

Test Report No.10043630 001

Appendix D: Radiated Spurious Emission Data

(File: 10043630AppendixD)

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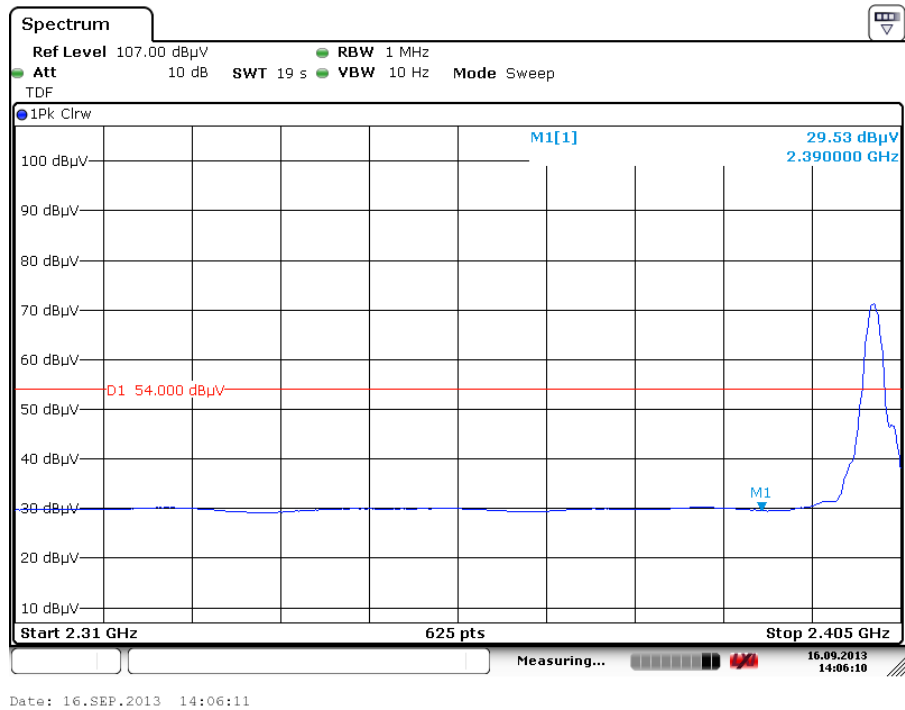
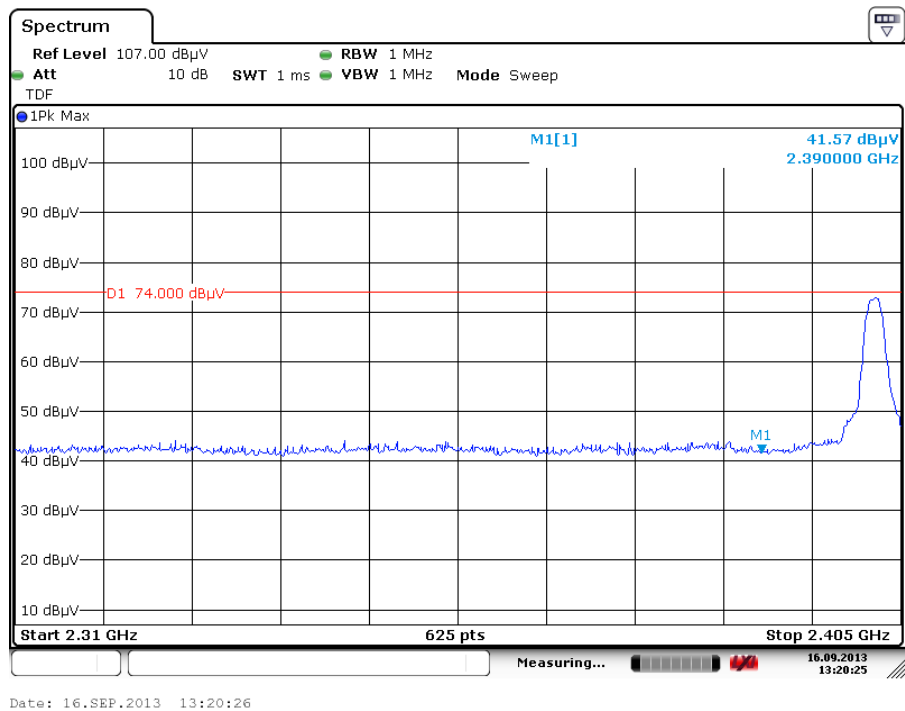
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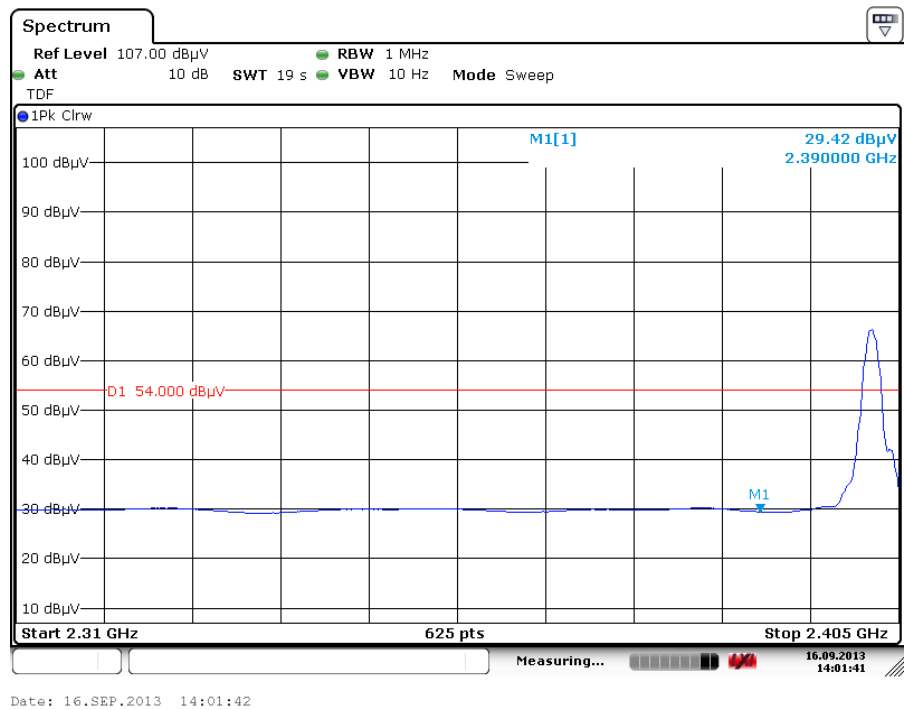
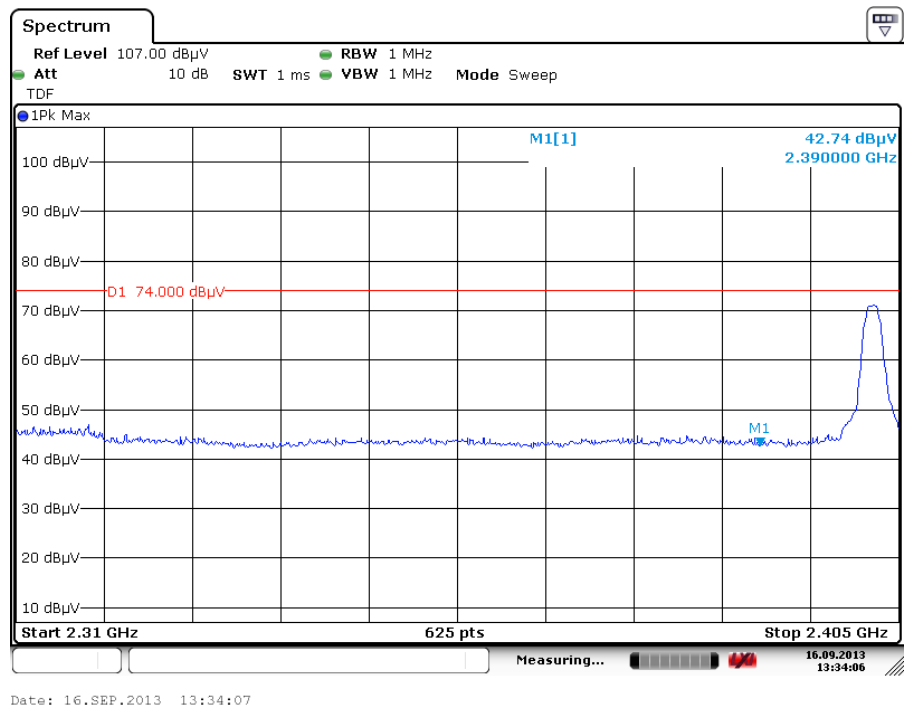
# Radiated Bandedge

53PA01

Low Channel (Hor)

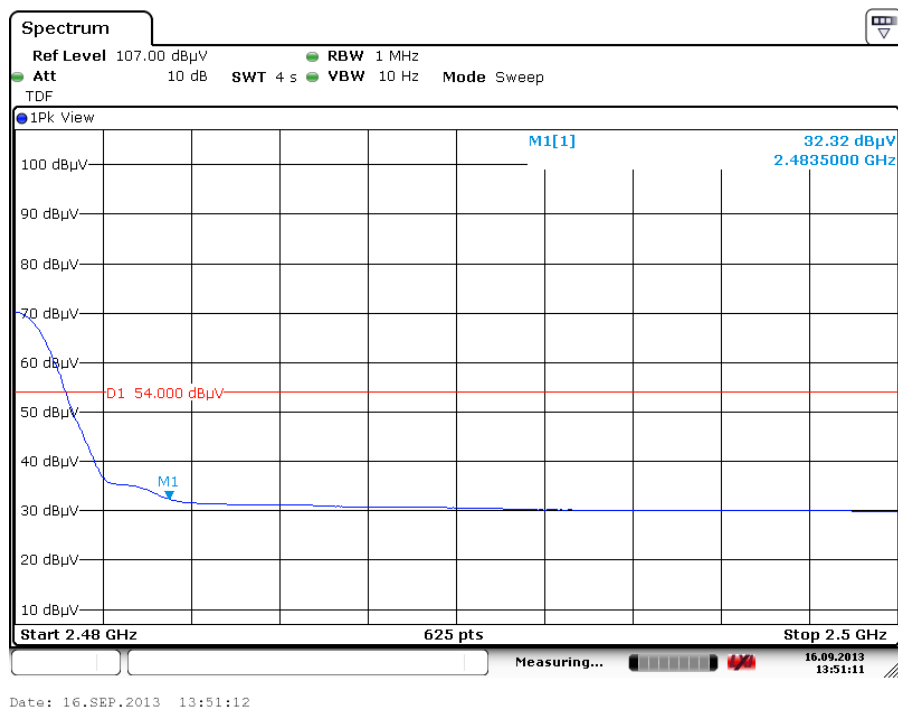
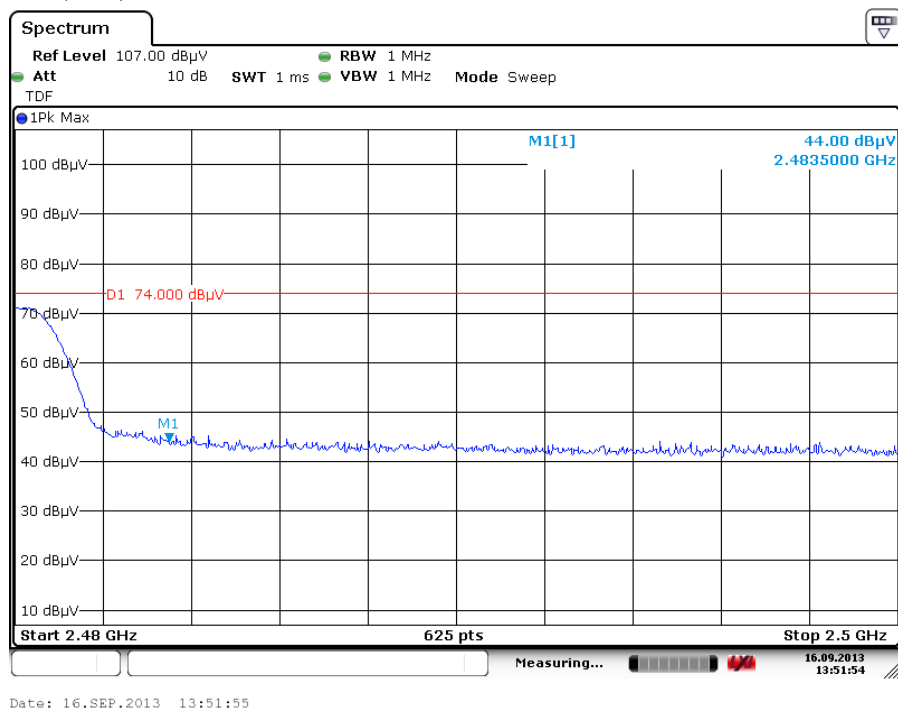


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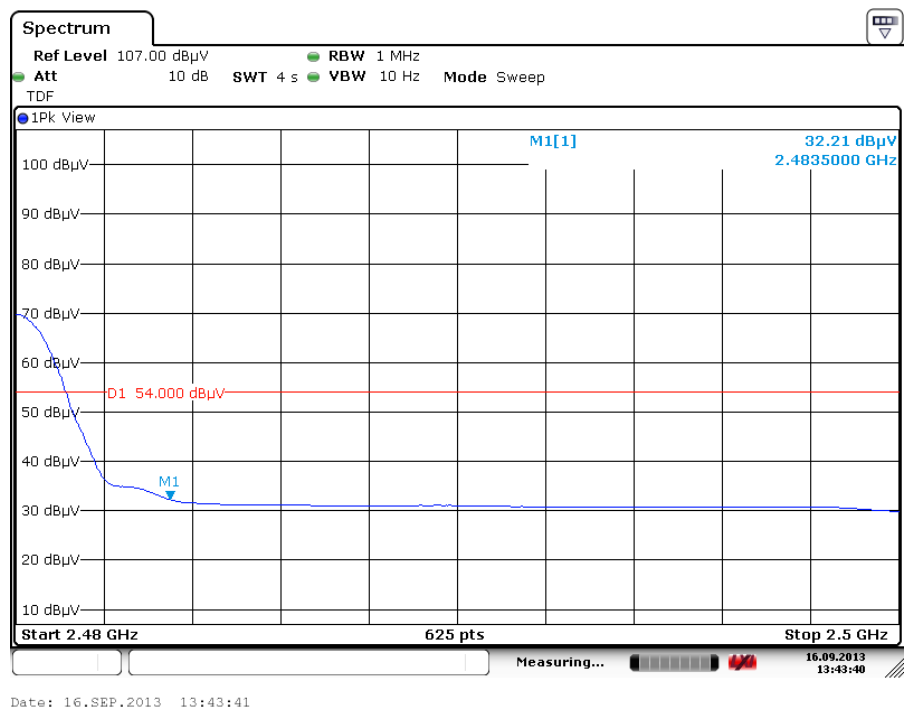
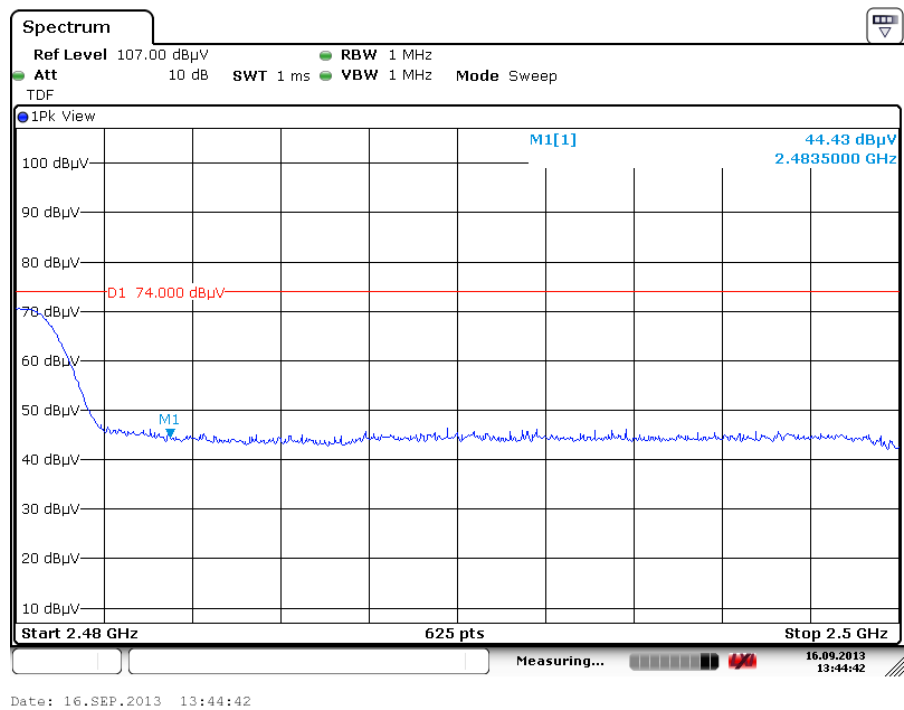


