

Test Report No.50182194 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50182194 001AppendixD)

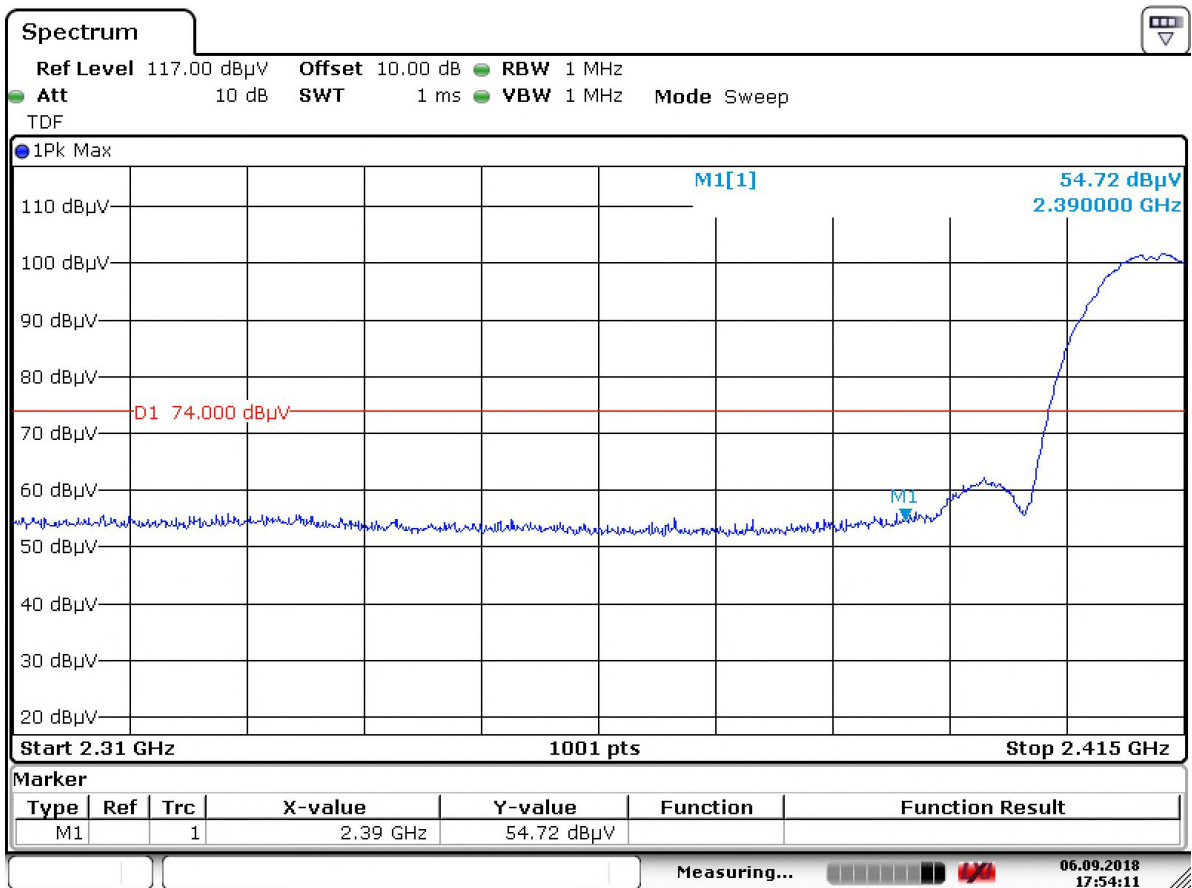
Contents

Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G.....	14
Spurious Emissions, TX Mode, 18-26G.....	32
Spurious Emissions, TX Mode, 30M-1G	50
Spurious Emissions, TX Mode, 9K-30M	52
Spurious Emissions, RX Mode, 1-18G	54
Spurious Emissions, RX Mode, 18-26G	56
Spurious Emissions, RX Mode, 30M-1G.....	58
Spurious Emissions, RX Mode, 9K-30M.....	60
Spurious Emissions, Main	62

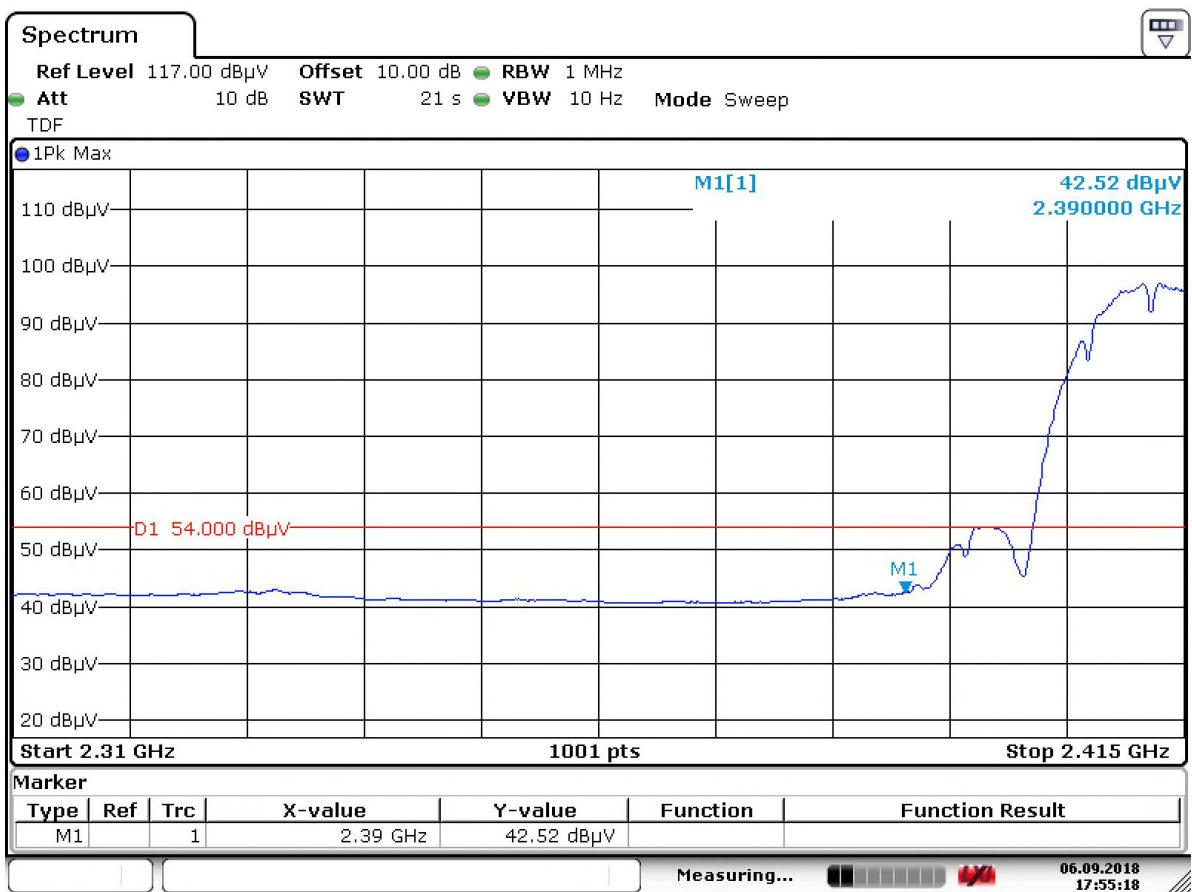
Spurious Emissions, Band Edges, 2.35-2.5G

802.11B

Low Channel (Horizontal)

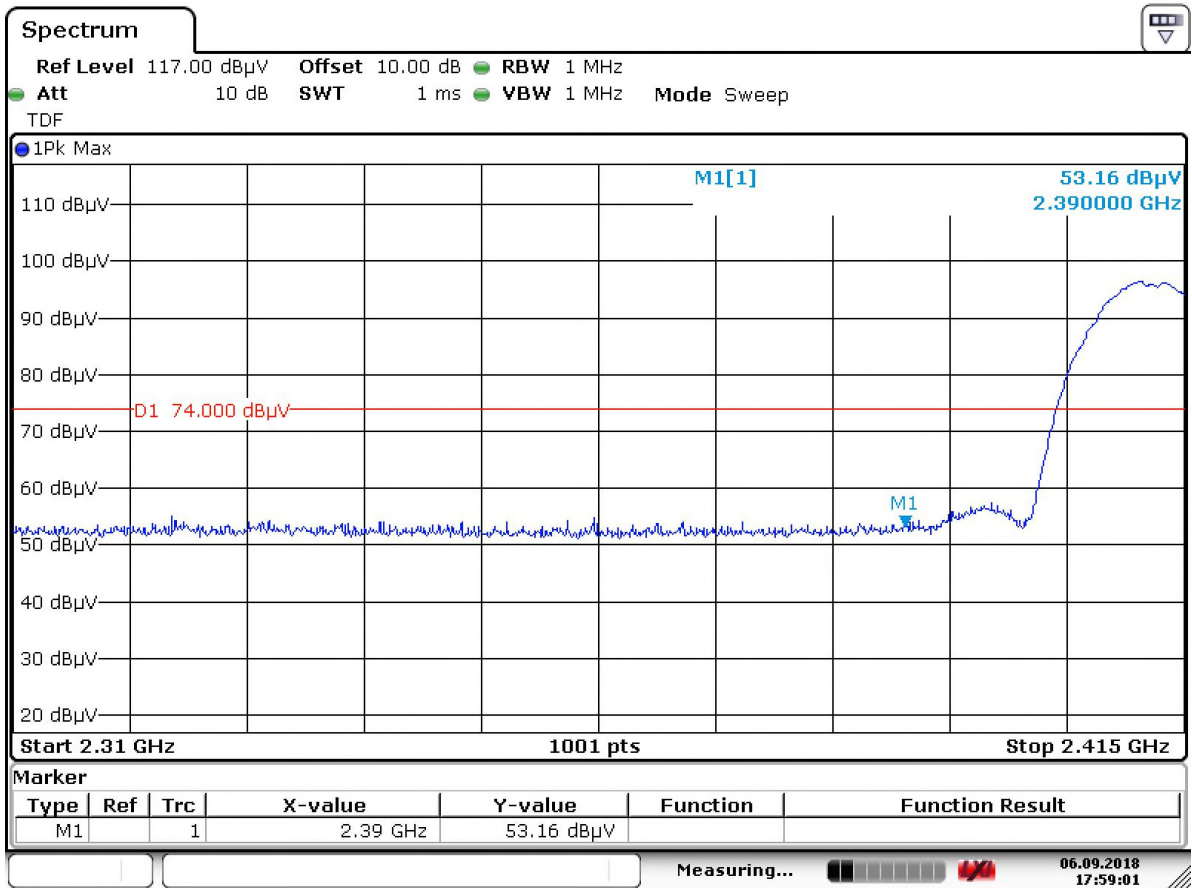


Date: 6.SEP.2018 17:54:11

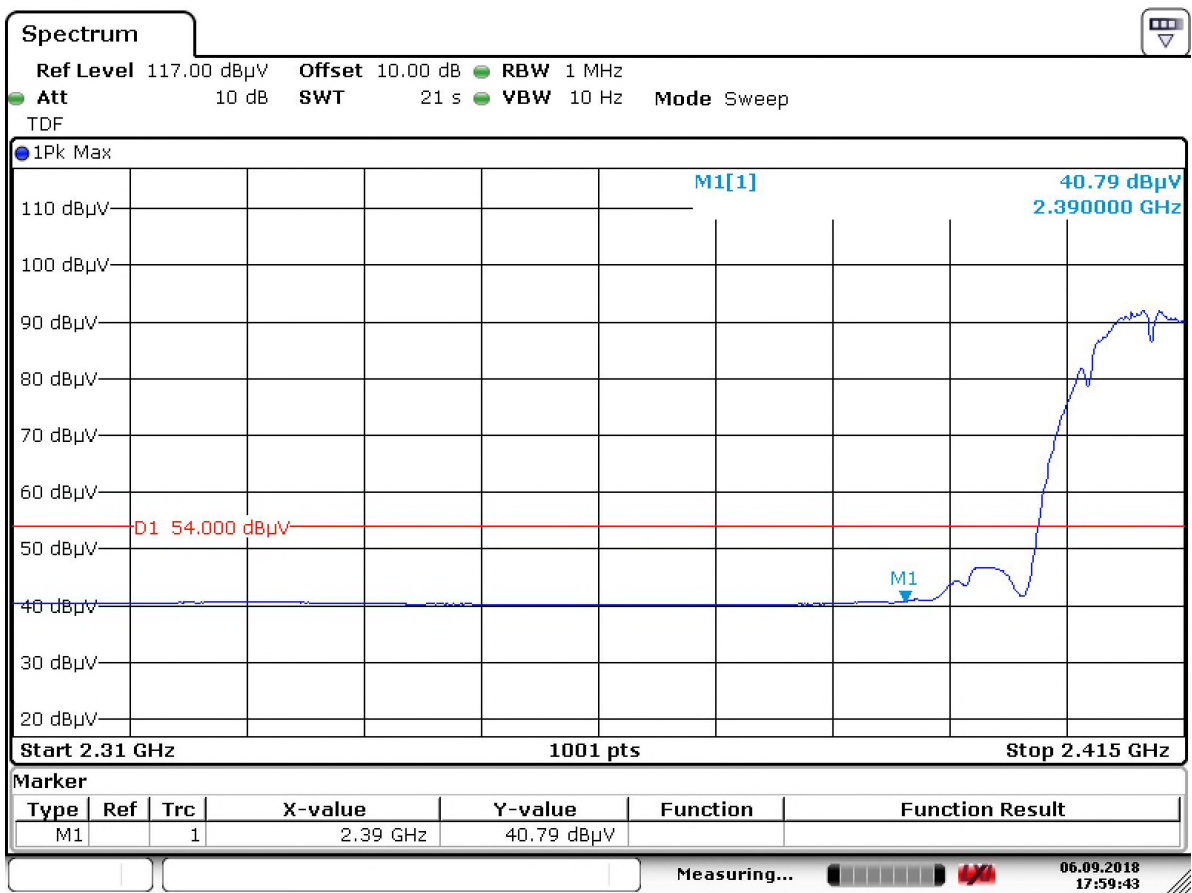


Date: 6.SEP.2018 17:55:18

Low Channel (Vertical)

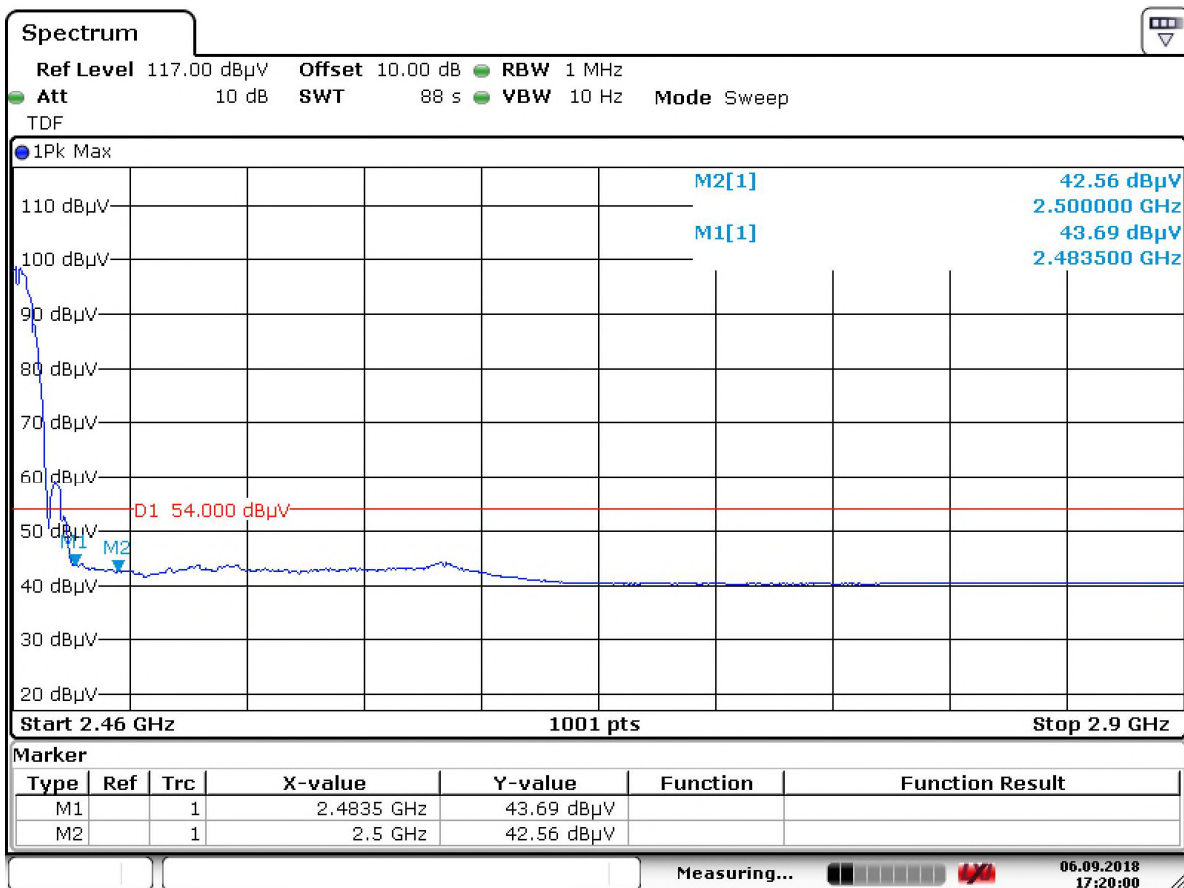


Date: 6.SEP.2018 17:59:01

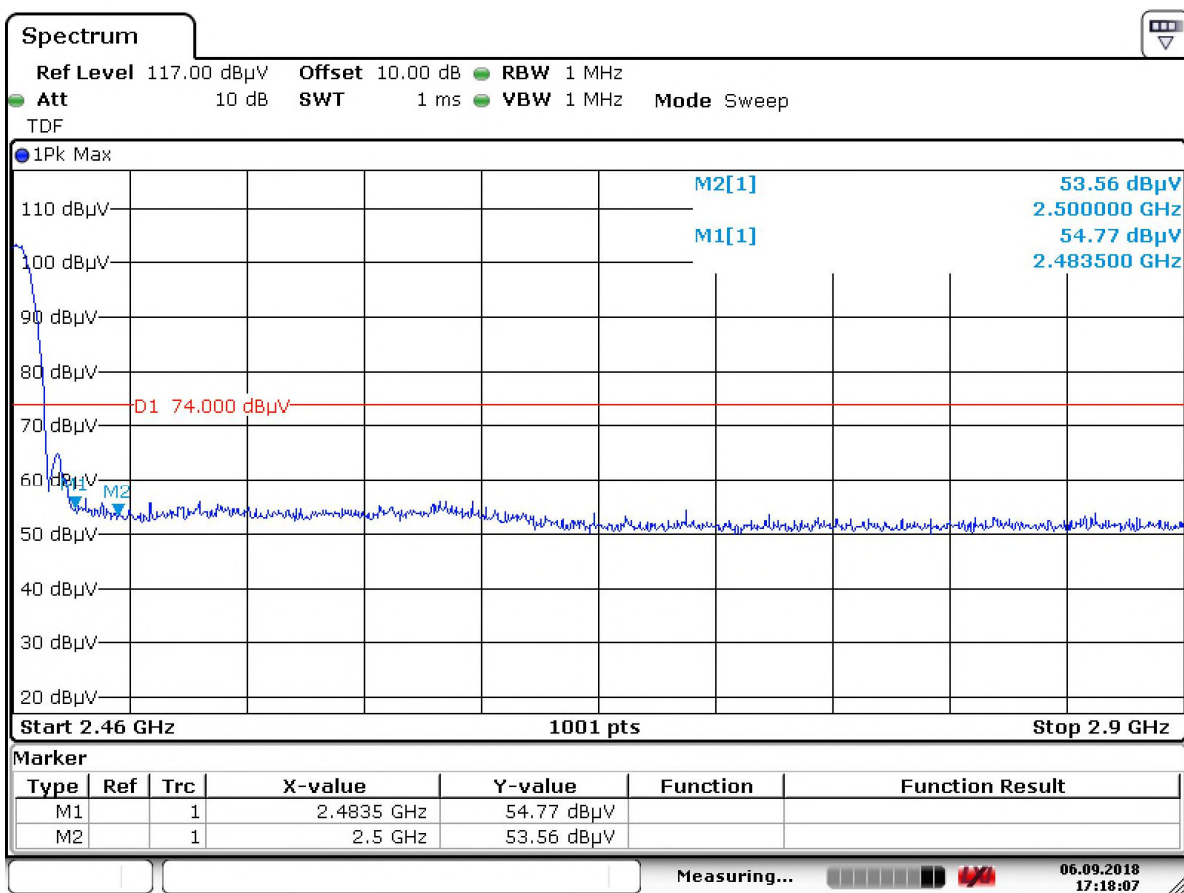


Date: 6.SEP.2018 17:59:44

High Channel (Horizontal)

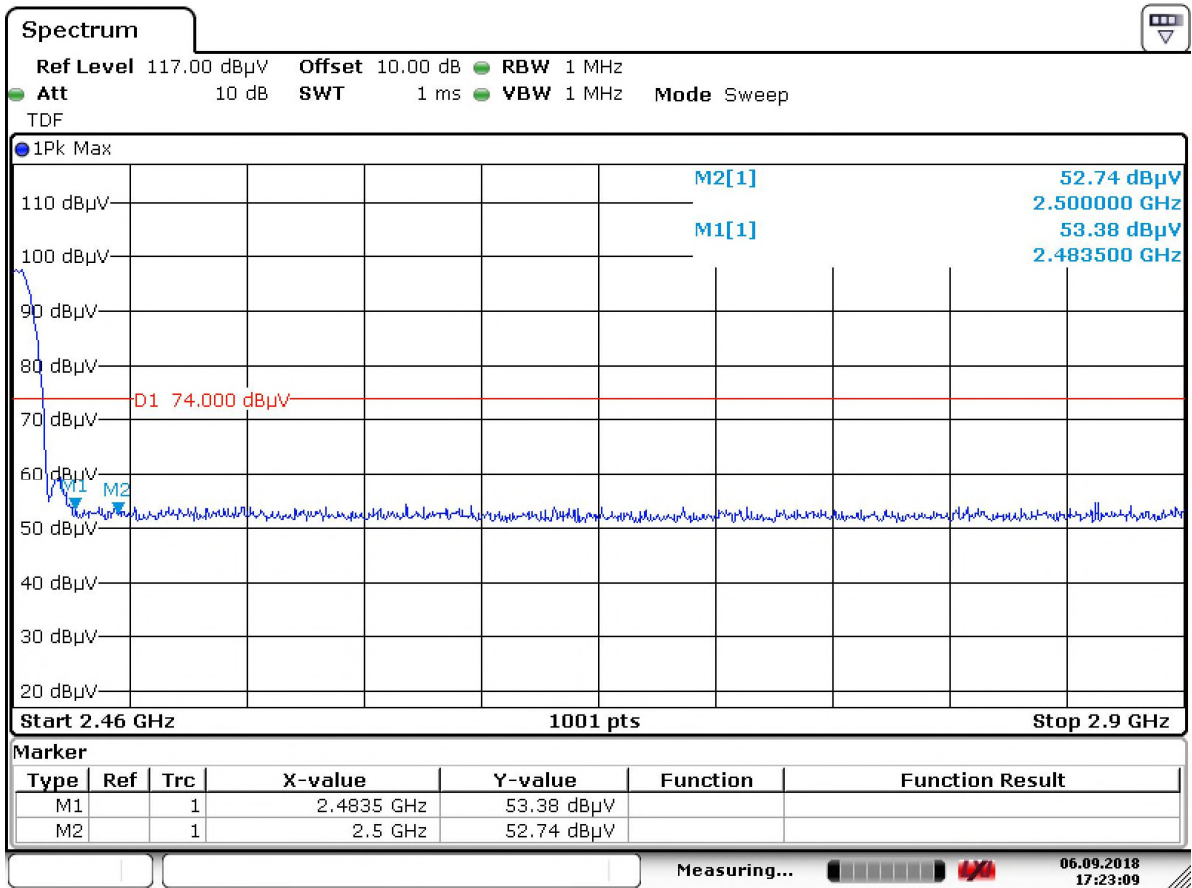


Date: 6.SEP.2018 17:20:00

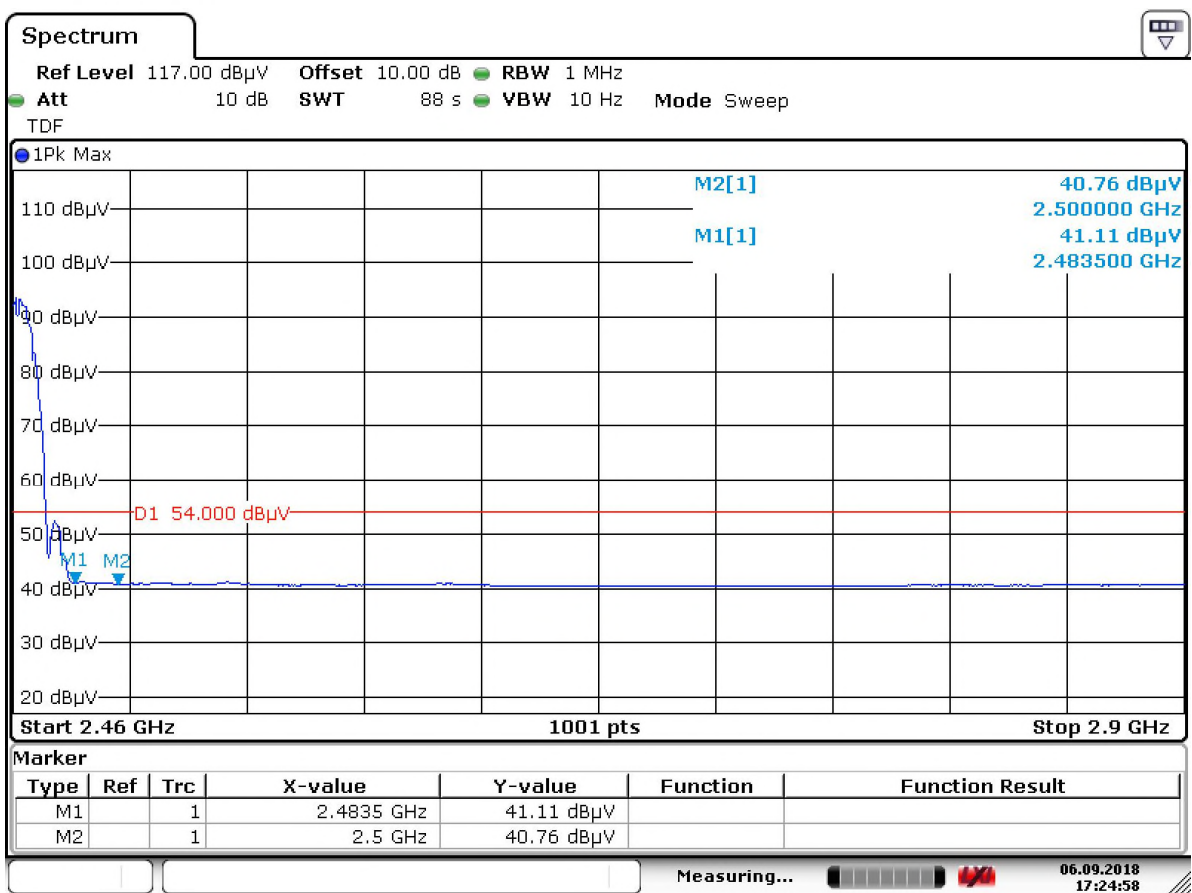


Date: 6.SEP.2018 17:18:08

High Channel (Vertical)



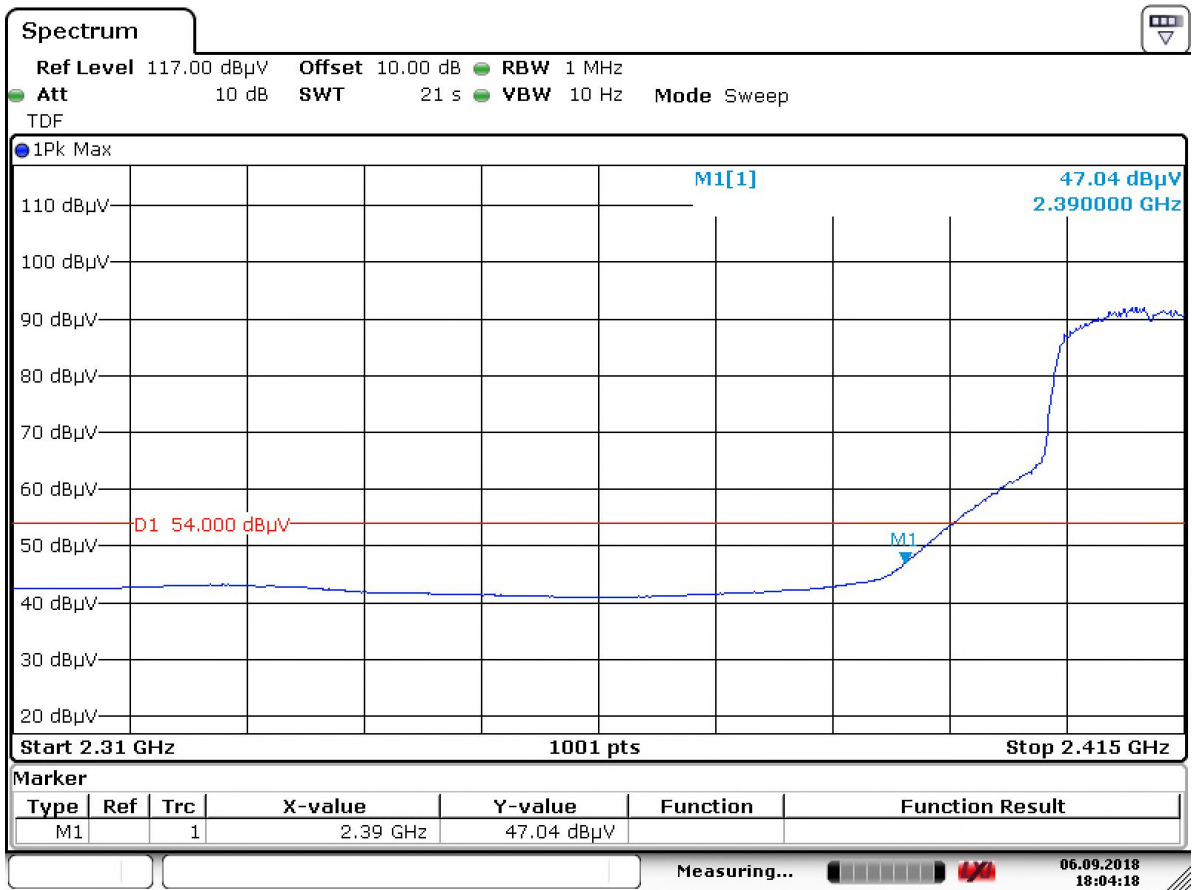
Date: 6.SEP.2018 17:23:09



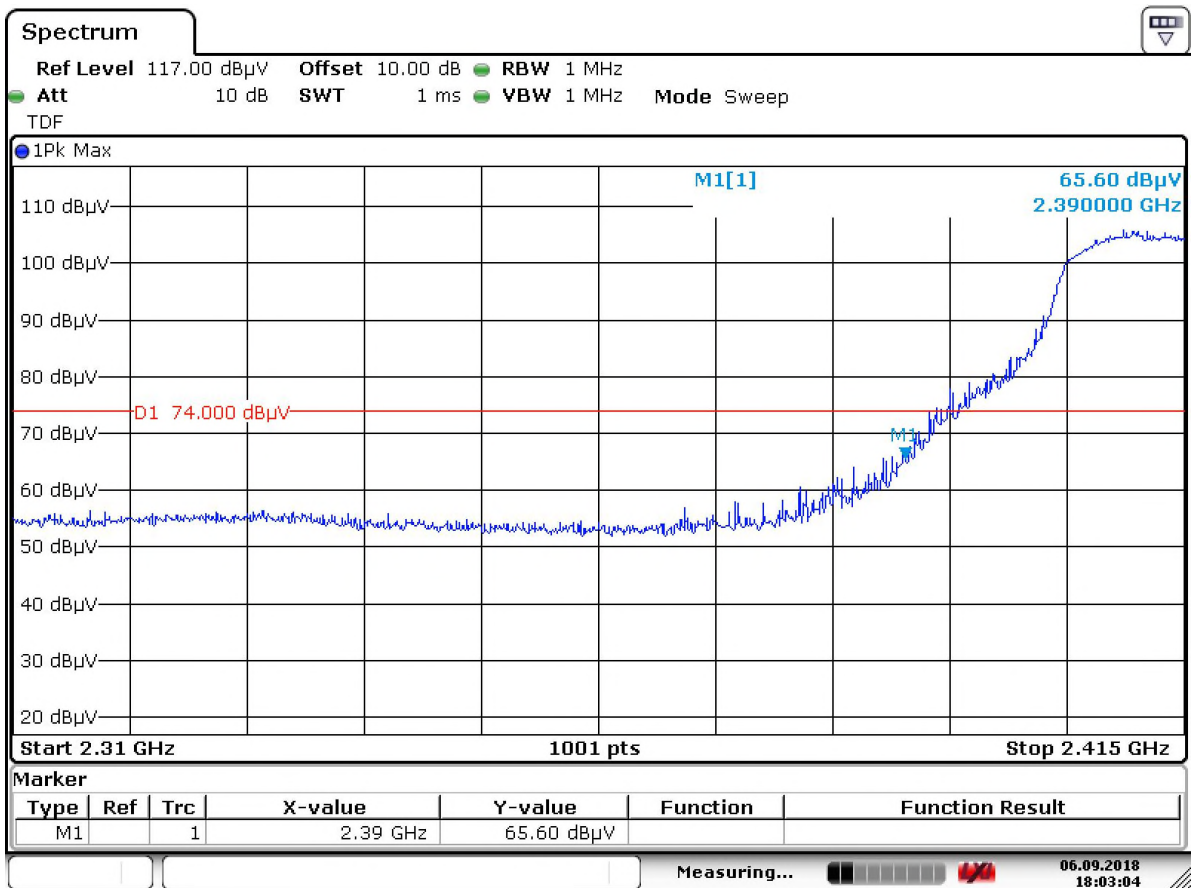
Date: 6.SEP.2018 17:24:58

802.11G

Low Channel (Horizontal)

