Test Report No.10052223 10052231 001

Appendix D: Radiated Spurious Emission Data

(File: 10052223 10052231AppendixD)

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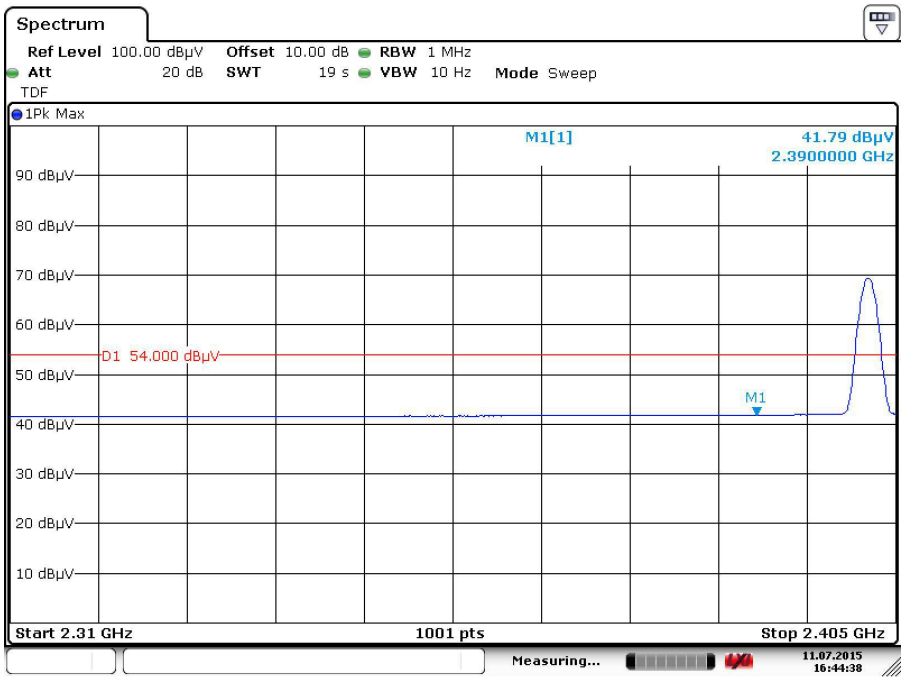
Radiated Bandedge (GFSK)

Low Channel (Hor)



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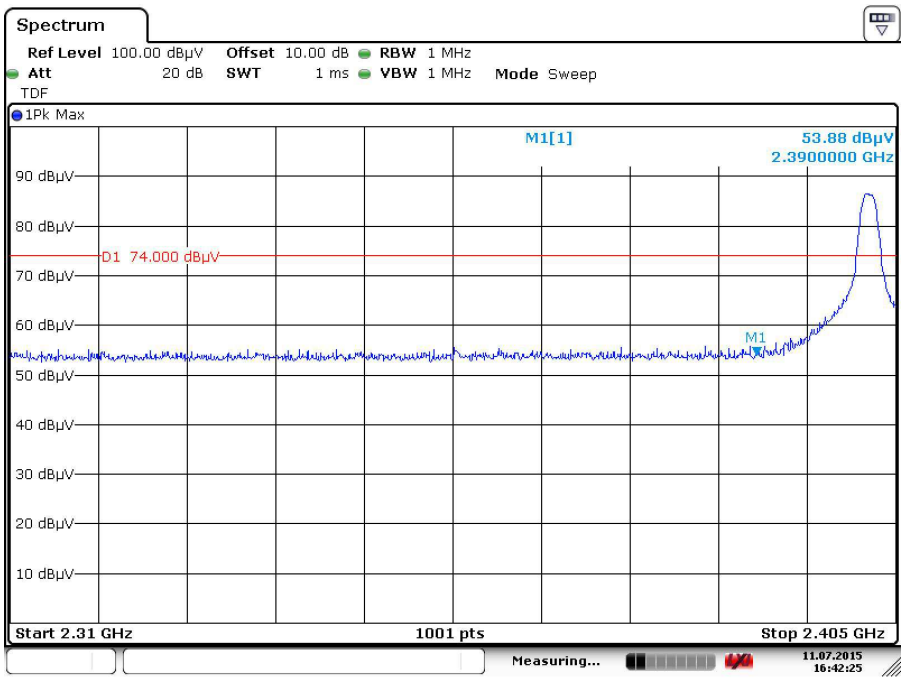

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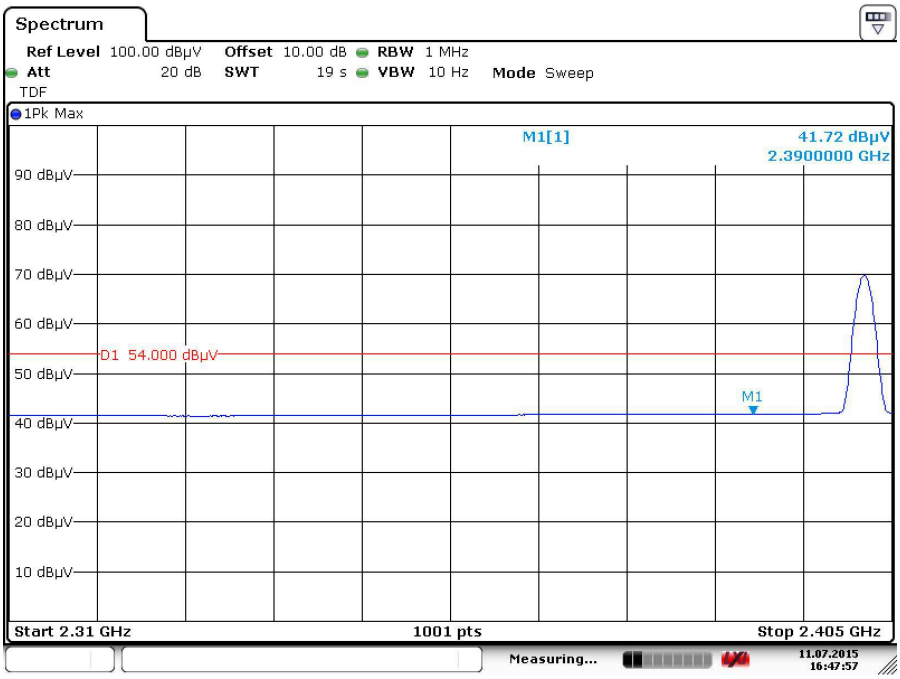
Low Channel (Ver)



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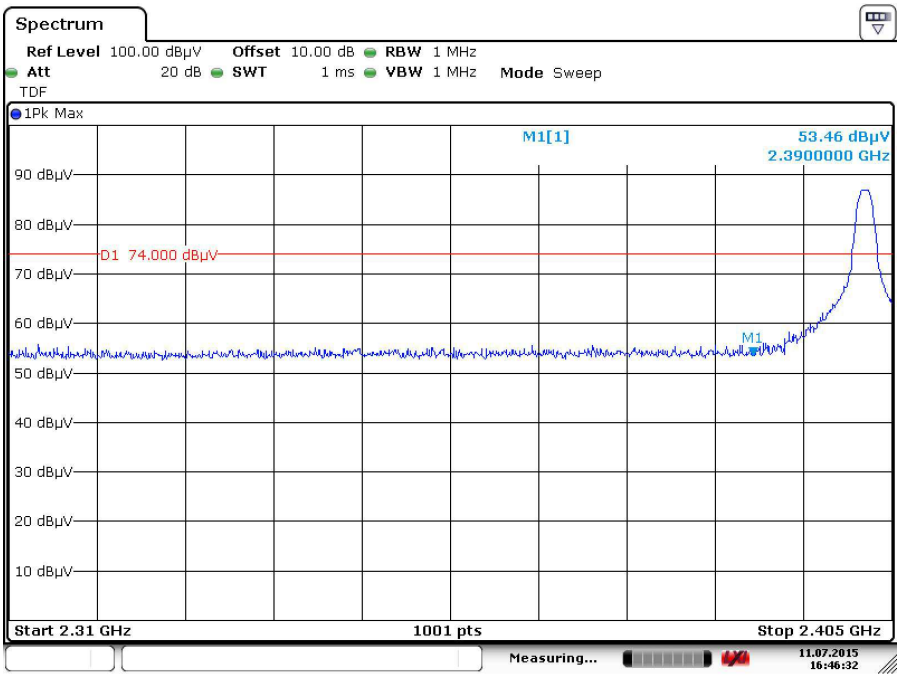

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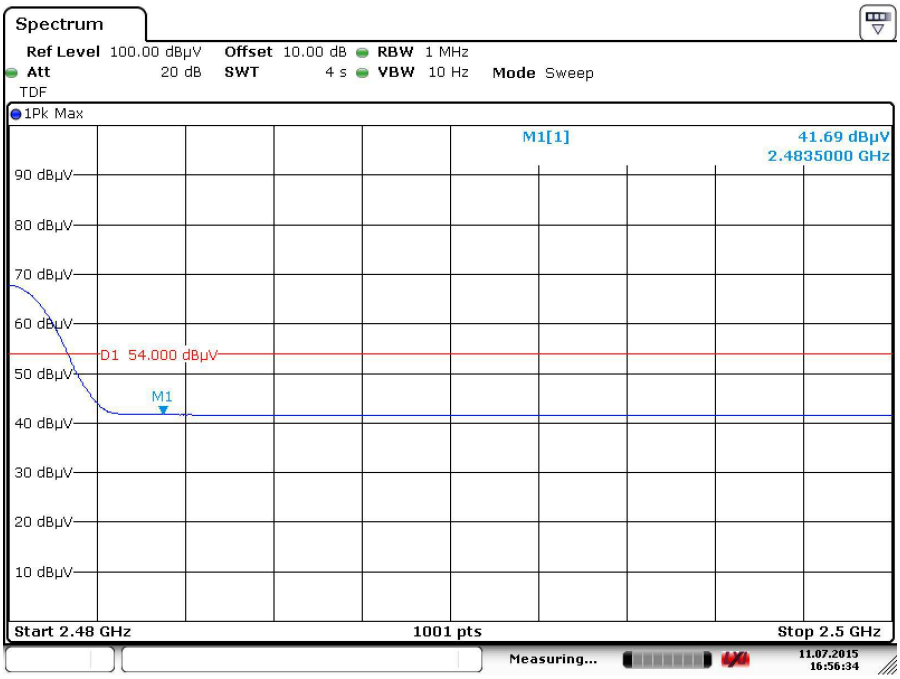
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (8DPSK)

High Channel (Hor)



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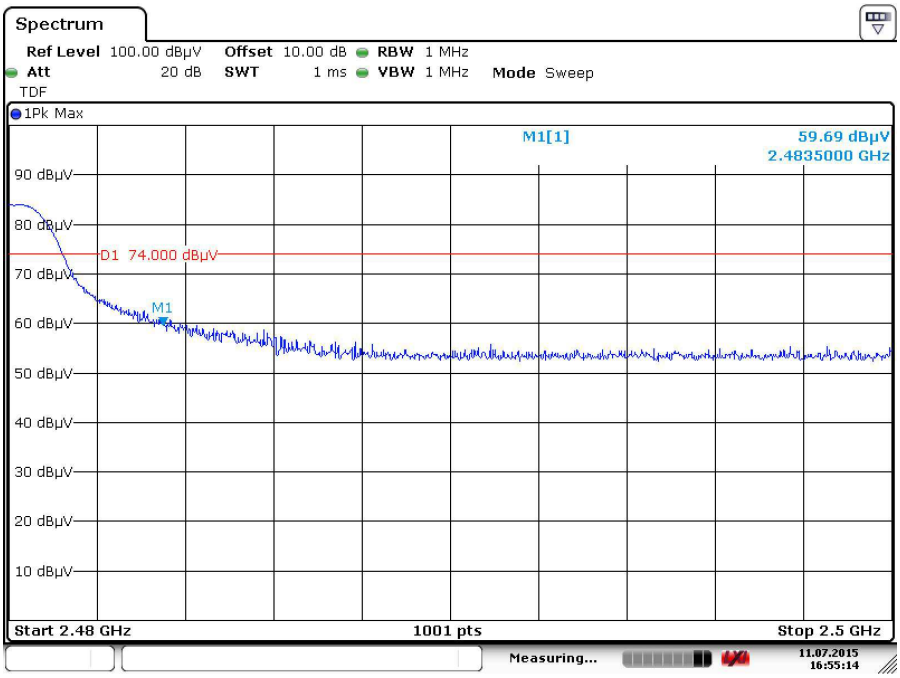

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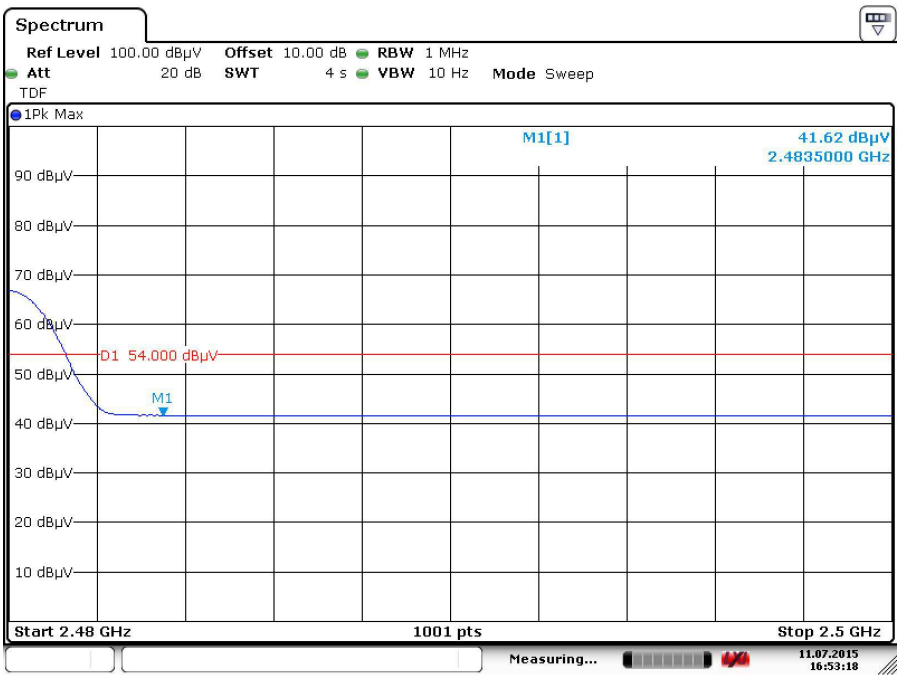
Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



