



FCC RADIO TEST REPORT

FCC ID : B94HNI67C4BLV
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I67C-4
Marketing Name : HSN-I67C-4
Applicant : HP Inc.
1501 Page Mill Road, Palo Alto CA,
94304, USA
Standard : FCC 47 CFR Part 2, 22(H), 27, Part
90(R), Part 90(S)

The product was received on Jan. 28, 2026 and testing was performed from Mar. 04, 2026 to Mar. 20, 2026. 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 from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG5O2730-02B	01	Initial issue of report	Apr. 10, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 RSS-195 5.5 RSS-140 4.3	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (Band 30)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
4.2	§2.1053 §22.917 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g)§90.691	Radiated Spurious Emission (Band 12) (Band 13) (Band 26)	Pass	-
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (Band 30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Remark:

- For host device, Field Strength of Spurious Radiation, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
- As the RF design of this device is identical to that of FCC ID B94HNI65C4BLV, with the only variation being the CPU platform, RSE data reuse from FCC ID B94HNI65C4BLV is hereby requested.
Spot-check measurements presented in Appendix A and B of this report substantiate and justify the validity of the RSE data reuse for this device configuration.

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Sheng Kuo**Report Producer: Shannon Huang**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11ax/be, NFC and GNSS
Integrated WLAN Module	Brand Name: Intel Model Name: BE211D2W FCC ID: PD9BE211D2
Integrated NFC Module	Brand Name: WNC Model Name: XRAV1 FCC ID: NKR-XRAV1
Antenna Type	WWAN: PIFA Antenna WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71, B2C, B7C, B41C, B66B, B66C
Evaluated and Tested band	B12, B13, B14, B26, B30

TDD band Power Class		
	PC3	PC2
B38	V	-
B41	V	-

WWAN Antenna Information				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 2: 0.15 LTE Band 4: -0.49 LTE Band 5: -1.86 LTE Band 7: -1.47 LTE Band 12: 0.26 LTE Band 13: -0.13 LTE Band 14: -0.93 LTE Band 17: 0.26 LTE Band 25: 0.15 LTE Band 26: -1.47 LTE Band 30: -1.87 LTE Band 38: -2.34 LTE Band 41: 0.39 LTE Band 66: -0.49 LTE Band 71: 0.09
	Part number	6036B0383901 (260-27594)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 2: -0.06 LTE Band 4: 1.19 LTE Band 5: -3.54 LTE Band 7: -3.54 LTE Band 12: -1.60 LTE Band 13: -1.73 LTE Band 14: -2.40 LTE Band 17: -1.60 LTE Band 25: -0.06 LTE Band 26: -3.36 LTE Band 30: -1.49 LTE Band 38: -3.54 LTE Band 41: -3.54 LTE Band 66: 1.59 LTE Band 71: -2.56
	Part number	81EACC15.G29	Type	PIFA
Antenna 8	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 2: -2.21 LTE Band 7: -3.98 LTE Band 30: -5.28 LTE Band 66: -2.67
	Part number	6036B0383701 (260-27596)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 2: -0.80 LTE Band 7: 0.17 LTE Band 30: -0.27 LTE Band 66: -0.69
	Part number	81EACC15.G31	Type	PIFA

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

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 (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855		
Test Site No.	Sporton Site No.		
	TH05-HY	03CH15-HY	03CH21-HY
Test Engineer	Yuki Chen	Bigshow Wang	Jack Cheng and Ray Lung
Temperature (°C)	22.3 ~ 22.9	21.3 ~ 21.5	18.0 ~ 26.0
Relative Humidity (%)	53.2 ~ 55.5	53.0 ~ 55.0	50.0 ~ 70.0

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

FCC Designation No.: TW3786

1.4 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, 22(H), 27, Part 90(R), Part 90(S)
- ♦ 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
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.

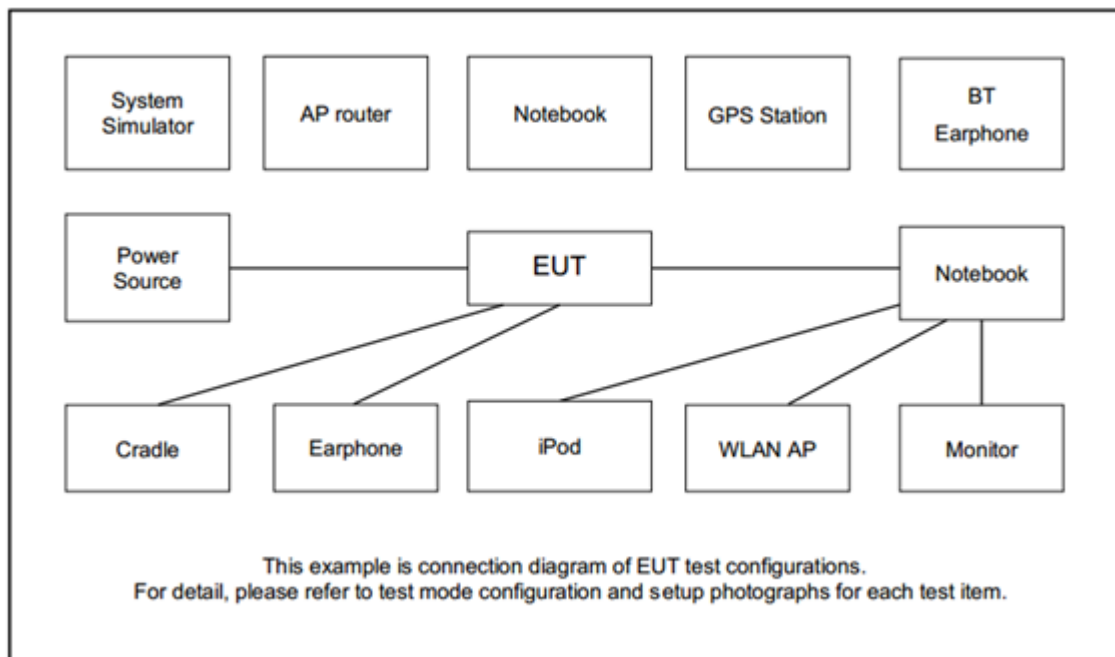
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1RB	L, M, H
ERP/EIRP	A, B	All	1RB	L, M, H
RSE	A	Max	1RB	Remark 5

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. 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.
3. For modulation of QPSK & 16QAM, the maximum power of QPSK & 16QAM is higher than other modulation(64QAM/256QAM), therefore, according to engineering evaluation, we choose higher power (QPSK & 16QAM) to perform tests and show in the report.
4. During the RSE preliminary test, the standalone mode and charging modes were verified. It is determined that the charging modes is the worst case for the official test.
5. Based on the evaluation of FCC ID B94HNI65C4BLV, verify the worst channel.

