Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT20 TX (CH Low)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT20 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)
*	1319.95	63.78	25.74	2.15	45.17	0.44	46.95	74.00	-27.05	P
*	1319.95	58.92	25.74	2.15	45.17	0.44	42.09	54.00	-11.91	A
*	4827.48	58.85	32.98	4.39	44.32	0.22	52.12	74.00	-21.88	P
*	4827.48	47.77	32.98	4.39	44.32	0.22	41.04	54.00	-12.96	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT20 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	61.48	26.98	2.36	44.98	0.52	46.36	74.00	-27.64	P
*	1560.96	55.38	26.98	2.36	44.98	0.52	40.26	54.00	-13.74	A
*	4824.23	58.22	32.97	4.39	44.32	0.22	51.48	74.00	-22.52	P
*	4824.23	46.93	32.97	4.39	44.32	0.22	40.19	54.00	-13.81	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*

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Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT20 TX (CH Middle)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT20 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)
*	1320.08	63.33	25.74	2.15	45.17	0.44	46.50	74.00	-27.50	P
*	1320.08	58.52	25.74	2.15	45.17	0.44	41.69	54.00	-12.31	A
*	4876.63	56.67	33.13	4.41	44.34	0.23	50.11	74.00	-23.89	P
*	4876.63	46.39	33.13	4.41	44.34	0.23	39.83	54.00	-14.17	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT20 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	60.86	26.97	2.36	44.98	0.52	45.74	74.00	-28.26	P
*	1560.88	55.25	26.97	2.36	44.98	0.52	40.13	54.00	-13.87	A
*	4878.00	58.47	33.13	4.41	44.34	0.23	51.91	74.00	-22.09	P
*	4878.00	47.79	33.13	4.41	44.34	0.23	41.23	54.00	-12.77	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*

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Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT20 TX (CH High)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT20 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)
*	1320.05	63.75	25.74	2.15	45.17	0.44	46.92	74.00	-27.08	P
*	1320.05	59.15	25.74	2.15	45.17	0.44	42.32	54.00	-11.68	A
*	4923.43	57.25	33.27	4.44	44.35	0.23	50.84	74.00	-23.16	P
*	4923.43	46.72	33.27	4.44	44.35	0.23	40.31	54.00	-13.69	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT20 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)
*	1561.14	60.58	26.98	2.36	44.98	0.52	45.46	74.00	-28.54	P
*	1561.14	54.76	26.98	2.36	44.98	0.52	39.64	54.00	-14.36	A
*	4922.08	56.59	33.27	4.44	44.35	0.23	50.18	74.00	-23.82	P
*	4922.08	45.78	33.27	4.44	44.35	0.23	39.37	54.00	-14.63	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*

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Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT40 TX (CH Low)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT40 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)
*	1320.12	64.08	25.74	2.15	45.17	0.44	47.25	74.00	-26.75	P
*	1320.12	59.28	25.74	2.15	45.17	0.44	42.45	54.00	-11.55	A
*	4844.22	56.27	33.03	4.40	44.33	0.22	49.59	74.00	-24.41	P
*	4844.22	45.99	33.03	4.40	44.33	0.22	39.31	54.00	-14.69	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT40 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)
*	1561.23	60.72	26.98	2.36	44.98	0.52	45.60	74.00	-28.40	P
*	1561.23	54.85	26.98	2.36	44.98	0.52	39.73	54.00	-14.27	A
*	4844.54	56.62	33.03	4.40	44.33	0.23	49.95	74.00	-24.05	P
*	4844.54	46.50	33.03	4.40	44.33	0.23	39.83	54.00	-14.17	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*

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Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT40 TX (CH Middle)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT40 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)
*	1319.90	63.52	25.74	2.15	45.17	0.44	46.69	74.00	-27.31	P
*	1319.90	58.76	25.74	2.15	45.17	0.44	41.93	54.00	-12.07	A
*	4879.88	57.35	33.14	4.42	44.34	0.23	50.79	74.00	-23.21	P
*	4879.88	46.03	33.14	4.42	44.34	0.23	39.48	54.00	-14.52	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT40 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)
*	1561.06	61.68	26.98	2.36	44.98	0.52	46.56	74.00	-27.44	P
*	1561.06	55.46	26.98	2.36	44.98	0.52	40.34	54.00	-13.66	A
*	4875.28	56.47	33.13	4.41	44.34	0.23	49.90	74.00	-24.10	P
*	4875.28	45.88	33.13	4.41	44.34	0.23	39.31	54.00	-14.69	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*

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Product Name	Smart Cooker	Test Date	2018/07/25
Model	CK8522	Test By	Ted Huang
Test Mode	IEEE 802.11n HT40 TX (CH High)	TEMP& Humidity	28.6℃, 57%

	TX / IEEE 802.11n HT40 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)
*	1320.26	63.65	25.75	2.15	45.17	0.44	46.82	74.00	-27.18	P
*	1320.26	58.72	25.75	2.15	45.17	0.44	41.89	54.00	-12.11	A
*	4900.00	57.08	33.20	4.43	44.34	0.23	50.60	74.00	-23.40	P
*	4900.00	46.09	33.20	4.43	44.34	0.23	39.60	54.00	-14.40	A
	N/A	------	------	------	------	------	------	------	------	P
	N/A	------	------	------	------	------	------	------	------	A

	TX / IEEE 802.11n HT40 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)
*	1560.85	60.76	26.97	2.36	44.98	0.52	45.64	74.00	-28.36	P
*	1560.85	55.13	26.97	2.36	44.98	0.52	40.01	54.00	-13.99	A
*	4899.98	57.48	33.20	4.43	44.34	0.23	50.99	74.00	-23.01	P
*	4899.98	46.61	33.20	4.43	44.34	0.23	40.12	54.00	-13.88	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*

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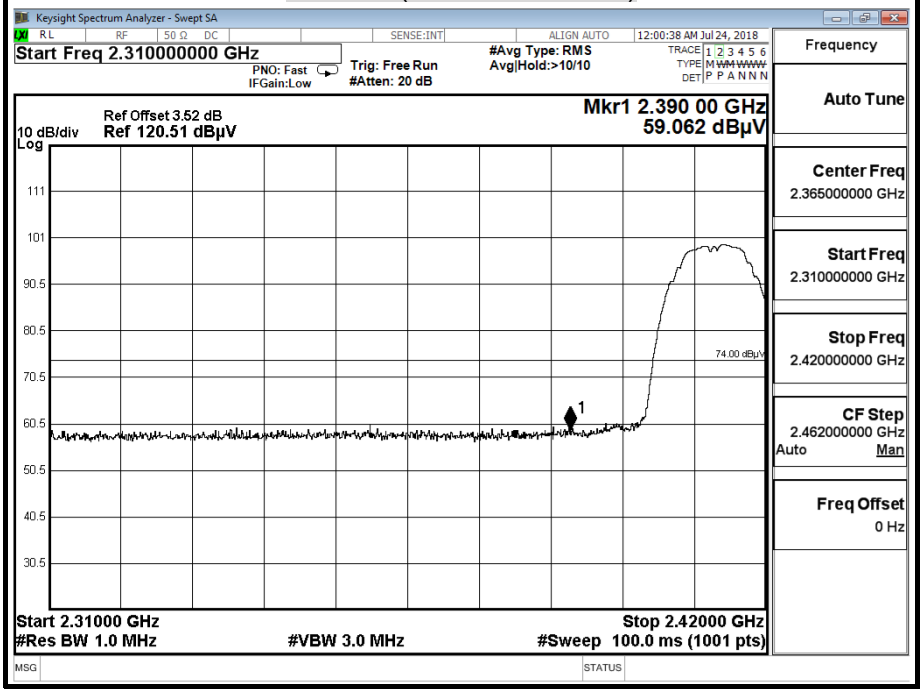
8.6.4 RESTRICTED BAND EDGES

Model Name	CK8522	Test By	Ted Huang
Temp & Humidity	26.5°C, 54%	Test Date	2018/07/25

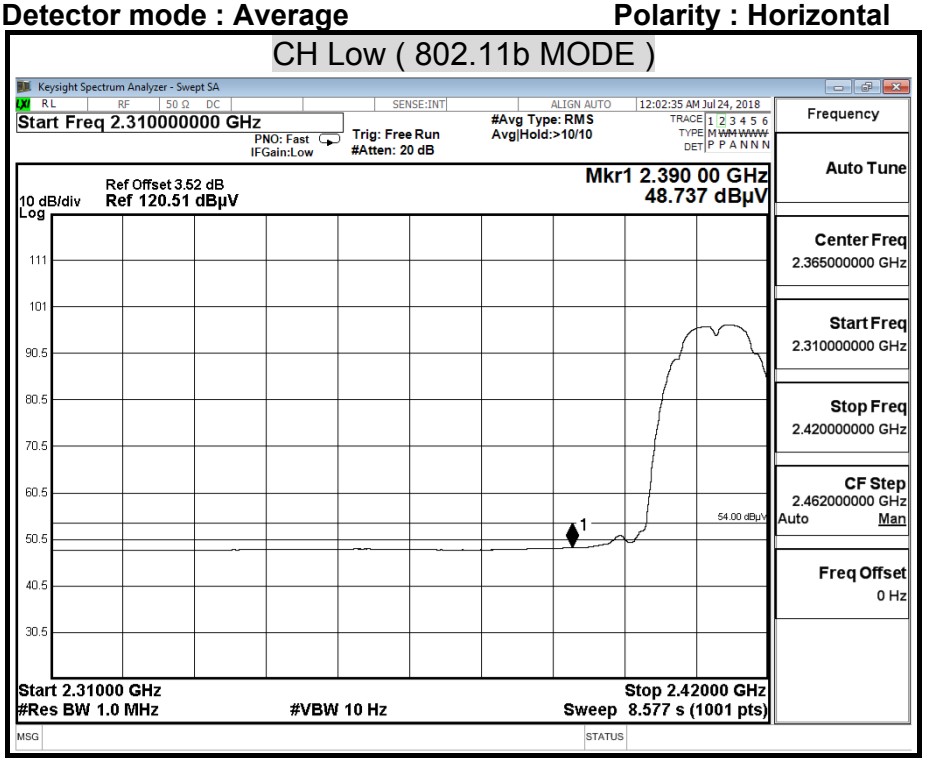
Detector mode : Peak **Polarity : Horizontal**

CH Low (802.11b MODE)



Detector mode : Average **Polarity : Horizontal**

CH Low (802.11b MODE)



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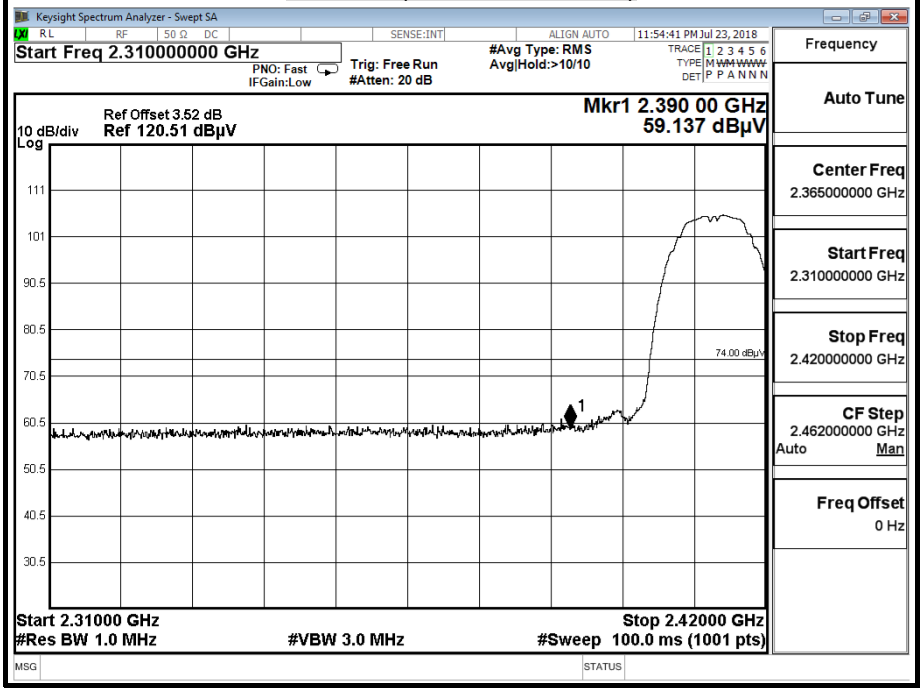
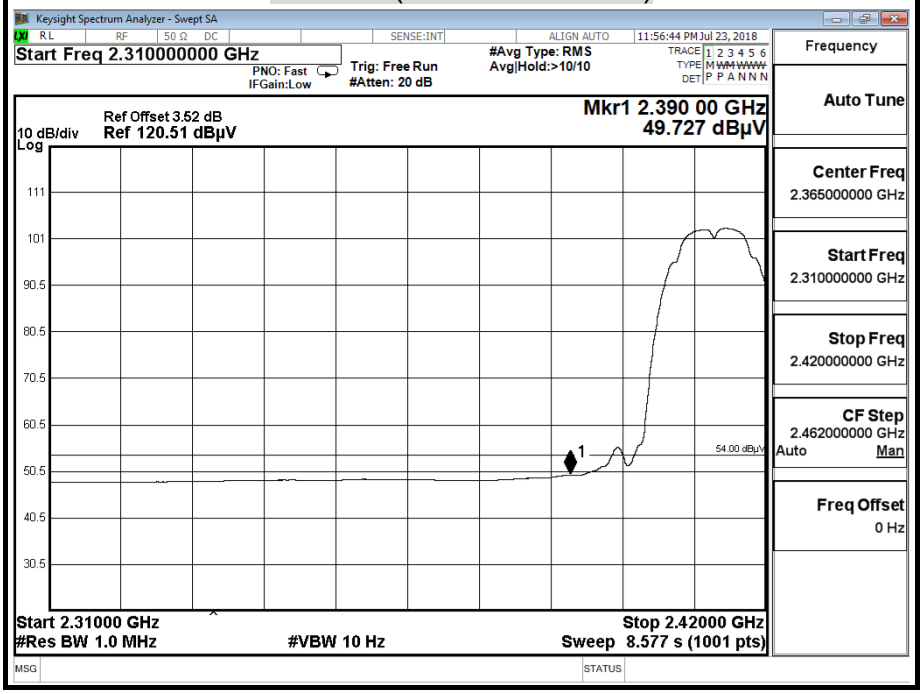
Detector mode : Peak **Polarity : Vertical**