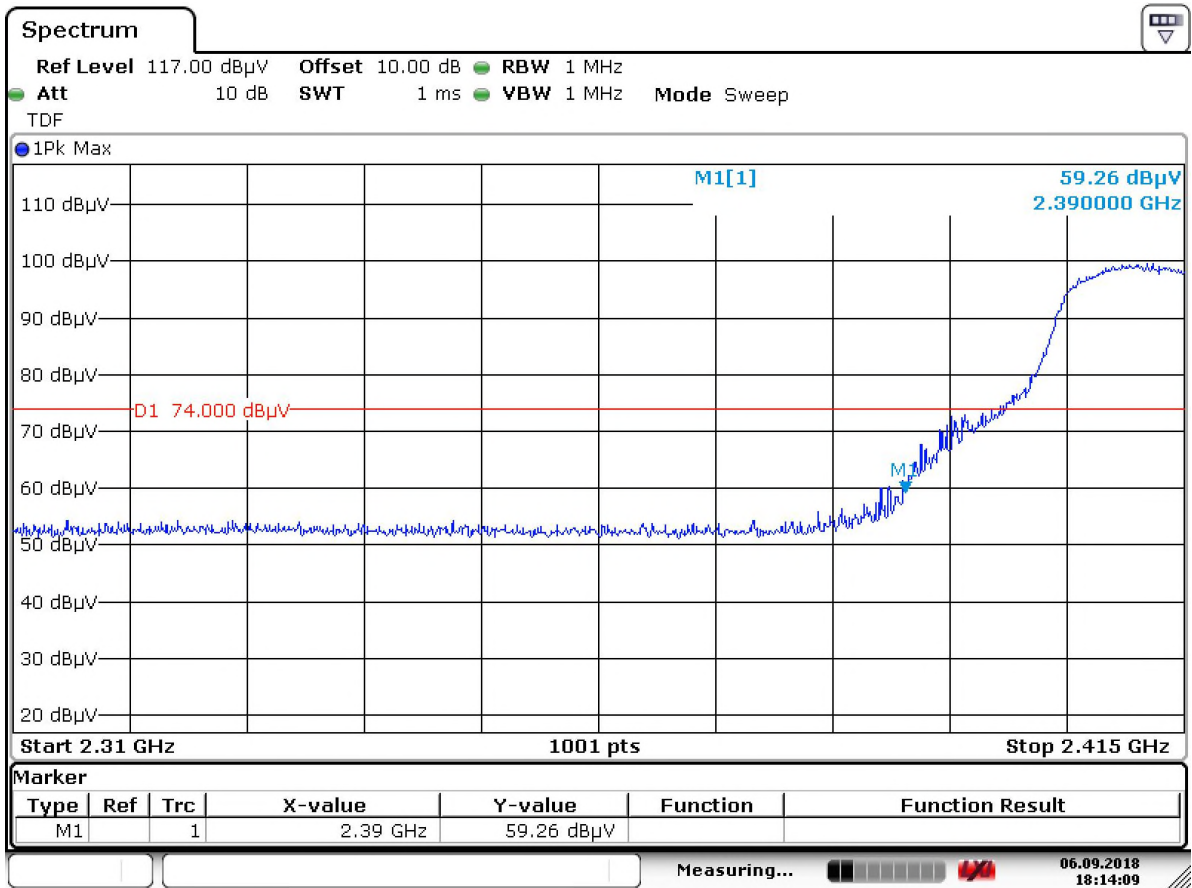


Date: 6.SEP.2018 18:04:19

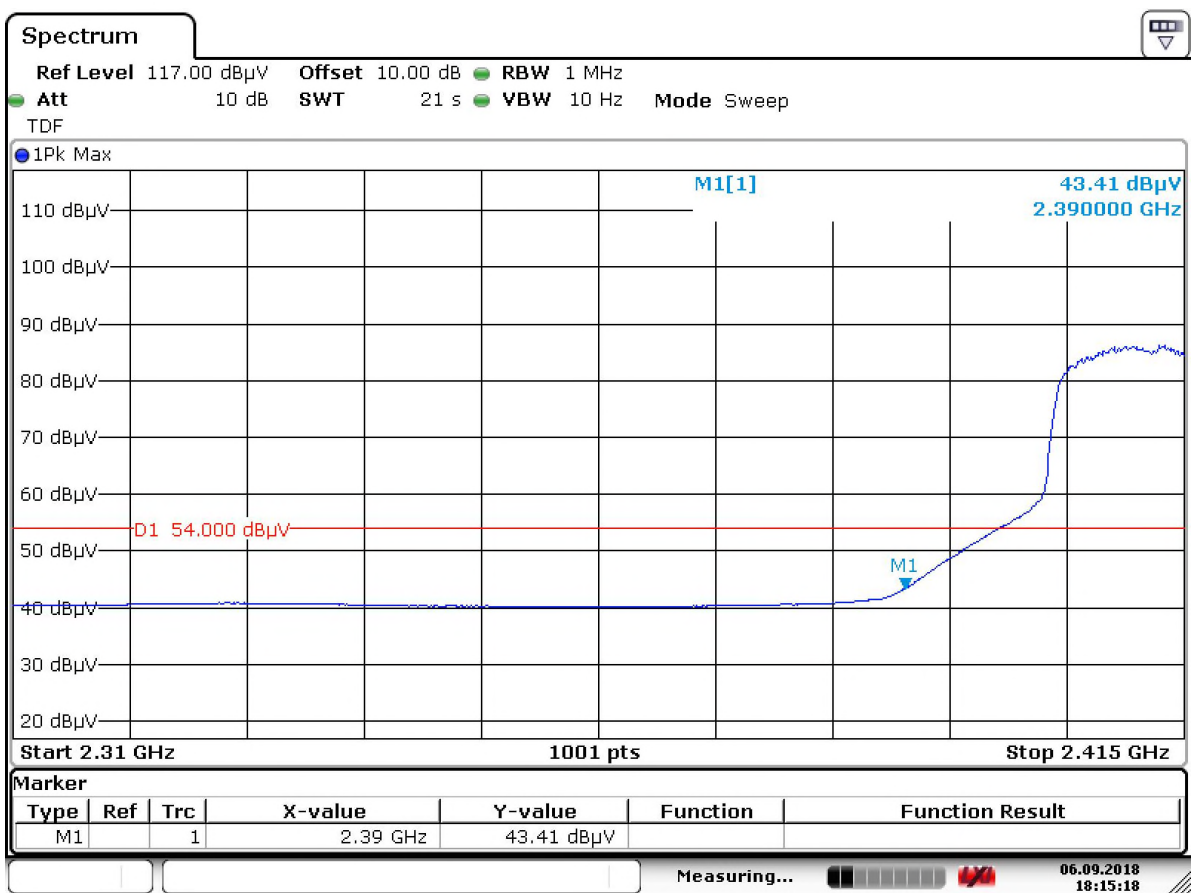


Date: 6.SEP.2018 18:03:04

Low Channel (Vertical)

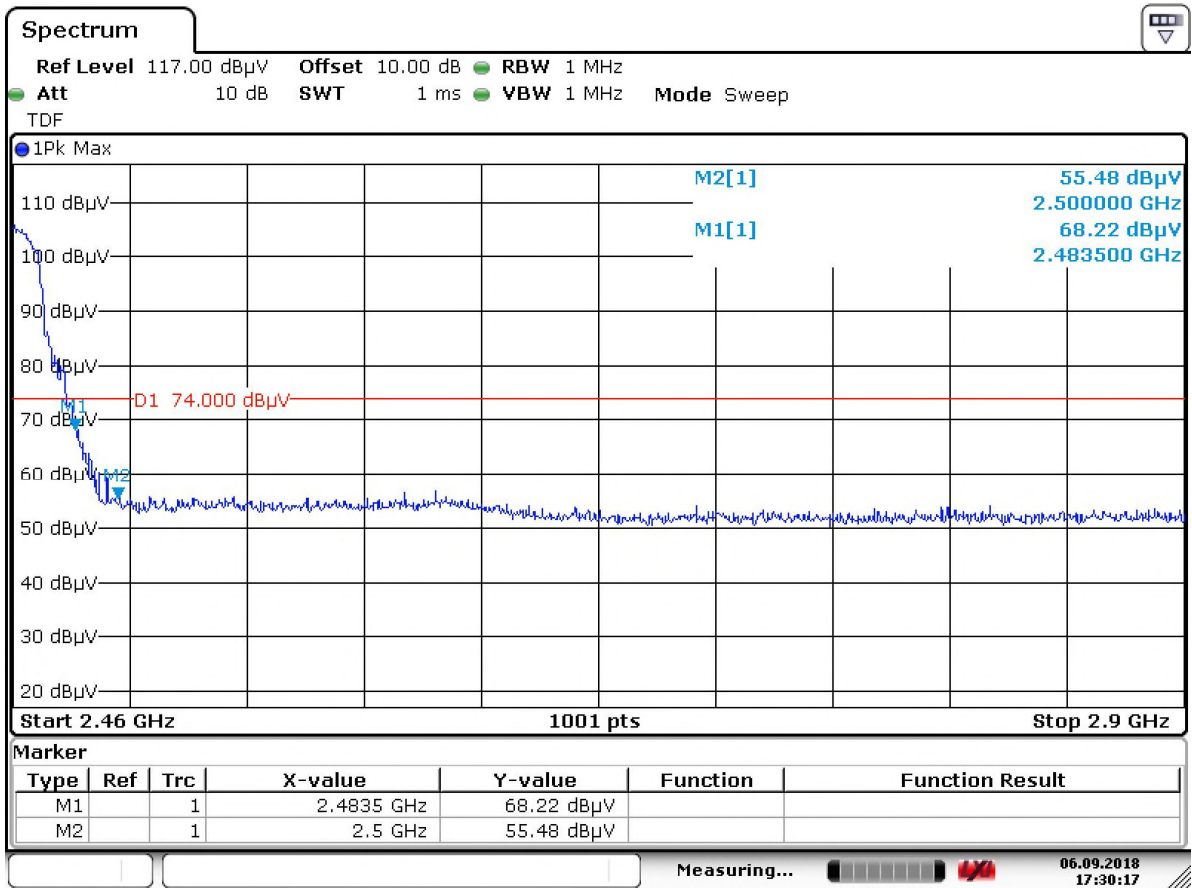


Date: 6.SEP.2018 18:14:09

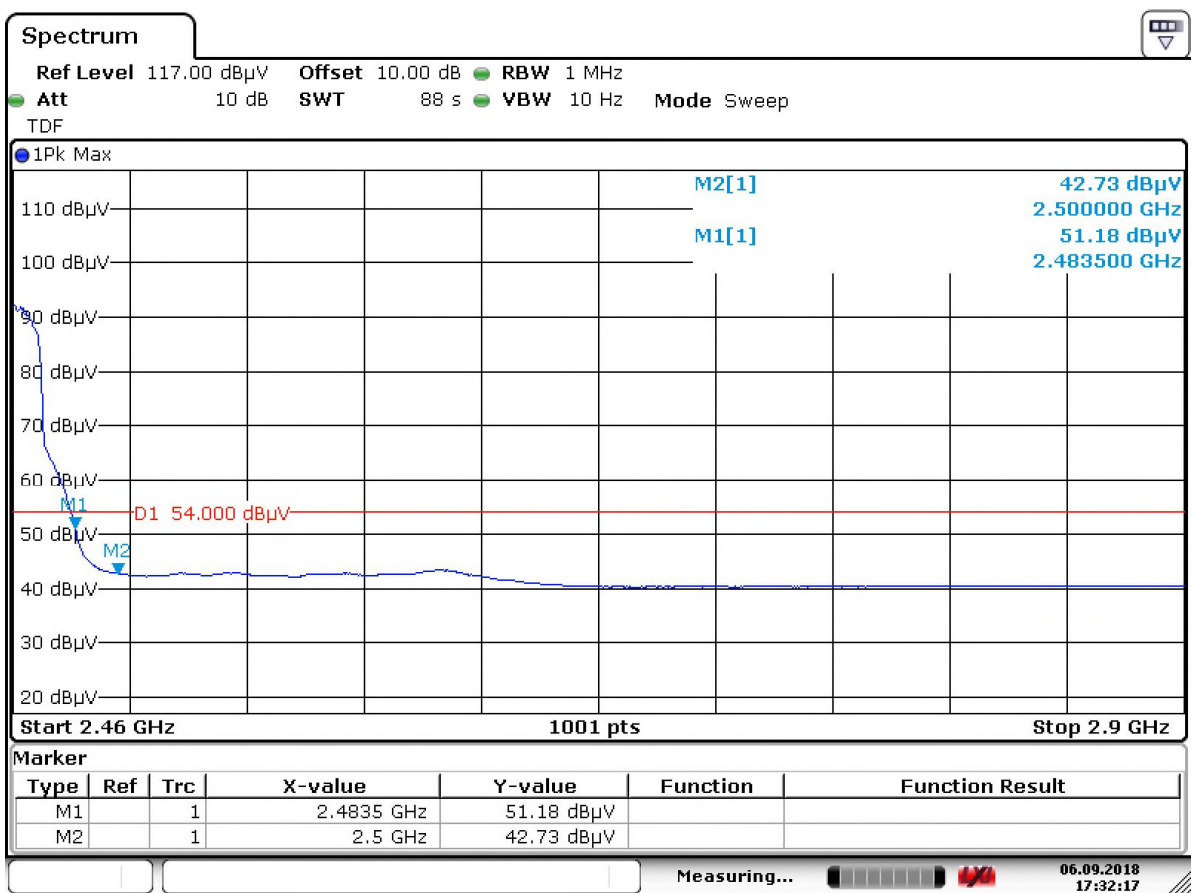


Date: 6.SEP.2018 18:15:18

High Channel (Horizontal)

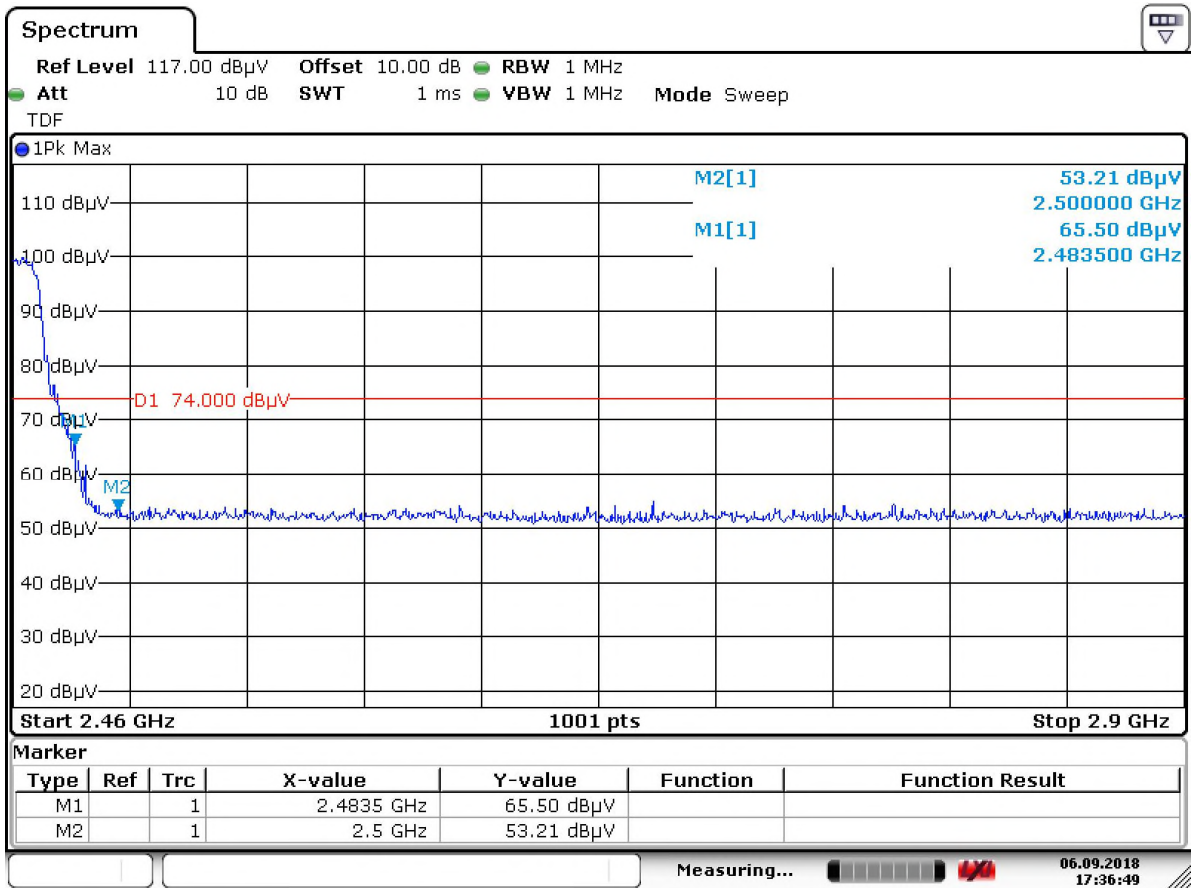


Date: 6.SEP.2018 17:30:17

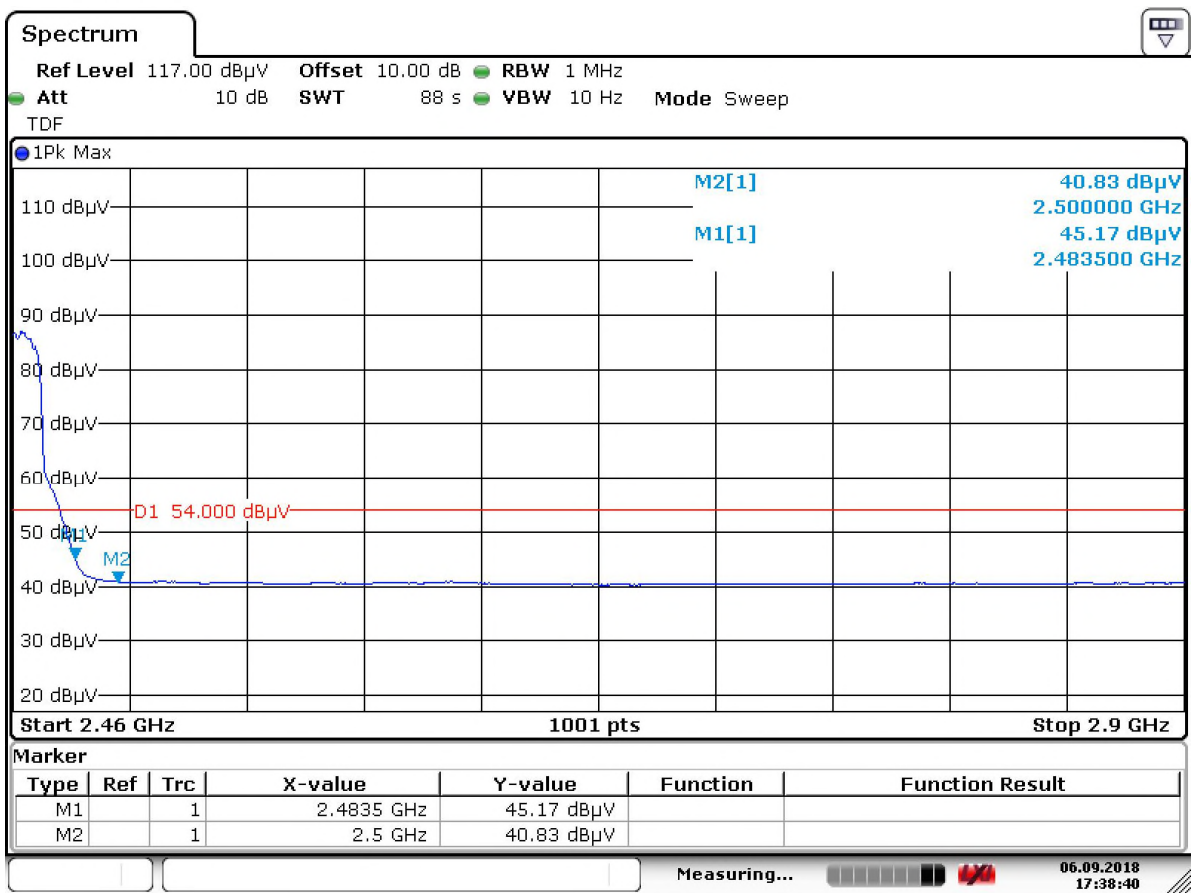


Date: 6.SEP.2018 17:32:16

High Channel (Vertical)

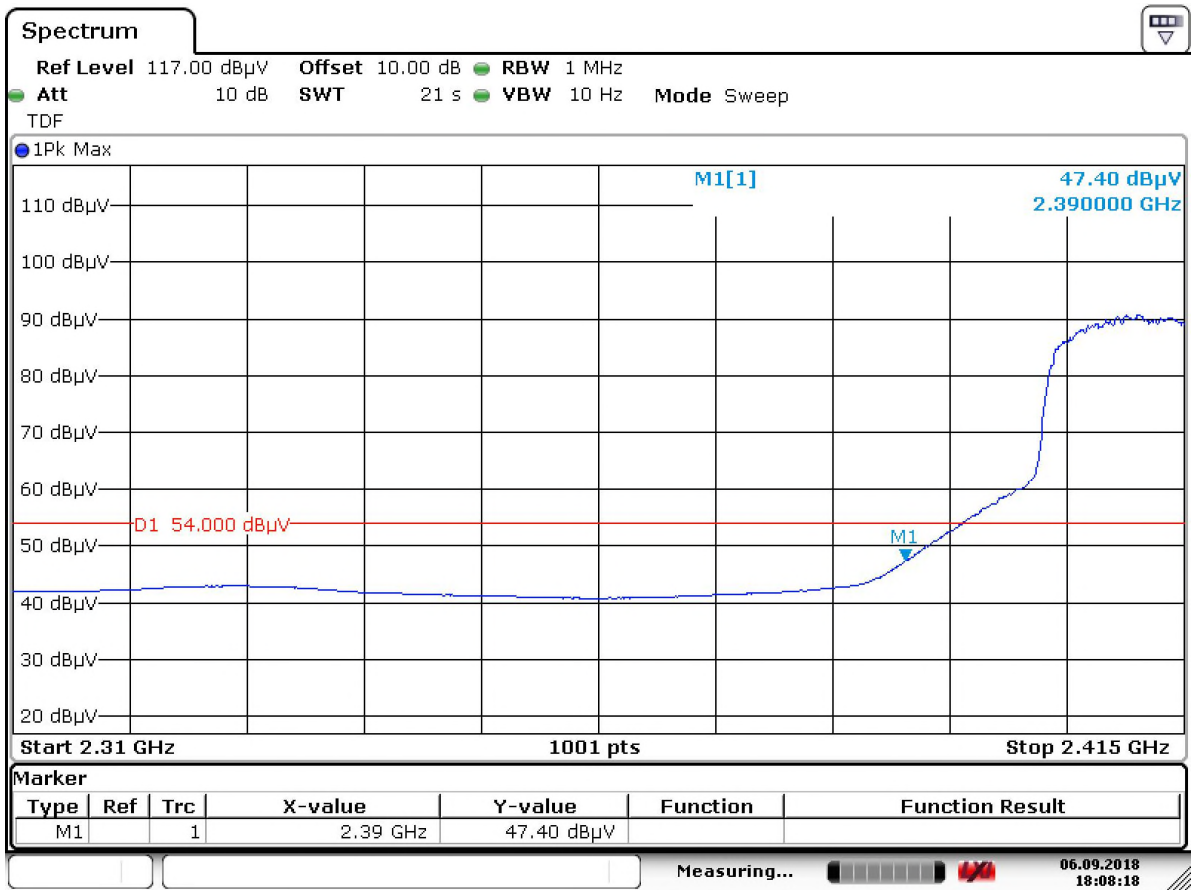


Date: 6.SEP.2018 17:36:49

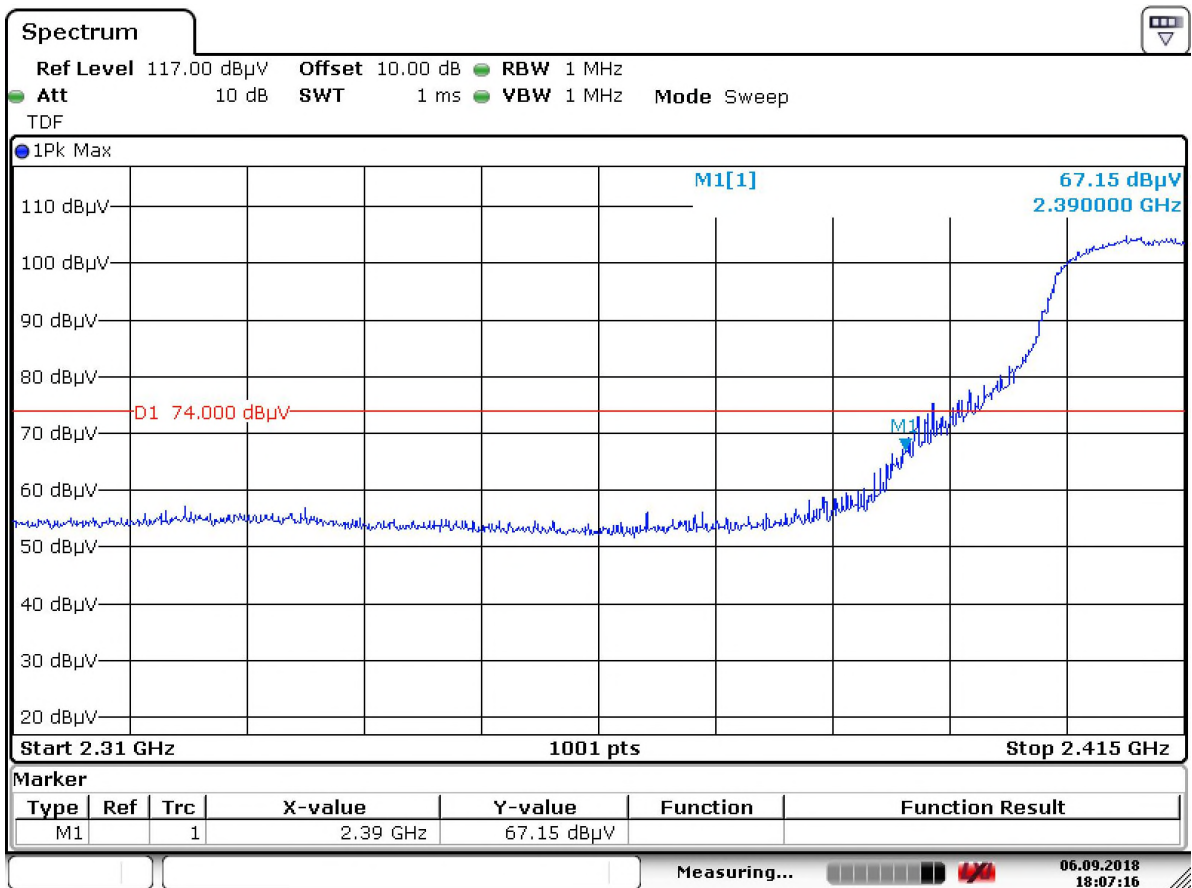


Date: 6.SEP.2018 17:38:40

Low Channel (Horizontal)

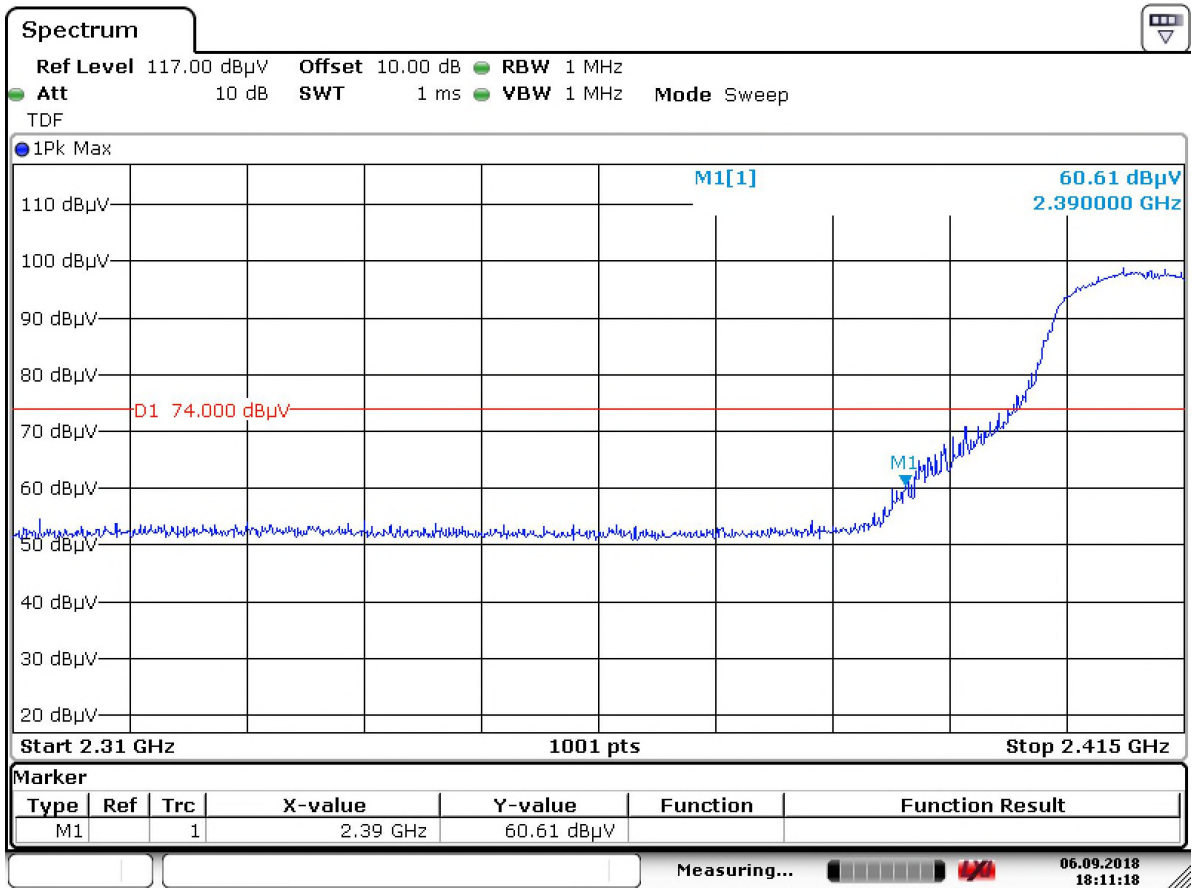


Date: 6.SEP.2018 18:08:18

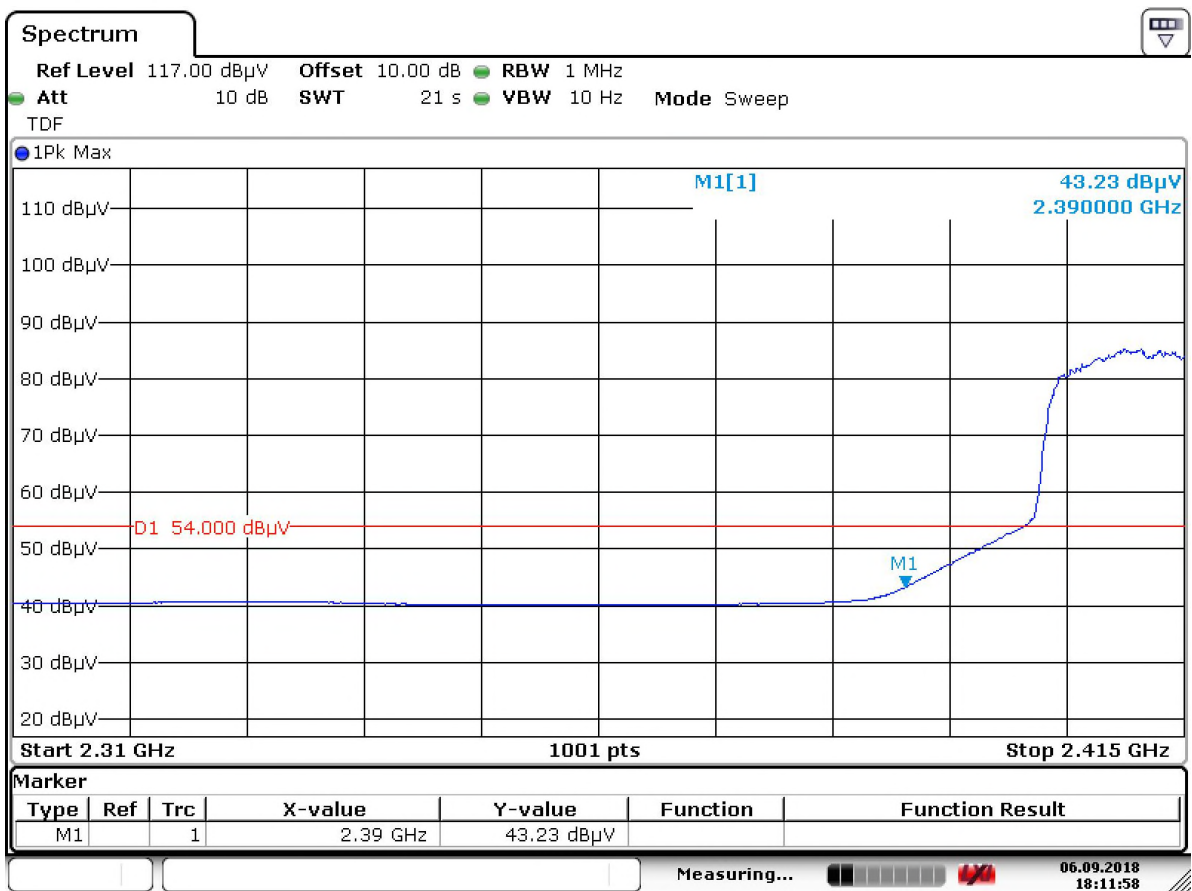


Date: 6.SEP.2018 18:07:16

Low Channel (Vertical)

