



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5240	
Note: Swann Wireless HD Smart Security Camera		

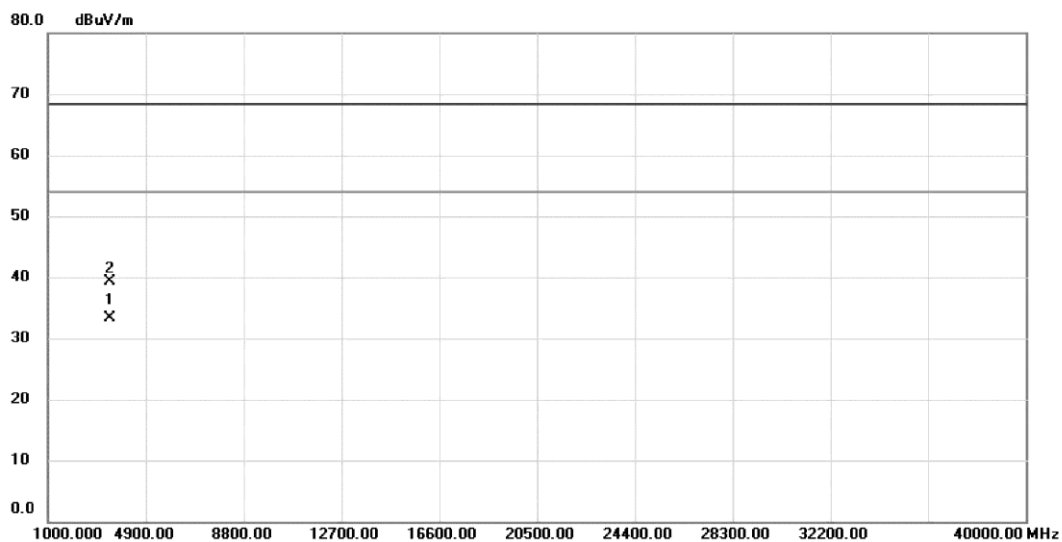
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#28

Date: 2016-11-25

Time: 10:30:49



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3493.313	31.90	1.32	33.22	54.00	-20.78	AVG	
2		3493.350	37.96	1.32	39.28	68.30	-29.02	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5745	
Note: Swann Wireless HD Smart Security Camera		

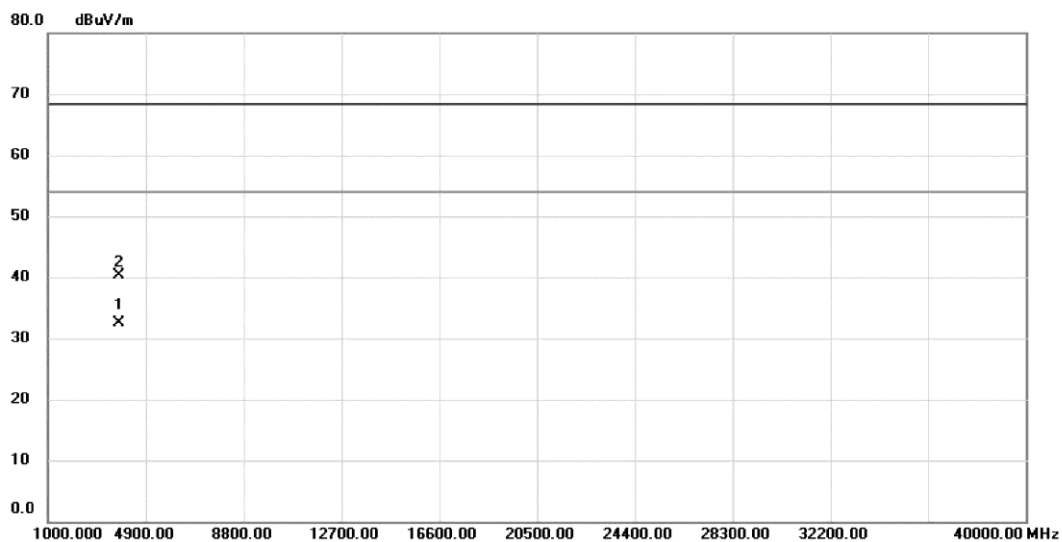
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#41

Date: 2016-11-25

Time: 11:50:28



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3829.970	30.20	2.39	32.59	54.00	-21.41	AVG	
2		3830.278	37.98	2.39	40.37	68.30	-27.93	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5745	
Note: Swann Wireless HD Smart Security Camera		

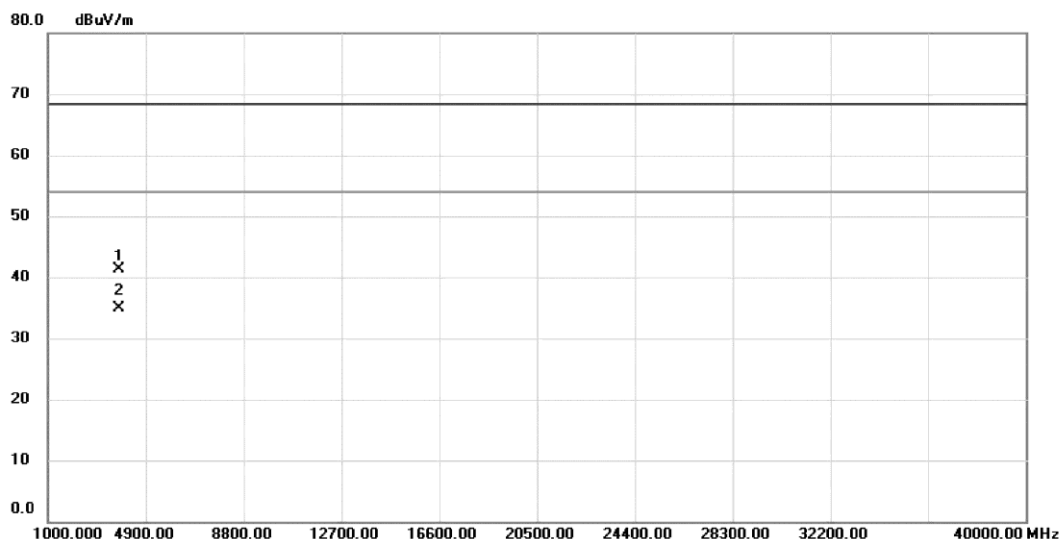
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#42

Date: 2016-11-25

Time: 11:48:43



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3829.903	38.97	2.39	41.36	68.30	-26.94	peak	
2	*	3829.972	32.52	2.39	34.91	54.00	-19.09	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5785	
Note: Swann Wireless HD Smart Security Camera		

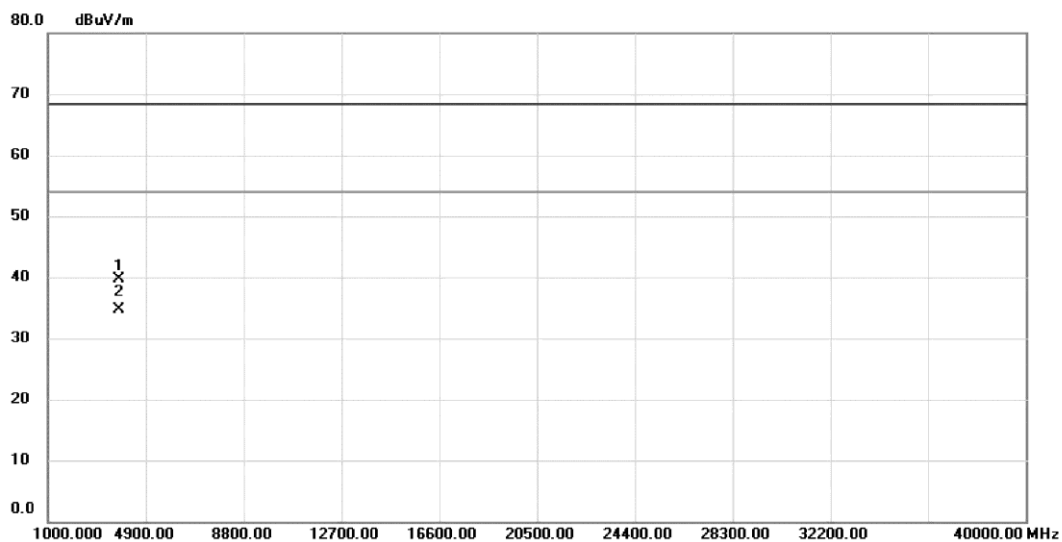
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#43

Date: 2016-11-25

Time: 11:54:27



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3856.527	37.22	2.48	39.70	68.30	-28.60	peak	
2	*	3856.645	32.27	2.48	34.75	54.00	-19.25	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5785	
Note: Swann Wireless HD Smart Security Camera		

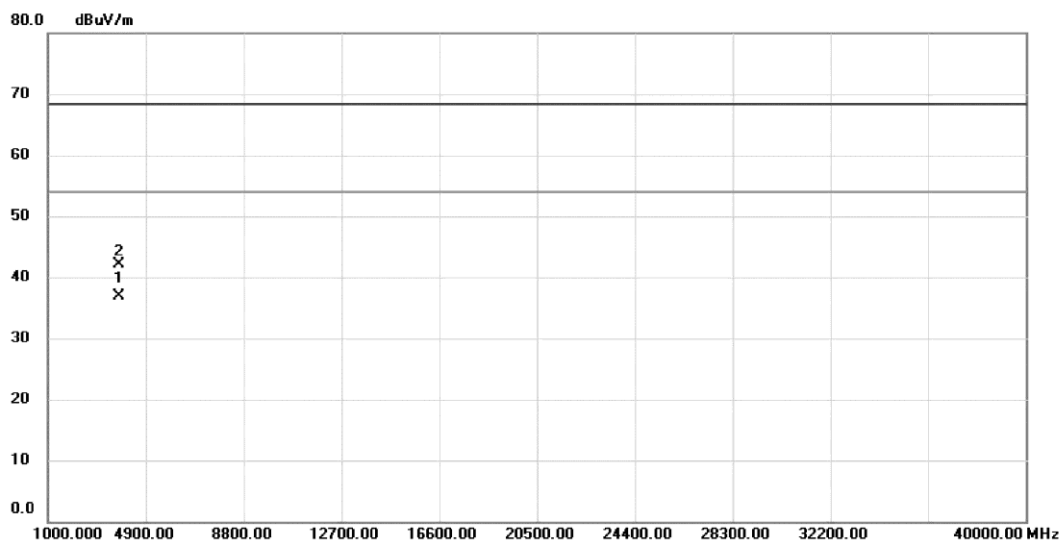
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#44

Date: 2016-11-25

Time: 11:52:40



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3856.631	34.47	2.48	36.95	54.00	-17.05	AVG	
2		3856.653	39.56	2.48	42.04	68.30	-26.26	peak	

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

(Reference Only)



Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: Swann Wireless HD Smart Security Camera	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N20_5825	
Note:		

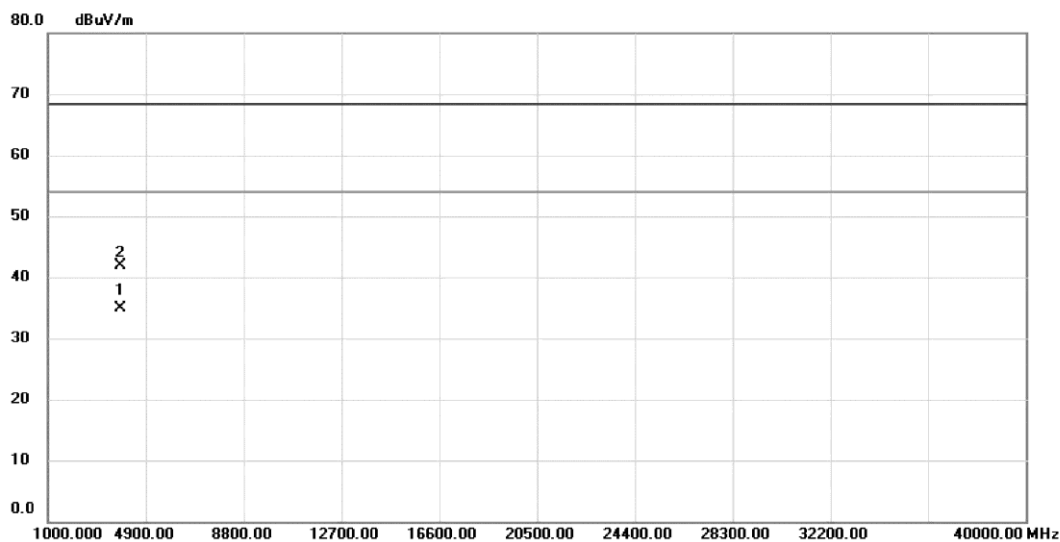
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#47

Date: 2016-11-25

Time: 11:58:25



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3883.310	32.37	2.57	34.94	54.00	-19.06	AVG	
2		3883.357	39.27	2.57	41.84	68.30	-26.46	peak	

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

(Reference Only)


BTL Inc.
do the best

Neutron Engineering Inc.

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.

Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Horizontal**

Temperature: 25 (C)

Limit: FCC 15.407_3m_(Peak)

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N20_5825

Note:

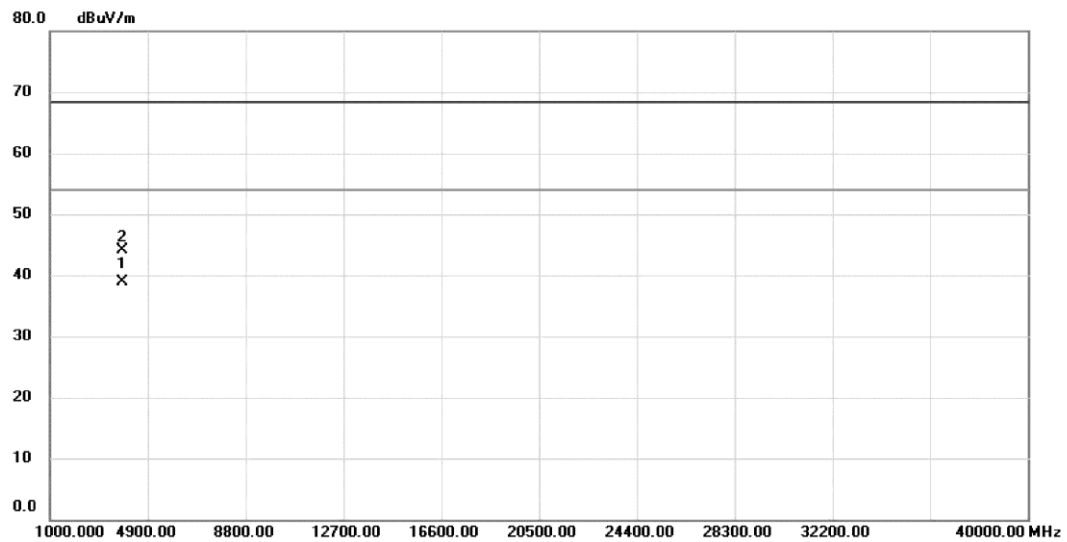
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#48

Date: 2016-11-25

Time: 11:56:22



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3883.305	36.40	2.57	38.97	54.00	-15.03	AVG	
2		3883.345	41.49	2.57	44.06	68.30	-24.24	peak	

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

(Reference Only)

802.11n HT40


BTL Inc.
do the best

 No.3.JinShaGang 1st Road, ShiXia, DaLang Town, DongGuan, China.
 Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792
www.newbtl.com


Site: DG-CB03

Polarization: **Vertical**

Temperature: 25 (C)

Limit: FCC 15.407_3m_(Peak)