CH Low (802.11b MODE)



Detector mode : Average **Polarity : Vertical**

CH Low (802.11b MODE)



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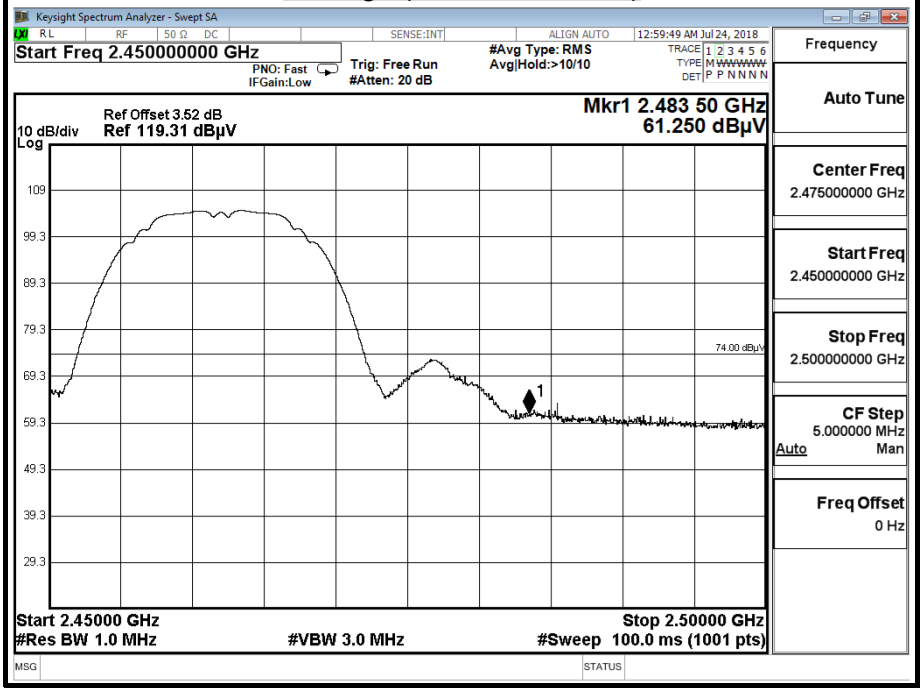
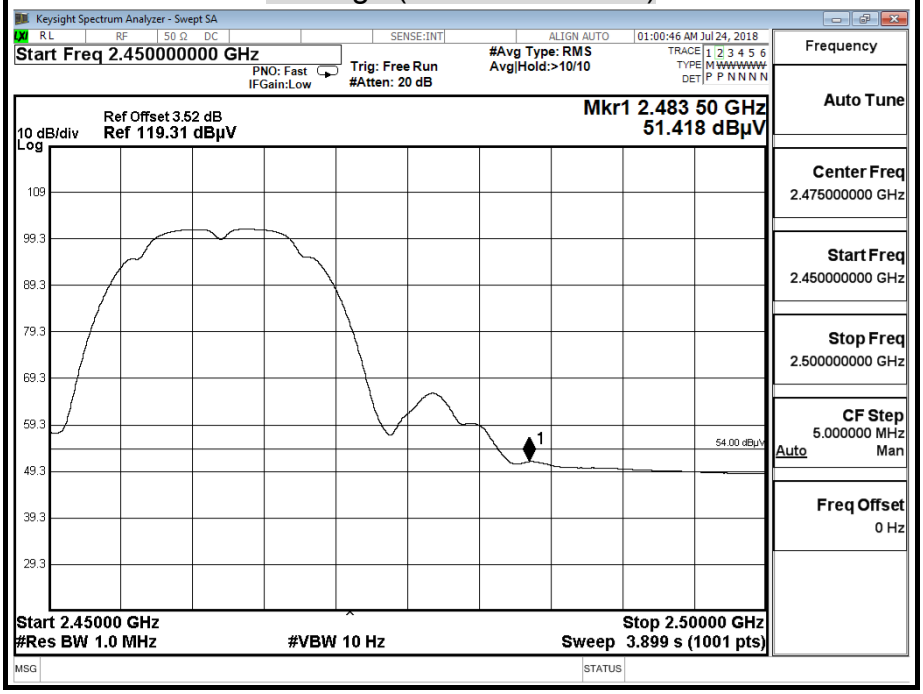
Detector mode : Peak **Polarity : Horizontal**

CH High (802.11b MODE)



Detector mode : Average **Polarity : Horizontal**

CH High (802.11b MODE)



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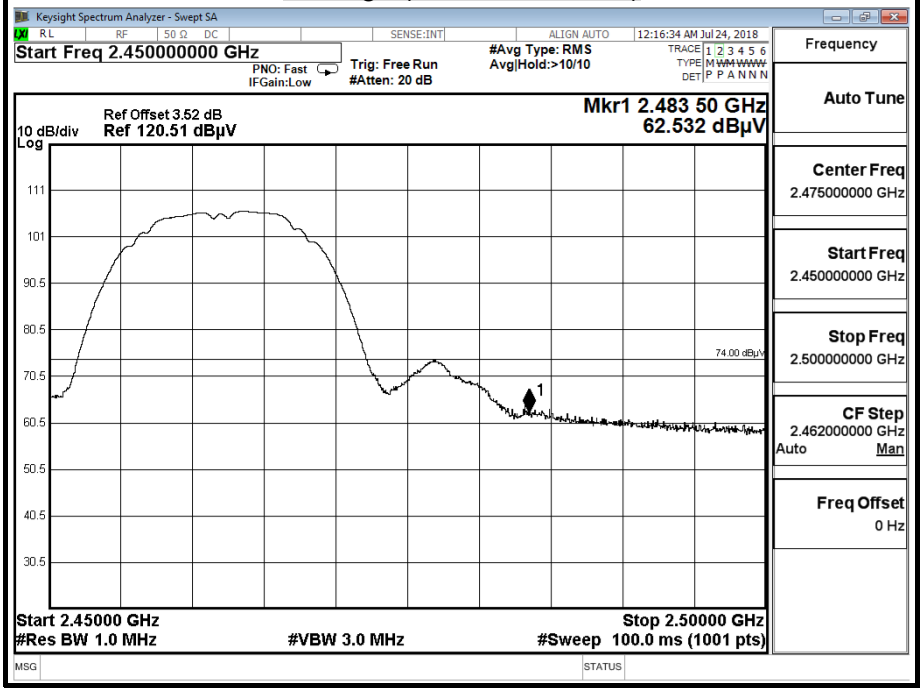
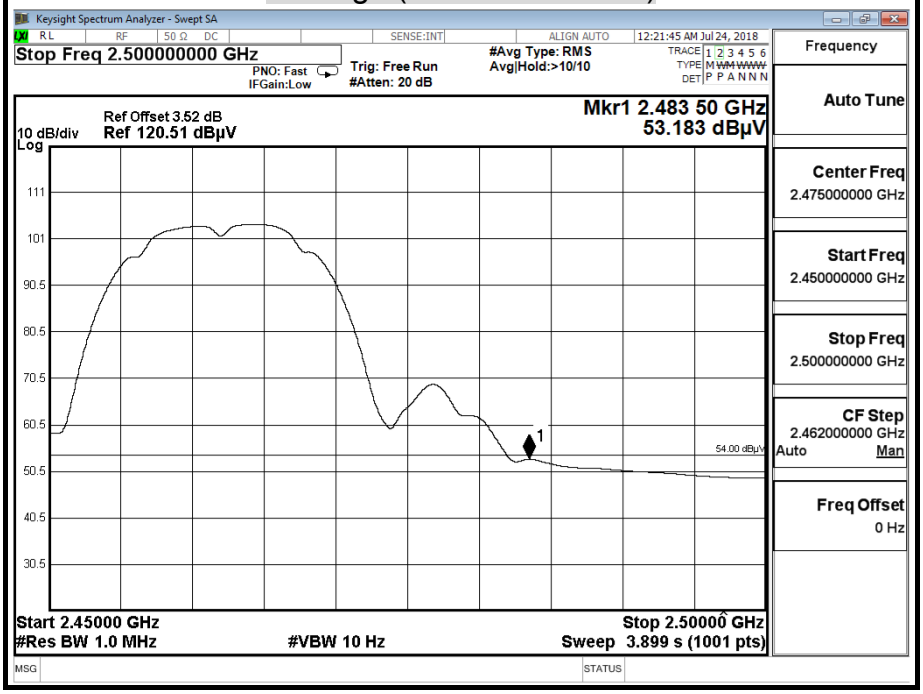
Detector mode : Peak **Polarity : Vertical**

CH High (802.11b MODE)



Detector mode : Average **Polarity : Vertical**

CH High (802.11b MODE)



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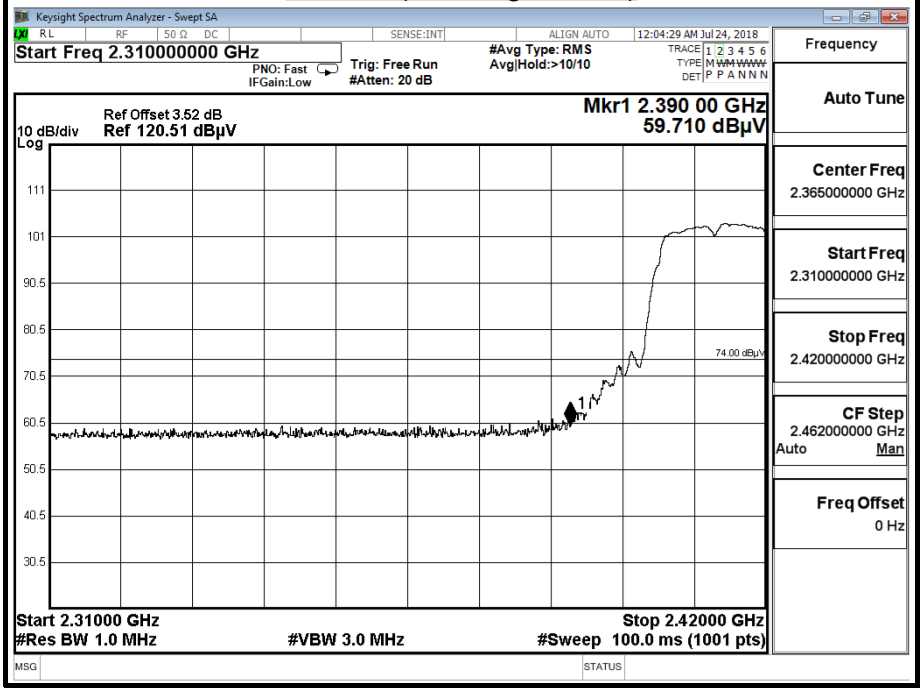
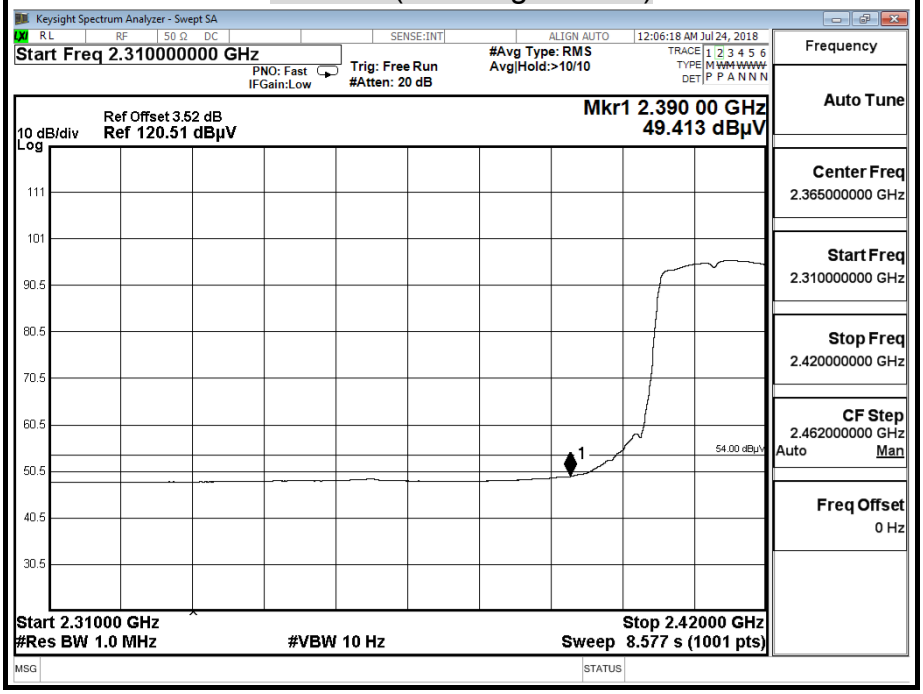
Detector mode : Peak **Polarity : Horizontal**

CH Low (802.11g MODE)



Detector mode : Average **Polarity : Horizontal**

CH Low (802.11g MODE)



