

Test Report No.50041194 50041196 002

Appendix D: Radiated and Mains Spurious Emission Data

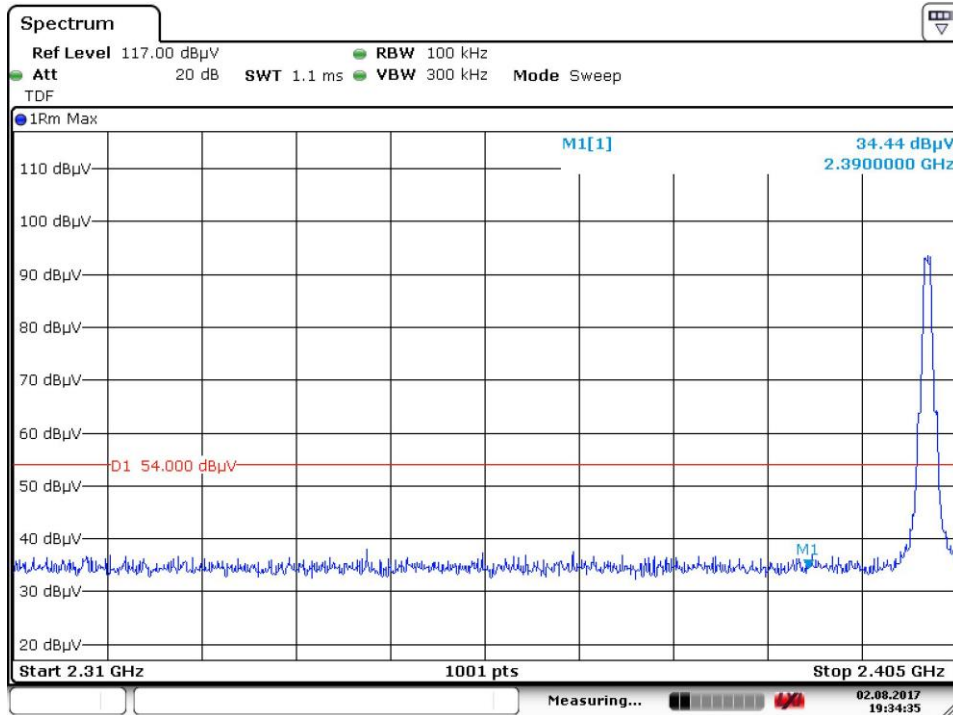
(File: 50041194 50041196 002 AppendixD)

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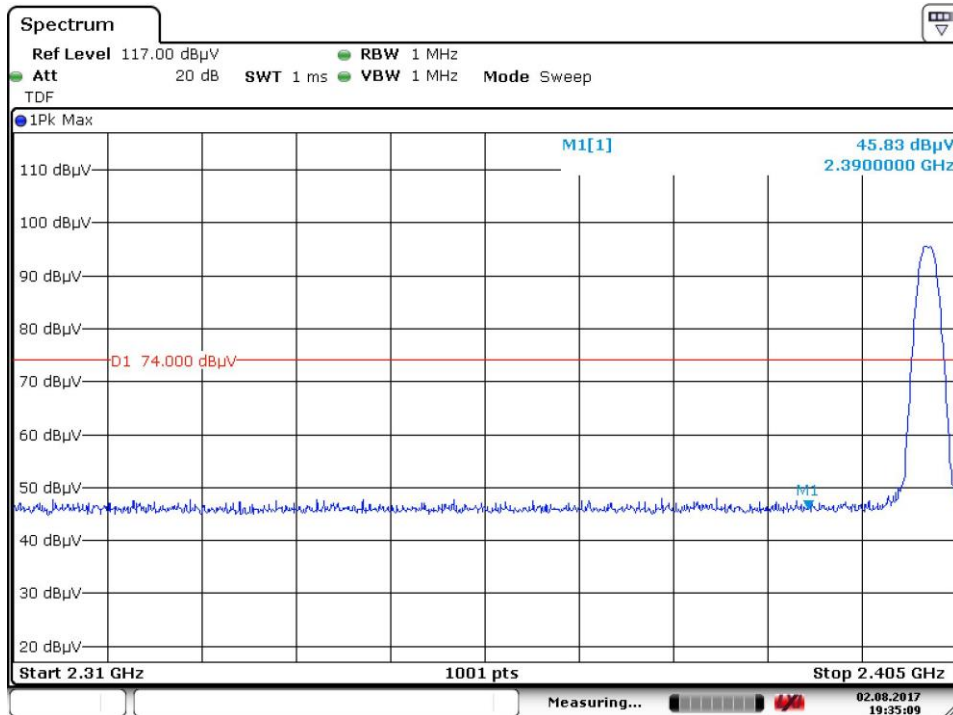
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Radiated Bandedge (GFSK)

Low Channel (Hor)

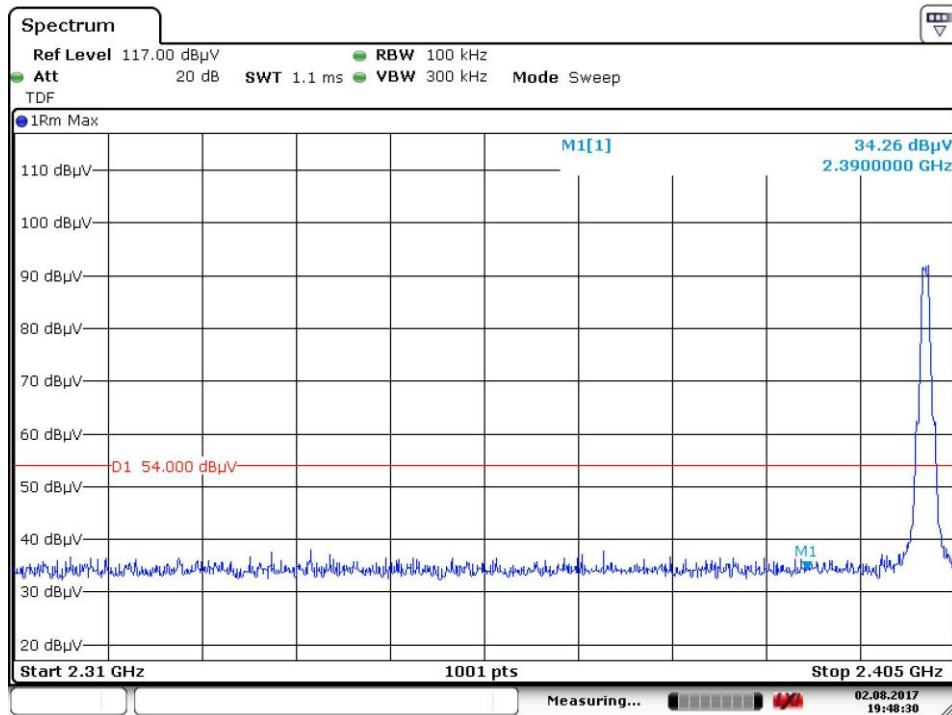


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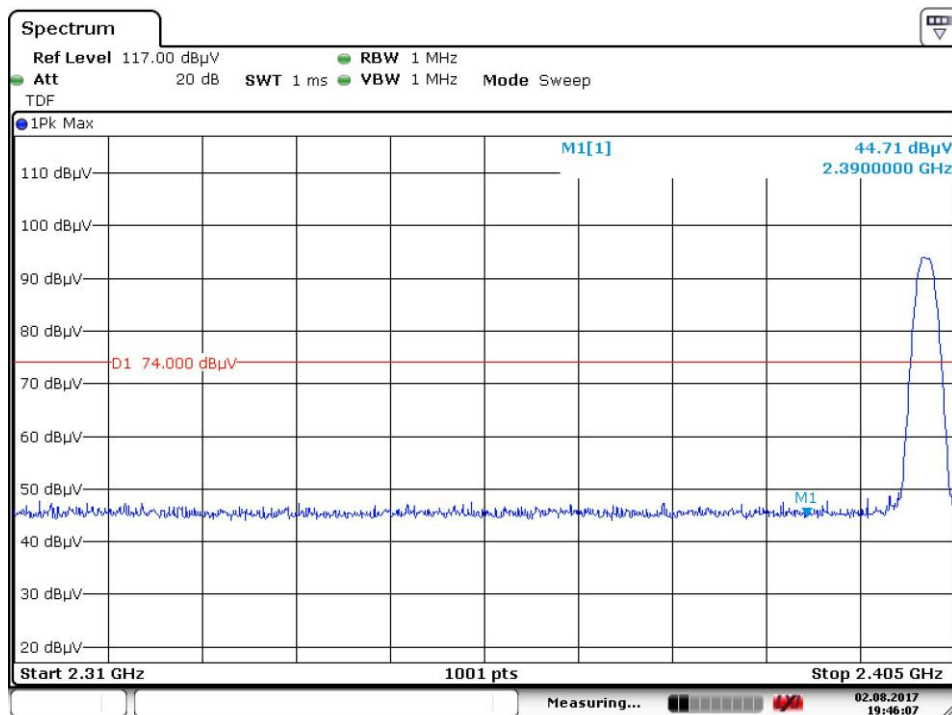


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Low Channel (Ver)



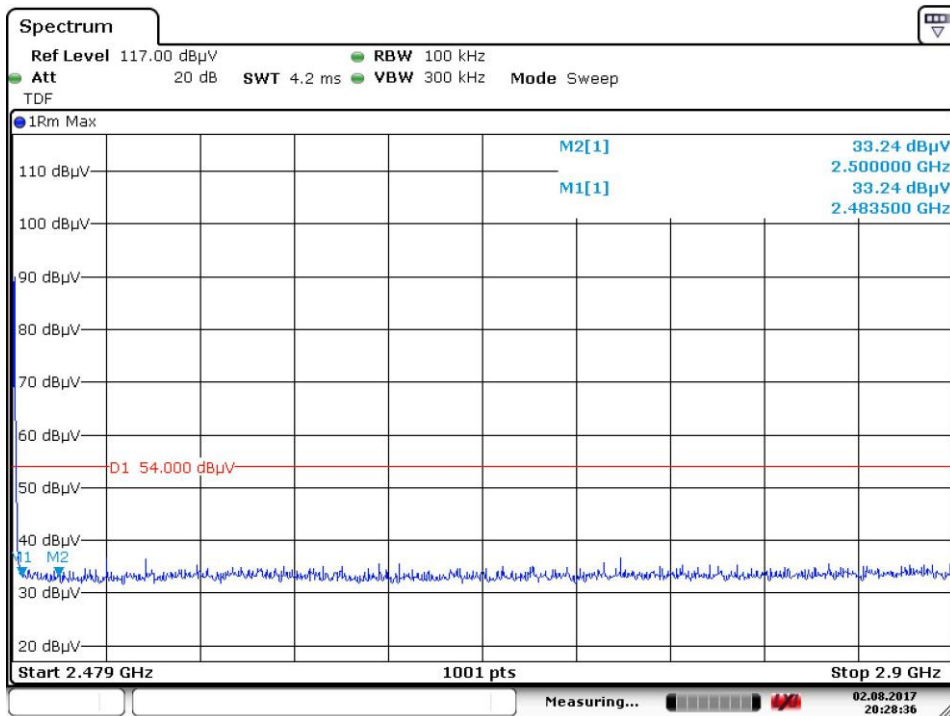
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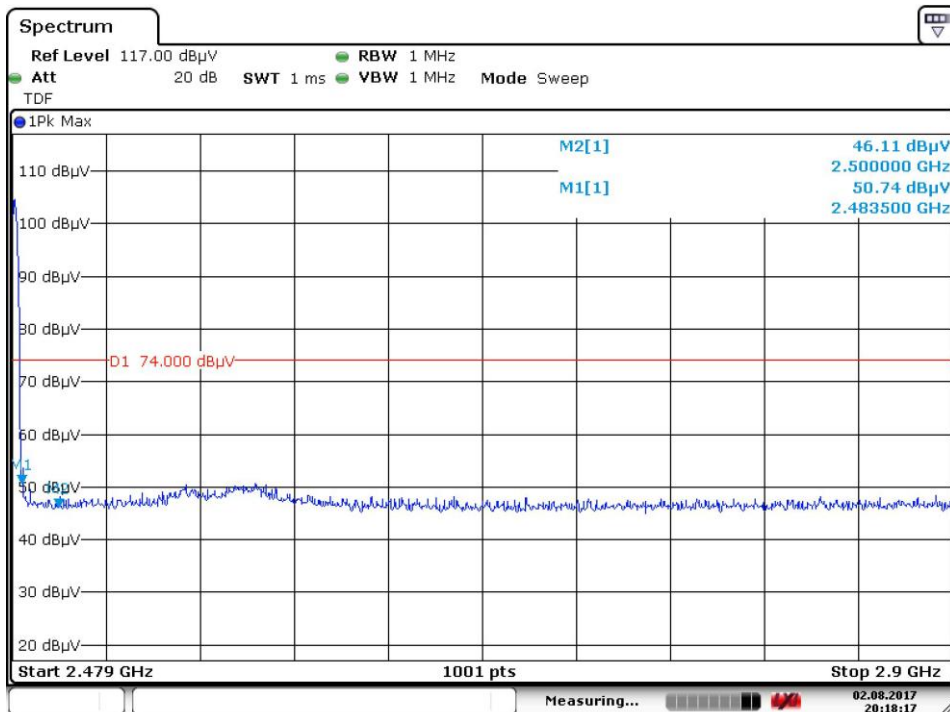
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Radiated Bandedge (GFSK)

High Channel (Hor)

