



No.:
FCC2024-0021-RF

TEST REPORT

FCC ID : 2AEQT-DSTBX004

NAME OF SAMPLE : TELEMATICS MODULE TBOX

APPLICANT : Huizhou Desay SV Automotive Co., Ltd.

CLASSIFICATION OF TEST : N/A

CVC Testing Technology Co., Ltd.

Applicant		Name: Huizhou Desay SV Automotive Co., Ltd. Address: No. 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, Guangdong Province, P.R. China	
Manufacturer		Name: Huizhou Desay SV Automotive Co., Ltd. Address: No. 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, Guangdong Province, P.R. China	
Equipment Under Test		Name: TELEMATICS MODULE TBOX Model/Type: SGMW-TBOX-05 Brand: DESAY SV Serial NO.: N/A Sample NO.: 1-1	
Date of Receipt.	2024.05.17	Date of Testing	2024.07.19
Test Specification		Test Result	
FCC 47 CFR Part 2, 22(H), 24(E), 27 ANSI/TIA-603-E ANSI C63.26-2015		PASS	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date: 2024.07.19	
Approved by:  Chen HuaWen Name Signature		Reviewed by:  Xuzhenfei Name Signature	Tested by:  LuWeiJi Name Signature
Other Aspects: NONE.			
Abbreviations: OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

NOTE: 1. This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.
2. This report determines that uncertainty is not taken into account.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2024-0021-RF	Original release	2024.07.19

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications

1.1 GSM850 / 1900

FCC STANDARD SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§22.913(a)(5)	Effective Radiated Power (GSM850)	ERP < 7 Watt	See section 3.2	PASS
§24.232(c)	Equivalent Isotropic Radiated Power (GSM1900)	EIRP < 2Watt		
§2.1049	Occupied Bandwidth	---	/	PASS
§24.232(d)	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	/	PASS
§2.1055 §24.235		Within authorized bands of operation/frequency block.		
§2.1051 §22.917 §24.238(a)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917 §24.238(a)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1053 §22.917 §24.238(a)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.2 WCDMA Band 2 / Band 4 / Band 5

FCC STANDARD SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§22.913(a)(5)	Effective Radiated Power (WCDMA B5)	ERP < 7 Watt	See section 3.2	PASS
§24.232(c)	Equivalent Isotropic Radiated Power (WCDMA B2)	EIRP < 2Watt		
§27.50(d)(4)	Equivalent Isotropic Radiated Power (WCDMA B4)	EIRP < 1Watt		
§2.1049	Occupied Bandwidth	---	/	PASS
§24.232(d)	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	/	PASS
§2.1055 §24.235 §27.54		Within authorized bands of operation/frequency block.		
§2.1051 §22.917 §24.238(a) §27.53(h)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917 §24.238(a) §27.53(h)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1053 §22.917 §24.238(a) §27.53(h)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.3 LTE Band 2

FCC PART SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§24.232(c)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	PASS
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 24.235	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §24.238(a)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §24.238(a)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1053 §24.238(a)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.4 LTE Band 4

FCC PART SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§27.50(d)(4)	Equivalent Isotropic Radiated Power	EIRP < 1Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	PASS
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(h)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §27.53(h)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1053 §27.53(h)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.5 LTE Band 5

FCC PART SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§22.913(a)(5)	Equivalent Radiated Power	ERP < 7Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	PASS
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	/	PASS
§2.1051 §22.917	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1053 §22.917	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.6 LTE Band 7

FCC PART SECTION	TEST TYPE	LIMIT	REPORT SECTION	RESULT
§2.1046	Conducted Power Output	---	See section 3.2	PASS
§27.50(h)(2)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	>1MHz	/	PASS
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(m4)	Band Edge Compliance	For mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least: (i) 40 + 10 log ₁₀ p from the channel edges to 5 MHz away (ii) 43 + 10 log ₁₀ p between 5 MHz and X MHz from the channel edges, and (iii) 55 + 10 log ₁₀ p at X MHz and beyond from the channel edges In addition, the attenuation shall not be less than 43 + 10 log(p) on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log ₁₀ p at or below 2490.5 MHz	/	PASS
§2.1051 §27.53(m4)	Conducted Spurious Emission		/	PASS
§2.1053 §27.53(m4)	Radiates Spurious Emission		See section 3.1	PASS

Note: This mobile terminal has a LTE module (model: AG35-LA). The LTE module have been certified. This report only tests stray Radiation emissions and Conducted Power Output and ERP/EIRP, and other testing items and data will refer to the module report(FCC ID:XMR201905AG35LA).

1.7 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Radiated Emission Test - 3M Chamber				
Equipment listTest Equipment	Type/Mode	Equipment No.	ManuFacterer	Cal. Due
3m Semi-Anechoic Chamber	FACT-4	WKNA-0024	ETS	2024/12/12
Spectrum Analyzer	N9010B	DZ-000174	KEYSIGHT	2025/01/02
EMI Test Receiver	N9038A-508	EM-000397	Agilent	2025/01/13
Broadband Antenna	VULB 9163	EM-000342	SCHWARZBECK	2025/06/07
Waveguide Horn Antenna	HF906	WKNA-0024-8	R&S	2025/01/13
Waveguide Horn Antenna	BBHA9170	DZ-000209-2	SCHWARZBECK	2024/08/05
Preamplifier	BBV 9721	DZ-000209-1	SCHWARZBECK	2025/06/02
Comprehensive tester	CMW500	DZ-000240-2	R&S	2024/12/03
GSM/WCDMA/LTE Test System				
Equipment listTest Equipment	Type/Mode	Equipment No.	ManuFacterer	Cal. Due
Communication Shielded Room 1	4m*3m*3m	VGDS-0699	CRT	2027/03/28
Spectrum Analyzer	FSV30	DZ-000235	R&S	2024/12/03
Comprehensive Test Instrument	CMW500	DZ-000342	R&S	2024/12/03
Analog Signal Generator	SMA100B	DZ-000239-2	R&S	2024/08/17
Vector Signal Generator	SMBV100B	DZ-000239-1	R&S	2025/04/27
Programmable DC Power Supply	E3642A	DZ-000242-2	KEYSIGHT	2024/08/03

1. The calibration interval of the above Shielding room, Anechoic chamber and Control room is 36 months.
2. The calibration interval of the above test instruments is 12 months.

Radiated Emission test software		
Software name	Software version	Software Developer
JS36-RSE Radiation stray test system	2.5.1.2	Shenzhen JS tonskend co.,ltd
GSM/WCDMA/LTE test software		
Software name	Software version	Software Developer
JS1120 RF Auto Test System	3.1.46	Shenzhen JS tonskend co.,ltd

2 GENERAL INFORMATION

The product main model of this application is SGMW-TBOX-05 and the family model is SGMW-TBOX-07. We hereby request Family Certification for the above mentioned Models based on them being electrically identical. The difference are as following:

SGMW-TBOX-05 and SGMW-TBOX-07 are identical to each other except for the different type of eSIM card. All the tests carried out on model SGMW-TBOX-05.

