

Test Report No.50271748 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50271748 001 AppendixD)

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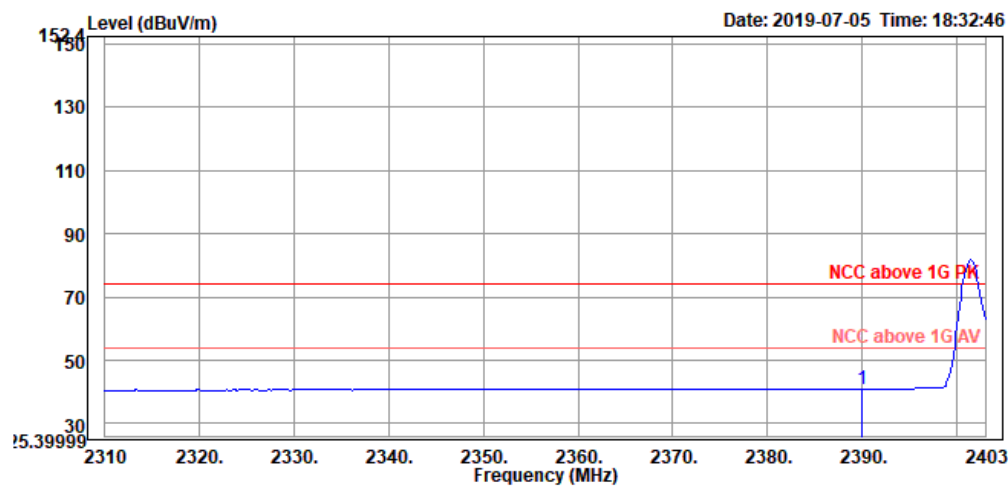
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Radiated Bandedge (GFSK)

Low Channel (Hor)

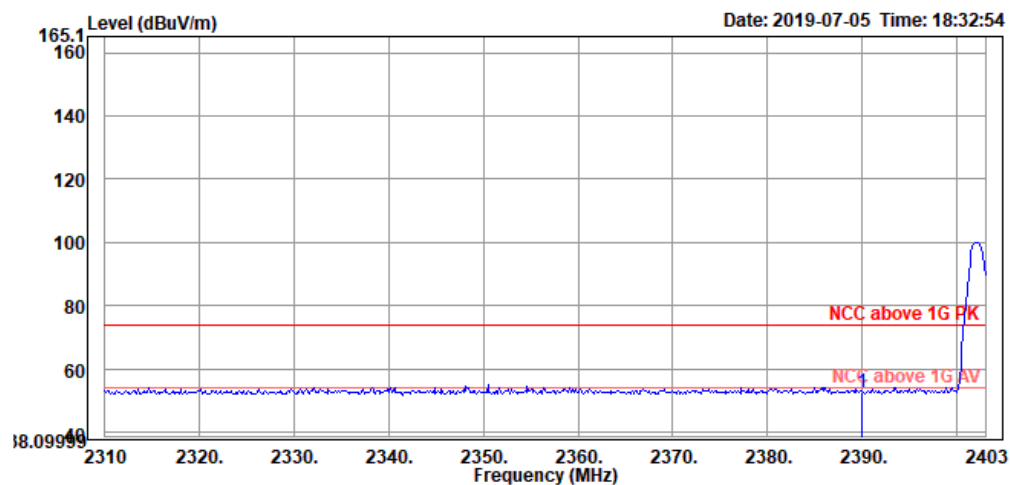


TUV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Limit Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	40.95	49.21	-8.26	54.00	-13.05	100	221	Average	



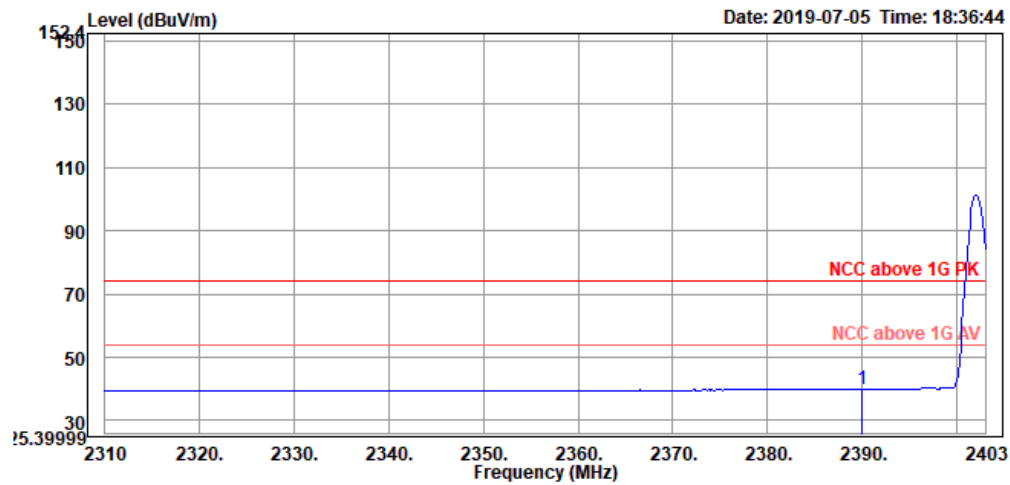
Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Limit Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	52.42	60.68	-8.26	74.00	-21.58	100	221	Peak	

Low Channel (Ver)

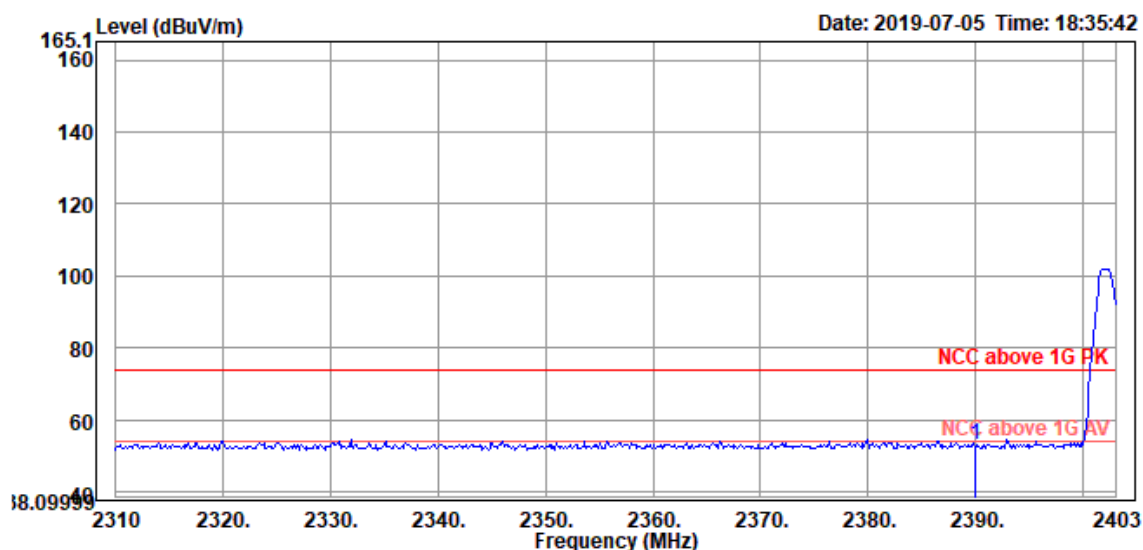


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Tel:+886-2172-7000 Fax:+886-2528-0018



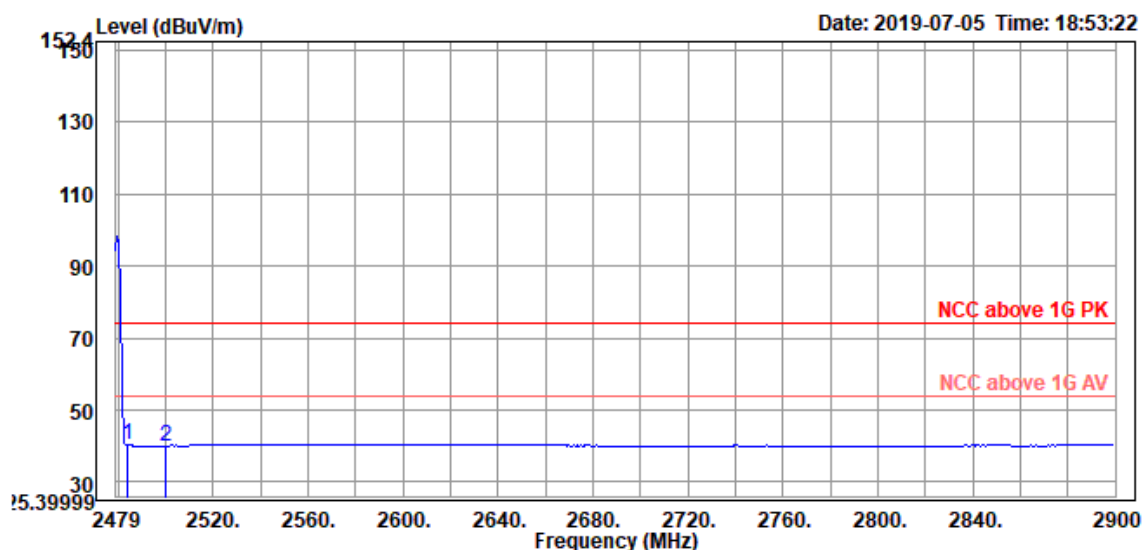
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2390.000	39.76	48.02	-8.26	54.00	-14.24	100	207	Average



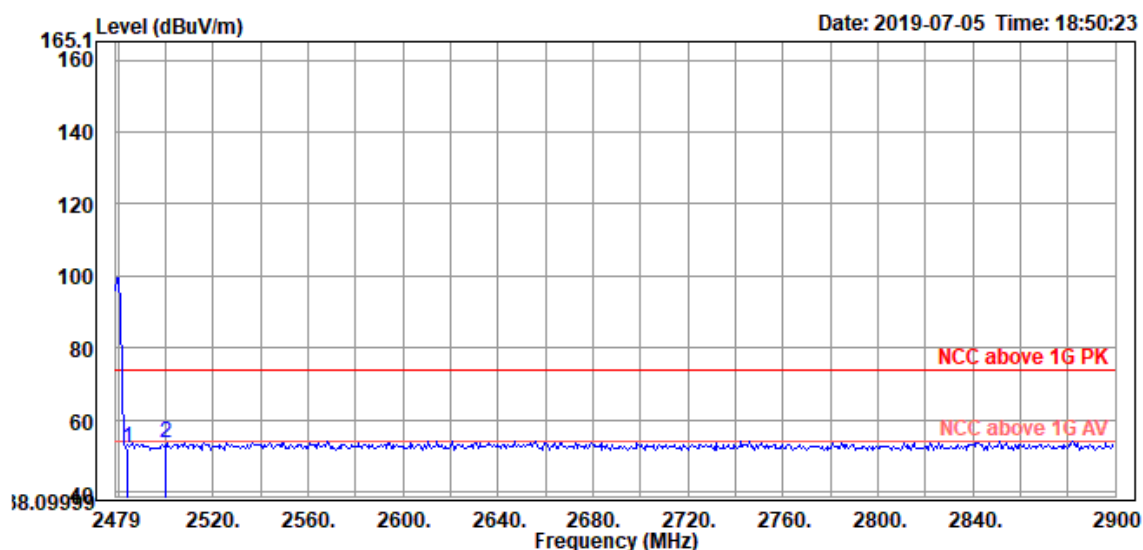
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	52.99	61.25	-8.26	74.00	-21.01	100	207	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	40.26	48.37	-8.11	54.00	-13.74	100	176	Average	
2	2500.000	40.06	48.21	-8.15	54.00	-13.94	100	176	Average	



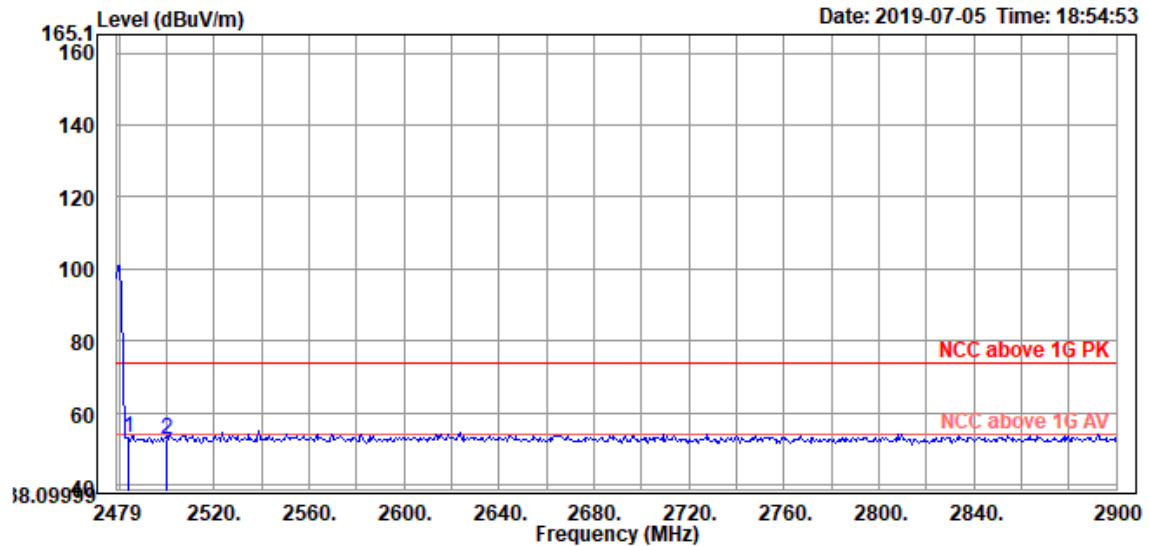
Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	52.24	60.35	-8.11	74.00	-21.76	100	176	Peak	
2	2500.000	53.45	61.60	-8.15	74.00	-20.55	100	176	Peak	

High Channel (Ver)

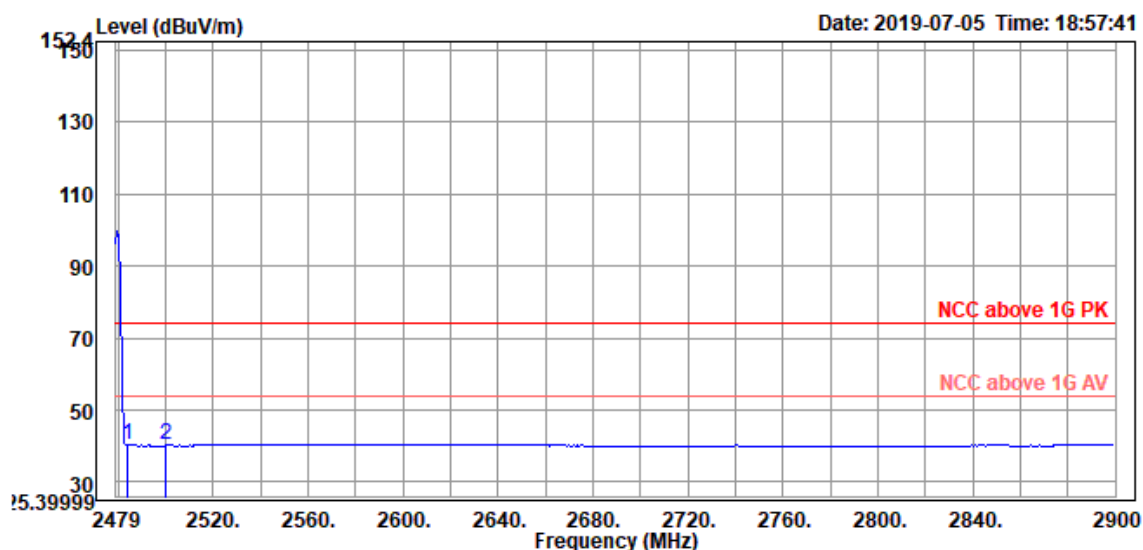


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Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	53.30	61.41	-8.11	74.00	-20.70	100	211	Peak	
2	2500.000	52.81	60.96	-8.15	74.00	-21.19	100	211	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

