

Test Report No.60390718 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 60390718 001Appendix D)

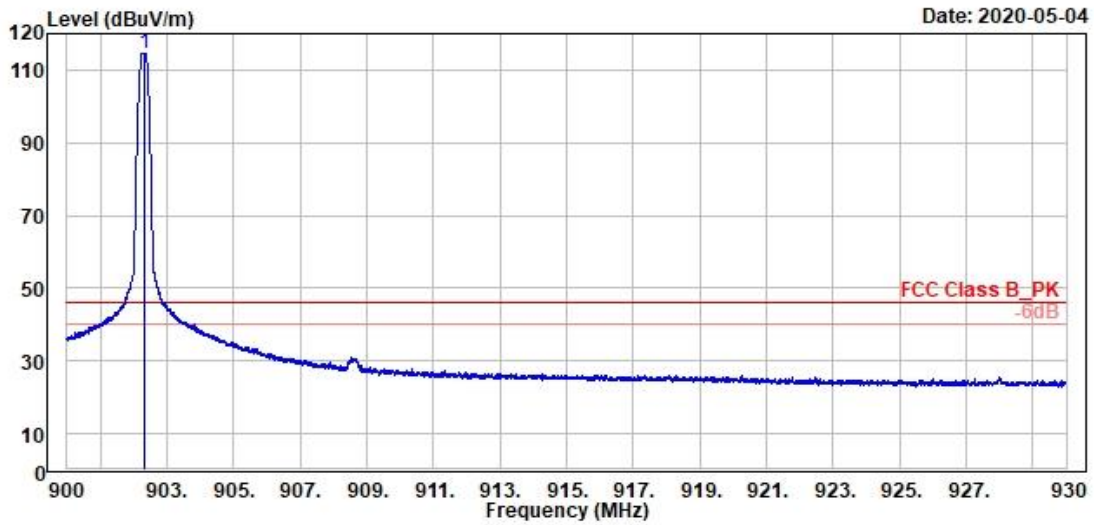
Contents

Spurious Emissions, Band Edges, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)	3
Spurious Emissions, TX Mode, 9kHz-30MHz, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)	15
Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)	19
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)	25
Spurious Emissions, Band Edges, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034).....	31
Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034)	35
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034)	37
Spurious Emissions, Band Edges, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)	39
Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)	43
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)	45
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089U0 (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)	47
Spurious Emissions, AC Mains	53

Spurious Emissions, Band Edges, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)

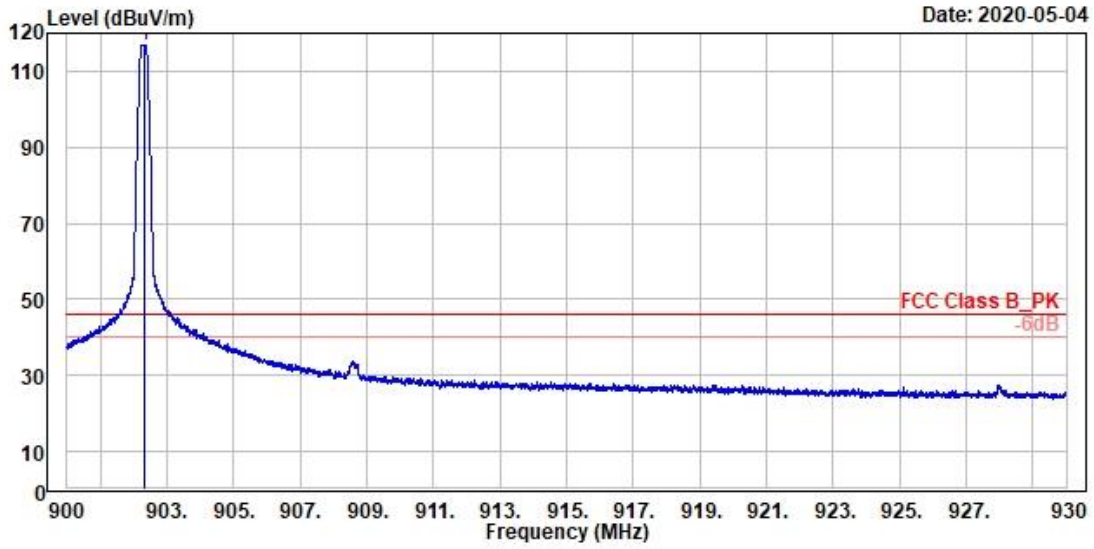


TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



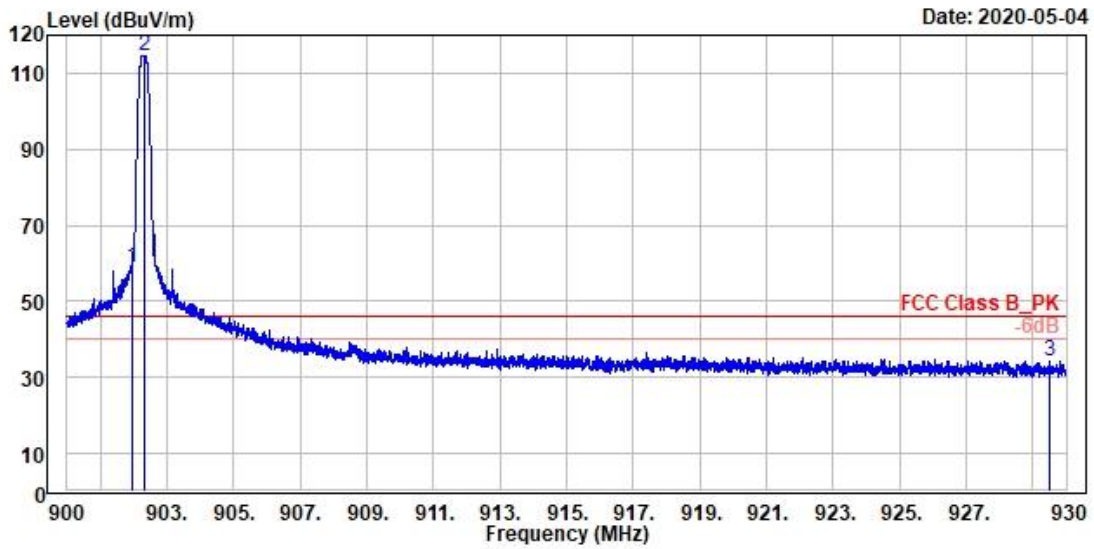
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	902.30	114.53	110.41	4.12	46.00	68.53	100	11 Average	Horizontal	

Note: non-restriction band



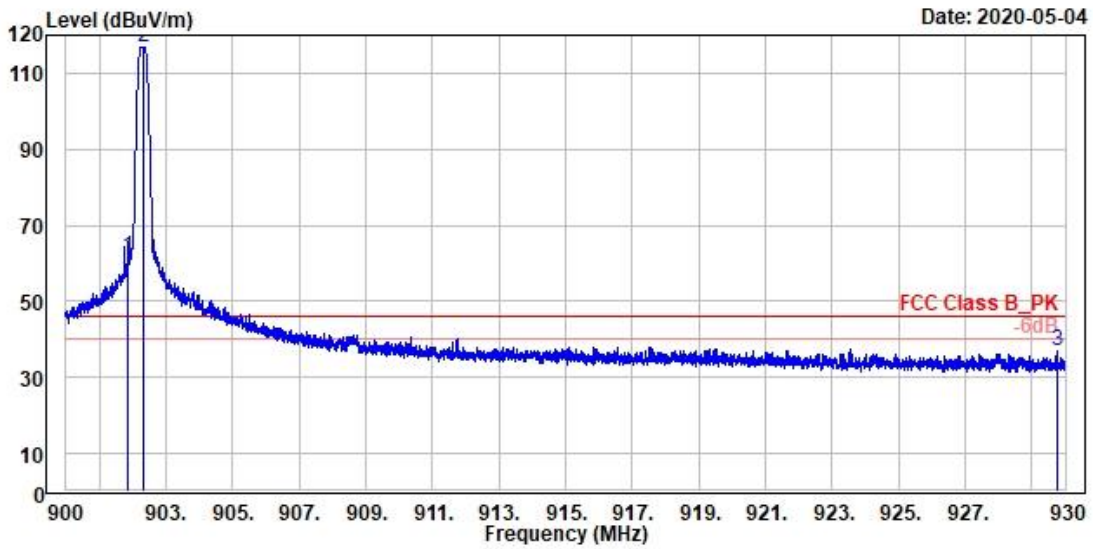
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	902.30	117.03	112.91	4.12	46.00	71.03	100	295	Average	Vertical	

Note: non-restriction band



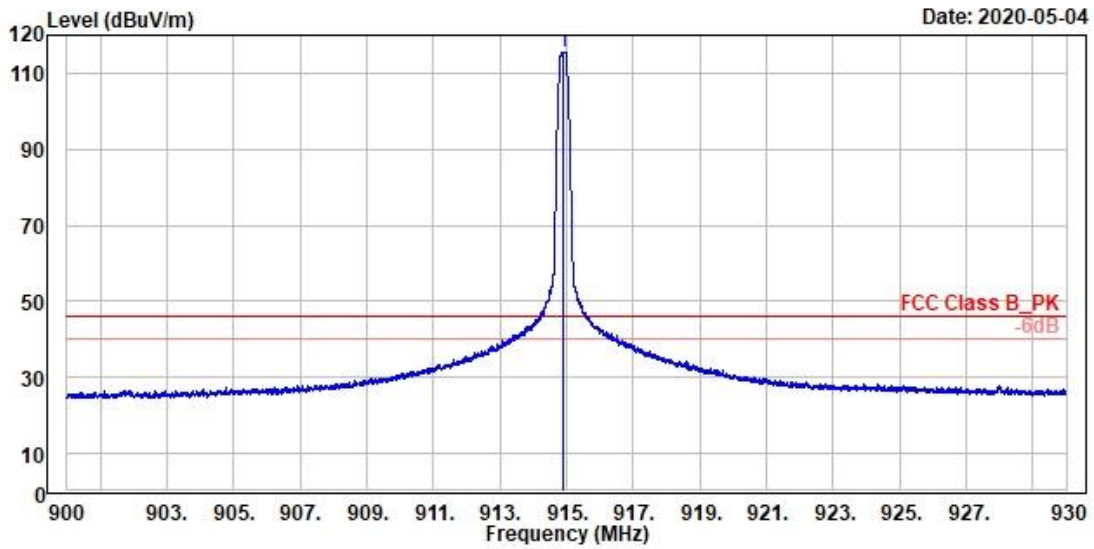
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	901.98	59.01	54.90	4.11	46.00	13.01	100	11	QP	Horizontal	
2 *	902.30	114.37	110.25	4.12	46.00	68.37	100	11	Peak	Horizontal	
3	929.50	34.44	29.74	4.70	46.00	-11.56	100	11	QP	Horizontal	

Note: non-restriction band



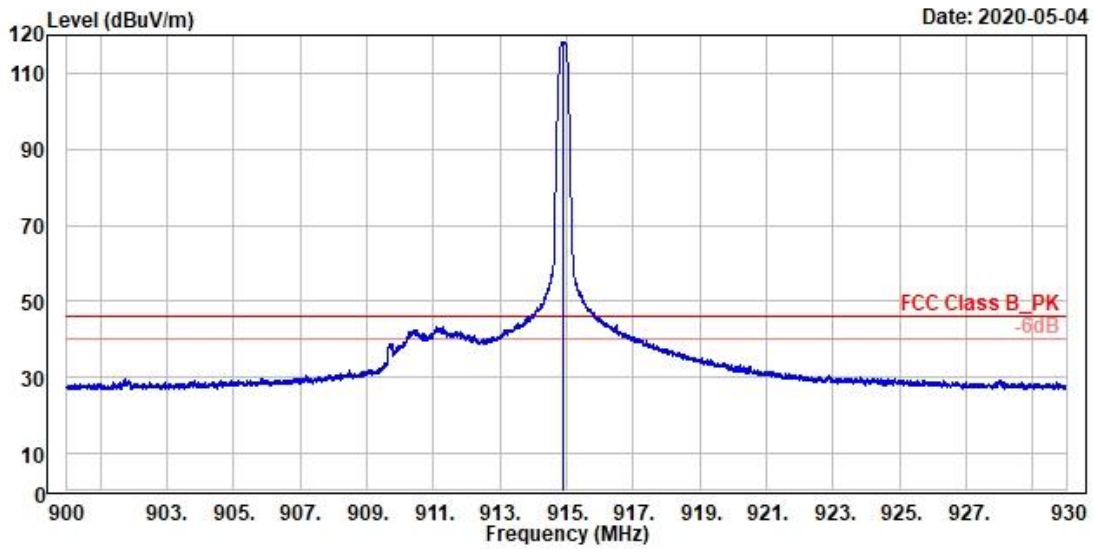
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	901.84	61.41	57.30	4.11	46.00	15.41	100	295 QP		Vertical	
2 *	902.30	116.88	112.76	4.12	46.00	70.88	100	295 Peak		Vertical	
3	929.75	36.97	32.26	4.71	46.00	-9.03	100	295 QP		Vertical	

Note: non-restriction band



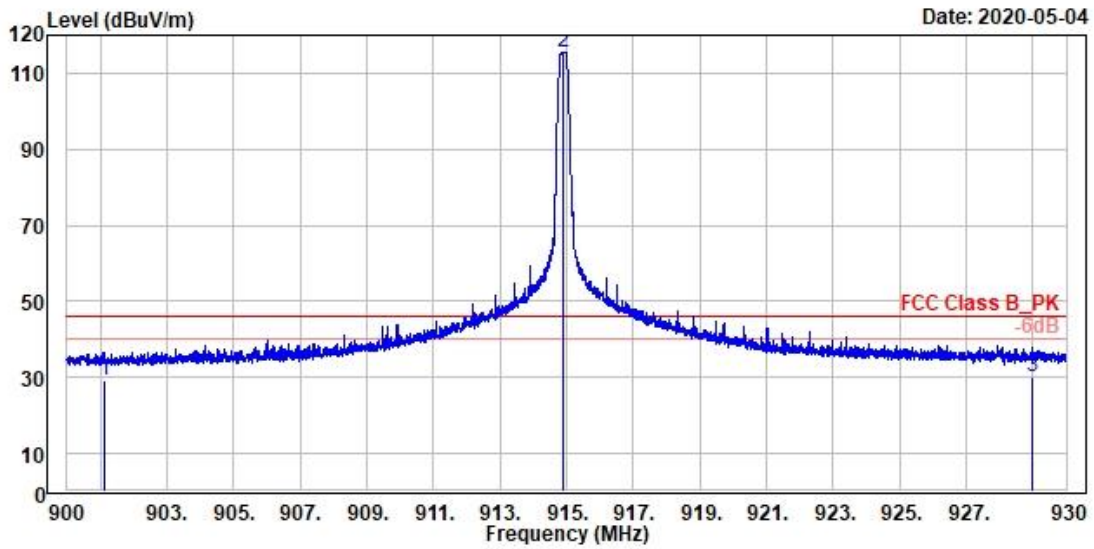
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	914.90	115.62	111.18	4.44	46.00	69.62	100	174	Average	Horizontal	

Note: non-restriction band



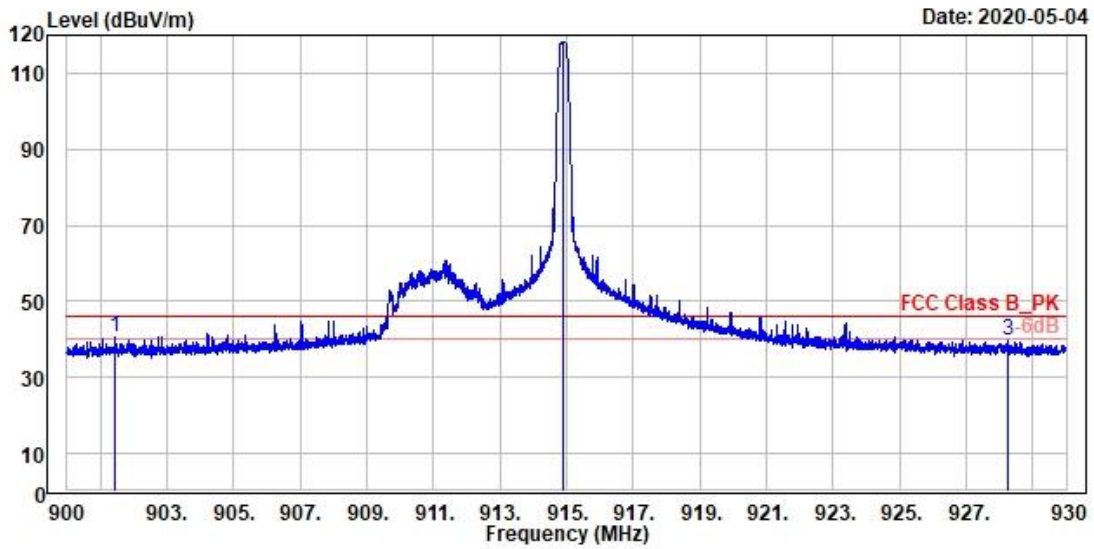
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	914.90	118.21	113.77	4.44	46.00	72.21	118	231	Average	Vertical	

