

Test Report No.50182790 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50182790 001AppendixD)

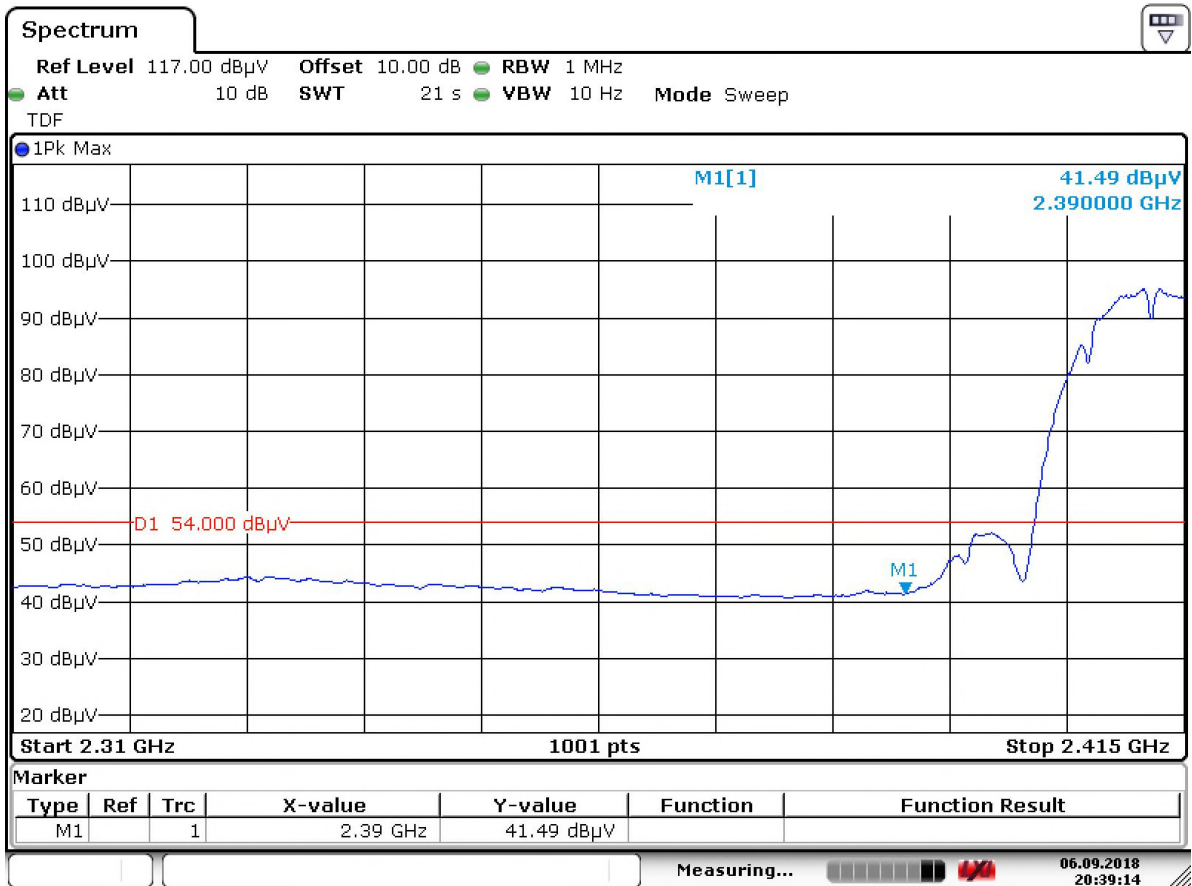
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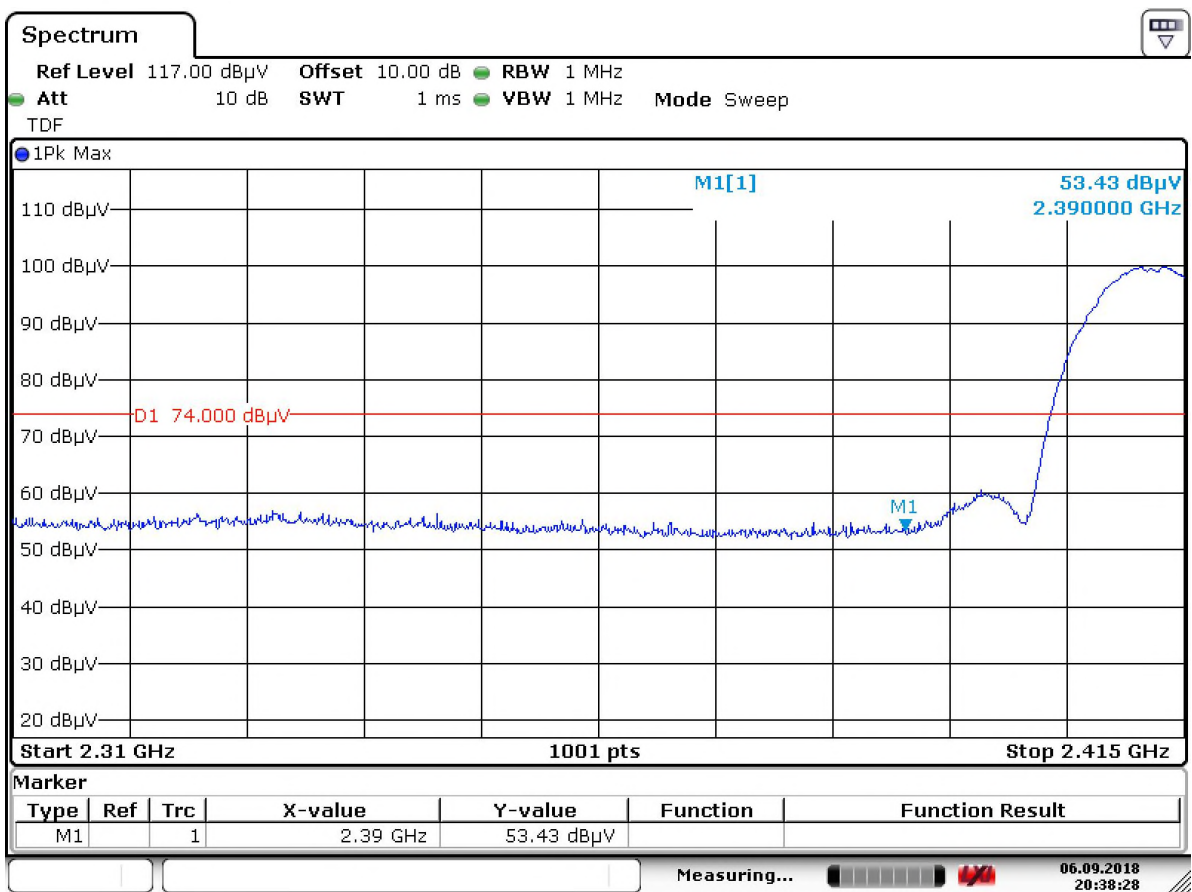
Spurious Emissions, Band Edges, 2.35-2.5G

802.11B

Low Channel (Horizontal)

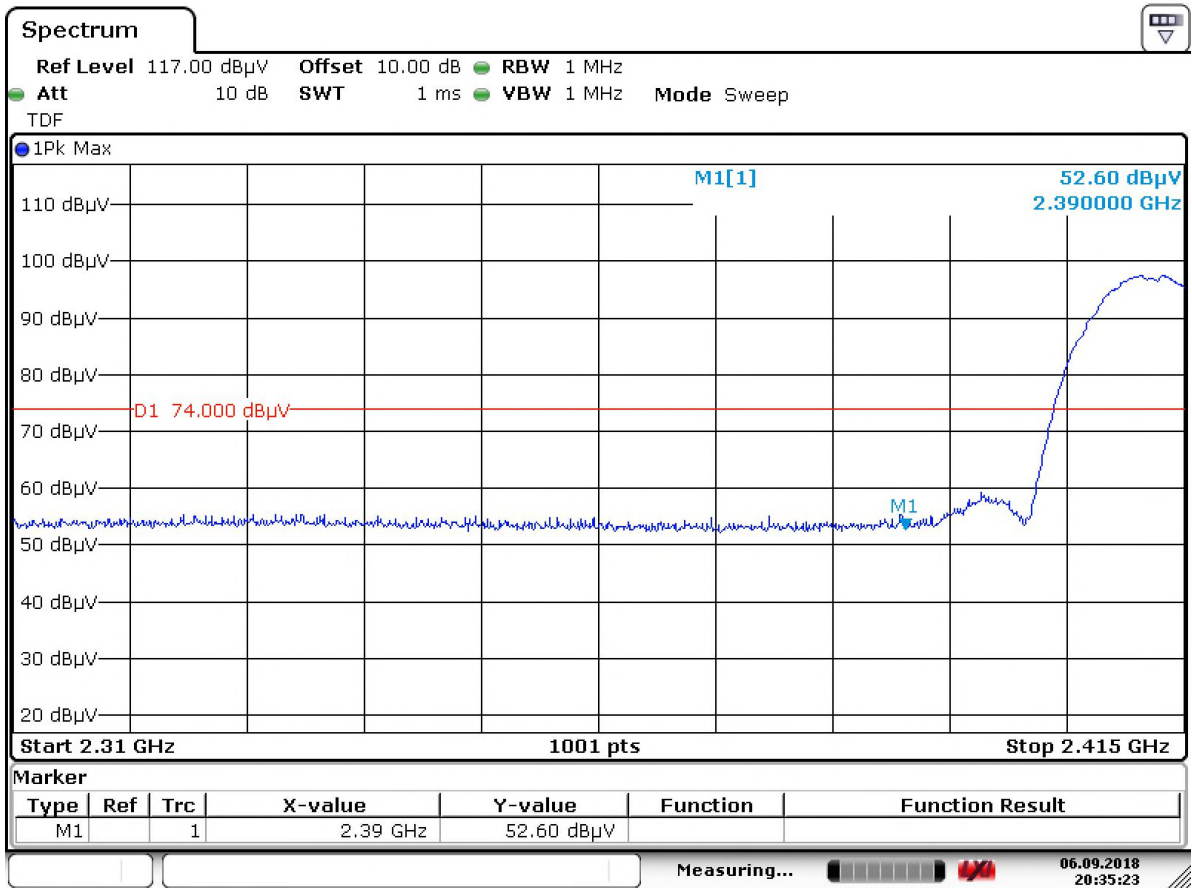


Date: 6.SEP.2018 20:39:14

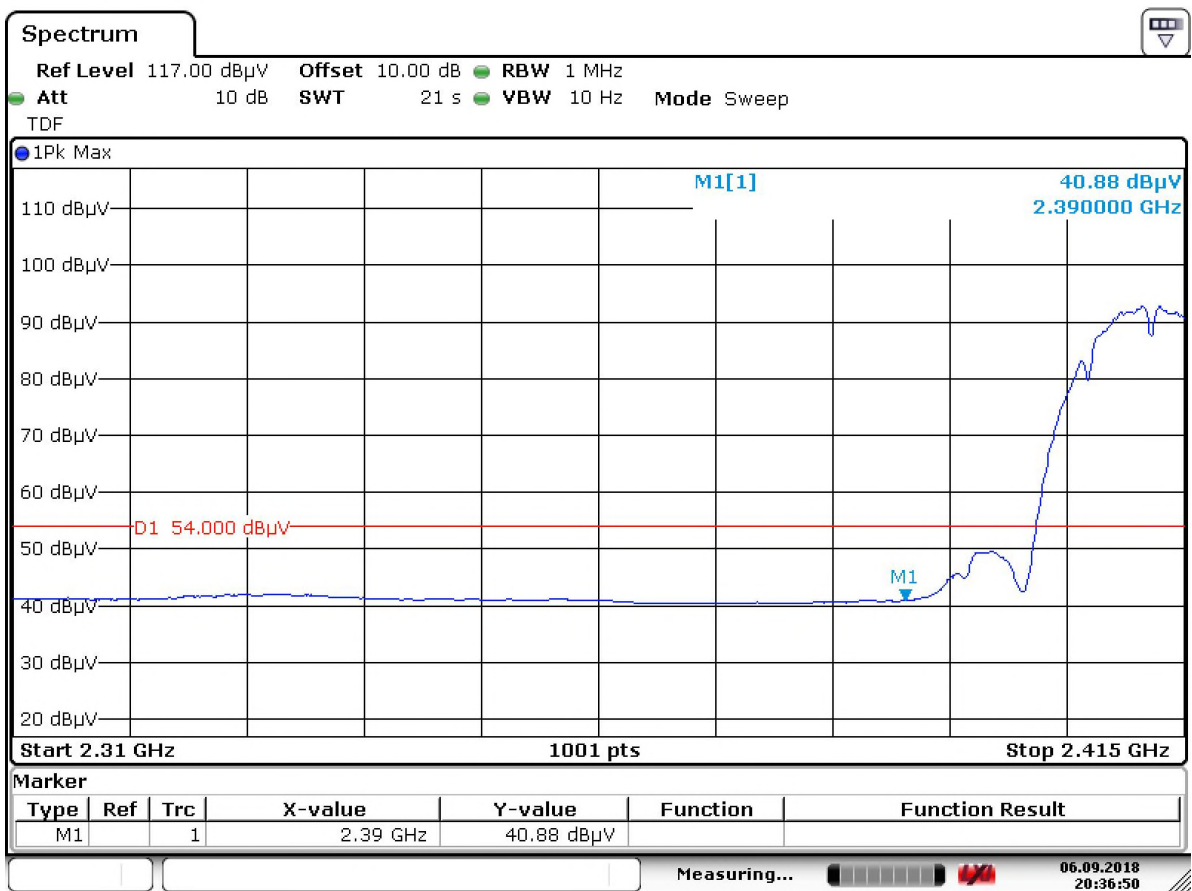


Date: 6.SEP.2018 20:38:28

Low Channel (Vertical)

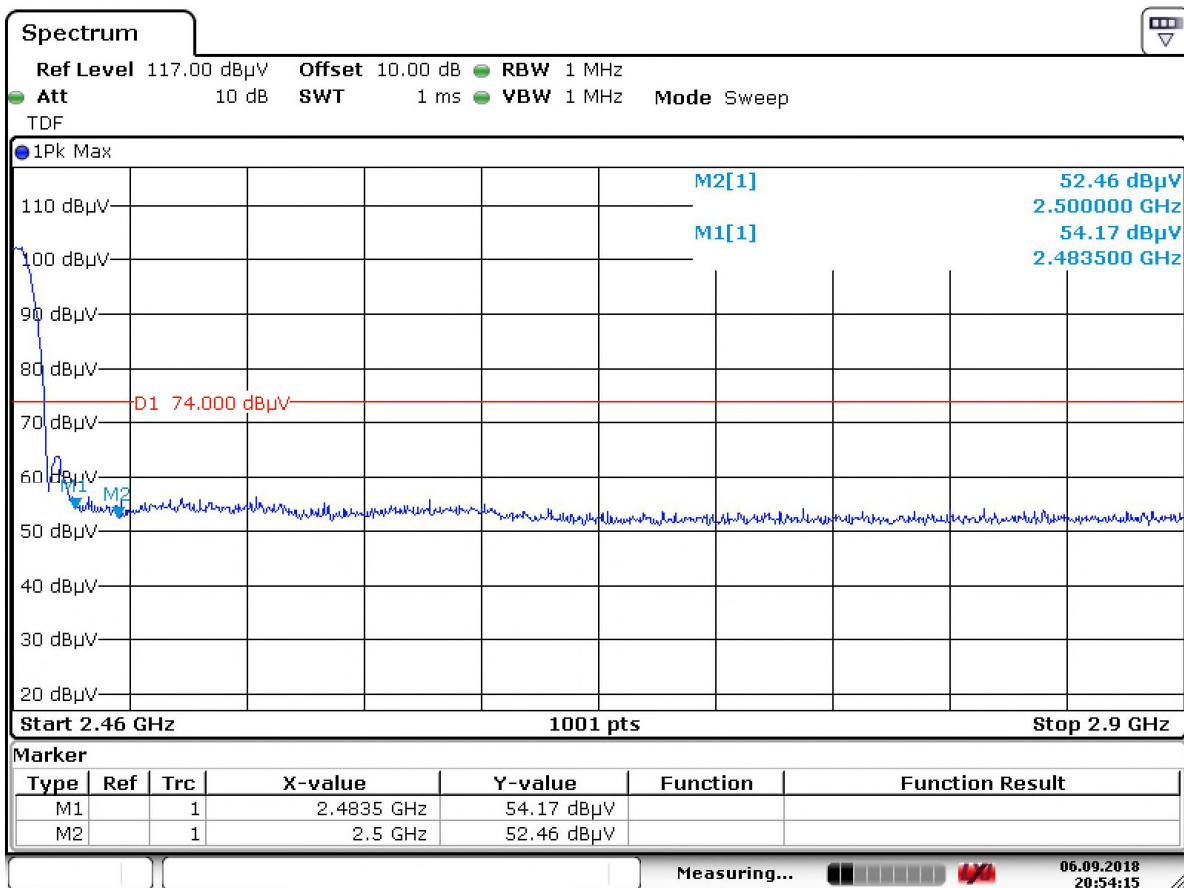


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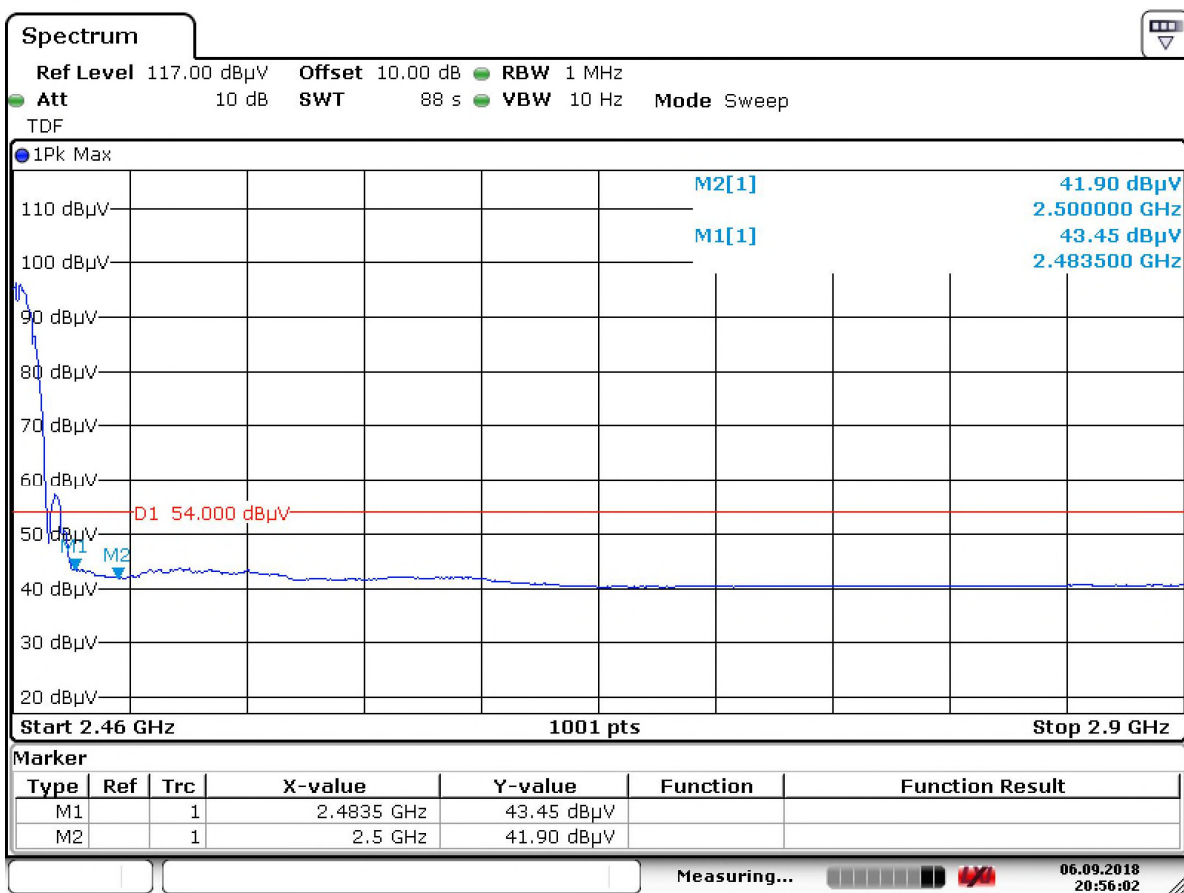


Date: 6.SEP.2018 20:36:50

High Channel (Horizontal)

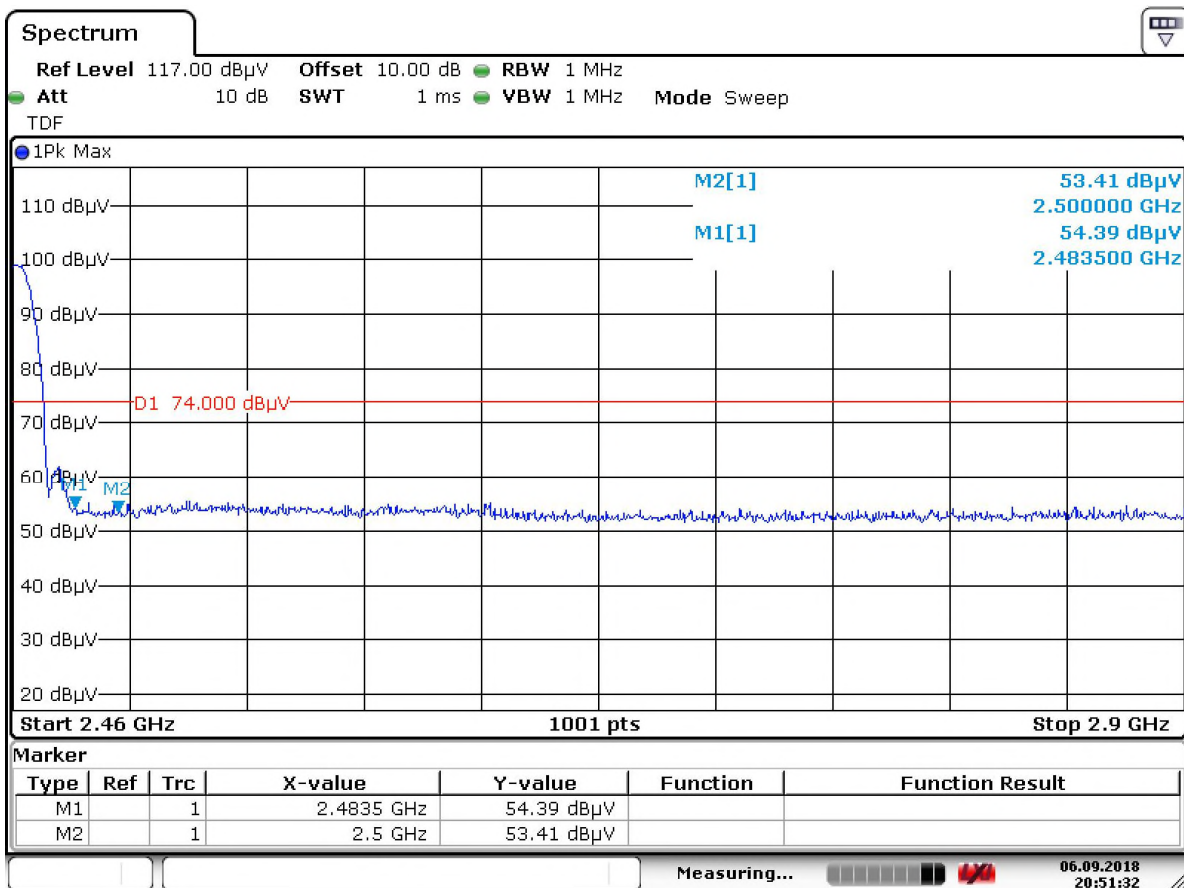


Date: 6.SEP.2018 20:54:15

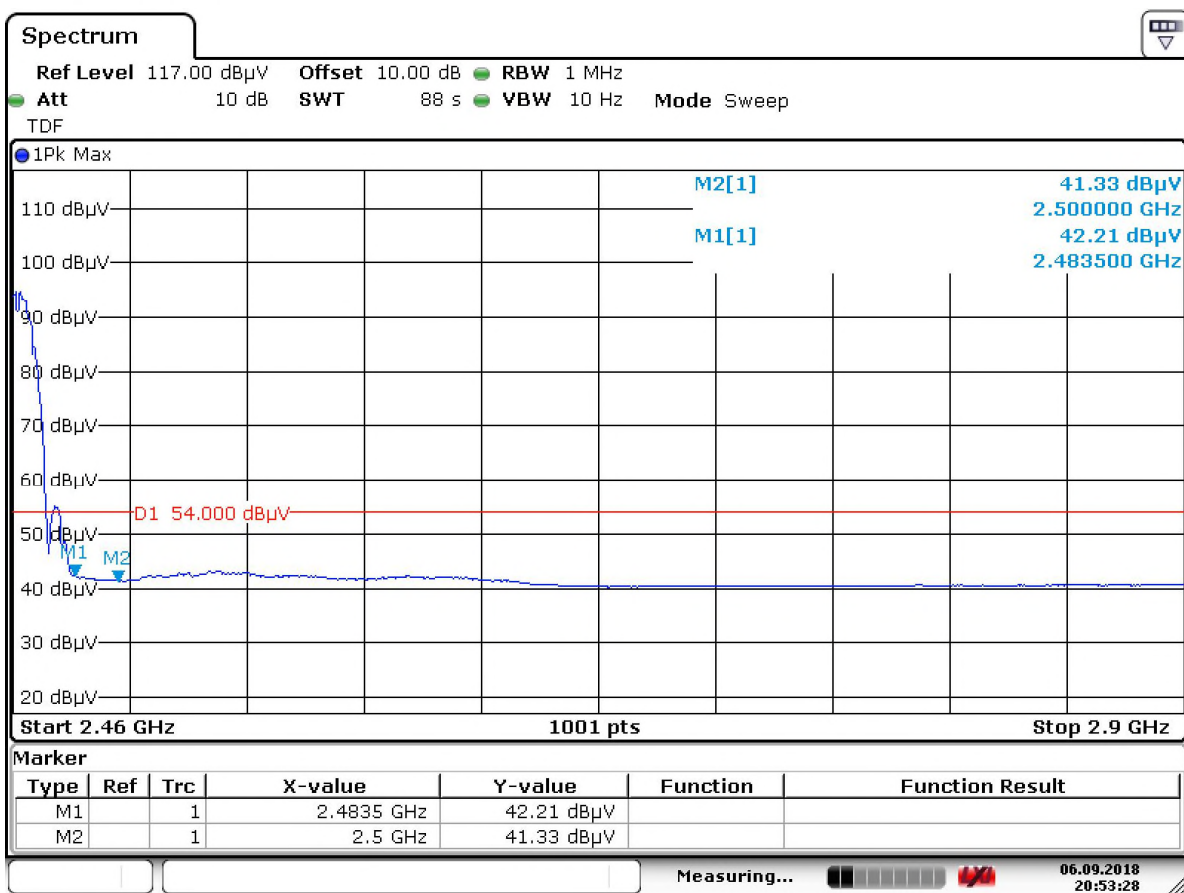


Date: 6.SEP.2018 20:56:02

High Channel (Vertical)



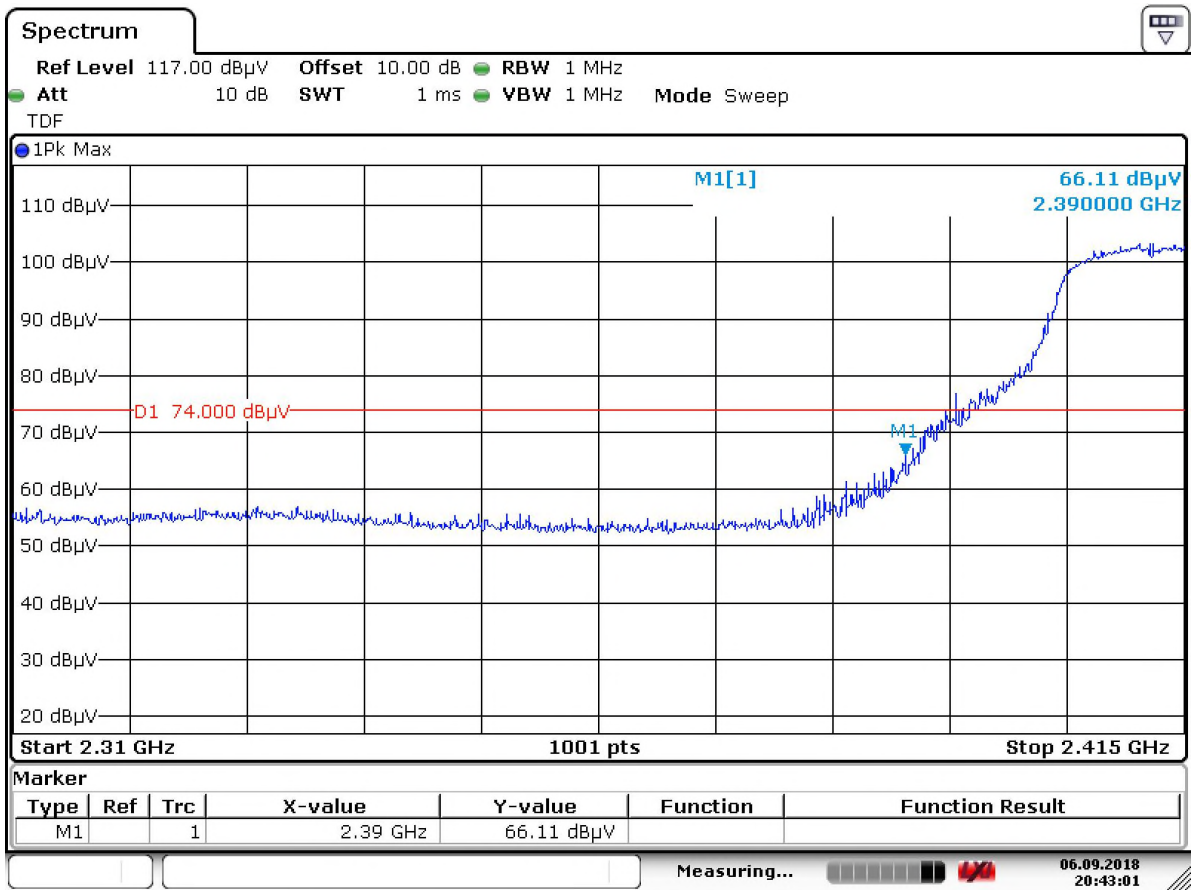
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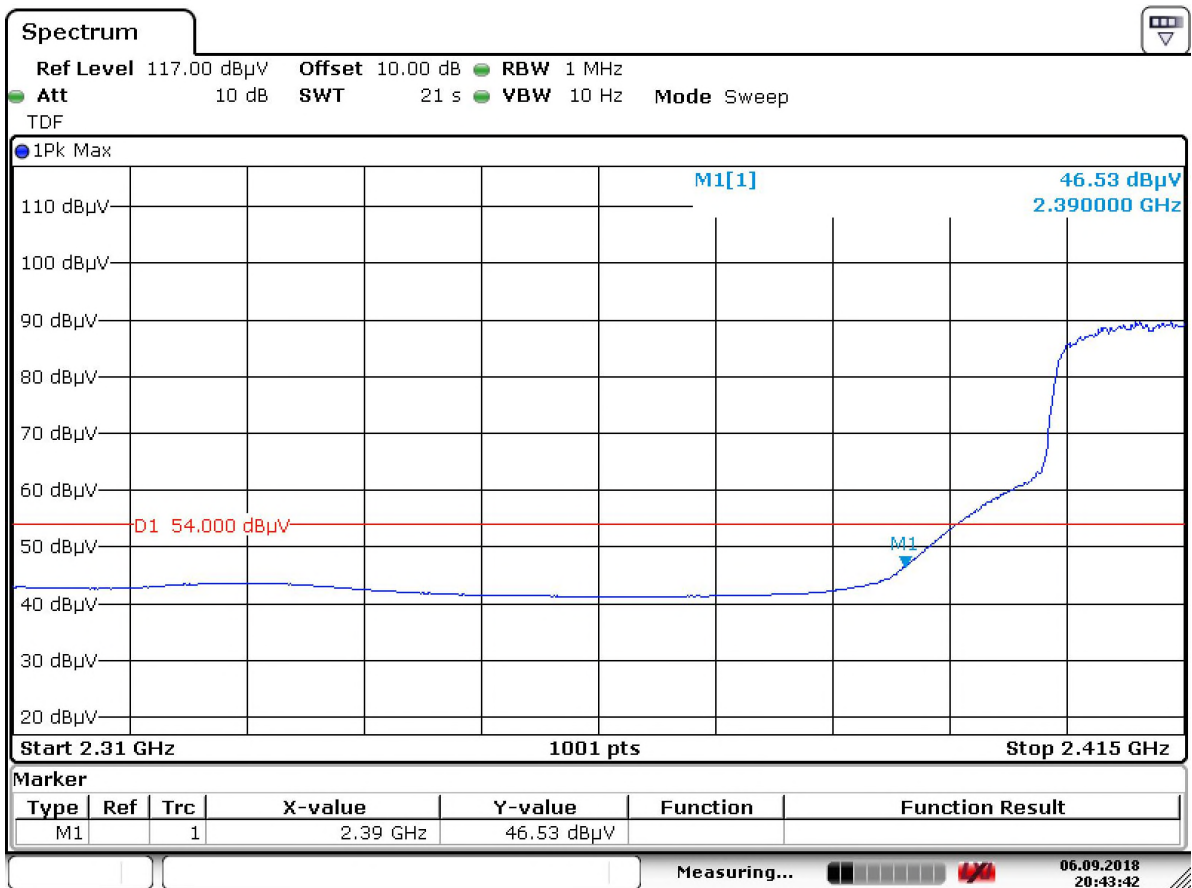
Date: 6.SEP.2018 20:53:29

