International Certification Corp.
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Tel: 886-3-271-8666 Fax: 886-3-318-0155

FCC Test Report

FCC ID	:	**VQK-F07E**
Equipment	:	**Mobile Phone**
Model No.	:	**F-07E**
Brand Name	:	**Xi**
Applicant	:	**FUJITSU LIMITED**
Address	:	**1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki 211-8588, Japan**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Apr. 09, 2013**
Tested Date	:	**May 06 ~ May 17, 2013**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:

Gary Chang / Manager

Testing Laboratory
2732

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Release Record

Report No.	Version	Description	Issued Date
FR331905AN	Rev. 01	Initial issue	May 30, 2013

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.159MHz 52.36 (Margin 13.16dB) - QP	Pass
15.407(b)(1)(2)(3) 15.209	Radiated Emissions	[dBuV/m at 3m]: 10600MHz 52.95 (Margin 1.05dB) - AV	Pass
15.407(a)(1)(2)(3)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(a)(1)(2)(3)	RF Output Power	Power [dBm]: 5150~5250 MHz:10.68 5250~5350 MHz:10.53 5470~5725 MHz:10.06	Pass
15.407(a)(1)(2)(3)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(a)(6)	Peak Excursion	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Product Details

Product Name	Mobile Phone
Brand Name	Xi
Model Name	F-07E
IMEI Code	355277050011449 & 355277050017248
H/W Version	V2.1.0
S/W Version	R13.1e

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
IEEE Std. 802.11	**Frequency Range (MHz)**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
a	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	6-54 Mbps
n (HT20)	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	MCS 0-7
ac (VHT20)	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	MCS 0-8
n (HT40)	5150-5250 5250-5350 5470-5725	5190-5230 5270-5310 5510-5670	38-46 [2] 54-62 [2] 102-134 [3]	1	MCS 0-7
ac (VHT40)	5150-5250 5250-5350 5470-5725	5190-5230 5270-5310 5510-5670	38-46 [2] 54-62 [2] 102-134 [3]	1	MCS 0-8
ac (VHT80)	5150-5250 5250-5350 5470-5725	5210 5290 5530	42 [1] 58 [1] 106 [1]	1	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: IEEE802.11ac is draft version.					

1.1.3 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remark
1	λ/4 Monopole	-7.3	-	-

1.1.4 EUT Operational Condition

Supply Voltage	☒ AC mains	☒ DC	
Type of DC Source	☐ Internal DC supply	☒ External DC adapter	☒ Battery
Operational Voltage	☒ Vnom (3.9 V)	☒ Vmax (4.29 V)	☒ Vmin (3.51 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (55°C)	☒ Tmin (-30°C)

1.1.5 Accessories

Accessories		
No.	**Equipment**	**Description**
1	Cradle	Brand Name: Fujitsu limited Model Name: CA50601-1801 Power Rating: O/P: 5Vdc, 1.5A
2	Battery	Brand Name: Fujitsu limited Model Name: CA54310-0045 Power Rating: O/P: 3.8Vdc, 2600mA

1.1.6 Channel List

802.11 a / HT20 / VHT20		**HT40 / VHT40**	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	134	5670
64	5320	**VHT 80**	
100	5500	42	5210
104	5520	58	5290
108	5540	106	5530
112	5560	-	-
116	5580	-	-
132	5660	-	-
136	5680	-	-
140	5700	-	-

1.1.7 Test Tool and Duty Cycle

Test Tool	QRCT, Ver 3.0.7.0		
Duty Cycle and Duty Factor	**Mode**	**Duty cycle (%)**	**Duty factor (dB)**
	11a	87.97%	0.56
	HT20	88.78%	0.52
	HT40	87.77%	0.57
	VHT20	84.03%	0.76
	VHT40	84.85%	0.71
	VHT80	85.00%	0.71

1.1.8 Power Setting

Channel	Frequency(MHz)	11a	HT20	VHT20
CH 36	5180	13 / -1	12 / 5	14 / -1
CH 40	5200	13 / -1	12 / 6	14 / -1
CH 48	5240	13 / -1	13 / -2	14 / -4
CH 52	5260	13 / -1	13 / -1	14 / -3
CH 60	5300	13 / 0	13 / 0	14 / 0
CH 64	5320	13 / 0	13 / 1	14 / -1
CH 100	5500	12 / 3	12 / 2	14 / 5
CH 116	5580	13 / -5	12 / 2	14 / -4
CH 140	5700	13 / 0	13 / 0	14 / 1

Channel	Frequency(MHz)	HT40	VHT40	VHT80
CH 38	5190	14 / 0	14 / 1	-
CH 46	5230	14 / 1	14 / 2	-
CH 54	5270	14 / 1	14 / 1	-
CH 62	5310	14/ 3	14 / 3	-
CH 102	5510	13 / 6	14 / -1	-
CH 110	5550	13 / 6	14 / -1	-
CH 134	5670	14/ 1	14 / 1	-
CH 42	5210	-	-	14 / 4
CH 58	5290	-	-	14 / 4
CH 106	5530	-	-	14 / 2

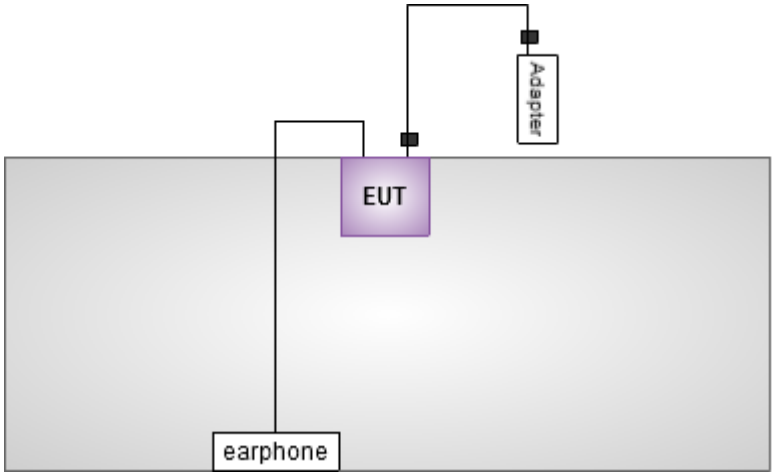
1.2 Local Support Equipment List

Support Equipment List						
No.	**Equipment**	**Brand**	**Model**	**S/N**	**FCC ID**	**Signal cable / Length (m)**
1	Adapter	NTT docomo	AC Adaptor 04	---	---	---
2	Earphone	APPLE	MD827FE/A	---	---	1.2m non-shielded w/o core

Note: Item 1 was provided by client.

1.3 Test Setup Chart

Test Setup Diagram



1.4 The Equipment List

EMI	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
EMC Receiver	R&S	ESCS 30	100169	Dec. 12, 2012	Dec. 11, 2013
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Dec. 04, 2012	Dec. 03, 2013
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2012	Dec. 03, 2013
ISN	TESEQ	ISN T800	23342	Feb. 17, 2013	Feb. 16, 2014
ISN	TESEQ	ISN T400	21653	Jun. 22, 2012	Jun. 21, 2013
ISN	TESEQ	ISN T8-Cat6	27262	Sep. 17, 2012	Sep. 16, 2013
ISN	TESEQ	ISN ST08	22589	Jan. 24, 2013	Jan. 23, 2014
RF Current Probe	FCC	F-33-4	121630	Dec. 04, 2012	Dec. 03, 2013
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 25, 2012	Dec. 24, 2013
ESH3-Z6 V-Network	R&S	ESH3-Z6	100920	Nov. 21, 2012	Nov. 20, 2013
Note: Calibration Interval of instruments listed above is one year.					

EMI	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
3m semi-anechoic chamber	RIKEN	SAC-03	03CH01-WS	Jan. 04, 2013	Jan. 03, 2014
Amplifier	Burgeon	BPA-530	100219	Nov. 28, 2012	Nov. 27, 2013
Amplifier	Agilent	83017A	MY39501308	Dec. 18, 2012	Dec. 17, 2013
Bilog Antenna	ScHwarzbeck	VULB9168	VULB9168-522	Jan. 11, 2013	Jan. 10, 2014
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 18, 2013	Feb. 17, 2014
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Jan. 14, 2013	Jan. 13, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R03m	Woken	CFD400NL-LW	CFD400NL-001	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R10m	Woken	CFD400NL-LW	CFD400NL-002	Dec. 25, 2012	Dec. 24, 2013
Spectrum Analyzer	R&S	FSV40	101498	Jan. 24, 2013	Jan. 23, 2014
Receiver	ROHDE&SCHWARZ	ESR3	101658	Jan. 30, 2013	Jan. 29, 2014
control	EM Electronics	EM1000	60612	N/A	N/A
Note: Calibration Interval of instruments listed above is one year.					

RF	RF Conducted				
Test Site	RF Conducted (TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV 40	101486	Nov. 14, 2012	Nov. 13, 2013
Spectrum Analyzer	R&S	FSP 40	100593	Aug. 14, 2012	Aug. 13, 2013
DC Power Source	G.W.	GPC-6030D	C671845	Jun. 19, 2012	Jun. 18, 2013
AC Power Source	G.W	APS-9102	EL920581	Jul. 02, 2012	Jul. 01, 2013
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	Nov. 21, 2012	Nov. 20, 2013
Signal Generator	R&S	SMR40	100116	Jun. 26, 2012	Jun. 25, 2013
Power Sensor	Anritsu	MA2411B	1027452	Sep. 08, 2012	Sep. 07, 2013
Power Meter	Anritsu	ML2495A	1124009	Sep. 08, 2012	Sep. 07, 2013
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	NA	NA
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345669/4	NA	NA

1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407
ANSI C63.10-2009
FCC KDB 412172
FCC KDB 789033 D01 General UNII Test procedures v01r03
FCC KDB 662911 D01 Multiple Transmitter Output v01r02

Note: The EUT has been tested and complied with FCC part 15B requirement. FCC Part 15B test results are issued to another report.

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±74.147 Hz
Conducted power	±0.717 dB
Power density	±2.687 dB
Frequency error	±74.147 Hz
Temperature	±0.3 ^{o}C
AC conducted emission	±2.43 dB
Radiated emission	±2.49 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	20°C / 53%	Skys Huang
Radiated Emissions	03CH01-WS	25°C / 65%	Aska Huang
RF Conducted	TH01-WS	25°C / 64%	Brad Wu

- FCC site registration No.: 657002
- IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test channel
Conducted Emissions Radiated Emissions <1GHz	11a	5240
RF Output Power	11a HT20 HT40 VHT20 VHT40 VHT80	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230/ 5270 / 5310 / 5510 / 5550 / 5670 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230/ 5270 / 5310 / 5510 / 5550 / 5670 5210 / 5290 / 5530
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a HT20 HT 40 VHT 80	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230/ 5270 / 5310 / 5510 / 5550 / 5670 5210 / 5290 / 5530
Peak Excursion	11a HT20 HT40 VHT20 VHT40 VHT80	5240 / 5260 / 5700 5240 / 5320 / 5700 5230 / 5310 / 5670 5180 / 5320 / 5700 5230 / 5310 / 5670 5210 / 5290 / 5530
Frequency Stability	Un-modulation	5320

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. Adapter and cradle had been pretested and found adapter was the worst case and was selected for final test

3 Transmitter Test Results

3.1 Conducted Emissions

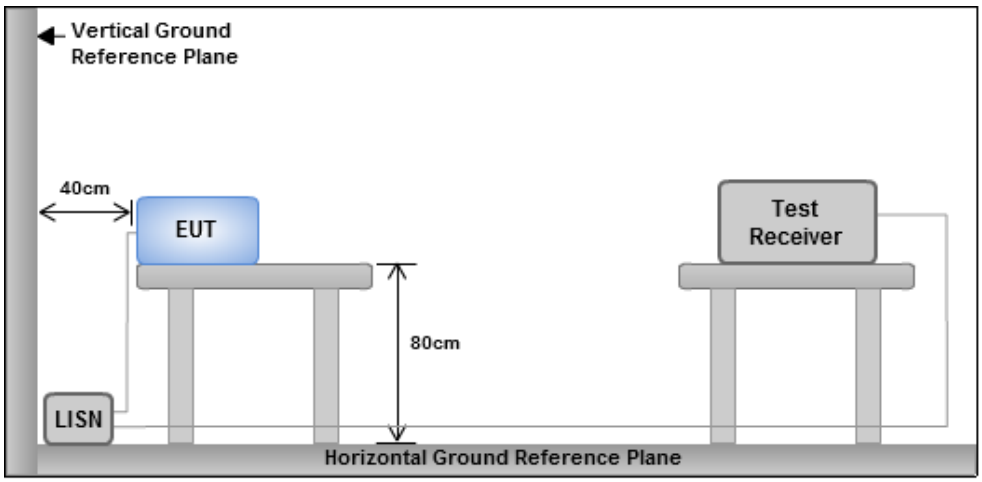
3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.

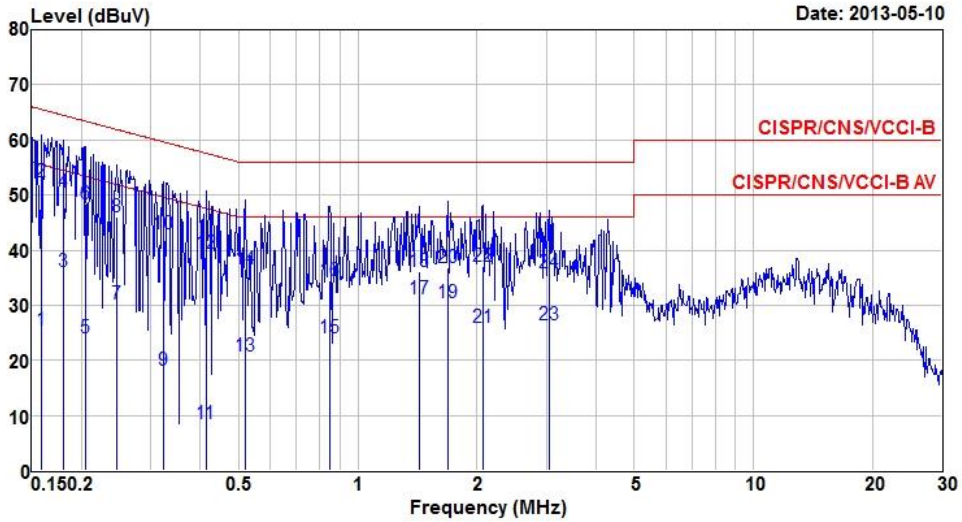
3.1.3 Test Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

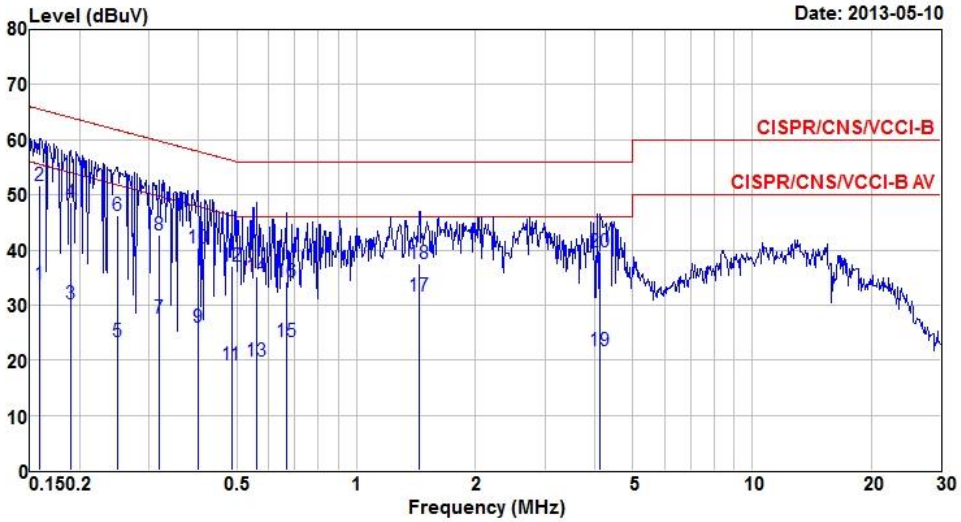
Power Phase	Line	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link (11a)		



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.159	25.58	55.52	-29.94	25.45	0.05	0.08	Average
2	0.159	52.36	65.52	-13.16	52.23	0.05	0.08	QP
3	0.180	36.04	54.50	-18.46	35.85	0.05	0.14	Average
4	0.180	50.48	64.50	-14.02	50.29	0.05	0.14	QP
5	0.205	24.09	53.40	-29.31	23.86	0.05	0.18	Average
6	0.205	48.48	63.40	-14.92	48.25	0.05	0.18	QP
7	0.246	30.29	51.91	-21.62	30.10	0.05	0.14	Average
8	0.246	45.93	61.91	-15.98	45.74	0.05	0.14	QP
9	0.322	18.23	49.66	-31.43	18.08	0.06	0.09	Average
10	0.322	42.90	59.66	-16.76	42.75	0.06	0.09	QP
11	0.413	8.39	47.59	-39.20	8.27	0.07	0.05	Average
12	0.413	39.36	57.59	-18.23	39.24	0.07	0.05	QP
13	0.521	20.70	46.00	-25.30	20.57	0.08	0.05	Average
14	0.521	36.64	56.00	-19.36	36.51	0.08	0.05	QP
15	0.848	24.12	46.00	-21.88	23.95	0.13	0.04	Average
16	0.848	34.40	56.00	-21.60	34.23	0.13	0.04	QP
17	1.433	31.28	46.00	-14.72	31.00	0.18	0.10	Average
18	1.433	36.22	56.00	-19.78	35.94	0.18	0.10	QP
19	1.689	30.42	46.00	-15.58	30.10	0.19	0.13	Average
20	1.689	36.89	56.00	-19.11	36.57	0.19	0.13	QP
21	2.066	25.99	46.00	-20.01	25.62	0.21	0.16	Average
22	2.066	37.05	56.00	-18.95	36.68	0.21	0.16	QP
23	3.041	26.56	46.00	-19.44	26.16	0.19	0.21	Average
24	3.041	35.97	56.00	-20.03	35.57	0.19	0.21	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

Power Phase	Neutral	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link (11a)		



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.159	33.66	55.52	-21.86	33.54	0.04	0.08	Average
2	0.159	51.73	65.52	-13.79	51.61	0.04	0.08	QP
3	0.190	30.28	54.02	-23.74	30.08	0.04	0.16	Average
4	0.190	48.67	64.02	-15.35	48.47	0.04	0.16	QP
5	0.249	23.40	51.78	-28.38	23.22	0.04	0.14	Average
6	0.249	46.26	61.78	-15.52	46.08	0.04	0.14	QP
7	0.318	27.57	49.75	-22.18	27.43	0.05	0.09	Average
8	0.318	42.76	59.75	-16.99	42.62	0.05	0.09	QP
9	0.398	26.01	47.90	-21.89	25.89	0.07	0.05	Average
10	0.398	40.25	57.90	-17.65	40.13	0.07	0.05	QP
11	0.484	19.02	46.27	-27.25	18.89	0.08	0.05	Average
12	0.484	37.06	56.27	-19.21	36.93	0.08	0.05	QP
13	0.561	19.92	46.00	-26.08	19.78	0.09	0.05	Average
14	0.561	35.18	56.00	-20.82	35.04	0.09	0.05	QP
15	0.668	23.31	46.00	-22.69	23.10	0.17	0.04	Average
16	0.668	34.13	56.00	-21.87	33.92	0.17	0.04	QP
17	1.441	31.67	46.00	-14.33	31.40	0.17	0.10	Average
18	1.441	37.49	56.00	-18.51	37.22	0.17	0.10	QP
19	4.114	21.63	46.00	-24.37	21.24	0.15	0.24	Average
20	4.114	39.59	56.00	-16.41	39.20	0.15	0.24	QP

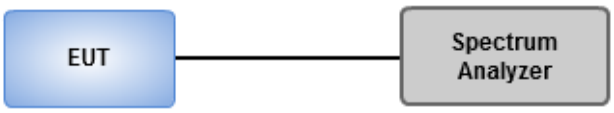
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

