18.38	33	-14.62										
5				25 1	0	21.37 21.21	18.51 18.35	33 33	-14.49 -14.65										
	40620	2593	64QAM	1 12 25	24 6 0	21.17 21.31 21.34	18.31 18.45 18.48	33 33 33	-14.69 -14.55 -14.52										
	41565	2687.5	64QAM	1	0 24	21.20 21.24	18.34 18.38	33 33	-14.66 -14.62										
	41303	2001.0	U+VHVI	12 25	6	21.21 21.20	18.35 18.34	33 33	-14.65 -14.66										
	39675	2498.5	255QAM	1 1 12	0 24 6	21.32 21.26 21.18	18.46 18.40 18.32	33 33 33	-14.54 -14.6 -14.68										
				25	0	21.18 21.21	18.32 18.35	33 33	-14.68										
	40148	2545.8	256QAM	1	24 6	21.22 21.21	18.36 18.35	33 33	-14.64 -14.65										
5				25 1 1	0 0 24	21.31 21.21 21.36	18.45 18.35 18.50	33 33 33	-14.55 -14.65 -14.5										
	40620 2593	255QAM	12 25	6 0	21.19 21.28	18.33	33	-14.67											
	41565	2687.5	2687.5 256QAM	1	0 24	21.26 21.30	18.40 18.44	33 33	-14.6 -14.56										
				12 25	6 0	21.31 21.31	18.45 18.45	33 33	-14.55 -14.55										

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BW (MHz)	UL Channel		E Band 41_Up	link freq	iency ba	nd : 2496 to 26	90 MHz													
		-	-																	
		Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average	EIRP Limit	Margin (dB)											
		(		1	0	(dBm) 21.35	(dBm) 18.49	(dBm) 33	-14.51											
	39700	2501	QPSK	1	49	21.24	18.38	33	-14.62											
I	35100	2301	GPak	25	12	21.32	18.46	33	-14.54											
ļ				50	0	21.32	18.46	33	-14.54											
				1	0 49	21.23 21.22	18.37 18.36	33 33	-14.63											
	40160	2547	QPSK	25	12	21.36	18.50	33	-14.5											
10				50	0	21.19	18.33	33	-14.67											
· · · ·				1	0	21.18	18.32	33	-14.68											
	40620	2593	OPSK	1	49	21.18	18.32	33	-14.68											
				25 50	12	21.18 21.27	18.32 18.41	33 33	-14.68 -14.59											
ŀ				1	0	21.2/	18.38	33	-14.62											
	41540	2685	QPSK	1	49	21.31	18.45	33	-14.55											
	41040	2000	GPak	25	12	21.35	18.49	33	-14.51											
				50	0	21.24	18.38	33	-14.62											
				1	0 49	21.23 21.18	18.37 18.32	33 33	-14.63 -14.68											
	39700	2501	16QAM	25	12	21.10	18.38	33	-14.62											
				50	0	21.21	18.35	33	-14.65											
ſ				1	0	21.22	18.36	33	-14.64											
	40160	2547	16QAM	1	49	21.29	18.43	33	-14.57											
				25 50	12	21.28 21.24	18.42 18.38	33 33	-14.58											
10				1	ŏ	21.25	18.39	33	-14.61											
	40620	2503	16QAM	1	49	21.34	18.48	33	-14.52											
	40620 2593	1000M	25	12	21.26	18.40	33	-14.6												
ŀ				50	0	21.22	18.35	33	-14.64											
				1	49	21.35 21.19	18.49 18.33	33 33	-14.51 -14.67											
	41540	2685	16QAM	25	12	21.17	18.31	33	-14.69											
											50	0	21.33	18.47	33	-14.53				
									1	0	21.25	18.39	33	-14.61						
	39700	2501	64QAM	1 25	49	21.28 21.18	18.42 18.32	33 33	-14.58											
							2001		2301	2001	-				50	0	21.20	18.34	33	-14.66
ľ				1	0	21.30	18.44	33	-14.56											
	40160	2547	64QAM	1	49	21.23	18.37	33	-14.63											
				25 50	12 0	21.26 21.30	18.40 18.44	33 33	-14.6 -14.56											
10				1	ŏ	21.30	18.44	33	-14.56											
	40620	2593	6404M	1	49	21.30	18.44	33	-14.56											
	40020	2050	CH CHIN	25	12	21.26	18.40	33	-14.6											
ļ				50	0	21.26	18.40	33	-14.6											
				1	0 49	21.28 21.28	18.42 18.42	33 33	-14.58											
	41540	2685	64QAM	25	12	21.35	18.49	33	-14.51											
				50	0	21.31	18.45	33	-14.55											
				1	0	21.19	18.33	33	-14.67											
	39700	2501	256QAM	25	49	21.25 21.21	18.39 18.35	33 33	-14.61											
				50	0	21.21	18.50	33	-14.00											
ŀ				1	0	21.29	18.43	33	-14.57											
	40160	60 2547	256QAM	1	49	21.17	18.31	33	-14.69											
				25 50	12	21.22 21.35	18.35 18.49	33 33	-14.64											
10				1	0	21.35	10.49	33	-14.51											
	40620 2593	256QAM	1	49	21.31	18.45	33	-14.55												
		2000000	25	12	21.28	18.42	33	-14.58												
ļ				50	0	21.26	18.40	33	-14.6											
			1	0 49	21.25 21.30	18.39 18.44	33 33	-14.61												
	41540	2685	2685 256QAM	25	12	21.30	18.44	33	-14.56											
			85 256QAN	50	0	21.23	18.37	33	-14.63											

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Antenna	gain (dBi)	-2.86	1						
		u	E Band 41_Up	link freq	iency ba	nd : 2496 to 26	90 MHz		
BW (MHz)	UL Channel	Frequency (NHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
	39725	2503.5	OPSK	1	0 74	21.32 21.25	18.46 18.39	33 33	-14.54 -14.61
				36 75	18 0 0	21.21 21.33 21.31	18.35 18.47 18.45	33 33 33	-14.65 -14.53 -14.55
	40173	2548.3	QPSK	1 36	74 18	21.25 21.20	18.39 18.34	33 33	-14.61 -14.66
15	40620	2593	OPSK	75 1 1	0 0 74	21.33 21.23 21.21	18.47 18.37 18.35	33 33 33	-14.53 -14.63 -14.65
	40020	2050	uran	36 75 1	18 0 0	21.19 21.26 21.35	18.33 18.40 18.49	33 33 33	-14.67 -14.6 -14.51
	41515	2682.5	QPSK	1 36	74 18	21.35 21.24	18.49 18.38	33 33	-14.51 -14.62
	39725	2503.5	16QAM	75 1 1	0 0 74	21.19 21.31 21.27	18.33 18.45 18.41	33 33 33	-14.67 -14.55 -14.59
	35123	2000.0	100AM	36 75	18 0	21.31 21.25 21.31	18.45 18.39 18.45	33 33 33	-14.55 -14.61 -14.55
	40173	2548.3	16QAM	1 36	74 18	21.19 21.25	18.33 18.39	33 33	-14.67 -14.61
15	40520	2593	15044	75 1 1	0 0 74	21.25 21.27 21.31	18.39 18.41 18.45	33 33 33	-14.61 -14.59 -14.55
40620	2093	16QAM	36 75 1	18 0	21.35 21.34 21.29	18.49 18.48 18.43	33 33 33	-14.51 -14.52 -14.57	
	41515	2682.5	16QAM	1 36	74 18	21.28 21.18	18.42 18.32	33 33	-14.58 -14.68
	39725	2503.5	64QAM	75 1 1	0 0 74	21.32 21.37 21.19	18.46 18.51 18.33	33 33 33	-14.54 -14.49 -14.67
	39123	2000.0	04UAN	36 75 1	18 0	21.30 21.19 21.27	18.44 18.33 18.41	33 33 33	-14.56 -14.67 -14.59
	40173	2548.3	64QAM	1 36	74 18	21.22 21.18	18.36 18.32	33 33	-14.64 -14.68
15				75 1 1	0 0 74	21.25 21.18 21.30	18.39 18.32 18.44	33 33 33	-14.61 -14.68 -14.56
	40620	2593	64QAM	36 75	18 0	21.28 21.32	18.42 18.46	33 33 33	-14.58 -14.54
	41515	2682.5	64QAM	1 1 36	0 74 18	21.37 21.35 21.18	18.51 18.49 18.32	33 33	-14.49 -14.51 -14.68
				75 1 1	0 0 74	21.21 21.26 21.33	18.35 18.40 18.47	33 33 33	-14.65 -14.6 -14.53
	40173 2548.3	256QAM	36 75	18 0	21.31 21.27	18.45 18.41	33 33	-14.55 -14.59	
		256QAM	1 1 36	0 74 18	21.31 21.32 21.36	18.45 18.46 18.50	33 33 33	-14.55 -14.54 -14.5	
15			75 1 1	0 0 74	21.28 21.32 21.30	18.42 18.46 18.44	33 33 33	-14.58 -14.54 -14.55	
40620 21	2593	256QAM	36 75	18 0	21.33 21.18	18.47 18.32	33 33	-14.53 -14.68	
	41515 2682.5	256QAM	1 1 36	0 74 18	21.20 21.29 21.23	18.34 18.43 18.37	33 33 33	-14.66 -14.57 -14.63	
				75	0	21.20	18.34	33	-14.66

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Antenna gain (dB) -2.86											
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz											
BW (MHz)	UL Channel	Frequency (NHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average	EIRP Limit	Margin (dB)		
				1	0	(dBm) 21.41	(dBm) 18.55	(dBm) 33	-14.45		
	39750	2506	OPSK	1	99	21.26	18.40	33	-14.6		
				50	25	21.30	18.44	33	-14.56		
				100	0	21.28 21.37	18.42 18.51	33 33	-14.58		
	40185	2549.5	OPSK	1	99	21.29	18.43	33	-14.57		
	40100	2040.0	Gron	50	25	21.28	18.42	33	-14.58		
20				100	0	21.19 21.34	18.33 18.48	33 33	-14.67 -14.52		
	40620	2593	OPSK	1	99	21.21	18.35	33	-14.65		
	40620	2050	uPan	50	25	21.21	18.35	33	-14.65		
				100	0	21.20	18.34 18.49	33 33	-14.66		
				1	99	21.35 21.32	18.46	33	-14.51		
	41490	2680	QPSK	50	25	21.27	18.41	33	-14.59		
				100	0	21.32	18.46	33	-14.54		
				1	0	21.35 21.32	18.49 18.45	33 33	-14.51		
	39750	2506	16QAM	1	25	21.32	10.40	33	-14.54		
				100	0	21.24	18.38	33	-14.62		
				1	0	21.18	18.32	33	-14.68		
	40185	2549.5	16QAM	1	99	21.20	18.34	33	-14.66		
				50	25 0	21.30 21.18	18.44 18.32	33 33	-14.56 -14.68		
20				1	0	21.33	18.47	33	-14.53		
	40620 2	2593	16QAM	1	99	21.20	18.34	33	-14.66		
				50	25	21.31	18.45	33	-14.55		
				100	0	21.25 21.28	18.39 18.42	33 33	-14.61 -14.58		
	41490	2680	16QAM	1	99	21.35	18.49	33	-14.51		
	41490	2000	TOGAN	50	25	21.21	18.35	33	-14.65		
				100	0	21.24	18.38	33	-14.62		
				1	0 99	21.33 21.27	18.47 18.41	33 33	-14.53 -14.59		
	39750	2506	64QAM	50	25	21.25	18.39	33	-14.61		
				100	0	21.23	18.37	33	-14.63		
				1	0	21.29	18.43	33	-14.57		
	40185	2549.5	64QAM	1 50	99 25	21.20 21.29	18.34	33 33	-14.66 -14.57		
20				100	0	21.21	18.35	33	-14.65		
20				1	0	21.21	18.35	33	-14.65		
	40620	2593	64QAM	1 50	99 25	21.20 21.32	18.34 18.46	33 33	-14.66 -14.54		
				100	0	21.32	18.43	33	-14.54		
				1	0	21.26	18.40	33	-14.6		
	41490	2680	64QAM	1	99	21.18	18.32	33	-14.68		
				50	25 0	21.36 21.32	18.50 18.45	33 33	-14.5		
				100	0	21.32	18.39	33	-14.54		
	39750	2506	256QAM	1	99	21.28	18.42	33	-14.58		
	35130	2000	2000000	50	25	21.23	18.37	33	-14.63		
				100	0	21.35	18.49	33	-14.51		
				1	0 99	21.23 21.37	18.37	33	-14.63		
	40185	2549.5	256QAM	50	25	21.32	18.46	33	-14.54		
20				100	0	21.19	18.33	33	-14.67		
				1	0	21.26	18.40	33	-14.6		
	40620	2593	256QAM	1 50	99 25	21.28 21.30	18.42	33 33	-14.58 -14.56		
				100	0	21.36	18.50	33	14.5		
				1	0	21.24	18.38	33	-14.62		
	41490	2680	256QAM	1	99	21.19	18.33	33	-14.67		
				50	25	21.19	18.33 18.38	33 33	-14.67		
				100	0	21.24	10.30	- 33	-14.62		

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Antenna	gain (dBi)	-0.63	]						
			LTE Band 66_U	plink freq	luency ba	and : 1710 to 178	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.43	19.80	30	-10.2
				1	5	20.32	19.69	30	-10.31
	131979	1710.7	QPSK	3	2	20.32	19.69	30	-10.31
				6	0	20.24	19.61	30	-10.39
				1	0	20.54	19.91	30	-10.09
1.4	132322	1745	QPSK	1	5	20.41	19.78	30	-10.22
1.4	102022	1/45	QPOK	3	2	20.33	19.70	30	-10.3
				6	0	20.42	19.79	30	-10.21
				1	0	20.36	19.73	30	-10.27
	132665	1779.3	OPSK	1	5	20.35	19.72	30	-10.28
	102000	1113.3	GP-OK	3	2	20.13	19.50	30	-10.5
				6	0	20.22	19.59	30	-10.41
				1	0	20.32	19.69	30	-10.31
	131979	1710.7	16QAM	1	5	20.27	19.64	30	-10.36
	101919	1110.7	105gAnit	3	2	20.23	19.60	30	-10.4
				6	0	20.32	19.69	30	-10.31
				1	0	20.47	19.84	30	-10.16
1.4	132322	1745	16QAM	1	5	20.43	19.80	30	-10.2
1.4	1.4 102022 114	1140	100-philli	3	2	20.36	19.73	30	-10.27
				6	0	20.48	19.85	30	-10.15
				1	0	20.18	19.55	30	-10.45
	132665	1779.3	16QAM	1	5	20.09	19.46	30	-10.54
	102000		1000pmin	3	2	20.09	19.46	30	-10.54
				6	0	20.21	19.58	30	-10.42
				1	0	20.29	19.66	30	-10.34
	131979	1710.7	64QAM	1	5	20.21	19.58	30	-10.42
				3	2	20.40	19.77	30	-10.23
				6	0	20.26	19.63	30	-10.37
				1	0	20.37	19.74	30	-10.26
1.4	132322	1745	64QAM	1	5	20.46	19.83	30	-10.17
				3	2	20.42	19.79	30	-10.21
				6	0	20.35	19.72	30	-10.28
				1	0	20.06	19.43	30	-10.57
	132665	1779.3	64QAM	1	5	20.04	19.41	30	-10.59
				3	2	20.07	19.44	30	-10.56
				6	0	20.06	19.43	30	-10.57
				1	0	20.23	19.60	30	-10.4
	131979	1710.7	256QAM	1	5	20.38	19.75	30	-10.25
				3	2	20.22	19.59	30	-10.41
				6	0	20.31	19.68	30	-10.32
					0	20.50	19.87 19.73	30 30	-10.13 -10.27
1.4	132322	1745	256QAM	1	2	20.36	19.75	30	-10.27
				6	0	20.40	19.77	30 30	-10.23
				•	0	20.36	19.75	30	-10.25
				1	5	20.09	19.40	30	-10.54
	132665	1779.3	256QAM	3	2	20.22	19.39	30	-10.41
				6	0	20.03	19.40	30	-10.6
				•	•	20.20	19.97	30	10.40

