

Test Report No.50092679 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50092679AppendixD)

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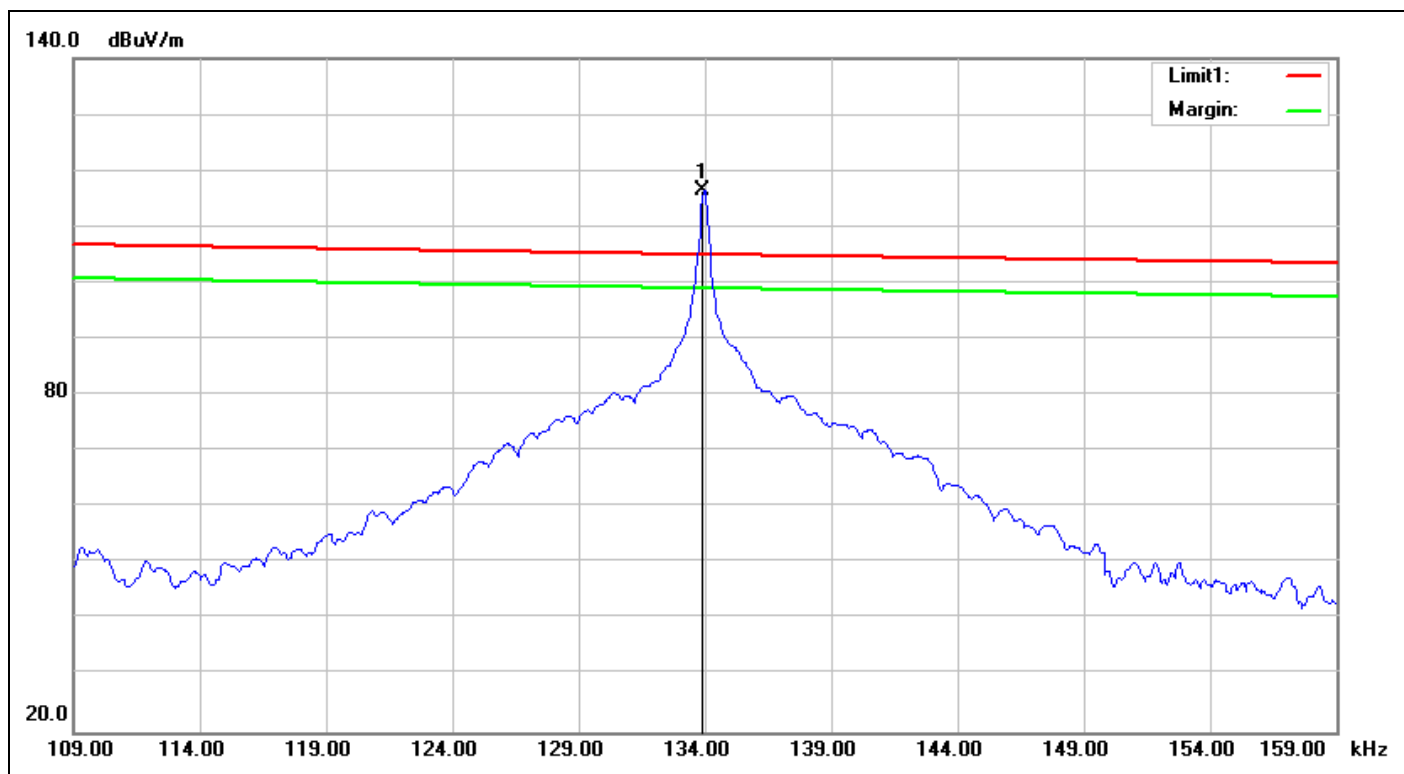
Emissions, Fundamental



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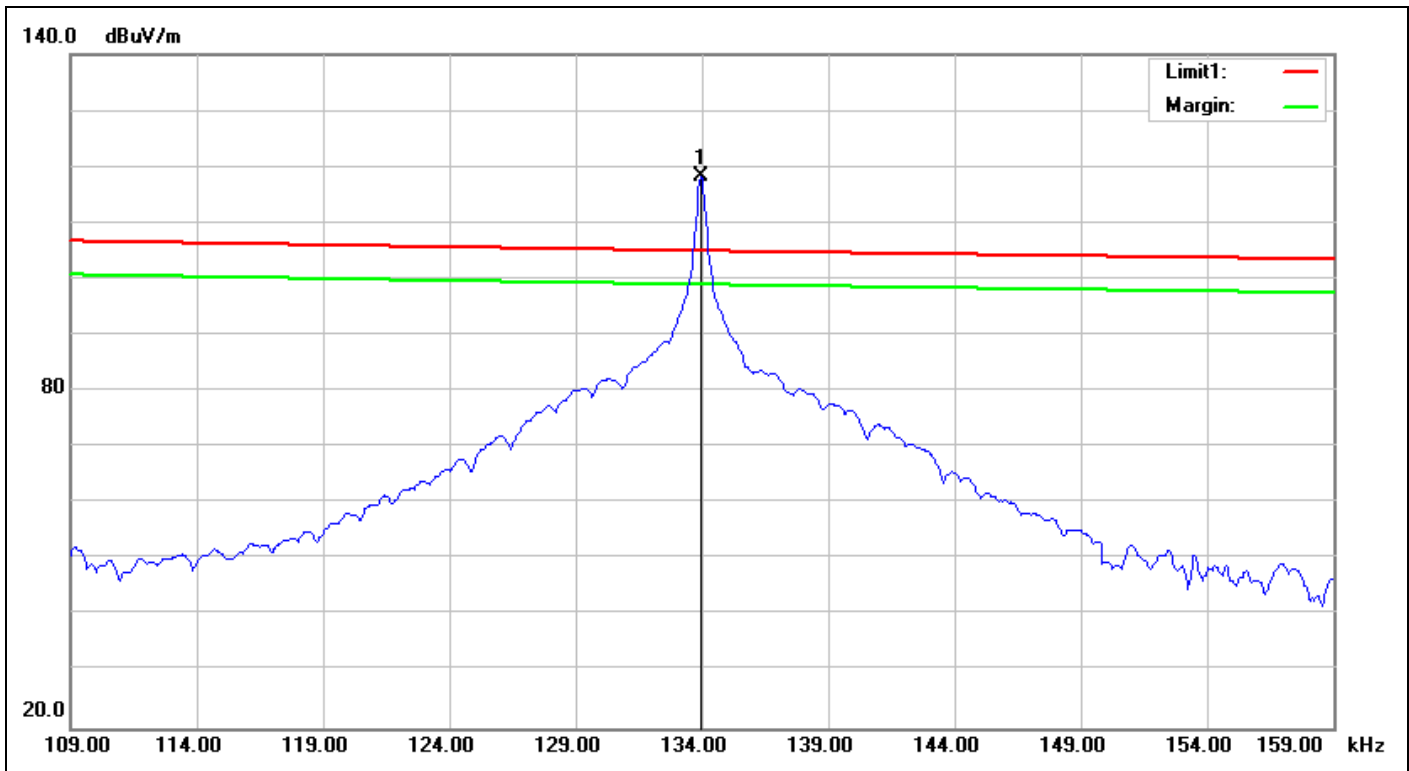
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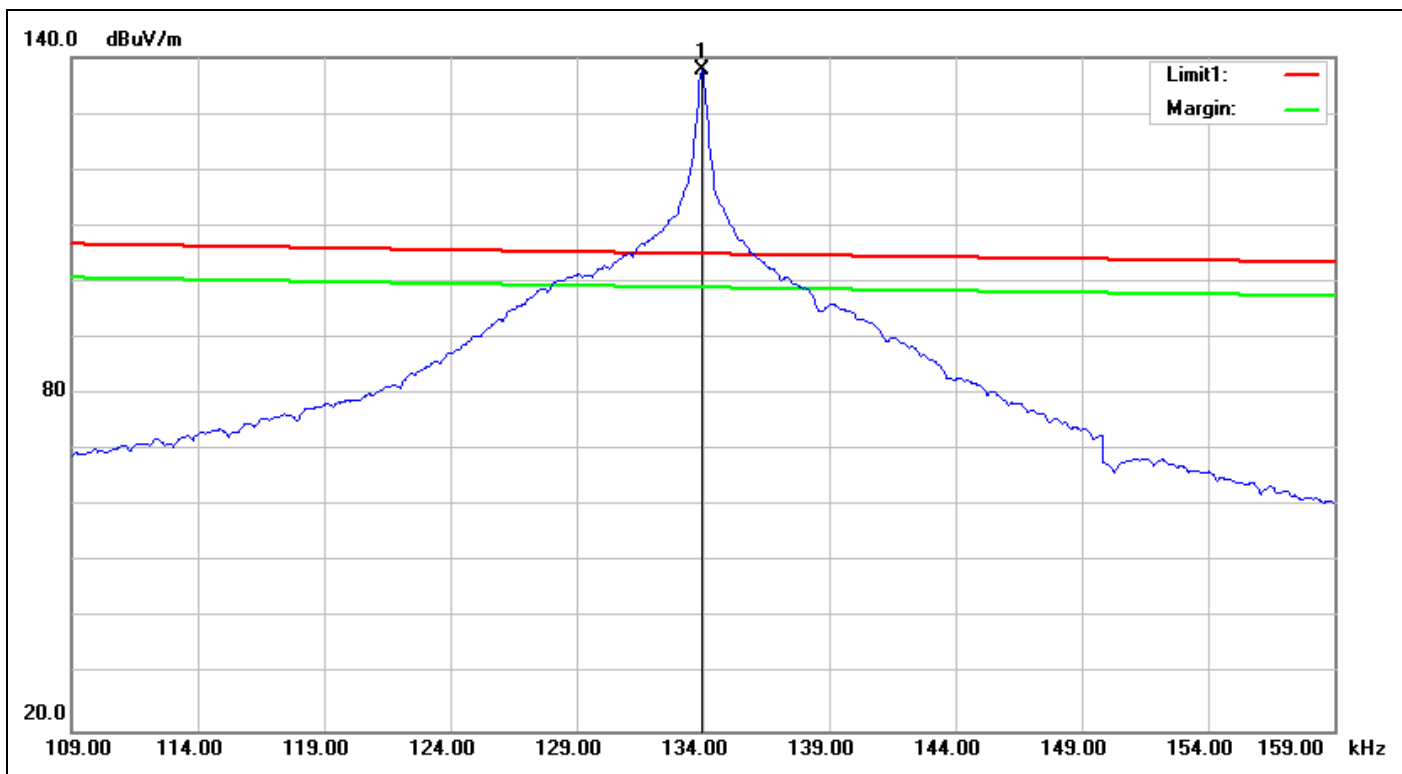
Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 15:01:57
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%):	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6040		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1341	19.10	97.28	116.38	105.05	11.33	peak	100	221	Distance factor 40 dB/decade
1	0.1341	19.10	97.28	116.38	138.65	22.27	peak	100	221	Distance factor 56.8 dB/decade



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:39:33
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6042		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1341	19.10	99.05	118.15	104.98	13.17	peak	100	202	Distance factor 40 dB/decade
1	0.1341	19.10	99.05	118.15	138.65	20.5	peak	100	202	Distance factor 56.8 dB/decade



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:07:29
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6050		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1341	19.10	118.62	137.72	104.98	32.74	peak	100	109	Distance factor 40 dB/decade
1	0.1341	19.10	118.62	137.72	138.65	0.93	peak	100	109	Distance factor 56.8 dB/decade