Power: DC 5V

Humidity: 60 %

EUT: SEE NOTE

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N40_5190

Note: Swann Wireless HD Smart Security Camera

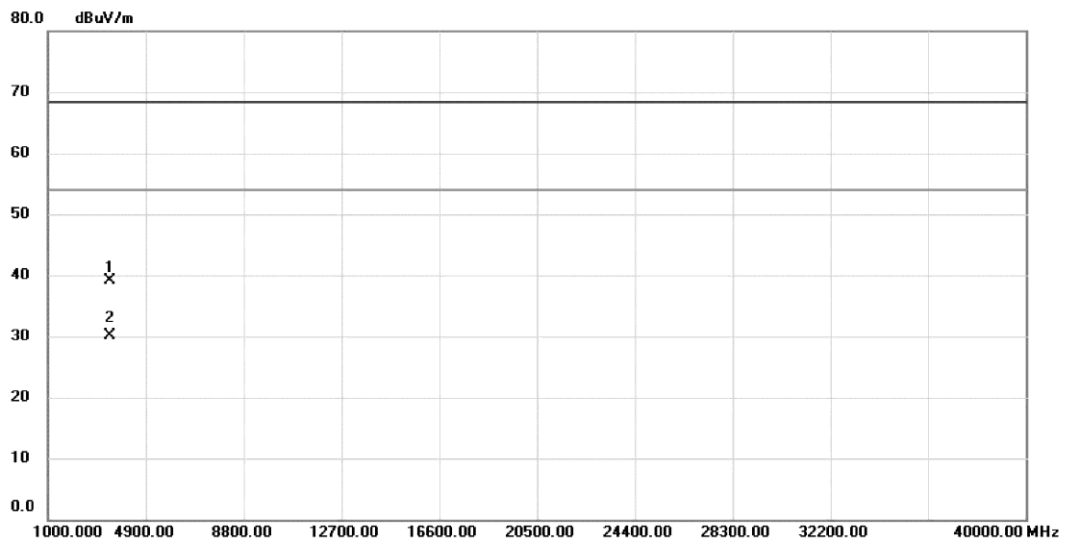
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data : #45

Date: 2016-11-25

Time: 10:46:56



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3459.769	37.78	1.33	39.11	68.30	-29.19	peak	
2	*	3459.959	28.85	1.33	30.18	54.00	-23.82	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5190	
Note: Swann Wireless HD Smart Security Camera		

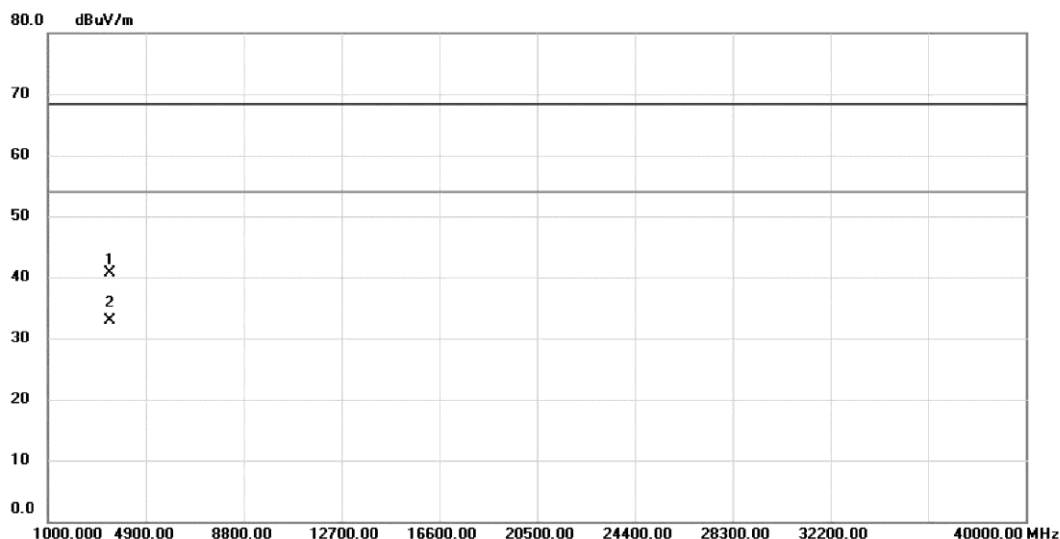
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#46

Date: 2016-11-25

Time: 10:44:43



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3459.891	39.32	1.33	40.65	68.30	-27.65	peak	
2	*	3459.916	31.66	1.33	32.99	54.00	-21.01	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5230	
Note: Swann Wireless HD Smart Security Camera		

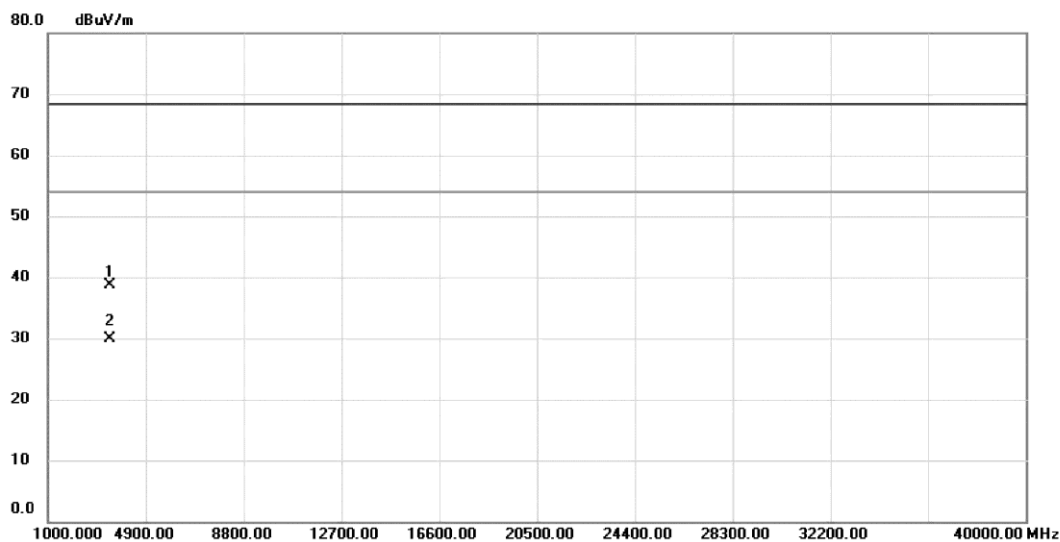
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#47

Date: 2016-11-25

Time: 10:48:04



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3486.508	37.41	1.32	38.73	68.30	-29.57	peak	
2	*	3486.606	28.64	1.32	29.96	54.00	-24.04	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5230	
Note: Swann Wireless HD Smart Security Camera		

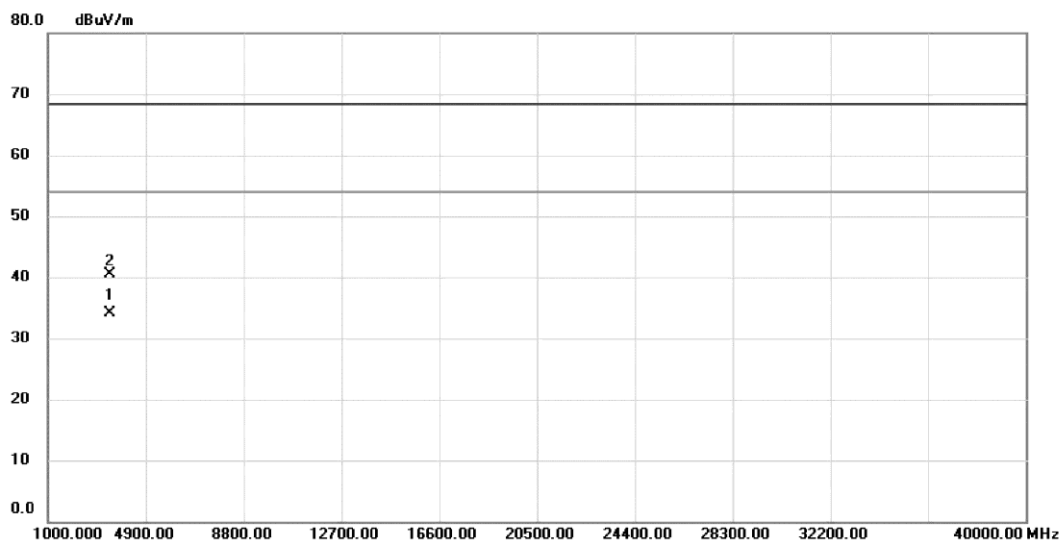
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#48

Date: 2016-11-25

Time: 10:50:20



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3486.656	32.88	1.32	34.20	54.00	-19.80	AVG	
2		3486.721	39.16	1.32	40.48	68.30	-27.82	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5755	
Note: Swann Wireless HD Smart Security Camera		

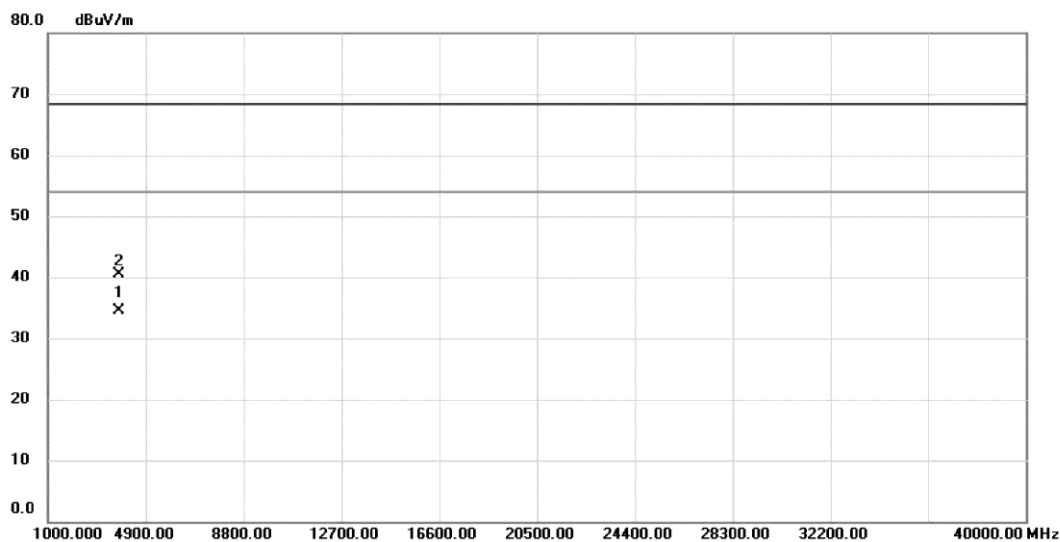
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#59

Date: 2016-11-25

Time: 12:02:56



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3836.647	32.17	2.42	34.59	54.00	-19.41	AVG	
2		3836.799	38.14	2.42	40.56	68.30	-27.74	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5755	
Note: Swann Wireless HD Smart Security Camera		

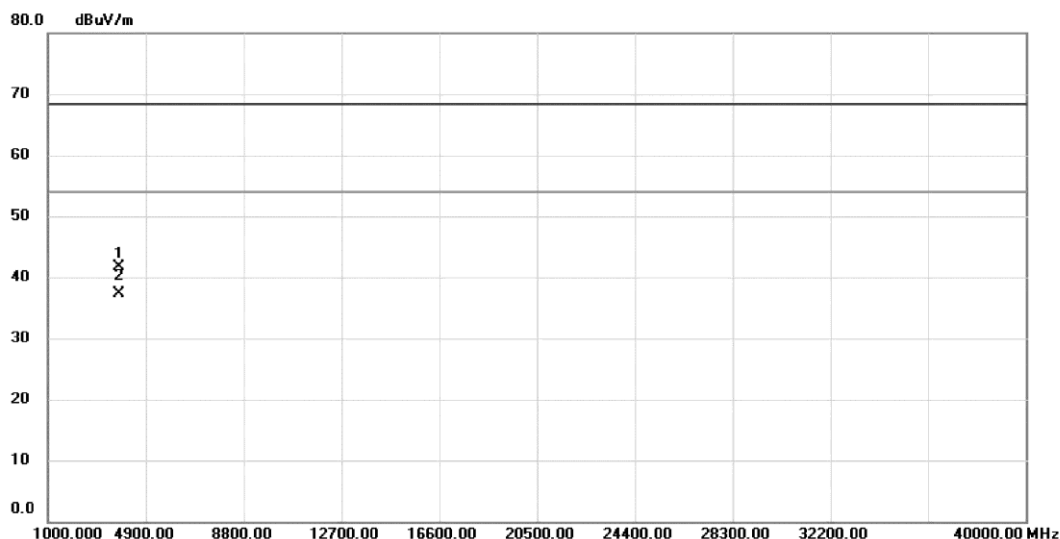
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#60

Date: 2016-11-25

Time: 12:00:47



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3836.643	39.32	2.42	41.74	68.30	-26.56	peak	
2	*	3836.655	34.92	2.42	37.34	54.00	-16.66	AVG	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5795	
Note: Swann Wireless HD Smart Security Camera		

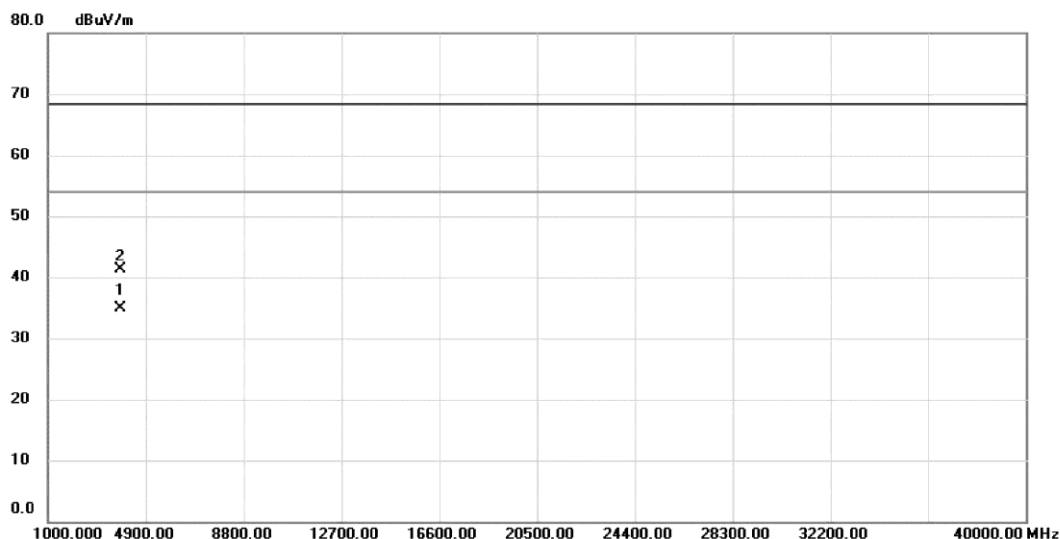
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#61

Date: 2016-11-25

Time: 12:06:07



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	3863.308	32.33	2.50	34.83	54.00	-19.17	AVG	
2		3863.395	38.86	2.50	41.36	68.30	-26.94	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB03	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: SEE NOTE	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_N40_5795	
Note: Swann Wireless HD Smart Security Camera		

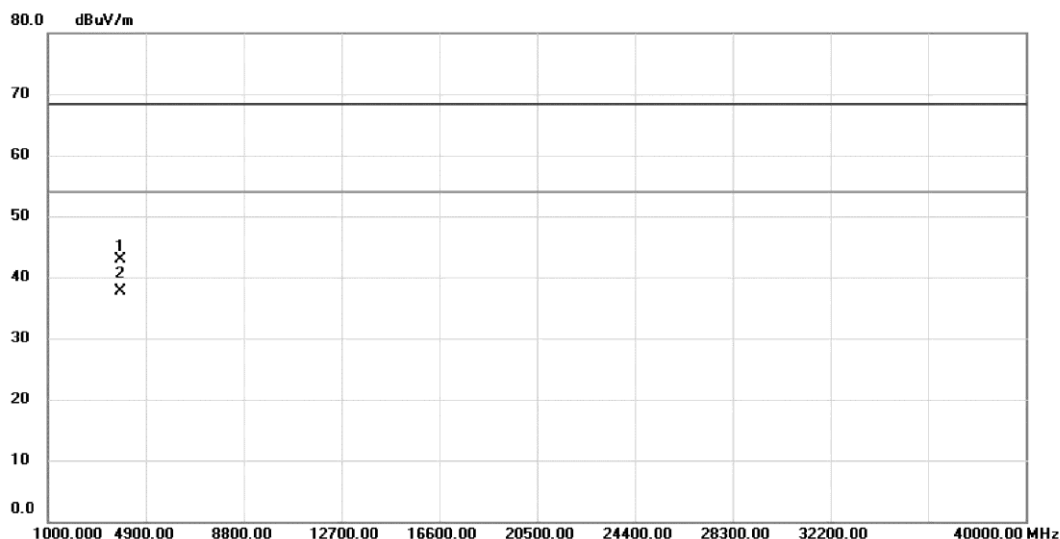
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data :#62