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Antenna	gain (dBi)	-0.63	]						
			LTE Band 66_U	plink freq	luency ba	and : 1710 to 178	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	20.49	19.86	30	-10.14
	131987	4744.5	OPSK	1	14	20.34	19.71	30	-10.29
	101907	1711.5	UP ON	8	4	20.40	19.77	30	-10.23
				15	0	20.34	19.71	30	-10.29
				1	0	20.58	19.95	30	-10.05
3	132322	1745	QPSK	1	14	20.50	19.87	30	-10.13
~	102022	1140	QF-SK	8	4	20.34	19.71	30	-10.29
				15	0	20.46	19.83	30	-10.17
				1	0	20.40	19.77	30	-10.23
	132657	1778.5	QPSK	1	14	20.41	19.78	30	-10.22
	102001	1110.0		8	4	20.17	19.54	30	-10.46
				15	0	20.20	19.57	30	-10.43
				1	0	20.36	19.73	30	-10.27
	131987	1711.5	16QAM	1	14	20.34	19.71	30	-10.29
	101907	1711.5	TOGAN	8	4	20.31	19.68	30	-10.32
				15	0	20.36	19.73	30	-10.27
				1	0	20.50	19.87	30	-10.13
	132322	1745	16QAM	1	14	20.47	19.84	30	-10.16
3	132322	1/45	TOQAM	8	4	20.36	19.73	30	-10.27
				15	0	20.52	19.89	30	-10.11
				1	0	20.22	19.59	30	-10.41
	132657	1778.5	16QAM	1	14	20.14	19.51	30	-10.49
	132007	1//0.5	TOQAM	8	4	20.10	19.47	30	-10.53
				15	0	20.27	19.64	30	-10.36
				1	0	20.31	19.68	30	-10.32
	131987	1711.5	64QAM	1	14	20.29	19.66	30	-10.34
	101907	1711.5	040,410	8	4	20.39	19.76	30	-10.24
				15	0	20.33	19.70	30	-10.3
				1	0	20.45	19.82	30	-10.18
3	132322	1745	64QAM	1	14	20.49	19.86	30	-10.14
~	102022	1140	044004101	8	4	20.43	19.80	30	-10.2
				15	0	20.37	19.74	30	-10.26
				1	0	20.11	19.48	30	-10.52
	132657	1778.5	64QAM	1	14	20.09	19.46	30	-10.54
	102001	1170.0	04400101	8	4	20.13	19.50	30	-10.5
				15	0	20.12	19.49	30	-10.51
				1	0	20.27	19.64	30	-10.36
	131987	1711.5	256QAM	1	14	20.39	19.76	30	-10.24
	101301			8	4	20.29	19.66	30	-10.34
				15	0	20.34	19.71	30	-10.29
				1	0	20.52	19.89	30	-10.11
3	132322	1745	256QAM	1	14	20.41	19.78	30	-10.22
Ť				8	4	20.45	19.82	30	-10.18
				15	0	20.42	19.79	30	-10.21
				1	0	20.10	19.47	30	-10.53
	132657	1778.5	256QAM	1	14	20.21	19.58	30	-10.42
	102001			8	4	20.09	19.46	30	-10.54
				15	0	20.25	19.62	30	-10.38

