



FCC RADIO TEST REPORT

FCC ID : PU5-TP00132B
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00132B
Applicant : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221, Taiwan
Manufacturer : Lenovo PC HK Limited.
23/F, Lincoln House, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong, China
Standard : FCC 47 CFR Part 2, 27

Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

The product was received on Jan. 28, 2022 and testing was performed from Feb. 21, 2022 to Mar. 23, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory



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History of this test report

Report No.	Version	Description	Issued Date
FG1N2210J	01	Initial issue of report	Mar. 30, 2022
FG1N2210J	02	Revise Product Feature of Equipment Under Test	Apr. 13, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (n77) (n78)	Pass	
-	§27.50 (k)(4)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77) (n78)	-	See Note
-	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77) (n78)	-	See Note
-	§2.1055 §27.54	Frequency Stability Temperature & Voltage	-	See Note
4.2	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77) (n78)	Pass	Under limit 16.09 dB at 14004.000 MHz

Note:

- The certified module (model: FM350-GL) which supports normal mode and TX switching mode being integrated into a notebook computer. Spot check on both modes were performed and no degradation occur. Thus the module test results were leveraged in this report and additionally reporting the spot check results in this report.
- In normal mode, Conducted power was verified to be consistent with the original modular approval, so the output power level in the original modular grant is referenced in this report for determining EIRP of this host product, and verified the TX switching mode of Radiated Spurious Emission and Conducted power.

Declaration of Conformity:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
- The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00132B
FCC ID	PU5-TP00132B
Sample 1	EUT with AVX/ Ethertronics Antenna
Sample 2	EUT with LUXSHARE-ICT Antenna
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

	Normal mode	TX switching mode
	TX/RX	TX/RX
Ant_0 (Main)	WCDMA : 2/4/5 LTE : 2/4/5/7/12/13/14/17/25/26/30/38/66/71 NR : 2/5/7/25/30/38/66/71	WCDMA : 5 LTE : 5/12/13/14/17/26/41/48/71 NR : 5/41/71/77/78
Ant_2 (MIMO2)	LTE : 41/48 NR : 41/77/78	WCDMA : 2/4 LTE : 2/4/7/25/30/38/66 NR : 2/7/25/30/38/66

WWAN Antenna Information				
Main Antenna	Manufacturer	AVX/ Ethertronics	Peak gain (dBi)	5G NR n77 : 1.16 5G NR n78 : 1.87
	Part number	SA31F29287AA	Type	PIFA
	Manufacturer	LUXSHARE-ICT	Peak gain (dBi)	5G NR n77 : -1.20 5G NR n78 : -5.20
	Part number	SA31F29290AA	Type	PIFA
MIMO 2 Antenna	Manufacturer	AVX/ Ethertronics	Peak gain (dBi)	5G NR n77 : 1.77 5G NR n78 : 1.58
	Part number	SA31F29288AA	Type	PIFA
	Manufacturer	LUXSHARE-ICT	Peak gain (dBi)	5G NR n77 : 0.90 5G NR n78 : 1.90
	Part number	SA31F29291AA	Type	PIFA

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency	5G NR n77/n78: 3450 MHz ~ 3550 MHz
Bandwidth	SCS 15kHz: 10MHz/15MHz/20MHz SCS 30kHz: 10MHz/15MHz/20MHz/40MHz/50MHz/60MHz/80MHz/100MHz
Maximum Output Power to Antenna	<Main Antenna> 5G NR n77: 25.58 dBm for HPUE 5G NR n78: 26.64 dBm for HPUE <MIMO 2 Antenna> 5G NR n77: 26.16 dBm for HPUE 5G NR n78: 26.84 dBm for HPUE
Type of Modulation	CP-OFDM: QPSK/16QAM/64QAM/256QAM DFT-s-OFDM: PI/2 BPSK/QPSK/16QAM/64QAM/256QAM

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan
Test Site No.	Sporton Site No.
	TH03-HY (TAF Code: 1190)
Test Engineer	Luffy Lin
Temperature	23.3~23.9°C
Relative Humidity	51~55%
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan
Test Site No.	Sporton Site No.
	03CH12-HY
Test Engineer	Jack Cheng, Lance Chiang and Chuan Chu
Temperature	21.6~26.2
Relative Humidity	56~68

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786



1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



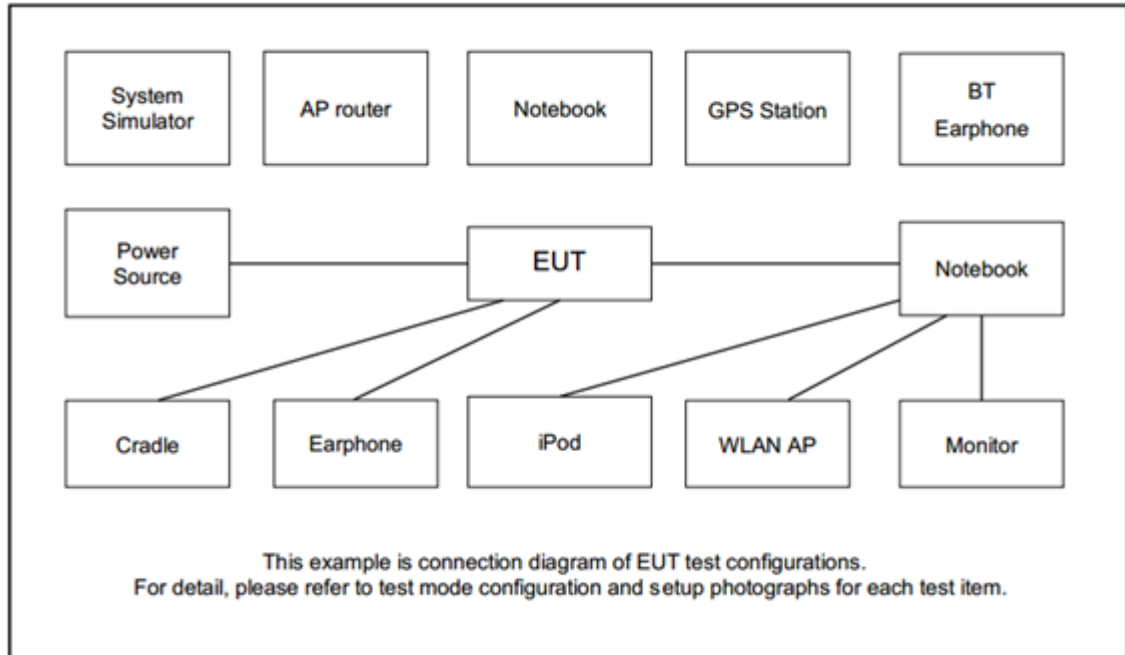
2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Test Items	NR Band	Bandwidth (MHz)												Modulation					RB #			Test Channel						
		5	10	15	20	25	30	40	50	60	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H				
Max. Output Power	n77	-	v	v	v	-	-	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	n78	-	v	v	v	-	-	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P	n77	-	v	v	v	-	-	v	v	v	v	-	v	v	v	v	v	v	Max. Power									
	n78	-	v	v	v	-	-	v	v	v	v	-	v	v	v	v	v	v										
Radiated Spurious Emission	n77	-				-	-					-	v	v						v							v	
	n78	-				-	-					-	v	v						v								v
Remark	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. For radiated measurement, pre-scanned in two modes, DFT-s OFDM and CP OFDM. The worst cases (DFT-s OFDM) were recorded in this report, and the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant. All the radiated test cases were performed with Adapter (ADL170SDC3A). 																											