3.2 Emission Bandwidth

3.2.1 Test Procedures

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

3.2.2 Test Setup



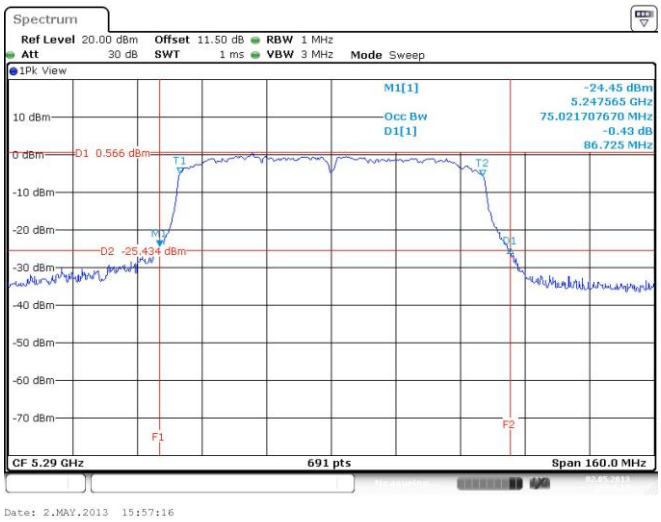
3.2.3 Test Result of Emission Bandwidth

Condition		Emission Bandwidth (MHz)					
N_{TX}	Freq. (MHz)	26dB Bandwidth		99% Bandwidth		Power Limit	
		11a	HT20	11a	HT20	26dB BW	99% BW
1	5180	22.14	22.72	17.13	18.12	17	16.34
1	5200	22.38	22.84	17.19	18.12	17	16.35
1	5240	22.49	22.78	17.13	18.12	17	16.34
1	5260	22.14	22.49	17.19	18.12	24	23.35
1	5300	22.38	22.61	17.13	18.12	24	23.34
1	5320	22.20	22.67	17.19	18.12	24	23.35
1	5500	22.20	22.84	17.19	18.12	24	23.35
1	5580	22.14	22.55	17.13	18.12	24	23.34
1	5700	22.32	22.84	17.19	18.12	24	23.35

Condition		Emission Bandwidth (MHz)			
N_{TX}	Freq. (MHz)	26dB Bandwidth	99% Bandwidth	Power Limit	
		HT40	HT40	26dB BW	99% BW
1	5190	48.58	37.16	17	17
1	5230	45.57	37.05	17	17
1	5270	45.68	37.05	24	24
1	5310	47.30	37.16	24	24
1	5510	48.81	37.28	24	24
1	5550	47.65	37.05	24	24
1	5670	49.51	37.28	24	24

Condition		Emission Bandwidth (MHz)			
N_{TX}	Freq. (MHz)	26dB Bandwidth	99% Bandwidth	Power Limit	
		VHT80	VHT80	26dB BW	99% BW
1	5210	85.80	75.02	17	17
1	5290	86.73	75.02	24	24
1	5530	86.49	75.25	24	24

Worst Plots


Spectrum
Ref Level 20.00 dBm Offset 11.50 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Sweep
1Pk View
M1[1]
-24.45 dBm
5.247565 GHz
Occ Bw
D1[1]
75.021707670 MHz
-0.43 dB
86.725 MHz
10 dBm
0 dBm
D1 0.566 dBm
-10 dBm
-20 dBm
D2 -25.434 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
T1
T2
F1
F2
CF 5.29 GHz
691 pts
Span 160.0 MHz
Date: 2.MAY.2013 15:57:16

3.3 RF Output Power

3.3.1 Limit of RF Output Power

	Frequency Band (GHz)	Limit
☒	5.15~5.25	50mW or 4dBm+10 log B
☒	5.25~5.35	250mW or 11dBm+10 log B
☒	5.47~5.725	250mW or 11dBm+10 log B
Note: “B” is the 26dB emission bandwidth in MHz.		

3.3.2 Test Procedures

☒ **Power meter**

☒ Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required

3.3.3 Test Setup

3.3.4 Test Result of Maximum Conducted Output Power

Condition		RF Output Power (dBm)			
N_{TX}	Freq. (MHz)	11a	HT20	VHT20	PowerLimit
1	5180	10.32	10.15	8.74	17
1	5200	10.35	10.28	8.64	17
1	5240	10.68	10.39	8.36	17
1	5260	10.53	10.46	8.46	24
1	5300	10.51	10.35	8.98	24
1	5320	10.31	10.49	9.14	24
1	5500	9.55	9.36	8.11	24
1	5580	9.52	9.86	8.23	24
1	5700	9.94	10.06	8.33	24

Condition		RF Output Power (dBm)		
N_{TX}	Freq. (MHz)	HT40	VHT40	PowerLimit
1	5190	8.81	8.91	17
1	5230	9.54	9.34	17
1	5270	9.23	9.21	24
1	5310	9.46	9.41	24
1	5510	8.08	8.45	24
1	5550	7.52	7.65	24
1	5670	8.51	8.51	24

Condition		RF Output Power (dBm)		
N_{TX}	Freq. (MHz)	VHT80	-	PowerLimit
1	5190	9.31	-	17
1	5230	10.02	-	24
1	5270	9.13	-	24

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

	Frequency Band (GHz)	Limit (dBm)
☒	5.15~5.25	4
☒	5.25~5.35	11
☒	5.47~5.725	11

3.4.2 Test Procedures

☐ Method SA-1

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

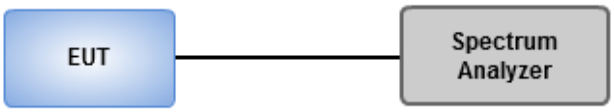
☐ Method SA-2

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (symbol period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.

☒ Method SA-2 Alternative

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	1	5180	-4.00	0.56	-3.44	4
11a	1	5200	-4.13	0.56	-3.57	4
11a	1	5240	-3.42	0.56	-2.86	4
11a	1	5260	-3.45	0.56	-2.89	11
11a	1	5300	-3.34	0.56	-2.78	11
11a	1	5320	-3.41	0.56	-2.85	11
11a	1	5500	-3.89	0.56	-3.33	11
11a	1	5580	-4.09	0.56	-3.53	11
11a	1	5700	-3.90	0.56	-3.34	11

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
HT20	1	5180	-4.32	0.52	-3.80	4
HT20	1	5200	-4.15	0.52	-3.63	4
HT20	1	5240	-3.79	0.52	-3.27	4
HT20	1	5260	-3.67	0.52	-3.15	11
HT20	1	5300	-3.55	0.52	-3.03	11
HT20	1	5320	-3.36	0.52	-2.84	11
HT20	1	5500	-4.33	0.52	-3.81	11
HT20	1	5580	-4.13	0.52	-3.61	11
HT20	1	5700	-4.09	0.52	-3.57	11

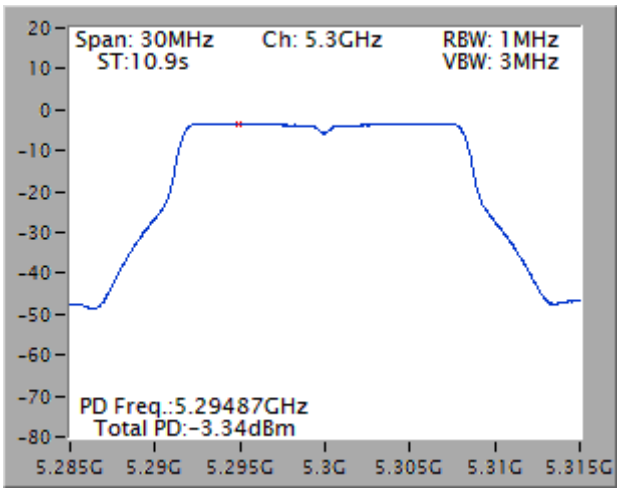
Note: D.F is duty factor

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
HT40	1	5190	-8.73	0.57	-8.16	4
HT40	1	5230	-7.76	0.57	-7.19	4
HT40	1	5270	-7.72	0.57	-7.15	11
HT40	1	5310	-7.28	0.57	-6.71	11
HT40	1	5510	-8.57	0.57	-8.00	11
HT40	1	5550	-9.17	0.57	-8.60	11
HT40	1	5670	-8.32	0.57	-7.75	11

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
VHT80	1	5210	-10.48	0.71	-9.77	4
VHT80	1	5290	-10.87	0.71	-10.16	11
VHT80	1	5530	-11.05	0.71	-10.34	11

Note: D.F is duty factor

Worst Plots



Note: Power density plot without duty factor

3.5 Peak Excursion

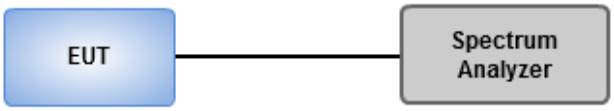
3.5.1 Peak Excursion Limit

Peak excursion of the modulation envelope shall not exceed 13 dB across any 1 MHz bandwidth.

3.5.2 Test Procedures

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = peak.
2. Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak search function to find the peak of the spectrum.
4. Use the procedure of section 3.4.2 to measure the PPSD.
5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD

3.5.3 Test Setup



3.5.4 Test Result of Peak Excursion

Frequency band(MHz)		5150~5250					
Mode	Modulation Mode	N_{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5240	9.07	0.56	8.51	13
11a	QPSK	1	5240	10.52	1.03	9.49	13
11a	16QAM	1	5240	11.89	1.85	10.04	13
11a	64QAM	1	5240	13.36	3.02	10.34	13
HT20	BPSK	1	5240	9.12	0.52	8.60	13
HT20	QPSK	1	5240	9.82	1.09	8.73	13
HT20	16QAM	1	5240	11.58	1.82	9.76	13
HT20	64QAM	1	5240	12.79	2.90	9.89	13
HT40	BPSK	1	5230	10.30	0.57	9.73	13
HT40	QPSK	1	5230	10.45	1.04	9.41	13
HT40	16QAM	1	5230	11.04	1.74	9.30	13
HT40	64QAM	1	5230	12.12	2.70	9.42	13
VHT20	BPSK	1	5180	8.83	0.76	8.07	13
VHT20	QPSK	1	5180	9.53	1.38	8.15	13
VHT20	16QAM	1	5180	9.92	2.27	7.65	13
VHT20	64QAM	1	5180	11.65	3.39	8.26	13
VHT20	256QAM	1	5180	11.72	3.77	7.95	13
VHT40	BPSK	1	5230	9.38	0.71	8.67	13
VHT40	QPSK	1	5230	11.59	1.33	10.26	13
VHT40	16QAM	1	5230	10.67	2.01	8.66	13
VHT40	64QAM	1	5230	10.62	2.80	7.82	13
VHT40	256QAM	1	5230	10.77	3.25	7.52	13
VHT80	BPSK	1	5210	10.15	0.71	9.44	13
VHT80	QPSK	1	5210	9.27	1.28	7.99	13
VHT80	16QAM	1	5210	9.55	1.84	7.71	13
VHT80	64QAM	1	5210	9.63	2.39	7.24	13
VHT80	256QAM	1	5210	9.51	2.51	7.00	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

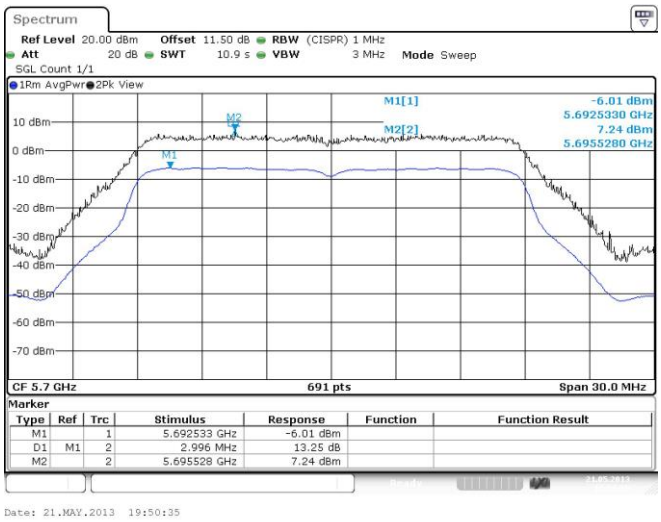
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N_{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5260	8.77	0.56	8.21	13
11a	QPSK	1	5260	10.13	1.03	9.10	13
11a	16QAM	1	5260	11.35	1.85	9.50	13
11a	64QAM	1	5260	12.65	3.02	9.63	13
HT20	BPSK	1	5320	10.39	0.52	9.87	13
HT20	QPSK	1	5320	10.26	1.09	9.17	13
HT20	16QAM	1	5320	11.81	1.82	9.99	13
HT20	64QAM	1	5320	12.25	2.90	9.35	13
HT40	BPSK	1	5310	9.17	0.57	8.60	13
HT40	QPSK	1	5310	10.11	1.04	9.07	13
HT40	16QAM	1	5310	11.39	1.74	9.65	13
HT40	64QAM	1	5310	11.47	2.70	8.77	13
VHT20	BPSK	1	5320	8.92	0.76	8.16	13
VHT20	QPSK	1	5320	9.56	1.38	8.18	13
VHT20	16QAM	1	5320	10.17	2.27	7.90	13
VHT20	64QAM	1	5320	11.98	3.39	8.59	13
VHT20	256QAM	1	5320	11.58	3.77	7.81	13
VHT40	BPSK	1	5310	9.39	0.71	8.68	13
VHT40	QPSK	1	5310	11.6	1.33	10.27	13
VHT40	16QAM	1	5310	10.65	2.01	8.64	13
VHT40	64QAM	1	5310	10.49	2.80	7.69	13
VHT40	256QAM	1	5310	10.87	3.25	7.62	13
VHT80	BPSK	1	5290	9.15	0.71	8.44	13
VHT80	QPSK	1	5290	9.30	1.28	8.02	13
VHT80	16QAM	1	5290	9.40	1.84	7.56	13
VHT80	64QAM	1	5290	9.70	2.39	7.31	13
VHT80	256QAM	1	5290	9.46	2.51	6.95	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N_{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5700	8.98	0.56	8.42	13
11a	QPSK	1	5700	10.19	1.03	9.16	13
11a	16QAM	1	5700	11.45	1.85	9.60	13
11a	64QAM	1	5700	12.32	3.02	9.30	13
HT20	BPSK	1	5700	10.03	0.52	9.51	13
HT20	QPSK	1	5700	10.85	1.09	9.76	13
HT20	16QAM	1	5700	11.52	1.82	9.70	13
HT20	64QAM	1	5700	13.25	2.90	10.35	13
HT40	BPSK	1	5670	9.31	0.57	8.74	13
HT40	QPSK	1	5670	10.15	1.04	9.11	13
HT40	16QAM	1	5670	11.12	1.74	9.38	13
HT40	64QAM	1	5670	11.42	2.70	8.72	13
VHT20	BPSK	1	5700	8.85	0.76	8.09	13
VHT20	QPSK	1	5700	9.52	1.38	8.14	13
VHT20	16QAM	1	5700	10.56	2.27	8.29	13
VHT20	64QAM	1	5700	12.03	3.39	8.64	13
VHT20	256QAM	1	5700	11.41	3.77	7.64	13
VHT40	BPSK	1	5670	9.36	0.71	8.65	13
VHT40	QPSK	1	5670	11.65	1.33	10.32	13
VHT40	16QAM	1	5670	10.75	2.01	8.74	13
VHT40	64QAM	1	5670	10.71	2.80	7.91	13
VHT40	256QAM	1	5670	10.87	3.25	7.62	13
VHT80	BPSK	1	5530	8.88	0.71	8.17	13
VHT80	QPSK	1	5530	9.05	1.28	7.77	13
VHT80	16QAM	1	5530	9.51	1.84	7.67	13
VHT80	64QAM	1	5530	9.76	2.39	7.37	13
VHT80	256QAM	1	5530	9.85	2.51	7.34	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots


Spectrum
Ref Level 20.00 dBm Offset 11.50 dB RBW (CISPR) 1 MHz
Att 20 dB SWT 10.9 s VBW 3 MHz Mode Sweep
SGL Count 1/1
1Rm AvgPwr 2Pk View
M1[1] -6.01 dBm
5.6925330 GHz
M2[2] 7.24 dBm
5.6955280 GHz
M1
M2
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 5.7 GHz
691 pts
Span 30.0 MHz
Marker
Type Ref Trc Stimulus Response Function Function Result
M1 1 5.692533 GHz -6.01 dBm
D1 M1 2 2.996 MHz 13.25 dB
M2 2 5.695528 GHz 7.24 dBm
Date: 21.MAY.2013 19:50:35

3.6 Transmitter Radiated and Band Edge Emissions

3.6.1 Limit of Transmitter Radiated and Band Edge Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.825 GHz	5.715 5.725 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] 5.825 5.835 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

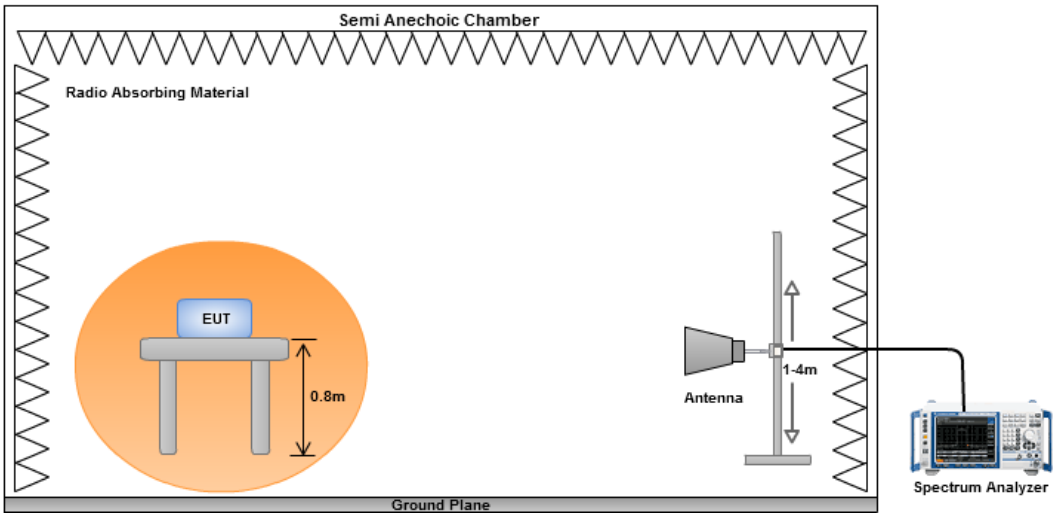
3.6.2 Test Procedures

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

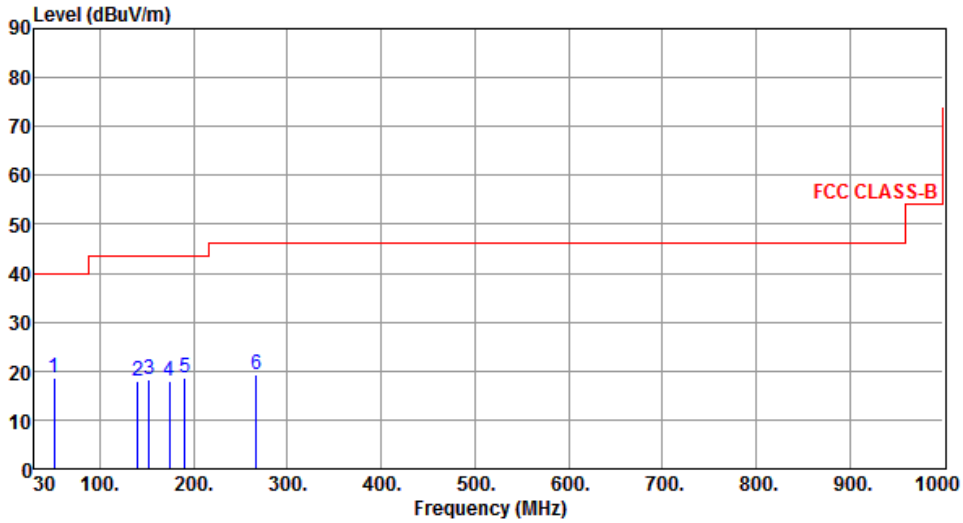
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.6.3 Test Setup



3.6.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

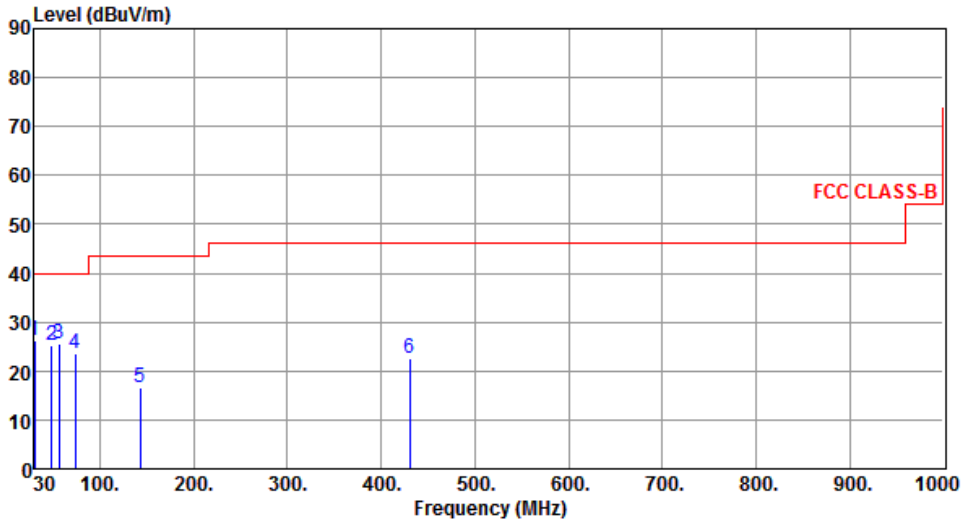
Polarization	Horizontal	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link (11a)		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	51.34	18.56	40.00	-21.44	35.22	-16.66	Peak	---	---
2	140.58	18.09	43.50	-25.41	35.27	-17.18	Peak	---	---
3	152.22	18.32	43.50	-25.18	35.24	-16.92	Peak	---	---
4	174.53	17.94	43.50	-25.56	35.64	-17.70	Peak	---	---
5	191.02	18.44	43.50	-25.06	37.55	-19.11	Peak	---	---
6	266.68	19.26	46.00	-26.74	36.50	-17.24	Peak	---	---

Note 1: Level (dBuV/m) = Read Level (dBuV/m) + Antenna Factor (dB) + Cable Loss (dB) - Preamp Factor (dB).
2: Margin (dB) = Limit Line (dBuV/m) – Level (dBuV/m).

