TEST REPORT

No.I22Z60641-EMC01

for

Hytera Communications Corporation Limited

PoC mobile radio

Model Name：MNC360

With

Hardware Version: V1.0.01.000.01

Software Version:V1.0.06.000.01

FCC ID:YAMMNC360

Issued Date: 2022-05-10

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z60641-EMC01	Rev.0	1st edition	2022-05-10

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	PoC mobile radio
Model Name	MNC360
Applicant's name	Hytera Communications Corporation Limited
Manufacturer's Name	Hytera Communications Corporation Limited

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2020 Edition); ANSI C63.4-2014.

1.3. Test Result

Total test 1 items, pass 1 items. Please refer to "6.2 Test Results".

1.4. Testing Location

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, P. R. China 100176

1.5. Project data

Testing Start Date: 2022-04-28 Testing End Date: 2022-05-05

1.6. Signature

Zhang Ying

(Prepared this test report)

An Hui

(Reviewed this test report)

Zhang Xia

(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	Hytera Communications Corporation Limited
Address:	Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057
Contact	Ruifen.Huang
Email	Ruifen.Huang@hytera.com
Tel.	18925250460

2.2. Manufacturer Information

Company Name:	Hytera Communications Corporation Limited
Address:	Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057
Contact	Ruifen.Huang
Email	Ruifen.Huang@hytera.com
Tel.	18925250460

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)

3.1. About EUT

Description	PoC mobile radio
Model Name	MNC360
FCC ID	YAMMNC360
Condition of EUT as received	No obvious damage in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Receive Date
UT10aa	358946220000485	V1.0.01.000.01	V1.0.01.000.01	2022-03-28

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description
AE1	GPS Antenna
AE2	2G/3G/4G Antenna
AE3	DC power supply
AE4	Hand microphone
AE5	Date Cable

AE1

Model	DAMA1575AT41
Manufacturer	ZHANGJIAGANG FREE TRADE ZONE CAIQIN TECHNOLOGY CO.,LTD.

AE2

Model	AN1700W01
Manufacturer	/

AE3

Model	ZUP60-14
Manufacturer	/

AE4

Model	SM16A1
Manufacturer	Hytera Communications Corporation Limited

AE5

Model	/
Manufacturer	/

* AE ID: is used to identify the test sample in the lab internally.

AE: ancillary equipment

AE3/AE5: Just for testing.

3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT+AE1+AE2+AE3+AE4	
Set.2	EUT+AE1+AE2+AE3+AE4+AE5+PC	

3.5. General Description

The Equipment Under Test (EUT) is a model of PoC mobile radio.
It supports GSM 850/900/1800/1900MHz,WCDMA Bands 1/2/4/5/8 and
LTE Bands 1/2/3/4/5/7/8/12/13/17/20/26/28/38/39/40/41.
It has Video Player, USB memory, Bluetooth, Wi-Fi and GNSS functions.
It consists of normal options: Palm microphone, GPS Antenna and 2G/3G/4G Antenna.
EUT is powered by 13.6V DC source.
Manual and specifications of the EUT were provided to fulfill the test.
Samples (EUT+AE) undergoing test were selected by the Client. Relevant information is provided by the client.

4. REFERENCE DOCUMENTS

4.1. Reference Documents for Testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices	(10-1-2020 Edition)
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. LABORATORY ENVIRONMENT

Semi/Full-anechoic chamber did not exceed following limits along the EMC testing:
9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 ℃, Max. = 35℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Normalised site attenuation (NSA)	<±4 dB, 3 m distance, from 30 to 1000 MHz
Voltage Standing Wave Ratio（VSWR）	≤ 6 dB, from 1 to 18GHz，3 m distance

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

Normal Temperature: 15~35℃

Relative Humidity: 20~75%

Atmospheric pressure 86~106kPa

6.2. Summary of Measurement Results

Abbreviations used in this clause:	
P	Pass
NA	Not applicable
F	Fail

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	/	Not applicable

Note: As FCC Part 15, Subpart B, conducted Emission is not required for equipment which is powered by DC source.

6.3. Statement

6.3.1 Statements of conformity

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

7. MEASUREMENT UNCERTAINTY

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	5.73dB(*k*=2)
	1GHz-18GHz	5.58dB(*k*=2)
	18GHz-40GHz	3.37dB(*k*=2)

8. MEASURING APPARATUS UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	Test Receiver	ESU26	100376	R&S	2022-09-15	1 year
2.	BiLog Antenna	VULB 9163	01176	SCHWARZBECK	2022-11-15	1 year
3.	Horn Antenna	3117	00139065	ETS-Lindgren	2022-09-13	1 year
4.	Software	EMC32	V8.53.0	R&S	/	/
5.	Universal Radio Communication Tester	CMW500	159408	R&S	2023-04-01	1 year

9. TEST ACCESSORY UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	P1008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator at a distance of 3 meters or 1 meter is tested. Tested in accordance with the procedures of ANSI C63.4 -2014, section 8.3. The EUT was placed on a non-conductive table. Below 18GHz the measurement antenna was placed at a distance of 3 meters from the EUT. Above 18GHz the measurement antenna was placed at a distance of 1 meters from the EUT. (According to Part 15.31(f)(1), 1m limit is calculated by extrapolation factor of 20 dB/decade) During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

Data Transfer: The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The EUT is connected to a PC for transmitting data. The software is used to let the PC keep on copying data to EUT or TF Card, reading and erasing the data after copy action was finished.

GSM receiver: The EUT is connected to a charger for charging. The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

WCDMA receiver: The EUT is connected to a charger for charging. The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

LTE receiver: The EUT is connected to a charger for charging. The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

This device contains the receivers which tune and operate between 30MHz-960MHz in the following bands:

GSM850MHz, WCDMA Band5, LTE Band 5,LTE Band 12, LTE Band 13 ,LTE Band 17 and LTE Band 26.

The EUT was tested while operating in licensed band receiver mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 3.1, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Limit from Part 15.109(a)

Frequency range (MHz)	Field strength limit (μV/m)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

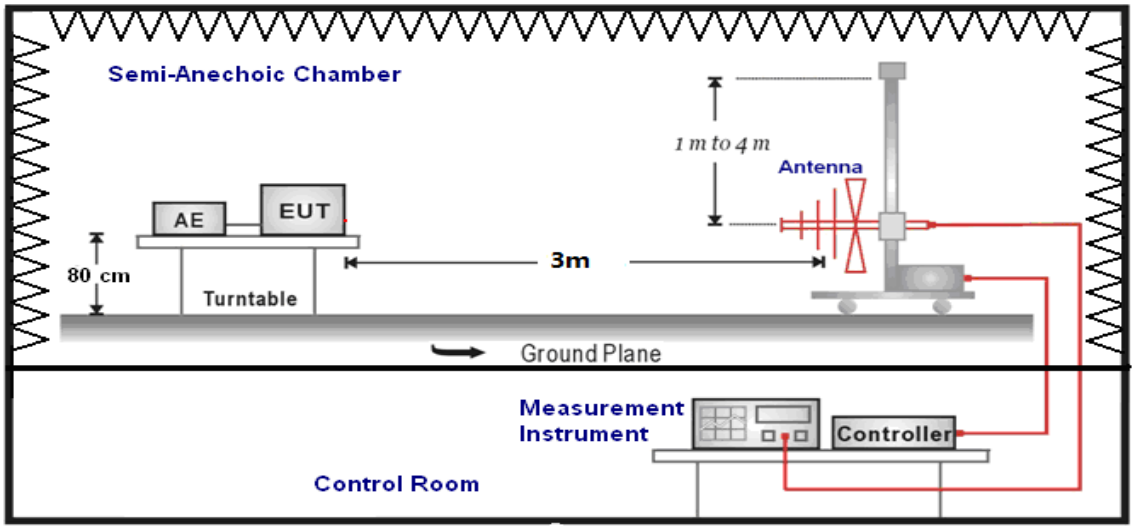
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test power supply