Date: 2016-11-25

Time: 12:04:31



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		3863.145	40.44	2.50	42.94	68.30	-25.36	peak	
2	*	3863.298	35.30	2.50	37.80	54.00	-16.20	AVG	

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

(Reference Only)

Appendix A.10: Unwanted Emissions in the Restricted Bands



Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03	Polarization: Vertical	Temperature: 25 (C)
Limit: FCC 15.407_3m_(Peak)	Power: DC 5V	Humidity: 60 %
EUT: Swann Wireless HD Smart Security Camera	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: TX_A_5180	
Note:		

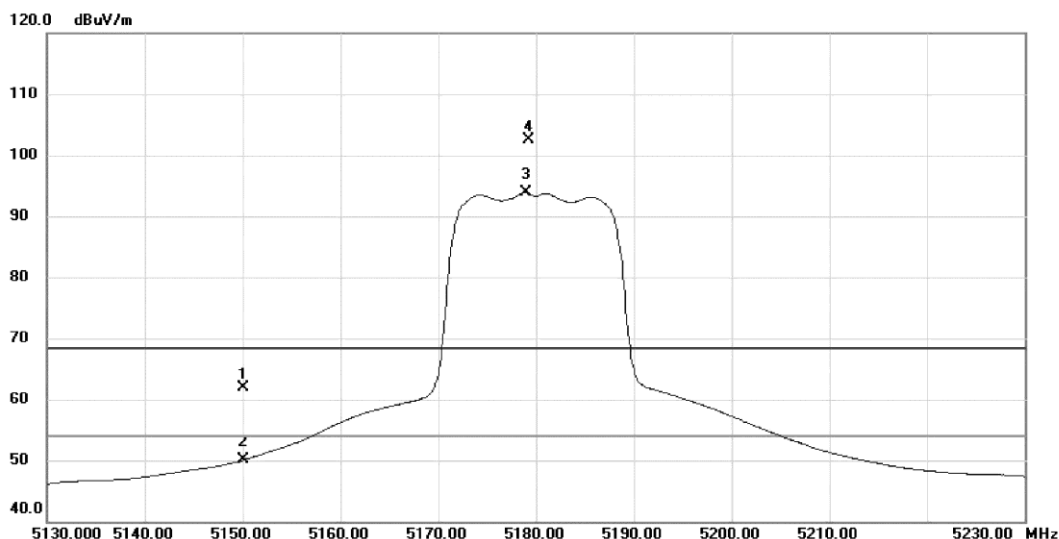
Radiated Emission Measurement

File :FCCP_BANDEDGE

Data :#1

Date: 2016-11-20

Time: 15:15:04



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.32	40.63	61.95	68.30	-6.35	peak	
2		5150.000	9.42	40.63	50.05	54.00	-3.95	AVG	
3	*	5178.950	53.17	40.72	93.89	54.00	39.89	AVG	No Limit
4	X	5179.250	61.77	40.72	102.49	68.30	34.19	peak	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5180

Temperature: 25 (C)

Humidity: 60 %

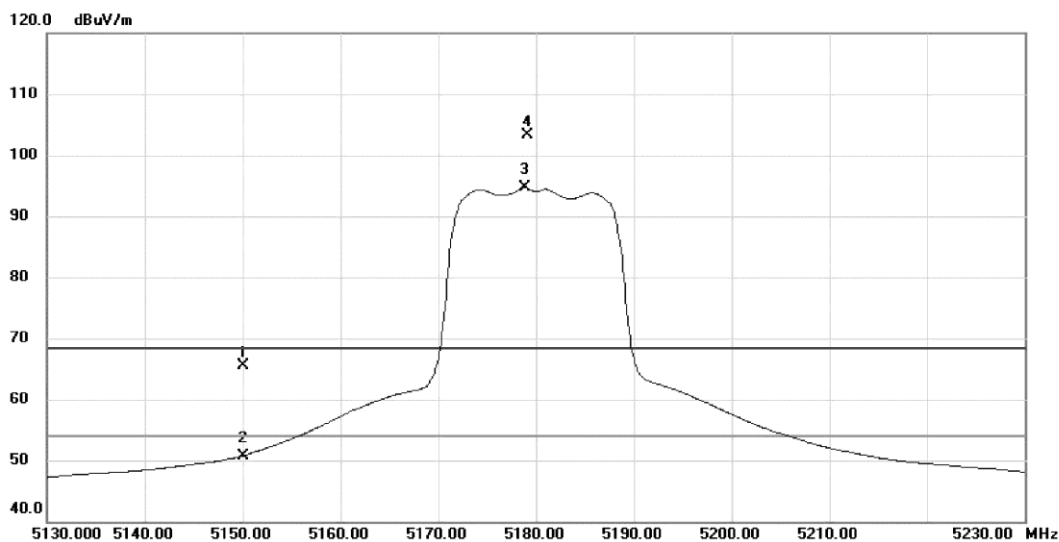
Radiated Emission Measurement

File :FCCP_BANDEDGE

Data :#2

Date: 2016-11-20

Time: 15:10:59



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.84	40.63	65.47	68.30	-2.83	peak	
2		5150.000	10.11	40.63	50.74	54.00	-3.26	AVG	
3	*	5178.900	53.93	40.72	94.65	54.00	40.65	AVG	No Limit
4	X	5179.150	62.57	40.72	103.29	68.30	34.99	peak	No Limit

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

(Reference Only)

File :FCCP_BANDEDGEData :#2

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_A_5200

Temperature: 25 (C)

Humidity: 60 %

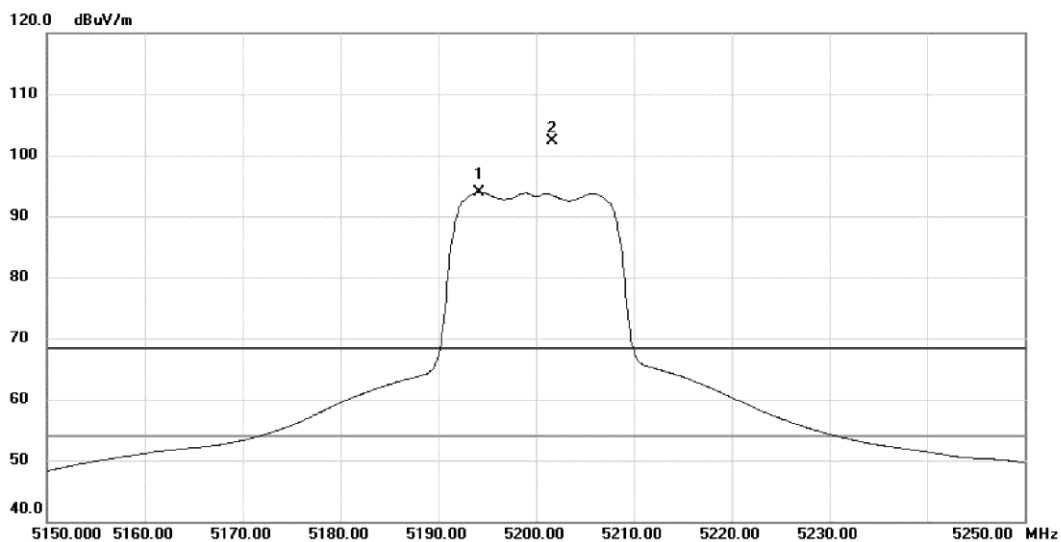
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#3

Date: 2016-11-20

Time: 17:14:17



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5194.200	53.21	40.77	93.98	54.00	39.98	AVG	No Limit
2	X	5201.600	61.58	40.79	102.37	68.30	34.07	peak	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5200

Temperature: 25 (C)

Humidity: 60 %

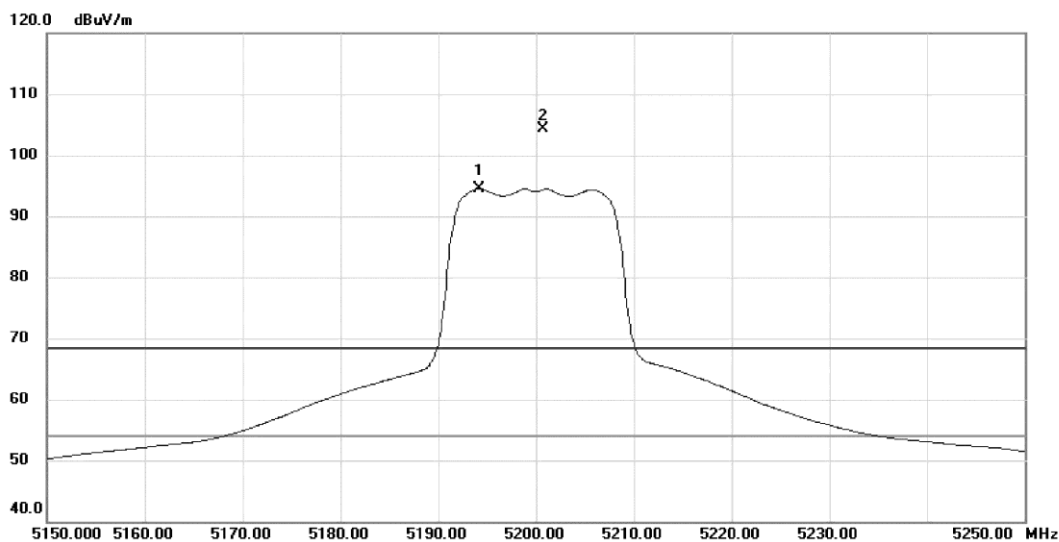
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#4

Date: 2016-11-20

Time: 15:17:13



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5194.200	53.76	40.77	94.53	54.00	40.53	AVG	No Limit
2	X	5200.750	63.50	40.79	104.29	68.30	35.99	peak	No Limit

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

(Reference Only)

File :FCCP_BANDEDGE\Data :#4

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_A_5240

Temperature: 25 (C)

Humidity: 60 %

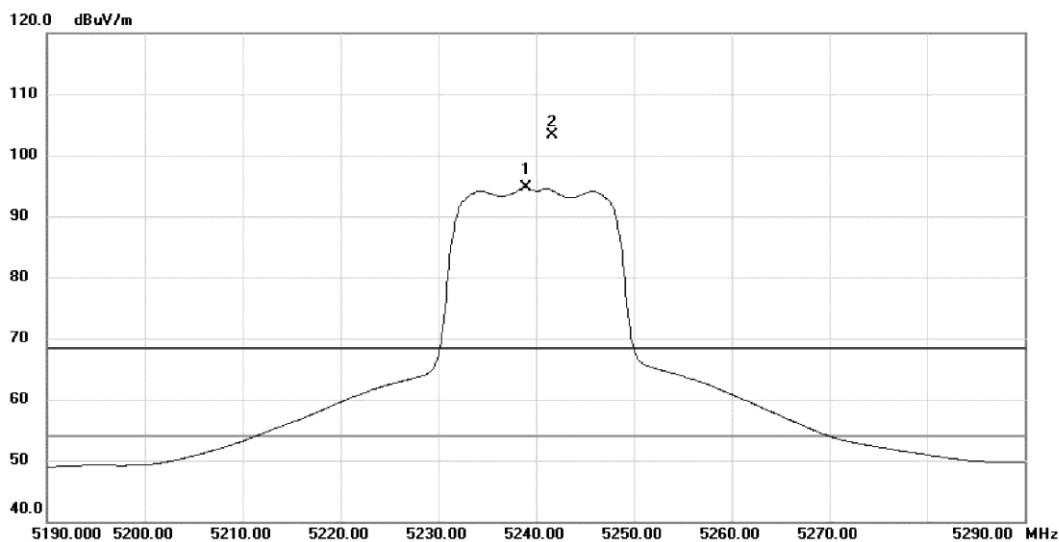
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#5

Date: 2016-11-20

Time: 17:17:30



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5239.000	53.78	40.92	94.70	54.00	40.70	AVG	No Limit
2	X	5241.600	62.41	40.93	103.34	68.30	35.04	peak	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5240

Temperature: 25 (C)

Humidity: 60 %

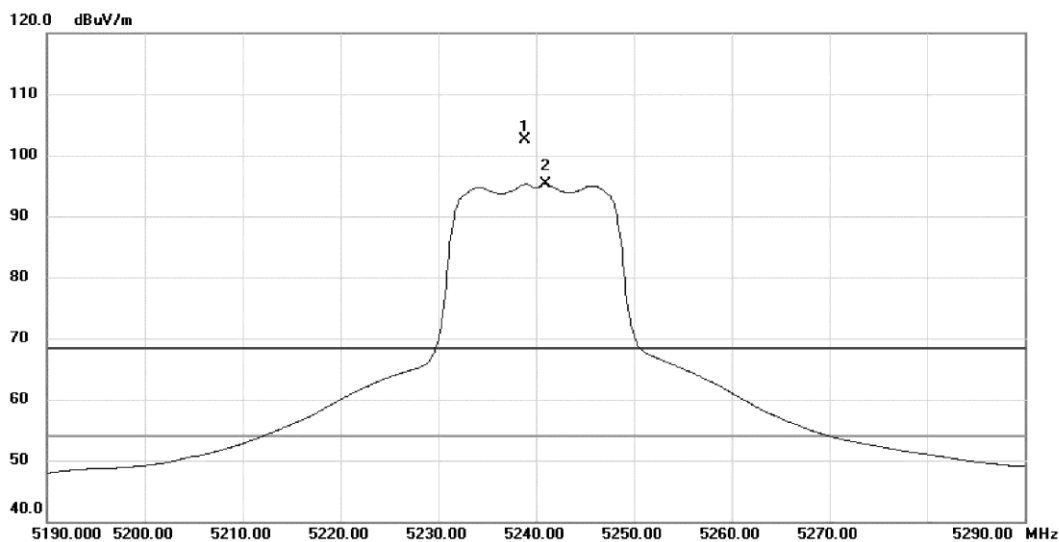
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#6

Date: 2016-11-20

Time: 15:19:24



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5238.800	61.63	40.91	102.54	68.30	34.24	peak	No Limit
2	*	5240.950	54.32	40.93	95.25	54.00	41.25	AVG	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_A_5745

Temperature: 25 (C)

Humidity: 60 %

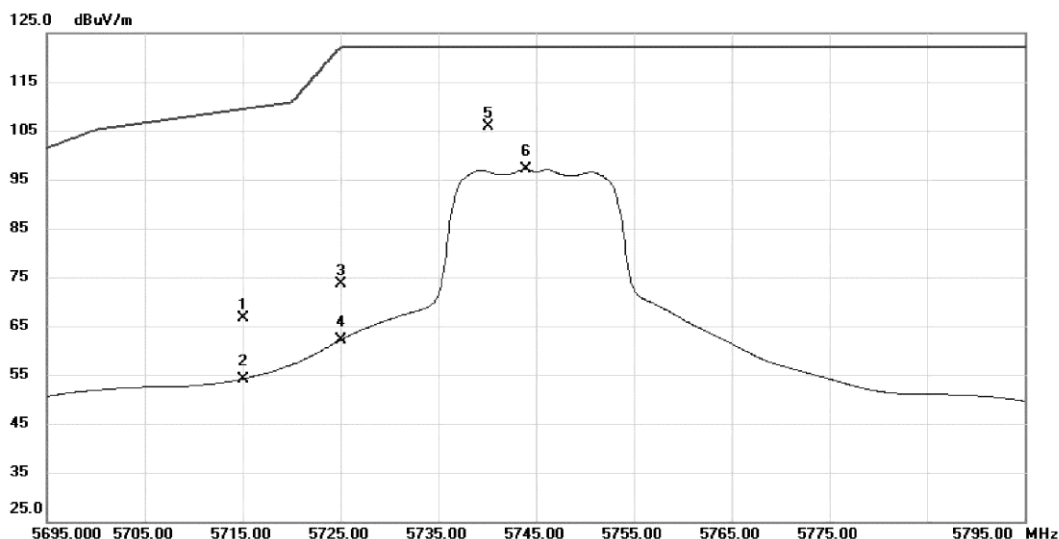
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#19

