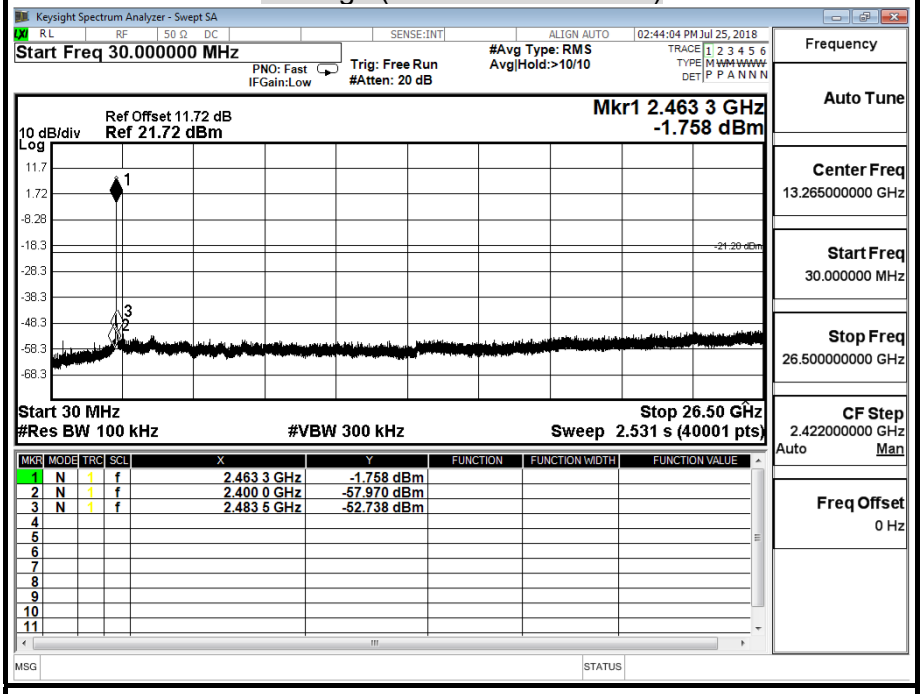
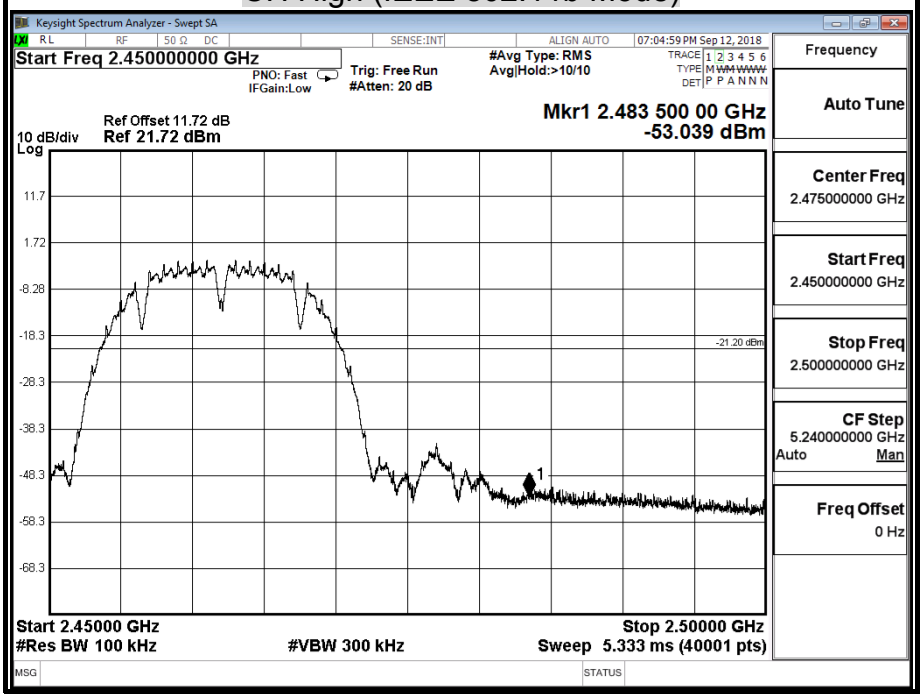
CH High (IEEE 802.11b Mode)



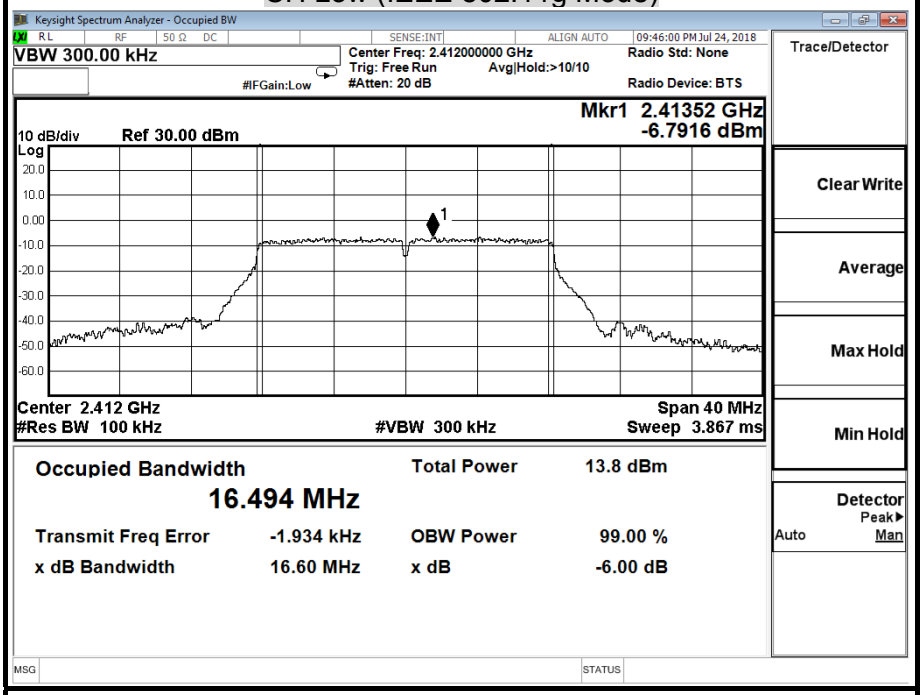
CH High (IEEE 802.11b Mode)



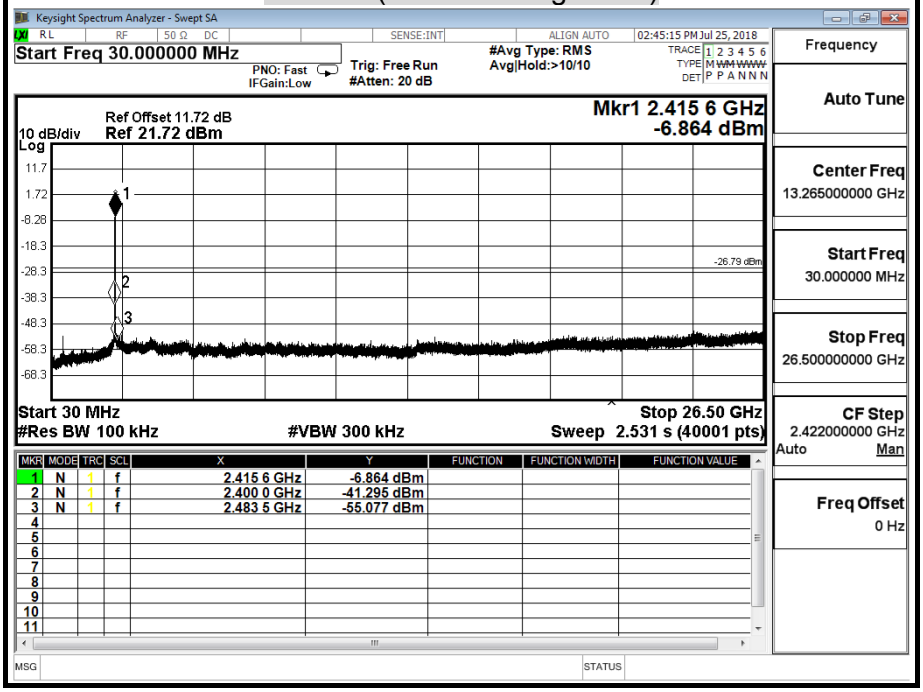
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

OUT-OF-BAND SPURIOUS EMISSIONS-CONDUCTED MEASUREMENT
(IEEE 802.11g MODE)

CH Low (IEEE 802.11g Mode)

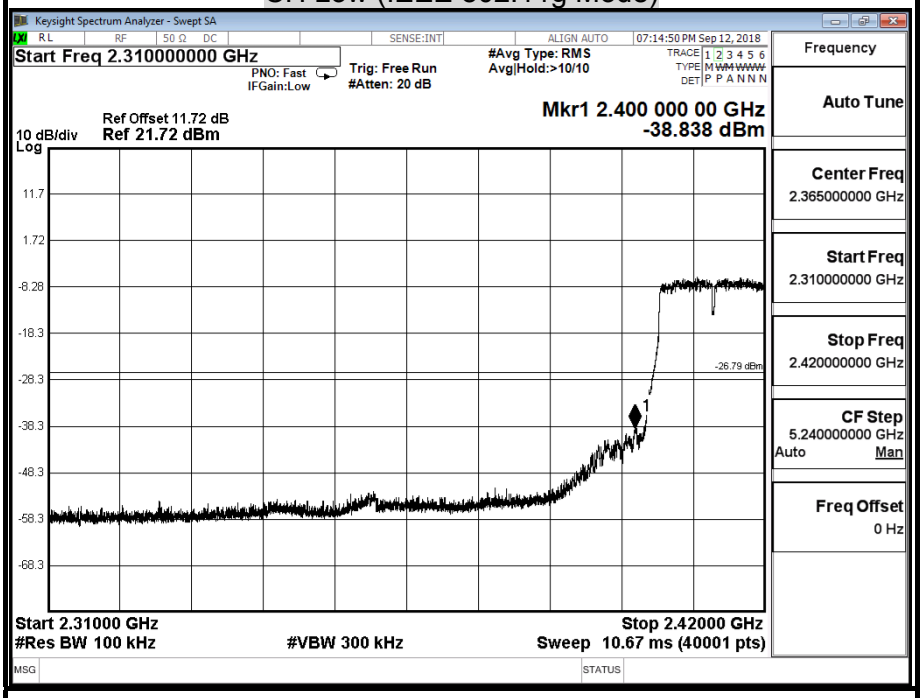


CH Low (IEEE 802.11g Mode)

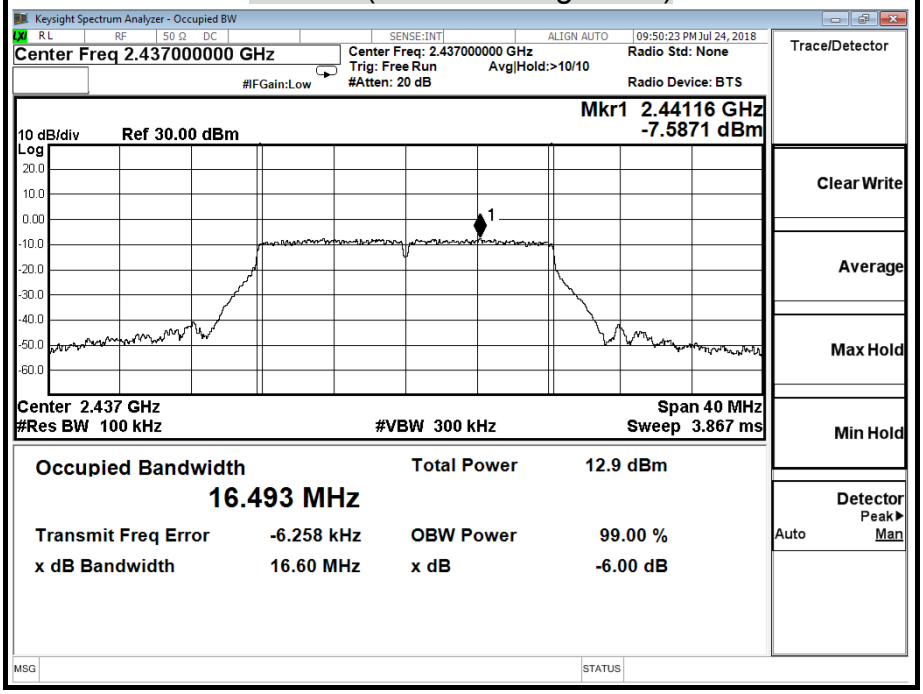


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Low (IEEE 802.11g Mode)