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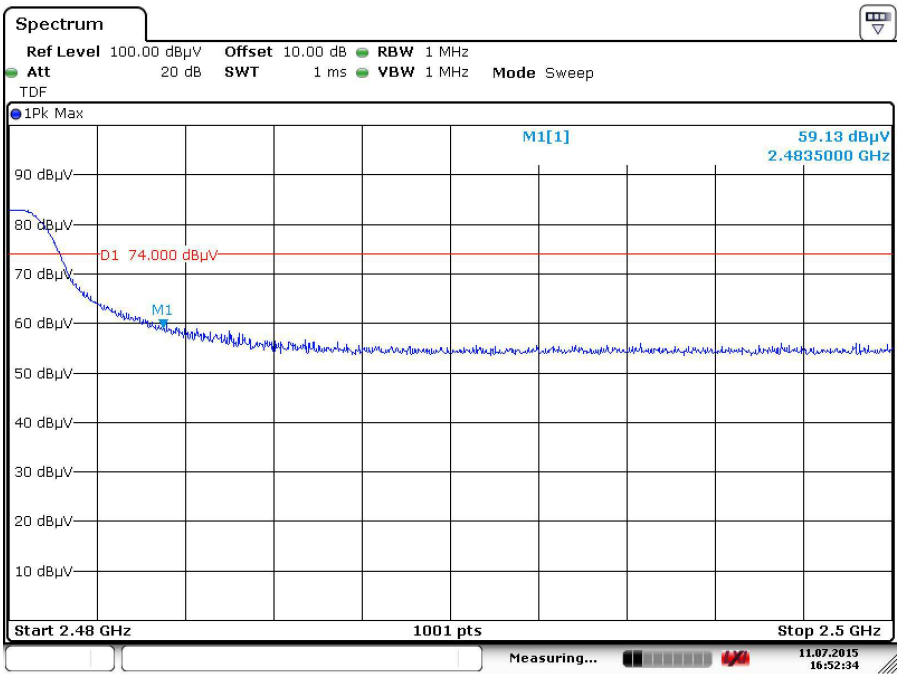

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Spurious Emissions, Band Edge, 2.35-2.5G

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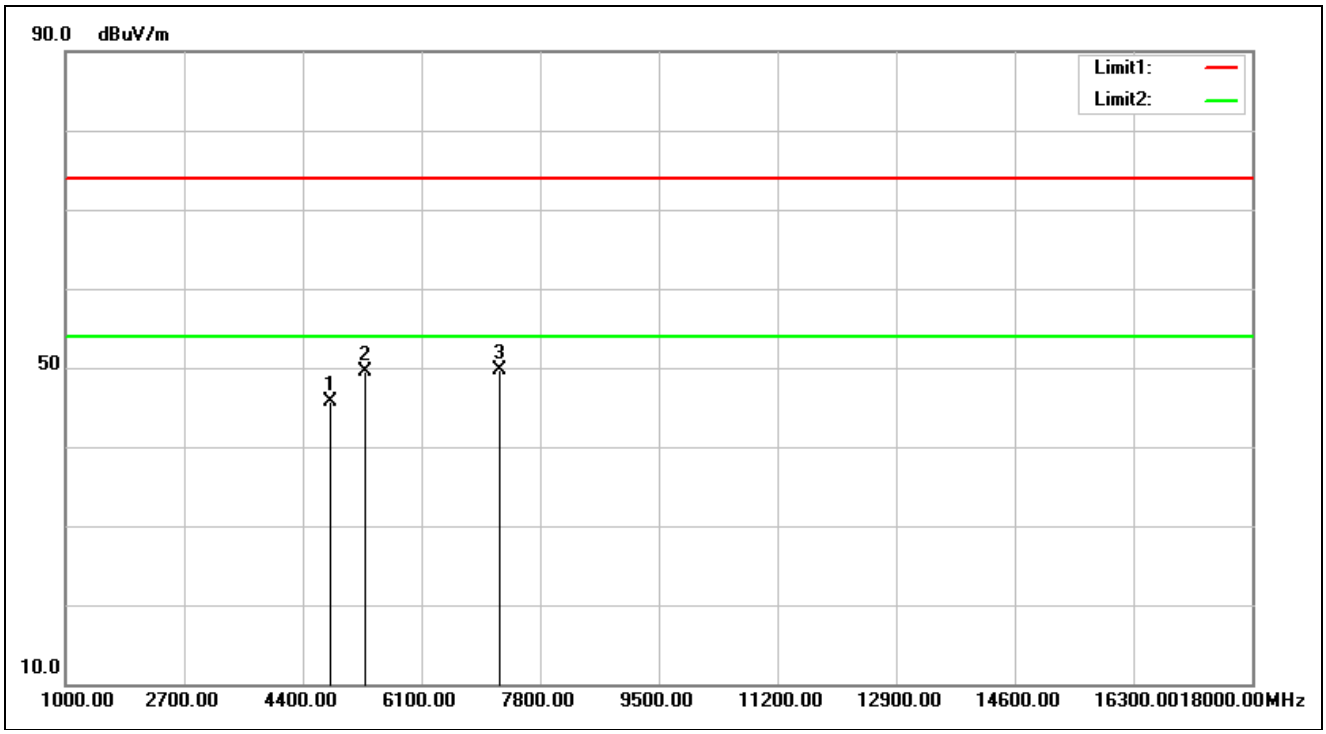

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:01:14**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4804.000	-2.35	48.03	45.68	74.00	-28.32	peak		0	
2	5301.000	-0.24	49.65	49.41	74.00	-24.59	peak	100	101	
3	7206.000	5.78	43.95	49.73	74.00	-24.27	peak		0	

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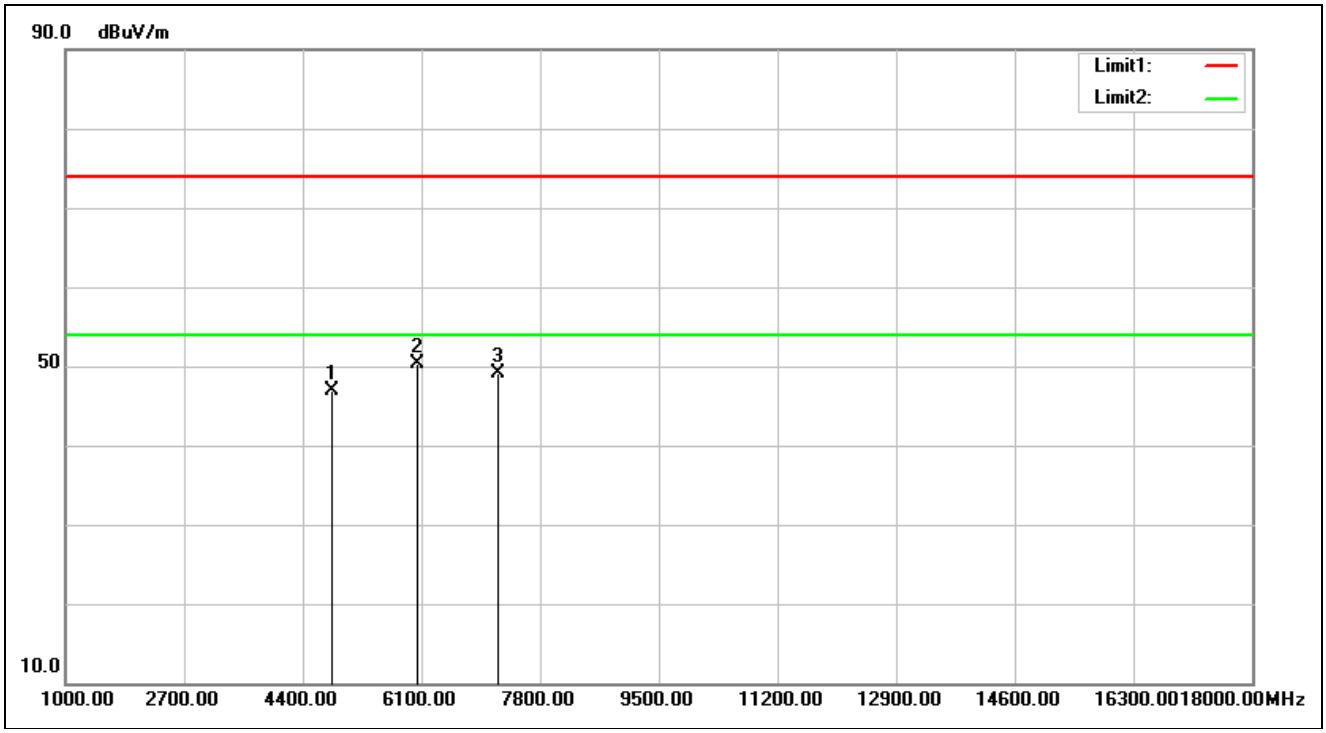

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:02:16**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4804.000	-2.35	49.18	46.83	74.00	-27.17	peak			
2	6049.000	4.27	46.00	50.27	74.00	-23.73	peak	100	67	
3	7206.000	5.78	43.27	49.05	74.00	-24.95	peak			

Spurious Emissions, TX Mode, 1-18G

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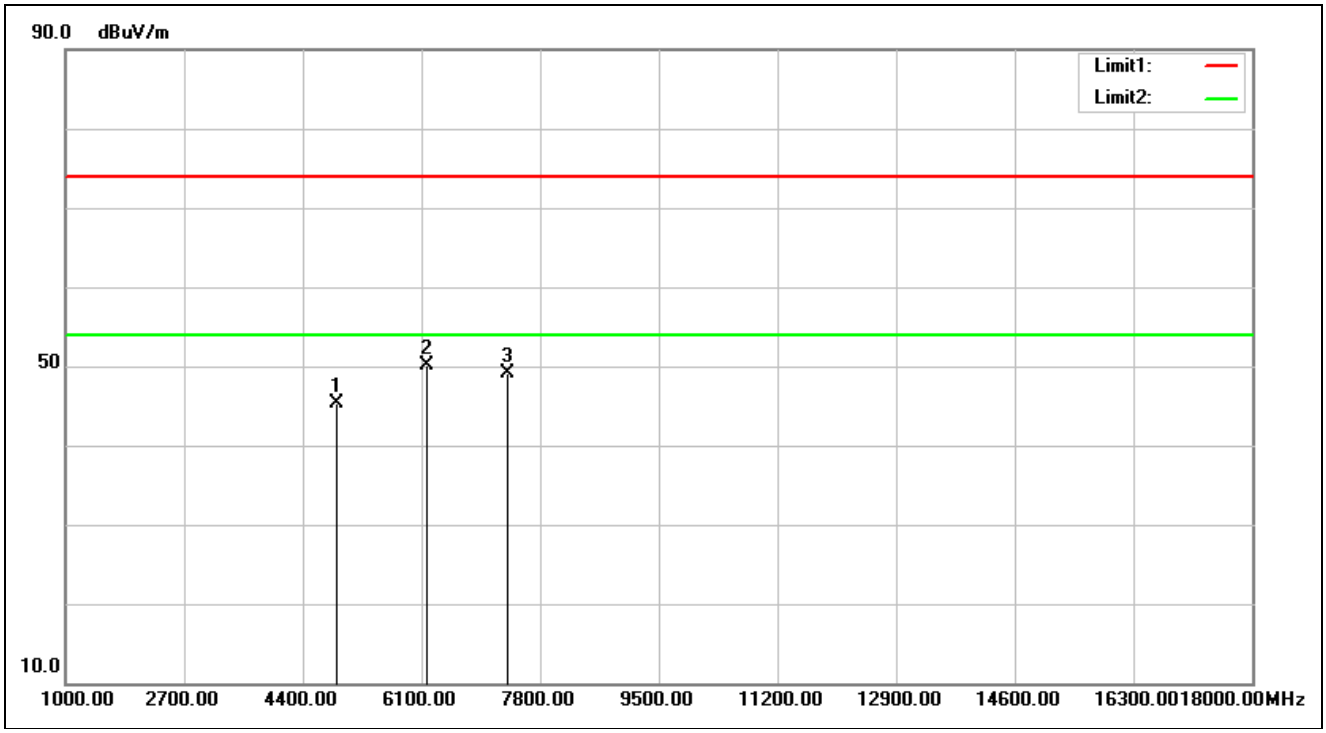

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:06:24**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4884.000	-2.15	47.38	45.23	74.00	-28.77	peak			
2	6168.000	4.73	45.44	50.17	74.00	-23.83	peak	100	40	
3	7326.000	6.14	43.02	49.16	74.00	-24.84	peak			