Date: 2016-11-20

Time: 17:02:57



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	23.96	42.55	66.51	109.40	-42.89	peak	
2		5715.000	11.65	42.55	54.20	109.40	-55.20	AVG	
3		5725.000	31.15	42.58	73.73	122.20	-48.47	peak	
4		5725.000	19.60	42.58	62.18	122.20	-60.02	AVG	
5 *		5740.200	63.15	42.64	105.79	122.20	-16.41	peak	
6		5744.000	54.54	42.65	97.19	122.20	-25.01	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5745

Temperature: 25 (C)

Humidity: 60 %

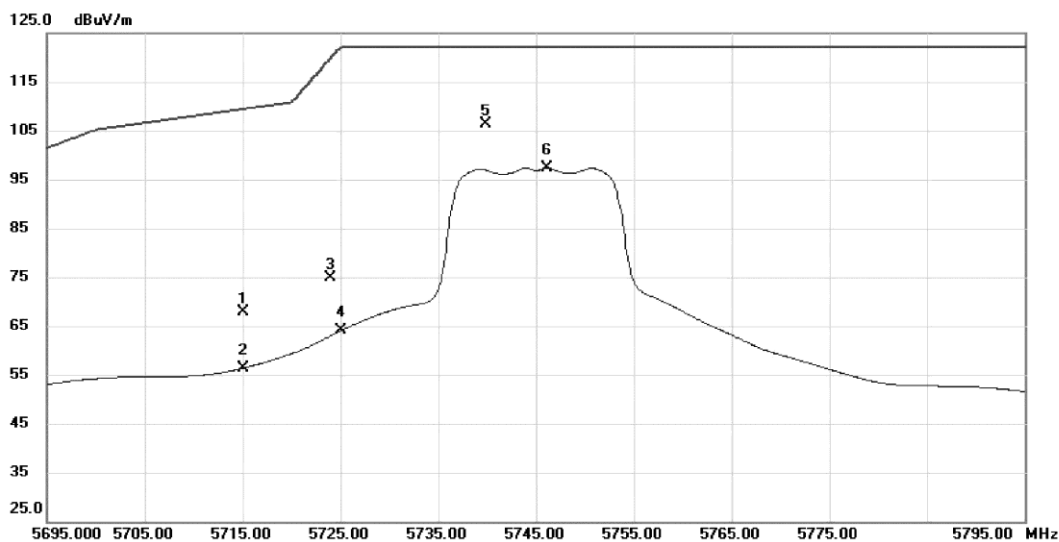
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#20

Date: 2016-11-20

Time: 16:41:16



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5715.000	25.32	42.55	67.87	109.40	-41.53	peak	
2		5715.000	13.85	42.55	56.40	109.40	-53.00	AVG	
3		5724.000	32.23	42.58	74.81	119.92	-45.11	peak	
4		5725.000	21.45	42.58	64.03	122.20	-58.17	AVG	
5 *		5739.800	63.73	42.64	106.37	122.20	-15.83	peak	
6		5746.100	54.78	42.66	97.44	122.20	-24.76	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_A_5785

Temperature: 25 (C)

Humidity: 60 %

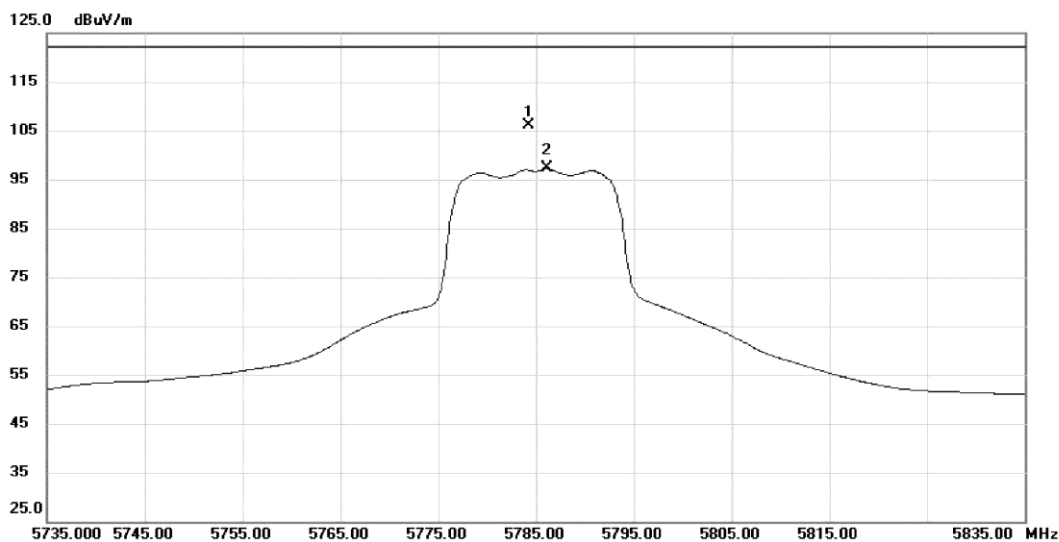
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#21

Date: 2016-11-20

Time: 17:05:35



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5784.300	63.24	42.79	106.03	122.20	-16.17	peak	
2		5786.100	54.48	42.80	97.28	122.20	-24.92	AVG	

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

(Reference Only)

File :FCCP_BANDEDGEData :#21

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5785

Temperature: 25 (C)

Humidity: 60 %

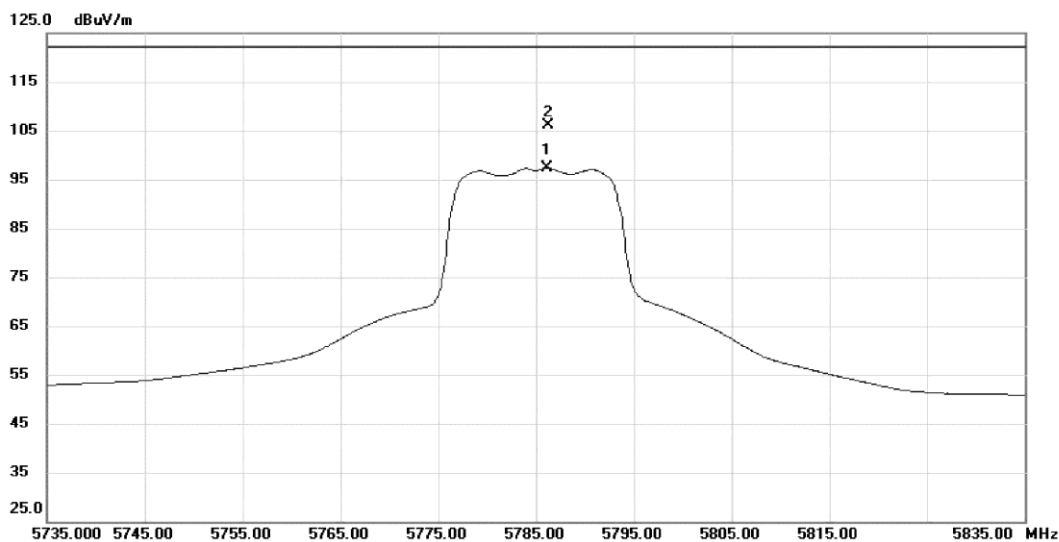
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#22

Date: 2016-11-20

Time: 16:42:50



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5786.100	54.68	42.80	97.48	122.20	-24.72	AVG	
2	*	5786.300	63.27	42.80	106.07	122.20	-16.13	peak	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_A_5825

Temperature: 25 (C)

Humidity: 60 %

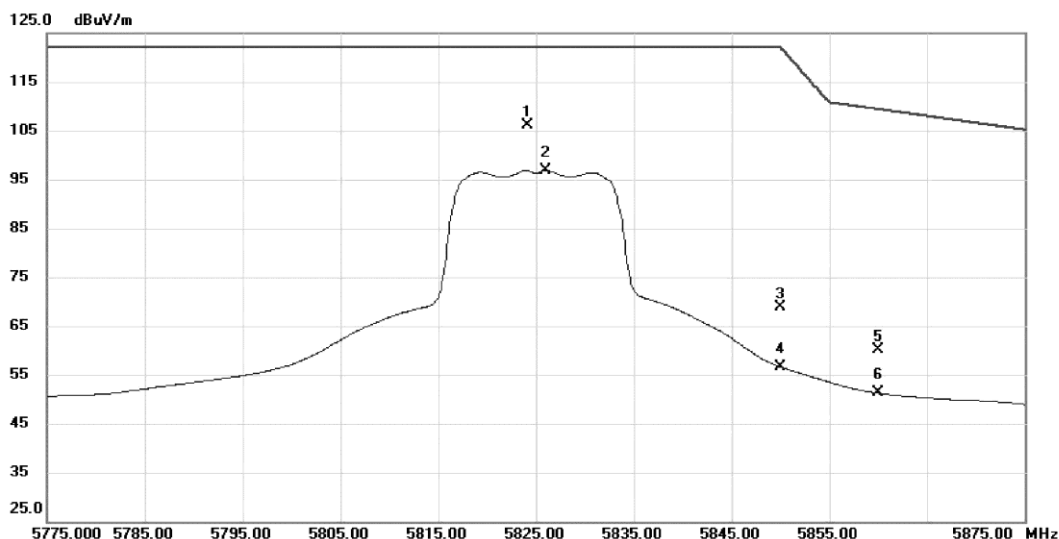
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#23

Date: 2016-11-20

Time: 17:06:53



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5824.200	63.25	42.94	106.19	122.20	-16.01	peak	
2		5826.000	53.98	42.94	96.92	122.20	-25.28	AVG	
3		5850.000	25.73	43.03	68.76	122.20	-53.44	peak	
4		5850.000	13.63	43.03	56.66	122.20	-65.54	AVG	
5		5860.000	17.11	43.06	60.17	109.40	-49.23	peak	
6		5860.000	8.23	43.06	51.29	109.40	-58.11	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_A_5825

Temperature: 25 (C)

Humidity: 60 %

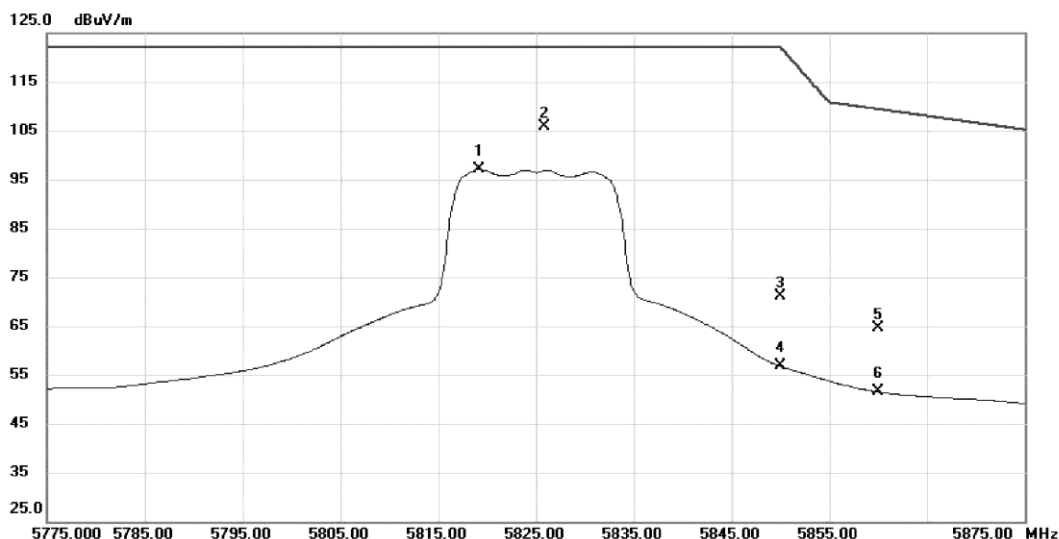
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#24

Date: 2016-11-20

Time: 16:44:01



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5819.200	54.16	42.92	97.08	122.20	-25.12	AVG	
2	*	5825.900	62.83	42.94	105.77	122.20	-16.43	peak	
3		5850.000	28.04	43.03	71.07	122.20	-51.13	peak	
4		5850.000	13.77	43.03	56.80	122.20	-65.40	AVG	
5		5860.000	21.51	43.06	64.57	109.40	-44.83	peak	
6		5860.000	8.49	43.06	51.55	109.40	-57.85	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5180

Temperature: 25 (C)

Humidity: 60 %

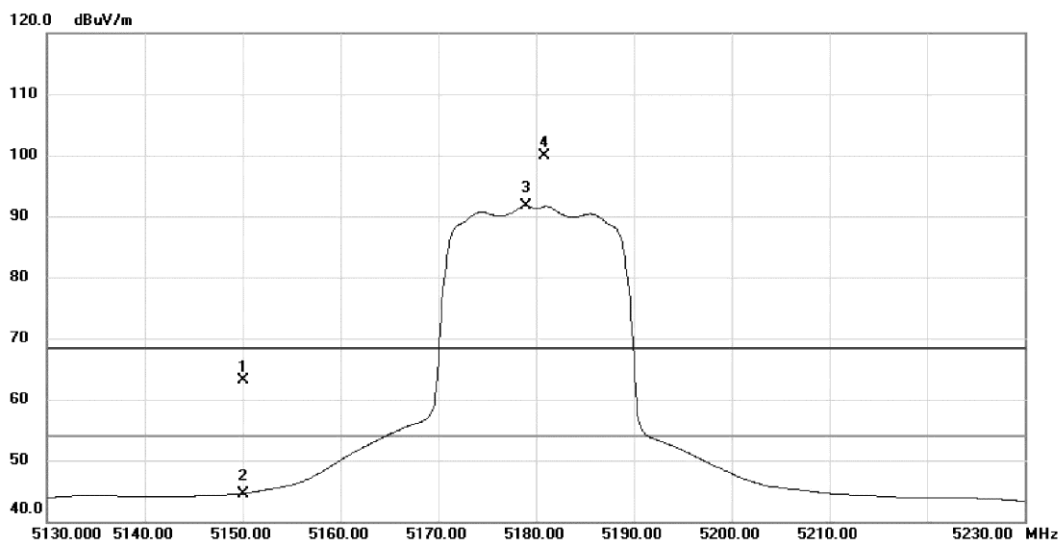
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#25

Date: 2016-11-20

Time: 17:33:02



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.44	40.63	63.07	68.30	-5.23	peak	
2		5150.000	3.95	40.63	44.58	54.00	-9.42	AVG	
3	*	5179.000	51.00	40.72	91.72	54.00	37.72	AVG	No Limit
4	X	5180.800	59.26	40.72	99.98	68.30	31.68	peak	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5180

Temperature: 25 (C)