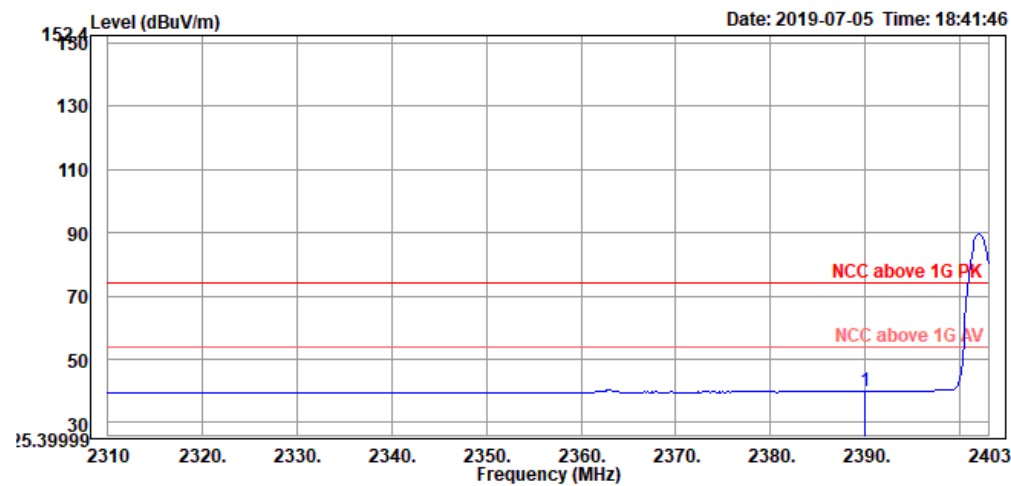
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	40.28	48.39	-8.11	54.00	-13.72	100	211	Average	
2	2500.000	40.18	48.33	-8.15	54.00	-13.82	100	211	Average	

Radiated Bandedge (8DPSK)

Low Channel (Hor)

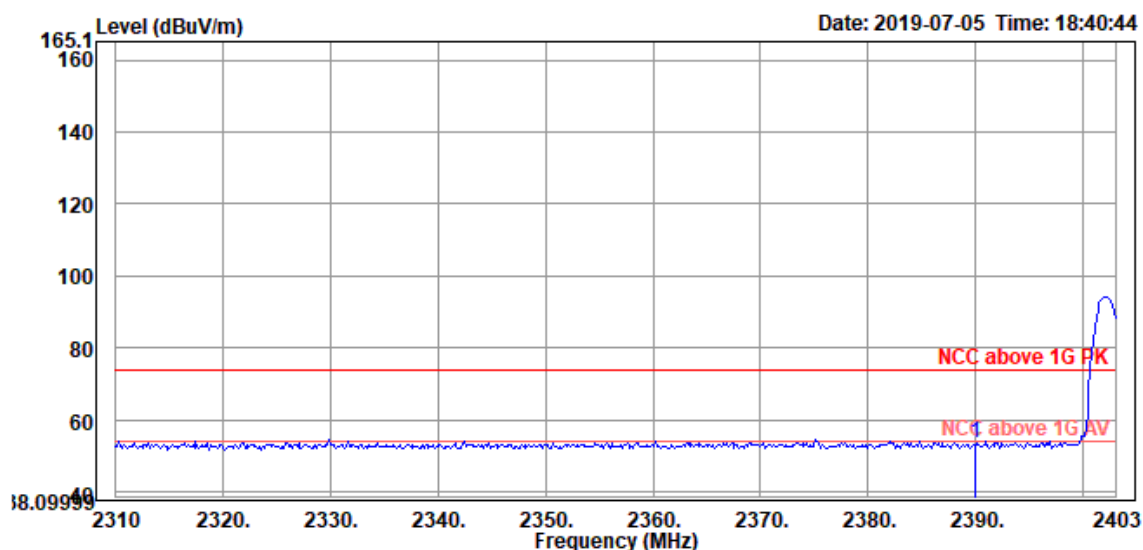


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11F., No.758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	39.84	48.10	-8.26	54.00	-14.16	100	172	Average	



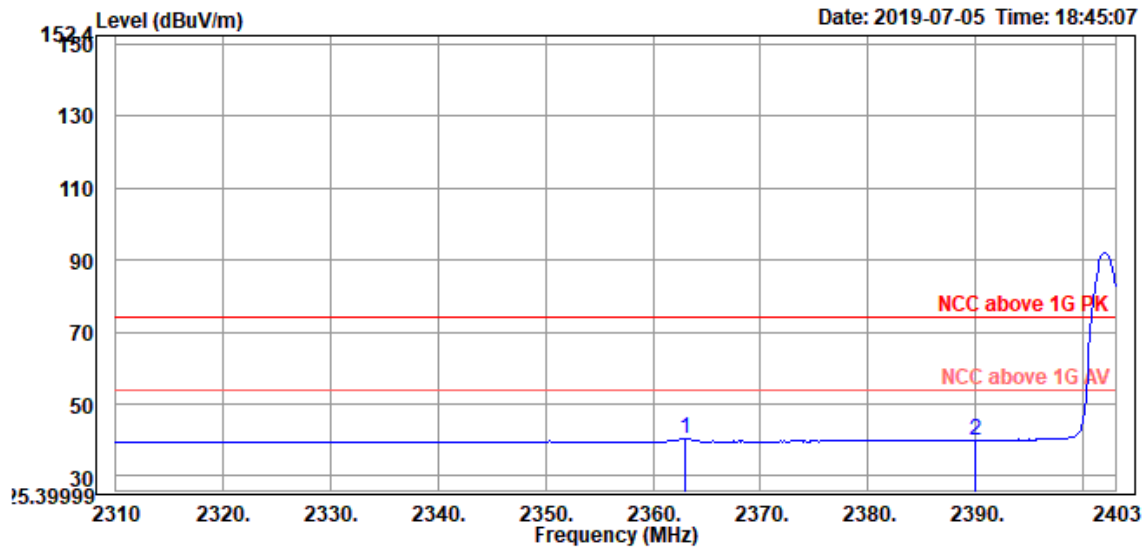
Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.34	61.60	-8.26	74.00	-20.66	100	172	Peak	

Low Channel (Ver)

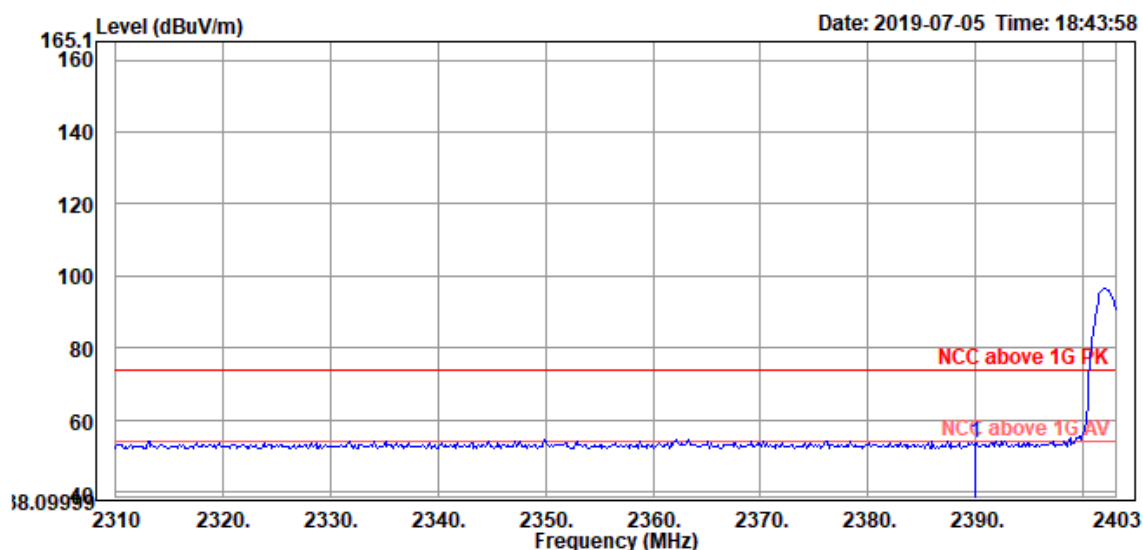


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Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2362.969	40.61	48.98	-8.37	54.00	-13.39	100	215	Average	
2	2390.000	39.89	48.15	-8.26	54.00	-14.11	100	215	Average	



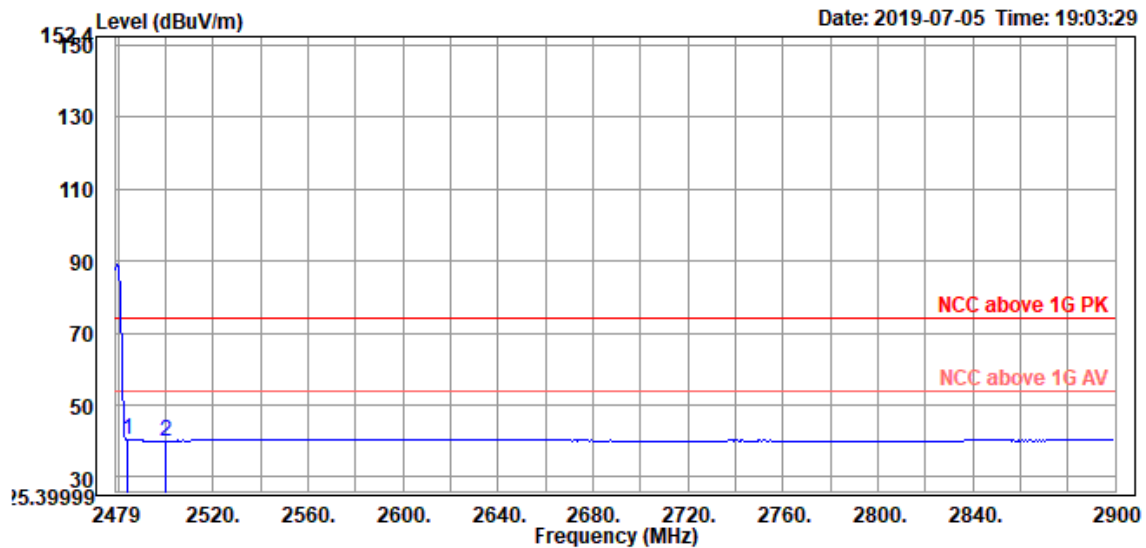
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.63	61.89	-8.26	74.00	-20.37	100	215	Peak	

High Channel (Hor)

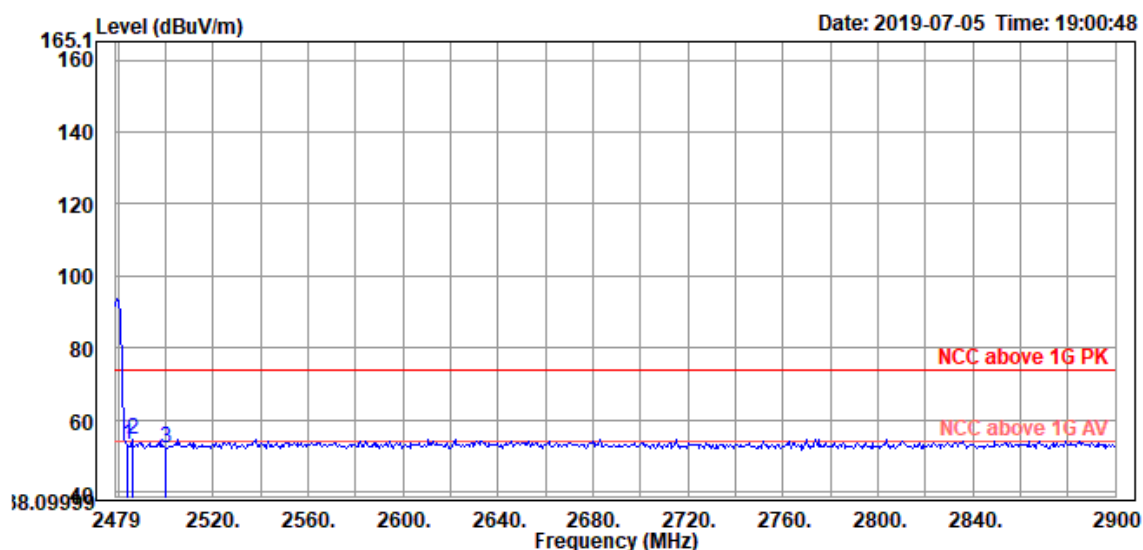


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Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	40.30	48.41	-8.11	54.00	-13.70	100	165	Average	
2	2500.000	40.10	48.25	-8.15	54.00	-13.90	100	165	Average	



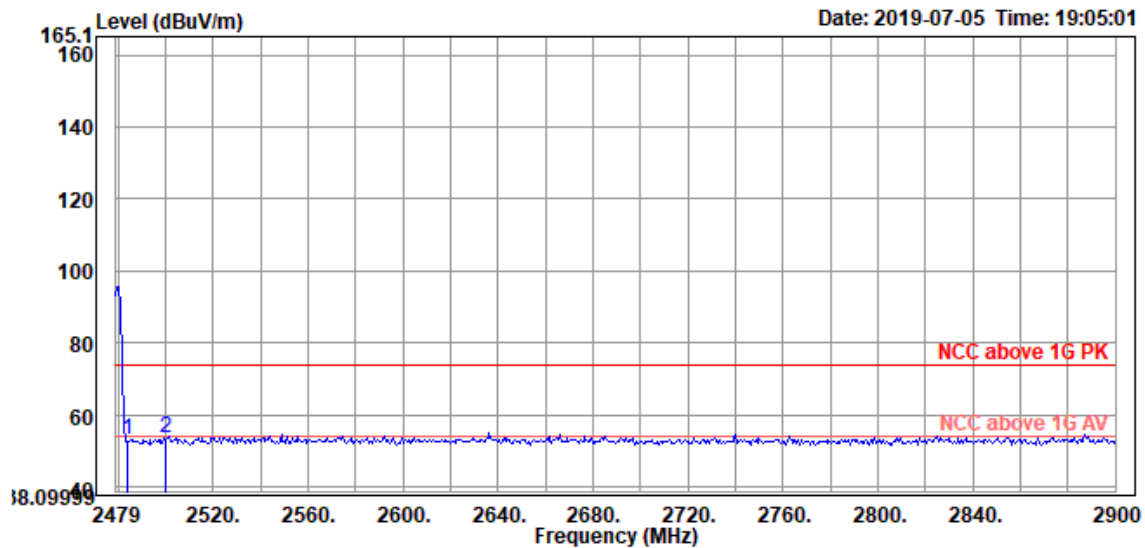
Site : 966A Chamber A
Condition : NCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	52.85	60.96	-8.11	74.00	-21.15	100	165	Peak	
2	2485.712	54.68	62.79	-8.11	74.00	-19.32	100	165	Peak	
3	2500.000	52.24	60.39	-8.15	74.00	-21.76	100	165	Peak	

High Channel (Ver)

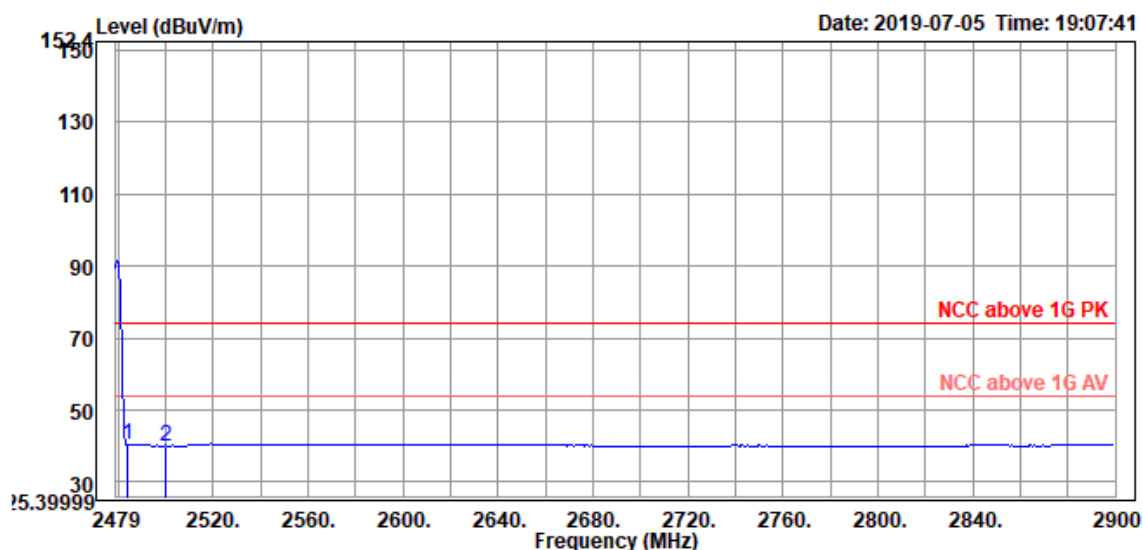


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Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	52.94	61.05	-8.11	74.00	-21.06	100	210	Peak	
2	2500.000	53.60	61.75	-8.15	74.00	-20.40	100	210	Peak	