Note: non-restriction band



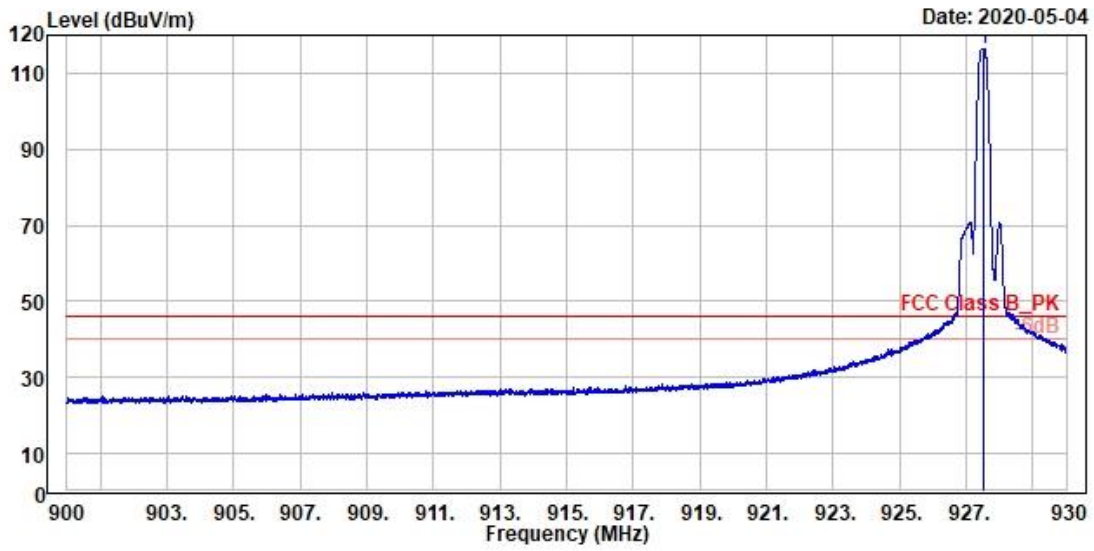
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	901.10	29.09	25.01	4.08	46.00	-16.91	100	174	QP	Horizontal	
2 *	914.90	115.46	111.02	4.44	46.00	69.46	100	174	Peak	Horizontal	
3	929.00	30.10	25.40	4.70	46.00	-15.90	100	174	QP	Horizontal	

Note: non-restriction band



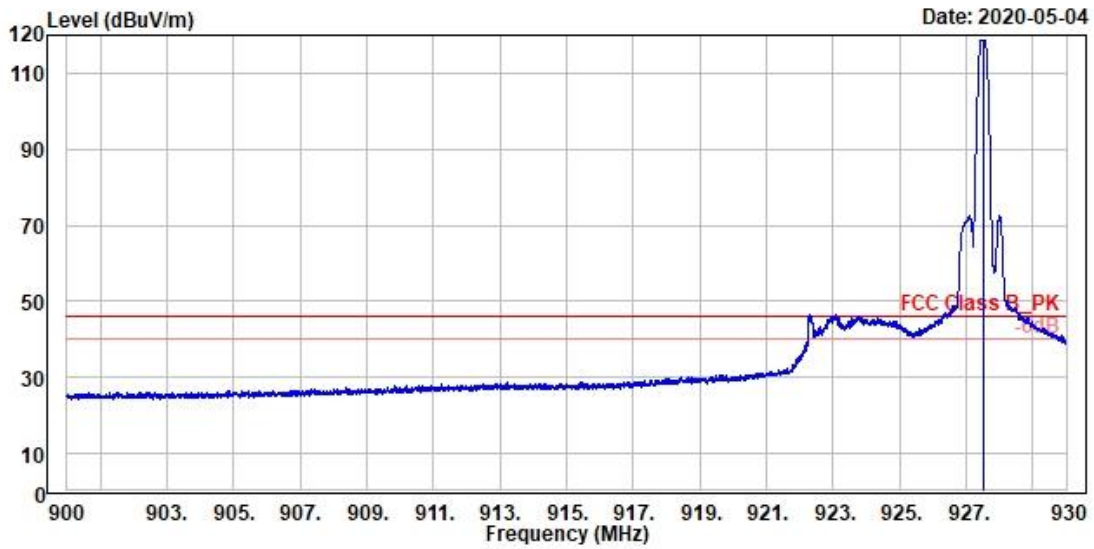
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	901.44	40.57	36.48	4.09	46.00	-5.43	118	231	QP	Vertical	
2 *	914.90	118.08	113.64	4.44	46.00	72.08	118	231	Peak	Vertical	
3	928.26	39.64	34.95	4.69	46.00	-6.36	118	231	QP	Vertical	

Note: non-restriction band



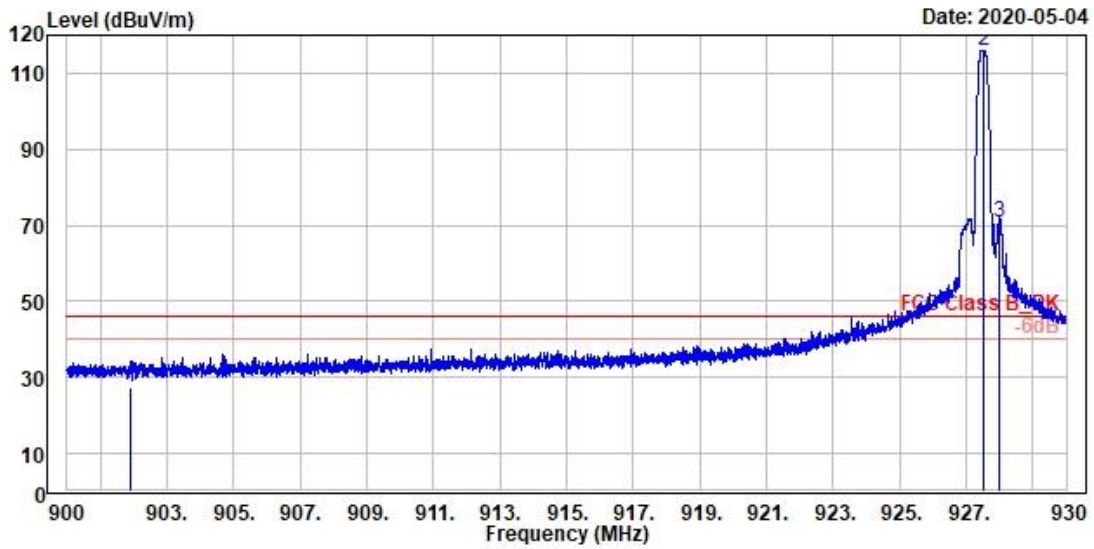
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	927.50	116.28	111.60	4.68	46.00	70.28	100	171	Average	Horizontal	

Note: non-restriction band



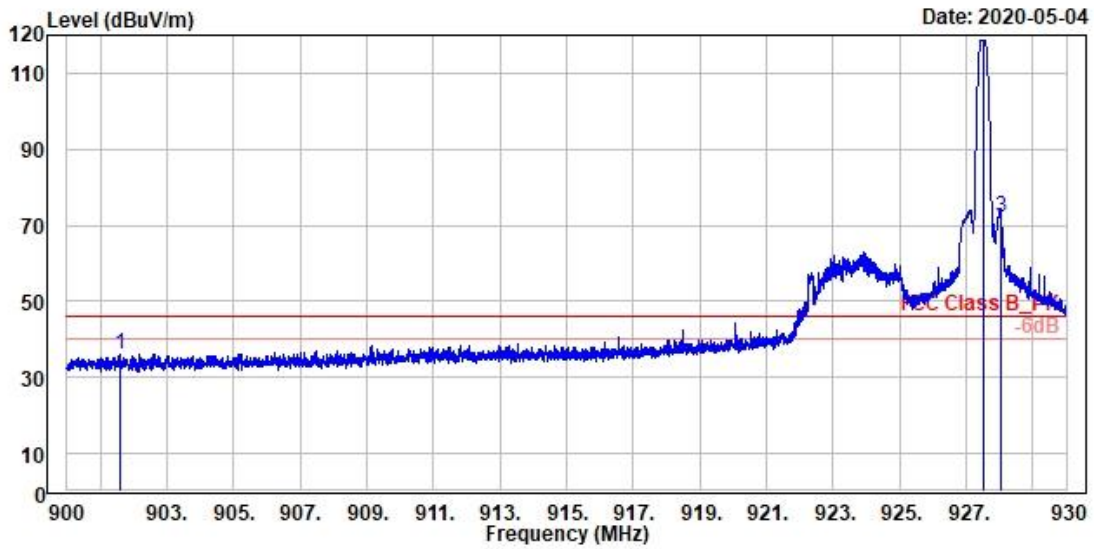
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	927.50	118.71	114.03	4.68	46.00	72.71	110	303	Average	Vertical	

Note: non-restriction band



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	901.93	27.21	23.10	4.11	46.00	-18.79	100	171	QP	Horizontal	
2 *	927.50	116.07	111.39	4.68	46.00	70.07	100	171	Peak	Horizontal	
3 *	928.00	70.89	66.20	4.69	46.00	24.89	100	171	QP	Horizontal	

Note: non-restriction band



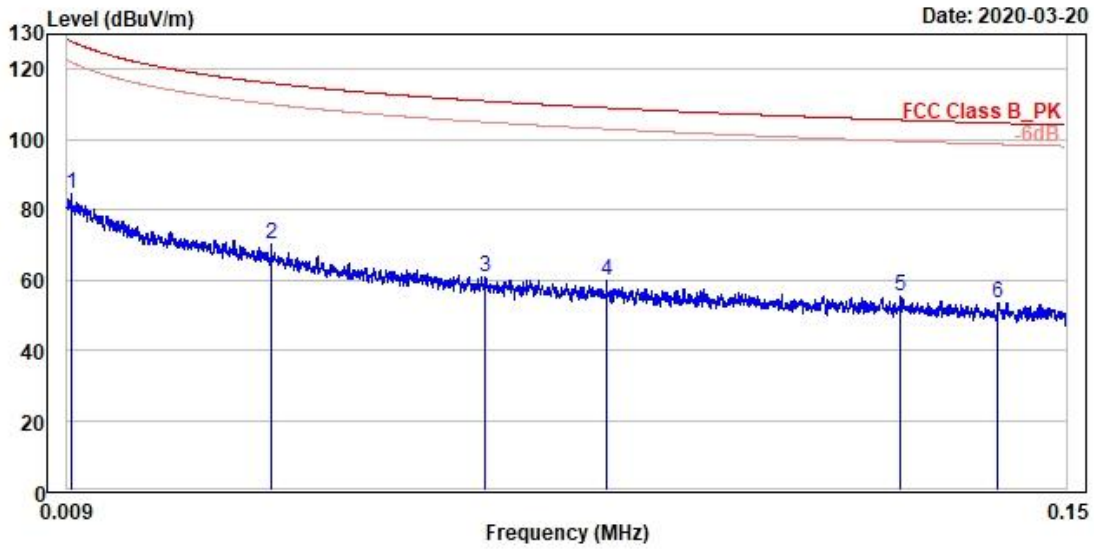
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	901.60	36.01	31.91	4.10	46.00	-9.99	110	303	QP	Vertical	
2 *	927.50	118.47	113.79	4.68	46.00	72.47	110	303	Peak	Vertical	
3 *	928.02	72.29	67.60	4.69	46.00	26.29	110	303	QP	Vertical	

Note: non-restriction band

**Spurious Emissions, TX Mode, 9kHz-30MHz, WLR089UC with External Antenna
(RFA-S1-C55H1-150D034)**

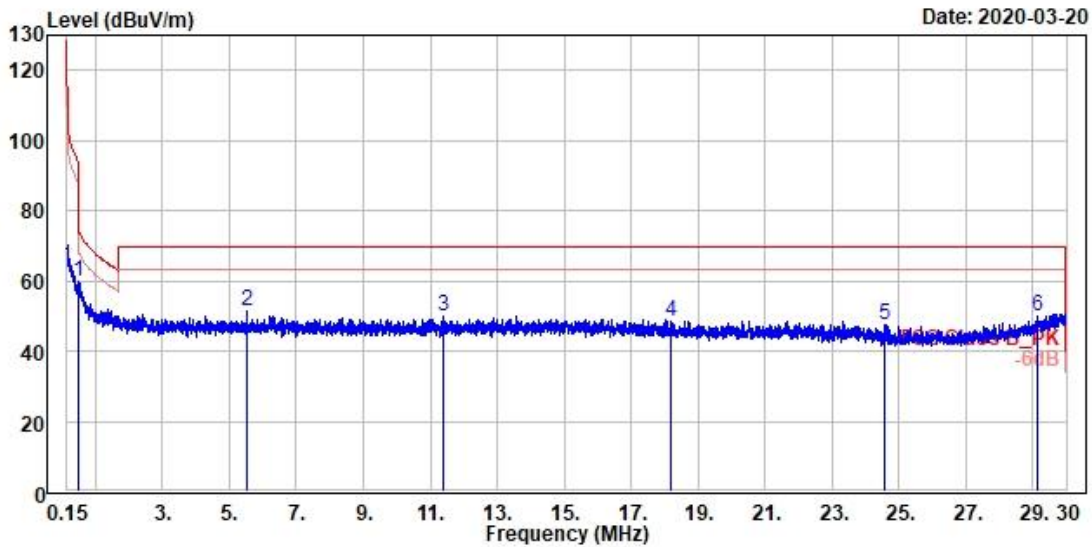


TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



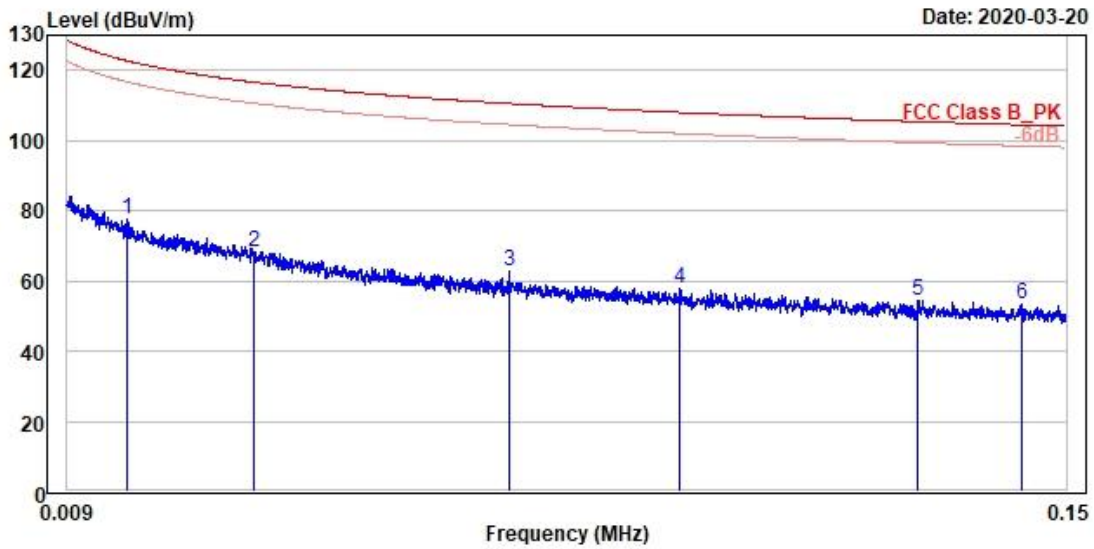
Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : SAMR34M
Model NO : WLR089U
Test Rating : 5Vdc
Tmp/Hum : 21.7°C/50.9%
Mode : RX_902.3MHz_Hybrid Mode(125k)
Power setting: 20/sf10
: 2020/02/26 New Sample

