

FCC Test Report

FCC ID : XU8TEW817DTR
Equipment : AC750 Wireless Travel Router
Model No. : TEW-817DTR
Brand Name : TRENDnet
Applicant : TRENDnet, Inc.
Address : 20675 Manhattan Place, Torrance, CA 90501,
USA
Standard : 47 CFR FCC Part 15.247
Received Date : Sep. 04, 2014
Tested Date : Sep. 04 ~ Sep. 10, 2014

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

Approved & Reviewed by:



Gary Chang / Manager



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	7
1.3	Test Setup Chart	7
1.4	The Equipment List	8
1.5	Test Standards	9
1.6	Measurement Uncertainty	9
2	TEST CONFIGURATION	10
2.1	Testing Condition	10
2.2	The Worst Test Modes and Channel Details	10
3	TRANSMITTER TEST RESULTS.....	11
3.1	Conducted Emissions.....	11
3.2	6dB and Occupied Bandwidth	14
3.3	RF Output Power	17
3.4	Power Spectral Density	19
3.5	Unwanted Emissions into Restricted Frequency Bands	21
3.6	Emissions in Non-Restricted Frequency Bands.....	49
4	TEST LABORATORY INFORMATION	62

Release Record

Report No.	Version	Description	Issued Date
FR4N1401AC	Rev. 01	Initial issue	Mar. 06, 2015
FR4N1401AC	Rev. 02	Removed model of antenna. (Page 5)	Mar. 27, 2015

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.532MHz 42.87 (Margin -3.13dB) - AV	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 2483.50MHz 52.99 (Margin -1.01dB) – AV 2390.00MHz 52.99 (Margin -1.01dB) – AV	Pass
15.247(b)(3)	Maximum Output Power	Max Power [dBm]: 28.44	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
2400-2483.5	b	2412-2462	1-11 [11]	1 ^{NOTE 4}	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	1 ^{NOTE 4}	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15
Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: 802.11b uses a combination of DSSS-DBPSK, DQPSK, CCK modulation. Note 3: 802.11g/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 4: 802.11b/g is transmitting signal through chain 0 only.					

1.1.2 Antenna Details

Ant. No.	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
			2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	PIFA	N/A	2	3	3	3	3

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	100-240Vac
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1.1.4 Accessories

N/A

1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20		802.11n HT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	---	---
9	2452	---	---
10	2457	---	---
11	2462	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	MT7620, V1.0.6.0		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11b	100.00%	0.00
	11g	99.93%	0.00
	HT20	99.63%	0.02
	HT40	98.26%	0.08

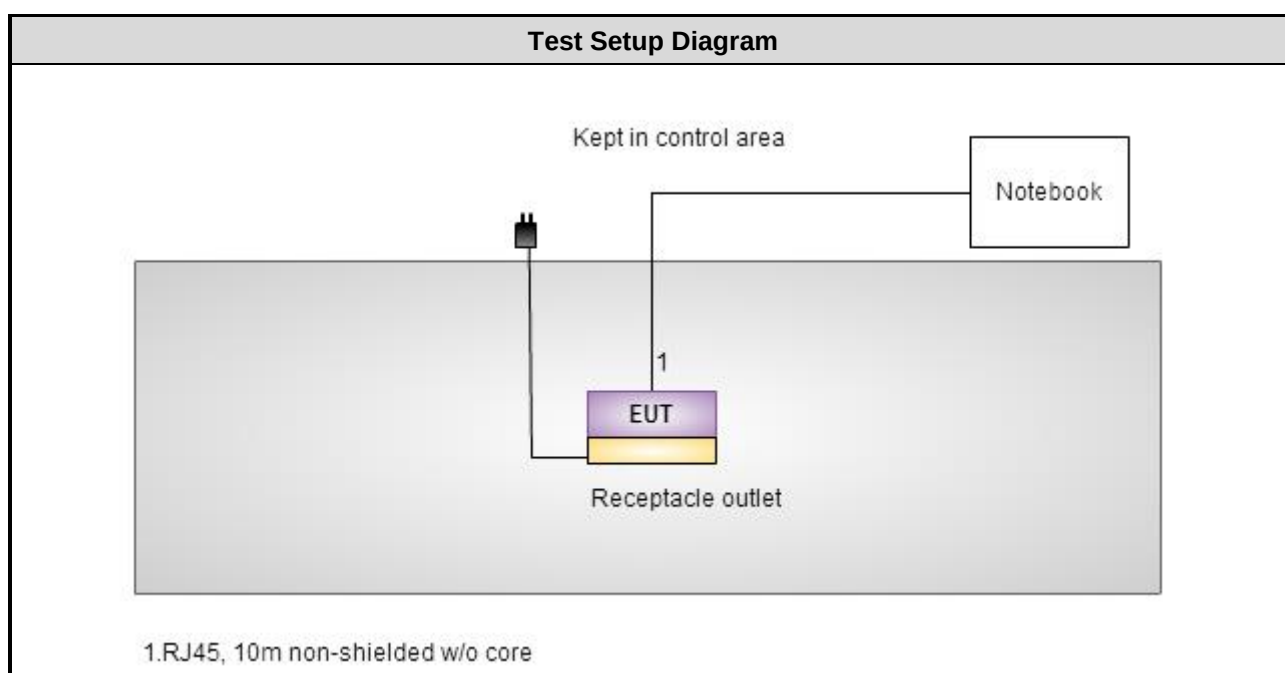
1.1.7 Power Setting

Modulation Mode	Test Frequency (MHz)	Power Set
11b	2412	14
11b	2437	12
11b	2462	12
11g	2412	10
11g	2437	20
11g	2462	11
HT20	2412	0F//13
HT20	2437	20/25
HT20	2462	10/15
HT40	2422	08/0D
HT40	2437	12/18
HT40	2452	09/0F

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	S/N	Signal cable / Length (m)
1	Notebook	DELL	Latitude E6440	3NXMD12	RJ45, 10m non-shielded w/o core

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
EMC Receiver	R&S	ESCS 30	100169	Oct. 15, 2013	Oct. 14, 2014
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Nov. 23, 2013	Nov. 22, 2014
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2013	Dec. 03, 2014
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Apr. 23, 2014	Apr. 22, 2015
50 ohm terminal (Support Unit)	NA	50	04	Apr. 18, 2014	Apr. 17, 2015
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Jan. 25, 2014	Jan. 24, 2015
Receiver	R&S	ESR3	101658	Jan. 10, 2014	Jan. 09, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 03, 2014	Jan. 02, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 13, 2014	Feb. 12, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014
Amplifier	Burgeon	BPA-530	100219	Nov. 22, 2013	Nov. 21, 2014
Preamplifier	Agilent	83017A	MY39501308	Dec. 16, 2013	Dec. 15, 2014
Preamplifier	EMC	EMC184045B	980192	Aug. 26, 2014	Aug. 25, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 16, 2013	Dec. 15, 2014
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Dec. 16, 2013	Dec. 15, 2014
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Dec. 16, 2013	Dec. 15, 2014
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Note: Calibration Interval of instruments listed above is two year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2014	Feb. 16, 2015
Power Meter	Anritsu	ML2495A	1241002	Oct. 24, 2013	Oct. 23, 2014
Power Sensor	Anritsu	MA2411B	1027366	Oct. 24, 2013	Oct. 23, 2014
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

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

47 CFR FCC Part 15.247

ANSI C63.10-2009

FCC KDB 558074 D01 DTS Meas Guidance v03r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

1.6 Measurement Uncertainty

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

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.134 Hz
Conducted power	±0.808 dB
Frequency error	±34.134 Hz
Temperature	±0.6 °C
Conducted emission	±2.670 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.26 dB
Radiated emission > 1GHz	±4.94 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	20°C / 65%	Peter Lin
Radiated Emissions	03CH01-WS	22°C / 61-64%	Aska Huang
RF Conducted	TH01-WS	23°C / 64%	Brad Wu

➤ FCC site registration No.: 657002

➤ IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Conducted Emissions	HT20	2437	MCS 0	---
Radiated Emissions ≤1GHz	HT20	2437	MCS 0	---
Radiated Emissions >1GHz	11b	2412 / 2437 / 2462	1 Mbps	---
Maximum Output Power	11g	2412 / 2437 / 2462	6 Mbps	
6dB bandwidth	HT20	2412 / 2437 / 2462	MCS 0	
Power spectral density	HT40	2422 / 2437 / 2452	MCS 0	
NOTE:				
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report.				

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

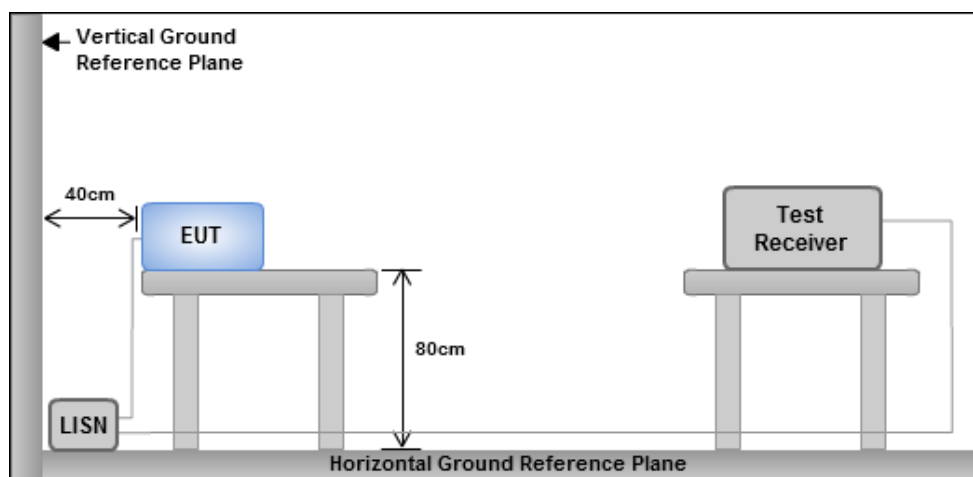
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