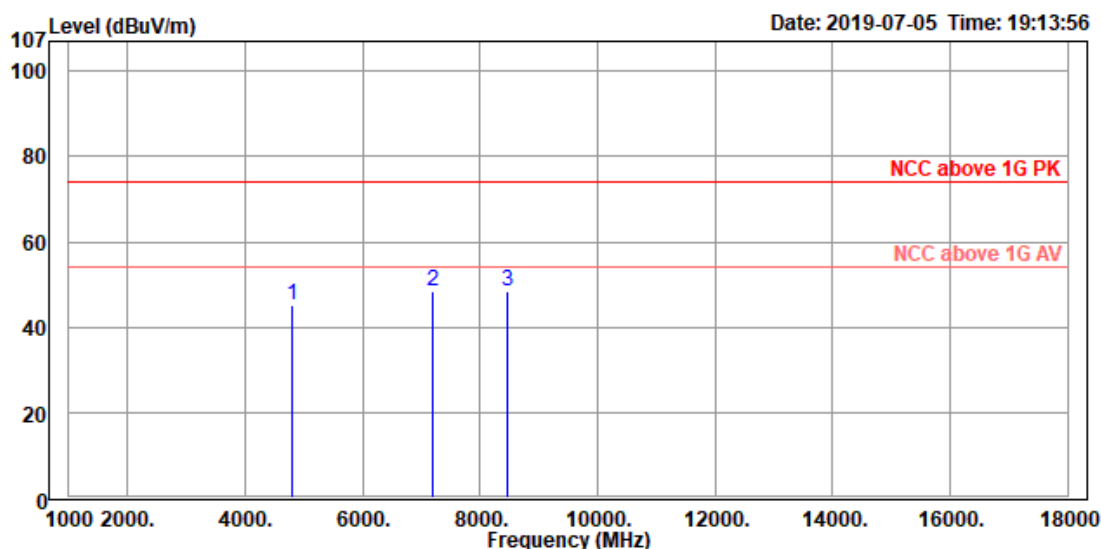
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	40.46	48.57	-8.11	54.00	-13.54	100	210	Average	
2	2500.000	40.12	48.27	-8.15	54.00	-13.88	100	210	Average	

Spurious Emissions, TX Mode, 1-18G

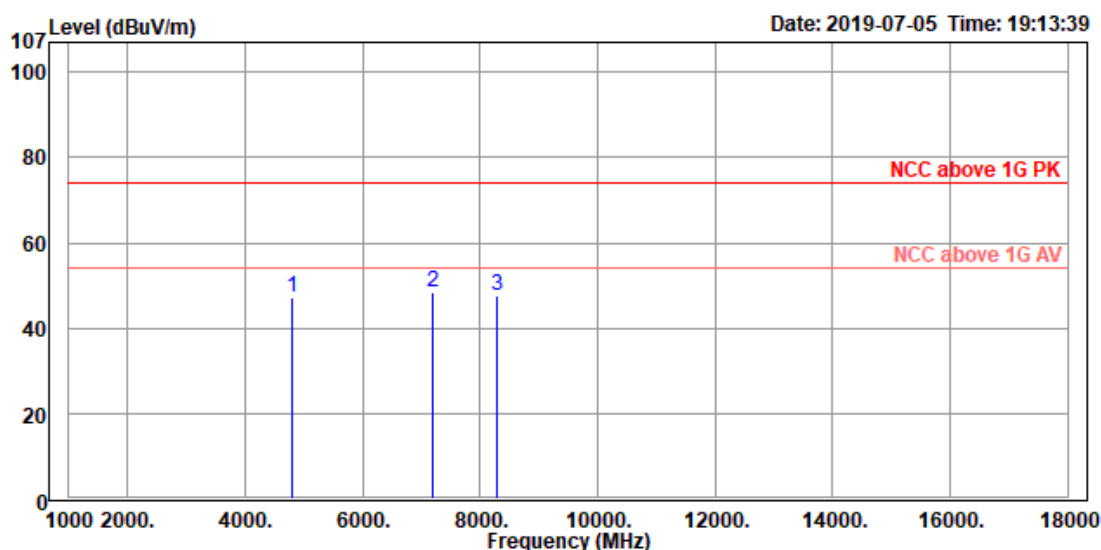


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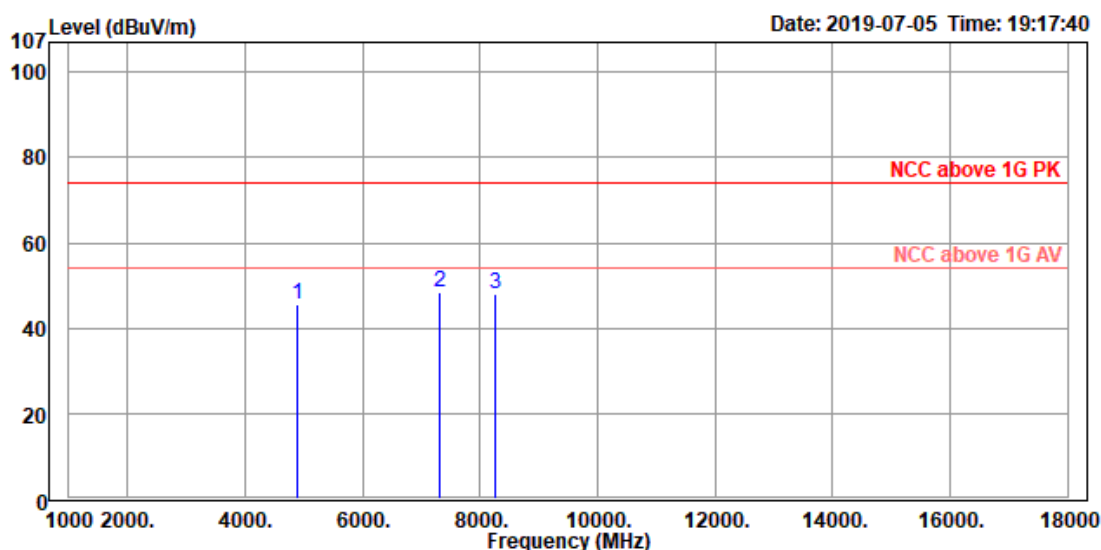
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	45.00	47.44	-2.44	74.00	-29.00	100	321	Peak	
2	7206.000	48.42	42.95	5.47	74.00	-25.58	100	258	Peak	
3	8465.218	48.33	41.74	6.59	74.00	-25.67	100	73	Peak	



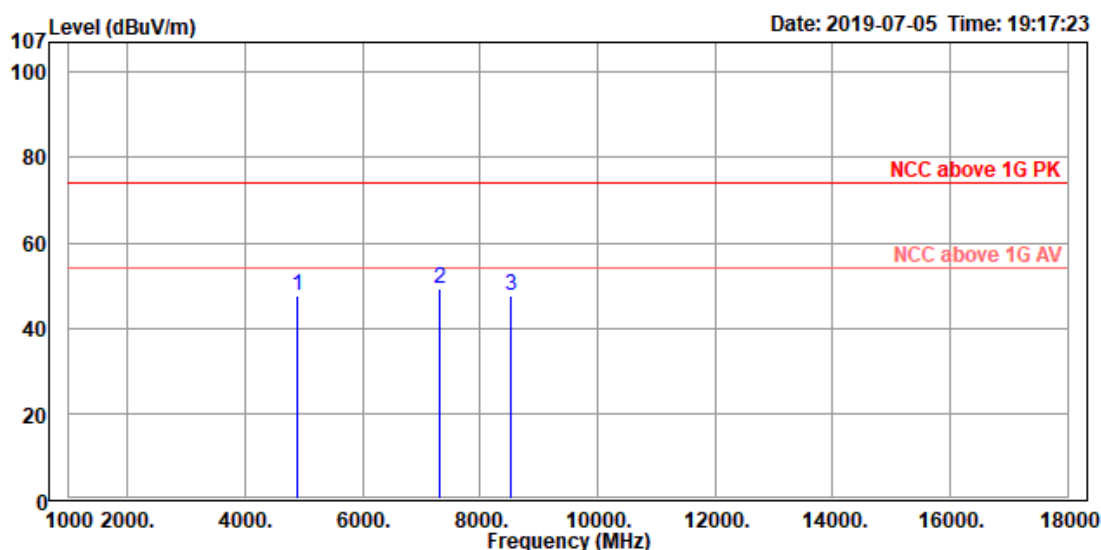
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	47.38	49.82	-2.44	74.00	-26.62	100	297	Peak	
2	7206.000	48.22	42.75	5.47	74.00	-25.78	100	50	Peak	
3	8292.754	47.67	41.26	6.41	74.00	-26.33	100	86	Peak	



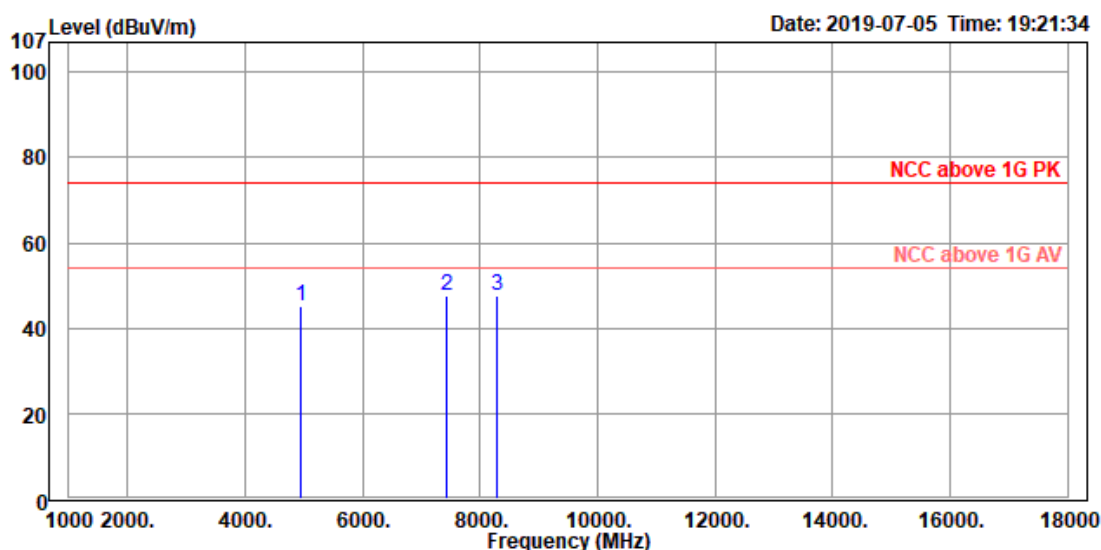
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4882.000	45.62	47.90	-2.28	74.00	-28.38	100	6	Peak	
2	7323.000	48.56	42.85	5.71	74.00	-25.44	100	277	Peak	
3	8268.116	47.84	41.46	6.38	74.00	-26.16	100	221	Peak	



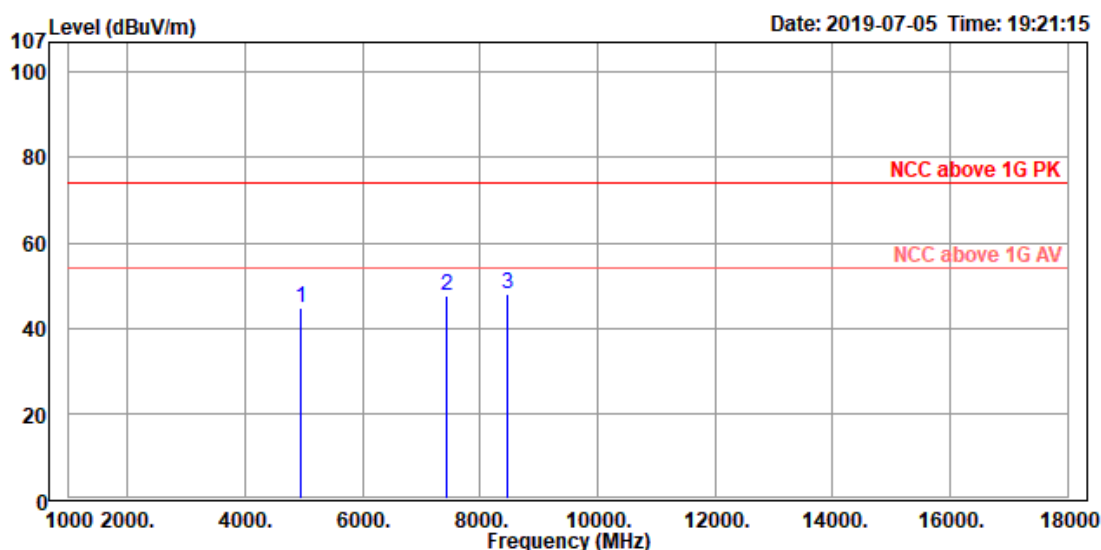
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4882.000	47.42	49.70	-2.28	74.00	-26.58	100	42	Peak	
2	7323.000	49.32	43.61	5.71	74.00	-24.68	100	143	Peak	
3	8514.493	47.52	40.85	6.67	74.00	-26.48	100	254	Peak	



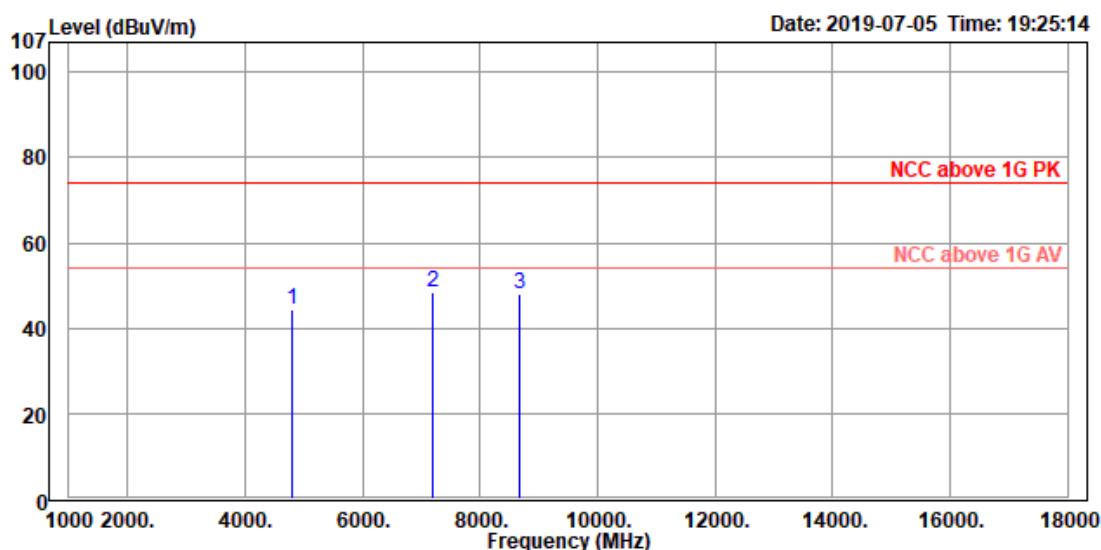
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	45.32	47.31	-1.99	74.00	-28.68	100	99	Peak	
2	7440.000	47.76	41.72	6.04	74.00	-26.24	100	312	Peak	
3	8292.754	47.72	41.31	6.41	74.00	-26.28	100	329	Peak	