Spurious Emissions, Band Edge, 2.35-2.5G

## High Channel (Hor)

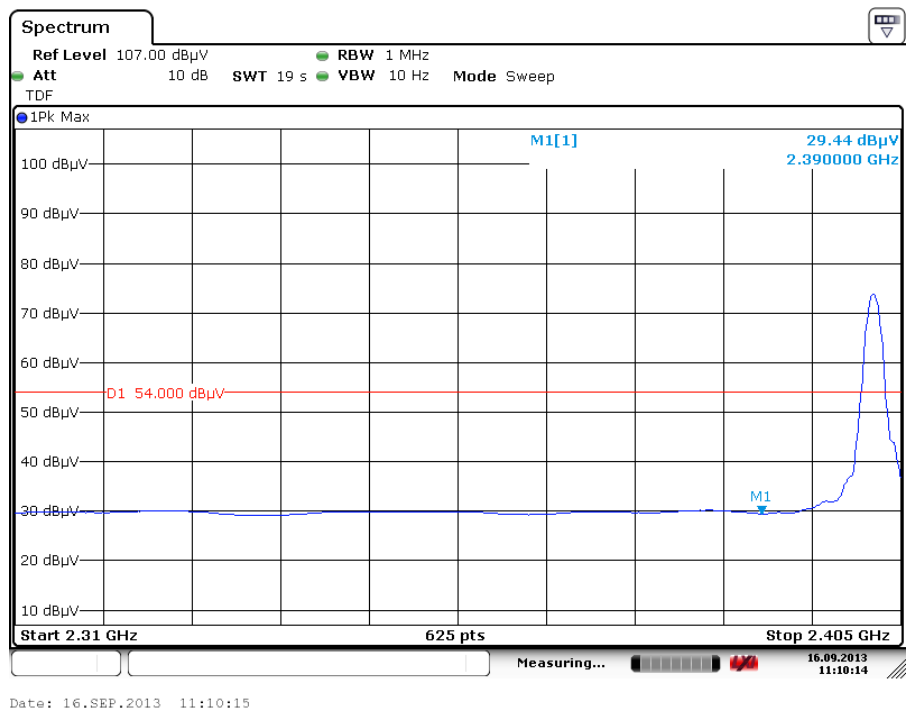
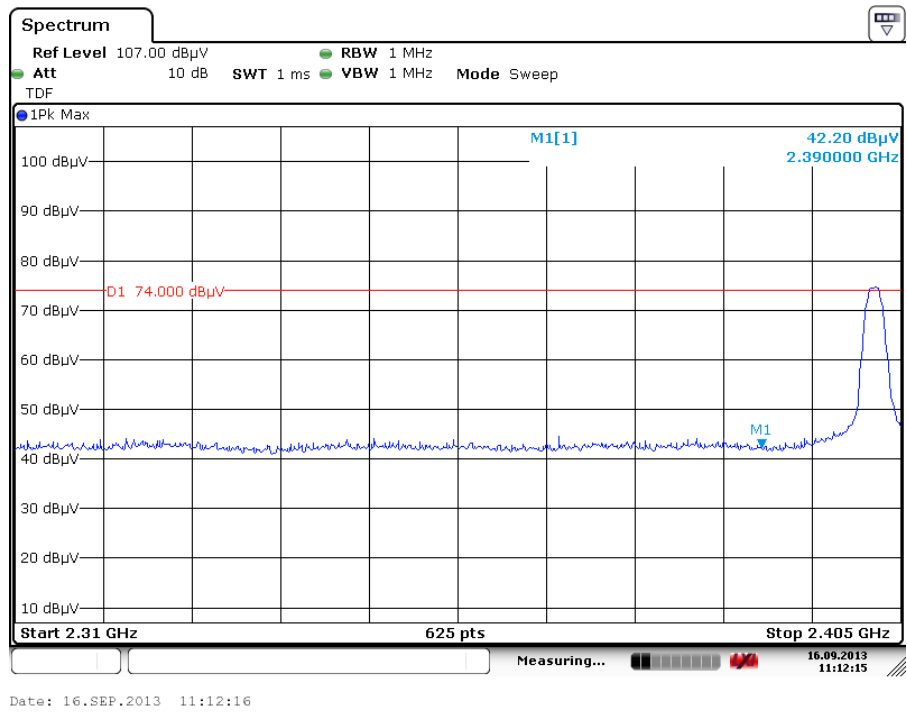


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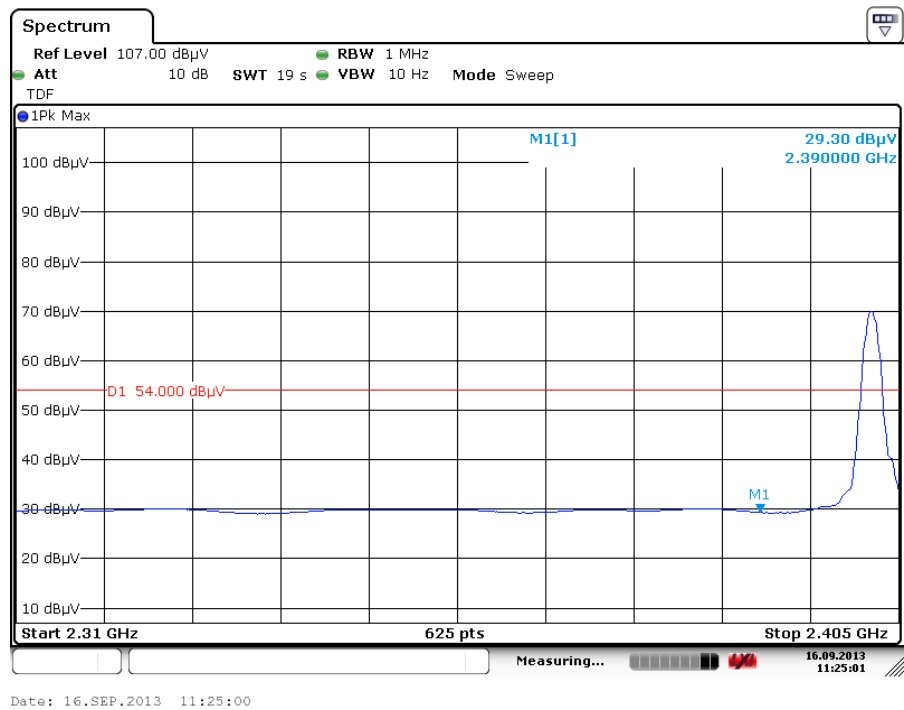
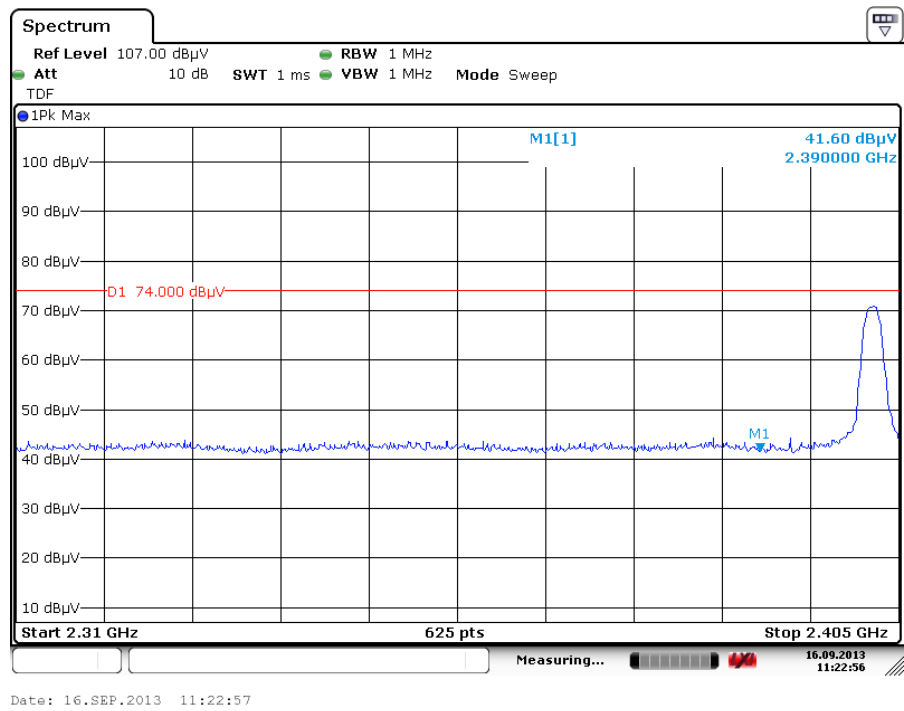
53PW01

Low Channel (Hor)



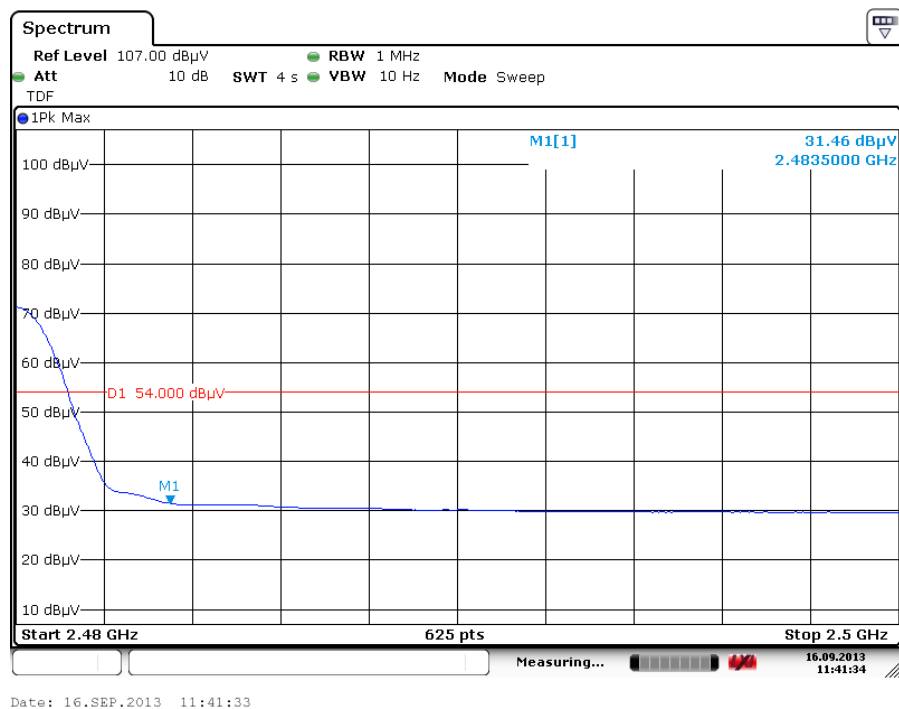
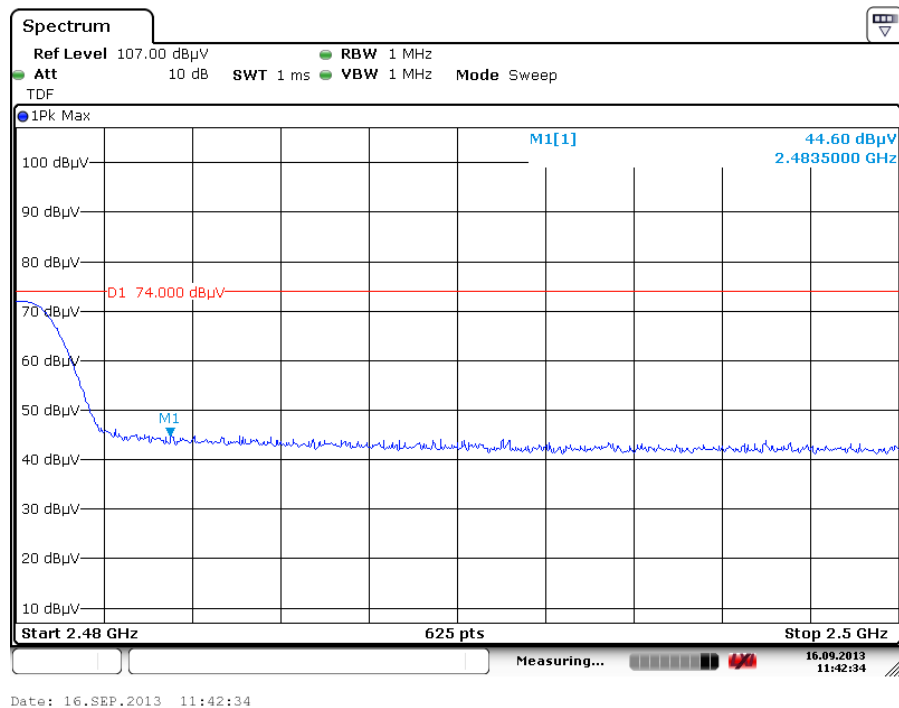
Spurious Emissions, Band Edge, 2.35-2.5G

Low Channel (Ver)



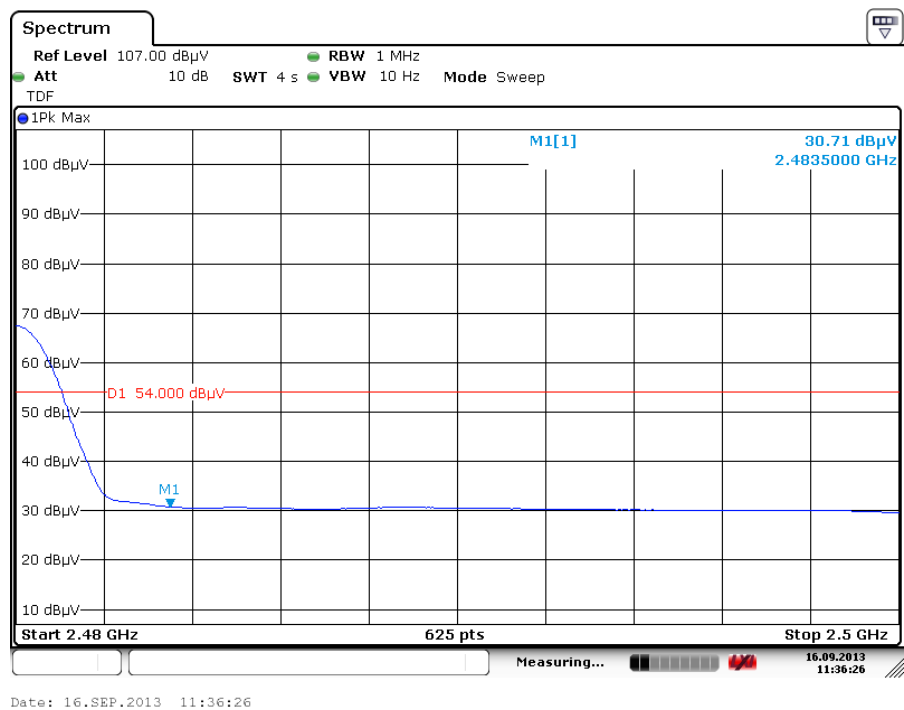
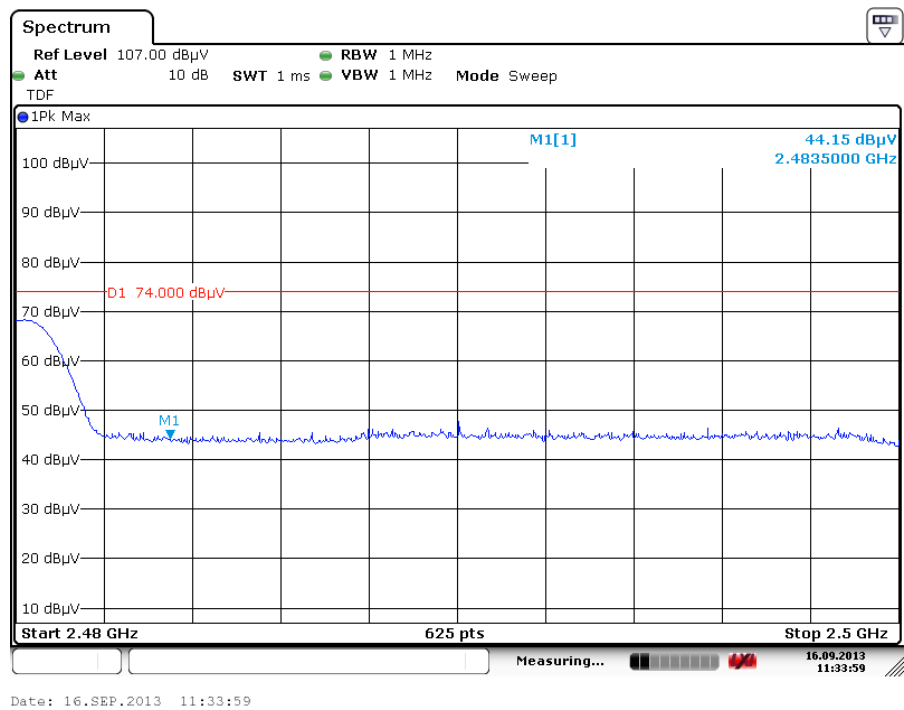
Spurious Emissions, Band Edge, 2.35-2.5G