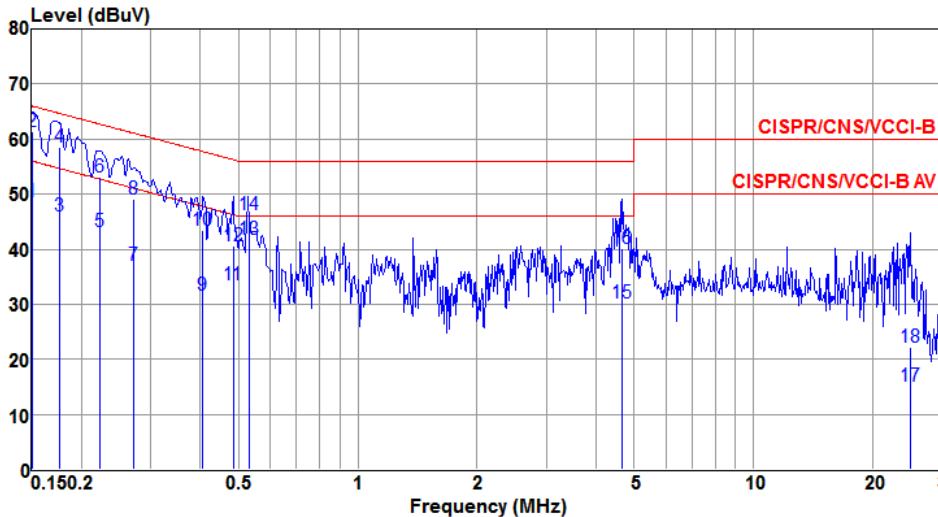
3.1.3 Test Setup



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

3.1.4 Test Result of Conducted Emissions

Modulation	HT20	Test Freq. (MHz)	2437
Power Phase	Line		

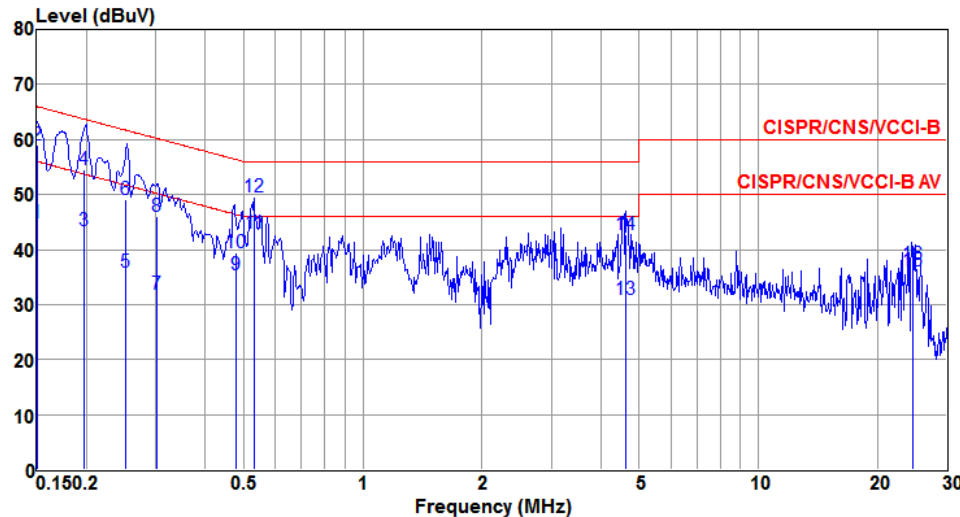


	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.150	48.65	56.00	-7.35	48.55	0.08	0.02	Average
2	0.150	61.32	66.00	-4.68	61.22	0.08	0.02	QP
3	0.176	46.14	54.68	-8.54	46.04	0.09	0.01	Average
4	0.176	58.45	64.68	-6.23	58.35	0.09	0.01	QP
5	0.222	43.31	52.74	-9.43	43.18	0.12	0.01	Average
6	0.222	53.12	62.74	-9.62	52.99	0.12	0.01	QP
7	0.270	37.17	51.11	-13.94	37.01	0.15	0.01	Average
8	0.270	49.14	61.11	-11.97	48.98	0.15	0.01	QP
9	0.406	31.52	47.73	-16.21	31.29	0.21	0.02	Average
10	0.406	43.37	57.73	-14.36	43.14	0.21	0.02	QP
11	0.484	33.60	46.27	-12.67	33.33	0.25	0.02	Average
12	0.484	40.62	56.27	-15.65	40.35	0.25	0.02	QP
13*	0.532	41.70	46.00	-4.30	41.41	0.27	0.02	Average
14	0.532	46.37	56.00	-9.63	46.08	0.27	0.02	QP
15	4.672	30.22	46.00	-15.78	29.21	0.84	0.17	Average
16	4.672	40.03	56.00	-15.97	39.02	0.84	0.17	QP
17	24.920	15.20	50.00	-34.80	12.59	2.16	0.45	Average
18	24.920	22.08	60.00	-37.92	19.47	2.16	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	HT20	Test Freq. (MHz)	2437
Power Phase	Neutral		



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	LISN factor dB	cable loss dB	Remark
1	0.150	44.88	56.00	-11.12	44.78	0.08	0.02	Average
2	0.150	58.90	66.00	-7.10	58.80	0.08	0.02	QP
3	0.197	43.36	53.72	-10.36	43.27	0.08	0.01	Average
4	0.197	54.50	63.72	-9.22	54.41	0.08	0.01	QP
5	0.252	35.81	51.69	-15.88	35.71	0.09	0.01	Average
6	0.252	49.07	61.69	-12.62	48.97	0.09	0.01	QP
7	0.300	31.94	50.24	-18.30	31.82	0.10	0.02	Average
8	0.300	45.92	60.24	-14.32	45.80	0.10	0.02	QP
9	0.477	35.43	46.38	-10.95	35.29	0.12	0.02	Average
10	0.477	39.47	56.38	-16.91	39.33	0.12	0.02	QP
11*	0.532	42.87	46.00	-3.13	42.72	0.13	0.02	Average
12	0.532	49.61	56.00	-6.39	49.46	0.13	0.02	QP
13	4.622	30.82	46.00	-15.18	30.45	0.20	0.17	Average
14	4.622	42.76	56.00	-13.24	42.39	0.20	0.17	QP
15	24.529	36.07	50.00	-13.93	34.12	1.51	0.44	Average
16	24.529	37.27	60.00	-22.73	35.32	1.51	0.44	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

3.2 6dB and Occupied Bandwidth

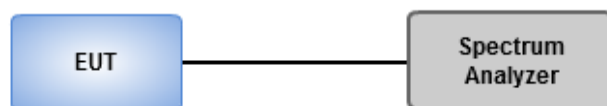
3.2.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.2.2 Test Procedures

1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

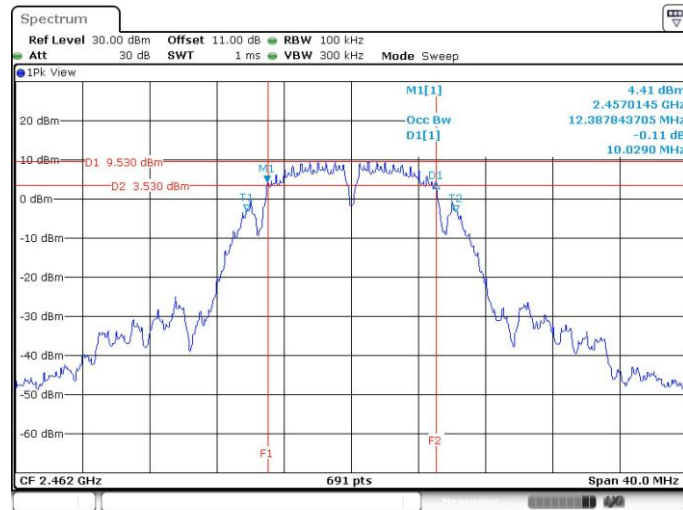
3.2.3 Test Setup



3.2.4 Test Result of 6dB and Occupied Bandwidth

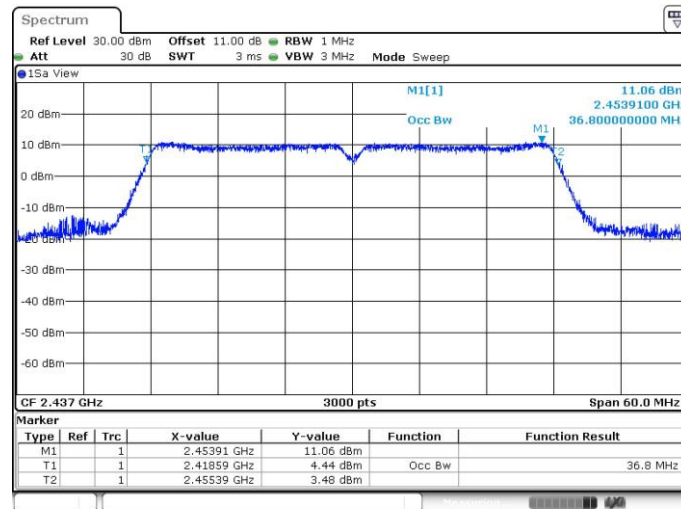
Modulation Mode	N _{TX}	Freq. (MHz)	6dB Bandwidth (MHz)				Limit (kHz)
			Chain 0	Chain 1	Chain 2	Chain 3	
11b	1	2412	10.09	---	---	---	500
11b	1	2437	10.09	---	---	---	500
11b	1	2462	10.03	---	---	---	500
11g	1	2412	16.35	---	---	---	500
11g	1	2437	16.35	---	---	---	500
11g	1	2462	16.35	---	---	---	500
HT20	2	2412	17.57	17.10	---	---	500
HT20	2	2437	17.04	17.04	---	---	500
HT20	2	2462	17.33	17.57	---	---	500
HT40	2	2422	36.29	36.29	---	---	500
HT40	2	2437	36.29	36.29	---	---	500
HT40	2	2452	36.29	36.29	---	---	500

Worst Plots



Modulation Mode	N _{TX}	Freq. (MHz)	99% Occupied Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
11b	1	2412	12.45	---	---	---
11b	1	2437	12.37	---	---	---
11b	1	2462	12.37	---	---	---
11g	1	2412	16.97	---	---	---
11g	1	2437	20.84	---	---	---
11g	1	2462	16.98	---	---	---
HT20	2	2412	17.76	17.74	---	---
HT20	2	2437	18.58	18.27	---	---
HT20	2	2462	17.77	17.75	---	---
HT40	2	2422	36.68	36.68	---	---
HT40	2	2437	36.80	36.76	---	---
HT40	2	2452	36.76	36.76	---	---

Worst Plots



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

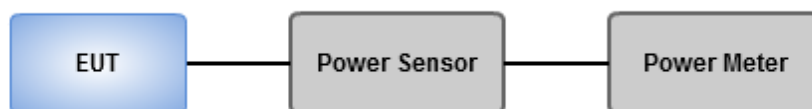
- ☒ Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.
- ☐ Antenna gain $> 6\text{dBi}$
 - ☐ Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB
 - ☐ Fixed, point to point operations
Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 5725–5850 MHz band that are used exclusively for fixed, point-to-point operations ,no any corresponding reduction is in transmitter peak output power

3.3.2 Test Procedures

- ☒ Maximum Peak Conducted Output Power
 - ☐ **Spectrum analyzer**
 1. Set RBW = 1MHz, VBW = 3MHz, Detector = Peak.
 2. Sweep time = auto, Trace mode = max hold, Allow trace to fully stabilize.
 3. Use the spectrum analyzer channel power measurement function with the band limits set equal to the DTS bandwidth edges.
 - ☒ **Power meter**
 1. A broadband Peak RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.
- ☒ Maximum Conducted Output Power (For reference only)
 - ☒ **Power meter**
 1. A broadband Average RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Output Power

Modulation Mode	N _{TX}	Freq. (MHz)	Peak conducted output power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11b	1	2412	23.49	---	---	---	223.357	23.49	30.00
11b	1	2437	22.98	---	---	---	198.609	22.98	30.00
11b	1	2462	22.76	---	---	---	188.799	22.76	30.00
11g	1	2412	25.10	---	---	---	323.594	25.10	30.00
11g	1	2437	26.31	---	---	---	427.563	26.31	30.00
11g	1	2462	24.92	---	---	---	310.456	24.92	30.00
HT20	2	2412	24.12	24.17	---	---	519.442	27.16	30.00
HT20	2	2437	25.49	25.37	---	---	698.347	28.44	30.00
HT20	2	2462	23.89	24.09	---	---	501.355	27.00	30.00
HT40	2	2422	21.36	21.30	---	---	271.669	24.34	30.00
HT40	2	2437	23.88	24.15	---	---	504.359	27.03	30.00
HT40	2	2452	21.66	21.88	---	---	300.725	24.78	30.00

Modulation Mode	N _{TX}	Freq. (MHz)	Conducted (average) output power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11b	1	2412	20.28	---	---	---	106.660	20.28	30.00
11b	1	2437	19.52	---	---	---	89.536	19.52	30.00
11b	1	2462	19.41	---	---	---	87.297	19.41	30.00
11g	1	2412	18.12	---	---	---	64.863	18.12	30.00
11g	1	2437	22.47	---	---	---	176.604	22.47	30.00
11g	1	2462	18.22	---	---	---	66.374	18.22	30.00
HT20	2	2412	16.68	16.85	---	---	94.976	19.78	30.00
HT20	2	2437	20.76	20.65	---	---	235.269	23.72	30.00
HT20	2	2462	16.55	16.72	---	---	92.175	19.65	30.00
HT40	2	2422	13.82	13.71	---	---	47.595	16.78	30.00
HT40	2	2437	17.18	17.42	---	---	107.447	20.31	30.00
HT40	2	2452	14.27	14.29	---	---	53.584	17.29	30.00

Note: Conducted average output power is for reference only.