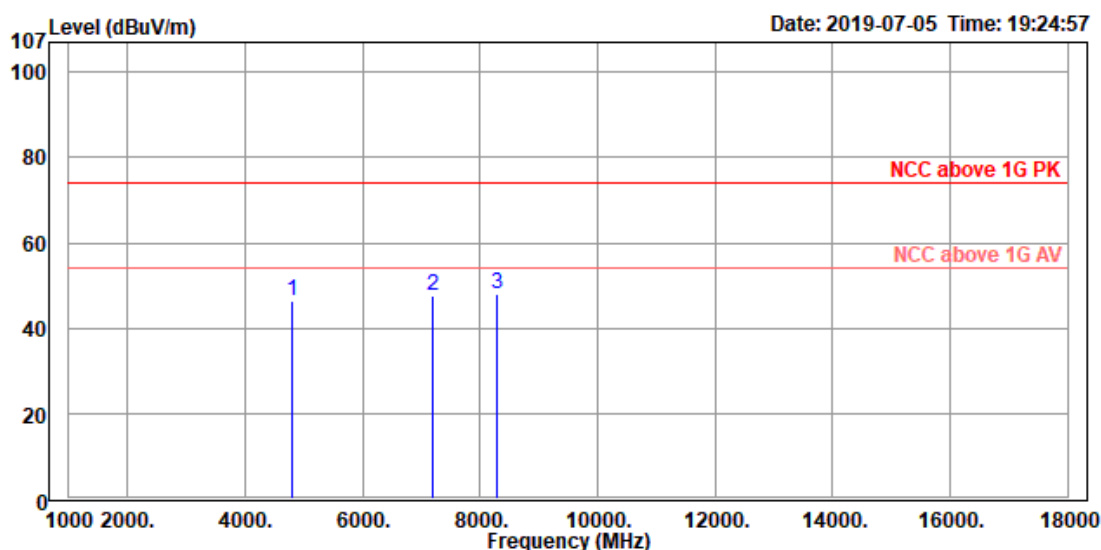
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.69	46.68	-1.99	74.00	-29.31	100	3	Peak	
2	7440.000	47.57	41.53	6.04	74.00	-26.43	100	130	Peak	
3	8465.218	47.95	41.36	6.59	74.00	-26.05	100	119	Peak	



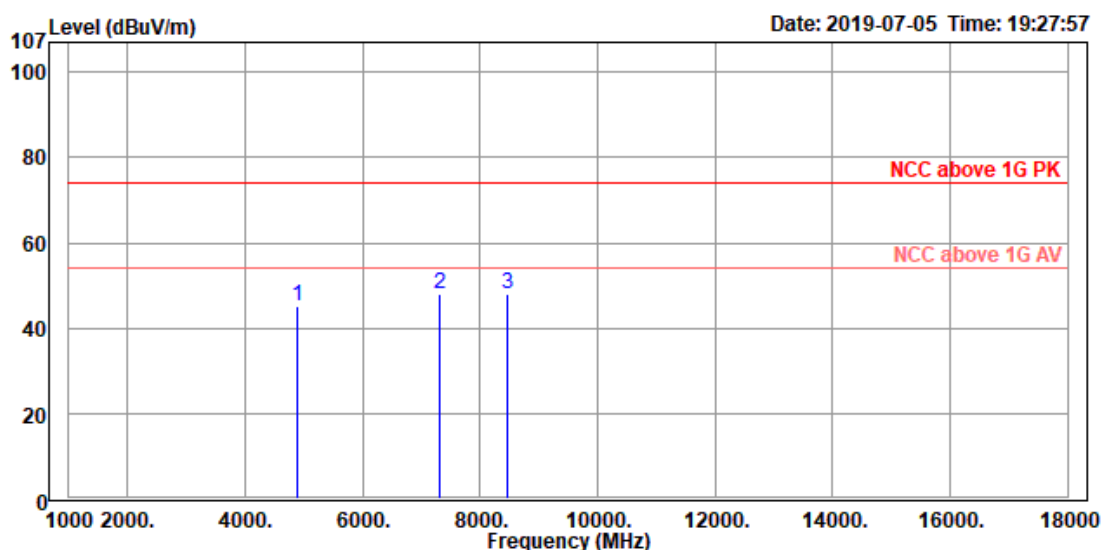
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	44.47	46.91	-2.44	74.00	-29.53	100	89	Peak	
2	7206.000	48.30	42.83	5.47	74.00	-25.70	100	238	Peak	
3	8686.956	48.09	41.38	6.71	74.00	-25.91	100	19	Peak	



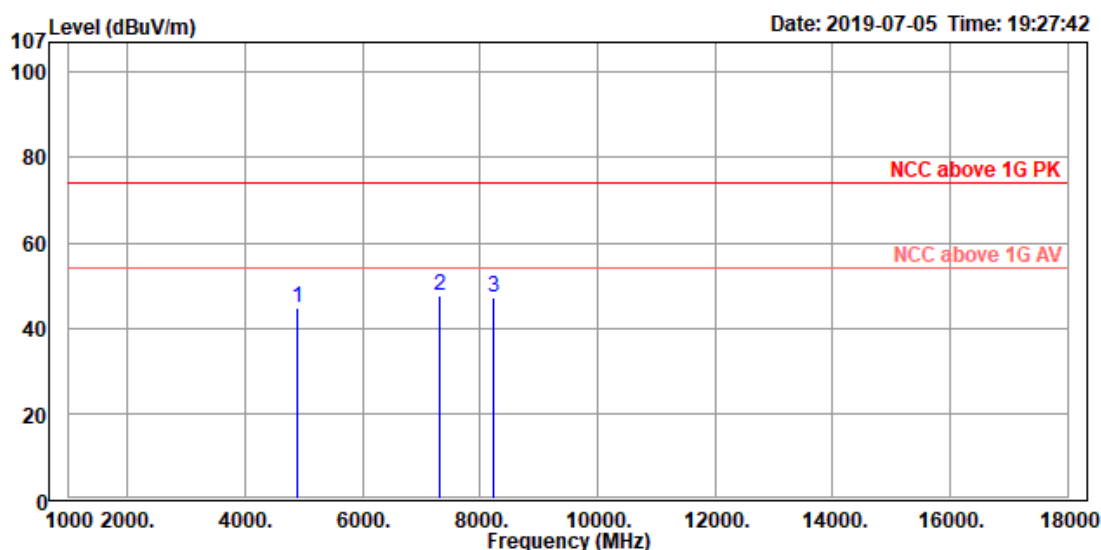
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	46.25	48.69	-2.44	74.00	-27.75	100	162	Peak	
2	7206.000	47.68	42.21	5.47	74.00	-26.32	100	159	Peak	
3	8292.754	47.92	41.51	6.41	74.00	-26.08	100	92	Peak	



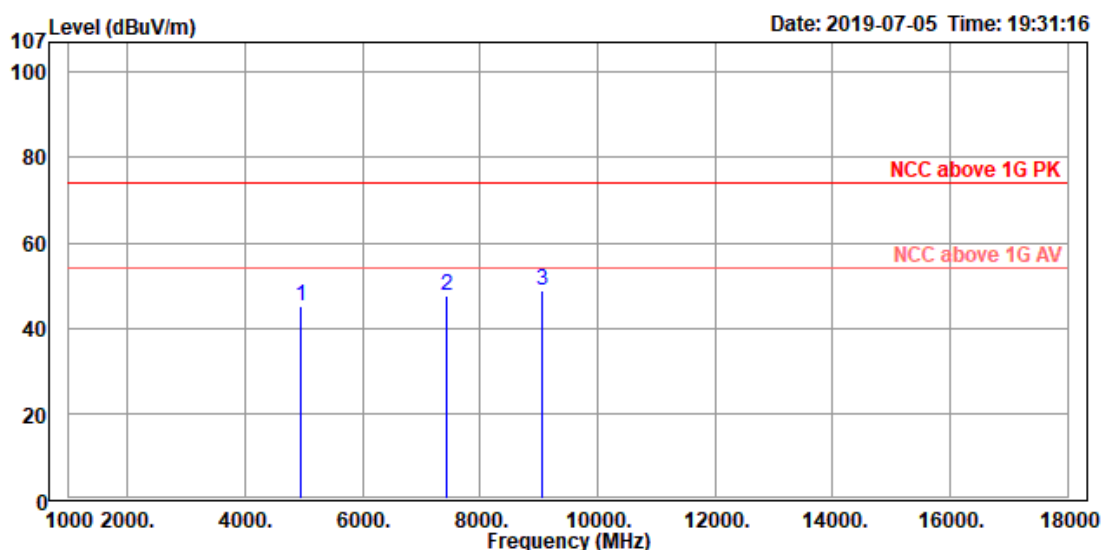
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4882.000	45.02	47.30	-2.28	74.00	-28.98	100	194	Peak	
2	7323.000	47.94	42.23	5.71	74.00	-26.06	100	311	Peak	
3	8465.218	48.16	41.57	6.59	74.00	-25.84	100	298	Peak	



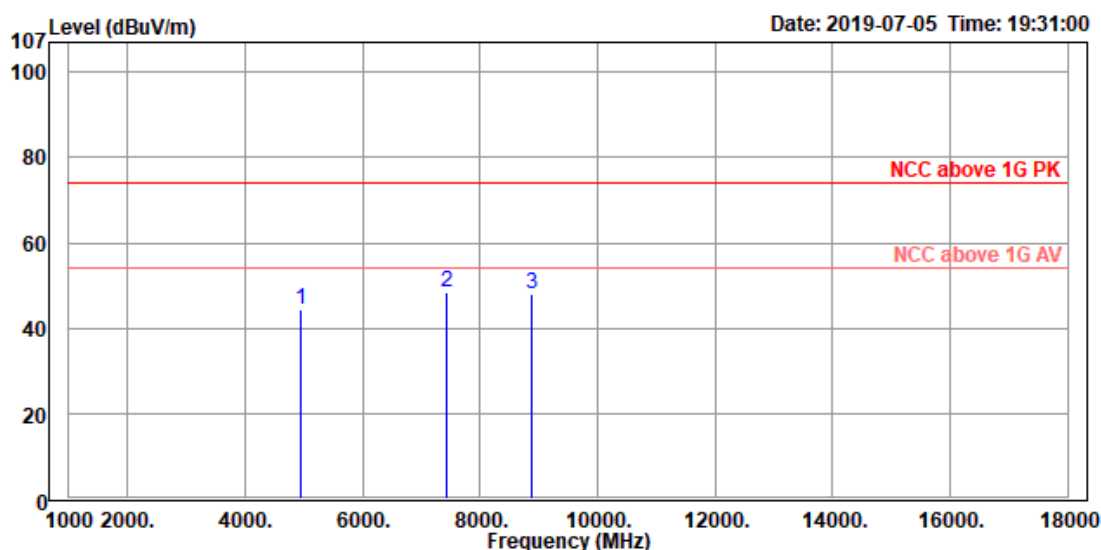
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4882.000	44.62	46.90	-2.28	74.00	-29.38	100	105	Peak	
2	7323.000	47.53	41.82	5.71	74.00	-26.47	100	91	Peak	
3	8218.841	47.10	40.80	6.30	74.00	-26.90	100	276	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	45.31	47.30	-1.99	74.00	-28.69	100	253	Peak	
2	7440.000	47.55	41.51	6.04	74.00	-26.45	100	360	Peak	
3	9056.521	48.66	41.95	6.71	74.00	-25.34	100	216	Peak	



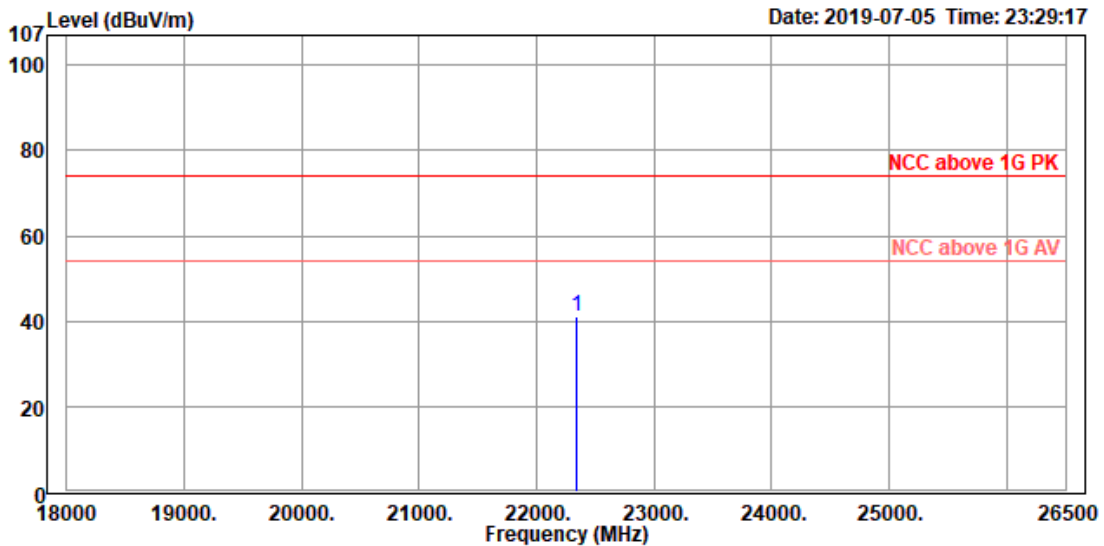
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.47	46.46	-1.99	74.00	-29.53	100	0	Peak	
2	7440.000	48.59	42.55	6.04	74.00	-25.41	100	243	Peak	
3	8884.058	48.12	41.40	6.72	74.00	-25.88	100	0	Peak	

Spurious Emissions, TX Mode, 18-26.5G

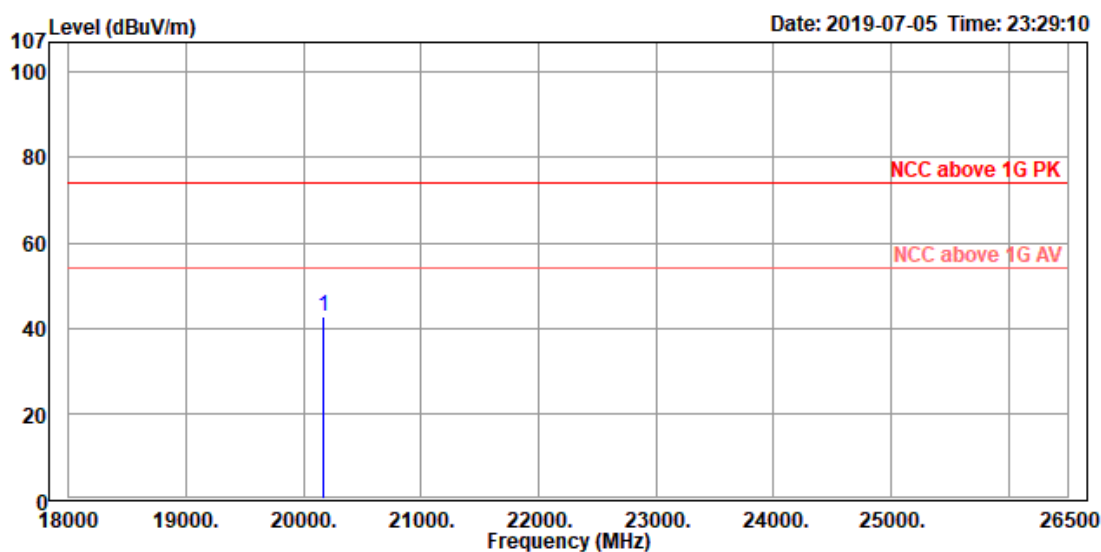


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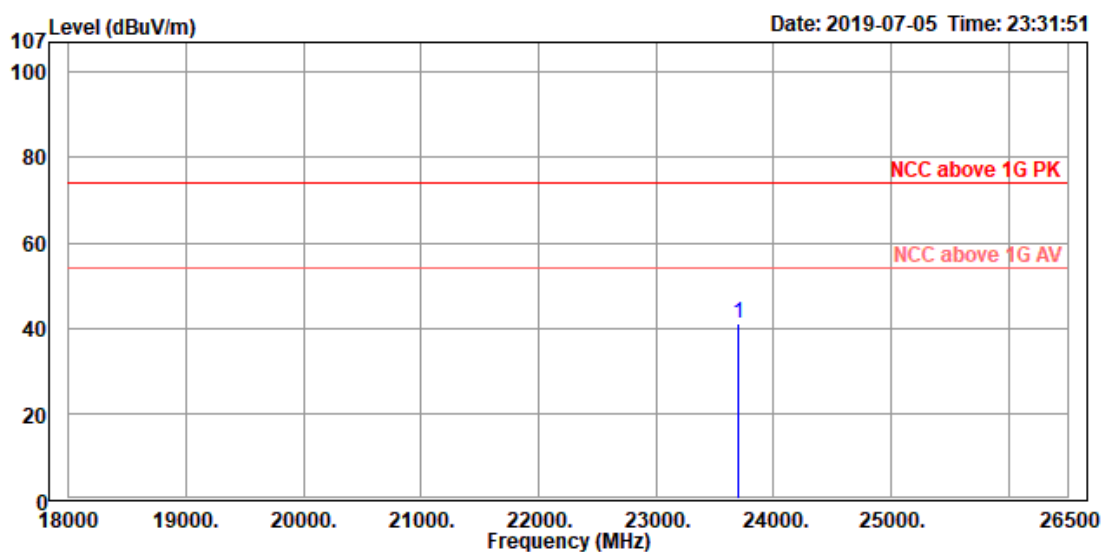
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	22336.230	41.27	41.31	-0.04	74.00	-32.73	100	3	Peak	