Spurious Emissions, TX Mode, 1-18G

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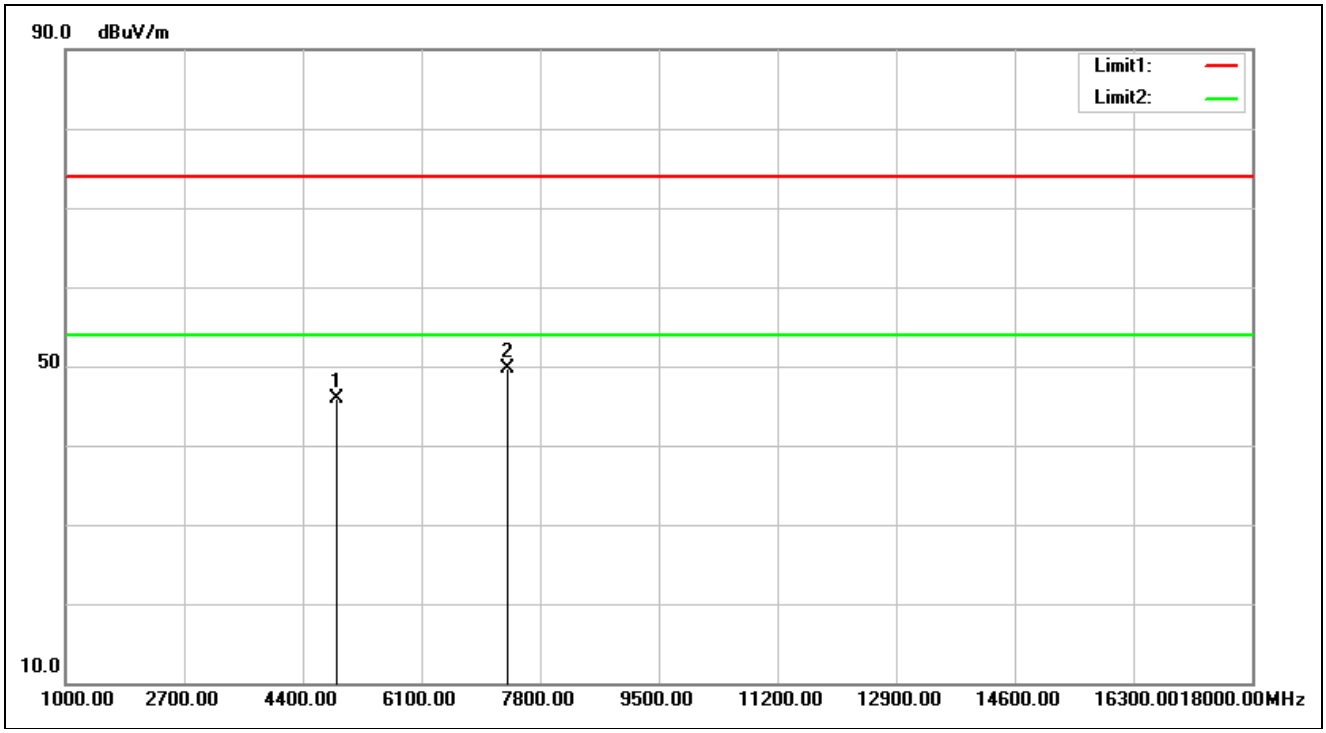

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:07:26**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4884.000	-2.15	47.96	45.81	74.00	-28.19	peak			
2	7326.000	6.14	43.62	49.76	74.00	-24.24	peak			

Spurious Emissions, TX Mode, 1-18G

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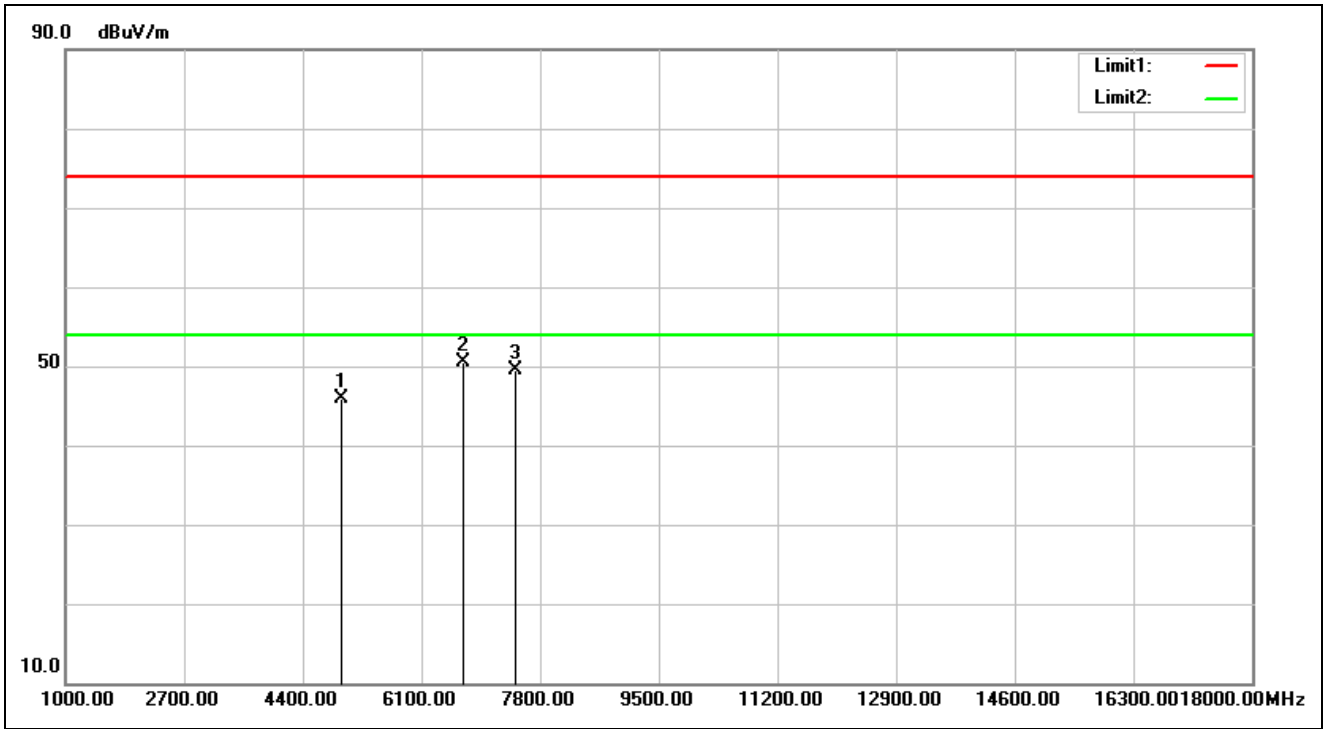

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:10:06**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4960.000	-1.97	47.90	45.93	74.00	-28.07	peak			
2	6695.000	5.70	44.72	50.42	74.00	-23.58	peak	100	57	
3	7440.000	6.47	43.02	49.49	74.00	-24.51	peak			

Spurious Emissions, TX Mode, 1-18G

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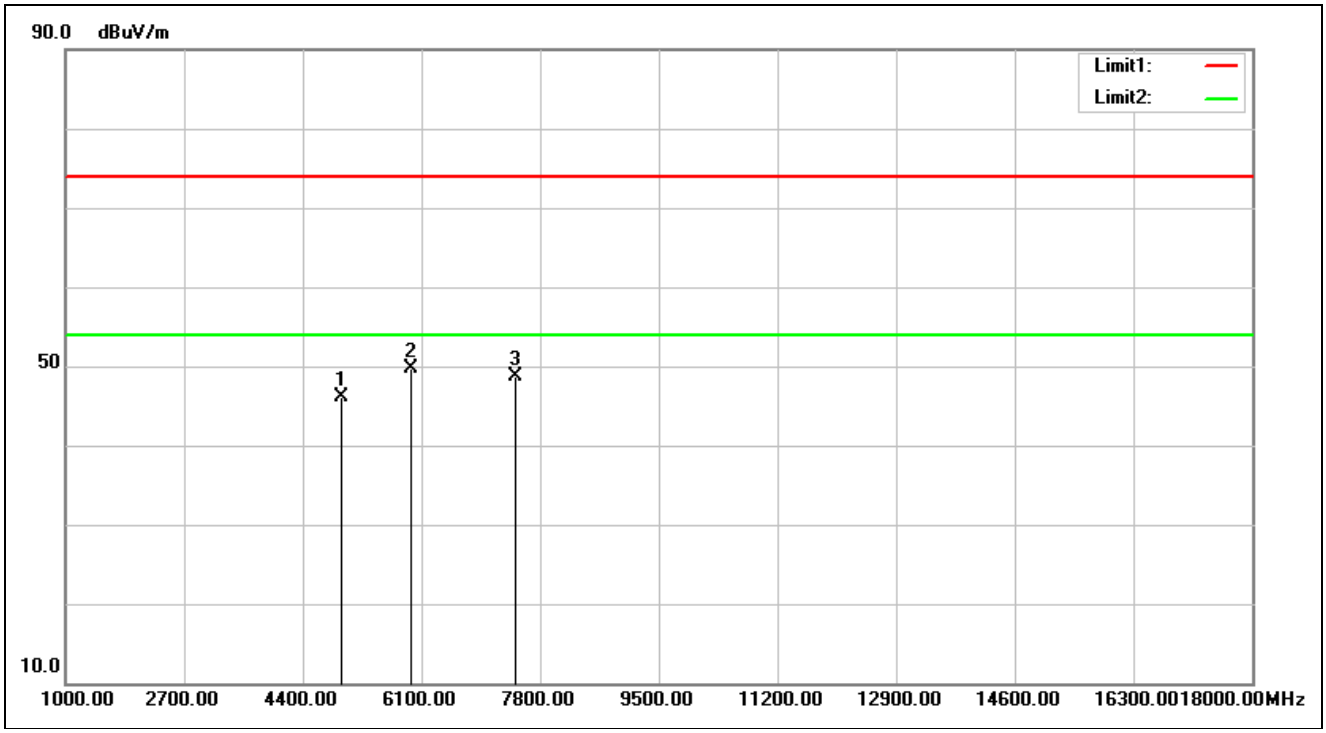

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:11:08**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4960.000	-1.97	48.09	46.12	74.00	-27.88	peak			
2	5947.000	3.74	46.06	49.80	74.00	-24.20	peak	100	0	
3	7440.000	6.47	42.27	48.74	74.00	-25.26	peak			

Spurious Emissions, TX Mode, 1-18G

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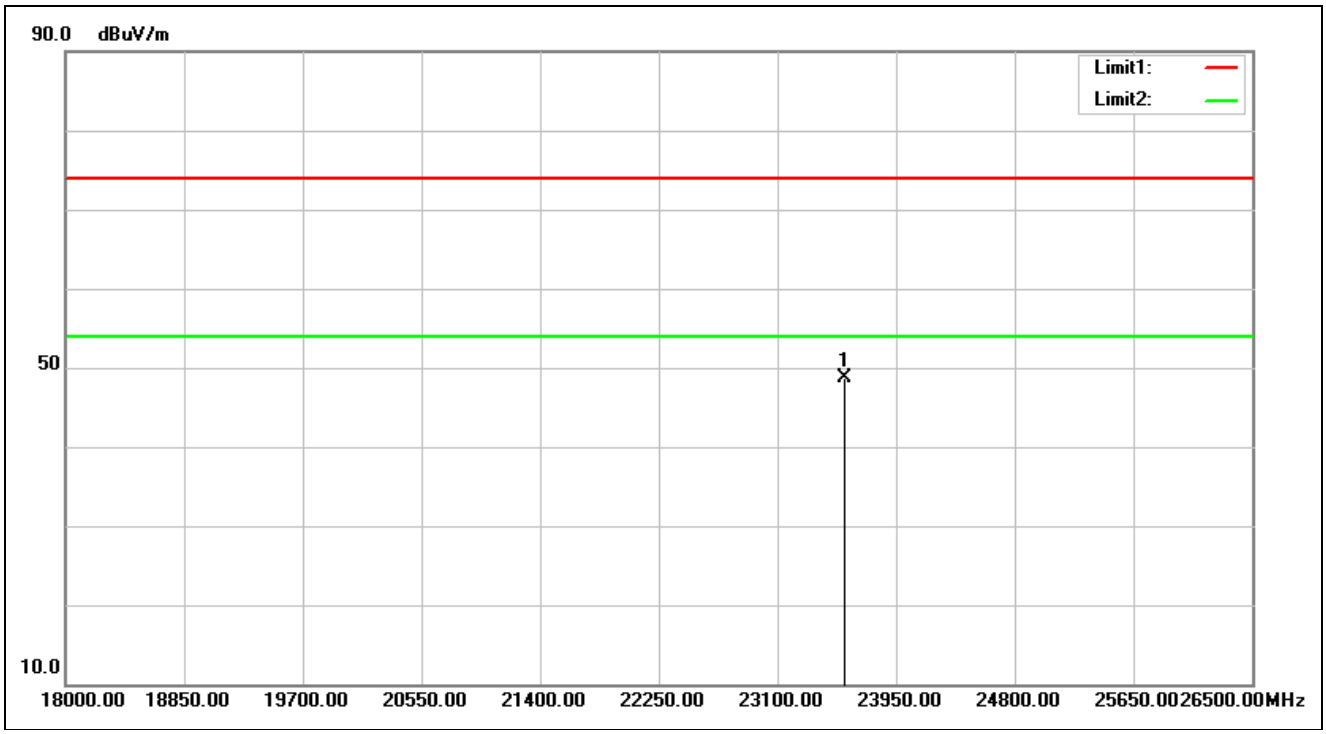

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:39:32**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	23584.500	29.36	19.31	48.67	74.00	-25.33	peak		0	

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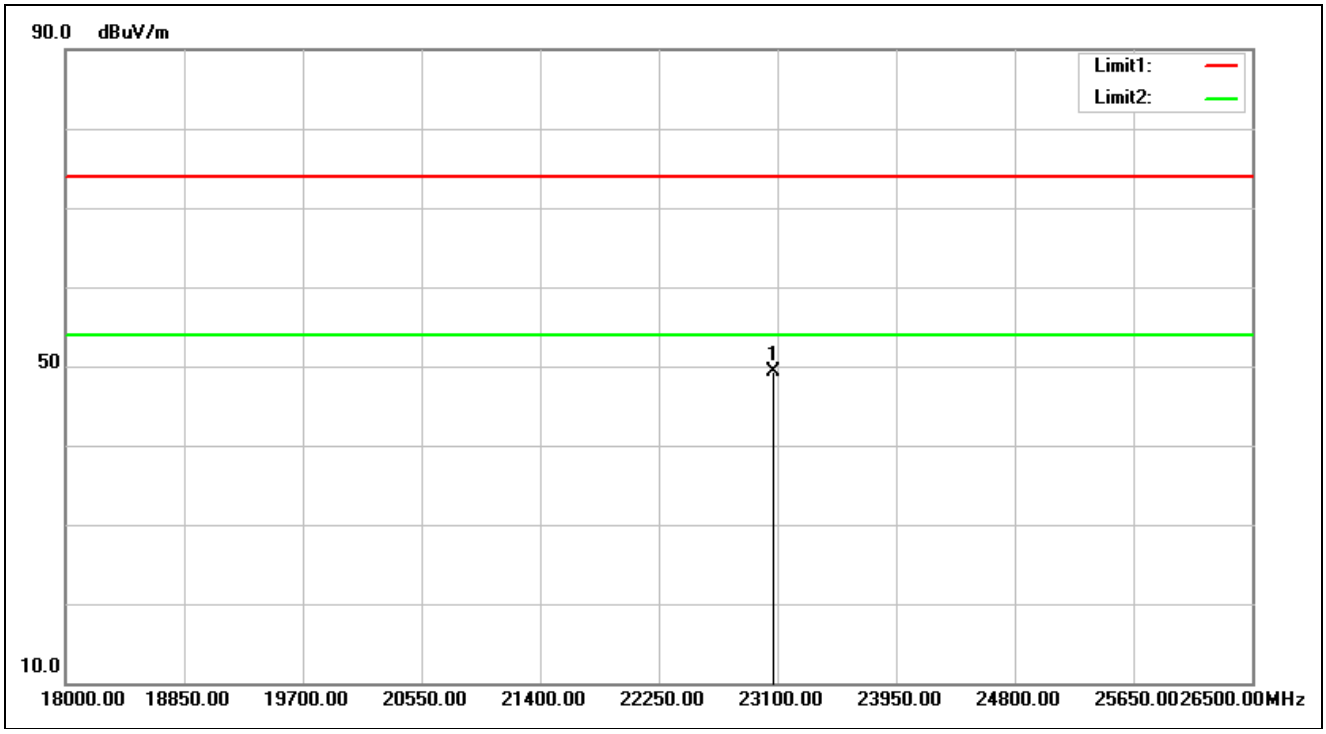