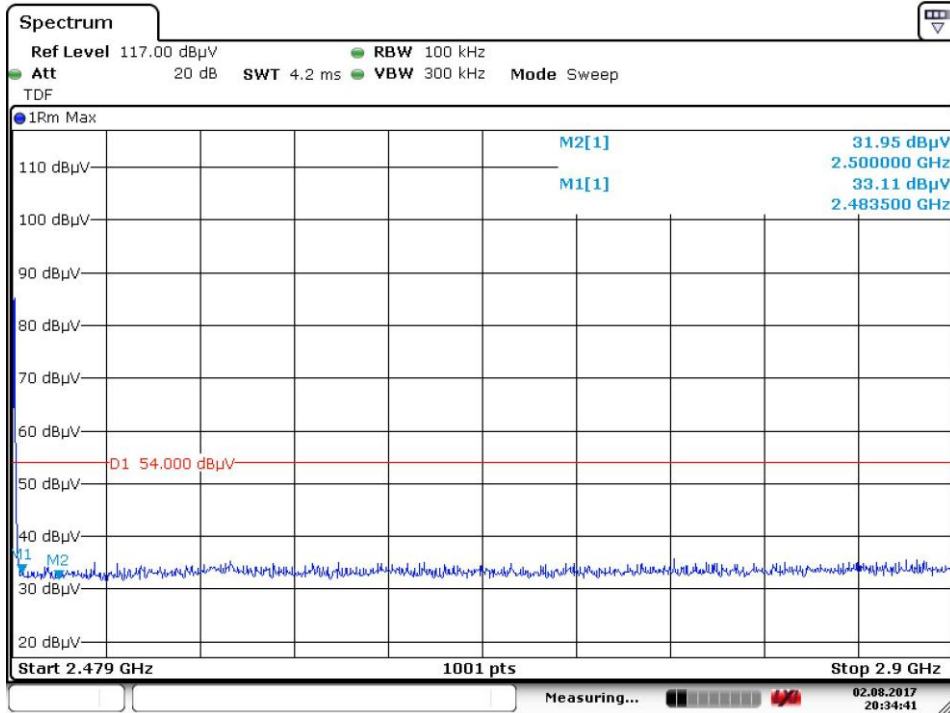


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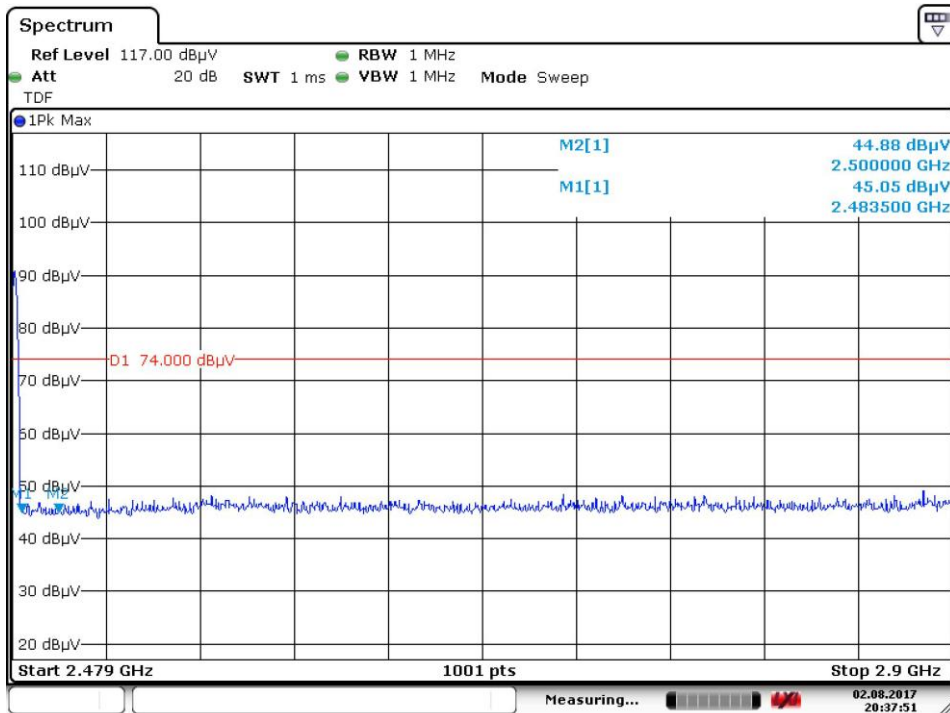


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High Channel (Ver)



Date: 2.AUG.2017 20:34:41



Date: 2.AUG.2017 20:37:51

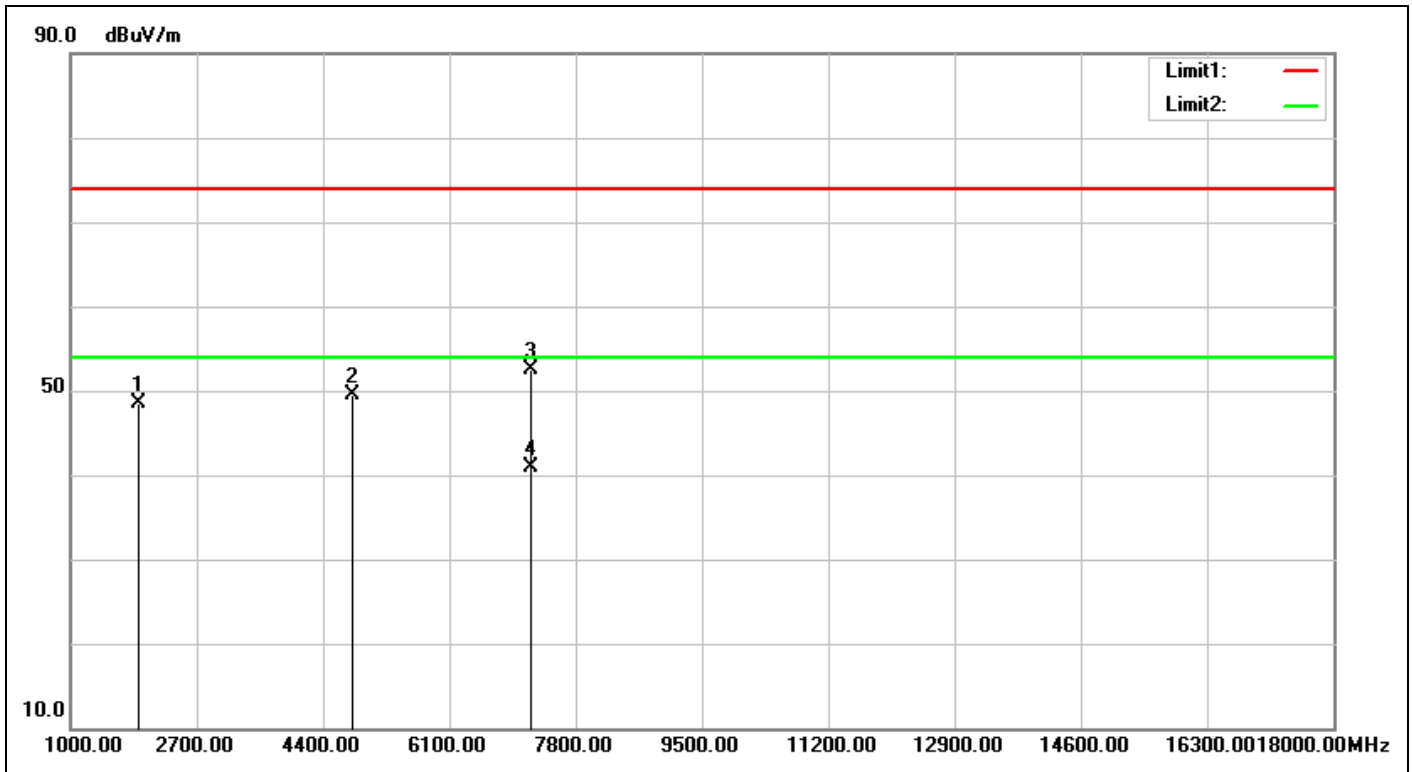
Spurious Emissions, TX Mode, 1-18G



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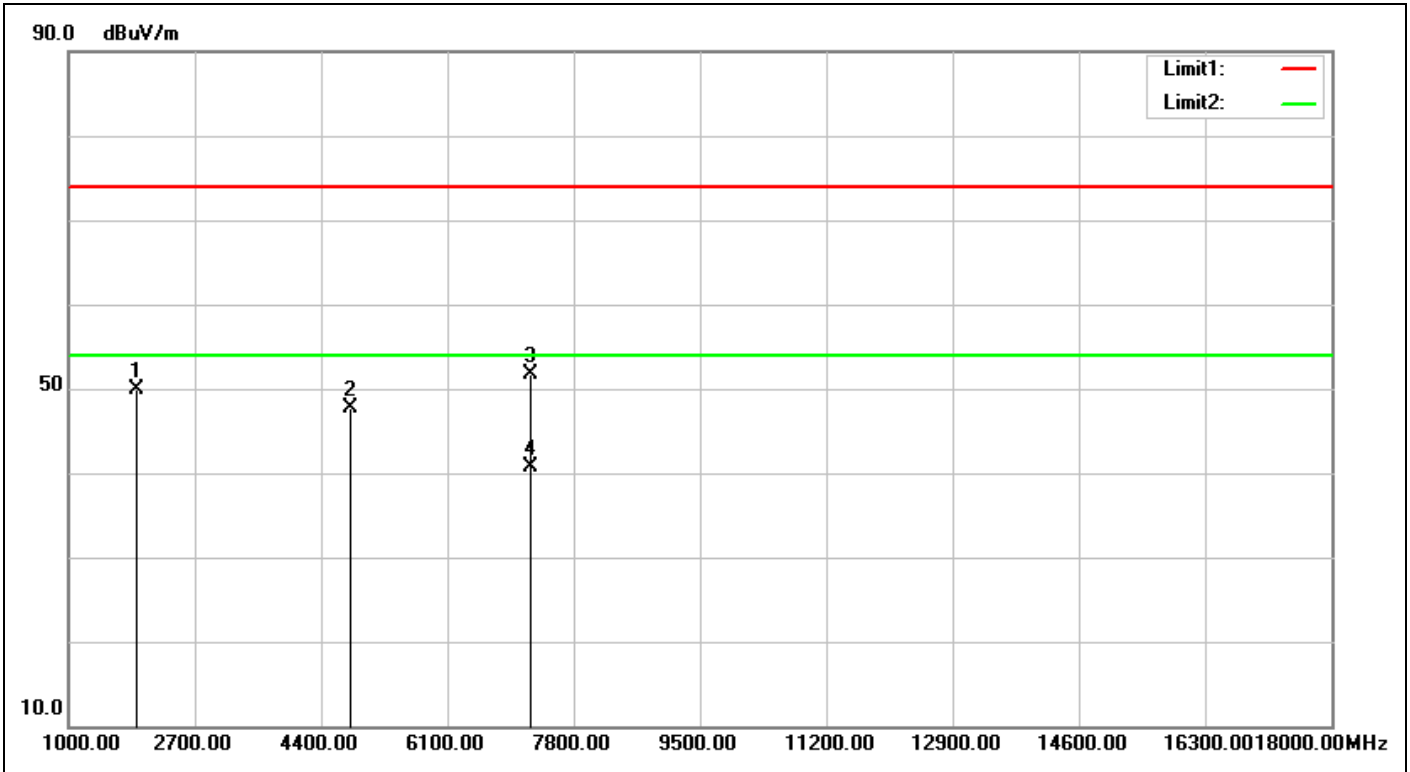
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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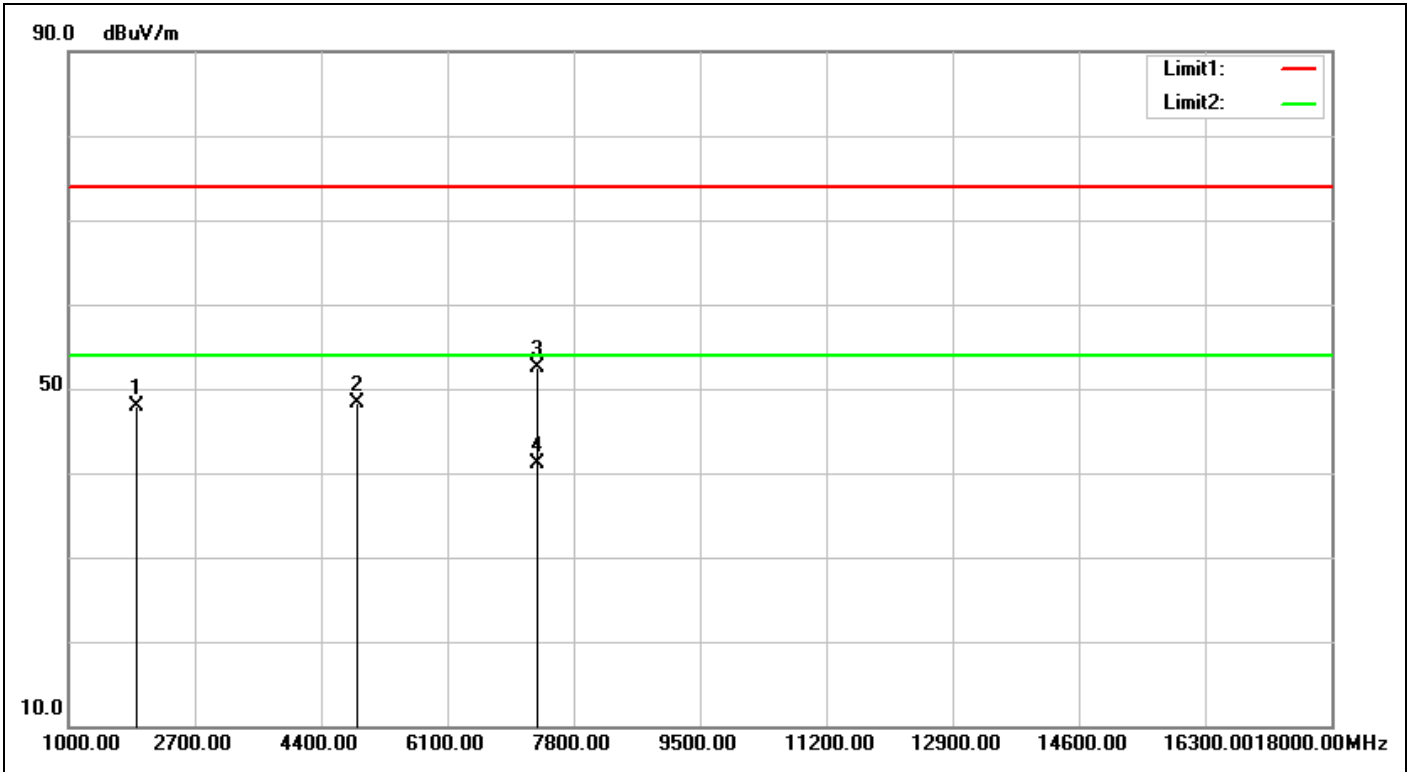
Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 21:14:45
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	55.19	48.56	74.00	-25.44	peak	100	263	
2	4804.000	-0.38	49.83	49.45	74.00	-24.55	peak	100	166	
3	7206.000	8.07	44.42	52.49	74.00	-21.51	peak	100	216	
4	7206.000	8.07	32.86	40.93	54.00	-13.07	AVG	100	216	