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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ITE Band 66, Uplink frequency band: 1710 to 1780 MHz           BW (MHz)         UL Chonnel (NHz)         Frequency (NHz)         Modulation (NHz)         RB Size         Conducted (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (RBm) (R	Antenna	gain (dBi)	-0.63							
BM         UL         Prequency (MHz)         Modulation (MHz)         RB         RB         RB         Average (dBm)         Average (dBm)         Limit (dBm)         Mdgn         Mdgn           1         1997         1712.5         QPSK         1         24         20.44         19.91         30         -10.09           5         1         12.6         20.44         19.81         30         -10.23           5         1         22.5         0         20.37         19.74         30         -10.22           7         0         25.5         0         20.51         19.98         30         -10.12           1         0         20.51         19.86         30         -10.12         -10.12           132847         177.5         QPSK         1         0         20.44         19.81         30         -10.11           132847         177.5         QPSK         1         0         20.44         19.80         30         -10.21           132847         1712.5         160AM         1         24         20.30         19.67         30         -10.23           131997         1712.5         160AM         1         24				LTE Band 66_U	plink freq	luency ba	and : 1710 to 178	0 MHz		
5         11997         1712.5         0         0         205.4         1991         30         -10.09           5         131997         1712.5         0         26         20.40         19.77         30         -10.28           5         132322         1745         0         28         0         20.37         19.74         30         -10.28           132322         1745         0         95K         1         24         20.01         19.88         30         -10.19           132847         1777.5         0         0         25         0         20.52         19.89         30         -10.19           132847         1777.5         0         0         20.44         19.81         30         -10.19           132847         1777.5         0         0         20.44         19.80         30         -10.24           131997         1712.5         16QAM         1         24         20.39         19.76         30         -10.24           131997         1712.5         16QAM         1         24         20.39         19.76         30         -10.24           1312847         1777.5         16QAM				Modulation			Average	Average	Limit	-
131997         1712.5         QPSK         12         6         20.40         19.77         30         -10.23           5         132322         1745         QPSK         1         24         20.51         19.74         30         -10.26           1         244         20.51         19.88         30         -10.12         -10.12           1         24         20.51         19.88         30         -10.12         -10.12           1         24         20.43         19.80         30         -10.12         -10.19         -10.19         -10.19         -10.19         -10.19         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.21         -10.22         -10.22         -10.22         -10.21         -10.21         -10.21         -10.21         -10.22         -10.22         -10.23         -10.21         -10.22         -10.23         -10.21         -10.22         -10.23         -10.21         -10.22					1	0		, ,		-10.09
5         12         6         2040         19.77         30         -10.23           5         12322         1745         0         20.77         19.74         30         -10.12           1         24         20.51         19.85         30         -10.12           1         24         20.51         19.85         30         -10.12           1         24         20.51         19.85         30         -10.12           1         24         20.51         19.85         30         -10.12           1         24         20.51         19.85         30         -10.2           1         1.24         20.44         19.81         30         -10.2           1         25         0         20.30         19.67         30         -10.2           1         24         20.30         19.67         30         -10.2           1         1         24         20.35         19.73         30         -10.2           1         1         24         20.50         19.86         30         -10.13           1         1         24         20.50         19.86         30         -10.13<		404007	1710.5	oper	1	24	20.44	19.81	30	-10.19
5         132322         1745         QPSK         1         0         20.61         19.88         30         -10.02           1         24         20.51         19.86         30         -10.12         -10.12           1         26         20.44         19.81         30         -10.12         -10.12           1         2         6         20.44         19.81         30         -10.19           25         0         20.44         19.81         30         -10.19           132847         177.5         QPSK         1         24         20.43         19.80         30         -10.2           11         24         20.43         19.80         30         -10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2         10.2		101997	1/12.5	QPOK	12	6	20.40	19.77	30	-10.23
5         132322         1745         QPSK         1         24         20.51         19.88         30         -10.12           12         6         20.44         19.81         30         -10.12         -10.19           132647         1777.5         QPSK         1         0         20.44         19.81         30         -10.19           1         24         20.43         19.80         30         -10.2         -10.2           1         1         24         20.43         19.80         30         -10.2           1         1         24         20.33         19.60         30         -10.2           1         1         24         20.33         19.76         30         -10.24           1         2         6         20.33         19.76         30         -10.24           1         1         24         20.50         19.75         30         -10.24           1         1         24         20.50         19.76         30         -10.22           132322         1745         16QAM         1         24         20.54         19.56         30         -10.44           132647					25	0	20.37	19.74	30	-10.26
5         132322         1745         OPSK         12         6         20.44         19.81         30         -10.19           132647         1177.5         OPSK         12         6         20.44         19.81         30         -10.19           132647         1177.5         OPSK         1         0.4         20.43         19.80         30         -10.4           25         0         20.30         19.60         30         -10.4         20.44         19.81         30         -10.4           25         0         20.30         19.67         30         -10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24 <t< td=""><td></td><td></td><td></td><td></td><td>1</td><td>0</td><td>20.61</td><td>19.98</td><td>30</td><td>-10.02</td></t<>					1	0	20.61	19.98	30	-10.02
12         6         20.44         19.81         30         -10.19           133847         1777.5         QP5K         1         0         20.52         19.89         30         -10.11           133847         1777.5         QP5K         1         0         20.44         19.81         30         -10.21           1         0         20.43         19.80         30         -10.4           25         0         20.30         19.87         30         -10.33           1         0         20.42         19.79         30         -10.24           131997         1712.5         160AM         1         24         20.33         19.70         30         -10.24           132322         1745         160AM         1         24         20.50         19.87         30         -10.24           132647         177.5         160AM         1         24         20.50         19.85         30         -10.24           132647         1777.5         160AM         1         24         20.54         19.91         30         -10.24           132647         1777.5         640AM         1         24         20.36		100000	1745	ODEK	1	24	20.51	19.88	30	-10.12
$ \left. \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	132322	1/45	QPOK	12	6	20.44	19.81	30	-10.19
132647         1777.5         QPSK         1         24         20.43         19.80         30         -10.2           12         6         20.23         19.80         30         -10.4           131997         1712.5         160AM         1         24         20.39         19.77         30         -10.21           131997         1712.5         160AM         1         24         20.39         19.76         30         -10.24           132322         1745         160AM         1         24         20.39         19.76         30         -10.24           132322         1745         160AM         1         24         20.39         19.73         30         -10.13           12         6         20.41         19.73         30         -10.14         10.13           12         6         20.41         19.78         30         -10.10         10.24           132647         1777.5         160AM         1         24         20.19         19.55         30         -10.24           132647         1712.5         640AM         1         24         20.31         19.91         30         -10.24           132647<					25	0	20.52	19.89	30	-10.11
13247         177.5         GPSK         12         6         20.23         19.60         30         -10.4           1         25         0         20.30         19.67         30         -10.33           1         0         20.42         19.79         30         -10.21           1         24         20.39         19.76         30         -10.24           1         24         20.39         19.76         30         -10.24           1         24         20.39         19.76         30         -10.3           1         24         20.39         19.76         30         -10.24           1         2         6         20.35         19.73         30         -10.13           1         24         20.50         19.86         30         -10.13           1         24         20.51         19.86         30         -10.24           132647         1777.5         16QAM         1         24         20.19         19.56         30         -10.24           132647         1712.5         64QAM         1         24         20.34         19.71         30         -10.25           1 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0</td> <td>20.44</td> <td>19.81</td> <td>30</td> <td>-10.19</td>					1	0	20.44	19.81	30	-10.19
12         6         20.3         19.60         30         -10.4           25         0         20.30         19.67         30         -10.31           1         0         20.42         19.79         30         -10.21           1         1         24         20.39         19.76         30         -10.24           1         24         20.36         19.70         30         -10.24           1         24         20.36         19.70         30         -10.24           1         24         20.36         19.73         30         -10.24           1         24         20.59         19.87         30         -10.24           1         24         20.51         19.87         30         -10.24           1         24         20.51         19.87         30         -10.24           1         24         20.51         19.87         30         -10.24           1         24         20.51         19.80         30         -10.24           1         24         20.54         19.81         30         -10.24           1         24         20.51         19.85 <t< td=""><td></td><td>1000.17</td><td>4777.6</td><td>oper</td><td>1</td><td>24</td><td>20.43</td><td>19.80</td><td>30</td><td>-10.2</td></t<>		1000.17	4777.6	oper	1	24	20.43	19.80	30	-10.2
131997         1712.5         16QAM         1         0         20.42         19.79         30         -10.21           5         131997         1712.5         16QAM         1         24         20.39         19.75         30         -10.24           5         132322         1745         16QAM         1         2         6         20.38         19.70         30         -10.24           1         2         0         20.59         19.95         30         -10.04           1         2         20.50         19.95         30         -10.04           1         2         0         20.59         19.95         30         -10.04           1         2         0         20.59         19.95         30         -10.24           132647         1777.5         16QAM         1         24         20.19         19.85         30         -10.03           132647         1777.5         16QAM         1         24         20.34         19.71         30         -10.24           1         0         20.36         19.83         30         -10.24         10.24           1         1         24         20		132047	100.5	QPOK	12	6	20.23	19.60	30	-10.4
$ \left( \begin{array}{c ccccccccccccccccccccccccccccccccccc$					25	0	20.30	19.67	30	-10.33
131997         1712.5         16QAM         12         6         20.33         19.70         30         -10.3           5         132322         1745         16QAM         1         0         20.59         19.73         30         -10.27           5         132322         1745         16QAM         1         0         20.59         19.87         30         -10.04           1         2         0         20.50         19.87         30         -10.04           12         6         20.41         19.96         30         -10.02           132647         1777.5         16QAM         1         24         20.19         19.85         30         -10.09           132647         1777.5         16QAM         1         24         20.19         19.85         30         -10.44           12         6         20.14         19.81         30         -10.24           131997         1712.5         64QAM         1         24         20.34         19.71         30         -10.24           1         0         20.51         19.88         30         -10.12         25         0         20.45         19.83         30<					1	0	20.42	19.79	30	-10.21
5         112         6         20.33         19.70         30         -10.3           5         132322         1745         16QAM         1         0         20.59         19.95         30         -10.04           1         0         20.59         19.95         30         -10.13         10.04           1         24         20.50         19.87         30         -10.13         10.04           1         24         20.50         19.87         30         -10.04         10.04           1         26         0.041         19.78         30         -10.02         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.09         10.04         10.09         10.04         10.09         10.04         10.09         10.04         10.04         10.04         10.04         10.01         10.05         10.04         10.01         10.01         10.01					1	24	20.39	19.76	30	-10.24
5         132322         1745         16QAM         1         0         20.59         19.96         30         -10.04           1         24         20.50         19.87         30         -10.13         -10.22           132322         1745         16QAM         1         24         20.50         19.87         30         -10.04           132647         1777.5         16QAM         1         24         20.19         19.76         30         -10.38           132647         1777.5         16QAM         1         24         20.19         19.55         30         -10.38           131997         1712.5         64QAM         1         24         20.28         19.55         30         -10.24           1         0         20.39         19.76         30         -10.24           1         0         20.39         19.75         30         -10.24           1         24         20.34         19.83         30         -10.17           12         6         20.46         19.83         30         -10.17           12         6         20.51         19.86         30         -10.12           1326		131997	1/12.5	16QAM	12	6	20.33	19.70	30	-10.3
5         132322         1745         16QAM         1         24         20.50         19.87         30         -10.13           12         6         20.41         19.78         30         -10.22         25         0         20.54         19.87         30         -10.22           132647         1777.5         16QAM         1         24         20.19         19.52         30         -10.38           132647         1777.5         16QAM         1         24         20.19         19.55         30         -10.49           12         6         20.14         19.51         30         -10.49         25         0         20.39         19.55         30         -10.49           12         6         20.14         19.51         30         -10.29         10.49         10.29         10.29         10.20         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29         10.29 <td< td=""><td></td><td></td><td></td><td></td><td>25</td><td>0</td><td>20.36</td><td>19.73</td><td>30</td><td>-10.27</td></td<>					25	0	20.36	19.73	30	-10.27
5         132322         1745         16QAM         12         6         20.41         19.78         30         -10.22           132647         1777.5         16QAM         12         6         20.41         19.78         30         -10.39           132647         1777.5         16QAM         1         0         20.25         19.62         30         -10.44           12         6         20.14         19.51         30         -10.49           12         6         20.14         19.51         30         -10.49           12         6         20.14         19.51         30         -10.49           12         6         20.14         19.51         30         -10.49           12         6         20.34         19.51         30         -10.24           131997         1712.5         64QAM         1         24         20.36         19.83         30         -10.17           12         6         20.46         19.83         30         -10.12         10.17         10.11         11.2         10.20.53         19.90         30         -10.11           12         6         20.51         19.88         <					1	0	20.59	19.96	30	-10.04
12         6         20.41         19.91         30         -10.22           132647         1777.5         16QAM         26         0         20.54         19.91         30         -10.09           132647         1777.5         16QAM         1         0         20.25         19.62         30         -10.44           12         6         20.14         19.56         30         -10.44           12         6         20.14         19.51         30         -10.49           25         0         20.28         19.65         30         -10.44           11         0         20.39         19.76         30         -10.24           131997         1712.5         64QAM         1         24         20.34         19.71         30         -10.24           1         24         20.34         19.71         30         -10.12         12         6         20.45         19.83         30         -10.17           12         6         20.45         19.83         30         -10.12         12         10         20.53         19.90         30         -10.12           132647         1745         64QAM         1 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>24</td> <td>20.50</td> <td>19.87</td> <td>30</td> <td>-10.13</td>					1	24	20.50	19.87	30	-10.13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5	132322	1745	16QAM	12	6	20.41	19.78	30	-10.22
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					25	0	20.54	19.91	30	-10.09
132647         1777.5         16QAM         12         6         20.14         19.51         30         -10.49           25         0         20.28         19.65         30         -10.35           131997         1712.5         64QAM         1         24         20.39         19.76         30         -10.24           1         24         20.34         19.71         30         -10.29         10.24           1         26         20.46         19.83         30         -10.17         10.29           1         25         0         20.36         19.83         30         -10.17           25         0         20.51         19.88         30         -10.12           1         24         20.53         19.90         30         -10.12           1         24         20.53         19.88         30         -10.12           1         24         20.53         19.90         30         -10.12           132647         1777.5         64QAM         1         24         20.16         19.83         30         -10.41           132647         1777.5         64QAM         1         24         20.17 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0</td> <td></td> <td>19.62</td> <td>30</td> <td>-10.38</td>					1	0		19.62	30	-10.38
5         131997         1712.5         64QAM         12         6         20.14         19.51         30         -10.49           5         131997         1712.5         64QAM         1         25         0         20.38         19.65         30         -10.35           5         131997         1712.5         64QAM         1         24         20.34         19.71         30         -10.24           1         2         0.046         19.83         30         -10.17         25         0         20.36         19.73         30         -10.29           1         2         6         20.46         19.83         30         -10.17         25         0         20.36         19.73         30         -10.12           1         2         6         20.51         19.88         30         -10.12         10         10         20.53         19.85         30         -10.12           1         2         6         20.51         19.85         30         -10.12         11         12         6         20.51         19.85         30         -10.12           132647         177.5         64QAM         1         24 <td< td=""><td></td><td></td><td></td><td></td><td>1</td><td>24</td><td>20.19</td><td>19.56</td><td>30</td><td>-10.44</td></td<>					1	24	20.19	19.56	30	-10.44
131997         1712.5         64QAM         1         0         20.39         19.76         30         -10.24           5         131997         1712.5         64QAM         1         24         20.34         19.71         30         -10.29           5         132322         1745         64QAM         1         24         20.36         19.73         30         -10.17           1         24         20.36         19.73         30         -10.17         10.17         25         0         20.51         19.88         30         -10.12           1         24         20.53         19.90         30         -10.12         11.2         6         20.51         19.88         30         -10.12           1         24         20.53         19.90         30         -10.12         12.6         20.51         19.88         30         -10.12           12         6         20.51         19.88         30         -10.12         12.5         0         20.14         19.81         30         -10.44           132647         1777.5         64QAM         1         24         20.16         19.53         30         -10.41		132647	1777.5	16QAM	12	6	20.14	19.51	30	-10.49
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					25	0	20.28	19.65	30	-10.35
131997         1712.5         64QAM         12         6         20.46         19.83         30         -10.17           5         132322         1745         64QAM         1         0         20.51         19.83         30         -10.27           5         132322         1745         64QAM         1         0         20.51         19.88         30         -10.12           1         24         20.53         19.90         30         -10.12         11         24         20.53         19.90         30         -10.12           1         26         20.51         19.88         30         -10.12         11         24         20.53         19.90         30         -10.12           1         1         24         20.53         19.88         30         -10.12         11         12         6         20.21         19.88         30         -10.14           1         1         24         20.16         19.53         30         -10.44           1         24         20.17         19.54         30         -10.42           1         24         20.46         19.83         30         -10.17 <td< td=""><td></td><td></td><td></td><td></td><td>1</td><td>0</td><td>20.39</td><td>19.76</td><td>30</td><td>-10.24</td></td<>					1	0	20.39	19.76	30	-10.24
5         12         6         20.46         19.83         30         -10.17           5         132322         1745         64QAM         1         0         20.51         19.83         30         -10.12           1         24         20.53         19.90         30         -10.12           1         24         20.53         19.90         30         -10.12           1         24         20.53         19.90         30         -10.12           1         24         20.53         19.90         30         -10.12           1         24         20.51         19.88         30         -10.12           1         25         0         20.44         19.81         30         -10.12           132647         1777.5         64QAM         1         24         20.16         19.53         30         -10.44           1         24         20.16         19.53         30         -10.42         25         0         20.17         19.54         30         -10.47           12         6         20.32         19.69         30         -10.31         12         12         25         0         20.42					1	24	20.34	19.71	30	-10.29
5         132322         1745         64QAM         1         0         20.51         19.88         30         -10.12           1         24         20.53         19.90         30         -10.1           12         6         20.51         19.88         30         -10.12           12         6         20.51         19.88         30         -10.12           132647         1777.5         64QAM         1         24         20.19         19.56         30         -10.44           1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.47           12         6         20.21         19.58         30         -10.42           12         6         20.21         19.58         30         -10.42           12         6         20.21         19.58         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.21           1         2         6         20.32         19.69         30         -10.21         -10.21		131997	1712.5	64QAM	12	6	20.46	19.83	30	-10.17
5         132322         1745         64QAM         1         24         20.53         19.90         30         -10.1           12         6         20.51         19.88         30         -10.1           132647         1777.5         64QAM         12         6         20.51         19.88         30         -10.1           132647         1777.5         64QAM         1         0         20.19         19.55         30         -10.44           1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.42           12         6         20.21         19.58         30         -10.42           25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         24         20.46         19.83         30         -10.17           131997         1712.5         256QAM         1         24         20.45         19.89         30         -10.21           12         6         20.32         19.69         30         -10.21         10.2         10.25 <td< td=""><td></td><td></td><td></td><td></td><td>25</td><td>0</td><td>20.36</td><td>19.73</td><td>30</td><td>-10.27</td></td<>					25	0	20.36	19.73	30	-10.27
5         132322         1745         64QAM         12         6         20.51         19.88         30         -10.12           132647         177.5         64QAM         25         0         20.44         19.81         30         -10.19           132647         1777.5         64QAM         1         0         20.19         19.56         30         -10.44           132647         1777.5         64QAM         1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.42         25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.31           1         24         20.46         19.83         30         -10.21         10.31           12         6         20.32         19.69         30         -10.31         10.21           12         6         20.32         19.69         30         -10.21         10.2           13252         1745         256QAM         1         24         20.43					1	0	20.51	19.88	30	-10.12
12         6         20.51         19.88         30         -10.12           132647         1777.5         64QAM         1         0         20.14         19.81         30         -10.19           132647         1777.5         64QAM         1         0         20.19         19.56         30         -10.44           1         1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.47           12         6         20.21         19.58         30         -10.42           25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.31           1         24         20.46         19.83         30         -10.21         10.31           12         6         20.32         19.69         30         -10.21         10.5           132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           12         6         20.43					1	24	20.53	19.90	30	-10.1
132647         1777.5         64QAM         1         0         20.19         19.56         30         -10.44           1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.42           12         6         20.21         19.58         30         -10.42           25         0         20.17         19.54         30         -10.42           25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.31           1         24         20.46         19.83         30         -10.31           1         24         20.46         19.83         30         -10.31           12         6         20.32         19.69         30         -10.21           12         6         20.32         19.79         30         -10.21           12         6         20.42         19.79         30         -10.21           12         6         20.43         19.80         30         -	5	132322	1745	64QAM	12	6	20.51	19.88	30	-10.12
132647         1777.5         64QAM         1         24         20.16         19.53         30         -10.47           12         6         20.21         19.58         30         -10.42         25         0         20.17         19.54         30         -10.42           25         0         20.17         19.54         30         -10.42         25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.31           1         24         20.46         19.83         30         -10.17         10.17           12         6         20.32         19.69         30         -10.31           12         6         20.32         19.69         30         -10.21           12         6         20.32         19.79         30         -10.21           12         6         20.42         19.79         30         -10.21           12         6         20.43         19.80         30         -10.2           12         6         20.49         19.85         30         -10.14					25	0	20.44	19.81	30	-10.19
132647         1777.5         64QAM         12         6         20.21         19.58         30         -10.42           25         0         20.17         19.54         30         -10.42           131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.41           1         1         24         20.46         19.83         30         -10.31           1         24         20.46         19.83         30         -10.17           12         6         20.32         19.69         30         -10.31           12         6         20.32         19.69         30         -10.31           25         0         20.42         19.79         30         -10.21           12         6         20.32         19.69         30         -10.21           25         0         20.42         19.79         30         -10.21           12         6         20.43         19.80         30         -10.2           12         6         20.49         19.86         30         -10.14           25         0         20.48         19.85         30					1	0	20.19	19.56	30	-10.44
5         132322         1745         256QAM         1         0         20.17         19.58         30         -10.42           5         132322         1745         256QAM         1         0         20.32         19.69         30         -10.45           1         0         20.32         19.69         30         -10.31         -10.45           1         1         24         20.46         19.83         30         -10.31           1         24         20.46         19.83         30         -10.31           12         6         20.32         19.69         30         -10.31           25         0         20.42         19.79         30         -10.21           1         0         20.58         19.95         30         -10.21           1         24         20.43         19.80         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.49         19.85         30         -10.14           25         0					1	24	20.16	19.53	30	-10.47
131997         1712.5         256QAM         25         0         20.17         19.54         30         -10.46           5         131997         1712.5         256QAM         1         0         20.32         19.69         30         -10.31           5         131997         1712.5         256QAM         1         24         20.46         19.83         30         -10.31           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           1         0         20.58         19.95         30         -10.21         -10.21         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2         -10.2		132647	1//7.5	64QAM	12	6	20.21	19.58	30	-10.42
131997         1712.5         256QAM         1         24         20.46         19.83         30         -10.17           5         131997         1712.5         256QAM         12         6         20.32         19.69         30         -10.31           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           1         0         20.58         19.95         30         -10.21         10.5           1         24         20.43         19.80         30         -10.21           1         24         20.43         19.80         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.49         19.85         30         -10.2           12         6         20.49         19.85         30         -10.14           25         0         20.48         19.85         30         -10.15           132647         177.5         256QAM         1         24         20.29         19.66         30         -10.45           12         6         20.17						0				
131997         1712.5         256QAM         12         6         20.32         19.69         30         -10.31           5         132322         1745         256QAM         12         6         20.32         19.69         30         -10.31           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           1         0         20.58         19.95         30         -10.05         10.21           1         24         20.43         19.80         30         -10.21           12         6         20.49         19.86         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.48         19.85         30         -10.14           25         0         20.48         19.85         30         -10.45           132647         177.5         256QAM         1         24         20.29         19.66         30         -10.34           12         6         20.17					1	0	20.32	19.69	30	-10.31
131997         1712.5         256QAM         12         6         20.32         19.69         30         -10.31           5         132322         1745         256QAM         12         6         20.32         19.69         30         -10.31           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           1         0         20.58         19.95         30         -10.05         10.21           1         24         20.43         19.80         30         -10.21           12         6         20.49         19.86         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.49         19.85         30         -10.21           12         6         20.48         19.85         30         -10.14           25         0         20.48         19.85         30         -10.45           132647         177.5         256QAM         1         24         20.29         19.66         30         -10.34           12         6         20.17					1	24	20.46	19.83	30	-10.17
5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.21           5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.05           1         24         20.43         19.80         30         -10.2           12         6         20.49         19.86         30         -10.14           25         0         20.48         19.85         30         -10.14           12         6         20.49         19.85         30         -10.14           132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.45           132647         1777.5         256QAM         1         24         20.29         19.66         30         -10.34		131997	1/12.5	256QAM	12	6	20.32	19.69	30	-10.31
5         132322         1745         256QAM         1         0         20.58         19.95         30         -10.05           1         24         20.43         19.80         30         -10.2           12         6         20.49         19.86         30         -10.14           25         0         20.48         19.85         30         -10.14           132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.15           132647         1777.5         256QAM         256QAM         10         20.18         19.55         30         -10.45           12         6         20.17         19.54         30         -10.45					25	0			30	
5         132322         1745         256QAM         1         24         20.43         19.80         30         -10.2           12         6         20.49         19.86         30         -10.14           25         0         20.48         19.85         30         -10.15           132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.45           132647         1777.5         256QAM         1         24         20.29         19.66         30         -10.34					1	0		19.95	30	-10.05
12         6         20.49         19.86         30         -10.14           25         0         20.48         19.85         30         -10.14           25         0         20.48         19.85         30         -10.15           132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.45           12         6         20.17         19.66         30         -10.34         -10.45	-	400000			1	24	20.43	19.80	30	
132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.45           1         24         20.29         19.66         30         -10.34           12         6         20.17         19.54         30         -10.46	2	132322	1/45	256QAM	12	6	20.49	19.86	30	-10.14
132647         1777.5         256QAM         1         0         20.18         19.55         30         -10.45           1         24         20.29         19.66         30         -10.34           12         6         20.17         19.54         30         -10.46					25	0	20.48	19.85	30	-10.15
132647 1777.5 256QAM 12 6 20.17 19.54 30 -10.46					1	0		19.55	30	-10.45
132647 1777.5 256QAM 12 6 20.17 19.54 30 -10.46					1	24			30	
		132647	1//7.5	256QAM	12				30	
						0			30	