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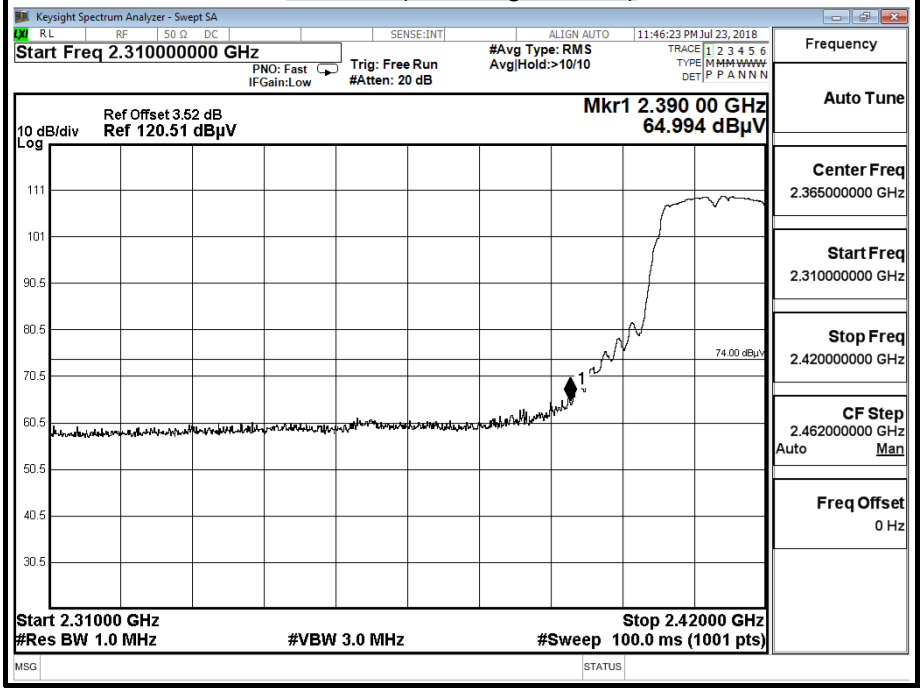
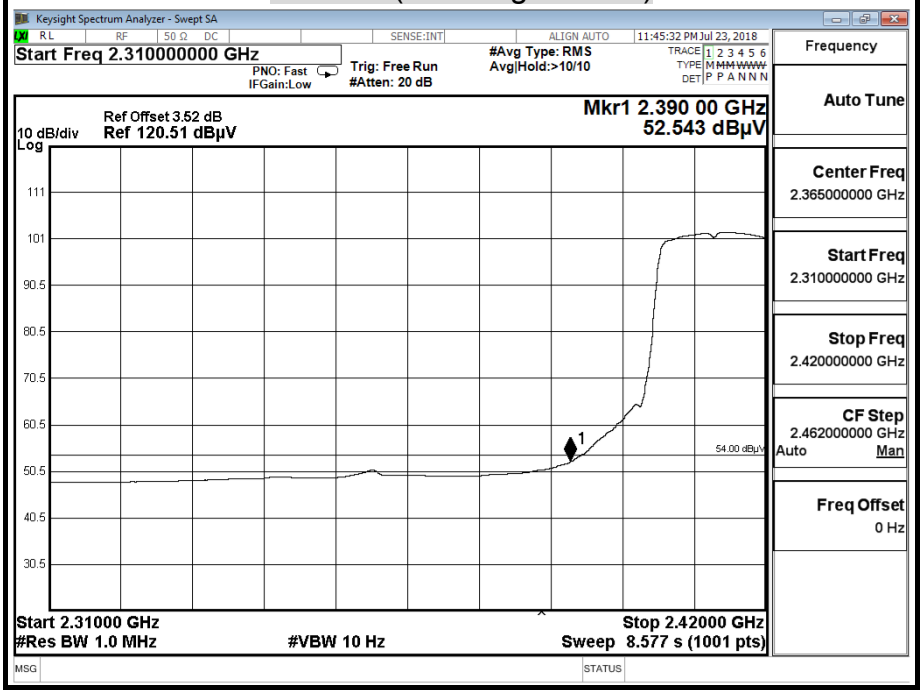
Detector mode : Peak **Polarity : Vertical**

CH Low (802.11g MODE)



Detector mode : Average **Polarity : Vertical**

CH Low (802.11g MODE)



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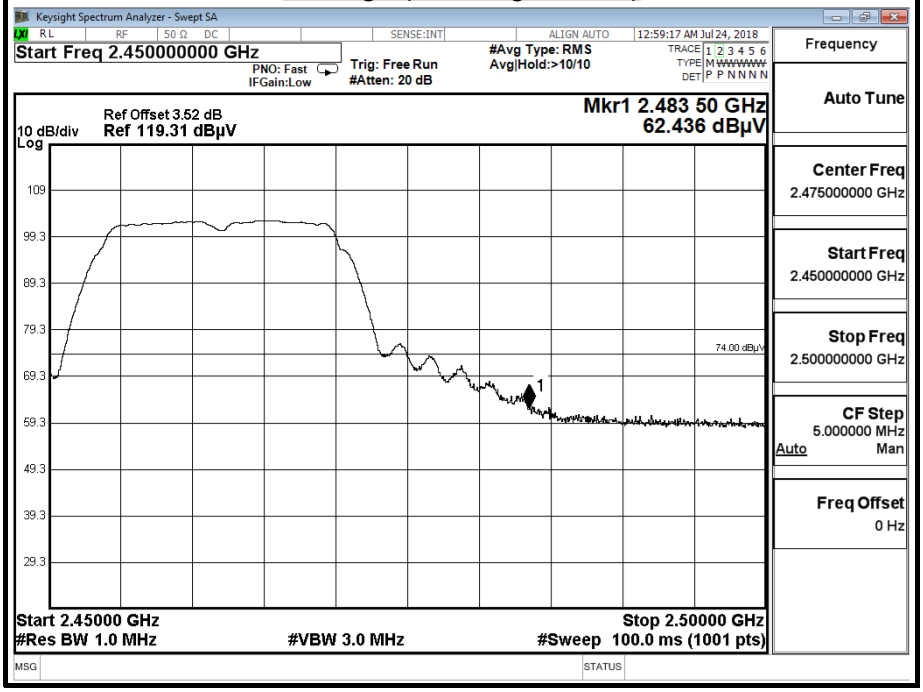
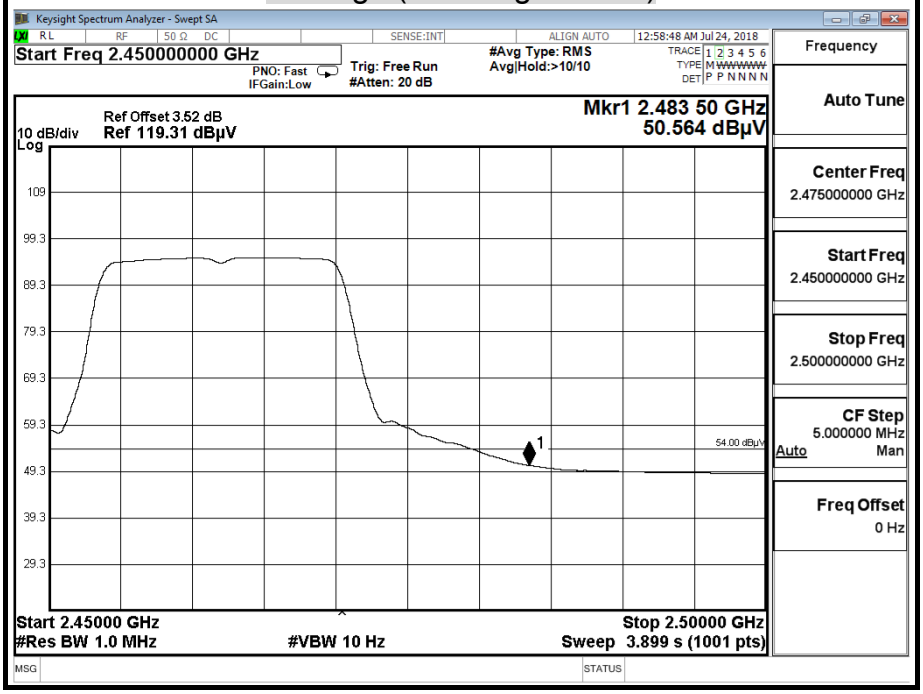
Detector mode : Peak **Polarity : Horizontal**

CH High (802.11g MODE)



Detector mode : Average **Polarity : Horizontal**

CH High (802.11g MODE)



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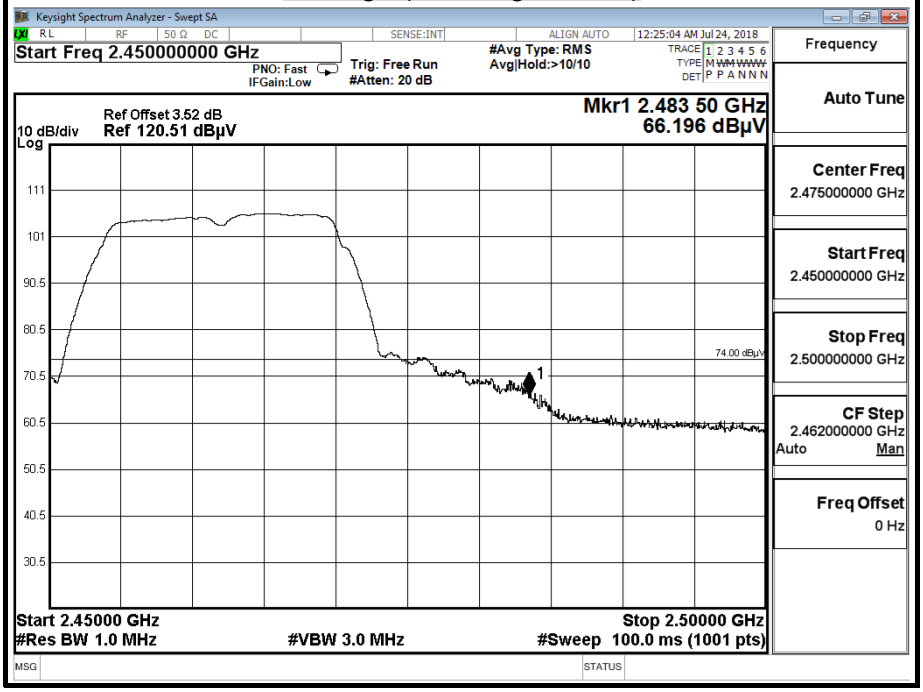
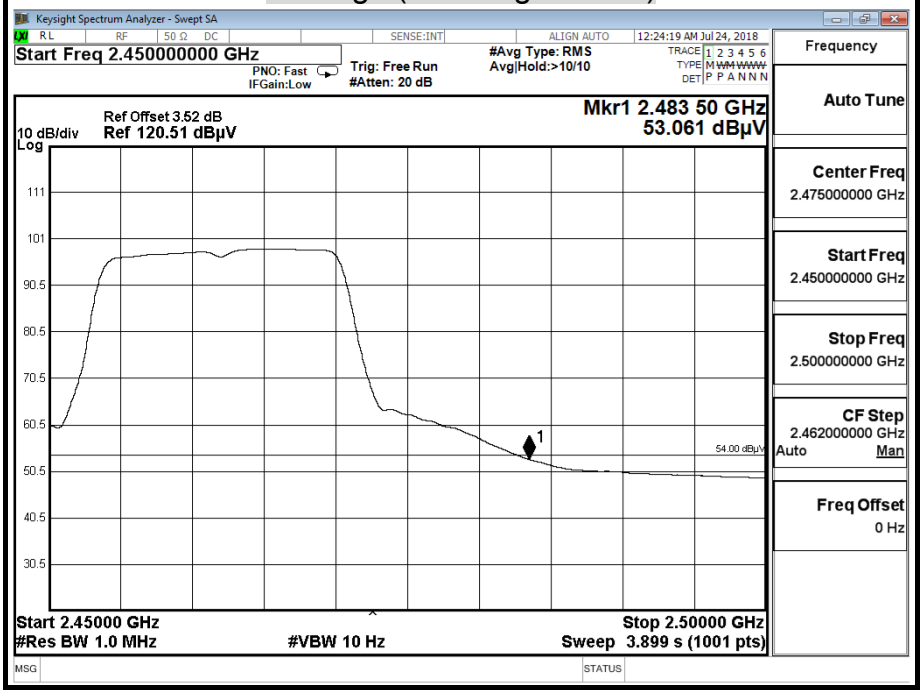
Detector mode : Peak **Polarity : Vertical**

CH High (802.11g MODE)



Detector mode : Average **Polarity : Vertical**

CH High (802.11g MODE)



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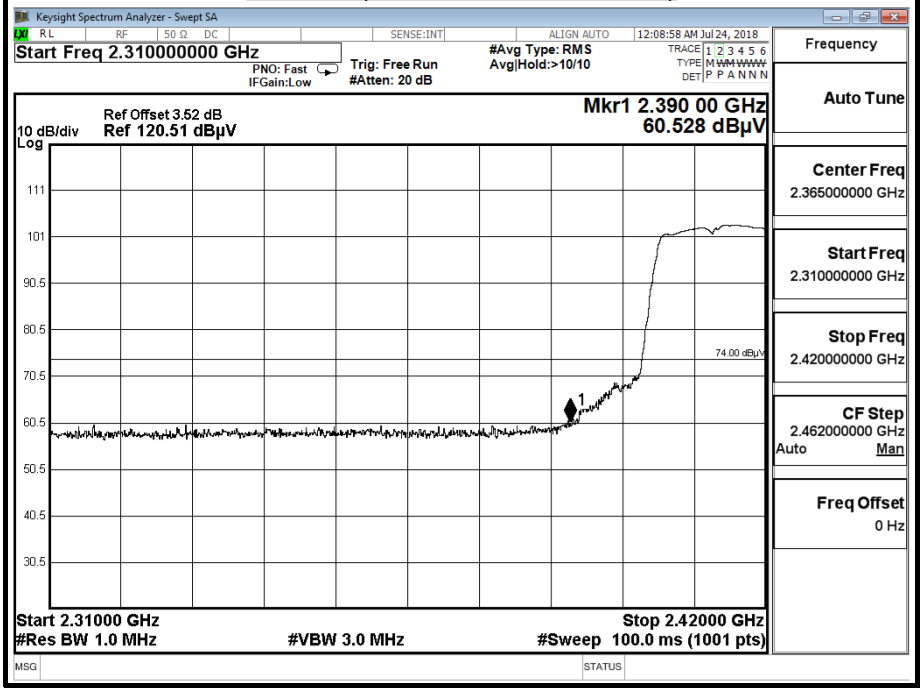
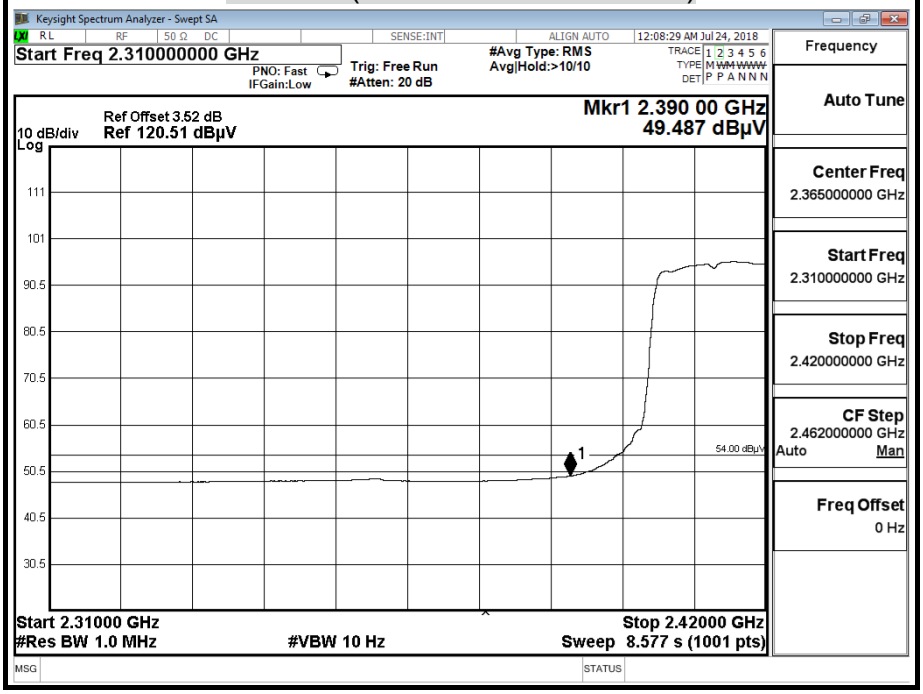
Detector mode : Peak **Polarity : Horizontal**

