

Test Report No.50175259

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50175259 001AppendixD)

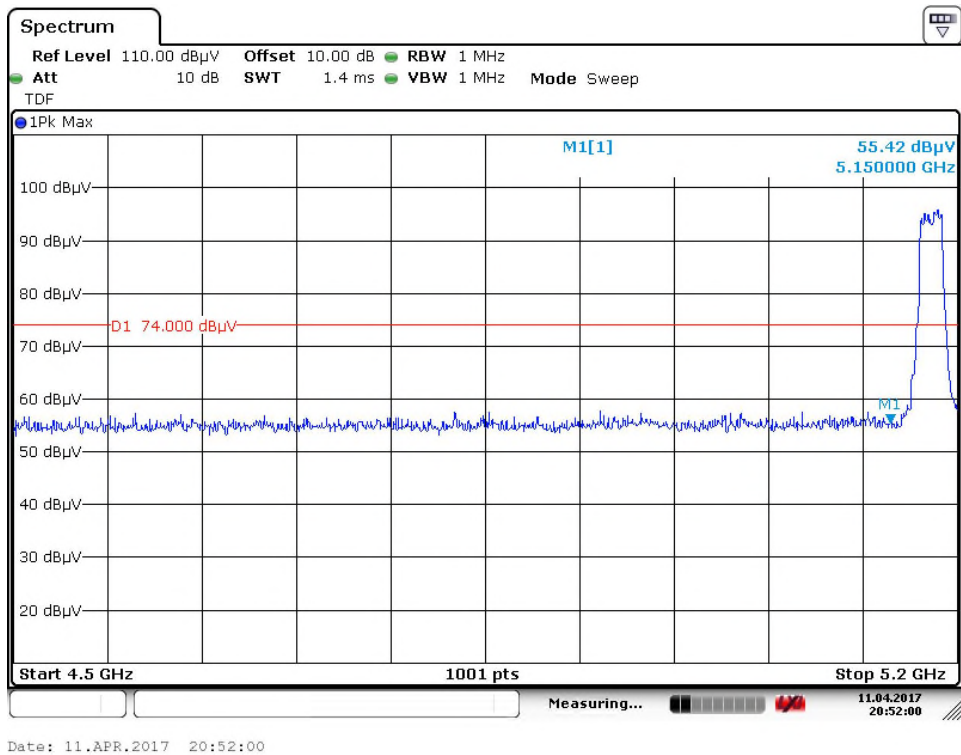
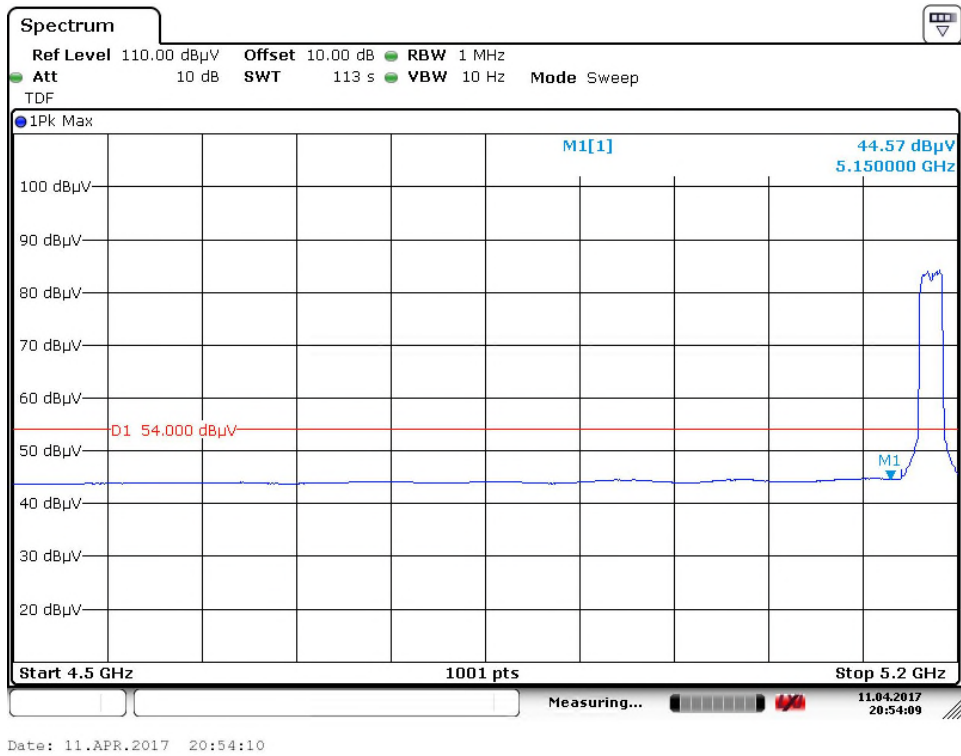
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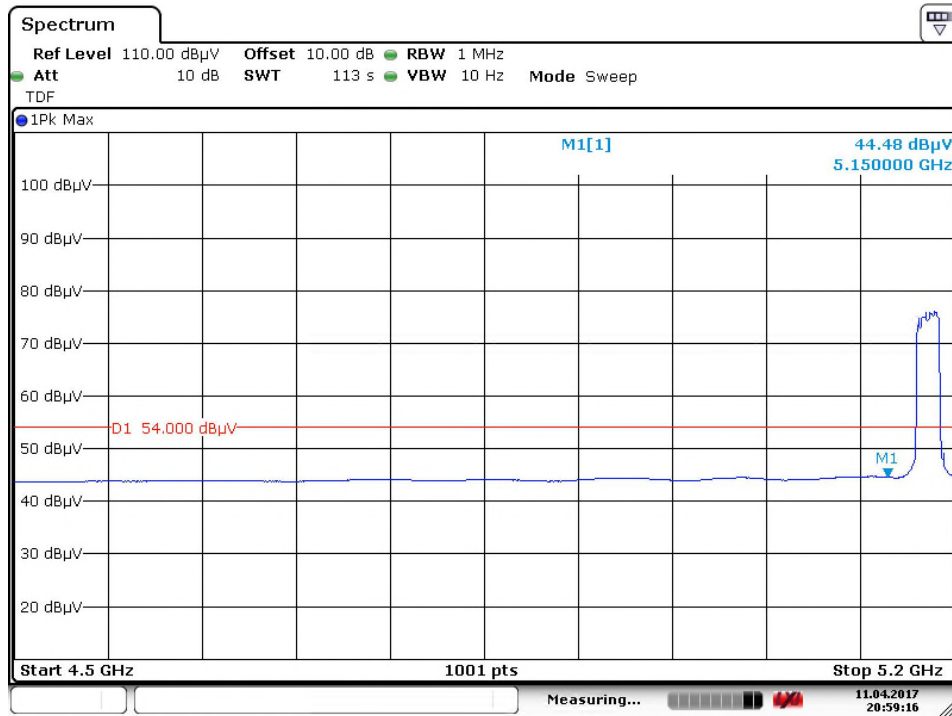
Spurious Emissions, Band Edges, 4.5-5.2G

11a

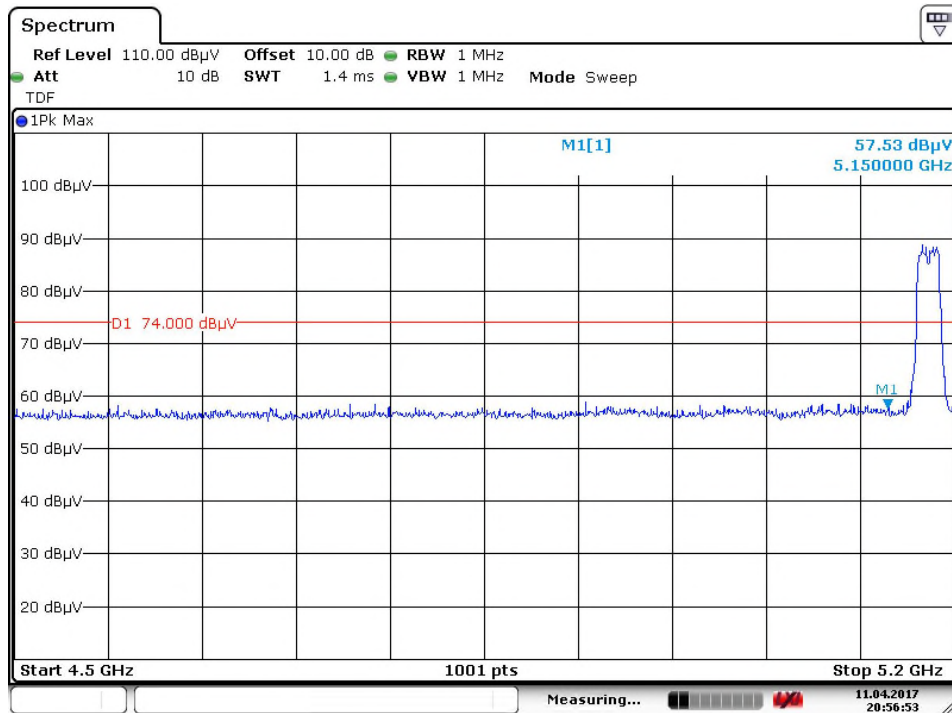
Low Channel (Hor) 5180



Low Channel (Ver) 5180



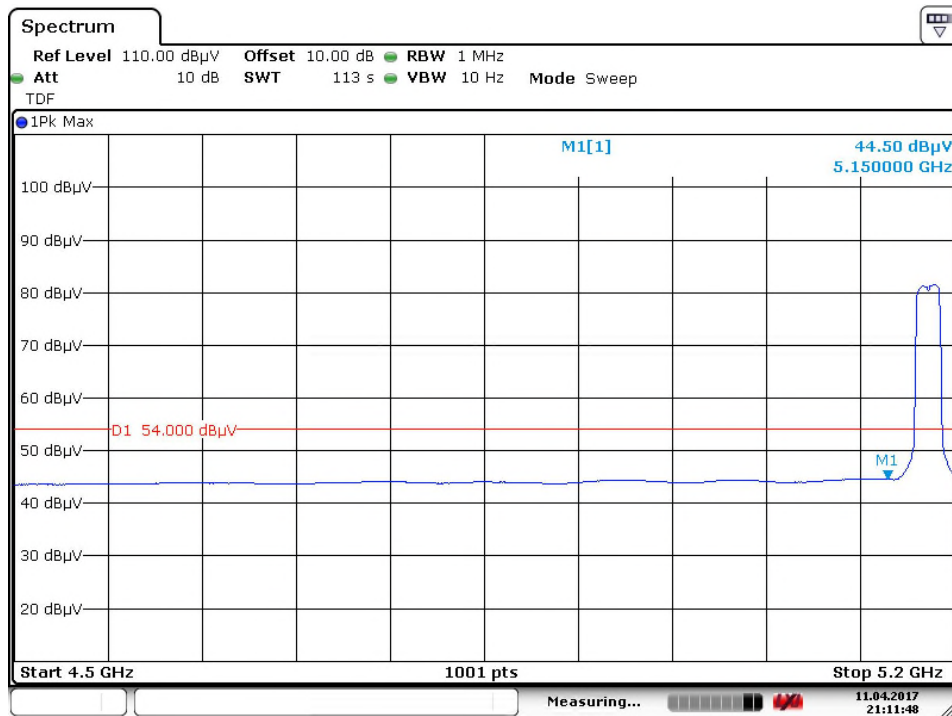
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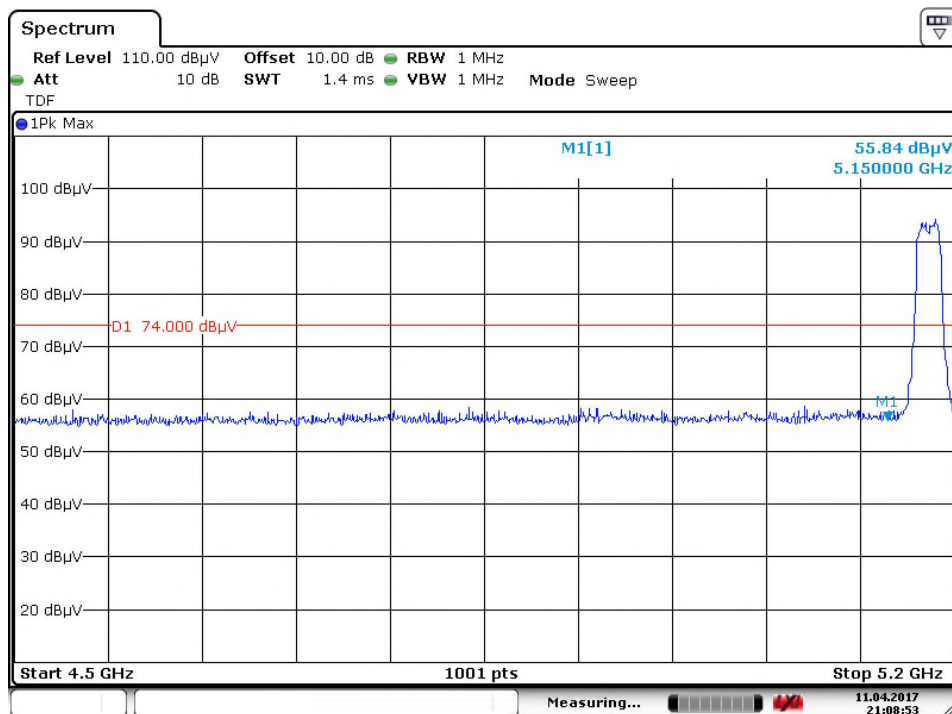
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11N20

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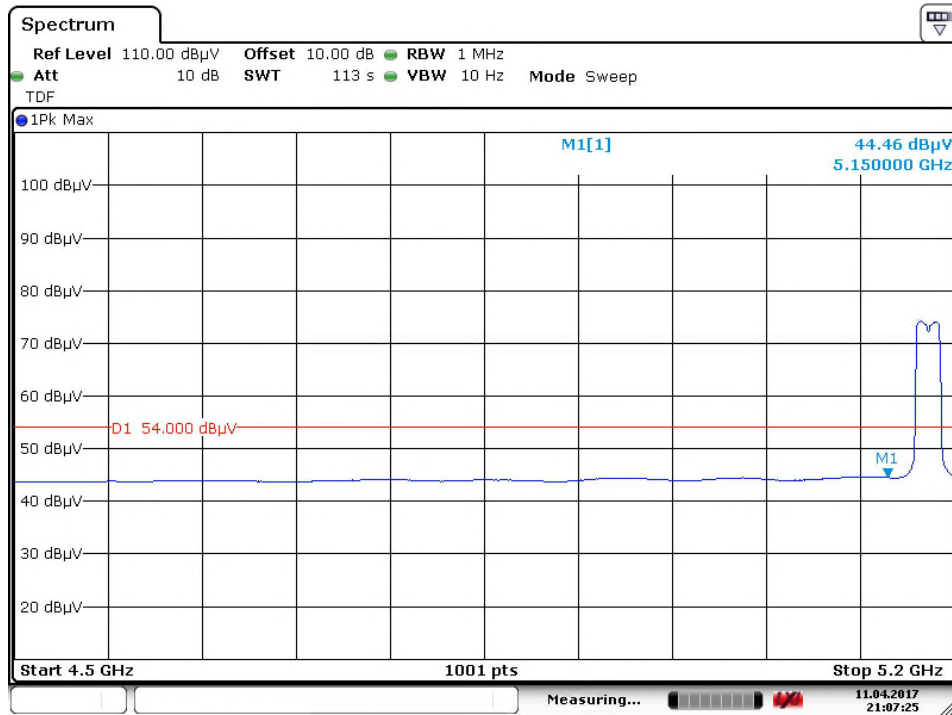


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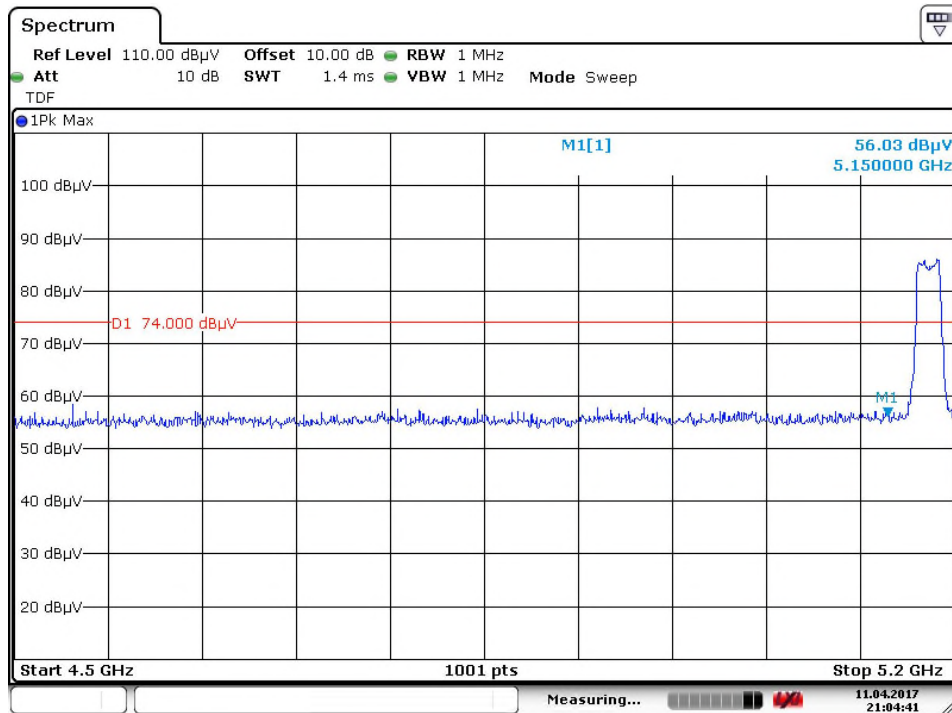


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Low Channel (Ver) 5180



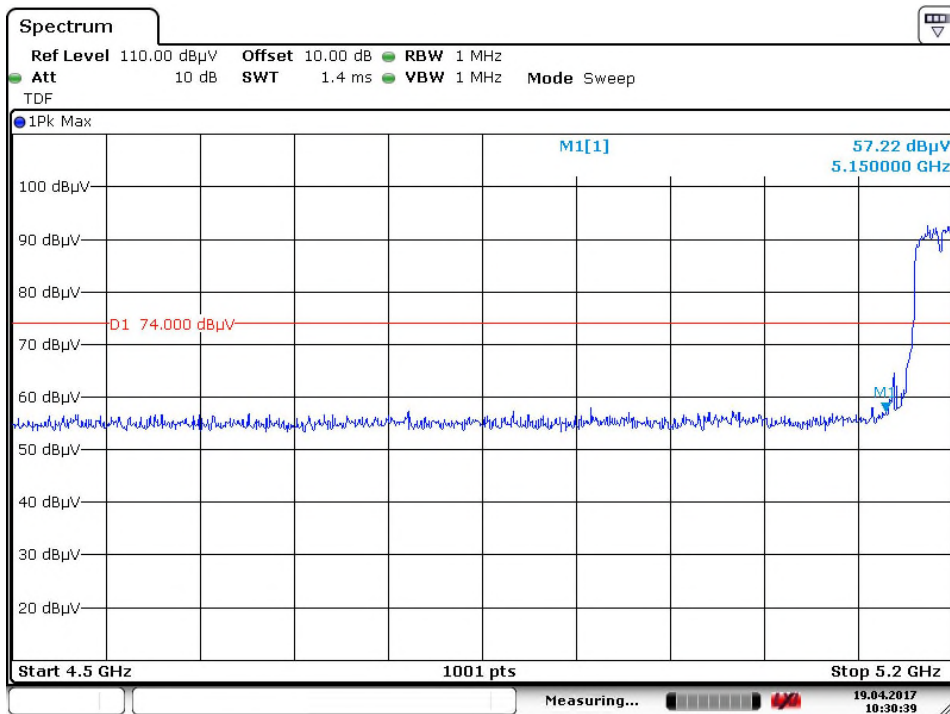
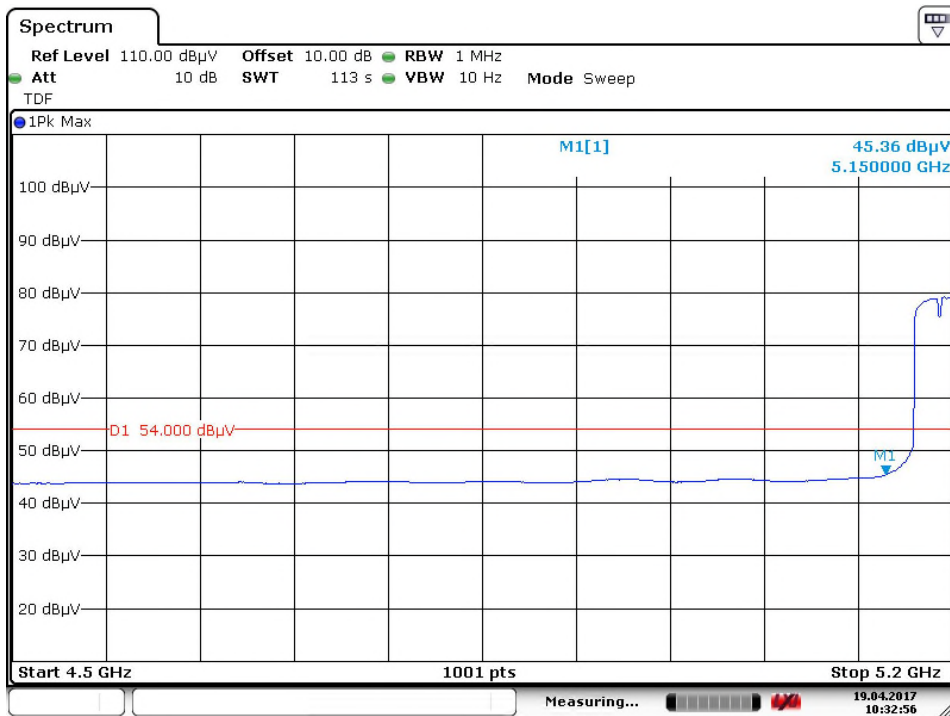
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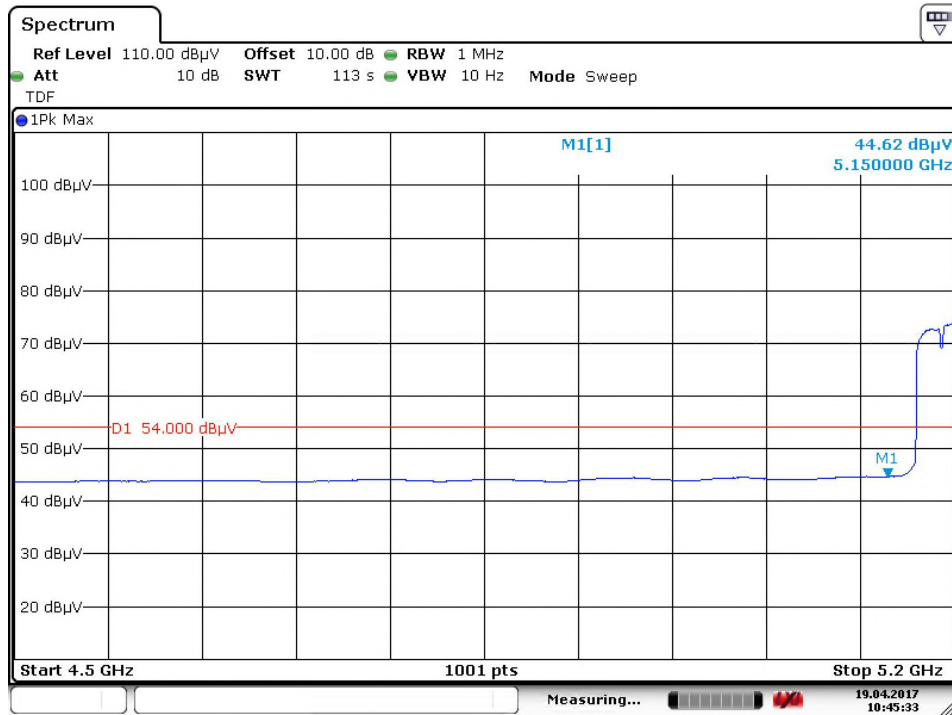
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11N40

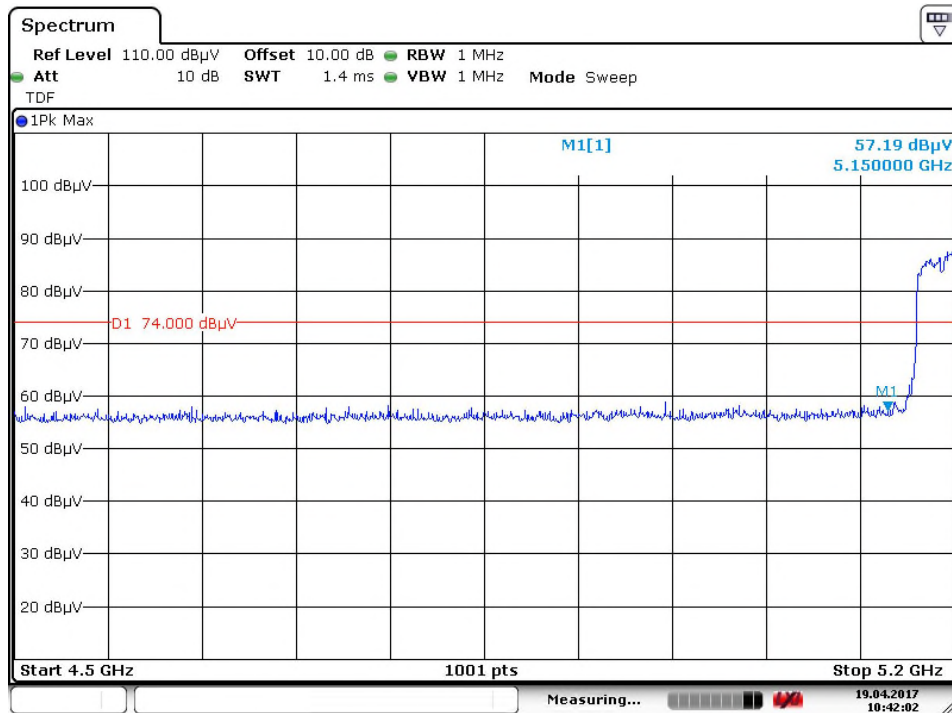
Low Channel (Hor) 5190



Low Channel (Ver) 5190



Date: 19.APR.2017 10:45:34



Date: 19.APR.2017 10:42:01

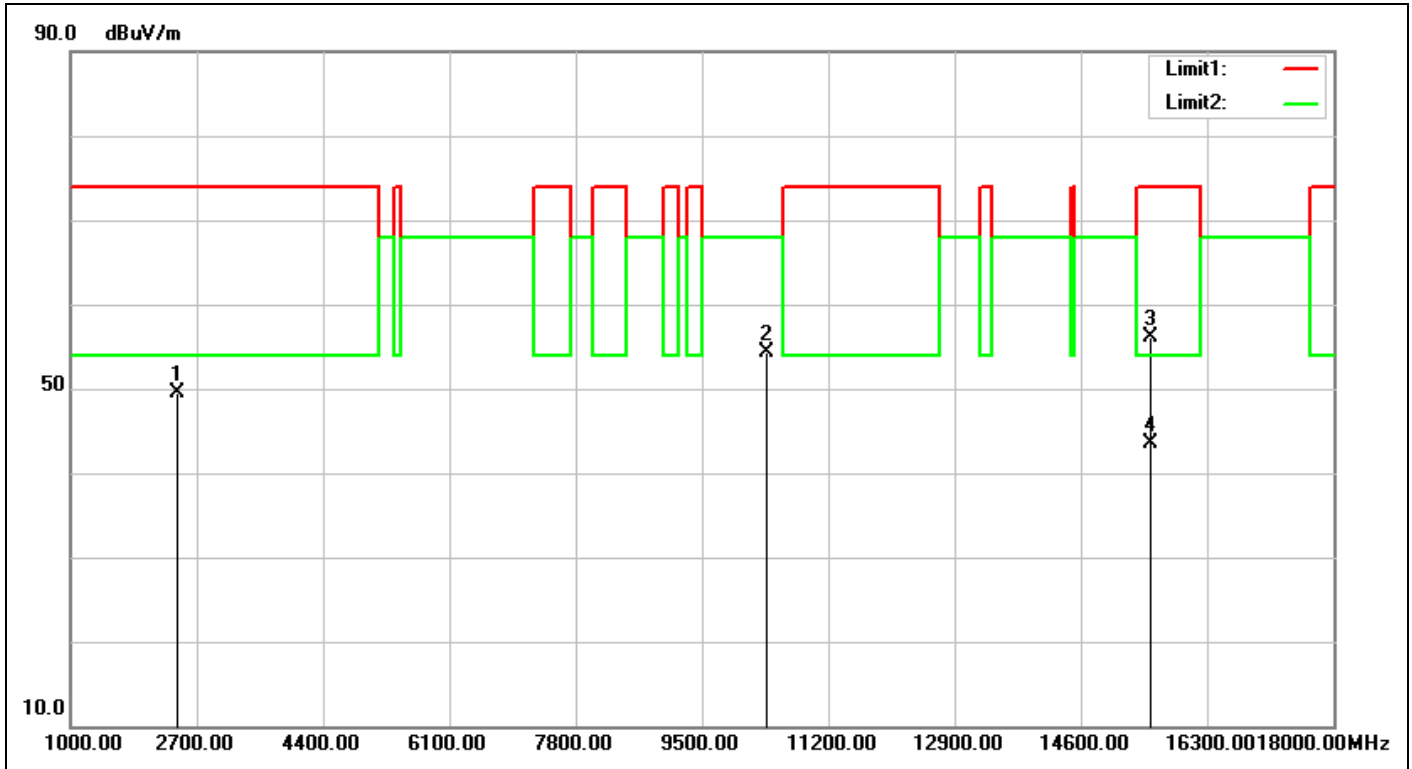
Spurious Emissions, TX Mode, 1-18G , 5150-5250MHz



TUV Taiwan

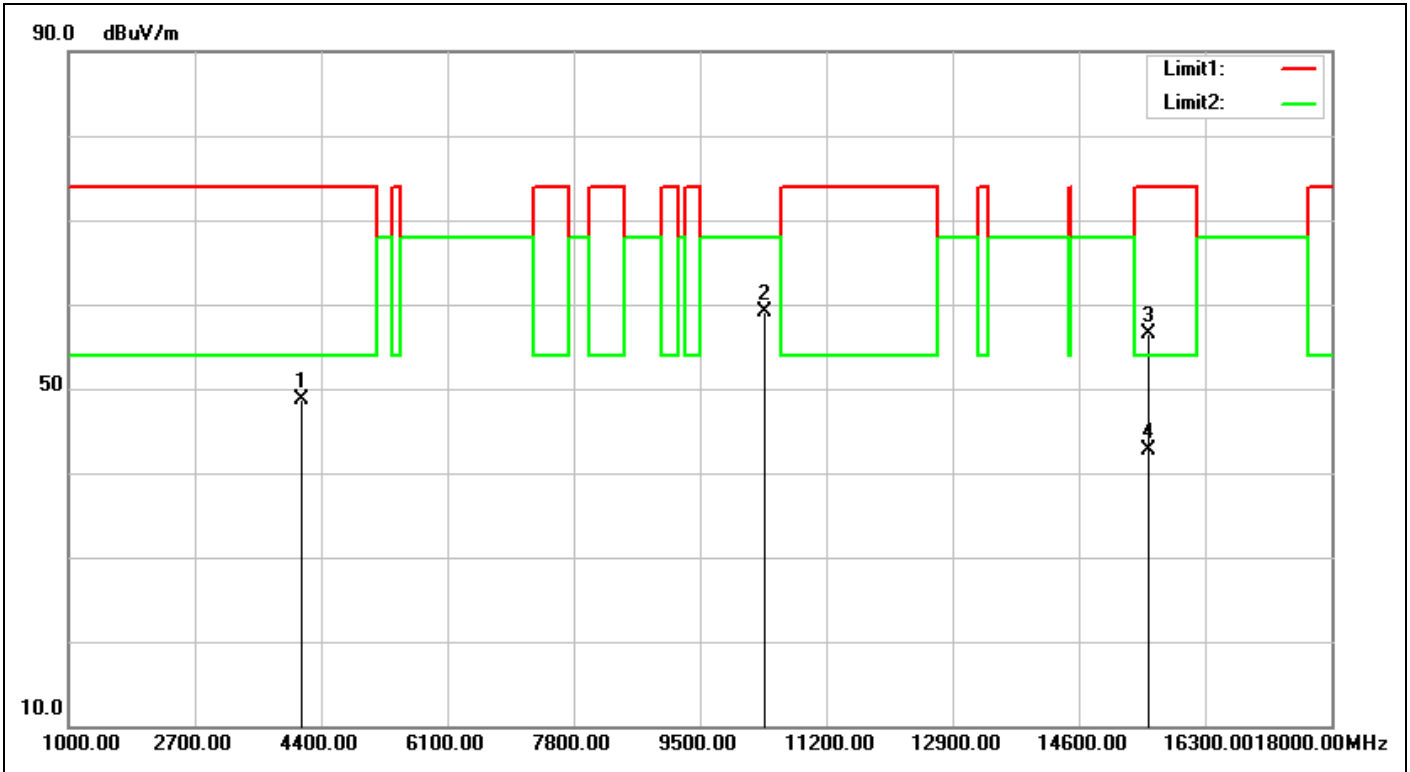
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



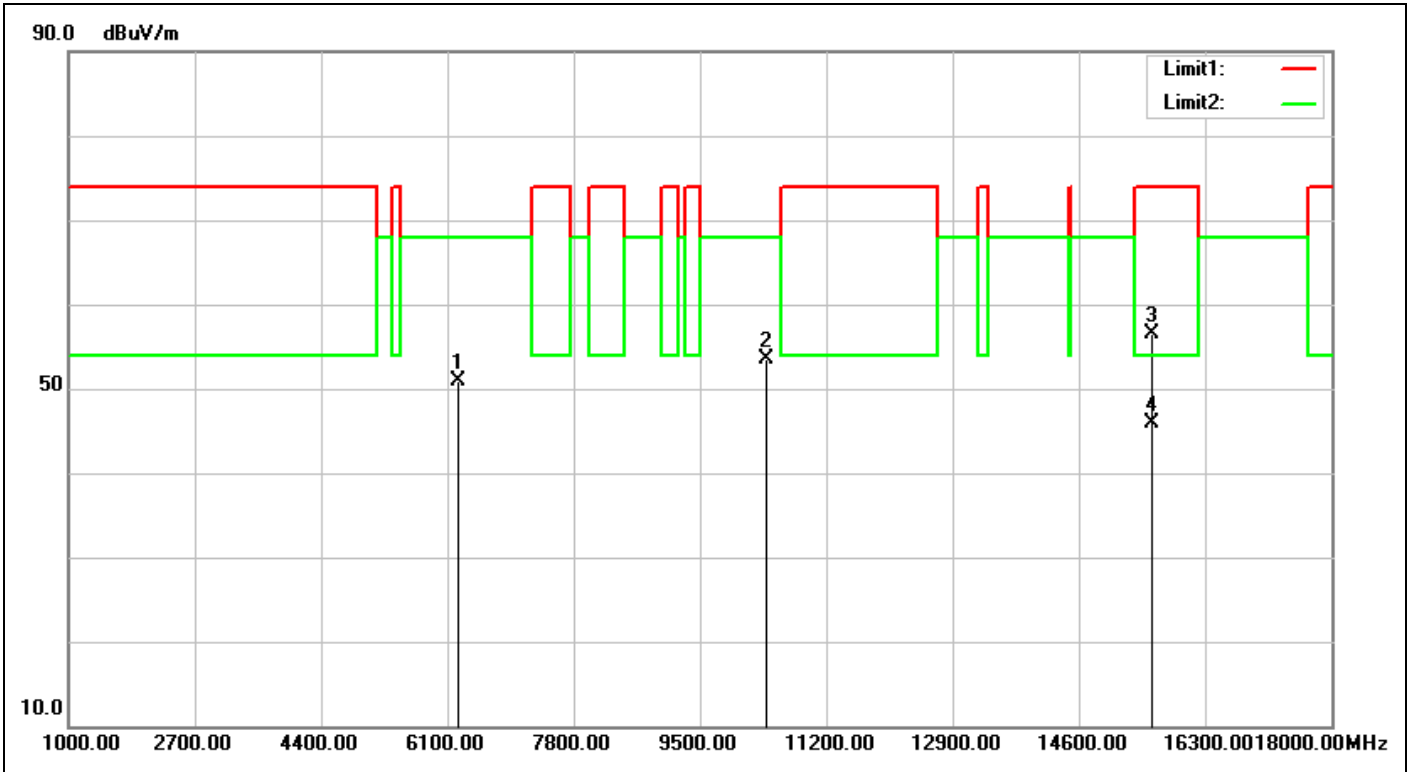
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:28:48
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2445.000	-6.15	55.60	49.45	74.00	-24.55	peak	100	17	
2	10360.000	5.87	48.39	54.26	68.00	-13.74	peak			
3	15540.000	12.38	43.79	56.17	74.00	-17.83	peak			
4	15540.000	12.38	31.22	43.60	54.00	-10.40	AVG			



