



FCC PART 15 TEST REPORT No. I17Z60880-EMC01

for

Huawei Technologies Co., Ltd.

HUAWEI MediaPad T3

Model name: KOB-W09

With

FCC ID: QISKOB-W09

Hardware Version: REACHW-V1.0

Software Version: KOB-W09C331B002-log

Issued Date: 2017-06-19

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:

FCC 2.948 Listed: No. 525429

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1. TEST LATORATORY

1.1. Testing Location

CTTL(BDA)

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

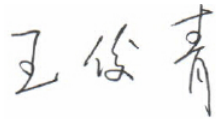
1.2. Testing Environment

Normal Temperature: 15-35℃
Relative Humidity: 20-75%

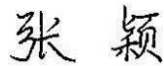
1.3. Project data

Testing Start Date: 2017-03-15
Testing End Date: 2017-04-19

1.4. Signature



Wang Junqing
(Prepared this test report)



Zhang Ying
(Reviewed this test report)



Liu Baodian
(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Huawei Technologies Co.,Ltd
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Contact Email: hurong8@huawei.com
Telephone: 15602311354
Fax: /

2.2. Manufacturer Information

Company Name: Huawei Technologies Co.,Ltd
Address /Post: Administration Building, Headquarters of Huawei Technologies Co.,
Ltd., Bantian, Longgang District Shenzhen China
Contact Person: hurong
Contact Email: hurong8@huawei.com
Telephone: 15602311354
Fax: /

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	HUAWEI MediaPad T3
Model name	KOB-W09
FCC ID	QISKOB-W09
WLAN Frequency Range	ISM Bands: 5150MHz~5250MHz, 5250MHz~5350MHz, 5470MHz~5725MHz
Antenna	Integral Antenna

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, Academy of telecommunication Research, MIIT.

3.2. Internal Identification of EUT used during the test

EUT ID*	S/N	HW Version	SW Version
EUT1	/	REACHW-V1.0	KOB-W09C331B002-log

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	Type	Note
AE1	Battery	/	Inbuilt
AE2	Battery	/	Inbuilt
AE3	Travel charger	/	1760181CH007
AE4	Travel charger	/	1760181CH002
AE5	Travel charger	/	1760181CH006
AE6	USB cable	/	1760181DC004
AE7	USB cable	/	1760181DC001
AE8	USB cable	/	1760181DC002

AE1

Model	HB3080G1EBC
Manufacturer	Huawei Technologies Co., Ltd
Capacitance	4650mAh
Nominal voltage	3.8V

AE2

Model	HB3080G1EBW
Manufacturer	Huawei Technologies Co., Ltd
Capacitance	4650mAh
Nominal voltage	3.8V



AE3

Model	HW-050100U01
Manufacturer	Shezhen Huntkey Electric Co.,Ltd
Length of cable	/

AE4

Model	HW-050100U01
Manufacturer	HUIZHOU BYD ELECTRONIC CO.,LTD
Length of cable	/

AE5

Model	HW-050100U01
Manufacturer	DONG GUAN PHITEK ELECTORNICS COL.,LTD.
Length of cable	/

AE6

Model	CUBB01M-HC208-DH
Manufacturer	FOXCONN INTERCONNECT TECHNOLOGY LIMITED
Length of cable	100cm

AE7

Model	L99U2013-CS-H
Manufacturer	Luxshare Precision Industry Co., Ltd
Length of cable	100cm

AE8

Model	130-26654
Manufacturer	HONGLIN TECHNOLOGY CO.,LTD
Length of cable	100cm

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

3.4. General Description

Equipment Under Test (EUT) is model of HUAWEI MediaPad T3 with integrated antenna and inbuilt battery. It supports WLAN 802.11a/b/g/n (11n 20MHz and 40MHz) function.

Manual and specifications of the EUT were provided to fulfill the test.

Samples undergoing test were selected by the Client.



3.5. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT1 + AE1 +AE3 +AE6	5G WIFI

Note: The results of Band Edges for 5G WIFI are tested again, other results are inherited from the initial model. The report number of initial model is I17Z60181-EMC01.



4. REFERENCE DOCUMENTS

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

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

FCC Part15	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	2017
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013
KDB 789033 D02	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E	June 2014

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-2 (10 meters×6.7meters×6.1meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ± 4 dB, 3m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

6. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15E	Sub-clause of IC	Verdict
Band edge compliance	15.209	/	P
Transmitter spurious emissions radiated	15.407	/	P

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases requested by the client/manufacture as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.1.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	15°C~35°C
Voltage	3.8V
Humidity	15%~75%



7. TEST EQUIPMENTS UTILIZED

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	R&S	2017-10-31	1 Year
2	Loop Antenna	HFH2-Z2	829324/007	R&S	2017-12-16	3 Years
3	EMI Antenna	VULB9163	9163-514	Schwarzbeck	2017-11-24	3 Years
4	EMI Antenna	3117	00139065	ETS-Lindgren	2017-07-01	3 Years
5	EMI Antenna	3116	2661	ETS-Lindgren	2017-06-17	3 Years

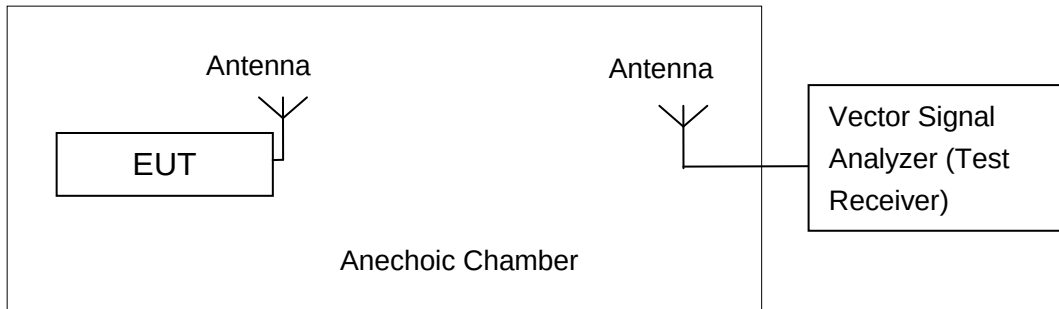
ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 40GHz, RBW = 1MHz, VBW = 3MHz;



The measurement is made according to KDB 789033

For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m.

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m or 10m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.