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

5G NR n77/n78 Channel and Frequency List for SCS 15kHz				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	630667	633334	636000
	Frequency	3460.005	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

5G NR n77/n78 Channel and Frequency List for SCS 30kHz				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

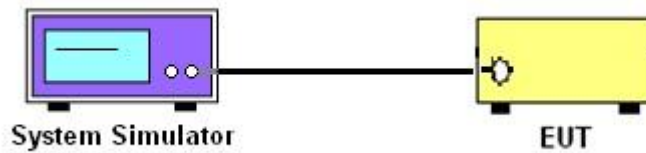
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and EIRP

3.2.1 Description of the Conducted Output Power Measurement and EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77 and n78

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

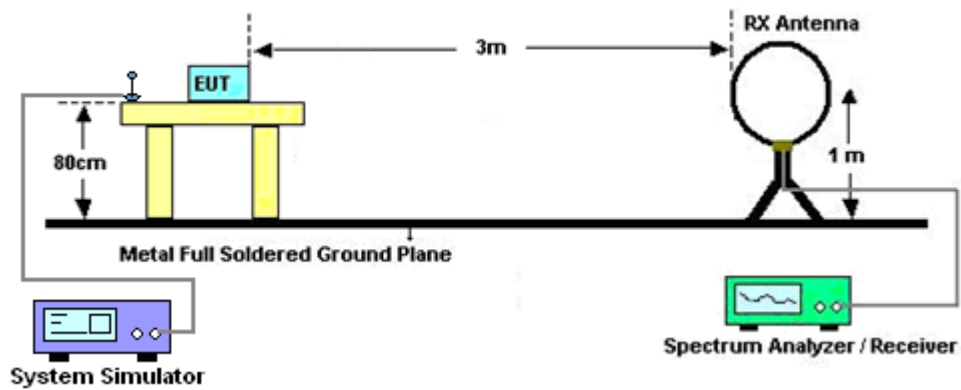
4 Radiated Test Items

4.1 Measuring Instruments

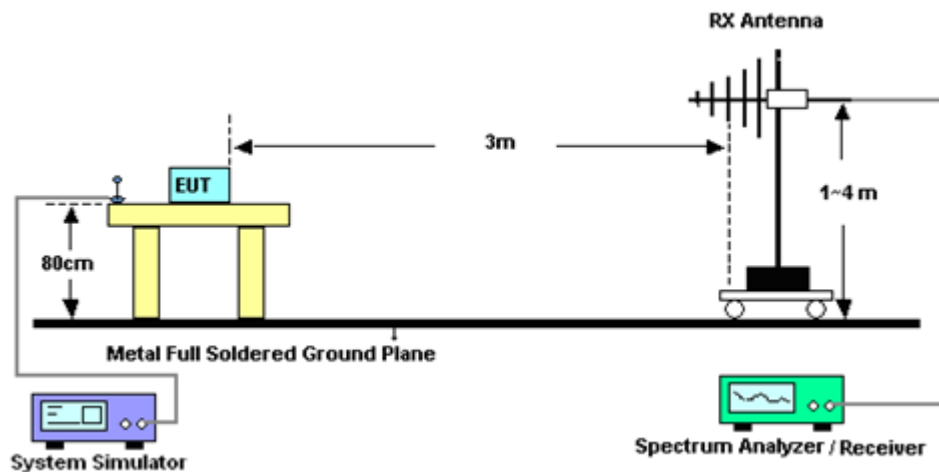
See list of measuring instruments of this test report.