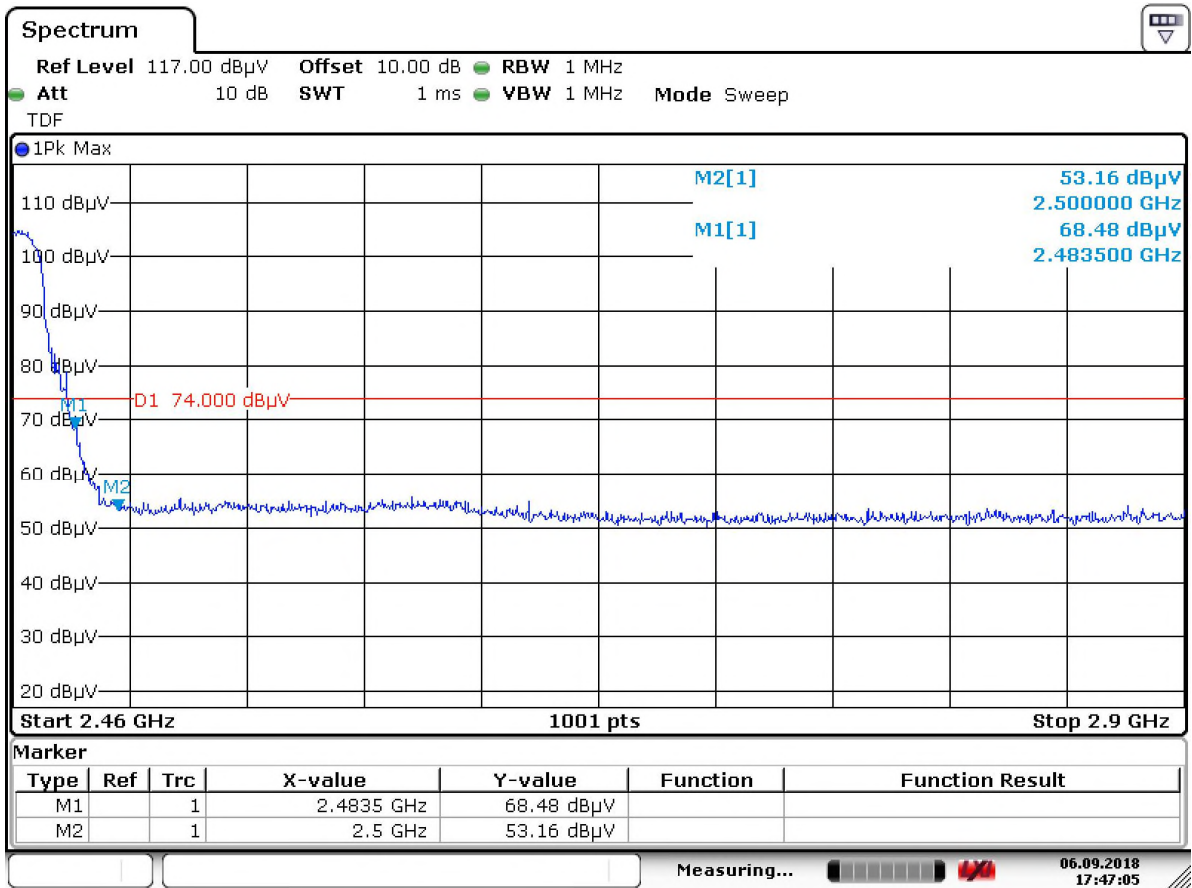


Date: 6.SEP.2018 18:11:19

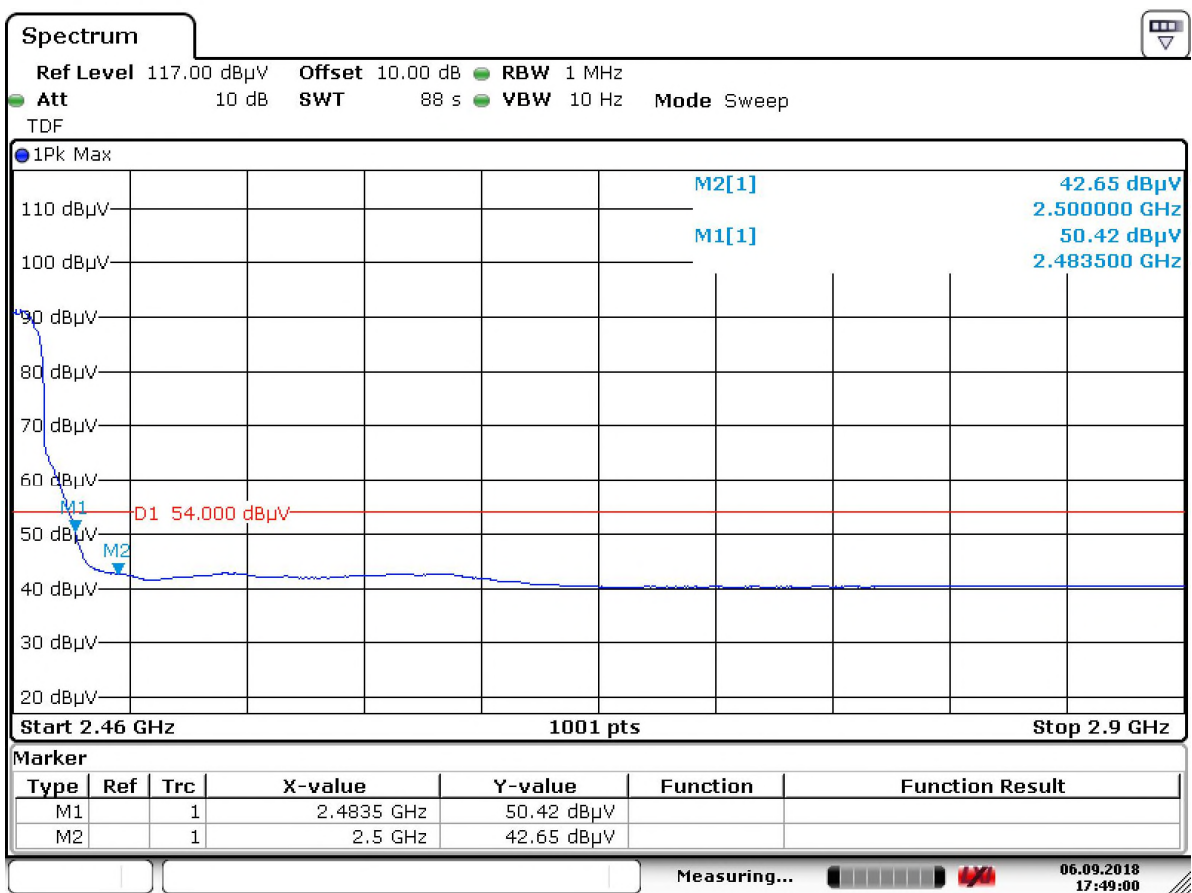


Date: 6.SEP.2018 18:11:58

High Channel (Horizontal)

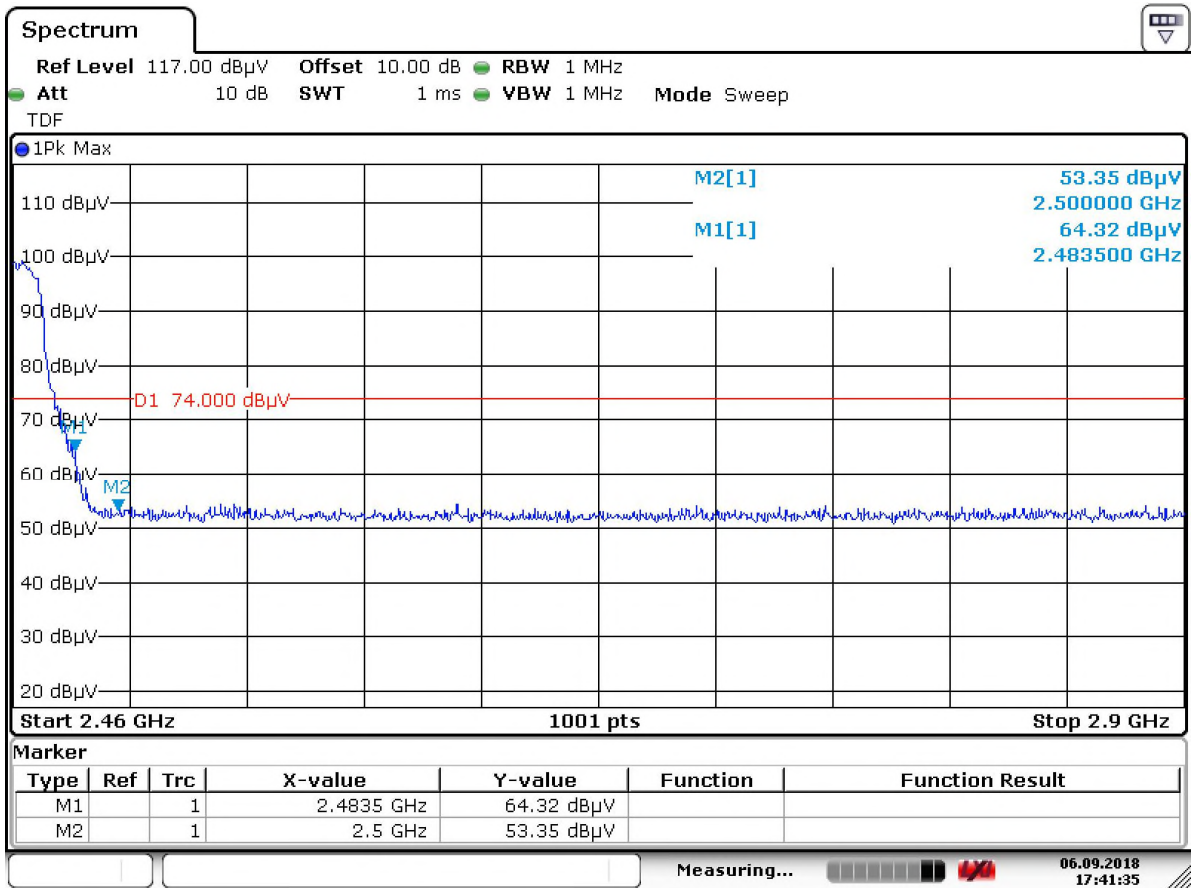


Date: 6.SEP.2018 17:47:05

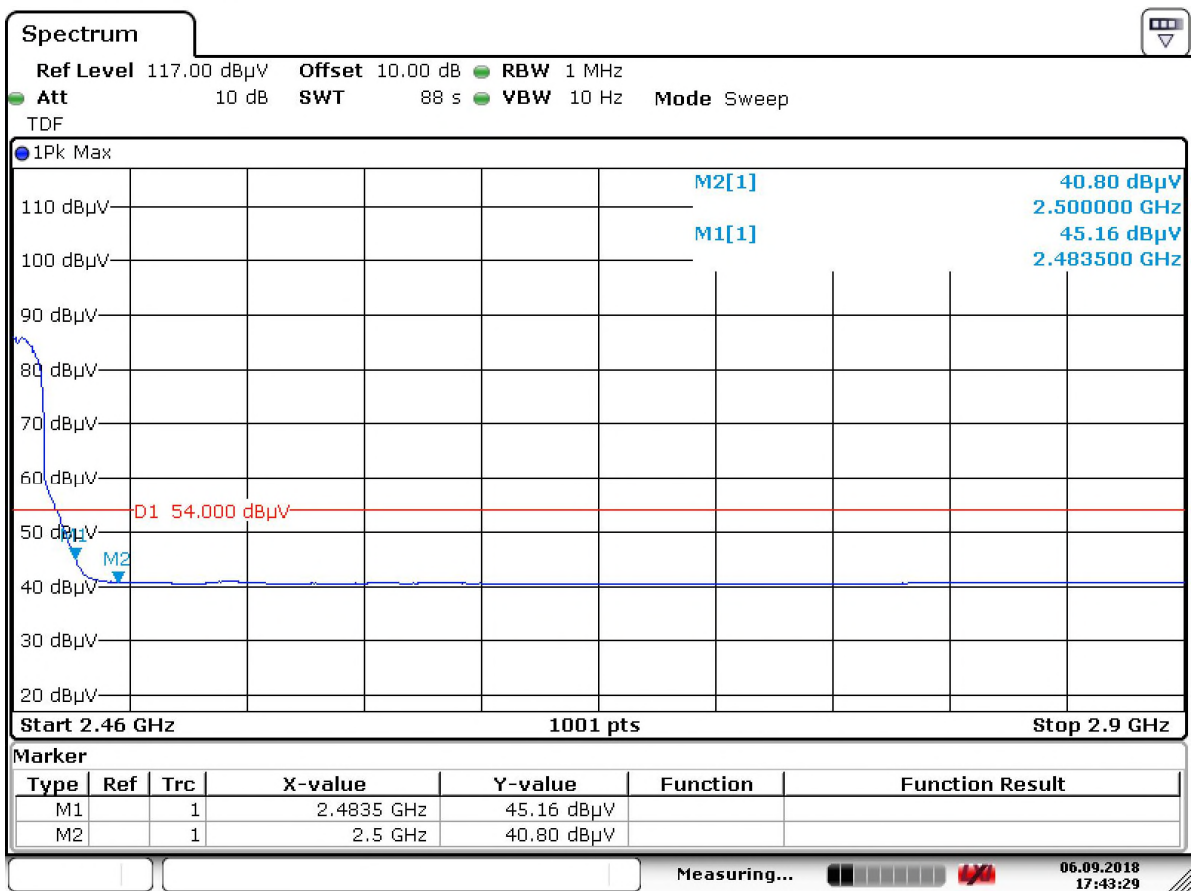


Date: 6.SEP.2018 17:48:59

High Channel (Vertical)



Date: 6.SEP.2018 17:41:36



Date: 6.SEP.2018 17:43:29

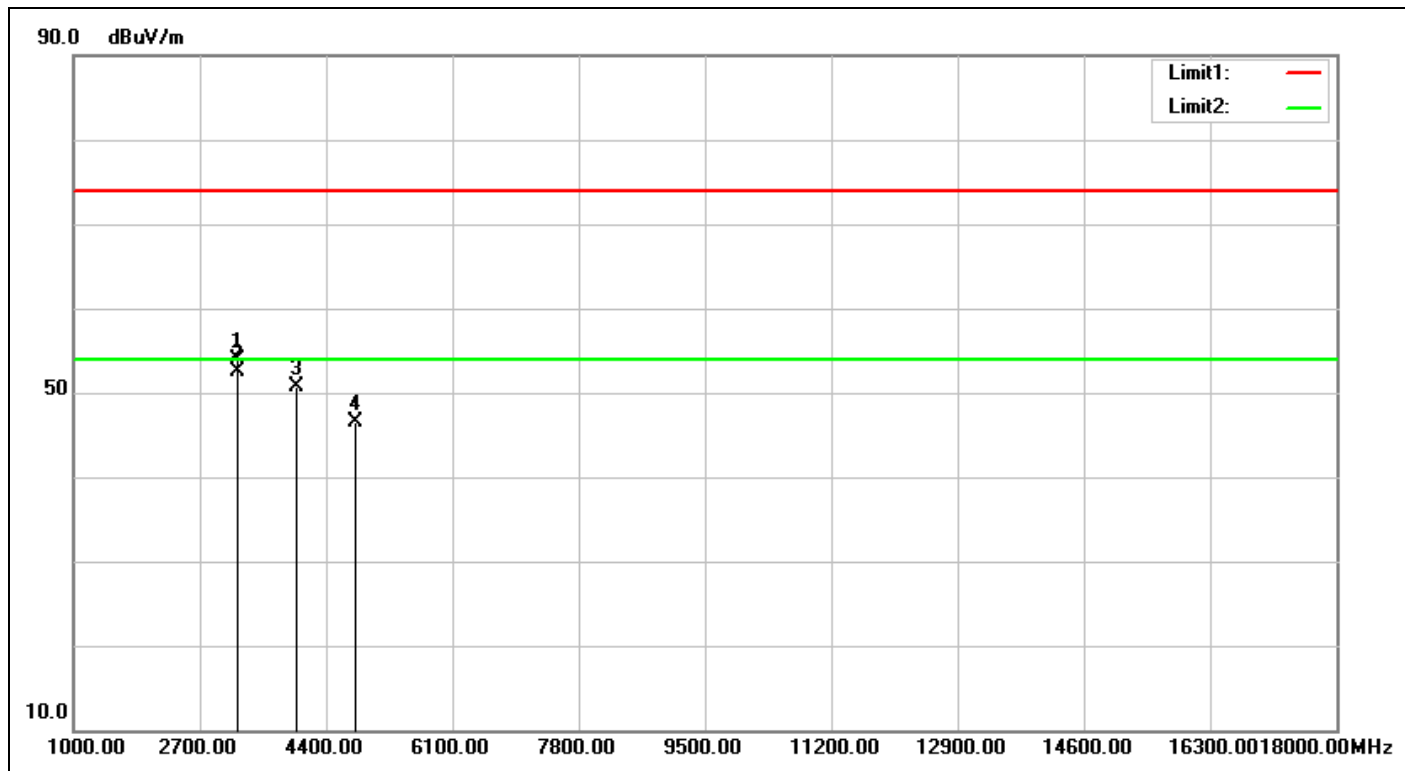
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

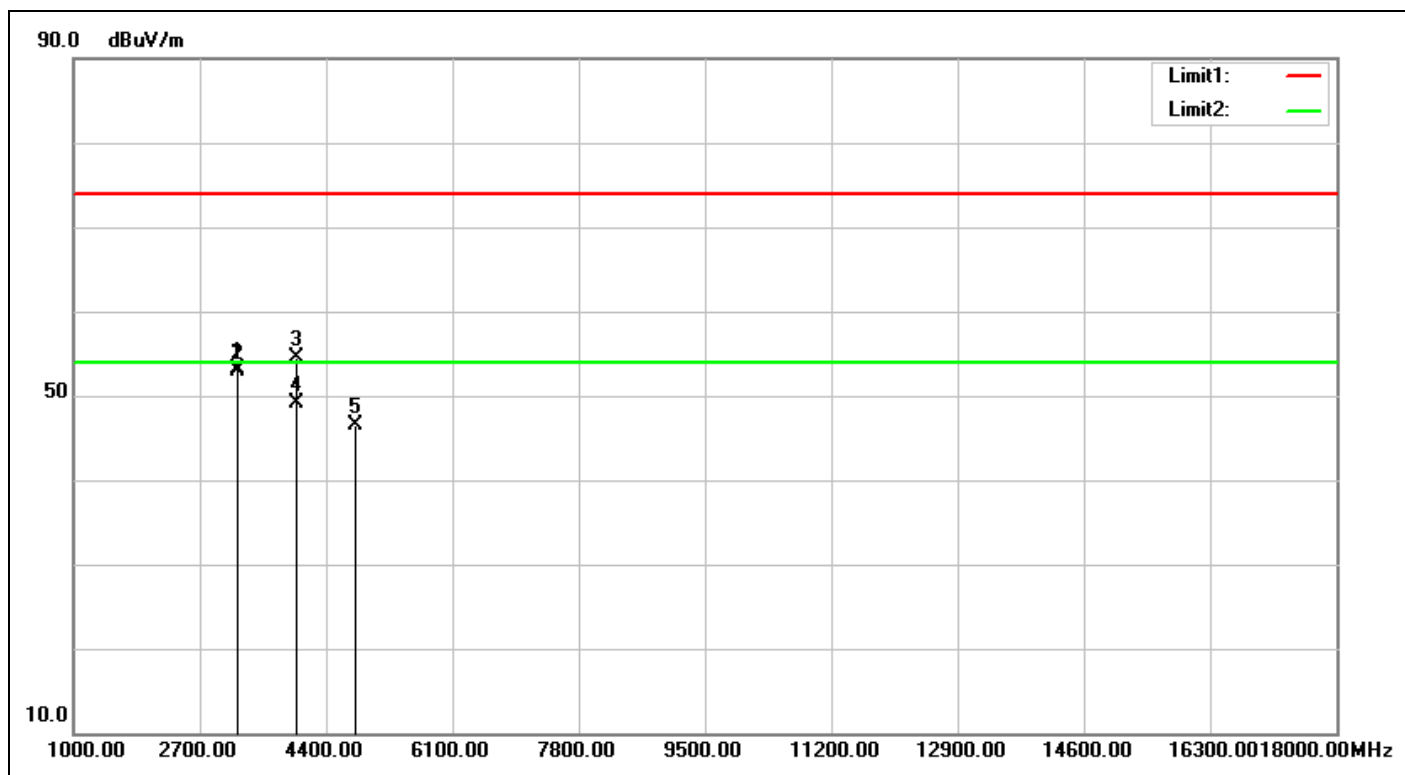
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



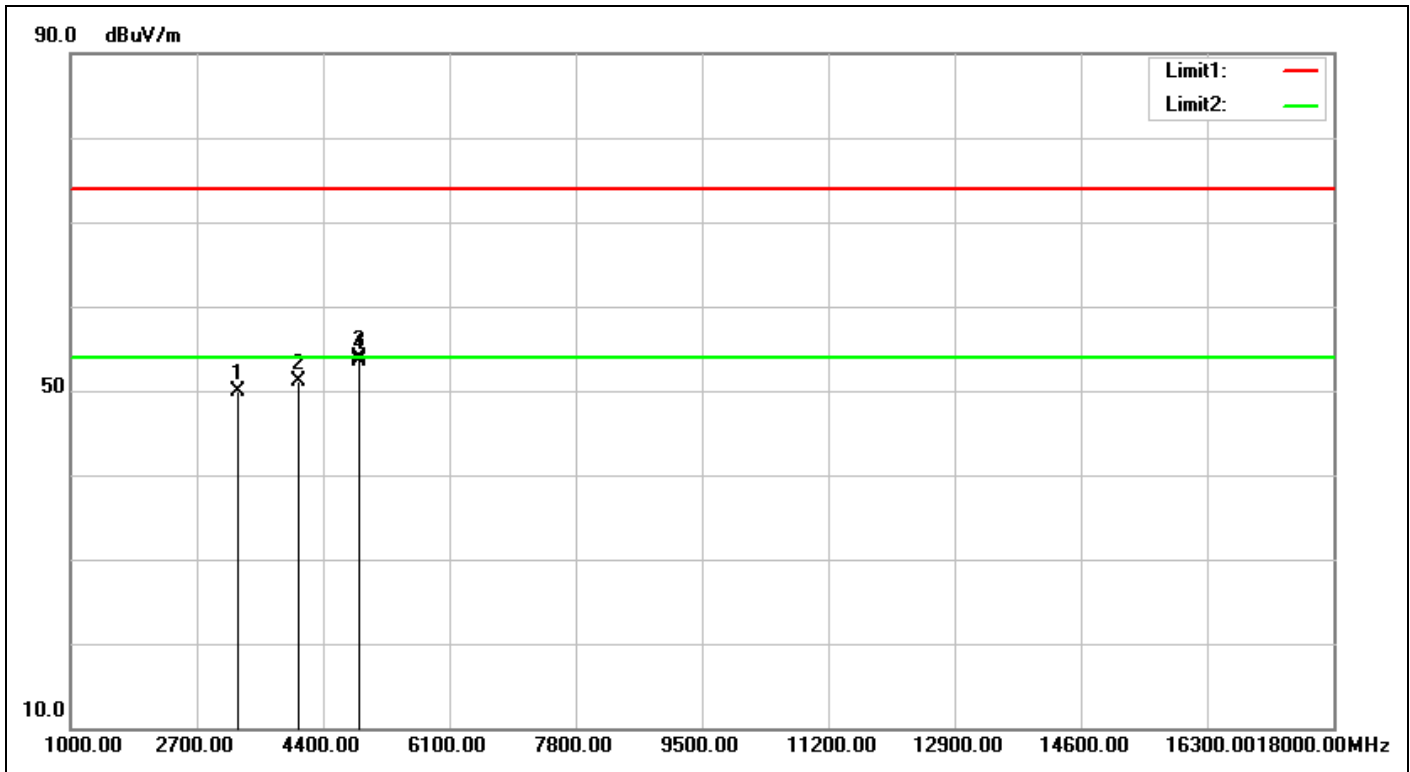
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 15:56:38
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3210.000	-6.37	60.36	53.99	74.00	-20.01	peak	100	95	
2	3210.000	-6.37	58.93	52.56	54.00	-1.44	AVG	100	95	
3	4009.000	-5.40	56.02	50.62	74.00	-23.38	peak	100	153	
4	4804.000	-2.65	49.15	46.50	74.00	-27.50	peak	100	185	



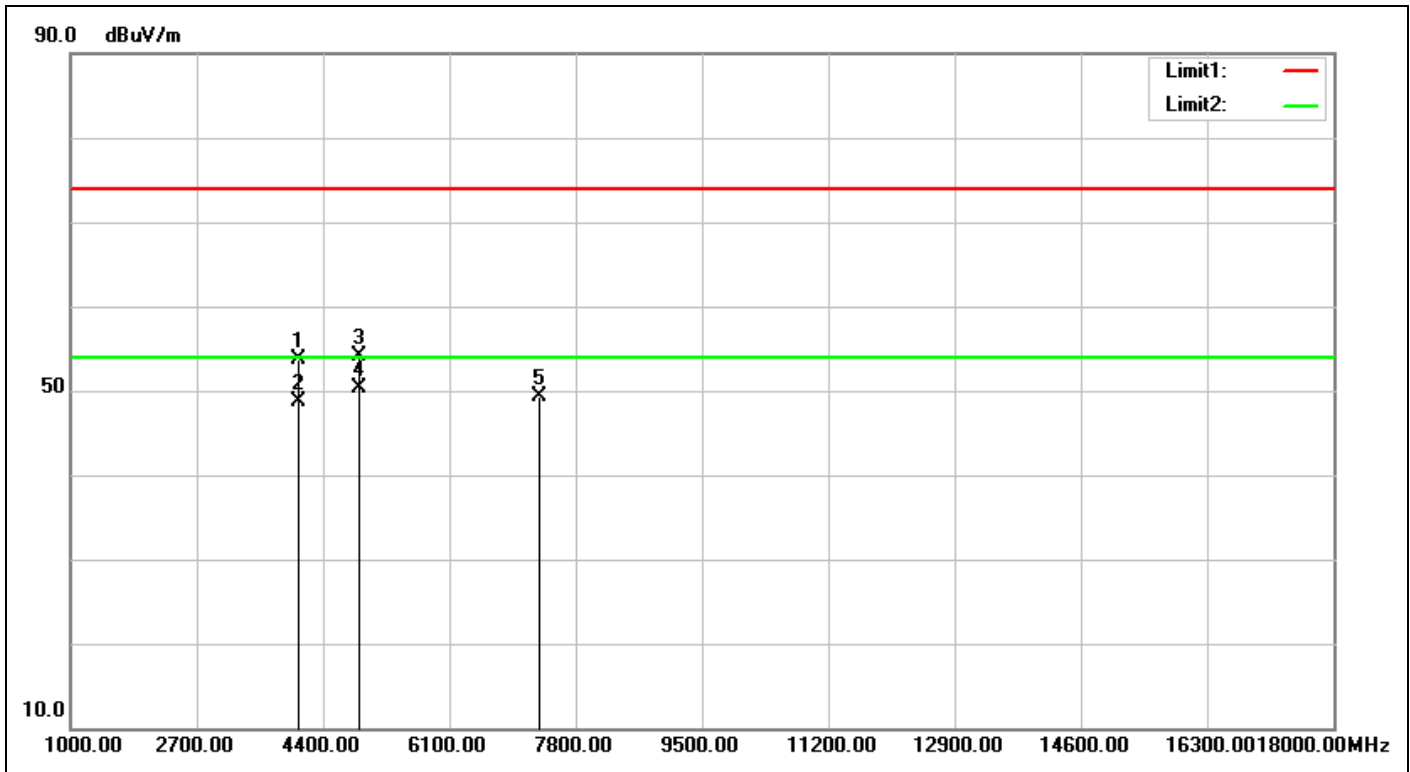
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 15:57:30
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3210.000	-6.37	59.49	53.12	74.00	-20.88	peak	100	227	
2	3210.000	-6.37	59.32	52.95	54.00	-1.05	AVG	100	227	
3	4009.000	-5.40	59.85	54.45	74.00	-19.55	peak	100	1	
4	4009.000	-5.40	54.54	49.14	54.00	-4.86	AVG	100	1	
5	4804.000	-2.65	49.21	46.56	74.00	-27.44	peak	100	128	



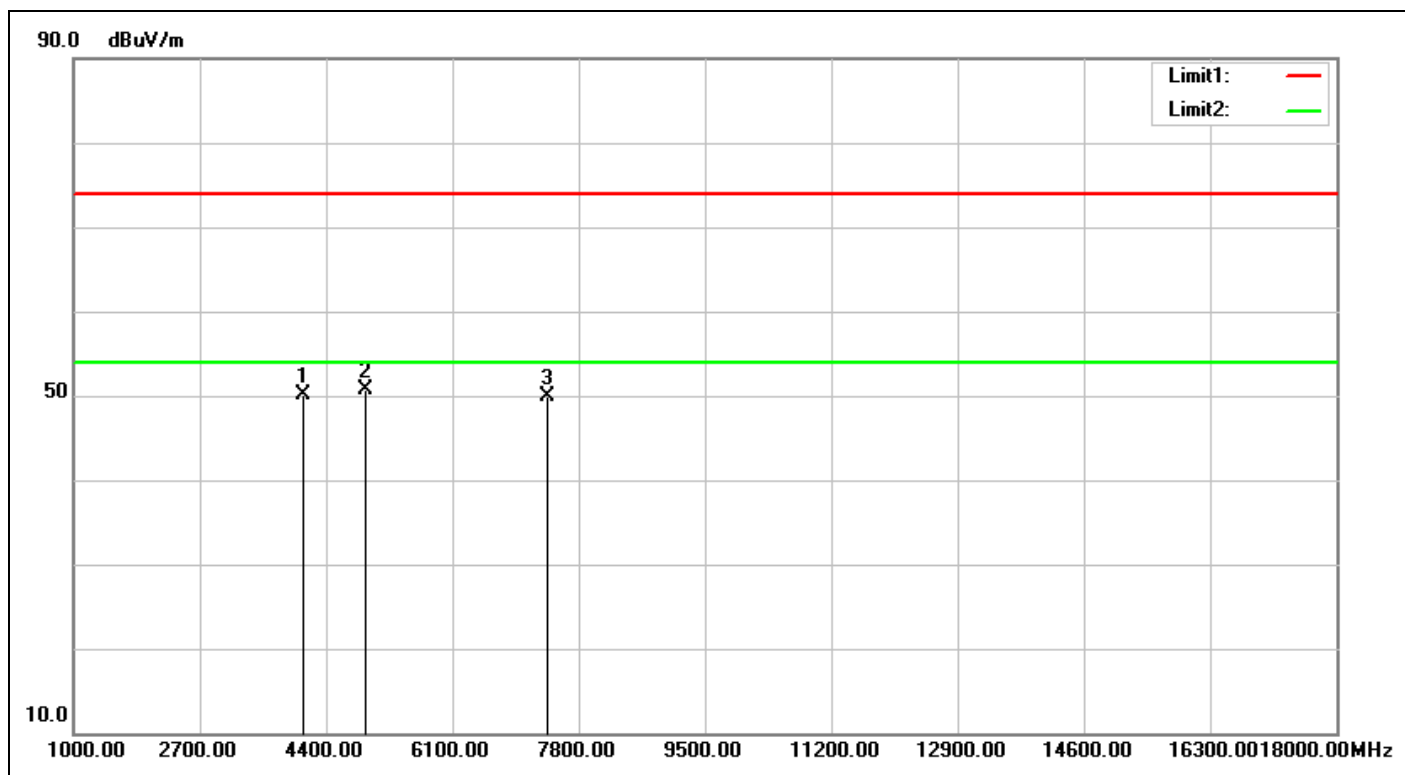
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 16:07:45
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3244.000	-6.34	56.24	49.90	74.00	-24.10	peak	100	220	
2	4060.000	-5.20	56.27	51.07	74.00	-22.93	peak	100	206	
3	4874.000	-2.46	56.35	53.89	74.00	-20.11	peak	100	157	
4	4874.000	-2.46	55.97	53.51	54.00	-0.49	AVG	100	157	