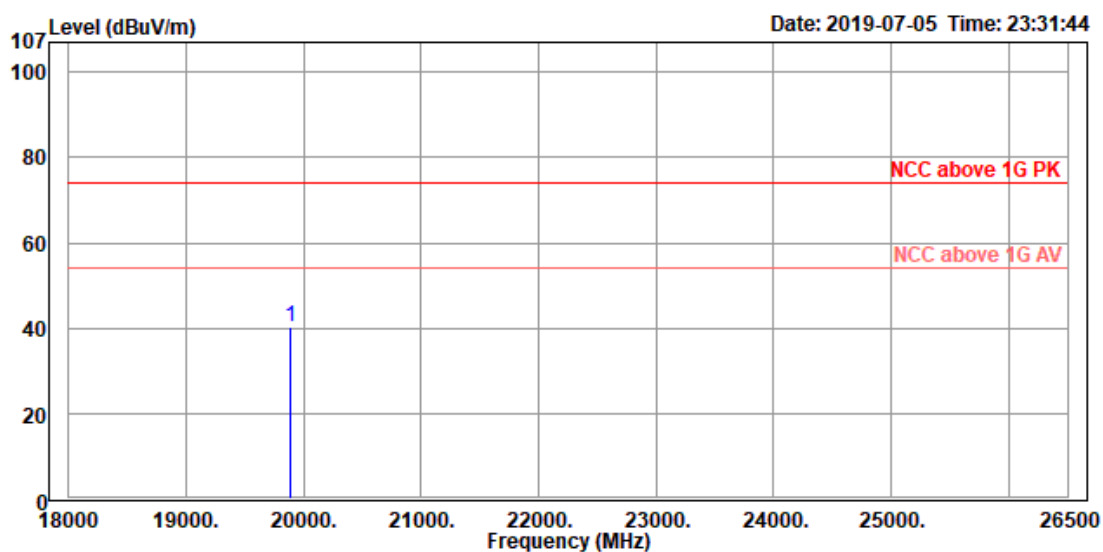
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20168.120	42.88	44.05	-1.17	74.00	-31.12	100	40	Peak	



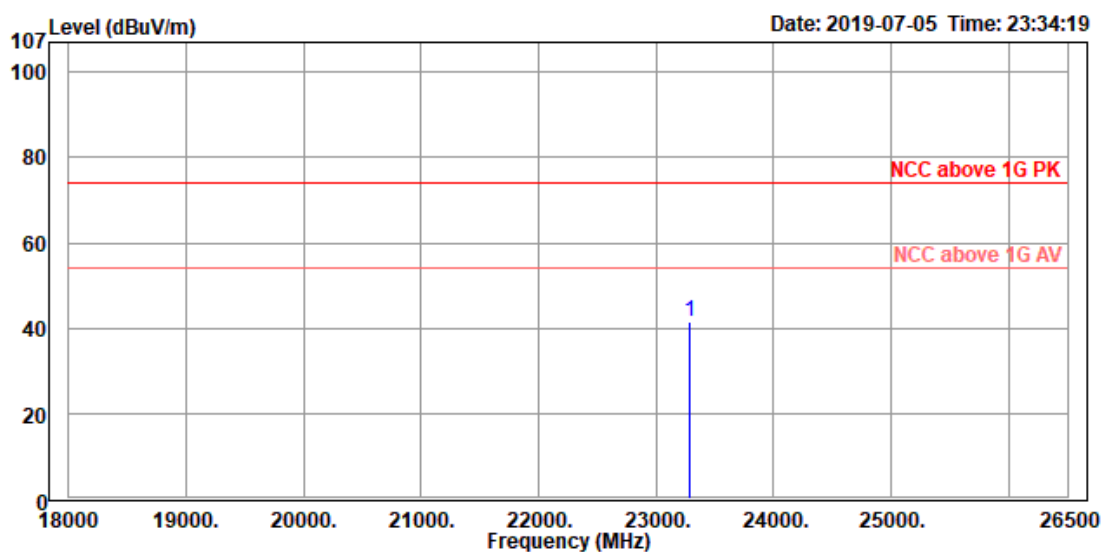
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23703.620	41.23	40.05	1.18	74.00	-32.77	100	243	Peak	



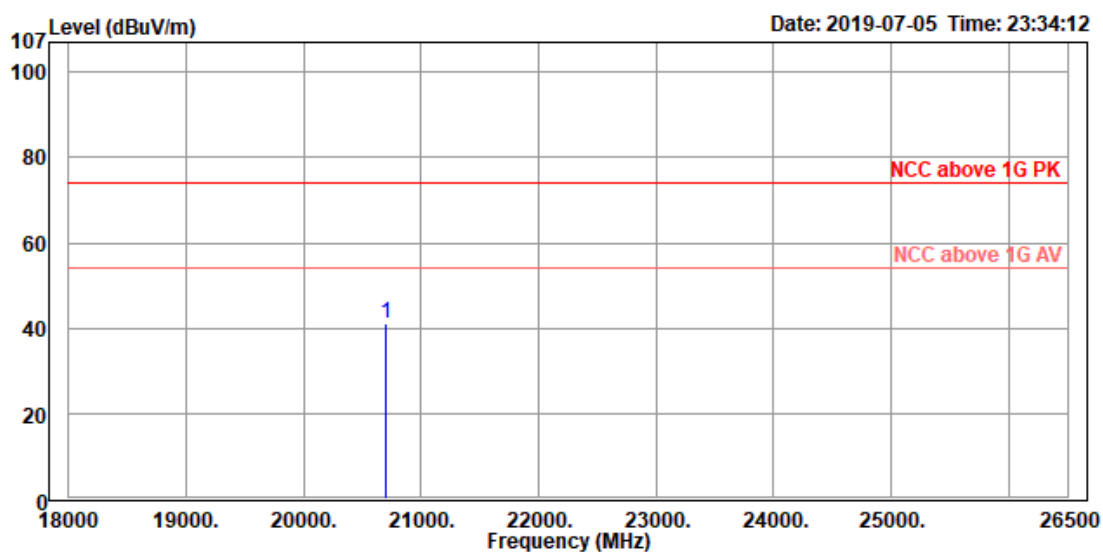
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	19884.780	40.34	42.37	-2.03	74.00	-33.66	100	0	Peak	



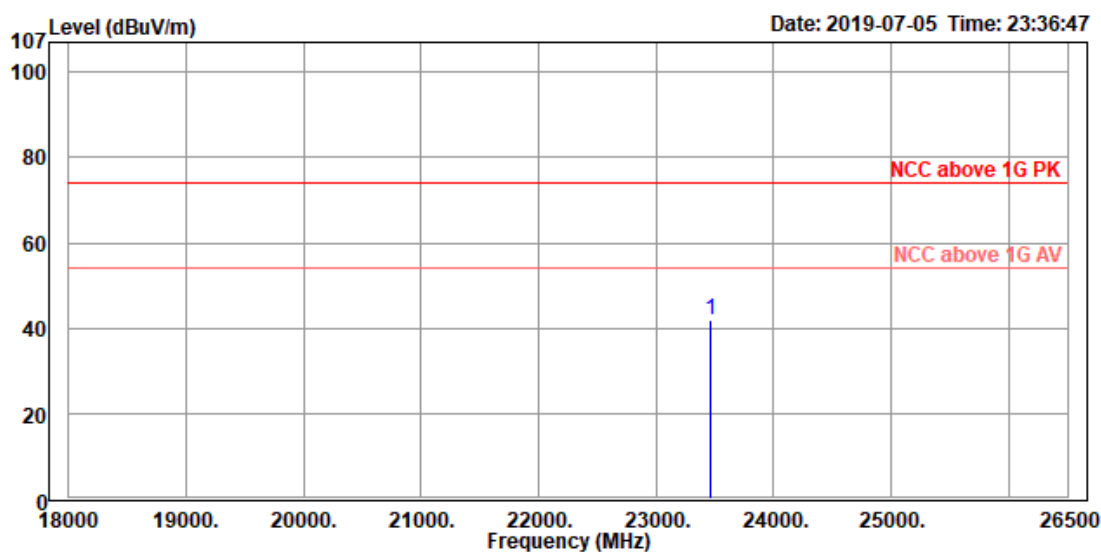
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23284.780	41.48	40.53	0.95	74.00	-32.52	100	214	Peak	



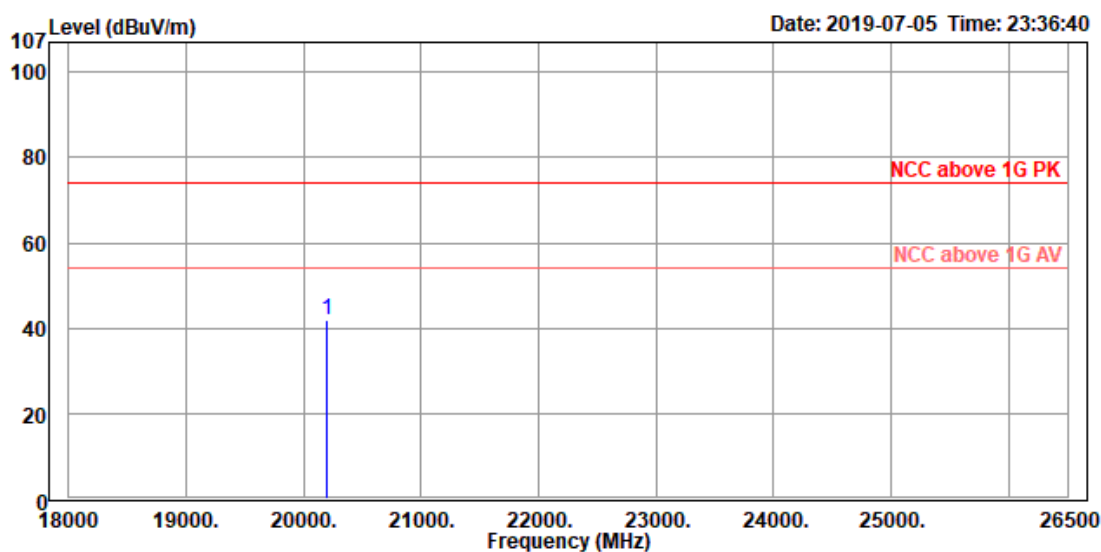
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20697.830	41.12	41.95	-0.83	74.00	-32.88	100	180	Peak	



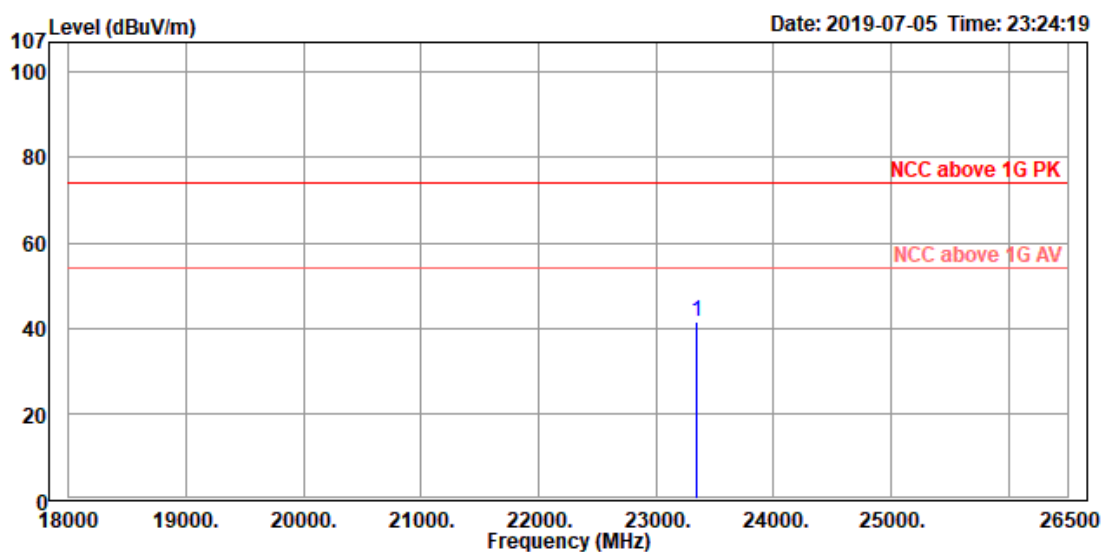
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23469.560	41.89	40.85	1.04	74.00	-32.11	100	0	Peak	



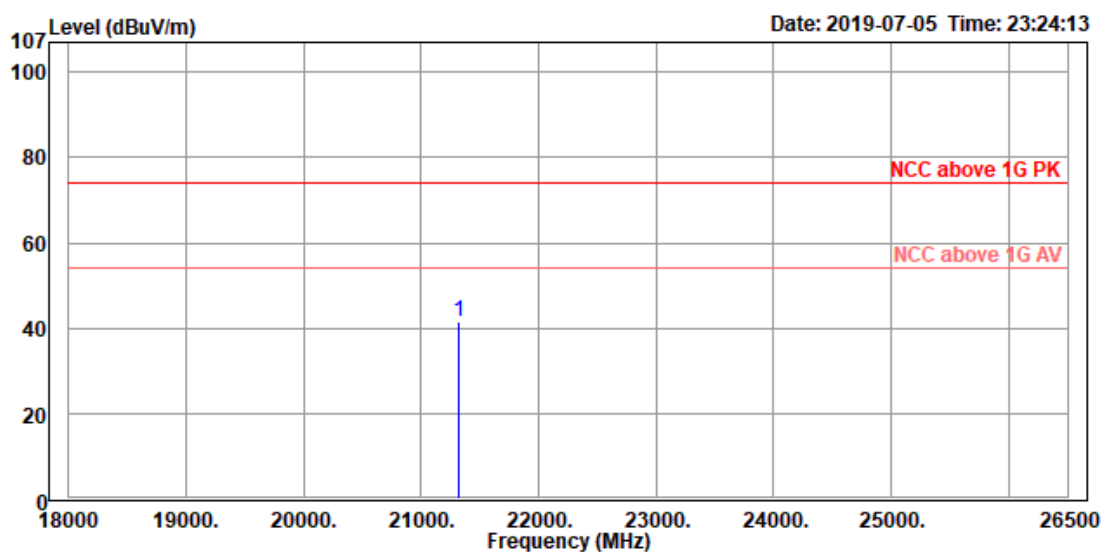
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-TX-2480
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20192.750	41.79	42.87	-1.08	74.00	-32.21	100	220	Peak	



