FCC Test Report

Equipment	:	Mobile Phone
Brand Name	:	Xi
Model No.	:	F-06E
FCC ID	:	VQK-F06E
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5250 MHz – 5350 MHz 5470 MHz – 5725 MHz
FCC Classification	:	NII
Applicant Manufacturer	:	FUJITSU LIMITED 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki 211-8588, Japan
Operate Mode	:	Client

The product sample received on Mar. 09, 2013 and completely tested on Mar. 29, 2013. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2009 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Vic Hsiao / Supervisor

Testing Laboratory
1190

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Summary of Test Result

Conformance Test Specifications					
Report Clause	**Ref. Std. Clause**	**Description**	**Measured**	**Limit**	**Result**
1.1.2	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]: 1.540MHz 33.17 (Margin 12.83dB) - AV 37.94 (Margin 18.06dB) - QP	FCC 15.207	Complied
3.2	15.407(a)	Emission Bandwidth	Bandwidth [MHz] 20M:22.90 / 40M:50.55 80M :86.03	Information only	Complied
3.3	15.407(a)	RF Output Power (Maximum Average Output Power)	Power [dBm] 5150-5250MHz:9.99 5250-5350MHz:9.87 5470-5725MHz:9.46	Power [dBm] 5150-5250MHz:17 5250-5350MHz:24 5470-5725MHz:24	Complied
3.4	15.407(a)	Peak Power Spectral Density	PPSD [dBm/MHz] -1.53 dBm	PPSD [dBm/MHz] 5150-5250MHz:4 5250-5350MHz:17 5470-5725MHz:17	Complied
3.5	15.407(a)	Peak Excursion	10.62 dB	13 dB	Complied
3.6	15.407(b)	Transmitter Radiated Bandedge Emissions	Restricted Bands [dBuV/m at 3m]: 5350.06MHz 62.52 (Margin 11.48dB) - PK 40.86 (Margin 13.14dB) - AV	Non-Restricted Bands: ≤ -27dBm (68.3dBuV/m@3m) Restricted Bands: FCC 15.209	Complied
3.7	15.407(b)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]: 10620.00MHz 44.38 (Margin 9.62dB) – AV 55.71 (Margin 18.29dB) - PK	Non-Restricted Bands: ≤ -27dBm (68.3dBuV/m@3m) Restricted Bands: FCC 15.209	Complied
0	15.407(g)	Frequency Stability	11.18 ppm	Signal shall remain in-band	Complied

Revision History

Report No.	Version	Description	Issued Date
FR322231AN	Rev. 01	Initial issue of report	Apr. 03, 2013

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information						
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**	**Co-location**
5150-5250	a	5180-5240	36-48 [4]	1	9.86	YES
5150-5250	n (HT20)	5180-5240	36-48 [4]	1	9.97	YES
5150-5250	n (HT40)	5190-5230	38-46 [2]	1	9.99	YES
5150-5250	ac (VHT20)	5180-5240	36-48 [4]	1	9.93	YES
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	1	9.88	YES
5150-5250	ac (VHT80)	5210	42 [1]	1	8.84	YES
5250-5350	a	5260-5320	52-64 [4]	1	9.73	YES
5250-5350	n (HT20)	5260-5320	52-64 [4]	1	9.82	YES
5250-5350	n (HT40)	5270-5310	54-62 [2]	1	8.93	YES
5250-5350	ac (VHT20)	5260-5320	52-64 [4]	1	9.87	YES
5250-5350	ac (VHT40)	5270-5310	54-62 [2]	1	9.25	YES
5250-5350	ac (VHT80)	5290	58 [1]	1	8.89	YES
5470-5725	a	5550-5700	100-140 [8]	1	8.71	YES
5470-5725	n (HT20)	5550-5700	100-140 [8]	1	8.98	YES
5470-5725	n (HT40)	5510-5670	102-134 [3]	1	8.49	YES
5470-5725	ac (VHT20)	5500-5700	100-140 [8]	1	9.46	YES
5470-5725	ac (VHT40)	5510-5670	102-134 [3]	1	8.89	YES
5470-5725	ac (VHT80)	5530	106 [1]	1	8.29	YES

Note 1: RF output power specifies that Maximum Average Output Power.
Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
Note 3: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (EUT has simultaneously co-transmitting that operating Wi-Fi 5GHz and WWAN)
Note 4: IEEE802.11ac is draft version.

1.1.2 Antenna Information

Antenna Category	
☐	Equipment placed on the market without antennas
☒	Integral antenna (antenna permanently attached)
	☒ Temporary RF connector provided
	☐ No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
☐	External antenna (dedicated antennas)
	☐ Single power level with corresponding antenna(s).
	☐ Multiple power level and corresponding antenna(s).
	☐ RF connector provided
	☐ Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type…)
	☐ Standard antenna connector. (e.g., SMA, N, BNC, and TNC type…)

Antenna General Information					
No.	**Ant. Cat.**	**Ant. Type**	**Brand**	**Model**	**Gain (dBi)**
1	Integral	λ /4 Monopole	-	-	-4

1.1.3 Type of EUT

Identify EUT	
EUT Serial Number	N/A
IMEI No.	355250050011164 / 355250050008145
Presentation of Equipment	☐ Production ; ☒ Pre-Production ; ☐ Prototype
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: …
☐	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: …
☐	Other:

1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle	
☐ Operated normally mode for worst duty cycle	
☒ Operated test mode for worst duty cycle	
Test Signal Duty Cycle (x)	**Power Duty Factor [dB] – (10 log 1/x)**
☒ 88.43% - IEEE 802.11a	0.53
☒ 87.75% - IEEE 802.11n (HT20)	0.57
☒ 87.40% - IEEE 802.11n (HT40)	0.58
☒ 84.24% - IEEE 802.11n (VHT20)	0.75
☒ 84.31% - IEEE 802.11n (VHT40)	0.74
☒ 84.06% - IEEE 802.11n (VHT80)	0.75

1.1.5 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 (-20°C)

1.2 Accessories and Support Equipment

Accessories				
No.	**Equipment**	**Brand Name**	**Model Name**	**Spec.**
1	Cradle	Fujitsu limited	CA50601-1791	5.0Vdc, 1.5A
2	Battery	Fujitsu limited	CA54310-0046	3.8V, 3,020mA Li-ion

Support Equipment AC Line Conducted Emission Radiated Below / Above 1GHz Test				
No.	**Equipment**	**Brand Name**	**Model Name**	**Spec.**
1	AC Adapter (provided by client)	NTT docomo	AC Adaptor 04	I/P:100-240Vac, 50~60Hz O/P:5Vdc, 1800mA Power cord: 1m non-shielded cable w/ 2 cores.
2	Earphone	Apple	MD827FE/A	-

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2009
- FCC KDB 789033
- FCC KDB 662911
- FCC KDB 412172

1.4 Testing Location Information

Testing Location					
☒	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055			
☐	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085			
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
RF Conducted		TH01-HY	Ian Du	22°C / 64%	12-Mar-13 ~ 14-Mar-13
AC Conduction		CO04-HY	Bill Hsiao	23°C / 51%	29-Mar-13
Radiated Emission		03CH05-HY	Daniel Hsu	22°C / 55%	09-Mar-13 ~ 11-Mar-13
Test site registered number [643075] with FCC. Test site registered number [4086B-1] with IC.					

1.5 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			
Test Item		**Uncertainty**	**Limit**
AC power-line conducted emissions		±2.26 dB	N/A
Emission bandwidth		±1.42 %	N/A
RF output power, conducted		±0.63 dB	N/A
Power density, conducted		±0.81 dB	N/A
Unwanted emissions, conducted	30 – 1000 MHz	±0.51 dB	N/A
	1 – 18 GHz	±0.67 dB	N/A
	18 – 40 GHz	±0.83 dB	N/A
	40 – 200 GHz	N/A	N/A
All emissions, radiated	30 – 1000 MHz	±2.56 dB	N/A
	1 – 18 GHz	±3.59 dB	N/A
	18 – 40 GHz	±3.82 dB	N/A
	40 – 200 GHz	N/A	N/A
Temperature		±0.8 °C	N/A
Humidity		±3 %	N/A
DC and low frequency voltages		±3 %	N/A
Time		±1.42 %	N/A
Duty Cycle		±1.42 %	N/A

2 Test Configuration of EUT

2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing (5150-5250MHz)				
Modulation Mode	**Transmit Chains (N_{TX})**	**Data Rate / MCS**	**Worst Data Rate / MCS**	**Output Power (dBm)**
11a,6-54Mbps	1	6-54Mbps	6 Mbps	9.86
HT20,M0-7	1	M0-7	MCS 0	9.97
HT40,M0-7	1	M0-7	MCS 0	9.99
VHT20,M0-8	1	M0-8	Nss=1, MCS 0	9.93
VHT40,M0-8	1	M0-8	Nss=1, MCS 0	9.88
VHT80,M0-9	1	M0-9	Nss=1, MCS 0	8.84
Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT support HT20 and HT40. Note 2: Modulation modes consist of below configuration: 11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n.				

Worst Modulation Used for Conformance Testing (5250-5350MHz)				
Modulation Mode	**Transmit Chains (N_{TX})**	**Data Rate / MCS**	**Worst Data Rate / MCS**	**Output Power (dBm)**
11a,6-54Mbps	1	6-54Mbps	6 Mbps	9.73
HT20,M0-7	1	M0-7	MCS 0	9.82
HT40,M0-7	1	M0-7	MCS 0	8.93
VHT20,M0-8	1	M0-8	Nss=1, MCS 0	9.87
VHT40,M0-8	1	M0-8	Nss=1, MCS 0	9.25
VHT80,M0-9	1	M0-9	Nss=1, MCS 0	8.89
Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT support HT20 and HT40. Note 2: Modulation modes consist of below configuration: 11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n.				

Worst Modulation Used for Conformance Testing (5470-5725MHz)				
Modulation Mode	**Transmit Chains (N_{TX})**	**Data Rate / MCS**	**Worst Data Rate / MCS**	**Output Power (dBm)**
11a,6-54Mbps	1	6-54Mbps	6 Mbps	8.71
HT20,M0-7	1	M0-7	MCS 0	8.98
HT40,M0-7	1	M0-7	MCS 0	8.49
VHT20,M0-8	1	M0-8	Nss=1, MCS 0	9.46
VHT40,M0-8	1	M0-8	Nss=1, MCS 0	8.89
VHT80,M0-9	1	M0-9	Nss=1, MCS 0	8.29
Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT support HT20 and HT40. Note 2: Modulation modes consist of below configuration: 11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n.				

2.2 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration		
Frequency Range (MHz)	**IEEE Std. 802.11**	**Test Channel Freq. (MHz) – FX (Frequencies Abbreviations)**
5150-5250	a, n (HT20) / ac (VHT20)	5180-(F1), 5200-(F2), 5240-(F3)
5150-5250	n (HT40) / ac (VHT40)	5190-(F1'), 5230-(F2')
5150-5250	ac (VHT80)	5210-(F1'')
5250-5350	a, n (HT20) / ac (VHT20)	5260-(F4), 5300-(F5), 5320-(F6)
5250-5350	n (HT40) / ac (VHT40)	5270-(F3'), 5310-(F4')
5250-5350	ac (VHT80)	5290-(F2'')
5470-5725	a, n (HT20) / ac (VHT20)	5500-(F7), 5580-(F8), 5700-(F9)
5470-5725	n (HT40) / ac (VHT40)	5510-(F5'), 5550-(F6'), 5670-(F7')
5470-5725	ac (VHT80)	5530-(F3'')

2.3 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5150-5250 MHz band)								
Test Software Version	QRCT V3.0.7.0							
Modulation Mode	**N_{TX}**	**Test Frequency (MHz)**						
		NCB: 20MHz			**NCB: 40MHz**			**NCB: 80MHz**
		5180	**5200**	**5240**	**5190**	**5230**	**-**	**5210**
11a,6-54Mbps	1	8 / -7	8 / -7	8 / -9	-	-	-	-
HT20,M0-M7	1	8 / -7	8 / -7	8 / -9	-	-	-	-
HT40,M0-M7	1	-	-	-	8 / -9	8 / -8	-	-
VHT20,M0-M8	1	8 / -7	8 / -7	8 / -9	-	-	-	-
VHT40,M0-M8	1	-	-	-	8 / -9	8 / -8	-	-
VHT80,M0-M9	1	-	-	-	-	-	-	8 / -9

The Worst Case Power Setting Parameter (5250-5350 MHz band)								
Test Software Version	QRCT V3.0.7.0							
Modulation Mode	**N_{TX}**	**Test Frequency (MHz)**						
		NCB: 20MHz			**NCB: 40MHz**			**NCB: 80MHz**
		5260	**5300**	**5320**	**5270**	**5310**	**-**	**5290**
11a,6-54Mbps	1	8 / -9	8 / -11	8 / -9	-	-	-	-
HT20,M0-M7	1	8 / -9	8 / -11	8 / -9	-	-	-	-
HT40,M0-M7	1	-	-	-	8 / -12	8 / -12	-	-
VHT20,M0-M8	1	8 / -9	8 / -8	8 / -8	-	-	-	-
VHT40,M0-M8	1	-	-	-	8 / -11	8 / -11	-	-
VHT80,M0-M9	1	-	-	-	-	-	-	8 / -11

The Worst Case Power Setting Parameter (5470-5725 MHz band)								
Test Software Version	QRCT V3.0.7.0							
Modulation Mode	**N_{TX}**	**Test Frequency (MHz)**						
		NCB: 20MHz			**NCB: 40MHz**			**NCB: 80MHz**
		5500	**5580**	**5700**	**5510**	**5550**	**5670**	**5530**
11a,6-54Mbps	1	8 / -13	8 / -14	8 / -5	-	-	-	-
HT20,M0-M7	1	8 / -13	8 / -14	8 / -5	-	-	-	-
HT40,M0-M7	1	-	-	-	8 / -14	8 / -14	8 / -6	-
VHT20,M0-M8	1	8 / -11	8 / -11	8 / -4	-	-	-	-
VHT40,M0-M8	1	-	-	-	8 / -12	8 / -12	8 / -6	-
VHT80,M0-M9	1	-	-	-	-	-	-	8 / -12

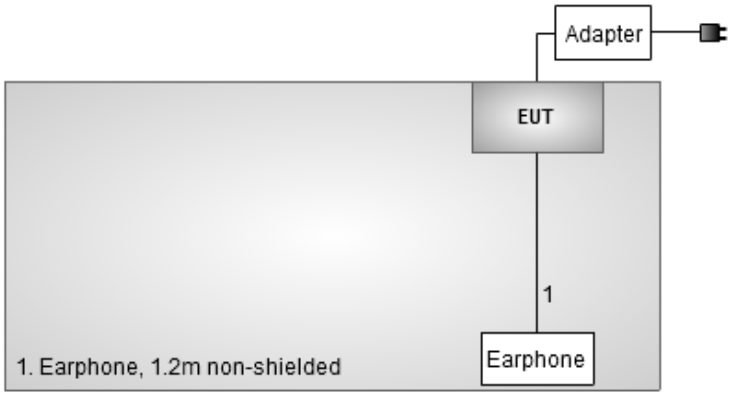
2.4 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	AC power & Radio link (WLAN)
2	AC power with cradle & Radio link (WLAN)
For operating mode 1 is the worst case and it was record in this test report.	

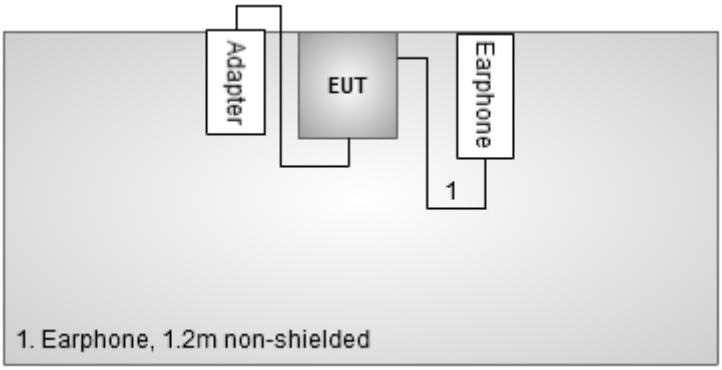
The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, Peak Power Spectral Density, Emission Bandwidth, Peak Excursion
Test Condition	Conducted measurement at transmit chains
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80

The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
User Position	☐ EUT will be placed in fixed position.		
	☐ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is X.		
	☒ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes. The worst planes is Y.		
Operating Mode < 1GHz	☒ 1. AC power & Radio link (WLAN)		
	☒ 2. AC power with cradle & Radio link (WLAN)		
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
For operating mode 1 is the worst case and it was record in this test report.			

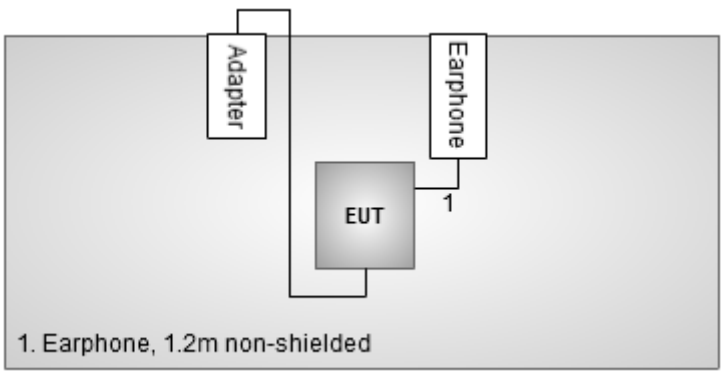
2.5 Test Setup Diagram



Test Setup Diagram - Radiated Below 1GHz Test



Test Setup Diagram - Radiated Above 1GHz Test



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line 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 Measuring Instruments

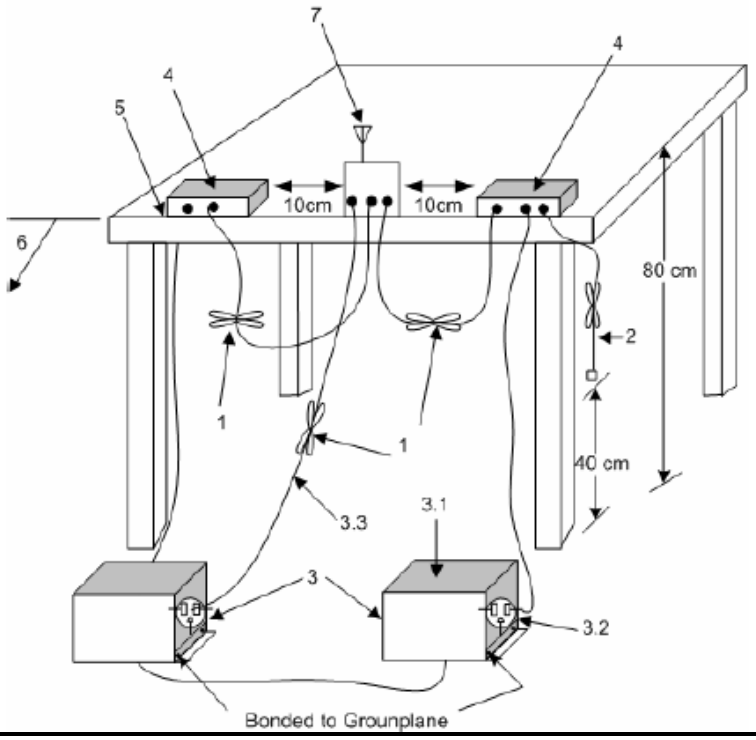
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2009, clause 6.2 for AC power-line conducted emissions.

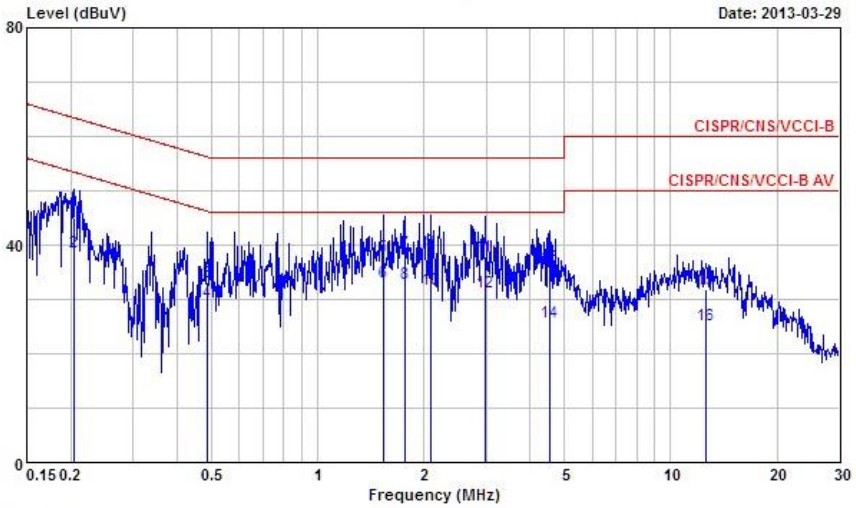
3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

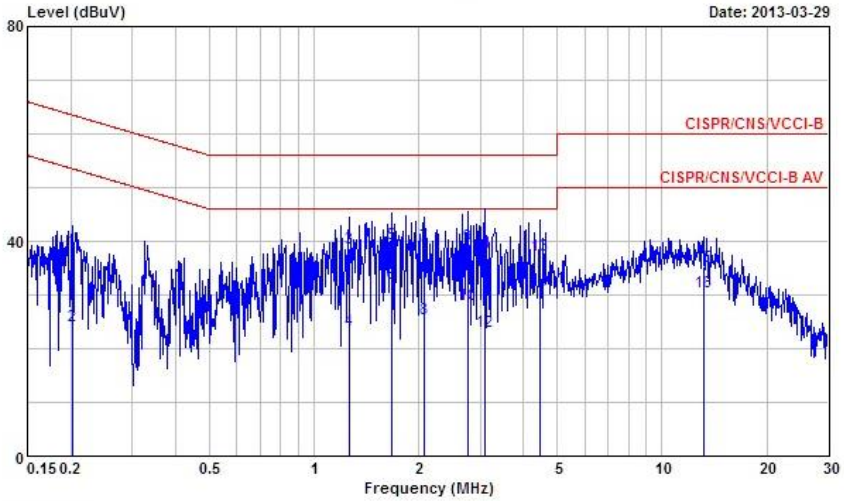
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	AC power & Radio link (WLAN)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.2050460	45.02	-18.38	63.40	44.61	0.11	0.30	QP
2	0.2050460	38.72	-14.68	53.40	38.31	0.11	0.30	Average
3	0.4889010	33.04	-23.15	56.19	32.56	0.10	0.38	QP
4	0.4889010	29.38	-16.81	46.19	28.90	0.10	0.38	Average
5	1.540	37.94	-18.06	56.00	37.46	0.12	0.36	QP
6 @	1.540	33.17	-12.83	46.00	32.69	0.12	0.36	Average
7	1.760	38.56	-17.44	56.00	38.05	0.13	0.38	QP
8 @	1.760	32.81	-13.19	46.00	32.30	0.13	0.38	Average
9	2.090	38.86	-17.14	56.00	38.34	0.13	0.39	QP
10 @	2.090	31.93	-14.07	46.00	31.41	0.13	0.39	Average
11	2.980	38.00	-18.00	56.00	37.52	0.14	0.34	QP
12	2.980	31.27	-14.73	46.00	30.79	0.14	0.34	Average
13	4.550	36.18	-19.82	56.00	35.72	0.16	0.30	QP
14	4.550	25.73	-20.27	46.00	25.27	0.16	0.30	Average
15	12.580	31.78	-28.22	60.00	31.16	0.26	0.36	QP
16	12.580	25.26	-24.74	50.00	24.64	0.26	0.36	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	AC power & Radio link (WLAN)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.2018130	38.49	-25.05	63.54	37.96	0.23	0.30	QP
2	0.2018130	24.33	-29.21	53.54	23.80	0.23	0.30	Average
3	1.260	38.73	-17.27	56.00	38.16	0.24	0.33	QP
4	1.260	23.36	-22.64	46.00	22.79	0.24	0.33	Average
5	1.670	39.54	-16.46	56.00	38.93	0.24	0.37	QP
6 @	1.670	32.01	-13.99	46.00	31.40	0.24	0.37	Average
7	2.080	39.13	-16.87	56.00	38.49	0.25	0.39	QP
8	2.080	25.54	-20.46	46.00	24.90	0.25	0.39	Average
9	2.760	39.26	-16.74	56.00	38.64	0.27	0.35	QP
10	2.760	28.18	-17.82	46.00	27.56	0.27	0.35	Average
11	3.090	37.90	-18.10	56.00	37.28	0.28	0.34	QP
12	3.090	23.17	-22.83	46.00	22.55	0.28	0.34	Average
13	4.450	37.36	-18.64	56.00	36.76	0.30	0.30	QP
14	4.450	30.67	-15.33	46.00	30.07	0.30	0.30	Average
15	13.200	35.26	-24.74	60.00	34.41	0.48	0.37	QP
16	13.200	30.42	-19.58	50.00	29.57	0.48	0.37	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth (EBW) Limit

Emission Bandwidth (EBW) Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the maximum conducted output power shall not exceed the lesser of 50 mW or 4 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.825 GHz band, the maximum conducted output power shall not exceed the lesser of 1 W or 17 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.825 GHz band, the maximum e.i.r.p. shall not exceed 4.0 W or 23 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

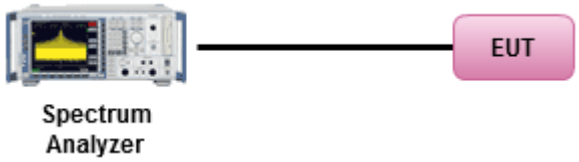
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method		
☒	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033, clause D for EBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☒	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
☒	For conducted measurement.	
	☒	The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☐	The EUT supports multiple transmit chains using options given below:
		☐ Option 1: Multiple transmit chains measurements need to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
		☐ Option 2: Multiple transmit chains measurements need to be performed on each transmit chains individually (antenna outputs). All measurement had be performed on all transmit chains.

3.2.4 Test Setup

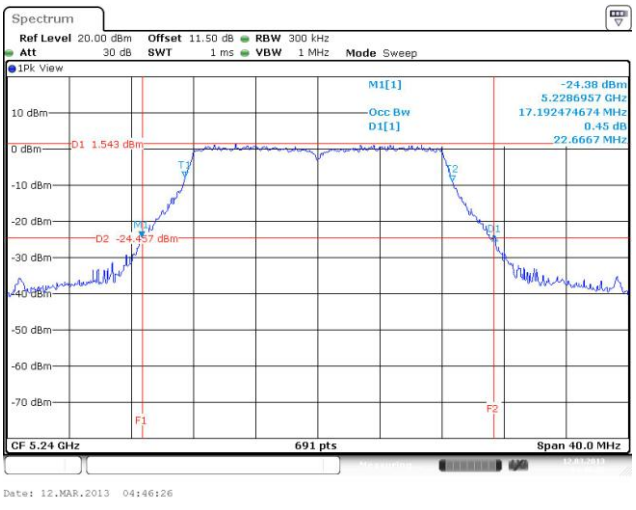
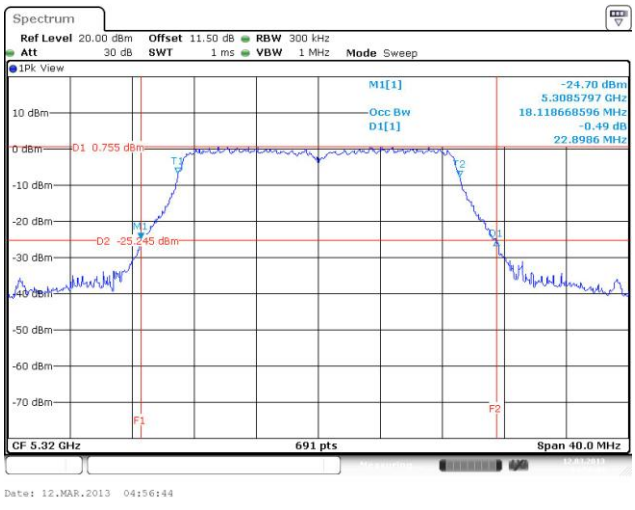
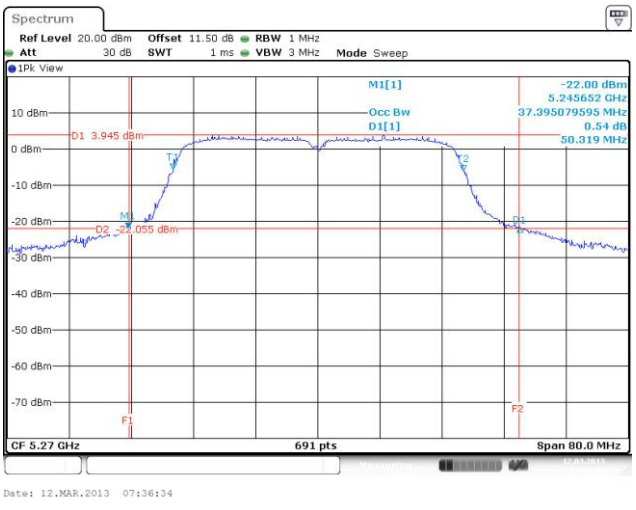
Emission Bandwidth


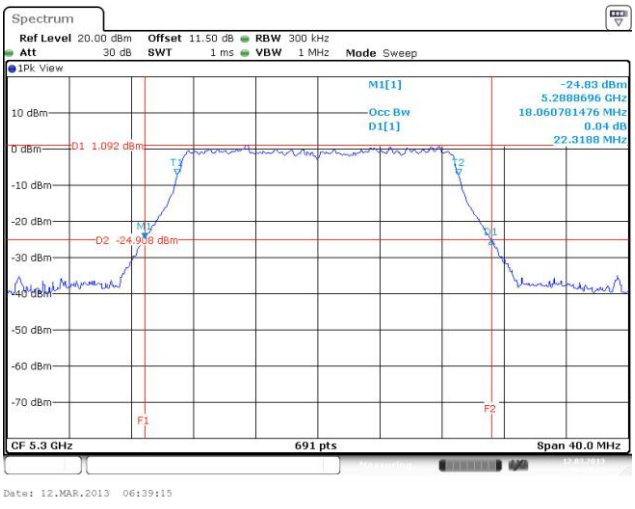
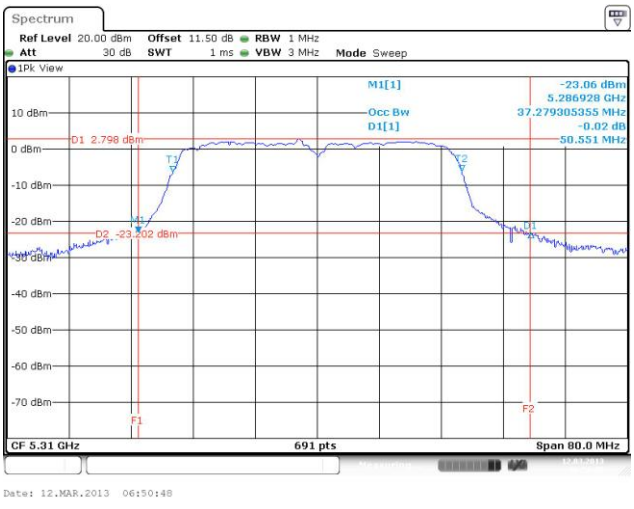
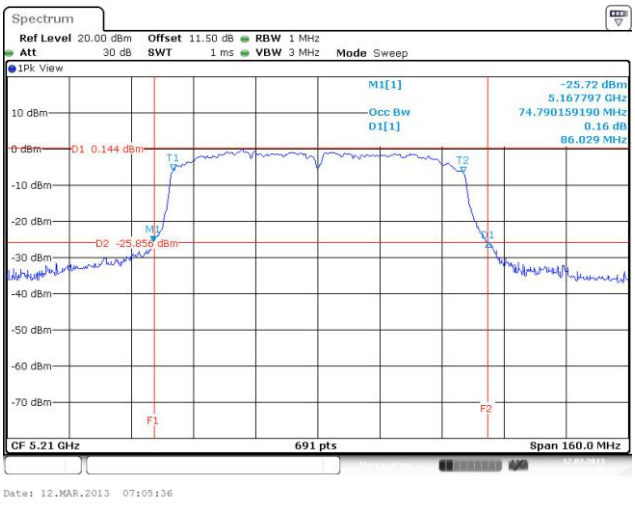
3.2.5 Test Result of Emission Bandwidth

Condition		Emission Bandwidth (MHz)							
N_{TX}	Freq. (MHz)	99% Bandwidth			26dB Bandwidth			Power Limit	
		11a	HT20	VHT20	11a	HT20	VHT20	99% BW	26dB BW
1	5180	17.13	18.12	18.06	22.55	22.55	22.26	16.34	17.00
1	5200	17.19	18.12	18.12	22.55	22.84	22.26	16.35	17.00
1	5240	17.19	18.12	18.06	22.67	22.61	22.26	16.35	17.00
1	5260	17.13	18.12	18.06	22.32	22.55	22.20	23.34	24.00
1	5300	17.13	18.12	18.06	22.20	22.67	22.32	23.34	24.00
1	5320	17.13	18.12	18.06	22.14	22.90	22.32	23.34	24.00
1	5500	17.13	18.12	18.06	22.32	22.61	22.09	23.34	24.00
1	5580	17.25	18.23	18.06	22.32	22.67	22.26	23.37	24.00
1	5700	17.13	18.18	18.06	22.32	22.67	22.20	23.34	24.00
Result		Complied							

Condition		Emission Bandwidth (MHz)							
N_{TX}	Freq. (MHz)	99% Bandwidth			26dB Bandwidth			Power Limit	
		HT40	VHT40	-	HT40	VHT40	-	99% BW	26dB BW
1	5190	36.93	36.93	-	45.22	44.64	-	17.00	17.00
1	5230	37.16	36.93	-	50.20	44.75	-	17.00	17.00
1	5270	37.40	37.16	-	50.32	49.04	-	24.00	24.00
1	5310	37.28	37.28	-	48.23	50.55	-	24.00	24.00
1	5510	37.40	37.16	-	48.46	48.81	-	24.00	24.00
1	5550	37.05	37.28	-	45.57	48.23	-	24.00	24.00
1	5670	37.05	37.05	-	48.35	45.68	-	24.00	24.00
Result		Complied							

Condition		Emission Bandwidth (MHz)							
N_{TX}	Freq. (MHz)	99% Bandwidth			26dB Bandwidth			Power Limit	
		VHT 80	-	-	VHT 80	-	-	99% BW	26dB BW
1	5210	74.79	-	-	86.03	-	-	17.00	17.00
1	5290	74.79	-	-	86.03	-	-	24.00	24.00
1	5530	75.02	-	-	85.80	-	-	24.00	24.00
Result		Complied							

Worst Emission Bandwidth Plots	
11a	**HT20**
	
HT40	
	

Worst Emission Bandwidth Plots	
VHT20	**VHT40**
	
VHT80	
	

3.3 RF Output Power

3.3.1 RF Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 50 mW or 4 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.725-5.825 GHz band:
	☐ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W or 17 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	☐ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W or 17 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
LE-LAN Devices	
☒	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☒	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☒	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.825 GHz band, the maximum e.i.r.p. shall not exceed 4.0 W or 23 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
	☐ Point-to-multipoint systems (P2M): the maximum e.i.r.p. shall not exceed 4.0 W or 23 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
	☐ Point-to-point systems (P2P): the maximum e.i.r.p. shall not exceed 4.0 W or 23 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If e.i.r.p. > 36 dBm, $G_{TX} \leq P_{Out}$
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

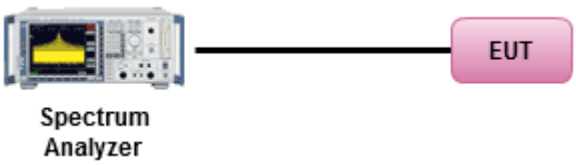
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
☒	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 789033, clause C Method SA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause C Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033, clause C Method SA-2 (spectral trace averaging).
	☒ Refer as FCC KDB 789033, clause C Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause C Method PM (using an RF average power meter).
☒	For conducted measurement.
	☒ The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐ The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☐ The EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	☐ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter) for 11a / HT20 / HT40 / VHT20 / VHT40


RF Output Power (Spectrum analyzer) for VHT 80


3.3.5 Directional Gain for Power Measurement

Directional Gain (DG) Result					
Transmit Chains No.		1		-	-
Maximum G_{ANT} (dBi)		-4		-	-
Modulation Mode	**DG (dBi)**	**N_{TX}**	**N_{SS}**	**STBC**	**Array Gain (dB)**
11a,6-54Mbps	-4	1	1	-	-
HT20,MCS 0-7	-4	1	1	-	-
HT40,MCS 0-7	-4	1	1	-	-
VHT20,MCS 0-8	-4	1	1	-	-
VHT40,MCS 0-9	-4	1	1	-	-
VHT80,MCS 0-9	-4	1	1	-	-

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}
Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain =$10 \log[(10^{G1/20} + \ldots + 10^{GN/20})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G1/10} + \ldots + 10^{GN/10})/N_{TX}]$
Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where Nss = the number of independent spatial streams data.
Note 4: For CDD transmissions, directional gain is calculated as power measurements:
Directional Gain (DG) = G_{ANT} + Array Gain, where Array Gain is as follows:
Array Gain = 0 dB (i.e., no array gain) for $N_{TX} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{TX};

3.3.6 Test Result of Maximum Conducted Output Power

Condition		RF Output Power (dBm)								
N_{TX}	Freq. (MHz)	Conducted power			Power Limit	DG (dBi)	EIRP Power			EIRP Limit
		11a	HT20	VHT20			11a	HT20	VHT20	
1	5180	9.86	9.97	9.93	17.00	-4.00	5.86	5.97	5.93	23
1	5200	9.59	9.57	9.61	17.00	-4.00	5.59	5.57	5.61	23
1	5240	9.75	9.92	9.78	17.00	-4.00	5.75	5.92	5.78	23
1	5260	9.73	9.82	9.85	24.00	-4.00	5.73	5.82	5.85	30
1	5300	9.16	9.18	9.64	24.00	-4.00	5.16	5.18	5.64	30
1	5320	9.64	9.69	9.87	24.00	-4.00	5.64	5.69	5.87	30
1	5500	8.71	8.98	9.46	24.00	-4.00	4.71	4.98	5.46	30
1	5580	8.28	8.31	9.11	24.00	-4.00	4.28	4.31	5.11	30
1	5700	8.26	8.32	8.53	24.00	-4.00	4.26	4.32	4.53	30
Result		Complied								

Condition		RF Output Power (dBm)								
N_{TX}	Freq. (MHz)	Conducted power			Power Limit	DG (dBi)	EIRP Power			EIRP Limit
		HT40	VHT40	-			HT40	VHT40	-	
1	5190	9.28	9.41	-	17.00	-4.00	5.28	5.41	-	23
1	5230	9.99	9.88	-	17.00	-4.00	5.99	5.88	-	23
1	5270	8.93	9.25	-	17.00	-4.00	4.93	5.25	-	23
1	5310	8.82	8.89	-	24.00	-4.00	4.82	4.89	-	30
1	5510	8.31	8.89	-	24.00	-4.00	4.31	4.89	-	30
1	5550	7.86	8.32	-	24.00	-4.00	3.86	4.32	-	30
1	5670	8.49	8.61	-	24.00	-4.00	4.49	4.61	-	30
Result		Complied								

Condition		RF Output Power (dBm)								
N_{TX}	Freq. (MHz)	Conducted power			Power Limit	DG (dBi)	EIRP Power			EIRP Limit
		VHT80	-	-			VHT80	-	-	
1	5210	8.84	-	-	17.00	-4.00	4.84	-	-	23
1	5290	8.89	-	-	24.00	-4.00	4.89	-	-	30
1	5530	8.29	-	-	24.00	-4.00	4.29	-	-	30
Result		Complied								

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz. If G_{TX} > 6 dBi, then PPSD = 4 – (G_{TX} – 6).
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.725-5.825 GHz band:
☐	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 17 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 17 – (G_{TX} – 6).
☐	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 17 dBm/MHz. If G_{TX} > 23 dBi, then PPSD = 17 – (G_{TX} – 23).
LE-LAN Devices	
☒	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☒	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☐	For the 5.725-5.825 GHz band, the peak power spectral density (PPSD) ≤ 17 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 23 dBm/MHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

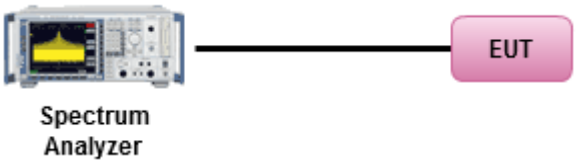
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
☒	Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 789033, clause C Method SA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause C Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033, clause C Method SA-2 (spectral trace averaging).
	☒ Refer as FCC KDB 789033, clause C Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.
	☒ The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐ The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☐ The EUT supports multiple transmit chains using options given below:
	☐ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	☐ Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	☐ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
	☐ Each individually PPSD plots refer as test report clause 3.3.5 with each individually PPSD plots.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Directional Gain for Power Spectral Density Measurement

Directional Gain (DG) Result					
Transmit Chains No.		1		-	-
Maximum G_{ANT} (dBi)		-4		-	-
Modulation Mode	**DG (dBi)**	**N_{TX}**	**N_{SS}**	**STBC**	**Array Gain (dB)**
11a,6-54Mbps	-4	1	1	-	-
HT-20,M0-M7	-4	1	1	-	-
HT-40,M0-M7	-4	1	1	-	-
VHT-20,M0-M8	-4	1	1	-	-
VHT-40,M0-M9	-4	1	1	-	-
VHT-80,M0-M9	-4	1	1	-	-

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}
Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain =$10 \log[(10^{G1/20} + \ldots + 10^{GN/20})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G1/10} + \ldots + 10^{GN/10})/N_{TX}]$
Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where Nss = the number of independent spatial streams data.
Note 4: For CDD transmissions, directional gain is calculated as power spectral density measurements:
Directional Gain (DG) = G_{ANT} + Array Gain, where Array Gain is as follows:
Array Gain = $10 \log(N_{TX}/N_{SS})$;

3.4.6 Test Result of Peak Power Spectral Density

Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5180	-2.26	0.53	-1.73	4.00	-4.00	-5.73	10.00
11a	1	5200	-2.21	0.53	-1.68	4.00	-4.00	-5.68	10.00
11a	1	5240	-2.06	0.53	-1.53	4.00	-4.00	-5.53	10.00
11a	1	5260	-2.21	0.53	-1.68	11.00	-4.00	-5.68	17.00
11a	1	5300	-2.74	0.53	-2.21	11.00	-4.00	-6.21	17.00
11a	1	5320	-2.26	0.53	-1.73	11.00	-4.00	-5.73	17.00
11a	1	5500	-3.11	0.53	-2.58	11.00	-4.00	-6.58	17.00
11a	1	5580	-3.77	0.53	-3.24	11.00	-4.00	-7.24	17.00
11a	1	5700	-3.49	0.53	-2.96	11.00	-4.00	-6.96	17.00
Result			Complied						