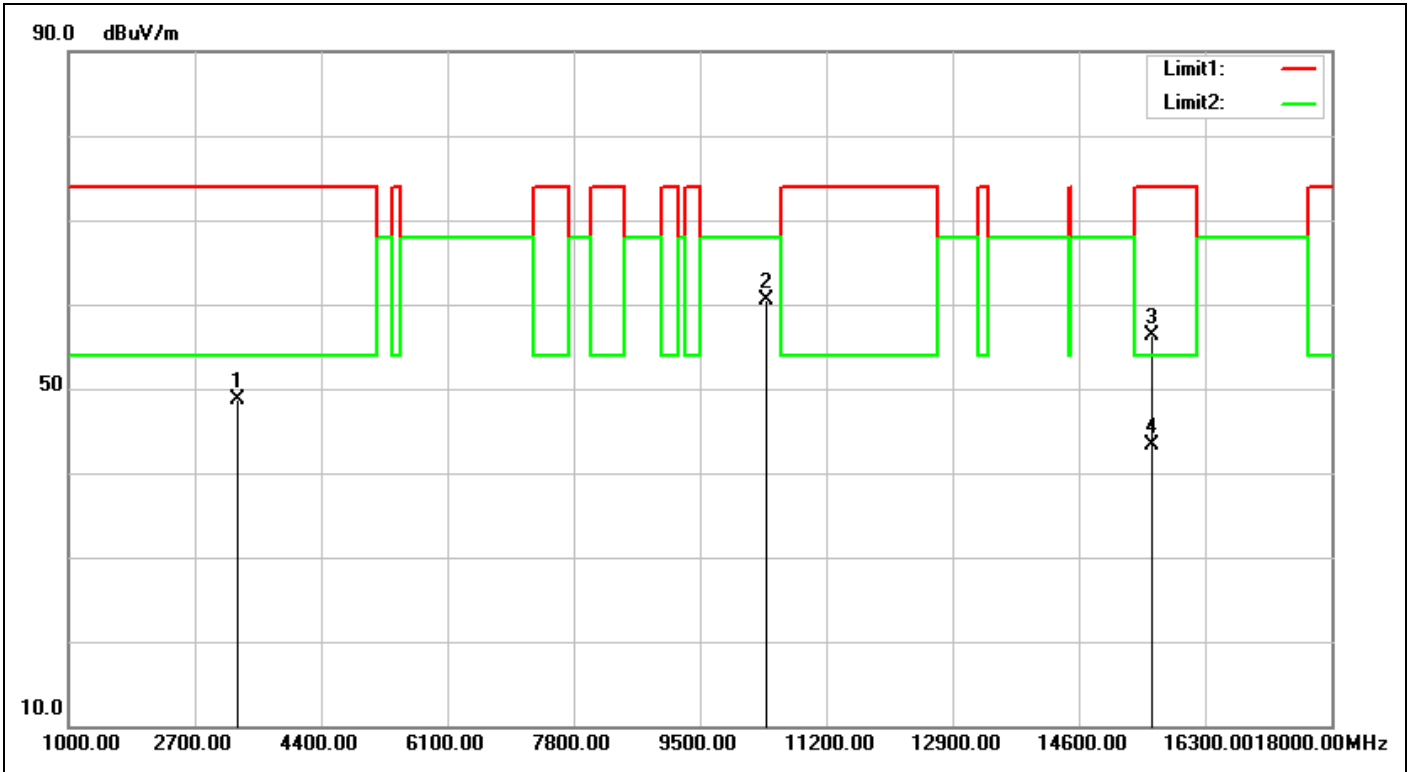
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:29:50
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-3.31	51.94	48.63	74.00	-25.37	peak	100	297	
2	10360.000	5.87	53.17	59.04	68.00	-8.96	peak			
3	15540.000	12.38	44.04	56.42	74.00	-17.58	peak			
4	15540.000	12.38	30.42	42.80	54.00	-11.20	AVG			



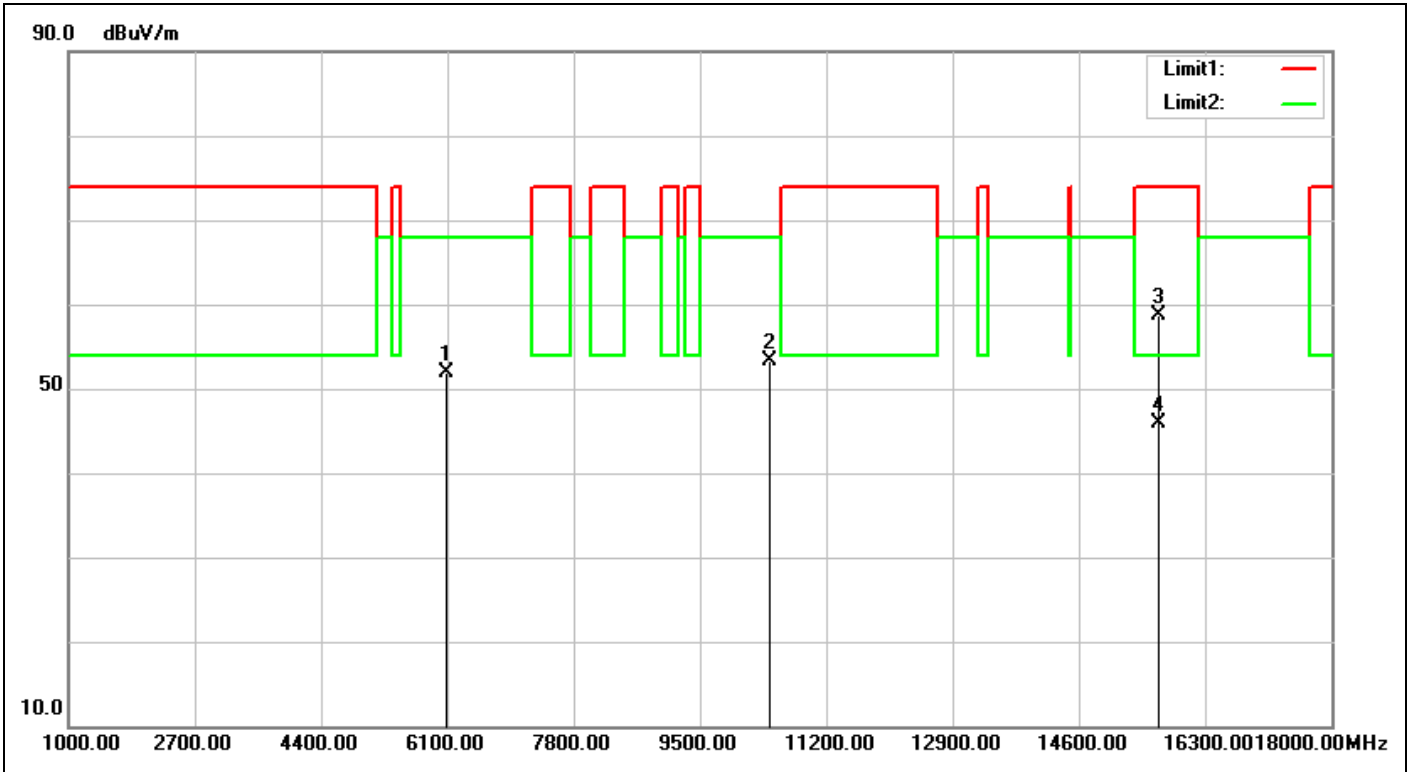
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:32:20
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6253.000	5.49	45.35	50.84	68.00	-17.16	peak	100	331	
2	10400.000	5.84	47.73	53.57	68.00	-14.43	peak			
3	15600.000	12.65	43.94	56.59	74.00	-17.41	peak			
4	15600.000	12.65	33.33	45.98	54.00	-8.02	AVG			



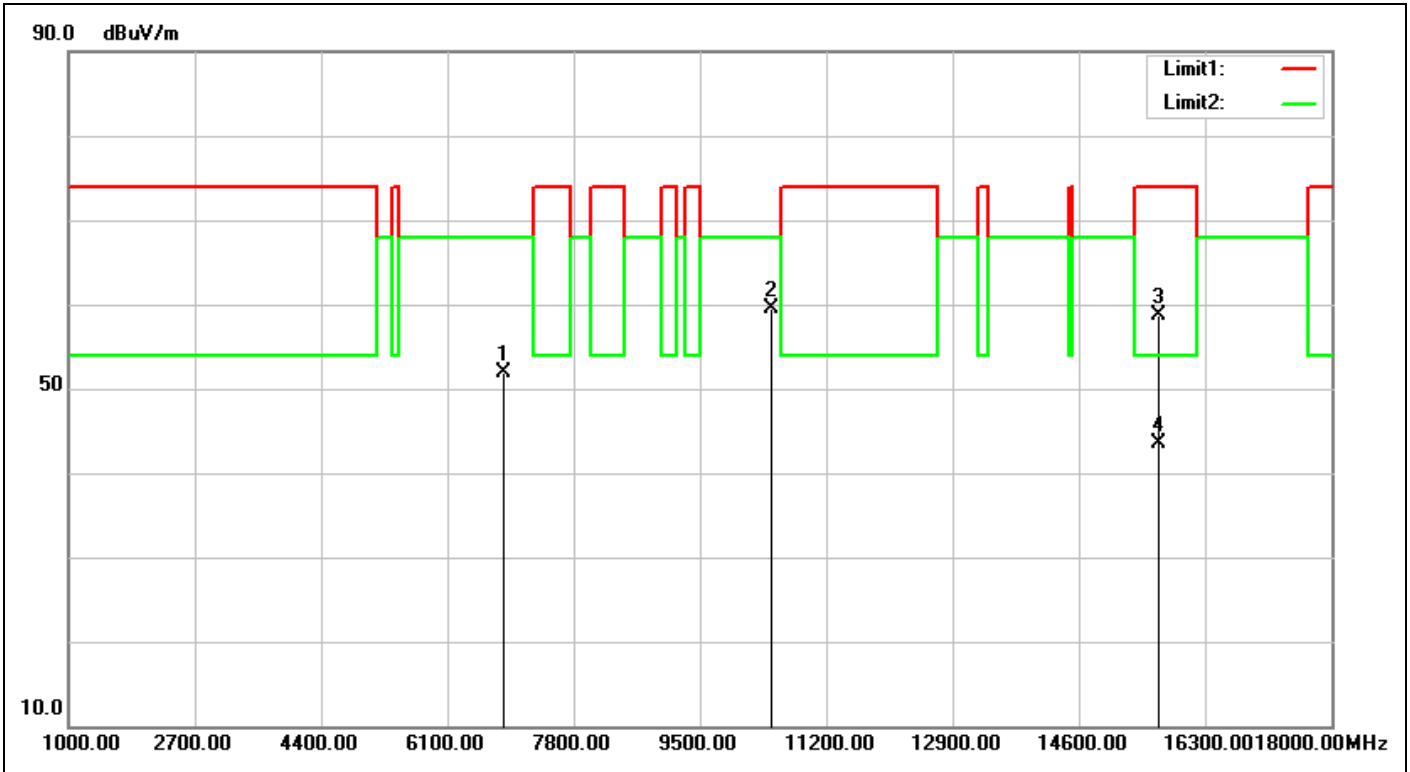
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Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3278.000	-5.03	53.65	48.62	74.00	-25.38	peak	100	165	
2	10400.000	5.84	54.65	60.49	68.00	-7.51	peak			
3	15600.000	12.65	43.59	56.24	74.00	-17.76	peak			
4	15600.000	12.65	30.67	43.32	54.00	-10.68	AVG			



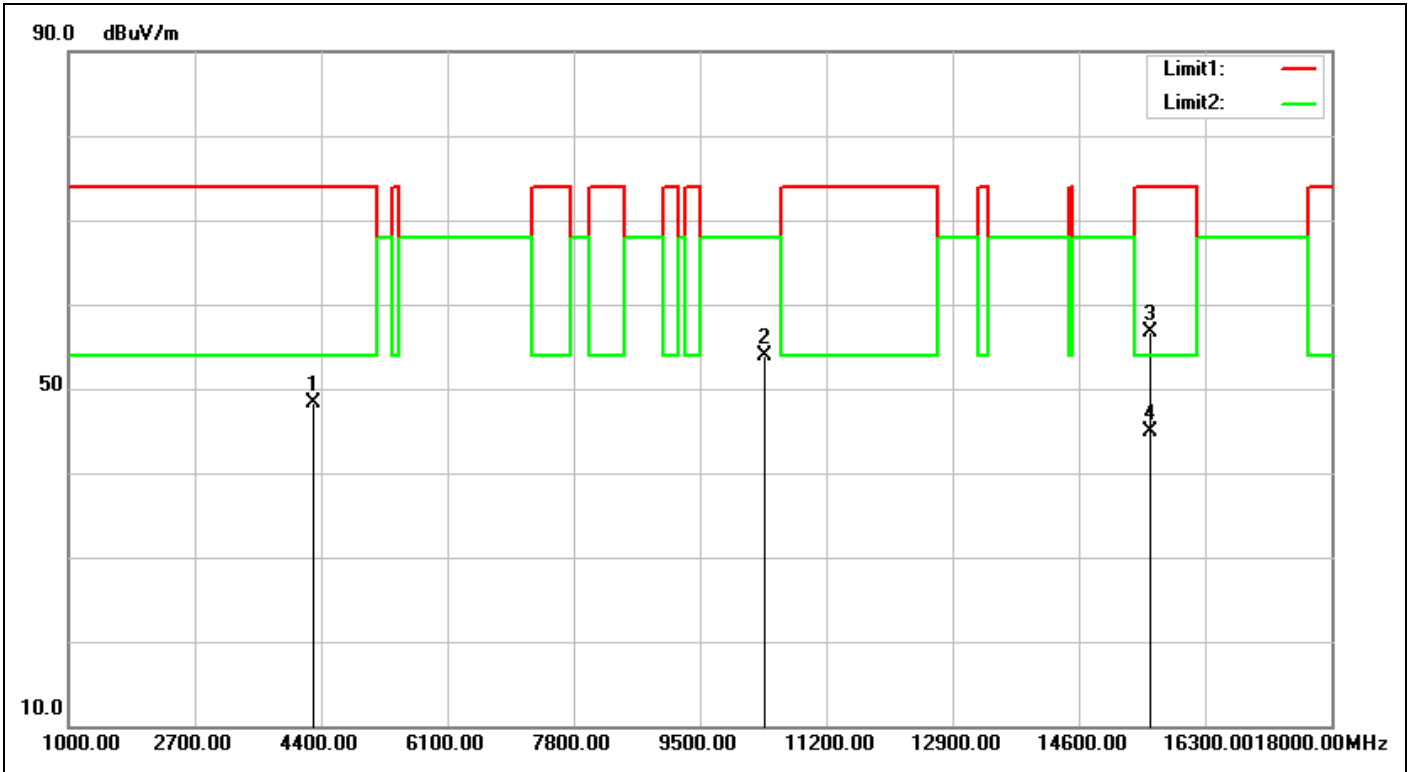
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Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6083.000	4.94	46.93	51.87	68.00	-16.13	peak	100	103	
2	10440.000	5.79	47.47	53.26	68.00	-14.74	peak			
3	15660.000	12.92	45.70	58.62	74.00	-15.38	peak			
4	15660.000	12.92	32.89	45.81	54.00	-8.19	AVG			



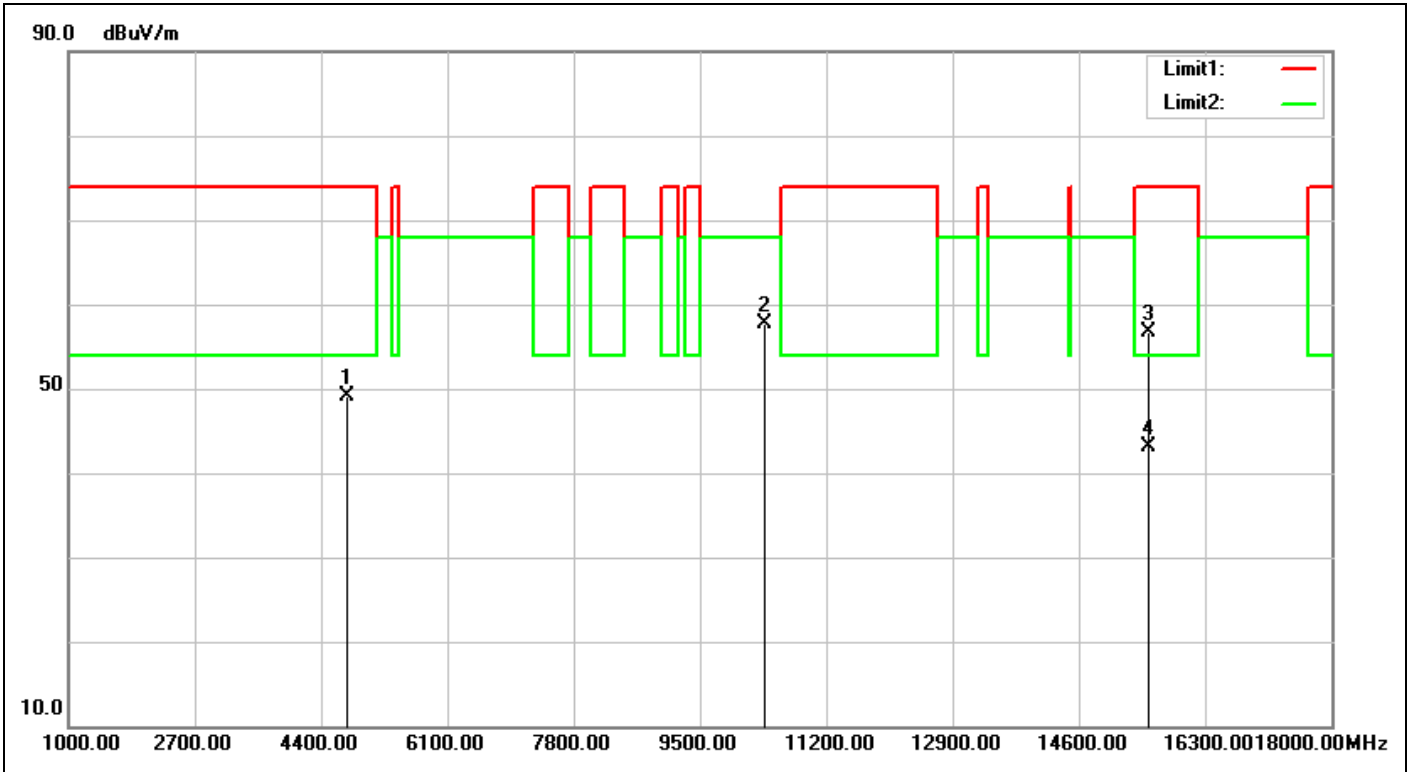
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Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6865.000	5.88	46.10	51.98	68.00	-16.02	peak	100	352	
2	10440.000	5.79	53.70	59.49	68.00	-8.51	peak			
3	15660.000	12.92	45.71	58.63	74.00	-15.37	peak			
4	15660.000	12.92	30.64	43.56	54.00	-10.44	AVG			



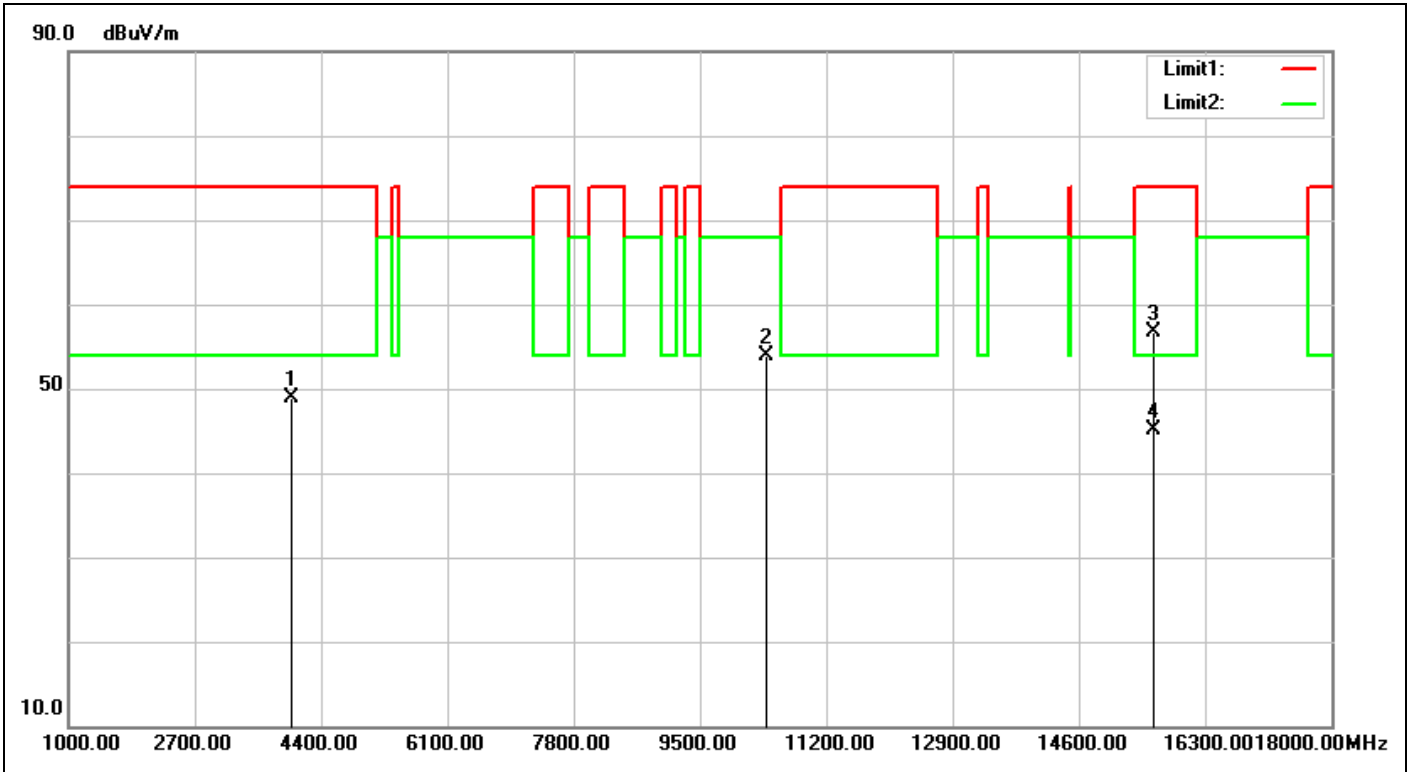
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:15:44
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4298.000	-2.74	51.13	48.39	74.00	-25.61	peak			
2	10360.000	5.87	47.94	53.81	68.00	-14.19	peak			
3	15540.000	12.38	44.42	56.80	74.00	-17.20	peak			
4	15540.000	12.38	32.52	44.90	54.00	-9.10	AVG			



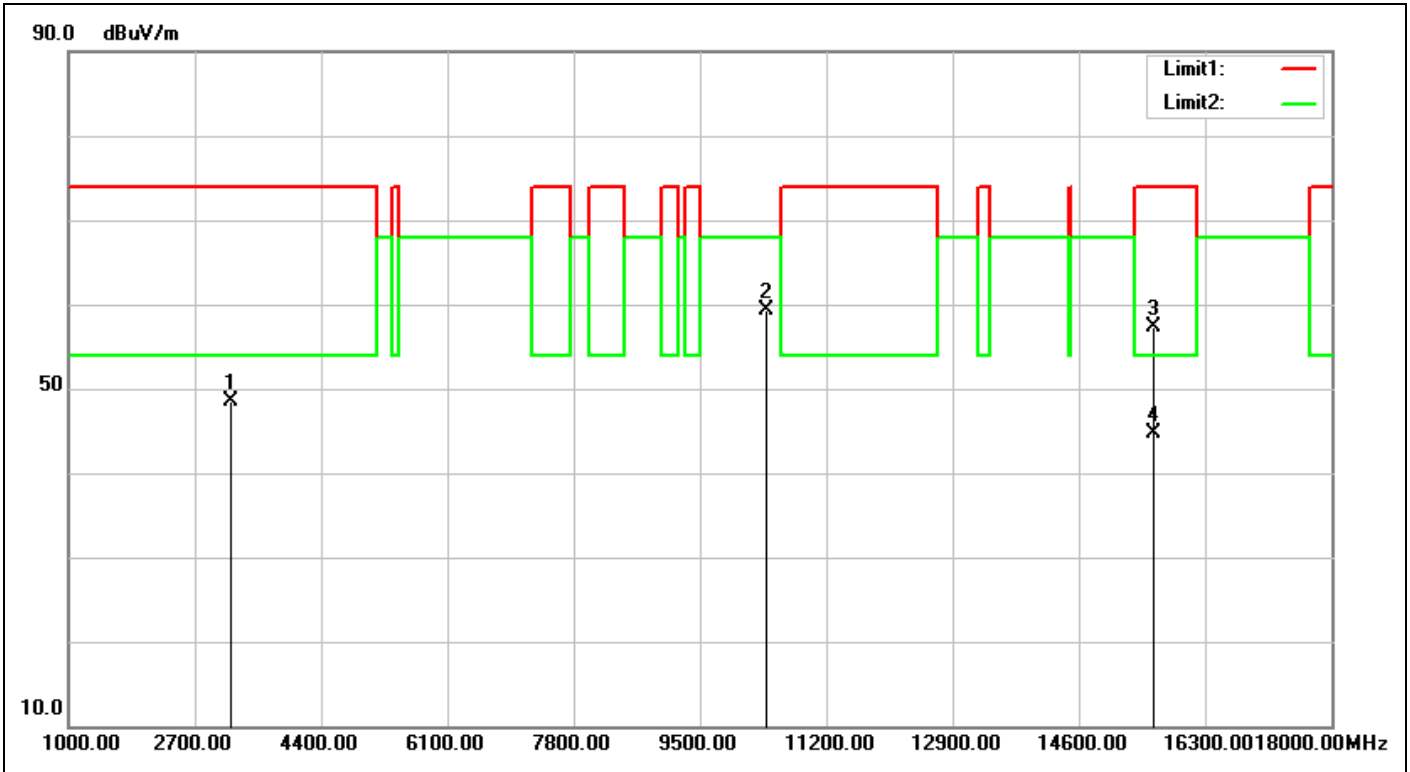
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:16:47
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.72	50.74	49.02	74.00	-24.98	peak	100	0	
2	10360.000	5.87	51.93	57.80	68.00	-10.20	peak			
3	15540.000	12.38	44.42	56.80	74.00	-17.20	peak			
4	15540.000	12.38	30.82	43.20	54.00	-10.80	AVG			



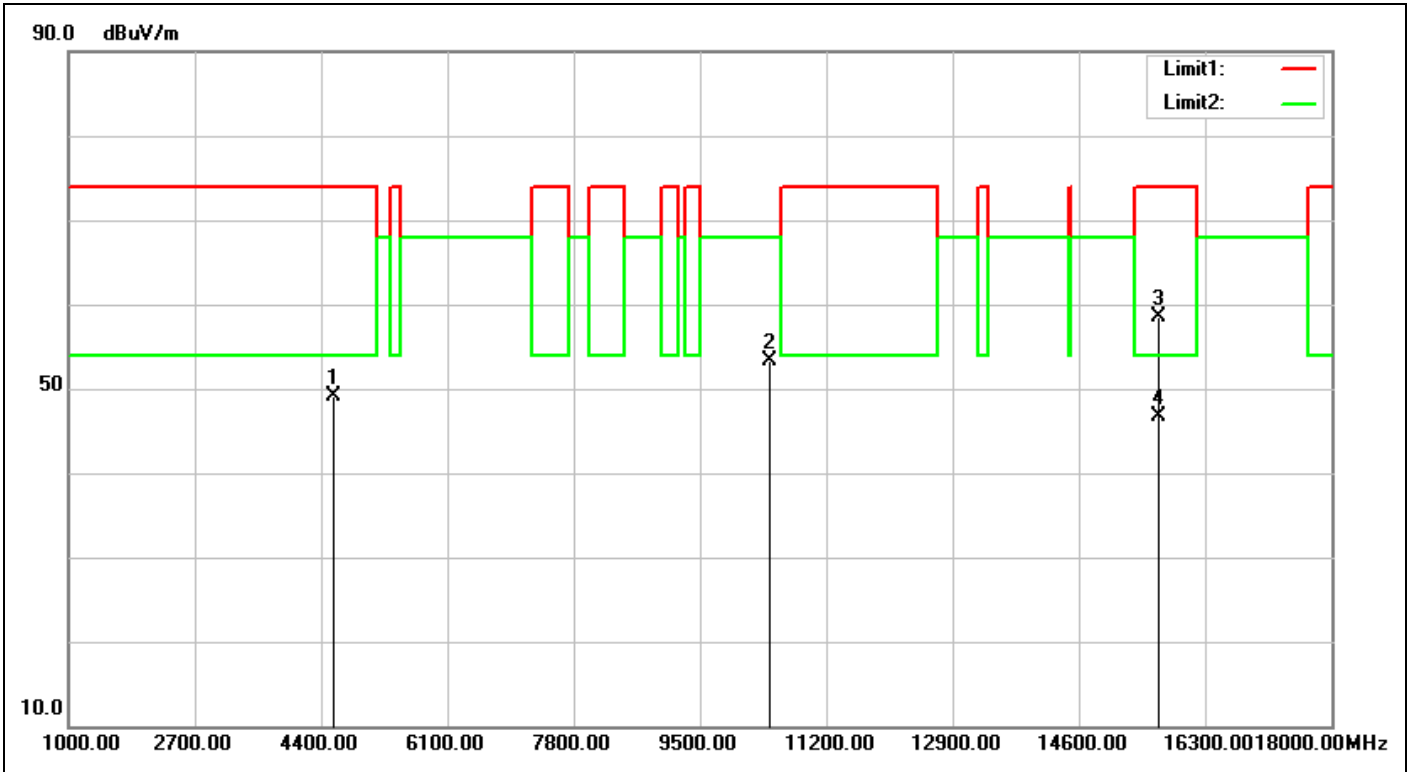
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
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Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3992.000	-3.85	52.71	48.86	74.00	-25.14	peak	100	135	
2	10400.000	5.84	48.11	53.95	68.00	-14.05	peak			
3	15600.000	12.65	44.15	56.80	74.00	-17.20	peak			
4	15600.000	12.65	32.45	45.10	54.00	-8.90	AVG			



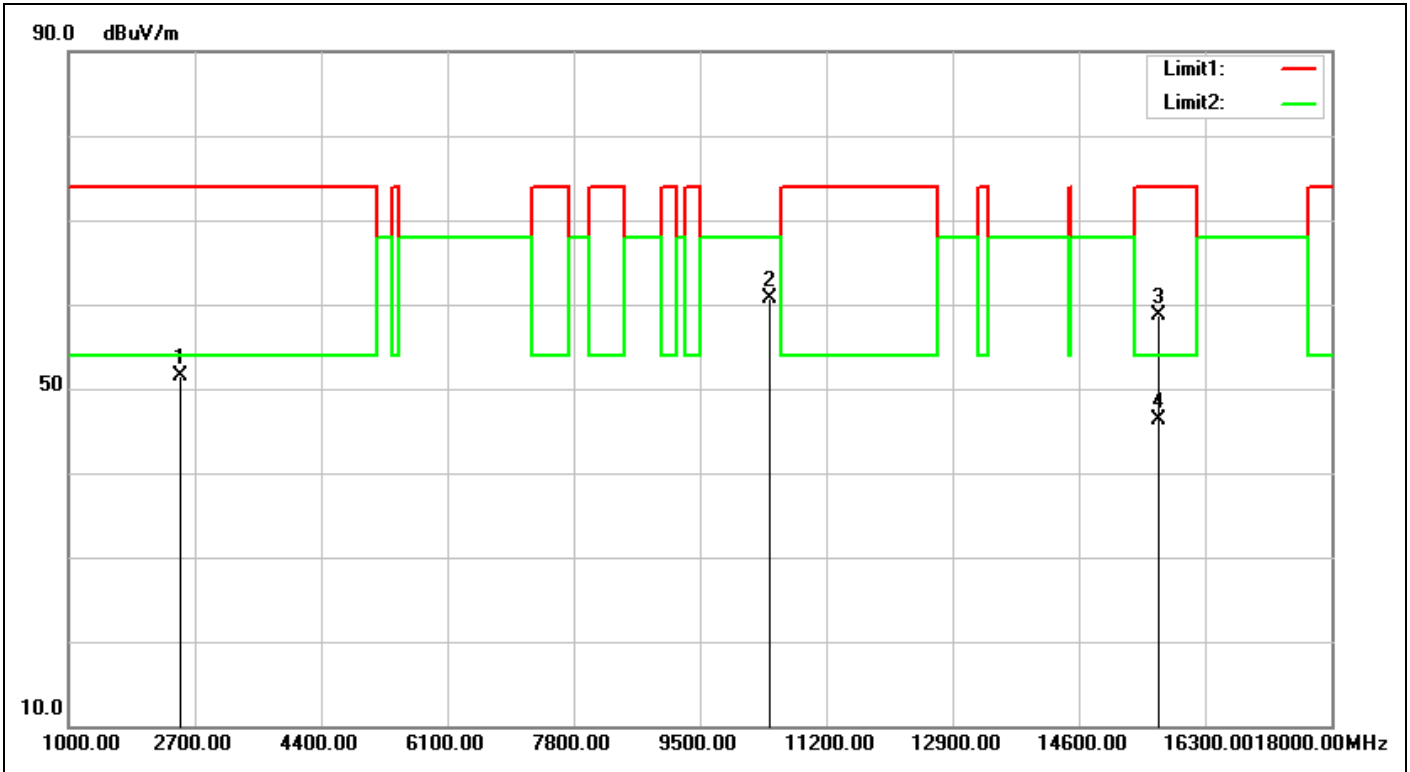
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Test item:	Radiation Emission	Test Time:	2017/3/9 20:20:20
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3193.000	-5.12	53.55	48.43	74.00	-25.57	peak	100	320	
2	10400.000	5.84	53.50	59.34	68.00	-8.66	peak			
3	15600.000	12.65	44.57	57.22	74.00	-16.78	peak			
4	15600.000	12.65	32.05	44.70	54.00	-9.30	AVG			