3.4 Power Spectral Density

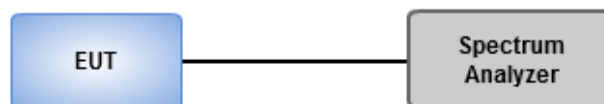
3.4.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.4.2 Test Procedures

- ☒ Maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 30kHz, VBW = 100kHz.
 2. Detector = Peak, Sweep time = auto couple.
 3. Trace mode = max hold, allow trace to fully stabilize.
 4. Use the peak marker function to determine the maximum amplitude level.
- ☐ Maximum (average) conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 100kHz, VBW = 300 kHz.
 2. Detector = RMS, Sweep time = auto couple.
 3. Set the sweep time to: $\geq 10 \times (\text{number of measurement points in sweep}) \times (\text{maximum data rate per stream})$.
 4. Perform the measurement over a single sweep.
 5. Use the peak marker function to determine the maximum amplitude level.

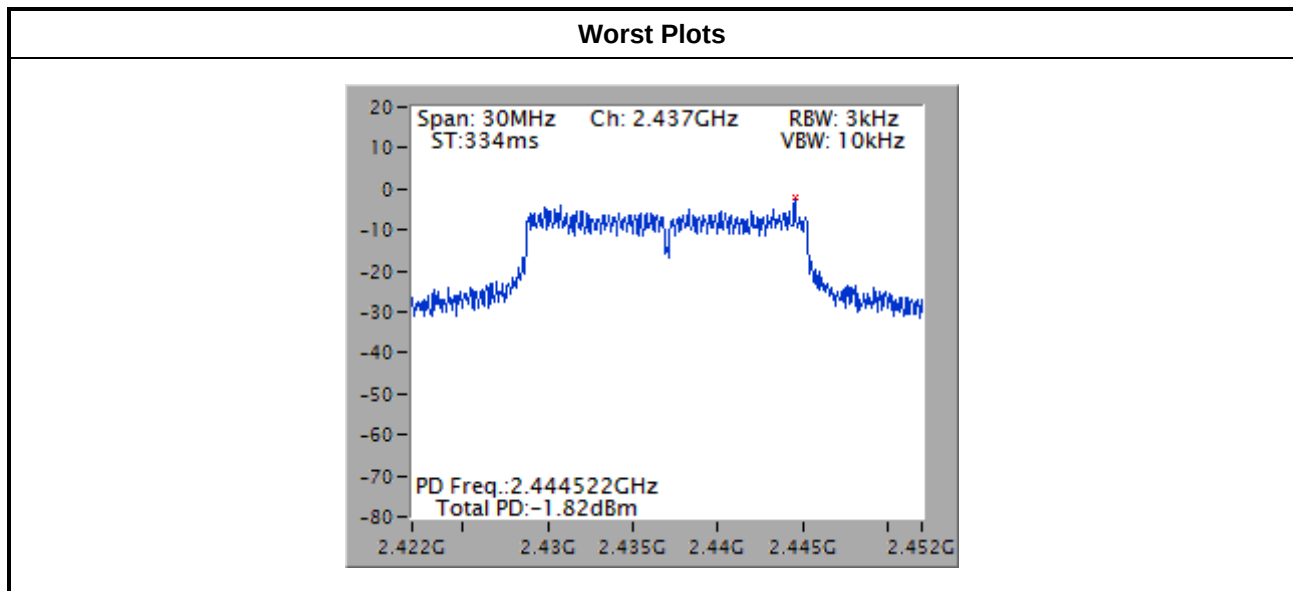
3.4.3 Test Setup



3.4.4 Test Result of Power Spectral Density

Modulation Mode	N _{TX}	Freq. (MHz)	Total Power Spectral Density (dBm/30kHz)	Limit (dBm/3kHz)
11b	1	2412	-8.68	8.00
11b	1	2437	-9.47	8.00
11b	1	2462	-9.67	8.00
11g	1	2412	-8.14	8.00
11g	1	2437	-1.82	8.00
11g	1	2462	-8.64	8.00
HT20	2	2412	-6.40	8.00
HT20	2	2437	-2.44	8.00
HT20	2	2462	-6.34	8.00
HT40	2	2422	-12.54	8.00
HT40	2	2437	-9.39	8.00
HT40	2	2452	-10.36	8.00

Note: Test result for HT20 / HT40 is bin-by-bin summing measured value of each TX port.



3.5 Unwanted Emissions into Restricted Frequency Bands

3.5.1 Limit of Unwanted Emissions into Restricted Frequency Bands

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

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.5.2 Test Procedures

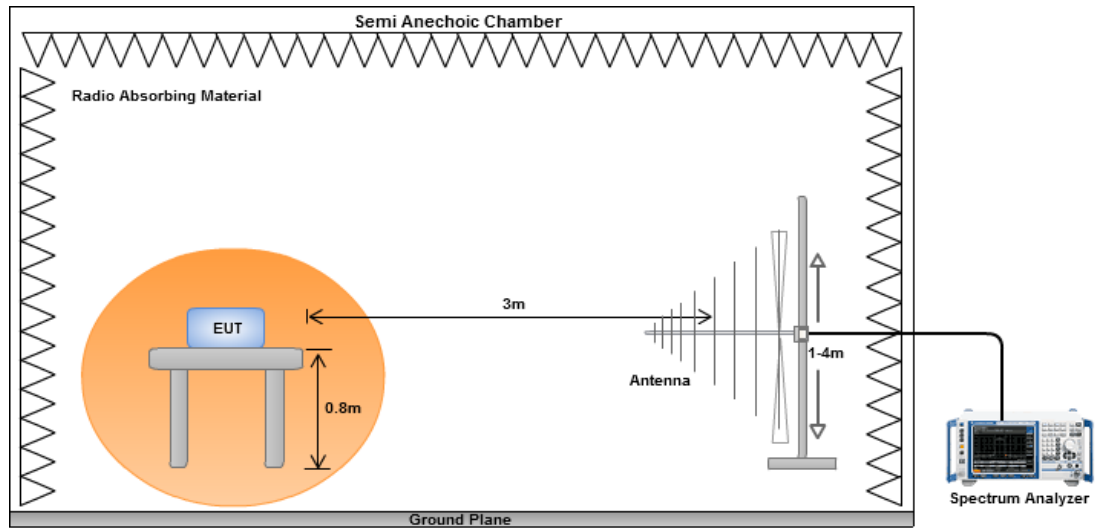
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Note:

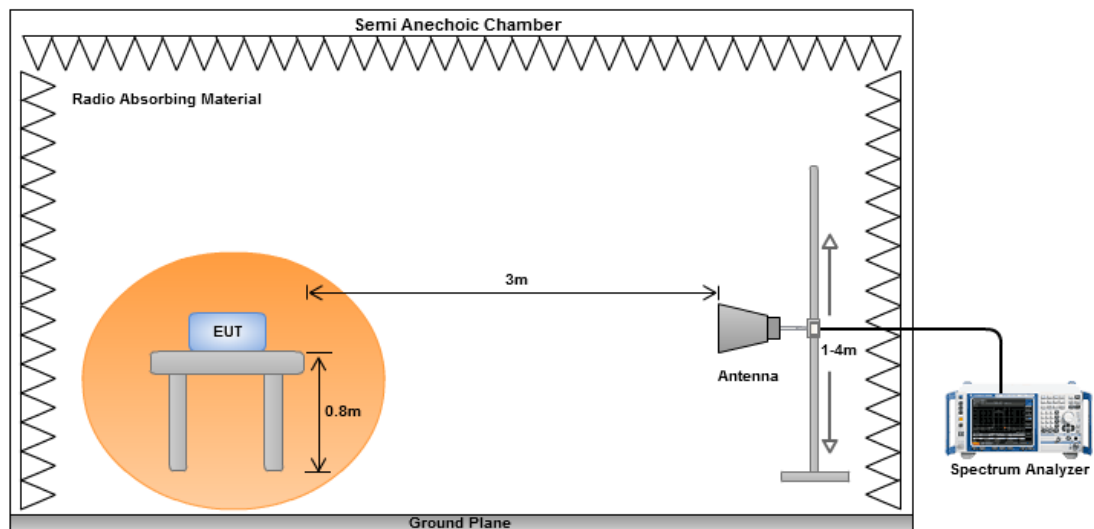
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBuV/m)			

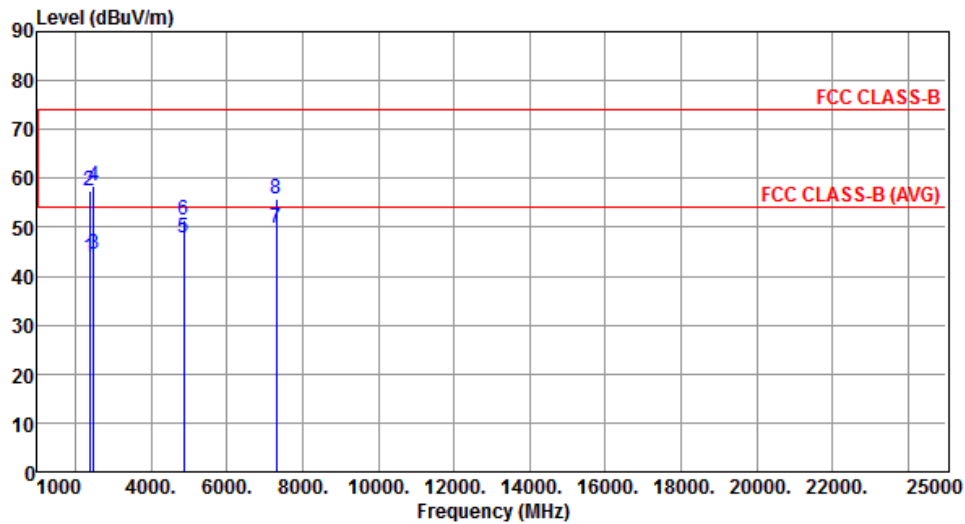
Modulation	HT20		Test Freq. (MHz)		2437	
Polarization	Vertical					
Level (dBuV/m)						