CH Low (802.11n HT20 MODE)



Detector mode : Average **Polarity : Horizontal**

CH Low (802.11n HT20 MODE)



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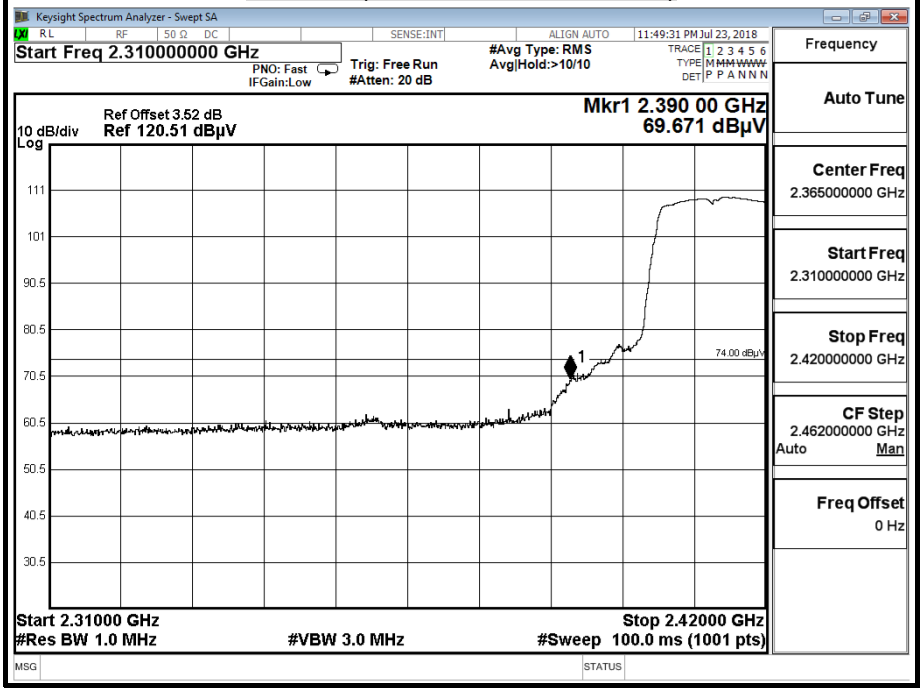
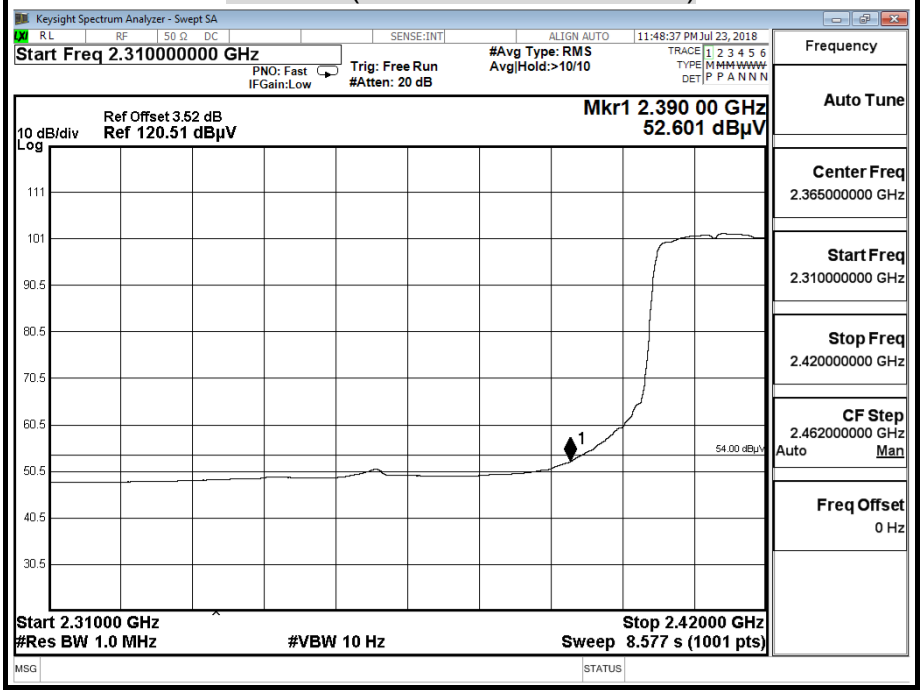
Detector mode : Peak **Polarity : Vertical**

CH Low (802.11n HT20 MODE)



Detector mode : Average **Polarity : Vertical**

CH Low (802.11n HT20 MODE)



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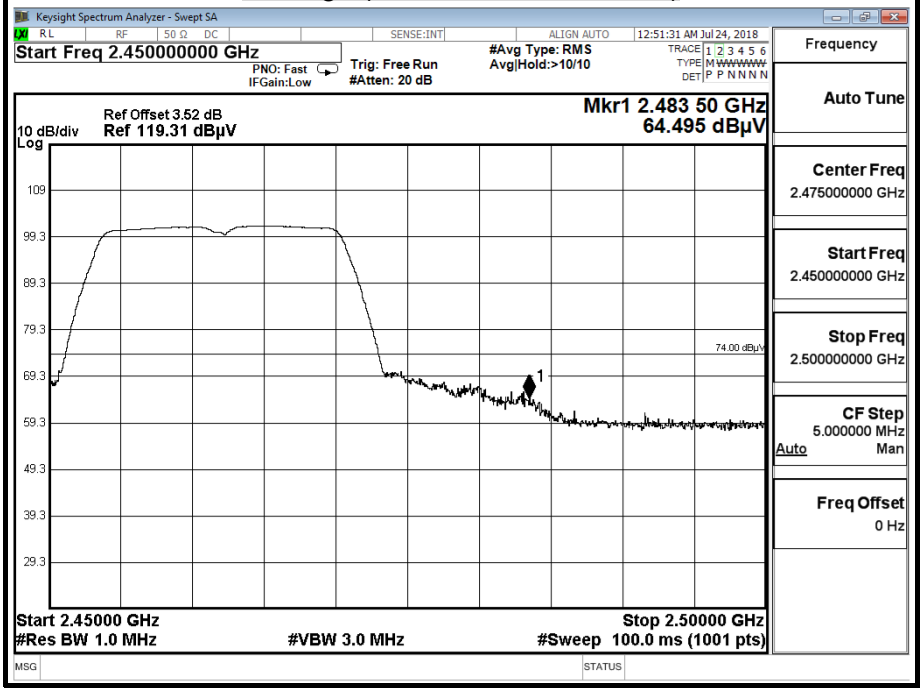
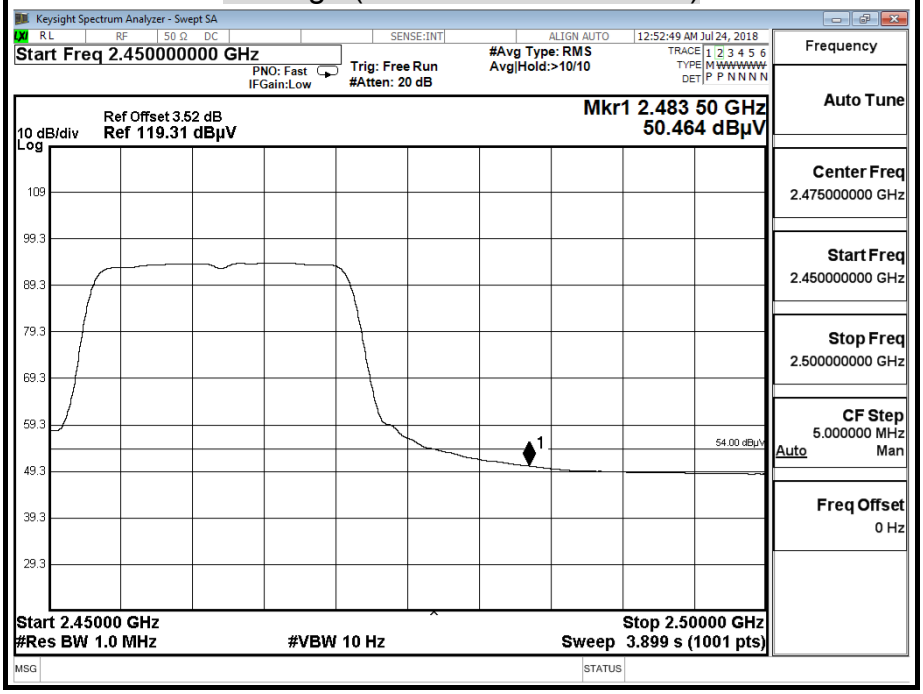
Detector mode : Peak **Polarity : Horizontal**

CH High (802.11n HT20 MODE)



Detector mode : Average **Polarity : Horizontal**

CH High (802.11n HT20 MODE)



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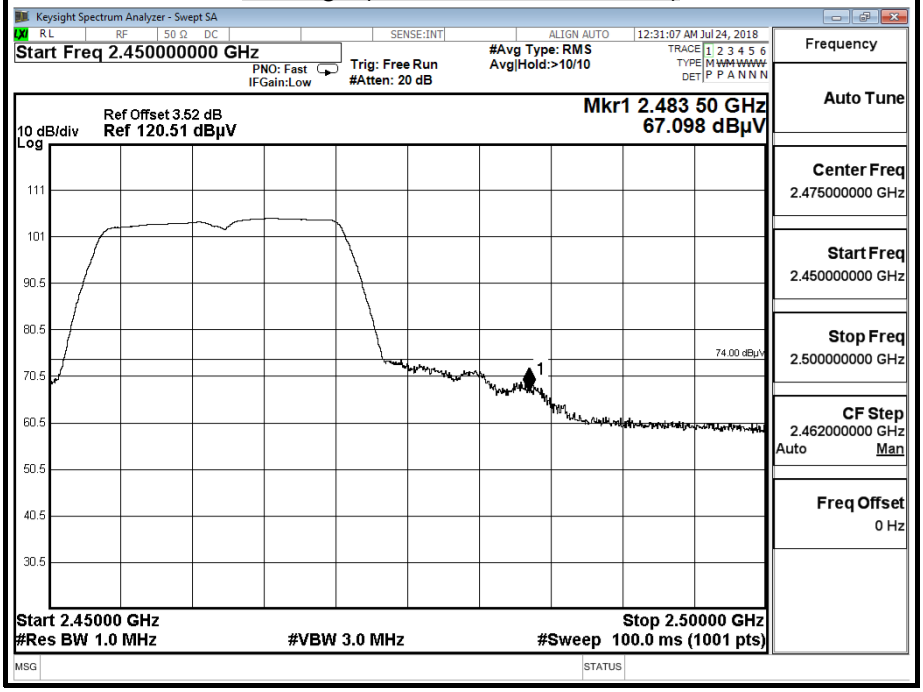
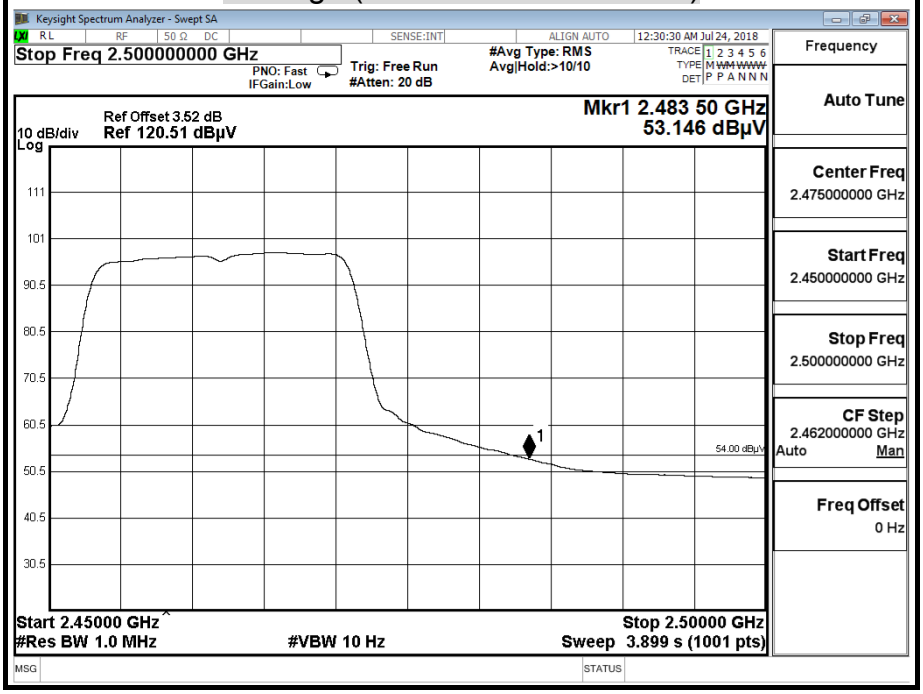
Detector mode : Peak **Polarity : Vertical**

CH High (802.11n HT20 MODE)



Detector mode : Average **Polarity : Vertical**

CH High (802.11n HT20 MODE)