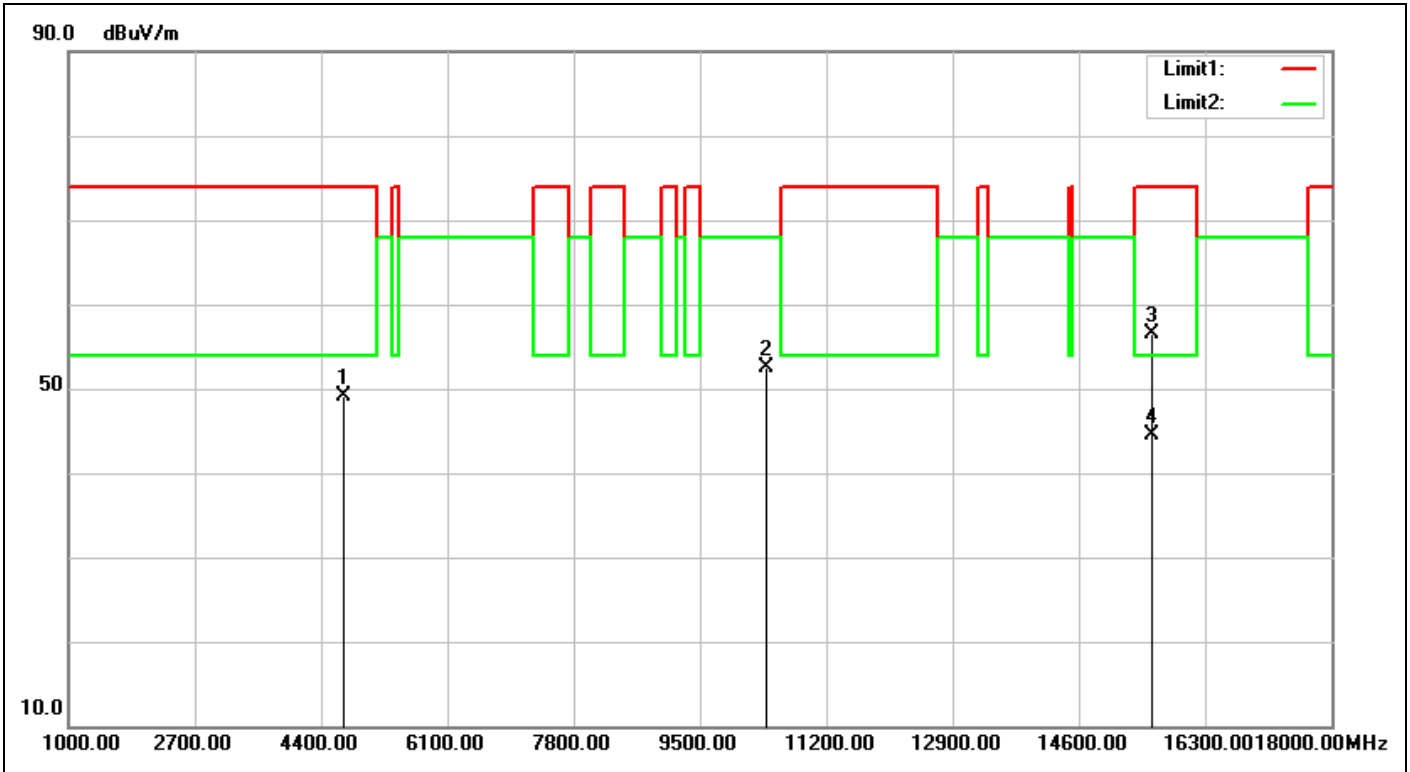
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Test item:	Radiation Emission	Test Time:	2017/3/9 20:22:55
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4570.000	-1.93	51.02	49.09	74.00	-24.91	peak	100	193	
2	10440.000	5.79	47.44	53.23	68.00	-14.77	peak			
3	15660.000	12.92	45.49	58.41	74.00	-15.59	peak			
4	15660.000	12.92	33.88	46.80	54.00	-7.20	AVG			



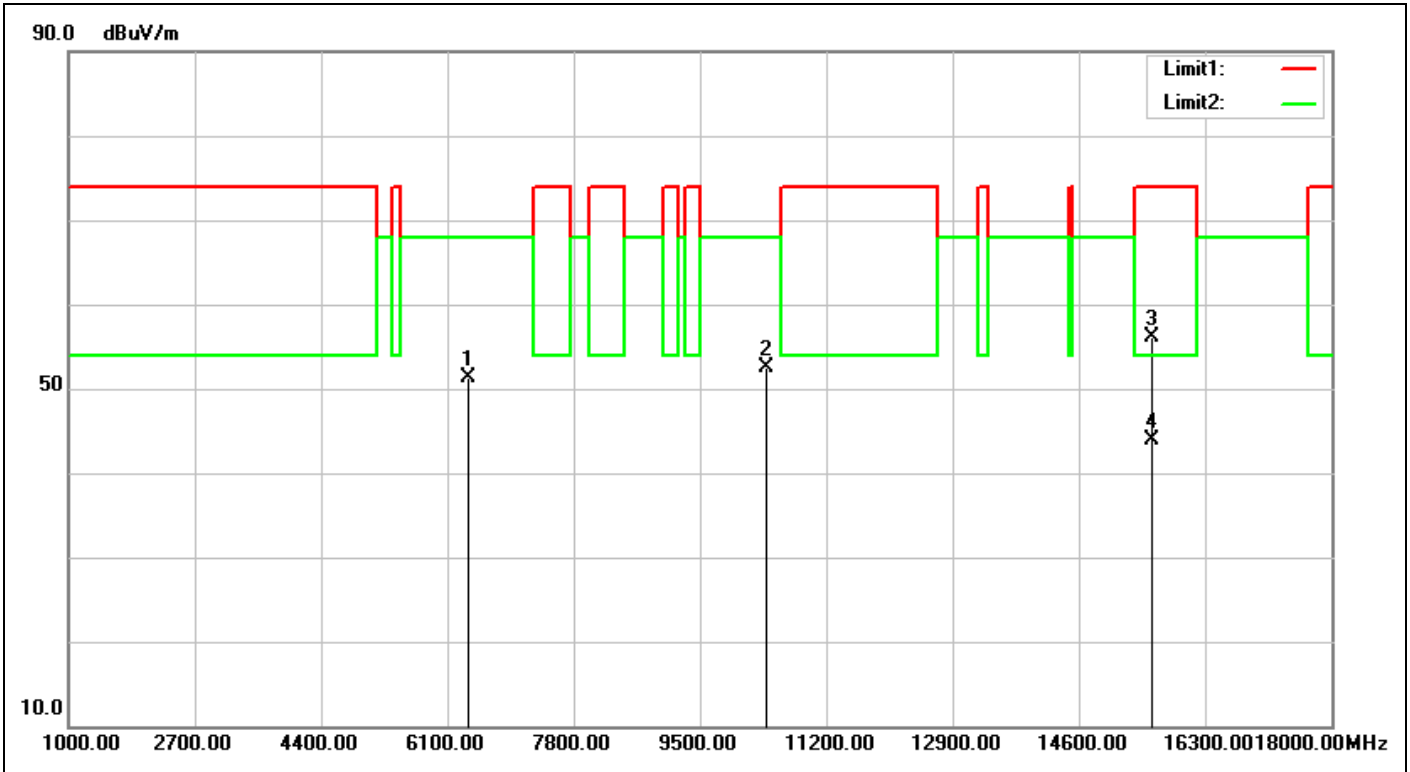
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Test item:	Radiation Emission	Test Time:	2017/3/9 20:23:58
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2513.000	-6.11	57.71	51.60	74.00	-22.40	peak	100	41	
2	10440.000	5.79	54.86	60.65	68.00	-7.35	peak	100	314	
3	15660.000	12.92	45.79	58.71	74.00	-15.29	peak			
4	15660.000	12.92	33.38	46.30	54.00	-7.70	AVG			



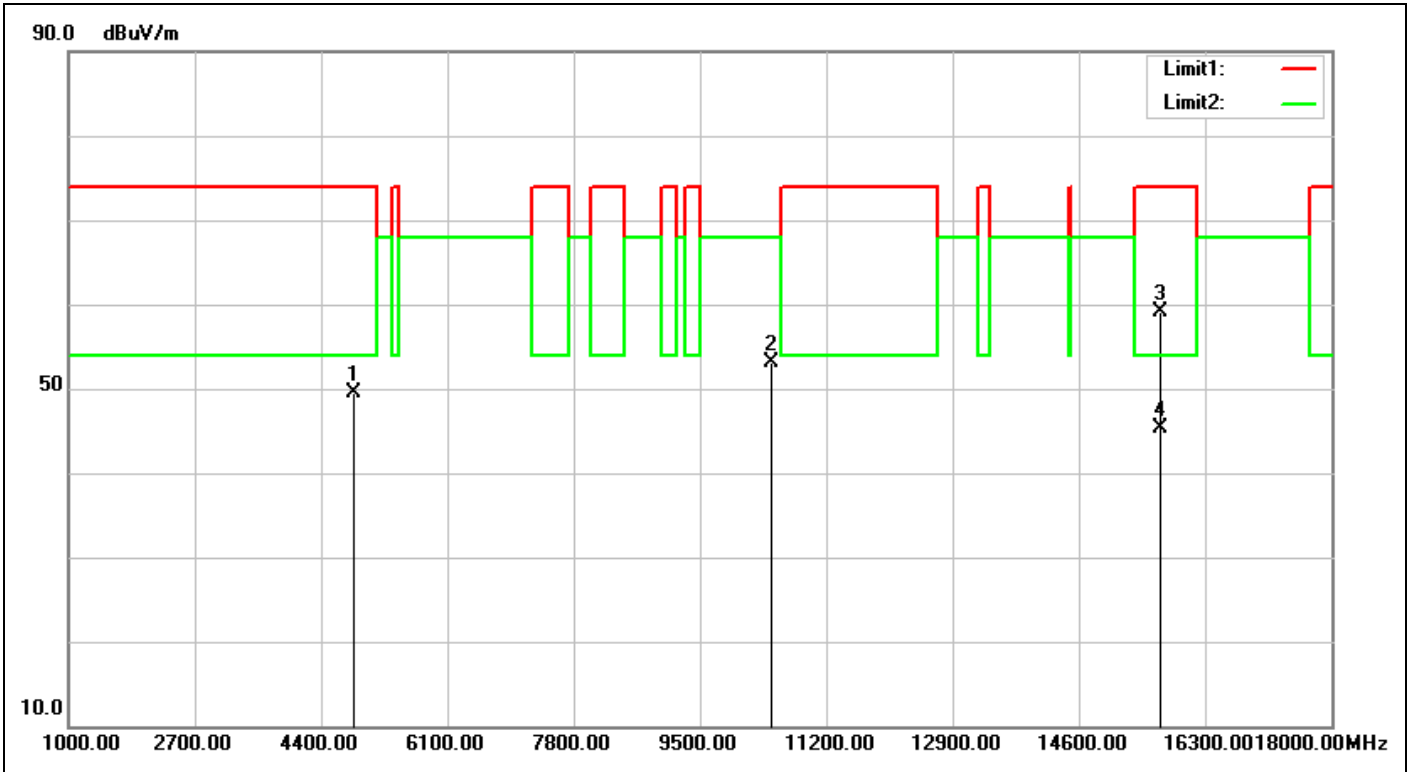
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:07:01
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4706.000	-1.78	50.85	49.07	74.00	-24.93	peak	100	57	
2	10380.000	5.86	46.65	52.51	68.00	-15.49	peak		0	
3	15570.000	12.52	44.02	56.54	74.00	-17.46	peak		0	
4	15570.000	12.52	32.08	44.60	54.00	-9.40	AVG		0	



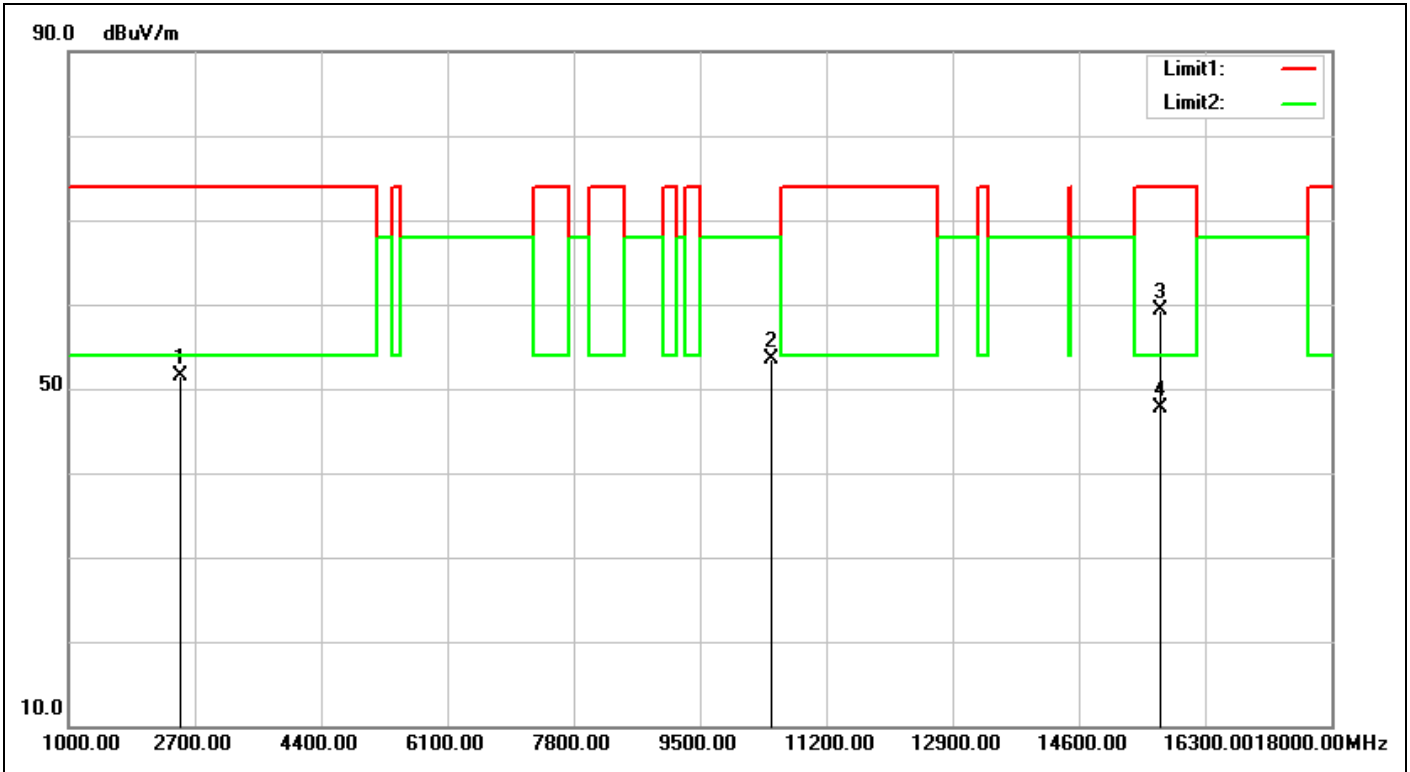
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:08:04
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6372.000	5.88	45.41	51.29	68.00	-16.71	peak	100	224	
2	10380.000	5.86	46.67	52.53	68.00	-15.47	peak			
3	15570.000	12.52	43.60	56.12	74.00	-17.88	peak			
4	15570.000	12.52	31.48	44.00	54.00	-10.00	AVG			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:11:42
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-1.62	51.10	49.48	74.00	-24.52	peak	100	218	
2	10460.000	5.77	47.35	53.12	68.00	-14.88	peak			
3	15690.000	13.07	46.00	59.07	74.00	-14.93	peak			
4	15690.000	13.07	32.23	45.30	54.00	-8.70	AVG			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:12:45
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2513.000	-6.11	57.55	51.44	74.00	-22.56	peak	100	176	
2	10460.000	5.77	47.81	53.58	68.00	-14.42	peak			
3	15690.000	13.07	46.22	59.29	74.00	-14.71	peak			
4	15690.000	13.07	34.73	47.80	54.00	-6.20	AVG			

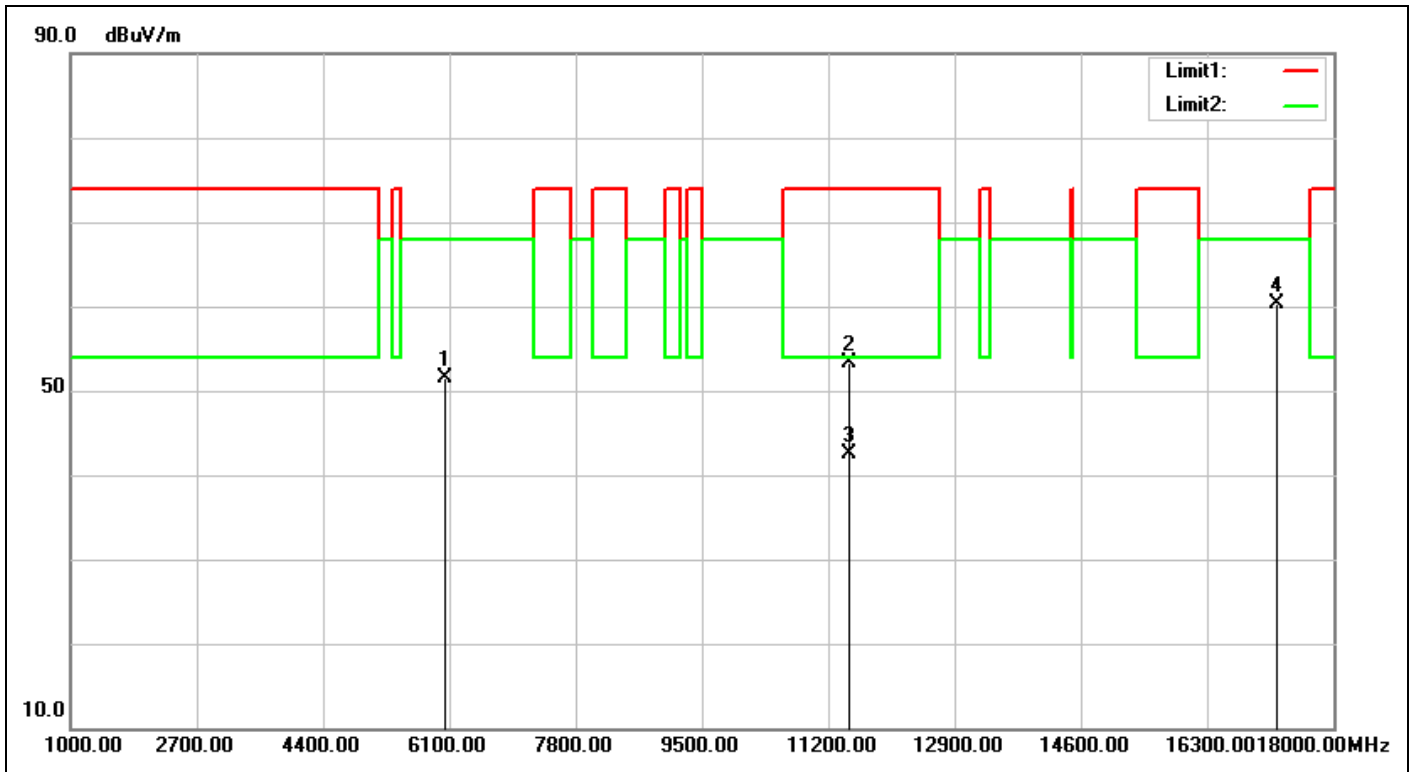
Spurious Emissions, TX Mode, 1-18G , 5725-5850MHz



TUV Taiwan

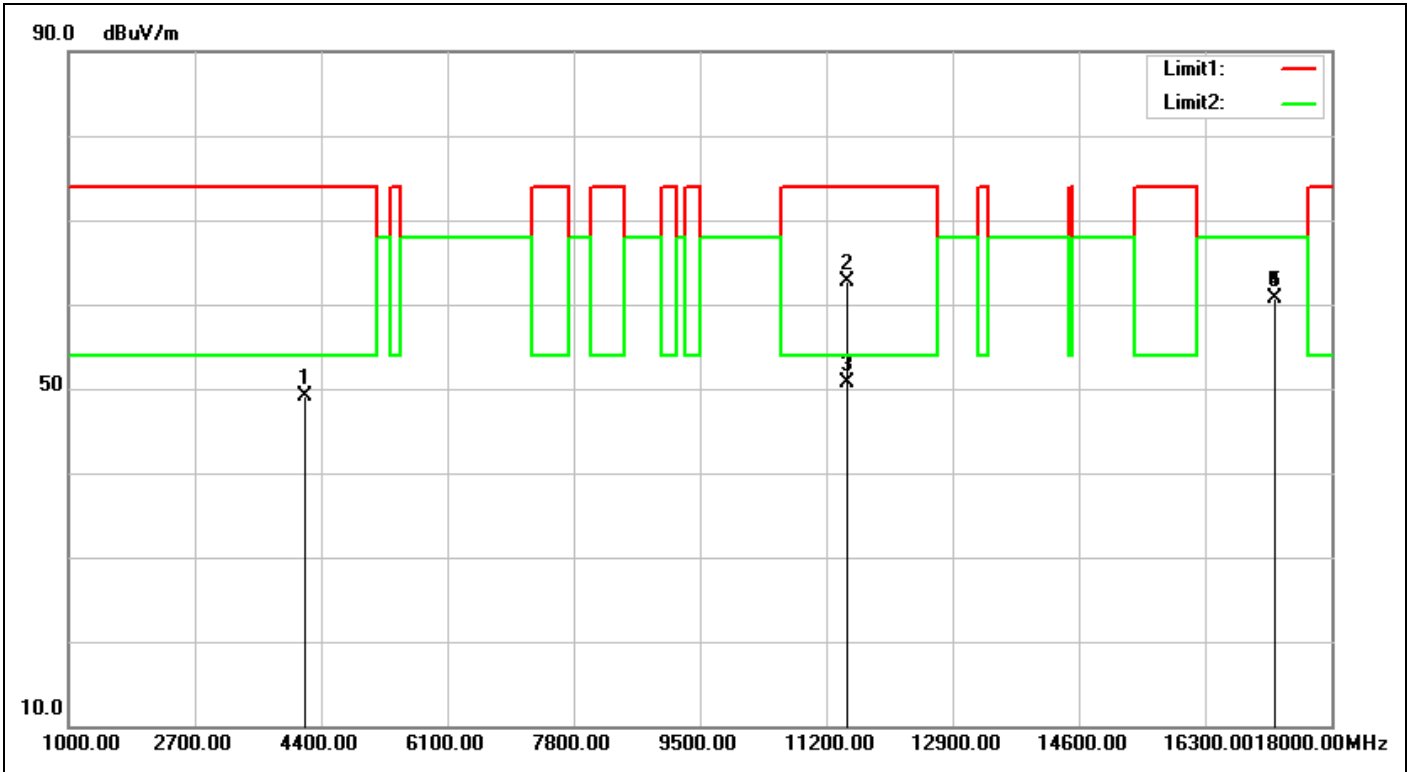
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



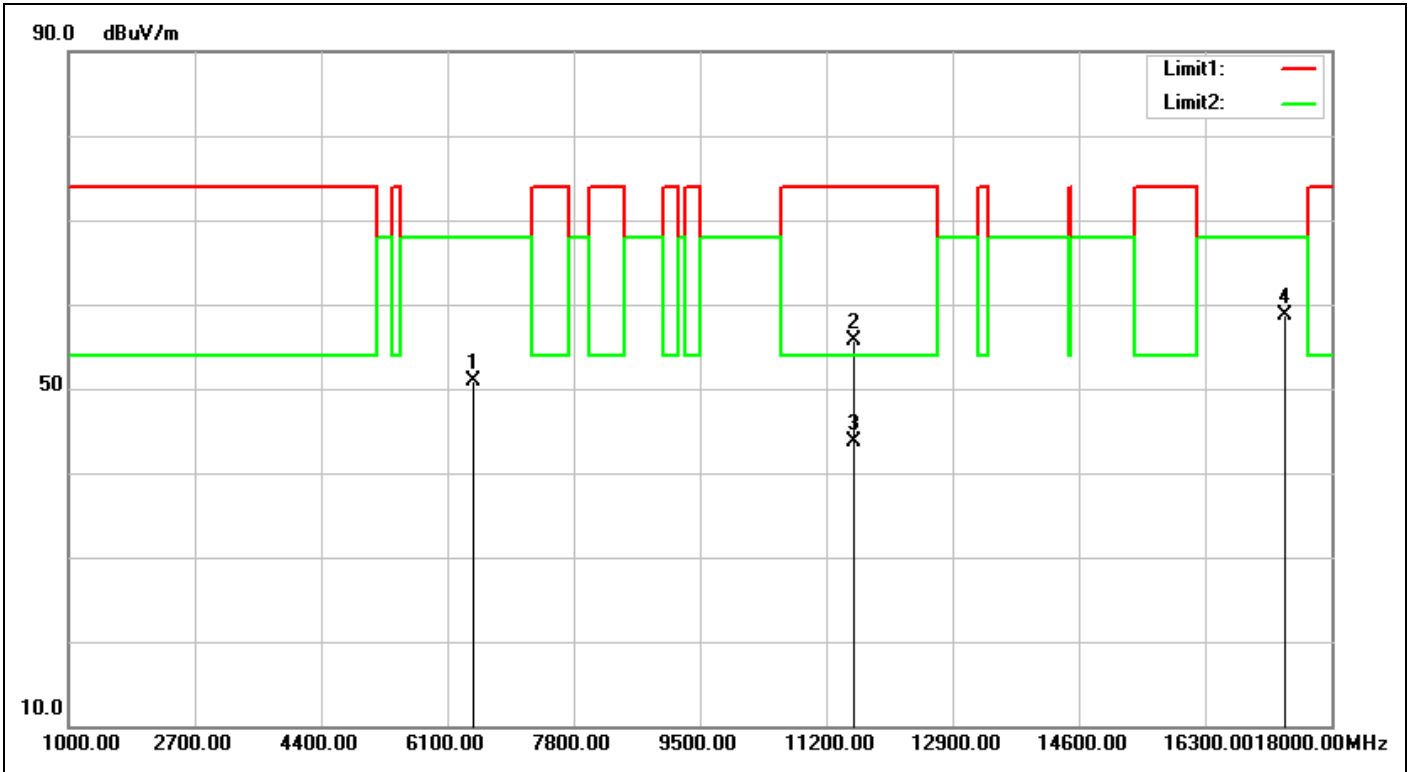
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:45:29
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6032.000	4.77	46.72	51.49	68.00	-16.51	peak	100	133	
2	11490.000	5.80	47.59	53.39	74.00	-20.61	peak		0	
3	11490.000	5.80	36.70	42.50	54.00	-11.50	AVG		0	
4	17235.000	16.35	43.99	60.34	68.00	-7.66	peak		0	



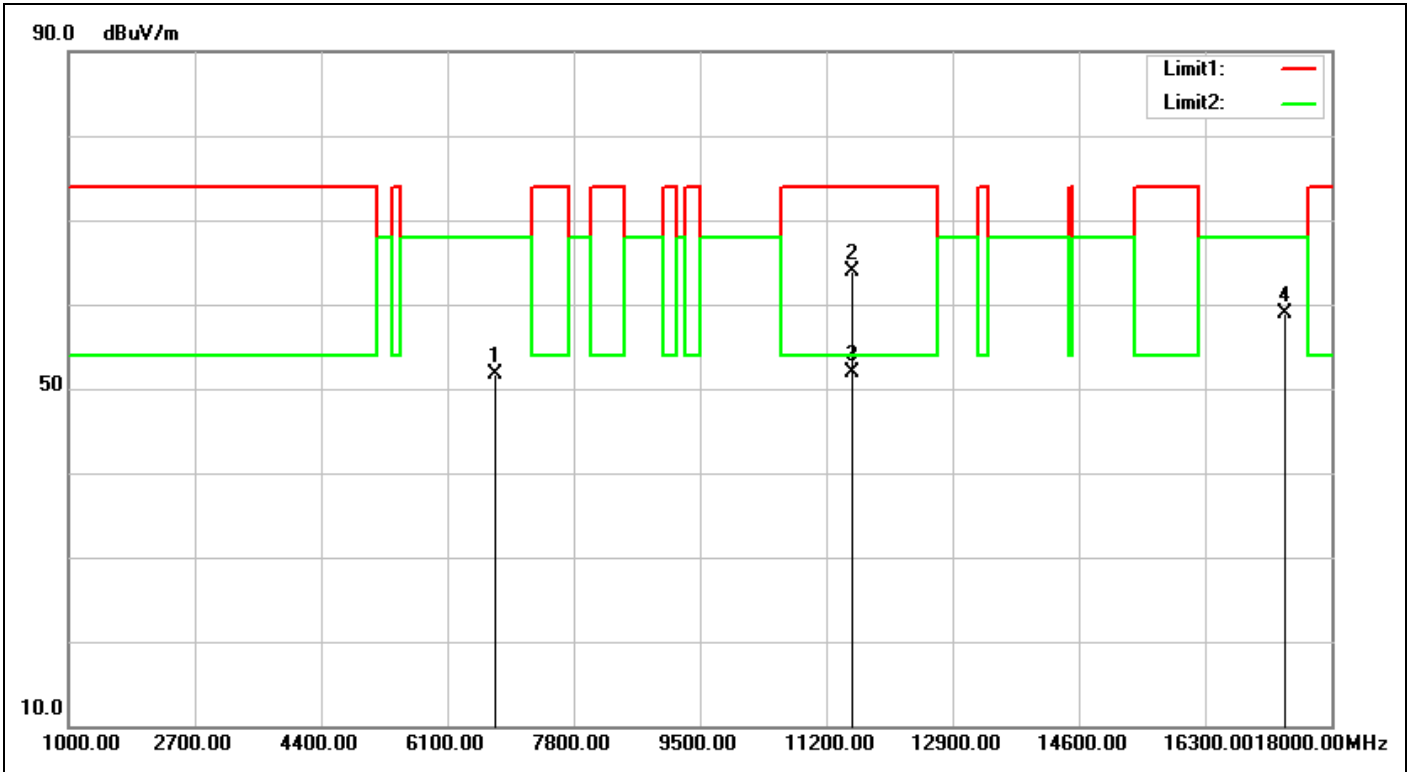
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:46:32
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4179.000	-3.18	52.30	49.12	74.00	-24.88	peak	100	133	
2	11490.000	5.80	56.83	62.63	74.00	-11.37	peak	100	228	
3	11490.000	5.80	44.99	50.79	54.00	-3.21	AVG	100	228	
4	17235.000	16.35	44.34	60.69	68.00	-7.31	peak			
5	17235.000	16.35	44.34	60.69	68.00	-7.31	peak		0	



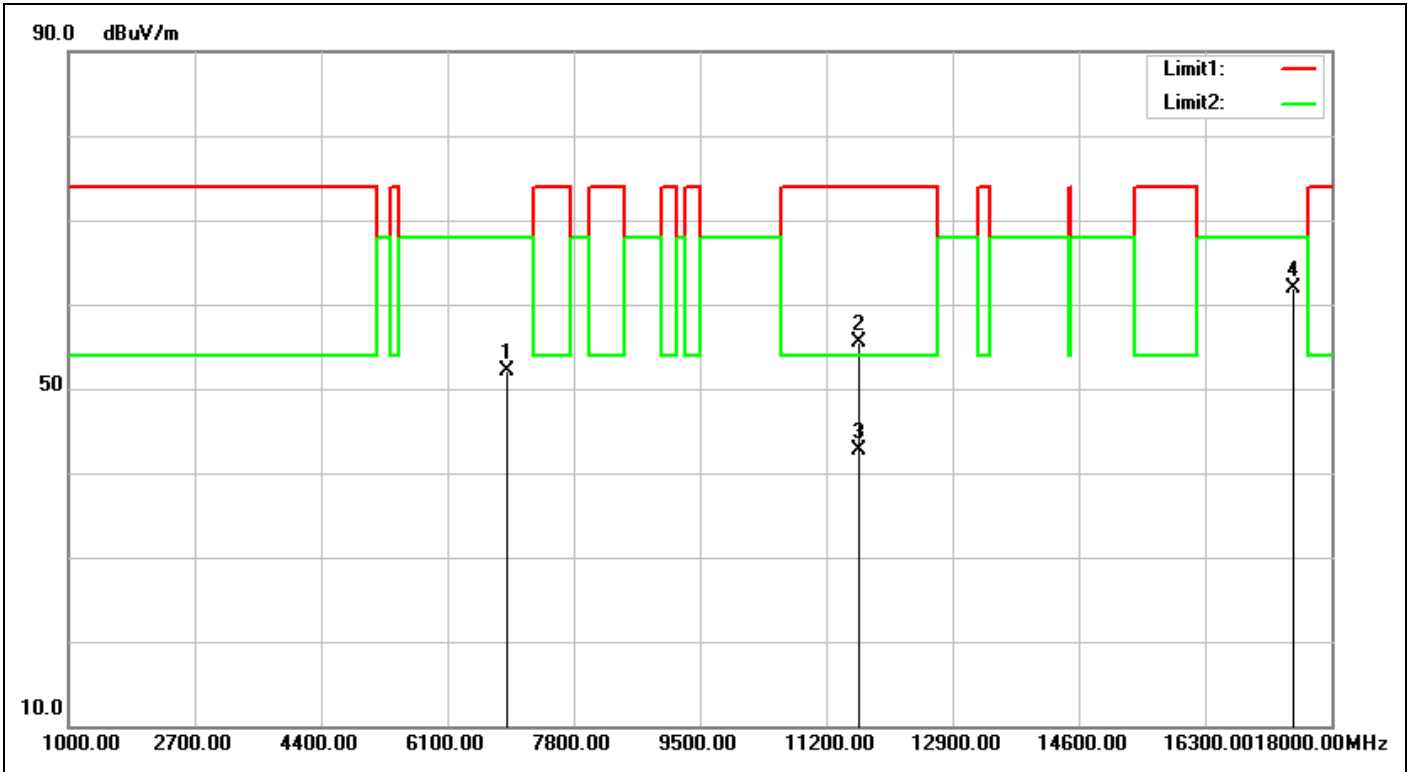
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:51:09
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6440.000	6.11	44.85	50.96	68.00	-17.04	peak	100	239	
2	11570.000	6.08	49.58	55.66	74.00	-18.34	peak			
3	11570.000	6.08	37.62	43.70	54.00	-10.30	AVG			
4	17355.000	16.20	42.47	58.67	68.00	-9.33	peak			



