

## 6 Radio Spectrum Matter Test Results (RF)

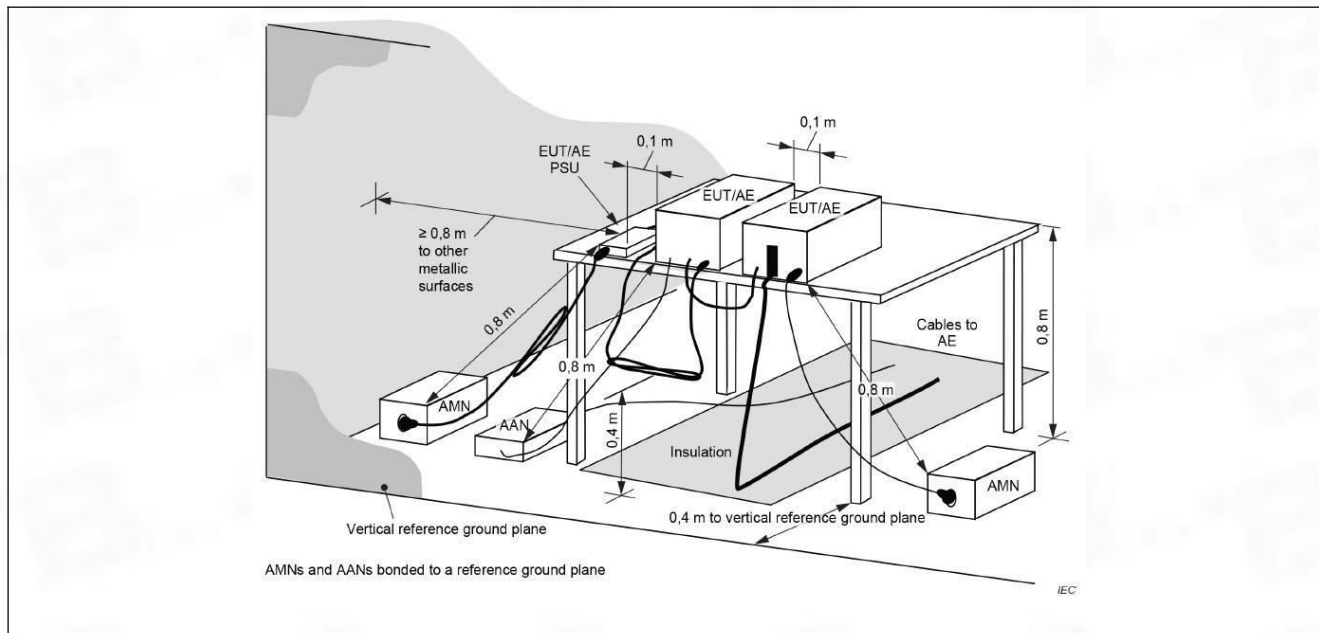
### 6.1 Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 ohms line impedance stabilization network (LISN).		
Test Method:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the frequency.		

#### 6.1.1 E.U.T. Operation:

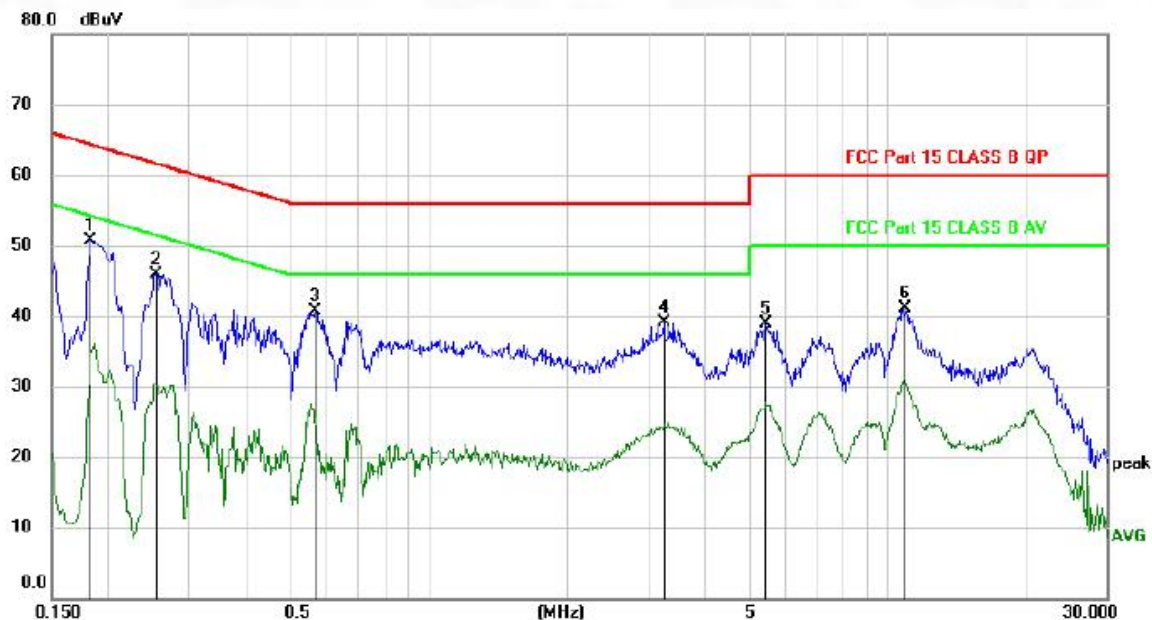
Operating Environment:	
Temperature:	24.8 °C
Humidity:	52.5 %
Atmospheric Pressure:	1010 mbar

#### 6.1.2 Test Setup Diagram:



6.1.3 Test Data:

TM1 / Line: Line / Band: 2.4G / BW: 20 / CH: M

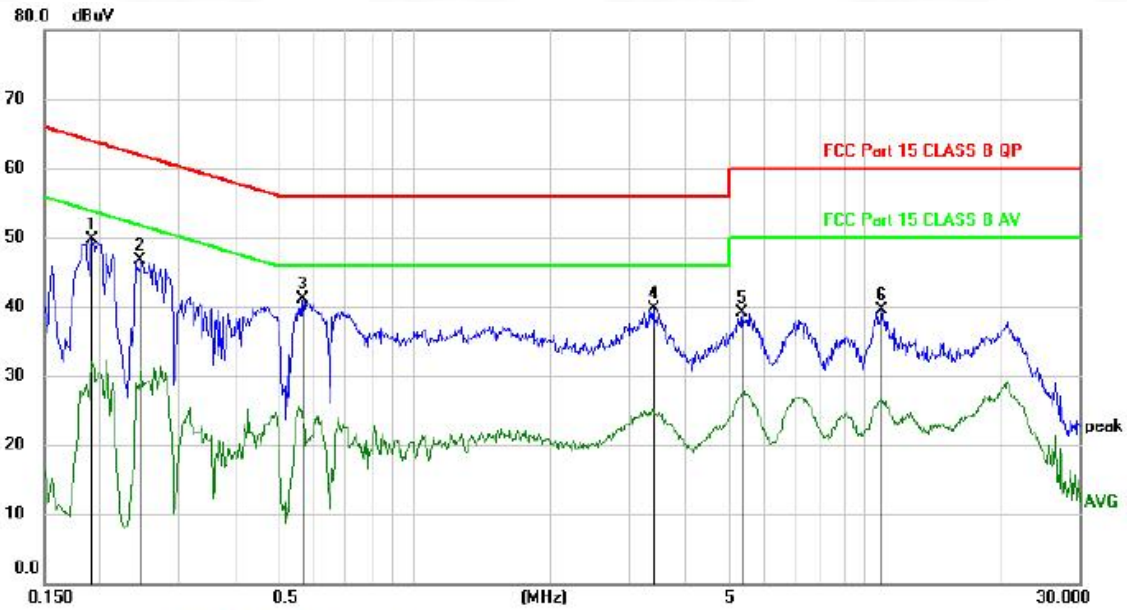


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1830	40.85	9.83	50.68	64.35	-13.67	peak	
2		0.2535	36.07	9.83	45.90	61.64	-15.74	peak	
3		0.5670	30.80	9.83	40.63	56.00	-15.37	peak	
4		3.2580	29.33	9.81	39.14	56.00	-16.86	peak	
5		5.4360	28.91	9.90	38.81	60.00	-21.19	peak	
6		10.9320	31.15	10.02	41.17	60.00	-18.83	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