802.11G

Low Channel (Horizontal)

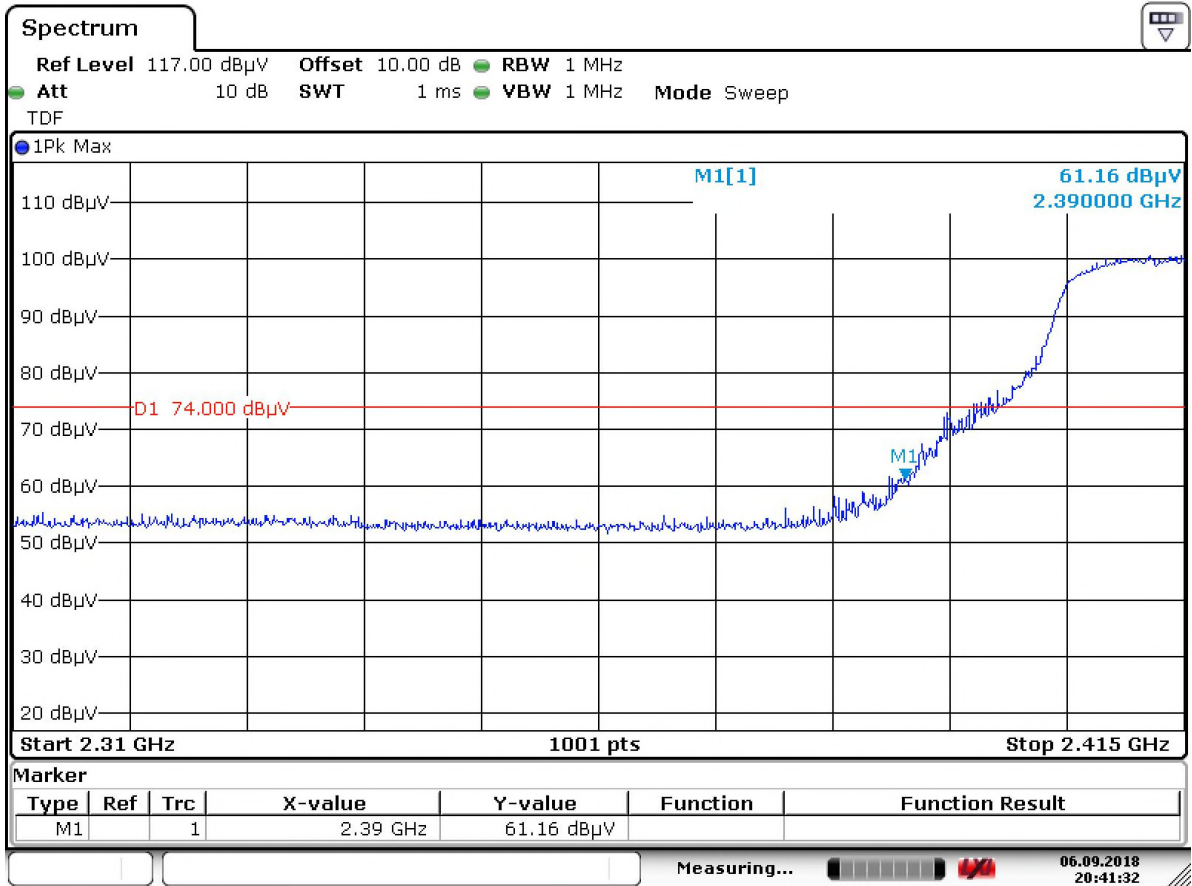


Date: 6.SEP.2018 20:43:01

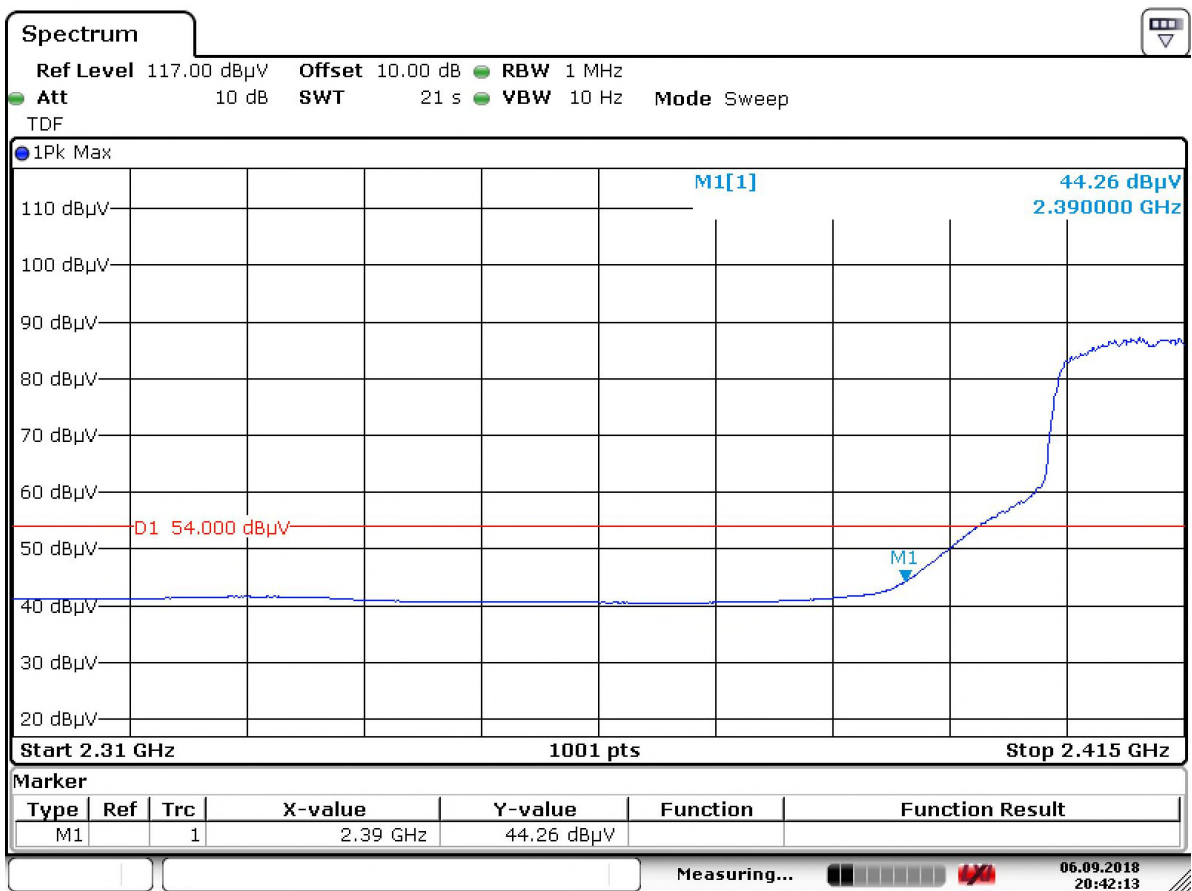


Date: 6.SEP.2018 20:43:42

Low Channel (Vertical)

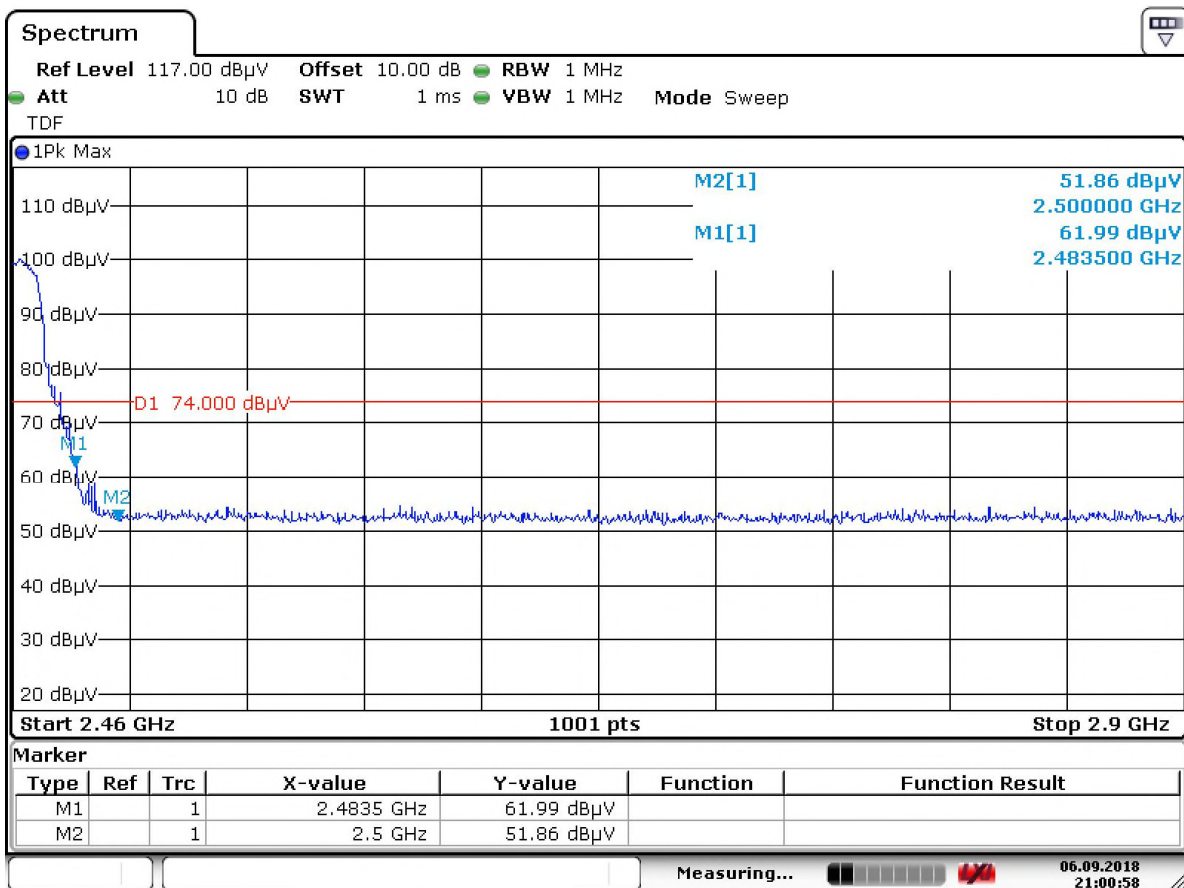


Date: 6.SEP.2018 20:41:32

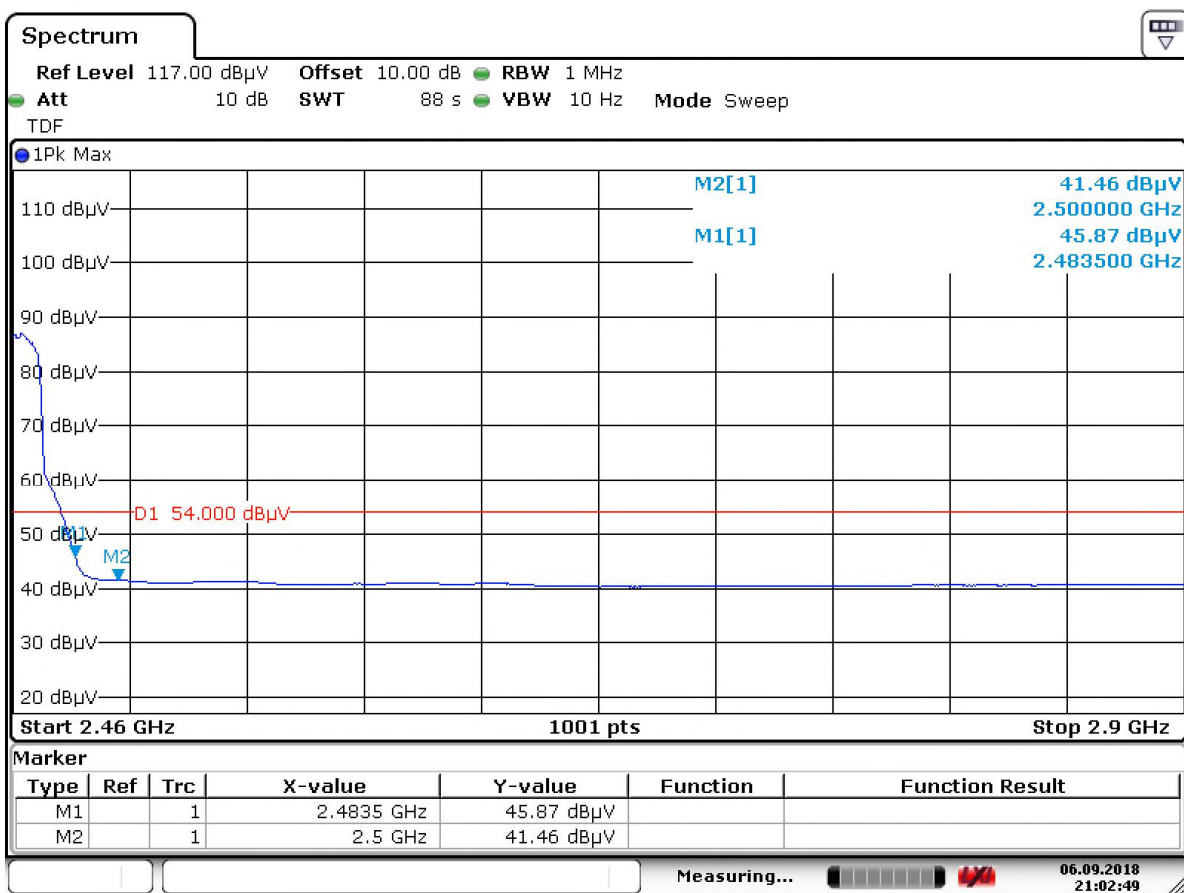


Date: 6.SEP.2018 20:42:13

High Channel (Horizontal)

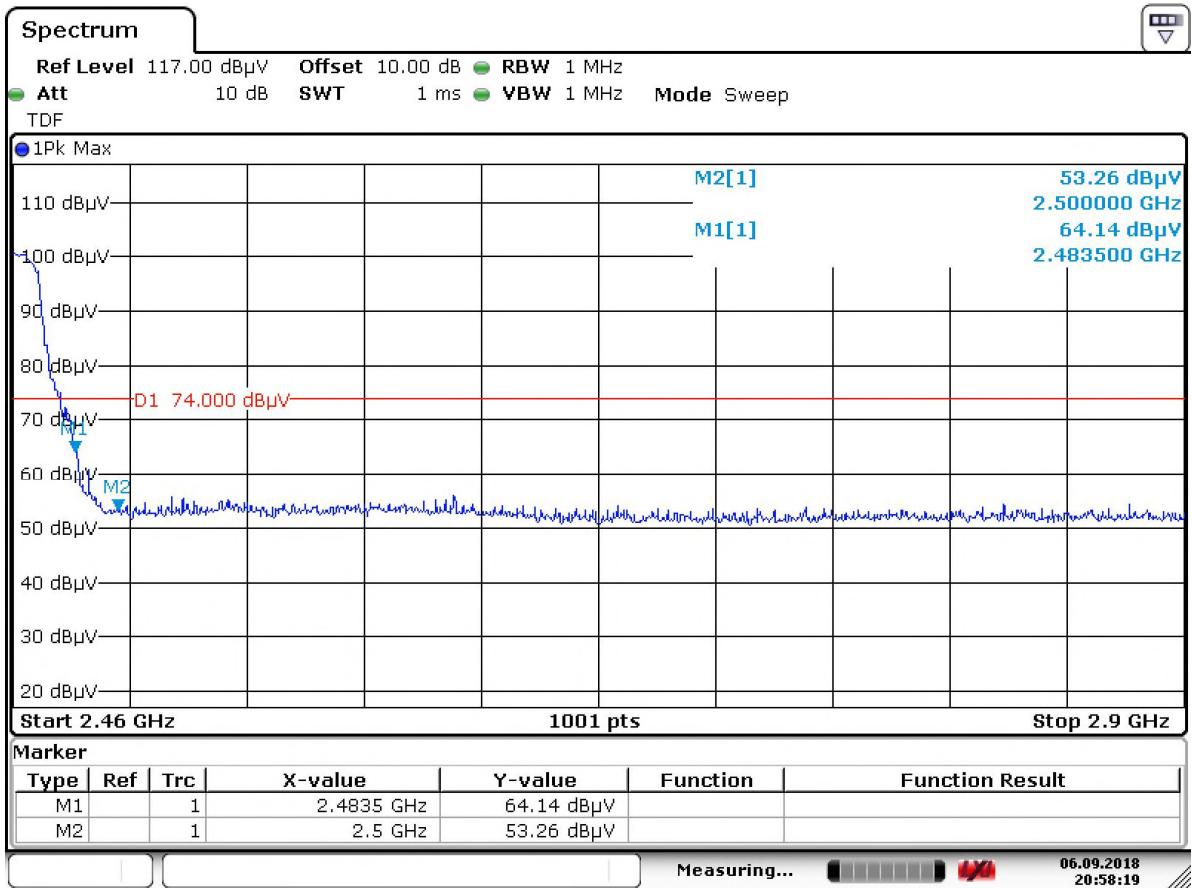


Date: 6.SEP.2018 21:00:58

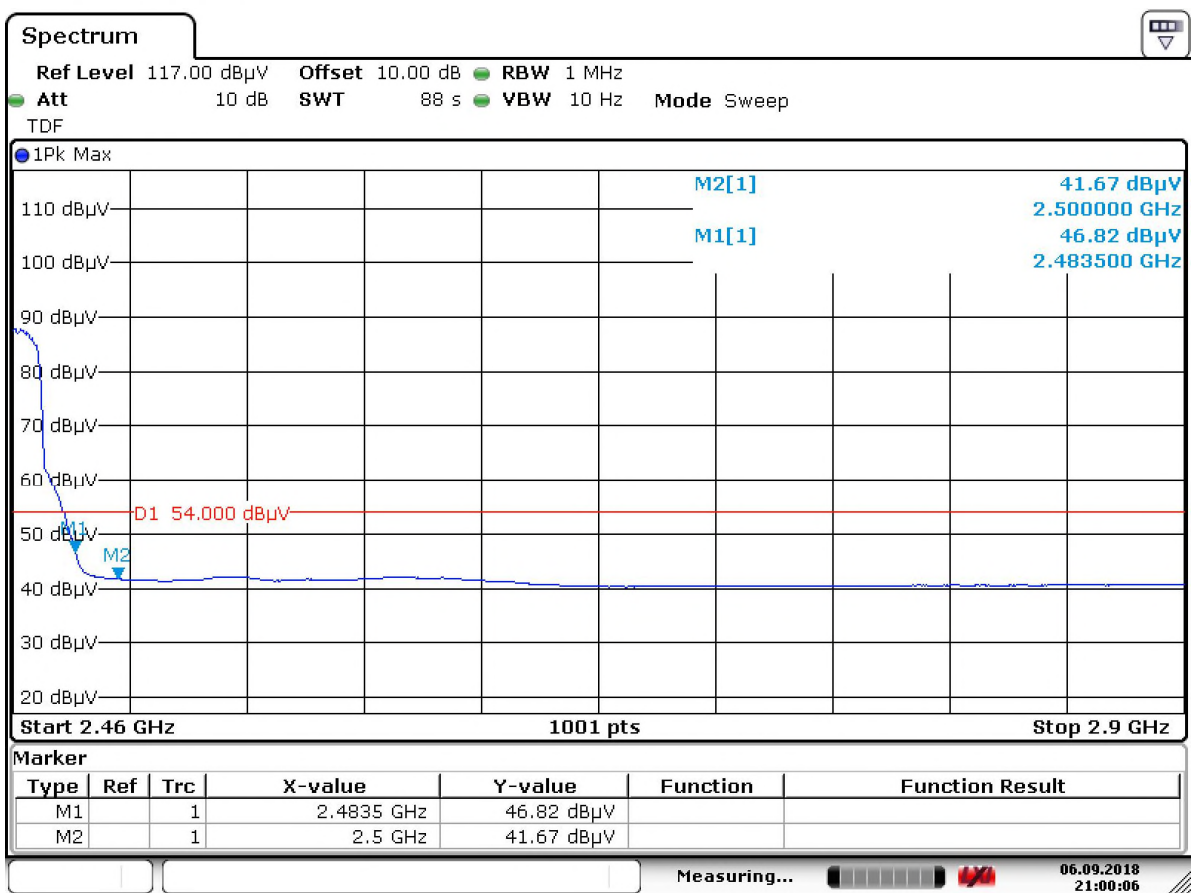


Date: 6.SEP.2018 21:02:50

High Channel (Vertical)



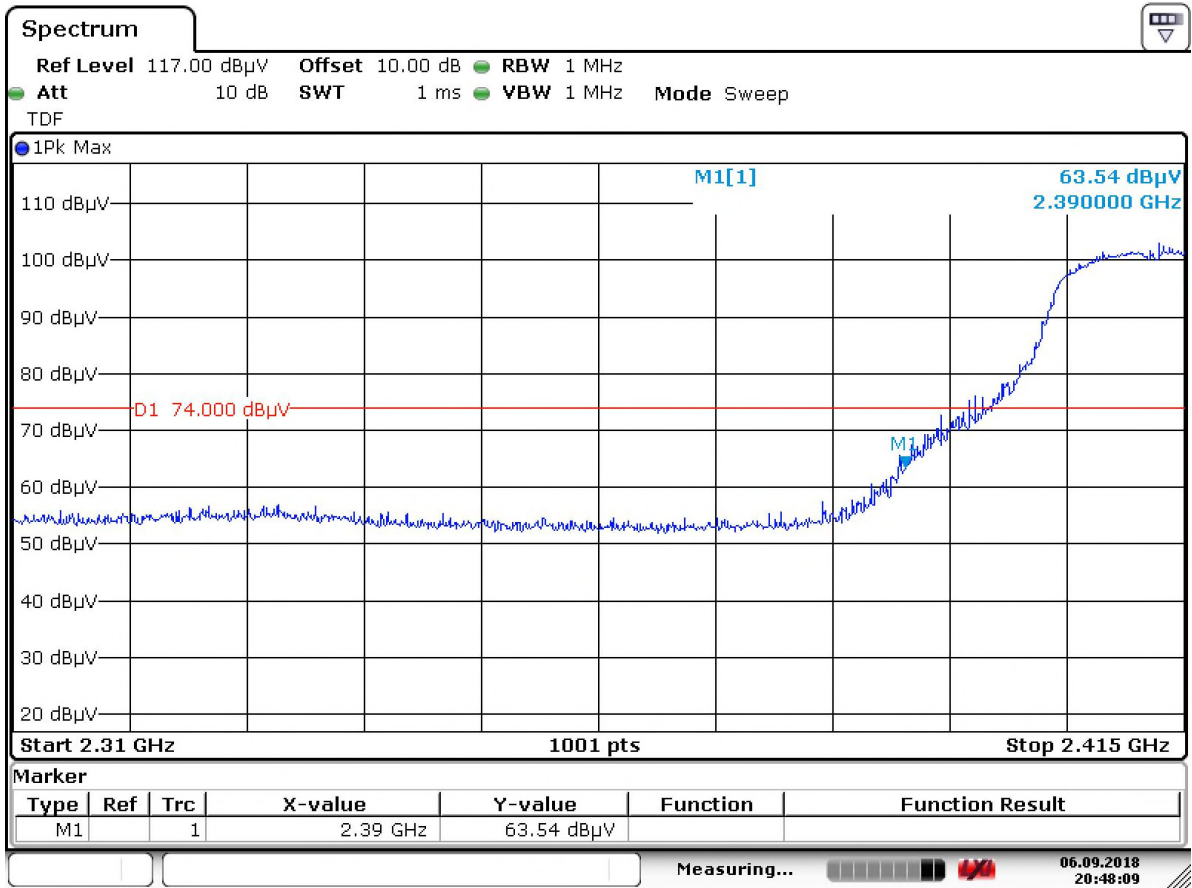
Date: 6.SEP.2018 20:58:20



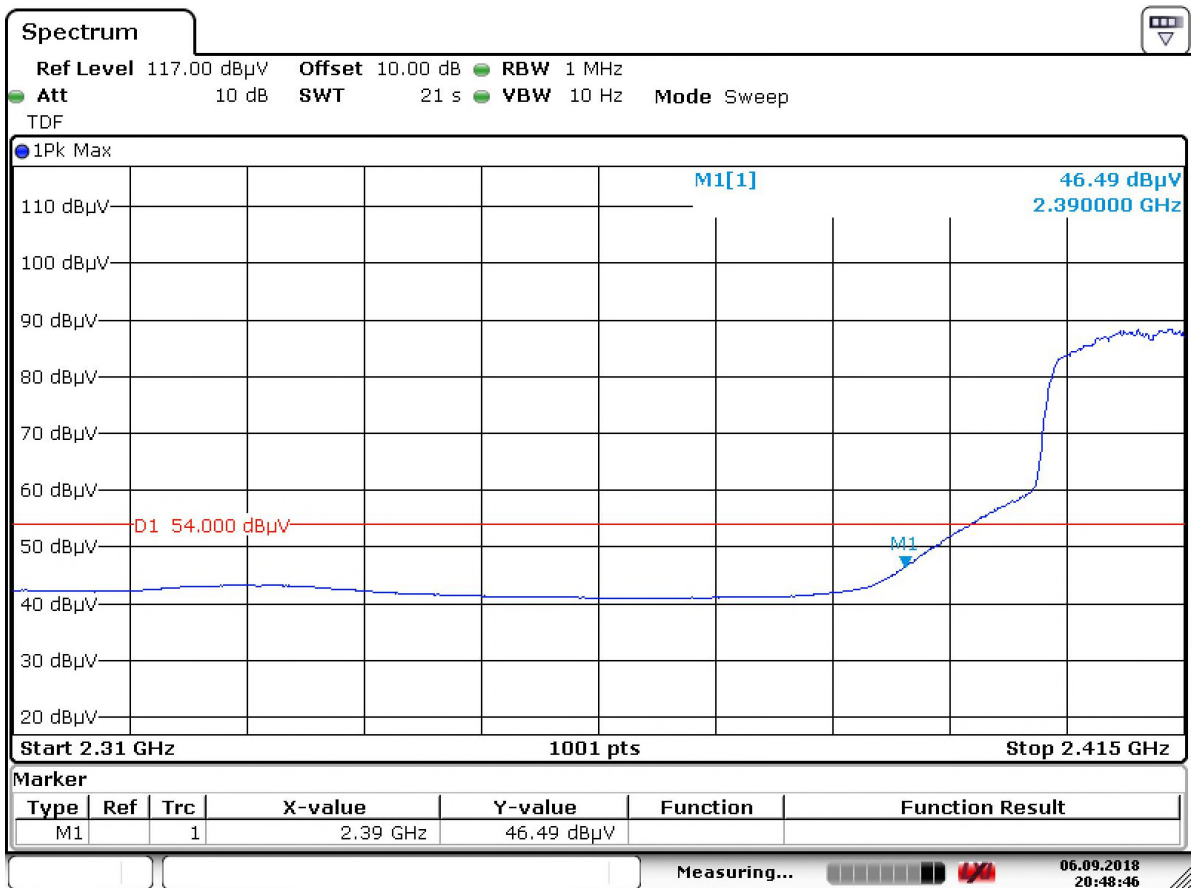
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802.11N20

Low Channel (Horizontal)

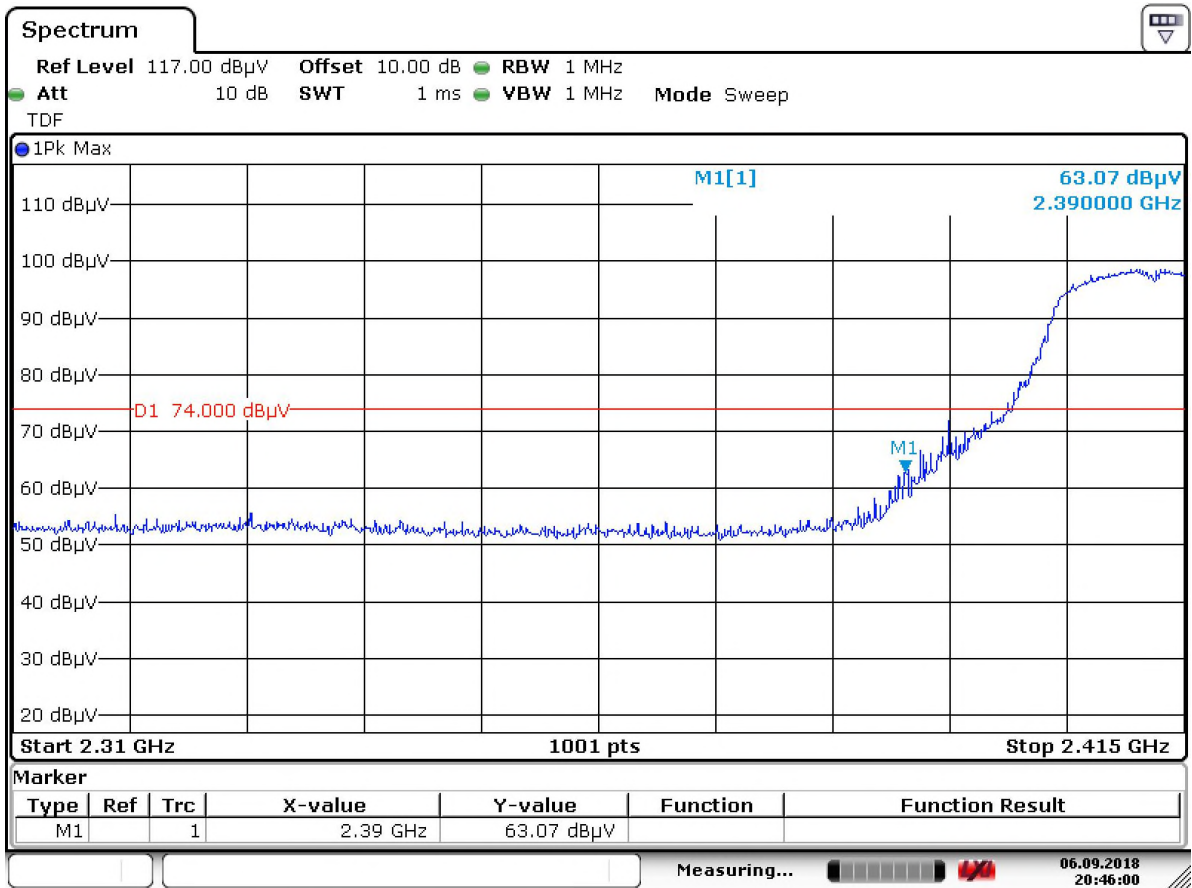


Date: 6.SEP.2018 20:48:09

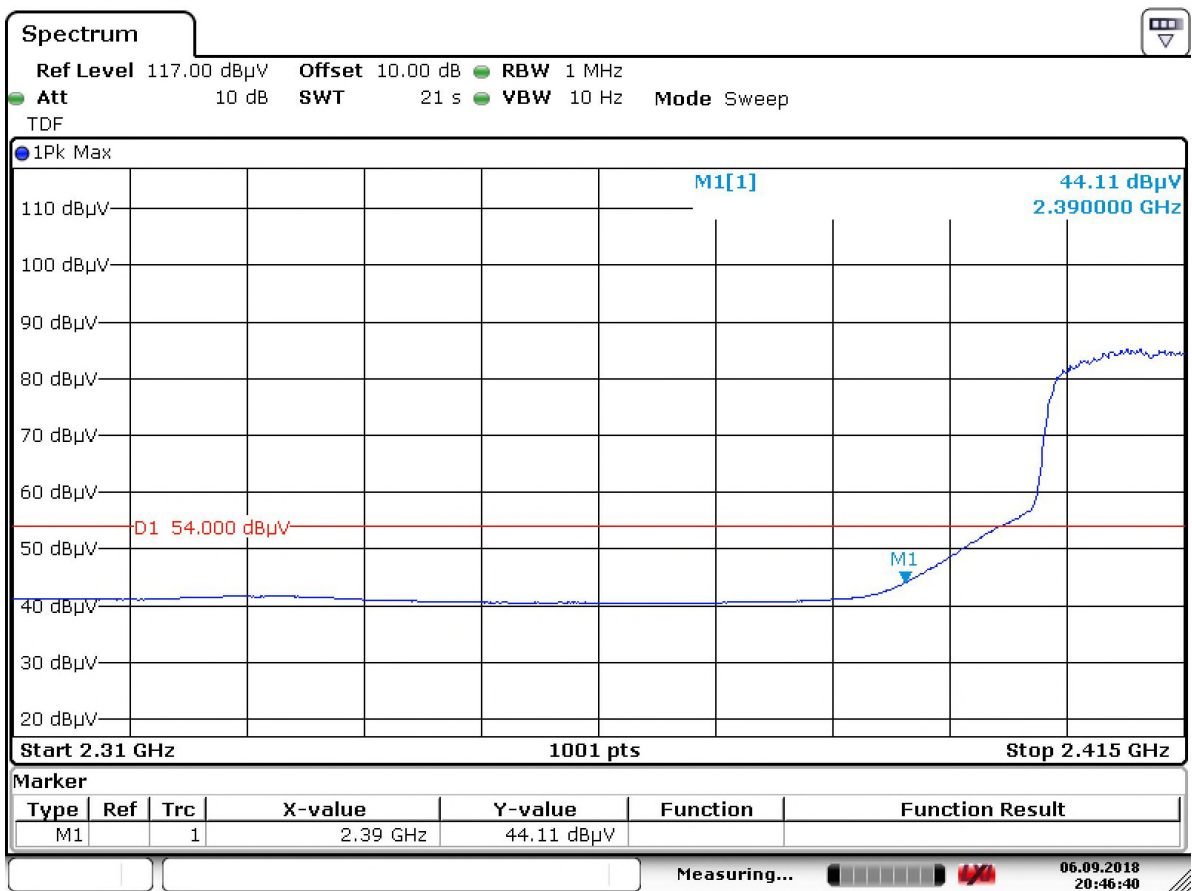


Date: 6.SEP.2018 20:48:46

Low Channel (Vertical)

