

Test Report No.50277818 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50277818 001 AppendixD)

Contents

Spurious Emissions, Band Edges, 2.35-2.5G ..... 3

Spurious Emissions, TX Mode, 1-18G.....11

Spurious Emissions, TX Mode, 18-26G..... 17

Spurious Emissions, TX Mode, 30M-1G ..... 23

Spurious Emissions, TX Mode, 9k-30M ..... 25

Spurious Emissions, RX Mode, 1-18G ..... 27

Spurious Emissions, RX Mode, 18-26G ..... 29

Spurious Emissions, RX Mode, 30M-1G..... 31

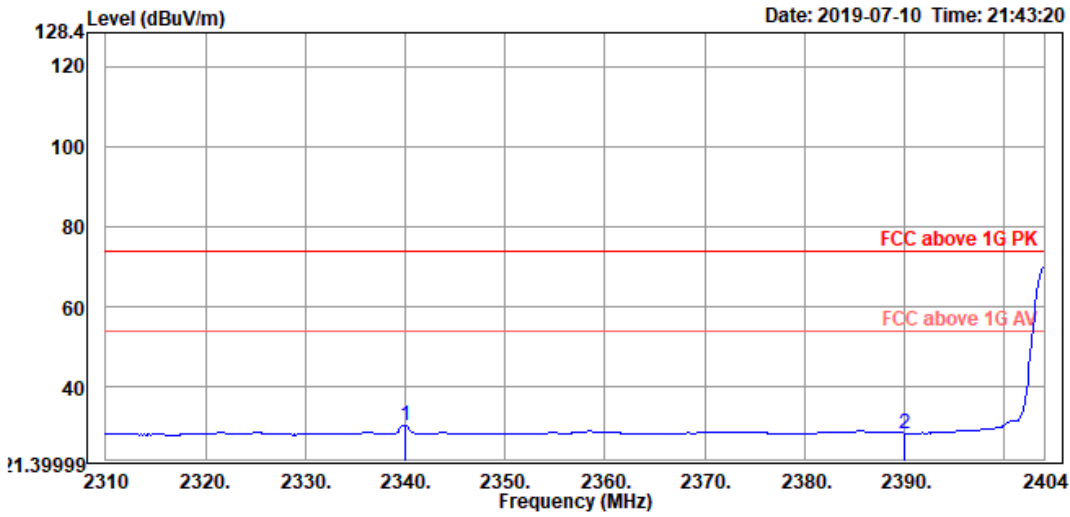
Spurious Emissions, RX Mode, 9k-30M..... 33

# Spurious Emissions, Band Edges, 2.35-2.5G

## Radiated Bandedge (GFSK), Low Channel

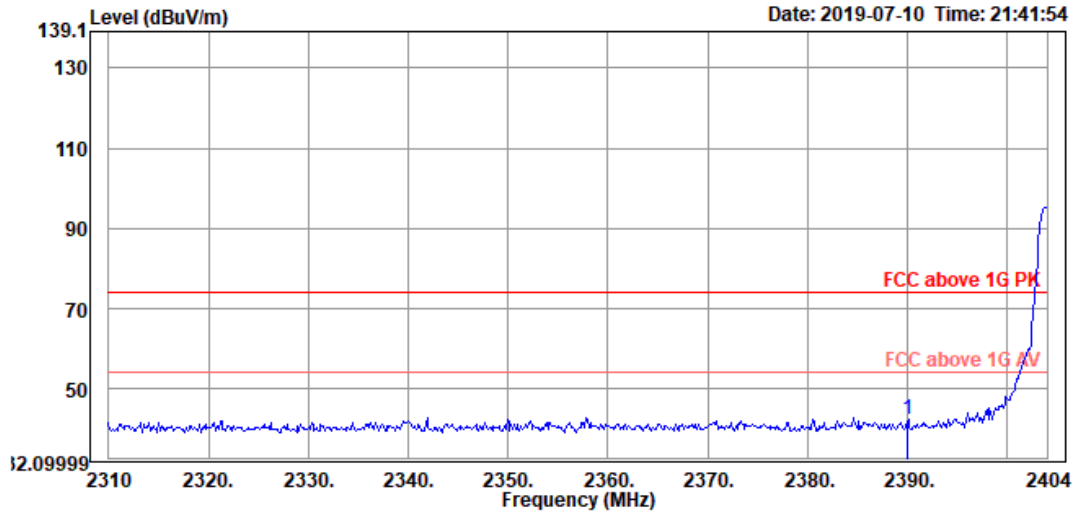


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



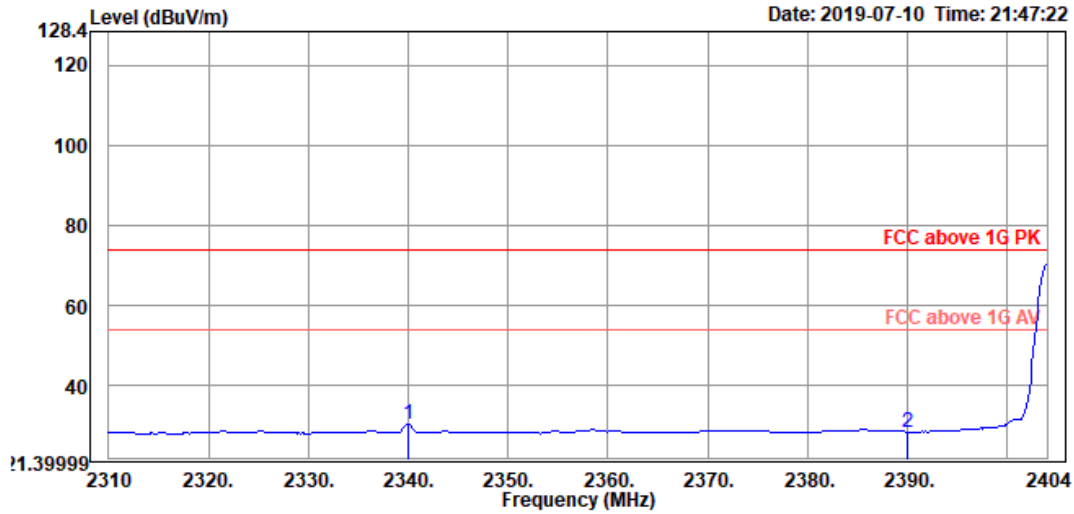
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m Horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2339.971	38.90	-8.43	30.47	54.00	-23.53	100 47 Average
2	2390.000	36.73	-8.26	28.47	54.00	-25.53	100 47 Average



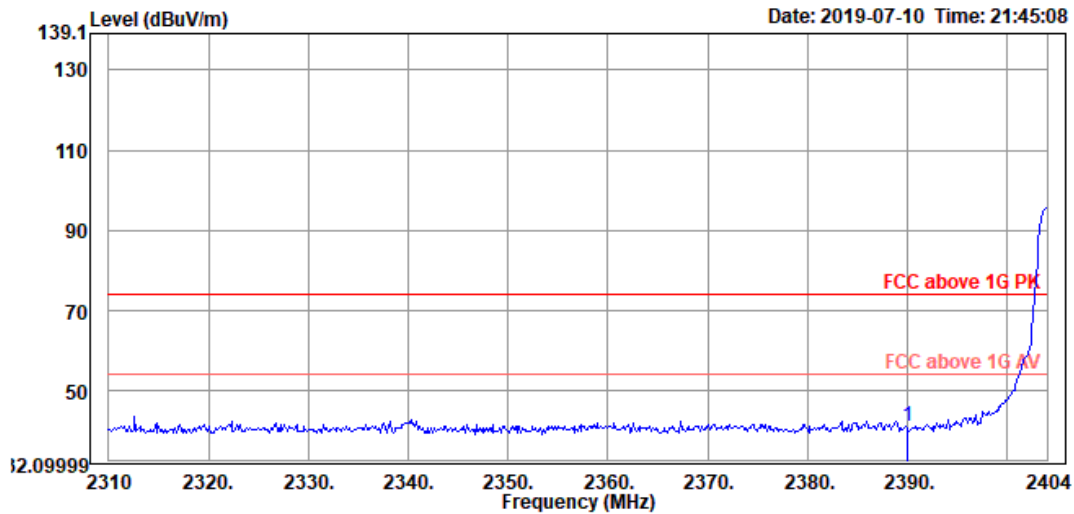
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m Horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	50.73	-8.26	42.47	74.00	-31.53	100	47	Peak	