Spurious Emissions, TX Mode, 9-150 kHz

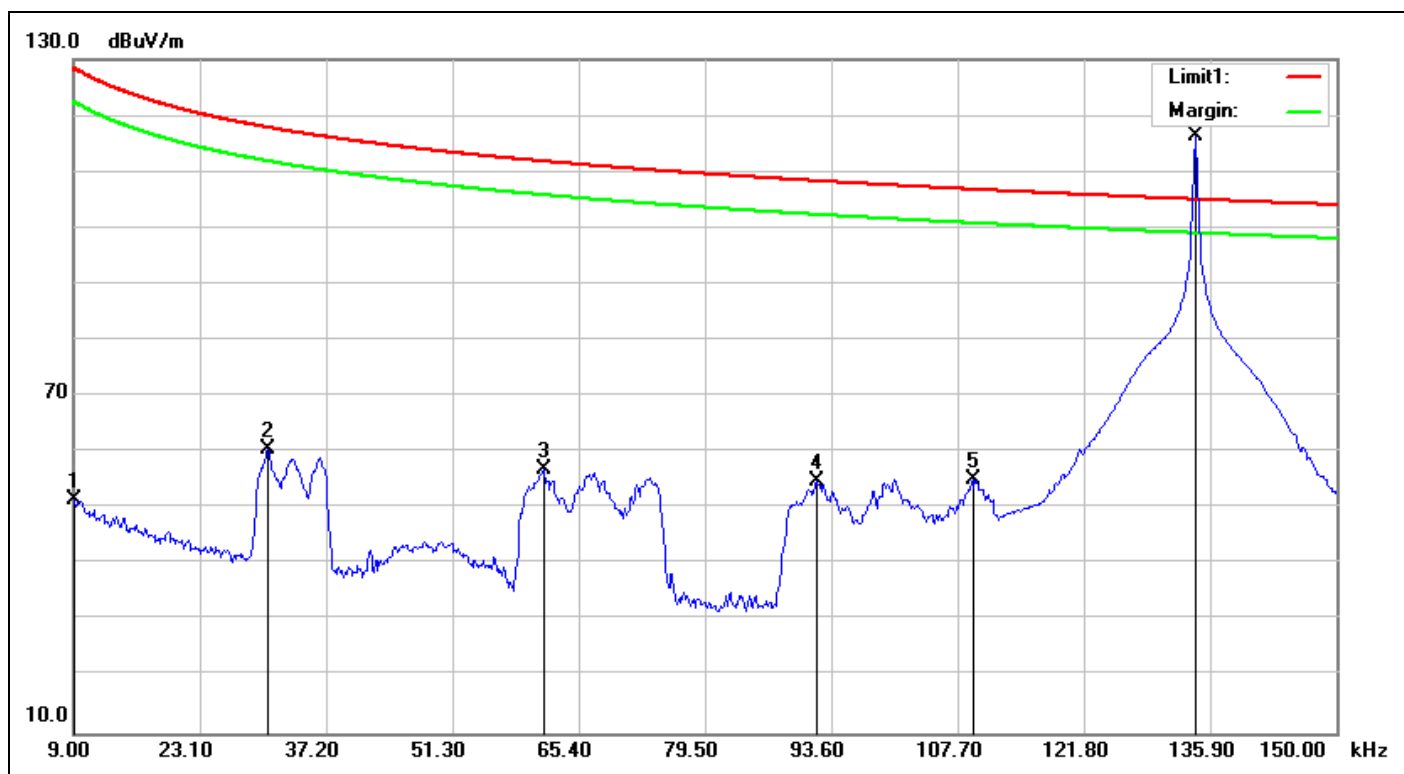
Spurious Emissions, TX Mode, 9-150 kHz



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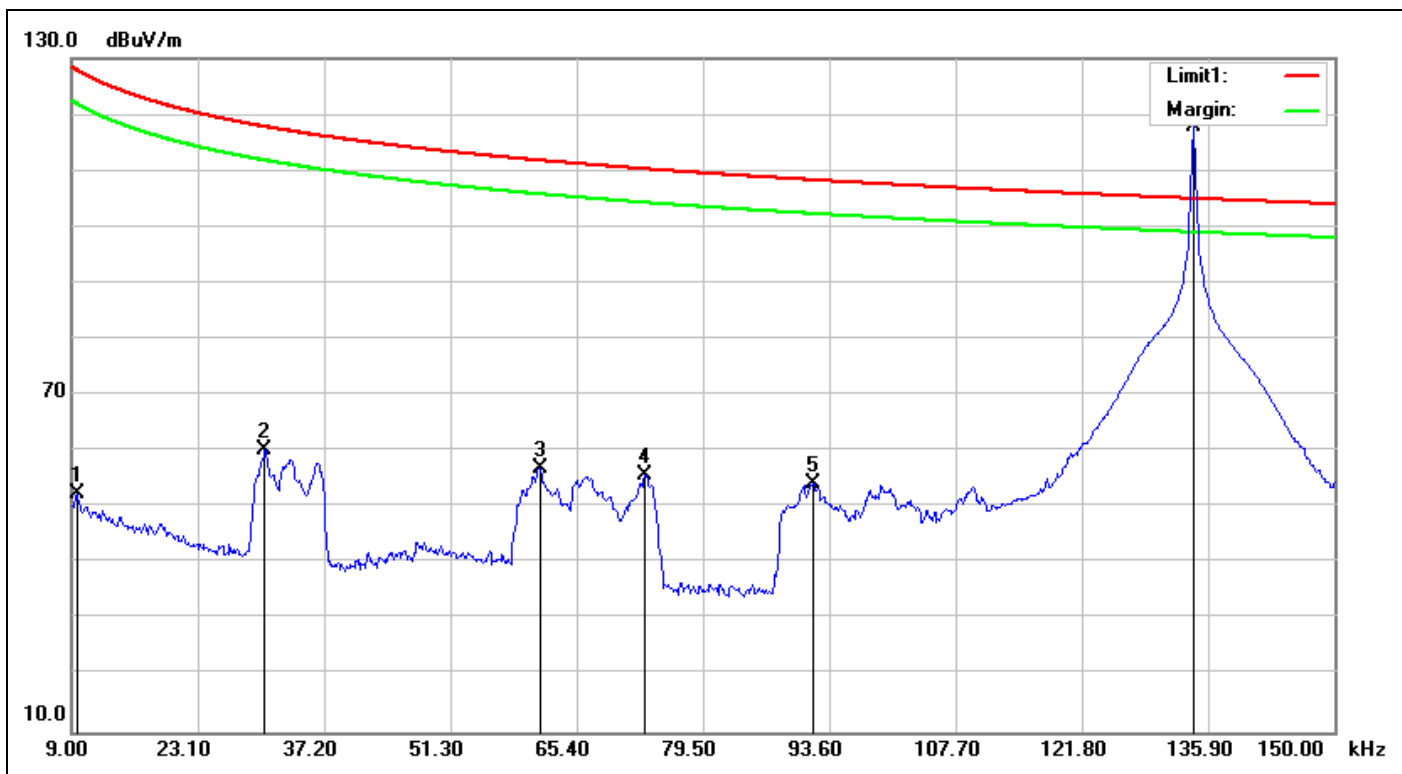


Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 14:15:06
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%):	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6040		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0091	19.57	31.91	51.48	128.40	-76.92	QP	100	204	
2	0.0307	20.11	40.34	60.45	117.85	-57.40	QP	100	301	
3	0.0615	19.36	37.63	56.99	111.82	-54.83	QP	100	135	
4	0.0919	19.18	35.61	54.79	108.33	-53.54	QP	100	167	
5	0.1094	19.12	35.96	55.08	106.82	-51.74	QP	100	189	
6	0.1342	19.10	97.29	116.39	158.65	-42.26	QP	100	221	Tx

For the Fundamental TX, the Distance Attenuation Factor was determined to be 56.8 dB/decade

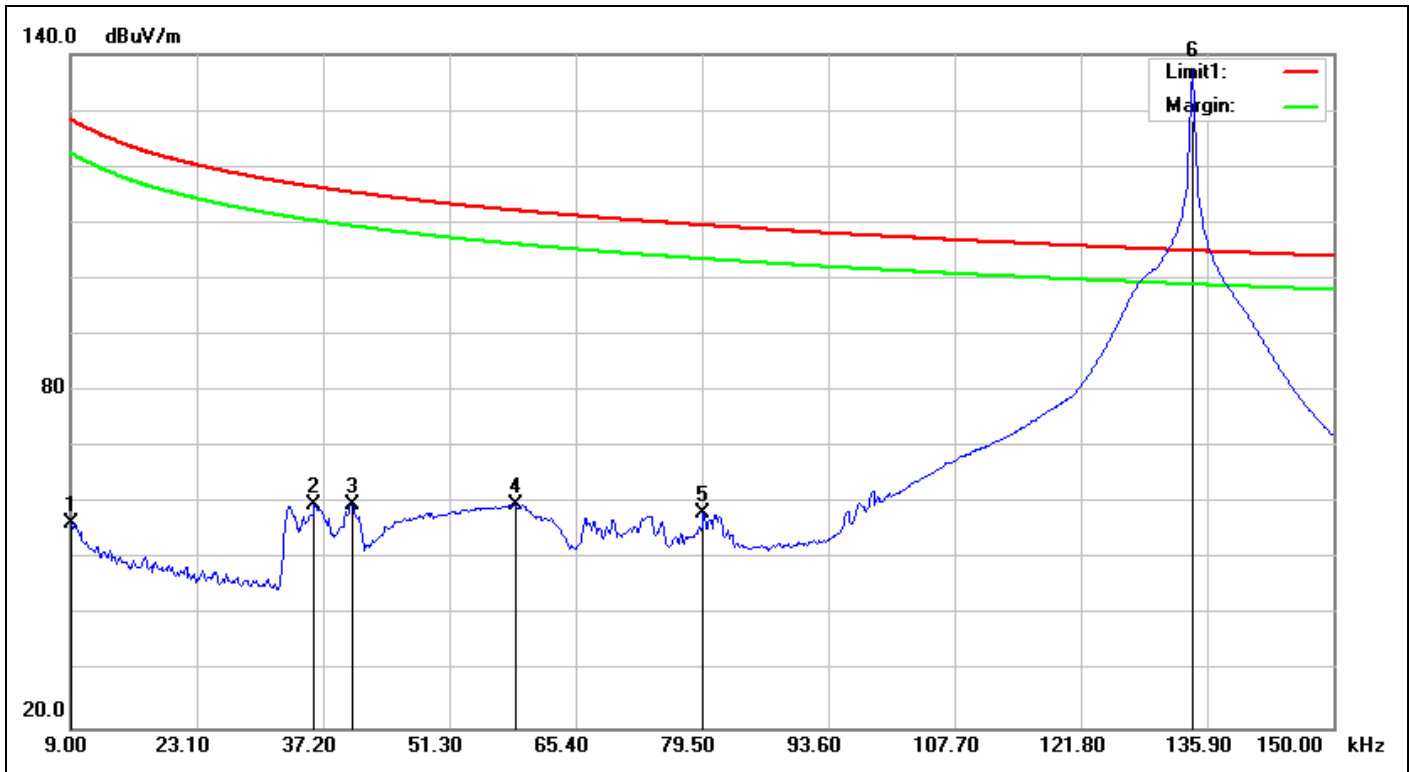
Spurious Emissions, TX Mode 9-150 kHz



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:36:33
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6042		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.78	32.78	52.56	127.84	-75.28	QP	100	138	
2	0.0306	20.11	40.27	60.38	117.81	-57.43	QP	100	315	
3	0.0613	19.36	37.67	57.03	111.79	-54.76	QP	100	278	
4	0.0730	19.29	36.51	55.80	110.28	-54.48	QP	100	194	
5	0.0918	19.18	35.14	54.32	108.30	-53.98	QP	100	167	
6	0.1341	19.10	98.77	117.87	158.65	-40.78	QP	100	202	Tx

For the Fundamental TX, the Distance Attenuation Factor was determined to be 56.8 dB/decade



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:02:44
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6050		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0091	19.60	36.88	56.48	128.31	-71.83	QP	100	128	
2	0.0362	19.91	39.83	59.74	116.35	-56.61	QP	100	72	
3	0.0404	19.76	40.02	59.78	115.40	-55.62	QP	100	317	
4	0.0586	19.38	40.42	59.80	112.18	-52.38	QP	106	360	
5	0.0796	19.25	39.13	58.38	109.53	-51.15	QP	100	357	
6	0.1341	19.10	118.38	137.48	158.65	-21.17	QP	100	109	Tx

For the Fundamental TX, the Distance Attenuation Factor was determined to be 56.8 dB/decade

Spurious Emissions, TX Mode, 150 kHz -30MHz

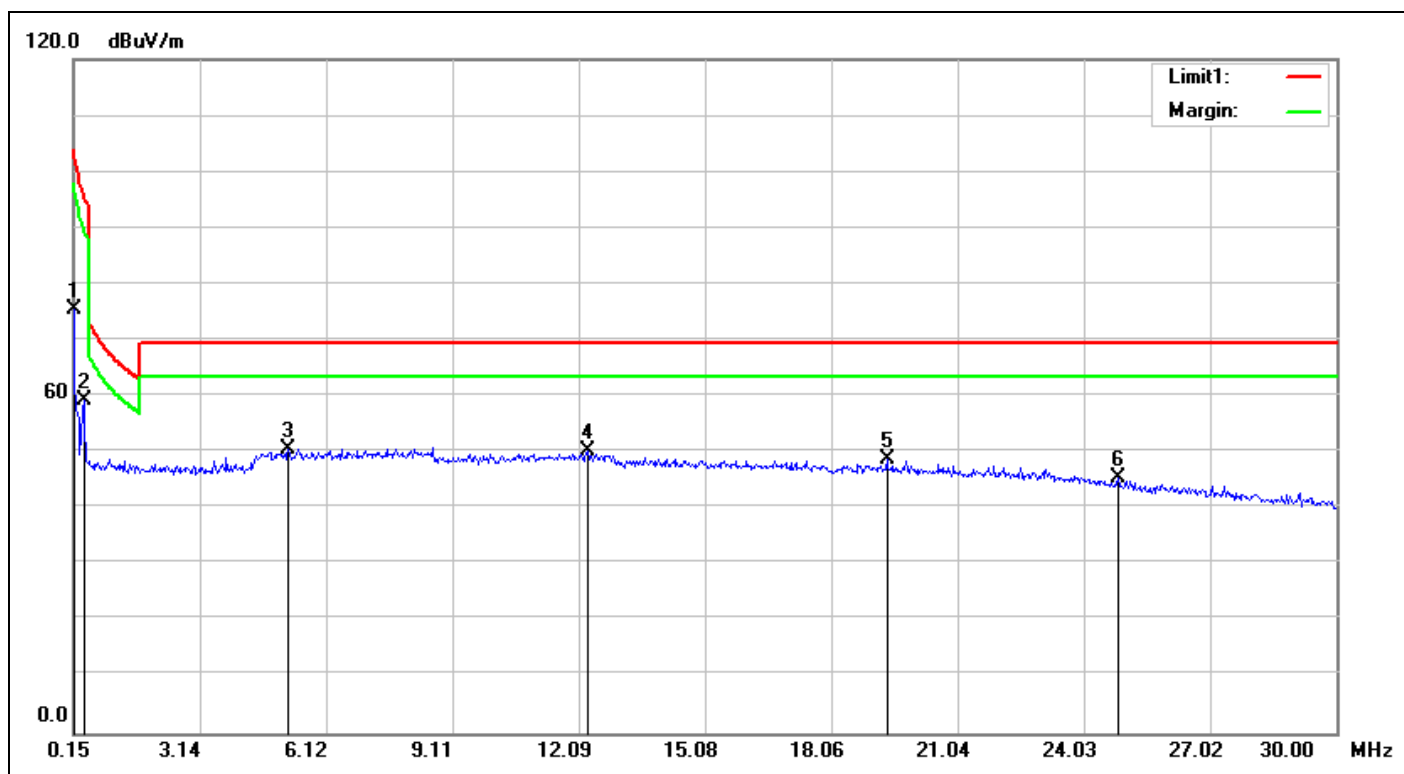
Spurious Emissions, TX Mode, 150 kHz -30MHz



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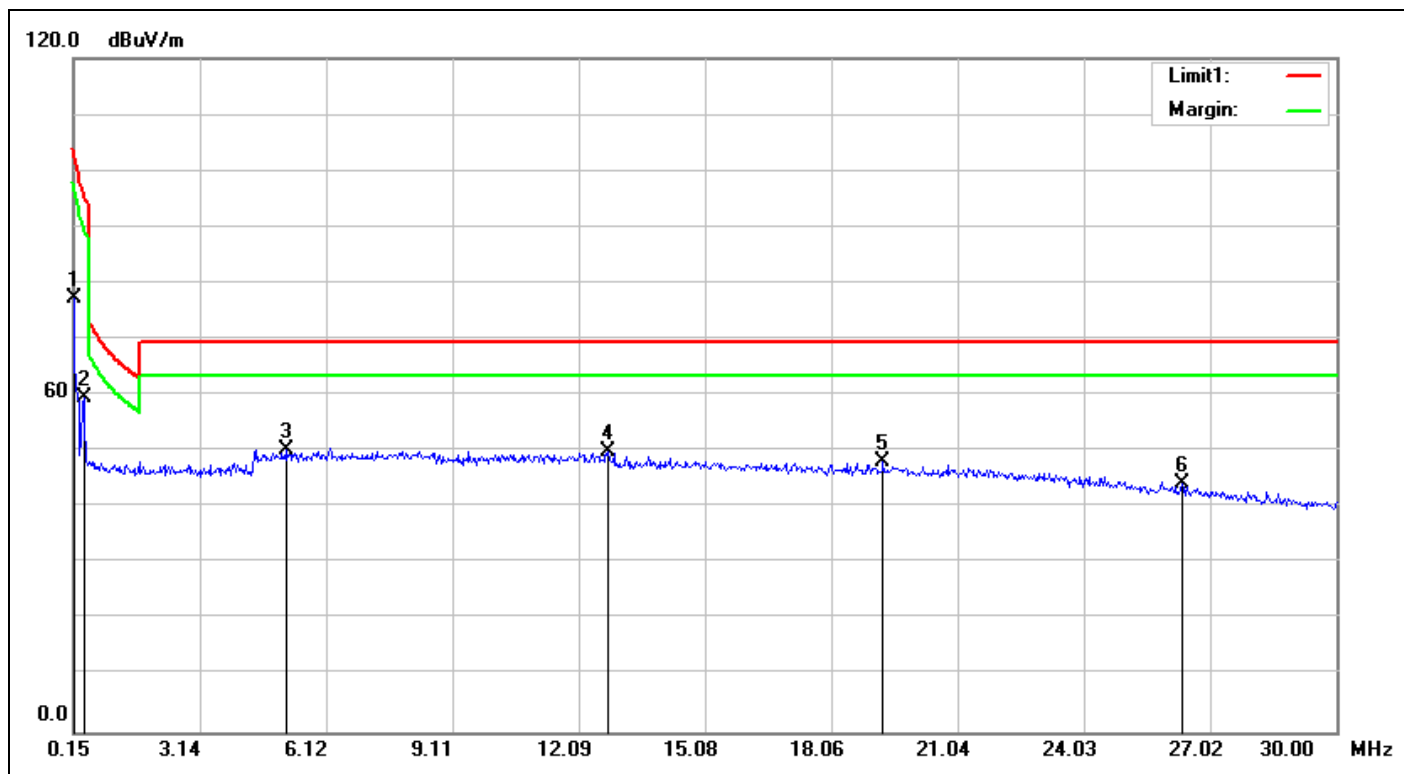
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Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 15:06:25
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6040		