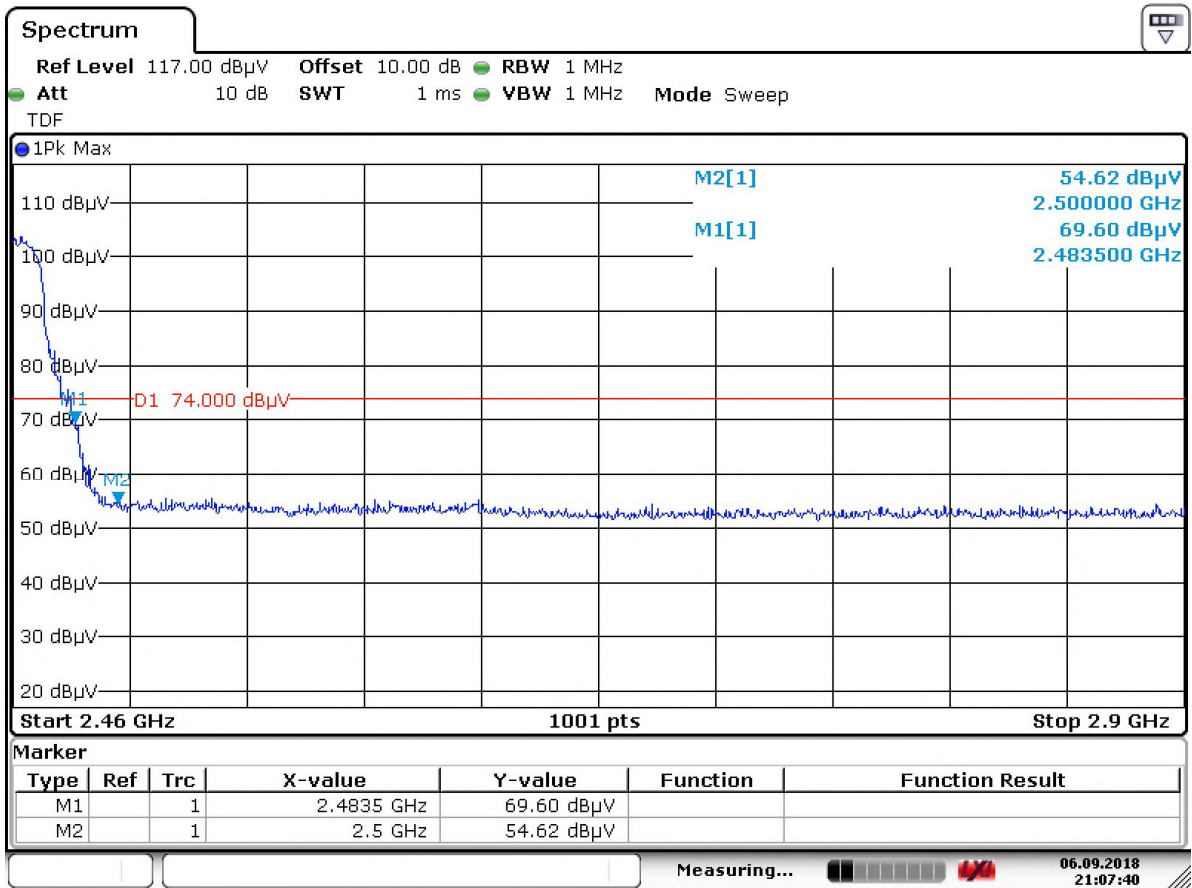


Date: 6.SEP.2018 20:46:00

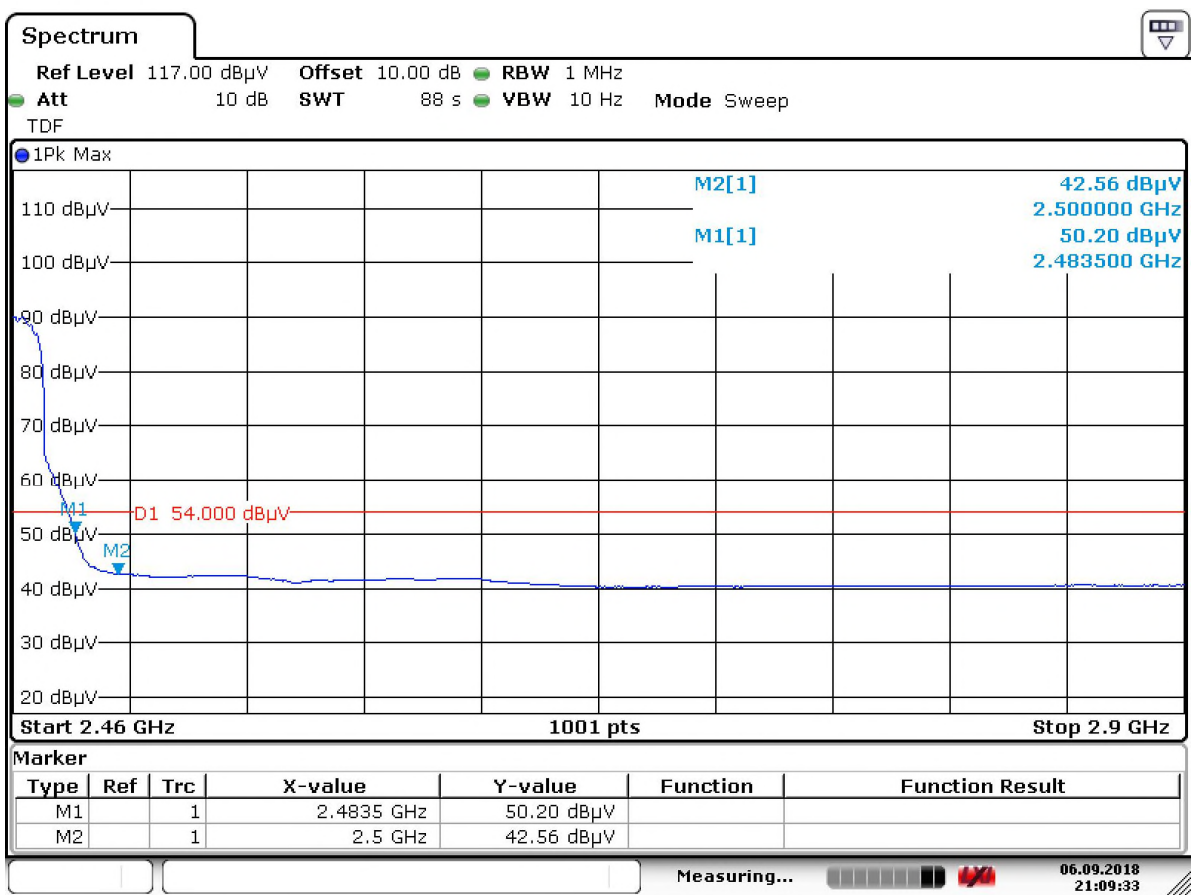


Date: 6.SEP.2018 20:46:40

High Channel (Horizontal)

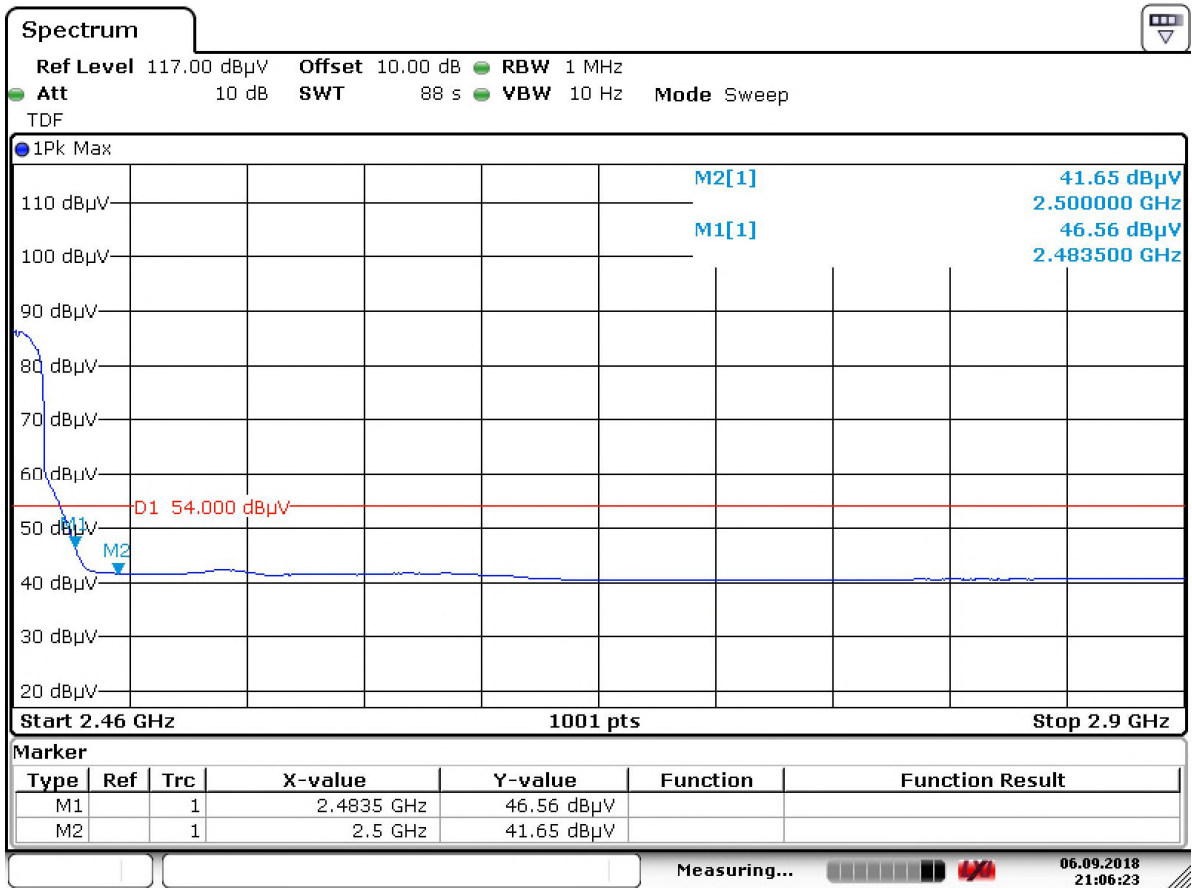


Date: 6.SEP.2018 21:07:40

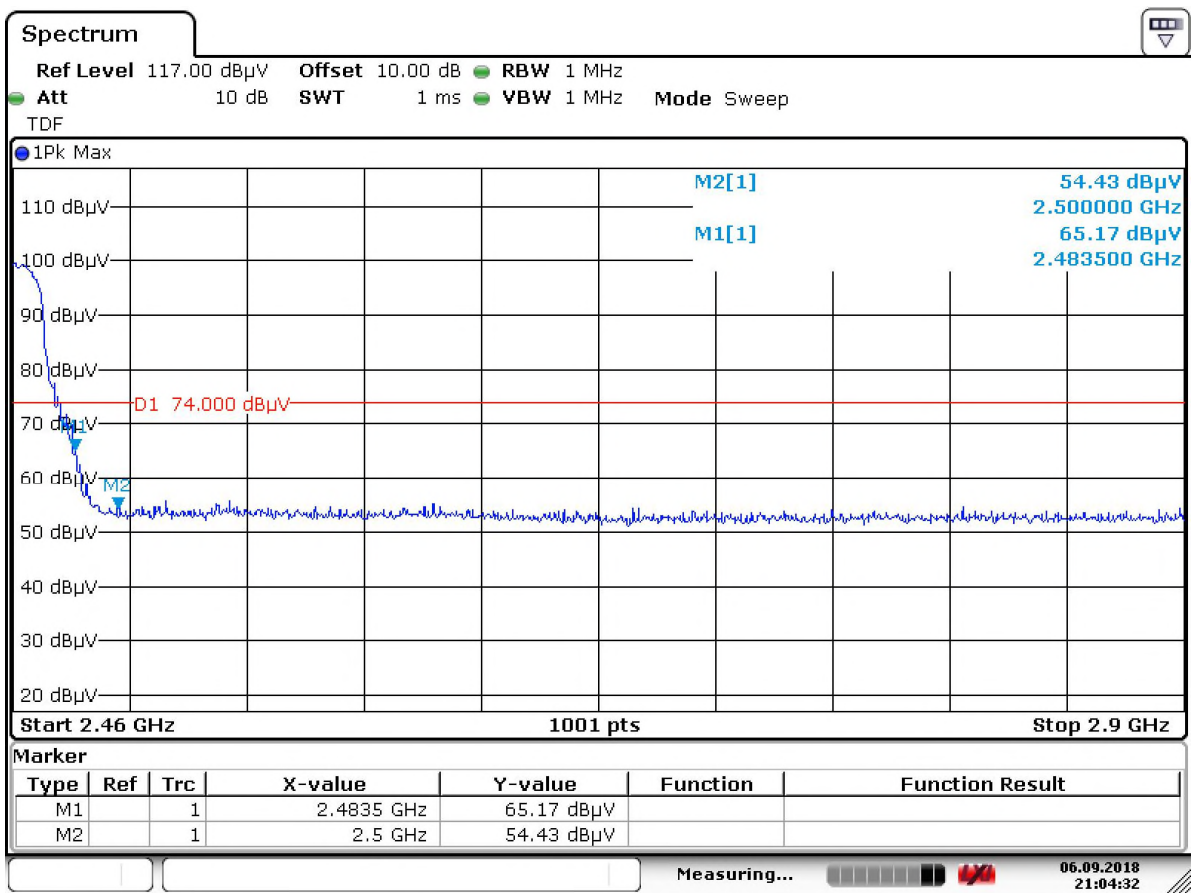


Date: 6.SEP.2018 21:09:33

High Channel (Vertical)



Date: 6.SEP.2018 21:06:23



Date: 6.SEP.2018 21:04:32

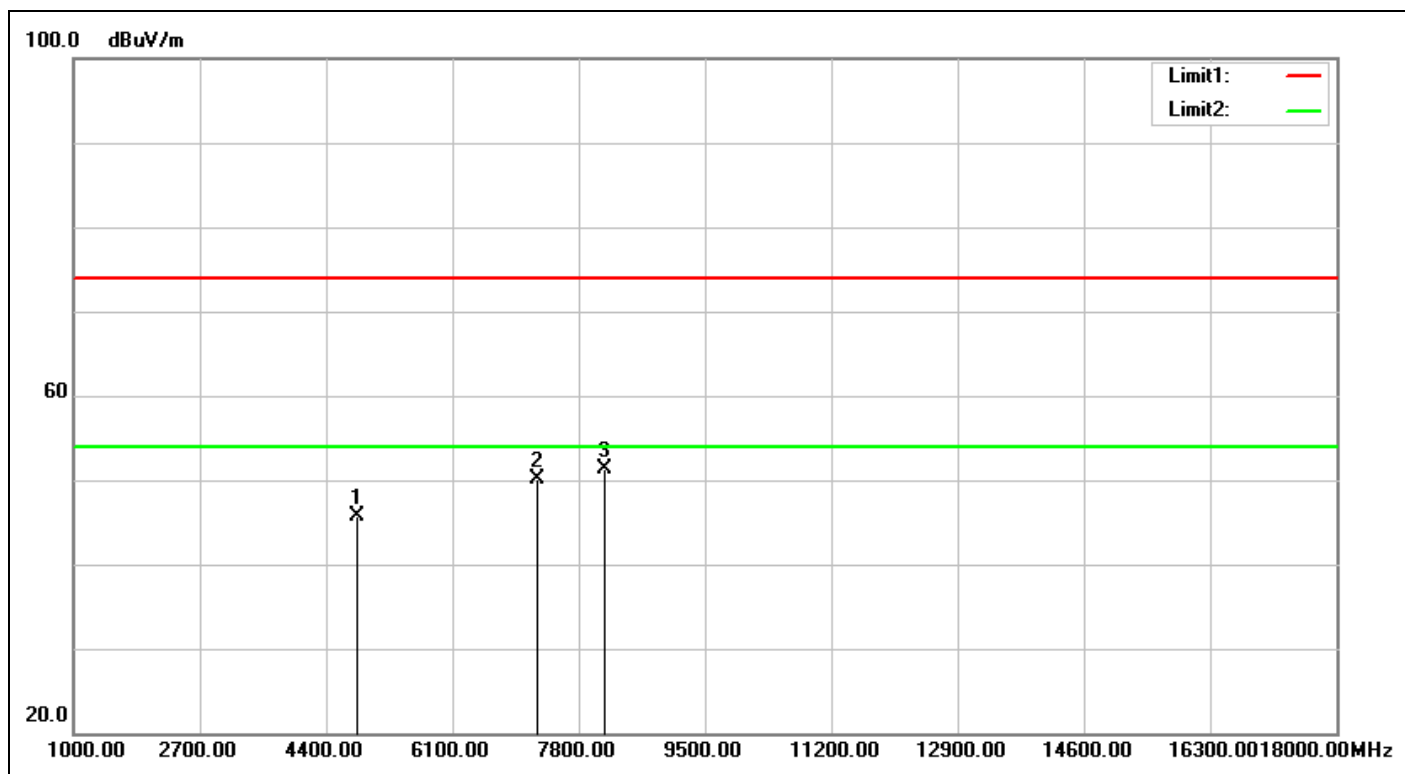
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

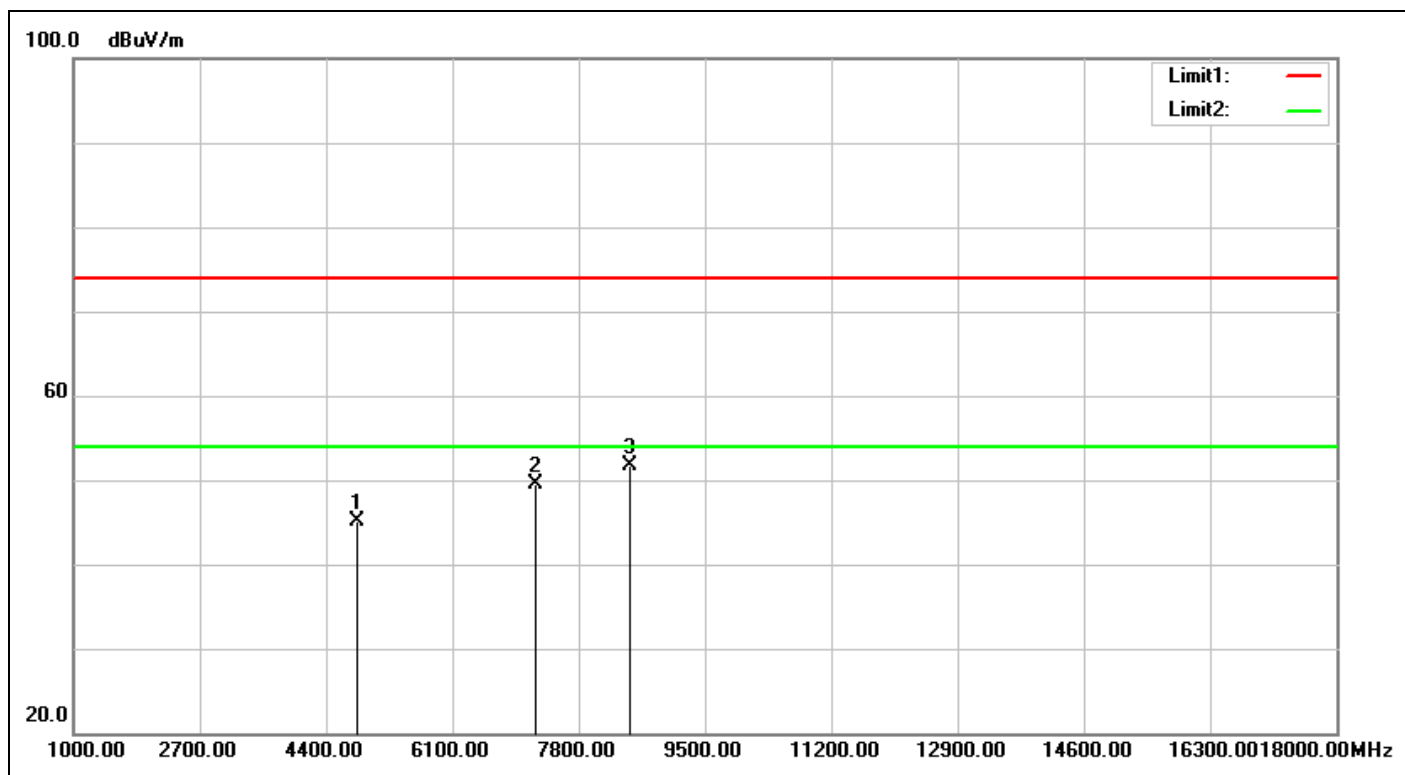
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



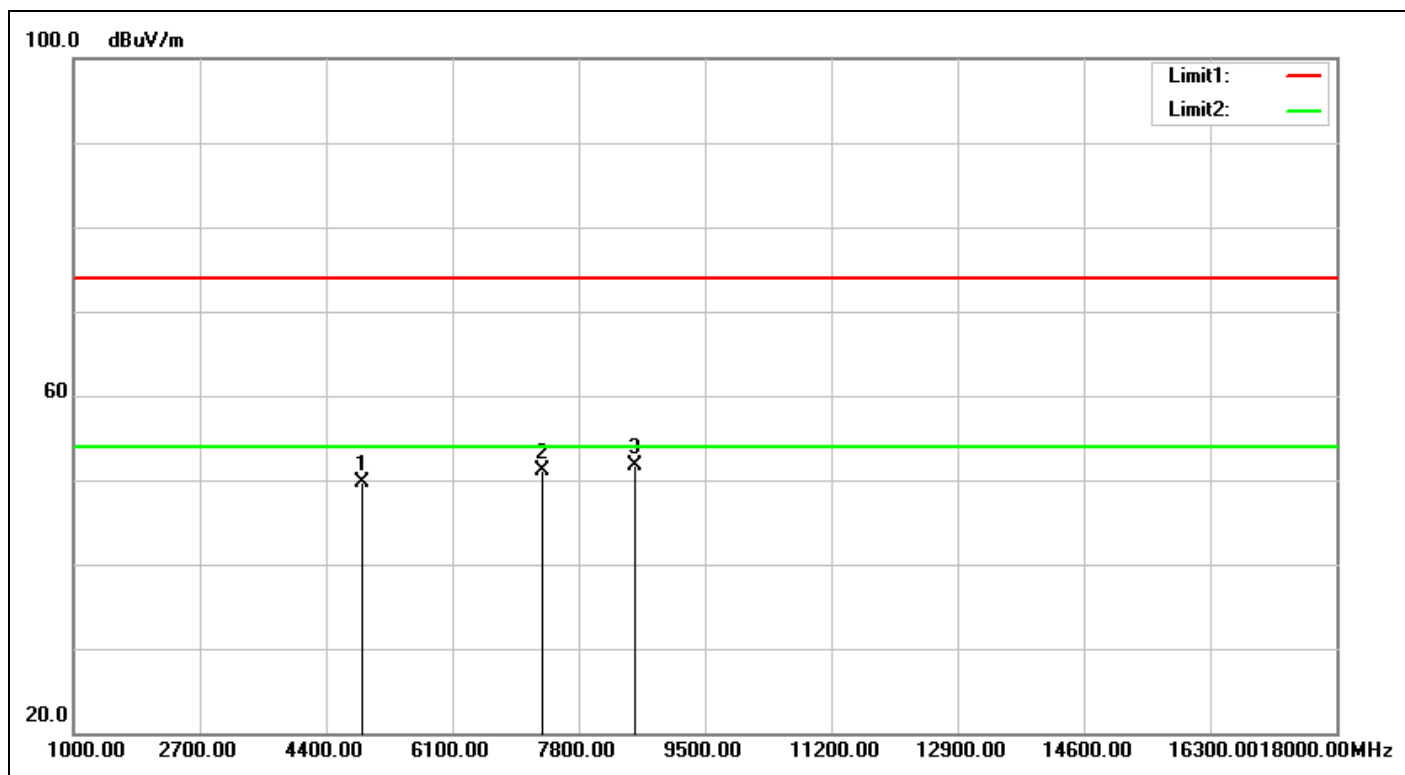
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:30:43
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412-Setting 0 (Max power setting)		
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	-2.59	48.29	45.70	74.00	-28.30	peak	100	205	
2	7236.000	5.32	44.74	50.06	74.00	-23.94	peak	100	18	
3	8140.000	5.98	45.31	51.29	74.00	-22.71	peak	100	34	



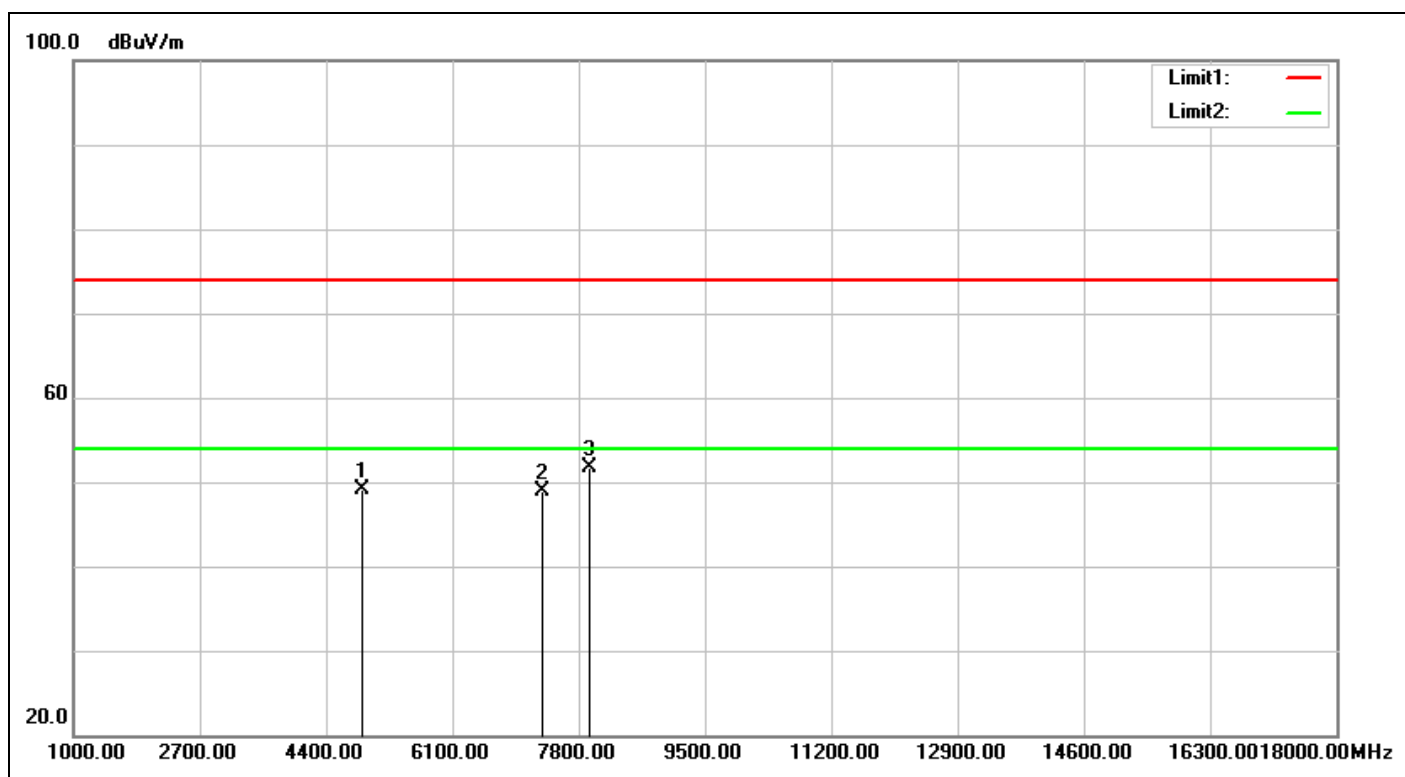
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:31:35
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412-Setting 0 (Max power setting)		
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	-2.59	47.69	45.10	74.00	-28.90	peak	100	201	
2	7236.000	5.32	44.10	49.42	74.00	-24.58	peak	100	334	
3	8480.000	6.48	45.13	51.61	74.00	-22.39	peak	100	169	



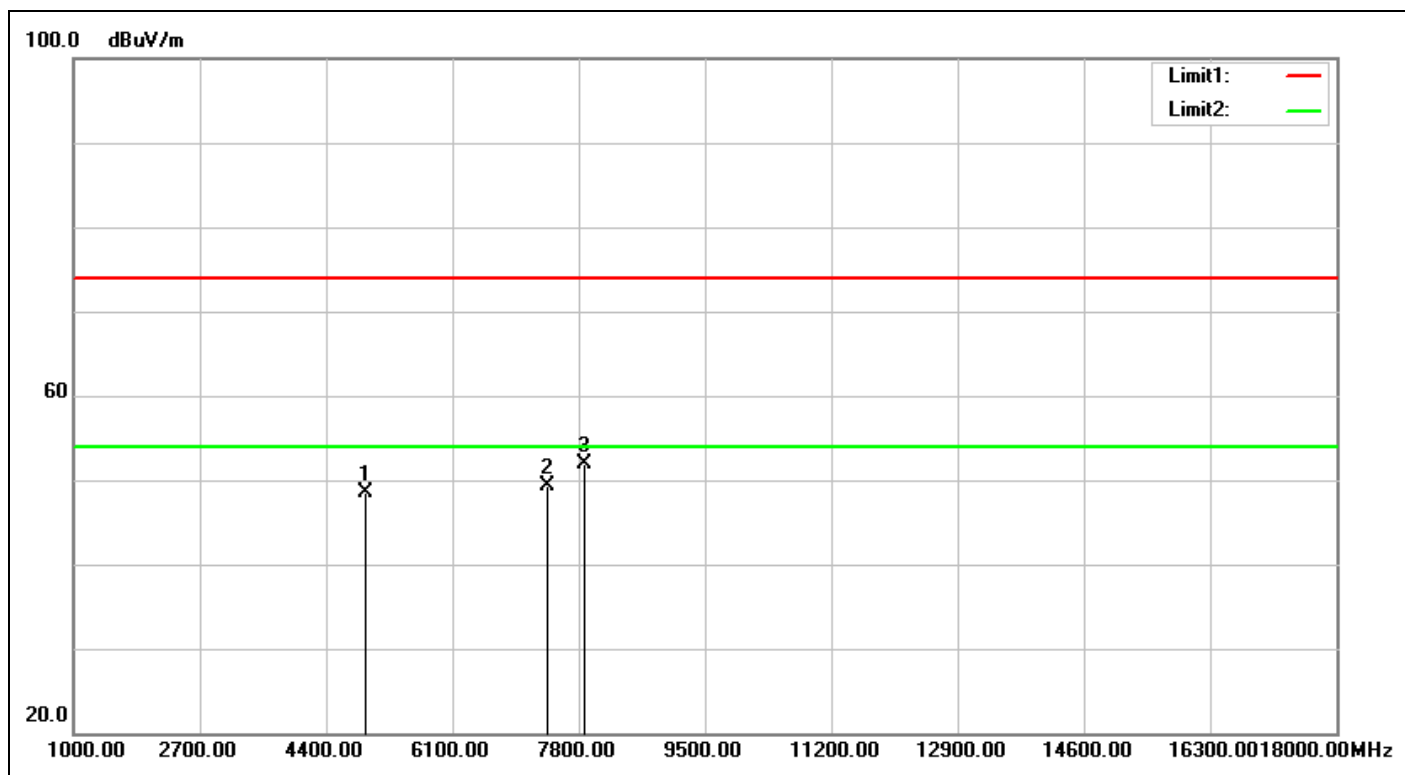
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Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	52.14	49.68	74.00	-24.32	peak	100	31	
2	7311.000	5.50	45.67	51.17	74.00	-22.83	peak	100	239	
3	8565.000	6.52	45.21	51.73	74.00	-22.27	peak	100	55	