4.1.1 Test Setup

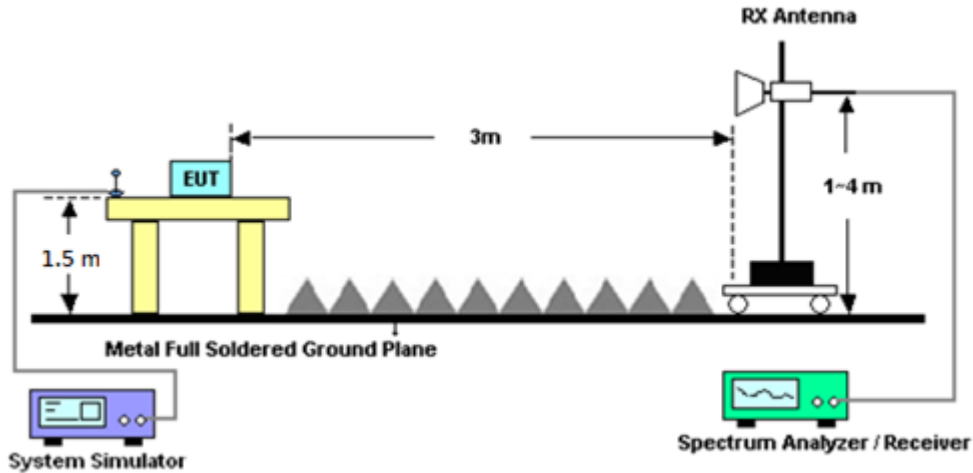
For radiated test below 30MHz



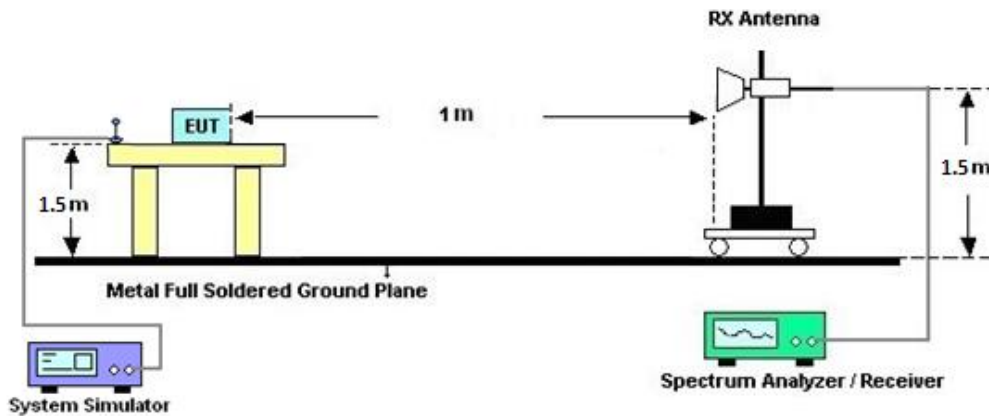
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Mar. 05, 2022~ Mar. 23, 2022	Sep. 06, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Oct. 09, 2021	Mar. 05, 2022~ Mar. 23, 2022	Oct. 08, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 09, 2021	Mar. 05, 2022~ Mar. 23, 2022	Oct. 08, 2022	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Dec. 03, 2021	Mar. 05, 2022~ Mar. 23, 2022	Dec. 02, 2022	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 18, 2021	Mar. 05, 2022~ Mar. 23, 2022	May 17, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917025 1	18GHz~40GHz	Nov. 30, 2021	Mar. 05, 2022~ Mar. 23, 2022	Nov. 29, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz~40GHz	May 21, 2021	Mar. 05, 2022~ Mar. 23, 2022	May 20, 2022	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 24, 2021	Mar. 05, 2022~ Mar. 22, 2022	Mar. 23, 2022	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 23, 2022	Mar. 23, 2022	Mar. 22, 2023	Radiation (03CH12-HY)
Preamplifier	Aglient	8449B	3008A02375	1GHz~26.5GHz	May 25, 2021	Mar. 05, 2022~ Mar. 23, 2022	May 24, 2022	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900270	1GHz-18GHz	Dec. 27, 2021	Mar. 05, 2022~ Mar. 23, 2022	Dec. 26, 2022	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Mar. 05, 2022~ Mar. 23, 2022	Dec. 23, 2022	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 15, 2021	Mar. 05, 2022~ Mar. 23, 2022	Oct. 14, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 05, 2022~ Mar. 09, 2022	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Mar. 10, 2022~ Mar. 23, 2022	Mar. 09, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 10, 2021	Mar. 05, 2022~ Mar. 23, 2022	Dec. 09, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Mar. 05, 2022~ Mar. 23, 2022	Feb. 20, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 21, 2022	Mar. 05, 2022~ Mar. 07, 2022	Feb. 20, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Mar. 08, 2022	Mar. 08, 2022~ Mar. 23, 2022	Mar. 07, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 17, 2021	Mar. 05, 2022~ Mar. 15, 2022	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 16, 2022	Mar. 16, 2022~ Mar. 23, 2022	Mar. 15, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080 -1200-15000-6 0SS	SN1	1.2GHz High Pass Filter	Mar. 17, 2021	Mar. 05, 2022~ Mar. 15, 2022	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080 -1200-15000-6 0SS	SN1	1.2GHz High Pass Filter	Mar. 16, 2022	Mar. 16, 2022~ Mar. 23, 2022	Mar. 15, 2023	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Jul. 12, 2021	Mar. 05, 2022~ Mar. 23, 2022	Jul. 11, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 17, 2021	Mar. 05, 2022~ Mar. 15, 2022	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 16, 2022	Mar. 16, 2022~ Mar. 23, 2022	Mar. 15, 2023	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Sep. 30, 2021	Mar. 05, 2022~ Mar. 23, 2022	Sep. 29, 2022	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 05, 2022~ Mar. 23, 2022	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 05, 2022~ Mar. 23, 2022	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 05, 2022~ Mar. 23, 2022	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Mar. 05, 2022~ Mar. 23, 2022	N/A	Radiation (03CH12-HY)
Hygrometer	Testo	608-H11	34893240	NA	Nov. 17, 2021	Feb. 21, 2022~ Feb. 25, 2022	Nov. 16, 2022	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6261849015	LTE	Oct. 06, 2021	Feb. 21, 2022~ Feb. 25, 2022	Oct. 05, 2022	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6261940327	FR1	Oct. 29, 2021	Feb. 21, 2022~ Feb. 25, 2022	Oct. 28, 2022	Conducted (TH03-HY)



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.10 dB
-------------------------------------------------------------------------	---------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.39 dB
-------------------------------------------------------------------------	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.34 dB
-------------------------------------------------------------------------	---------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and EIRP

<Main Antenna>

<SCS 15K>

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.84	25.01	25.31	26.58	0.4550
10	1	50		24.91	25.08	25.38		
10	25	12		24.89	25.12	25.31		
10	1	1	QPSK	24.87	25.01	25.35		
10	1	50		24.95	25.13	25.42		
10	25	12		24.94	25.09	25.41		
10	1	1	16-QAM	24.11	23.95	24.14	25.30	0.3388
10	1	1	64-QAM	22.45	22.57	22.83		
10	1	1	256-QAM	20.55	20.76	20.98		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.03	25.14	25.42	26.70	0.4677
15	1	77		25.15	25.23	25.52		
15	36	18		25.13	25.23	25.51		
15	1	1	QPSK	25.08	25.19	25.42		
15	1	77		25.19	25.31	25.54		
15	36	18		25.16	25.24	25.52		
15	1	1	16-QAM	24.17	24.12	24.35	25.51	0.3556
15	1	1	64-QAM	22.62	22.73	22.77		
15	1	1	256-QAM	20.71	20.81	21.08		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.07	25.12	25.26	26.64	0.4613
20	1	104		25.15	25.21	25.41		
20	50	25		25.21	25.27	25.45		
20	1	1	QPSK	25.07	25.07	25.19		
20	1	104		25.18	25.14	25.45		
20	50	25		25.18	25.31	25.48		
20	1	1	16-QAM	24.02	24.23	24.39	25.55	0.3589
20	1	1	64-QAM	22.51	22.69	22.85		
20	1	1	256-QAM	20.74	20.81	20.93		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.72	25.87	26.05	28.12	0.6486
10	1	50		25.82	25.89	26.16		
10	25	12		25.81	25.91	26.17		
10	1	1	QPSK	25.78	25.91	26.13		
10	1	50		25.91	25.97	26.25		
10	25	12		25.83	25.96	26.21		
10	1	1	16-QAM	24.87	24.68	24.89	26.76	0.4742
10	1	1	64-QAM	23.29	23.49	23.58		
10	1	1	256-QAM	21.35	21.54	21.75		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.86	25.95	26.12	28.18	0.6577
15	1	77		25.98	25.98	26.28		
15	36	18		25.98	26.05	26.26		
15	1	1	QPSK	25.94	25.99	26.06		
15	1	77		26.09	26.15	26.22		
15	36	18		26.03	26.18	26.31		
15	1	1	16-QAM	24.74	25.12	25.36	27.23	0.5284
15	1	1	64-QAM	23.45	23.86	23.75		
15	1	1	256-QAM	21.55	21.68	21.84		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.89	25.94	25.98	28.13	0.6501
20	1	104		26.01	25.93	26.21		
20	50	25		26.07	26.08	26.21		
20	1	1	QPSK	25.93	26.01	26.06		
20	1	104		26.01	25.98	26.26		
20	50	25		26.09	26.08	26.23		
20	1	1	16-QAM	24.68	24.82	24.84	26.71	0.4688
20	1	1	64-QAM	23.45	23.48	23.51		
20	1	1	256-QAM	21.65	21.69	21.69		
Limit	EIRP < 1W			Result			Pass	