A.2. Band Edges Compliance

Measurement Limit:

Standard	Limit (dB μ V/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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Measurement Result:

5GHz U-NII 1

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
802.11n-HT20	5180 MHz	Fig.2	P
802.11n-HT40	5190 MHz	Fig.3	P

5GHz U-NII 2A

Mode	Channel	Test Results	Conclusion
802.11a	5320 MHz	Fig.4	P
802.11n-HT20	5320 MHz	Fig.5	P
802.11n-HT40	5310 MHz	Fig.6	P

5GHz U-NII 2C

Mode	Channel	Test Results	Conclusion
802.11a	5500 MHz	Fig.7	P
802.11a	5700 MHz	Fig.8	P
802.11n-HT20	5500 MHz	Fig.9	P
802.11n-HT20	5700 MHz	Fig.10	P
802.11n-HT40	5510 MHz	Fig.11	P
802.11n-HT40	5670 MHz	Fig.12	P

Conclusion: PASS
Test graphs as below:

RE - Power-5.125GHz-5.175GHz

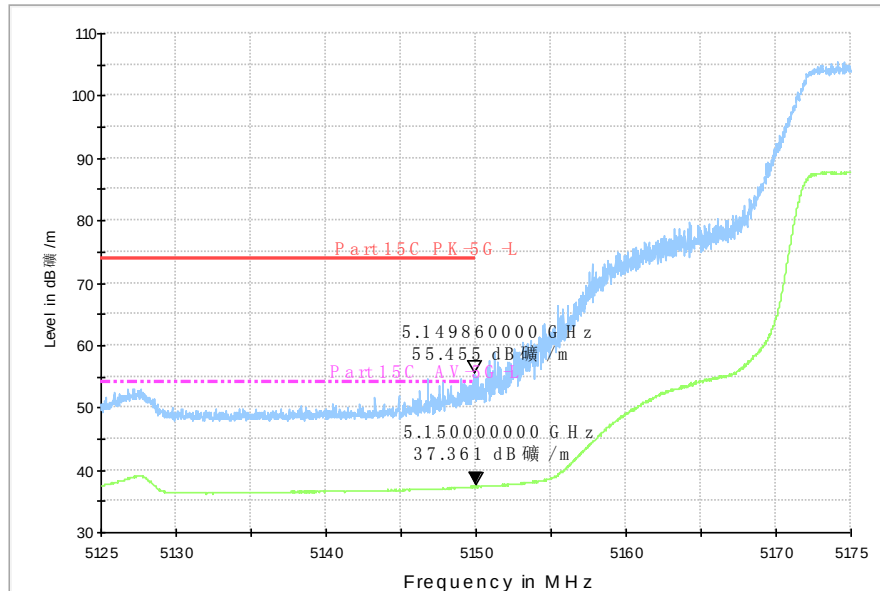


Fig. 1 Band Edges (802.11a, 5180MHz)

RE - Power-5.125GHz-5.175GHz

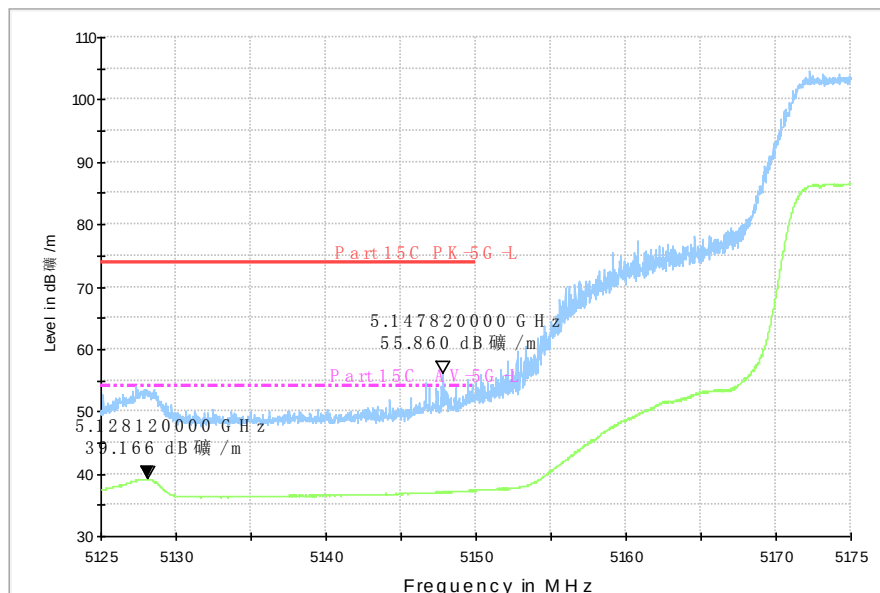


Fig. 2 Band Edges (802.11n-HT20, 5180MHz)

RE - Power-5.125GHz-5.175GHz

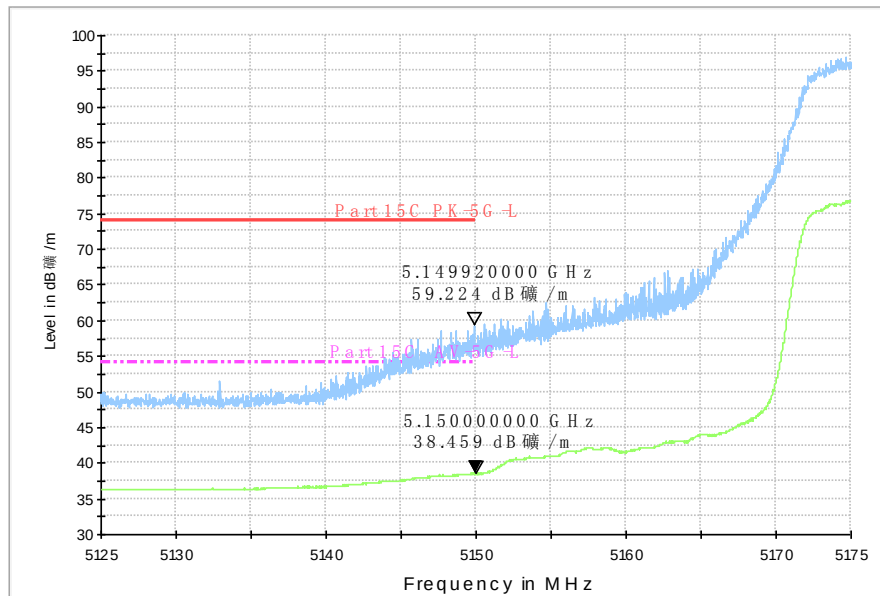


Fig. 3 Band Edges (802.11n-HT40, 5190MHz)

RE - Power-5.325GHz-5.375GHz

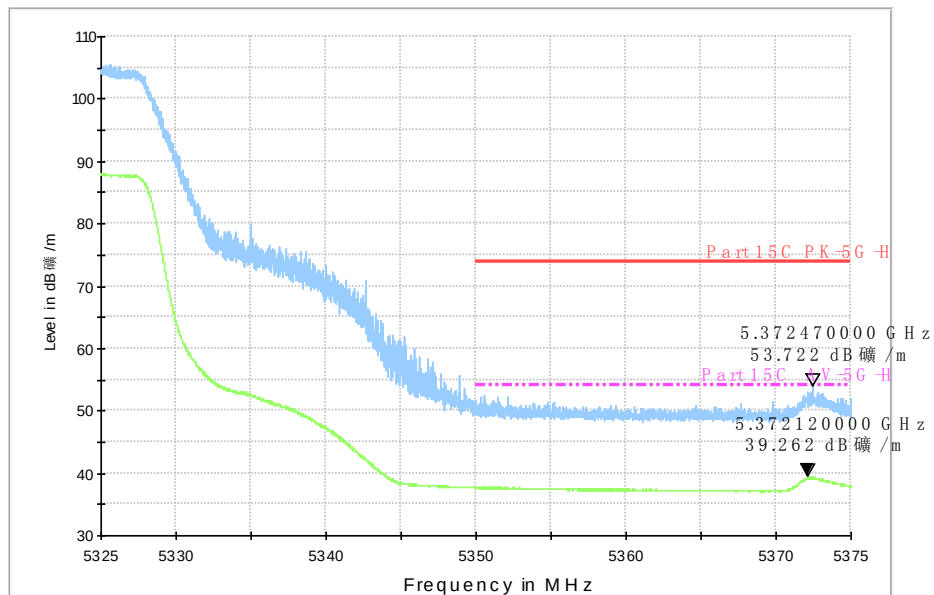


Fig. 4 Band Edges (802.11a, 5320MHz)

