

Test Report No.10050448 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 10050448AppendixD)

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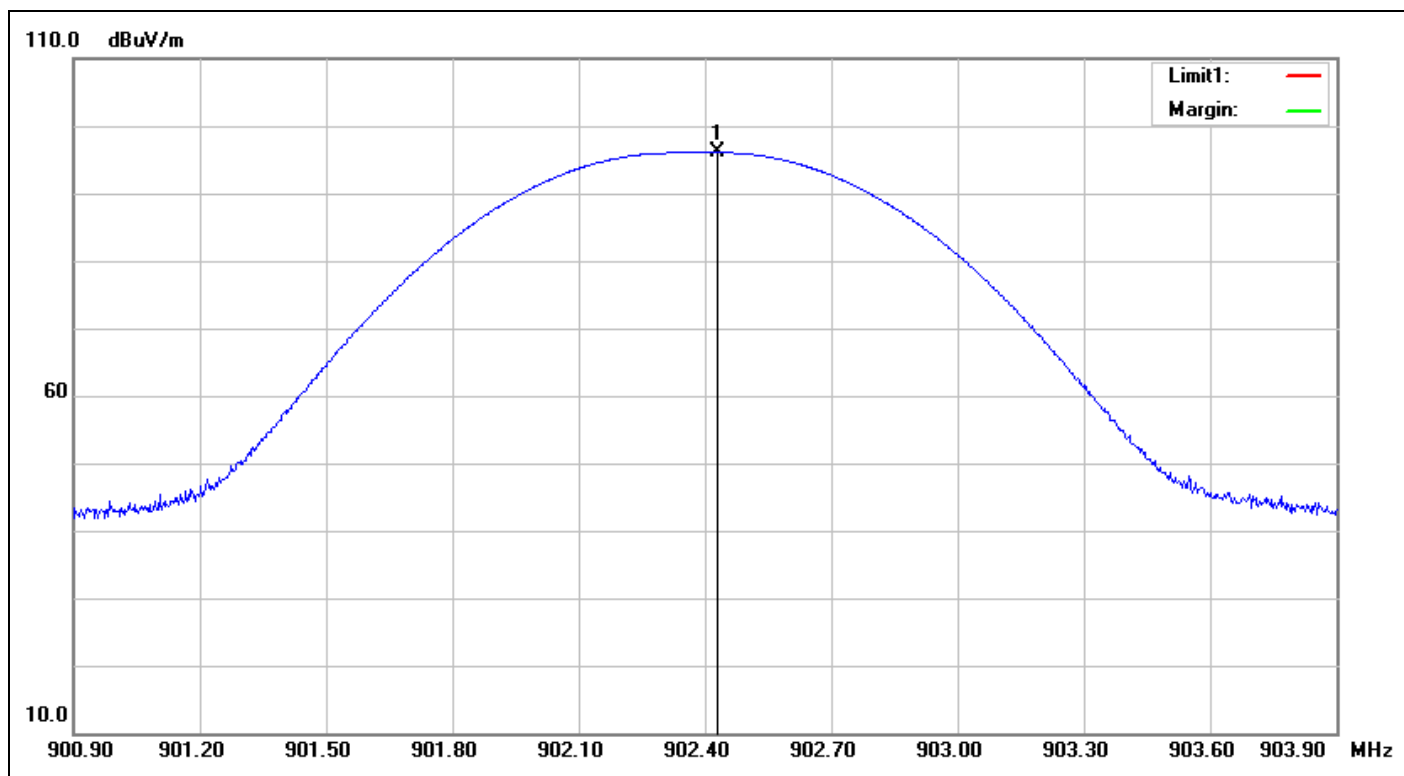
Fundamental Power



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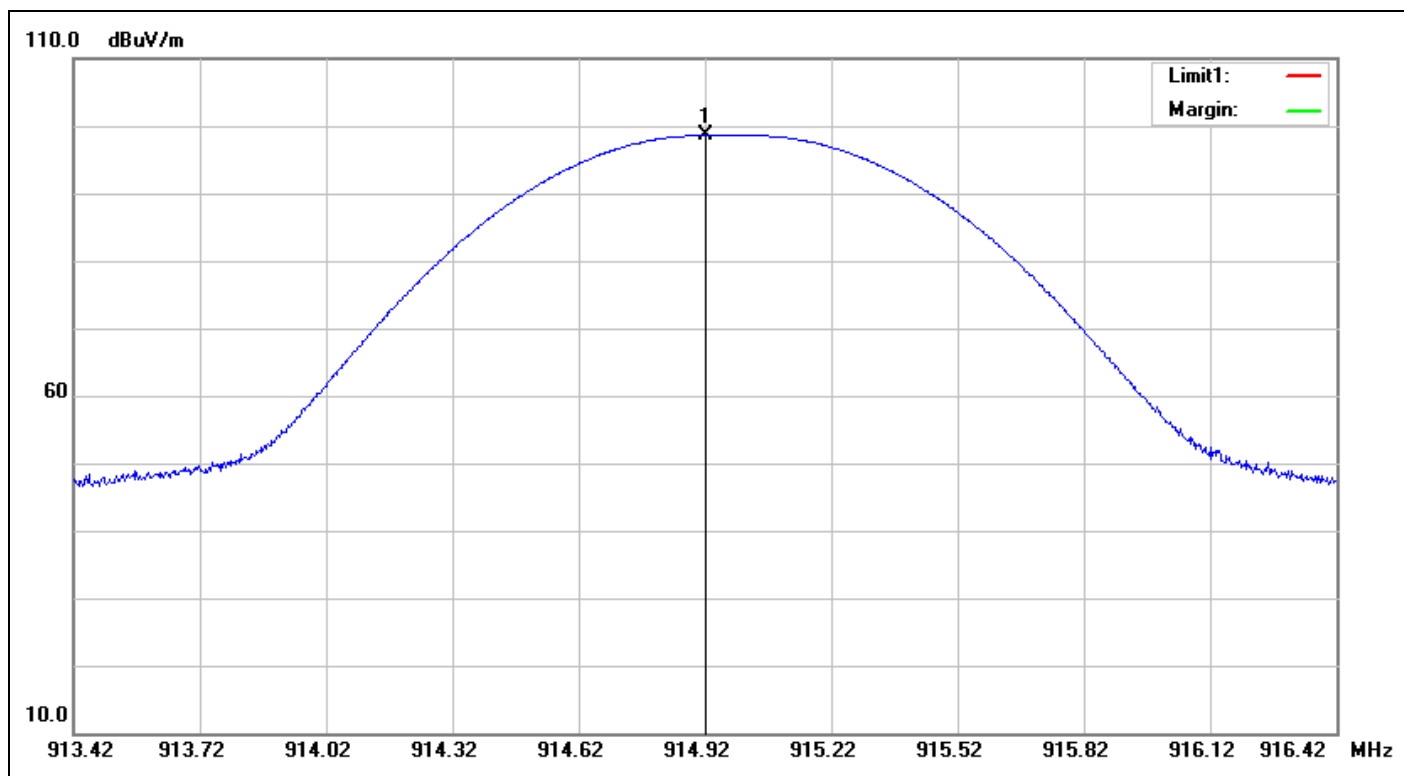
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114032973_CE	Test Distance:	3m
Test Standard:		Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 16:43:44
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%):	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 902.4MHz		
Remark:	X		
	H:1.5m		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	902.4300	-2.02	98.08	96.06			peak			