TM1 / Line: Neutral / Band: 2.4G / BW: 20 / CH: M



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1920	39.92	9.83	49.75	63.95	-14.20	peak	
2		0.2460	36.78	9.83	46.61	61.89	-15.28	peak	
3		0.5670	31.25	9.83	41.08	56.00	-14.92	peak	
4		3.3960	29.86	9.82	39.68	56.00	-16.32	peak	
5		5.3430	29.19	9.90	39.09	60.00	-20.91	peak	
6		10.9620	29.43	10.02	39.45	60.00	-20.55	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

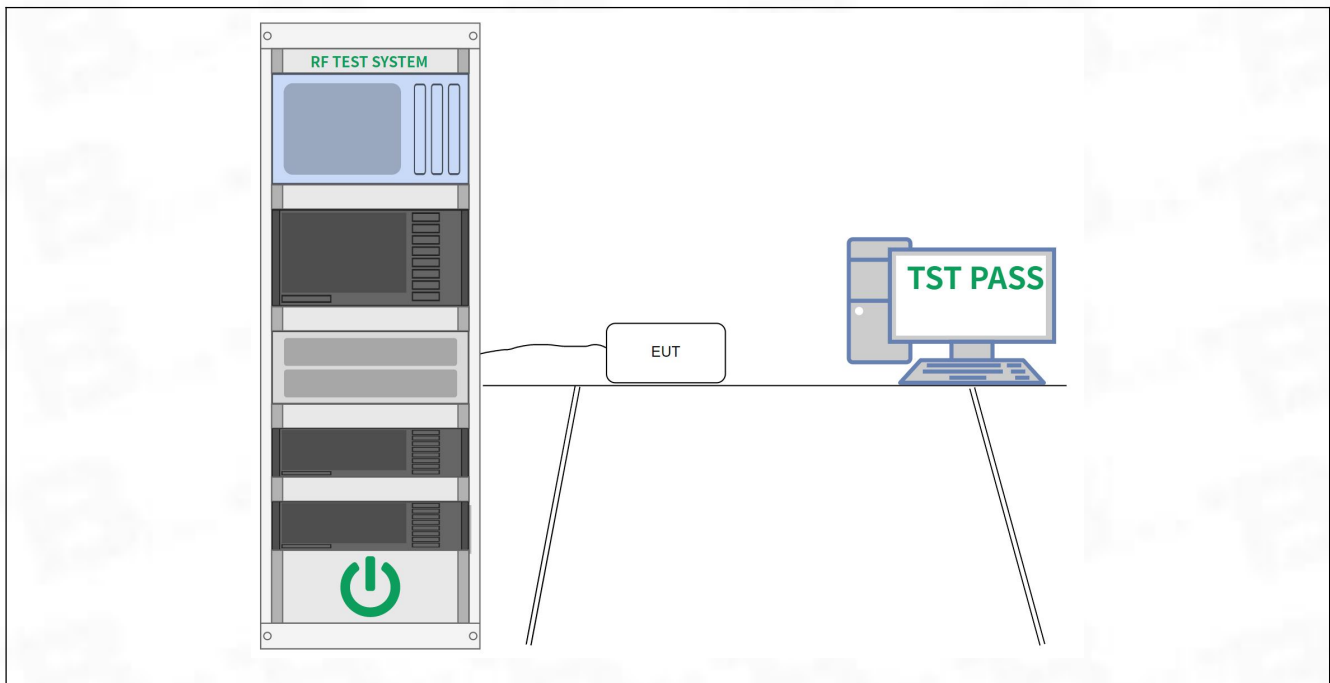
## 6.2 Occupied Bandwidth

Test Requirement:	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	DTS bandwidth
Test Limit:	Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Procedure:	<ul style="list-style-type: none"> <li>a) Set RBW = 100 kHz.</li> <li>b) Set the VBW <math>\geq</math> [3 × RBW].</li> <li>c) Detector = peak.</li> <li>d) Trace mode = max hold.</li> <li>e) Sweep = auto couple.</li> <li>f) Allow the trace to stabilize.</li> <li>g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.</li> </ul>

### 6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

### 6.2.2 Test Setup Diagram:



### 6.2.3 Test Data:

Please Refer to Appendix for Details.

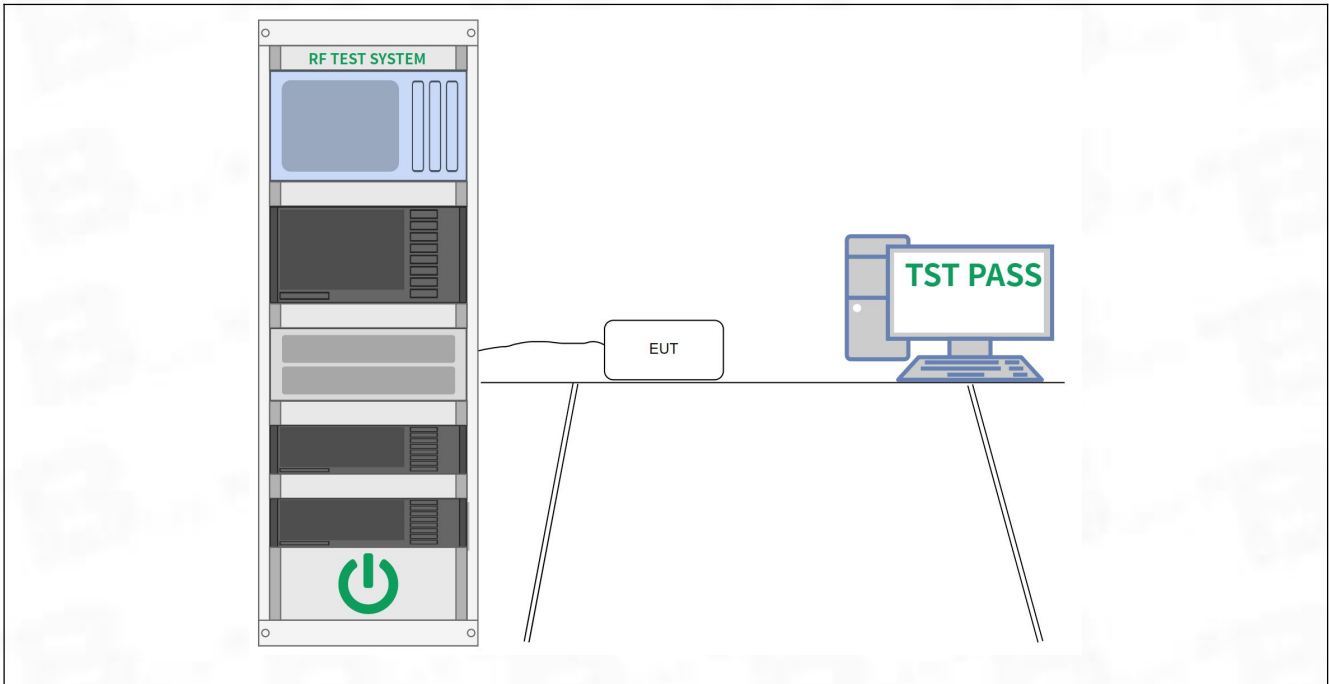
### 6.3 Maximum Conducted Output Power

Test Requirement:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	Maximum peak conducted output power
Test Limit:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Procedure:	ANSI C63.10-2013, section 11.9.1 Maximum peak conducted output power

#### 6.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

### 6.3.2 Test Setup Diagram:



### 6.3.3 Test Data:

Please Refer to Appendix for Details.