Humidity: 60 %

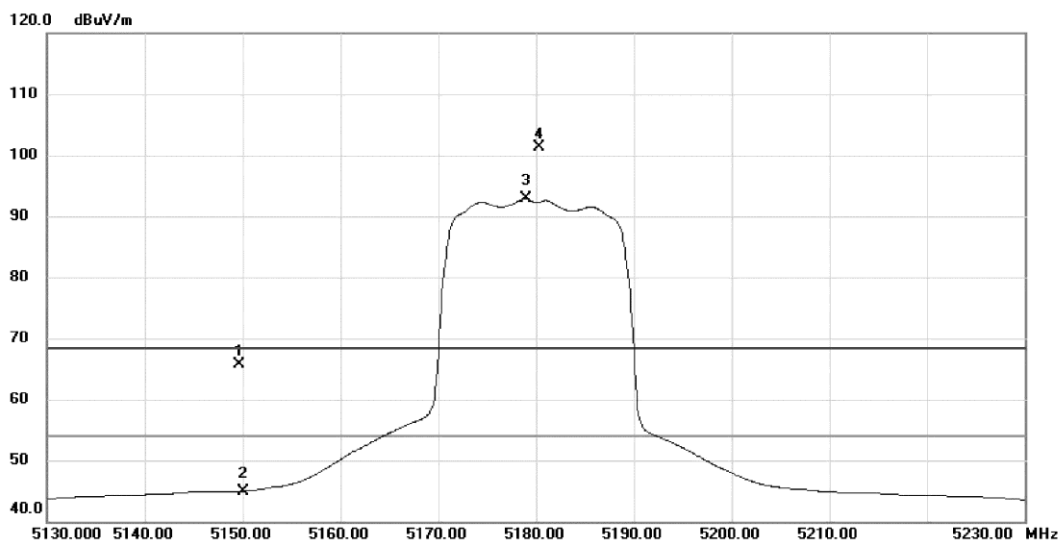
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#26

Date: 2016-11-20

Time: 15:53:13



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5149.700	25.10	40.62	65.72	68.30	-2.58	peak	
2		5150.000	4.37	40.63	45.00	54.00	-9.00	AVG	
3	*	5179.000	52.19	40.72	92.91	54.00	38.91	AVG	No Limit
4	X	5180.400	60.68	40.72	101.40	68.30	33.10	peak	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5200

Temperature: 25 (C)

Humidity: 60 %

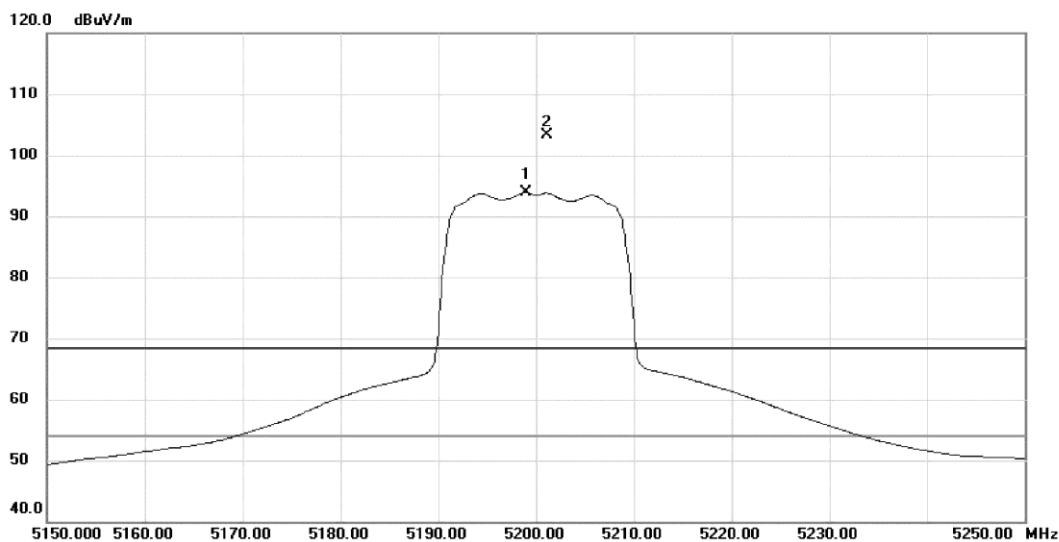
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#27

Date: 2016-11-20

Time: 17:34:36



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5199.000	53.19	40.79	93.98	54.00	39.98	AVG	No Limit
2	X	5201.200	62.59	40.79	103.38	68.30	35.08	peak	No Limit

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

(Reference Only)

File :FCCP_BANDEDGE\Data :#27

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5200

Temperature: 25 (C)

Humidity: 60 %

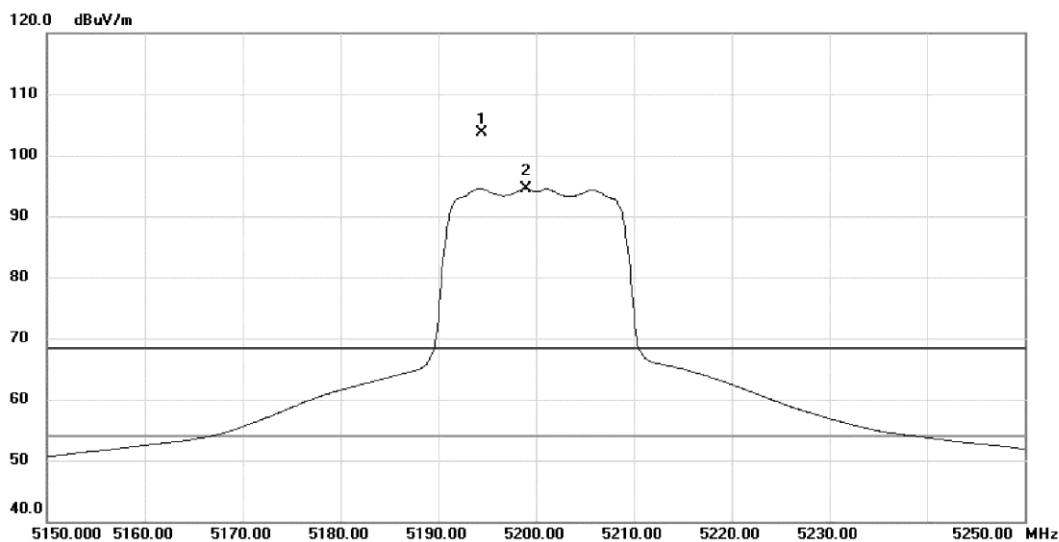
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#28

Date: 2016-11-20

Time: 16:00:55



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5194.500	63.00	40.78	103.78	68.30	35.48	peak	No Limit
2	*	5199.000	53.78	40.79	94.57	54.00	40.57	AVG	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5240

Temperature: 25 (C)

Humidity: 60 %

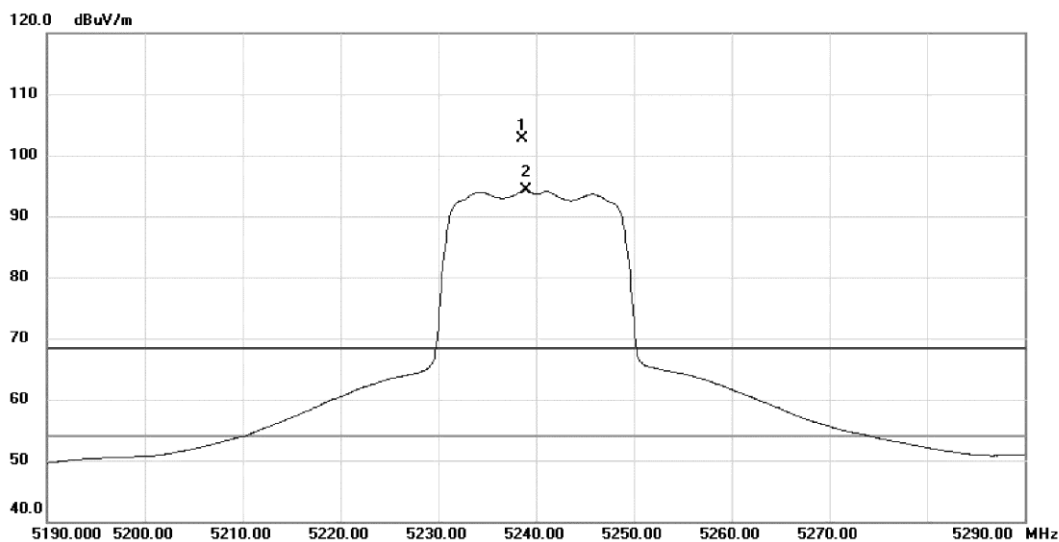
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#29

Date: 2016-11-20

Time: 17:35:52



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5238.600	61.87	40.91	102.78	68.30	34.48	peak	No Limit
2	*	5239.000	53.33	40.92	94.25	54.00	40.25	AVG	No Limit

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

(Reference Only)

File :FCCP_BANDEDGEData :#29

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Horizontal**

Temperature: 25 (C)

Limit: FCC 15.407_3m_(Peak)

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N20_5240

Note:

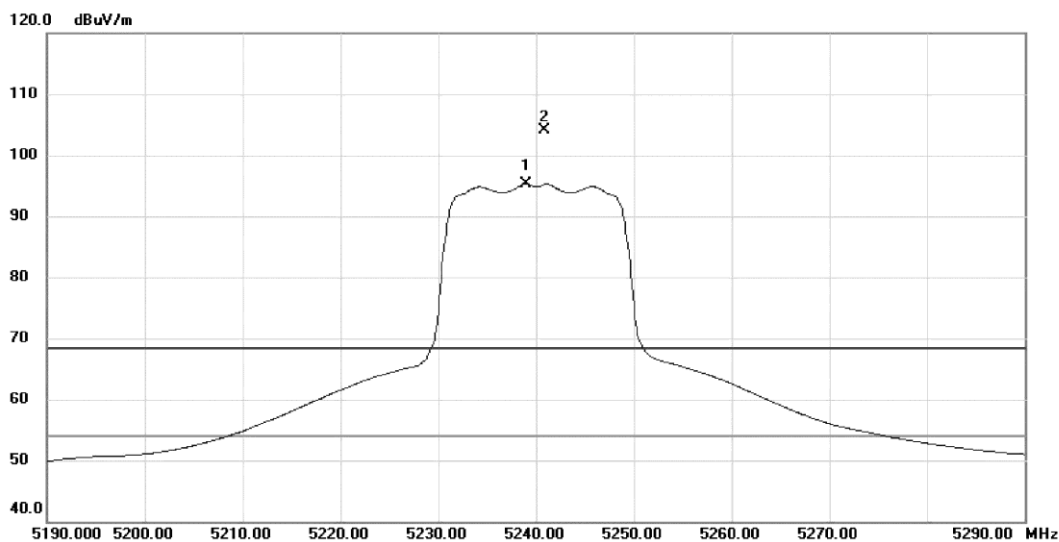
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#30

Date: 2016-11-20

Time: 16:02:47



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5239.000	54.39	40.92	95.31	54.00	41.31	AVG	No Limit
2	X	5240.800	63.17	40.93	104.10	68.30	35.80	peak	No Limit

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

(Reference Only)


BTL Inc.
do the best

Neutron Engineering Inc.

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.

Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Vertical**

Temperature: 25 (C)

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N20_5745

Note:

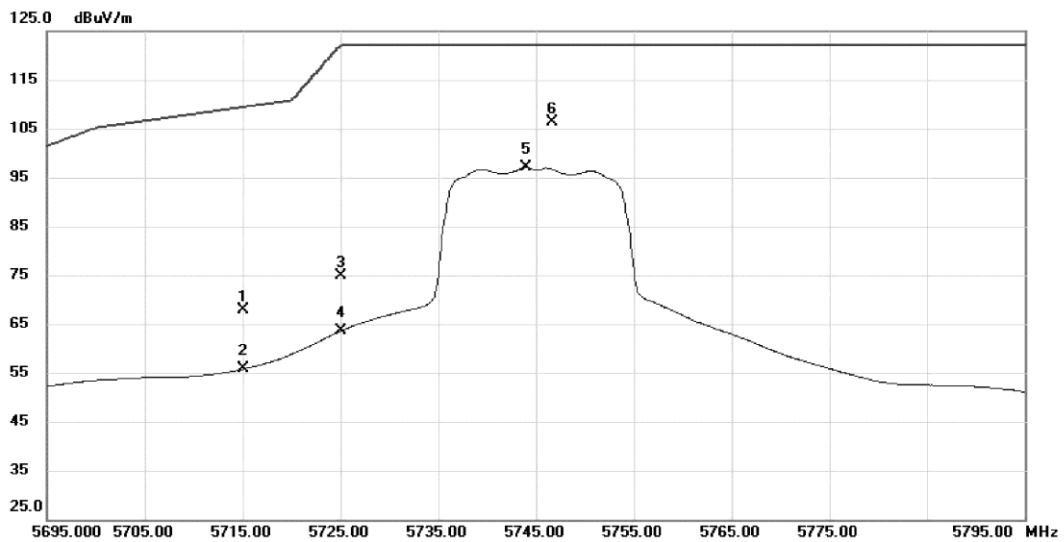
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#43

Date: 2016-11-20

Time: 17:08:35



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5715.000	25.38	42.55	67.93	109.40	-41.47	peak	
2		5715.000	13.22	42.55	55.77	109.40	-53.63	AVG	
3		5725.000	32.24	42.58	74.82	122.20	-47.38	peak	
4		5725.000	20.98	42.58	63.56	122.20	-58.64	AVG	
5		5744.000	54.43	42.65	97.08	122.20	-25.12	AVG	
6 *		5746.600	63.70	42.66	106.36	122.20	-15.84	peak	

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

(Reference Only)


BTL Inc.
do the best

Neutron Engineering Inc.

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.

Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Horizontal**

Temperature: 25 (C)

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N20_5745

Note:

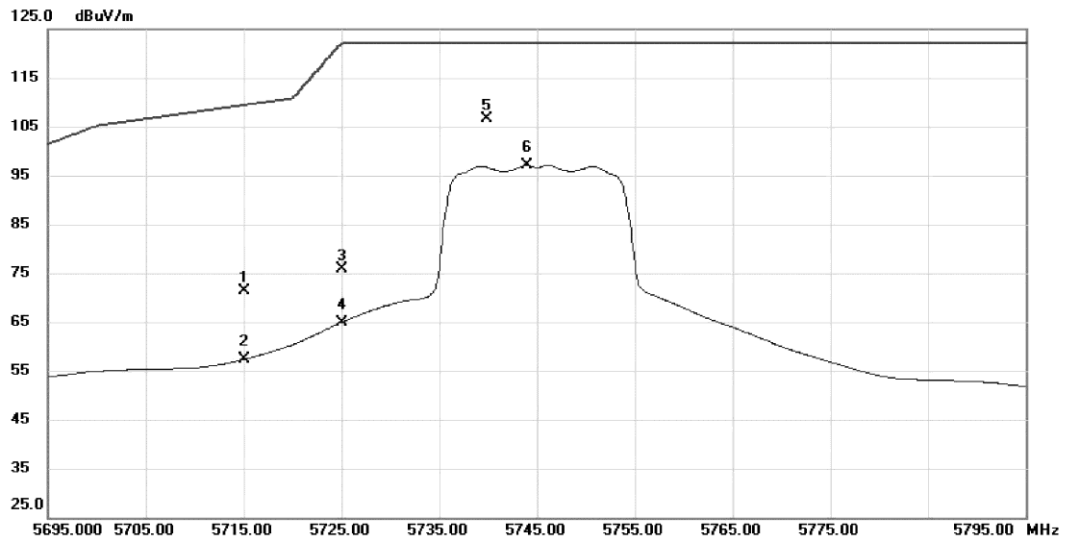
Radiated Emission Measurement

File : FCCP_BANDEGE

Data : #44

Date: 2016-11-20

Time: 16:45:49



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5715.000	28.76	42.55	71.31	109.40	-38.09	peak	
2		5715.000	14.84	42.55	57.39	109.40	-52.01	AVG	
3		5725.000	33.28	42.58	75.86	122.20	-46.34	peak	
4		5725.000	22.36	42.58	64.94	122.20	-57.26	AVG	
5 *		5739.900	64.01	42.64	106.65	122.20	-15.55	peak	
6		5744.000	54.54	42.65	97.19	122.20	-25.01	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5785

Temperature: 25 (C)