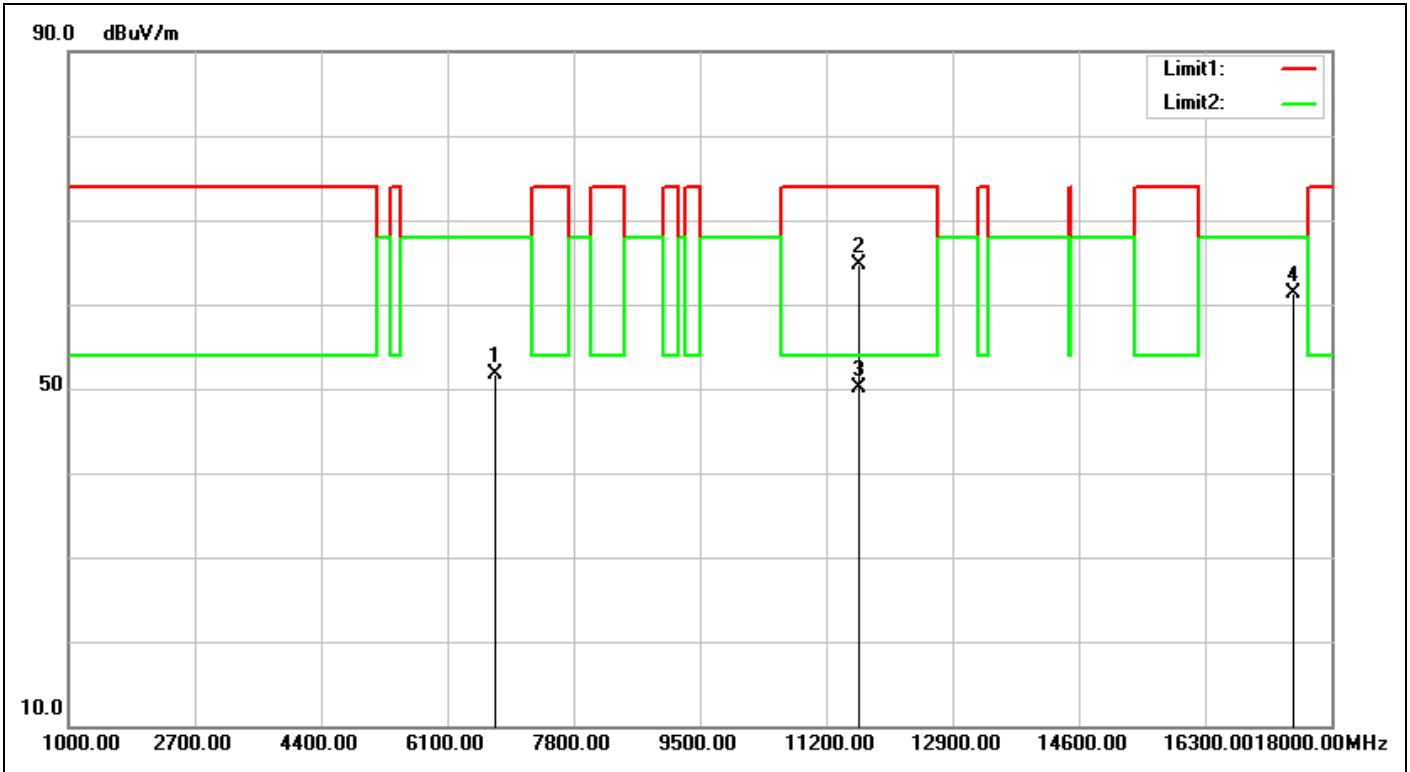
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:52:11
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6746.000	6.02	45.78	51.80	68.00	-16.20	peak	100	144	
2	11570.000	6.08	57.86	63.94	74.00	-10.06	peak	100	107	
3	11570.000	6.08	45.92	52.00	54.00	-2.00	AVG	100	107	
4	17355.000	16.20	42.65	58.85	68.00	-9.15	peak			



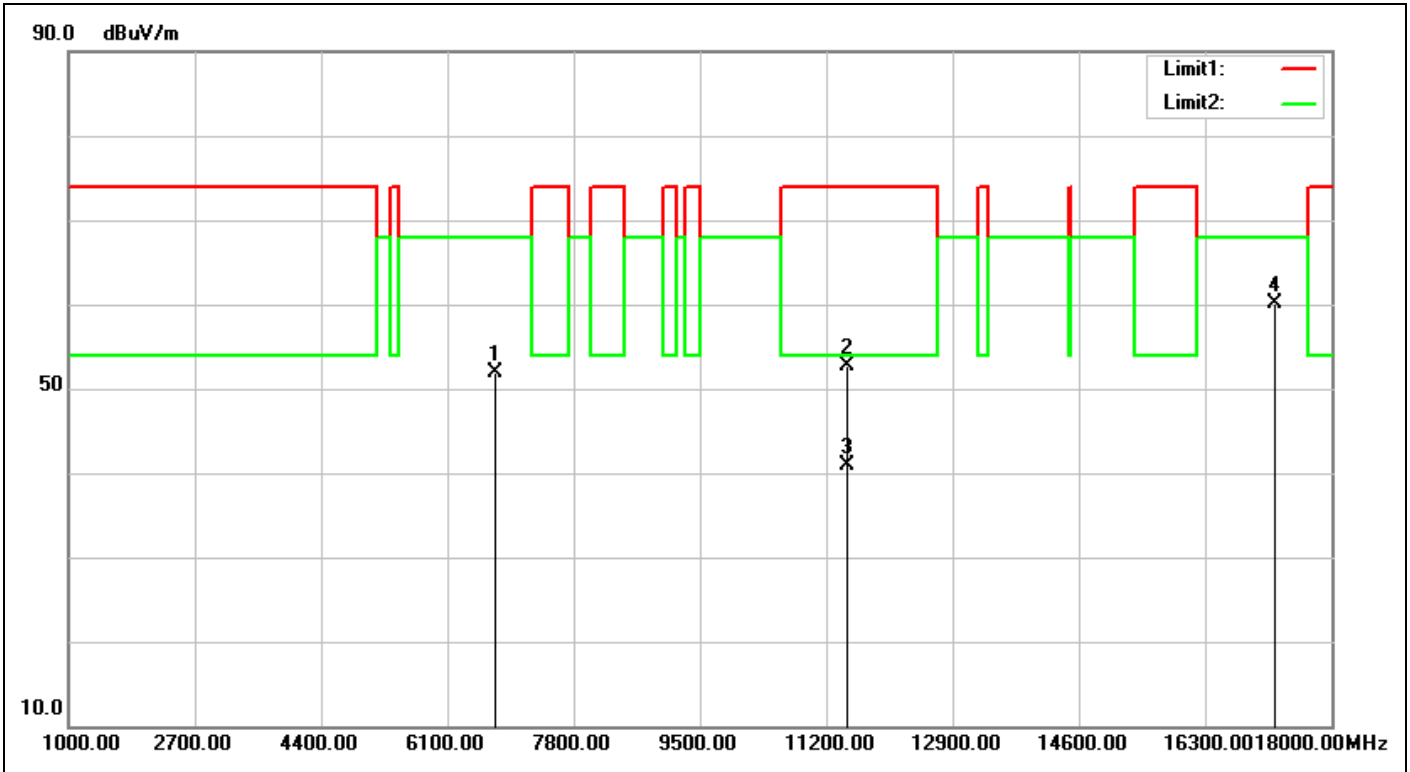
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 20:55:16
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6899.000	5.85	46.30	52.15	68.00	-15.85	peak	100	175	
2	11650.000	6.38	49.17	55.55	74.00	-18.45	peak			
3	11650.000	6.38	36.42	42.80	54.00	-11.20	AVG			
4	17475.000	16.04	45.95	61.99	68.00	-6.01	peak			



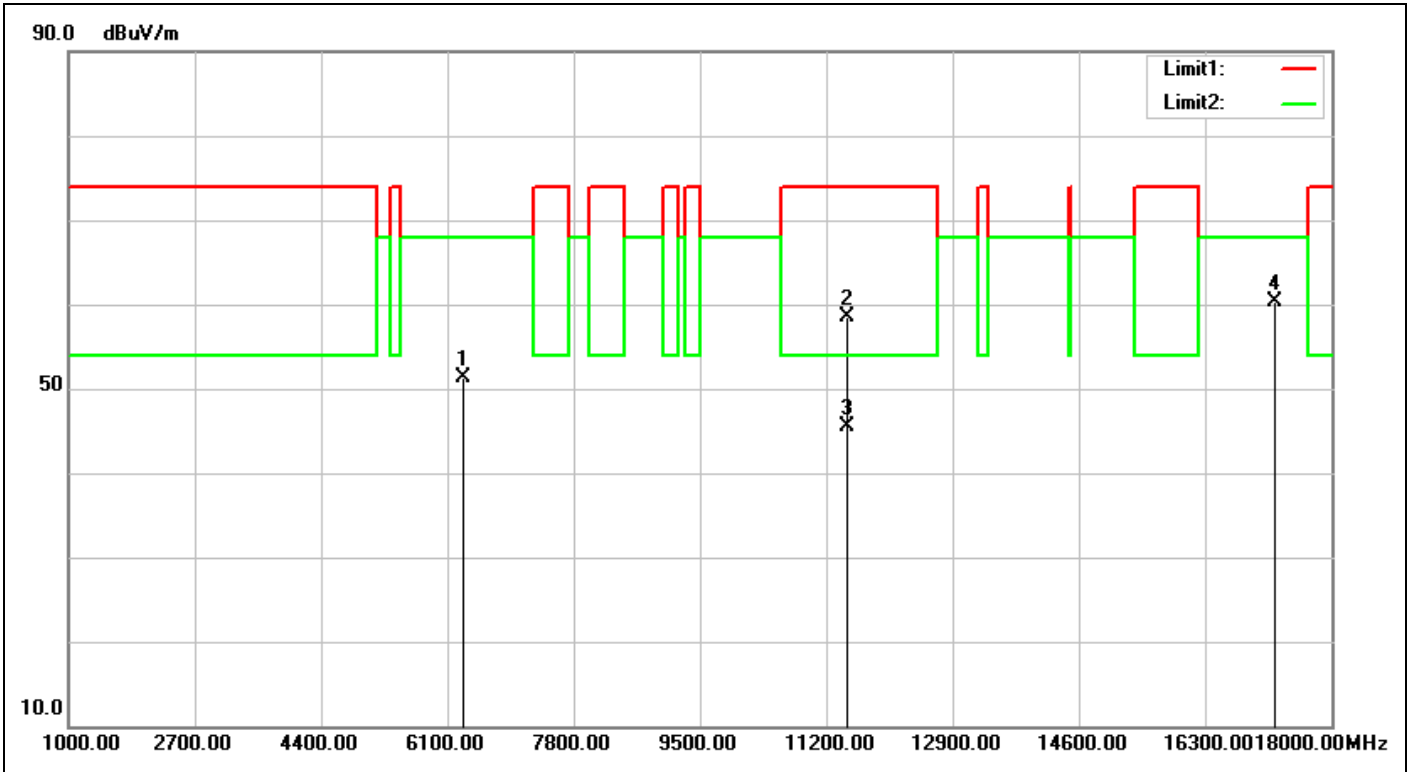
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 20:56:19
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6746.000	6.02	45.78	51.80	68.00	-16.20	peak	100	99	
2	11650.000	6.38	58.29	64.67	74.00	-9.33	peak	100	110	
3	11650.000	6.38	43.66	50.04	54.00	-3.96	AVG	100	110	
4	17475.000	16.04	45.28	61.32	68.00	-6.68	peak			



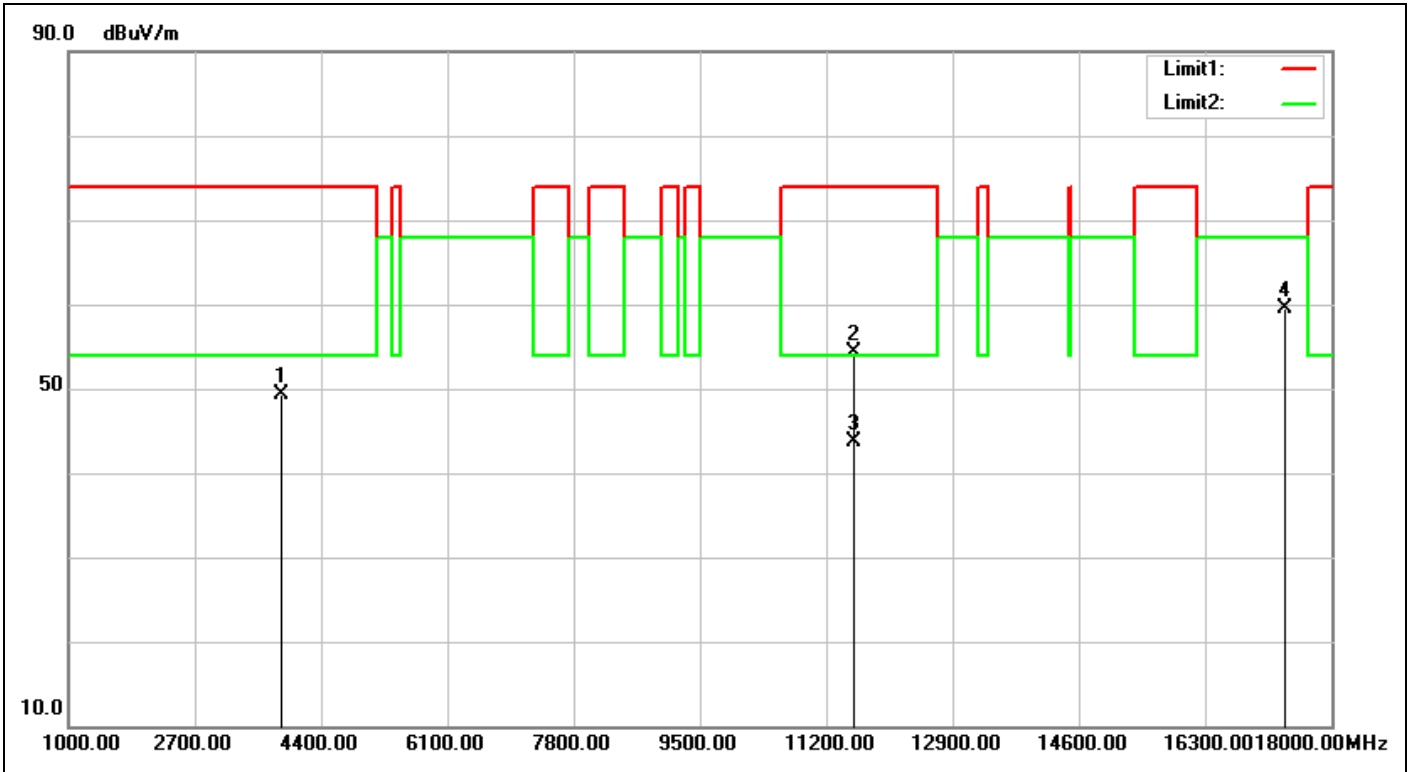
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:01:50
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6746.000	6.02	45.89	51.91	68.00	-16.09	peak	100	334	
2	11490.000	5.80	46.87	52.67	74.00	-21.33	peak			
3	11490.000	5.80	35.10	40.90	54.00	-13.10	AVG			
4	17235.000	16.35	43.84	60.19	68.00	-7.81	peak			



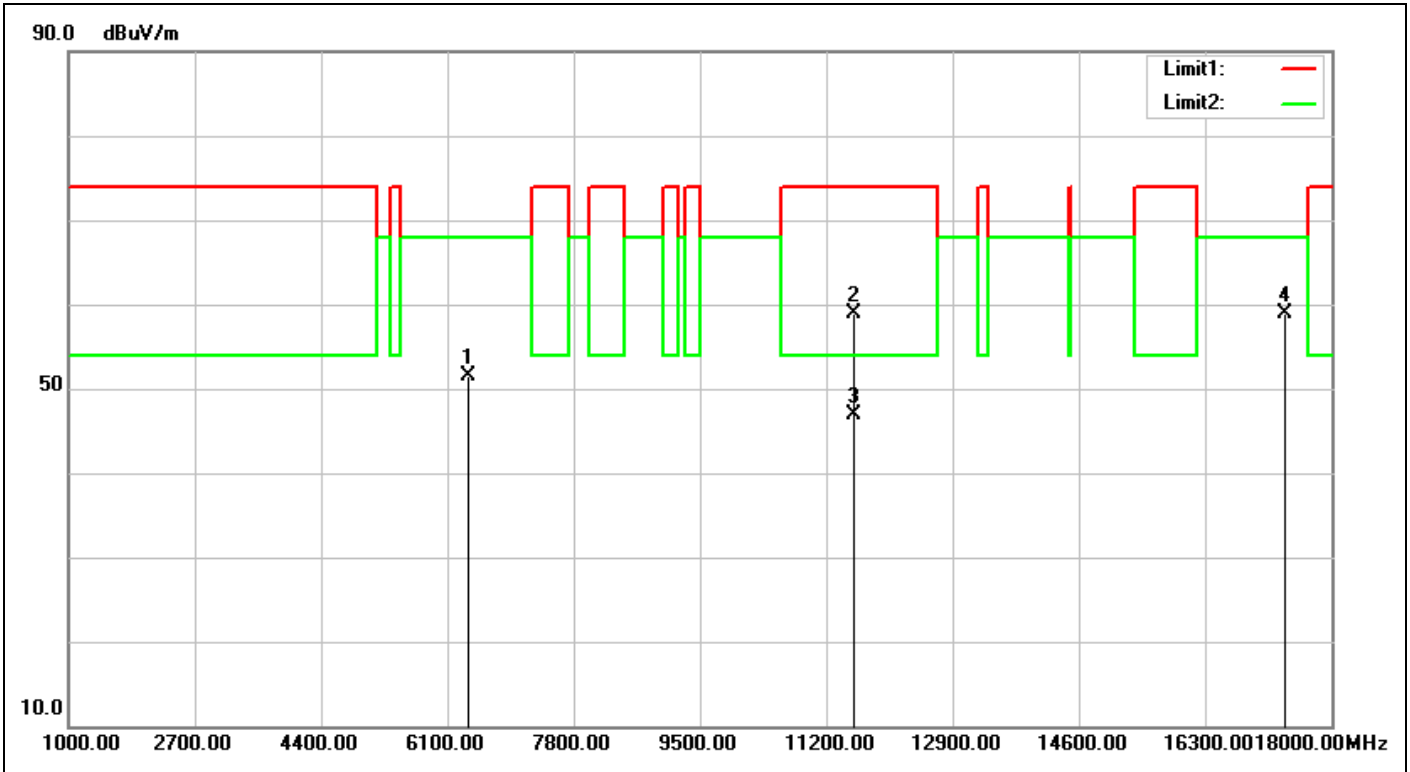
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:02:53
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6321.000	5.71	45.64	51.35	68.00	-16.65	peak	100	138	
2	11490.000	5.80	52.61	58.41	74.00	-15.59	peak	100	75	
3	11490.000	5.80	39.70	45.50	54.00	-8.50	AVG	100	75	
4	17235.000	16.35	43.94	60.29	68.00	-7.71	peak			



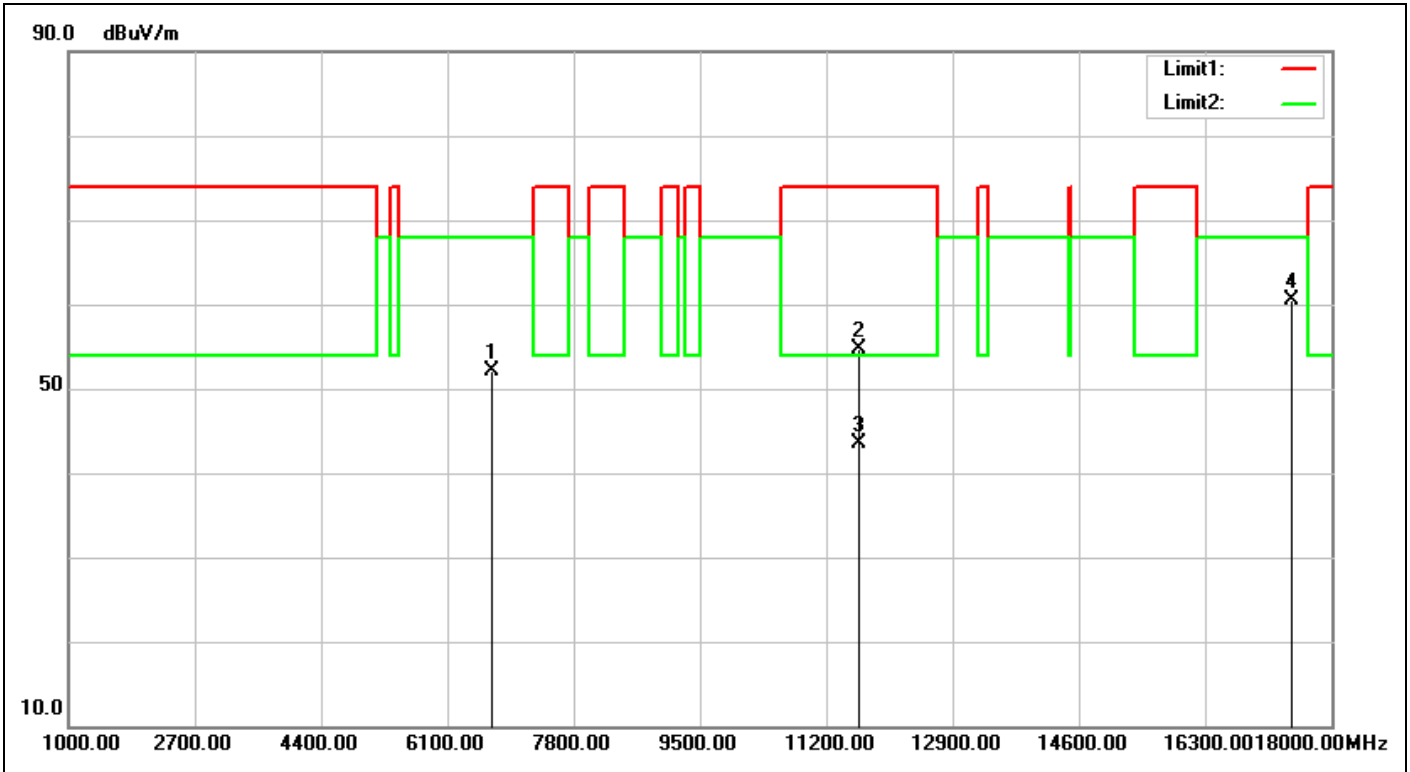
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:05:33
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3856.000	-4.11	53.41	49.30	74.00	-24.70	peak	100	300	
2	11570.000	6.08	48.16	54.24	74.00	-19.76	peak			
3	11570.000	6.08	37.72	43.80	54.00	-10.20	AVG			
4	17355.000	16.20	43.25	59.45	68.00	-8.55	peak			



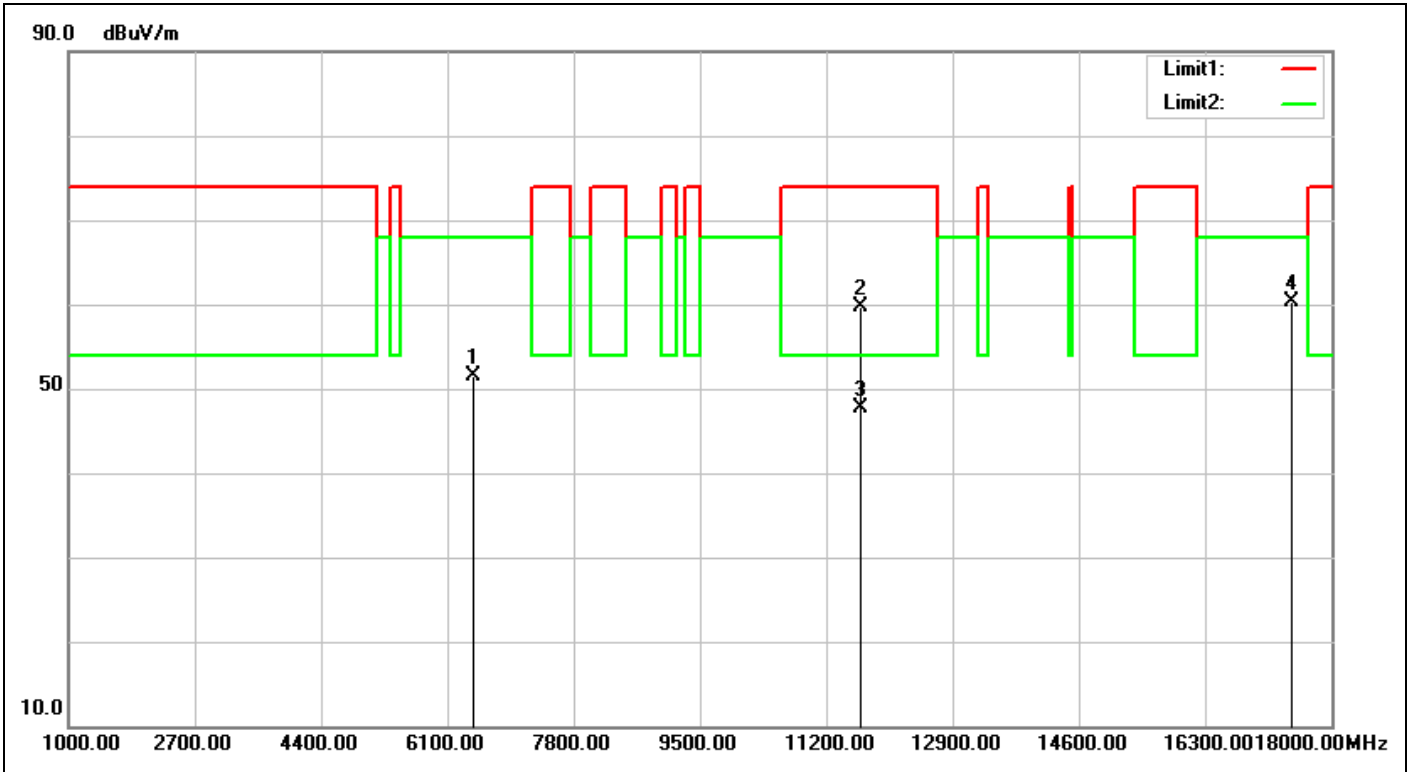
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:06:37
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6389.000	5.94	45.48	51.42	68.00	-16.58	peak	100	66	
2	11570.000	6.08	52.91	58.99	74.00	-15.01	peak	100	110	
3	11570.000	6.08	40.92	47.00	54.00	-7.00	AVG	100	110	
4	17355.000	16.20	42.78	58.98	68.00	-9.02	peak			



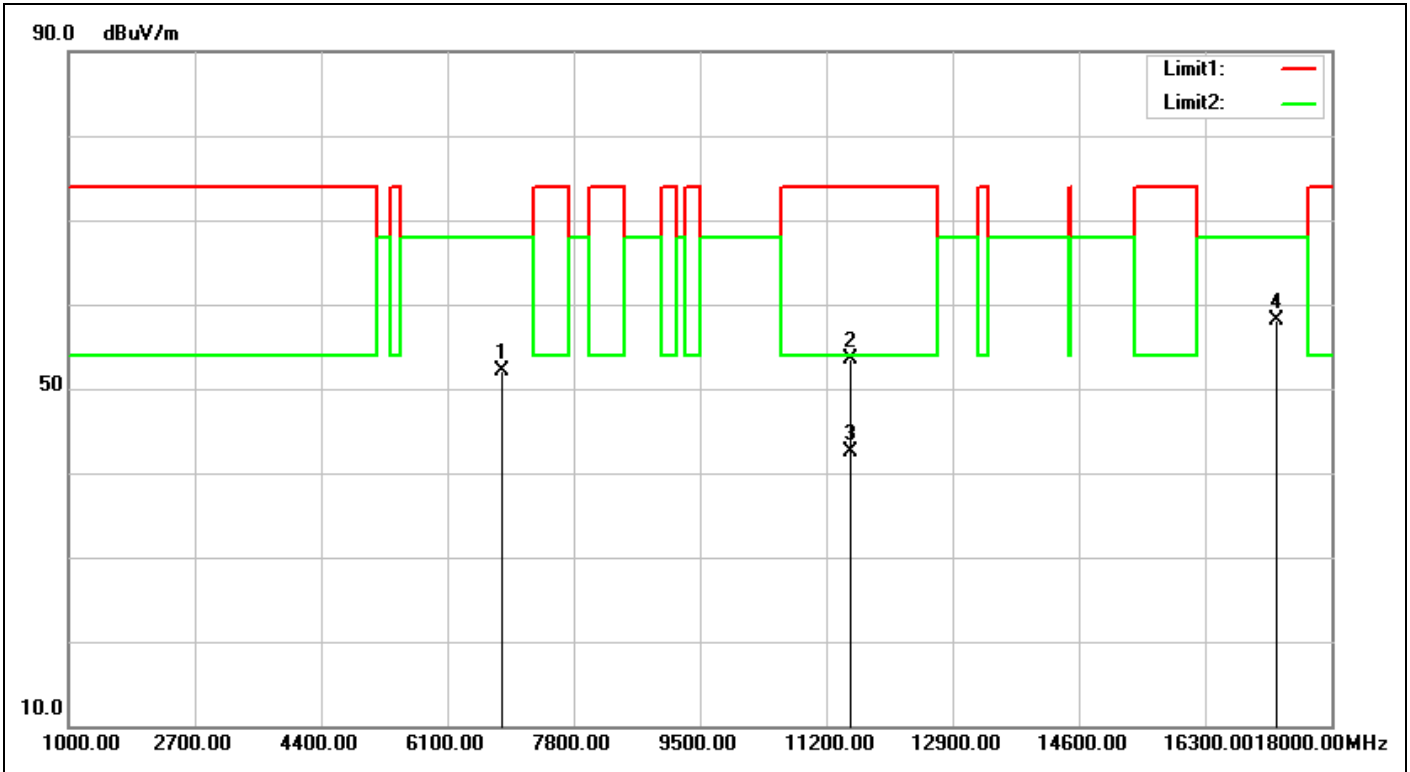
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:09:18
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6695.000	6.09	46.03	52.12	68.00	-15.88	peak	100	119	
2	11650.000	6.38	48.27	54.65	74.00	-19.35	peak			
3	11650.000	6.38	37.12	43.50	54.00	-10.50	AVG			
4	17475.000	16.04	44.46	60.50	68.00	-7.50	peak			



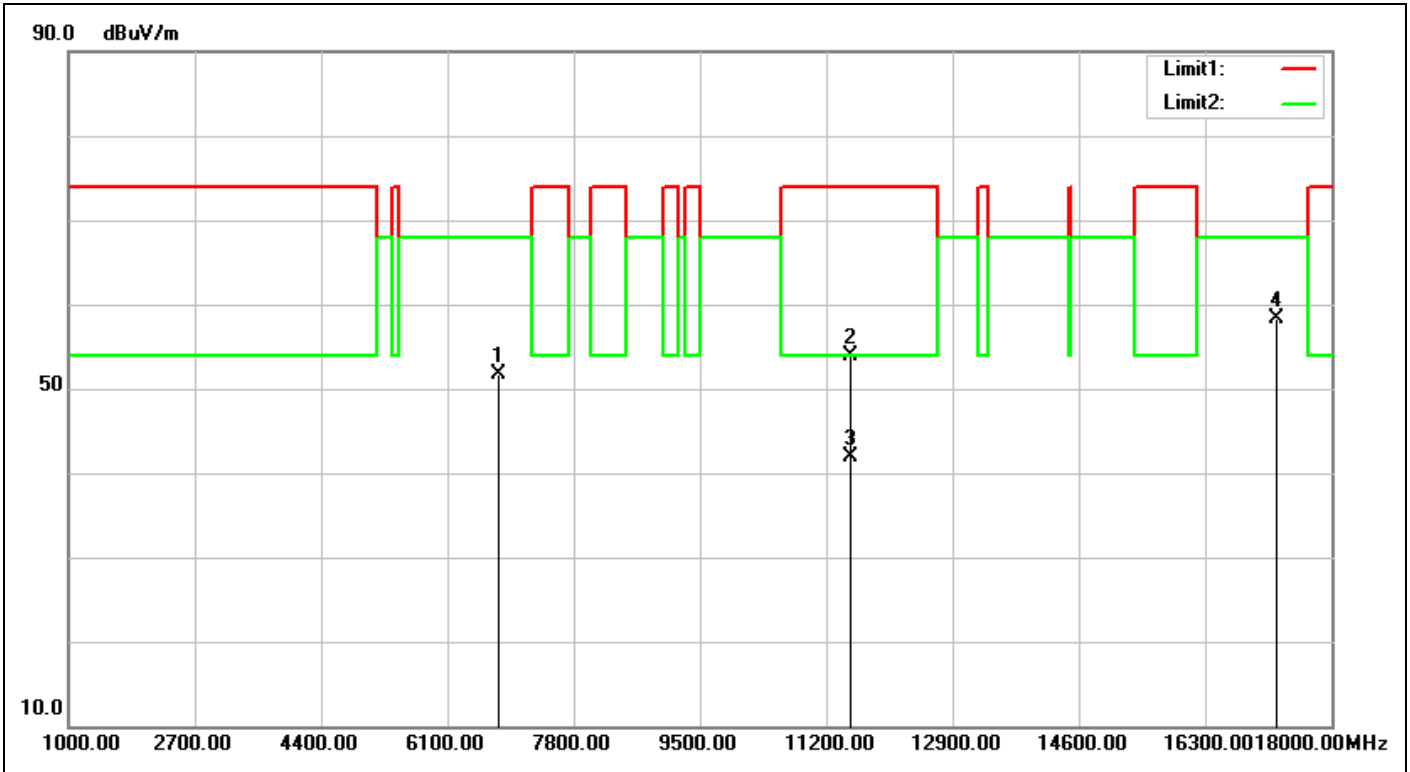
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:10:22
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6440.000	6.11	45.46	51.57	68.00	-16.43	peak	100	227	
2	11650.000	6.38	53.30	59.68	74.00	-14.32	peak	100	138	
3	11650.000	6.38	41.42	47.80	54.00	-6.20	AVG	100	138	
4	17475.000	16.04	44.36	60.40	68.00	-7.60	peak			



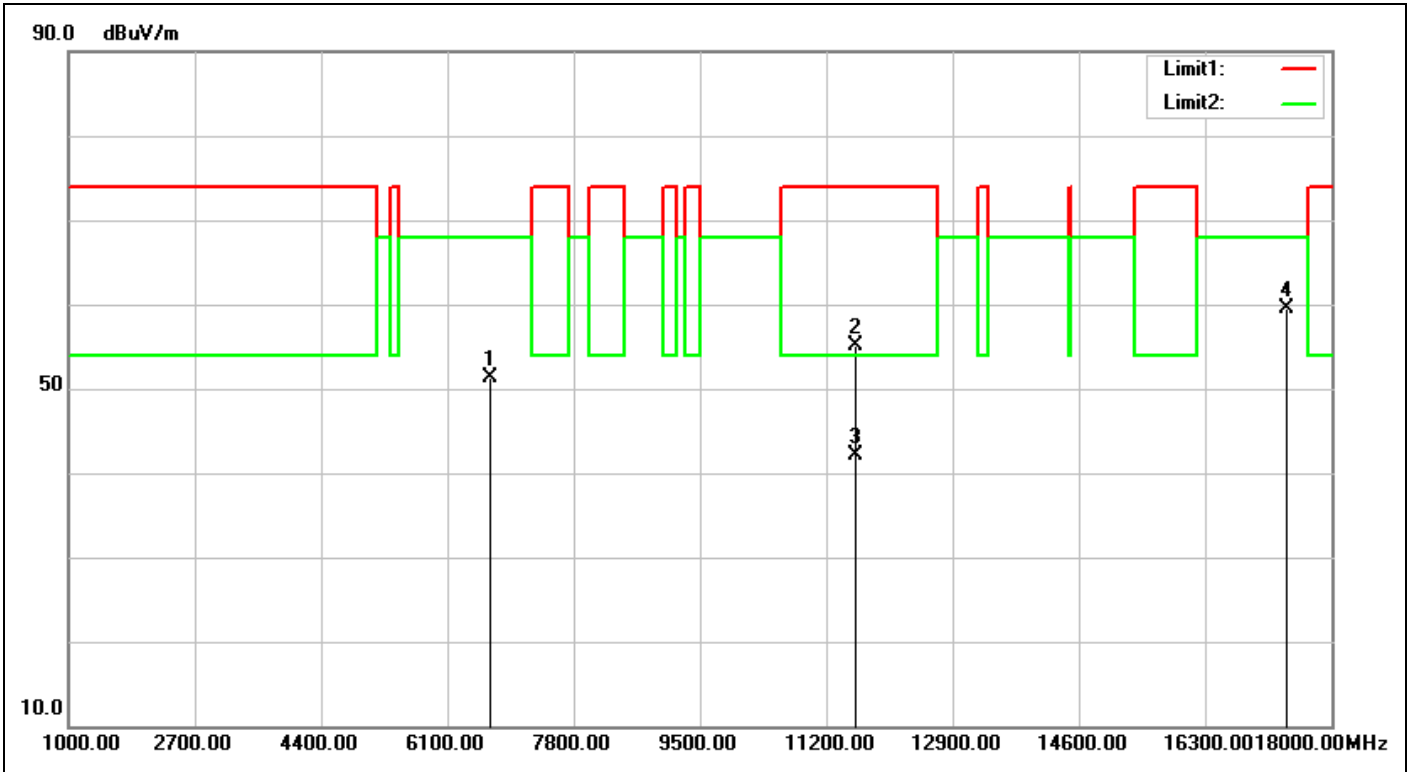
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:13:16
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6831.000	5.92	46.09	52.01	68.00	-15.99	peak	100	251	
2	11510.000	5.86	47.70	53.56	74.00	-20.44	peak			
3	11510.000	5.86	36.74	42.60	54.00	-11.40	AVG			
4	17265.000	16.32	41.74	58.06	68.00	-9.94	peak			