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.	Iphone Earphone	Apple	N/A	N/A	Shielded, 1.2m	N/A
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
3.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8m
4.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8m



2.4 Frequency List of Low/Middle/High Channels

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5



LTE Band 26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5

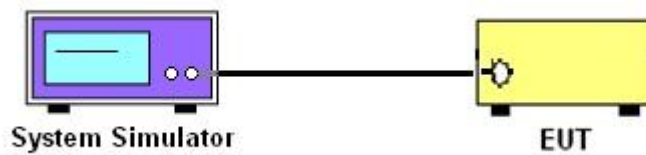
3 Conducted Test Items

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 ERP

3.2.1 Description of the Conducted Output Power Measurement and ERP 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 ERP of mobile transmitters must not exceed 7 Watts for LTE Band 26 (Part 22H)

The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13, Band 14

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30

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.

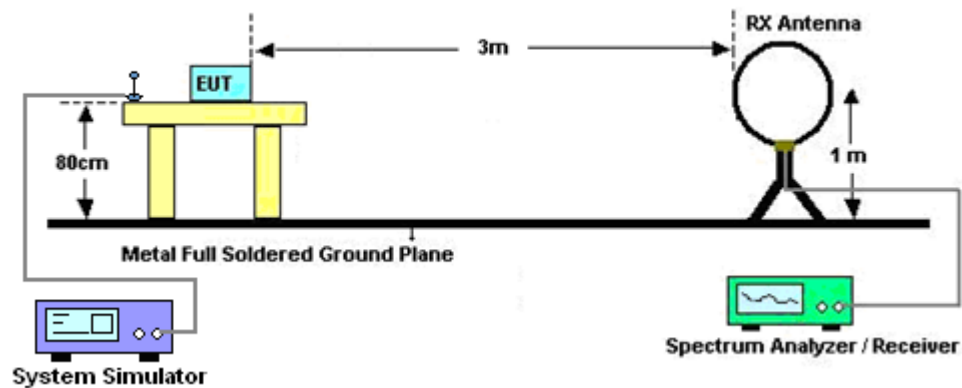
4 Radiated Test Items

4.1 Measuring Instruments

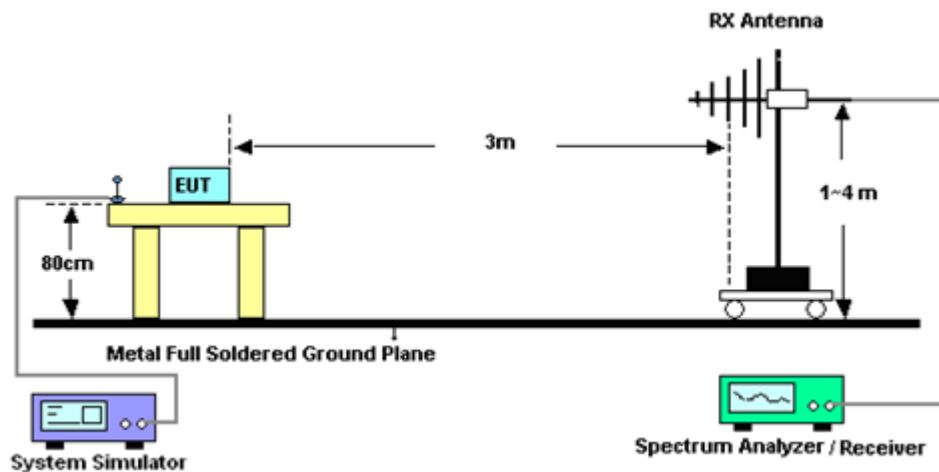
See list of measuring instruments of this test report.

