

Test Report No.50113475 001

Appendix D: Radiated and Mains Spurious Emission Data

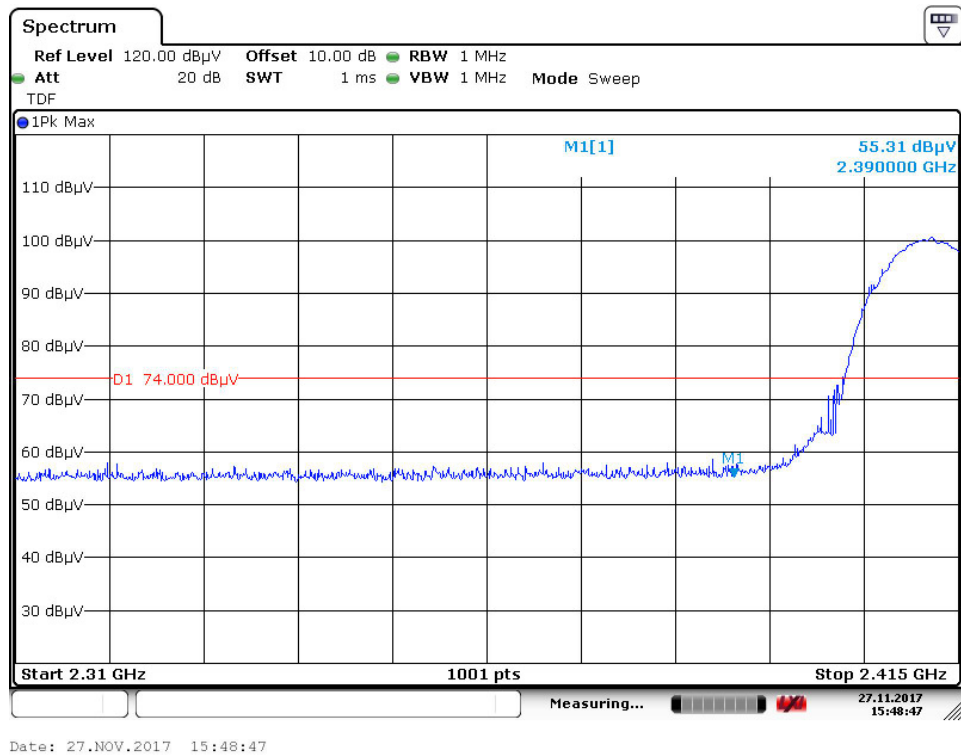
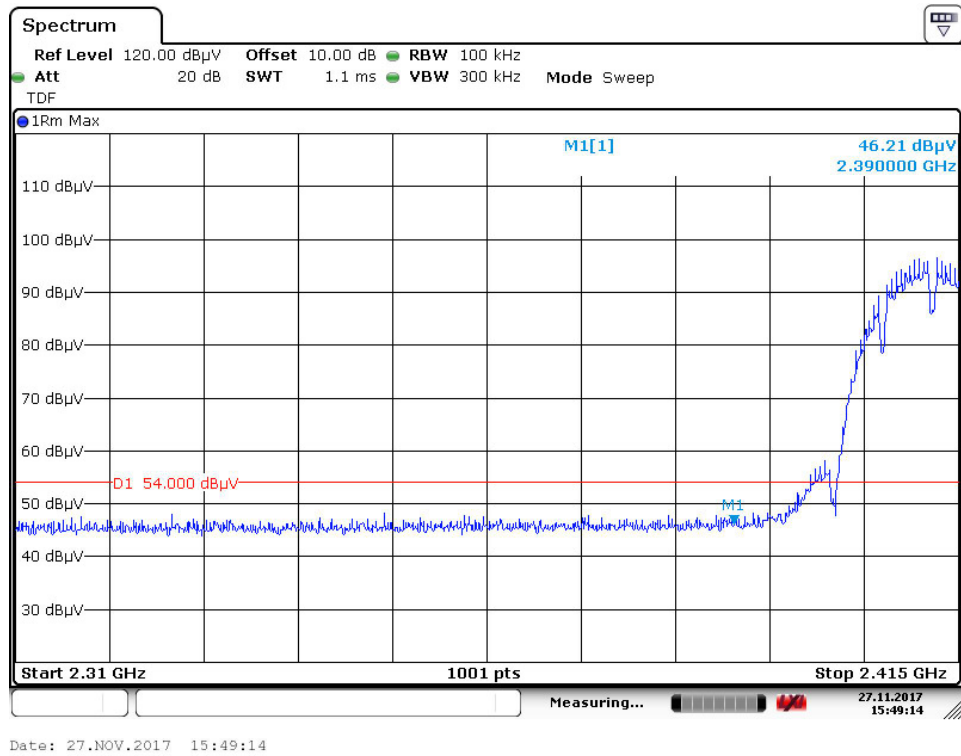
(File: 50113475AppendixD)

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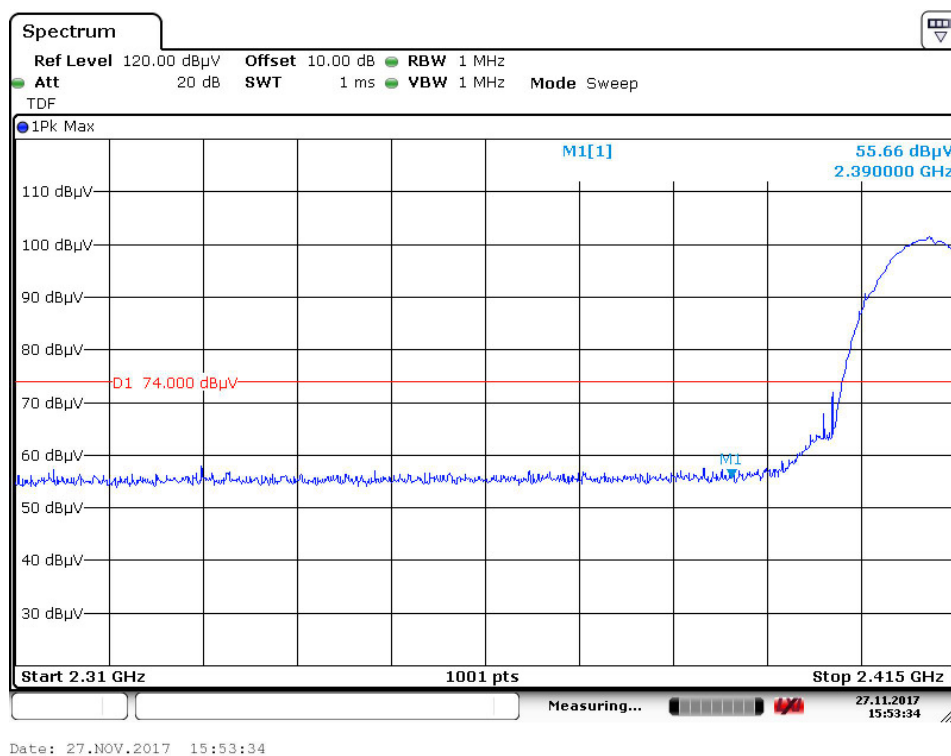
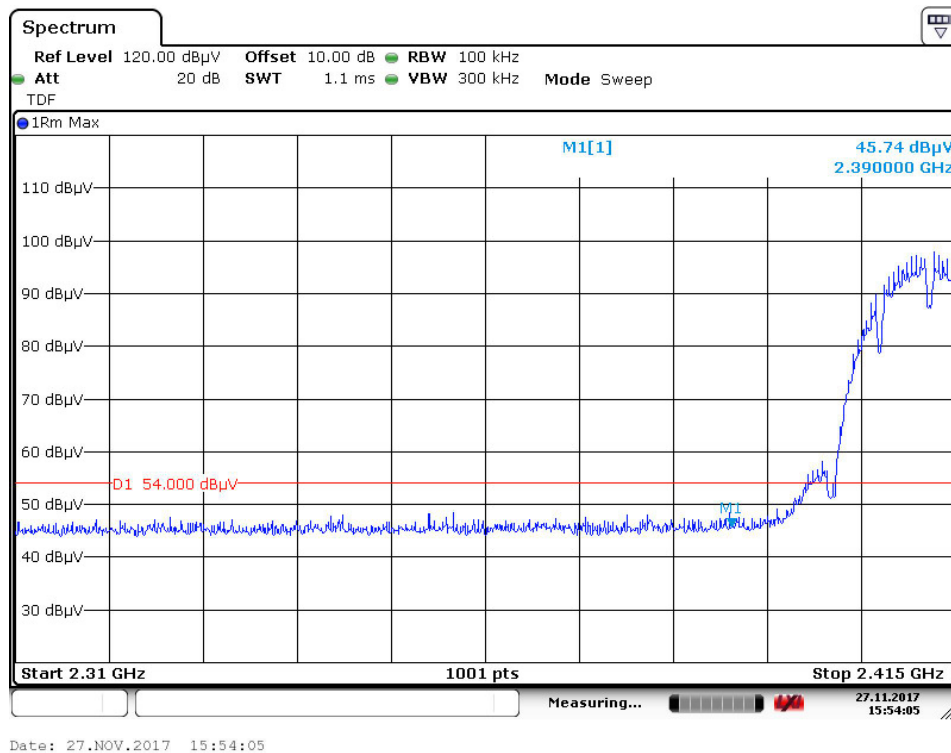
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Radiated Bandedge 11b

Low Channel (Hor) 2412



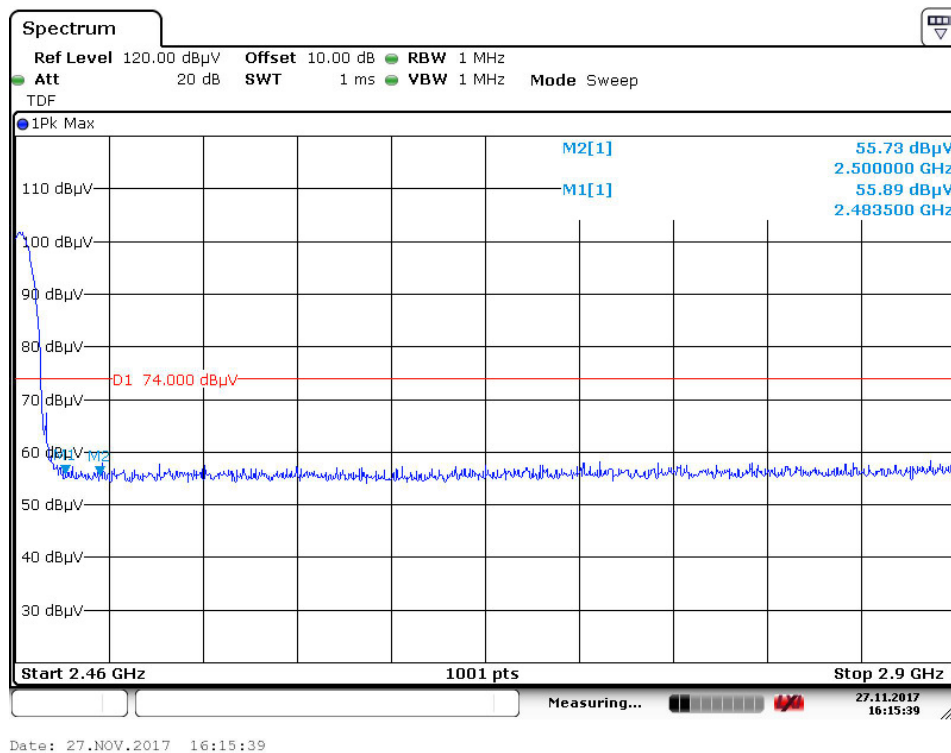
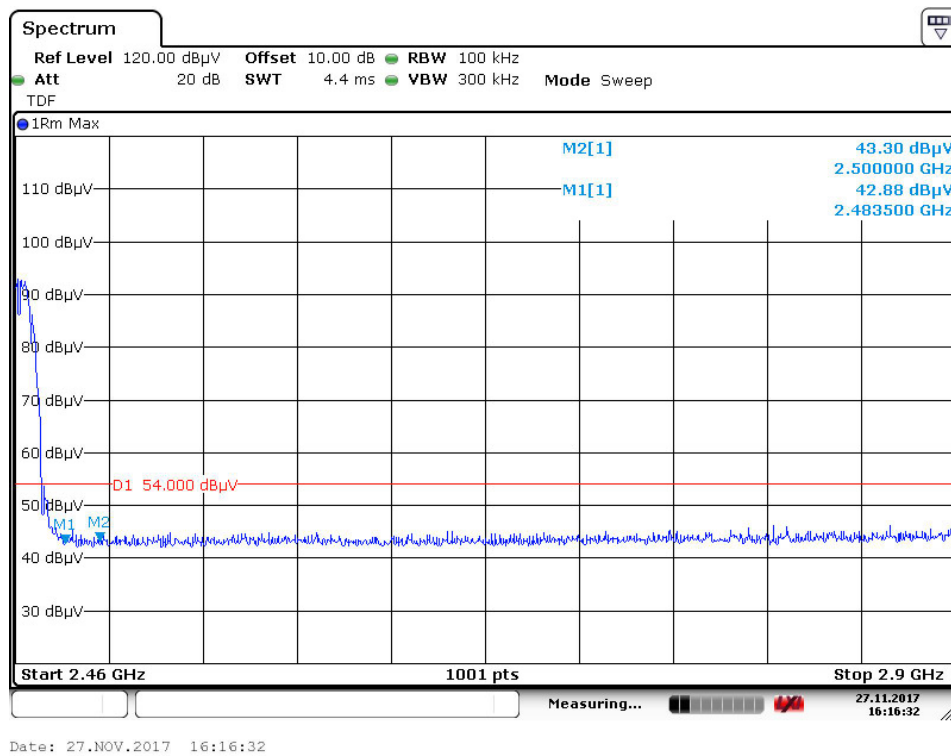
Low Channel (Ver) 2412



Spurious Emissions, Band Edge, 2.35-2.5G

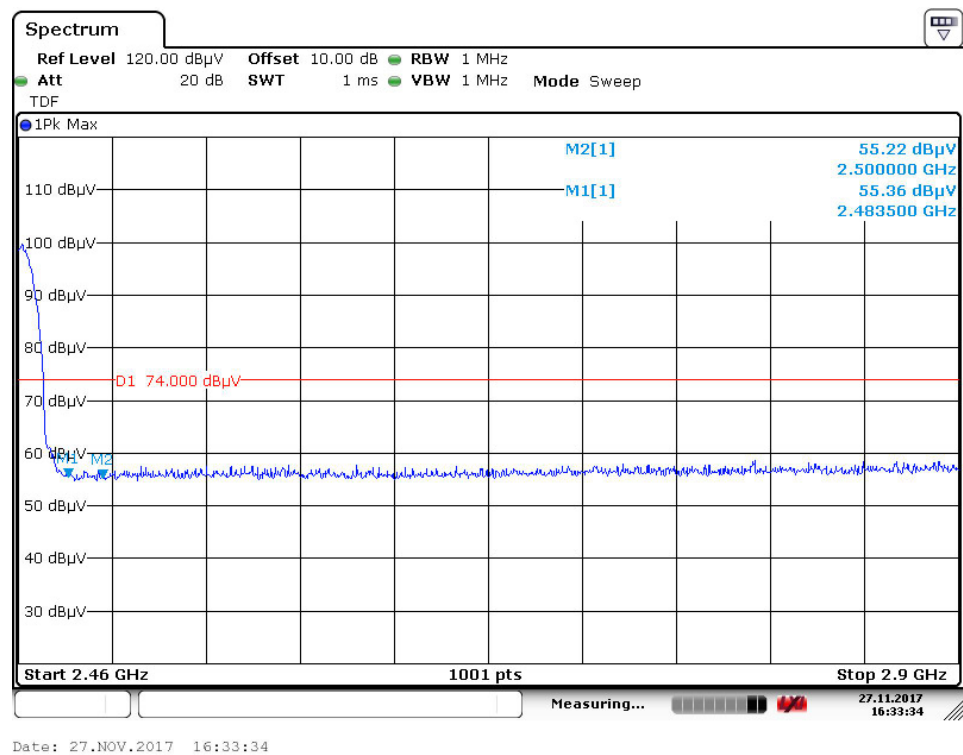
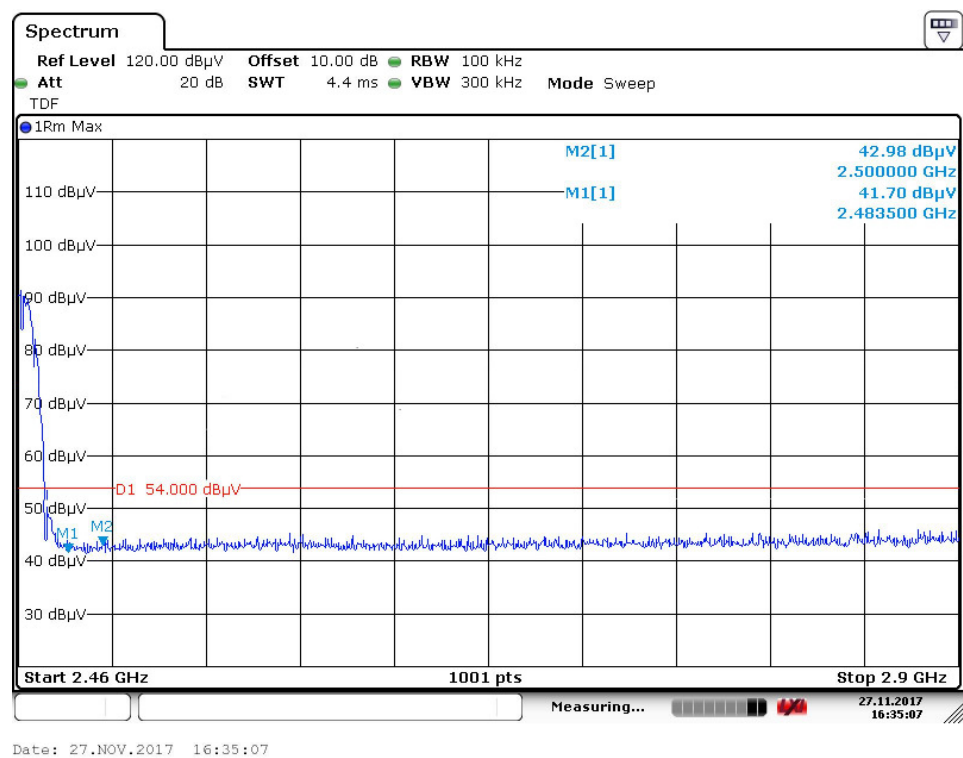
Radiated Bandedge 11b

High Channel (Hor) 2462



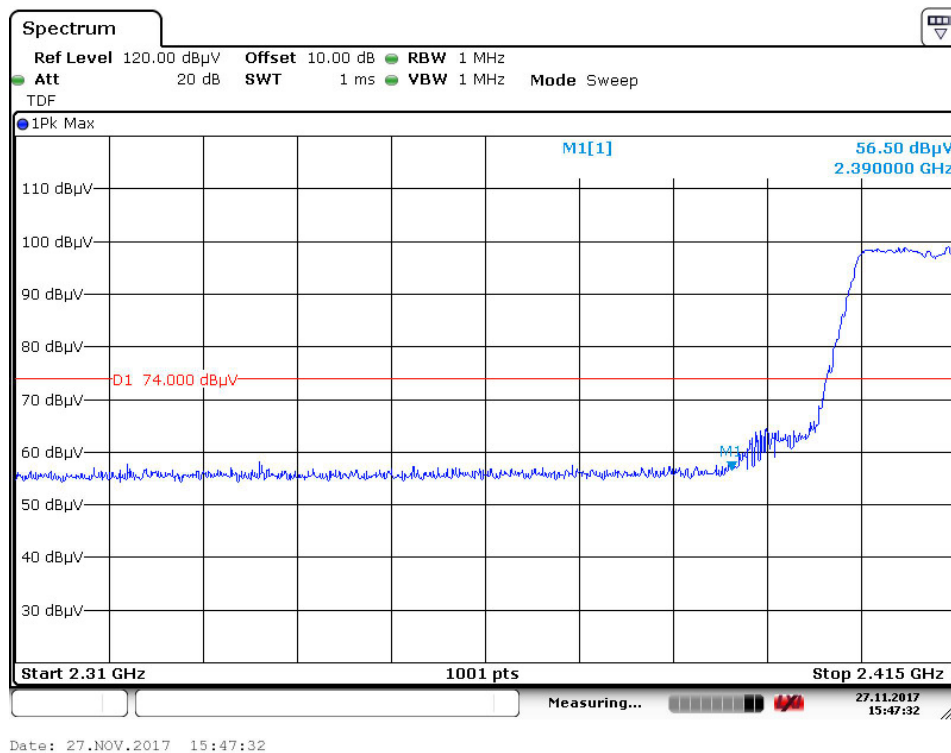
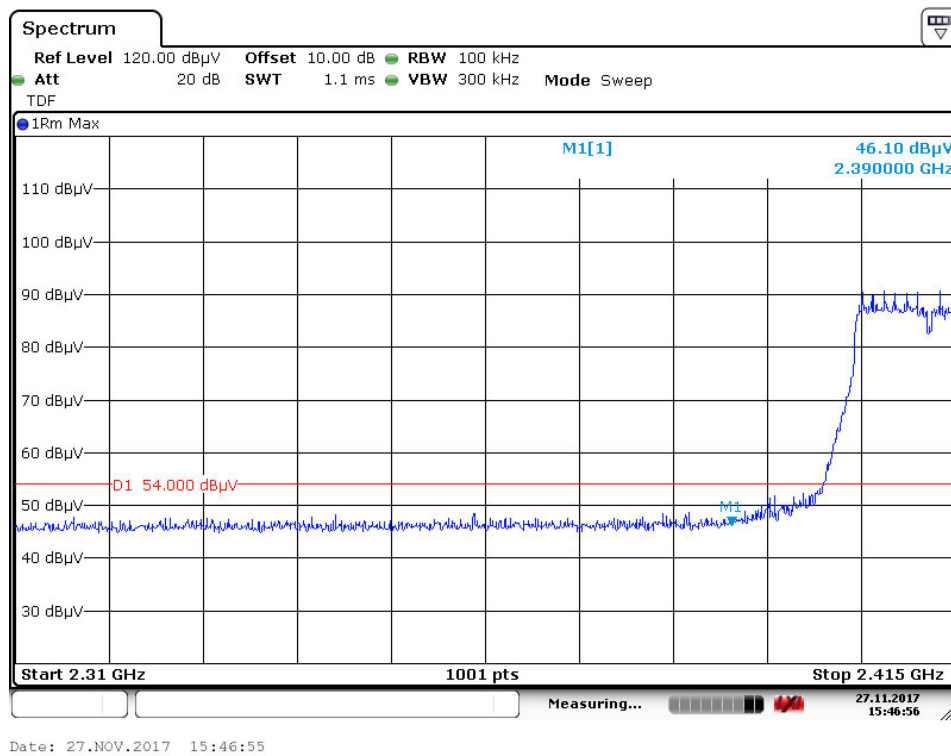
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High Channel (Ver) 2462



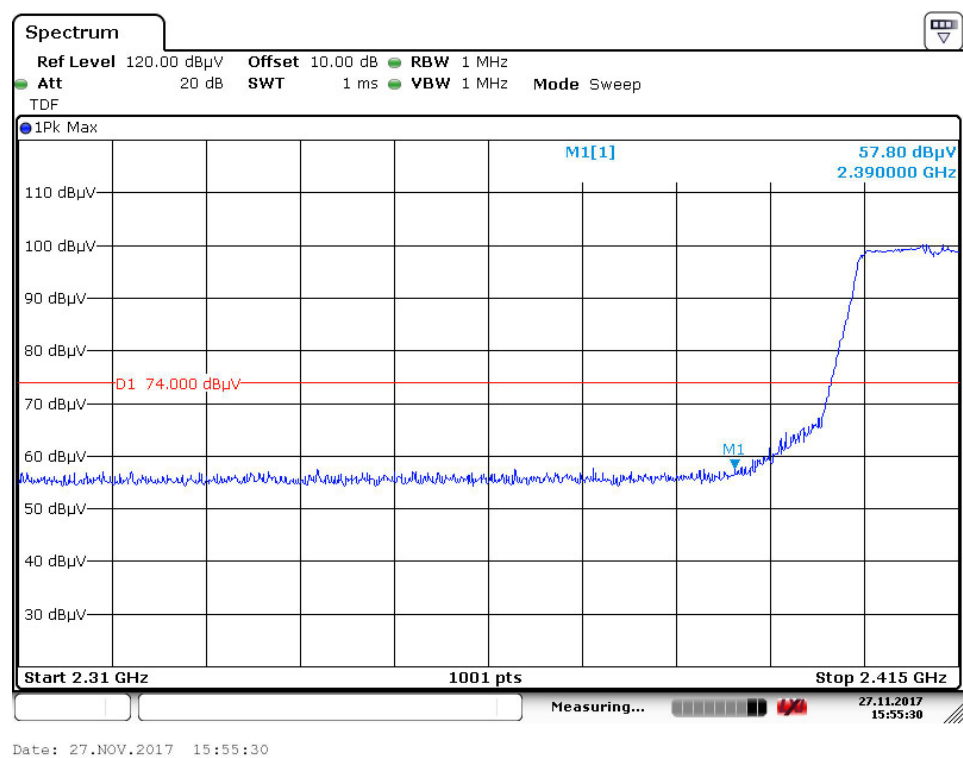
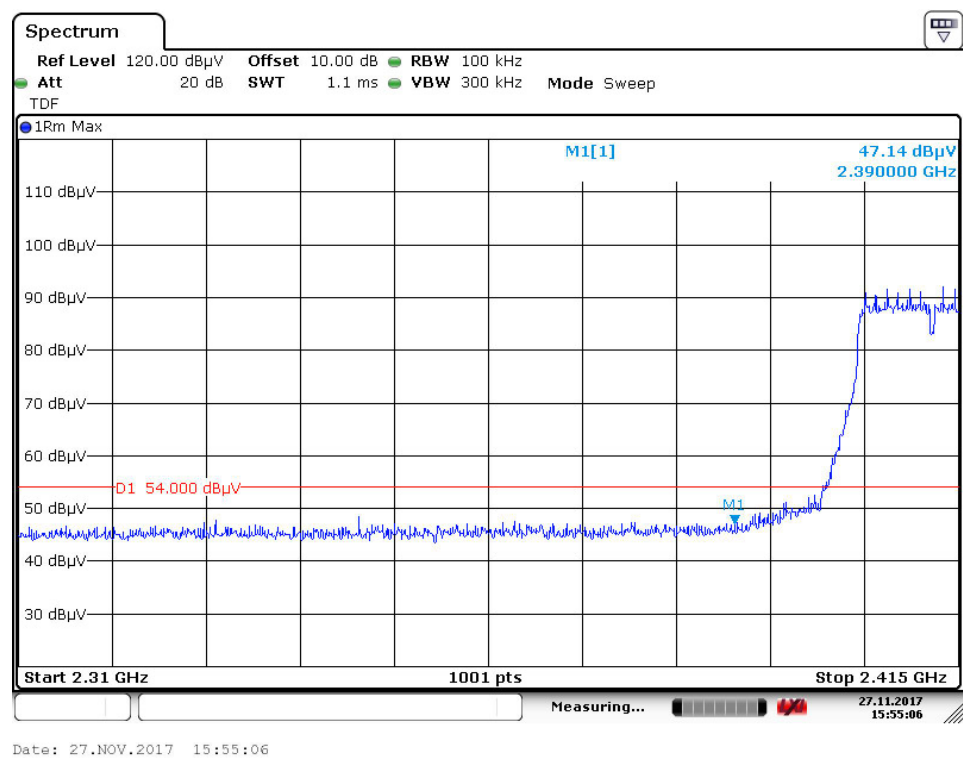
Radiated Bandedge 11g

High Channel (Hor) 2412



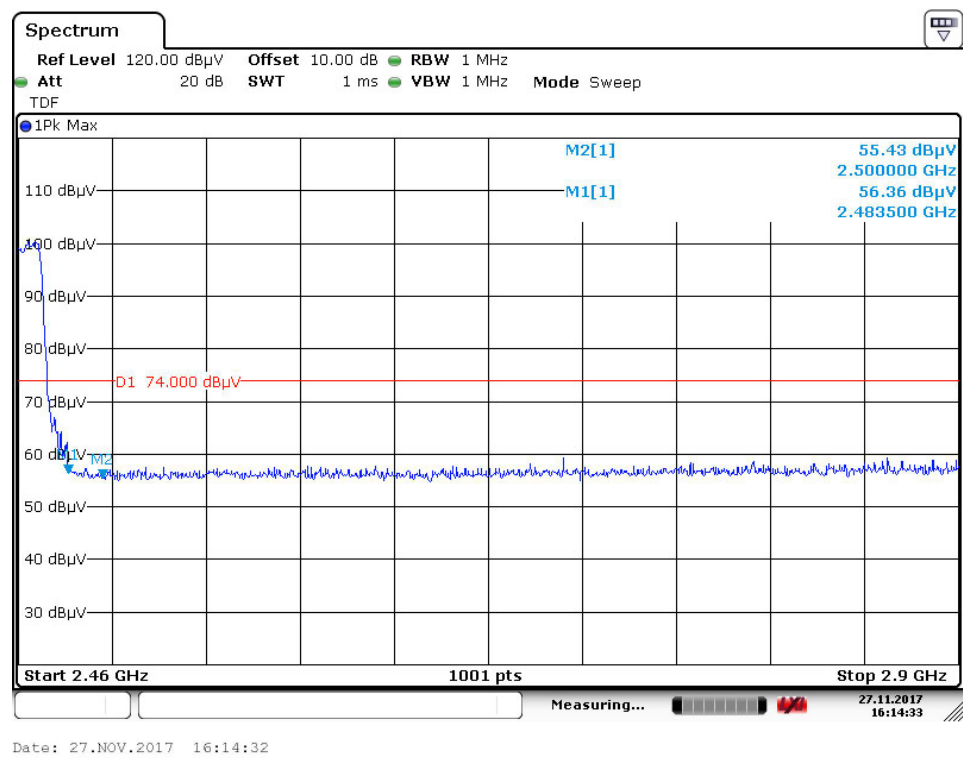
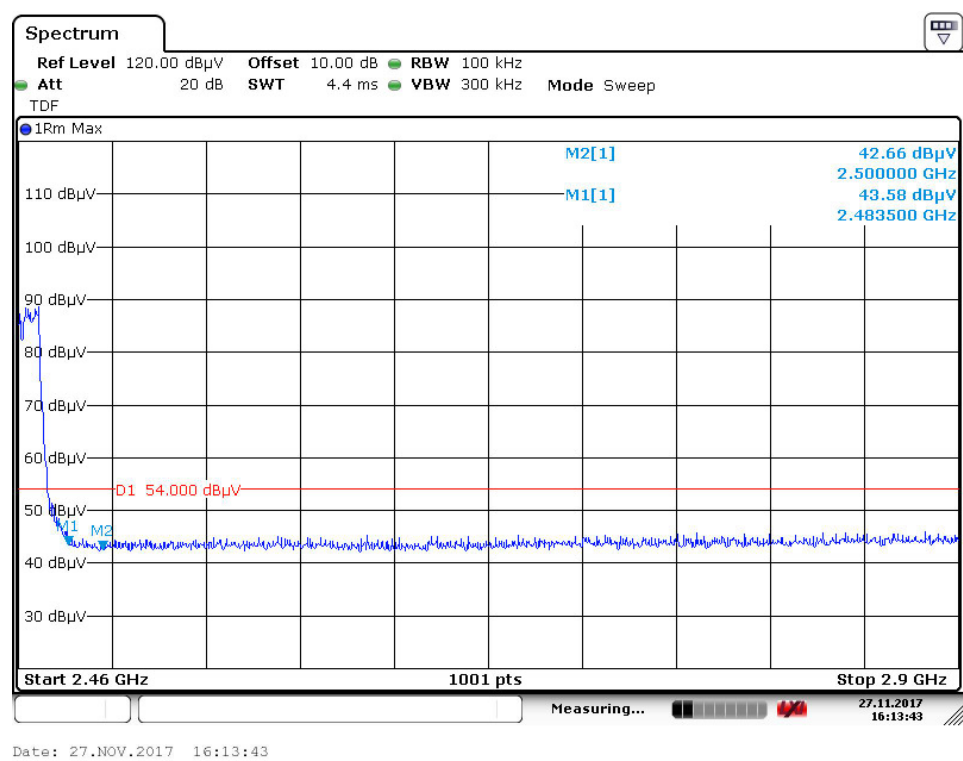
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High Channel (Ver) 2412



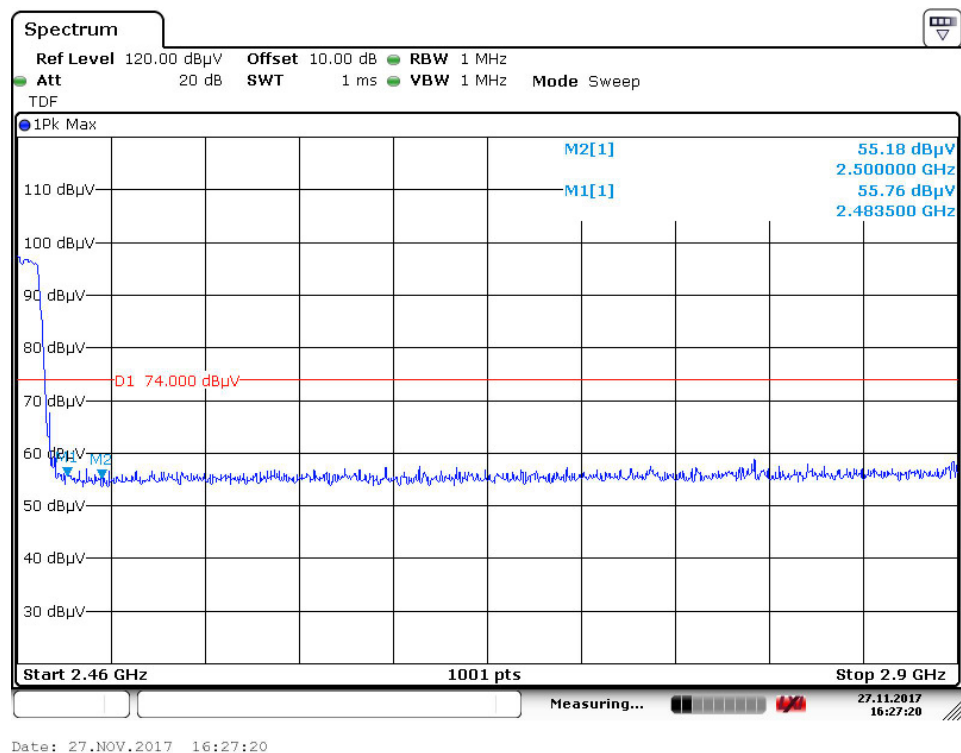
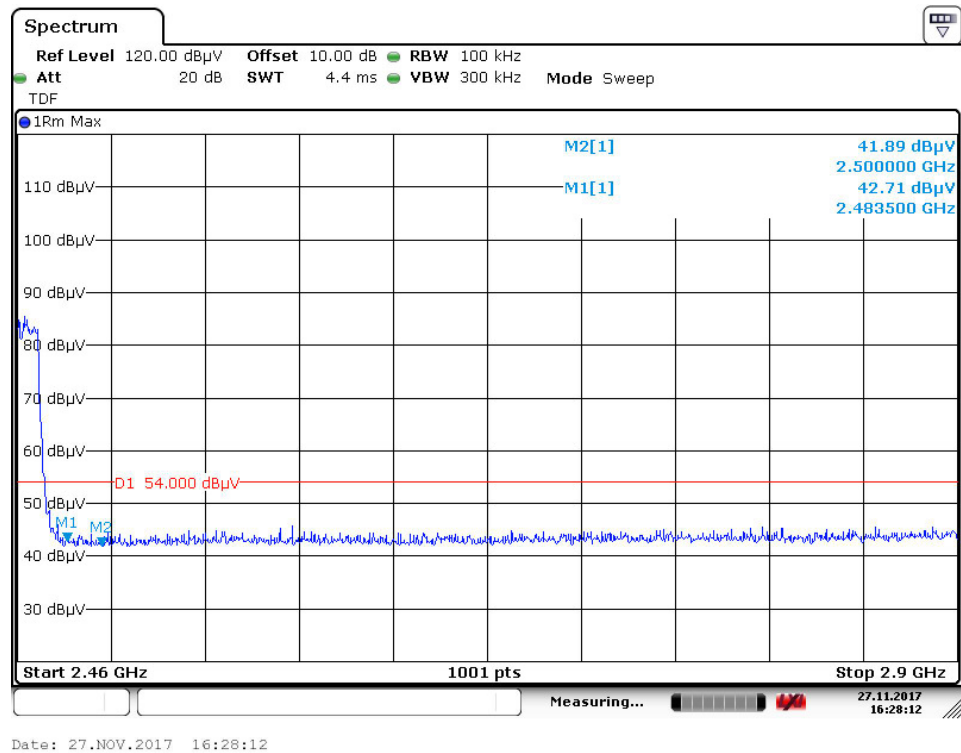
Radiated Bandedge 11g

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Spurious Emissions, Band Edge, 2.35-2.5G