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	TELEMATICS MODULE TBOX		
BRAND	DESAY SV		
MODEL	SGMW-TBOX-05		
ADDITIONAL MODEL	SGMW-TBOX-07		
FCC ID	2AEQT-DSTBX004		
POWER SUPPLY	DC12V 0.6A		
MODULATION TYPE	GSM		GMSK (GSM/GPRS),8PSK (EDGE)
	WCDMA		QPSK, 16QAM
	LTE	UL	QPSK, 16QAM
		DL	QPSK, 16QAM, 64QAM
GSM BAND	850 / 1900		
WCDMA BAND	B2 / B4 / B5		
LTE BAND	B2 / B4 / B5 / B7		
OPERATING FREQUENCY	See section 2.3		
MAXIMUM OUTPUT POWER	See section 2.3		
ANTENNA TYPE AND GAIN (Remark 4/5)	See section 2.2		
HARDWARE VERSION:	HW003		
SOFTWARE VERSION:	DSW03.00		
I/O PORTS	Refer to user’s manual		
Remark:			
1. For more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.			
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.			
3. Please refer to the EUT photo document (Reference No.: FCC2024-0021-EUT) for detailed product photo.			
4. Please refer to the antenna report.			
5. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.			

2.2 ANTENNA TYPE AND GAIN

Mode	Band	Antenna Type		Antenna Gain(dBi)	
		Main	Diversity	Main	Diversity
GSM	GSM850	External Antenna	External Antenna	-2.24	-2.24
	GSM1900	External Antenna	External Antenna	0.45	0.45
WCDMA	WCDMA B2	External Antenna	External Antenna	0.45	0.45
	WCDMA B4	External Antenna	External Antenna	1.02	1.02
	WCDMA B5	External Antenna	External Antenna	-2.24	-2.24
LTE	LTE B2	External Antenna	External Antenna	0.45	0.45
	LTE B4	External Antenna	External Antenna	1.02	1.02
	LTE B5	External Antenna	External Antenna	-2.24	-2.24
	LTE B7	External Antenna	External Antenna	1.72	1.72

2.3 OPERATING FREQUENCY AND MAX CONDUTED POWER

Mode	Band	TX(MHz)	RX(MHz)	Maximum Output Power (dBm)
GSM	GSM850	824 ~ 849	869 ~ 894	32.20
	GSM1900	1850 ~ 1910	1930 ~ 1990	29.75
WCDMA	WCDMA B2	1850 ~ 1910	1930 ~ 1990	23.01
	WCDMA B4	1710 ~ 1755	2110 ~ 2155	22.92
	WCDMA B5	824 ~ 849	869 ~ 894	22.89
LTE	LTE B2	1850 ~ 1910	1930 ~ 1990	23.44
	LTE B4	1710 ~ 1755	2110 ~ 2155	23.44
	LTE B5	824 ~ 849	869 ~ 894	23.33
	LTE B7	2500 ~ 2570	2620 ~ 2690	23.25

2.4 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.

EUT CONFIGURE MODE	DESCRIPTION
-	EUT with GSM or WCDMA or LTE link

Test modes are chosen as the worst case configuration below for GSM

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
RF power output	128 to 251	128, 189, 251	GSM850
	512 to 810	512, 611, 810	GSM1900
Effective Radiated Power	128 to 251	128, 189, 251	GSM850
Equivalent Isotropic Radiated Power	512 to 810	512, 611, 810	GSM1900
Radiates Spurious Emission	128 to 251	128, 189, 251	GSM850
	512 to 810	512, 611, 810	GSM1900

Test modes are chosen as the worst case configuration below for WCDMA

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
RF power output	9262 to 9538	9262, 9400, 9538	WCDMA Band 2
	1312 to 1513	1312, 1413, 1513	WCDMA Band 4
	4132 to 4233	4132, 4182, 4233	WCDMA Band 5
Equivalent Isotropic Radiated Power	9262 to 9538	9262, 9400, 9538	WCDMA Band 2
	1312 to 1513	1312, 1413, 1513	WCDMA Band 4
Effective Radiated Power	4132 to 4233	4132, 4182, 4233	WCDMA Band 5
Radiates Spurious Emission	9262 to 9538	9262, 9400, 9538	WCDMA Band 2
	1312 to 1513	1312, 1413, 1513	WCDMA Band 4
	4132 to 4233	4132, 4182, 4233	WCDMA Band 5

Test modes are chosen as the worst case configuration below for LTE

Test items	LTE	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1%	50%	100%	L	M	H
RF power output	2	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
ERP/ EIRP	2	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
Radiates Spurious Emission (Note3)	2	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	5	O	O	O	O	-	-	O	-	O	-	-	O	O	O
	7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing. 3. Only the worst case was shown in test report														

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RF power output	24.6deg. C, 53%RH	DC 12V	Chen Jiaxin
Effective Radiated Power	24.6deg. C, 53%RH	DC 12V	Chen Jiaxin
Equivalent Isotropic Radiated Power	24.6deg. C, 53%RH	DC 12V	Chen Jiaxin
Radiates Spurious Emission	24.6deg. C, 53%RH	DC 12V	Chen Jiaxin

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC 47 CFR PART 2

FCC 47 CFR PART 22

FCC 47 CFR PART 24

FCC 47 CFR PART 27

KDB 971168 D01 POWER MEAS LICENSE DIGITAL SYSTEMS V03R01

ANSI/TIA-603-E

ANSI C63.26-2015

ANSI C63.4-2014

Note: All test items have been performed and recorded as per the above standards

2.6 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
1	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2.7 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	Item	Measurement Uncertainty
1	Occupied Channel Bandwidth	± 1.86 %
2	RF output power, conducted	± 0.651 dB
3	Power Spectral Density, conducted	± 0.8 dB
4	Conducted emission test	± 1.427 dB
5	Radiated emission	± 2.1618 dB
6	Temperature	± 0.73 °C
7	Humidity	± 3.90 %
8	Supply voltages	± 0.37 %
9	Time	± 0.27 %
Remark: 95% Confidence Levels, $k=2$.		

2.8 TEST LOCATION

The tests and measurements refer to this report were performed by RF testing Lab. of CVC Testing Technology Co., Ltd.