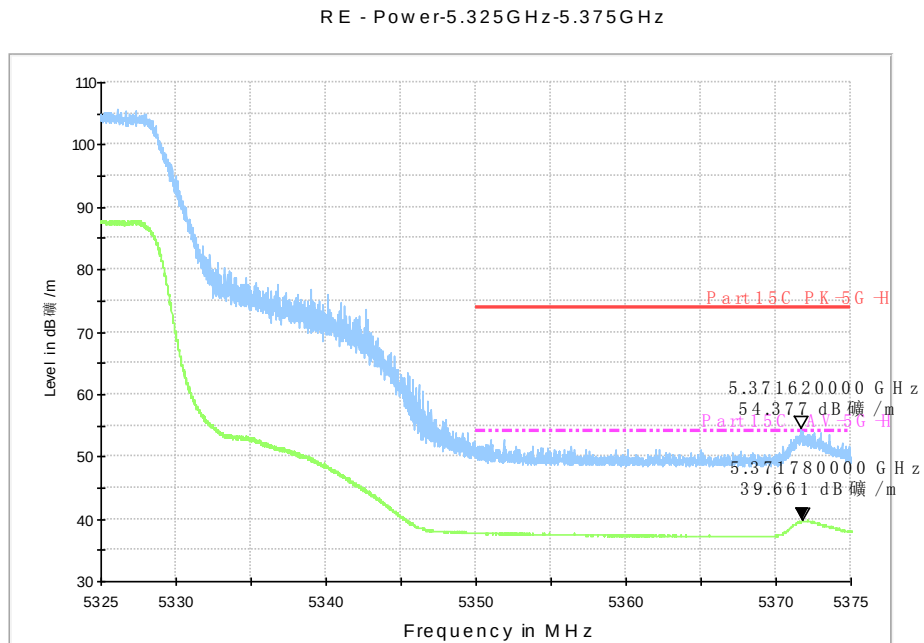


Fig. 5 Band Edges (802.11n-HT20, 5320MHz)

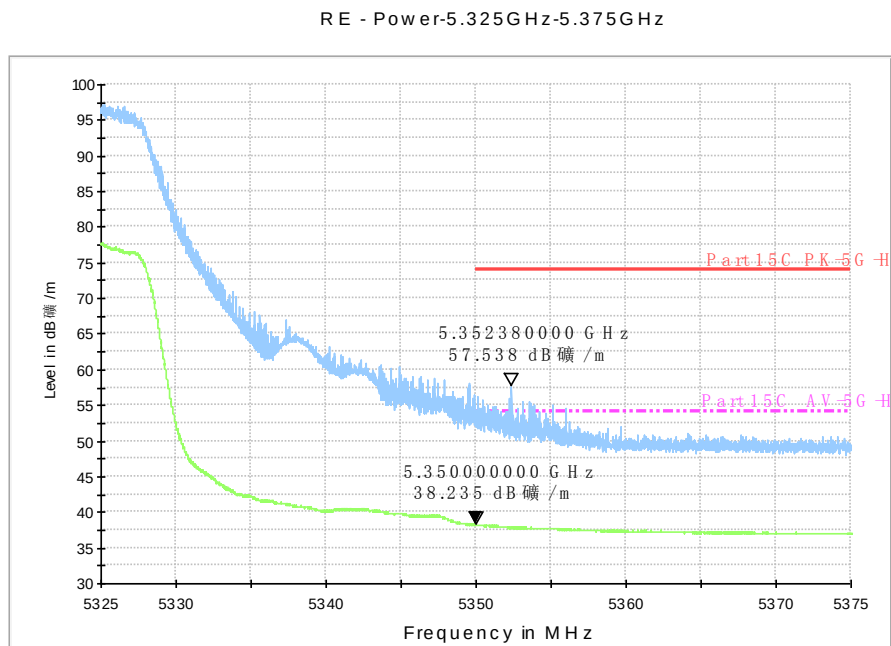


Fig. 6 Band Edges (802.11n-HT40, 5310MHz)

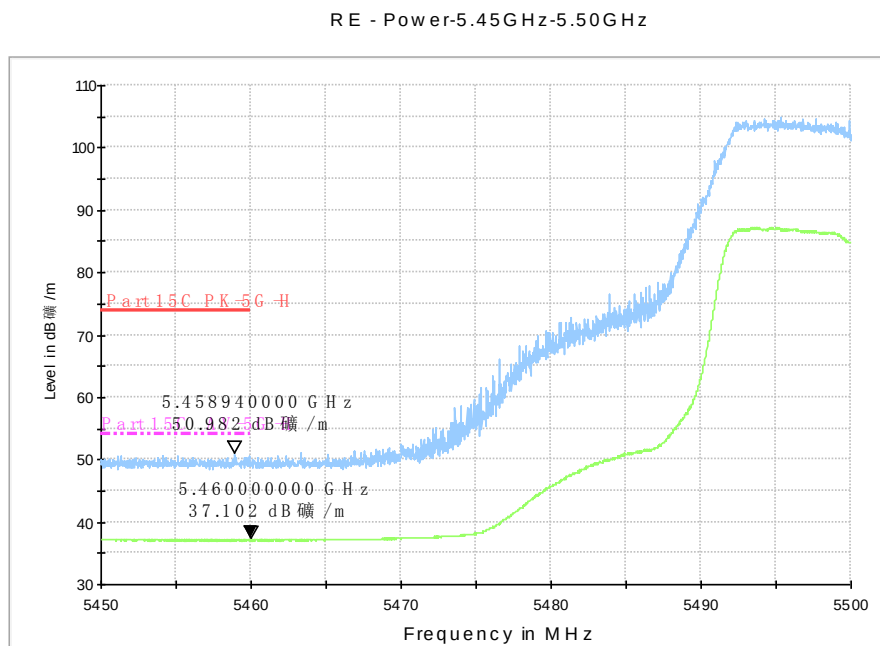


Fig. 7 Band Edges (802.11a, 5500MHz)