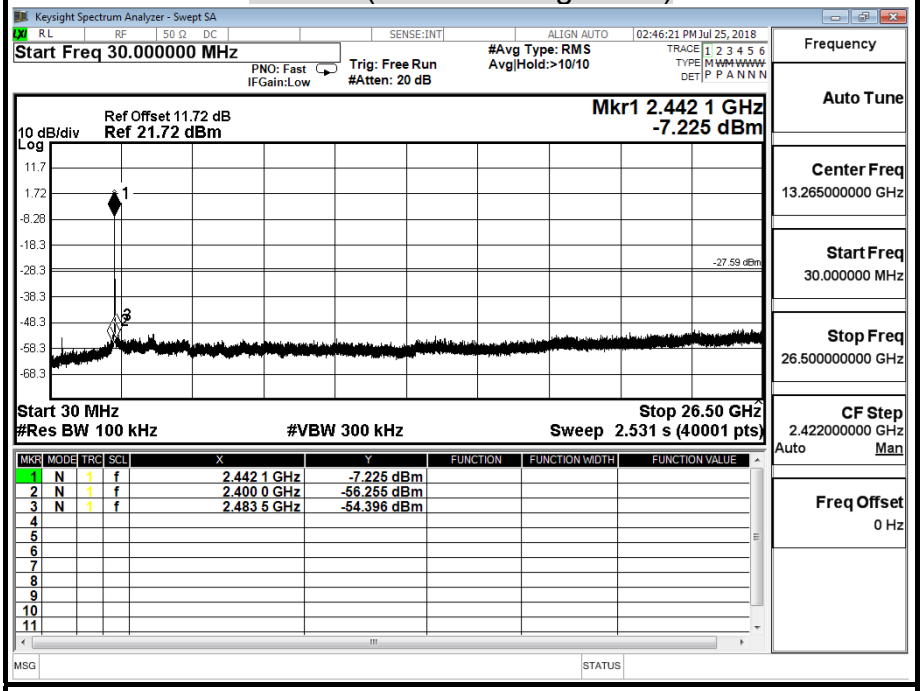


CH Mid (IEEE 802.11g Mode)

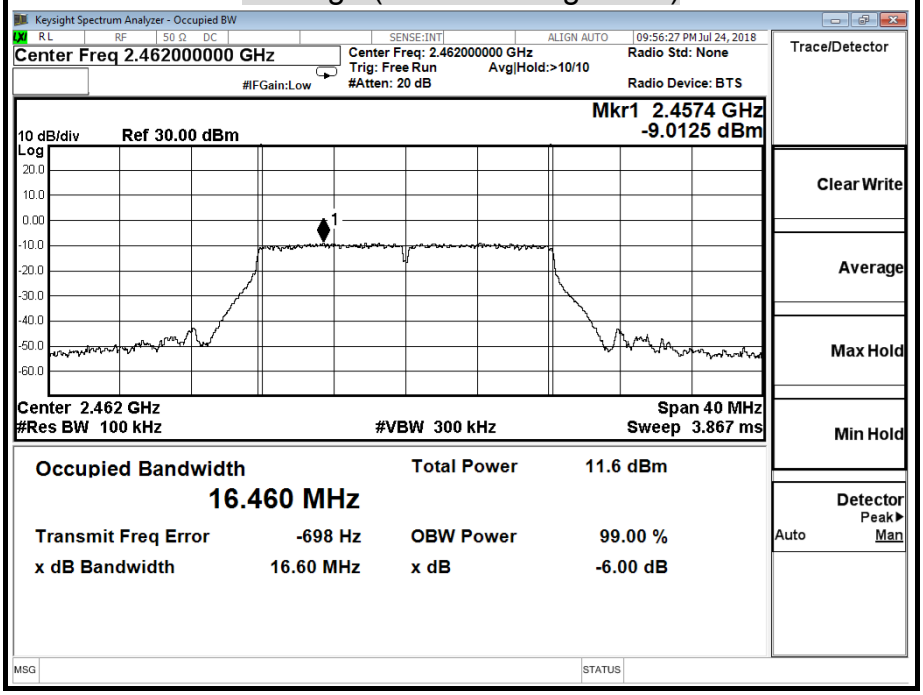


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Mid (IEEE 802.11g Mode)

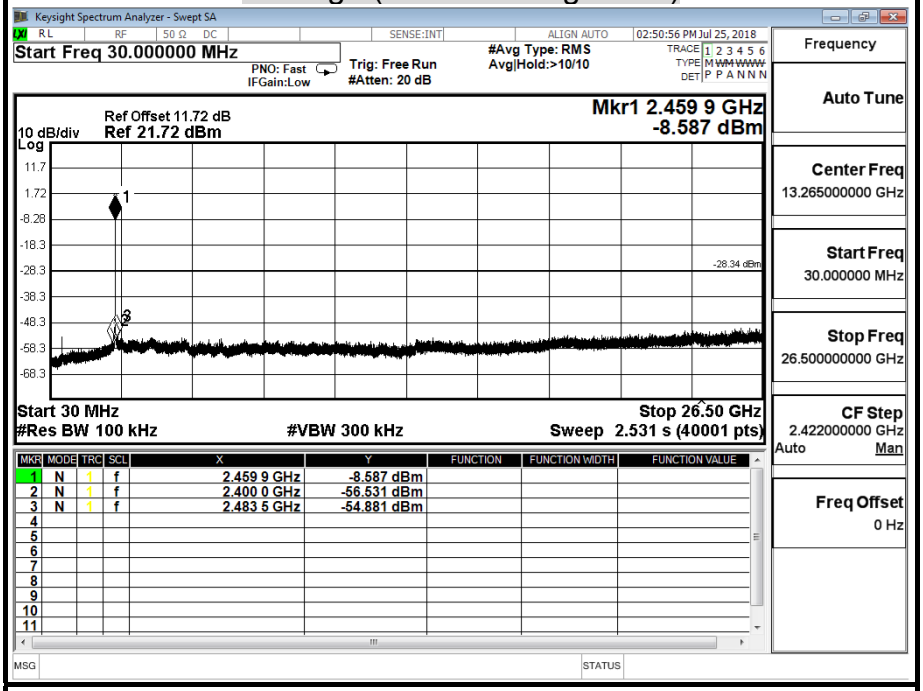


CH High (IEEE 802.11g Mode)

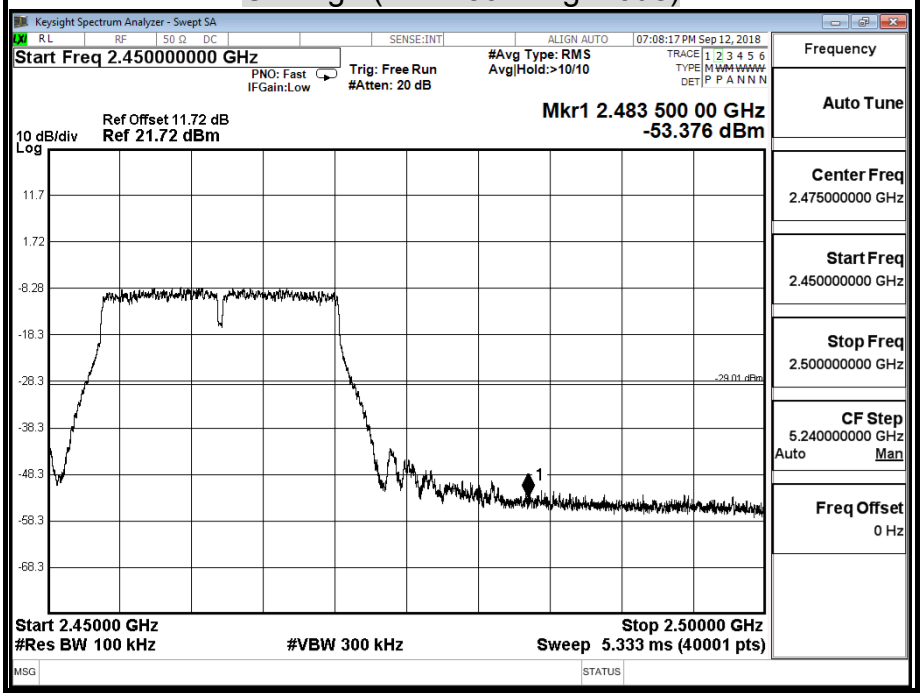


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH High (IEEE 802.11g Mode)



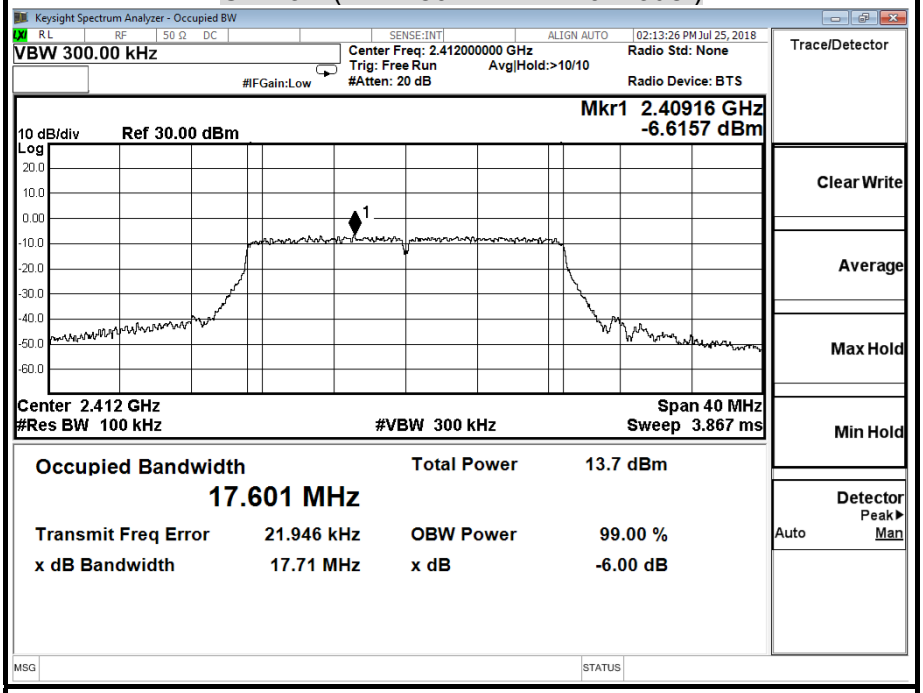
CH High (IEEE 802.11g Mode)