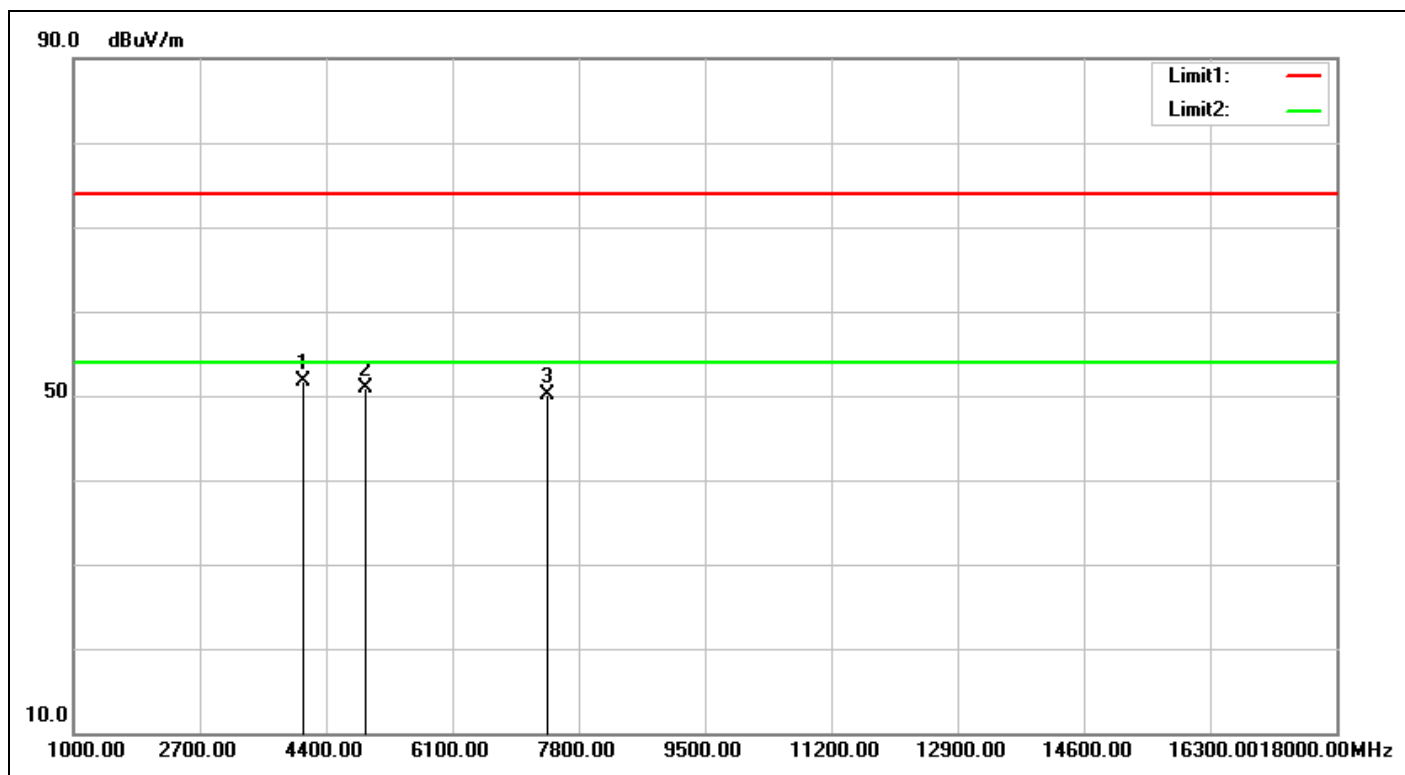
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 16:08:37
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4060.000	-5.20	58.90	53.70	74.00	-20.30	peak	100	360	
2	4060.000	-5.20	53.87	48.67	54.00	-5.33	AVG	100	360	
3	4874.000	-2.46	56.61	54.15	74.00	-19.85	peak	100	56	
4	4874.000	-2.46	52.82	50.36	54.00	-3.64	AVG	100	56	
5	7311.000	5.50	43.81	49.31	74.00	-24.69	peak	100	169	



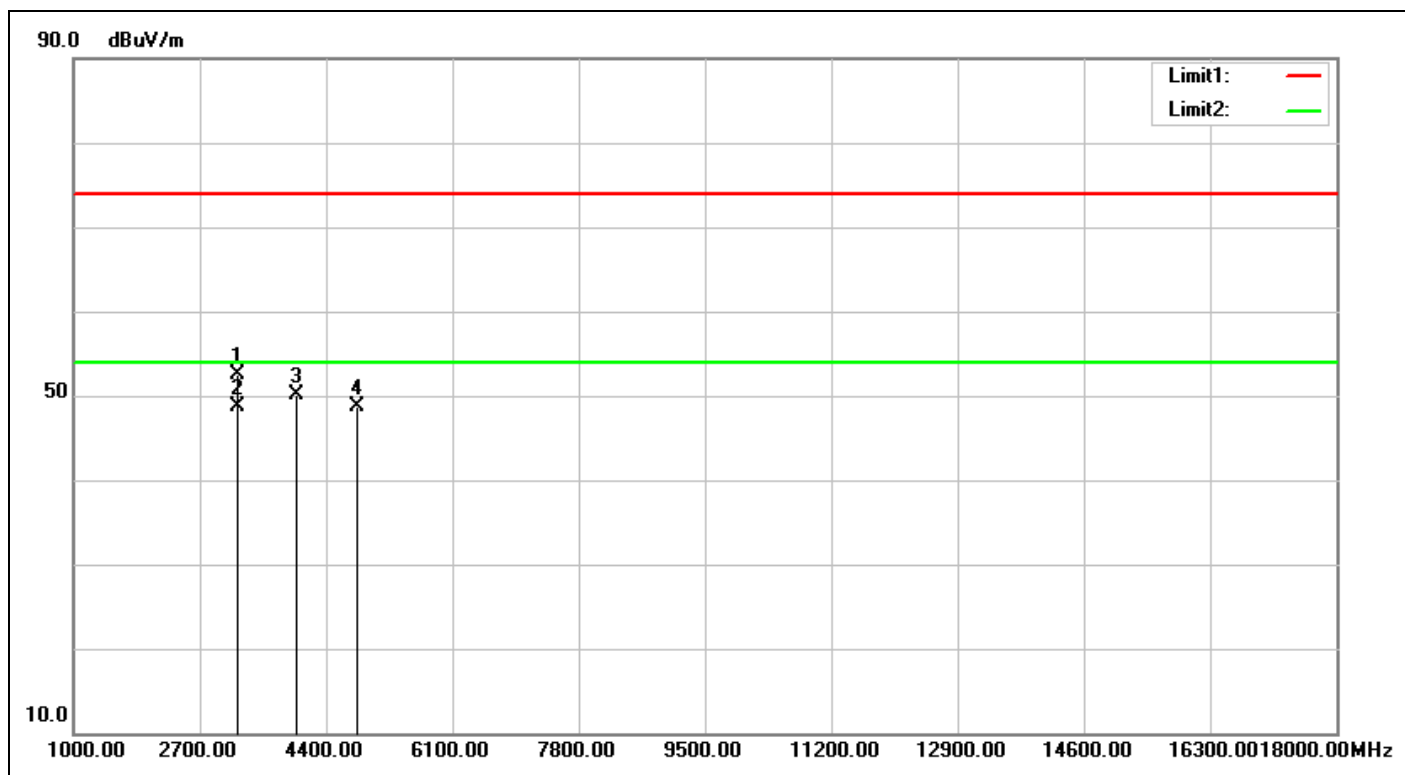
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 16:21:10
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4094.000	-5.07	55.12	50.05	74.00	-23.95	peak	100	51	
2	4924.000	-2.32	53.09	50.77	74.00	-23.23	peak	100	196	
3	7386.000	5.67	44.29	49.96	74.00	-24.04	peak	100	274	



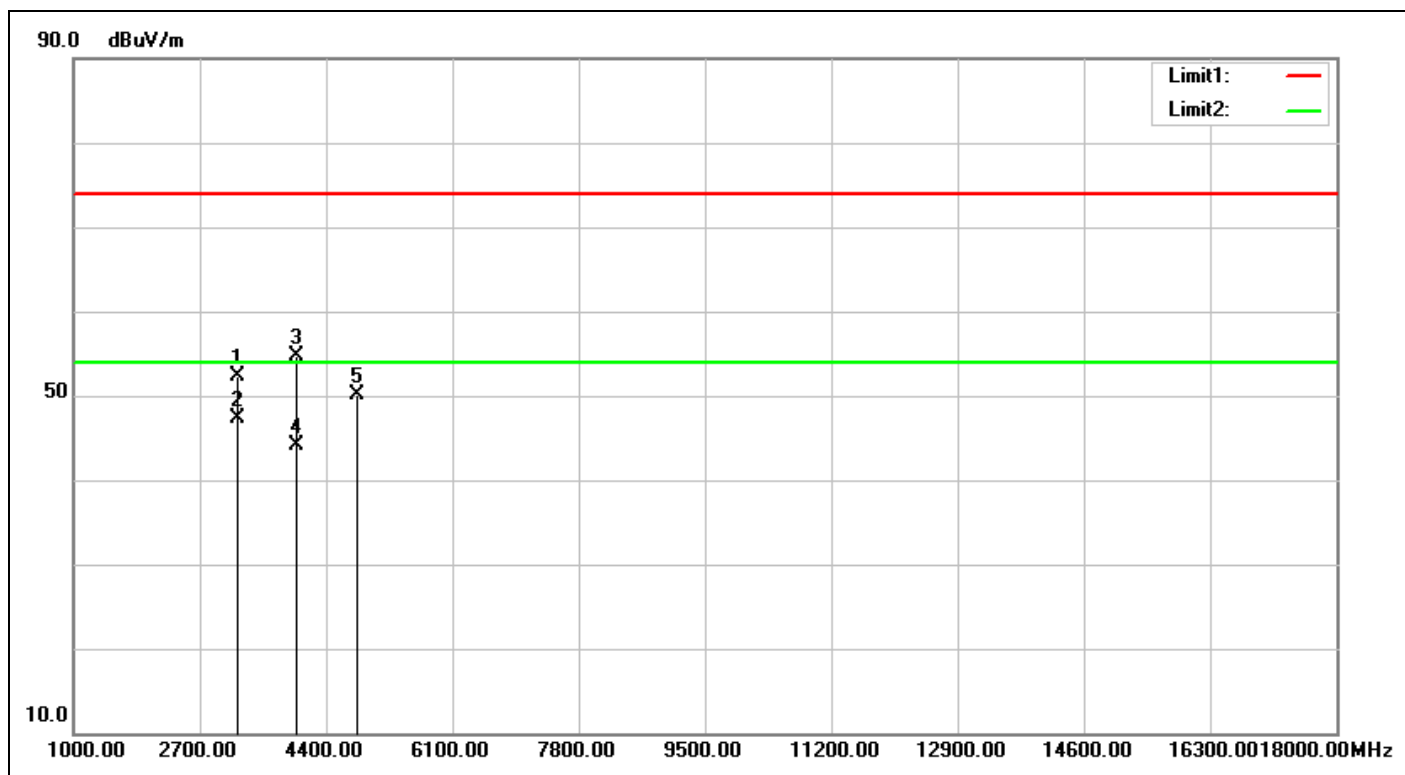
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 16:22:02
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4094.000	-5.07	56.81	51.74	74.00	-22.26	peak	100	2	
2	4924.000	-2.32	53.30	50.98	74.00	-23.02	peak	100	168	
3	7386.000	5.67	44.48	50.15	74.00	-23.85	peak	100	209	



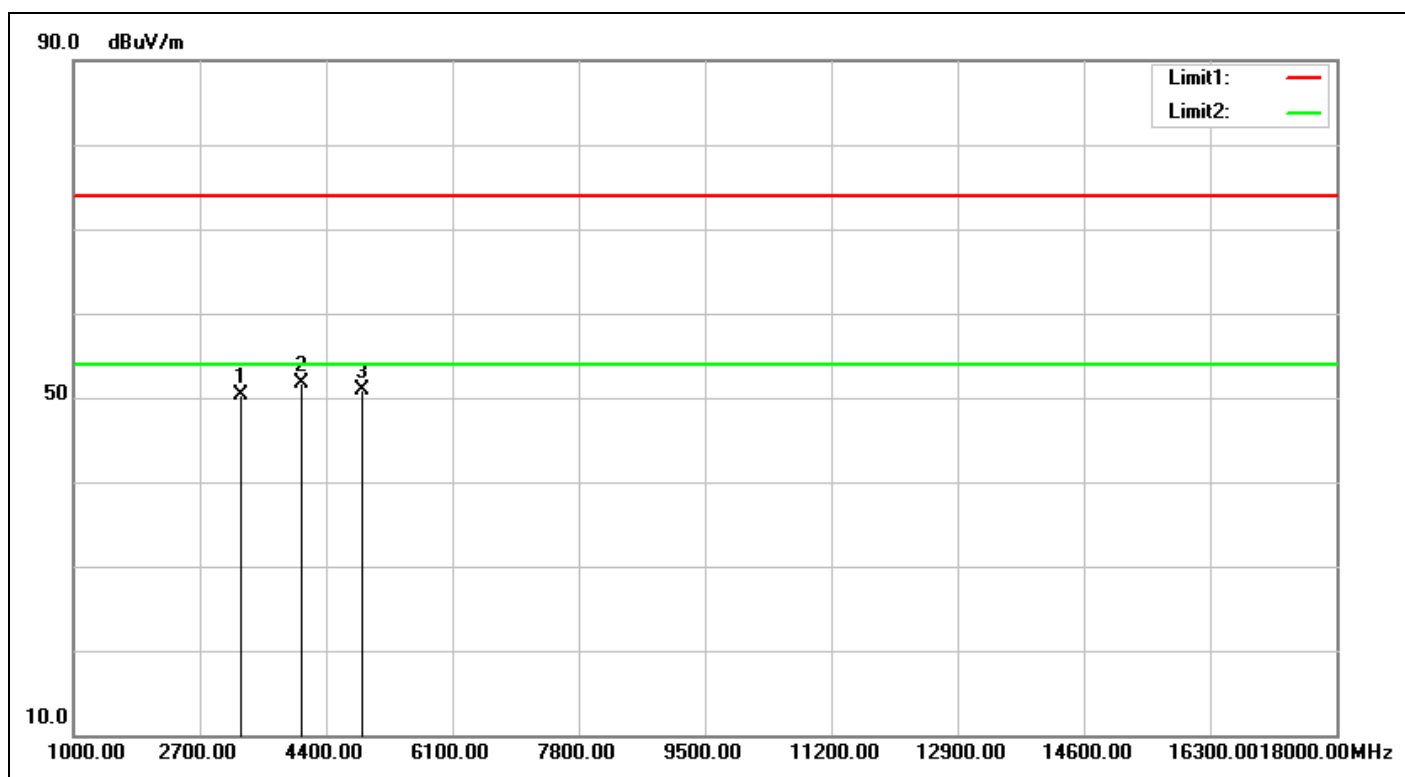
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 17:57:02
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3210.000	-6.37	58.78	52.41	74.00	-21.59	peak	100	37	
2	3210.000	-6.37	55.11	48.74	54.00	-5.26	AVG	100	37	
3	4009.000	-5.40	55.56	50.16	74.00	-23.84	peak	100	222	
4	4824.000	-2.59	51.22	48.63	74.00	-25.37	peak	100	165	



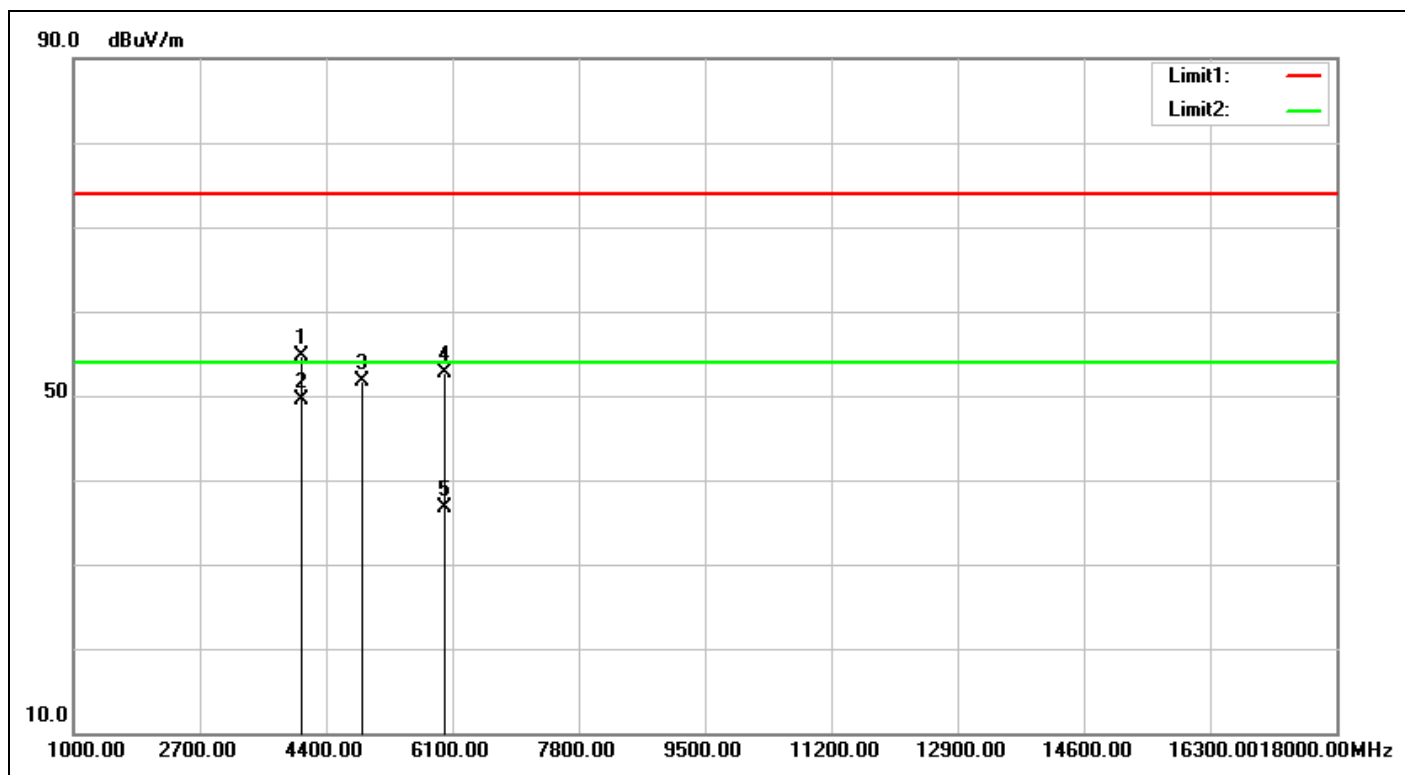
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 17:57:54
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3210.000	-6.37	58.61	52.24	74.00	-21.76	peak	100	313	
2	3210.000	-6.37	53.63	47.26	54.00	-6.74	AVG	100	313	
3	4009.000	-5.40	60.10	54.70	74.00	-19.30	peak	100	4	
4	4009.000	-5.40	49.54	44.14	54.00	-9.86	AVG	100	4	
5	4824.000	-2.59	52.61	50.02	74.00	-23.98	peak	100	152	



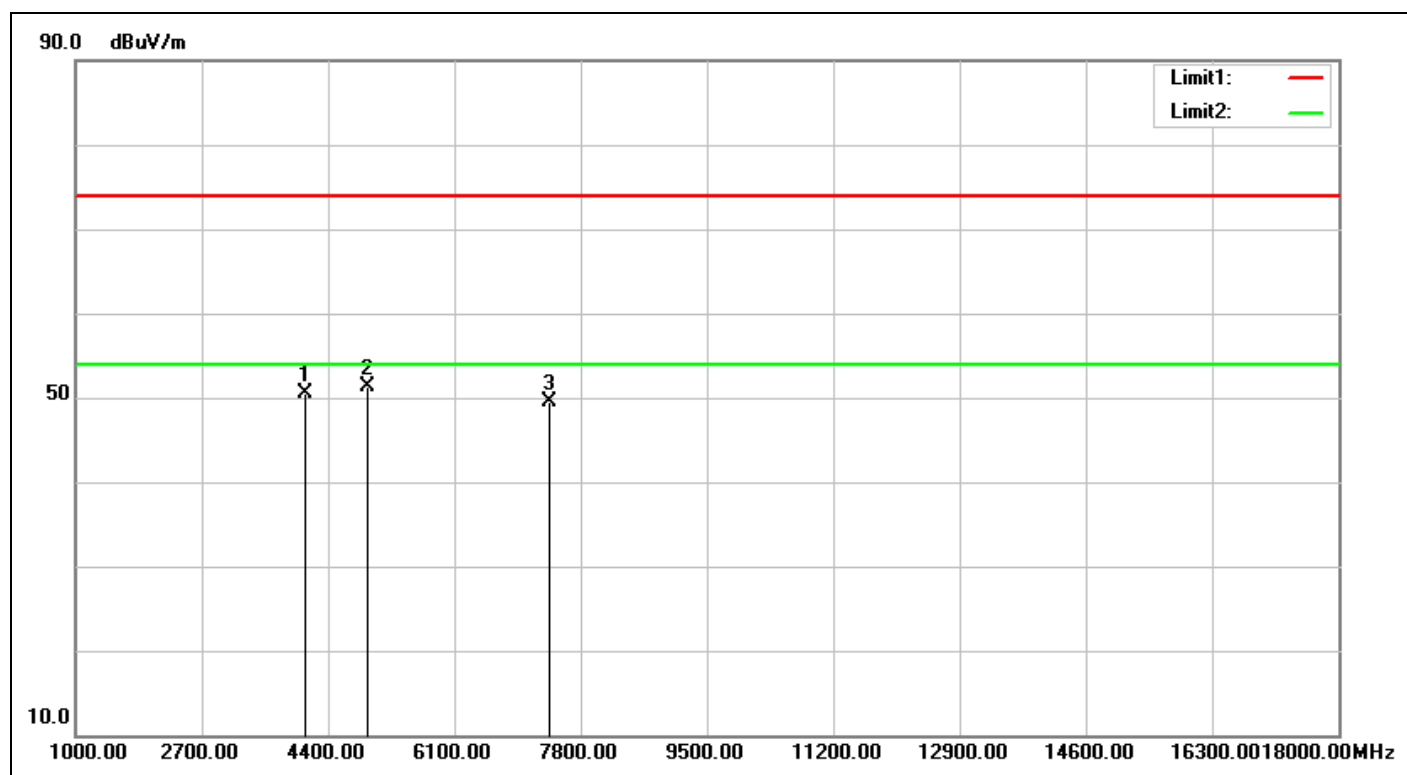
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:10:35
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3244.000	-6.34	56.56	50.22	74.00	-23.78	peak	100	31	
2	4060.000	-5.20	56.82	51.62	74.00	-22.38	peak	100	55	
3	4874.000	-2.46	53.45	50.99	74.00	-23.01	peak	100	140	



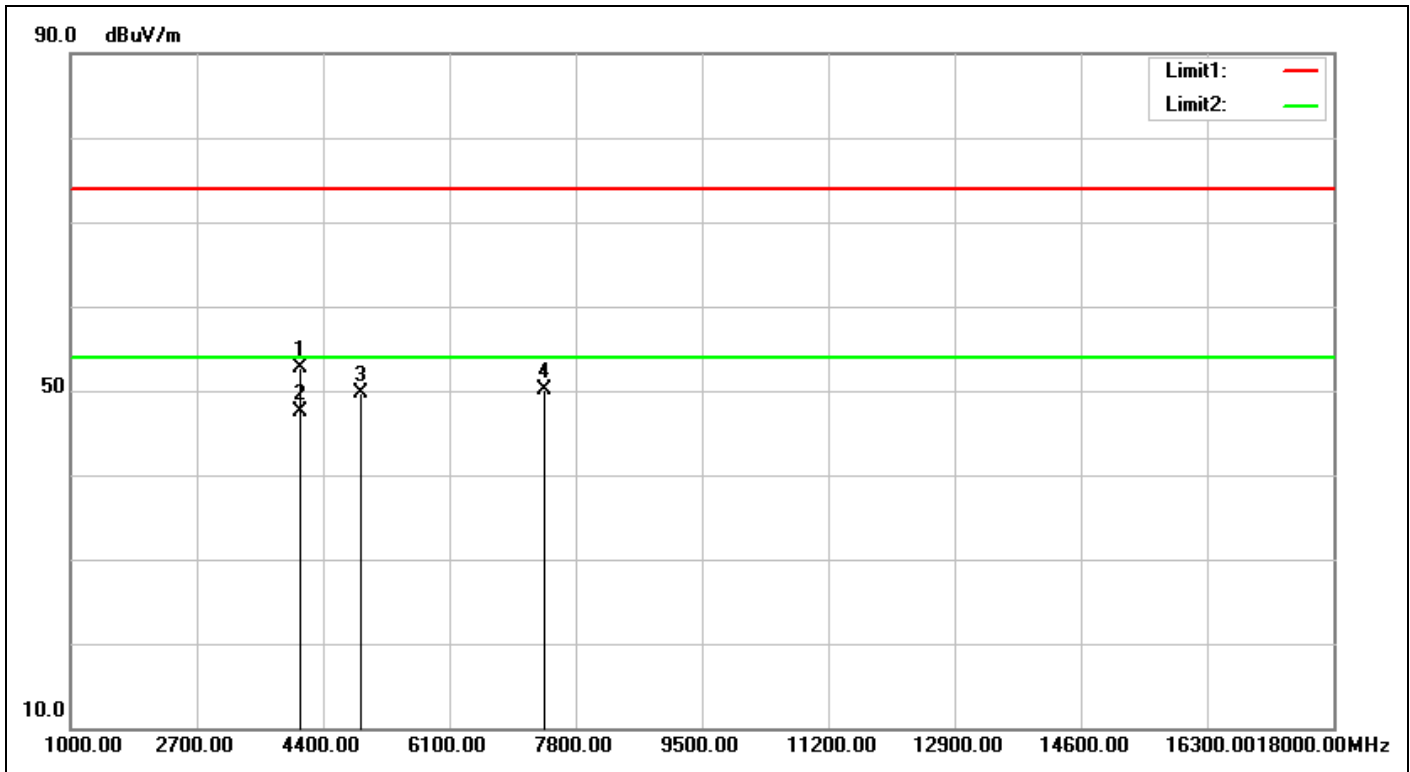
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:11:28
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4060.000	-5.20	59.95	54.75	74.00	-19.25	peak	100	0	
2	4060.000	-5.20	54.73	49.53	54.00	-4.47	AVG	100	0	
3	4874.000	-2.46	54.24	51.78	74.00	-22.22	peak	100	187	
4	5998.000	3.33	49.28	52.61	74.00	-21.39	peak	100	203	
5	5998.000	3.33	33.34	36.67	54.00	-17.33	AVG	100	203	



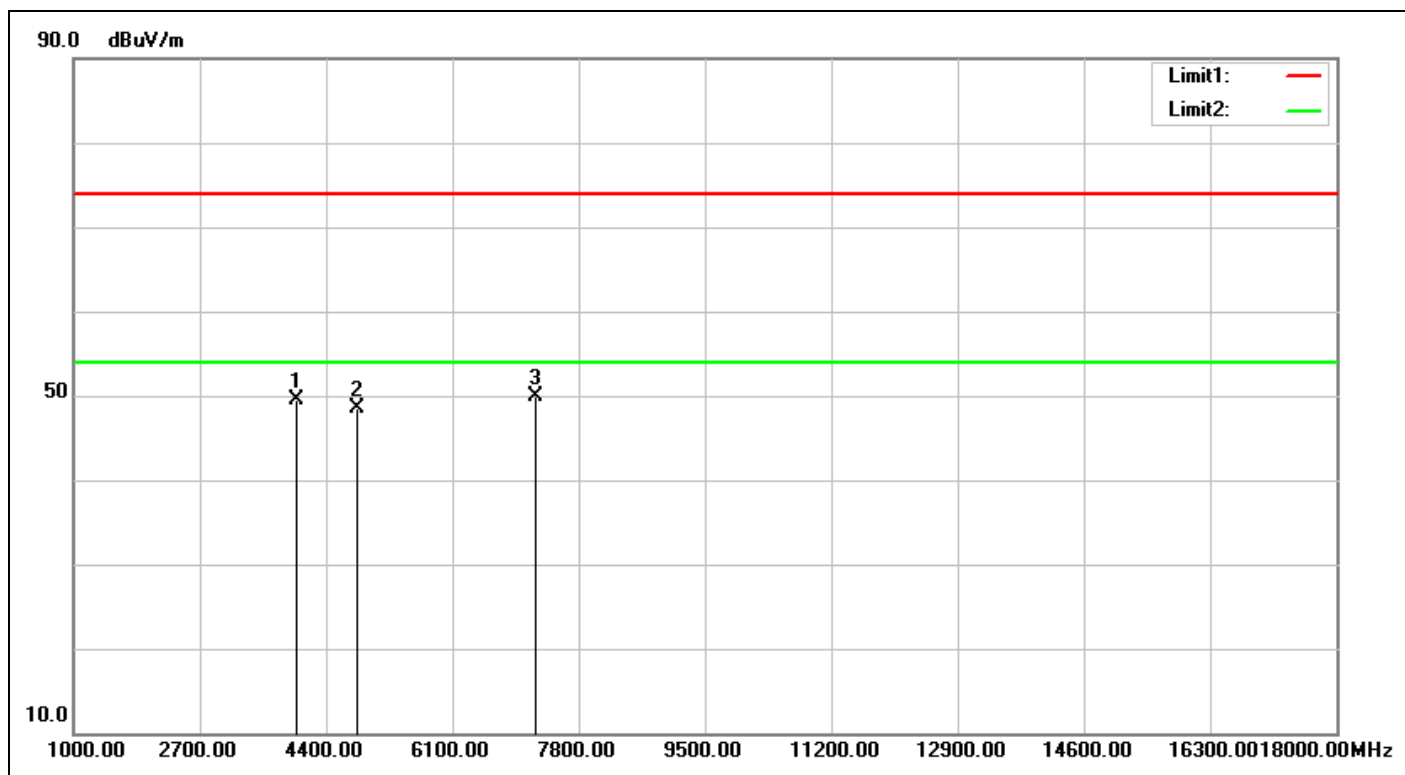
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:16:10
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4094.000	-5.07	55.56	50.49	74.00	-23.51	peak	100	321	
2	4924.000	-2.32	53.56	51.24	74.00	-22.76	peak	100	157	
3	7386.000	5.67	43.82	49.49	74.00	-24.51	peak	100	118	



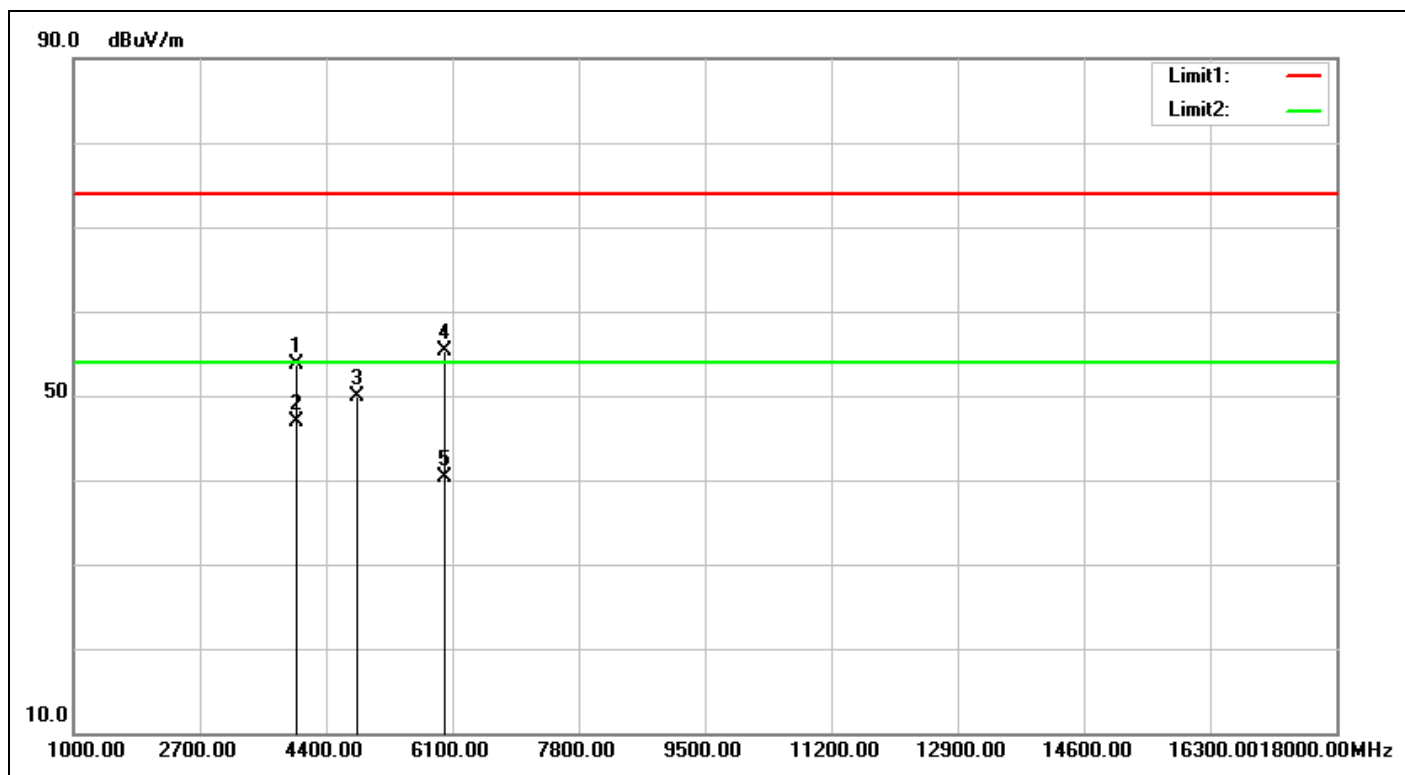
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:17:02
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4094.000	-5.07	57.69	52.62	74.00	-21.38	peak	100	4	
2	4094.000	-5.07	52.59	47.52	54.00	-6.48	AVG	100	4	
3	4924.000	-2.32	51.96	49.64	74.00	-24.36	peak	100	35	
4	7386.000	5.67	44.51	50.18	74.00	-23.82	peak	100	185	