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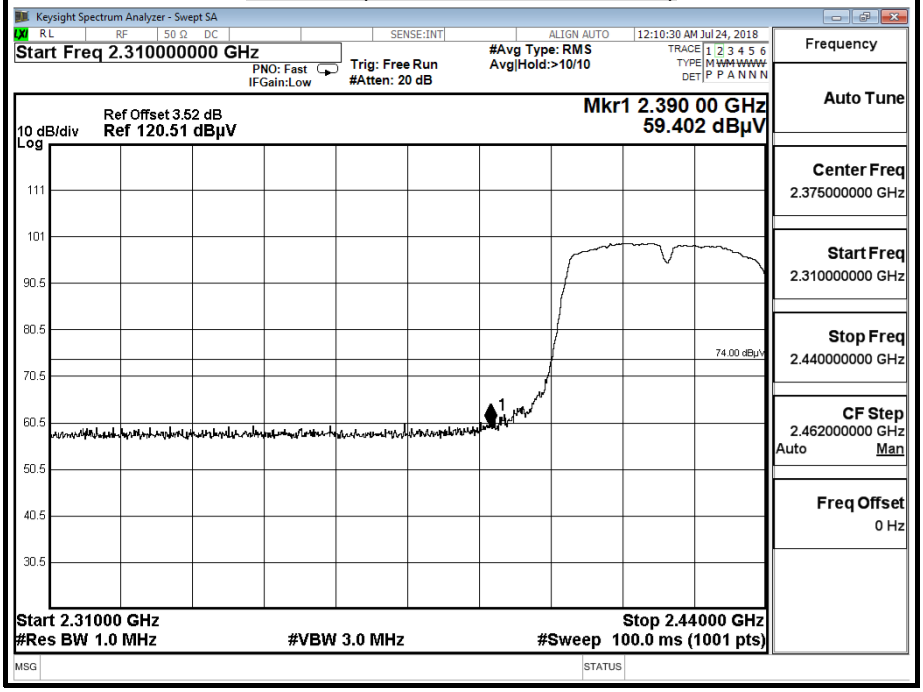
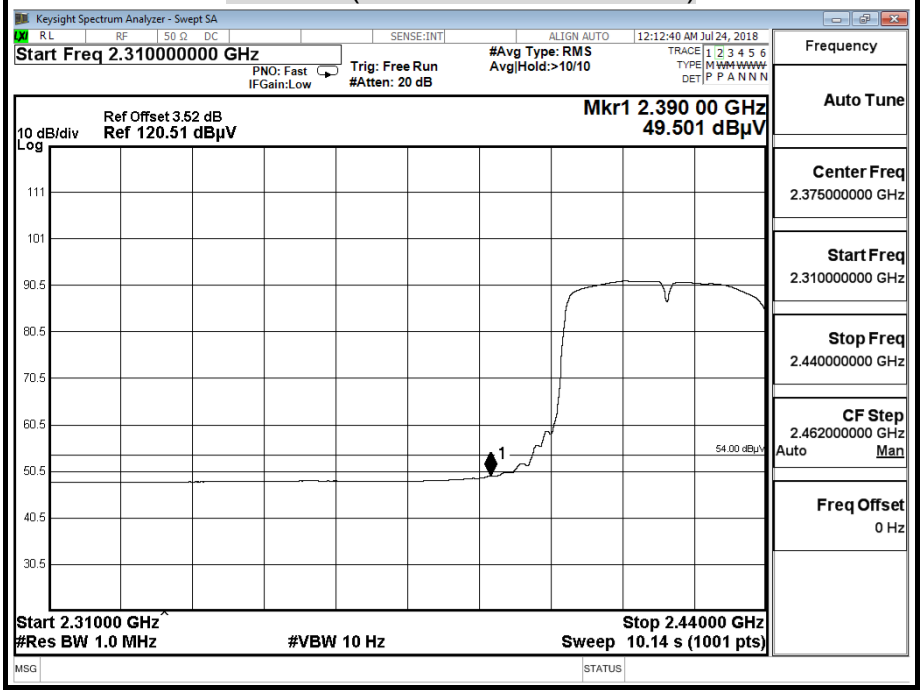
Detector mode : Peak **Polarity : Horizontal**

CH Low (802.11n HT40 MODE)



Detector mode : Average **Polarity : Horizontal**

CH Low (802.11n HT40 MODE)



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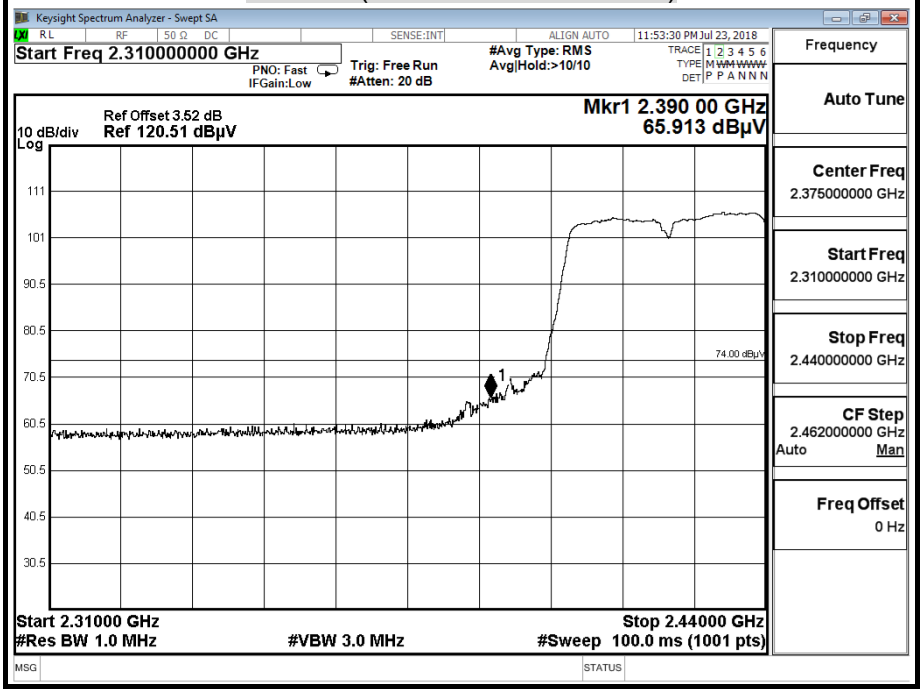
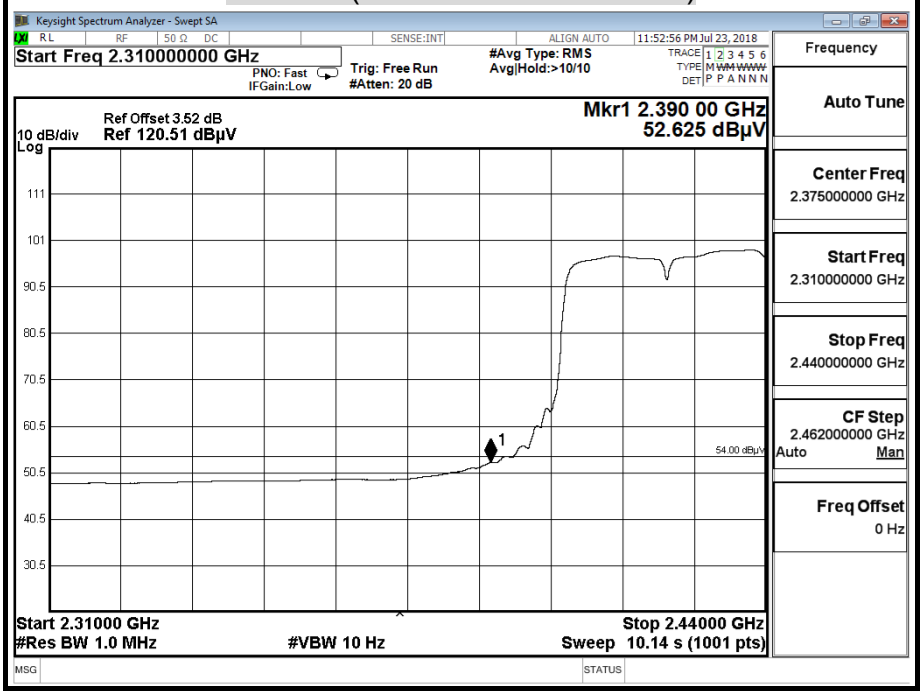
Detector mode : Peak **Polarity : Vertical**

CH Low (802.11n HT40 MODE)



Detector mode : Average **Polarity : Vertical**

CH Low (802.11n HT40 MODE)



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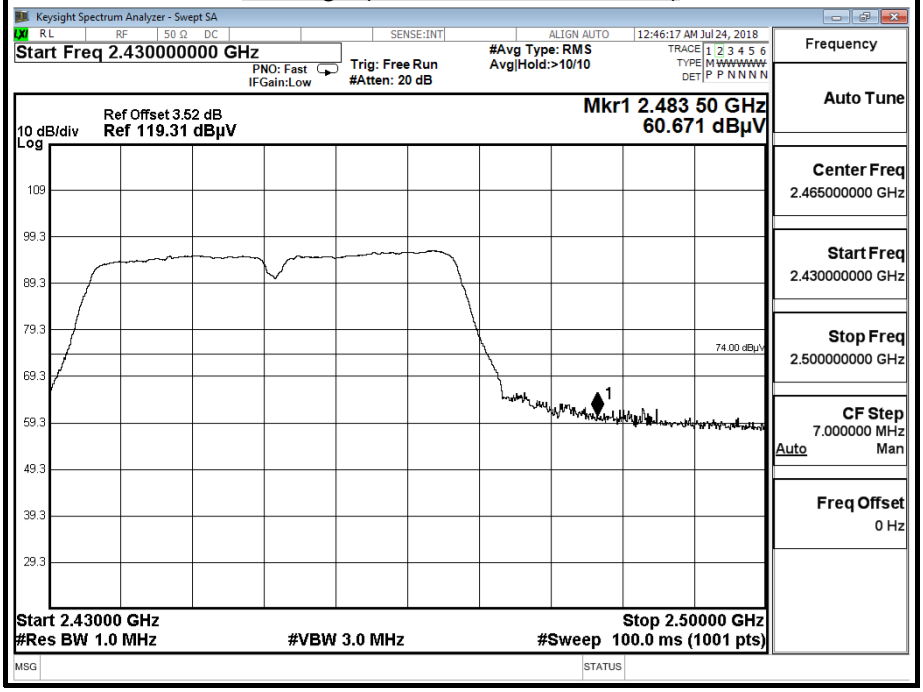
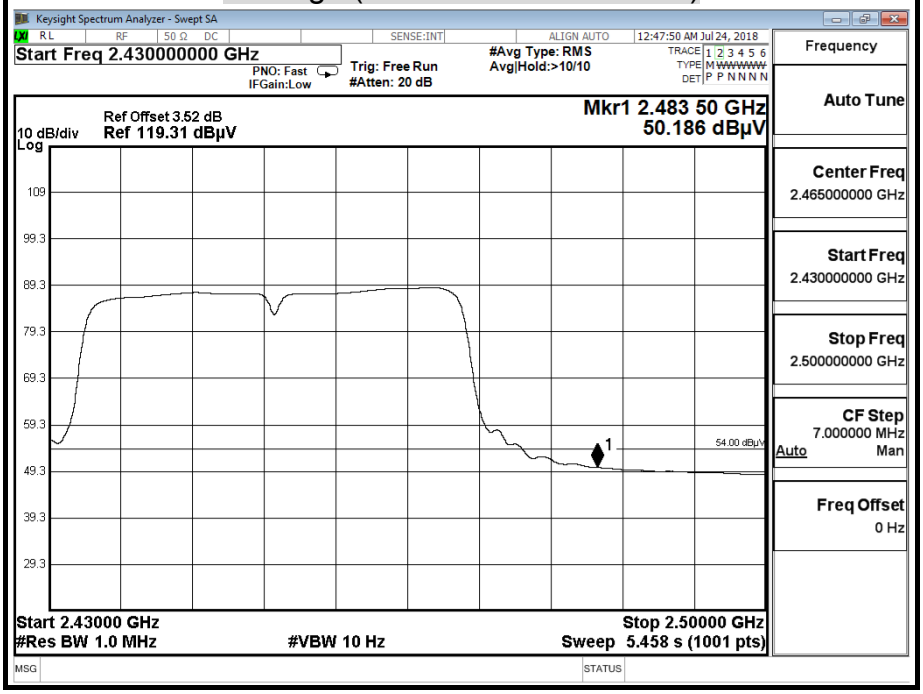
Detector mode : Peak **Polarity : Horizontal**

CH High (802.11n HT40 MODE)



Detector mode : Average **Polarity : Horizontal**

CH High (802.11n HT40 MODE)



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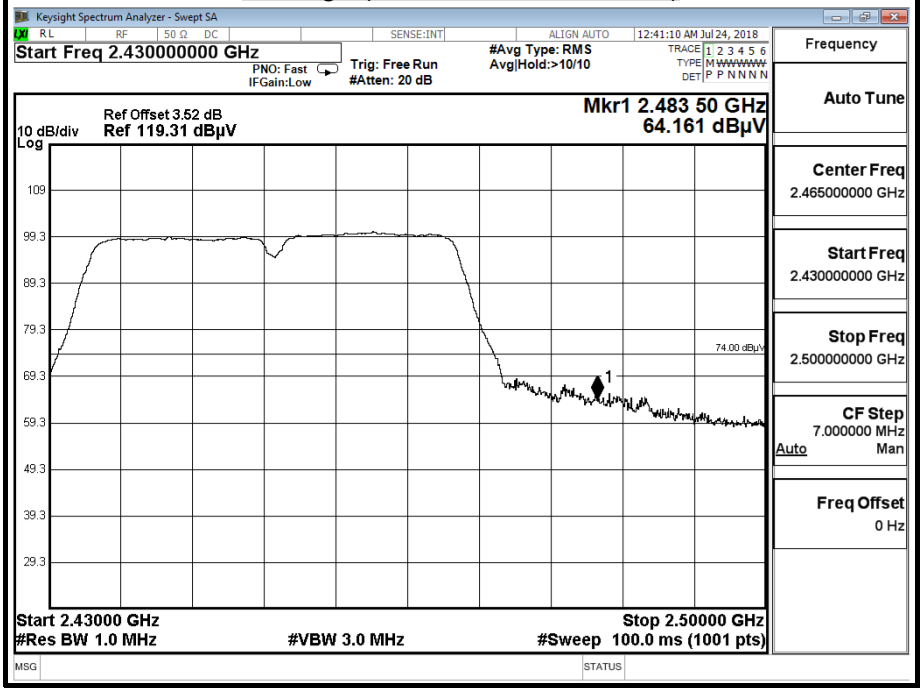
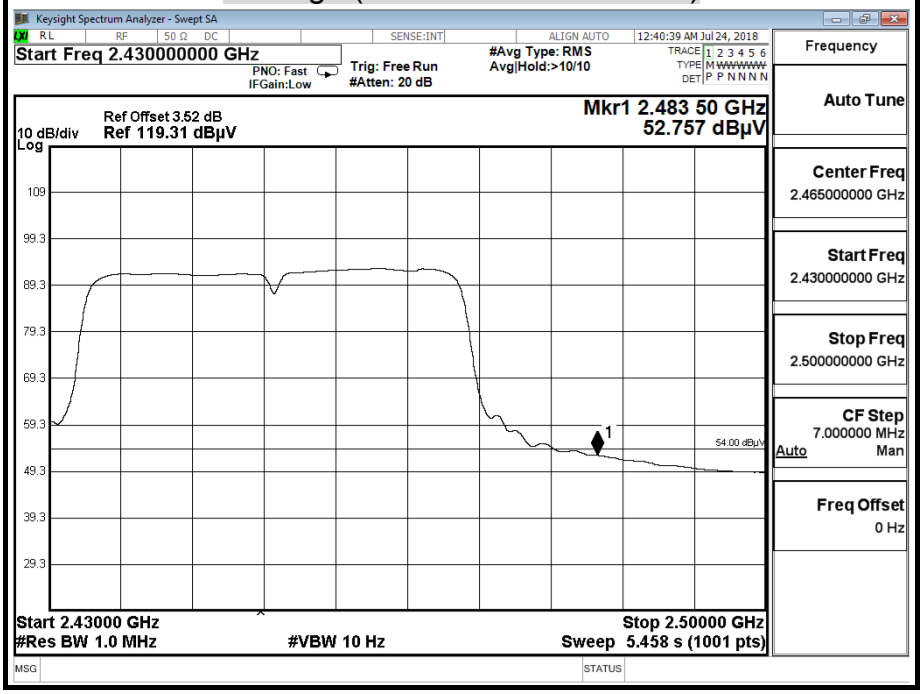
Detector mode : Peak **Polarity : Vertical**