## High Channel (Hor)





High Channel (Ver)



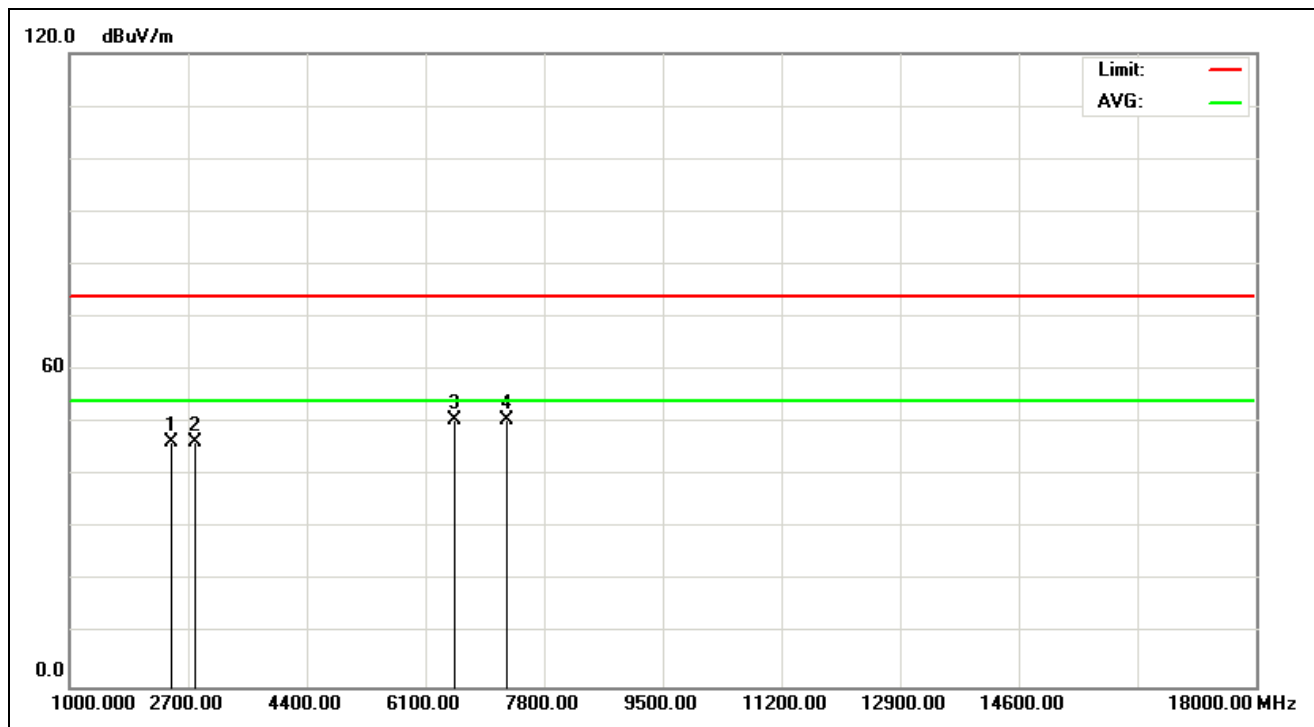
# Spurious Emissions, TX Mode, 1-18G



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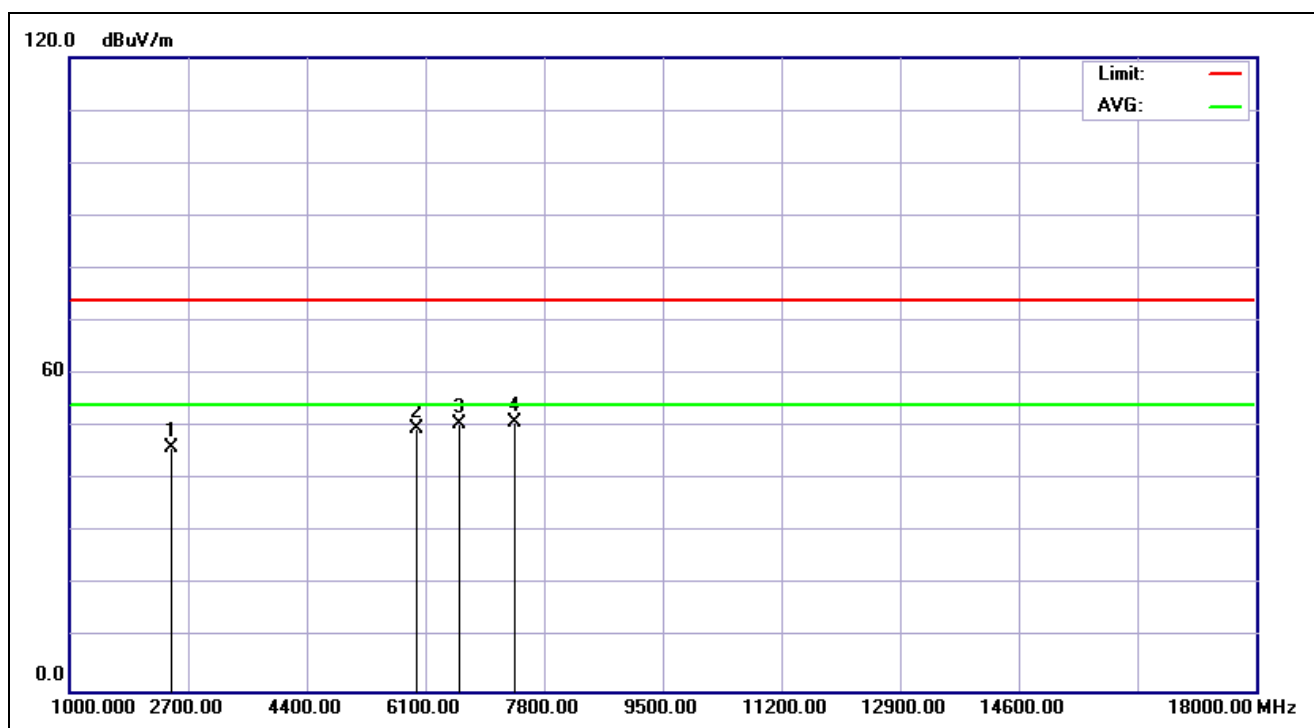
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



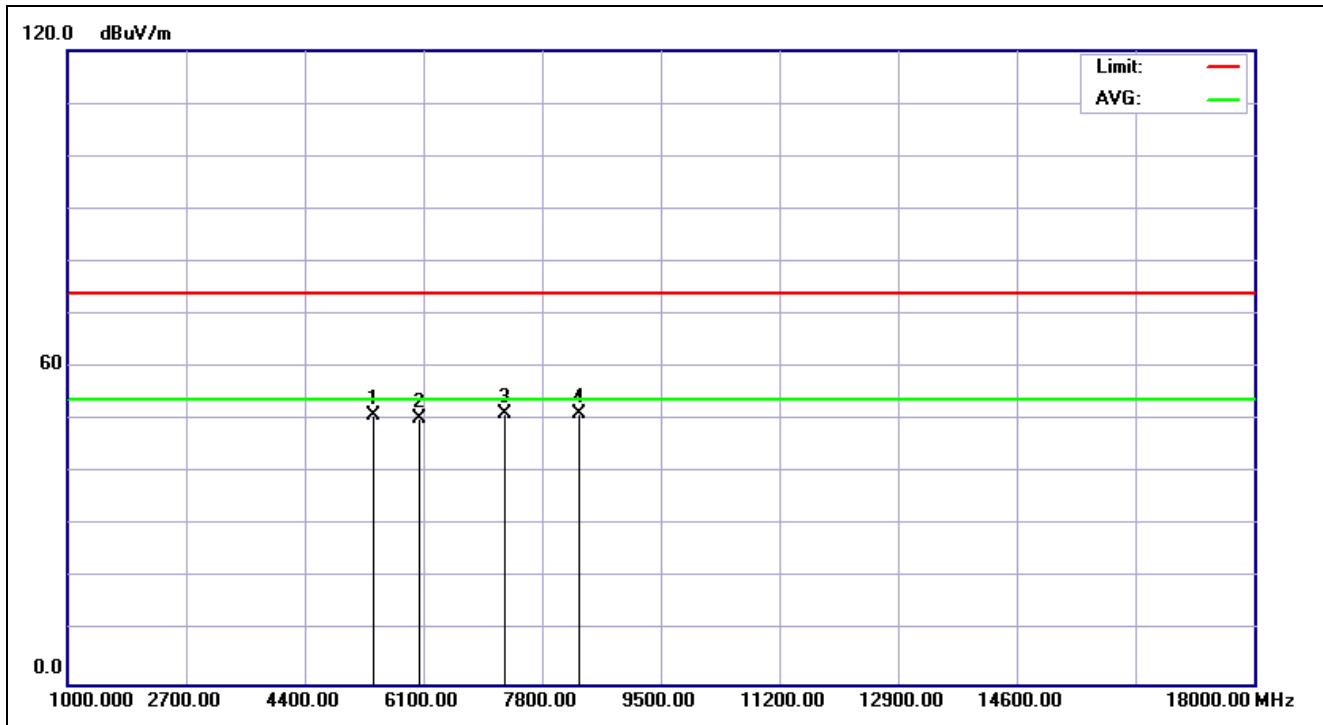
Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/9/16 14:26:41
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%):	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2402)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2471.154	-7.32	53.82	46.50	74.00	-27.50	peak			
2	2798.077	-6.83	53.25	46.42	74.00	-27.58	peak			
3	6530.449	5.40	45.23	50.63	74.00	-23.37	peak			
4	7266.026	5.59	44.83	50.42	74.00	-23.58	peak			



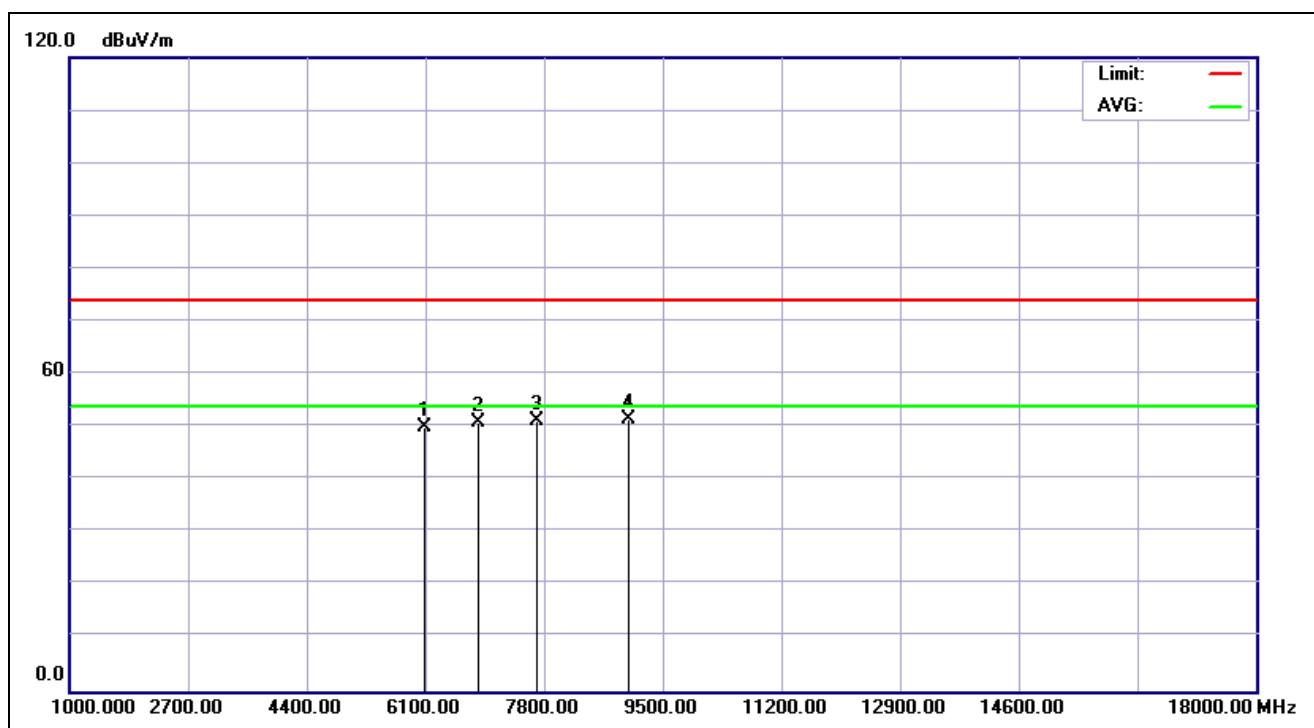
Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2013/9/16 14:38:09
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%)	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2402)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2471.154	-7.32	53.47	46.15	74.00	-27.85	peak			
2	5985.577	3.58	46.01	49.59	74.00	-24.41	peak			
3	6584.936	5.34	45.32	50.66	74.00	-23.34	peak			
4	7375.000	5.90	44.82	50.72	74.00	-23.28	peak			



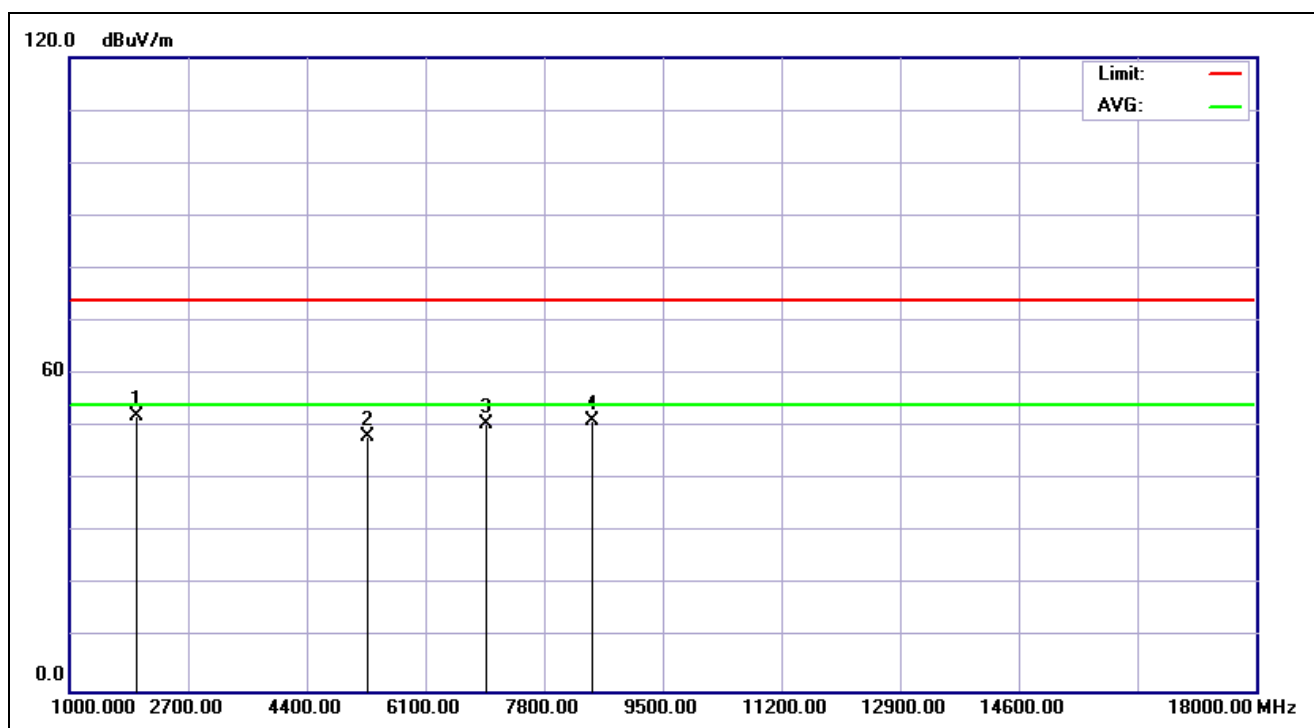
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 18:54:40</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	5386.218	-0.33	51.30	50.97	74.00	-23.03	peak			
2	6040.064	3.82	46.48	50.30	74.00	-23.70	peak			
3	7266.026	5.59	45.58	51.17	74.00	-22.83	peak			
4	8328.526	6.30	44.82	51.12	74.00	-22.88	peak			