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:39:40**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	23074.500	29.84	19.50	49.34	74.00	-24.66	peak			

Spurious Emissions, TX Mode, 18-26G

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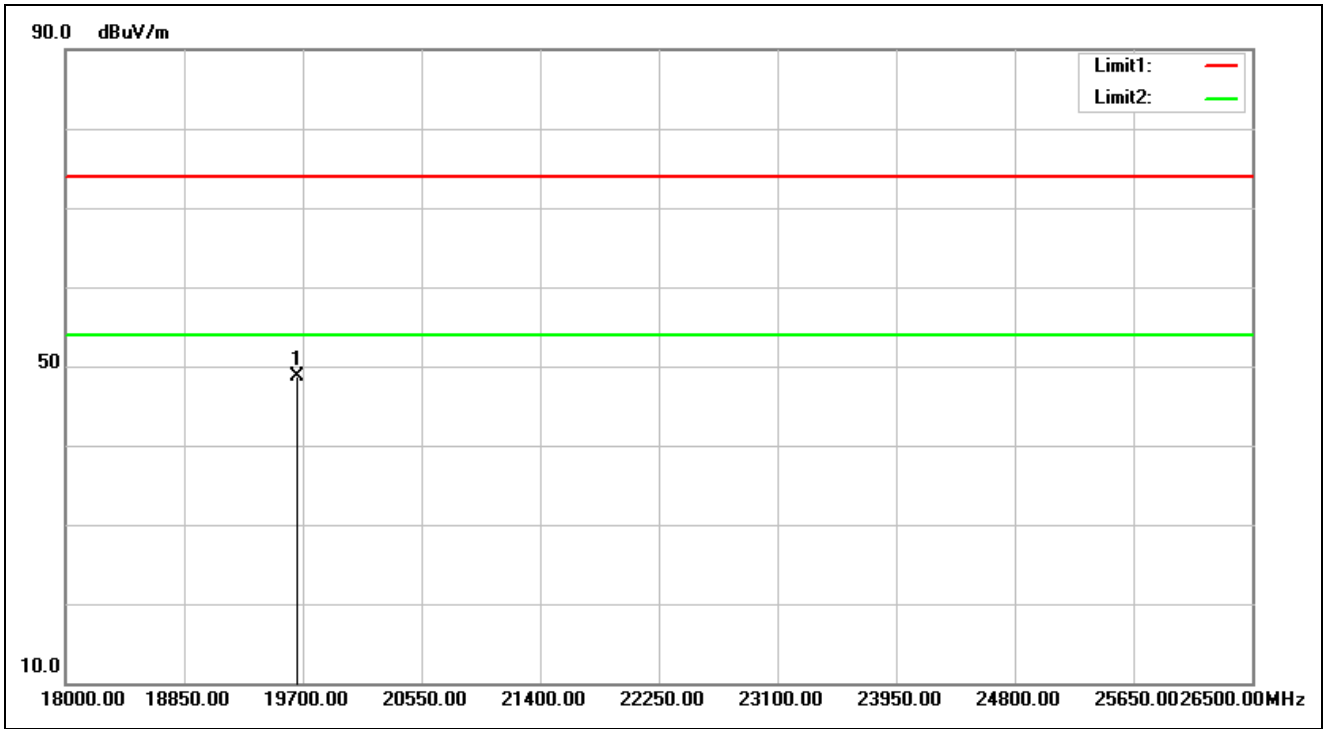

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:39:56**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	19657.500	28.95	19.83	48.78	74.00	-25.22	peak			

Spurious Emissions, TX Mode, 18-26G

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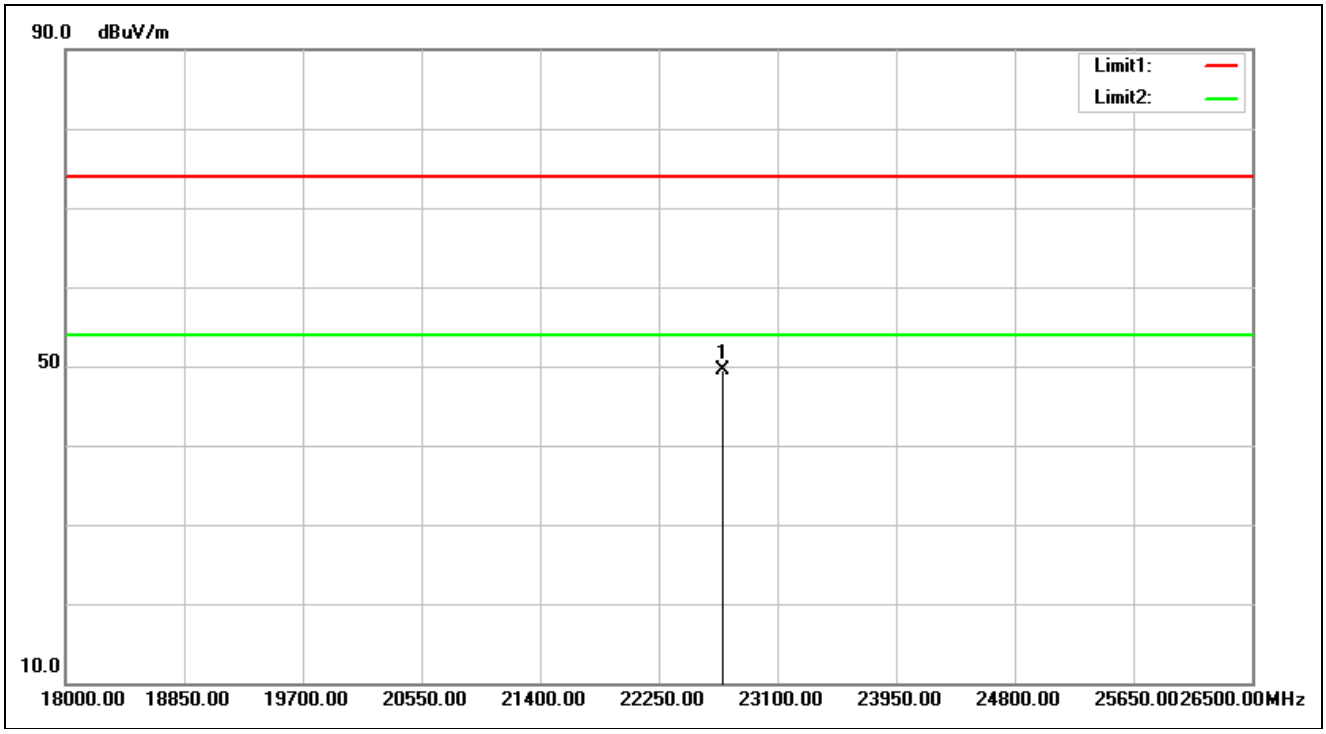

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:40:04**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	22709.000	29.52	19.96	49.48	74.00	-24.52	peak			

Spurious Emissions, TX Mode, 18-26G

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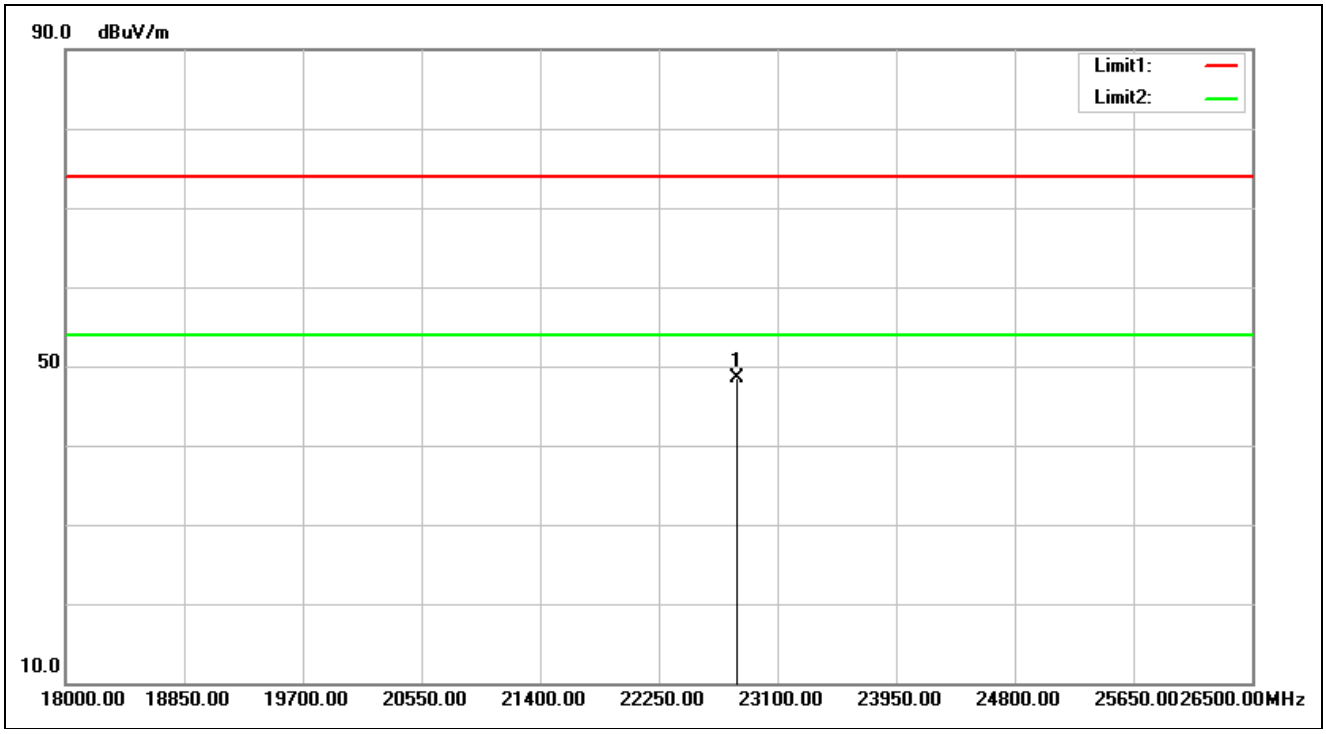

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:40:21**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	22811.000	29.66	18.85	48.51	74.00	-25.49	peak			

Spurious Emissions, TX Mode, 18-26G

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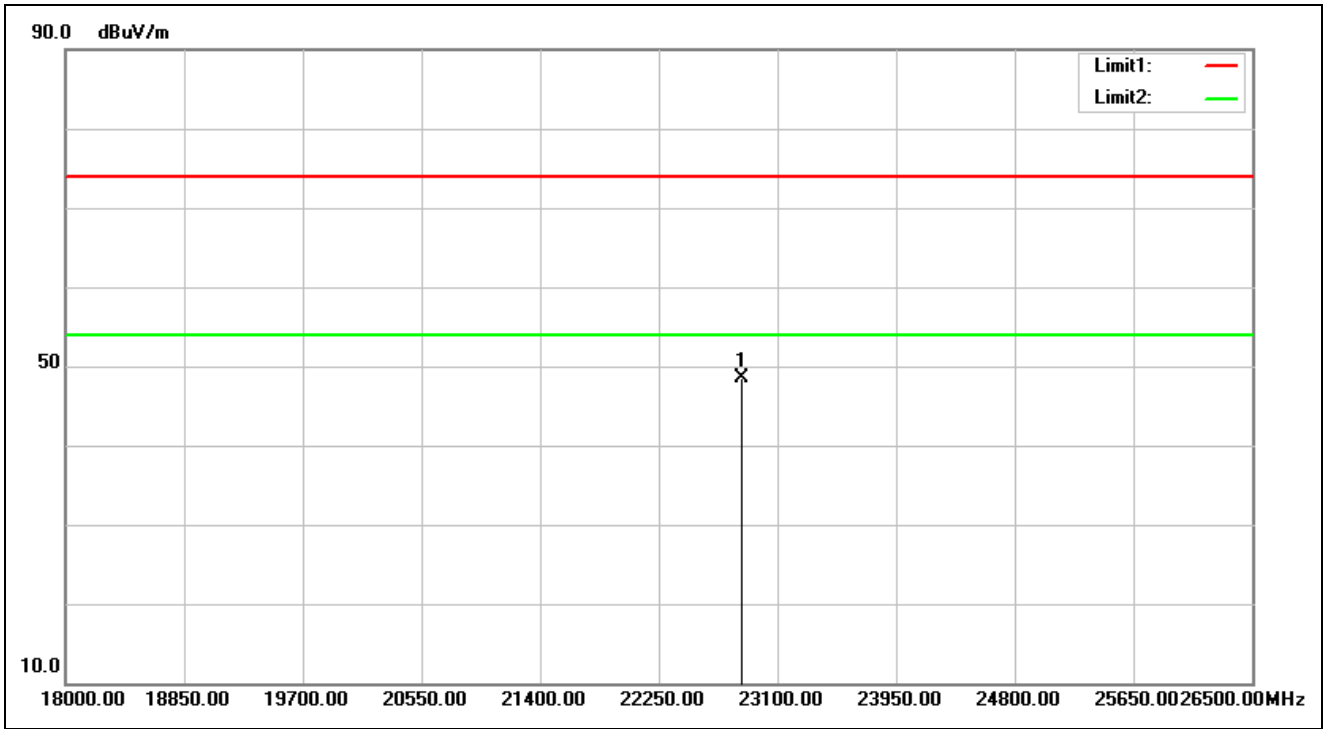