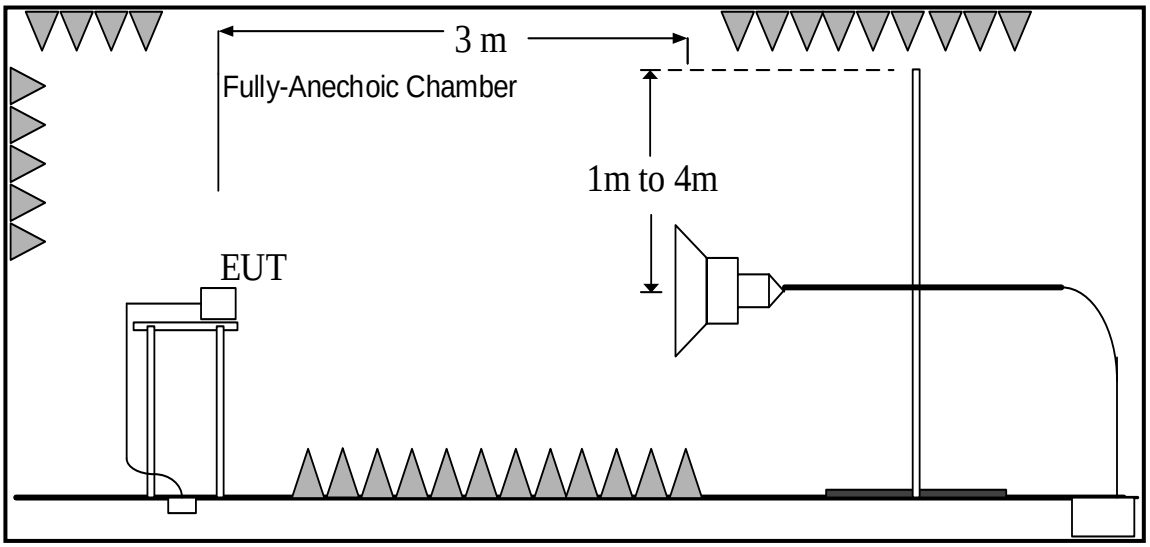
Power	Voltage（V）
DC	13.6

A.1.6 Test set-up:

30MHz-1GHz



1GHz-18GHz



A.1.7 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”. It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

Result=P_{Mea}+A_{Rpl} = P_{Mea} +G_A+G_{PL}

Where

G_A: Antenna factor of receive antenna

G_{PL}:PathLoss

P_{Mea}: Measurement result on receiver.

Result:Quasi-Peak(dBμV/m) /Average(dBμV/m)/Peak(dBμV/m)

Note: the result contains vertical part and Horizontal part

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.1.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.2.	P

GSM receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.3.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.4.	P

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.5.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.6.	P

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.7.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.8.	P

LTE receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.9.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.10.	P

LTE receiver Band 13

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.11.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.12.	P

LTE receiver Band 17

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.13.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.14.	P

LTE receiver Band 26

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.15.	P
88-216	43.50		
216-230	46.00		
216-960	47.00		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.16.	P

Data Transfer

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.17.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT10aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.18.	P

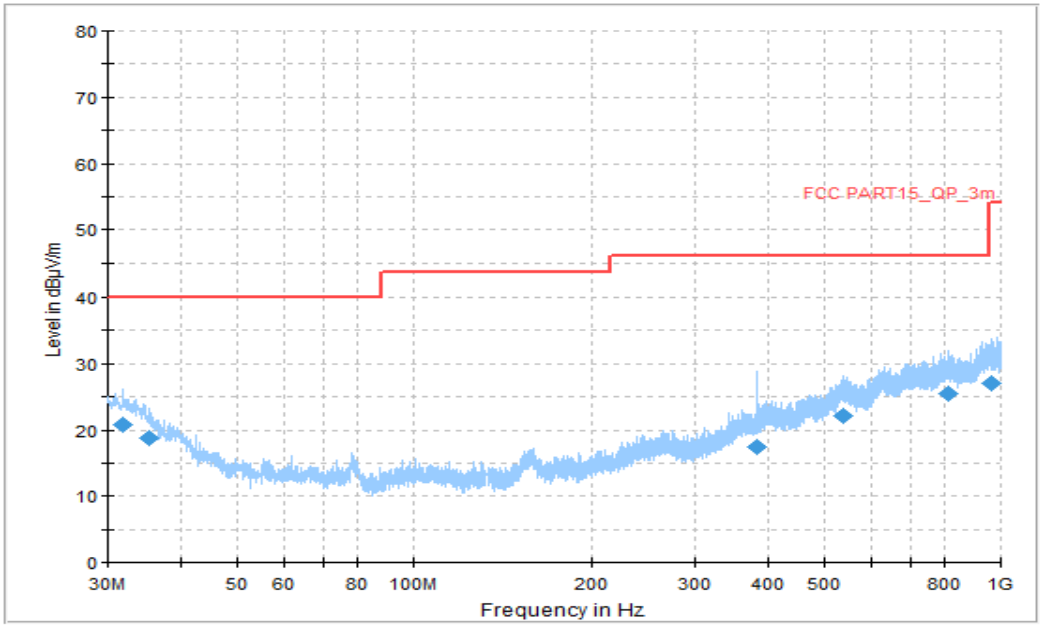


Figure A.1.1. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
31.832222	20.86	40.00	19.14	H	-14	34.86
35.281111	18.81	40.00	21.19	V	-16	34.81
383.996111	17.34	46.02	28.68	H	-10	27.34
537.687222	22.12	46.02	23.90	V	-4	26.12
812.035556	25.43	46.02	20.59	V	-1	26.43
960.230000	26.94	53.98	27.04	V	1	25.94

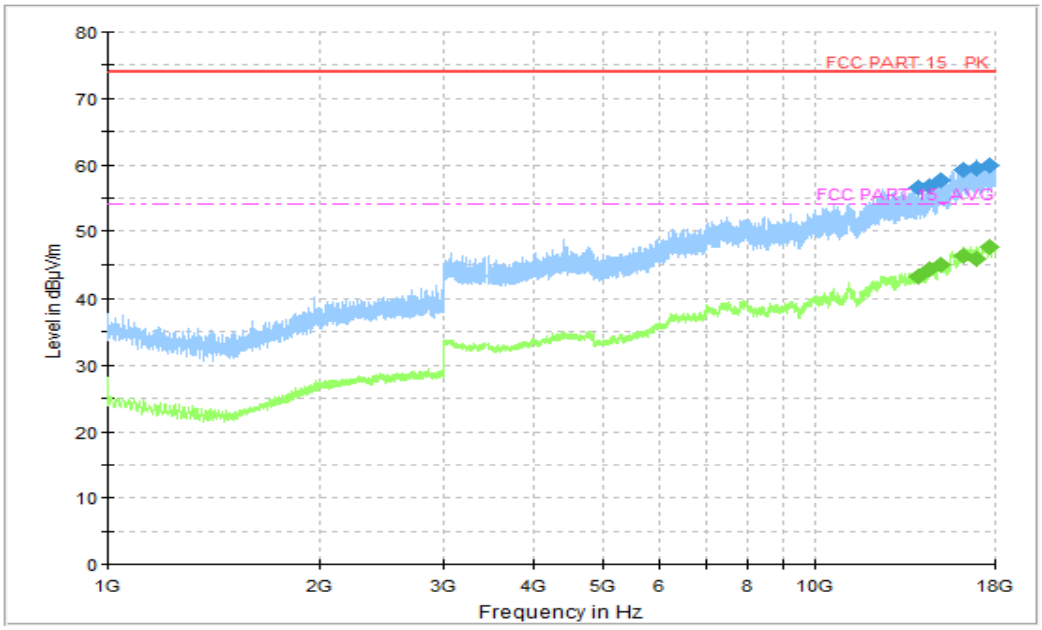


Figure A.1.2. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
13972.250000	56.44	74.00	17.56	H	18	38.44
14539.750000	56.68	74.00	17.32	V	19	37.68
15045.750000	57.56	74.00	16.44	V	19	38.56
16258.250000	59.25	74.00	14.75	H	22	37.25
16891.750000	59.43	74.00	14.57	H	22	37.43
17714.250000	59.99	74.00	14.01	V	24	35.99