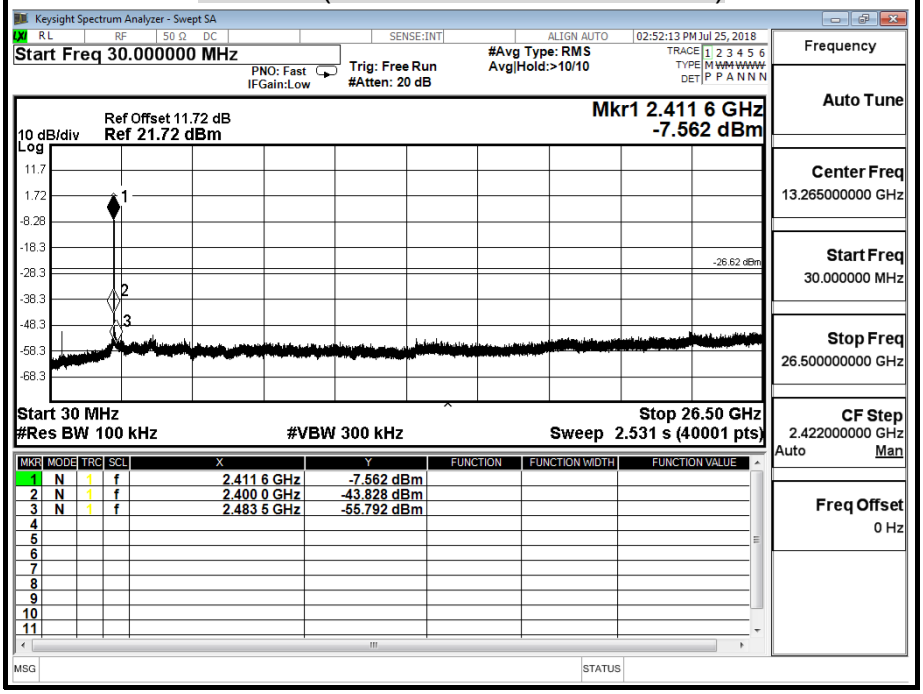
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

OUT-OF-BAND SPURIOUS EMISSIONS-CONDUCTED MEASUREMENT
(IEEE 802.11n HT20 MODE / Chain 0)

CH Low (IEEE 802.11n HT20 Mode)

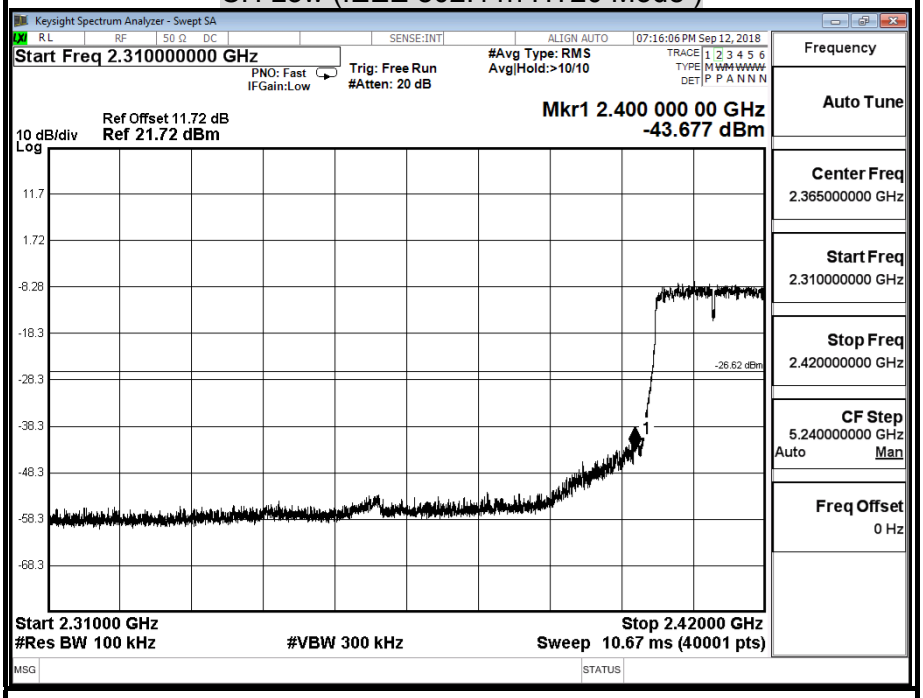


CH Low (IEEE 802.11n HT20 Mode)

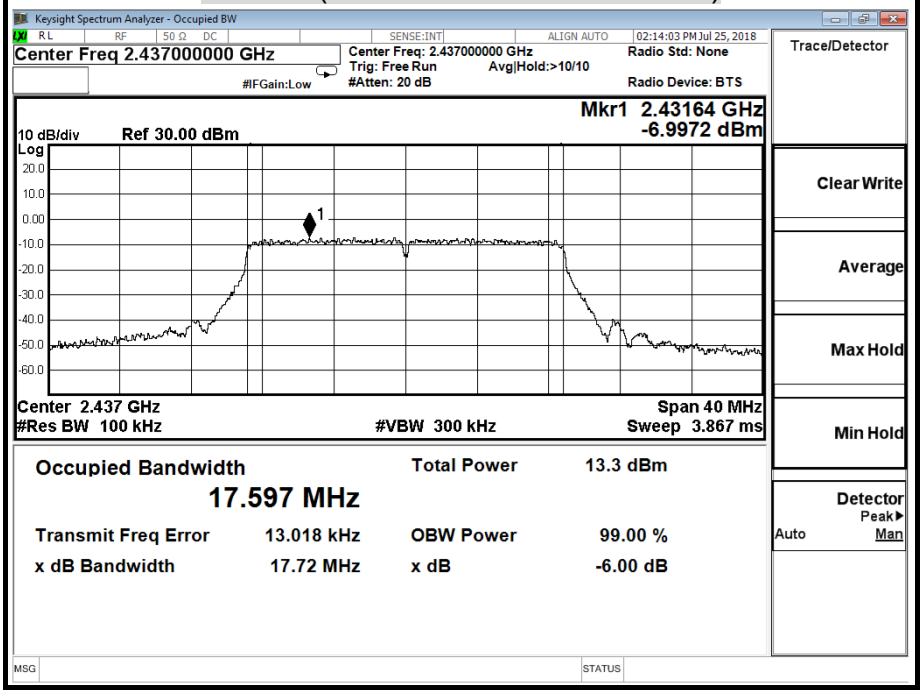


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Low (IEEE 802.11n HT20 Mode)

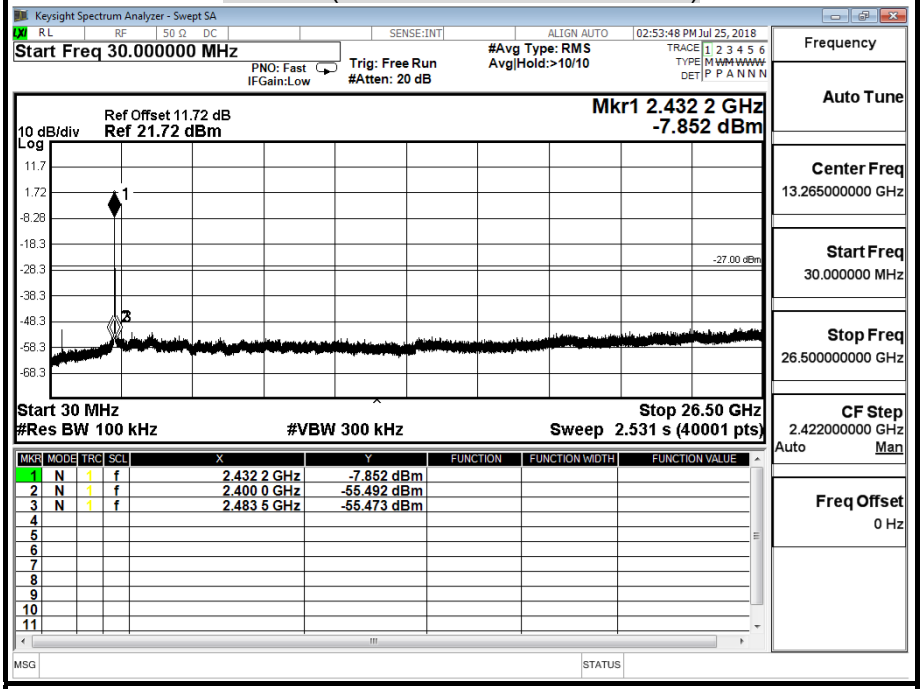


CH Mid (IEEE 802.11n HT20 Mode)

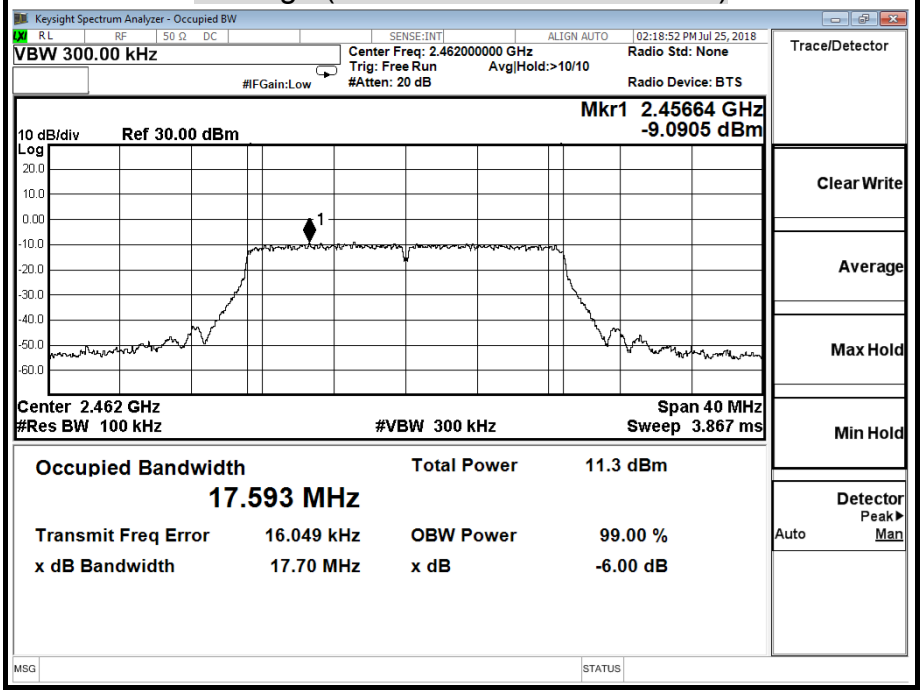


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Mid (IEEE 802.11n HT20 Mode)

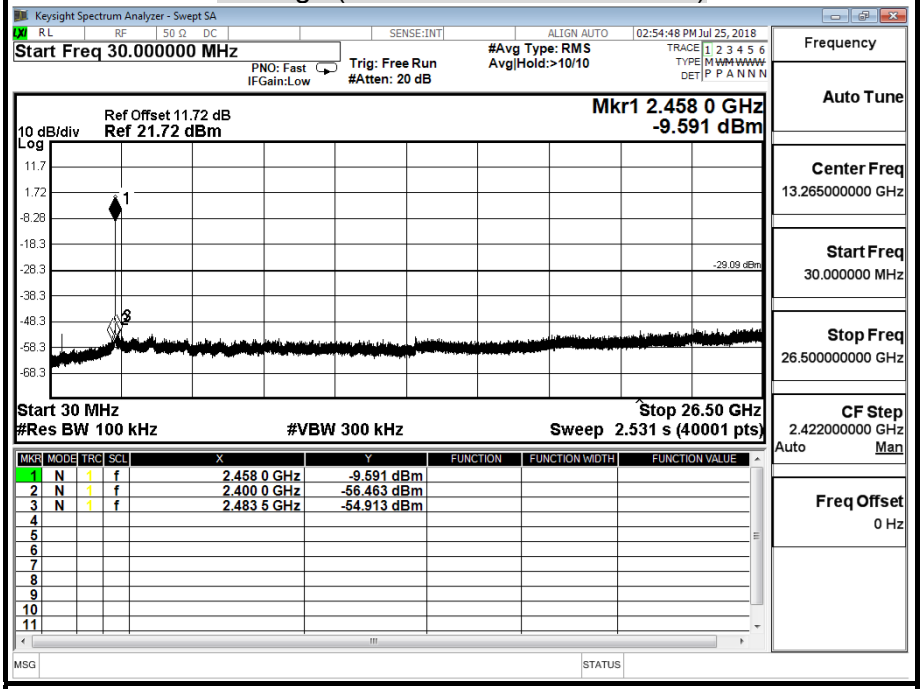


CH High (IEEE 802.11n HT20 Mode)