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:40:39**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	22845.000	29.71	18.82	48.53	74.00	-25.47	peak			

Spurious Emissions, TX Mode, 18-26G

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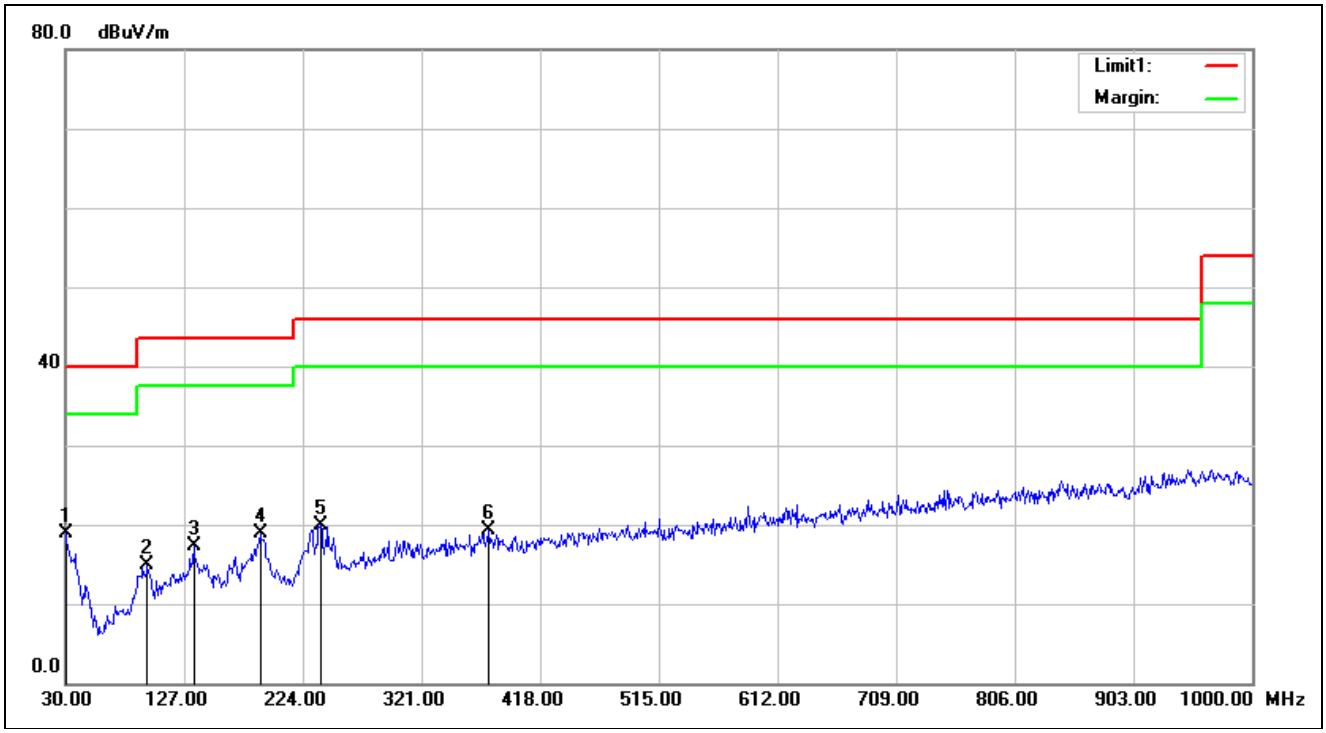

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/13 18:47:06**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**23(℃)/51%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.0000	-6.03	25.02	18.99	40.00	-21.01	QP	100	9	
2	96.9300	-15.56	30.54	14.98	43.50	-28.52	QP	100	213	
3	134.7599	-12.73	30.09	17.36	43.50	-26.14	QP	100	150	
4	189.0800	-15.35	34.18	18.83	43.50	-24.67	QP	100	264	
5	238.5500	-12.71	32.53	19.82	46.00	-26.18	QP	100	307	
6	376.2900	-8.89	28.19	19.30	46.00	-26.70	QP	100	17	

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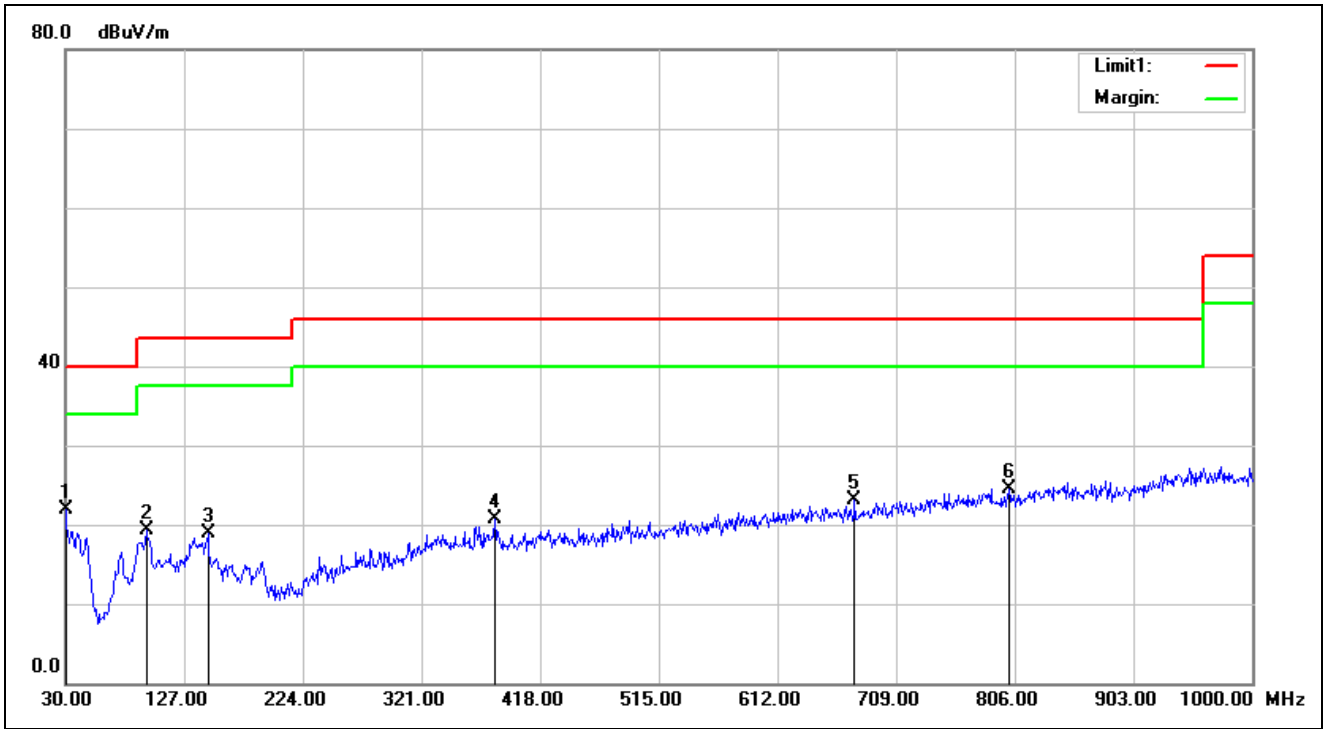

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/13 18:48:09**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**23(℃)/51%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.0000	-6.03	27.86	21.83	40.00	-18.17	QP	100	351	
2	95.9600	-15.71	35.07	19.36	43.50	-24.14	QP	100	255	
3	146.4000	-12.97	31.90	18.93	43.50	-24.57	QP	100	255	
4	381.1400	-8.82	29.55	20.73	46.00	-25.27	QP	100	83	
5	675.0500	-5.13	28.17	23.04	46.00	-22.96	QP	100	160	
6	801.1500	-3.29	27.86	24.57	46.00	-21.43	QP	100	290	

Spurious Emissions, TX Mode, 30M-1G

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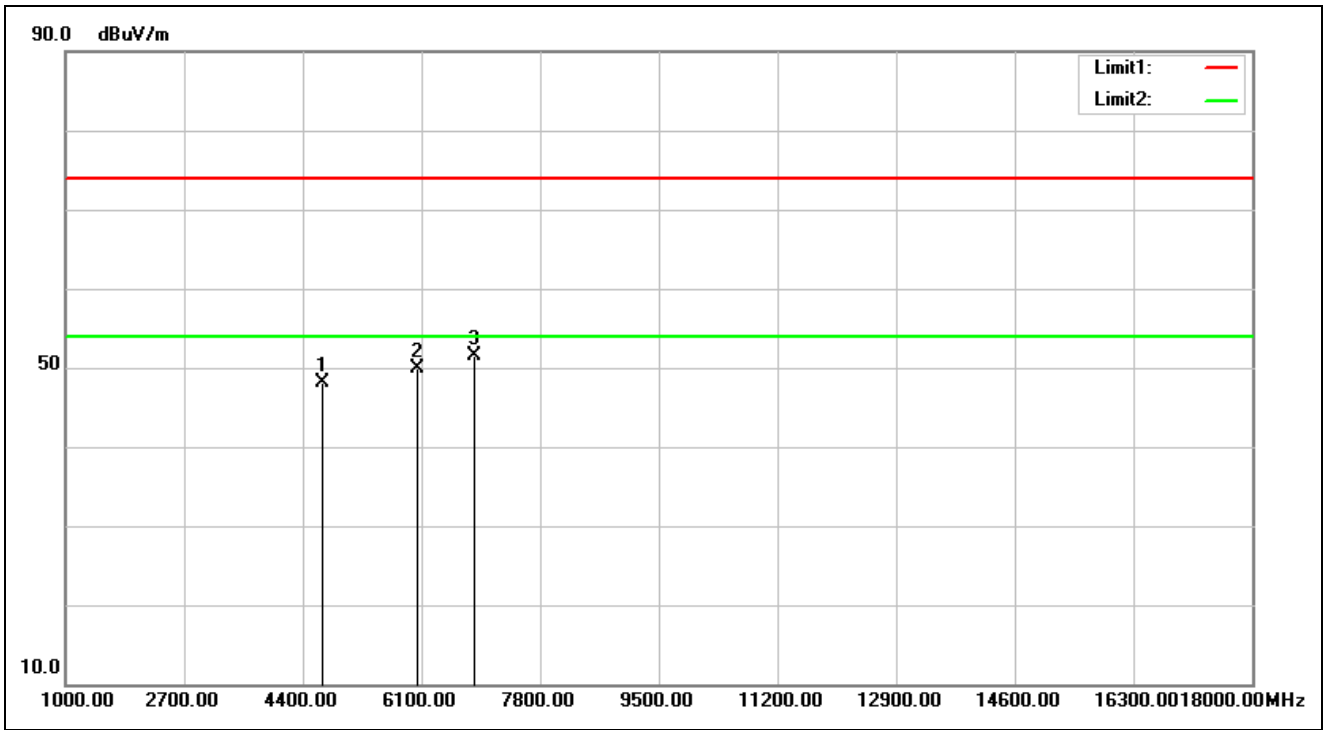

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:15:28**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4689.000	-2.62	50.81	48.19	74.00	-25.81	peak	100	57	
2	6049.000	4.27	45.62	49.89	74.00	-24.11	peak	100	123	
3	6848.000	5.43	46.00	51.43	74.00	-22.57	peak	100	73	

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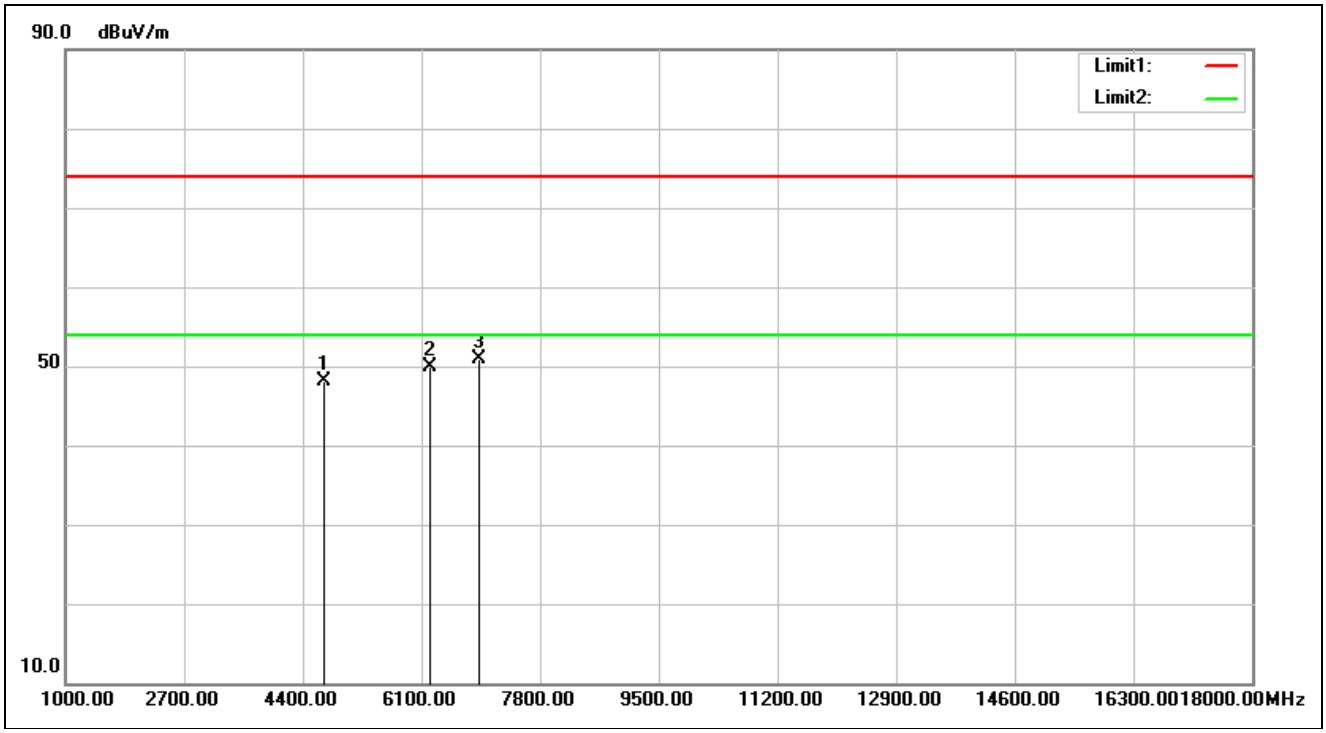