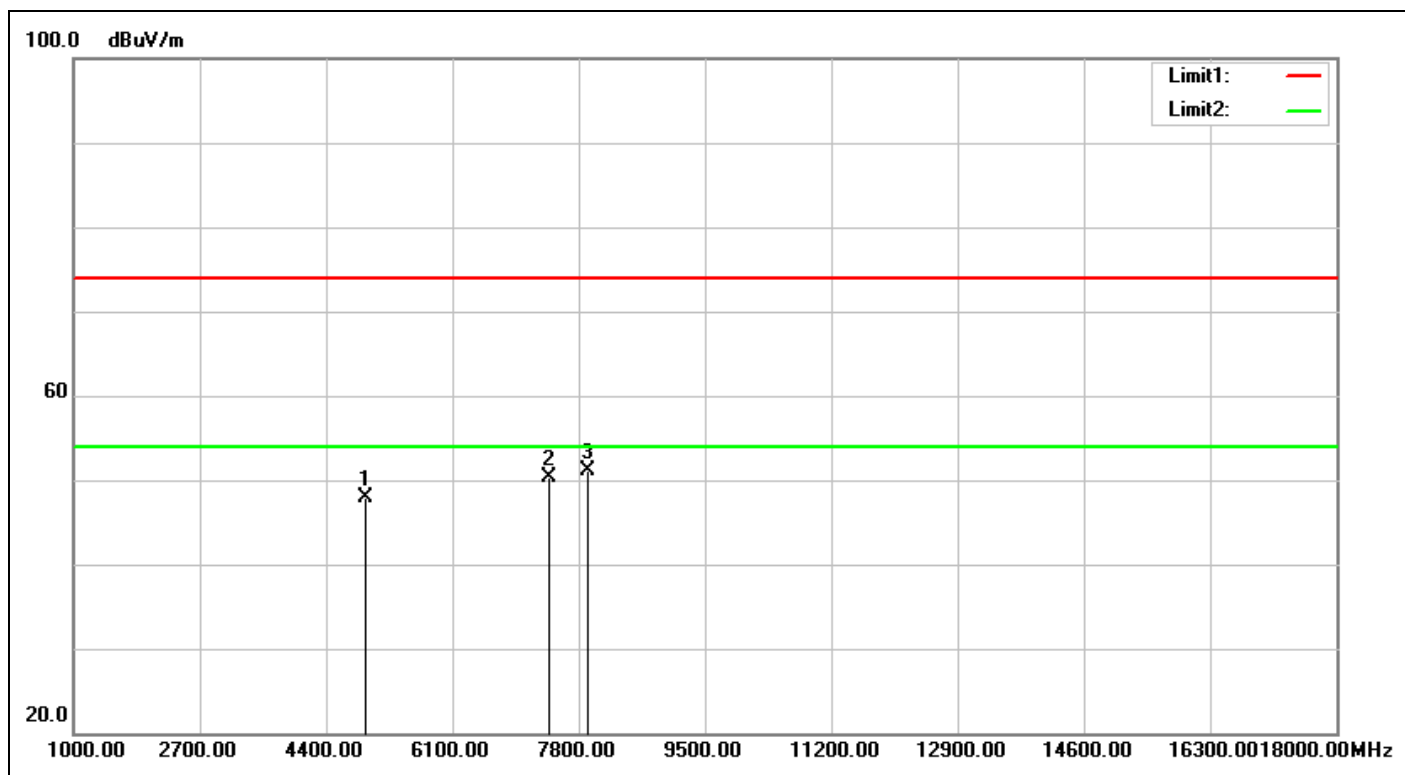
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:35:06
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max power setting)		
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	-2.46	51.63	49.17	74.00	-24.83	peak	100	210	
2	7311.000	5.50	43.50	49.00	74.00	-25.00	peak	100	117	
3	7936.000	5.79	45.84	51.63	74.00	-22.37	peak	100	268	



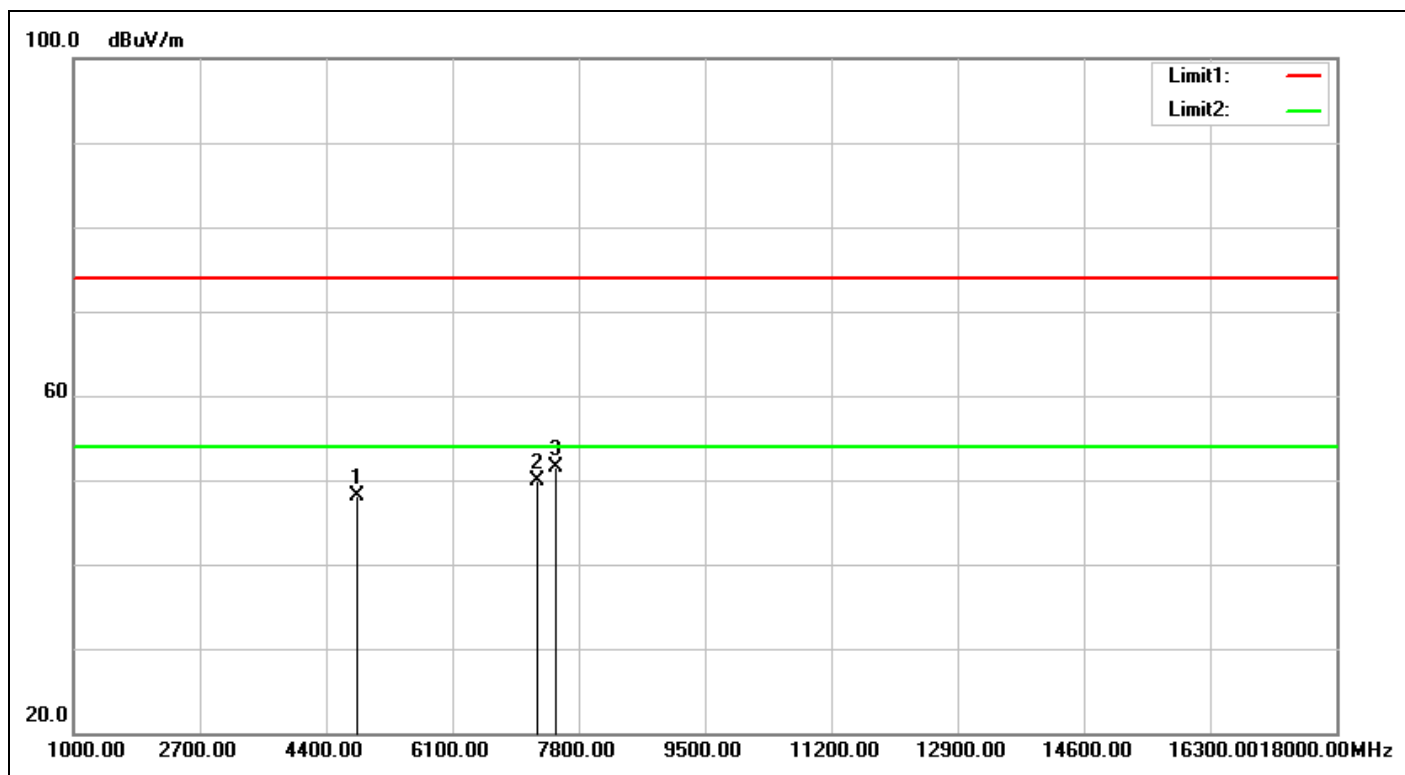
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:37:53
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462-Setting 0 (Max power setting)		
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	-2.32	50.74	48.42	74.00	-25.58	peak	100	360	
2	7386.000	5.67	43.69	49.36	74.00	-24.64	peak	100	75	
3	7885.000	5.80	46.14	51.94	74.00	-22.06	peak	100	0	



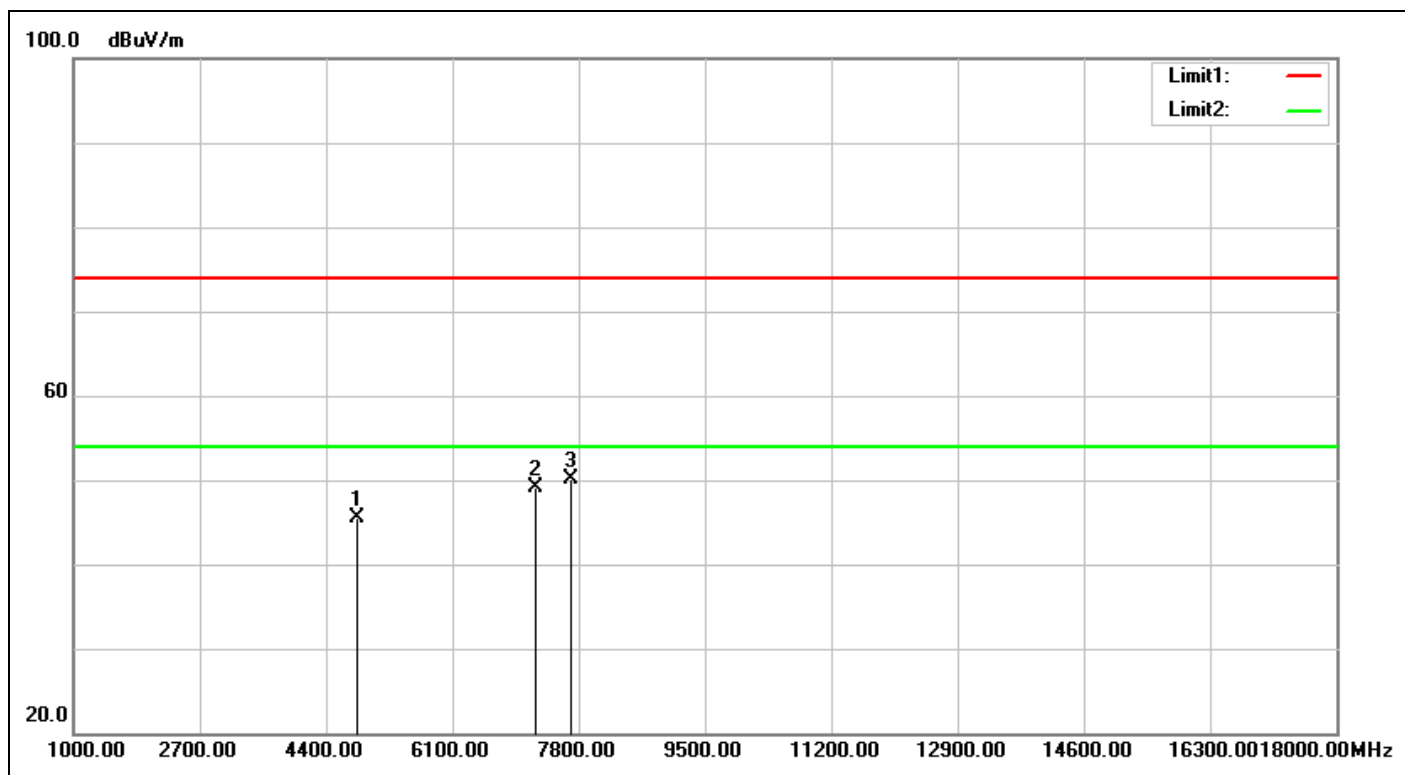
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:38:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462-Setting 0 (Max power setting)		
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	-2.32	50.20	47.88	74.00	-26.12	peak	100	255	
2	7386.000	5.67	44.68	50.35	74.00	-23.65	peak	100	308	
3	7919.000	5.79	45.39	51.18	74.00	-22.82	peak	100	303	



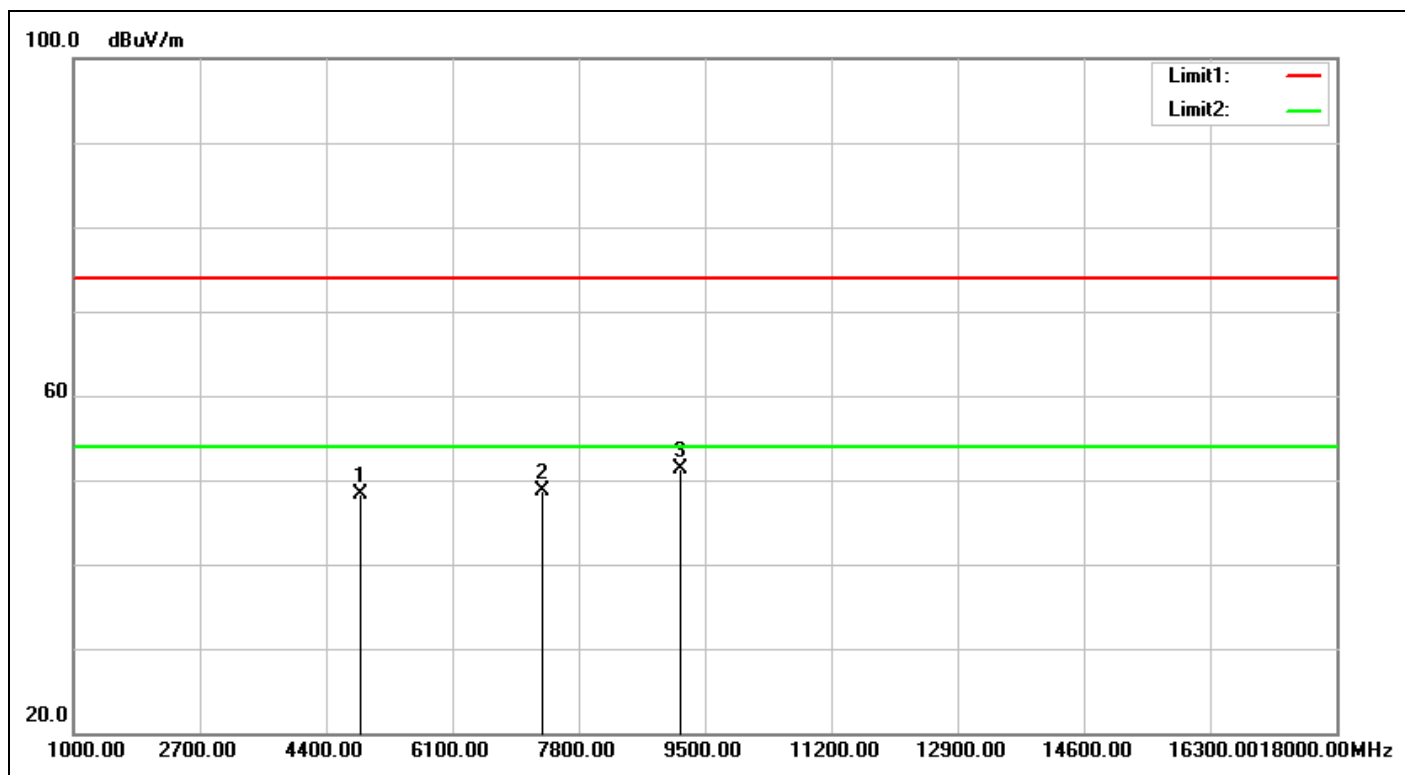
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Test item:	Radiation Emission	Test Time:	2018/9/6 20:41:13
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412-Setting 0 (Max power setting)		
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	-2.59	50.66	48.07	74.00	-25.93	peak	100	44	
2	7236.000	5.32	44.62	49.94	74.00	-24.06	peak	100	263	
3	7494.000	5.92	45.59	51.51	74.00	-22.49	peak	100	191	



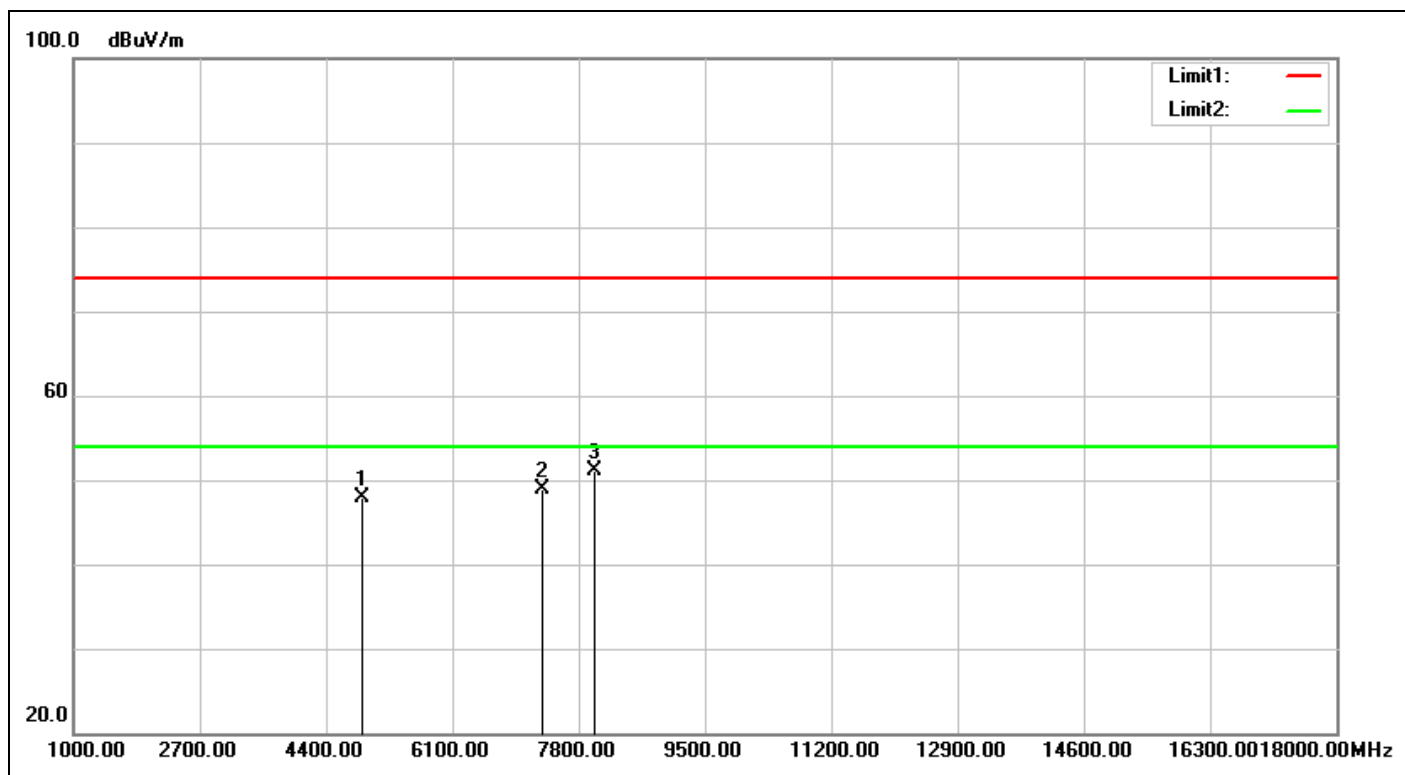
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:42:06
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412-Setting 0 (Max power setting)		
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	-2.59	48.14	45.55	74.00	-28.45	peak	100	109	
2	7236.000	5.32	43.69	49.01	74.00	-24.99	peak	100	31	
3	7698.000	5.87	44.26	50.13	74.00	-23.87	peak	100	172	



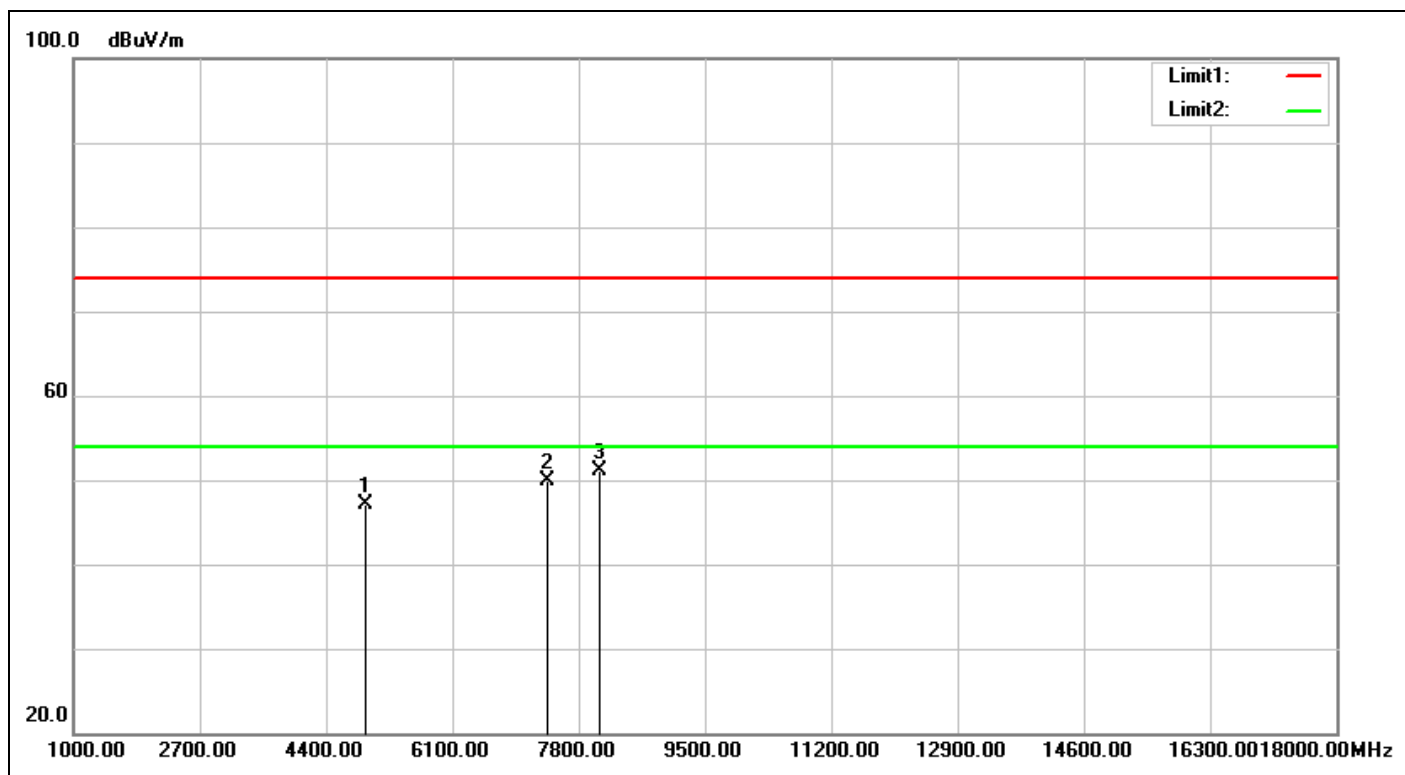
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:44:19
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437-Setting 0 (Max power setting)		
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	-2.46	50.83	48.37	74.00	-25.63	peak	100	359	
2	7311.000	5.50	43.20	48.70	74.00	-25.30	peak	100	328	
3	9160.000	6.53	44.85	51.38	74.00	-22.62	peak	100	48	



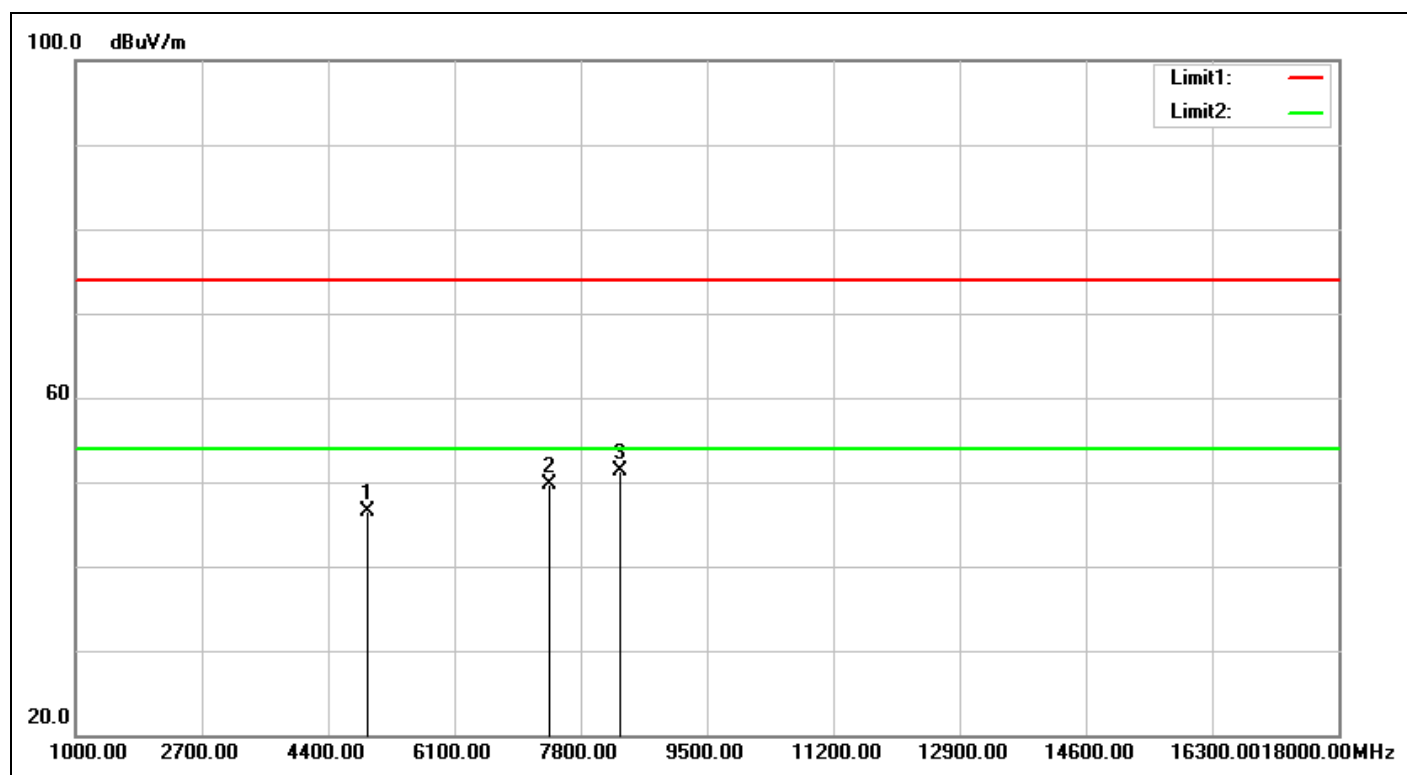
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:45:11
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437-Setting 0 (Max power setting)		
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	-2.46	50.35	47.89	74.00	-26.11	peak	100	205	
2	7311.000	5.50	43.47	48.97	74.00	-25.03	peak	100	148	
3	8004.000	5.77	45.25	51.02	74.00	-22.98	peak	100	322	



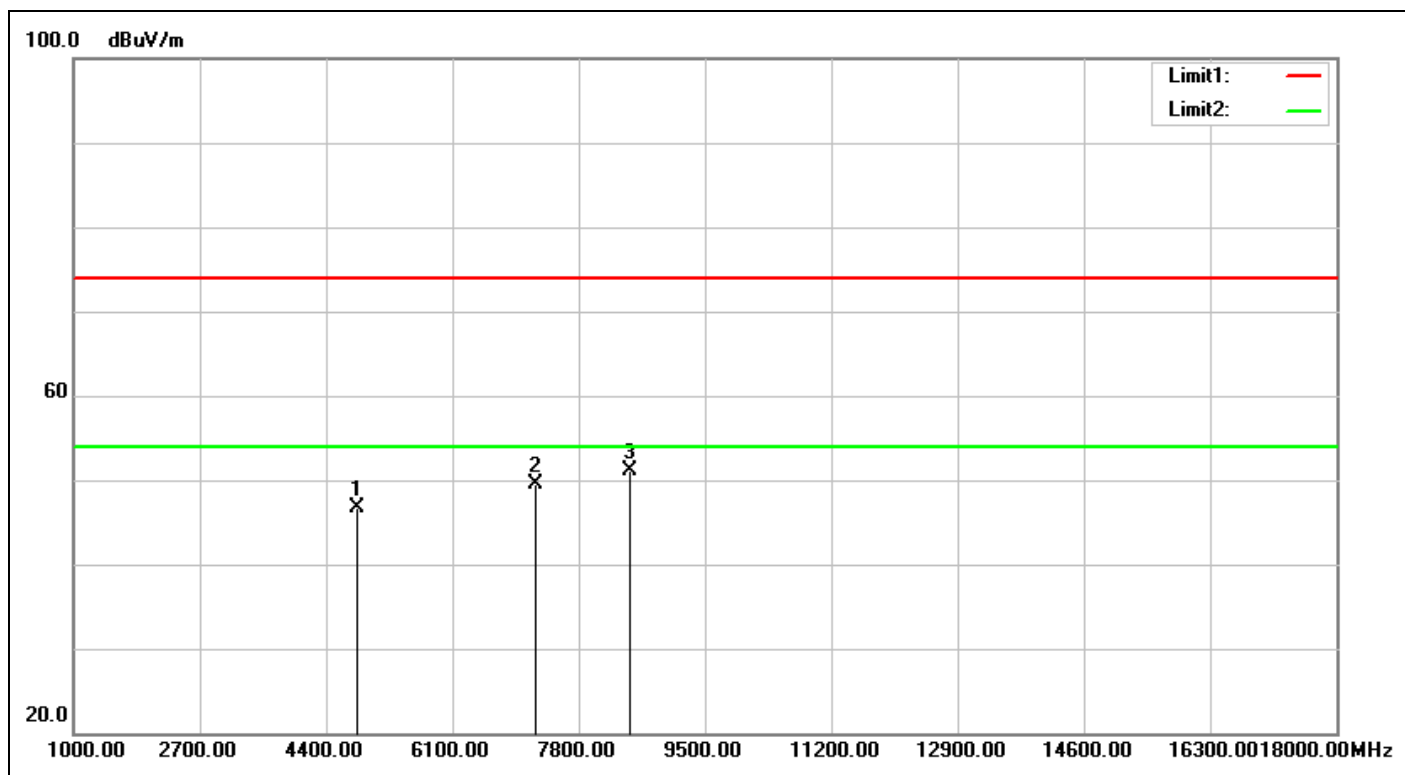
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:48:21
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462-Setting 0 (Max power setting)		
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	-2.32	49.39	47.07	74.00	-26.93	peak	100	107	
2	7386.000	5.67	44.18	49.85	74.00	-24.15	peak	100	28	
3	8089.000	5.90	45.14	51.04	74.00	-22.96	peak	100	356	



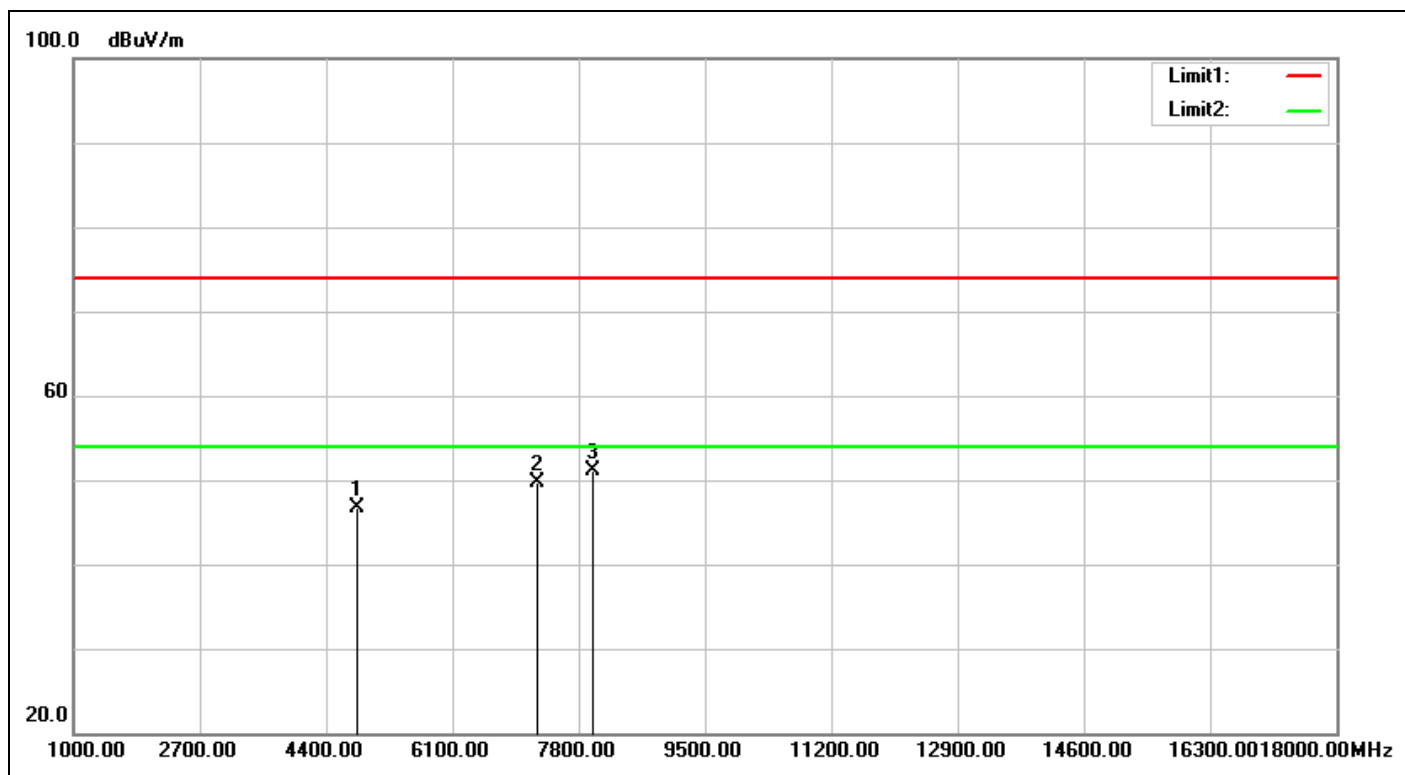
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:49:13
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462-Setting 0 (Max power setting)		
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	-2.32	48.76	46.44	74.00	-27.56	peak	100	54	
2	7386.000	5.67	44.02	49.69	74.00	-24.31	peak	100	36	
3	8327.000	6.25	45.09	51.34	74.00	-22.66	peak	100	138	