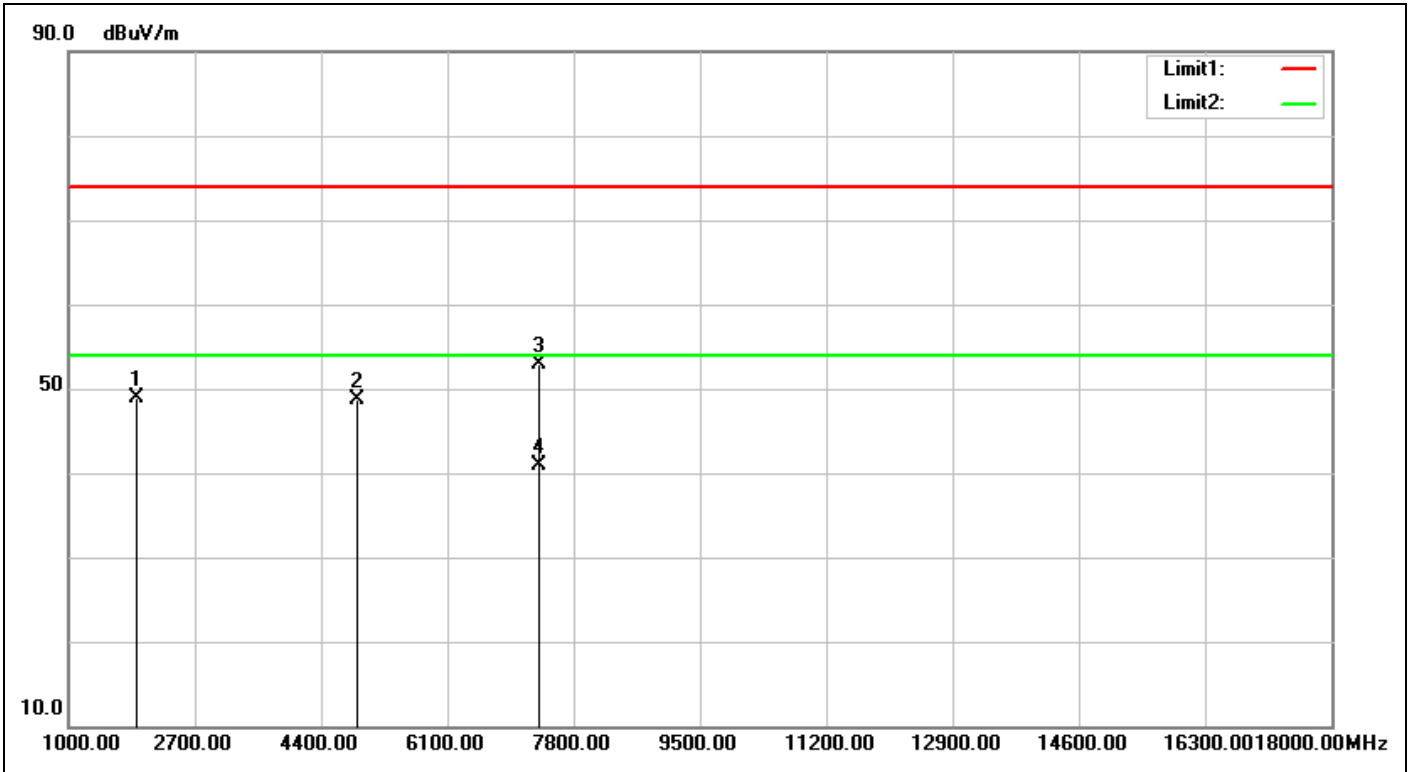
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 21:15:48
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	56.48	49.85	74.00	-24.15	peak	100	315	
2	4804.000	-0.38	48.10	47.72	74.00	-26.28	peak	100	270	
3	7206.000	8.07	43.63	51.70	74.00	-22.30	peak	100	135	
4	7206.000	8.07	32.62	40.69	54.00	-13.31	AVG	100	135	



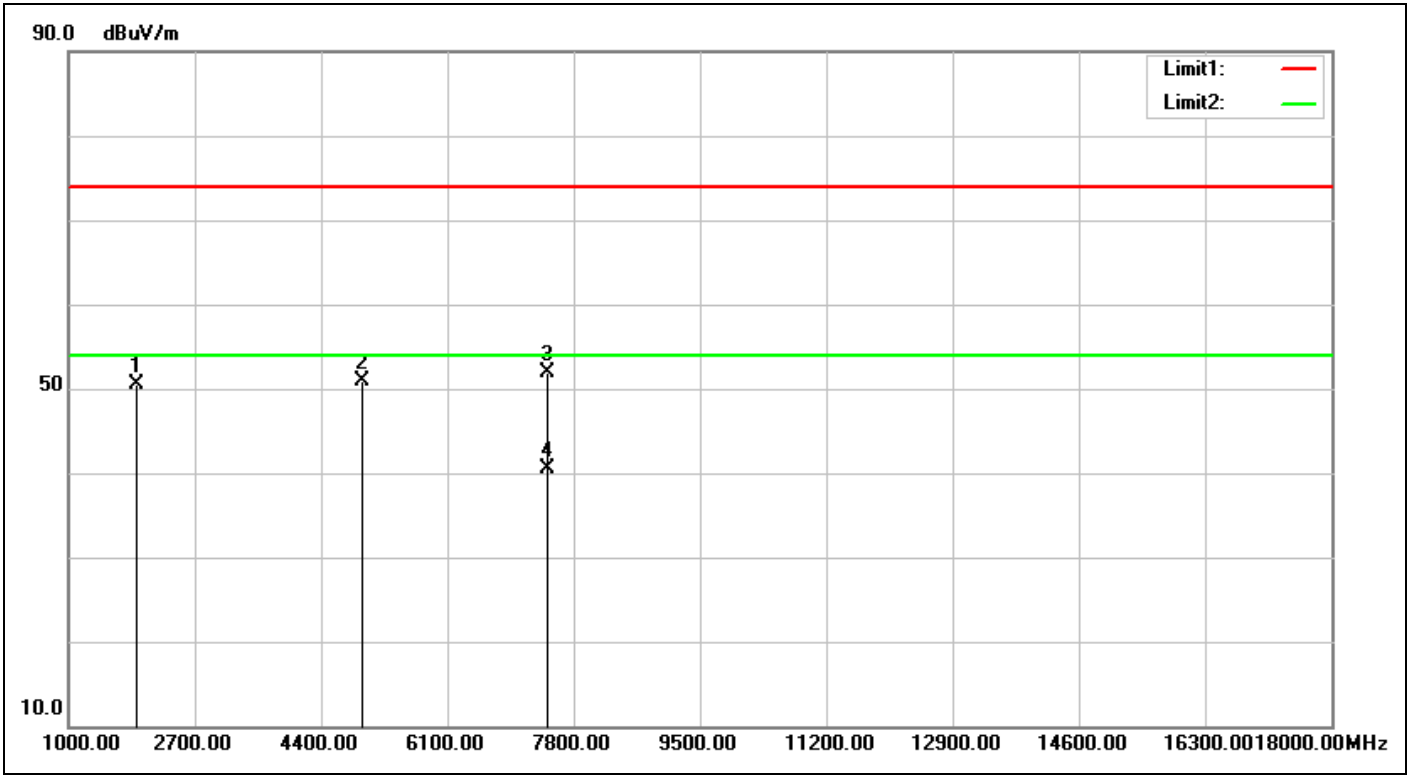
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Test item:	Radiation Emission	Test Time:	2017/8/2 21:19:14
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	54.46	47.83	74.00	-26.17	peak	100	286	
2	4880.000	-0.24	48.51	48.27	74.00	-25.73	peak	100	305	
3	7320.000	8.41	44.03	52.44	74.00	-21.56	peak	100	299	
4	7320.000	8.41	32.71	41.12	54.00	-12.88	AVG	100	299	



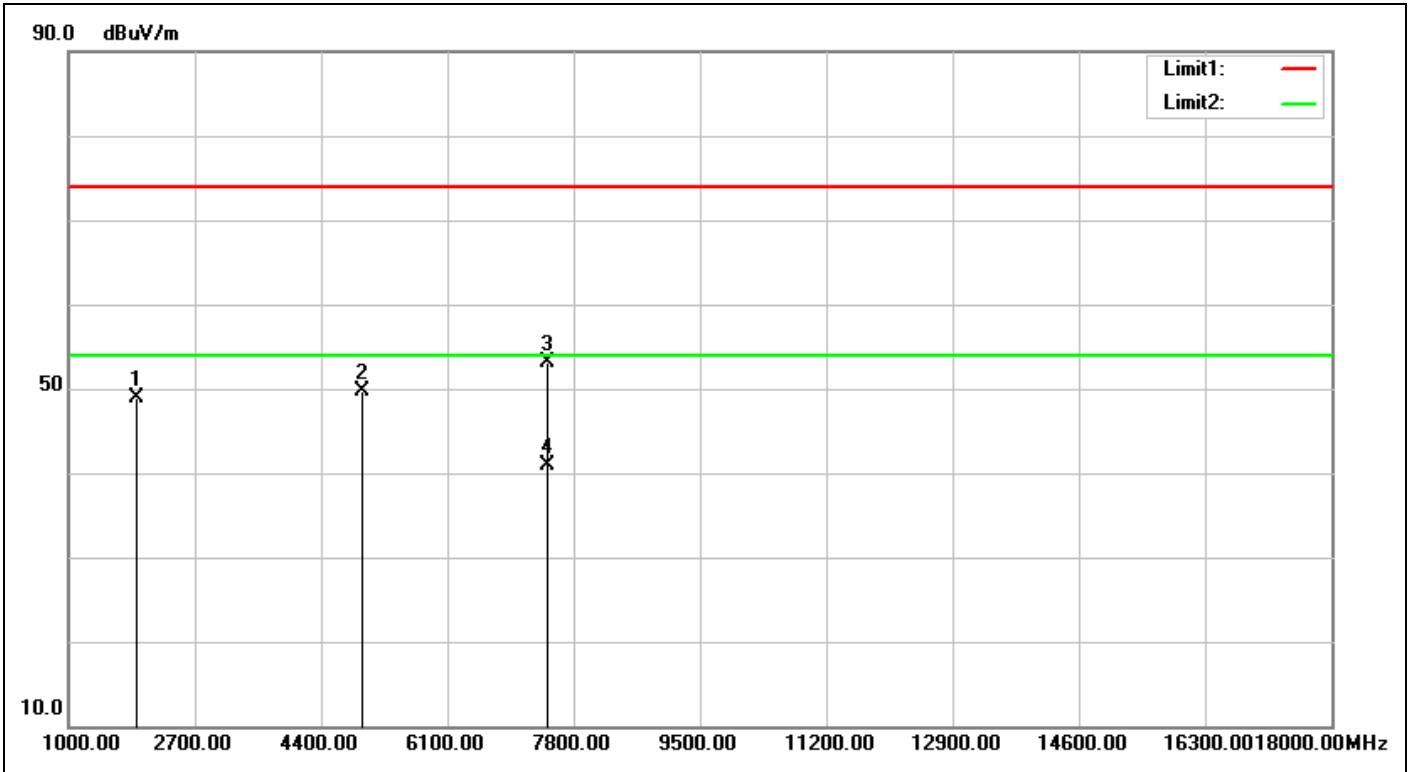
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 21:20:16
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	55.47	48.84	74.00	-25.16	peak	100	309	
2	4880.000	-0.24	48.97	48.73	74.00	-25.27	peak	100	337	
3	7320.000	8.41	44.58	52.99	74.00	-21.01	peak	100	257	
4	7320.000	8.41	32.48	40.89	54.00	-13.11	AVG	100	257	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 21:28:44
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	57.14	50.51	74.00	-23.49	peak	100	359	
2	4960.000	-0.09	50.98	50.89	74.00	-23.11	peak	100	86	
3	7440.000	8.75	43.17	51.92	74.00	-22.08	peak	100	308	
4	7440.000	8.75	31.67	40.42	54.00	-13.58	AVG	100	308	