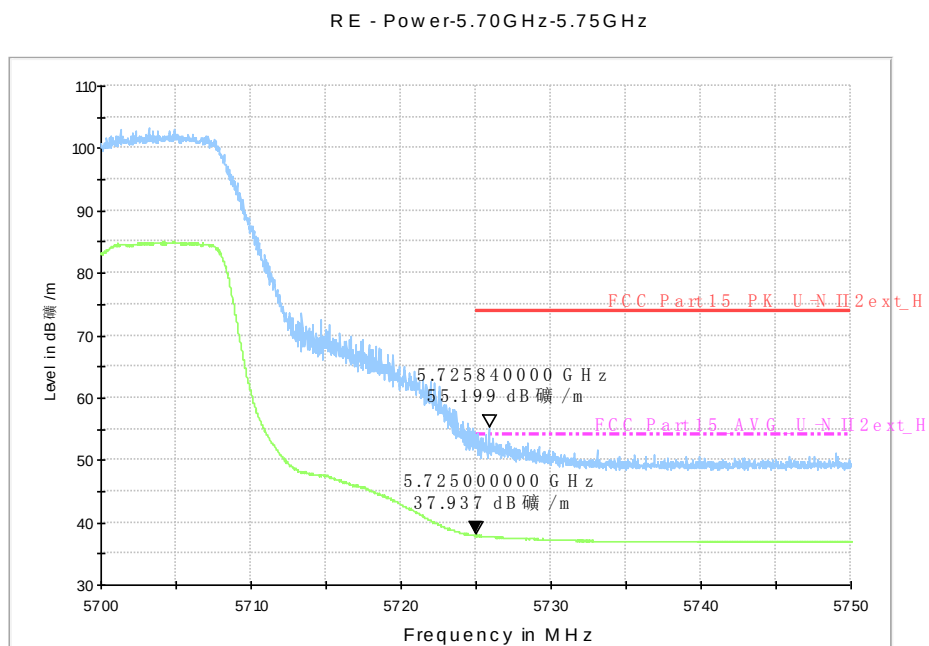


Fig. 8 Band Edges (802.11a, 5700MHz)

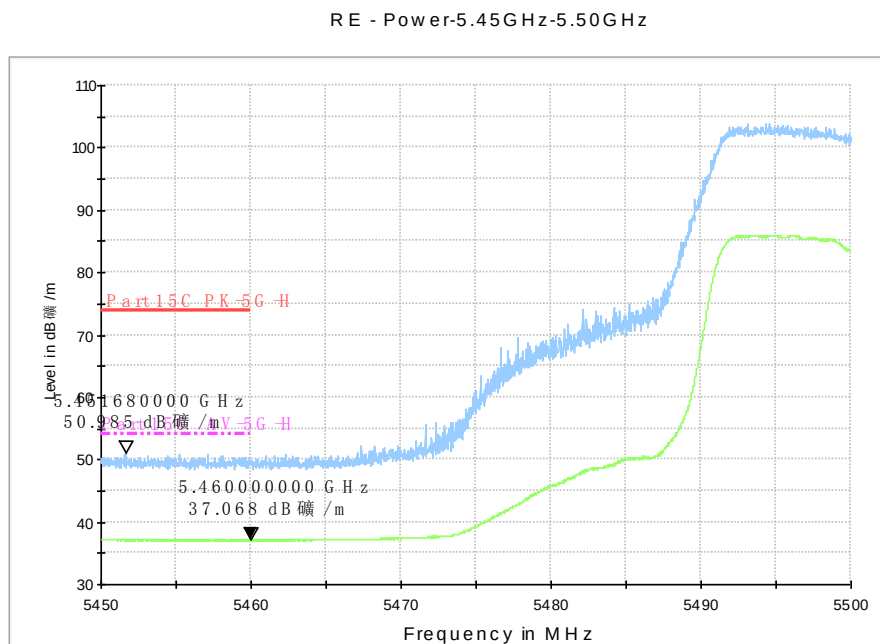


Fig. 9 Band Edges (802.11n-HT20, 5500MHz)

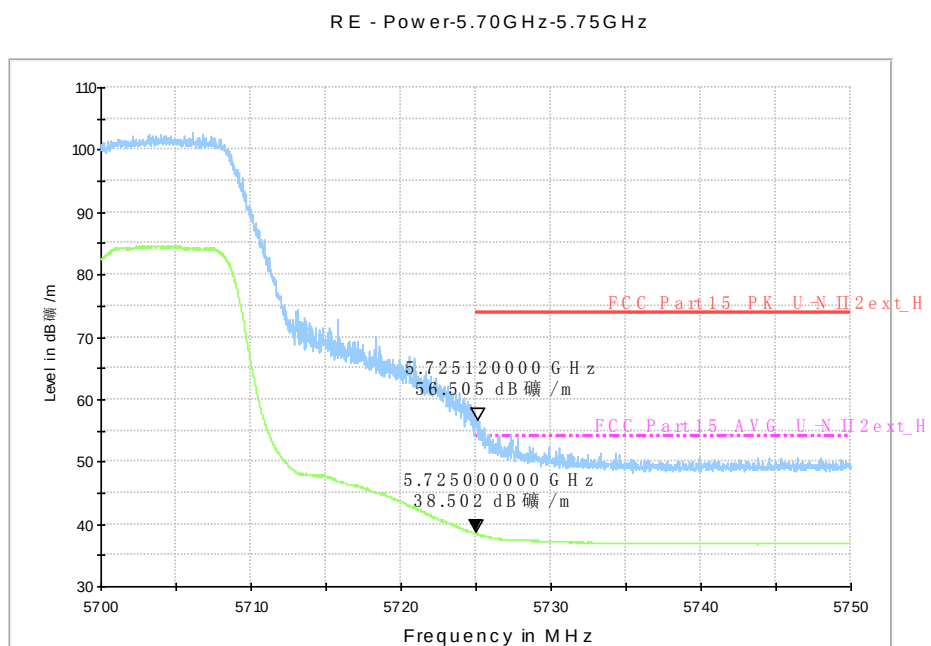


Fig. 10 Band Edges (802.11n-HT20, 5700MHz)

RE - Power-5.45GHz-5.50GHz

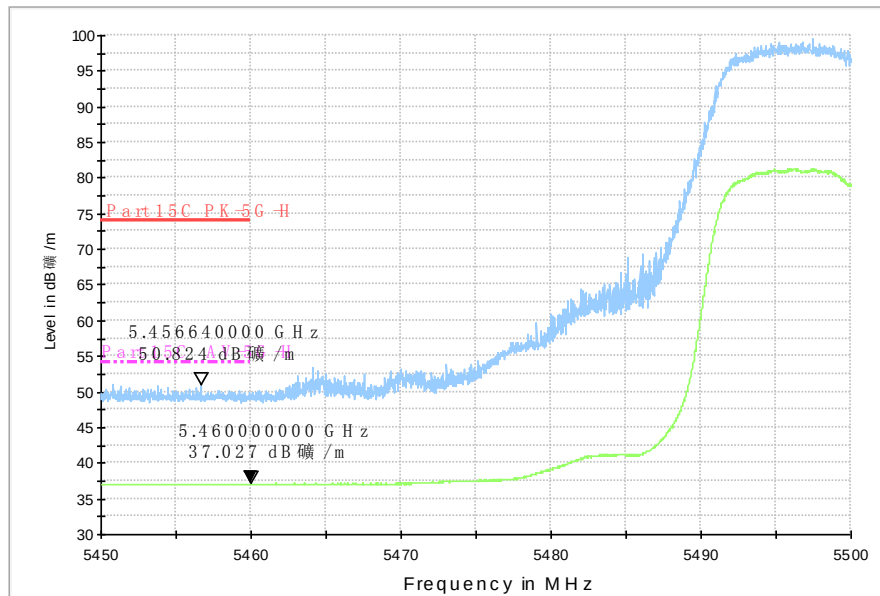


Fig. 11 Band Edges (802.11n-HT40, 5510MHz)