Humidity: 60 %

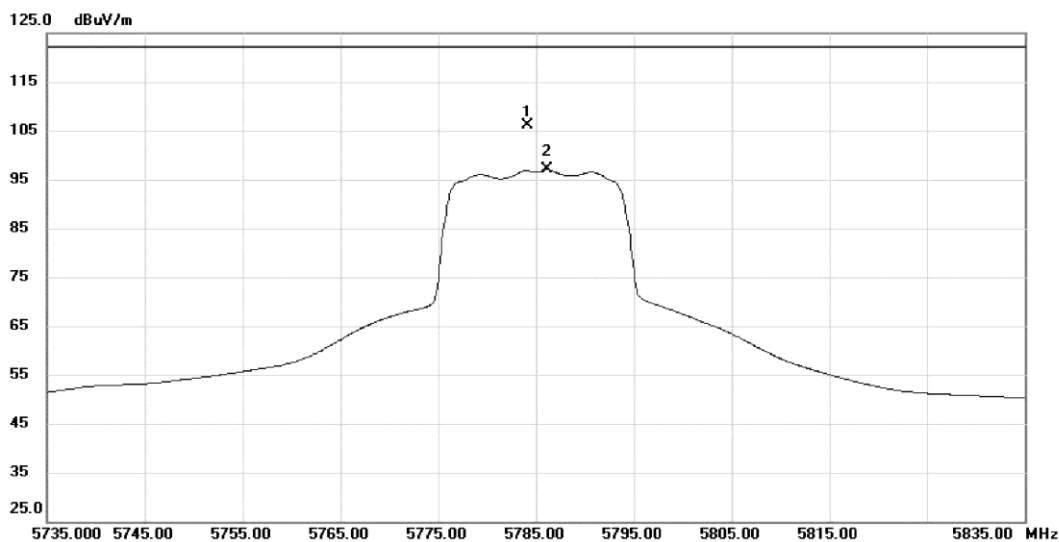
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#45

Date: 2016-11-20

Time: 17:09:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5784.100	63.24	42.79	106.03	122.20	-16.17	peak	
2		5786.100	54.28	42.80	97.08	122.20	-25.12	AVG	

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

(Reference Only)

File :FCCP_BANDEDGEData :#45

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5785

Temperature: 25 (C)

Humidity: 60 %

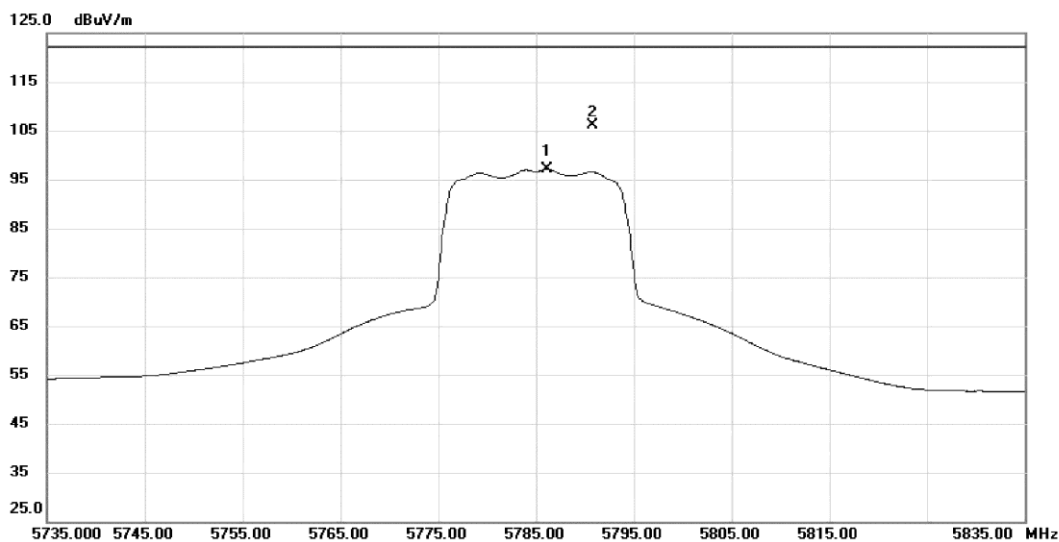
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#46

Date: 2016-11-20

Time: 16:47:48



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5786.100	54.40	42.80	97.20	122.20	-25.00	AVG	
2	*	5790.800	63.39	42.82	106.21	122.20	-15.99	peak	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5825

Temperature: 25 (C)

Humidity: 60 %

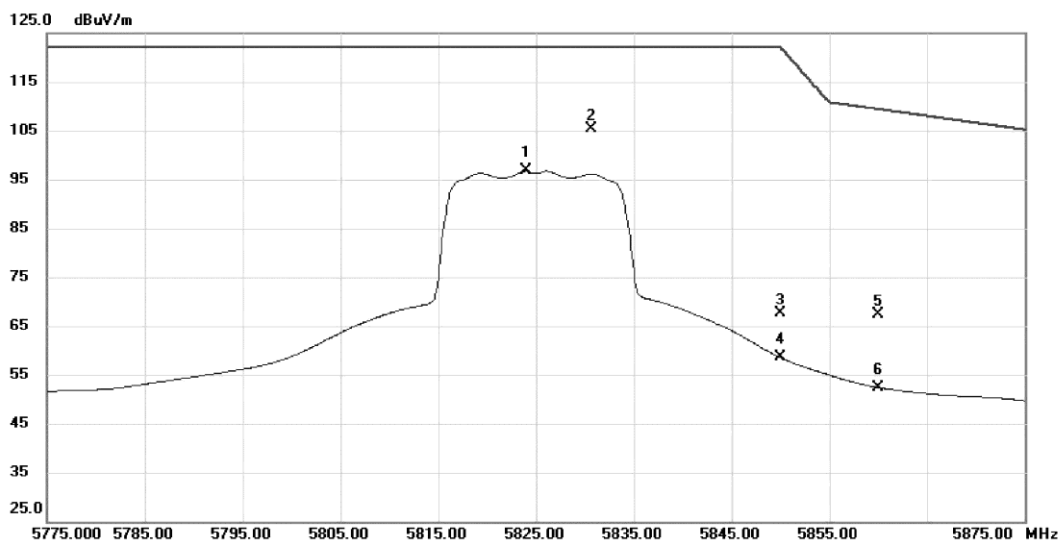
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#47

Date: 2016-11-20

Time: 17:11:01



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5824.000	53.83	42.94	96.77	122.20	-25.43	AVG	
2	*	5830.600	62.50	42.95	105.45	122.20	-16.75	peak	
3		5850.000	24.63	43.03	67.66	122.20	-54.54	peak	
4		5850.000	15.54	43.03	58.57	122.20	-63.63	AVG	
5		5860.000	24.28	43.06	67.34	109.40	-42.06	peak	
6		5860.000	9.39	43.06	52.45	109.40	-56.95	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N20_5825

Temperature: 25 (C)

Humidity: 60 %

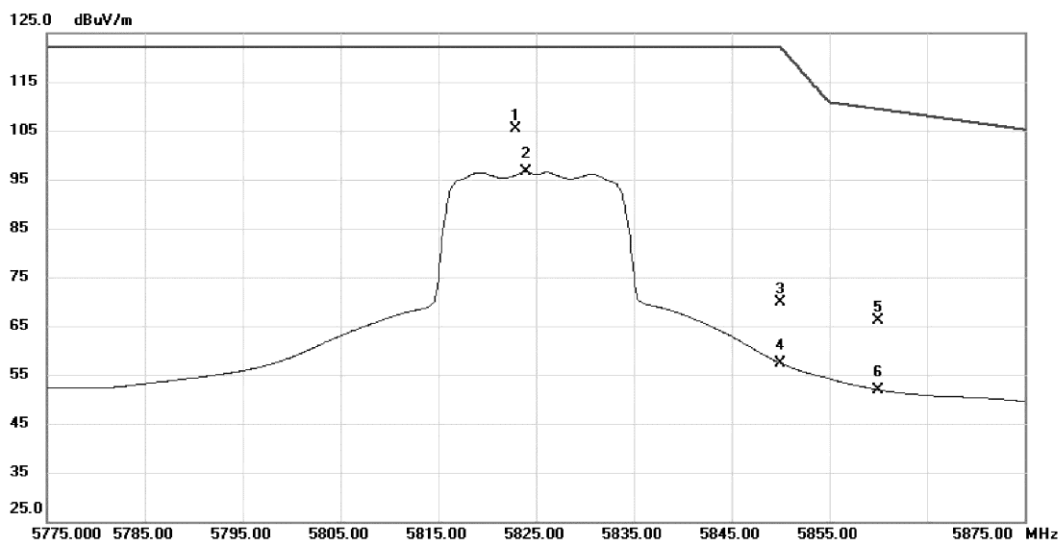
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#48

Date: 2016-11-20

Time: 16:49:04



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5822.900	62.51	42.92	105.43	122.20	-16.77	peak	
2		5824.000	53.67	42.94	96.61	122.20	-25.59	AVG	
3		5850.000	26.90	43.03	69.93	122.20	-52.27	peak	
4		5850.000	14.40	43.03	57.43	122.20	-64.77	AVG	
5		5860.000	23.04	43.06	66.10	109.40	-43.30	peak	
6		5860.000	8.94	43.06	52.00	109.40	-57.40	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5190

Temperature: 25 (C)

Humidity: 60 %

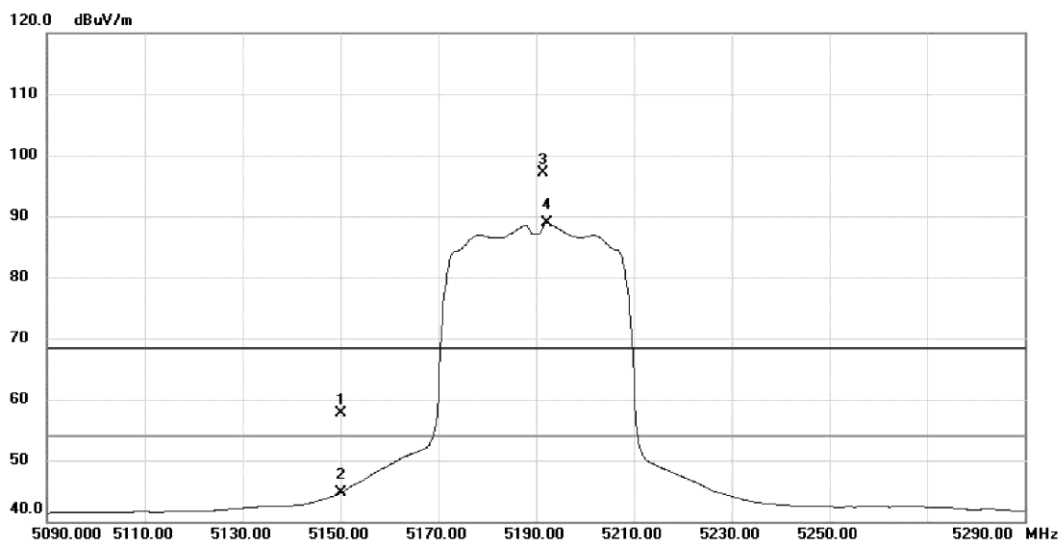
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#49

Date: 2016-11-20

Time: 17:48:44



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	17.12	40.63	57.75	68.30	-10.55	peak	
2		5150.000	4.06	40.63	44.69	54.00	-9.31	AVG	
3	X	5191.400	56.43	40.76	97.19	68.30	28.89	peak	No Limit
4	*	5192.200	48.10	40.76	88.86	54.00	34.86	AVG	No Limit

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5190

Temperature: 25 (C)

Humidity: 60 %

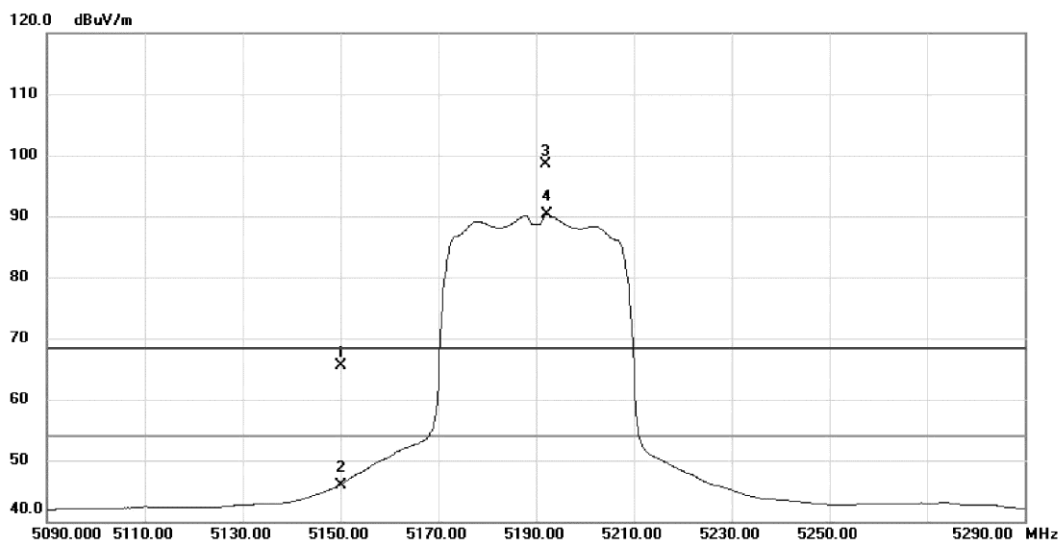
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#50

Date: 2016-11-20

Time: 16:19:40



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.78	40.63	65.41	68.30	-2.89	peak	
2		5150.000	5.37	40.63	46.00	54.00	-8.00	AVG	
3	X	5192.000	57.69	40.76	98.45	68.30	30.15	peak	No Limit
4	*	5192.200	49.57	40.76	90.33	54.00	36.33	AVG	No Limit

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

(Reference Only)

File :FCCP_BANDEDGE\Data :#50

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Vertical**

Temperature: 25 (C)

Limit: FCC 15.407_3m_(Peak)

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N40_5230

Note:

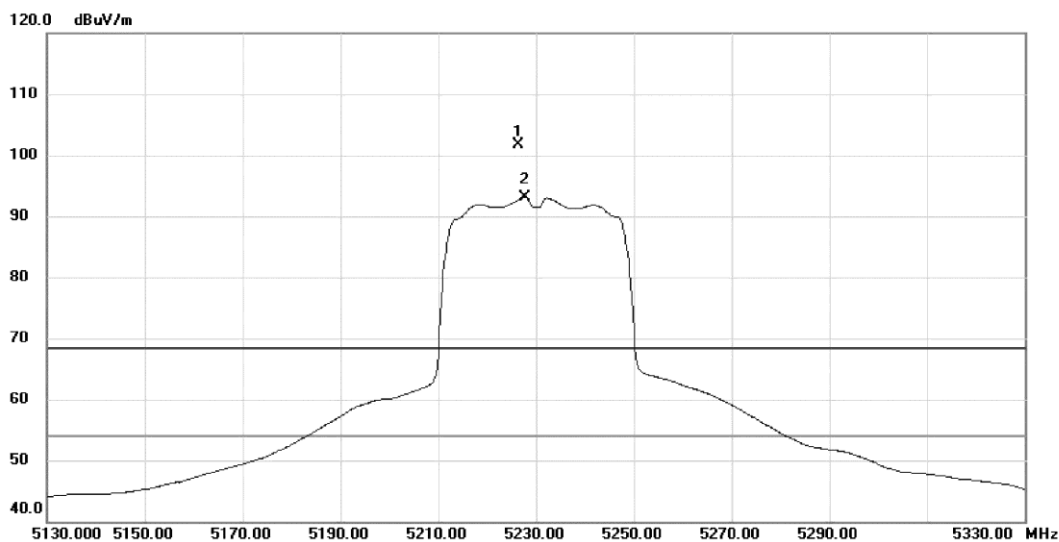
Radiated Emission Measurement

File : FCCP_BANDEDGE

Data :#51

Date: 2016-11-20

Time: 17:50:50



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5226.400	60.79	40.87	101.66	68.30	33.36	peak	No Limit
2	*	5227.800	52.23	40.89	93.12	54.00	39.12	AVG	No Limit