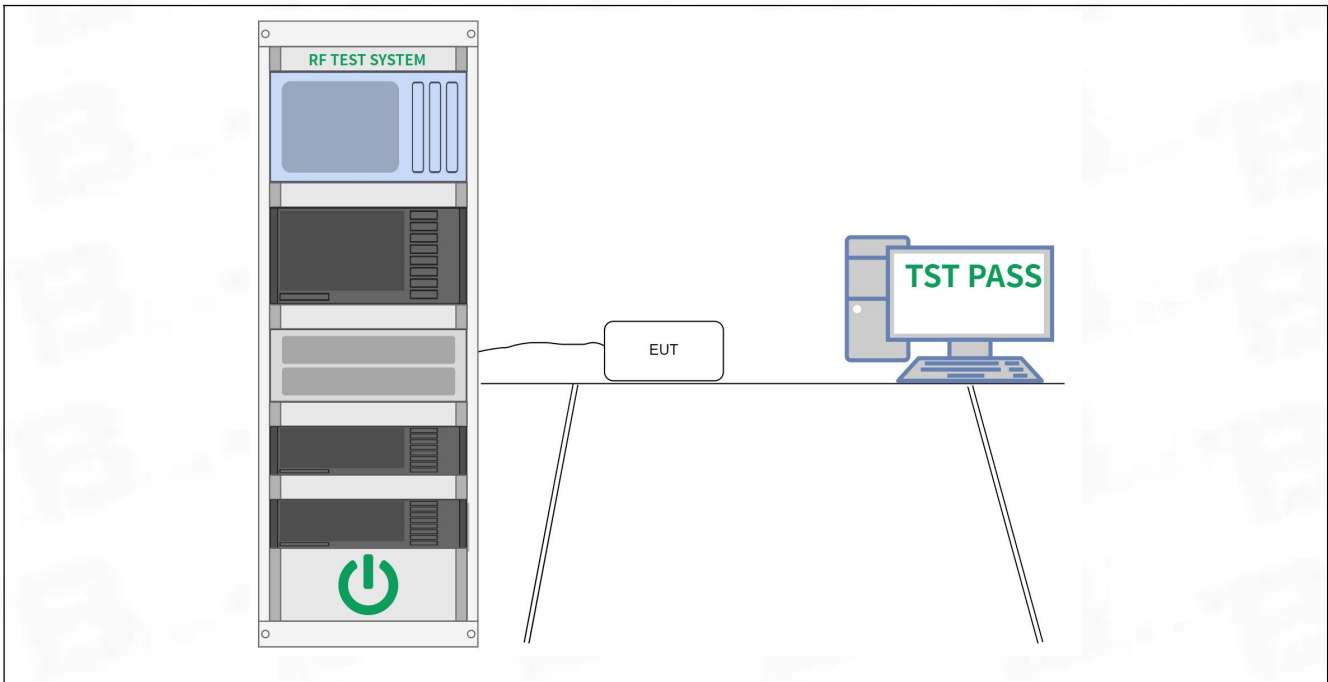
### 6.4 Power Spectral Density

Test Requirement:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	Maximum power spectral density level in the fundamental emission
Test Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

#### 6.4.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

#### 6.4.2 Test Setup Diagram:



#### 6.4.3 Test Data:

Please Refer to Appendix for Details.

### 6.5 Emissions in non-restricted frequency bands

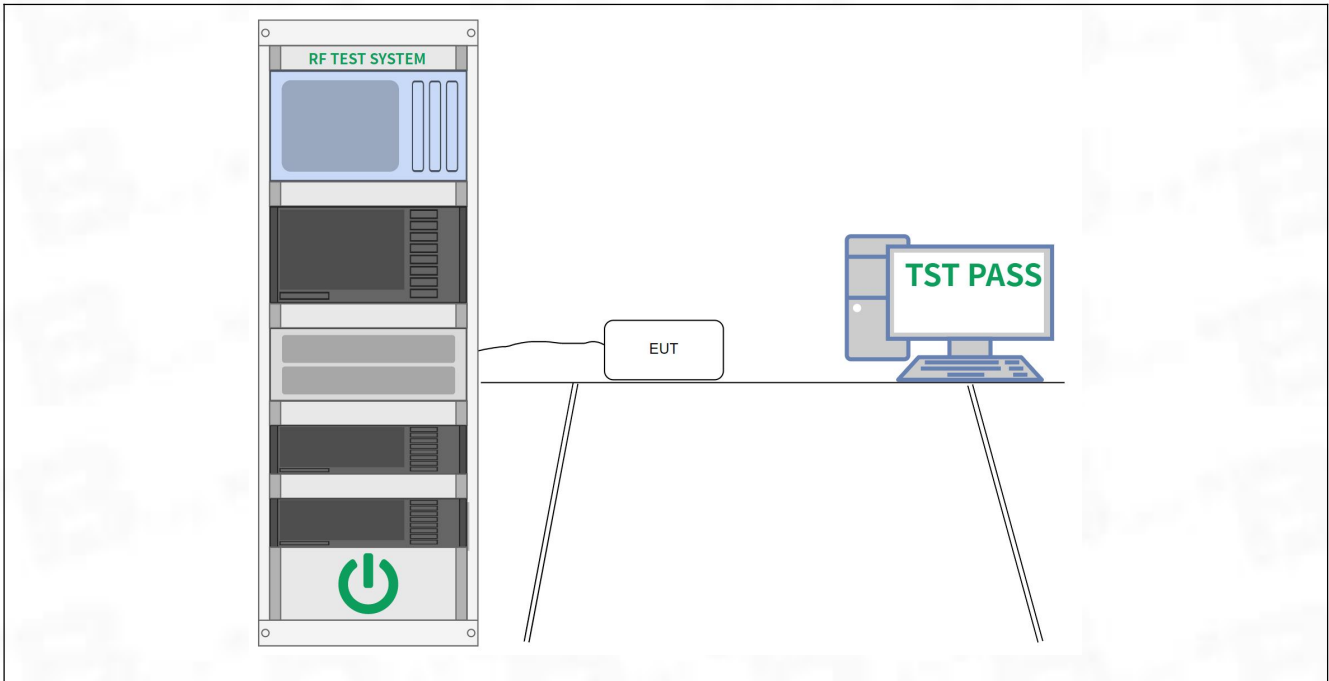
Test Requirement:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	Emissions in nonrestricted frequency bands
Test Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Procedure:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

#### 6.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar



**6.5.2 Test Setup Diagram:**



**6.5.3 Test Data:**

Please Refer to Appendix for Details.

### 6.6 Band edge emissions (Radiated)

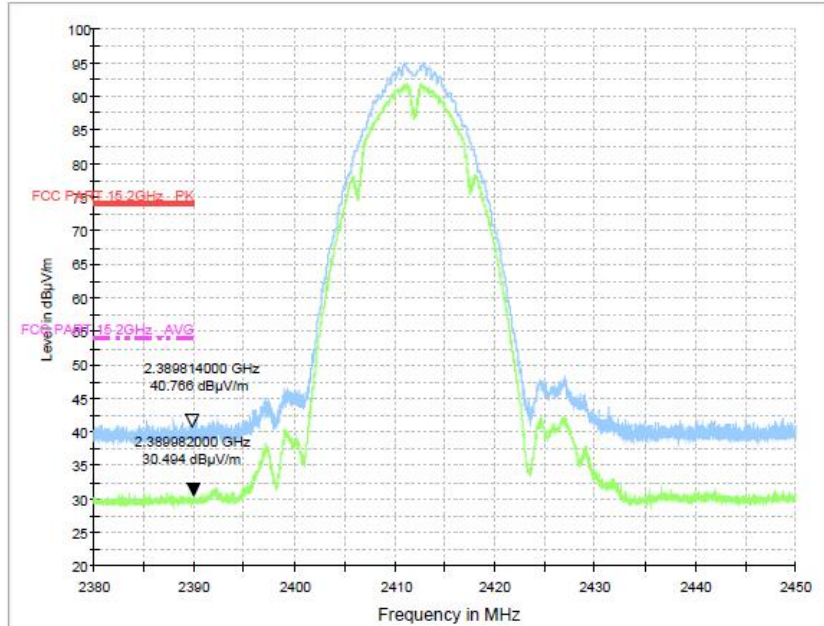
Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

#### 6.6.1 E.U.T. Operation:

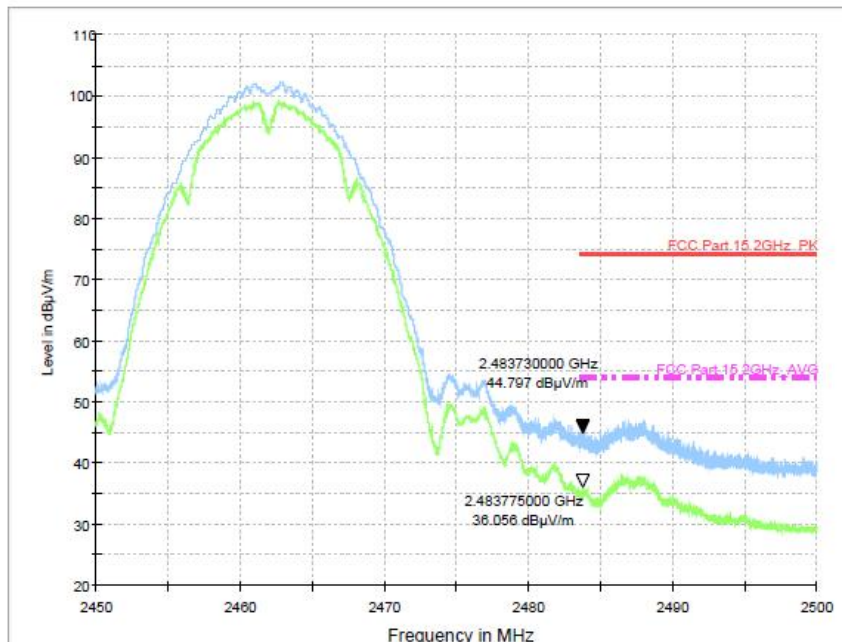
Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