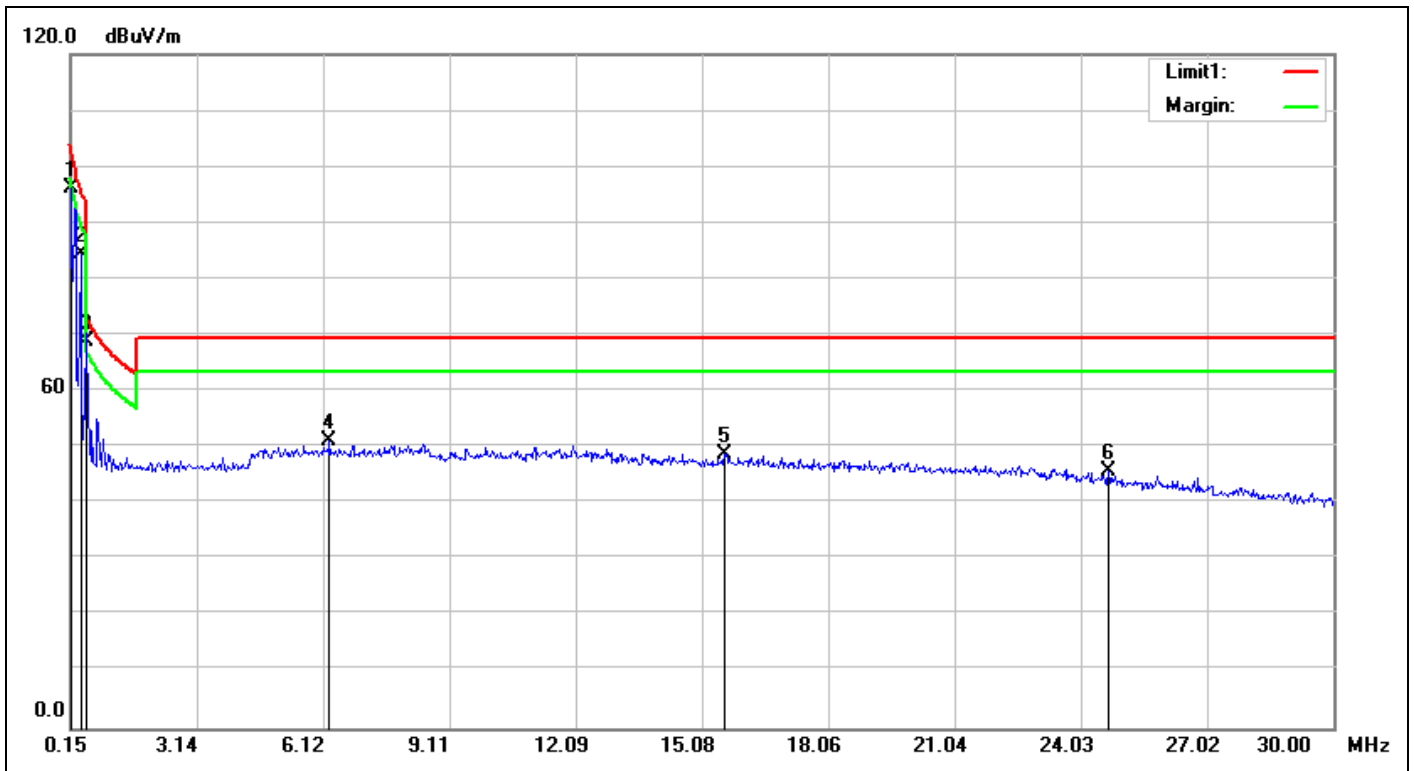
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	56.50	75.58	104.08	-28.50	QP	100	134	
2	0.3888	18.91	40.20	59.11	95.81	-36.70	QP	100	156	
3	5.2245	19.78	30.76	50.54	69.50	-18.96	QP	100	279	
4	12.2990	20.62	29.50	50.12	69.50	-19.38	QP	100	221	
5	19.3734	21.87	26.91	48.78	69.50	-20.72	QP	100	305	
6	24.8360	22.31	23.21	45.52	69.50	-23.98	QP	100	312	

Spurious Emissions, TX Mode 150 kHz -30MHz



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:45:22
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6042		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	58.19	77.27	104.05	-26.78	QP	100	228	
2	0.3888	18.91	40.57	59.48	95.80	-36.32	QP	100	292	
3	5.1648	19.77	30.58	50.35	69.50	-19.15	QP	100	135	
4	12.7766	20.71	29.12	49.83	69.50	-19.67	QP	100	218	
5	19.2839	21.86	26.25	48.11	69.50	-21.39	QP	100	301	
6	26.3583	22.41	21.80	44.21	69.50	-25.29	QP	100	95	



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/7/18 16:21:42
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6050		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	77.02	96.10	104.02	-7.92	QP	100	215	
2	0.3888	18.91	65.56	84.47	95.80	-11.33	QP	100	307	
3	0.5381	18.87	50.03	68.90	72.99	-4.09	QP	100	259	
4	6.2693	19.88	31.13	51.01	69.50	-18.49	QP	100	132	
5	15.6123	21.21	27.55	48.76	69.50	-20.74	QP	100	115	
6	24.6867	22.30	23.52	45.82	69.50	-23.68	QP	100	138	

Spurious Emissions, TX Mode, 30MHz-1GHz

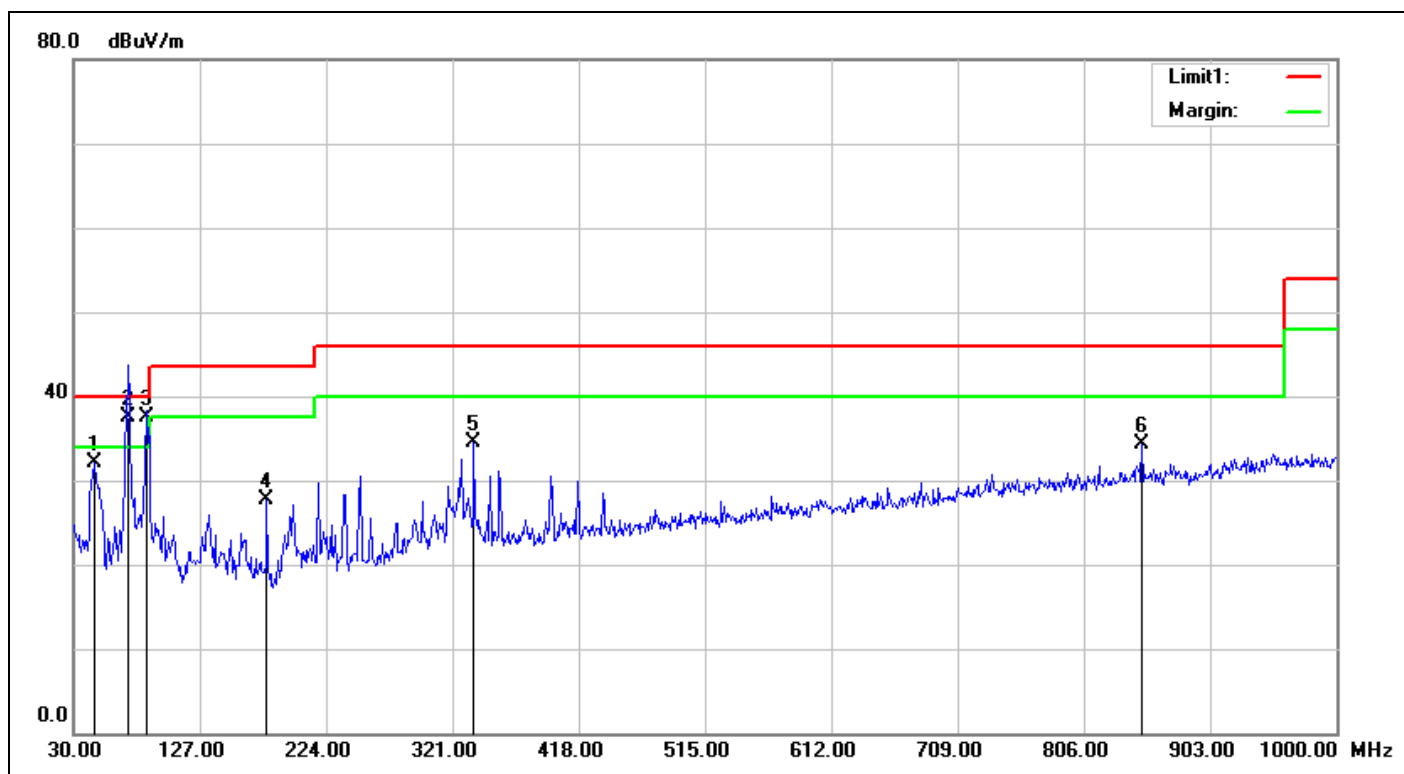
Spurious Emissions, TX Mode, 30MHz-1GHz



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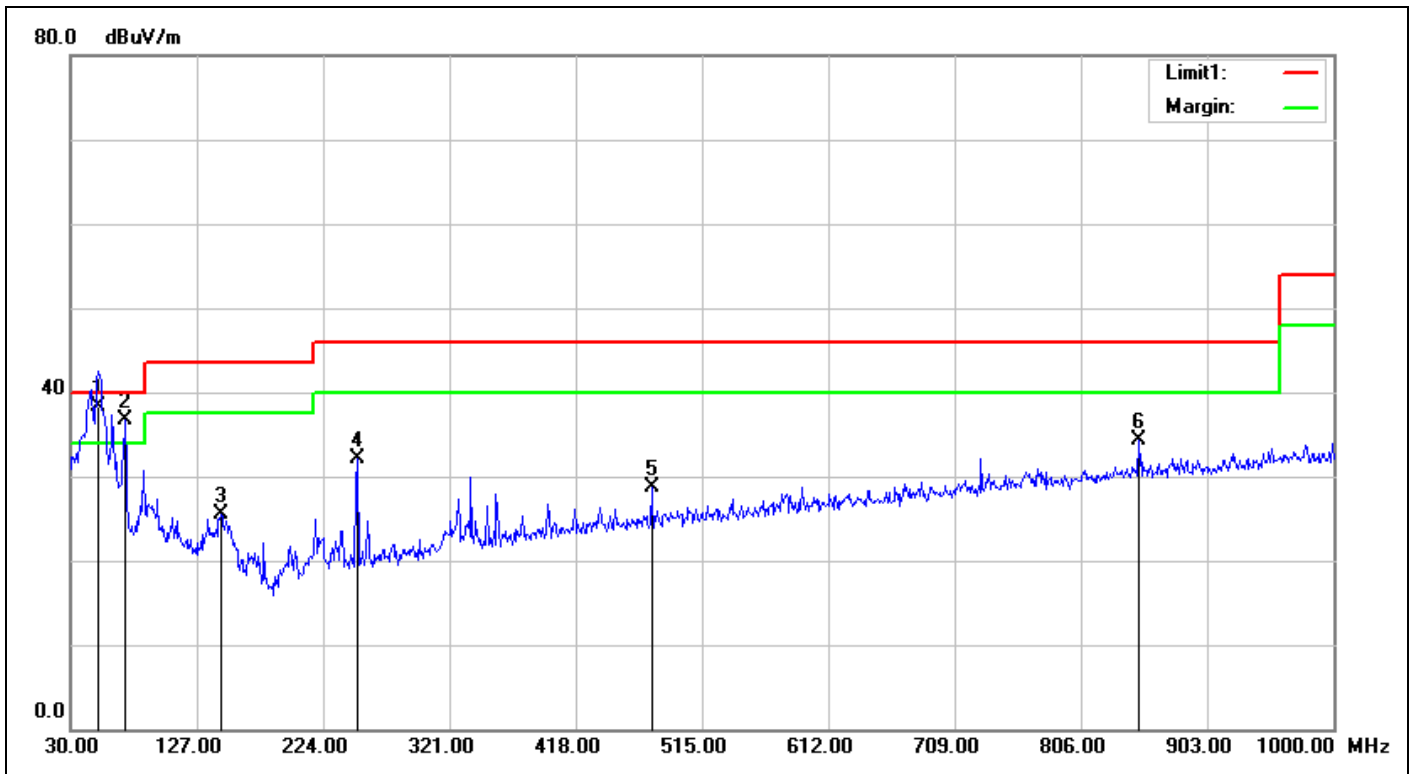
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Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/7/18 15:17:49
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6040		