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2339.971	38.75	-8.43	30.32	54.00	-23.68	100	257	Average	
2	2390.000	36.69	-8.26	28.43	54.00	-25.57	100	257	Average	



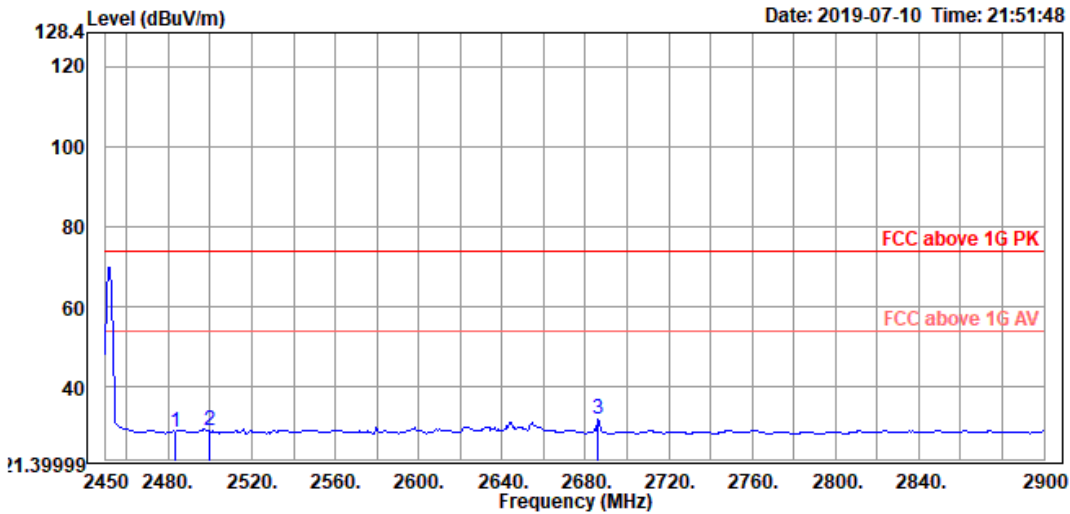
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	49.17	-8.26	40.91	74.00	-33.09	100	257	Peak	

# Radiated Bandedge (GFSK), High Channel

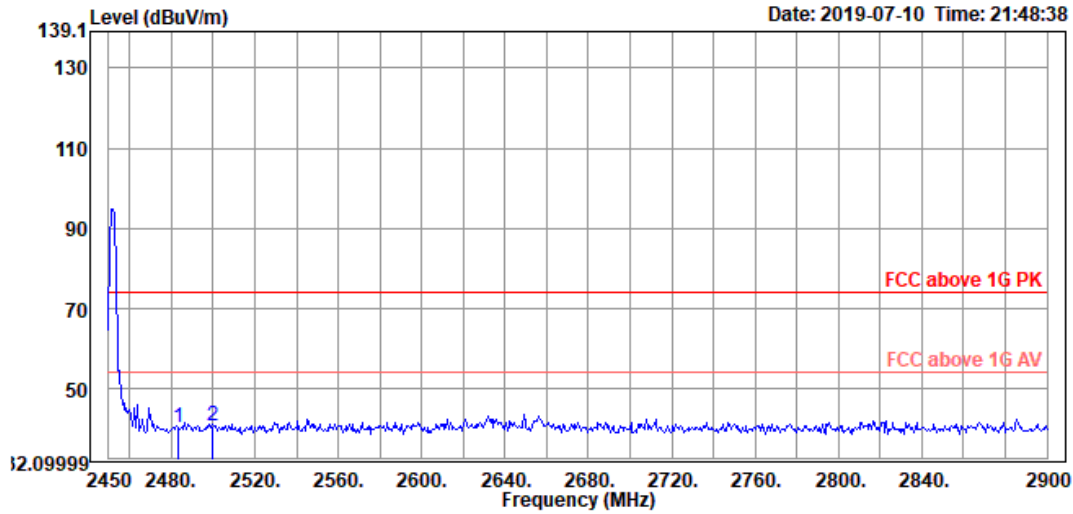


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m Horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

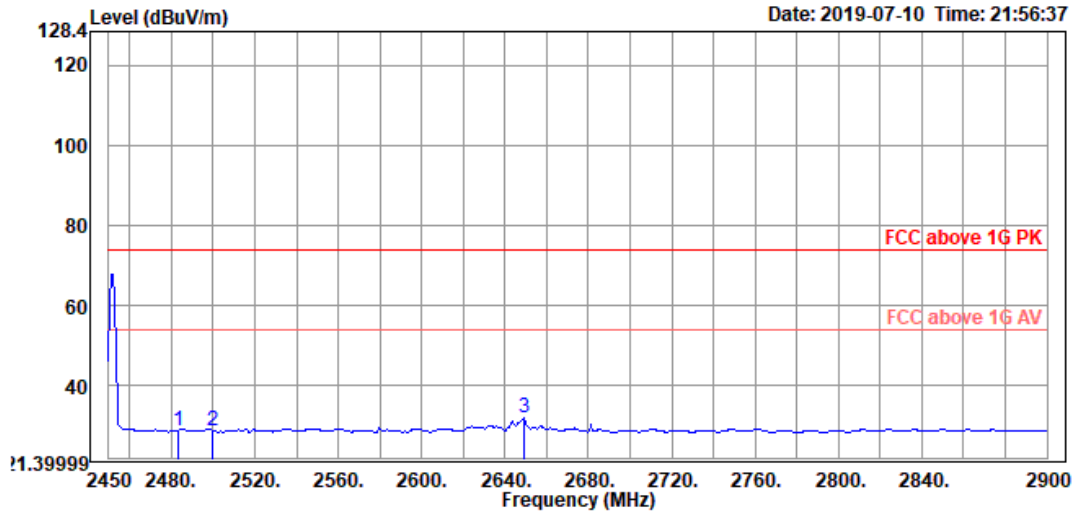
	Read Freq	Level	Factor	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	37.03	-8.11	28.92	54.00	-25.08	100	215	Average	
2	2500.000	37.10	-8.15	28.95	54.00	-25.05	100	215	Average	
3	2686.087	40.16	-8.01	32.15	54.00	-21.85	100	215	Average	



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m Horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

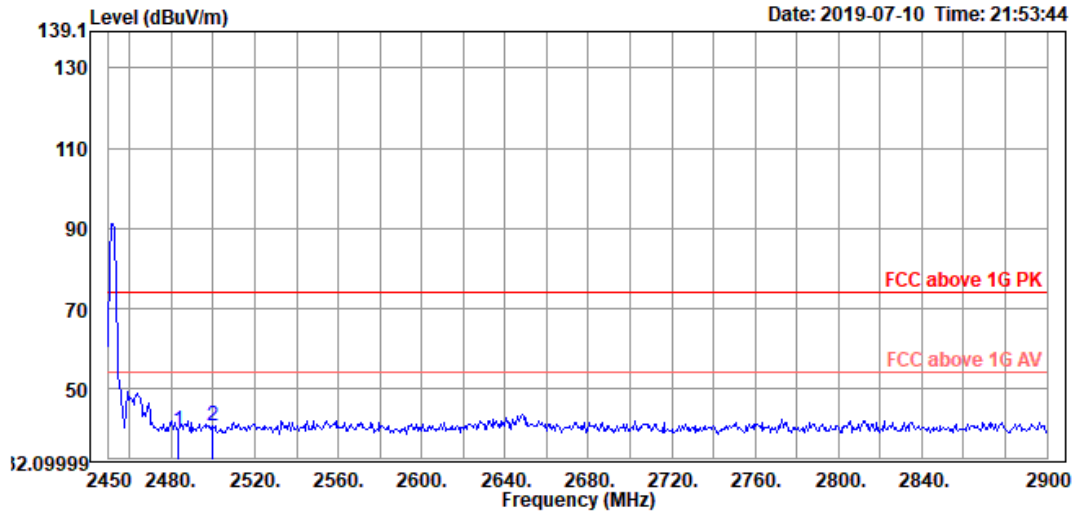
	Read	Limit	Over	APos	TPos	Remark	Note	
Freq	Level	Factor	Level	Line	Limit			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	2483.500	48.16	-8.11	40.05	74.00	-33.95	100	215 Peak
2	2500.000	48.96	-8.15	40.81	74.00	-33.19	100	215 Peak





Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2483.500	37.00	-8.11	28.89	54.00	-25.11	100 205 Average
2	2500.000	36.94	-8.15	28.79	54.00	-25.21	100 205 Average
3	2648.913	40.03	-7.89	32.14	54.00	-21.86	100 205 Average