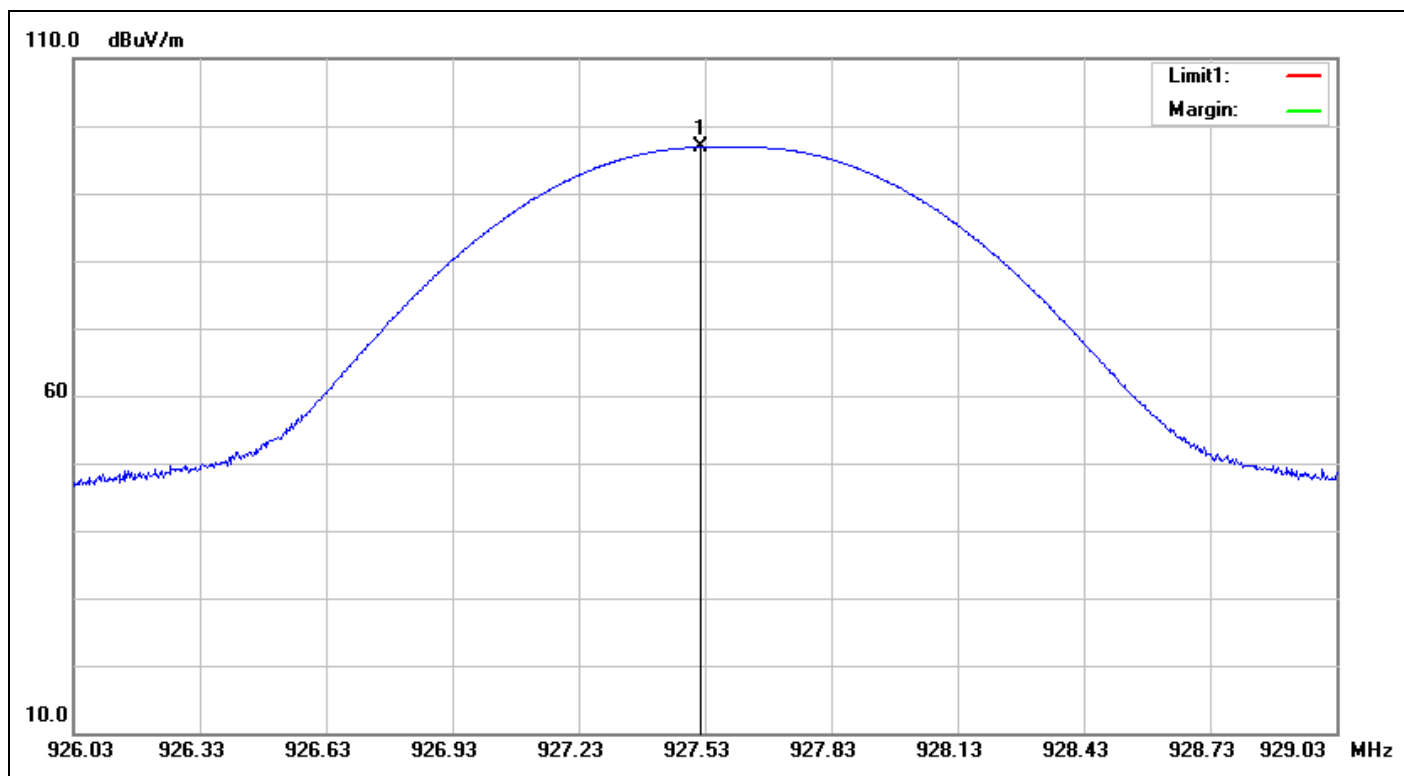
- 24 dBV/m



Service No.:	114032973_CE	Test Distance:	3m
Test Standard:		Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 16:51:58
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%):	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 915.2MHz		
Remark:	X		
	H:1.5m		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	914.9270	-1.62	100.24	98.62			peak			

- 21.4 dBV/m



Service No.:	114032973_CE	Test Distance:	3m
Test Standard:		Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 17:26:52
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 927.6MHz		
Remark:	X		
	H:1.5m		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	927.5173	-1.23	98.08	96.85			peak			