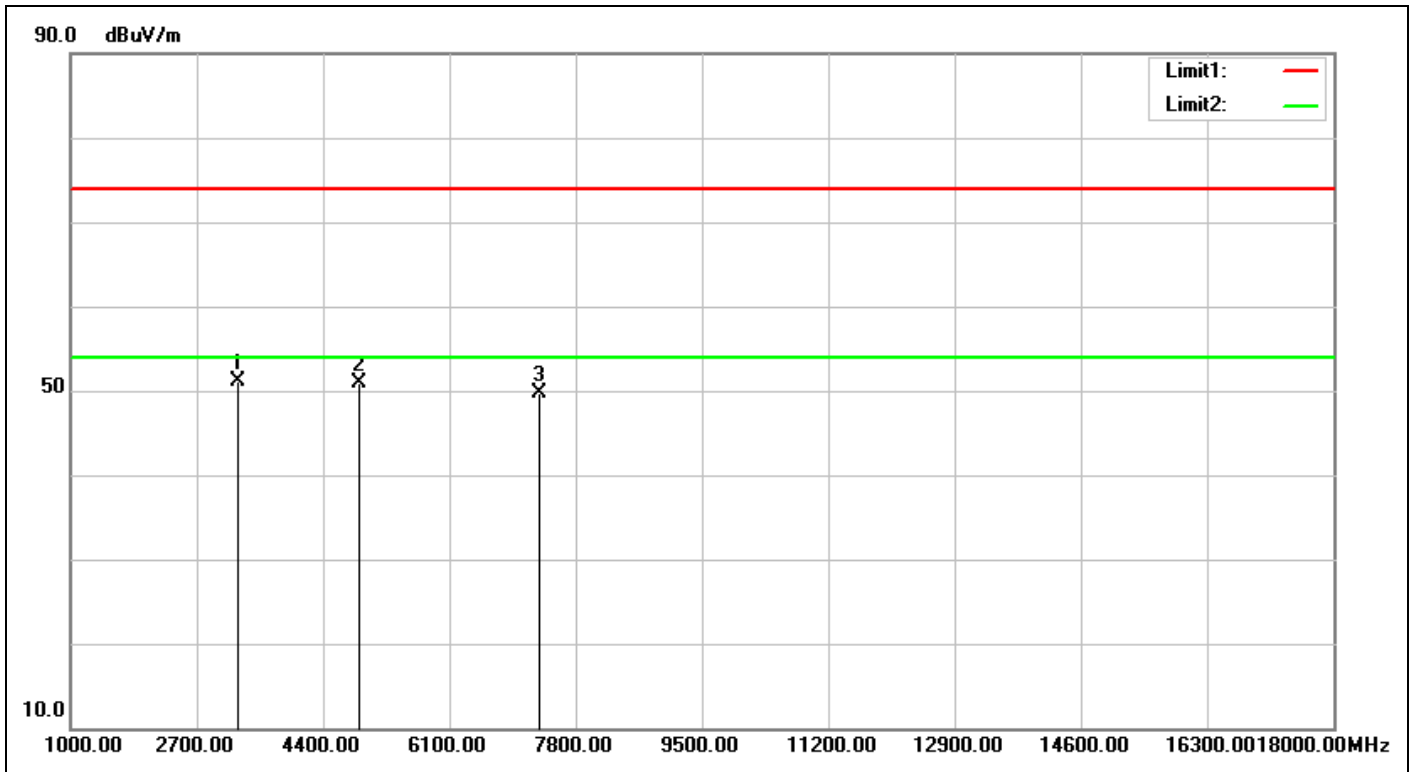
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:22:19
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4009.000	-5.40	55.00	49.60	74.00	-24.40	peak	100	327	
2	4824.000	-2.59	51.10	48.51	74.00	-25.49	peak	100	196	
3	7236.000	5.32	44.56	49.88	74.00	-24.12	peak	100	60	



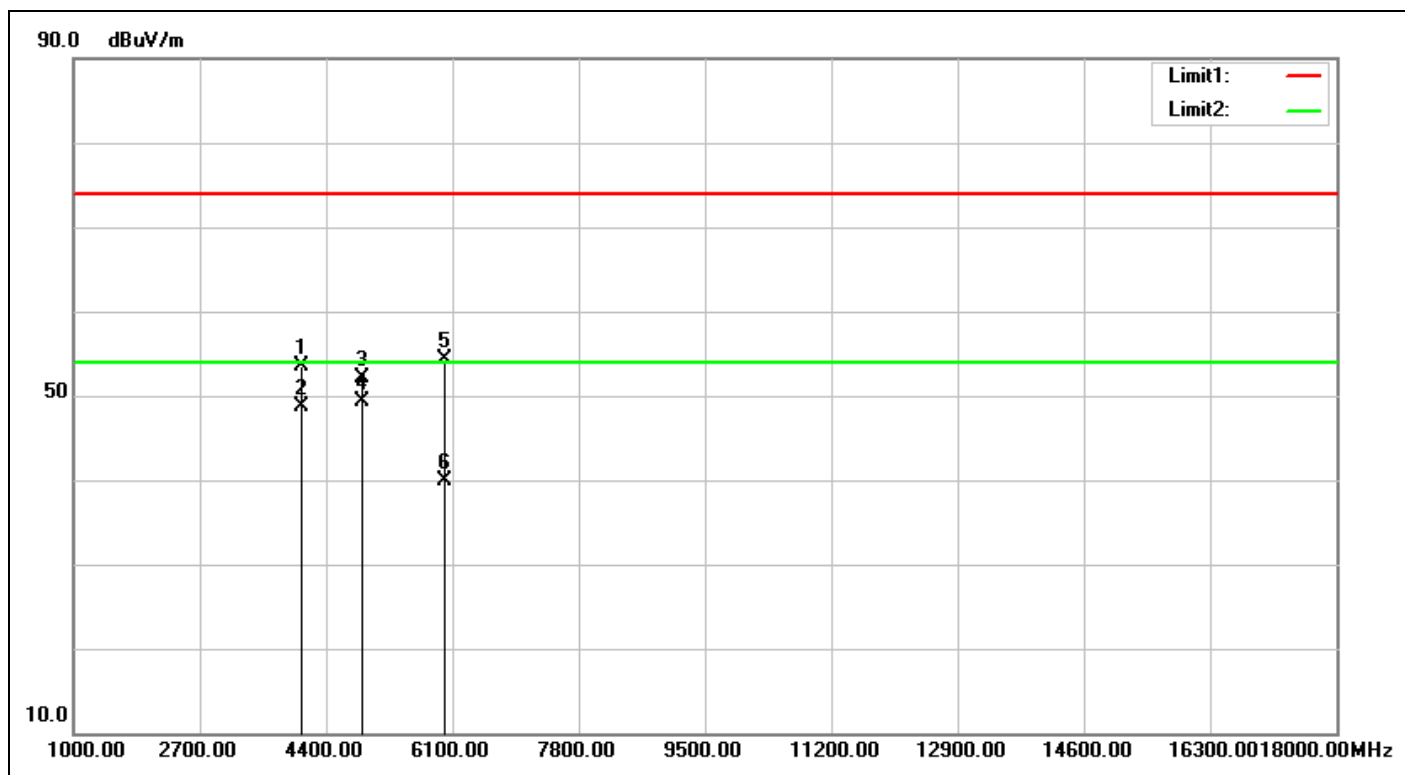
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:23:11
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4009.000	-5.40	59.14	53.74	74.00	-20.26	peak	100	0	
2	4009.000	-5.40	52.38	46.98	54.00	-7.02	AVG	100	0	
3	4824.000	-2.59	52.43	49.84	74.00	-24.16	peak	100	162	
4	5998.000	3.33	51.94	55.27	74.00	-18.73	peak	100	157	
5	5998.000	3.33	37.00	40.33	54.00	-13.67	AVG	100	157	



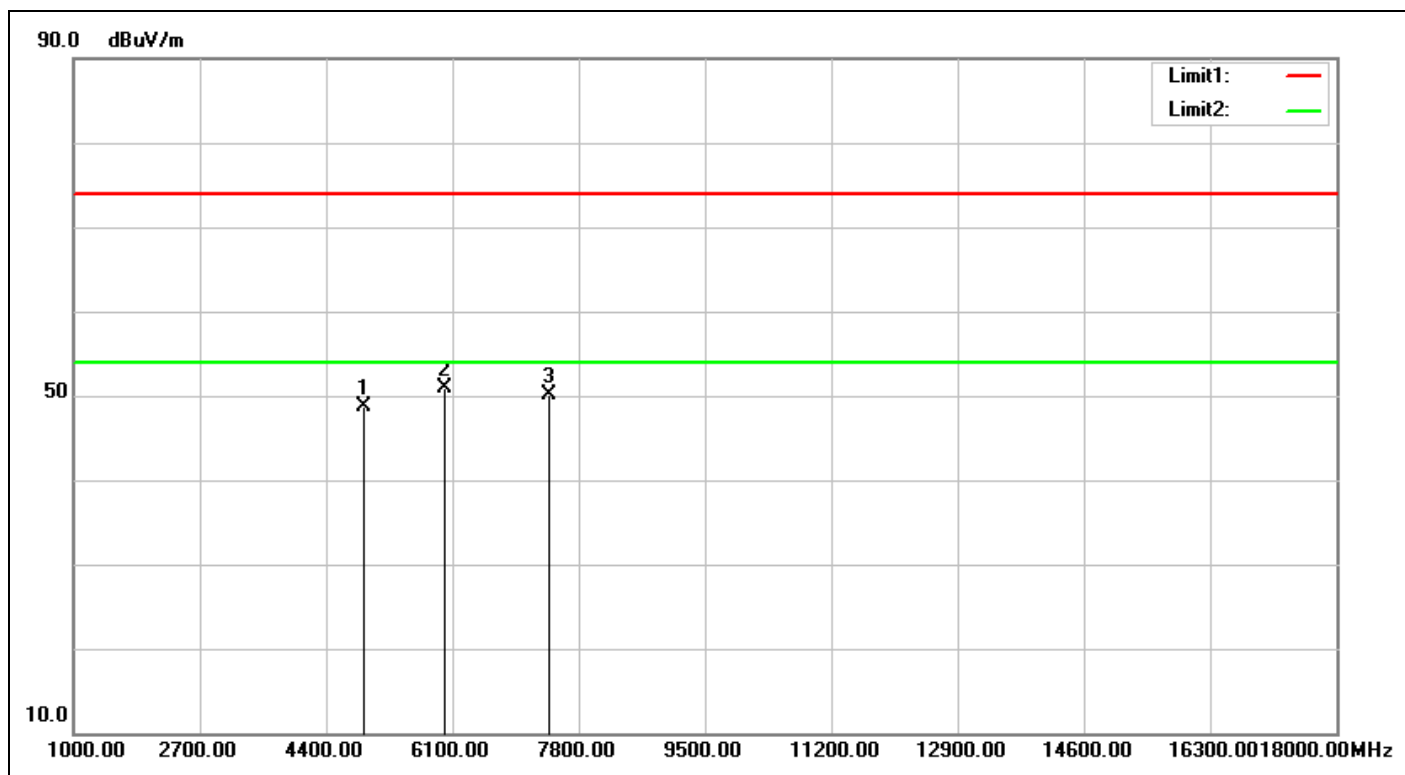
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:27:44
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3244.000	-6.34	57.37	51.03	74.00	-22.97	peak	100	42	
2	4874.000	-2.46	53.41	50.95	74.00	-23.05	peak	100	188	
3	7311.000	5.50	44.12	49.62	74.00	-24.38	peak	100	209	



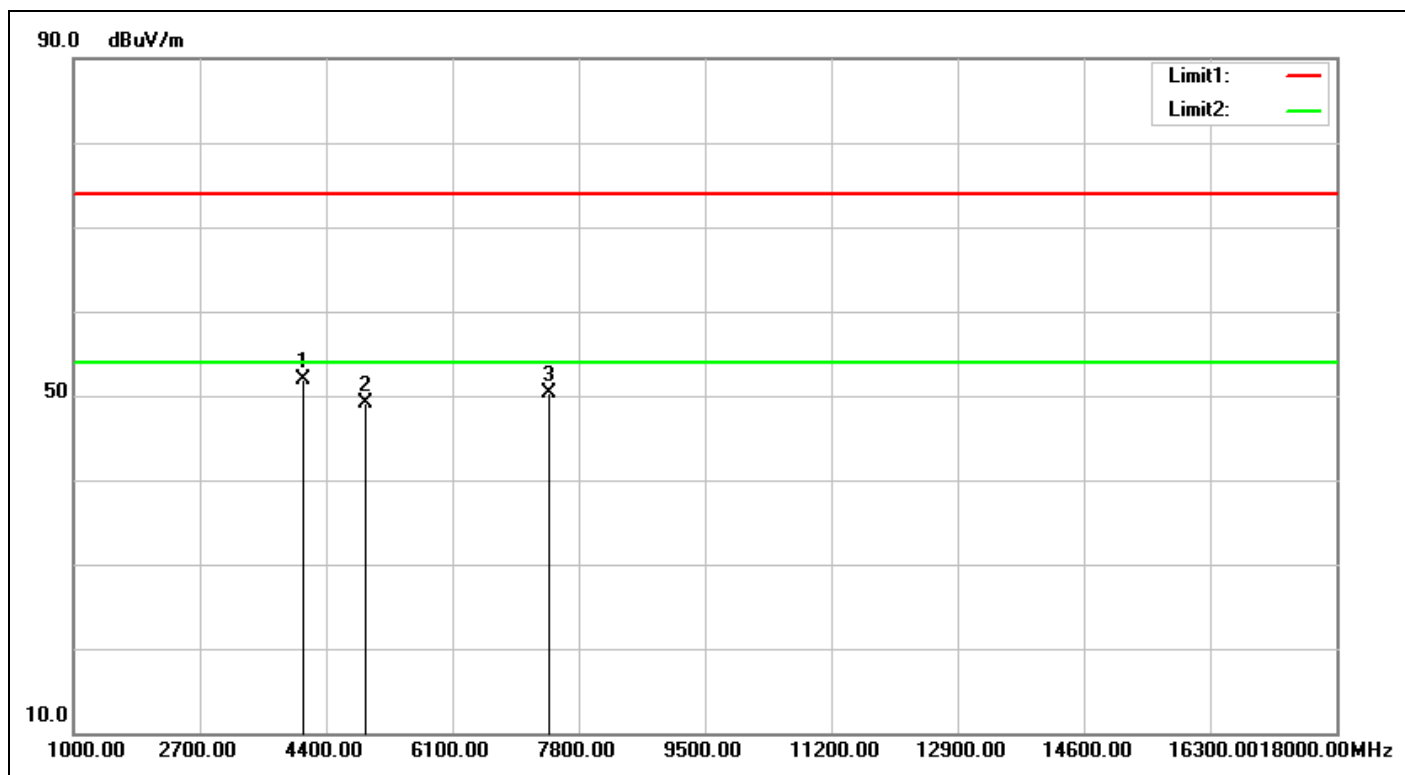
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:28:36
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4060.000	-5.20	58.74	53.54	74.00	-20.46	peak	100	0	
2	4060.000	-5.20	53.91	48.71	54.00	-5.29	AVG	100	0	
3	4874.000	-2.46	54.49	52.03	74.00	-21.97	peak	100	31	
4	4874.000	-2.46	51.71	49.25	54.00	-4.75	AVG	100	31	
5	5998.000	3.33	50.88	54.21	74.00	-19.79	peak	100	99	
6	5998.000	3.33	36.54	39.87	54.00	-14.13	AVG	100	99	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:33:00
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	51.02	48.70	74.00	-25.30	peak	100	182	
2	5998.000	3.33	47.66	50.99	74.00	-23.01	peak	100	106	
3	7386.000	5.67	44.36	50.03	74.00	-23.97	peak	100	213	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:33:52
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4094.000	-5.07	56.99	51.92	74.00	-22.08	peak	100	2	
2	4924.000	-2.32	51.46	49.14	74.00	-24.86	peak	100	278	
3	7386.000	5.67	44.70	50.37	74.00	-23.63	peak	100	170	

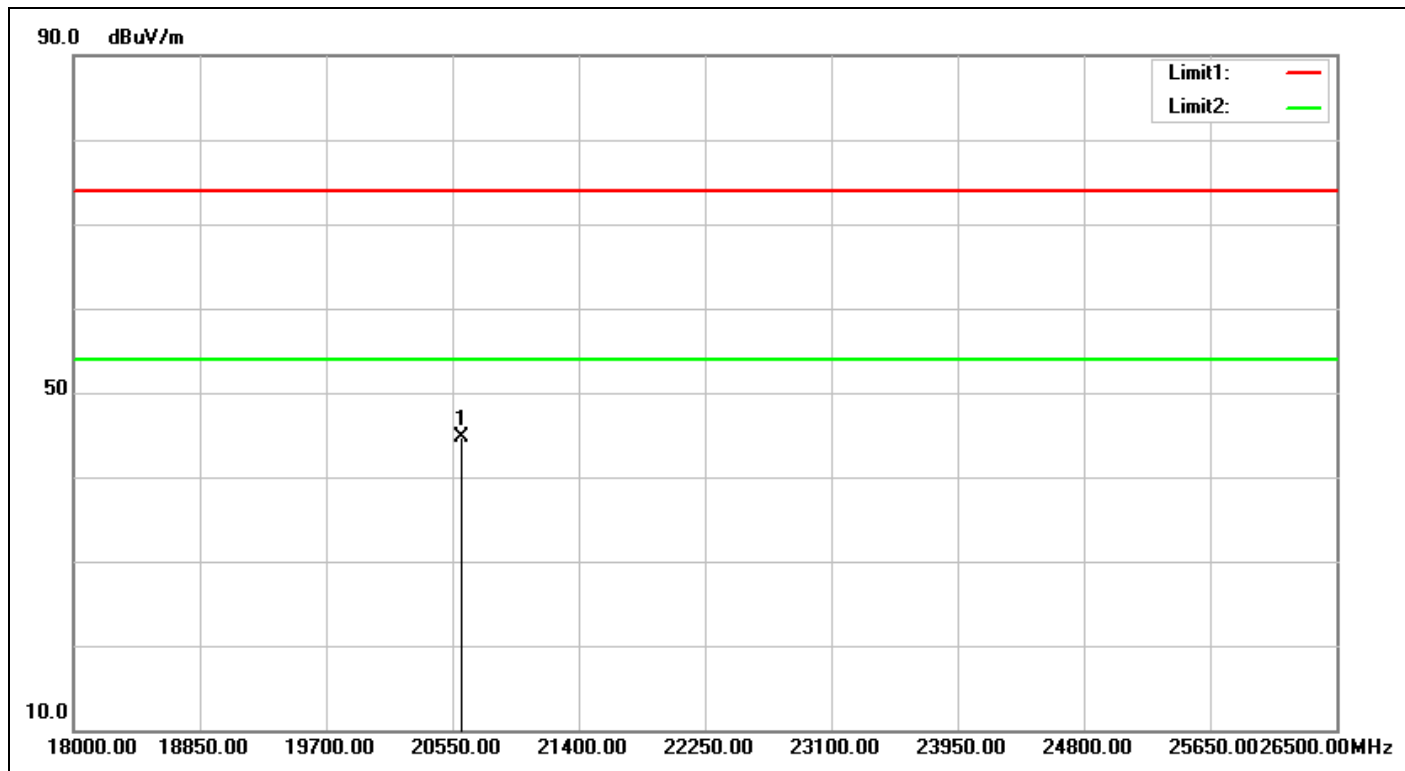
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

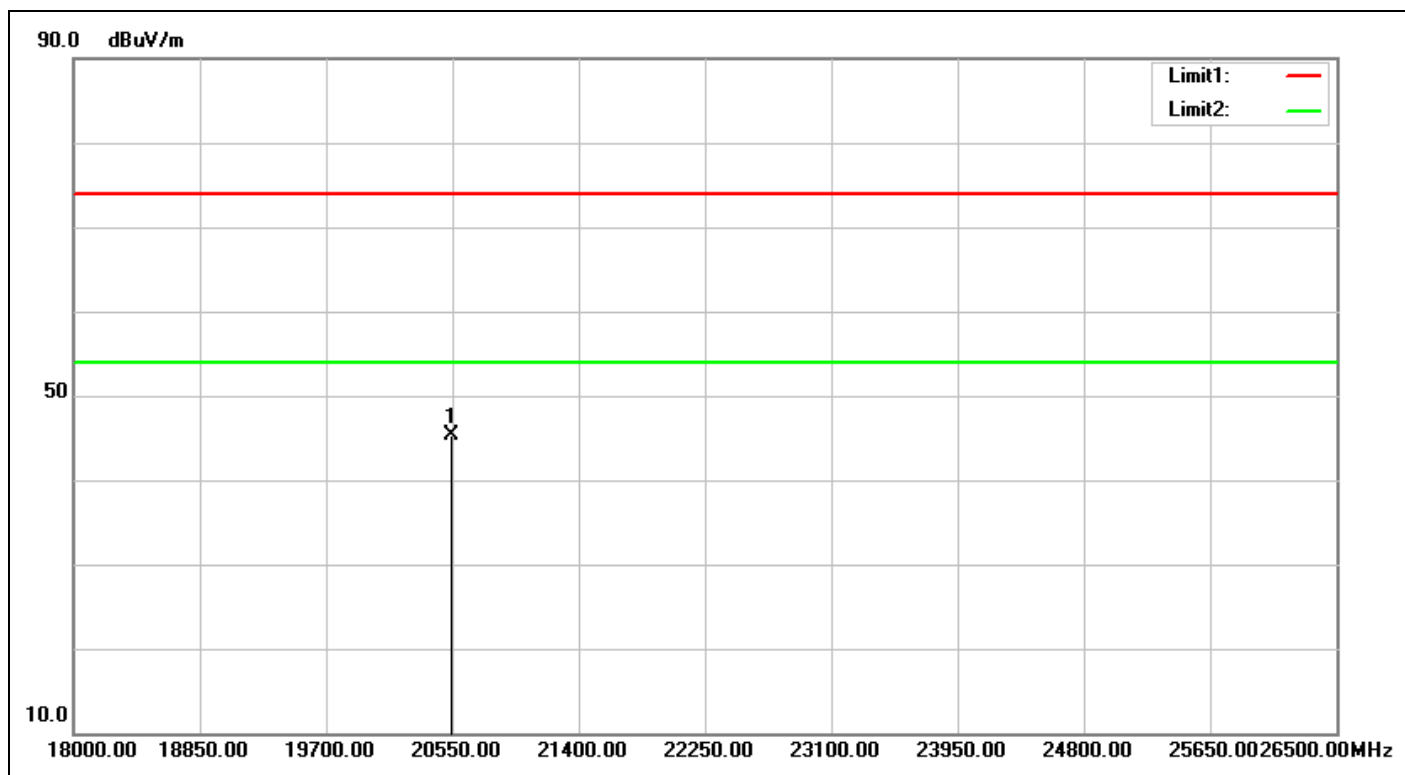
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



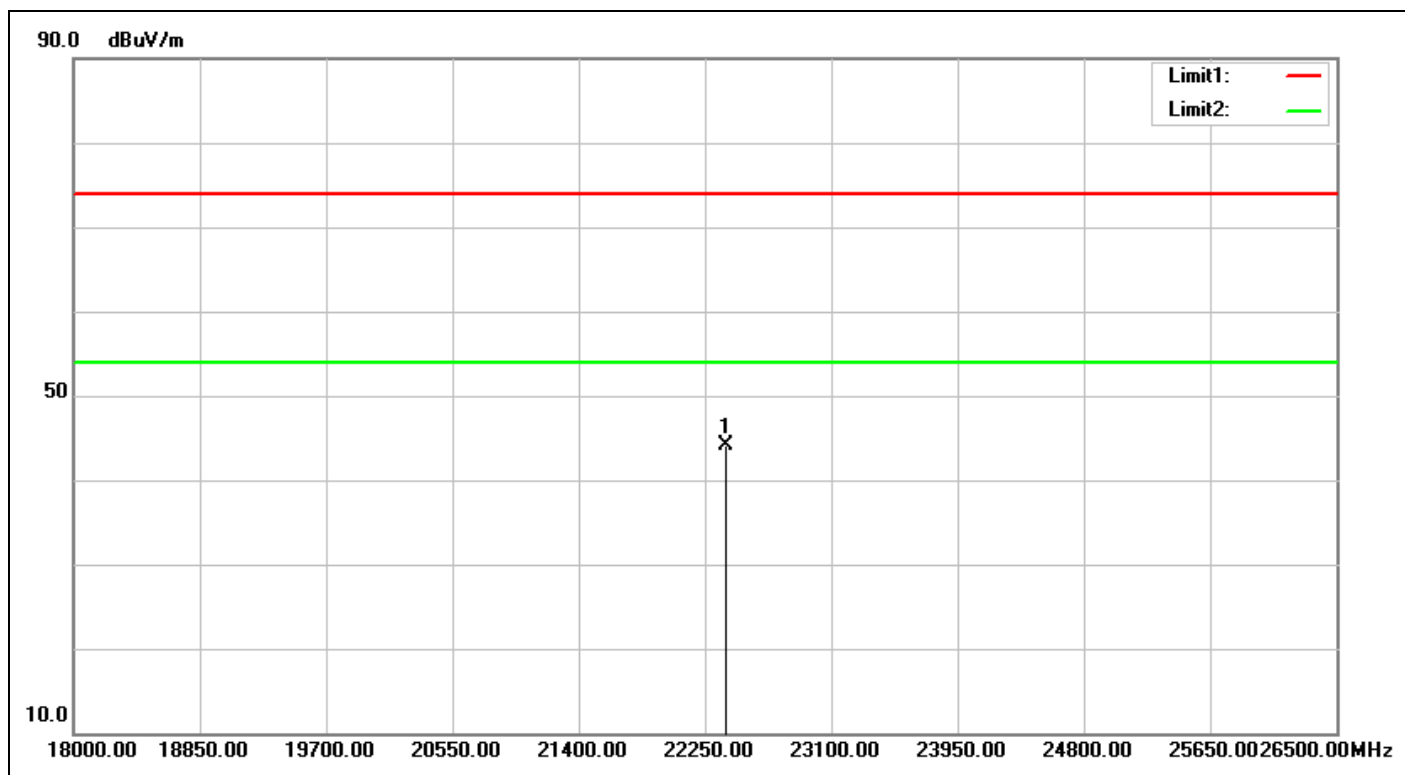
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:56:30
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20609.500	4.32	40.45	44.77	74.00	-29.23	peak	100	249	



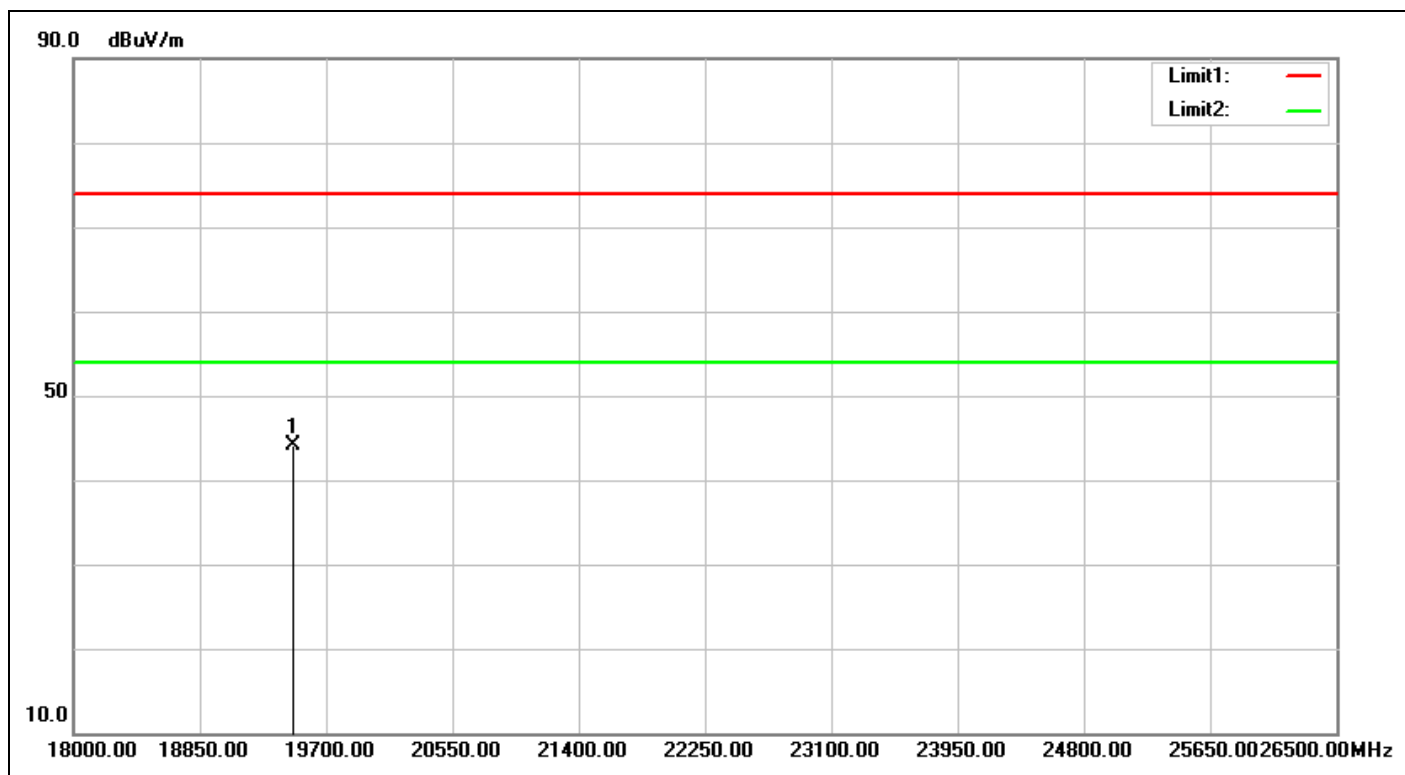
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:56:45
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20541.500	4.24	41.05	45.29	74.00	-28.71	peak	100	138	



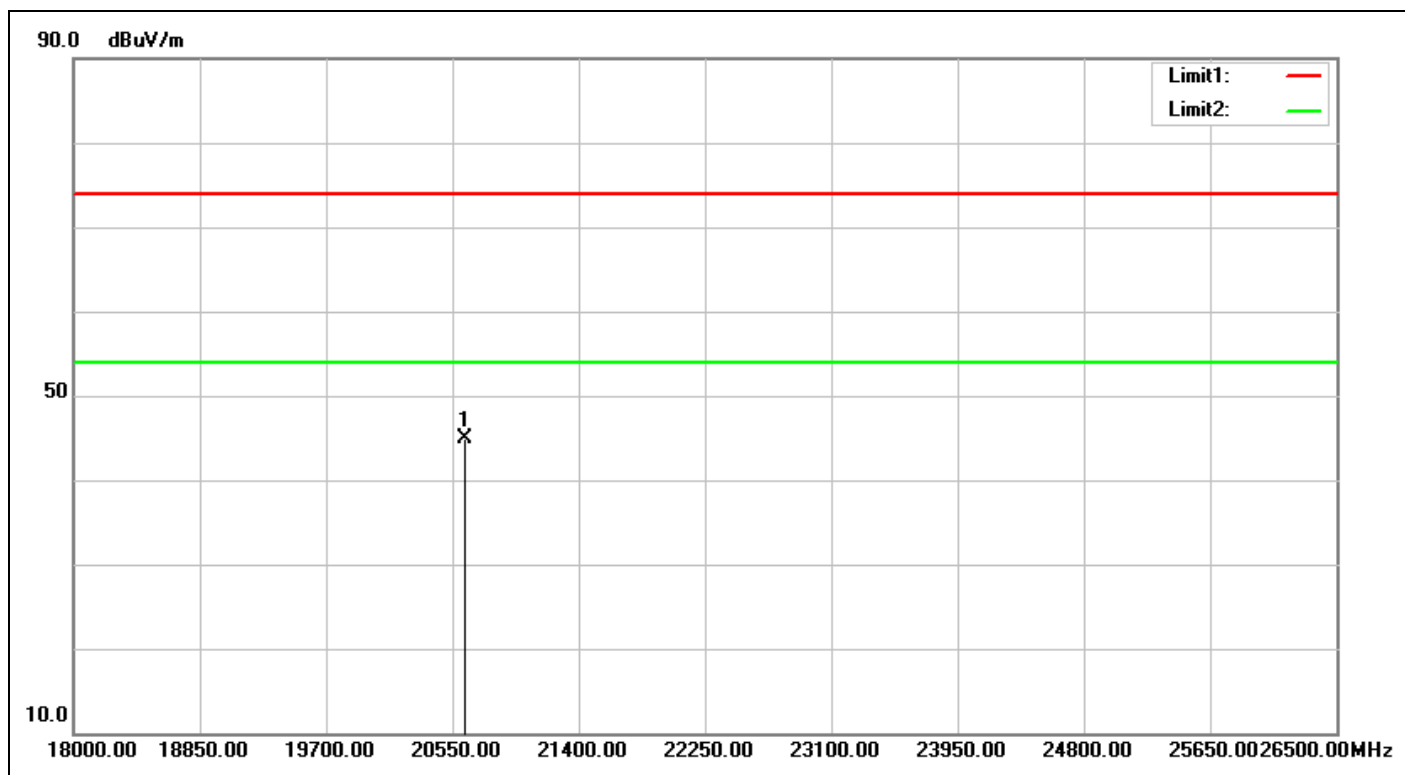
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:57:09
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22394.500	4.53	39.62	44.15	74.00	-29.85	peak	100	152	



