

Test Report No.10052796 001

Appendix D: Radiated Spurious Emission Data

(File: 10052796AppendixD)

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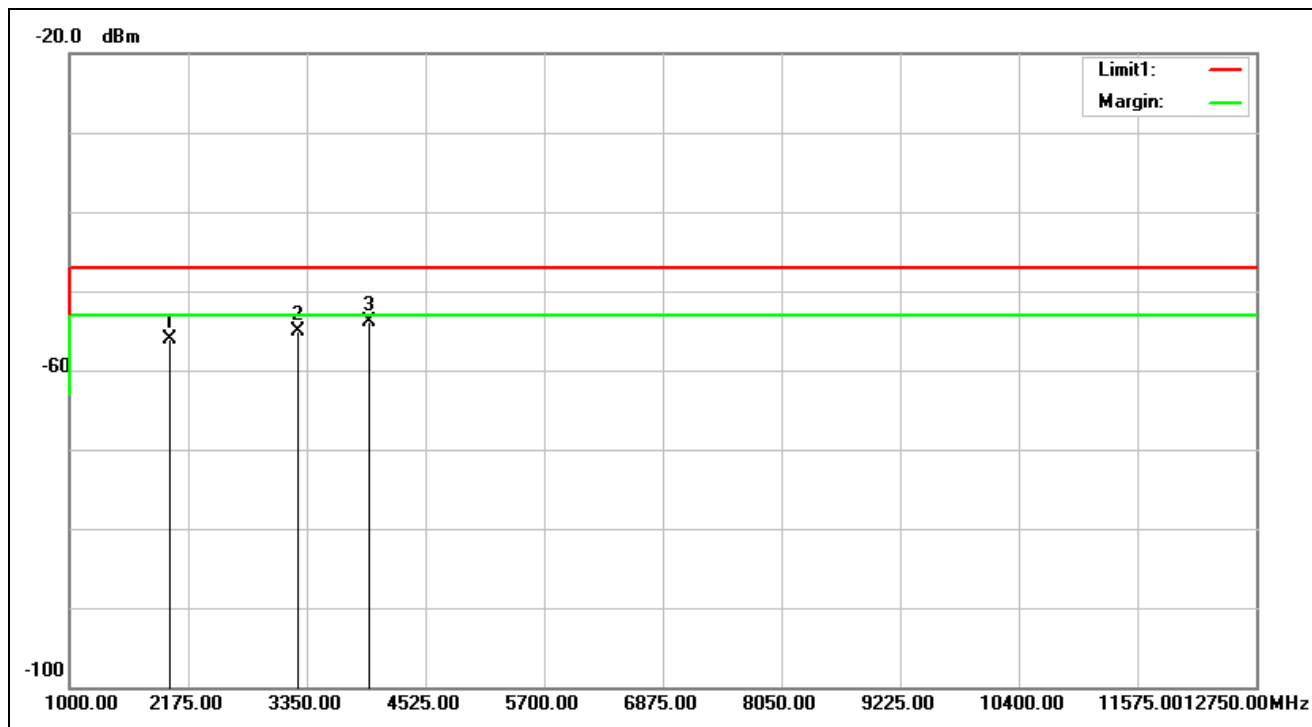
Spurious Emissions, Receiving Mode, 1-12.75G



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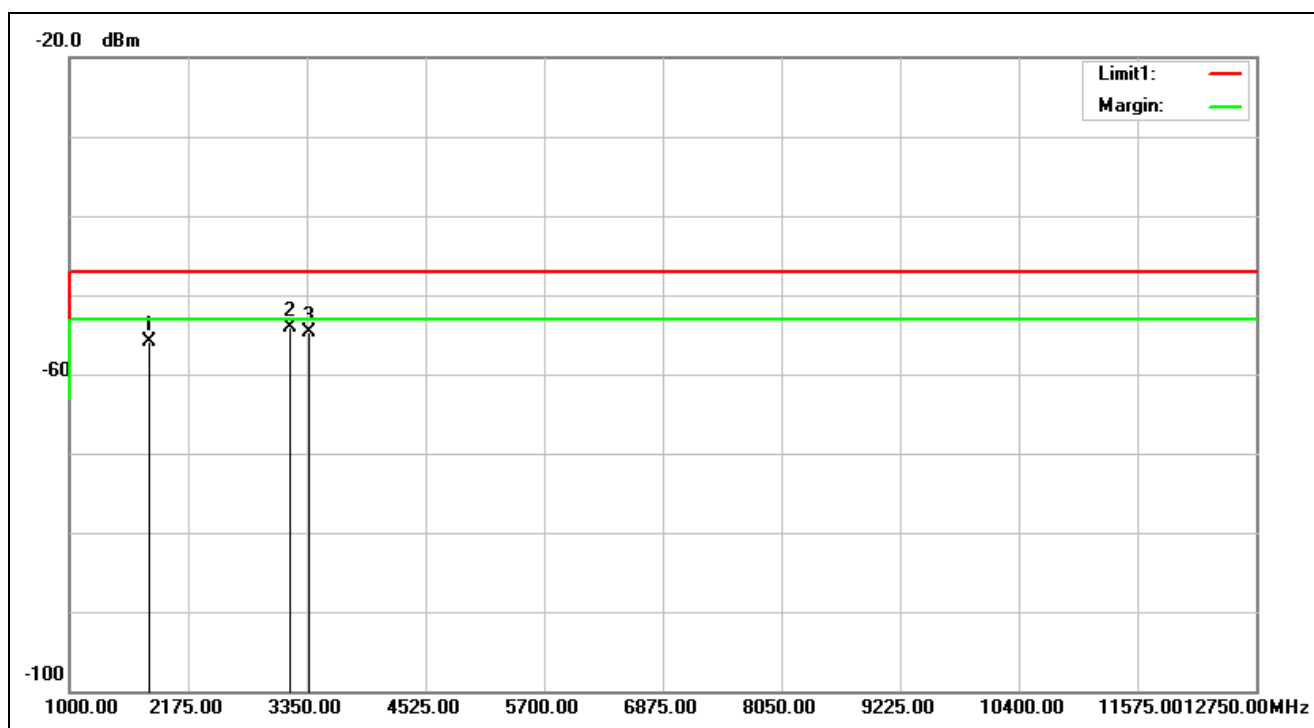
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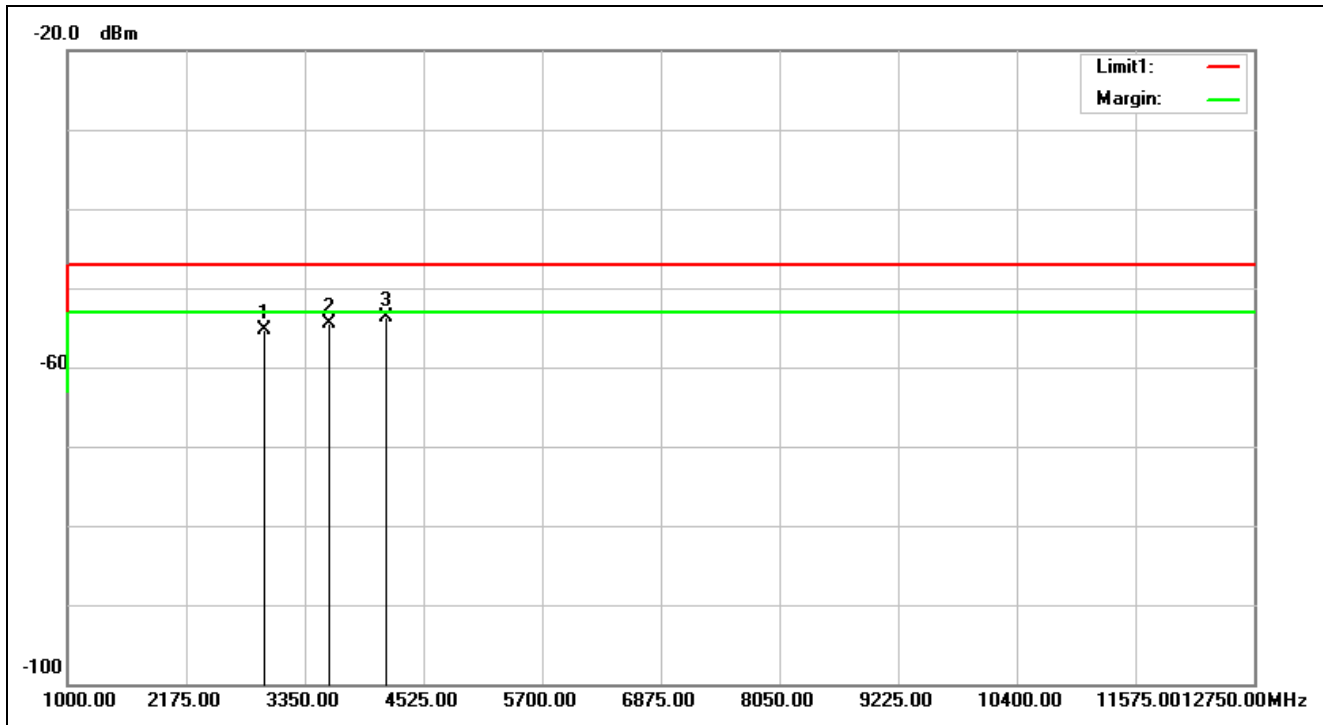
Service No.:	114039665-CE	Test Distance:	1.2m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:27:21
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1987.000	-3.11	-53.03	-56.14	-47.00	-9.14	peak	100	228	
2	3267.750	0.68	-55.80	-55.12	-47.00	-8.12	peak	100	139	
3	3972.750	2.29	-56.10	-53.81	-47.00	-6.81	peak	100	162	



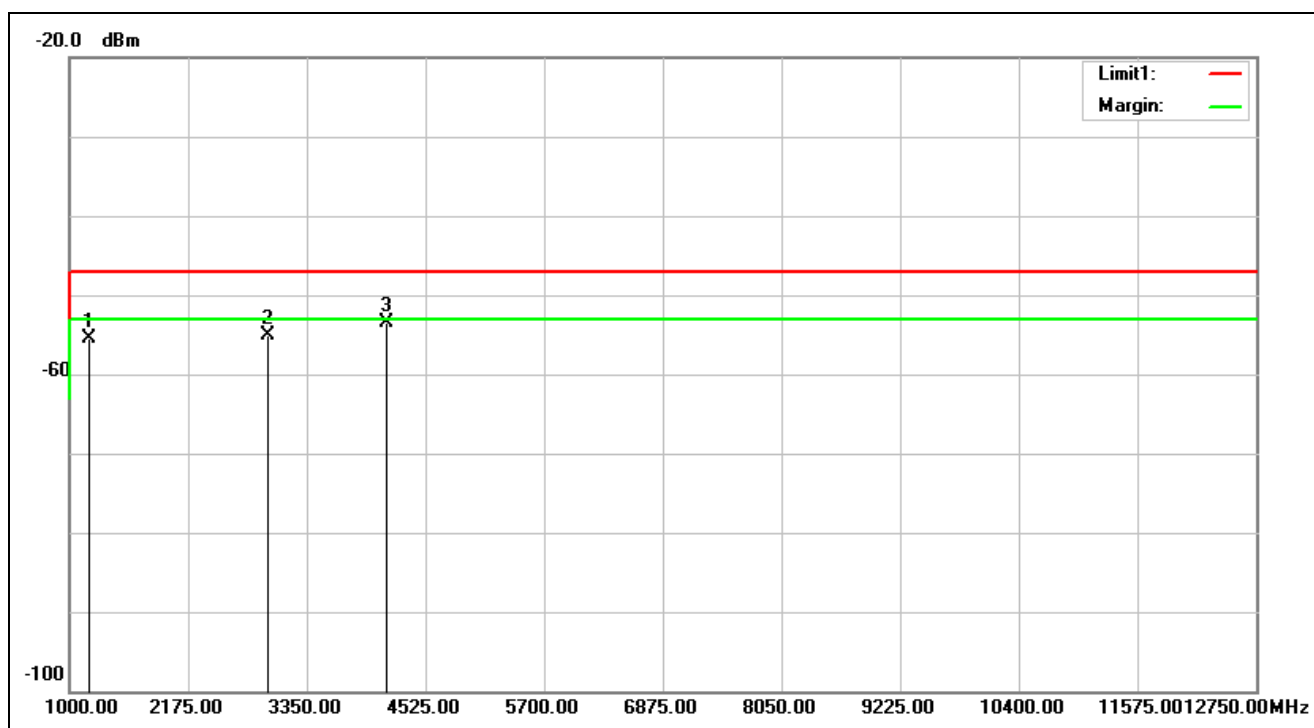
Service No.:	114039665-CE	Test Distance:	1.2m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:28:23
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1787.250	-2.47	-53.46	-55.93	-47.00	-8.93	peak	100	357	
2	3185.500	0.92	-55.03	-54.11	-47.00	-7.11	peak	100	260	
3	3373.500	1.79	-56.48	-54.69	-47.00	-7.69	peak	100	271	