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

(Reference Only)

File :FCCP_BANDEDGEData :#51

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407_3m_(Peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5230

Temperature: 25 (C)

Humidity: 60 %

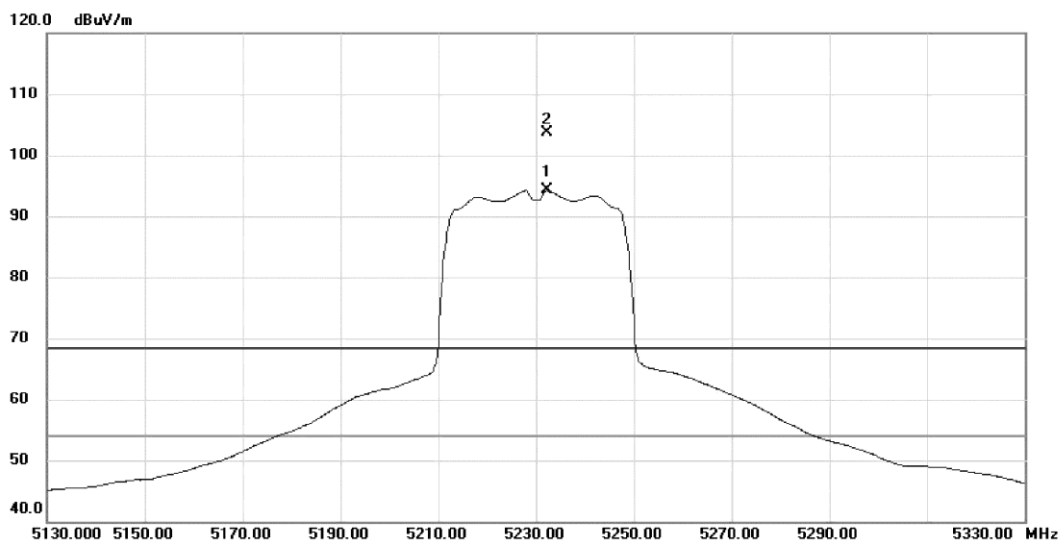
Radiated Emission Measurement

File :FCCP_BANDEDGE

Data :#52

Date: 2016-11-20

Time: 16:21:25



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5232.200	53.33	40.90	94.23	54.00	40.23	AVG	No Limit
2	X	5232.400	62.76	40.90	103.66	68.30	35.36	peak	No Limit

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

(Reference Only)

File :FCCP_BANDEDGE\Data :#52

Page: 1

Test engineer :

Vincent



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5755

Temperature: 25 (C)

Humidity: 60 %

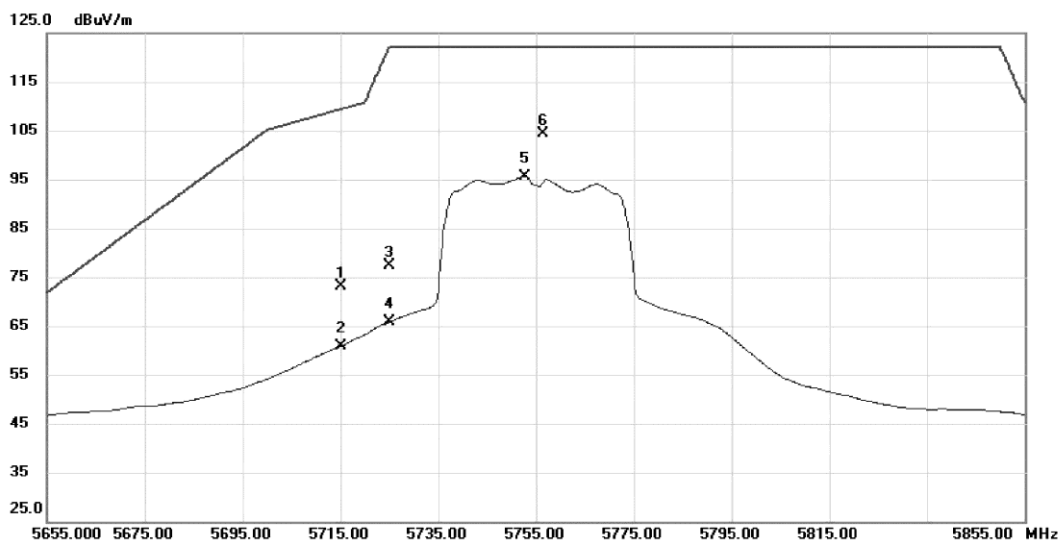
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#63

Date: 2016-11-20

Time: 17:00:49



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	30.60	42.55	73.15	109.40	-36.25	peak	
2		5715.000	18.31	42.55	60.86	109.40	-48.54	AVG	
3		5725.000	34.89	42.58	77.47	122.20	-44.73	peak	
4		5725.000	23.32	42.58	65.90	122.20	-56.30	AVG	
5		5752.800	53.02	42.68	95.70	122.20	-26.50	AVG	
6 *		5756.400	61.66	42.70	104.36	122.20	-17.84	peak	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5755

Temperature: 25 (C)

Humidity: 60 %

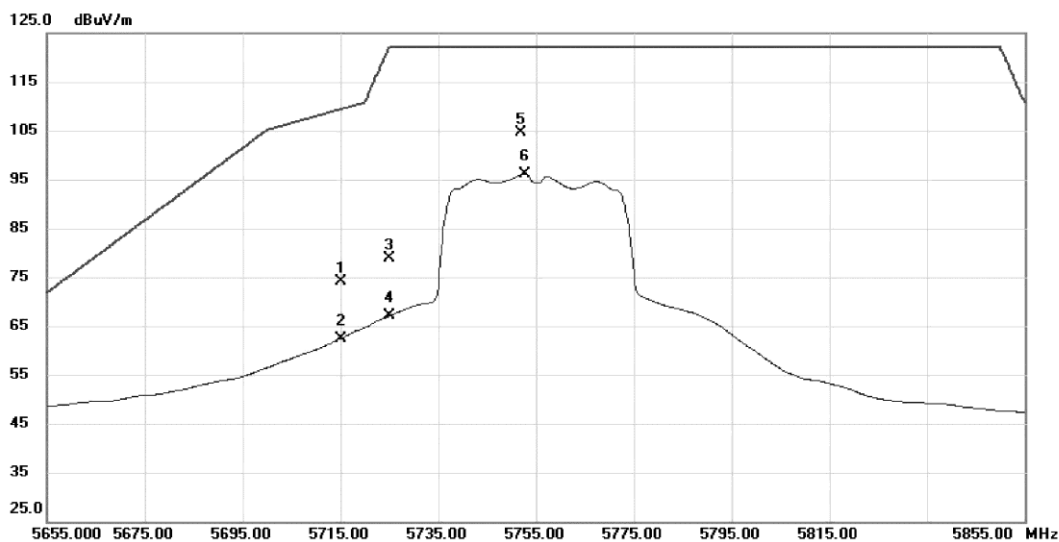
Radiated Emission Measurement

File : FCCP_BANDEGE

Data :#64

Date: 2016-11-20

Time: 16:54:41



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	31.52	42.55	74.07	109.40	-35.33	peak	
2		5715.000	19.88	42.55	62.43	109.40	-46.97	AVG	
3		5725.000	36.34	42.58	78.92	122.20	-43.28	peak	
4		5725.000	24.52	42.58	67.10	122.20	-55.10	AVG	
5 *		5751.800	62.08	42.67	104.75	122.20	-17.45	peak	
6		5752.800	53.53	42.68	96.21	122.20	-25.99	AVG	

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

(Reference Only)



BTL Inc.
do the best

Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: DC 5V

Distance: 3m

Mode: TX_N40_5795

Temperature: 25 (C)

Humidity: 60 %

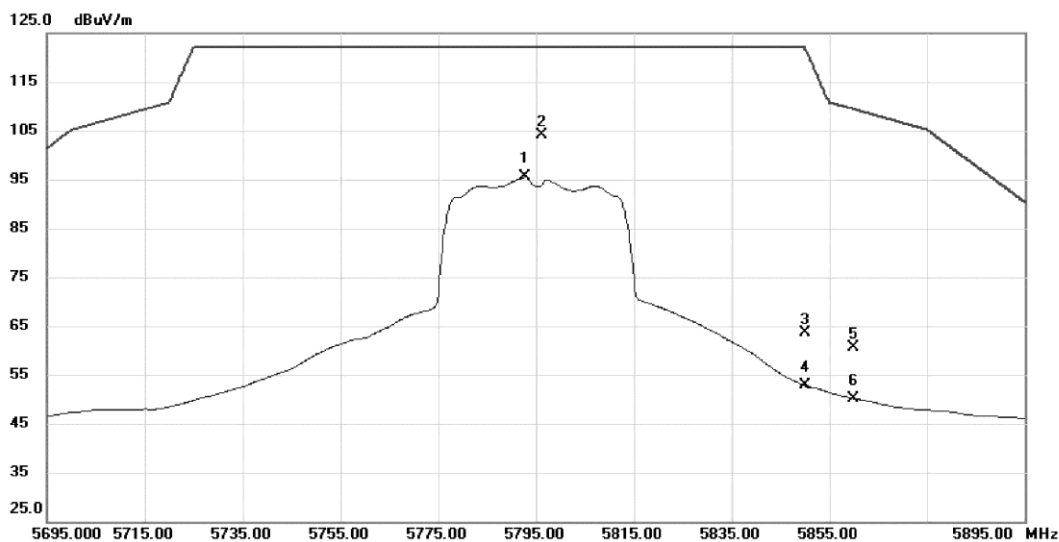
Radiated Emission Measurement

File :FCCP_BANDEGE

Data :#65

Date: 2016-11-20

Time: 16:59:28



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5792.800	52.72	42.82	95.54	122.20	-26.66	AVG	
2	*	5796.200	61.31	42.83	104.14	122.20	-18.06	peak	
3		5850.000	20.70	43.03	63.73	122.20	-58.47	peak	
4		5850.000	9.78	43.03	52.81	122.20	-69.39	AVG	
5		5860.000	17.55	43.06	60.61	109.40	-48.79	peak	
6		5860.000	7.18	43.06	50.24	109.40	-59.16	AVG	

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

(Reference Only)



Neutron Engineering Inc.
No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792



Site: DG-CB03

Polarization: **Horizontal**

Temperature: 25 (C)

Limit: FCC 15.407(new)Band IV 3M Radiation_PK

Power: DC 5V

Humidity: 60 %

EUT: Swann Wireless HD Smart Security Camera

Distance: 3m

M/N: SWWHD-INTCAM

Mode: TX_N40_5795

Note:

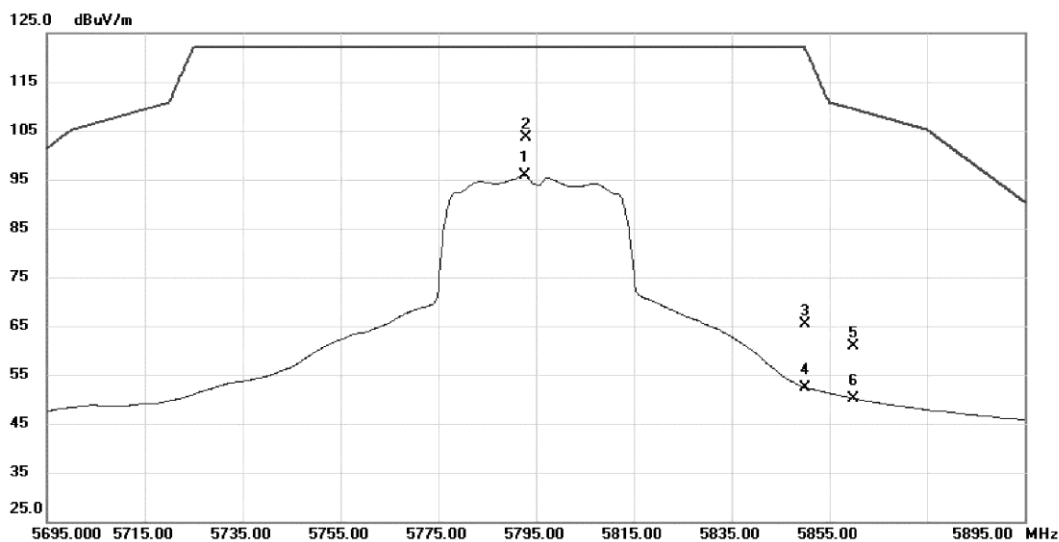
Radiated Emission Measurement

File : FCCP_BANDEGE

Data : #66

Date: 2016-11-20

Time: 16:56:10



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5792.800	53.04	42.82	95.86	122.20	-26.34	AVG	
2	*	5793.000	60.91	42.82	103.73	122.20	-18.47	peak	
3		5850.000	22.25	43.03	65.28	122.20	-56.92	peak	
4		5850.000	9.34	43.03	52.37	122.20	-69.83	AVG	
5		5860.000	17.93	43.06	60.99	109.40	-48.41	peak	
6		5860.000	7.16	43.06	50.22	109.40	-59.18	AVG	

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

(Reference Only)

Appendix A.11: Radiated Emissions

Battery Charging only

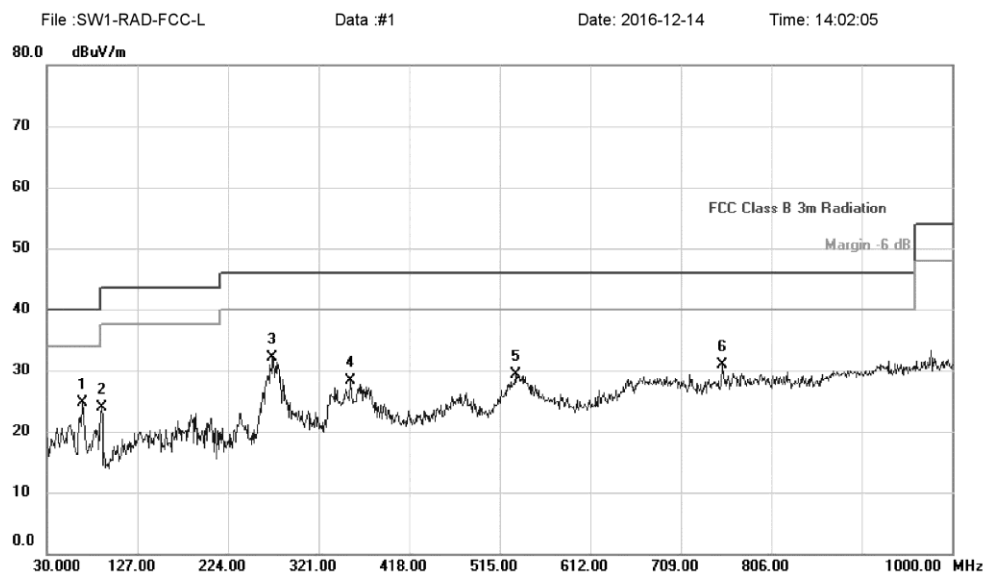


No.3.JinShaGang 1st Road, ShiXia, DaLang Town, DongGuan, China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB02	Polarization: Horizontal	Temperature: 25 (C)
Limit: FCC Class B 3m Radiation	Power: AC 120V/60Hz	Humidity: 60 %
EUT: Swann Wireless HD Smart Security Camera	Distance: 3m	
M/N: SWWHD-INTCAM	Mode: FULL SYSTEM(CHarge)	
Note:		

Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		68.3150	39.49	-14.72	24.77	40.00	-15.23	QP	
2		88.2000	40.23	-16.34	23.89	43.50	-19.61	QP	
3	*	271.5300	44.12	-12.00	32.12	46.00	-13.88	QP	
4		354.9500	38.62	-10.41	28.21	46.00	-17.79	QP	
5		531.9750	34.85	-5.61	29.24	46.00	-16.76	QP	
6		754.1050	31.73	-0.75	30.98	46.00	-15.02	QP	

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

(Reference Only)