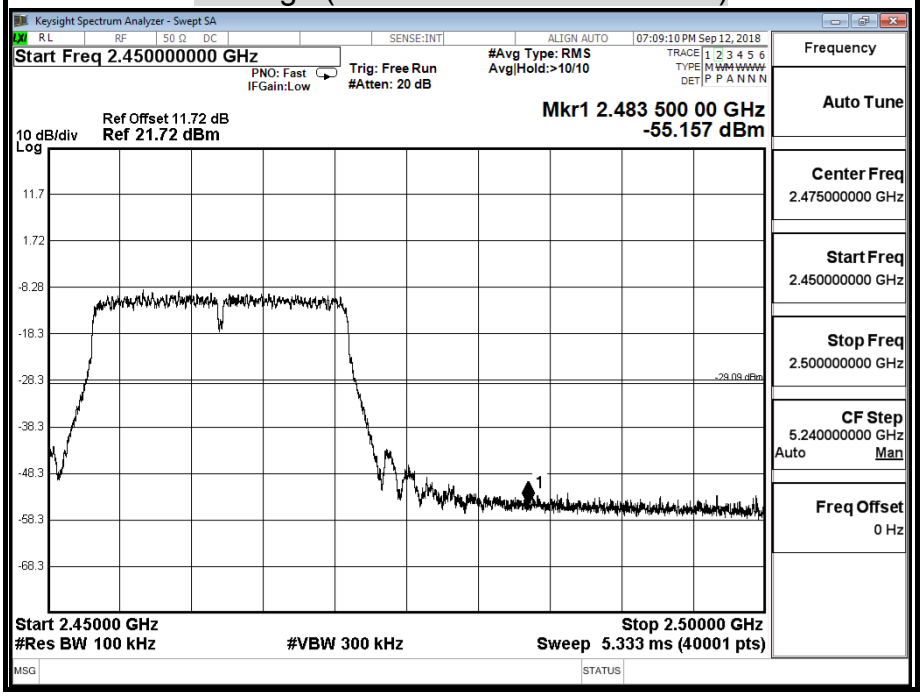


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH High (IEEE 802.11n HT20 Mode)



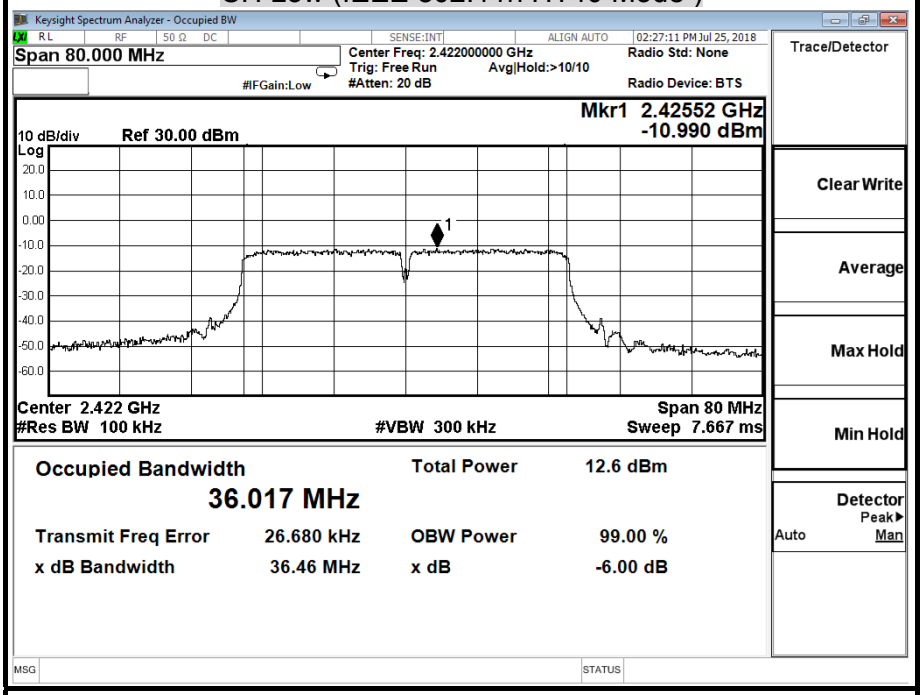
CH High (IEEE 802.11n HT20 Mode)



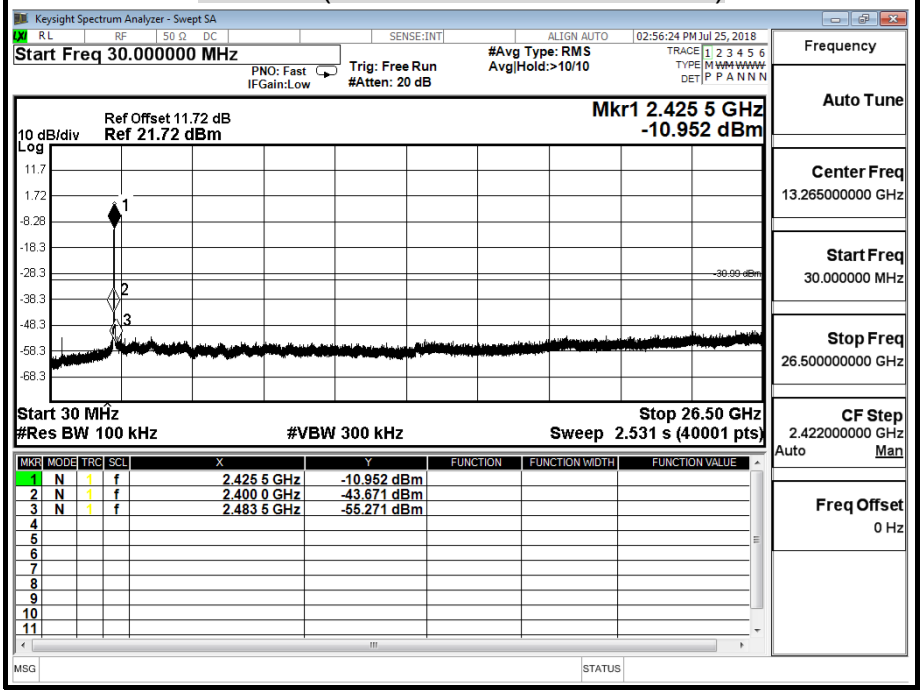
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

OUT-OF-BAND SPURIOUS EMISSIONS-CONDUCTED MEASUREMENT
(IEEE 802.11n HT40 MODE / Chain 0)

CH Low (IEEE 802.11n HT40 Mode)

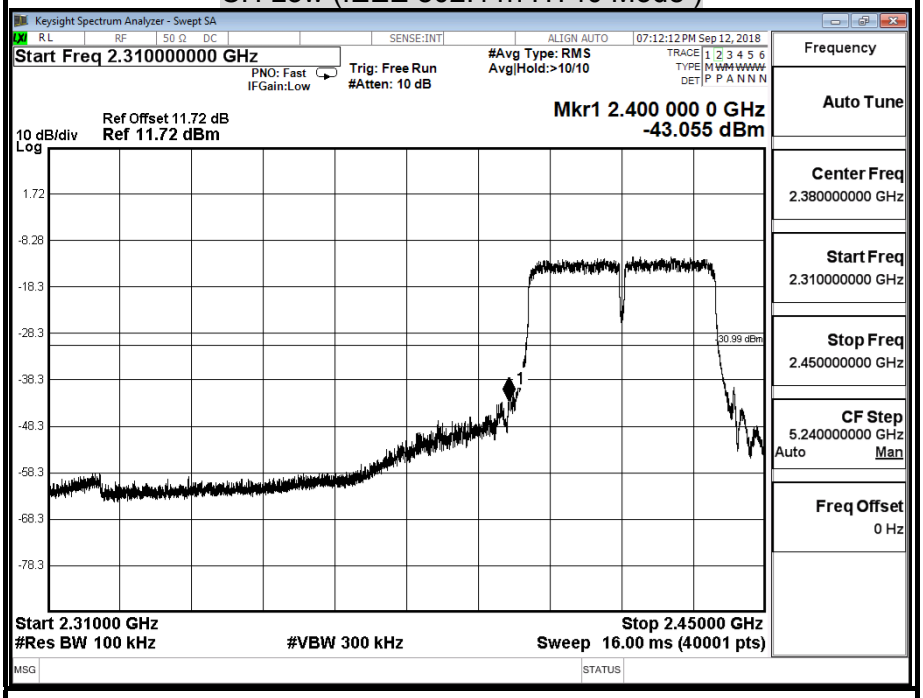


CH Low (IEEE 802.11n HT40 Mode)

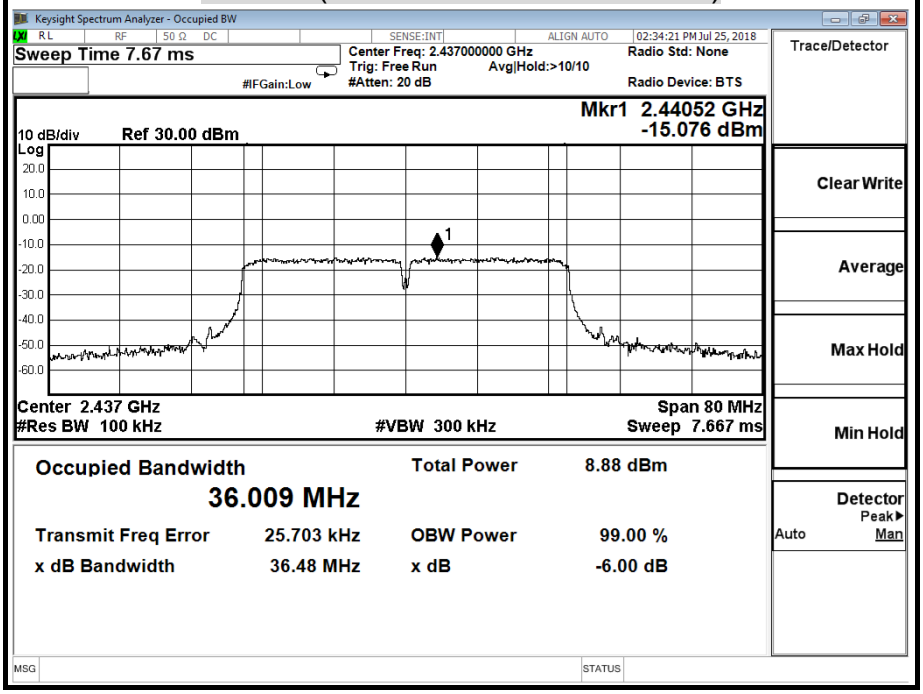


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Low (IEEE 802.11n HT40 Mode)