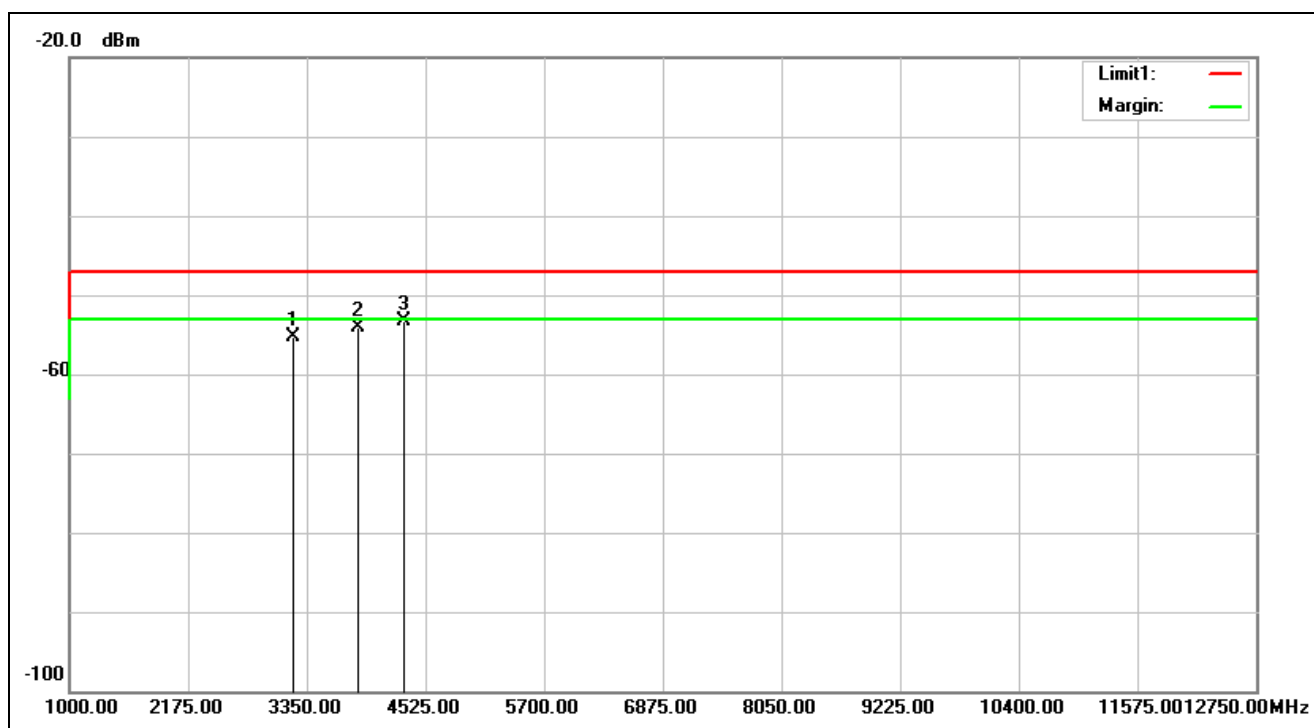
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:32:28
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2950.500	-0.40	-54.91	-55.31	-47.00	-8.31	peak	100	190	
2	3596.750	1.60	-56.17	-54.57	-47.00	-7.57	peak	100	59	
3	4149.000	2.94	-56.63	-53.69	-47.00	-6.69	peak	100	45	



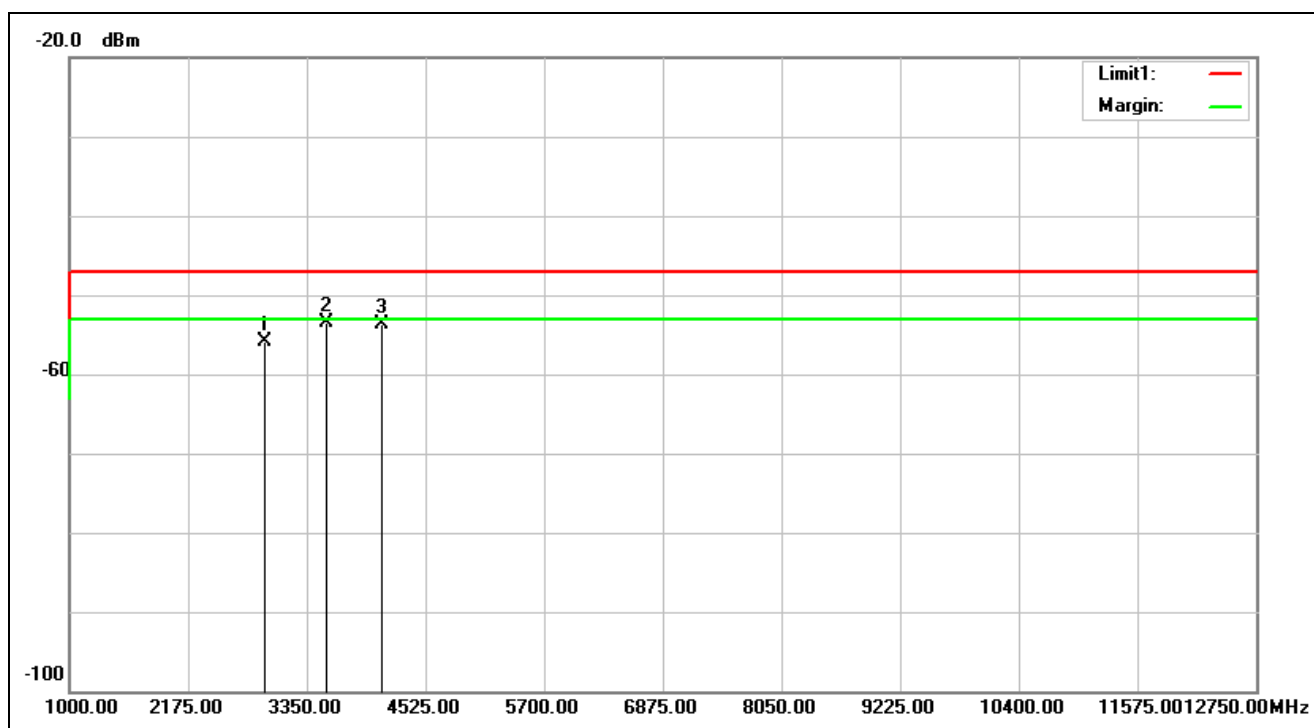
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Test item:	Radiation Emission	Test Time:	2015/9/4 22:33:30
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1199.750	-5.37	-50.11	-55.48	-47.00	-8.48	peak	100	282	
2	2962.250	-0.08	-55.10	-55.18	-47.00	-8.18	peak	100	358	
3	4137.250	2.79	-56.37	-53.58	-47.00	-6.58	peak	100	176	



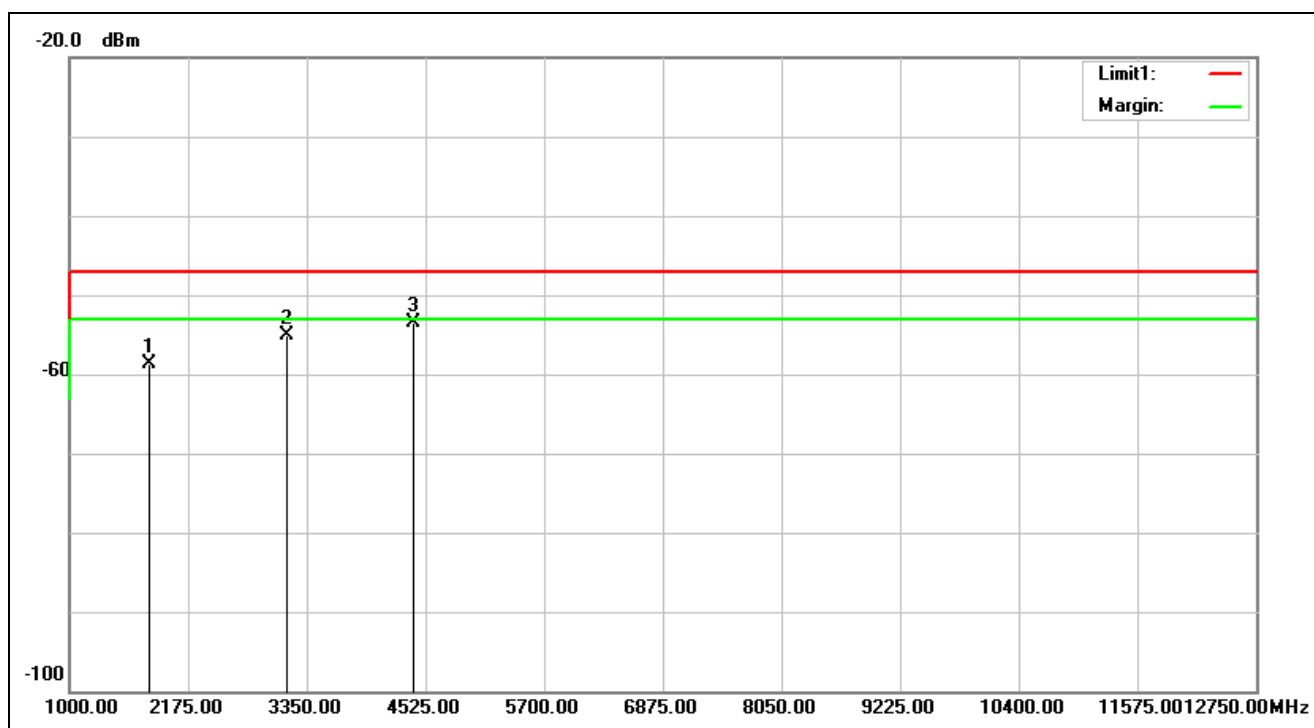
Service No.:	114039665-CE	Test Distance:	1.2m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:35:25
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3209.000	0.48	-55.78	-55.30	-47.00	-8.30	peak		0	
2	3855.250	2.09	-56.17	-54.08	-47.00	-7.08	peak		0	
3	4313.500	3.59	-56.87	-53.28	-47.00	-6.28	peak		0	



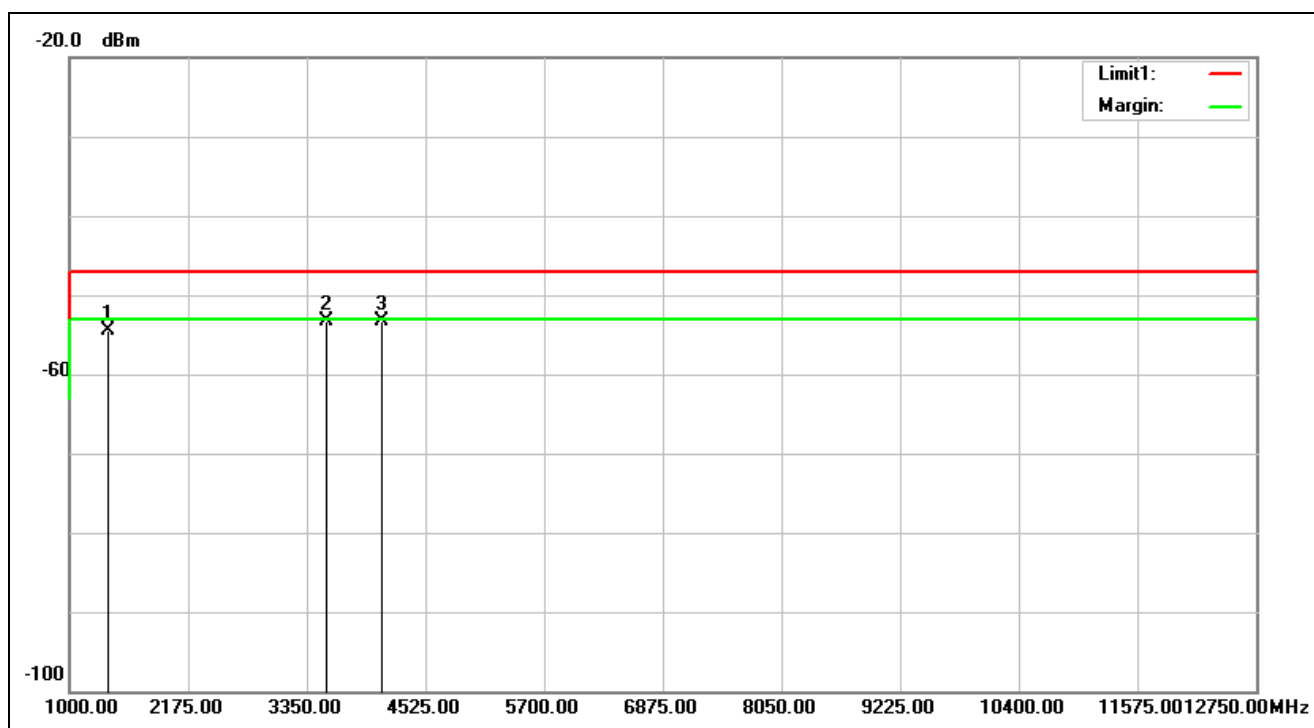
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:36:27
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2927.000	-0.22	-55.61	-55.83	-47.00	-8.83	peak	100	84	
2	3549.750	2.35	-55.90	-53.55	-47.00	-6.55	peak	100	360	
3	4090.250	2.57	-56.18	-53.61	-47.00	-6.61	peak	100	234	