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
13972.250000	43.03	54.00	10.97	H	18	25.03
14539.750000	44.19	54.00	9.81	V	19	25.19
15045.750000	44.91	54.00	9.09	V	19	25.91
16258.250000	46.29	54.00	7.71	V	22	24.29
16891.750000	45.91	54.00	8.09	V	22	23.91
17714.250000	47.59	54.00	6.41	V	24	23.59

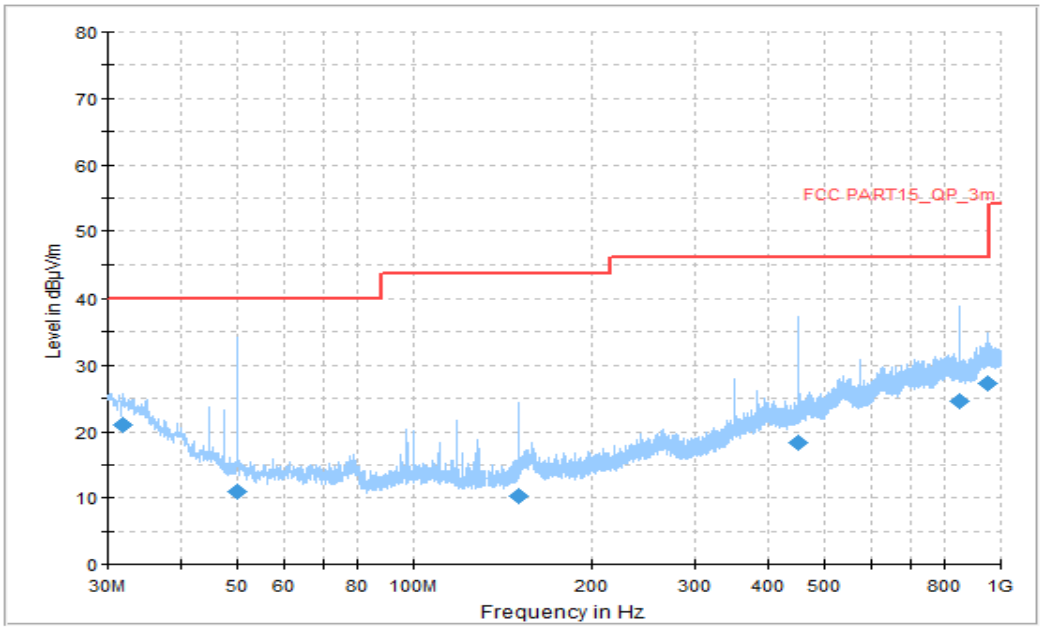


Figure A.1.3. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.778333	20.90	40.00	19.10	V	-14	34.90
49.992778	10.99	40.00	29.01	V	-22	32.99
149.956667	10.23	43.52	33.29	V	-19	29.23
450.010000	18.26	46.02	27.76	V	-8	26.26
850.027222	24.53	46.02	21.49	V	-1	25.53
950.045000	27.18	46.02	18.84	V	1	26.18

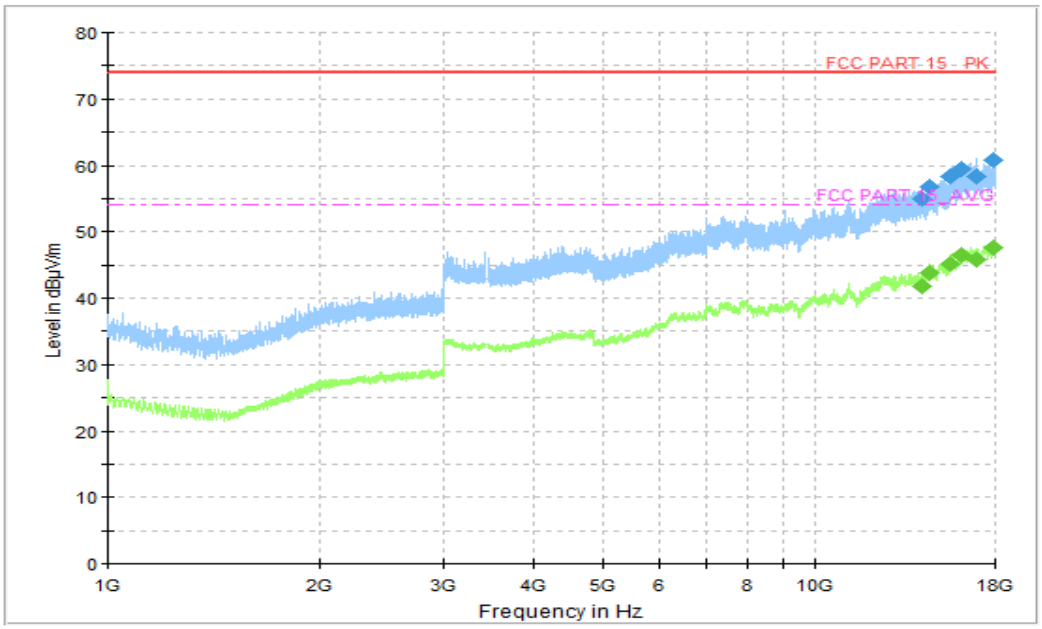


Figure A.1.4. Radiated Emission (GSM receiver 850MHz , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14143.250000	54.96	74.00	19.04	V	18	51.30
14566.250000	56.77	74.00	17.23	H	19	50.00
15575.250000	58.28	74.00	15.72	V	20	48.20
16166.000000	59.47	74.00	14.53	H	22	46.90
16906.000000	58.25	74.00	15.75	V	22	46.40
17909.500000	60.75	74.00	13.25	V	25	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14143.250000	41.74	54.00	12.26	H	18	38.30
14566.250000	43.85	54.00	10.15	H	19	37.60
15575.250000	45.07	54.00	8.93	H	20	34.90
16166.000000	46.43	54.00	7.57	H	22	33.10
16906.000000	45.87	54.00	8.13	V	22	32.60
17909.500000	47.52	54.00	6.48	H	25	30.90