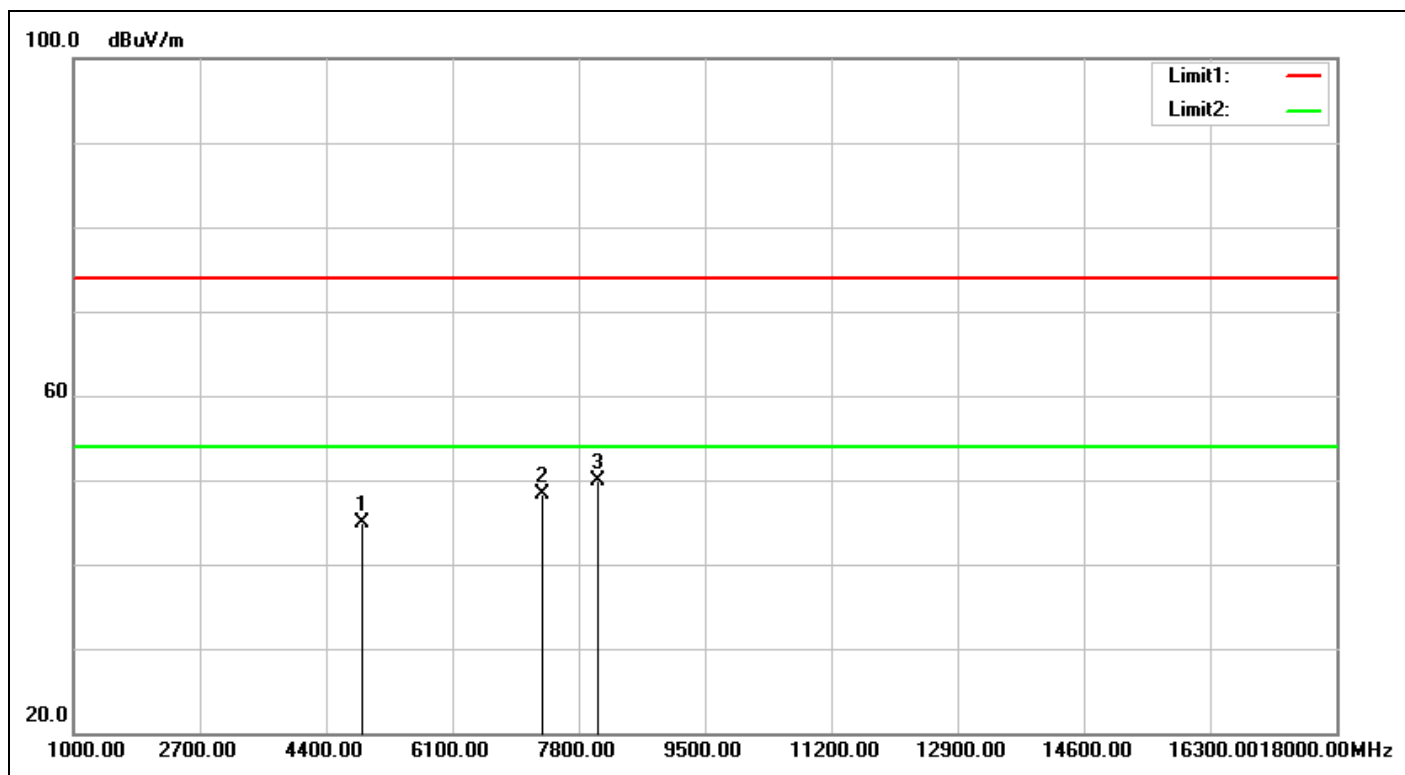
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:52:38
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412-Setting 0 (Max power setting)		
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	-2.59	49.31	46.72	74.00	-27.28	peak	100	0	
2	7236.000	5.32	44.20	49.52	74.00	-24.48	peak	100	68	
3	8497.000	6.51	44.68	51.19	74.00	-22.81	peak	100	360	



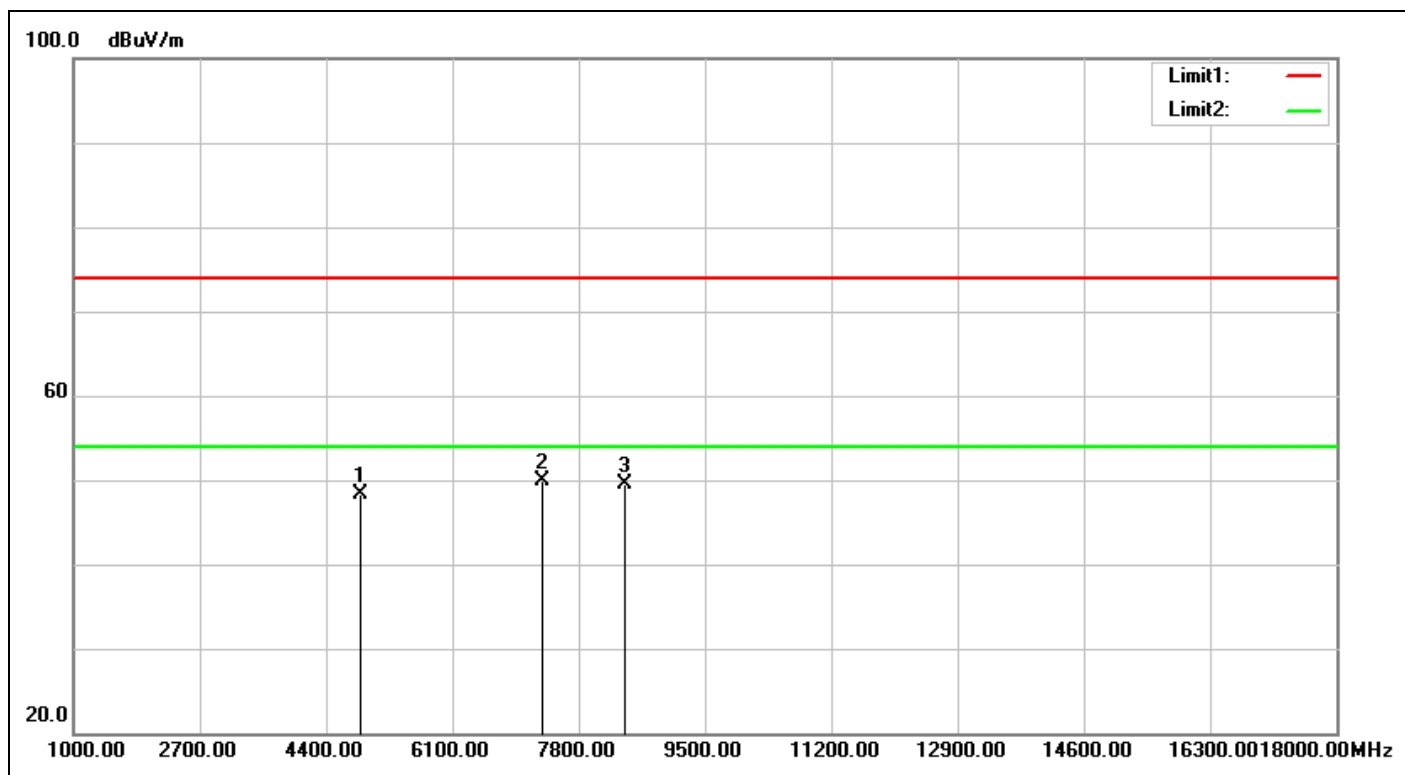
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:53:30
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412-Setting 0 (Max power setting)		
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	-2.59	49.22	46.63	74.00	-27.37	peak	100	248	
2	7236.000	5.32	44.31	49.63	74.00	-24.37	peak	100	309	
3	7987.000	5.77	45.35	51.12	74.00	-22.88	peak	100	227	



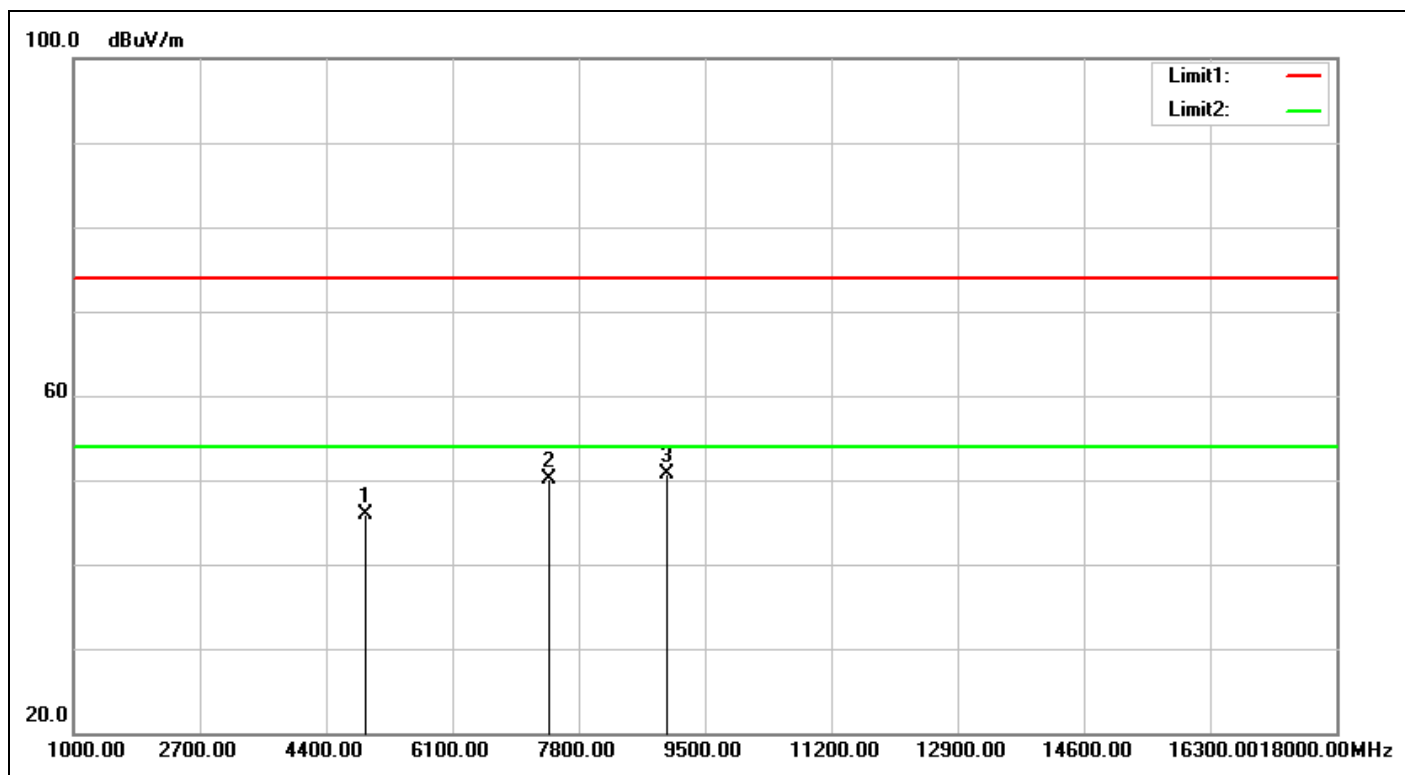
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:56:54
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437-Setting 0 (Max power setting)		
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	-2.46	47.34	44.88	74.00	-29.12	peak	100	0	
2	7311.000	5.50	42.85	48.35	74.00	-25.65	peak	100	140	
3	8055.000	5.85	44.03	49.88	74.00	-24.12	peak	100	359	



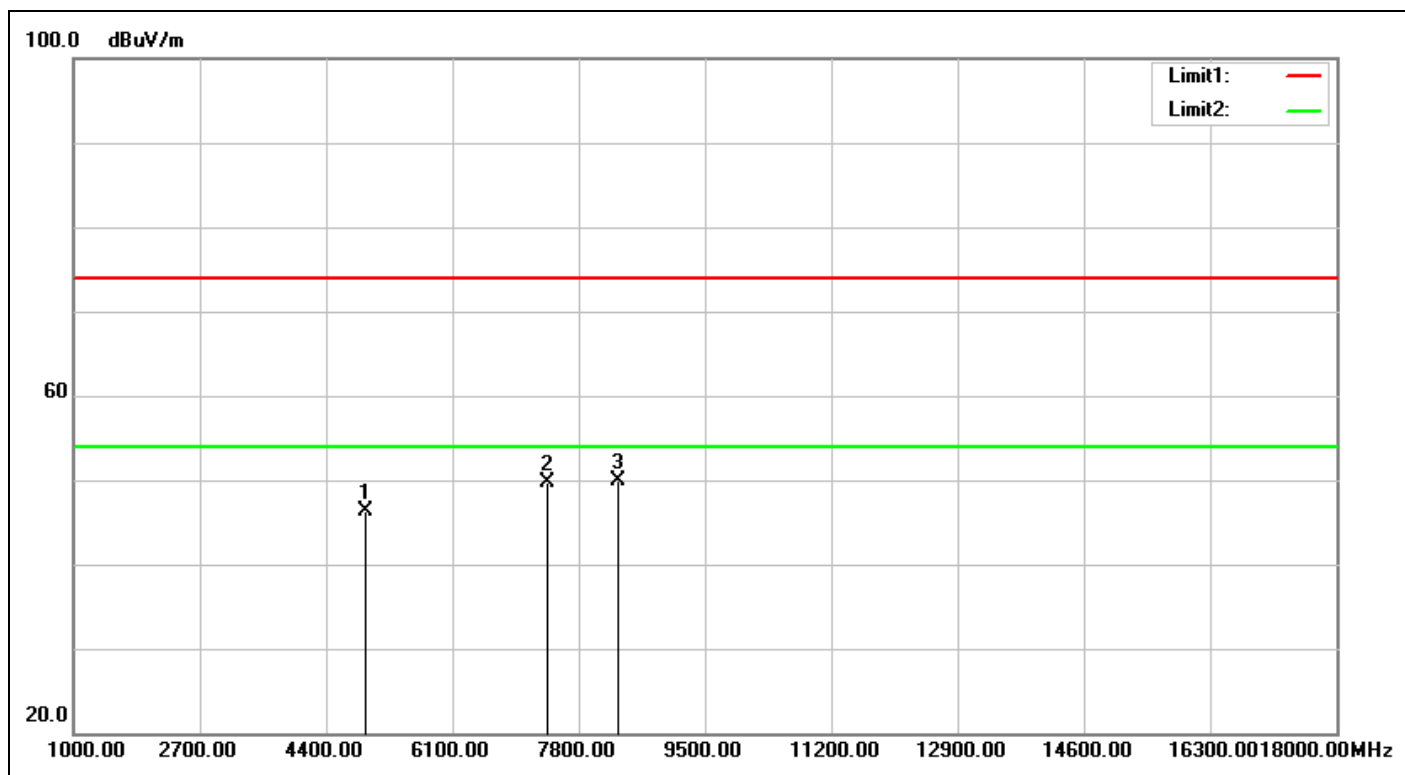
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 20:57:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437-Setting 0 (Max power setting)		
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	-2.46	50.81	48.35	74.00	-25.65	peak	100	106	
2	7311.000	5.50	44.31	49.81	74.00	-24.19	peak	100	31	
3	8429.000	6.41	43.13	49.54	74.00	-24.46	peak	100	354	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 20:59:55
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462-Setting 0 (Max power setting)		
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	-2.32	48.29	45.97	74.00	-28.03	peak	100	51	
2	7386.000	5.67	44.43	50.10	74.00	-23.90	peak	100	0	
3	8990.000	6.56	44.17	50.73	74.00	-23.27	peak	100	198	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:00:47
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462-Setting 0 (Max power setting)		
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	-2.32	48.71	46.39	74.00	-27.61	peak	100	56	
2	7386.000	5.67	44.04	49.71	74.00	-24.29	peak	100	188	
3	8327.000	6.25	43.63	49.88	74.00	-24.12	peak	100	32	

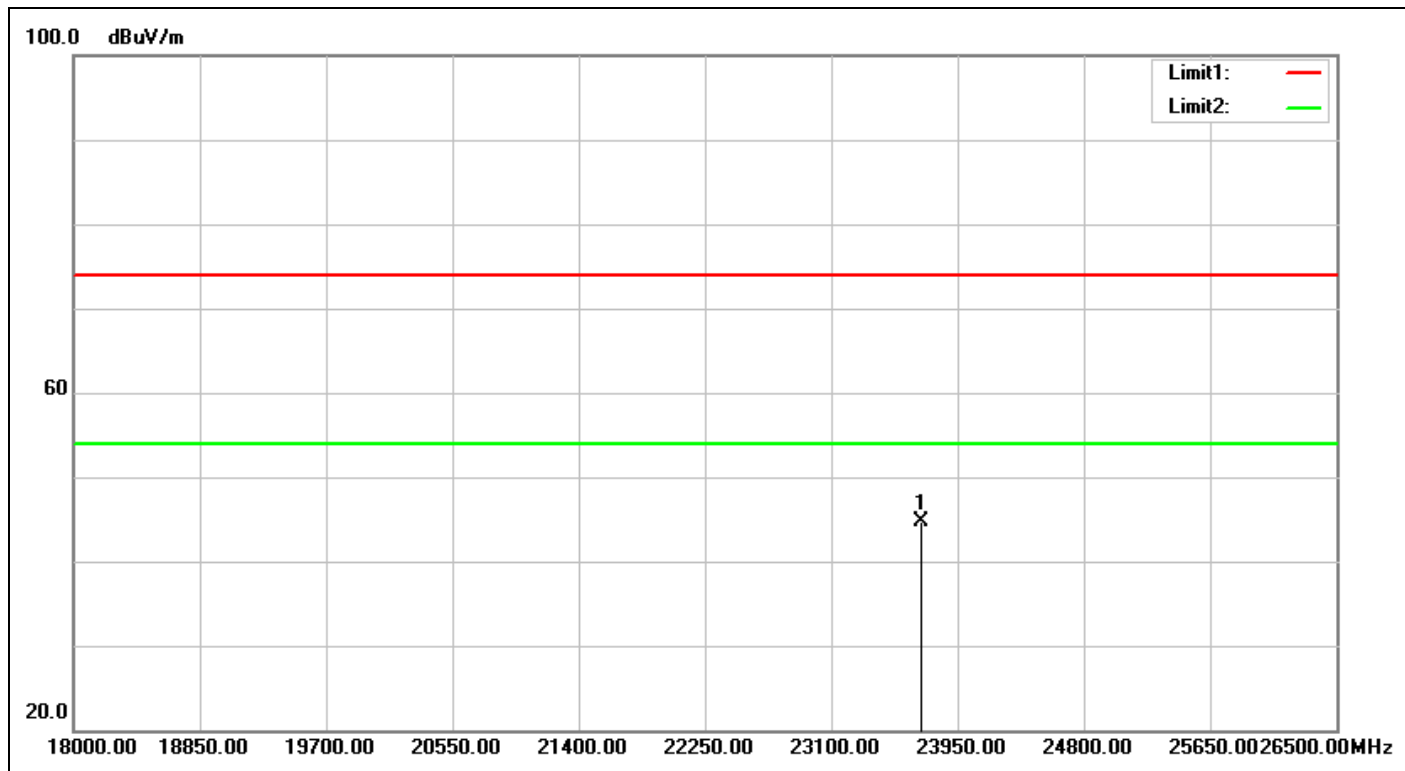
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

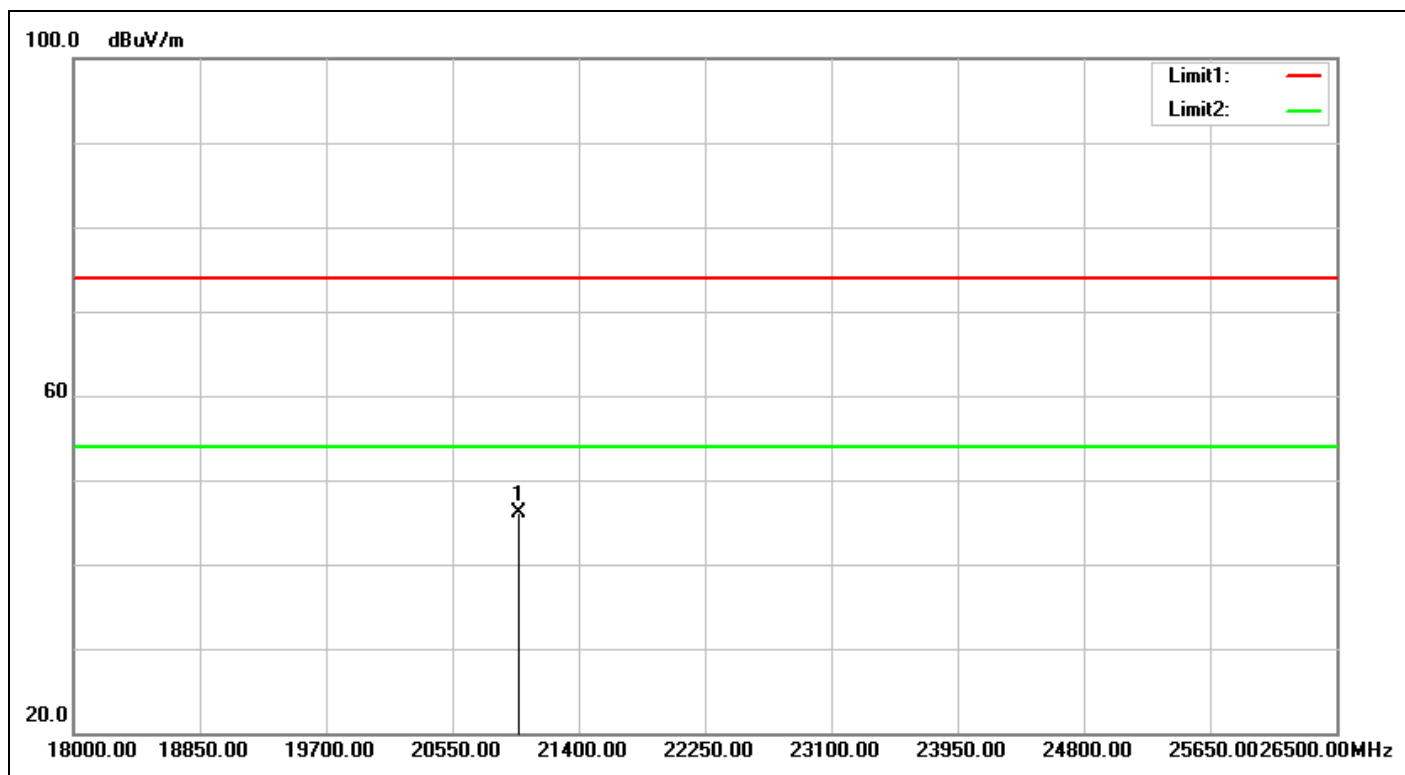
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



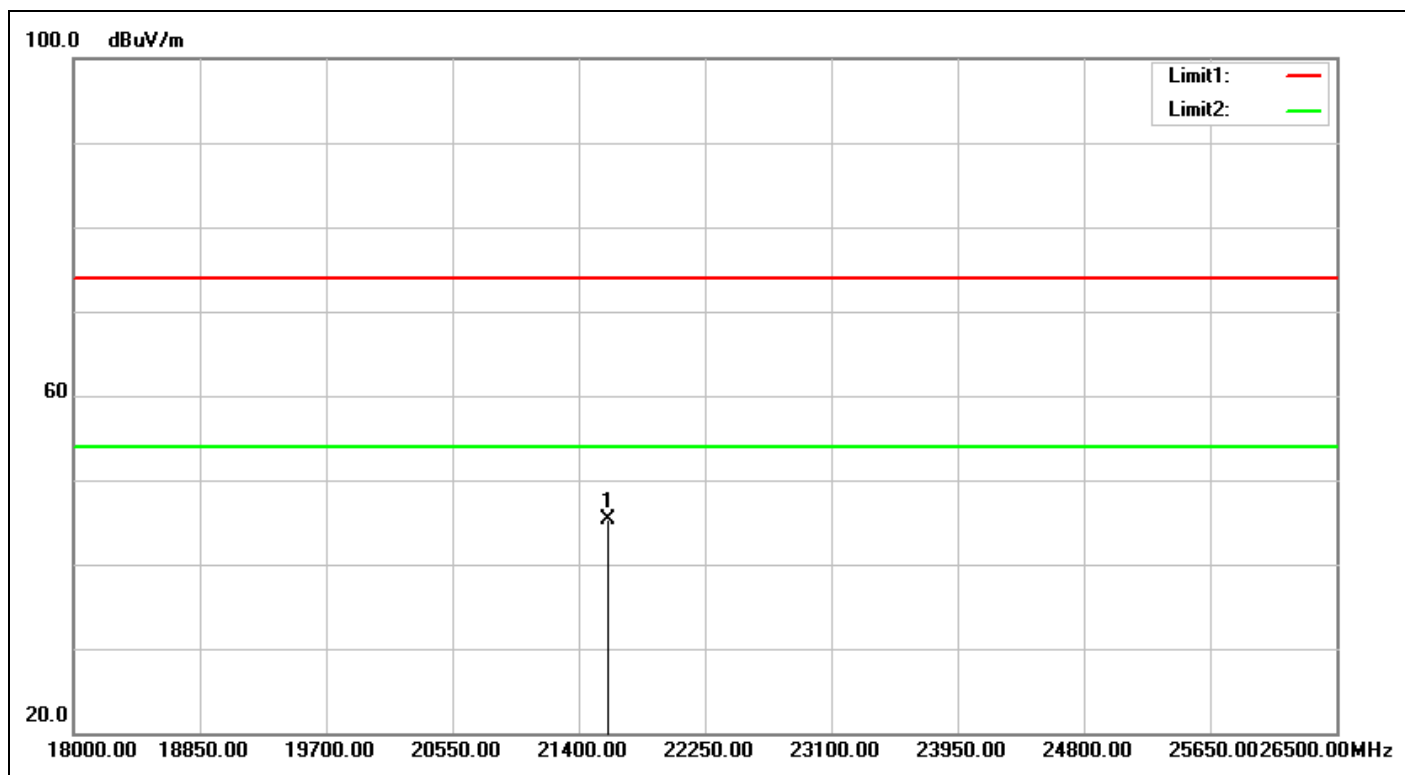
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:13:42
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412-Setting 0 (Max Power setting		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23703.500	5.70	39.10	44.80	74.00	-29.20	peak	100	119	



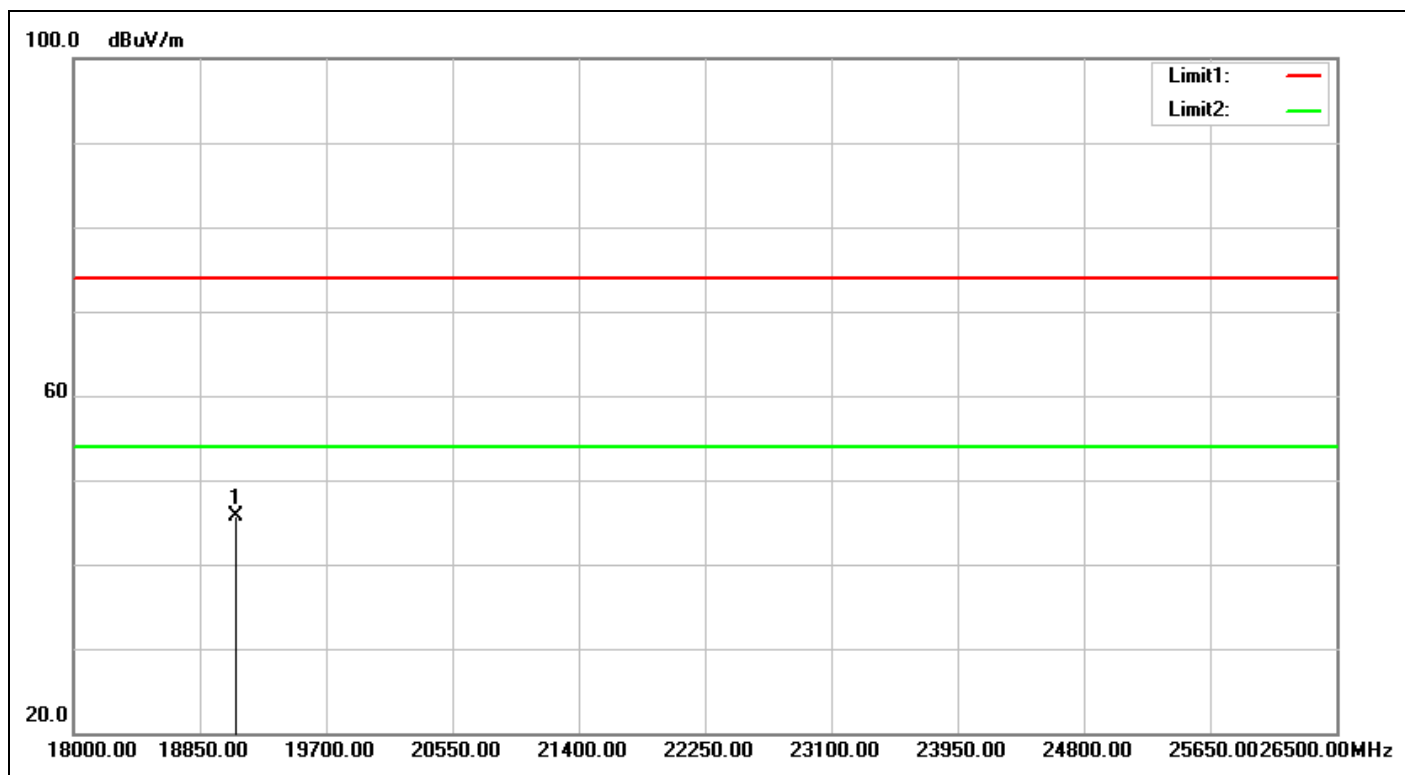
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:14:34
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20992.000	4.79	41.27	46.06	74.00	-27.94	peak	100	142	



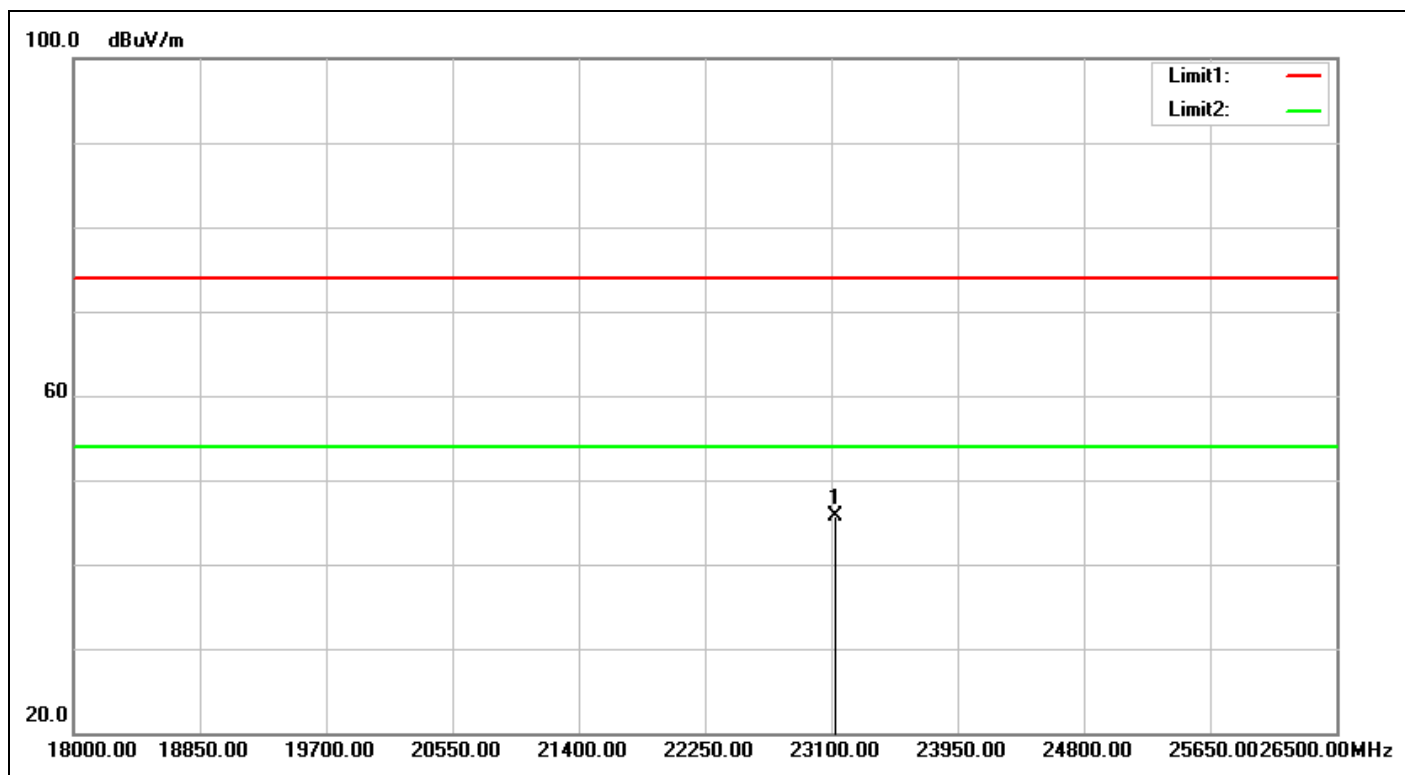
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:15:59
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21595.500	4.29	41.08	45.37	74.00	-28.63	peak	100	339	