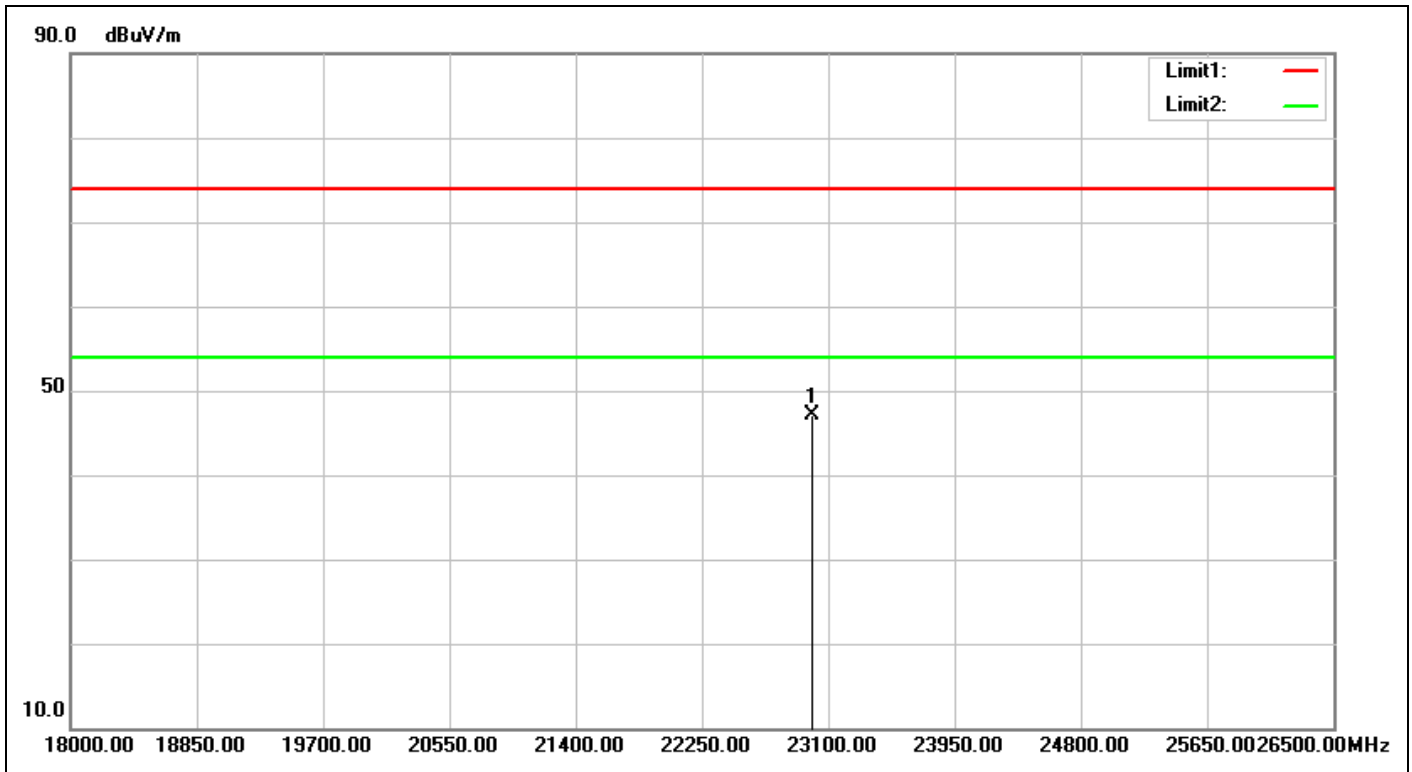
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 21:29:47
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	55.62	48.99	74.00	-25.01	peak	100	137	
2	4960.000	-0.09	49.72	49.63	74.00	-24.37	peak	100	268	
3	7440.000	8.75	44.34	53.09	74.00	-20.91	peak	100	329	
4	7440.000	8.75	32.20	40.95	54.00	-13.05	AVG	100	329	

Spurious Emissions, TX Mode, 18-26G

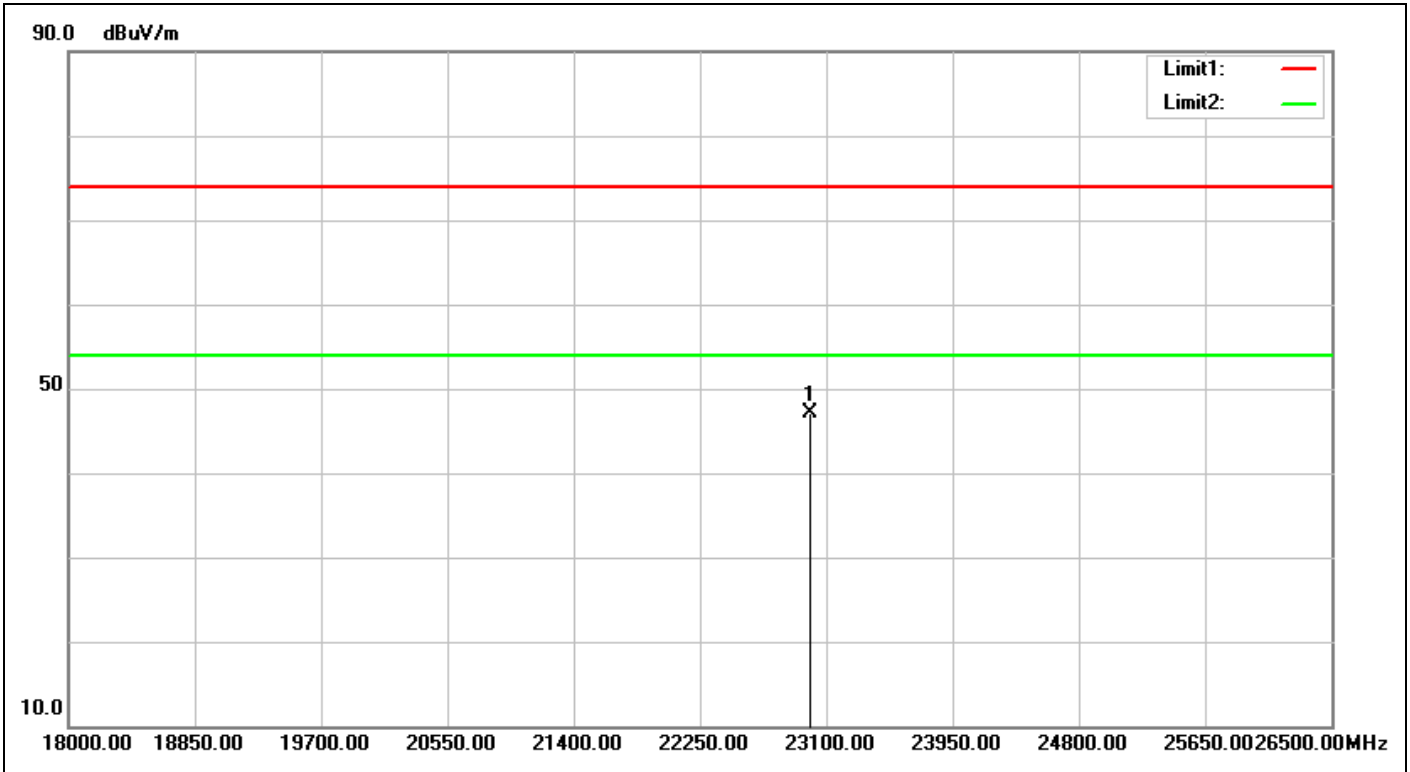


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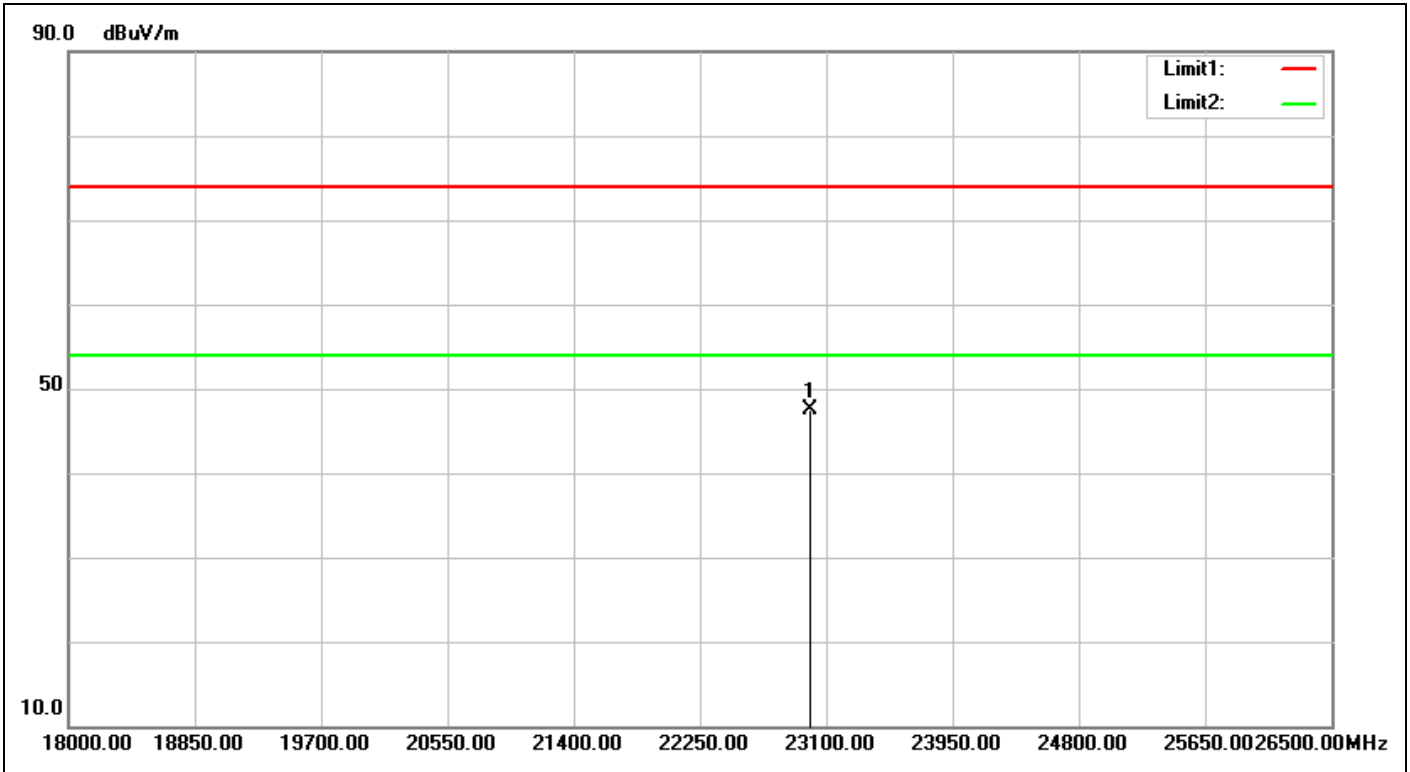
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 22:24:42
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22989.500	32.09	14.95	47.04	74.00	-26.96	peak	100	316	



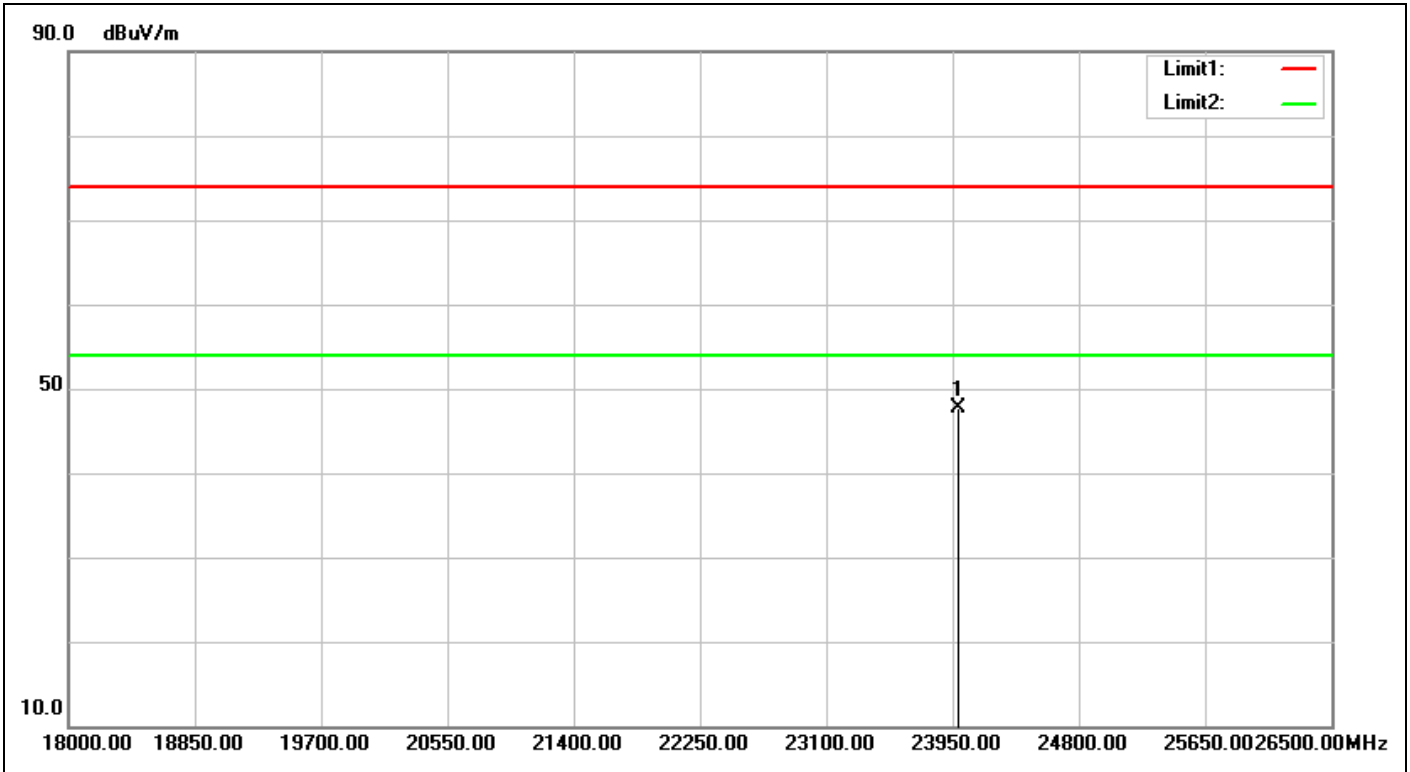
Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 22:25:45
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22989.500	32.09	15.06	47.15	74.00	-26.85	peak	100	13	