Add.: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, Guangdong, 510663, People's Republic of China

Telephone : +86-20-32293888

Fax : +86-20-32293889

FCC(Test firm designation number : CN1282)

IC(Test firm CAB identifier number : CN0103)

3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION MEASUREMENT

3.1.1 TEST PROCEDURES

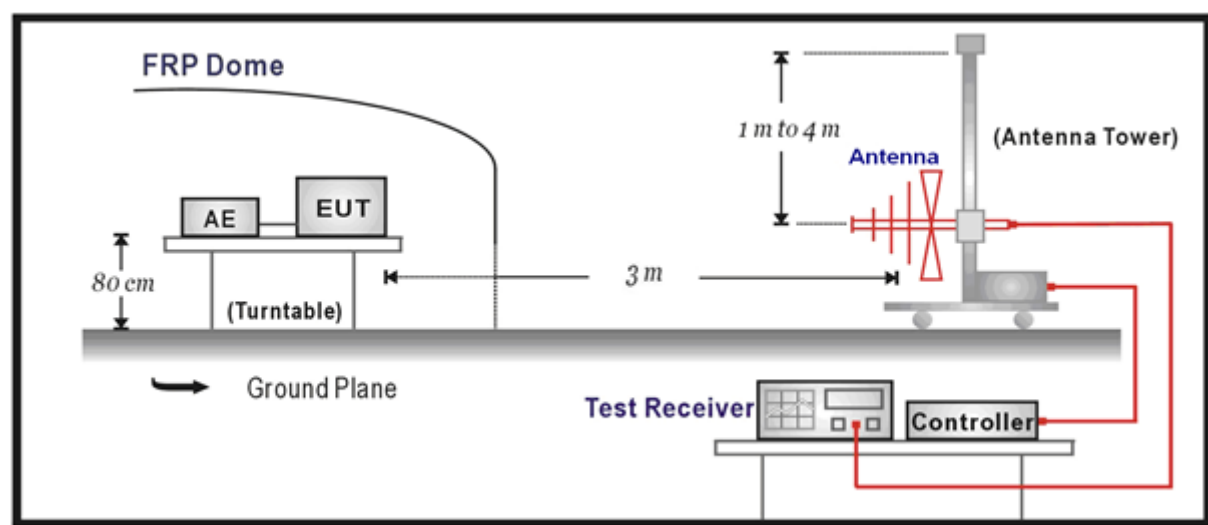
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G
- c. $EIRP(dBm) = S.G.POWER - TX \text{ cable loss} + Antenna \text{ gain}.$
- d. $E.R.P(dBm) = E.I.P.R - 2.15dBi.$

NOTE:

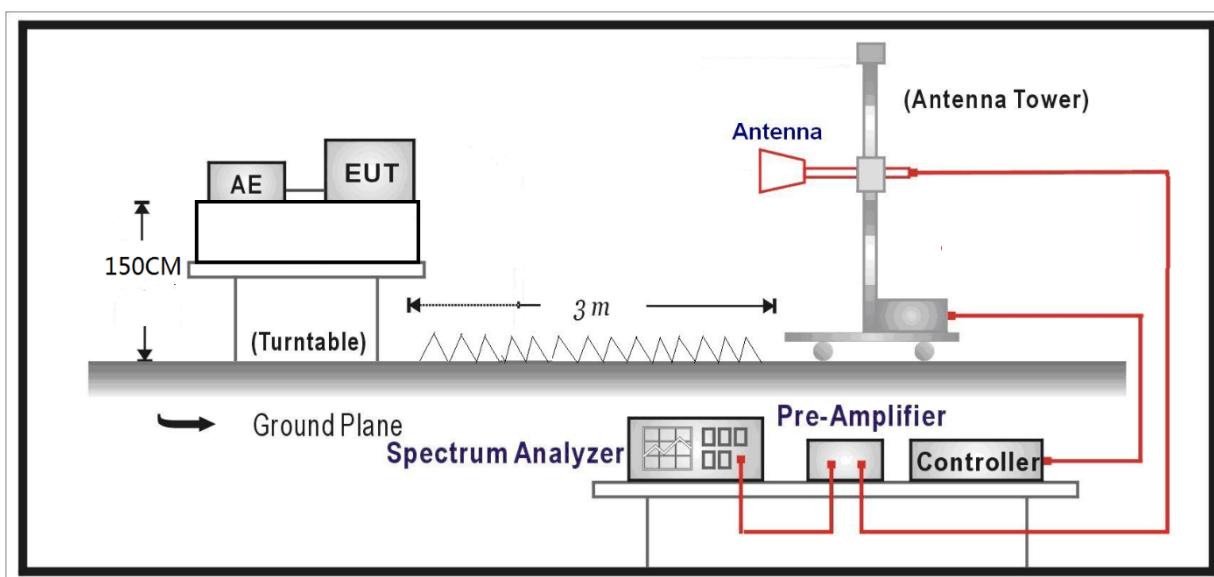
- 1.The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
- 2.Only the worst case was shown in test report

3.1.2 TEST SETUP

Below 1GHz Test Setup:



Above 1GHz Test Setup:



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.3 TEST RESULTS

THE WORST CASE DATA

Test Mode	GSM850	Channel	CH 189
-----------	--------	---------	--------

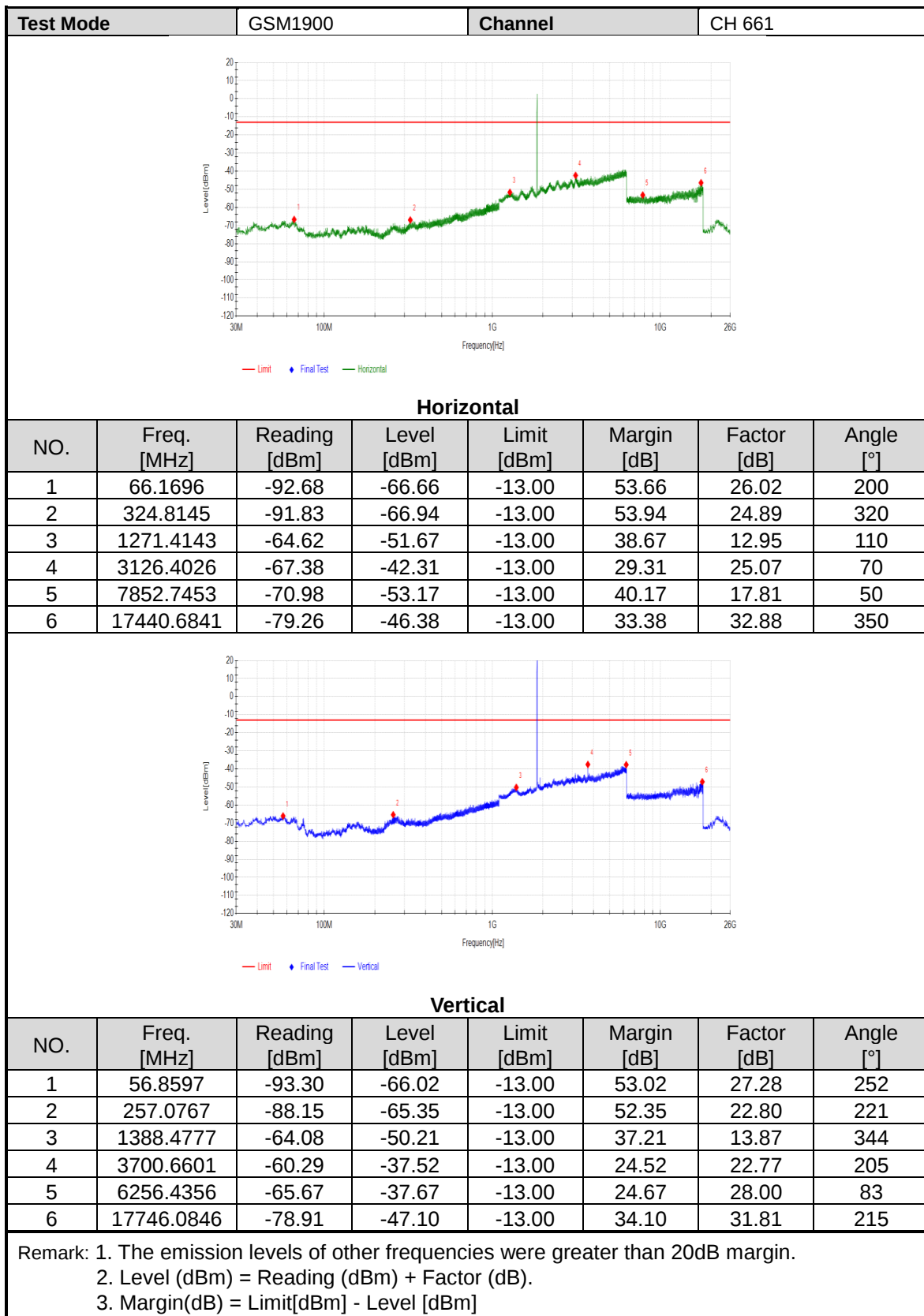
Horizontal

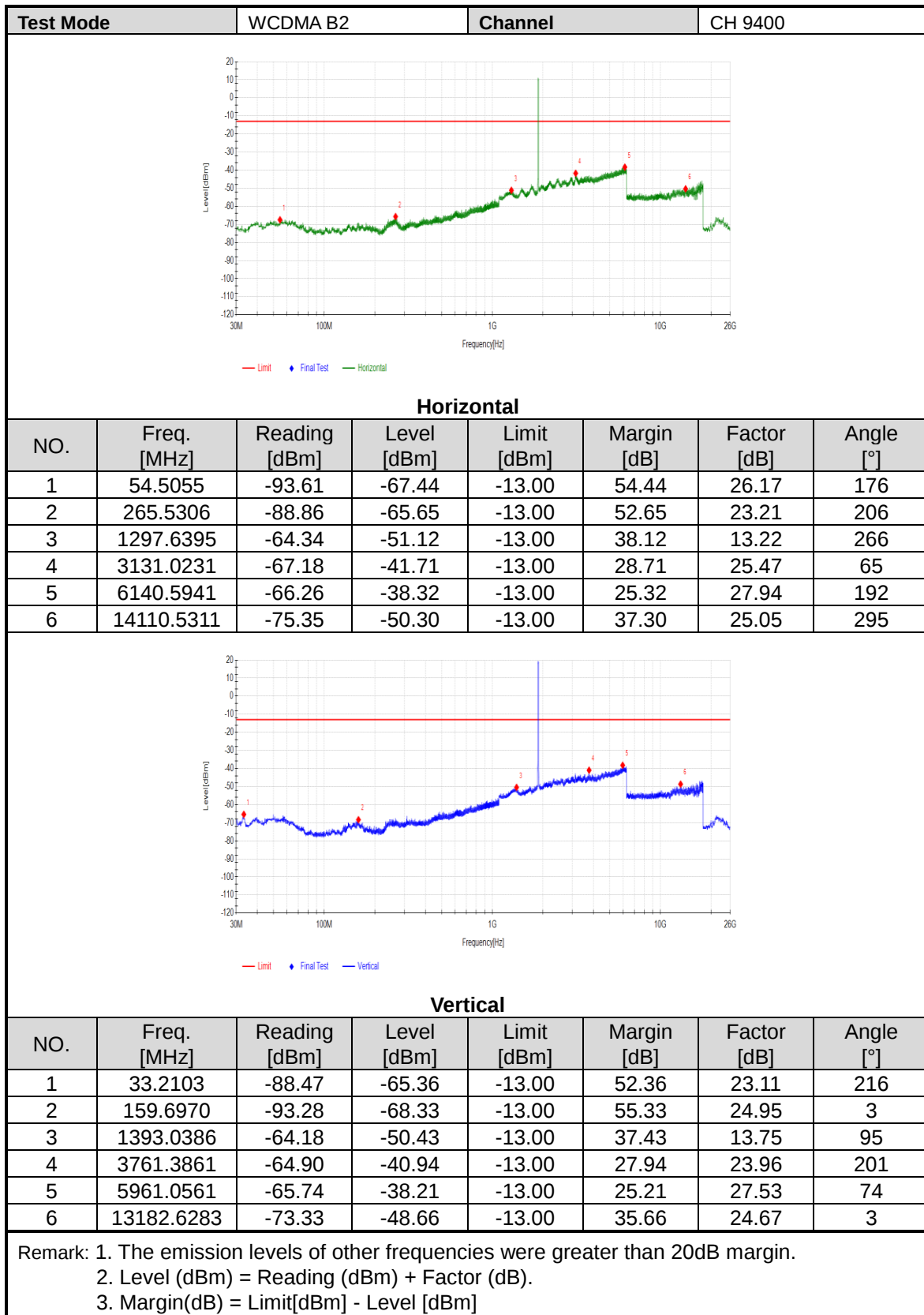
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	66.0626	-91.61	-65.55	-13.00	52.55	26.06	202
2	261.3571	-89.41	-66.19	-13.00	53.19	23.22	202
3	1648.4497	-53.36	-40.67	-13.00	27.67	12.69	48
4	2472.8346	-59.40	-40.01	-13.00	27.01	19.39	233
5	7301.6202	-70.85	-52.72	-13.00	39.72	18.13	233
6	17352.9253	-78.96	-45.76	-13.00	32.76	33.20	296