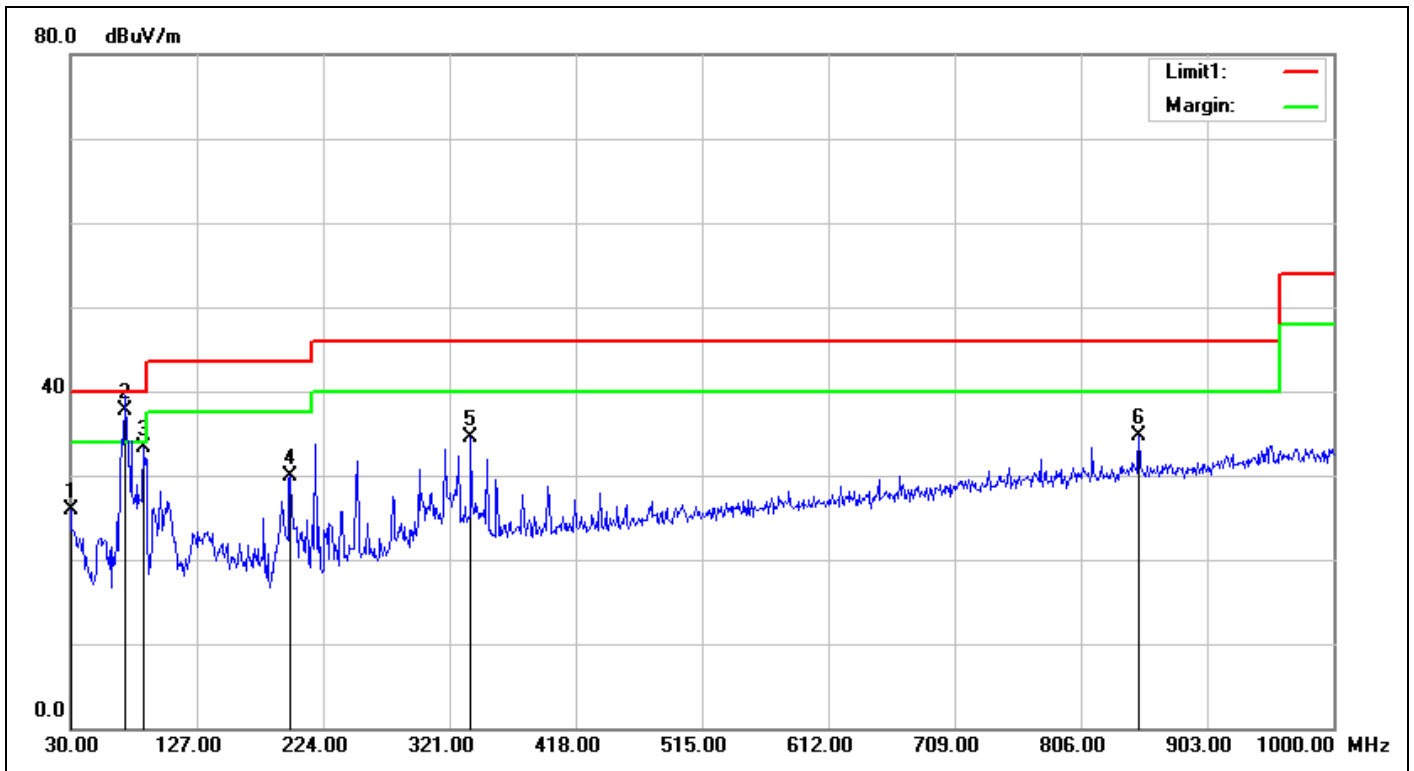
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	45.5200	-8.93	40.94	32.01	40.00	-7.99	QP	198	207	
2	71.7099	-12.91	50.45	37.54	40.00	-2.46	QP	100	197	
3	86.2600	-11.35	48.77	37.42	40.00	-2.58	QP	200	235	
4	178.4100	-9.63	37.42	27.79	43.50	-15.71	QP	200	216	
5	337.4900	-3.80	38.31	34.51	46.00	-11.49	QP	400	219	
6	850.6200	3.59	30.67	34.26	46.00	-11.74	QP	100	117	

Spurious Emissions, TX Mode, 30M-1GHz



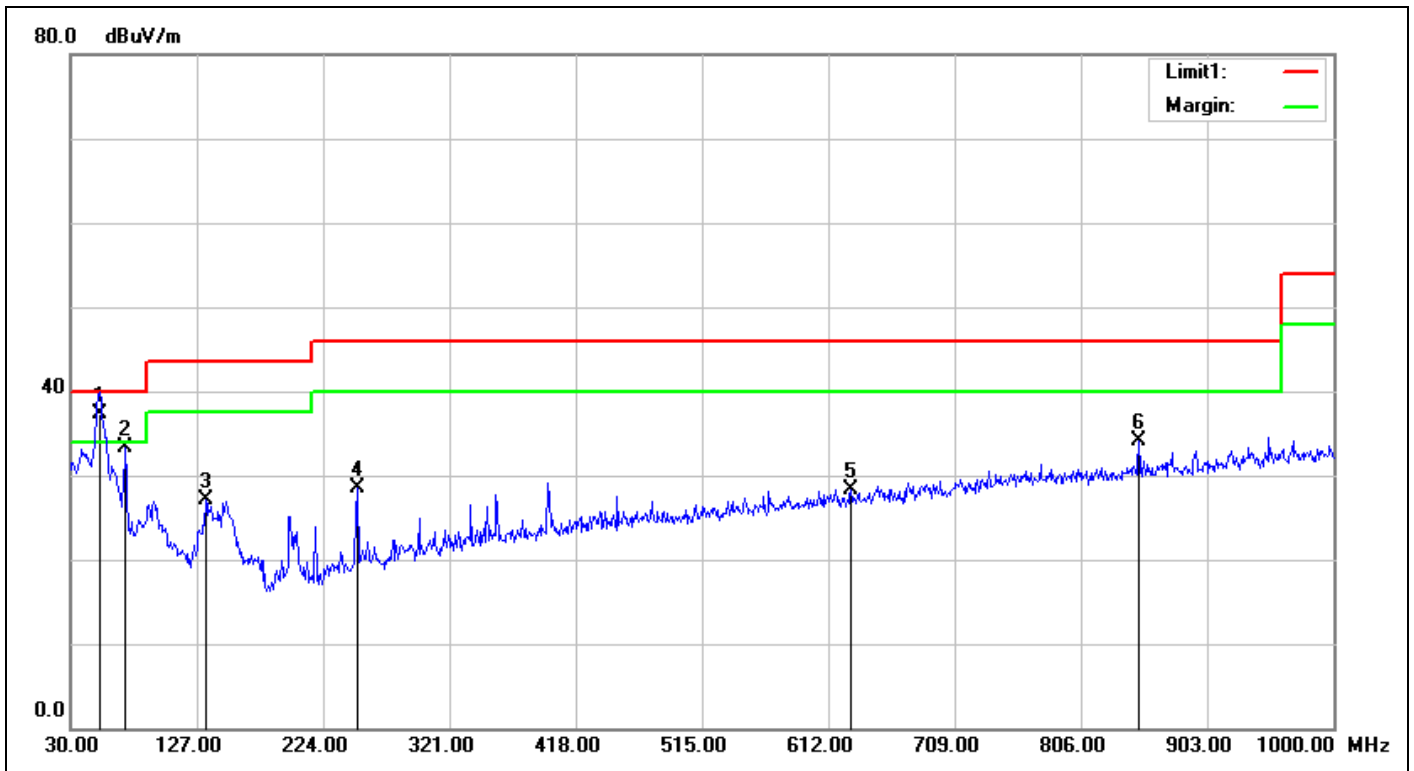
Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/7/18 15:24:09
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6040		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	51.3400	-11.56	49.96	38.40	40.00	-1.60	QP	100	67	
2	71.7100	-12.91	49.67	36.76	40.00	-3.24	QP	200	237	
3	145.4300	-7.34	32.90	25.56	43.50	-17.94	QP	100	139	
4	250.1900	-5.83	37.84	32.01	46.00	-13.99	QP	200	160	
5	476.2000	-1.70	30.35	28.65	46.00	-17.35	QP	100	224	
6	850.6200	3.59	30.63	34.22	46.00	-11.78	QP	100	174	



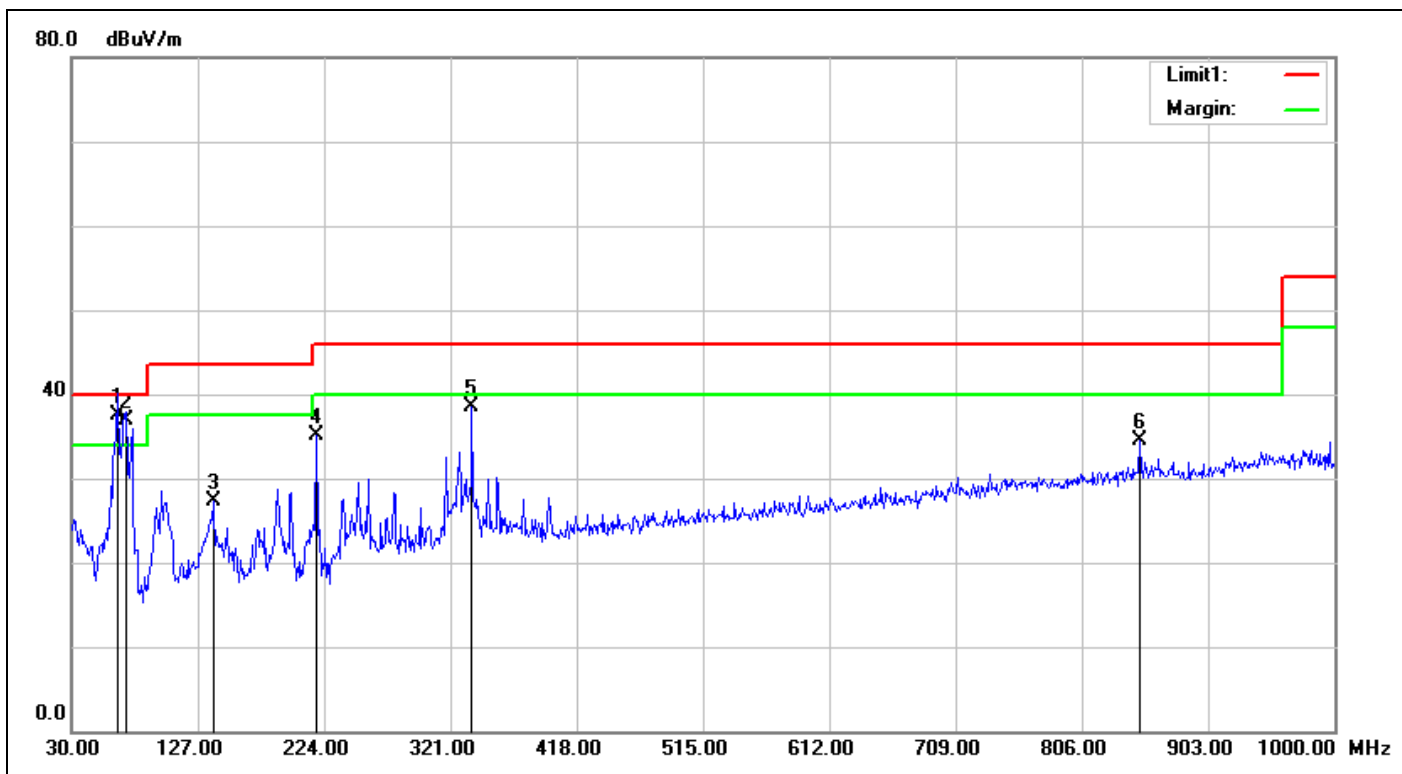
Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/7/18 17:06:19
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6042		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.08	26.02	25.94	40.00	-14.06	QP	143	360	
2	71.7099	-12.86	50.51	37.65	40.00	-2.35	QP	200	360	
3	86.2600	-11.31	44.67	33.36	40.00	-6.64	QP	200	360	
4	198.7800	-9.00	38.84	29.84	43.50	-13.66	QP	100	320	
5	337.4900	-3.70	38.25	34.55	46.00	-11.45	QP	100	152	
6	850.6200	3.72	31.05	34.77	46.00	-11.23	QP	200	200	



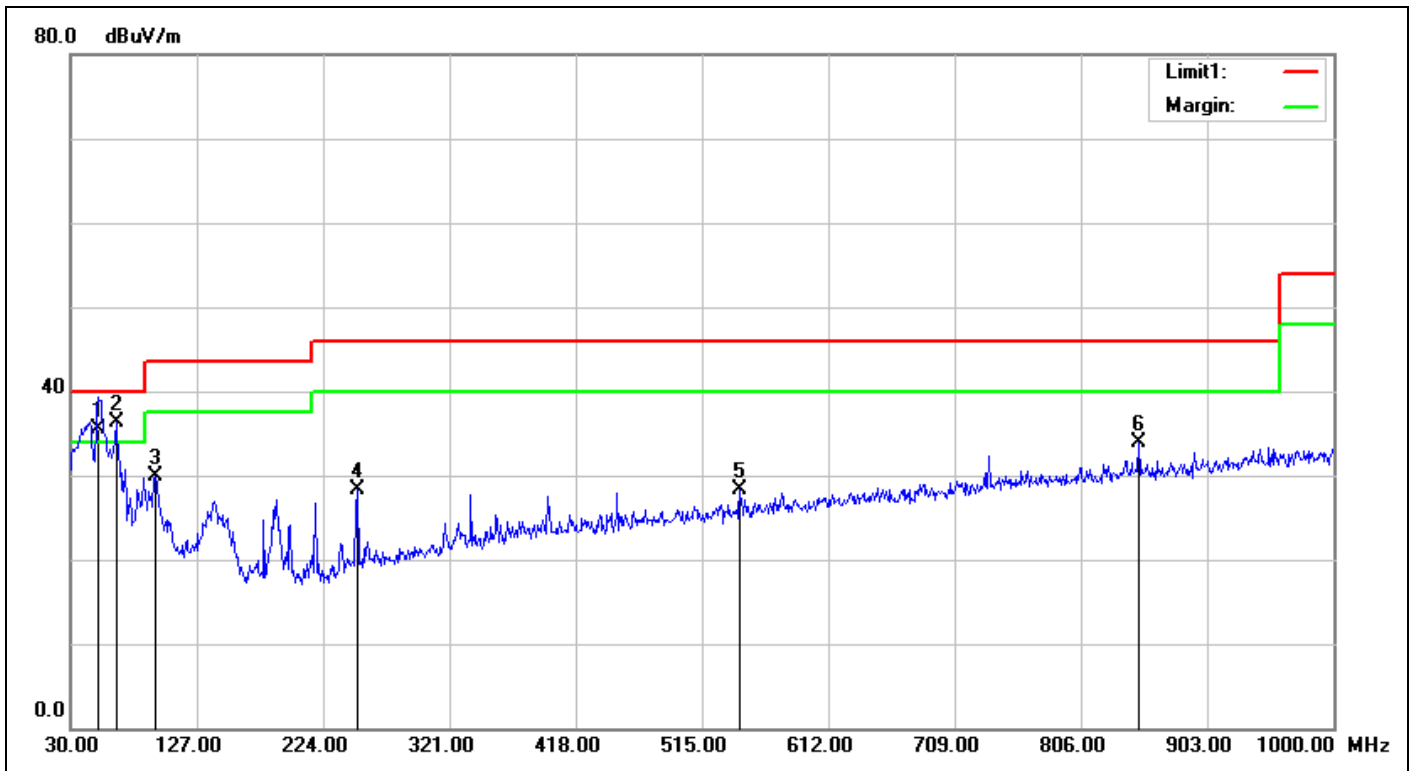
Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/7/18 17:12:38
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6042		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	52.3100	-11.76	49.11	37.35	40.00	-2.65	QP	100	136	
2	71.7099	-12.86	46.23	33.37	40.00	-6.63	QP	200	347	
3	133.7899	-7.03	34.05	27.02	43.50	-16.48	QP	100	285	
4	250.1899	-5.76	34.24	28.48	46.00	-17.52	QP	200	189	
5	629.4600	0.27	28.12	28.39	46.00	-17.61	QP	100	357	
6	850.6200	3.72	30.48	34.20	46.00	-11.80	QP	100	171	



Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/7/18 15:45:23
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6050		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	64.9200	-13.42	50.84	37.42	40.00	-2.58	QP	300	142	
2	71.7099	-12.91	49.81	36.90	40.00	-3.10	QP	200	359	
3	138.6399	-7.11	34.49	27.38	43.50	-16.12	QP	200	187	
4	218.1800	-8.44	43.62	35.18	46.00	-10.82	QP	100	150	
5	337.4900	-3.80	42.29	38.49	46.00	-7.51	QP	100	219	
6	850.6200	3.59	30.90	34.49	46.00	-11.51	QP	200	155	