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11b

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal		
Level (dBuV/m) 90 80 70 60 50 40 30 20 10 0 1000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000 25000 Frequency (MHz) 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 45.43 46.84 62.03 51.20 54.00 54.00 54.00 74.00 74.00 -16.07 -8.57 -7.16 -11.97 -22.80 44.68 49.11 41.85 65.71 46.21 -6.75 -3.68 4.99 -3.68 4.99 Average Peak Average Peak Average Peak --- --- --- --- --- --- --- --- --- --- --- --- 1 2 3 4 5 6 1608.00 2390.00 4824.00 37.93 <			

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical		
Level (dBUV/m) </			

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	43.75	54.00	-10.25	47.43	-3.68	Average	---	---
2	2390.00	57.52	74.00	-16.48	61.20	-3.68	Peak	---	---
3	2483.50	44.54	54.00	-9.46	47.84	-3.30	Average	---	---
4	2483.50	58.56	74.00	-15.44	61.86	-3.30	Peak	---	---
5	4874.00	47.91	54.00	-6.09	42.81	5.10	Average	---	---
6	4874.00	51.41	74.00	-22.59	46.31	5.10	Peak	---	---
7	7311.00	49.86	54.00	-4.14	40.53	9.33	Average	---	---
8	7311.00	55.77	74.00	-18.23	46.44	9.33	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBUV/m) </			

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical		
Level (dBuV/m) </			

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11g

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal		
Level (dBuV/m) 90 80 70 60 50 40 30 20 10 0 1 2 3 4 5 6 1000 4000 8000 10000 12000 14000 16000 18000 20000 22000 25000 <			

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBUV/m)			

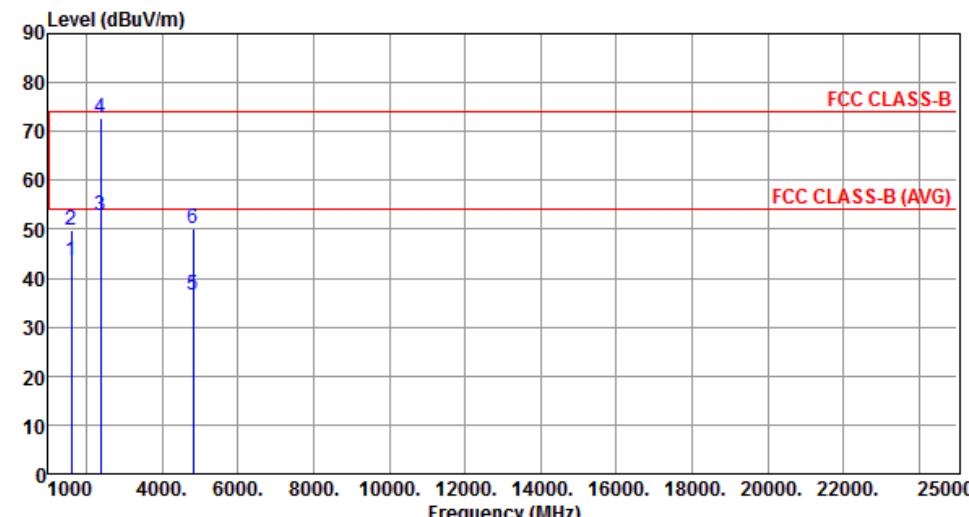
Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal		
Level (dBUV/m)			

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical		
Level (dBuV/m) </			

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

Modulation	HT20		Test Freq. (MHz)		2412																																																																							
Polarization	Horizontal																																																																											
Level (dBuV/m) 90 80 70 60 50 40 30 20 10 0 1 2 3 4 5 6 1000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000 25000 Frequency (MHz) FCC CLASS-B FCC CLASS-B (AVG) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>1608.00</td><td>41.68</td><td>54.00</td><td>-12.32</td><td>48.43</td><td>-6.75</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1608.00</td><td>48.87</td><td>74.00</td><td>-25.13</td><td>55.62</td><td>-6.75</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2390.00</td><td>52.76</td><td>54.00</td><td>-1.24</td><td>56.44</td><td>-3.68</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2390.00</td><td>72.62</td><td>74.00</td><td>-1.38</td><td>76.30</td><td>-3.68</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4824.00</td><td>35.37</td><td>54.00</td><td>-18.63</td><td>30.38</td><td>4.99</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4824.00</td><td>49.05</td><td>74.00</td><td>-24.95</td><td>44.06</td><td>4.99</td><td>Peak</td><td>---</td><td>---</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	1608.00	41.68	54.00	-12.32	48.43	-6.75	Average	---	---	2	1608.00	48.87	74.00	-25.13	55.62	-6.75	Peak	---	---	3	2390.00	52.76	54.00	-1.24	56.44	-3.68	Average	---	---	4	2390.00	72.62	74.00	-1.38	76.30	-3.68	Peak	---	---	5	4824.00	35.37	54.00	-18.63	30.38	4.99	Average	---	---	6	4824.00	49.05	74.00	-24.95	44.06	4.99	Peak	---	---
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																			
1	1608.00	41.68	54.00	-12.32	48.43	-6.75	Average	---	---																																																																			
2	1608.00	48.87	74.00	-25.13	55.62	-6.75	Peak	---	---																																																																			
3	2390.00	52.76	54.00	-1.24	56.44	-3.68	Average	---	---																																																																			
4	2390.00	72.62	74.00	-1.38	76.30	-3.68	Peak	---	---																																																																			
5	4824.00	35.37	54.00	-18.63	30.38	4.99	Average	---	---																																																																			
6	4824.00	49.05	74.00	-24.95	44.06	4.99	Peak	---	---																																																																			
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																												

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1608.00	43.46	54.00	-10.54	50.21	-6.75	Average	---	---
2	1608.00	49.97	74.00	-24.03	56.72	-6.75	Peak	---	---
3	2390.00	52.74	54.00	-1.26	56.42	-3.68	Average	---	---
4	2390.00	72.84	74.00	-1.16	76.52	-3.68	Peak	---	---
5	4824.00	36.41	54.00	-17.59	31.42	4.99	Average	---	---
6	4824.00	50.23	74.00	-23.77	45.24	4.99	Peak	---	---

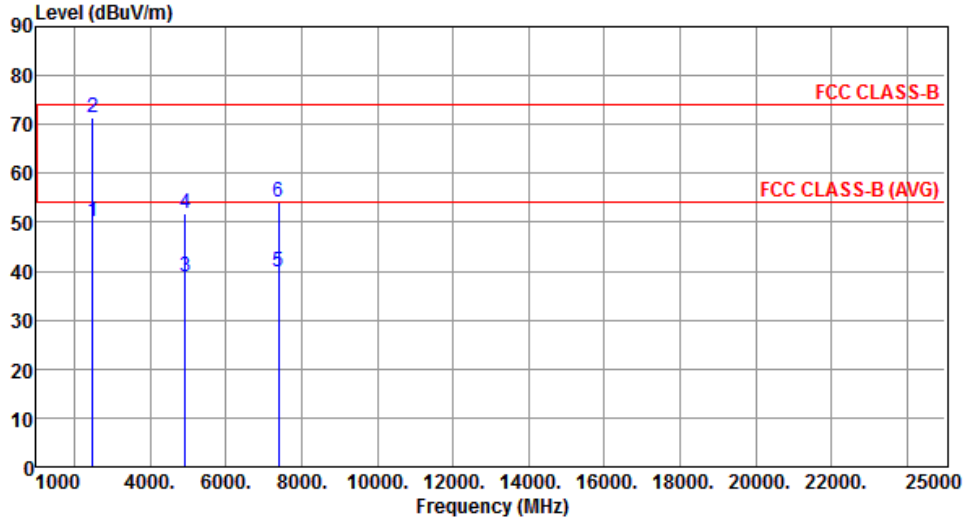
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBUV/m) </			

Modulation	HT20		Test Freq. (MHz)		2462	
Polarization	Horizontal					
Level (dBUV/m)						

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	50.23	54.00	-3.77	53.53	-3.30	Average	---	---
2	2483.50	71.34	74.00	-2.66	74.64	-3.30	Peak	---	---
3	4924.00	38.82	54.00	-15.18	33.62	5.20	Average	---	---
4	4924.00	51.73	74.00	-22.27	46.53	5.20	Peak	---	---
5	7386.00	39.82	54.00	-14.18	30.43	9.39	Average	---	---
6	7386.00	54.01	74.00	-19.99	44.62	9.39	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

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

Modulation	HT40		Test Freq. (MHz)		2422	
Polarization	Horizontal					
Level (dBUV/m)						

Modulation	HT40	Test Freq. (MHz)	2422
Polarization	Vertical		
Level (dBUV/m) </			

Modulation	HT40	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	HT40	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	HT40	Test Freq. (MHz)	2452
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	HT40	Test Freq. (MHz)	2452
Polarization	Vertical		
Level (dBUV/m) </			

3.6 Emissions in Non-Restricted Frequency Bands

3.6.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

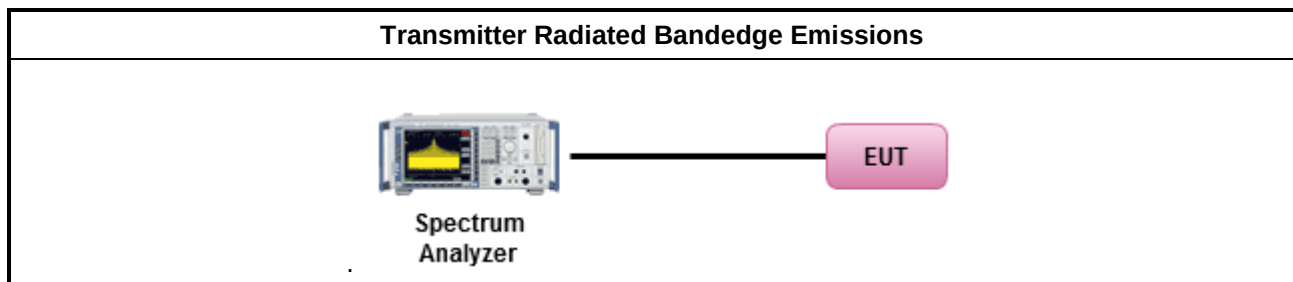
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.6.4 Test Setup