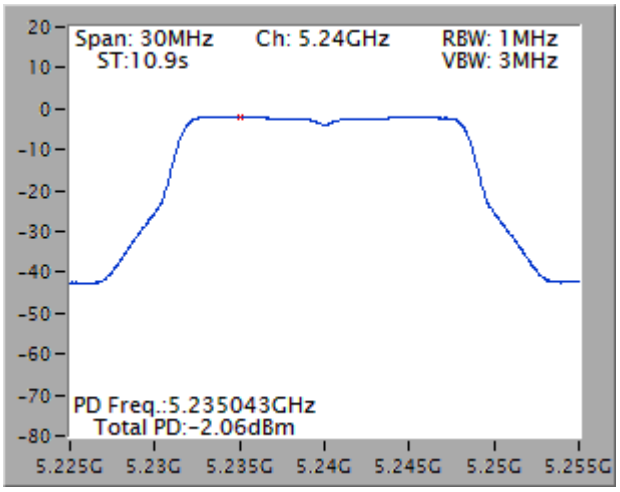
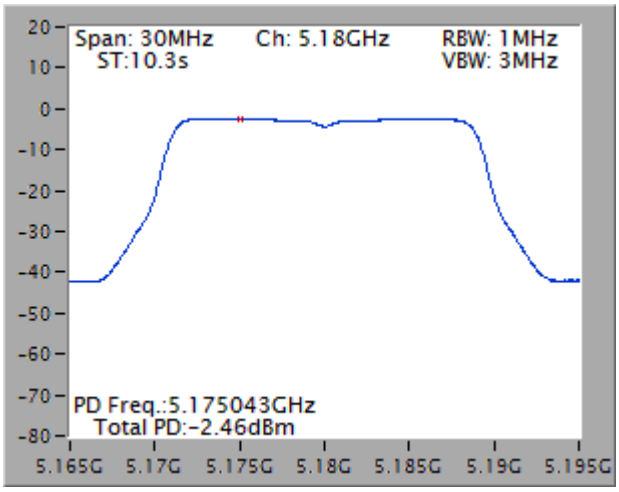
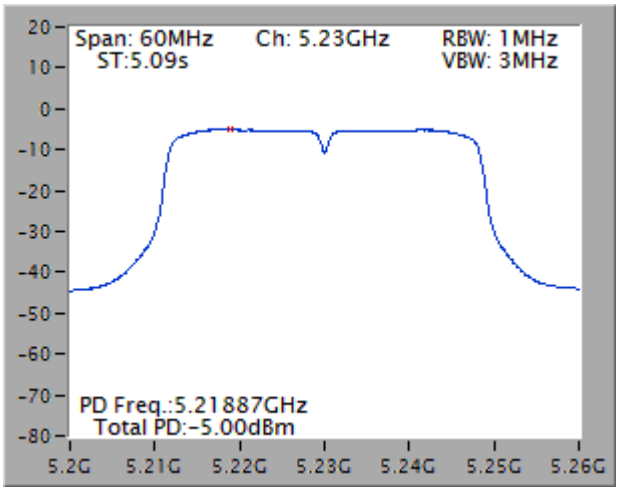
Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
HT20	1	5180	-2.46	0.57	-1.89	4.00	-4.00	-5.89	10.00
HT20	1	5200	-2.66	0.57	-2.09	4.00	-4.00	-6.09	10.00
HT20	1	5240	-2.46	0.57	-1.89	4.00	-4.00	-5.89	10.00
HT20	1	5260	-2.55	0.57	-1.98	11.00	-4.00	-5.98	17.00
HT20	1	5300	-3.06	0.57	-2.49	11.00	-4.00	-6.49	17.00
HT20	1	5320	-2.59	0.57	-2.02	11.00	-4.00	-6.02	17.00
HT20	1	5500	-3.42	0.57	-2.85	11.00	-4.00	-6.85	17.00
HT20	1	5580	-4.07	0.57	-3.50	11.00	-4.00	-7.50	17.00
HT20	1	5700	-3.75	0.57	-3.18	11.00	-4.00	-7.18	17.00
Result			Complied						

Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
HT40	1	5190	-5.66	0.58	-5.08	4.00	-4.00	-9.08	10.00
HT40	1	5230	-5.00	0.58	-4.42	4.00	-4.00	-8.42	10.00
HT40	1	5270	-6.11	0.58	-5.53	11.00	-4.00	-9.53	17.00
HT40	1	5310	-6.17	0.58	-5.59	11.00	-4.00	-9.59	17.00
HT40	1	5510	-6.52	0.58	-5.94	11.00	-4.00	-9.94	17.00
HT40	1	5550	-7.12	0.58	-6.54	11.00	-4.00	-10.54	17.00
HT40	1	5670	-6.28	0.58	-5.70	11.00	-4.00	-9.70	17.00
Result			Complied						

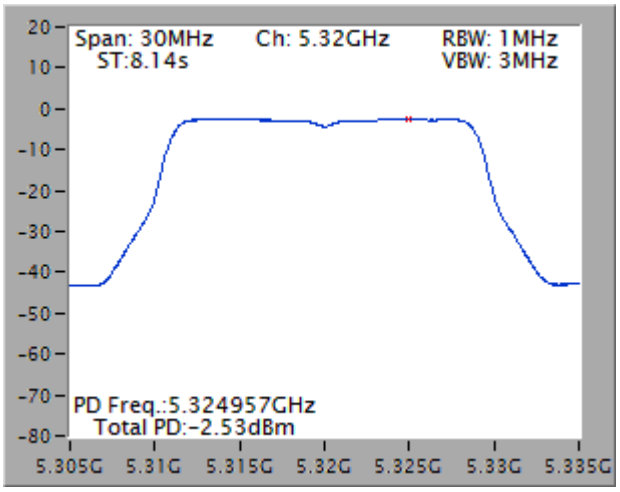
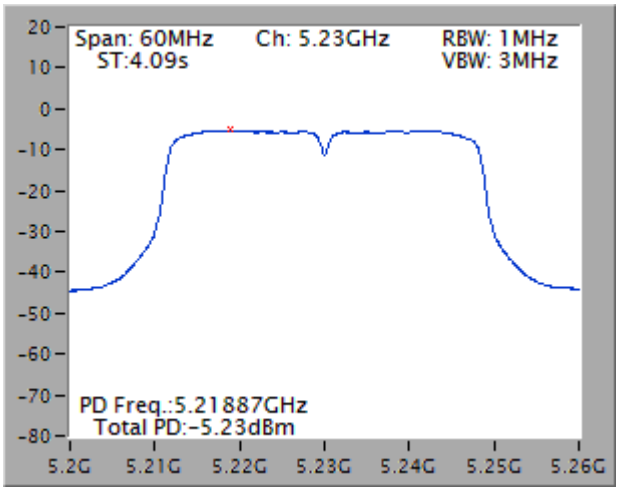
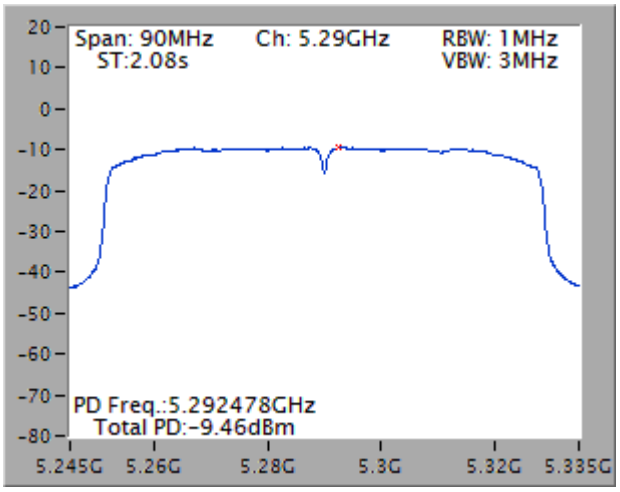
Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
VHT20	1	5180	-2.61	0.75	-1.86	4.00	-4.00	-5.86	10.00
VHT20	1	5200	-2.80	0.75	-2.05	4.00	-4.00	-6.05	10.00
VHT20	1	5240	-2.64	0.75	-1.89	4.00	-4.00	-5.89	10.00
VHT20	1	5260	-2.71	0.75	-1.96	11.00	-4.00	-5.96	17.00
VHT20	1	5300	-2.56	0.75	-1.81	11.00	-4.00	-5.81	17.00
VHT20	1	5320	-2.53	0.75	-1.78	11.00	-4.00	-5.78	17.00
VHT20	1	5500	-3.11	0.75	-2.36	11.00	-4.00	-6.36	17.00
VHT20	1	5580	-3.50	0.75	-2.75	11.00	-4.00	-6.75	17.00
VHT20	1	5700	-3.76	0.75	-3.01	11.00	-4.00	-7.01	17.00
Result			Complied						

Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
VHT40	1	5190	-5.95	0.74	-5.21	4.00	-4.00	-9.21	10.00
VHT40	1	5230	-5.23	0.74	-4.49	4.00	-4.00	-8.49	10.00
VHT40	1	5270	-6.10	0.74	-5.36	11.00	-4.00	-9.36	17.00
VHT40	1	5310	-6.14	0.74	-5.40	11.00	-4.00	-9.40	17.00
VHT40	1	5510	-6.31	0.74	-5.57	11.00	-4.00	-9.57	17.00
VHT40	1	5550	-6.87	0.74	-6.13	11.00	-4.00	-10.13	17.00
VHT40	1	5670	-6.53	0.74	-5.79	11.00	-4.00	-9.79	17.00
Result			Complied						

Condition			Peak Power Spectral Density (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o duty factor	Duty factor	PPSD with duty factor	PPSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
VHT80	1	5210	-9.60	0.75	-8.85	4.00	-4.00	-12.85	10.00
VHT80	1	5290	-9.46	0.75	-8.71	11.00	-4.00	-12.71	10.00
VHT80	1	5530	-9.98	0.75	-9.23	11.00	-4.00	-13.23	17.00
Result			Complied						

Worst Power Spectral Density Plots	
11a	**HT20**
	
HT40	
	

Note 1: Power Density Plots w/o Duty Factor

Worst Power Spectral Density Plots	
VHT20	**VHT40**
	
VHT80	
	

Note 1: Power Density Plots w/o Duty Factor

3.5 Peak Excursion

3.5.1 Peak Excursion Limit

Peak Excursion Limit
UNII Devices
☒ Peak excursion ≤ 13 dB. The ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission does not exceed 13 dB. (Earlier procedures that required computing the ratio of the two spectra at each frequency across the emission bandwidth can lead to unintended failures at band edges and will no longer be required.)
LE-LAN Devices
☒ N/A

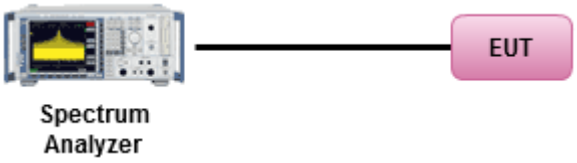
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method		
☒	Refer as FCC KDB 789033, clause F peak excursion method.	
☒	Testing each modulation mode on a single channel is sufficient to demonstrate compliance with the peak excursion requirement	
☒	For conducted measurement.	
	☒	The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☐	The EUT supports multiple transmit chains using given below method: Refer as FCC KDB 662911, when testing in-band (peak to average ratio) against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N).
	☐	Test result plots refer as test report clause 3.3.5 with peak excursion ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum.

3.5.4 Test Setup

Peak Excursion


3.5.5 Test Result of Peak Excursion

UNII Peak Excursion Result					
Condition		11a			
N_{TX}	Freq. (MHz)	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
1	5180	9.59	0.53	9.06	13.0
1	5200	9.43	0.53	8.90	13.0
1	5240	10.06	0.53	9.53	13.0
1	5260	9.57	0.53	9.04	13.0
1	5300	9.78	0.53	9.25	13.0
1	5320	9.58	0.53	9.05	13.0
1	5500	9.68	0.53	9.15	13.0
1	5580	9.87	0.53	9.34	13.0
1	5700	9.44	0.53	8.91	13.0
Result		Complied			

UNII Peak Excursion Result					
Condition		HT20			
N_{TX}	Freq. (MHz)	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
1	5180	9.27	0.57	8.7	13.0
1	5200	9.89	0.57	9.32	13.0
1	5240	9.22	0.57	8.65	13.0
1	5260	9.57	0.57	9.00	13.0
1	5300	9.95	0.57	9.38	13.0
1	5320	9.90	0.57	9.33	13.0
1	5500	9.23	0.57	8.66	13.0
1	5580	9.58	0.57	9.01	13.0
1	5700	9.49	0.57	8.92	13.0
Result		Complied			

Note:

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

Peak exclusion = Measured value – duty factor

UNII Peak Excursion Result					
Condition		HT40			
N_{TX}	**Freq. (MHz)**	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	**Limit**
1	5190	11.20	0.58	10.62	13.0
1	5230	10.03	0.58	9.45	13.0
1	5270	10.30	0.58	9.72	13.0
1	5310	10.04	0.58	9.46	13.0
1	5510	10.39	0.58	9.81	13.0
1	5550	9.84	0.58	9.26	13.0
1	5670	10.05	0.58	9.47	13.0
Result		**Complied**			

UNII Peak Excursion Result					
Condition		VHT20			
N_{TX}	**Freq. (MHz)**	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	**Limit**
1	5180	9.17	0.75	8.42	13.0
1	5200	9.17	0.75	8.42	13.0
1	5240	9.15	0.75	8.4	13.0
1	5260	9.17	0.75	8.42	13.0
1	5300	9.16	0.75	8.41	13.0
1	5320	9.09	0.75	8.34	13.0
1	5500	9.18	0.75	8.43	13.0
1	5580	9.24	0.75	8.49	13.0
1	5700	9.25	0.75	8.50	13.0
Result		**Complied**			

Note:

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

Peak exclusion = Measured value – duty factor

UNII Peak Excursion Result					
Condition		VHT40			
N_{TX}	**Freq. (MHz)**	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	**Limit**
1	5190	9.60	0.74	8.86	13.0
1	5230	9.64	0.74	8.9	13.0
1	5270	9.67	0.74	8.93	13.0
1	5310	9.67	0.74	8.93	13.0
1	5510	9.60	0.74	8.86	13.0
1	5550	9.54	0.74	8.8	13.0
1	5670	9.58	0.74	8.84	13.0
Result		**Complied**			

UNII Peak Excursion Result					
Condition		VHT80			
N_{TX}	**Freq. (MHz)**	Measured value (dB)	Duty factor (dB)	Peak Excursion (dB)	**Limit**
1	5210	9.98	0.75	9.23	13.0
1	5290	10.49	0.75	9.74	13.0
1	5530	10.05	0.75	9.30	13.0
Result		**Complied**			

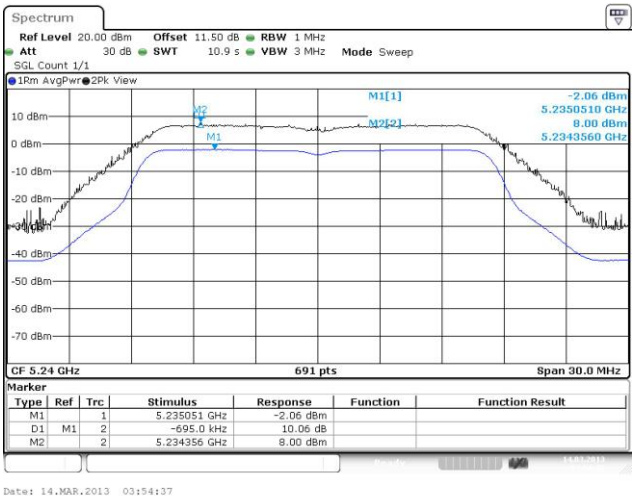
Note:

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

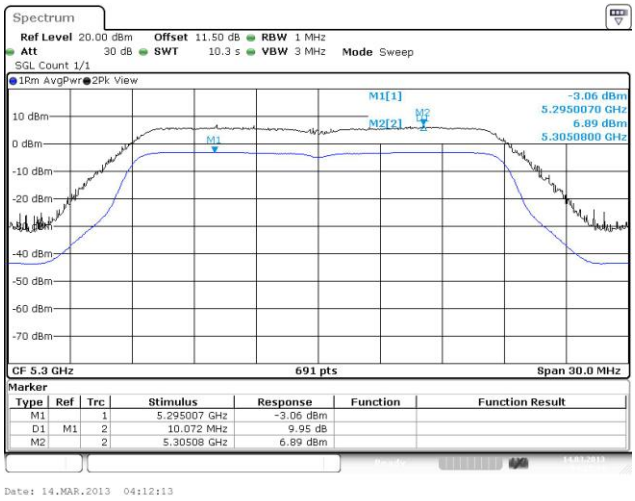
Peak exclusion = Measured value – duty factor

Worst Peak Excursion Plots

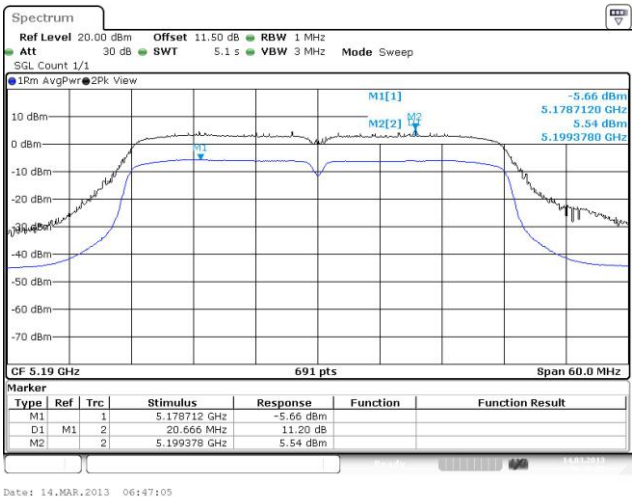
11a



HT20

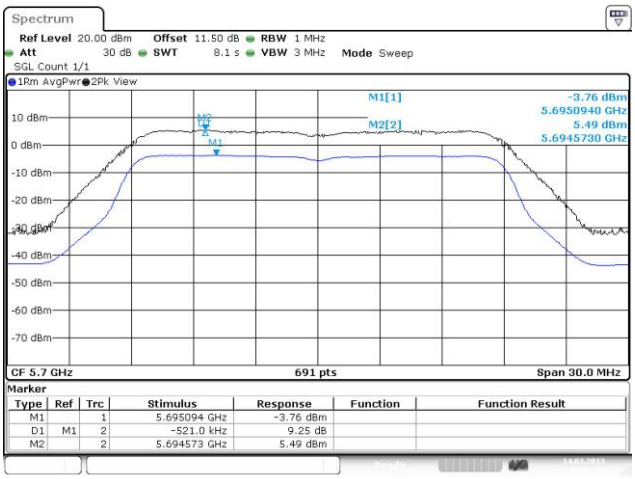


HT40

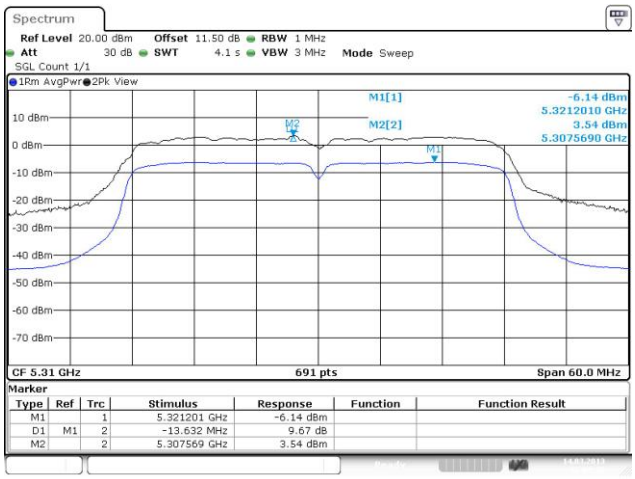


Worst Peak Excursion Plots

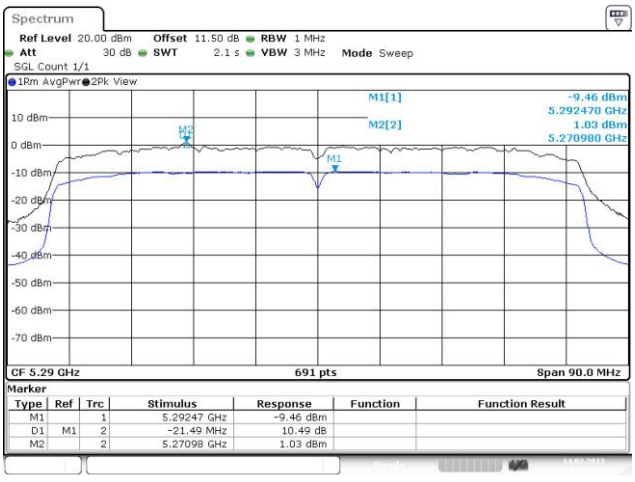
VHT20



VHT40



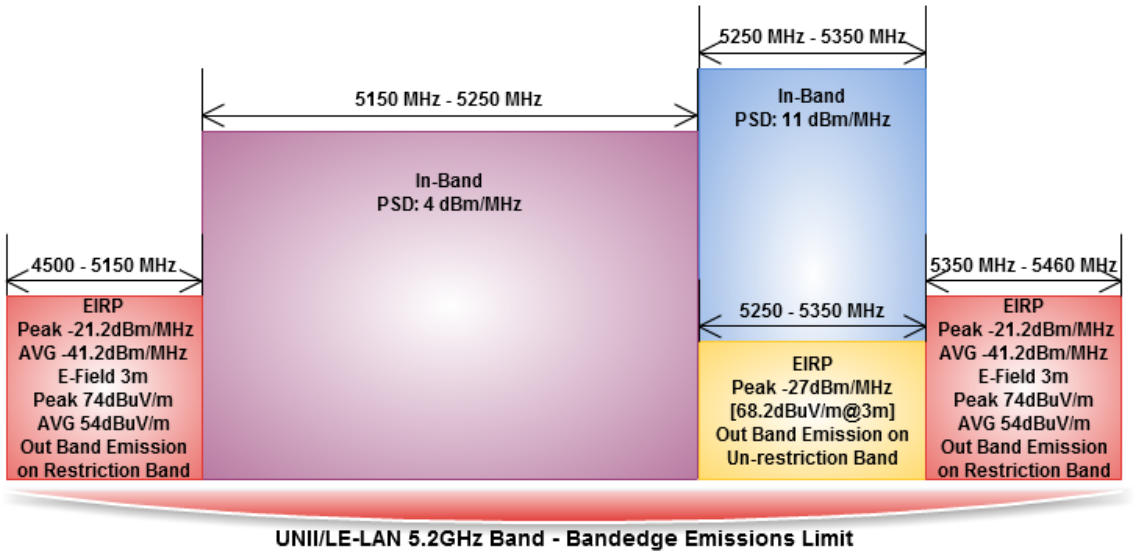
VHT80



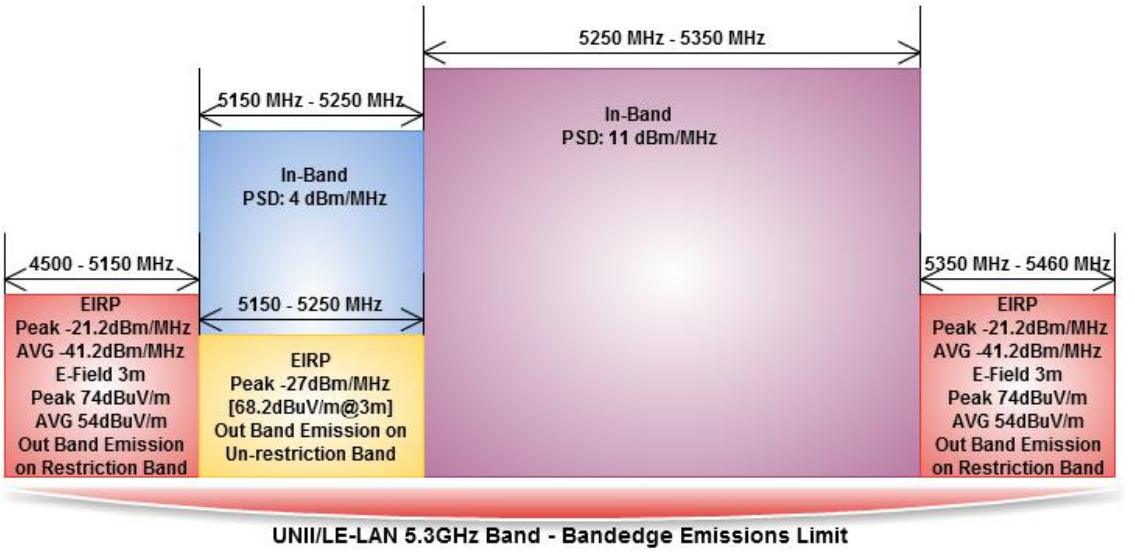
3.6 Transmitter Radiated Bandedge Emissions

3.6.1 Transmitter Radiated Bandedge Emissions Limit

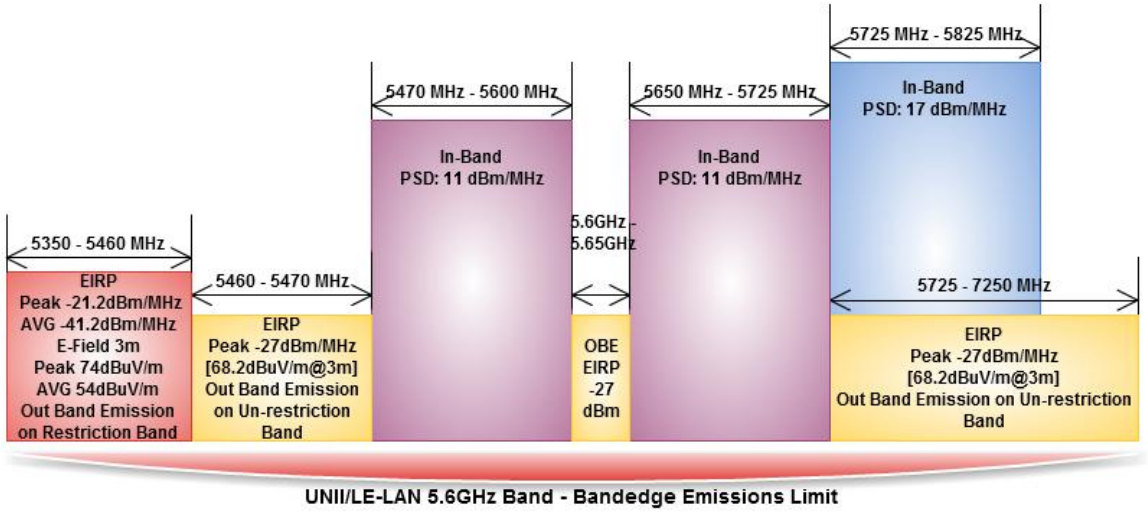
Transmitter Radiated Bandedge Emissions Limit for 5.2GHz band: 5.15-5.25 GHz band



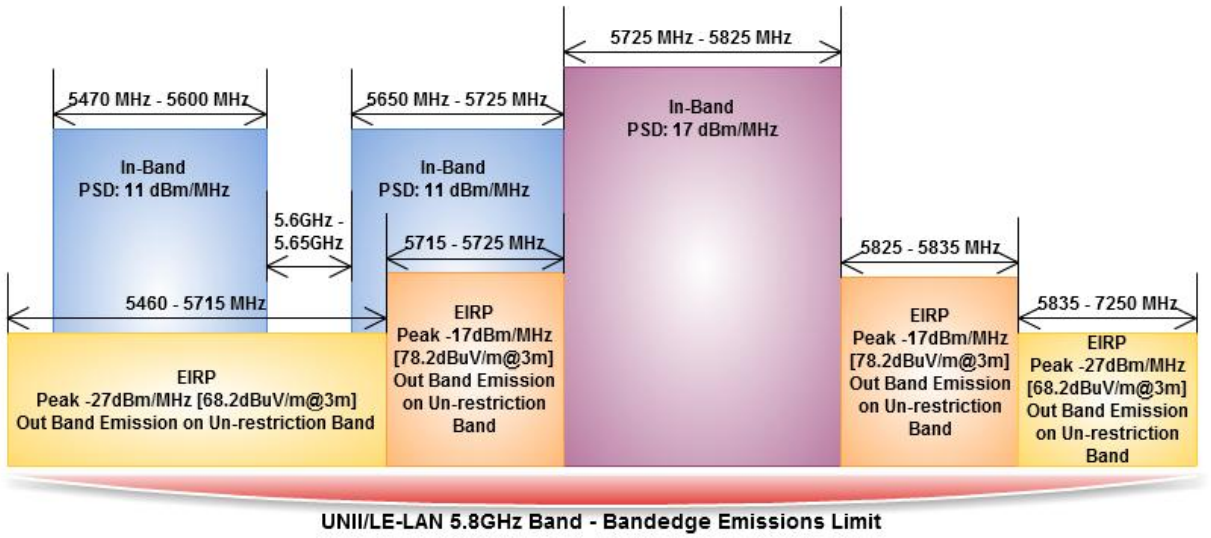
Transmitter Radiated Bandedge Emissions Limit for 5.3GHz band: 5.25-5.35 GHz band



Transmitter Radiated Bandedge Emissions Limit for 5.6GHz band: 5.47-5.725 GHz band



Transmitter Radiated Bandedge Emissions Limit for 5.8GHz band: 5.725-5.825 GHz band



3.6.2 Measuring Instruments

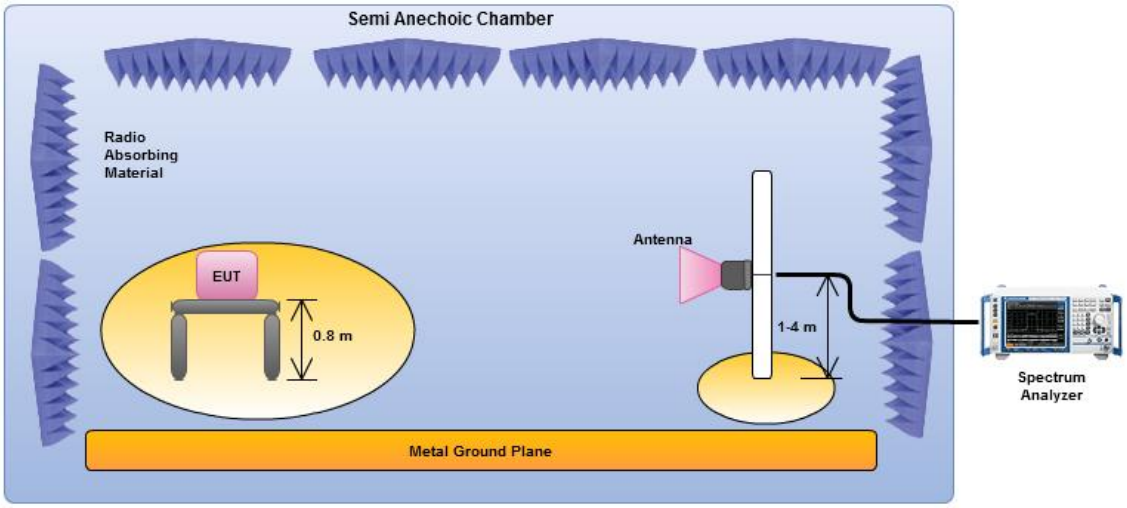
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method			
☒	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). Measurements in the bandedge are typically made at a closer distance 3m, because the instrumentation noise floor is typically close to the radiated emission limit.		
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	Refer as ANSI C63.10, clause 6.9.2.2 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
	☐	If EUT operate in adjacent contiguous bands, bandedge testing performed at the lowest frequency channel at lower-band and highest frequency channel at higher-band. Transmitter in-band emissions will consist of adjacent contiguous bands (e.g., IEEE 802.11ac VHT160 The lowest frequency channel at lower-band and highest frequency channel at higher-band in-band emissions will consist of two adjacent contiguous bands.)	
		☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.25-5.35 GHz band (higher-band).
		☐	Operating in 5.47-5.725 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
	☐	If EUT operate in individual non-contiguous bands, bandedge testing performed at the lowest frequency channel and highest frequency channel within lower-band and higher-band. (e.g., (e.g., IEEE 802.11ac VHT160)	
		☐	Operating in 5.25-5.35 GHz band (lower-band) and 5.47-5.725 GHz band (higher-band).
		☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	☒	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐	Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☐	Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
		☒	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒	Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:		
	☐	Refer as FCC KDB 789033, clause G)3)d) marker-delta method for band-edge measurements.	
	☒	Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.	
	☐	Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.	
☒	For radiated measurement, refer as ANSI C63.10, clause 6.5 for radiated emissions from above 1 GHz.		

3.6.4 Test Setup

Transmitter Radiated Bandedge Emissions

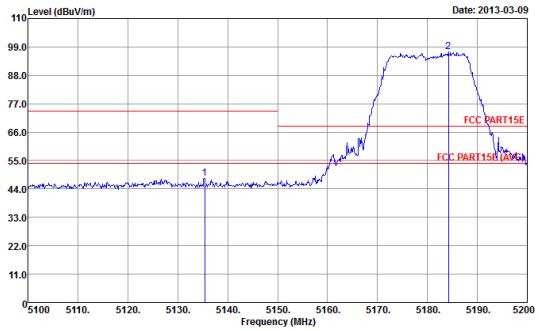


Electric field tests shall be performed in transmitter bandedge emissions using a calibrated horn antenna.

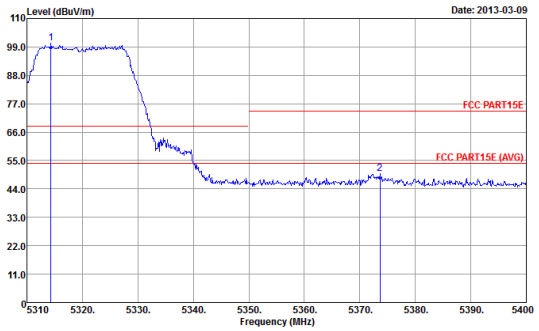
3.6.5 Test Result of Transmitter Radiated Bandedge Emissions

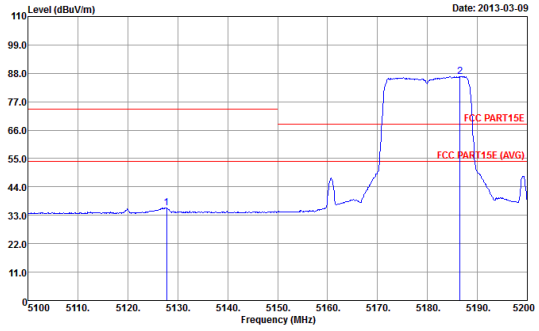
Transmitter Radiated Bandedge Emissions Result								
Modulation	11a		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5180	97.06	5135.40	3	48.10	74	PK	V
4500-5150	5180	86.80	5127.80	3	35.96	54	AV	V
5350-5460	5320	100.57	5373.63	3	49.80	74	PK	V
5350-5460	5320	89.76	5372.10	3	38.37	54	AV	V

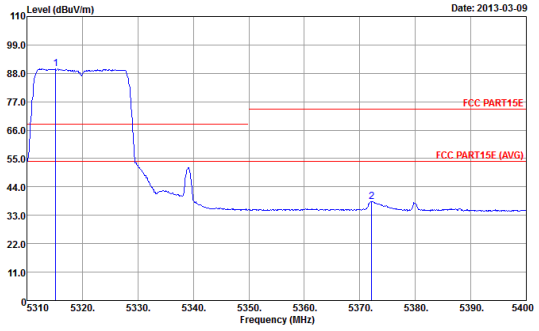
5.2GHz Lower-band (Lowest Ch.)



5.2GHz Higher-band (Highest Ch.)



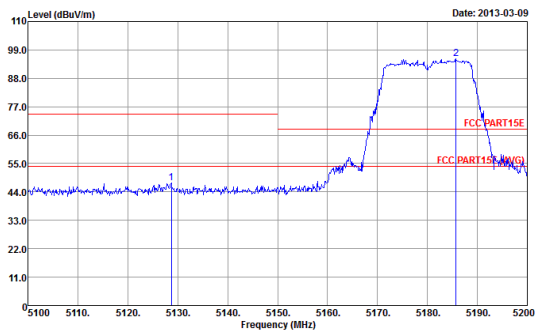


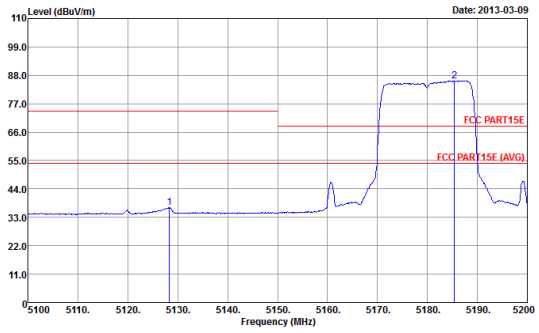


Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

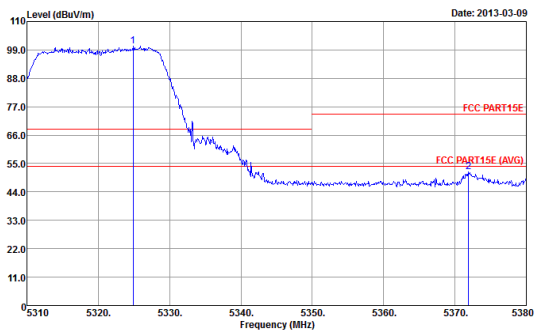
Transmitter Radiated Bandedge Emissions Result								
Modulation	HT20		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5180	95.65	5128.70	3	47.51	74	PK	V
4500-5150	5180	85.88	5128.30	3	36.74	54	AV	V
5350-5460	5320	100.57	5371.88	3	51.67	74	PK	V
5350-5460	5320	89.77	5371.67	3	39.72	54	AV	V

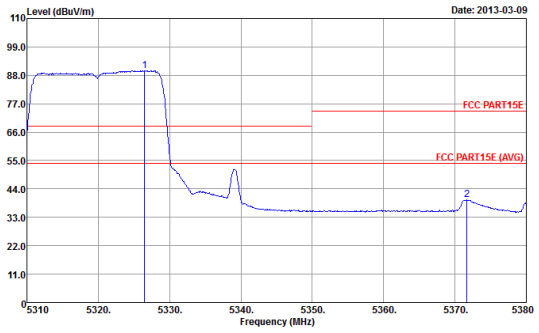
5.2GHz Lower-band (Lowest Ch.)





5.2GHz Higher-band (Highest Ch.)

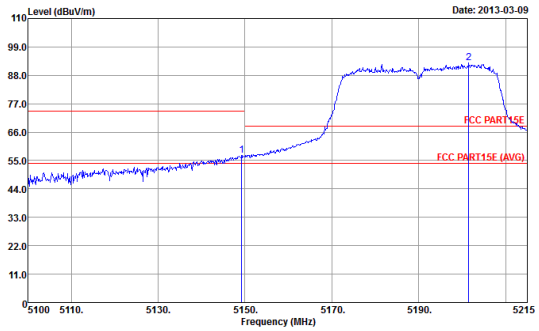


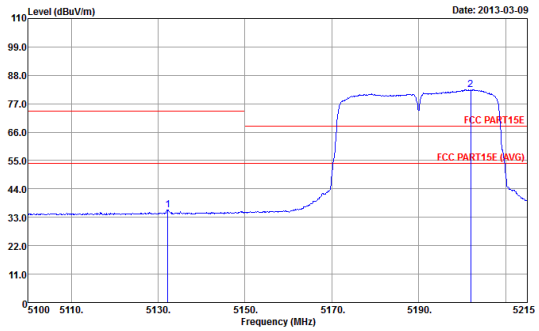


Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

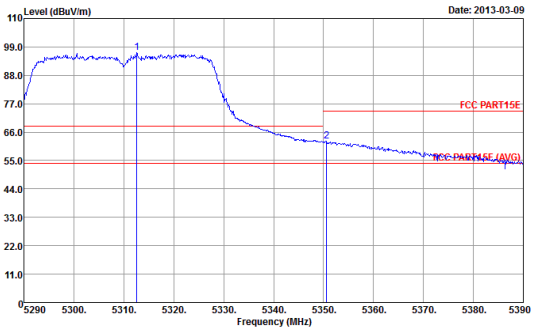
Transmitter Radiated Bandedge Emissions Result								
Modulation	HT40		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5190	92.73	5149.22	3	56.90	74	PK	V
4500-5150	5190	82.39	5132.20	3	35.98	54	AV	V
5350-5460	5230	96.89	5350.60	3	62.52	74	PK	V
5350-5460	5230	85.94	5367.50	3	40.86	54	AV	V

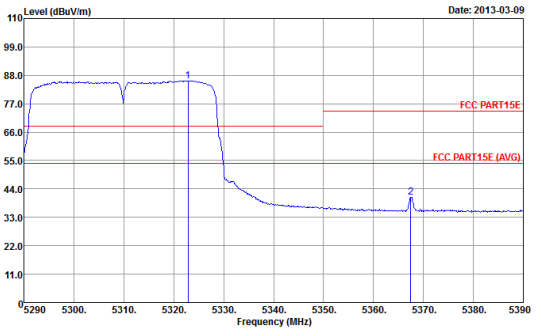
5.2GHz Lower-band (Lowest Ch.)





5.2GHz Higher-band (Highest Ch.)

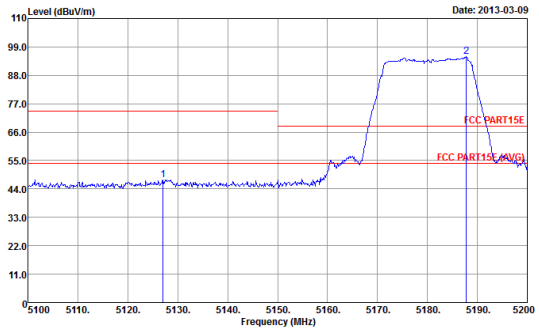


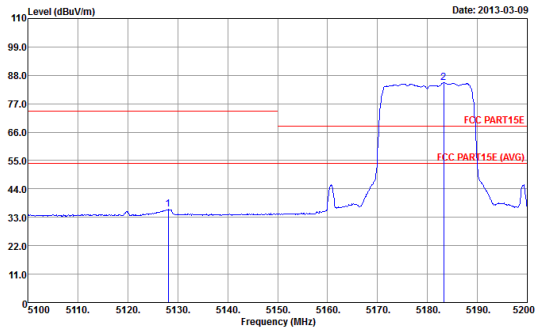


Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

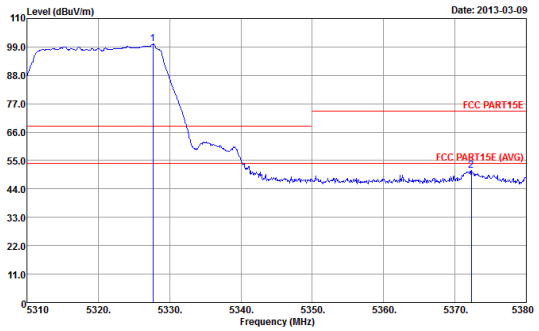
Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT20		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5180	95.39	5127.10	3	47.60	74	PK	V
4500-5150	5180	85.19	5128.10	3	36.08	54	AV	V
5350-5460	5320	100.12	5372.30	3	51.18	74	PK	V
5350-5460	5320	89.83	5371.46	3	39.55	54	AV	V

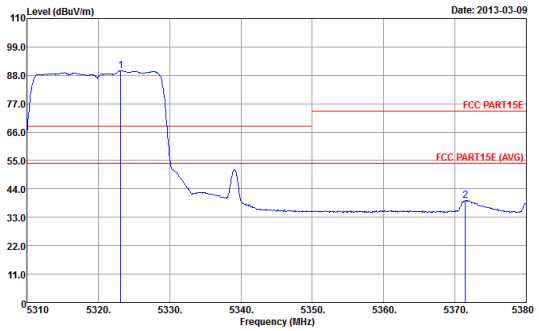
5.2GHz Lower-band (Lowest Ch.)





5.2GHz Higher-band (Highest Ch.)

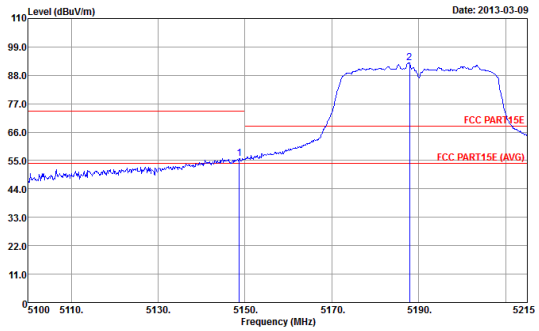


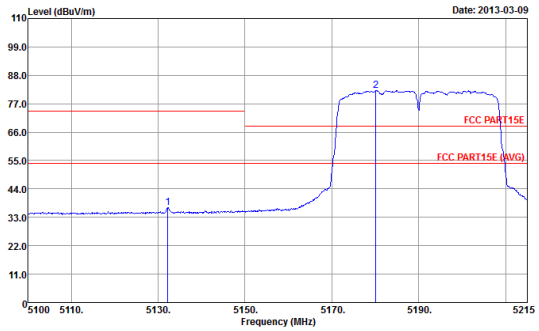


Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

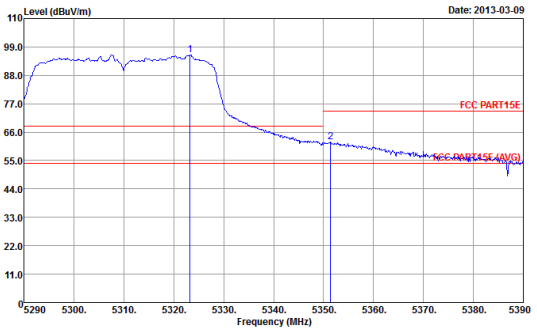
Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT40		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5190	92.83	5148.65	3	55.78	74	PK	V
4500-5150	5190	82.16	5132.20	3	36.83	54	AV	V
5350-5460	5230	95.95	5351.40	3	62.12	74	PK	V
5350-5460	5230	85.74	5367.50	3	40.49	54	AV	V

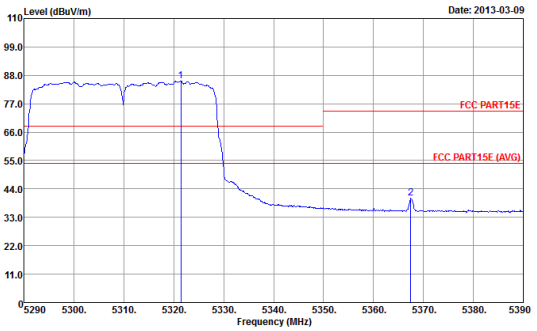
5.2GHz Lower-band (Lowest Ch.)