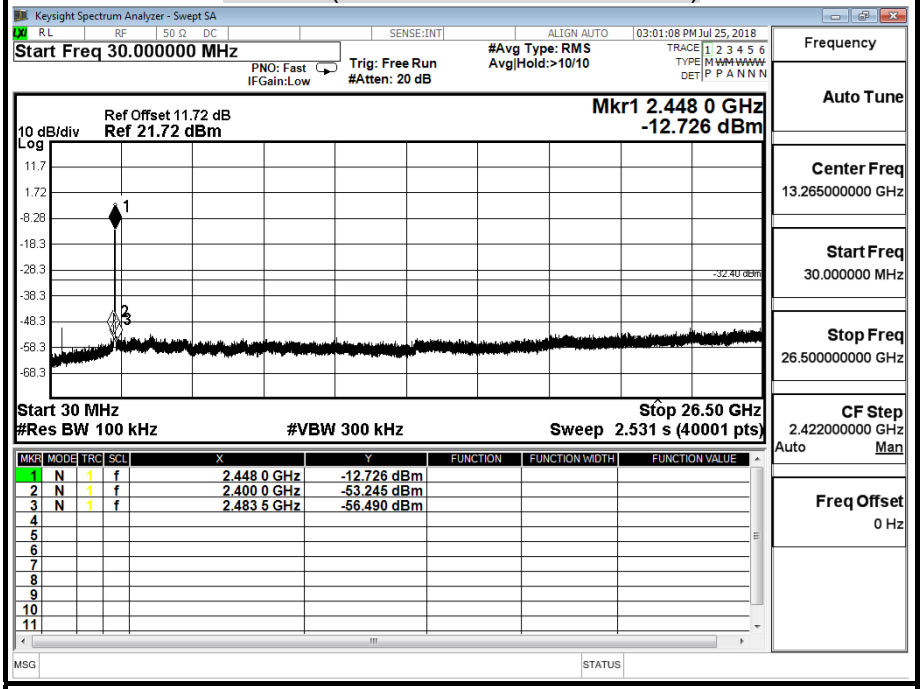


CH Mid (IEEE 802.11n HT40 Mode)

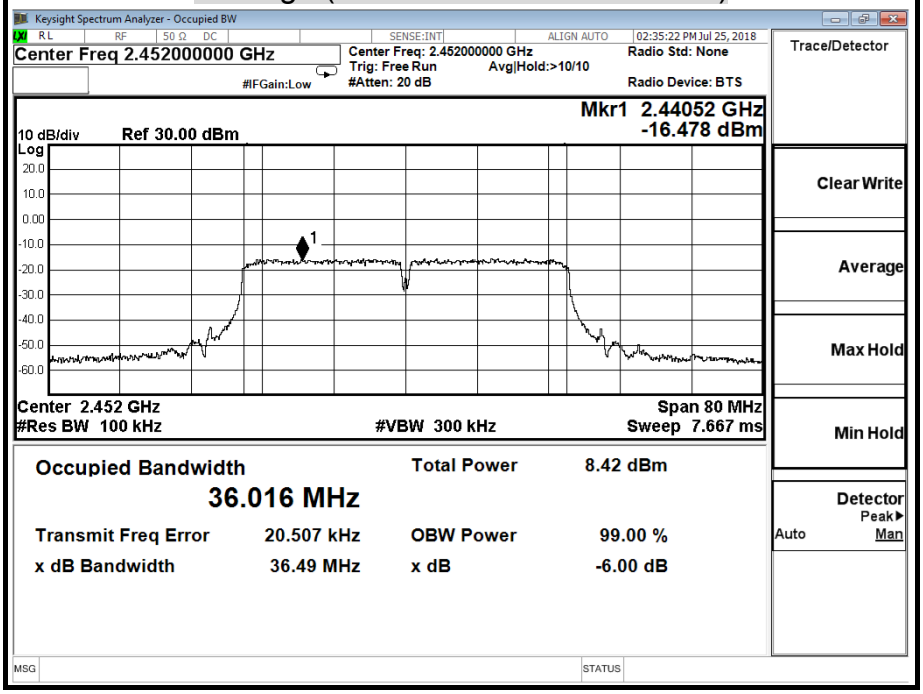


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH Mid (IEEE 802.11n HT40 Mode)

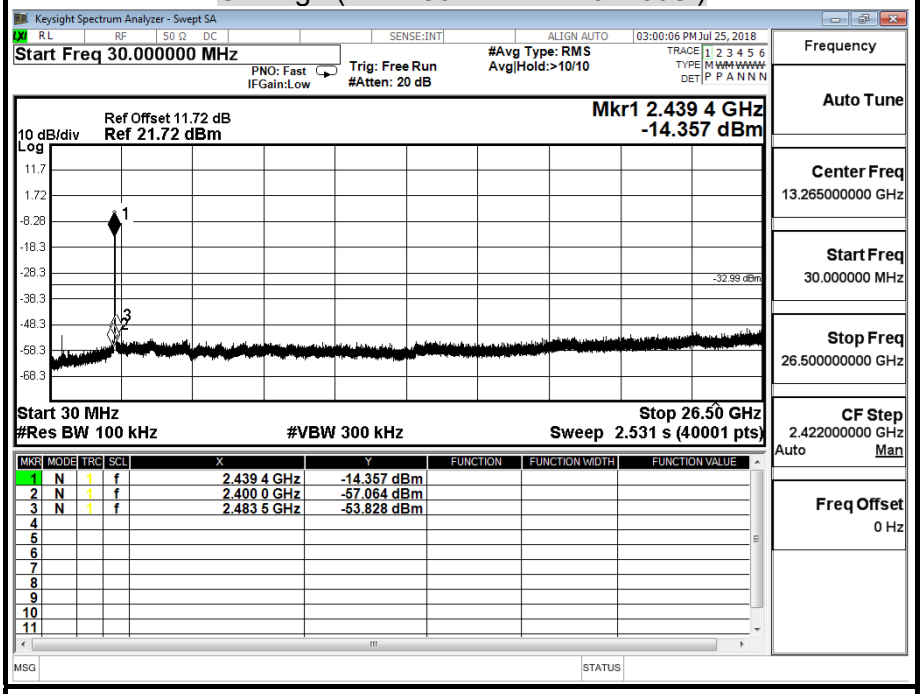


CH High (IEEE 802.11n HT40 Mode)

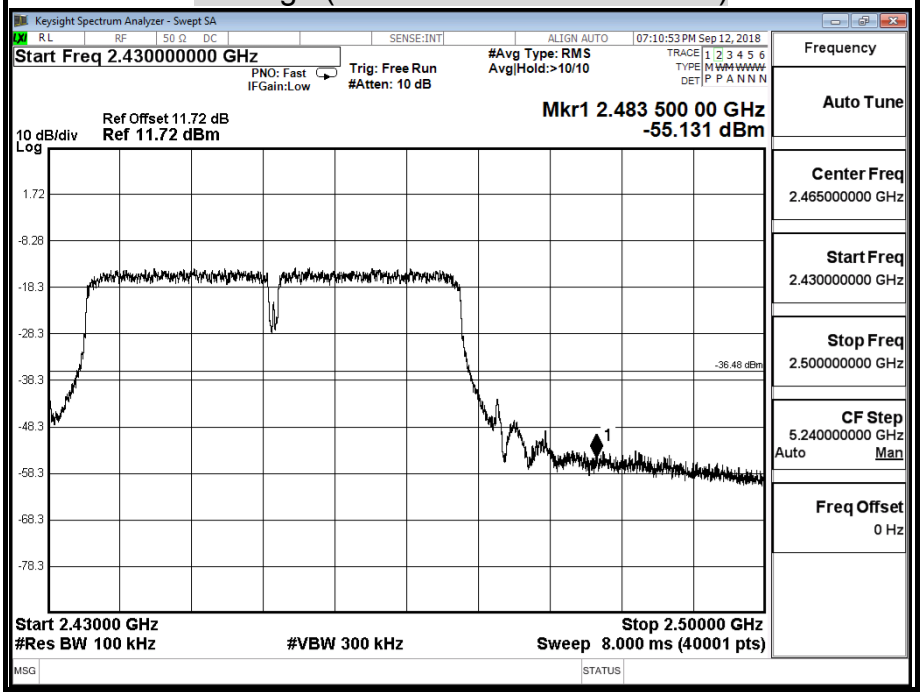


This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CH High (IEEE 802.11n HT40 Mode)



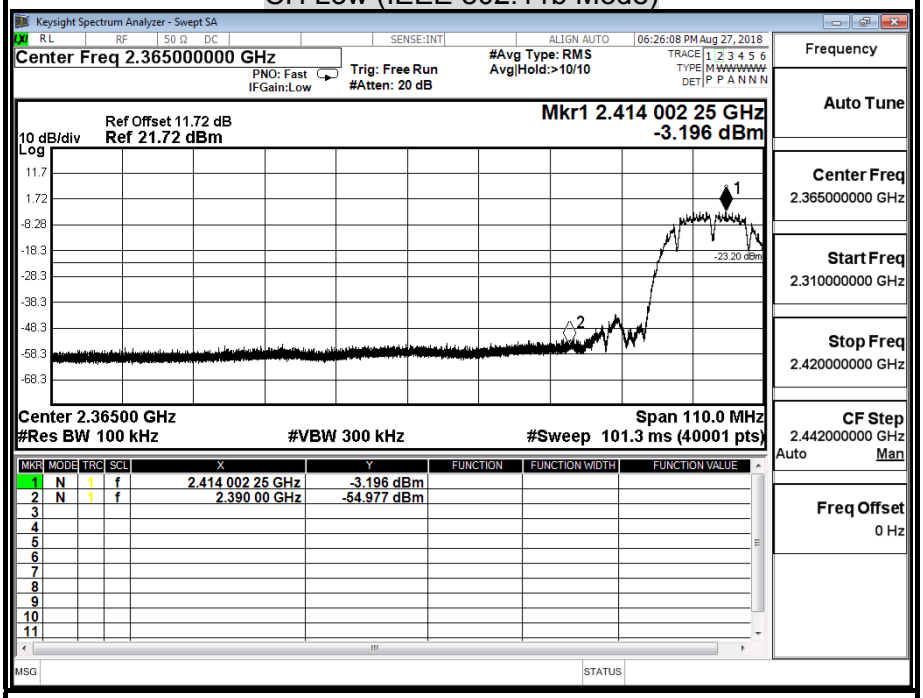
CH High (IEEE 802.11n HT40 Mode)



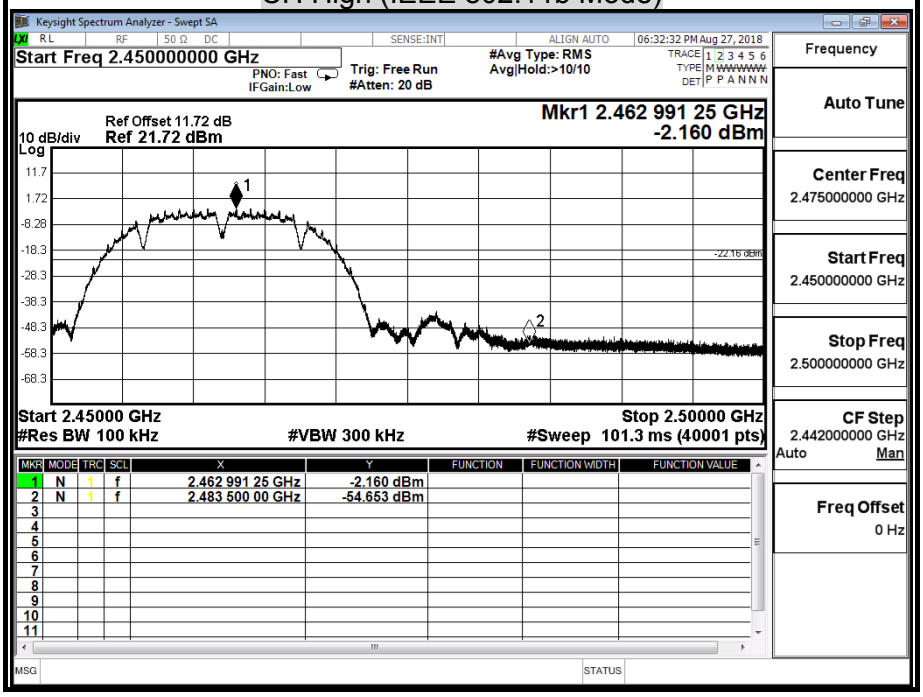
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CONDUCTED BAND EDGE MEASUREMENT
(IEEE 802.11b MODE)