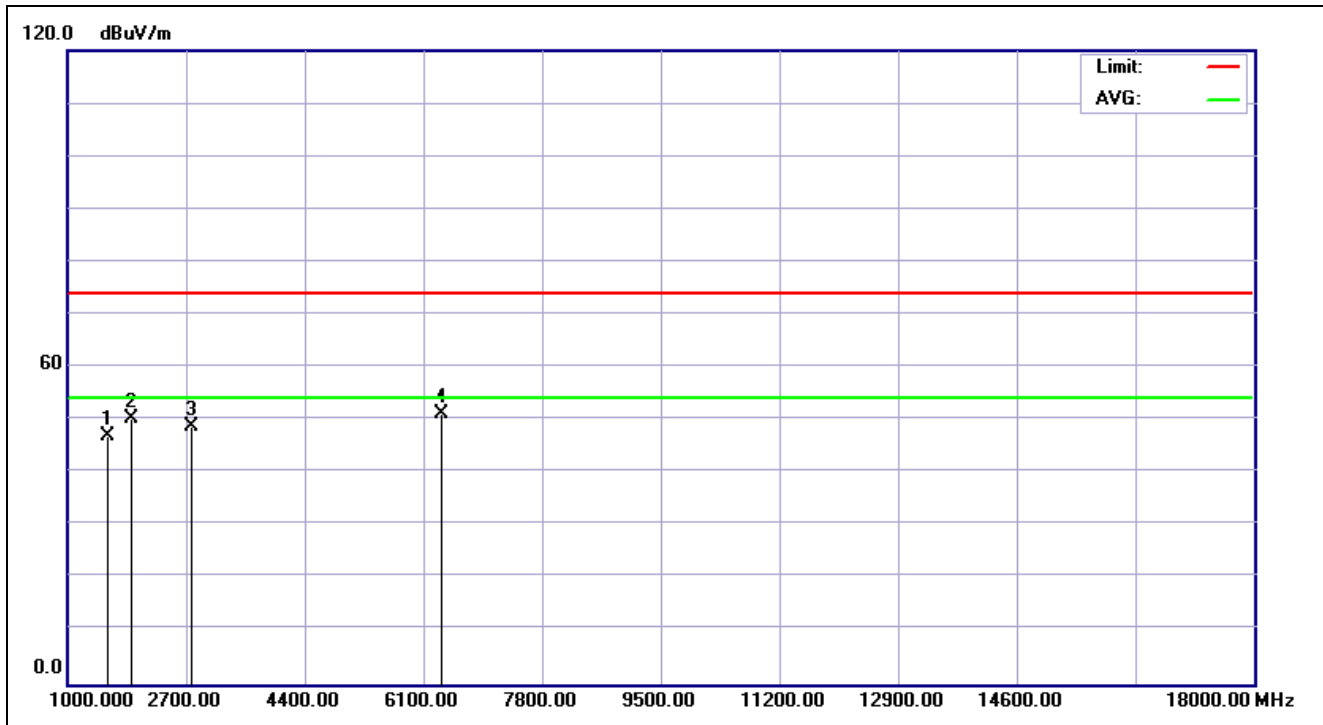
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 18:56:24</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	6094.551	4.02	45.84	49.86	74.00	-24.14	peak			
2	6857.372	5.01	45.78	50.79	74.00	-23.21	peak			
3	7701.923	6.15	45.11	51.26	74.00	-22.74	peak			
4	9009.615	6.89	44.61	51.50	74.00	-22.50	peak			



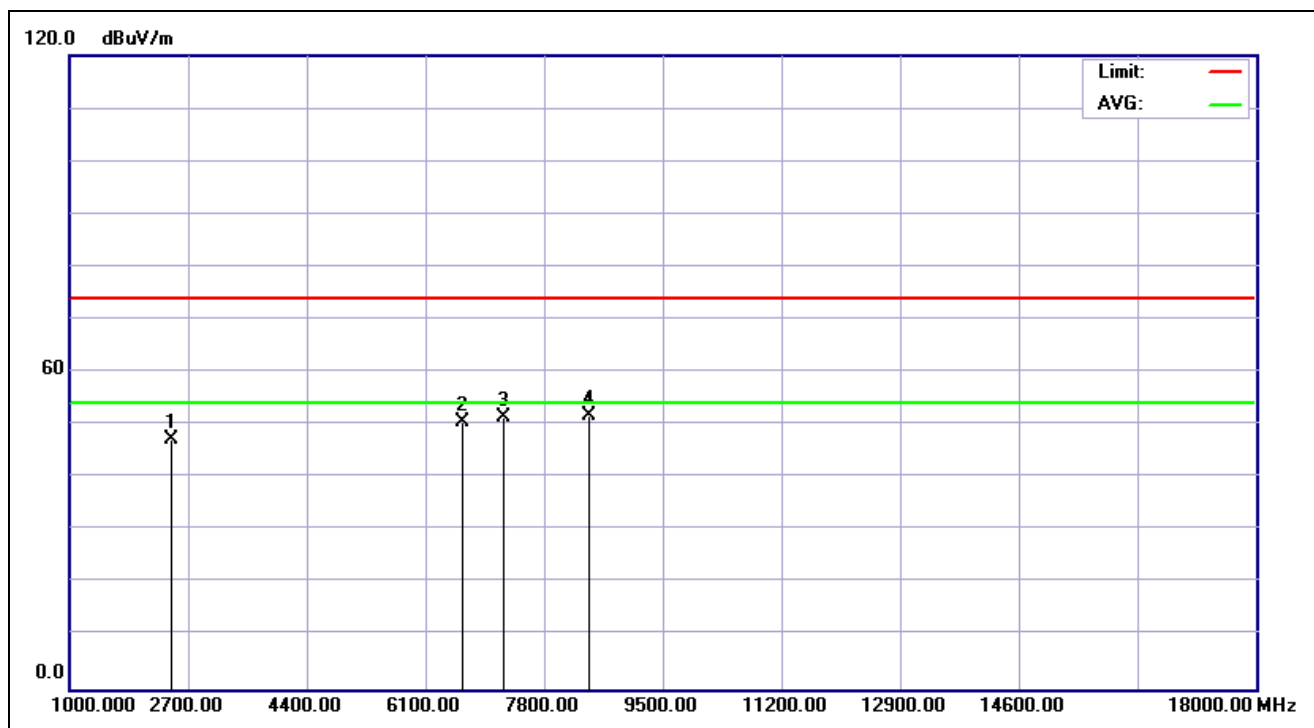
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Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/9/16 14:45:41
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%):	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2480)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1953.526	-7.93	59.86	51.93	74.00	-22.07	peak			
2	5277.244	-0.86	48.97	48.11	74.00	-25.89	peak			
3	6966.346	4.88	45.71	50.59	74.00	-23.41	peak			
4	8491.987	6.45	44.72	51.17	74.00	-22.83	peak			



Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2013/9/16 14:43:35
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%)	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2480)		
Remark:			

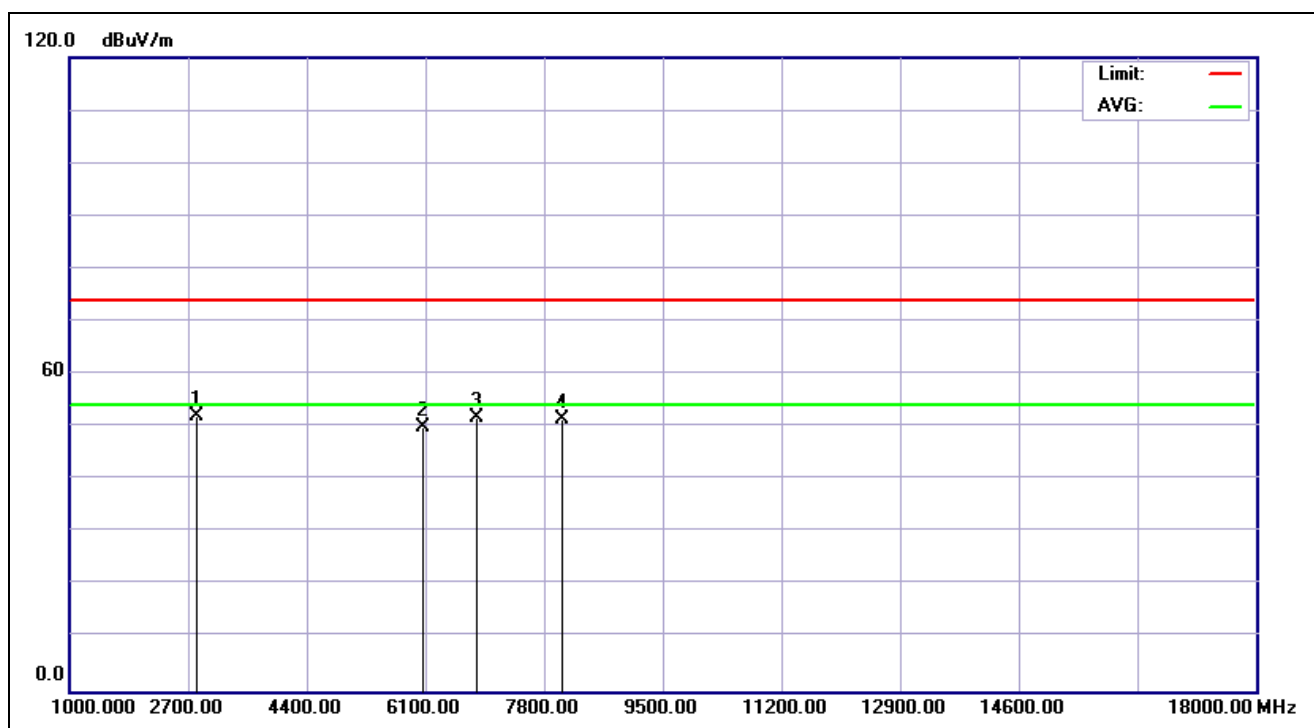
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.33	57.36	47.03	74.00	-26.97	peak			
2	1926.282	-8.10	58.48	50.38	74.00	-23.62	peak			
3	2770.833	-6.88	55.70	48.82	74.00	-25.18	peak			
4	6366.987	4.96	46.26	51.22	74.00	-22.78	peak			



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 14:56:24</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2402)</b>		
<b>Remark:</b>			

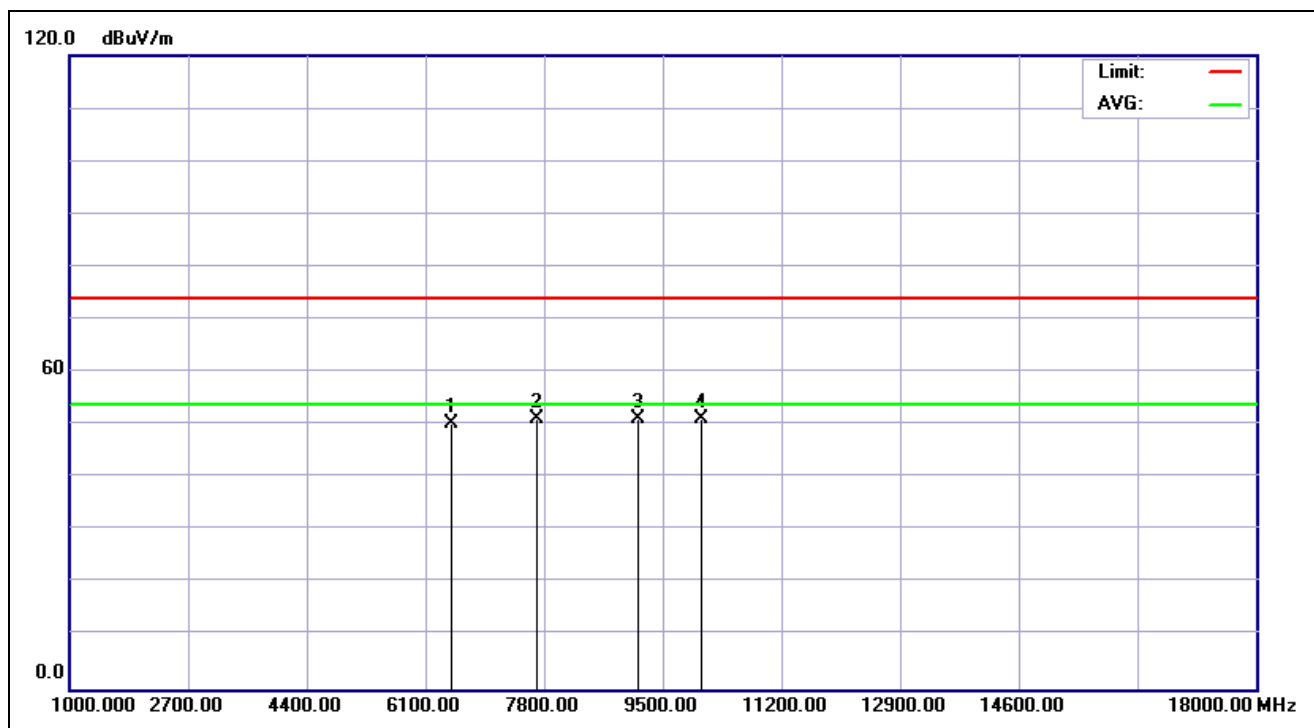
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2471.154	-7.32	54.49	47.17	74.00	-26.83	peak			
2	6639.423	5.27	45.18	50.45	74.00	-23.55	peak			
3	7211.538	5.44	45.89	51.33	74.00	-22.67	peak			
4	8437.500	6.41	45.20	51.61	74.00	-22.39	peak			





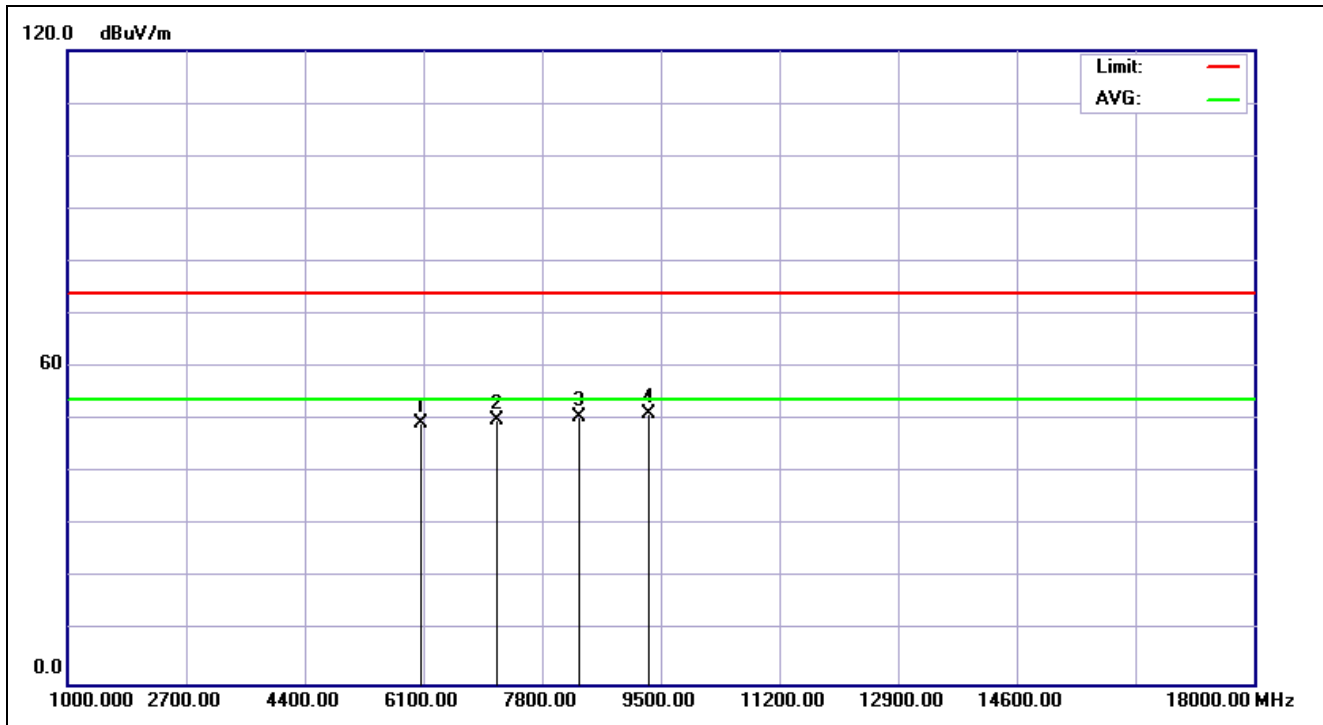
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:05:08</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2402)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	2825.321	-6.79	58.78	51.99	74.00	-22.01	peak			
2	6067.308	3.91	45.92	49.83	74.00	-24.17	peak			
3	6830.128	5.04	46.72	51.76	74.00	-22.24	peak			
4	8056.090	6.04	45.29	51.33	74.00	-22.67	peak			