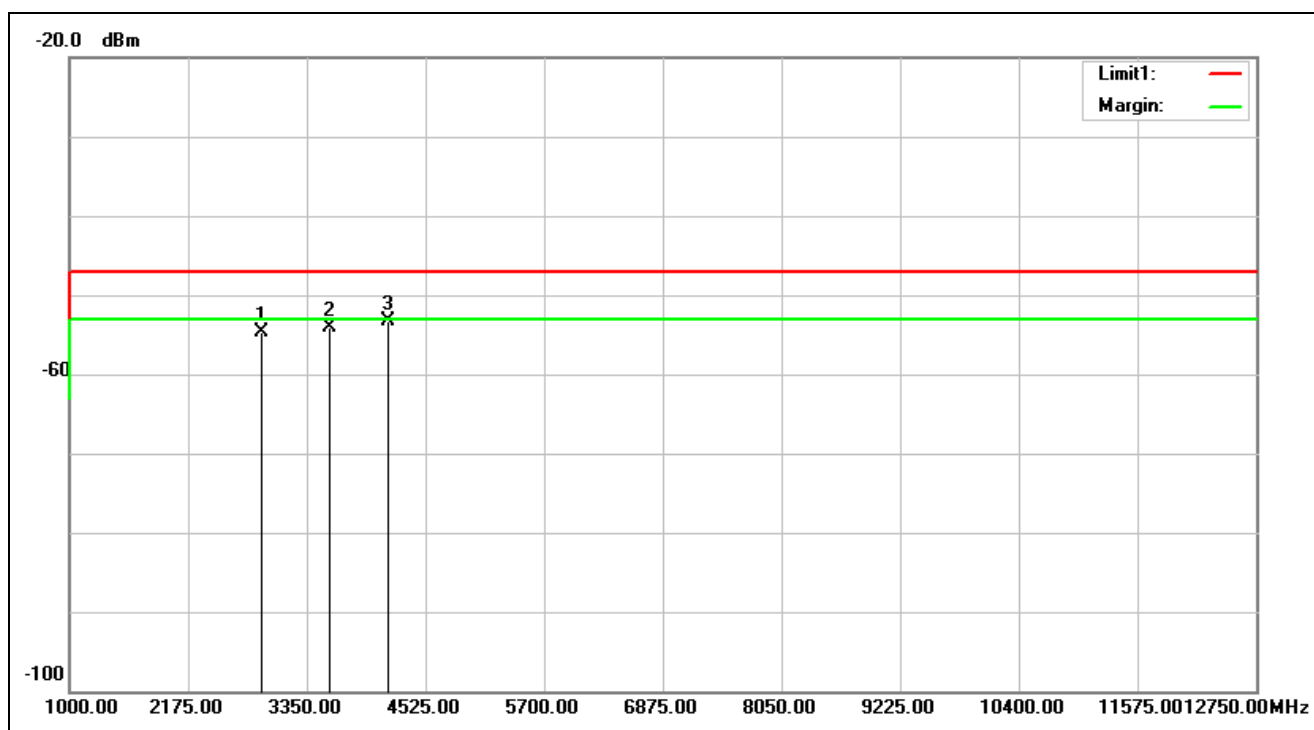
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:41:51
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1787.250	-3.68	-55.05	-58.73	-47.00	-11.73	peak	100	171	
2	3150.250	0.30	-55.36	-55.06	-47.00	-8.06	peak	100	37	
3	4407.500	3.97	-57.38	-53.41	-47.00	-6.41	peak	100	285	



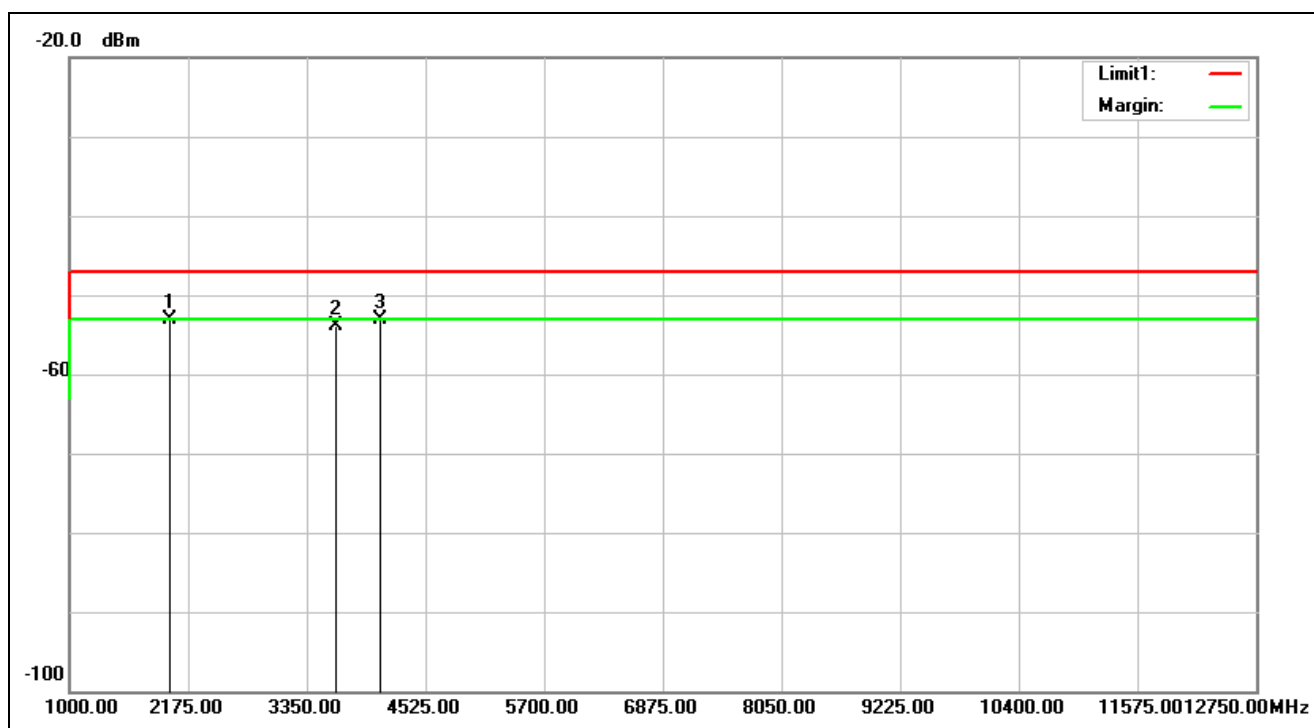
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:42:53
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1387.750	-3.76	-50.76	-54.52	-47.00	-7.52	peak	100	1	
2	3549.750	2.35	-55.70	-53.35	-47.00	-6.35	peak	100	251	
3	4090.250	2.57	-55.90	-53.33	-47.00	-6.33	peak	100	53	



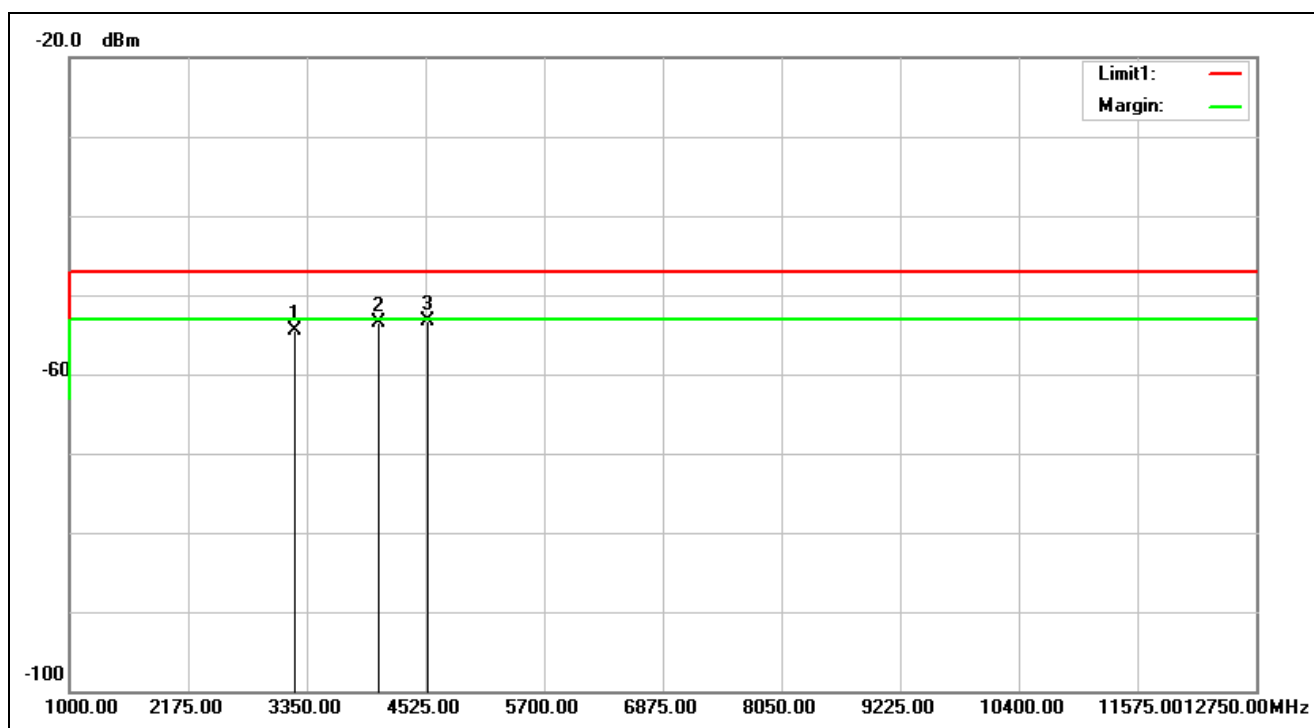
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:45:08
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2903.500	-0.62	-54.03	-54.65	-47.00	-7.65	peak	100	357	
2	3573.250	1.54	-55.59	-54.05	-47.00	-7.05	peak	100	271	
3	4149.000	2.94	-56.14	-53.20	-47.00	-6.20	peak	100	352	



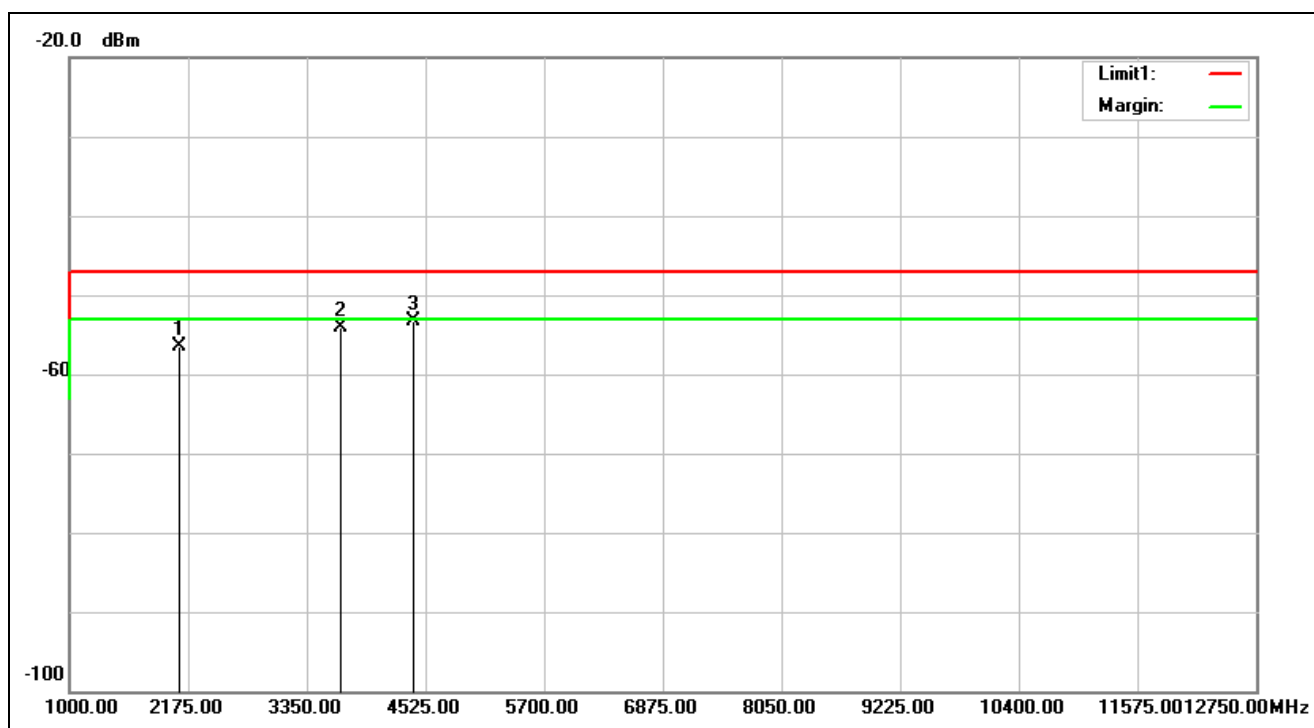
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:46:10
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1987.000	-2.25	-50.92	-53.17	-47.00	-6.17	peak	100	296	
2	3632.000	2.32	-56.16	-53.84	-47.00	-6.84	peak	100	173	
3	4078.500	2.54	-55.72	-53.18	-47.00	-6.18	peak	100	235	