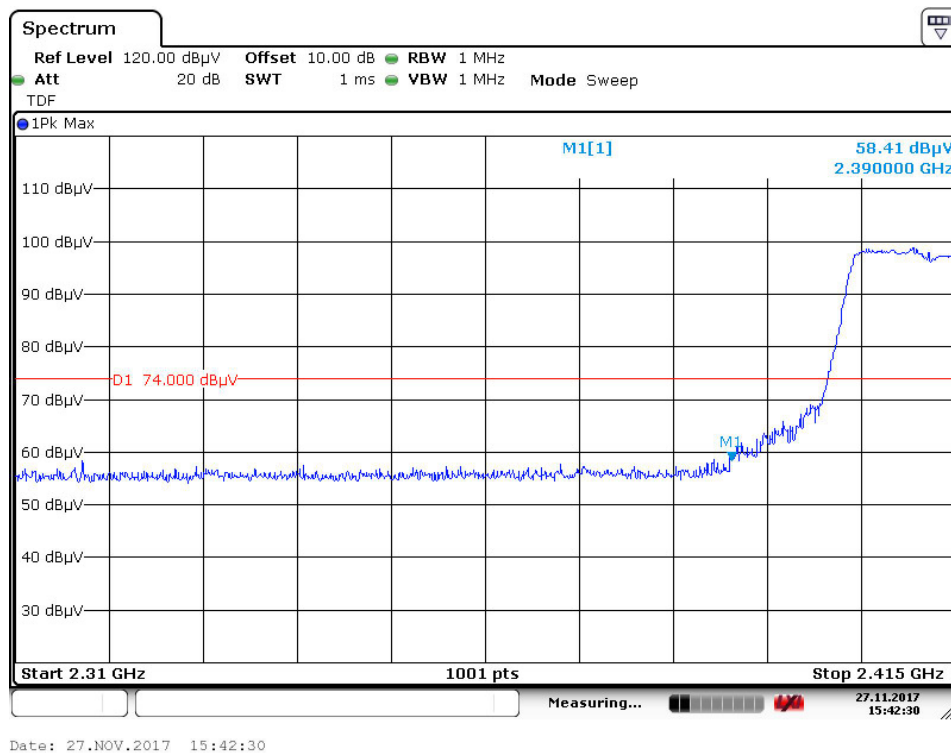
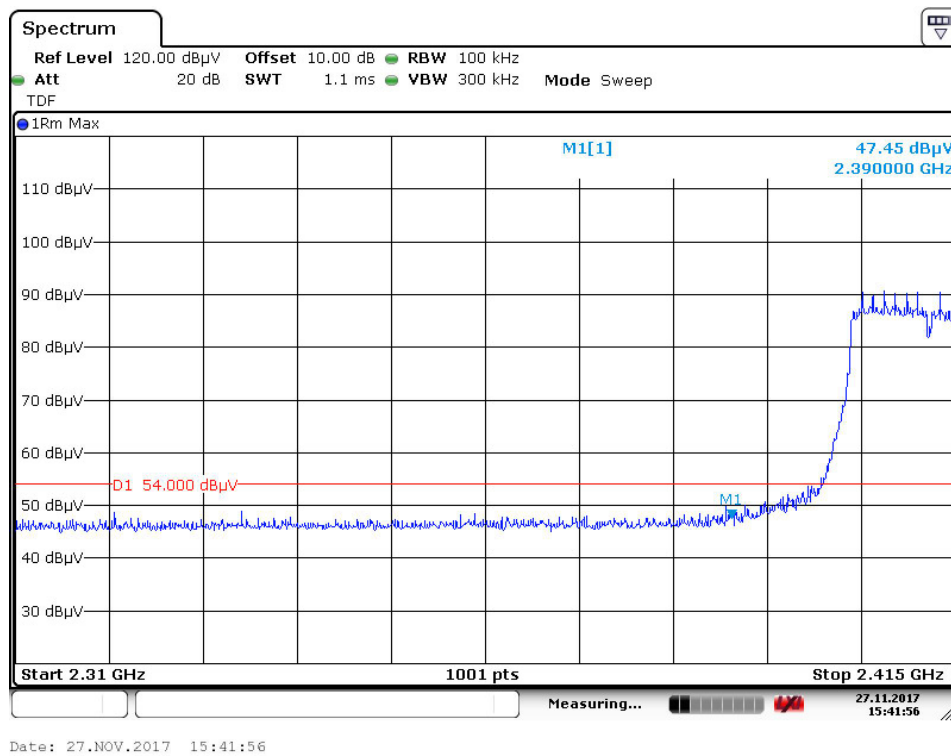
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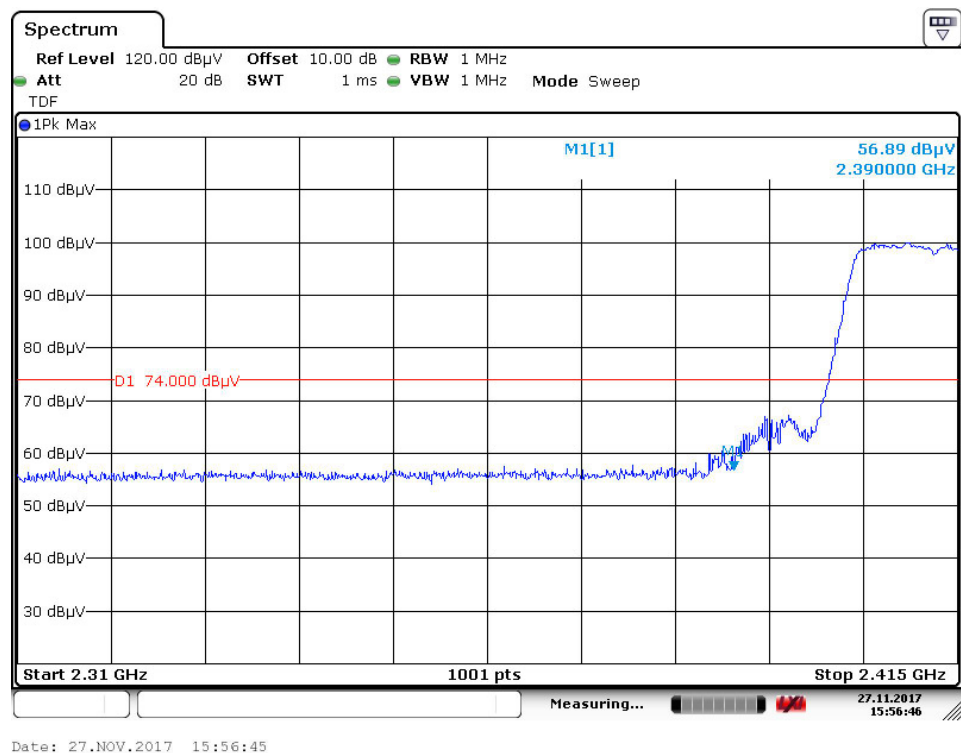
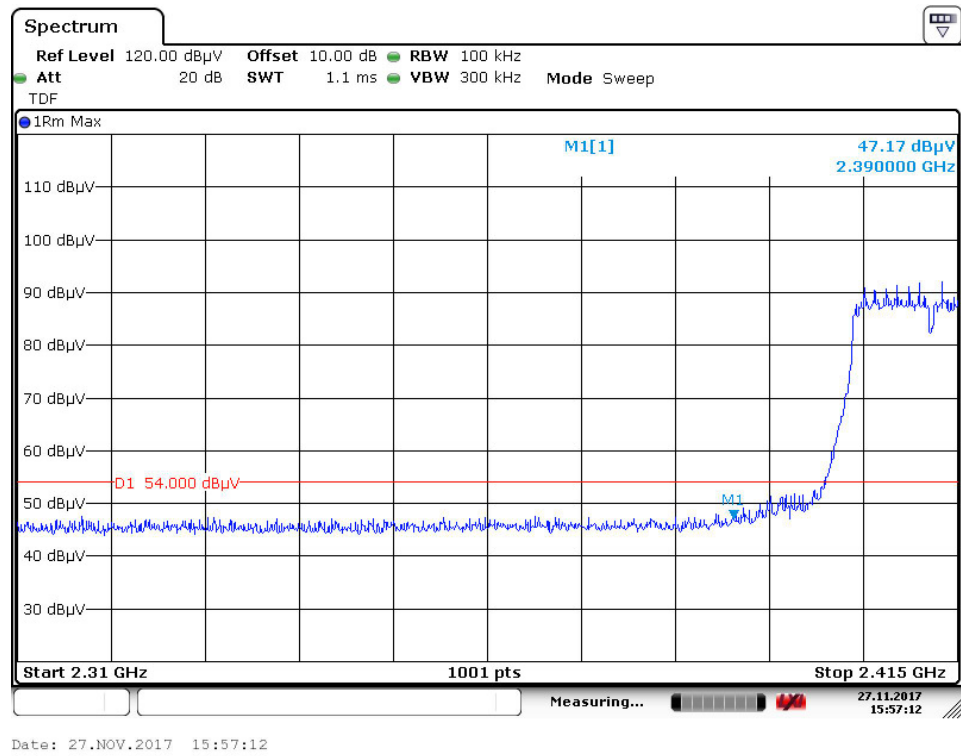
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge HT20

High Channel (Hor) 2412



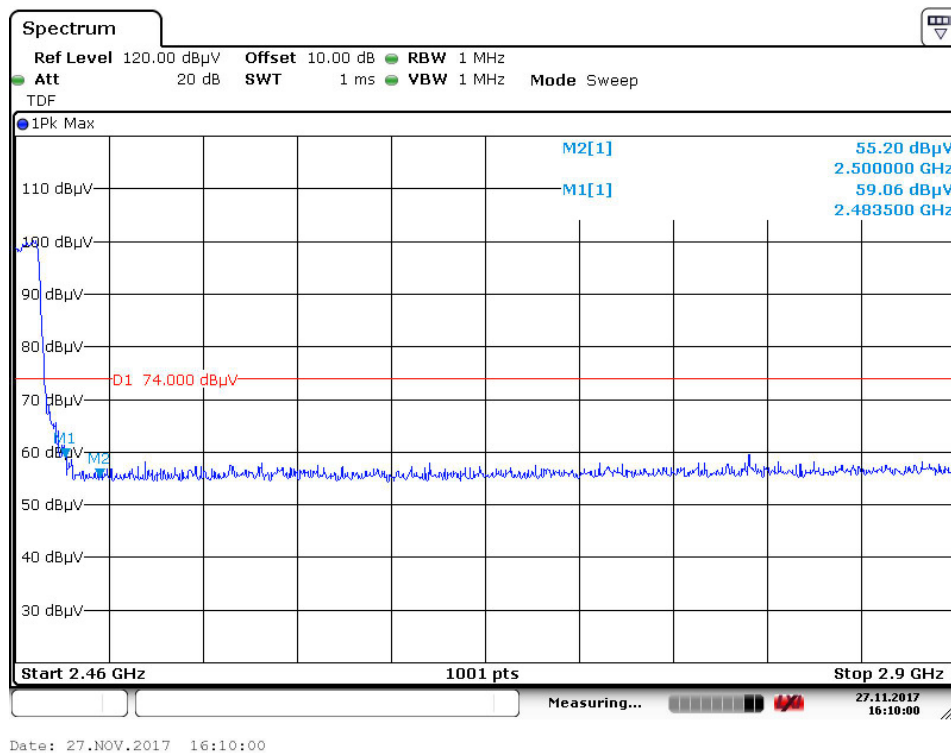
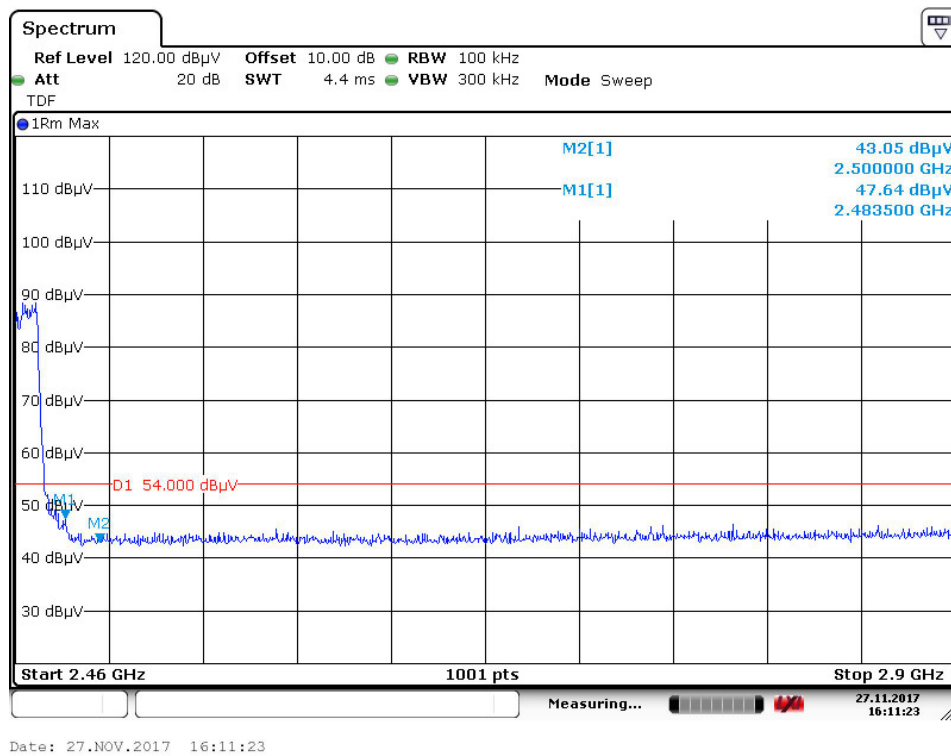
High Channel (Ver) 2412



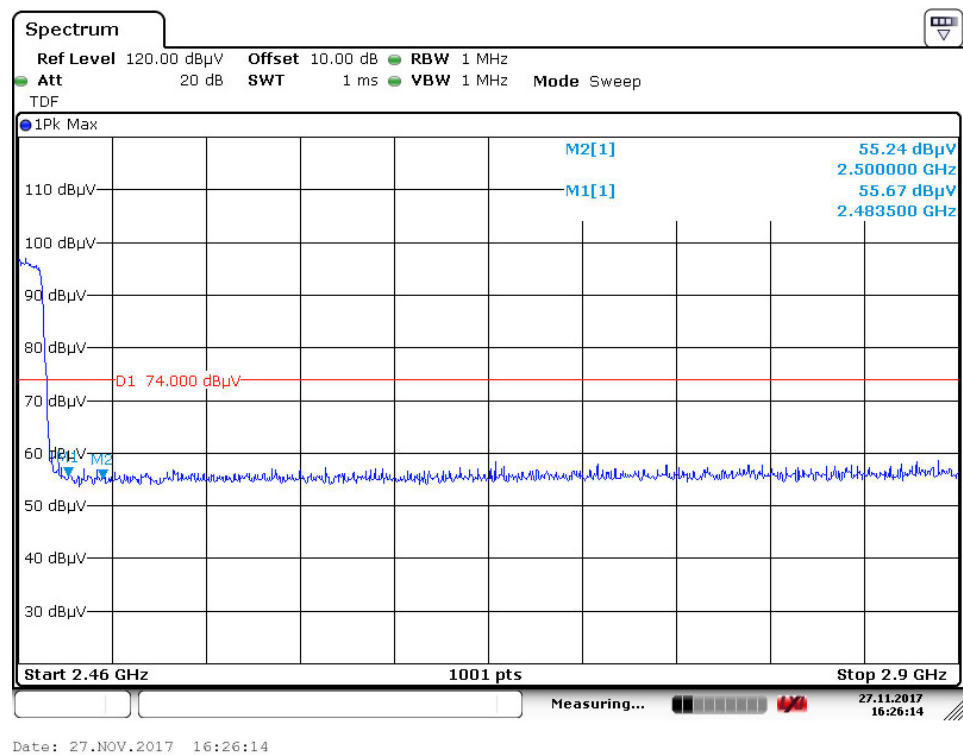
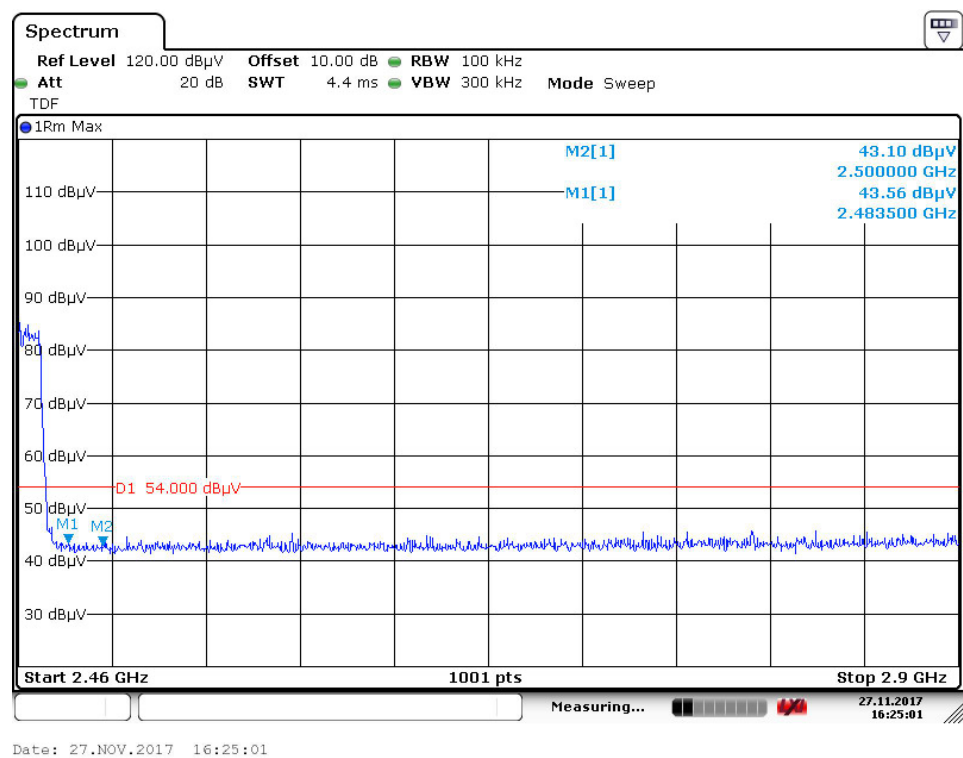
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge HT20

High Channel (Hor) 2412

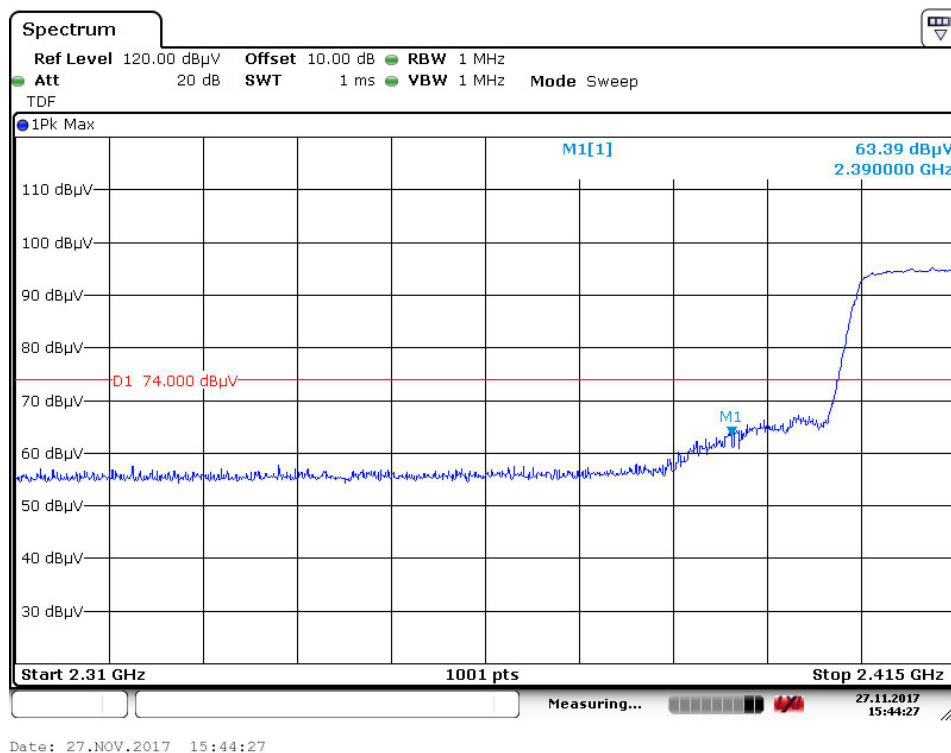
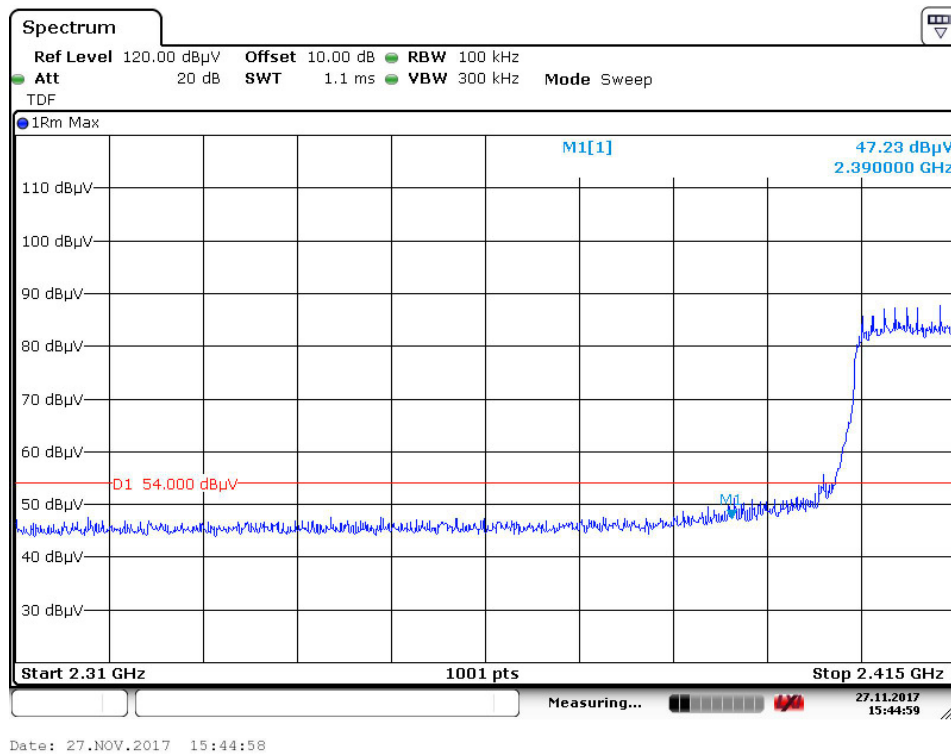


High Channel (Ver) 2412



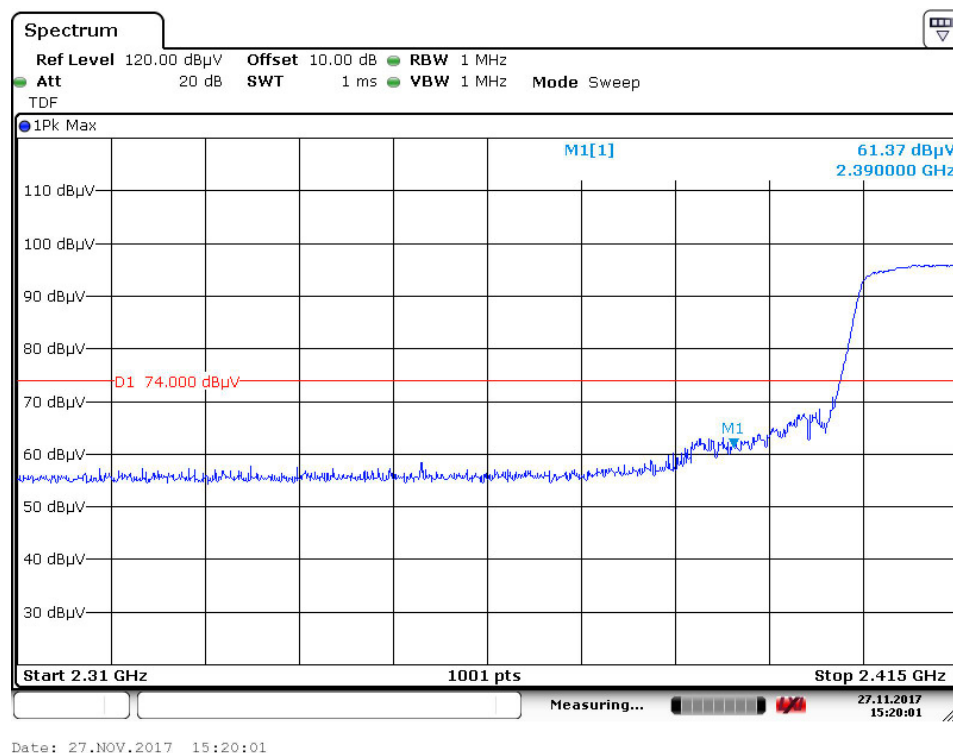
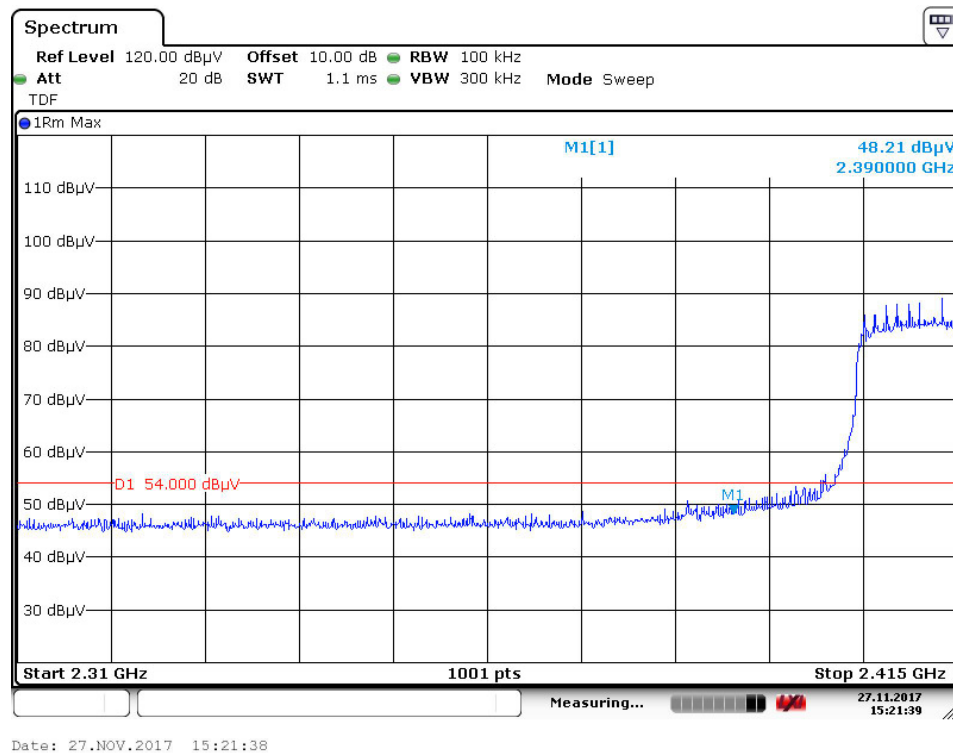
Radiated Bandedge HT40

High Channel (Hor) 2422



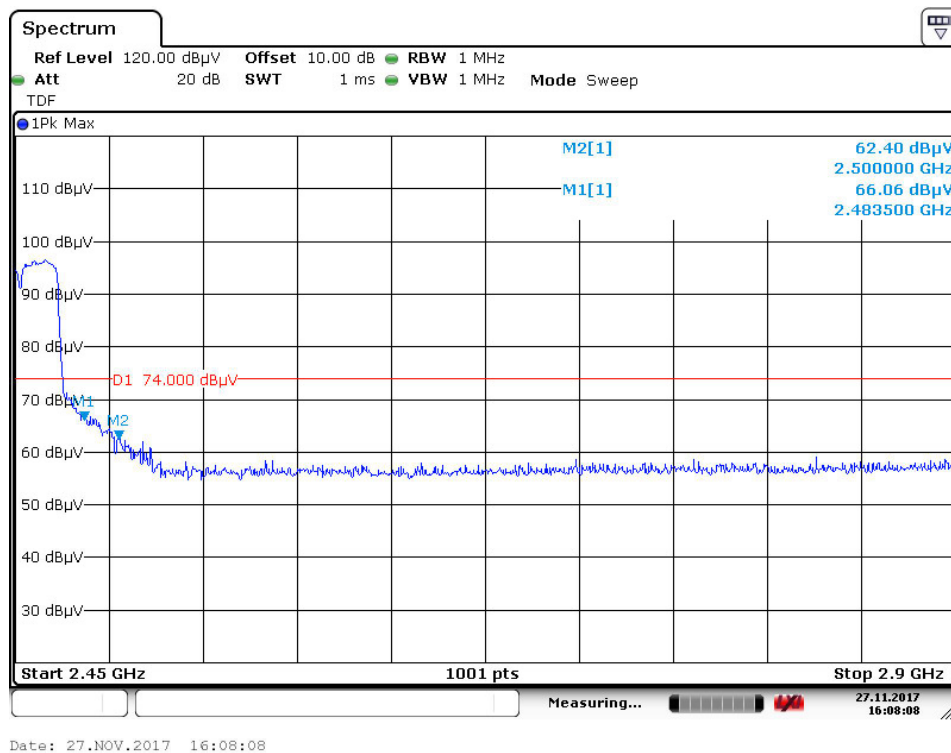
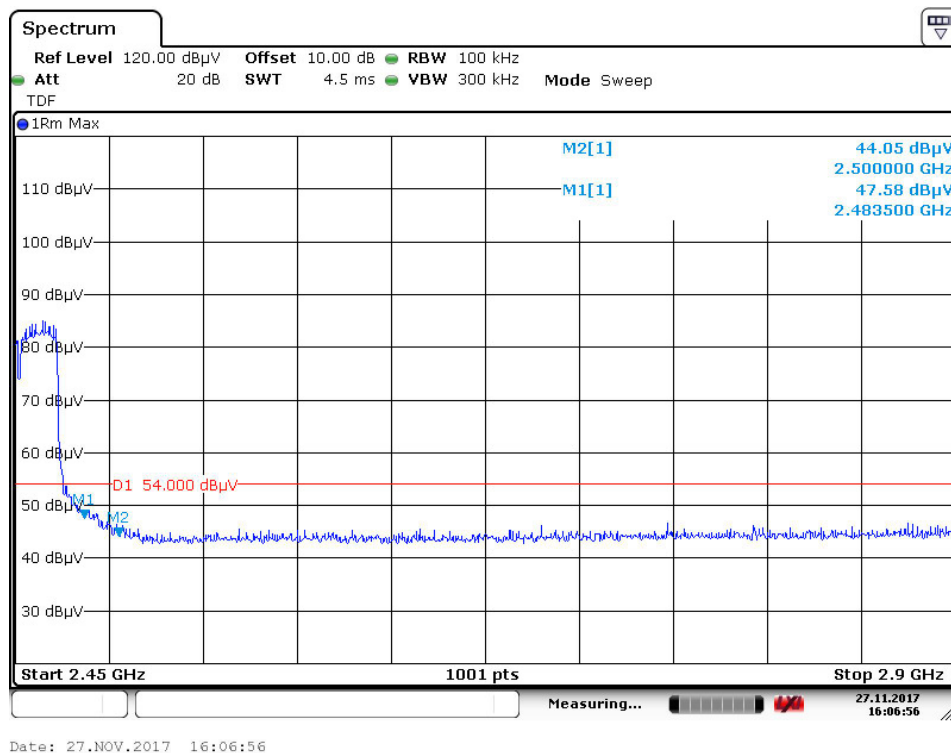
Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver) 2422



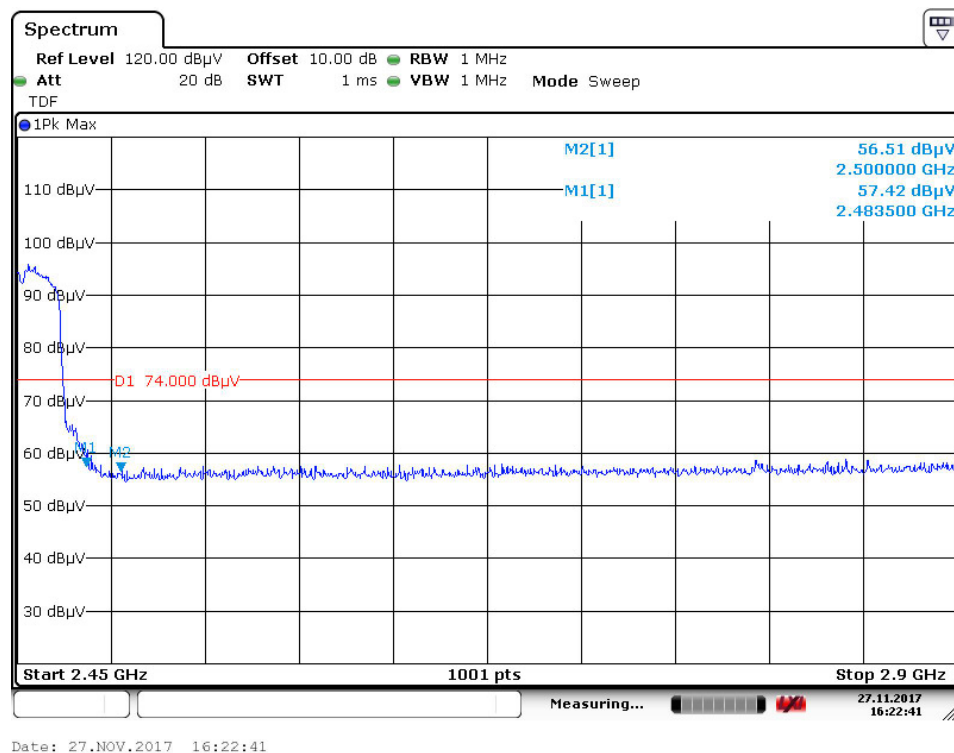
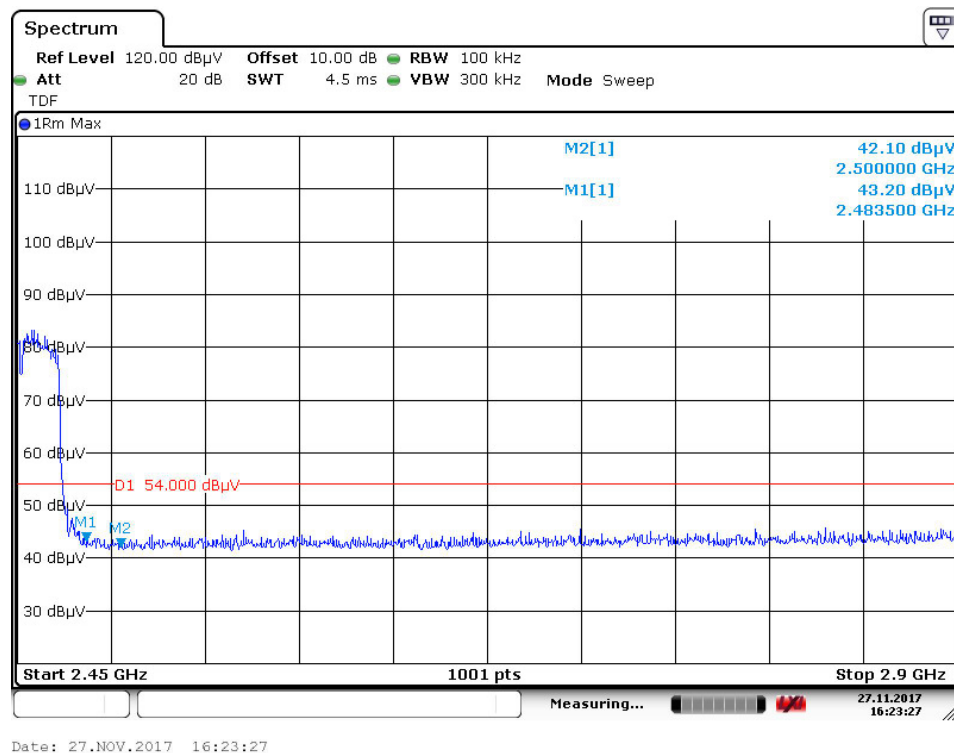
Radiated Bandedge HT40

High Channel (Hor) 2452



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver) 2452



Spurious Emissions, Band Edge, 2.35-2.5G

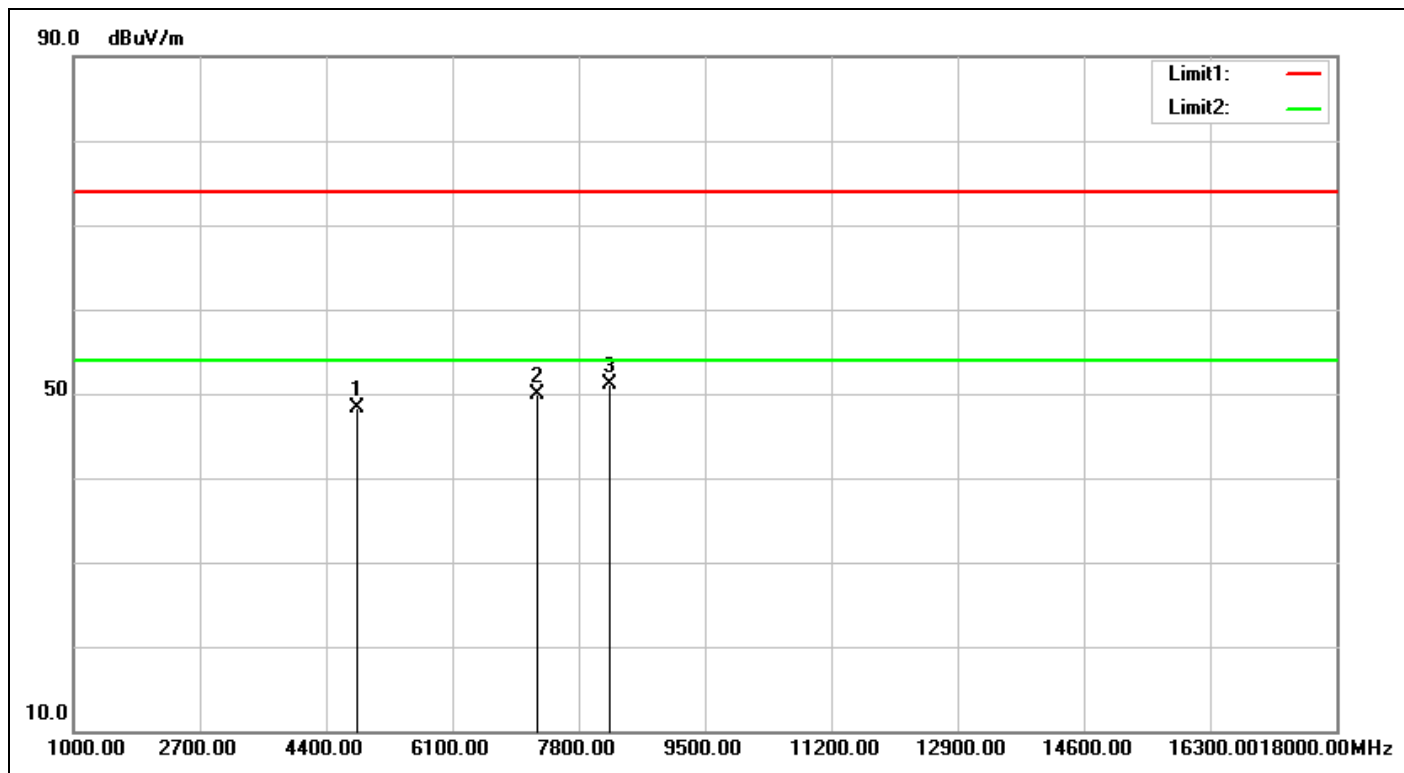
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