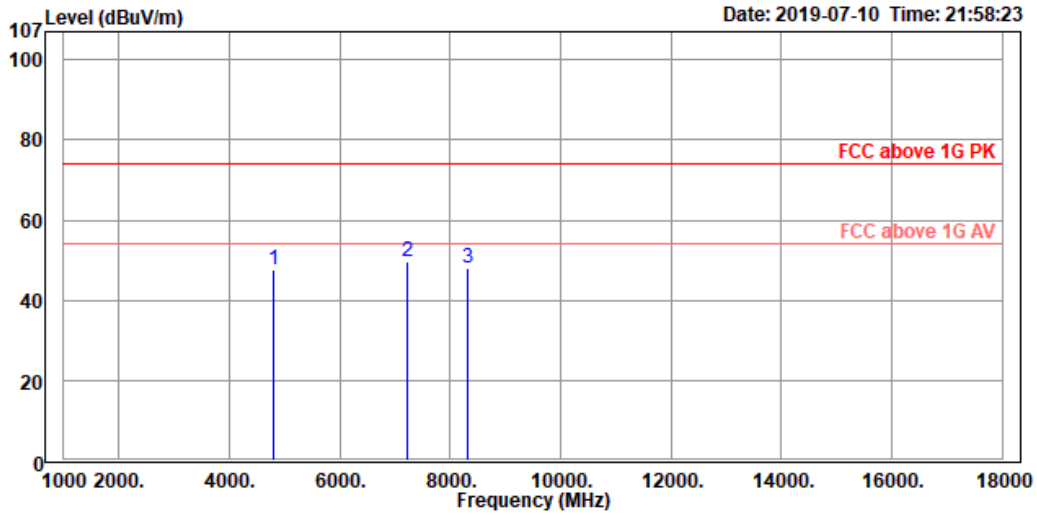
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	47.65	-8.11	39.54	74.00	-34.46	100	205	Peak	
2	2500.000	48.88	-8.15	40.73	74.00	-33.27	100	205	Peak	

# Spurious Emissions, TX Mode, 1-18G

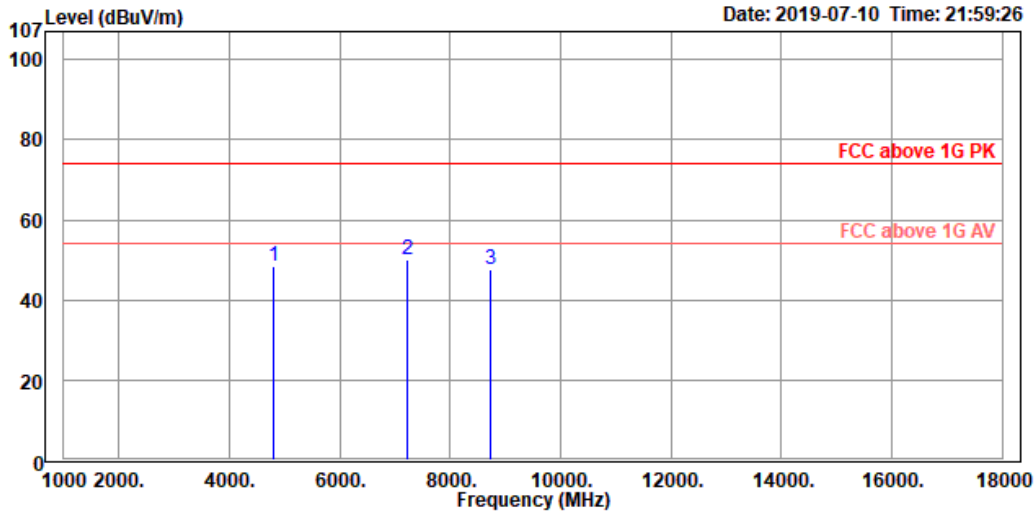


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



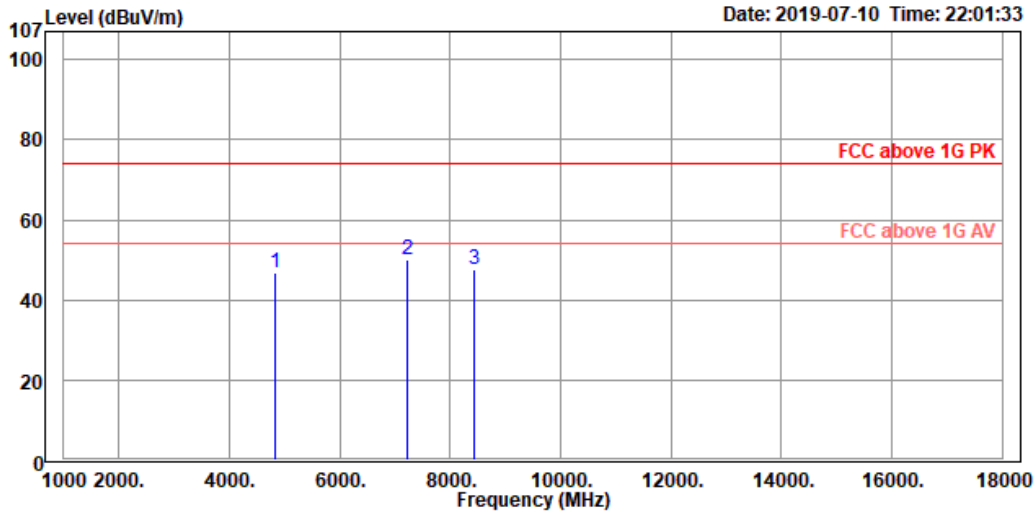
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Freq	Read	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	4808.000	50.80	-3.25	47.55	74.00	-26.45	100	182	Peak
2	7212.000	45.35	4.44	49.79	74.00	-24.21	100	129	Peak
3	8317.392	42.46	5.39	47.85	74.00	-26.15	100	80	Peak



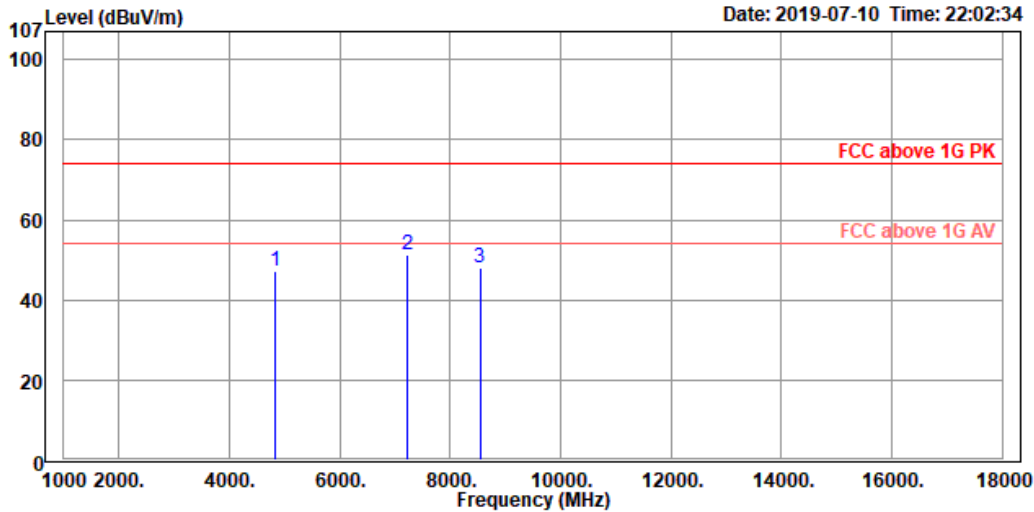
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4808.000	51.53	-3.25	48.28	74.00	-25.72	100	277	Peak	
2	7212.000	45.78	4.44	50.22	74.00	-23.78	100	83	Peak	
3	8736.231	42.07	5.67	47.74	74.00	-26.26	100	337	Peak	