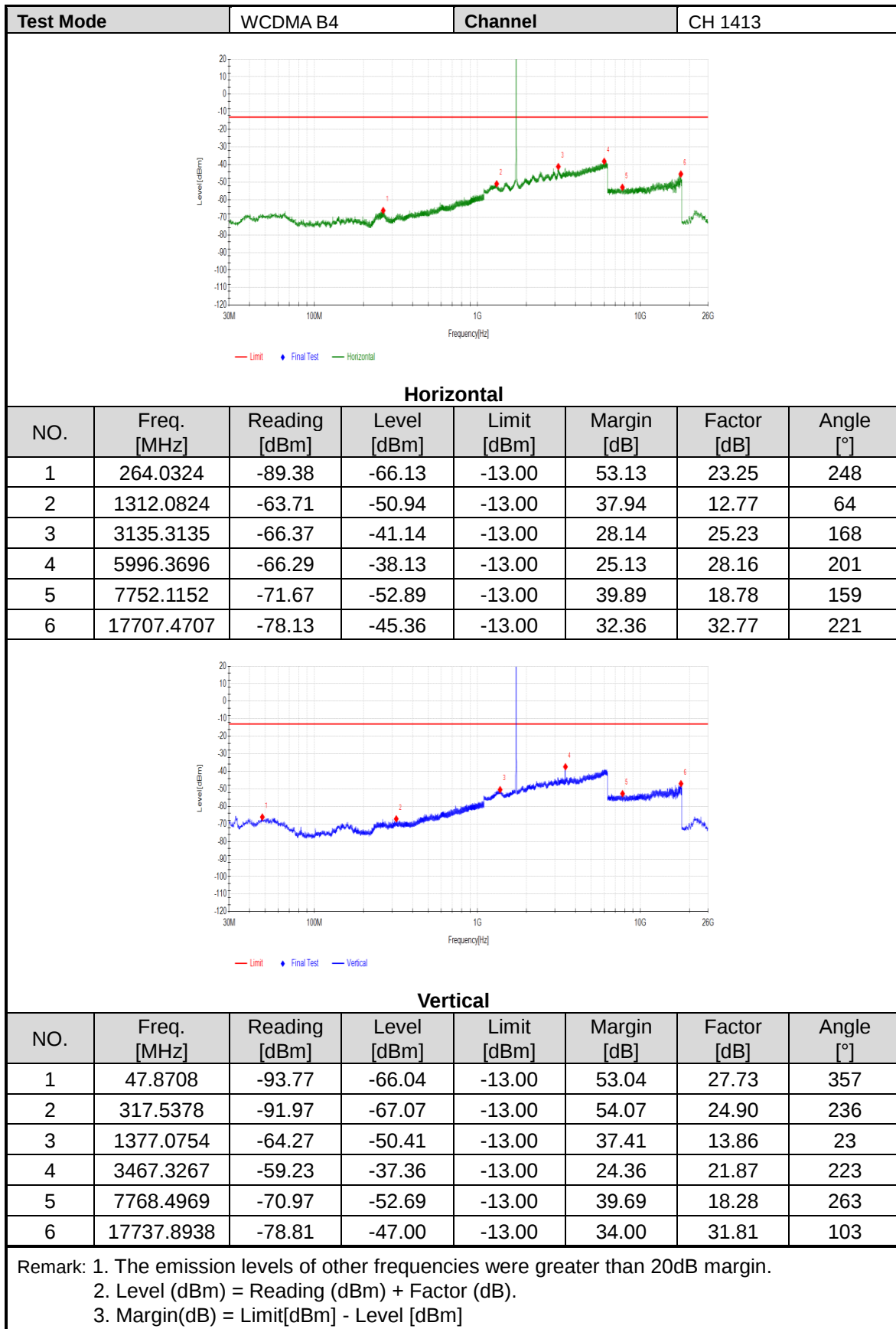
Vertical

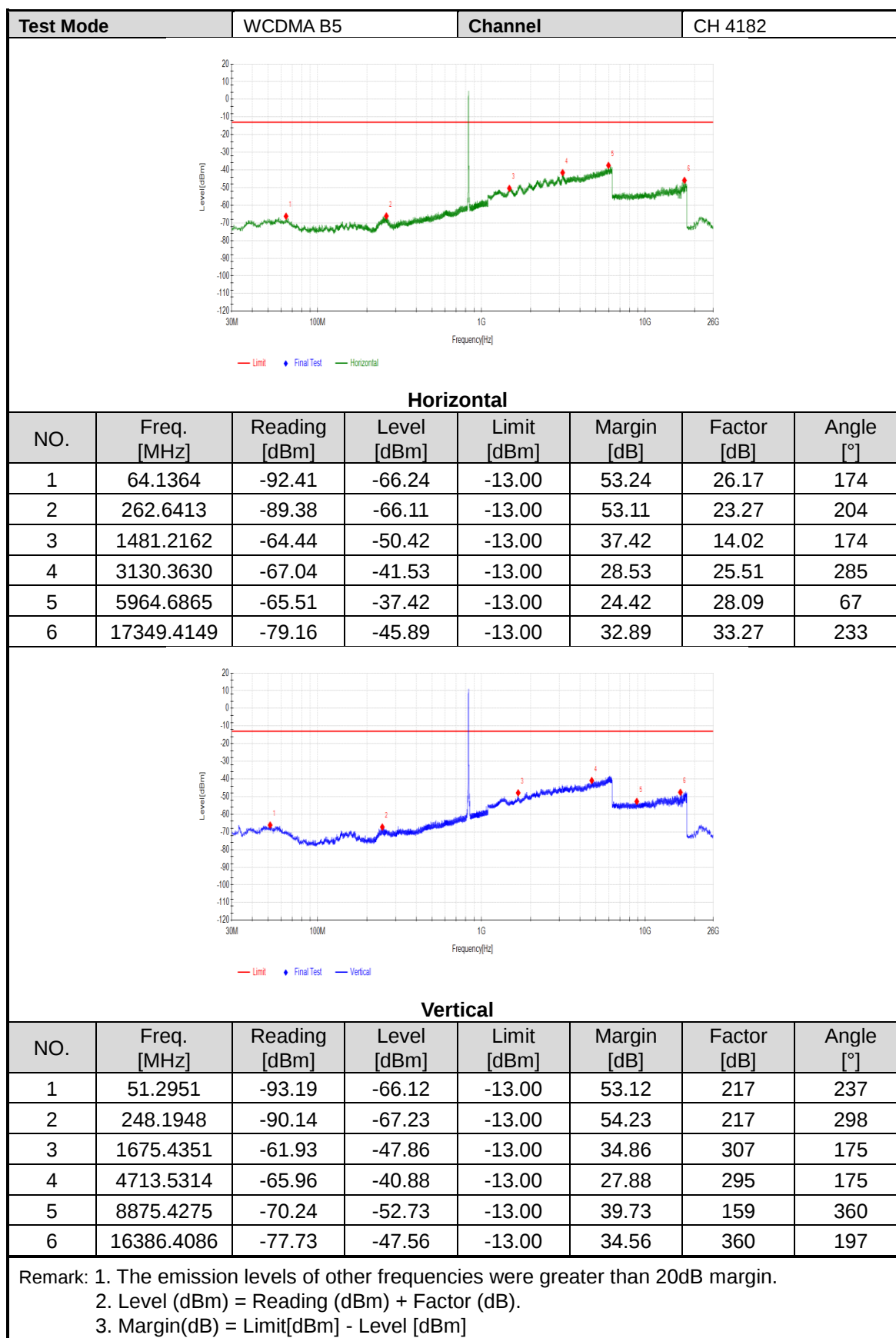
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	44.5535	-91.55	-65.86	-13.00	52.86	25.69	204
2	268.0988	-91.18	-67.82	-13.00	54.82	23.36	204
3	1648.4497	-57.07	-43.50	-13.00	30.50	13.57	264
4	3122.1122	-66.64	-43.31	-13.00	30.31	23.33	221
5	6101.6502	-66.12	-37.97	-13.00	24.97	28.15	96
6	17137.6238	-78.91	-47.55	-13.00	34.55	31.36	170