5.2GHz Higher-band (Highest Ch.)

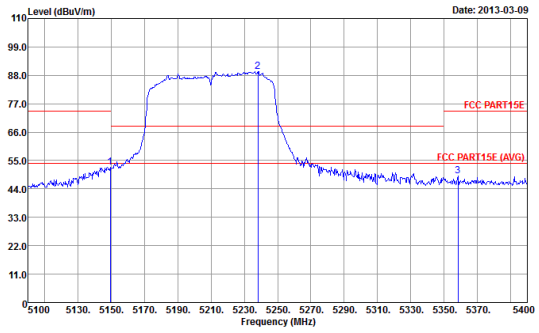


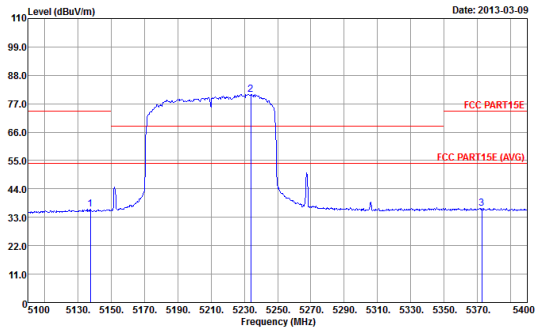


Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

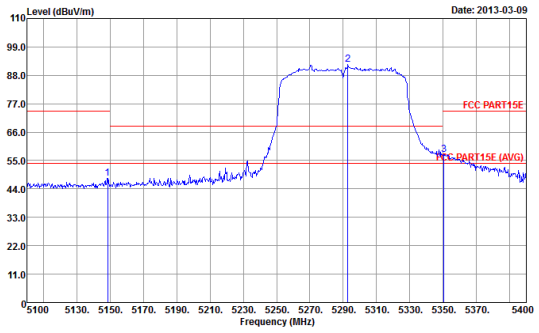
Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT80		**Restricted Band Emissions**					
Restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**RBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5210	89.56	5149.50	3	52.33	74	PK	V
4500-5150	5210	80.67	5137.50	3	36.06	54	AV	V
5350-5460	5290	92.14	5148.60	3	57.39	74	PK	V
5350-5460	5290	82.40	5148.30	3	39.48	54	AV	V

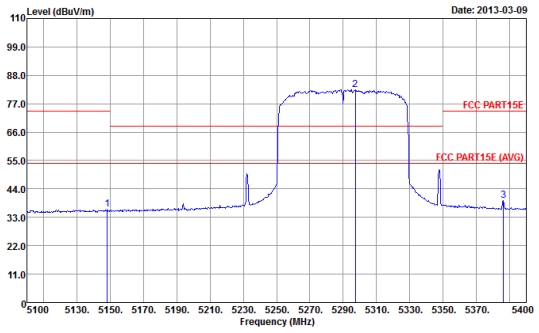
5.2GHz Lower-band (Lowest Ch.)





5.2GHz Higher-band (Highest Ch.)

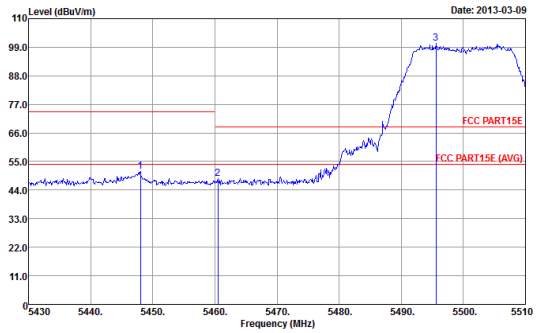




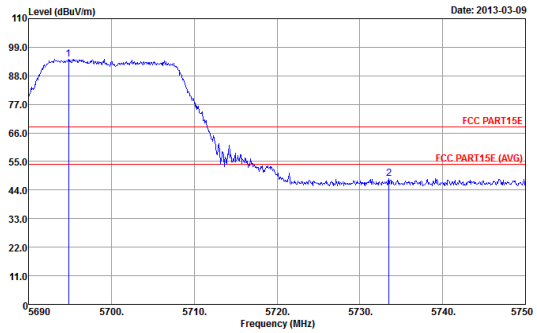
Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	11a		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5210	89.56	5149.50	3	52.33	74	PK	V
4500-5150	5210	80.67	5137.50	3	36.06	54	PK	V

5.6GHz band (Lowest Ch.)



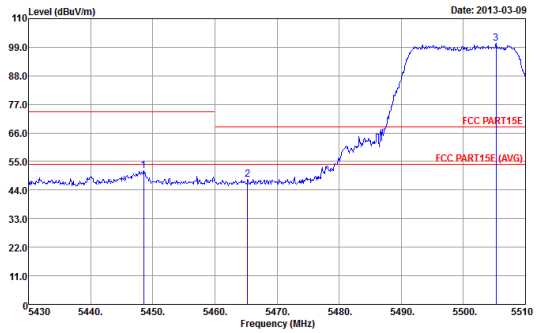
5.6GHz band (Highest Ch.)



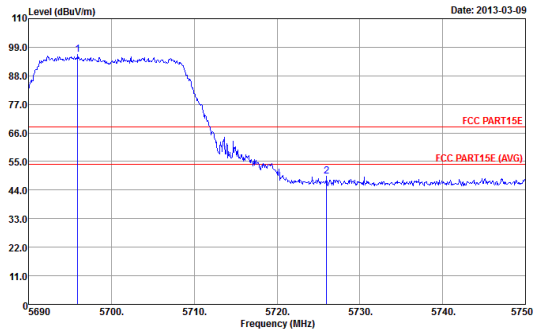
Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	HT-20		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
4500-5150	5210	89.56	5149.50	3	52.33	74	PK	V
4500-5150	5210	80.67	5137.50	3	36.06	54	PK	V

5.6GHz band (Lowest Ch.)



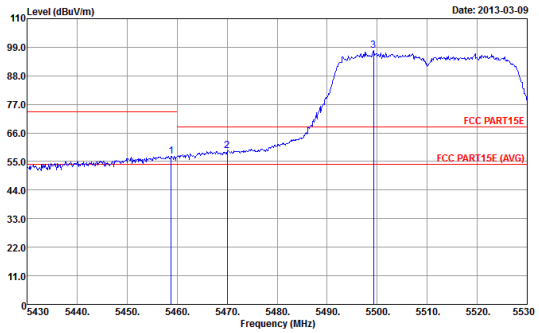
5.6GHz band (Highest Ch.)



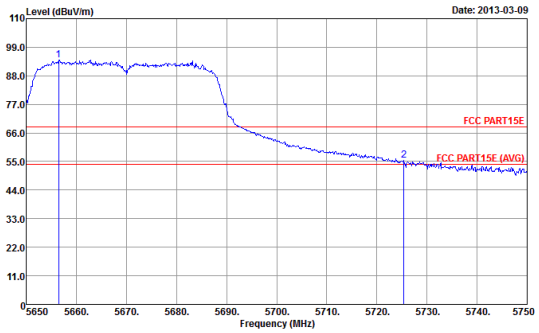
Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	HT-40		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
5460-5470	5500	97.64	5470.00	3	59.10	68.3	PK	V
5725-7250	5700	94.10	5725.40	3	55.58	68.3	PK	V

5.6GHz band (Lowest Ch.)



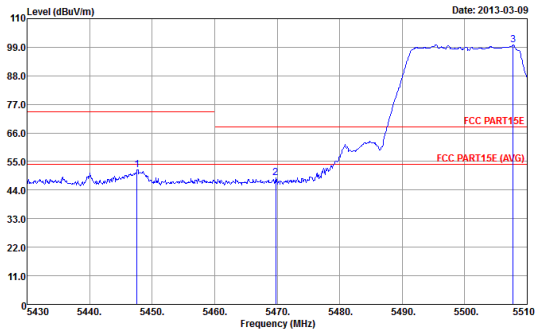
5.6GHz band (Highest Ch.)



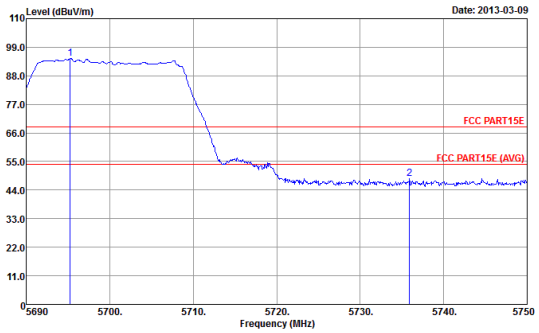
Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT-20		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
5460-5470	5500	99.85	5469.76	3	48.84	68.3	PK	V
5725-7250	5700	94.78	5735.90	3	48.34	68.3	PK	V

5.6GHz band (Lowest Ch.)



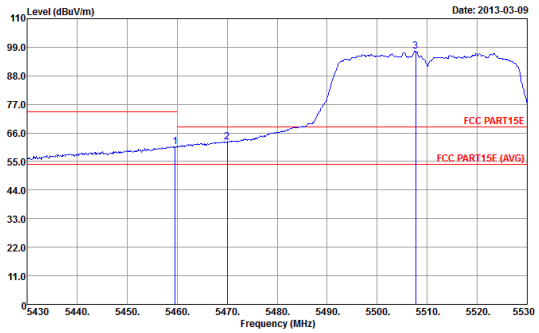
5.6GHz band (Highest Ch.)



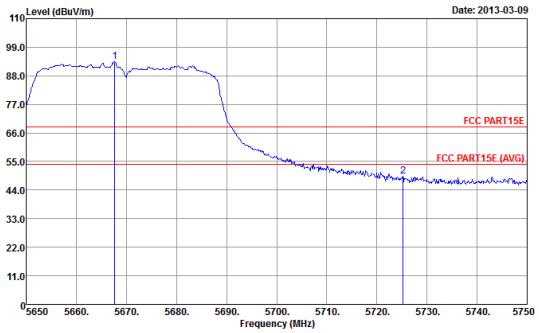
Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT-40		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
5460-5470	5500	97.44	5470.00	3	62.51	68.3	PK	V
5725-7250	5700	93.43	5725.20	3	49.28	68.3	PK	V

5.6GHz band (Lowest Ch.)



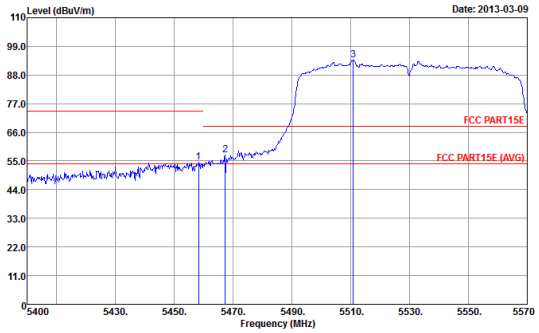
5.6GHz band (Highest Ch.)



Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

Transmitter Radiated Bandedge Emissions Result								
Modulation	VHT-80		**N_{TX}**					
Non-restricted Band (MHz)	**Test Ch. Freq. (MHz)**	**In-band PSD [i] (dBuV/1MHz)**	**NBE Freq. (MHz)**	**Measure Distance (m)**	**Out-Band Level (dBuV/m)**	**Limit (dBuV/m)**	**Level Type**	**Pol. note 1**
5460-5470	5530	93.62	5467.32	3	57.28	68.3	PK	V

5.6GHz band (Lowest Ch.)



Note 1: Measurement worst emissions of receive antenna polarization: V (Vertical).

3.7 Transmitter Radiated Unwanted Emissions

3.7.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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: Test distance for frequencies at or above 30 MHz, 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).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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).

3.7.2 Measuring Instruments

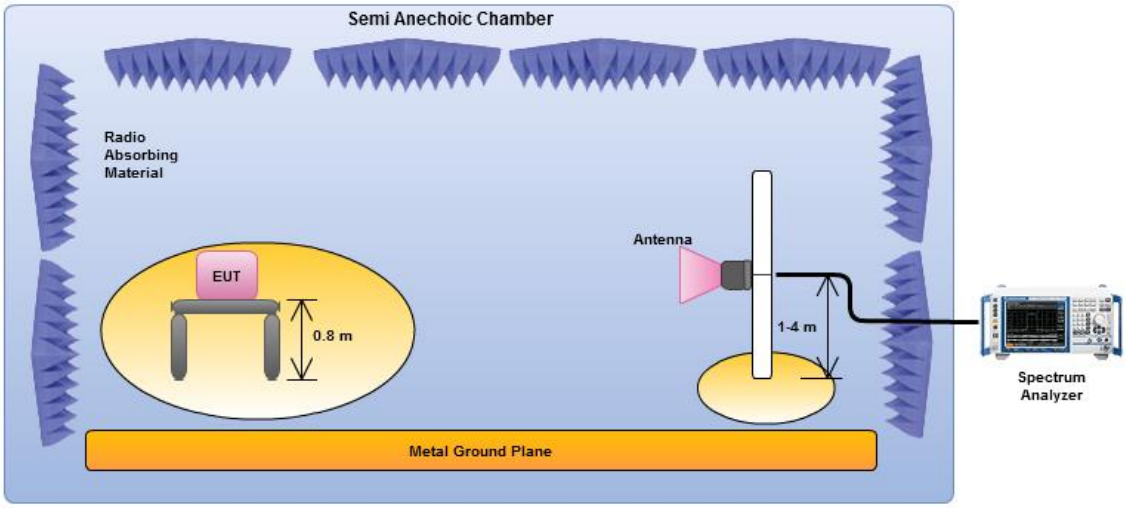
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method			
☒	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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).		
	☒	Measurements in the frequency range 5 GHz - 10GHz are typically made at a closer distance 3m, because the instrumentation noise floor is typically close to the radiated emission limit.	
	☒	Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.	
	☒	Measurements in the frequency range above 18 GHz - 40GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit.	
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	☒	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐	Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☐	Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
		☒	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒	Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	For radiated measurement.		
	☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz.	
	☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1000 MHz.	
	☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.	

3.7.4 Test Setup

Transmitter Radiated Unwanted Emissions



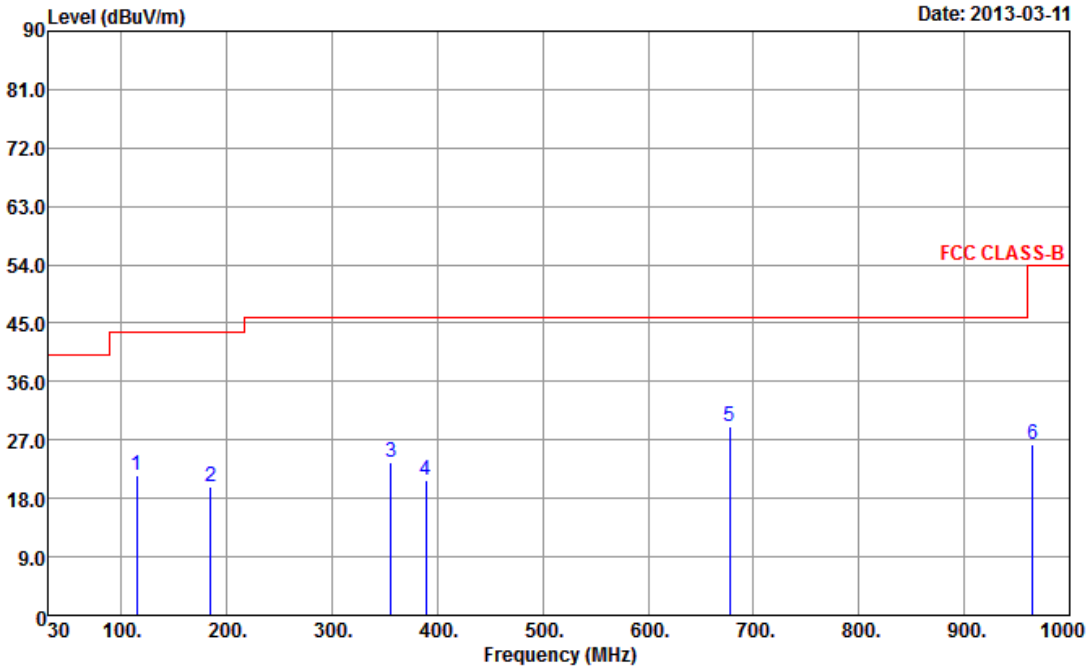
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.

3.7.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.7.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)

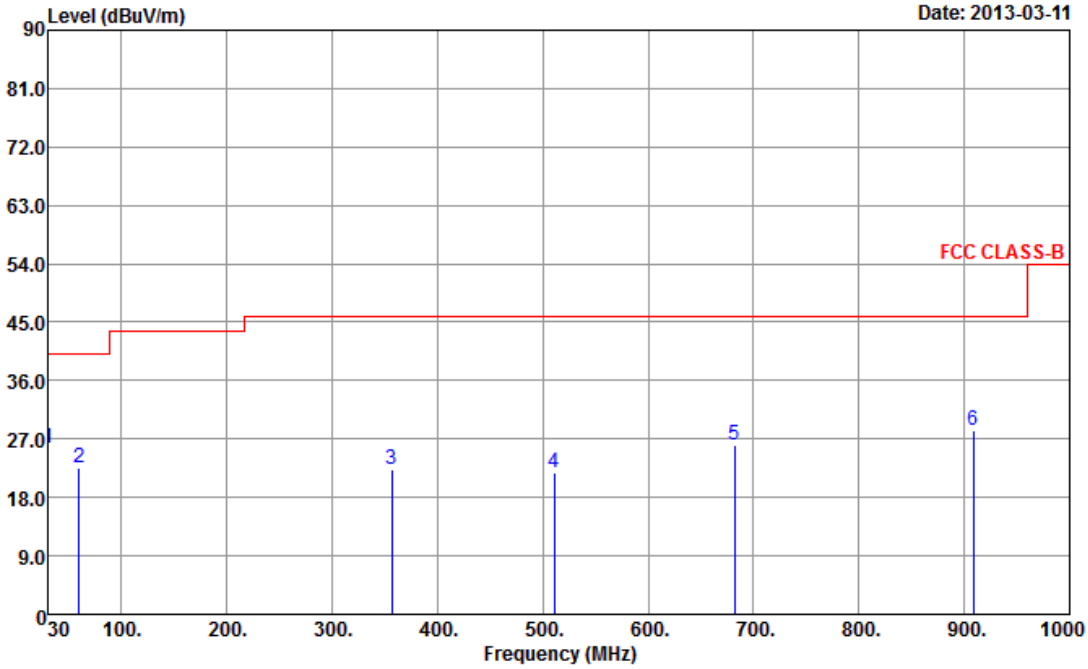
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	H
Operating Function	AC power & Radio link (WLAN)		



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	114.39	21.66	-21.84	43.50	40.25	11.73	1.14	31.46	---	---	Peak
2	184.23	19.70	-23.80	43.50	40.50	8.82	1.41	31.03	---	---	Peak
3	355.92	23.56	-22.44	46.00	38.07	14.56	2.01	31.08	---	---	Peak
4	388.90	20.89	-25.11	46.00	34.35	15.47	2.16	31.09	---	---	Peak
5	676.99	29.01	-16.99	46.00	36.26	20.37	2.54	30.16	---	---	Peak
6	965.08	26.34	-27.66	54.00	28.44	25.00	2.92	30.02	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	AC power & Radio link (WLAN)		

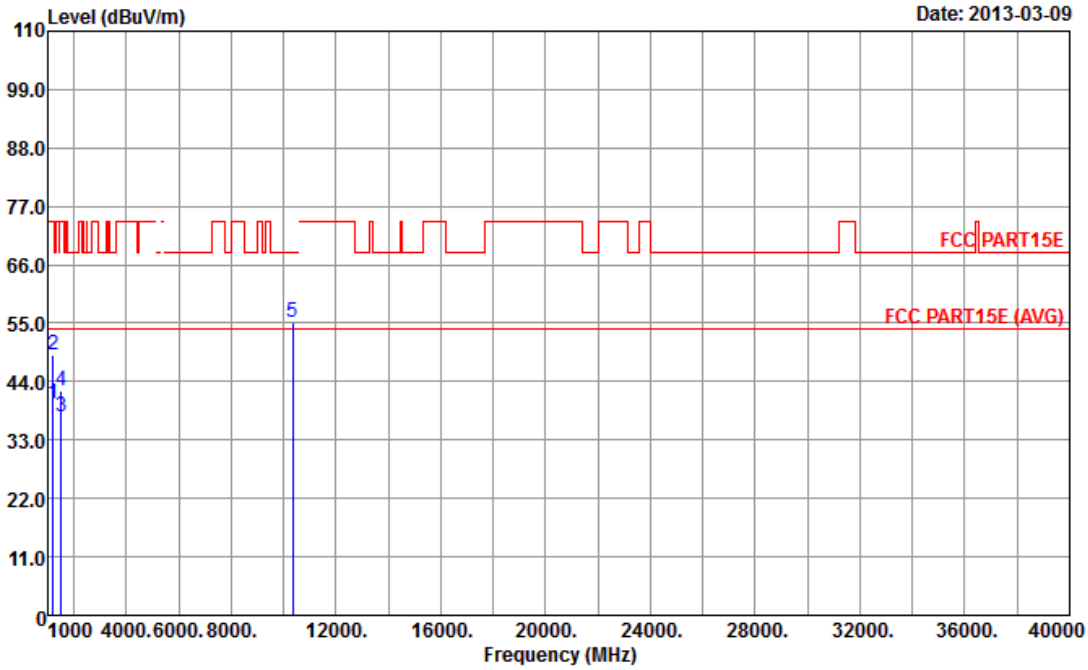


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	25.48	-14.52	40.00	36.69	19.80	0.63	31.64	---	---	Peak
2	60.07	22.66	-17.34	40.00	47.42	6.00	0.83	31.59	---	---	Peak
3	356.89	22.33	-23.67	46.00	36.83	14.57	2.00	31.07	---	---	Peak
4	511.12	21.76	-24.24	46.00	31.98	18.21	2.26	30.69	---	---	Peak
5	681.84	26.07	-19.93	46.00	33.24	20.44	2.56	30.17	---	---	Peak
6	908.82	28.42	-17.58	46.00	32.64	23.56	2.24	30.02	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

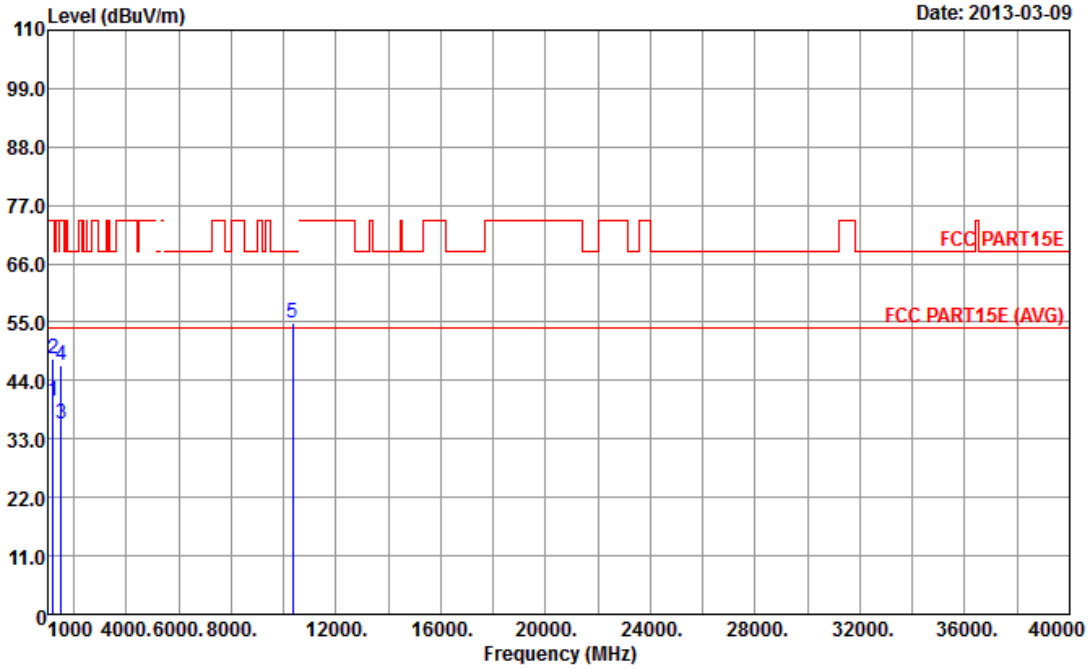
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.90	-14.10	54.00	46.46	27.94	3.14	37.64	---	---	Average
2	1200.00	49.04	-24.96	74.00	55.60	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.42	-16.58	54.00	42.67	28.00	3.55	36.80	---	---	Average
4	1500.00	42.38	-31.62	74.00	47.63	28.00	3.55	36.80	---	---	Peak
5	10360.00	55.29	-13.01	68.30	43.28	37.72	9.73	35.44	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

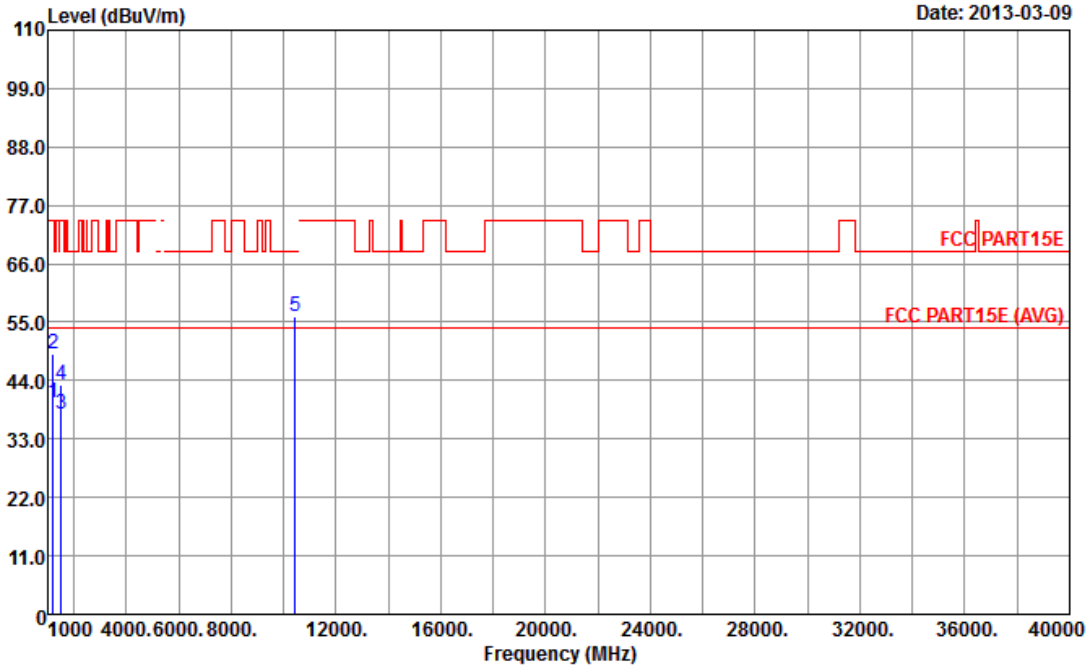
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.04	-13.96	54.00	46.60	27.94	3.14	37.64	---	---	Average
2	1200.00	47.98	-26.02	74.00	54.54	27.94	3.14	37.64	---	---	Peak
3	1500.00	35.80	-18.20	54.00	41.05	28.00	3.55	36.80	---	---	Average
4	1500.00	46.86	-27.14	74.00	52.11	28.00	3.55	36.80	---	---	Peak
5	10360.00	54.82	-13.48	68.30	42.81	37.72	9.73	35.44	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

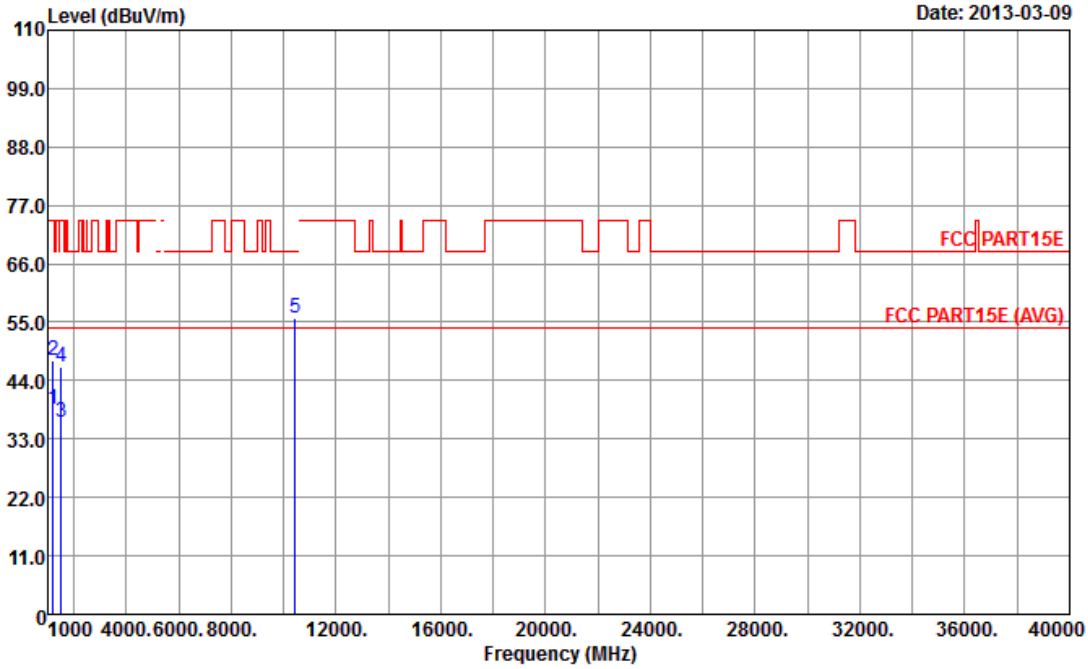
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.96	-14.04	54.00	46.52	27.94	3.14	37.64	---	---	Average
2	1200.00	48.99	-25.01	74.00	55.55	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.81	-16.19	54.00	43.06	28.00	3.55	36.80	---	---	Average
4	1500.00	43.31	-30.69	74.00	48.56	28.00	3.55	36.80	---	---	Peak
5	10440.00	56.15	-12.15	68.30	43.97	37.76	9.78	35.36	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

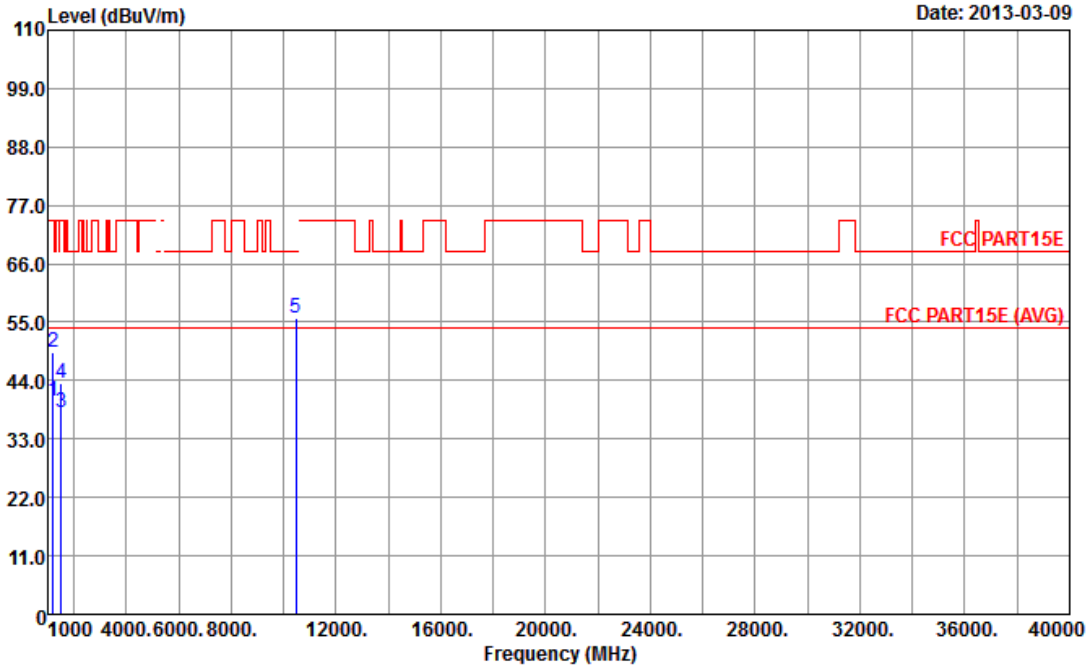
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.76	-15.24	54.00	45.32	27.94	3.14	37.64	---	---	Average
2	1200.00	47.81	-26.19	74.00	54.37	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.11	-17.89	54.00	41.36	28.00	3.55	36.80	---	---	Average
4	1500.00	46.68	-27.32	74.00	51.93	28.00	3.55	36.80	---	---	Peak
5	10440.00	55.89	-12.41	68.30	43.71	37.76	9.78	35.36	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

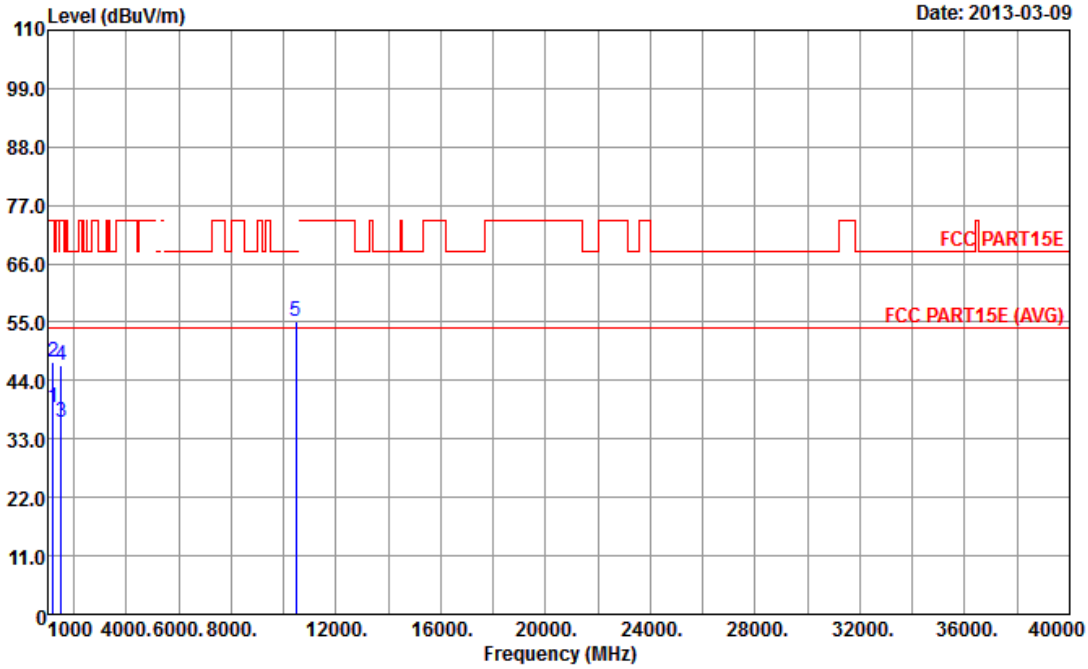
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.11	-13.89	54.00	46.67	27.94	3.14	37.64	---	---	Average
2	1200.00	49.25	-24.75	74.00	55.81	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.99	-16.01	54.00	43.24	28.00	3.55	36.80	---	---	Average
4	1500.00	43.52	-30.48	74.00	48.77	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.82	-12.48	68.30	43.55	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

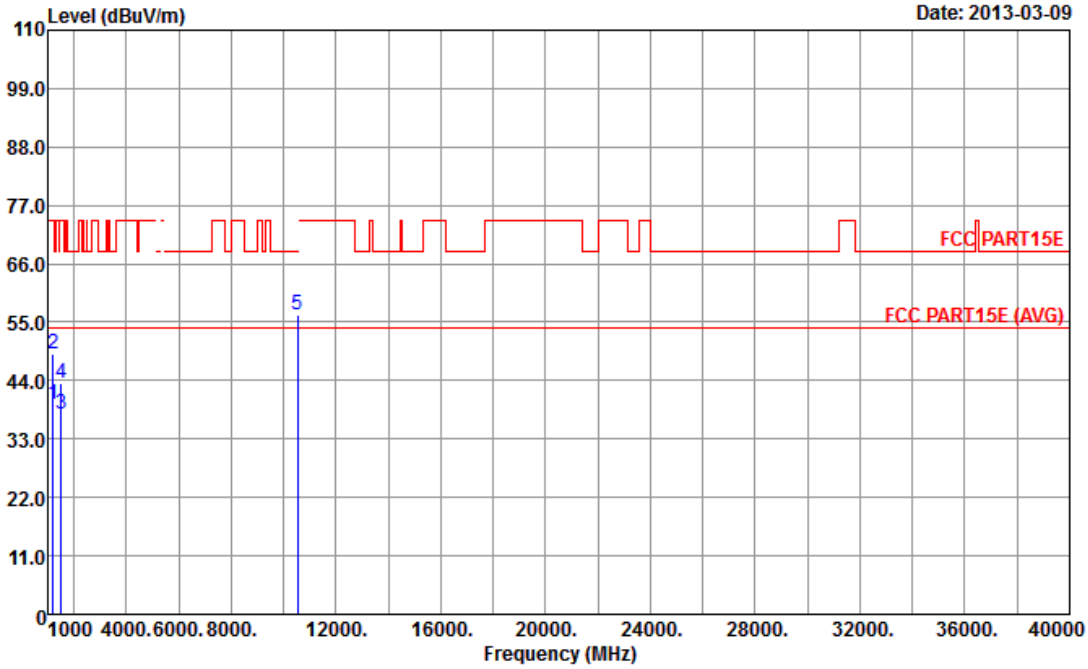
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.79	-15.21	54.00	45.35	27.94	3.14	37.64	---	---	Average
2	1200.00	47.55	-26.45	74.00	54.11	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.21	-17.79	54.00	41.46	28.00	3.55	36.80	---	---	Average
4	1500.00	46.75	-27.25	74.00	52.00	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.20	-13.10	68.30	42.93	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

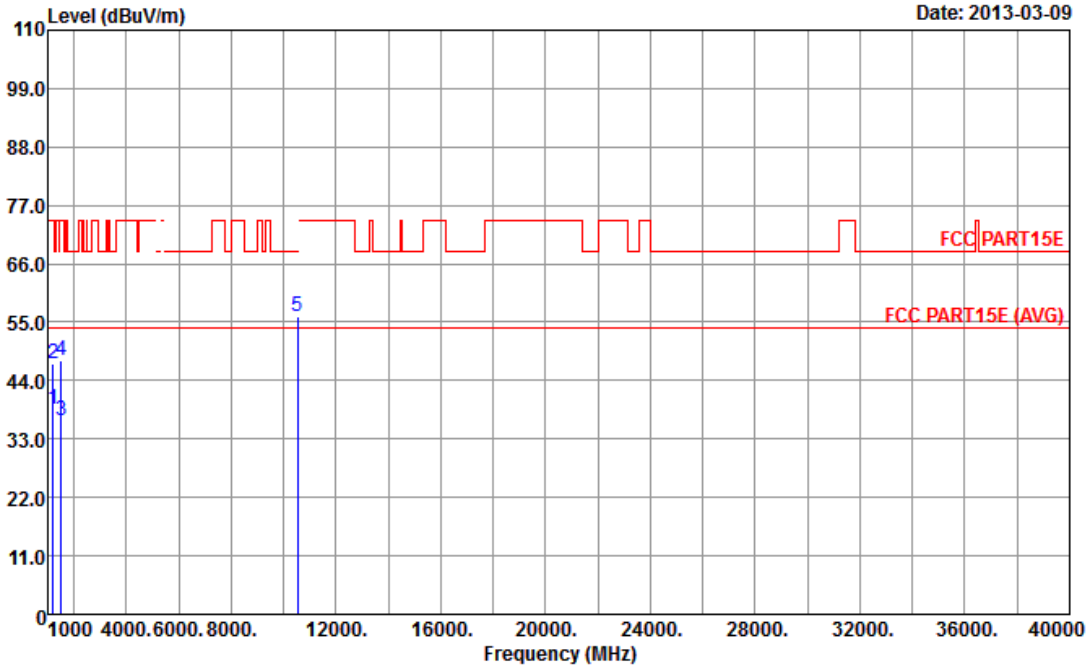
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.58	-14.42	54.00	46.14	27.94	3.14	37.64	---	---	Average
2	1200.00	48.99	-25.01	74.00	55.55	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.68	-16.32	54.00	42.93	28.00	3.55	36.80	---	---	Average
4	1500.00	43.41	-30.59	74.00	48.66	28.00	3.55	36.80	---	---	Peak
5	10520.00	56.26	-12.04	68.30	43.91	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

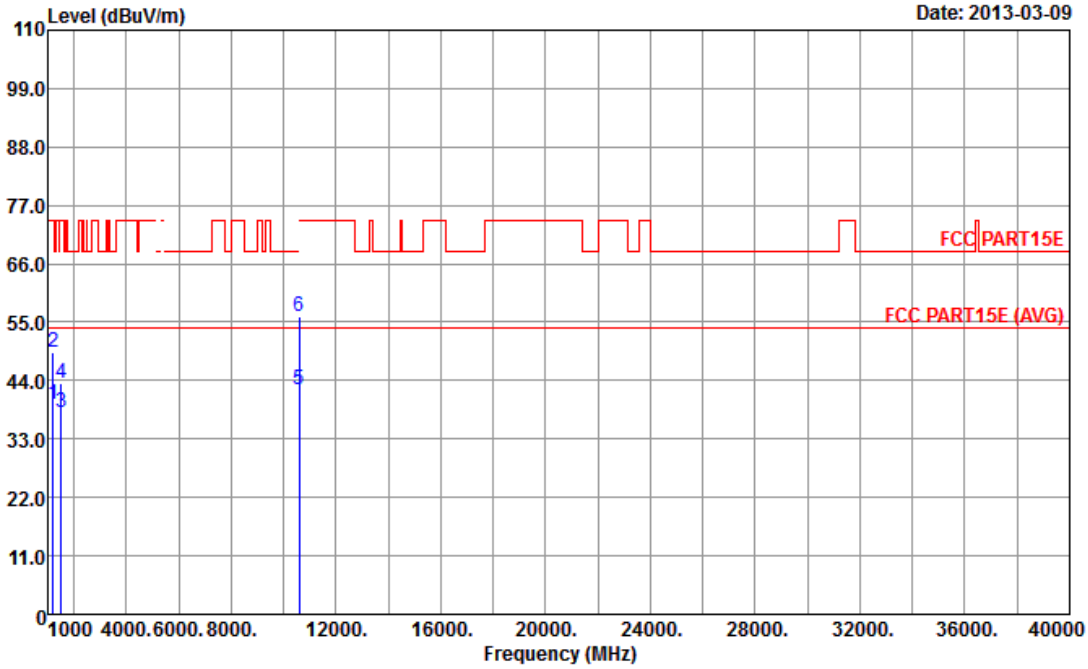
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.51	-15.49	54.00	45.07	27.94	3.14	37.64	---	---	Average
2	1200.00	47.23	-26.77	74.00	53.79	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.41	-17.59	54.00	41.66	28.00	3.55	36.80	---	---	Average
4	1500.00	47.82	-26.18	74.00	53.07	28.00	3.55	36.80	---	---	Peak
5	10520.00	56.06	-12.24	68.30	43.71	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