4.1.1 Test Setup

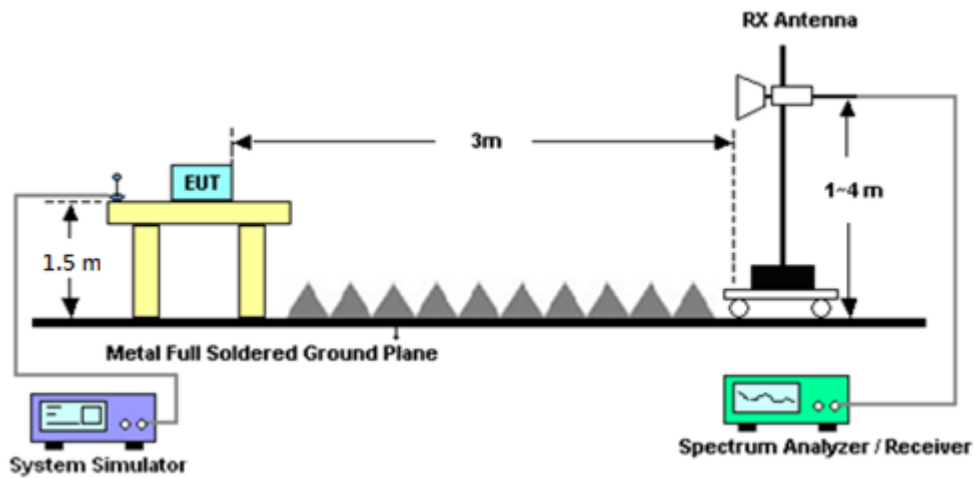
For radiated test below 30MHz



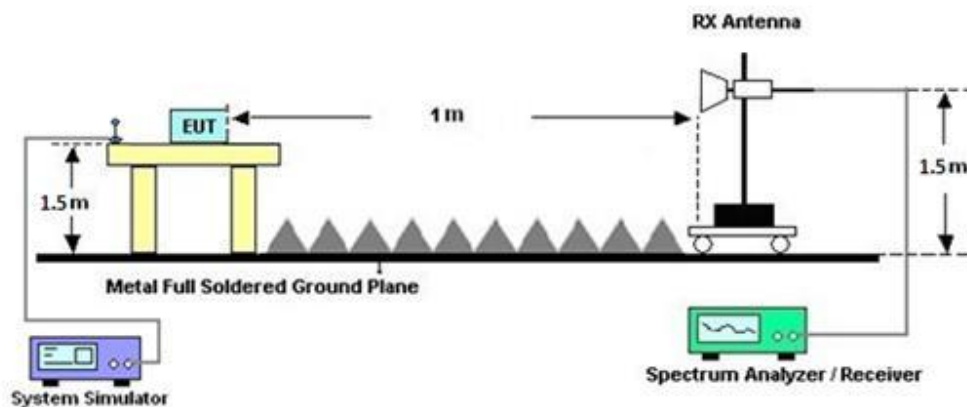
For radiated test from 30MHz to 1GHz



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.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30

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 $70 + 10 \log (P)$ dB.

For LTE Band 14

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.

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 C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

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. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)
For LTE Band 30
The limit line is derived from $70 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)



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	100315	9 kHz~30 MHz	May 06, 2025	Mar. 04, 2026~ Mar. 12, 2026	May 05, 2026	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 06, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 05, 2026	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz~1GHz	Oct. 04, 2025	Mar. 04, 2026~ Mar. 12, 2026	Oct. 03, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 11, 2026	Mar. 04, 2026~ Mar. 12, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 11, 2026	Mar. 04, 2026~ Mar. 12, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2026	Mar. 04, 2026~ Mar. 12, 2026	May 25, 2027	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 15, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jul. 14, 2026	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803950/2	30MHz~18GHz	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY519228/2, 803950/2,508407/2E	30MHz~40GHz	Sep. 24, 2025	Mar. 04, 2026~ Mar. 12, 2026	Sep. 23, 2026	Radiation (03CH15-HY)
Hygrometer	TECEPEL	DTM-302	SN2	N/A	Aug. 26, 2025	Mar. 04, 2026~ Mar. 12, 2026	Aug. 25, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX12-900-1000-15000-60SS	SN10	1GHz High Pass Filter	Dec. 22, 2025	Mar. 04, 2026~ Mar. 12, 2026	Dec. 21, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-6090-7000-18000-40SS	SN98	7GHz High Pass Filter	Dec. 22, 2025	Mar. 04, 2026~ Mar. 12, 2026	Dec. 21, 2026	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Mar. 16, 2026~ Mar. 18, 2026	Dec. 10, 2026	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Nov. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Nov. 25, 2026	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Aug. 07, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 06, 2026	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Mar. 16, 2026~ Mar. 18, 2026	Jul. 01, 2026	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 13, 2025	Mar. 16, 2026~ Mar. 18, 2026	Jul. 12, 2026	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Sep. 25, 2026	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 25, 2026	Radiation (03CH21-HY)
EXA Signal Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 09, 2025	Mar. 16, 2026~ Mar. 18, 2026	Sep. 08, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 04, 2026	Mar. 16, 2026~ Mar. 18, 2026	Mar. 03, 2027	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,80 4612/2,8039 54/2	30MHz~40GHz	Aug. 11, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 10, 2026	Radiation (03CH21-HY)
RF Cable	EMCI	EMC101Y-KM-KM-1000	240906	30MHz~40GHz	Oct. 21, 2025	Mar. 16, 2026~ Mar. 18, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Hygrometer	TECEPEL	DTM-303A	TP211568	N/A	Oct. 21, 2025	Mar. 16, 2026~ Mar. 18, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6262025341	LTE FDD/TDD LTE-2CC ULCA/DLCA	Sep. 16, 2025	Mar. 20, 2026	Sep. 15, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GET861546	0V~64V ; 0A~6A	Jun. 03, 2025	Mar. 20, 2026	Jun. 02, 2026	Conducted (TH05-HY)
Coupler	MVE	MVE4816	#Z	0.009MHz-18G Hz	Oct. 16, 2025	Mar. 20, 2026	Oct. 15, 2026	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101907	10Hz~40GHz	Aug. 25, 2025	Mar. 20, 2026	Aug. 24, 2026	Conducted (TH05-HY)
Thermal Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May. 12, 2025	Mar. 20, 2026	May. 11, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13,2025	Mar. 20, 2026	Jun. 12,2026	Conducted (TH05-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Mar. 20, 2026	N/A	Conducted (TH05-HY)
Hygrometer	TECEPIL	DTM-303A	TP201996	-10 ~ 50°C / 20 ~ 95%RH	Nov. 04,2025	Mar. 20, 2026	Nov. 11,2026	Conducted (TH05-HY)



6 Measurement Uncertainty

<03CH21-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
---	--------

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
---	--------

<03CH15-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
---	--------

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
---	--------

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERI/EIRP)

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.90	23.93	23.90	22.04	0.1600
10	1	0	16-QAM	23.12	22.99	23.06	21.23	0.1327
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.78	23.82	23.71	21.93	0.1560
5	1	0	16-QAM	22.98	22.82	22.96	21.09	0.1285
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.73	23.77	23.71	21.88	0.1542
3	1	0	16-QAM	22.92	22.84	22.96	21.07	0.1279
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.74	23.75	23.71	21.86	0.1535
1.4	1	0	16-QAM	23.02	22.84	22.94	21.13	0.1297
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.98	-	21.70	0.1479
10	1	0	16-QAM	-	22.91	-	20.63	0.1156
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.86	23.82	23.85	21.58	0.1439
5	1	0	16-QAM	22.72	22.73	22.76	20.48	0.1117
Limit	ERP < 3W			Result			Pass	