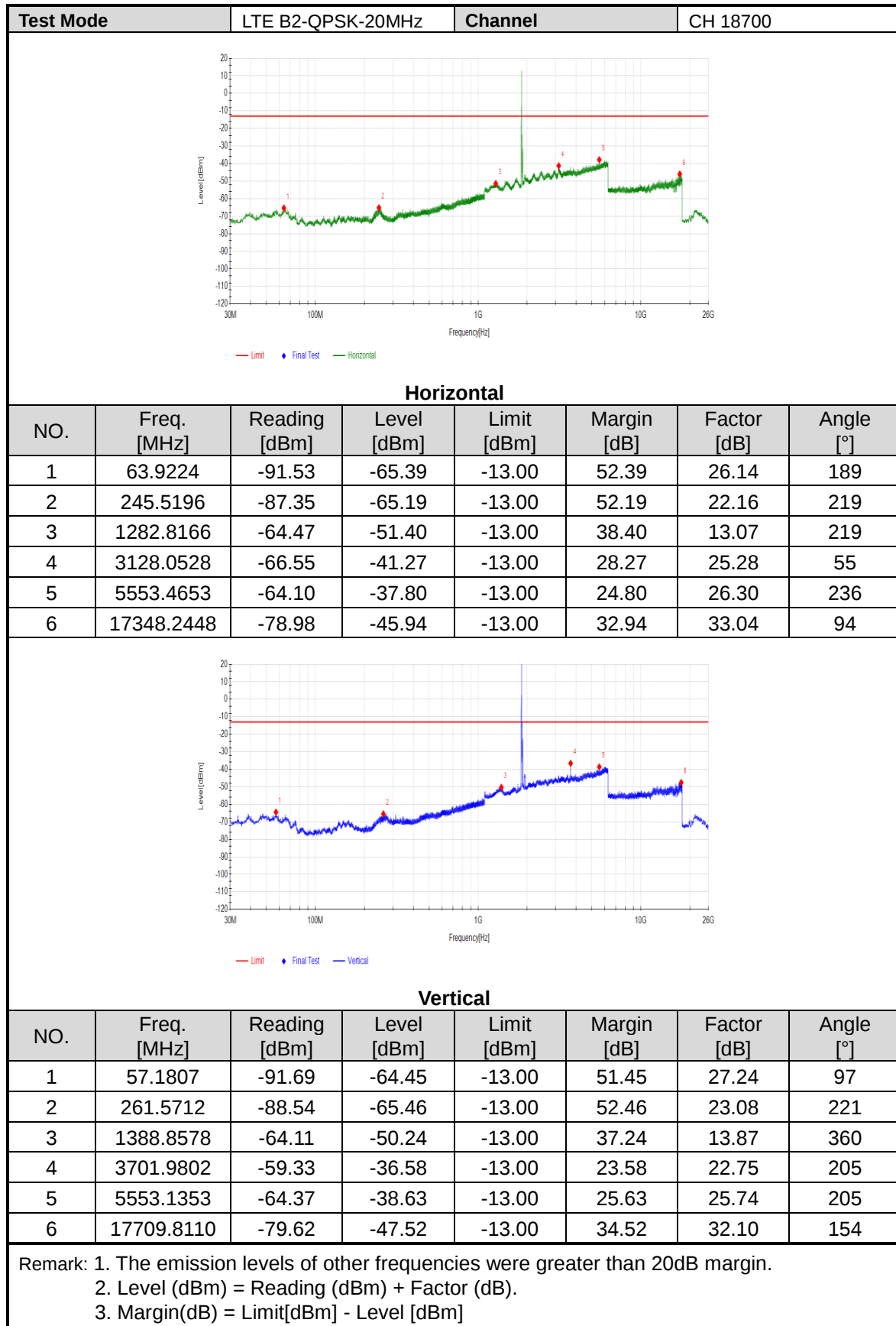
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBm) = Reading (dBm) + Factor (dB).
3. Margin(dB) = Limit[dBm] - Level [dBm]