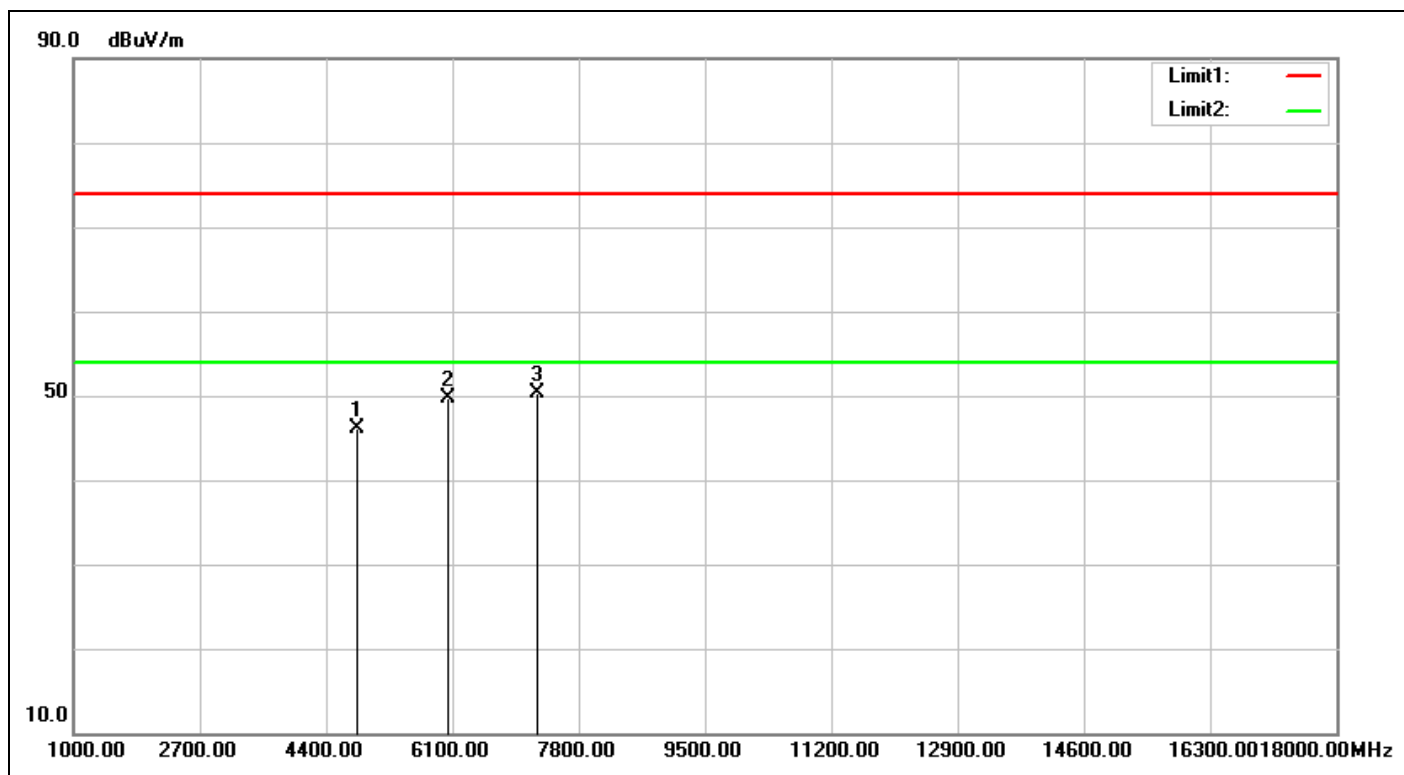
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



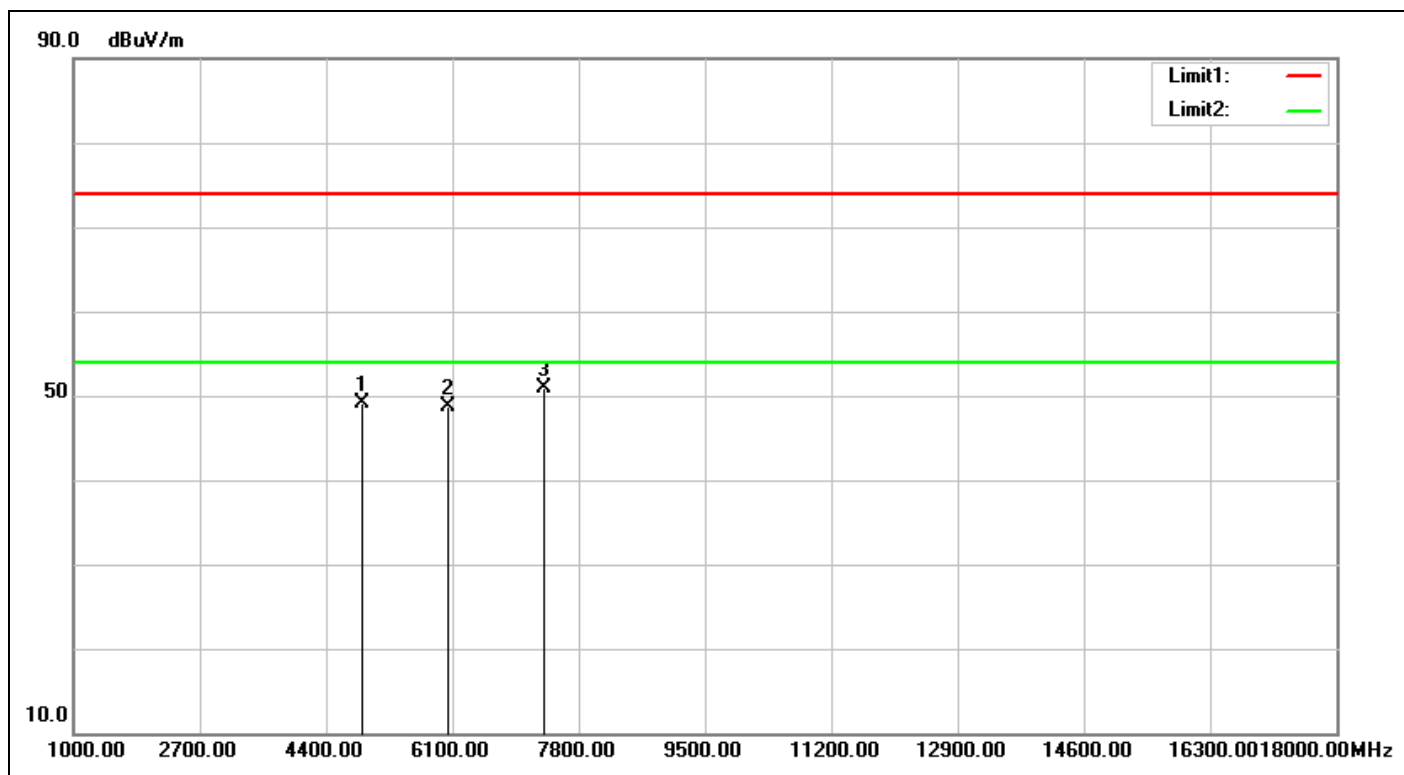
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 16:34:12
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	45.02	48.25	74.00	-25.75	peak	100	192	
2	7236.000	4.74	45.25	49.99	74.00	-24.01	peak	100	128	
3	8225.000	4.74	46.45	51.19	74.00	-22.81	peak	100	75	



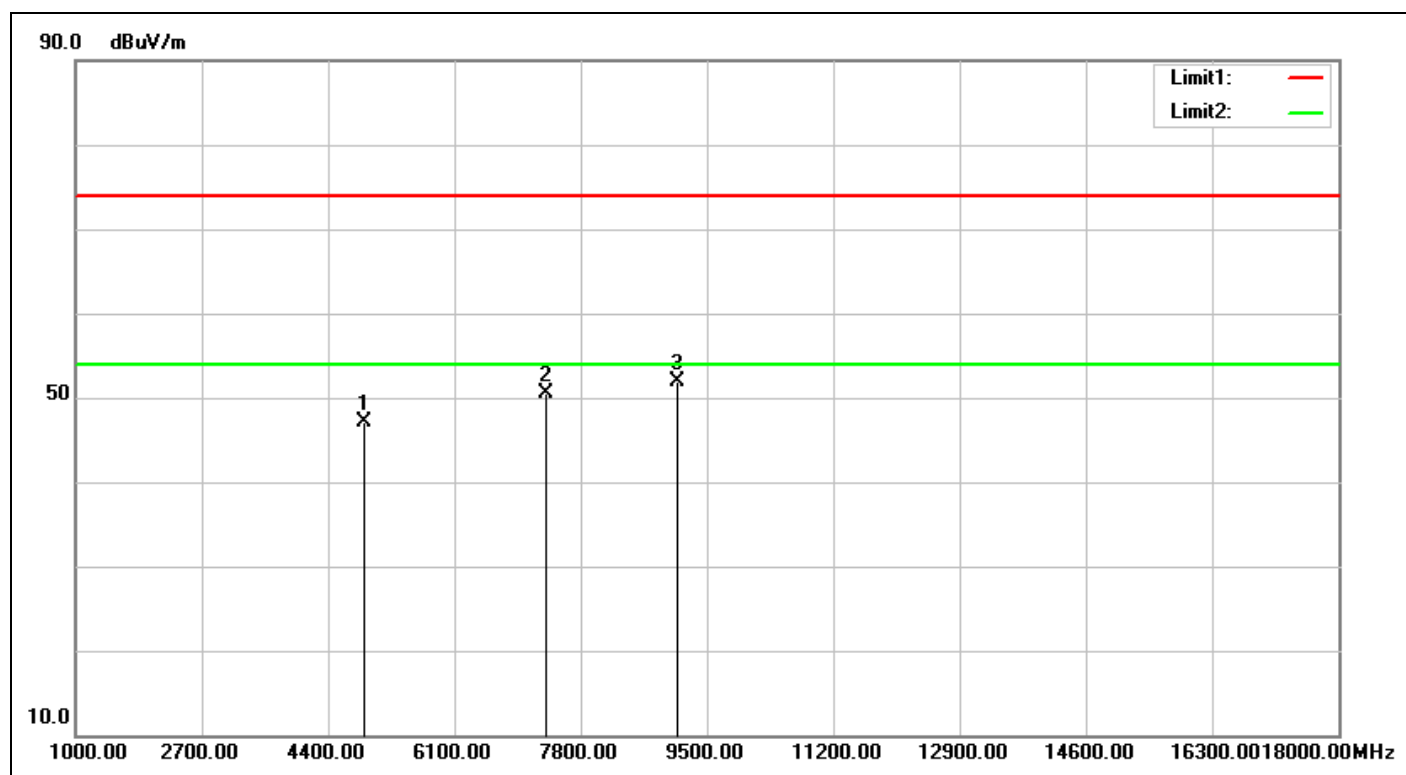
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 16:35:15
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	42.88	46.11	74.00	-27.89	peak	100	150	
2	6049.000	5.54	44.08	49.62	74.00	-24.38	peak	100	78	
3	7236.000	4.74	45.47	50.21	74.00	-23.79	peak	100	136	



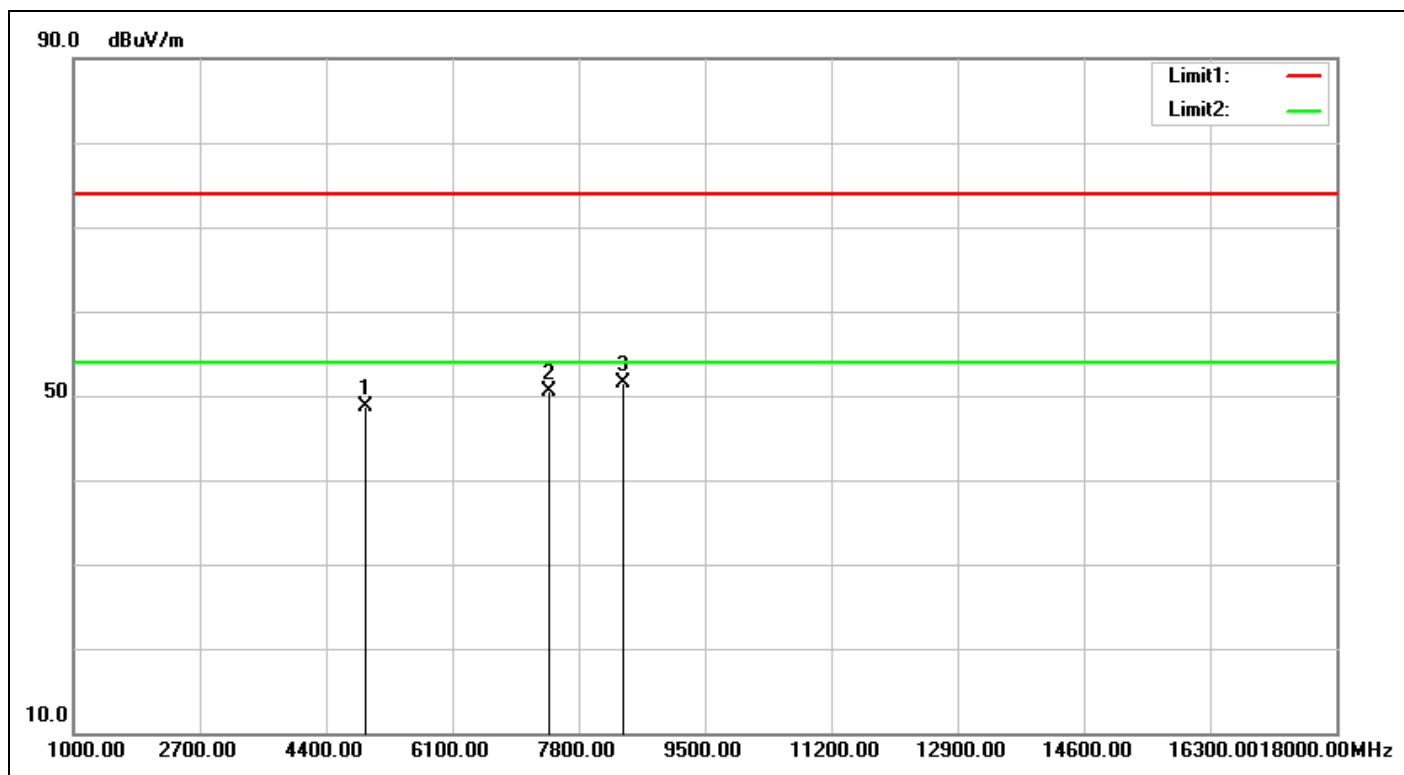
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 16:37:35
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	45.59	49.01	74.00	-24.99	peak	100	229	
2	6049.000	5.54	43.20	48.74	74.00	-25.26	peak	100	237	
3	7311.000	4.70	46.13	50.83	74.00	-23.17	peak	100	120	



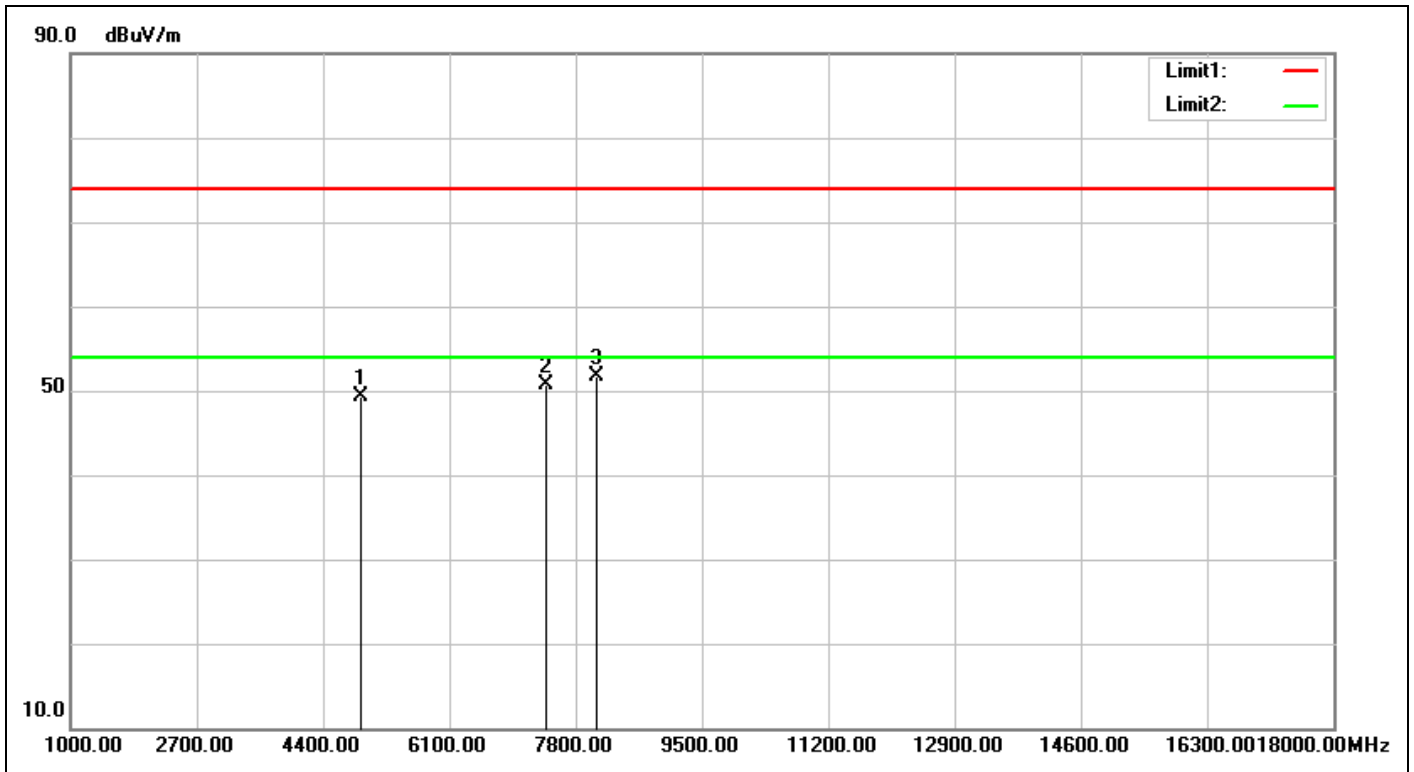
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 16:38:38
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	43.74	47.16	74.00	-26.84	peak	100	257	
2	7311.000	4.70	45.76	50.46	74.00	-23.54	peak	100	138	
3	9092.000	6.04	45.89	51.93	74.00	-22.07	peak	100	36	



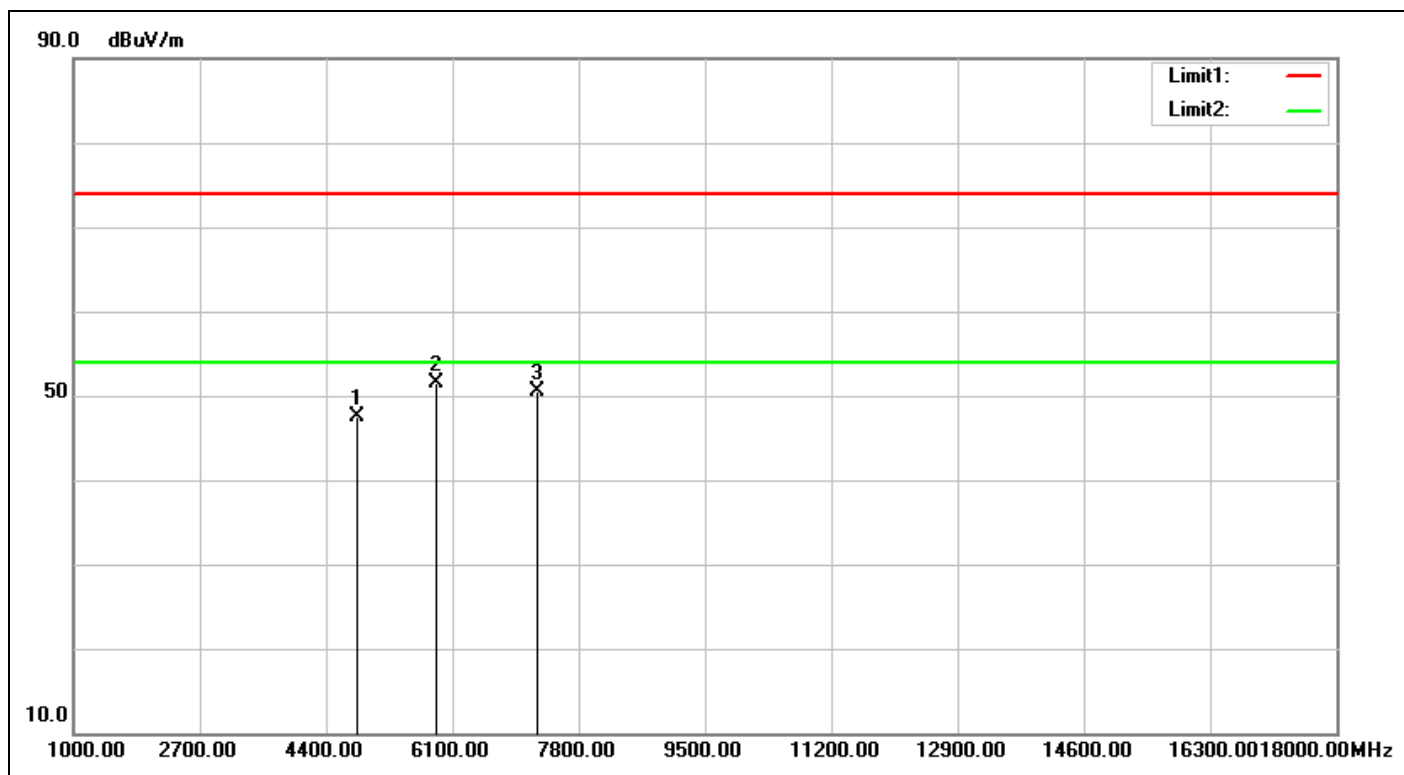
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Test item:	Radiation Emission	Test Time:	2017/11/27 16:43:57
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	45.00	48.62	74.00	-25.38	peak	100	210	
2	7386.000	4.65	45.82	50.47	74.00	-23.53	peak	100	223	
3	8395.000	4.77	46.74	51.51	74.00	-22.49	peak	100	77	



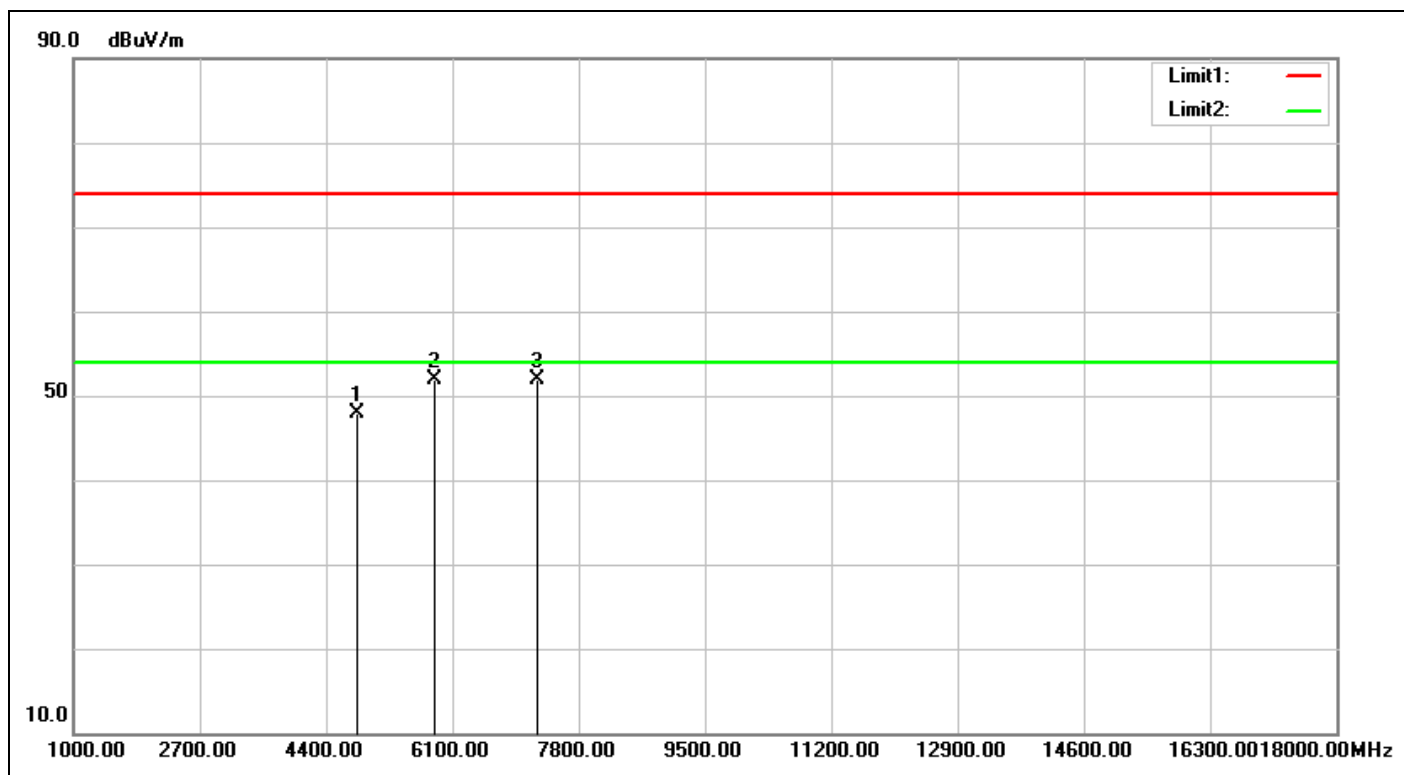
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Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	45.74	49.36	74.00	-24.64	peak	100	187	
2	7386.000	4.65	46.03	50.68	74.00	-23.32	peak	100	162	
3	8089.000	4.70	47.07	51.77	74.00	-22.23	peak	100	263	



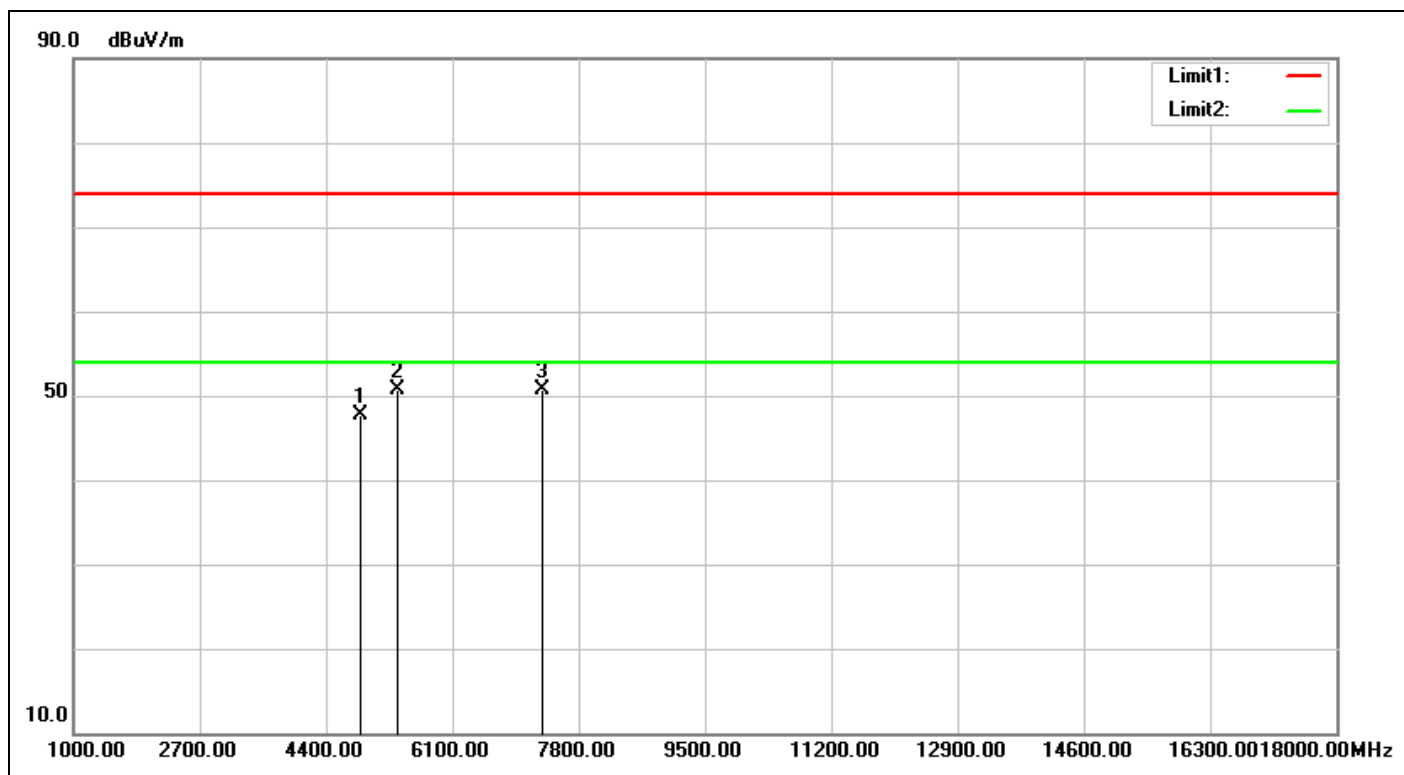
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Test item:	Radiation Emission	Test Time:	2017/11/27 16:47:57
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	44.34	47.57	74.00	-26.43	peak	100	109	
2	5879.000	5.27	46.20	51.47	74.00	-22.53	peak	100	360	
3	7236.000	4.74	45.71	50.45	74.00	-23.55	peak	100	247	



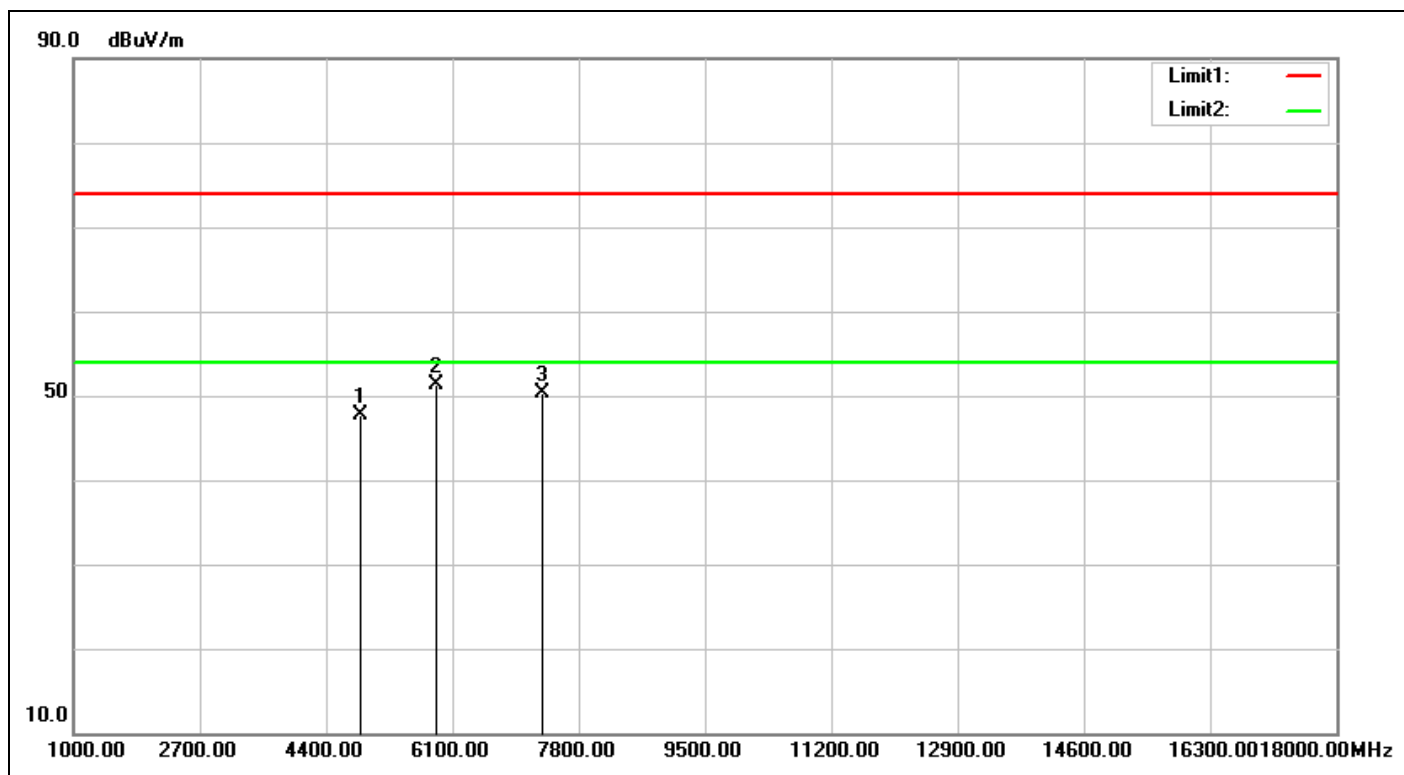
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 16:49:00
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	44.76	47.99	74.00	-26.01	peak	100	117	
2	5862.000	5.24	46.60	51.84	74.00	-22.16	peak	100	106	
3	7236.000	4.74	47.08	51.82	74.00	-22.18	peak	100	209	



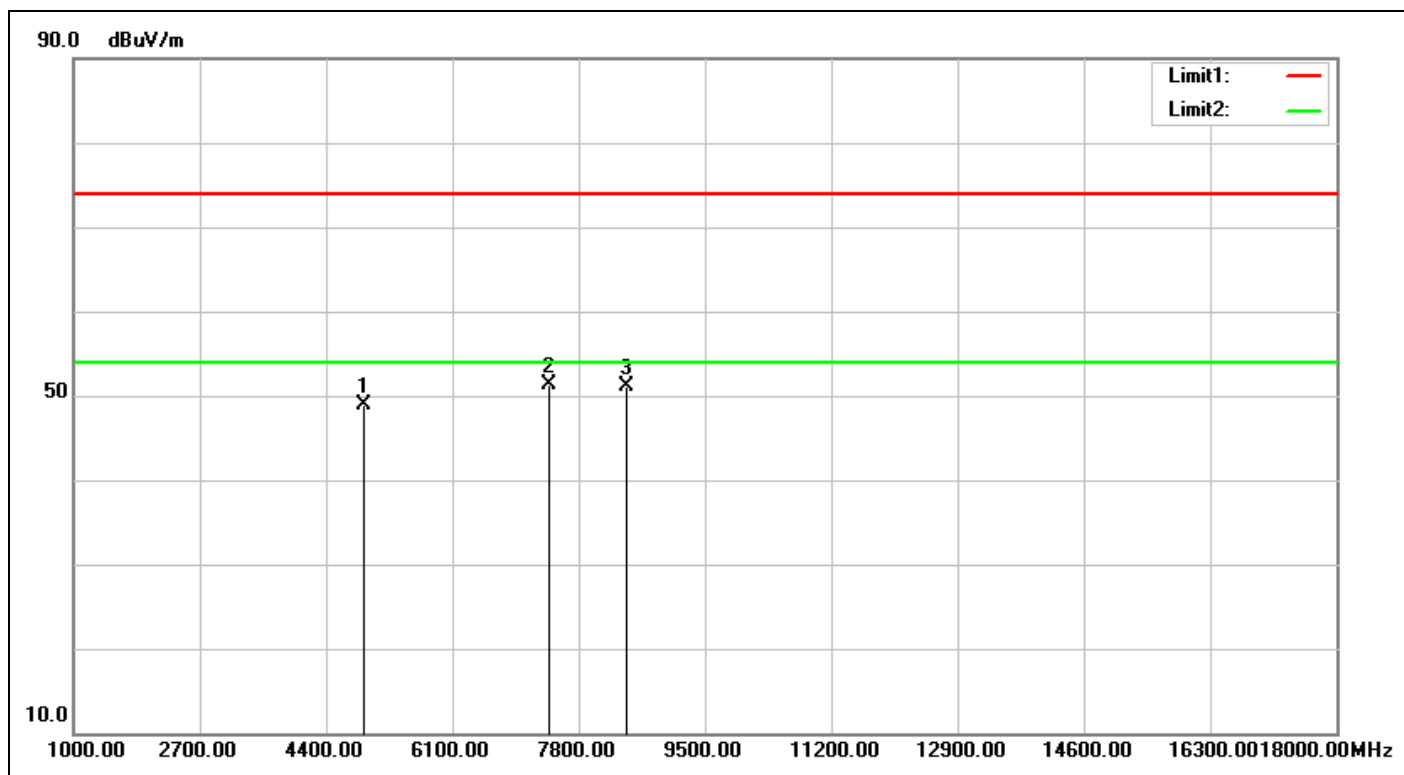
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 16:55:03
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	44.24	47.66	74.00	-26.34	peak	100	147	
2	5369.000	4.34	46.30	50.64	74.00	-23.36	peak	100	165	
3	7311.000	4.70	45.94	50.64	74.00	-23.36	peak	100	128	