Polarization	Vertical	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link (11a)		

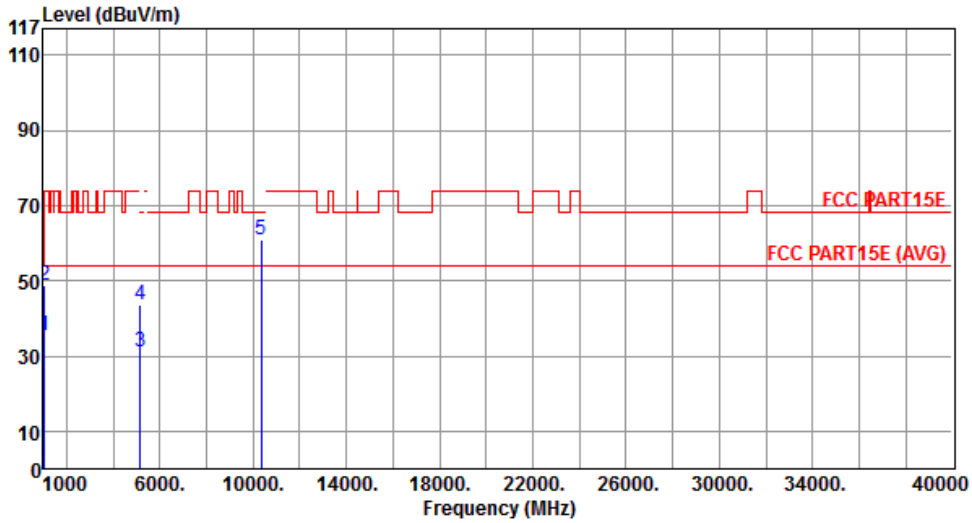


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	30.00	26.22	40.00	-13.78	43.95	-17.73	Peak	---	---
2	48.43	25.20	40.00	-14.80	41.80	-16.60	Peak	---	---
3	56.19	25.53	40.00	-14.47	42.53	-17.00	Peak	---	---
4	73.65	23.59	40.00	-16.41	43.76	-20.17	Peak	---	---
5	142.52	16.66	43.50	-26.84	33.79	-17.13	Peak	---	---
6	430.61	22.72	46.00	-23.28	35.64	-12.92	Peak	---	---

Note 1: Level (dBuV/m) = Read Level (dBuV/m) + Antenna Factor (dB) + Cable Loss (dB) - Preamp Factor (dB).
2: Margin (dB) = Limit Line (dBuV/m) – Level (dBuV/m).

3.6.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

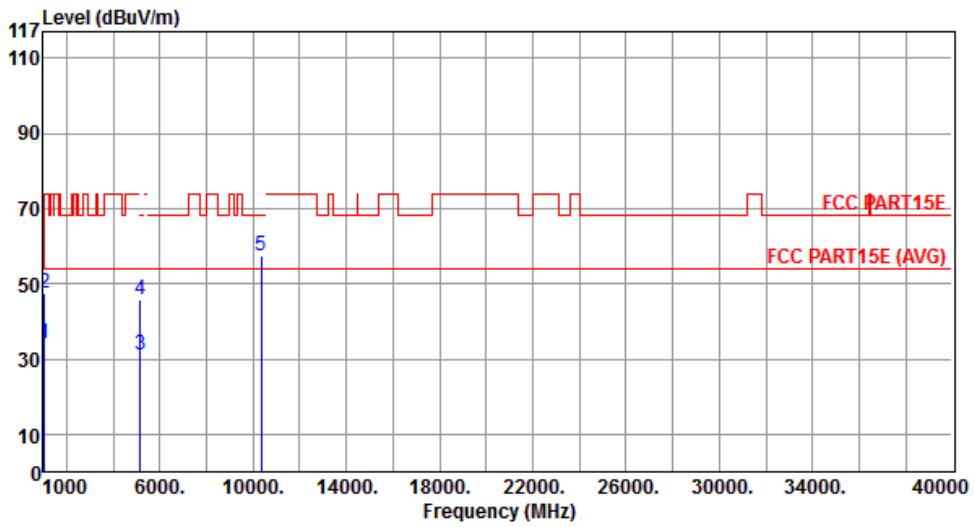
Polarization	Horizontal	**Test Freq. (MHz)**	5180
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.39	54.00	-18.61	44.60	-9.21	Average	---	---
2	1050.00	48.69	74.00	-25.31	57.90	-9.21	Peak	---	---
3	5150.00	31.04	54.00	-22.96	26.10	4.94	Average	---	---
4	5150.00	43.44	74.00	-30.56	38.50	4.94	Peak	---	---
5	10360.00	61.05	68.30	-7.25	46.34	14.71	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

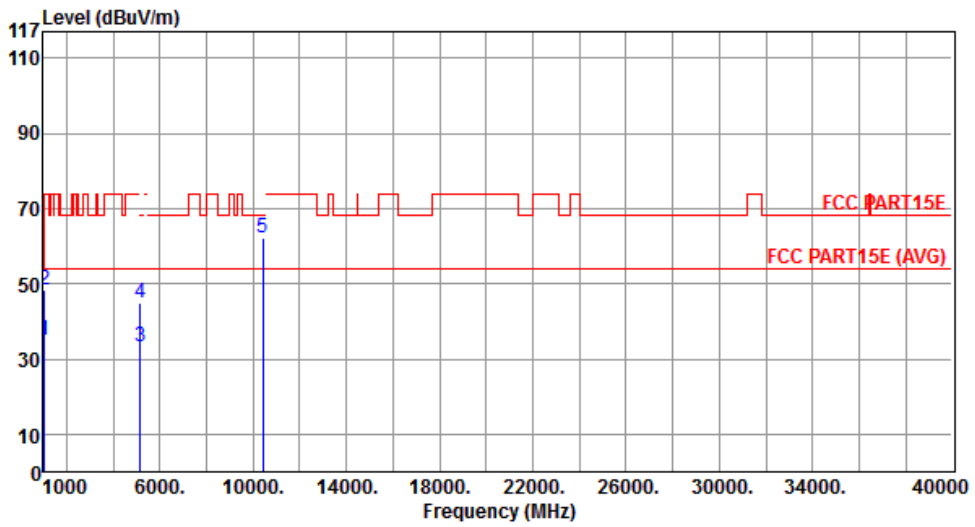
Polarization	Vertical	**Test Freq. (MHz)**	5180
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.00	54.00	-20.00	43.21	-9.21	Average	---	---
2	1050.00	47.32	74.00	-26.68	56.53	-9.21	Peak	---	---
3	5150.00	30.97	54.00	-23.03	26.03	4.94	Average	---	---
4	5150.00	45.94	74.00	-28.06	41.00	4.94	Peak	---	---
5	10360.00	57.60	68.30	-10.70	42.89	14.71	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

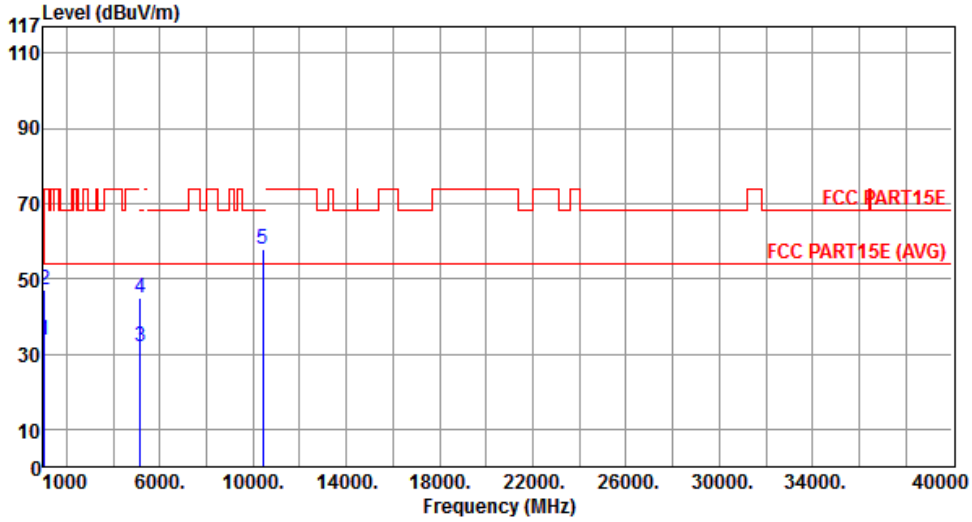
Polarization	Horizontal	**Test Freq. (MHz)**	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.02	54.00	-18.98	44.23	-9.21	Average	---	---
2	1050.00	48.47	74.00	-25.53	57.68	-9.21	Peak	---	---
3	5147.00	33.07	54.00	-20.93	28.13	4.94	Average	---	---
4	5147.00	45.05	74.00	-28.95	40.11	4.94	Peak	---	---
5	10400.00	61.97	68.30	-6.33	47.22	14.75	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

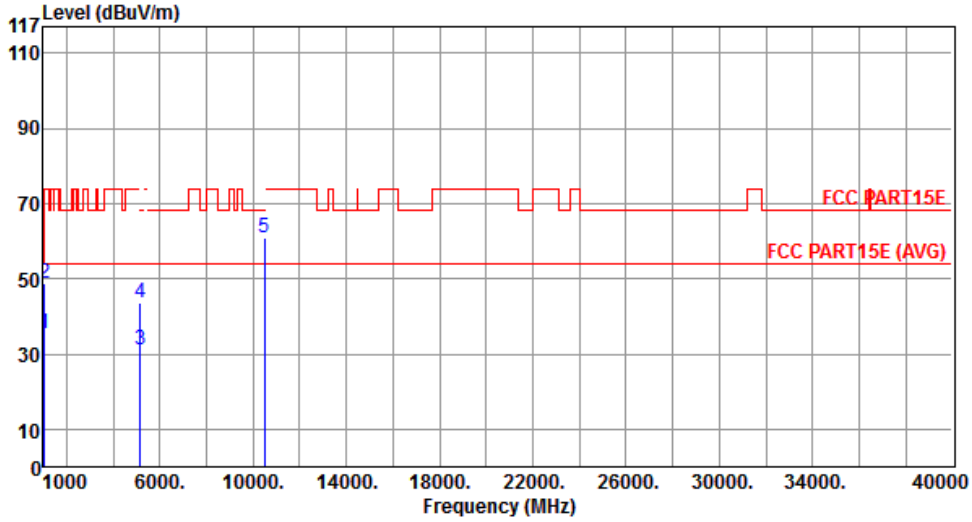
Polarization	Vertical	**Test Freq. (MHz)**	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	33.81	54.00	-20.19	43.02	-9.21	Average	---	---
2	1050.00	47.13	74.00	-26.87	56.34	-9.21	Peak	---	---
3	5147.00	31.83	54.00	-22.17	26.89	4.94	Average	---	---
4	5147.00	44.80	74.00	-29.20	39.86	4.94	Peak	---	---
5	10400.00	58.00	68.30	-10.30	43.25	14.75	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

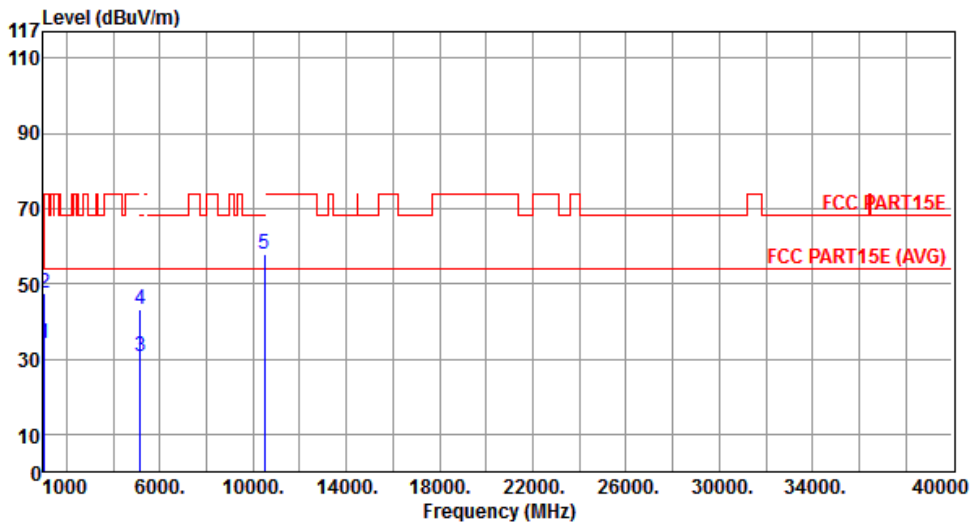
Polarization	Horizontal	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.57	54.00	-18.43	44.78	-9.21	Average	---	---
2	1050.00	48.91	74.00	-25.09	58.12	-9.21	Peak	---	---
3	5150.00	30.97	54.00	-23.03	26.03	4.94	Average	---	---
4	5150.00	43.41	74.00	-30.59	38.47	4.94	Peak	---	---
5	10480.00	60.75	68.30	-7.55	45.91	14.84	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

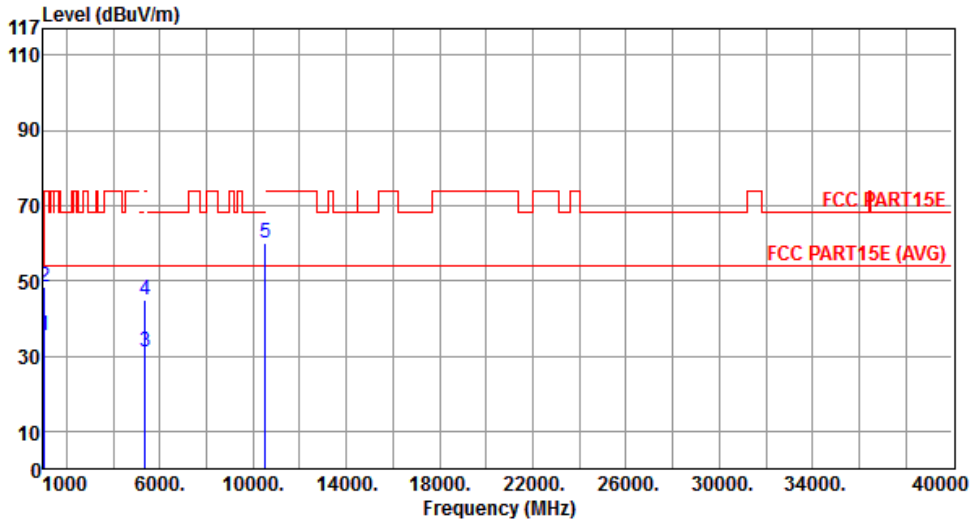
Polarization	Vertical	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.29	54.00	-19.71	43.50	-9.21	Average	---	---
2	1050.00	47.67	74.00	-26.33	56.88	-9.21	Peak	---	---
3	5150.00	30.55	54.00	-23.45	25.61	4.94	Average	---	---
4	5150.00	43.15	74.00	-30.85	38.21	4.94	Peak	---	---
5	10480.00	57.74	68.30	-10.56	42.90	14.84	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

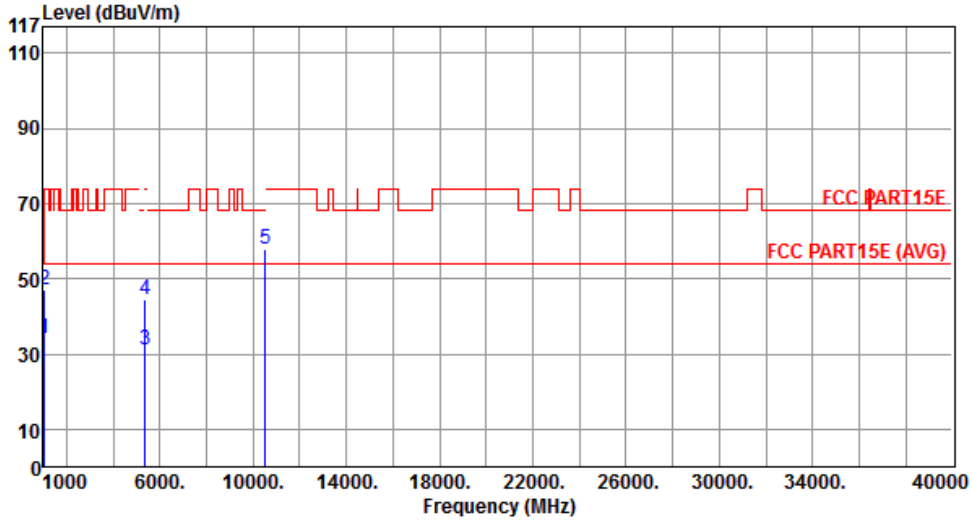
Polarization	Horizontal	**Test Freq. (MHz)**	5260
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.25	54.00	-18.75	44.46	-9.21	Average	---	---
2	1050.00	48.42	74.00	-25.58	57.63	-9.21	Peak	---	---
3	5350.00	31.09	54.00	-22.91	26.00	5.09	Average	---	---
4	5350.00	45.00	74.00	-29.00	39.91	5.09	Peak	---	---
5	10520.00	60.01	68.30	-8.29	45.14	14.87	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

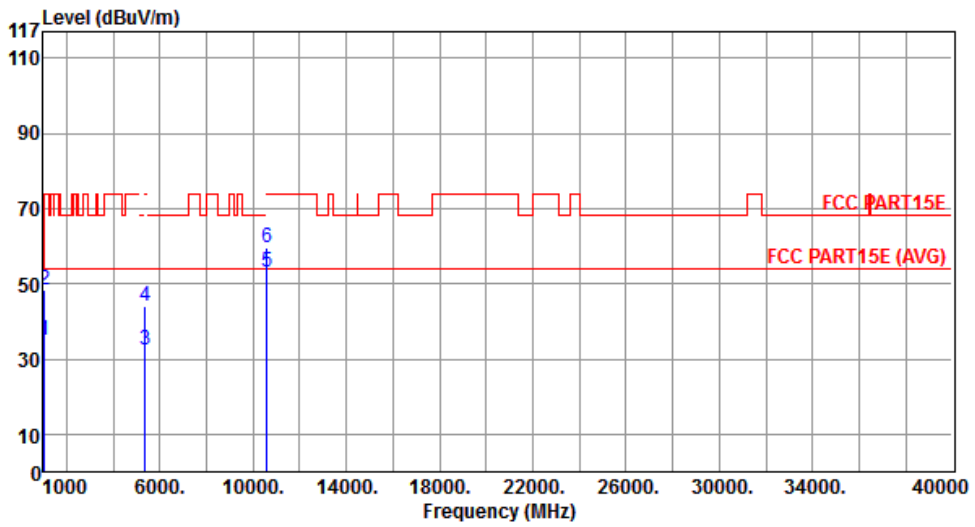
Polarization	Vertical	**Test Freq. (MHz)**	5260
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	33.90	54.00	-20.10	43.11	-9.21	Average	---	---
2	1050.00	47.22	74.00	-26.78	56.43	-9.21	Peak	---	---
3	5350.00	31.11	54.00	-22.89	26.02	5.09	Average	---	---
4	5350.00	44.45	74.00	-29.55	39.36	5.09	Peak	---	---
5	10520.00	58.04	68.30	-10.26	43.17	14.87	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