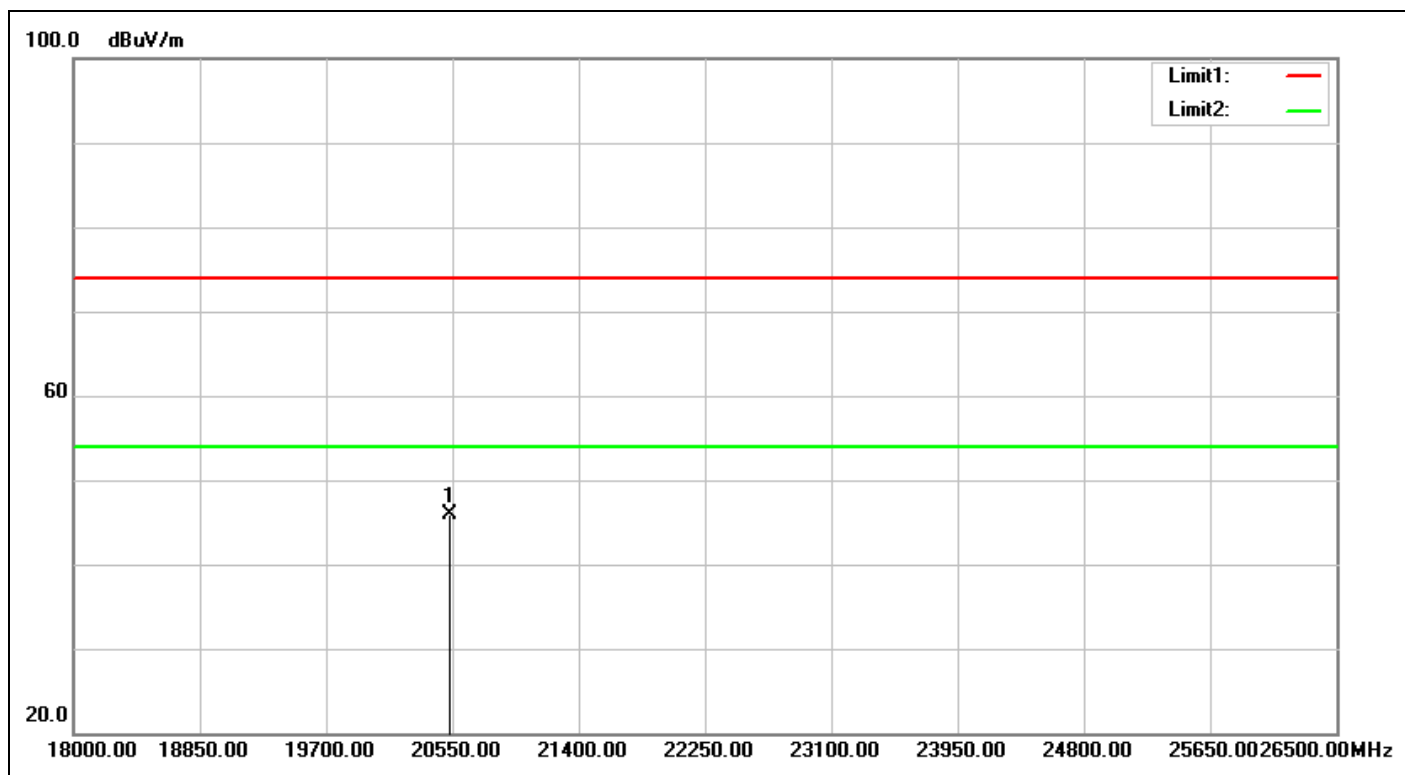
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:16:51
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19088.000	4.31	41.43	45.74	74.00	-28.26	peak	100	342	



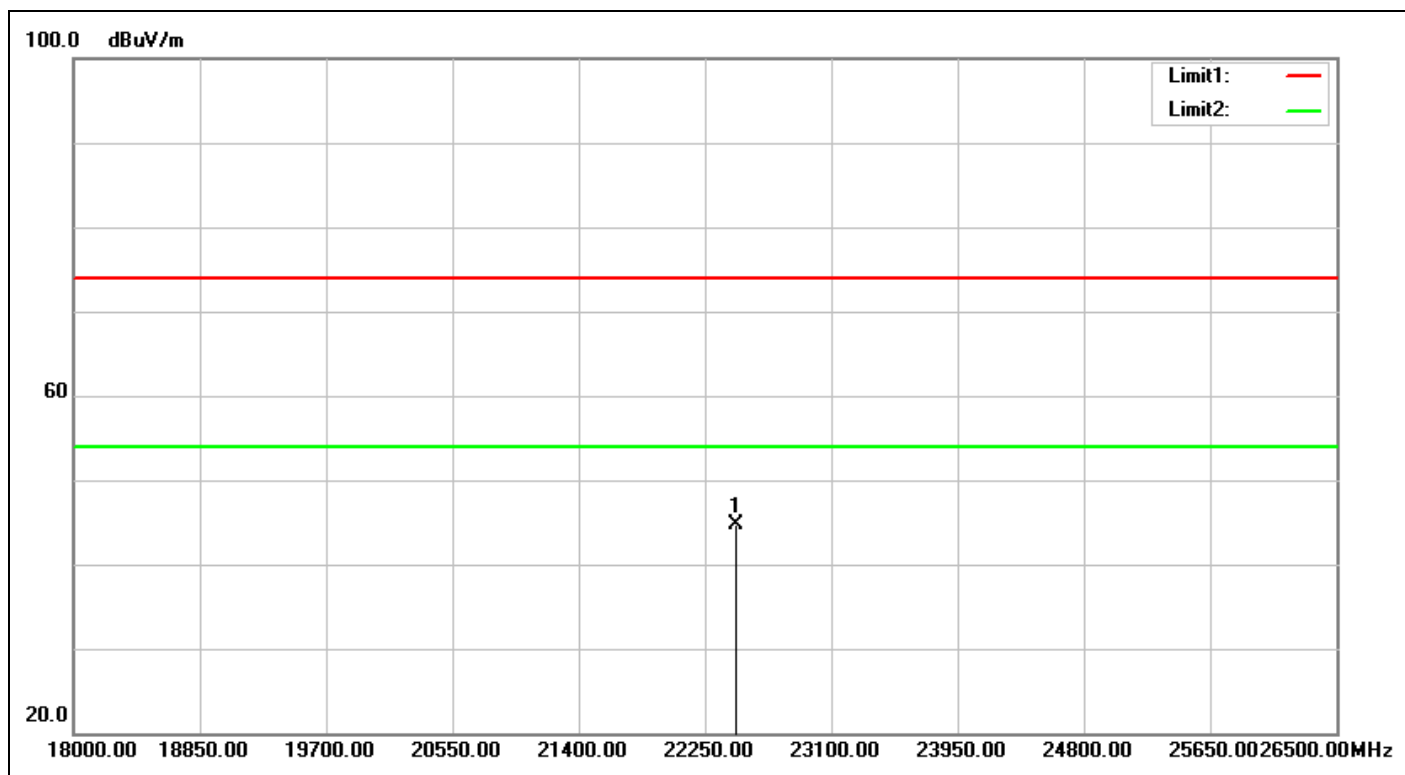
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:18:08
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23125.500	5.46	40.18	45.64	74.00	-28.36	peak	100	0	



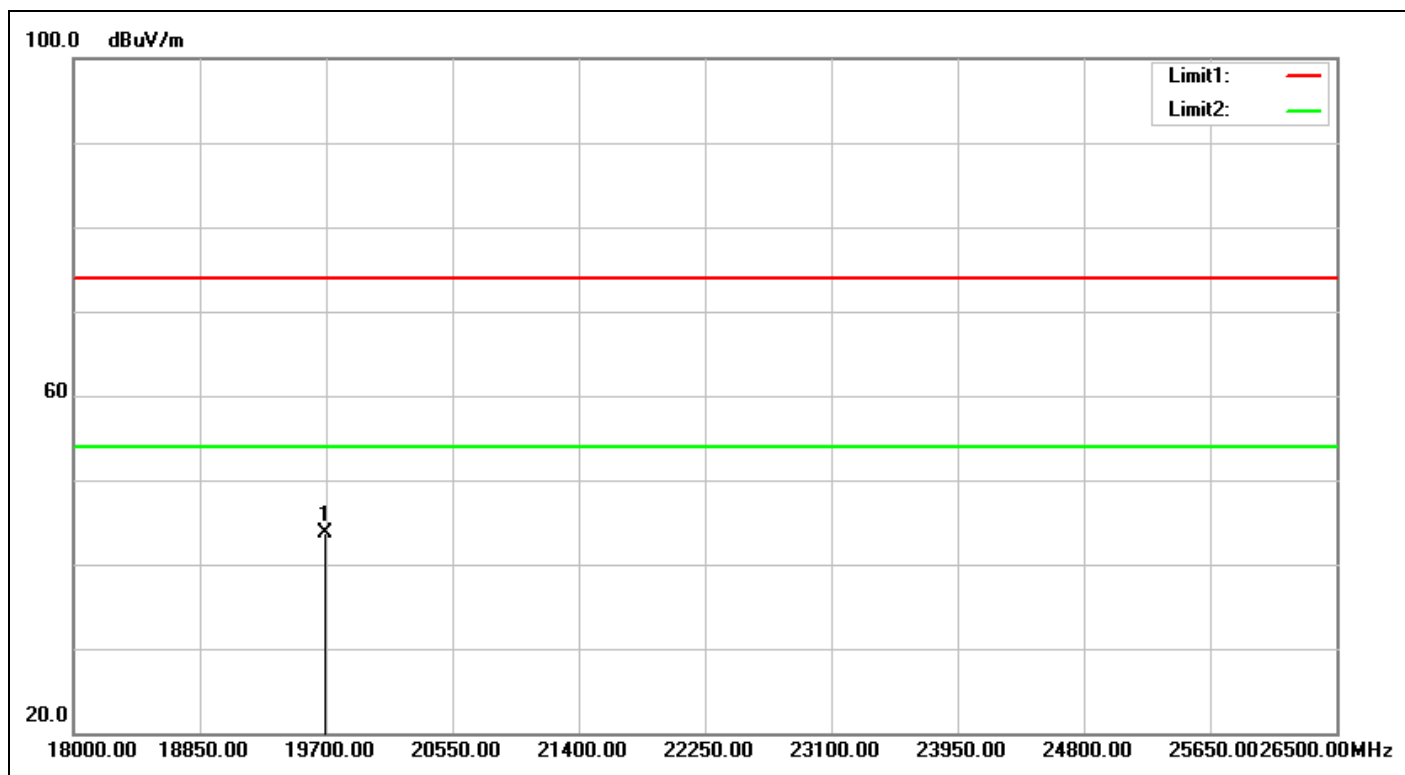
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:19:00
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20533.000	4.23	41.61	45.84	74.00	-28.16	peak	100	114	



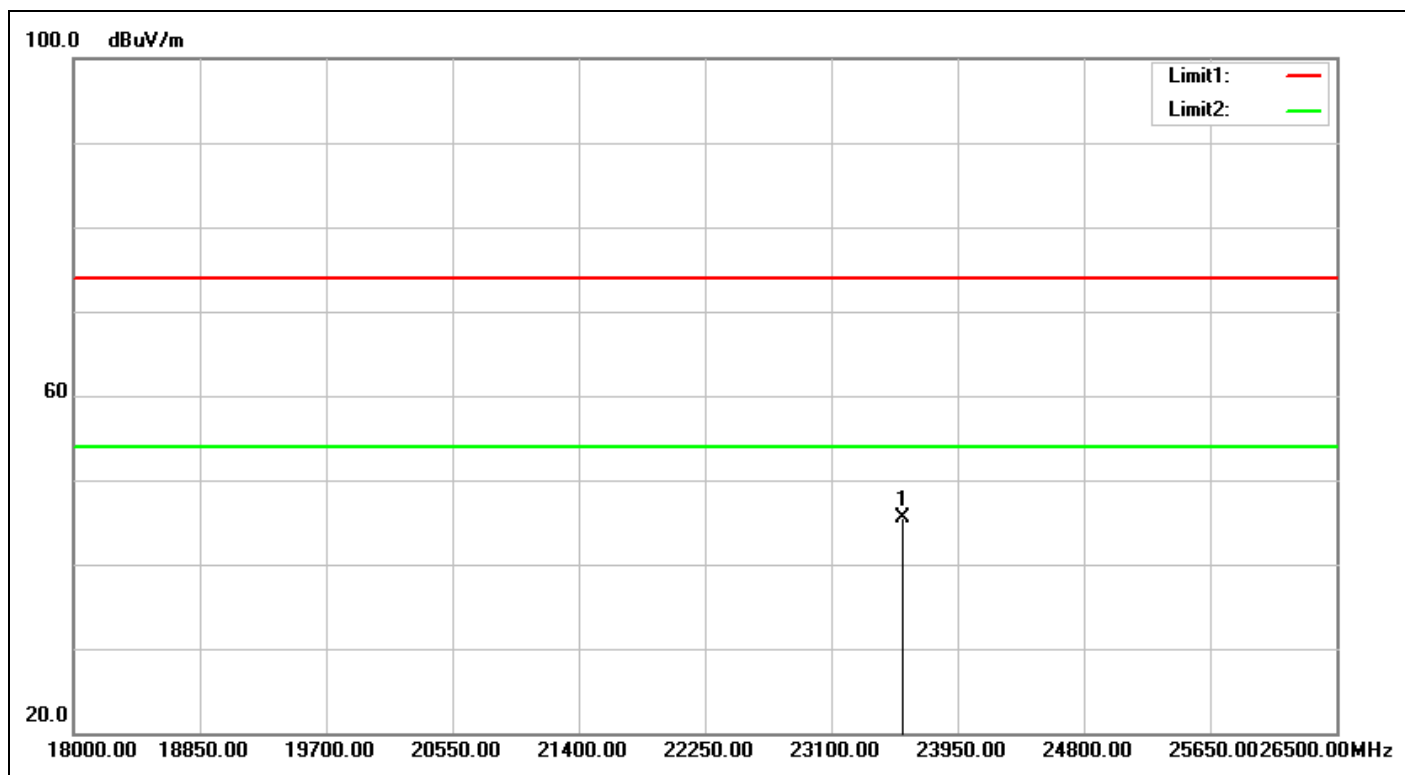
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:20:32
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22462.500	4.61	40.07	44.68	74.00	-29.32	peak	100	358	



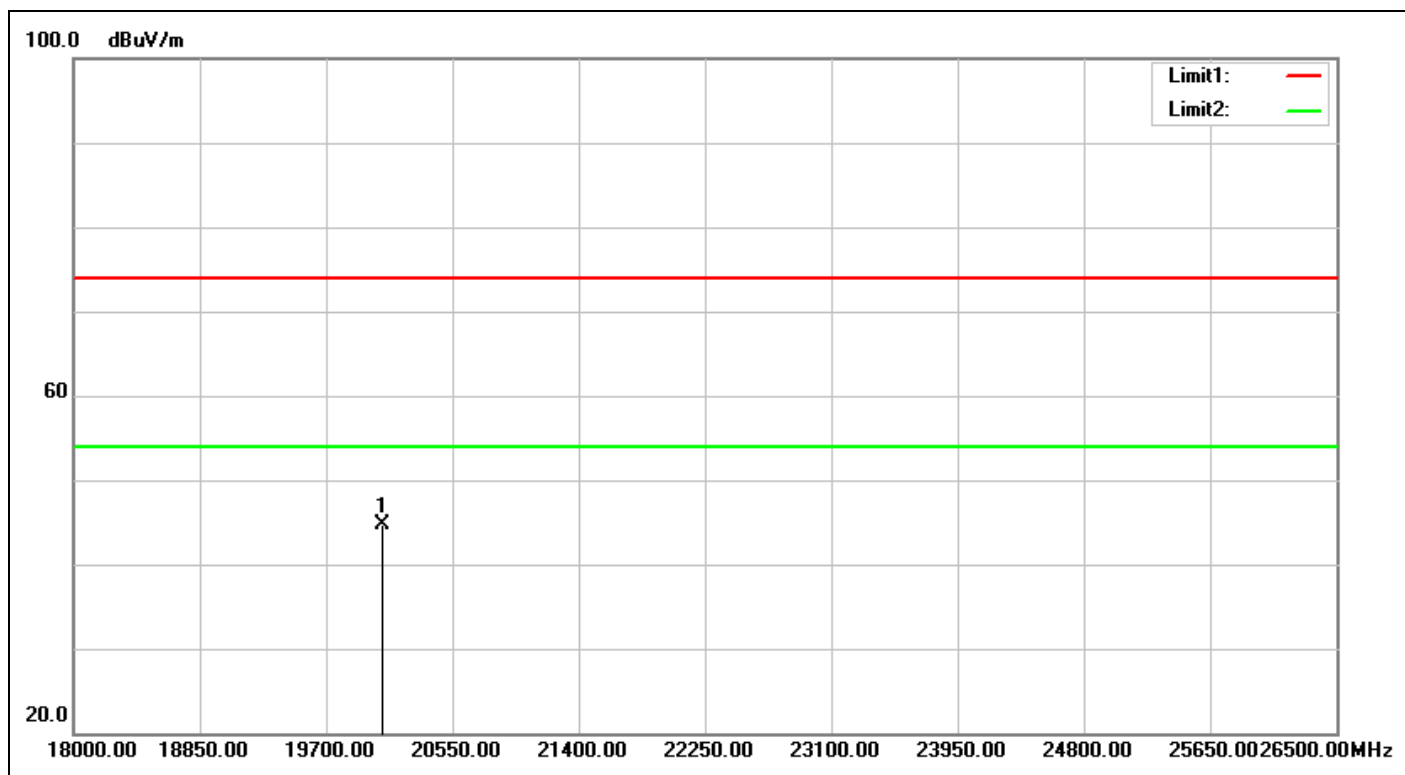
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:21:25
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19691.500	3.99	39.64	43.63	74.00	-30.37	peak	100	114	



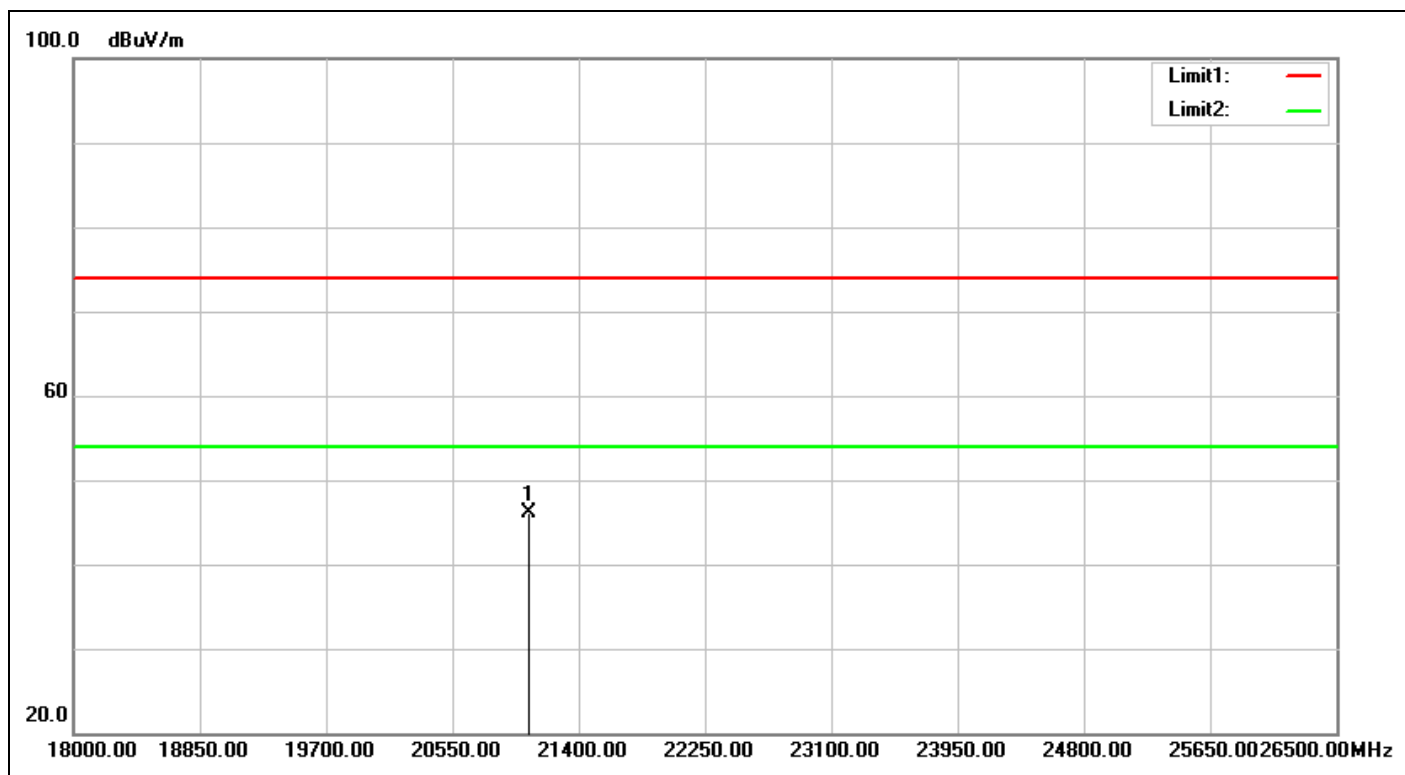
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:22:42
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23576.000	5.81	39.77	45.58	74.00	-28.42	peak	100	280	



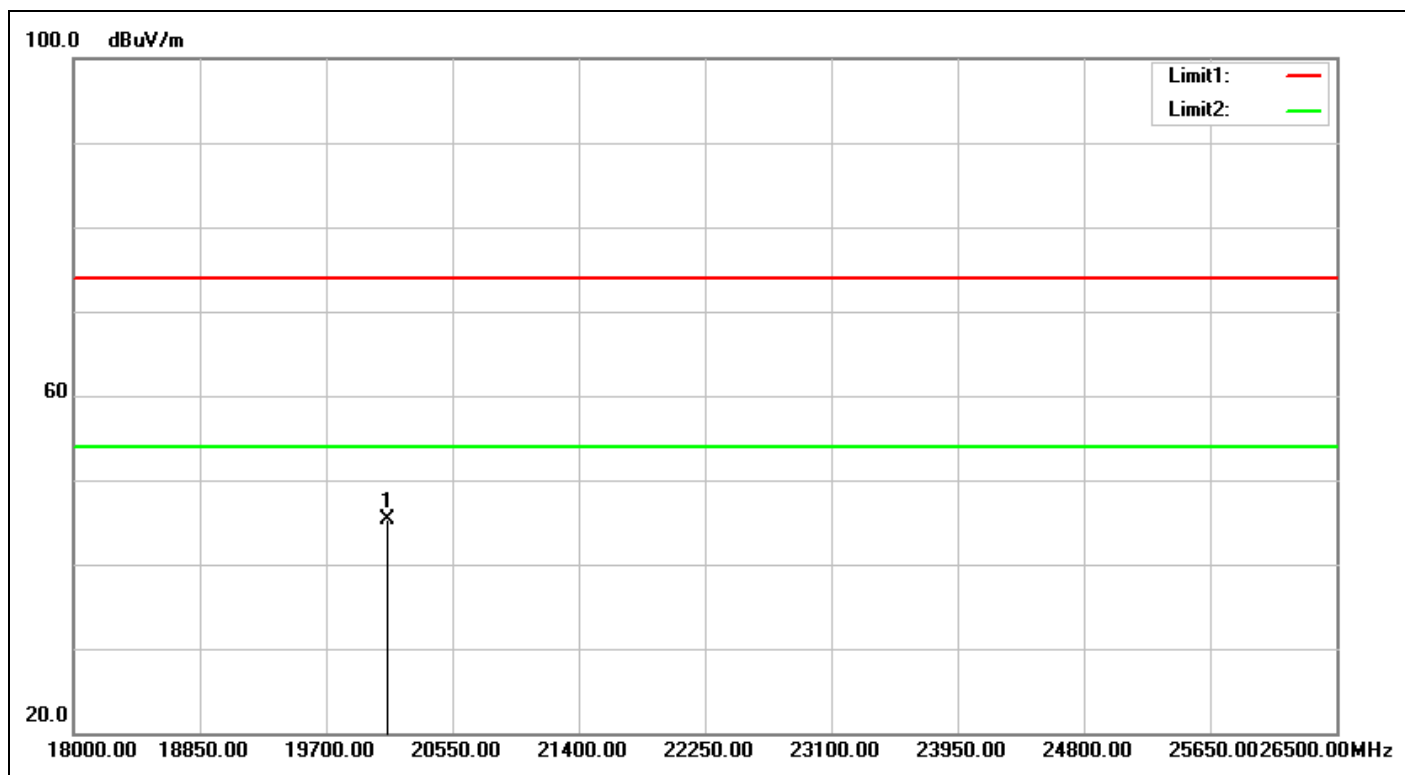
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:23:34
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20082.500	4.26	40.51	44.77	74.00	-29.23	peak	100	302	



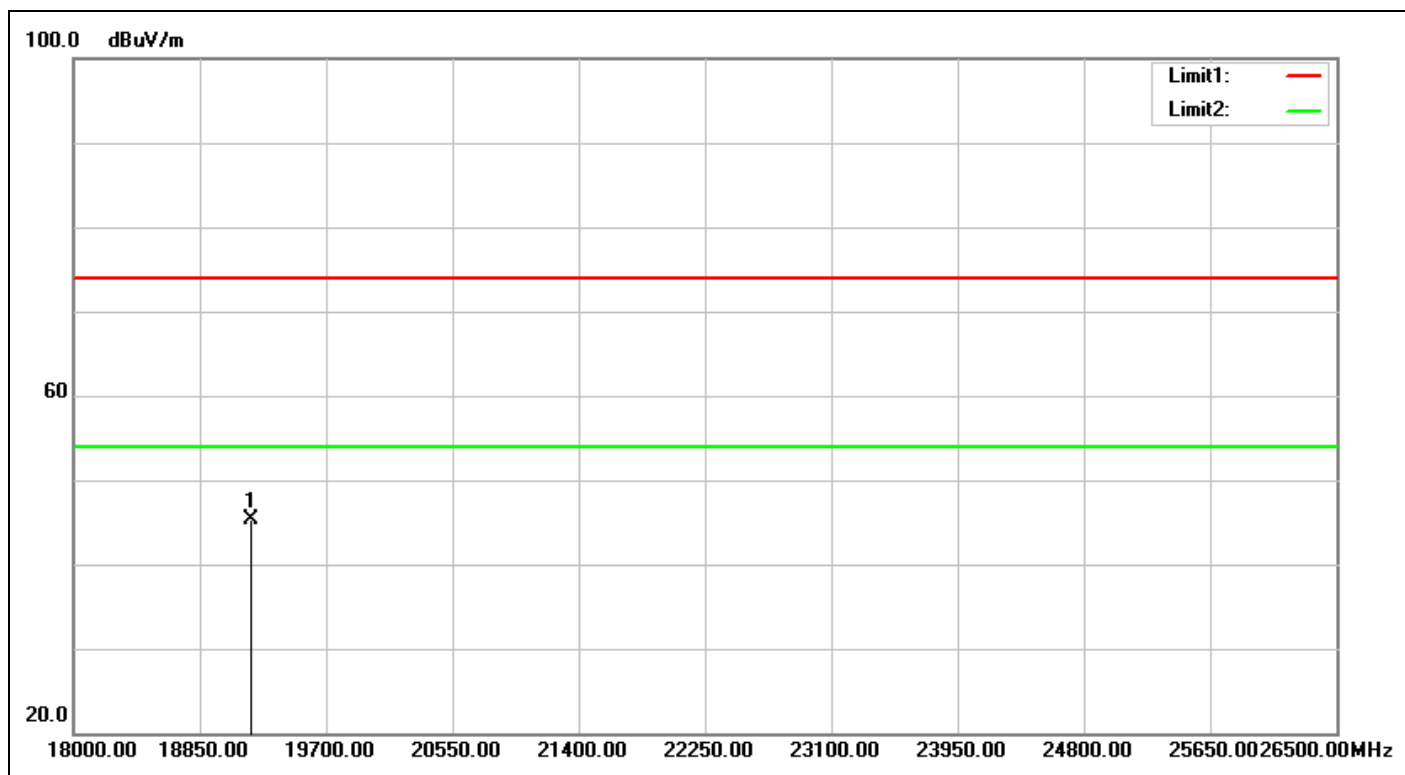
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:24:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462-Setting 0 (Max Power setting)		
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	4.73	41.29	46.02	74.00	-27.98	peak	100	345	



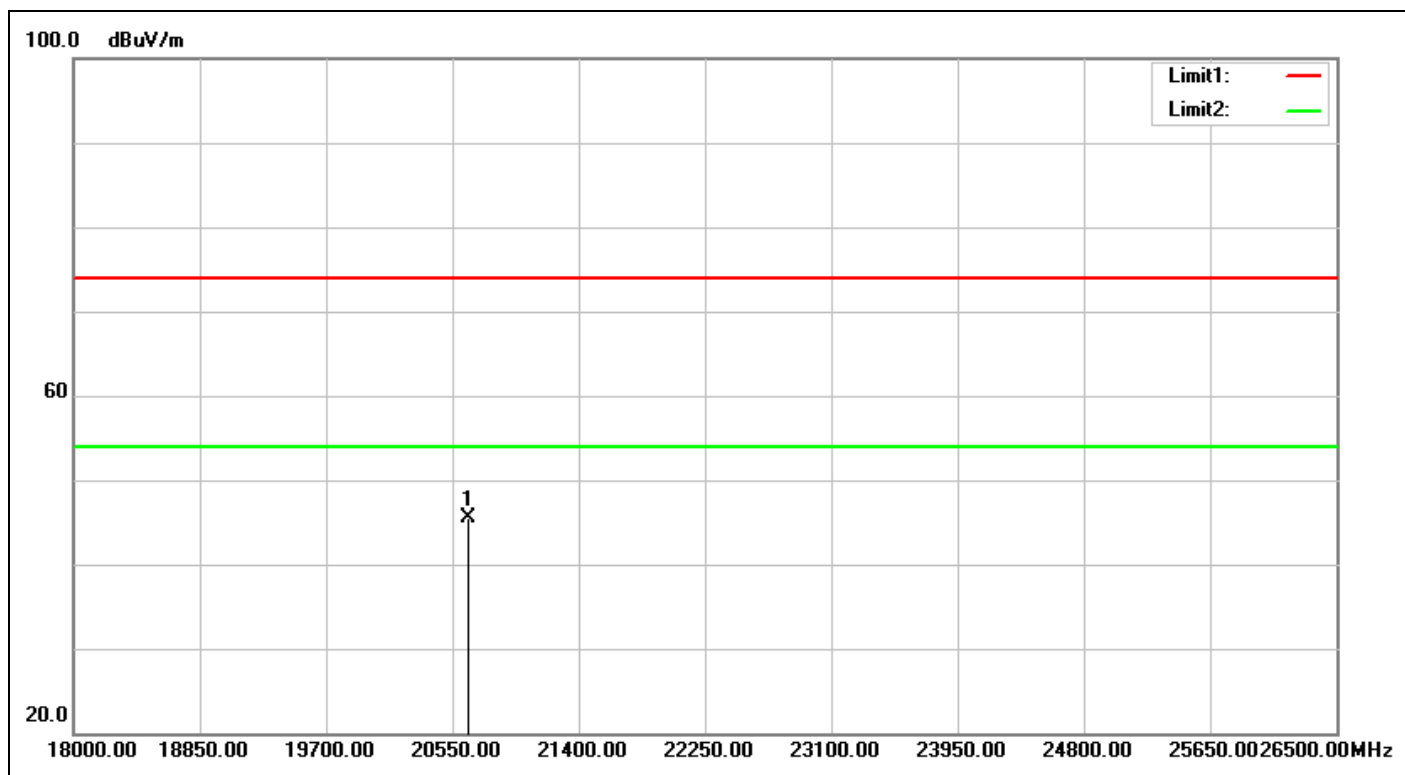
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:25:39
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20108.000	4.26	41.13	45.39	74.00	-28.61	peak	100	124	