- 23.2 dBV/m

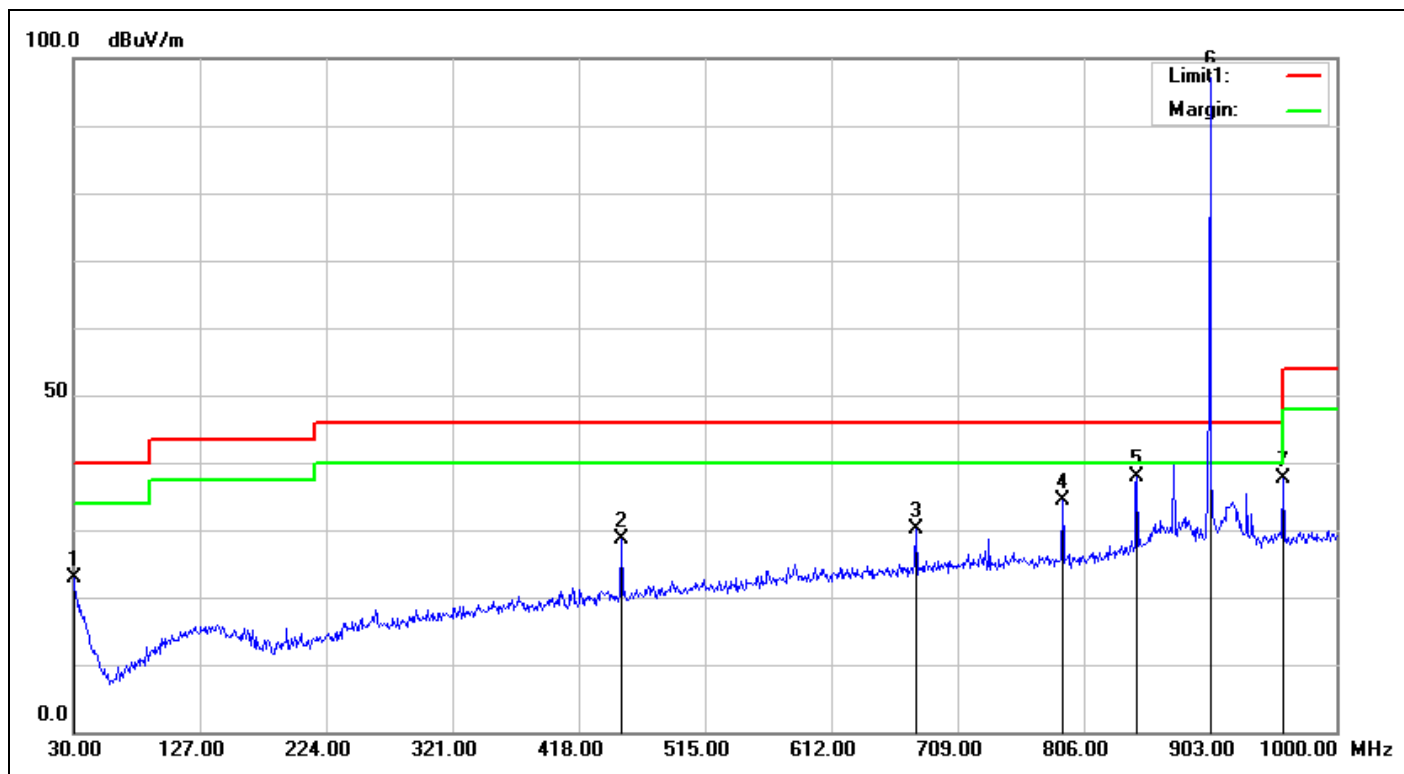
Spurious Emissions, TX Mode, 30M-1G



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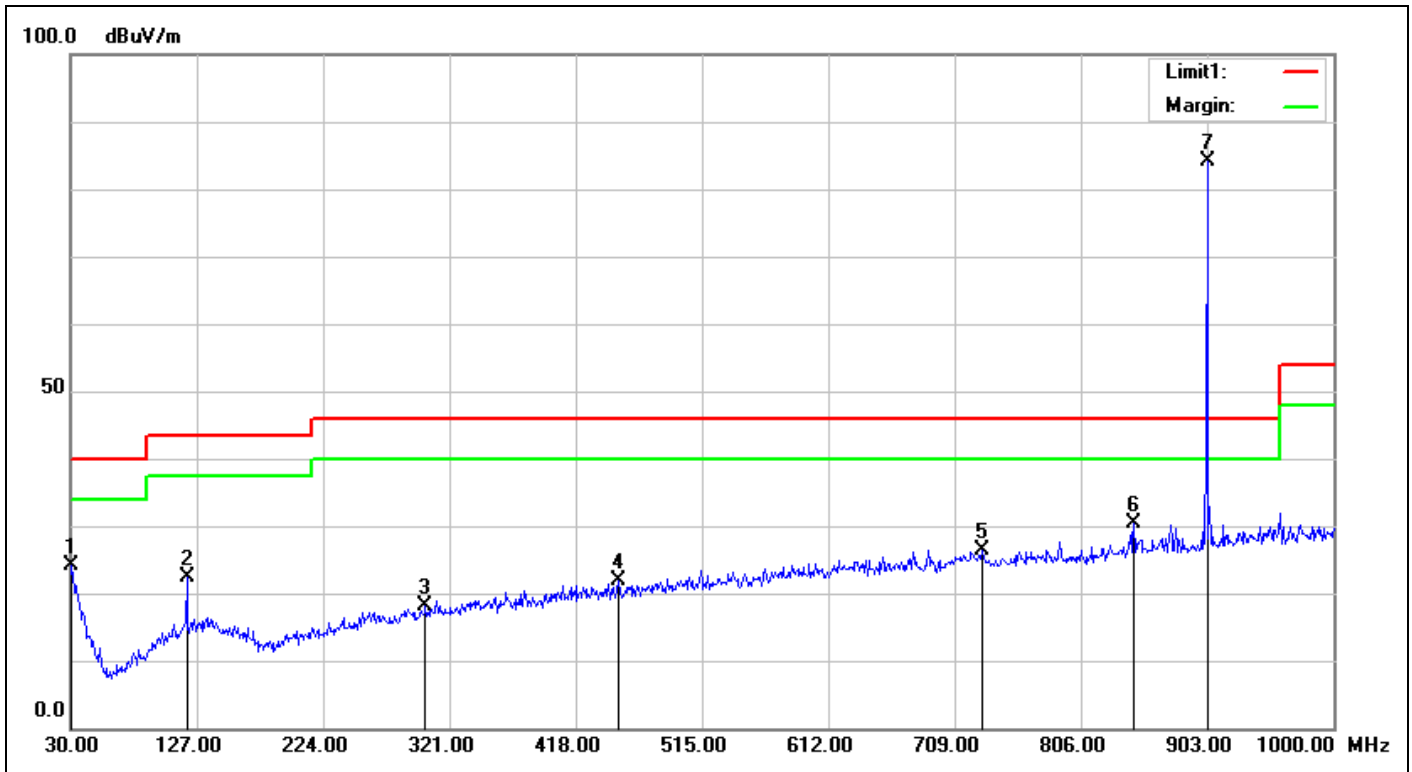
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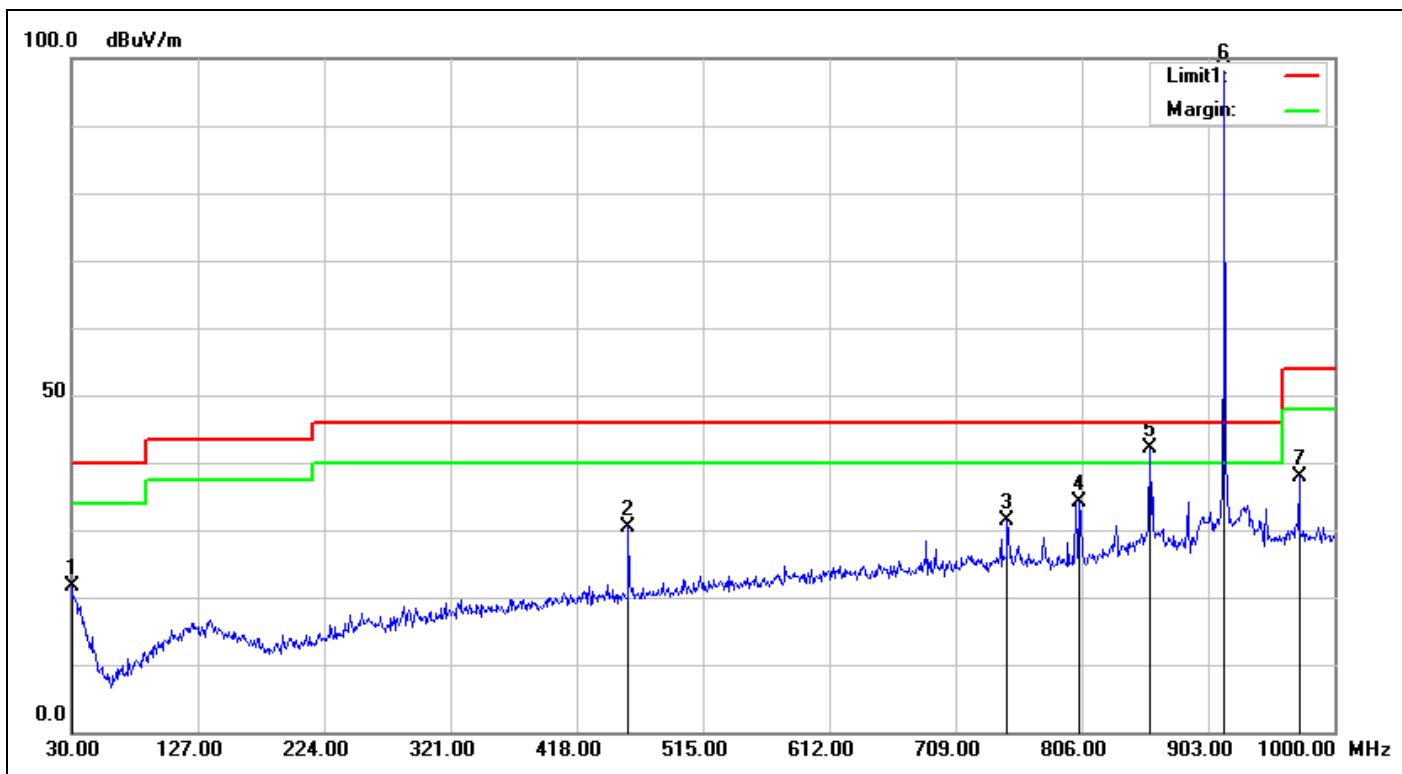
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Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 16:35:52
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 902.4MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	28.69	22.86	40.00	-17.14	peak	100	0	
2	450.9800	-7.99	36.68	28.69	46.00	-17.31	peak	100	357	
3	676.9900	-5.22	35.41	30.19	46.00	-15.81	peak	100	317	
4	789.5099	-3.79	38.15	34.36	46.00	-11.64	peak	100	144	
5	846.7400	-2.53	40.37	37.84	46.00	-8.16	peak	100	186	
6	903.0000	-1.99	99.16	97.17	46.00	51.17	peak	100	341	TX
7	959.2599	-0.43	38.01	37.58	46.00	-8.42	peak	100	155	



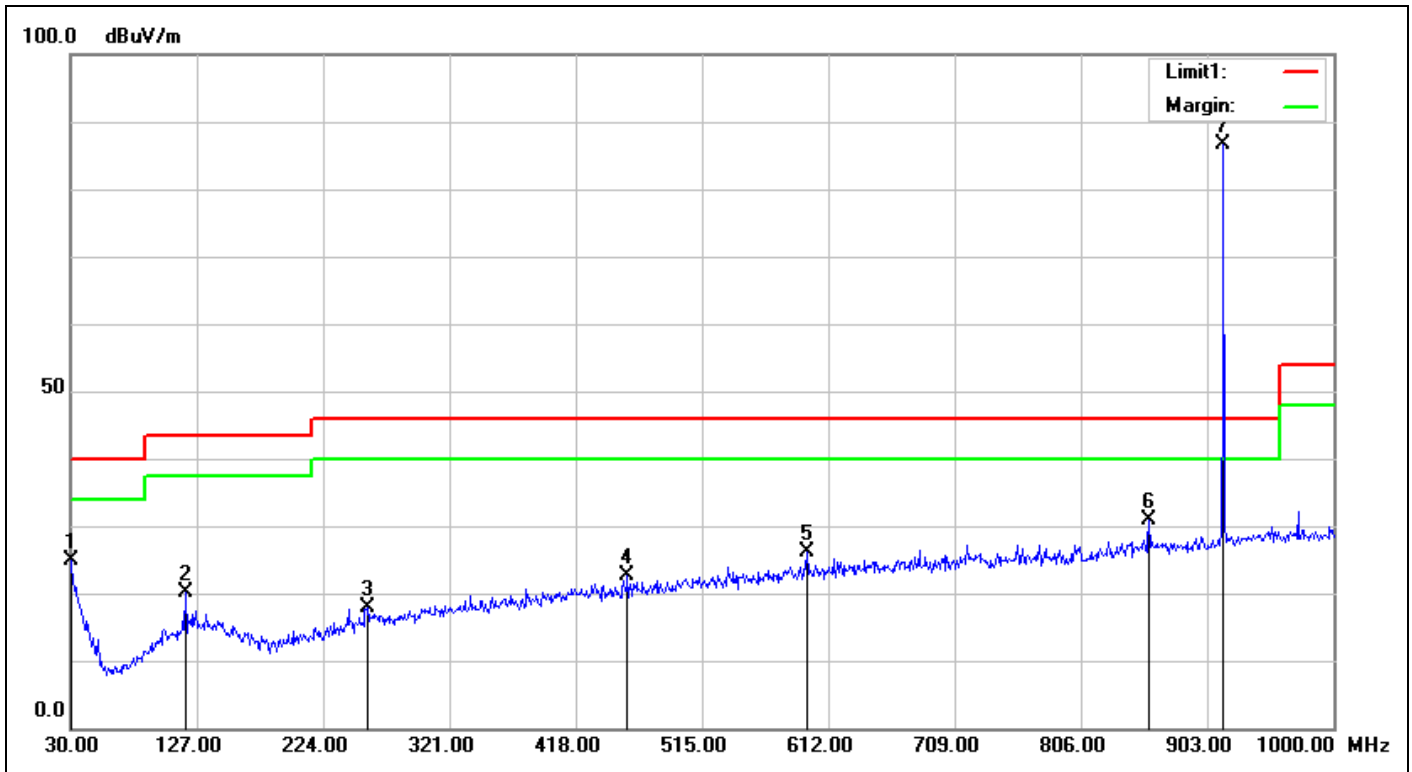
Service No.:	114032973_CE	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/6/25 16:36:56
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 902.4MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	29.97	24.14	40.00	-15.86	peak	100	20	
2	119.2400	-13.02	35.32	22.30	43.50	-21.20	peak	100	171	
3	302.5700	-10.43	28.48	18.05	46.00	-27.95	peak	100	22	
4	450.9800	-7.99	29.99	22.00	46.00	-24.00	peak	100	280	
5	730.3400	-4.49	30.85	26.36	46.00	-19.64	peak	100	352	
6	846.7400	-2.53	32.79	30.26	46.00	-15.74	peak	100	264	
7	903.0000	-1.99	86.01	84.02	46.00	38.02	peak	100	269	TX