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Antenna	gain (dBi)	-0.63							
			LTE Band 66_U	plink freq	uency ba	ind : 1710 to 178	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average	EIRP Limit	Margin (dB)
				1	0	(dBm) 20.56	(dBm) 19.93	(dBm) 30	-10.07
				1	49	20.44	19.81	30	-10.19
	132022	1715	QP5K	25	12	20.47	19.84	30	-10.16
				50	0	20.40	19.77	30	-10.23
				1	0	20.66	20.03	30	-9.97
				1	49	20.55	19.92	30	-10.08
10	132322	1745	QP5K	25	12	20.44	19.81	30	-10.19
				50	0	20.58	19.95	30	-10.05
				1	0	20.52	19.89	30	-10.11
				1	49	20.48	19.85	30	-10.15
	132622	1775	QPSK	25	12	20.26	19.63	30	-10.37
				50	0	20.33	19.70	30	-10.3
				1	0	20.43	19.80	30	-10.2
				1	49	20.44	19.81	30	-10.19
	132022	1715	16QAM	25	12	20.41	19.78	30	-10.22
				50	0	20.44	19.81	30	-10.19
				1	0	20.64	20.01	30	-9.99
				1	49	20.57	19.94	30	-10.06
10	0 132322 1745	1745	16QAM	25	12	20.50	19.87	30	-10.13
				50	0	20.61	19.98	30	-10.02
				1	0	20.32	19.69	30	-10.31
				1	49	20.21	19.58	30	-10.42
	132622	1775	1775 16QAM	25	12	20.20	19.57	30	-10.43
				50	0	20.37	19.74	30	-10.26
				1	0	20.39	19.76	30	-10.24
				1	49	20.38	19.75	30	-10.25
	132022	1715	64QAM	25	12	20.49	19.86	30	-10.14
				50	0	20.39	19.76	30	-10.24
				1	0	20.55	19.92	30	-10.08
				1	49	20.56	19.93	30	-10.07
10	132322	1745	64QAM	25	12	20.55	19.92	30	-10.08
				50	0	20.48	19.85	30	-10.15
				1	0	20.22	19.59	30	-10.41
				1	49	20.22	19.59	30	-10.41
	132622	1775	64QAM	25	12	20.23	19.60	30	-10.4
				50	0	20.21	19.58	30	-10.42
				1	0	20.38	19.75	30	-10.25
				1	49	20.50	19.87	30	-10.13
	132022	1715	256QAM	25	12	20.38	19.75	30	-10.25
				50	0	20.48	19.85	30	-10.15
				1	0	20.62	19.99	30	-10.01
10	192922	1745	2550414	1	49	20.51	19.88	30	-10.12
10 132322	132322	1745	256QAM	25	12	20.53	19.90	30	-10.1
				50	0	20.52	19.89	30	-10.11
				1	0	20.20	19.57	30	-10.43
	190600	1776	2550414	1	49	20.31	19.68	30	-10.32
	132622	1775	256QAM	25	12	20.17	19.54	30	-10.46
				50	0	20.35	19.72	30	-10.28

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Antenna	gain (dBi)	-0.63	]						
			LTE Band 66_Up	plink freq	luency ba	and : 1710 to 178	0 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0 74	20.60	19.97 19.85	30 30	-10.03 -10.15
	132047	1717.5	QPSK	36 75	18 0	20.46 20.43	19.83 19.80	30 30	-10.17
15	400000	1745	OPSK	1	0 74	20.68 20.58	20.05 19.95	30 30	-9.95
10	132322	1/45	UPOK .	36 75	18 0	20.44 20.59	19.81 19.96	30 30	-10.19 -10.04
	132597	1772.5	QPSK	1	0 74	20.52 20.48	19.89 19.85	30 30	-10.11 -10.15
				36 75	18	20.24 20.34	19.61 19.71	30 30	-10.39
	132047	1717.5	16QAM	1 1 36	0 74 18	20.46 20.47 20.36	19.83 19.84 19.73	30 30 30	-10.17 -10.16 -10.27
				75	0	20.46	19.83	30 30 30	-10.27 -10.17 -10.01
15	132322	1745	16QAM	1 36	74 18	20.59 20.49	19.96 19.86	30 30	-10.04 -10.14
				75 1 1	0 0 74	20.58 20.33 20.24	19.95 19.70 19.61	30 30 30	-10.05 -10.3 -10.39
	132597	1772.5	16QAM	36 75	18	20.20 20.35	19.57 19.72	30 30	-10.43 -10.28
	132047	1717.5	64QAM	1 1 36	0 74 18	20.41 20.39 20.51	19.78 19.76 19.88	30 30 30	-10.22 -10.24 -10.12
				75	0	20.40	19.77 19.87	30 30	-10.23
15	132322	1745	64QAM	1 36 75	74 18	20.60	19.97 19.93	30 30	-10.03 -10.07 -10.12
	132597	1772.5	64QAM	75 1 1 36	0 0 74 18	20.51 20.20 20.22 20.22	19.88 19.57 19.59 19.59	30 30 30 30	-10.12 -10.43 -10.41 -10.41
				75 1	0	20.19 20.37	19.56 19.74	30 30	-10.44 -10.26
	132047	1717.5	256QAM	1 36 75	74 18 0	20.54 20.37 20.49	19.91 19.74 19.86	30 30 30	-10.09 -10.26 -10.14
15	132322	1745	256QAM	1 1 36	0 74 18	20.61 20.50 20.53	19.98 19.87 19.90	30 30 30	-10.02 -10.13 -10.1
	192507	1772 5	2550414	75 1 1	0 0 74	20.56 20.20 20.34	19.93 19.57 19.71	30 30 30	-10.07 -10.43 -10.29
	132597	1772.5	256QAM	36 75	18 0	20.22 20.34	19.59 19.71	30 30	-10.41 -10.29