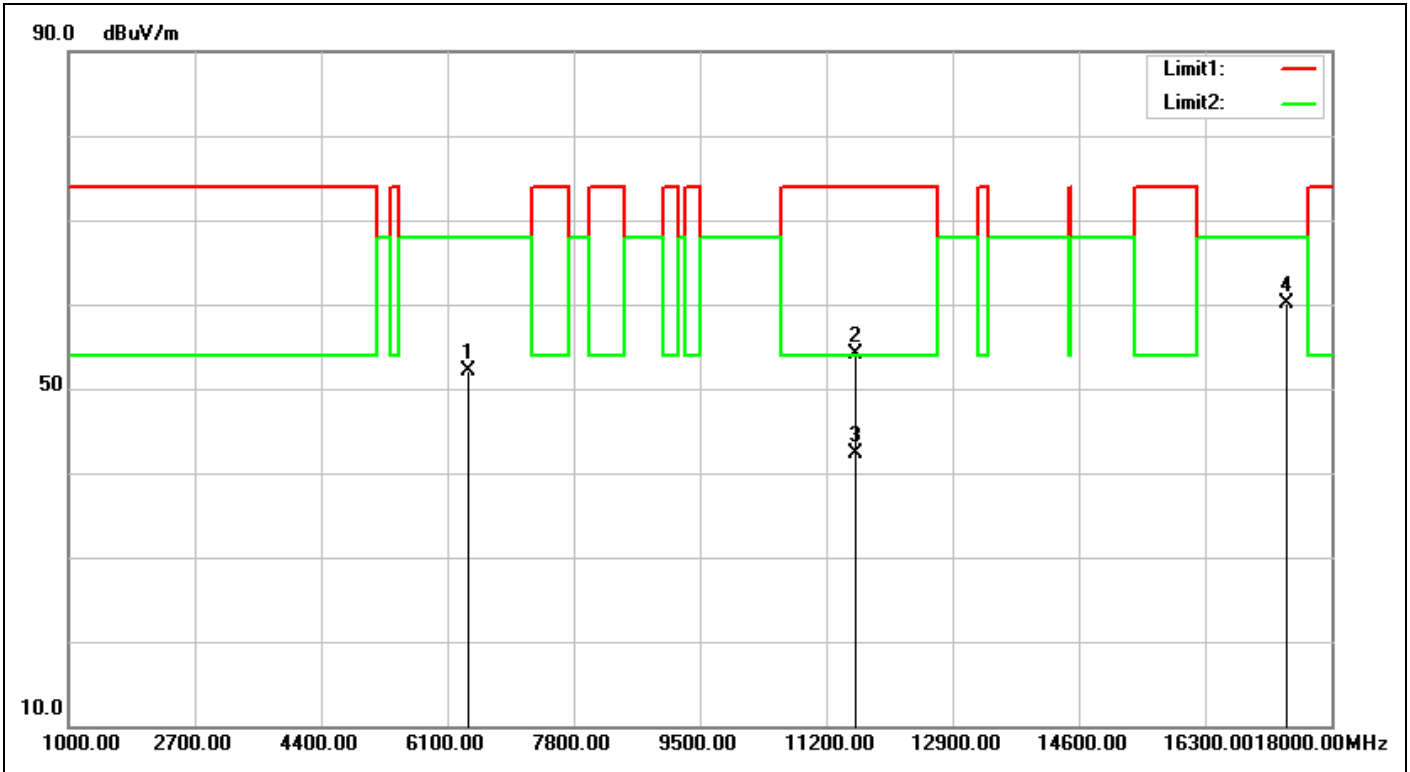
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:14:19
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6780.000	5.99	45.78	51.77	68.00	-16.23	peak	100	20	
2	11510.000	5.86	48.04	53.90	74.00	-20.10	peak			
3	11510.000	5.86	36.14	42.00	54.00	-12.00	AVG			
4	17265.000	16.32	42.06	58.38	68.00	-9.62	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:16:45
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6678.000	6.11	45.26	51.37	68.00	-16.63	peak	100	0	
2	11590.000	6.16	48.85	55.01	74.00	-18.99	peak			
3	11590.000	6.16	35.94	42.10	54.00	-11.90	AVG			
4	17385.000	16.16	43.27	59.43	68.00	-8.57	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:17:49
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6389.000	5.94	46.23	52.17	68.00	-15.83	peak	100	12	
2	11590.000	6.16	47.95	54.11	74.00	-19.89	peak			
3	11590.000	6.16	36.14	42.30	54.00	-11.70	AVG			
4	17385.000	16.16	44.02	60.18	68.00	-7.82	peak			

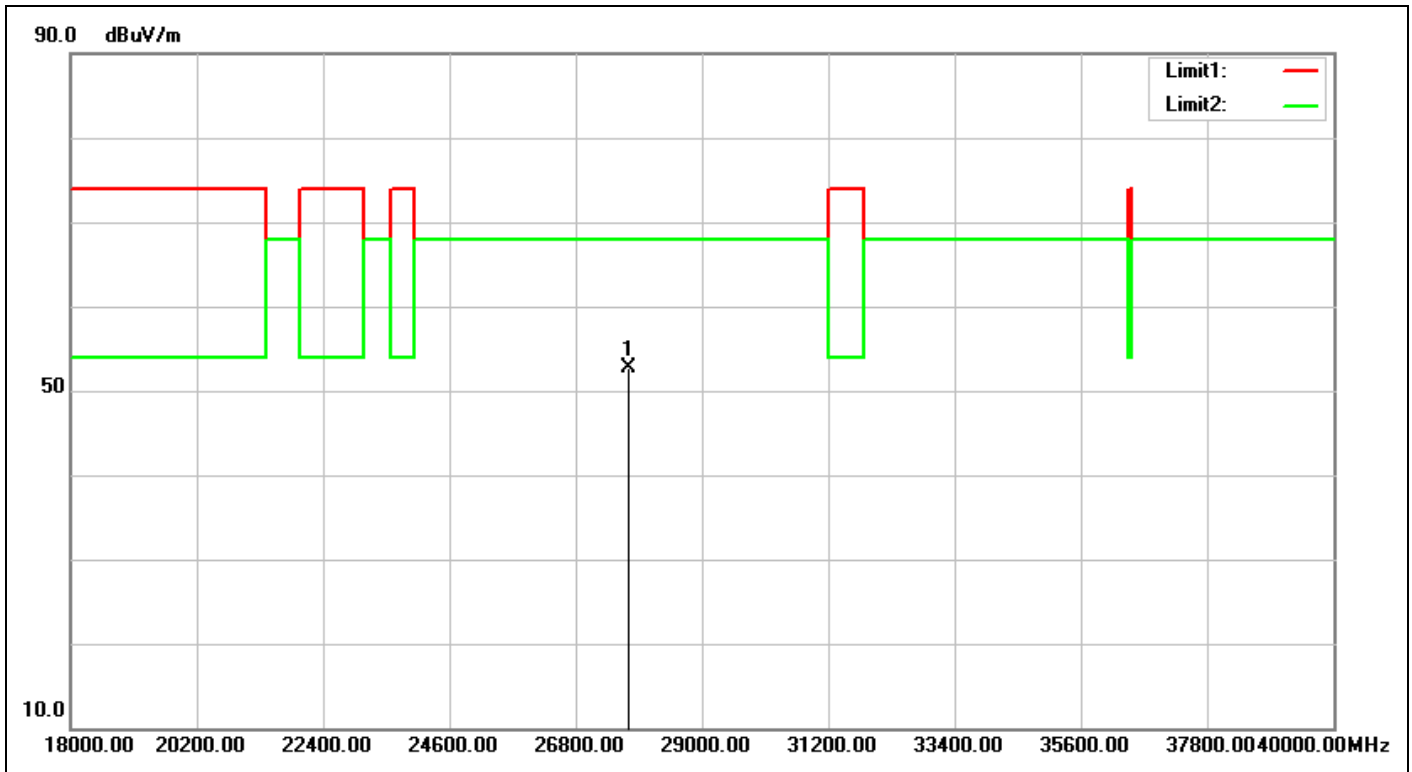
Spurious Emissions, TX Mode, 18-40G , 5150-5250MHz



TUV Taiwan

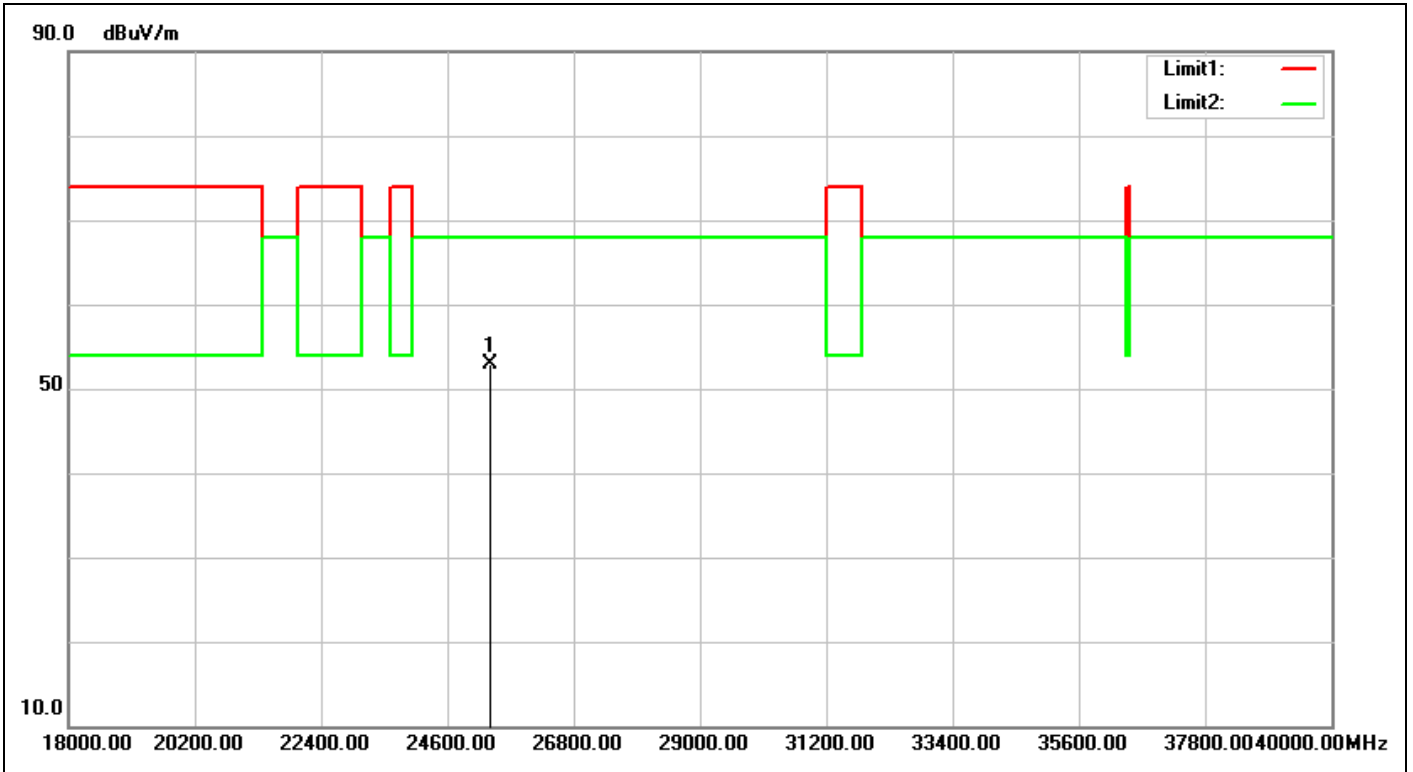
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



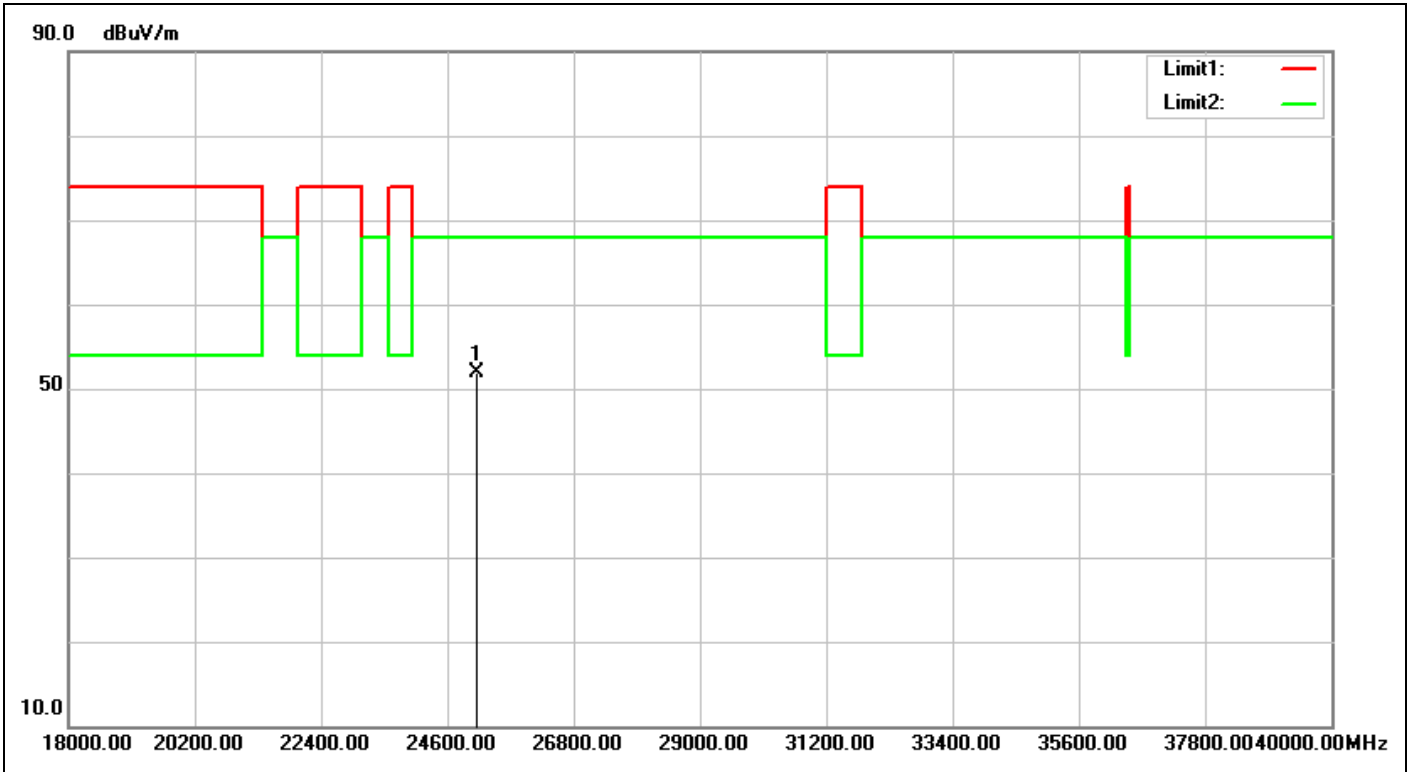
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:25:11
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	27724.000	35.16	17.64	52.80	68.00	-15.20	peak	100	360	



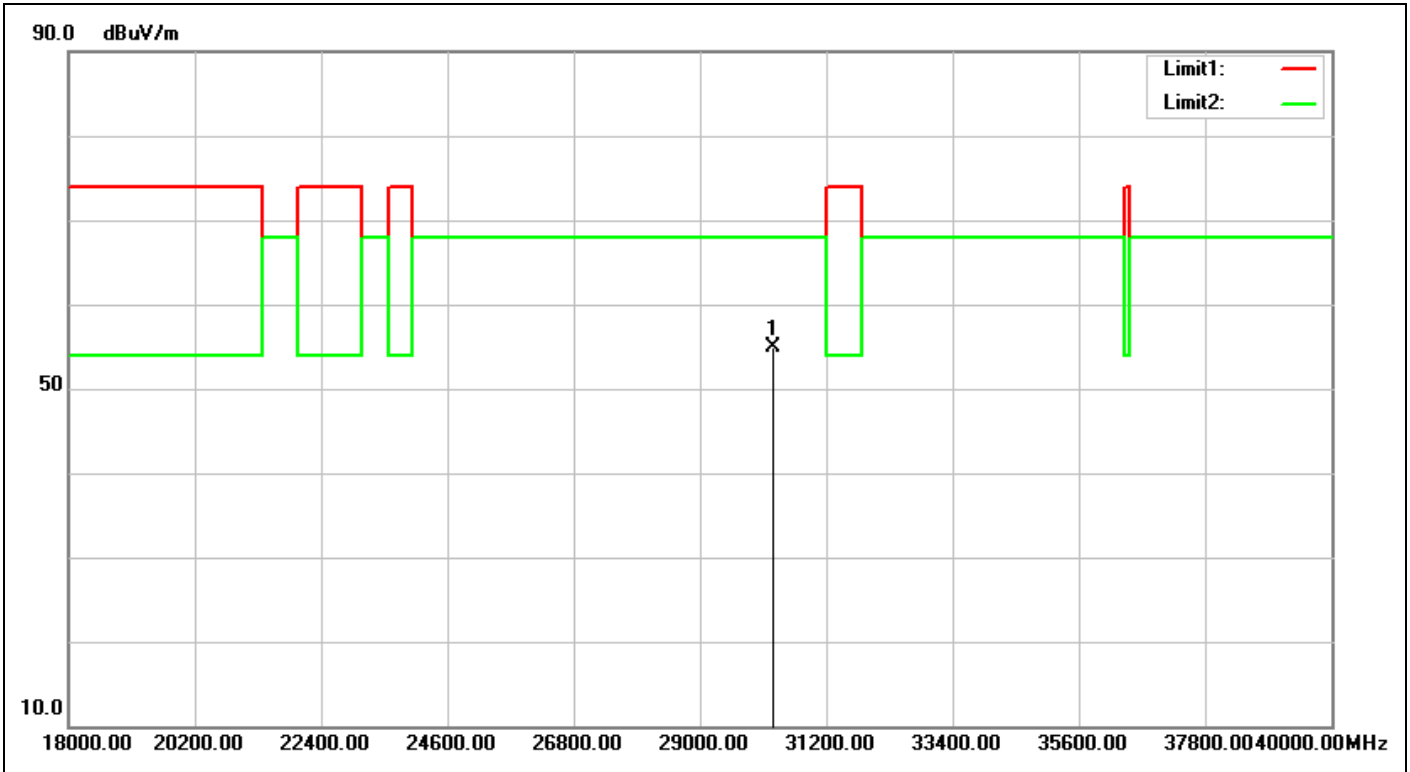
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:25:19
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25348.000	34.81	18.18	52.99	68.00	-15.01	peak	100	2	



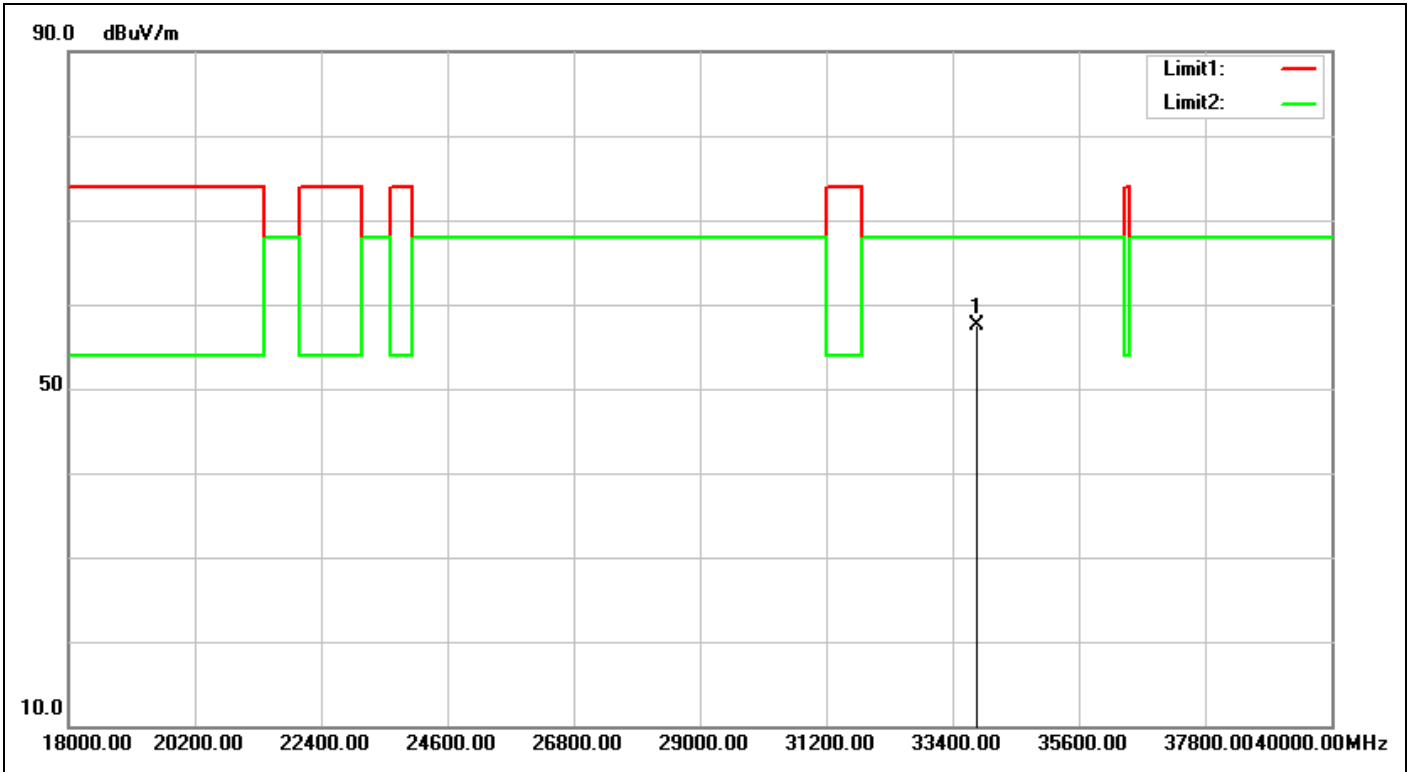
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:25:33
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25106.000	34.26	17.62	51.88	68.00	-16.12	peak			



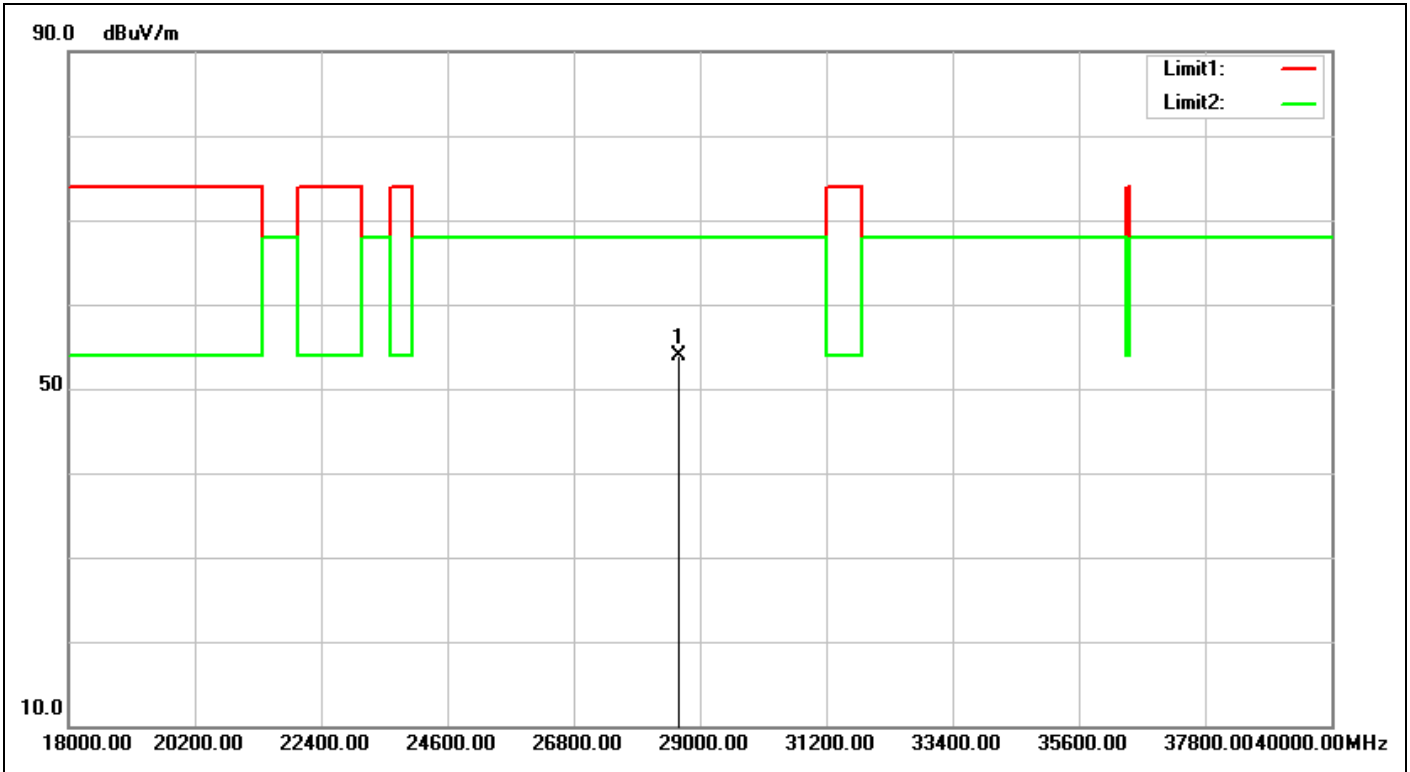
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:25:47
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30276.000	36.92	17.96	54.88	68.00	-13.12	peak			



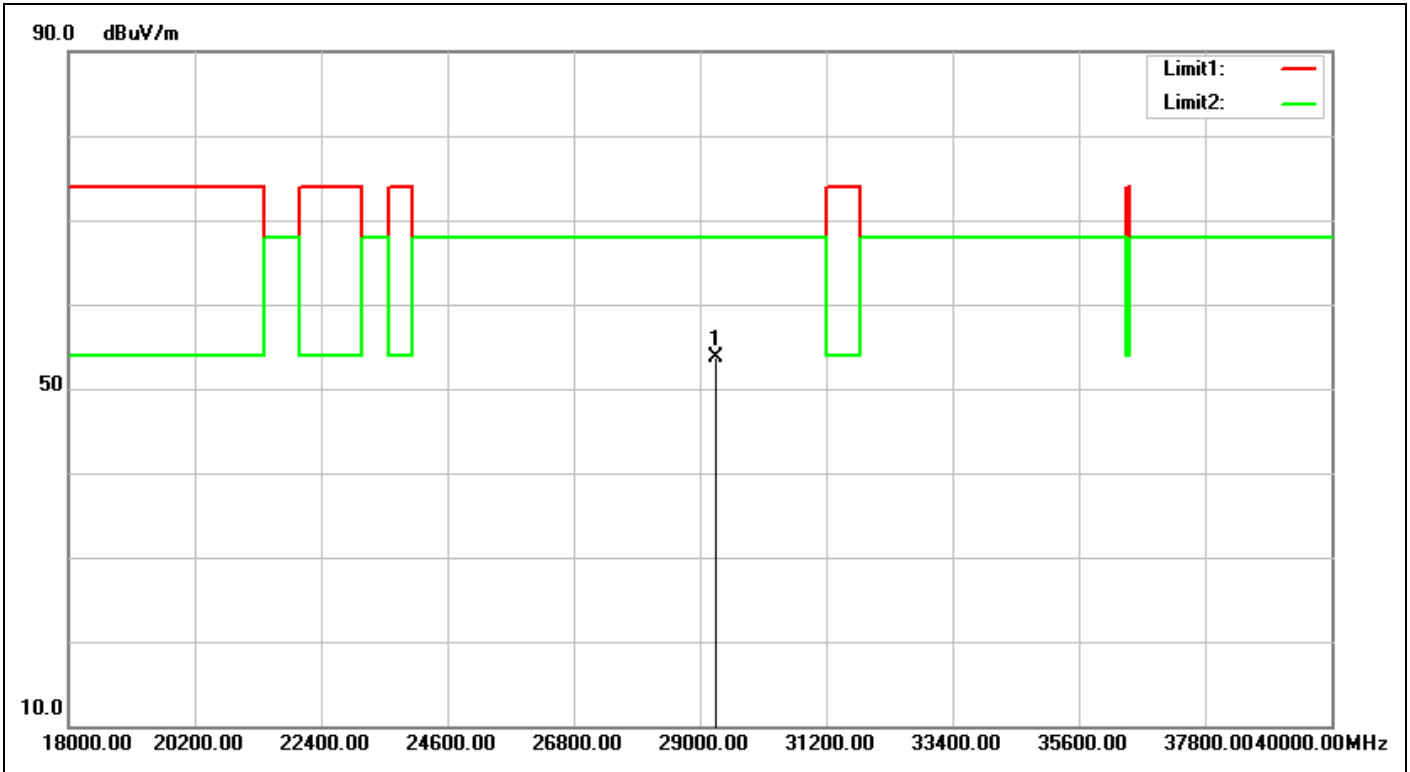
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:25:59
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	33818.000	38.32	19.11	57.43	68.00	-10.57	peak			



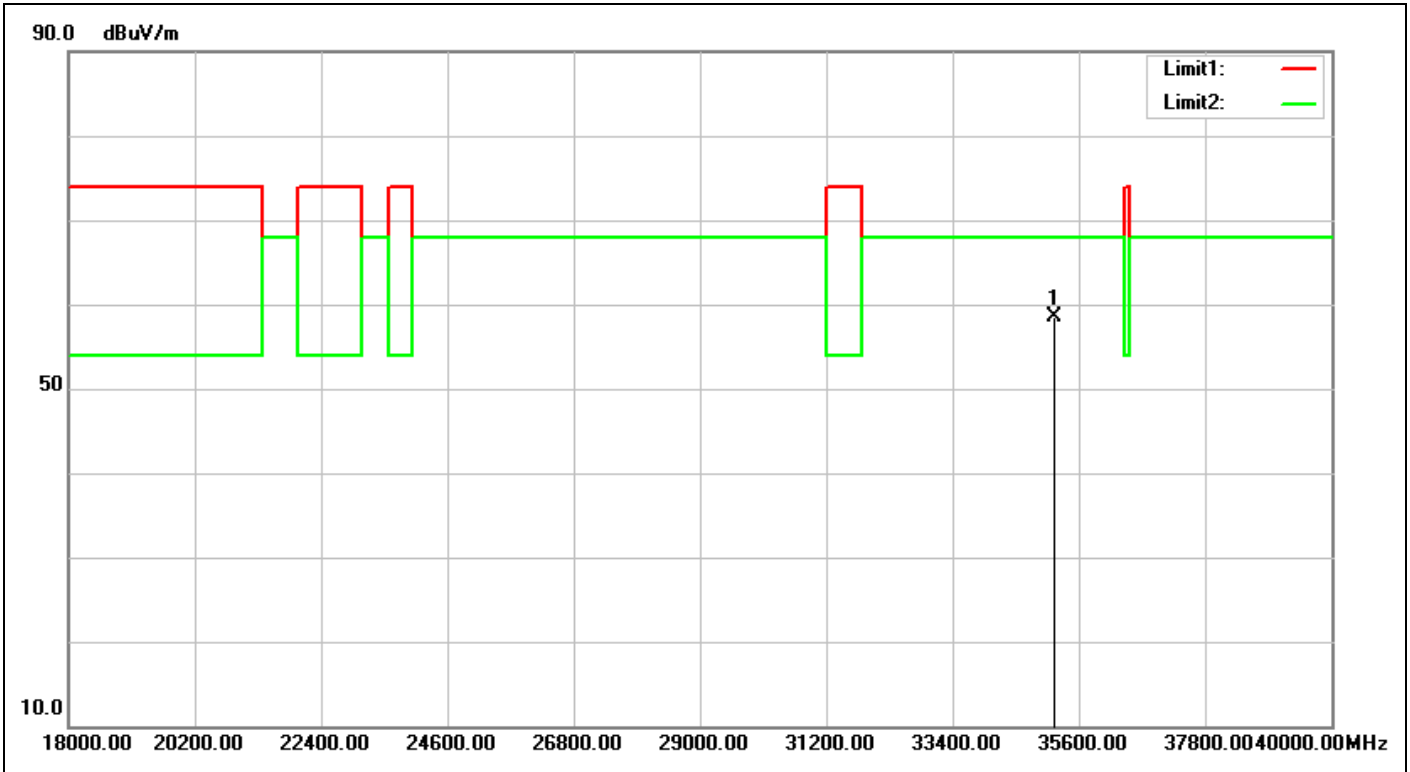
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:26:09
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28626.000	35.72	18.11	53.83	68.00	-14.17	peak			