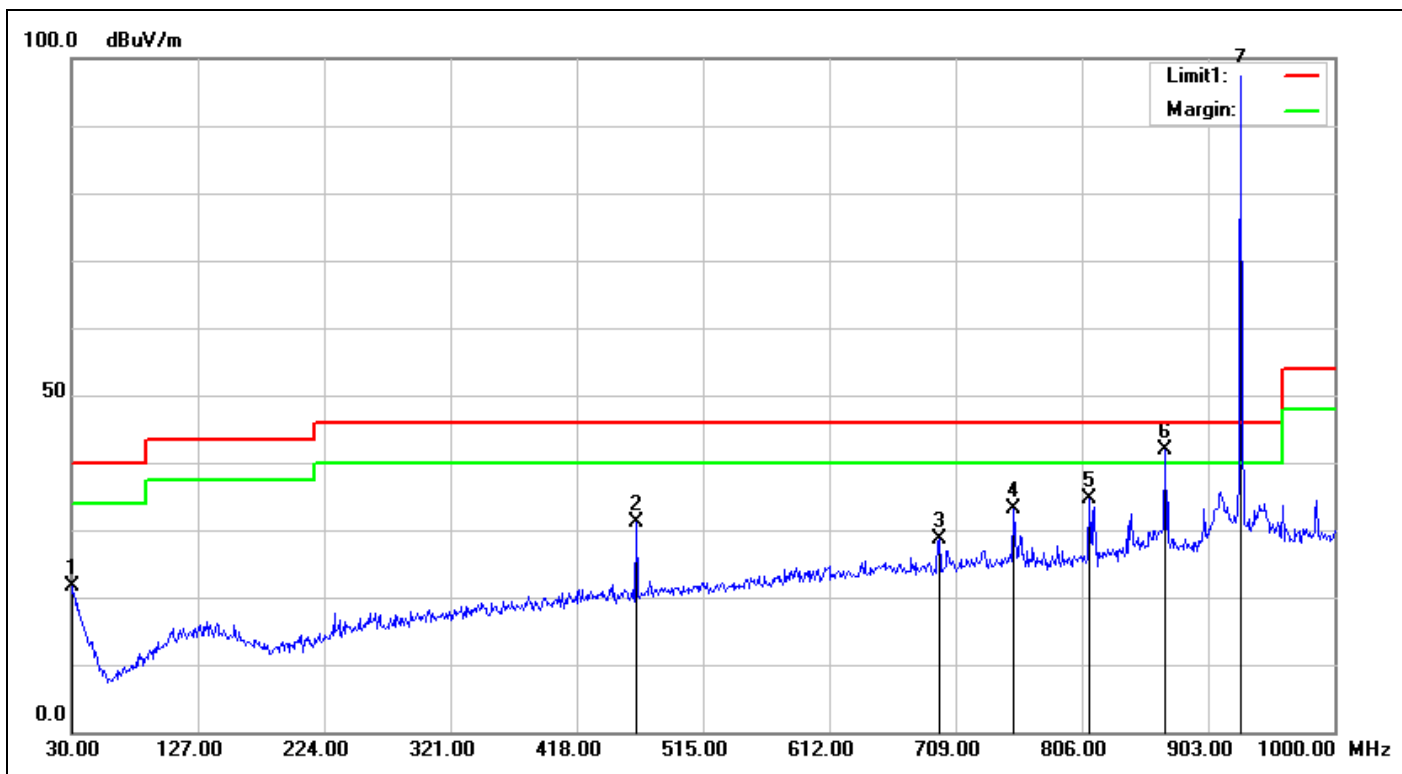
Service No.:	114032973_CE	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 16:54:29
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 915.2MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	27.53	21.70	40.00	-18.30	peak	100	155	
2	457.7699	-7.88	38.32	30.44	46.00	-15.56	peak	100	344	
3	748.7698	-4.12	35.45	31.33	46.00	-14.67	peak	100	359	
4	804.0599	-3.61	37.73	34.12	46.00	-11.88	peak	100	150	
5	858.3799	-2.40	44.57	42.17	46.00	-3.83	peak	100	176	
6	915.6100	-1.60	99.72	98.12	46.00	52.12	peak	100	160	TX
7	972.8400	-0.29	38.29	38.00	54.00	-16.00	peak	100	168	



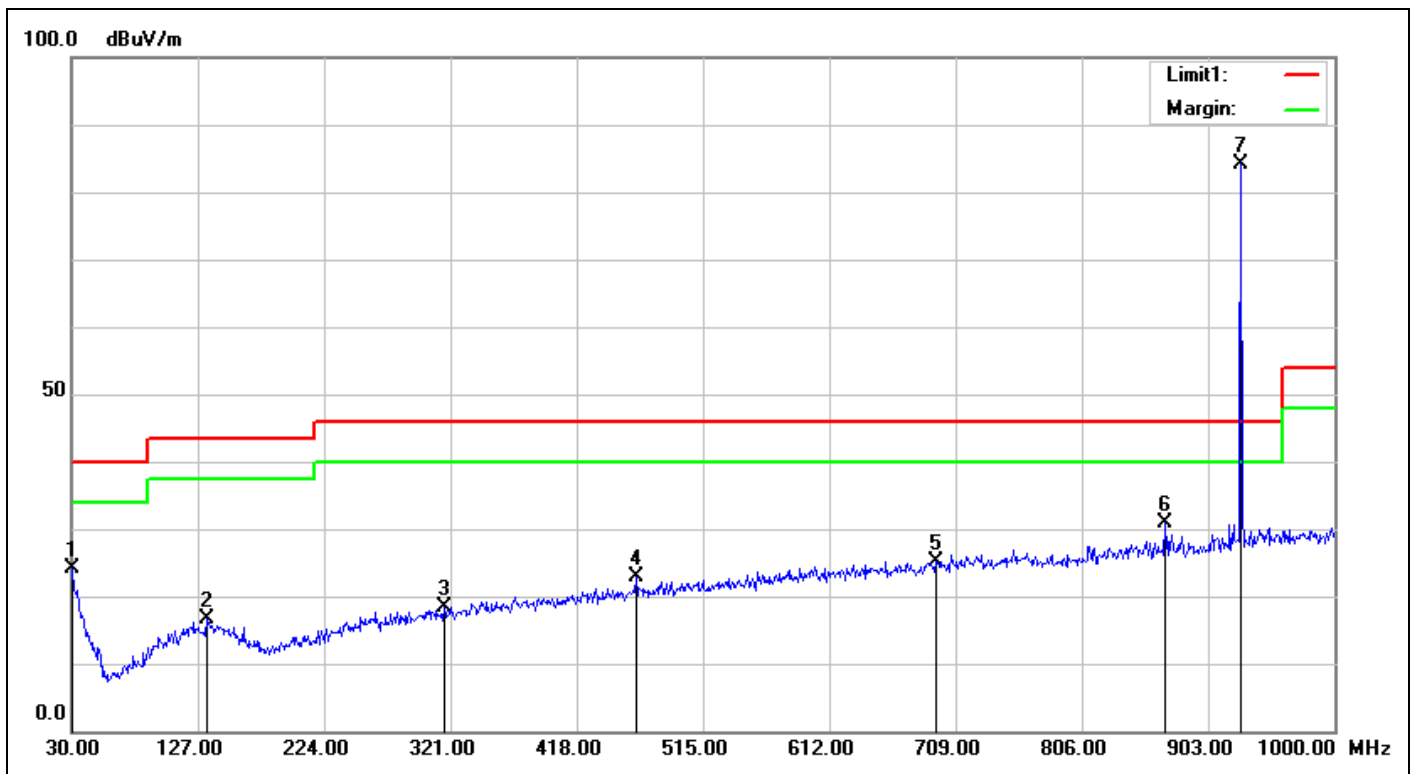
Service No.:	114032973_CE	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/6/25 16:55:32
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%):	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 915.2MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	30.73	24.90	40.00	-15.10	peak	100	301	
2	118.2700	-13.08	33.15	20.07	43.50	-23.43	peak	100	11	
3	257.9500	-10.96	28.72	17.76	46.00	-28.24	peak	100	312	
4	457.7700	-7.88	30.50	22.62	46.00	-23.38	peak	100	210	
5	595.5100	-6.06	32.19	26.13	46.00	-19.87	peak	100	357	
6	858.3800	-2.40	33.38	30.98	46.00	-15.02	peak	100	248	
7	915.6100	-1.60	88.20	86.60	46.00	40.60	peak	100	266	TX