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LTE Band 66, Uplink (frequency band : 1710 to 1780 MHz           BW (NHz)         UL Channel         Frequency (MHz)         Modulation (MHz)         Rs 5/se (MHz)         Conducted (refer) (refer) (refer)         EIRP (refer) (refer) (refer)         EIRP (refer) (refer)         Morgin (refer) (refer)         Morgin (refer) (refer)         Morgin (refer)           20         132072         1720         QPSK         1         0         20.84         20.05         30         49.85           20         132322         1745         QPSK         1         0         20.57         19.84         30         -10.16           100         0         20.45         19.82         30         -10.26         -10.26           11         99         20.57         19.84         30         -10.26         -10.26           1232572         1770         QPSK         1         99         20.35         19.87         30         -10.38           132072         1720         160AM         1         99         20.44         19.81         30         -10.22           132072         1720         160AM         1         99         20.43         19.80         30         -10.23           132072         1720	Antenna	gain (dBi)	-0.63	]						
BM         UL         Prequency (MRz)         Modulation (MRz)         R8         R8         R8         Average (dBm)         Average (dBm)         Link         Marge (dBm)         Link         Marge (dBm)         Link         Marge (dBm)         Link         Marge (dBm)         Link         Marge (dBm)         Ma				LTE Band 66_U	plink freq	luency ba	and : 1710 to 178	0 MHz		
1         0         20.88         20.05         30         -9.95           1         99         20.47         19.84         30         -10.16           100         0         20.47         19.84         30         -10.16           100         0         20.45         19.82         30         -10.16           100         0         20.45         19.80         30         -10.2           112322         1745         QPSK         1         99         20.57         19.94         30         -10.05           13257         1770         QPSK         1         0         20.55         19.82         30         -10.08           13257         1770         QPSK         1         0         20.65         19.82         30         -10.13           13257         1720         16QAM         1         99         20.44         19.81         30         -10.24           132322         1745         16QAM         1         99         20.45         19.82         30         -10.19           132322         1745         16QAM         1         99         20.55         19.82         30         -10.24				Modulation			Average	Average	Limit	-
132072         1720         OPSK         50         25         20 45         19.82         30         -10.18           20         132322         1745         OPSK         1         99         20.57         19.84         30         -10.2           132522         1745         OPSK         1         99         20.57         19.84         30         -10.08           132572         1770         OPSK         1         99         20.55         19.82         30         -10.02           132572         1770         OPSK         1         99         20.50         19.87         30         -10.29           132572         1770         OPSK         1         0         20.84         19.80         30         -10.29           132072         1720         160AM         1         99         20.44         19.81         30         -10.29           132372         1745         160AM         1         99         20.44         19.81         30         -10.21           132572         1770         160AM         1         99         20.23         19.80         30         -10.4           132572         1770         160AM							20.68	20.05	30	
20         100         0         20.43         19.80         30         -10.2           132322         1745         OPSK         1         0         20.71         20.98         30         -49.2           132322         1745         OPSK         1         99         20.57         19.94         30         -10.05           132572         1770         OPSK         1         99         20.50         19.87         30         -10.13           100         0         20.52         19.87         30         -10.13         -10.23           100         0         20.52         19.87         30         -10.13         -10.23           1100         0         20.34         19.81         30         -10.13         -10.13           112072         1720         16QAM         1         99         20.44         19.81         30         -10.19           132572         1745         16QAM         1         99         20.55         19.82         30         -10.8           132572         1770         16QAM         1         99         20.35         19.56         30         -10.4           132572         1770		132072	1720	QPSK						
20         132322         1745         QPSK         1         0         20.17         20.86         30         4.9.2           132322         1745         QPSK         1         99         20.57         19.94         30         -10.05           132572         1770         QPSK         1         99         20.55         19.92         30         -10.2           132572         1770         QPSK         1         99         20.50         19.87         30         -10.13           132572         1770         QPSK         1         99         20.50         19.87         30         -10.23           132072         1720         16QAM         1         99         20.44         19.81         30         -10.23           132072         1725         16QAM         1         99         20.44         19.81         30         -10.23           132222         1745         16QAM         1         99         20.85         19.92         30         -10.04           10         0         20.83         19.92         30         -10.41         10.9         20.85         19.92         30         -10.41           12227										
20         132322         1745         QPSK         1         99         20.57         19.94         30         -10.05           132572         1770         QPSK         10         0         20.55         19.92         30         -10.108           132572         1770         QPSK         1         0         20.95         19.87         30         -10.13           132572         1770         QPSK         1         0         20.86         19.87         30         -10.13           132572         1720         16QAM         1         99         20.44         19.81         30         -10.21           132572         1745         16QAM         1         99         20.44         19.81         30         -10.22           132572         1745         16QAM         1         99         20.85         19.92         30         -10.23           132572         1770         16QAM         1         99         20.85         19.92         30         -10.16           132572         1770         16QAM         1         99         20.23         19.80         30         -10.23           132572         1770         64QAM <td></td>										
100         100         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         0         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>					1					
132572         1770         QPSK         1         0         20.66         20.03         30         -4.97           132572         1770         QPSK         1         99         20.50         19.87         30         -10.13           100         0         20.35         19.82         30         -10.38           100         0         20.34         19.82         30         -10.29           100         0         20.44         19.81         30         -10.29           100         0         20.44         19.81         30         -10.23           100         0         20.41         19.77         30         -10.23           100         0         20.41         19.77         30         -10.23           100         0         20.41         19.77         30         -10.23           100         0         20.41         19.77         30         -10.23           132372         1745         16QAM         1         99         20.23         19.80         30         -10.4           132572         1770         16QAM         1         99         20.23         19.80         30         -10.23	20	132322	1745	QPSK	50	25	20.43	19.80	30	-10.2
132572         1770         QPSK         1         99         20.50         19.87         30         -10.13           50         25         20.25         19.82         30         -10.38           1         0         0.234         19.82         30         -10.29           1         1         0         20.43         19.80         30         -10.29           1         1         0         20.44         19.81         30         -10.29           1         1         0         20.44         19.81         30         -10.21           1         1         0         20.43         19.80         30         -10.23           1         1         0         20.65         19.92         30         -10.23           1         1         0         20.55         19.92         30         -10.16           1         1         99         20.23         19.86         30         -10.16           13287         1770         160AM         1         99         20.23         19.86         30         -10.23           132072         1720         640AM         1         99         20.57         1					100	0	20.55	19.92	30	-10.08
1323/2         17/0         GPSK         50         25         20.25         19.62         30         -10.38           100         0         20.34         19.71         30         -10.29           132072         1720         16QAM         1         99         20.44         19.81         30         -10.19           1         99         20.44         19.81         30         -10.23         -10.23           1         100         0         20.43         19.77         30         -10.23           1         100         20.44         19.81         30         -10.23         -10.23           1         100         20.44         19.77         30         -10.23         -10.23           1         100         20.55         19.92         30         -10.08         -10.23           132322         1745         16QAM         1         99         20.53         19.80         30         -10.4           132572         1770         16QAM         1         99         20.35         19.75         30         -10.25           1         122072         1720         64QAM         1         99         20.15 <t< td=""><td></td><td></td><td></td><td></td><td>1</td><td>0</td><td>20.66</td><td>20.03</td><td>30</td><td>-9.97</td></t<>					1	0	20.66	20.03	30	-9.97
20         25         20         25         19,62         30         -10.38           100         0         20,34         19,671         30         -10.29           132072         1720         160AM         1         99         20.44         19,81         30         -10.2           1         99         20,44         19,81         30         -10.2         10.2           1         99         20,44         19,81         30         -10.23         10.2           1         100         0         20,41         19,77         30         -10.22           1         100         20,53         20,00         30         -10           1         99         20,55         20,047         19,84         30         -10.16           1         100         0         20,25         19,60         30         -10.4           100         0         20,23         19,60         30         -10.4           100         0         20,38         19,75         30         -10.25           132572         1770         640AM         1         99         20,35         19,50         30         -10.12 <t< td=""><td></td><td>100570</td><td>1770</td><td>ODEK</td><td>1</td><td>99</td><td>20.50</td><td>19.87</td><td>30</td><td>-10.13</td></t<>		100570	1770	ODEK	1	99	20.50	19.87	30	-10.13
132072         1720         160AM         1         0         20.43         19.80         30         -10.2           20         132322         1720         160AM         1         99         20.44         19.81         30         -10.19           100         0         20.41         19.77         30         -10.22           132322         1745         16QAM         1         99         20.53         20.00         30         -10           132572         1745         16QAM         1         99         20.53         20.00         30         -10.8           132572         1770         16QAM         1         99         20.23         19.66         30         -10.34           1         0         20.23         19.60         30         -10.4         10.25           132572         1770         16QAM         1         99         20.23         19.60         30         -10.4           100         0         20.38         19.75         30         -10.25         10.28           132072         1720         64QAM         1         99         20.57         19.94         30         -10.28           1		1323/2	1//0	QPOK	50	25	20.25	19.62	30	-10.38
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					100	0	20.34	19.71	30	-10.29
132072         1720         16QAM         50         25         20.40         19.77         30         -10.23           20         132322         1745         16QAM         1         0         20.63         20.60         30         -10.22           132322         1745         16QAM         1         0         20.63         20.60         30         -10.25           132572         1770         16QAM         1         0         20.63         20.00         30         -10.16           132572         1770         16QAM         1         0         20.23         19.60         30         -10.4           132572         1770         16QAM         1         99         20.23         19.60         30         -10.4           132572         1770         16QAM         1         99         20.35         19.72         30         -10.25           132072         1720         64QAM         1         99         20.35         19.72         30         -10.12           132572         1745         64QAM         1         99         20.57         19.84         30         -10.11           132572         1745         64QAM <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0</td> <td>20.43</td> <td>19.80</td> <td>30</td> <td>-10.2</td>					1	0	20.43	19.80	30	-10.2
20         132322         1745         16QAM         50         25         20.40         19.77         50         -10.23           100         0         20.41         19.78         30         -10.22           11         0         20.65         20.00         30         -10.23           11         99         20.55         19.92         30         -10.08           100         0         20.55         19.92         30         -10.08           100         0         20.55         19.92         30         -10.16           100         0         20.55         19.92         30         -10.16           11         0         20.23         19.86         30         -10.14           11         99         20.23         19.80         30         -10.4           100         0         20.35         19.50         30         -10.22           132072         1720         64QAM         1         99         20.35         19.90         30         -10.1           100         0         20.41         19.77         30         -10.23         -10.1           132072         1745         64QAM		132072	1720	150414	1	99	20.44	19.81	30	-10.19
20         132322         1745         16QAM         1         0         20.63         20.00         30         -10           132322         1745         16QAM         1         99         20.55         19.92         30         -10.08           132572         1770         16QAM         10         0         20.63         20.00         30         -10           132572         1770         16QAM         1         99         20.23         19.60         30         -10.4           1         0         20.28         19.60         30         -10.4           1         100         0         20.38         19.75         30         -10.28           1         100         0         20.38         19.75         30         -10.28           1         100         0         20.41         19.75         30         -10.28           1         100         0         20.41         19.76         30         -10.28           1         100         0         20.40         19.77         30         -10.23           1         100         20.57         19.94         30         -10.16           100		102012	1120	105gmini	50	25	20.40	19.77	30	-10.23
20         132322         1745         16QAM         1         99         20.55         19.92         30         -10.05           100         0         20.83         20.00         30         -10.15         100         0         20.83         20.00         30         -10.15           132572         1770         16QAM         1         99         20.23         19.60         30         -10.4           132572         1770         16QAM         1         99         20.23         19.60         30         -10.4           100         0         20.35         19.75         30         -10.25         -10.25           132072         1720         64QAM         1         99         20.35         19.72         30         -10.23           1         199         20.35         19.72         30         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10.23         -10					100	0	20.41	19.78		-10.22
20         132322         1745         160AM         50         25         20.47         19.84         30         -10.16           100         0         20.63         20.80         30         -10         30         -10           132572         1770         160AM         1         0         20.23         19.86         30         -10.4           132572         1770         160AM         1         99         20.23         19.80         30         -10.4           100         0         20.38         19.50         30         -10.4         -10.25           132072         1720         640AM         1         99         20.35         19.72         30         -10.28           132072         1720         640AM         1         99         20.57         19.84         30         -10.28           132322         1745         640AM         1         0         20.57         19.84         30         -10.16           100         0         20.57         19.84         30         -10.16         -10.28           132572         1770         640AM         1         0         20.52         19.89         30 <td< td=""><td></td><td></td><td></td><td></td><td>1</td><td>0</td><td>20.63</td><td></td><td>30</td><td>-10</td></td<>					1	0	20.63		30	-10
1         50         25         20.47         19.84         30         -10.16           100         0         20.63         20.00         30         -10           132572         1770         16QAM         1         99         20.23         19.65         30         -10.4           1         99         20.23         19.60         30         -10.4           100         0         20.38         19.75         30         -10.4           100         0         20.38         19.75         30         -10.25           1100         0         20.35         19.72         30         -10.28           1100         0         20.41         19.78         30         -10.28           1100         0         20.41         19.77         30         -10.28           1100         0         20.41         19.77         30         -10.23           113232         1745         64QAM         1         99         20.57         19.94         30         -10.11           132572         1770         64QAM         1         99         20.18         19.55         30         -10.14           132572	20	192922	1745	150444	1	99	20.55	19.92	30	-10.08
132572         1770         16QAM         1         0         20.29         19.66         30         -10.34           1         99         20.23         19.60         30         -10.4           50         25         20.23         19.60         30         -10.4           50         25         20.23         19.60         30         -10.4           100         0         20.38         19.75         30         -10.25           1100         0         20.41         19.75         30         -10.22           132072         1720         64QAM         1         99         20.35         19.90         30         -10.12           100         0         20.41         19.77         30         -10.23         -10.23           1132572         1745         64QAM         1         0         20.57         19.84         30         -10.12           132572         1770         64QAM         1         99         20.57         19.89         30         -10.11           100         0         20.52         19.59         30         -10.12           132572         1770         64QAM         1         99 </td <td>20</td> <td rowspan="2">20 132322 174</td> <td>1140</td> <td>105phill</td> <td>50</td> <td>25</td> <td>20.47</td> <td>19.84</td> <td>30</td> <td>-10.16</td>	20	20 132322 174	1140	105phill	50	25	20.47	19.84	30	-10.16
132572         1770         16QAM         1         99         20.23         19.80         30         -10.4           50         25         20.23         19.80         30         -10.4           100         0         20.38         19.75         30         -10.25           112072         1720         64QAM         1         99         20.35         19.72         30         -10.22           1132072         1720         64QAM         1         99         20.35         19.72         30         -10.28           100         0         20.41         19.77         30         -10.28         -10.1         10.23         -10.1         10.23         -10.1           100         0         20.40         19.77         30         -10.28         -10.1         -10.28         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.23         -10.1         -10.1         -10.1         -					100	0	20.63	20.00	30	-10
132572         1770         16QAM         50         25         20.23         19.60         30         -10.4           100         0         20.38         19.75         30         -10.25           132072         1720         64QAM         1         99         20.35         19.72         30         -10.22           1         99         20.35         19.72         30         -10.28         -10.1           1         99         20.35         19.90         30         -10.12         -10.1           100         0         20.40         19.77         30         -10.23         -10.12           1         99         20.57         19.94         30         -10.12         -10.12           1         99         20.57         19.94         30         -10.12           1         99         20.57         19.94         30         -10.10           100         0         20.52         19.89         30         -10.11           100         0         20.52         19.95         30         -10.41           1         1         99         20.15         19.89         30         -10.45					1	0	20.29	19.66		-10.34
20         25         20.23         19.60         30         -10.4           100         0         20.38         19.75         30         -10.25           132072         1720         64QAM         1         99         20.35         19.72         30         -10.25           1         99         20.35         19.72         30         -10.25         50         25         20.53         19.70         30         -10.25           100         0         20.41         19.78         30         -10.23         -10.23           100         0         20.40         19.77         30         -10.23         -10.12           100         0         20.57         19.94         30         -10.12           113232         1745         64QAM         1         99         20.57         19.94         30         -10.11           100         0         20.52         19.89         30         -10.11         10.05         10.11         10.05         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11         10.11 <t< td=""><td></td><td>132572</td><td>1770</td><td>160AM</td><td>1</td><td>99</td><td>20.23</td><td>19.60</td><td>30</td><td>-10.4</td></t<>		132572	1770	160AM	1	99	20.23	19.60	30	-10.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		TOLOT 2		10-sphill	50	25	20.23	19.60	30	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					100	0	20.38	19.75	30	-10.25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		132072	1720	640AM						
20         132322         1745         64QAM         1         0         20.51         19.88         30         -10.12           132322         1745         64QAM         1         99         20.57         19.94         30         -10.06           100         0         20.52         20.53         19.90         30         -10.1           132572         1770         64QAM         1         0         20.22         19.89         30         -10.11           132572         1770         64QAM         1         0         20.22         19.59         30         -10.41           1         0         20.22         19.59         30         -10.41         1         19.99         20.18         19.55         30         -10.45           1         10         20.23         19.60         30         -10.45         10.39         10.4         10.39         10.4         10.4         10.24         10.4         10.24         10.4         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.24         10.19         10.24         10.19         10.20.44         19.85         30										
20         132322         1745         64QAM         1         99         20.57         19.94         30         -10.06           100         0         20.52         20.53         19.90         30         -10.1           132572         1770         64QAM         1         0         20.52         19.89         30         -10.11           132572         1770         64QAM         1         0         20.22         19.59         30         -10.41           1         99         20.16         19.55         30         -10.45           132572         1770         64QAM         1         99         20.18         19.55         30         -10.45           1         100         0         2023         19.60         30         -10.45           1         100         0         20.23         19.60         30         -10.45           1         100         0         20.23         19.60         30         -10.25           1         100         0         20.44         19.81         30         -10.14           100         0         20.44         19.81         30         -10.14 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						-				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20	132322	1745	64QAM						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
100         0         20.23         19.60         30         -10.4           132072         1720         256QAM         1         0         20.38         19.75         30         -10.25           1         99         20.52         19.89         30         -10.11           50         25         20.39         19.76         30         -10.24           100         0         20.44         19.81         30         -10.24           100         0         20.44         19.81         30         -10.24           100         0         20.44         19.81         30         -10.24           100         0         20.44         19.81         30         -10.19           132322         1745         256QAM         1         0         20.64         20.01         30         -9.99           132572         1745         256QAM         1         99         20.49         19.86         30         -10.14           100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         0         20.30         19.67         30         -10.33 <td></td> <td>132572</td> <td>1770</td> <td>64QAM</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		132572	1770	64QAM						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						-				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
20         132322         1745         256QAM         1         0         20.44         19.81         30         -10.19           20         132322         1745         256QAM         1         0         20.64         20.01         30         -9.99           1         99         20.49         19.85         30         -10.14           50         25         20.56         19.93         30         -10.07           100         0         20.53         19.90         30         -10.1           100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         99         20.30         19.67         30         -10.33           132572         1770         256QAM         25         20.16         19.53         30         -10.47		132072	1720	256QAM						
20         132322         1745         256QAM         1         0         20.64         20.01         30         -9.99           1         99         20.49         19.86         30         -10.14           50         25         20.56         19.93         30         -10.07           100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         99         20.30         19.61         30         -10.33           132572         1770         256QAM         25         20.16         19.53         30         -10.33										
20         132322         1745         256QAM         1         99         20.49         19.86         30         -10.14           50         25         20.56         19.93         30         -10.07           100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         0         20.24         19.61         30         -10.39           132572         1770         256QAM         1         99         20.30         19.67         30         -10.33           50         25         20.16         19.53         30         -10.47					<u> </u>					
20         132322         1745         256QAM         50         25         20.56         19.93         30         -10.07           100         0         20.53         19.90         30         -10.1           100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         99         20.30         19.67         30         -10.33           132572         1770         256QAM         50         25         20.16         19.53         30         -10.47						-				
100         0         20.53         19.90         30         -10.1           132572         1770         256QAM         1         0         20.24         19.61         30         -10.39           132572         1770         256QAM         1         99         20.30         19.67         30         -10.33           50         25         20.16         19.53         30         -10.47	20	132322	1745	256QAM						
132572         1770         256QAM         1         0         20.24         19.61         30         -10.39           1         99         20.30         19.67         30         -10.33           50         25         20.16         19.53         30         -10.47										
132572 1770 256QAM 1 99 20.30 19.67 30 -10.33 50 25 20.16 19.53 30 -10.47					<u> </u>					
132572 1770 256QAM 50 25 20.16 19.53 30 -10.47										
		132572	1770	256QAM						
					100	0	20.33	19.70	30	-10.3

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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GS Taiwan Ltd.

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Antenna	gain (dBi)	-0.55	]						
			LTE Band 71_U	plink free	quency b				
BW	UL	Frequency		RB	RB	Conducted	ERP	ERP	Margin
(MHz)	Channel	(MHz)	Modulation	Size	Offset	Average	Average	Limit	(dB)
(	onanio	(2)		0120		(dBm)	(dBm)	(dBm)	
				1	0	22.83	20.13	34.77	-14.64
	133147	665.5	QPSK	1	24	22.81	20.11	34.77	-14.66
	100147	000.0	QLOIC	12	6	22.82	20.12	34.77	-14.65
				25	0	22.89	20.19	34.77	-14.58
				1	0	22.84	20.14	34.77	-14.63
5	133297	680.5	QPSK	1	24	22.83	20.13	34.77	-14.64
5	155257	000.5	QFOR	12	6	22.94	20.24	34.77	-14.53
				25	0	22.95	20.25	34.77	-14.52
				1	0	22.89	20.19	34.77	-14.58
	122447	605 F		1	24	22.90	20.20	34.77	-14.57
	133447	695.5	QPSK	12	6	22.80	20.10	34.77	-14.67
				25	0	22.85	20.15	34.77	-14.62
				1	0	22.91	20.21	34.77	-14.56
	100117	005.5	400414	1	24	22.87	20.17	34.77	-14.6
	133147	665.5	16QAM	12	6	22.89	20.19	34.77	-14.58
				25	0	22.86	20.16	34.77	-14.61
				1	0	22.95	20.25	34.77	-14.52
_				1	24	22.92	20.22	34.77	-14.55
5	133297	680.5	16QAM	12	6	22.84	20.14	34.77	-14.63
				25	0	22.79	20.09	34.77	-14.68
				1	0	22.92	20.22	34.77	-14.55
				1	24	22.92	20.22	34.77	-14.55
	133447	695.5	16QAM	. 12	6	22.86	20.16	34.77	-14.61
				25	0	22.83	20.13	34.77	-14.64
				1	0	22.96	20.26	34.77	-14.51
				1	24	22.79	20.09	34.77	-14.68
	133147	665.5	64QAM	12	6	22.84	20.03	34.77	-14.63
				25	0	22.97	20.14	34.77	-14.5
				1	0	22.88	20.18	34.77	-14.59
				1	24	22.96	20.10	34.77	-14.51
5	133297	680.5	64QAM	12	6	22.80	20.20	34.77	-14.67
				25	0	22.90	20.10	34.77	-14.57
			+	1	0	22.90	20.20 20.27	34.77	-14.57
				1	24	22.97	20.27	34.77	-14.5
	133447	695.5	64QAM	12	6	22.89	20.17	34.77	-14.6
				25	0	22.89	20.19	34.77	-14.58
				25	0	22.69	20.19	34.77	-14.50
				-	24				-14.54 -14.52
	133147	665.5	256QAM	1		22.95	20.25	34.77	
				12	6	22.95	20.25	34.77	-14.52
	├			25	0	22.82	20.12	34.77	-14.65
				1	0	22.92	20.22	34.77	-14.55
5	133297	680.5	256QAM	1	24	22.89	20.19	34.77	-14.58
				12	6	22.96	20.26	34.77	-14.51
				25	0	22.96	20.26	34.77	-14.51
				1	0	22.83	20.13	34.77	-14.64
	133447	695.5	256QAM	1	24	22.81	20.11	34.77	-14.66
				12	6	22.84	20.14	34.77	-14.63
				25	0	22.84	20.14	34.77	-14.63