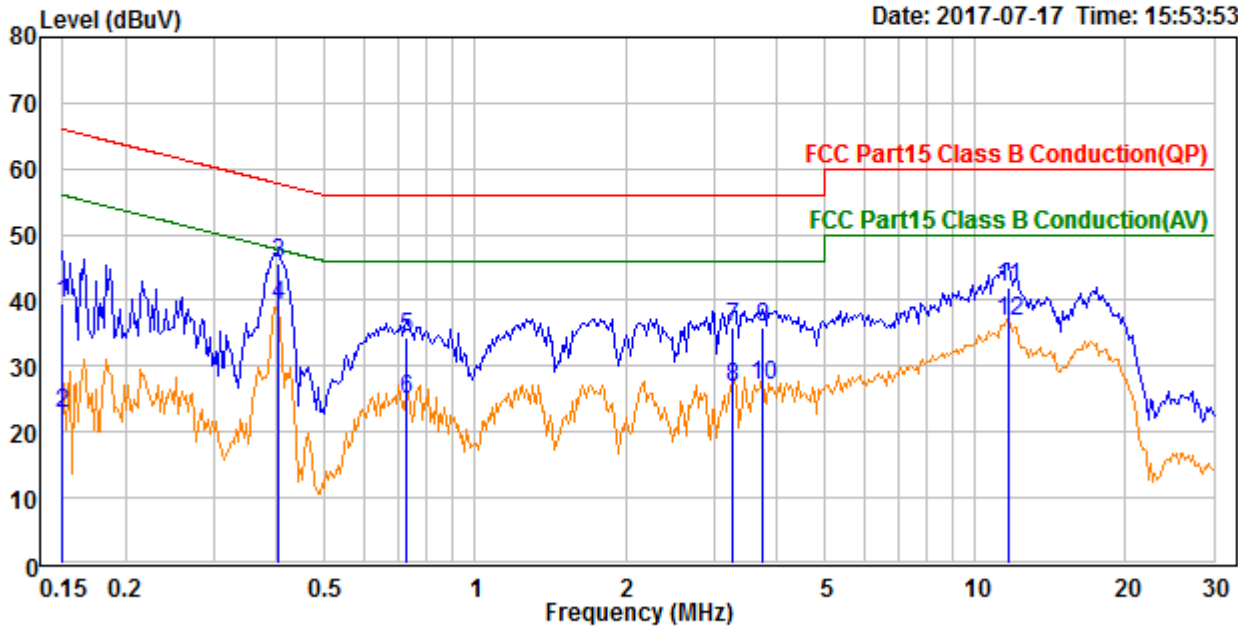
Service No.:	114064116(VP1801)	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/7/18 15:51:43
Applicant:	Nedap	Test Rating:	AC 120V/60Hz
Product:	HDP/FDP operation on 134.2	Temp.(°C)/Hum.(%)	22.1(°C)/54%
Model No.:	VP1801	Test Engineer:	Kai Wang
Test Mode:	Tx-134.2		
Remark:	Loop Antenna VP6050		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	51.3400	-11.56	47.06	35.50	40.00	-4.50	QP	100	152	
2	64.9200	-13.42	49.63	36.21	40.00	-3.79	QP	100	102	
3	94.9900	-10.27	40.15	29.88	43.50	-13.62	QP	100	189	
4	250.1900	-5.83	34.12	28.29	46.00	-17.71	QP	200	171	
5	544.1000	-0.95	29.23	28.28	46.00	-17.72	QP	200	240	
6	850.6200	3.59	30.37	33.96	46.00	-12.04	QP	100	181	

Mains Spurious Emissions

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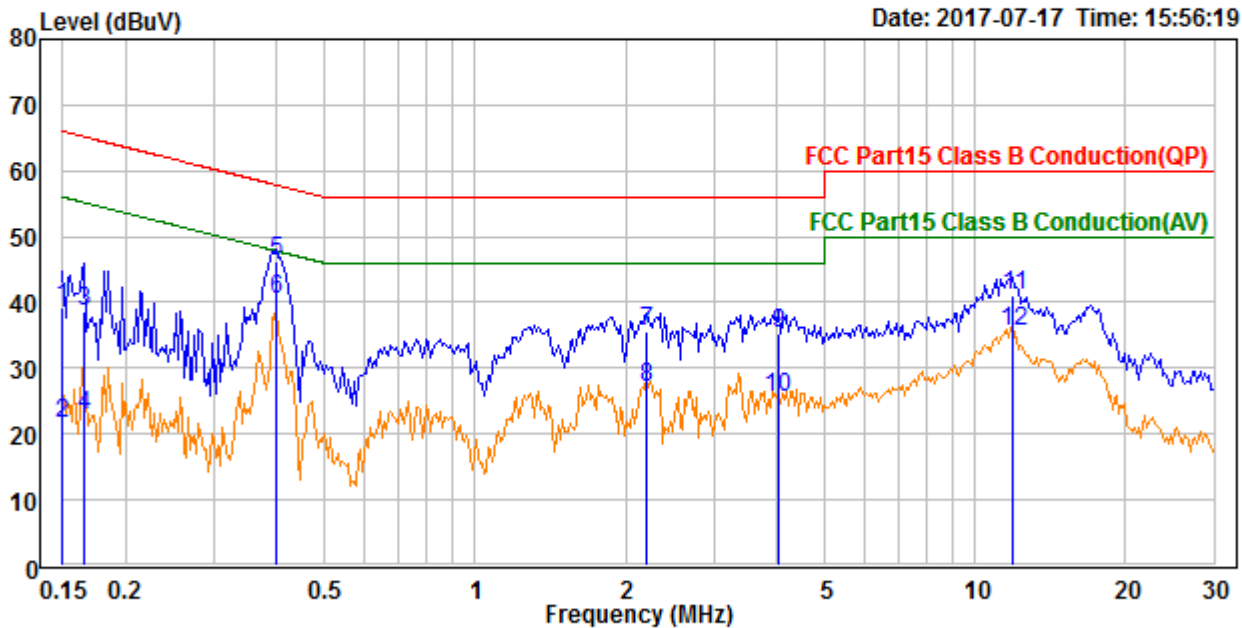


Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Freeman Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 24(°C) / 32 %
Memo : (a)Normal link with VP6040

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.150	39.50	29.83	9.65	0.02	9.67	66.00	-26.50	QP
2	0.150	22.66	12.99	9.65	0.02	9.67	56.00	-33.34	Average
3	0.405	45.78	36.12	9.64	0.02	9.66	57.74	-11.96	QP
4	0.405	39.20	29.54	9.64	0.02	9.66	47.74	-8.54	Average
5	0.729	34.24	24.57	9.65	0.02	9.67	56.00	-21.76	QP
6	0.729	25.00	15.33	9.65	0.02	9.67	46.00	-21.00	Average
7	3.269	36.04	26.32	9.67	0.05	9.72	56.00	-19.96	QP
8	3.269	26.80	17.08	9.67	0.05	9.72	46.00	-19.20	Average
9	3.757	35.98	26.26	9.67	0.05	9.72	56.00	-20.02	QP
10	3.757	27.21	17.49	9.67	0.05	9.72	46.00	-18.79	Average
11	11.668	42.01	32.18	9.74	0.09	9.83	60.00	-17.99	QP
12	11.668	36.74	26.91	9.74	0.09	9.83	50.00	-13.26	Average

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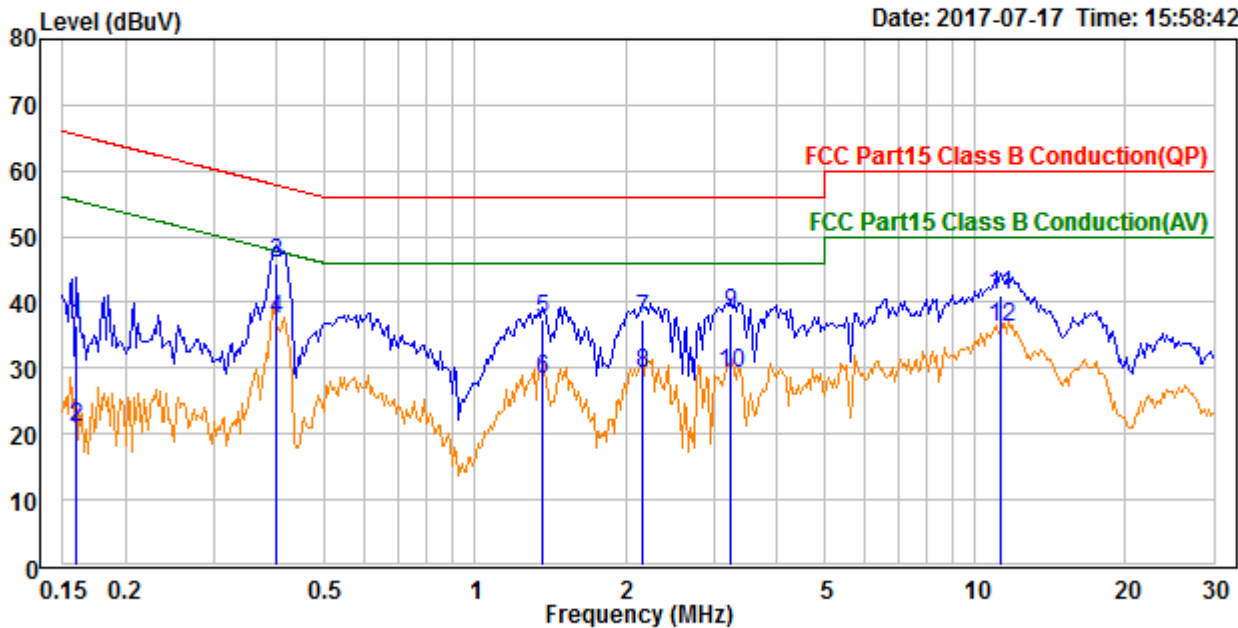
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Freeman Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 24(°C) / 32 %
Memo : (a)Normal link with VP6040

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.150	39.28	29.62	9.64	0.02	9.66	66.00	-26.72	QP
2	0.150	21.72	12.06	9.64	0.02	9.66	56.00	-34.28	Average
3	0.166	38.61	28.95	9.64	0.02	9.66	65.17	-26.56	QP
4	0.166	22.94	13.28	9.64	0.02	9.66	55.17	-32.23	Average
5	0.401	46.15	36.49	9.64	0.02	9.66	57.83	-11.68	QP
6	0.401	40.42	30.76	9.64	0.02	9.66	47.83	-7.41	Average
7	2.196	35.66	25.97	9.65	0.04	9.69	56.00	-20.34	QP
8	2.196	27.08	17.39	9.65	0.04	9.69	46.00	-18.92	Average
9	4.028	35.36	25.65	9.66	0.05	9.71	56.00	-20.64	QP
10	4.028	25.57	15.86	9.66	0.05	9.71	46.00	-20.43	Average
11	11.902	40.97	31.17	9.71	0.09	9.80	60.00	-19.03	QP
12	11.902	35.71	25.91	9.71	0.09	9.80	50.00	-14.29	Average

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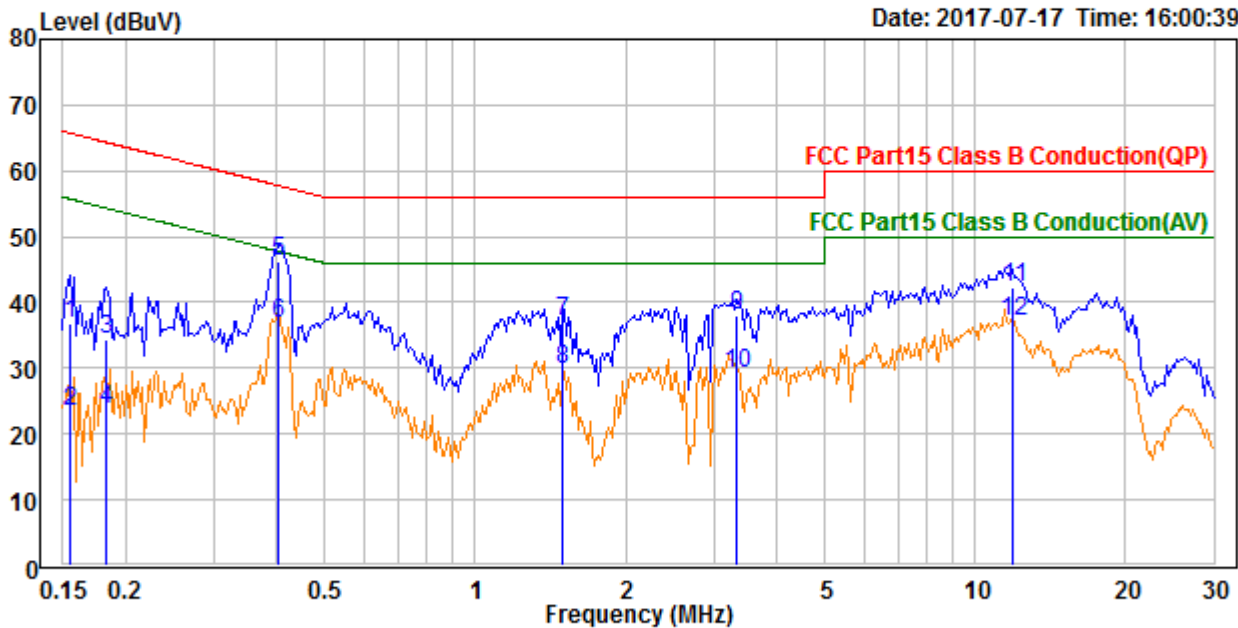
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Freeman Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 24(°C) / 32 %
Memo : (a)Normal link with VP6040

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.159	36.36	26.70	9.64	0.02	9.66	65.50	-29.14	QP
2	0.159	21.13	11.47	9.64	0.02	9.66	55.50	-34.37	Average
3	0.401	46.02	36.36	9.64	0.02	9.66	57.83	-11.81	QP
4	0.401	37.26	27.60	9.64	0.02	9.66	47.83	-10.57	Average
5	1.363	37.54	27.87	9.64	0.03	9.67	56.00	-18.46	QP
6	1.363	28.27	18.60	9.64	0.03	9.67	46.00	-17.73	Average
7	2.153	37.33	27.64	9.65	0.04	9.69	56.00	-18.67	QP
8	2.153	29.12	19.43	9.65	0.04	9.69	46.00	-16.88	Average
9	3.237	38.28	28.57	9.66	0.05	9.71	56.00	-17.72	QP
10	3.237	29.29	19.58	9.66	0.05	9.71	46.00	-16.71	Average
11	11.213	41.15	31.36	9.71	0.08	9.79	60.00	-18.85	QP
12	11.213	36.33	26.54	9.71	0.08	9.79	50.00	-13.67	Average