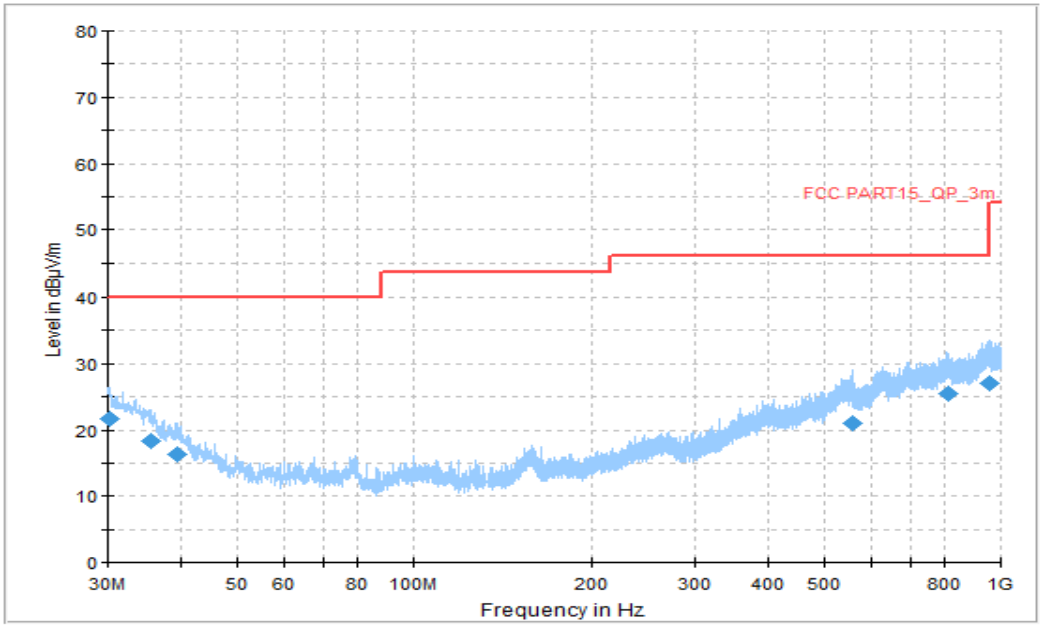


Figure A.1.5. Radiated Emission (WCDMA receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.323333	21.65	40.00	18.35	H	-13	34.65
35.658333	18.33	40.00	21.67	V	-16	34.33
39.430556	16.21	40.00	23.79	V	-18	34.21
559.350556	21.00	46.02	25.02	H	-5	26.00
814.406667	25.40	46.02	20.62	V	-1	26.4
957.158333	27.12	46.02	18.90	V	1	26.12

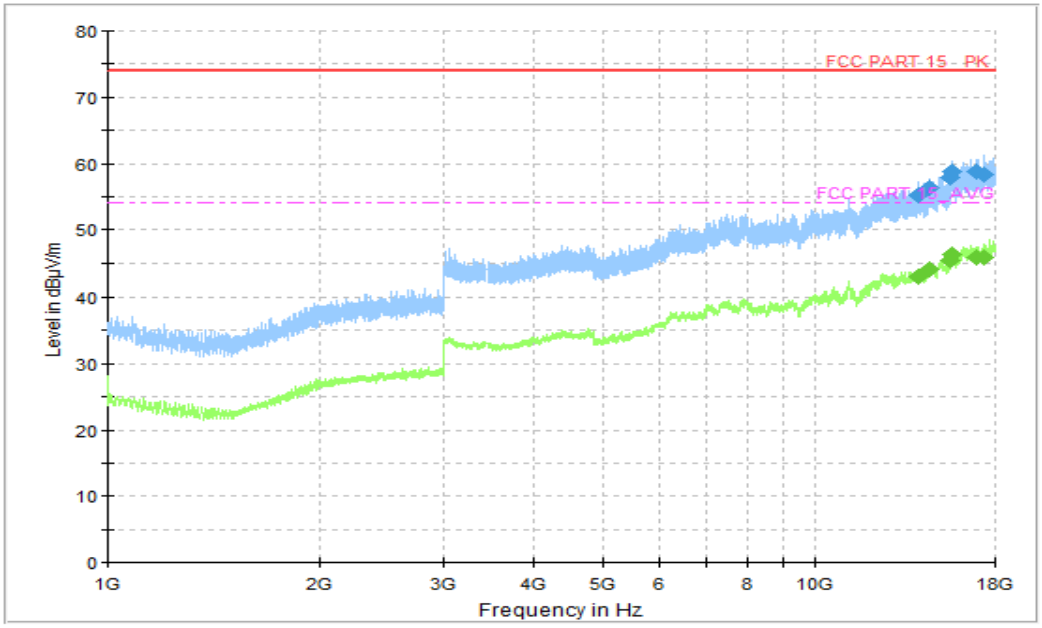


Figure A.1.6. Radiated Emission (WCDMA receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14037.500000	55.29	74.00	18.71	H	18	37.29
14559.250000	56.39	74.00	17.61	H	19	37.39
15577.750000	57.86	74.00	16.14	V	20	37.86
15673.750000	58.73	74.00	15.27	V	21	37.73
16915.250000	58.73	74.00	15.27	V	23	35.73
17347.750000	58.27	74.00	15.73	V	23	35.27

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14037.500000	42.88	54.00	11.12	H	18	24.88
14559.250000	43.98	54.00	10.02	H	19	24.98
15577.750000	45.37	54.00	8.63	V	20	25.37
15673.750000	46.22	54.00	7.78	H	21	25.22
16915.250000	45.81	54.00	8.19	V	23	22.81
17347.750000	45.88	54.00	8.12	V	23	22.88

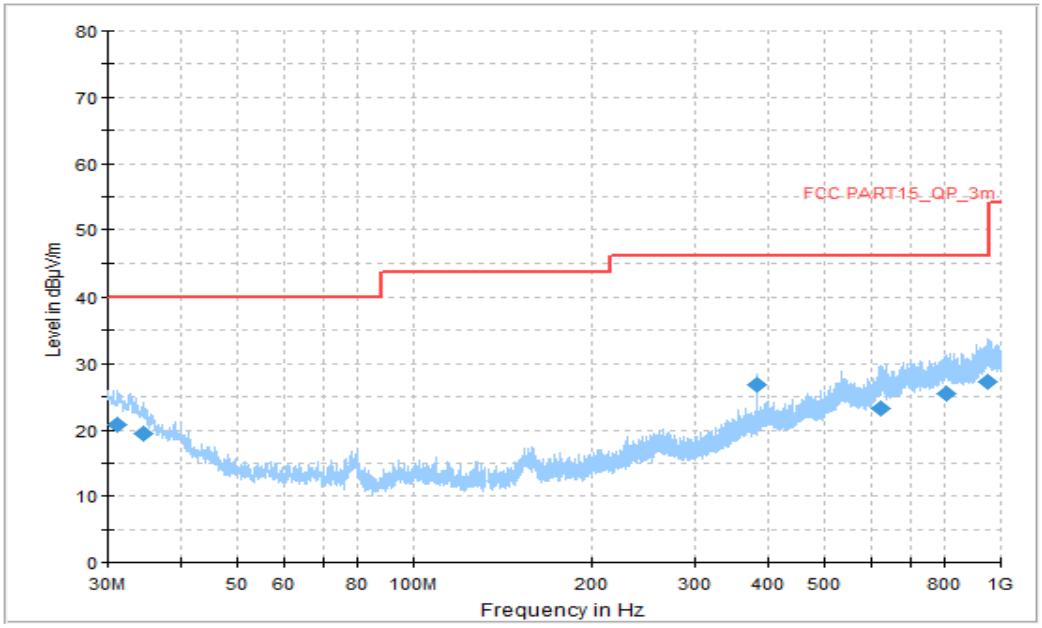


Figure A.1.7. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.185556	20.87	40.00	19.13	H	-13	33.87
34.634444	19.51	40.00	20.49	H	-15	34.51
383.996111	26.76	46.02	19.26	H	-10	36.76
623.262778	23.13	46.02	22.89	H	-3	26.13
808.317222	25.55	46.02	20.47	V	-1	26.55
946.757778	27.16	46.02	18.86	H	1	26.16