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.00	-	20.92	0.1236
10	1	0	16-QAM	-	23.00	-	19.92	0.0982
Limit	ERP < 3W			Result			Pass	

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.88	23.90	23.83	20.82	0.1208
5	1	0	16-QAM	22.86	22.89	22.85	19.81	0.0957
Limit	ERP < 3W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.95	23.86	23.95	20.33	0.1079
15	1	0	16-QAM	23.22	23.17	23.17	19.60	0.0912
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.83	23.73	23.83	20.21	0.1050
10	1	0	16-QAM	23.09	23.06	23.03	19.47	0.0885
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.84	23.70	23.82	20.22	0.1052
5	1	0	16-QAM	23.08	23.07	22.98	19.46	0.0883
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.78	23.66	23.84	20.22	0.1052
3	1	0	16-QAM	23.09	23.01	22.98	19.47	0.0885
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.85	23.69	23.78	20.23	0.1054
1.4	1	0	16-QAM	23.12	22.99	23.01	19.50	0.0891
Limit	ERP < 7W			Result			Pass	

LTE Band 30 Maximum Average Power [dBm] (GT - LC = -1.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	23.34	-	21.85	0.1531
10	1	0	16-QAM	-	22.39	-	20.90	0.1230
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

LTE Band 30 Maximum Average Power [dBm] (GT - LC = -1.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.14	23.22	23.21	21.73	0.1489
5	1	0	16-QAM	22.25	22.21	22.25	20.76	0.1191
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Jack Cheng and Ray Lung	Temperature :	21.1 ~ 25.7°C
		Relative Humidity :	55.8 ~ 63.2%

B1-1. Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	LTE B26	Part 22H	M	2475	-63.30	RMS	26.60	-24.22	0.91	-95.23	28.64	-13.00	-50.30	H	Ant 5
1	LTE B12	Part 27H	L	2099	-45.47	RMS	26.30	-24.71	0.84	-95.23	47.33	-13.00	-32.47	H	Ant 5
1	LTE B13	Part 27F	M	1560	-68.14	RMS	24.40	-25.21	1.05	-95.23	26.85	-42.15	-25.99	V	Ant 5
1	LTE B14	Part 90R	H	1587	-67.78	RMS	24.57	-25.19	1.06	-95.23	27.01	-42.15	-25.63	H	Ant 5

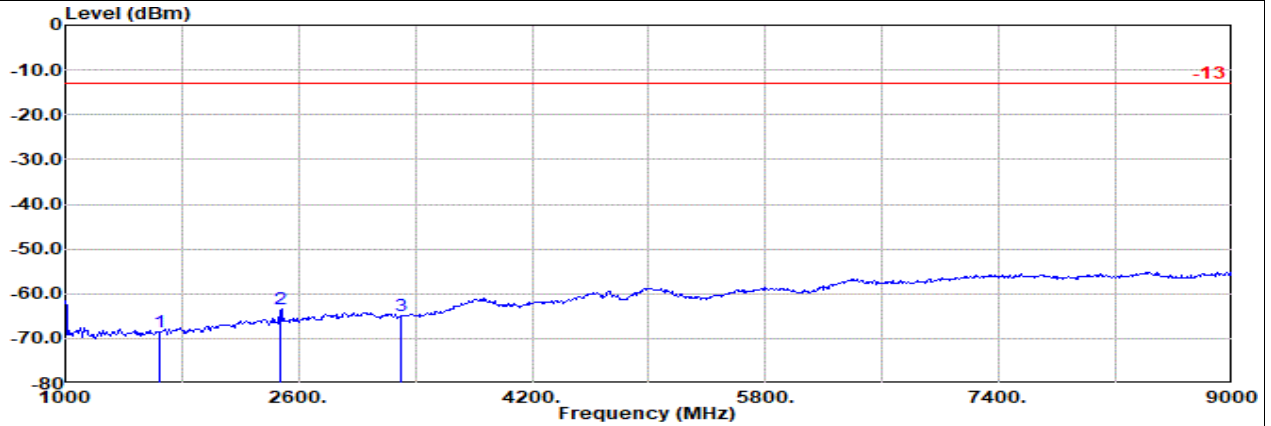


Ant. 5

Part 22H Mode 1

LTE B26 15M Ch26865 1RB0 QPSK

M

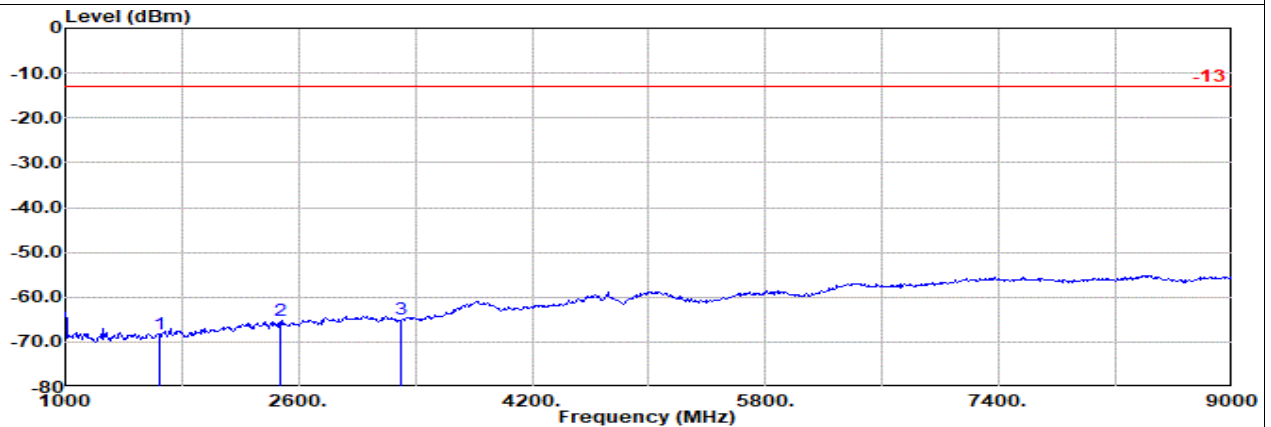


Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE B26 15M Ch26865 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1650.00	-68.56	RMS	24.70	-25.14	1.08	-95.23	26.03	-13.00	-55.56	Horizontal
2	2475.00	-63.30	RMS	26.60	-24.22	0.91	-95.23	28.64	-13.00	-50.30	Horizontal
3	3299.00	-64.91	RMS	28.10	-23.84	1.05	-95.23	25.01	-13.00	-51.91	Horizontal