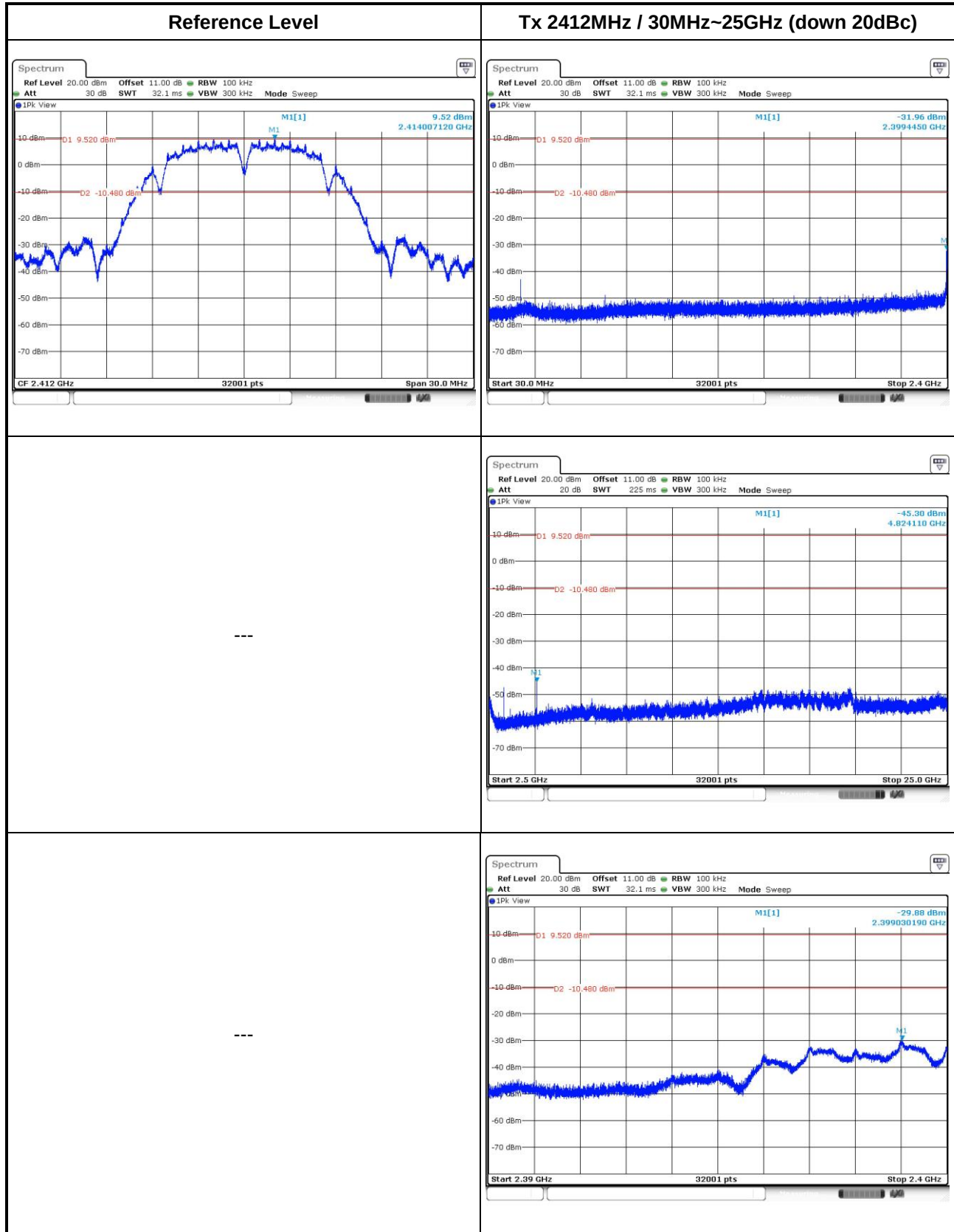


3.6.5 Test Result of Emissions in non-restricted frequency bands

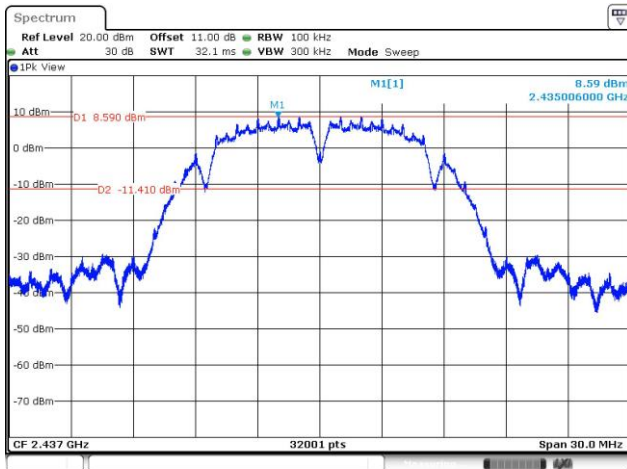
This test item is performed on each TX output individually without summing or adding $10 \log(N_{ANT})$ since measurements are made relative to the in-band emissions on the individual outputs. Only worst test result of each operating mode is presented.

3.6.6 Unwanted Emissions into Non-Restricted Frequency Bands

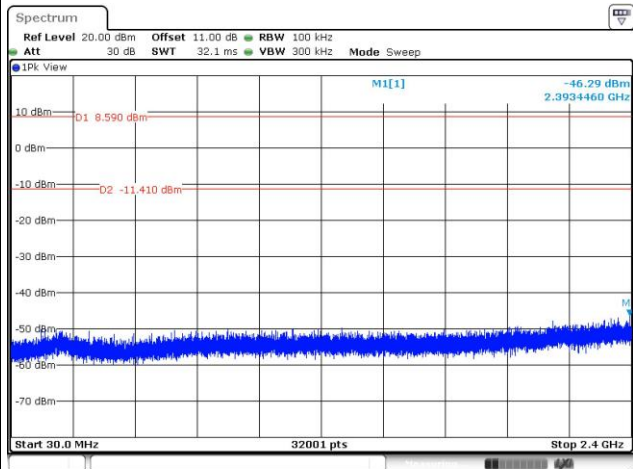
802.11b

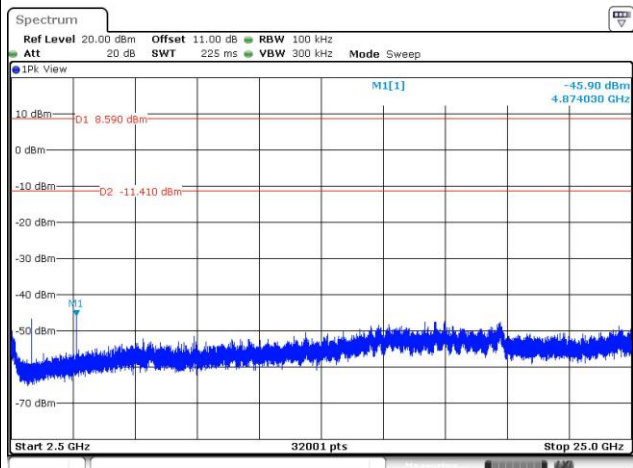


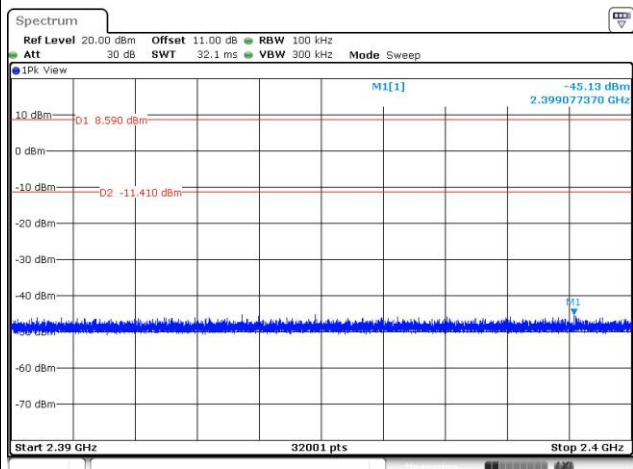
Reference Level



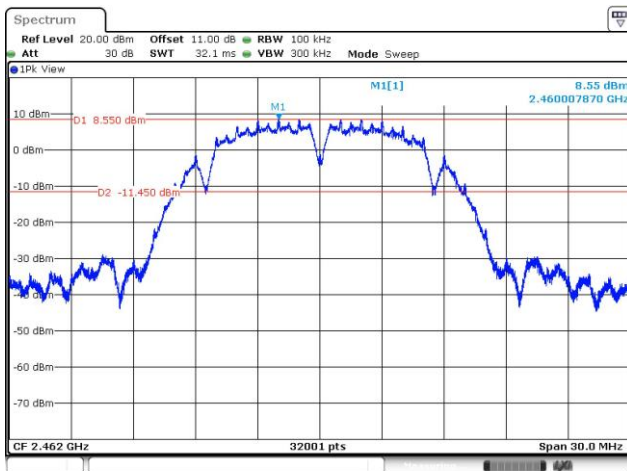
Tx 2437MHz / 30MHz~25GHz (down 20dBc)