CH High (802.11n HT40 MODE)



Detector mode : Average **Polarity : Vertical**

CH High (802.11n HT40 MODE)



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8.7 POWERLINE CONDUCTED EMISSIONS

LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) 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 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted limit (dBμv)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.5 - 5	56	46
5 - 30	60	50

TEST EQUIPMENTS

The following test equipments are used during the conducted power line tests：

Conducted Emission room #1					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
BNC Coaxial Cable	CCS	BNC50	11	01/24/2018	01/23/2019
EMI Test Receiver	R&S	ESCS 30	100348	01/31/2018	01/30/2019
LISN	SCHWARZBECK	NNLK8130	8130124	12/01/2017	11/30/2018
LISN	FCC	FCC-LISN-50-32-2	08009	05/24/2018	05/23/2019
Pulse Limiter	R&S	ESH3-Z2	100116	01/24/2018	01/23/2019
Test S/W	e-3 (5.04211j)				

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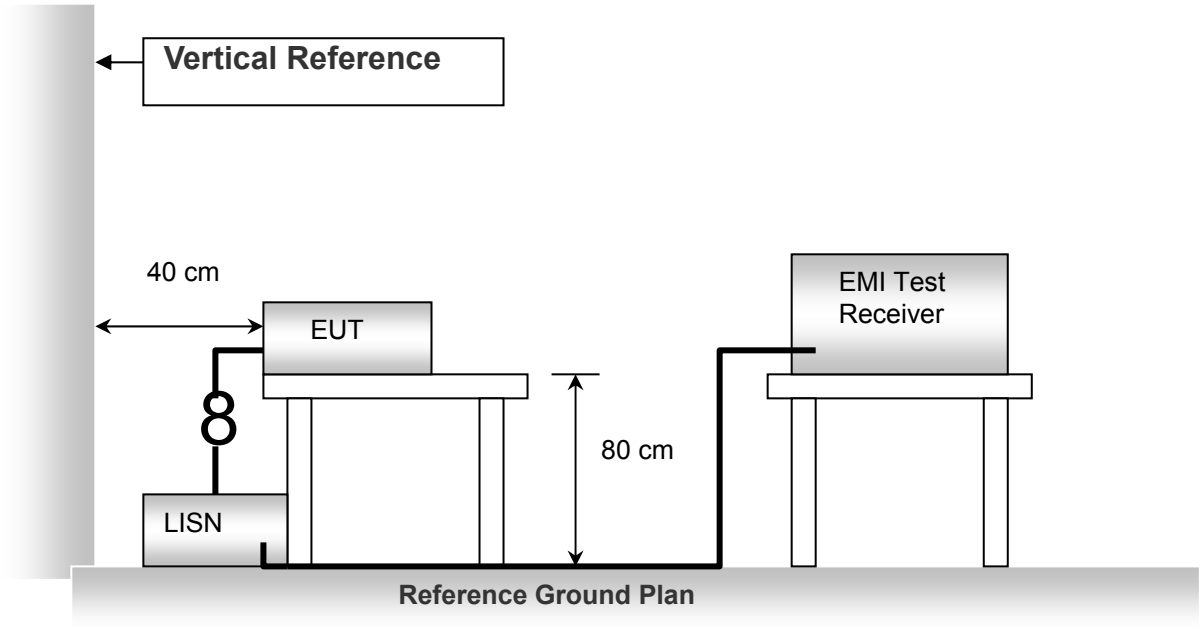
TEST SETUP



TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80cm above the horizontal ground plane. The EUT IS CONFIGURED IN ACCORDANCE WITH ANSI C63.10.

The resolution bandwidth is set to 9 kHz for both quasi-peak detection and average detection measurements.

Line conducted data is recorded for both NEUTRAL and LINE.

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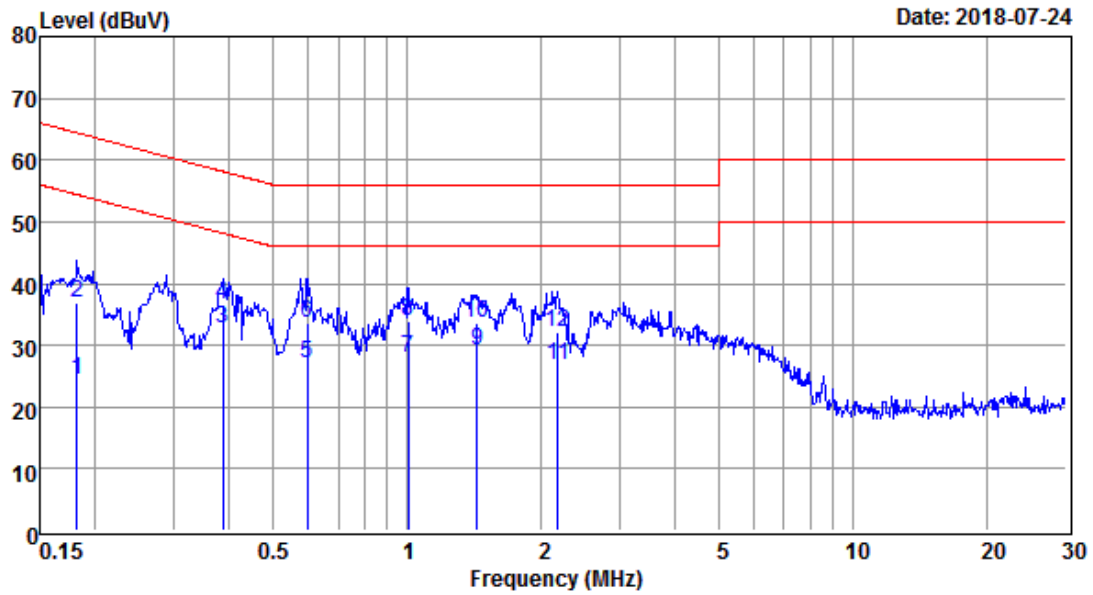
TEST RESULTS

No non-compliance noted.

Model No.	CK8522	**Test Mode**	1 YOGURT
Environmental Conditions	25℃, 55% RH	**Resolution Bandwidth**	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.18	15.72	8.67	0.05	24.44	54.42	-29.98	Average
0.18	28.07	8.67	0.05	36.79	64.42	-27.63	QP
0.39	24.02	8.75	0.07	32.84	48.17	-15.33	Average
0.39	27.82	8.75	0.07	36.64	58.17	-21.53	QP
0.60	18.22	8.80	0.10	27.12	46.00	-18.88	Average
0.60	24.63	8.80	0.10	33.53	56.00	-22.47	QP
1.00	19.01	8.85	0.11	27.97	46.00	-18.03	Average
1.00	24.94	8.85	0.11	33.90	56.00	-22.10	QP
1.43	20.19	8.87	0.12	29.18	46.00	-16.82	Average
1.43	24.74	8.87	0.12	33.73	56.00	-22.27	QP
2.18	17.83	8.89	0.13	26.85	46.00	-19.15	Average
2.18	23.07	8.89	0.13	32.09	56.00	-23.91	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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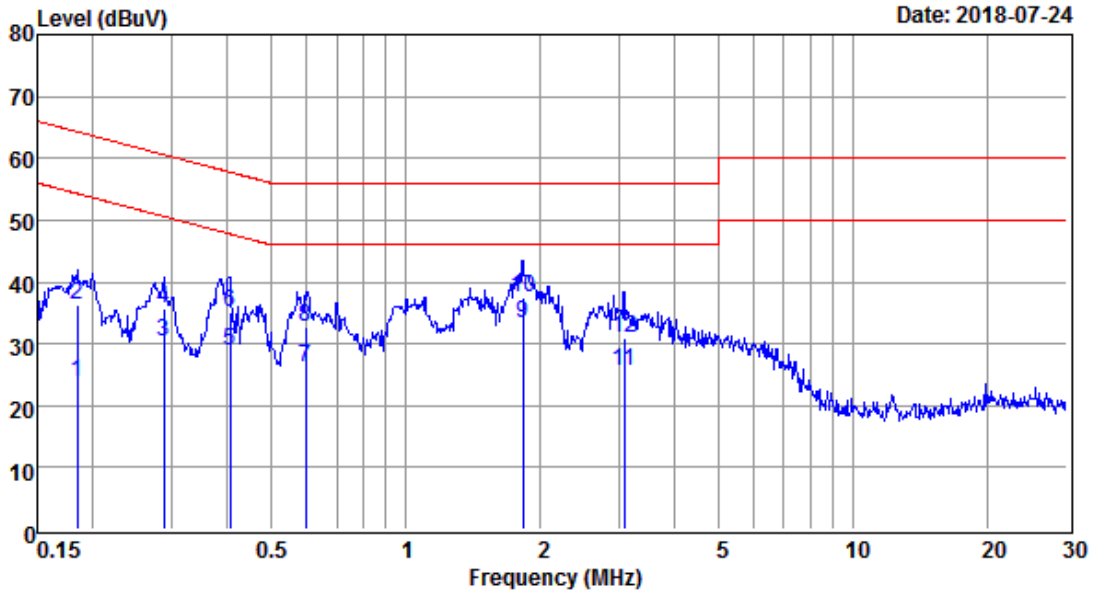
Model No.	CK8522	Test Mode	1 YOGURT
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