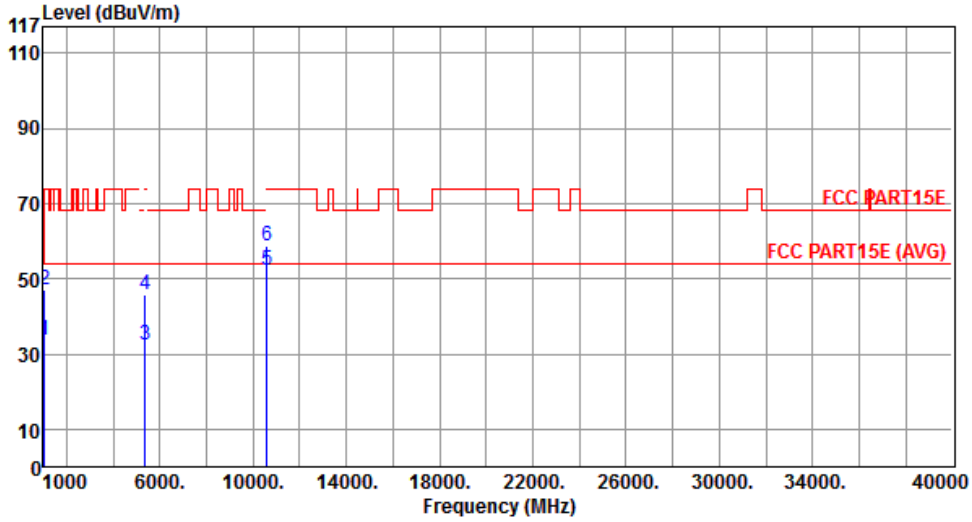
Polarization	Horizontal	**Test Freq. (MHz)**	5300
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.15	54.00	-18.85	44.36	-9.21	Average	---	---
2	1050.00	48.53	74.00	-25.47	57.74	-9.21	Peak	---	---
3	5352.00	32.29	54.00	-21.71	27.20	5.09	Average	---	---
4	5352.00	44.05	74.00	-29.95	38.96	5.09	Peak	---	---
5	10600.00	52.94	54.00	-1.06	38.00	14.94	Average	---	---
6	10600.00	59.37	74.00	-14.63	44.43	14.94	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

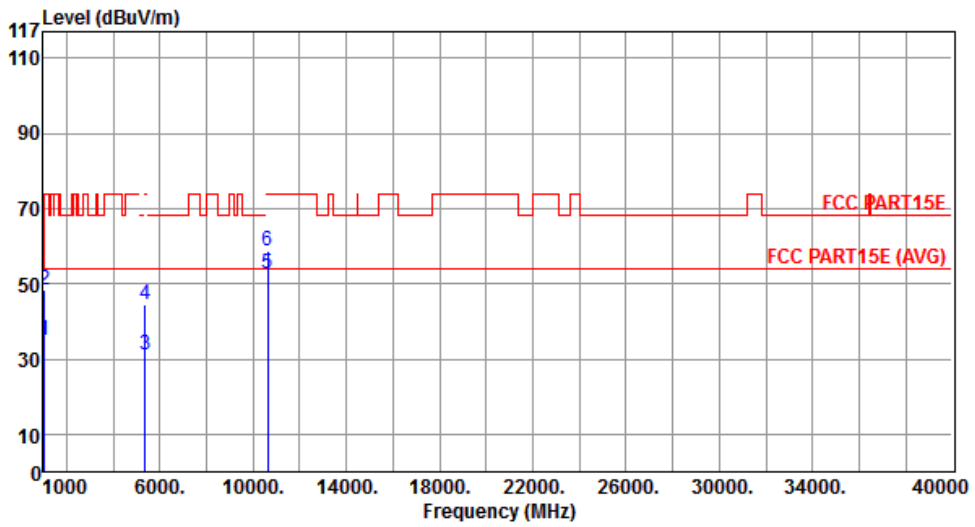
Polarization	Vertical	**Test Freq. (MHz)**	5300
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	33.81	54.00	-20.19	43.02	-9.21	Average	---	---
2	1050.00	47.11	74.00	-26.89	56.32	-9.21	Peak	---	---
3	5352.00	32.52	54.00	-21.48	27.43	5.09	Average	---	---
4	5352.00	45.97	74.00	-28.03	40.88	5.09	Peak	---	---
5	10600.00	52.04	54.00	-1.96	37.10	14.94	Average	---	---
6	10600.00	58.57	74.00	-15.43	43.63	14.94	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

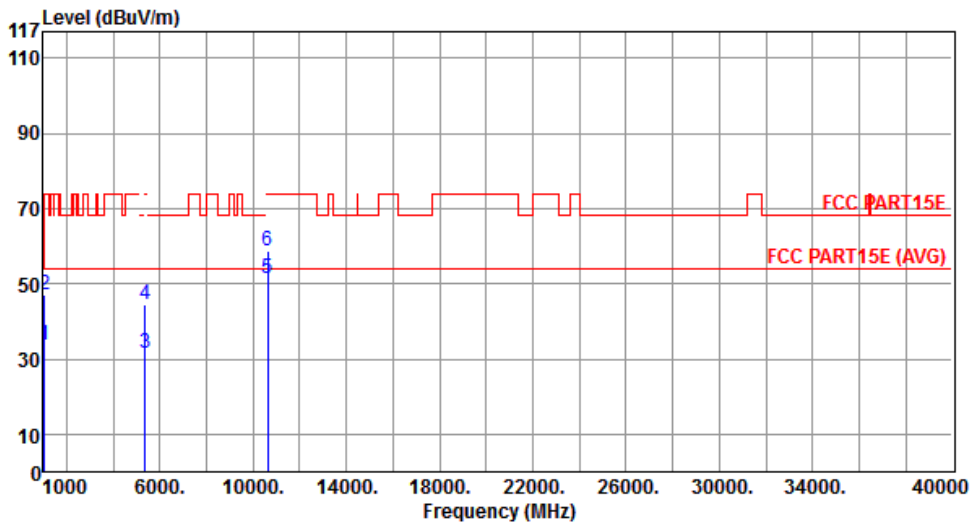
Polarization	Horizontal	**Test Freq. (MHz)**	5320
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.99	54.00	-19.01	44.20	-9.21	Average	---	---
2	1050.00	48.49	74.00	-25.51	57.70	-9.21	Peak	---	---
3	5350.00	31.19	54.00	-22.81	26.10	5.09	Average	---	---
4	5350.00	44.39	74.00	-29.61	39.30	5.09	Peak	---	---
5	10640.00	52.88	54.00	-1.12	37.90	14.98	Average	---	---
6	10640.00	58.68	74.00	-15.32	43.70	14.98	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

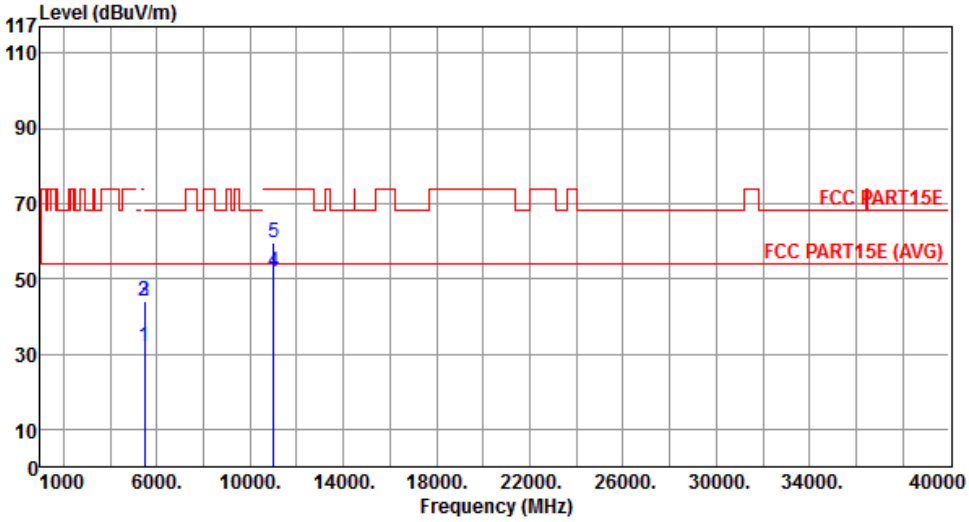
Polarization	Vertical	**Test Freq. (MHz)**	5320
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	33.75	54.00	-20.25	42.96	-9.21	Average	---	---
2	1050.00	46.98	74.00	-27.02	56.19	-9.21	Peak	---	---
3	5350.00	31.39	54.00	-22.61	26.30	5.09	Average	---	---
4	5350.00	44.61	74.00	-29.39	39.52	5.09	Peak	---	---
5	10640.00	51.48	54.00	-2.52	36.50	14.98	Average	---	---
6	10640.00	58.70	74.00	-15.30	43.72	14.98	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

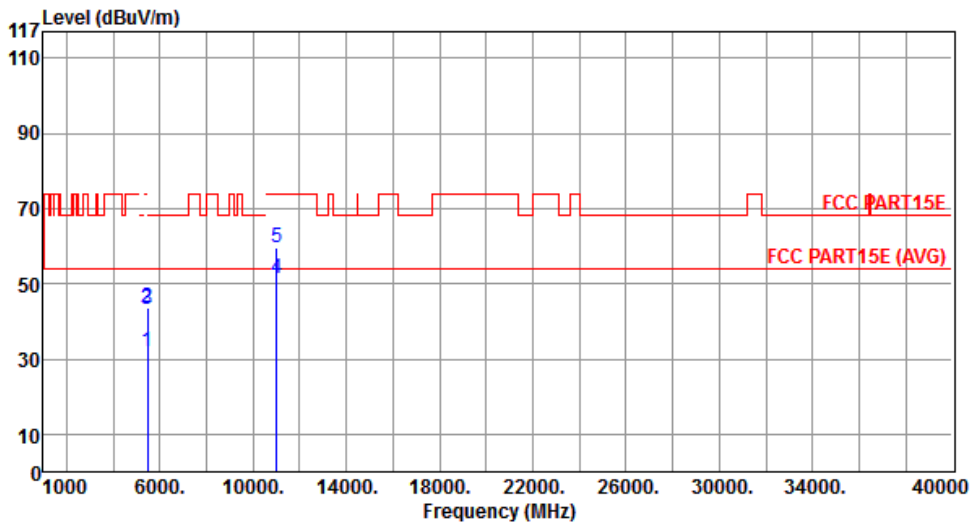
Polarization	Horizontal	**Test Freq. (MHz)**	5500
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.15	54.00	-21.85	26.97	5.18	Average	---	---
2	5460.00	43.93	74.00	-30.07	38.75	5.18	Peak	---	---
3	5470.00	44.05	68.30	-24.25	38.86	5.19	Peak	---	---
4	11000.00	51.81	54.00	-2.19	36.53	15.28	Average	---	---
5	11000.00	59.52	74.00	-14.48	44.24	15.28	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

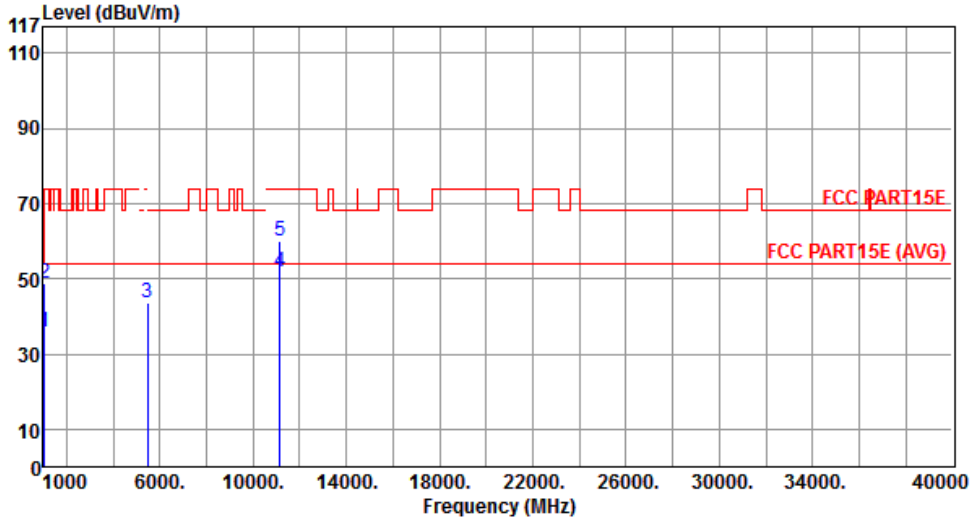
Polarization	Vertical	**Test Freq. (MHz)**	5500
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.02	54.00	-21.98	26.84	5.18	Average	---	---
2	5460.00	43.76	74.00	-30.24	38.58	5.18	Peak	---	---
3	5470.00	43.05	68.30	-25.25	37.86	5.19	Peak	---	---
4	11000.00	51.18	54.00	-2.82	35.90	15.28	Average	---	---
5	11000.00	59.38	74.00	-14.62	44.10	15.28	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

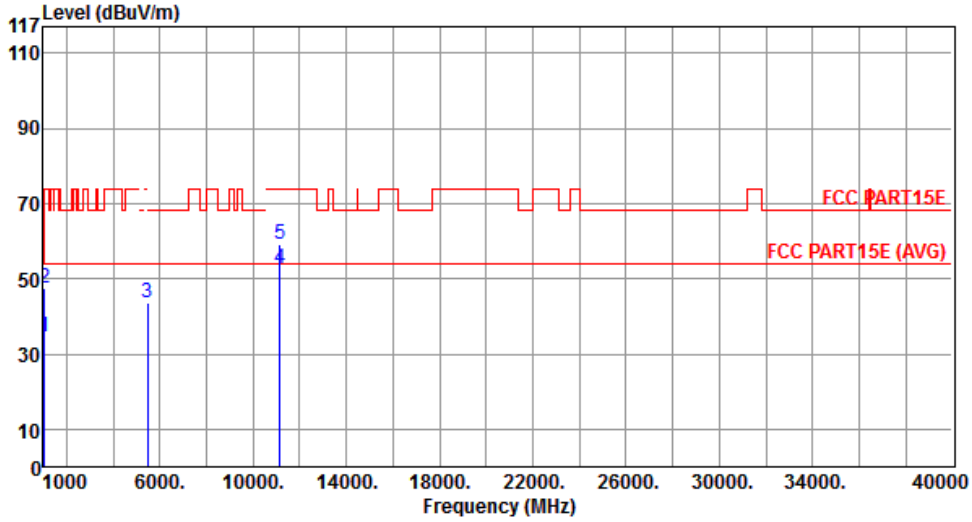
Polarization	Horizontal	**Test Freq. (MHz)**	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.67	54.00	-18.33	44.88	-9.21	Average	---	---
2	1050.00	48.97	74.00	-25.03	58.18	-9.21	Peak	---	---
3	5470.00	43.73	68.30	-24.57	38.54	5.19	Peak	---	---
4	11160.00	51.80	54.00	-2.20	36.62	15.18	Average	---	---
5	11160.00	59.88	74.00	-14.12	44.70	15.18	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

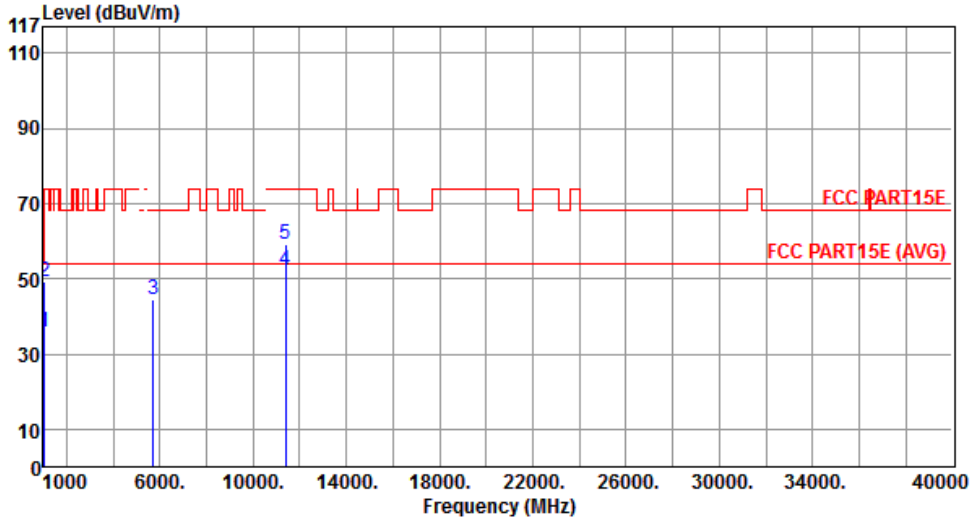
Polarization	Vertical	**Test Freq. (MHz)**	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.38	54.00	-19.62	43.59	-9.21	Average	---	---
2	1050.00	47.68	74.00	-26.32	56.89	-9.21	Peak	---	---
3	5470.00	43.51	68.30	-24.79	38.32	5.19	Peak	---	---
4	11160.00	52.68	54.00	-1.32	37.50	15.18	Average	---	---
5	11160.00	58.98	74.00	-15.02	43.80	15.18	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

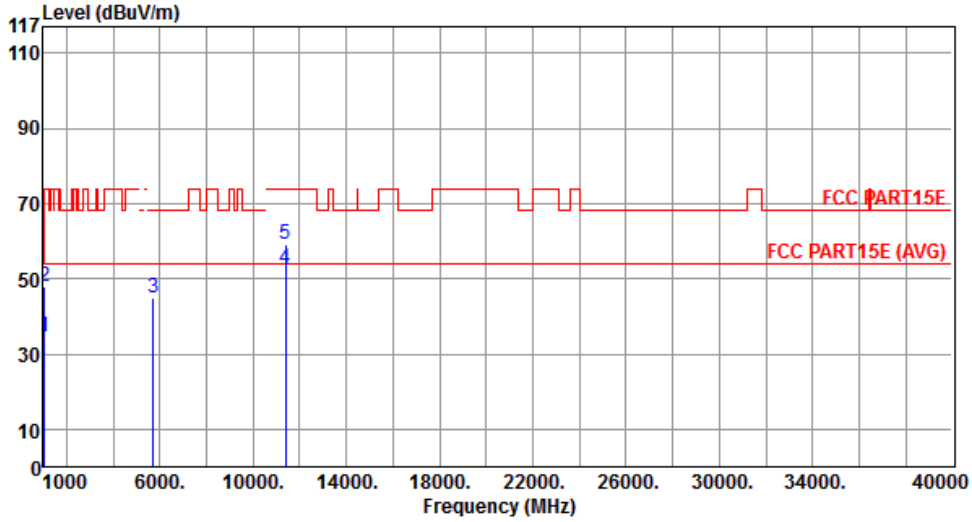
Polarization	Horizontal	**Test Freq. (MHz)**	5700
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.75	54.00	-18.25	44.96	-9.21	Average	---	---
2	1050.00	49.07	74.00	-24.93	58.28	-9.21	Peak	---	---
3	5725.00	44.55	68.30	-23.75	38.99	5.56	Peak	---	---
4	11400.00	52.43	54.00	-1.57	37.40	15.03	Average	---	---
5	11400.00	59.23	74.00	-14.77	44.20	15.03	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Polarization	Vertical	**Test Freq. (MHz)**	5700
Test Mode	AC power & Radio link		