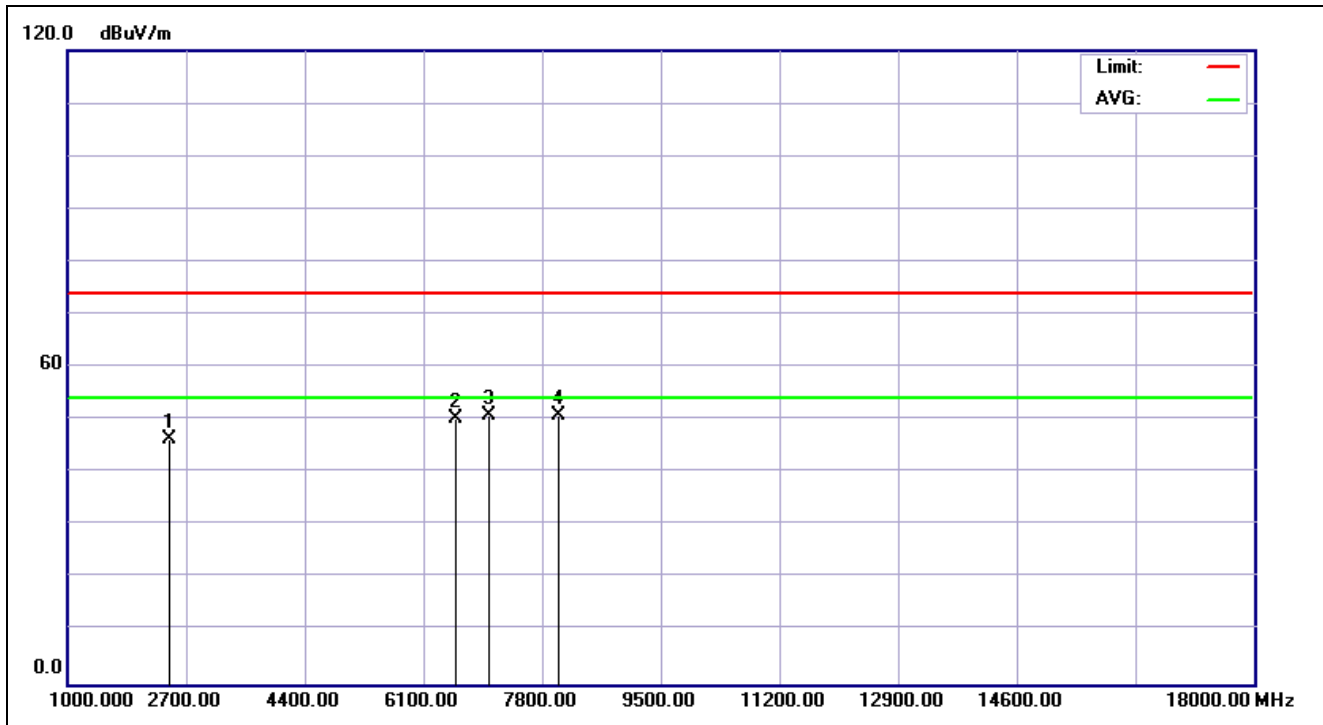
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 17:44:37</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	6475.962	5.36	45.03	50.39	74.00	-23.61	peak			
2	7701.923	6.15	45.04	51.19	74.00	-22.81	peak			
3	9145.833	6.79	44.29	51.08	74.00	-22.92	peak			
4	10044.872	5.42	45.76	51.18	74.00	-22.82	peak			



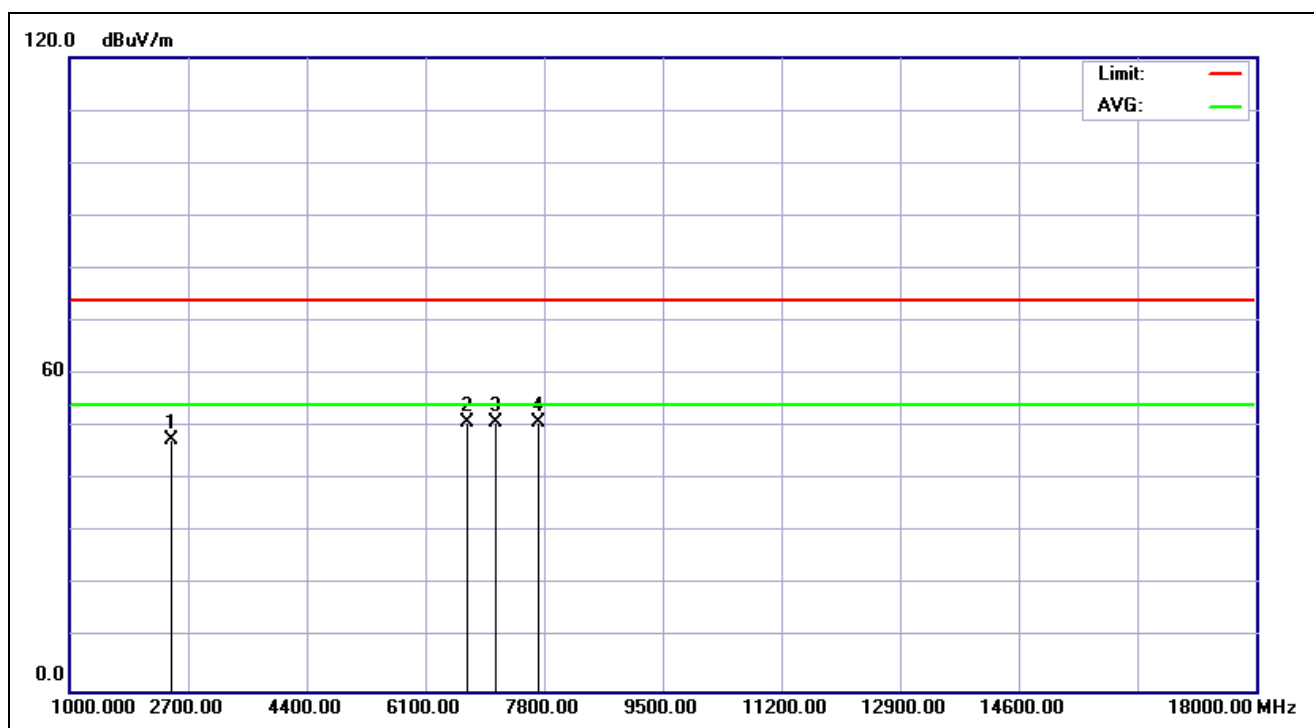
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 17:41:51</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	6067.308	3.91	45.54	49.45	74.00	-24.55	peak			
2	7157.051	5.29	44.74	50.03	74.00	-23.97	peak			
3	8328.526	6.30	44.12	50.42	74.00	-23.58	peak			
4	9336.538	6.64	44.55	51.19	74.00	-22.81	peak			



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:13:03</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2480)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	2471.154	-7.32	53.54	46.22	74.00	-27.78	peak			
2	6557.692	5.37	44.89	50.26	74.00	-23.74	peak			
3	7048.077	4.98	45.88	50.86	74.00	-23.14	peak			
4	8028.846	6.01	44.92	50.93	74.00	-23.07	peak			



Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2013/9/16 15:08:26
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%)	24(°C)/52%
Model No.:	53PW01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2480)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2471.154	-7.32	54.74	47.42	74.00	-26.58	peak			
2	6693.910	5.22	45.48	50.70	74.00	-23.30	peak			
3	7102.564	5.13	45.61	50.74	74.00	-23.26	peak			
4	7729.167	6.13	44.72	50.85	74.00	-23.15	peak			

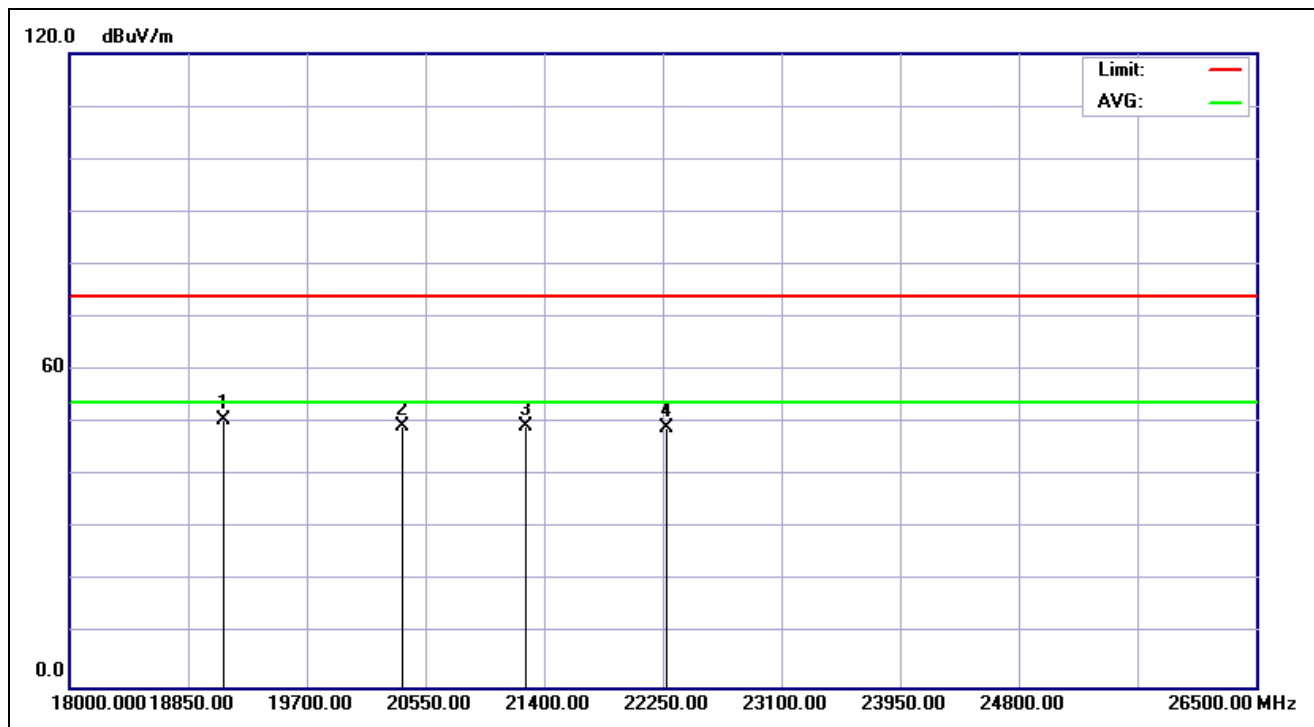
# Spurious Emissions, TX Mode, 18-26G



**TUV Taiwan**

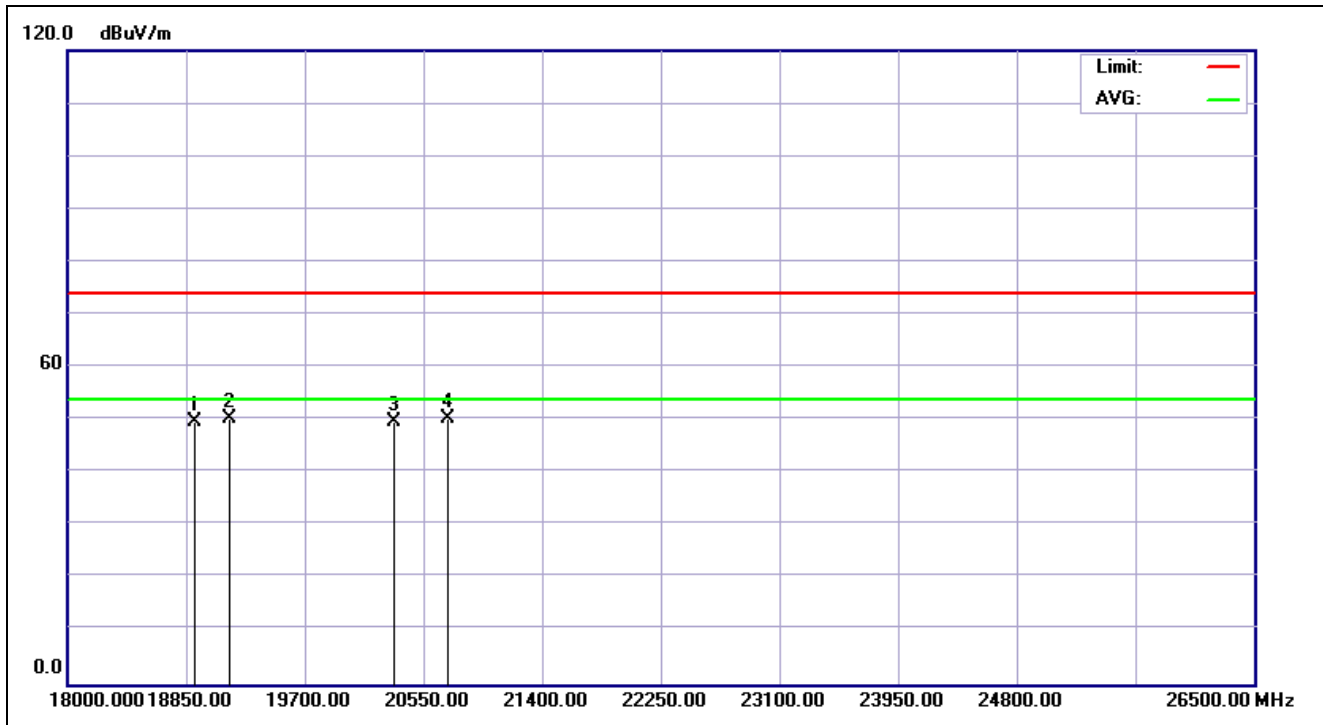
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