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:16:30**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (◦)	Remark
1	4706.000	-2.59	50.71	48.12	74.00	-25.88	peak	100	195	
2	6219.000	4.93	44.90	49.83	74.00	-24.17	peak	100	0	
3	6916.000	5.31	45.59	50.90	74.00	-23.10	peak	100	268	

Spurious Emissions, RX Mode, 1-18G

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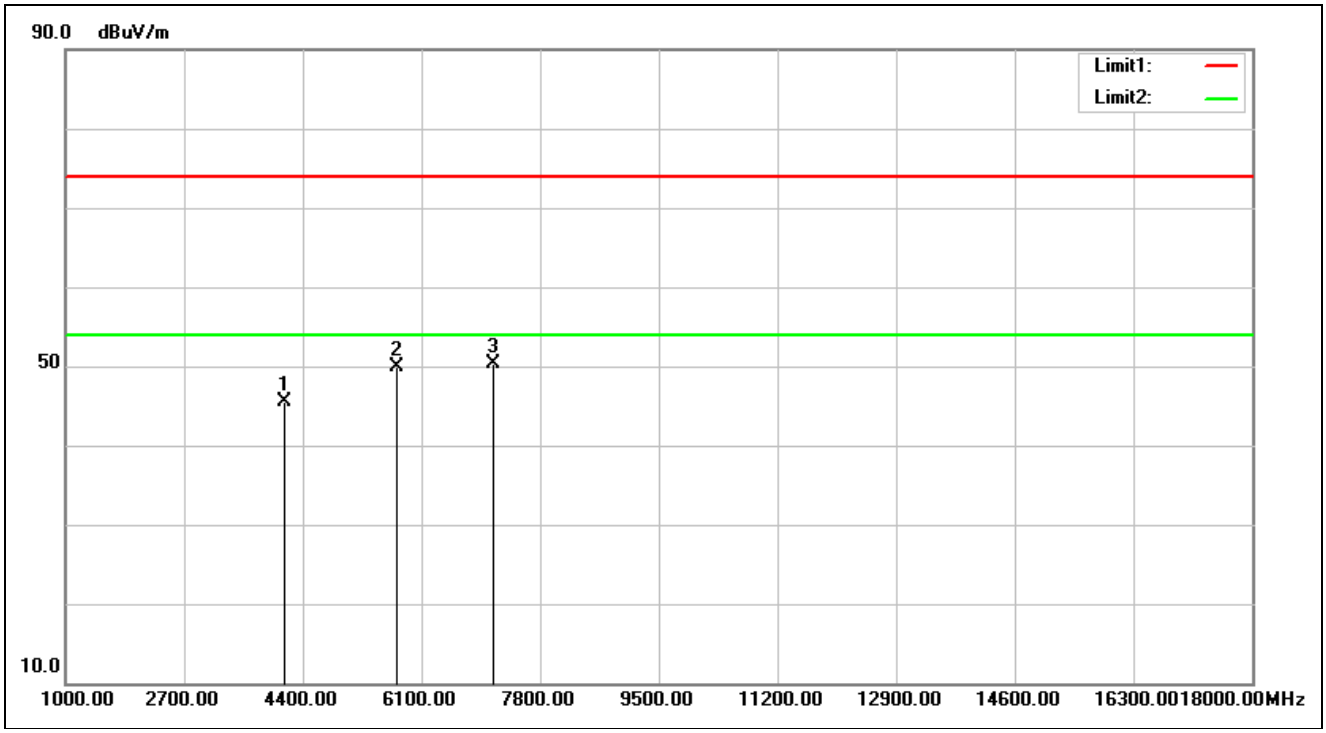

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:18:48**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (◦)	Remark
1	4145.000	-4.51	49.97	45.46	74.00	-28.54	peak	100	251	
2	5743.000	2.40	47.55	49.95	74.00	-24.05	peak	100	34	
3	7120.000	5.52	44.87	50.39	74.00	-23.61	peak	100	9	

Spurious Emissions, RX Mode, 1-18G

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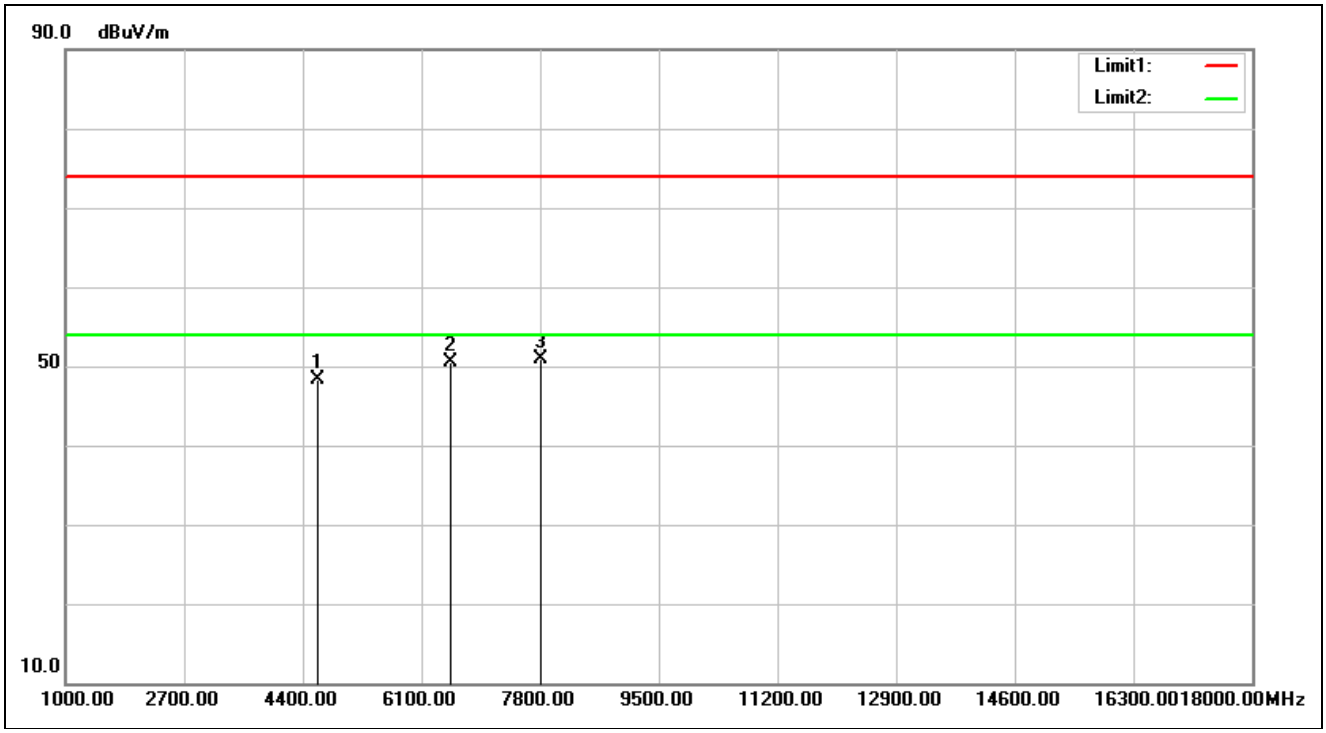

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:19:50**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4604.000	-2.84	51.05	48.21	74.00	-25.79	peak	100	0	
2	6525.000	6.00	44.49	50.49	74.00	-23.51	peak	100	358	
3	7817.000	6.59	44.36	50.95	74.00	-23.05	peak	100	148	

Spurious Emissions, RX Mode, 1-18G

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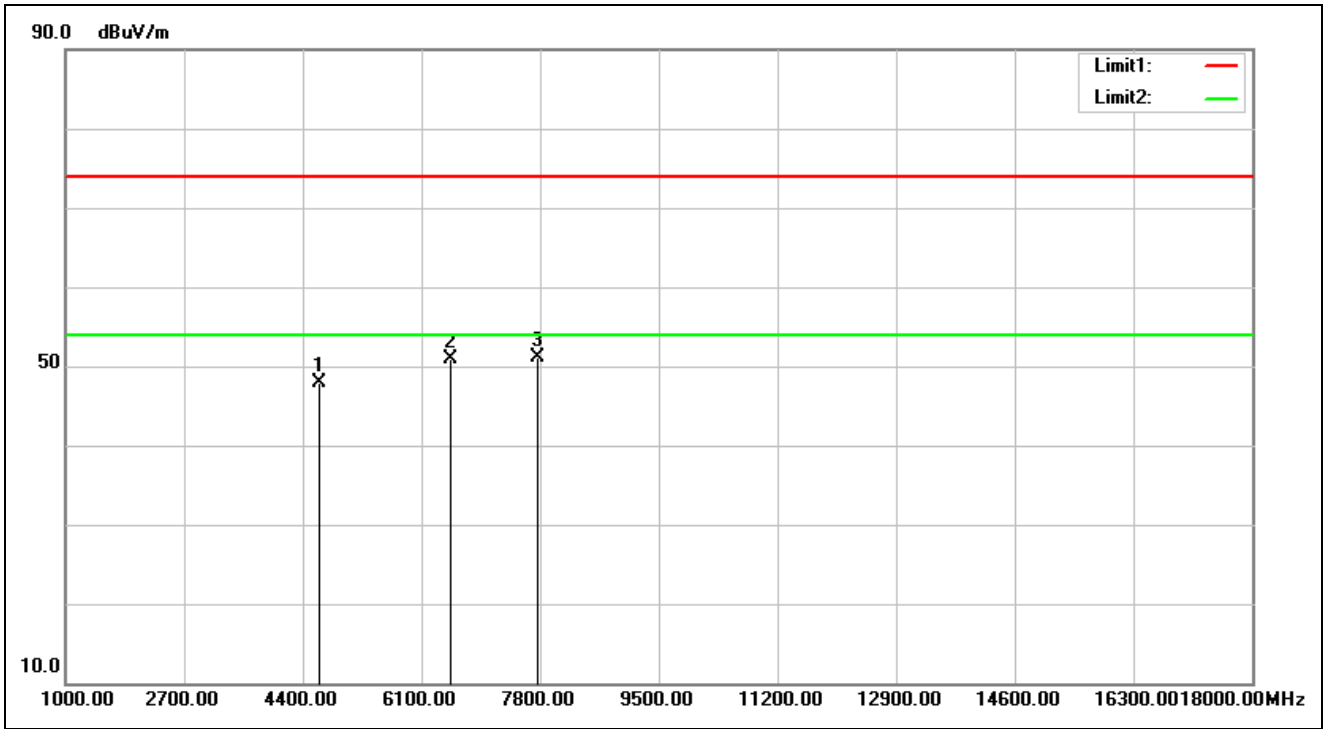

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:22:43**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4638.000	-2.74	50.74	48.00	74.00	-26.00	peak	100	281	
2	6525.000	6.00	44.88	50.88	74.00	-23.12	peak	100	226	
3	7766.000	6.61	44.53	51.14	74.00	-22.86	peak	100	312	

Spurious Emissions, RX Mode, 1-18G

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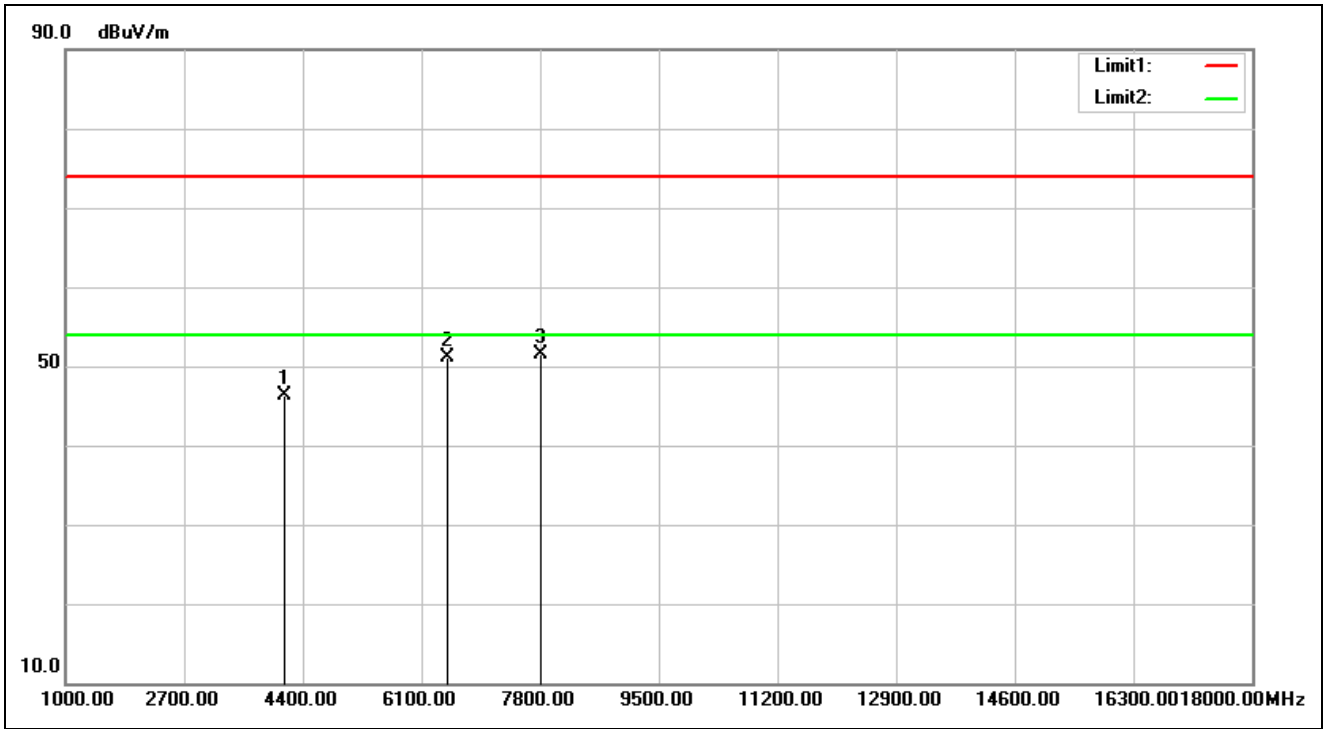