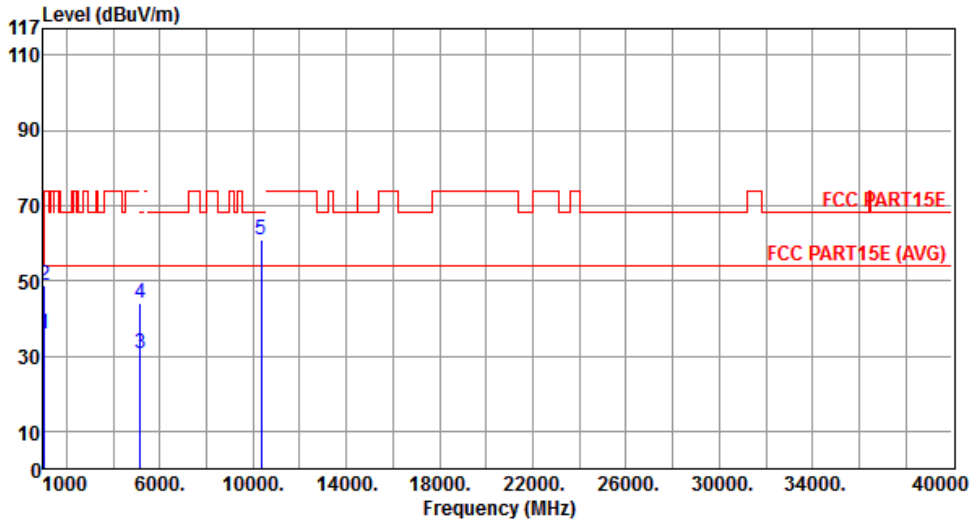


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.38	54.00	-19.62	43.59	-9.21	Average	---	---
2	1050.00	47.76	74.00	-26.24	56.97	-9.21	Peak	---	---
3	5725.00	44.85	68.30	-23.45	39.29	5.56	Peak	---	---
4	11400.00	52.53	54.00	-1.47	37.50	15.03	Average	---	---
5	11400.00	59.33	74.00	-14.67	44.30	15.03	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

3.6.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

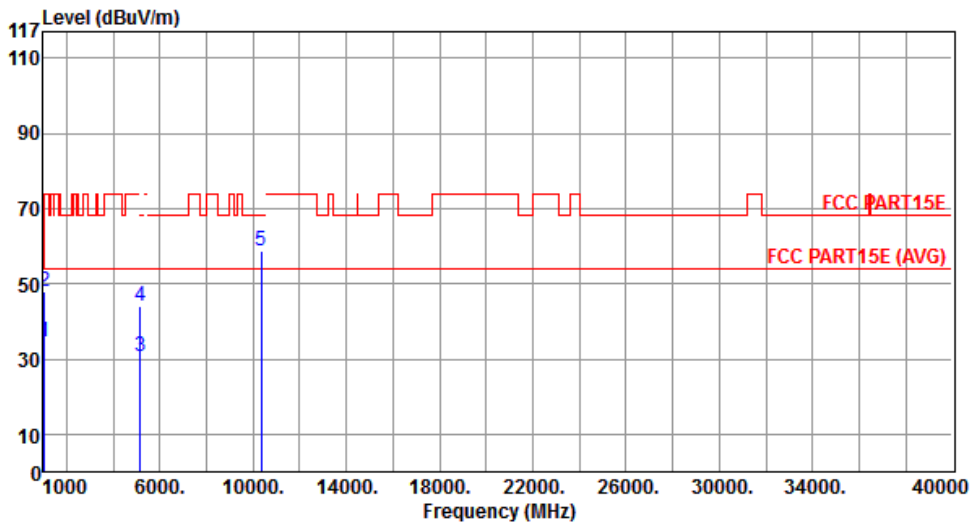
Polarization	Horizontal	**Test Freq. (MHz)**	5180
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.01	54.00	-17.99	45.22	-9.21	Average	---	---
2	1050.00	48.92	74.00	-25.08	58.13	-9.21	Peak	---	---
3	5150.00	30.71	54.00	-23.29	25.77	4.94	Average	---	---
4	5150.00	44.13	74.00	-29.87	39.19	4.94	Peak	---	---
5	10360.00	60.84	68.30	-7.46	46.13	14.71	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

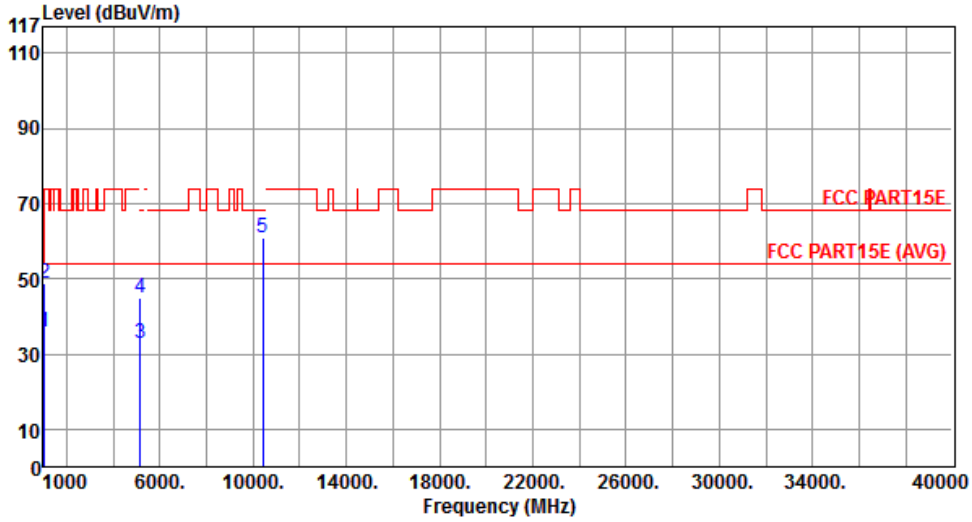
Polarization	Vertical	**Test Freq. (MHz)**	5180
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.38	54.00	-19.62	43.59	-9.21	Average	---	---
2	1050.00	47.81	74.00	-26.19	57.02	-9.21	Peak	---	---
3	5150.00	30.84	54.00	-23.16	25.90	4.94	Average	---	---
4	5150.00	44.23	74.00	-29.77	39.29	4.94	Peak	---	---
5	10360.00	58.88	68.30	-9.42	44.17	14.71	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

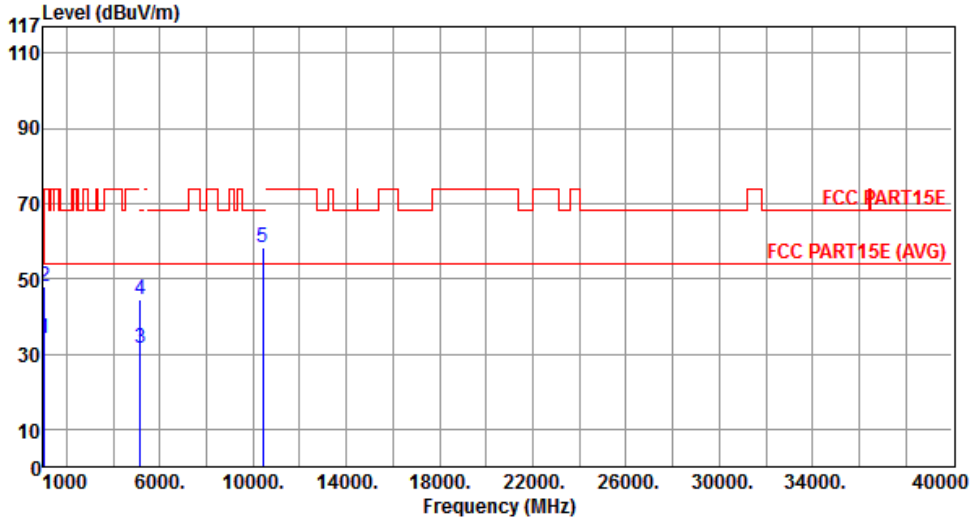
Polarization	Horizontal	**Test Freq. (MHz)**	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.90	54.00	-18.10	45.11	-9.21	Average	---	---
2	1050.00	48.81	74.00	-25.19	58.02	-9.21	Peak	---	---
3	5147.00	32.87	54.00	-21.13	27.93	4.94	Average	---	---
4	5147.00	44.85	74.00	-29.15	39.91	4.94	Peak	---	---
5	10400.00	61.08	68.30	-7.22	46.33	14.75	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

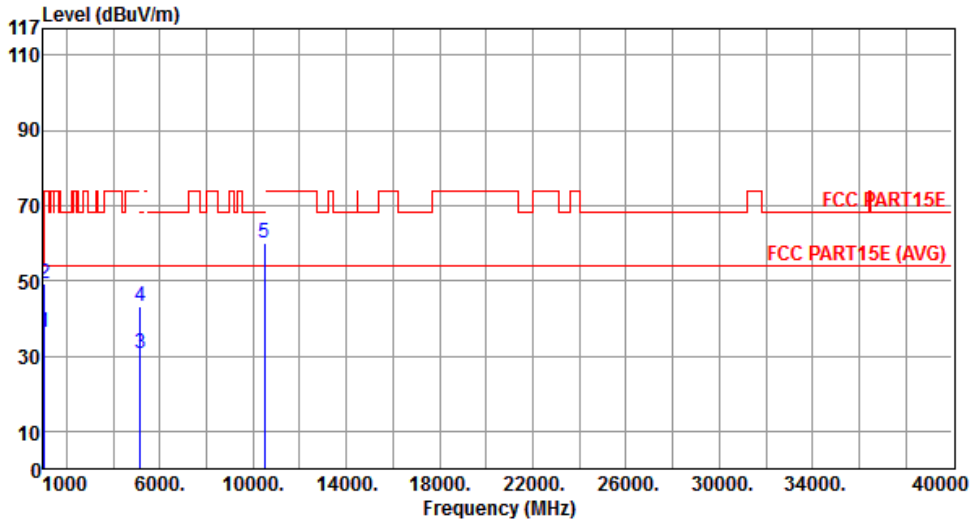
Polarization	Vertical	**Test Freq. (MHz)**	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.07	54.00	-19.93	43.28	-9.21	Average	---	---
2	1050.00	47.76	74.00	-26.24	56.97	-9.21	Peak	---	---
3	5147.00	31.52	54.00	-22.48	26.58	4.94	Average	---	---
4	5147.00	44.66	74.00	-29.34	39.72	4.94	Peak	---	---
5	10400.00	58.15	68.30	-10.15	43.40	14.75	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

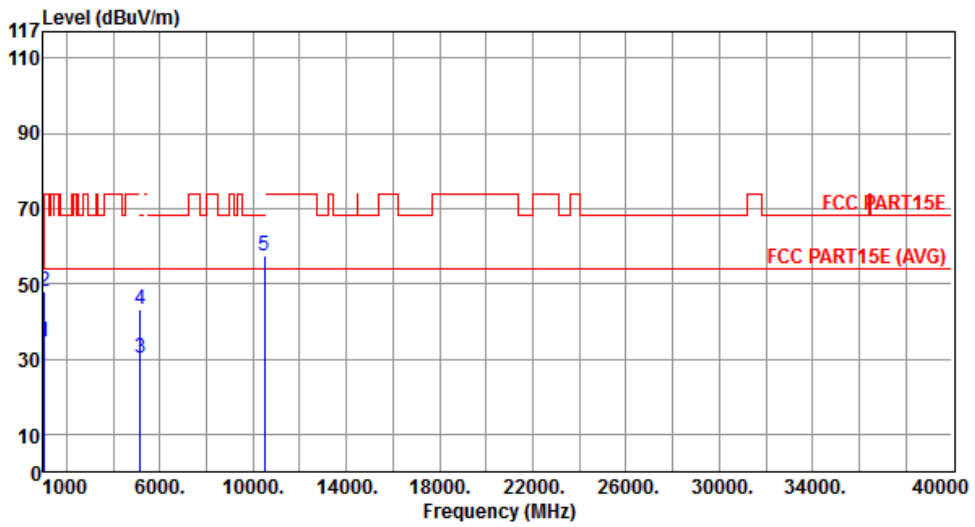
Polarization	Horizontal	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.10	54.00	-17.90	45.31	-9.21	Average	---	---
2	1050.00	49.12	74.00	-24.88	58.33	-9.21	Peak	---	---
3	5150.00	30.55	54.00	-23.45	25.61	4.94	Average	---	---
4	5150.00	43.23	74.00	-30.77	38.29	4.94	Peak	---	---
5	10480.00	60.14	68.30	-8.16	45.30	14.84	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

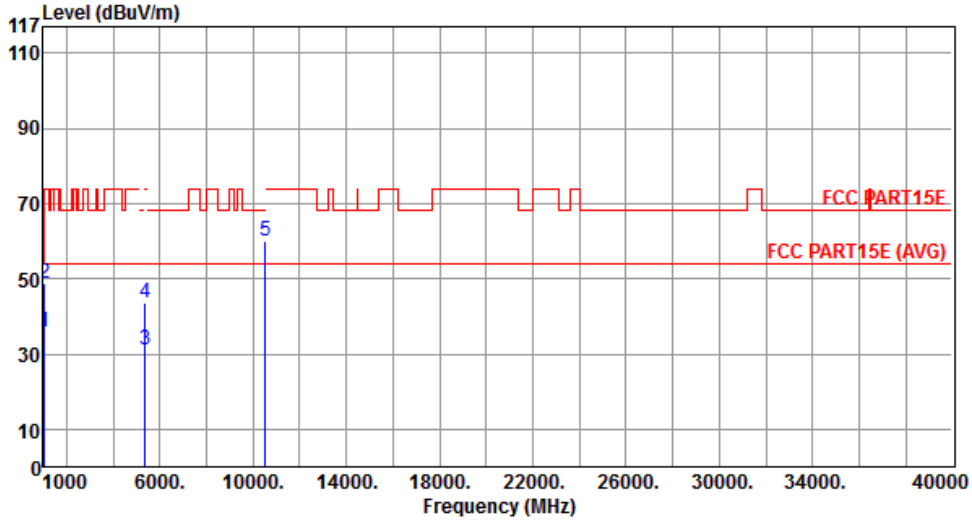
Polarization	Vertical	**Test Freq. (MHz)**	5240
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.42	54.00	-19.58	43.63	-9.21	Average	---	---
2	1050.00	48.01	74.00	-25.99	57.22	-9.21	Peak	---	---
3	5150.00	30.23	54.00	-23.77	25.29	4.94	Average	---	---
4	5150.00	43.05	74.00	-30.95	38.11	4.94	Peak	---	---
5	10480.00	57.34	68.30	-10.96	42.50	14.84	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

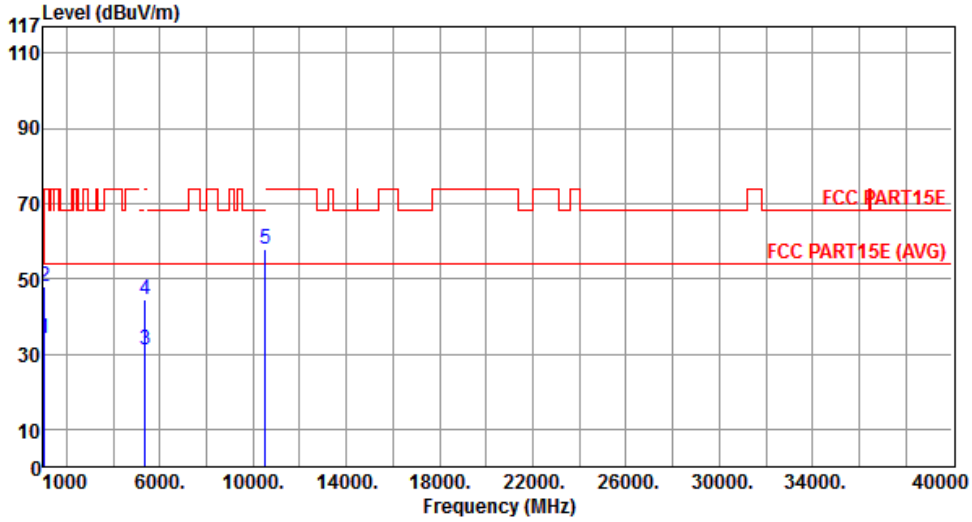
Polarization	Horizontal	**Test Freq. (MHz)**	5260
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.85	54.00	-18.15	45.06	-9.21	Average	---	---
2	1050.00	48.82	74.00	-25.18	58.03	-9.21	Peak	---	---
3	5350.00	30.98	54.00	-23.02	25.89	5.09	Average	---	---
4	5350.00	43.43	74.00	-30.57	38.34	5.09	Peak	---	---
5	10520.00	60.04	68.30	-8.26	45.17	14.87	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

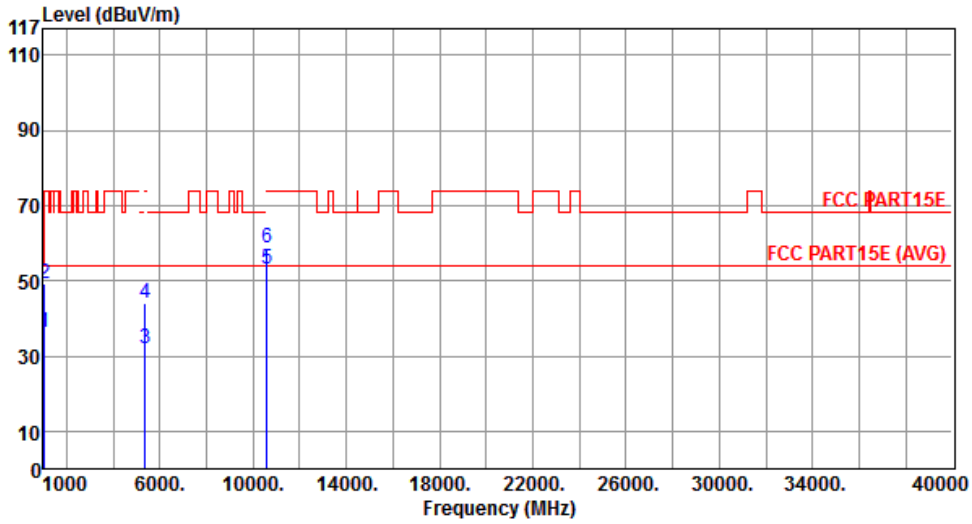
Polarization	Vertical	**Test Freq. (MHz)**	5260
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.08	54.00	-19.92	43.29	-9.21	Average	---	---
2	1050.00	47.71	74.00	-26.29	56.92	-9.21	Peak	---	---
3	5350.00	30.95	54.00	-23.05	25.86	5.09	Average	---	---
4	5350.00	44.36	74.00	-29.64	39.27	5.09	Peak	---	---
5	10520.00	57.68	68.30	-10.62	42.81	14.87	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

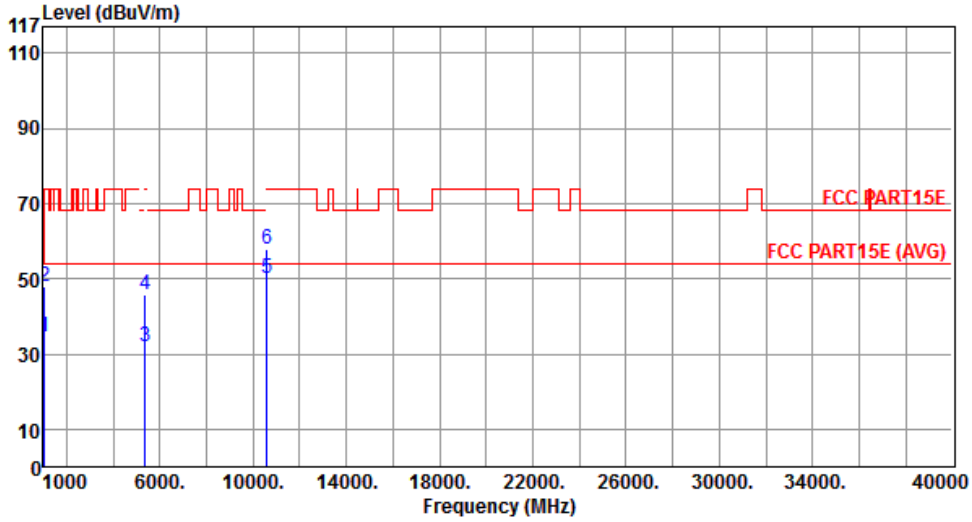
Polarization	Horizontal	**Test Freq. (MHz)**	5300
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.23	54.00	-17.77	45.44	-9.21	Average	---	---
2	1050.00	49.07	74.00	-24.93	58.28	-9.21	Peak	---	---
3	5352.00	32.02	54.00	-21.98	26.93	5.09	Average	---	---
4	5352.00	43.86	74.00	-30.14	38.77	5.09	Peak	---	---
5	10600.00	52.95	54.00	-1.05	38.01	14.94	Average	---	---
6	10600.00	58.73	74.00	-15.27	43.79	14.94	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