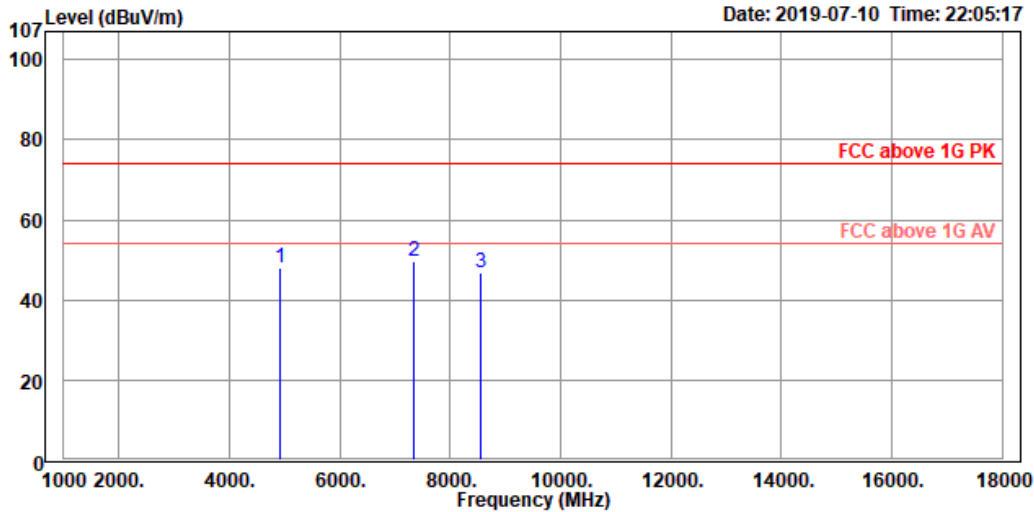
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4820.000	50.06	-3.24	46.82	74.00	-27.18	100	264	Peak	
2	7230.000	45.43	4.45	49.88	74.00	-24.12	100	127	Peak	
3	8440.580	42.21	5.51	47.72	74.00	-26.28	100	220	Peak	



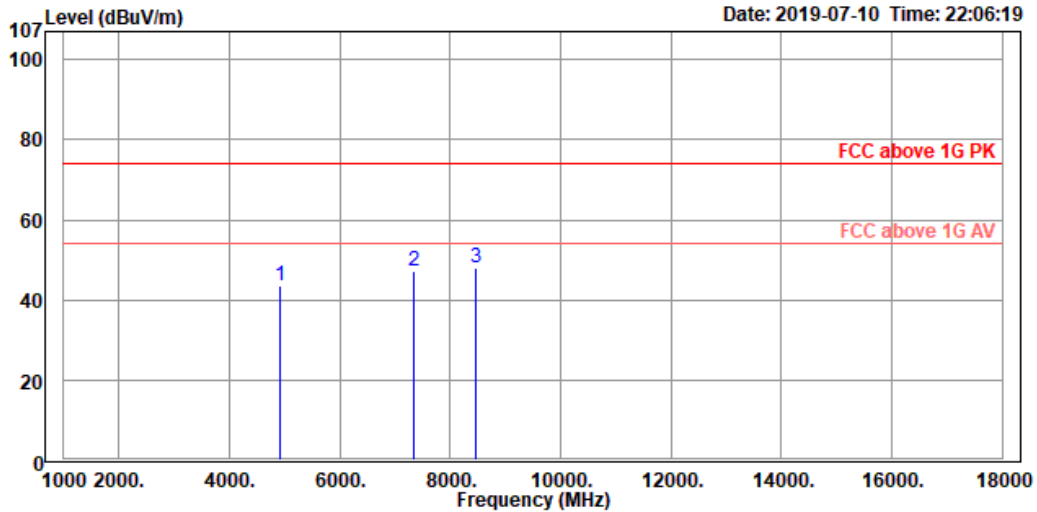
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4820.000	50.61	-3.24	47.37	74.00	-26.63	100	241	Peak	
2	7230.000	46.84	4.45	51.29	74.00	-22.71	100	87	Peak	
3	8539.131	42.49	5.67	48.16	74.00	-25.84	100	0	Peak	



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4904.000	51.16	-3.15	48.01	74.00	-25.99	100	234	Peak	
2	7356.000	44.70	4.76	49.46	74.00	-24.54	100	110	Peak	
3	8563.769	40.95	5.67	46.62	74.00	-27.38	100	36	Peak	



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

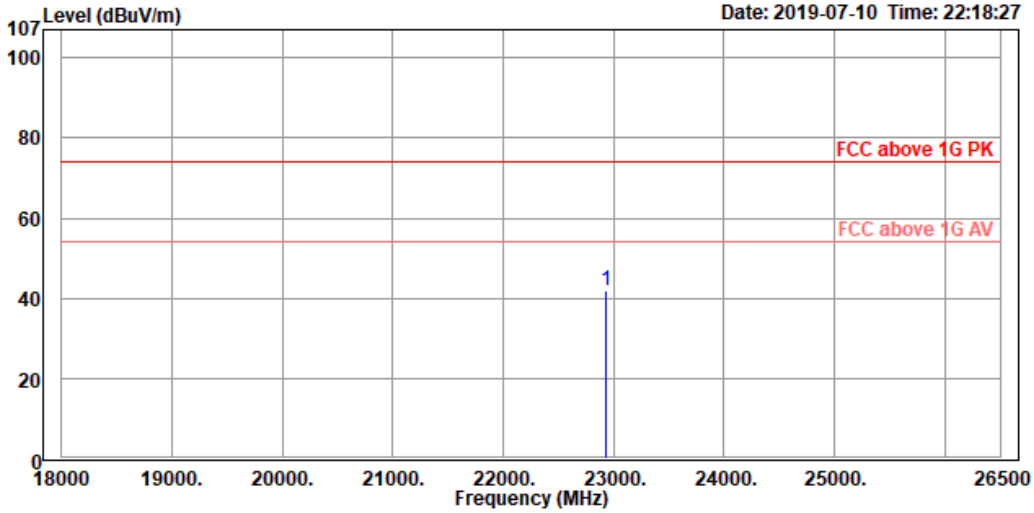
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4904.000	46.80	-3.15	43.65	74.00	-30.35	100		1 Peak	
2	7356.000	42.48	4.76	47.24	74.00	-26.76	100		190 Peak	
3	8465.218	42.32	5.55	47.87	74.00	-26.13	100		223 Peak	



# Spurious Emissions, TX Mode, 18-26G

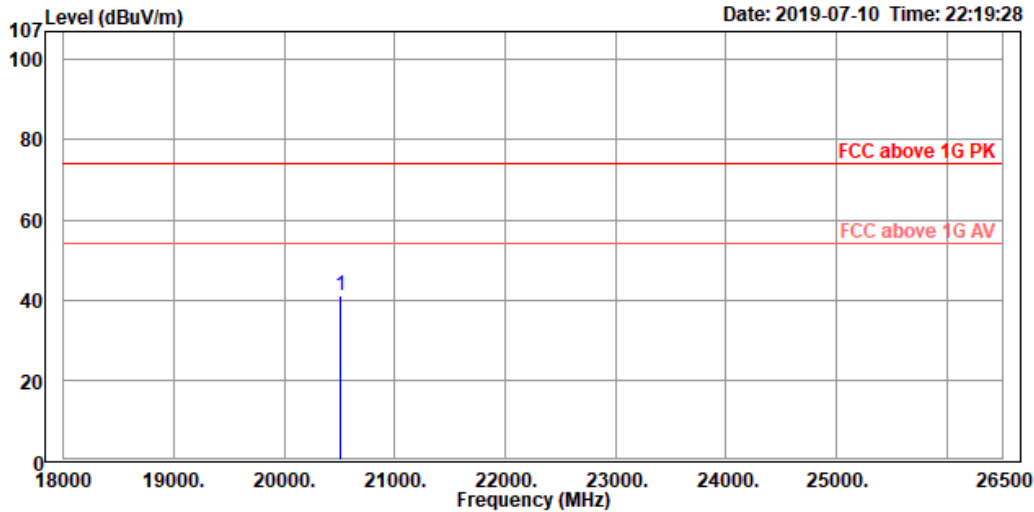


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



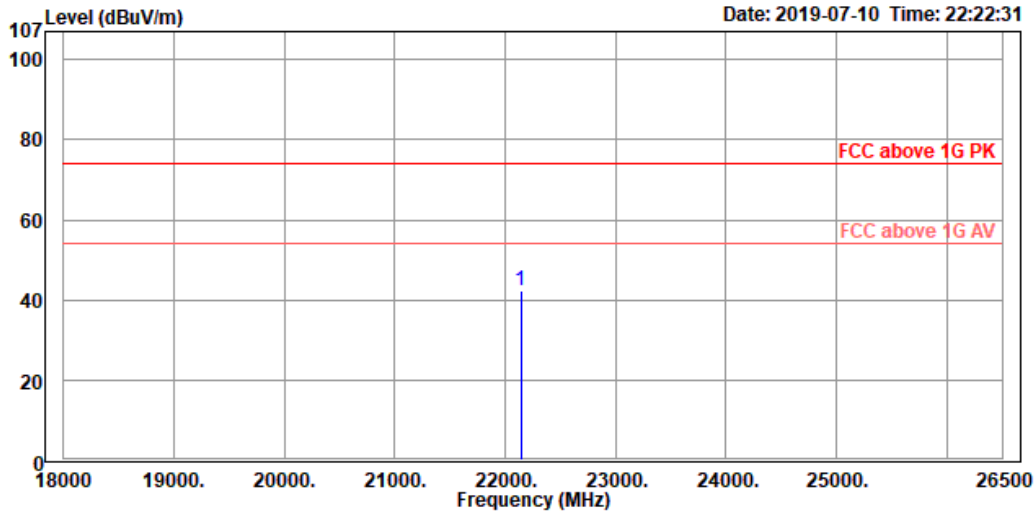
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 22927.540	41.19	0.55	41.74	74.00	-32.26	100	61	Peak