CH Low (IEEE 802.11b Mode)



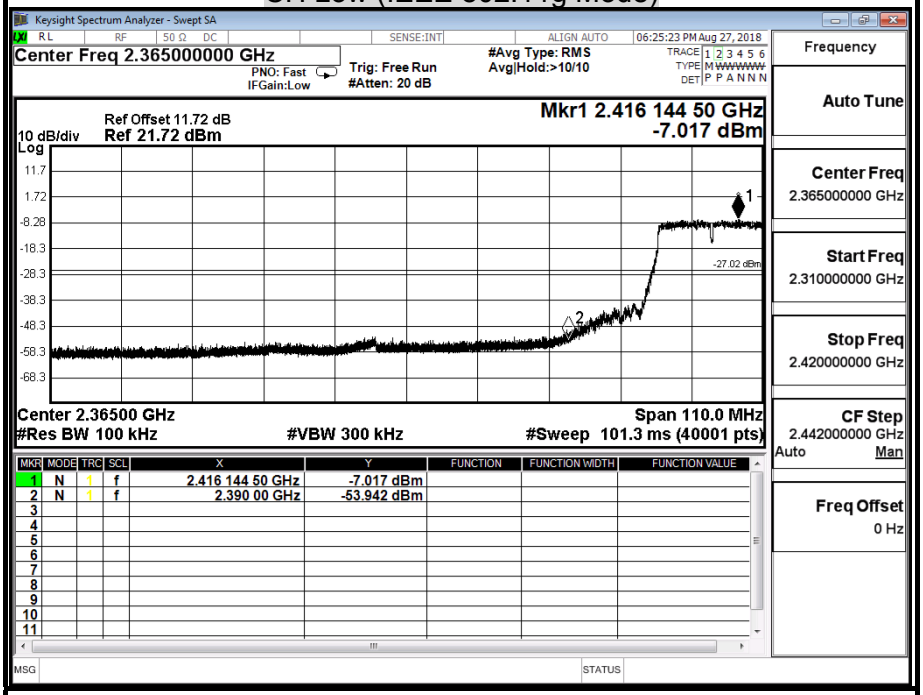
CH High (IEEE 802.11b Mode)



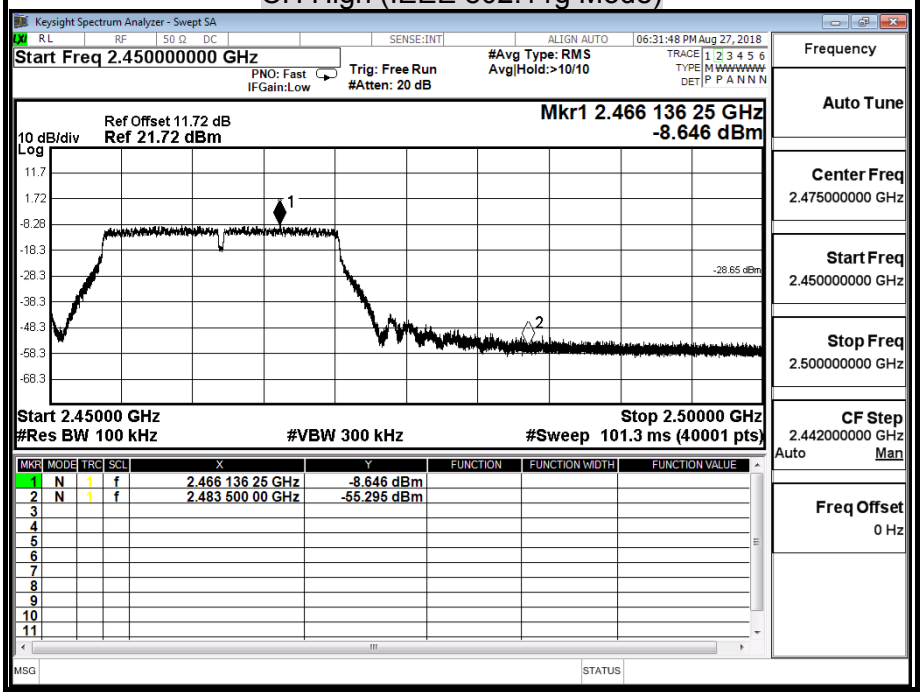
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CONDUCTED BAND EDGE MEASUREMENT
(IEEE 802.11g MODE)

CH Low (IEEE 802.11g Mode)



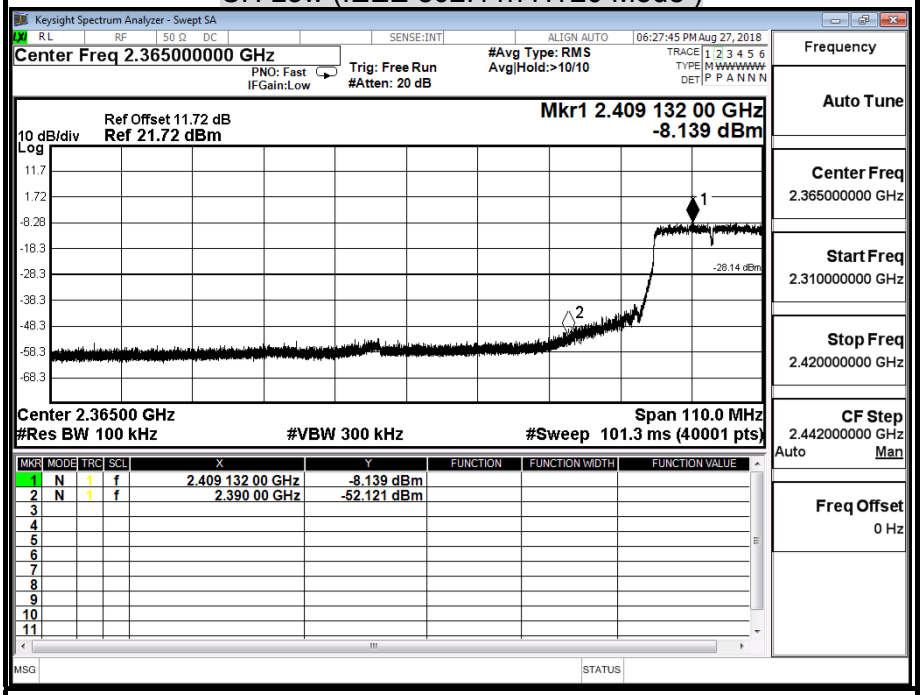
CH High (IEEE 802.11g Mode)



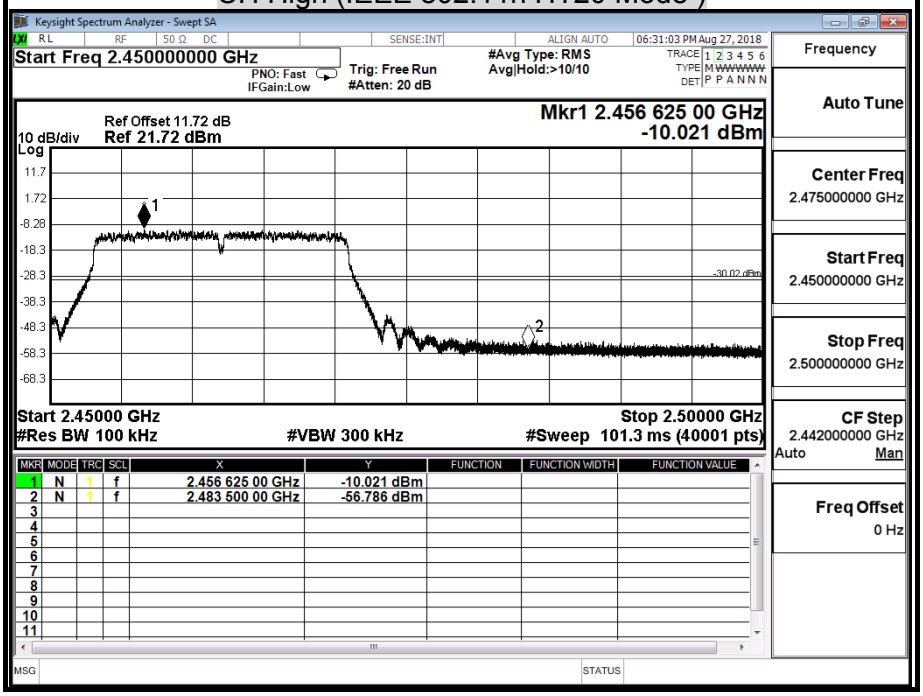
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CONDUCTED BAND EDGE MEASUREMENT
(IEEE 802.11n HT20 MODE / Chain 0)

CH Low (IEEE 802.11n HT20 Mode)



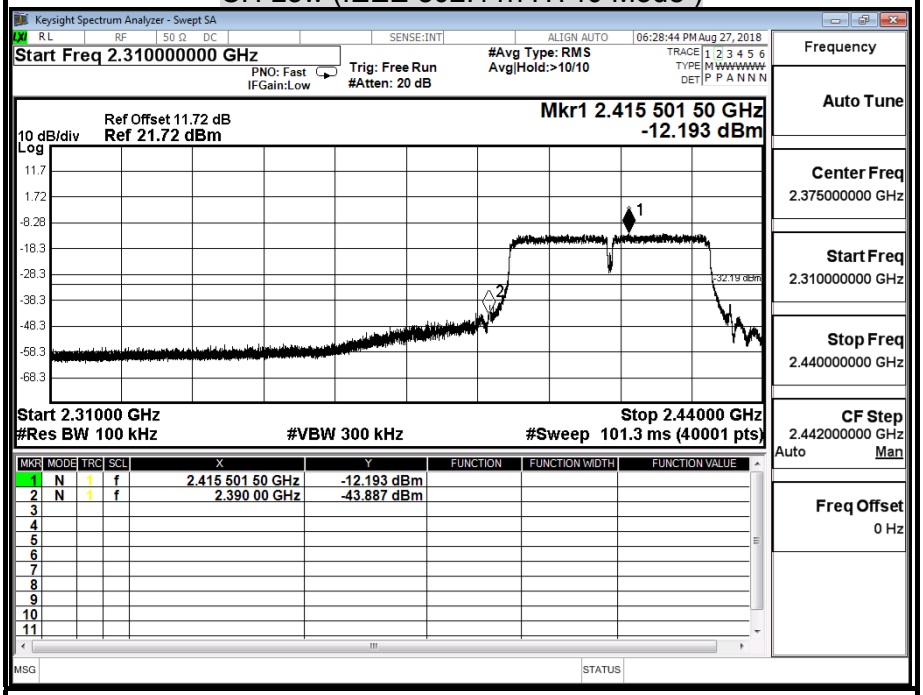
CH High (IEEE 802.11n HT20 Mode)