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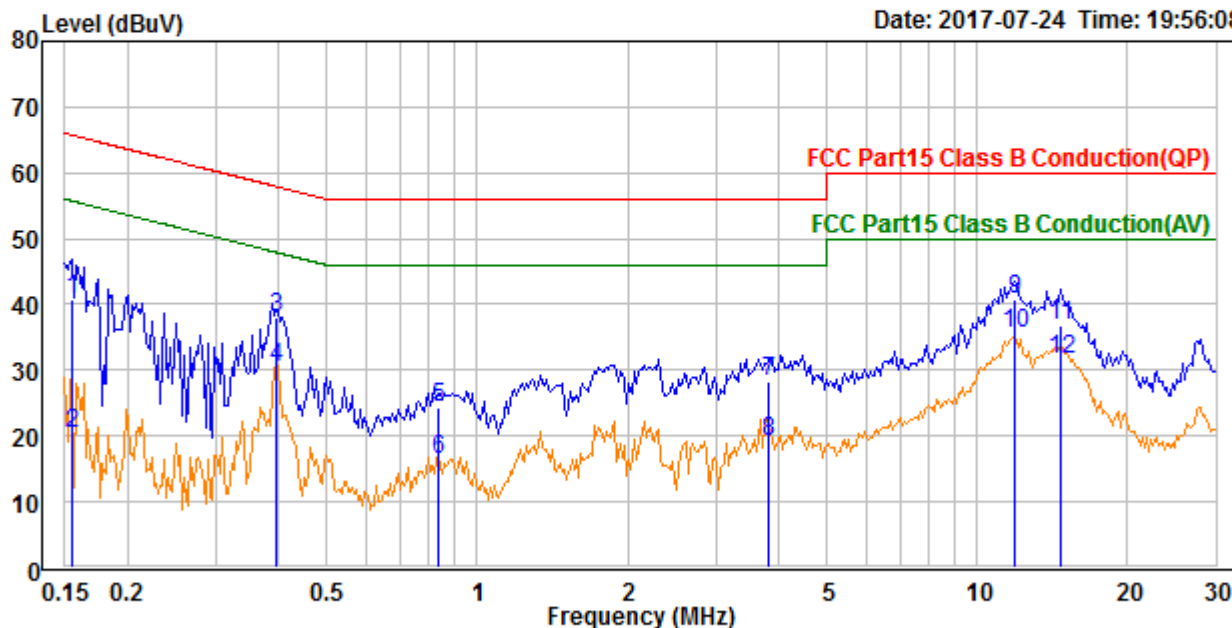
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Freeman Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 24(°C) / 32 %
Memo : (a)Normal link with VP6040

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.155	36.73	27.06	9.65	0.02	9.67	65.75	-29.02	QP
2	0.155	23.46	13.79	9.65	0.02	9.67	55.75	-32.29	Average
3	0.183	34.46	24.79	9.65	0.02	9.67	64.35	-29.89	QP
4	0.183	23.66	13.99	9.65	0.02	9.67	54.35	-30.69	Average
5	0.405	46.37	36.71	9.64	0.02	9.66	57.74	-11.37	QP
6	0.405	36.73	27.07	9.64	0.02	9.66	47.74	-11.01	Average
7	1.491	36.99	27.30	9.66	0.03	9.69	56.00	-19.01	QP
8	1.491	29.93	20.24	9.66	0.03	9.69	46.00	-16.07	Average
9	3.335	38.07	28.35	9.67	0.05	9.72	56.00	-17.93	QP
10	3.335	29.14	19.42	9.67	0.05	9.72	46.00	-16.86	Average
11	11.902	42.27	32.44	9.74	0.09	9.83	60.00	-17.73	QP
12	11.902	37.21	27.38	9.74	0.09	9.83	50.00	-12.79	Average

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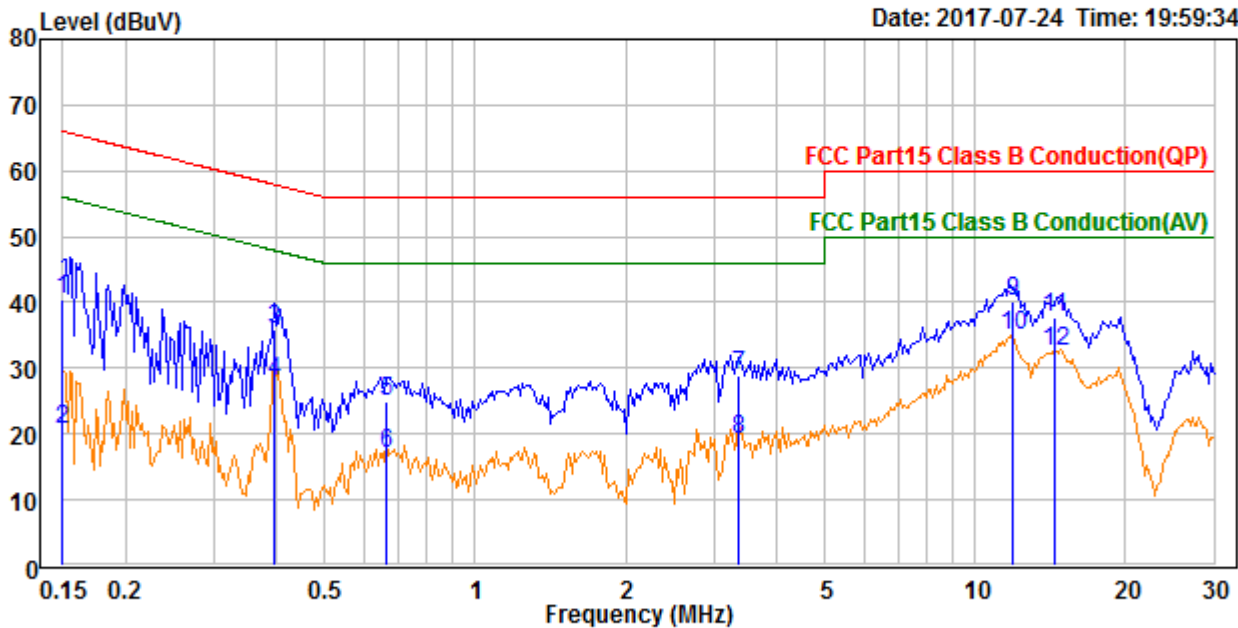
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (b)Normal link with VP6042

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.155	40.82	31.16	9.64	0.02	9.66	65.75	-24.93	QP
2	0.155	20.31	10.65	9.64	0.02	9.66	55.75	-35.44	Average
3	0.397	38.16	28.50	9.64	0.02	9.66	57.91	-19.75	QP
4	0.397	30.46	20.80	9.64	0.02	9.66	47.91	-17.45	Average
5	0.837	24.23	14.57	9.64	0.02	9.66	56.00	-31.77	QP
6	0.837	16.47	6.81	9.64	0.02	9.66	46.00	-29.53	Average
7	3.832	28.22	18.51	9.66	0.05	9.71	56.00	-27.78	QP
8	3.832	19.04	9.33	9.66	0.05	9.71	46.00	-26.96	Average
9	11.902	40.69	30.89	9.71	0.09	9.80	60.00	-19.31	QP
10	11.902	35.49	25.69	9.71	0.09	9.80	50.00	-14.51	Average
11	14.665	36.72	26.92	9.70	0.10	9.80	60.00	-23.28	QP
12	14.665	31.59	21.79	9.70	0.10	9.80	50.00	-18.41	Average

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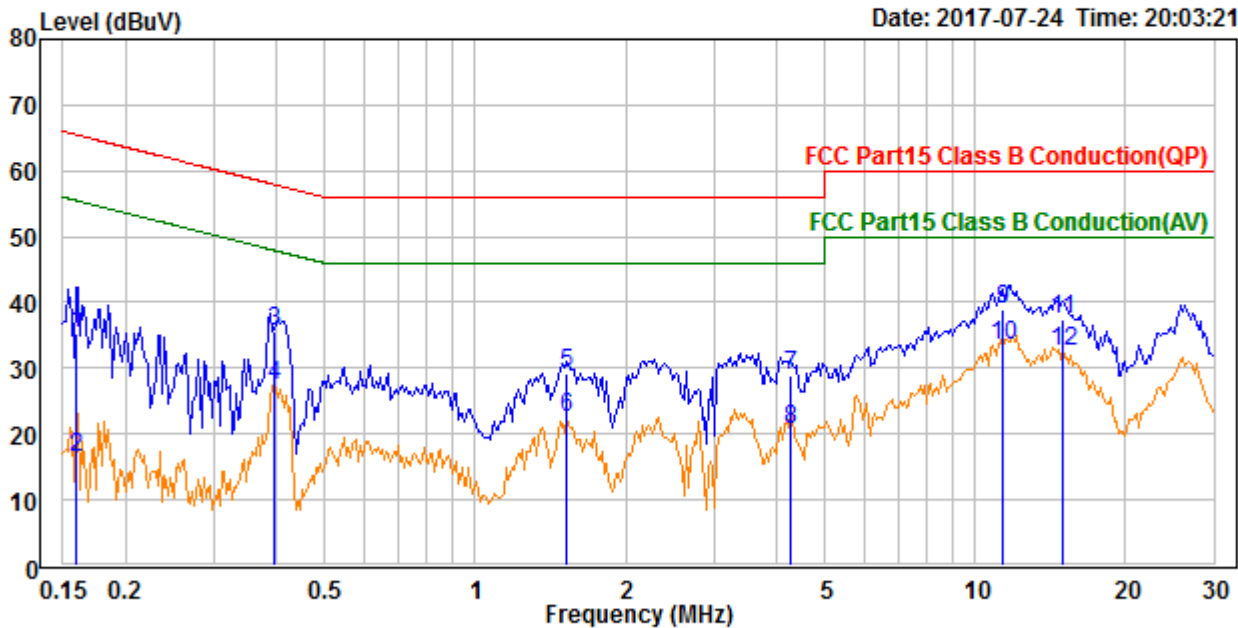
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (b)Normal link with VP6042

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.150	40.33	30.66	9.65	0.02	9.67	66.00	-25.67	QP
2	0.150	20.81	11.14	9.65	0.02	9.67	56.00	-35.19	Average
3	0.397	35.86	26.20	9.64	0.02	9.66	57.91	-22.05	QP
4	0.397	28.03	18.37	9.64	0.02	9.66	47.91	-19.88	Average
5	0.666	25.03	15.36	9.65	0.02	9.67	56.00	-30.97	QP
6	0.666	16.99	7.32	9.65	0.02	9.67	46.00	-29.01	Average
7	3.368	28.80	19.08	9.67	0.05	9.72	56.00	-27.20	QP
8	3.368	19.19	9.47	9.67	0.05	9.72	46.00	-26.81	Average
9	11.902	40.08	30.25	9.74	0.09	9.83	60.00	-19.92	QP
10	11.902	34.88	25.05	9.74	0.09	9.83	50.00	-15.12	Average
11	14.377	37.62	27.77	9.75	0.10	9.85	60.00	-22.38	QP
12	14.377	32.67	22.82	9.75	0.10	9.85	50.00	-17.33	Average

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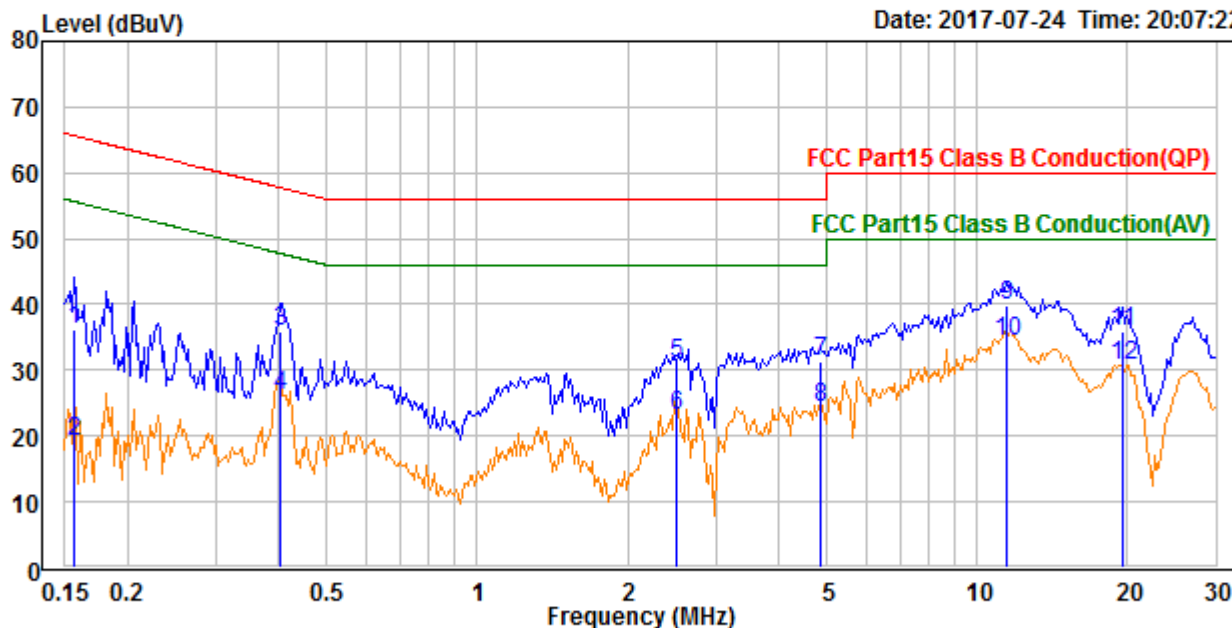
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (b)Normal link with VP6042

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.159	35.38	25.72	9.64	0.02	9.66	65.50	-30.12	QP
2	0.159	16.53	6.87	9.64	0.02	9.66	55.50	-38.97	Average
3	0.397	35.50	25.84	9.64	0.02	9.66	57.91	-22.41	QP
4	0.397	27.27	17.61	9.64	0.02	9.66	47.91	-20.64	Average
5	1.520	29.16	19.47	9.65	0.04	9.69	56.00	-26.84	QP
6	1.520	22.45	12.76	9.65	0.04	9.69	46.00	-23.55	Average
7	4.275	28.96	19.25	9.66	0.05	9.71	56.00	-27.04	QP
8	4.275	20.66	10.95	9.66	0.05	9.71	46.00	-25.34	Average
9	11.325	38.82	29.02	9.71	0.09	9.80	60.00	-21.18	QP
10	11.325	33.47	23.67	9.71	0.09	9.80	50.00	-16.53	Average
11	14.960	37.53	27.73	9.70	0.10	9.80	60.00	-22.47	QP
12	14.960	32.44	22.64	9.70	0.10	9.80	50.00	-17.56	Average