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE B26 15M Ch26865 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1650.00	-68.19	RMS	24.70	-25.14	1.08	-95.23	26.40	-13.00	-55.19	Vertical
2	2475.00	-65.24	RMS	26.60	-24.22	0.91	-95.23	26.70	-13.00	-52.24	Vertical
3	3299.00	-64.97	RMS	28.10	-23.84	1.05	-95.23	24.95	-13.00	-51.97	Vertical

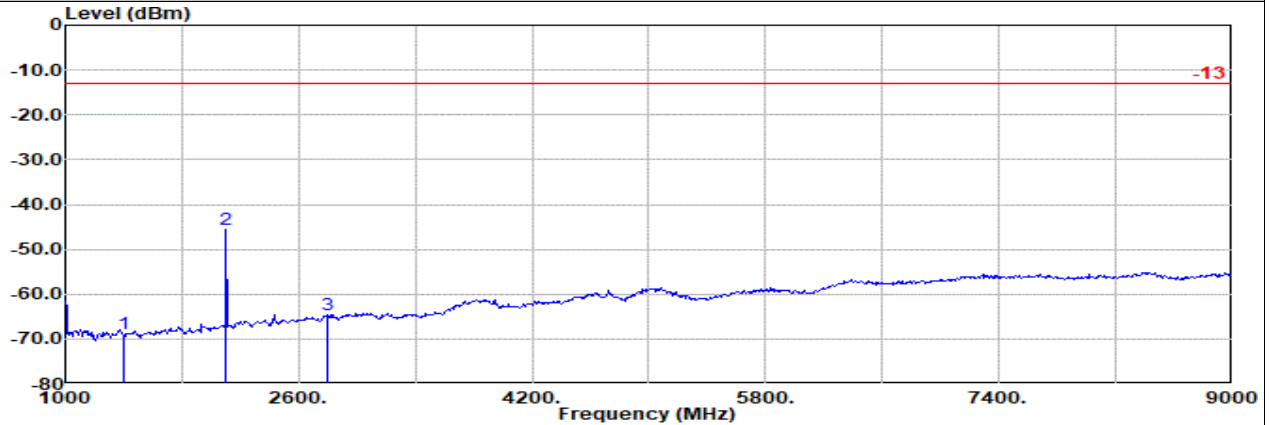


Ant. 5

Part 27H Mode 1

LTE B12 10M Ch23060 1RB0 QPSK

L

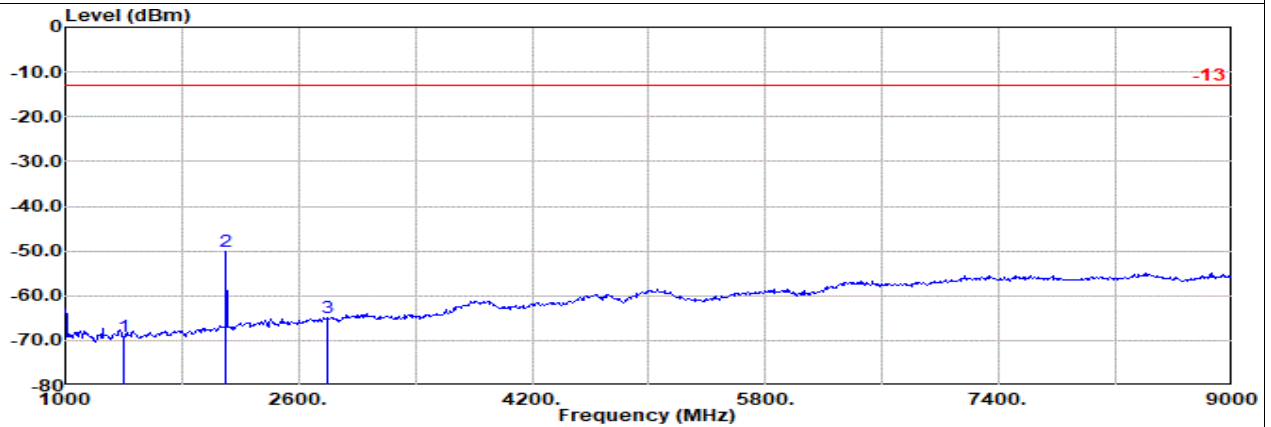


Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit g	Margin Pol	
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	1399.00	-68.81	RMS	24.40	-25.45	0.97	-95.23	26.50	-13.00	-55.81	Horizontal		
2	2099.00	-45.47	RMS	26.30	-24.71	0.84	-95.23	47.33	-13.00	-32.47	Horizontal		
3	2798.00	-64.71	RMS	27.70	-23.82	1.03	-95.23	25.61	-13.00	-51.71	Horizontal		



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit g	Margin Pol	
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	1399.00	-69.03	RMS	24.40	-25.45	0.97	-95.23	26.28	-13.00	-56.03	Vertical		
2	2099.00	-50.00	RMS	26.30	-24.71	0.84	-95.23	42.80	-13.00	-37.00	Vertical		
3	2798.00	-64.84	RMS	27.70	-23.82	1.03	-95.23	25.48	-13.00	-51.84	Vertical		