NEUTRAL

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.18	15.12	8.68	0.05	23.85	54.28	-30.43	Average
0.18	27.69	8.68	0.05	36.42	64.28	-27.86	QP
0.29	21.44	8.73	0.07	30.24	50.59	-20.35	Average
0.29	26.91	8.73	0.07	35.71	60.59	-24.88	QP
0.40	20.01	8.77	0.07	28.85	47.77	-18.92	Average
0.40	26.14	8.77	0.07	34.98	57.77	-22.79	QP
0.60	17.33	8.81	0.10	26.24	46.00	-19.76	Average
0.60	23.85	8.81	0.10	32.76	56.00	-23.24	QP
1.83	24.24	8.90	0.13	33.27	46.00	-12.73	Average
1.83	28.51	8.90	0.13	37.54	56.00	-18.46	QP
3.07	16.35	8.94	0.14	25.43	46.00	-20.57	Average
3.07	21.81	8.94	0.14	30.89	56.00	-25.11	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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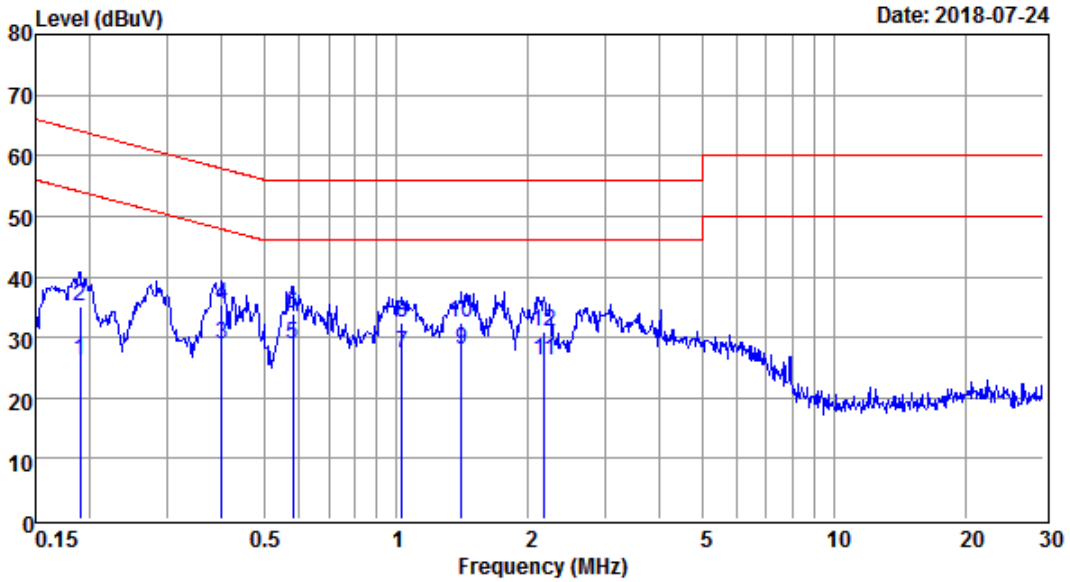
Model No.	CK8522	Test Mode	2 THERMAL
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.19	17.42	8.67	0.05	26.14	54.06	-27.92	Average
0.19	26.50	8.67	0.05	35.22	64.06	-28.84	QP
0.40	19.89	8.76	0.07	28.72	47.86	-19.14	Average
0.40	26.53	8.76	0.07	35.36	57.86	-22.50	QP
0.58	19.90	8.80	0.09	28.79	46.00	-17.21	Average
0.58	24.99	8.80	0.09	33.88	56.00	-22.12	QP
1.03	18.49	8.85	0.11	27.45	46.00	-18.55	Average
1.03	23.38	8.85	0.11	32.34	56.00	-23.66	QP
1.41	18.94	8.86	0.12	27.92	46.00	-18.08	Average
1.41	23.30	8.86	0.12	32.28	56.00	-23.72	QP
2.18	17.05	8.89	0.13	26.07	46.00	-19.93	Average
2.18	21.98	8.89	0.13	31.00	56.00	-25.00	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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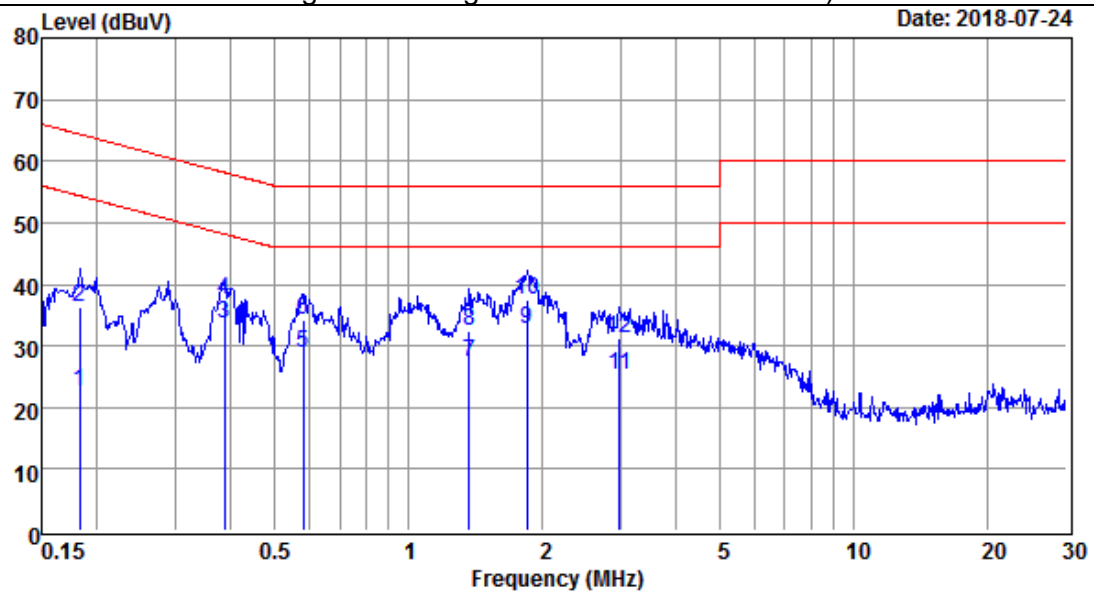
Model No.	CK8522	Test Mode	2 THERMAL
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.18	13.86	8.68	0.05	22.59	54.37	-31.78	Average
0.18	27.41	8.68	0.05	36.14	64.37	-28.23	QP
0.39	24.85	8.77	0.07	33.69	48.17	-14.48	Average
0.39	28.49	8.77	0.07	37.33	58.17	-20.84	QP
0.58	19.90	8.81	0.09	28.80	46.00	-17.20	Average
0.58	25.44	8.81	0.09	34.34	56.00	-21.66	QP
1.37	18.25	8.88	0.12	27.25	46.00	-18.75	Average
1.37	23.38	8.88	0.12	32.38	56.00	-23.62	QP
1.85	23.56	8.90	0.13	32.59	46.00	-13.41	Average
1.85	28.30	8.90	0.13	37.33	56.00	-18.67	QP
2.98	16.24	8.94	0.14	25.32	46.00	-20.68	Average
2.98	22.18	8.94	0.14	31.26	56.00	-24.74	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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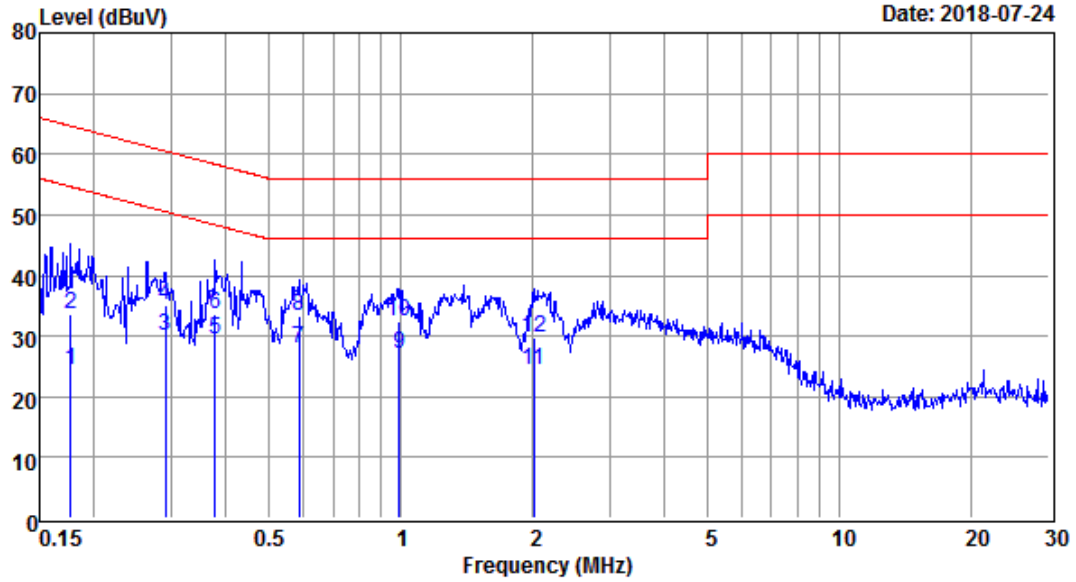
Model No.	CK8522	Test Mode	3 SIMMER
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.18	15.76	8.67	0.05	24.48	54.64	-30.16	Average
0.18	25.00	8.67	0.05	33.72	64.64	-30.92	QP
0.29	21.14	8.72	0.07	29.93	50.50	-20.57	Average
0.29	26.39	8.72	0.07	35.18	60.50	-25.32	QP
0.38	20.67	8.75	0.07	29.49	48.34	-18.85	Average
0.38	24.89	8.75	0.07	33.71	58.34	-24.63	QP
0.59	18.93	8.80	0.09	27.82	46.00	-18.18	Average
0.59	24.38	8.80	0.09	33.27	56.00	-22.73	QP
0.99	18.05	8.85	0.11	27.01	46.00	-18.99	Average
0.99	23.35	8.85	0.11	32.31	56.00	-23.69	QP
2.01	15.35	8.88	0.13	24.36	46.00	-21.64	Average
2.01	20.77	8.88	0.13	29.78	56.00	-26.22	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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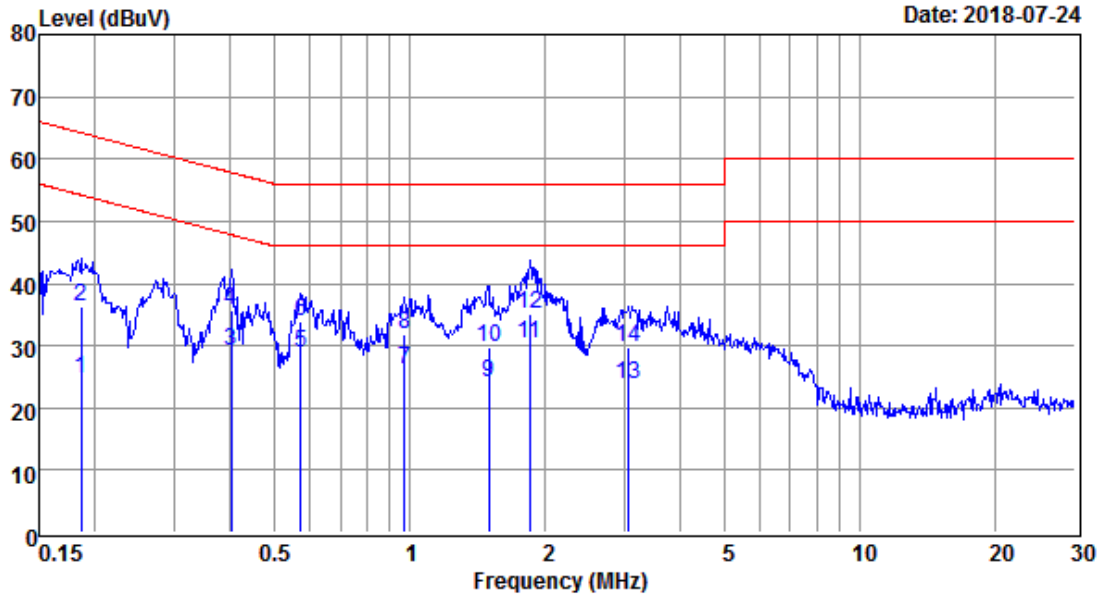
Model No.	CK8522	Test Mode	3 SIMMER
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.19	15.91	8.69	0.05	24.65	54.20	-29.55	Average
0.19	27.59	8.69	0.05	36.33	64.20	-27.87	QP
0.40	20.44	8.77	0.07	29.28	47.81	-18.53	Average
0.40	26.70	8.77	0.07	35.54	57.81	-22.27	QP
0.57	19.89	8.81	0.09	28.79	46.00	-17.21	Average
0.57	25.04	8.81	0.09	33.94	56.00	-22.06	QP
0.97	17.15	8.87	0.11	26.13	46.00	-19.87	Average
0.97	22.98	8.87	0.11	31.96	56.00	-24.04	QP
1.50	15.07	8.89	0.12	24.08	46.00	-21.92	Average
1.50	20.73	8.89	0.12	29.74	56.00	-26.26	QP
1.85	21.25	8.90	0.13	30.28	46.00	-15.72	Average
1.85	25.97	8.90	0.13	35.00	56.00	-21.00	QP
3.06	14.65	8.94	0.14	23.73	46.00	-22.27	Average
3.06	20.61	8.94	0.14	29.69	56.00	-26.31	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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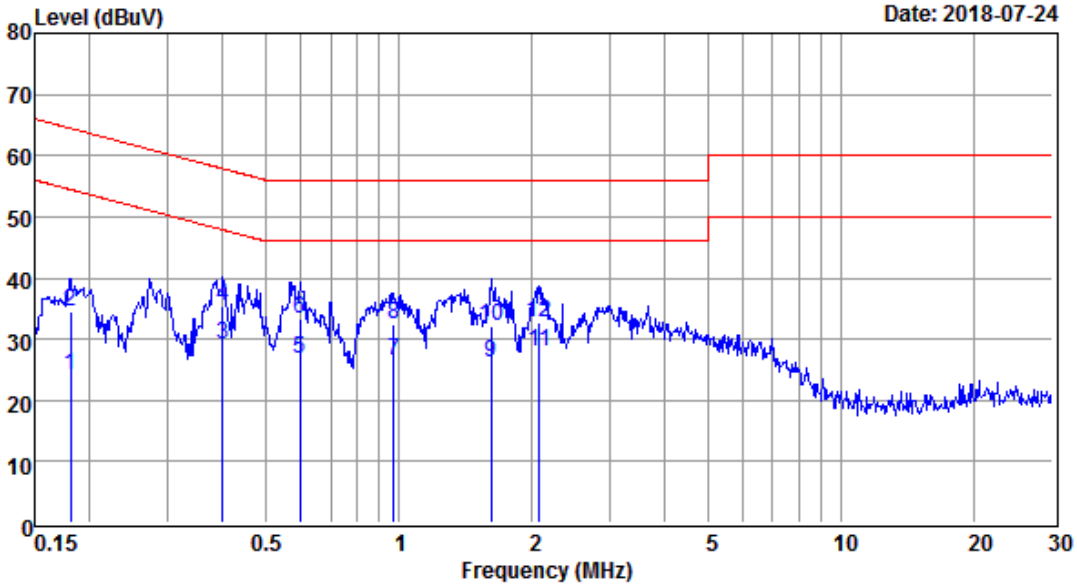
Model No.	CK8522	Test Mode	4 ROAST
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.18	15.27	8.67	0.05	23.99	54.46	-30.47	Average
0.18	25.77	8.67	0.05	34.49	64.46	-29.97	QP
0.40	20.35	8.76	0.07	29.18	47.86	-18.68	Average
0.40	26.61	8.76	0.07	35.44	57.86	-22.42	QP
0.60	17.94	8.80	0.10	26.84	46.00	-19.16	Average
0.60	24.26	8.80	0.10	33.16	56.00	-22.84	QP
0.97	17.55	8.85	0.11	26.51	46.00	-19.49	Average
0.97	23.51	8.85	0.11	32.47	56.00	-23.53	QP
1.62	17.26	8.87	0.12	26.25	46.00	-19.75	Average
1.62	23.05	8.87	0.12	32.04	56.00	-23.96	QP
2.08	18.98	8.88	0.13	27.99	46.00	-18.01	Average
2.08	23.69	8.88	0.13	32.70	56.00	-23.30	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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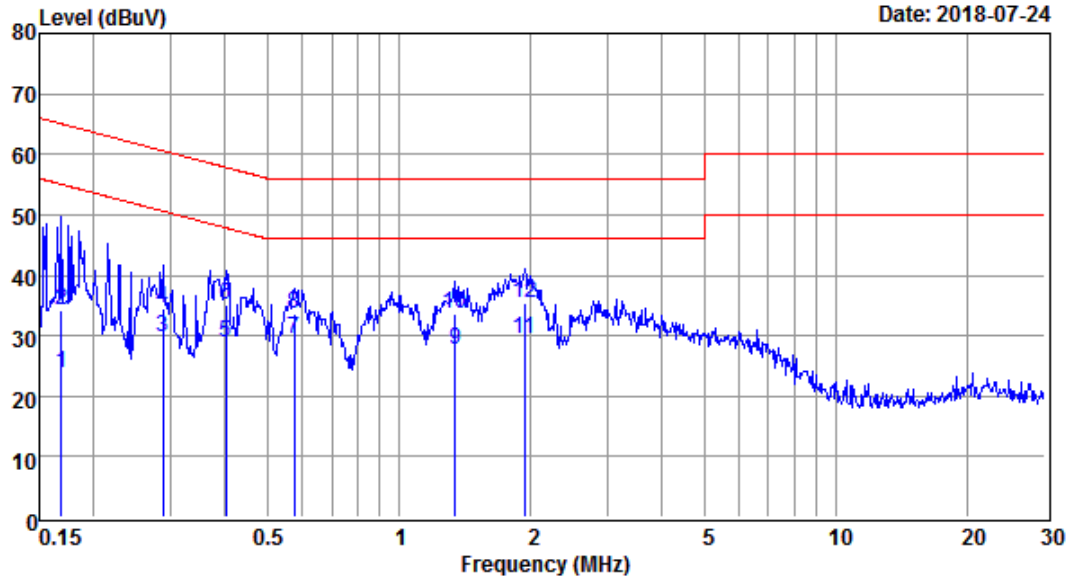
Model No.	CK8522	Test Mode	4 ROAST
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.17	15.13	8.68	0.05	23.86	55.03	-31.17	Average
0.17	25.53	8.68	0.05	34.26	65.03	-30.77	QP
0.29	20.90	8.73	0.07	29.70	50.59	-20.89	Average
0.29	25.71	8.73	0.07	34.51	60.59	-26.08	QP
0.40	20.01	8.77	0.07	28.85	47.81	-18.96	Average
0.40	26.36	8.77	0.07	35.20	57.81	-22.61	QP
0.58	20.46	8.81	0.09	29.36	46.00	-16.64	Average
0.58	24.61	8.81	0.09	33.51	56.00	-22.49	QP
1.34	18.68	8.88	0.12	27.68	46.00	-18.32	Average
1.34	24.67	8.88	0.12	33.67	56.00	-22.33	QP
1.94	20.29	8.90	0.13	29.32	46.00	-16.68	Average
1.94	26.32	8.90	0.13	35.35	56.00	-20.65	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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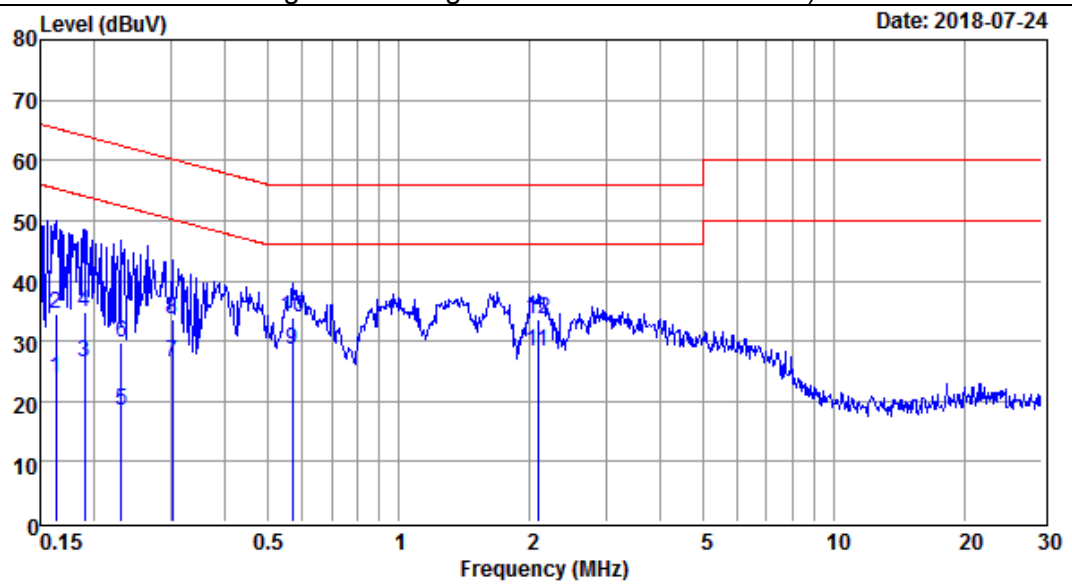
Model No.	CK8522	Test Mode	5 STEAM
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.16	15.18	8.66	0.05	23.89	55.30	-31.41	Average
0.16	25.72	8.66	0.05	34.43	65.30	-30.87	QP
0.19	17.67	8.67	0.05	26.39	54.06	-27.67	Average
0.19	25.95	8.67	0.05	34.67	64.06	-29.39	QP
0.23	9.82	8.69	0.06	18.57	52.44	-33.87	Average
0.23	21.10	8.69	0.06	29.85	62.44	-32.59	QP
0.30	17.67	8.72	0.07	26.46	50.19	-23.73	Average
0.30	24.69	8.72	0.07	33.48	60.19	-26.71	QP
0.57	19.74	8.79	0.09	28.62	46.00	-17.38	Average
0.57	25.17	8.79	0.09	34.05	56.00	-21.95	QP
2.09	19.23	8.88	0.13	28.24	46.00	-17.76	Average
2.09	24.51	8.88	0.13	33.52	56.00	-22.48	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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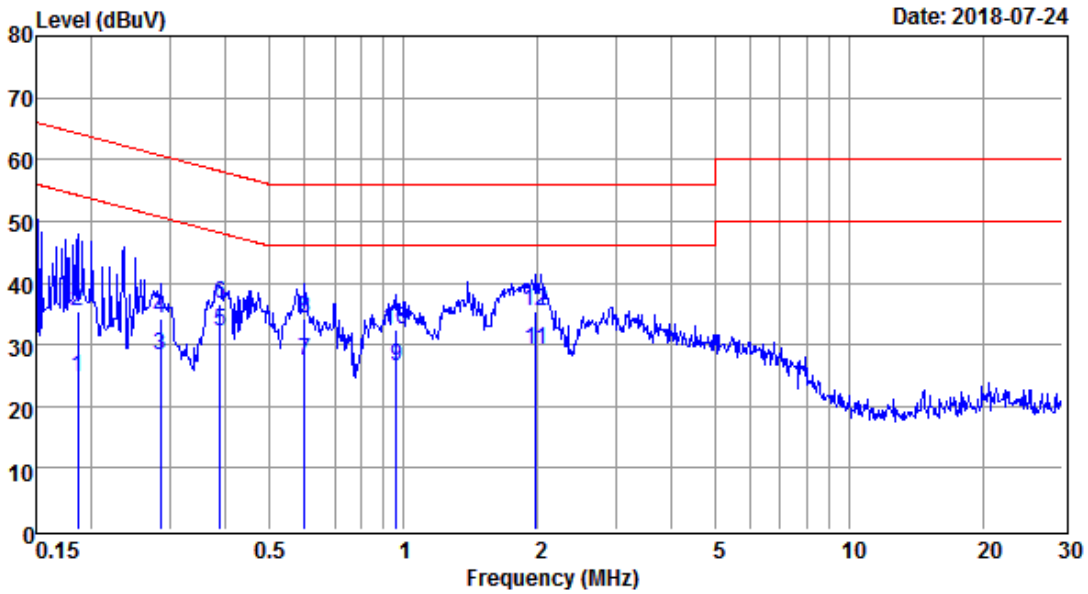
Model No.	CK8522	Test Mode	5 STEAM
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