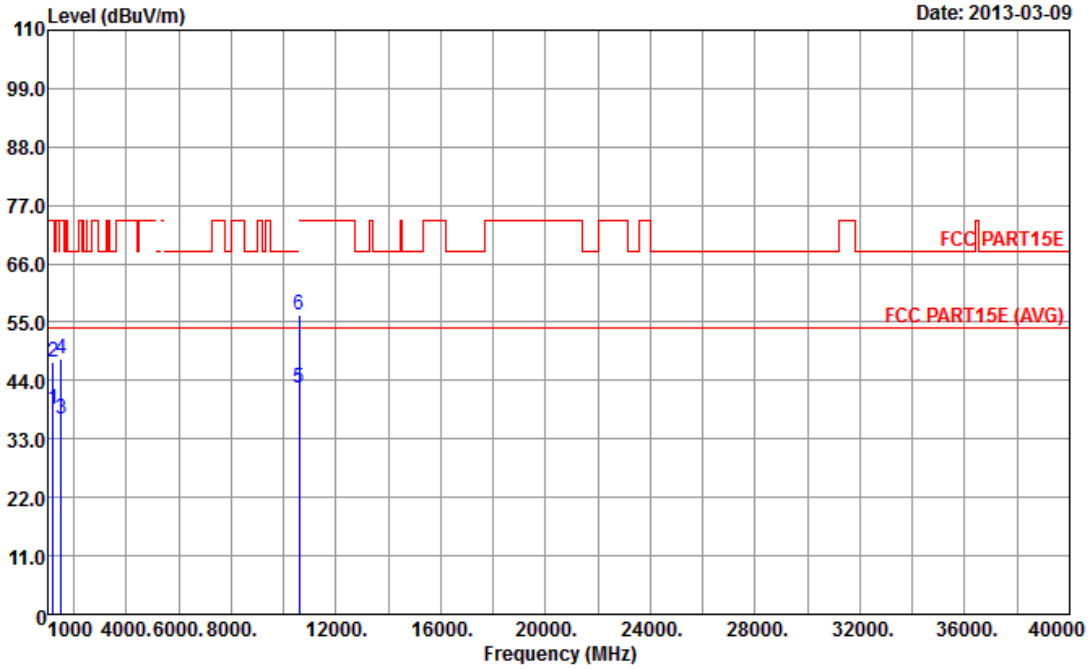
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.63	-14.37	54.00	46.19	27.94	3.14	37.64	---	---	Average
2	1200.00	49.35	-24.65	74.00	55.91	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.85	-16.15	54.00	43.10	28.00	3.55	36.80	---	---	Average
4	1500.00	43.55	-30.45	74.00	48.80	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.36	-11.64	54.00	29.91	37.84	9.87	35.26	---	---	Average
6	10600.00	56.19	-17.81	74.00	43.74	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

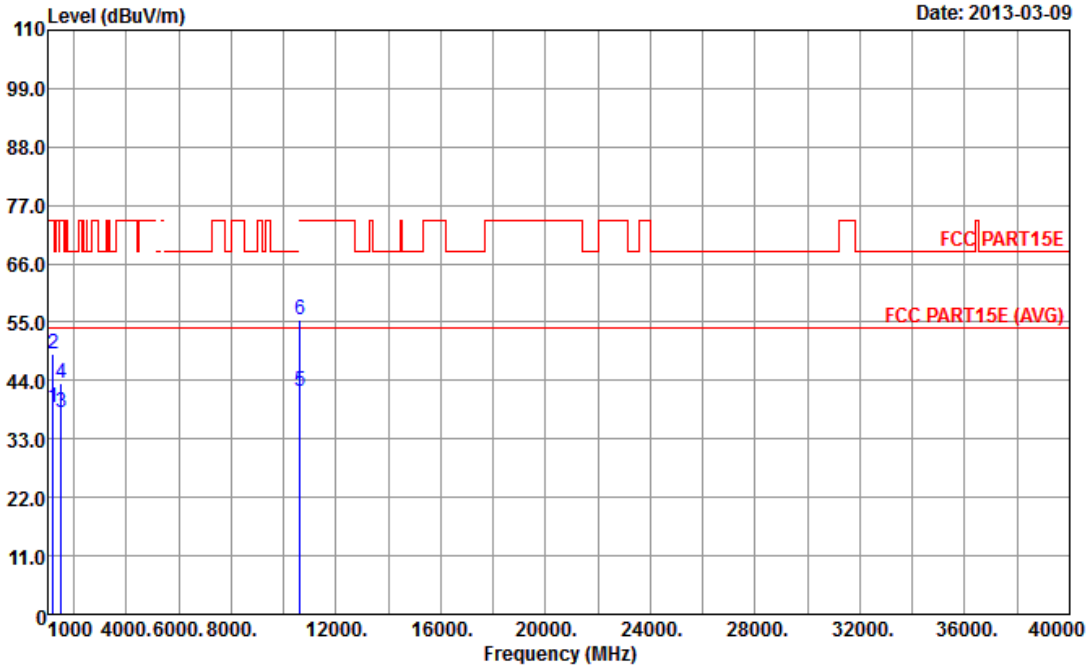
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.67	-15.33	54.00	45.23	27.94	3.14	37.64	---	---	Average
2	1200.00	47.53	-26.47	74.00	54.09	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.81	-17.19	54.00	42.06	28.00	3.55	36.80	---	---	Average
4	1500.00	47.96	-26.04	74.00	53.21	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.46	-11.54	54.00	30.01	37.84	9.87	35.26	---	---	Average
6	10600.00	56.52	-17.48	74.00	44.07	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

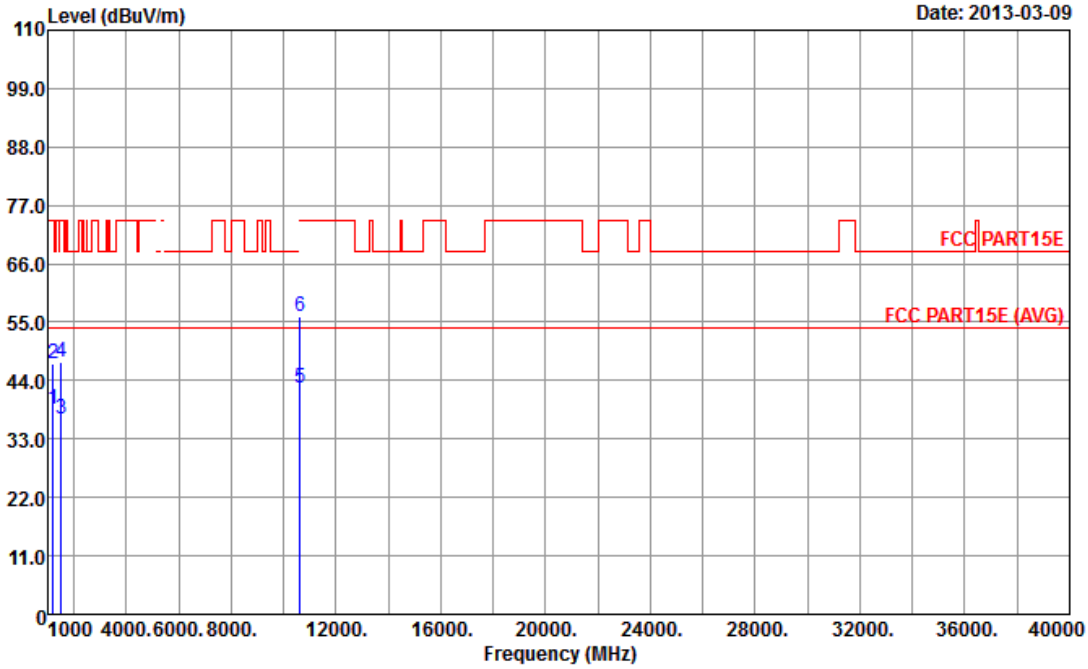
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.96	-15.04	54.00	45.52	27.94	3.14	37.64	---	---	Average
2	1200.00	49.02	-24.98	74.00	55.58	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.96	-16.04	54.00	43.21	28.00	3.55	36.80	---	---	Average
4	1500.00	43.44	-30.56	74.00	48.69	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.10	-11.90	54.00	29.58	37.86	9.90	35.24	---	---	Average
6	10640.00	55.31	-18.69	74.00	42.79	37.86	9.90	35.24	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

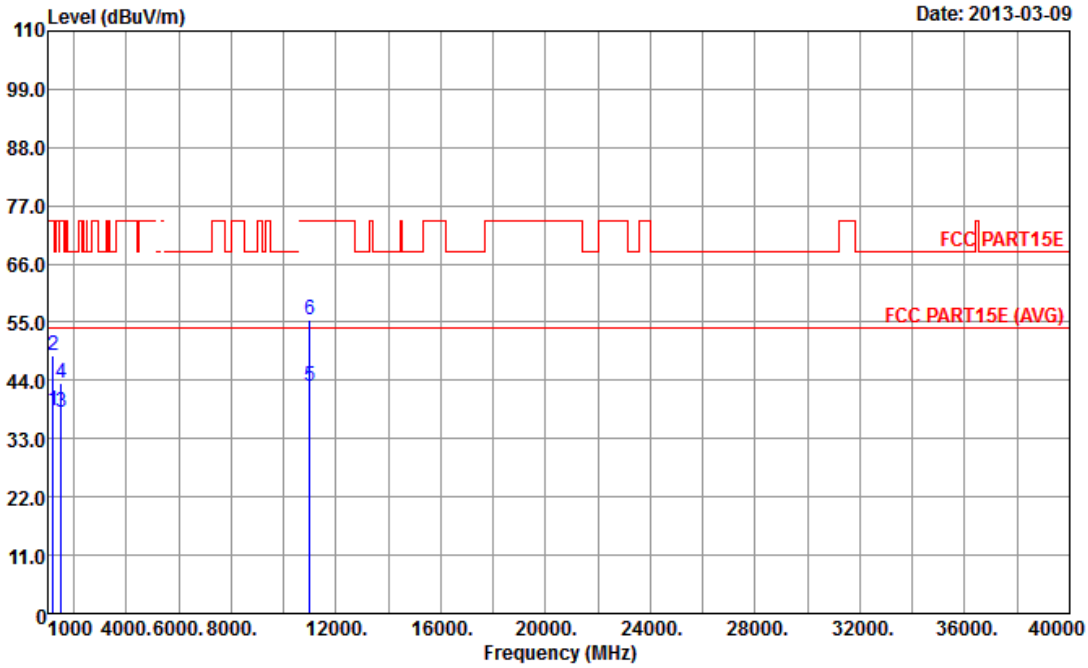
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.55	-15.45	54.00	45.11	27.94	3.14	37.64	---	---	Average
2	1200.00	47.21	-26.79	74.00	53.77	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.85	-17.15	54.00	42.10	28.00	3.55	36.80	---	---	Average
4	1500.00	47.51	-26.49	74.00	52.76	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.50	-11.50	54.00	29.98	37.86	9.90	35.24	---	---	Average
6	10640.00	56.06	-17.94	74.00	43.54	37.86	9.90	35.24	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

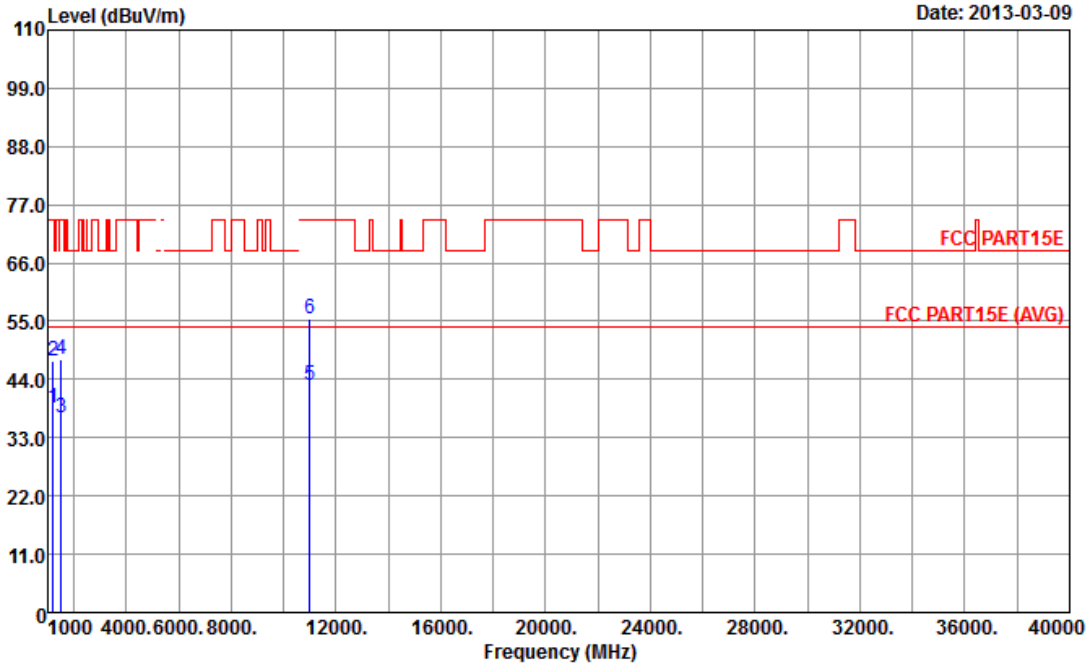
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.45	-15.55	54.00	45.01	27.94	3.14	37.64	---	---	Average
2	1200.00	48.85	-25.15	74.00	55.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.12	-15.88	54.00	43.37	28.00	3.55	36.80	---	---	Average
4	1500.00	43.51	-30.49	74.00	48.76	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.83	-11.17	54.00	29.82	38.00	10.11	35.10	---	---	Average
6	11000.00	55.34	-18.66	74.00	42.33	38.00	10.11	35.10	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

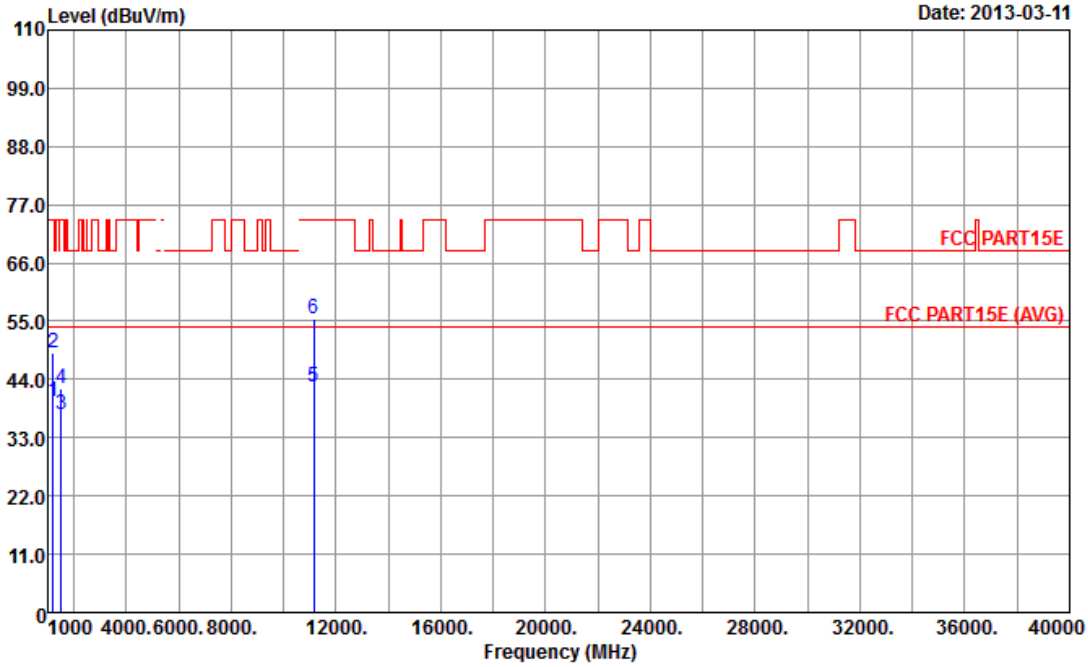
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.68	-15.32	54.00	45.24	27.94	3.14	37.64	---	---	Average
2	1200.00	47.44	-26.56	74.00	54.00	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.91	-17.09	54.00	42.16	28.00	3.55	36.80	---	---	Average
4	1500.00	47.82	-26.18	74.00	53.07	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.90	-11.10	54.00	29.89	38.00	10.11	35.10	---	---	Average
6	11000.00	55.53	-18.47	74.00	42.52	38.00	10.11	35.10	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

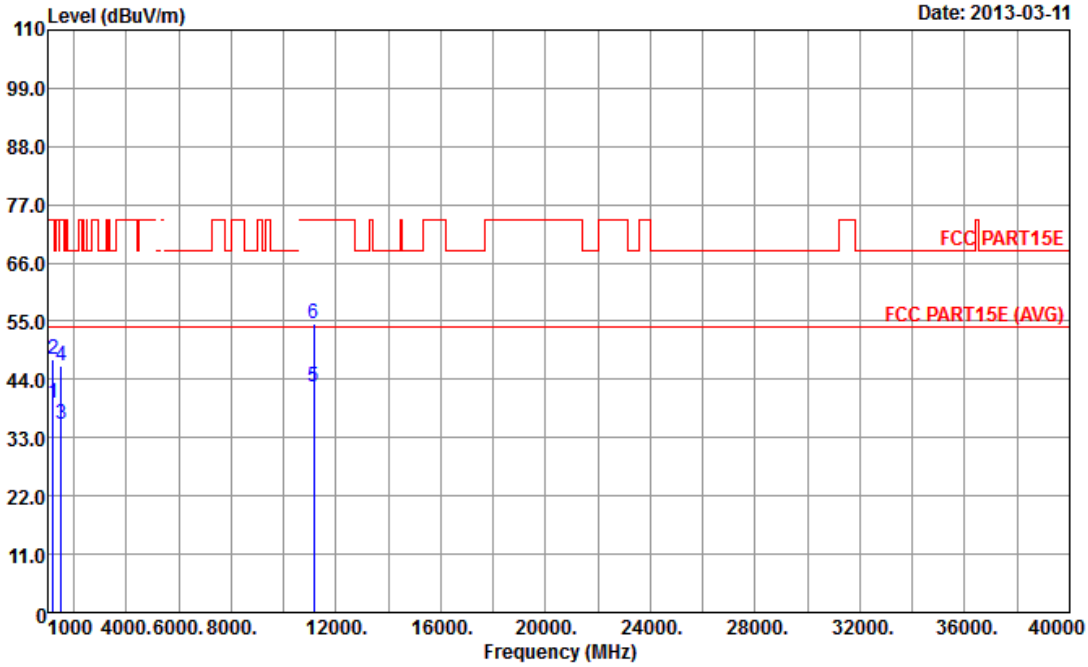
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.75	-14.25	54.00	46.31	27.94	3.14	37.64	---	---	Average
2	1200.00	48.94	-25.06	74.00	55.50	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.53	-16.47	54.00	42.78	28.00	3.55	36.80	---	---	Average
4	1500.00	42.42	-31.58	74.00	47.67	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.74	-11.26	54.00	29.43	38.16	10.19	35.04	---	---	Average
6	11160.00	55.56	-18.44	74.00	42.25	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

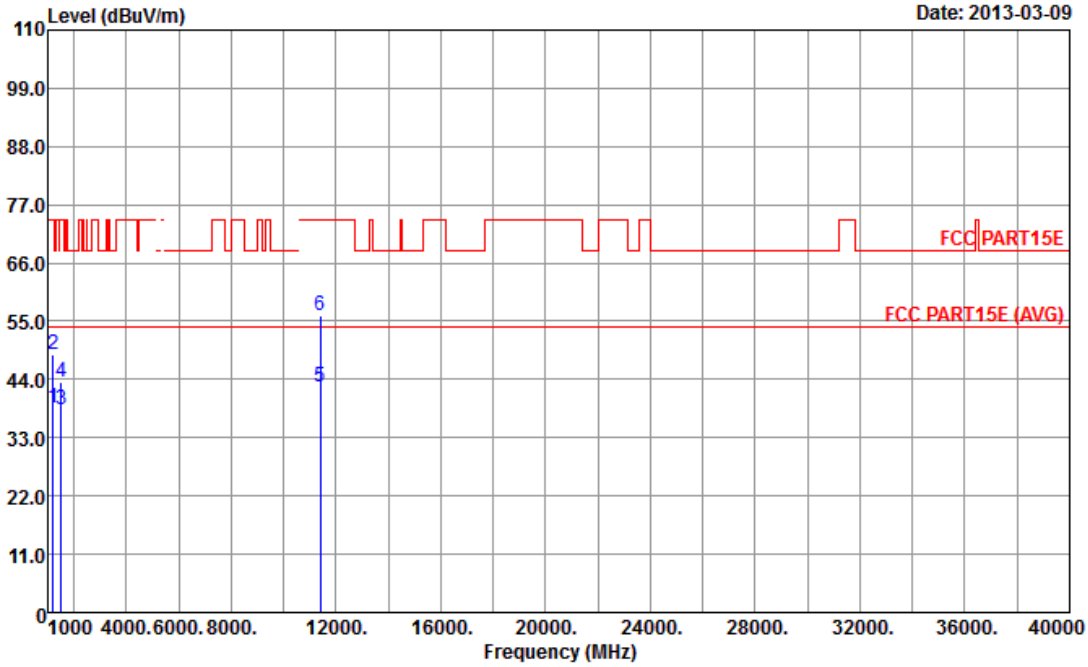
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.48	-14.52	54.00	46.04	27.94	3.14	37.64	---	---	Average
2	1200.00	47.83	-26.17	74.00	54.39	27.94	3.14	37.64	---	---	Peak
3	1500.00	35.46	-18.54	54.00	40.71	28.00	3.55	36.80	---	---	Average
4	1500.00	46.71	-27.29	74.00	51.96	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.54	-11.46	54.00	29.23	38.16	10.19	35.04	---	---	Average
6	11160.00	54.39	-19.61	74.00	41.08	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

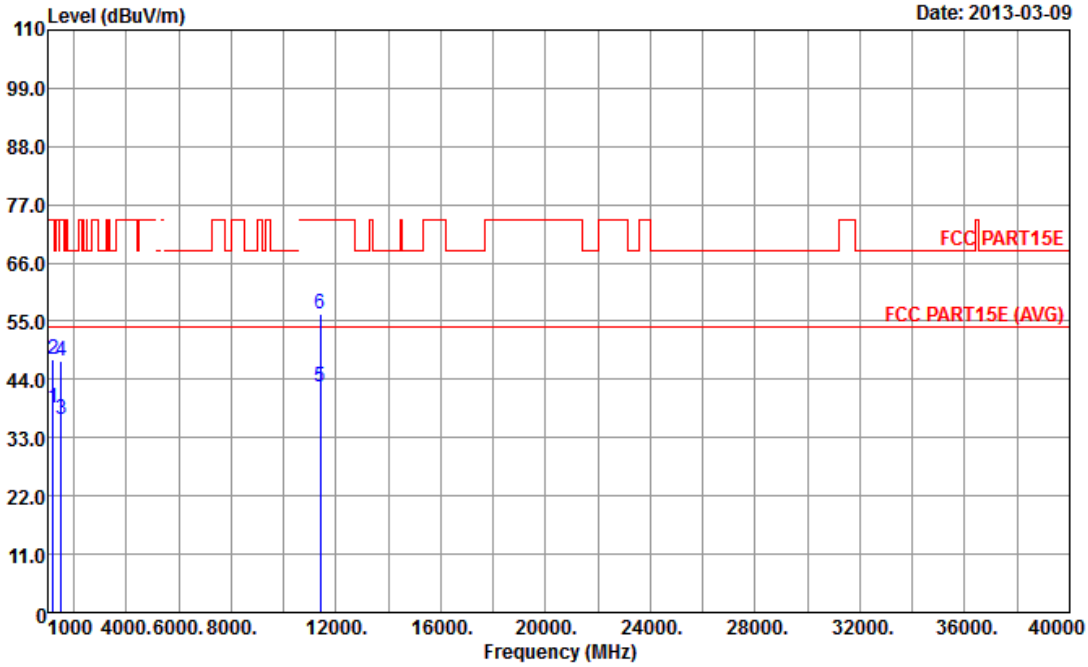
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.67	-15.33	54.00	45.23	27.94	3.14	37.64	---	---	Average
2	1200.00	48.77	-25.23	74.00	55.33	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.25	-15.75	54.00	43.50	28.00	3.55	36.80	---	---	Average
4	1500.00	43.62	-30.38	74.00	48.87	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.58	-11.42	54.00	28.81	38.40	10.31	34.94	---	---	Average
6	11400.00	56.05	-17.95	74.00	42.28	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	V

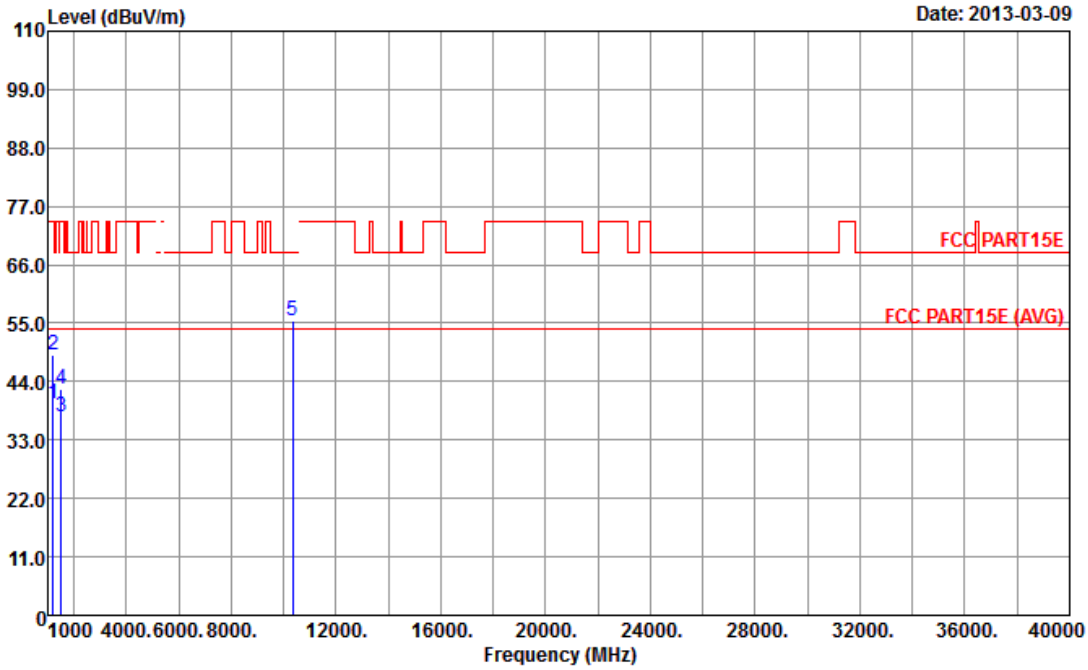


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.75	-15.25	54.00	45.31	27.94	3.14	37.64	---	---	Average
2	1200.00	47.66	-26.34	74.00	54.22	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.52	-17.48	54.00	41.77	28.00	3.55	36.80	---	---	Average
4	1500.00	47.61	-26.39	74.00	52.86	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.60	-11.40	54.00	28.83	38.40	10.31	34.94	---	---	Average
6	11400.00	56.25	-17.75	74.00	42.48	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

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

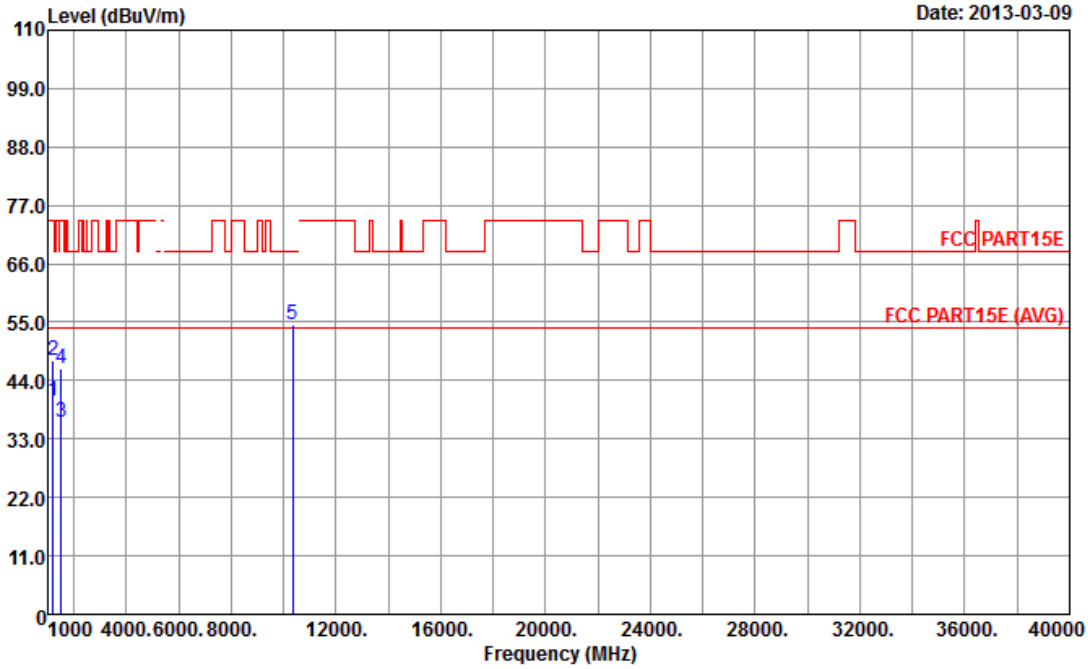
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.75	-14.25	54.00	46.31	27.94	3.14	37.64	---	---	Average
2	1200.00	49.15	-24.85	74.00	55.71	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.52	-16.48	54.00	42.77	28.00	3.55	36.80	---	---	Average
4	1500.00	42.44	-31.56	74.00	47.69	28.00	3.55	36.80	---	---	Peak
5	10360.00	55.56	-12.74	68.30	43.55	37.72	9.73	35.44	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

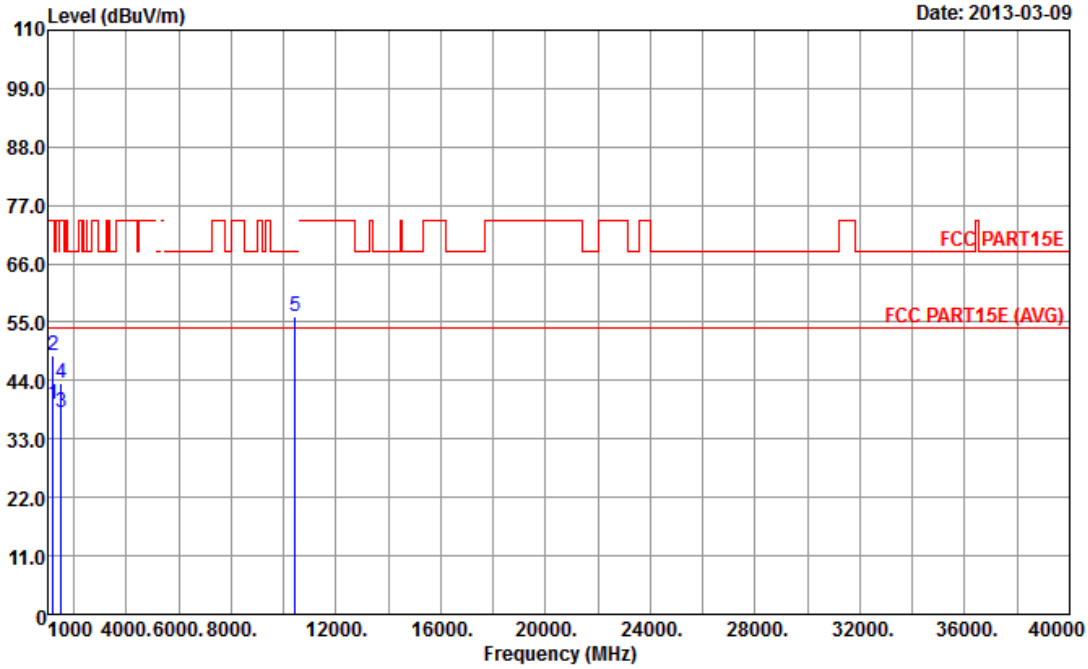
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.11	-13.89	54.00	46.67	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.21	-17.79	54.00	41.46	28.00	3.55	36.80	---	---	Average
4	1500.00	46.38	-27.62	74.00	51.63	28.00	3.55	36.80	---	---	Peak
5	10360.00	54.55	-13.75	68.30	42.54	37.72	9.73	35.44	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

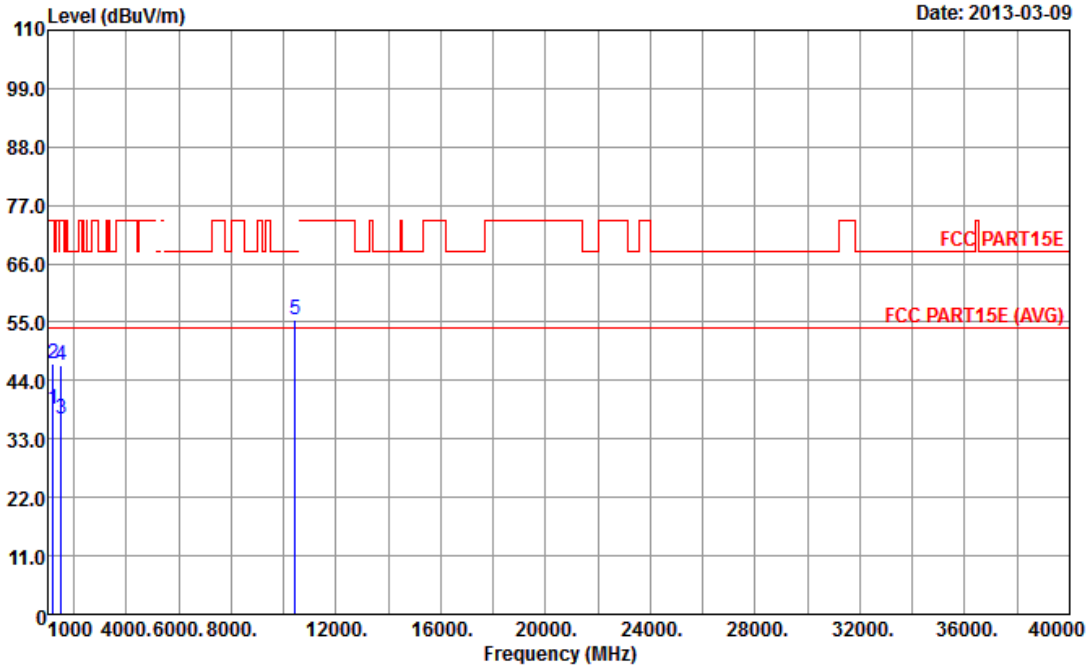
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.48	-14.52	54.00	46.04	27.94	3.14	37.64	---	---	Average
2	1200.00	48.66	-25.34	74.00	55.22	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.92	-16.08	54.00	43.17	28.00	3.55	36.80	---	---	Average
4	1500.00	43.48	-30.52	74.00	48.73	28.00	3.55	36.80	---	---	Peak
5	10440.00	55.92	-12.38	68.30	43.74	37.76	9.78	35.36	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

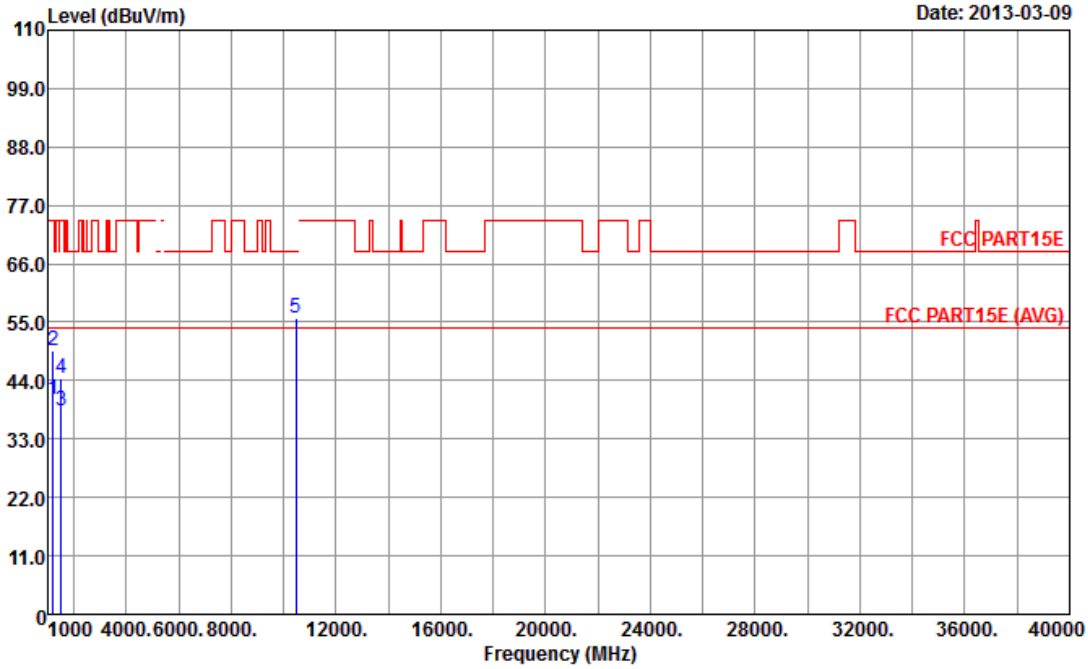
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.62	-15.38	54.00	45.18	27.94	3.14	37.64	---	---	Average
2	1200.00	47.25	-26.75	74.00	53.81	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.72	-17.28	54.00	41.97	28.00	3.55	36.80	---	---	Average
4	1500.00	46.85	-27.15	74.00	52.10	28.00	3.55	36.80	---	---	Peak
5	10440.00	55.47	-12.83	68.30	43.29	37.76	9.78	35.36	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

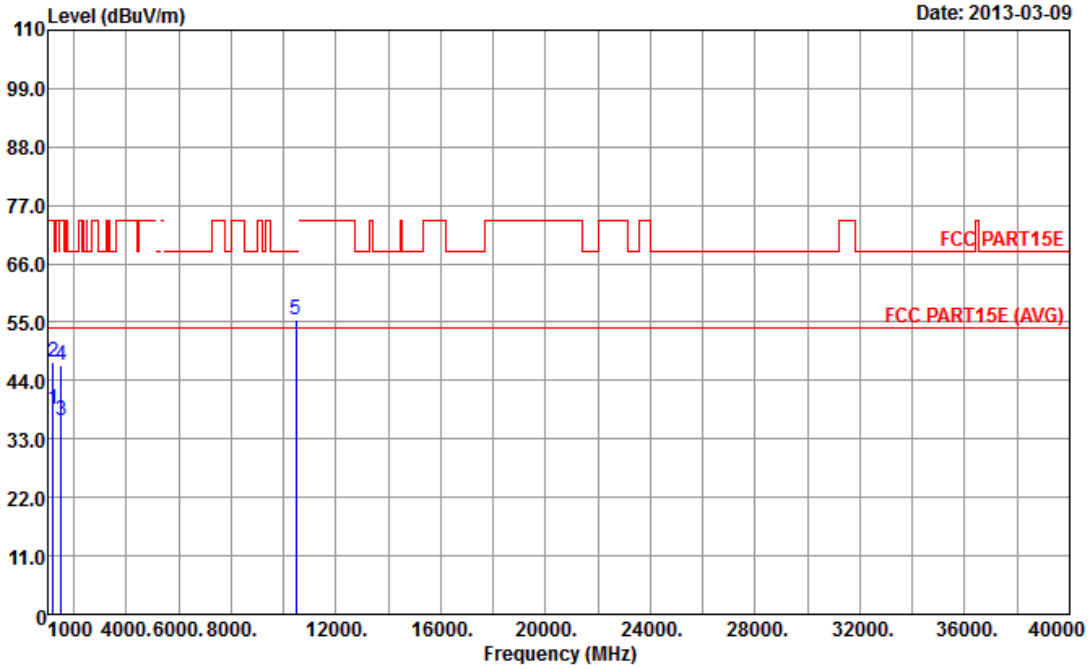
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.38	-13.62	54.00	46.94	27.94	3.14	37.64	---	---	Average
2	1200.00	49.51	-24.49	74.00	56.07	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.21	-15.79	54.00	43.46	28.00	3.55	36.80	---	---	Average
4	1500.00	44.58	-29.42	74.00	49.83	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.77	-12.53	68.30	43.50	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

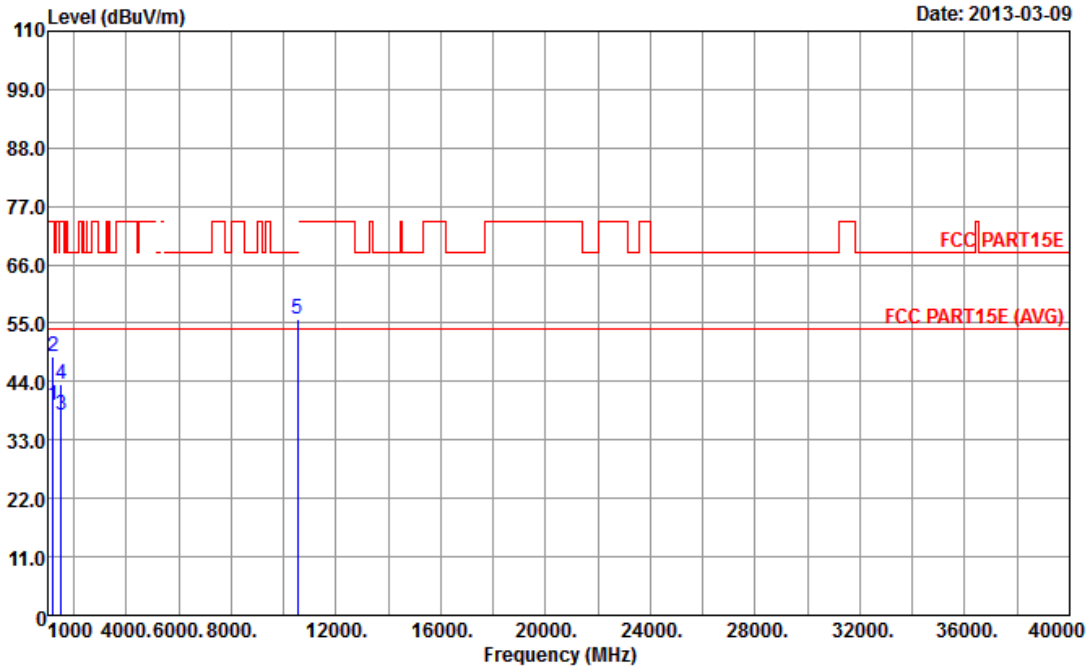
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.54	-15.46	54.00	45.10	27.94	3.14	37.64	---	---	Average
2	1200.00	47.48	-26.52	74.00	54.04	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.57	-17.43	54.00	41.82	28.00	3.55	36.80	---	---	Average
4	1500.00	46.82	-27.18	74.00	52.07	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.49	-12.81	68.30	43.22	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