Service No.:	114032973_CE	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/6/25 17:20:52
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%):	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 927.6MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	27.53	21.70	40.00	-18.30	peak	100	27	
2	463.5899	-7.80	39.00	31.20	46.00	-14.80	peak	100	158	
3	696.3899	-5.11	33.64	28.53	46.00	-17.47	peak	100	155	
4	753.6200	-4.08	37.32	33.24	46.00	-12.76	peak	100	163	
5	811.8200	-3.42	38.12	34.70	46.00	-11.30	peak	100	360	
6	870.0199	-2.30	44.12	41.82	46.00	-4.18	peak	100	358	
7	928.2200	-1.22	98.48	97.26	46.00	51.26	peak	100	349	TX



Service No.:	114032973_CE	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/6/25 17:21:56
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.2(°C)/58%
Model No.:	SENSIT EPL US	Test Engineer:	Hugo Chang
Test Mode:	TX 927.6MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	30.04	24.21	40.00	-15.79	peak	100	272	
2	133.7899	-12.63	29.17	16.54	43.50	-26.96	peak	100	238	
3	316.1499	-10.14	28.50	18.36	46.00	-27.64	peak	100	174	
4	463.5899	-7.80	30.58	22.78	46.00	-23.22	peak	100	43	
5	693.4800	-5.13	30.36	25.23	46.00	-20.77	peak	100	211	
6	870.0199	-2.30	33.23	30.93	46.00	-15.07	peak	100	277	
7	928.2200	-1.22	85.41	84.19	46.00	38.19	peak	100	277	TX

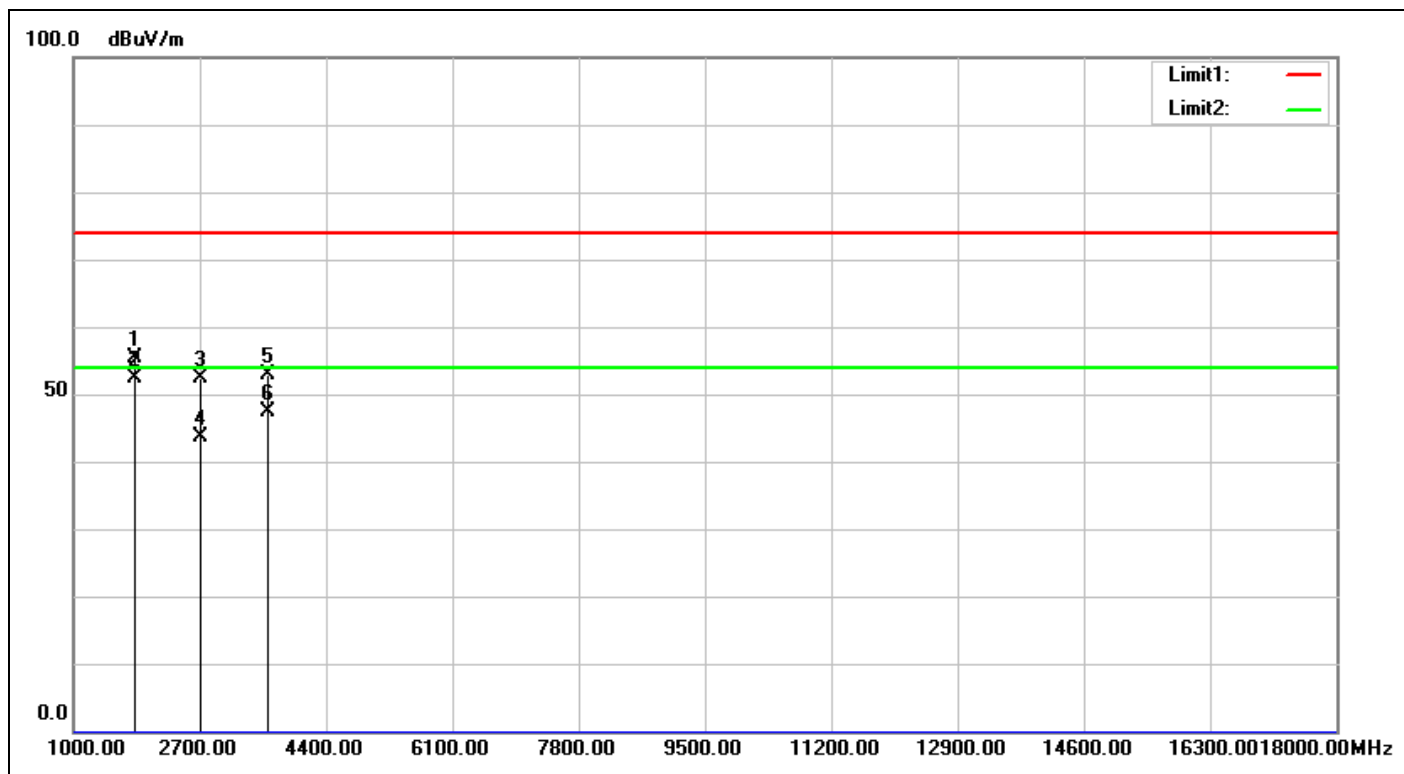
Spurious Emissions, TX Mode, 1-18G



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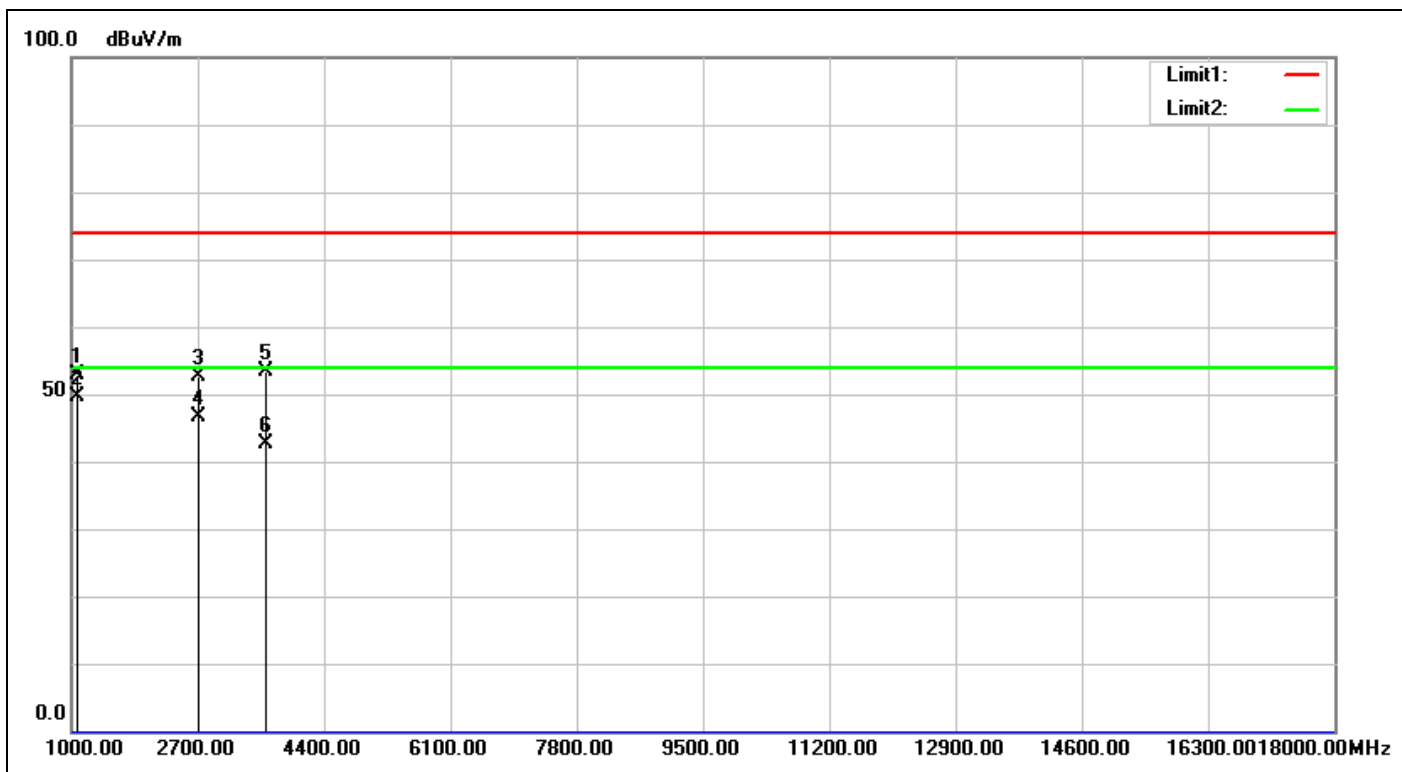
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Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/7 14:40:39
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	20.9(°C)/46%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 902.4MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1804.800	-9.85	65.12	55.27	74.00	-18.73	peak	100	166	
2	1804.800	-9.85	62.19	52.34	54.00	-1.66	AVG	100	166	
3	2707.200	-7.64	60.06	52.42	74.00	-21.58	peak		0	
4	2707.200	-7.64	51.19	43.55	54.00	-10.45	AVG		0	
5	3609.600	-6.35	59.16	52.81	74.00	-21.19	peak		0	
6	3609.600	-6.35	53.61	47.26	54.00	-6.74	AVG		0	