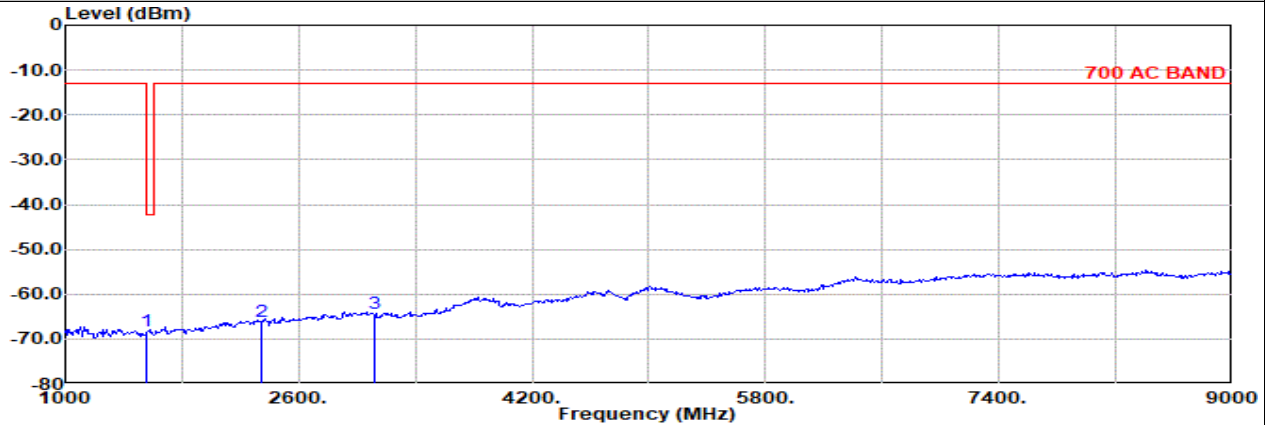


Ant. 5

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M

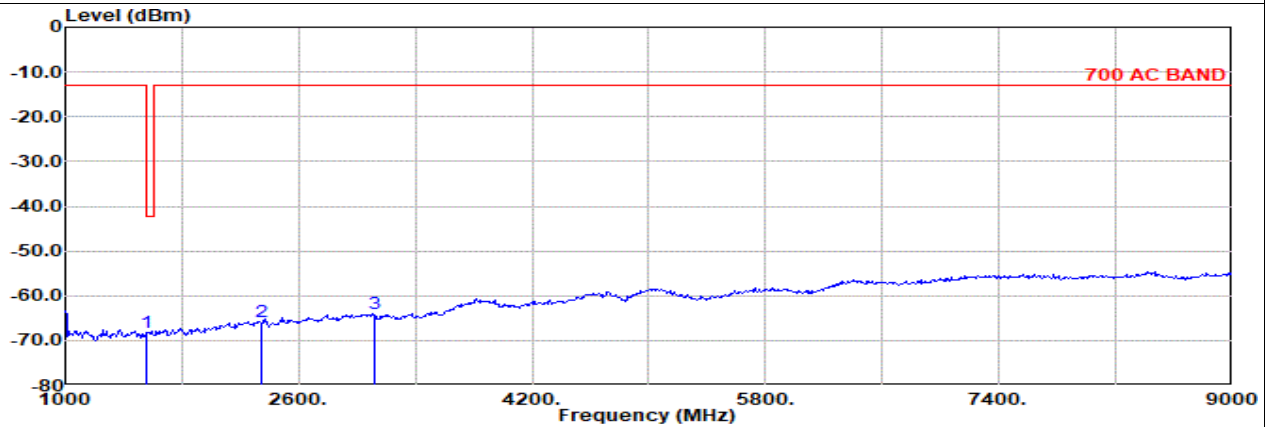


Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dB	dB		
1	1560.00	-68.33	RMS	24.40	-25.21	1.05	-95.23	26.66	-42.15	-26.18	Horizontal
2	2340.00	-66.10	RMS	26.80	-24.39	0.91	-95.23	25.81	-13.00	-53.10	Horizontal
3	3119.00	-64.18	RMS	28.00	-23.70	0.99	-95.23	25.76	-13.00	-51.18	Horizontal



Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dB	dB		
1	1560.00	-68.14	RMS	24.40	-25.21	1.05	-95.23	26.85	-42.15	-25.99	Vertical
2	2340.00	-65.72	RMS	26.80	-24.39	0.91	-95.23	26.19	-13.00	-52.72	Vertical
3	3119.00	-64.11	RMS	28.00	-23.70	0.99	-95.23	25.83	-13.00	-51.11	Vertical