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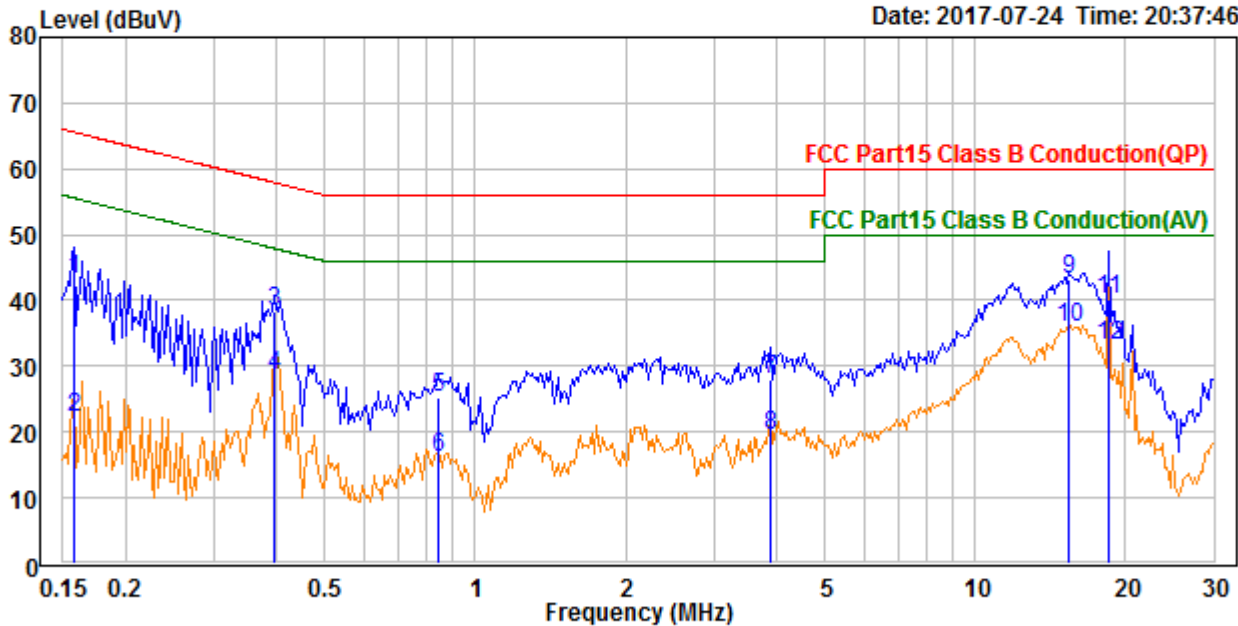
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (b)Normal link with VP6042

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.156	36.19	26.52	9.65	0.02	9.67	65.67	-29.48	QP
2	0.156	19.09	9.42	9.65	0.02	9.67	55.67	-36.58	Average
3	0.405	36.01	26.35	9.64	0.02	9.66	57.74	-21.73	QP
4	0.405	26.26	16.60	9.64	0.02	9.66	47.74	-21.48	Average
5	2.499	31.04	21.34	9.66	0.04	9.70	56.00	-24.96	QP
6	2.499	23.15	13.45	9.66	0.04	9.70	46.00	-22.85	Average
7	4.865	31.36	21.63	9.68	0.05	9.73	56.00	-24.64	QP
8	4.865	24.19	14.46	9.68	0.05	9.73	46.00	-21.81	Average
9	11.438	39.80	29.97	9.74	0.09	9.83	60.00	-20.20	QP
10	11.438	34.40	24.57	9.74	0.09	9.83	50.00	-15.60	Average
11	19.565	36.02	26.13	9.77	0.12	9.89	60.00	-23.98	QP
12	19.565	30.86	20.97	9.77	0.12	9.89	50.00	-19.14	Average

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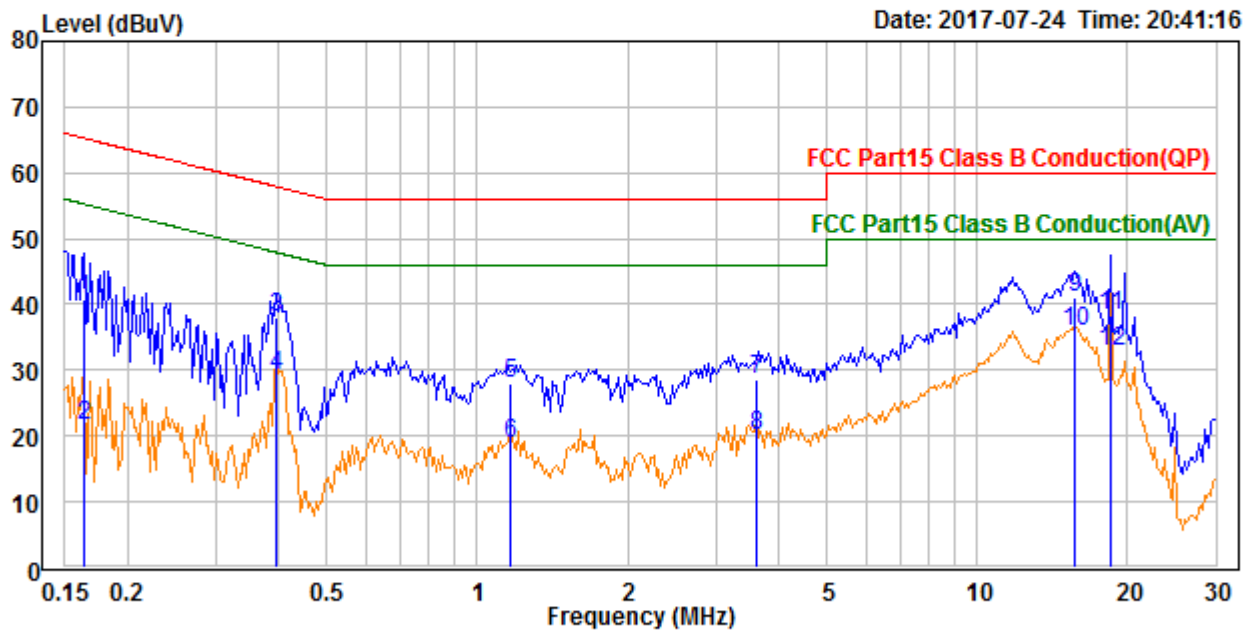


Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (c)Normal link with VP6050

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.158	43.22	33.56	9.64	0.02	9.66	65.59	-22.37	QP
2	0.158	22.31	12.65	9.64	0.02	9.66	55.59	-33.28	Average
3	0.397	38.39	28.73	9.64	0.02	9.66	57.91	-19.52	QP
4	0.397	28.56	18.90	9.64	0.02	9.66	47.91	-19.35	Average
5	0.846	25.26	15.60	9.64	0.02	9.66	56.00	-30.74	QP
6	0.846	16.14	6.48	9.64	0.02	9.66	46.00	-29.86	Average
7	3.909	28.02	18.31	9.66	0.05	9.71	56.00	-27.98	QP
8	3.909	19.55	9.84	9.66	0.05	9.71	46.00	-26.45	Average
9	15.413	43.09	33.29	9.70	0.10	9.80	60.00	-16.91	QP
10	15.413	35.92	26.12	9.70	0.10	9.80	50.00	-14.08	Average
11	18.432	40.19	30.38	9.70	0.11	9.81	60.00	-19.81	QP
12	18.432	33.16	23.35	9.70	0.11	9.81	50.00	-16.84	Average

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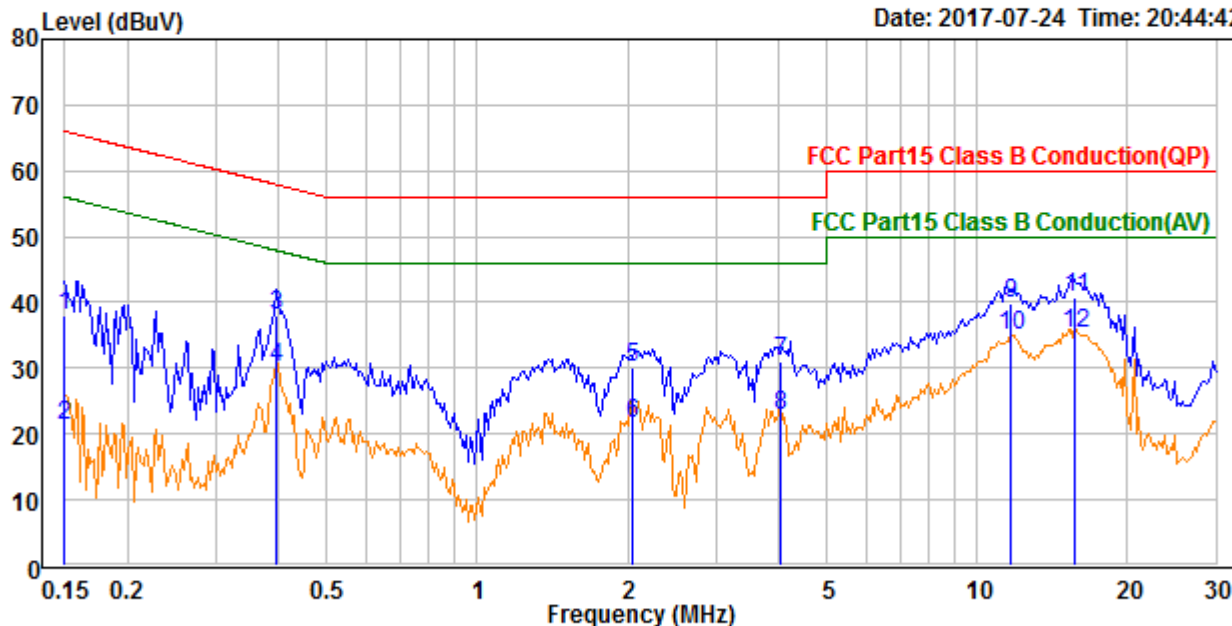
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (c)Normal link with VP6050

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.164	40.65	30.98	9.65	0.02	9.67	65.26	-24.61	QP
2	0.164	21.48	11.81	9.65	0.02	9.67	55.26	-33.78	Average
3	0.397	37.95	28.29	9.64	0.02	9.66	57.91	-19.96	QP
4	0.397	29.05	19.39	9.64	0.02	9.66	47.91	-18.86	Average
5	1.163	27.96	18.28	9.65	0.03	9.68	56.00	-28.04	QP
6	1.163	18.86	9.18	9.65	0.03	9.68	46.00	-27.14	Average
7	3.611	28.70	18.98	9.67	0.05	9.72	56.00	-27.30	QP
8	3.611	20.04	10.32	9.67	0.05	9.72	46.00	-25.96	Average
9	15.722	41.20	31.34	9.76	0.10	9.86	60.00	-18.80	QP
10	15.722	36.04	26.18	9.76	0.10	9.86	50.00	-13.96	Average
11	18.432	38.37	28.49	9.77	0.11	9.88	60.00	-21.63	QP
12	18.432	32.77	22.89	9.77	0.11	9.88	50.00	-17.23	Average

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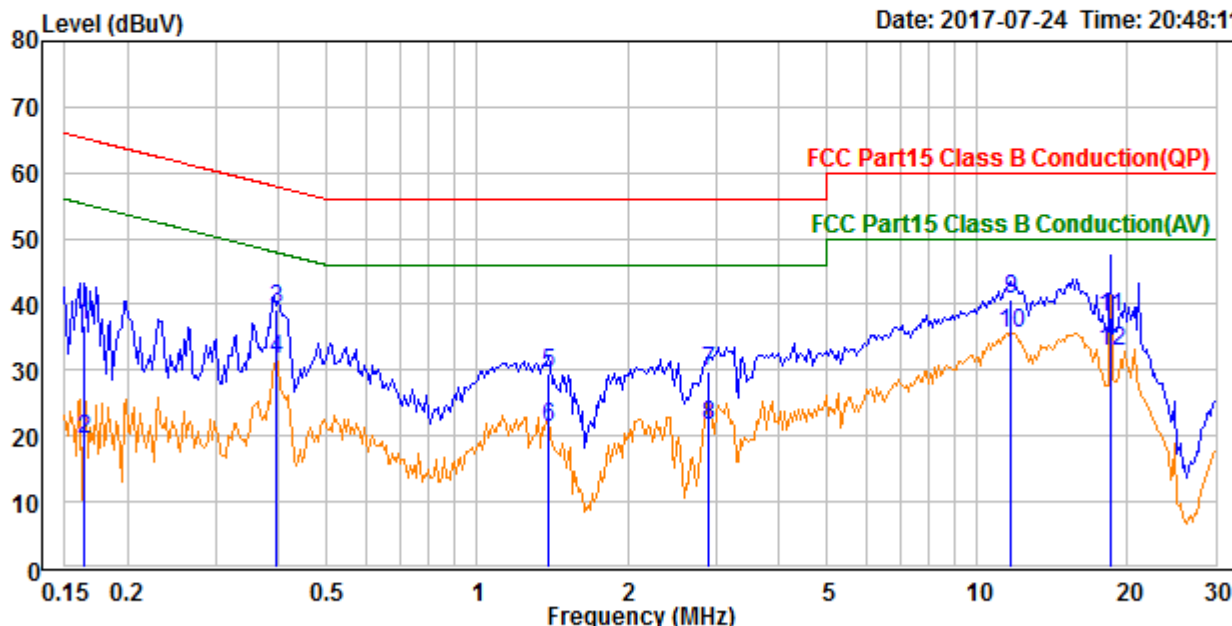
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (c)Normal link with VP6050

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.150	38.04	28.38	9.64	0.02	9.66	66.00	-27.96	QP
2	0.150	21.37	11.71	9.64	0.02	9.66	56.00	-34.63	Average
3	0.397	38.09	28.43	9.64	0.02	9.66	57.91	-19.82	QP
4	0.397	30.25	20.59	9.64	0.02	9.66	47.91	-17.66	Average
5	2.049	30.23	20.54	9.65	0.04	9.69	56.00	-25.77	QP
6	2.049	21.48	11.79	9.65	0.04	9.69	46.00	-24.52	Average
7	4.028	31.08	21.37	9.66	0.05	9.71	56.00	-24.92	QP
8	4.028	22.68	12.97	9.66	0.05	9.71	46.00	-23.32	Average
9	11.668	39.95	30.15	9.71	0.09	9.80	60.00	-20.05	QP
10	11.668	34.85	25.05	9.71	0.09	9.80	50.00	-15.15	Average
11	15.722	40.69	30.89	9.70	0.10	9.80	60.00	-19.31	QP
12	15.722	35.39	25.59	9.70	0.10	9.80	50.00	-14.61	Average