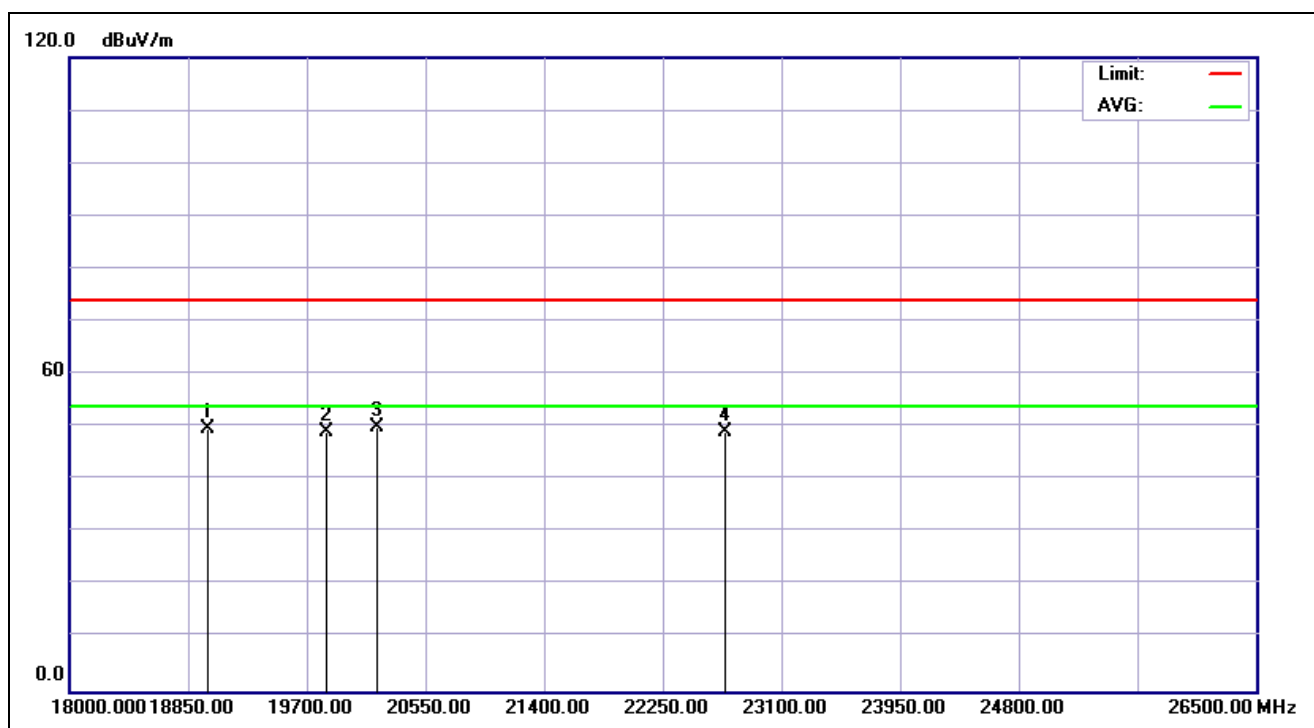
<b>Service No.:</b>	114012878-FCC	<b>Test Distance:</b>	3M
<b>Test Standard:</b>	FCC above 1G PEAK	<b>Ant. Polarization:</b>	Horizontal
<b>Test item:</b>	Radiation Emission	<b>Test Time:</b>	2013/9/16 16:01:22
<b>Applicant:</b>	Kye	<b>Test Rating:</b>	USB DC 5V
<b>Product:</b>	PENCIL	<b>Temp.(°C)/Hum.(%)</b>	24(°C)/52%
<b>Model No.:</b>	53PA01	<b>Test Engineer:</b>	Webber Chung
<b>Test Mode:</b>	Tx Mode(2402)		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	19103.365	29.75	20.76	50.51	74.00	-23.49	peak			
2	20383.814	29.51	19.75	49.26	74.00	-24.74	peak			
3	21269.231	29.50	19.80	49.30	74.00	-24.70	peak			
4	22277.244	29.18	19.99	49.17	74.00	-24.83	peak			



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 16:28:24</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2402)</b>		
<b>Remark:</b>			

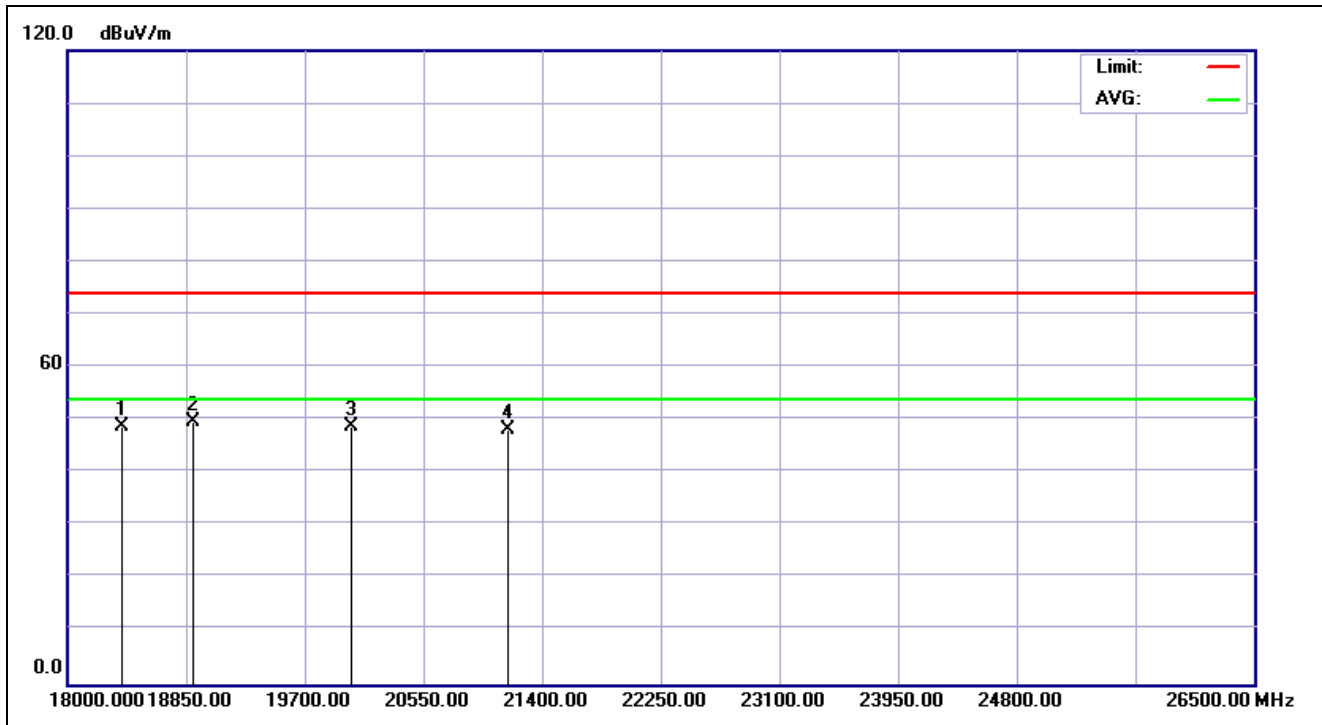
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18912.660	29.71	20.00	49.71	74.00	-24.29	peak			
2	19157.853	29.62	20.49	50.11	74.00	-23.89	peak			
3	20342.949	29.50	20.08	49.58	74.00	-24.42	peak			
4	20724.359	29.58	20.76	50.34	74.00	-23.66	peak			



Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/9/16 19:06:10
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%)	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2442)		
Remark:			

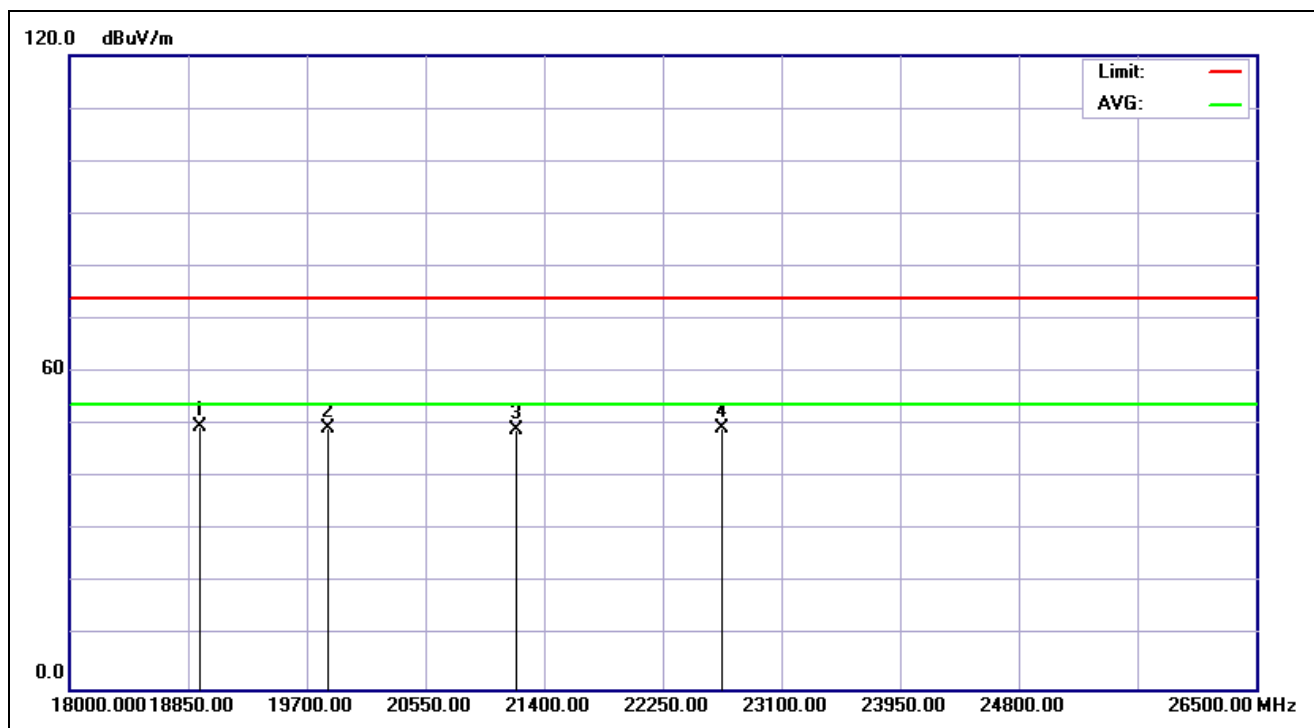
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18994.391	29.96	19.79	49.75	74.00	-24.25	peak			
2	19838.942	29.18	19.80	48.98	74.00	-25.02	peak			
3	20206.731	29.43	20.43	49.86	74.00	-24.14	peak			
4	22699.519	29.51	19.66	49.17	74.00	-24.83	peak			





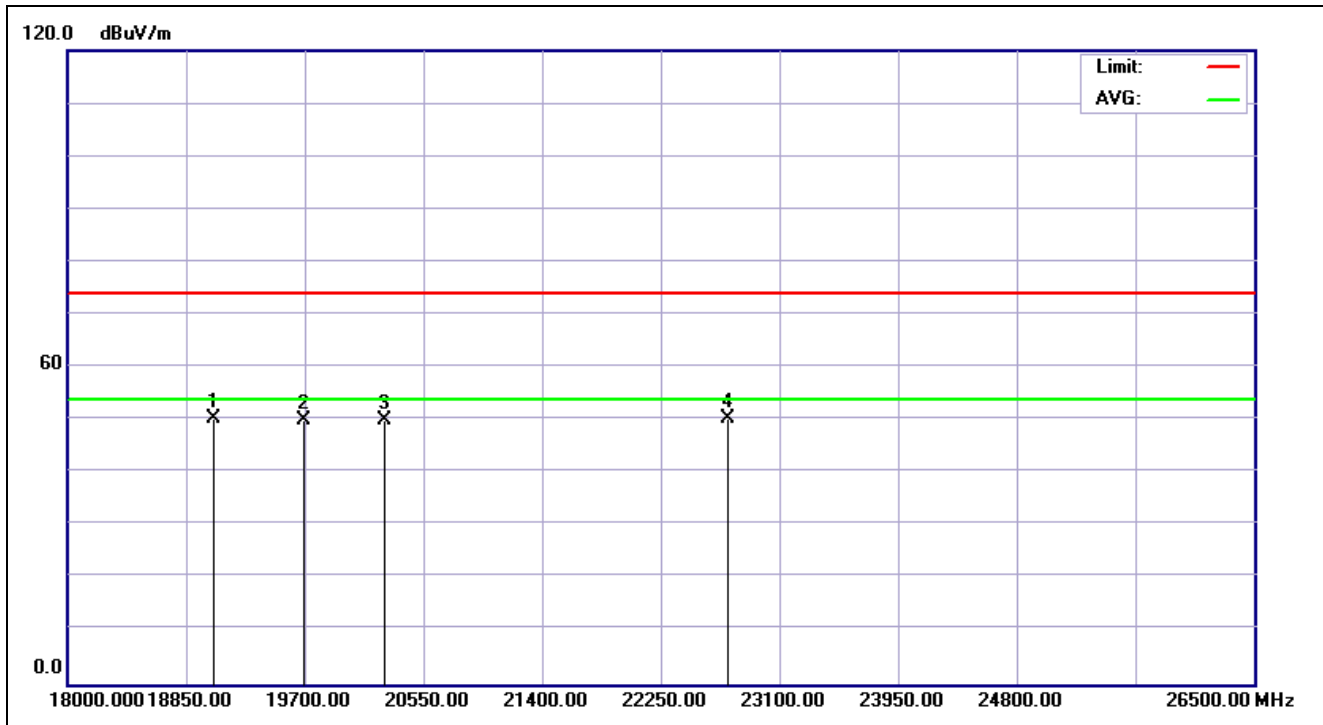
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 19:04:46</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18395.032	28.48	20.20	48.68	74.00	-25.32	peak			
2	18899.038	29.67	19.98	49.65	74.00	-24.35	peak			
3	20029.647	29.34	19.42	48.76	74.00	-25.24	peak			
4	21160.256	29.54	18.71	48.25	74.00	-25.75	peak			



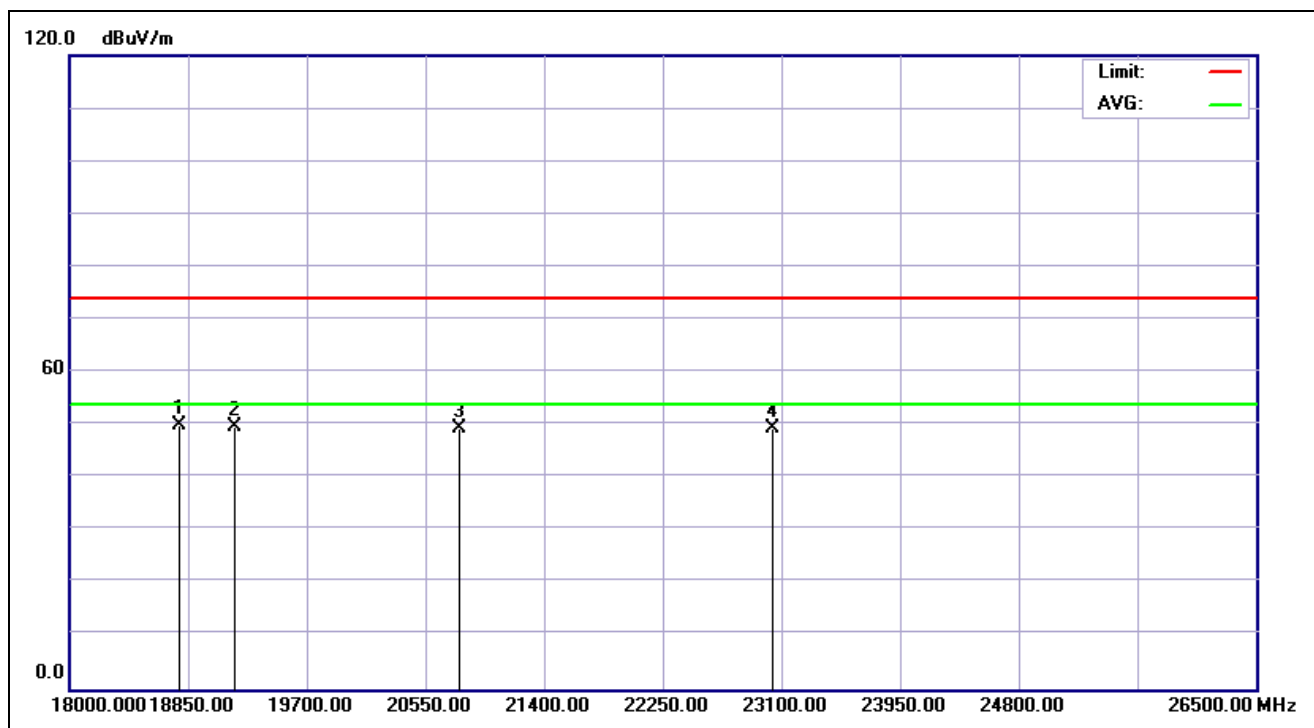
<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 16:32:44</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2480)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18939.904	29.80	19.89	49.69	74.00	-24.31	peak			
2	19852.564	29.18	20.14	49.32	74.00	-24.68	peak			
3	21201.122	29.52	19.43	48.95	74.00	-25.05	peak			
4	22672.276	29.43	19.93	49.36	74.00	-24.64	peak			