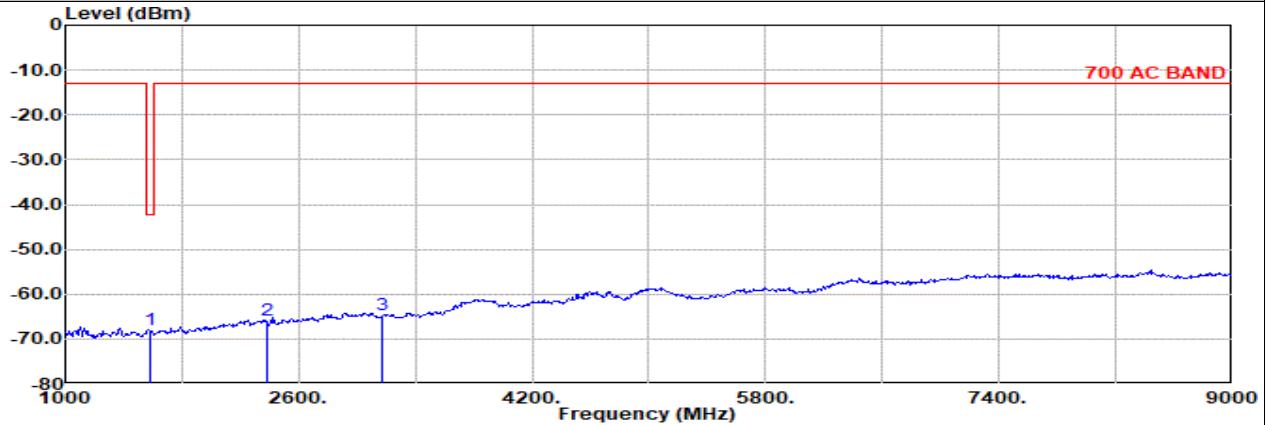


Ant. 5

Part 90R Mode 1

LTE B14 5M Ch23355 1RB0 QPSK

H

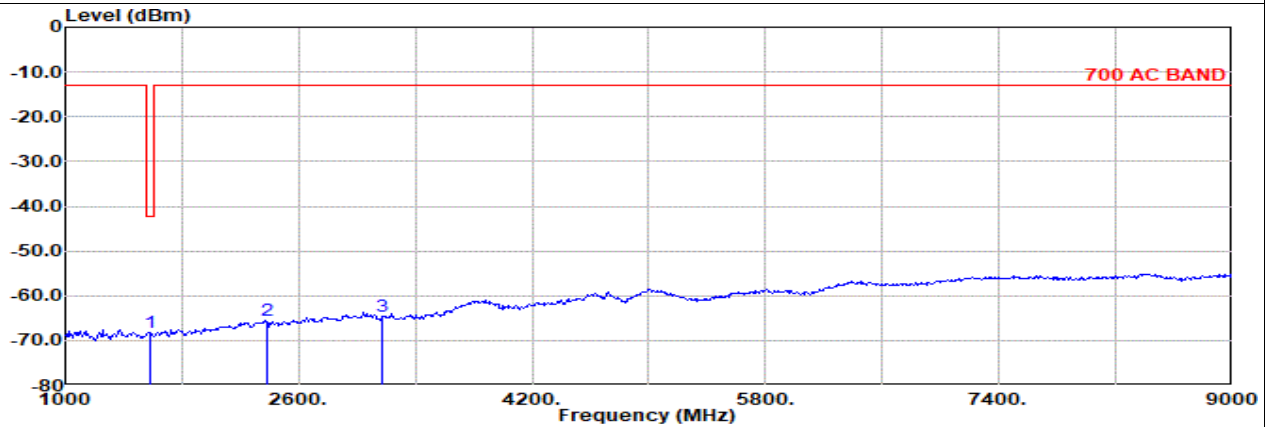


Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE Band 14 5M Ch23355 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1587.00	-67.78	RMS	24.57	-25.19	1.06	-95.23	27.01	-42.15	-25.63	Horizontal
2	2380.00	-65.68	RMS	26.70	-24.33	0.91	-95.23	26.27	-13.00	-52.68	Horizontal
3	3173.00	-64.65	RMS	28.00	-23.74	1.03	-95.23	25.29	-13.00	-51.65	Horizontal



Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE Band 14 5M Ch23355 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1			dB	dB		
1	1587.00	-68.16	RMS	24.57	-25.19	1.06	-95.23	26.63	-42.15	-26.01	Vertical
2	2380.00	-65.61	RMS	26.70	-24.33	0.91	-95.23	26.34	-13.00	-52.61	Vertical
3	3173.00	-64.57	RMS	28.00	-23.74	1.03	-95.23	25.37	-13.00	-51.57	Vertical

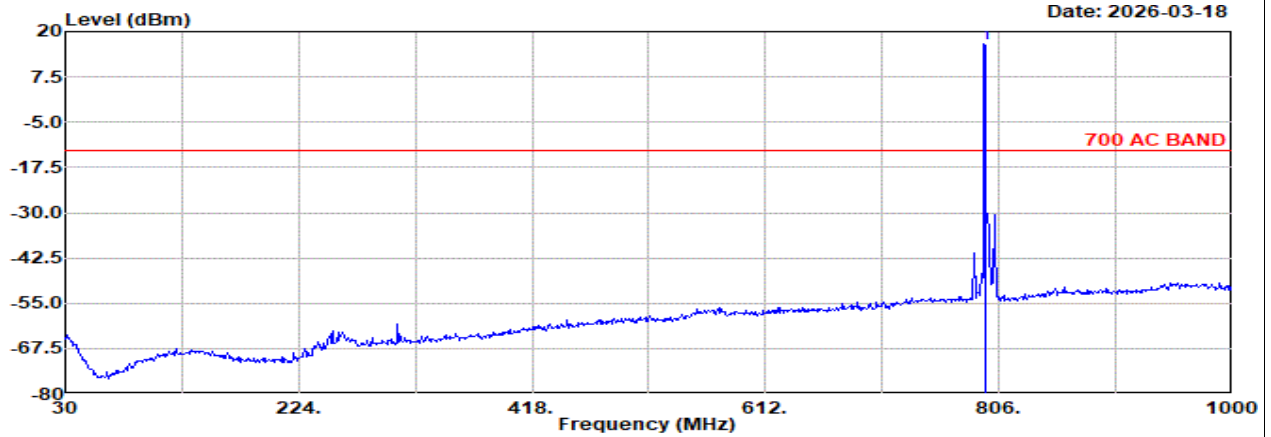


Ant. 5

Part 90R Mode 1

LTE B14 5M Ch23355 1RB0 QPSK

H



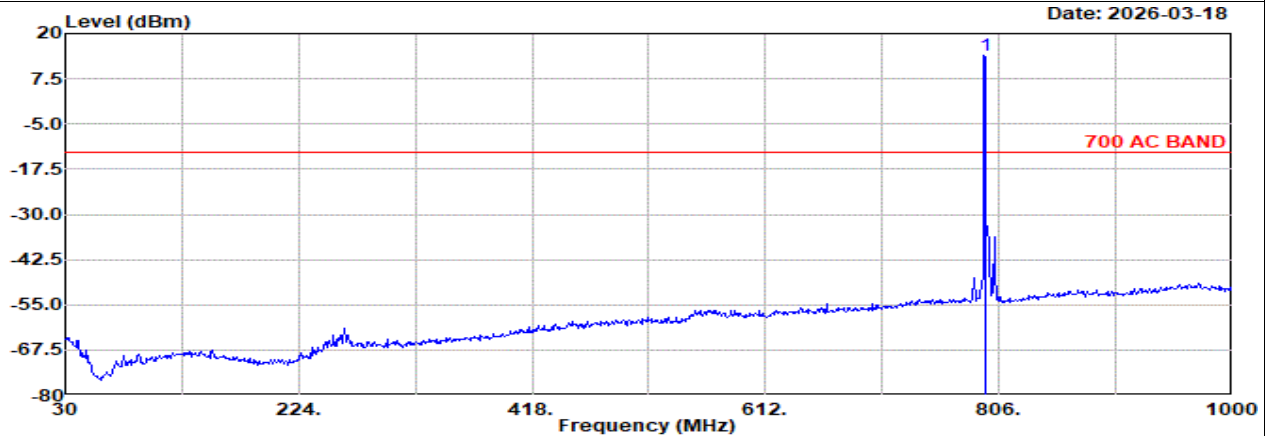
Site : 03CH21-HY

Condition: 700 AC BAND 3m LF_63303&001_251126 Horizontal

: LTE Band 14 5M Ch23355 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	795.00	16.69	RMS	28.33	4.87	0.00	-95.23	78.71	-13.00	29.69	Horizontal