NEUTRAL

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.19	15.89	8.69	0.05	24.63	54.20	-29.57	Average
0.19	26.52	8.69	0.05	35.26	64.20	-28.94	QP
0.28	19.38	8.73	0.07	28.18	50.68	-22.50	Average
0.28	25.49	8.73	0.07	34.29	60.68	-26.39	QP
0.39	23.34	8.77	0.07	32.18	48.12	-15.94	Average
0.39	27.71	8.77	0.07	36.55	58.12	-21.57	QP
0.60	18.54	8.81	0.10	27.45	46.00	-18.55	Average
0.60	25.29	8.81	0.10	34.20	56.00	-21.80	QP
0.96	17.46	8.87	0.11	26.44	46.00	-19.56	Average
0.96	23.30	8.87	0.11	32.28	56.00	-23.72	QP
1.98	20.13	8.90	0.13	29.16	46.00	-16.84	Average
1.98	26.23	8.90	0.13	35.26	56.00	-20.74	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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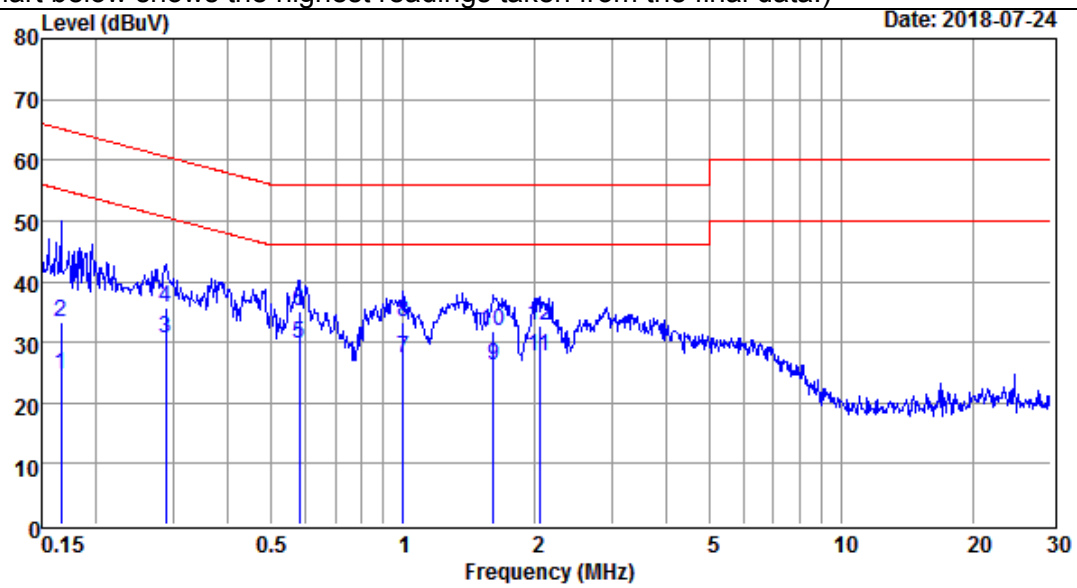
Model No.	CK8522	Test Mode	6 PRESSURE
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

LINE

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.17	15.90	8.66	0.05	24.61	55.16	-30.55	Average
0.17	24.56	8.66	0.05	33.27	65.16	-31.89	QP
0.29	21.96	8.72	0.07	30.75	50.59	-19.84	Average
0.29	27.03	8.72	0.07	35.82	60.59	-24.77	QP
0.58	20.94	8.80	0.09	29.83	46.00	-16.17	Average
0.58	26.19	8.80	0.09	35.08	56.00	-20.92	QP
1.00	18.26	8.85	0.11	27.22	46.00	-18.78	Average
1.00	24.22	8.85	0.11	33.18	56.00	-22.82	QP
1.61	17.03	8.87	0.12	26.02	46.00	-19.98	Average
1.61	22.71	8.87	0.12	31.70	56.00	-24.30	QP
2.04	18.62	8.88	0.13	27.63	46.00	-18.37	Average
2.04	23.62	8.88	0.13	32.63	56.00	-23.37	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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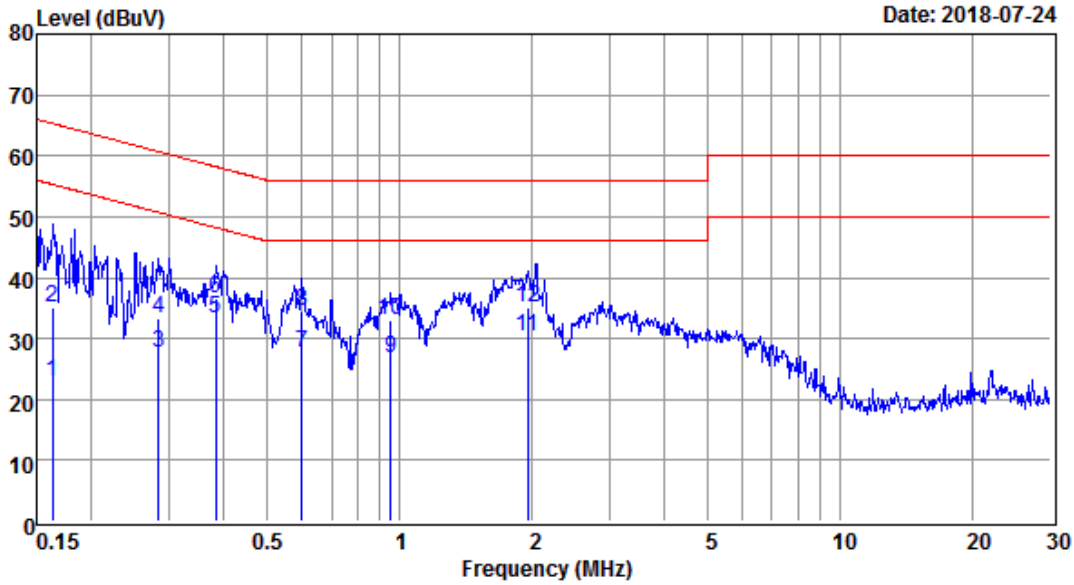
Model No.	CK8522	Test Mode	6 PRESSURE
Environmental Conditions	25℃, 55% RH	Resolution Bandwidth	9 kHz
Tested by	Weici Lo		

NEUTRAL

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



Freq MHz	Reading Level dBuV	LISN Factor dB	Cable Lose dB	Result dBuV	Limit dBuV	Over Limit dBuV	Detector
0.16	14.20	8.68	0.05	22.93	55.30	-32.37	Average
0.16	26.33	8.68	0.05	35.06	65.30	-30.24	QP
0.28	18.75	8.73	0.07	27.55	50.72	-23.17	Average
0.28	24.52	8.73	0.07	33.32	60.72	-27.40	QP
0.38	24.58	8.76	0.07	33.41	48.21	-14.80	Average
0.38	27.88	8.76	0.07	36.71	58.21	-21.50	QP
0.60	18.60	8.81	0.10	27.51	46.00	-18.49	Average
0.60	25.69	8.81	0.10	34.60	56.00	-21.40	QP
0.95	17.81	8.86	0.11	26.78	46.00	-19.22	Average
0.95	23.97	8.86	0.11	32.94	56.00	-23.06	QP
1.95	21.29	8.90	0.13	30.32	46.00	-15.68	Average
1.95	26.09	8.90	0.13	35.12	56.00	-20.88	QP

REMARKS： 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

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9. ANTENNA REQUIREMENT

9.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.2 ANTENNA CONNECTED CONSTRUCTION

Antenna (1TX1RX)
Manufacturer: Master Wave Technology Co., Ltd.
Type: PCB
Mode: 98P8ZMIPF001
Gain：3.96dBi

===End of Test Report===

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