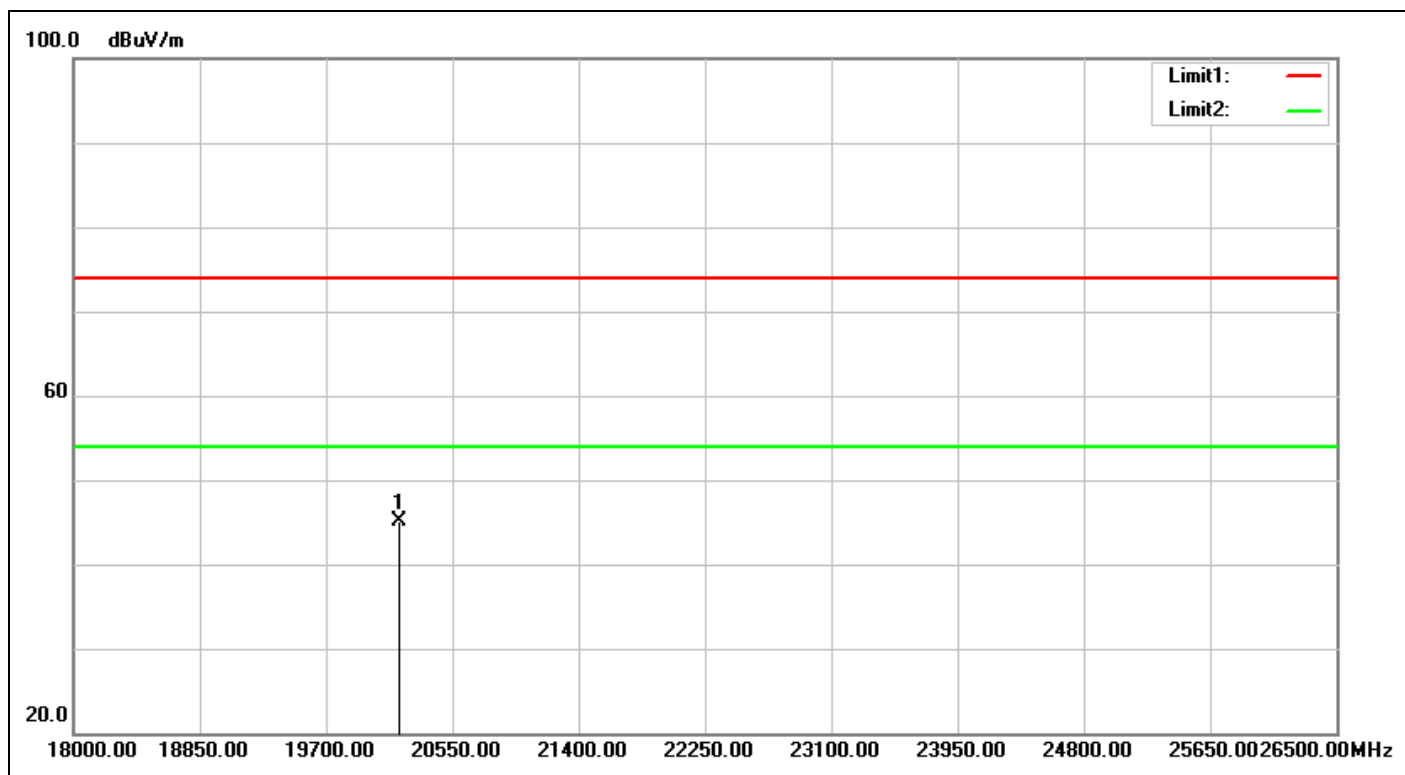
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:26:54
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19198.500	4.18	41.04	45.22	74.00	-28.78	peak	100	215	



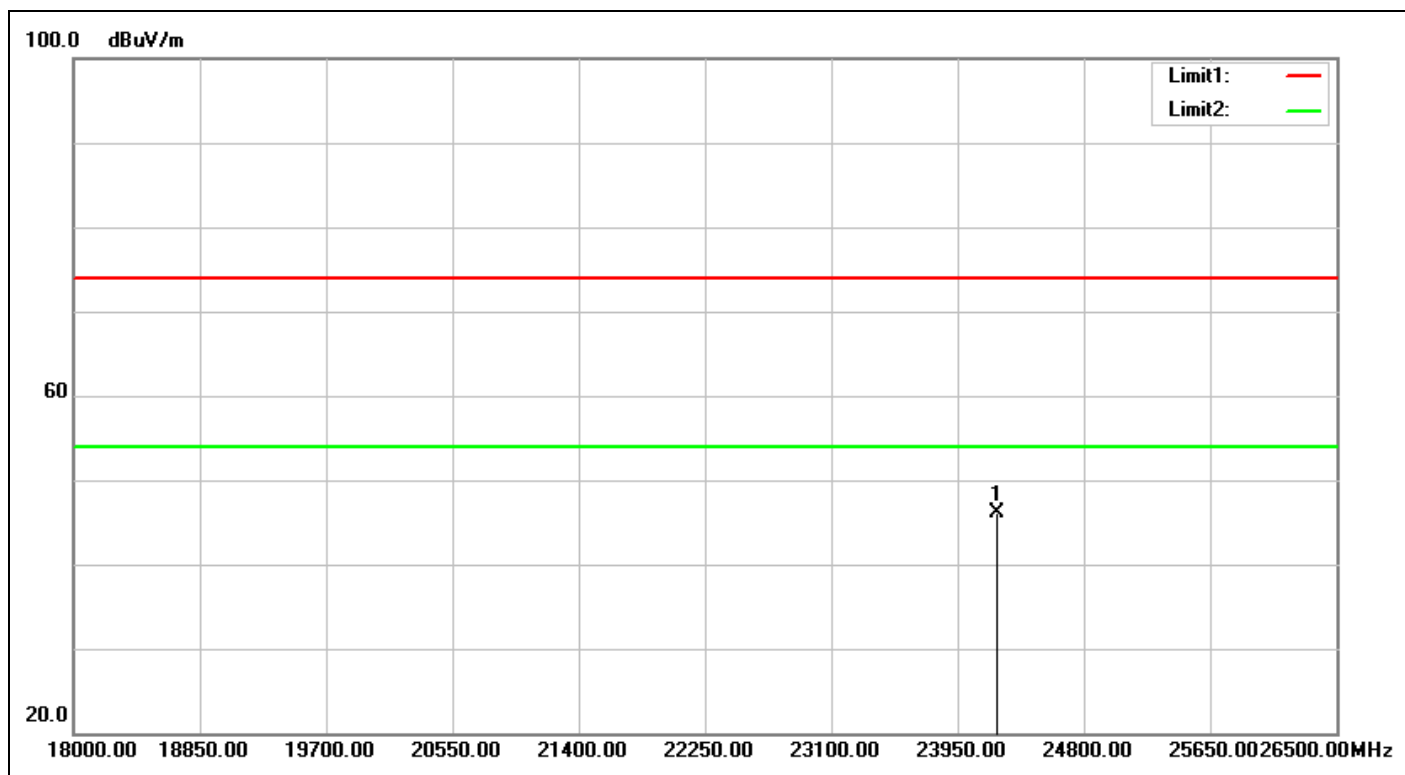
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:27:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20652.000	4.37	41.23	45.60	74.00	-28.40	peak	100	25	



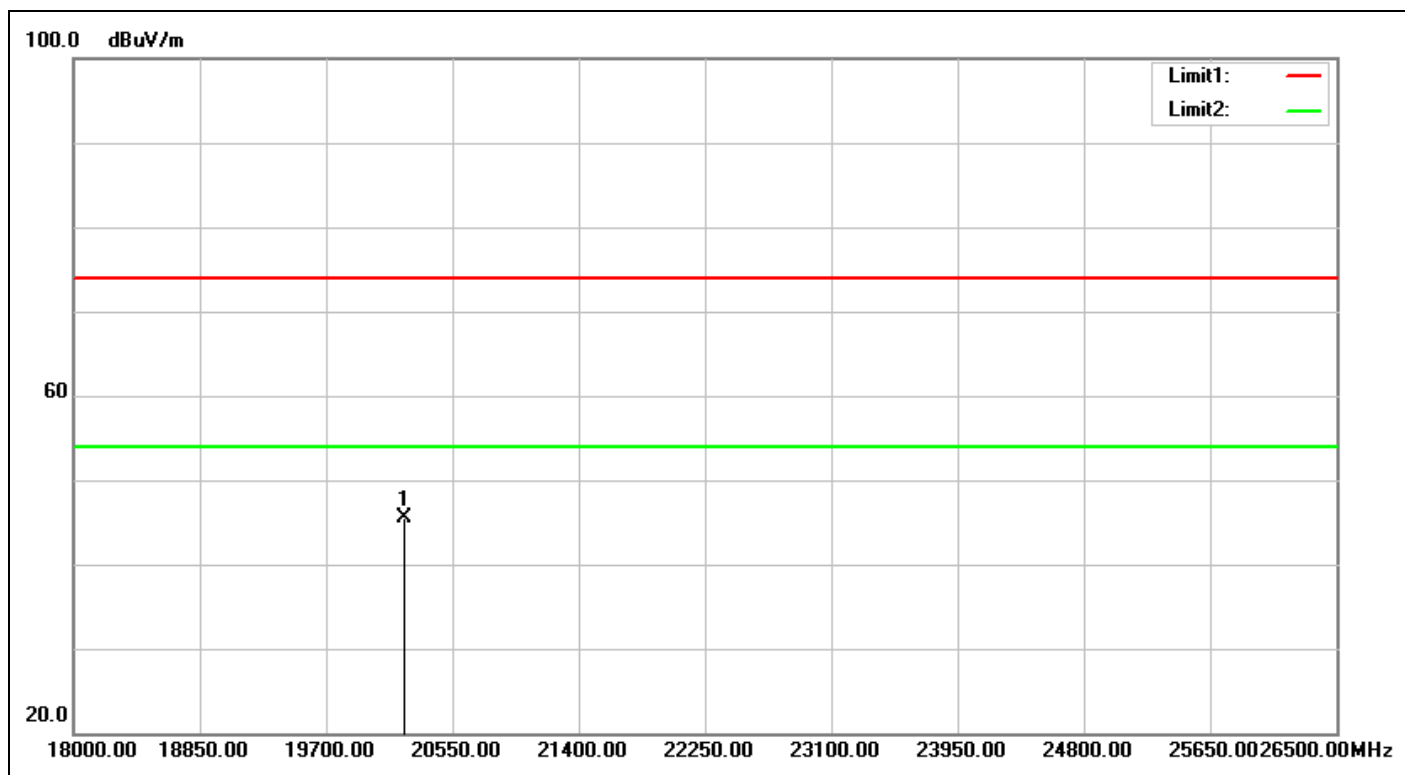
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:29:01
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20193.000	4.23	40.79	45.02	74.00	-28.98	peak	100	99	



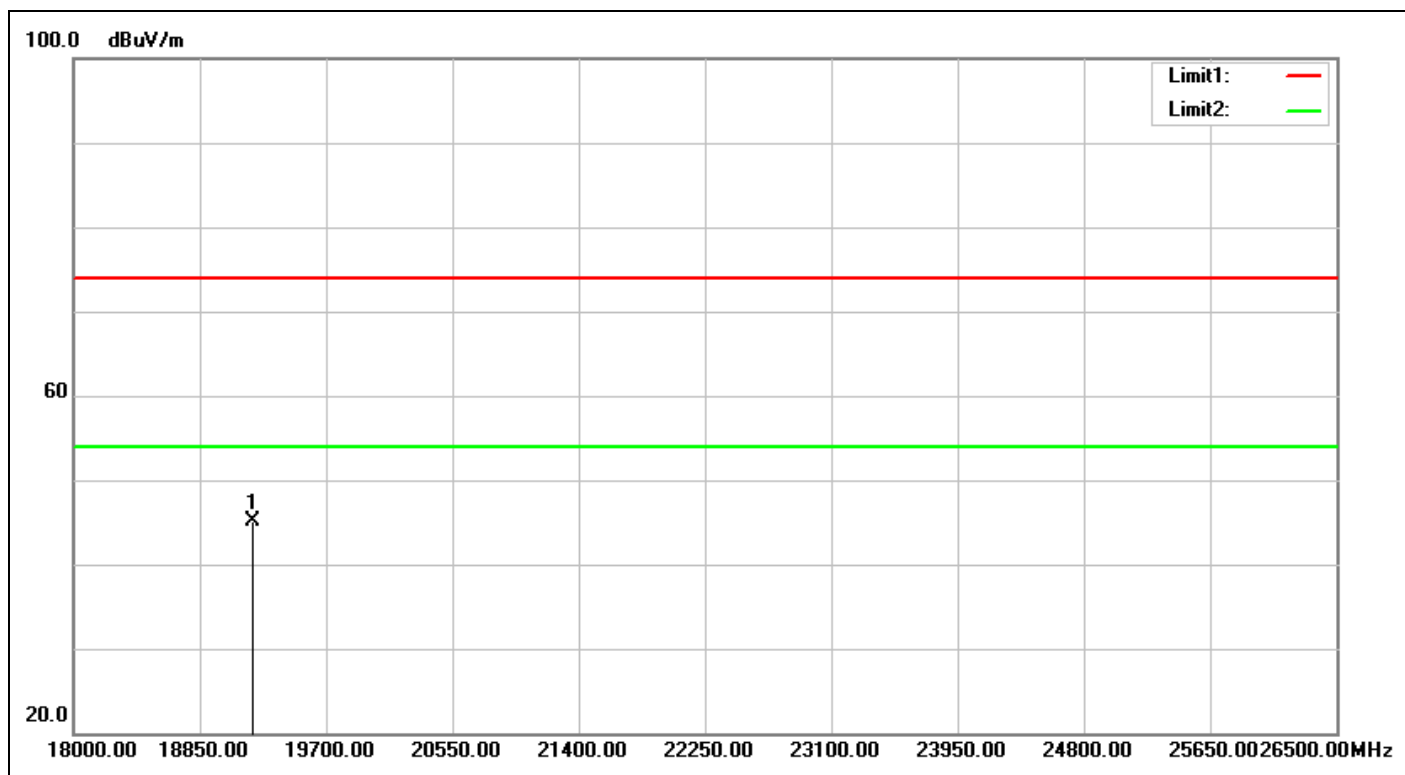
Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:29:53
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24213.500	5.34	40.86	46.20	74.00	-27.80	peak	100	360	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:31:07
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20227.000	4.23	41.25	45.48	74.00	-28.52	peak	100	355	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:32:00
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462-Setting 0 (Max Power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19207.000	4.17	40.94	45.11	74.00	-28.89	peak	100	186	

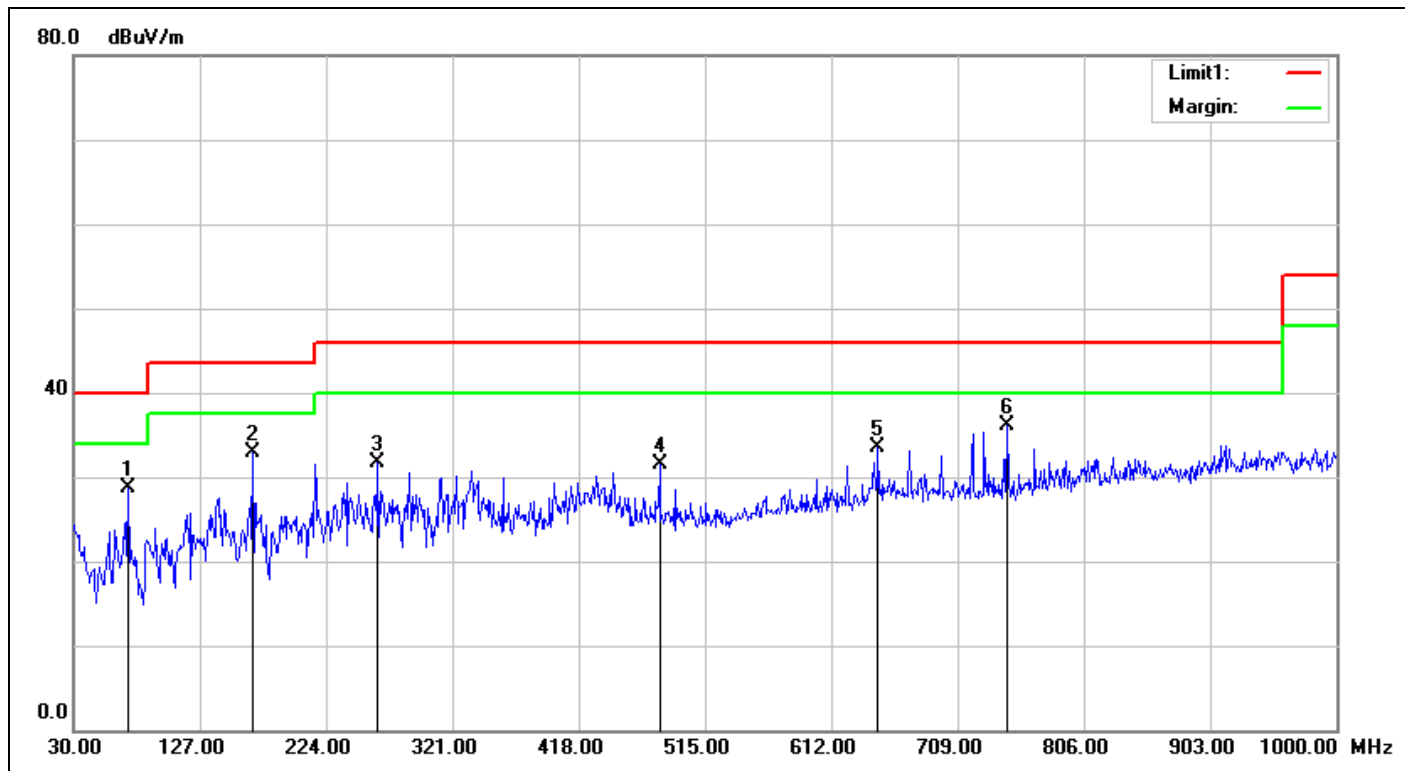
Spurious Emissions, TX Mode, 30M-1G



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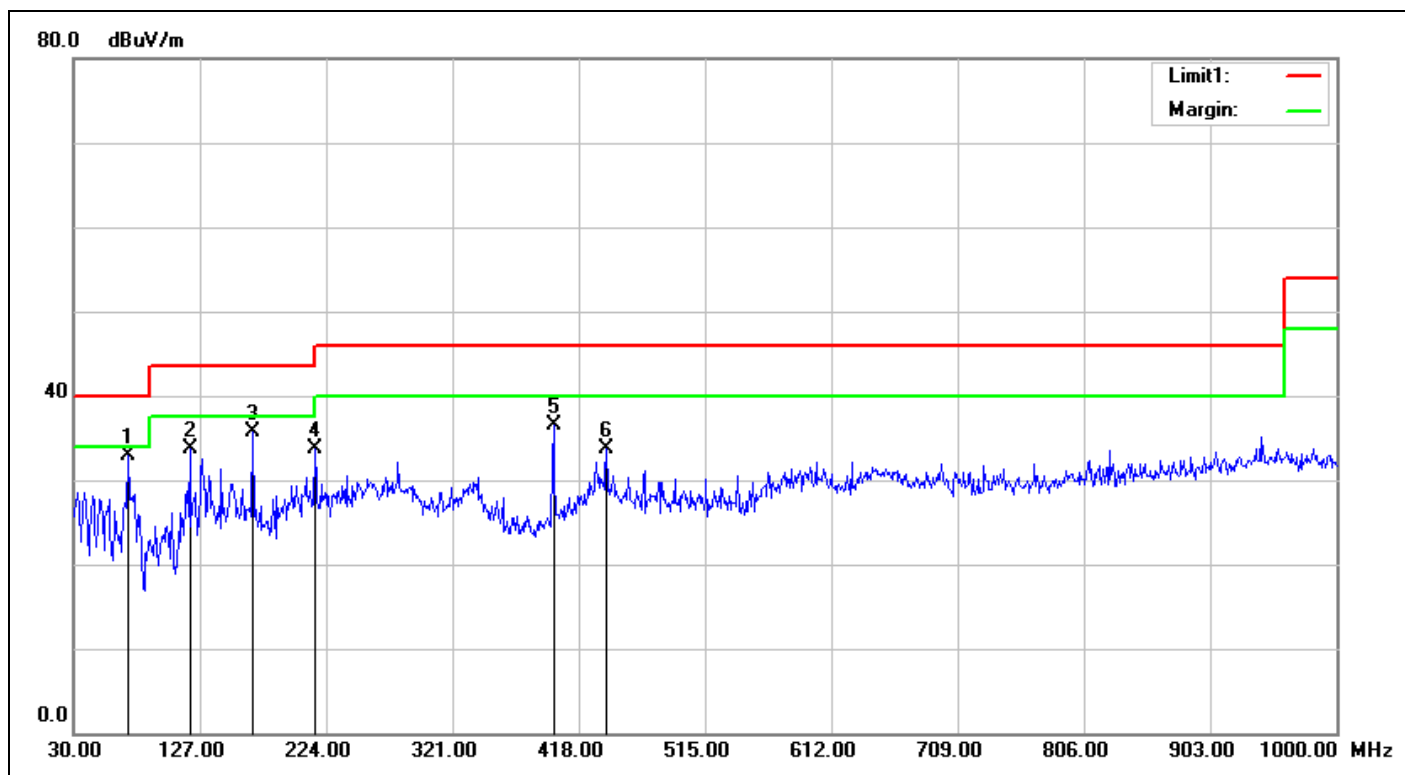
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 22:01:43
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437- Setting 0 (Max power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	71.7099	-12.89	41.53	28.64	40.00	-11.36	QP	100	220	
2	167.7400	-8.62	41.61	32.99	43.50	-10.51	QP	100	233	
3	263.7699	-5.12	36.86	31.74	46.00	-14.26	QP	100	101	
4	480.0799	-1.50	32.92	31.42	46.00	-14.58	QP	100	167	
5	647.8899	0.58	32.89	33.47	46.00	-12.53	QP	100	124	
6	746.8300	2.33	33.85	36.18	46.00	-9.82	QP	100	239	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 22:02:36
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437- Setting 0 (Max power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	71.7100	-12.89	45.83	32.94	40.00	-7.06	QP	100	153	
2	119.2400	-7.51	41.23	33.72	43.50	-9.78	QP	100	134	
3	167.7400	-8.62	44.42	35.80	43.50	-7.70	QP	100	193	
4	215.2700	-8.45	42.17	33.72	43.50	-9.78	QP	100	114	
5	398.6000	-2.42	38.94	36.52	46.00	-9.48	QP	100	327	
6	439.3400	-2.14	35.79	33.65	46.00	-12.35	QP	100	199	

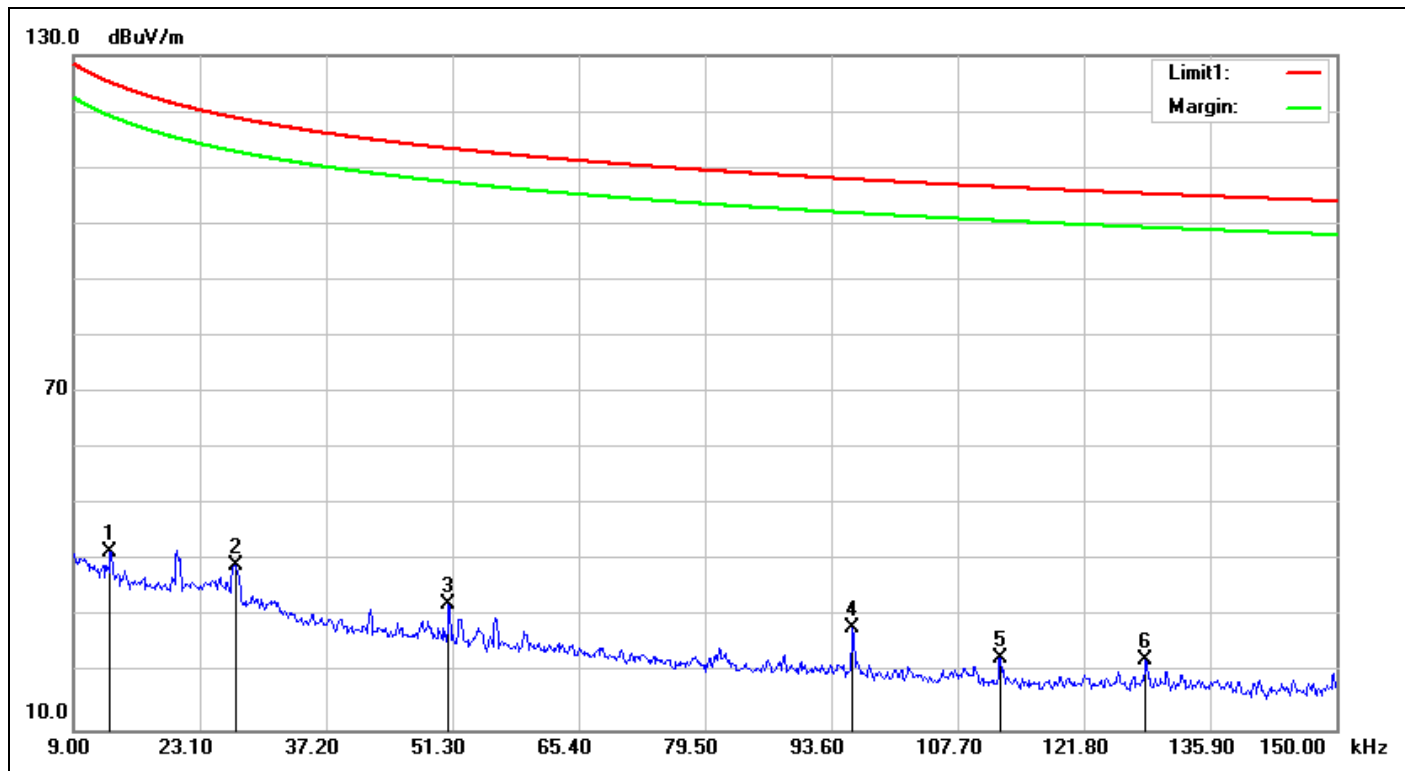
Spurious Emissions, TX Mode, 9K-30M



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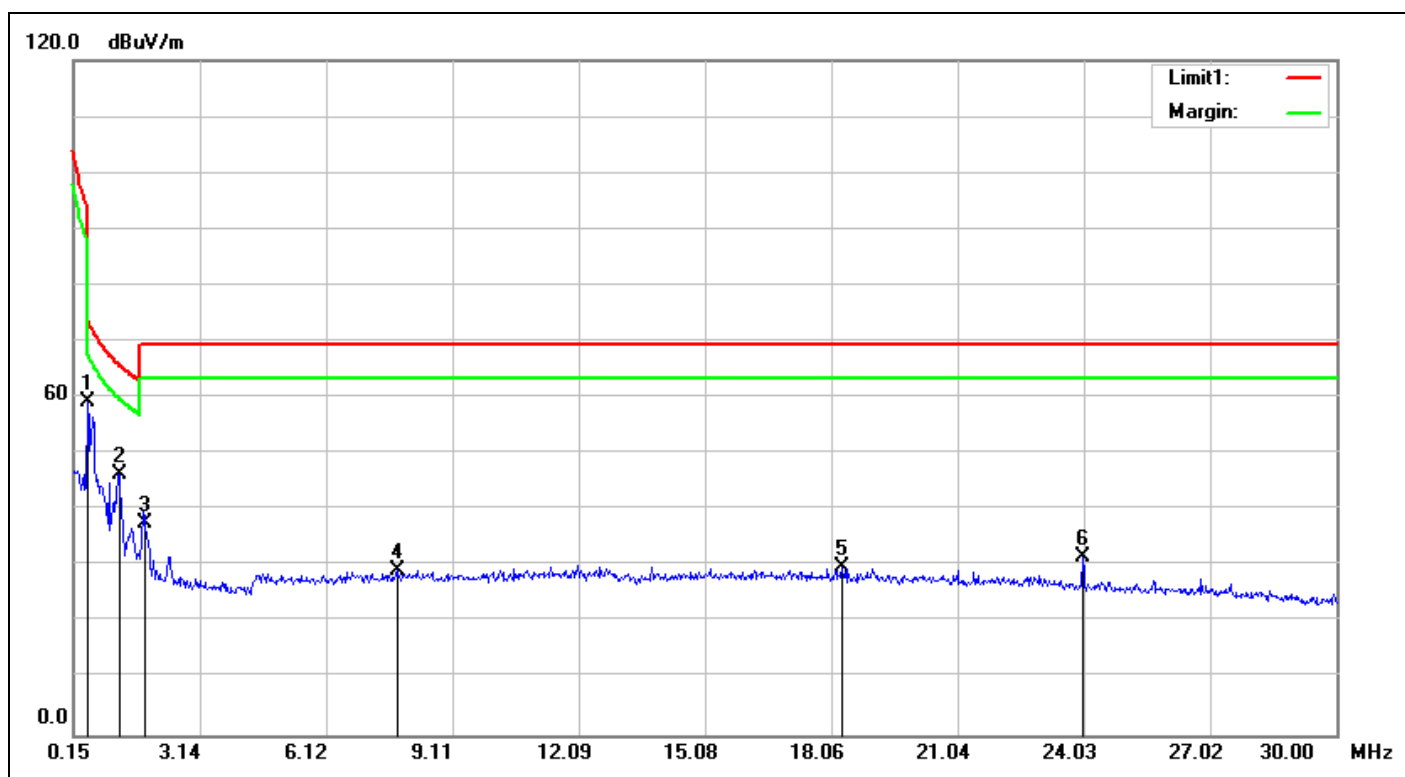
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/6 21:47:34
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0131	18.64	23.04	41.68	125.15	-83.47	QP	100	360	
2	0.0270	19.20	20.01	39.21	118.89	-79.68	QP	100	173	
3	0.0509	18.91	13.36	32.27	113.40	-81.13	QP	100	302	
4	0.0960	18.38	9.66	28.04	107.91	-79.87	QP	100	32	
5	0.1125	18.34	4.41	22.75	106.54	-83.79	QP	100	186	
6	0.1287	18.34	4.04	22.38	105.37	-82.99	QP	100	73	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/6 21:49:00
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437-Setting 0 (Max power setting)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.4783	18.63	40.65	59.28	94.01	-34.73	QP	100	87	
2	1.2245	18.67	27.72	46.39	65.87	-19.48	QP	100	231	
3	1.8515	18.61	18.92	37.53	69.50	-31.97	QP	100	145	
4	7.7916	20.01	9.36	29.37	69.50	-40.13	QP	100	241	
5	18.2988	21.40	8.32	29.72	69.50	-39.78	QP	100	15	
6	24.0002	21.75	10.04	31.79	69.50	-37.71	QP	100	347	

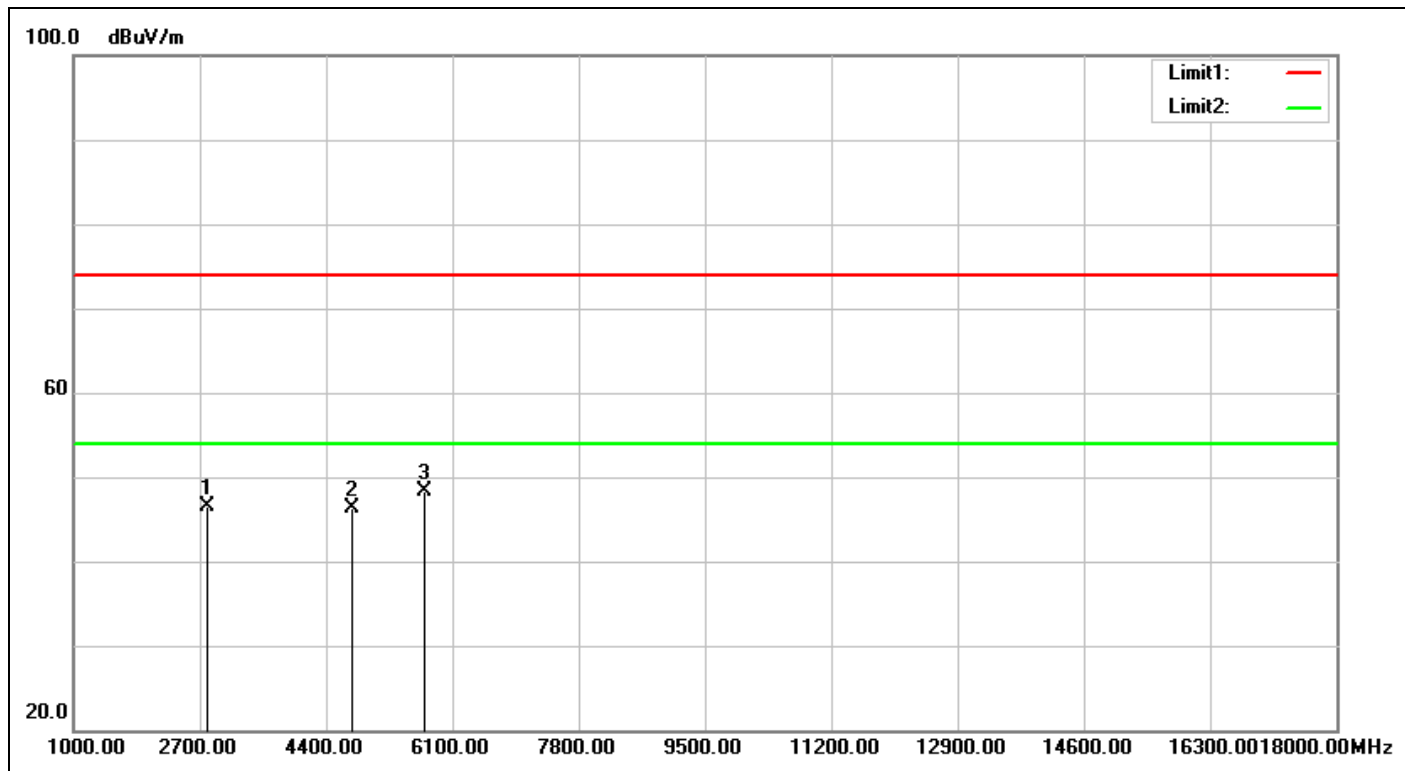
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