Service No.: 114032973_FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2015/4/7 14:41:41

Applicant: Nedap

Test Rating:

Product: Electronic Parking License

Temp.(°C)/Hum.(%): 20.9(°C)/46%

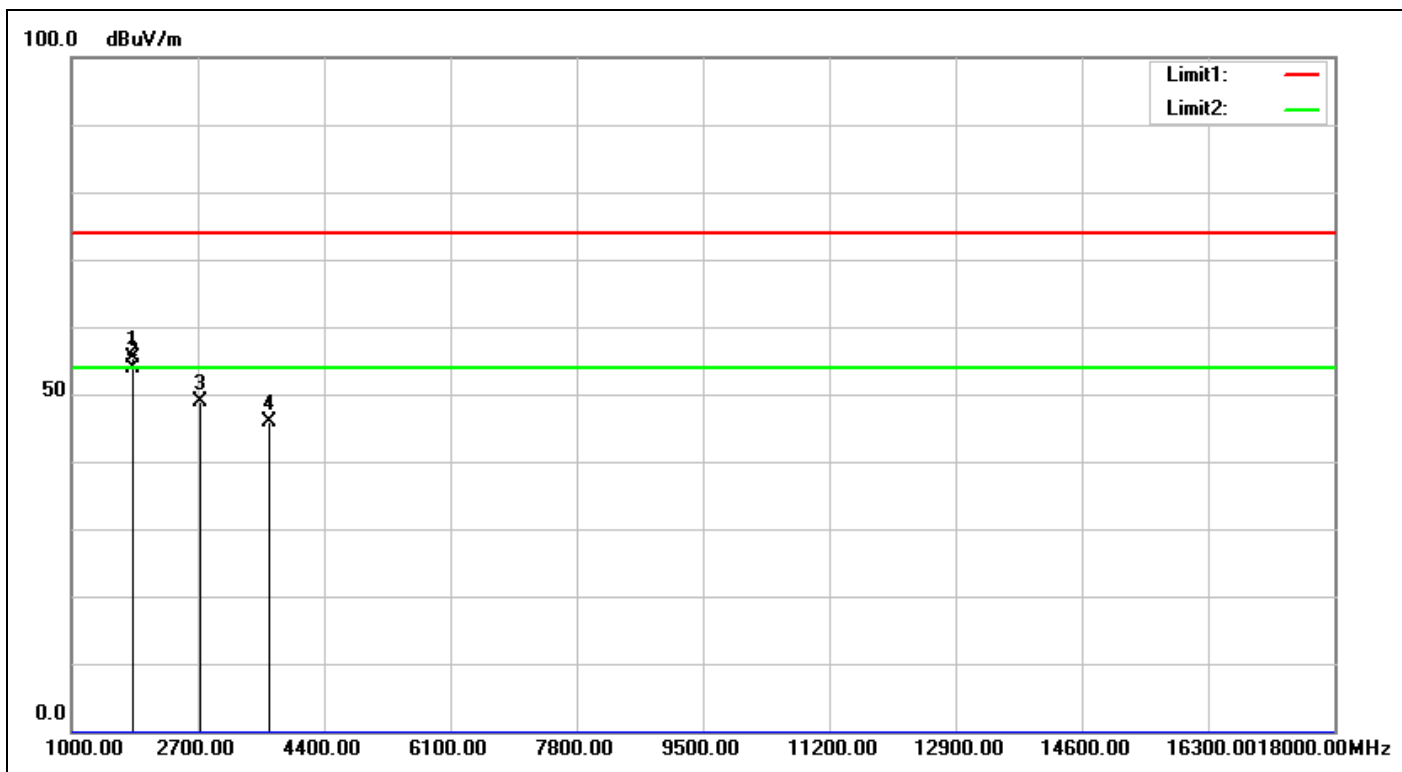
Model No.: SENSIT EPL US

Test Engineer: Freeman Wang

Test Mode: TX 902.4MHz

Remark: X

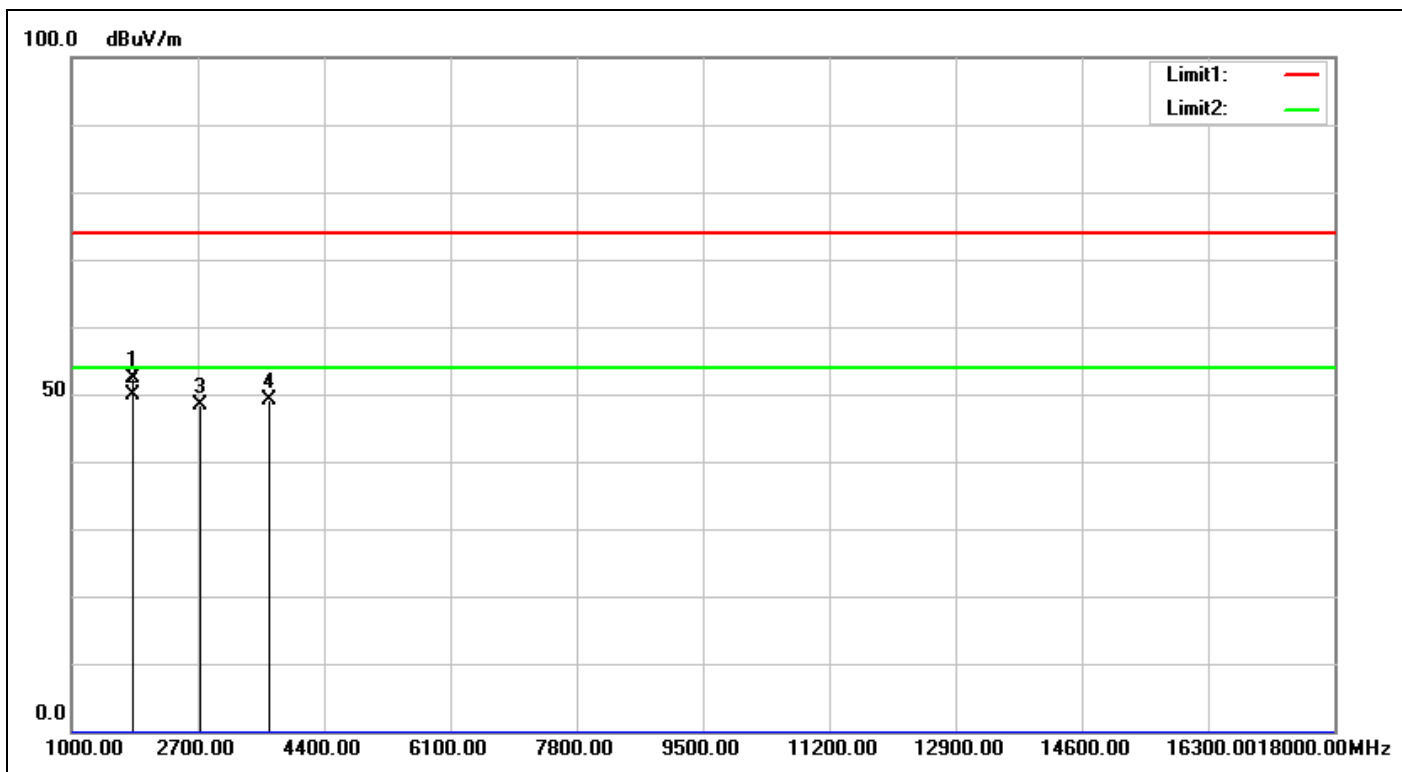
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1	1084.800	-10.55	63.31	52.76	74.00	-21.24	peak	100	34	
2	1084.800	-10.55	60.09	49.54	54.00	-4.46	AVG	100	34	
3	2707.200	-7.64	60.15	52.51	74.00	-21.49	peak		0	
4	2707.200	-7.64	54.38	46.74	54.00	-7.26	AVG		0	
5	3609.600	-6.35	59.73	53.38	74.00	-20.62	peak		0	
6	3609.600	-6.35	48.90	42.55	54.00	-11.45	AVG		0	



Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/8 09:27:01
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	20.9(°C)/46%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 915.2MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1830.400	-9.78	65.06	55.28	81.39	-26.11	peak	100	341	*
2	1830.400	-9.78	63.66	53.88	66.6	-12.72	AVG	100	341	*
3	2745.600	-7.59	56.51	48.92	74.00	-25.08	peak	100	174	
4	3660.800	-6.28	52.22	45.94	74.00	-28.06	peak		0	

*limit - 20dB below the peak of fundamental.