RE - Power-5.65GHz-5.75GHz

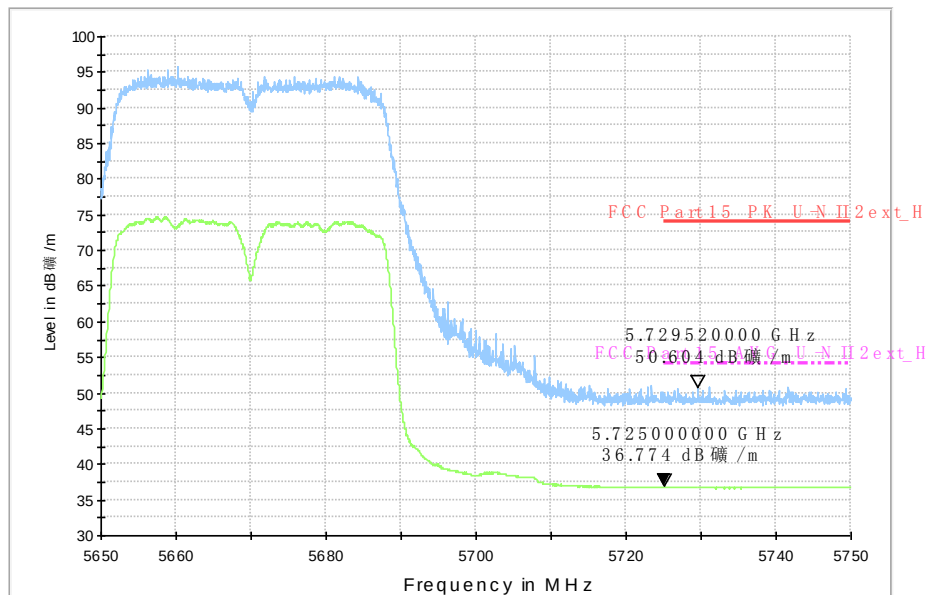


Fig. 12 Band Edges (802.11n-HT40, 5670MHz)

A.3. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to ANSI C63.10.

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength (uV/m)	Field strength (dBμV/m)	Measurement distance(m)
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Measurement uncertainty:

Frequency Range	Uncertainty(dB)	Note
$f \leq 1\text{GHz}$	3.9	k=2
$f > 1\text{GHz}$	4.3	

Measurement Results:

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$



5GHz U-NII 1

802.11a

Channel 36

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5127.680	47.4	-23.2	34.4	36.13	54.0	6.6	H	155	8
5128.600	47.0	-23.2	34.4	35.73	54.0	7.0	H	155	6
10359.400	35.9	-29.8	37.9	27.78	54.0	18.1	H	155	25
15540.400	36.0	-26.3	40.1	22.26	54.0	18.0	H	155	70
17805.300	39.8	-23.1	41.0	21.92	54.0	14.2	H	155	135
17810.800	39.8	-23.0	41.0	21.86	54.0	14.2	H	155	270

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5127.040	61.0	-23.2	34.4	49.73	74.0	13.0	H	155	0
5126.920	60.8	-23.2	34.4	49.58	74.0	13.2	V	155	0
10362.600	49.4	-29.8	37.9	41.21	74.0	24.7	V	155	22
15540.600	50.6	-26.3	40.1	36.78	74.0	23.4	V	155	66
17782.800	52.2	-23.4	41.0	34.64	74.0	21.8	V	155	132
17804.400	52.5	-23.1	41.0	34.63	74.0	21.5	V	155	274



Channel 40

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.600	42.3	-33.0	34.4	40.82	54.0	11.7	H	155	170
5252.400	41.5	-32.4	34.4	39.53	54.0	12.5	H	155	150
10400.100	34.2	-29.6	38.0	25.83	54.0	19.8	H	155	20
15591.000	36.4	-26.4	40.1	22.62	54.0	17.6	H	155	180
17800.900	39.9	-23.1	41.0	22.07	54.0	14.1	H	155	202
17809.700	39.8	-23.0	41.0	21.85	54.0	14.2	H	155	8

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.550	53.6	-33.0	34.4	52.14	74.0	20.4	H	155	176
5252.400	52.6	-32.4	34.4	50.61	74.0	21.4	H	155	154
10410.000	47.2	-29.6	38.0	38.84	74.0	26.8	V	155	22
15598.800	51.6	-26.4	40.1	37.85	74.0	22.4	V	155	176
17801.400	52.5	-23.1	41.0	34.67	74.0	21.5	H	155	198
17849.400	52.0	-23.5	40.9	34.58	74.0	22.0	H	155	0



Channel 48

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5292.400	41.9	-22.1	34.5	29.49	54.0	12.1	H	155	25
5294.400	40.1	-22.1	34.5	27.70	54.0	13.9	H	155	49
10479.300	40.8	-30.6	38.1	33.36	54.0	13.2	H	155	4
15717.500	38.6	-26.4	40.2	24.77	54.0	15.4	H	155	6
17799.800	39.8	-23.2	41.0	21.99	54.0	14.2	H	155	25
17884.500	38.8	-24.0	40.9	21.91	54.0	15.2	H	155	186

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5292.900	53.8	-22.1	34.5	41.44	74.0	20.2	H	155	22
5293.500	52.2	-22.1	34.5	39.78	74.0	21.8	V	155	44
10482.600	53.3	-30.7	38.1	45.91	74.0	20.7	H	155	0
15726.000	51.1	-26.4	40.2	37.27	74.0	22.9	H	155	0
17746.200	51.8	-24.0	41.0	34.83	74.0	22.2	H	155	22
17813.400	52.5	-23.0	40.9	34.60	74.0	21.5	H	155	176



802.11n-HT20

Channel 36

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5128.100	47.2	-23.2	34.4	35.91	54.0	6.8	H	155	4
5128.300	47.2	-23.2	34.4	35.93	54.0	6.8	H	155	2
10360.500	37.7	-29.8	37.9	29.61	54.0	16.3	H	155	25
15540.400	36.1	-26.3	40.1	22.34	54.0	17.9	H	155	350
17803.100	39.7	-23.1	41.0	21.88	54.0	14.3	H	155	92
17608.600	39.8	-25.8	41.1	24.52	54.0	14.2	H	155	85

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5128.560	60.8	-23.2	34.4	49.50	74.0	13.2	H	155	0
5146.320	60.7	-23.0	34.4	49.20	74.0	13.3	H	155	0
10359.600	50.1	-29.8	37.9	41.96	74.0	23.9	V	155	22
15542.400	49.9	-26.3	40.1	36.16	74.0	24.1	V	155	352
17016.000	52.0	-25.6	41.4	36.17	74.0	22.0	V	155	88
17808.000	52.4	-23.0	41.0	34.46	74.0	21.6	V	155	88



Channel 40

Average:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.400	43.0	-33.0	34.4	41.52	54.0	11.0	H	155	20
5252.000	42.0	-32.4	34.4	39.97	54.0	12.0	H	155	45
10399.000	36.8	-29.6	38.0	28.44	54.0	17.2	H	155	240
15599.800	36.3	-26.4	40.1	22.52	54.0	17.7	H	155	180
17803.100	39.8	-23.1	41.0	21.94	54.0	14.2	H	155	85
17886.700	38.8	-24.0	40.9	21.94	54.0	15.2	H	155	25