6.6.2 Test Data:

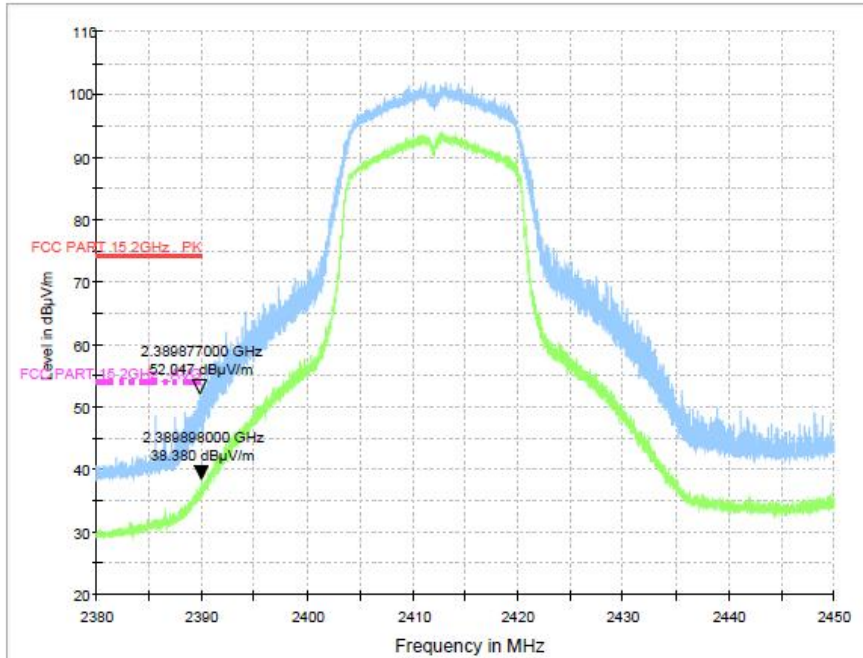
TM1 / Band: 2.4G / BW: 20 / CH: L



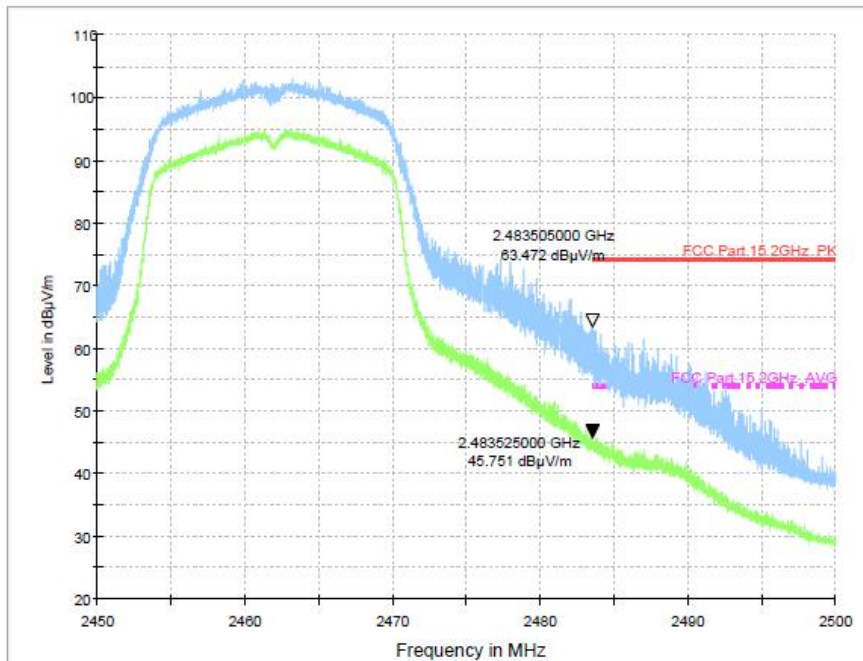
TM1 / Band: 2.4G / BW: 20 / CH: H



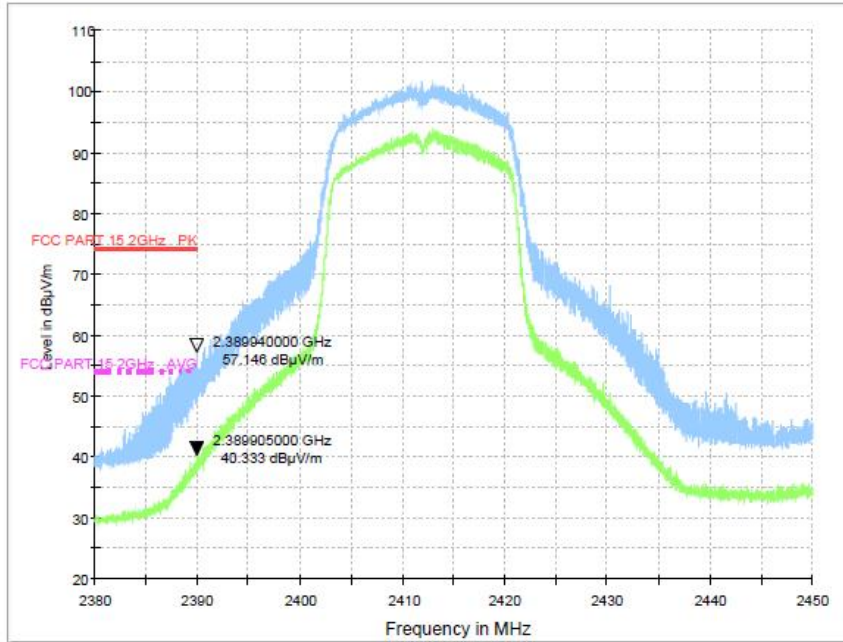
TM2 / Band: 2.4G / BW: 20 / CH: L



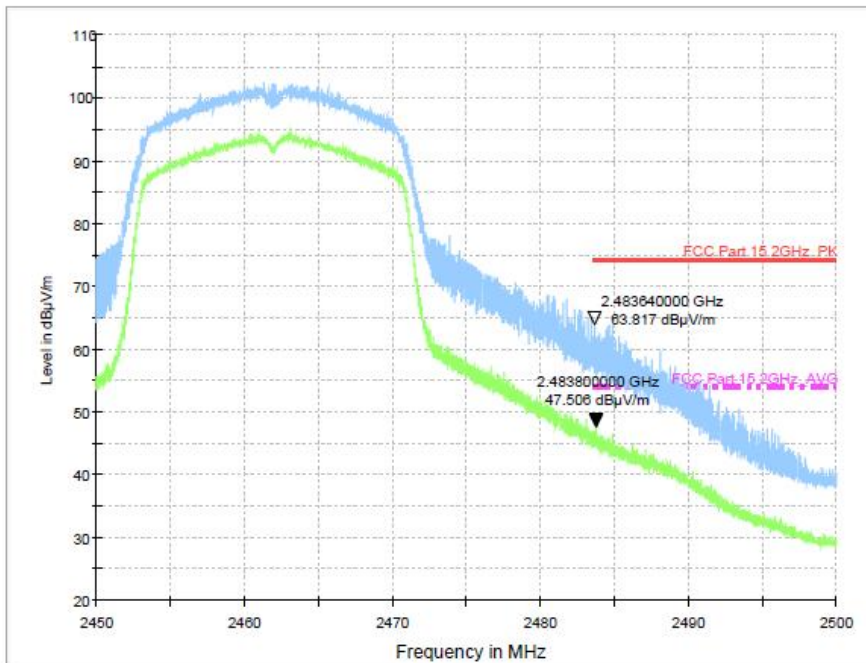
TM2 / Band: 2.4G / BW: 20 / CH: H



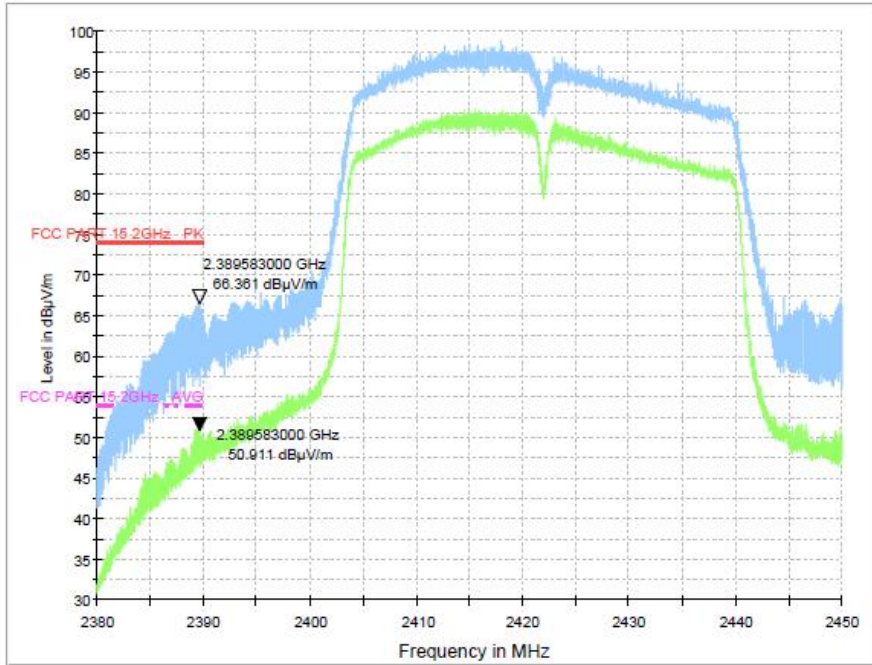
TM3 / Band: 2.4G / BW: 20 / CH: L



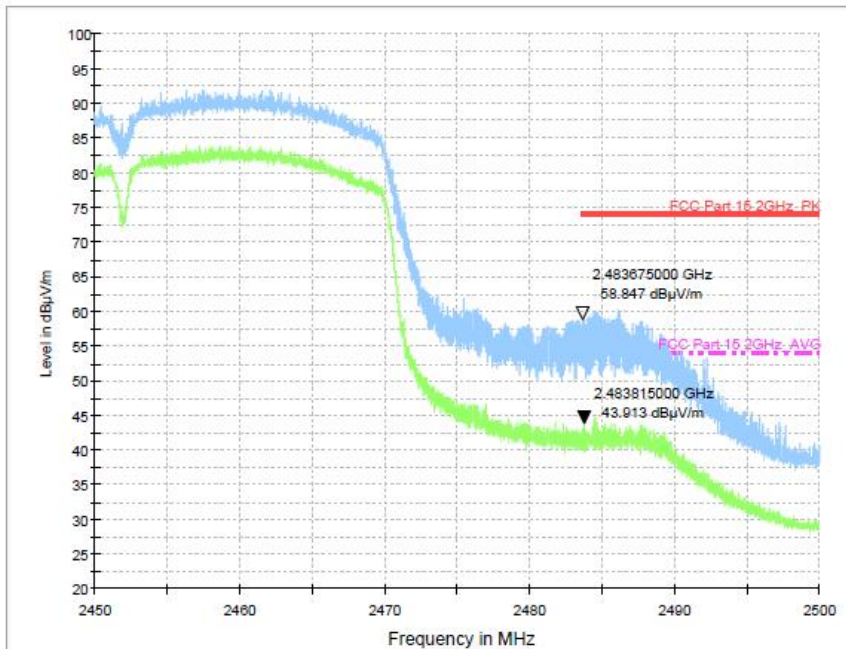
TM3 / Band: 2.4G / BW: 20 / CH: H



TM4 / Band: 2.4G / BW: 40 / CH: L



TM4 / Band: 2.4G / BW: 40 / CH: H



### 6.7 Emissions in restricted frequency bands (below 1GHz)

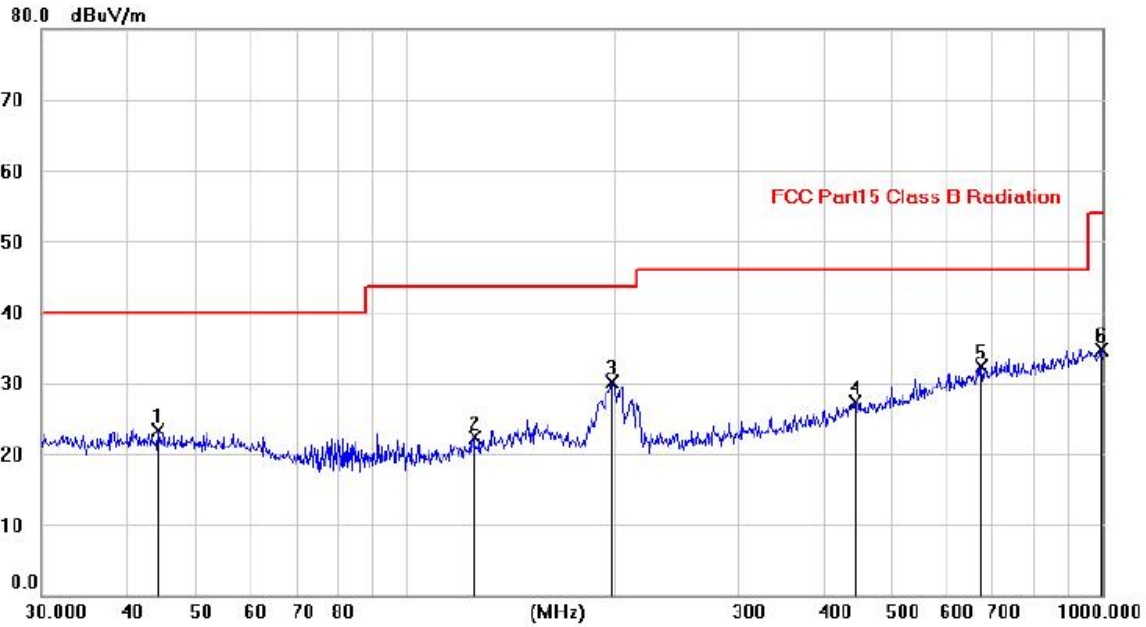
Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

#### 6.7.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

**6.7.2 Test Data:**

Note: All the mode have been tested, and only the worst case of 802.11n mode are in the report  
 TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L

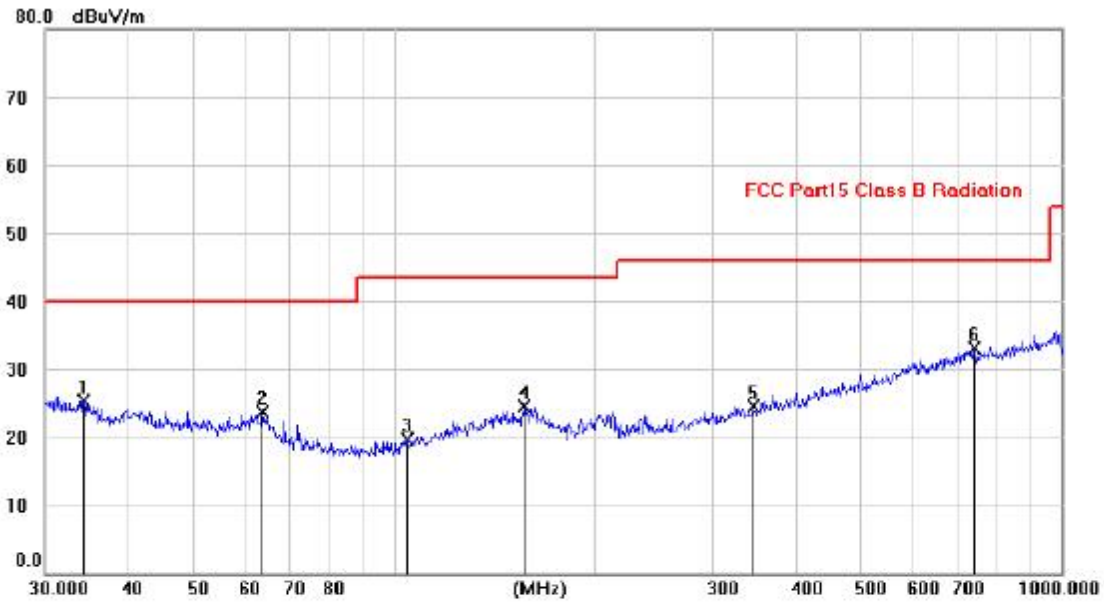


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		44.1820	9.01	14.20	23.21	40.00	-16.79	peak		
2		125.7100	8.88	13.35	22.23	43.50	-21.27	peak		
3	*	198.1705	19.19	11.00	30.19	43.50	-13.31	peak		
4		442.5176	10.00	17.38	27.38	46.00	-18.62	peak		
5		672.1369	10.98	21.35	32.33	46.00	-13.67	peak		
6		997.4317	9.89	24.80	34.69	54.00	-19.31	peak		