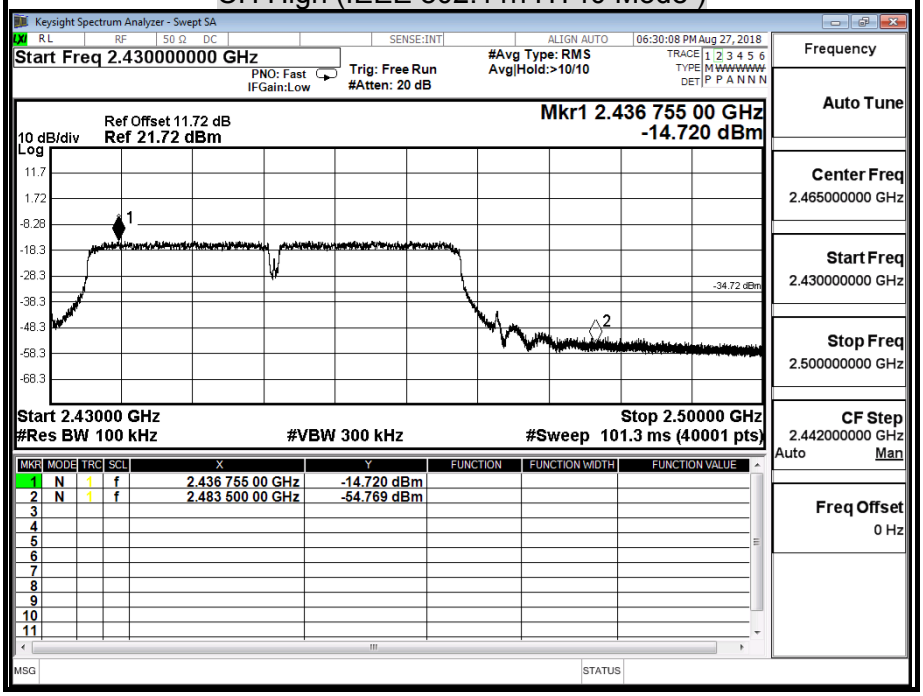
This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

CONDUCTED BAND EDGE MEASUREMENT
(IEEE 802.11n HT40 MODE / Chain 0)

CH Low (IEEE 802.11n HT40 Mode)



CH High (IEEE 802.11n HT40 Mode)



This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

8.6 RADIATED EMISSIONS

8.6.1 TRANSMITTER RADIATED SUPURIOUS EMSSIONS

LIMITS

§ 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 -1710	10.6 -12.7
6.26775 - 6.26825	108 -121.94	1718.8 - 1722.2	13.25 -13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 – 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 -16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3338	36.43 - 36.5
12.57675 - 12.57725	322 -335.4	3600 - 4400	([2])
13.36 - 13.41			

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

§ 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown is Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

§ 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
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, Sections 15.231 and 15.241.

§ 15.209 (b) In the emission table above, the tighter limit applies at the band edges.

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

TEST EQUIPMENTS

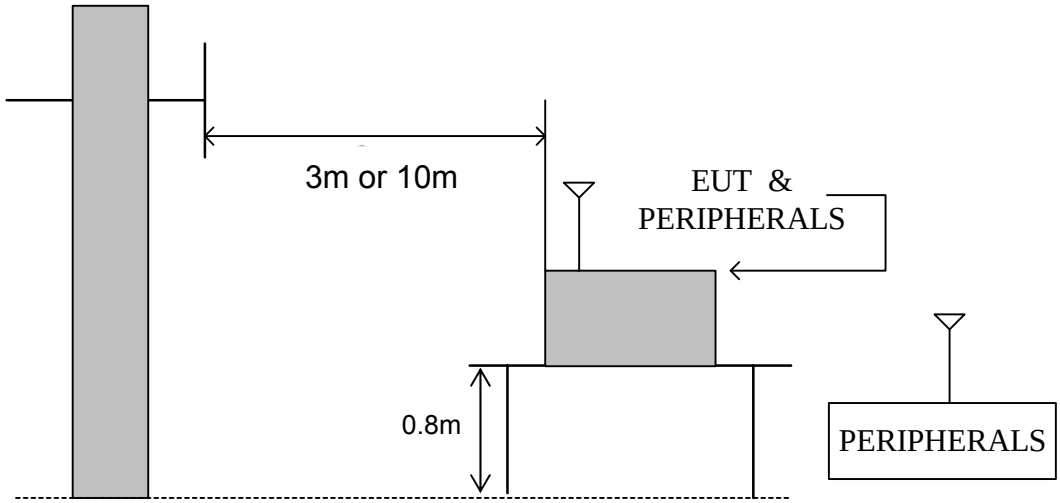
The following test equipments are utilized in making the measurements contained in this report.

Chamber Room # 966					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Active Loop Antenna	ETS-LINDREN	6502	8905-2356	07/20/2017	07/19/2019
Amplifier	HP	8447F	2443A01671	01/22/2018	01/21/2019
Bi-Log Antenna	Sunol	JB1	A070506-2	02/09/2018	02/08/2019
Cable	Rosnol+Suhner	SUCOFLEX 104PEA	SN25737 /4PEA	01/27/2018	01/26/2019
Double Ridged Guide Horn Antenna	ETS-LINDGREN	3116	00078900	03/20/2017	03/19/2019
EMI Test Receiver	R&S	ESCI	100960	10/31/2017	10/30/2018
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY54430216	07/05/2018	07/04/2019
Hi-Pass Filter	MICRO-TRONICS	BRM50702-01	018	01/22/2018	01/21/2019
Horn Antenna	Com-Power	AH-118	071032	04/19/2018	04/18/2019
Pre-Amplifier	EMCI	EMC012645	980098	01/22/2018	01/21/2019

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

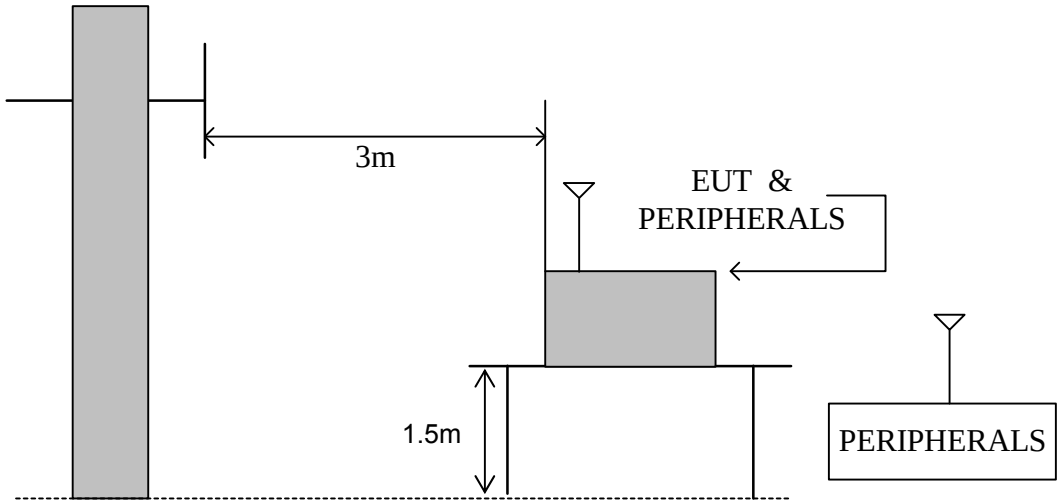
TEST SETUP

The diagram below shows the test setup that is utilized to make the measurements for emission from 30 to 1GHz.



Antenna Elevation Variable

The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



Antenna Elevation Variable

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

TEST PROCEDURE

a. Radiated emission above 1GHz: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.

b. While measuring the radiated emission below 1GHz, the EUT was set 3/10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. White measuring the radiated emission above 1GHz, the EUT was set 3 meters away from the interference-receiving antenna

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. The tests were performed in accordance with KDB 558074 5.4 .

NOTE：

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.

2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1GHz.

3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

4. No emission is found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)

TEST RESULTS

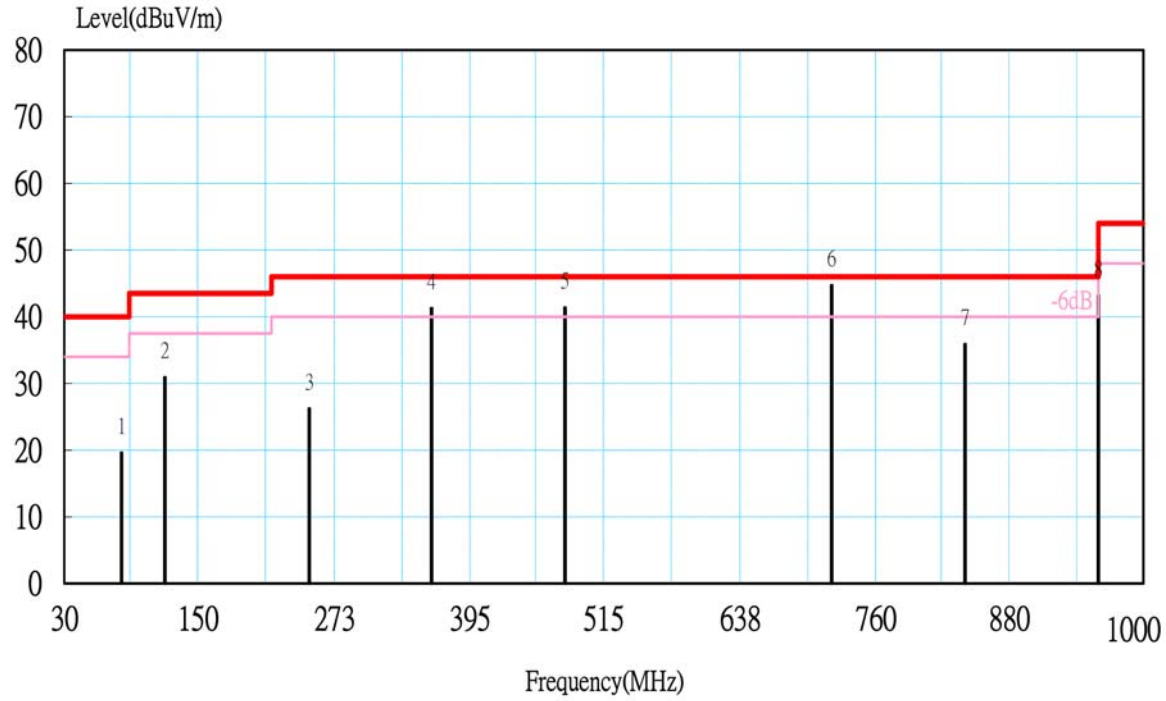
No non-compliance noted.

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

8.6.2 WORST-CASE RADIATED EMISSION BELOW 1 GHz

Model No.	CK8522	**Test Mode**	TX
Environmental Conditions	26.5℃, 54% RH	**Resolution Bandwidth**	120 kHz
Antenna Pole	Vertical	**Antenna Distance**	10m
Detector Function:	Quasi-peak.	**Tested By**	Ted Huang

(The chart below shows the highest readings taken from the final data.)