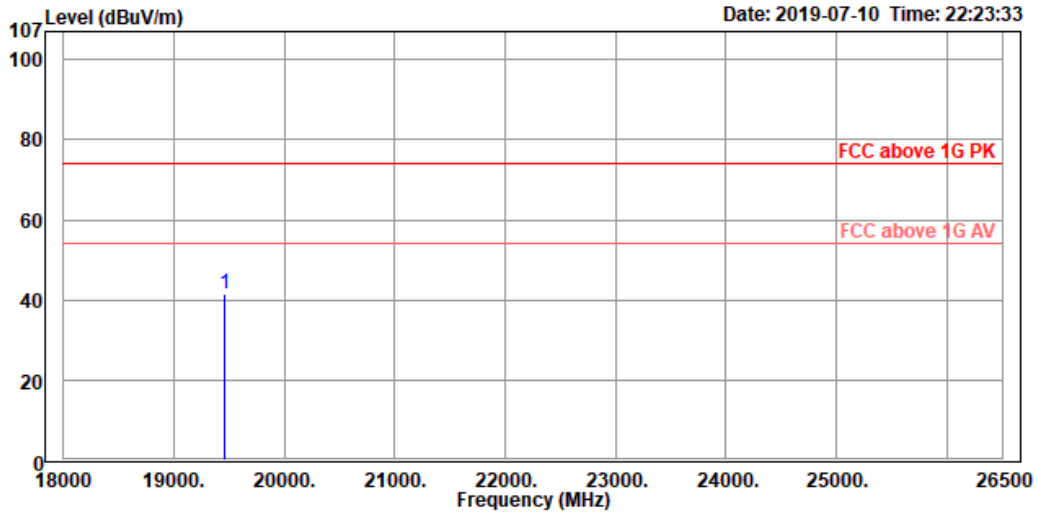
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2404  
 Memo : Z(平躺)

	Read		Limit	Over	Apos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 20500.720	42.17	-0.98	41.19	74.00	-32.81	100	304	Peak



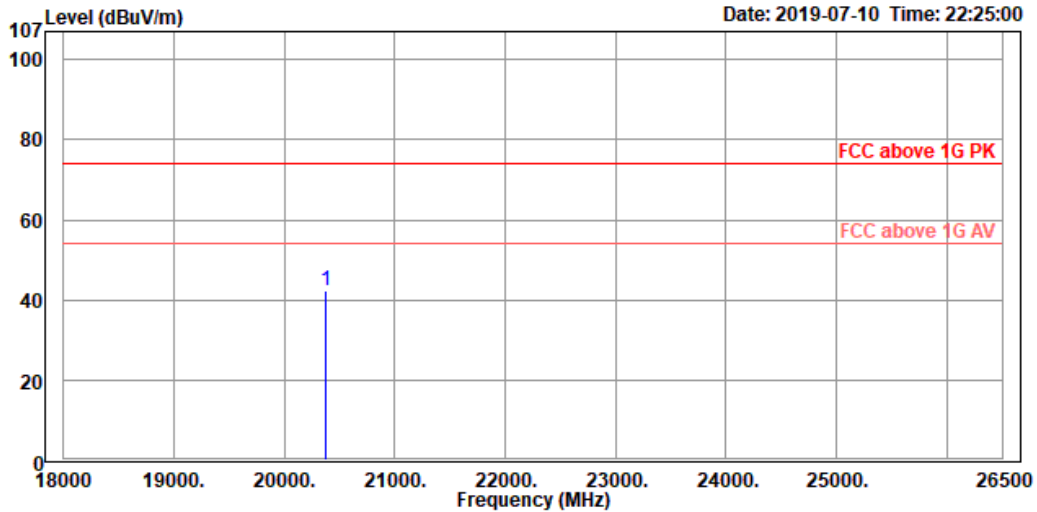
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	22139.130	42.56	-0.14	42.42	74.00	-31.58	100	27	Peak	



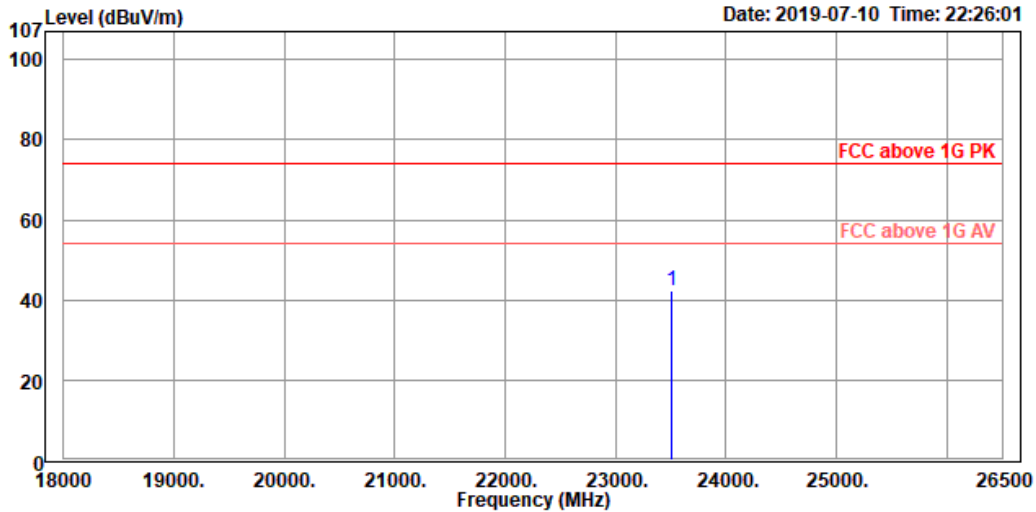
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	19453.620	44.16	-2.54	41.62	74.00	-32.38	100	54	Peak	



Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 20377.540	43.09	-0.92	42.17	74.00	-31.83	100	318 Peak



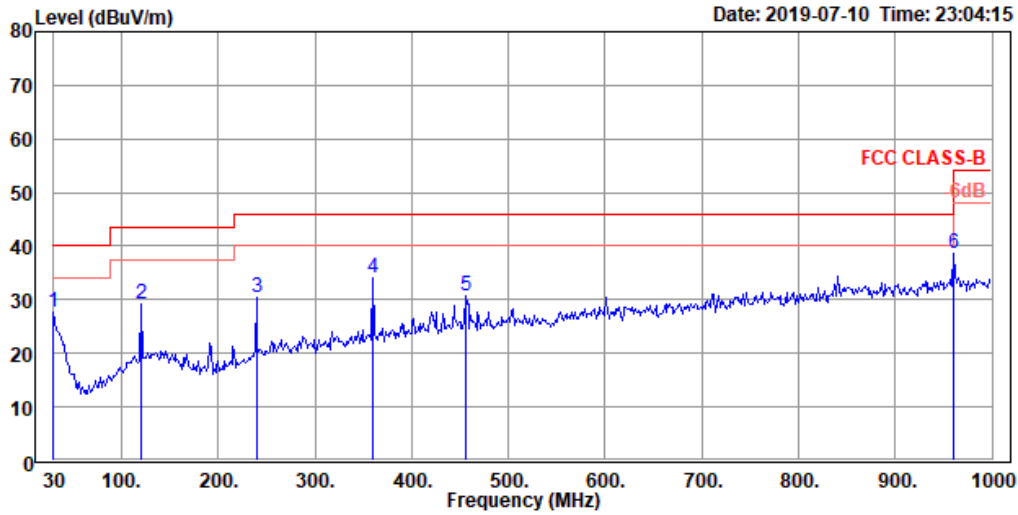
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2452  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	23506.520	41.14	1.06	42.20	74.00	-31.80	100	119	Peak	