Note: 1. \*:Maximum data; x:Over limit; !:over margin.  
 2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		34.3361	11.58	13.71	25.29	40.00	-14.71			peak
2		63.6024	11.22	12.52	23.74	40.00	-16.26			peak
3		104.6705	8.43	11.31	19.74	43.50	-23.76			peak
4		156.8606	9.51	15.05	24.56	43.50	-18.94			peak
5		346.2015	9.31	15.17	24.48	46.00	-21.52			peak
6	*	741.2182	10.92	22.27	33.19	46.00	-12.81			peak

Note: 1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

### 6.8 Emissions in restricted frequency bands (above 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

#### 6.8.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

**6.8.2 Test Data:**

From 1G-25GHz

Test Mode: IEEE 802.11b TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4824	48.40	V	33.93	10.18	34.26	58.25	74	-15.75	PK
4824	36.56	V	33.93	10.18	34.26	46.41	54	-7.59	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
4824	47.41	H	33.93	10.18	34.26	57.26	74	-16.74	PK
4824	35.17	H	33.93	10.18	34.26	45.02	54	-8.98	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11b TX Mid									
4874	49.11	V	33.95	10.20	34.26	59.00	74	-15.00	PK
4874	35.60	V	33.95	10.20	34.26	45.49	54	-8.51	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
4874	48.26	H	33.95	10.20	34.26	58.15	74	-15.85	PK
4874	34.38	H	33.95	10.20	34.26	44.27	54	-9.73	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11b TX High									
4924	47.17	V	33.98	10.22	34.25	57.12	74	-16.88	PK
4924	33.66	V	33.98	10.22	34.25	43.61	54	-10.39	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
4924	46.73	H	33.98	10.22	34.25	56.68	74	-17.32	PK
4924	32.58	H	33.98	10.22	34.25	42.53	54	-11.47	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

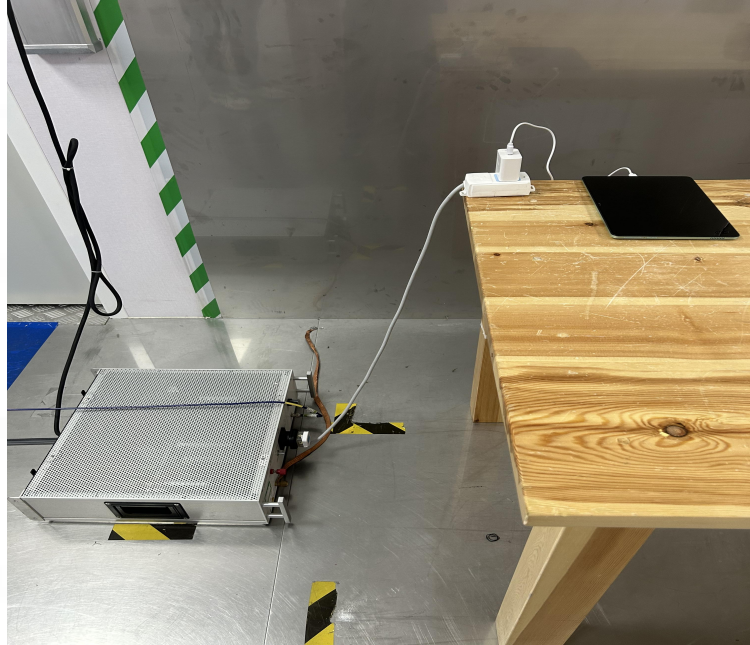
Test Mode: IEEE 802.11g TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4824		V	33.93	10.18	34.26	58.57	74	-15.43	PK
4824	36.08	V	33.93	10.18	34.26	45.93	54	-8.07	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
4824	47.16	H	33.93	10.18	34.26	57.01	74	-16.99	PK
4824	35.97	H	33.93	10.18	34.26	45.82	54	-8.18	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11g TX Mid									
4874	49.19	V	33.95	10.20	34.26	59.08	74	-14.92	PK
4874	35.18	V	33.95	10.20	34.26	45.07	54	-8.93	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
4874	48.62	H	33.95	10.20	34.26	58.51	74	-15.49	PK
4874	34.44	H	33.95	10.20	34.26	44.33	54	-9.67	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11g TX High									
4924	47.30	V	33.98	10.22	34.25	57.25	74	-16.75	PK
4924	33.04	V	33.98	10.22	34.25	42.99	54	-11.01	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
4924	46.89	H	33.98	10.22	34.25	56.84	74	-17.16	PK
4924	32.71	H	33.98	10.22	34.25	42.66	54	-11.34	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

Test Mode: IEEE 802.11n HT20 TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4824	48.80	V	33.93	10.18	34.26	58.65	74	-15.35	PK
4824	36.99	V	33.93	10.18	34.26	46.84	54	-7.16	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
4824	47.28	H	33.93	10.18	34.26	57.13	74	-16.87	PK
4824	35.40	H	33.93	10.18	34.26	45.25	54	-8.75	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11n HT20 TX Mid									
4874	49.29	V	33.95	10.20	34.26	59.18	74	-14.82	PK
4874	35.47	V	33.95	10.20	34.26	45.36	54	-8.64	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
4874	48.79	H	33.95	10.20	34.26	58.68	74	-15.32	PK
4874	34.23	H	33.95	10.20	34.26	44.12	54	-9.88	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11n HT20 TX High									
4924	47.17	V	33.98	10.22	34.25	57.12	74	-16.88	PK
4924	33.88	V	33.98	10.22	34.25	43.83	54	-10.17	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
4924	46.84	H	33.98	10.22	34.25	56.79	74	-17.21	PK
4924	32.83	H	33.98	10.22	34.25	42.78	54	-11.22	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

Test Mode: IEEE 802.11n HT40 TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4824	48.49	V	33.93	10.18	34.26	58.34	74	-15.66	PK
4824	36.23	V	33.93	10.18	34.26	46.08	54	-7.92	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
4824	47.68	H	33.93	10.18	34.26	57.53	74	-16.47	PK
4824	35.21	H	33.93	10.18	34.26	45.06	54	-8.94	AV
7236	/	/	/	/	/	/	/	/	/
9648	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11n HT40 TX Mid									
4874	49.11	V	33.95	10.20	34.26	59.00	74	-15.00	PK
4874	35.95	V	33.95	10.20	34.26	45.84	54	-8.16	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
4874	48.26	H	33.95	10.20	34.26	58.15	74	-15.85	PK
4874	34.41	H	33.95	10.20	34.26	44.30	54	-9.70	AV
7311	/	/	/	/	/	/	/	/	/
9748	/	/	/	/	/	/	/	/	/
Test Mode: IEEE 802.11n HT40 TX High									
4924	47.53	V	33.98	10.22	34.25	57.48	74	-16.52	PK
4924	33.93	V	33.98	10.22	34.25	43.88	54	-10.12	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
4924	46.19	H	33.98	10.22	34.25	56.14	74	-17.86	PK
4924	32.10	H	33.98	10.22	34.25	42.05	54	-11.95	AV
7386	/	/	/	/	/	/	/	/	/
9848	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