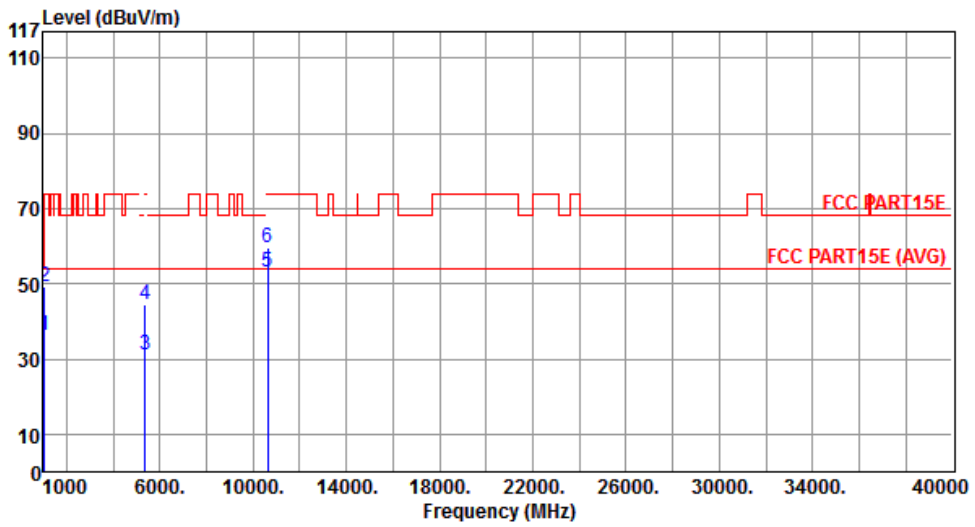
Polarization	Vertical	**Test Freq. (MHz)**	5300
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.45	54.00	-19.55	43.66	-9.21	Average	---	---
2	1050.00	47.95	74.00	-26.05	57.16	-9.21	Peak	---	---
3	5352.00	32.15	54.00	-21.85	27.06	5.09	Average	---	---
4	5352.00	45.76	74.00	-28.24	40.67	5.09	Peak	---	---
5	10600.00	50.14	54.00	-3.86	35.20	14.94	Average	---	---
6	10600.00	57.93	74.00	-16.07	42.99	14.94	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

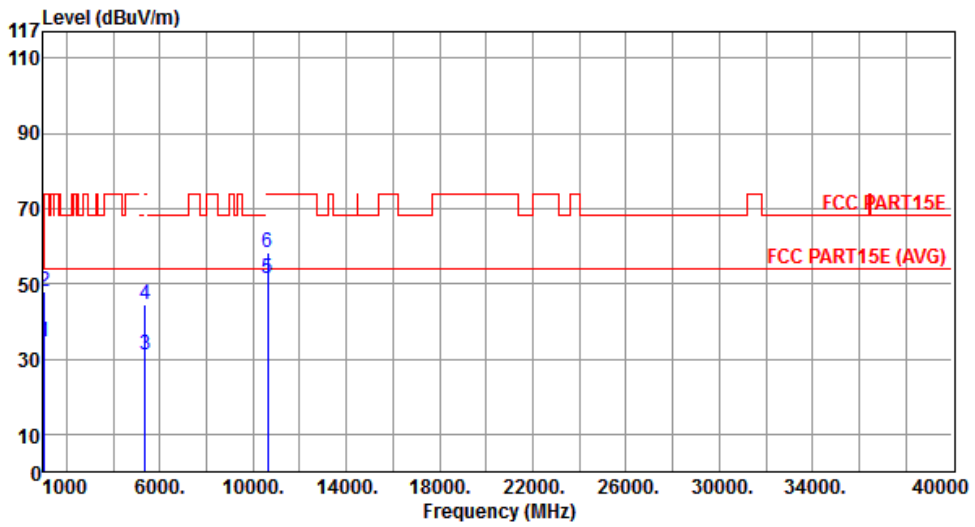
Polarization	Horizontal	**Test Freq. (MHz)**	5320
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.38	54.00	-17.62	45.59	-9.21	Average	---	---
2	1050.00	49.22	74.00	-24.78	58.43	-9.21	Peak	---	---
3	5350.00	31.05	54.00	-22.95	25.96	5.09	Average	---	---
4	5350.00	44.26	74.00	-29.74	39.17	5.09	Peak	---	---
5	10640.00	52.91	54.00	-1.09	37.93	14.98	Average	---	---
6	10640.00	59.67	74.00	-14.33	44.69	14.98	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

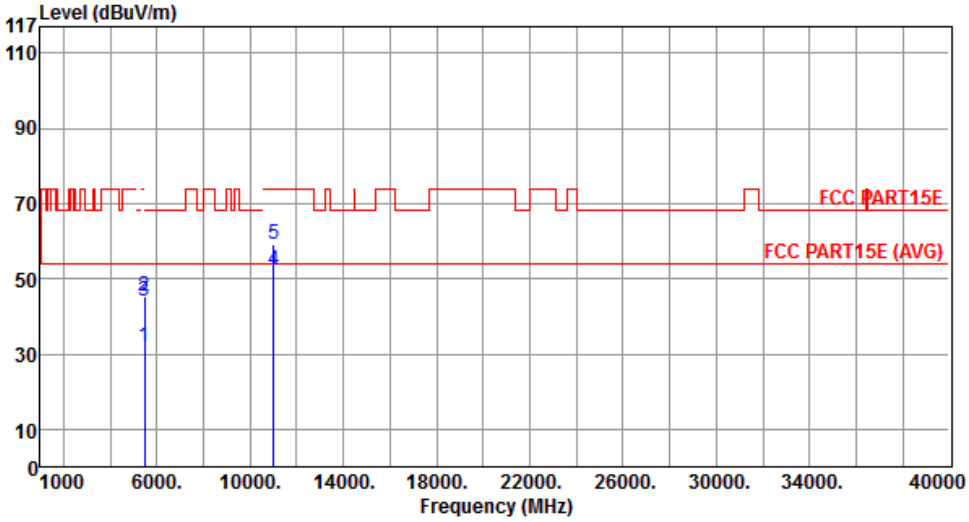
Polarization	Vertical	**Test Freq. (MHz)**	5320
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.55	54.00	-19.45	43.76	-9.21	Average	---	---
2	1050.00	47.98	74.00	-26.02	57.19	-9.21	Peak	---	---
3	5350.00	31.19	54.00	-22.81	26.10	5.09	Average	---	---
4	5350.00	44.51	74.00	-29.49	39.42	5.09	Peak	---	---
5	10640.00	51.58	54.00	-2.42	36.60	14.98	Average	---	---
6	10640.00	58.31	74.00	-15.69	43.33	14.98	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

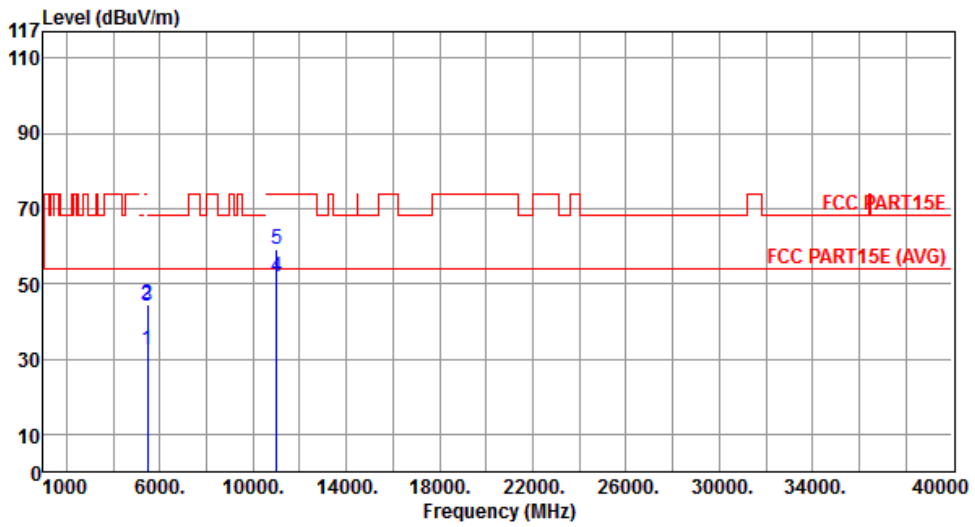
Polarization	Horizontal	**Test Freq. (MHz)**	5500
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.15	54.00	-21.85	26.97	5.18	Average	---	---
2	5460.00	45.32	74.00	-28.68	40.14	5.18	Peak	---	---
3	5470.00	44.24	68.30	-24.06	39.05	5.19	Peak	---	---
4	11000.00	52.38	54.00	-1.62	37.10	15.28	Average	---	---
5	11000.00	59.10	74.00	-14.90	43.82	15.28	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

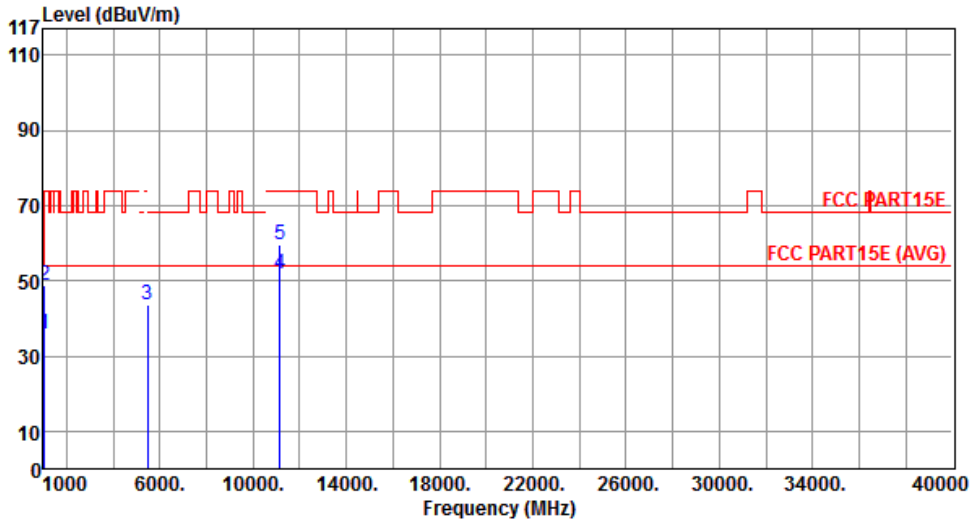
Polarization	Vertical	**Test Freq. (MHz)**	5500
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.28	54.00	-21.72	27.10	5.18	Average	---	---
2	5460.00	44.42	74.00	-29.58	39.24	5.18	Peak	---	---
3	5470.00	44.23	68.30	-24.07	39.04	5.19	Peak	---	---
4	11000.00	51.98	54.00	-2.02	36.70	15.28	Average	---	---
5	11000.00	59.08	74.00	-14.92	43.80	15.28	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

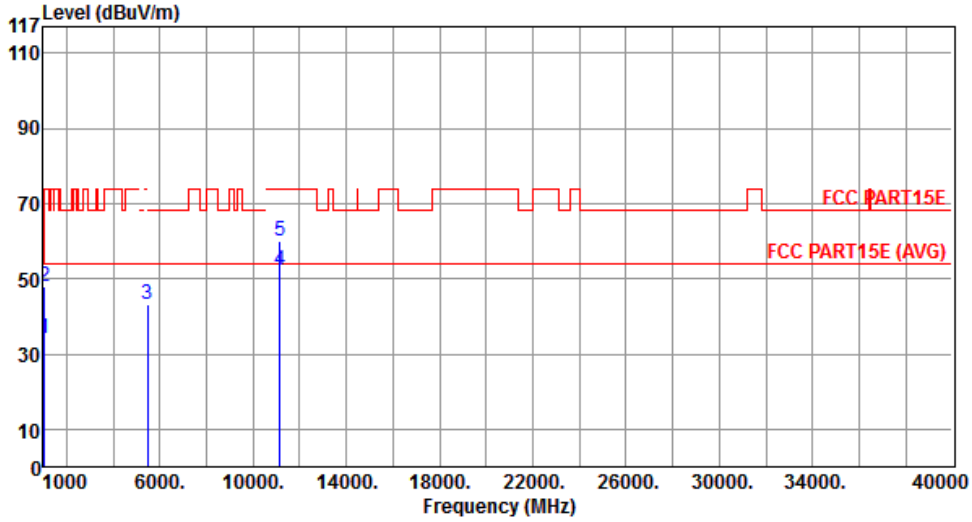
Polarization	Horizontal	**Test Freq. (MHz)**	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.98	54.00	-18.02	45.19	-9.21	Average	---	---
2	1050.00	48.90	74.00	-25.10	58.11	-9.21	Peak	---	---
3	5470.00	43.55	68.30	-24.75	38.36	5.19	Peak	---	---
4	11160.00	51.99	54.00	-2.01	36.81	15.18	Average	---	---
5	11160.00	59.68	74.00	-14.32	44.50	15.18	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

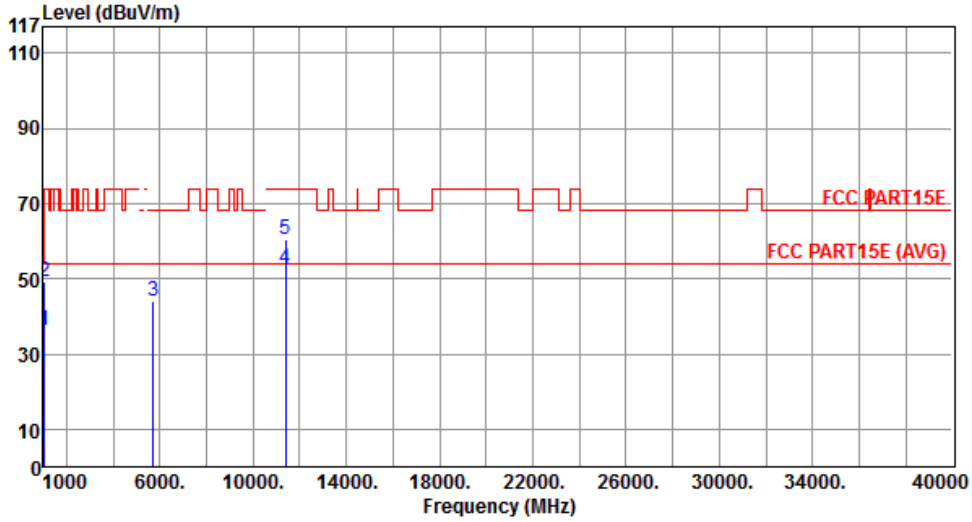
Polarization	Vertical	**Test Freq. (MHz)**	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.23	54.00	-19.77	43.44	-9.21	Average	---	---
2	1050.00	47.79	74.00	-26.21	57.00	-9.21	Peak	---	---
3	5470.00	43.23	68.30	-25.07	38.04	5.19	Peak	---	---
4	11160.00	52.28	54.00	-1.72	37.10	15.18	Average	---	---
5	11160.00	60.08	74.00	-13.92	44.90	15.18	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

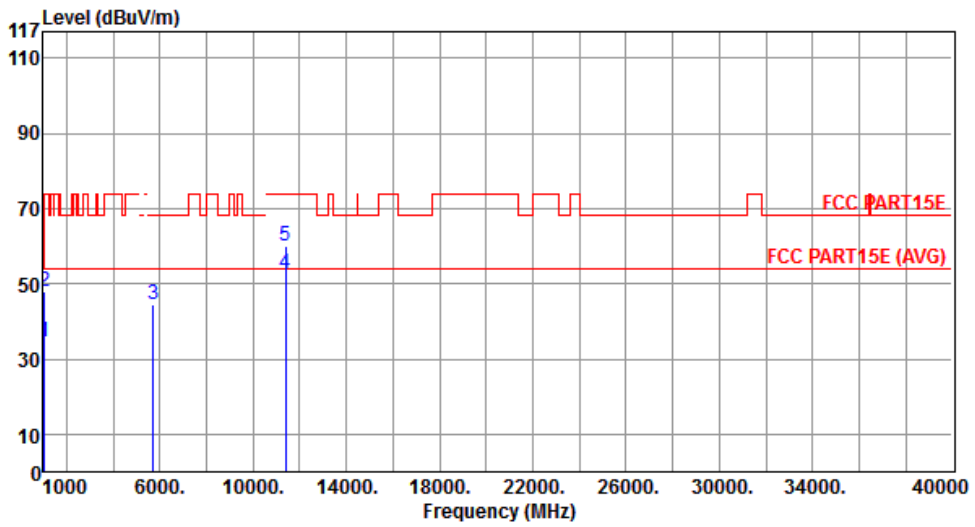
Polarization	Horizontal	**Test Freq. (MHz)**	5700
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.35	54.00	-17.65	45.56	-9.21	Average	---	---
2	1050.00	49.25	74.00	-24.75	58.46	-9.21	Peak	---	---
3	5725.00	44.23	68.30	-24.07	38.67	5.56	Peak	---	---
4	11400.00	52.46	54.00	-1.54	37.43	15.03	Average	---	---
5	11400.00	60.37	74.00	-13.63	45.34	15.03	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Polarization	Vertical	**Test Freq. (MHz)**	5700
Test Mode	AC power & Radio link		

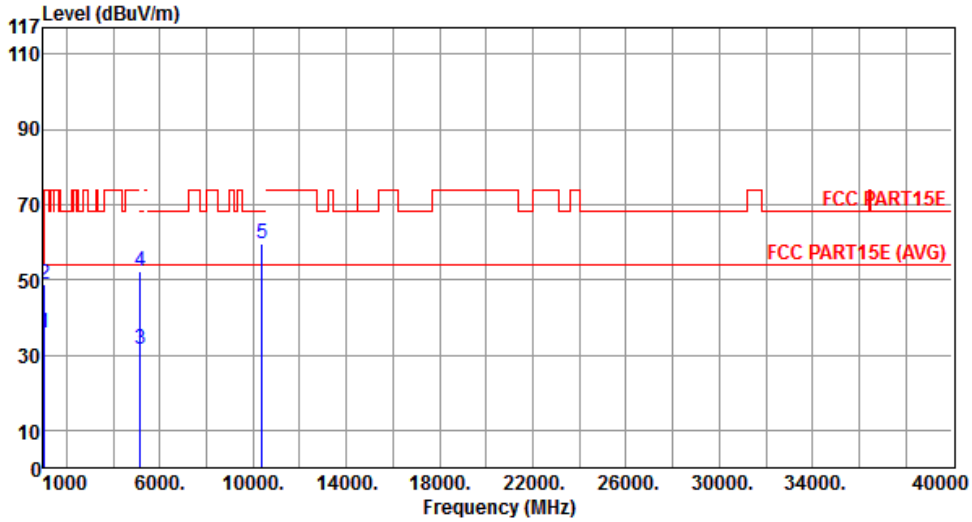


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.45	54.00	-19.55	43.66	-9.21	Average	---	---
2	1050.00	48.08	74.00	-25.92	57.29	-9.21	Peak	---	---
3	5725.00	44.68	68.30	-23.62	39.12	5.56	Peak	---	---
4	11400.00	52.73	54.00	-1.27	37.70	15.03	Average	---	---
5	11400.00	60.13	74.00	-13.87	45.10	15.03	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

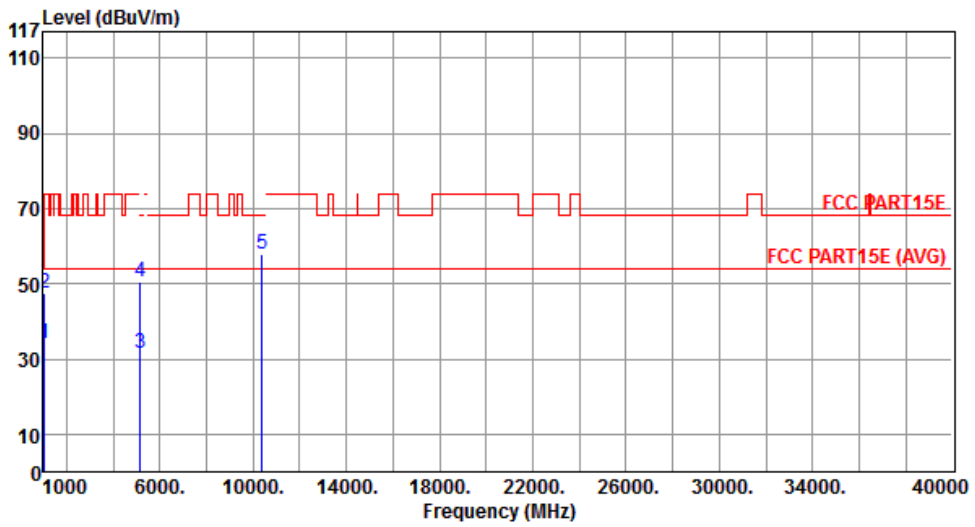
Polarization	Horizontal	**Test Freq. (MHz)**	5190
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.89	54.00	-18.11	45.10	-9.21	Average	---	---
2	1050.00	48.82	74.00	-25.18	58.03	-9.21	Peak	---	---
3	5150.00	31.44	54.00	-22.56	26.50	4.94	Average	---	---
4	5150.00	52.44	74.00	-21.56	47.50	4.94	Peak	---	---
5	10380.00	59.56	68.30	-8.74	44.83	14.73	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