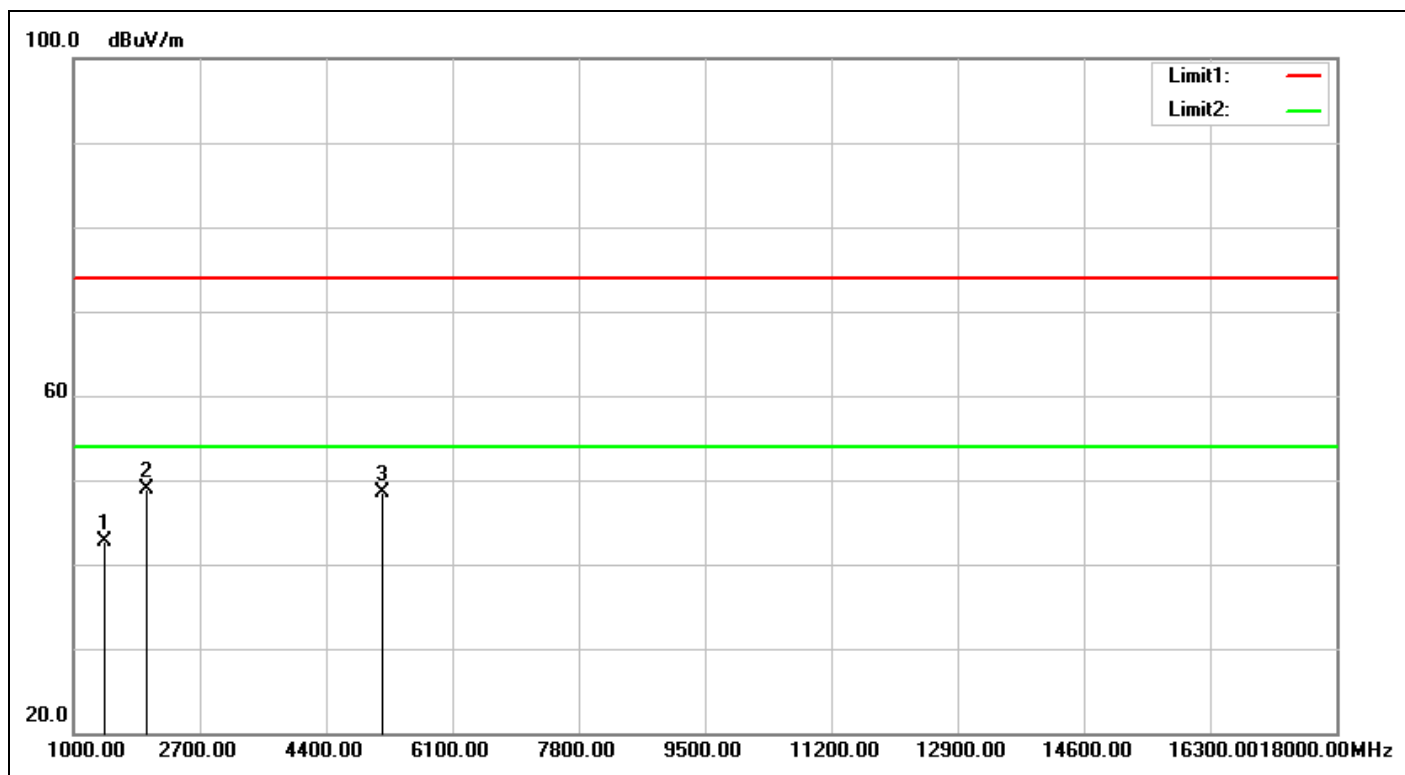
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:04:55
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2802.000	-6.77	53.21	46.44	74.00	-27.56	peak	100	325	
2	4740.000	-2.82	49.19	46.37	74.00	-27.63	peak	100	92	
3	5726.000	1.61	46.68	48.29	74.00	-25.71	peak	100	345	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:05:47
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1425.000	-10.40	53.07	42.67	74.00	-31.33	peak	100	186	
2	1986.000	-7.28	56.25	48.97	74.00	-25.03	peak	100	148	
3	5148.000	-1.43	50.00	48.57	74.00	-25.43	peak	100	316	

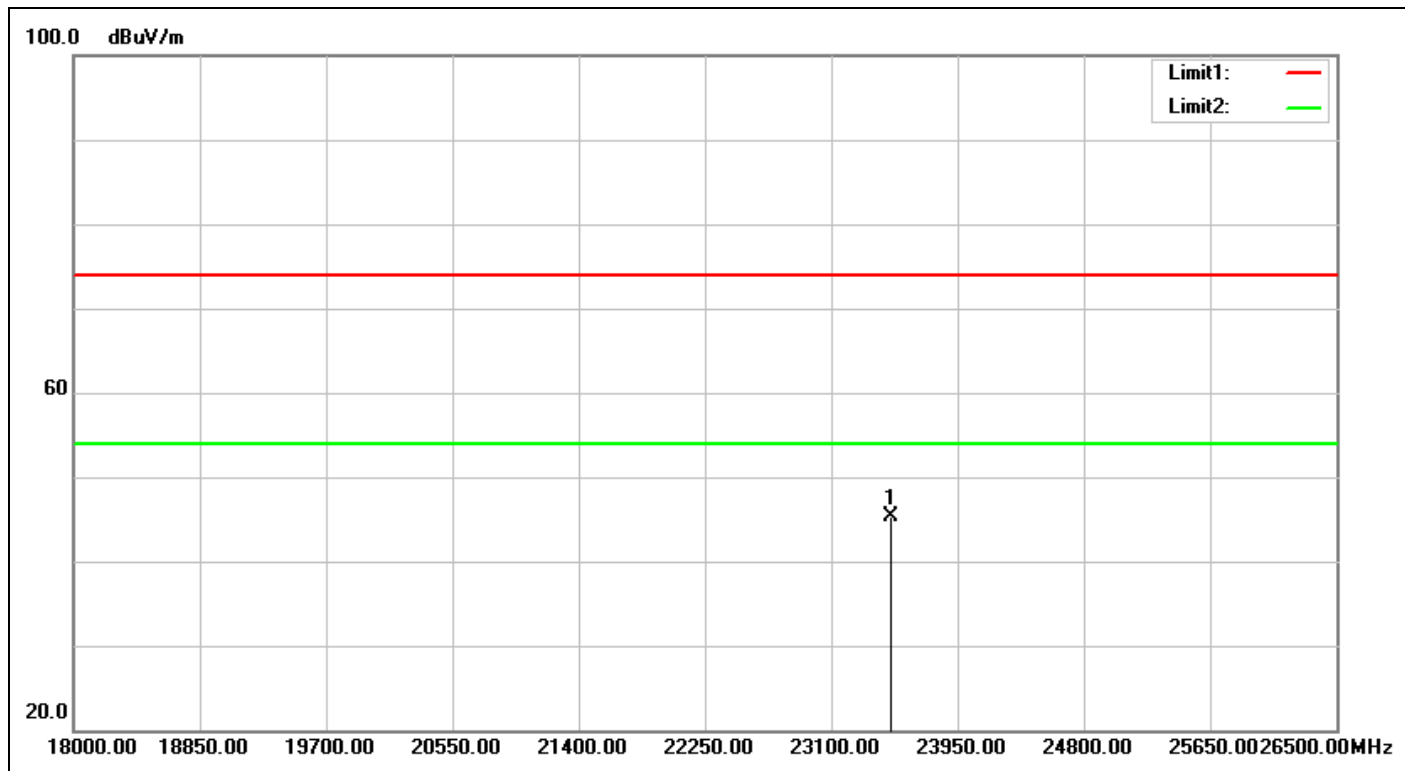
Spurious Emissions, RX Mode, 18-26G



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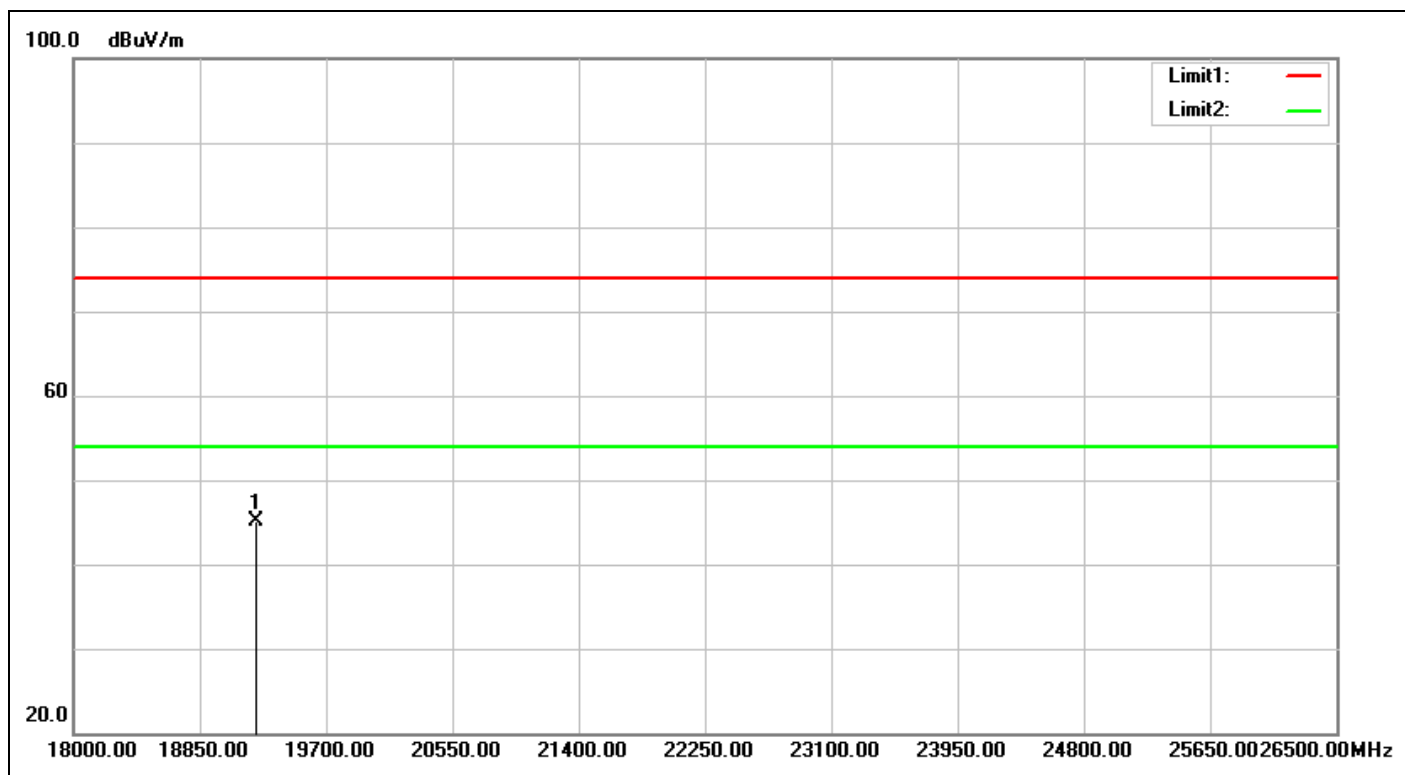
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 21:33:14
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23499.500	5.87	39.39	45.26	74.00	-28.74	peak	100	359	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 21:34:06
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19224.000	4.15	40.90	45.05	74.00	-28.95	peak	100	132	

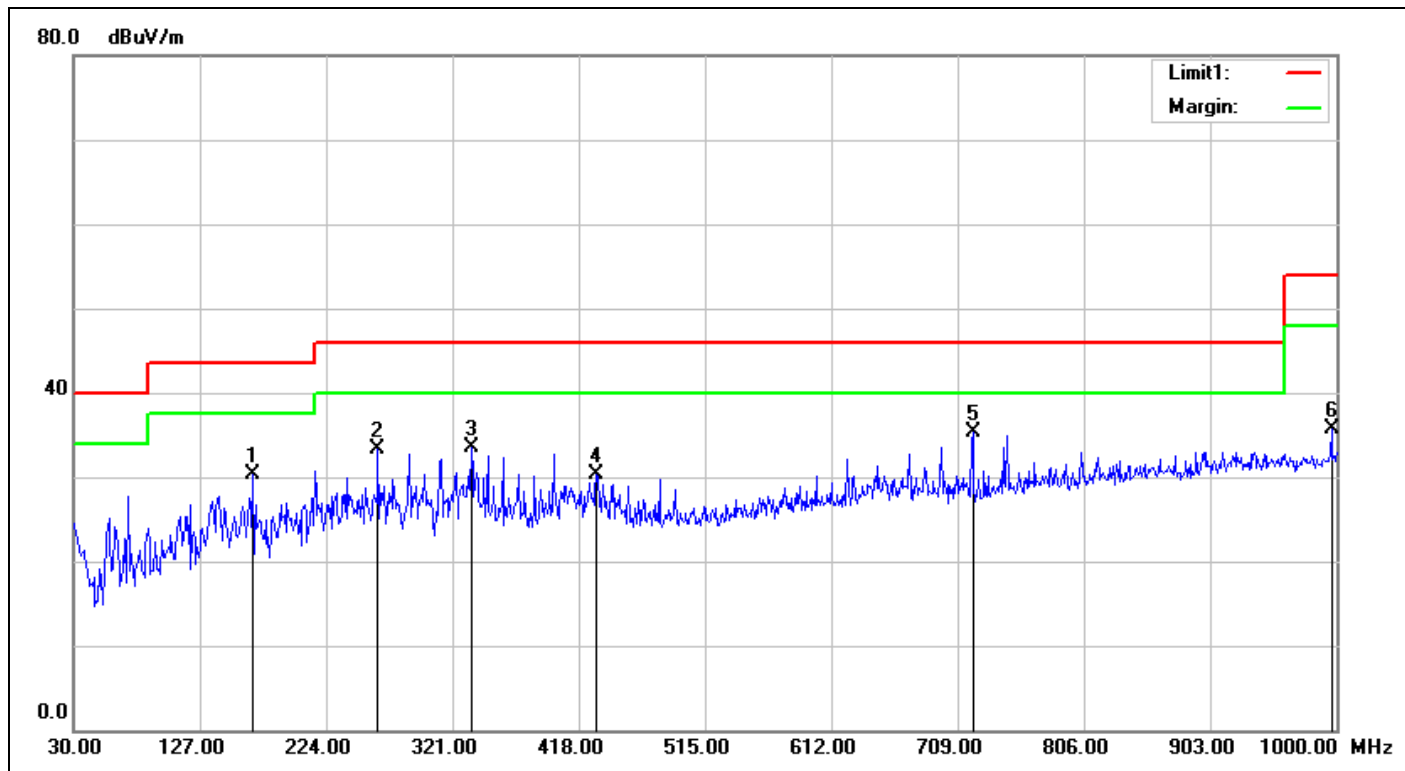
Spurious Emissions, RX Mode, 30M-1G



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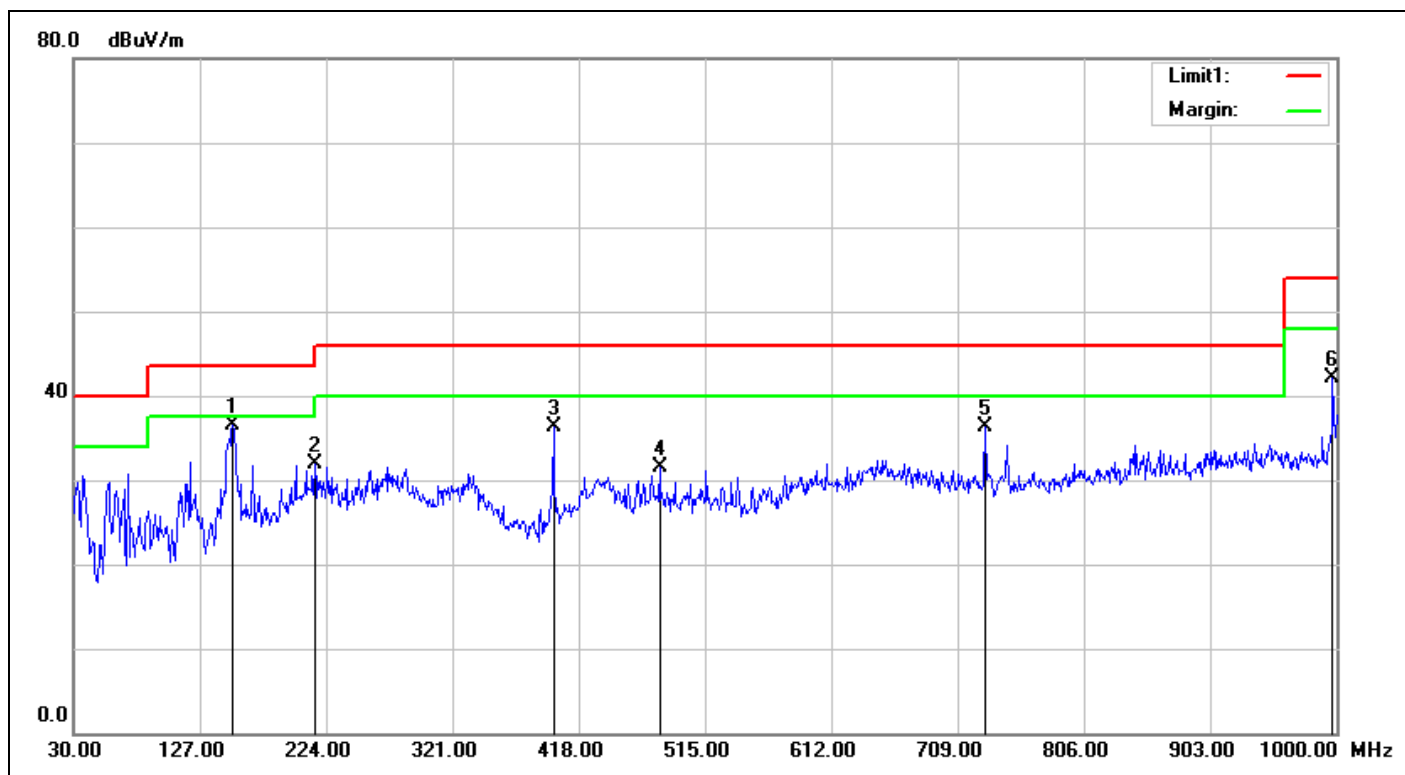
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 22:04:44
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	167.7400	-8.62	38.96	30.34	43.50	-13.16	QP	100	243	
2	263.7699	-5.12	38.43	33.31	46.00	-12.69	QP	100	94	
3	335.5500	-3.71	37.28	33.57	46.00	-12.43	QP	100	213	
4	431.5799	-2.18	32.55	30.37	46.00	-15.63	QP	100	203	
5	720.6399	1.85	33.39	35.24	46.00	-10.76	QP	100	117	
6	996.1200	6.09	29.61	35.70	54.00	-18.30	QP	100	256	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 22:05:37
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	152.2200	-7.41	43.93	36.52	43.50	-6.98	QP	100	272	
2	215.2700	-8.45	40.43	31.98	43.50	-11.52	QP	100	147	
3	398.6000	-2.42	38.75	36.33	46.00	-9.67	QP	100	131	
4	480.0800	-1.50	33.00	31.50	46.00	-14.50	QP	100	187	
5	730.3400	2.02	34.28	36.30	46.00	-9.70	QP	100	249	
6	997.0900	6.09	35.99	42.08	54.00	-11.92	QP	100	222	

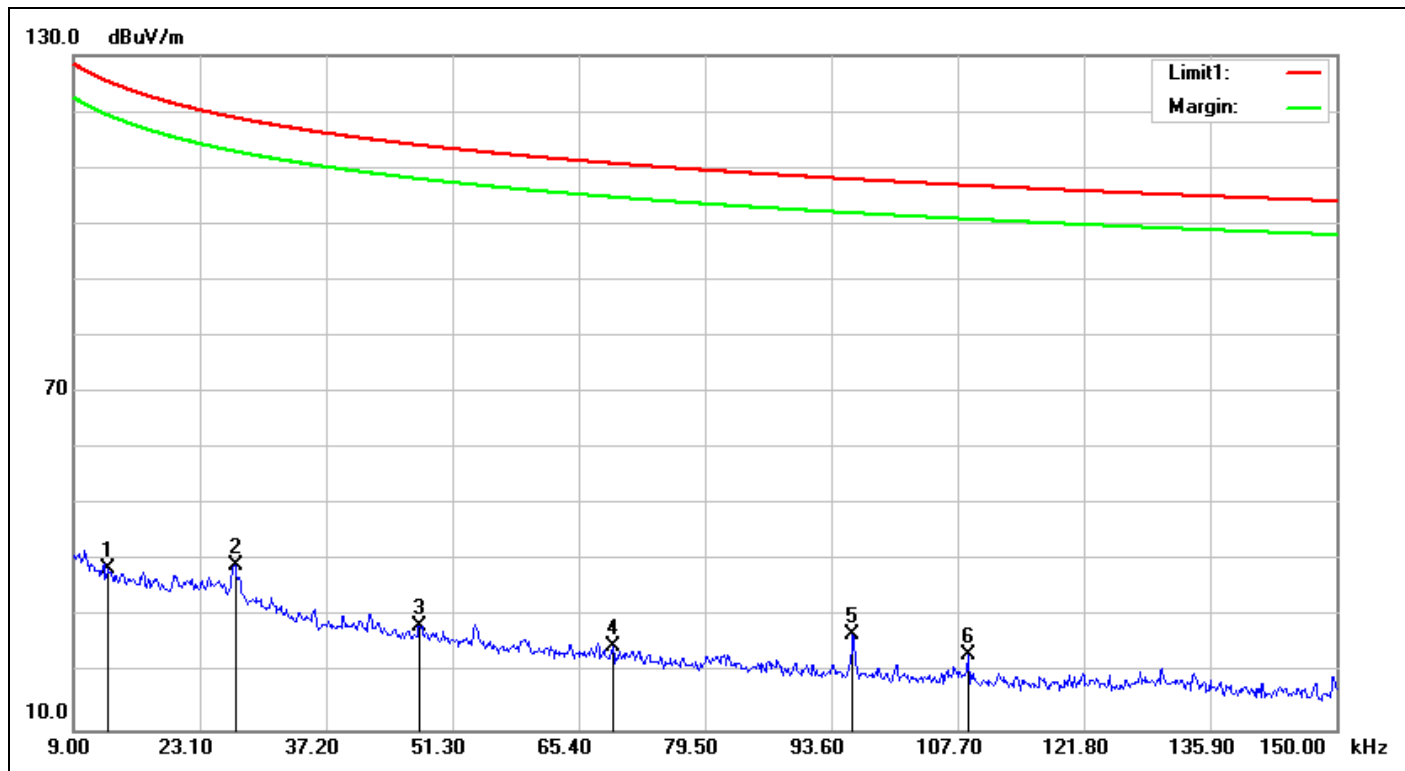
Spurious Emissions, RX Mode, 9K-30M



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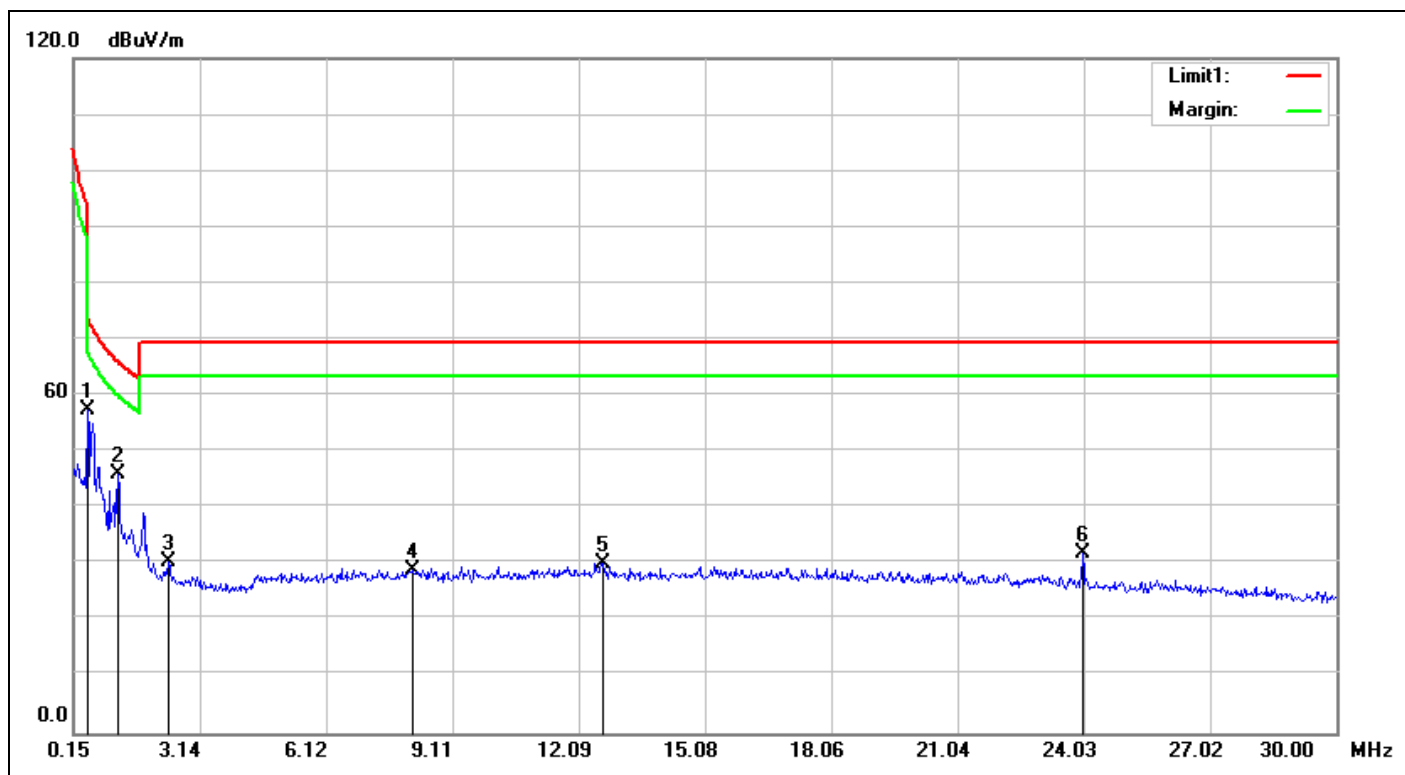
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/6 21:51:14
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0128	18.63	19.93	38.56	125.35	-86.79	QP	100	333	
2	0.0270	19.20	20.13	39.33	118.89	-79.56	QP	100	173	
3	0.0476	18.97	9.47	28.44	113.98	-85.54	QP	100	360	
4	0.0692	18.69	6.11	24.80	110.74	-85.94	QP	100	114	
5	0.0960	18.38	8.58	26.96	107.91	-80.95	QP	100	32	
6	0.1088	18.33	5.01	23.34	106.83	-83.49	QP	100	251	



Service No.:	114080733	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/6 21:52:32
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	21(°C)/57%
Model No.:	Kapture KA-WR1S	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.4783	18.63	38.77	57.40	94.01	-36.61	QP	100	87	
2	1.1947	18.66	27.41	46.07	66.08	-20.01	QP	100	128	
3	2.3887	18.57	11.76	30.33	69.50	-39.17	QP	100	248	
4	8.1797	20.08	8.87	28.95	69.50	-40.55	QP	100	90	
5	12.6571	20.75	9.52	30.27	69.50	-39.23	QP	100	210	
6	24.0002	21.75	10.32	32.07	69.50	-37.43	QP	100	347	

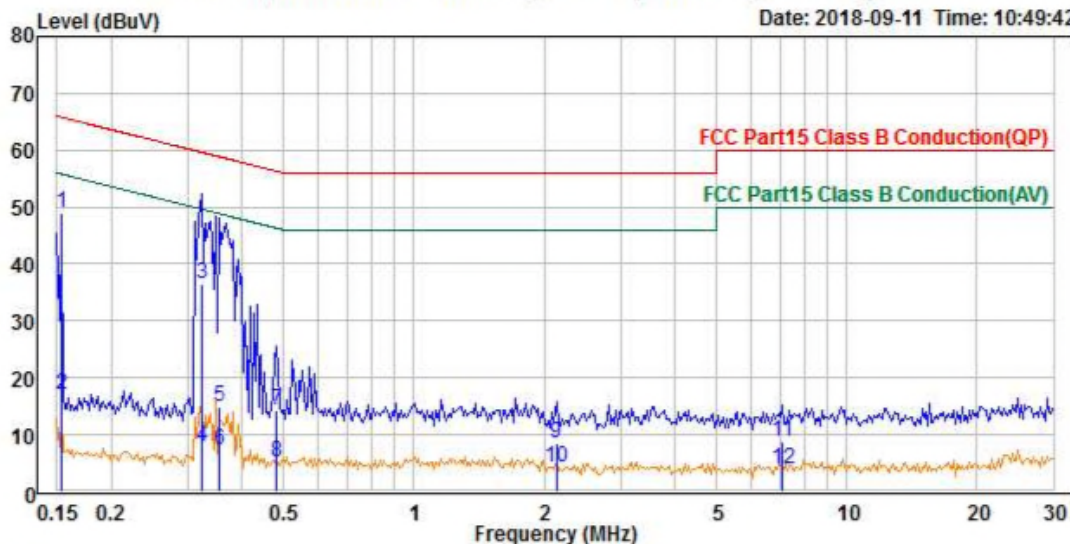
Spurious Emissions, Main



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Date: 2018-09-11 Time: 10:49:42



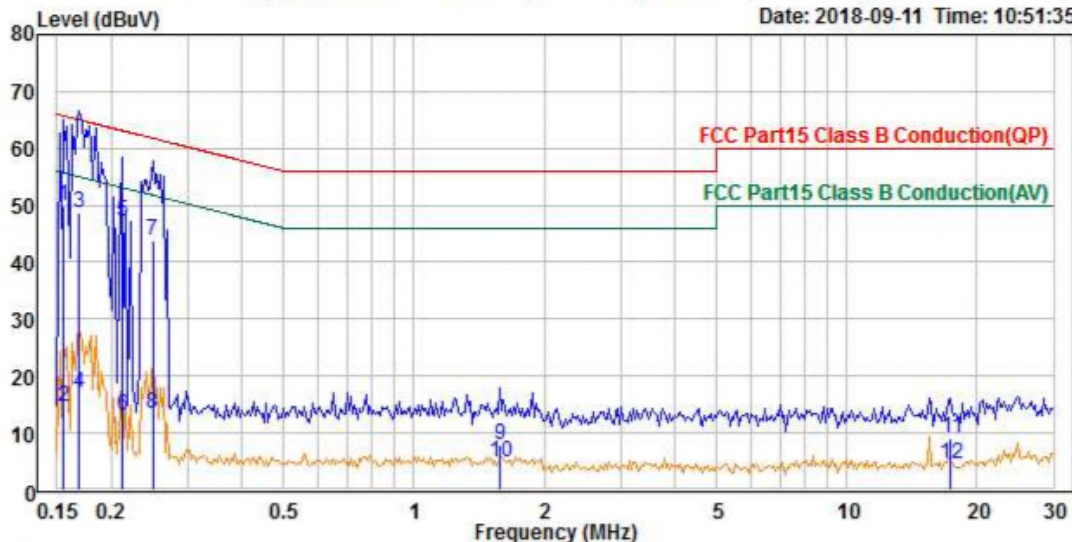
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Joe Tien
Applicant : Pamex
Product :
Model No. : Kapture KA-WR1S
Test Rating : 120Vac/60Hz
Tmp/Hum : 22.8 °C / 43 %
Memo : RFID tag +WIFI link

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	39.22	9.68	48.90	65.83	-16.93	QP
2	0.153	7.32	9.68	17.00	55.83	-38.83	Average
3	0.322	26.82	9.68	36.50	59.64	-23.14	QP
4	0.322	-1.62	9.68	8.06	49.64	-41.58	Average
5	0.356	5.15	9.69	14.84	58.82	-43.98	QP
6	0.356	-2.26	9.69	7.43	48.82	-41.39	Average
7	0.480	4.47	9.69	14.16	56.34	-42.18	QP
8	0.480	-4.46	9.69	5.23	46.34	-41.11	Average
9	2.132	-1.10	9.72	8.62	56.00	-47.38	QP
10	2.132	-5.60	9.72	4.12	46.00	-41.88	Average
11	7.098	-1.00	9.79	8.79	60.00	-51.21	QP
12	7.098	-5.69	9.79	4.10	50.00	-45.90	Average

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Date: 2018-09-11 Time: 10:51:35



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Joe Tien
Applicant : Pamex
Product :
Model No. : Kapture KA-WR1S
Test Rating : 120Vac/60Hz
Tmp/Hum : 22.8 °C / 43 %
Memo : RFID tag +WIFI link

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	40.25	9.68	49.93	65.75	-15.82	QP
2	0.155	4.90	9.68	14.58	55.75	-41.17	Average
3	0.169	39.08	9.68	48.76	65.01	-16.25	QP
4	0.169	7.38	9.68	17.06	55.01	-37.95	Average
5	0.212	37.33	9.68	47.01	63.11	-16.10	QP
6	0.212	3.30	9.68	12.98	53.11	-40.13	Average
7	0.249	34.22	9.68	43.90	61.79	-17.89	QP
8	0.249	3.74	9.68	13.42	51.79	-38.37	Average
9	1.582	-1.78	9.72	7.94	56.00	-48.06	QP
10	1.582	-4.70	9.72	5.02	46.00	-40.98	Average
11	17.365	-0.69	9.89	9.20	60.00	-50.80	QP
12	17.365	-5.41	9.89	4.48	50.00	-45.52	Average