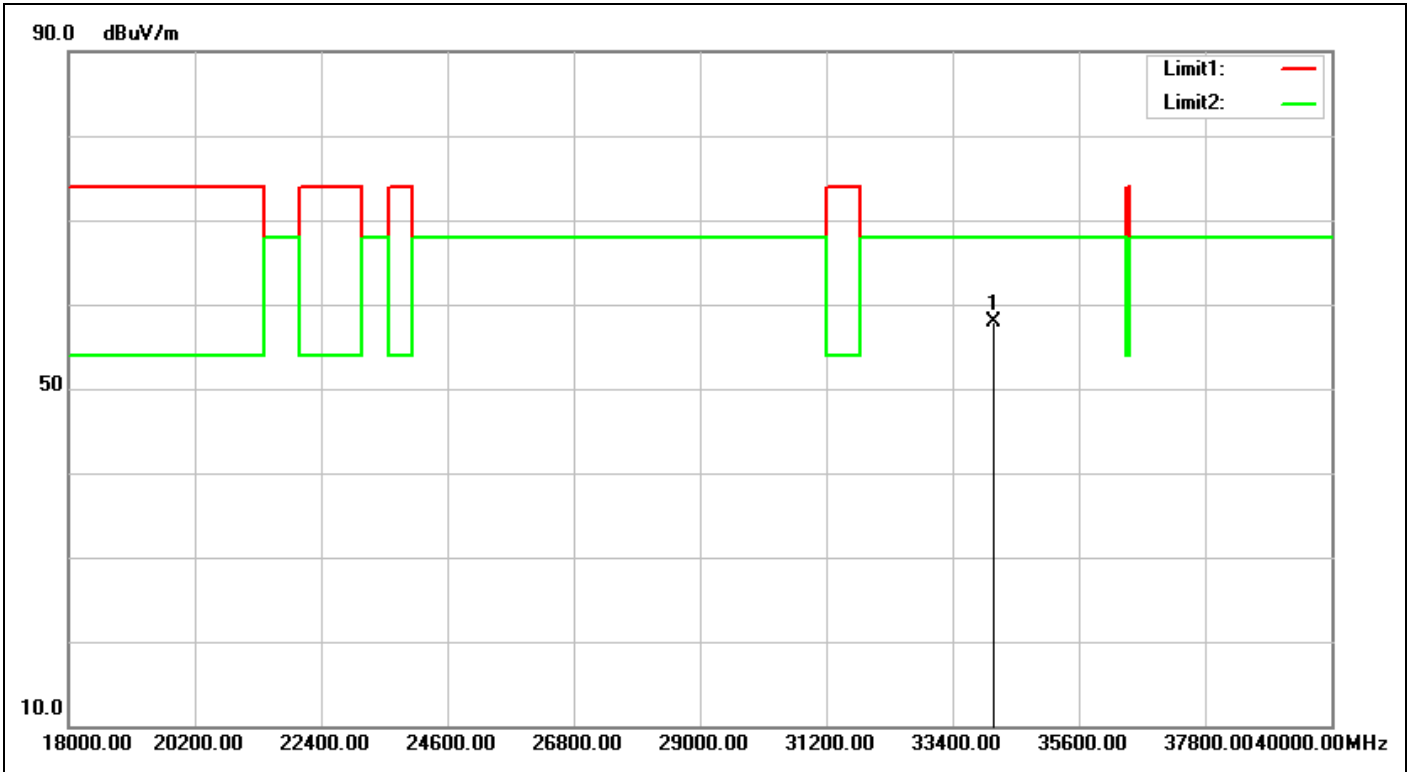
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:26:23
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	29286.000	36.15	17.64	53.79	68.00	-14.21	peak			



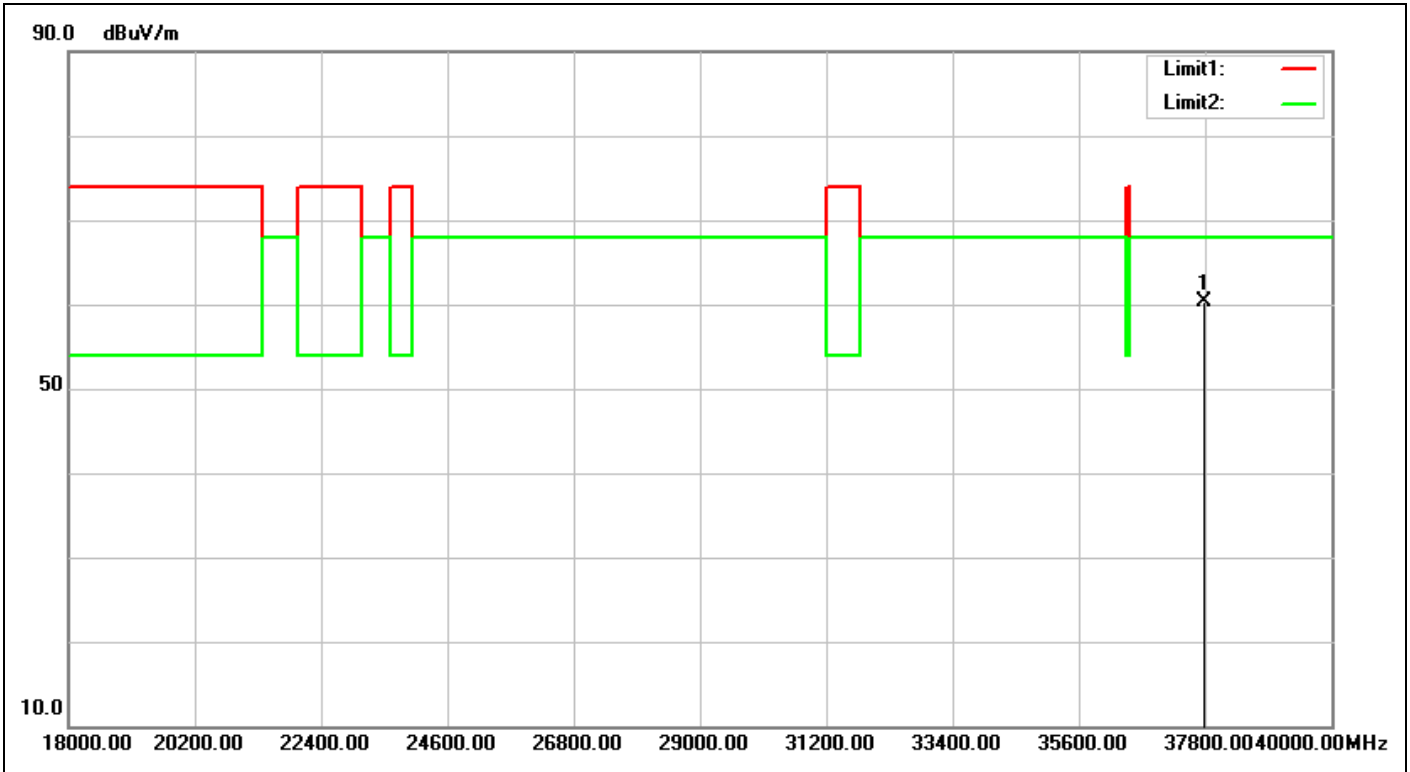
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:26:32
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35160.000	38.81	19.69	58.50	68.00	-9.50	peak			



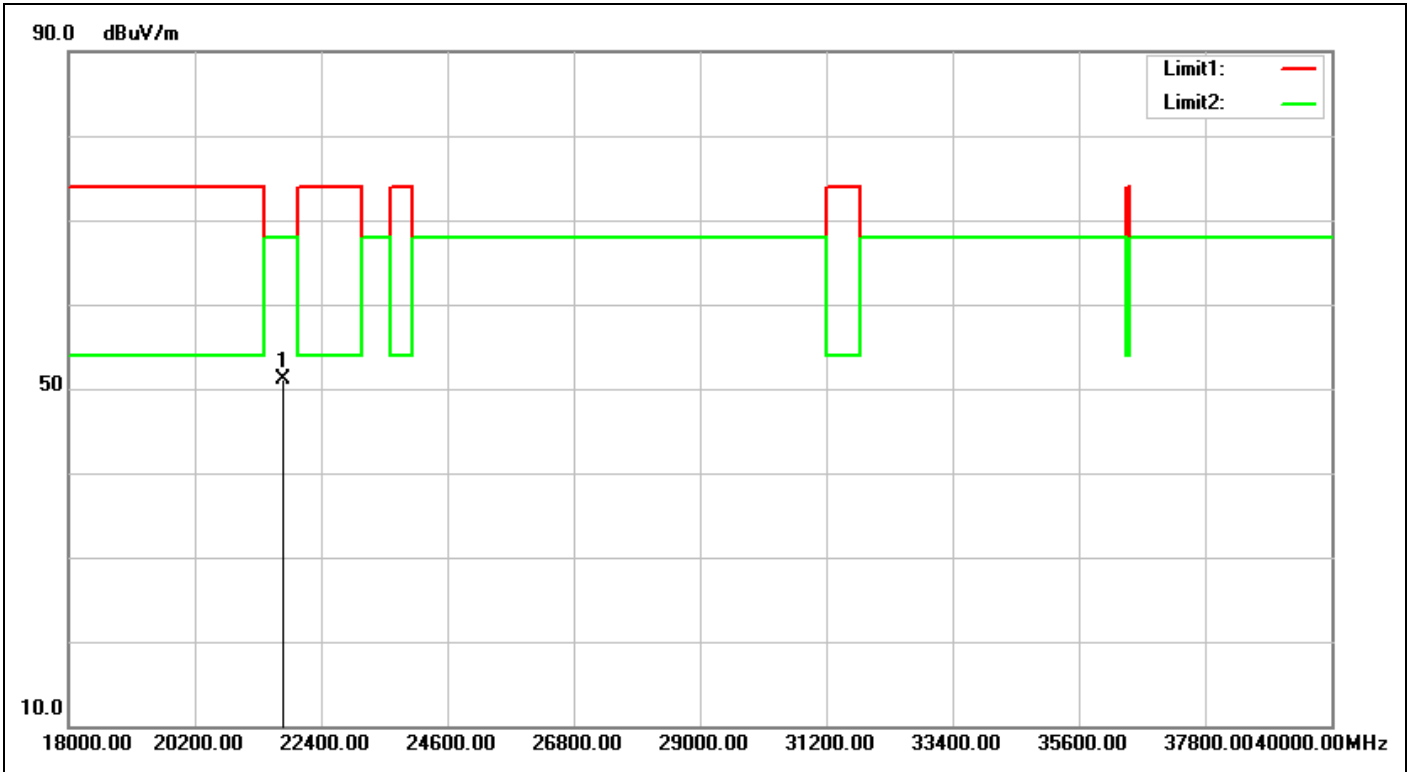
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:26:45
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34104.000	38.44	19.43	57.87	68.00	-10.13	peak			



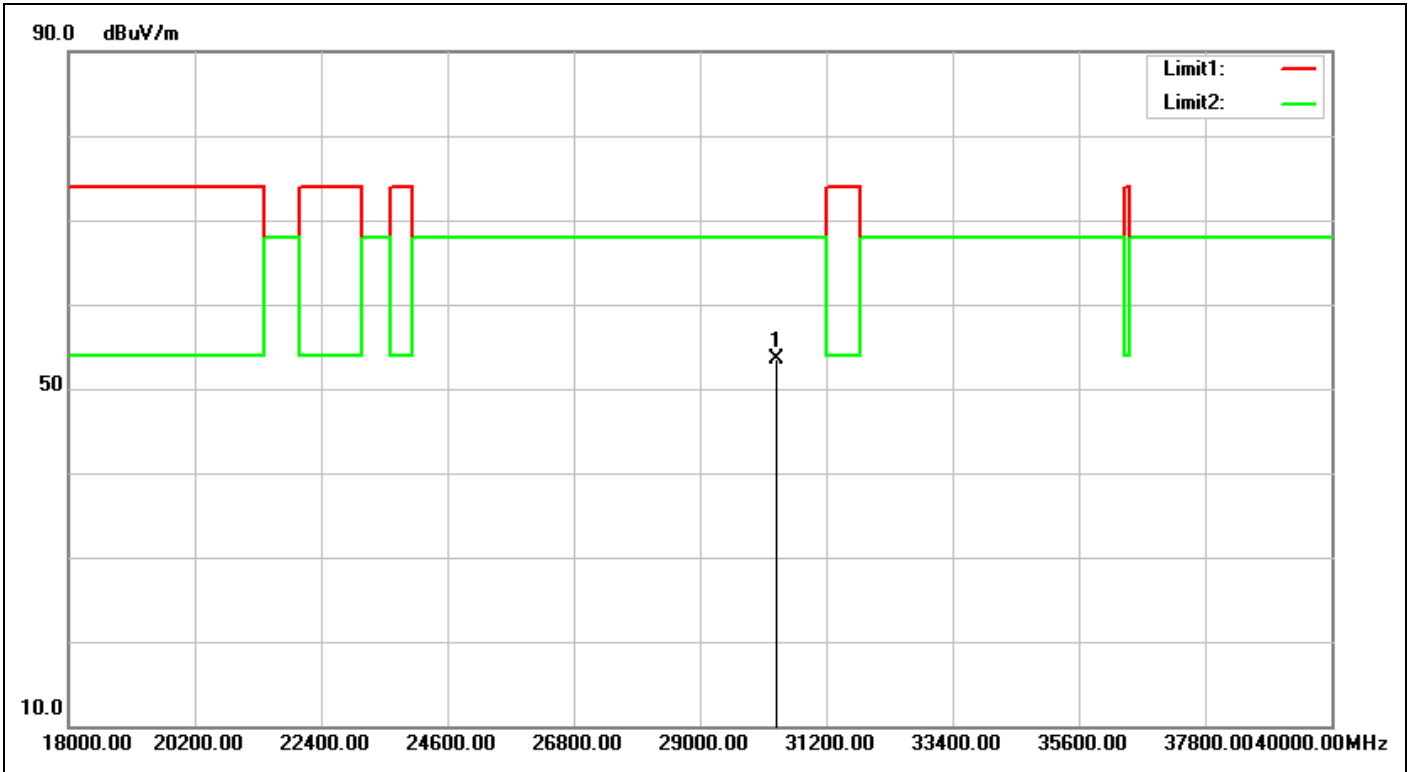
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:26:53
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37778.000	38.53	21.83	60.36	68.00	-7.64	peak			



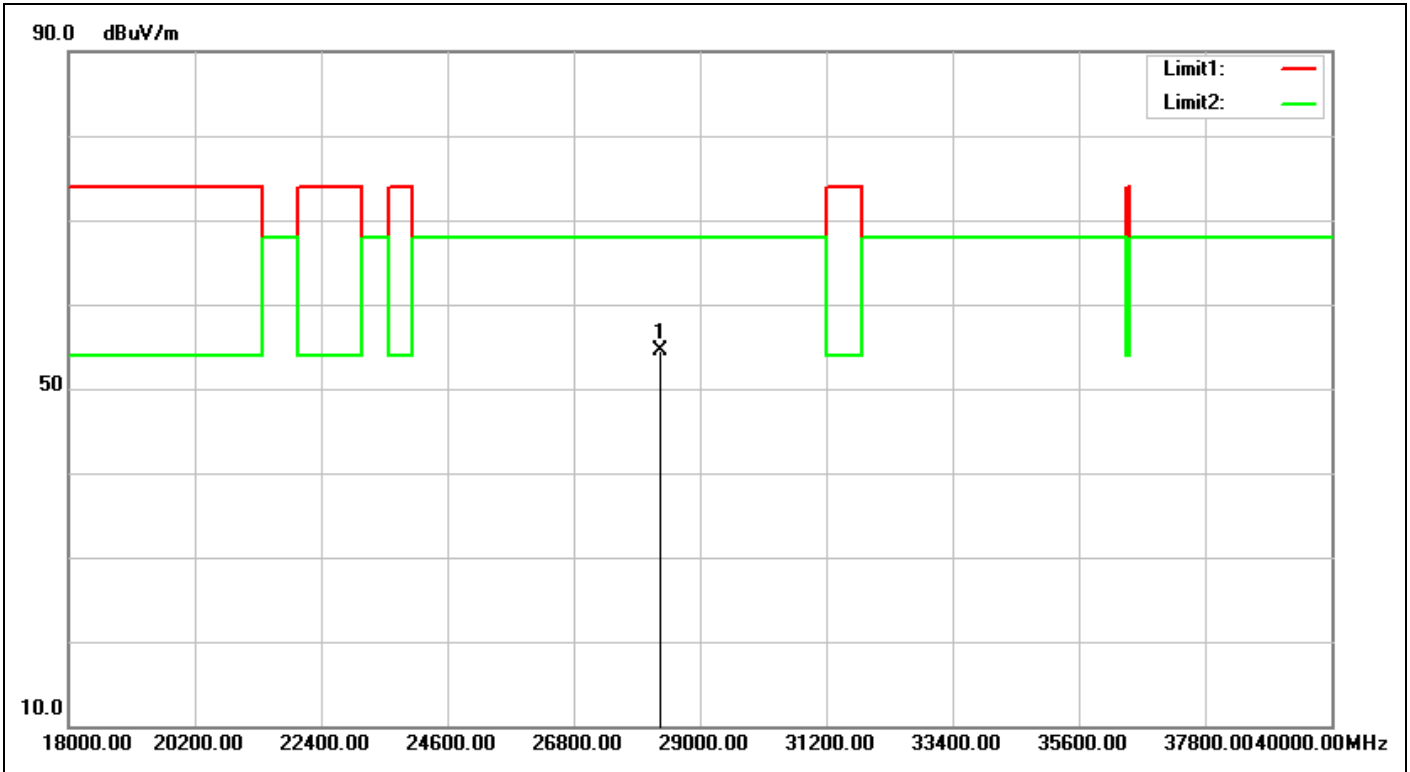
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:04
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21740.000	32.87	18.22	51.09	68.00	-16.91	peak			



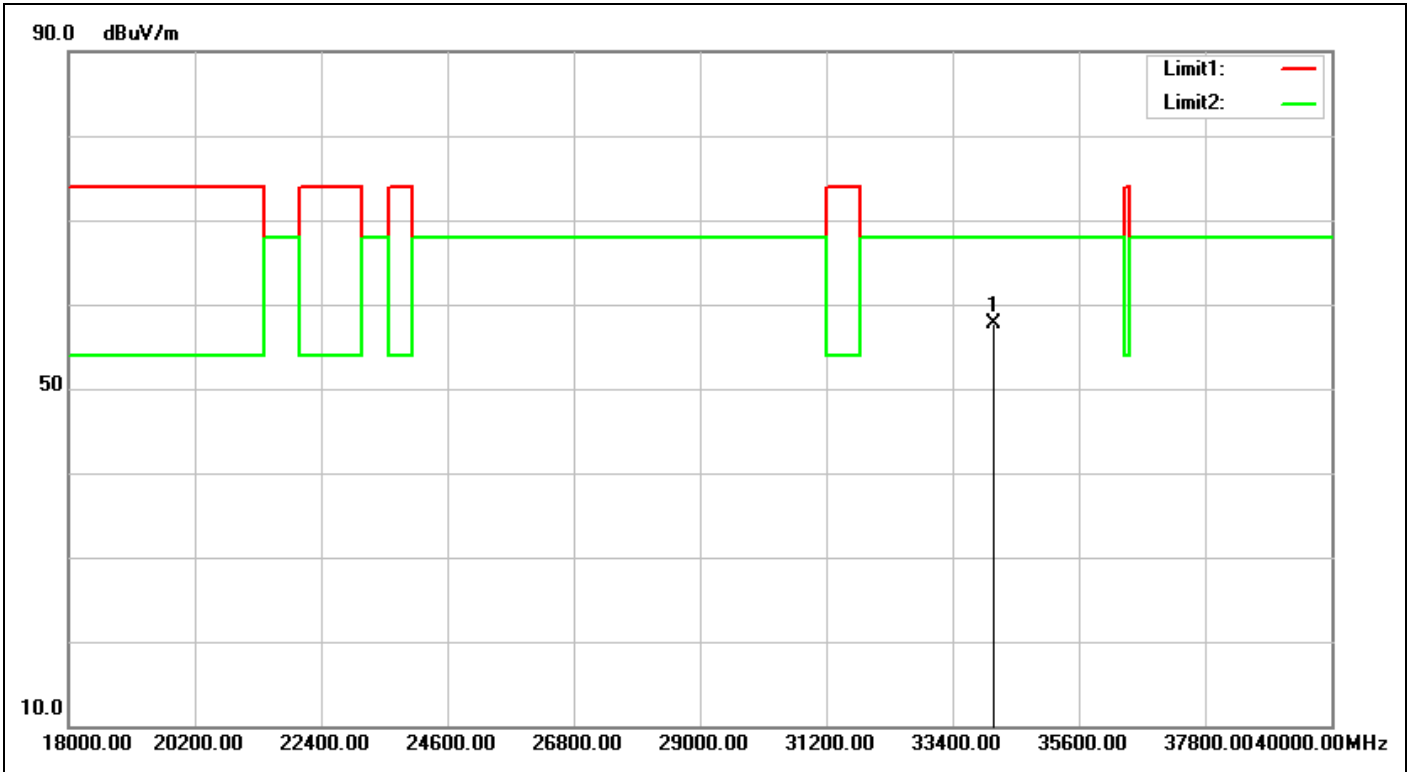
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:14
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30320.000	36.96	16.59	53.55	68.00	-14.45	peak			



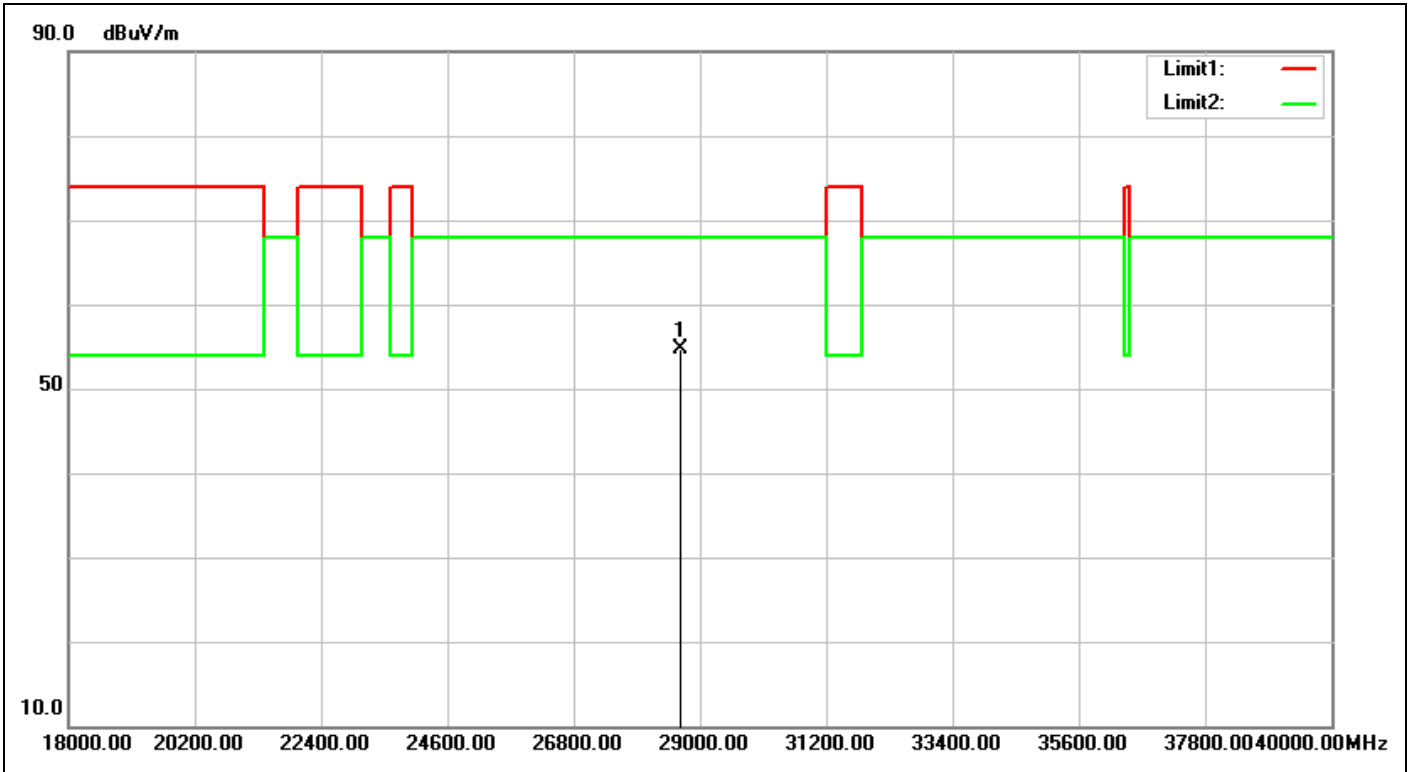
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:29
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28296.000	35.39	19.13	54.52	68.00	-13.48	peak			



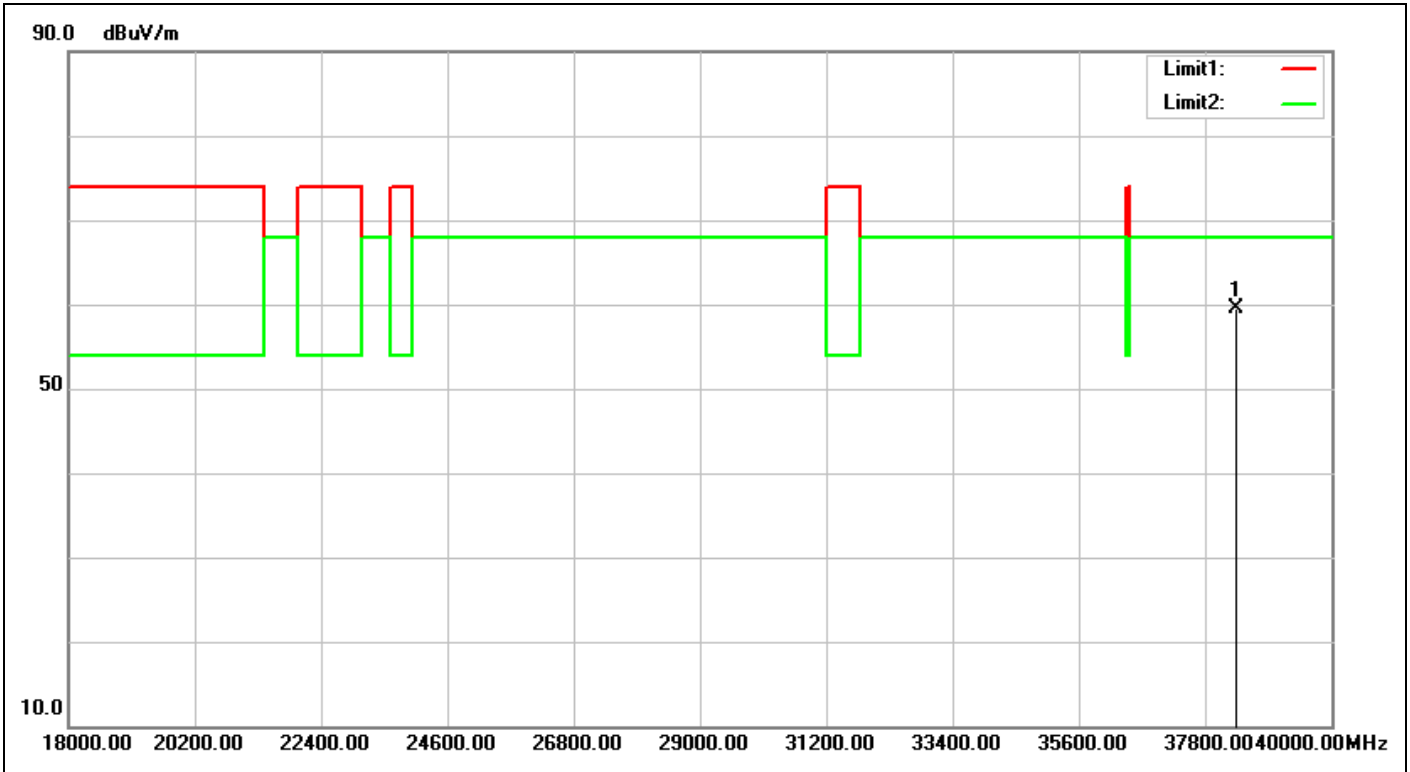
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:37
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34104.000	38.44	19.35	57.79	68.00	-10.21	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:49
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28648.000	35.73	18.93	54.66	68.00	-13.34	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:27:57
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38350.000	38.00	21.51	59.51	68.00	-8.49	peak			

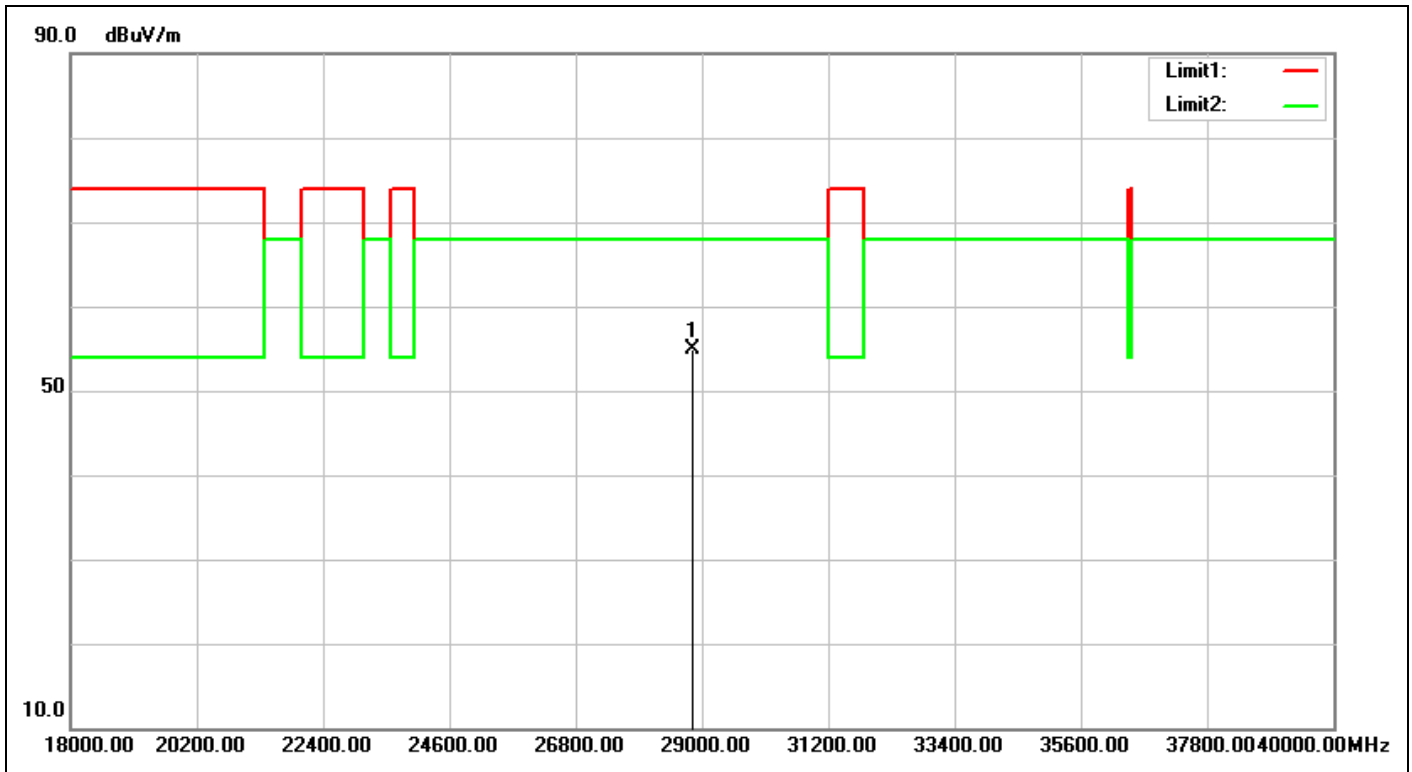
Spurious Emissions, TX Mode, 18-40G , 5725-5850MHz



TUV Taiwan

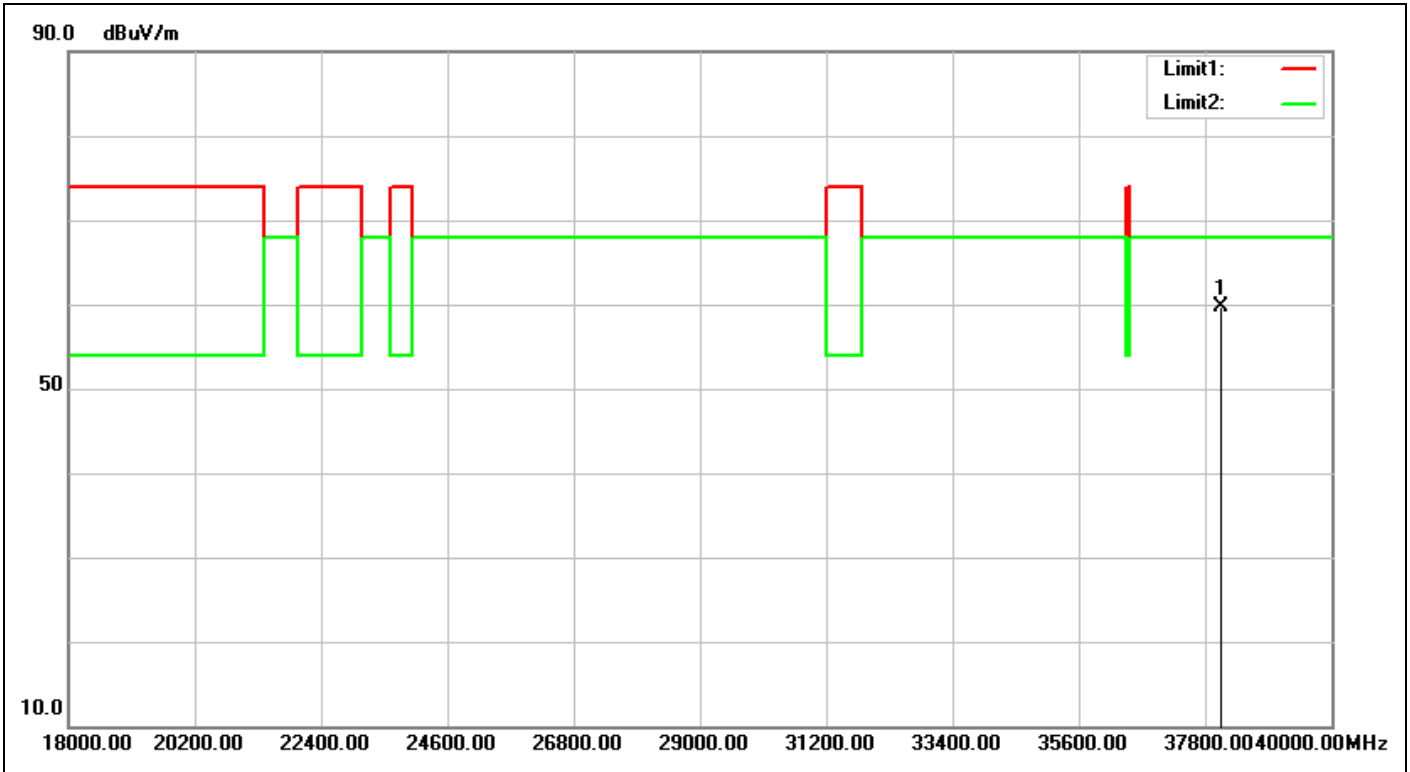
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