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.010	84.35	5.01	79.34	127.99	-43.64	100	212	QP
2	0.038	70.26	2.02	68.24	116.03	-45.77	100	306	QP
3	0.068	61.04	-1.56	62.60	110.94	-49.90	100	329	QP
4	0.085	59.62	-1.22	60.84	108.99	-49.37	100	170	QP
5	0.127	55.49	-2.21	57.70	105.55	-50.06	100	292	QP
6	0.140	53.58	-3.33	56.91	104.65	-51.07	100	242	QP



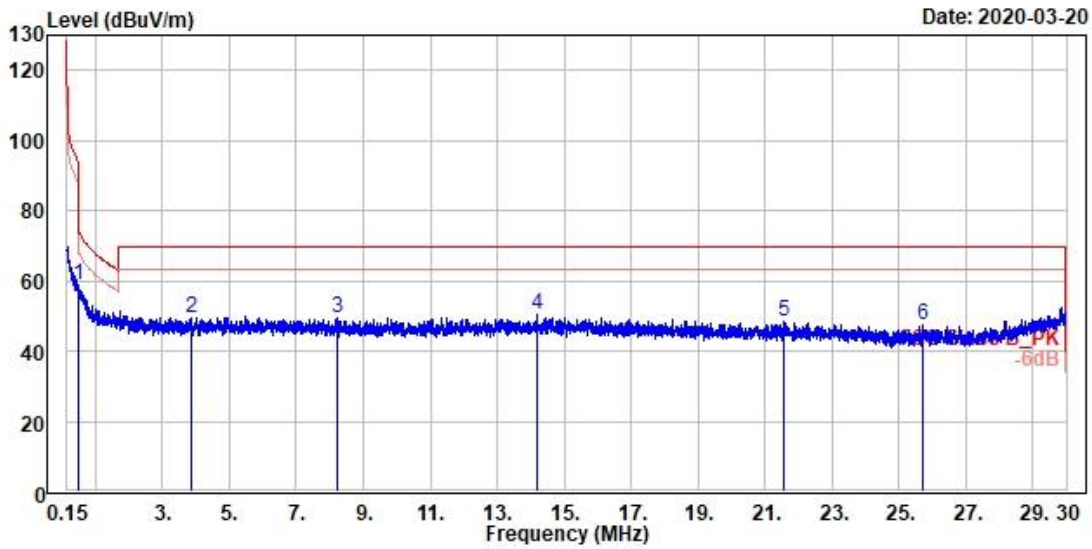
Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Simon Tsai
 Product : SAMR34M
 Model NO : WLR089U
 Test Rating : 5Vdc
 Tmp/Hum : 21.7°C/50.9%
 Mode : RX_902.3MHz_Hybrid Mode(125k)
 Power setting: 20/sf10
 : 2020/02/26 New Sample

	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	0.511	59.68	13.10	46.58	73.43	-13.75	100	59	QP	
2	5.532	51.46	13.11	38.35	69.50	-18.04	100	177	QP	
3	11.406	49.95	12.71	37.24	69.50	-19.55	100	330	QP	
4	18.209	48.68	11.91	36.77	69.50	-20.82	100	358	QP	
5	24.564	47.46	13.08	34.38	69.50	-22.04	100	2	QP	
6	29.152	50.05	12.43	37.62	69.50	-19.45	100	4	QP	



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Simon Tsai
 Product : SAMR34M
 Model NO : WLR089U
 Test Rating : 5Vdc
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_902.3MHz_Hybrid Mode(125k)
 Power setting: 20/sf10
 : 2020/02/26 New Sample

	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	0.018	77.69	3.59	74.10	122.72	-45.03	100	256	QP	
2	0.035	68.23	-0.77	69.00	116.60	-48.37	100	250	QP	
3	0.071	62.71	0.51	62.20	110.52	-47.81	100	360	QP	
4	0.096	57.78	-2.00	59.78	107.99	-50.21	100	118	QP	
5	0.129	54.25	-3.31	57.56	105.38	-51.13	100	64	QP	
6	0.144	53.34	-3.37	56.71	104.44	-51.10	100	98	QP	



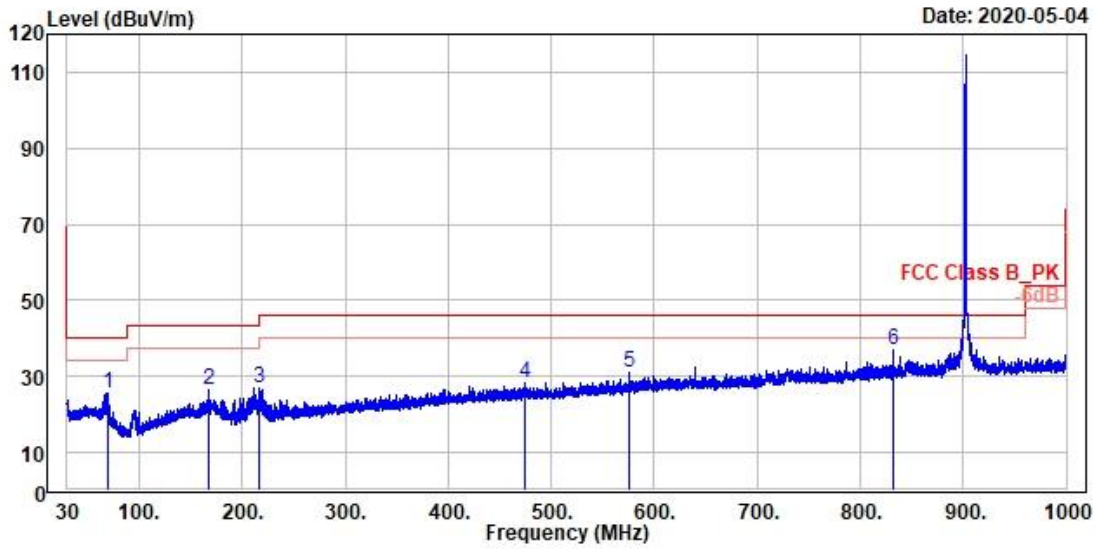
Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Simon Tsai
 Product : SAMR34M
 Model NO : WLR089U
 Test Rating : 5Vdc
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_902.3MHz_Hybrid Mode(125k)
 Power setting: 20/sf10
 : 2020/02/26 New Sample

	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	0.481	59.04	11.98	47.06	93.95	-34.91	100	335	QP	
2	3.839	49.58	11.27	38.31	69.50	-19.92	100	0	QP	
3	8.245	49.49	11.48	38.01	69.50	-20.01	100	118	QP	
4	14.197	50.25	12.61	37.64	69.50	-19.25	100	199	QP	
5	21.585	48.46	12.51	35.95	69.50	-21.04	100	144	QP	
6	25.717	47.51	13.30	34.21	69.50	-21.99	100	345	QP	

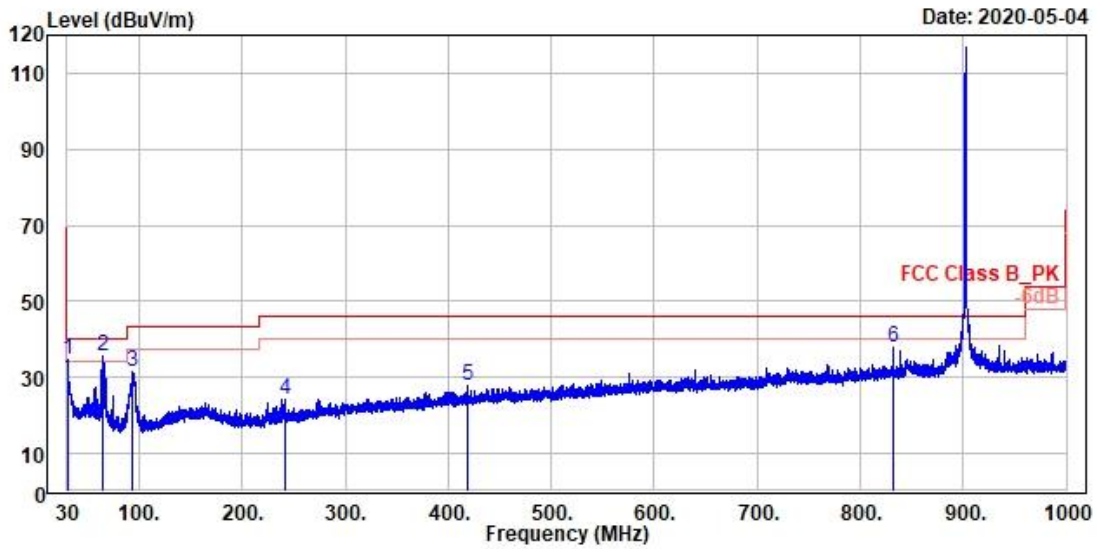
Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)



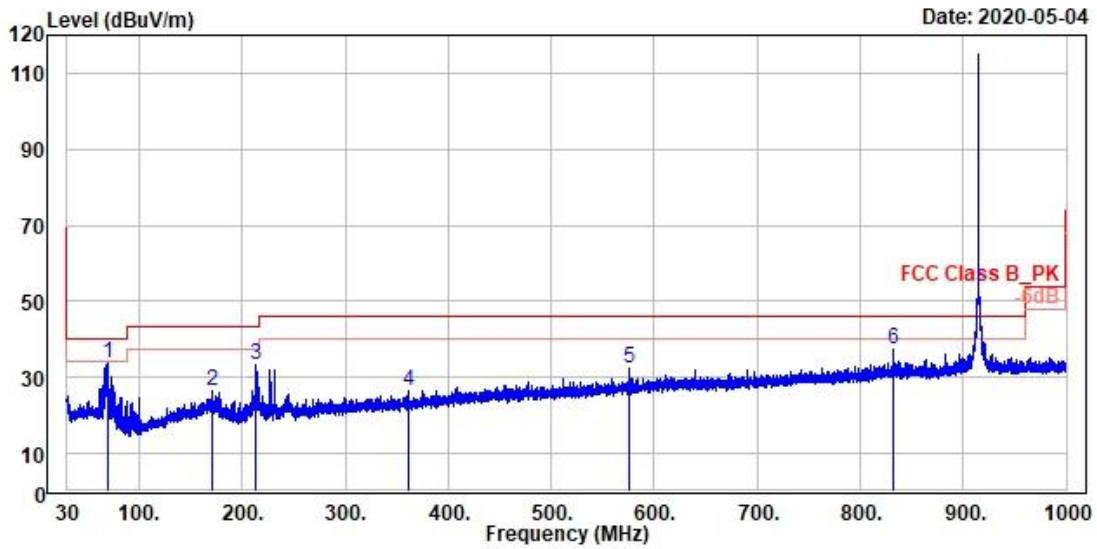
TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	68.90	25.75	33.95	-8.20	40.00	-14.25	100	255	QP	horizontal	
2	167.64	26.52	32.48	-5.96	43.50	-16.98	400	350	QP	horizontal	
3	215.95	27.07	35.46	-8.39	43.50	-16.43	100	174	QP	horizontal	
4	474.07	28.12	30.28	-2.16	46.00	-17.88	202	0	QP	horizontal	
5	576.01	31.23	31.67	-0.44	46.00	-14.77	165	360	QP	horizontal	
6	832.00	36.80	33.56	3.24	46.00	-9.20	114	360	QP	horizontal	

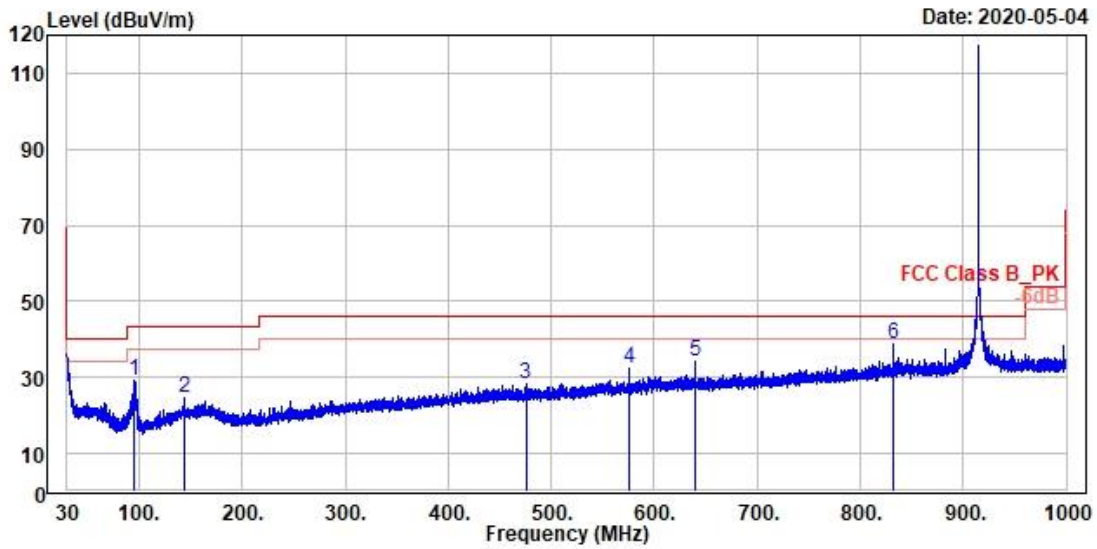


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	30.19	34.85	42.74	-7.89	40.00	-5.15	100	146	QP	vertical	
2 !	64.82	35.52	43.01	-7.49	40.00	-4.48	100	86	QP	vertical	
3	93.83	31.67	43.74	-12.07	43.50	-11.83	100	92	QP	vertical	
4	241.07	24.25	31.08	-6.83	46.00	-21.75	200	124	QP	vertical	
5	418.68	28.04	30.85	-2.81	46.00	-17.96	100	124	QP	vertical	
6	832.00	37.93	34.69	3.24	46.00	-8.07	130	360	QP	vertical	