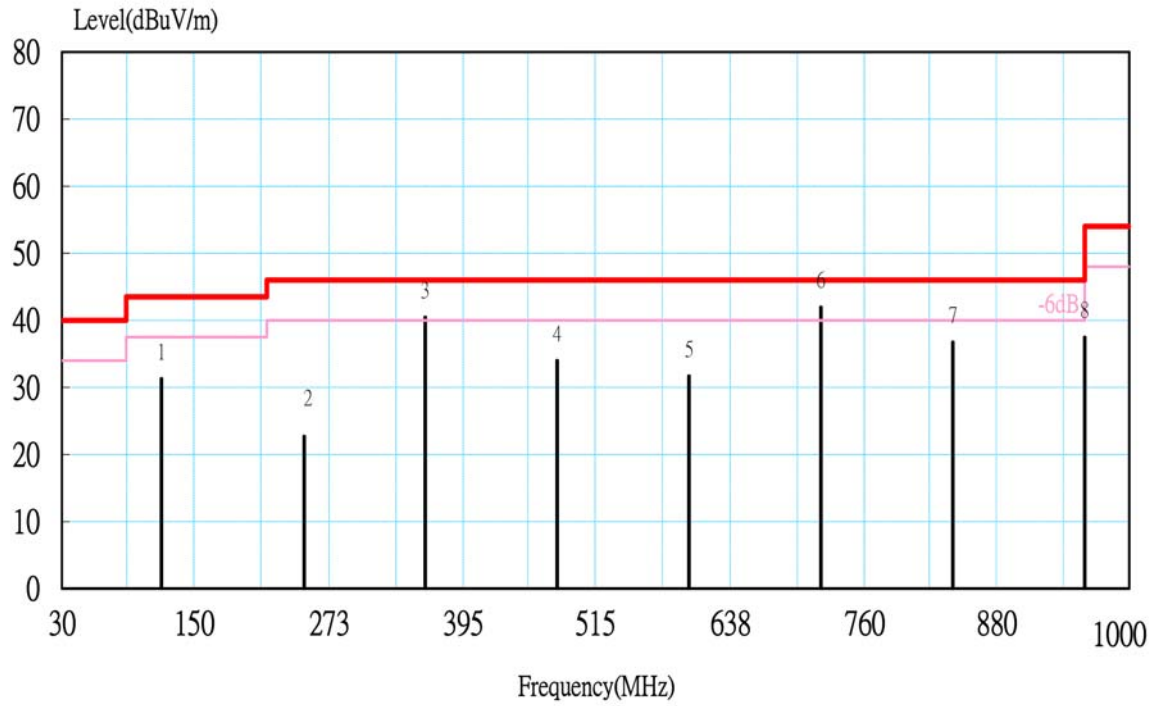
No.	Freq-Uency (MHz)	Meter Reading at 3 m Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission at 3 m Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Mode PK/QP
1	81.62	10.20	8.12	1.29	19.61	40.00	**-20.39**	QP
2	120.00	15.02	14.30	1.61	30.93	43.50	**-12.57**	QP
3	250.00	11.08	12.50	2.65	26.23	46.00	**-19.77**	QP
4	360.00	22.45	15.26	3.57	41.28	46.00	**-4.72**	QP
5	480.00	19.16	17.62	4.59	41.37	46.00	**-4.63**	QP
6	720.00	18.50	20.58	5.65	44.73	46.00	**-1.27**	QP
7	840.00	8.34	21.46	6.08	35.88	46.00	**-10.12**	QP

Note: 1. QP= Quasi-peak Reading.
2. The other emission levels were very low against the limit

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Model No.	CK8522	Test Mode	TX
Environmental Conditions	26.5℃, 54% RH	Resolution Bandwidth	120 kHz
Antenna Pole	Horizontal	Antenna Distance	10m
Detector Function:	Quasi-peak.	Tested By	Ted Huang

(The chart below shows the highest readings taken from the final data.)



No.	Freq-Uency (MHz)	Meter Reading at 3 m Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission at 3 m Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Mode PK/QP
1	120.00	15.42	14.30	1.61	31.33	43.50	-12.17	QP
2	250.00	7.60	12.50	2.65	22.75	46.00	-23.25	QP
3	360.00	21.65	15.26	3.57	40.48	46.00	-5.52	QP
4	480.00	11.82	17.62	4.59	34.03	46.00	-11.97	QP
5	600.00	7.28	19.30	5.14	31.72	46.00	-14.28	QP
6	720.00	15.77	20.58	5.65	42.00	46.00	-4.00	QP
7	840.00	9.25	21.46	6.08	36.79	46.00	-9.21	QP
8	960.00	7.80	23.08	6.64	37.52	46.00	-8.48	QP

Note: 1. QP= Quasi-peak Reading.
2. The other emission levels were very low against the limit

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

8.6.3 TRANSMITTER RADIATED EMISSION ABOVE 1 GHz

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11b TX (CH Low)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11b mode / CH Low				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1320.05	63.42	25.74	2.15	45.17	0.44	46.59	74.00	-27.41	P
*	1320.05	58.68	25.74	2.15	45.17	0.44	41.85	54.00	-12.15	A
*	4824.07	61.38	32.97	4.38	44.32	0.22	54.63	74.00	-19.37	P
*	4824.07	56.90	32.97	4.38	44.32	0.22	50.16	54.00	-3.84	A
	7235.14	54.72	38.80	5.51	44.01	0.27	55.29	74.00	-18.71	P
	7235.14	45.31	38.80	5.51	44.01	0.27	45.87	54.00	-8.13	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11b mode / CH Low				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1560.96	60.48	26.98	2.36	44.98	0.52	45.36	74.00	-28.64	P
*	1560.96	54.72	26.98	2.36	44.98	0.52	39.60	54.00	-14.40	A
*	4823.98	62.94	32.97	4.38	44.32	0.22	56.20	74.00	-17.80	P
*	4823.98	58.96	32.97	4.38	44.32	0.22	52.22	54.00	-1.78	A
	7237.06	55.13	38.81	5.51	44.01	0.27	55.71	74.00	-18.29	P
	7237.06	44.44	38.81	5.51	44.01	0.27	45.01	54.00	-8.99	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11b TX (CH Middle)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11b mode / CH Middle				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1319.86	63.28	25.74	2.15	45.17	0.44	46.45	74.00	-27.55	P
*	1319.86	58.45	25.74	2.15	45.17	0.44	41.62	54.00	-12.38	A
*	4873.89	60.27	33.12	4.41	44.33	0.23	53.69	74.00	-20.31	P
*	4873.89	55.39	33.12	4.41	44.33	0.23	48.81	54.00	-5.19	A
*	7310.12	54.81	39.05	5.53	43.95	0.27	55.72	74.00	-18.28	P
*	7310.12	44.62	39.05	5.53	43.95	0.27	45.53	54.00	-8.47	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

I

	TX / IEEE 802.11b mode / CH Middle				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1560.88	60.78	26.97	2.36	44.98	0.52	45.66	74.00	-28.34	P
*	1560.88	54.86	26.97	2.36	44.98	0.52	39.74	54.00	-14.26	A
*	4873.97	62.54	33.12	4.41	44.33	0.23	55.97	74.00	-18.03	P
*	4873.97	58.88	33.12	4.41	44.33	0.23	52.31	54.00	-1.69	A
*	7313.90	55.39	39.07	5.53	43.94	0.27	56.32	74.00	-17.68	P
*	7313.90	44.54	39.07	5.53	43.94	0.27	45.46	54.00	-8.54	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11b TX (CH High)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11b mode / CH High				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1320.14	63.68	25.74	2.15	45.17	0.44	46.85	74.00	-27.15	P
*	1320.14	58.75	25.74	2.15	45.17	0.44	41.92	54.00	-12.08	A
*	4623.99	58.86	32.37	4.28	44.26	0.21	51.45	74.00	-22.55	P
*	4623.99	51.84	32.37	4.28	44.26	0.21	44.43	54.00	-9.57	A
*	7382.32	55.26	39.30	5.55	43.88	0.27	56.49	74.00	-17.51	P
*	7382.32	45.45	39.30	5.55	43.88	0.27	46.68	54.00	-7.32	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11b mode / CH High				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1561.05	60.82	26.98	2.36	44.98	0.52	45.70	74.00	-28.30	P
*	1561.05	55.13	26.98	2.36	44.98	0.52	40.01	54.00	-13.99	A
*	4923.94	61.20	33.27	4.44	44.35	0.23	54.80	74.00	-19.20	P
*	4923.94	56.52	33.27	4.44	44.35	0.23	50.11	54.00	-3.89	A
*	7383.08	55.62	39.30	5.55	43.88	0.27	56.85	74.00	-17.15	P
*	7383.08	46.40	39.30	5.55	43.88	0.27	47.64	54.00	-6.36	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11g TX (CH Low)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11g mode / CH Low				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1319.86	63.52	25.74	2.15	45.17	0.44	46.69	74.00	-27.31	P
*	1319.86	58.68	25.74	2.15	45.17	0.44	41.85	54.00	-12.15	A
*	4825.82	61.42	32.98	4.39	44.32	0.22	54.69	74.00	-19.31	P
*	4825.82	49.29	32.98	4.39	44.32	0.22	42.55	54.00	-11.45	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11g mode / CH Low				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1560.86	60.75	26.97	2.36	44.98	0.52	45.63	74.00	-28.37	P
*	1560.86	55.06	26.97	2.36	44.98	0.52	39.94	54.00	-14.06	A
*	4825.90	59.08	32.98	4.39	44.32	0.22	52.34	74.00	-21.66	P
*	4825.90	47.33	32.98	4.39	44.32	0.22	40.60	54.00	-13.40	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11g TX (CH Middle)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11g mode / CH Middle				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1320.14	63.58	25.74	2.15	45.17	0.44	46.75	74.00	-27.25	P
*	1320.14	58.83	25.74	2.15	45.17	0.44	42.00	54.00	-12.00	A
*	4875.90	58.09	33.13	4.41	44.34	0.23	51.53	74.00	-22.47	P
*	4875.90	46.68	33.13	4.41	44.34	0.23	40.12	54.00	-13.88	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11g mode / CH Middle				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1560.86	60.35	26.97	2.36	44.98	0.52	45.23	74.00	-28.77	P
*	1560.86	54.65	26.97	2.36	44.98	0.52	39.53	54.00	-14.47	A
*	4875.85	57.93	33.13	4.41	44.34	0.23	51.36	74.00	-22.64	P
*	4875.85	46.91	33.13	4.41	44.34	0.23	40.34	54.00	-13.66	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。

Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11g TX (CH High)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11g mode / CH High				Measurement Distance at 3m				Horizontal polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1319.98	63.45	25.74	2.15	45.17	0.44	46.62	74.00	-27.38	P
*	1319.98	58.68	25.74	2.15	45.17	0.44	41.85	54.00	-12.15	A
*	4918.45	56.78	33.26	4.44	44.35	0.23	50.35	74.00	-23.65	P
*	4918.45	46.40	33.26	4.44	44.35	0.23	39.98	54.00	-14.02	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11g mode / CH High				Measurement Distance at 3m				Vertical polarity	
	Freq.	Reading	AF	Cable Loss	Pre-amp	Filter	Level	Limit	Margin	Mark
	(MHz)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(P/Q/A)
*	1560.94	61.24	26.98	2.36	44.98	0.52	46.12	74.00	-27.88	P
*	1560.94	55.12	26.98	2.36	44.98	0.52	40.00	54.00	-14.00	A
*	4919.85	56.24	33.26	4.44	44.35	0.23	49.82	74.00	-24.18	P
*	4919.85	46.39	33.26	4.44	44.35	0.23	39.97	54.00	-14.03	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

REMARK:

1. *AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss*
2. *Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz*
3. *The result basic equation calculation is as follow:*
   Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. *The other emission levels were 20dB below the limit*
5. *The test limit distance is 3M limit.*
6. ** = Restricted bands of operation*

This document cannot be reproduced except in full, without prior written approval of the Company. 本報告未經本公司書面許可，不可部份複製。