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Antenna	gain (dBi)	-0.55							
		-	LTE Band 71_U	plink free	quency b	and : 663 to 698			
BW	UL	Frequency		RB	RB	Conducted	ERP	ERP	Margin
(MHz)	Channel	(MHz)	Modulation	Size	Offset	Average	Average	Limit	(dB)
(	onanioi	(2)		0120		(dBm)	(dBm)	(dBm)	
				1	0	22.98	20.28	34.77	-14.49
	133172	668	QPSK	1	49	22.93	20.23	34.77	-14.54
	100172	000	QUON	25	12	22.96	20.26	34.77	-14.51
				50	0	22.90	20.20	34.77	-14.57
				1	0	22.87	20.17	34.77	-14.6
10	133297	680.5	QPSK	1	49	22.83	20.13	34.77	-14.64
10	100201	000.0	QLOK	25	12	22.81	20.11	34.77	-14.66
				50	0	22.93	20.23	34.77	-14.54
				1	0	22.88	20.18	34.77	-14.59
	133422	693	QPSK	1	49	22.90	20.20	34.77	-14.57
	155422	093	QFSK	25	12	22.88	20.18	34.77	-14.59
				50	0	22.97	20.27	34.77	-14.5
				1	0	22.84	20.14	34.77	-14.63
	400470	000	400414	1	49	22.84	20.14	34.77	-14.63
	133172	668	16QAM	25	12	22.94	20.24	34.77	-14.53
				50	0	22.81	20.11	34.77	-14.66
				1	0	22.81	20.11	34.77	-14.66
				1	49	22.79	20.09	34.77	-14.68
10	133297	680.5	16QAM	25	12	22.88	20.18	34.77	-14.59
				50	0	22.97	20.27	34.77	-14.5
				1	0	22.83	20.13	34.77	-14.64
				1	49	22.89	20.19	34.77	-14.58
	133422	693	93 16QAM	25	10	22.88	20.18	34.77	-14.59
				50	0	22.90	20.20	34.77	-14.57
				1	0	22.90	20.20	34.77	-14.57
				1	49	22.83	20.13	34.77	-14.64
	133172	668	64QAM	25	10	22.92	20.22	34.77	-14.55
				50	0	22.80	20.22	34.77	-14.67
				1	0	22.87	20.10	34.77	-14.6
				1	49	22.85	20.17	34.77	-14.62
10	133297	680.5	64QAM	25	12	22.03	20.13	34.77	-14.5
				50	0	22.97	20.27	34.77	-14.5
				1	0	22.81	20.27	34.77	-14.66
				1	49	22.98	20.11	34.77	-14.00
	133422	693	64QAM	25	12	22.90	20.20	34.77	-14.53
				50 1	0	22.89 22.95	20.19 20.25	34.77 34.77	-14.58 -14.52
				-	-		20.25	34.77	
	133172	668	256QAM	1	49	22.94			-14.53
				25	12	22.90	20.20	34.77	-14.57
				50	0	22.87	20.17	34.77	-14.6 -14.51
				1	0	22.96	20.26	34.77	
10	133297	680.5	256QAM	1	49	22.81	20.11	34.77	-14.66
				25	12	22.87	20.17	34.77	-14.6
				50	0	22.91	20.21	34.77	-14.56
					0	22.89	20.19	34.77	-14.58
	133422	693	256QAM	1	49	22.97	20.27	34.77	-14.5
				25	12	22.81	20.11	34.77	-14.66
				50	0	22.79	20.09	34.77	-14.68

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Antenna	gain (dBi)	-0.55							
	-		LTE Band 71_U	plink free	quency b				
BW	UL	Frequency		RB	RB	Conducted	ERP	ERP	Margin
(MHz)	Channel	(MHz)	Modulation	Size	Offset	Average	Average	Limit	(dB)
(11112)	Channor	(11112)		0120		(dBm)	(dBm)	(dBm)	
				1	0	22.81	20.11	34.77	-14.66
	133197	670.5	QPSK	1	74	22.87	20.17	34.77	-14.6
	155157	070.5	QFOR	36	18	22.84	20.14	34.77	-14.63
				75	0	22.96	20.26	34.77	-14.51
				1	0	22.94	20.24	34.77	-14.53
15	133297	680.5	QPSK	1	74	22.95	20.25	34.77	-14.52
15	133297	000.5	QFSK	36	18	22.89	20.19	34.77	-14.58
				75	0	22.96	20.26	34.77	-14.51
				1	0	22.92	20.22	34.77	-14.55
	400007	000 F	0001/	1	74	22.95	20.25	34.77	-14.52
	133397	690.5	QPSK	36	18	22.85	20.15	34.77	-14.62
				75	0	22.85	20.15	34.77	-14.62
				1	0	22.87	20.17	34.77	-14.6
				1	74	22.86	20.16	34.77	-14.61
	133197	670.5	16QAM	36	18	22.96	20.26	34.77	-14.51
				75	0	22.81	20.11	34.77	-14.66
				1	0	22.84	20.14	34.77	-14.63
				1	74	22.97	20.14	34.77	-14.5
15	133297	680.5	16QAM	36	18	22.93	20.23	34.77	-14.54
				75	0	22.88	20.23	34.77	-14.59
					0	22.80	20.18	34.77	-14.59
	400007 000 -			1	74	22.01	20.11	34.77	-14.66
	133397	690.5	16QAM	1					
				36	18	22.97	20.27	34.77	-14.5
				75	0	22.96	20.26	34.77	-14.51
				1	0	22.83	20.13	34.77	-14.64
	133197	670.5	64QAM	1	74	22.87	20.17	34.77	-14.6
				36	18	22.94	20.24	34.77	-14.53
				75	0	22.88	20.18	34.77	-14.59
				1	0	22.80	20.10	34.77	-14.67
15	133297	680.5	64QAM	1	74	22.86	20.16	34.77	-14.61
10	100201	00010	0100	36	18	22.83	20.13	34.77	-14.64
				75	0	22.79	20.09	34.77	-14.68
				1	0	22.94	20.24	34.77	-14.53
	133397	690.5	64QAM	1	74	22.89	20.19	34.77	-14.58
	100007	030.5	0-QAM	36	18	22.98	20.28	34.77	-14.49
				75	0	22.84	20.14	34.77	-14.63
				1	0	22.85	20.15	34.77	-14.62
	100407	670 5		1	74	22.82	20.12	34.77	-14.65
	133197	670.5	256QAM	36	18	22.78	20.08	34.77	-14.69
				75	0	22.88	20.18	34.77	-14.59
				1	0	22.95	20.25	34.77	-14.52
4-	400007		0500	1	74	22.79	20.09	34.77	-14.68
15	133297	680.5	256QAM	36	18	22.86	20.16	34.77	-14.61
				75	0	22.97	20.27	34.77	-14.5
		1	1	1	0	22.93	20.23	34.77	-14.54
				1	74	22.82	20.12	34.77	-14.65
	133397	690.5	256QAM	36	18	22.84	20.12	34.77	-14.63
				75	0	22.98	20.14	34.77	-14.49
	1			15	0	22.30	20.20	JT.11	-14.43

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Antenna	gain (dBi)	-0.55							
			LTE Band 71_U	plink free	quency b				
BW	UL	Frequency		RB	RB	Conducted	ERP	ERP	Margin
(MHz)	Channel	(MHz)	Modulation	Size	Offset	Average	Average	Limit	(dB)
(101112)	ondriner	(10112)		0120	Cliber	(dBm)	(dBm)	(dBm)	
				1	0	22.96	20.26	34.77	-14.51
	133222	673	QPSK	1	99	22.83	20.13	34.77	-14.64
	133222	075	QFSK	50	25	22.85	20.15	34.77	-14.62
				100	0	22.86	20.16	34.77	-14.61
				1	0	22.99	20.29	34.77	-14.48
00	400007	600 F	0001/	1	99	22.92	20.22	34.77	-14.55
20	133297	680.5	QPSK	50	25	22.87	20.17	34.77	-14.6
				100	0	22.90	20.20	34.77	-14.57
				1	0	22.95	20.25	34.77	-14.52
				1	99	22.90	20.20	34.77	-14.57
	133372	688	QPSK	50	25	22.84	20.14	34.77	-14.63
				100	0	22.83	20.13	34.77	-14.64
				1	0	22.80	20.10	34.77	-14.67
				1	99	22.86	20.10	34.77	-14.61
	133222	673	16QAM	50	25	22.00	20.10	34.77	-14.53
				100	0		20.24		-14.55
				100	-	22.91		34.77	
					0	22.81	20.11	34.77	-14.66
20	133297	680.5	16QAM	1	99	22.91	20.21	34.77	-14.56
				50	25	22.97	20.27	34.77	-14.5
				100	0	22.84	20.14	34.77	-14.63
				1	0	22.95	20.25	34.77	-14.52
	133372	688	588 16QAM	1	99	22.88	20.18	34.77	-14.59
	100072	660		50	25	22.78	20.08	34.77	-14.69
				100	0	22.82	20.12	34.77	-14.65
				1	0	22.85	20.15	34.77	-14.62
	133222	673	64QAM	1	99	22.90	20.20	34.77	-14.57
	133222	075	04QAIVI	50	25	22.92	20.22	34.77	-14.55
				100	0	22.98	20.28	34.77	-14.49
				1	0	22.79	20.09	34.77	-14.68
00	400007	600 F	640414	1	99	22.96	20.26	34.77	-14.51
20	133297	680.5	64QAM	50	25	22.82	20.12	34.77	-14.65
				100	0	22.90	20.20	34.77	-14.57
				1	0	22.89	20.19	34.77	-14.58
				1	99	22.95	20.25	34.77	-14.52
	133372	688	64QAM	50	25	22.85	20.15	34.77	-14.62
				100	0	22.86	20.16	34.77	-14.61
			+	100	0	22.88	20.10	34.77	-14.01
				1	99	22.88	20.18	34.77	-14.59
	133222	673	256QAM	F0					
				50	25	22.92	20.22	34.77	-14.55
			-	100	0	22.86	20.16	34.77	-14.61
				1	0	22.93	20.23	34.77	-14.54
20	133297	680.5	256QAM	1	99	22.79	20.09	34.77	-14.68
				50	25	22.97	20.27	34.77	-14.5
				100	0	22.82	20.12	34.77	-14.65
				1	0	22.80	20.10	34.77	-14.67
	133372	688	256QAM	1	99	22.95	20.25	34.77	-14.52
	100072	000	2000/10	50	25	22.95	20.25	34.77	-14.52
				100	0	22.89	20.19	34.77	-14.58

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# 8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

# 8.1 Standard Applicable

According to FCC §2.1053,

#### FCC §22.917(a), §24.238(a), §27.53(h), §90.543(e)(3)

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

#### FCC §27.53(a)

For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

- (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
  - (ii) By a factor of not less than 70 + 10 log (P) dB below 2288 MHz;
  - (iii) By a factor of not less than 70 + 10 log (P) dB above 2365 MHz.

### FCC §27.53(g)

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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

# FCC §90.543 (f)

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

#### FCC §27.53(h)(1)

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

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### FCC §27.53(m) (4) (6)

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

Measurement procedure. Compliance with these rules is based on the use of measurement nstrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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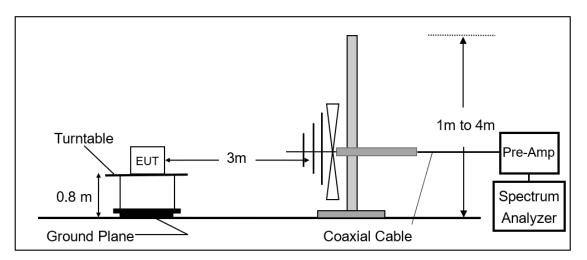
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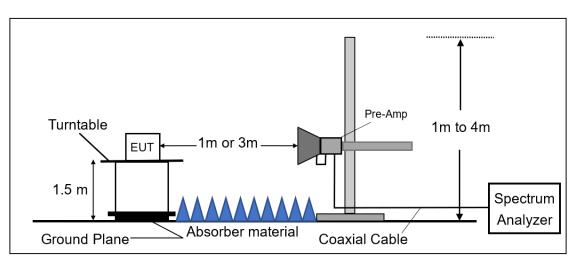


# 8.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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#### 8.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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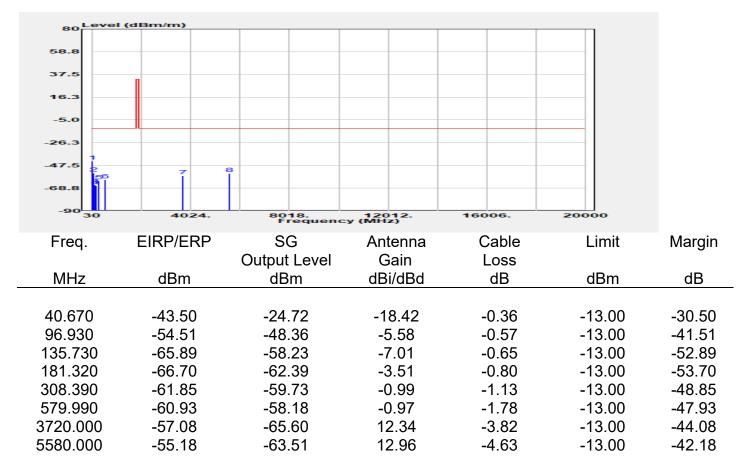
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#### 8.4 Measurement Result:

Report Number	:TERF2206000812E2	Test Site	:SAC D
Operation Mode	:LTE B2	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:1860 MHz	Engineer	:Howard Huang



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Report Number	:TERF2206000812E2		Test			
Operation Mode	:LTE B2		Test	Date :202	2-06-22	
Test Mode	:TX		Tem	p./Humi. :23.8	8/68	
EUT Pol	:NB Plane		Ante	nna Pol.   :Hori	zontal	
Test Frequency	:1860 MHz		Engi	neer :How	/ard Huang	
80 Level (d	Bm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	7 8					
-68.8						
-90 30	4024.	8018. Frequence	12012. y (MHz)	16006.	20000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
35.820	-48.30	-28.99	-18.97	-0.34	-13.00	-35.30
94.020 222.060	-64.49	-58.54	-5.38 0.13	-0.57 -0.88	-13.00	-51.49
270.560	-67.79 -64.51	-67.04 -62.61	-0.91	-0.88	-13.00 -13.00	-54.79 -51.51
307.420	-64.51	-59.64	-0.91	-0.99	-13.00	-48.74
490.750	-68.56	-66.26	-0.66	-1.64	-13.00	-55.56
3720.000	-58.61	-67.13	12.34	-3.82	-13.00	-45.61
5580.000	-55.51	-63.84	12.96	-4.63	-13.00	-42.51

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TX :NB Plane		Test Tem Ante	p./Humi. :23.8 enna Pol. :Vert	2-06-22 /68	
80 Level (0 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	1Bm/m)	8 8 7218. Frequenc	10812. y (MHz)		18000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.670 96.930 181.320 268.620 308.390 572.230 3465.000	-40.50 -56.51 -66.70 -65.89 -61.85 -63.23 -60.32	-21.72 -50.36 -62.39 -64.05 -59.73 -60.57 -69.10	-18.42 -5.58 -3.51 -0.85 -0.99 -0.88 12.47	-0.36 -0.57 -0.80 -0.99 -1.13 -1.78 -3.69	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-27.50 -43.51 -53.70 -52.89 -48.85 -50.23 -47.32
5197.500	-55.37	-63.26	12.39	-4.50	-13.00	-42.37