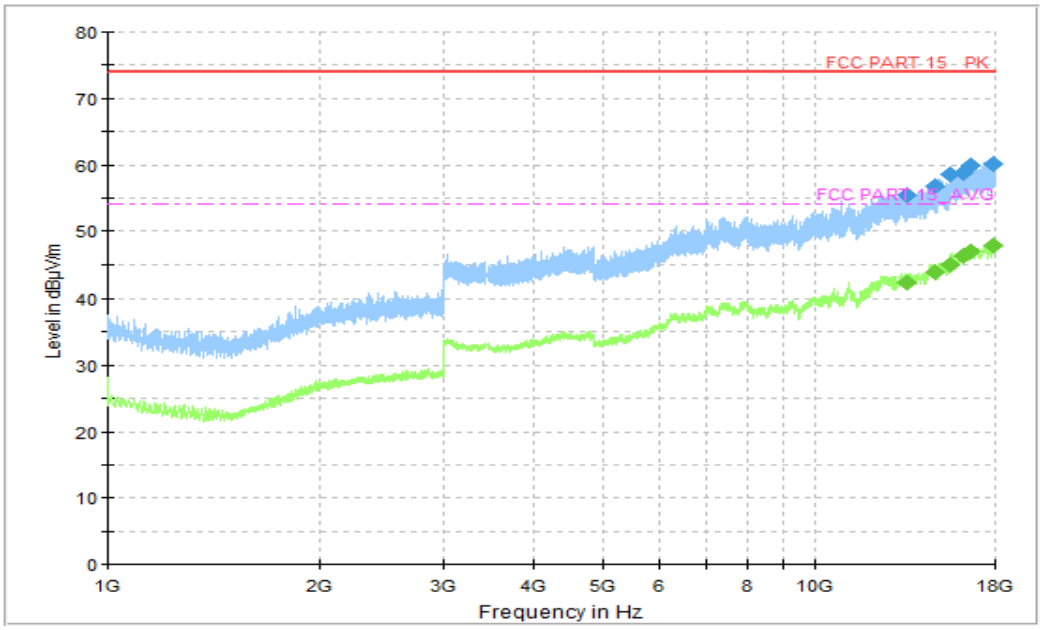


Figure A.1.8. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13481.250000	55.32	74.00	18.68	H	18	37.32
14755.000000	56.79	74.00	17.21	H	19	37.79
15568.750000	58.62	74.00	15.38	H	20	38.62
16259.750000	58.79	74.00	15.21	V	22	36.79
16672.750000	59.85	74.00	14.15	V	22	37.85
17894.250000	60.01	74.00	13.99	V	25	35.01

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13481.250000	42.26	54.00	11.74	H	18	24.26
14755.000000	43.78	54.00	10.22	V	19	24.78
15568.750000	45.00	54.00	9.00	H	20	25.00
16259.750000	46.29	54.00	7.71	H	22	24.29
16672.750000	46.91	54.00	7.09	H	22	24.91
17894.250000	47.71	54.00	6.29	H	25	22.71

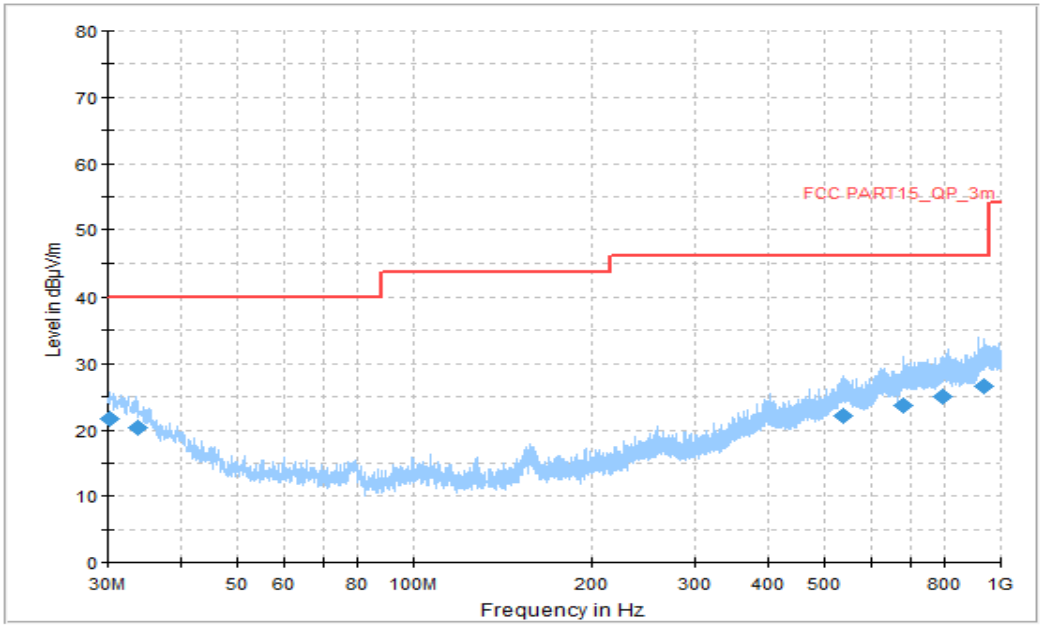


Figure A.1.9. Radiated Emission (LTE receiver Band 12, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.269444	21.75	40.00	18.25	s	-13	34.75
33.772222	20.23	40.00	19.77	V	-15	35.23
536.932778	22.12	46.02	23.90	H	-4	26.12
682.163333	23.79	46.02	22.23	H	-2	25.79
792.743333	24.93	46.02	21.09	H	-1	25.93
934.740556	26.67	46.02	19.35	V	1	25.67

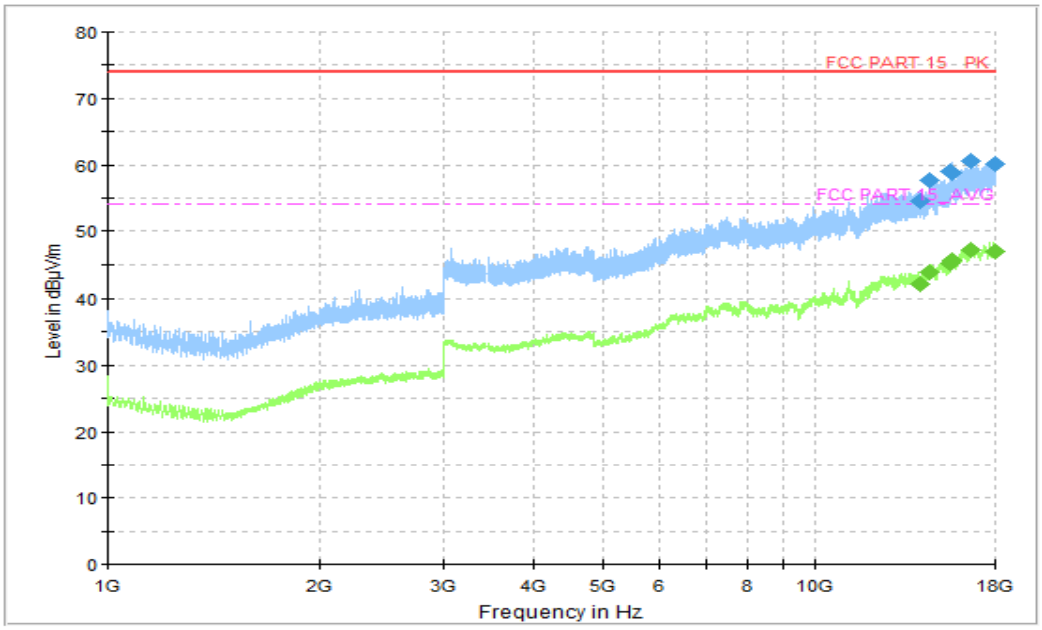


Figure A.1.10. Radiated Emission (LTE receiver Band 12, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14056.750000	54.55	74.00	19.45	H	18	36.55
14568.500000	57.58	74.00	16.42	H	19	38.58
15577.000000	58.95	74.00	15.05	H	20	38.95
15613.750000	58.86	74.00	15.14	H	20	38.86
16627.250000	60.55	74.00	13.45	H	23	37.55
17995.750000	60.07	74.00	13.93	V	24	36.07