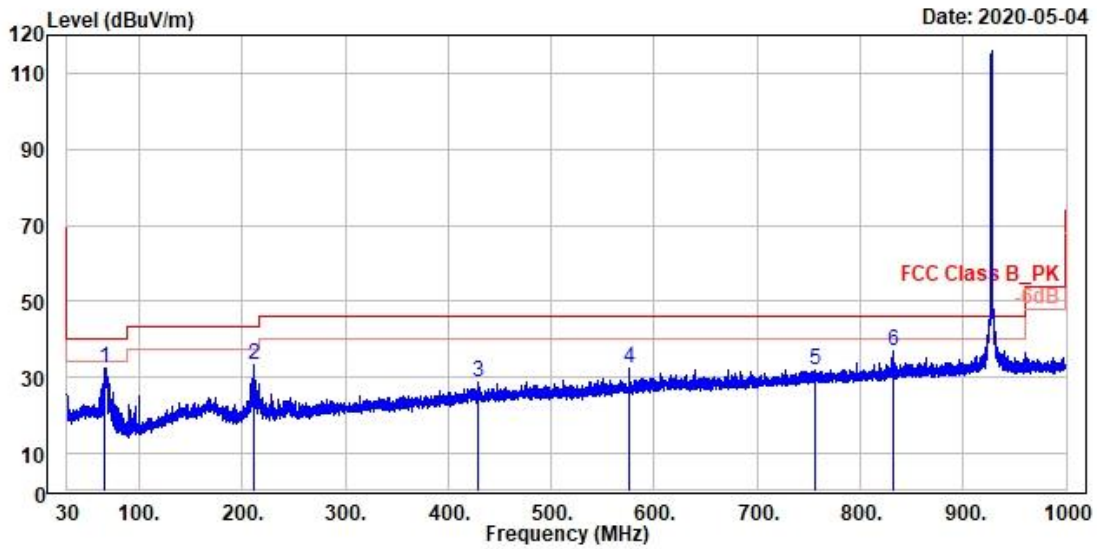


Date: 2020-05-04

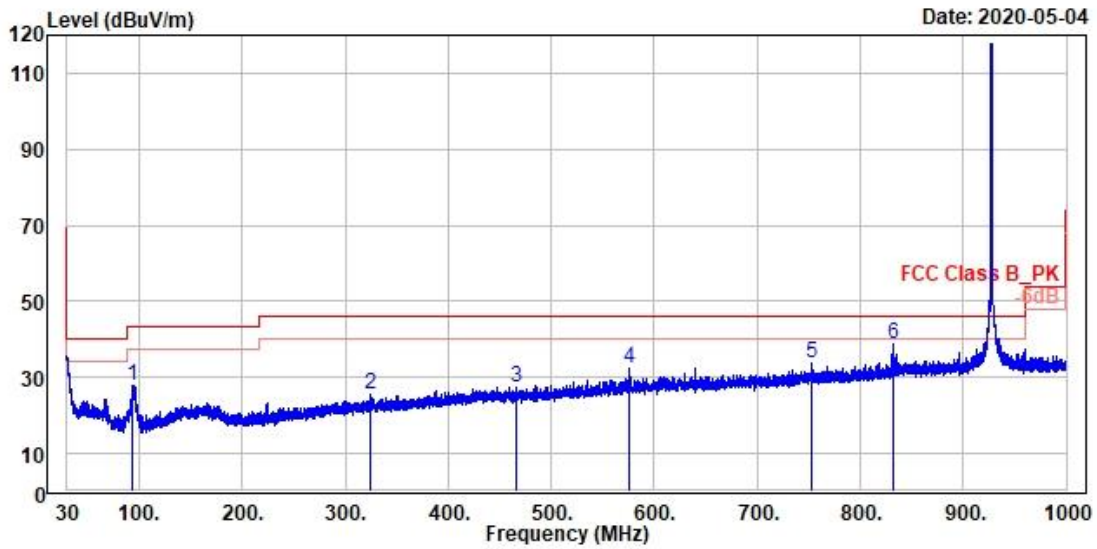
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	69.09	33.83	42.07	-8.24	40.00	-6.17	200	37	QP	horizontal	
2	170.26	26.35	32.46	-6.11	43.50	-17.15	200	282	QP	horizontal	
3	212.94	33.14	41.51	-8.37	43.50	-10.36	100	14	QP	horizontal	
4	360.87	26.69	30.60	-3.91	46.00	-19.31	102	360	QP	horizontal	
5	576.01	32.32	32.76	-0.44	46.00	-13.68	154	360	QP	horizontal	
6	832.09	37.55	34.31	3.24	46.00	-8.45	100	1	QP	horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	95.38	29.11	40.99	-11.88	43.50	-14.39	100	92	QP	vertical	
2	143.78	24.53	30.92	-6.39	43.50	-18.97	100	258	QP	vertical	
3	475.42	28.23	30.39	-2.16	46.00	-17.77	234	0	QP	vertical	
4	576.01	32.44	32.88	-0.44	46.00	-13.56	100	274	QP	vertical	
5	640.03	34.03	33.47	0.56	46.00	-11.97	100	261	QP	vertical	
6	832.09	38.74	35.50	3.24	46.00	-7.26	138	360	QP	vertical	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	66.96	32.58	40.45	-7.87	40.00	-7.42	300	26	QP	horizontal	
2	211.78	33.18	41.52	-8.34	43.50	-10.32	173	360	QP	horizontal	
3	429.25	28.55	31.10	-2.55	46.00	-17.45	200	350	QP	horizontal	
4	576.01	32.58	33.02	-0.44	46.00	-13.42	169	360	QP	horizontal	
5	756.24	31.88	29.47	2.41	46.00	-14.12	300	360	QP	horizontal	
6	832.00	37.04	33.80	3.24	46.00	-8.96	100	357	QP	horizontal	

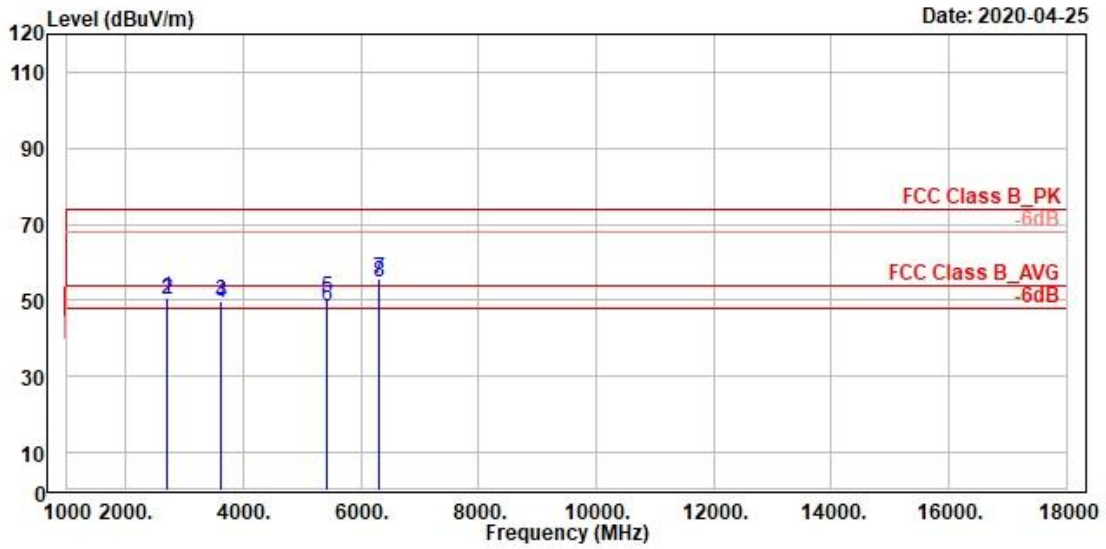


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	94.02	27.94	40.00	-12.06	43.50	-15.56	100	86	QP	vertical	
2	324.98	25.71	29.89	-4.18	46.00	-20.29	200	0	QP	vertical	
3	465.63	27.44	29.62	-2.18	46.00	-18.56	300	360	QP	vertical	
4	576.11	32.42	32.86	-0.44	46.00	-13.58	100	293	QP	vertical	
5	752.94	33.76	31.35	2.41	46.00	-12.24	144	360	QP	vertical	
6	831.51	38.60	35.36	3.24	46.00	-7.40	126	360	QP	vertical	

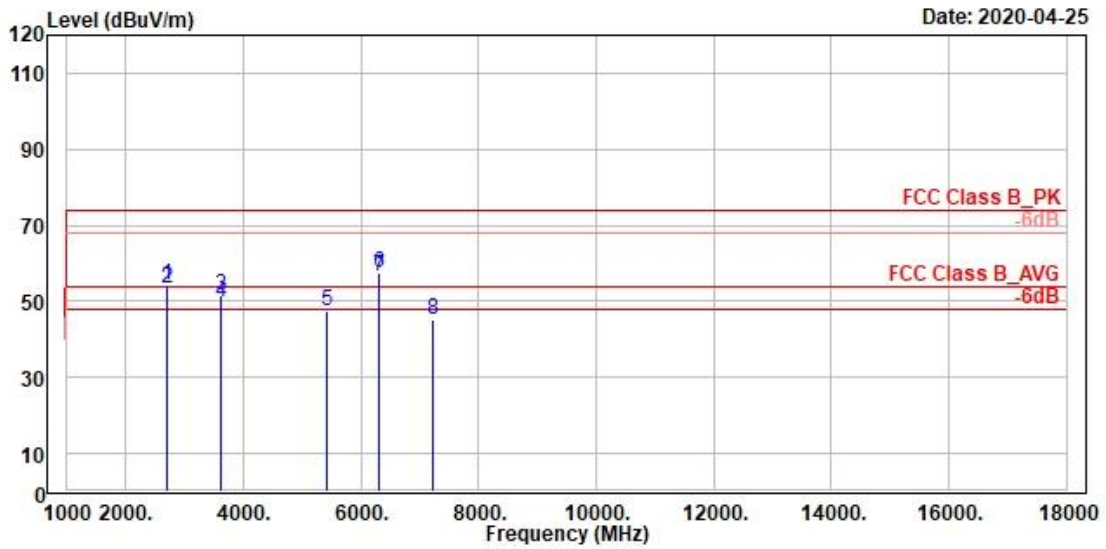
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089UC with External Antenna (RFA-S1-C55H1-150D034)



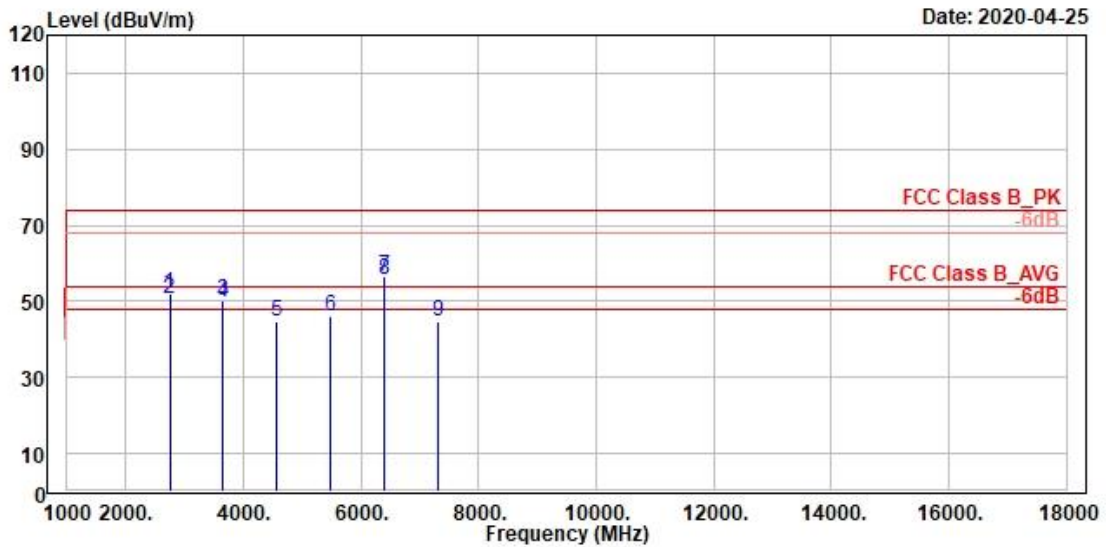
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



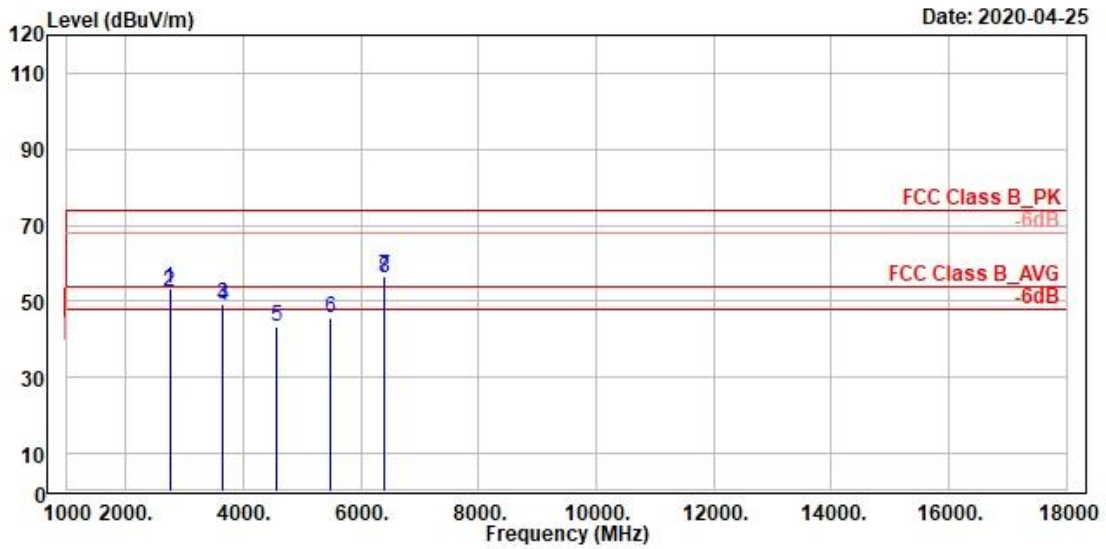
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2706.90	50.54	63.89	-13.35	74.00	-23.46	100	301	Peak	horizontal	
2 !	2706.90	50.41	63.76	-13.35	54.00	-3.59	100	301	Average	horizontal	
3	3609.20	49.70	61.03	-11.33	74.00	-24.30	370	62	Peak	horizontal	
4 !	3609.20	49.22	60.55	-11.33	54.00	-4.78	370	62	Average	horizontal	
5	5413.80	50.85	59.13	-8.28	74.00	-23.15	100	73	Peak	horizontal	
6 !	5413.80	48.15	56.43	-8.28	54.00	-5.85	100	73	Average	horizontal	
7	6316.10	55.71	63.15	-7.44	74.00	-18.29	102	115	Peak	horizontal	Non-RB
8 *	6316.10	54.57	62.01	-7.44	54.00	0.57	102	115	Average	horizontal	Non-RB



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2706.90	54.11	67.46	-13.35	74.00	-19.89	300	80	Peak	vertical	
2 !	2706.90	53.17	66.52	-13.35	54.00	-0.83	300	80	Average	vertical	
3	3609.20	51.47	62.80	-11.33	74.00	-22.53	100	296	Peak	vertical	
4 !	3609.20	49.75	61.08	-11.33	54.00	-4.25	100	296	Average	vertical	
5	5413.39	47.35	55.64	-8.29	74.00	-26.65	100	305	Peak	vertical	
6	6316.10	57.45	64.89	-7.44	74.00	-16.55	100	260	Peak	vertical	Non-RB
7 *	6316.10	56.68	64.12	-7.44	54.00	2.68	100	260	Average	vertical	Non-RB
8	7218.22	45.08	51.87	-6.79	74.00	-28.92	100	0	Peak	vertical	

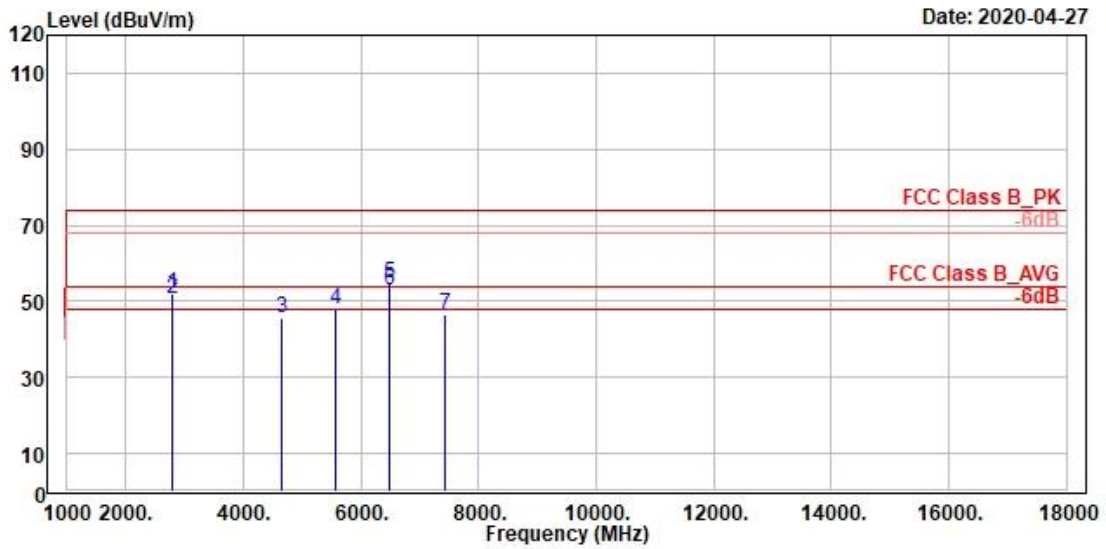


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2744.70	51.94	65.02	-13.08	74.00	-22.06	300	245	Peak	horizontal	
2 !	2744.70	50.68	63.76	-13.08	54.00	-3.32	300	245	Average	horizontal	
3	3659.60	50.20	61.39	-11.19	74.00	-23.80	300	254	Peak	horizontal	
4 !	3659.60	49.62	60.81	-11.19	54.00	-4.38	300	254	Average	horizontal	
5	4574.72	44.89	54.62	-9.73	74.00	-29.11	300	218	Peak	horizontal	
6	5489.89	46.04	54.19	-8.15	74.00	-27.96	240	0	Peak	horizontal	
7	6404.30	56.56	63.96	-7.40	74.00	-17.44	100	127	Peak	horizontal	Non-RB
8 *	6404.30	55.66	63.06	-7.40	54.00	1.66	100	127	Average	horizontal	Non-RB
9	7319.28	44.65	51.35	-6.70	74.00	-29.35	200	106	Peak	horizontal	