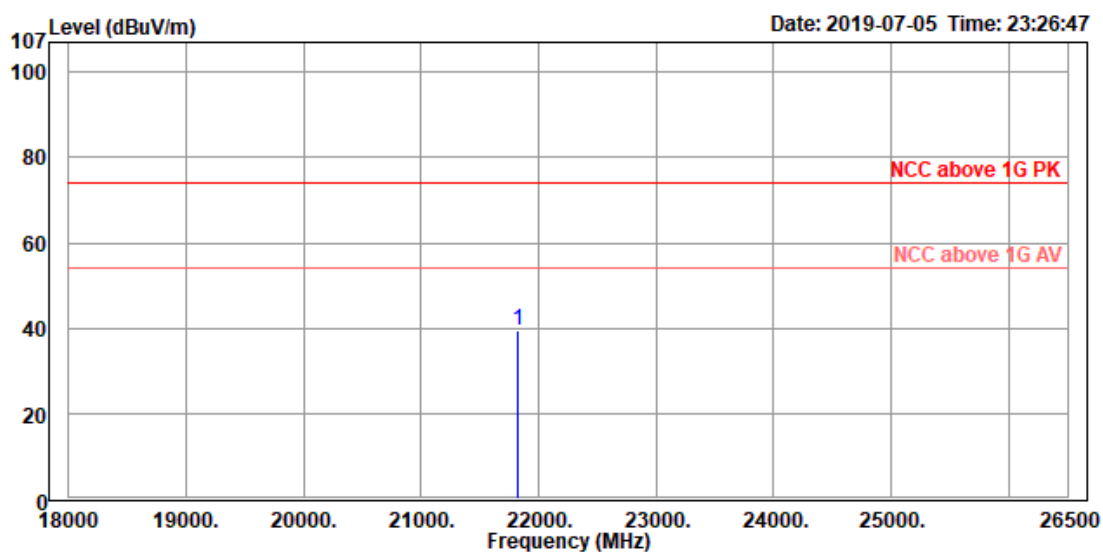
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23346.380	41.70	40.72	0.98	74.00	-32.30	100	360	Peak	



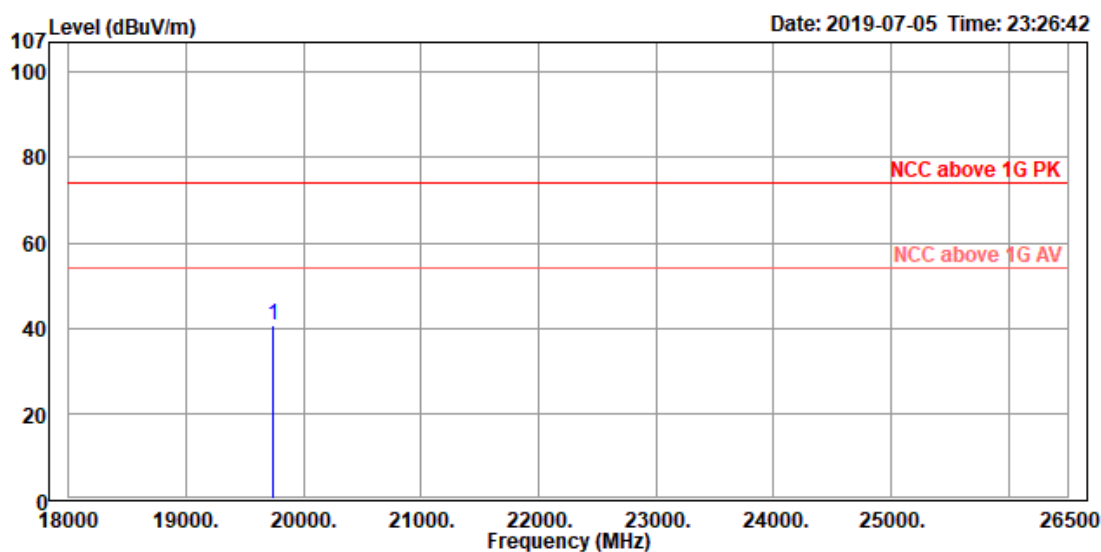
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2402
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21313.770	41.49	41.84	-0.35	74.00	-32.51	100	77	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21818.840	39.58	40.06	-0.48	74.00	-34.42	100	214	Peak	



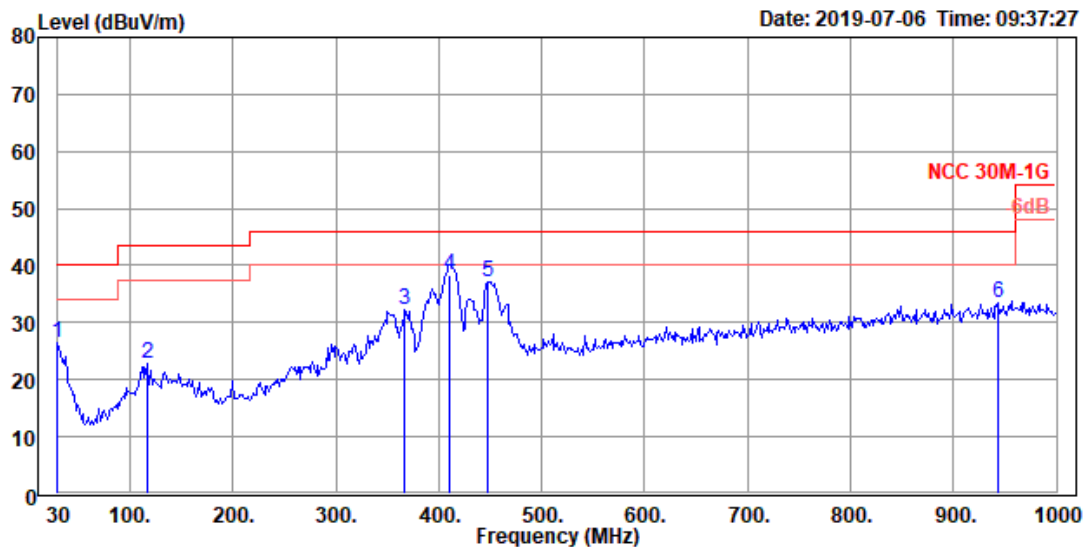
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	19736.960	40.76	43.11	-2.35	74.00	-33.24	100	36	Peak	

Spurious Emissions, TX Mode, 30M-1G

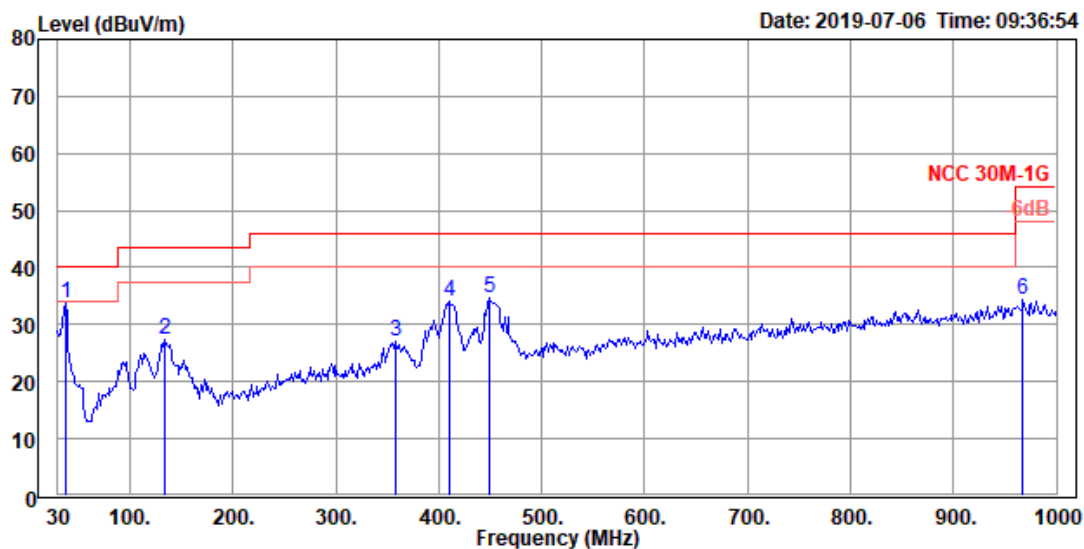


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Site : 966A Chamber A
Condition : NCC 30M-1G 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	26.60	26.58	0.02	40.00	-13.40	100	289	QP	
2	117.159	22.66	30.18	-7.52	43.50	-20.84	100	147	QP	
3	367.391	32.23	35.35	-3.12	46.00	-13.77	100	117	QP	
4	410.971	38.22	40.32	-2.10	46.00	-7.78	100	85	QP	
5	447.522	37.26	39.34	-2.08	46.00	-8.74	100	78	QP	
6	943.768	33.40	28.16	5.24	46.00	-12.60	100	185	QP	



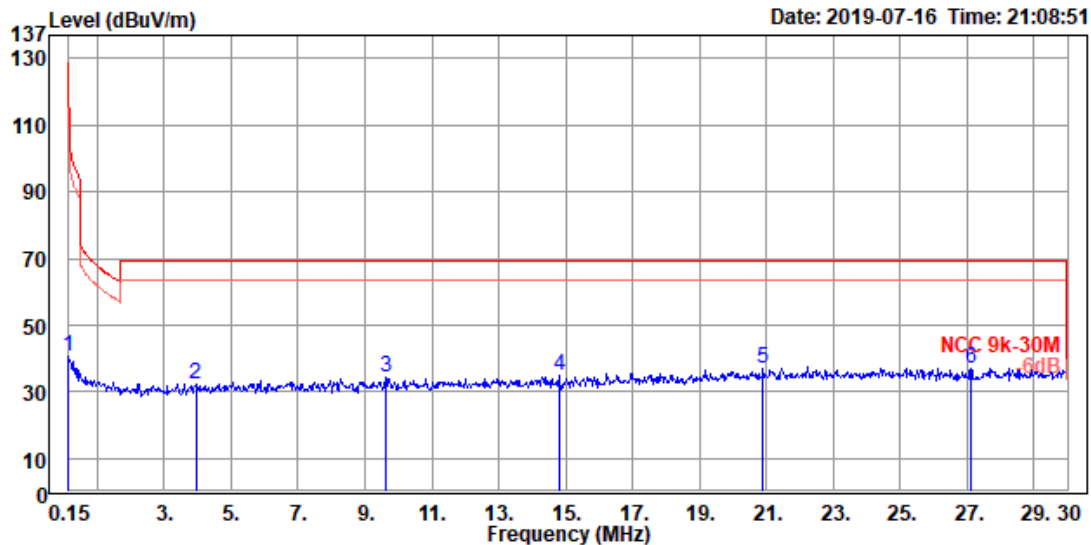
Site : 966A Chamber A
Condition : NCC 30M-1G 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	37.029	33.74	37.78	-4.04	40.00	-6.26	100	327	QP	
2	134.029	27.24	34.14	-6.90	43.50	-16.26	100	275	QP	
3	357.551	26.99	30.20	-3.21	46.00	-19.01	100	125	QP	
4	410.971	33.93	36.03	-2.10	46.00	-12.07	100	27	QP	
5	448.928	34.74	36.80	-2.06	46.00	-11.26	100	187	QP	
6	967.667	34.42	28.74	5.68	54.00	-19.58	100	0	QP	

Spurious Emissions, TX Mode, 9K-30M

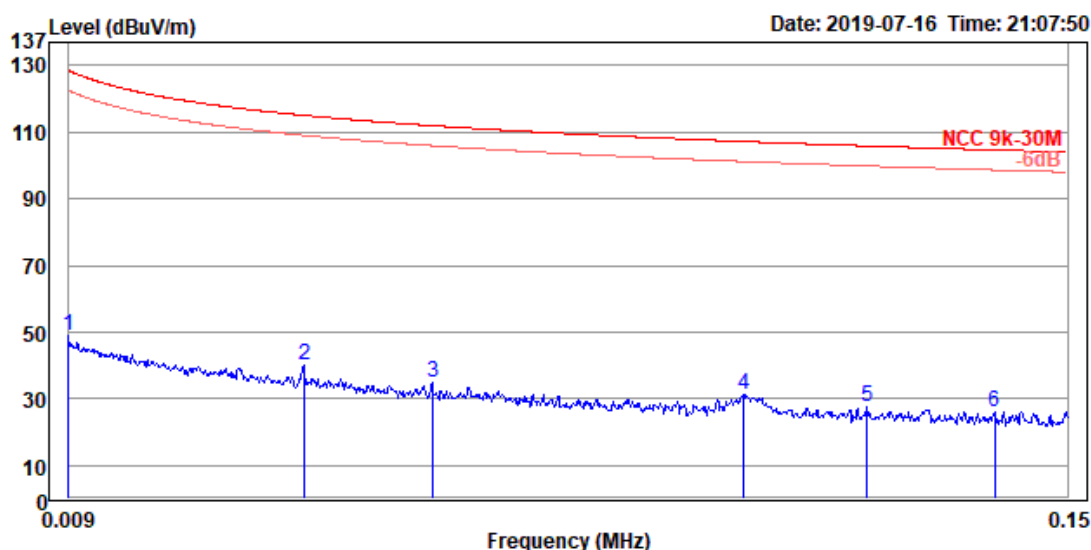


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Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	40.43	22.52	17.91	104.08	-63.65	100	118	QP	
2	3.941	32.30	13.35	18.95	69.50	-37.20	100	45	QP	
3	9.612	34.36	14.04	20.32	69.50	-35.14	100	15	QP	
4	14.806	35.04	14.16	20.88	69.50	-34.46	100	327	QP	
5	20.896	36.97	15.52	21.45	69.50	-32.53	100	213	QP	
6	27.105	37.16	15.44	21.72	69.50	-32.34	100	304	QP	



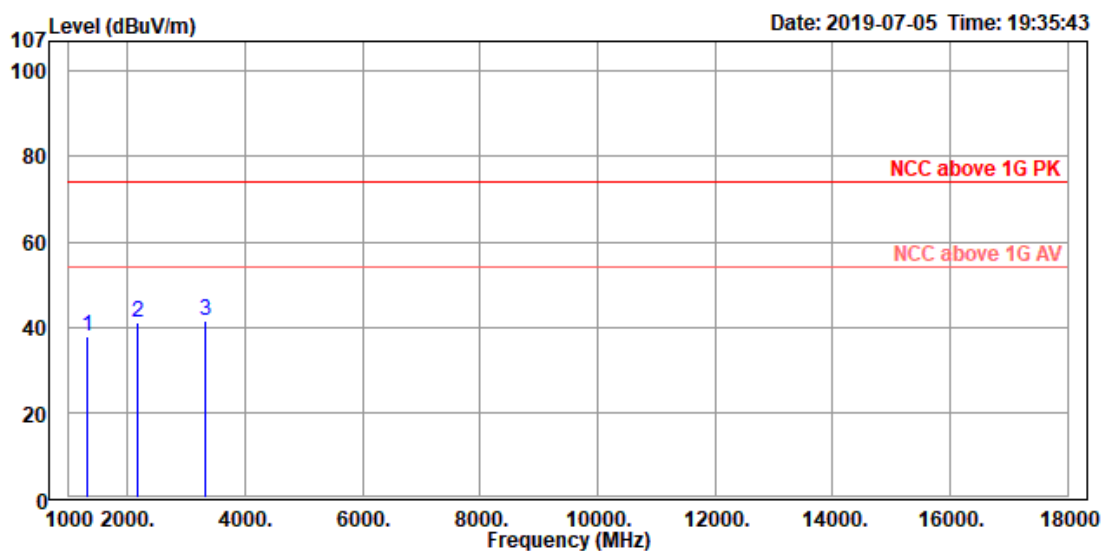
Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-TX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	48.85	30.88	17.97	128.50	-79.65	100	226	QP	
2	0.042	40.00	21.08	18.92	115.10	-75.10	100	36	QP	
3	0.060	34.81	16.18	18.63	111.98	-77.17	100	18	QP	
4	0.104	31.22	13.50	17.72	107.24	-76.02	100	302	QP	
5	0.122	27.43	9.64	17.79	105.88	-78.45	100	240	QP	
6	0.140	25.95	8.08	17.87	104.69	-78.74	100	359	QP	