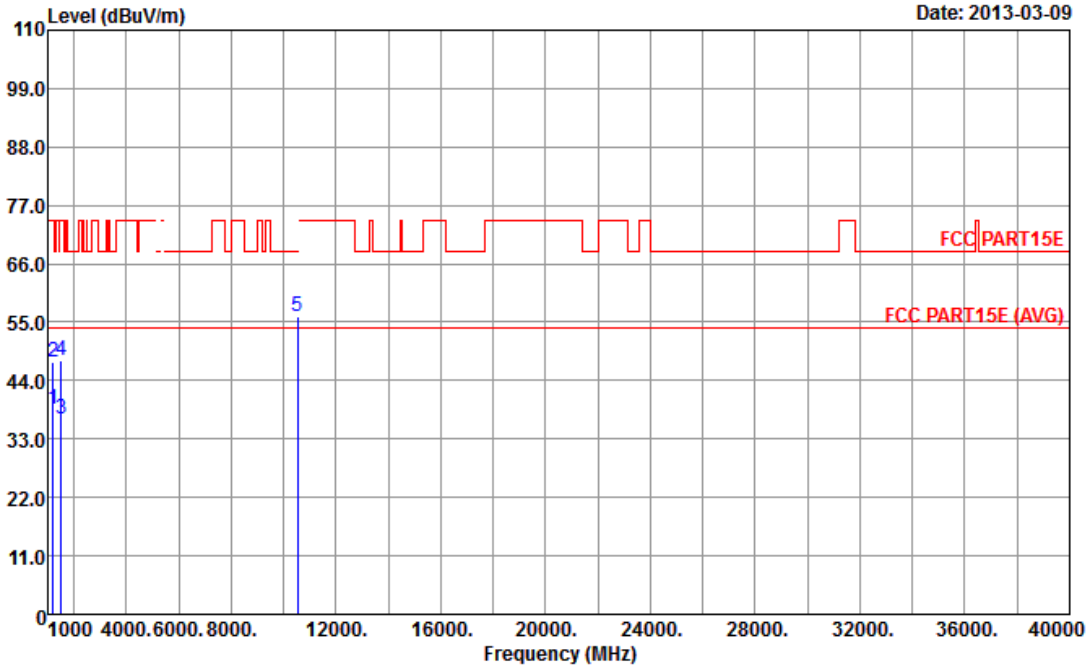
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.62	-14.38	54.00	46.18	27.94	3.14	37.64	---	---	Average
2	1200.00	48.75	-25.25	74.00	55.31	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.79	-16.21	54.00	43.04	28.00	3.55	36.80	---	---	Average
4	1500.00	43.57	-30.43	74.00	48.82	28.00	3.55	36.80	---	---	Peak
5	10520.00	55.78	-12.52	68.30	43.43	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

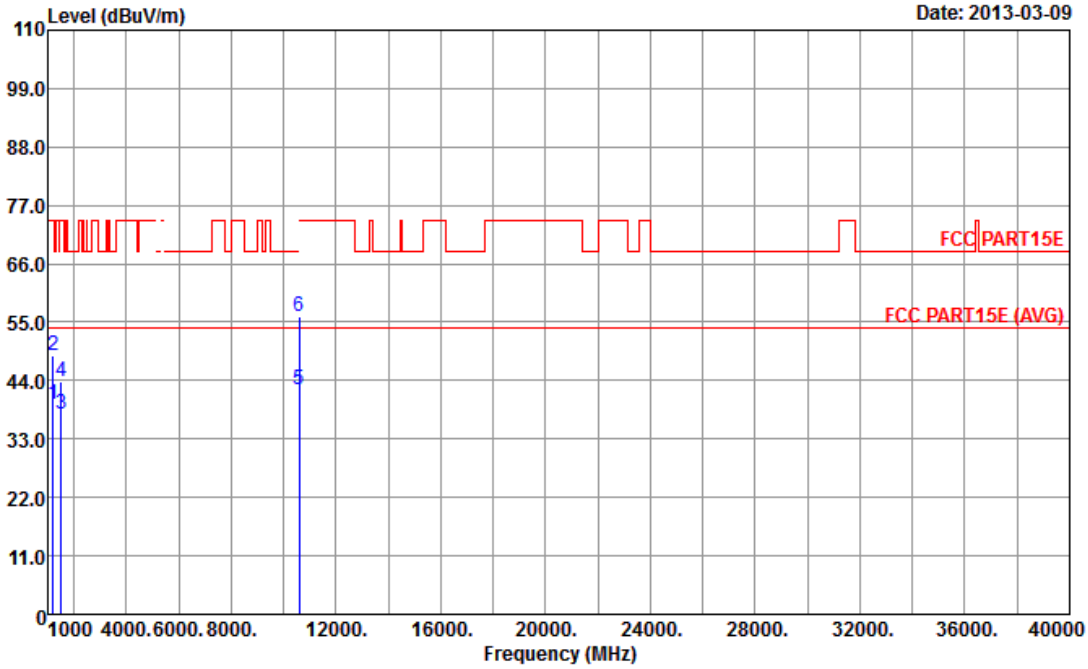
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.68	-15.32	54.00	45.24	27.94	3.14	37.64	---	---	Average
2	1200.00	47.44	-26.56	74.00	54.00	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.68	-17.32	54.00	41.93	28.00	3.55	36.80	---	---	Average
4	1500.00	47.92	-26.08	74.00	53.17	28.00	3.55	36.80	---	---	Peak
5	10520.00	55.92	-12.38	68.30	43.57	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

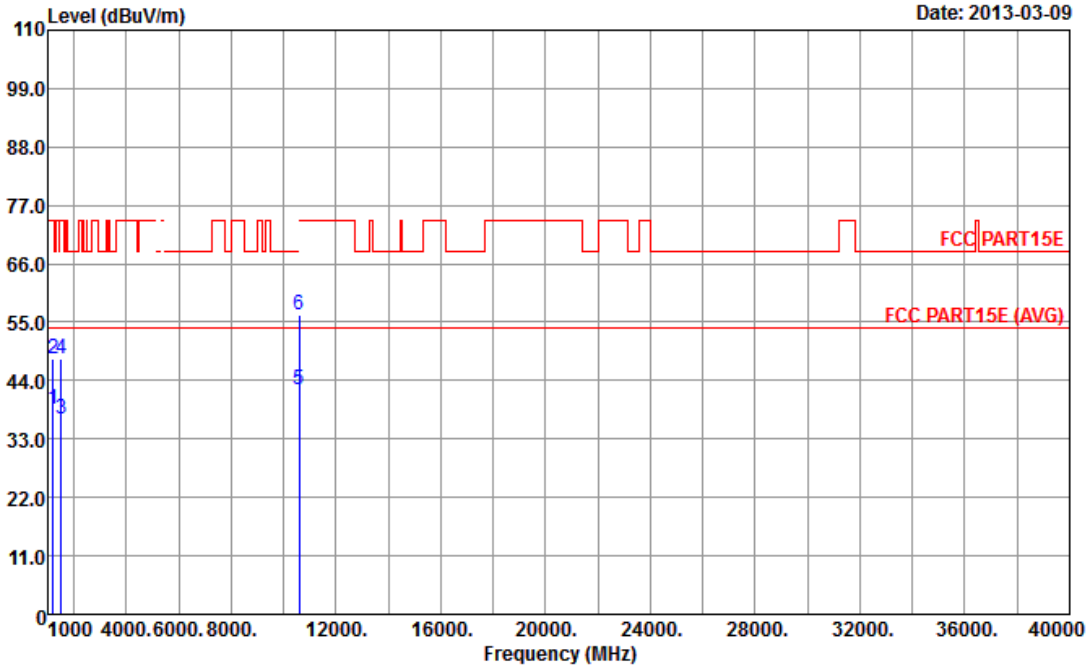
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.52	-14.48	54.00	46.08	27.94	3.14	37.64	---	---	Average
2	1200.00	48.79	-25.21	74.00	55.35	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.58	-16.42	54.00	42.83	28.00	3.55	36.80	---	---	Average
4	1500.00	43.82	-30.18	74.00	49.07	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.38	-11.62	54.00	29.93	37.84	9.87	35.26	---	---	Average
6	10600.00	56.21	-17.79	74.00	43.76	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

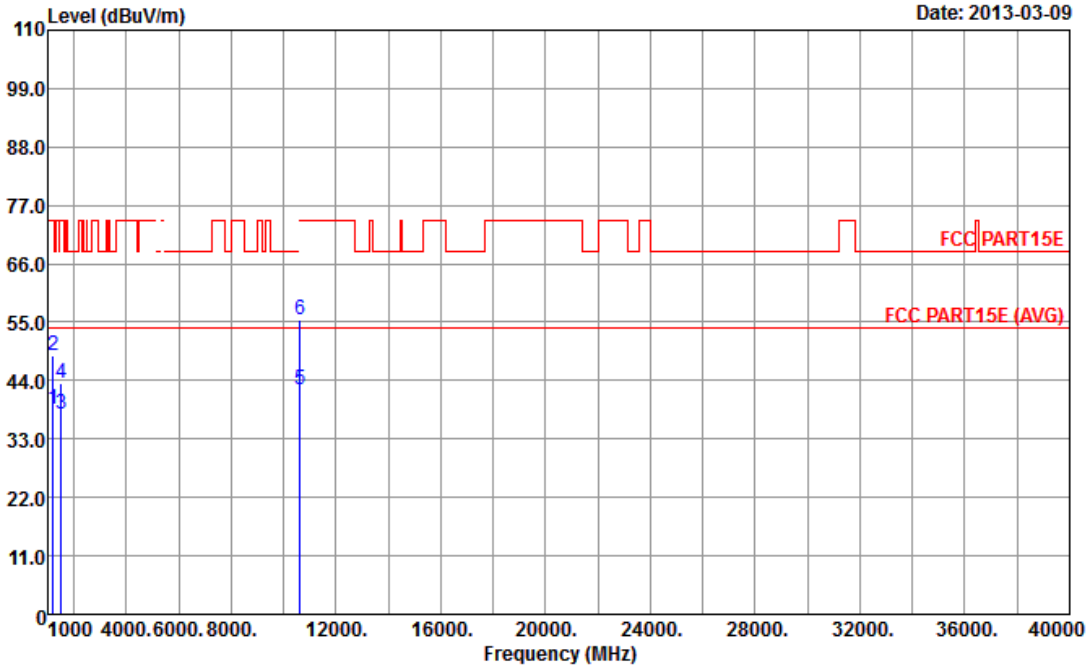
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.74	-15.26	54.00	45.30	27.94	3.14	37.64	---	---	Average
2	1200.00	47.98	-26.02	74.00	54.54	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.91	-17.09	54.00	42.16	28.00	3.55	36.80	---	---	Average
4	1500.00	48.21	-25.79	74.00	53.46	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.24	-11.76	54.00	29.79	37.84	9.87	35.26	---	---	Average
6	10600.00	56.41	-17.59	74.00	43.96	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

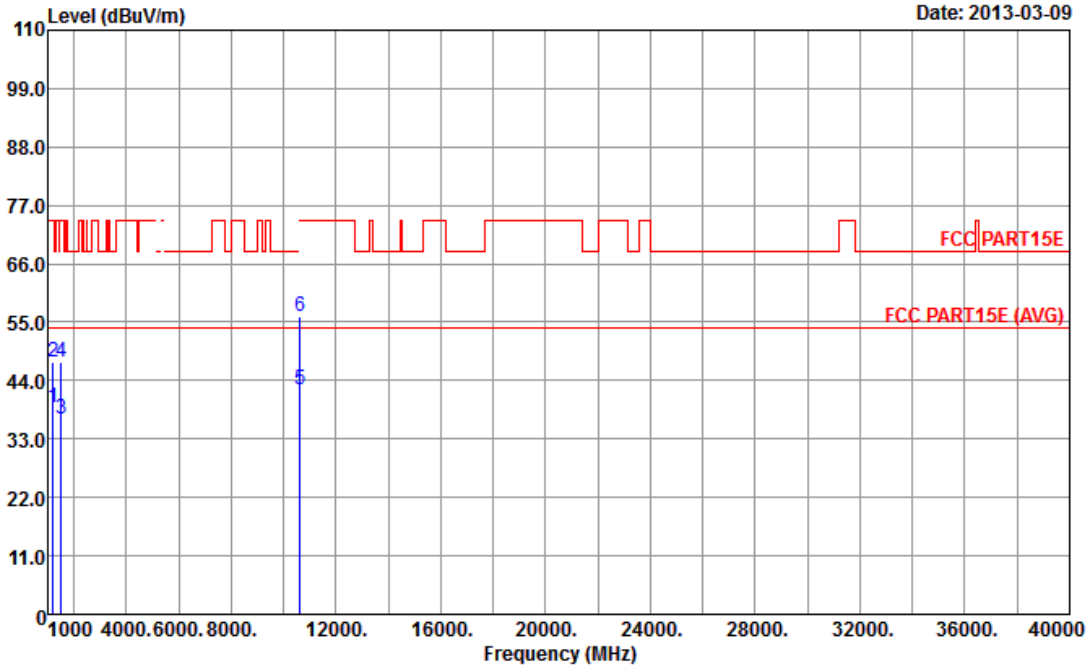
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.55	-15.45	54.00	45.11	27.94	3.14	37.64	---	---	Average
2	1200.00	48.66	-25.34	74.00	55.22	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.83	-16.17	54.00	43.08	28.00	3.55	36.80	---	---	Average
4	1500.00	43.53	-30.47	74.00	48.78	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.34	-11.66	54.00	29.82	37.86	9.90	35.24	---	---	Average
6	10640.00	55.53	-18.47	74.00	43.01	37.86	9.90	35.24	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

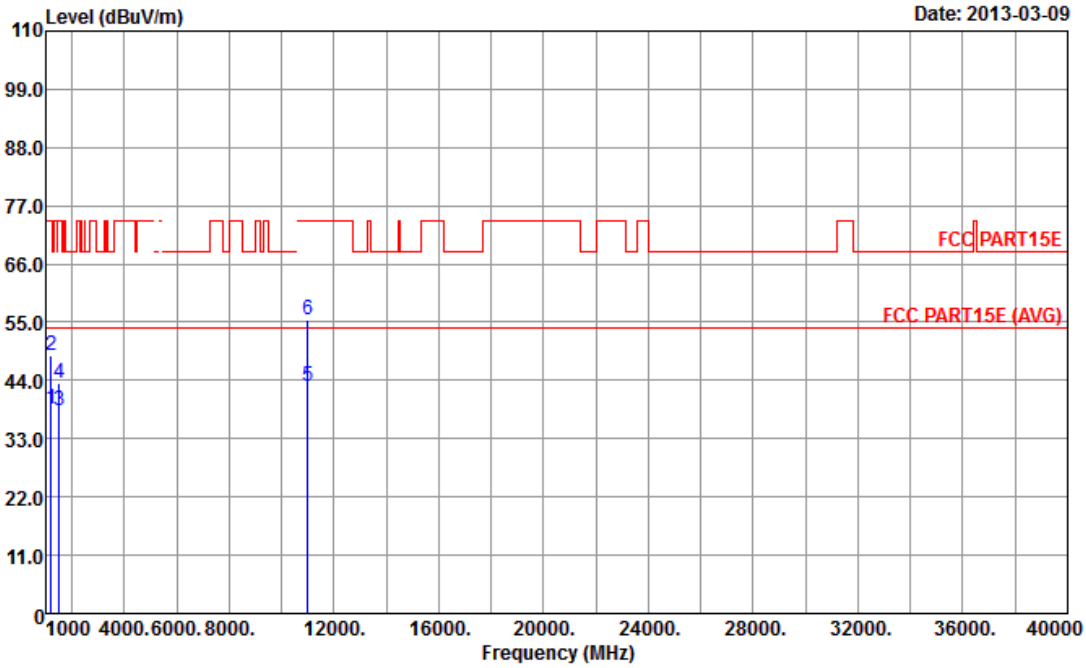
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.79	-15.21	54.00	45.35	27.94	3.14	37.64	---	---	Average
2	1200.00	47.45	-26.55	74.00	54.01	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.89	-17.11	54.00	42.14	28.00	3.55	36.80	---	---	Average
4	1500.00	47.62	-26.38	74.00	52.87	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.38	-11.62	54.00	29.86	37.86	9.90	35.24	---	---	Average
6	10640.00	56.13	-17.87	74.00	43.61	37.86	9.90	35.24	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

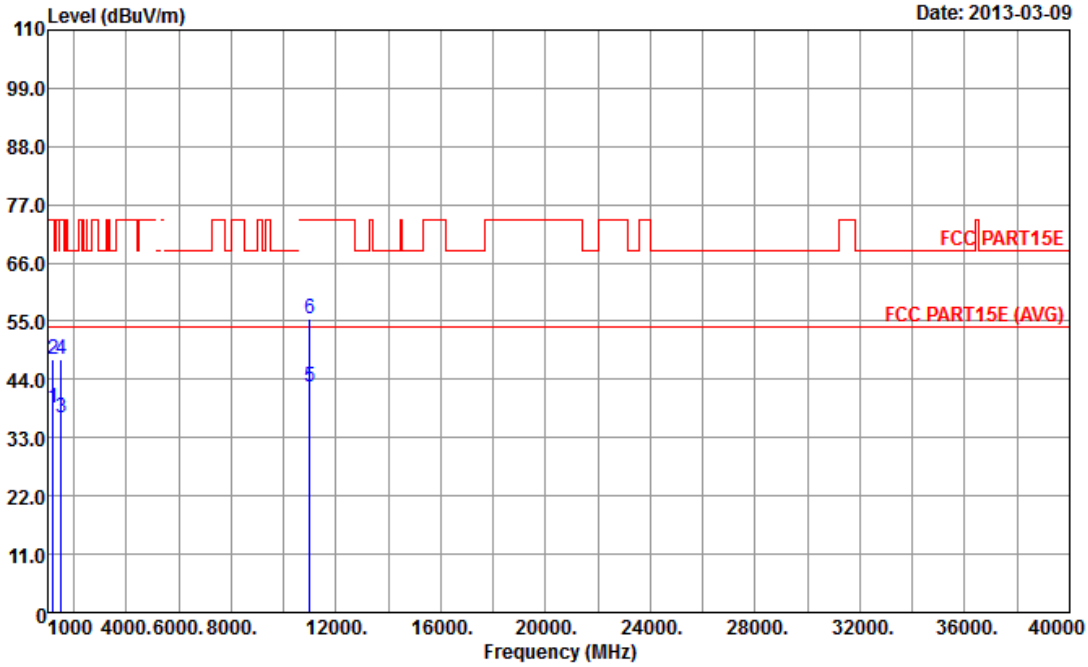
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.49	-15.51	54.00	45.05	27.94	3.14	37.64	---	---	Average
2	1200.00	48.81	-25.19	74.00	55.37	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.23	-15.77	54.00	43.48	28.00	3.55	36.80	---	---	Average
4	1500.00	43.49	-30.51	74.00	48.74	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.85	-11.15	54.00	29.84	38.00	10.11	35.10	---	---	Average
6	11000.00	55.39	-18.61	74.00	42.38	38.00	10.11	35.10	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

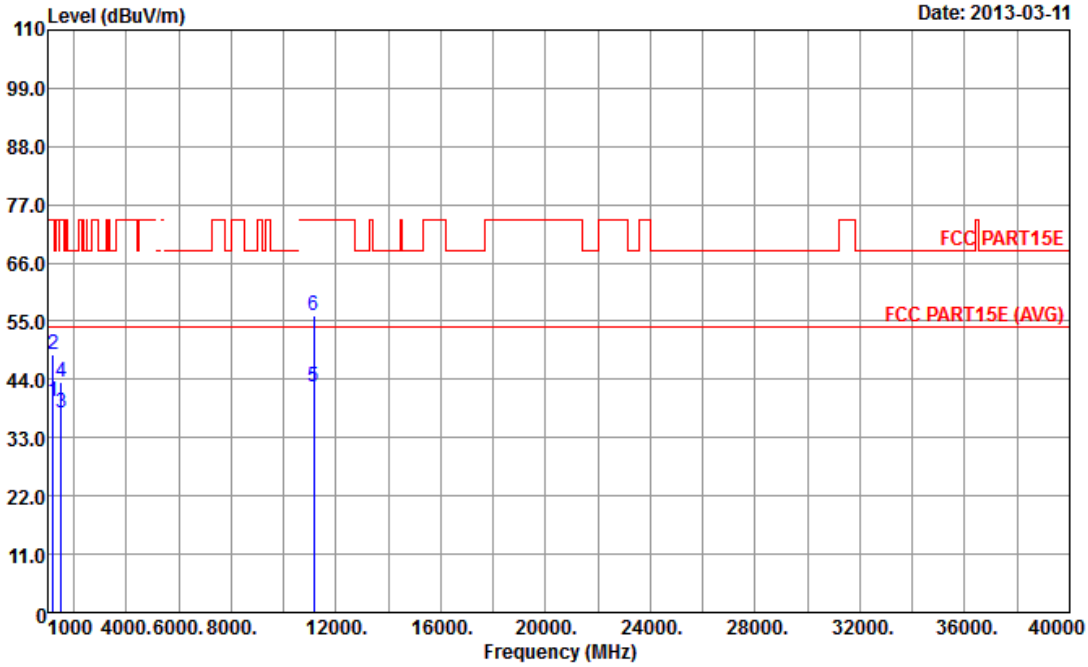
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.49	-15.51	54.00	45.05	27.94	3.14	37.64	---	---	Average
2	1200.00	47.68	-26.32	74.00	54.24	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.79	-17.21	54.00	42.04	28.00	3.55	36.80	---	---	Average
4	1500.00	47.92	-26.08	74.00	53.17	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.58	-11.42	54.00	29.57	38.00	10.11	35.10	---	---	Average
6	11000.00	55.48	-18.52	74.00	42.47	38.00	10.11	35.10	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

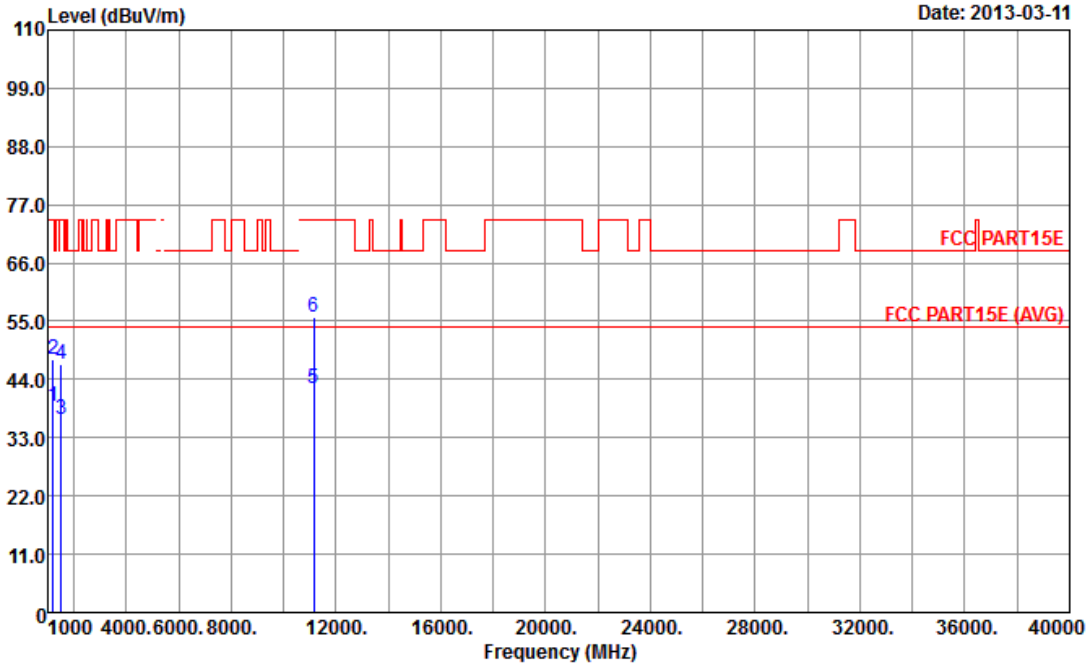
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.73	-14.27	54.00	46.29	27.94	3.14	37.64	---	---	Average
2	1200.00	48.72	-25.28	74.00	55.28	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.62	-16.38	54.00	42.87	28.00	3.55	36.80	---	---	Average
4	1500.00	43.48	-30.52	74.00	48.73	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.60	-11.40	54.00	29.29	38.16	10.19	35.04	---	---	Average
6	11160.00	55.96	-18.04	74.00	42.65	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

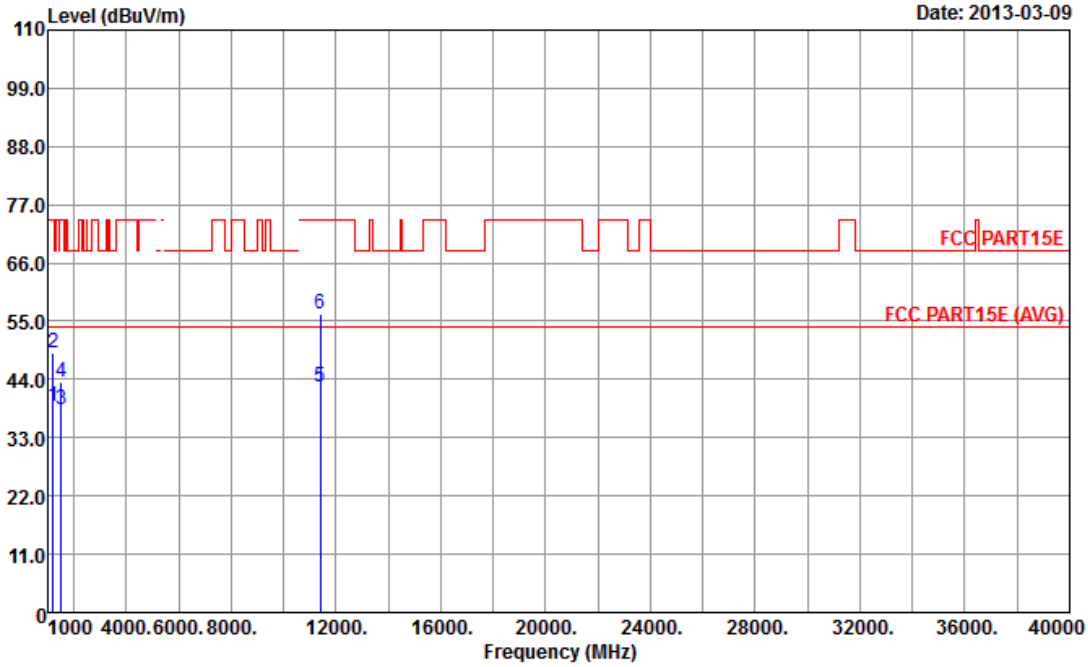
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.92	-15.08	54.00	45.48	27.94	3.14	37.64	---	---	Average
2	1200.00	47.75	-26.25	74.00	54.31	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.43	-17.57	54.00	41.68	28.00	3.55	36.80	---	---	Average
4	1500.00	46.75	-27.25	74.00	52.00	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.42	-11.58	54.00	29.11	38.16	10.19	35.04	---	---	Average
6	11160.00	55.77	-18.23	74.00	42.46	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

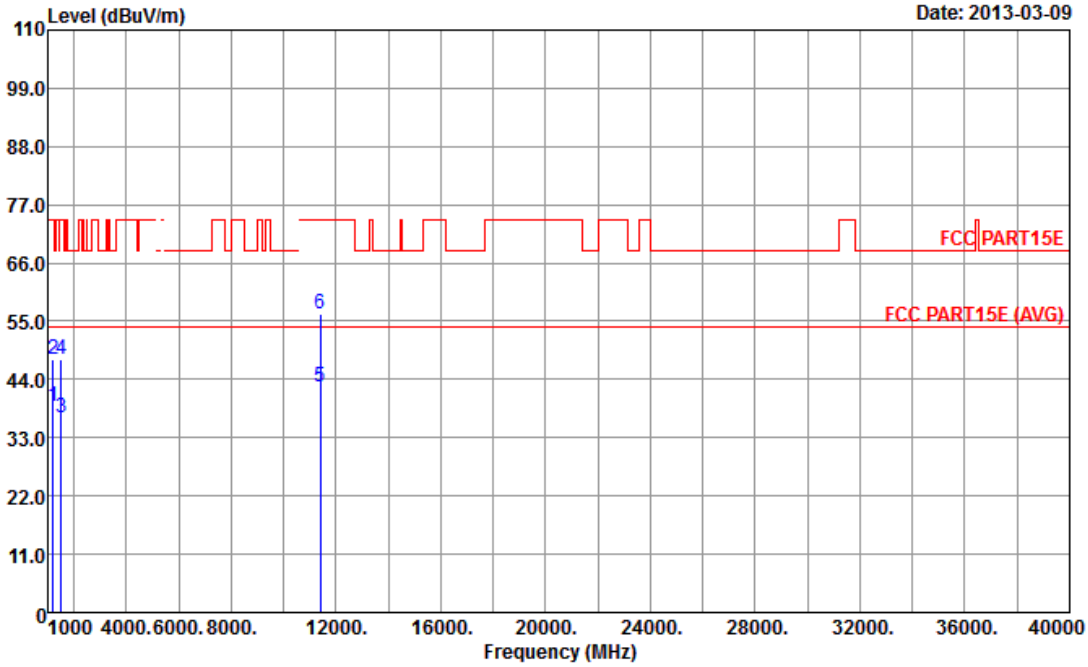
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.82	-15.18	54.00	45.38	27.94	3.14	37.64	---	---	Average
2	1200.00	48.91	-25.09	74.00	55.47	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.44	-15.56	54.00	43.69	28.00	3.55	36.80	---	---	Average
4	1500.00	43.48	-30.52	74.00	48.73	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.61	-11.39	54.00	28.84	38.40	10.31	34.94	---	---	Average
6	11400.00	56.51	-17.49	74.00	42.74	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	V

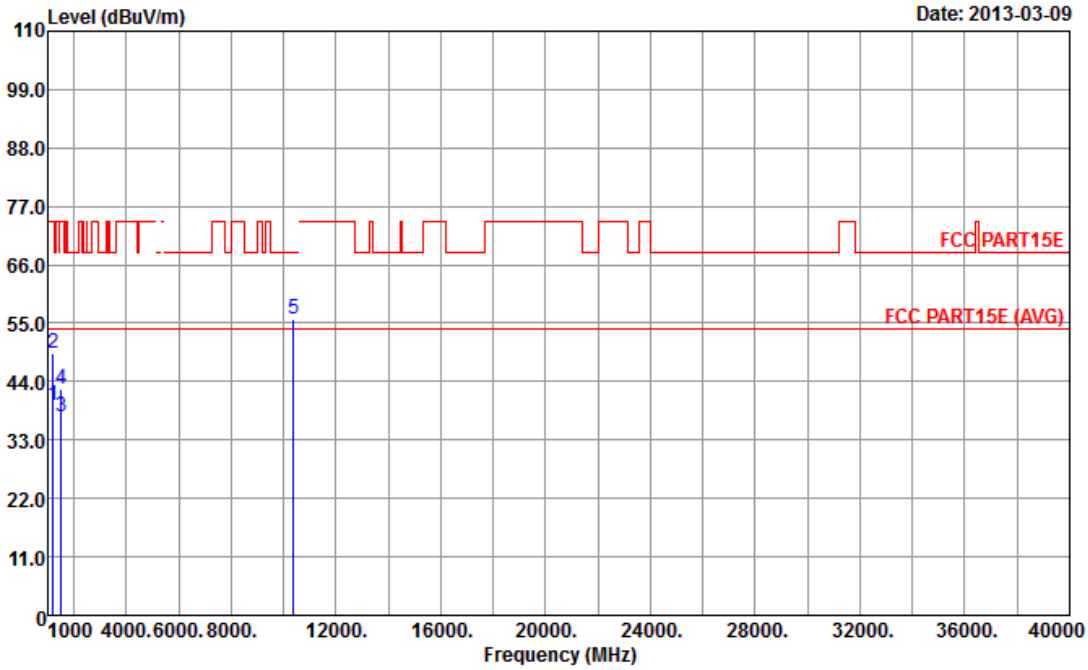


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.92	-15.08	54.00	45.48	27.94	3.14	37.64	---	---	Average
2	1200.00	47.82	-26.18	74.00	54.38	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.83	-17.17	54.00	42.08	28.00	3.55	36.80	---	---	Average
4	1500.00	47.83	-26.17	74.00	53.08	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.66	-11.34	54.00	28.89	38.40	10.31	34.94	---	---	Average
6	11400.00	56.51	-17.49	74.00	42.74	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

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

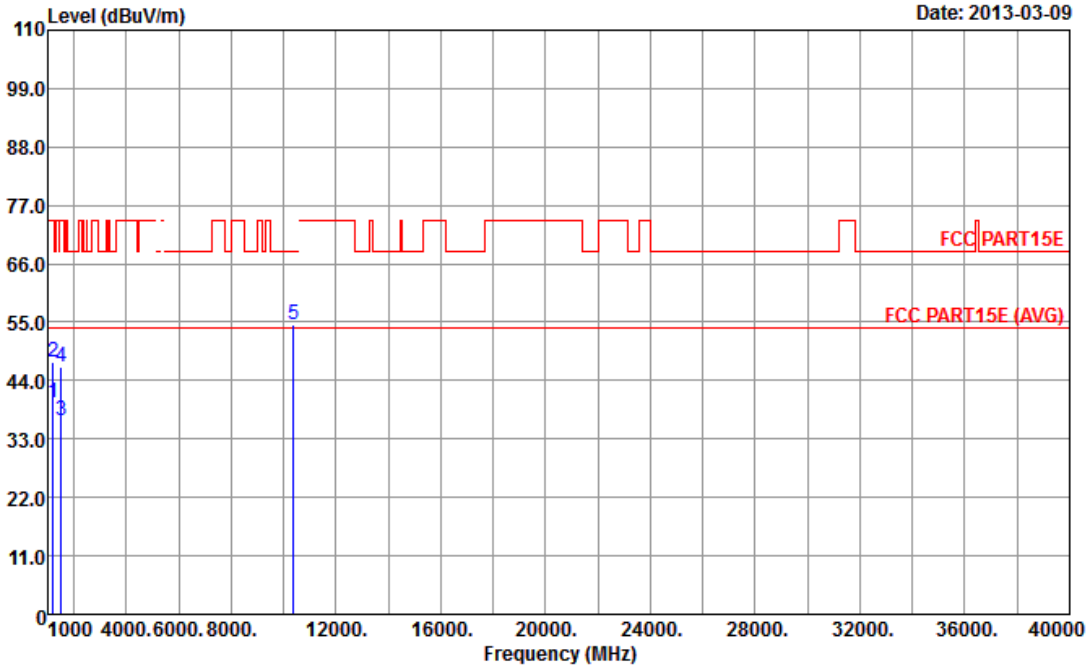
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F1'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.44	-14.56	54.00	46.00	27.94	3.14	37.64	---	---	Average
2	1200.00	49.41	-24.59	74.00	55.97	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.48	-16.52	54.00	42.73	28.00	3.55	36.80	---	---	Average
4	1500.00	42.58	-31.42	74.00	47.83	28.00	3.55	36.80	---	---	Peak
5	10380.00	55.67	-12.63	68.30	43.62	37.73	9.74	35.42	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

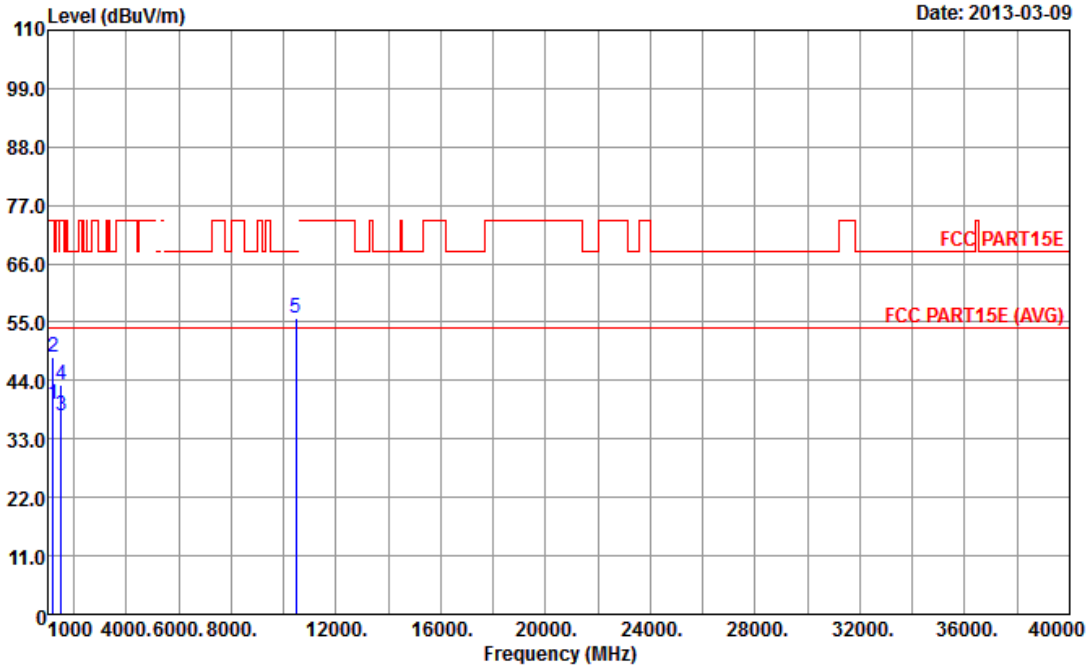
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F1'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.78	-14.22	54.00	46.34	27.94	3.14	37.64	---	---	Average
2	1200.00	47.64	-26.36	74.00	54.20	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.37	-17.63	54.00	41.62	28.00	3.55	36.80	---	---	Average
4	1500.00	46.45	-27.55	74.00	51.70	28.00	3.55	36.80	---	---	Peak
5	10380.00	54.69	-13.61	68.30	42.64	37.73	9.74	35.42	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

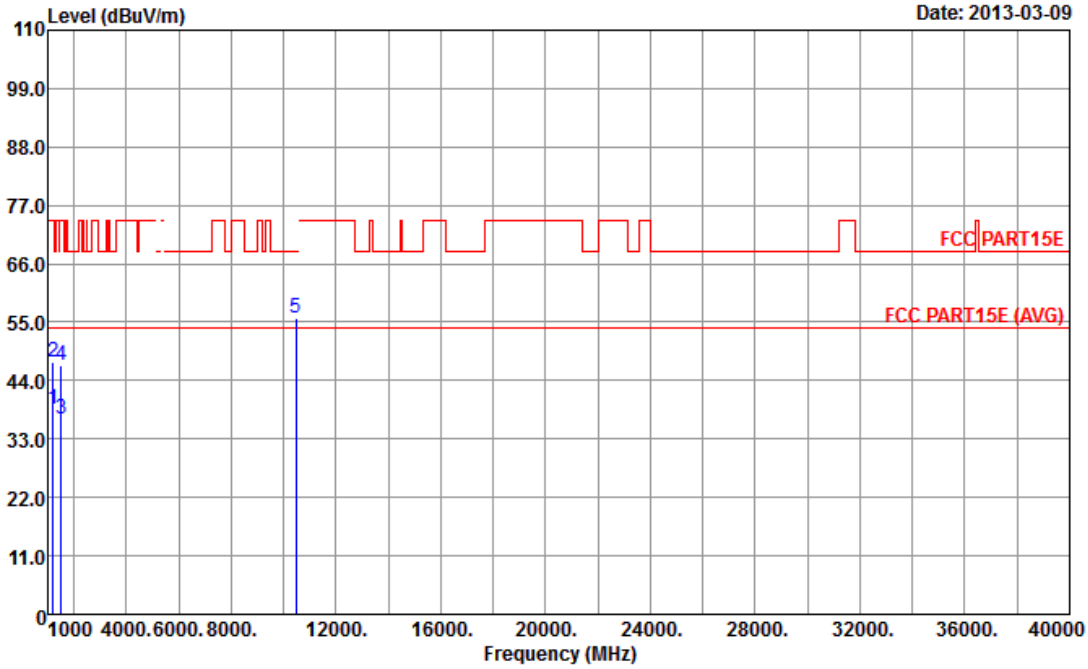
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F2'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.41	-14.59	54.00	45.97	27.94	3.14	37.64	---	---	Average
2	1200.00	48.52	-25.48	74.00	55.08	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.45	-16.55	54.00	42.70	28.00	3.55	36.80	---	---	Average
4	1500.00	43.21	-30.79	74.00	48.46	28.00	3.55	36.80	---	---	Peak
5	10460.00	55.68	-12.62	68.30	43.45	37.78	9.79	35.34	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

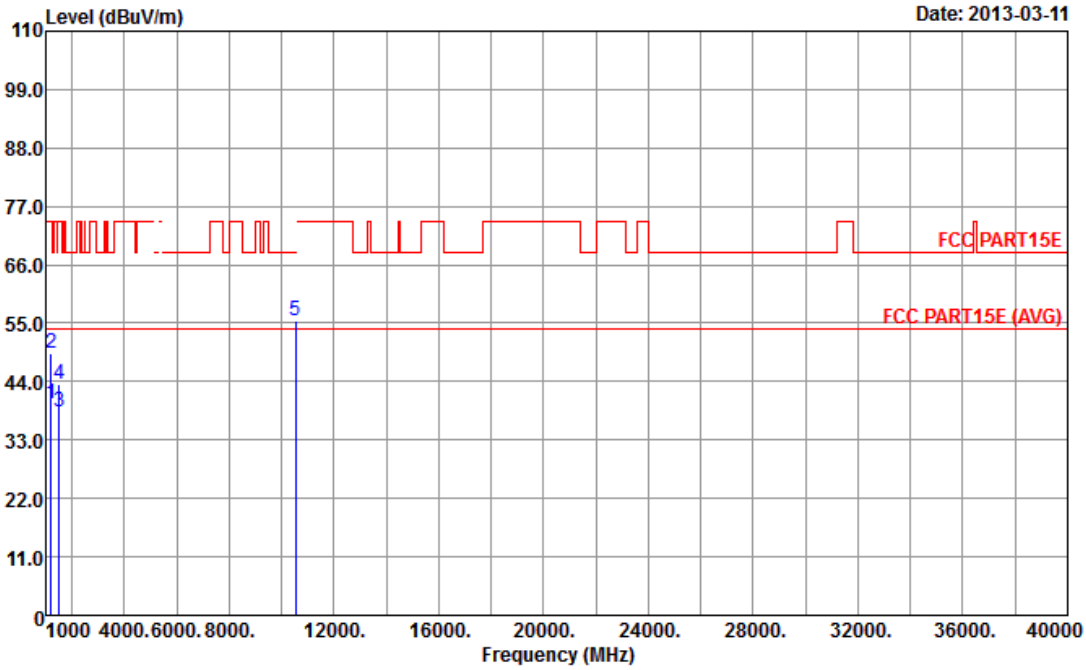
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F2'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.69	-15.31	54.00	45.25	27.94	3.14	37.64	---	---	Average
2	1200.00	47.45	-26.55	74.00	54.01	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.82	-17.18	54.00	42.07	28.00	3.55	36.80	---	---	Average
4	1500.00	46.77	-27.23	74.00	52.02	28.00	3.55	36.80	---	---	Peak
5	10460.00	55.63	-12.67	68.30	43.40	37.78	9.79	35.34	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

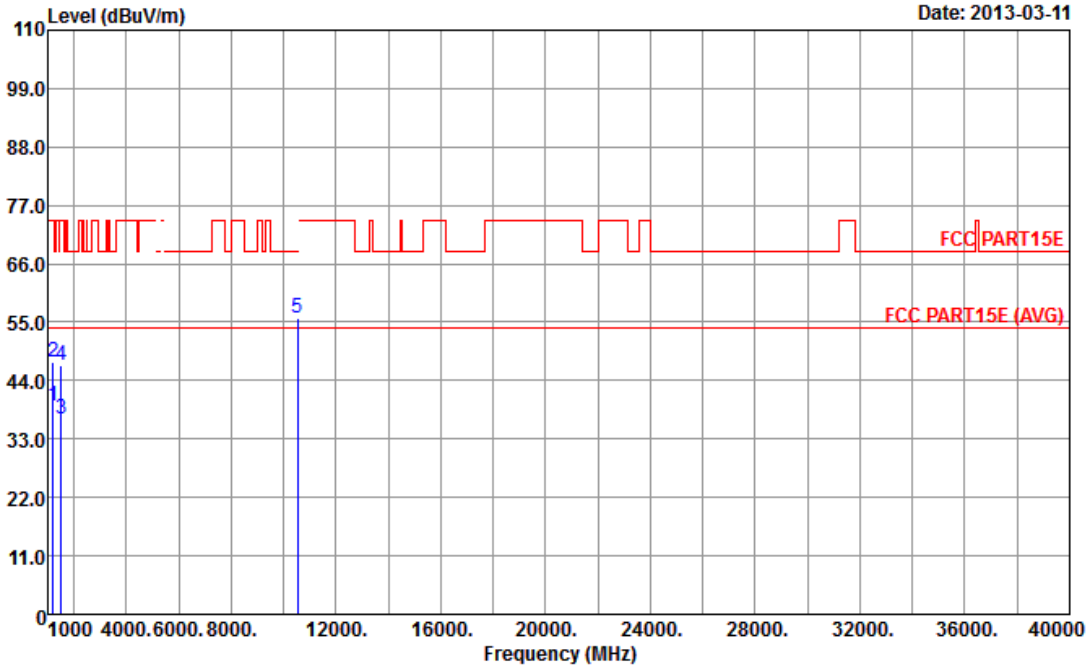
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F3'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.95	-14.05	54.00	46.51	27.94	3.14	37.64	---	---	Average
2	1200.00	49.44	-24.56	74.00	56.00	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.24	-15.76	54.00	43.49	28.00	3.55	36.80	---	---	Average
4	1500.00	43.48	-30.52	74.00	48.73	28.00	3.55	36.80	---	---	Peak
5	10540.00	55.51	-12.79	68.30	43.13	37.82	9.84	35.28	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