Service No.: 114032973_FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2015/4/8 09:28:04

Applicant: Nedap

Test Rating:

Product: Electronic Parking License

Temp.(°C)/Hum.(%): 20.9(°C)/46%

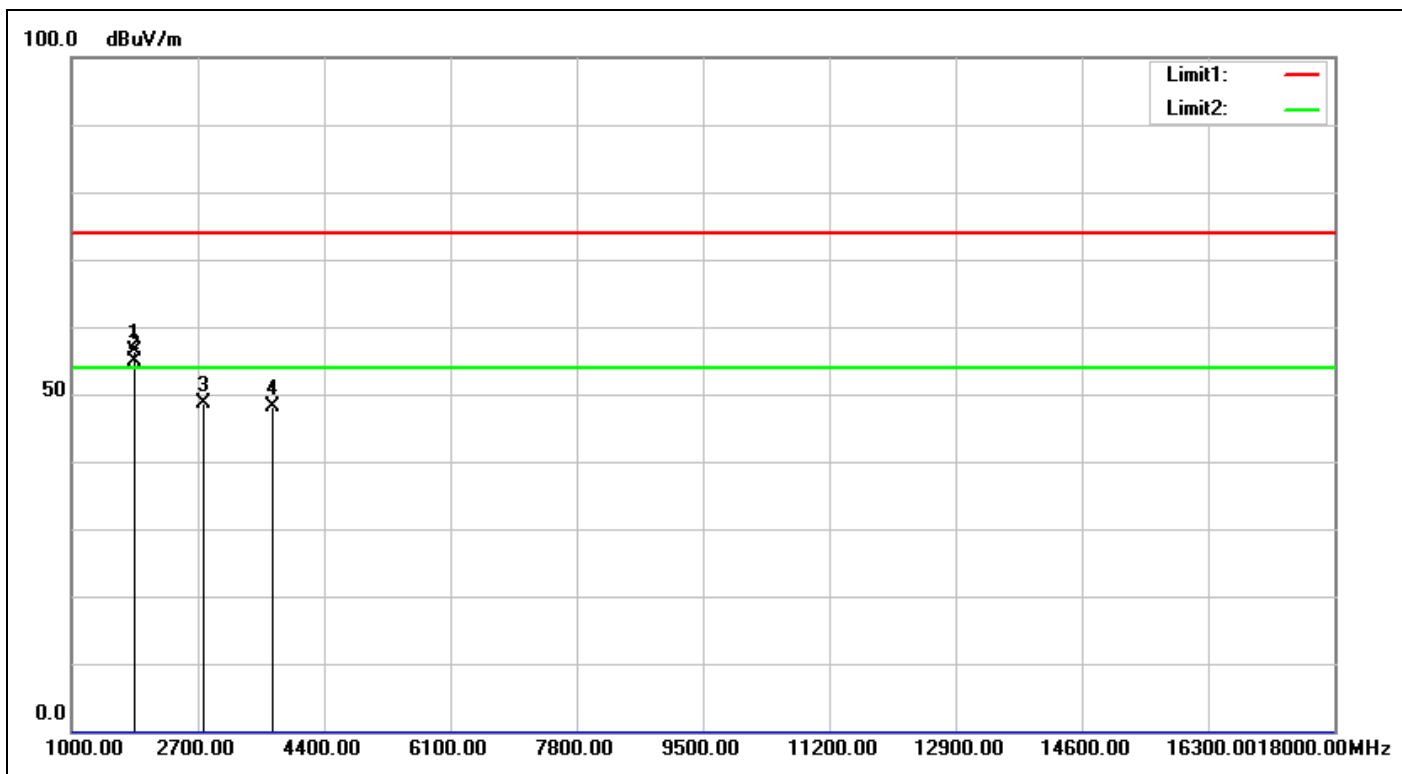
Model No.: SENSIT EPL US

Test Engineer: Freeman Wang

Test Mode: TX 915.2MHz

Remark: X

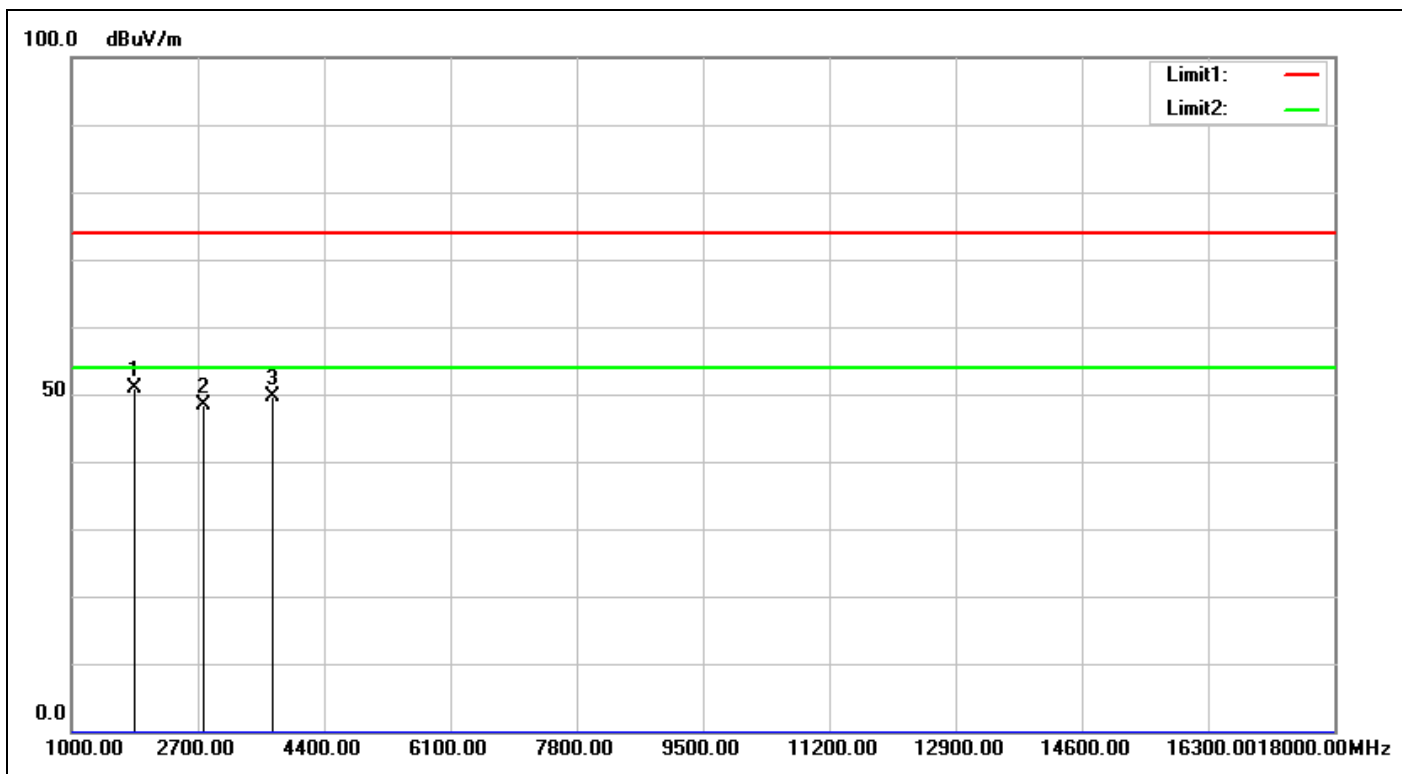
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1830.400	-9.78	62.10	52.32	74.00	-21.68	peak	100	184	
2	1830.400	-9.78	59.65	49.87	54.00	-4.13	AVG	100	184	
3	2745.600	-7.59	55.89	48.30	74.00	-25.70	peak	100	112	
4	3660.800	-6.30	55.37	49.07	74.00	-24.93	peak	100	198	



Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/8 10:51:56
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	20.9(°C)/46%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 927.6MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1855.200	-9.56	65.86	56.30	79.7	-23.4	peak	100	95	*
2	1855.200	-9.56	64.44	54.88	65	-10.12	AVG	100	95	*
3	2782.800	-7.51	56.20	48.69	74.00	-25.31	peak	100	239	
4	3710.400	-6.21	54.41	48.20	74.00	-25.80	peak	100	158	

*limit - 20dB below the peak of fundamental.



Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/8 10:52:59
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	20.9(°C)/46%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 927.6MHz		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1855.200	-9.56	60.35	50.79	74.00	-23.21	peak	100	2	
2	2782.800	-7.51	55.91	48.40	74.00	-25.60	peak	100	304	
3	3710.400	-6.21	55.94	49.73	74.00	-24.27	peak	100	13	

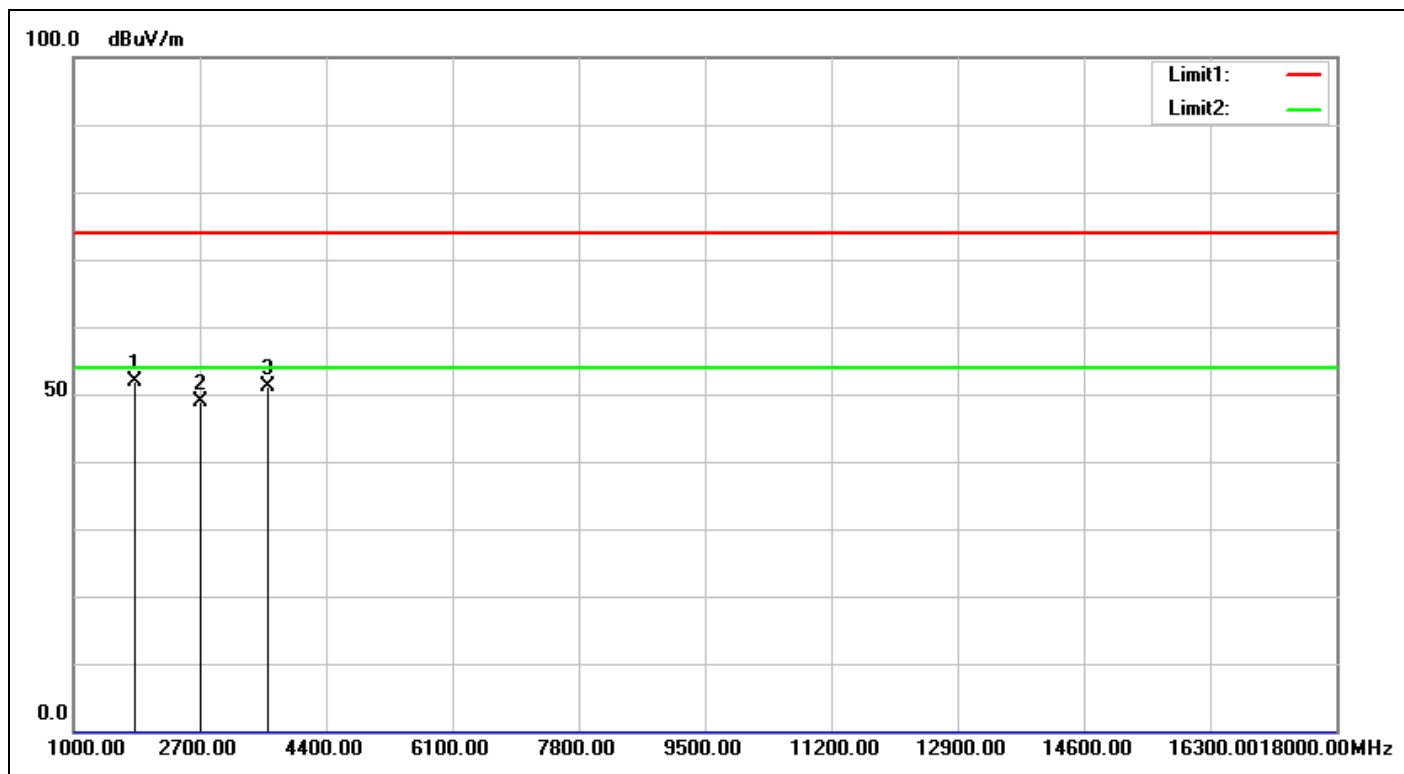
Spurious Emissions,TX Mode,For IC, 1-18G



TUV Taiwan

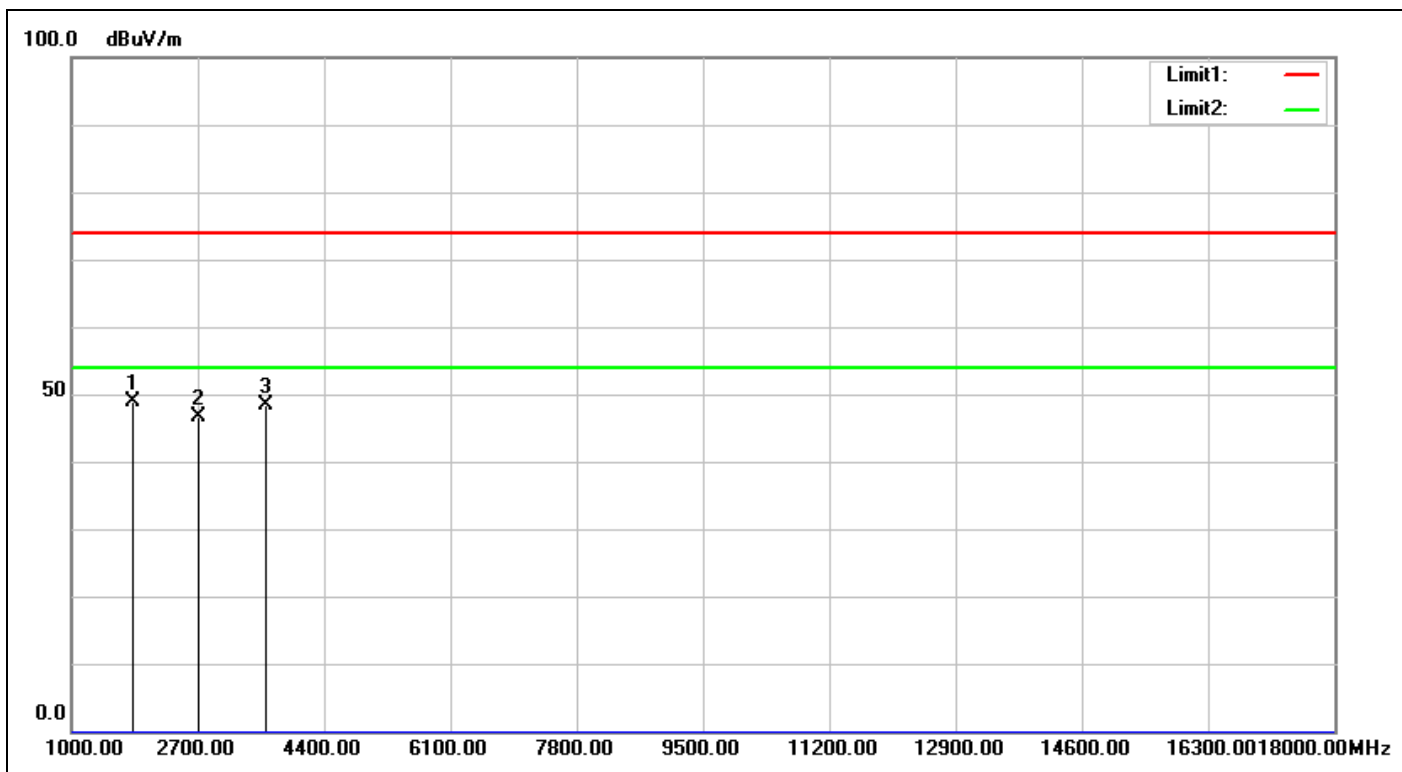
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Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/28 10:08:15
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 902.4MHz		
Remark:	IC turntable height 1.5m		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1804.800	-9.31	61.17	51.86	74.00	-22.14	peak	100	97	
2	2707.200	-7.14	56.10	48.96	74.00	-25.04	peak	100	194	
3	3609.600	-6.03	57.04	51.01	74.00	-22.99	peak	100	207	



Service No.:	114032973_FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/28 10:09:17
Applicant:	Nedap	Test Rating:	
Product:	Electronic Parking License	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	SENSIT EPL US	Test Engineer:	Freeman Wang
Test Mode:	TX 902.4MHz		
Remark:	IC turntable height 1.5m		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1804.800	-9.31	58.19	48.88	74.00	-25.12	peak	100	328	
2	2707.200	-7.14	53.82	46.68	74.00	-27.32	peak	100	39	
3	3609.600	-6.03	54.49	48.46	74.00	-25.54	peak	100	355	