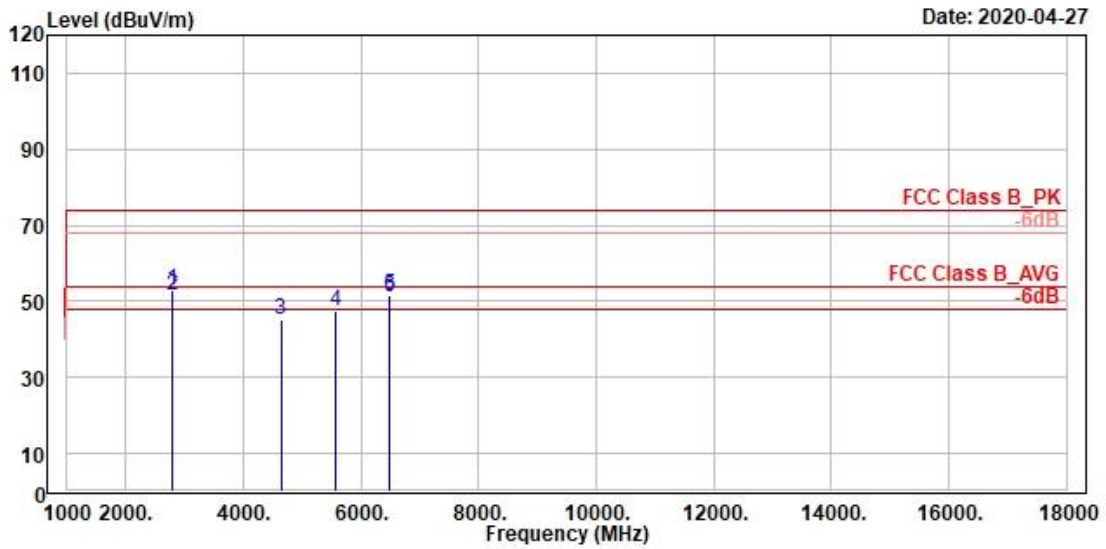
Date: 2020-04-25

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2744.70	53.39	66.47	-13.08	74.00	-20.61	400	100	Peak	vertical	
2 !	2744.70	52.36	65.44	-13.08	54.00	-1.64	400	100	Average	vertical	
3	3659.60	49.47	60.66	-11.19	74.00	-24.53	400	291	Peak	vertical	
4 !	3659.60	48.61	59.80	-11.19	54.00	-5.39	400	291	Average	vertical	
5	4573.78	43.22	52.95	-9.73	74.00	-30.78	400	172	Peak	vertical	
6	5488.94	45.63	53.78	-8.15	74.00	-28.37	100	260	Peak	vertical	
7	6404.30	56.61	64.01	-7.40	74.00	-17.39	400	127	Peak	vertical	Non-RB
8 *	6404.30	56.14	63.54	-7.40	54.00	2.14	400	127	Average	vertical	Non-RB



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2782.50	51.92	64.93	-13.01	74.00	-22.08	300	208	Peak	horizontal	
2 !	2782.50	50.42	63.43	-13.01	54.00	-3.58	300	208	Average	horizontal	
3	4638.00	45.53	55.13	-9.60	74.00	-28.47	100	109	Peak	horizontal	
4	5565.44	47.72	55.93	-8.21	74.00	-26.28	100	100	Peak	horizontal	
5	6492.50	54.55	61.93	-7.38	74.00	-19.45	113	64	Peak	horizontal	
6 !	6492.50	53.06	60.44	-7.38	54.00	-0.94	113	64	Average	horizontal	
7	7420.33	46.54	53.28	-6.74	74.00	-27.46	400	315	Peak	horizontal	

Note: 6492.5MHz in the Non-Restricted Bands



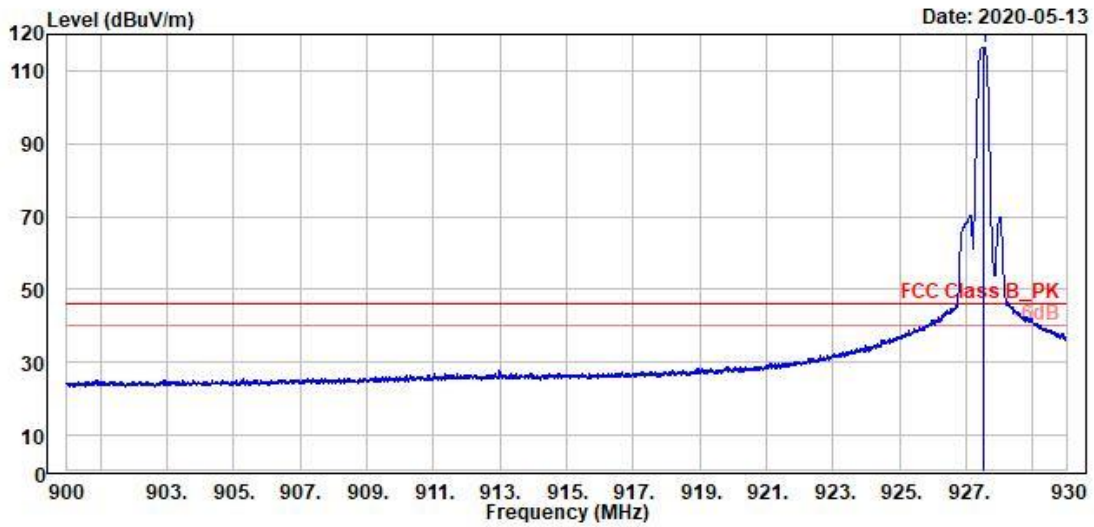
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2782.50	52.74	65.75	-13.01	74.00	-21.26	310	102	Peak	vertical	
2 !	2782.50	51.59	64.60	-13.01	54.00	-2.41	310	102	Average	vertical	
3	4637.06	45.37	54.97	-9.60	74.00	-28.63	400	289	Peak	vertical	
4	5565.44	47.40	55.61	-8.21	74.00	-26.60	400	99	Peak	vertical	
5	6492.50	51.67	59.05	-7.38	74.00	-22.33	100	243	Peak	vertical	
6 !	6492.50	51.28	58.66	-7.38	54.00	-2.72	100	243	Average	vertical	

Note: 6492.5MHz in the Non-Restricted Bands

Spurious Emissions, Band Edges, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034)



TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK Horizontal
Test Engineer: Eagle Tsai
Product : Wireless Module
Model NO : SAMR34
Test Rating : 5V
Tmp/Hum : 21.7°C/50.9%
Mode : TX_Hybrid_927.5
Power setting: 20/sf10
Antenna : #1

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	927.50	116.29	111.61	4.68	46.00	70.29	100	258 Average	Horizontal	

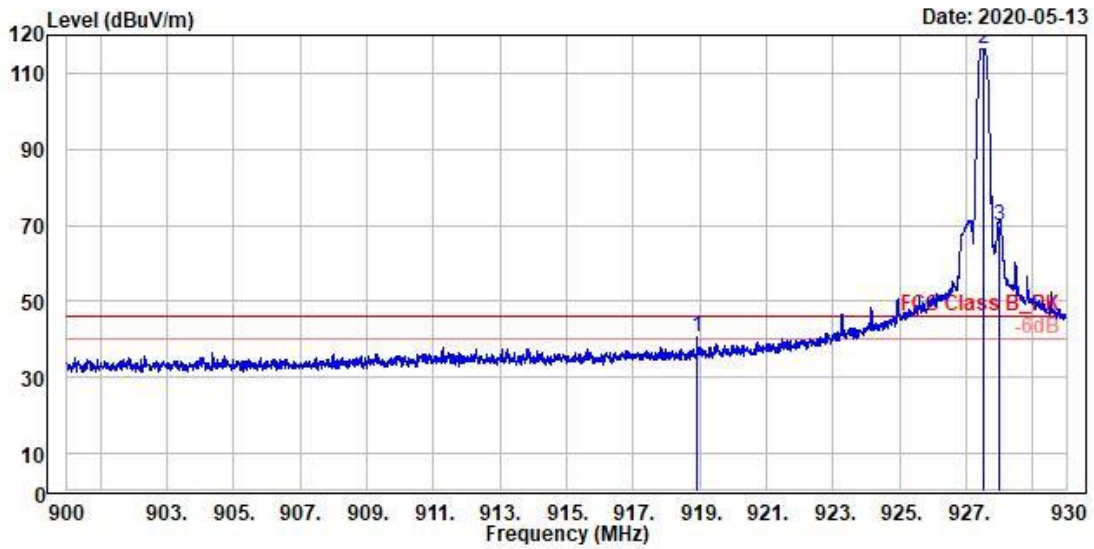
Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm			
1 *	927.50	119.73	115.05	4.68	46.00	73.73	107	288 Average	Vertical

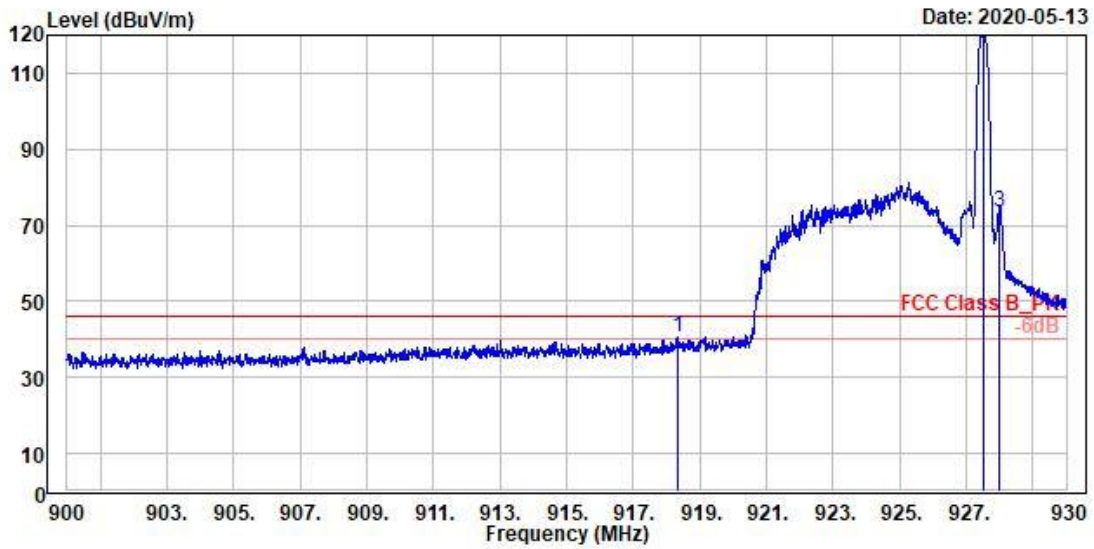
Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Horizontal
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	918.91	40.55	36.01	4.54	46.00	-5.45	100	258	QP	Horizontal	
2 *	927.55	116.27	111.58	4.69	46.00	70.27	100	258	Peak	Horizontal	
3 *	928.01	69.99	65.30	4.69	46.00	23.99	100	258	QP	Horizontal	

Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

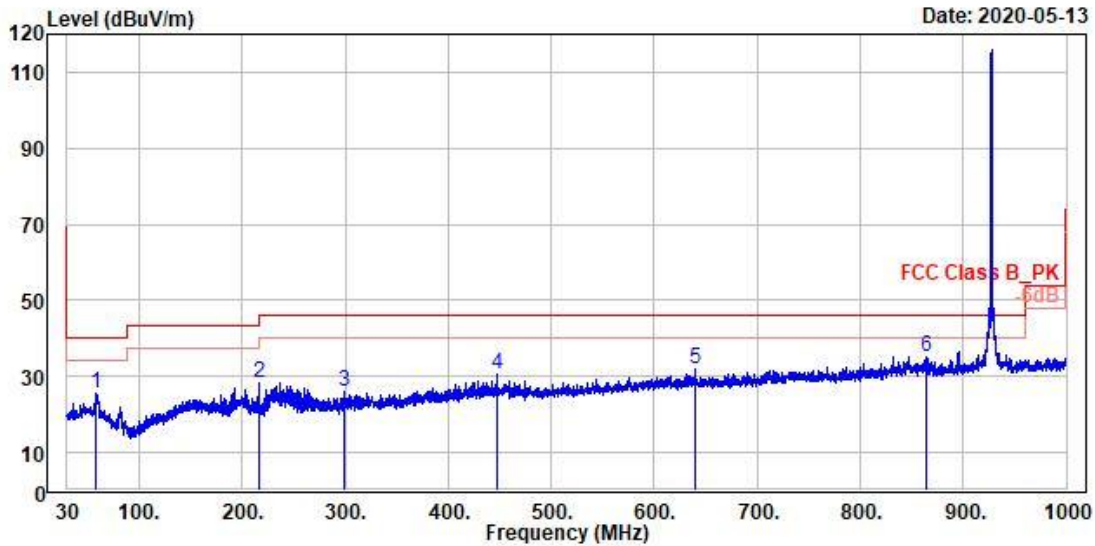
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	918.32	40.79	36.27	4.52	46.00	-5.21	107	288	QP	Vertical	
2 *	927.50	119.60	114.92	4.68	46.00	73.60	107	288	Peak	Vertical	
3 *	928.01	73.39	68.70	4.69	46.00	27.39	107	288	QP	Vertical	

Note: non-restriction band

Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034)

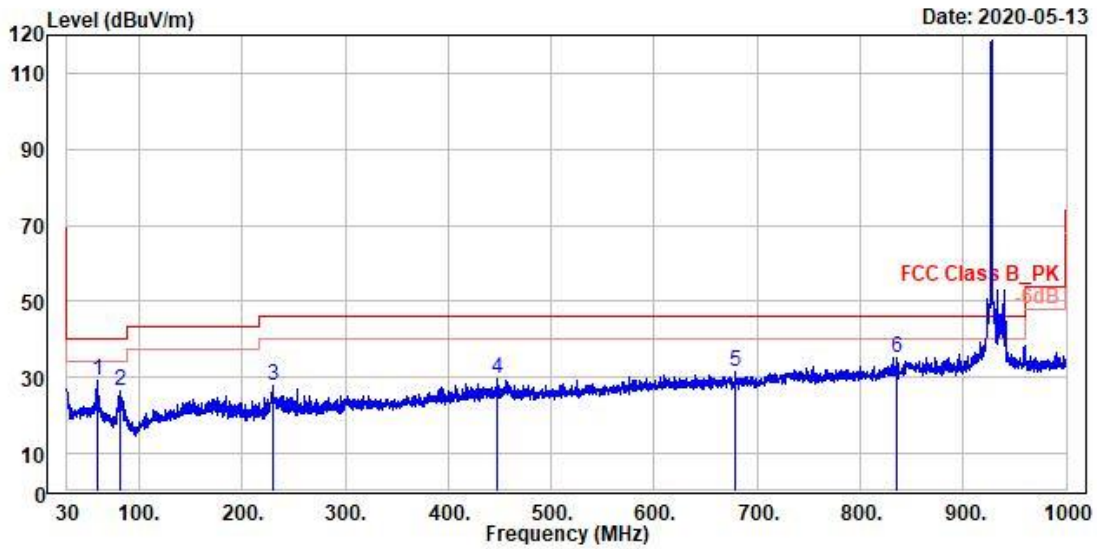


TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK horizontal
Test Engineer: Eagle Tsai
Product : Wireless Module
Model NO : SAMR34
Test Rating : 5V
Tmp/Hum : 21.7°C/50.9%
Mode : TX_Hybrid_927.5
Power setting: 20/sf10
Antenna : #1

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg		
1	58.32	25.77	32.30	-6.53	40.00	-14.23	400	177 QP	horizontal	
2	215.85	28.32	36.72	-8.40	43.50	-15.18	0	0 QP	horizontal	
3	298.88	26.16	31.02	-4.86	46.00	-19.84	100	236 QP	horizontal	
4	448.07	30.70	32.92	-2.22	46.00	-15.30	200	91 QP	horizontal	
5	639.94	31.93	31.37	0.56	46.00	-14.07	300	49 QP	horizontal	
6	864.01	35.32	31.73	3.59	46.00	-10.68	100	103 QP	horizontal	