Service No.:	114039665-CE	Test Distance:	1.2m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 22:48:02
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3232.500	0.55	-54.95	-54.40	-47.00	-7.40	peak	100	57	
2	4066.750	2.61	-56.04	-53.43	-47.00	-6.43	peak	100	143	
3	4548.500	4.40	-57.60	-53.20	-47.00	-6.20	peak	100	90	



Service No.:	114039665-CE	Test Distance:	1.2m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:49:04
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2092.750	-2.19	-54.31	-56.50	-47.00	-9.50	peak	100	237	
2	3690.750	2.31	-56.36	-54.05	-47.00	-7.05	peak	100	73	
3	4407.500	3.89	-57.26	-53.37	-47.00	-6.37	peak	100	28	

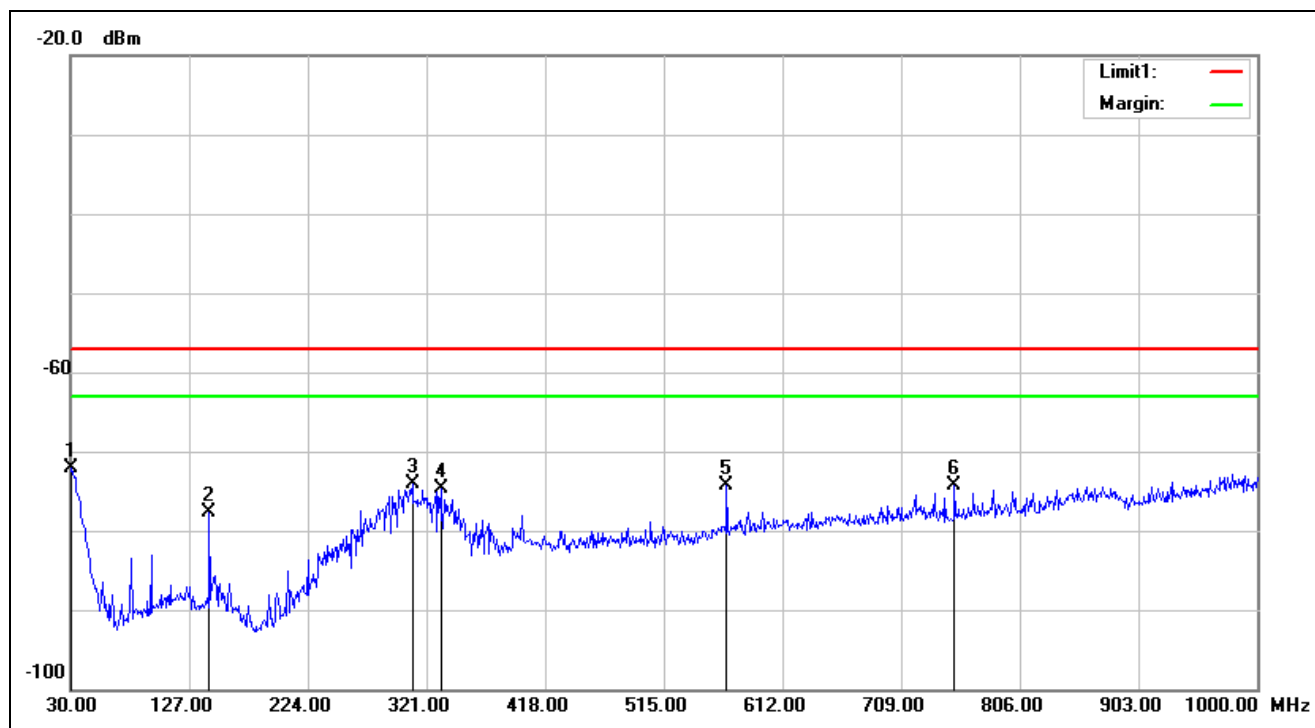
Spurious Emissions, Receiving Mode, 30M-1G



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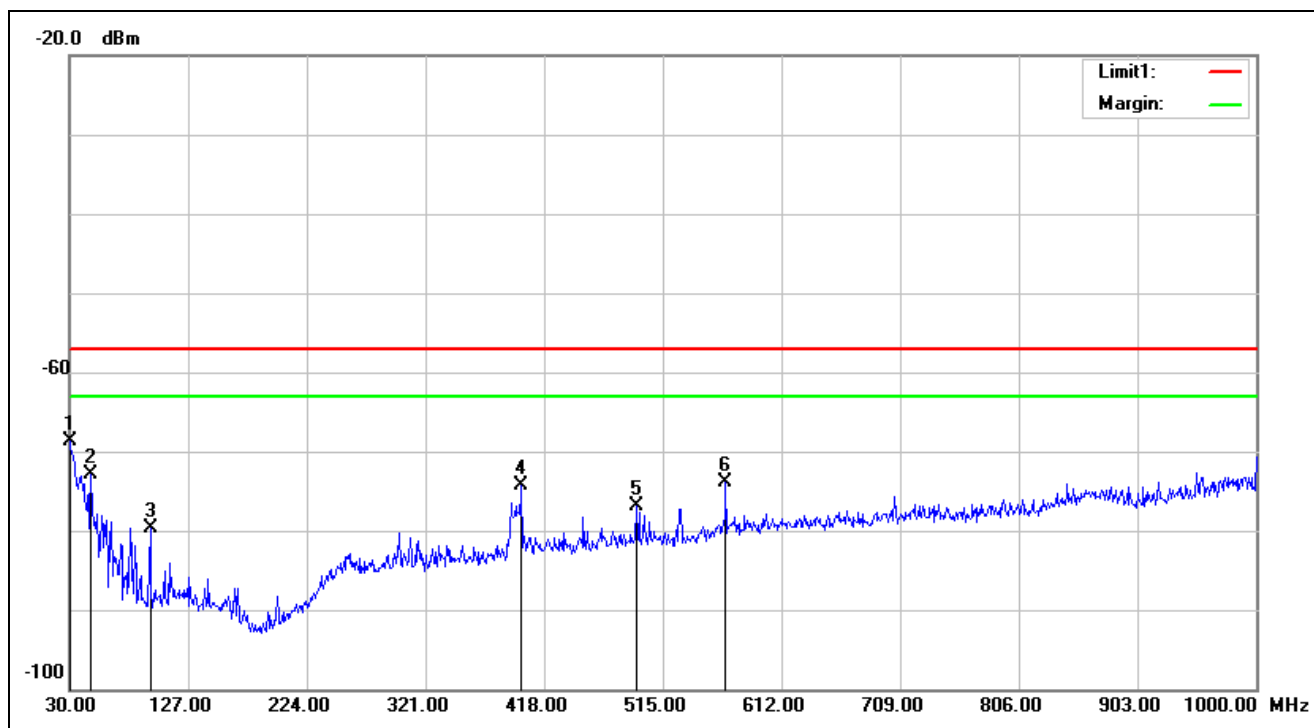
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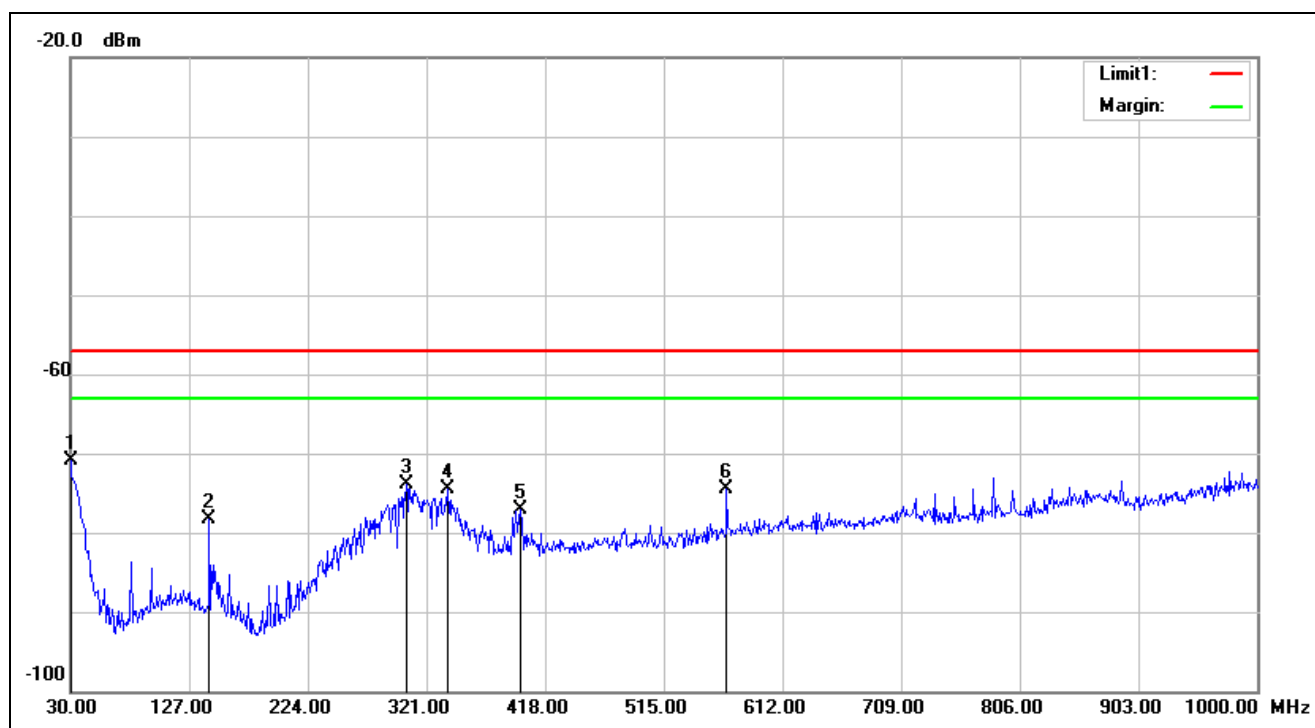
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Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:05:00
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-78.38	-72.13	-57.00	-15.13	peak	100	50	
2	143.4900	-11.14	-66.51	-77.65	-57.00	-20.65	peak	100	182	
3	309.3600	-6.03	-68.08	-74.11	-57.00	-17.11	peak	100	220	
4	332.6400	-5.66	-69.05	-74.71	-57.00	-17.71	peak	100	324	
5	566.4100	-2.32	-71.96	-74.28	-57.00	-17.28	peak	100	201	
6	752.6500	-0.69	-73.54	-74.23	-57.00	-17.23	peak	100	235	