## 7 Test Setup Photos

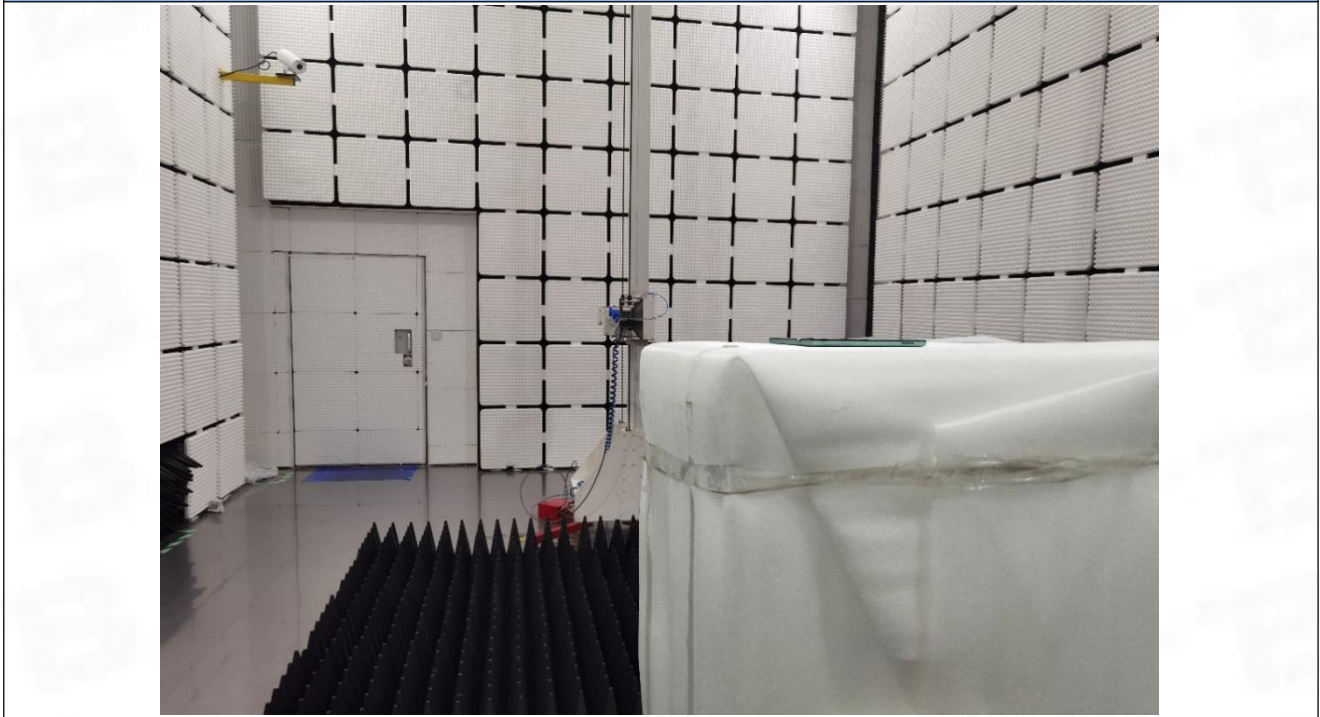
Conducted Emission at AC power line



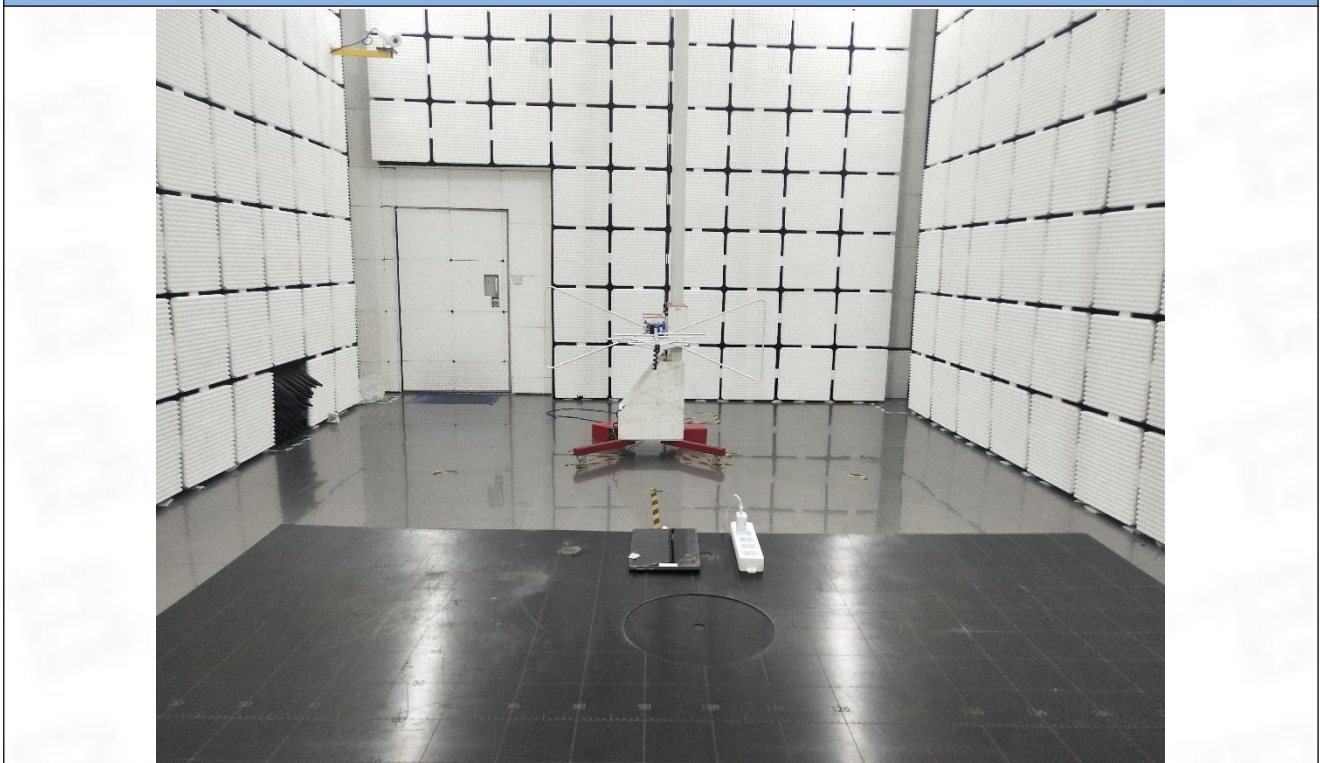
Occupied Bandwidth  
Maximum Conducted Output Power  
Power Spectral Density  
Emissions in non-restricted frequency bands