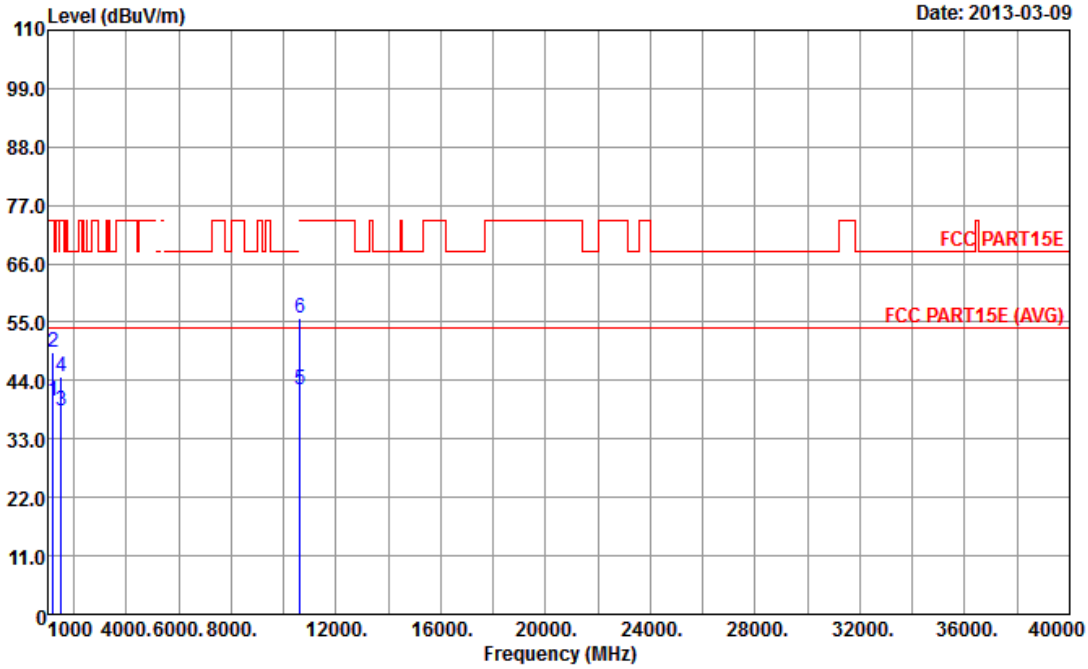
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F3'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.11	-14.89	54.00	45.67	27.94	3.14	37.64	---	---	Average
2	1200.00	47.64	-26.36	74.00	54.20	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.75	-17.25	54.00	42.00	28.00	3.55	36.80	---	---	Average
4	1500.00	46.85	-27.15	74.00	52.10	28.00	3.55	36.80	---	---	Peak
5	10540.00	55.64	-12.66	68.30	43.26	37.82	9.84	35.28	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

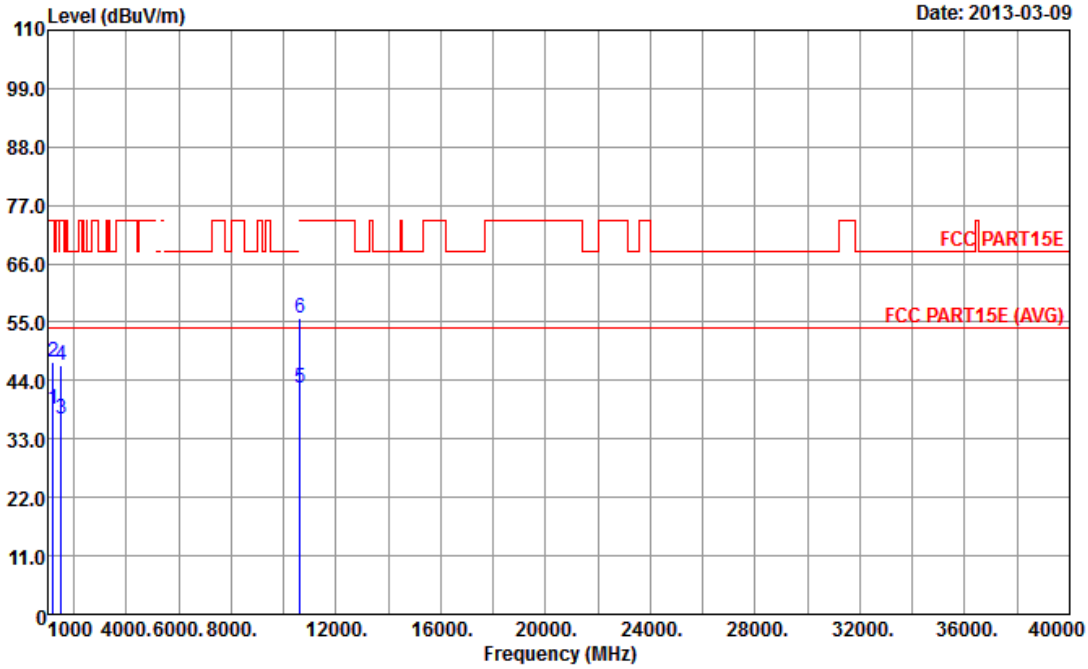
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F4'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.11	-13.89	54.00	46.67	27.94	3.14	37.64	---	---	Average
2	1200.00	49.43	-24.57	74.00	55.99	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.42	-15.58	54.00	43.67	28.00	3.55	36.80	---	---	Average
4	1500.00	44.66	-29.34	74.00	49.91	28.00	3.55	36.80	---	---	Peak
5	10620.00	42.22	-11.78	54.00	29.73	37.85	9.89	35.25	---	---	Average
6	10620.00	55.79	-18.21	74.00	43.30	37.85	9.89	35.25	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

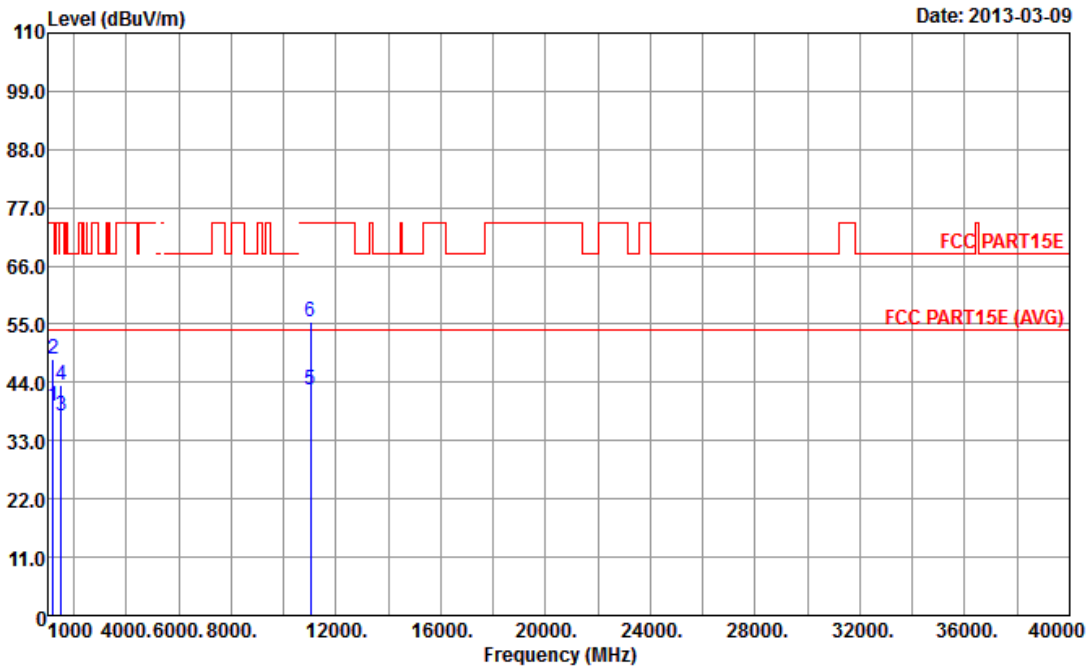
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F4'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.69	-15.31	54.00	45.25	27.94	3.14	37.64	---	---	Average
2	1200.00	47.43	-26.57	74.00	53.99	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.62	-17.38	54.00	41.87	28.00	3.55	36.80	---	---	Average
4	1500.00	46.89	-27.11	74.00	52.14	28.00	3.55	36.80	---	---	Peak
5	10620.00	42.44	-11.56	54.00	29.95	37.85	9.89	35.25	---	---	Average
6	10620.00	55.62	-18.38	74.00	43.13	37.85	9.89	35.25	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

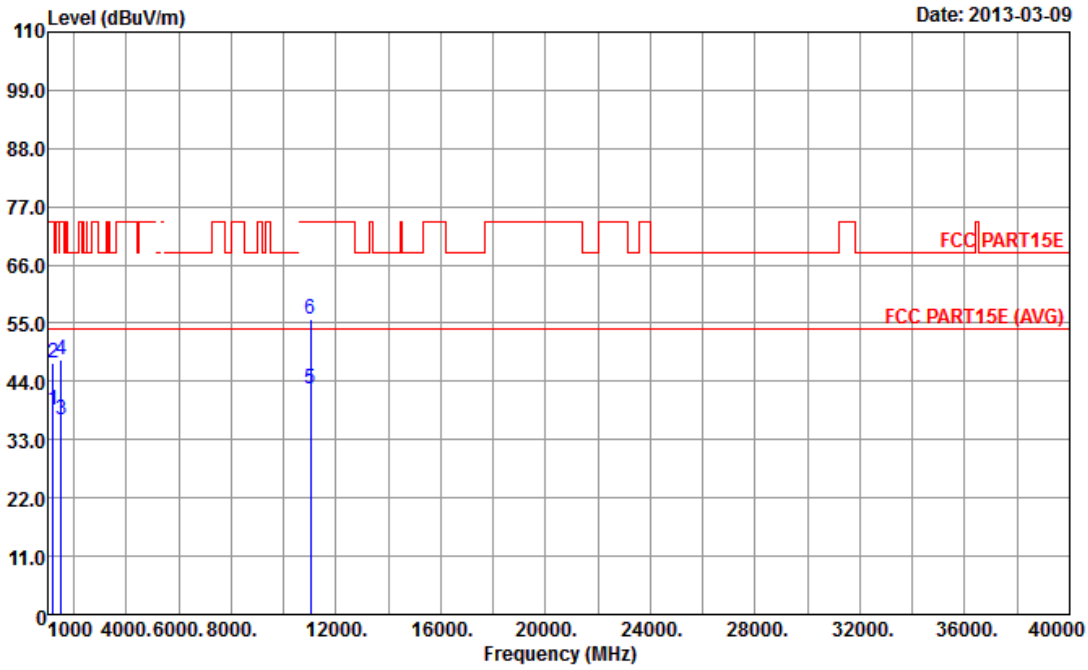
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F5'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.41	-14.59	54.00	45.97	27.94	3.14	37.64	---	---	Average
2	1200.00	48.45	-25.55	74.00	55.01	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.63	-16.37	54.00	42.88	28.00	3.55	36.80	---	---	Average
4	1500.00	43.46	-30.54	74.00	48.71	28.00	3.55	36.80	---	---	Peak
5	11020.00	42.55	-11.45	54.00	29.50	38.02	10.12	35.09	---	---	Average
6	11020.00	55.41	-18.59	74.00	42.36	38.02	10.12	35.09	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

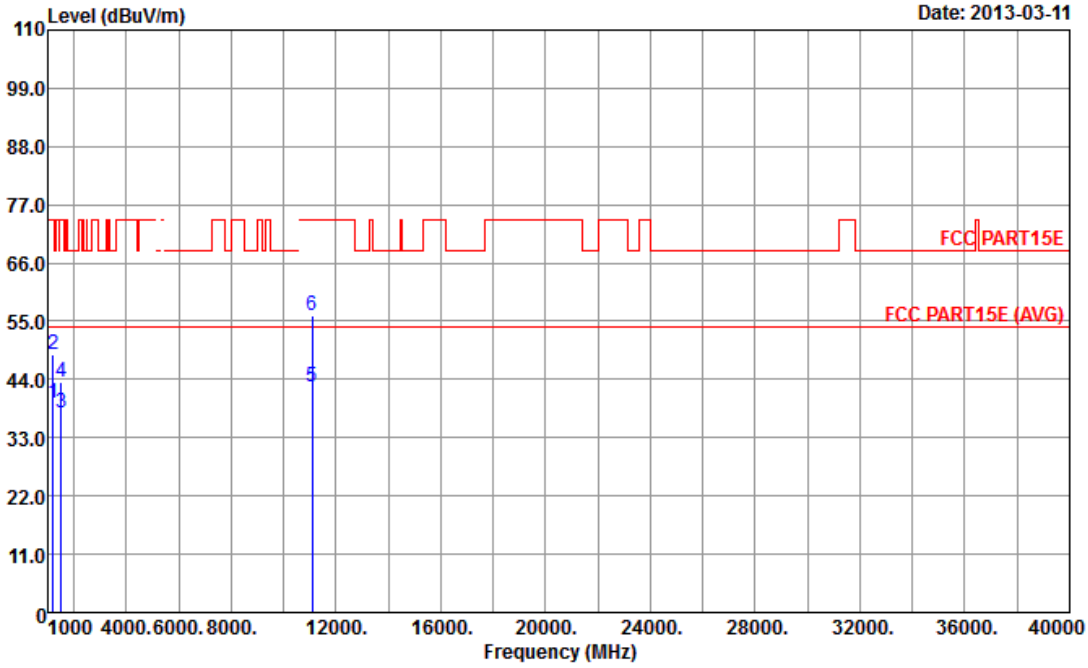
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F5'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.65	-15.35	54.00	45.21	27.94	3.14	37.64	---	---	Average
2	1200.00	47.49	-26.51	74.00	54.05	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.86	-17.14	54.00	42.11	28.00	3.55	36.80	---	---	Average
4	1500.00	47.97	-26.03	74.00	53.22	28.00	3.55	36.80	---	---	Peak
5	11020.00	42.63	-11.37	54.00	29.58	38.02	10.12	35.09	---	---	Average
6	11020.00	55.78	-18.22	74.00	42.73	38.02	10.12	35.09	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

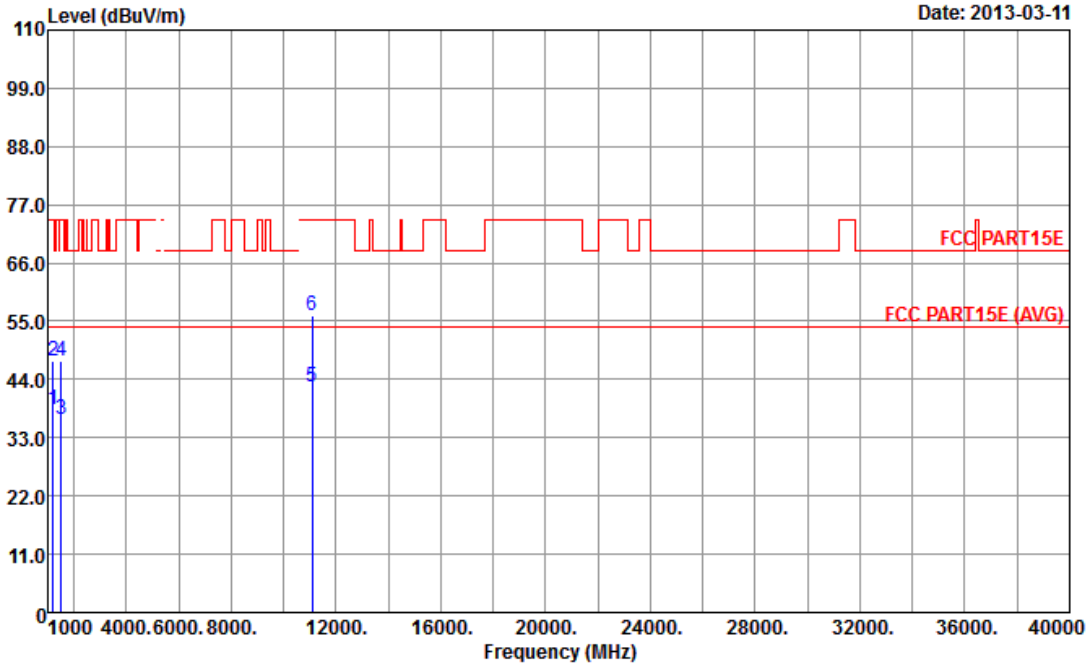
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F6'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.42	-14.58	54.00	45.98	27.94	3.14	37.64	---	---	Average
2	1200.00	48.75	-25.25	74.00	55.31	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.64	-16.36	54.00	42.89	28.00	3.55	36.80	---	---	Average
4	1500.00	43.45	-30.55	74.00	48.70	28.00	3.55	36.80	---	---	Peak
5	11100.00	42.63	-11.37	54.00	29.43	38.10	10.16	35.06	---	---	Average
6	11100.00	56.17	-17.83	74.00	42.97	38.10	10.16	35.06	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

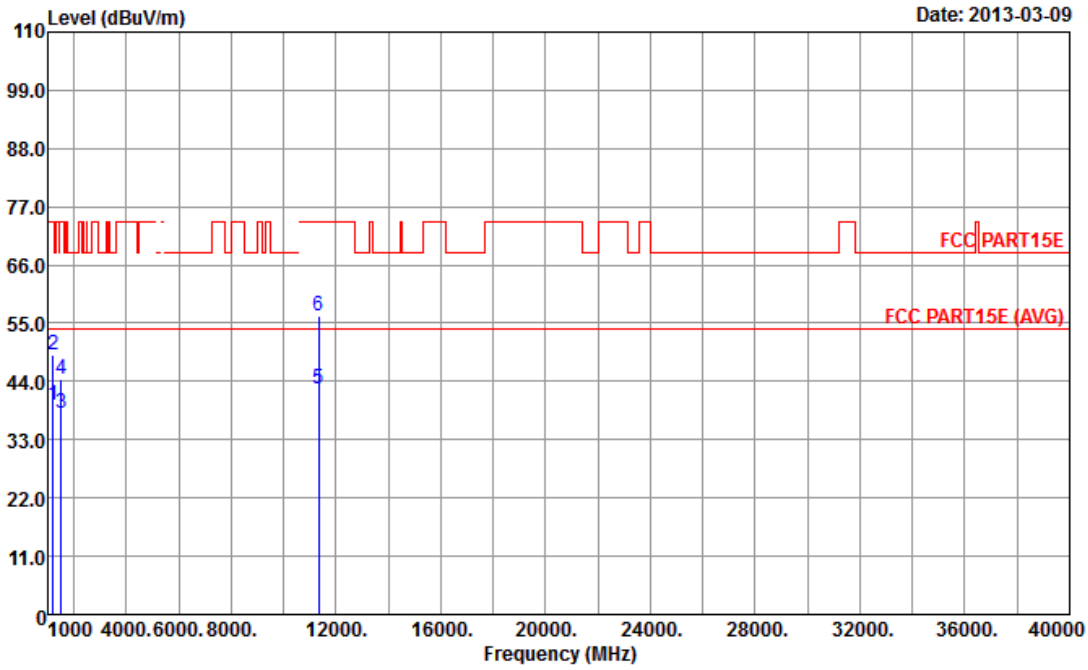
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F6'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.45	-15.55	54.00	45.01	27.94	3.14	37.64	---	---	Average
2	1200.00	47.56	-26.44	74.00	54.12	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.48	-17.52	54.00	41.73	28.00	3.55	36.80	---	---	Average
4	1500.00	47.44	-26.56	74.00	52.69	28.00	3.55	36.80	---	---	Peak
5	11100.00	42.47	-11.53	54.00	29.27	38.10	10.16	35.06	---	---	Average
6	11100.00	55.95	-18.05	74.00	42.75	38.10	10.16	35.06	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

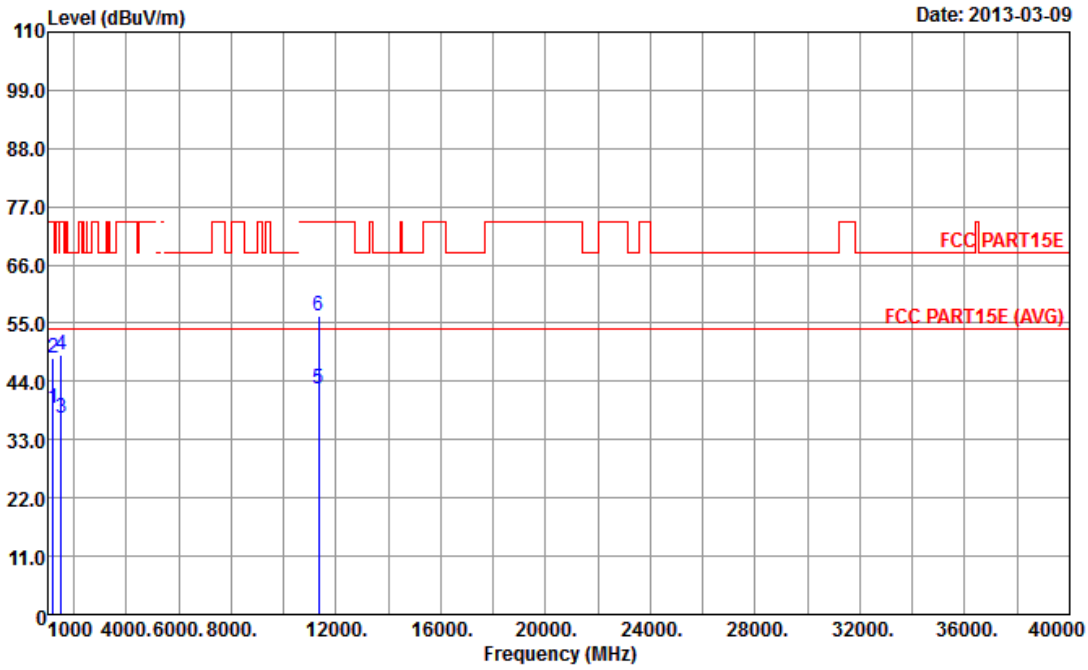
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F7'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.48	-14.52	54.00	46.04	27.94	3.14	37.64	---	---	Average
2	1200.00	48.92	-25.08	74.00	55.48	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.96	-16.04	54.00	43.21	28.00	3.55	36.80	---	---	Average
4	1500.00	44.38	-29.62	74.00	49.63	28.00	3.55	36.80	---	---	Peak
5	11340.00	42.51	-11.49	54.00	28.85	38.34	10.28	34.96	---	---	Average
6	11340.00	56.43	-17.57	74.00	42.77	38.34	10.28	34.96	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (FX)**	F7'
Operating Function	1	**Polarization**	V

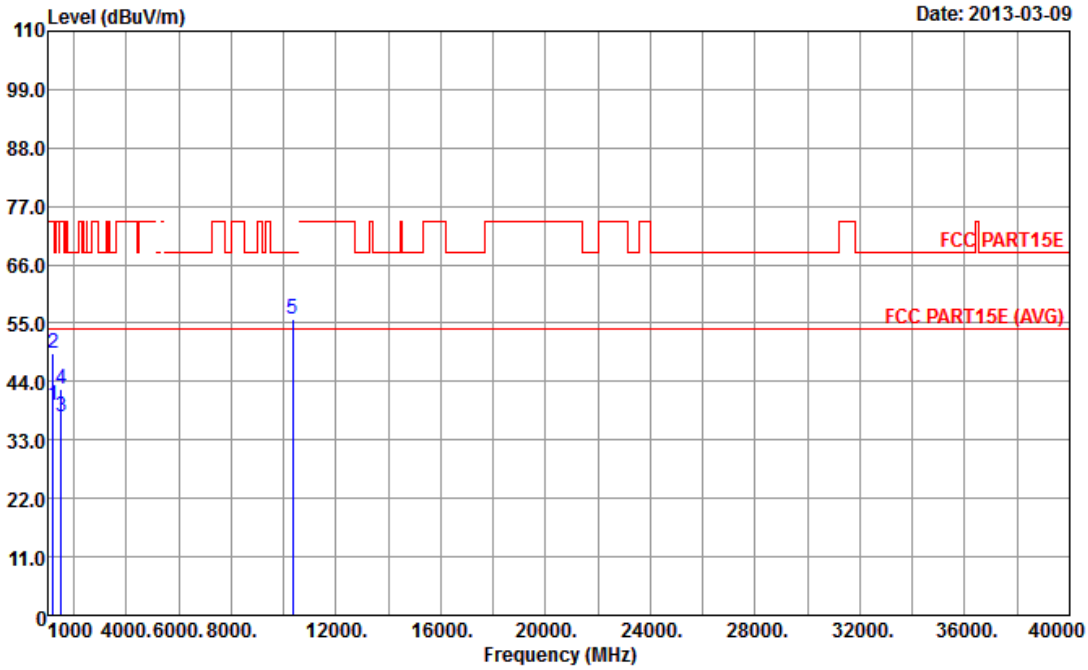


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.85	-15.15	54.00	45.41	27.94	3.14	37.64	---	---	Average
2	1200.00	48.26	-25.74	74.00	54.82	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.97	-17.03	54.00	42.22	28.00	3.55	36.80	---	---	Average
4	1500.00	48.96	-25.04	74.00	54.21	28.00	3.55	36.80	---	---	Peak
5	11340.00	42.49	-11.51	54.00	28.83	38.34	10.28	34.96	---	---	Average
6	11340.00	56.25	-17.75	74.00	42.59	38.34	10.28	34.96	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

3.7.10 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

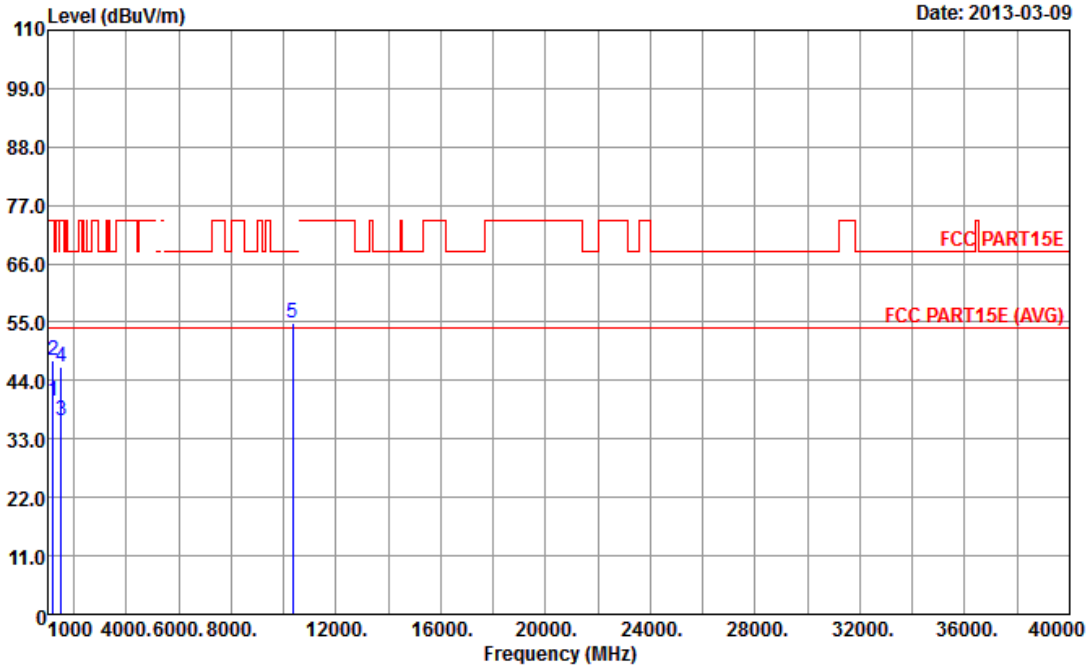
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.58	-14.42	54.00	46.14	27.94	3.14	37.64	---	---	Average
2	1200.00	49.42	-24.58	74.00	55.98	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.49	-16.51	54.00	42.74	28.00	3.55	36.80	---	---	Average
4	1500.00	42.48	-31.52	74.00	47.73	28.00	3.55	36.80	---	---	Peak
5	10360.00	55.76	-12.54	68.30	43.75	37.72	9.73	35.44	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

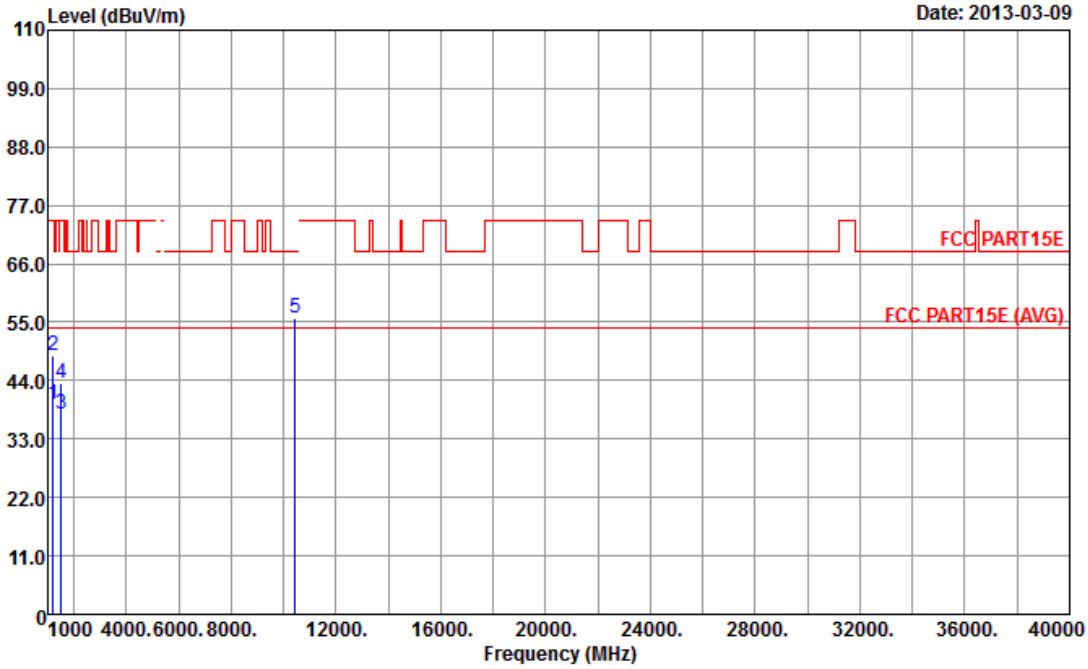
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F1
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.23	-13.77	54.00	46.79	27.94	3.14	37.64	---	---	Average
2	1200.00	47.89	-26.11	74.00	54.45	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.47	-17.53	54.00	41.72	28.00	3.55	36.80	---	---	Average
4	1500.00	46.64	-27.36	74.00	51.89	28.00	3.55	36.80	---	---	Peak
5	10360.00	54.79	-13.51	68.30	42.78	37.72	9.73	35.44	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

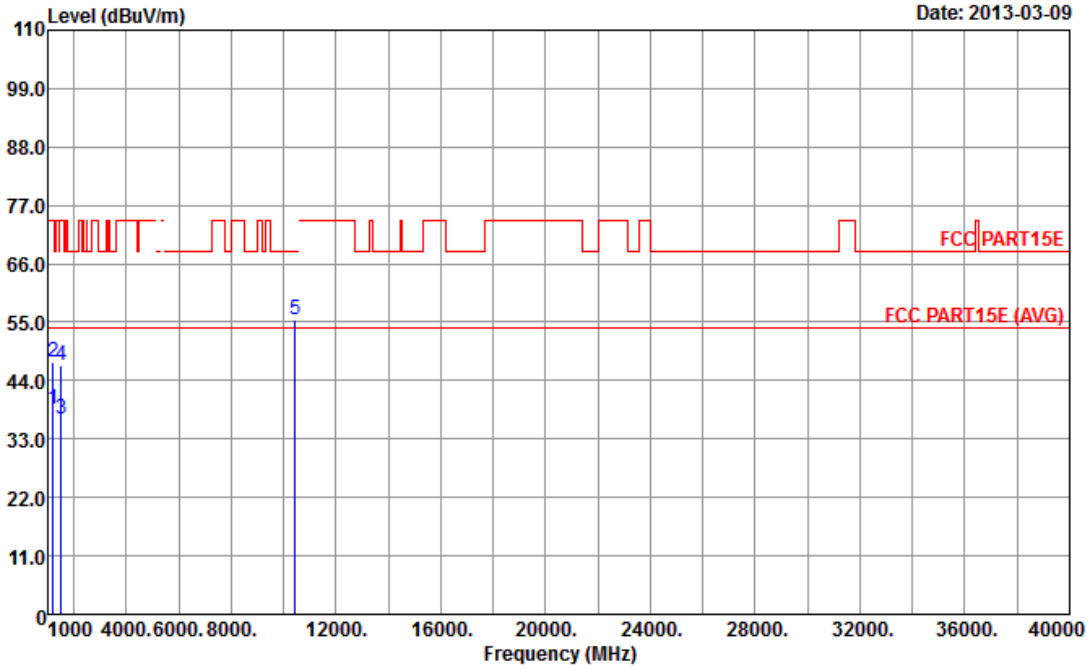
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.62	-14.38	54.00	46.18	27.94	3.14	37.64	---	---	Average
2	1200.00	48.71	-25.29	74.00	55.27	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.67	-16.33	54.00	42.92	28.00	3.55	36.80	---	---	Average
4	1500.00	43.53	-30.47	74.00	48.78	28.00	3.55	36.80	---	---	Peak
5	10440.00	55.63	-12.67	68.30	43.45	37.76	9.78	35.36	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

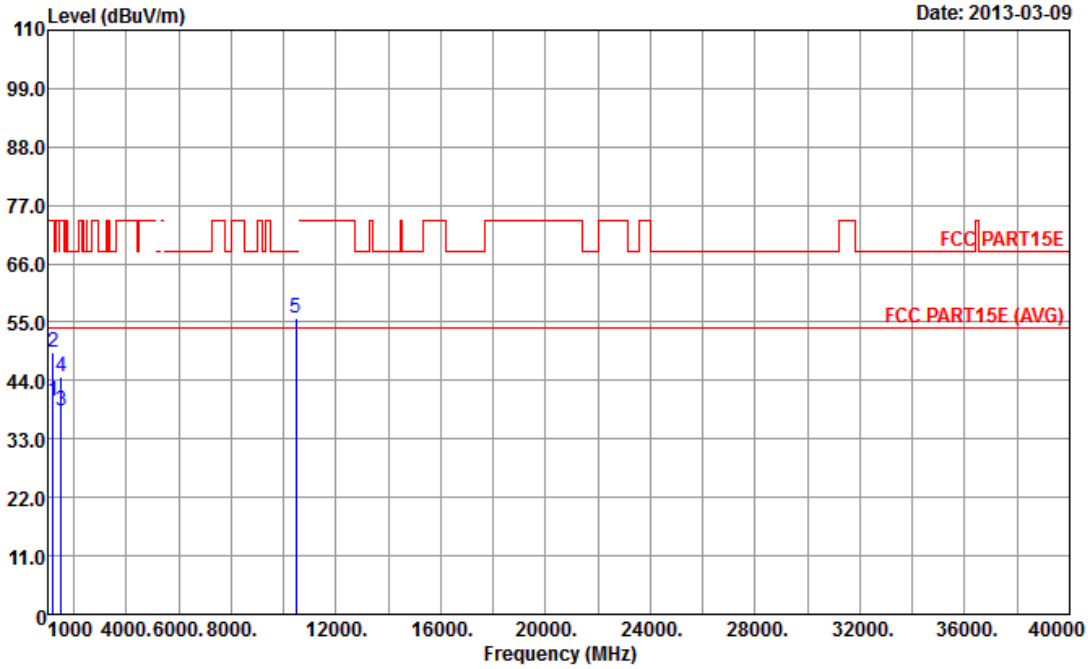
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F2
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.74	-15.26	54.00	45.30	27.94	3.14	37.64	---	---	Average
2	1200.00	47.41	-26.59	74.00	53.97	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.89	-17.11	54.00	42.14	28.00	3.55	36.80	---	---	Average
4	1500.00	46.88	-27.12	74.00	52.13	28.00	3.55	36.80	---	---	Peak
5	10440.00	55.52	-12.78	68.30	43.34	37.76	9.78	35.36	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

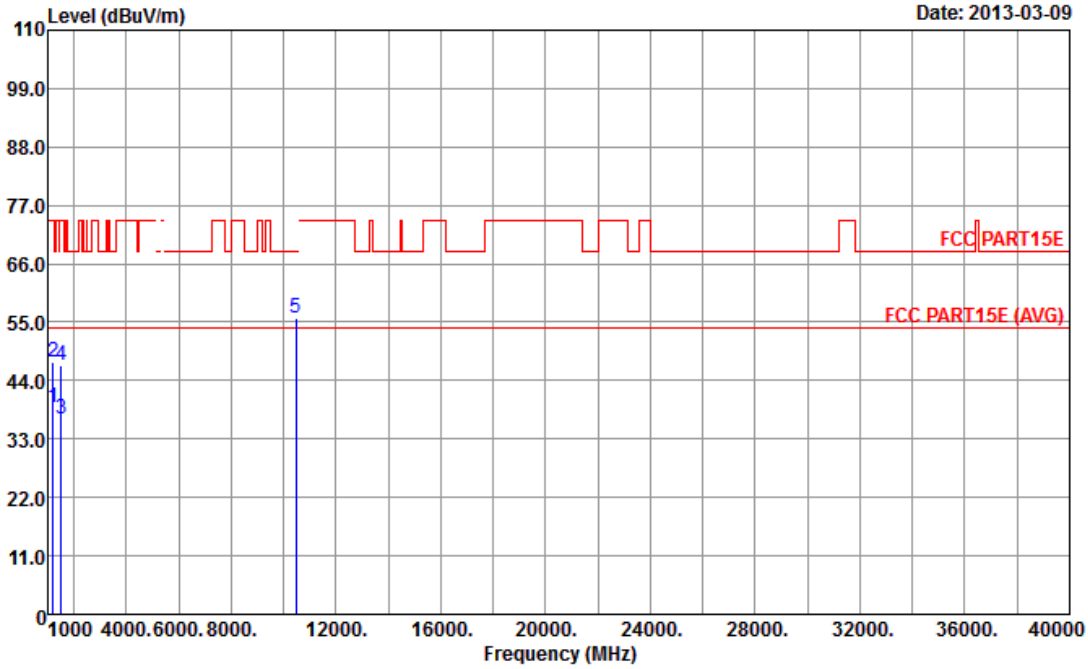
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	40.11	-13.89	54.00	46.67	27.94	3.14	37.64	---	---	Average
2	1200.00	49.36	-24.64	74.00	55.92	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.44	-15.56	54.00	43.69	28.00	3.55	36.80	---	---	Average
4	1500.00	44.68	-29.32	74.00	49.93	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.89	-12.41	68.30	43.62	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

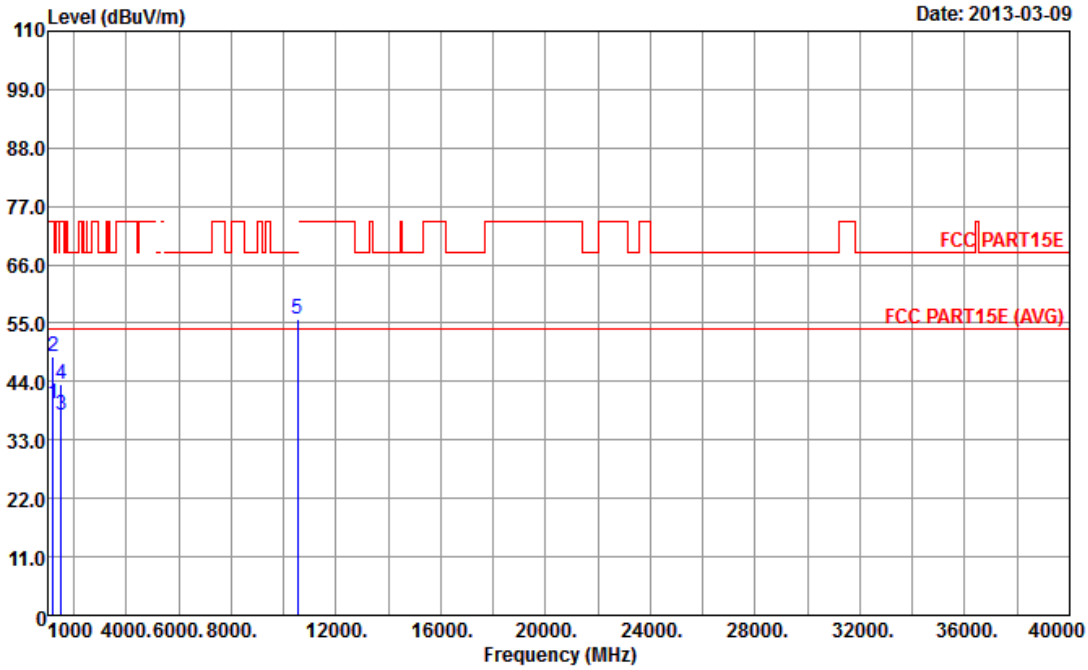
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F3
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.85	-15.15	54.00	45.41	27.94	3.14	37.64	---	---	Average
2	1200.00	47.63	-26.37	74.00	54.19	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.73	-17.27	54.00	41.98	28.00	3.55	36.80	---	---	Average
4	1500.00	46.92	-27.08	74.00	52.17	28.00	3.55	36.80	---	---	Peak
5	10480.00	55.63	-12.67	68.30	43.36	37.79	9.80	35.32	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

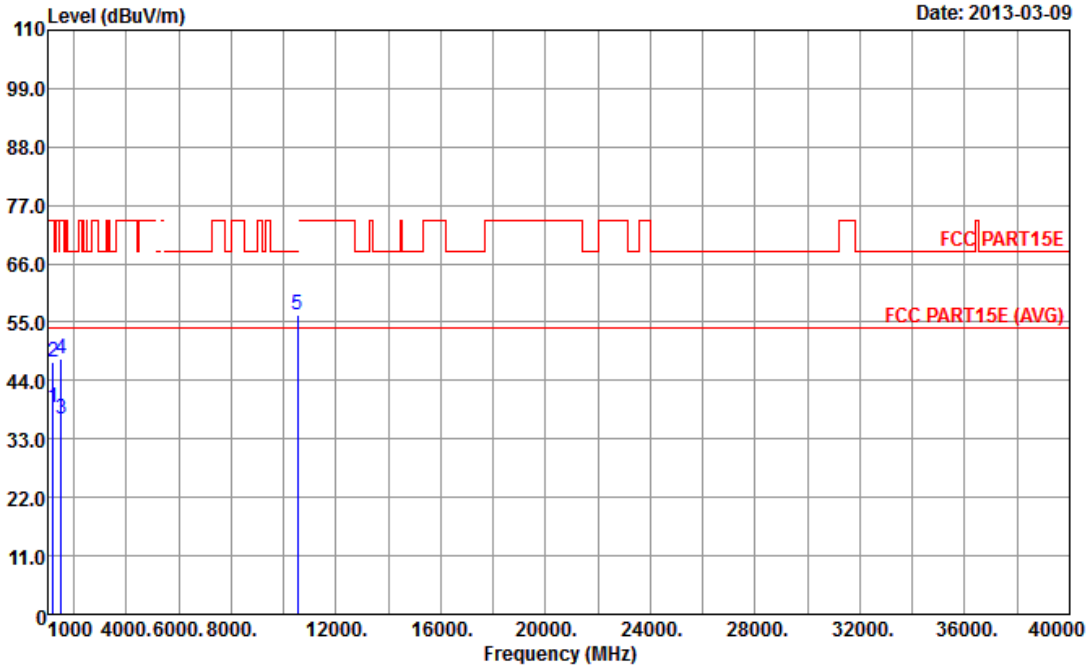
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.69	-14.31	54.00	46.25	27.94	3.14	37.64	---	---	Average
2	1200.00	48.78	-25.22	74.00	55.34	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.63	-16.37	54.00	42.88	28.00	3.55	36.80	---	---	Average
4	1500.00	43.42	-30.58	74.00	48.67	28.00	3.55	36.80	---	---	Peak
5	10520.00	55.86	-12.44	68.30	43.51	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