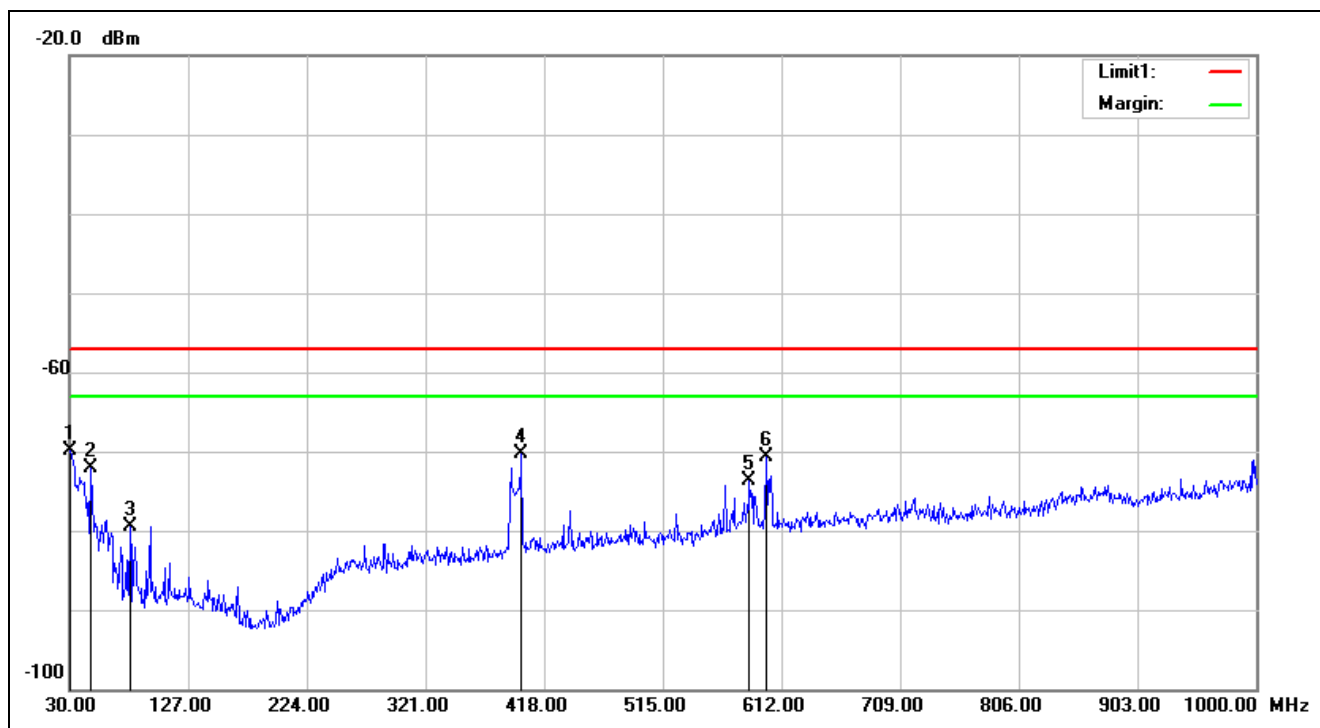
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:06:01
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-75.57	-68.70	-57.00	-11.70	peak	100	125	
2	47.4600	-6.91	-65.93	-72.84	-57.00	-15.84	peak	100	64	
3	95.9600	-11.51	-68.12	-79.63	-57.00	-22.63	peak	100	237	
4	399.5700	-4.24	-69.98	-74.22	-57.00	-17.22	peak	100	5	
5	493.6600	-3.43	-73.56	-76.99	-57.00	-19.99	peak	100	27	
6	566.4100	-2.32	-71.58	-73.90	-57.00	-16.90	peak	100	58	



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:07:36
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-77.85	-70.98	-57.00	-13.98	peak	100	238	
2	143.4900	-11.14	-67.08	-78.22	-57.00	-21.22	peak	100	157	
3	304.5100	-6.07	-67.91	-73.98	-57.00	-16.98	peak	100	129	
4	338.4600	-5.55	-69.00	-74.55	-57.00	-17.55	peak	100	313	
5	397.6300	-4.30	-72.89	-77.19	-57.00	-20.19	peak	100	268	
6	566.4100	-2.32	-72.14	-74.46	-57.00	-17.46	peak	100	185	



Service No.: 114039665-CE

Test Distance: 3m

Test Standard: EN 300 328 1.8.1_Rx

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2015/9/5 09:08:38

Applicant: Microchip

Test Rating: DC 5V

Product: Bluetooth Module

Temp.(°C)/Hum.(%): 22.6(°C)/59%

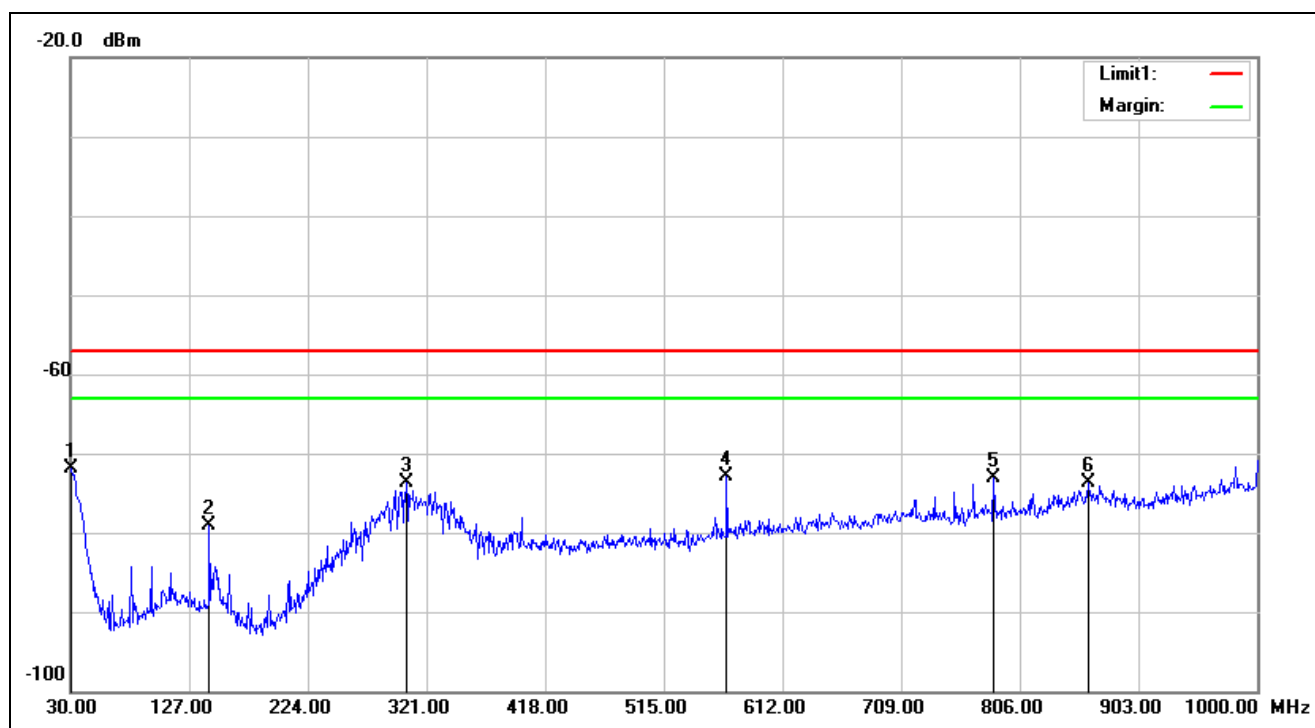
Model No.: BM78

Test Engineer: George Yang

Test Mode: 1DH5-2480-RX

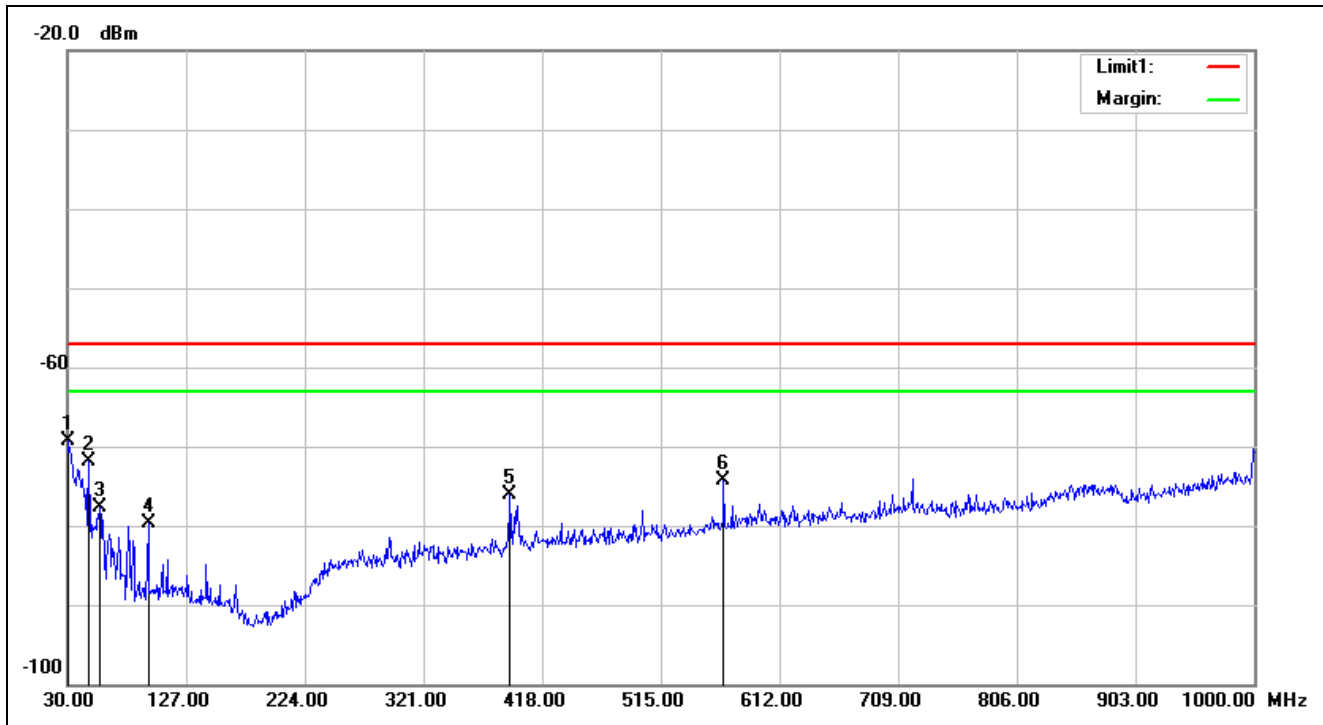
Remark:

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-76.07	-69.82	-57.00	-12.82	peak	100	100	
2	47.4600	-6.91	-65.24	-72.15	-57.00	-15.15	peak	100	321	
3	79.4700	-12.91	-66.53	-79.44	-57.00	-22.44	peak	100	318	
4	399.5700	-4.24	-66.09	-70.33	-57.00	-13.33	peak	100	209	
5	585.8100	-1.99	-71.63	-73.62	-57.00	-16.62	peak	100	248	
6	599.3900	-1.82	-68.85	-70.67	-57.00	-13.67	peak	100	279	



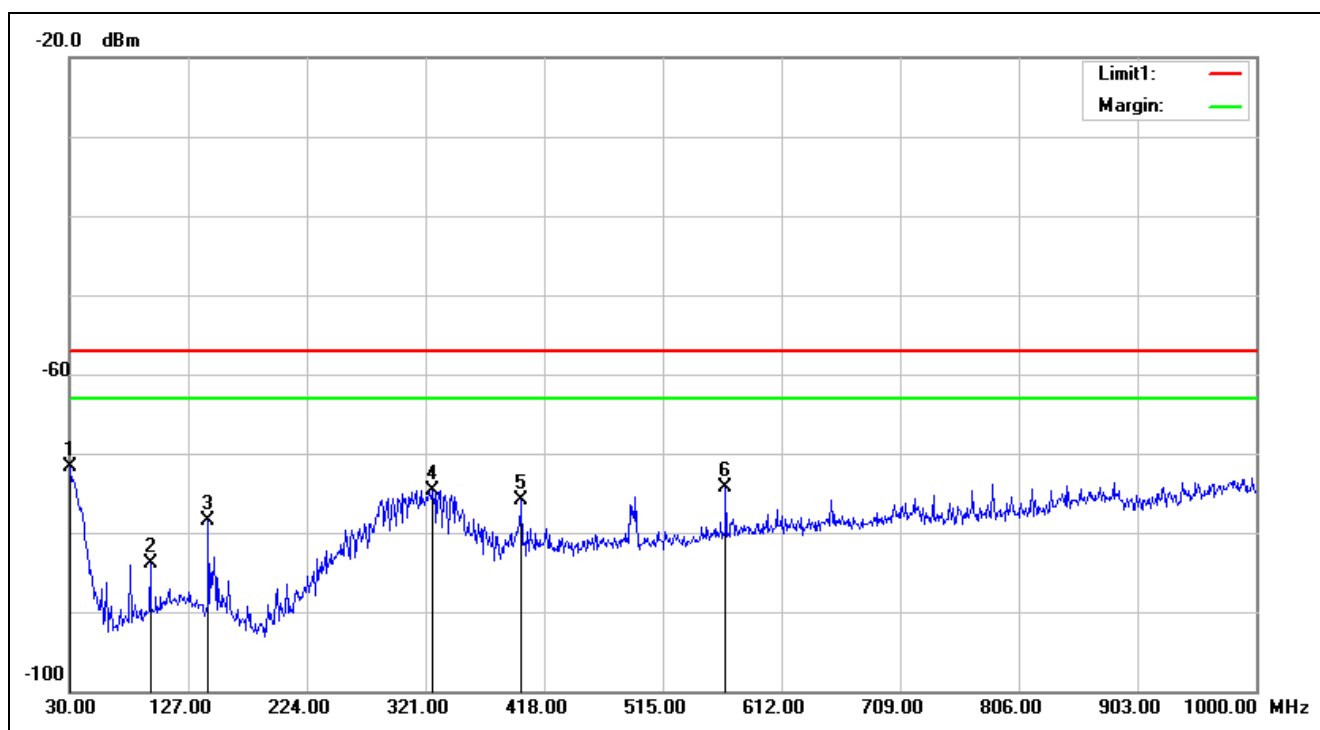
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:10:33
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.80	-71.93	-57.00	-14.93	peak	100	351	
2	143.4900	-11.14	-67.96	-79.10	-57.00	-22.10	peak	100	143	
3	304.5100	-6.07	-67.60	-73.67	-57.00	-16.67	peak	100	212	
4	566.4100	-2.32	-70.64	-72.96	-57.00	-15.96	peak	100	195	
5	784.6600	-0.15	-72.97	-73.12	-57.00	-16.12	peak	100	313	
6	862.2600	2.01	-75.71	-73.70	-57.00	-16.70	peak	100	78	