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NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.94	25.13	25.45	26.74	0.4721
10	1	22		24.93	25.11	25.47		
10	12	6		25.06	25.22	25.58		
10	1	1	QPSK	25.03	25.17	25.45		
10	1	22		25.01	23.13	25.43		
10	12	6		25.11	25.25	25.52		
10	1	1	16-QAM	24.23	24.25	24.55	25.71	0.3724
10	1	1	64-QAM	22.51	22.71	22.95		
10	1	1	256-QAM	20.48	20.78	20.98		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.02	25.08	25.35	26.68	0.4656
15	1	36		25.01	25.18	25.31		
15	18	9		25.14	25.24	25.52		
15	1	1	QPSK	24.93	25.05	25.31		
15	1	36		25.05	25.17	25.33		
15	18	9		25.08	25.21	25.48		
15	1	1	16-QAM	24.11	24.18	24.47	25.63	0.3656
15	1	1	64-QAM	22.55	22.68	22.85		
15	1	1	256-QAM	20.55	20.65	21.03		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.98	25.11	25.23	26.60	0.4571
20	1	49		25.08	25.31	25.32		
20	25	12		25.24	25.35	25.42		
20	1	1	QPSK	25.18	25.05	25.28		
20	1	49		25.08	25.28	25.35		
20	25	12		25.18	25.39	25.44		
20	1	1	16-QAM	24.05	24.21	24.24	25.40	0.3467
20	1	1	64-QAM	22.58	22.68	22.85		
20	1	1	256-QAM	20.55	20.71	20.86		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.59	24.56	24.66	26.48	0.4446
40	1	104		24.91	25.00	24.95		
40	50	25		25.06	25.16	24.82		
40	1	1	QPSK	24.61	24.60	24.74		
40	1	104		24.88	25.02	25.05		
40	50	25		25.13	25.18	25.32		
40	1	1	16-QAM	23.68	23.95	23.85	25.11	0.3243
40	1	1	64-QAM	22.14	22.38	22.28		
40	1	1	256-QAM	20.24	20.57	20.28		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	24.72	24.91	24.84	26.48	0.4446
50	1	131		25.05	25.22	25.28		
50	64	32		25.14	25.24	25.22		
50	1	1	QPSK	24.73	24.92	24.91		
50	1	131		25.06	25.23	25.32		
50	64	32		25.13	25.27	25.26		
50	1	1	16-QAM	23.76	24.05	23.94	25.21	0.3319
50	1	1	64-QAM	22.32	22.52	22.35		
50	1	1	256-QAM	20.43	20.56	20.51		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	24.89	24.86	25.01	26.57	0.4539
60	1	160		25.21	25.24	25.37		
60	81	40		25.26	25.25	25.29		
60	1	1	QPSK	24.86	24.89	25.00		
60	1	160		25.23	25.26	25.41		
60	81	40		25.23	25.27	25.33		
60	1	1	16-QAM	23.95	23.99	24.12	25.28	0.3373
60	1	1	64-QAM	22.45	22.41	22.62		
60	1	1	256-QAM	20.55	20.61	20.68		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.43	24.42	24.47	26.32	0.4285
80	1	215		21.84	24.91	24.93		
80	108	54		25.11	25.12	25.13		
80	1	1	QPSK	24.41	24.44	24.42		
80	1	215		24.81	24.82	24.88		
80	108	54		25.14	25.15	25.16		
80	1	1	16-QAM	23.53	23.66	23.48	24.82	0.3034
80	1	1	64-QAM	22.05	21.93	21.86		
80	1	1	256-QAM	20.35	20.25	20.27		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	24.16	-	26.23	0.4198
100	1	271		-	24.72	-		
100	135	67		-	25.05	-		
100	1	1	QPSK	-	24.18	-		
100	1	271		-	24.74	-		
100	135	67		-	25.07	-		
100	1	1	16-QAM	-	22.86	-	24.02	0.2523
100	1	1	64-QAM	-	21.47	-		
100	1	1	256-QAM	-	20.09	-		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.79	25.86	26.12	28.12	0.6486
10	1	22		25.80	25.84	26.13		
10	12	6		25.95	26.01	26.21		
10	1	1	QPSK	25.78	25.87	26.13		
10	1	22		25.86	25.84	26.21		
10	12	6		25.91	26.03	26.25		
10	1	1	16-QAM	24.86	25.15	25.28	27.15	0.5188
10	1	1	64-QAM	23.47	23.45	23.68		
10	1	1	256-QAM	21.35	21.45	21.65		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.81	25.98	26.07	28.06	0.6397
15	1	36		25.92	25.85	26.12		
15	18	9		25.93	26.01	26.19		
15	1	1	QPSK	25.95	25.98	25.95		
15	1	36		26.01	25.93	26.19		
15	18	9		25.95	26.07	26.14		
15	1	1	16-QAM	25.02	24.95	25.05	26.92	0.4920
15	1	1	64-QAM	23.25	23.54	23.65		
15	1	1	256-QAM	21.41	21.63	21.72		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.74	25.93	25.92	28.00	0.6310
20	1	49		25.83	25.83	26.05		
20	25	12		26.01	26.04	26.12		
20	1	1	QPSK	25.79	25.83	25.86		
20	1	49		25.92	25.81	26.01		
20	25	12		26.04	26.05	26.13		
20	1	1	16-QAM	24.80	25.01	25.01	26.88	0.4875
20	1	1	64-QAM	23.38	23.46	23.39		
20	1	1	256-QAM	21.45	21.50	21.51		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.49	25.56	25.48	28.51	0.7096
40	1	104		25.67	25.65	25.82		
40	50	25		26.07	25.97	26.05		
40	1	1	QPSK	25.53	26.64	25.38		
40	1	104		25.68	25.65	25.76		
40	50	25		26.05	26.01	26.05		
40	1	1	16-QAM	24.48	24.88	24.55	26.75	0.4732
40	1	1	64-QAM	22.98	23.17	23.01		
40	1	1	256-QAM	21.08	21.16	21.02		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.62	25.81	25.62	27.94	0.6223
50	1	131		25.85	25.91	26.01		
50	64	32		26.01	26.01	25.94		
50	1	1	QPSK	25.63	25.75	25.61		
50	1	131		25.86	25.84	26.01		
50	64	32		26.01	26.07	25.99		
50	1	1	16-QAM	24.73	24.98	24.85	26.85	0.4842
50	1	1	64-QAM	23.21	23.45	23.21		
50	1	1	256-QAM	21.32	21.46	21.34		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.74	25.81	25.77	28.05	0.6383
60	1	160		25.93	26.02	26.09		
60	81	40		26.07	26.01	26.01		
60	1	1	QPSK	25.71	25.89	25.75		
60	1	160		25.87	26.18	26.07		
60	81	40		26.08	26.05	26.02		
60	1	1	16-QAM	24.68	25.03	24.78	26.90	0.4898
60	1	1	64-QAM	23.23	23.25	23.26		
60	1	1	256-QAM	21.43	21.52	21.45		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.18	25.19	25.21	27.80	0.6026
80	1	215		25.48	25.53	25.55		
80	108	54		25.87	25.88	25.83		
80	1	1	QPSK	25.38	25.21	25.23		
80	1	215		25.72	25.56	25.61		
80	108	54		25.91	25.93	25.85		
80	1	1	16-QAM	24.23	24.44	24.44	26.31	0.4276
80	1	1	64-QAM	22.78	22.82	22.81		
80	1	1	256-QAM	20.74	20.81	20.84		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	24.96	-	27.73	0.5929
100	1	271		-	25.38	-		
100	135	67		-	25.82	-		
100	1	1	QPSK	-	24.95	-		
100	1	271		-	25.36	-		
100	135	67		-	25.86	-		
100	1	1	16-QAM	-	24.07	-	25.94	0.3926
100	1	1	64-QAM	-	22.56	-		
100	1	1	256-QAM	-	20.54	-		
Limit	EIRP < 1W			Result			Pass	