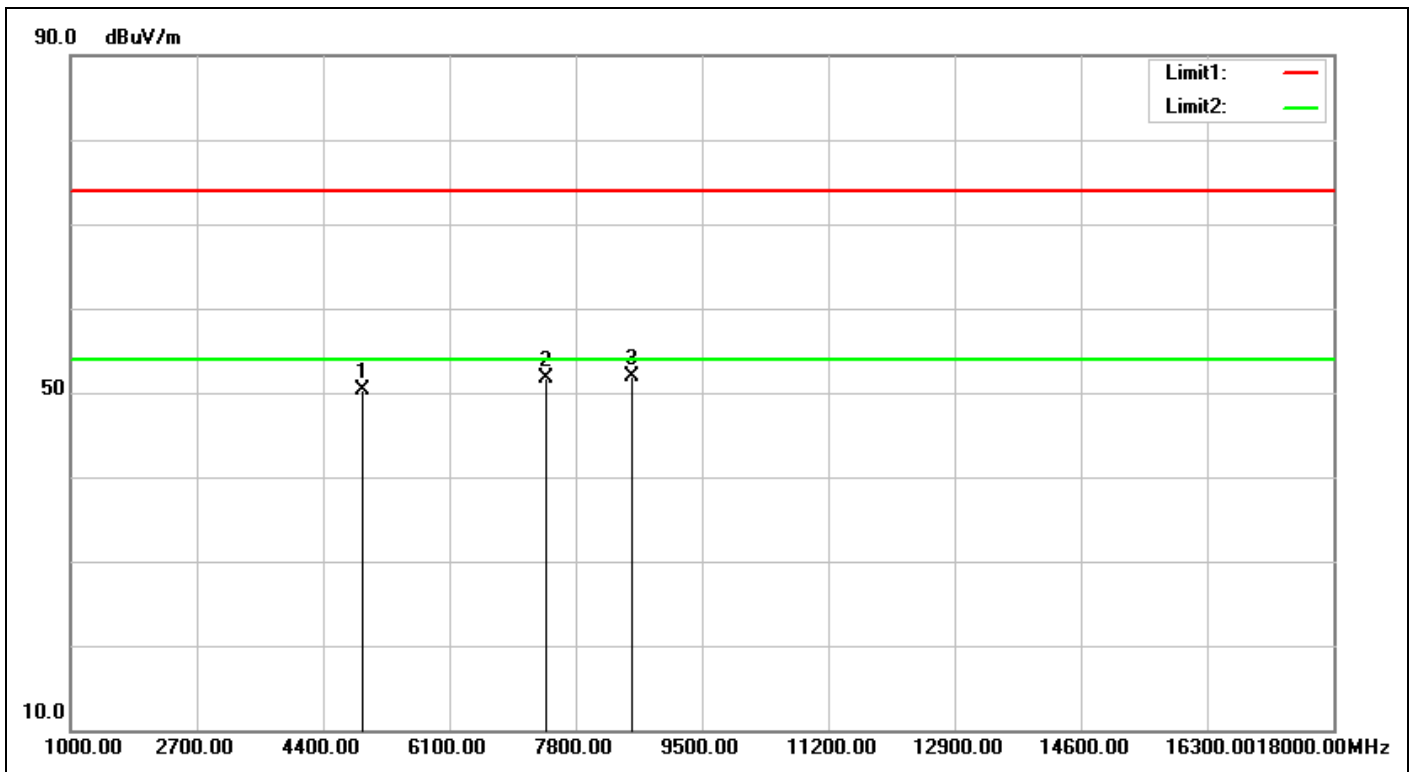
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Test item:	Radiation Emission	Test Time:	2017/11/27 16:56:05
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	44.21	47.63	74.00	-26.37	peak	100	258	
2	5879.000	5.27	46.11	51.38	74.00	-22.62	peak	100	330	
3	7311.000	4.70	45.55	50.25	74.00	-23.75	peak	100	139	



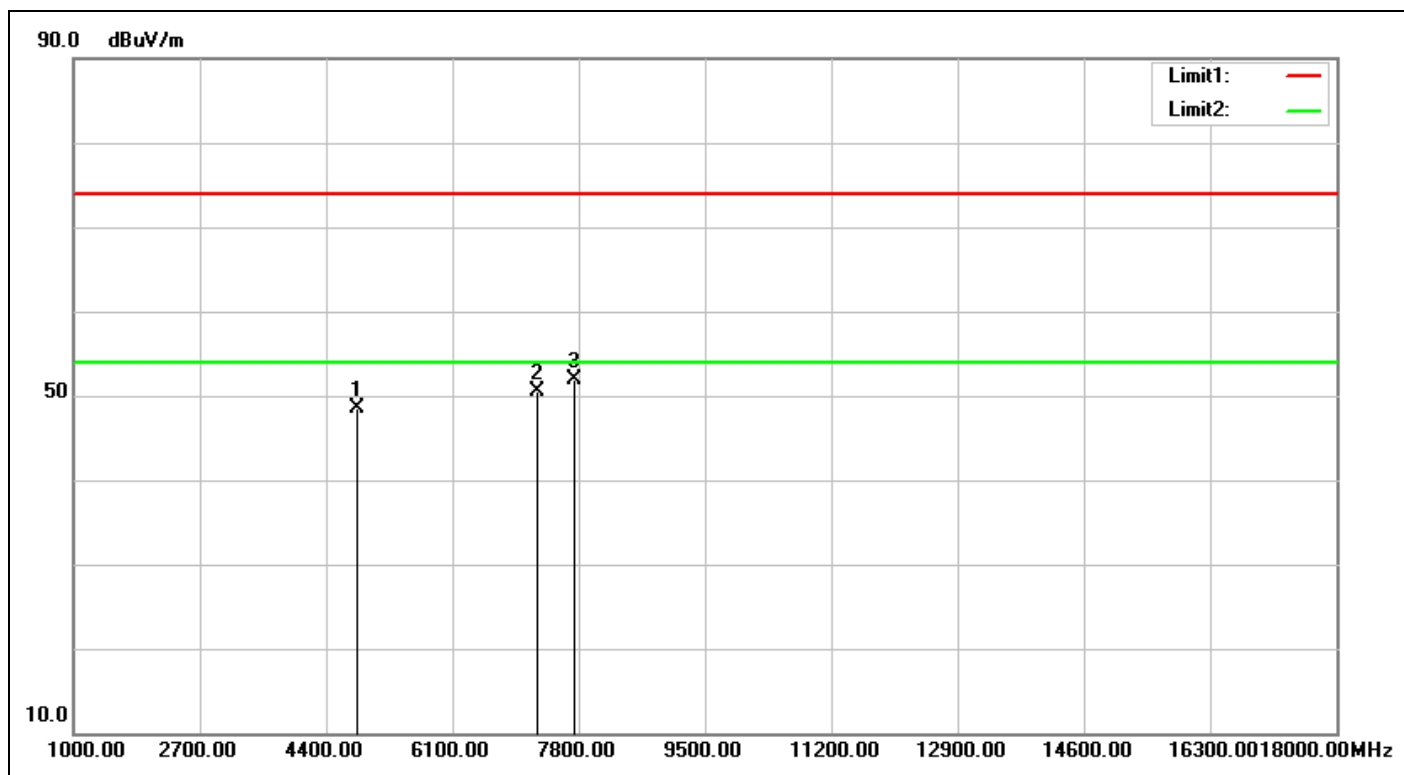
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Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	45.19	48.81	74.00	-25.19	peak	100	203	
2	7386.000	4.65	46.70	51.35	74.00	-22.65	peak	100	138	
3	8446.000	4.78	46.27	51.05	74.00	-22.95	peak	100	291	



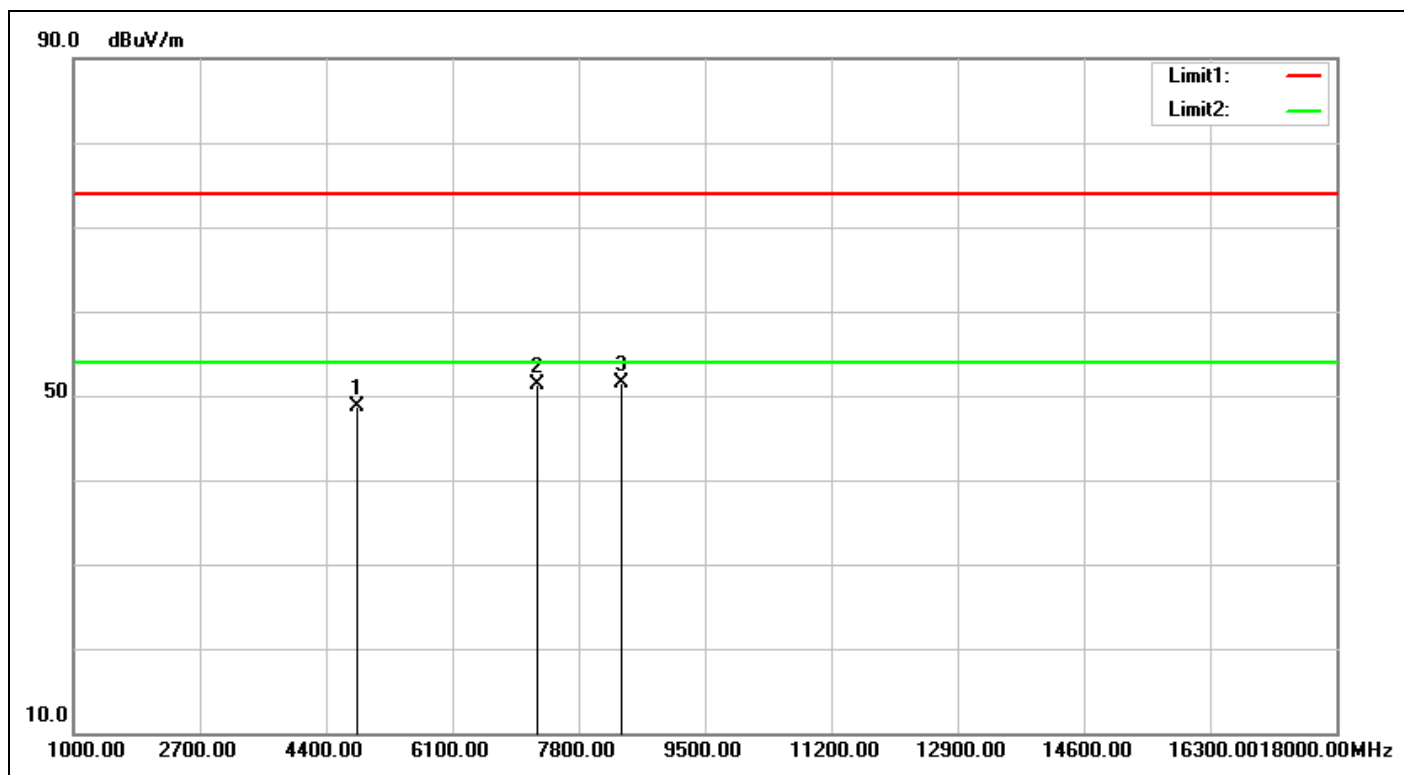
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Test item:	Radiation Emission	Test Time:	2017/11/27 17:05:43
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	46.64	50.26	74.00	-23.74	peak	100	226	
2	7386.000	4.65	46.97	51.62	74.00	-22.38	peak	100	128	
3	8565.000	4.94	46.93	51.87	74.00	-22.13	peak	100	354	



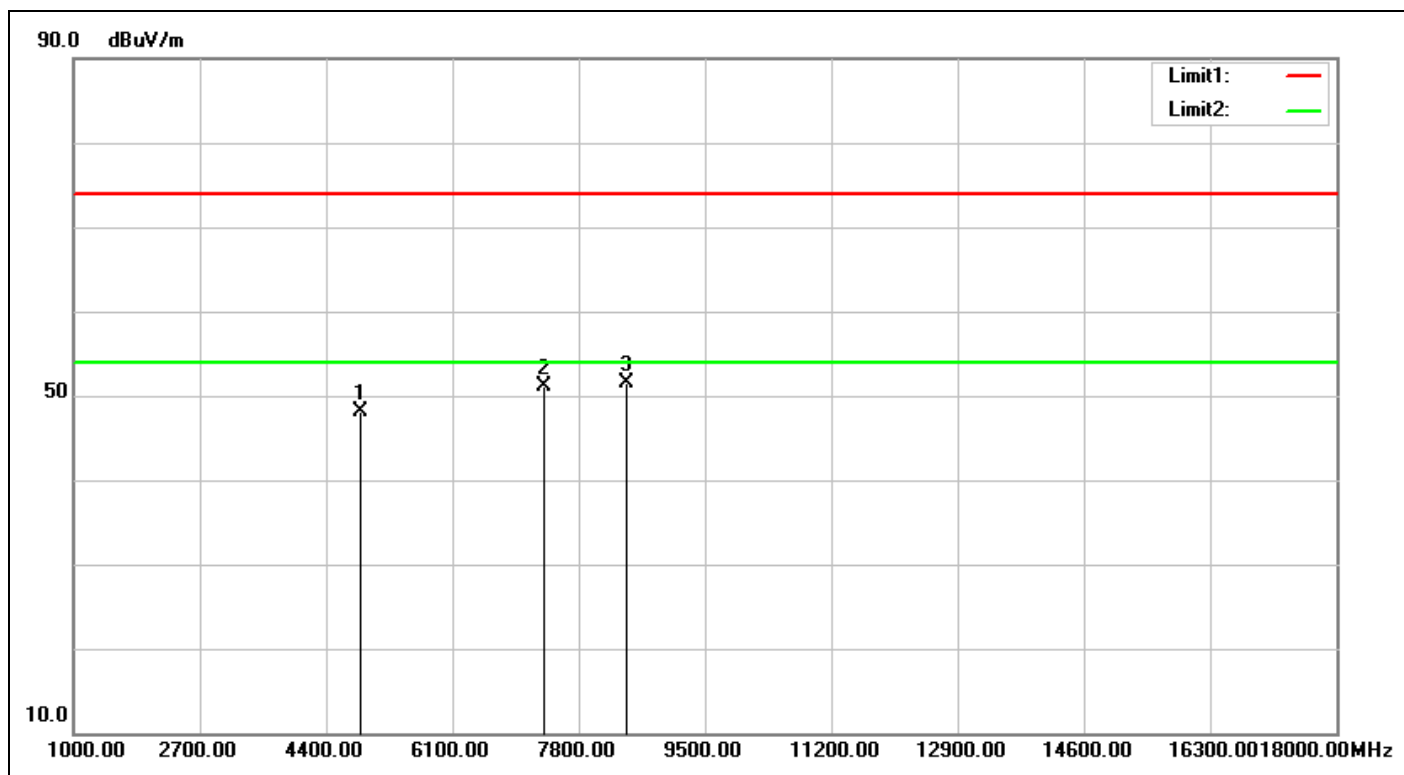
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:08:26
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	45.24	48.47	74.00	-25.53	peak	100	241	
2	7236.000	4.74	45.67	50.41	74.00	-23.59	peak	100	133	
3	7732.000	4.63	47.29	51.92	74.00	-22.08	peak	100	26	



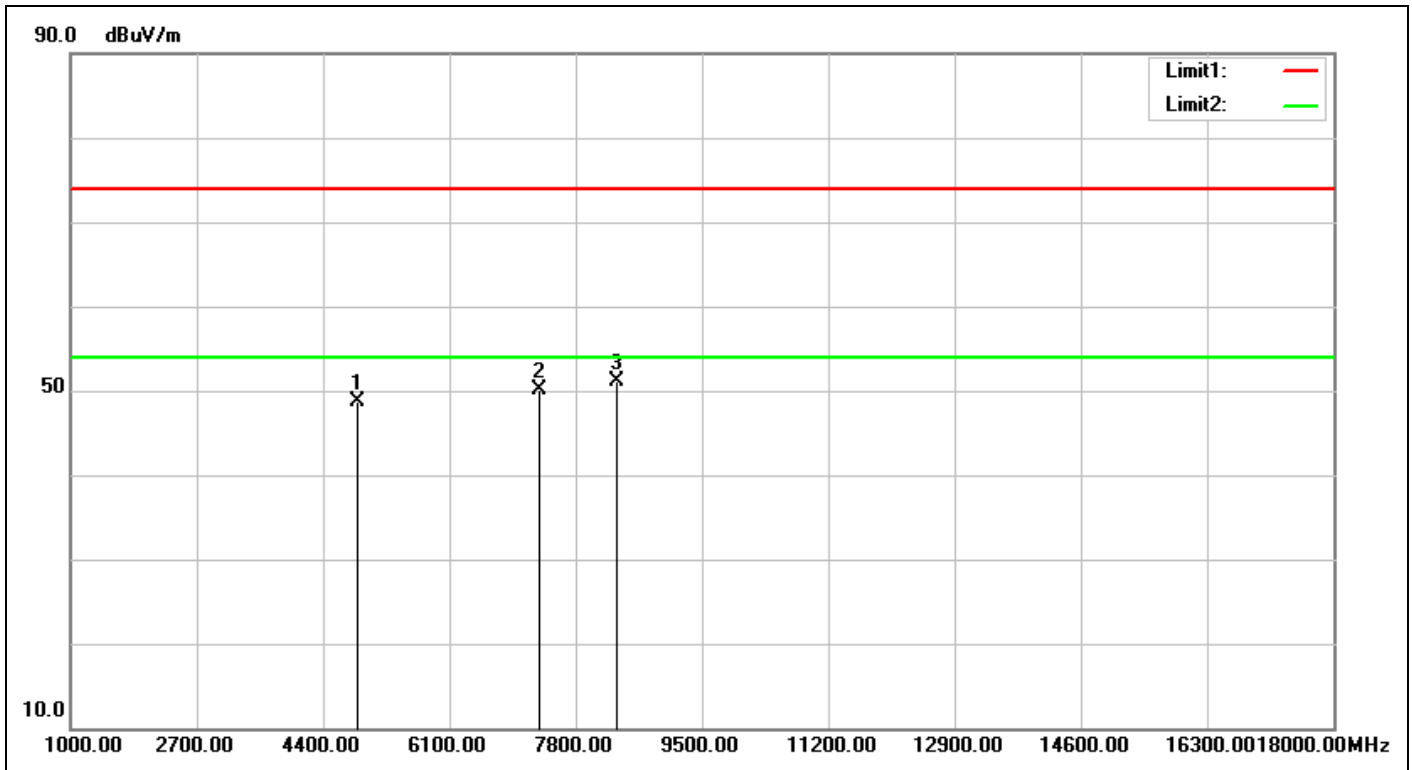
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:09:28
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	3.23	45.53	48.76	74.00	-25.24	peak	100	265	
2	7236.000	4.74	46.53	51.27	74.00	-22.73	peak	100	134	
3	8378.000	4.76	46.81	51.57	74.00	-22.43	peak	100	33	



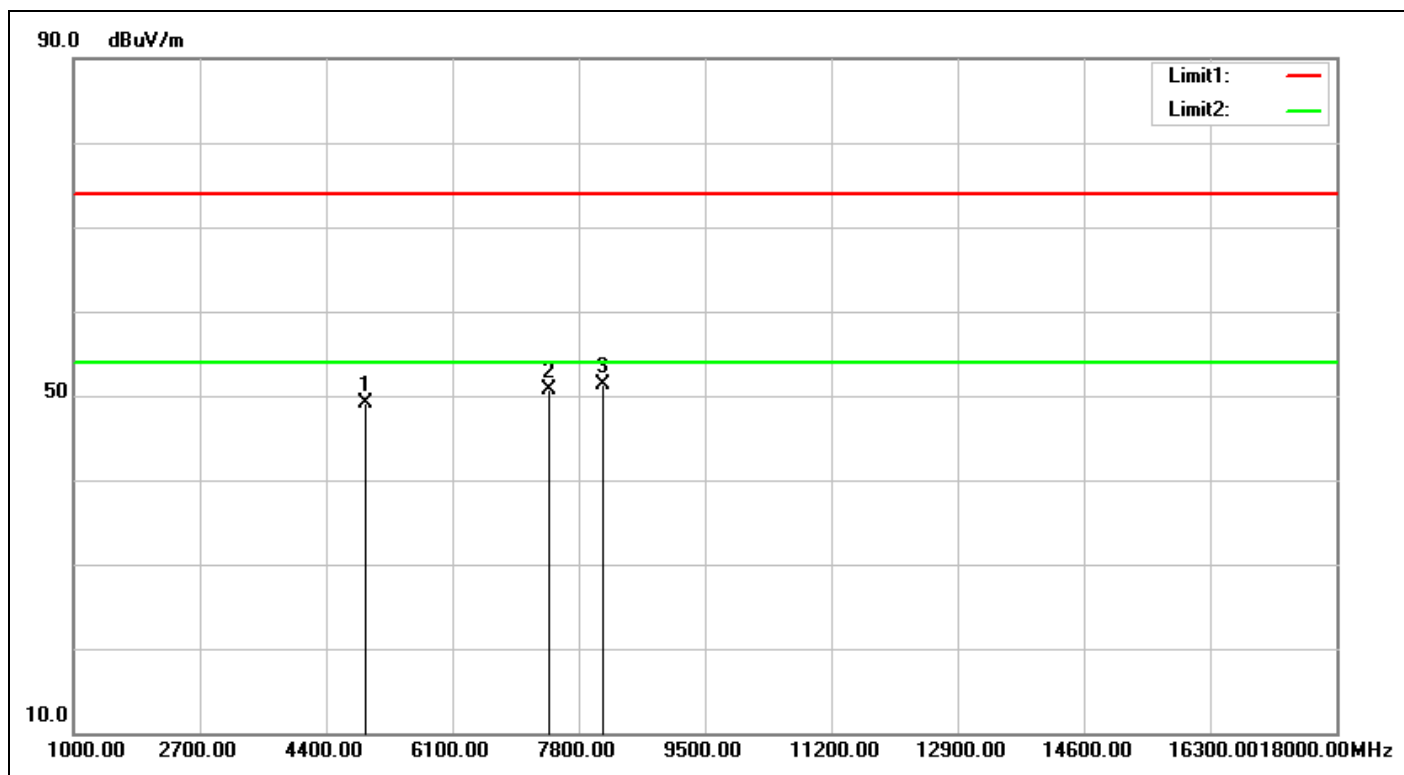
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:13:12
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	44.61	48.03	74.00	-25.97	peak	100	314	
2	7311.000	4.70	46.37	51.07	74.00	-22.93	peak	100	259	
3	8446.000	4.78	46.69	51.47	74.00	-22.53	peak	100	227	



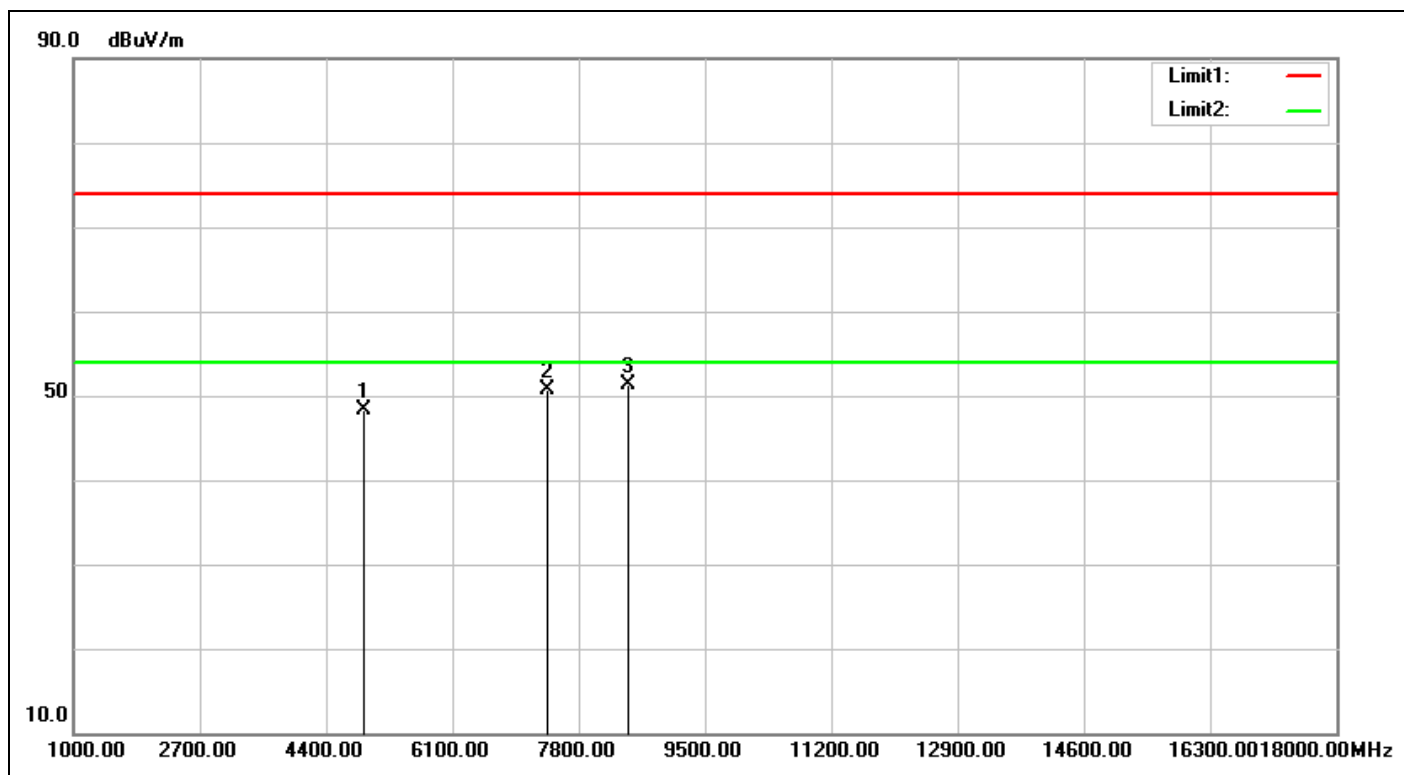
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:14:14
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	45.28	48.70	74.00	-25.30	peak	100	328	
2	7311.000	4.70	45.37	50.07	74.00	-23.93	peak	100	130	
3	8361.000	4.77	46.26	51.03	74.00	-22.97	peak	100	360	



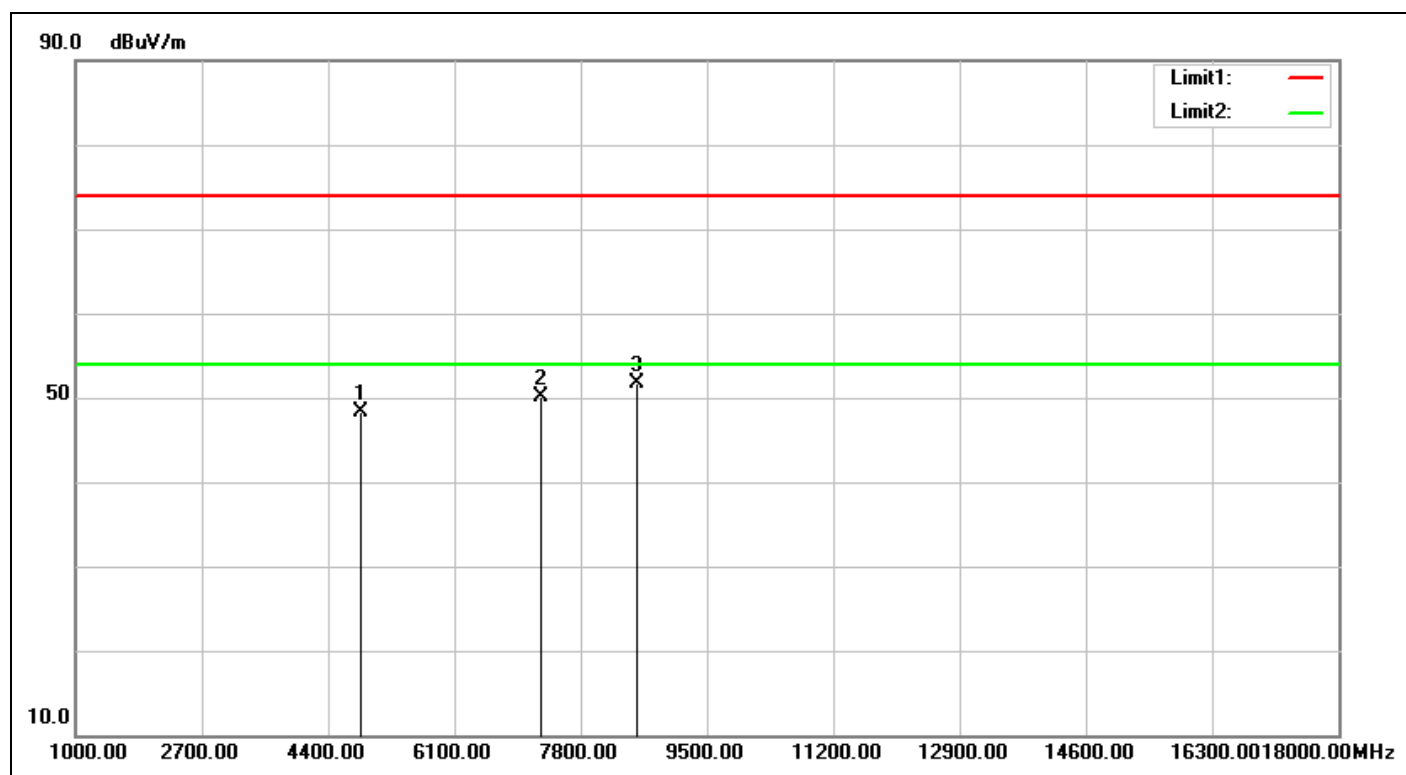
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:16:48
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	45.44	49.06	74.00	-24.94	peak	100	238	
2	7386.000	4.65	46.02	50.67	74.00	-23.33	peak	100	191	
3	8123.000	4.72	46.56	51.28	74.00	-22.72	peak	100	241	



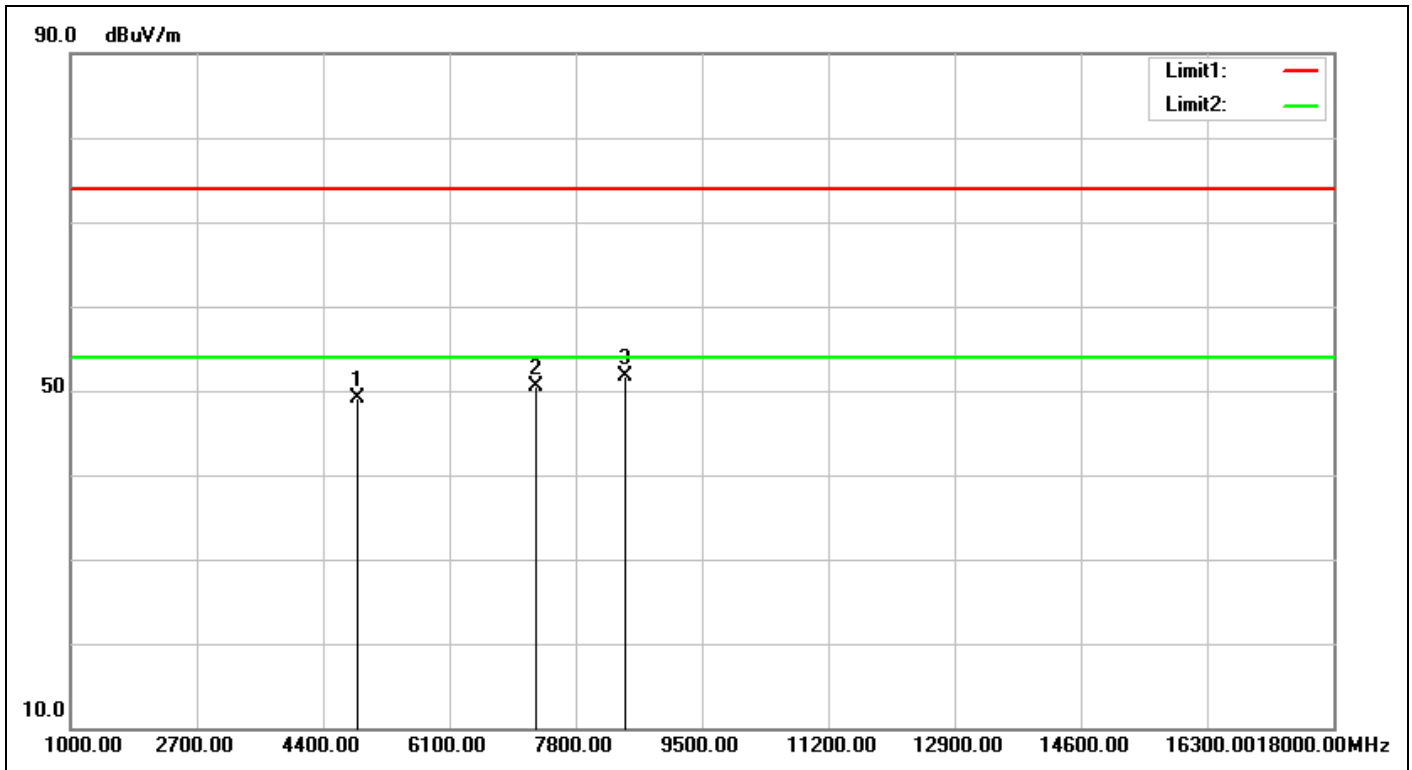
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:17:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	3.62	44.71	48.33	74.00	-25.67	peak	100	118	
2	7386.000	4.65	46.12	50.77	74.00	-23.23	peak	100	251	
3	8463.000	4.79	46.52	51.31	74.00	-22.69	peak	100	271	



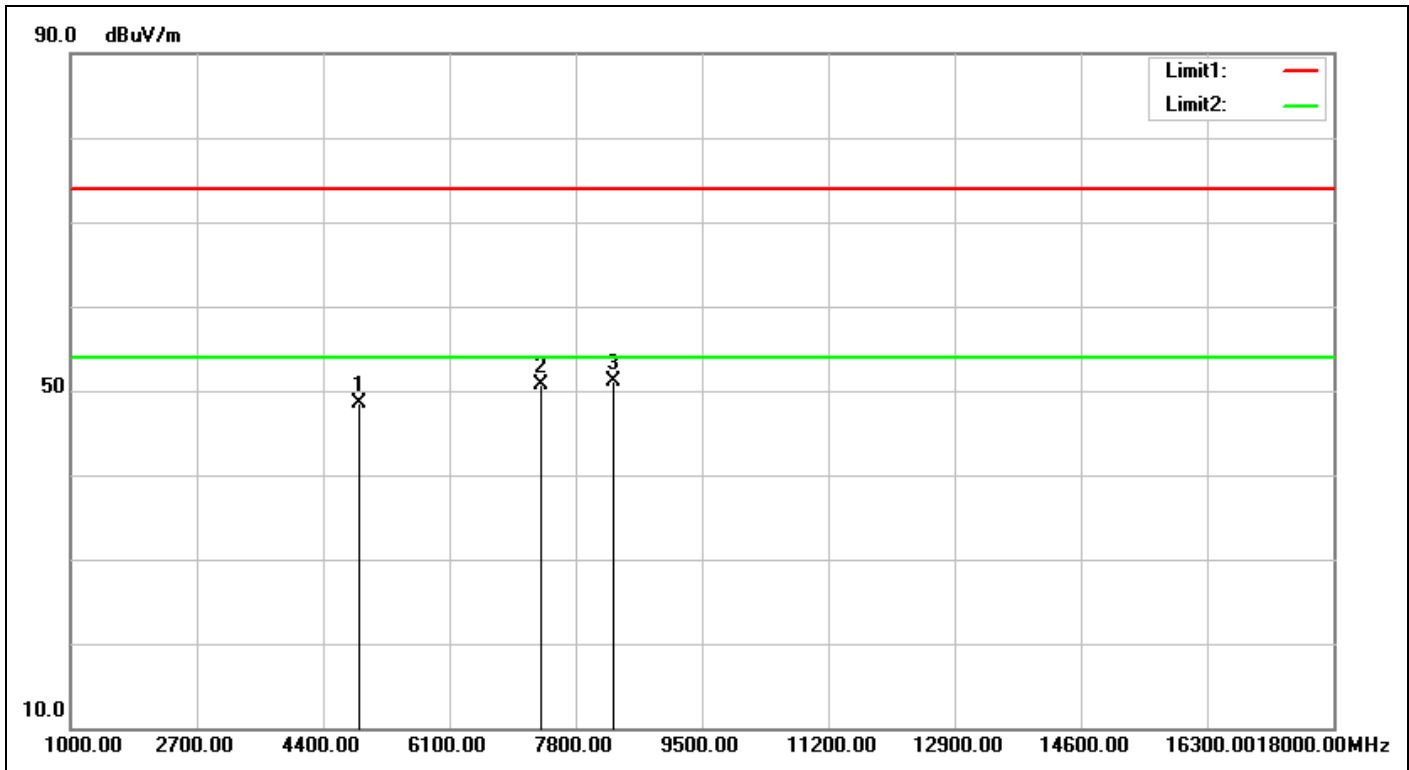
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:20:47
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2422-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4844.000	3.30	45.03	48.33	74.00	-25.67	peak	100	174	
2	7266.000	4.72	45.34	50.06	74.00	-23.94	peak	100	136	
3	8565.000	4.94	46.86	51.80	74.00	-22.20	peak	100	252	



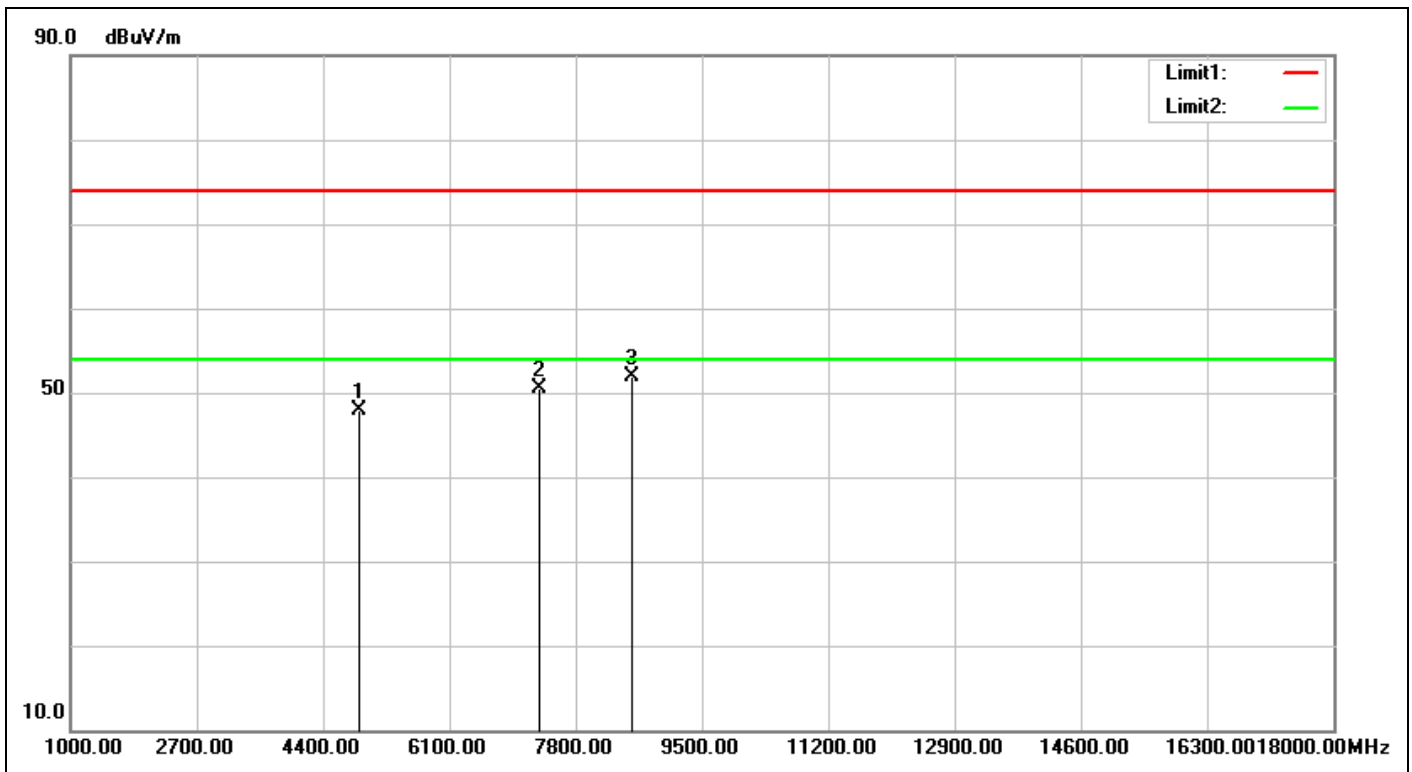
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:21:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2422-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4844.000	3.30	45.87	49.17	74.00	-24.83	peak	100	189	
2	7266.000	4.72	45.78	50.50	74.00	-23.50	peak	100	128	
3	8463.000	4.79	46.94	51.73	74.00	-22.27	peak	100	19	