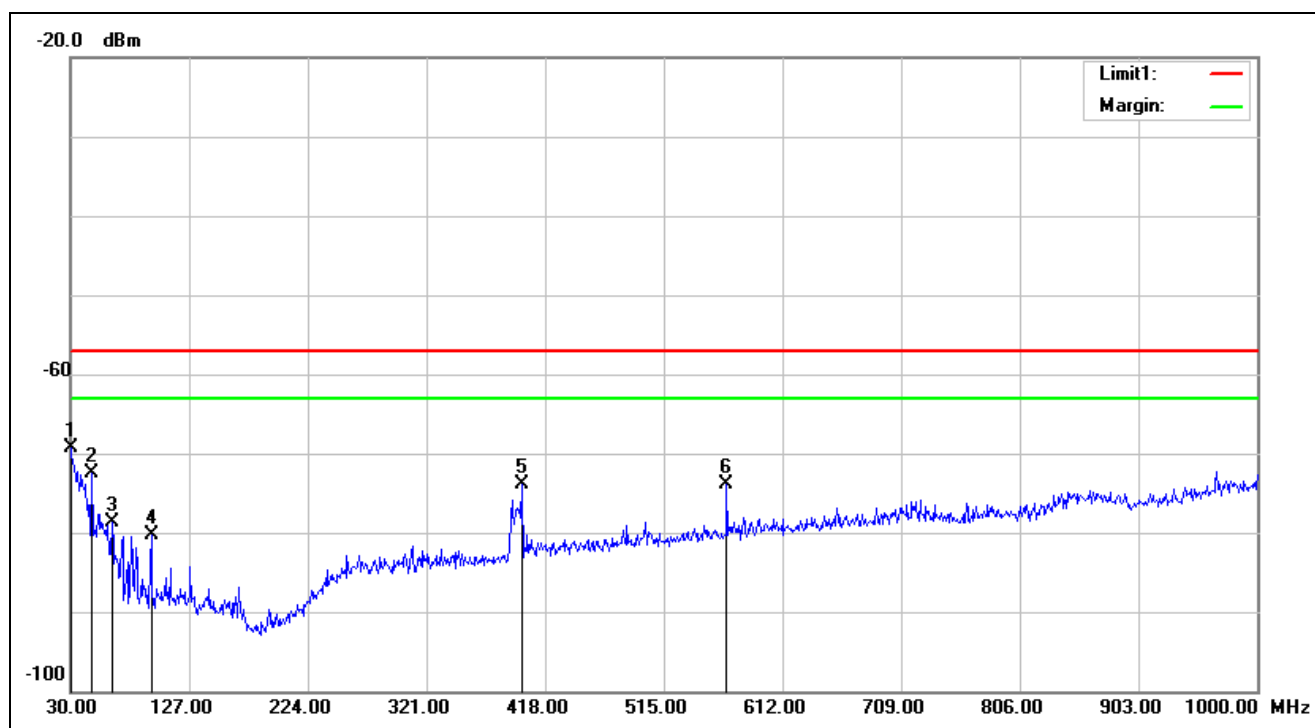
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:11:35
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-76.25	-69.38	-57.00	-12.38	peak	100	1	
2	47.4600	-6.91	-64.98	-71.89	-57.00	-14.89	peak	100	2	
3	56.1900	-11.97	-65.75	-77.72	-57.00	-20.72	peak	100	28	
4	95.9600	-11.51	-68.26	-79.77	-57.00	-22.77	peak	100	287	
5	391.8100	-4.51	-71.63	-76.14	-57.00	-19.14	peak	100	217	
6	566.4100	-2.32	-71.92	-74.24	-57.00	-17.24	peak	100	53	



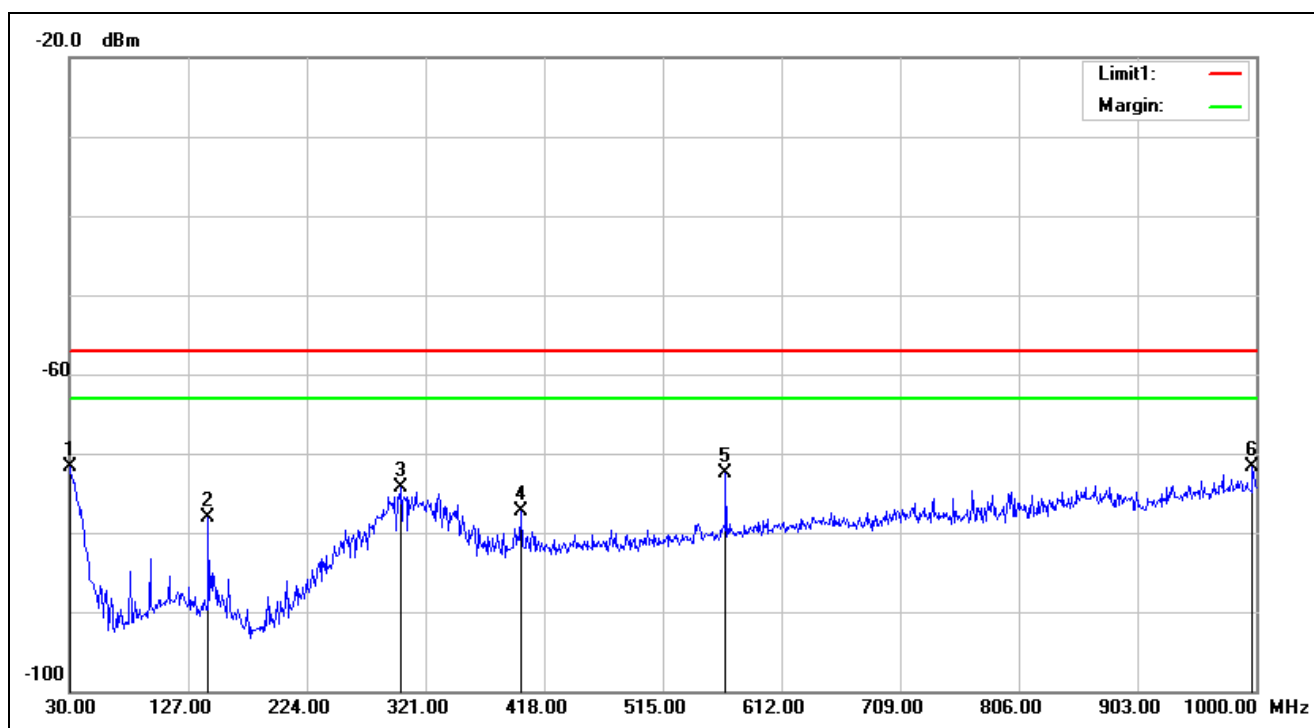
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:13:01
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.65	-71.78	-57.00	-14.78	peak	100	0	
2	95.9599	-11.51	-72.48	-83.99	-57.00	-26.99	peak	100	53	
3	143.4900	-11.14	-67.32	-78.46	-57.00	-21.46	peak	100	237	
4	326.8200	-5.78	-68.85	-74.63	-57.00	-17.63	peak	100	301	
5	399.5700	-4.24	-71.63	-75.87	-57.00	-18.87	peak	100	332	
6	566.4100	-2.32	-71.91	-74.23	-57.00	-17.23	peak	100	198	



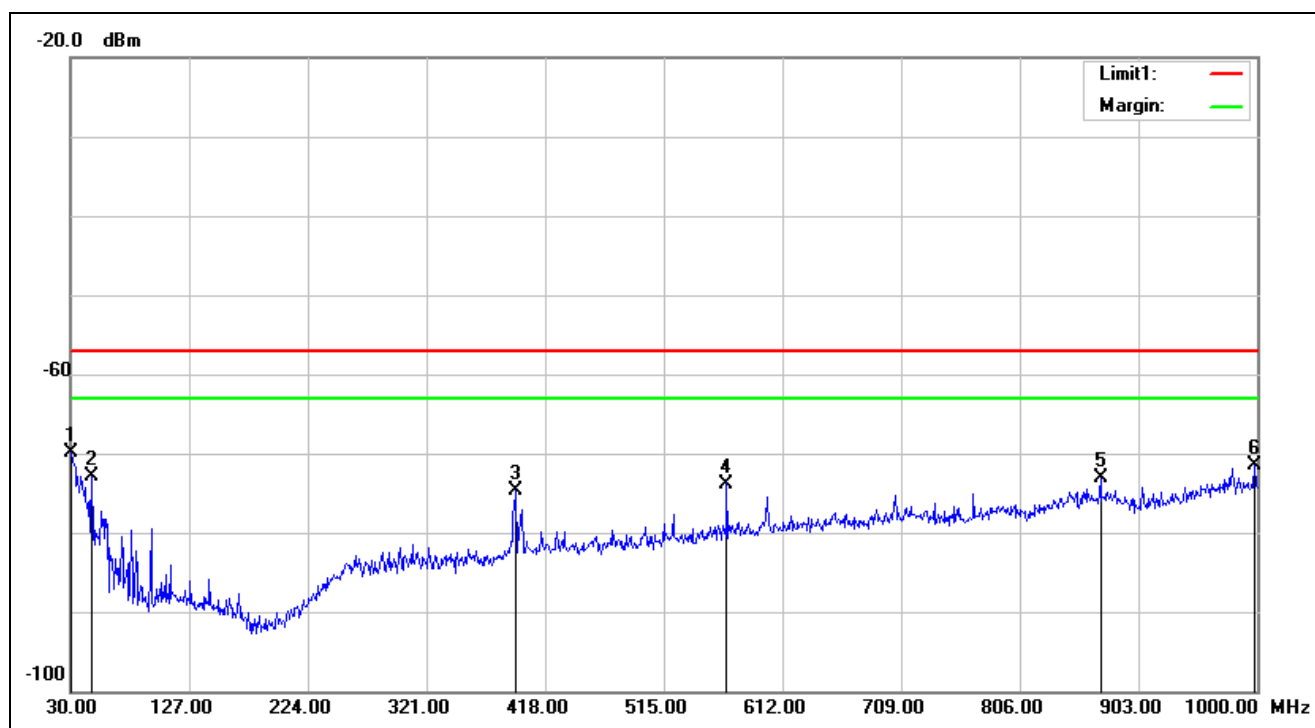
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:14:03
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-76.15	-69.28	-57.00	-12.28	peak	100	20	
2	47.4600	-6.91	-65.58	-72.49	-57.00	-15.49	peak	100	47	
3	63.9500	-13.72	-64.91	-78.63	-57.00	-21.63	peak	100	3	
4	95.9600	-11.51	-68.78	-80.29	-57.00	-23.29	peak	100	50	
5	398.6000	-4.27	-69.72	-73.99	-57.00	-16.99	peak	100	359	
6	566.4100	-2.32	-71.57	-73.89	-57.00	-16.89	peak	100	270	



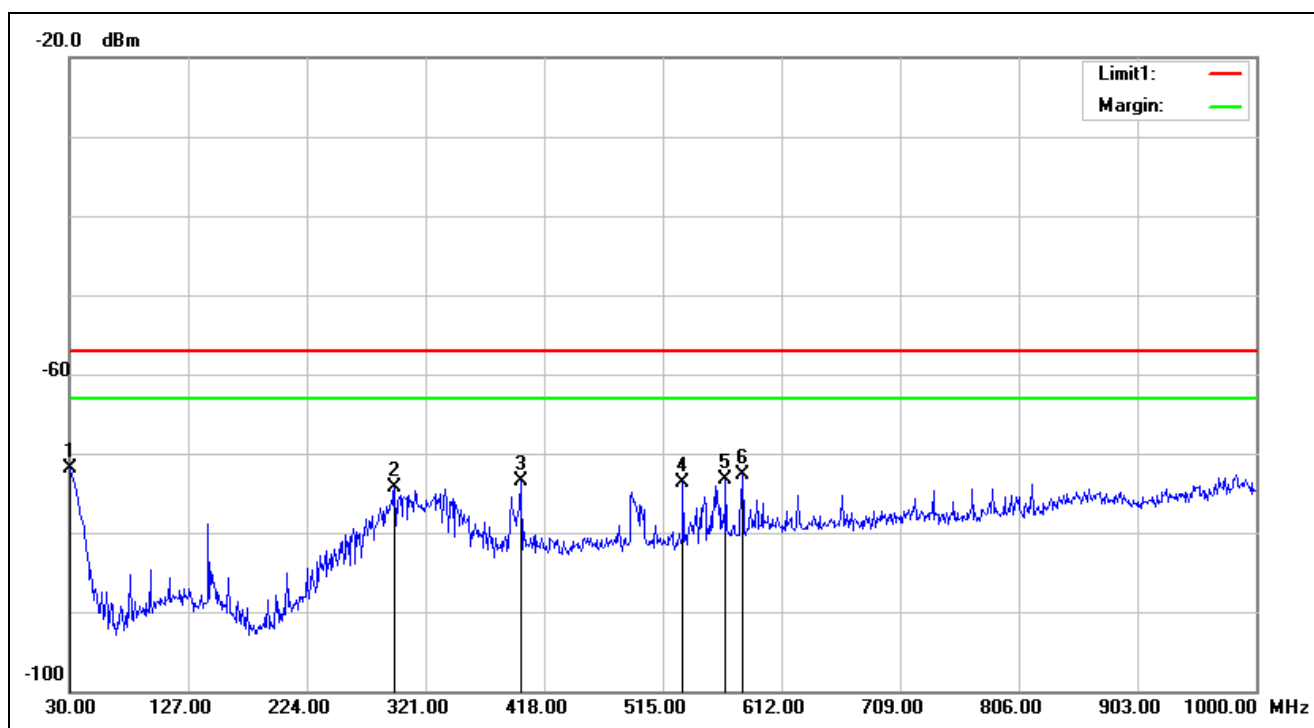
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:15:41
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.62	-71.75	-57.00	-14.75	peak	100	85	
2	143.4900	-11.14	-67.00	-78.14	-57.00	-21.14	peak	100	173	
3	300.6300	-6.10	-68.18	-74.28	-57.00	-17.28	peak	100	229	
4	399.5700	-4.24	-73.12	-77.36	-57.00	-20.36	peak	100	335	
5	566.4100	-2.32	-70.26	-72.58	-57.00	-15.58	peak	100	204	
6	997.0900	3.37	-75.10	-71.73	-57.00	-14.73	peak	100	85	