Peak:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.700	55.6	-33.0	34.4	54.16	74.0	18.4	H	155	22
5251.500	53.1	-32.4	34.4	51.06	74.0	20.9	H	155	44
10401.600	49.2	-29.6	38.0	40.82	74.0	24.8	H	155	242
15598.200	49.5	-26.4	40.1	35.72	74.0	24.5	H	155	176
17713.800	52.6	-24.6	41.0	36.13	74.0	21.4	H	155	88
17809.800	52.7	-23.0	41.0	34.75	74.0	21.3	V	155	22



Channel 48

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5266.400	42.3	-22.3	34.4	30.17	54.0	11.7	H	155	175
5292.000	42.0	-22.1	34.5	29.64	54.0	12.0	H	155	5
10479.300	37.6	-30.6	38.1	30.16	54.0	16.4	H	155	26
15716.400	37.3	-26.4	40.2	23.47	54.0	16.7	H	155	355
17809.700	39.8	-23.0	41.0	21.85	54.0	14.2	H	155	6
17882.300	38.8	-24.0	40.9	21.88	54.0	15.2	H	155	12

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5274.600	55.3	-22.2	34.4	43.07	74.0	18.7	H	155	176
5292.000	52.4	-22.1	34.5	40.07	74.0	21.6	H	155	0
10478.400	50.7	-30.6	38.1	43.25	74.0	23.3	V	155	22
15706.800	51.3	-26.4	40.2	37.48	74.0	22.7	V	155	352
17766.600	52.3	-23.7	41.0	35.01	74.0	21.7	V	155	0
17806.200	53.3	-23.0	41.0	35.39	74.0	20.7	V	155	0



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Channel 38

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5149.460	46.7	-22.9	34.4	35.16	54.0	7.4	H	155	20
5150.000	46.8	-22.9	34.4	35.30	54.0	7.2	H	155	248
10360.500	36.9	-29.8	37.9	28.77	54.0	17.1	H	155	49
15540.400	37.5	-26.3	40.1	23.72	54.0	16.5	H	155	335
17811.320	40.1	-23.0	41.0	22.17	54.0	13.9	H	155	180
17880.600	39.2	-23.9	40.9	22.25	54.0	14.8	H	155	8

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.140	62.9	-23.0	34.4	51.40	74.0	11.1	H	155	22
5149.640	63.4	-22.9	34.4	51.94	74.0	10.6	H	155	242
17823.000	53.5	-23.2	40.9	35.70	74.0	20.5	V	155	44
17813.400	53.0	-23.0	40.9	35.10	74.0	21.0	H	155	330
17818.800	52.7	-23.1	40.9	34.90	74.0	21.3	H	155	176
17820.600	52.6	-23.1	40.9	34.79	74.0	21.4	H	155	0



Channel 46

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5262.000	49.1	-22.3	34.4	36.98	54.0	4.9	H	155	135
5273.200	43.6	-22.2	34.4	31.45	54.0	10.4	H	155	160
10460.000	37.1	-30.4	38.1	29.41	54.0	16.9	H	155	92
15690.000	37.7	-26.4	40.2	23.91	54.0	16.3	H	155	115
17800.600	39.9	-23.1	41.0	22.08	54.0	14.1	H	155	112
18884.800	40.2	0.0	0.0	40.23	54.0	13.8	H	155	85

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5279.000	59.2	-22.2	34.4	46.92	74.0	14.8	H	155	132
5280.300	58.8	-22.2	34.4	46.50	74.0	15.2	H	155	154
17792.400	53.2	-23.3	41.0	35.49	74.0	20.8	V	155	88
17767.800	52.5	-23.7	41.0	35.16	74.0	21.5	H	155	110
17846.400	52.5	-23.5	40.9	35.02	74.0	21.5	V	155	110
17817.000	52.5	-23.1	40.9	34.60	74.0	21.5	V	155	88

Conclusion: PASS



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Channel 52

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5207.600	42.7	-22.5	34.4	30.78	54.0	11.3	H	155	46
5350.400	37.7	-21.9	34.6	24.99	54.0	16.3	H	155	60
10520.000	40.1	-30.9	38.1	32.90	54.0	13.9	H	155	116
15782.400	37.1	-26.3	40.2	23.21	54.0	16.9	H	155	8
17806.400	39.9	-23.0	41.0	21.99	54.0	14.1	H	155	128
17898.800	38.8	-24.2	40.9	22.11	54.0	15.2	H	155	94

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5207.400	53.3	-22.5	34.4	41.33	74.0	20.7	H	155	44
5366.500	49.1	-22.0	34.6	36.52	74.0	24.9	H	155	66
10517.400	52.7	-31.0	38.1	45.54	74.0	21.3	V	155	110
15766.800	50.7	-26.4	40.2	36.83	74.0	23.3	V	155	0
17804.400	52.6	-23.1	41.0	34.72	74.0	21.4	H	155	132
17895.600	52.3	-24.2	40.9	35.57	74.0	21.7	H	155	88



Channel 56

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5255.700	39.9	-32.4	34.4	37.87	54.0	14.1	H	155	92
5350.200	37.4	-31.9	34.6	34.70	54.0	16.6	H	155	136
10559.600	40.4	-30.2	38.1	32.44	54.0	13.6	H	155	8
15837.400	37.6	-26.2	40.3	23.53	54.0	16.4	H	155	70
17807.500	39.9	-23.0	41.0	21.97	54.0	14.1	H	155	48
17886.700	38.8	-24.0	40.9	21.94	54.0	15.2	H	155	246

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5250.300	58.9	-32.4	34.4	56.92	74.0	15.1	H	155	88
5352.750	49.9	-31.9	34.6	47.23	74.0	24.1	V	155	132
10559.400	50.2	-30.2	38.1	42.27	74.0	23.8	H	155	0
15834.600	50.6	-26.2	40.3	36.54	74.0	23.4	H	155	66
17803.200	52.9	-23.1	41.0	35.04	74.0	21.1	V	155	44
17908.200	52.4	-24.3	40.9	35.85	74.0	21.6	V	155	242



Channel 64

Average:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5351.200	39.1	-21.9	34.6	26.37	54.0	14.9	H	155	226
5372.600	42.7	-22.0	34.6	30.13	54.0	11.3	H	155	92
10639.900	41.0	-29.3	38.2	32.10	54.0	13.0	H	155	70
15956.200	39.5	-25.8	40.4	24.88	54.0	14.5	H	155	8
17805.300	39.9	-23.1	41.0	22.00	54.0	14.1	H	155	48
17885.600	39.0	-24.0	40.9	22.11	54.0	15.0	H	155	246

Peak:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5351.430	61.8	-21.9	34.6	49.11	74.0	12.2	H	155	220
5351.500	61.5	-21.9	34.6	48.81	74.0	12.5	V	155	88
10641.000	50.9	-29.3	38.2	42.06	74.0	23.1	H	155	66
15961.200	53.1	-25.8	40.5	38.45	74.0	20.9	H	155	0
17675.400	51.9	-25.2	41.1	36.04	74.0	22.1	H	155	44
17823.000	52.8	-23.2	40.9	35.04	74.0	21.2	V	155	242