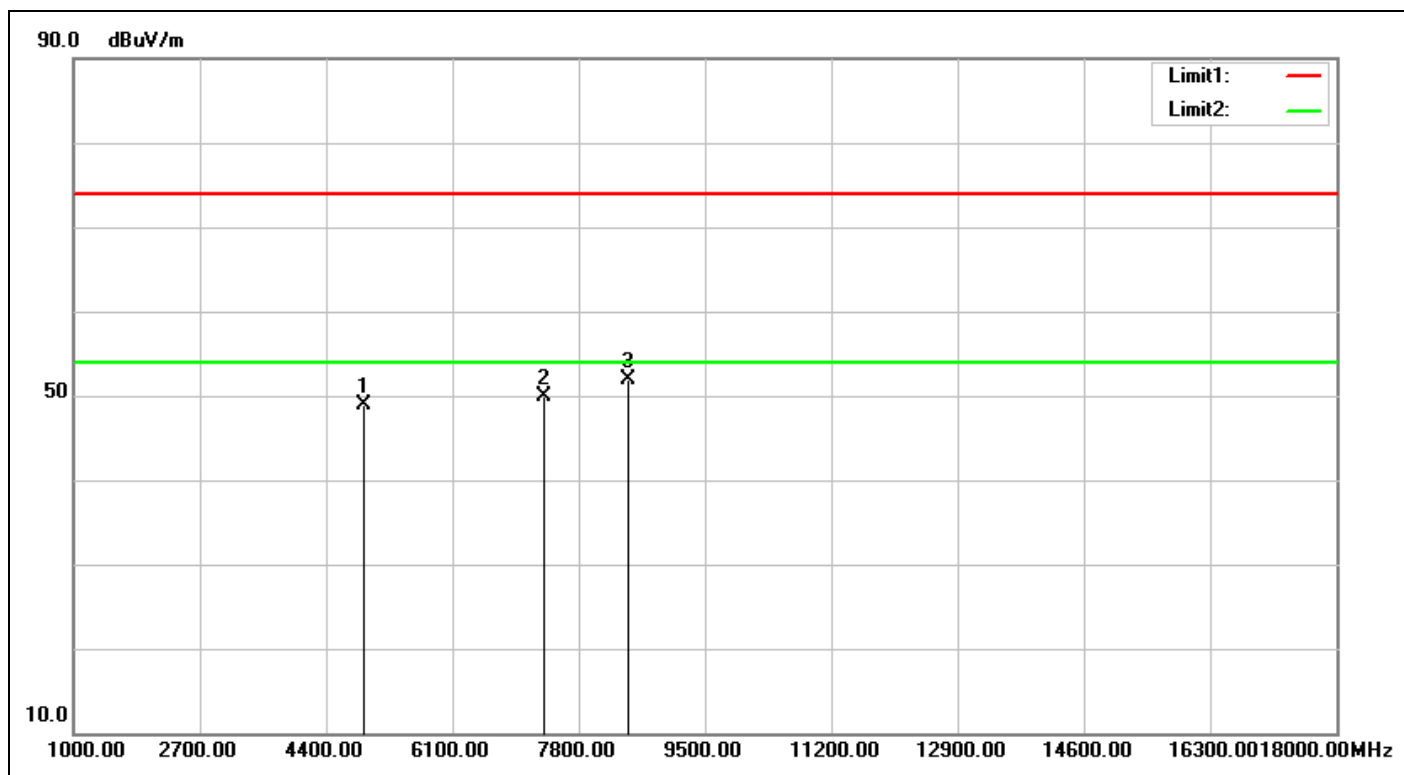
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:24:22
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	44.99	48.41	74.00	-25.59	peak	100	198	
2	7311.000	4.70	45.97	50.67	74.00	-23.33	peak	100	225	
3	8310.000	4.76	46.30	51.06	74.00	-22.94	peak	100	338	



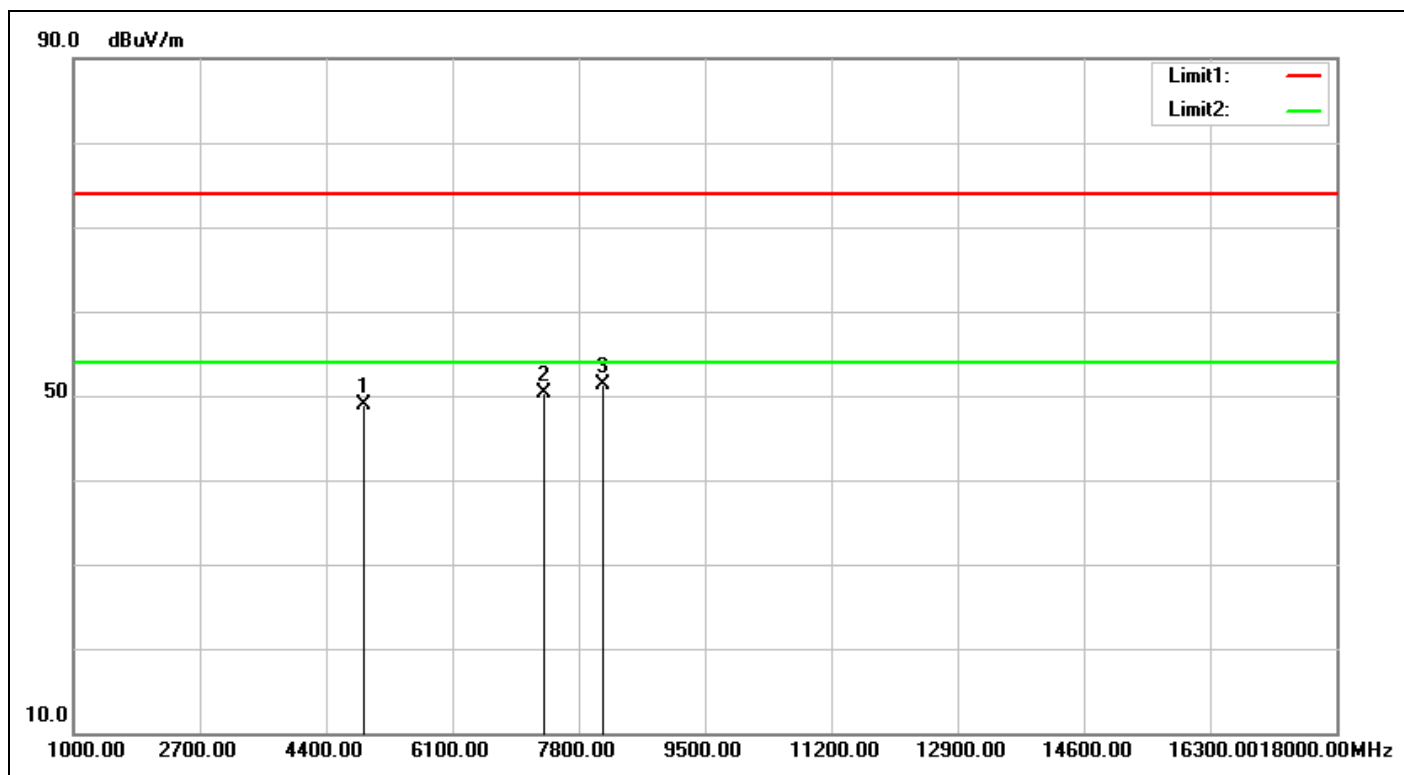
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:25:25
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	3.42	44.48	47.90	74.00	-26.10	peak	100	61	
2	7311.000	4.70	45.76	50.46	74.00	-23.54	peak	100	138	
3	8565.000	4.94	46.93	51.87	74.00	-22.13	peak	100	22	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:27:47
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2452-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4904.000	3.54	45.33	48.87	74.00	-25.13	peak	100	220	
2	7356.000	4.67	45.14	49.81	74.00	-24.19	peak	100	135	
3	8463.000	4.79	47.07	51.86	74.00	-22.14	peak	100	81	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:28:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2452-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4904.000	3.54	45.40	48.94	74.00	-25.06	peak	100	196	
2	7356.000	4.67	45.59	50.26	74.00	-23.74	peak	100	140	
3	8123.000	4.72	46.66	51.38	74.00	-22.62	peak	100	315	

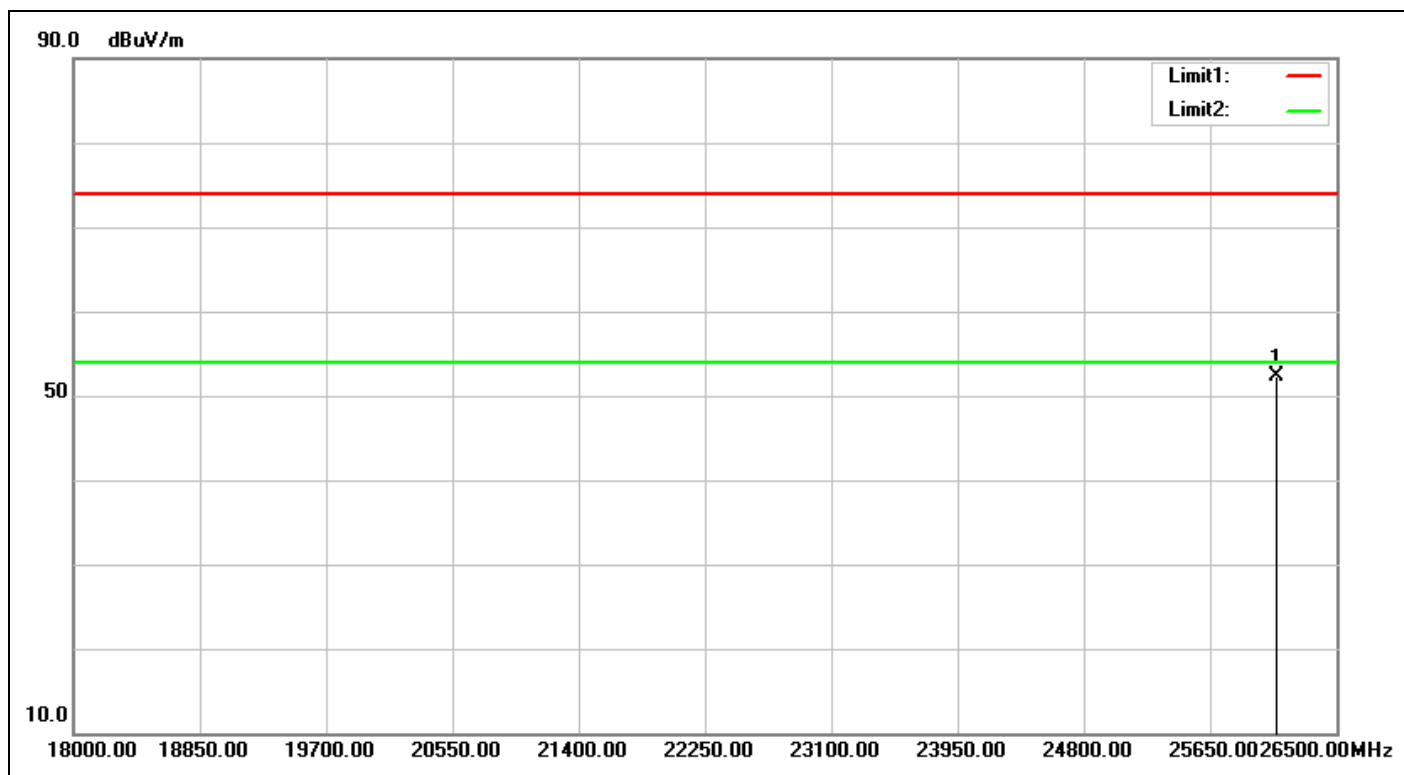
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

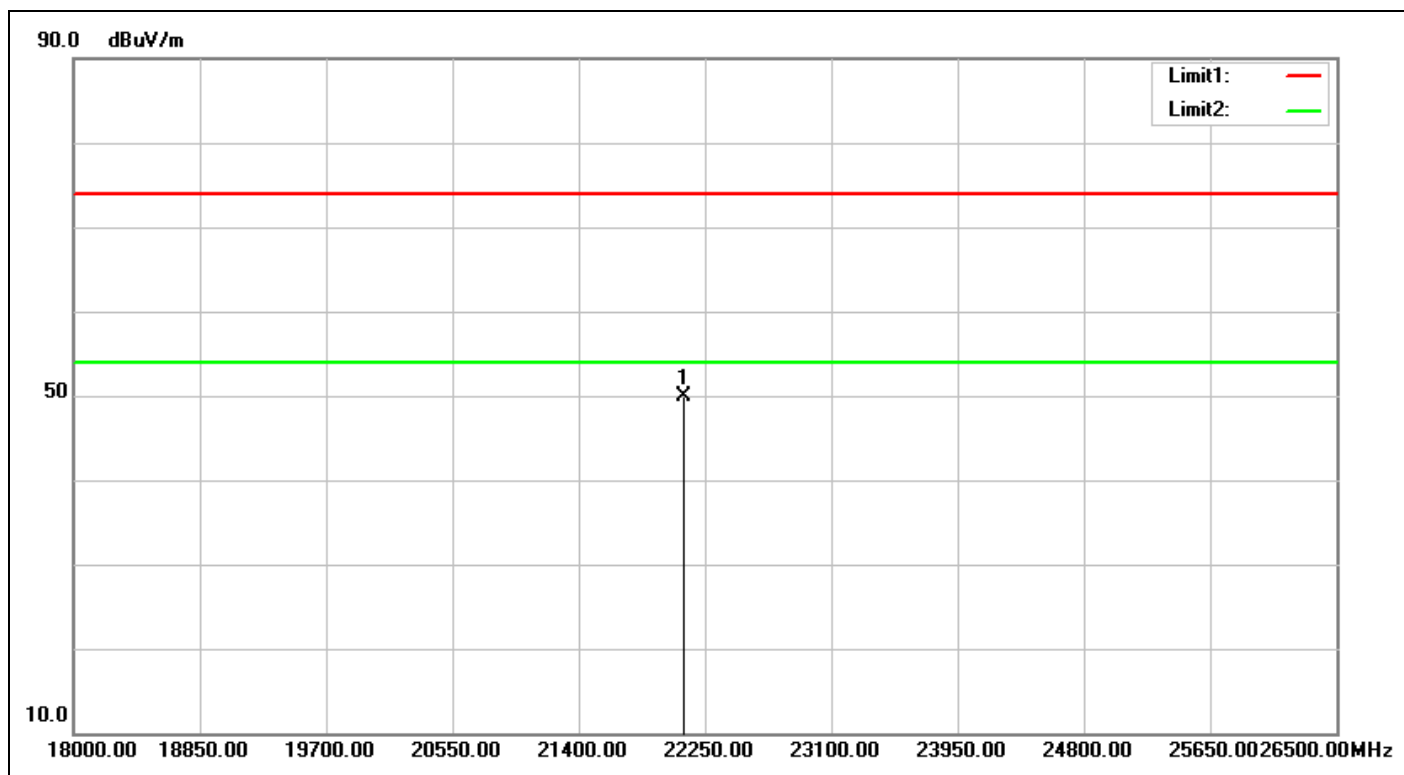
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



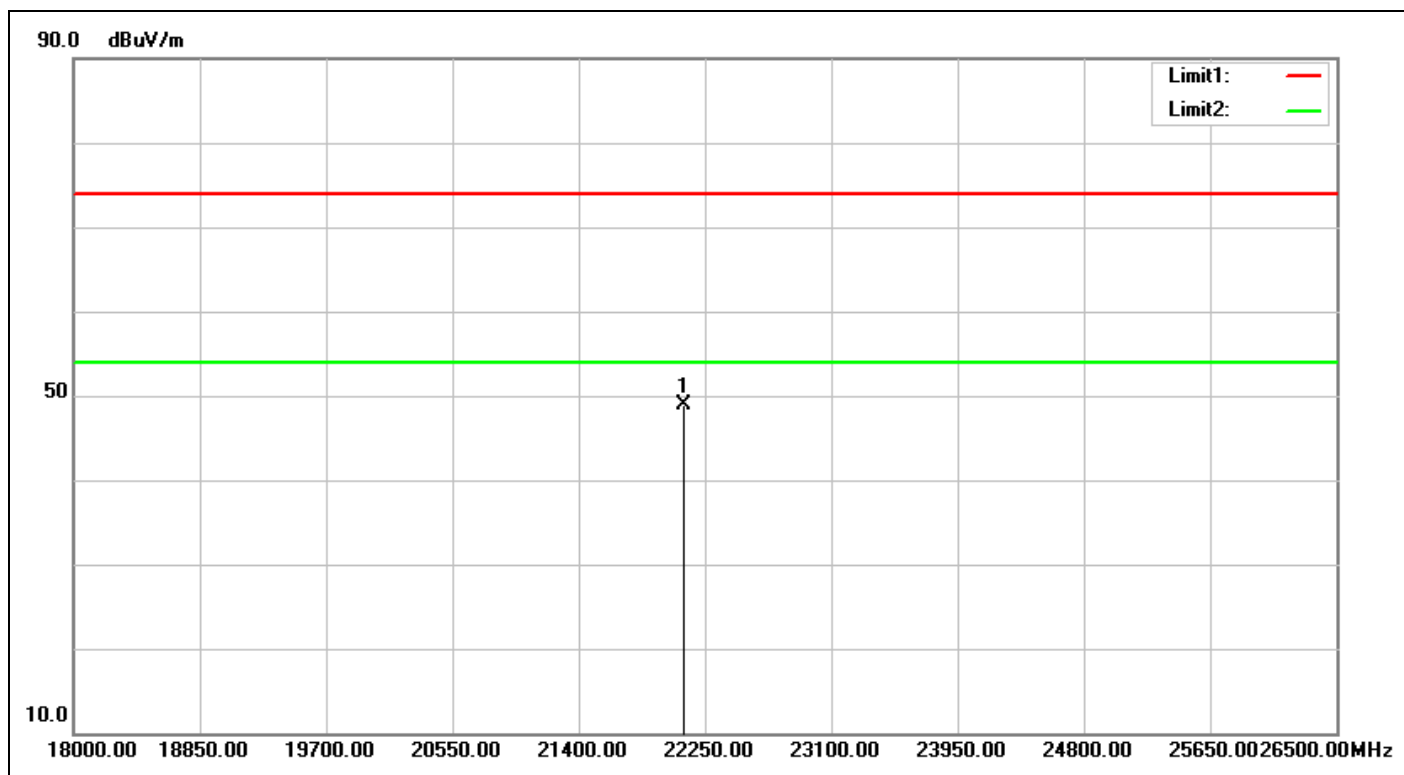
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:29:27
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	26100.500	34.93	16.28	51.21	74.00	-22.79	peak	100	178	



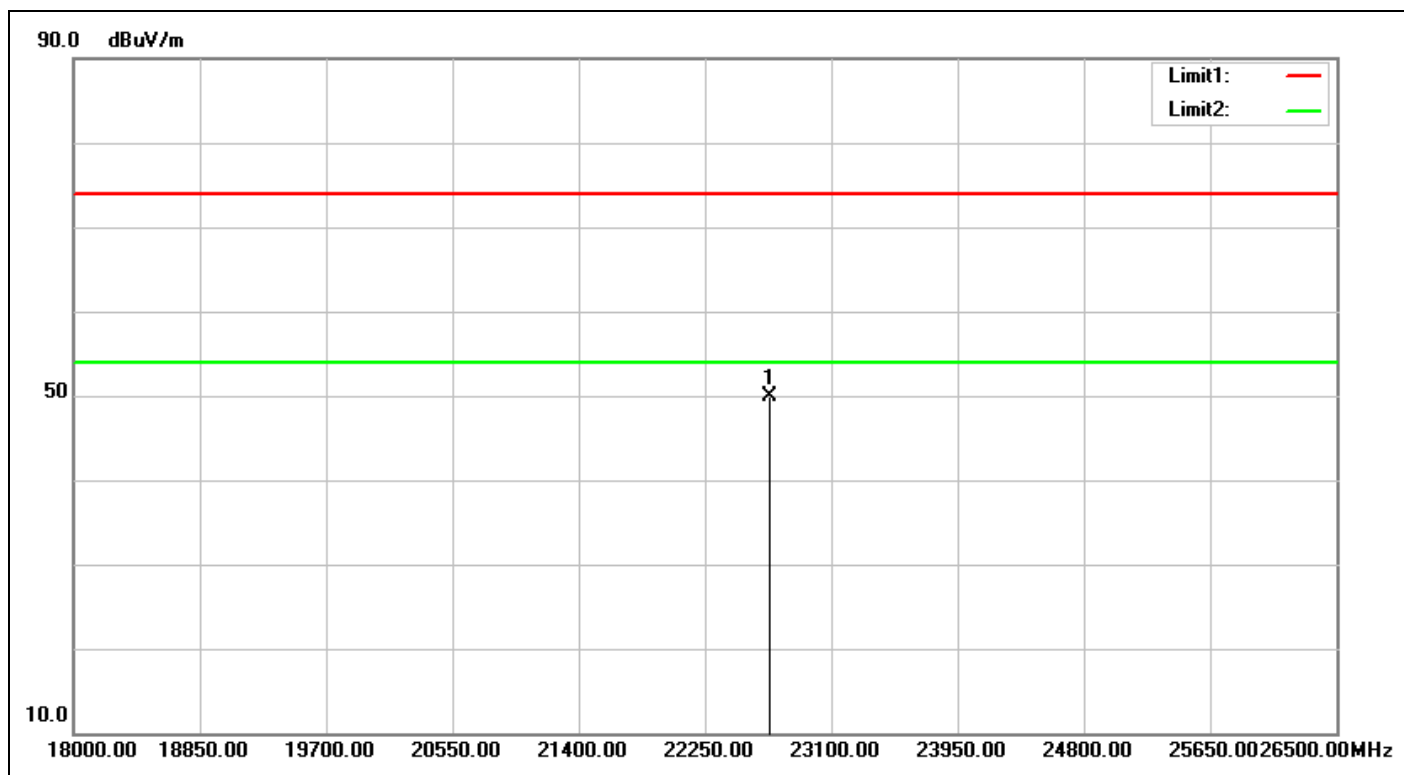
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:29:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22105.500	32.51	17.41	49.92	74.00	-24.08	peak	100	136	



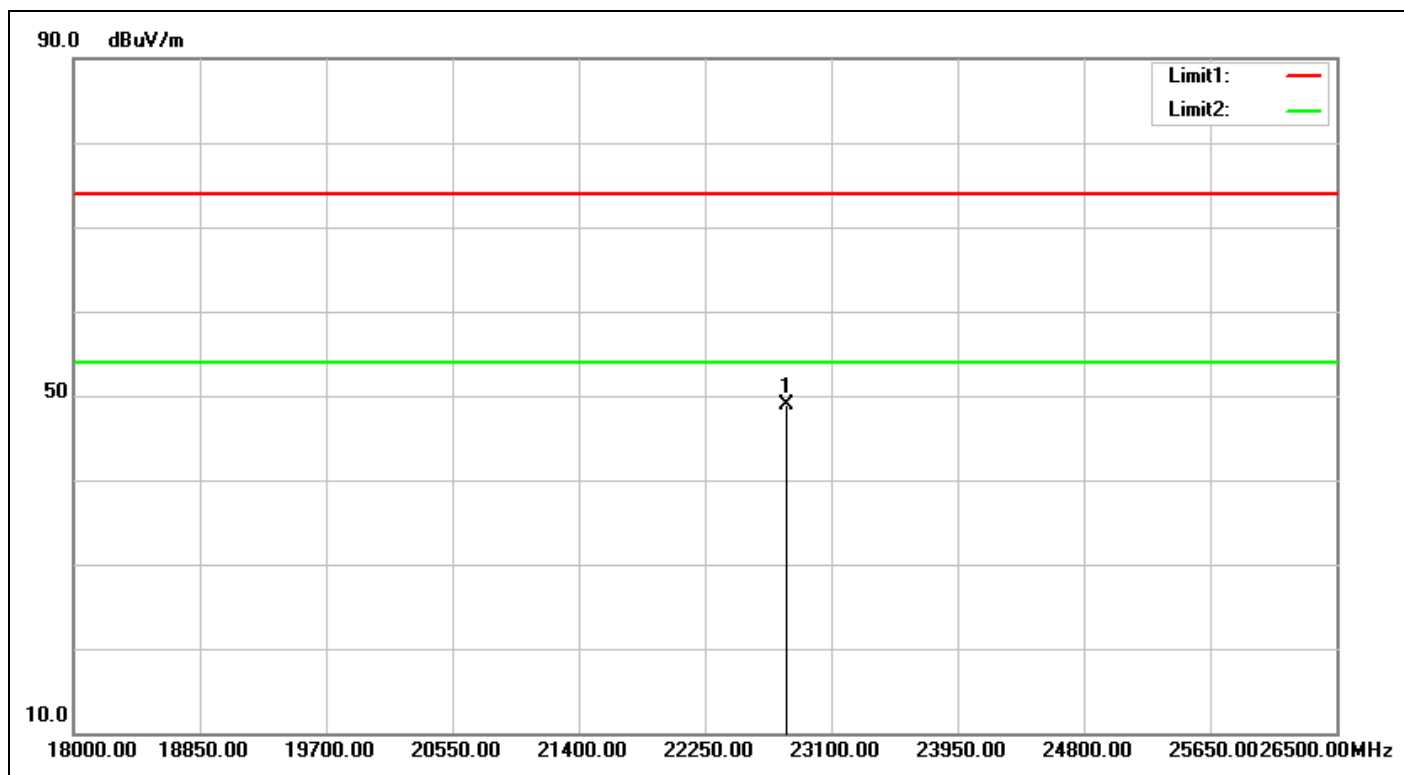
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:30:11
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22105.500	32.51	16.39	48.90	74.00	-25.10	peak	100	164	



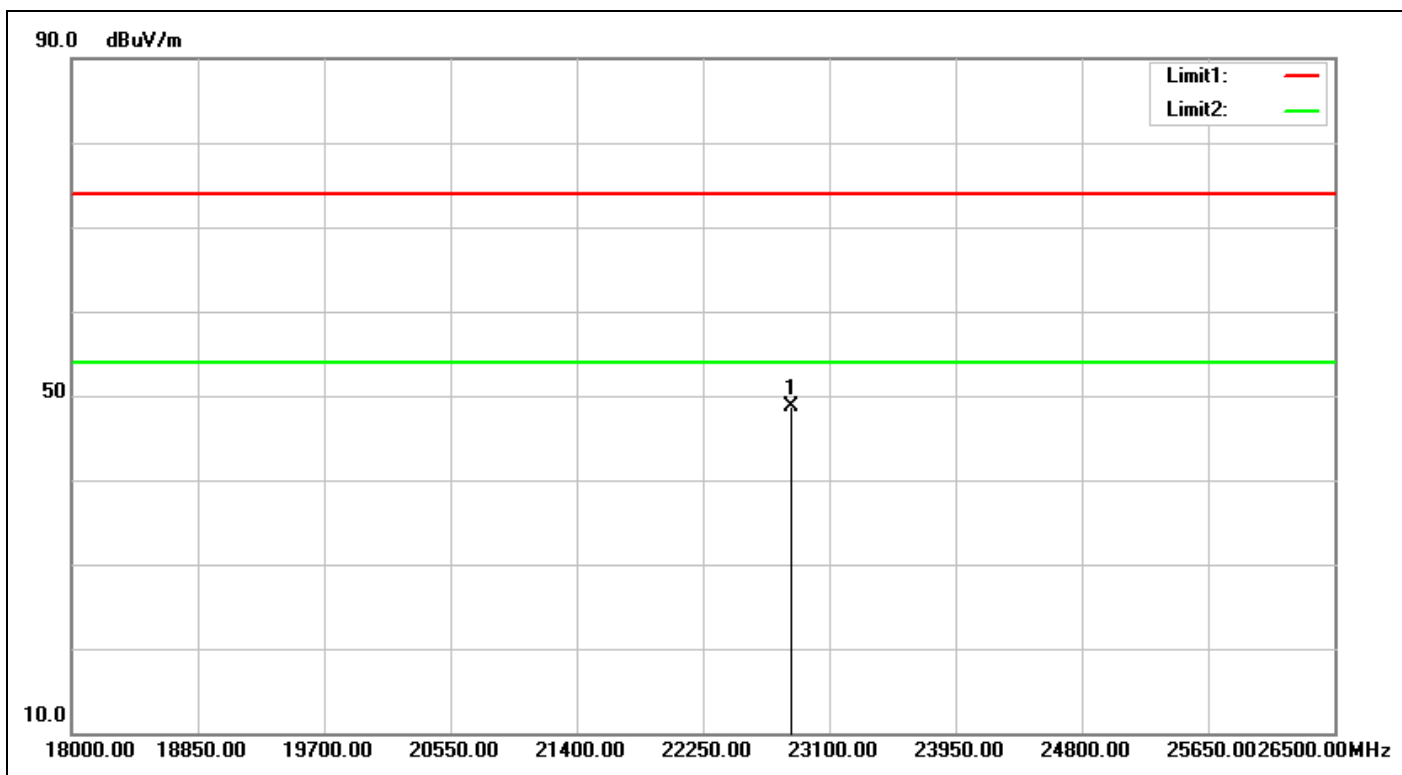
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:32:09
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22683.500	32.13	17.73	49.86	74.00	-24.14	peak	100	113	



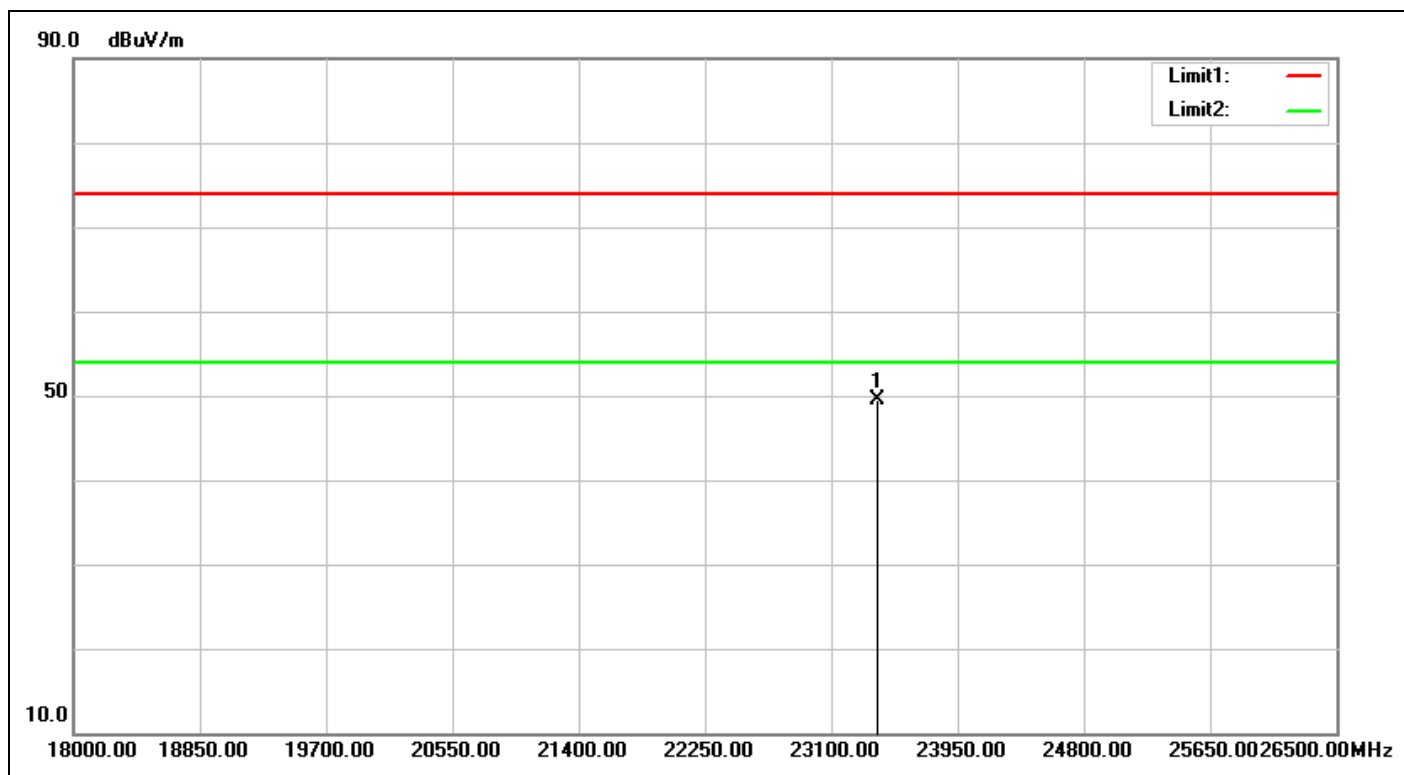
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:32:37
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22802.500	32.06	16.94	49.00	74.00	-25.00	peak	100	198	



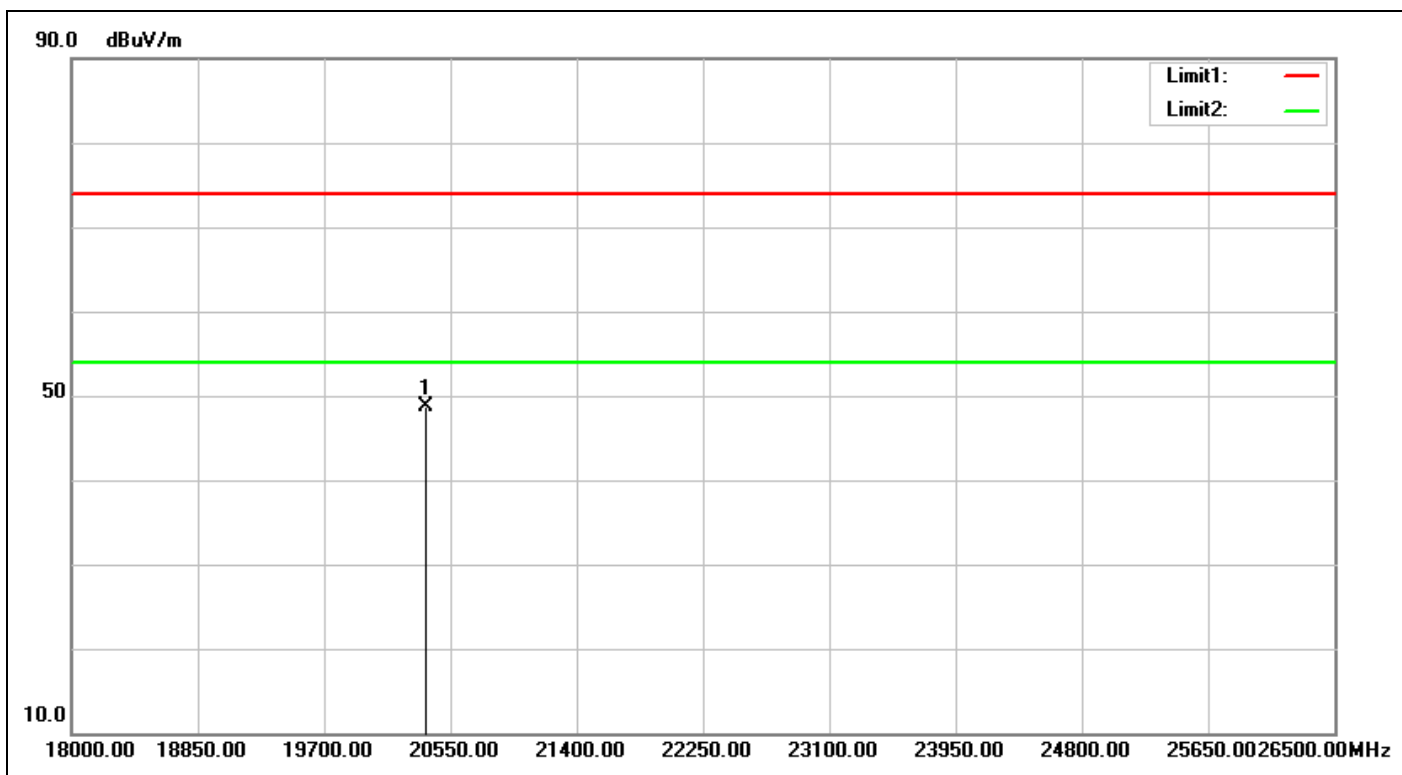
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:32:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22845.000	32.02	16.61	48.63	74.00	-25.37	peak	100	270	