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:23:45**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (◦)	Remark
1	4145.000	-4.51	50.78	46.27	74.00	-27.73	peak	100	112	
2	6474.000	5.93	45.15	51.08	74.00	-22.92	peak	100	42	
3	7800.000	6.60	44.88	51.48	74.00	-22.52	peak	100	145	

Spurious Emissions, RX Mode, 1-18G

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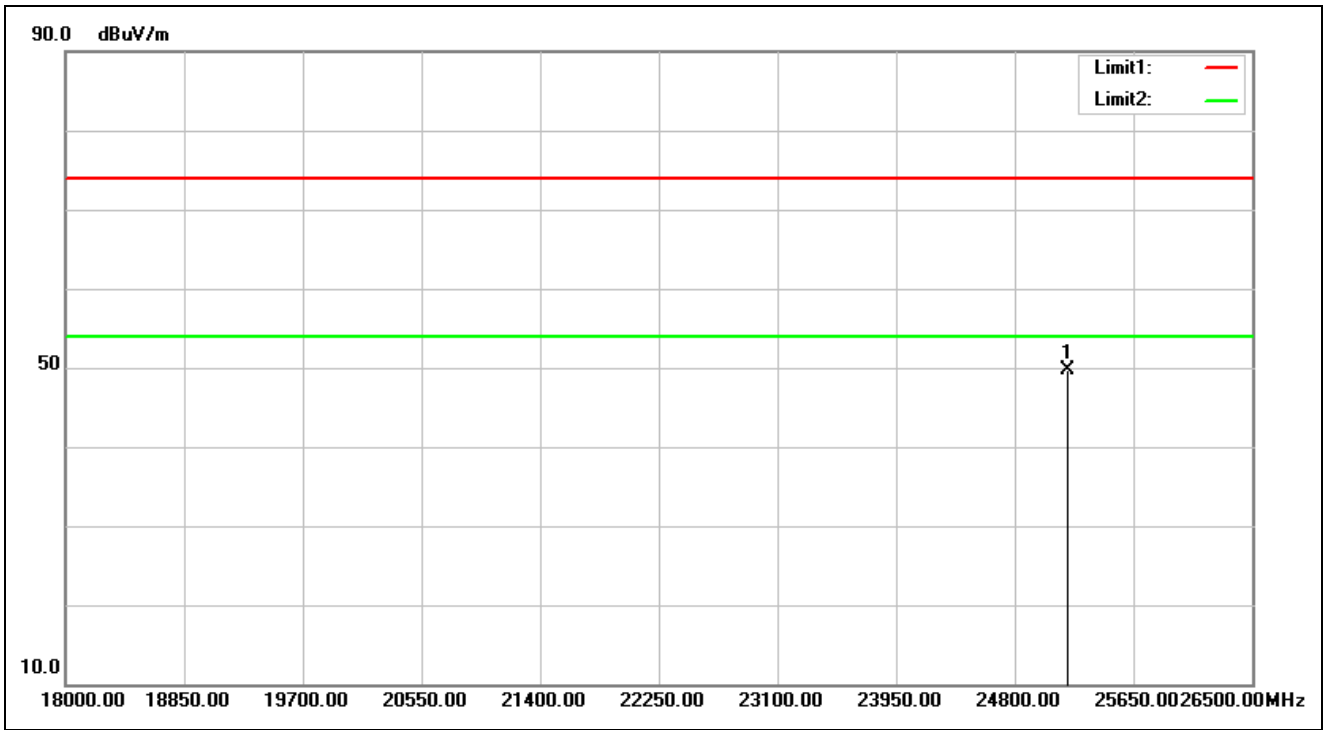

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:36:10**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	25182.500	30.90	18.87	49.77	74.00	-24.23	peak	100	178	

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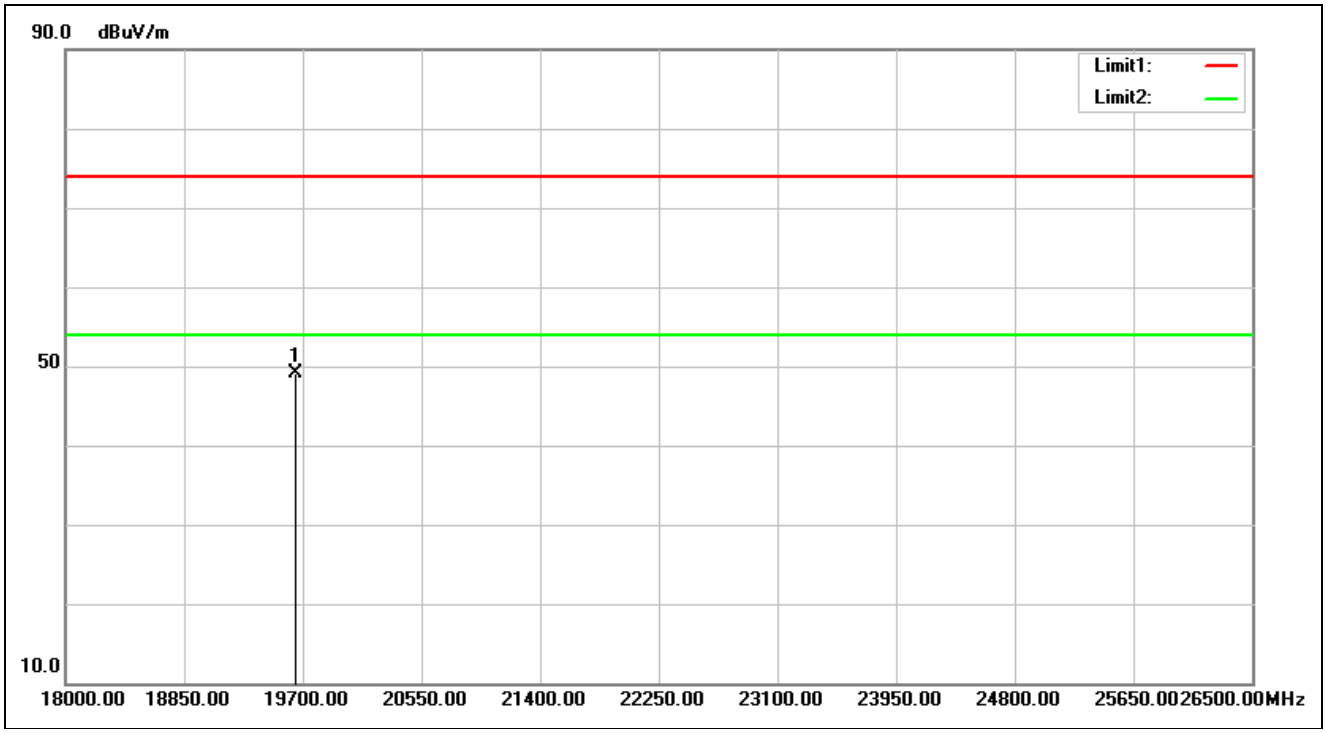

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:36:22**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2402-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	19649.000	28.95	20.21	49.16	74.00	-24.84	peak	100	62	

Spurious Emissions, RX Mode, 18-26G

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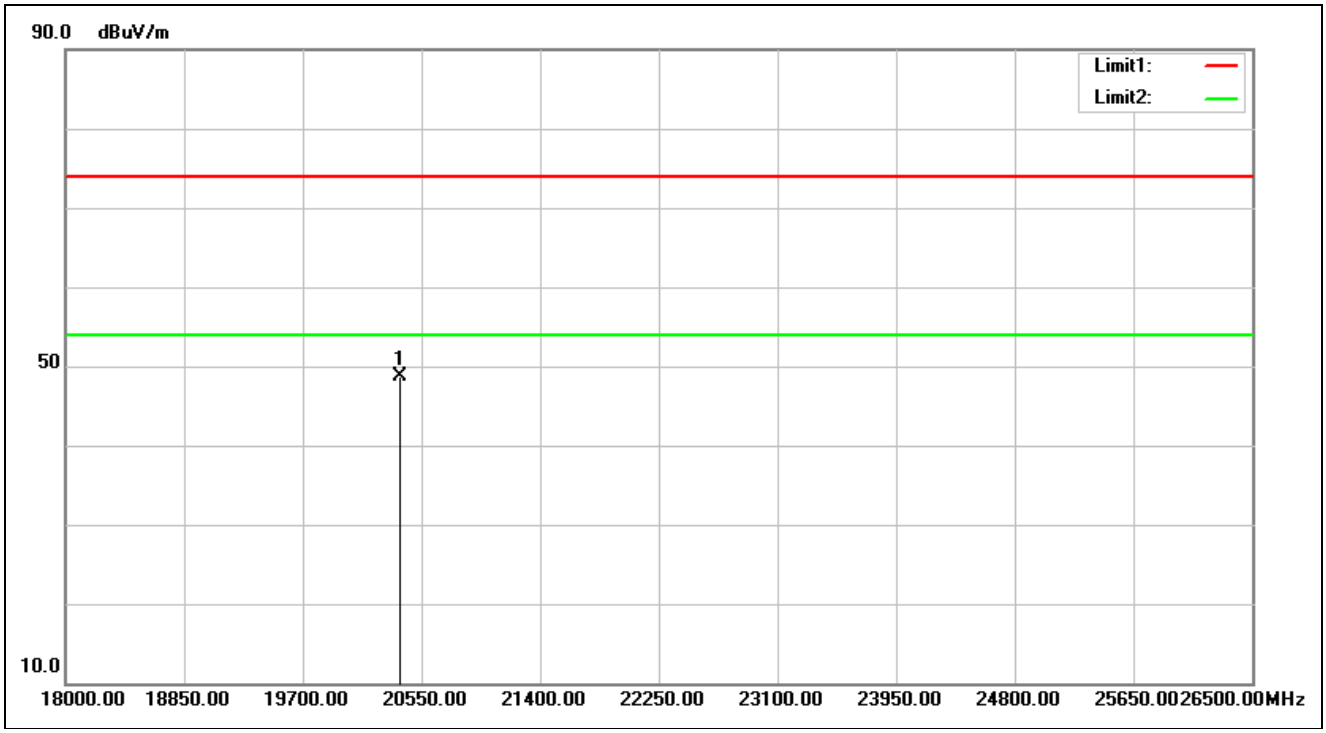

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:36:40**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-RX**		
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	29.18	19.56	48.74	74.00	-25.26	peak	100	117	

Spurious Emissions, RX Mode, 18-26G

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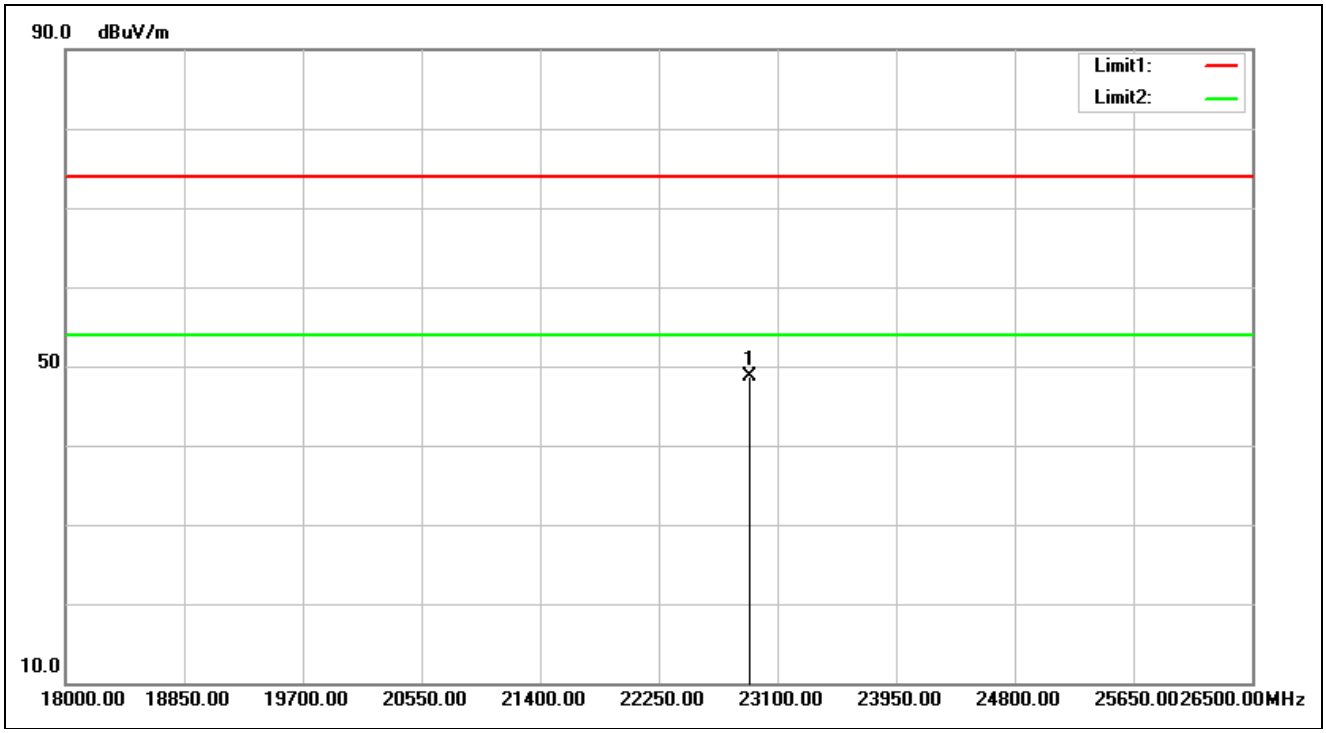

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:36:52**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	22904.500	29.79	18.83	48.62	74.00	-25.38	peak	100	156	