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Channel 52

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5208.000	43.2	-22.5	34.4	31.23	54.0	10.8	H	155	6
5350.800	36.7	-21.9	34.6	23.99	54.0	17.3	H	155	26
10520.000	37.3	-30.9	38.1	30.10	54.0	16.7	H	155	92
15782.400	36.1	-26.3	40.2	22.21	54.0	17.9	H	155	24
17802.000	39.8	-23.1	41.0	21.96	54.0	14.2	H	155	136
17881.200	38.9	-24.0	40.9	21.96	54.0	15.1	H	155	356

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5207.850	54.5	-22.5	34.4	42.57	74.0	19.5	V	155	0
5389.050	50.5	-22.1	34.6	37.92	74.0	23.5	V	155	22
10513.200	48.2	-31.0	38.1	41.12	74.0	25.8	V	155	88
15782.400	48.3	-26.3	40.2	34.41	74.0	25.7	V	155	22
17802.600	53.3	-23.1	41.0	35.45	74.0	20.7	H	155	132
17831.400	52.5	-23.3	40.9	34.86	74.0	21.5	H	155	352



Channel 56

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5212.050	36.9	-32.5	34.4	34.97	54.0	17.1	H	155	20
5353.800	36.4	-31.9	34.6	33.72	54.0	17.6	H	155	18
10559.600	39.8	-30.2	38.1	31.84	54.0	14.2	H	155	90
15836.300	38.4	-26.2	40.3	24.33	54.0	15.6	H	155	114
17802.000	39.9	-23.1	41.0	22.06	54.0	14.1	H	155	36
17886.700	38.9	-24.0	40.9	22.04	54.0	15.1	H	155	2

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5185.500	49.6	-32.4	34.4	47.64	74.0	24.4	H	155	22
5389.500	48.7	-32.1	34.6	46.19	74.0	25.3	H	155	22
10562.400	54.1	-30.1	38.1	46.09	74.0	19.9	H	155	88
15847.200	51.3	-26.2	40.3	37.18	74.0	22.7	V	155	110
17781.000	52.7	-23.5	41.0	35.18	74.0	21.3	V	155	44
17805.000	53.3	-23.1	41.0	35.41	74.0	20.7	H	155	0



Channel 64

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5371.800	47.5	-22.0	34.6	34.89	54.0	6.5	H	155	8
5371.520	47.8	-22.0	34.6	35.17	54.0	6.2	H	155	46
10639.900	39.0	-29.3	38.2	30.15	54.0	15.0	H	155	20
15960.600	37.2	-25.8	40.5	22.56	54.0	16.8	H	155	118
17800.900	39.9	-23.1	41.0	22.07	54.0	14.1	H	155	82
17881.200	38.9	-24.0	40.9	21.96	54.0	15.1	H	155	46

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5371.920	61.9	-22.0	34.6	49.28	74.0	12.1	H	155	0
5372.000	61.6	-22.0	34.6	49.04	74.0	12.4	H	155	44
10639.600	49.5	-29.3	38.2	40.65	74.0	24.5	V	155	22
15960.000	47.8	-25.8	40.5	33.16	74.0	26.2	H	155	110
17805.000	54.0	-23.1	41.0	36.11	74.0	20.0	H	155	88
17825.400	53.3	-23.2	40.9	35.57	74.0	20.7	H	155	44



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Channel 54

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5242.400	48.3	-22.5	34.4	36.37	54.0	5.7	H	155	8
5373.200	37.2	-22.0	34.6	24.61	54.0	16.8	H	155	52
10520.000	38.5	-30.9	38.1	31.32	54.0	15.5	H	155	18
15780.000	38.8	-26.3	40.2	24.91	54.0	15.2	H	155	6
17800.860	39.9	-23.1	41.0	22.06	54.0	14.1	H	155	48
17882.500	40.6	-24.0	40.9	23.64	54.0	13.4	H	155	128

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5242.500	67.3	-22.5	34.4	55.40	74.0	6.7	V	155	0
5358.300	49.3	-21.9	34.6	36.60	74.0	24.7	H	155	44
10528.200	48.2	-30.8	38.1	40.80	74.0	25.8	V	155	22
18000.000	49.2	-24.8	40.8	33.27	74.0	24.8	H	155	0
17999.400	48.3	-24.9	40.8	32.38	74.0	25.7	H	155	44
17998.800	49.0	-24.9	40.8	33.10	74.0	25.0	V	155	132



Channel 62

Average:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.100	46.8	-21.9	34.6	34.13	54.0	7.2	H	155	20
5351.080	46.9	-21.9	34.6	34.17	54.0	7.1	H	155	248
10620.000	39.2	-29.2	38.1	30.22	54.0	14.8	H	155	49
15930.000	38.7	-25.9	40.4	24.19	54.0	15.3	H	155	82
17806.900	40.0	-23.0	41.0	22.06	54.0	14.0	H	155	168
17882.900	40.4	-24.0	40.9	23.51	54.0	13.6	H	155	8

Peak:

Frequency (MHz)	Meas. Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5353.700	61.1	-21.9	34.6	48.43	74.0	12.9	H	155	22
5354.770	61.1	-21.9	34.6	48.45	74.0	12.9	V	155	242
17805.600	53.5	-23.1	41.0	35.56	74.0	20.5	H	155	44
17812.200	53.3	-23.0	40.9	35.43	74.0	20.7	V	155	88
17797.800	53.1	-23.2	41.0	35.29	74.0	20.9	V	155	176
16691.400	52.9	-26.1	41.4	37.60	74.0	21.1	V	155	0

Conclusion: PASS



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Channel 100

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5452.480	46.5	-22.0	34.7	33.76	54.0	7.5	H	155	8
5453.920	46.5	-22.0	34.7	33.77	54.0	7.5	H	155	28
11000.000	34.4	-30.2	38.2	26.43	54.0	19.6	H	155	6
16500.000	37.6	-26.0	41.1	22.51	54.0	16.4	H	155	278
17745.900	39.0	-24.0	41.0	22.08	54.0	15.0	H	155	122
17806.400	40.4	-23.0	41.0	22.49	54.0	13.6	H	155	245

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5457.080	61.3	-22.0	34.7	48.59	74.0	12.7	V	155	0
5459.200	60.8	-22.0	34.7	48.10	74.0	13.2	V	155	22
17808.600	53.8	-23.0	41.0	35.81	74.0	20.2	H	155	0
17817.600	52.8	-23.1	40.9	34.93	74.0	21.2	H	155	264
17809.800	52.8	-23.0	41.0	34.82	74.0	21.2	H	155	110
17799.000	52.7	-23.2	41.0	34.88	74.0	21.3	H	155	242



Channel 120

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5451.600	36.5	-32.0	34.7	33.78	54.0	17.5	H	155	86
5726.000	36.2	-33.0	34.9	34.26	54.0	17.8	H	155	107
11200.000	34.8	-30.1	38.4	26.56	54.0	19.2	H	155	130
16800.000	37.7	-26.2	41.5	22.42	54.0	16.3	H	155	152
17802.600	40.3	-23.1	41.0	22.47	54.0	13.7	H	155	174
17822.300	40.4	-23.2	40.9	22.64	54.0	13.6	H	155	195