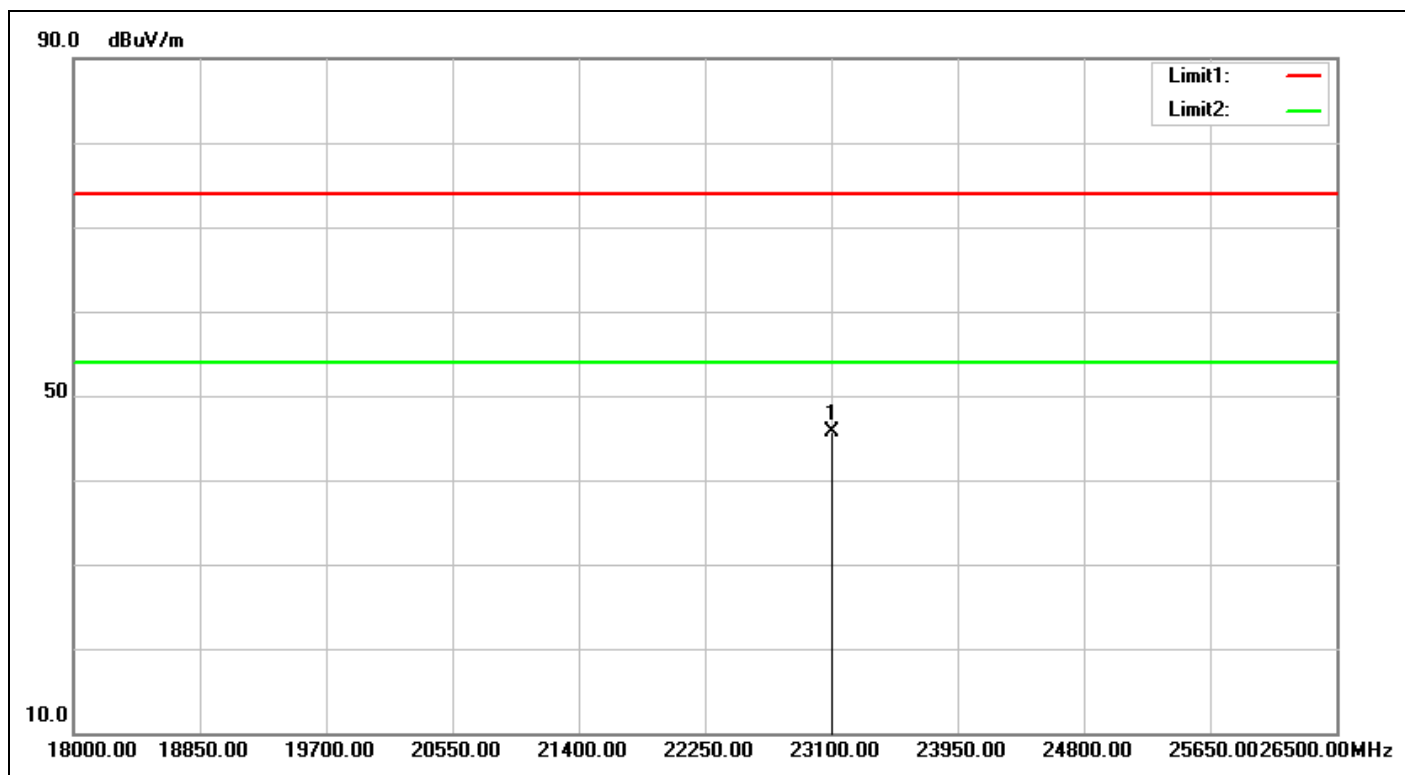
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:57:20
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19479.000	3.84	40.28	44.12	74.00	-29.88	peak	100	193	



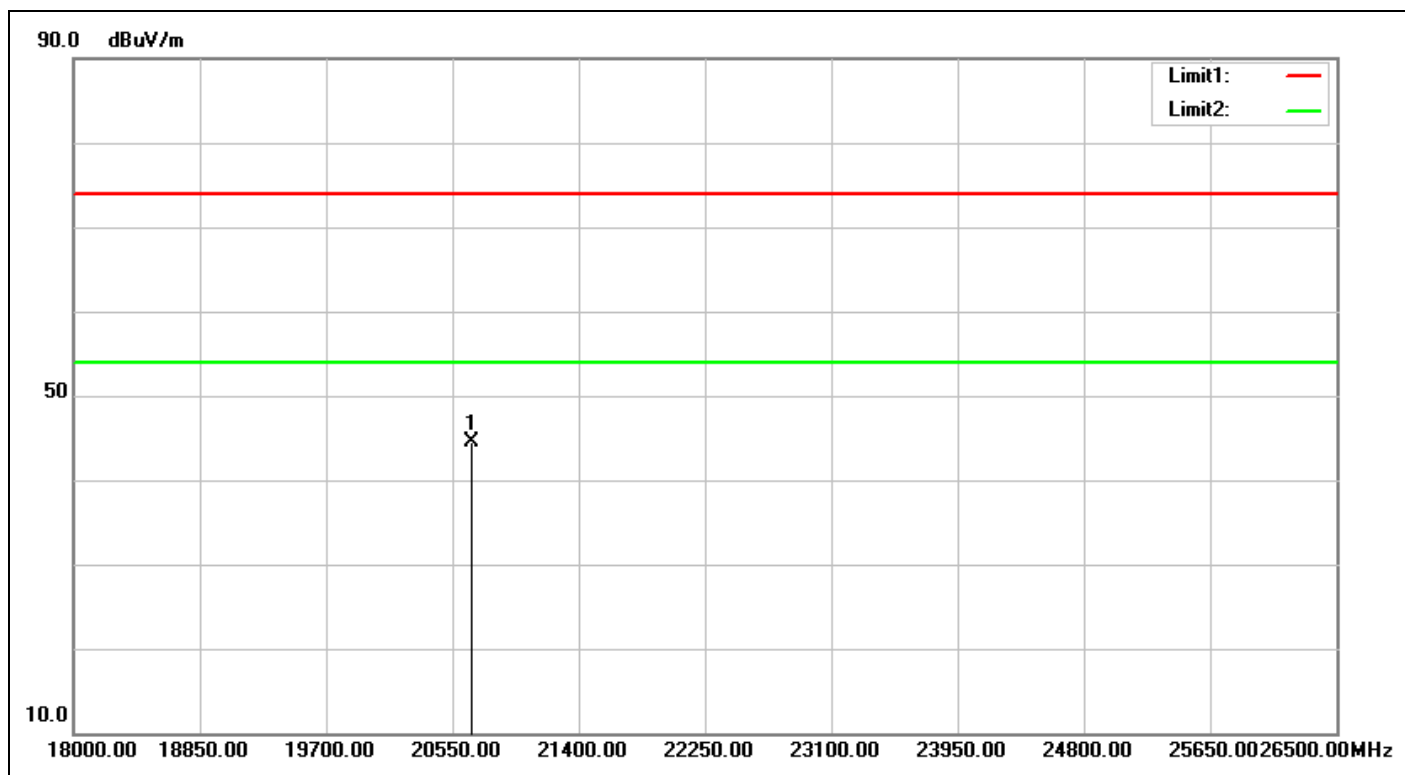
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:57:41
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20635.000	4.35	40.64	44.99	74.00	-29.01	peak	100	111	



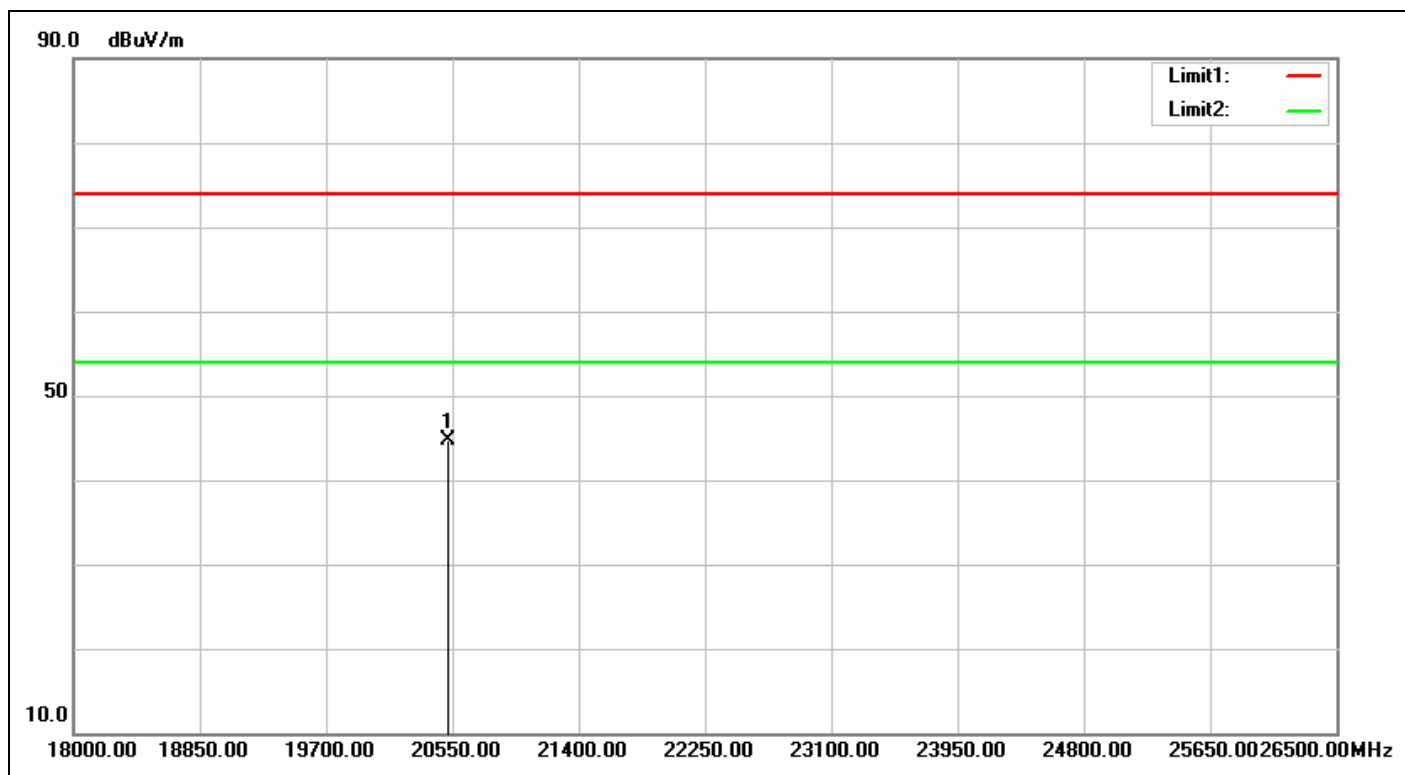
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:57:52
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23100.000	5.42	40.24	45.66	74.00	-28.34	peak	100	197	



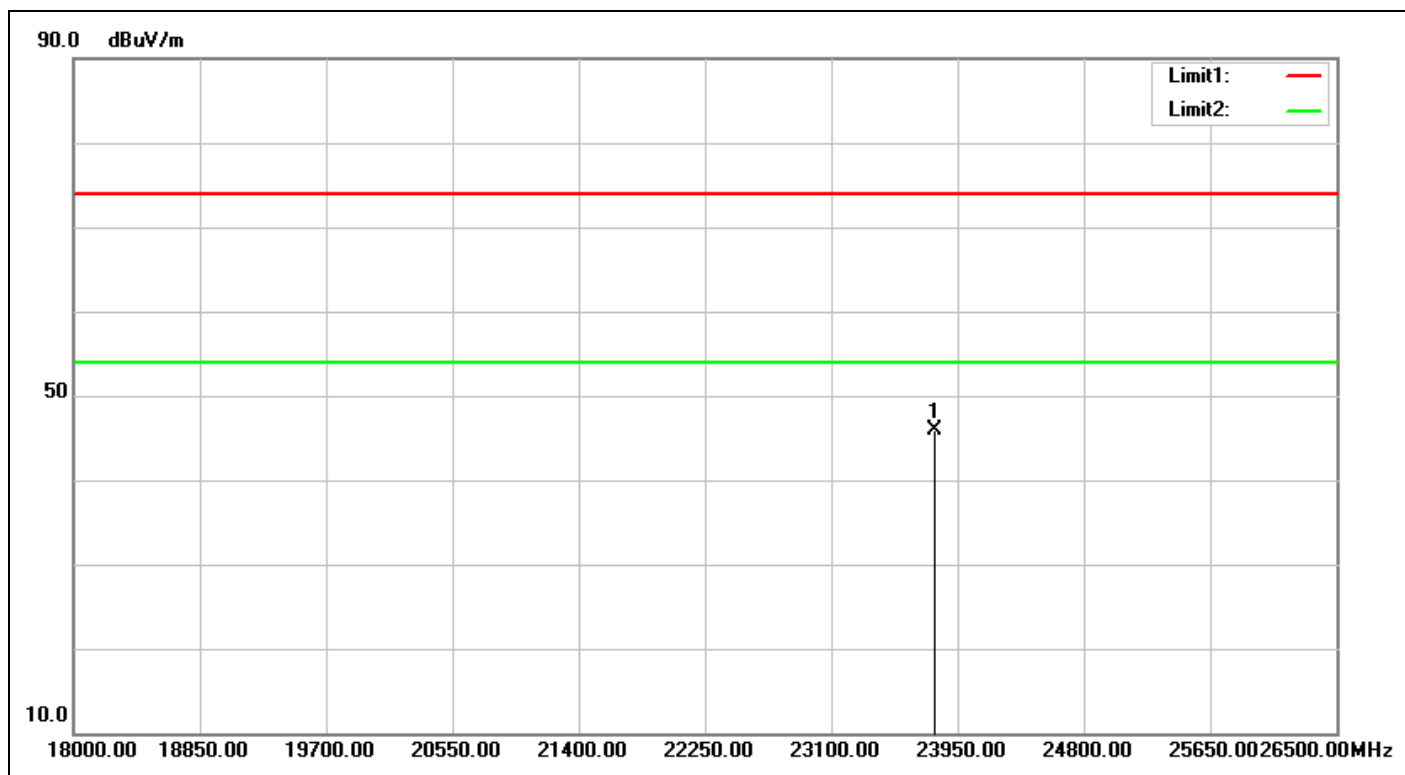
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:58:16
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20677.500	4.41	40.19	44.60	74.00	-29.40	peak	100	174	



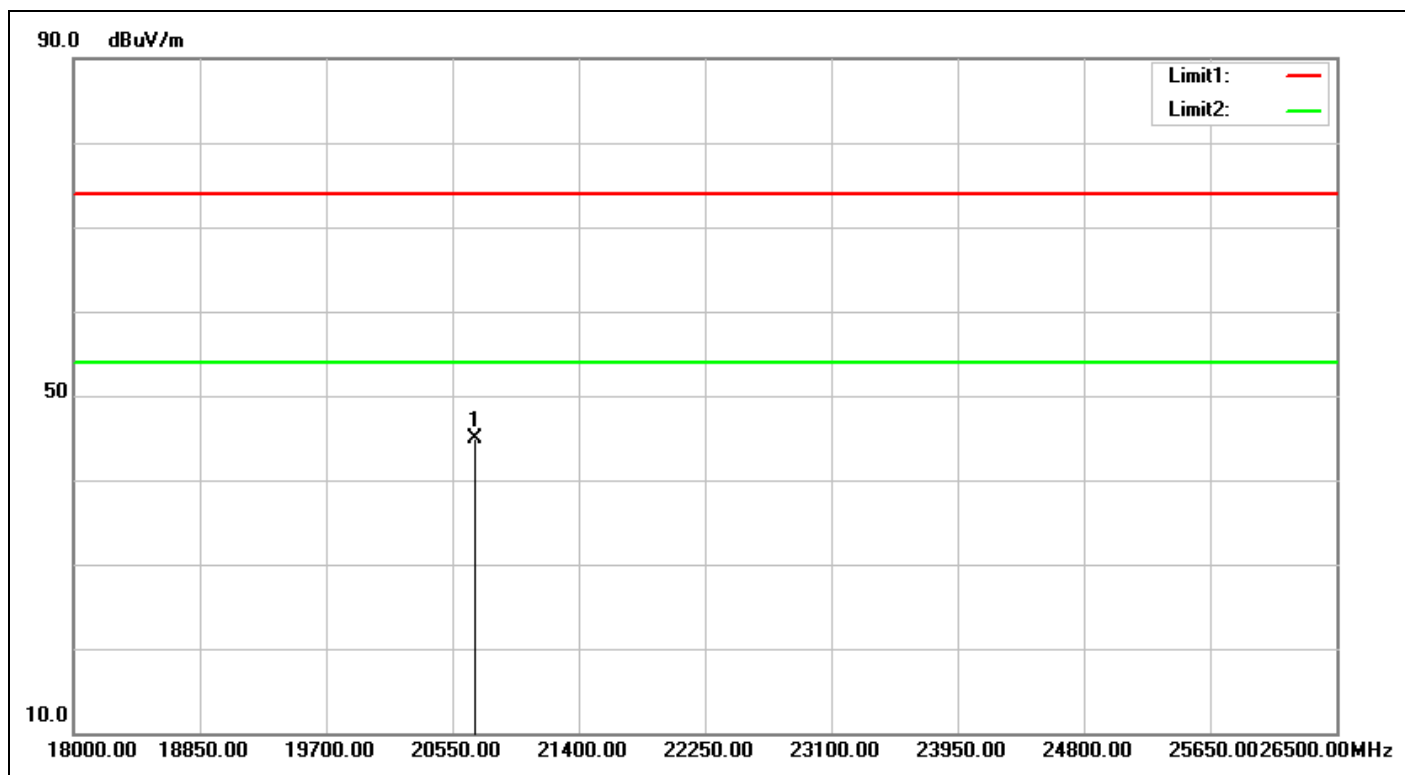
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:58:28
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20516.000	4.21	40.56	44.77	74.00	-29.23	peak	100	164	



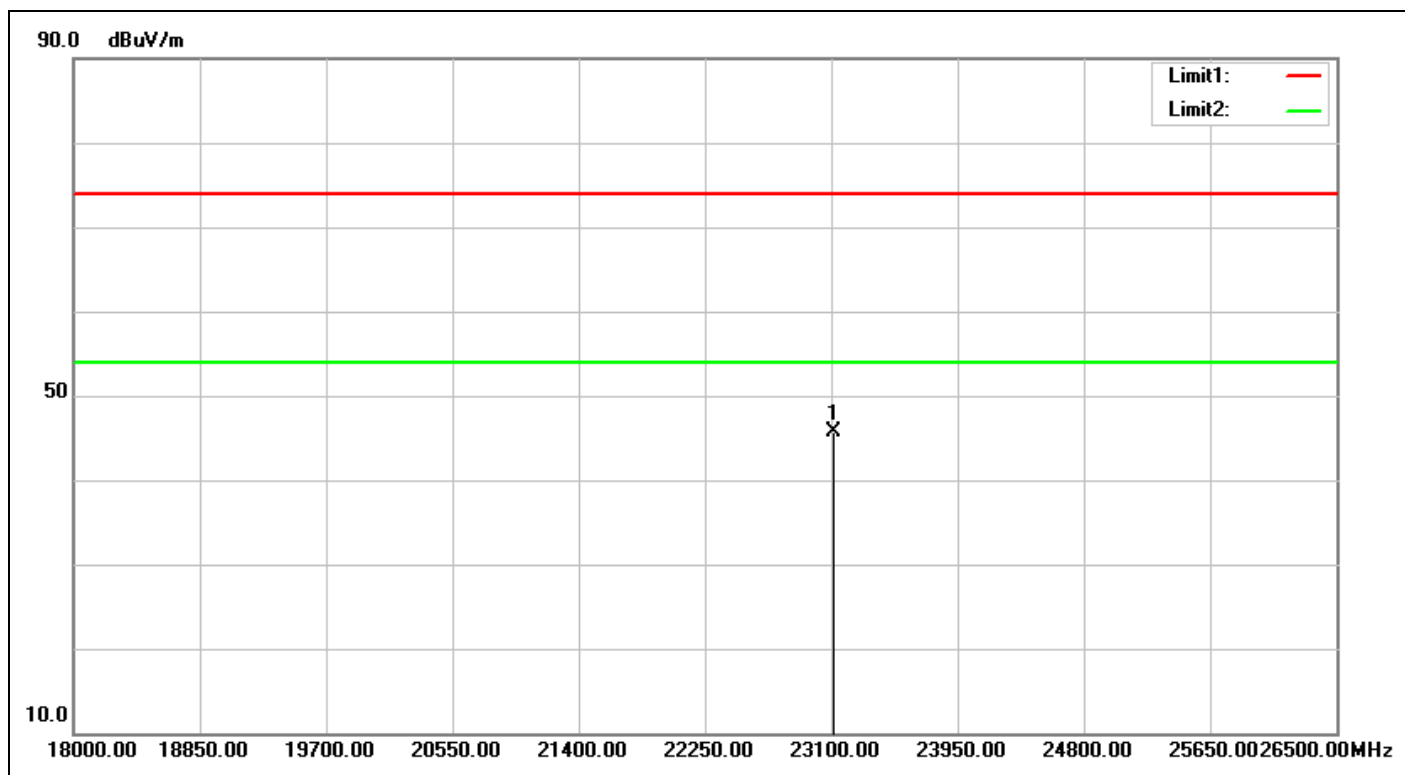
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:58:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23797.000	5.61	40.30	45.91	74.00	-28.09	peak	100	166	



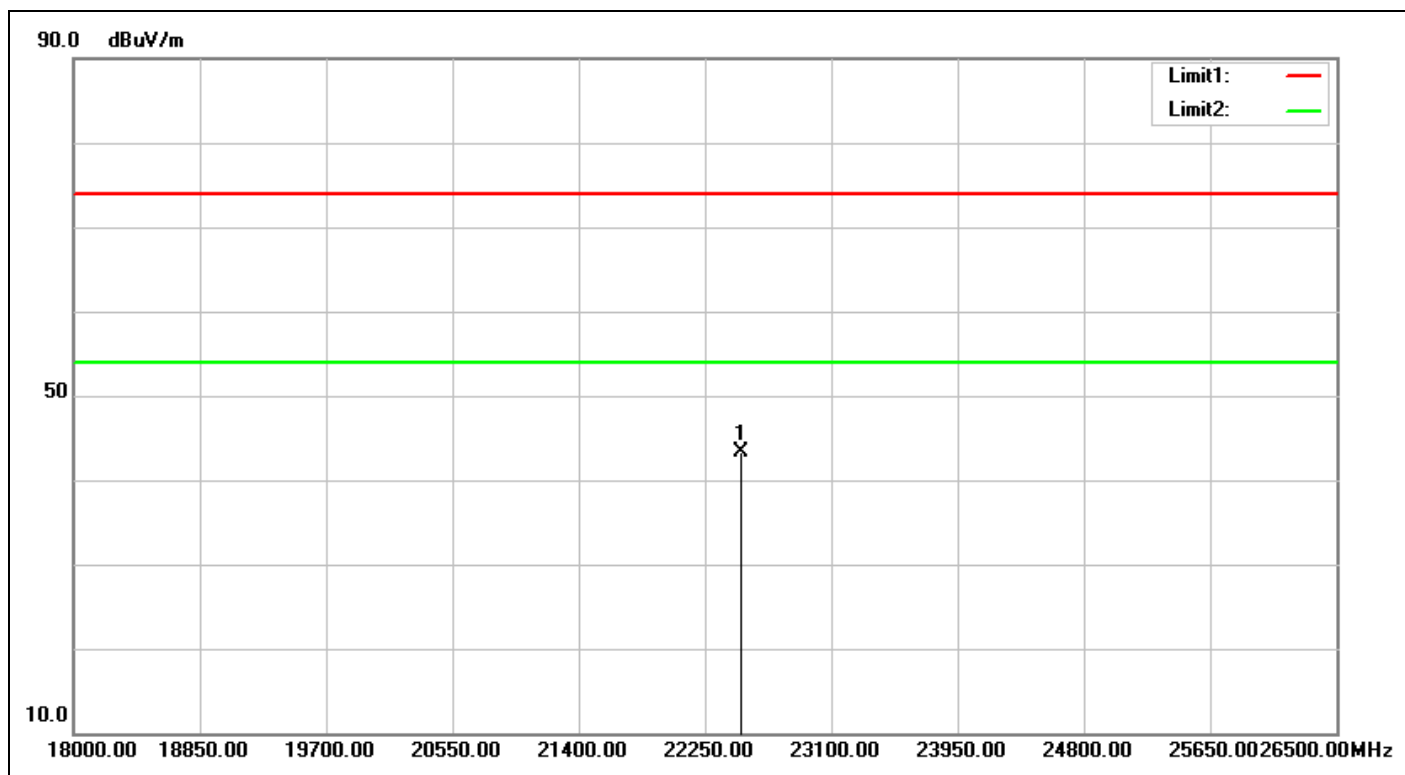
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:58:57
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20703.000	4.43	40.38	44.81	74.00	-29.19	peak	100	176	



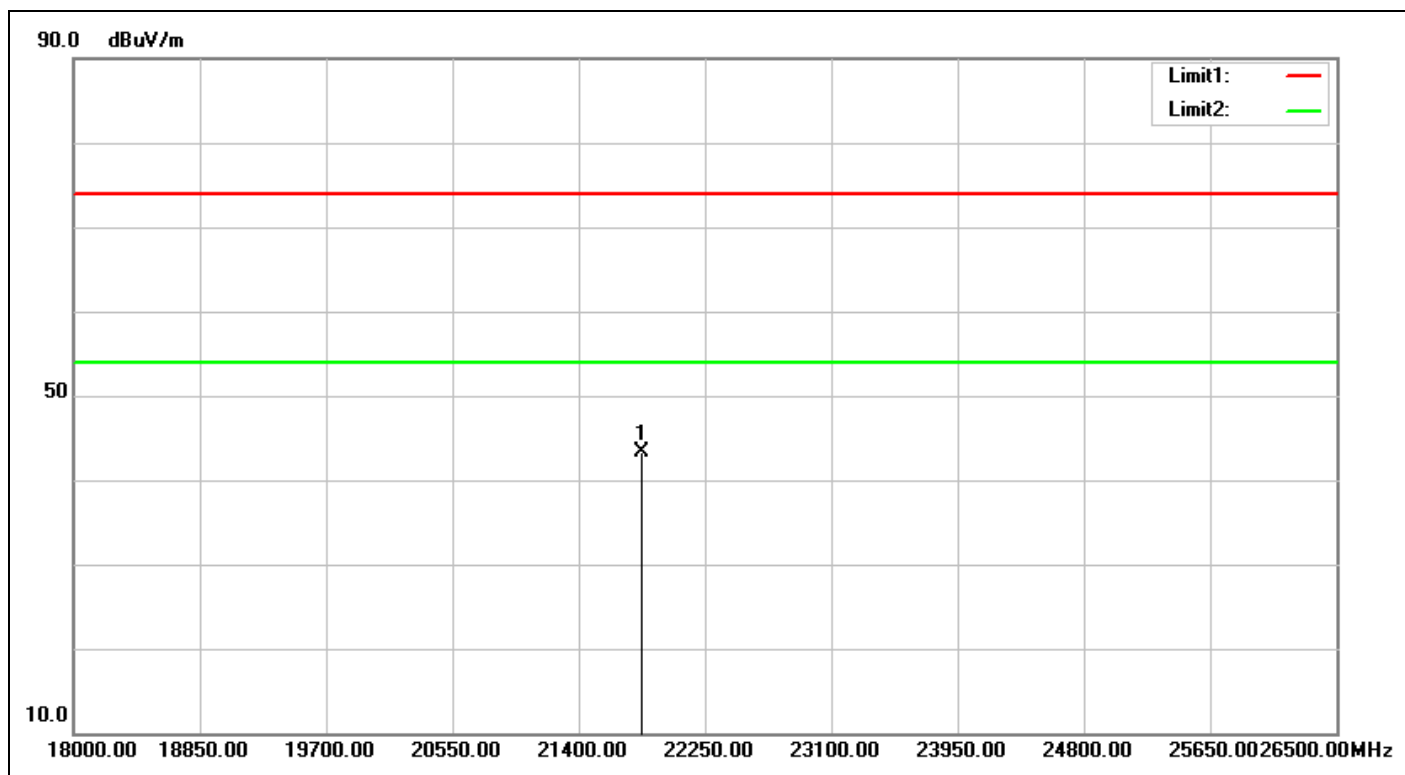
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:59:16
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23117.000	5.44	40.22	45.66	74.00	-28.34	peak	100	138	



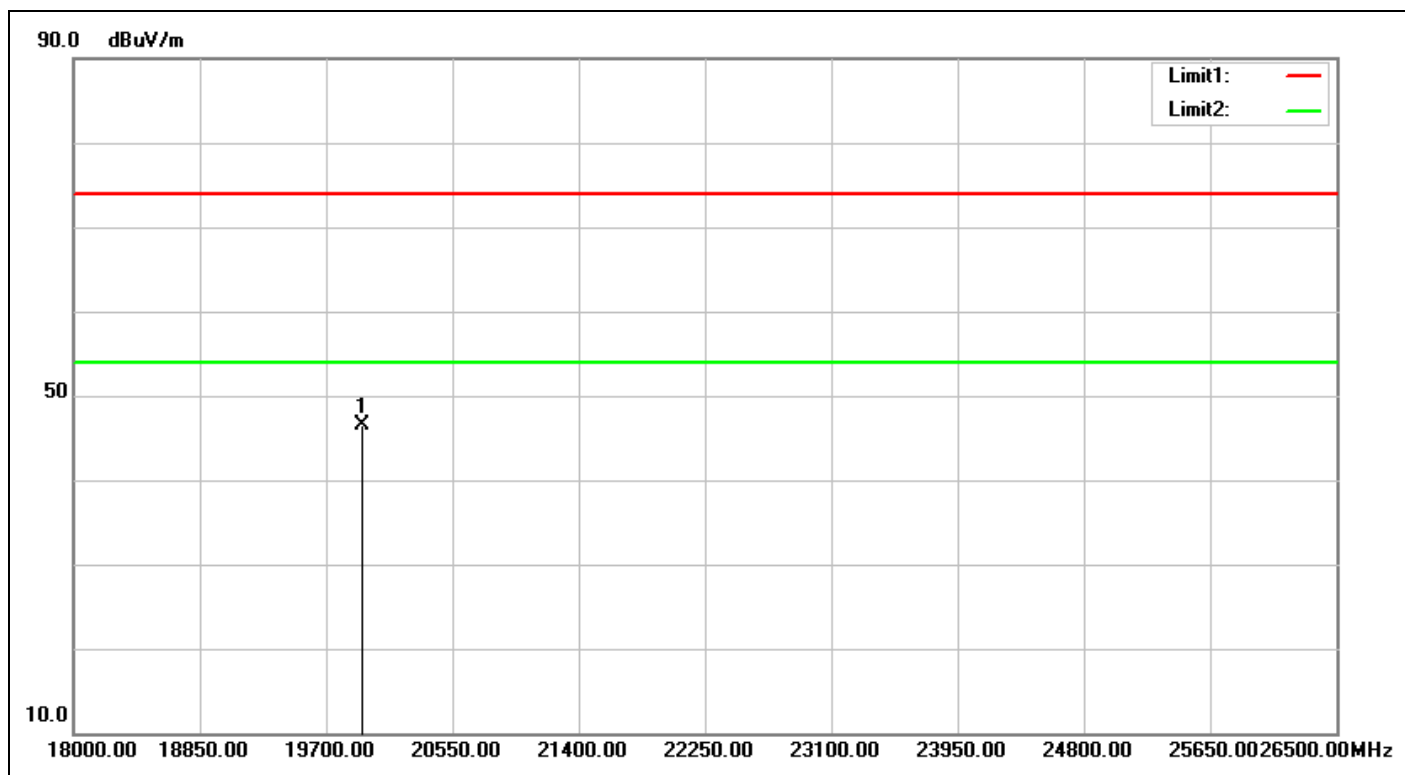
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:59:29
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22488.000	4.64	38.75	43.39	74.00	-30.61	peak	100	196	