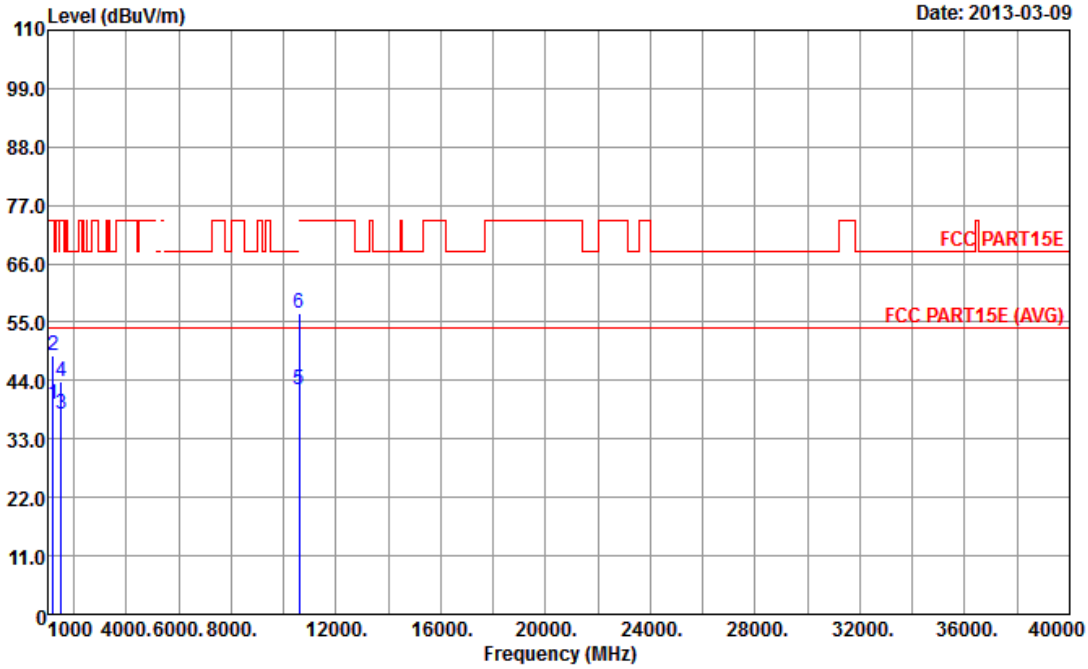
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F4
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.82	-15.18	54.00	45.38	27.94	3.14	37.64	---	---	Average
2	1200.00	47.63	-26.37	74.00	54.19	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.75	-17.25	54.00	42.00	28.00	3.55	36.80	---	---	Average
4	1500.00	47.99	-26.01	74.00	53.24	28.00	3.55	36.80	---	---	Peak
5	10520.00	56.36	-11.94	68.30	44.01	37.81	9.83	35.29	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

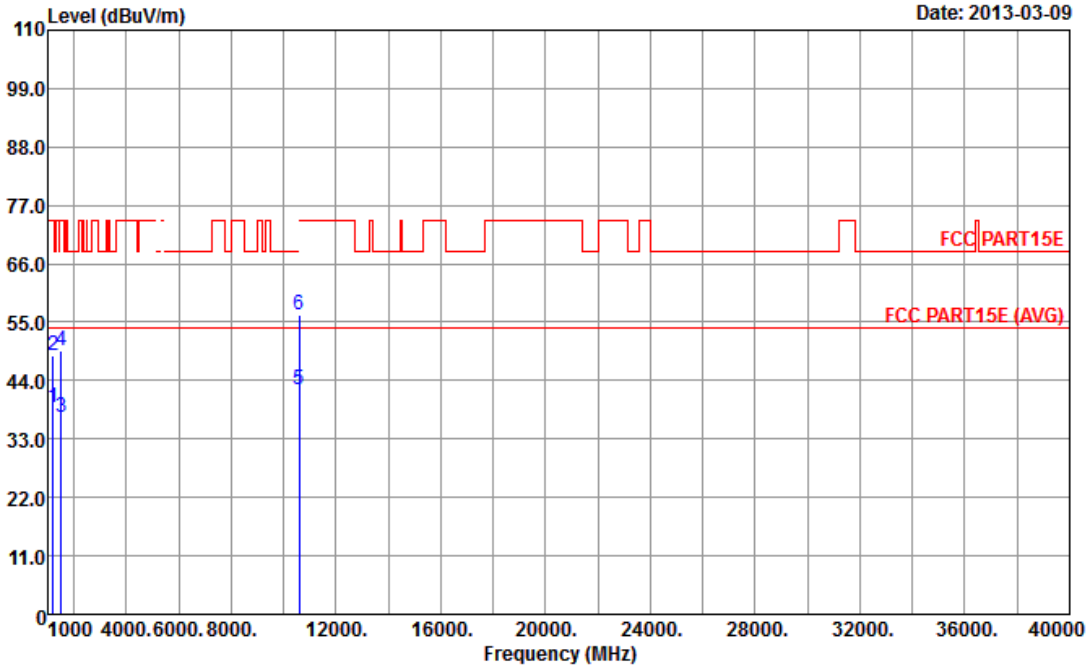
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.63	-14.37	54.00	46.19	27.94	3.14	37.64	---	---	Average
2	1200.00	48.83	-25.17	74.00	55.39	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.69	-16.31	54.00	42.94	28.00	3.55	36.80	---	---	Average
4	1500.00	43.88	-30.12	74.00	49.13	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.35	-11.65	54.00	29.90	37.84	9.87	35.26	---	---	Average
6	10600.00	56.63	-17.37	74.00	44.18	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

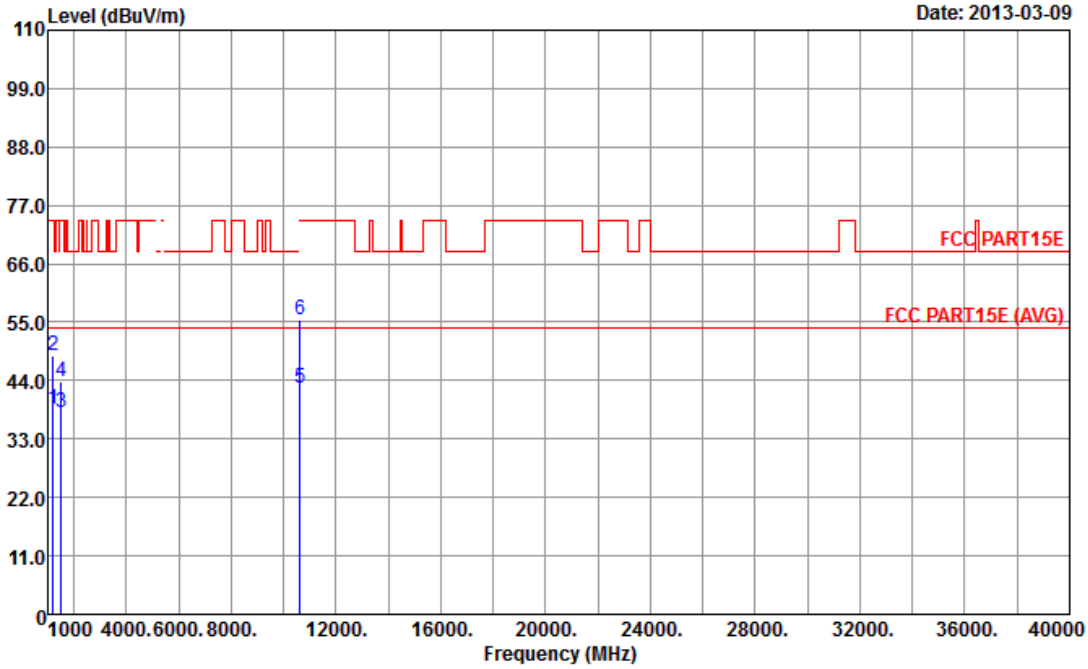
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F5
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.81	-15.19	54.00	45.37	27.94	3.14	37.64	---	---	Average
2	1200.00	48.64	-25.36	74.00	55.20	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.98	-17.02	54.00	42.23	28.00	3.55	36.80	---	---	Average
4	1500.00	49.55	-24.45	74.00	54.80	28.00	3.55	36.80	---	---	Peak
5	10600.00	42.38	-11.62	54.00	29.93	37.84	9.87	35.26	---	---	Average
6	10600.00	56.28	-17.72	74.00	43.83	37.84	9.87	35.26	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

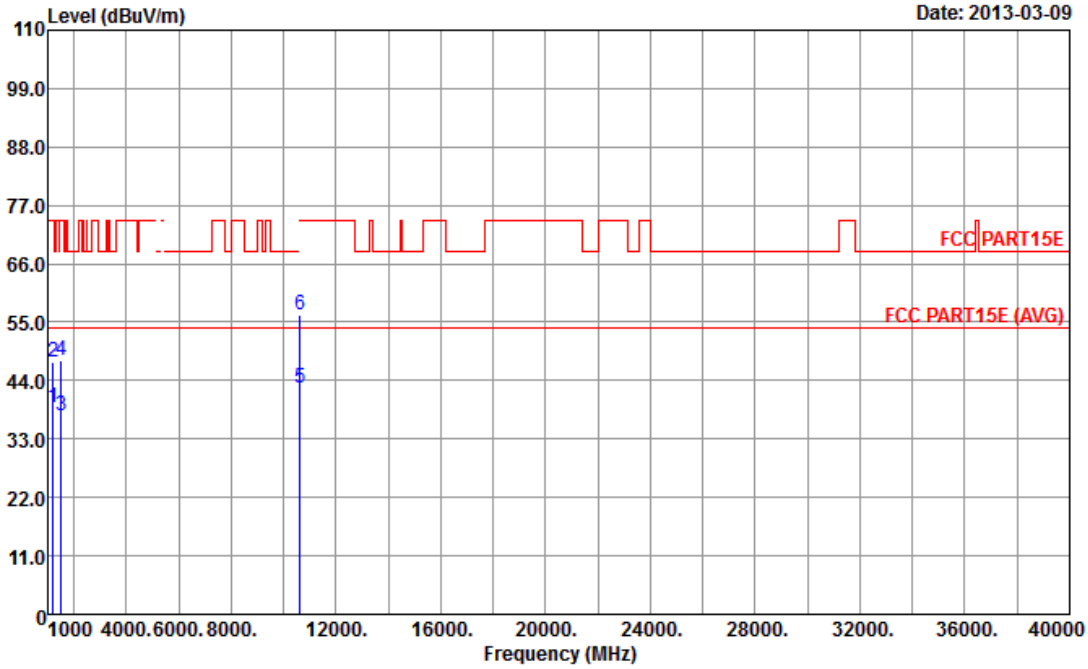
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.61	-15.39	54.00	45.17	27.94	3.14	37.64	---	---	Average
2	1200.00	48.76	-25.24	74.00	55.32	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.96	-16.04	54.00	43.21	28.00	3.55	36.80	---	---	Average
4	1500.00	43.77	-30.23	74.00	49.02	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.45	-11.55	54.00	29.93	37.86	9.90	35.24	---	---	Average
6	10640.00	55.41	-18.59	74.00	42.89	37.86	9.90	35.24	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

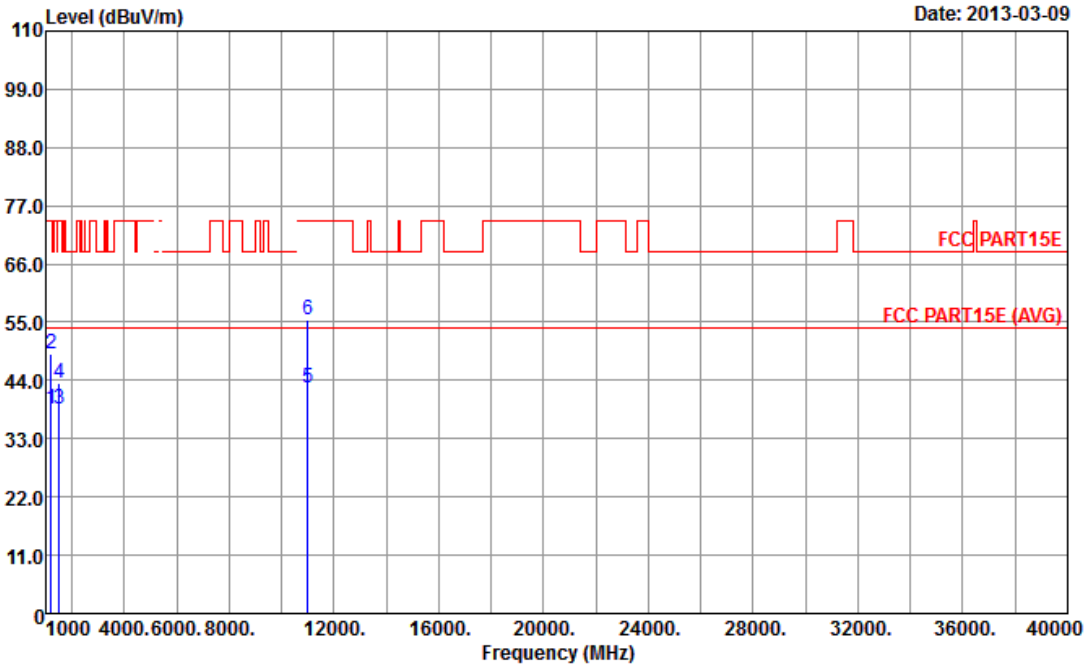
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F6
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.81	-15.19	54.00	45.37	27.94	3.14	37.64	---	---	Average
2	1200.00	47.52	-26.48	74.00	54.08	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.52	-16.48	54.00	42.77	28.00	3.55	36.80	---	---	Average
4	1500.00	47.66	-26.34	74.00	52.91	28.00	3.55	36.80	---	---	Peak
5	10640.00	42.48	-11.52	54.00	29.96	37.86	9.90	35.24	---	---	Average
6	10640.00	56.29	-17.71	74.00	43.77	37.86	9.90	35.24	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

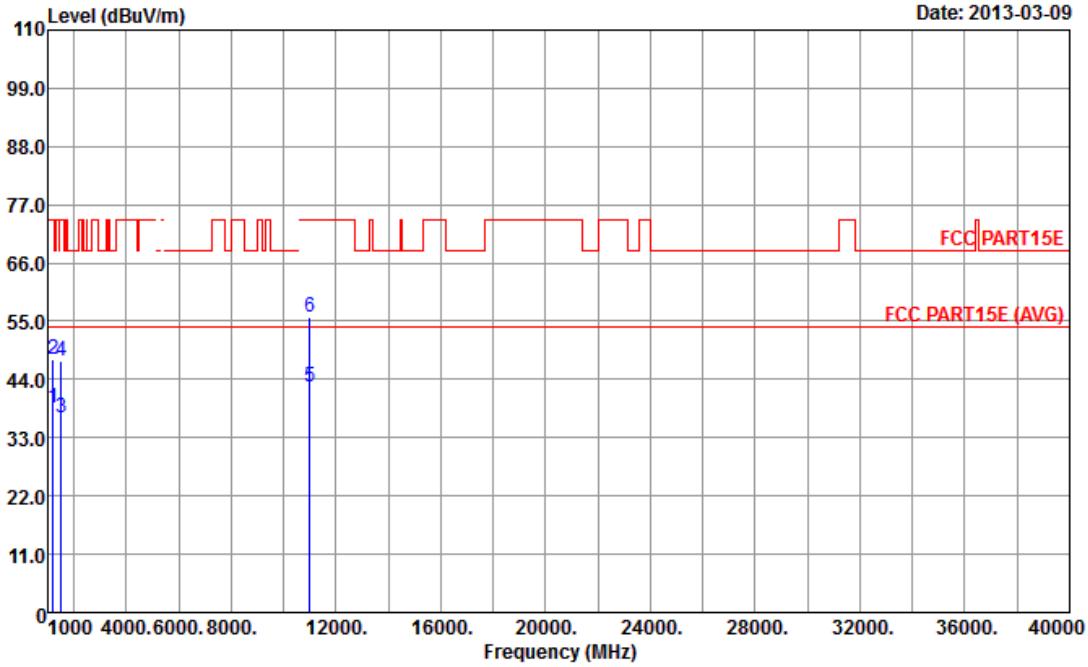
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.56	-15.44	54.00	45.12	27.94	3.14	37.64	---	---	Average
2	1200.00	48.96	-25.04	74.00	55.52	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.47	-15.53	54.00	43.72	28.00	3.55	36.80	---	---	Average
4	1500.00	43.62	-30.38	74.00	48.87	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.73	-11.27	54.00	29.72	38.00	10.11	35.10	---	---	Average
6	11000.00	55.42	-18.58	74.00	42.41	38.00	10.11	35.10	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

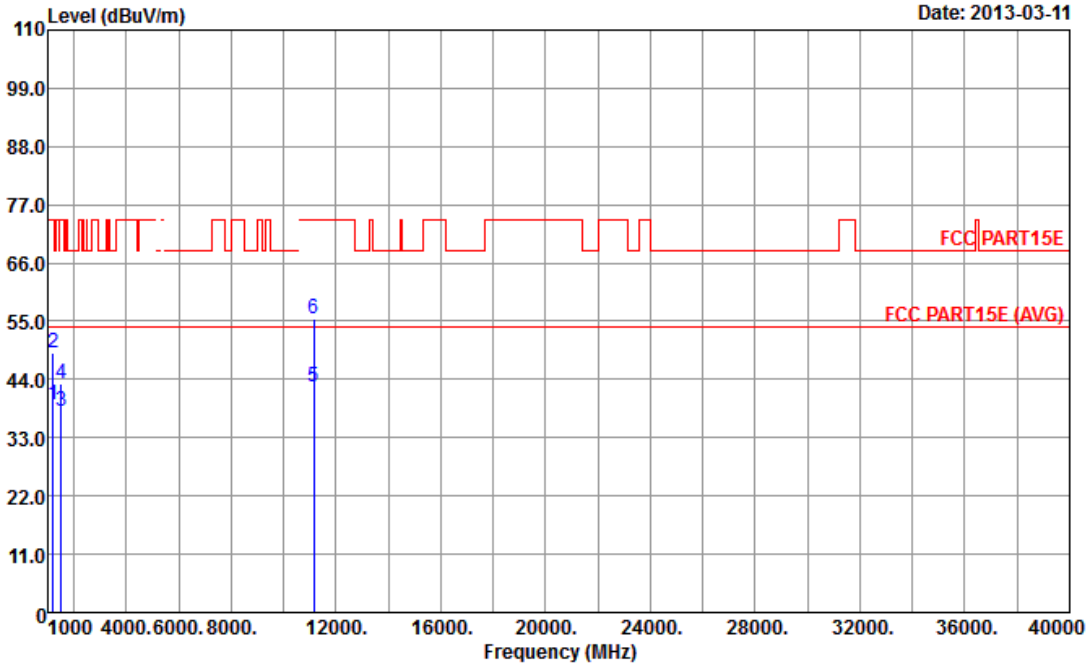
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F7
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.53	-15.47	54.00	45.09	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.83	-17.17	54.00	42.08	28.00	3.55	36.80	---	---	Average
4	1500.00	47.51	-26.49	74.00	52.76	28.00	3.55	36.80	---	---	Peak
5	11000.00	42.64	-11.36	54.00	29.63	38.00	10.11	35.10	---	---	Average
6	11000.00	55.63	-18.37	74.00	42.62	38.00	10.11	35.10	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

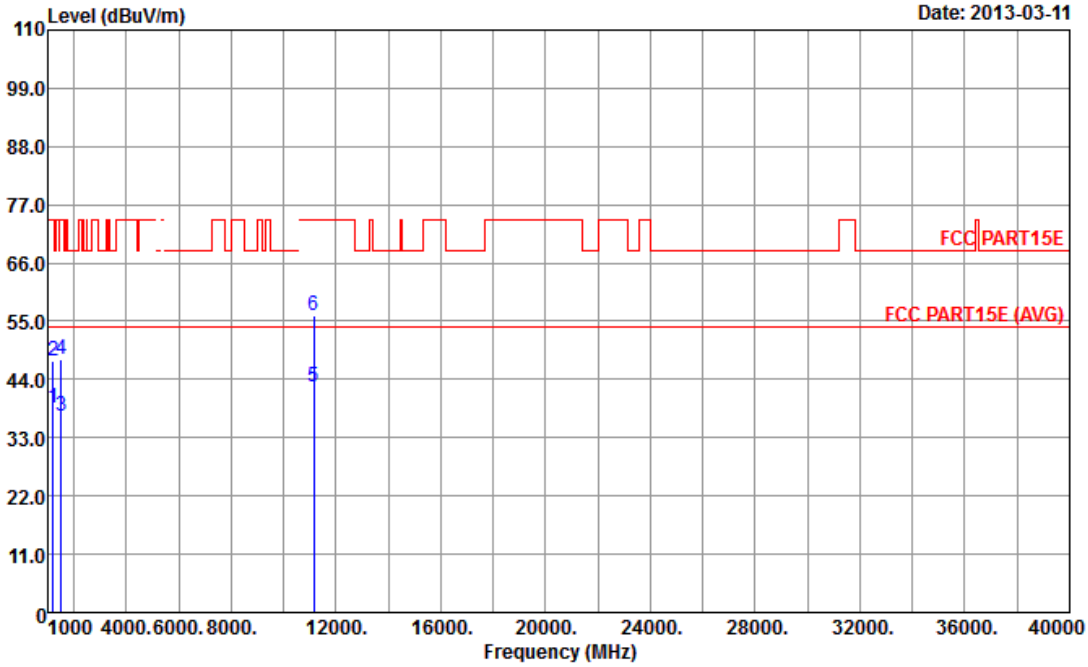
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.24	-14.76	54.00	45.80	27.94	3.14	37.64	---	---	Average
2	1200.00	49.15	-24.85	74.00	55.71	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.91	-16.09	54.00	43.16	28.00	3.55	36.80	---	---	Average
4	1500.00	43.25	-30.75	74.00	48.50	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.44	-11.56	54.00	29.13	38.16	10.19	35.04	---	---	Average
6	11160.00	55.47	-18.53	74.00	42.16	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

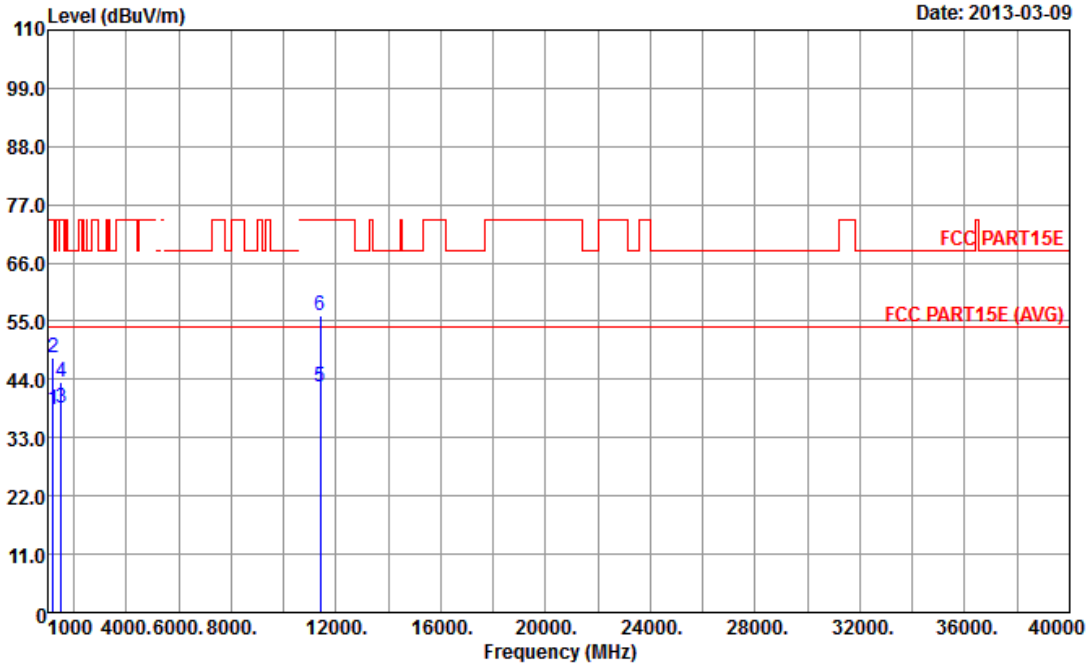
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F8
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.73	-15.27	54.00	45.29	27.94	3.14	37.64	---	---	Average
2	1200.00	47.44	-26.56	74.00	54.00	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.96	-17.04	54.00	42.21	28.00	3.55	36.80	---	---	Average
4	1500.00	47.83	-26.17	74.00	53.08	28.00	3.55	36.80	---	---	Peak
5	11160.00	42.55	-11.45	54.00	29.24	38.16	10.19	35.04	---	---	Average
6	11160.00	55.93	-18.07	74.00	42.62	38.16	10.19	35.04	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

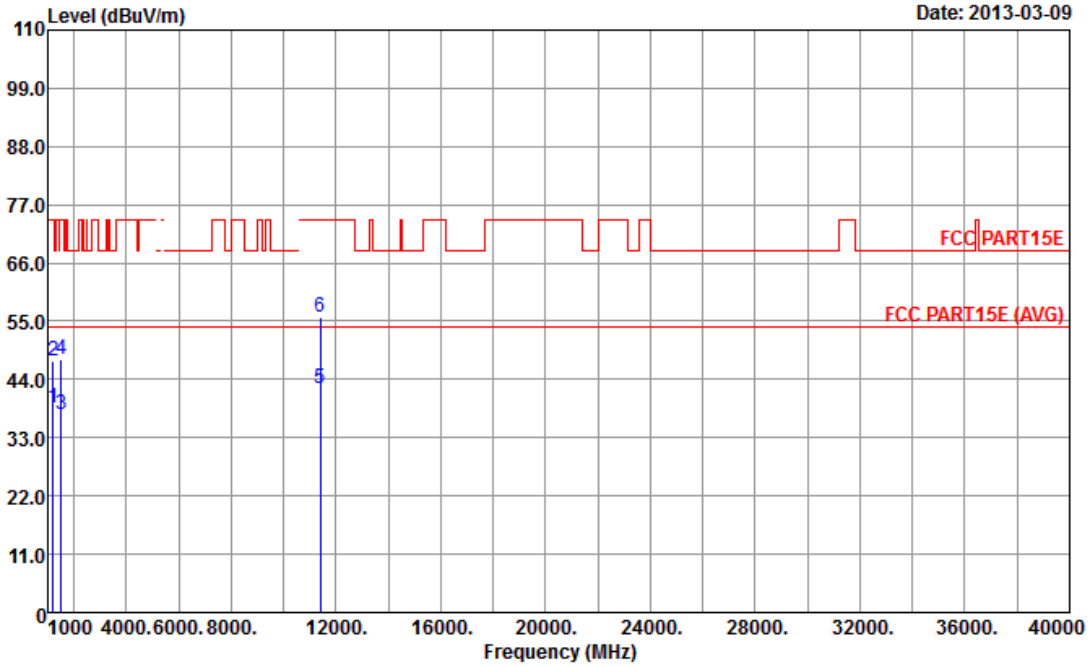
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.45	-15.55	54.00	45.01	27.94	3.14	37.64	---	---	Average
2	1200.00	48.21	-25.79	74.00	54.77	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.64	-15.36	54.00	43.89	28.00	3.55	36.80	---	---	Average
4	1500.00	43.56	-30.44	74.00	48.81	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.52	-11.48	54.00	28.75	38.40	10.31	34.94	---	---	Average
6	11400.00	56.10	-17.90	74.00	42.33	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (FX)**	F9
Operating Function	1	**Polarization**	V

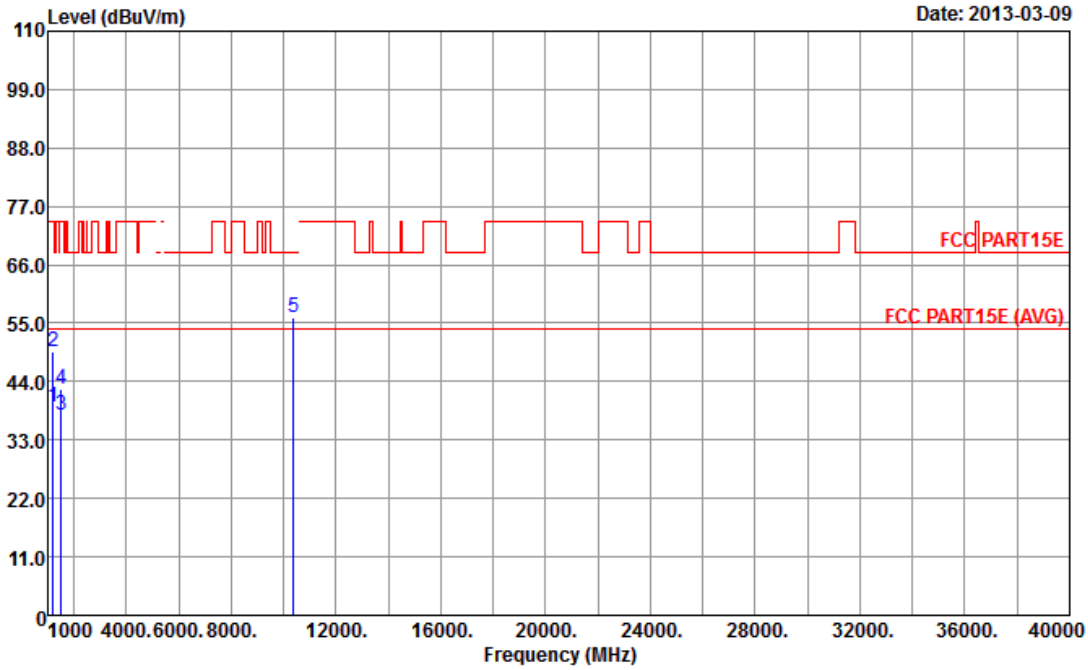


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.75	-15.25	54.00	45.31	27.94	3.14	37.64	---	---	Average
2	1200.00	47.51	-26.49	74.00	54.07	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.25	-16.75	54.00	42.50	28.00	3.55	36.80	---	---	Average
4	1500.00	47.66	-26.34	74.00	52.91	28.00	3.55	36.80	---	---	Peak
5	11400.00	42.38	-11.62	54.00	28.61	38.40	10.31	34.94	---	---	Average
6	11400.00	55.89	-18.11	74.00	42.12	38.40	10.31	34.94	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

3.7.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

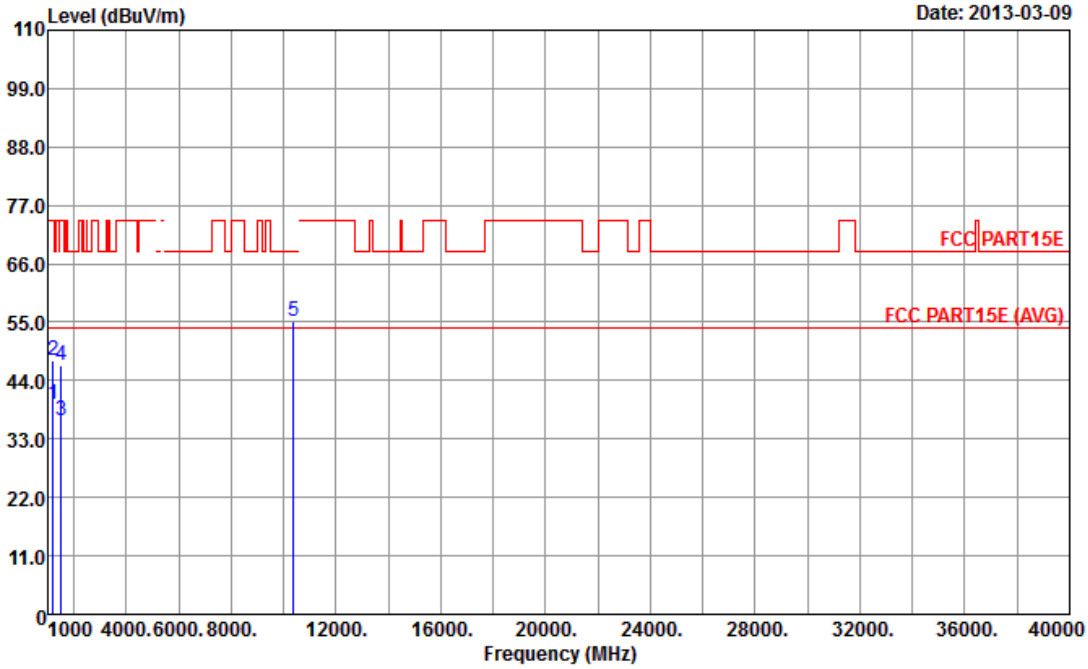
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F1'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.10	-14.90	54.00	45.66	27.94	3.14	37.64	---	---	Average
2	1200.00	49.58	-24.42	74.00	56.14	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.62	-16.38	54.00	42.87	28.00	3.55	36.80	---	---	Average
4	1500.00	42.73	-31.27	74.00	47.98	28.00	3.55	36.80	---	---	Peak
5	10380.00	55.98	-12.32	68.30	43.93	37.73	9.74	35.42	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

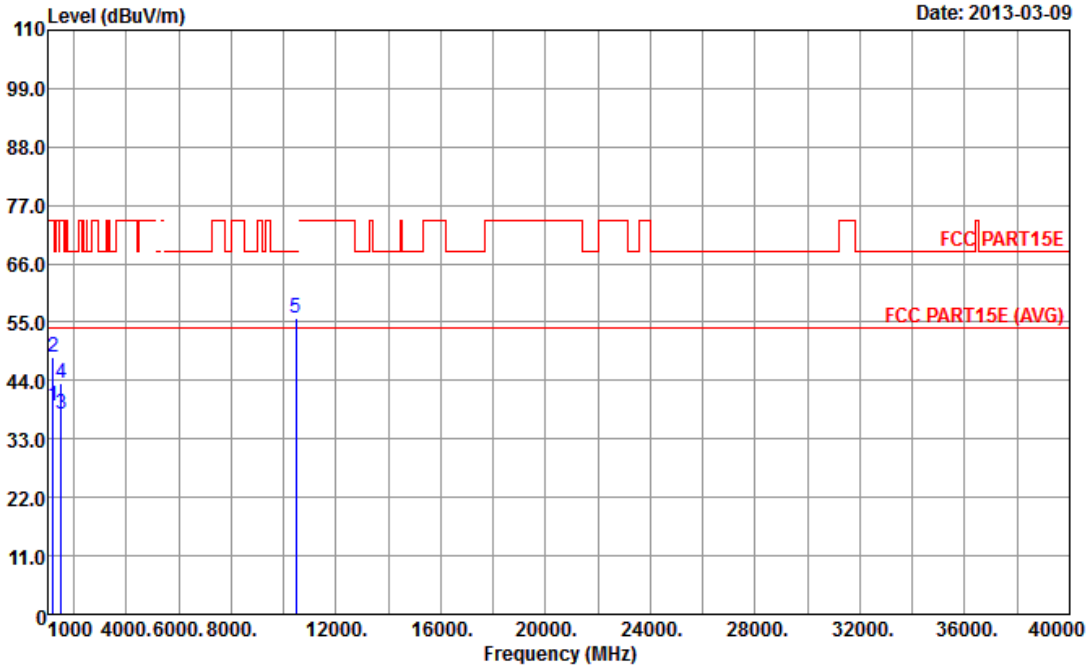
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F1'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.45	-14.55	54.00	46.01	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.56	-17.44	54.00	41.81	28.00	3.55	36.80	---	---	Average
4	1500.00	46.78	-27.22	74.00	52.03	28.00	3.55	36.80	---	---	Peak
5	10380.00	55.26	-13.04	68.30	43.21	37.73	9.74	35.42	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

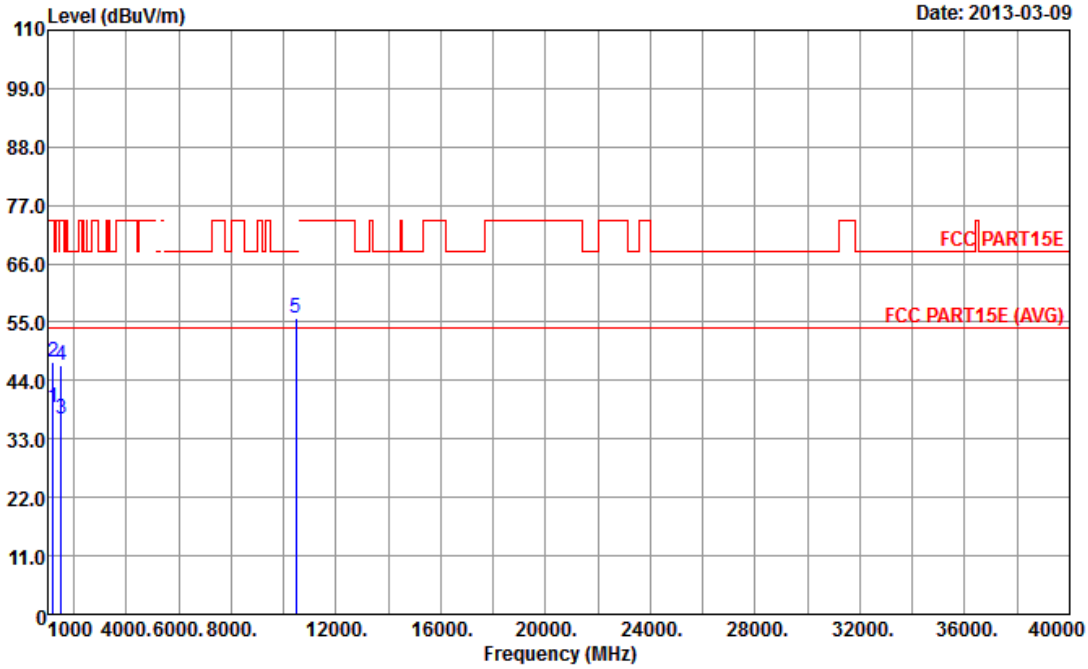
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F2'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.24	-14.76	54.00	45.80	27.94	3.14	37.64	---	---	Average
2	1200.00	48.35	-25.65	74.00	54.91	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.68	-16.32	54.00	42.93	28.00	3.55	36.80	---	---	Average
4	1500.00	43.45	-30.55	74.00	48.70	28.00	3.55	36.80	---	---	Peak
5	10460.00	55.85	-12.45	68.30	43.62	37.78	9.79	35.34	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

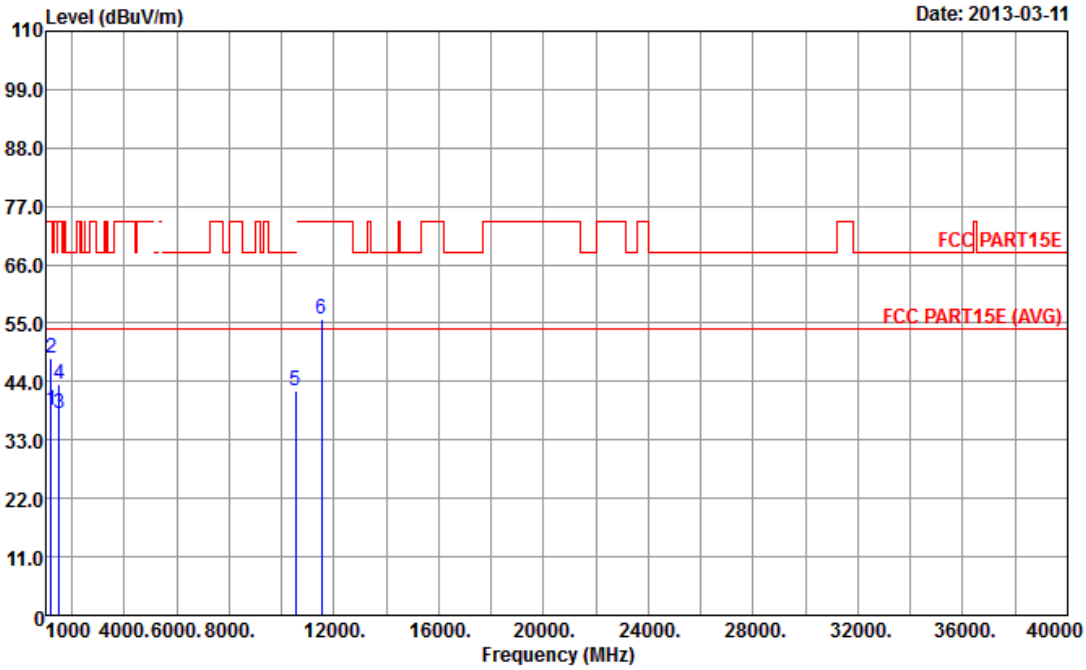
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F2'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.96	-15.04	54.00	45.52	27.94	3.14	37.64	---	---	Average
2	1200.00	47.49	-26.51	74.00	54.05	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.87	-17.13	54.00	42.12	28.00	3.55	36.80	---	---	Average
4	1500.00	46.92	-27.08	74.00	52.17	28.00	3.55	36.80	---	---	Peak
5	10460.00	55.76	-12.54	68.30	43.53	37.78	9.79	35.34	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

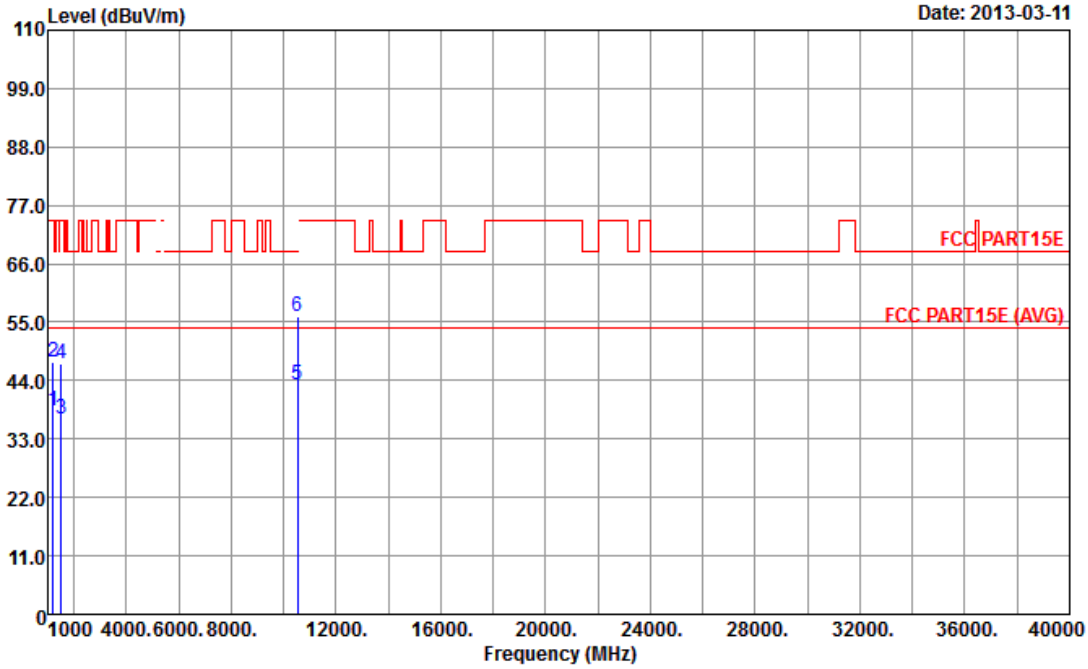
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F3'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.55	-15.45	54.00	45.11	27.94	3.14	37.64	---	---	Average
2	1200.00	48.56	-25.44	74.00	55.12	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.11	-15.89	54.00	43.36	28.00	3.55	36.80	---	---	Average
4	1500.00	43.52	-30.48	74.00	48.77	28.00	3.55	36.80	---	---	Peak
5	10540.00	42.21	-11.79	54.00	29.83	37.82	9.84	35.28	---	---	Average
6	11540.00	55.64	-18.36	74.00	41.64	38.53	10.37	34.90	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