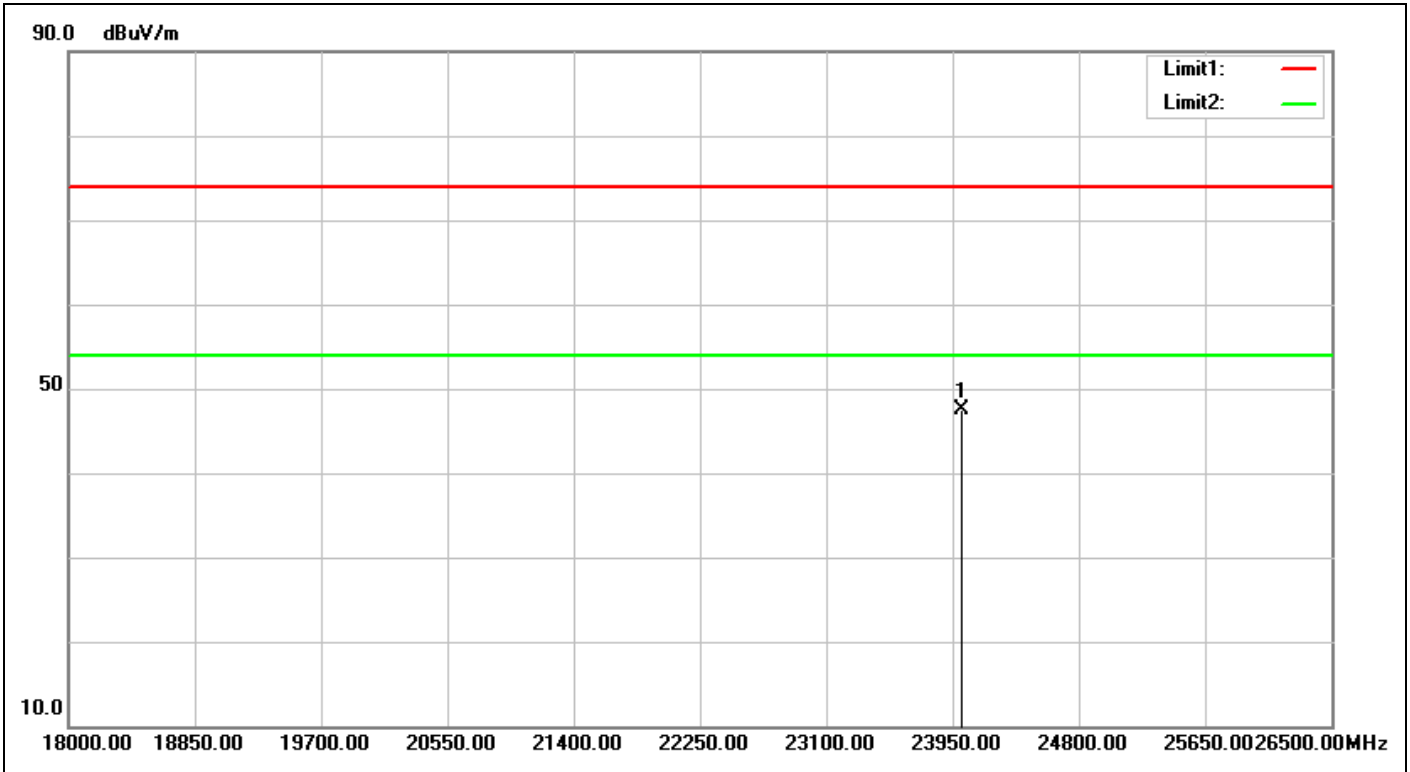
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 22:27:10
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22989.500	32.09	15.48	47.57	74.00	-26.43	peak	100	316	



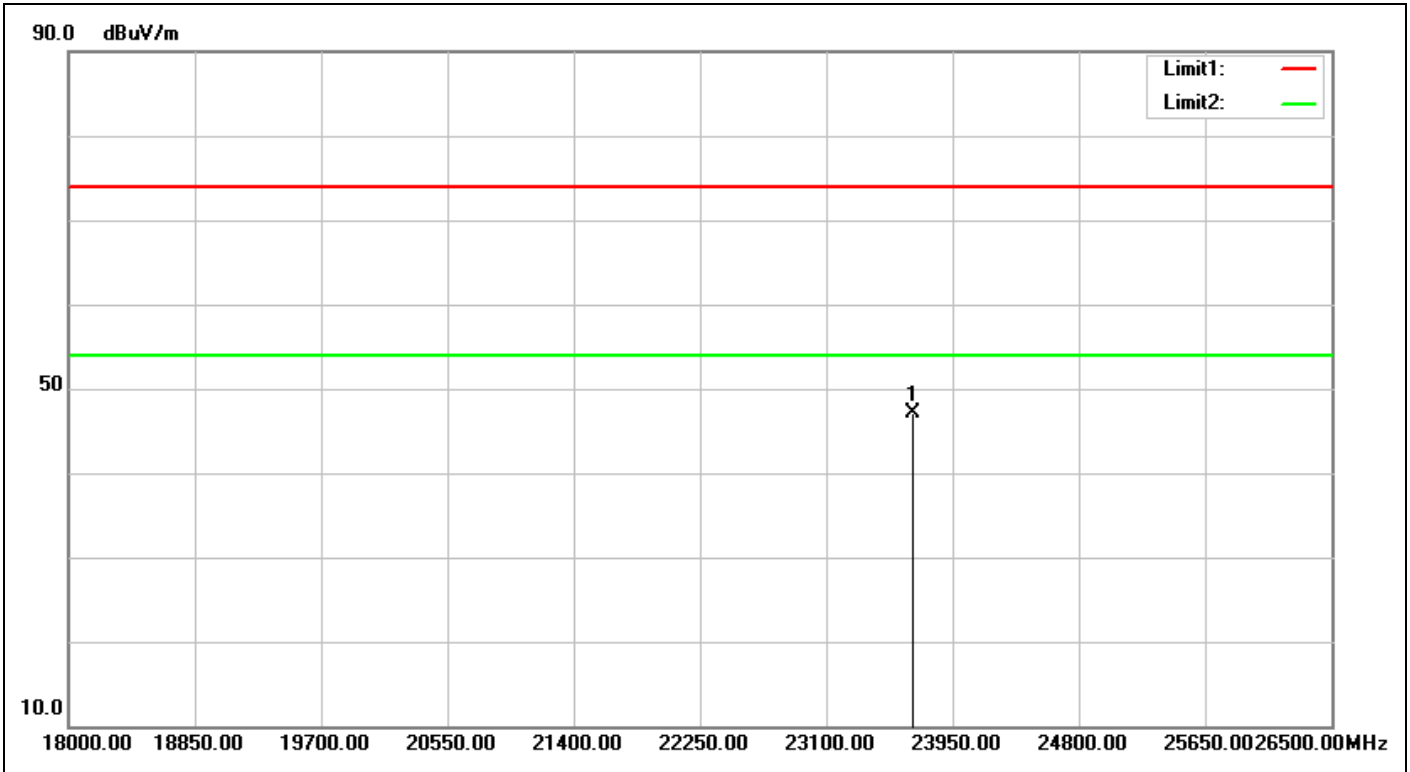
Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 22:28:13
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23992.500	31.85	15.84	47.69	74.00	-26.31	peak	100	268	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 22:29:42
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24009.500	31.85	15.64	47.49	74.00	-26.51	peak	100	319	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 22:30:45
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23686.500	32.30	14.83	47.13	74.00	-26.87	peak	100	163	

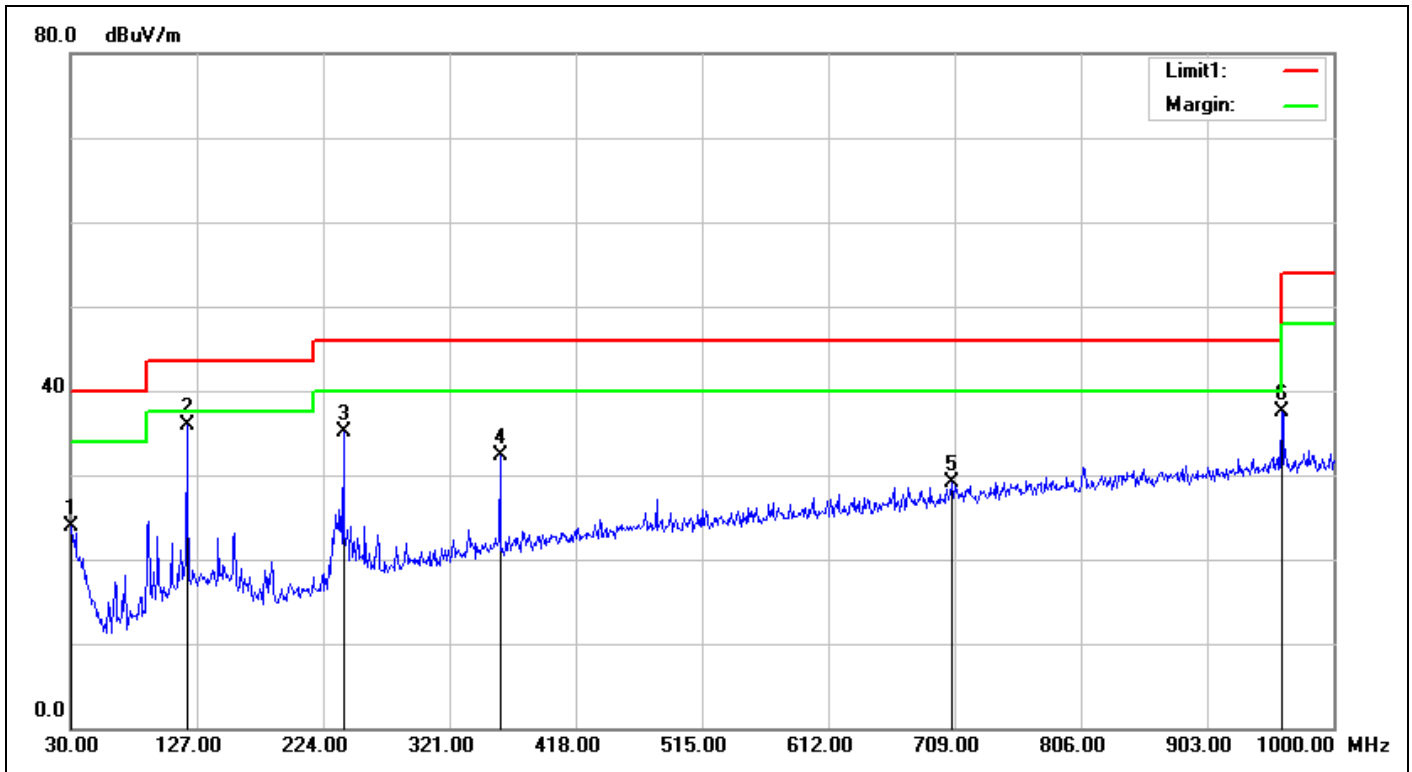
Spurious Emissions, TX Mode, 30M-1G



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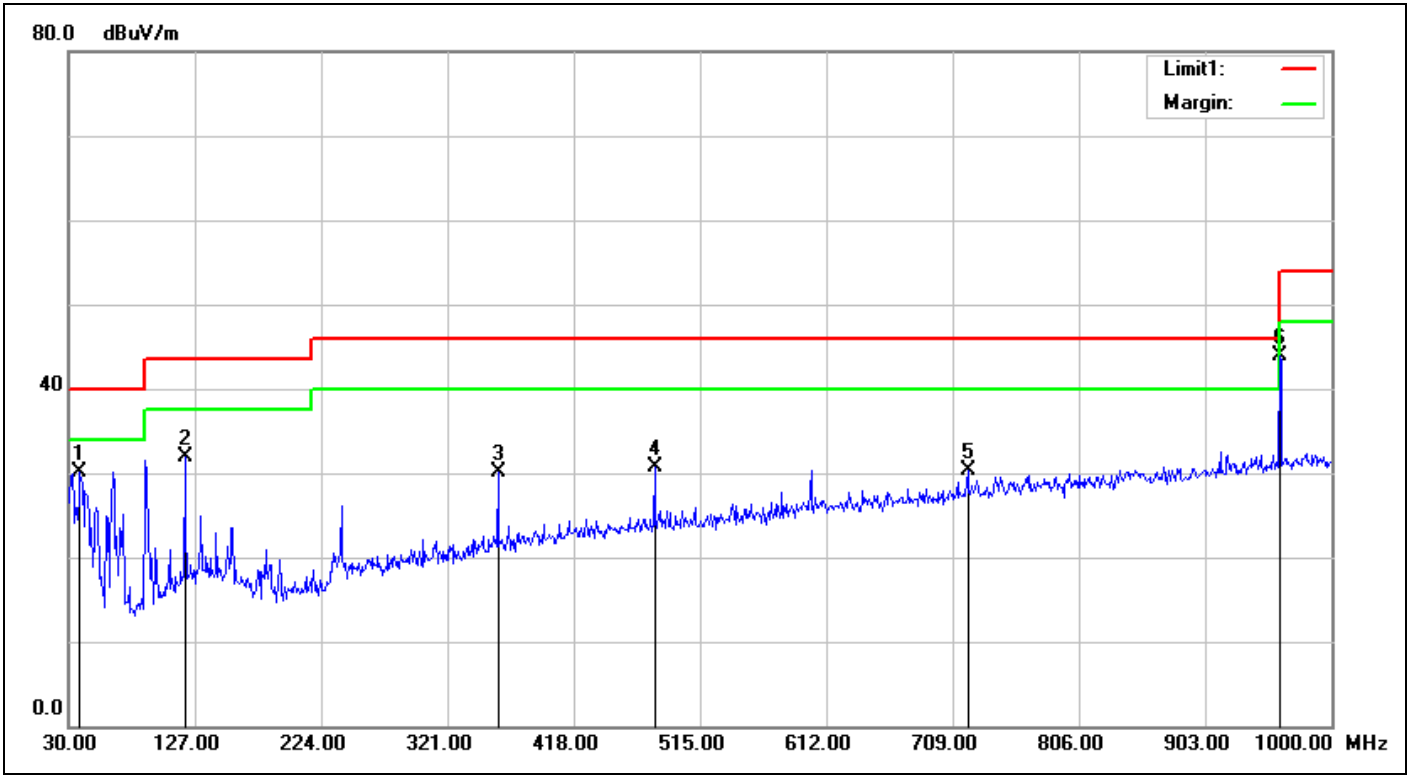
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Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/3 07:54:14
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