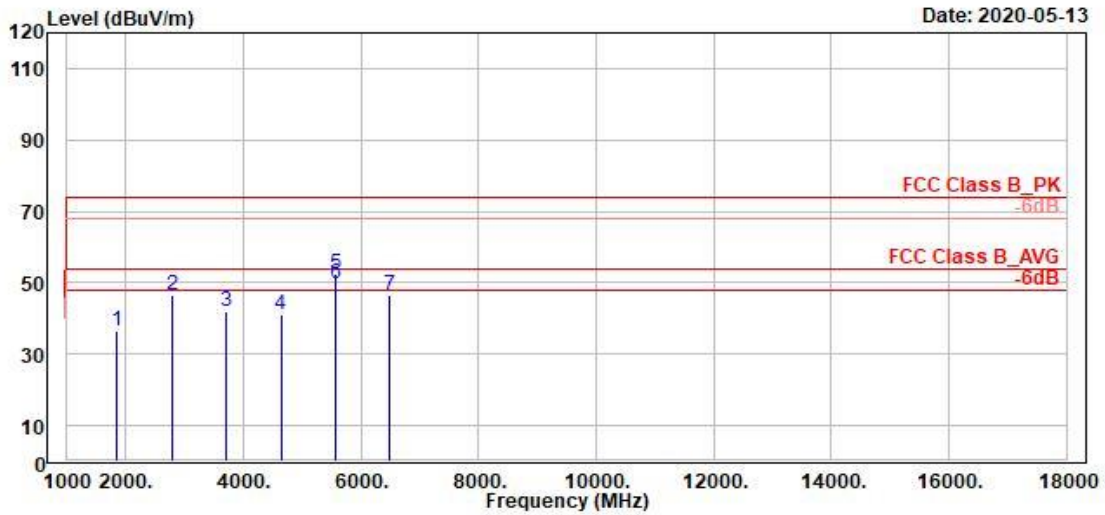
Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg		
1	59.49	29.18	35.86	-6.68	40.00	-10.82	368	360 QP	vertical	
2	81.02	26.49	37.52	-11.03	40.00	-13.51	100	257 QP	vertical	
3	229.24	27.77	35.40	-7.63	46.00	-18.23	100	316 QP	vertical	
4	448.07	29.74	31.96	-2.22	46.00	-16.26	200	158 QP	vertical	
5	678.35	31.39	30.30	1.09	46.00	-14.61	100	124 QP	vertical	
6	836.26	35.18	31.87	3.31	46.00	-10.82	200	186 QP	vertical	

Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089U0 with External Antenna (RFA-S1-C55H1-150D034)



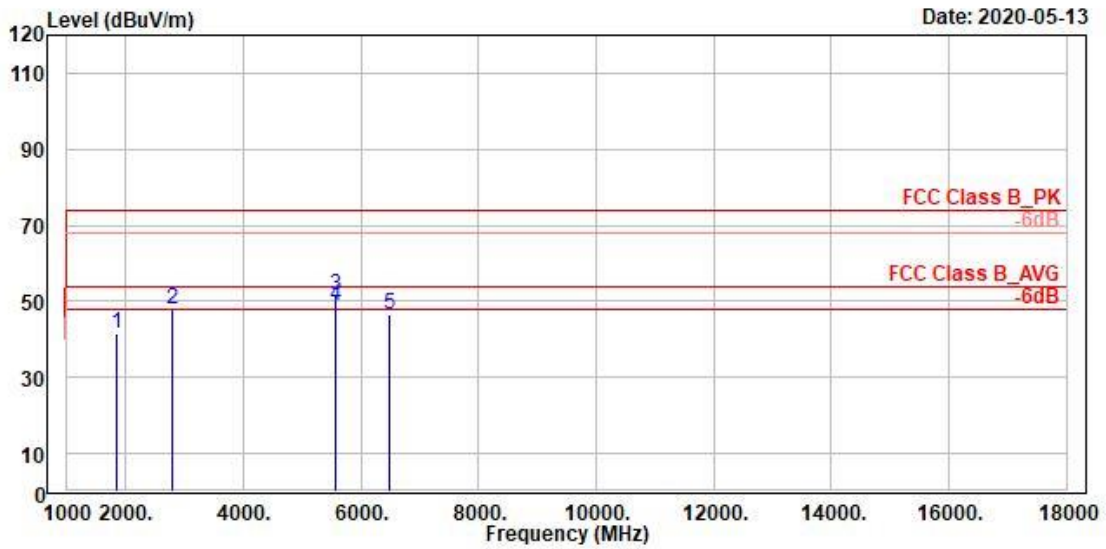
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK horizontal
Test Engineer: Eagle Tsai
Product : Wireless Module
Model NO : SAMR34
Test Rating : 5V
Tmp/Hum : 21.7°C/50.9%
Mode : TX_Hybrid_927.5
Power setting: 20/sf10
Antenna : #1

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	1855.00	36.64	52.55	-15.91	74.00	-37.36	400	62 Peak	horizontal	
2	2782.50	46.67	59.68	-13.01	74.00	-27.33	400	267 Peak	horizontal	
3	3710.00	42.14	53.15	-11.01	74.00	-31.86	400	208 Peak	horizontal	
4	4637.50	41.21	50.81	-9.60	74.00	-32.79	400	360 Peak	horizontal	
5	5565.00	52.49	60.69	-8.20	74.00	-21.51	330	214 Peak	horizontal	
6 !	5565.00	49.70	57.90	-8.20	54.00	-4.30	330	214 Average	horizontal	
7	6492.50	46.63	54.01	-7.38	74.00	-27.37	300	310 Peak	horizontal	

Note: 1855MHz and 6492.5MHz in the Non-Restricted Bands



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

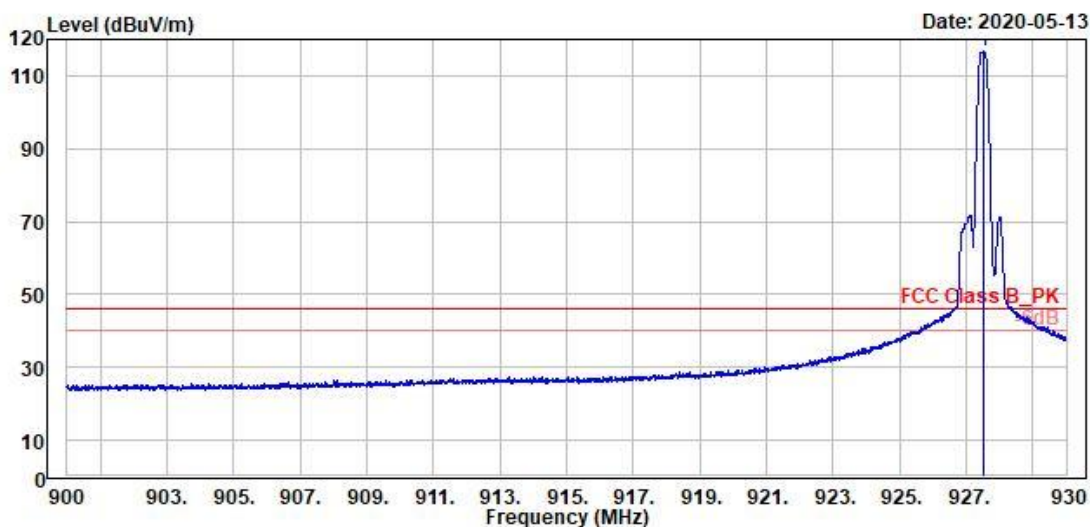
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1855.00	41.57	57.48	-15.91	74.00	-32.43	400	229	Peak	vertical	
2	2782.50	47.70	60.71	-13.01	74.00	-26.30	289	0	Peak	vertical	
3	5565.00	51.37	59.57	-8.20	74.00	-22.63	100	272	Peak	vertical	
4	5565.00	48.78	56.98	-8.20	54.00	-5.22	100	272	Average	vertical	
5	6492.00	46.33	53.71	-7.38	74.00	-27.67	100	164	Peak	vertical	

Note: 1855MHz and 6492.5MHz in the Non-Restricted Bands

Spurious Emissions, Band Edges, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)



TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Horizontal
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	927.50	116.70	112.02	4.68	46.00	70.70	100	260 Average	Horizontal	

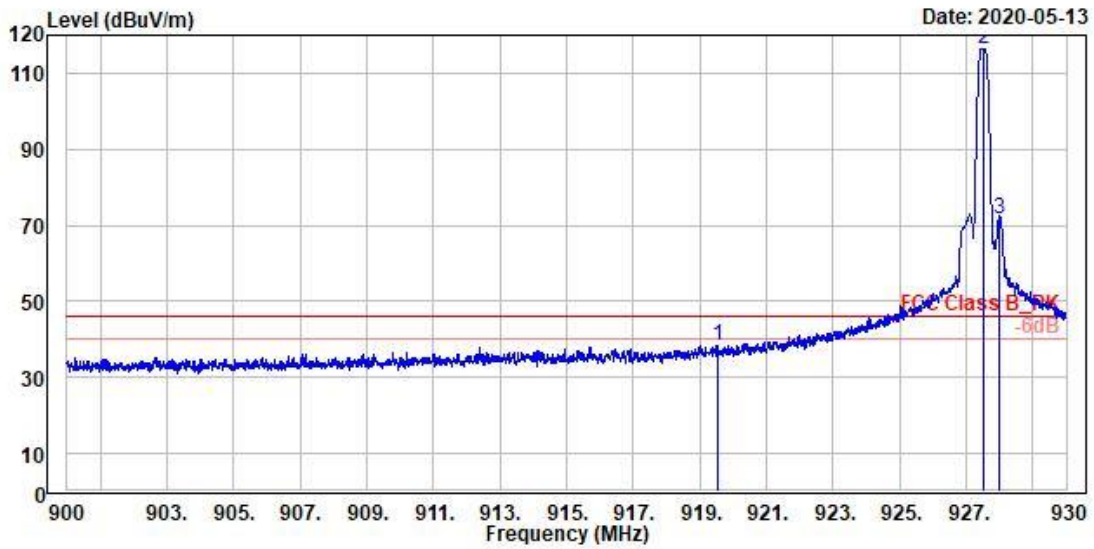
Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm			
1 *	927.53	119.36	114.67	4.69	46.00	73.36	111	290 Average	Vertical

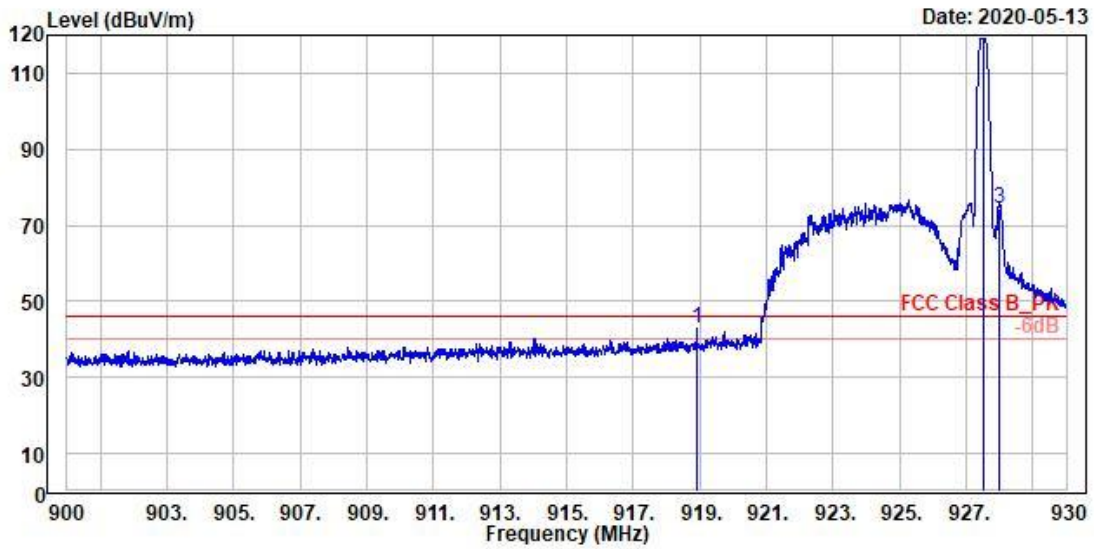
Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Horizontal
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	919.54	38.32	33.77	4.55	46.00	-7.68	100	260	QP	Horizontal	
2 *	927.50	116.41	111.73	4.68	46.00	70.41	100	260	Peak	Horizontal	
3 *	928.00	71.69	67.00	4.69	46.00	25.69	100	260	QP	Horizontal	

Note: non-restriction band



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK Vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

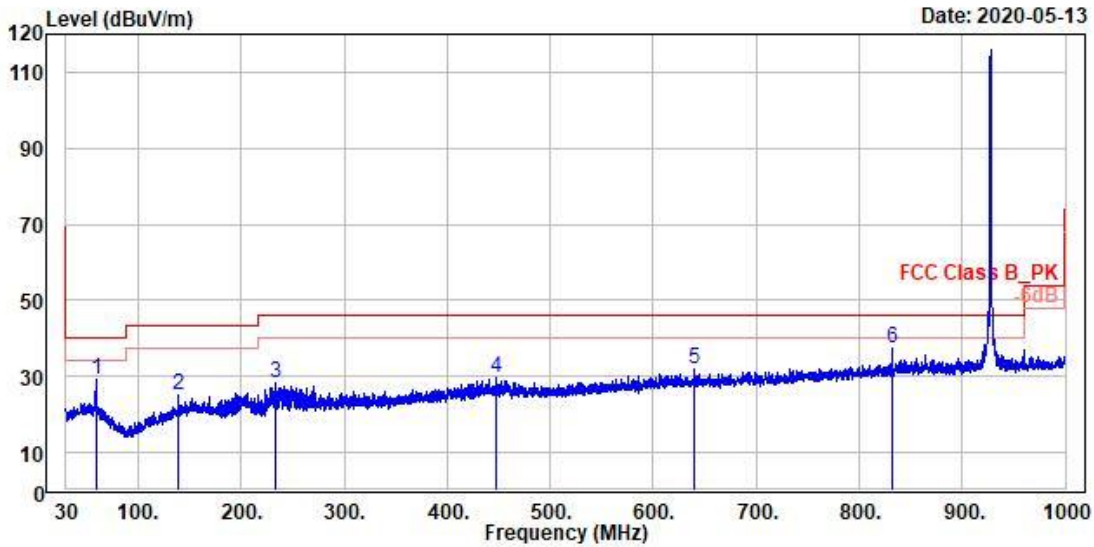
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	918.90	42.74	38.20	4.54	46.00	-3.26	111	290 QP	Vertical	
2 *	927.50	119.24	114.56	4.68	46.00	73.24	111	290 Peak	Vertical	
3 *	928.00	74.49	69.80	4.69	46.00	28.49	111	290 QP	Vertical	

Note: non-restriction band

Spurious Emissions, TX Mode, 30MHz-1GHz, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)

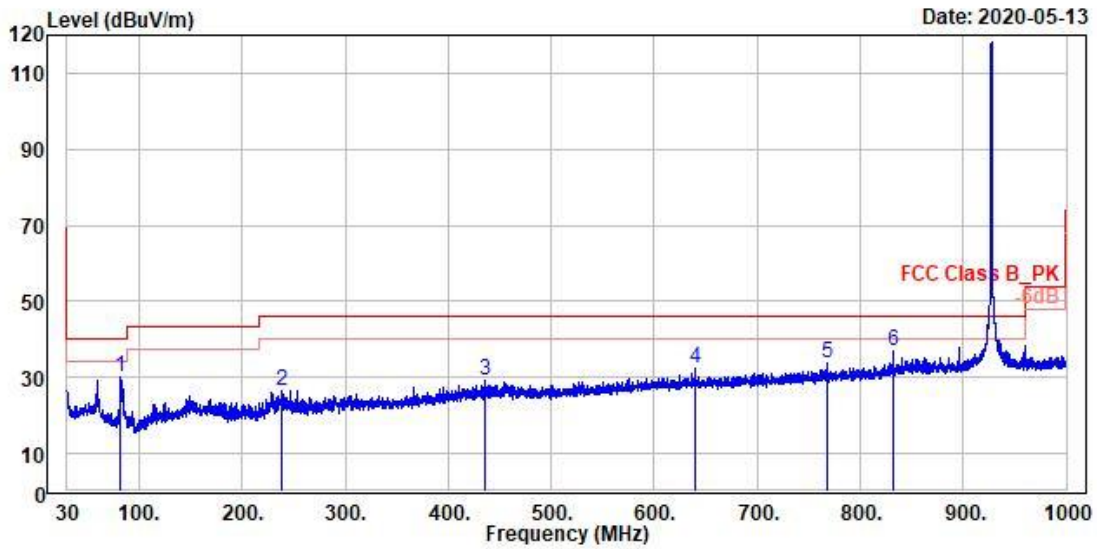


TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fentiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK horizontal
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	59.29	29.22	35.87	-6.65	40.00	-10.78	300	198	QP	horizontal	
2	139.03	24.94	31.67	-6.73	43.50	-18.56	400	291	QP	horizontal	
3	233.70	28.25	35.47	-7.22	46.00	-17.75	100	251	QP	horizontal	
4	448.07	29.47	31.69	-2.22	46.00	-16.53	200	77	QP	horizontal	
5	640.13	31.97	31.41	0.56	46.00	-14.03	300	110	QP	horizontal	
6	832.19	37.62	34.38	3.24	46.00	-8.38	150	265	QP	horizontal	