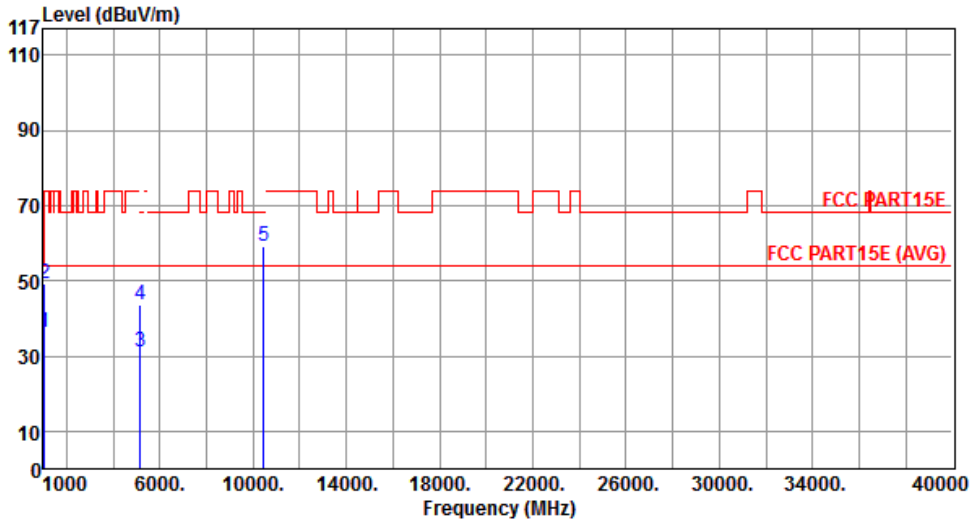
Polarization	Vertical	**Test Freq. (MHz)**	5190
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.28	54.00	-19.72	43.49	-9.21	Average	---	---
2	1050.00	47.65	74.00	-26.35	56.86	-9.21	Peak	---	---
3	5150.00	31.35	54.00	-22.65	26.41	4.94	Average	---	---
4	5150.00	50.41	74.00	-23.59	45.47	4.94	Peak	---	---
5	10380.00	57.83	68.30	-10.47	43.10	14.73	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

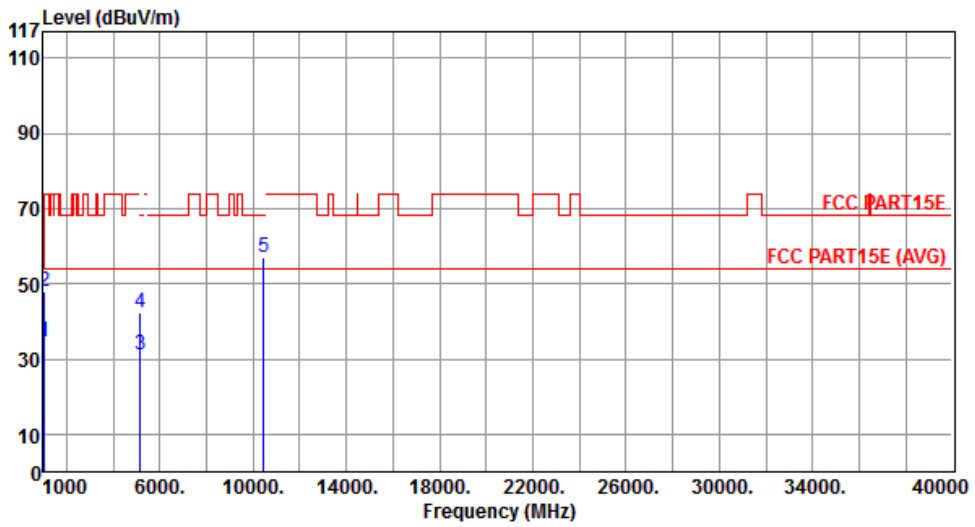
Polarization	Horizontal	**Test Freq. (MHz)**	5230
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.40	54.00	-17.60	45.61	-9.21	Average	---	---
2	1050.00	49.25	74.00	-24.75	58.46	-9.21	Peak	---	---
3	5150.00	31.26	54.00	-22.74	26.32	4.94	Average	---	---
4	5150.00	43.64	74.00	-30.36	38.70	4.94	Peak	---	---
5	10460.00	59.12	68.30	-9.18	44.30	14.82	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

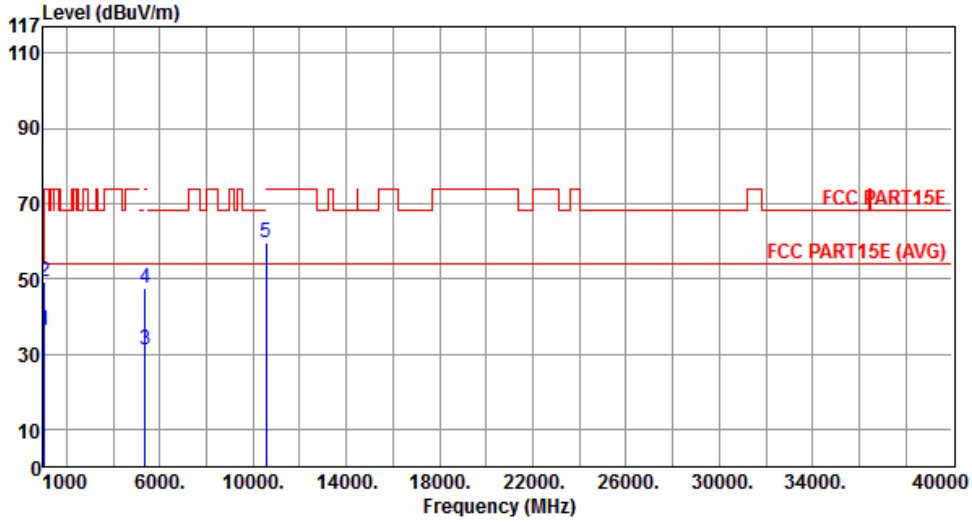
Polarization	Vertical	**Test Freq. (MHz)**	5230
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.57	54.00	-19.43	43.78	-9.21	Average	---	---
2	1050.00	48.03	74.00	-25.97	57.24	-9.21	Peak	---	---
3	5150.00	31.14	54.00	-22.86	26.20	4.94	Average	---	---
4	5150.00	42.44	74.00	-31.56	37.50	4.94	Peak	---	---
5	10460.00	56.92	68.30	-11.38	42.10	14.82	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

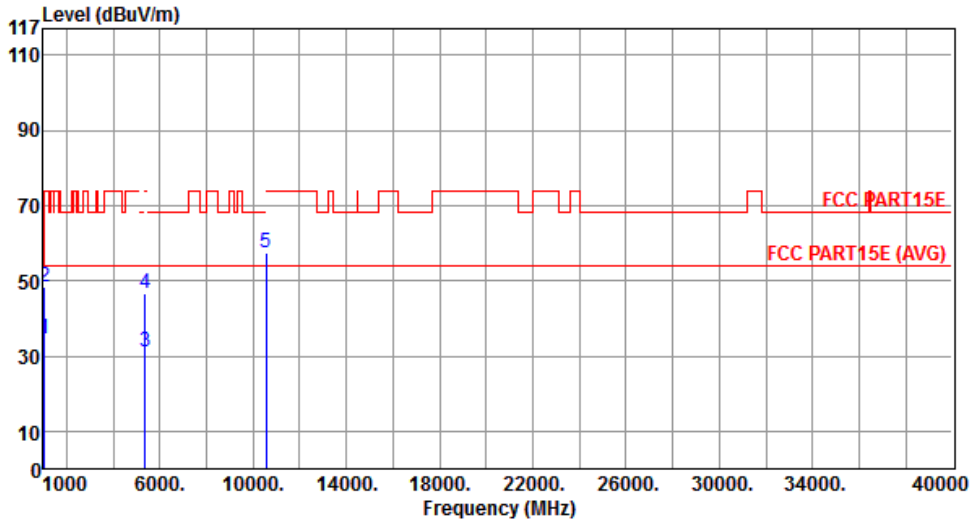
Polarization	Horizontal	**Test Freq. (MHz)**	5270
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.28	54.00	-17.72	45.49	-9.21	Average	---	---
2	1050.00	49.12	74.00	-24.88	58.33	-9.21	Peak	---	---
3	5350.00	31.19	54.00	-22.81	26.10	5.09	Average	---	---
4	5350.00	47.29	74.00	-26.71	42.20	5.09	Peak	---	---
5	10540.00	59.39	68.30	-8.91	44.49	14.90	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

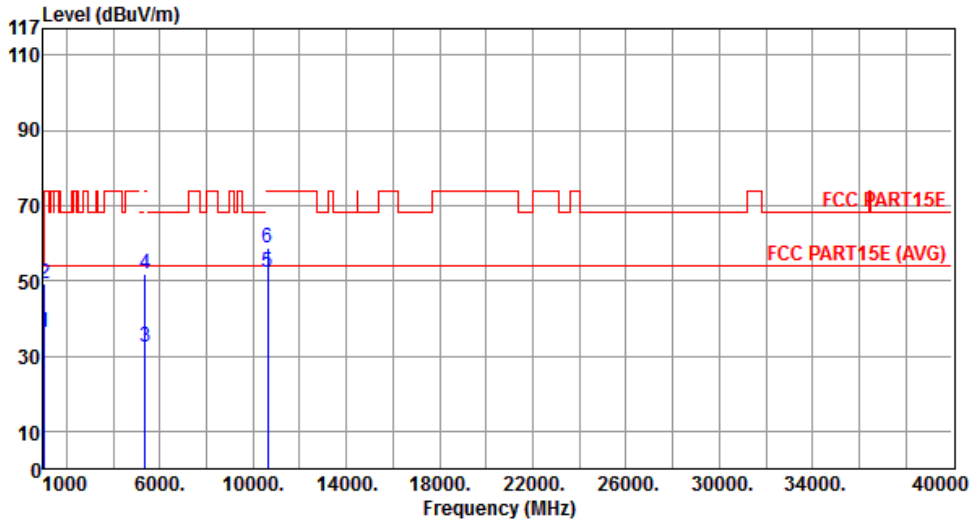
Polarization	Vertical	**Test Freq. (MHz)**	5270
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.55	54.00	-19.45	43.76	-9.21	Average	---	---
2	1050.00	48.22	74.00	-25.78	57.43	-9.21	Peak	---	---
3	5350.00	30.93	54.00	-23.07	25.84	5.09	Average	---	---
4	5350.00	46.69	74.00	-27.31	41.60	5.09	Peak	---	---
5	10540.00	57.44	68.30	-10.86	42.54	14.90	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

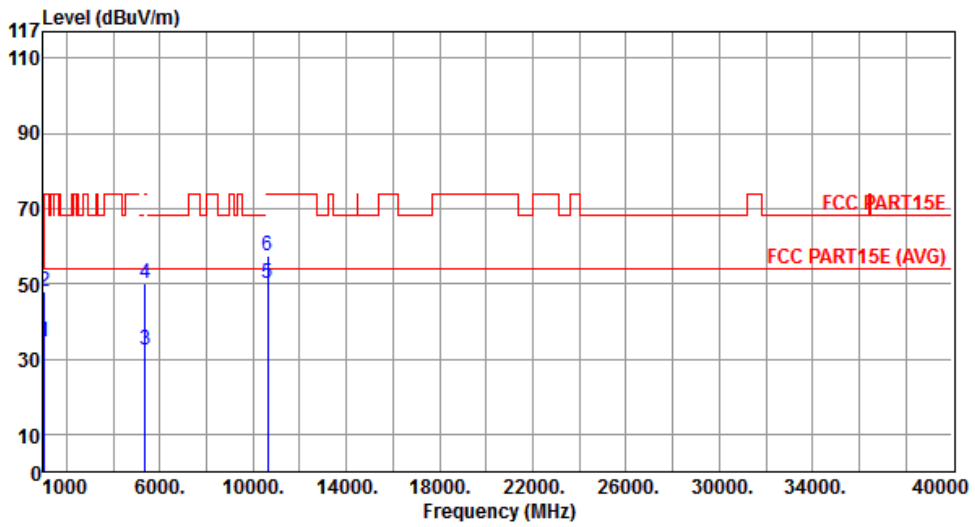
Polarization	Horizontal	**Test Freq. (MHz)**	5310
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.34	54.00	-17.66	45.55	-9.21	Average	---	---
2	1050.00	49.25	74.00	-24.75	58.46	-9.21	Peak	---	---
3	5350.00	32.59	54.00	-21.41	27.50	5.09	Average	---	---
4	5350.00	51.79	74.00	-22.21	46.70	5.09	Peak	---	---
5	10620.00	52.16	54.00	-1.84	37.20	14.96	Average	---	---
6	10620.00	58.56	74.00	-15.44	43.60	14.96	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

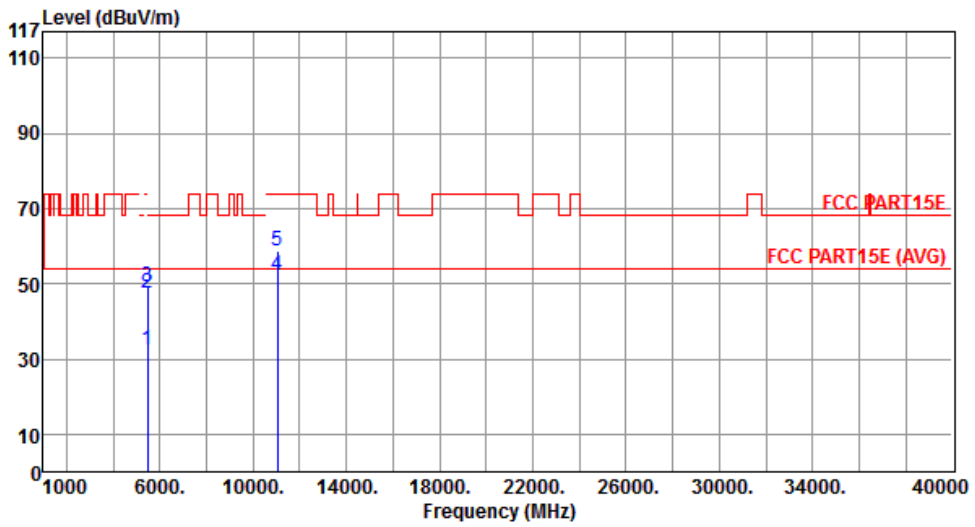
Polarization	Vertical	**Test Freq. (MHz)**	5310
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.55	54.00	-19.45	43.76	-9.21	Average	---	---
2	1050.00	48.10	74.00	-25.90	57.31	-9.21	Peak	---	---
3	5350.00	32.21	54.00	-21.79	27.12	5.09	Average	---	---
4	5350.00	49.99	74.00	-24.01	44.90	5.09	Peak	---	---
5	10620.00	50.06	54.00	-3.94	35.10	14.96	Average	---	---
6	10620.00	57.59	74.00	-16.41	42.63	14.96	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

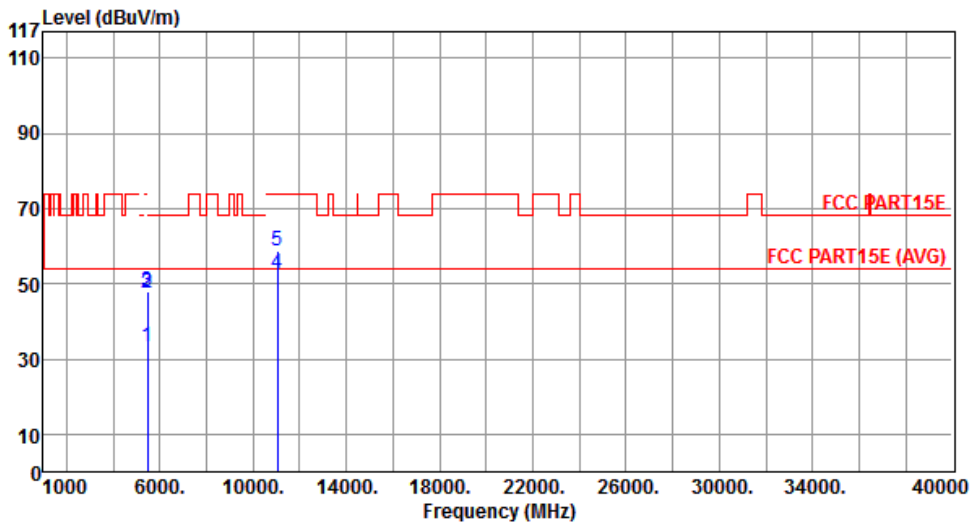
Polarization	Horizontal	**Test Freq. (MHz)**	5510
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.48	54.00	-21.52	27.30	5.18	Average	---	---
2	5460.00	47.58	74.00	-26.42	42.40	5.18	Peak	---	---
3	5470.00	49.39	68.30	-18.91	44.20	5.19	Peak	---	---
4	11060.00	52.15	54.00	-1.85	36.91	15.24	Average	---	---
5	11060.00	58.81	74.00	-15.19	43.57	15.24	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

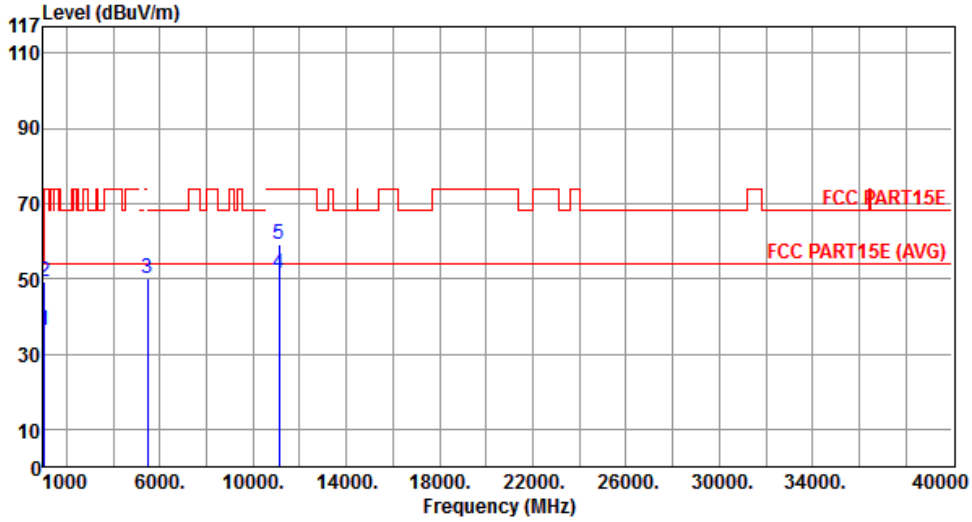
Polarization	Vertical	**Test Freq. (MHz)**	5510
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	33.08	54.00	-20.92	27.90	5.18	Average	---	---
2	5460.00	47.48	74.00	-26.52	42.30	5.18	Peak	---	---
3	5470.00	47.99	68.30	-20.31	42.80	5.19	Peak	---	---
4	11060.00	52.82	54.00	-1.18	37.58	15.24	Average	---	---
5	11060.00	58.75	74.00	-15.25	43.51	15.24	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