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NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.64	25.70	25.94	27.78	0.5998
10	1	50		25.70	25.83	26.01		
10	25	12		25.64	25.77	25.95		
10	1	1	QPSK	25.61	25.70	25.90		
10	1	50		25.68	25.80	26.00		
10	25	12		25.69	25.80	25.91		
10	1	1	16-QAM	24.91	24.99	25.19	26.96	0.4966
10	1	1	64-QAM	23.10	23.00	23.22		
10	1	1	256-QAM	20.68	20.77	20.99		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.77	25.82	26.07	27.93	0.6209
15	1	77		25.86	25.92	26.11		
15	36	18		25.84	25.94	26.11		
15	1	1	QPSK	25.75	25.82	26.04		
15	1	77		25.85	25.92	26.09		
15	36	18		25.86	25.98	26.16		
15	1	1	16-QAM	25.09	24.93	25.33	27.10	0.5129
15	1	1	64-QAM	23.09	23.15	23.37		
15	1	1	256-QAM	20.84	20.89	21.13		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.76	25.78	26.00	27.91	0.618
20	1	104		25.82	25.86	26.04		
20	50	25		25.90	25.95	26.13		
20	1	1	QPSK	25.75	25.76	25.97		
20	1	104		25.80	25.86	26.02		
20	50	25		25.89	25.95	26.14		
20	1	1	16-QAM	24.60	24.53	25.27	27.04	0.5058
20	1	1	64-QAM	23.05	23.09	23.29		
20	1	1	256-QAM	20.84	20.86	21.06		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.39	26.30	26.20	28.31	0.6776
10	1	50		26.43	26.30	26.24		
10	25	12		26.44	26.30	26.18		
10	1	1	QPSK	26.51	26.41	26.27		
10	1	50		26.54	26.44	26.30		
10	25	12		26.46	26.31	26.18		
10	1	1	16-QAM	25.31	25.29	25.24	27.08	0.5105
10	1	1	64-QAM	23.99	23.81	23.67		
10	1	1	256-QAM	22.15	21.98	21.86		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.57	26.41	26.37	28.48	0.7047
15	1	77		26.58	26.42	26.51		
15	36	18		26.64	26.52	26.49		
15	1	1	QPSK	26.71	26.52	26.42		
15	1	77		26.68	26.53	26.52		
15	36	18		26.66	26.51	26.53		
15	1	1	16-QAM	25.45	25.28	25.64	27.41	0.5508
15	1	1	64-QAM	24.30	23.91	23.81		
15	1	1	256-QAM	22.22	22.08	21.53		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.53	26.11	26.37	28.44	0.6982
20	1	104		26.43	26.25	26.40		
20	50	25		26.66	26.28	26.52		
20	1	1	QPSK	26.65	26.18	26.37		
20	1	104		26.63	26.22	26.47		
20	50	25		26.67	26.33	26.50		
20	1	1	16-QAM	25.55	24.84	25.62	27.39	0.5483
20	1	1	64-QAM	24.06	23.53	23.68		
20	1	1	256-QAM	22.21	21.28	21.47		
Limit	EIRP < 1W			Result			Pass	