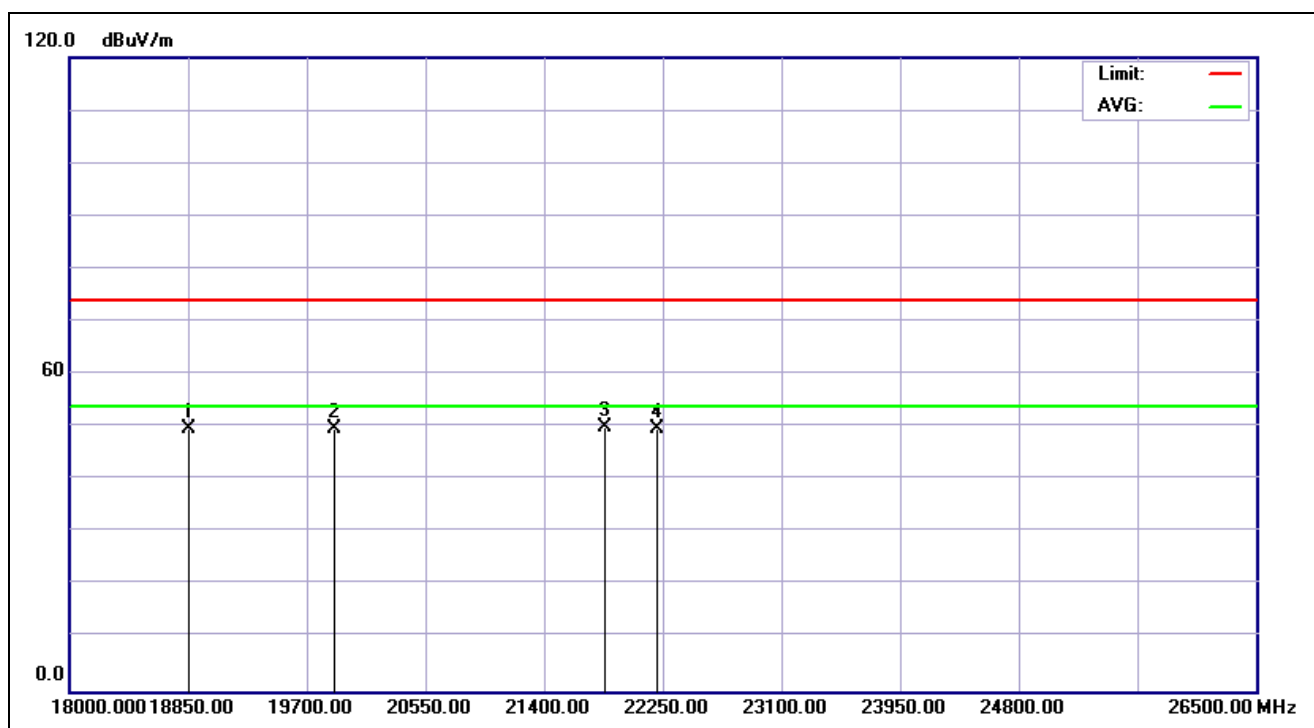
<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 16:30:51</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2480)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19048.878	29.87	20.44	50.31	74.00	-23.69	peak			
2	19689.103	29.05	21.01	50.06	74.00	-23.94	peak			
3	20274.840	29.45	20.47	49.92	74.00	-24.08	peak			
4	22726.763	29.58	20.74	50.32	74.00	-23.68	peak			



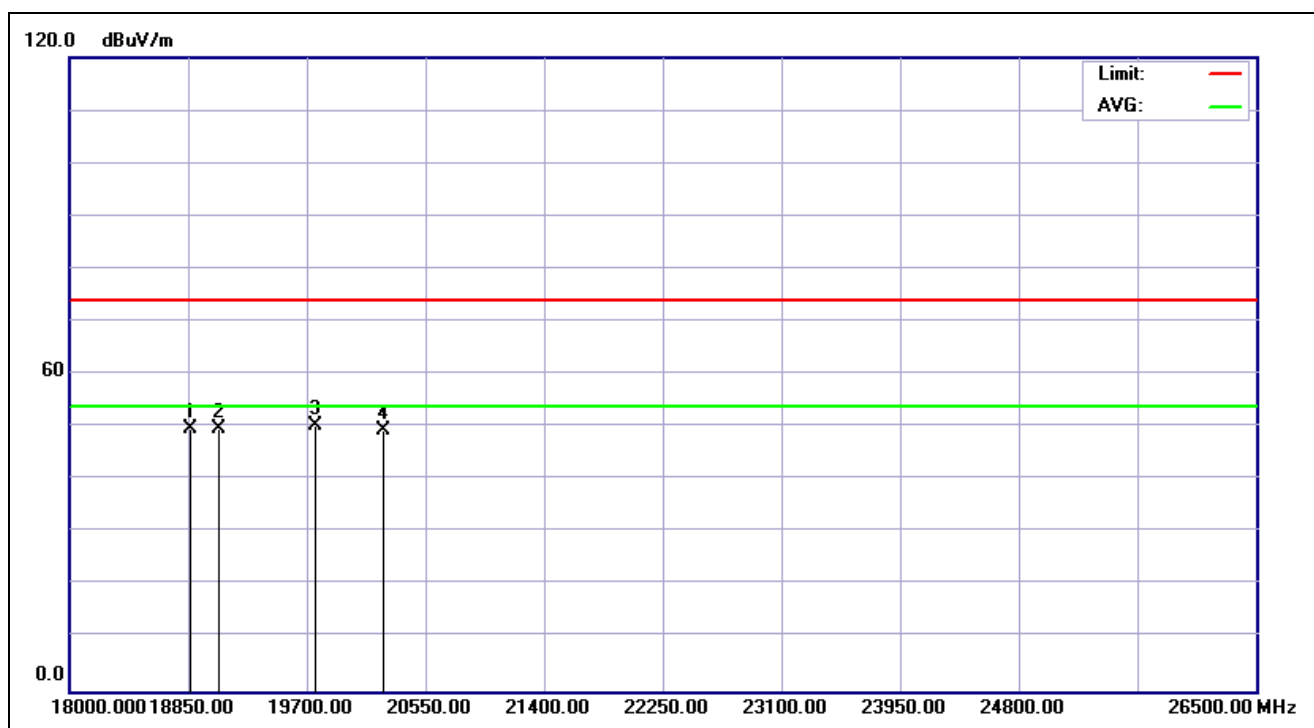
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<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:51:57</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2402)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18790.064	29.33	20.53	49.86	74.00	-24.14	peak			
2	19185.096	29.56	20.10	49.66	74.00	-24.34	peak			
3	20792.468	29.58	19.88	49.46	74.00	-24.54	peak			
4	23040.064	30.27	18.93	49.20	74.00	-24.80	peak			



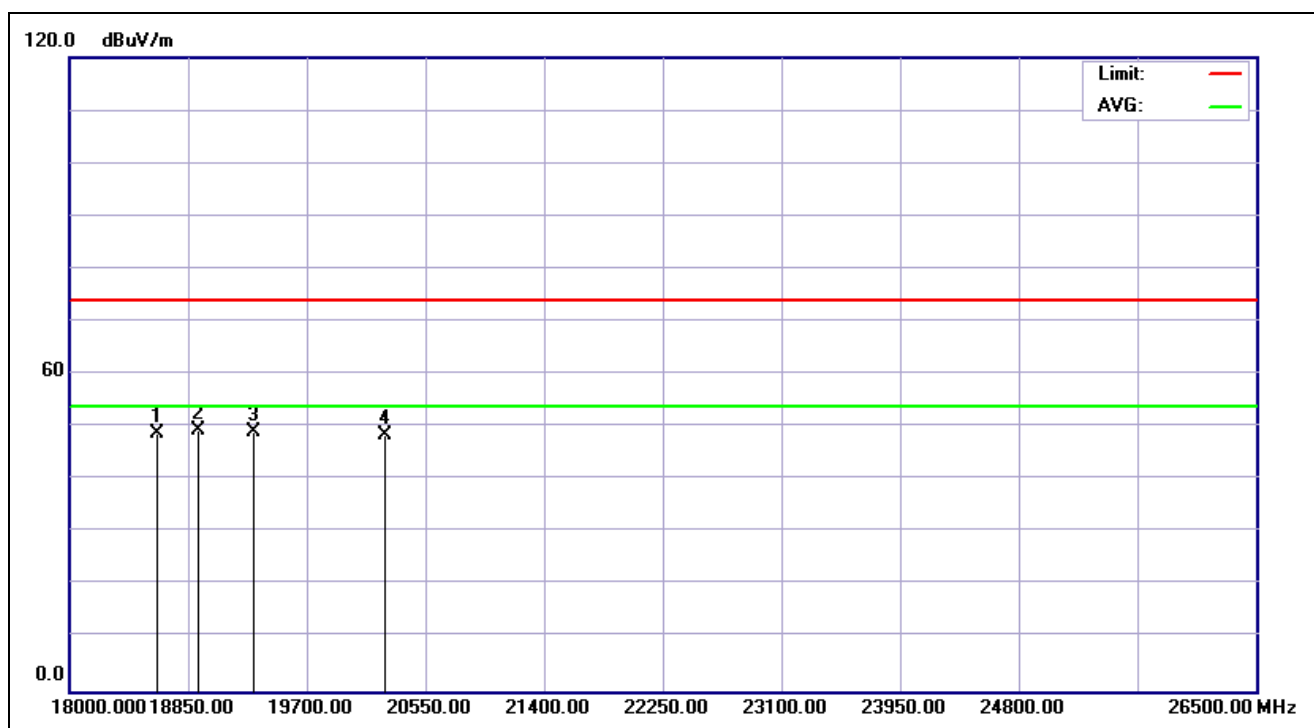
<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:49:22</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2402)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18858.173	29.54	19.98	49.52	74.00	-24.48	peak			
2	19893.429	29.22	20.48	49.70	74.00	-24.30	peak			
3	21841.346	29.42	20.49	49.91	74.00	-24.09	peak			
4	22209.135	29.23	20.51	49.74	74.00	-24.26	peak			



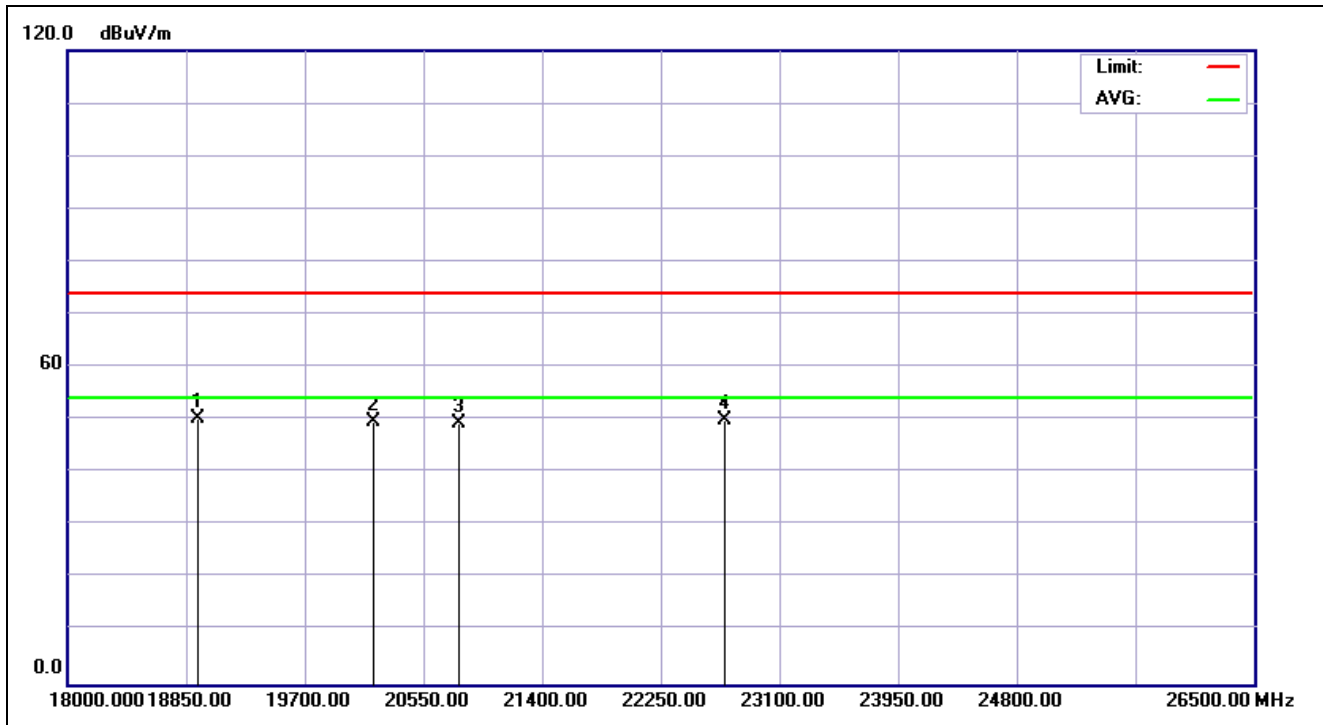
Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/9/16 19:08:20
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%):	24(°C)/52%
Model No.:	53PW01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode(2442)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18871.795	29.59	20.10	49.69	74.00	-24.31	peak			
2	19076.122	29.81	19.88	49.69	74.00	-24.31	peak			
3	19757.212	29.10	21.23	50.33	74.00	-23.67	peak			
4	20247.596	29.44	19.85	49.29	74.00	-24.71	peak			



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 19:09:29</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2442)</b>		
<b>Remark:</b>			

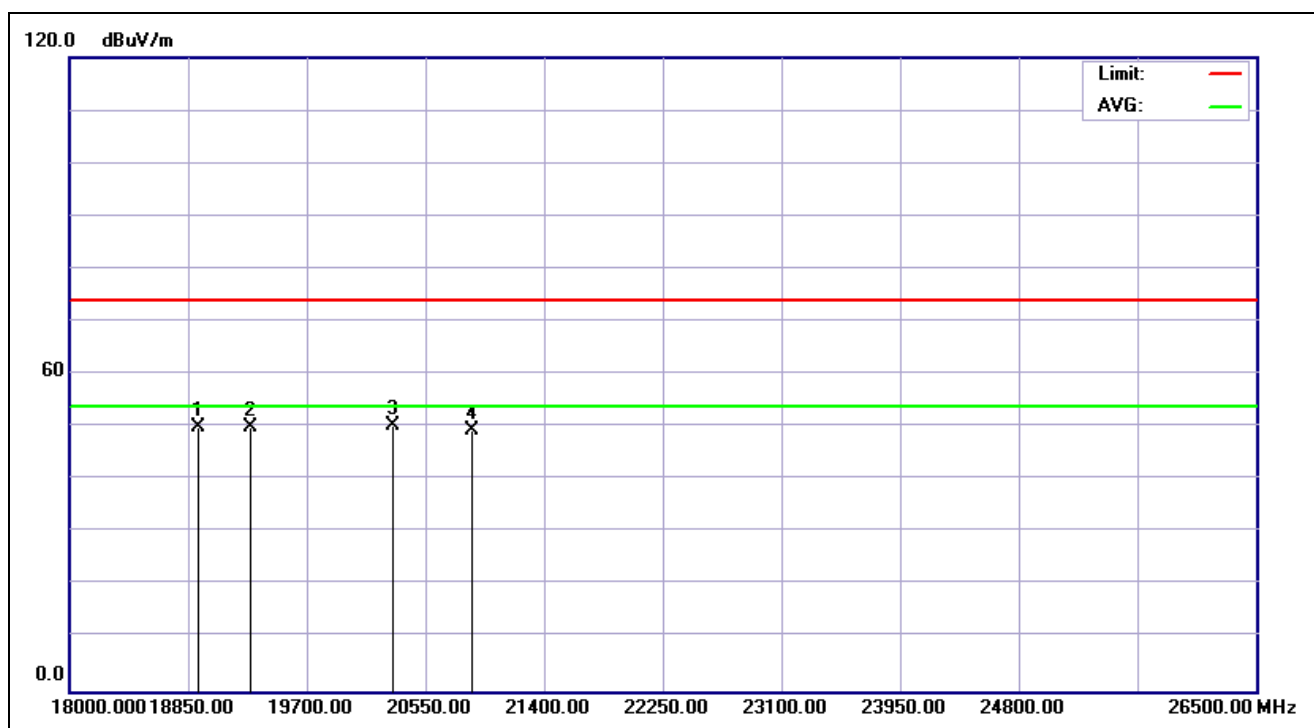
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18626.603	28.83	19.78	48.61	74.00	-25.39	peak			
2	18926.282	29.75	19.65	49.40	74.00	-24.60	peak			
3	19321.314	29.27	19.71	48.98	74.00	-25.02	peak			
4	20261.218	29.45	18.98	48.43	74.00	-25.57	peak			