Spurious Emissions, RX Mode, 18-26G

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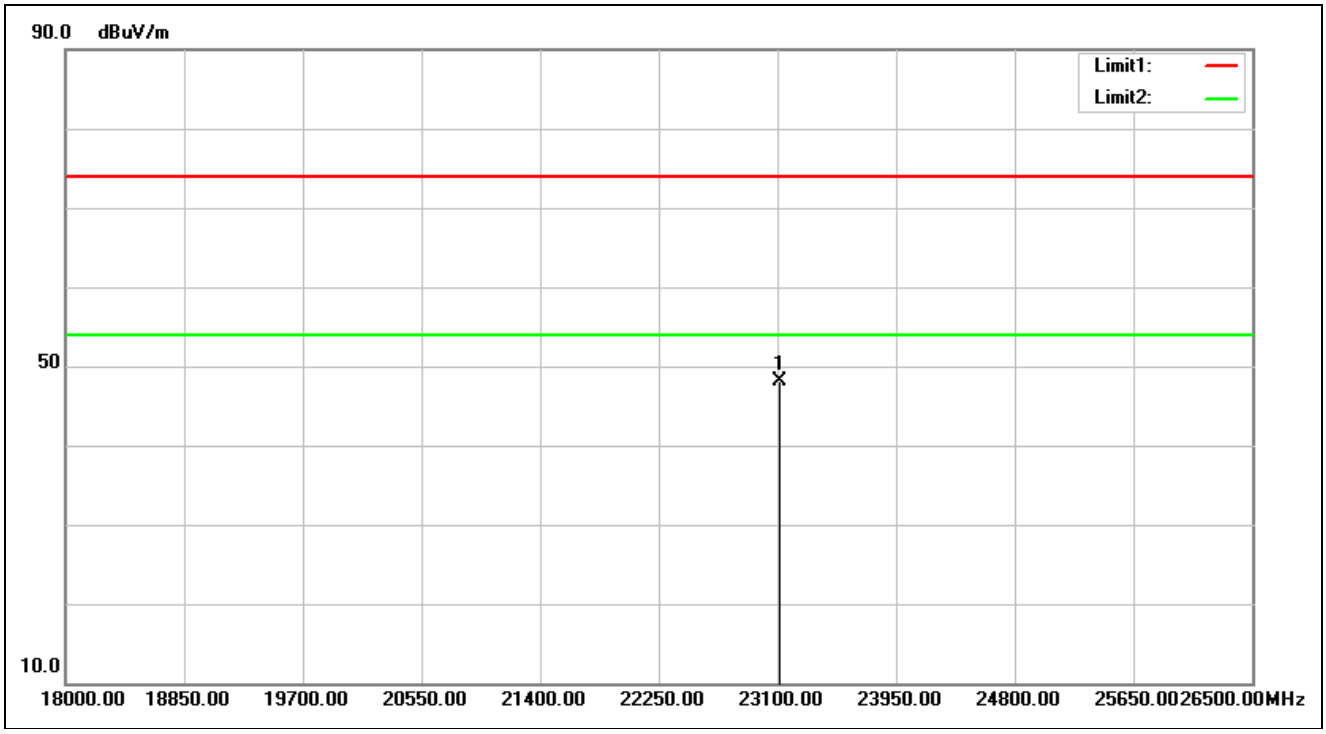

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:37:11**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-RX**		
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	29.80	18.33	48.13	74.00	-25.87	peak			

Spurious Emissions, RX Mode, 18-26G

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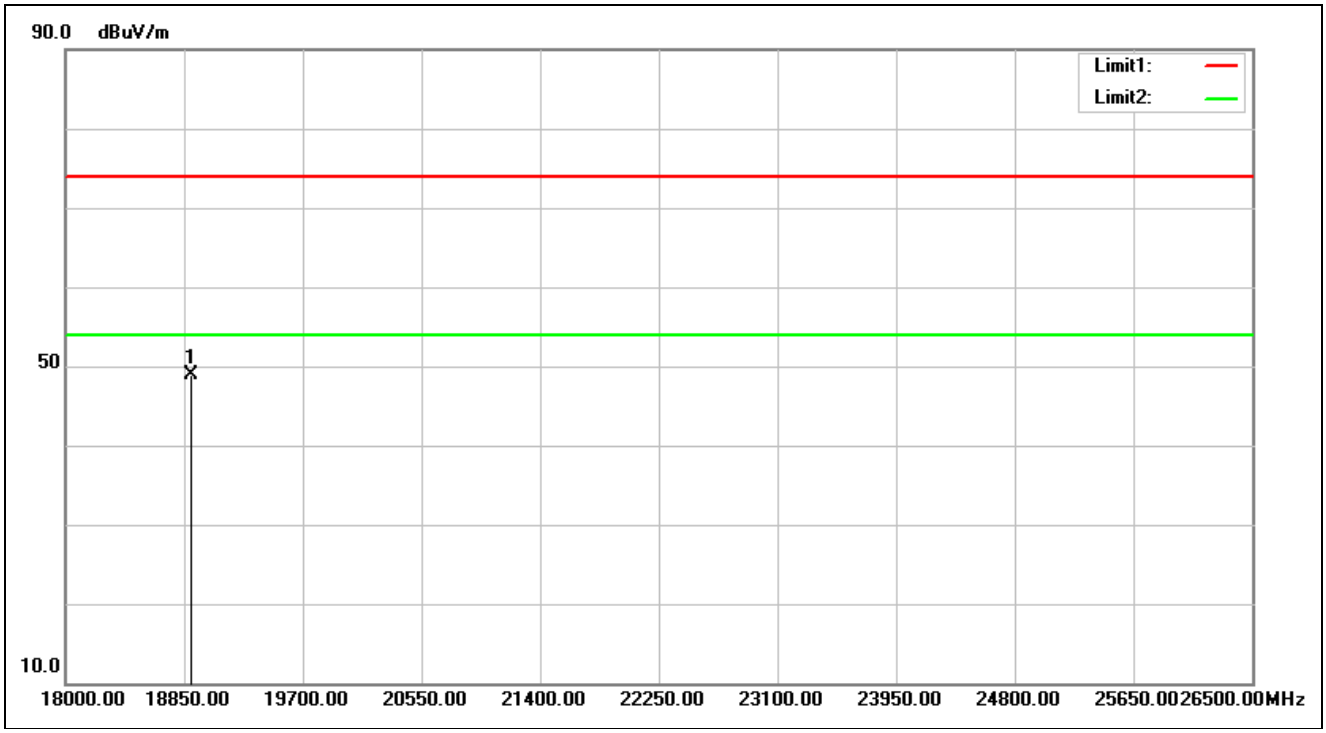

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/11 17:37:20**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**29.2(℃)/56%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2480-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	18901.000	28.78	20.10	48.88	74.00	-25.12	peak			

Spurious Emissions, RX Mode, 18-26G

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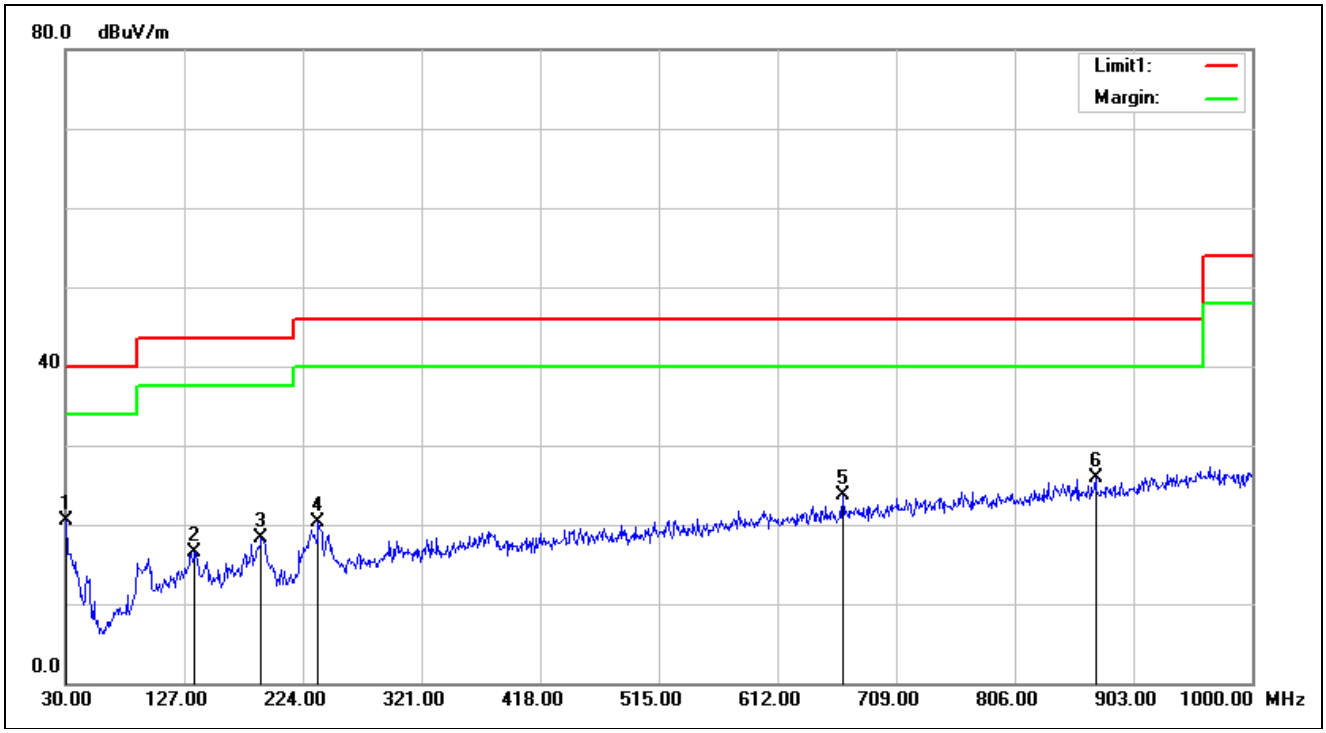

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/13 18:53:12**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**23(℃)/51%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-RX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.9699	-6.59	27.04	20.45	40.00	-19.55	QP	100	52	
2	135.7298	-12.74	29.30	16.56	43.50	-26.94	QP	100	182	
3	190.0500	-15.34	33.55	18.21	43.50	-25.29	QP	100	261	
4	236.6100	-12.87	33.27	20.40	46.00	-25.60	QP	100	299	
5	665.3500	-5.24	29.03	23.79	46.00	-22.21	QP	100	52	
6	871.9600	-2.18	28.18	26.00	46.00	-20.00	QP	100	14	

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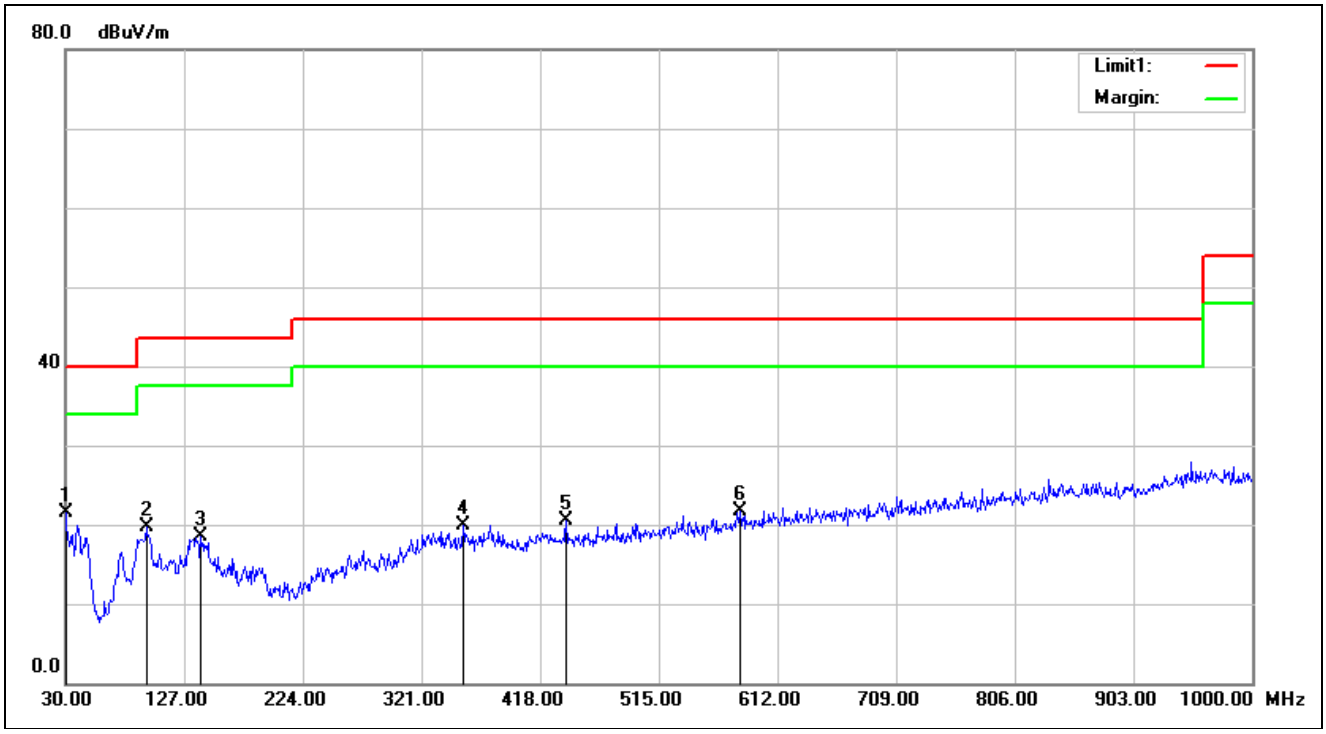

Service No.:	**114035790-NCC**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/13 18:54:16**
Applicant:	**Wacom**	**Test Rating:**	**DC 3V**
Product:	**Touch Pen**	**Temp.(℃)/Hum.(%):**	**23(℃)/51%**
Model No.:	**Juniper**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2442-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	-6.03	27.58	21.55	40.00	-18.45	QP	100	59	
2	95.9599	-15.71	35.34	19.63	43.50	-23.87	QP	100	333	
3	140.5800	-12.77	31.24	18.47	43.50	-25.03	QP	100	331	
4	354.9499	-9.20	29.04	19.84	46.00	-26.16	QP	100	107	
5	439.3399	-8.04	28.52	20.48	46.00	-25.52	QP	100	75	
6	581.9299	-6.20	27.97	21.77	46.00	-24.23	QP	100	221	

Spurious Emissions, RX Mode, 30M-1G