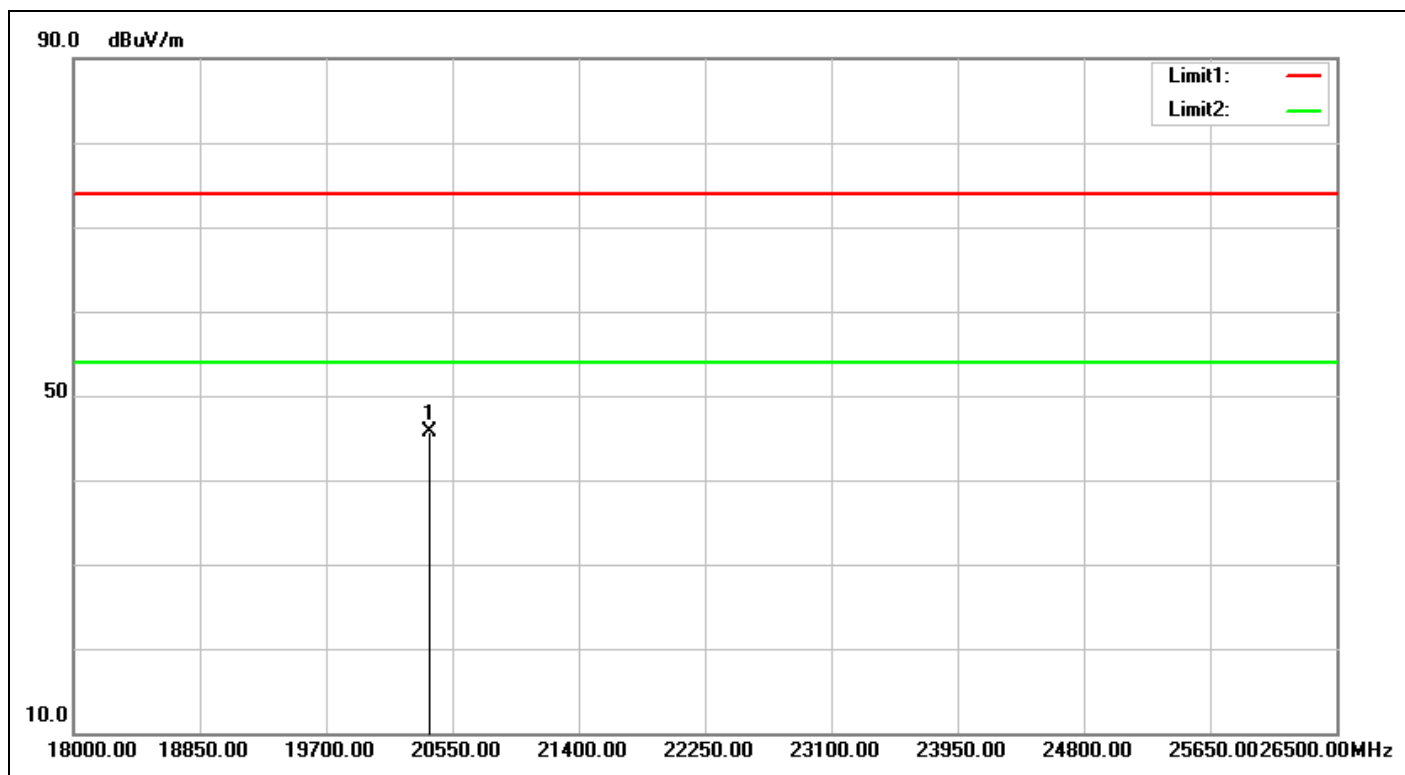
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:59:50
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21825.000	4.16	39.20	43.36	74.00	-30.64	peak	100	174	



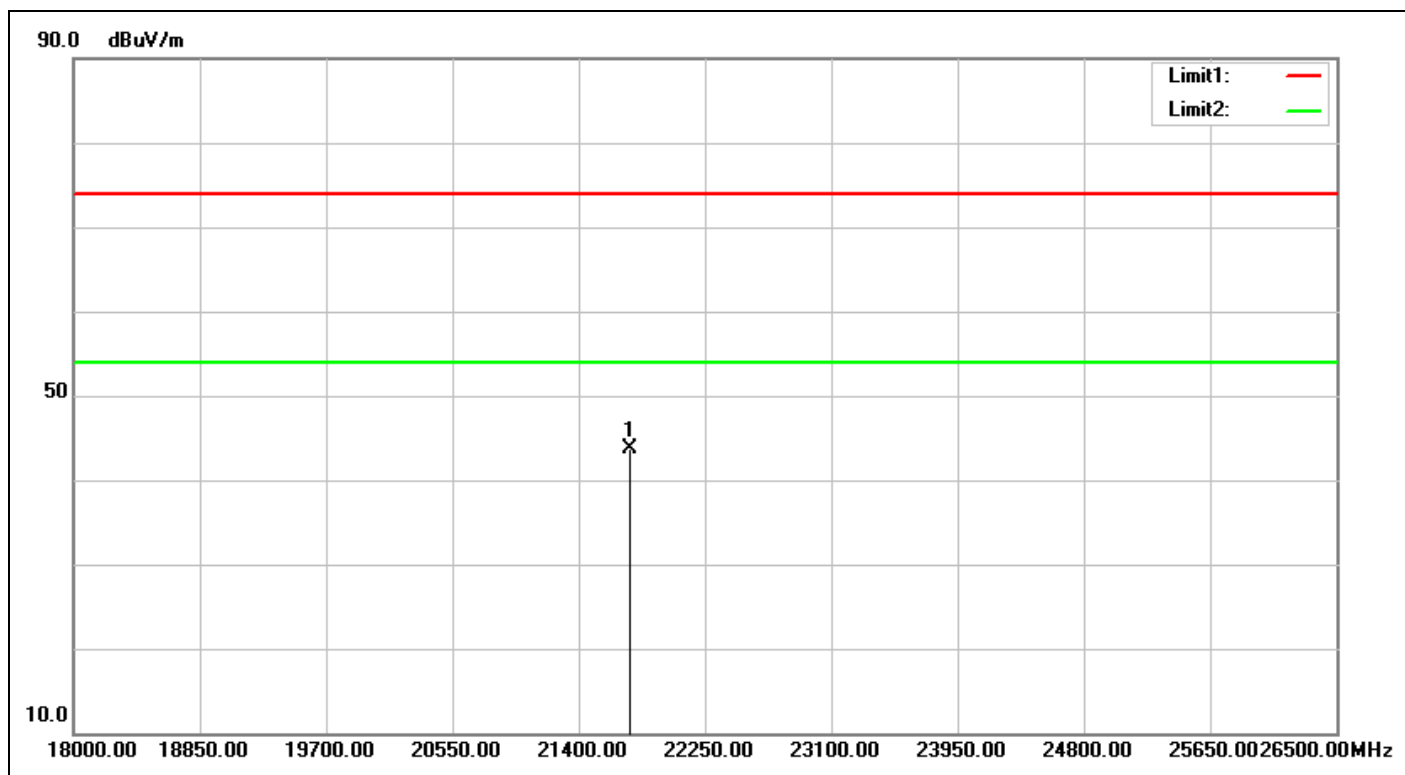
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 19:00:02
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19946.500	4.22	42.34	46.56	74.00	-27.44	peak	100	133	



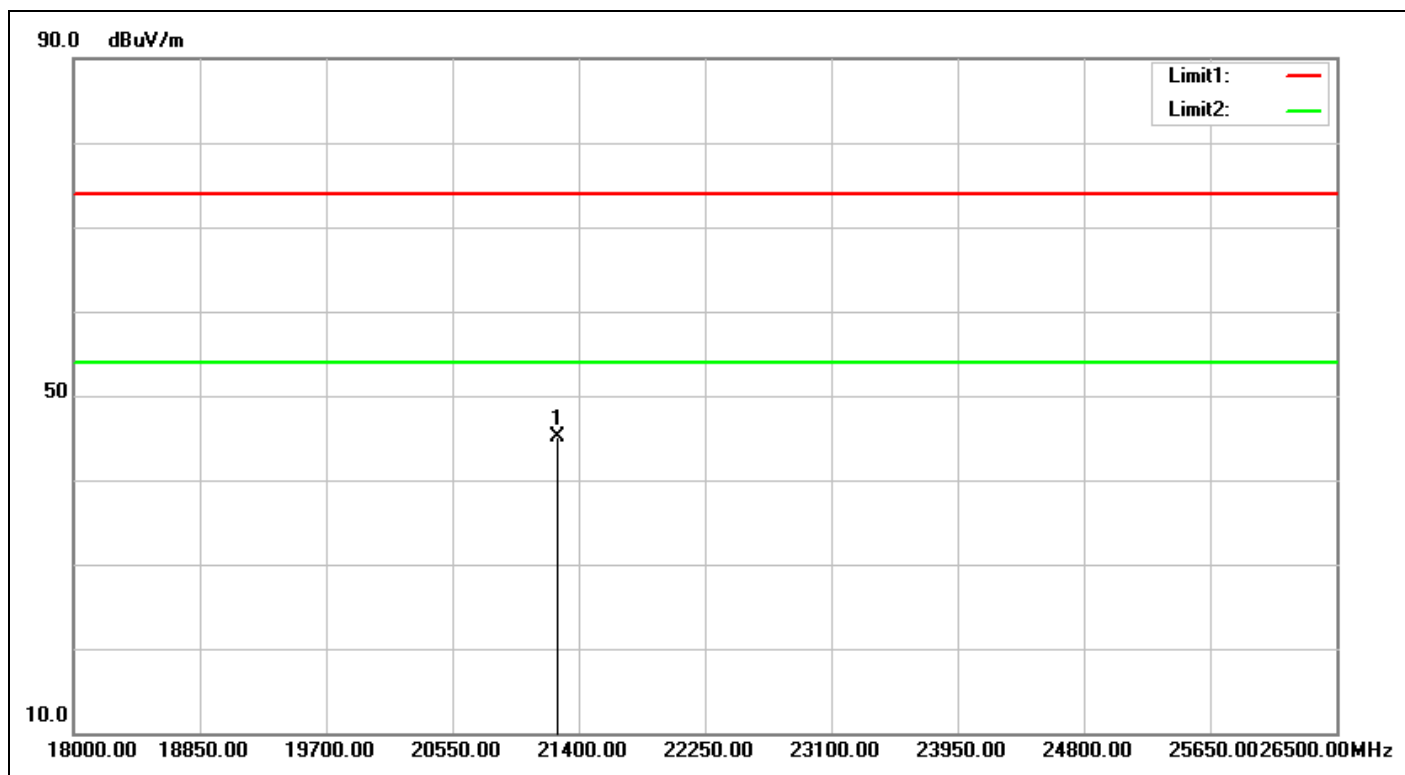
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 19:00:21
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20397.000	4.20	41.52	45.72	74.00	-28.28	peak	100	196	



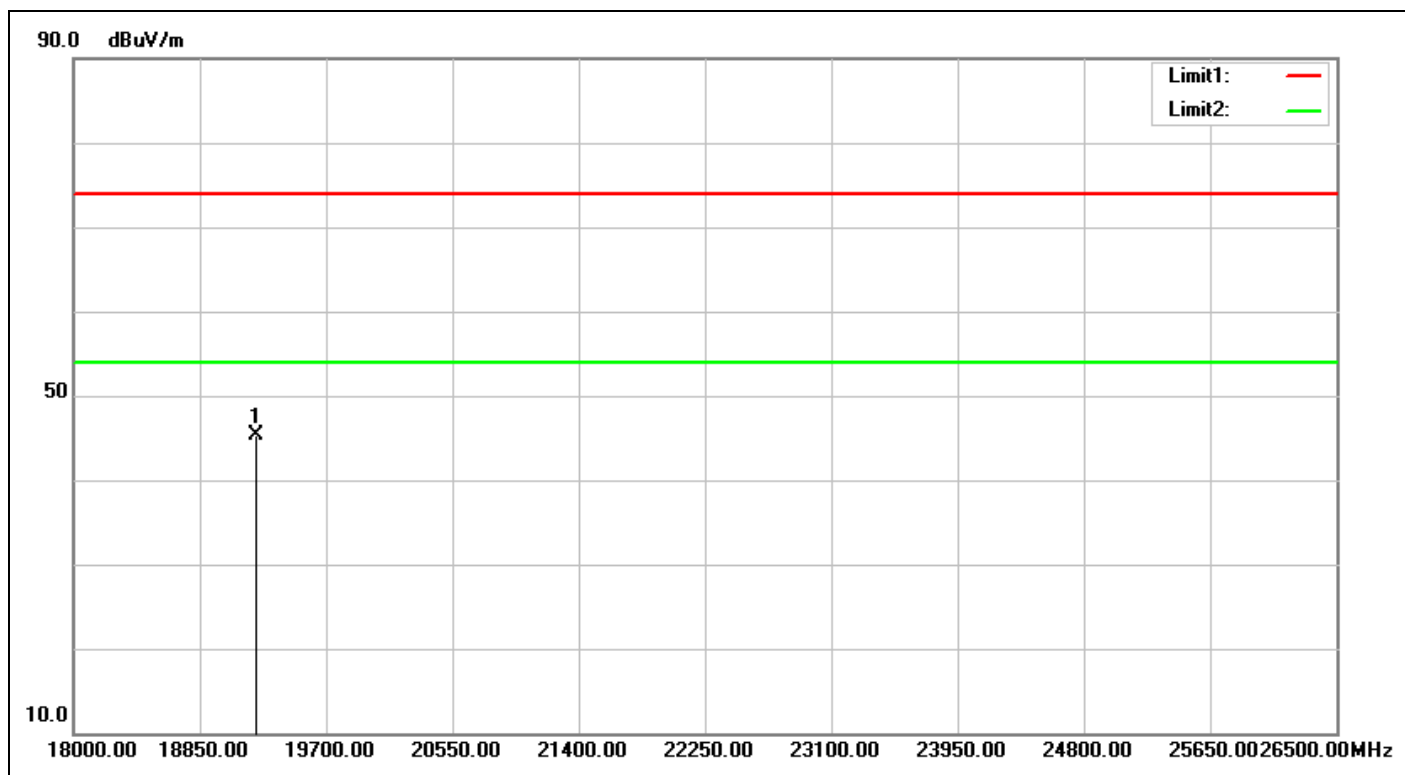
Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 19:00:34
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21740.000	4.21	39.50	43.71	74.00	-30.29	peak	100	116	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 19:00:53
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21255.500	4.55	40.51	45.06	74.00	-28.94	peak	100	243	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 19:01:04
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19232.500	4.13	41.10	45.23	74.00	-28.77	peak	100	30	

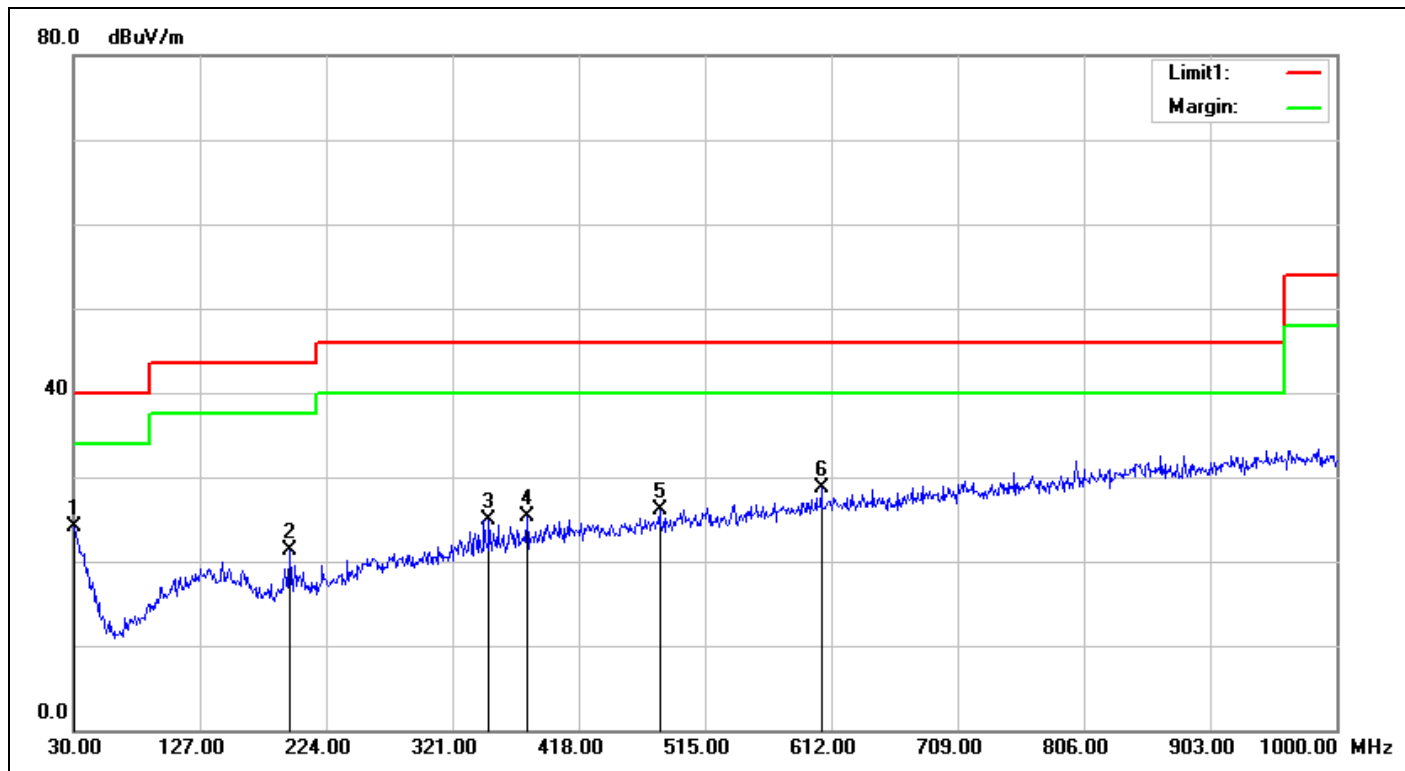
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

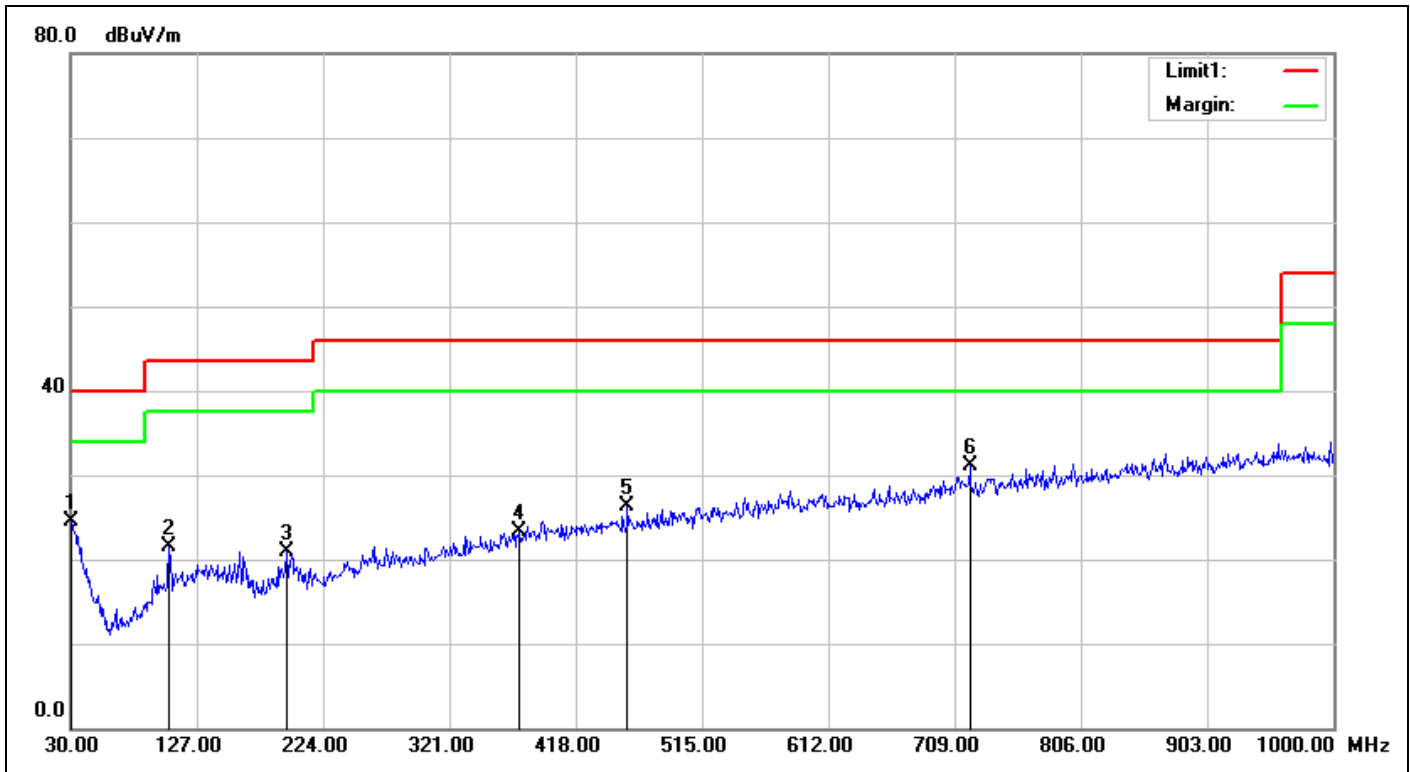
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/7 09:39:02
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.51	24.68	24.17	40.00	-15.83	QP	100	287	
2	195.8700	-9.11	30.34	21.23	43.50	-22.27	QP	100	263	
3	349.1300	-3.35	28.26	24.91	46.00	-21.09	QP	100	218	
4	378.2300	-2.80	28.19	25.39	46.00	-20.61	QP	100	94	
5	480.0800	-1.50	27.55	26.05	46.00	-19.95	QP	100	220	
6	604.2400	0.26	28.48	28.74	46.00	-17.26	QP	100	249	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/7 09:40:05
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.51	24.98	24.47	40.00	-15.53	QP	100	69	
2	105.6600	-8.64	30.23	21.59	43.50	-21.91	QP	100	32	
3	195.8700	-9.11	29.94	20.83	43.50	-22.67	QP	100	360	
4	374.3500	-2.88	26.23	23.35	46.00	-22.65	QP	100	307	
5	457.7700	-1.91	28.29	26.38	46.00	-19.62	QP	100	157	
6	720.6400	1.85	29.20	31.05	46.00	-14.95	QP	100	344	

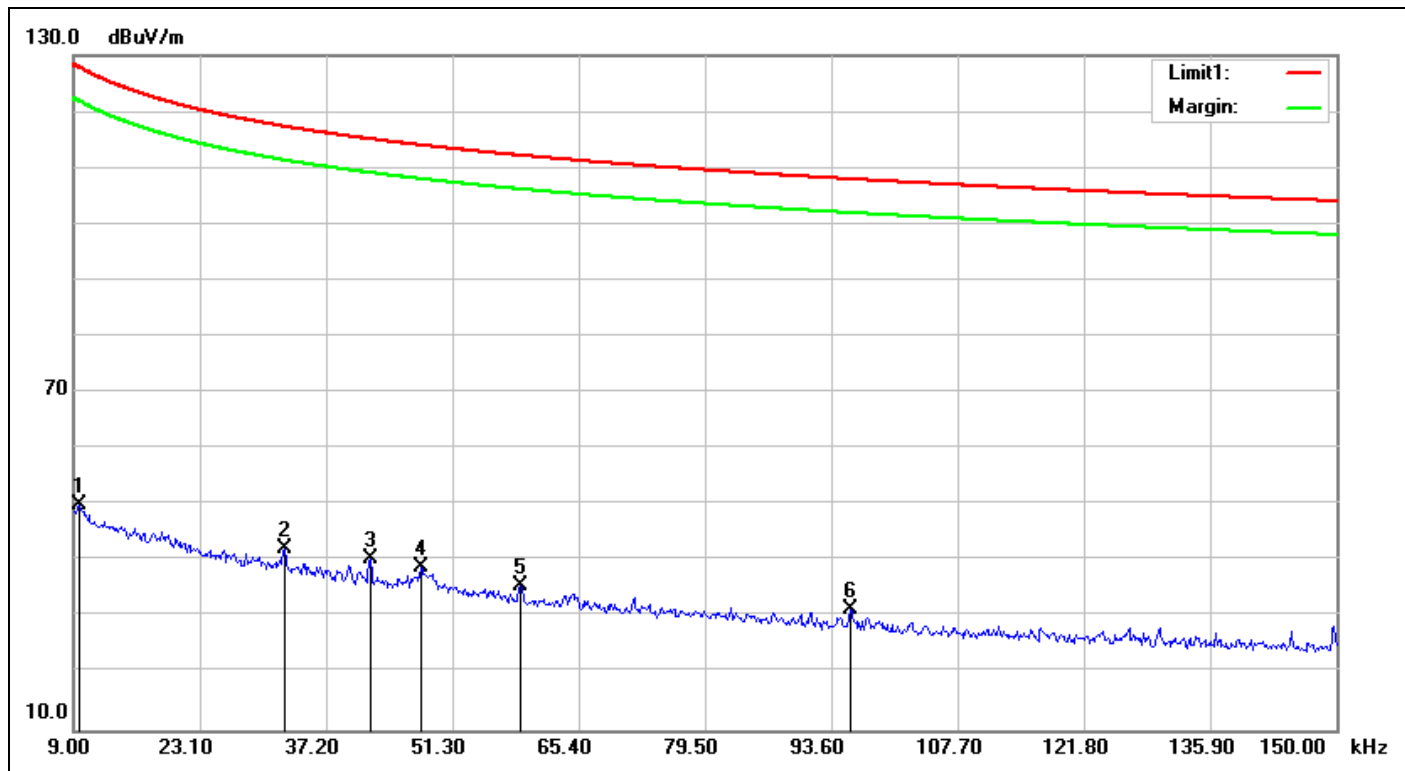
Spurious Emissions, TX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

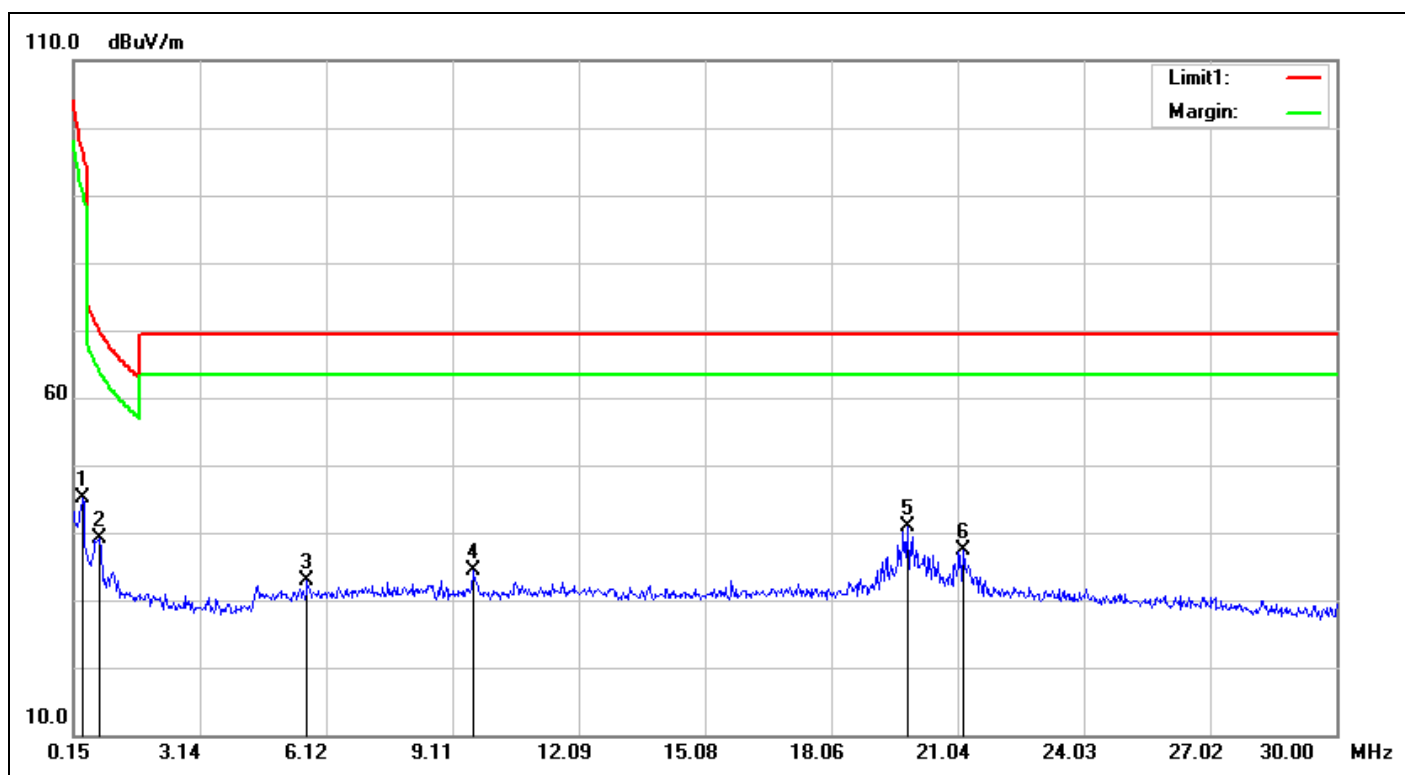
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/7 09:48:42
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0095	18.42	31.54	49.96	128.03	-78.07	QP	100	38	
2	0.0325	19.27	22.87	42.14	117.35	-75.21	QP	100	193	
3	0.0421	19.08	21.48	40.56	115.11	-74.55	QP	100	246	
4	0.0477	18.97	19.87	38.84	114.02	-75.18	QP	100	331	
5	0.0589	18.81	16.90	35.71	112.19	-76.48	QP	100	345	
6	0.0957	18.38	12.95	31.33	107.98	-76.65	QP	100	0	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/7 09:51:54
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.3589	18.50	26.51	45.01	96.50	-51.49	QP	100	174	
2	0.7470	18.66	20.43	39.09	70.15	-31.06	QP	100	163	
3	5.6722	19.60	13.22	32.82	69.50	-36.68	QP	100	17	
4	9.6124	20.36	14.04	34.40	69.50	-35.10	QP	100	309	
5	19.8510	21.58	19.35	40.93	69.50	-28.57	QP	100	211	
6	21.1942	21.65	15.85	37.50	69.50	-32.00	QP	100	350	

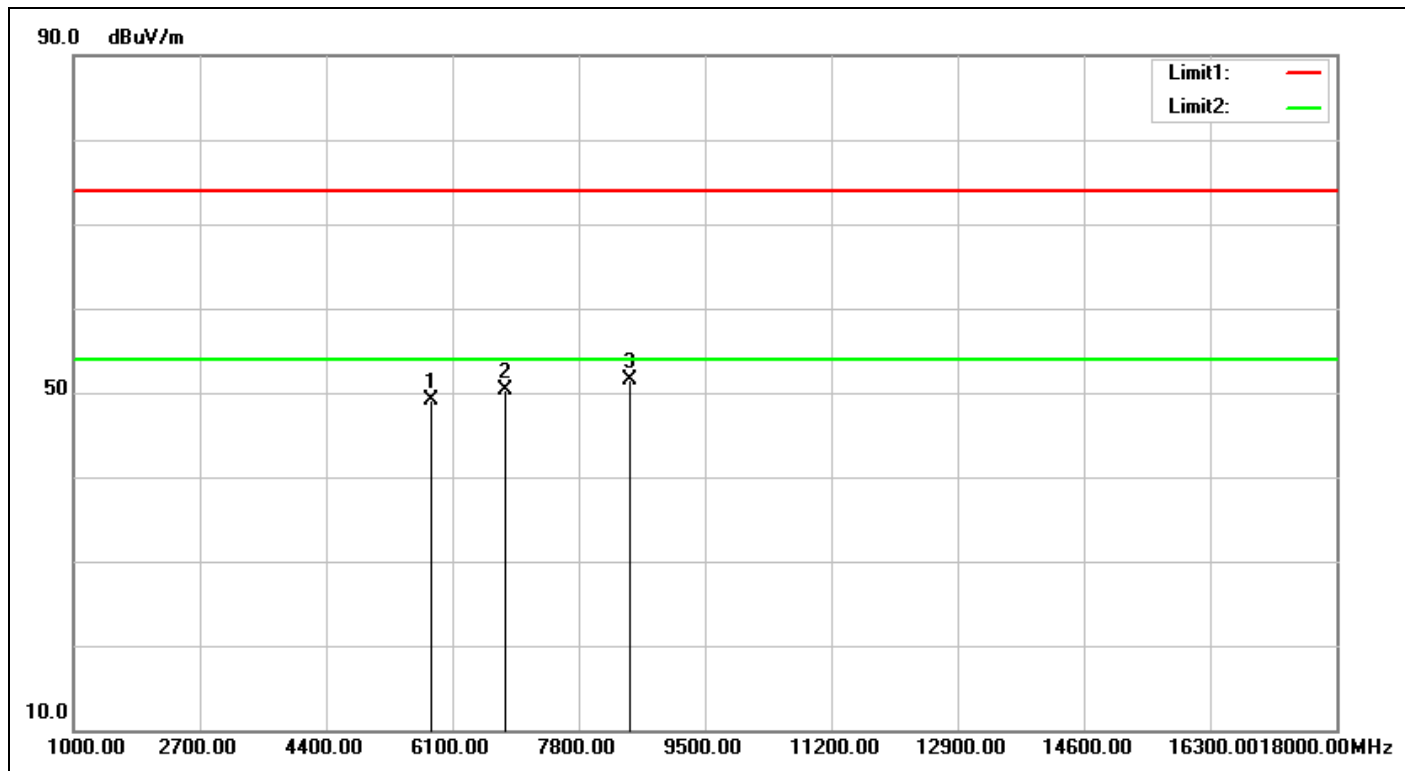
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