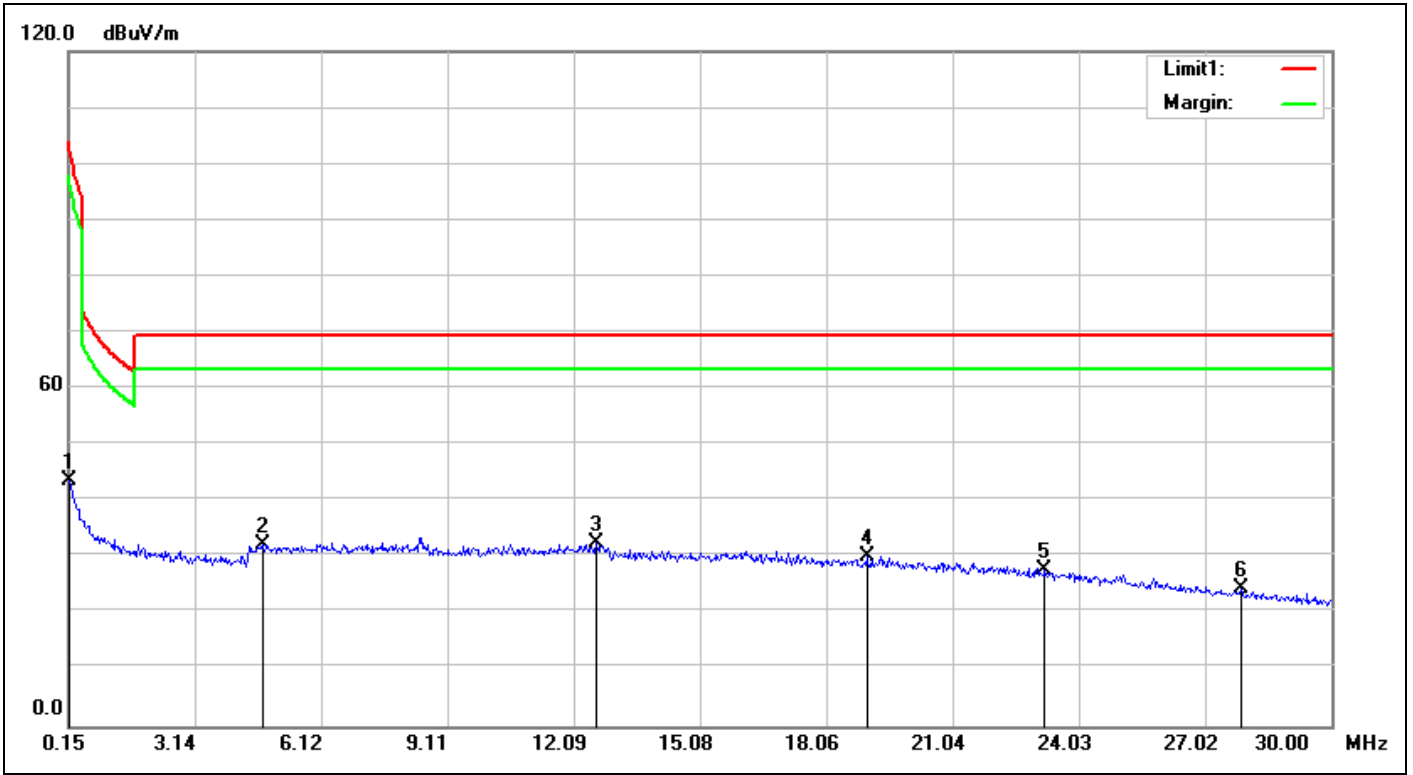
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.08	23.90	23.82	40.00	-16.18	QP	400	105	
2	119.2400	-7.46	43.28	35.82	43.50	-7.68	QP	100	249	
3	239.5200	-6.76	41.89	35.13	46.00	-10.87	QP	200	88	
4	359.8000	-3.24	35.57	32.33	46.00	-13.67	QP	300	70	
5	707.0599	1.26	27.85	29.11	46.00	-16.89	QP	200	193	
6	960.2300	5.46	32.05	37.51	54.00	-16.49	QP	300	188	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/3 07:59:17
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38.7300	-5.05	35.17	30.12	40.00	-9.88	QP	100	314	
2	119.2400	-7.46	39.35	31.89	43.50	-11.61	QP	200	194	
3	359.8000	-3.24	33.35	30.11	46.00	-15.89	QP	104	226	
4	480.0800	-1.54	32.21	30.67	46.00	-15.33	QP	100	178	
5	720.6400	1.61	28.71	30.32	46.00	-15.68	QP	100	213	
6	960.2300	5.46	38.44	43.90	54.00	-10.10	QP	100	242	

Spurious Emissions, TX Mode, 150K-30M



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/3 08:20:42
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	24.63	43.71	104.08	-60.37	QP	100	328	
2	4.7469	19.60	12.64	32.24	69.50	-37.26	QP	100	295	
3	12.6273	20.69	11.73	32.42	69.50	-37.08	QP	100	127	
4	19.0152	21.81	8.48	30.29	69.50	-39.21	QP	100	194	
5	23.2240	22.20	5.57	27.77	69.50	-41.73	QP	100	257	
6	27.8508	22.51	1.83	24.34	69.50	-45.16	QP	100	103	

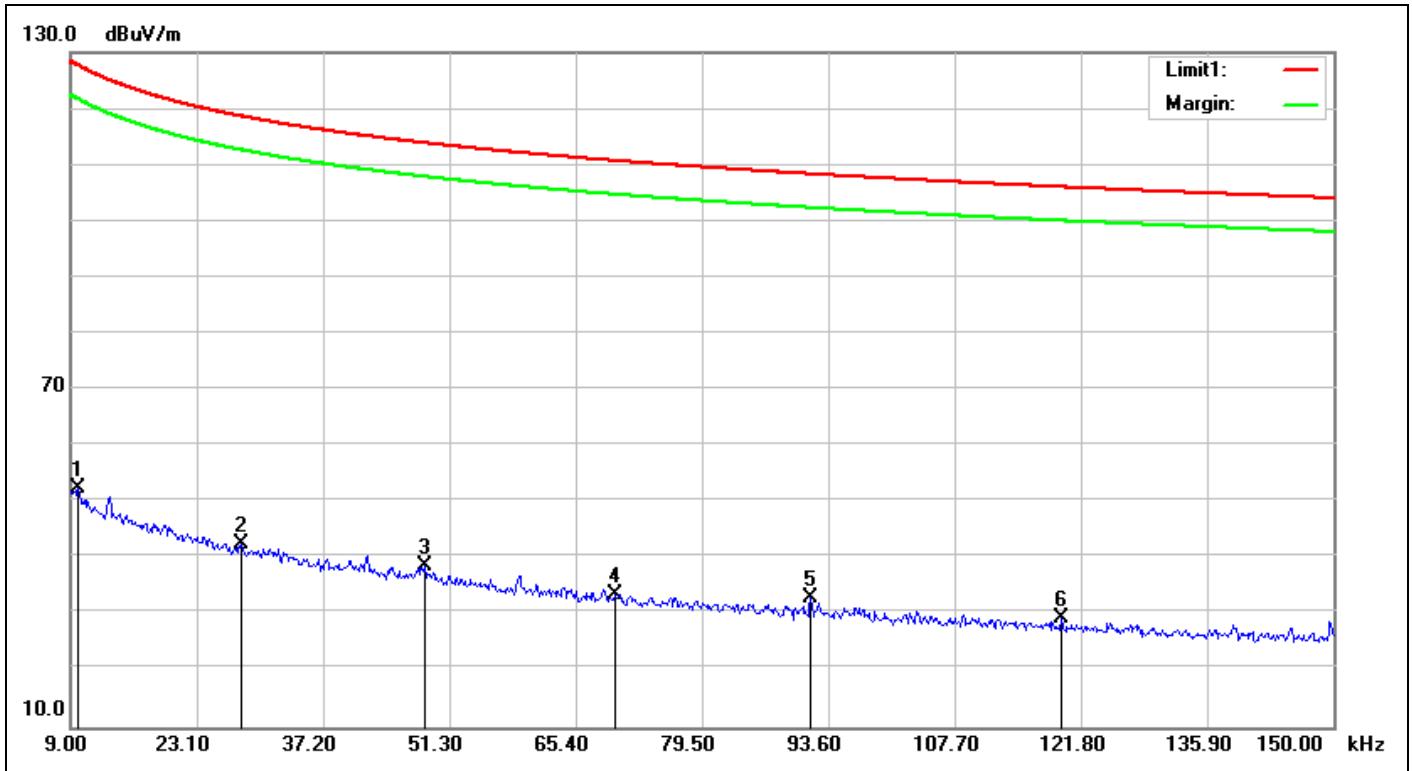
Spurious Emissions, TX Mode, 9K-150K



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Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/3 08:18:15
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	19.85	32.57	52.42	127.76	-75.34	QP	100	245	
2	0.0280	20.11	22.44	42.55	118.65	-76.10	QP	100	324	
3	0.0486	19.48	19.09	38.57	113.86	-75.29	QP	100	106	
4	0.0698	19.31	14.35	33.66	110.72	-77.06	QP	100	227	
5	0.0916	19.18	13.63	32.81	108.36	-75.55	QP	100	85	
6	0.1197	19.11	10.12	29.23	106.04	-76.81	QP	100	115	

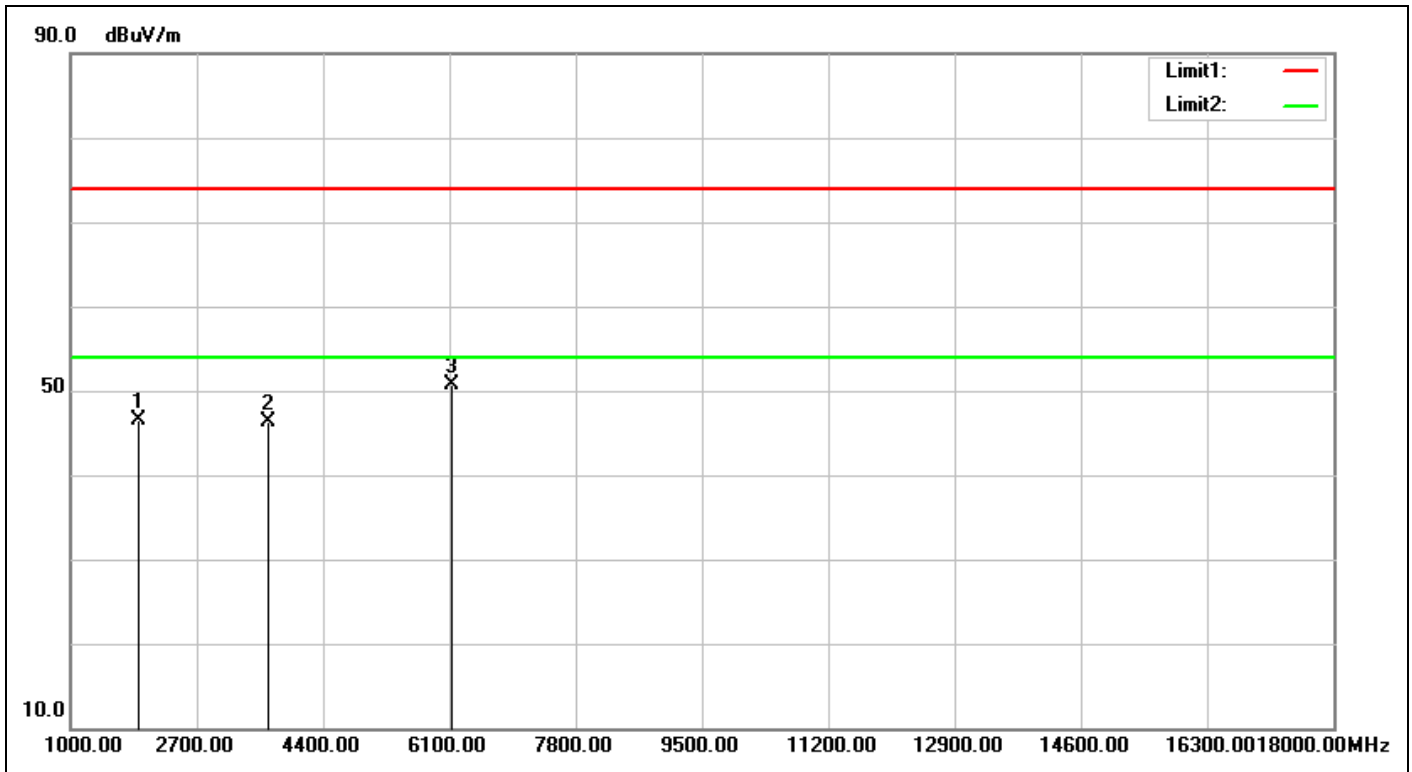
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