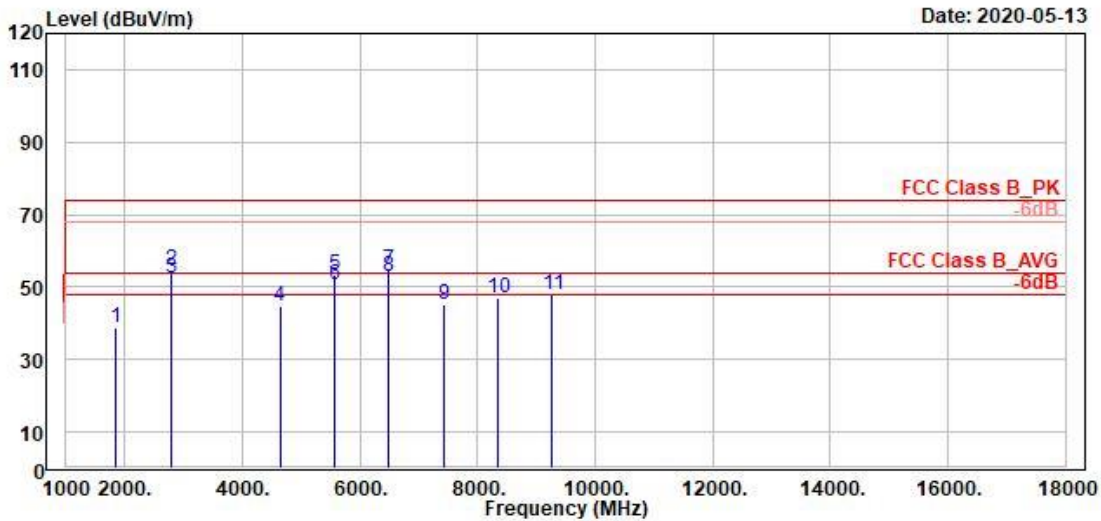
Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	81.99	30.20	41.42	-11.22	40.00	-9.80	200	89 QP	vertical	
2	237.97	26.35	33.29	-6.94	46.00	-19.65	100	151 QP	vertical	
3	435.27	29.09	31.53	-2.44	46.00	-16.91	100	276 QP	vertical	
4	640.13	32.61	32.05	0.56	46.00	-13.39	100	296 QP	vertical	
5	768.17	33.68	31.20	2.48	46.00	-12.32	149	360 QP	vertical	
6	832.19	36.83	33.59	3.24	46.00	-9.17	100	296 QP	vertical	

Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089UC (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)



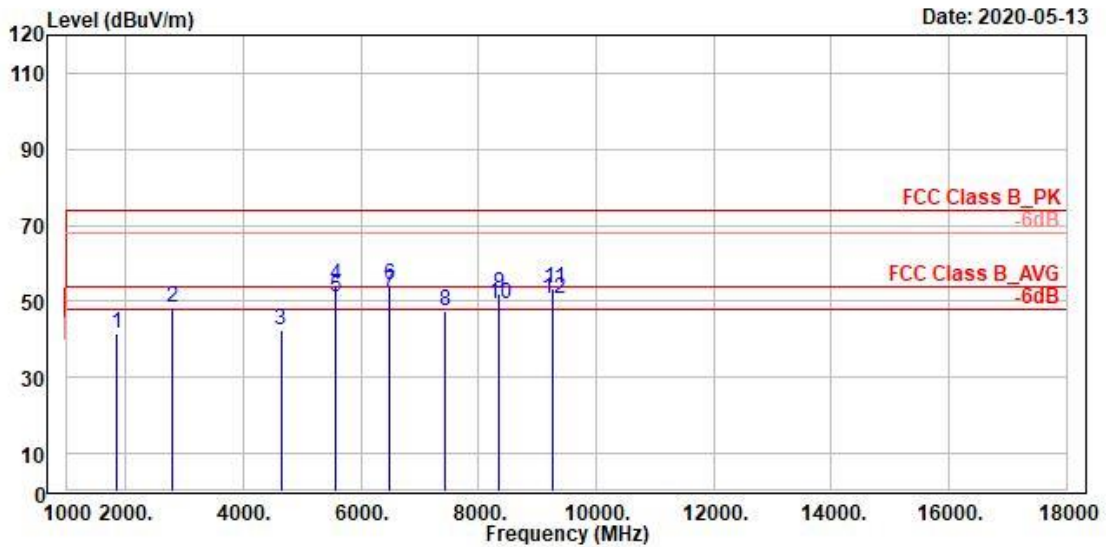
TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK horizontal
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Line	Limit	cm	deg			
			Factor							
			dB/m	dBuV/m	dB					
1	1855.00	38.82	54.73	-15.91	74.00	-35.18	400	74 Peak	horizontal	
2	2782.50	54.64	67.65	-13.01	74.00	-19.36	265	264 Peak	horizontal	
3 !	2782.50	52.41	65.42	-13.01	54.00	-1.59	265	264 Average	horizontal	
4	4637.50	44.85	54.45	-9.60	74.00	-29.15	100	14 Peak	horizontal	
5	5565.00	53.40	61.60	-8.20	74.00	-20.60	321	216 Peak	horizontal	
6 !	5565.00	50.53	58.73	-8.20	54.00	-3.47	321	216 Average	horizontal	
7	6492.50	54.91	62.29	-7.38	74.00	-19.09	292	242 Peak	horizontal	
8 !	6492.50	52.75	60.13	-7.38	54.00	-1.25	292	242 Average	horizontal	
9	7420.00	45.28	52.02	-6.74	74.00	-28.72	300	156 Peak	horizontal	
10	8347.50	47.17	53.39	-6.22	74.00	-26.83	400	151 Peak	horizontal	
11	9275.00	48.10	52.70	-4.60	74.00	-25.90	400	223 Peak	horizontal	

Note: 1855MHz, 9275Mhz and 6492.5MHz in the Non-Restricted Bands



Site : 3m_Semi-Anechoic_Chamber(966_D)
 Condition : FCC Class B_PK vertical
 Test Engineer: Eagle Tsai
 Product : Wireless Module
 Model NO : SAMR34
 Test Rating : 5V
 Tmp/Hum : 21.7°C/50.9%
 Mode : TX_Hybrid_927.5
 Power setting: 20/sf10
 Antenna : #1

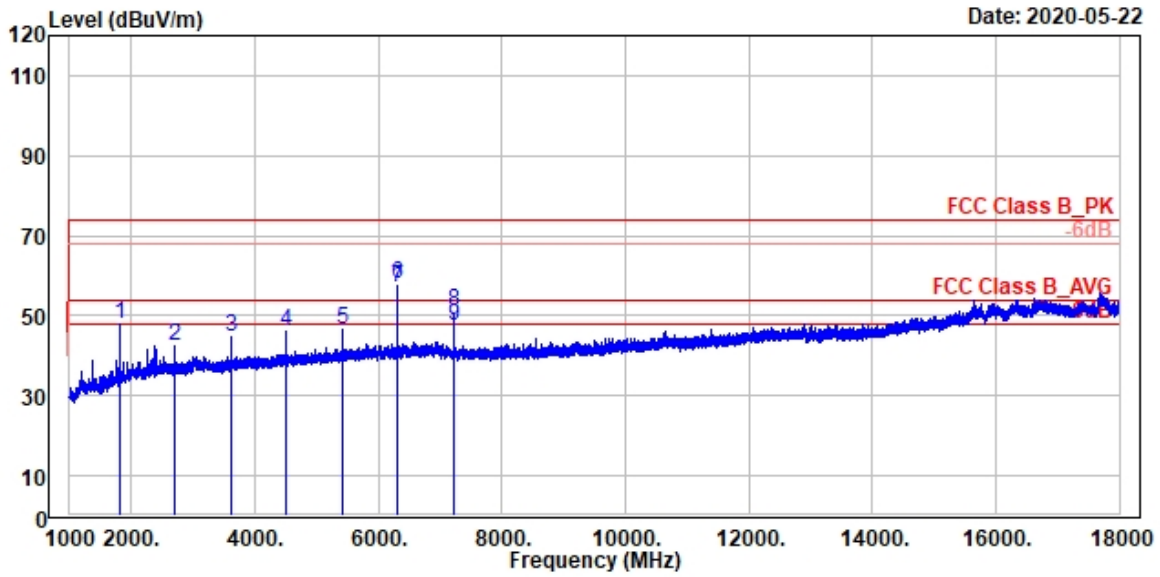
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg		
			dBuV	dB/m	dBuV/m	dB				
1	1855.00	41.43	57.34	-15.91	74.00	-32.57	400	202 Peak	vertical	
2	2782.50	48.52	61.53	-13.01	74.00	-25.48	262	0 Peak	vertical	
3	4637.50	42.44	52.04	-9.60	74.00	-31.56	300	313 Peak	vertical	
4	5565.00	54.19	62.39	-8.20	74.00	-19.81	100	284 Peak	vertical	
5 !	5565.00	51.29	59.49	-8.20	54.00	-2.71	100	284 Average	vertical	
6	6492.50	54.24	61.62	-7.38	74.00	-19.76	103	266 Peak	vertical	
7 !	6492.50	52.28	59.66	-7.38	54.00	-1.72	103	266 Average	vertical	
8	7420.00	47.46	54.20	-6.74	74.00	-26.54	372	360 Peak	vertical	
9	8347.50	52.06	58.28	-6.22	74.00	-21.94	276	9 Peak	vertical	
10 !	8347.50	49.44	55.66	-6.22	54.00	-4.56	276	9 Average	vertical	
11	9275.00	53.33	57.93	-4.60	74.00	-20.67	375	353 Peak	vertical	
12 !	9275.00	50.80	55.40	-4.60	54.00	-3.20	375	353 Average	vertical	

Note: 1855MHz, 9275Mhz and 6492.5MHz in the Non-Restricted Bands

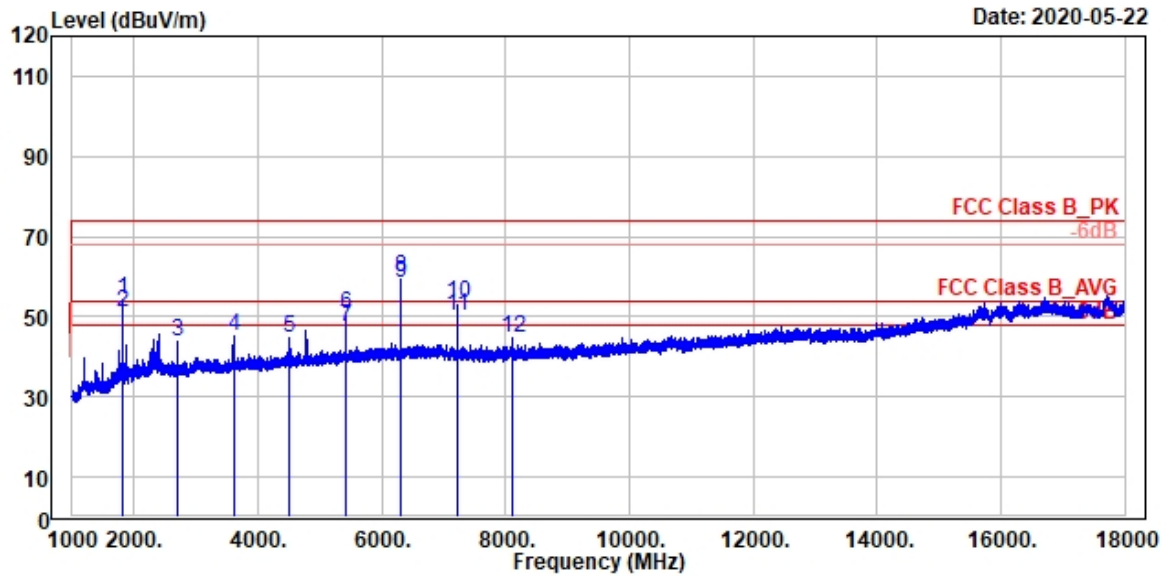
Spurious Emissions, TX Mode, 1GHz-18GHz, WLR089U0 (Alternate Components) with External Antenna (RFA-S1-C55H1-150D034)



TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel:+886-2172-1000 Fax:+886-2172-1322

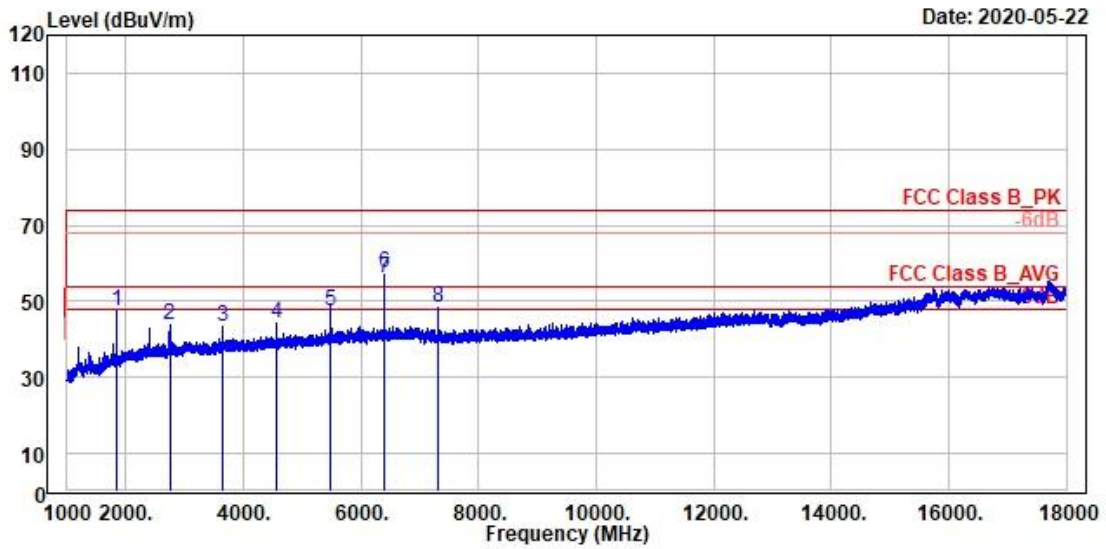


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1804.60	47.99	64.45	-16.46	74.00	-26.01	300	144	Peak	horizontal	Non-RB
2	2706.90	42.66	56.01	-13.35	74.00	-31.34	300	147	Peak	horizontal	
3	3609.20	44.79	56.12	-11.33	74.00	-29.21	200	20	Peak	horizontal	
4	4511.50	46.18	55.90	-9.72	74.00	-27.82	100	242	Peak	horizontal	
5	5413.80	46.73	55.01	-8.28	74.00	-27.27	100	21	Peak	horizontal	
6	6316.10	58.17	65.61	-7.44	74.00	-15.83	101	32	Peak	horizontal	Non-RB
7 *	6316.10	56.82	64.26	-7.44	54.00	2.82	101	32	Average	horizontal	Non-RB
8	7218.40	50.91	57.70	-6.79	74.00	-23.09	100	366	Peak	horizontal	
9	7218.40	47.48	54.27	-6.79	54.00	-6.52	100	366	Average	horizontal	