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14056.750000	41.92	54.00	12.08	V	18	23.92
14568.500000	43.82	54.00	10.18	V	19	24.82
15577.000000	45.21	54.00	8.79	V	20	25.21
15613.750000	45.57	54.00	8.43	H	20	25.57
16627.250000	47.18	54.00	6.82	V	23	24.18
17995.750000	46.94	54.00	7.06	V	24	22.94

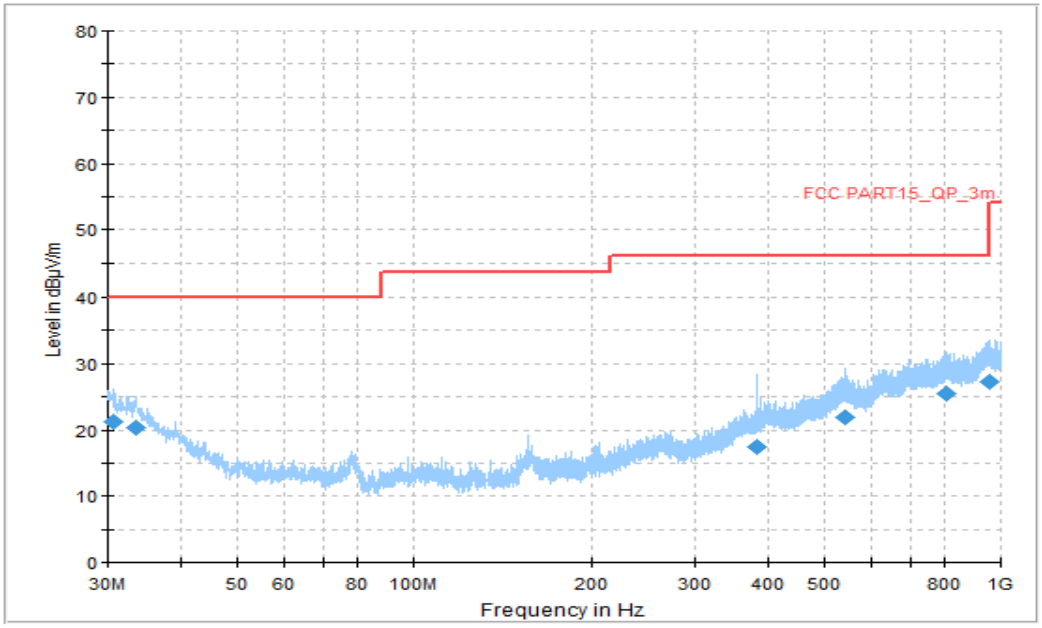


Figure A.1.11. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.700556	21.22	40.00	18.78	H	s	21.22
33.556667	20.37	40.00	19.63	H	-15	35.37
383.996111	17.38	46.02	28.64	H	-10	27.38
540.058333	21.98	46.02	24.04	V	-4	25.98
806.431111	25.51	46.02	20.51	V	-1	26.51
953.763333	27.28	46.02	18.74	H	1	26.28

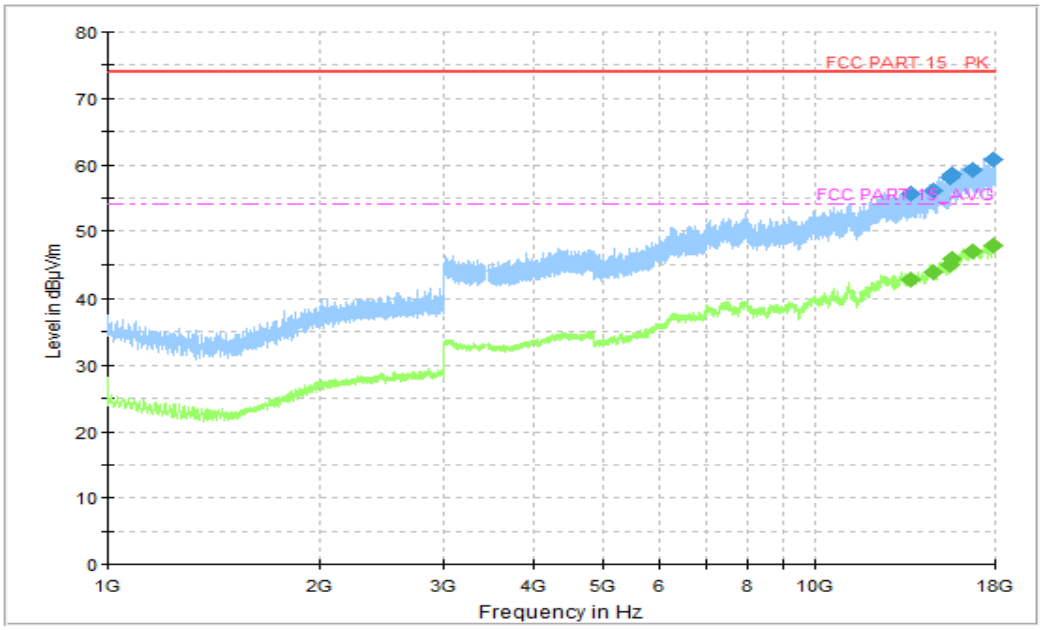


Figure A.1.12. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13660.000000	55.69	74.00	18.31	V	18	37.69
14666.500000	55.98	74.00	18.02	V	19	36.98
15562.250000	58.18	74.00	15.82	V	20	38.18
15633.500000	58.49	74.00	15.51	H	21	37.49
16681.750000	59.27	74.00	14.73	H	22	37.27
17888.750000	60.72	74.00	13.28	H	25	35.72

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13660.000000	42.57	54.00	11.43	H	18	24.57
14666.500000	43.76	54.00	10.24	V	19	24.76
15562.250000	44.99	54.00	9.01	V	20	24.99
15633.500000	45.83	54.00	8.17	V	21	24.83
16681.750000	46.94	54.00	7.06	V	22	24.94
17888.750000	47.78	54.00	6.22	H	25	22.78

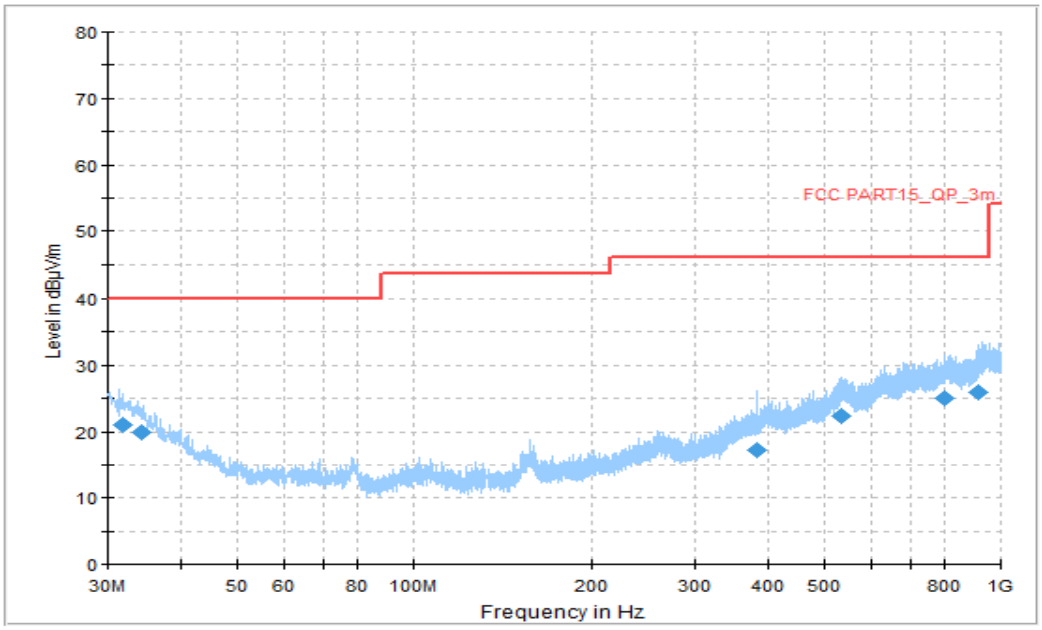


Figure A.1.13. Radiated Emission (LTE receiver Band 17, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.886111	20.92	40.00	19.08	V	-14	34.92
34.365000	19.83	40.00	20.17	V	-15	34.83
383.942222	17.25	46.02	28.77	H	-10	27.25
535.639444	22.31	46.02	23.71	H	-4	26.31
800.449444	25.07	46.02	20.95	V	-1	26.07
915.771667	25.91	46.02	20.11	H	0	25.91