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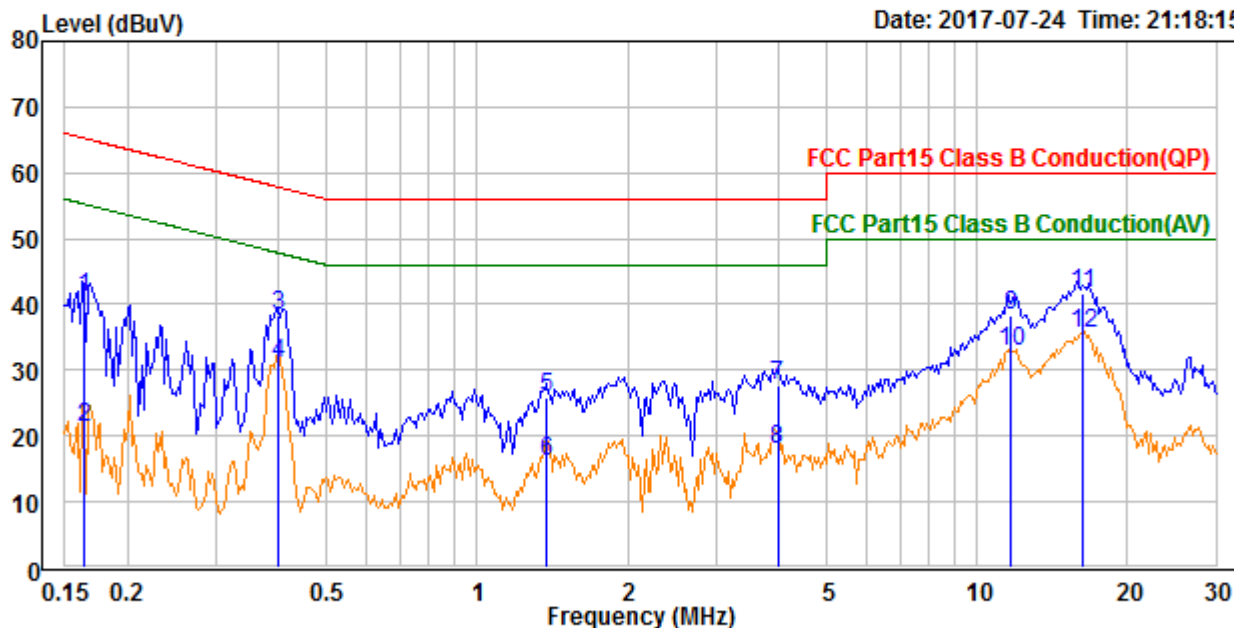
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (c)Normal link with VP6050

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.164	36.67	27.00	9.65	0.02	9.67	65.26	-28.59	QP
2	0.164	19.50	9.83	9.65	0.02	9.67	55.26	-35.76	Average
3	0.397	39.28	29.62	9.64	0.02	9.66	57.91	-18.63	QP
4	0.397	31.48	21.82	9.64	0.02	9.66	47.91	-16.43	Average
5	1.390	29.48	19.80	9.65	0.03	9.68	56.00	-26.52	QP
6	1.390	21.42	11.74	9.65	0.03	9.68	46.00	-24.58	Average
7	2.901	29.93	20.22	9.67	0.04	9.71	56.00	-26.07	QP
8	2.901	21.69	11.98	9.67	0.04	9.71	46.00	-24.31	Average
9	11.668	40.77	30.94	9.74	0.09	9.83	60.00	-19.23	QP
10	11.668	35.63	25.80	9.74	0.09	9.83	50.00	-14.37	Average
11	18.432	38.10	28.22	9.77	0.11	9.88	60.00	-21.90	QP
12	18.432	32.73	22.85	9.77	0.11	9.88	50.00	-17.27	Average

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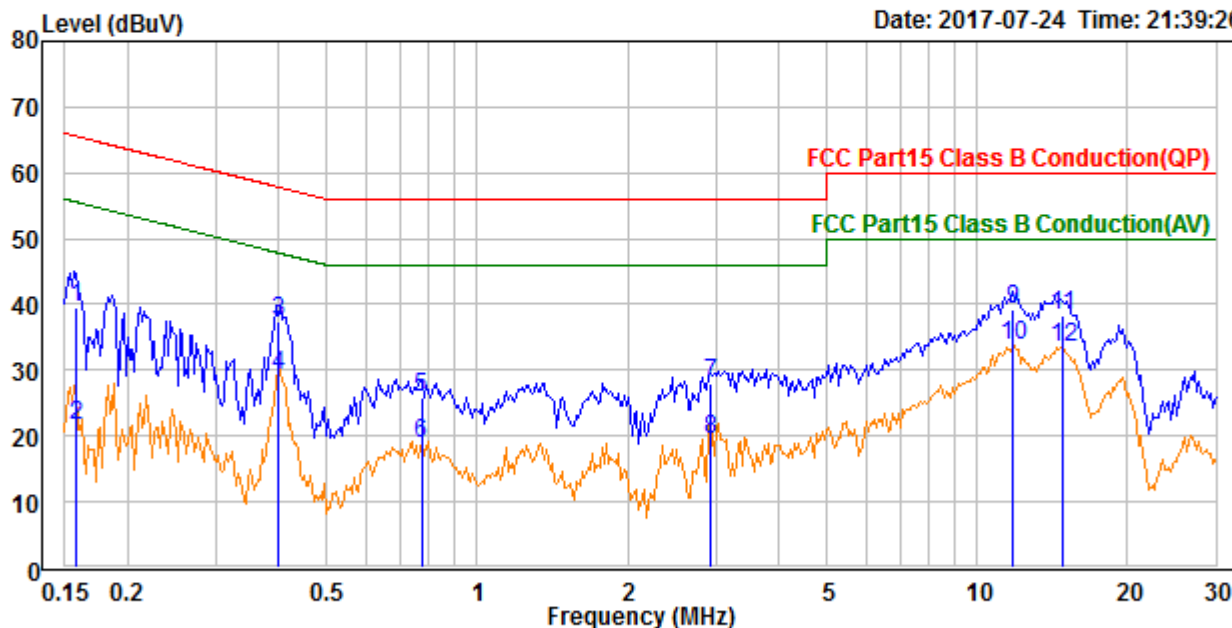
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (d)Standby mode

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.164	41.16	31.50	9.64	0.02	9.66	65.26	-24.10	QP
2	0.164	21.25	11.59	9.64	0.02	9.66	55.26	-34.01	Average
3	0.401	38.42	28.76	9.64	0.02	9.66	57.83	-19.41	QP
4	0.401	30.94	21.28	9.64	0.02	9.66	47.83	-16.89	Average
5	1.377	25.72	16.05	9.64	0.03	9.67	56.00	-30.28	QP
6	1.377	16.24	6.57	9.64	0.03	9.67	46.00	-29.76	Average
7	3.988	27.69	17.98	9.66	0.05	9.71	56.00	-28.31	QP
8	3.988	18.03	8.32	9.66	0.05	9.71	46.00	-27.97	Average
9	11.668	38.19	28.39	9.71	0.09	9.80	60.00	-21.81	QP
10	11.668	32.90	23.10	9.71	0.09	9.80	50.00	-17.10	Average
11	16.198	41.71	31.91	9.70	0.10	9.80	60.00	-18.29	QP
12	16.198	35.58	25.78	9.70	0.10	9.80	50.00	-14.42	Average

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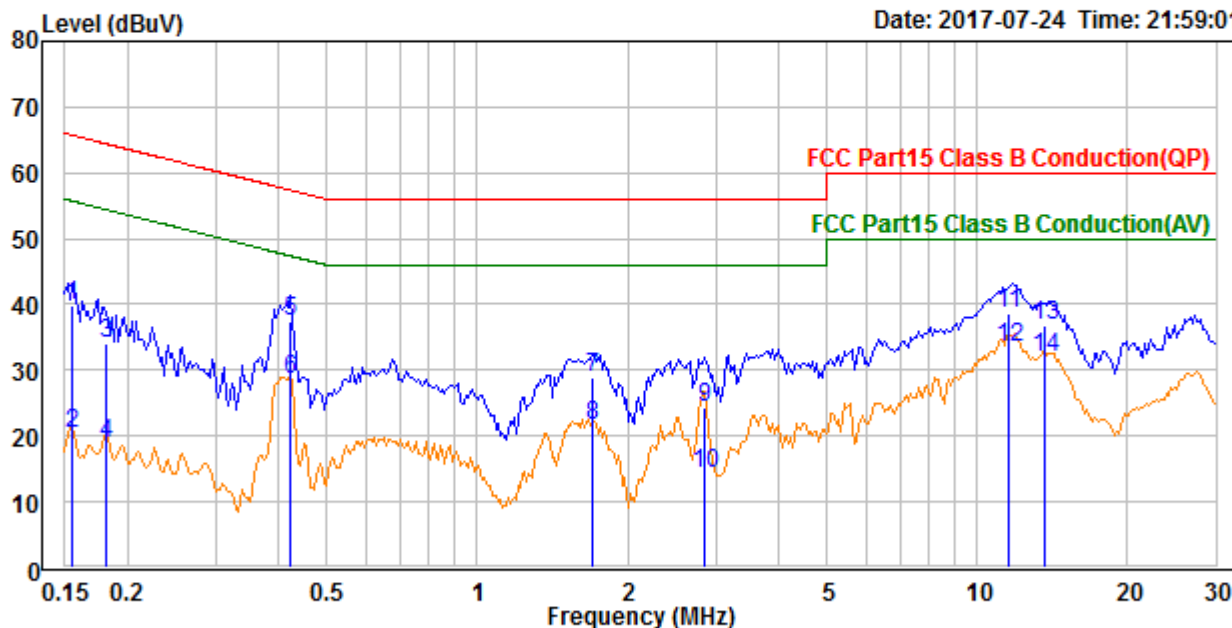
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (d)Standby mode

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.158	39.47	29.80	9.65	0.02	9.67	65.59	-26.12	QP
2	0.158	21.71	12.04	9.65	0.02	9.67	55.59	-33.88	Average
3	0.401	37.51	27.85	9.64	0.02	9.66	57.83	-20.32	QP
4	0.401	29.25	19.59	9.64	0.02	9.66	47.83	-18.58	Average
5	0.773	25.84	16.17	9.65	0.02	9.67	56.00	-30.16	QP
6	0.773	18.85	9.18	9.65	0.02	9.67	46.00	-27.15	Average
7	2.930	27.90	18.19	9.67	0.04	9.71	56.00	-28.10	QP
8	2.930	19.52	9.81	9.67	0.04	9.71	46.00	-26.48	Average
9	11.785	39.16	29.33	9.74	0.09	9.83	60.00	-20.84	QP
10	11.785	33.76	23.93	9.74	0.09	9.83	50.00	-16.24	Average
11	14.812	38.33	28.48	9.75	0.10	9.85	60.00	-21.67	QP
12	14.812	33.31	23.46	9.75	0.10	9.85	50.00	-16.69	Average

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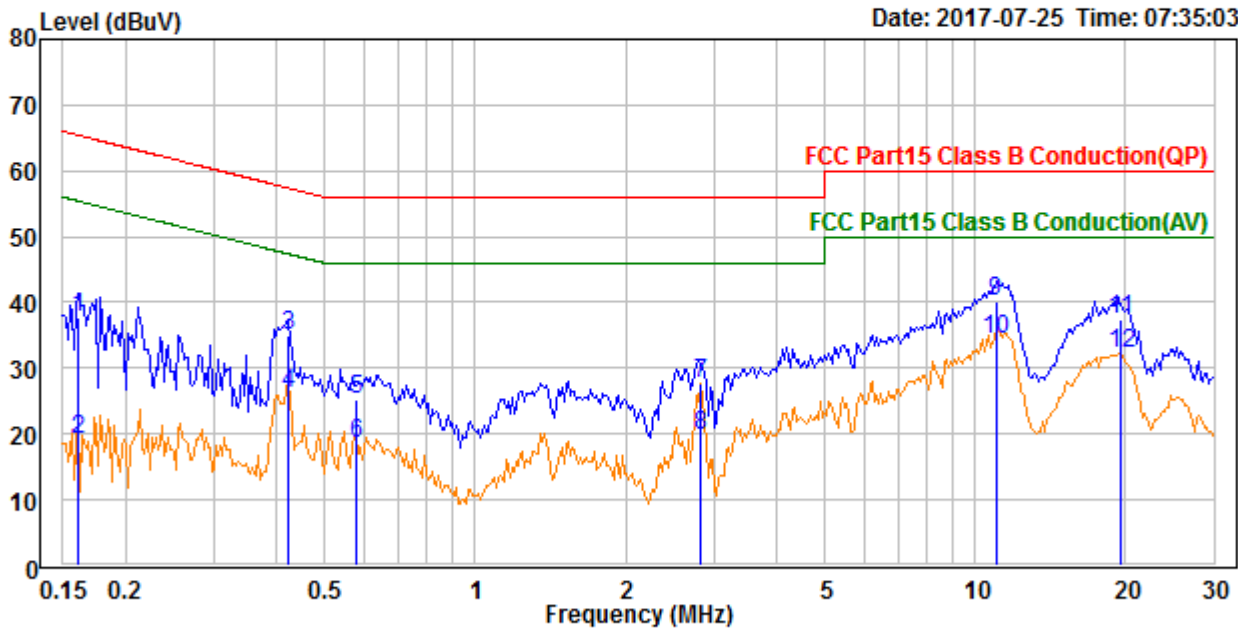
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (d)Standby mode

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.155	39.70	30.04	9.64	0.02	9.66	65.75	-26.05	QP
2	0.155	20.44	10.78	9.64	0.02	9.66	55.75	-35.31	Average
3	0.181	34.00	24.34	9.64	0.02	9.66	64.43	-30.43	QP
4	0.181	18.80	9.14	9.64	0.02	9.66	54.43	-35.63	Average
5	0.422	37.37	27.71	9.64	0.02	9.66	57.41	-20.04	QP
6	0.422	28.73	19.07	9.64	0.02	9.66	47.41	-18.68	Average
7	1.696	28.83	19.14	9.65	0.04	9.69	56.00	-27.17	QP
8	1.696	21.48	11.79	9.65	0.04	9.69	46.00	-24.52	Average
9	2.844	24.38	14.68	9.66	0.04	9.70	56.00	-31.62	QP
10	2.844	14.38	4.68	9.66	0.04	9.70	46.00	-31.62	Average
11	11.553	38.55	28.75	9.71	0.09	9.80	60.00	-21.45	QP
12	11.553	33.40	23.60	9.71	0.09	9.80	50.00	-16.60	Average
13	13.679	36.88	27.08	9.71	0.09	9.80	60.00	-23.12	QP
14	13.679	32.00	22.20	9.71	0.09	9.80	50.00	-18.00	Average

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Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Nedap
Product : HDP/FDP operation on 134.2kHz
Model No. : VP1801
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.8 °C / 37 %
Memo : (d)Standby mode

	Freq	Level	Read Level	LISN Factor	Cable Loss	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dB	dBuV	dB	
1	0.161	37.80	28.13	9.65	0.02	9.67	65.42	-27.62	QP
2	0.161	19.13	9.46	9.65	0.02	9.67	55.42	-36.29	Average
3	0.422	34.85	25.19	9.64	0.02	9.66	57.41	-22.56	QP
4	0.422	26.23	16.57	9.64	0.02	9.66	47.41	-21.18	Average
5	0.580	25.32	15.66	9.64	0.02	9.66	56.00	-30.68	QP
6	0.580	18.55	8.89	9.64	0.02	9.66	46.00	-27.45	Average
7	2.816	27.63	17.93	9.66	0.04	9.70	56.00	-28.37	QP
8	2.816	19.71	10.01	9.66	0.04	9.70	46.00	-26.29	Average
9	10.992	40.09	30.27	9.74	0.08	9.82	60.00	-19.91	QP
10	10.992	34.48	24.66	9.74	0.08	9.82	50.00	-15.52	Average
11	19.565	37.45	27.56	9.77	0.12	9.89	60.00	-22.55	QP
12	19.565	32.25	22.36	9.77	0.12	9.89	50.00	-17.75	Average