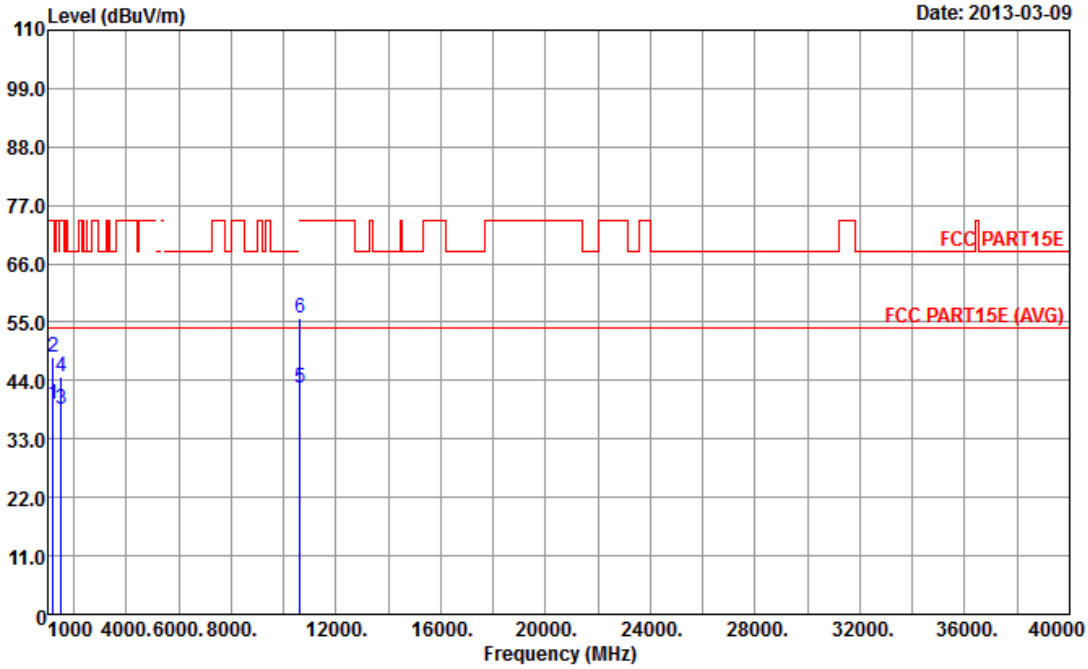
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F3'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.41	-15.59	54.00	44.97	27.94	3.14	37.64	---	---	Average
2	1200.00	47.55	-26.45	74.00	54.11	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.71	-17.29	54.00	41.96	28.00	3.55	36.80	---	---	Average
4	1500.00	47.21	-26.79	74.00	52.46	28.00	3.55	36.80	---	---	Peak
5	10540.00	43.21	-10.79	54.00	30.83	37.82	9.84	35.28	---	---	Average
6	10540.00	55.92	-12.38	68.30	43.54	37.82	9.84	35.28	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

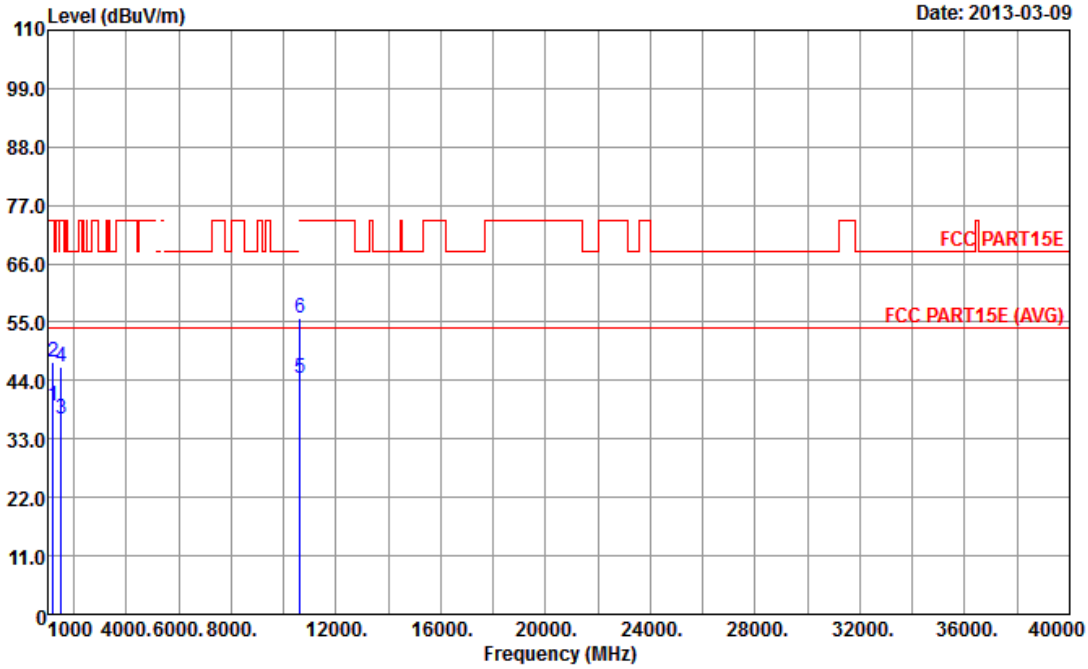
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F4'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.64	-14.36	54.00	46.20	27.94	3.14	37.64	---	---	Average
2	1200.00	48.46	-25.54	74.00	55.02	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.70	-15.30	54.00	43.95	28.00	3.55	36.80	---	---	Average
4	1500.00	44.85	-29.15	74.00	50.10	28.00	3.55	36.80	---	---	Peak
5	10620.00	42.63	-11.37	54.00	30.14	37.85	9.89	35.25	---	---	Average
6	10620.00	55.83	-18.17	74.00	43.34	37.85	9.89	35.25	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

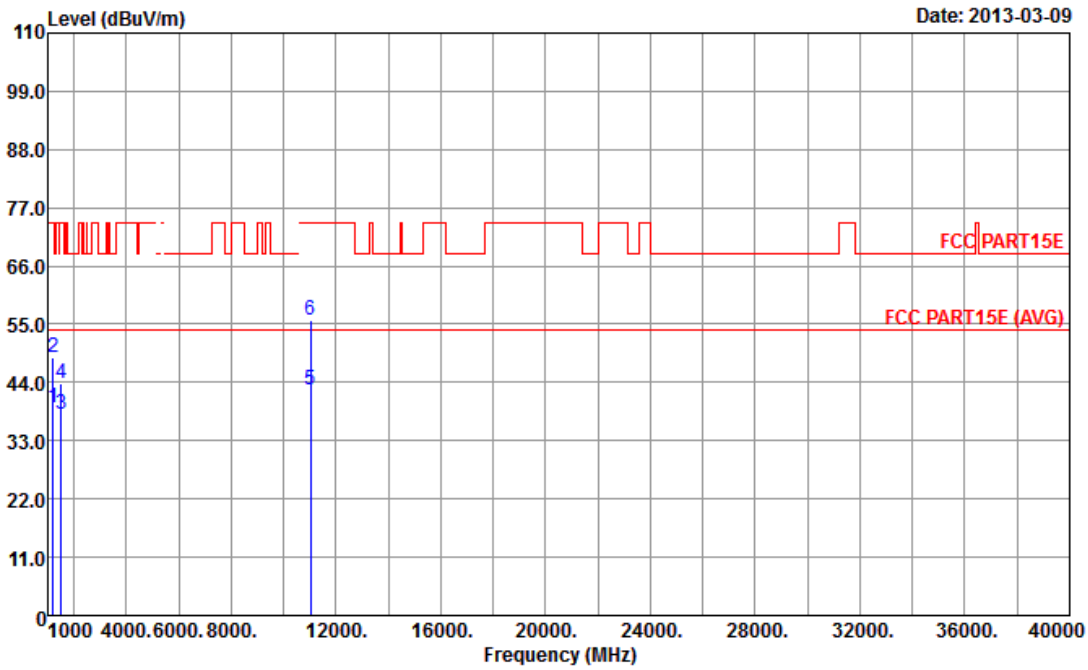
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F4'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.21	-14.79	54.00	45.77	27.94	3.14	37.64	---	---	Average
2	1200.00	47.62	-26.38	74.00	54.18	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.77	-17.23	54.00	42.02	28.00	3.55	36.80	---	---	Average
4	1500.00	46.45	-27.55	74.00	51.70	28.00	3.55	36.80	---	---	Peak
5	10620.00	44.38	-9.62	54.00	31.89	37.85	9.89	35.25	---	---	Average
6	10620.00	55.71	-18.29	74.00	43.22	37.85	9.89	35.25	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

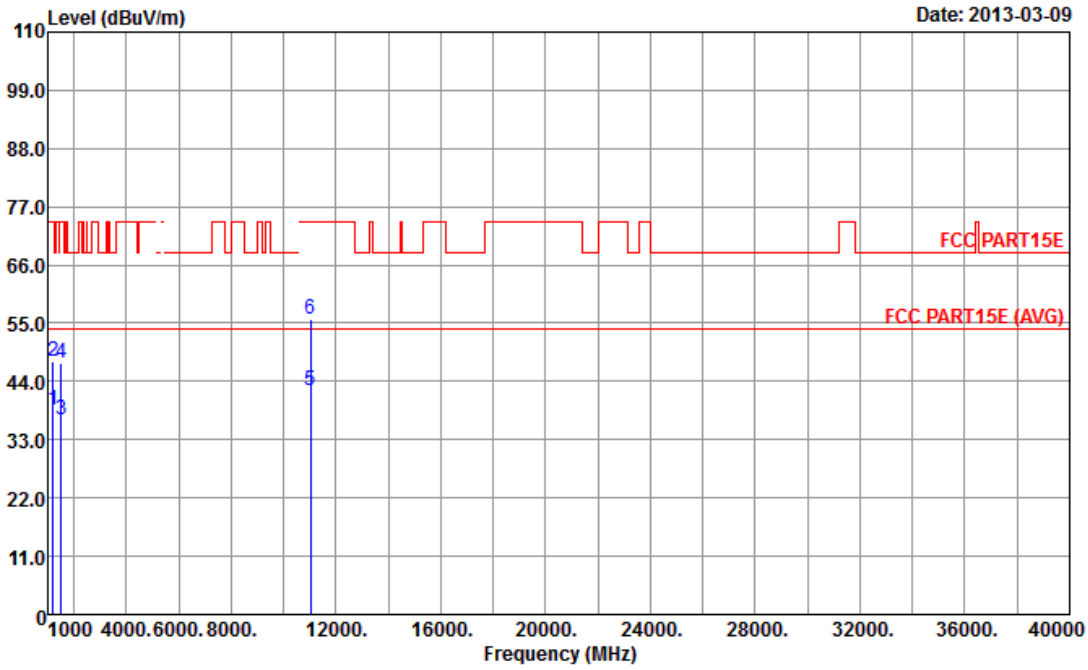
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F5'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.24	-14.76	54.00	45.80	27.94	3.14	37.64	---	---	Average
2	1200.00	48.68	-25.32	74.00	55.24	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.89	-16.11	54.00	43.14	28.00	3.55	36.80	---	---	Average
4	1500.00	43.86	-30.14	74.00	49.11	28.00	3.55	36.80	---	---	Peak
5	11020.00	42.68	-11.32	54.00	29.63	38.02	10.12	35.09	---	---	Average
6	11020.00	55.72	-18.28	74.00	42.67	38.02	10.12	35.09	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

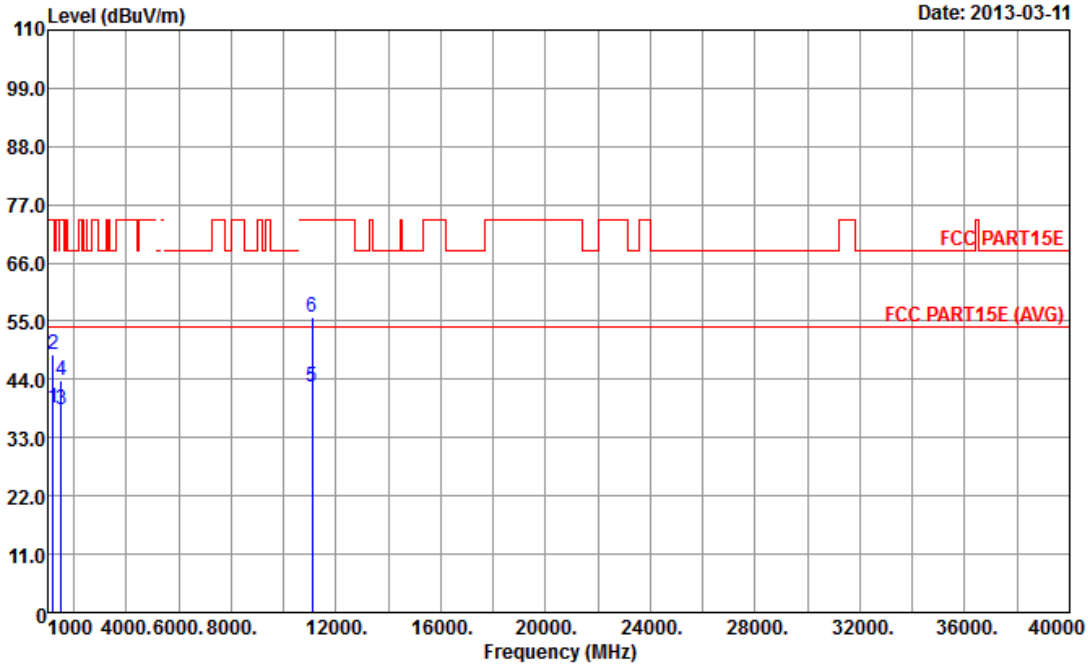
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F5'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.47	-15.53	54.00	45.03	27.94	3.14	37.64	---	---	Average
2	1200.00	47.68	-26.32	74.00	54.24	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.92	-17.08	54.00	42.17	28.00	3.55	36.80	---	---	Average
4	1500.00	47.55	-26.45	74.00	52.80	28.00	3.55	36.80	---	---	Peak
5	11020.00	42.38	-11.62	54.00	29.33	38.02	10.12	35.09	---	---	Average
6	11020.00	55.64	-18.36	74.00	42.59	38.02	10.12	35.09	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

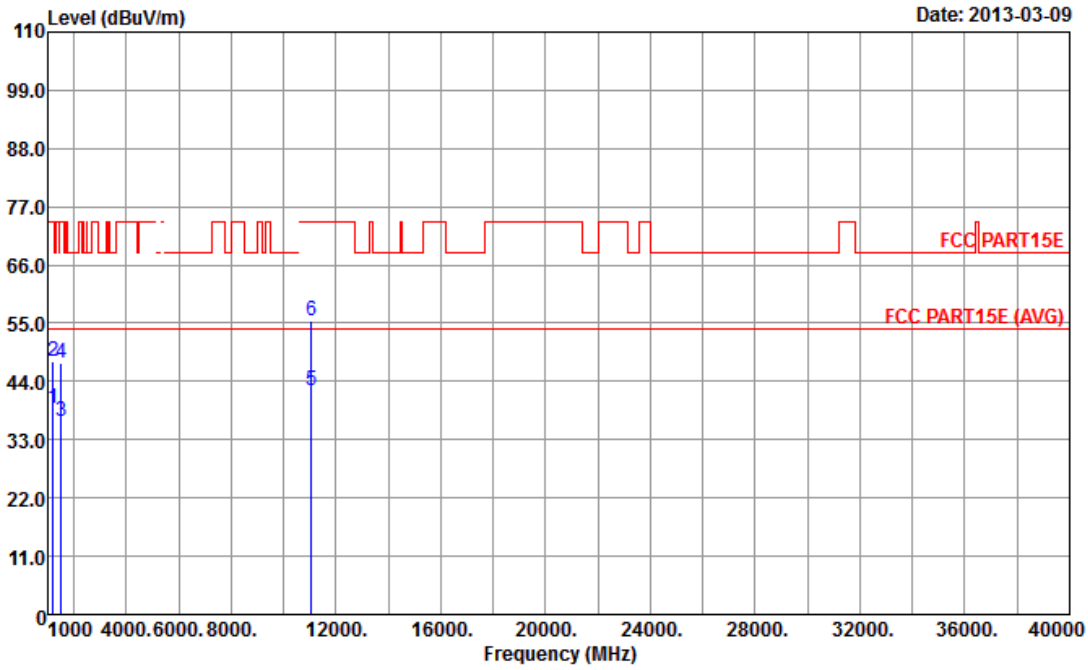
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F6'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.65	-15.35	54.00	45.21	27.94	3.14	37.64	---	---	Average
2	1200.00	48.71	-25.29	74.00	55.27	27.94	3.14	37.64	---	---	Peak
3	1500.00	38.44	-15.56	54.00	43.69	28.00	3.55	36.80	---	---	Average
4	1500.00	43.91	-30.09	74.00	49.16	28.00	3.55	36.80	---	---	Peak
5	11100.00	42.74	-11.26	54.00	29.54	38.10	10.16	35.06	---	---	Average
6	11100.00	55.63	-18.37	74.00	42.43	38.10	10.16	35.06	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

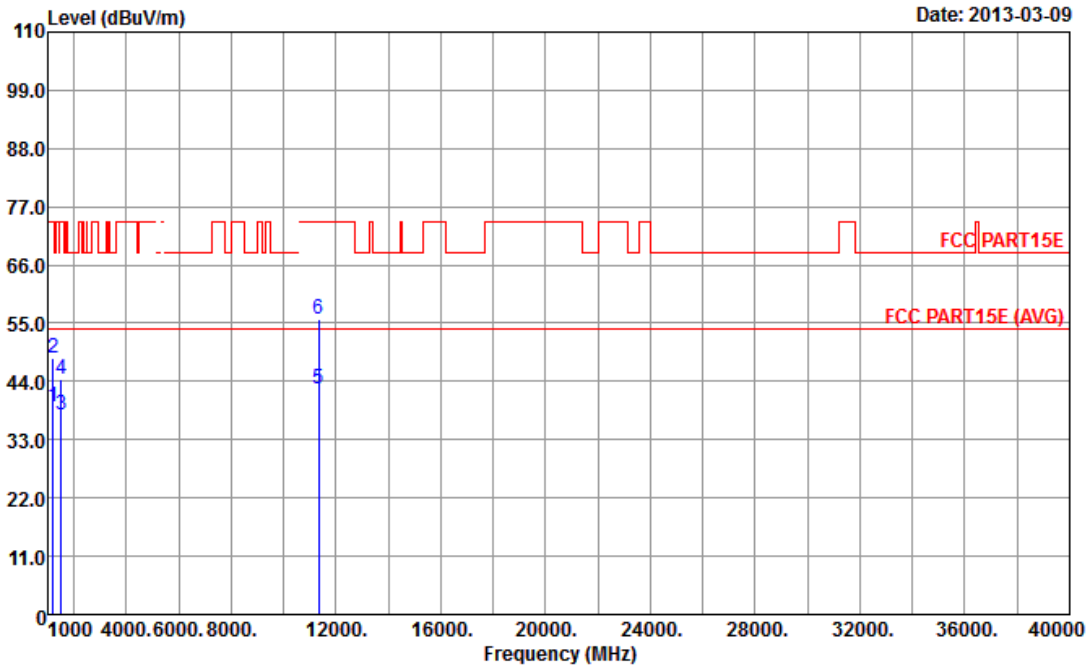
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F6'
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.91	-15.09	54.00	45.47	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.48	-17.52	54.00	41.73	28.00	3.55	36.80	---	---	Average
4	1500.00	47.64	-26.36	74.00	52.89	28.00	3.55	36.80	---	---	Peak
5	11060.00	42.35	-11.65	54.00	29.23	38.06	10.14	35.08	---	---	Average
6	11060.00	55.49	-18.51	74.00	42.37	38.06	10.14	35.08	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

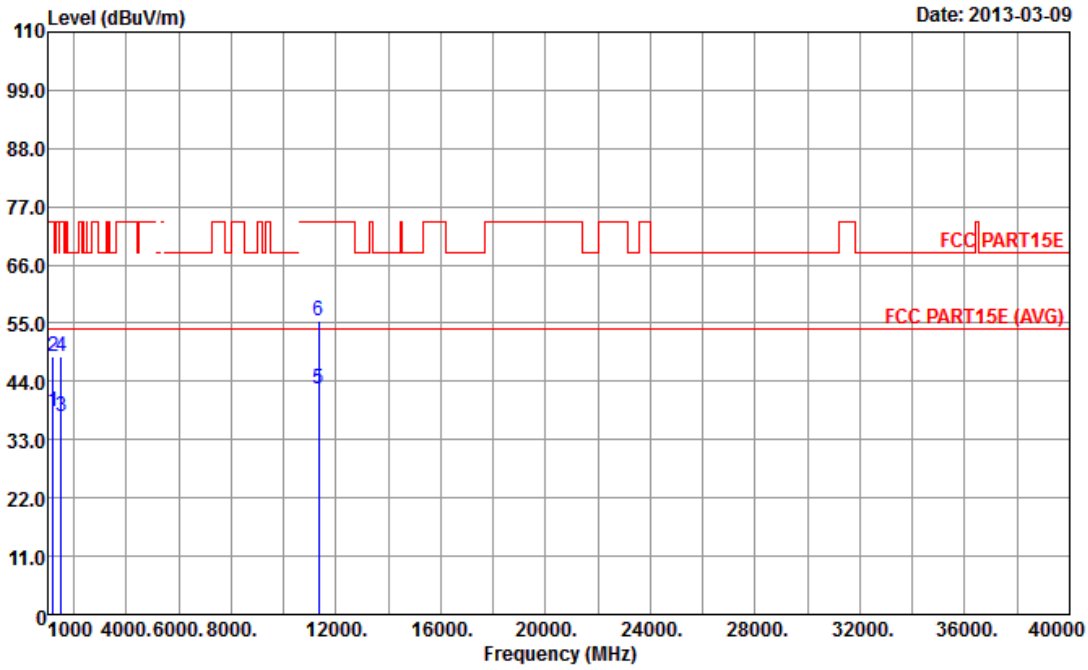
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F7'
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	39.21	-14.79	54.00	45.77	27.94	3.14	37.64	---	---	Average
2	1200.00	48.47	-25.53	74.00	55.03	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.65	-16.35	54.00	42.90	28.00	3.55	36.80	---	---	Average
4	1500.00	44.53	-29.47	74.00	49.78	28.00	3.55	36.80	---	---	Peak
5	11340.00	42.55	-11.45	54.00	28.89	38.34	10.28	34.96	---	---	Average
6	11340.00	55.79	-18.21	74.00	42.13	38.34	10.28	34.96	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (FX)**	F7'
Operating Function	1	**Polarization**	V

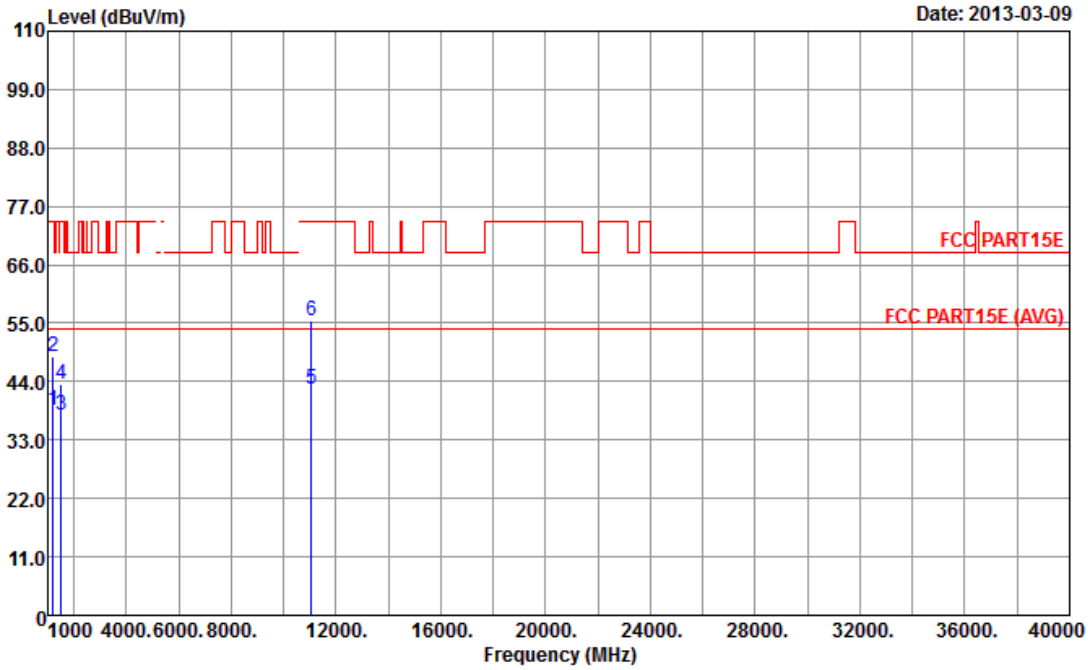


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.41	-15.59	54.00	44.97	27.94	3.14	37.64	---	---	Average
2	1200.00	48.64	-25.36	74.00	55.20	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.26	-16.74	54.00	42.51	28.00	3.55	36.80	---	---	Average
4	1500.00	48.77	-25.23	74.00	54.02	28.00	3.55	36.80	---	---	Peak
5	11340.00	42.62	-11.38	54.00	28.96	38.34	10.28	34.96	---	---	Average
6	11340.00	55.41	-18.59	74.00	41.75	38.34	10.28	34.96	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

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

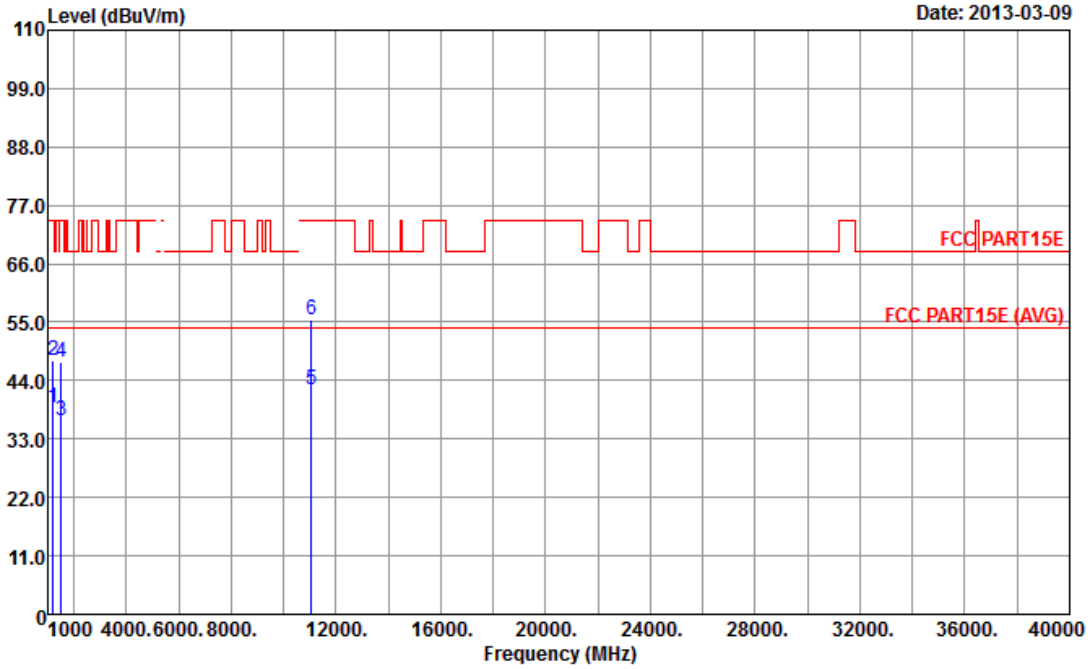
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F1”
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.75	-15.25	54.00	45.31	27.94	3.14	37.64	---	---	Average
2	1200.00	48.61	-25.39	74.00	55.17	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.76	-16.24	54.00	43.01	28.00	3.55	36.80	---	---	Average
4	1500.00	43.58	-30.42	74.00	48.83	28.00	3.55	36.80	---	---	Peak
5	11060.00	42.73	-11.27	54.00	29.61	38.06	10.14	35.08	---	---	Average
6	11060.00	55.45	-18.55	74.00	42.33	38.06	10.14	35.08	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

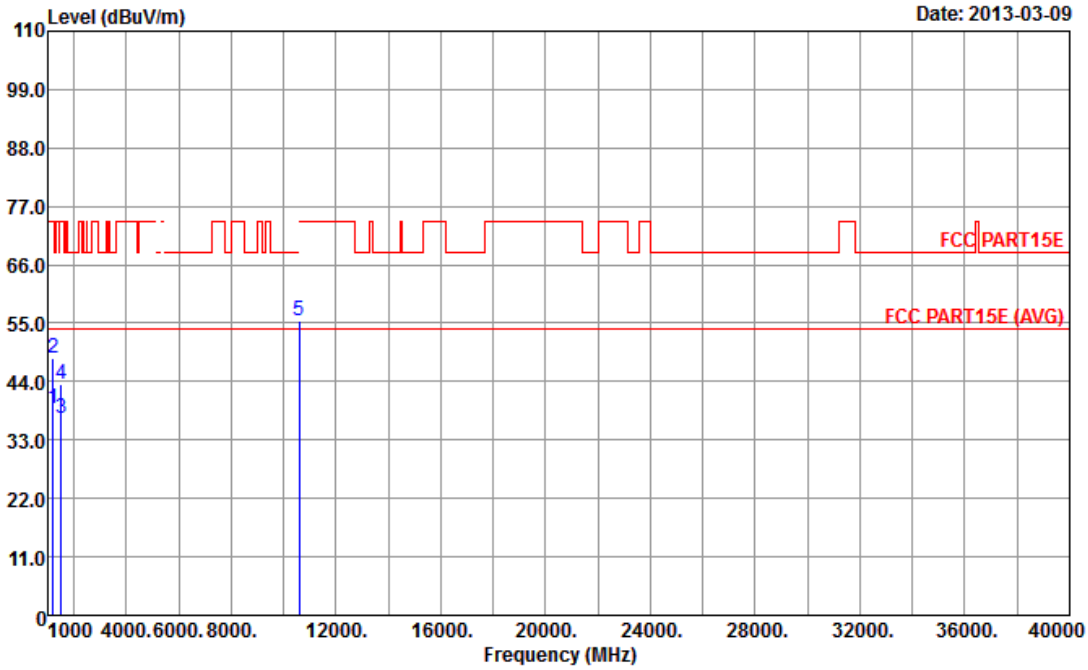
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F1"
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.91	-15.09	54.00	45.47	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.48	-17.52	54.00	41.73	28.00	3.55	36.80	---	---	Average
4	1500.00	47.64	-26.36	74.00	52.89	28.00	3.55	36.80	---	---	Peak
5	11060.00	42.35	-11.65	54.00	29.23	38.06	10.14	35.08	---	---	Average
6	11060.00	55.49	-18.51	74.00	42.37	38.06	10.14	35.08	---	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

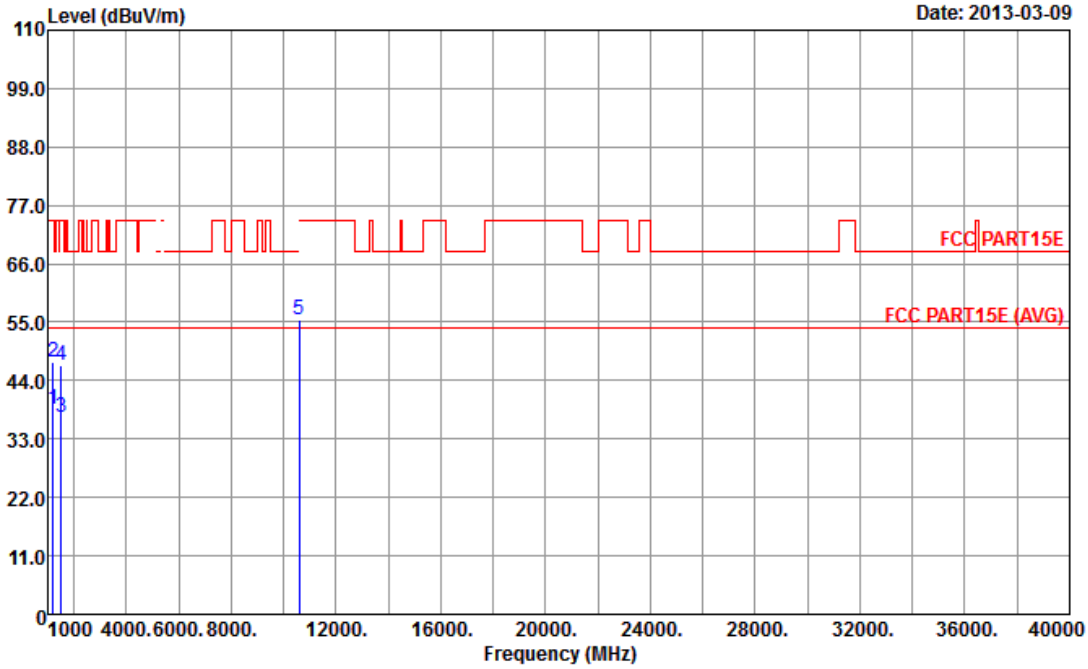
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F2”
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.85	-15.15	54.00	45.41	27.94	3.14	37.64	---	---	Average
2	1200.00	48.47	-25.53	74.00	55.03	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.95	-17.05	54.00	42.20	28.00	3.55	36.80	---	---	Average
4	1500.00	43.52	-30.48	74.00	48.77	28.00	3.55	36.80	---	---	Peak
5	10580.00	55.41	-12.89	68.30	42.99	37.83	9.86	35.27	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

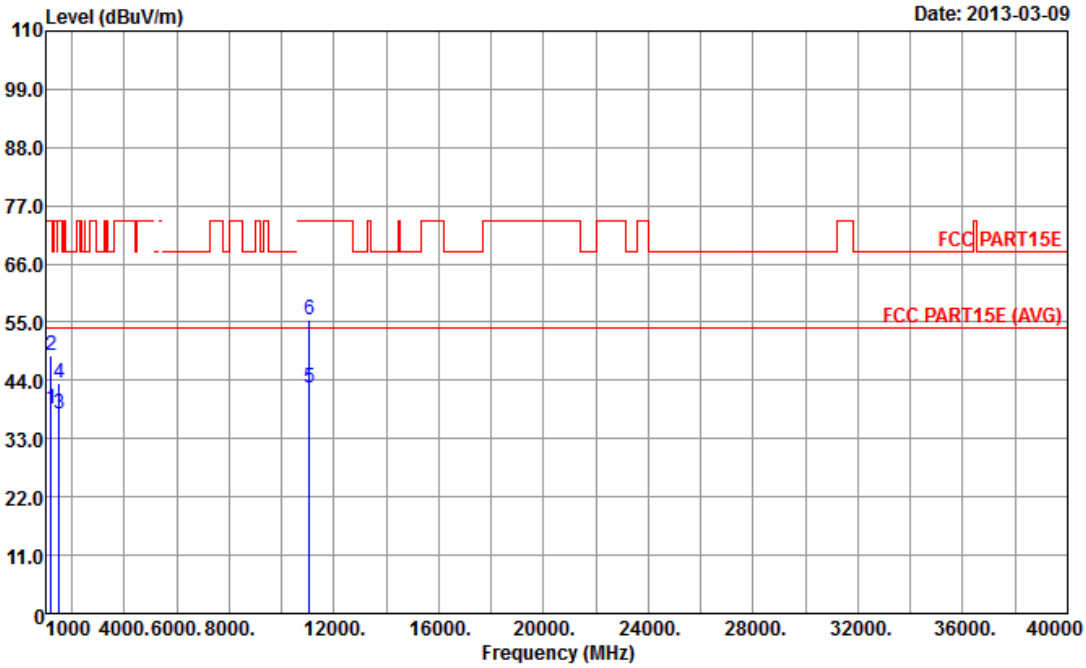
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F2”
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.64	-15.36	54.00	45.20	27.94	3.14	37.64	---	---	Average
2	1200.00	47.51	-26.49	74.00	54.07	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.95	-17.05	54.00	42.20	28.00	3.55	36.80	---	---	Average
4	1500.00	46.85	-27.15	74.00	52.10	28.00	3.55	36.80	---	---	Peak
5	10580.00	55.57	-12.73	68.30	43.15	37.83	9.86	35.27	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

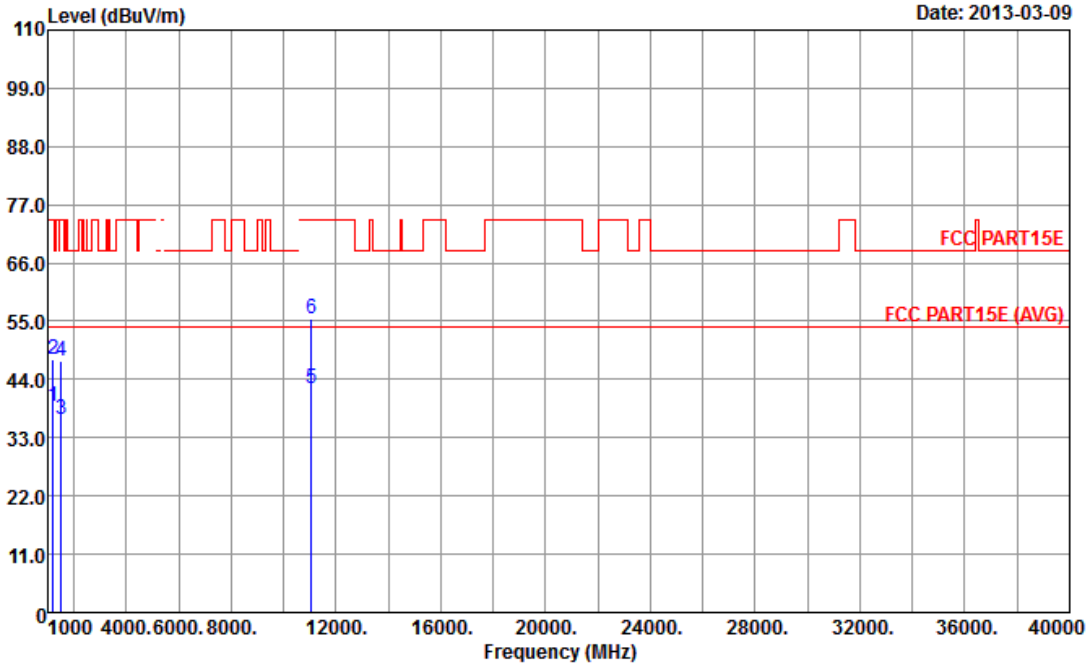
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F3”
Operating Function	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.75	-15.25	54.00	45.31	27.94	3.14	37.64	---	---	Average
2	1200.00	48.61	-25.39	74.00	55.17	27.94	3.14	37.64	---	---	Peak
3	1500.00	37.76	-16.24	54.00	43.01	28.00	3.55	36.80	---	---	Average
4	1500.00	43.58	-30.42	74.00	48.83	28.00	3.55	36.80	---	---	Peak
5	11060.00	42.73	-11.27	54.00	29.61	38.06	10.14	35.08	---	---	Average
6	11060.00	55.45	-18.55	74.00	42.33	38.06	10.14	35.08	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (FX)**	F3”
Operating Function	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1200.00	38.91	-15.09	54.00	45.47	27.94	3.14	37.64	---	---	Average
2	1200.00	47.85	-26.15	74.00	54.41	27.94	3.14	37.64	---	---	Peak
3	1500.00	36.48	-17.52	54.00	41.73	28.00	3.55	36.80	---	---	Average
4	1500.00	47.64	-26.36	74.00	52.89	28.00	3.55	36.80	---	---	Peak
5	11060.00	42.35	-11.65	54.00	29.23	38.06	10.14	35.08	---	---	Average
6	11060.00	55.49	-18.51	74.00	42.37	38.06	10.14	35.08	---	---	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: 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.

3.8 Frequency Stability

3.8.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
☒ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
☒ N/A
IEEE Std. 802.11n-2009
☒ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

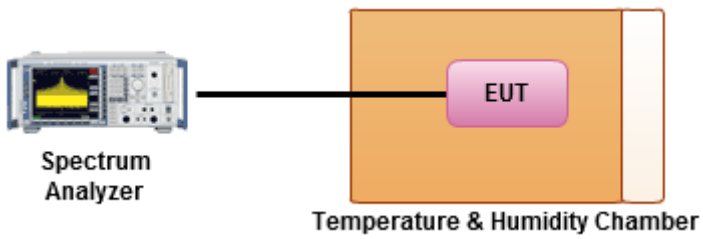
3.8.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.8.3 Test Procedures

Test Method	
☒ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	☒ Frequency stability with respect to ambient temperature
	☒ Frequency stability when varying supply voltage
☒ For conducted measurement.	
	☒ For conducted measurements on devices with multiple transmit chains: Measurements need only to be performed on one of the active transmit chains (antenna outputs)
☐ For radiated measurement. The equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted power level.	

3.8.4 Test Setup

Frequency Stability


3.8.5 Test Result of Frequency Stability

Frequency Stability Result						
Mode		Frequency Stability (ppm)				
Condition	Freq. (MHz)	0 min	2 min	5 min	10 min	Limit
$T_{20°C}$Vmax	5180	4.10	4.63	4.52	4.19	20.0
$T_{20°C}$Vmin	5180	6.12	6.00	6.72	5.86	20.0
$T_{45°C}$Vnom	5180	10.90	11.18	11.10	11.13	20.0
$T_{40°C}$Vnom	5180	10.26	10.26	10.12	10.40	20.0
$T_{30°C}$Vnom	5180	6.11	6.35	5.84	6.47	20.0
$T_{20°C}$Vnom	5180	4.47	5.02	5.04	4.96	20.0
$T_{10°C}$Vnom	5180	3.02	3.28	3.47	3.35	20.0
$T_{0°C}$Vnom	5180	1.26	0.79	1.17	1.40	20.0
$T_{-5°C}$Vnom	5180	0.43	0.73	0.78	0.77	20.0
Result		Complied				

Note 1: Measure at 85 % [Vmin] and 115 % [Vmax] of the nominal voltage [Vnom].
Note 2: The nominal voltage refer test report clause 1.1.5 for EUT operational condition.

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9 kHz ~ 2.75 GHz	Mar. 26, 2013	Conduction (CO04-HY)
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz – 30MHz	Jan. 21, 2013	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9 kHz ~ 30 MHz	Apr. 20, 2012	Conduction (CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	CB049	9 kHz ~ 30 MHz	Apr. 25, 2012	Conduction (CO04-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 30	100023/030	9KHz ~ 30GHz	Apr. 27, 2012	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Jun. 19, 2012	Conducted (TH01-HY)
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 02, 2012	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Nov. 21, 2012	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jun. 26, 2012	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	Feb. 02, 2013	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	Feb. 02, 2013	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345669/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP	100055	9Kz – 40GHz	Jun. 06, 2012	Radiation (03CH05-HY)
Receiver	R&S	ESIB26	100337	20Hz – 26.5GHz	Jun.21, 2012	Radiation (03CH05-HY)
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH05-HY	30 MHz - 1 GHz 3m	N/A	Radiation (03CH05-HY)
Amplifier	COM-POWER	PA-103	161050	1 MHz ~ 1 GHz	Mar. 20, 2012	Radiation (03CH05-HY)
Amplifier	Agilent	8449B	3008A02665	1GHz – 26.5 GHz	Aug. 28, 2012	Radiation (03CH05-HY)
Horn Antenna	ETS-LINDGREN	3117	66584	1GHz~18GHz	Aug. 09, 2012	Radiation (03CH05-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 08, 2013	Radiation (03CH05-HY
RF Cable-R03m	Jye Bao	RG142	03CH05-HY	30 MHz - 1 GHz	Oct. 14, 2012	Radiation (03CH05-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX104	03CH05-HY	1GHz~40GHz	Oct. 14, 2012	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30 MHz - 1 GHz	Oct. 06, 2012	Radiation (03CH05-HY)
Turn Table	HD	HD100	420/611	0 - 360 degree	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	HD100	240/666	1 m - 4 m	N/A	Radiation (03CH05-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Remark
Loop Antenna	R&S	HFH2-Z2	860004/0001	9 kHz - 30 MHz	Jul. 03, 2012	Radiation (03CH05-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5GHz ~ 40GHz	Apr. 19, 2011	Radiation (03CH05-HY)

Note: Calibration Interval of instruments listed above is two year.