**Band edge emissions (Radiated)**  
**Emissions in restricted frequency bands (above 1GHz)**



**Emissions in restricted frequency bands (below 1GHz)**





## 8 EUT Constructional Details (EUT Photos)

Please refer to the report No. BTF230710R00301

# Appendix

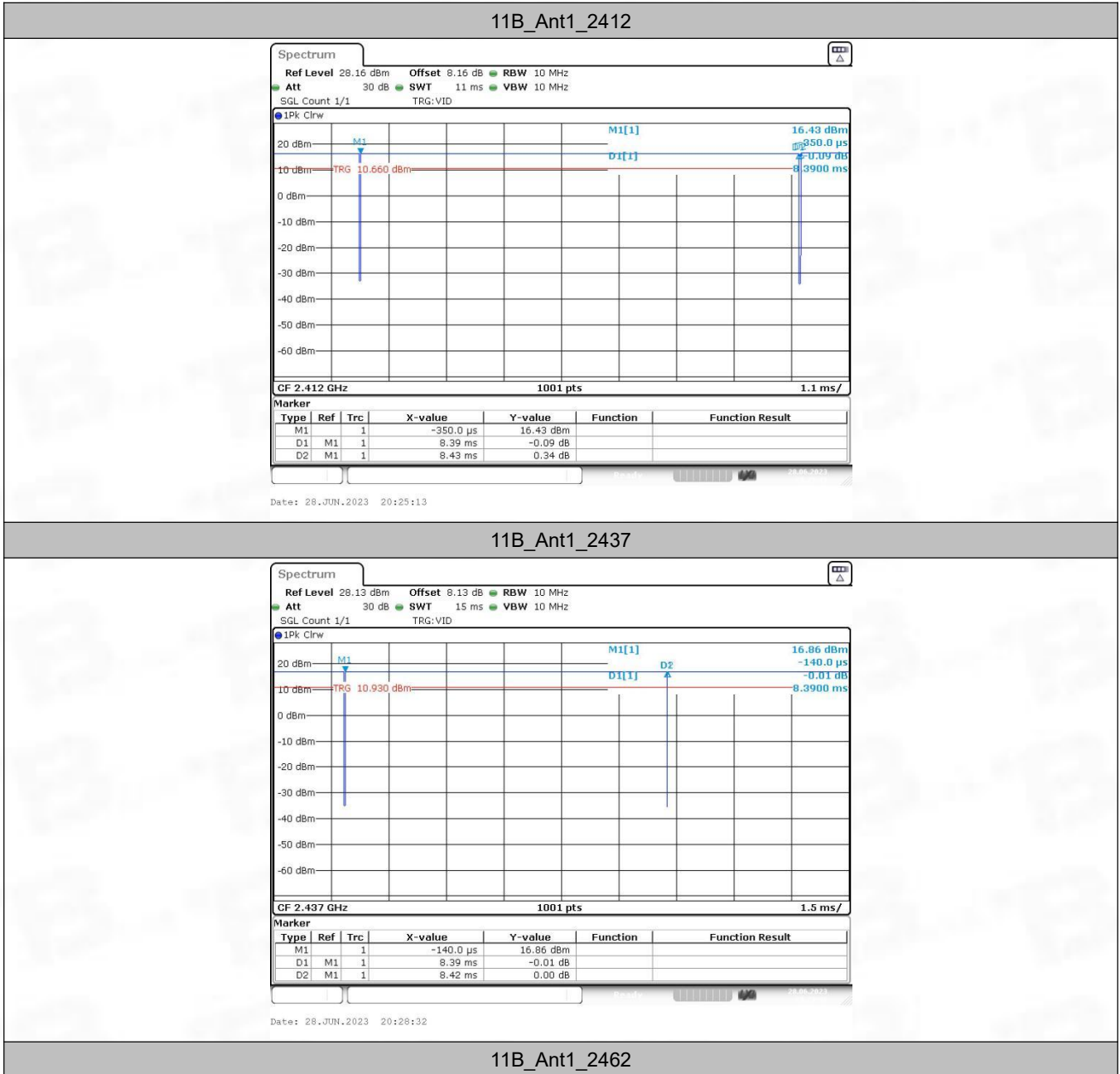
## 1. Duty Cycle

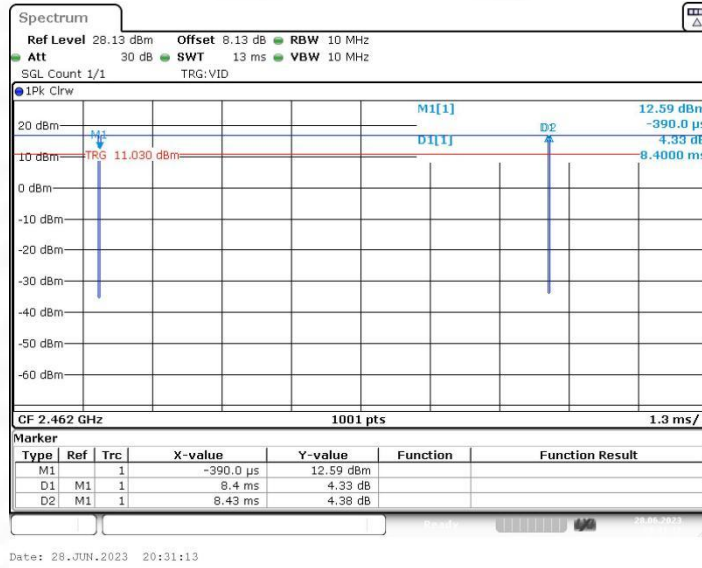
### 1.1 Ant1

#### 1.1.1 Test Result

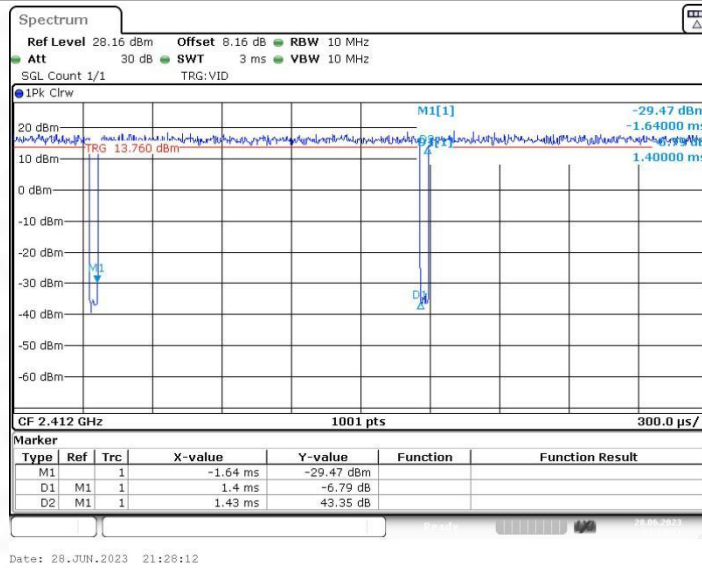
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.39	8.43	99.53
		2437	8.39	8.42	99.64
		2462	8.40	8.43	99.64
11G	Ant1	2412	1.40	1.43	97.90
		2437	1.39	1.43	97.20
		2462	1.39	1.43	97.20
11N20SISO	Ant1	2412	1.30	1.33	97.74
		2437	1.30	1.33	97.74
		2462	1.29	1.33	96.99
11N40SISO	Ant1	2422	0.65	0.68	95.59
		2437	0.65	0.69	94.20
		2452	0.65	0.69	94.20

### 1.1.2 Test Graph

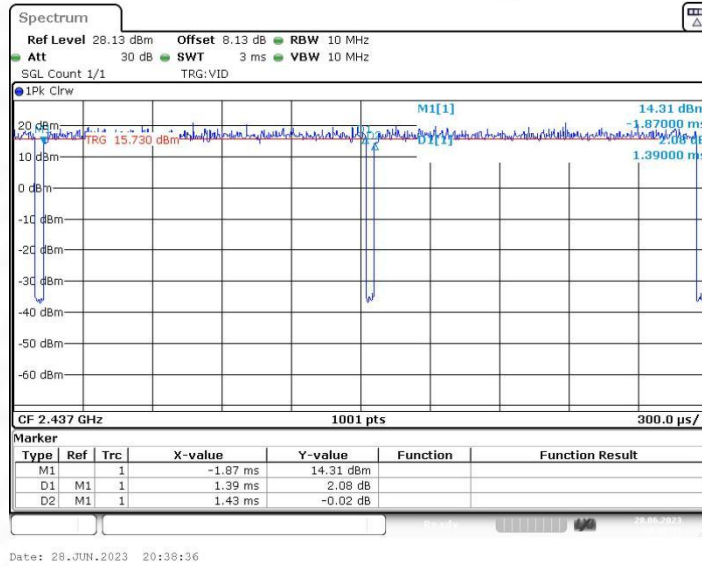




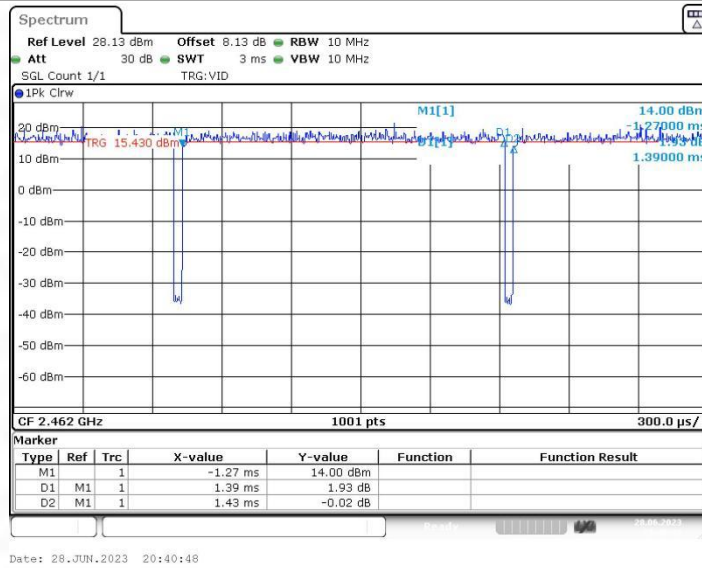
11G\_Ant1\_2412



11G\_Ant1\_2437



11G\_Ant1\_2462



11N20SISO\_Ant1\_2412