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

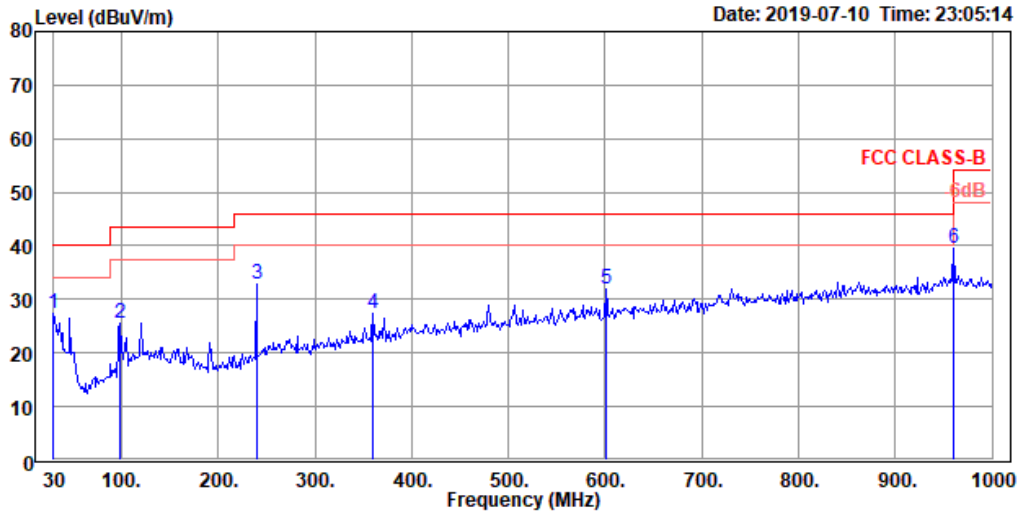


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : FCC CLASS-B 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Read Freq	Level	Factor	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	30.000	27.58	0.02	27.60	40.00	-12.40	100	354	QP	
2	119.971	36.65	-7.40	29.25	43.50	-14.25	100	272	QP	
3	239.464	37.13	-6.78	30.35	46.00	-15.65	100	344	QP	
4	360.362	37.29	-3.22	34.07	46.00	-11.93	100	79	QP	
5	455.957	32.63	-1.97	30.66	46.00	-15.34	100	67	QP	
6	960.638	33.03	5.71	38.74	54.00	-15.26	100	225	QP	



Site : 966A Chamber A  
 Condition : FCC CLASS-B 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

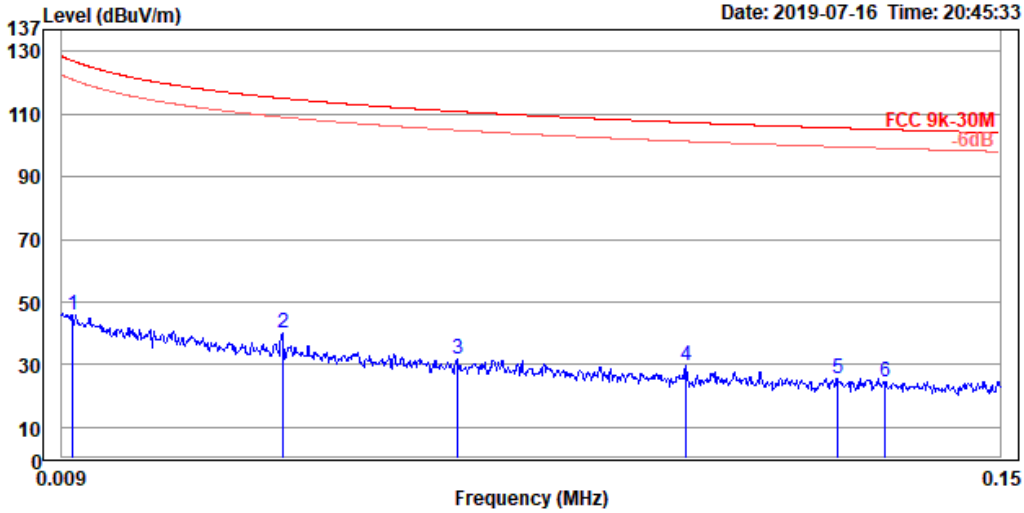
	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	30.000	27.47	0.02	27.49	40.00	-12.51	100 338 QP
2	98.884	35.35	-9.67	25.68	43.50	-17.82	100 187 QP
3	239.464	39.70	-6.78	32.92	46.00	-13.08	100 275 QP
4	360.362	30.61	-3.22	27.39	46.00	-18.61	100 360 QP
5	600.754	31.89	0.05	31.94	46.00	-14.06	100 194 QP
6	960.638	33.86	5.71	39.57	54.00	-14.43	100 165 QP



# Spurious Emissions, TX Mode, 9k-30M

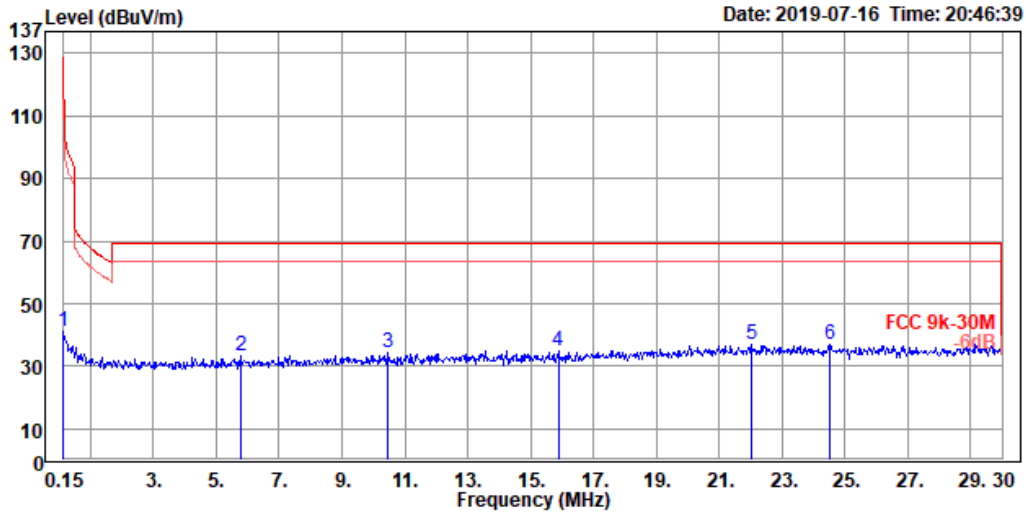


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : FCC 9k-30M 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Read Freq	Level	Factor	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.011	27.90	18.09	45.99	127.12	-81.13	100	138	QP	
2	0.042	20.93	18.92	39.85	115.10	-75.25	100	142	QP	
3	0.068	13.30	18.45	31.75	110.90	-79.15	100	103	QP	
4	0.103	11.78	17.71	29.49	107.36	-77.87	100	135	QP	
5	0.126	7.92	17.81	25.73	105.62	-79.89	100	261	QP	
6	0.133	6.78	17.84	24.62	105.13	-80.51	100	307	QP	



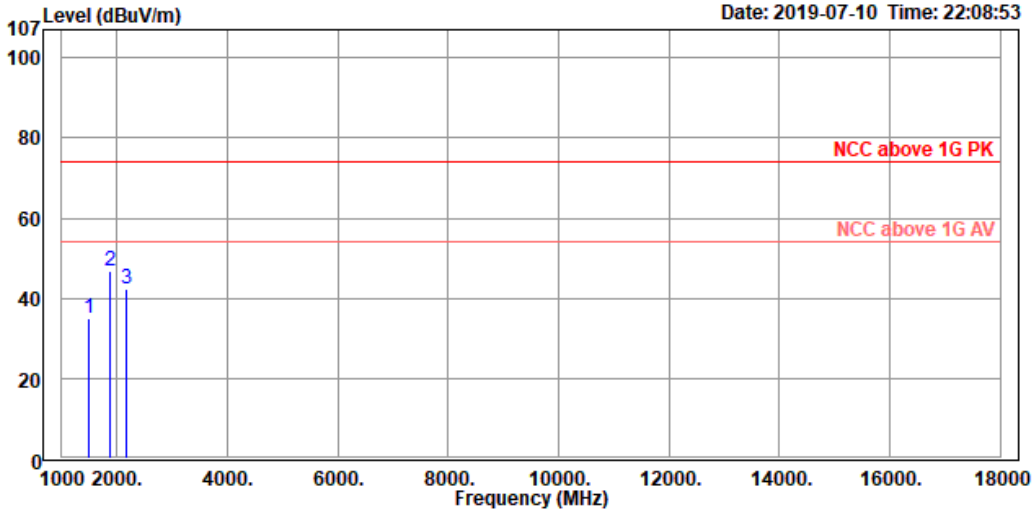
Site : 966A Chamber A  
 Condition : FCC 9k-30M 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : TX-2410  
 Memo : Z(平躺)