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22060 :LTE B4 :TX :NB Plane :1732.5 MH:		Test Tem Ante	p./Humi. :23.8 enna Pol. :Hori	2-06-22	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30		8 8 7218. Frequenc	10812. y (MHz)	14406.	18000	
	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
36.790 93.050 181.320 224.970 311.300 502.390 3465.000 5197.500	-48.49 -63.71 -68.88 -67.93 -61.25 -67.76 -59.80 -56.53	-29.17 -57.77 -64.57 -67.34 -59.10 -65.59 -68.58 -64.42	-18.97 -5.37 -3.51 0.30 -1.00 -0.71 12.47 12.39	-0.35 -0.57 -0.80 -0.89 -1.15 -1.46 -3.69 -4.50	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-35.49 -50.71 -55.88 -54.93 -48.25 -54.76 -46.80 -43.53

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22060 :LTE B5 :TX :NB Plane :836.5 MHz	000812E2	Tes Ter An	st Date :2 mp./Humi. :2 tenna Pol. :Y	SAC D 2022-06-22 23.8/68 Vertical Howard Huang	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 25 6 -68.8	7 8					
Freq.	EIRP/ERP	4018. Frequence SG	Antenna	Cable	e Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
39.700 96.930 174.530 258.920 297.720 585.810 1673.000 2509.500	-40.35 -55.83 -64.00 -64.90 -63.62 -61.29 -65.12 -61.42	-21.25 -49.68 -58.42 -63.23 -61.54 -58.64 -72.17 -68.98	-18.74 -5.58 -4.80 -0.68 -1.02 -1.02 9.55 10.62	-0.36 -0.57 -0.78 -0.99 -1.06 -1.63 -2.50 -3.06	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-27.35 -42.83 -51.00 -51.90 -50.62 -48.29 -52.12 -48.42

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22060 :LTE B5 :TX :NB Plane :836.5 MHz	000812E2	Tes Ter An	st Date :2 mp./Humi. :2 tenna Pol. :H	AC D 022-06-22 3.8/68 Iorizontal Ioward Huang	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	Bm/m)	4018. Frequence	6012. ry (MHz)	8006.		
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
36.790 94.020 226.910 260.860 296.750 506.270 1673.000 2509.500	-49.40 -64.83 -68.00 -62.48 -64.54 -67.80 -65.50 -61.59	-30.08 -58.88 -67.33 -60.84 -62.46 -65.66 -72.55 -69.15	-18.97 -5.38 0.22 -0.65 -1.03 -0.78 9.55 10.62	-0.35 -0.57 -0.89 -0.99 -1.05 -1.36 -2.50 -3.06	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-36.40 -51.83 -55.00 -49.48 -51.54 -54.80 -52.50 -48.59

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Report Number Operation Mode Test Mode	:LTE B7 :TX			p./Humi. :23.	22-06-22 8/68	
EUT Pol	:NB Plane		Ante	enna Pol. :Ver	tical	
Test Frequency	:2535 MHz		Eng	ineer :Ho	ward Huang	
80 Level (d	iBm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	1	8				
-68.8						
-90 30	5224.	10418. Frequenc	15612. y (MHz)	20806.	26000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
~~ ~~~						<b>a-</b> 4 <b>a</b>
39.700	-40.13	-21.03	-18.74	-0.36	-13.00	-27.13
97.900 171.620	-55.57 -66.80	-49.37 -60.74	-5.62 -5.29	-0.58 -0.77	-13.00 -13.00	-42.57 -53.80
281.230	-65.44	-63.35	-1.09	-1.00	-13.00	-52.44
307.420	-63.76	-61.66	-0.98	-1.12	-13.00	-50.76
589.690	-62.77	-60.13	-1.11	-1.53	-13.00	-49.77
5070.000	-55.08	-62.75	12.10	-4.43	-25.00	-30.08
7605.000	-51.61	-57.15	11.21	-5.67	-25.00	-26.61

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Report Number Operation Mode Test Mode	:TX	000812E2	Test Tem	p./Humi. :23.8	2-06-22 /68	
EUT Pol	:NB Plane		Ante	enna Pol. :Horiz	zontal	
Test Frequency	:2535 MHz		Eng	ineer :How	ard Huang	
80 Level (d	IBm/m)					
58.8						
37.5						
-5.0						
-26.3						
-47.5	Ĩ	8				
-68.8						
-90-30	5224.	10418. Frequenc	15612. y (MHz)	20806.	26000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
36.790	-47.76	-28.44	-18.97	-0.35	-13.00	-34.76
94.020	-47.70	-28.44 -58.17	-16.97 -5.38	-0.35	-13.00	-54.70
176.470	-65.82	-60.62	-4.41	-0.79	-13.00	-52.82
259.890	-62.91	-61.28	-0.64	-0.99	-13.00	-49.91
303.540	-64.00	-61.94	-0.96	-1.10	-13.00	-51.00
502.390	-67.75	-65.58	-0.71	-1.46	-13.00	-54.75
5070.000	-55.85	-63.52	12.10	-4.43	-25.00	-30.85
7605.000	-52.30	-57.84	11.21	-5.67	-25.00	-27.30

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Report Number	:TERF2206000812E2
Operation Mode	:LTE B12
Test Mode	:TX
EUT Pol	:NB Plane
Test Frequency	:711 MHz

Test Site	:SAC D
Test Date	:2022-06-22
Temp./Humi.	:23.8/68
Antenna Pol.	:Vertical
Engineer	:Howard Huang

80 Level	l (dBm/m)	1 1				
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5						
-68.8	6 7 8					
-90						
-90 30	1624.	3218. Frequency	4812. y (MHz)	6406.	8000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-38.22	-19.12	-18.74	-0.36	-13.00	-25.22
87.230	-56.18	-49.45	-6.18	-0.55	-13.00	-23.22
01.230	-00.10	-49.40	-0.10	-0.55	-13.00	-43.10
			F 20	0.77	12.00	E0 00
171.620	-65.98	-59.92	-5.29	-0.77	-13.00	-52.98
171.620 288.990	-65.98 -65.23	-59.92 -63.21	-1.00	-1.02	-13.00	-52.23
171.620 288.990 301.600	-65.98 -65.23 -62.38	-59.92 -63.21 -60.32	-1.00 -0.98	-1.02 -1.08	-13.00 -13.00	-52.23 -49.38
171.620 288.990	-65.98 -65.23	-59.92 -63.21	-1.00	-1.02	-13.00	-52.23 -49.38
171.620 288.990 301.600	-65.98 -65.23 -62.38	-59.92 -63.21 -60.32	-1.00 -0.98	-1.02 -1.08	-13.00 -13.00	-52.98 -52.23 -49.38 -51.05 -51.85

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_

:SAC D
:2022-06-22
:23.8/68
:Horizontal
:Howard Huang

80 Level	(dBm/m)	1 1 1				
58.8						
37.5	1					
16.3						
-5.0						
-26.3						
-47.5						
-68.8	5 7 8					
-90 30	1624.	3218. Frequency	4812. x (MHz)	6406.	8000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
22.000		07 54	10.04	0.00	40.00	24.45
33.880	-47.15	-27.51	-19.31	-0.33	-13.00	-34.15
99.840	-65.30	-59.01	-5.71	-0.58	-13.00	-52.30
187.140	-67.54	-64.25	-2.48	-0.81	-13.00	-54.54
226.910	-66.85	-66.18	0.22	-0.89	-13.00	-53.85
306.450	-64.39	-62.30	-0.97	-1.12	-13.00	-51.39
	-64.39 -66.23	-62.30 -64.09	-0.97 -0.78	-1.12 -1.36	-13.00 -13.00	
306.450						-51.39 -53.23 -50.51

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Report Number Operation Mode Test Mode EUT Pol		000812E2	Tem	Date :202	22-06-22 8/68	
Test Frequency	:782 MHz				ward Huang	
80 Level (d	iBm/m)					
58.8						
37.5						
-5.0						
-26.3						
-47.5 2 35 6	7	8				
-68.8	1624.	3218	4812	6406.	8000	
		3218. Frequency	y (MHZ)			
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-42.45	-23.35	-18.74	-0.36	-35.00	-7.45
97.900	-55.58	-49.38	-5.62	-0.58	-35.00	-20.58
174.530	-66.00	-60.42	-4.80	-0.78	-35.00	-31.00
225.940	-69.59	-68.96	0.26	-0.89	-35.00	-34.59
298.690	-64.86	-62.79	-1.01	-1.06	-35.00	-29.86
599.390	-63.55	-61.06	-1.26	-1.23	-35.00	-28.55
1564.000	-63.86	-70.63	9.18	-2.41	-40.00	-23.86
2346.000	-61.15	-67.79	9.58	-2.94	-13.00	-48.15

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22066 :LTE B13 :TX :NB Plane :782 MHz	000812E2	Tes Ten Ant	t Date :2 np./Humi. :2 enna Pol. :H	AC D 022-06-22 3.8/68 Iorizontal Ioward Huang	
80 Level (d	IBm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	7	ę				
-68.8						
-90 30	1624.	3218. Frequenc	4812. ;y (MHz)	6406.	8000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
00 700	17.10	07.04	40.07	0.05	05.00	40.40
36.790 98.870	-47.16 -64.73	-27.84 -58.61	-18.97 -5.54	-0.35 -0.58	-35.00 -35.00	-12.16 -29.73
178.410	-68.98	-64.12	-3.54 -4.07	-0.38	-35.00	-29.73
271.530	-67.18	-65.27	-0.92	-0.99	-35.00	-32.18
305.480	-62.89	-60.82	-0.96	-1.11	-35.00	-27.89
505.300	-65.75	-63.59	-0.77	-1.39	-35.00	-30.75
1564.000	-64.24	-71.01	9.18	-2.41	-40.00	-24.24
2346.000	-61.34	-67.98	9.58	-2.94	-13.00	-48.34

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Report Number	:TERF2206	000812E2	Test	Site :SA	CD	
Operation Mode	:LTE B14		Test	Date :202	22-06-22	
Test Mode	:TX		Tem	p./Humi. :23.	8/68	
EUT Pol	:NB Plane		Ante	enna Pol.   :Ver	tical	
Test Frequency					ward Huang	
, ,			0		5	
80 Level (d	IBm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	l					
-68.8	7	8				
-90 30	1624.	3218. Frequenc	4812	6406.	8000	
		-				
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.670	-41.04	-22.26	-18.42	-0.36	-13.00	-28.04
98.870	-55.38	-49.26	-5.54	-0.58	-13.00	-42.38
171.620 224.000	-65.70 -69.27	-59.64 -68.62	-5.29 0.24	-0.77 -0.89	-13.00 -13.00	-52.70 -56.27
297.720	-09.27 -65.46	-00.02 -63.38	-1.02	-0.89 -1.06	-13.00	-50.27 -52.46
588.720	-03.40 -62.69	-60.05	-1.02	-1.55	-13.00	-32.40
1586.000	-64.97	-71.88	9.32	-2.41	-40.00	-49.09
2379.000	-62.57	-69.49	9.89	-2.97	-13.00	-49.57

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Report Number	:TERF2206	000812E2	Test	Site :SA	CD	
Operation Mode	:LTE B14		Test	Date :202	22-06-22	
Test Mode	:TX		Tem	p./Humi. :23.	8/68	
EUT Pol	:NB Plane			•	izontal	
Test Frequency	:793 MHz				ward Huang	
lest riequency	.793 10112		Eng		waru nuang	
co Level (d	(Bm/m)					
80						
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	U					
-68.8 <sup>2</sup> -5 6	7	8				
-90 30	1624.	2240		6406.	8000	
		3218. Frequenc				
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
	UDIII	UDIII	UDI/UDU	UD	UDIII	UD
35.820	-47.53	-28.22	-18.97	-0.34	-13.00	-34.53
99.840	-65.20	-58.91	-5.71	-0.58	-13.00	-52.20
175.500	-69.76	-64.33	-4.65	-0.78	-13.00	-56.76
225.940	-67.22	-66.59	0.26	-0.89	-13.00	-54.22
322.940	-64.66	-62.51	-0.96	-1.19	-13.00	-51.66
508.210	-67.81	-65.72	-0.78	-1.31	-13.00	-54.81
1586.000	-64.86	-71.77	9.32	-2.41	-40.00	-24.86
2379.000	-62.40	-69.32	9.89	-2.97	-13.00	-49.40

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Report Number	:TERF22060008	312E2	Tes
Operation Mode	:LTE B17		Tes
Test Mode	:TX		Ter
EUT Pol	:NB Plane		An
Test Frequency	:709 MHz		En
80 Level (d	Bm/m)		

Test Site	:SAC D
Test Date	:2022-06-22
Temp./Humi.	:23.8/68
Antenna Pol.	:Vertical
Engineer	:Howard Huang

80 Level	(dBm/m)	1 1 1				
58.8						
37.5	1					
16.3						
-5.0						
-26.3						
-47.5						
-68.8	6 7 8					
-90 30	1624.			6406.	8000	
30	1624.	3218. Frequency	4812. y (MHz)	6406.	8000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.070	40.50	04 70	10.10	0.00	40.00	07 50
40.670	-40.50	-21.72	-18.42	-0.36	-13.00	-27.50
97.900	-55.98	-49.78	-5.62	-0.58	-13.00	-42.98
172.590	-66.51	-60.60	-5.14	-0.77	-13.00	-53.51
258.920	-66.80	-65.13	-0.68	-0.99	-13.00	-53.80
313.240	-63.16	-61.03	-0.98	-1.15	-13.00	-50.16
590.660	-62.65	-60.03	-1.12	-1.50	-13.00	-49.65
1418.000	-64.11	-69.58	7.75	-2.28	-13.00	-51.11
2127.000	-62.13	-68.90	9.57	-2.80	-13.00	-49.13
	02.10	00.00	0.0.	2.00		

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Report Number	:TERF2206000812E2
Operation Mode	:LTE B17
Test Mode	:TX
EUT Pol	:NB Plane
Test Frequency	:709 MHz

Test Site	:SAC D
Test Date	:2022-06-22
Temp./Humi.	:23.8/68
Antenna Pol.	:Horizontal
Engineer	:Howard Huang

80 Level	(dBm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	7 8					
-68.8						
-90 <mark>-30</mark> -90	1624.	3218. Frequency	4812. y (MHz)	6406.	8000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		Ū
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.070	17.00	00.00	40.40	0.00	40.00	04.00
40.670	-47.66	-28.88	-18.42	-0.36	-13.00	-34.66
93.050	-65.34	-59.40	-5.37	-0.57	-13.00	-52.34
175.500	-68.96	-63.53	-4.65	-0.78	-13.00	-55.96
225.940	-67.72	-67.09	0.26	-0.89	-13.00	-54.72
269.590	-65.96	-64.08	-0.89	-0.99	-13.00	-52.96
300.630	-66.00	-63.94	-0.99	-1.07	-13.00	-53.00
1418.000	-64.67	-70.14	7.75	-2.28	-13.00	-51.67
2127.000	-62.18	-68.95	9.57	-2.80	-13.00	-49.18