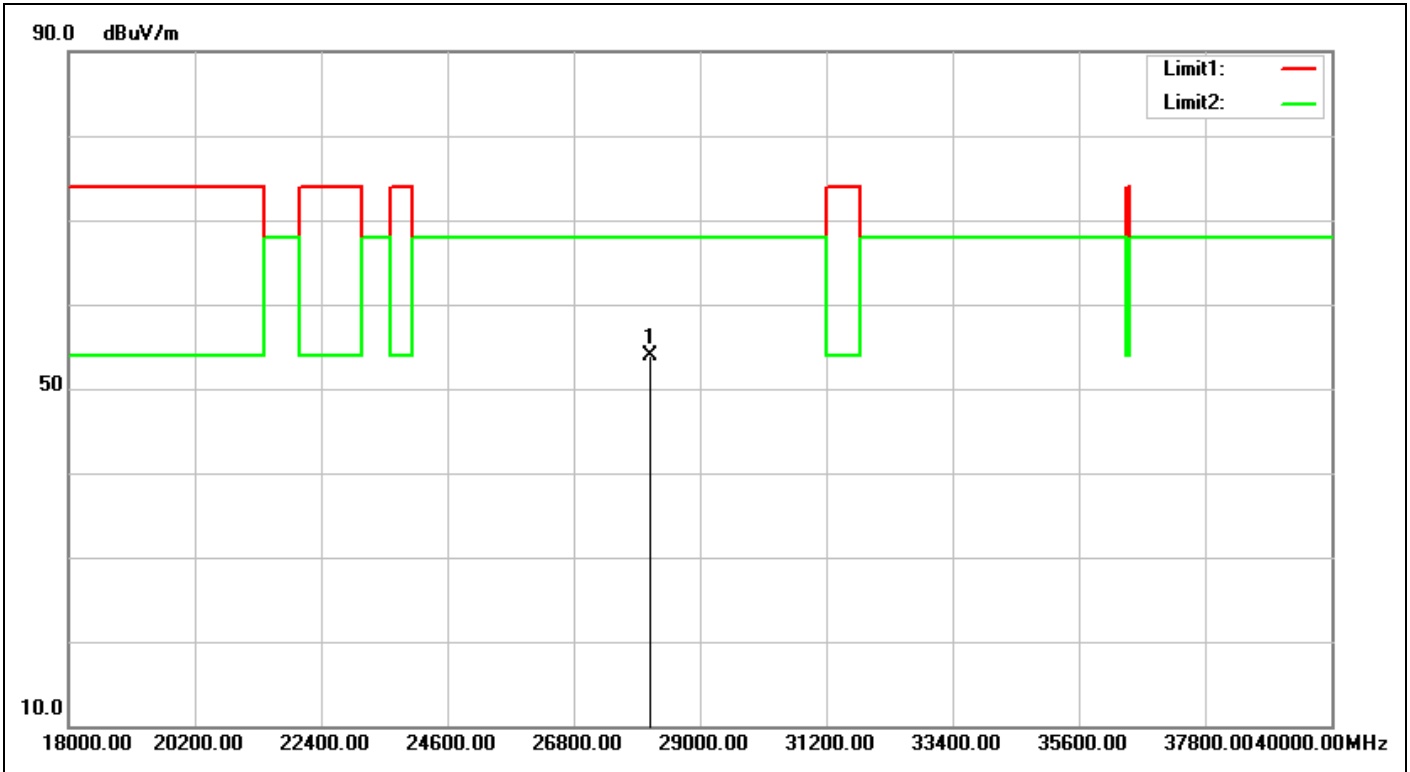
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:28:39
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28824.000	35.89	19.11	55.00	68.00	-13.00	peak			



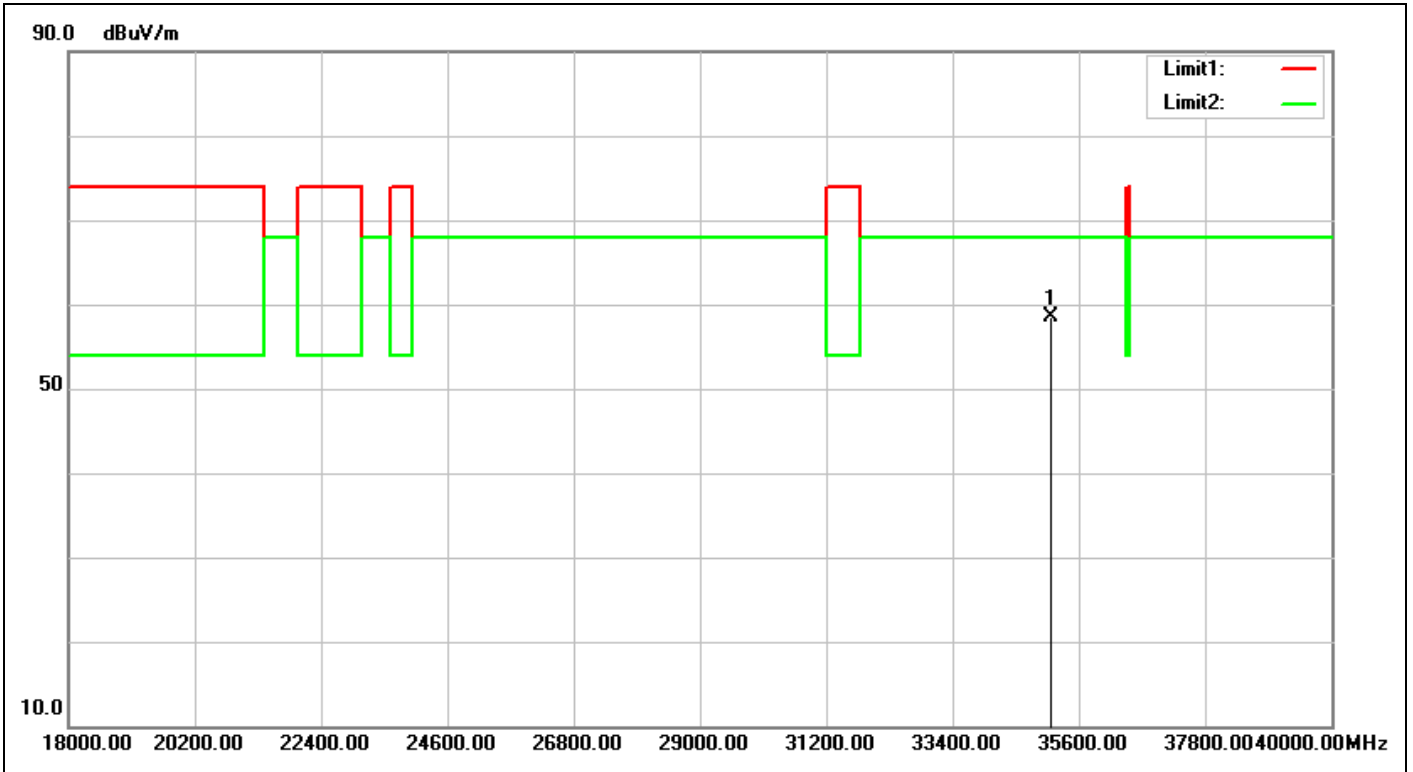
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:28:47
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38064.000	38.22	21.47	59.69	68.00	-8.31	peak			



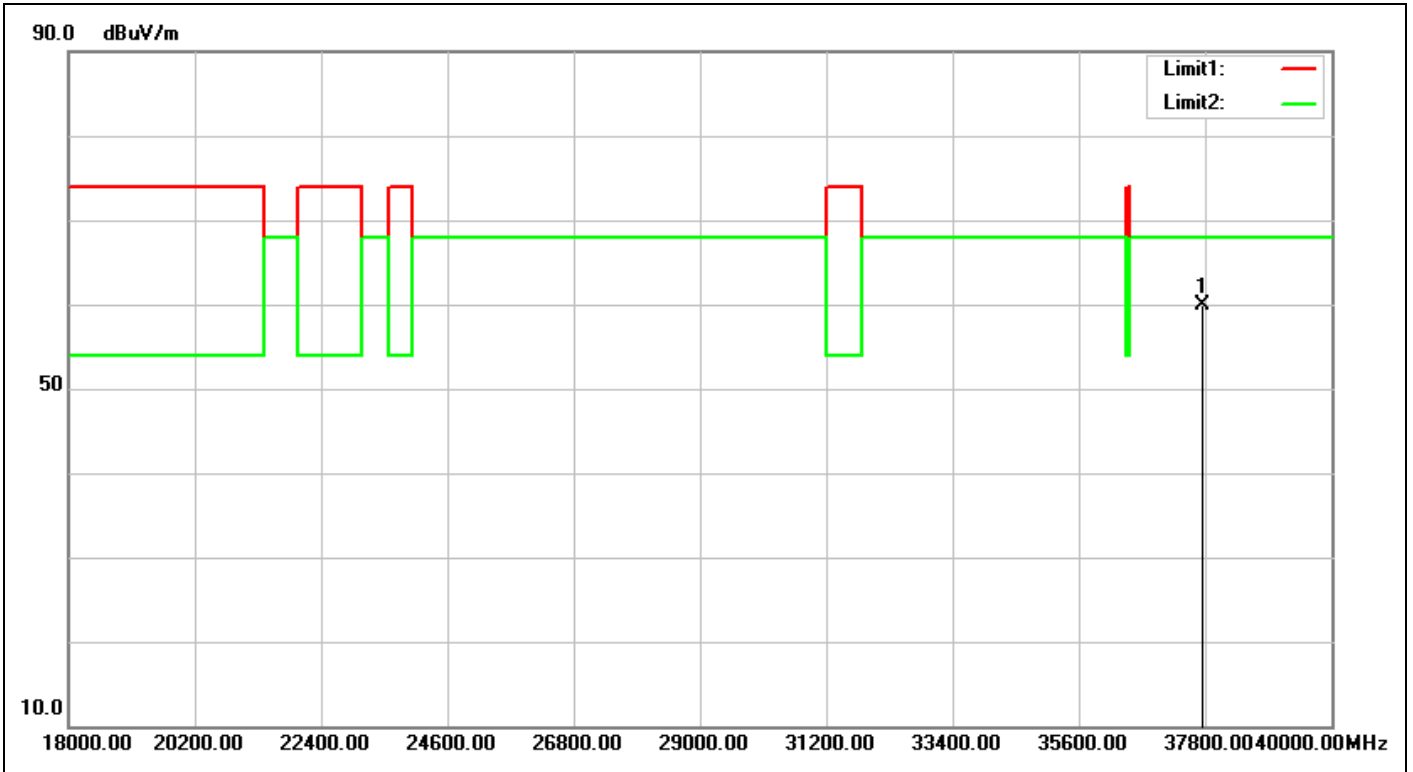
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:28:58
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28142.000	35.23	18.60	53.83	68.00	-14.17	peak			



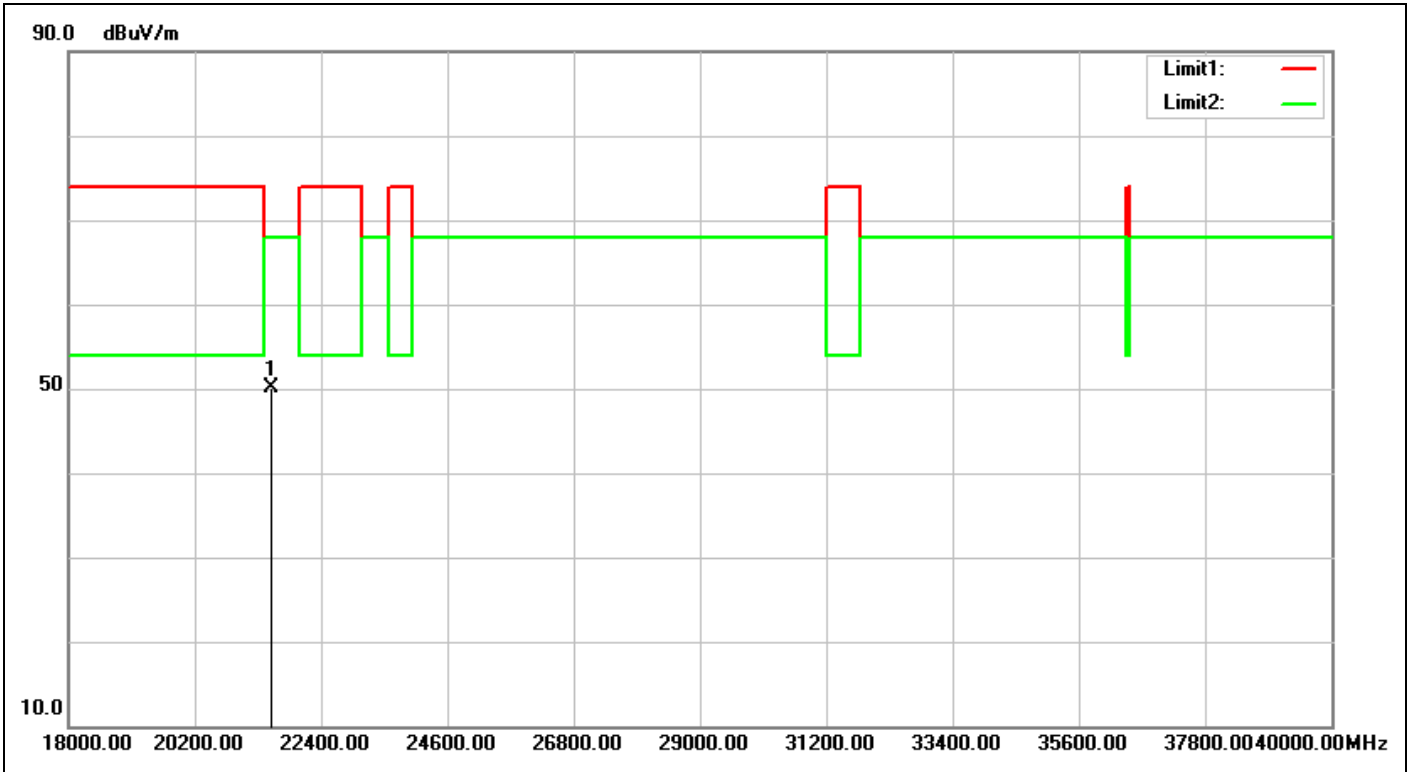
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:29:06
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35116.000	38.87	19.59	58.46	68.00	-9.54	peak			



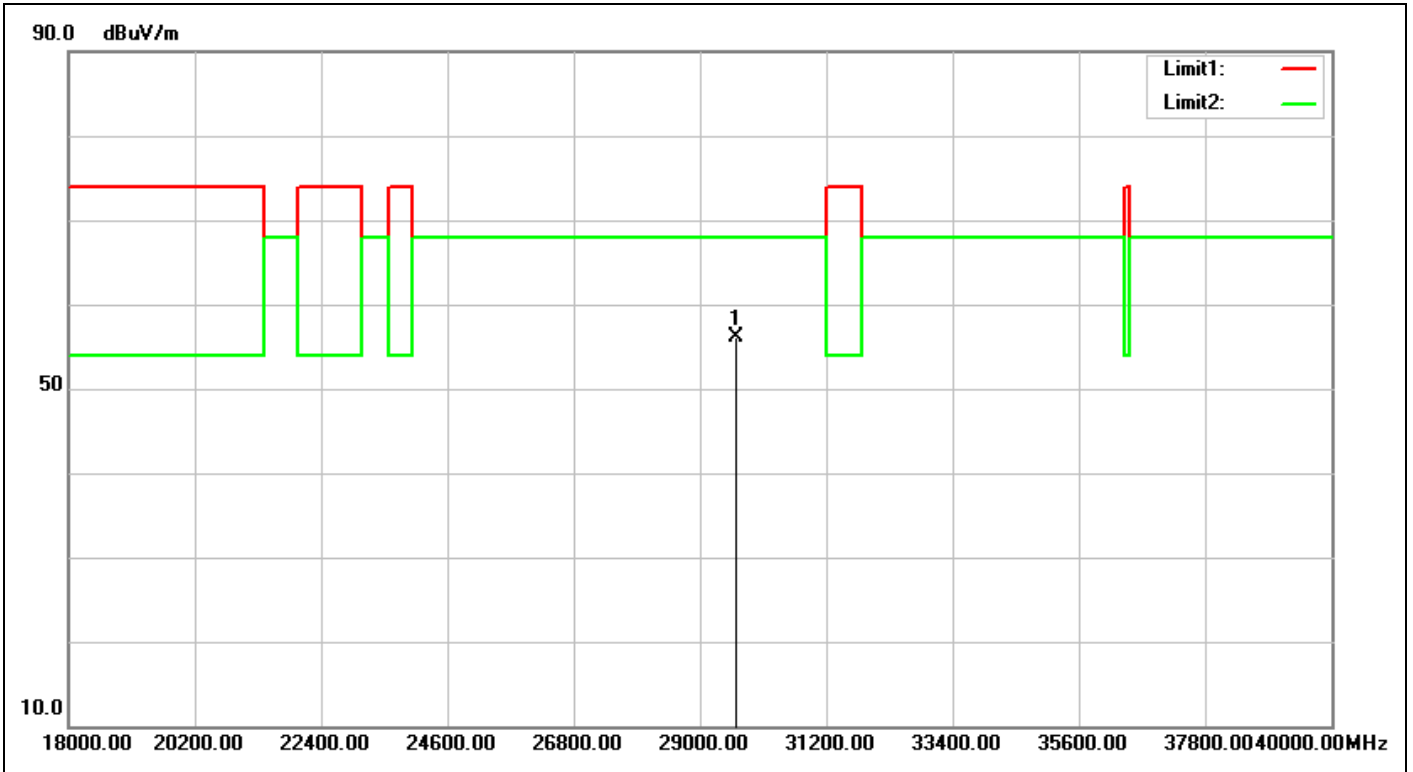
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:29:19
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37756.000	38.56	21.32	59.88	68.00	-8.12	peak			



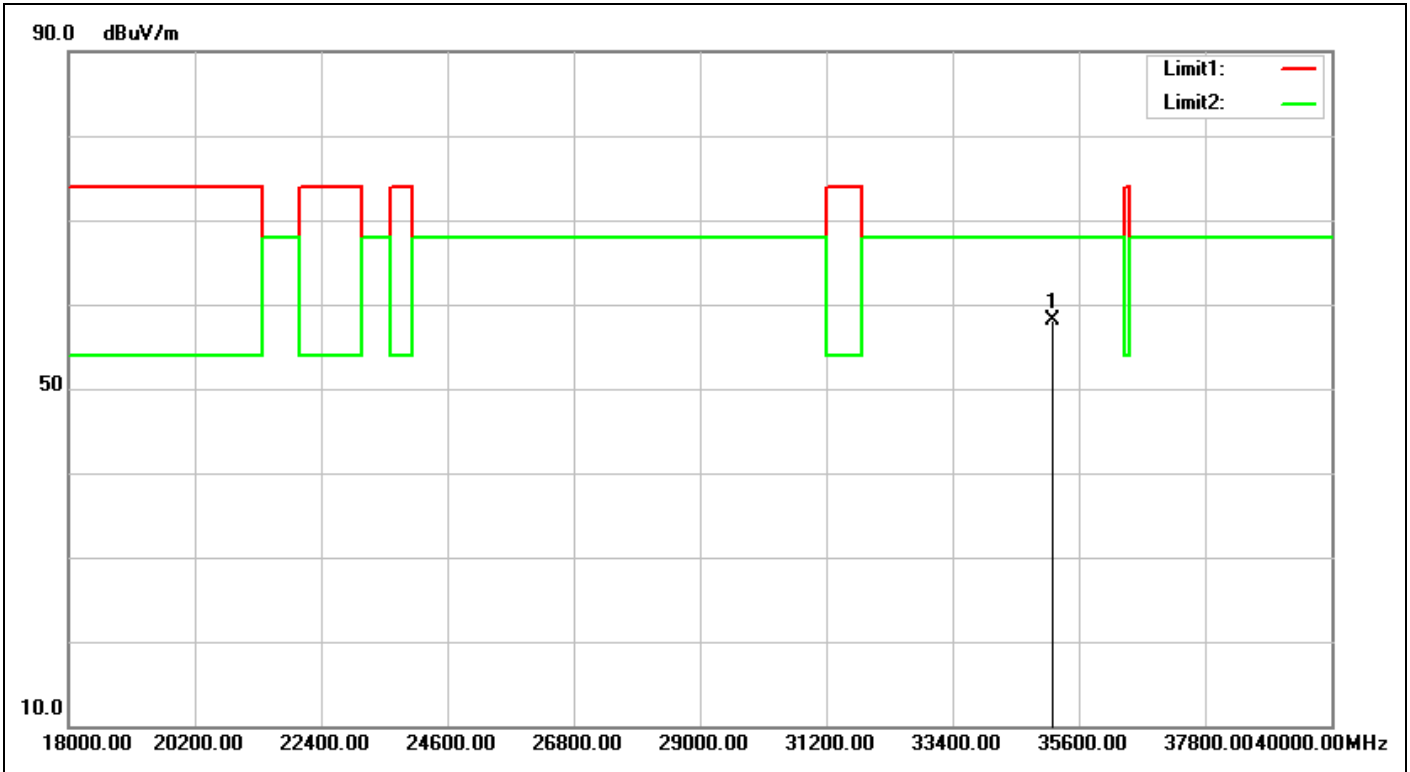
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:29:28
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21542.000	32.69	17.35	50.04	68.00	-17.96	peak			



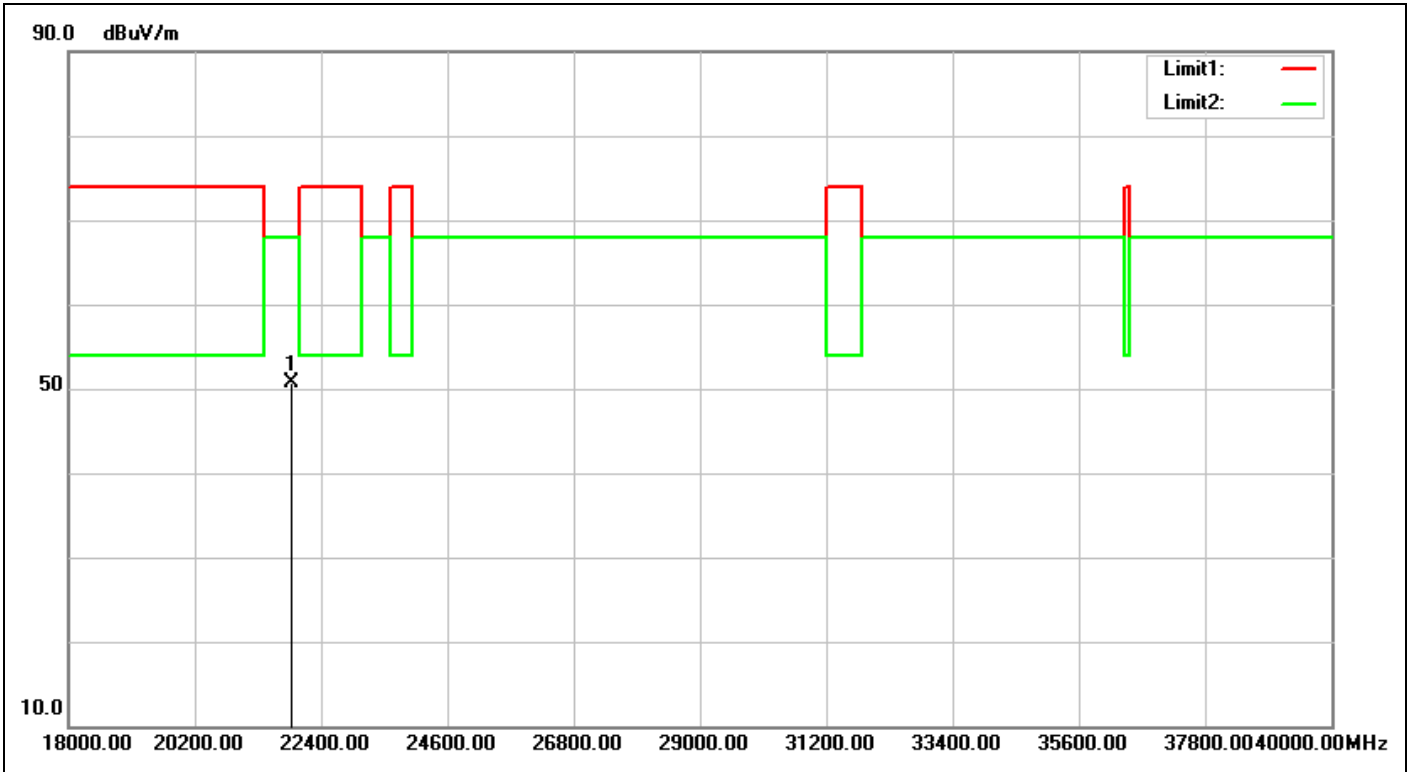
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:29:44
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	29616.000	36.33	19.79	56.12	68.00	-11.88	peak			



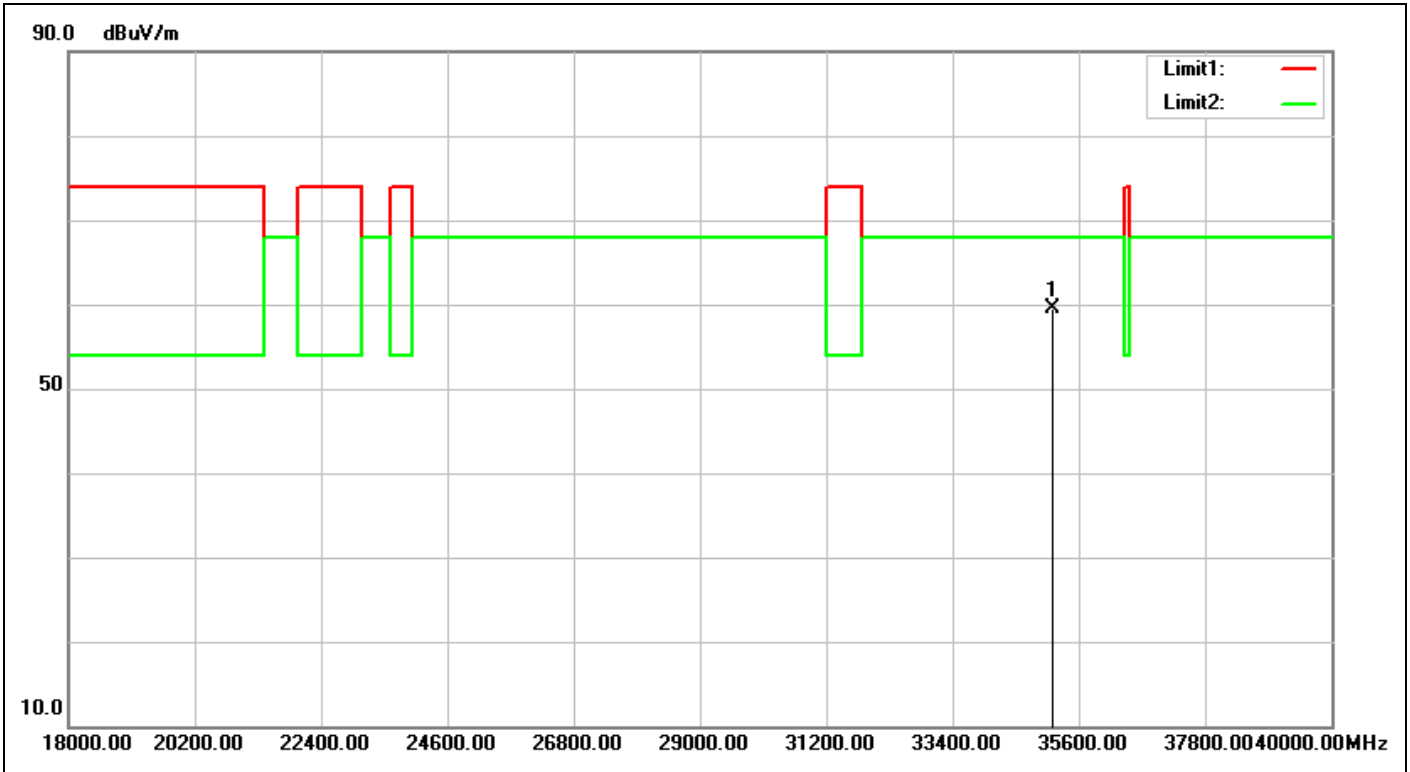
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:29:52
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35138.000	38.83	19.31	58.14	68.00	-9.86	peak			



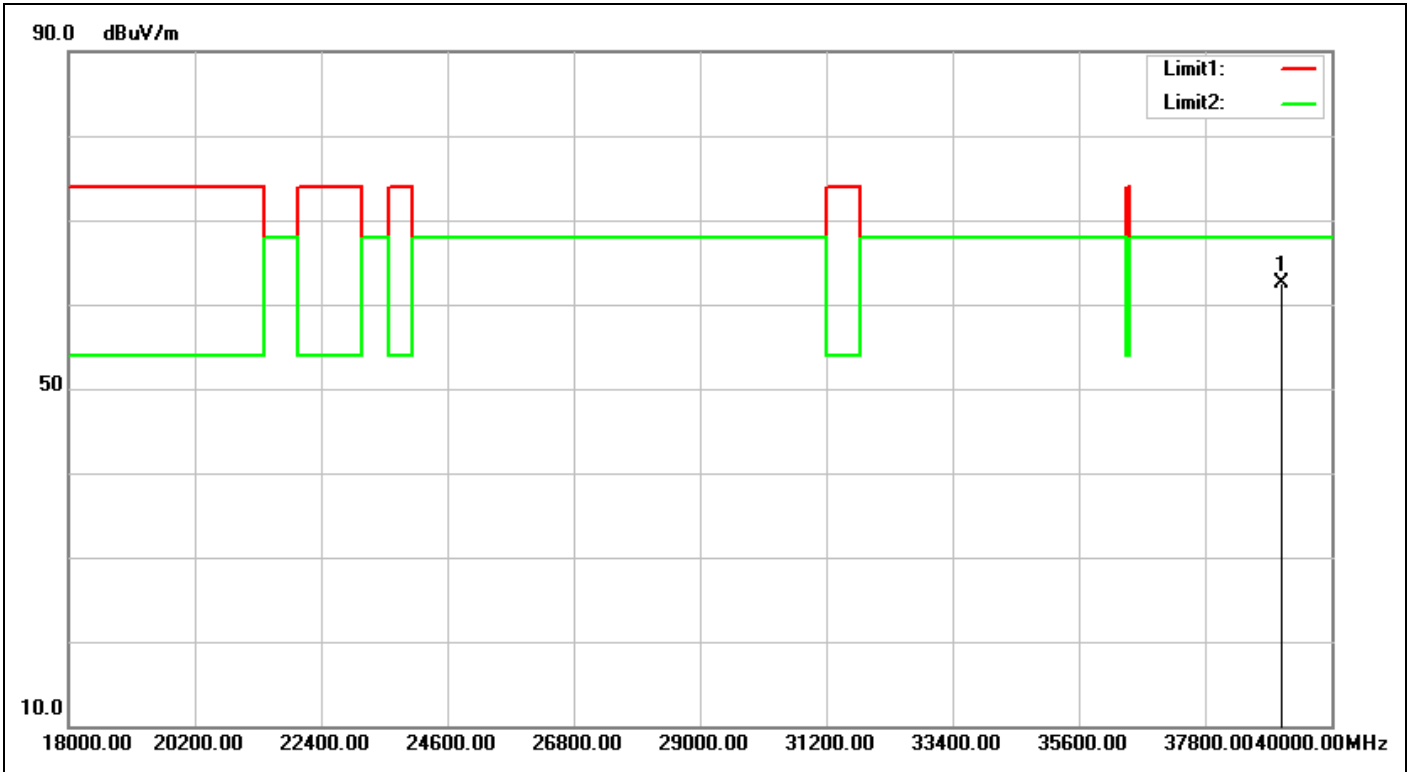
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:04
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21894.000	33.02	17.78	50.80	68.00	-17.20	peak			



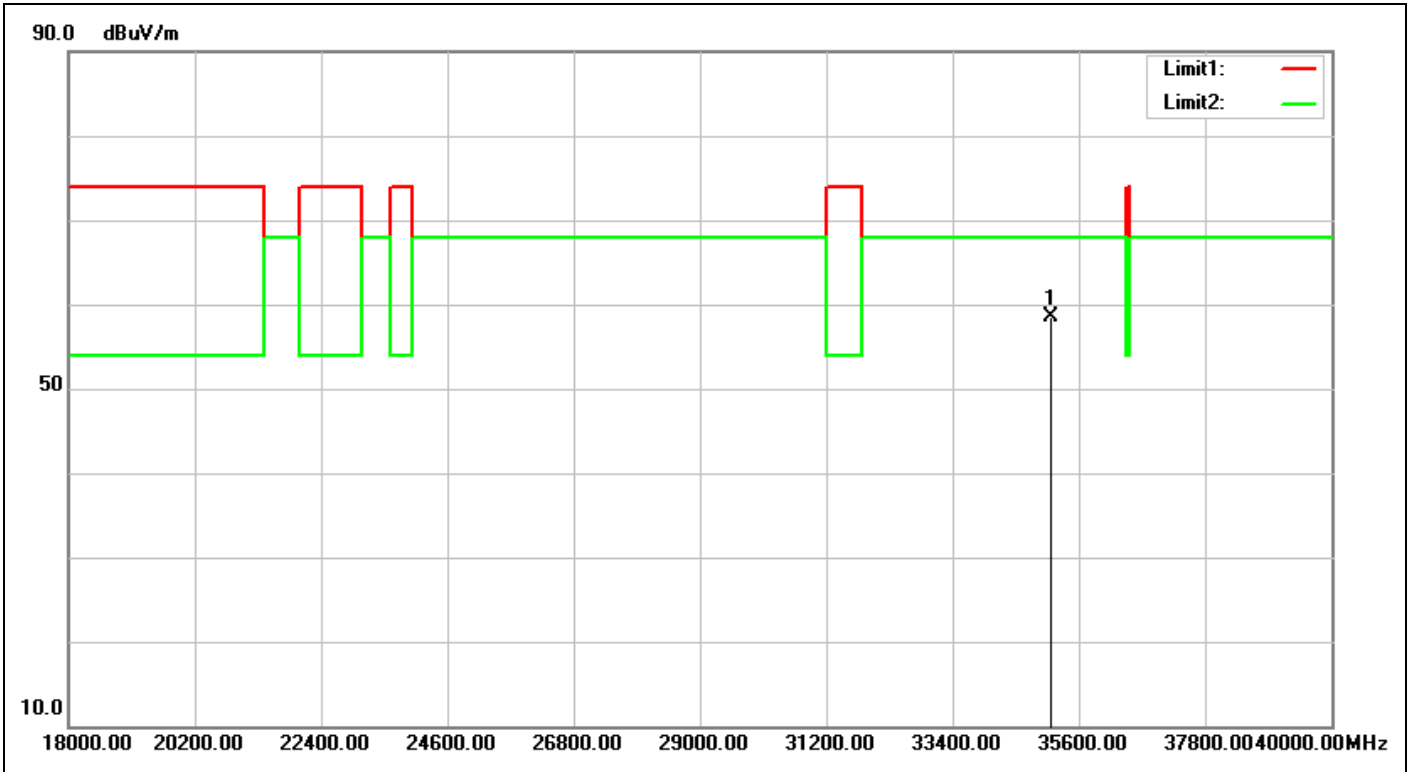
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:13
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35138.000	38.83	20.60	59.43	68.00	-8.57	peak			