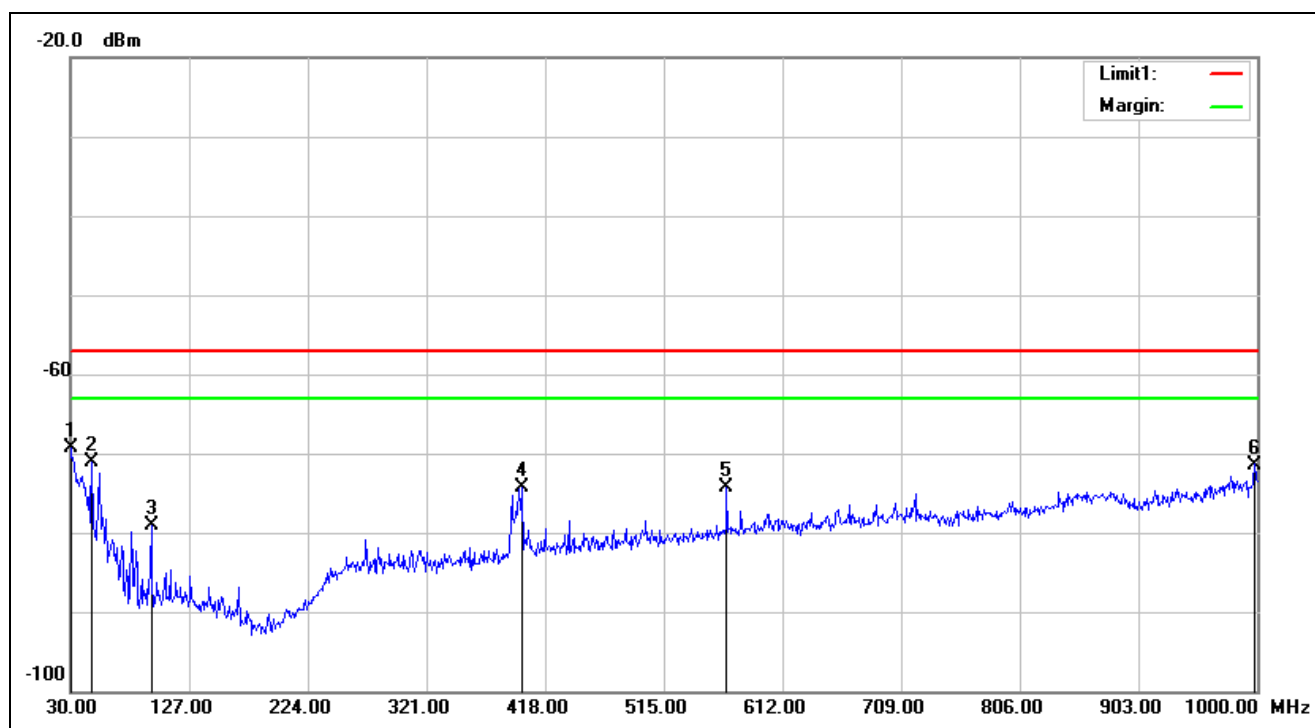
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:16:43
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-76.20	-69.95	-57.00	-12.95	peak	100	315	
2	47.4600	-6.91	-66.05	-72.96	-57.00	-15.96	peak	100	56	
3	393.7500	-4.44	-70.34	-74.78	-57.00	-17.78	peak	100	198	
4	566.4100	-2.32	-71.48	-73.80	-57.00	-16.80	peak	100	276	
5	871.9600	1.94	-75.13	-73.19	-57.00	-16.19	peak	100	167	
6	998.0600	3.35	-74.93	-71.58	-57.00	-14.58	peak	100	195	



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:18:15
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.76	-71.89	-57.00	-14.89	peak	100	87	
2	295.7799	-6.09	-68.26	-74.35	-57.00	-17.35	peak	100	165	
3	398.6000	-4.27	-69.14	-73.41	-57.00	-16.41	peak	100	271	
4	531.4900	-3.23	-70.53	-73.76	-57.00	-16.76	peak	100	182	
5	566.4100	-2.32	-71.04	-73.36	-57.00	-16.36	peak	100	201	
6	579.9900	-2.07	-70.54	-72.61	-57.00	-15.61	peak	100	218	



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Rx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:19:17
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-76.18	-69.31	-57.00	-12.31	peak	100	360	
2	47.4600	-6.91	-64.17	-71.08	-57.00	-14.08	peak	100	78	
3	95.9600	-11.51	-67.60	-79.11	-57.00	-22.11	peak	100	256	
4	398.6000	-4.27	-70.08	-74.35	-57.00	-17.35	peak	100	354	
5	566.4100	-2.32	-71.93	-74.25	-57.00	-17.25	peak	100	281	
6	998.0600	3.35	-74.75	-71.40	-57.00	-14.40	peak	100	293	

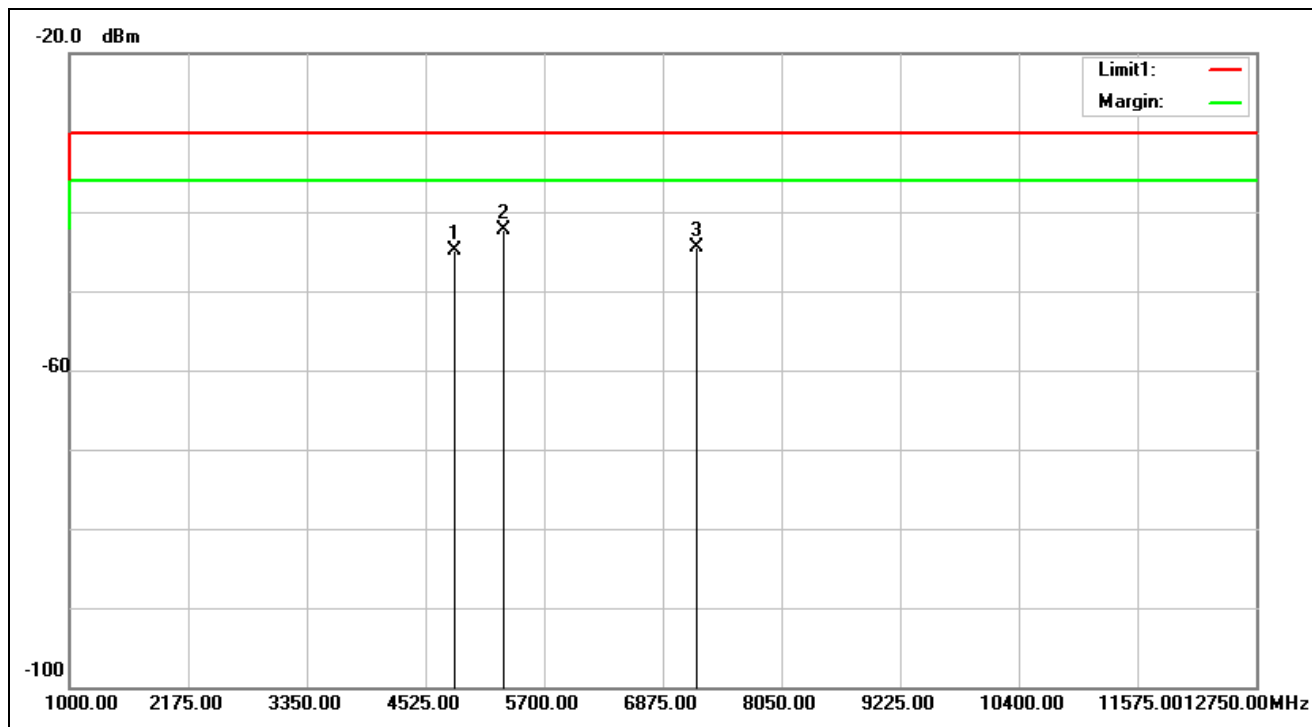
Spurious Emissions, TX Mode, 1-12.75G



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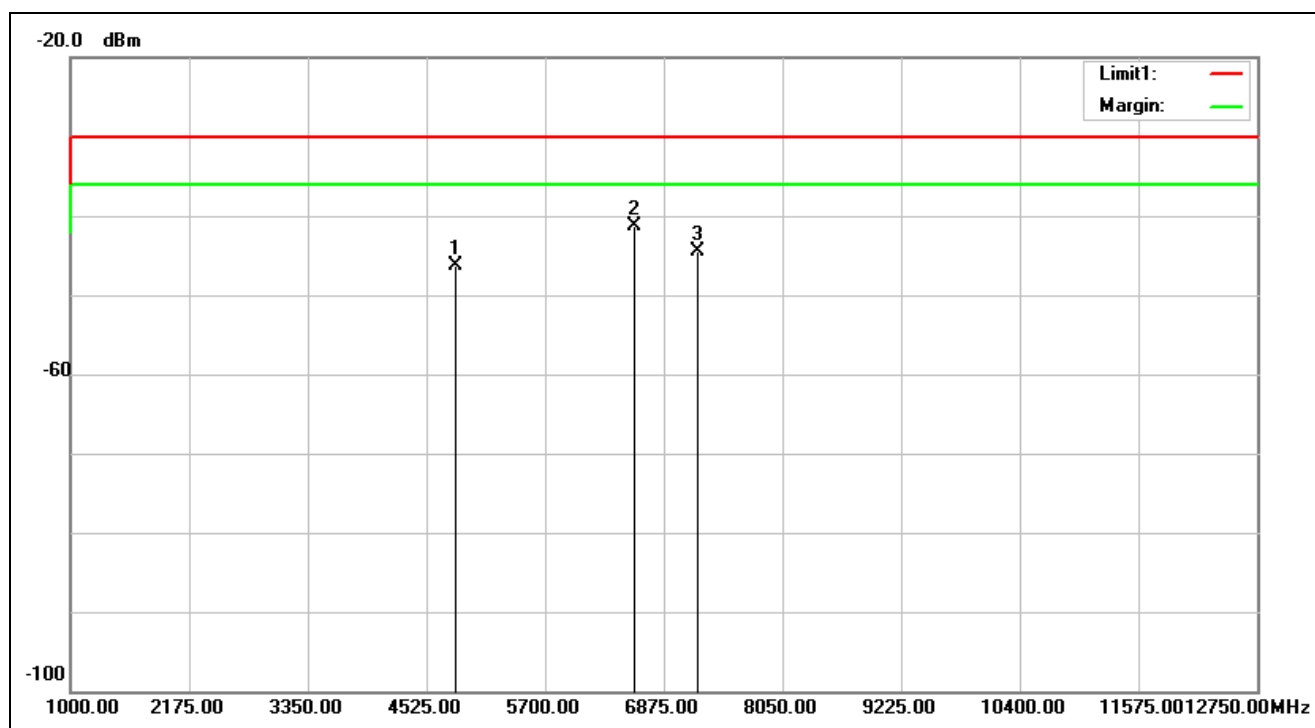
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