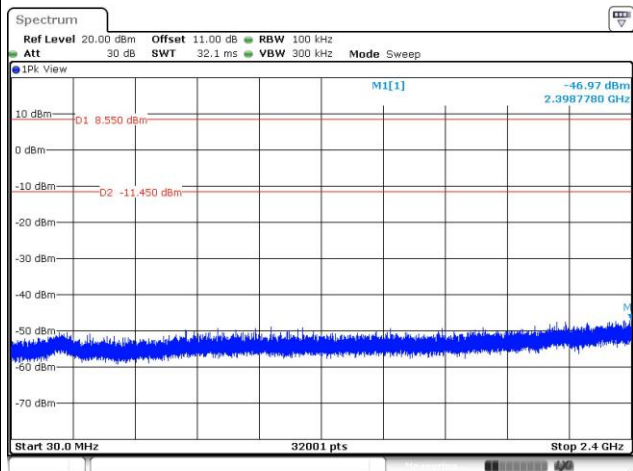


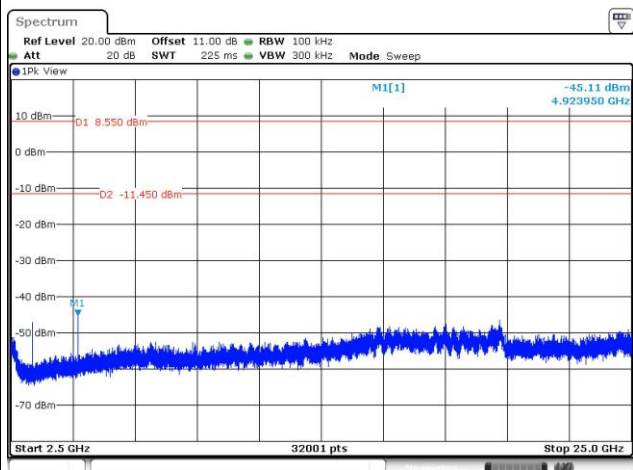


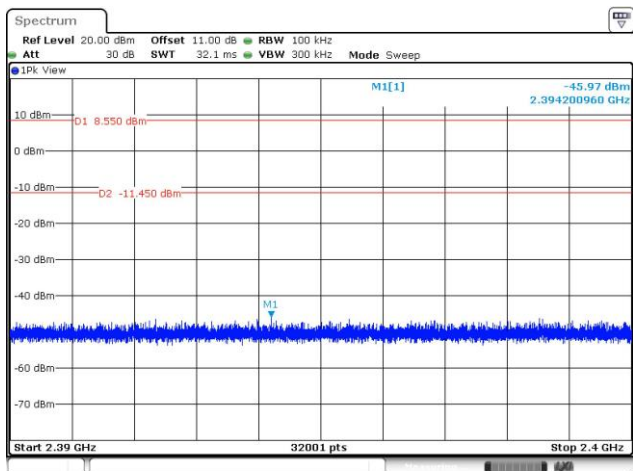
Reference Level



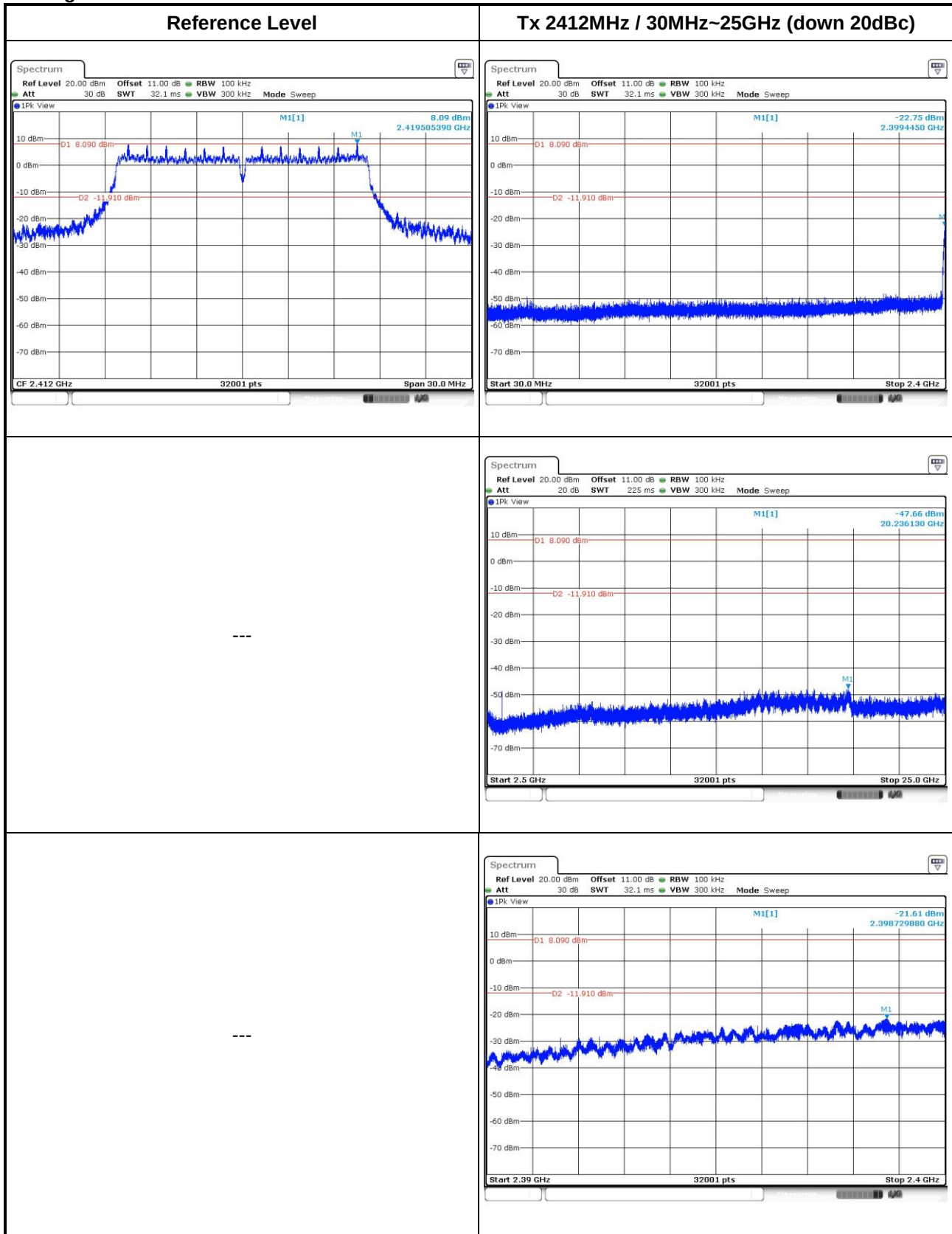
Tx 2462MHz / 30MHz~25GHz (down 20dBc)



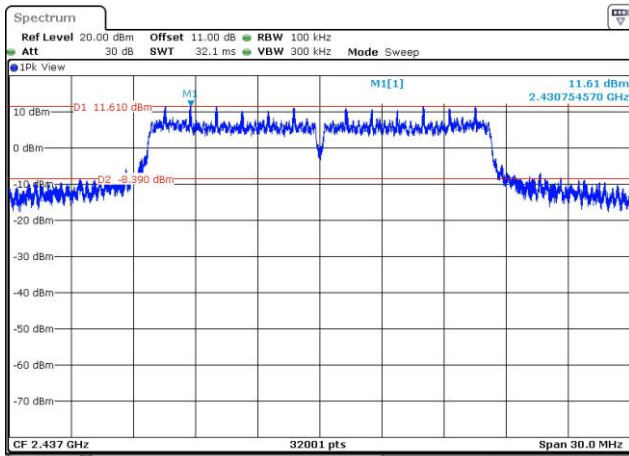




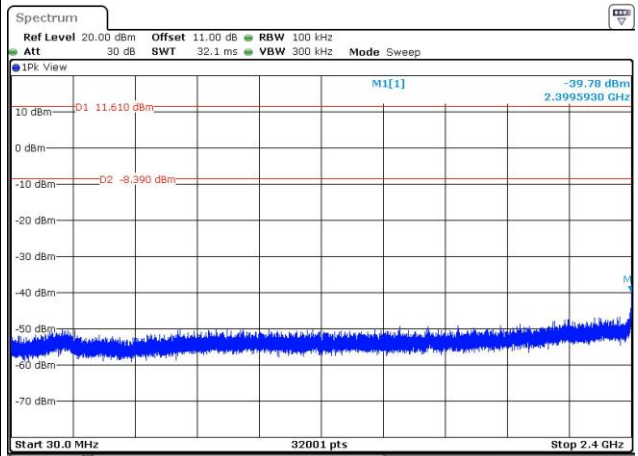
802.11g

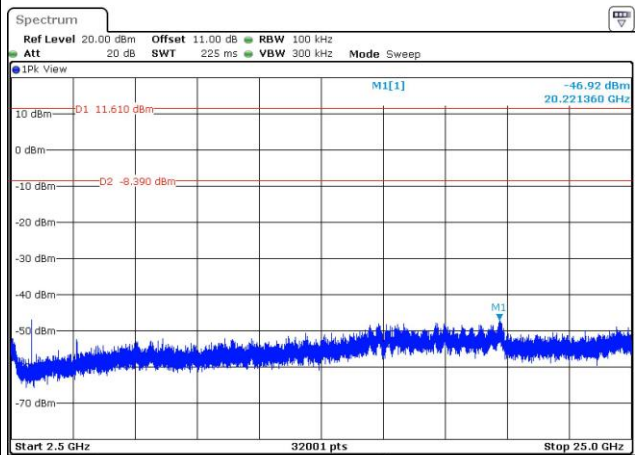


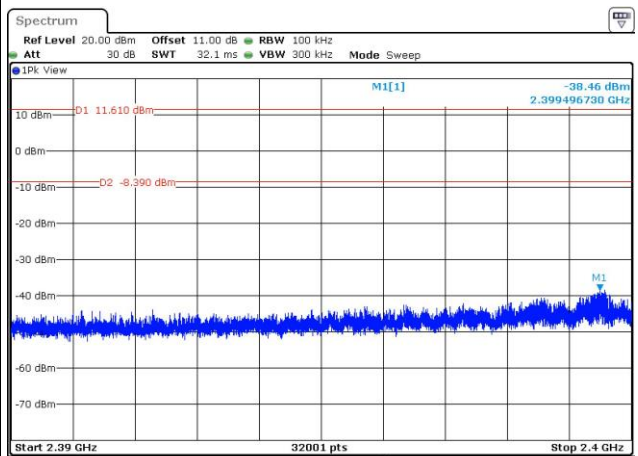
Reference Level

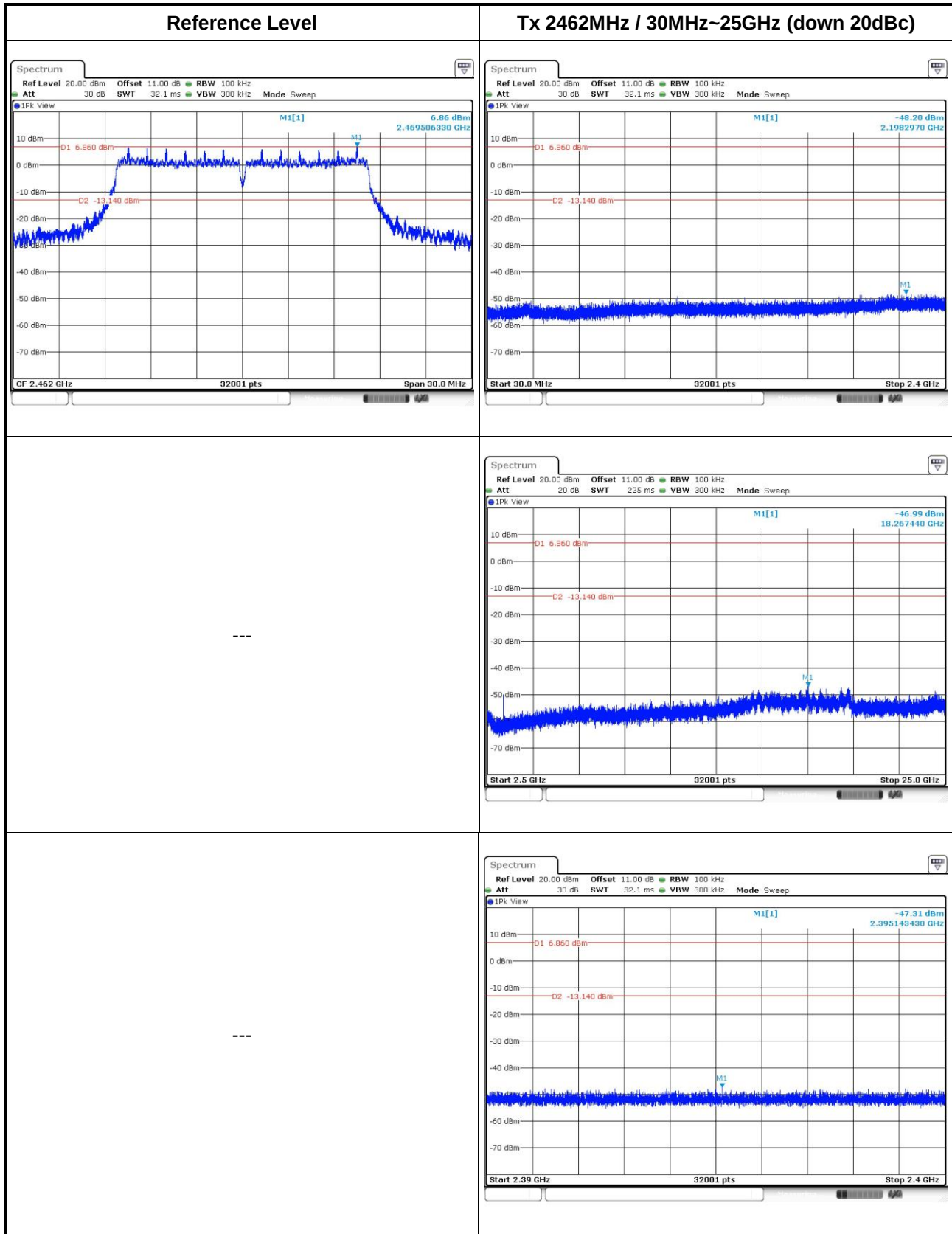


Tx 2437MHz / 30MHz~25GHz (down 20dBc)