BTL Inc.
do the best

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB02

Limit: FCC Class B 3m Radiation

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Mode: FULL SYSTEM(Charge)

Temperature: 25 (C)

Humidity: 60 %

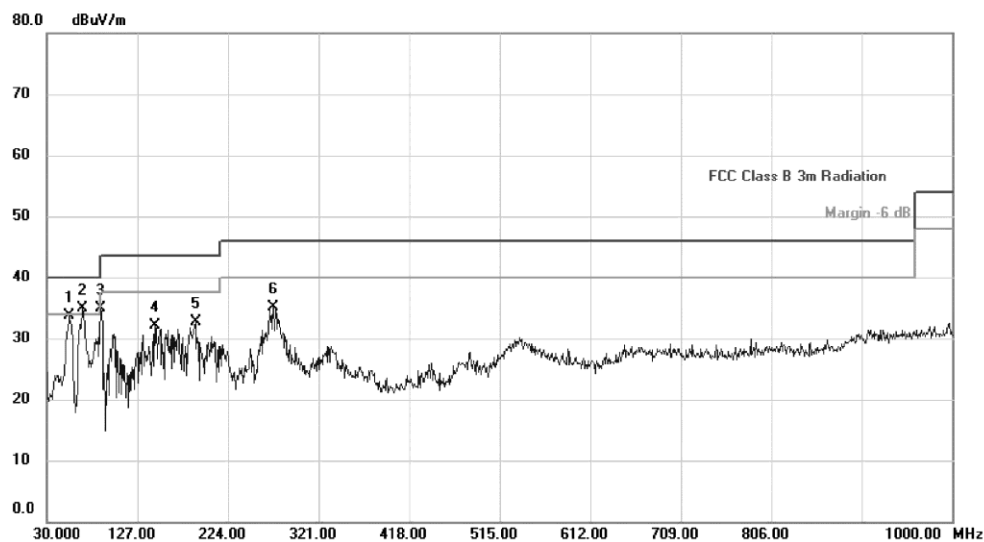
Radiated Emission Measurement

File :SW1-RAD-FCC-L

Data :#2

Date: 2016-12-14

Time: 14:04:23



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	54.2500	45.86	-12.25	33.61	40.00	-6.39	QP	
2 *	68.3150	49.72	-14.72	35.00	40.00	-5.00	QP	
3 !	87.7150	51.19	-16.32	34.87	40.00	-5.13	QP	
4	145.4300	43.96	-11.90	32.06	43.50	-11.44	QP	
5	189.5650	45.92	-13.15	32.77	43.50	-10.73	QP	
6	272.9850	47.10	-11.96	35.14	46.00	-10.86	QP	

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

(Reference Only)

File :SW1-RAD-FCC-LData :#2

Page: 1

Test engineer :

Joyce



BTL Inc.
do the best

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB02

Limit: FCC above 1G ClassB 3m Radiation(peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3M

Mode: FULL SYSTEM(Charge)

Temperature: 25 (C)

Humidity: 60 %

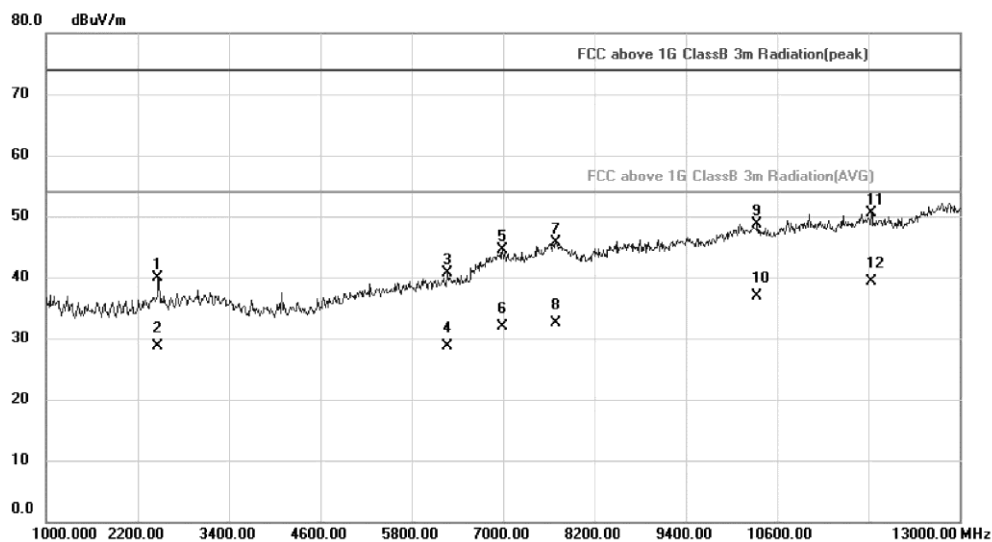
Radiated Emission Measurement

File :SW1-RAD-FCC-H

Data :#1

Date: 2016-12-14

Time: 14:29:59



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2470.000	39.99	0.01	40.00	74.00	-34.00	peak	
2		2470.000	28.67	0.01	28.68	54.00	-25.32	AVG	
3		6268.000	31.57	9.11	40.68	74.00	-33.32	peak	
4		6268.000	19.63	9.11	28.74	54.00	-25.26	AVG	
5		6988.000	33.05	11.38	44.43	74.00	-29.57	peak	
6		6988.000	20.60	11.38	31.98	54.00	-22.02	AVG	
7		7702.000	33.04	12.59	45.63	74.00	-28.37	peak	
8		7702.000	19.88	12.59	32.47	54.00	-21.53	AVG	
9		10336.00	32.47	16.31	48.78	74.00	-25.22	peak	
10		10336.00	20.67	16.31	36.98	54.00	-17.02	AVG	
11		11836.00	32.86	17.64	50.50	74.00	-23.50	peak	
12	*	11836.00	21.69	17.64	39.33	54.00	-14.67	AVG	

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

⟨Reference Only



BTL Inc.
do the best

No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-CB02

Limit: FCC above 1G ClassB 3m Radiation(peak)

EUT: Swann Wireless HD Smart Security Camera

M/N: SWWHD-INTCAM

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3M

Mode: FULL SYSTEM(Charge)

Temperature: 25 (C)

Humidity: 60 %

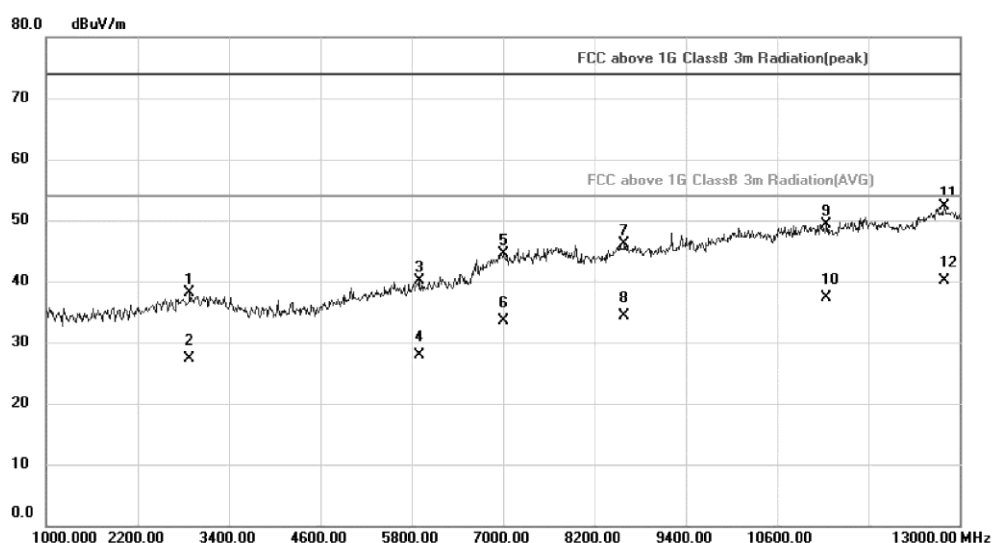
Radiated Emission Measurement

File :SW1-RAD-FCC-H

Data :#2

Date: 2016-12-14

Time: 14:31:45



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		2884.000	36.26	1.88	38.14	74.00	-35.86	peak	
2		2884.000	25.44	1.88	27.32	54.00	-26.68	AVG	
3		5896.000	31.66	8.37	40.03	74.00	-33.97	peak	
4		5896.000	19.46	8.37	27.83	54.00	-26.17	AVG	
5		7012.000	33.11	11.45	44.56	74.00	-29.44	peak	
6		7012.000	22.13	11.45	33.58	54.00	-20.42	AVG	
7		8596.000	32.46	13.61	46.07	74.00	-27.93	peak	
8		8596.000	20.68	13.61	34.29	54.00	-19.71	AVG	
9		11248.00	31.72	17.54	49.26	74.00	-24.74	peak	
10		11248.00	19.68	17.54	37.22	54.00	-16.78	AVG	
11		12802.00	33.68	18.53	52.21	74.00	-21.79	peak	
12	*	12802.00	21.63	18.53	40.16	54.00	-13.84	AVG	

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

⟨Reference Only

Appendix A.12: Conducted Emissions

Wi-Fi operation with Battery Charging

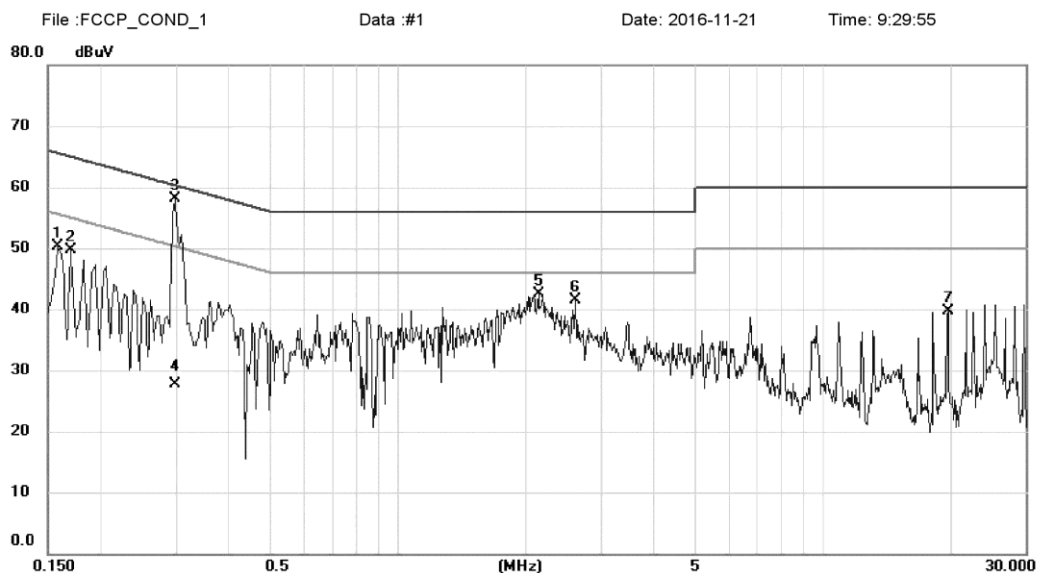


No.3.JinShaGang 1st Road, ShiXia, DaLang Town, DongGuan, China.
Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-C02	Phase: L1	Temperature: 25 (C)
Limit: FCC Class B Conduction(QP)	Power: AC 120V/60Hz	Humidity: 53 %
EUT: Swann Wireless HD Smart Security Camera	Distance:	
M/N: SWWHD-INTCAM	Mode: TX	
Note:		

Conducted Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1580	40.81	9.52	50.33	65.57	-15.24	peak	
2		0.1700	40.21	9.52	49.73	64.96	-15.23	peak	
3	*	0.2980	48.63	9.53	58.16	60.30	-2.14	peak	
4		0.2980	18.13	9.53	27.66	50.30	-22.64	AVG	
5		2.1380	32.62	9.95	42.57	56.00	-13.43	peak	
6		2.6100	31.41	10.09	41.50	56.00	-14.50	peak	
7		19.6420	29.37	10.40	39.77	60.00	-20.23	peak	

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

(Reference Only)



No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com



Site: DG-C02	Phase: N	Temperature: 25 (C)
Limit: FCC Class B Conduction(QP)	Power: AC 120V/60Hz	Humidity: 53 %
EUT: Swann Wireless HD Smart Security Camera	Distance:	
M/N: SWWHD-INTCAM	Mode: TX	
Note:		

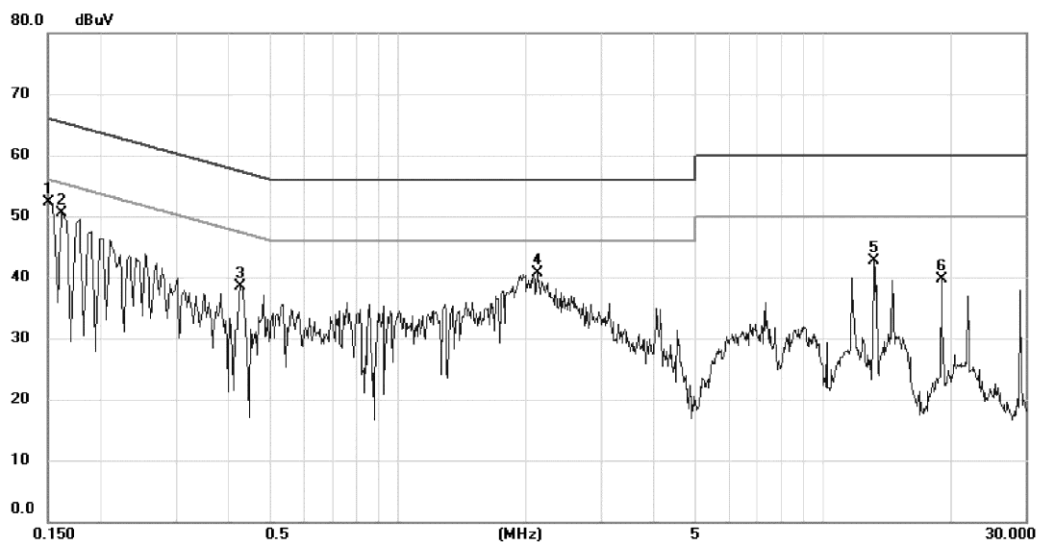
Conducted Emission Measurement

File :FCCP_COND_1

Data :#2

Date: 2016-11-21

Time: 9:33:29



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1500	42.72	9.52	52.24	66.00	-13.76	peak	
2		0.1620	40.98	9.46	50.44	65.36	-14.92	peak	
3		0.4260	29.15	9.44	38.59	57.33	-18.74	peak	
4		2.1260	31.01	9.72	40.73	56.00	-15.27	peak	
5		13.1740	32.46	10.34	42.80	60.00	-17.20	peak	
6		18.9780	29.19	10.47	39.66	60.00	-20.34	peak	

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

(Reference Only)

Appendix B

Test Results of RF Exposure

APPENDIX B.1: RF EXPOSURE COMPLIANCE 2

Appendix B.1: RF Exposure Compliance

Radio Frequency Exposure Compliance

RESULT:

Pass

Test standard : FCC 1.1310
FCC KDB publication 447498 D01 v06

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm. Therefore MPE measurement or computational modeling should be used to determine compliance.

MPE Calculation

According to the formula

$$Pd = \frac{P_{out} * G}{4R^2 \pi}$$

Where

Pd = power density in mW/cm² or W/m²

Pout = output power to antenna in mW or W

G = Antenna gain in numeric

π = 3.14159

R = Distance between observation point and the center of radiator in cm or m

In here

Pout = 17.39dBm = 54.83mW

G = 3dBi = 2.0 (numeric)

R = 20cm

For Wi-Fi operation:

$$Pd = \frac{P_{out} * G}{4R^2 \pi} = \frac{54.83 * 2.0}{4 * 20^2 * 3.14159} = 0.0218 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2 \text{ for FCC limit}$$

The summed maximum permissible exposure (MPE) level is 0.0218mW/cm². It is less than MPE limit 1mW/cm² for FCC, therefore the device compliance with MPE limit.