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NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.50	25.57	25.78	27.65	0.5821
10	1	22		25.49	25.60	25.77		
10	12	6		25.63	25.71	25.87		
10	1	1	QPSK	25.61	25.64	25.86		
10	1	22		25.60	25.65	25.86		
10	12	6		24.65	25.73	25.88		
10	1	1	16-QAM	24.42	24.55	24.76	26.53	0.4498
10	1	1	64-QAM	23.03	23.16	23.31		
10	1	1	256-QAM	21.01	21.03	21.29		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.54	25.51	25.76	27.65	0.5821
15	1	36		25.52	25.54	25.75		
15	18	9		25.62	25.69	25.86		
15	1	1	QPSK	25.62	25.59	25.87		
15	1	36		25.61	25.67	25.84		
15	18	9		25.64	25.72	25.88		
15	1	1	16-QAM	25.62	24.46	24.70	27.39	0.5483
15	1	1	64-QAM	24.43	23.09	23.31		
15	1	1	256-QAM	23.04	21.05	21.28		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.47	25.49	25.69	27.66	0.5834
20	1	49		25.47	25.51	25.68		
20	25	12		25.66	25.70	25.85		
20	1	1	QPSK	25.50	25.55	25.74		
20	1	49		25.49	25.58	25.73		
20	25	12		25.68	25.72	25.89		
20	1	1	16-QAM	24.55	24.48	24.69	26.46	0.4426
20	1	1	64-QAM	23.12	22.99	23.23		
20	1	1	256-QAM	20.88	20.98	21.18		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.07	25.11	25.24	27.55	0.5689
40	1	104		25.08	25.23	25.33		
40	50	25		25.51	25.63	25.76		
40	1	1	QPSK	25.12	25.16	25.28		
40	1	104		25.13	25.31	25.38		
40	50	25		25.55	25.63	25.78		
40	1	1	16-QAM	23.94	23.97	24.24	26.01	0.3990
40	1	1	64-QAM	22.60	22.62	22.78		
40	1	1	256-QAM	20.55	20.59	20.73		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.34	25.37	25.51	27.58	0.5728
50	1	131		25.57	25.50	25.56		
50	64	32		25.55	25.66	25.81		
50	1	1	QPSK	25.44	25.40	25.58		
50	1	131		25.43	25.60	25.61		
50	64	32		25.57	25.65	25.80		
50	1	1	16-QAM	24.27	24.29	24.49	26.26	0.4227
50	1	1	64-QAM	22.94	22.92	23.05		
50	1	1	256-QAM	20.77	20.93	21.03		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.36	25.41	25.45	27.55	0.5689
60	1	160		25.48	25.57	25.60		
60	81	40		25.60	25.66	25.78		
60	1	1	QPSK	25.47	25.53	25.55		
60	1	160		25.55	25.65	25.68		
60	81	40		25.61	25.67	25.77		
60	1	1	16-QAM	24.31	24.36	24.39	26.16	0.4130
60	1	1	64-QAM	22.97	22.88	23.08		
60	1	1	256-QAM	20.91	20.85	20.83		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.91	24.95	25.00	27.39	0.5483
80	1	215		25.00	25.07	25.06		
80	108	54		25.50	25.54	25.58		
80	1	1	QPSK	25.05	25.08	25.12		
80	1	215		25.21	25.21	25.22		
80	108	54		25.50	25.55	25.62		
80	1	1	16-QAM	23.95	23.89	24.03	25.80	0.3802
80	1	1	64-QAM	22.36	22.36	22.45		
80	1	1	256-QAM	20.66	20.70	20.74		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	24.67	-	27.27	0.5333
100	1	271		-	24.79	-		
100	135	67		-	25.50	-		
100	1	1	QPSK	-	24.79	-		
100	1	271		-	24.92	-		
100	135	67		-	25.50	-		
100	1	1	16-QAM	-	23.76	-	25.53	0.3573
100	1	1	64-QAM	-	22.32	-		
100	1	1	256-QAM	-	20.46	-		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.70	26.60	26.47	28.61	0.7261
10	1	22		26.62	26.51	26.44		
10	12	6		26.79	26.70	26.50		
10	1	1	QPSK	26.72	26.64	26.51		
10	1	22		26.68	26.53	26.43		
10	12	6		26.84	26.69	26.51		
10	1	1	16-QAM	25.69	25.71	25.54	27.48	0.5598
10	1	1	64-QAM	24.47	24.30	24.23		
10	1	1	256-QAM	22.14	22.29	22.05		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.75	26.53	26.48	28.60	0.7244
15	1	36		26.65	26.51	26.37		
15	18	9		26.83	26.61	26.54		
15	1	1	QPSK	26.73	26.55	26.44		
15	1	36		26.72	26.54	26.34		
15	18	9		26.70	26.66	25.56		
15	1	1	16-QAM	25.62	25.67	25.50	27.44	0.5546
15	1	1	64-QAM	24.45	23.98	24.22		
15	1	1	256-QAM	22.01	22.19	21.79		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.66	26.44	26.50	28.60	0.7244
20	1	49		26.63	26.47	26.28		
20	25	12		26.81	26.63	26.58		
20	1	1	QPSK	26.71	26.53	26.50		
20	1	49		26.66	26.41	26.31		
20	25	12		26.83	26.69	26.62		
20	1	1	16-QAM	25.58	25.41	25.55	27.35	0.5433
20	1	1	64-QAM	24.15	24.21	23.94		
20	1	1	256-QAM	21.97	21.99	21.69		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.41	26.23	26.25	28.55	0.7161
40	1	104		26.22	26.22	26.02		
40	50	25		26.78	26.72	26.57		
40	1	1	QPSK	26.34	26.27	26.18		
40	1	104		26.15	26.20	25.98		
40	50	25		26.77	26.70	26.62		
40	1	1	16-QAM	25.37	25.16	25.36	27.14	0.5176
40	1	1	64-QAM	23.94	23.92	23.55		
40	1	1	256-QAM	21.62	21.89	21.72		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.64	26.52	26.50	28.61	0.7261
50	1	131		26.47	26.42	26.29		
50	64	32		26.84	26.73	26.64		
50	1	1	QPSK	26.64	26.54	26.52		
50	1	131		26.51	26.48	26.20		
50	64	32		26.82	26.74	26.79		
50	1	1	16-QAM	25.66	25.38	25.38	27.43	0.5534
50	1	1	64-QAM	24.38	23.79	24.08		
50	1	1	256-QAM	22.26	22.25	21.94		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.63	26.51	26.55	28.55	0.7161
60	1	160		26.52	26.44	26.28		
60	81	40		26.78	26.77	26.76		
60	1	1	QPSK	26.70	26.61	26.56		
60	1	160		26.55	26.47	26.34		
60	81	40		26.76	26.76	26.73		
60	1	1	16-QAM	25.38	25.52	25.57	27.34	0.5420
60	1	1	64-QAM	23.84	23.68	23.62		
60	1	1	256-QAM	22.10	21.91	21.95		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.14	26.11	26.14	28.34	0.6823
80	1	215		25.85	25.77	25.74		
80	108	54		26.55	26.57	26.53		
80	1	1	QPSK	26.21	26.30	26.20		
80	1	215		25.89	25.87	25.80		
80	108	54		26.54	26.57	26.53		
80	1	1	16-QAM	24.78	25.37	25.46	27.23	0.5284
80	1	1	64-QAM	23.38	23.42	23.66		
80	1	1	256-QAM	21.45	21.64	21.31		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.98	-	28.32	0.6792
100	1	271		-	25.36	-		
100	135	67		-	26.55	-		
100	1	1	QPSK	-	26.06	-		
100	1	271		-	25.42	-		
100	135	67		-	26.54	-		
100	1	1	16-QAM	-	25.26	-	27.03	0.5047
100	1	1	64-QAM	-	23.33	-		
100	1	1	256-QAM	-	21.09	-		
Limit	EIRP < 1W			Result			Pass	