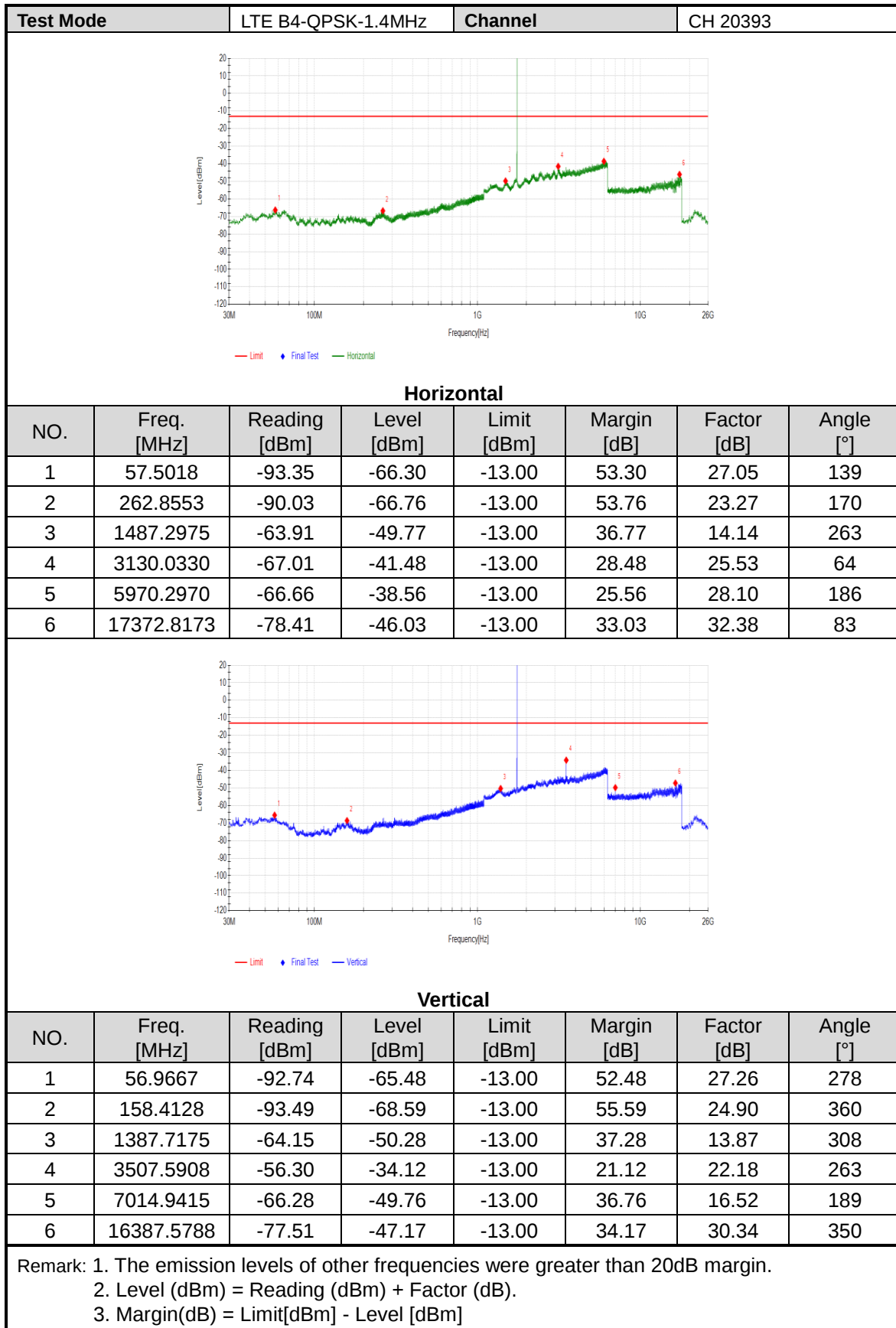


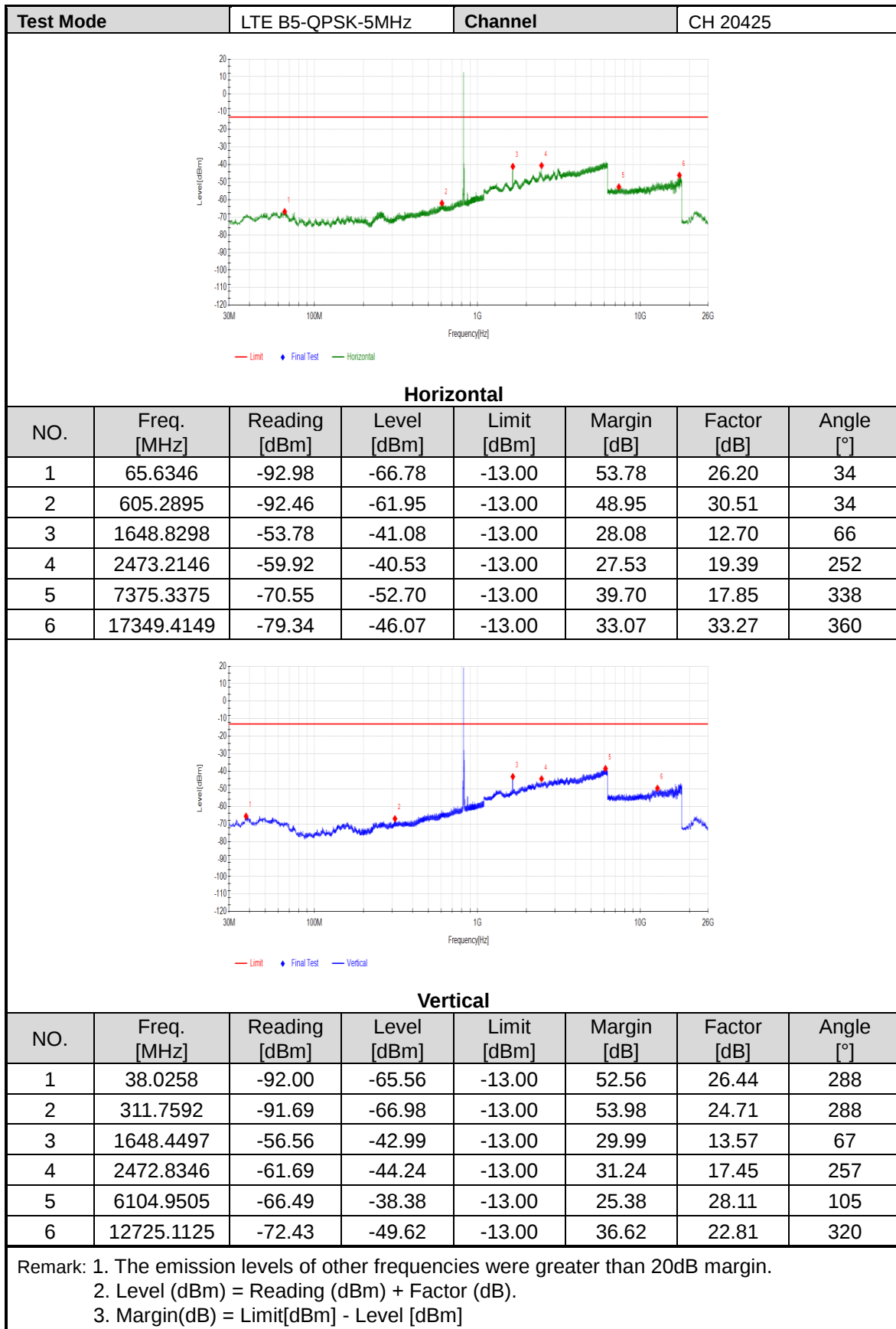


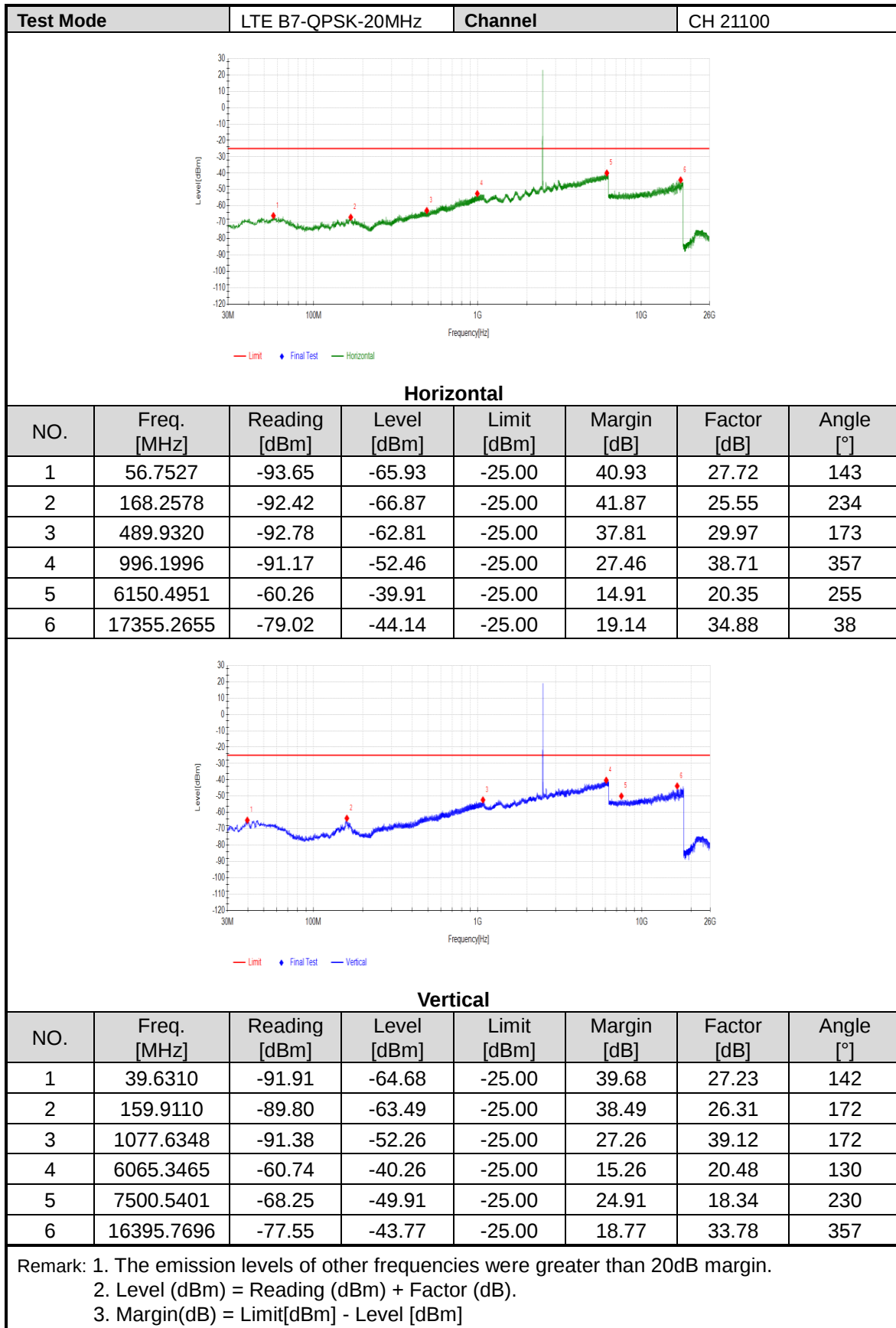












3.2 Out power Measurement

3.2.1 TEST PROCEDURES

Subclause 5.6 of Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15\text{dBi}$, where

PT = transmitter output power dBm;

GT = gain of the transmitting antenna dBi;

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

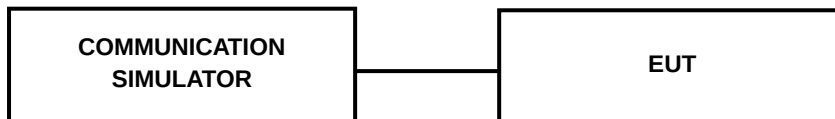
Conducted Power Measurement:

The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.2.2 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.2.3 TEST RESULTS

ERP Power(*Unit: Watts)	
Band	GSM 850
GT(dBi)	-2.24
LC(dB)	0.5
Tx slot	1
Channel	189
Conducted Power(dBm)	32.20
Conducted Power(Watts)	1.660
ERP (dBm)	27.31
ERP (Watts)	0.538

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	GSM 1900
GT(dBi)	0.45
LC(dB)	0.5
Tx slot	1
Channel	661
Conducted Power(dBm)	29.75
Conducted Power(Watts)	0.944
EIRP (dBm)	29.70
EIRP (Watts)	0.933

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	WCDMA 2
GT(dBi)	0.45
LC(dB)	0.5
Channel	9262
Conducted Power(dBm)	23.01
Conducted Power(Watts)	0.200
EIRP (dBm)	22.96
EIRP (Watts)	0.198

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	WCDMA Band 4
GT(dBi)	1.02
LC(dB)	0.5
Channel	1513
Conducted Power(dBm)	22.92
Conducted Power(Watts)	0.196
EIRP (dBm)	23.44
EIRP (Watts)	0.221

Note: 1.The verification power result is passed.
2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	WCDMA Band 5
GT(dBi)	-2.24
LC(dB)	0.5
Channel	4233
Conducted Power(dBm)	22.89
Conducted Power(Watts)	0.195
ERP (dBm)	18.00
ERP (Watts)	0.063

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 2
GT(dBi)	0.45
LC(dB)	0.5
BW(MHz)	20
RB	1#49