Spurious Emissions, RX Mode, 1-18G

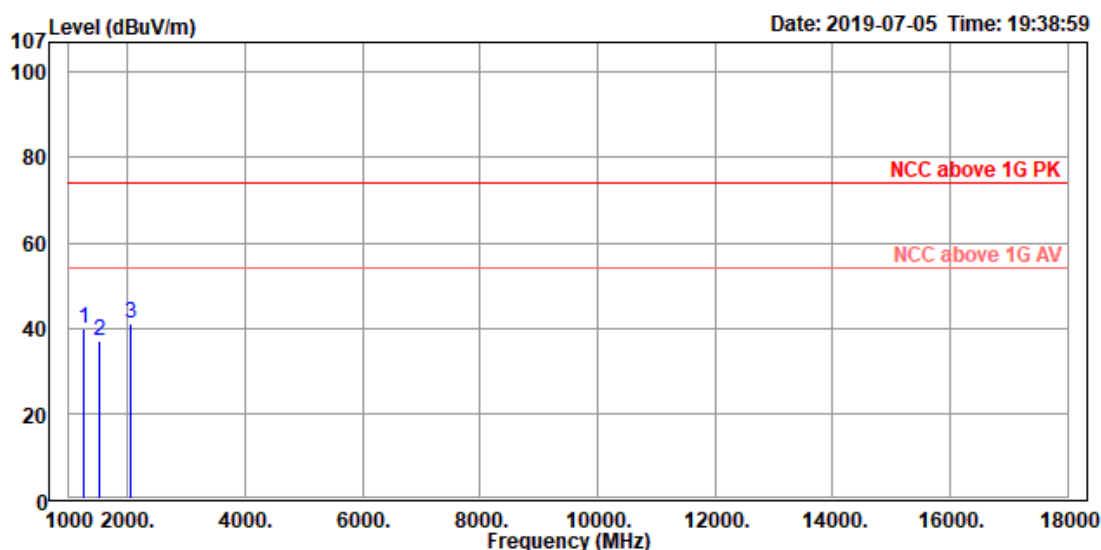


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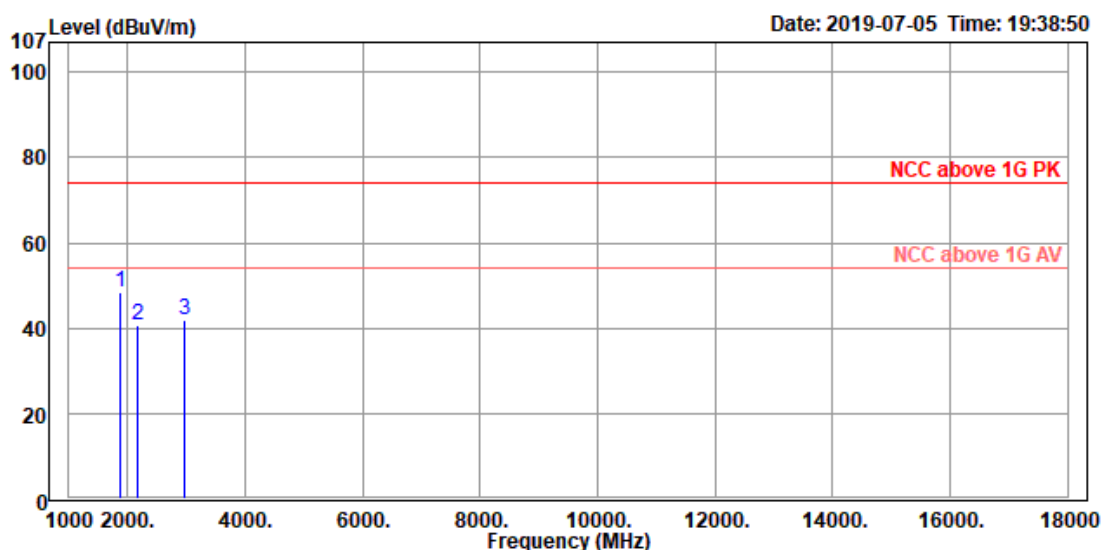
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	1320.290	37.78	47.06	-9.28	74.00	-36.22	100	294	Peak	
2	2182.609	41.02	49.28	-8.26	74.00	-32.98	100	110	Peak	
3	3315.942	41.38	47.50	-6.12	74.00	-32.62	100	324	Peak	



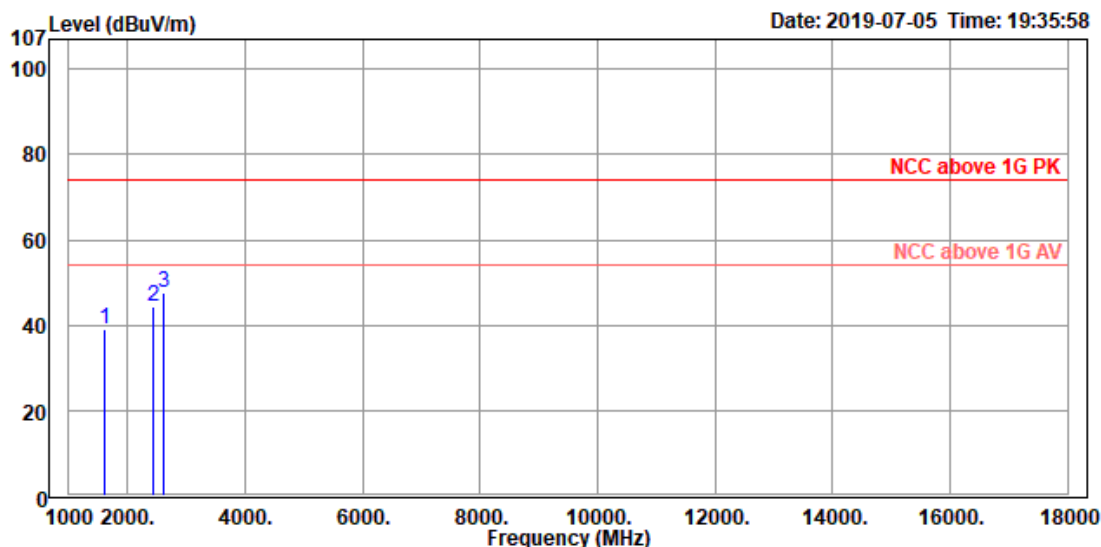
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	1246.377	39.80	48.59	-8.79	74.00	-34.20	100	227	Peak	
2	1517.391	36.99	47.58	-10.59	74.00	-37.01	100	360	Peak	
3	2059.420	40.93	49.09	-8.16	74.00	-33.07	100	200	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	1862.319	48.48	56.85	-8.37	74.00	-25.52	100	23	Peak	
2	2157.971	40.60	48.94	-8.34	74.00	-33.40	100	170	Peak	
3	2971.014	42.09	48.92	-6.83	74.00	-31.91	100	264	Peak	



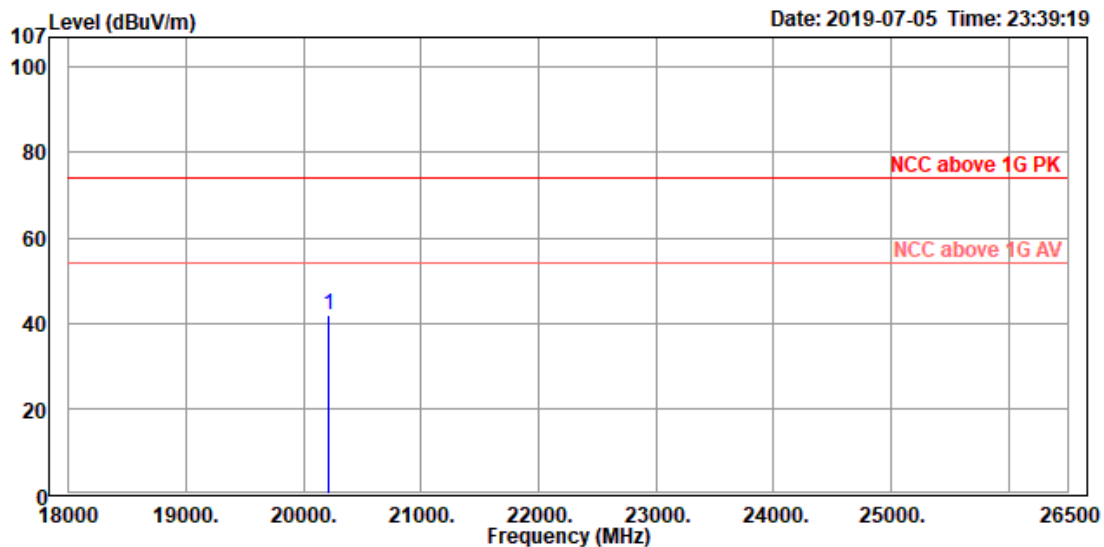
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	1615.942	39.02	49.14	-10.12	74.00	-34.98	100	27	Peak	
2	2428.986	44.45	52.56	-8.11	74.00	-29.55	100	167	Peak	
3	2626.087	47.45	55.29	-7.84	74.00	-26.55	100	215	Peak	

Spurious Emissions, RX Mode, 18-26.5G

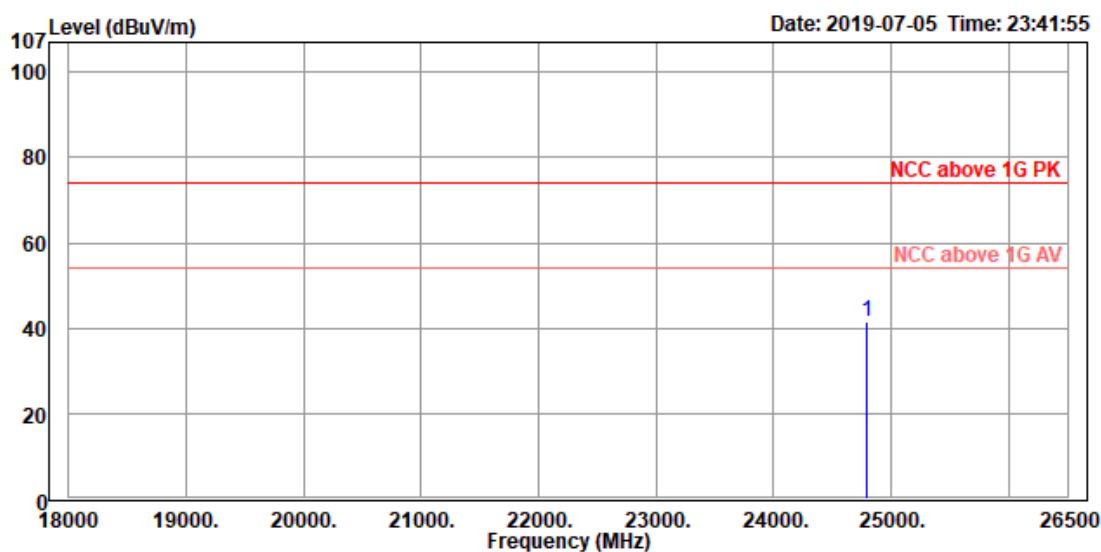


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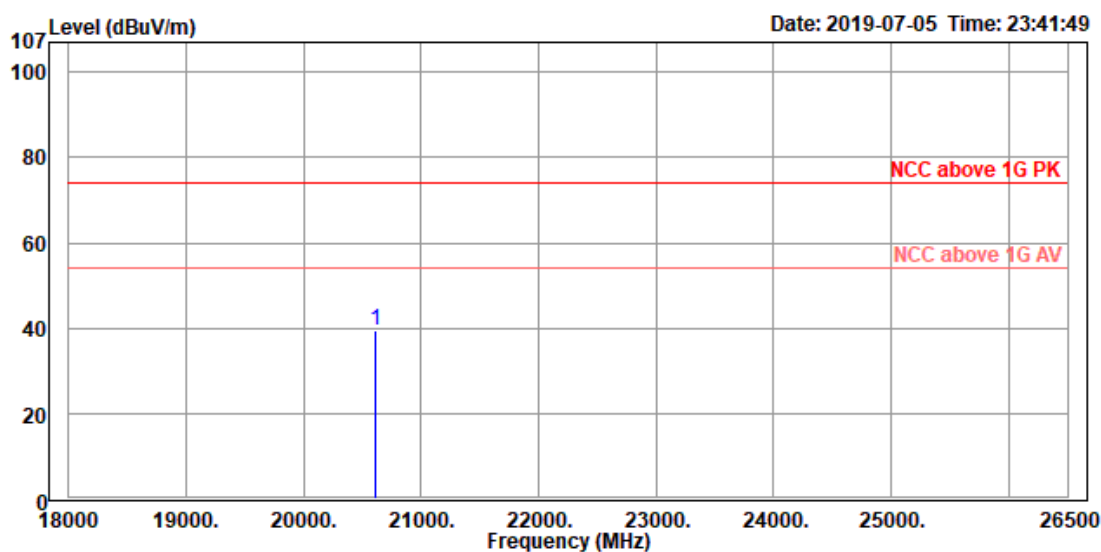
Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20205.070	42.10	43.14	-1.04	74.00	-31.90	100	0	Peak	



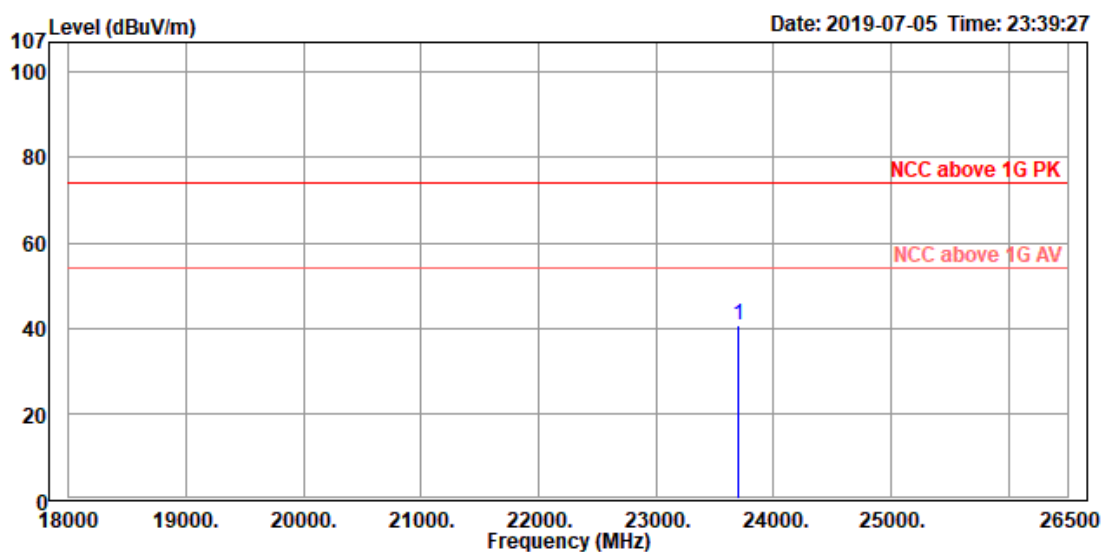
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	24800.000	41.56	40.10	1.46	74.00	-32.44	100	156	Peak	



Site : 966A Chamber A
Condition : NCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 3DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20611.590	39.62	40.52	-0.90	74.00	-34.38	100	214	Peak	