Appendix B. Test Results of Radiated Test

5G NR n77 (HPUE) (Ant MIMO 2)

5G NR n77 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.42	-13	-29.42	-71.67	-50.23	1.84	11.80	H
	10503	-35.75	-13	-22.75	-71.4	-42.15	2.25	10.80	H
	14004	-29.09	-13	-16.09	-72.71	-36.67	2.67	12.40	H
	21008	-62.20	-13	-49.20	-75.64	-74.62	3.24	17.81	H
	24504	-58.62	-13	-45.62	-76.89	-71.42	3.75	18.70	H
	28012	-55.57	-13	-42.57	-76.02	-69.14	3.97	19.69	H
									H
	7002	-42.10	-13	-29.10	-71.43	-49.91	1.84	11.80	V
	10503	-36.33	-13	-23.33	-71.43	-42.73	2.25	10.80	V
	14004	-29.66	-13	-16.66	-72.71	-37.24	2.67	12.40	V
	21008	-62.13	-13	-49.13	-75.27	-74.55	3.24	17.81	V
	24504	-58.93	-13	-45.93	-76.89	-71.73	3.75	18.70	V
	28012	-55.90	-13	-42.90	-75.95	-69.47	3.97	19.69	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n77 MIMO (HPUE) (Ant. MIMO 2 + Ant. Main)

5G NR n77 MIMO (HPUE)/ 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.25	-13	-29.25	-71.72	-50.06	1.84	11.80	H
	10503	-35.54	-13	-22.54	-71.15	-41.94	2.25	10.80	H
	14004	-29.39	-13	-16.39	-72.59	-36.97	2.67	12.40	H
	20708	-61.98	-13	-48.98	-75.38	-74.52	3.22	17.92	H
	24159	-58.50	-13	-45.50	-76.16	-71.06	3.78	18.50	H
	27610	-55.72	-13	-42.72	-76.25	-69.17	3.95	19.54	H
									H
	7002	-41.85	-13	-28.85	-71.4	-49.66	1.84	11.80	V
	10503	-36.17	-13	-23.17	-71.23	-42.57	2.25	10.80	V
	14004	-30.21	-13	-17.21	-72.84	-37.79	2.67	12.40	V
	20708	-62.09	-13	-49.09	-75.25	-74.63	3.22	17.92	V
	24159	-58.78	-13	-45.78	-76.08	-71.34	3.78	18.50	V
	27610	-57.10	-13	-44.10	-77.31	-70.55	3.95	19.54	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 (HPUE) (Ant. MIMO 2)

5G NR n78 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.16	-13	-29.16	-71.41	-49.97	1.84	11.80	H
	10503	-35.69	-13	-22.69	-71.34	-42.09	2.25	10.80	H
	14004	-29.23	-13	-16.23	-72.85	-36.81	2.67	12.40	H
	21008	-61.98	-13	-48.98	-75.42	-74.40	3.24	17.81	H
	24508	-58.45	-13	-45.45	-76.72	-71.25	3.75	18.70	H
	28012	-55.61	-13	-42.61	-76.06	-69.18	3.97	19.69	H
									H
	7002	-42.41	-13	-29.41	-71.74	-50.22	1.84	11.80	V
	10503	-36.59	-13	-23.59	-71.69	-42.99	2.25	10.80	V
	14004	-29.89	-13	-16.89	-72.94	-37.47	2.67	12.40	V
	21008	-62.28	-13	-49.28	-75.42	-74.70	3.24	17.81	V
	24508	-58.74	-13	-45.74	-76.7	-71.54	3.75	18.70	V
	28012	-55.46	-13	-42.46	-75.51	-69.03	3.97	19.69	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 MIMO (HPUE) (Ant. MIMO 2 + Ant. Main)

5G NR n78 MIMO (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.25	-13	-29.25	-71.72	-50.06	1.84	11.80	H
	10503	-35.54	-13	-22.54	-71.15	-41.94	2.25	10.80	H
	14004	-29.39	-13	-16.39	-72.59	-36.97	2.67	12.40	H
	20708	-61.98	-13	-48.98	-75.38	-74.52	3.22	17.92	H
	24159	-58.50	-13	-45.50	-76.16	-71.06	3.78	18.50	H
	27610	-55.72	-13	-42.72	-76.25	-69.17	3.95	19.54	H
									H
	7002	-41.85	-13	-28.85	-71.4	-49.66	1.84	11.80	V
	10503	-36.17	-13	-23.17	-71.23	-42.57	2.25	10.80	V
	14004	-30.21	-13	-17.21	-72.84	-37.79	2.67	12.40	V
	20708	-62.09	-13	-49.09	-75.25	-74.63	3.22	17.92	V
	24159	-58.78	-13	-45.78	-76.08	-71.34	3.78	18.50	V
	27610	-57.10	-13	-44.10	-77.31	-70.55	3.95	19.54	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n77 (HPUE) (Ant. Main)