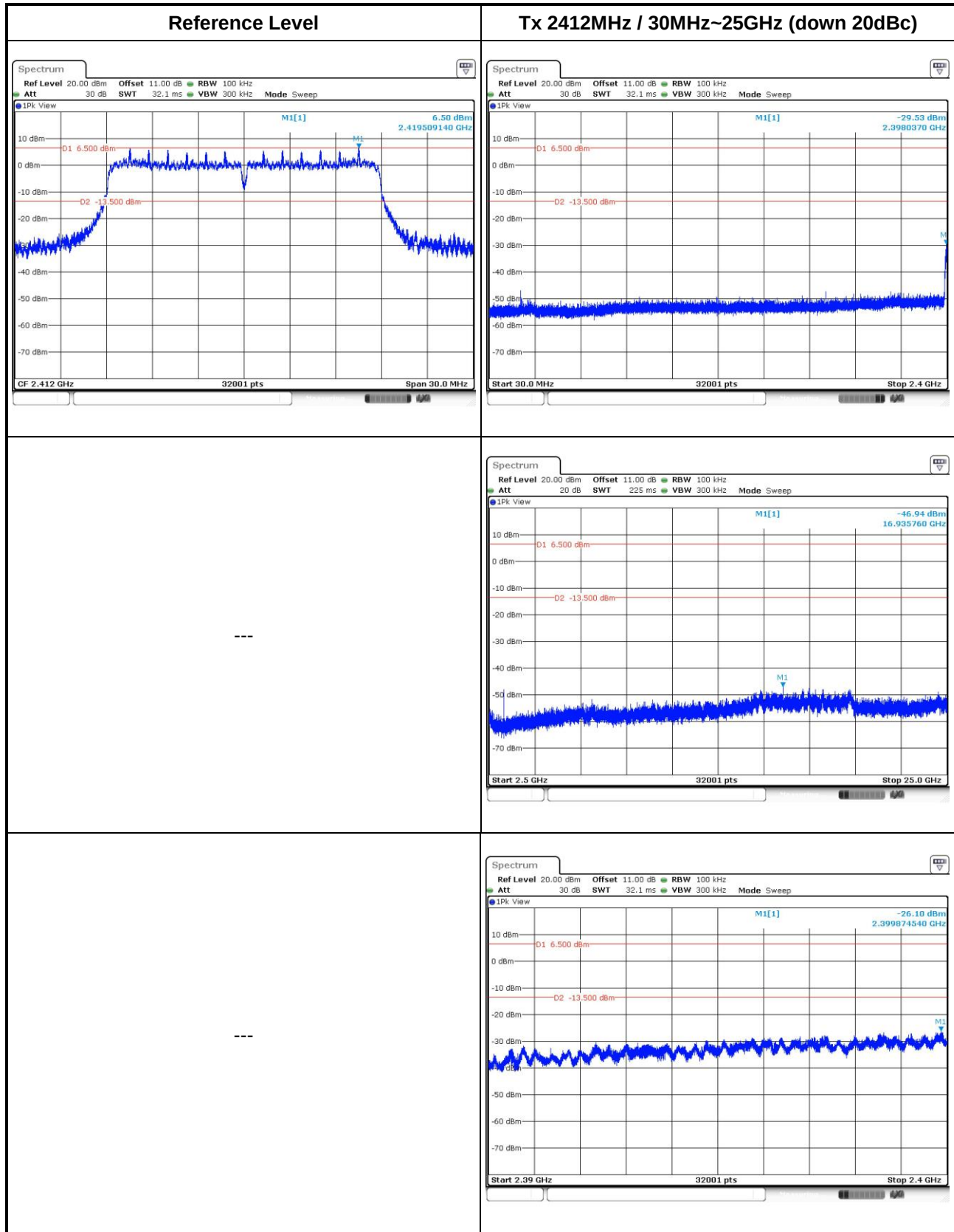


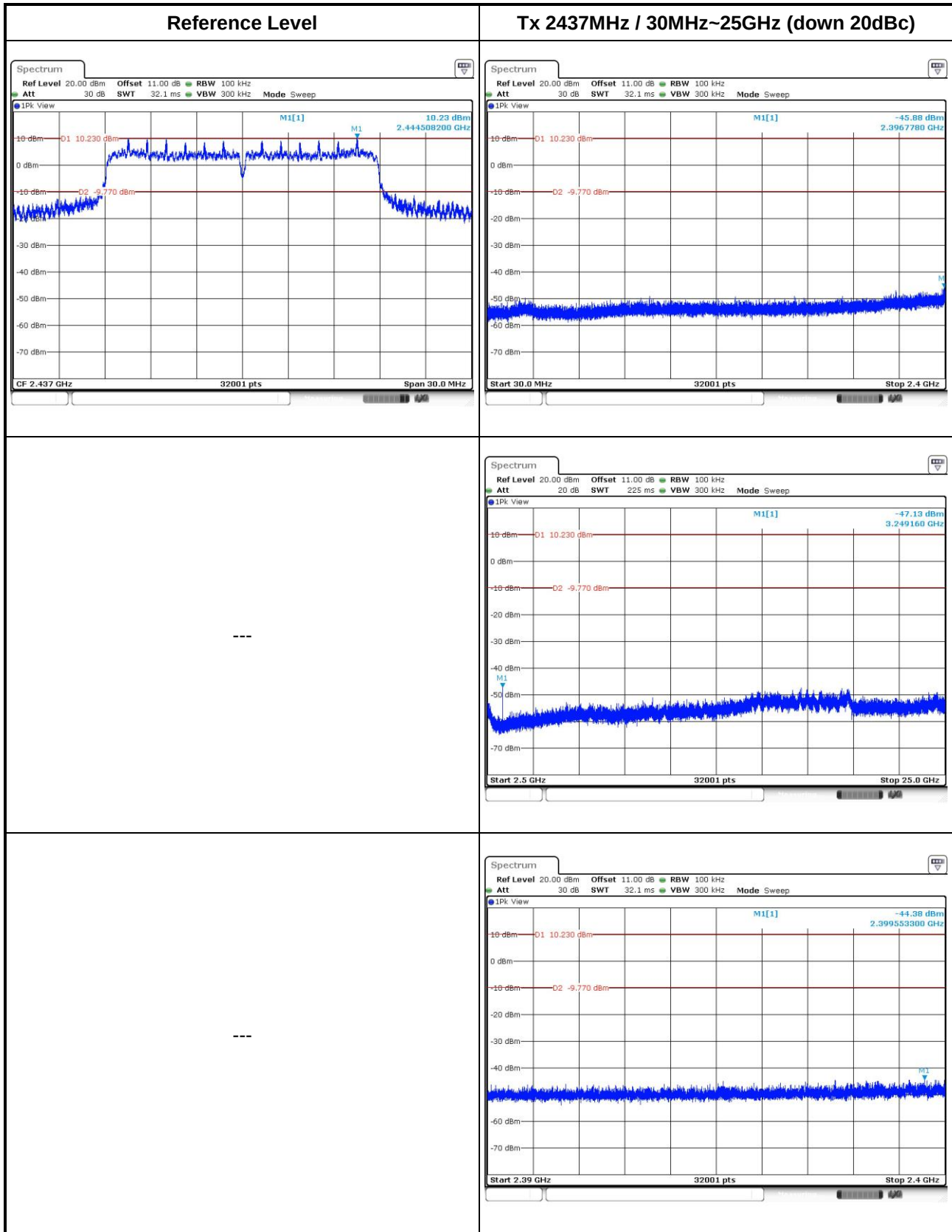


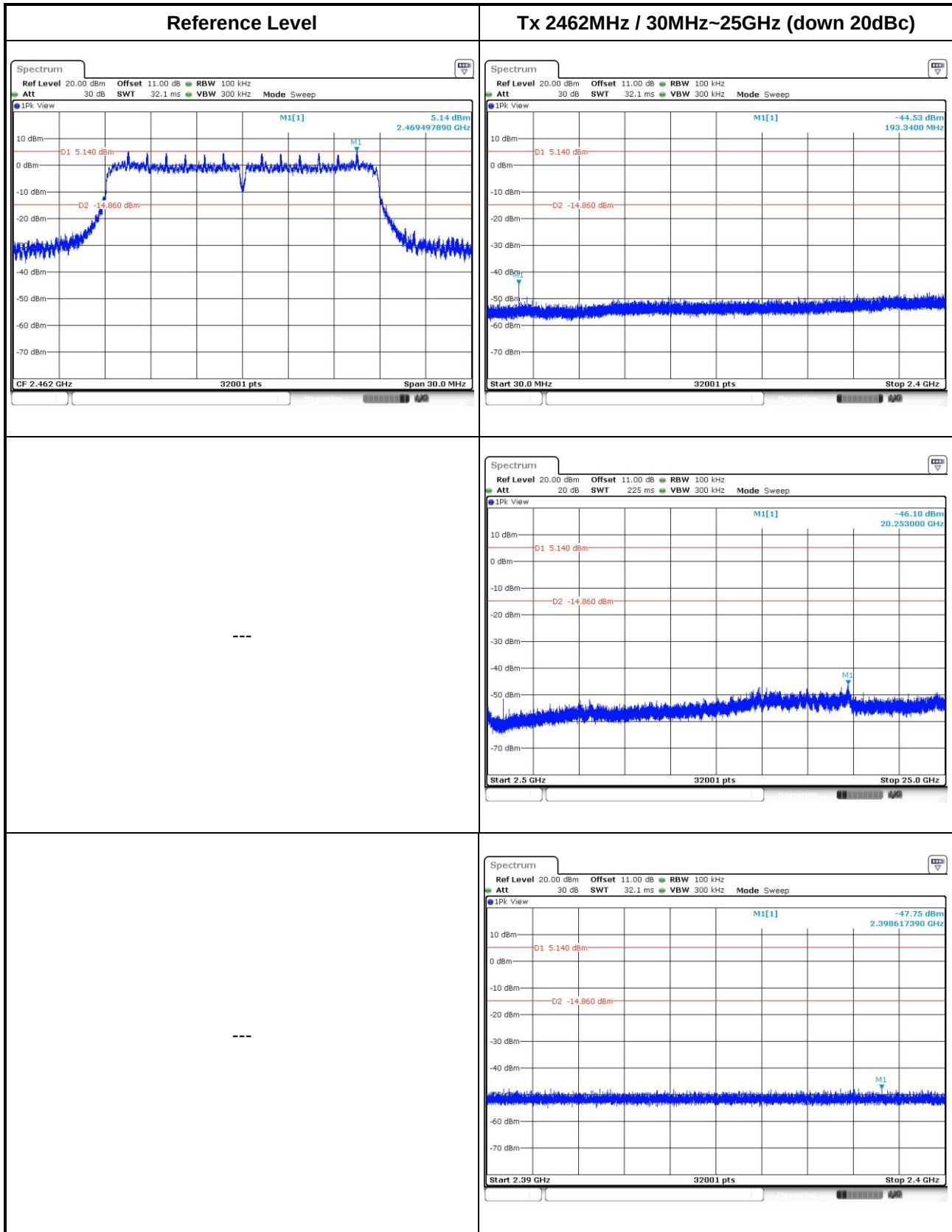




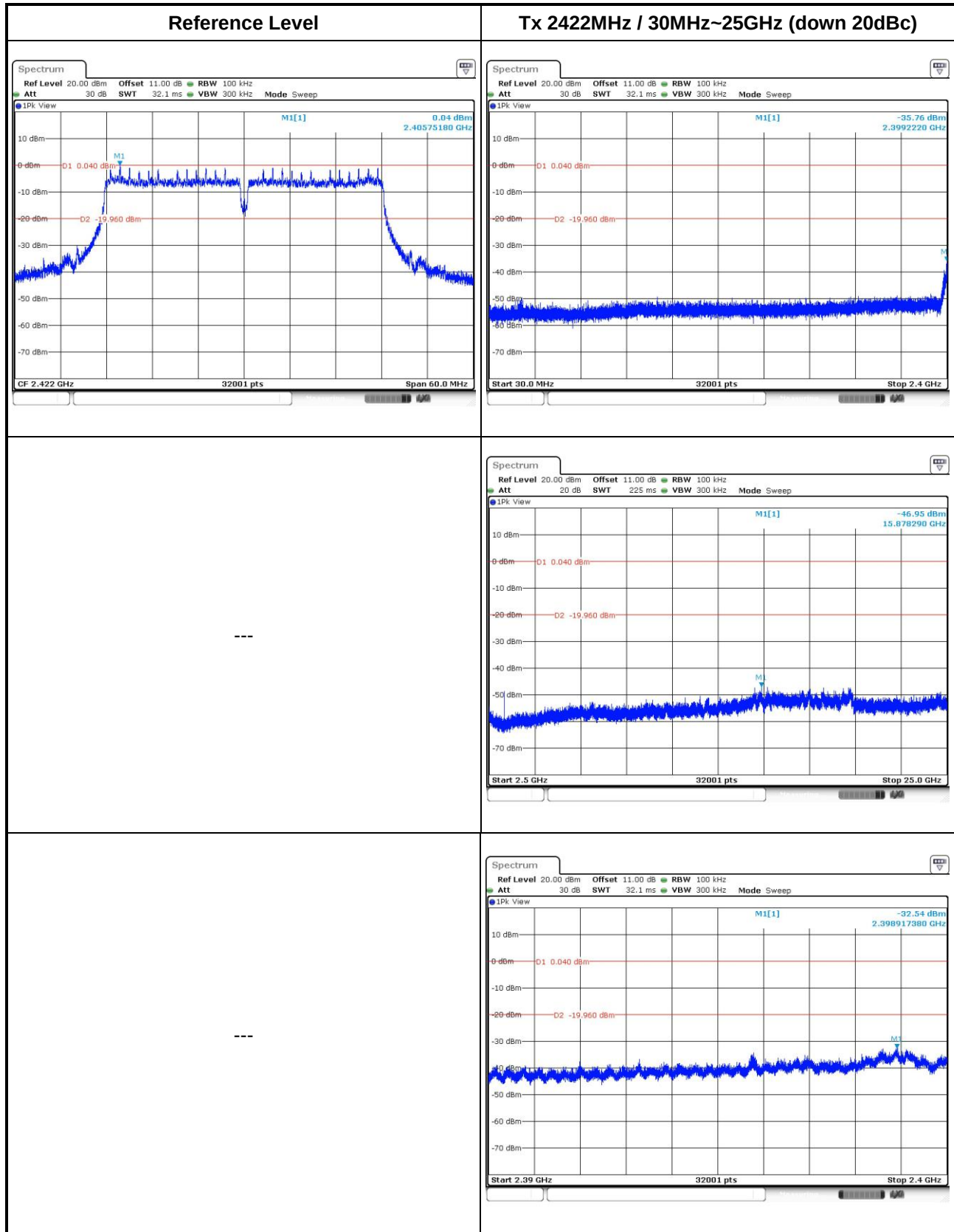
802.11n HT20



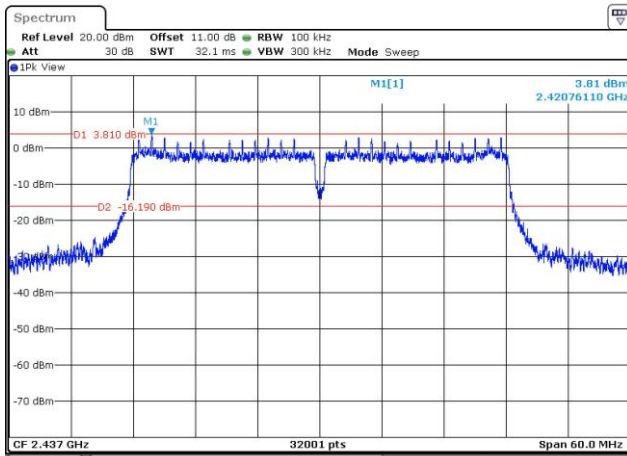




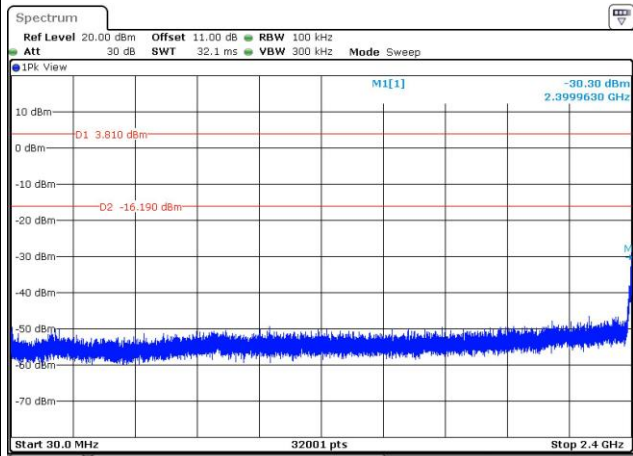
802.11n HT40

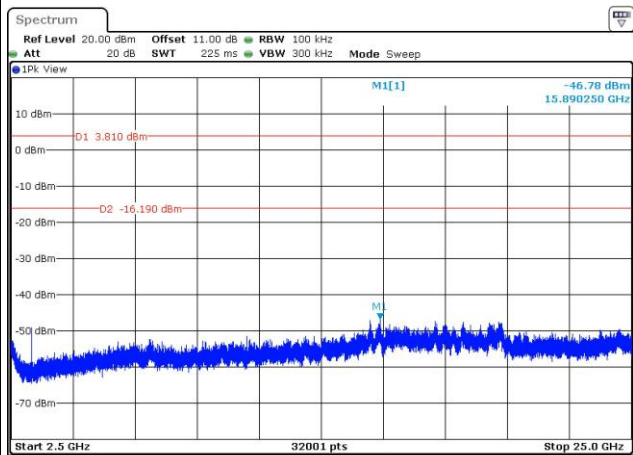


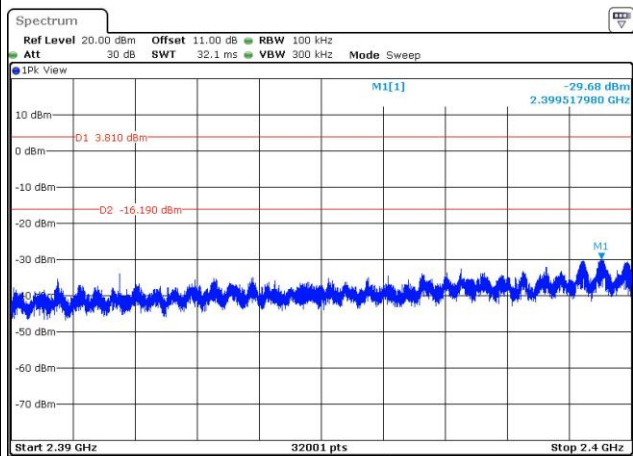
Reference Level



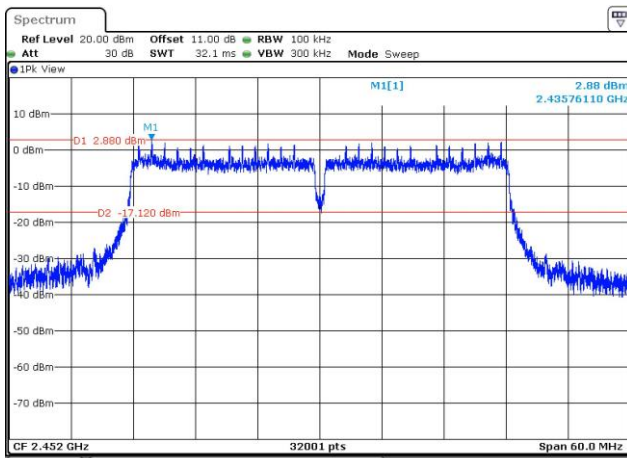
Tx 2437MHz / 30MHz~25GHz (down 20dBc)