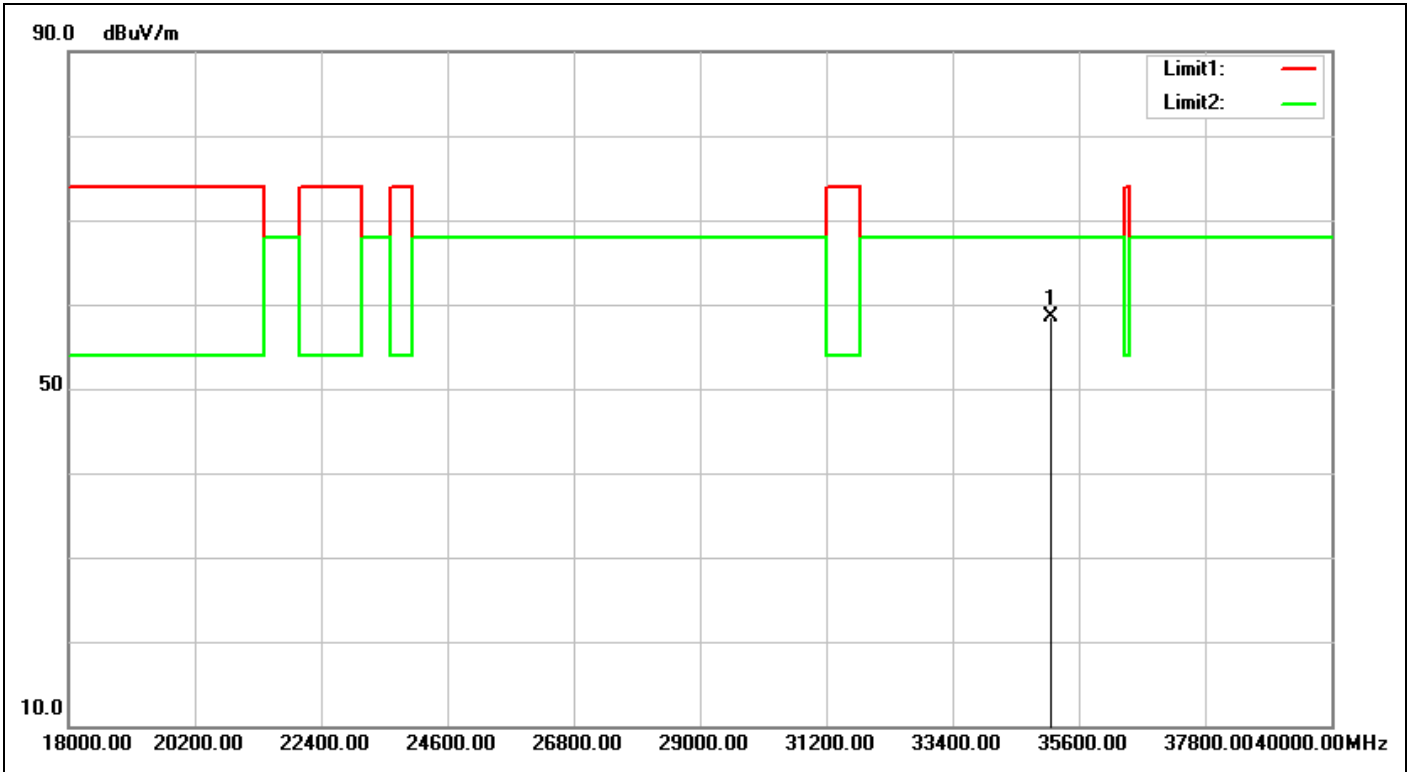
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:26
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	39142.000	38.84	23.67	62.51	68.00	-5.49	peak			



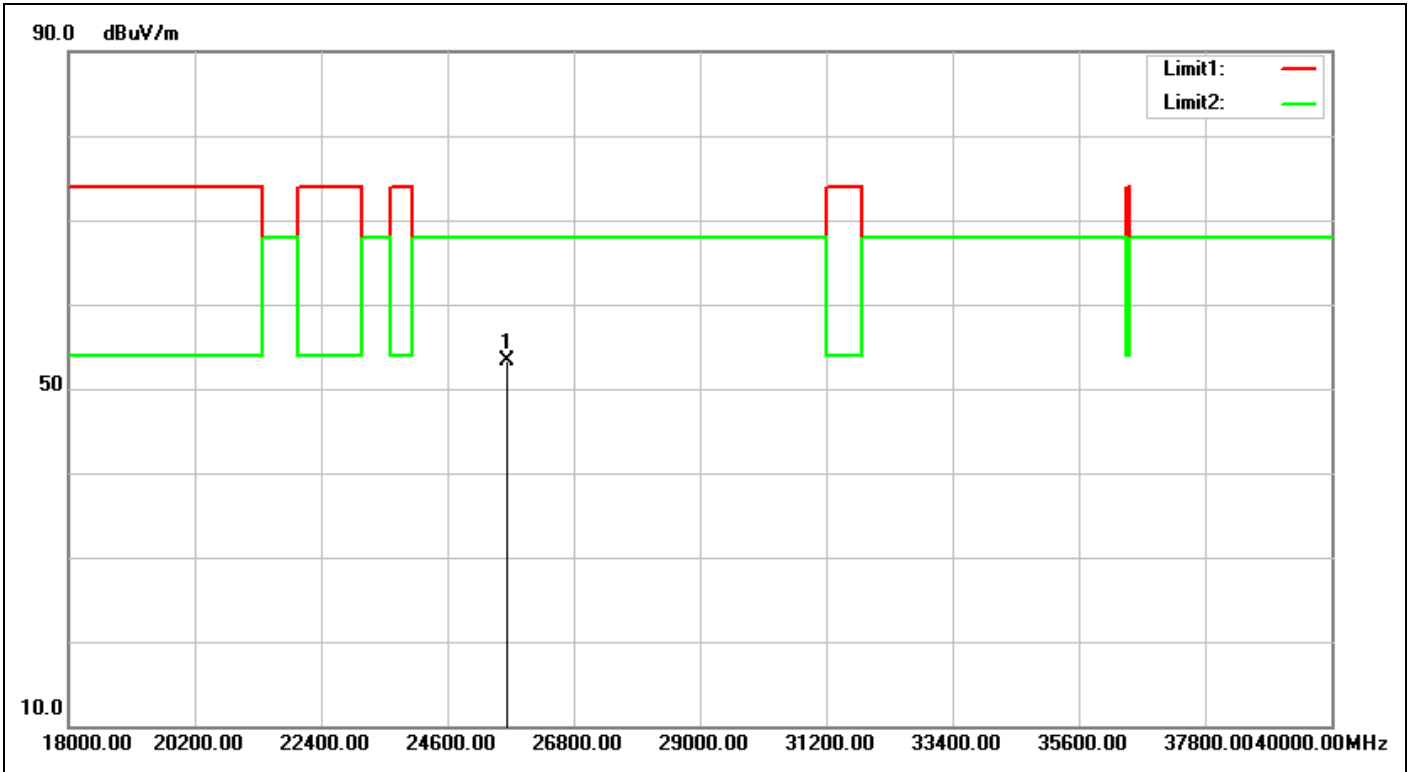
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:33
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35116.000	38.87	19.57	58.44	68.00	-9.56	peak			



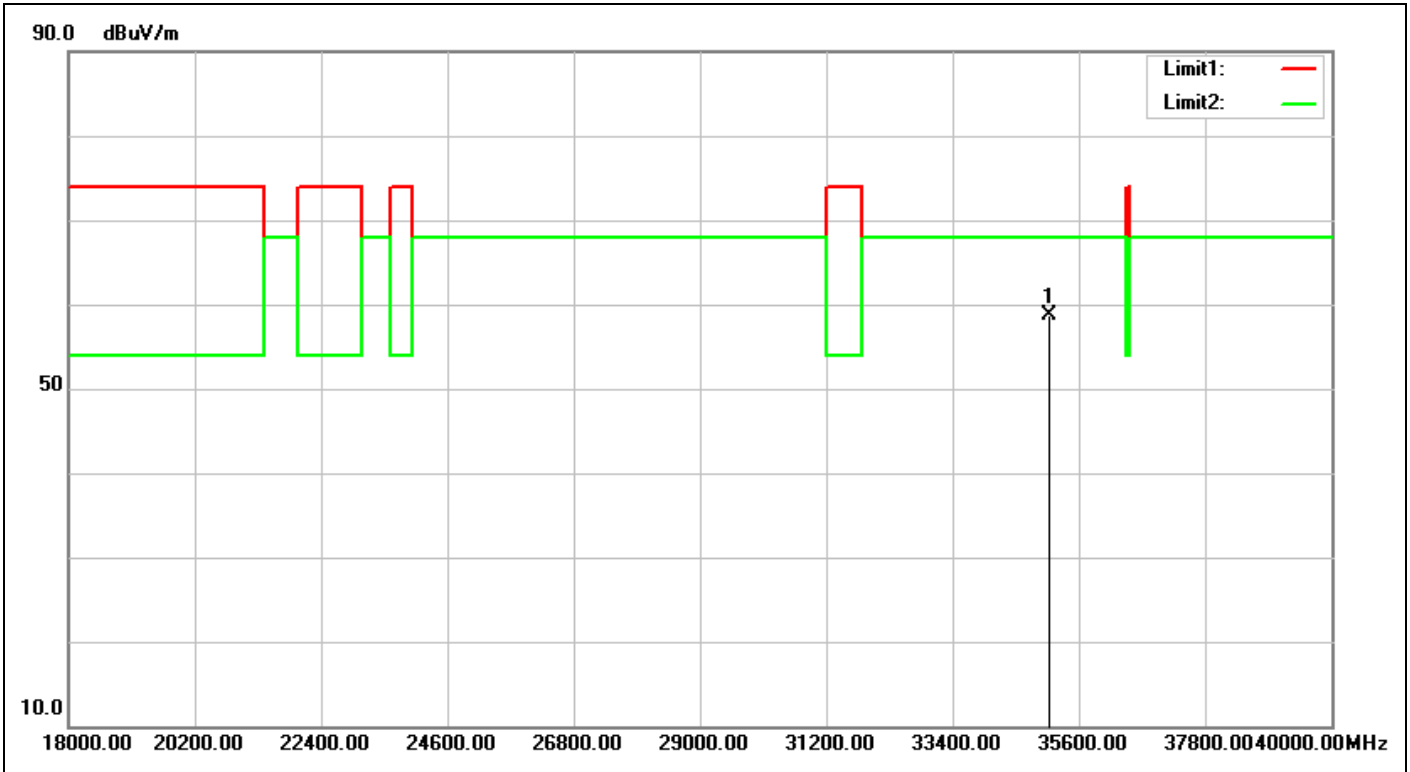
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:48
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35116.000	38.87	19.55	58.42	68.00	-9.58	peak			



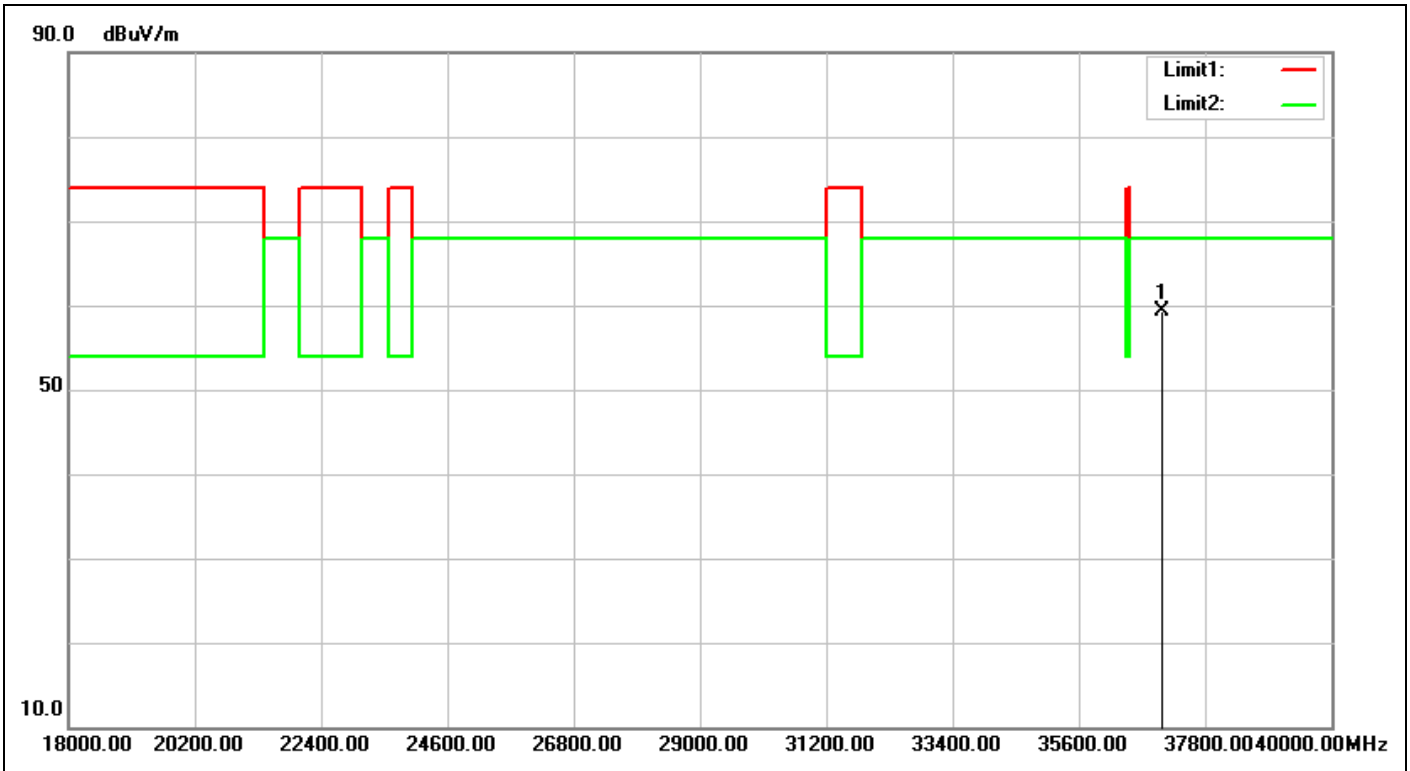
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:30:56
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25634.000	35.18	18.14	53.32	68.00	-14.68	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:31:09
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35094.000	38.90	19.89	58.79	68.00	-9.21	peak			



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:31:17
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37052.000	39.57	19.76	59.33	68.00	-8.67	peak			

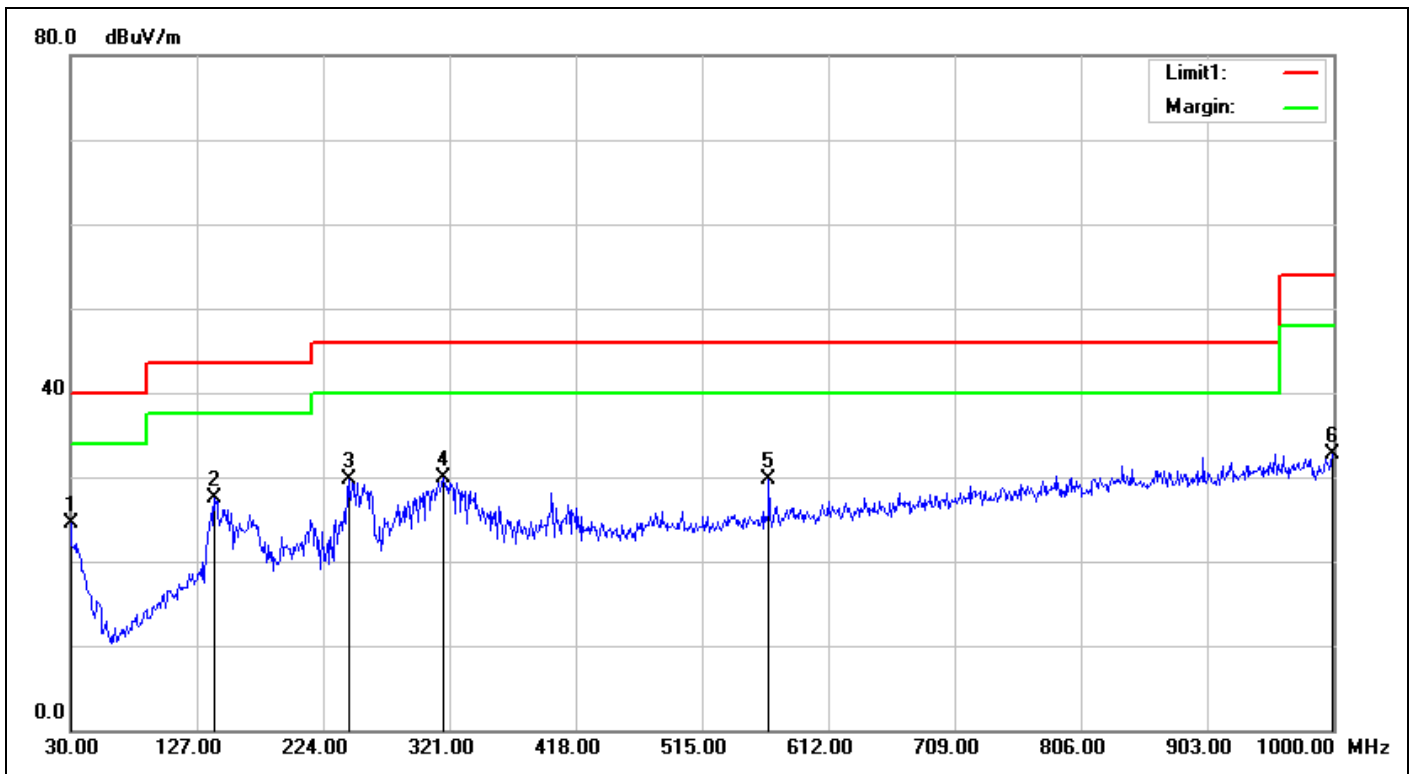
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

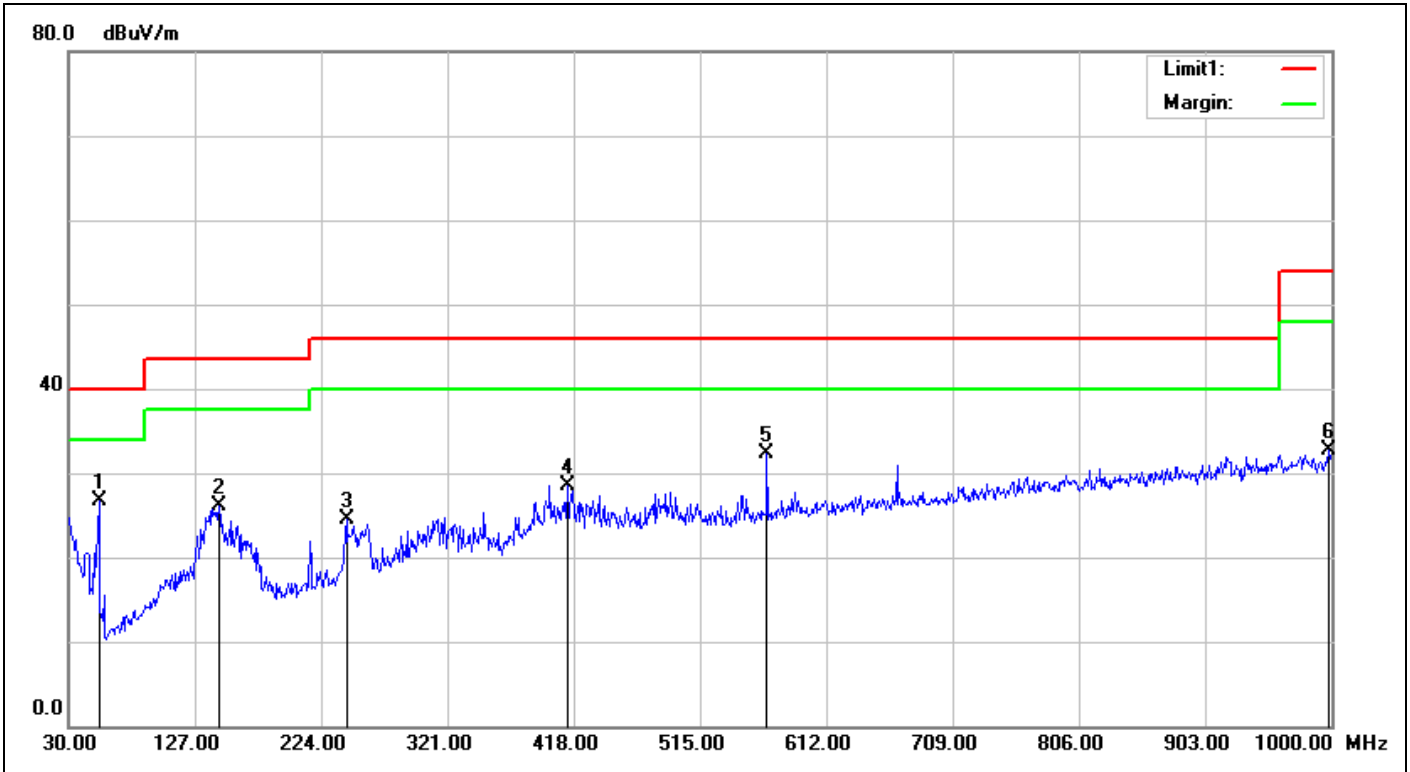
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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



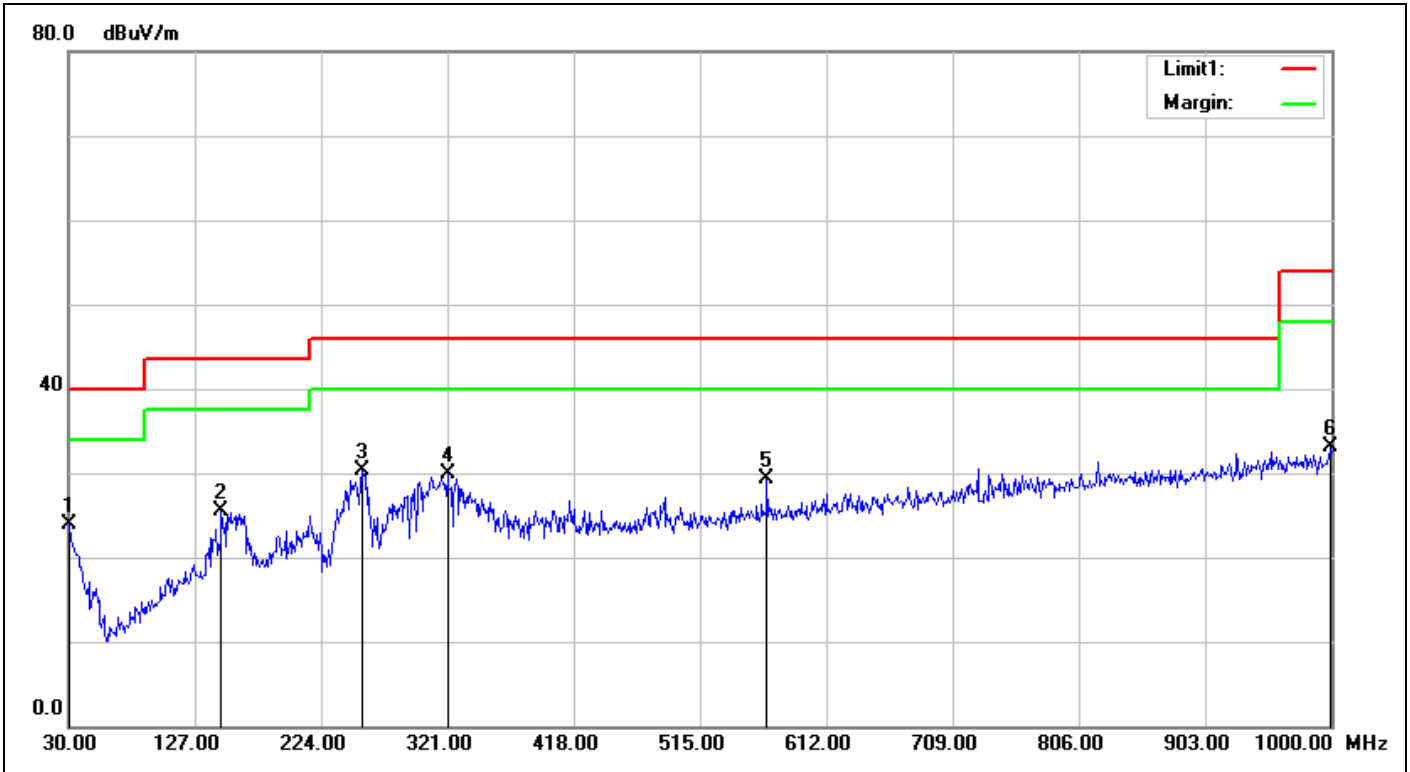
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:39:20
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.07	24.60	24.53	40.00	-15.47	QP	100	302	
2	140.5800	-7.03	34.48	27.45	43.50	-16.05	QP	100	174	
3	243.4000	-6.36	36.03	29.67	46.00	-16.33	QP	100	246	
4	316.1500	-4.15	33.99	29.84	46.00	-16.16	QP	100	291	
5	566.4100	-0.52	30.31	29.79	46.00	-16.21	QP	100	222	
6	999.0300	5.83	26.84	32.67	54.00	-21.33	QP	100	358	



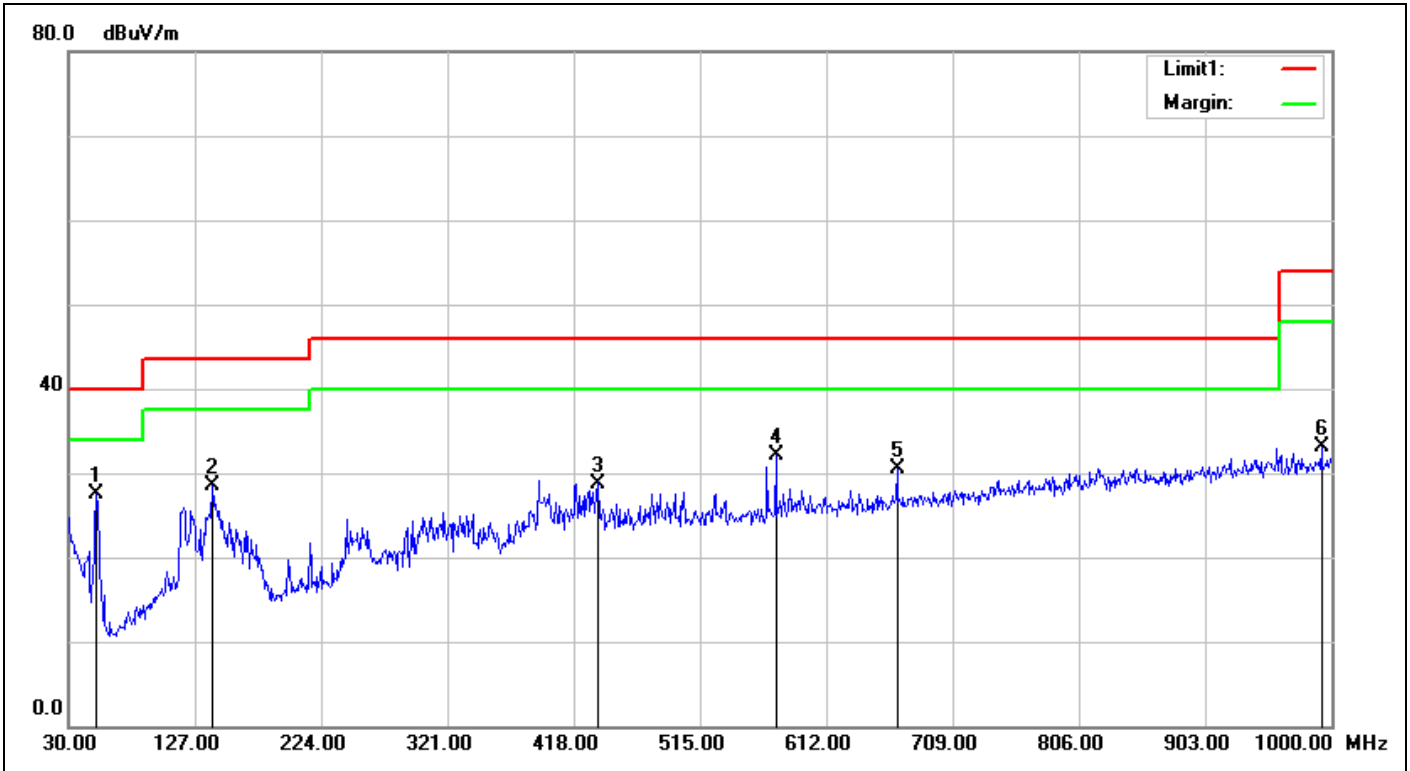
Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:40:24
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	53.2800	-12.05	38.83	26.78	40.00	-13.22	QP	100	317	
2	145.4300	-7.23	33.38	26.15	43.50	-17.35	QP	100	152	
3	243.4000	-6.36	30.92	24.56	46.00	-21.44	QP	100	315	
4	413.1500	-2.48	31.02	28.54	46.00	-17.46	QP	100	184	
5	566.4100	-0.52	32.87	32.35	46.00	-13.65	QP	100	144	
6	998.0600	5.81	26.86	32.67	54.00	-21.33	QP	100	77	



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/3/9 21:45:03
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.62	24.62	24.00	40.00	-16.00	QP	100	222	
2	147.3700	-7.32	32.90	25.58	43.50	-17.92	QP	100	239	
3	255.0400	-5.31	35.60	30.29	46.00	-15.71	QP	100	274	
4	321.0000	-4.05	33.89	29.84	46.00	-16.16	QP	100	294	
5	566.4100	-0.52	29.88	29.36	46.00	-16.64	QP	100	208	
6	999.0300	5.83	27.19	33.02	54.00	-20.98	QP	100	255	



Service No.:	114080702	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/3/9 21:46:07
Applicant:	Trans	Test Rating:	DC 5V
Product:	HD Wireless Sender & Receiver	Temp.(°C)/Hum.(%):	19.1(°C)/54%
Model No.:	WTR-5000	Test Engineer:	George Yang
Test Mode:	A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	51.3400	-11.57	39.03	27.46	40.00	-12.54	QP	100	213	
2	140.5800	-7.03	35.57	28.54	43.50	-14.96	QP	100	185	
3	436.4300	-2.18	30.98	28.80	46.00	-17.20	QP	100	183	
4	573.2000	-0.42	32.45	32.03	46.00	-13.97	QP	100	144	
5	666.3200	0.71	29.88	30.59	46.00	-15.41	QP	100	232	
6	992.2400	5.77	27.31	33.08	54.00	-20.92	QP	100	39	

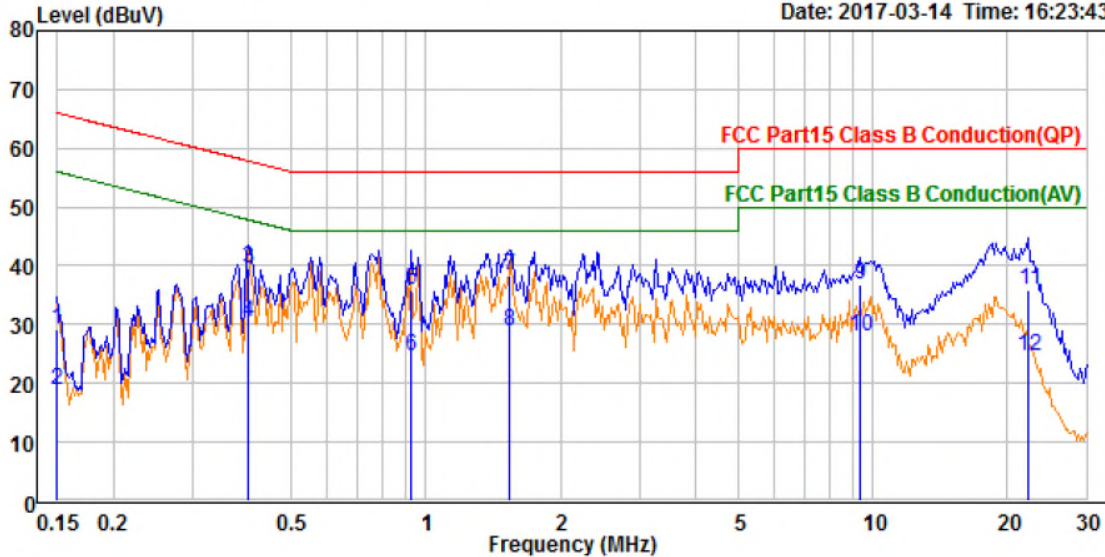
Spurious Emissions, Mains, 150kHz - 30MHz



TUV Taiwan
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 Fax:+886-2528-0018

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Date: 2017-03-14 Time: 16:23:43



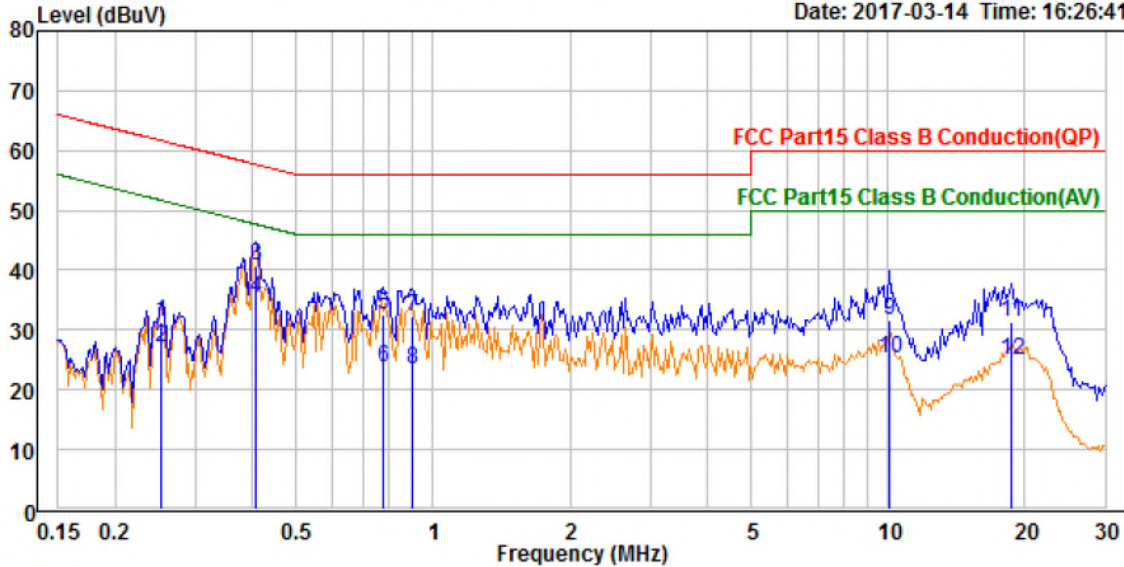
Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) line1
 Test Engineer: Joe Tien
 Applicant : Trans
 Product : 無線HDMI高畫質傳輸器 / HD wireless Sender & Receiver
 Model No. : WTR-5000
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 18.8°C / 32%
 Memo : Normal operation (Sender)
 : Adaptor +core

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.150	29.31	19.53	9.78	66.00	-36.69	QP
2	0.150	18.94	9.16	9.78	56.00	-37.06	Average
3	0.402	39.63	29.88	9.75	57.81	-18.18	QP
4	0.402	30.44	20.69	9.75	47.81	-17.37	Average
5	0.928	35.81	26.06	9.75	56.00	-20.19	QP
6	0.928	24.68	14.93	9.75	46.00	-21.32	Average
7	1.544	38.48	28.72	9.76	56.00	-17.52	QP
8	1.544	28.96	19.20	9.76	46.00	-17.04	Average
9	9.352	36.78	26.93	9.85	60.00	-23.22	QP
10	9.352	27.88	18.03	9.85	50.00	-22.12	Average
11	22.298	36.04	26.07	9.97	60.00	-23.96	QP
12	22.298	24.54	14.57	9.97	50.00	-25.46	Average

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Date: 2017-03-14 Time: 16:26:41



Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) neutral
 Test Engineer: Joe Tien
 Applicant : Trans
 Product : 無線HDMI高畫質傳輸器 / HD wireless Sender & Receiver
 Model No. : WTR-5000
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 18.8°C / 32%
 Memo : Normal operation (Sender)
 : Adaptor +core

	Freq	Level	Read	Limit	Over	
	MHz	dBuV	Level	Line	Limit	Remark
			Factor	dBuV	dB	
1	0.252	31.18	21.50	61.69	-30.51	QP
2	0.252	26.96	17.28	51.69	-24.73	Average
3	0.406	40.74	31.06	57.73	-16.99	QP
4	0.406	35.28	25.60	47.73	-12.45	Average
5	0.775	32.46	22.77	56.00	-23.54	QP
6	0.775	23.70	14.01	46.00	-22.30	Average
7	0.899	32.35	22.65	56.00	-23.65	QP
8	0.899	23.46	13.76	46.00	-22.54	Average
9	10.072	31.53	21.69	60.00	-28.47	QP
10	10.072	25.20	15.36	50.00	-24.80	Average
11	18.622	31.20	21.29	60.00	-28.80	QP
12	18.622	24.95	15.04	50.00	-25.05	Average