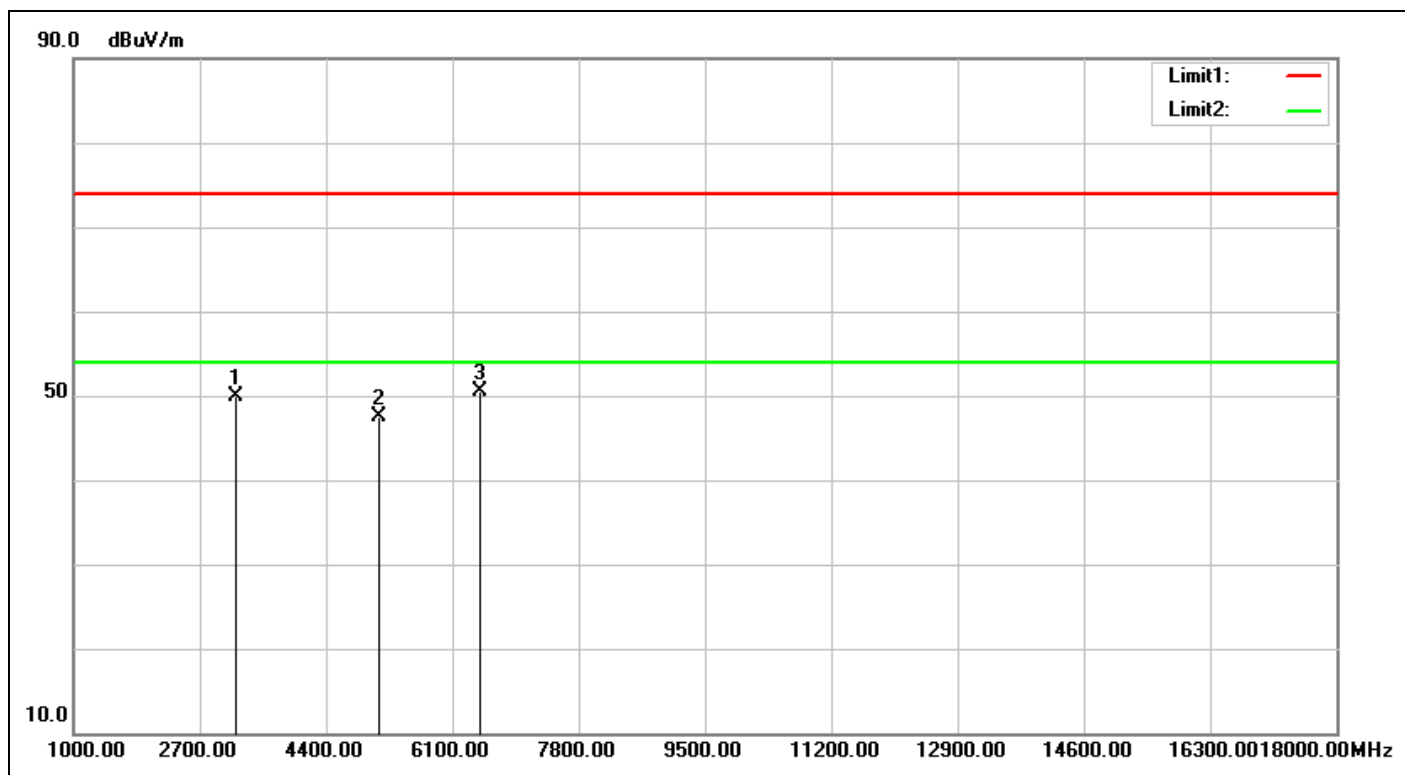
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:40:19
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5811.000	1.11	48.07	49.18	74.00	-24.82	peak	100	92	
2	6814.000	3.98	46.32	50.30	74.00	-23.70	peak	100	127	
3	8480.000	5.44	45.98	51.42	74.00	-22.58	peak	100	65	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 18:45:37
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3193.000	-7.04	56.88	49.84	74.00	-24.16	peak	100	212	
2	5114.000	-2.62	50.16	47.54	74.00	-26.46	peak	100	229	
3	6474.000	4.28	46.24	50.52	74.00	-23.48	peak	100	147	

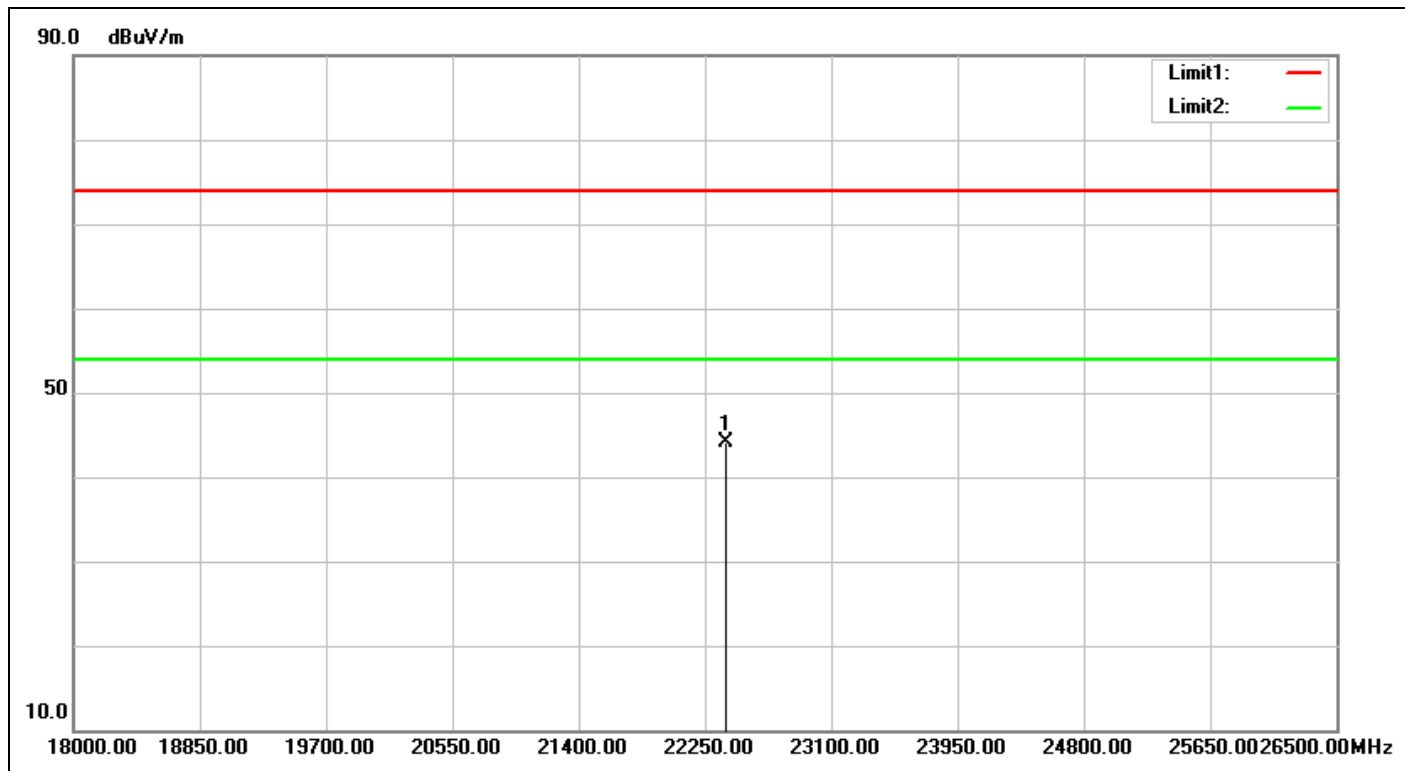
Spurious Emissions, RX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

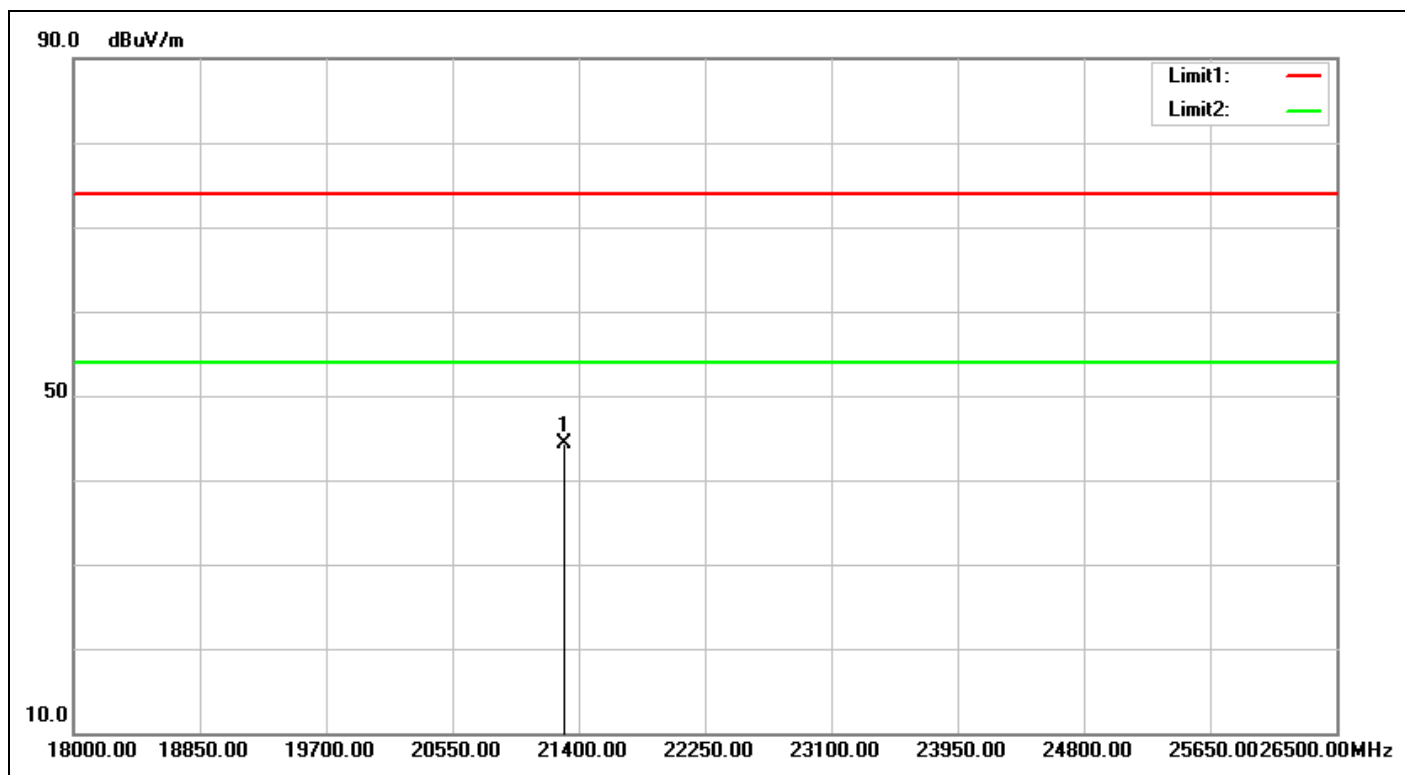
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/6 18:57:09
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22394.500	4.53	39.62	44.15	74.00	-29.85	peak	100	152	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/6 19:01:41
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	23(°C)/53.1%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21298.000	4.51	39.79	44.30	74.00	-29.70	peak	100	199	

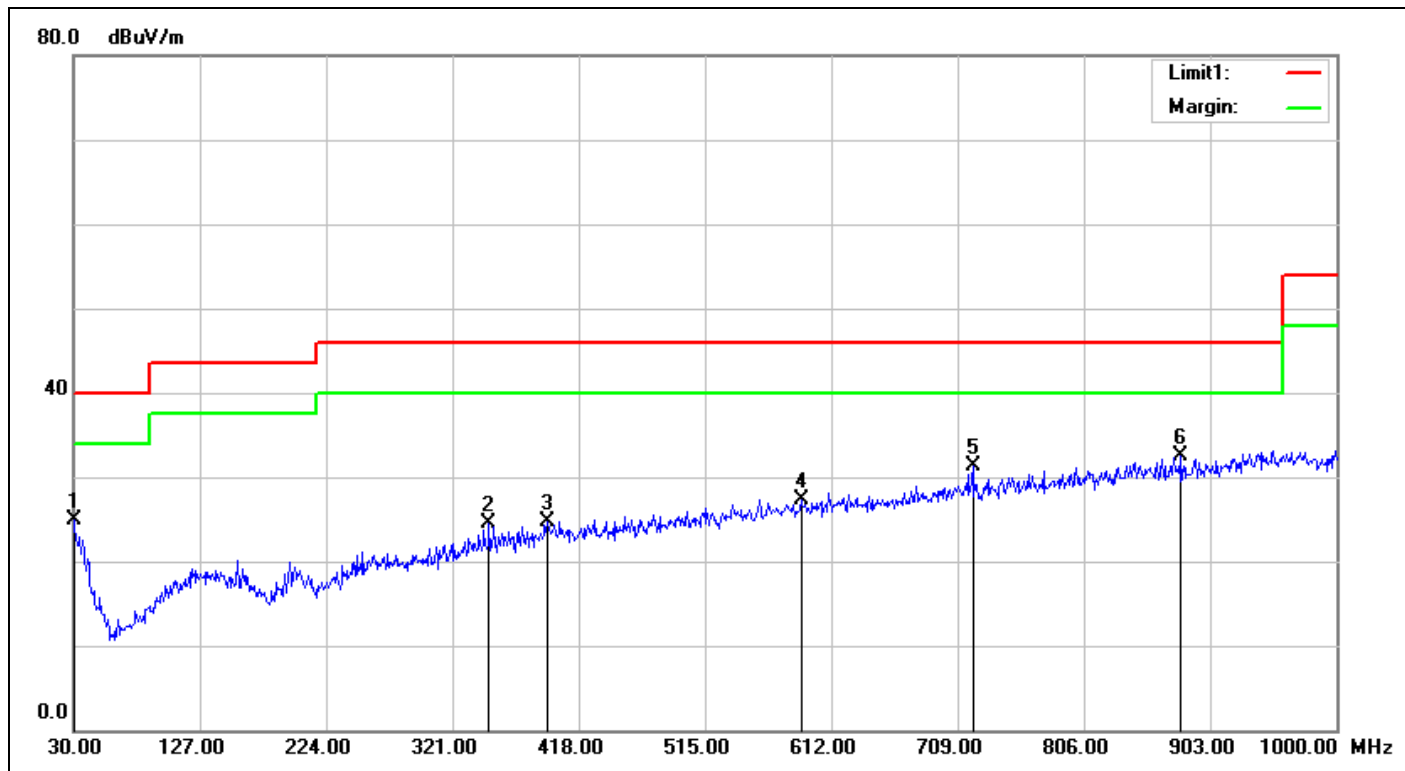
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

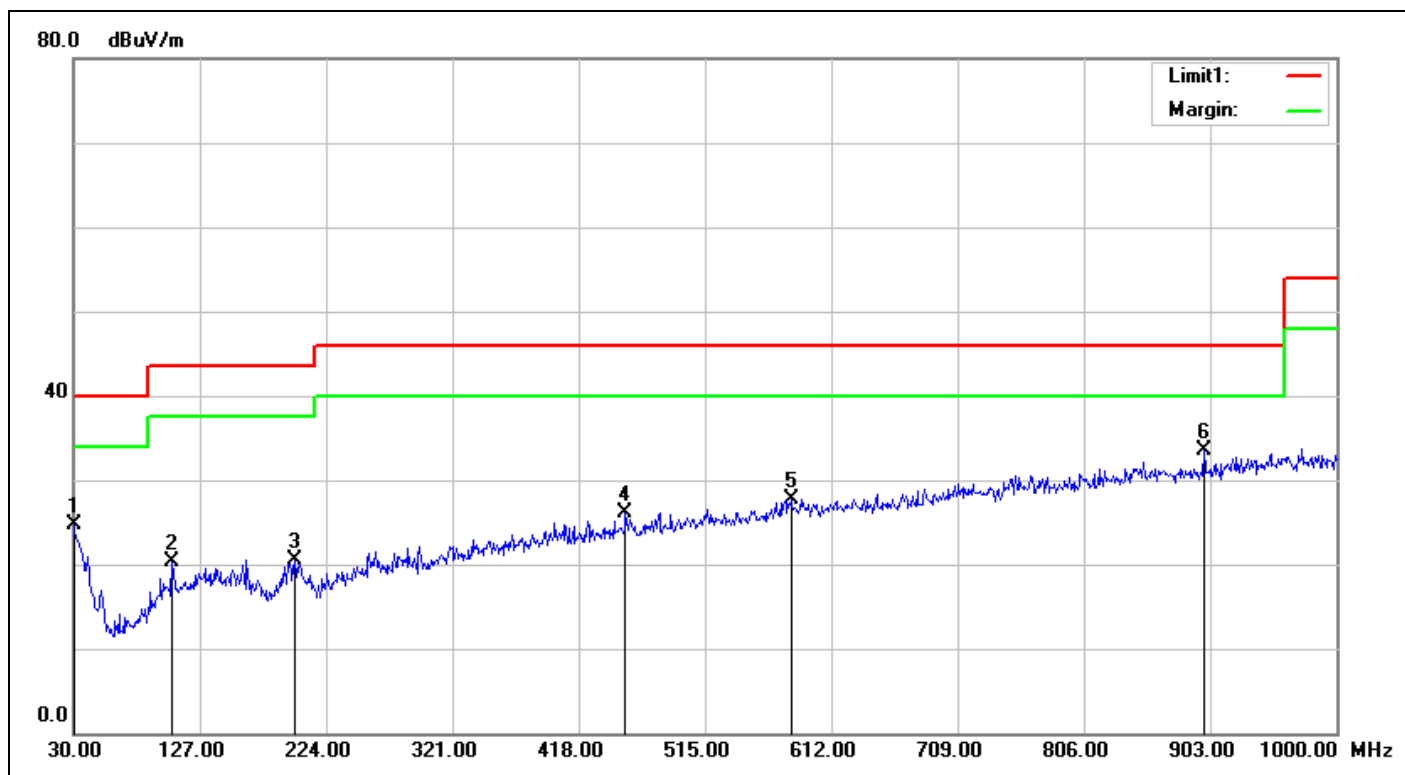
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/9/7 09:35:47
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%):	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	0.07	24.86	24.93	40.00	-15.07	QP	100	226	
2	349.1300	-3.35	27.83	24.48	46.00	-21.52	QP	100	190	
3	393.7500	-2.51	27.15	24.64	46.00	-21.36	QP	100	203	
4	588.7200	0.05	27.31	27.36	46.00	-18.64	QP	100	117	
5	720.6400	1.85	29.36	31.21	46.00	-14.79	QP	100	178	
6	880.6900	4.52	27.91	32.43	46.00	-13.57	QP	100	184	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/9/7 09:36:50
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	0.07	24.71	24.78	40.00	-15.22	QP	100	13	
2	105.6600	-8.64	28.95	20.31	43.50	-23.19	QP	100	209	
3	199.7500	-8.84	29.27	20.43	43.50	-23.07	QP	100	197	
4	453.8900	-1.99	28.17	26.18	46.00	-19.82	QP	100	221	
5	580.9600	-0.07	27.85	27.78	46.00	-18.22	QP	100	152	
6	898.1500	4.61	28.86	33.47	46.00	-12.53	QP	100	167	

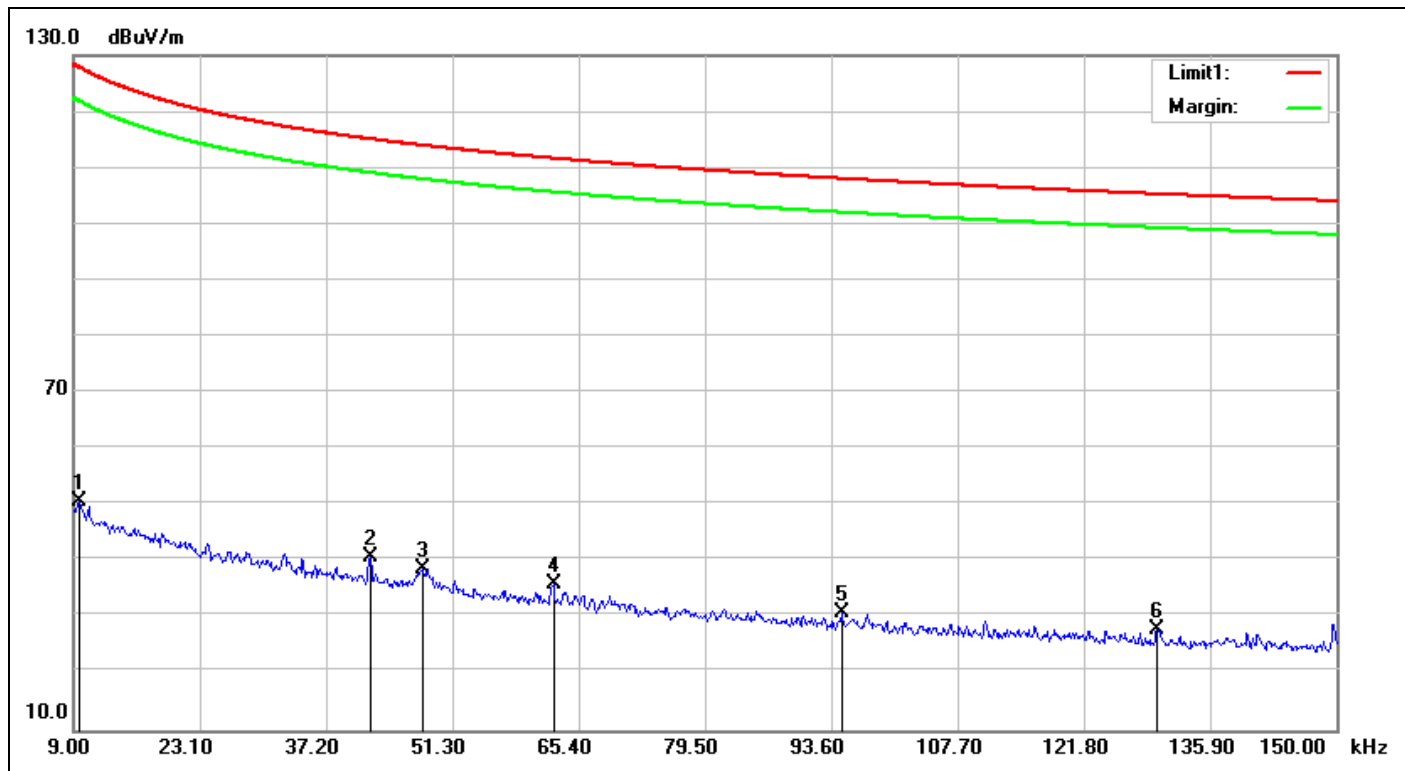
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

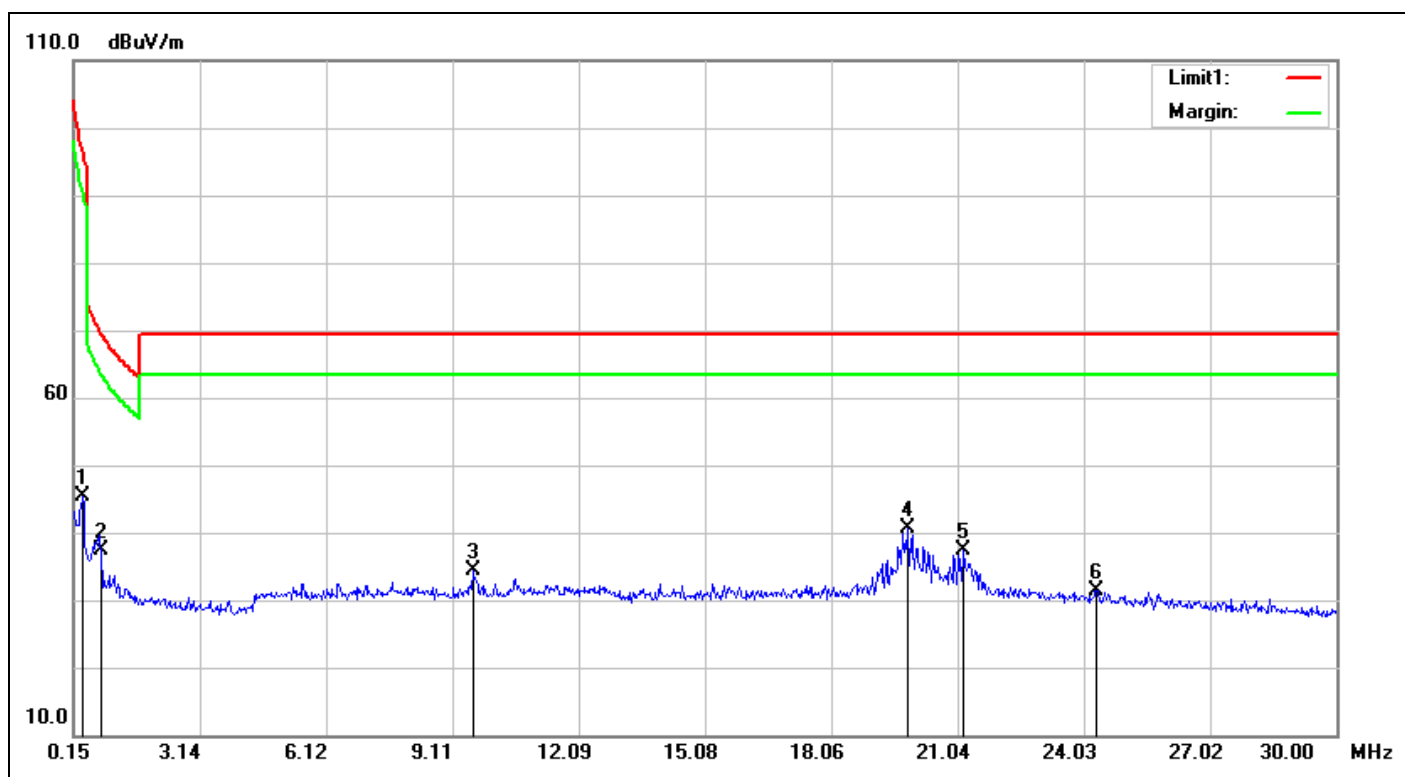
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/7 09:49:46
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	18.46	32.07	50.53	127.85	-77.32	QP	100	227	
2	0.0421	19.08	21.60	40.68	115.11	-74.43	QP	100	13	
3	0.0479	18.96	19.74	38.70	113.99	-75.29	QP	100	13	
4	0.0626	18.77	17.09	35.86	111.66	-75.80	QP	100	178	
5	0.0947	18.38	12.46	30.84	108.07	-77.23	QP	100	16	
6	0.1300	18.35	9.51	27.86	105.32	-77.46	QP	100	125	



Service No.:	114080743	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/9/7 09:52:58
Applicant:	Pamex	Test Rating:	DC 5V
Product:	Wall Reader	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	Kapture KA-WR1N	Test Engineer:	Amy Hsu
Test Mode:	B-2437-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.3590	18.50	26.78	45.28	96.50	-51.22	QP	100	158	
2	0.8067	18.67	18.59	37.26	69.48	-32.22	QP	100	180	
3	9.5826	20.35	13.91	34.26	69.50	-35.24	QP	100	282	
4	19.8809	21.59	19.04	40.63	69.50	-28.87	QP	100	359	
5	21.1943	21.65	15.75	37.40	69.50	-32.10	QP	100	341	
6	24.3285	21.76	9.69	31.45	69.50	-38.05	QP	100	220	

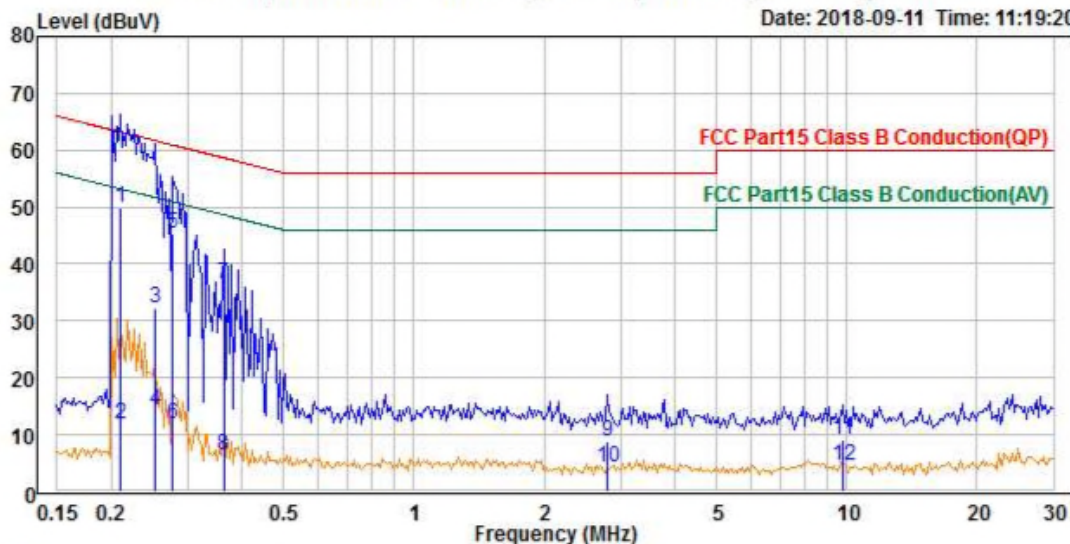
Spurious Emissions, Main



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

File: C:\EMC\Report\2018\ALZK\114080733(KA-WR1N)\114080733(KA-WR1N)_00005.EMI

Date: 2018-09-11 Time: 11:19:20



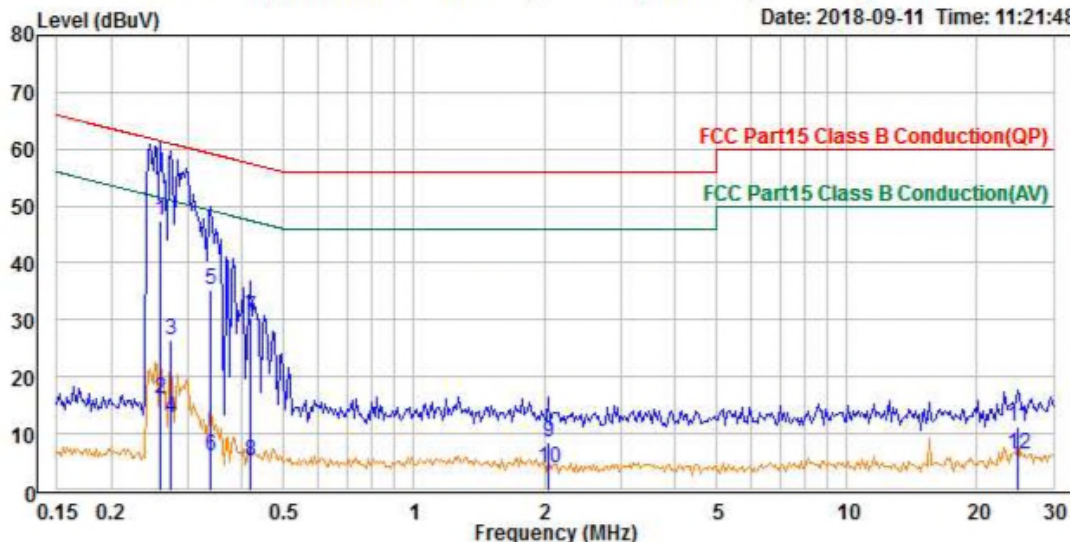
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Joe Tien
Applicant : Pamex
Product :
Model No. : Kapture KA-WR1N
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	0.210	40.18	9.68	49.86	63.19	-13.33	QP
2	0.210	2.10	9.68	11.78	53.19	-41.41	Average
3	0.252	22.55	9.68	32.23	61.71	-29.48	QP
4	0.252	4.60	9.68	14.28	51.71	-37.43	Average
5	0.278	35.64	9.68	45.32	60.88	-15.56	QP
6	0.278	2.04	9.68	11.72	50.88	-39.16	Average
7	0.363	26.88	9.69	36.57	58.65	-22.08	QP
8	0.363	-3.25	9.69	6.44	48.65	-42.21	Average
9	2.788	-0.95	9.73	8.78	56.00	-47.22	QP
10	2.788	-5.59	9.73	4.14	46.00	-41.86	Average
11	9.756	-0.64	9.83	9.19	60.00	-50.81	QP
12	9.756	-5.38	9.83	4.45	50.00	-45.55	Average

File: C:\EMC\Report\2018\ALZK\114080733(KA-WR1N)\114080733(KA-WR1N)_00007.EMI

Date: 2018-09-11 Time: 11:21:48



Trace: 1
Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Joe Tien
Applicant : Pamex
Product :
Model No. : Kapture KA-WR1N
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	0.259	37.82	9.68	47.50	61.46	-13.96	QP
2	0.259	6.35	9.68	16.03	51.46	-35.43	Average
3	0.275	16.76	9.68	26.44	60.96	-34.52	QP
4	0.275	3.08	9.68	12.76	50.96	-38.20	Average
5	0.339	25.56	9.67	35.23	59.23	-24.00	QP
6	0.339	-3.61	9.67	6.06	49.23	-43.17	Average
7	0.418	20.61	9.68	30.29	57.50	-27.21	QP
8	0.418	-4.51	9.68	5.17	47.50	-42.33	Average
9	2.049	-1.18	9.72	8.54	56.00	-47.46	QP
10	2.049	-5.67	9.72	4.05	46.00	-41.95	Average
11	24.837	1.40	9.94	11.34	60.00	-48.66	QP
12	24.837	-3.44	9.94	6.50	50.00	-43.50	Average