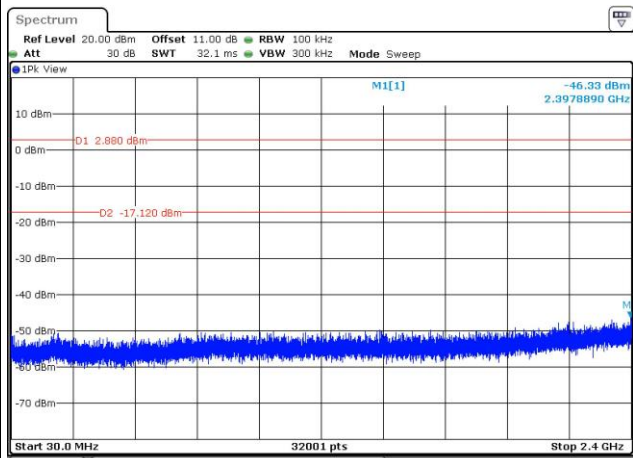


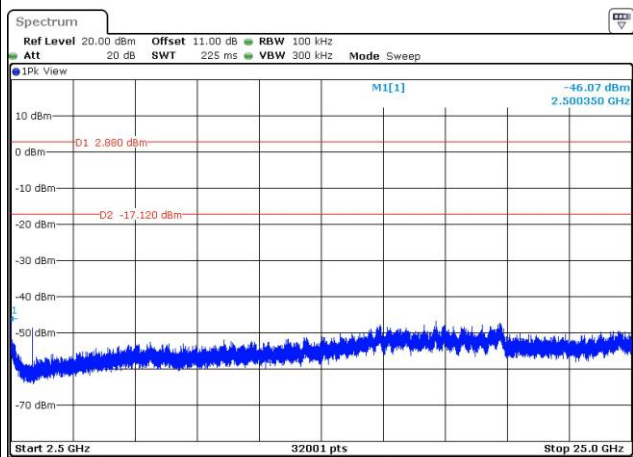


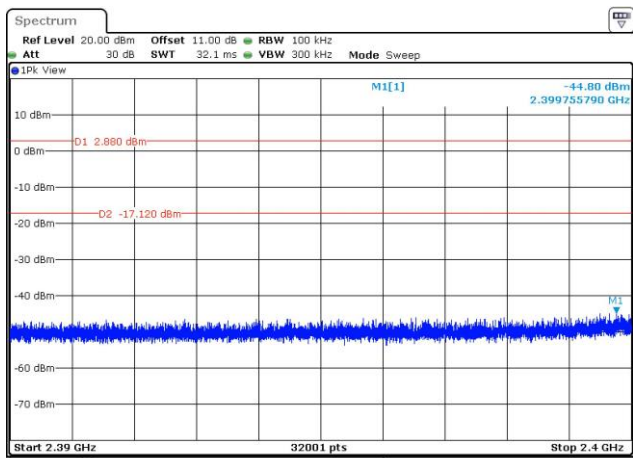
Reference Level



Tx 2452MHz / 30MHz~25GHz (down 20dBc)







4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

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If you have any suggestion, please feel free to contact us as below information

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