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	0.150	23.46	17.91	41.37	104.08	-62.71	100 5 QP
2	5.762	14.05	19.50	33.55	69.50	-35.95	100 64 QP
3	10.478	14.14	20.44	34.58	69.50	-34.92	100 308 QP
4	15.881	14.17	20.99	35.16	69.50	-34.34	100 332 QP
5	22.030	15.35	21.49	36.84	69.50	-32.66	100 291 QP
6	24.537	15.34	21.61	36.95	69.50	-32.55	100 247 QP

# Spurious Emissions, RX Mode, 1-18G

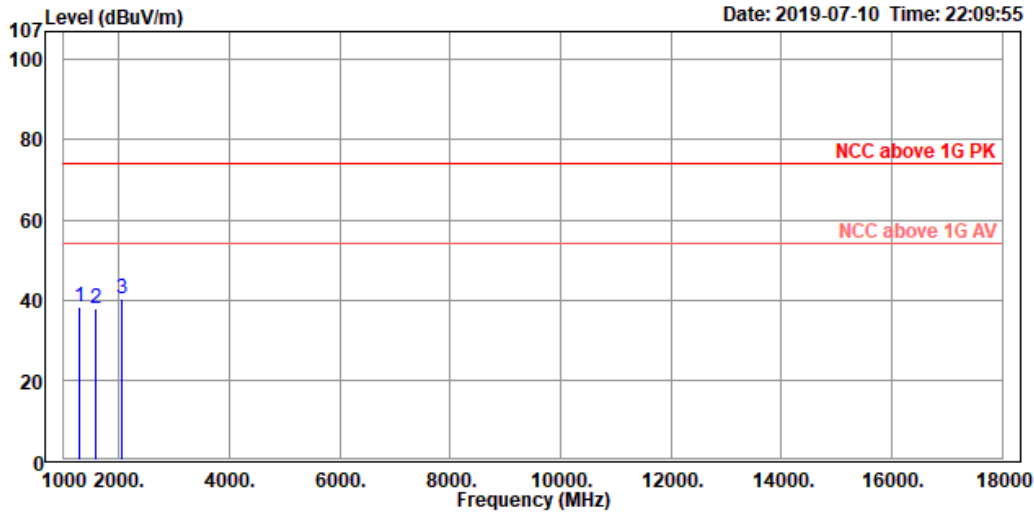


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : NCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Read			Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit			Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	1492.754	46.51	-11.56	34.95	74.00	-39.05	100	49 Peak	
2	1862.319	56.30	-9.33	46.97	74.00	-27.03	100	0 Peak	
3	2157.971	51.27	-8.92	42.35	74.00	-31.65	100	82 Peak	



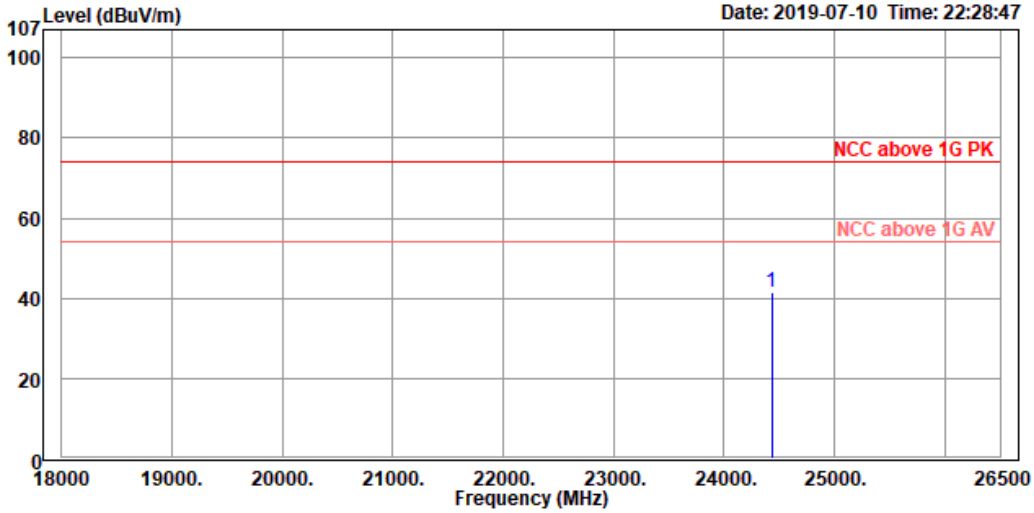
Site : 966A Chamber A  
 Condition : NCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	1271.015	48.37	-9.93	38.44	74.00	-35.56	100 350 Peak
2	1591.304	48.96	-11.22	37.74	74.00	-36.26	100 86 Peak
3	2059.420	49.18	-8.98	40.20	74.00	-33.80	100 33 Peak

# Spurious Emissions, RX Mode, 18-26G

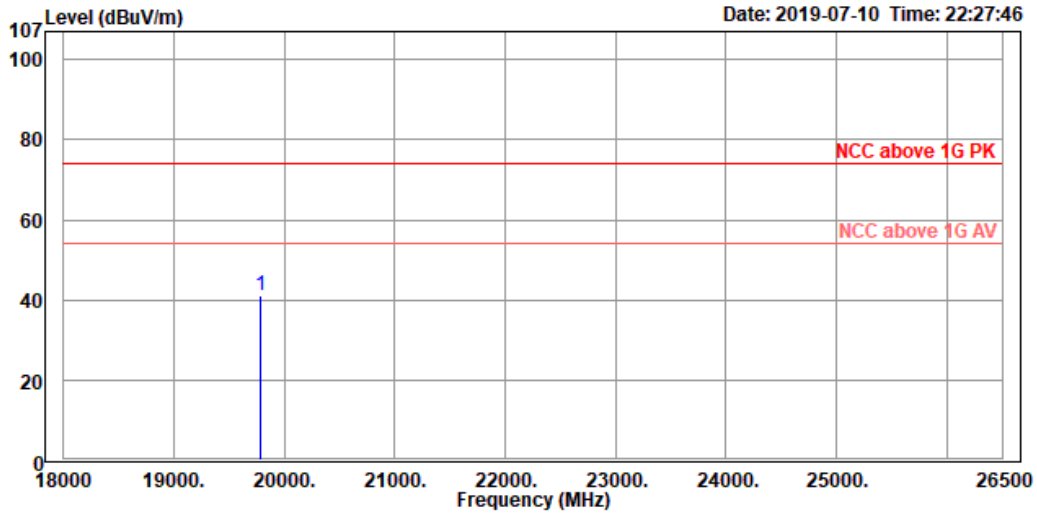


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : NCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Read		Limit	Over	APos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 24430.440	40.26	1.35	41.61	74.00	-32.39	100	86	Peak



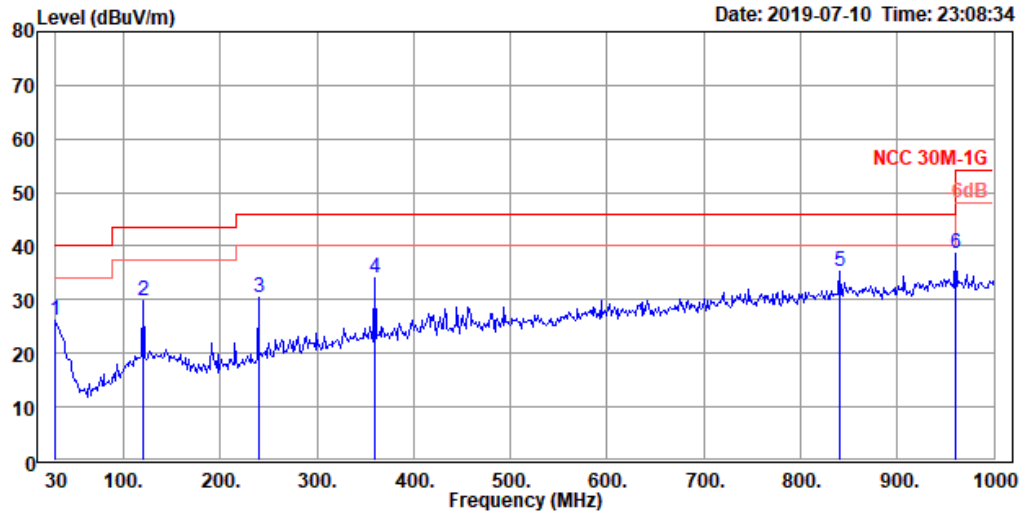
Site : 966A Chamber A  
 Condition : NCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	19786.230	43.20	-2.25	40.95	74.00	-33.05	100	27	Peak	