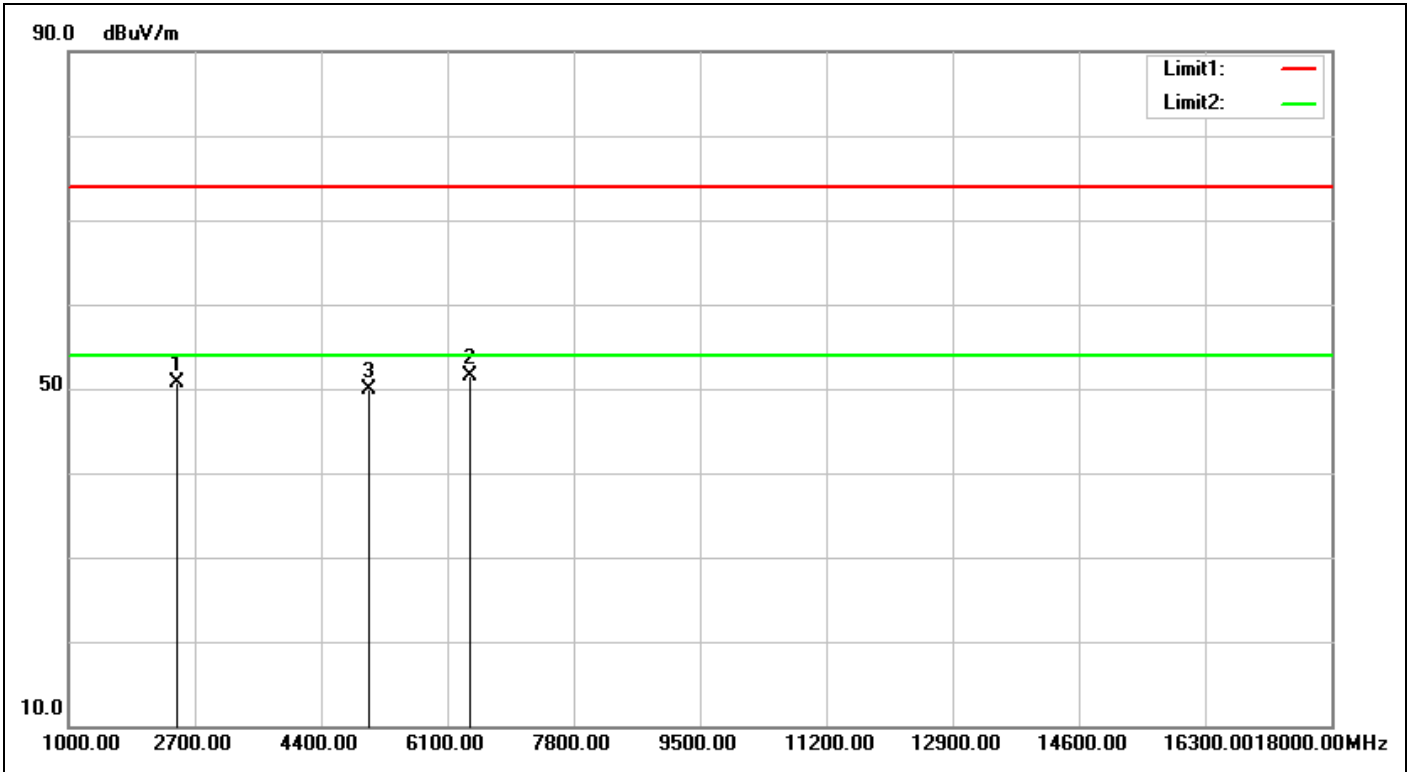
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 21:36:30
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-6.63	53.09	46.46	74.00	-27.54	peak	100	360	
2	3669.000	-3.78	50.12	46.34	74.00	-27.66	peak	100	288	
3	6134.000	6.43	44.34	50.77	74.00	-23.23	peak	100	141	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 21:37:33
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2462.000	-5.85	56.56	50.71	74.00	-23.29	peak	100	221	
2	6406.000	7.54	44.06	51.60	74.00	-22.40	peak	100	346	
3	5046.000	0.22	49.78	50.00	74.00	-24.00	peak	100	301	

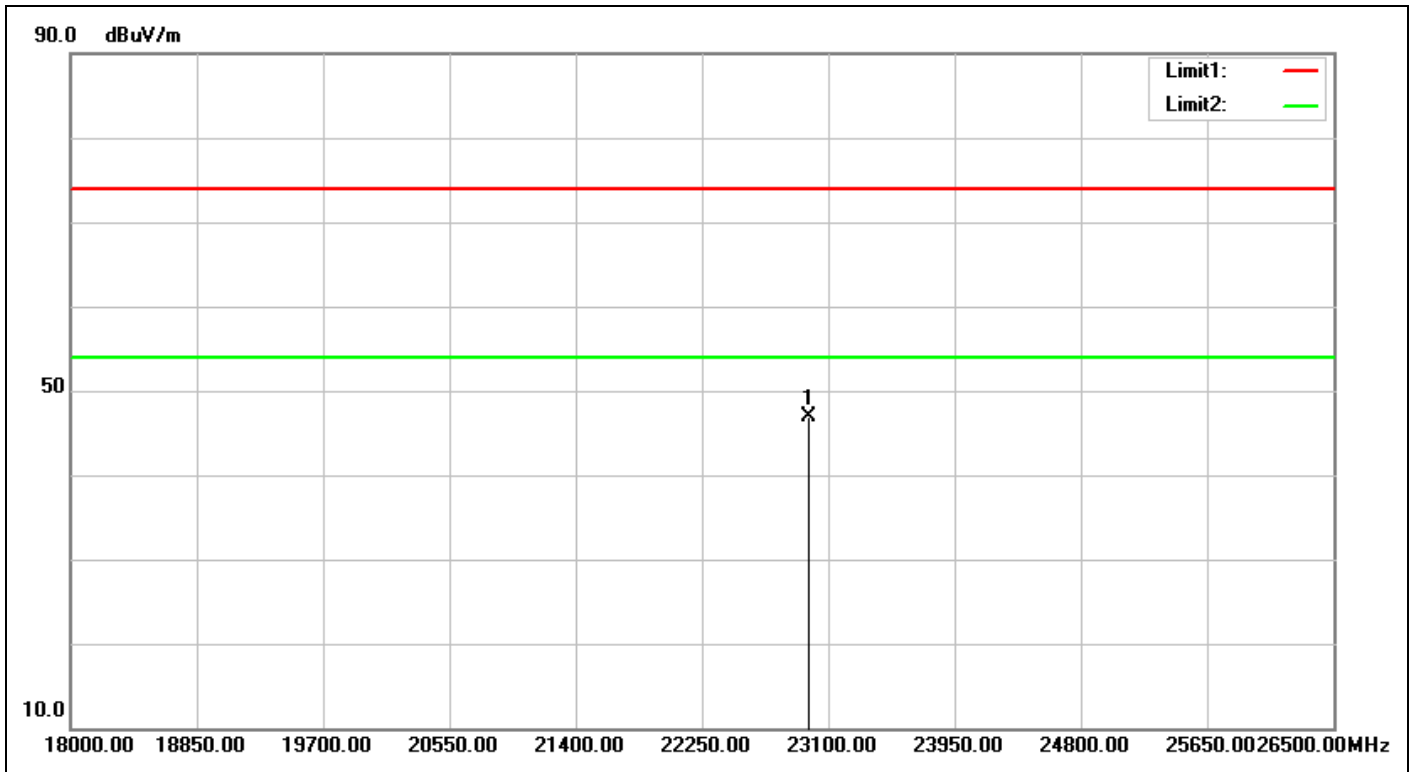
Spurious Emissions, RX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

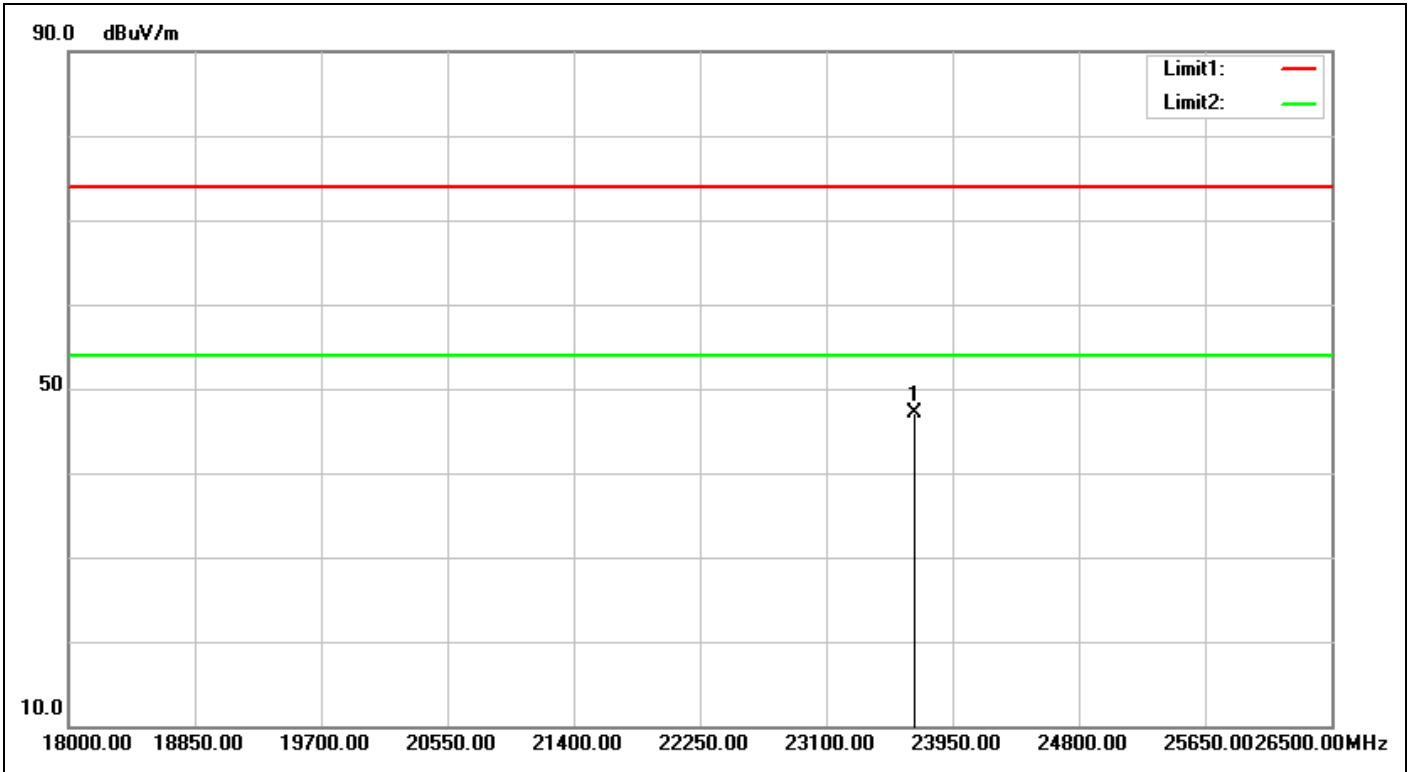
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/2 22:21:16
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22972.500	32.10	14.73	46.83	74.00	-27.17	peak	100	106	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/2 22:22:19
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	23.1(°C)/49%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23695.000	32.28	14.79	47.07	74.00	-26.93	peak	100	227	

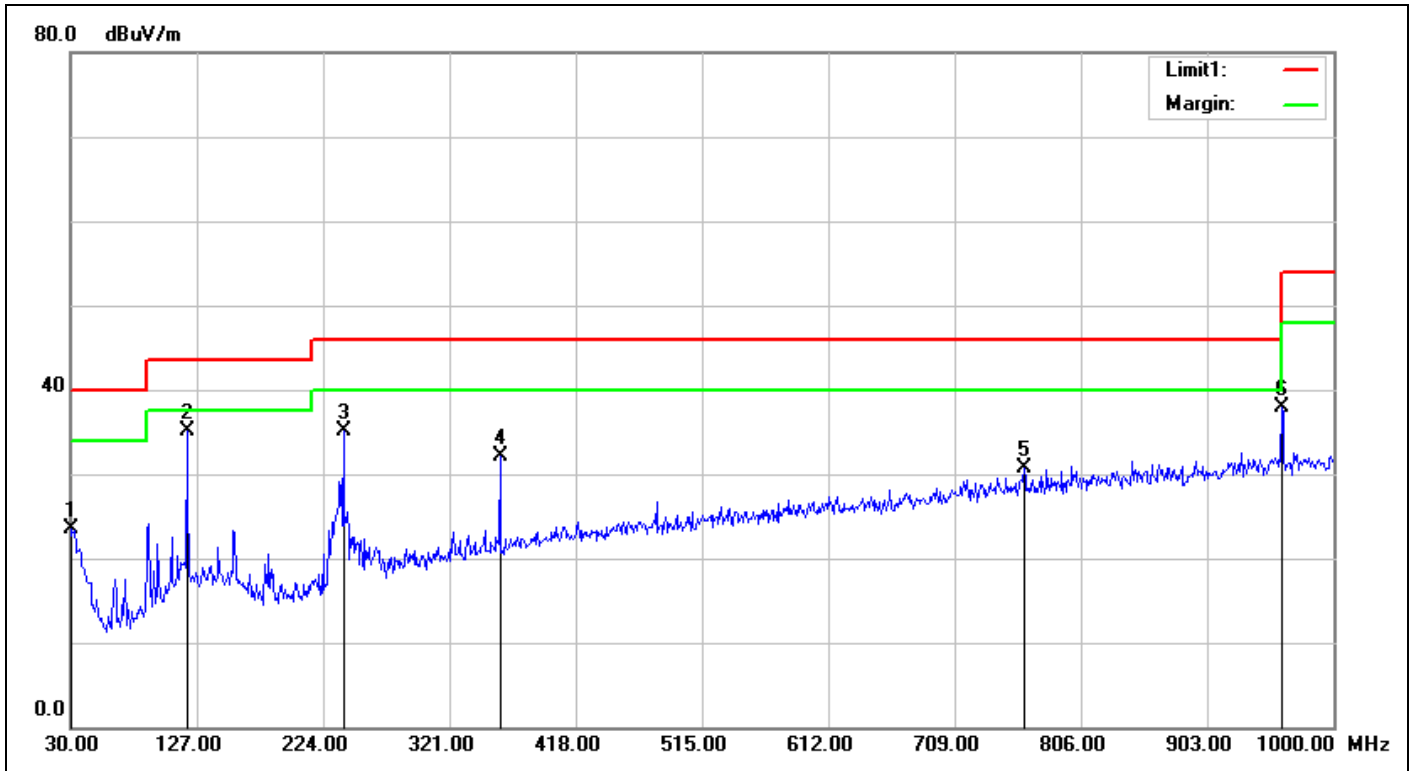
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