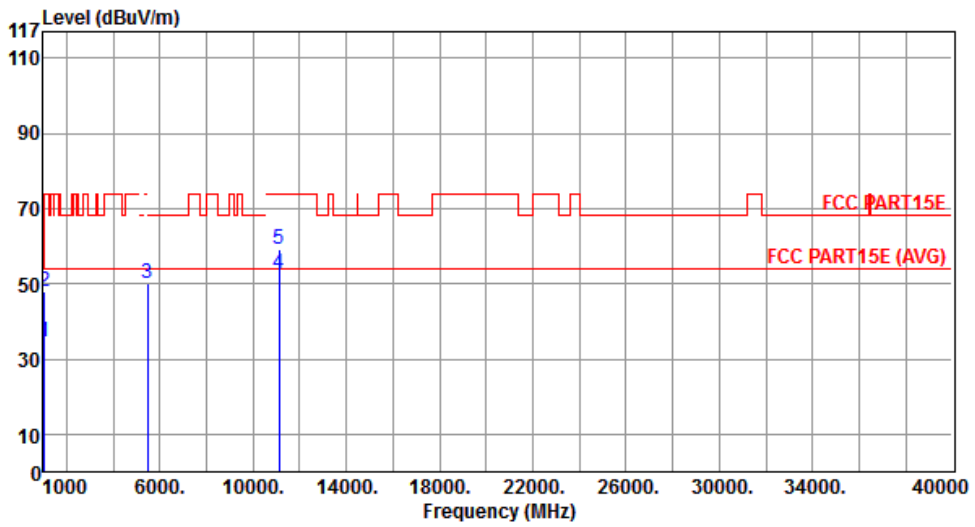
Polarization	Horizontal	**Test Freq. (MHz)**	5550
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.40	54.00	-17.60	45.61	-9.21	Average	---	---
2	1050.00	49.28	74.00	-24.72	58.49	-9.21	Peak	---	---
3	5470.00	50.23	68.30	-18.07	45.04	5.19	Peak	---	---
4	11100.00	51.56	54.00	-2.44	36.34	15.22	Average	---	---
5	11100.00	59.02	74.00	-14.98	43.80	15.22	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

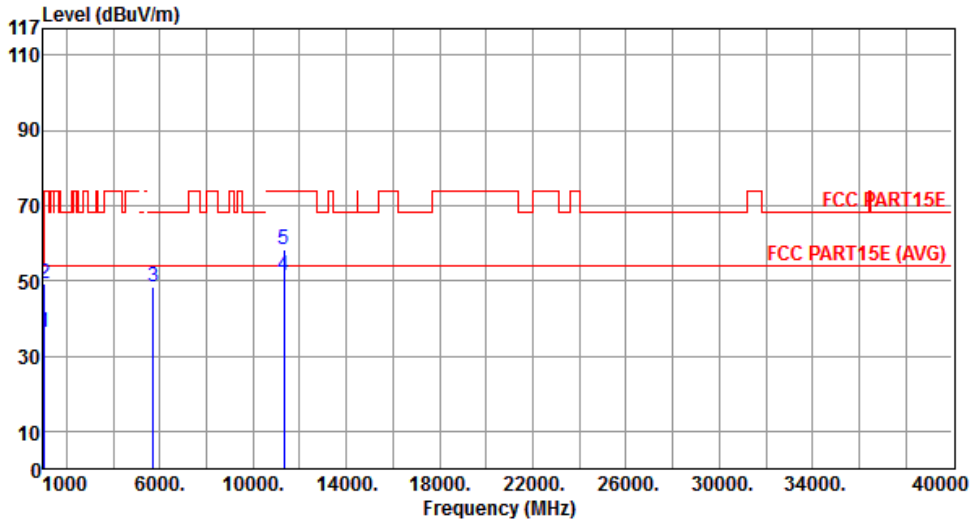
Polarization	Vertical	**Test Freq. (MHz)**	5550
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.57	54.00	-19.43	43.78	-9.21	Average	---	---
2	1050.00	48.02	74.00	-25.98	57.23	-9.21	Peak	---	---
3	5470.00	49.98	68.30	-18.32	44.79	5.19	Peak	---	---
4	11100.00	52.59	54.00	-1.41	37.37	15.22	Average	---	---
5	11100.00	59.02	74.00	-14.98	43.80	15.22	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

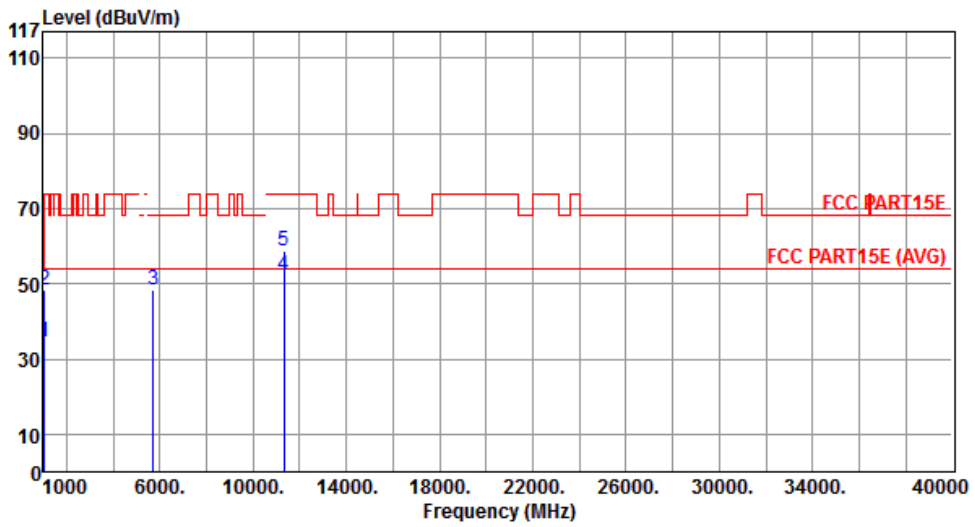
Polarization	Horizontal	**Test Freq. (MHz)**	5670
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	36.28	54.00	-17.72	45.49	-9.21	Average	---	---
2	1050.00	49.25	74.00	-24.75	58.46	-9.21	Peak	---	---
3	5725.00	48.42	68.30	-19.88	42.86	5.56	Peak	---	---
4	11340.00	51.37	54.00	-2.63	36.30	15.07	Average	---	---
5	11340.00	58.47	74.00	-15.53	43.40	15.07	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Polarization	Vertical	**Test Freq. (MHz)**	5670
Test Mode	AC power & Radio link		

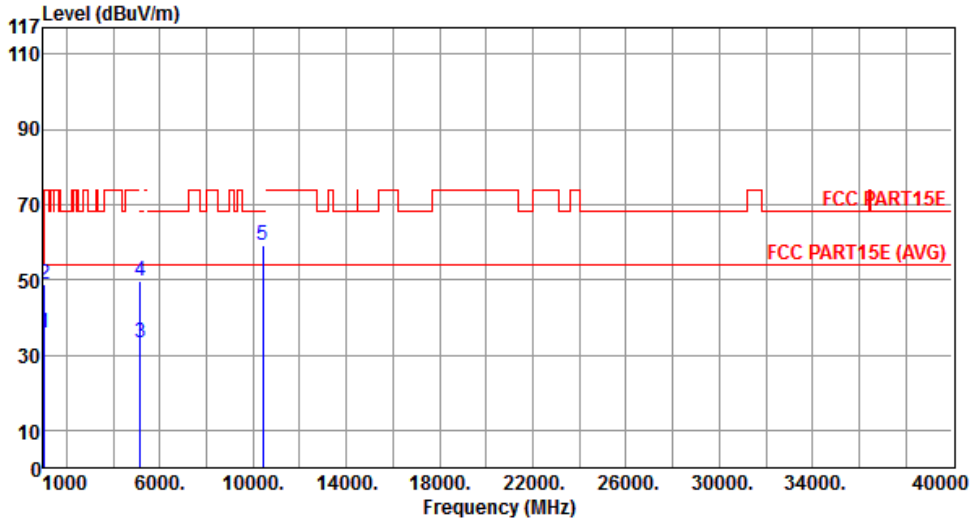


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.58	54.00	-19.42	43.79	-9.21	Average	---	---
2	1050.00	48.15	74.00	-25.85	57.36	-9.21	Peak	---	---
3	5725.00	48.25	68.30	-20.05	42.69	5.56	Peak	---	---
4	11340.00	52.17	54.00	-1.83	37.10	15.07	Average	---	---
5	11340.00	58.58	74.00	-15.42	43.51	15.07	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

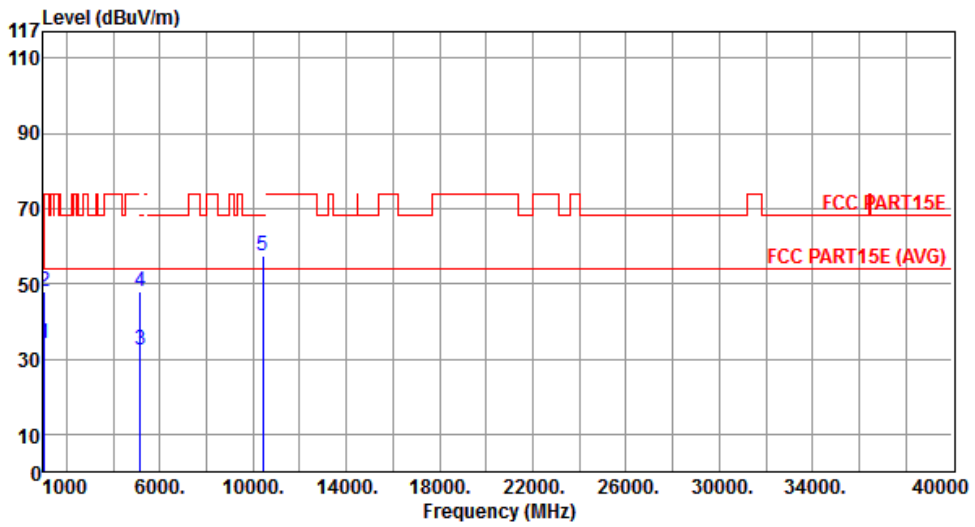
Polarization	Horizontal	**Test Freq. (MHz)**	5210
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.77	54.00	-18.23	44.98	-9.21	Average	---	---
2	1050.00	48.75	74.00	-25.25	57.96	-9.21	Peak	---	---
3	5150.00	33.04	54.00	-20.96	28.10	4.94	Average	---	---
4	5150.00	49.44	74.00	-24.56	44.50	4.94	Peak	---	---
5	10420.00	59.18	68.30	-9.12	44.41	14.77	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

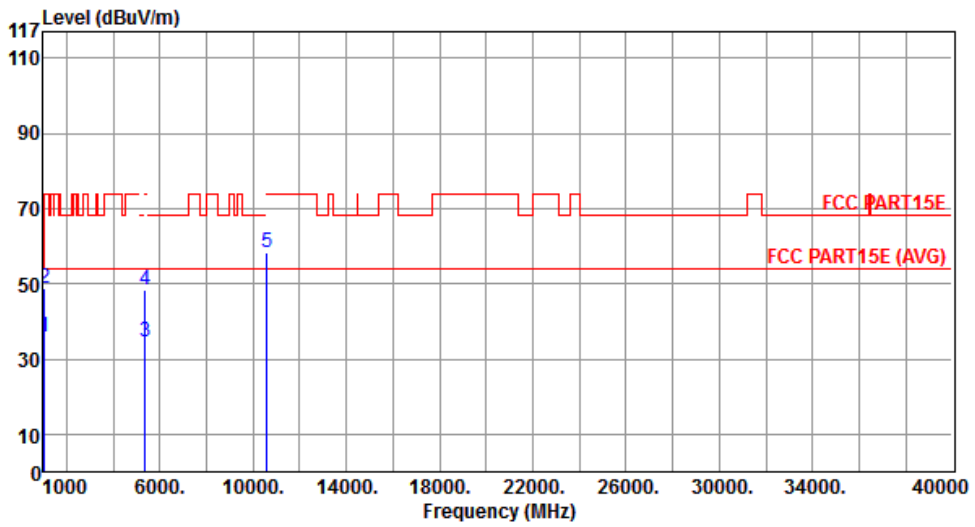
Polarization	Vertical	**Test Freq. (MHz)**	5210
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.14	54.00	-19.86	43.35	-9.21	Average	---	---
2	1050.00	47.77	74.00	-26.23	56.98	-9.21	Peak	---	---
3	5150.00	32.54	54.00	-21.46	27.60	4.94	Average	---	---
4	5150.00	47.77	74.00	-26.23	42.83	4.94	Peak	---	---
5	10420.00	57.56	68.30	-10.74	42.79	14.77	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

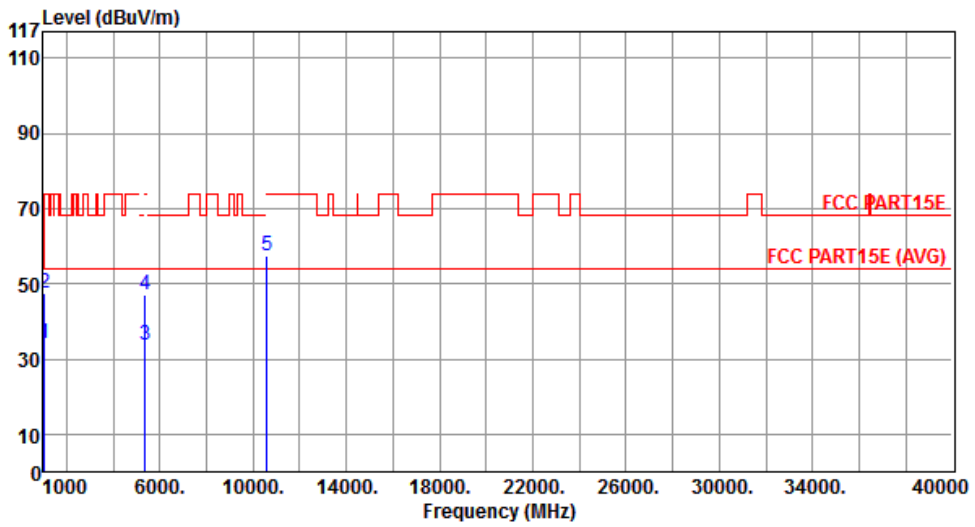
Polarization	Horizontal	**Test Freq. (MHz)**	5290
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	35.81	54.00	-18.19	45.02	-9.21	Average	---	---
2	1050.00	48.81	74.00	-25.19	58.02	-9.21	Peak	---	---
3	5350.00	34.69	54.00	-19.31	29.60	5.09	Average	---	---
4	5350.00	48.39	74.00	-25.61	43.30	5.09	Peak	---	---
5	10580.00	58.13	68.30	-10.17	43.20	14.93	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

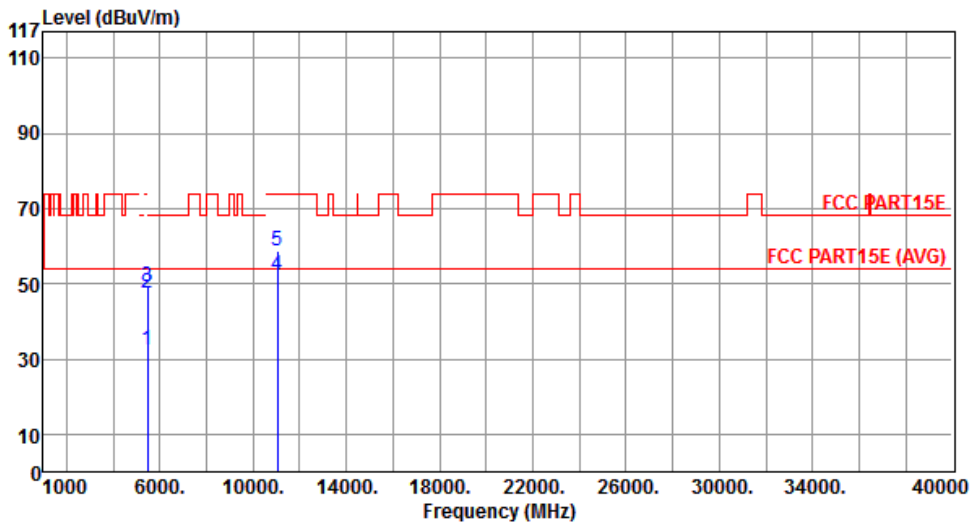
Polarization	Vertical	**Test Freq. (MHz)**	5290
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1050.00	34.17	54.00	-19.83	43.38	-9.21	Average	---	---
2	1050.00	47.65	74.00	-26.35	56.86	-9.21	Peak	---	---
3	5350.00	33.59	54.00	-20.41	28.50	5.09	Average	---	---
4	5350.00	47.00	74.00	-27.00	41.91	5.09	Peak	---	---
5	10580.00	57.53	68.30	-10.77	42.60	14.93	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

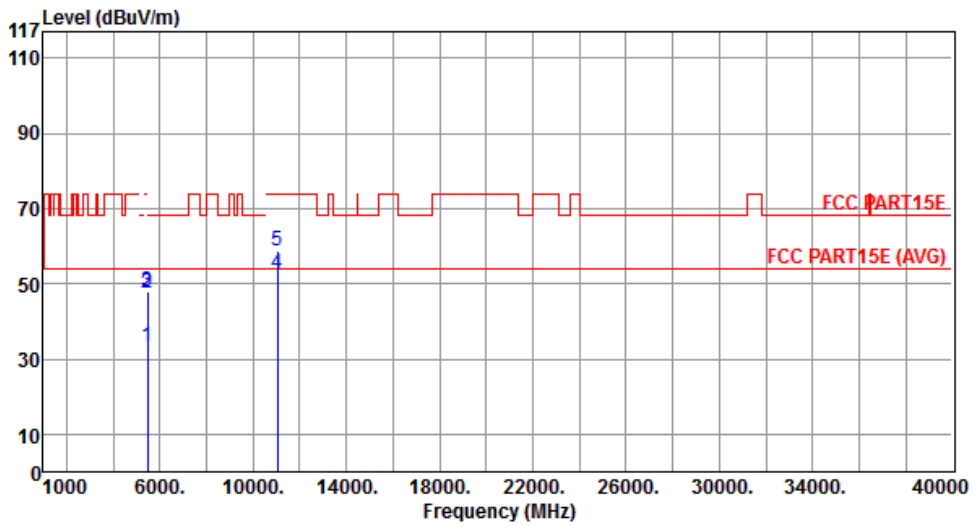
Polarization	Horizontal	**Test Freq. (MHz)**	5530
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	32.48	54.00	-21.52	27.30	5.18	Average	---	---
2	5460.00	47.58	74.00	-26.42	42.40	5.18	Peak	---	---
3	5470.00	49.39	68.30	-18.91	44.20	5.19	Peak	---	---
4	11060.00	52.15	54.00	-1.85	36.91	15.24	Average	---	---
5	11060.00	58.81	74.00	-15.19	43.57	15.24	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Polarization	Vertical	**Test Freq. (MHz)**	5530
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	33.08	54.00	-20.92	27.90	5.18	Average	---	---
2	5460.00	47.48	74.00	-26.52	42.30	5.18	Peak	---	---
3	5470.00	47.99	68.30	-20.31	42.80	5.19	Peak	---	---
4	11060.00	52.82	54.00	-1.18	37.58	15.24	Average	---	---
5	11060.00	58.75	74.00	-15.25	43.51	15.24	Peak	---	---

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

3.7 Frequency Stability

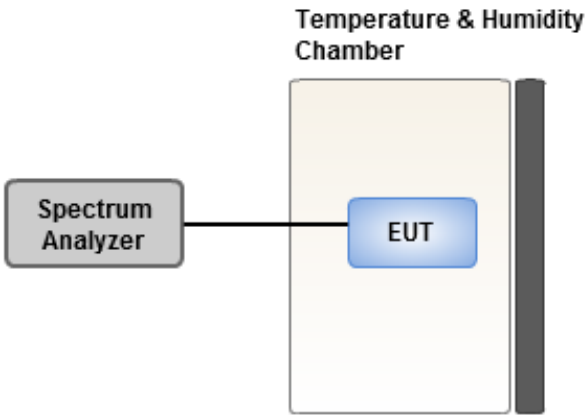
3.7.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.7.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

3.7.3 Test Setup



3.7.4 Test Result of Frequency Stability

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	0.68	1.15	0.93	0.38
T20°CVmin	5.61	5.78	5.98	6.09
T50°CVnom	2.51	3.07	4.04	5.31
T40°CVnom	3.65	3.52	3.65	3.94
T30°CVnom	-0.42	-0.53	-0.38	-0.73
T20°CVnom	-0.10	-0.16	-0.09	0.25
T10°CVnom	1.93	1.98	2.17	1.58
T0°CVnom	1.82	2.19	1.44	2.24
T-10°CVnom	1.55	1.39	1.54	2.40
T-20°CVnom	0.74	0.36	1.61	0.91
T-30°CVnom	1.30	1.66	1.42	1.14
Vnom [Vdc]: 3.9		Vmax [Vdc]: 4.29		Vmin [Vdc]: 3.51
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

═END═