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5452.650	50.0	-32.0	34.7	47.24	74.0	24.0	V	155	88
5751.500	49.8	-32.9	34.9	47.74	74.0	24.2	H	155	110
17810.400	52.9	-23.0	41.0	34.95	74.0	21.1	V	155	132
17824.800	52.6	-23.2	40.9	34.87	74.0	21.4	H	155	154
17760.000	52.5	-23.8	41.0	35.30	74.0	21.5	V	155	176
17778.600	52.4	-23.5	41.0	34.96	74.0	21.6	V	155	198



Channel 140

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.008	46.8	-23.0	34.9	34.87	54.0	7.2	H	155	175
5726.000	46.3	-23.0	34.9	34.38	54.0	7.7	H	155	194
11400.000	34.7	-30.2	38.6	26.34	54.0	19.3	H	155	215
17100.000	38.4	-25.5	41.3	22.52	54.0	15.6	H	155	196
17811.900	40.4	-23.0	41.0	22.44	54.0	13.6	H	155	241
17809.200	40.3	-23.0	41.0	22.37	54.0	13.7	H	155	259

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.168	62.8	-23.0	34.9	50.88	74.0	11.2	V	155	176
5725.776	61.9	-23.0	34.9	50.03	74.0	12.1	H	155	198
17821.800	53.4	-23.2	40.9	35.59	74.0	20.6	V	155	220
17805.000	53.0	-23.1	41.0	35.15	74.0	21.0	H	155	198
17792.400	52.6	-23.3	41.0	34.94	74.0	21.4	H	155	242
17822.400	52.5	-23.2	40.9	34.72	74.0	21.5	V	155	264



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Channel 100

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.680	47.4	-22.0	34.7	34.69	54.0	6.6	H	155	40
5459.960	47.4	-22.0	34.7	34.69	54.0	6.6	H	155	65
11000.000	34.5	-30.2	38.2	26.44	54.0	19.5	H	155	84
16500.000	37.6	-26.0	41.1	22.51	54.0	16.4	H	155	107
17800.500	40.2	-23.1	41.0	22.42	54.0	13.8	H	155	135
17826.600	40.3	-23.2	40.9	22.62	54.0	13.7	H	155	151

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5454.540	67.2	-22.0	34.7	54.44	74.0	6.8	V	155	44
5459.880	67.4	-22.0	34.7	54.67	74.0	6.6	H	155	66
17817.000	53.1	-23.1	40.9	35.22	74.0	20.9	H	155	88
17812.200	53.0	-23.0	40.9	35.08	74.0	21.0	V	155	110
17815.800	52.5	-23.1	40.9	34.66	74.0	21.5	V	155	132
17776.200	52.5	-23.5	41.0	35.08	74.0	21.5	H	155	154



Channel 120

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5455.200	36.6	-32.0	34.7	33.89	54.0	17.4	H	155	6
5726.400	36.2	-33.0	34.9	34.30	54.0	17.8	H	155	48
11200.000	35.0	-30.1	38.4	26.72	54.0	19.0	H	155	92
16800.000	37.8	-26.2	41.5	22.48	54.0	16.2	H	155	48
17815.300	40.3	-23.1	40.9	22.46	54.0	13.7	H	155	68
17802.900	40.2	-23.1	41.0	22.37	54.0	13.8	H	155	92

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5468.400	49.1	-32.1	34.8	46.44	74.0	24.9	H	155	0
5743.950	48.8	-32.9	34.9	46.80	74.0	25.2	H	155	44
17808.600	52.8	-23.0	41.0	34.82	74.0	21.2	V	155	88
17809.200	52.8	-23.0	41.0	34.80	74.0	21.2	V	155	44
17768.400	52.6	-23.7	41.0	35.24	74.0	21.4	V	155	66
17818.200	52.6	-23.1	40.9	34.73	74.0	21.4	H	155	88



Channel 140

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.008	46.9	-23.0	34.9	34.97	54.0	7.1	H	155	24
5725.776	46.1	-23.0	34.9	34.18	54.0	7.9	H	155	336
11400.000	34.8	-30.2	38.6	26.46	54.0	19.2	H	155	248
17100.000	38.5	-25.5	41.3	22.68	54.0	15.5	H	155	268
17802.600	40.4	-23.1	41.0	22.55	54.0	13.6	H	155	290
17812.700	40.3	-23.0	40.9	22.38	54.0	13.7	H	155	300

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.200	64.1	-23.0	34.9	52.16	74.0	9.9	H	155	22
5725.840	63.2	-23.0	34.9	51.24	74.0	10.8	H	155	330
17787.000	53.2	-23.4	41.0	35.63	74.0	20.8	H	155	242
17801.400	52.8	-23.1	41.0	34.95	74.0	21.2	V	155	264
17826.000	52.8	-23.2	40.9	35.06	74.0	21.2	V	155	286
17776.200	52.6	-23.5	41.0	35.16	74.0	21.4	V	155	308



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Channel 102

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.380	46.8	-22.0	34.7	34.09	54.0	7.2	H	155	8
5460.000	46.9	-22.0	34.7	34.20	54.0	7.1	H	155	28
11020.000	34.7	-30.4	38.2	26.86	54.0	19.3	H	155	119
16530.000	37.5	-26.0	41.1	22.29	54.0	16.5	H	155	146
17808.600	40.4	-23.0	41.0	22.49	54.0	13.6	H	155	76
17796.500	40.2	-23.2	41.0	22.49	54.0	13.8	H	155	94

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5457.780	64.0	-22.0	34.7	51.31	74.0	10.0	H	155	0
5459.960	62.0	-22.0	34.7	49.31	74.0	12.0	H	155	22
17812.800	53.7	-23.0	40.9	35.77	74.0	20.3	H	155	110
17797.800	53.3	-23.2	41.0	35.53	74.0	20.7	V	155	132
17804.400	52.6	-23.1	41.0	34.73	74.0	21.4	V	155	66
17800.200	52.6	-23.1	41.0	34.78	74.0	21.4	V	155	88



Channel 134

Average:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5275.808	46.4	-22.2	34.4	34.18	54.0	7.6	H	155	48
5734.800	46.3	-23.0	34.9	34.36	54.0	7.7	H	155	6
11340.000	34.9	-30.3	38.5	26.66	54.0	19.1	H	155	312
17010.000	38.3	-25.6	41.4	22.44	54.0	15.7	H	155	48
17885.600	39.9	-24.0	40.9	23.02	54.0	14.1	H	155	68
17816.300	40.2	-23.1	40.9	22.37	54.0	13.8	H	155	80

Peak:

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5733.936	60.5	-23.0	34.9	48.58	74.0	13.5	H	155	44
5741.200	60.7	-22.9	34.9	48.72	74.0	13.3	H	155	0
17815.200	53.2	-23.1	40.9	35.37	74.0	20.8	V	155	308
17741.400	52.7	-24.1	41.0	35.85	74.0	21.3	H	155	44
17821.800	52.6	-23.2	40.9	34.87	74.0	21.4	V	155	66
17789.400	52.5	-23.3	41.0	34.86	74.0	21.5	H	155	88

Conclusion: PASS

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