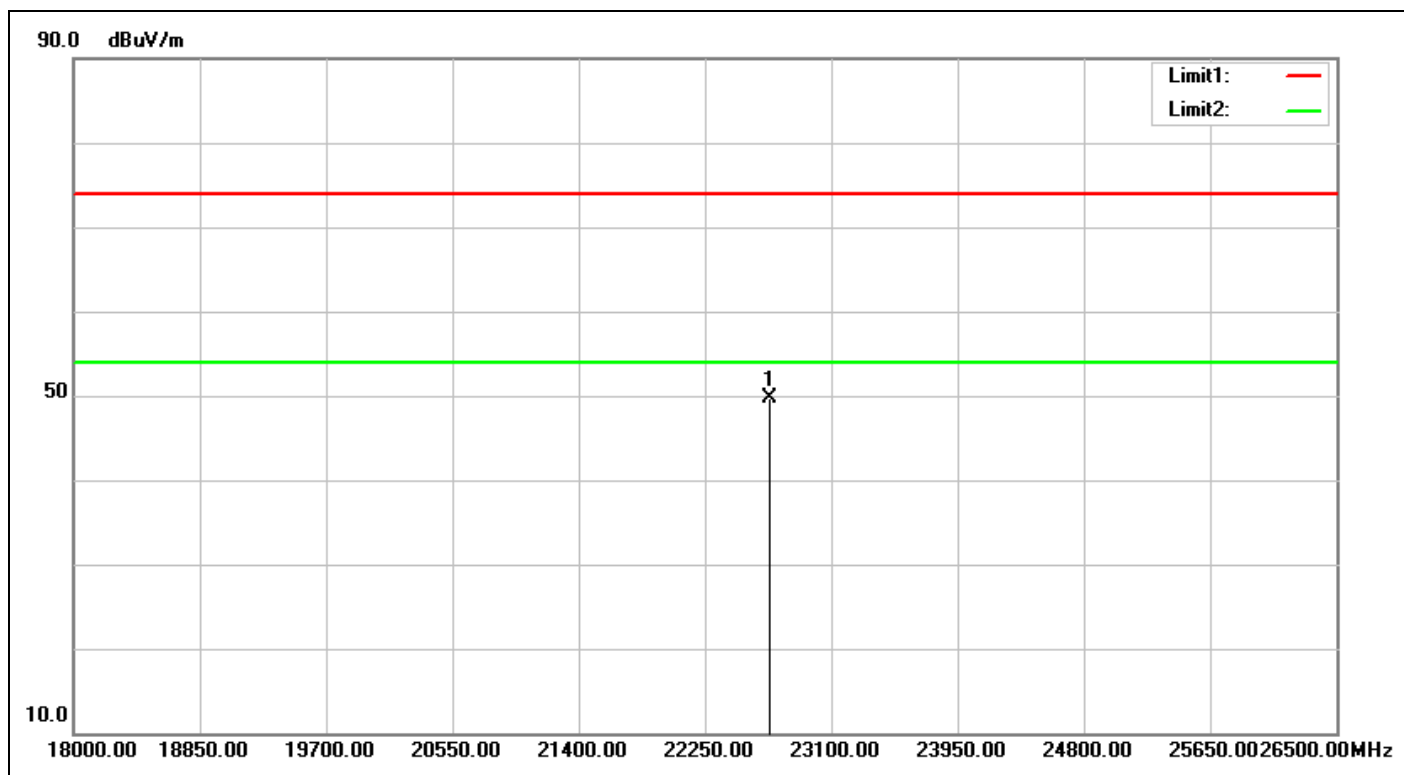
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:33:17
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23406.000	32.34	17.07	49.41	74.00	-24.59	peak	114	227	



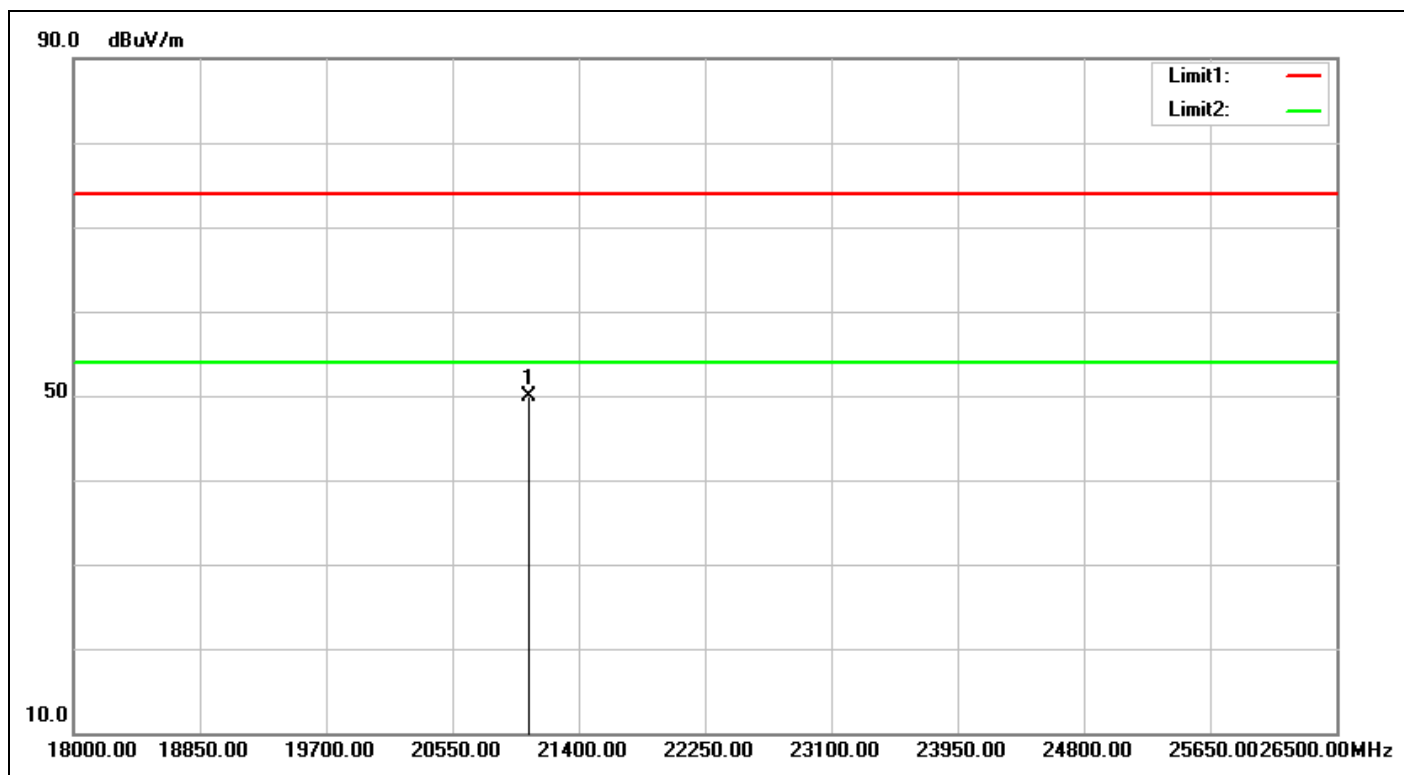
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:33:28
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20380.000	30.86	17.82	48.68	74.00	-25.32	peak	100	320	



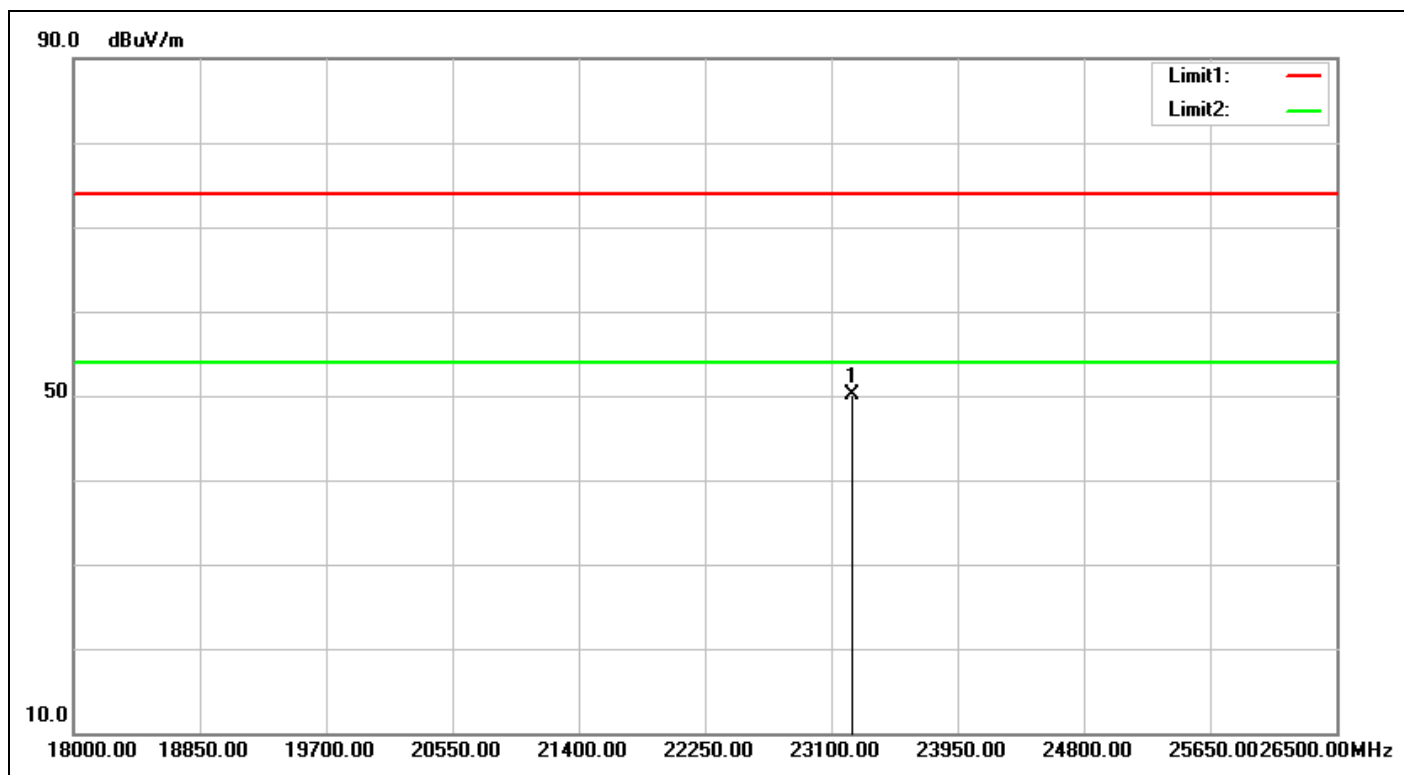
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:33:46
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22683.500	32.13	17.58	49.71	74.00	-24.29	peak	100	185	



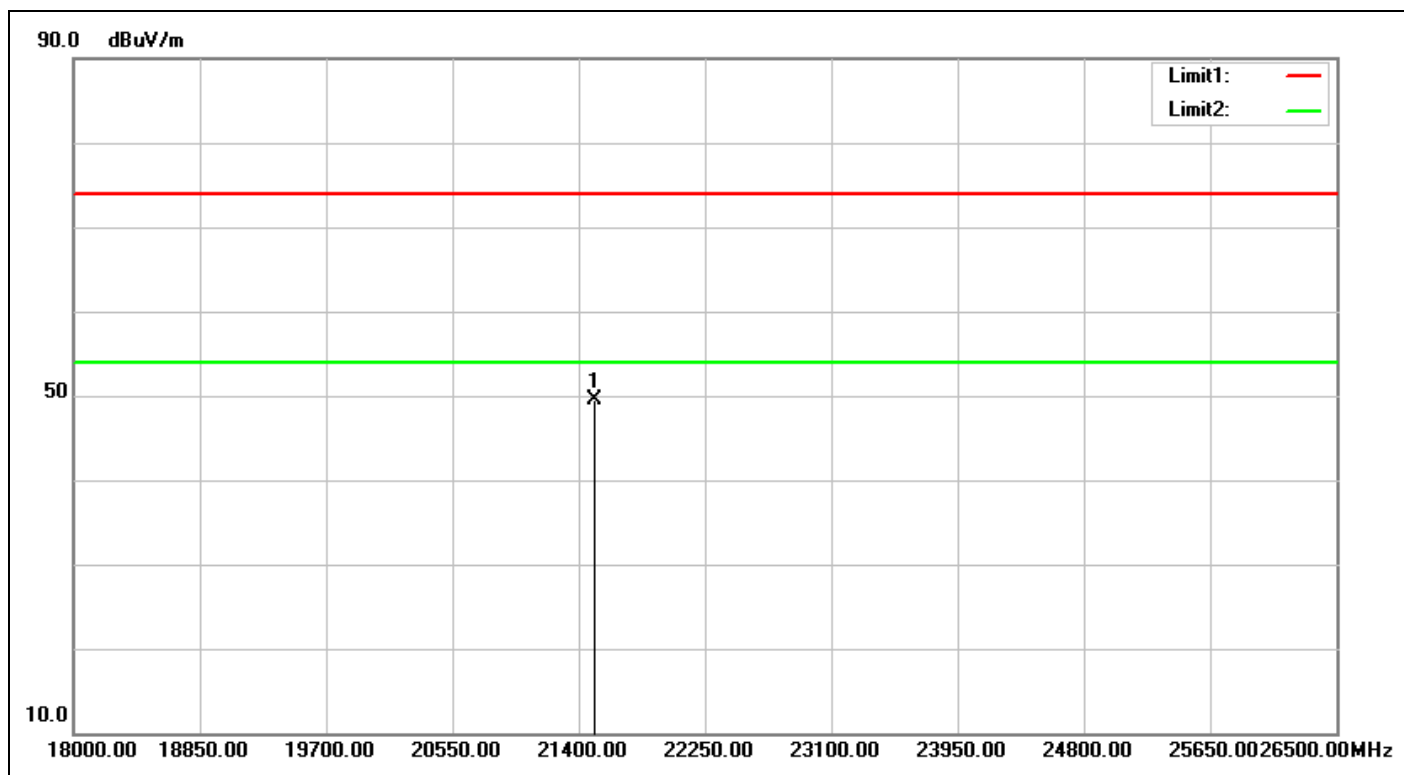
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:33:57
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21068.500	31.38	18.54	49.92	74.00	-24.08	peak	100	199	



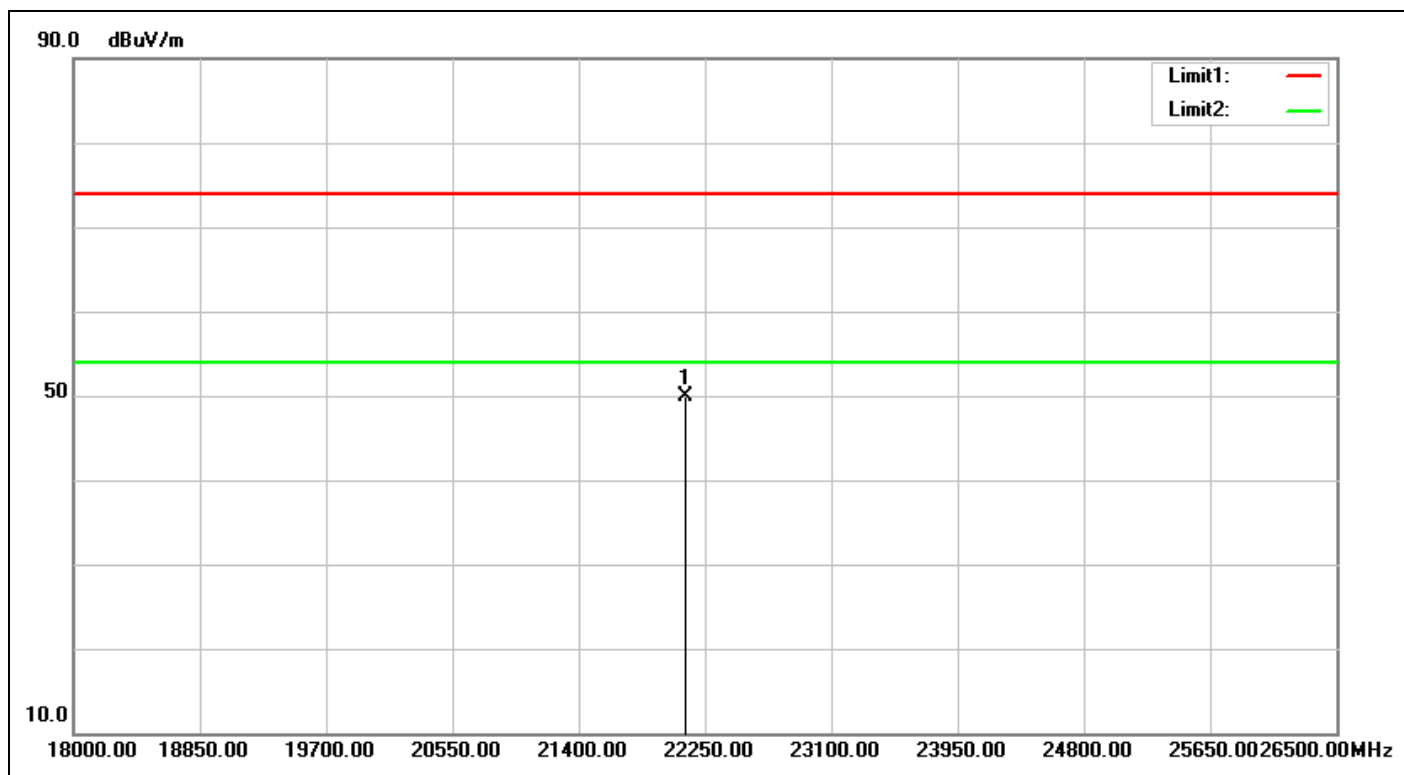
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:34:19
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23236.000	32.17	17.91	50.08	74.00	-23.92	peak	100	136	



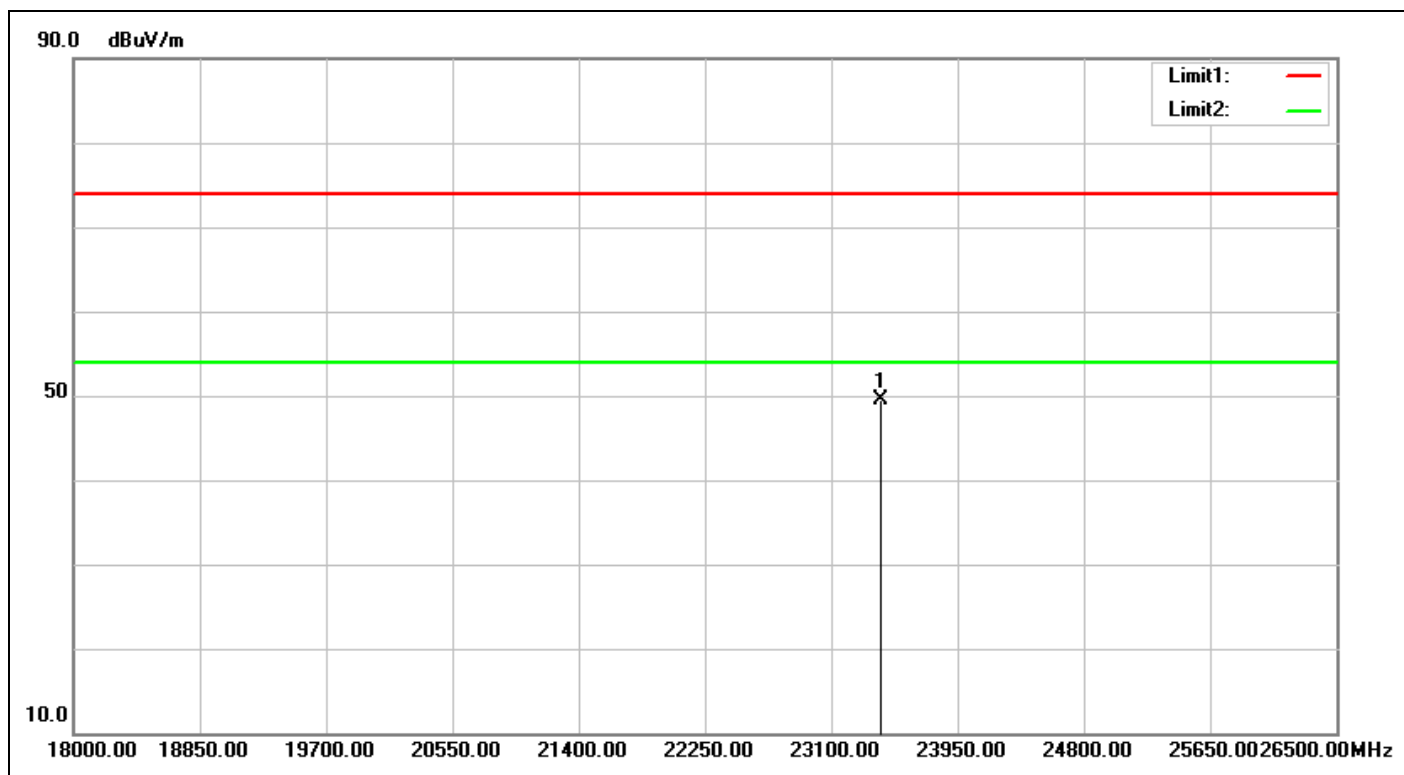
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:34:30
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21510.500	32.04	17.48	49.52	74.00	-24.48	peak	100	358	



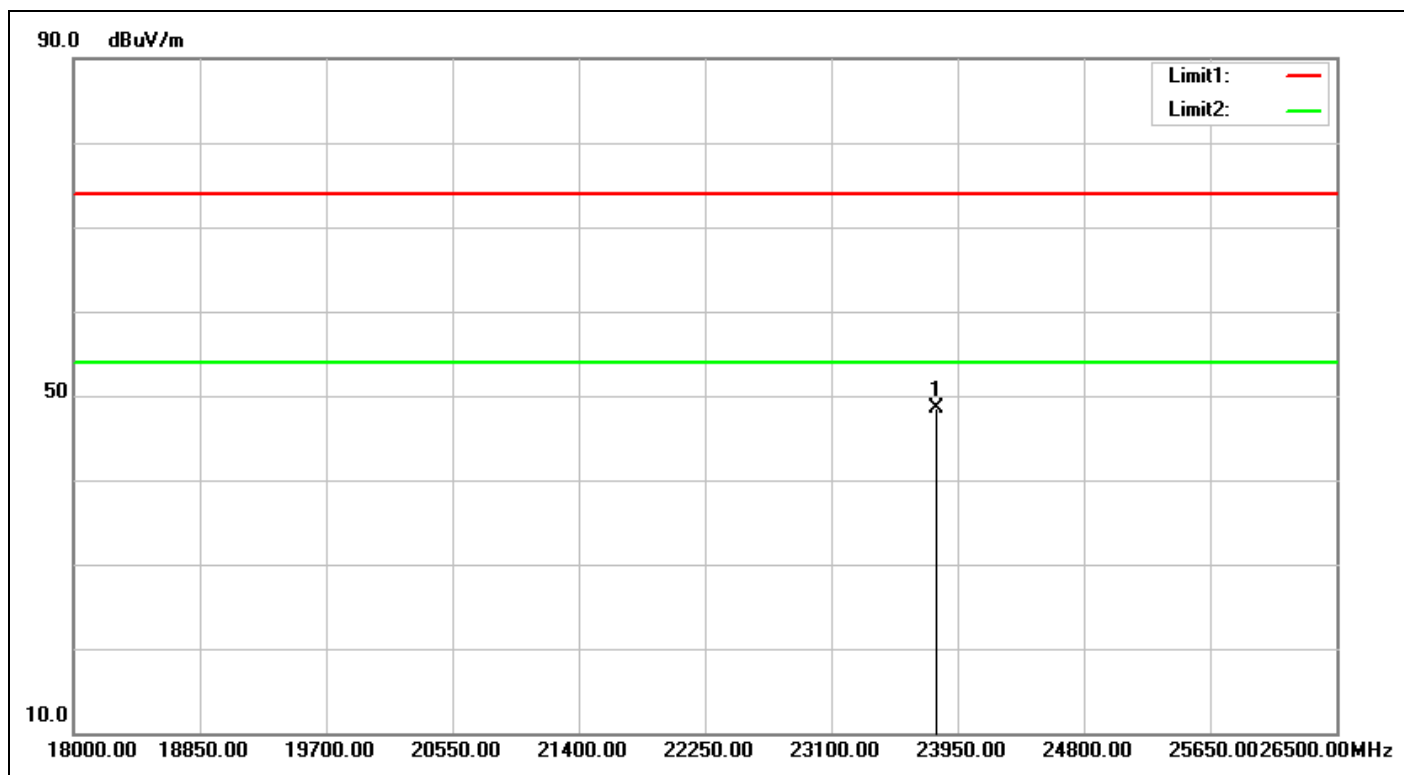
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:34:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22114.000	32.51	17.49	50.00	74.00	-24.00	peak	100	307	



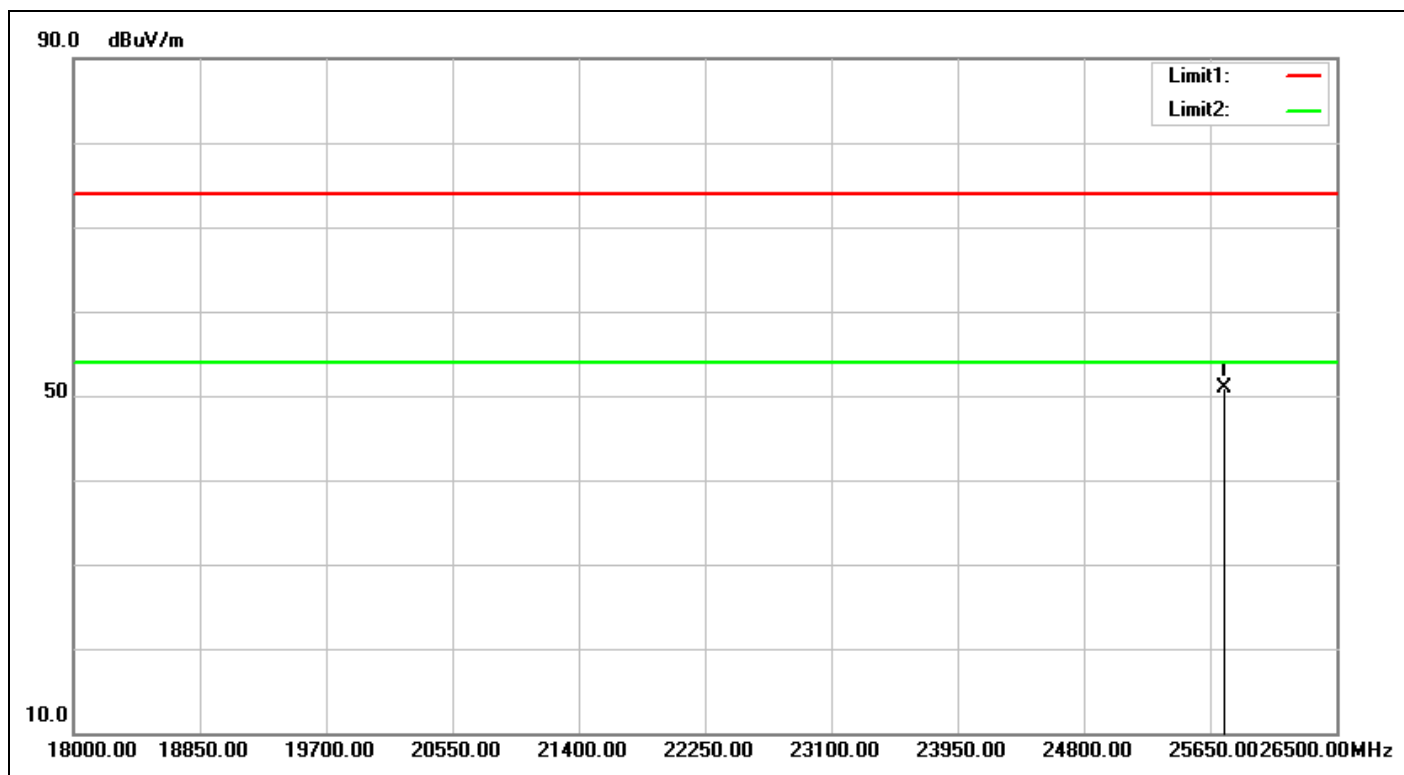
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:35:02
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23431.500	32.36	17.05	49.41	74.00	-24.59	peak	100	282	



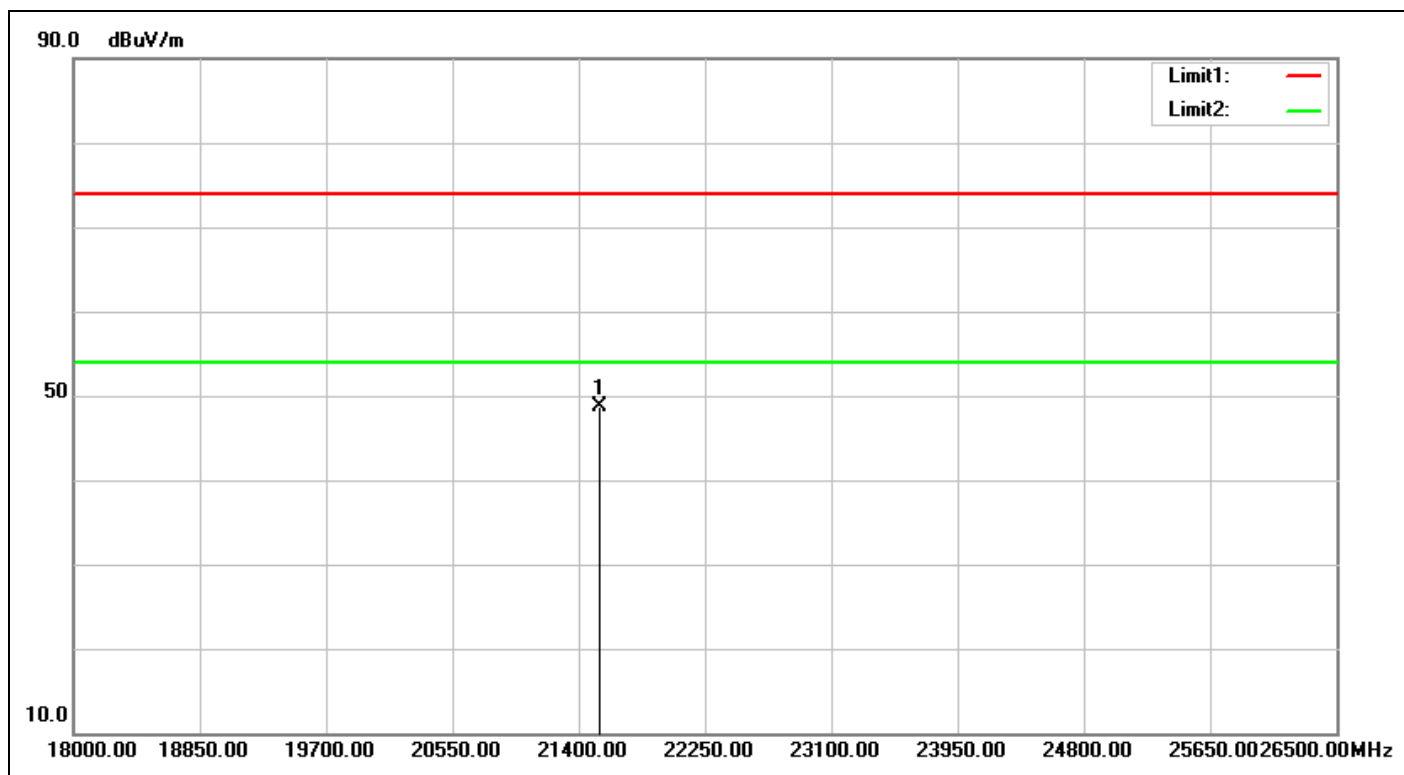
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:35:21
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23805.500	31.94	16.59	48.53	74.00	-25.47	peak	100	164	



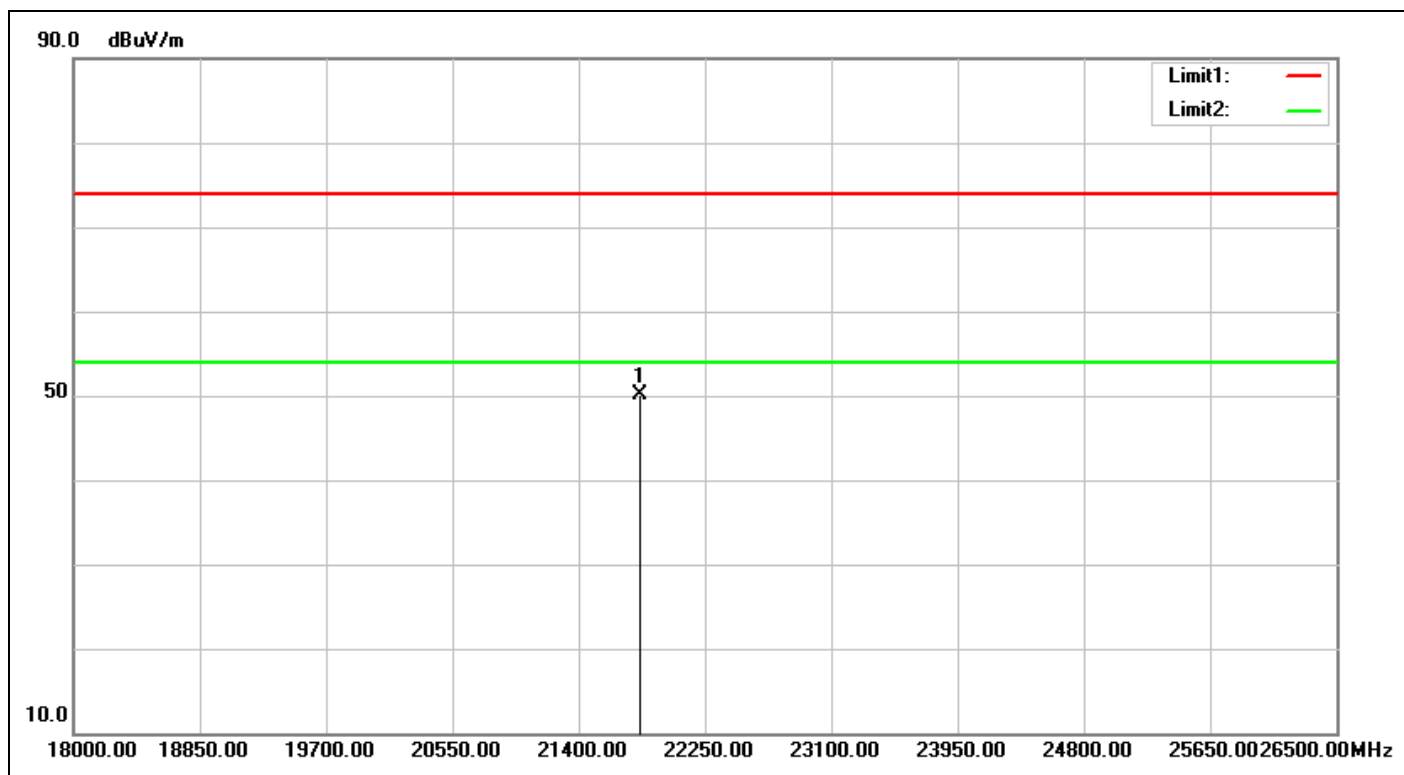
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:35:32
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25743.500	34.59	16.41	51.00	74.00	-23.00	peak	100	305	



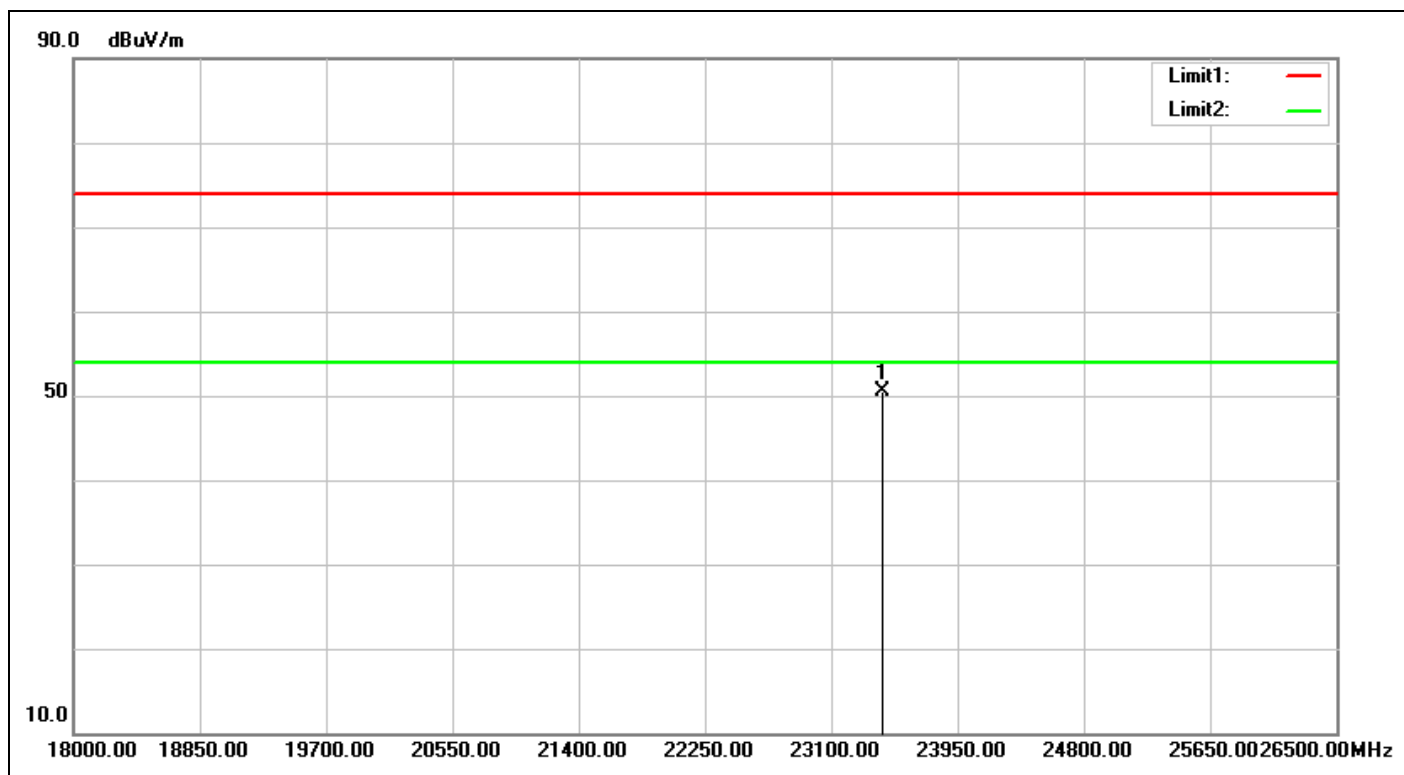
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:35:58
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21536.000	32.07	16.55	48.62	74.00	-25.38	peak	100	63	