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

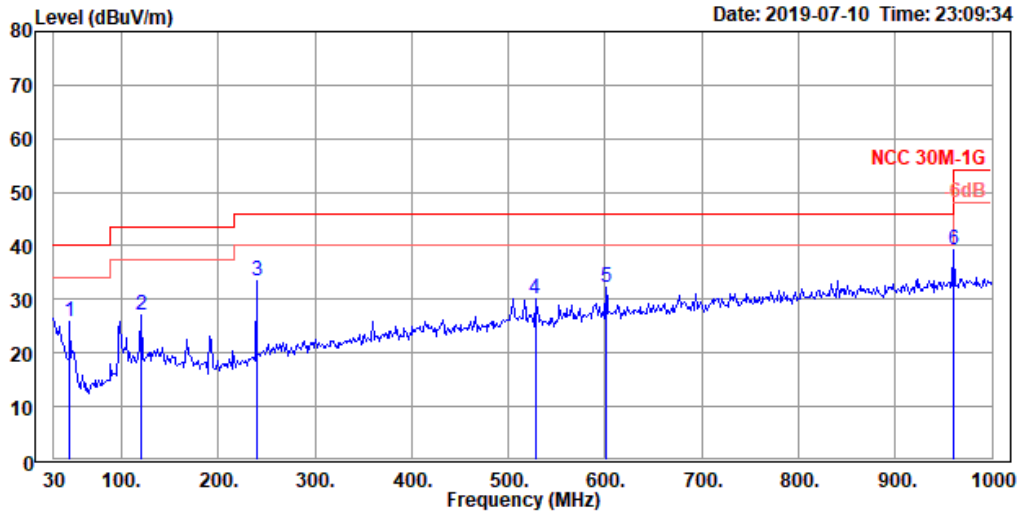


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : NCC 30M-1G 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	30.000	26.03	0.02	26.05	40.00	-13.95	100	9 QP
2	119.971	37.20	-7.40	29.80	43.50	-13.70	100	92 QP
3	239.464	37.22	-6.78	30.44	46.00	-15.56	100	299 QP
4	360.362	37.18	-3.22	33.96	46.00	-12.04	100	92 QP
5	841.145	31.81	3.54	35.35	46.00	-10.65	100	96 QP
6	960.638	32.94	5.71	38.65	54.00	-15.35	100	149 QP



Site : 966A Chamber A  
 Condition : NCC 30M-1G 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

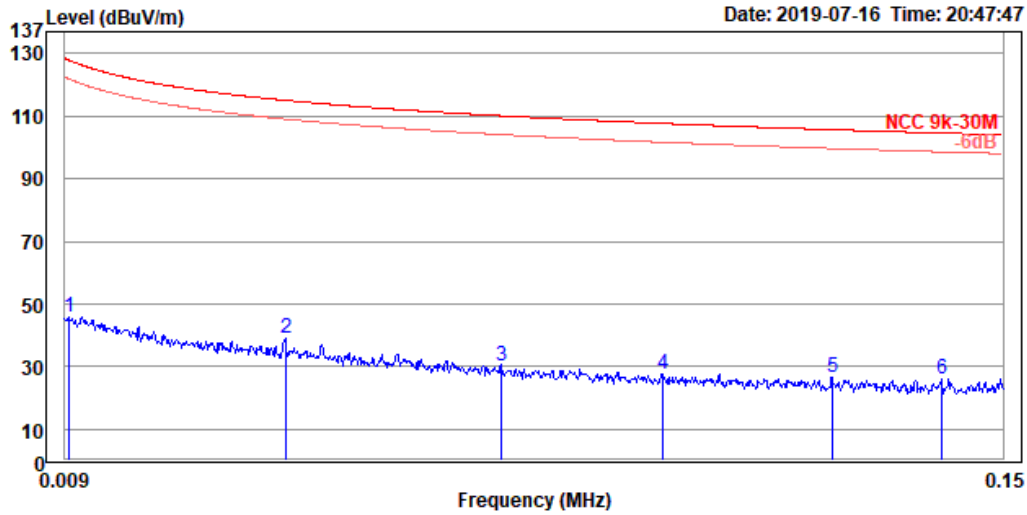
	Read	Limit	Over	Apos	TPos	Remark	Note
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	46.870	35.50	-9.55	25.95	40.00	-14.05	100 320 QP
2	119.971	34.44	-7.40	27.04	43.50	-16.46	100 182 QP
3	239.464	40.22	-6.78	33.44	46.00	-12.56	100 283 QP
4	527.652	31.11	-1.07	30.04	46.00	-15.96	100 171 QP
5	600.754	32.26	0.05	32.31	46.00	-13.69	100 209 QP
6	960.638	33.50	5.71	39.21	54.00	-14.79	100 158 QP



# Spurious Emissions, RX Mode, 9k-30M

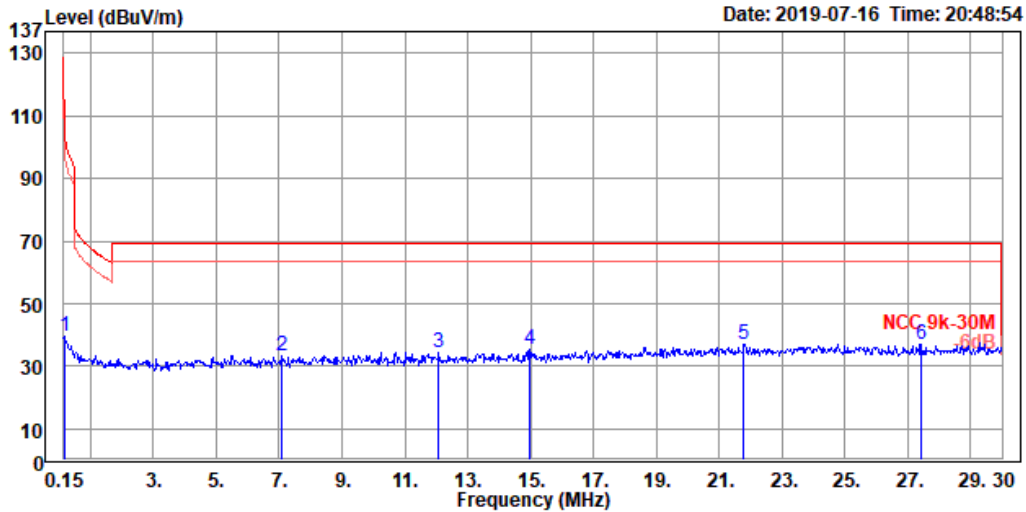


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A  
 Condition : NCC 9k-30M 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Freq	Read	Factor	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.010	27.93	18.04	45.97	127.85	-81.88	100	179	QP	
2	0.042	19.91	18.92	38.83	115.10	-76.27	100	163	QP	
3	0.075	11.99	18.30	30.29	110.13	-79.84	100	288	QP	
4	0.099	9.88	17.73	27.61	107.69	-80.08	100	56	QP	
5	0.124	8.59	17.80	26.39	105.71	-79.32	100	239	QP	
6	0.141	8.30	17.87	26.17	104.63	-78.46	100	198	QP	



Site : 966A Chamber A  
 Condition : NCC 9k-30M 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Radio Switch  
 Model No. : 21P5020,23P5020  
 Test Rating : 3 Vdc  
 Tmp/Hum : 22°C/51%  
 Power Setting: NA(default)  
 Mode : RX-2410  
 Memo : Z(平躺)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.180	21.32	18.04	39.36	102.50	-63.14	100	217	QP	
2	7.105	13.59	19.79	33.38	69.50	-36.12	100	97	QP	
3	12.090	13.74	20.61	34.35	69.50	-35.15	100	88	QP	
4	14.985	14.29	20.90	35.19	69.50	-34.31	100	336	QP	
5	21.791	15.47	21.48	36.95	69.50	-32.55	100	20	QP	
6	27.433	15.20	21.74	36.94	69.50	-32.56	100	43	QP	