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Report Number Operation Mode Test Mode	:TX	00812E2	Test Tem	: Date :202 p./Humi. :23	C D 22-06-22 8/68	
EUT Pol	:NB Plane		Ante	enna Pol. :Ve	rtical	
Test Frequency	:1905 MHz		Eng	ineer :Ho	ward Huang	
80 Level (d	IBm/m)					
58.8						
37.5						
16.3						
-5.0	1					
-26.3						
-47.5 2 56	7 8					
-68.8						
-90 30	4024.	8018. Frequenc	12012. y (MHz)	16006.	20000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-40.80	-21.70	-18.74	-0.36	-13.00	-27.80
98.870	-54.79	-48.67	-5.54	-0.58	-13.00	-41.79
188.110	-63.83	-60.68	-2.33	-0.82	-13.00	-50.83
265.710	-64.61	-62.91	-0.71	-0.99	-13.00	-51.61
310.330	-61.65	-59.50	-1.01	-1.14	-13.00	-48.65
600.360	-63.18 -57.29	-60.68 -65.88	-1.29 12.38	-1.21 -3.79	-13.00 -13.00	-50.18 -44.29
3810.000 5715.000	-57.29 -54.70	-62.80	12.38	-3.79 -4.70	-13.00	-44.29 -41.70
51 101000	5 5	02.00	. 2.00			

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22060 :LTE B25 :TX :NB Plane :1905 MHz	000812E2	Test Tem Ante	p./Humi. :23.8 enna Pol. :Hori	2-06-22	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	18m/m)	B018. Frequenc	12012. y (MH2)	16006.	20000	
·	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
34.850 94.990 191.990 224.970 265.710 307.420 3810.000 5715.000	-48.61 -65.23 -68.52 -66.87 -65.52 -62.27 -58.39 -55.89	-29.00 -59.27 -66.03 -66.28 -63.82 -60.17 -66.98 -63.99	-19.27 -5.39 -1.67 0.30 -0.71 -0.98 12.38 12.80	-0.34 -0.57 -0.82 -0.89 -0.99 -1.12 -3.79 -4.70	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-35.61 -52.23 -55.52 -53.87 -52.52 -49.27 -45.39 -42.89

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22060 :LTE B26 :TX :NB Plane :831.5 MHz	000812E2	Test Tem Ante	t Date :202 np./Humi. :23. enna Pol. :Ver	C D 22-06-22 8/68 tical ward Huang	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	Bm/m)	4018. Frequence	6012. y (MHz)	8006.	10000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700 97.900 170.650 256.980 316.150 505.300 1663.000 2494.500	-40.42 -57.61 -66.49 -68.38 -63.37 -65.19 -65.45 -61.78	-21.32 -51.41 -60.30 -66.65 -61.22 -63.03 -72.48 -69.32	-18.74 -5.62 -5.43 -0.74 -0.99 -0.77 9.53 10.59	-0.36 -0.58 -0.76 -0.99 -1.16 -1.39 -2.50 -3.05	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-27.42 -44.61 -53.49 -55.38 -50.37 -52.19 -52.45 -48.78

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TX :NB Plane	000812E2	Tes Ter An	st Site st Date mp./Humi. tenna Pol. gineer	:SAC D :2022-06-22 :23.8/68 :Horizontal :Howard Huang	
oo Level (d	(Bm/m)					
80						
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5						
-68.8	7 8					
-90 30	2024.	4018. Frequenc	6012. y (MHz)	8006.	10000	
Freq.	EIRP/ERP	SG	Antenna	Cab	le Limit	Margin
		Output Level	Gain	Los		
MHz	dBm	dBm	dBi/dBd	dB	3 dBm	dB
~~ ~~	40.00	00.04	40.07			
36.790	-46.23	-26.91	-18.97	-0.3		-33.23
98.870	-64.94	-58.82	-5.54	-0.5		-51.94
176.470	-68.54	-63.34	-4.41	-0.7		-55.54
223.030 266.680	-67.65 -67.88	-66.95 -66.13	0.19 -0.76	-0.8 -0.9		-54.65 -54.88
288.990	-07.00 -65.68	-63.66	-0.78	-0.9 -1.0		-54.66 -52.68
1663.000	-65.37	-72.40	9.53	-1.0		-52.00
2494.500	-60.84	-68.38	10.59	-3.0		-47.84
				0.0		

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Report Number Operation Mode Test Mode	:TX	000812E2	Test Tem	: Date :202 p./Humi. :23.	C D 22-06-22 8/68	
EUT Pol	:NB Plane				rtical	
Test Frequency	:2310 MHz		Eng	ineer :Ho	ward Huang	
80 Level (d	Bm/m)					
58.8						
37.5						
16.3	l					
-5.0						
-26.3						
-47.5		8				
-68.8	ĺ					
30	4824.	9618. Frequenc	14412. y (MHz)	19206.	24000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
N 41 J		Output Level	Gain	Loss		10
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-40.46	-21.36	-18.74	-0.36	-13.00	-27.46
97.900	-55.05	-48.85	-5.62	-0.58	-13.00	-42.05
174.530	-65.88	-60.30	-4.80	-0.78	-13.00	-52.88
274.440	-67.12	-65.18	-0.95	-0.99	-13.00	-54.12
305.480	-64.02	-61.95	-0.96	-1.11	-13.00	-51.02
574.170	-63.51	-60.80	-0.93	-1.78	-13.00	-50.51
4620.000	-57.04	-65.27	12.42	-4.19	-40.00	-17.04
6930.000	-52.00	-58.47	11.74	-5.27	-40.00	-12.00

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Report Number	:TERF2206	000812E2			CD	
Operation Mode	:LTE B30		Test	Date :202	22-06-22	
Test Mode	:TX		Tem	p./Humi. :23.	8/68	
EUT Pol	:NB Plane		Ante	enna Pol.   :Ho	rizontal	
Test Frequency	:2310 MHz		Eng	ineer :Ho	ward Huang	
80 Level (d	IBm/m)					
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5	I					
-68.8	Í	8				
-90 <mark>-30</mark>	4824.	9618. Frequenc	14412. y (MHz)	19206.	24000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
	40.00	07.40	40.07	0.04	40.00	~~~~~
35.820 94.990	-46.80 -65.71	-27.49 -59.75	-18.97 -5.39	-0.34 -0.57	-13.00 -13.00	-33.80 -52.71
94.990 176.470	-69.21	-59.75 -64.01	-5.39 -4.41	-0.57 -0.79	-13.00	-52.71
225.940	-67.95	-67.32	0.26	-0.89	-13.00	-54.95
303.540	-64.31	-62.25	-0.96	-1.10	-13.00	-51.31
498.510	-70.45	-68.21	-0.69	-1.55	-13.00	-57.45
4620.000	-57.23	-65.46	12.42	-4.19	-40.00	-17.23
6930.000	-52.36	-58.83	11.74	-5.27	-40.00	-12.36

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Report Number Operation Mode Test Mode	:TERF2206 :LTE B38 :TX	000812E2	Test	Site :SAC Date :2022 p./Humi. :23.8	2-06-22	
EUT Pol	:NB Plane		Ante	enna Pol. :Verti	cal	
Test Frequency	:2580 MHz		Eng	ineer :How	ard Huang	
80 Level (d	IBm/m)	1 1 1				
58.8						
16.3						
-5.0						
-26.3						
-47.5	7	8				
-68.8						
-90 30	5224.	10418. Frequenc	15612. y (MHz)	20806.	26000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
	GDIII	GBIII		40	dBill	40
39.700	-37.10	-18.00	-18.74	-0.36	-25.00	-12.10
96.930	-54.57	-48.42	-5.58	-0.57	-25.00	-29.57
178.410	-66.29	-61.43	-4.07	-0.79	-25.00	-41.29
271.530	-65.42	-63.51	-0.92	-0.99	-25.00	-40.42
306.450	-62.56	-60.47	-0.97	-1.12	-25.00	-37.56
587.750	-63.56	-60.91	-1.07	-1.58	-25.00	-38.56
5160.000	-56.17	-63.84	12.16	-4.49	-25.00	-31.17
7740.000	-52.13	-57.88	11.50	-5.75	-25.00	-27.13

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Report Number Operation Mode Test Mode	:TX	000812E2	Test Tem	p./Humi. :23.8/	2-06-22 /68	
EUT Pol	:NB Plane		Ante	enna Pol. :Horiz	zontal	
Test Frequency	:2580 MHz		Engi	ineer :How	ard Huang	
80 Level (d	IBm/m)					
58.8						
37.5						
-5.0						
-26.3						
-47.5		8				
-68.8						
-90 30	5224.	10418. Frequenc	15612. y (MHz)	20806.	26000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
38.730	-49.02	-29.82	-18.85	-0.35	-25.00	-24.02
95.960	-65.70	-59.84	-5.29	-0.57	-25.00	-40.70
174.530	-68.74	-63.16	-4.80	-0.78	-25.00	-43.74
225.940	-66.94	-66.31	0.26	-0.89	-25.00	-41.94
318.090	-64.13	-61.95	-1.01	-1.17	-25.00	-39.13
503.360	-66.47	-64.30	-0.73	-1.44	-25.00	-41.47
5160.000	-55.81	-63.48	12.16	-4.49	-25.00	-30.81
7740.000	-51.70	-57.45	11.50	-5.75	-25.00	-26.70

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF2206 :LTE B41 :TX :NB Plane :2636.5 MH		Test Tem Ante	p./Humi. :23.8 enna Pol. :Vert	2-06-22 3/68	
80 Level (d 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	1Bm/m)	10418. Frequenc	15612.	20806.	26000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
39.700 97.900 172.590 306.450 508.210 580.960 5273.000 7909.500	-40.69 -54.51 -65.83 -61.56 -65.34 -64.08 -57.26 -51.94	-21.59 -48.31 -59.92 -59.47 -63.25 -61.35 -65.65 -57.38	-18.74 -5.62 -5.14 -0.97 -0.78 -0.98 12.89 11.16	-0.36 -0.58 -0.77 -1.12 -1.31 -1.75 -4.50 -5.72	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -25.00 -25.00	-27.69 -41.51 -52.83 -48.56 -52.34 -51.08 -32.26 -26.94

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF2206 :LTE B41 :TX :NB Plane :2636.5 MH		Test Tem Ante	p./Humi. :23.8 enna Pol. :Hori	2-06-22	
80 Level (0 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	18m/m)	10418. Frequenc	15612. y (MH2)	20806.	26000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700 94.020 218.180 259.890 310.330 499.480 5273.000 7909.500	-50.70 -64.58 -67.60 -66.71 -67.24 -69.24 -55.51 -51.48	-31.60 -58.63 -66.62 -65.08 -65.09 -67.03 -63.90 -56.92	-18.74 -5.38 -0.10 -0.64 -1.01 -0.67 12.89 11.16	-0.36 -0.57 -0.88 -0.99 -1.14 -1.54 -4.50 -5.72	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -25.00 -25.00	-37.70 -51.58 -54.60 -53.71 -54.24 -56.24 -30.51 -26.48

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10812.			
Antenna	Cable	Limit	Margin
dBi/dBd	dB	dBm	dB
-18.74 -5.62 -6.52 -0.97 -0.62 -1.09 12.52	-0.36 -0.58 -0.71 -1.12 -1.27 -1.55 -3.69	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-27.34 -42.46 -52.86 -50.17 -55.47 -50.22 -47.20 -43.18
	vel Gain dBi/dBd -18.74 -5.62 -6.52 -0.97 -0.62 -1.09	Antenna Cable Gain Loss dBi/dBd dB -18.74 -0.36 -5.62 -0.58 -6.52 -0.71 -0.97 -1.12 -0.62 -1.27 -1.09 -1.55 12.52 -3.69	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 www.sgs.com.tw



Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TERF22066 :LTE B66 :TX :NB Plane :1720 MHz	000812E2	Test Tem Ante	p./Humi. :23.8 enna Pol. :Hor	2-06-22	
80 Level ( 58.8 37.5 16.3 -5.0 -26.3 -47.5 -68.8 -90 30	18m/m)	8 8 7218. Frequenc	10812. y (MHz)		18000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
34.850 98.870 224.000 266.680 309.360 501.420 3440.000	-50.05 -64.99 -66.91 -64.84 -63.67 -67.03 -59.88	-30.44 -58.87 -66.26 -63.09 -61.53 -64.85 -68.71	-19.27 -5.54 0.24 -0.76 -1.00 -0.69 12.52	-0.34 -0.58 -0.89 -0.99 -1.14 -1.49 -3.69	-13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-37.05 -51.99 -53.91 -51.84 -50.67 -54.03 -46.88
5160.000	-56.44	-64.11	12.16	-4.49	-13.00	-43.44

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Report Number Operation Mode Test Mode EUT Pol Test Frequency	:TX :NB Plane	000812E2	Tes Ter Ant	t Date :2 np./Humi. :2 tenna Pol. :V	AC D 022-06-22 3.8/68 ⁄ertical loward Huang	
80 Level (0 58.8	1Bm/m)					
16.3 -5.0 -26.3						
-47.5 -68.8	7 8					
30	1624.	3218. Frequenc		6406.	8000	
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-40.72	-21.62	-18.74	-0.36	-13.00	-27.72
97.900	-56.71	-50.51	-5.62	-0.58	-13.00	-43.71
174.530	-64.01	-58.43	-4.80	-0.78	-13.00	-51.01
261.830	-65.10	-63.46	-0.65	-0.99	-13.00	-52.10
304.510	-62.21	-60.16	-0.95	-1.10	-13.00	-49.21
566.410	-63.89	-61.34	-0.81	-1.74	-13.00	-50.89
1361.000 2041.500	-63.90 -64.15	-68.82 -71.53	7.21 10.12	-2.29 -2.74	-13.00 -13.00	-50.90 -51.15
2041.000	-04.15	-71.55	10.12	-2.74	-13.00	-51.15

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Report Number	:TERF2206000812E2			Site :SAC	D	
Operation Mode	:LTE B71		Test	Date :202	2-06-22	
Test Mode	:TX		Tem	p./Humi. :23.8	68	
EUT Pol	:NB Plane			-	zontal	
Test Frequency	:680.5 MHz		Enai	Engineer :Howard Huang		
1 5			5		5	
80 Level (dBm/m)						
58.8						
37.5						
16.3						
-5.0						
-26.3						
-47.5						
-68.8	7 8					
-90 30	1624.	3218.	4812.	6406.	8000	
Frequency (MHZ)						
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.880 97.900	-47.99 -65.37	-28.35 -59.17	-19.31 -5.62	-0.33 -0.58	-13.00	-34.99
97.900 178.410	-05.37 -68.91	-59.17 -64.05	-5.62 -4.07	-0.58 -0.79	-13.00 -13.00	-52.37 -55.91
263.770	-65.18	-63.52	-4.07	-0.99	-13.00	-52.18
286.080	-66.30	-64.26	-1.03	-1.01	-13.00	-53.30
502.390	-66.22	-64.05	-0.71	-1.46	-13.00	-53.22
1361.000	-64.08	-69.00	7.21	-2.29	-13.00	-51.08
2041.500	-63.83	-71.21	10.12	-2.74	-13.00	-50.83

~ End of Report ~

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