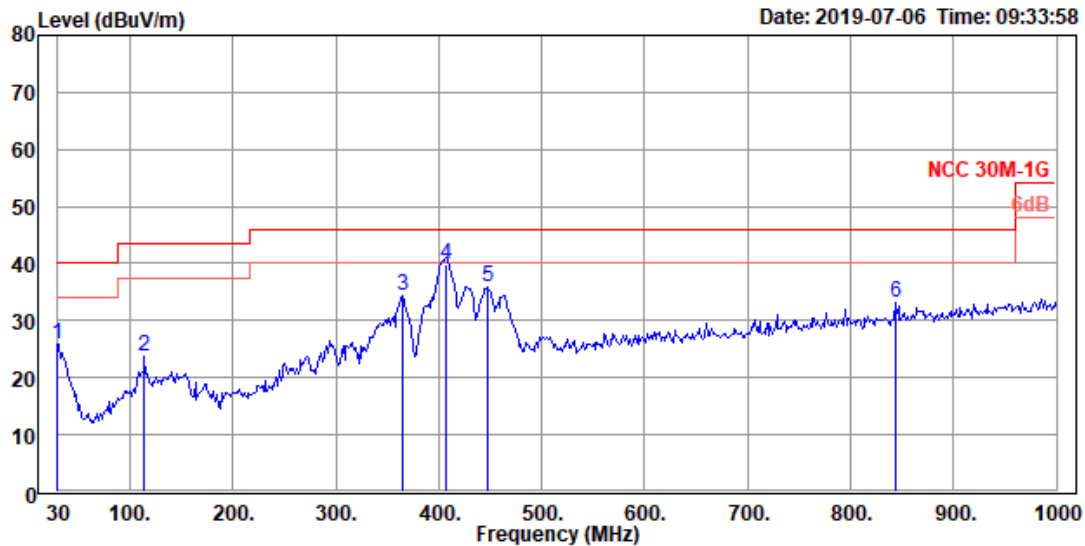
Site : 966A Chamber A
Condition : NCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23703.620	40.78	39.60	1.18	74.00	-33.22	100	246	Peak	

Spurious Emissions, RX Mode, 30M-1G

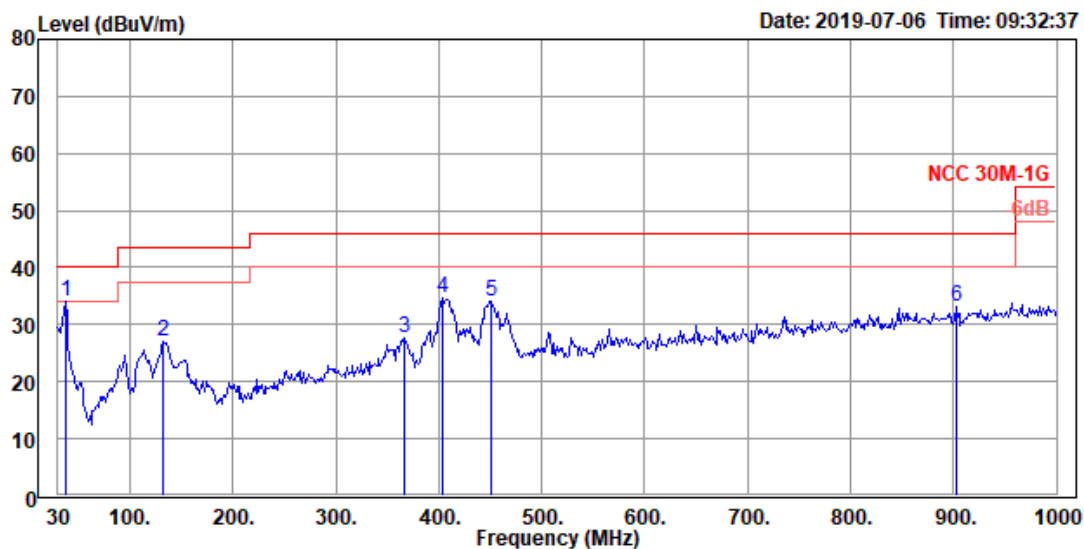


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Site : 966A Chamber A
Condition : NCC 30M-1G 3m horizontal
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	25.90	25.88	0.02	40.00	-14.10	100	177	QP	
2	114.348	23.62	31.34	-7.72	43.50	-19.88	100	115	QP	
3	364.580	34.23	37.39	-3.16	46.00	-11.77	100	128	QP	
4	406.754	39.74	41.90	-2.16	46.00	-6.26	100	77	QP	
5	447.522	35.78	37.86	-2.08	46.00	-10.22	100	74	QP	
6	843.957	33.12	29.50	3.62	46.00	-12.88	100	231	QP	



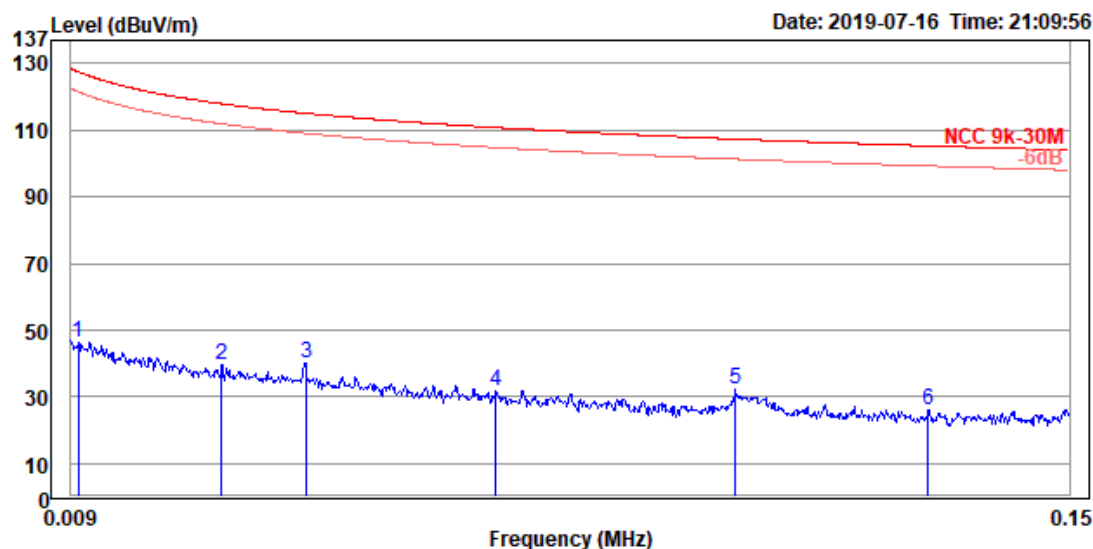
Site : 966A Chamber A
Condition : NCC 30M-1G 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	37.029	33.95	37.99	-4.04	40.00	-6.05	100	232	QP	
2	132.623	27.08	34.03	-6.95	43.50	-16.42	100	156	QP	
3	365.986	27.61	30.74	-3.13	46.00	-18.39	100	43	QP	
4	403.942	34.63	36.85	-2.22	46.00	-11.37	100	43	QP	
5	451.739	34.06	36.09	-2.03	46.00	-11.94	100	189	QP	
6	903.000	33.22	28.98	4.24	46.00	-12.78	100	140	QP	

Spurious Emissions, RX Mode, 9K-30M

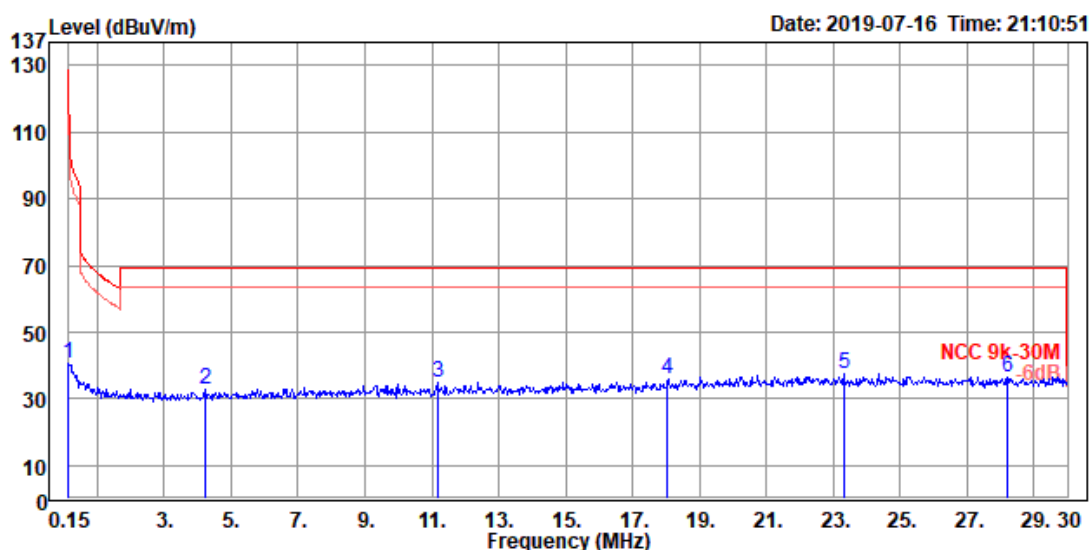


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Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.010	46.33	28.26	18.07	127.60	-81.27	100	26	QP	
2	0.030	39.63	20.65	18.98	117.96	-78.33	100	138	QP	
3	0.042	40.17	21.25	18.92	115.10	-74.93	100	133	QP	
4	0.069	32.01	13.58	18.43	110.81	-78.80	100	81	QP	
5	0.103	32.04	14.33	17.71	107.35	-75.31	100	278	QP	
6	0.130	26.18	8.35	17.83	105.31	-79.13	100	95	QP	

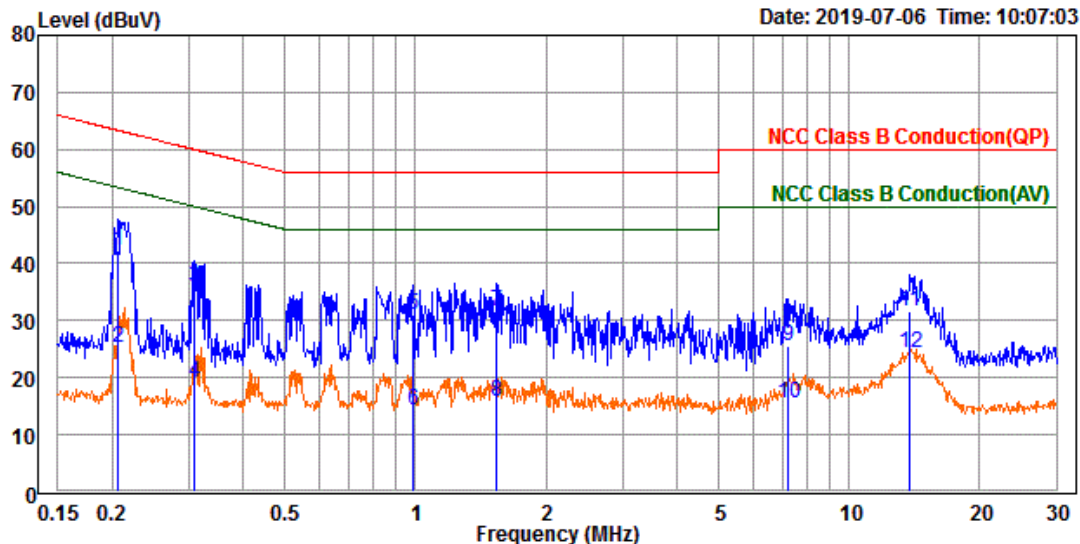


Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : GIS 資料蒐集器
Model No. : Zeno 20
Test Rating : AC110V/60Hz
Tmp/Hum : 21°C/57%
Power Setting: default
Mode : 1DH5-RX-2441
Memo : Z(平躺)

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	40.75	22.84	17.91	104.08	-63.33	100	74	QP	
2	4.210	32.69	13.64	19.05	69.50	-36.81	100	357	QP	
3	11.165	34.71	14.20	20.51	69.50	-34.79	100	243	QP	
4	18.060	36.04	14.83	21.21	69.50	-33.46	100	47	QP	
5	23.314	37.52	15.97	21.55	69.50	-31.98	100	201	QP	
6	28.209	36.64	14.86	21.78	69.50	-32.86	100	334	QP	



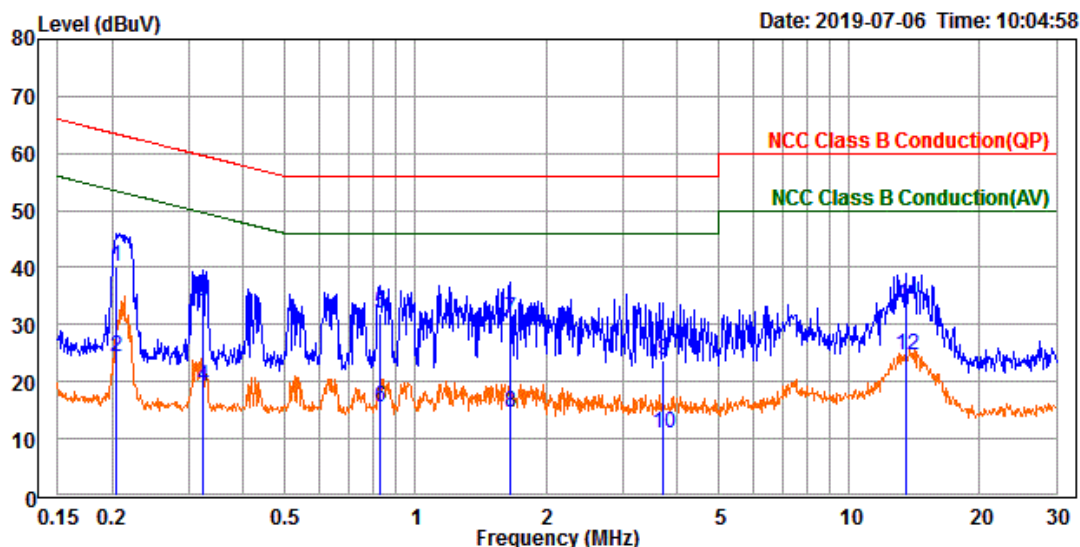
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Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) neutral
Test Engineer: Kevin Kuo
Applicant : 安儀精密儀器有限公司
Product : Leica Zeno 20
Model No. : Zeno 20
Test Rating : 110Vac/60Hz
Tmp/Hum : 28.5°C/40%
Memo : BT AC Mains

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.206	32.48	9.68	42.16	63.35	-21.19	QP
2	0.206	15.49	9.68	25.17	53.35	-28.18	Average
3	0.311	26.35	9.67	36.02	59.96	-23.94	QP
4	0.311	9.55	9.67	19.22	49.96	-30.74	Average
5	0.987	21.37	9.68	31.05	56.00	-24.95	QP
6	0.987	4.65	9.68	14.33	46.00	-31.67	Average
7	1.538	22.03	9.69	31.72	56.00	-24.28	QP
8	1.538	6.24	9.69	15.93	46.00	-30.07	Average
9	7.248	15.78	9.72	25.50	60.00	-34.50	QP
10	7.248	5.68	9.72	15.40	50.00	-34.60	Average
11	13.786	21.74	9.76	31.50	60.00	-28.50	QP
12	13.786	14.46	9.76	24.22	50.00	-25.78	Average



Trace: 1

Site : Conduction room

Condition : NCC Class B Conduction(QP) line1

Test Engineer: Kevin Kuo

Applicant : 安儀精密儀器有限公司

Product : Leica Zeno 20

Model No. : Zeno 20

Test Rating : 110Vac/60Hz

Tmp/Hum : 28.5°C/40%

Memo : BT AC Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.204	30.48	9.69	40.17	63.43	-23.26	QP
2	0.204	14.65	9.69	24.34	53.43	-29.09	Average
3	0.325	24.26	9.69	33.95	59.58	-25.63	QP
4	0.325	9.43	9.69	19.12	49.58	-30.46	Average
5	0.829	22.19	9.69	31.88	56.00	-24.12	QP
6	0.829	5.78	9.69	15.47	46.00	-30.53	Average
7	1.649	21.26	9.70	30.96	56.00	-25.04	QP
8	1.649	5.02	9.70	14.72	46.00	-31.28	Average
9	3.735	14.09	9.72	23.81	56.00	-32.19	QP
10	3.735	1.31	9.72	11.03	46.00	-34.97	Average
11	13.581	23.68	9.77	33.45	60.00	-26.55	QP
12	13.581	14.96	9.77	24.73	50.00	-25.27	Average