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:30:35</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2480)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18939.904	29.80	20.34	50.14	74.00	-23.86	peak			
2	20193.109	29.42	20.16	49.58	74.00	-24.42	peak			
3	20806.090	29.58	19.63	49.21	74.00	-24.79	peak			
4	22713.141	29.54	20.31	49.85	74.00	-24.15	peak			





<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 15:33:38</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode(2480)</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	18926.282	29.75	20.26	50.01	74.00	-23.99	peak			
2	19294.071	29.33	20.49	49.82	74.00	-24.18	peak			
3	20315.705	29.48	20.87	50.35	74.00	-23.65	peak			
4	20887.821	29.58	19.88	49.46	74.00	-24.54	peak			

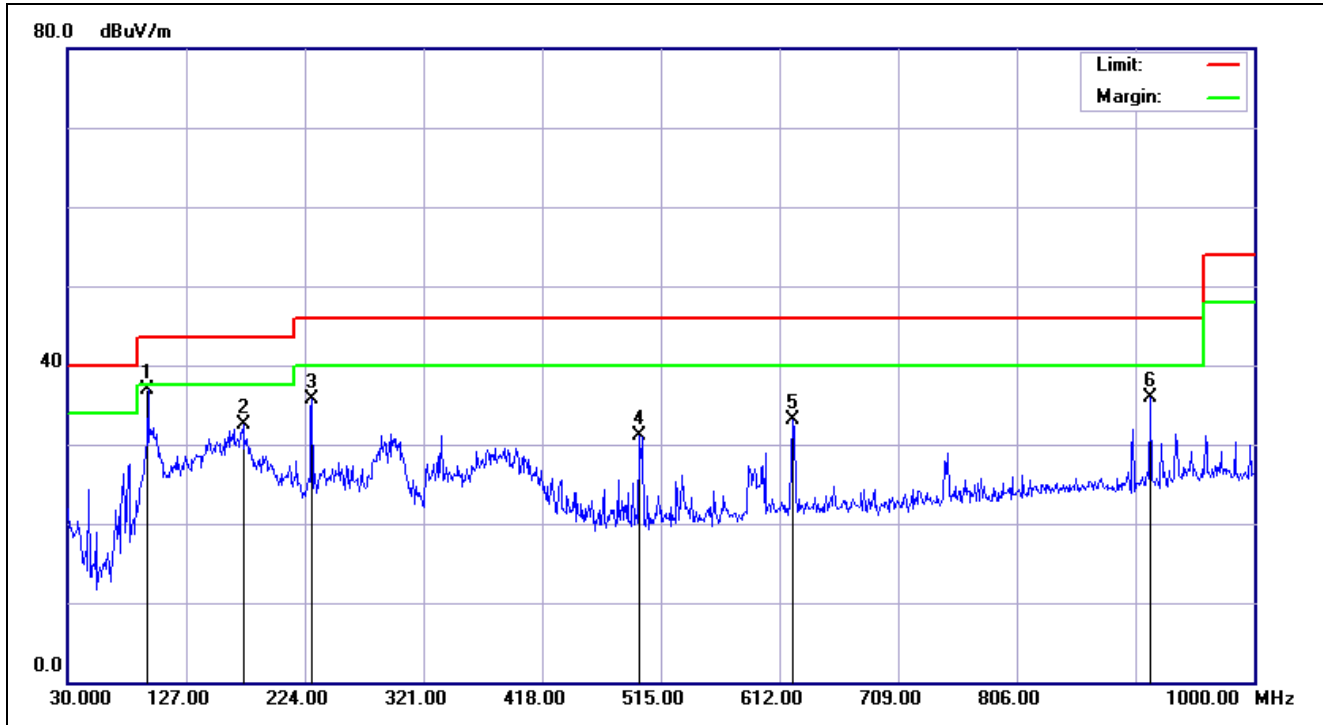
# Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

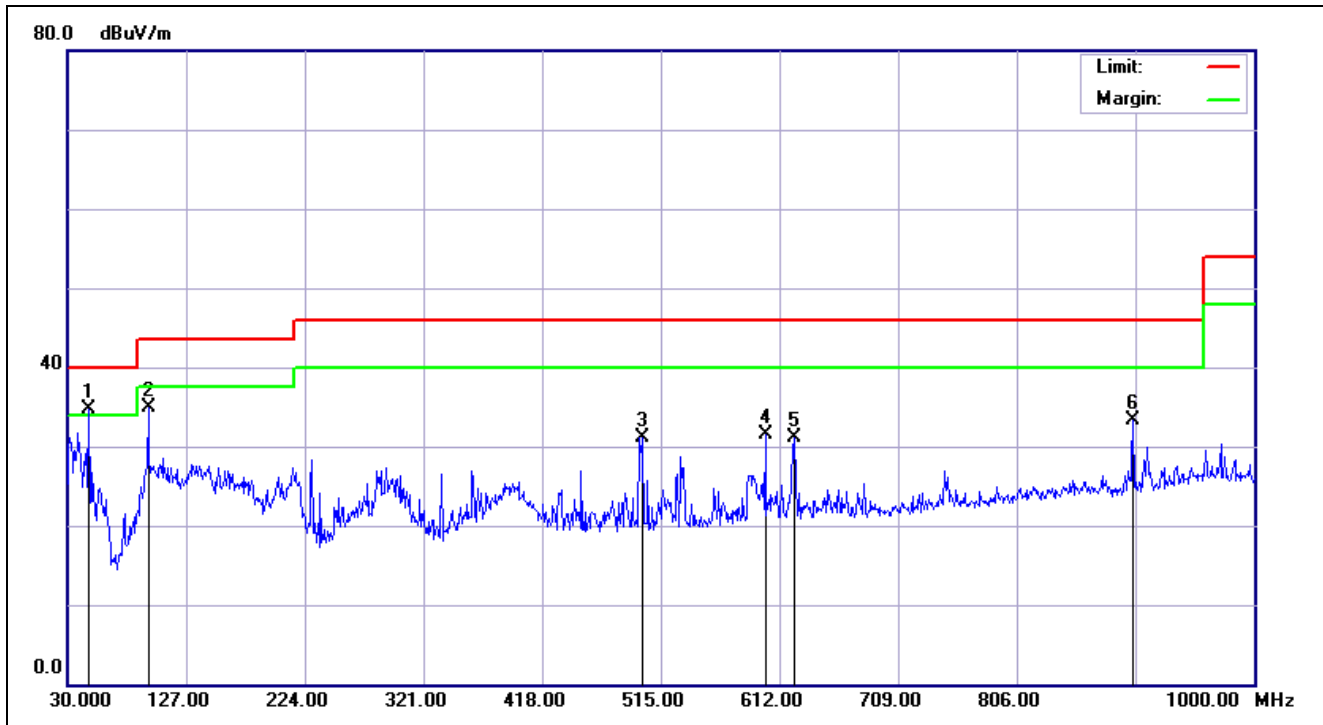
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



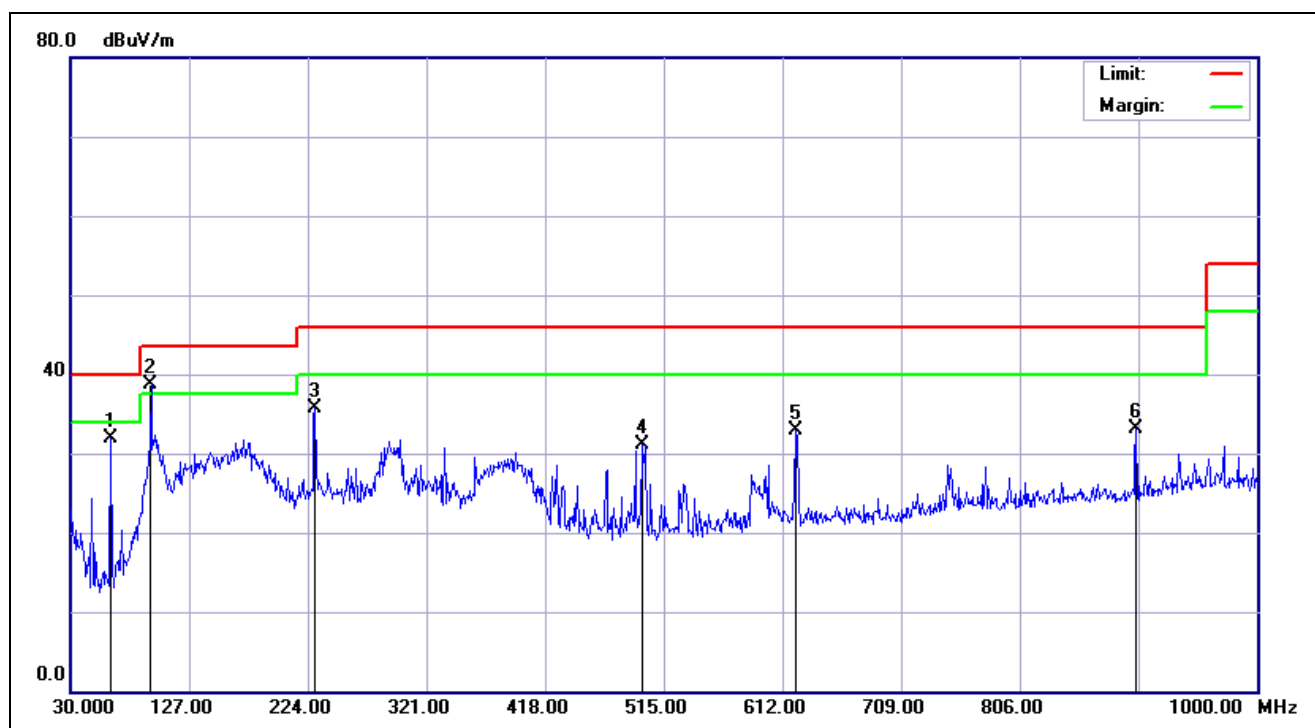
Service No.:	114012878-FCC	Test Distance:	3M
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/9/16 16:56:05
Applicant:	Kye	Test Rating:	USB DC 5V
Product:	PENCIL	Temp.(°C)/Hum.(%)	24(°C)/52%
Model No.:	53PA01	Test Engineer:	Webber Chung
Test Mode:	Tx Mode		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	95.9599	-15.80	52.65	36.85	43.50	-6.65	QP	400	147	
2	173.5600	-15.12	47.72	32.60	43.50	-10.90	QP	200	209	
3	229.8200	-13.56	49.20	35.64	46.00	-10.36	QP	100	168	
4	497.5400	-7.33	38.36	31.03	46.00	-14.97	QP	100	28	
5	622.6700	-5.74	38.92	33.18	46.00	-12.82	QP	100	249	
6	915.6100	-1.63	37.44	35.81	46.00	-10.19	QP	300	139	



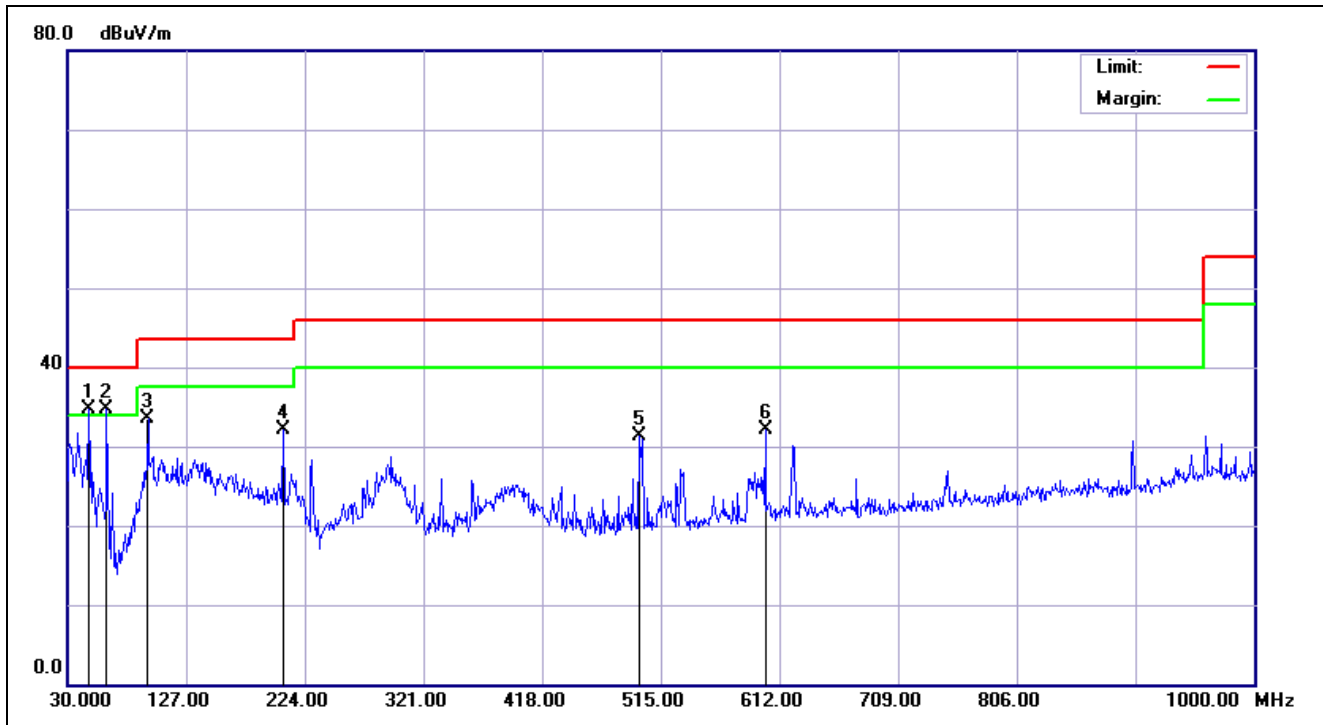
<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 17:01:02</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PA01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	47.4600	-15.73	50.35	34.62	40.00	-5.38	QP	100	212	
2	95.9600	-15.80	50.72	34.92	43.50	-8.58	QP	100	185	
3	499.4800	-7.31	38.38	31.07	46.00	-14.93	QP	100	289	
4	600.3600	-5.97	37.38	31.41	46.00	-14.59	QP	100	171	
5	624.6100	-5.72	36.80	31.08	46.00	-14.92	QP	100	308	
6	901.0600	-2.09	35.34	33.25	46.00	-12.75	QP	100	207	



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 17:13:37</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	62.9800	-19.39	51.20	31.81	40.00	-8.19	QP	100	234	
2	95.9599	-15.80	54.42	38.62	43.50	-4.88	QP	300	170	
3	229.8200	-13.56	49.25	35.69	46.00	-10.31	QP	100	187	
4	497.5400	-7.33	38.42	31.09	46.00	-14.91	QP	100	58	
5	622.6700	-5.74	38.57	32.83	46.00	-13.17	QP	200	37	
6	901.0600	-2.09	35.12	33.03	46.00	-12.97	QP	100	168	



<b>Service No.:</b>	<b>114012878-FCC</b>	<b>Test Distance:</b>	<b>3M</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/9/16 17:18:34</b>
<b>Applicant:</b>	<b>Kye</b>	<b>Test Rating:</b>	<b>USB DC 5V</b>
<b>Product:</b>	<b>PENCIL</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>24(°C)/52%</b>
<b>Model No.:</b>	<b>53PW01</b>	<b>Test Engineer:</b>	<b>Webber Chung</b>
<b>Test Mode:</b>	<b>Tx Mode</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	47.4600	-15.73	50.42	34.69	40.00	-5.31	QP	100	227	
2	62.0100	-19.47	54.12	34.65	40.00	-5.35	QP	100	22	
3	95.9599	-15.80	49.28	33.48	43.50	-10.02	QP	100	168	
4	206.5400	-14.67	46.83	32.16	43.50	-11.34	QP	300	116	
5	497.5400	-7.33	38.54	31.21	46.00	-14.79	QP	100	281	
6	600.3600	-5.97	38.07	32.10	46.00	-13.90	QP	100	168	