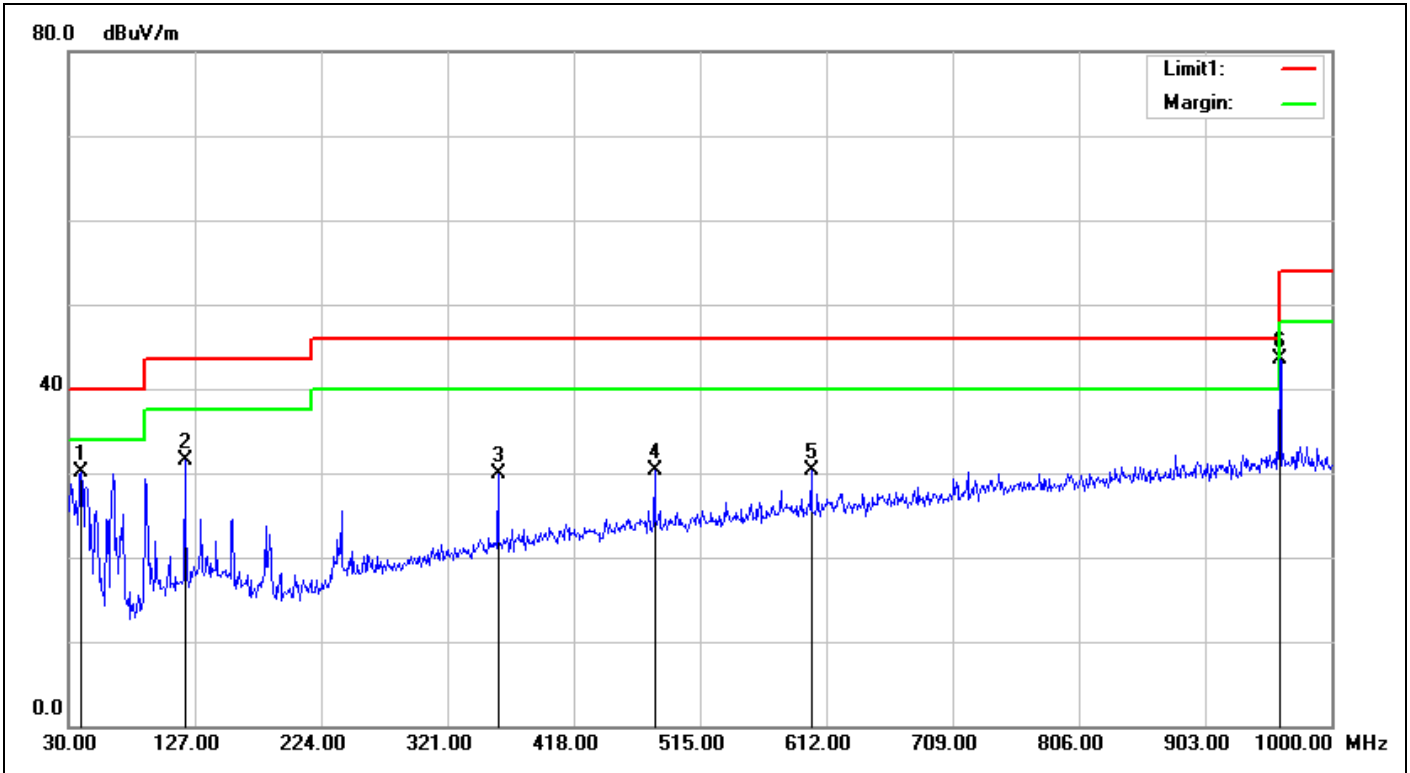
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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



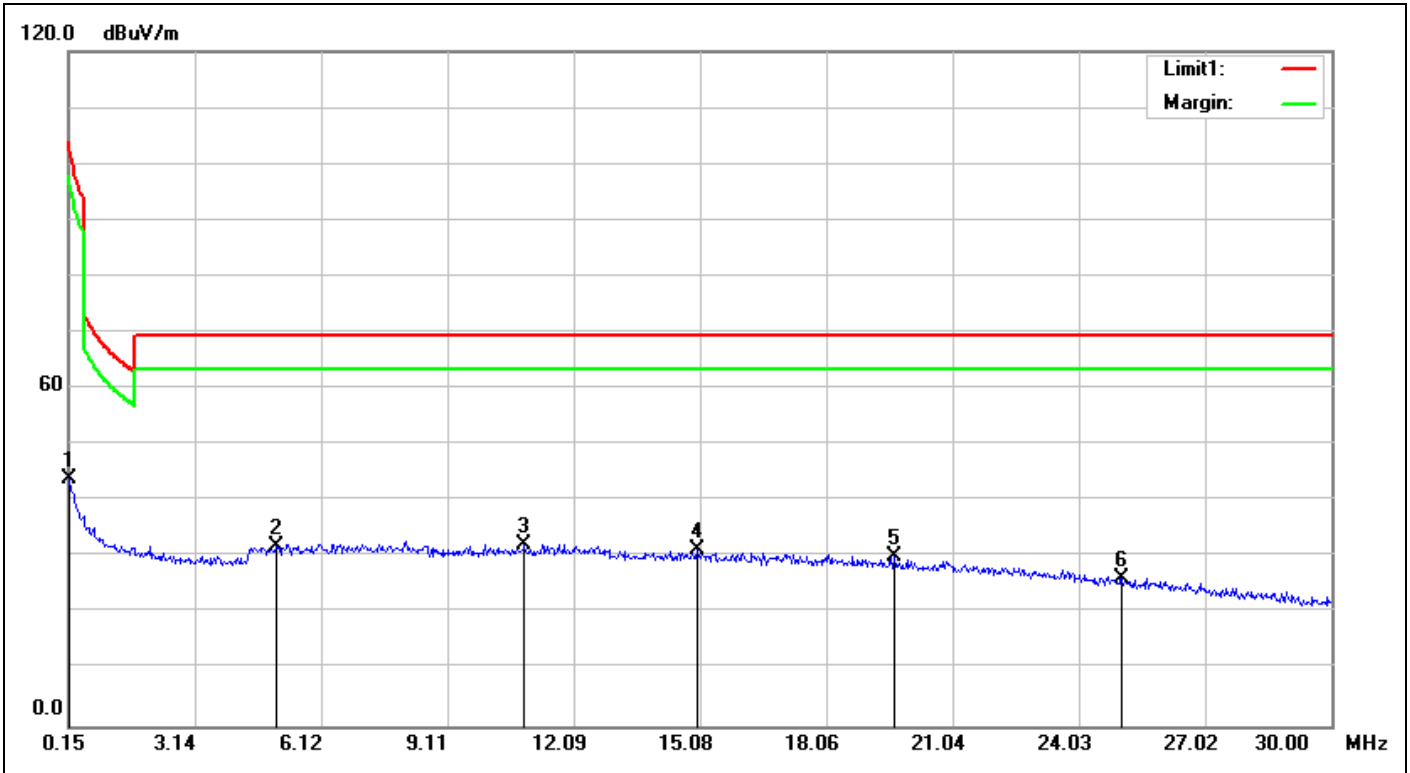
Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/3 08:05:07
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.08	23.56	23.48	40.00	-16.52	QP	400	276	
2	119.2400	-7.46	42.56	35.10	43.50	-8.40	QP	100	246	
3	239.5200	-6.76	41.96	35.20	46.00	-10.80	QP	100	108	
4	359.8000	-3.24	35.32	32.08	46.00	-13.92	QP	200	305	
5	762.3500	2.49	28.27	30.76	46.00	-15.24	QP	200	171	
6	960.2300	5.46	32.44	37.90	54.00	-16.10	QP	300	177	



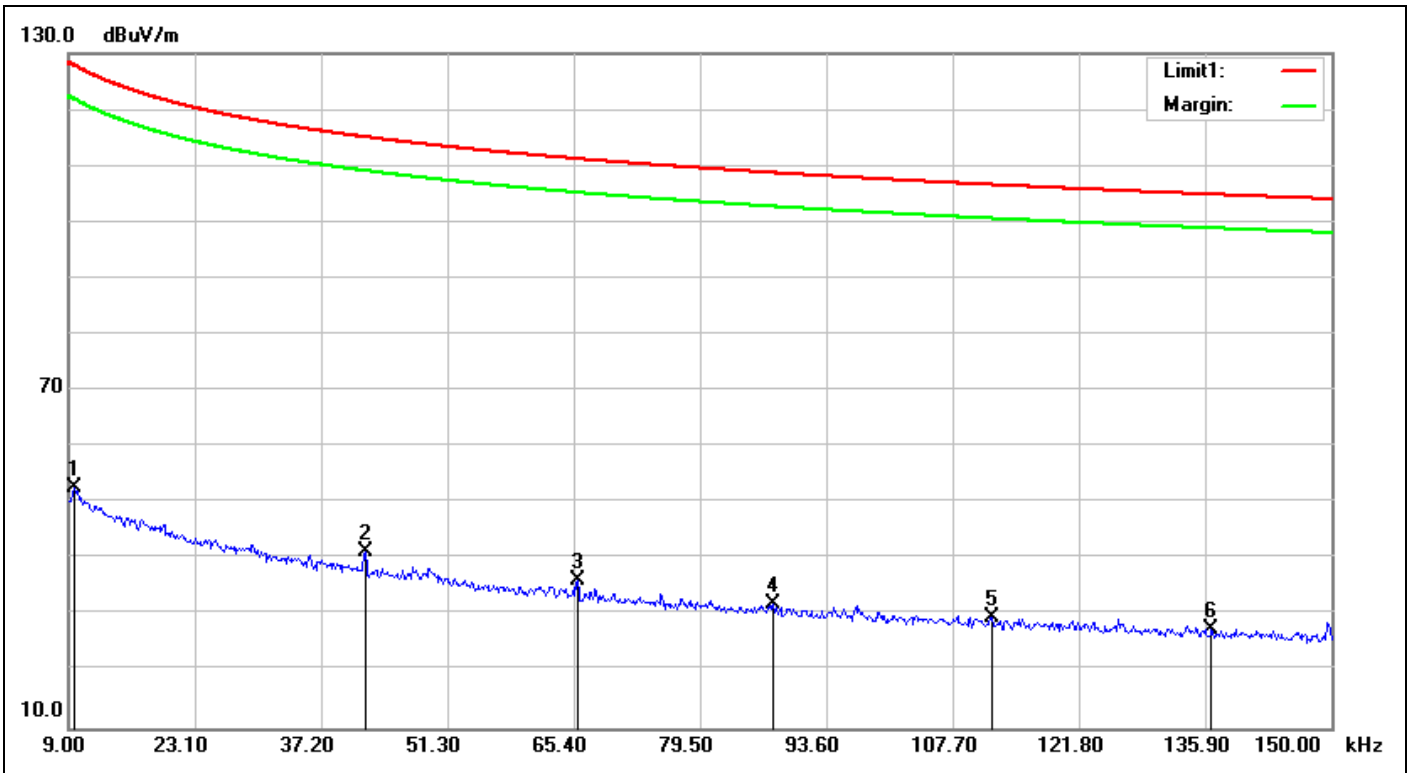
Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/3 08:10:11
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	39.7000	-5.61	35.66	30.05	40.00	-9.95	QP	100	213	
2	119.2400	-7.46	38.94	31.48	43.50	-12.02	QP	100	186	
3	359.8000	-3.24	33.21	29.97	46.00	-16.03	QP	100	226	
4	480.0800	-1.54	31.89	30.35	46.00	-15.65	QP	100	181	
5	600.3600	-0.06	30.42	30.36	46.00	-15.64	QP	100	346	
6	960.2300	5.46	37.99	43.45	54.00	-10.55	QP	100	237	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/3 08:13:57
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	19.06	24.87	43.93	102.50	-58.57	QP	100	68	
2	5.0752	19.77	12.32	32.09	69.50	-37.41	QP	100	157	
3	10.9259	20.39	11.89	32.28	69.50	-37.22	QP	100	315	
4	15.0153	21.10	10.24	31.34	69.50	-38.16	QP	100	249	
5	19.6719	21.92	8.22	30.14	69.50	-39.36	QP	100	113	
6	25.0449	22.32	4.06	26.38	69.50	-43.12	QP	100	94	



Service No.:	114066608	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/3 08:12:01
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/42%
Model No.:	BM64SPK1NC1	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	Class 1 ; Shield		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.77	33.13	52.90	127.94	-75.04	QP	100	122	
2	0.0421	19.71	21.55	41.26	115.11	-73.85	QP	100	360	
3	0.0658	19.34	16.82	36.16	111.23	-75.07	QP	100	85	
4	0.0877	19.20	12.75	31.95	108.74	-76.79	QP	100	357	
5	0.1121	19.12	10.62	29.74	106.60	-76.86	QP	100	274	
6	0.1366	19.09	8.40	27.49	104.89	-77.40	QP	100	184	