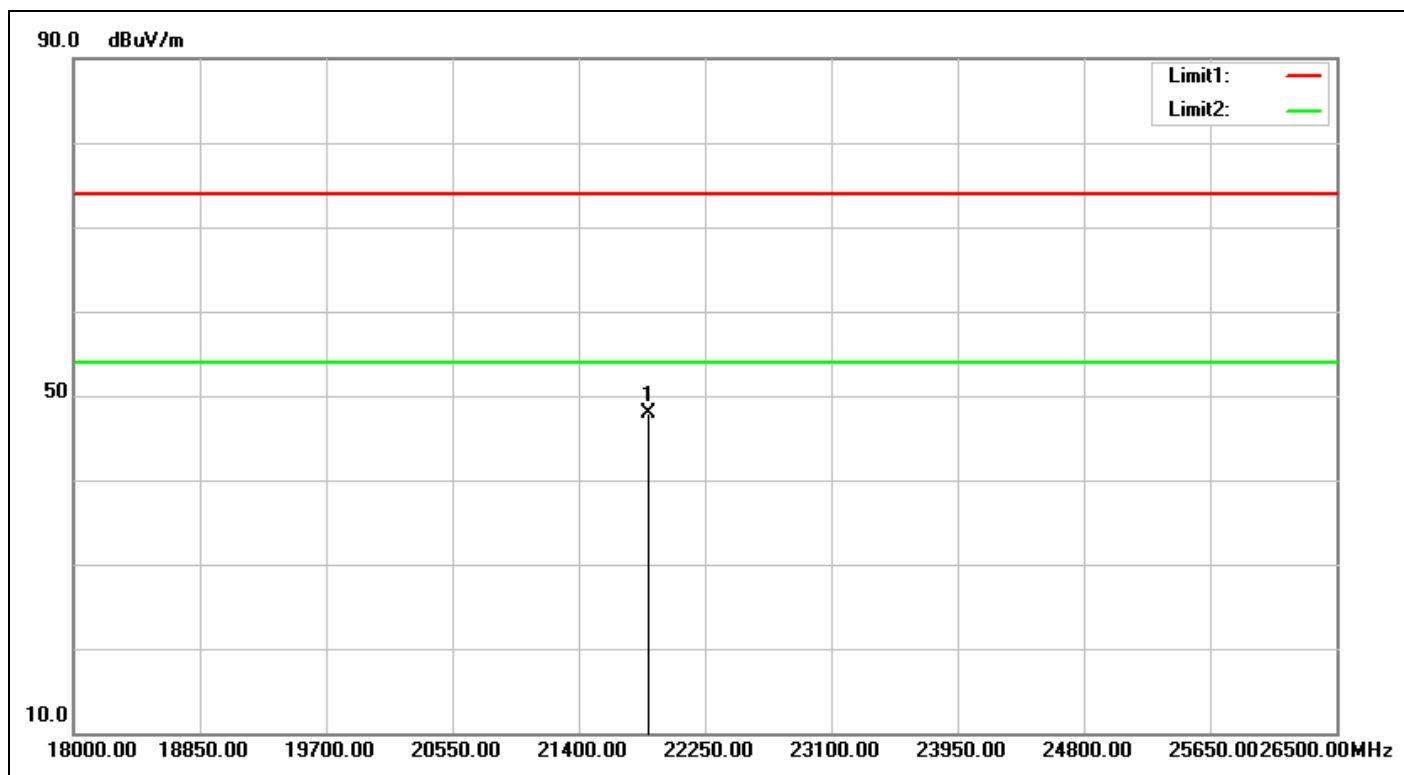
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:36:11
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21808.000	32.36	17.70	50.06	74.00	-23.94	peak	100	240	



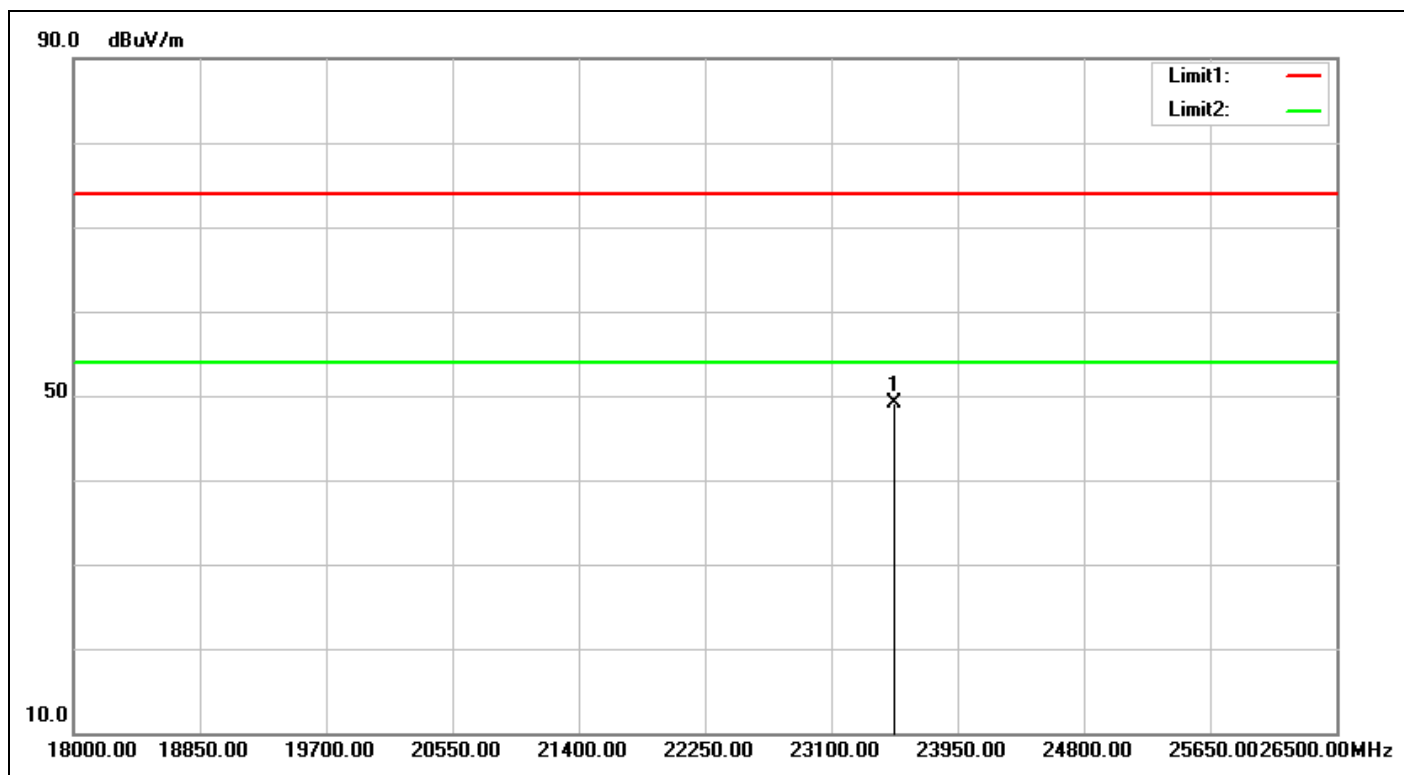
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:36:35
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2422-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23448.500	32.38	18.08	50.46	74.00	-23.54	peak	100	331	



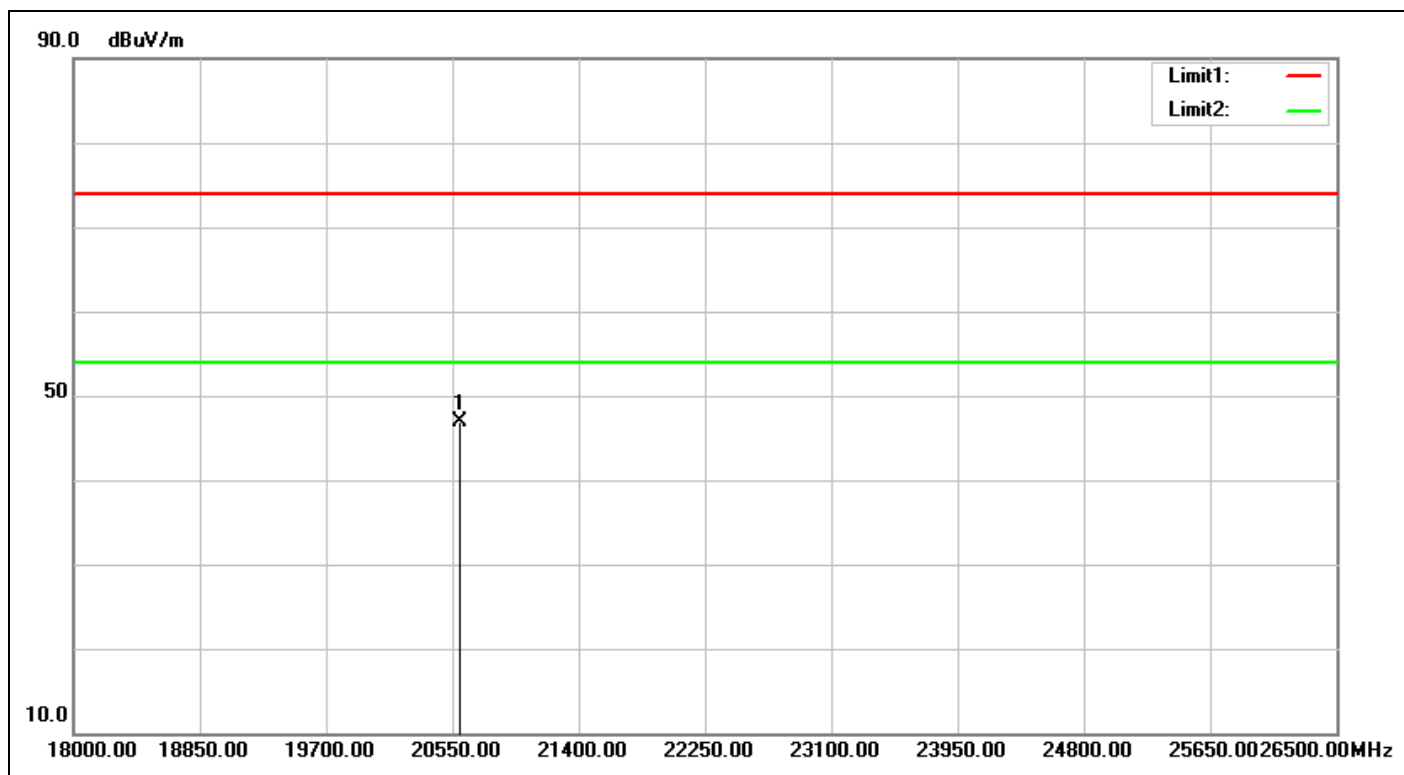
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:36:50
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2422-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21867.500	32.44	15.43	47.87	74.00	-26.13	peak	100	247	



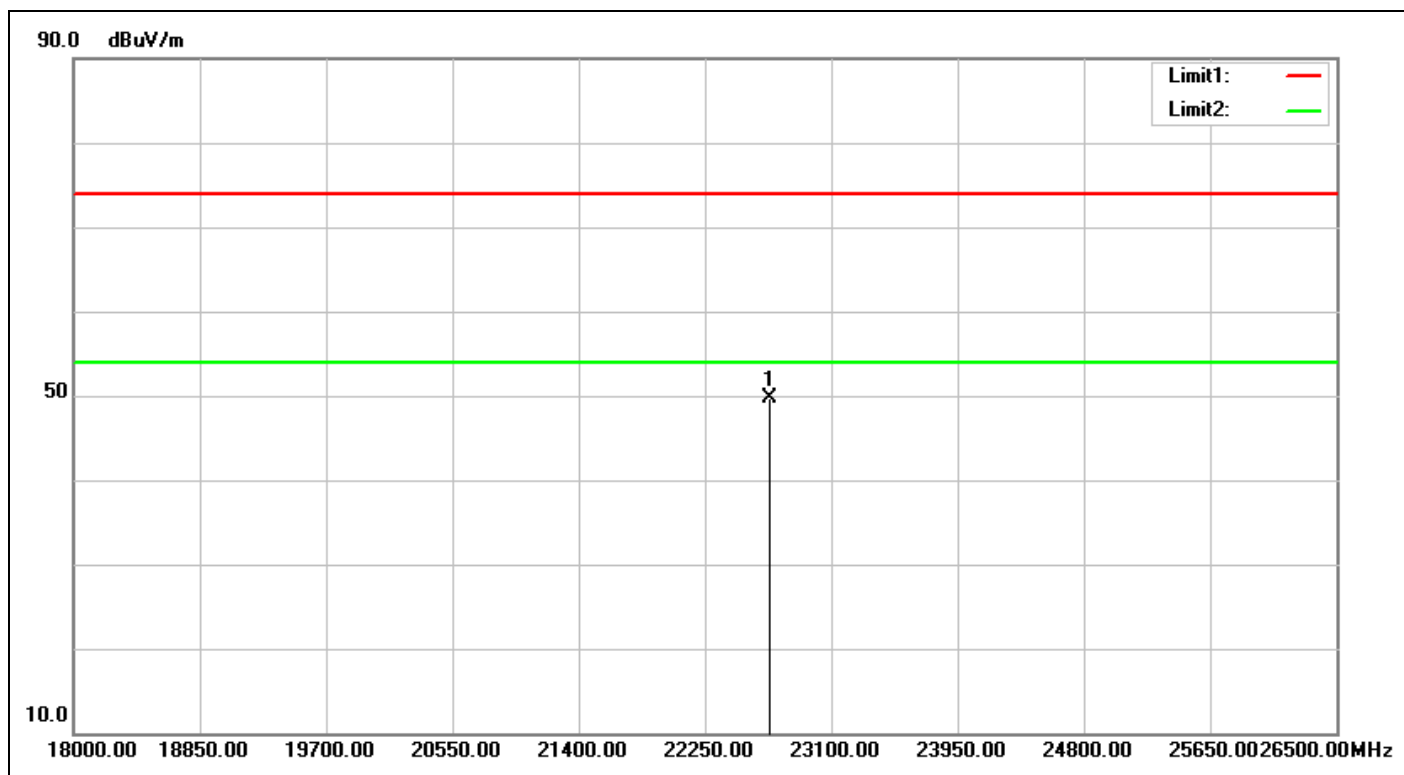
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:37:11
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23525.000	32.39	16.79	49.18	74.00	-24.82	peak	100	89	



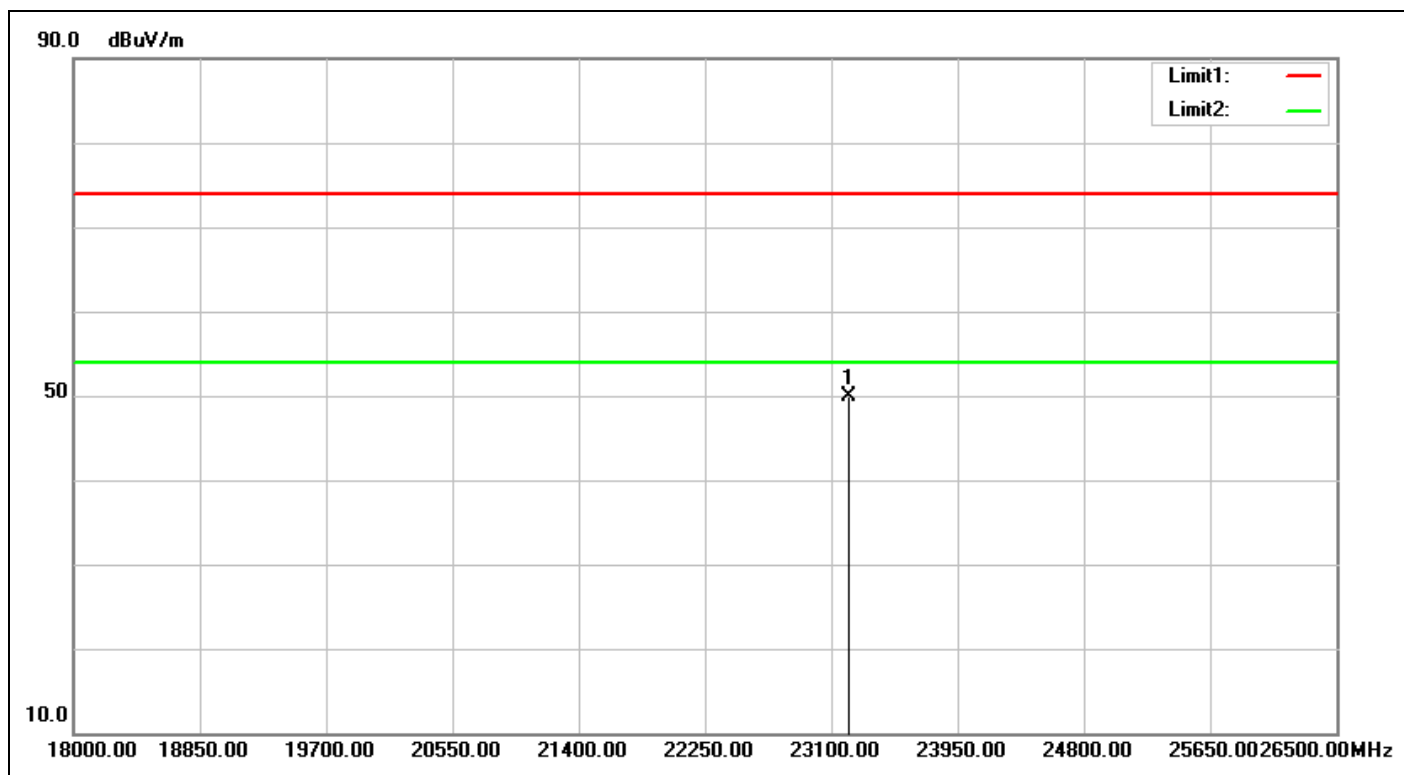
Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:37:24
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20601.000	31.03	15.94	46.97	74.00	-27.03	peak	100	348	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:37:46
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2452-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22683.500	32.13	17.49	49.62	74.00	-24.38	peak	100	63	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:38:06
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	G40-2452-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23219.000	32.15	17.79	49.94	74.00	-24.06	peak	100	254	

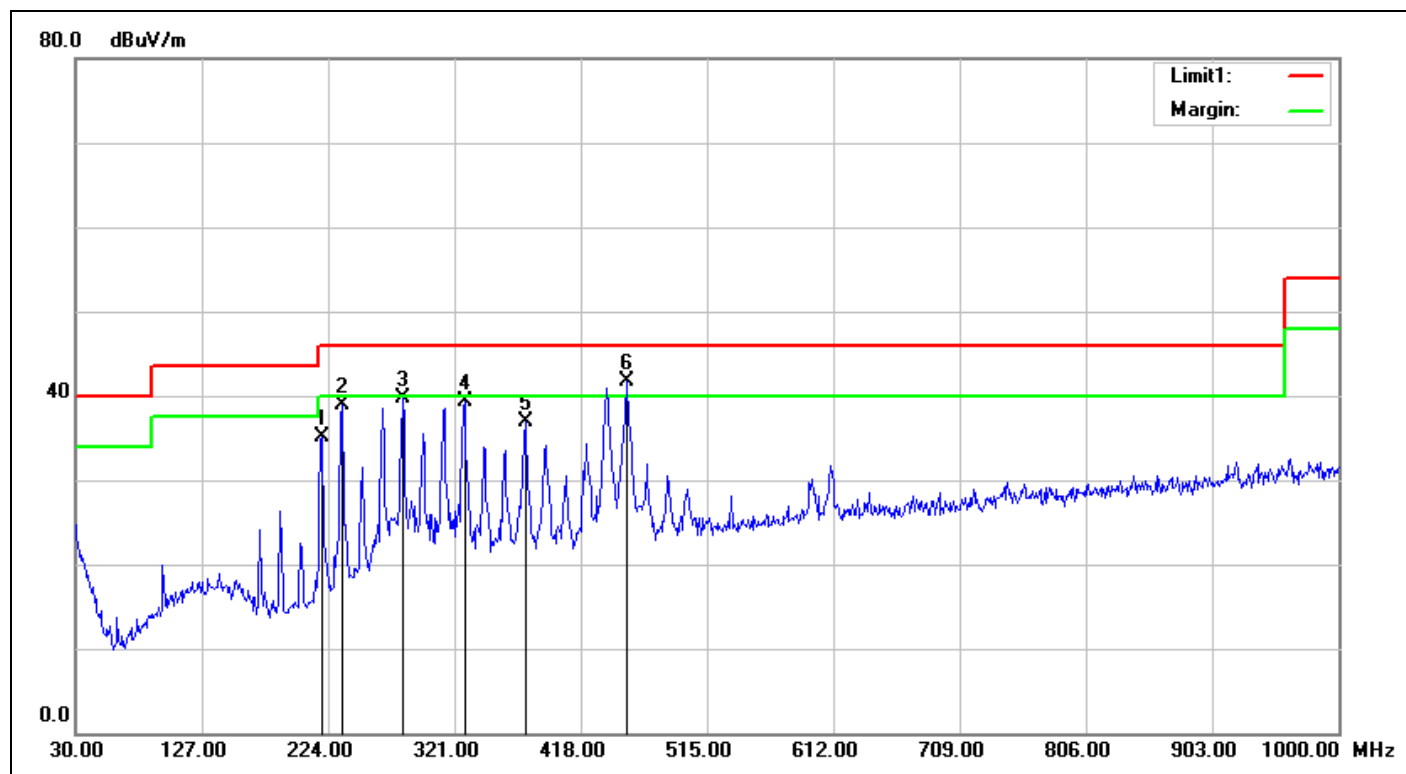
Spurious Emissions, TX Mode, 30M-1G



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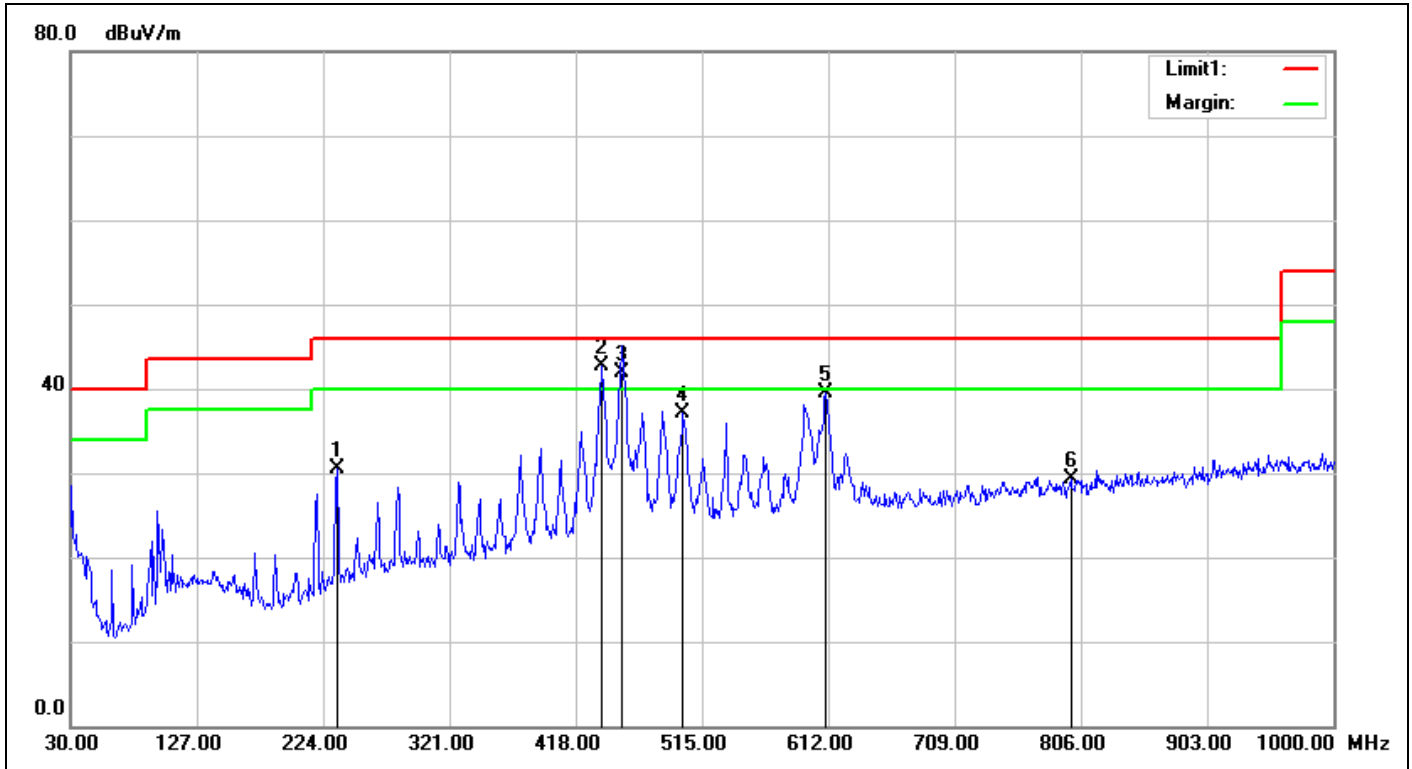
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 16:06:18
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	219.1500	-8.33	43.39	35.06	46.00	-10.94	QP	100	234	
2	234.6700	-7.21	46.03	38.82	46.00	-7.18	QP	100	264	
3	281.2300	-5.10	44.79	39.69	46.00	-6.31	QP	100	248	
4	328.7600	-3.86	43.14	39.28	46.00	-6.72	QP	100	245	
5	375.3200	-2.88	39.85	36.97	46.00	-9.03	QP	100	226	
6	452.9200	-1.87	43.51	41.64	46.00	-4.36	QP	100	223	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 16:07:21
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	234.6700	-7.21	37.72	30.51	46.00	-15.49	QP	100	357	
2	438.3700	-2.03	44.82	42.79	46.00	-3.21	QP	100	171	
3	453.8900	-1.84	43.74	41.90	46.00	-4.10	QP	100	171	
4	500.4500	-1.17	38.30	37.13	46.00	-8.87	QP	100	335	
5	610.0600	0.17	39.32	39.49	46.00	-6.51	QP	100	91	
6	798.2400	2.76	26.49	29.25	46.00	-16.75	QP	100	349	

Spurious Emissions, TX Mode, 30M-1G

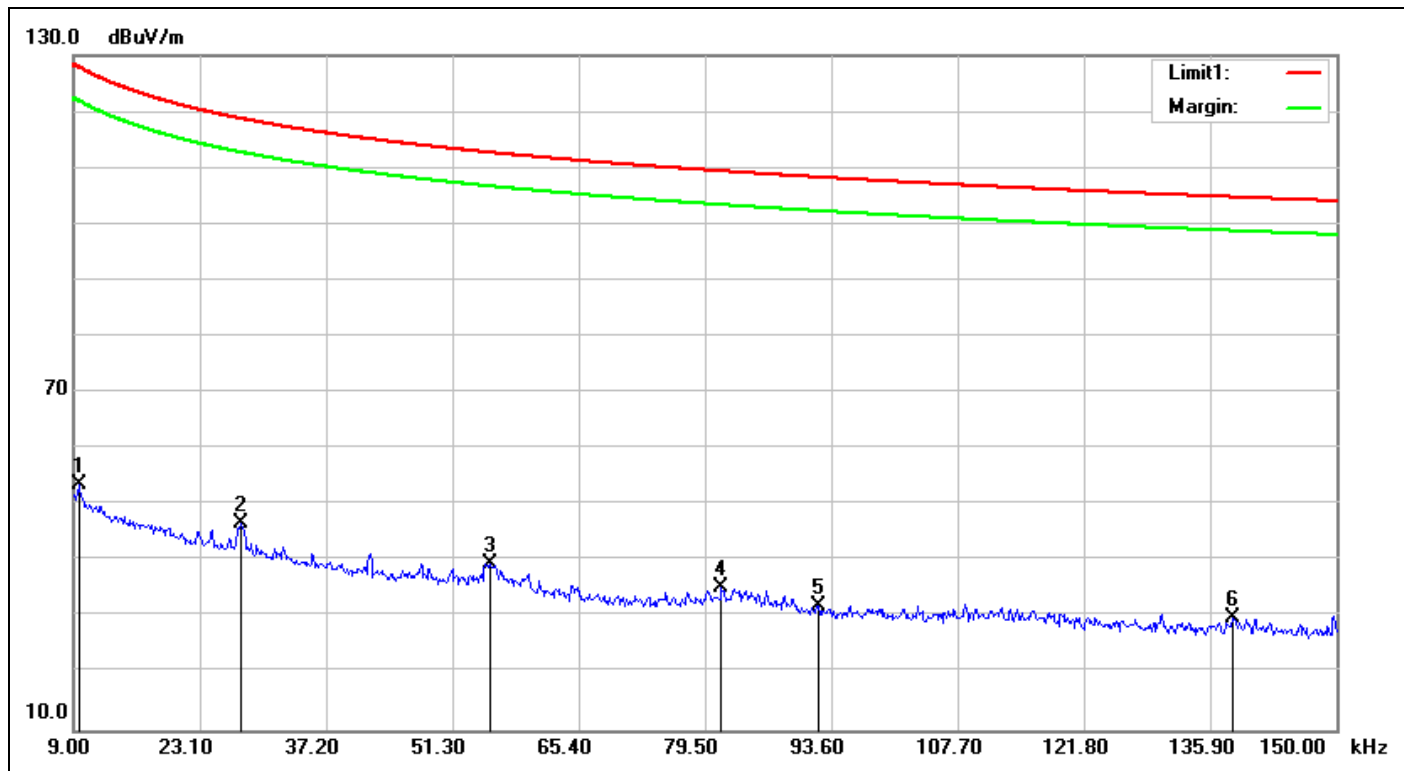
Spurious Emissions, TX Mode, 9k-30M



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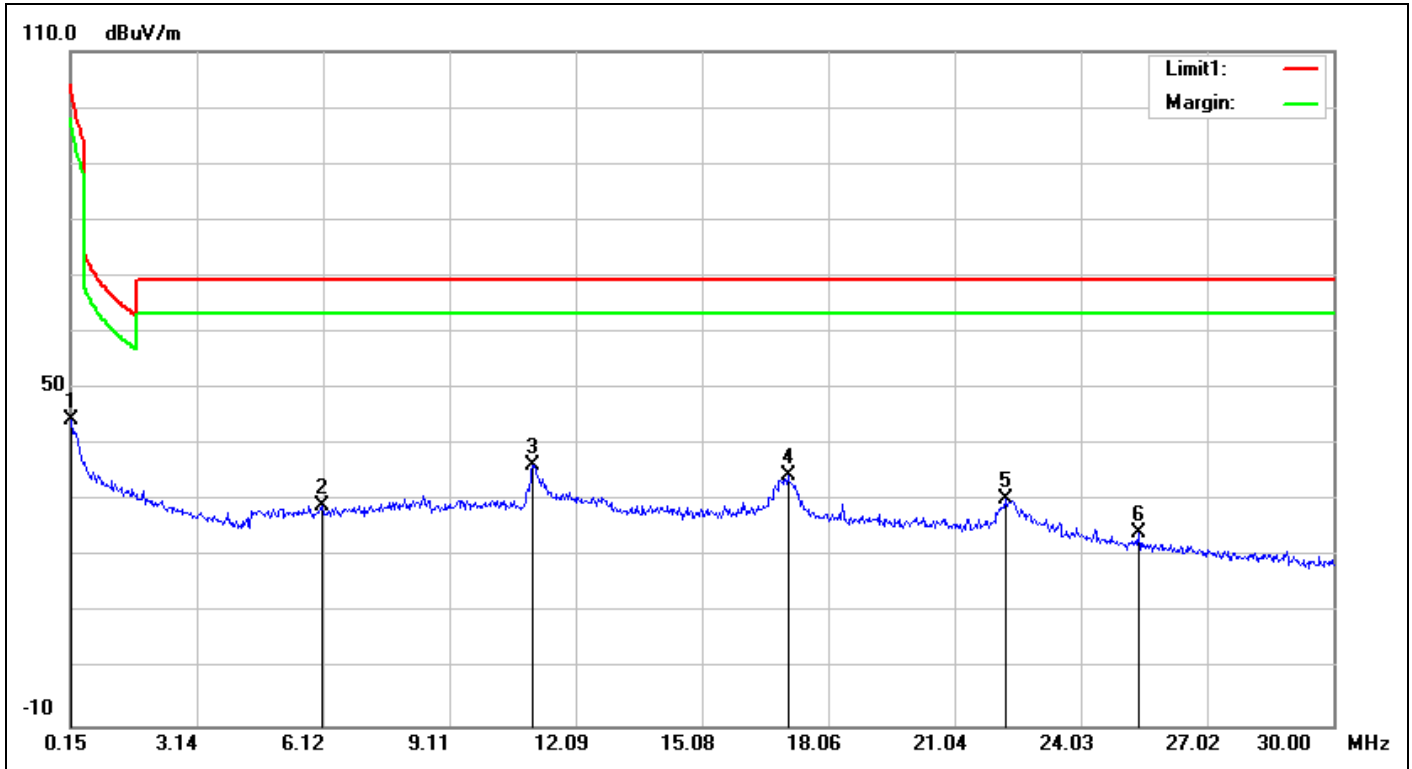
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Service No.:	114071117-SA-7510-NCC	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/11/29 15:00:08
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0095	19.73	33.83	53.56	128.03	-74.47	QP	100	251	
2	0.0277	20.11	26.54	46.65	118.74	-72.09	QP	100	120	
3	0.0555	19.40	20.05	39.45	112.71	-73.26	QP	100	243	
4	0.0813	19.24	16.01	35.25	109.39	-74.14	QP	100	131	
5	0.0921	19.18	12.96	32.14	108.31	-76.17	QP	100	243	
6	0.1384	19.09	10.83	29.92	104.78	-74.86	QP	100	123	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114071117-SA-7510-NCC	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/11/29 15:03:33
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Gerorge Yang
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	25.45	44.53	104.08	-59.55	QP	100	97	
2	6.0901	19.86	9.24	29.10	69.50	-40.40	QP	100	312	
3	11.0751	20.41	16.07	36.48	69.50	-33.02	QP	100	354	
4	17.1048	21.48	13.12	34.60	69.50	-34.90	QP	100	104	
5	22.2390	22.13	8.22	30.35	69.50	-39.15	QP	100	125	
6	25.4030	22.34	1.95	24.29	69.50	-45.21	QP	100	285	

Spurious Emissions, TX Mode, 30M-1G

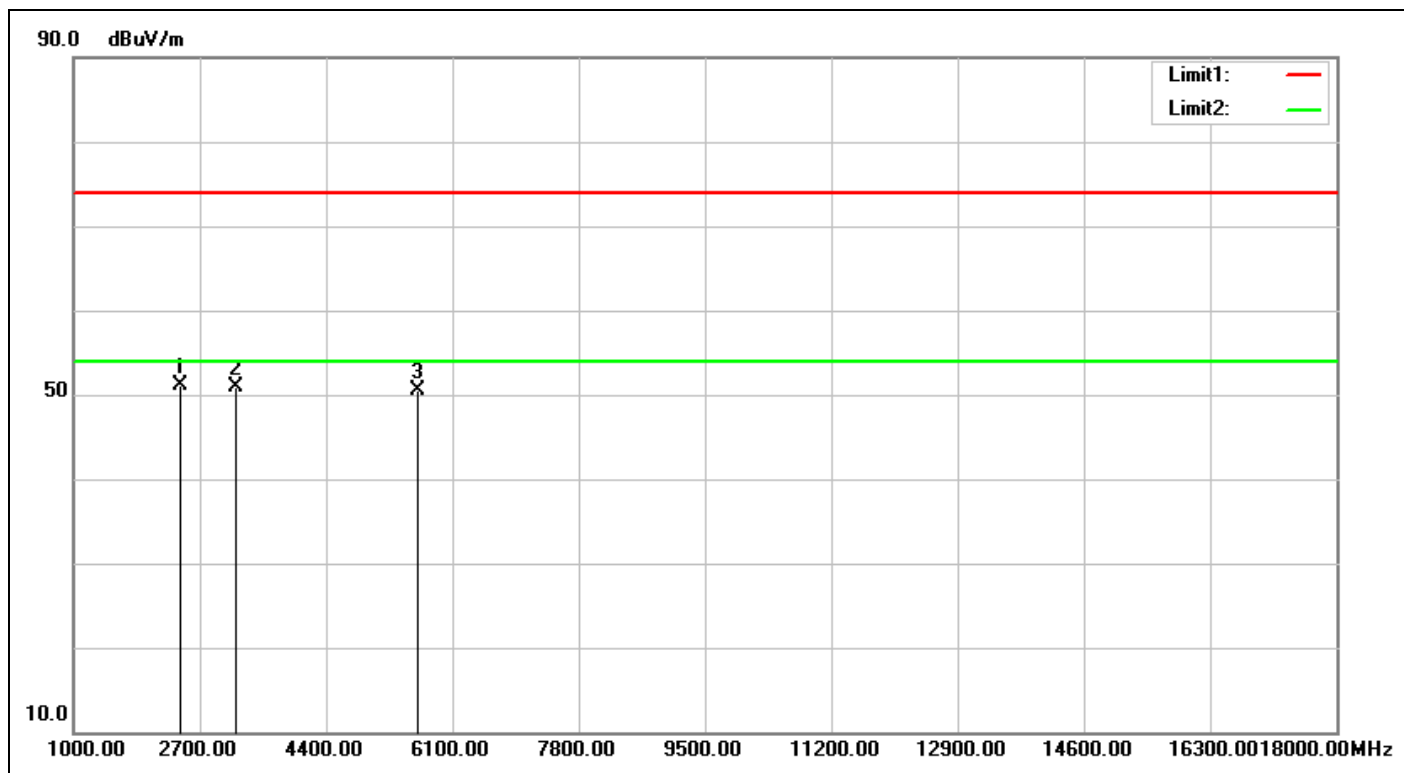
Spurious Emissions, RX Mode, 1-18G



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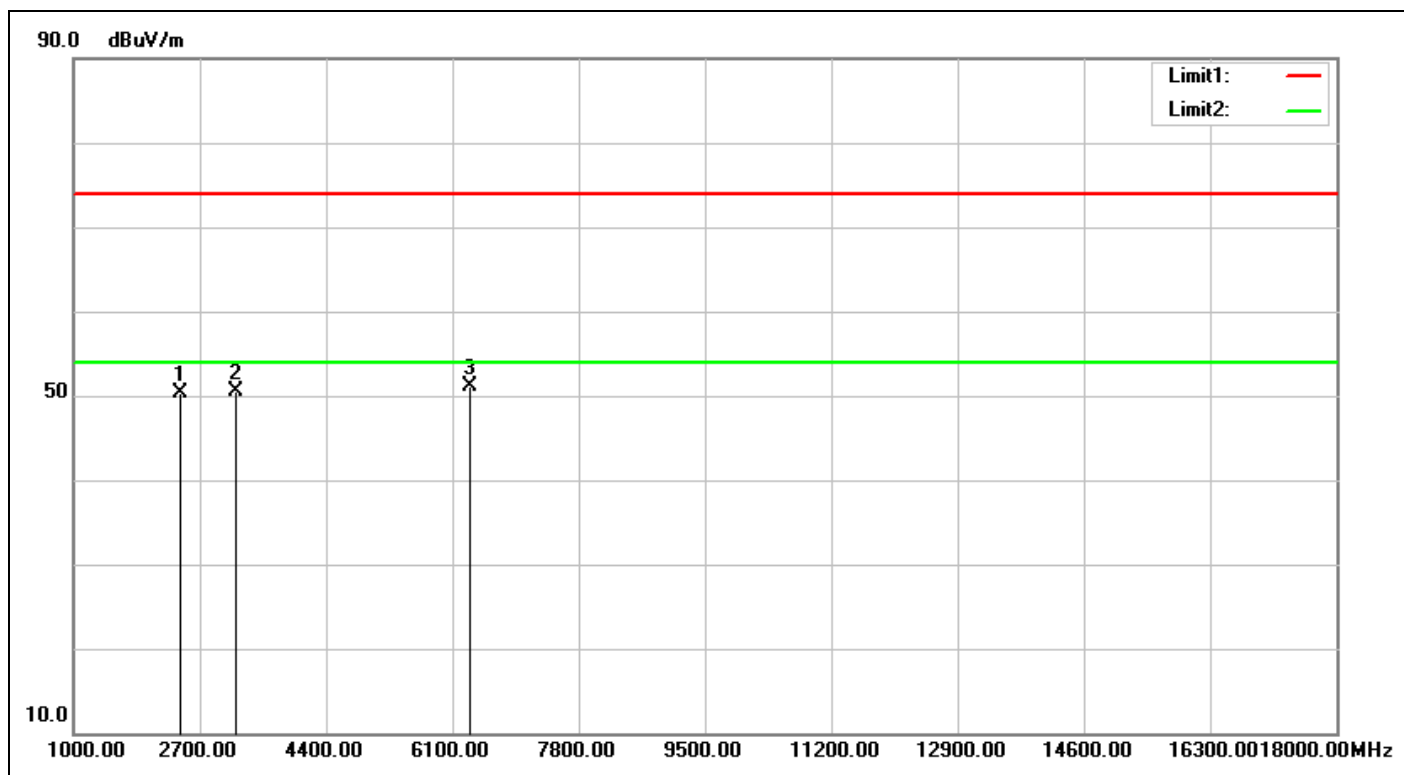
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Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/27 17:52:06
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2428.000	-4.06	55.20	51.14	74.00	-22.86	peak	100	214	
2	3193.000	-2.11	52.99	50.88	74.00	-23.12	peak	100	128	
3	5641.000	3.74	46.80	50.54	74.00	-23.46	peak	100	73	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/27 17:53:08
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	22(°C)/55%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2428.000	-4.06	54.46	50.40	74.00	-23.60	peak	100	163	
2	3193.000	-2.11	52.52	50.41	74.00	-23.59	peak	100	149	
3	6338.000	4.55	46.49	51.04	74.00	-22.96	peak	100	50	