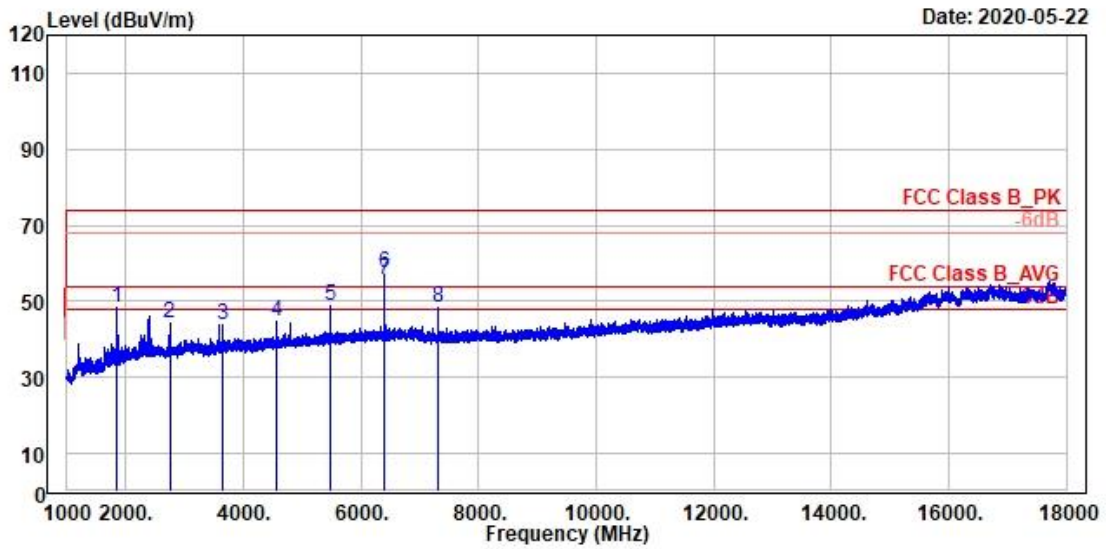
Date: 2020-05-22

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1804.60	54.35	70.81	-16.46	74.00	-19.65	262	13	Peak	vertical	Non-RB
2 !	1804.60	50.90	67.36	-16.46	54.00	-3.10	262	13	Average	vertical	Non-RB
3	2706.90	43.96	57.31	-13.35	74.00	-30.04	400	181	Peak	vertical	
4	3609.20	45.23	56.56	-11.33	74.00	-28.77	400	338	Peak	vertical	
5	4511.50	44.72	54.44	-9.72	74.00	-29.28	200	63	Peak	vertical	
6	5413.80	50.81	59.09	-8.28	74.00	-23.19	286	5	Peak	vertical	
7	5413.80	47.51	55.79	-8.28	54.00	-6.49	286	5	Average	vertical	
8	6316.10	59.57	67.01	-7.44	74.00	-14.43	381	358	Peak	vertical	Non-RB
9 *	6316.10	58.47	65.91	-7.44	54.00	4.47	381	358	Average	vertical	Non-RB
10	7218.40	53.33	60.12	-6.79	74.00	-20.67	108	105	Peak	vertical	
11 !	7218.40	50.41	57.20	-6.79	54.00	-3.59	108	105	Average	vertical	
12	8120.70	44.53	50.63	-6.10	74.00	-29.47	200	18	Peak	vertical	



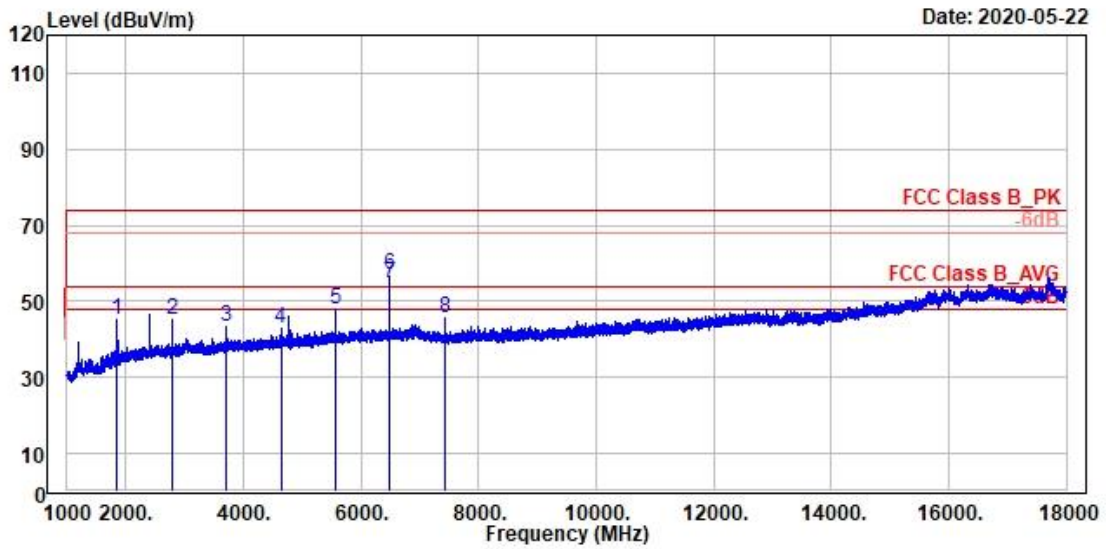
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1829.80	47.64	63.81	-16.17	74.00	-26.36	300	81	Peak	horizontal	
2	2744.70	43.78	56.86	-13.08	74.00	-30.22	300	261	Peak	horizontal	
3	3659.60	43.12	54.31	-11.19	74.00	-30.88	400	328	Peak	horizontal	
4	4574.50	44.48	54.21	-9.73	74.00	-29.52	400	38	Peak	horizontal	
5	5489.40	47.58	55.73	-8.15	74.00	-26.42	300	30	Peak	horizontal	
6	6404.30	57.51	64.91	-7.40	74.00	-16.49	100	25	Peak	horizontal	Non-RB
7 *	6404.30	56.14	63.54	-7.40	54.00	2.14	100	25	Average	horizontal	Non-RB
8	7319.20	48.34	55.04	-6.70	74.00	-25.66	300	329	Peak	horizontal	

Note: 1829.8MHz in the Non-Restricted Bands



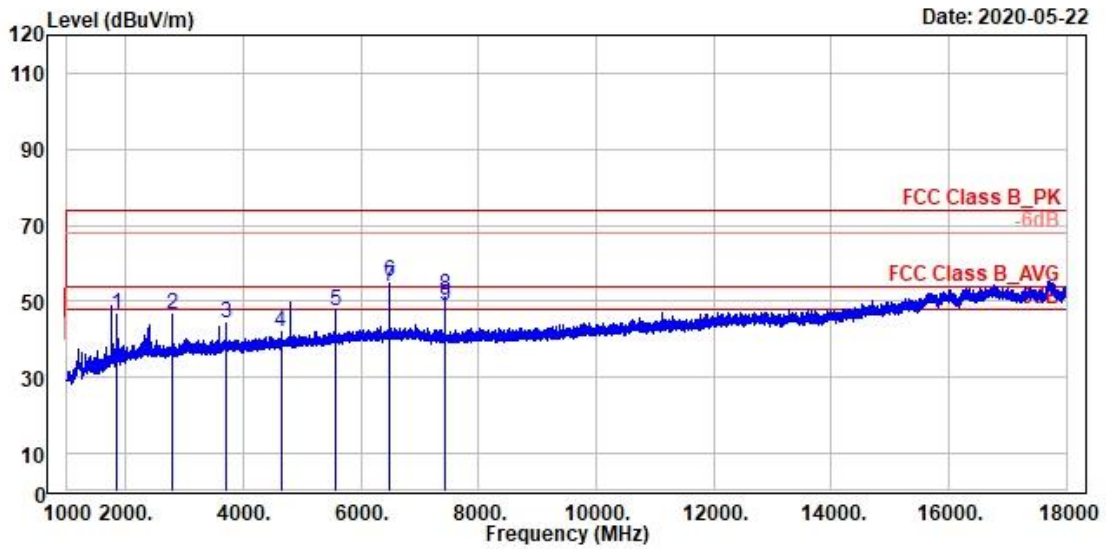
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1829.80	48.33	64.50	-16.17	74.00	-25.67	257	0	Peak	vertical	
2	2744.70	44.25	57.33	-13.08	74.00	-29.75	400	179	Peak	vertical	
3	3659.60	43.91	55.10	-11.19	74.00	-30.09	100	326	Peak	vertical	
4	4574.50	44.61	54.34	-9.73	74.00	-29.39	100	65	Peak	vertical	
5	5489.40	49.01	57.16	-8.15	74.00	-24.99	338	360	Peak	vertical	
6	6404.30	57.31	64.71	-7.40	74.00	-16.69	386	354	Peak	vertical	Non-RB
7 *	6404.30	55.87	63.27	-7.40	54.00	1.87	386	354	Average	vertical	Non-RB
8	7319.20	48.21	54.91	-6.70	74.00	-25.79	100	102	Peak	vertical	

Note: 1829.8MHz in the Non-Restricted Bands



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1855.00	45.05	60.96	-15.91	74.00	-28.95	300	129	Peak	horizontal	
2	2782.50	44.99	58.00	-13.01	74.00	-29.01	300	166	Peak	horizontal	
3	3710.00	43.39	54.40	-11.01	74.00	-30.61	300	159	Peak	horizontal	
4	4637.50	42.90	52.50	-9.60	74.00	-31.10	300	214	Peak	horizontal	
5	5565.00	47.95	56.15	-8.20	74.00	-26.05	100	109	Peak	horizontal	
6	6492.50	57.09	64.47	-7.38	74.00	-16.91	248	22	Peak	horizontal	Non-RB
7 *	6492.50	54.64	62.02	-7.38	54.00	0.64	248	22	Average	horizontal	Non-RB
8	7420.00	45.83	52.57	-6.74	74.00	-28.17	400	76	Peak	horizontal	

Note: 1855MHz in the Non-Restricted Bands



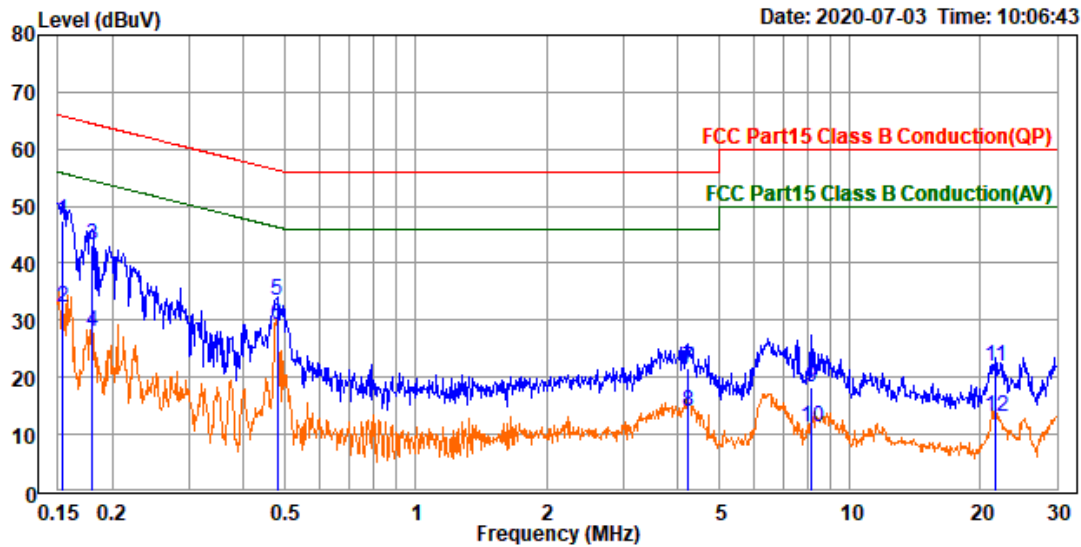
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	1855.00	46.60	62.51	-15.91	74.00	-27.40	300	173	Peak	vertical	
2	2782.50	46.56	59.57	-13.01	74.00	-27.44	350	360	Peak	vertical	
3	3710.00	44.22	55.23	-11.01	74.00	-29.78	200	342	Peak	vertical	
4	4637.50	42.10	51.70	-9.60	74.00	-31.90	300	82	Peak	vertical	
5	5565.00	47.43	55.63	-8.20	74.00	-26.57	300	7	Peak	vertical	
6	6492.50	55.42	62.80	-7.38	74.00	-18.58	198	240	Peak	vertical	Non-RB
7 !	6492.50	53.63	61.01	-7.38	54.00	-0.37	198	240	Average	vertical	Non-RB
8	7420.00	51.73	58.47	-6.74	74.00	-22.27	100	240	Peak	vertical	
9 !	7420.00	48.79	55.53	-6.74	54.00	-5.21	100	240	Average	vertical	

Note: 1855MHz in the Non-Restricted Bands

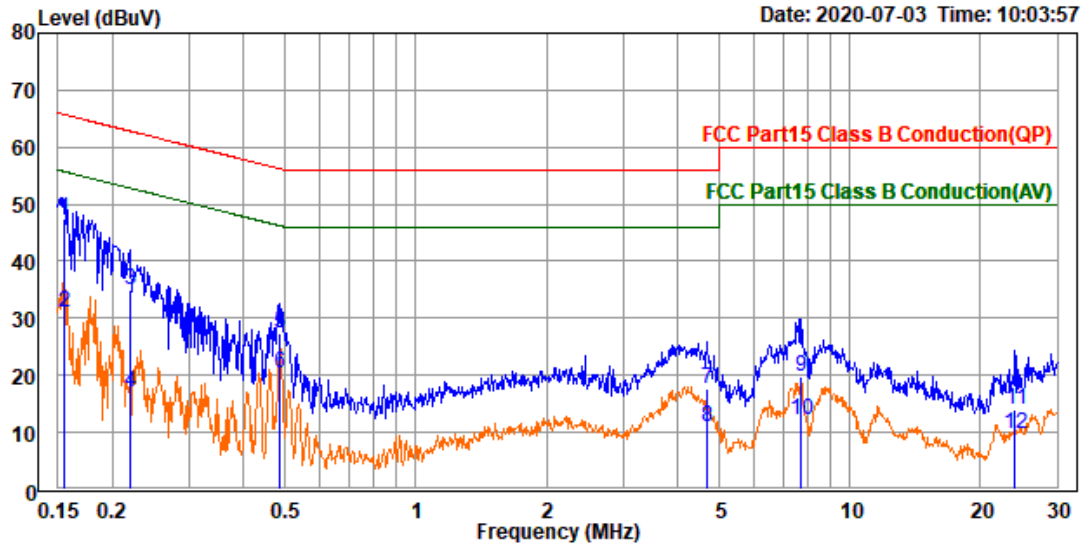
Spurious Emissions, AC Mains



TUV Rheinland Taiwan Ltd(New Taipei City Branch).
 No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
 Tel:+886-2172-1000 Fax:+886-2172-1322



	Read Freq	Read Level	Factor	Limit Level	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dB			
1	0.153	37.48	10.11	47.59	65.83	-18.24	QP	neutral
2	0.153	22.13	10.11	32.24	55.83	-23.59	Average	neutral
3	0.179	33.00	10.11	43.11	64.51	-21.40	QP	neutral
4	0.179	17.91	10.11	28.02	54.51	-26.49	Average	neutral
5	0.479	23.24	10.11	33.35	56.35	-23.00	QP	neutral
6	0.479	19.00	10.11	29.11	46.35	-17.24	Average	neutral
7	4.252	11.50	10.22	21.72	56.00	-34.28	QP	neutral
8	4.252	3.65	10.22	13.87	46.00	-32.13	Average	neutral
9	8.128	7.87	10.31	18.18	60.00	-41.82	QP	neutral
10	8.128	0.82	10.31	11.13	50.00	-38.87	Average	neutral
11	21.590	11.22	10.59	21.81	60.00	-38.19	QP	neutral
12	21.590	2.57	10.59	13.16	50.00	-36.84	Average	neutral



	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.155	37.37	10.11	47.48	65.71	-18.23	QP	line1	
2	0.155	20.96	10.11	31.07	55.71	-24.64	Average	line1	
3	0.219	24.92	10.11	35.03	62.85	-27.82	QP	line1	
4	0.219	6.81	10.11	16.92	52.85	-35.93	Average	line1	
5	0.484	17.30	10.12	27.42	56.27	-28.85	QP	line1	
6	0.484	10.16	10.12	20.28	46.27	-25.99	Average	line1	
7	4.674	7.33	10.24	17.57	56.00	-38.43	QP	line1	
8	4.674	0.86	10.24	11.10	46.00	-34.90	Average	line1	
9	7.733	9.61	10.31	19.92	60.00	-40.08	QP	line1	
10	7.733	1.99	10.31	12.30	50.00	-37.70	Average	line1	
11	23.972	3.36	10.58	13.94	60.00	-46.06	QP	line1	
12	23.972	-0.74	10.58	9.84	50.00	-40.16	Average	line1	