Mod	QPSK
Channel	MID
Conducted Power(dBm)	23.44
Conducted Power(Watts)	0.221
EIRP (dBm)	23.39
EIRP (Watts)	0.218

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 4
GT(dBi)	1.02
LC(dB)	0.5
BW(MHz)	10
RB	1#25
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.44
Conducted Power(Watts)	0.221
EIRP (dBm)	23.96
EIRP (Watts)	0.249

Note: 1.The verification power result is passed.
2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	LTE Band 5
GT(dBi)	-2.24
LC(dB)	0.5
BW(MHz)	10
RB	1#49
MOD	QPSK
Channel	Mid
Conducted Power(dBm)	23.33
Conducted Power(Watts)	0.215
ERP (dBm)	20.59
ERP (Watts)	0.115

Note: 1.The verification power result is passed.
2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 7
GT(dBi)	1.72
LC(dB)	0.5
BW(MHz)	20
RB	1#0
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.25
Conducted Power(Watts)	0.211
EIRP (dBm)	24.47
EIRP (Watts)	0.280

Note: 1.The verification power result is passed.

2.Only display the maximum value.

4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

----- End of the Report -----

Important

1. The test report is invalid without the official stamp of CVC;
2. Any part photocopies of the test report are forbidden without the written permission from CVC;
3. The test report is invalid without the signatures of Author and Reviewer;
4. The test report is invalid if altered;
5. Objections to the test report must be submitted to CVC within 15 days;
6. Generally, commission test is responsible for the tested samples only;
7. As for the test result, “—” or “N/A” means “not applicable”, “/” means “not testing”, “P” means “pass” and “F” means “fail”.

The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.

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