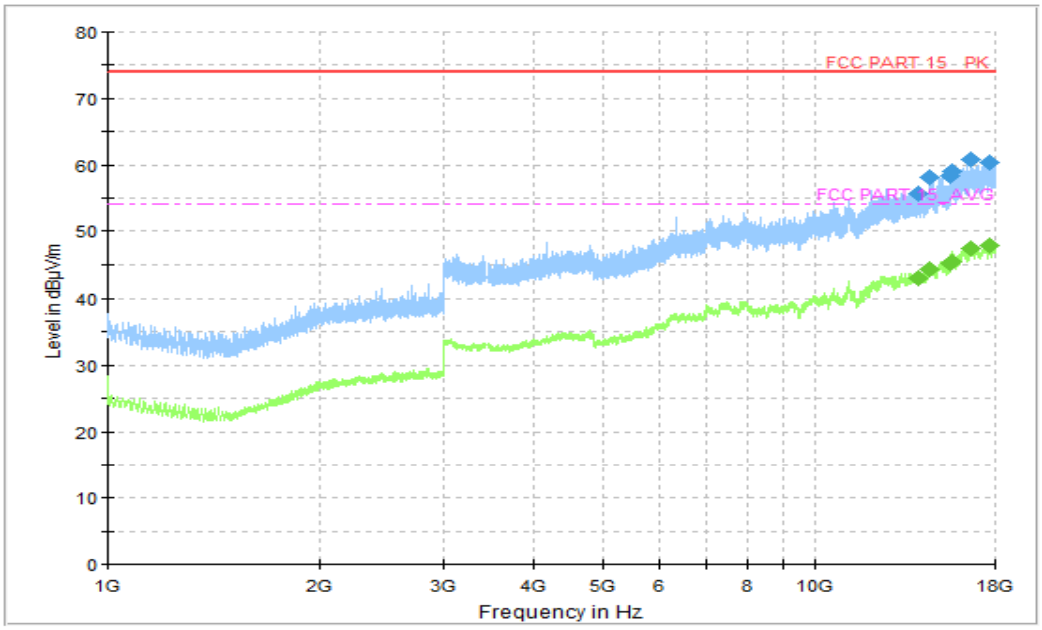


Figure A.1.14. Radiated Emission (LTE receiver Band 17, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14012.750000	55.63	74.00	18.37	H	18	37.63
14539.000000	58.13	74.00	15.87	H	19	39.13
15576.250000	58.30	74.00	15.70	V	20	38.30
15596.500000	59.02	74.00	14.98	V	20	39.02
16596.000000	60.74	74.00	13.26	H	23	37.74
17706.500000	60.36	74.00	13.64	H	24	36.36

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14012.750000	42.85	54.00	11.15	V	18	24.85
14539.000000	44.21	54.00	9.79	H	19	25.21
15576.250000	45.18	54.00	8.82	H	20	25.18
15596.500000	45.44	54.00	8.56	H	20	25.44
16596.000000	47.37	54.00	6.63	H	23	24.37
17706.500000	47.88	54.00	6.12	V	24	23.88

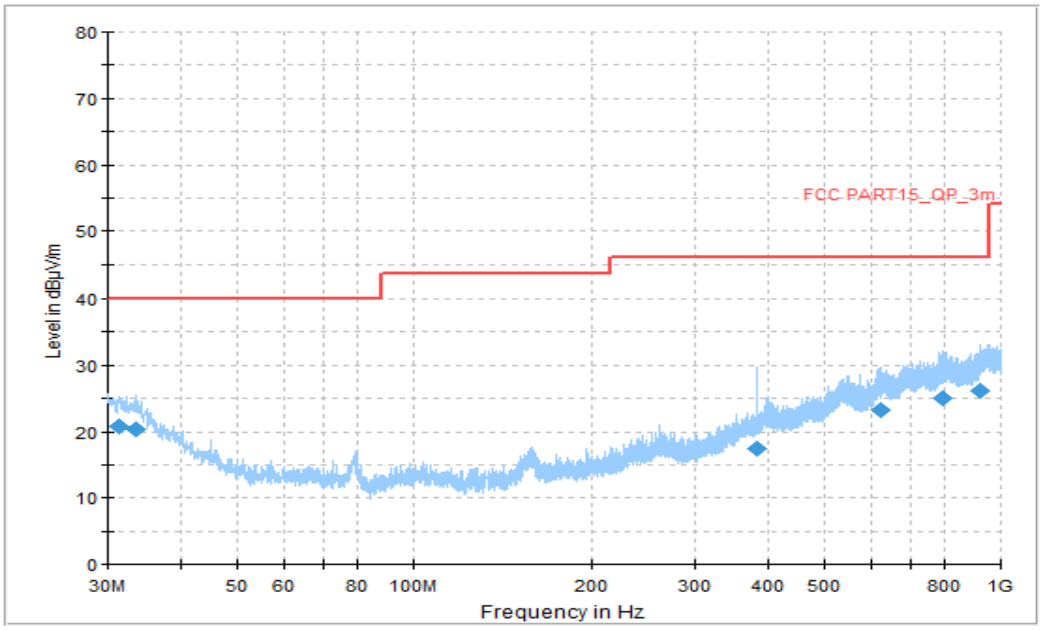


Figure A.1.15. Radiated Emission (LTE receiver Band 26, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.401111	20.79	40.00	19.21	H	-13	33.79
33.502778	20.38	40.00	19.62	H	-15	35.38
383.996111	17.36	46.02	28.66	H	-10	27.36
622.723889	23.15	46.02	22.87	V	-3	26.15
793.174444	24.96	46.02	21.06	V	-1	25.96
919.382222	26.25	46.02	19.77	H	0	26.25