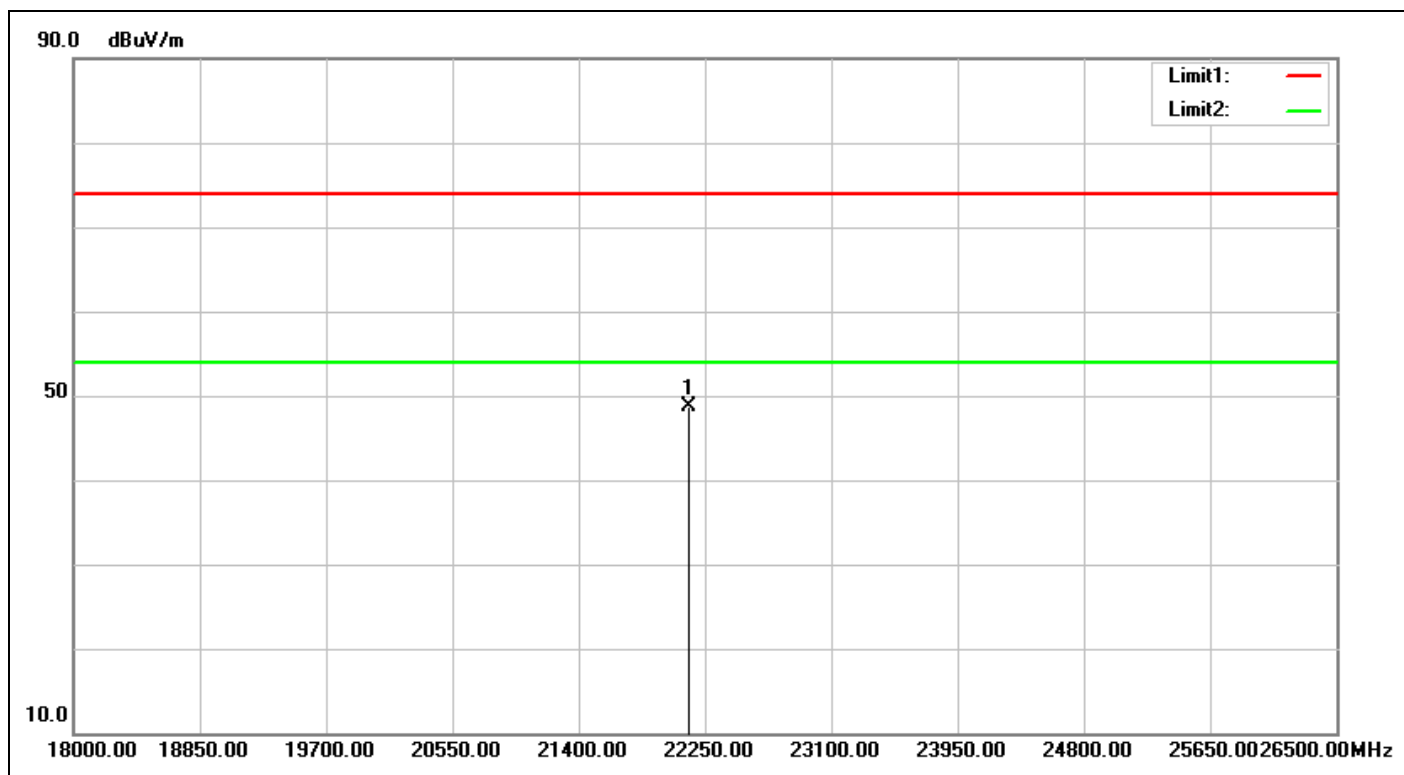
Spurious Emissions, RX Mode, 18-26G



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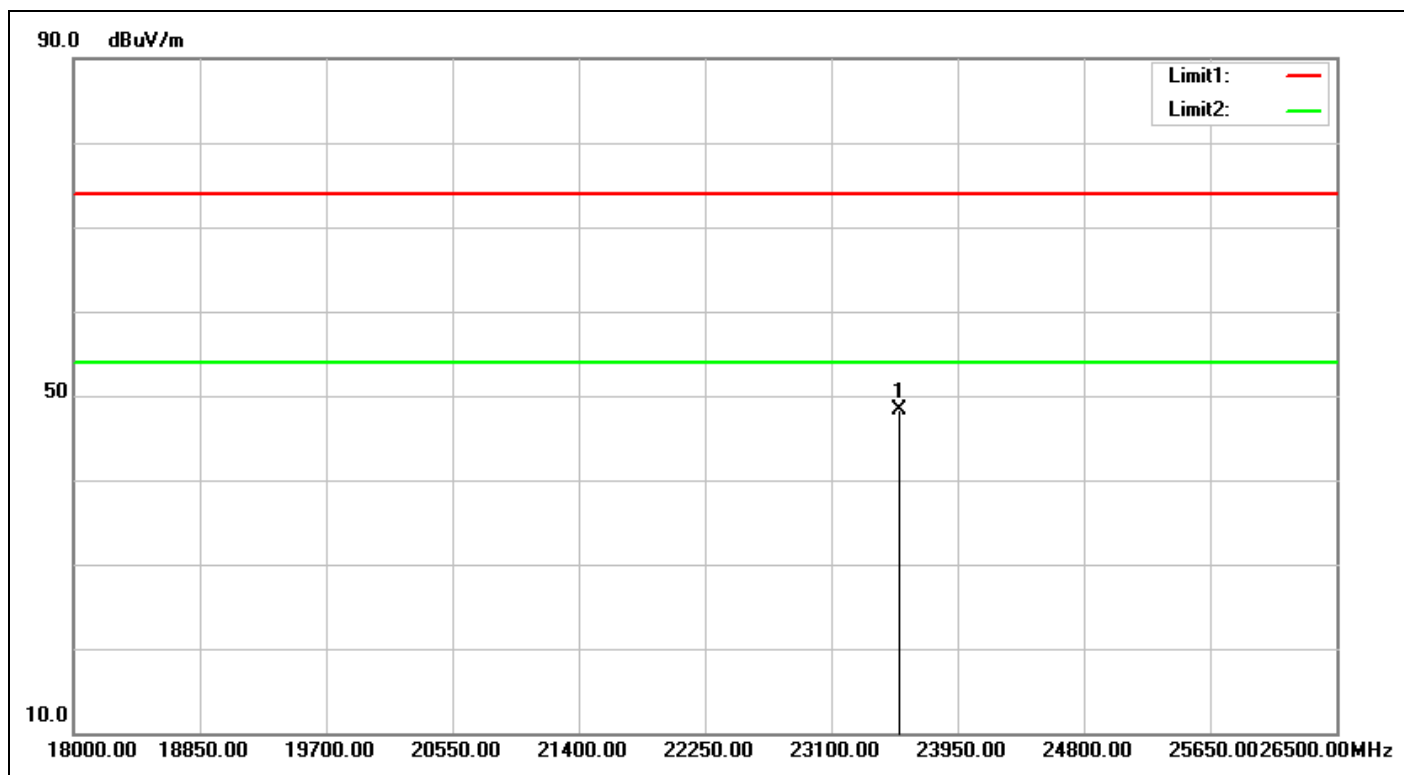
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 13:38:32
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22139.500	32.49	16.29	48.78	74.00	-25.22	peak	100	103	



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 13:38:43
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%):	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23559.000	32.33	16.00	48.33	74.00	-25.67	peak	100	168	

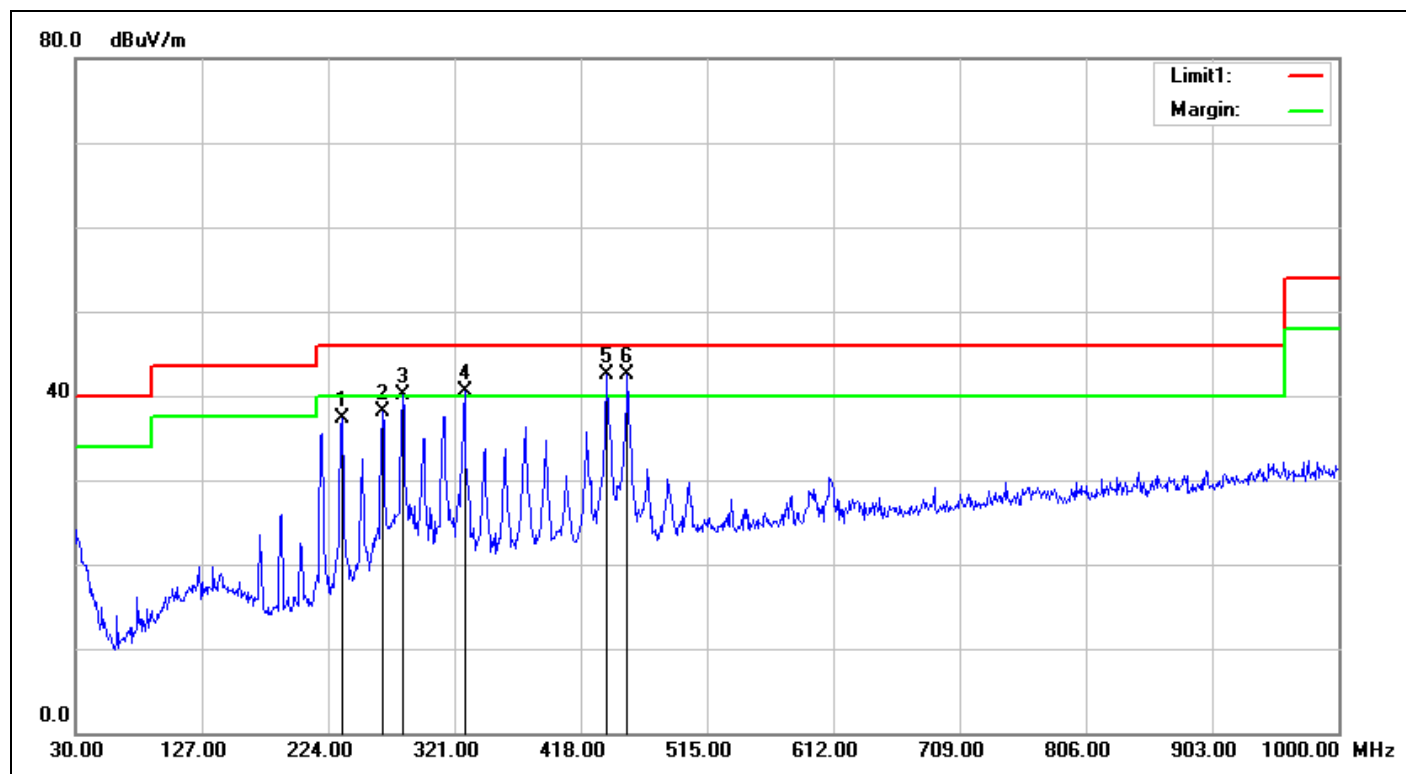
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

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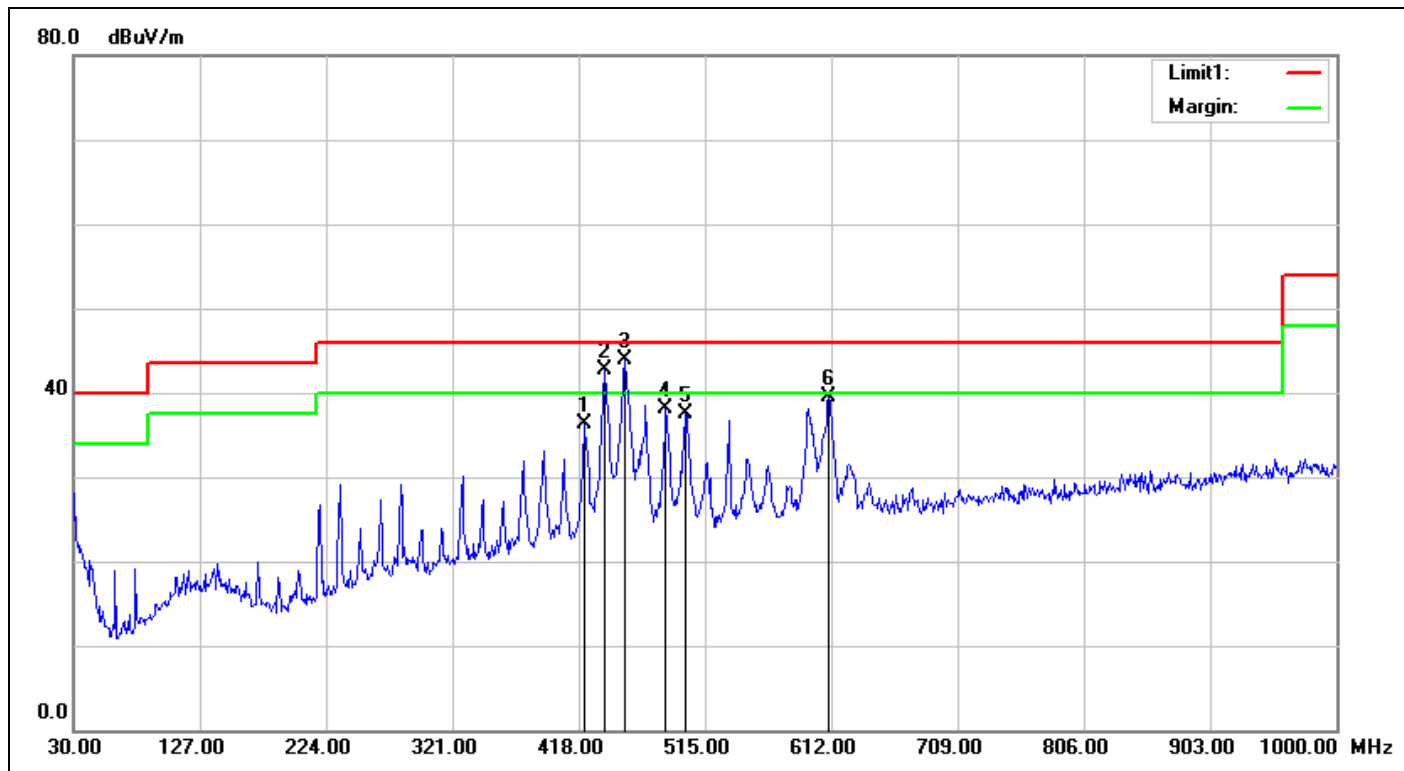
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/11/29 16:16:49
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%)	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	234.6700	-7.21	44.60	37.39	46.00	-8.61	QP	100	280	
2	265.7100	-5.20	43.35	38.15	46.00	-7.85	QP	100	232	
3	281.2300	-5.10	45.26	40.16	46.00	-5.84	QP	100	232	
4	328.7600	-3.86	44.29	40.43	46.00	-5.57	QP	100	245	
5	437.4000	-2.04	44.56	42.52	46.00	-3.48	QP	100	224	
6	453.8900	-1.84	44.30	42.46	46.00	-3.54	QP	100	224	

Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/11/29 16:17:52
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	421.8800	-2.20	38.50	36.30	46.00	-9.70	QP	100	181	
2	438.3700	-2.03	44.82	42.79	46.00	-3.21	QP	100	213	
3	452.9200	-1.87	45.80	43.93	46.00	-2.07	QP	100	184	
4	484.9300	-1.39	39.50	38.11	46.00	-7.89	QP	100	322	
5	500.4500	-1.17	38.68	37.51	46.00	-8.49	QP	100	352	
6	610.0600	0.17	39.32	39.49	46.00	-6.51	QP	100	27	

Spurious Emissions, Mains, 150kHz - 30MHz

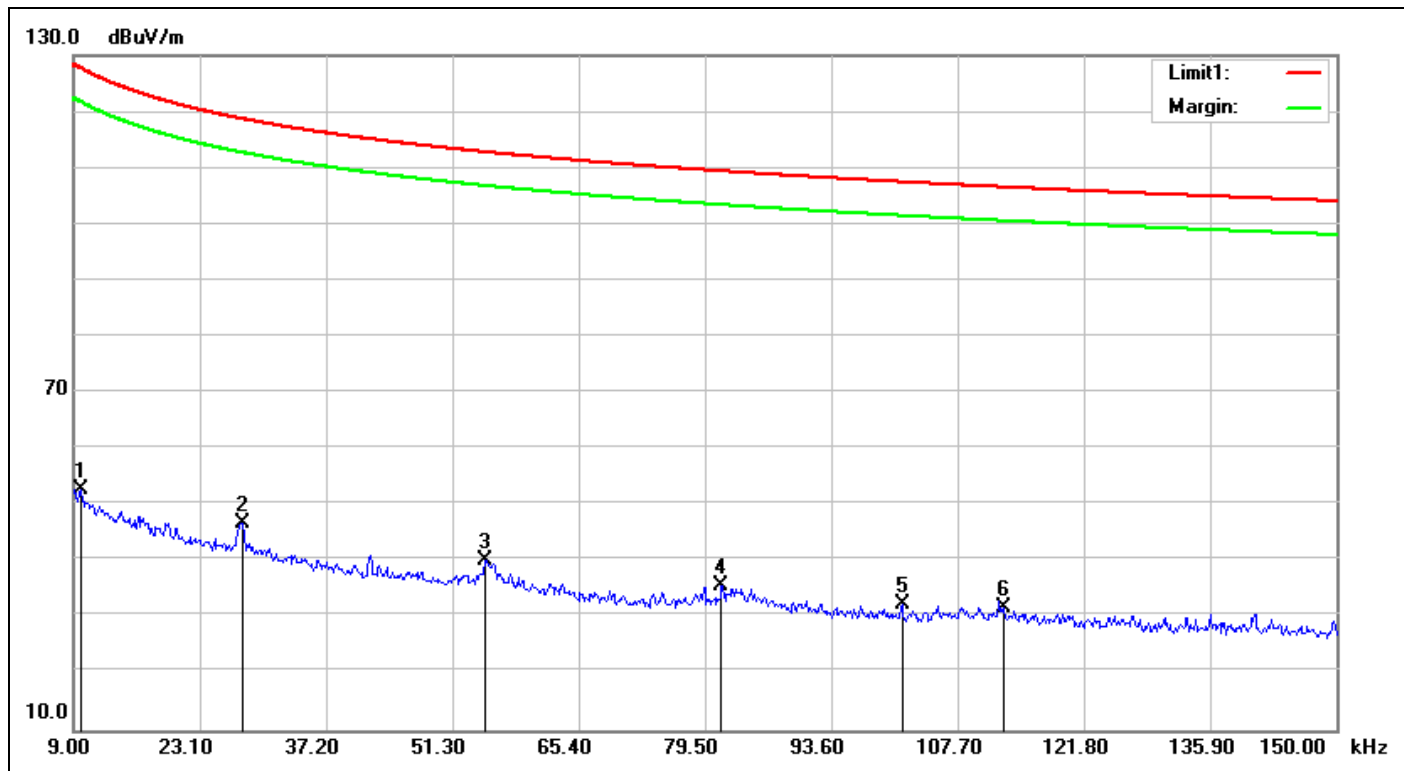
Spurious Emissions, RX Mode, 9k-30M



TUV Rheinland Taiwan Ltd.

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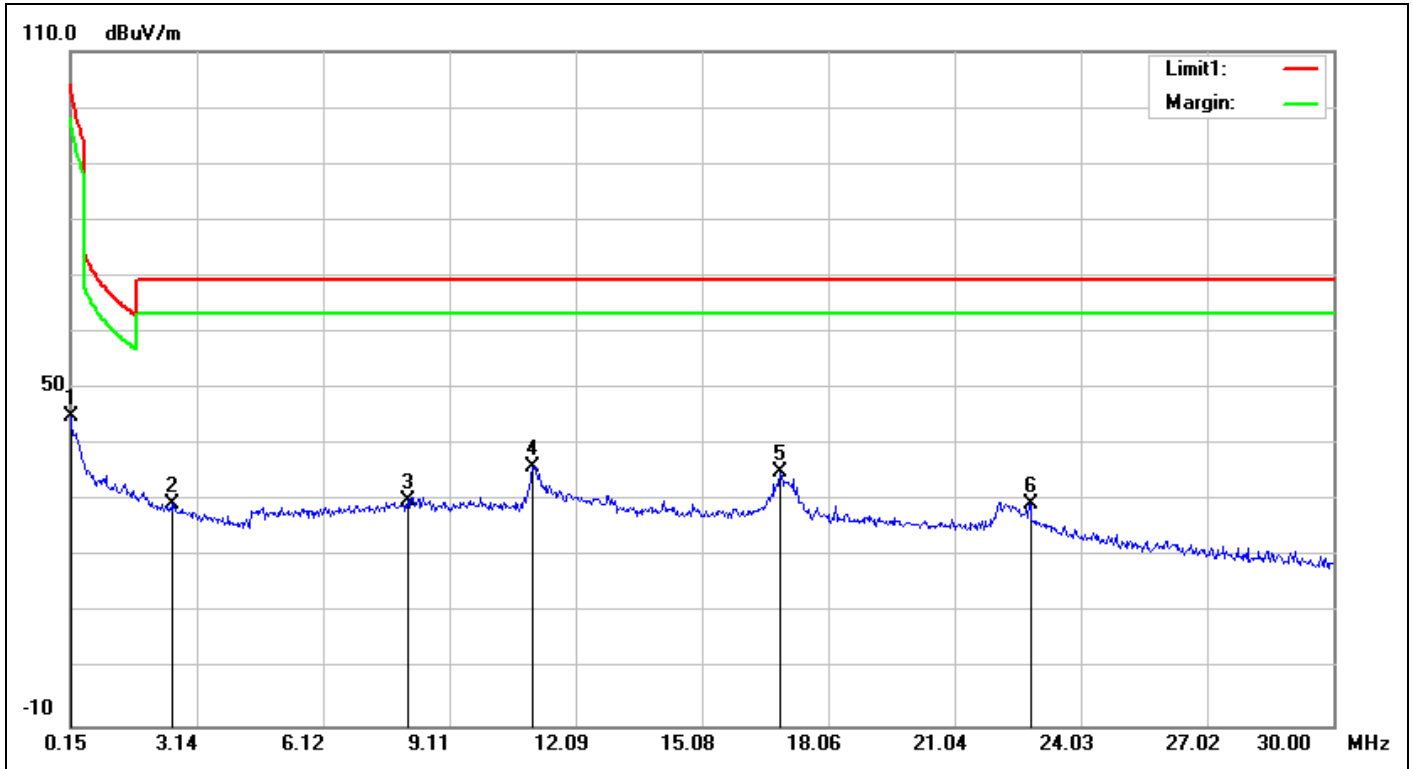
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/11/29 15:01:12
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Geroge Yang
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	19.85	32.81	52.66	127.76	-75.10	QP	100	147	
2	0.0279	20.11	26.77	46.88	118.68	-71.80	QP	100	133	
3	0.0550	19.40	20.69	40.09	112.79	-72.70	QP	100	229	
4	0.0813	19.24	16.53	35.77	109.39	-73.62	QP	100	117	
5	0.1015	19.13	13.37	32.50	107.47	-74.97	QP	100	224	
6	0.1129	19.12	12.56	31.68	106.54	-74.86	QP	100	125	

Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114071117	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/11/29 15:04:37
Applicant:	Dexatek Technology	Test Rating:	DC 5V
Product:	Smart IP Cam	Temp.(°C)/Hum.(%) :	26(°C)/49%
Model No.:	SA-7510	Test Engineer:	Gerorge Yang
Test Mode:	B-2437-RX		
Remark:			

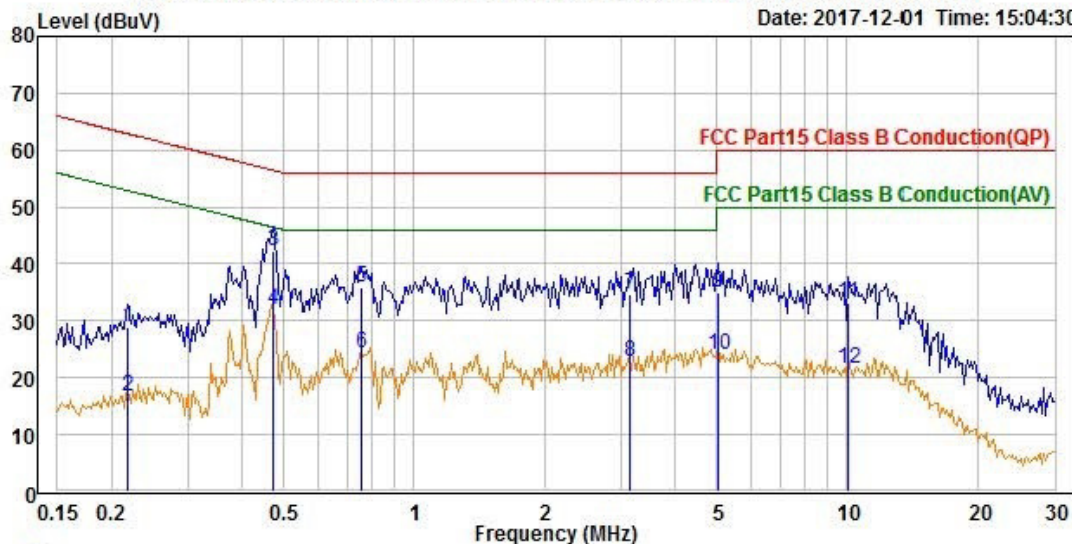
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	25.91	44.99	104.08	-59.09	QP	100	120	
2	2.5679	18.62	10.75	29.37	69.50	-40.13	QP	100	152	
3	8.1199	20.05	9.90	29.95	69.50	-39.55	QP	100	333	
4	11.0751	20.41	15.65	36.06	69.50	-33.44	QP	100	91	
5	16.9257	21.45	13.73	35.18	69.50	-34.32	QP	100	120	
6	22.8360	22.17	7.26	29.43	69.50	-40.07	QP	100	360	

Spurious Emissions, Mains, 150kHz - 30MHz

Mains Spurious Emissions

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Date: 2017-12-01 Time: 15:04:30



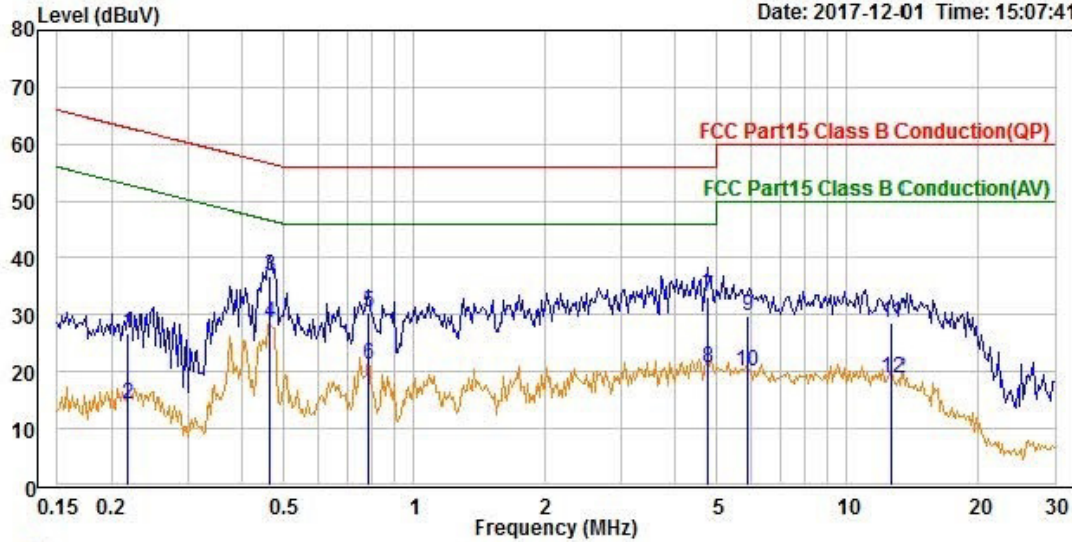
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Dexatek Technology
Product : Smart IP Cam
Model No. : SA-7510
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.4°C / 47%
Memo : (a)WIFI link + Camera

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.219	19.31	9.66	28.97	62.86	-33.89	QP
2	0.219	7.17	9.66	16.83	52.86	-36.03	Average
3	0.471	32.64	9.66	42.30	56.51	-14.21	QP
4	0.471	22.41	9.66	32.07	46.51	-14.44	Average
5	0.758	26.25	9.66	35.91	56.00	-20.09	QP
6	0.758	14.74	9.66	24.40	46.00	-21.60	Average
7	3.141	24.94	9.71	34.65	56.00	-21.35	QP
8	3.141	12.99	9.71	22.70	46.00	-23.30	Average
9	5.062	25.24	9.73	34.97	60.00	-25.03	QP
10	5.062	14.15	9.73	23.88	50.00	-26.12	Average
11	10.052	23.29	9.79	33.08	60.00	-26.92	QP
12	10.052	11.67	9.79	21.46	50.00	-28.54	Average

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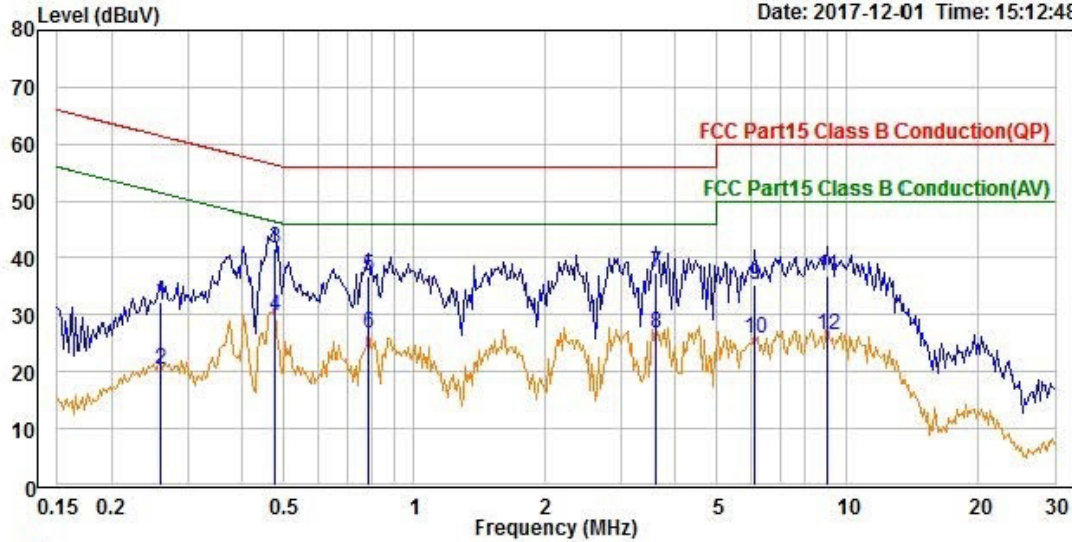
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Dexatek Technology
Product : Smart IP Cam
Model No. : SA-7510
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.4°C / 47%
Memo : (a)WIFI link + Camera

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.219	17.24	9.67	26.91	62.86	-35.95	QP
2	0.219	4.56	9.67	14.23	52.86	-38.63	Average
3	0.466	27.24	9.66	36.90	56.59	-19.69	QP
4	0.466	18.83	9.66	28.49	46.59	-18.10	Average
5	0.781	20.63	9.67	30.30	56.00	-25.70	QP
6	0.781	11.63	9.67	21.30	46.00	-24.70	Average
7	4.769	23.48	9.73	33.21	56.00	-22.79	QP
8	4.769	10.96	9.73	20.69	46.00	-25.31	Average
9	5.876	20.03	9.75	29.78	60.00	-30.22	QP
10	5.876	10.30	9.75	20.05	50.00	-29.95	Average
11	12.634	18.71	9.83	28.54	60.00	-31.46	QP
12	12.634	9.02	9.83	18.85	50.00	-31.15	Average

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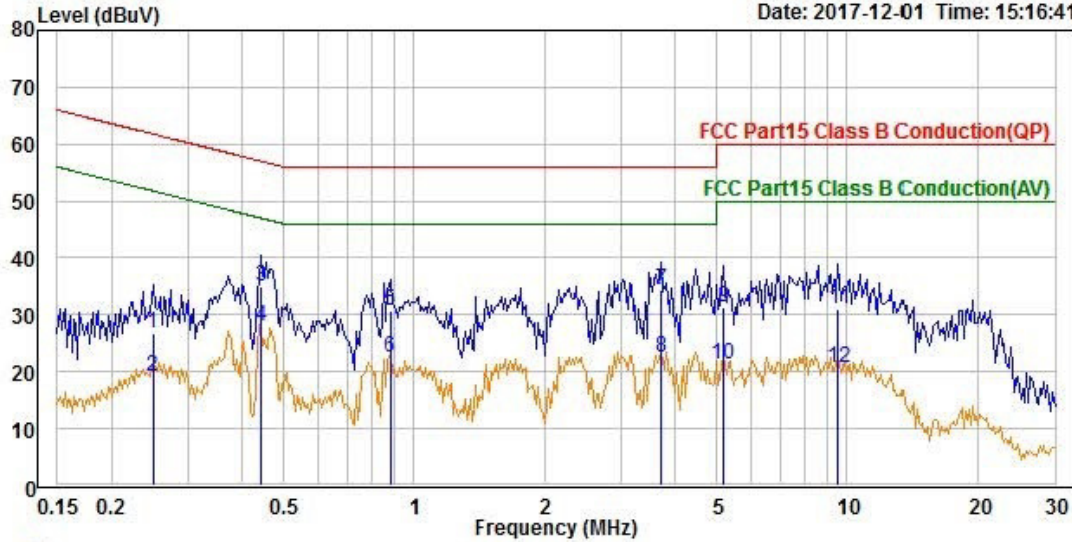
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Dexatek Technology
Product : Smart IP Cam
Model No. : SA-7510
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.4°C / 47%
Memo : (a)WIFI link + Camera

	Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.259	22.56	9.66	32.22	61.46	-29.24	QP
2	0.259	10.63	9.66	20.29	51.46	-31.17	Average
3	0.475	31.86	9.66	41.52	56.42	-14.90	QP
4	0.475	20.28	9.66	29.94	46.42	-16.48	Average
5	0.781	27.16	9.66	36.82	56.00	-19.18	QP
6	0.781	17.00	9.66	26.66	46.00	-19.34	Average
7	3.611	27.82	9.71	37.53	56.00	-18.47	QP
8	3.611	16.95	9.71	26.66	46.00	-19.34	Average
9	6.115	25.60	9.74	35.34	60.00	-24.66	QP
10	6.115	16.16	9.74	25.90	50.00	-24.10	Average
11	9.010	26.89	9.78	36.67	60.00	-23.33	QP
12	9.010	16.81	9.78	26.59	50.00	-23.41	Average

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Date: 2017-12-01 Time: 15:16:41



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Dexatek Technology
Product : Smart IP Cam
Model No. : SA-7510
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.4°C / 47%
Memo : (a)WIFI link + Camera

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.249	17.21	9.67	26.88	61.79	-34.91	QP
2	0.249	9.49	9.67	19.16	51.79	-32.63	Average
3	0.443	25.28	9.66	34.94	57.00	-22.06	QP
4	0.443	18.33	9.66	27.99	47.00	-19.01	Average
5	0.880	20.92	9.67	30.59	56.00	-25.41	QP
6	0.880	12.98	9.67	22.65	46.00	-23.35	Average
7	3.720	24.55	9.72	34.27	56.00	-21.73	QP
8	3.720	12.92	9.72	22.64	46.00	-23.36	Average
9	5.164	21.46	9.74	31.20	60.00	-28.80	QP
10	5.164	11.48	9.74	21.22	50.00	-28.78	Average
11	9.564	21.07	9.81	30.88	60.00	-29.12	QP
12	9.564	10.76	9.81	20.57	50.00	-29.43	Average