Site : 03CH21-HY

Condition: 700 AC BAND 3m LF_63303&001_251126 Vertical

: LTE Band 14 5M Ch23355 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	795.00	13.83	RMS	28.33	4.87	0.00	-95.23	75.85	-13.00	26.83	Vertical



B2-1. Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	LTE B30	Part 27D	H	6931	-50.12	RMS	35.90	-44.33	0.43	-95.23	53.11	-40.00	-10.12	V	Ant 5

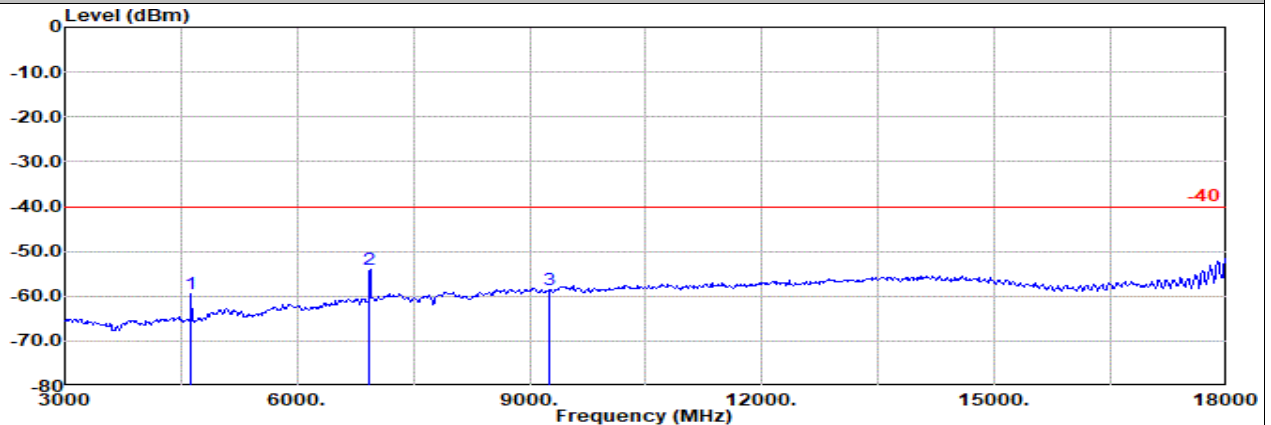


Ant 5

Part 27D Mode 1

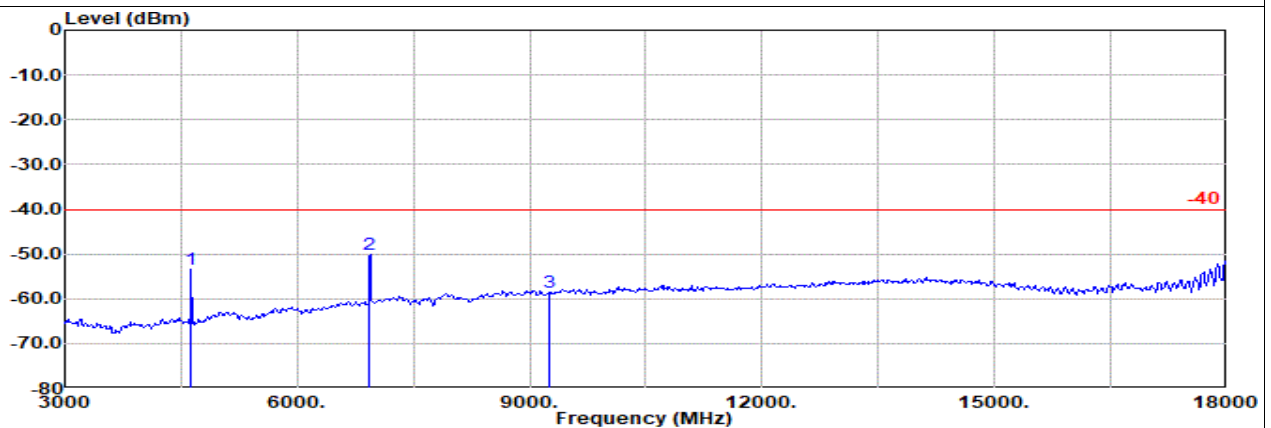
LTE B30 5M Ch27735 1RB0 QPSK

H



Site : 03CH15-HY
Condition: -40 3m 9120D-02294_250606 Horizontal
Mode : LTE Band 30 5M Ch27735 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	4620.00	-59.55	RMS	31.68	-46.77	0.32	-95.23	50.45	-40.00	-19.55	Horizontal		
2	6931.00	-53.92	RMS	35.90	-44.33	0.43	-95.23	49.31	-40.00	-13.92	Horizontal		
3	9241.00	-58.43	RMS	38.18	-42.36	0.40	-95.23	40.58	-40.00	-18.43	Horizontal		



Site : 03CH15-HY
Condition: -40 3m 9120D-02294_250606 Vertical
Mode : LTE Band 30 5M Ch27735 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	4620.00	-53.53	RMS	31.68	-46.77	0.32	-95.23	56.47	-40.00	-13.53	Vertical		
2	6931.00	-50.12	RMS	35.90	-44.33	0.43	-95.23	53.11	-40.00	-10.12	Vertical		
3	9241.00	-58.63	RMS	38.18	-42.36	0.40	-95.23	40.38	-40.00	-18.63	Vertical		