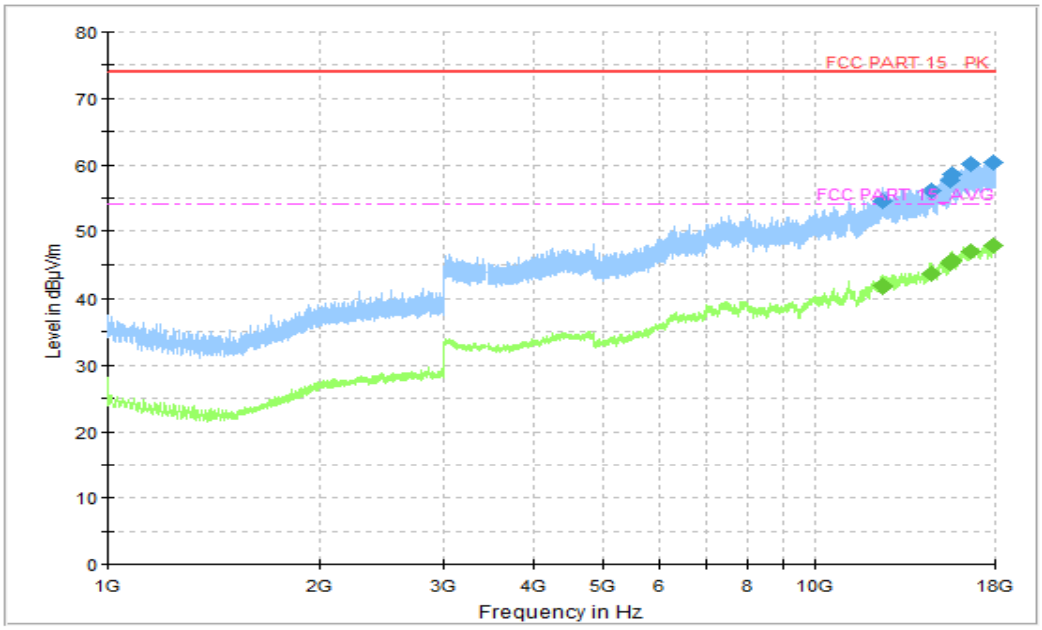


Figure A.1.16. Radiated Emission (LTE receiver Band 26, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12443.000000	54.48	74.00	19.52	H	18	36.48
14586.500000	56.04	74.00	17.96	H	19	37.04
15572.500000	57.63	74.00	16.37	V	20	37.63
15617.000000	58.57	74.00	15.43	V	20	38.57
16608.750000	60.11	74.00	13.89	H	23	37.11
17902.250000	60.28	74.00	13.72	H	25	35.28

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12443.000000	41.84	54.00	12.16	V	18	23.84
14586.500000	43.66	54.00	10.34	H	19	24.66
15572.500000	45.11	54.00	8.89	H	20	25.11
15617.000000	45.67	54.00	8.33	H	20	25.67
16608.750000	47.00	54.00	7.00	H	23	24
17902.250000	47.75	54.00	6.25	V	25	22.75

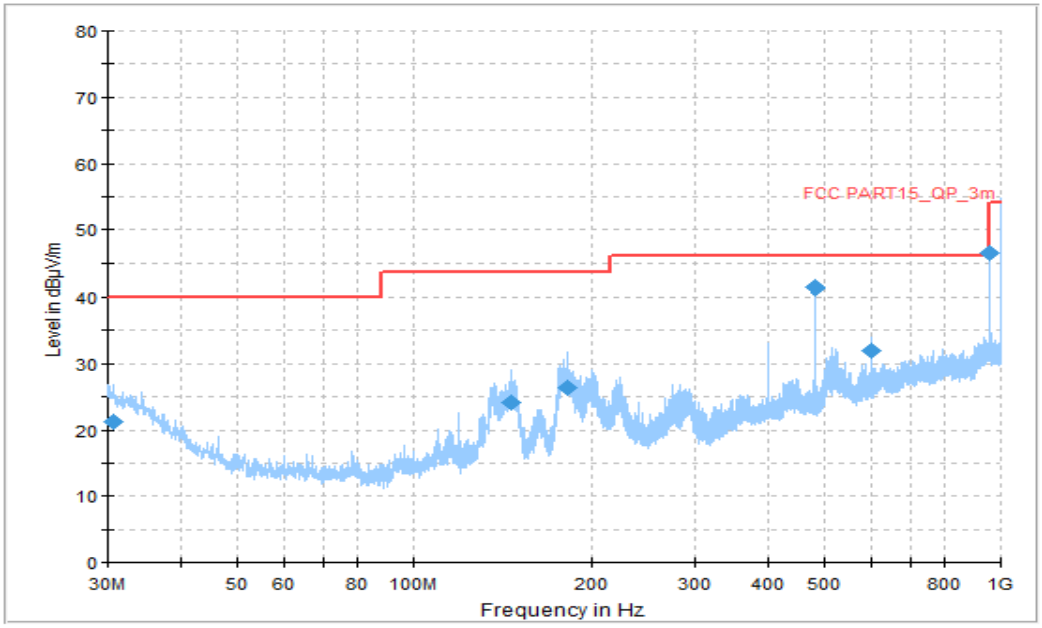


Figure A.1.17. Radiated Emission (Data Transfer: TF TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.646667	21.28	40.00	18.72	H	-13	34.28
145.106667	24.08	43.52	19.44	V	-19	43.08
181.858889	26.43	43.52	17.09	V	-18	44.43
480.026111	41.39	46.02	4.63	V	-7	48.39
599.982778	32.02	46.02	14.00	V	-5	37.02
960.014444	46.37	53.98	7.61	H	1	45.37

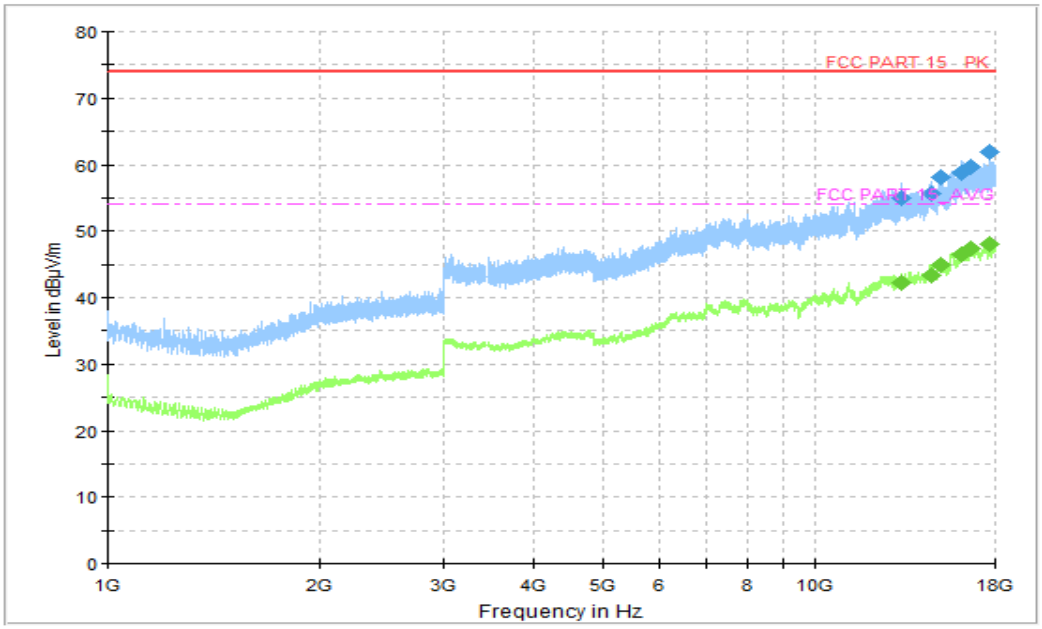


Figure A.1.18. Radiated Emission (Data Transfer: TF TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13277.000000	55.03	74.00	18.97	H	18	37.03
14601.750000	55.67	74.00	18.33	V	19	36.67
15103.750000	58.13	74.00	15.87	H	20	38.13
16157.250000	58.70	74.00	15.30	V	22	36.70
16610.750000	59.70	74.00	14.30	V	23	36.7
17702.250000	61.86	74.00	12.14	H	24	37.86

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13277.000000	42.32	54.00	11.68	H	s	42.32
14601.750000	43.45	54.00	10.55	V	19	24.45
15103.750000	44.83	54.00	9.17	V	20	24.83
16157.250000	46.53	54.00	7.47	H	22	24.53
16610.750000	47.35	54.00	6.65	H	23	24.35
17702.250000	47.97	54.00	6.03	V	24	23.97

*****END OF REPORT*****