5G NR n77 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.07	-13	-29.07	-71.54	-50.10	1.72	11.90	H
	10503	-35.87	-13	-22.87	-71.48	-42.23	2.39	10.90	H
	14004	-29.25	-13	-16.25	-72.45	-36.41	2.88	12.19	H
	21008	-62.23	-13	-49.23	-75.37	-76.70	2.08	18.70	H
	24504	-58.99	-13	-45.99	-76.95	-72.32	2.03	17.51	H
	28012	-56.43	-13	-43.43	-76.48	-71.29	2.40	19.40	H
									H
	7002	-42.20	-13	-29.20	-71.75	-50.23	1.72	11.90	V
	10503	-36.66	-13	-23.66	-71.72	-43.02	2.39	10.90	V
	14004	-30.11	-13	-17.11	-72.74	-37.27	2.88	12.19	V
	21008	-62.03	-13	-49.03	-75.47	-76.50	2.08	18.70	V
	24504	-58.56	-13	-45.56	-76.83	-71.89	2.03	17.51	V
	28012	-55.49	-13	-42.49	-75.94	-70.35	2.40	19.40	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 (HPUE) (Ant. Main)

5G NR n78 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.33	-13	-29.33	-71.8	-50.14	1.84	11.80	H
	10503	-35.55	-13	-22.55	-71.16	-41.95	2.25	10.80	H
	14004	-29.43	-13	-16.43	-72.63	-37.01	2.67	12.40	H
	21008	-61.96	-13	-48.96	-75.4	-74.38	3.24	17.81	H
	24508	-58.63	-13	-45.63	-76.9	-71.43	3.75	18.70	H
	28012	-55.35	-13	-42.35	-75.8	-68.92	3.97	19.69	H
									H
	7002	-41.78	-13	-28.78	-71.33	-49.59	1.84	11.80	V
	10503	-33.46	-13	-20.46	-71.52	-39.86	2.25	10.80	V
	14004	-30.17	-13	-17.17	-72.8	-37.75	2.67	12.40	V
	21008	-62.35	-13	-49.35	-75.49	-74.77	3.24	17.81	V
	24508	-58.96	-13	-45.96	-76.92	-71.76	3.75	18.70	V
	28012	-55.83	-13	-42.83	-75.88	-69.40	3.97	19.69	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n77 (HPUE) (SRS Ant. MIMO 1)

5G NR n77 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-41.98	-13	-28.98	-71.45	-50.01	1.72	11.90	H
	10503	-35.67	-13	-22.67	-71.28	-42.03	2.39	10.90	H
	14004	-29.56	-13	-16.56	-72.76	-36.72	2.88	12.19	H
	21008	-61.58	-13	-48.58	-75.02	-76.05	2.08	18.70	H
	24504	-58.96	-13	-45.96	-77.23	-72.29	2.03	17.51	H
	28012	-55.66	-13	-42.66	-76.11	-70.52	2.40	19.40	H
									H
	7002	-42.29	-13	-29.29	-71.84	-50.32	1.72	11.90	V
	10503	-36.38	-13	-23.38	-71.44	-42.74	2.39	10.90	V
	14004	-29.54	-13	-16.54	-72.17	-36.70	2.88	12.19	V
	21008	-62.35	-13	-49.35	-75.49	-76.82	2.08	18.70	V
	24504	-58.83	-13	-45.83	-76.79	-72.16	2.03	17.51	V
	28012	-56.28	-13	-43.28	-76.33	-71.14	2.40	19.40	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 (HPUE) (SRS Ant. MIMO 1)

5G NR n78 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.34	-13	-29.34	-71.81	-50.15	1.84	11.80	H
	10503	-35.88	-13	-22.88	-71.49	-42.28	2.25	10.80	H
	14004	-29.45	-13	-16.45	-72.65	-37.03	2.67	12.40	H
	21008	-61.69	-13	-48.69	-75.13	-74.11	3.24	17.81	H
	24508	-58.26	-13	-45.26	-76.53	-71.06	3.75	18.70	H
	28012	-55.80	-13	-42.80	-76.25	-69.37	3.97	19.69	H
									H
	7002	-42.19	-13	-29.19	-71.74	-50.00	1.84	11.80	V
	10503	-36.35	-13	-23.35	-71.41	-42.75	2.25	10.80	V
	14004	-30.13	-13	-17.13	-72.76	-37.71	2.67	12.40	V
	21008	-61.91	-13	-48.91	-75.05	-74.33	3.24	17.81	V
	24508	-59.05	-13	-46.05	-77.01	-71.85	3.75	18.70	V
	28012	-55.27	-13	-42.27	-75.32	-68.84	3.97	19.69	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n77 (HPUE) (SRS Ant. Aux.)

5G NR n77 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-70.84	-13	-57.84	-71.84	-78.87	1.72	11.90	H
	10503	-70.18	-13	-57.18	-71.18	-76.54	2.39	10.90	H
	14004	-29.40	-13	-16.40	-72.6	-36.56	2.88	12.19	H
	21008	-62.25	-13	-49.25	-75.69	-76.72	2.08	18.70	H
	24504	-58.64	-13	-45.64	-76.91	-71.97	2.03	17.51	H
	28010	-55.24	-13	-42.24	-75.69	-70.10	2.40	19.40	H
									H
	7002	-42.09	-13	-29.09	-71.64	-50.12	1.72	11.90	V
	10503	-36.67	-13	-23.67	-71.73	-43.03	2.39	10.90	V
	14004	-30.26	-13	-17.26	-72.89	-37.42	2.88	12.19	V
	21008	-62.30	-13	-49.30	-75.44	-76.77	2.08	18.70	V
	24504	-58.91	-13	-45.91	-76.87	-72.24	2.03	17.51	V
	28010	-55.96	-13	-42.96	-76.01	-70.82	2.40	19.40	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 (HPUE) (SRS Ant. Aux.)

5G NR n78 (HPUE) / 100MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7002	-42.08	-13	-29.08	-71.55	-49.89	1.84	11.80	H
	10503	-35.72	-13	-22.72	-71.33	-42.12	2.25	10.80	H
	14004	-29.15	-13	-16.15	-72.35	-36.73	2.67	12.40	H
	21008	-61.07	-13	-48.07	-74.51	-73.49	3.24	17.81	H
	24508	-57.76	-13	-44.76	-76.03	-70.56	3.75	18.70	H
	28012	-55.42	-13	-42.42	-75.87	-68.99	3.97	19.69	H
									H
	7002	-42.09	-13	-29.09	-71.64	-49.90	1.84	11.80	V
	10503	-36.20	-13	-23.20	-71.26	-42.60	2.25	10.80	V
	14004	-30.39	-13	-17.39	-73.02	-37.97	2.67	12.40	V
	21008	-61.97	-13	-48.97	-75.11	-74.39	3.24	17.81	V
	24508	-58.56	-13	-45.56	-76.52	-71.36	3.75	18.70	V
	28012	-55.82	-13	-42.82	-75.87	-69.39	3.97	19.69	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.