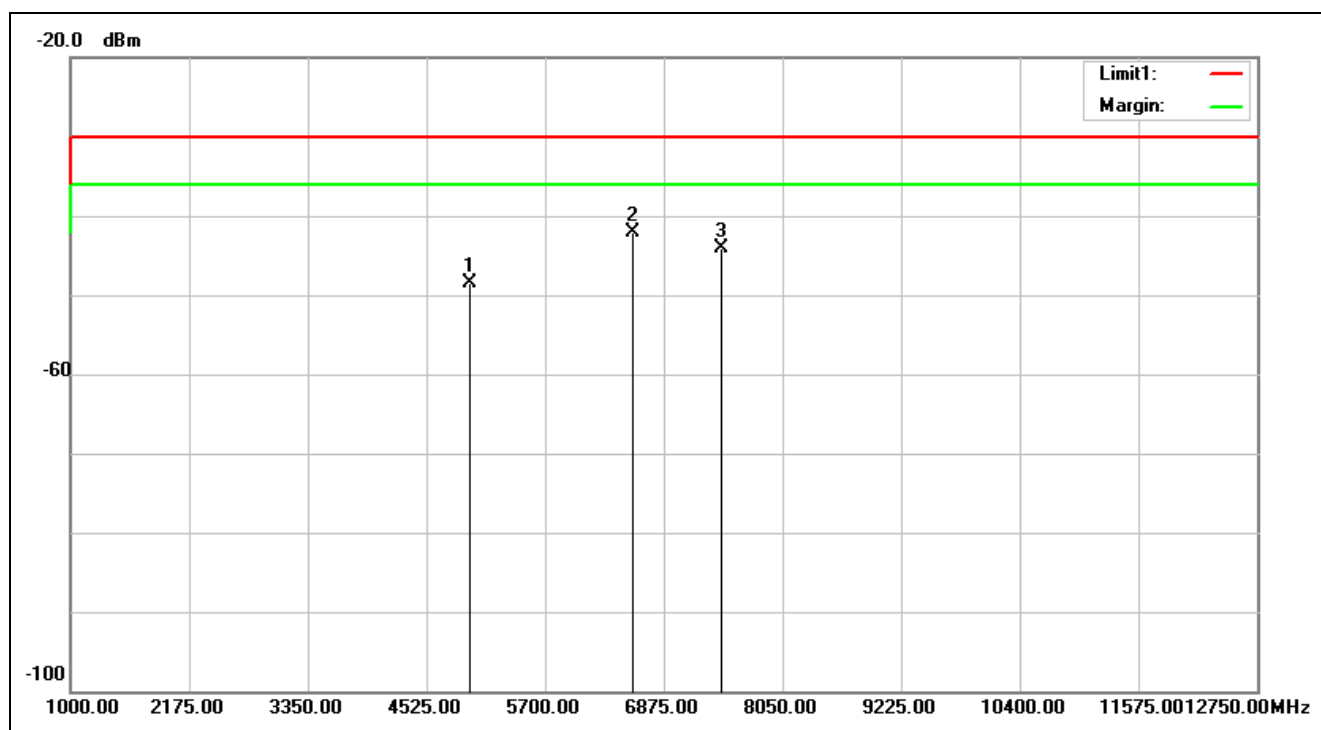
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:40:18
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.54	-55.49	-44.95	-30.00	-14.95	peak		0	
2	5300.500	13.07	-55.36	-42.29	-30.00	-12.29	peak	100	168	
3	7206.000	18.67	-63.16	-44.49	-30.00	-14.49	peak		0	



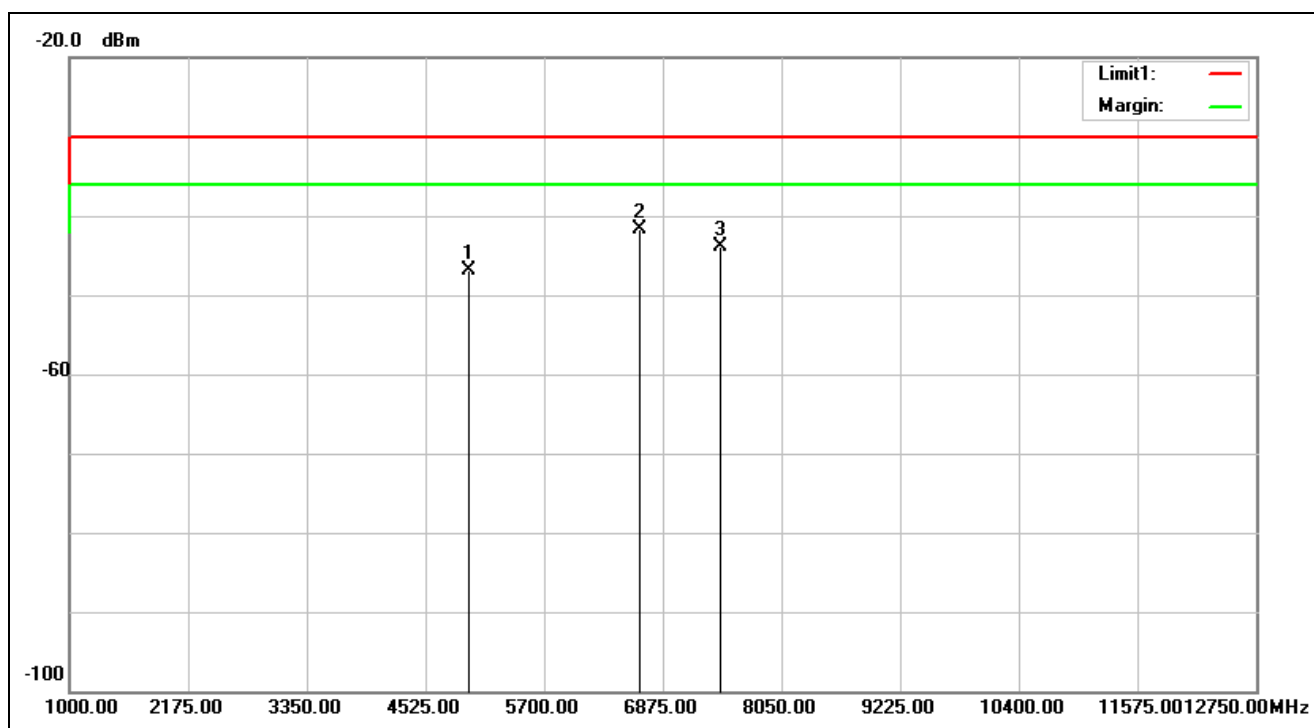
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 21:41:20
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.63	-56.86	-46.23	-30.00	-16.23	peak			
2	6581.250	20.18	-61.43	-41.25	-30.00	-11.25	peak	100	276	
3	7206.000	18.66	-63.18	-44.52	-30.00	-14.52	peak			



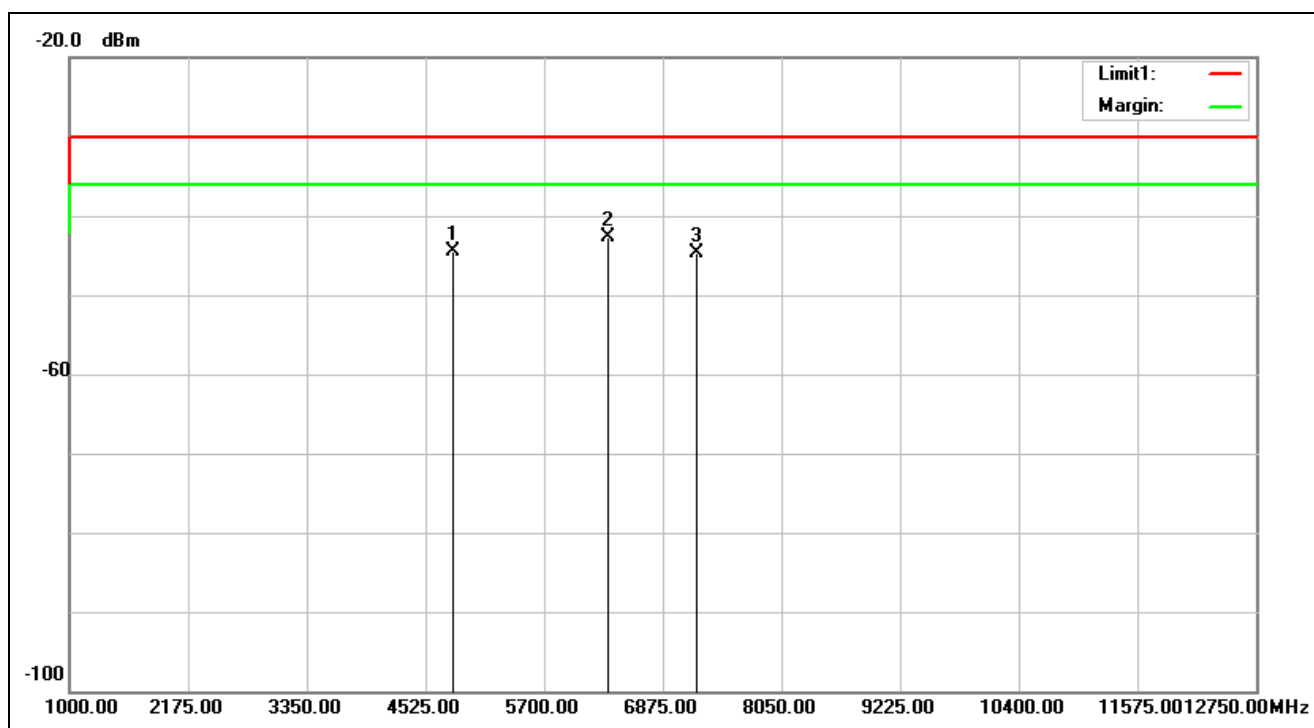
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:44:30
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.78	-59.25	-48.47	-30.00	-18.47	peak			
2	6569.500	20.02	-62.07	-42.05	-30.00	-12.05	peak	100	274	
3	7440.000	19.48	-63.56	-44.08	-30.00	-14.08	peak			



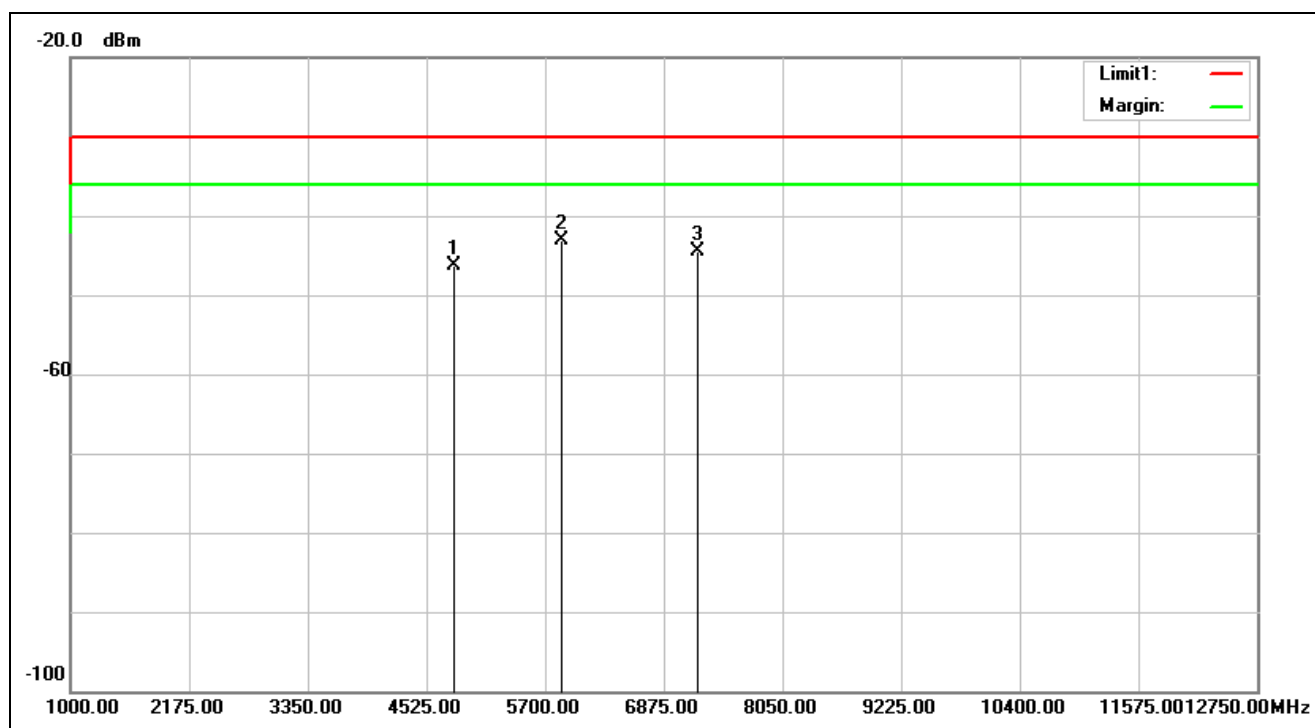
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 21:45:33
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.82	-57.81	-46.99	-30.00	-16.99	peak			
2	6640.000	19.88	-61.61	-41.73	-30.00	-11.73	peak	100	131	
3	7440.000	19.34	-63.27	-43.93	-30.00	-13.93	peak			



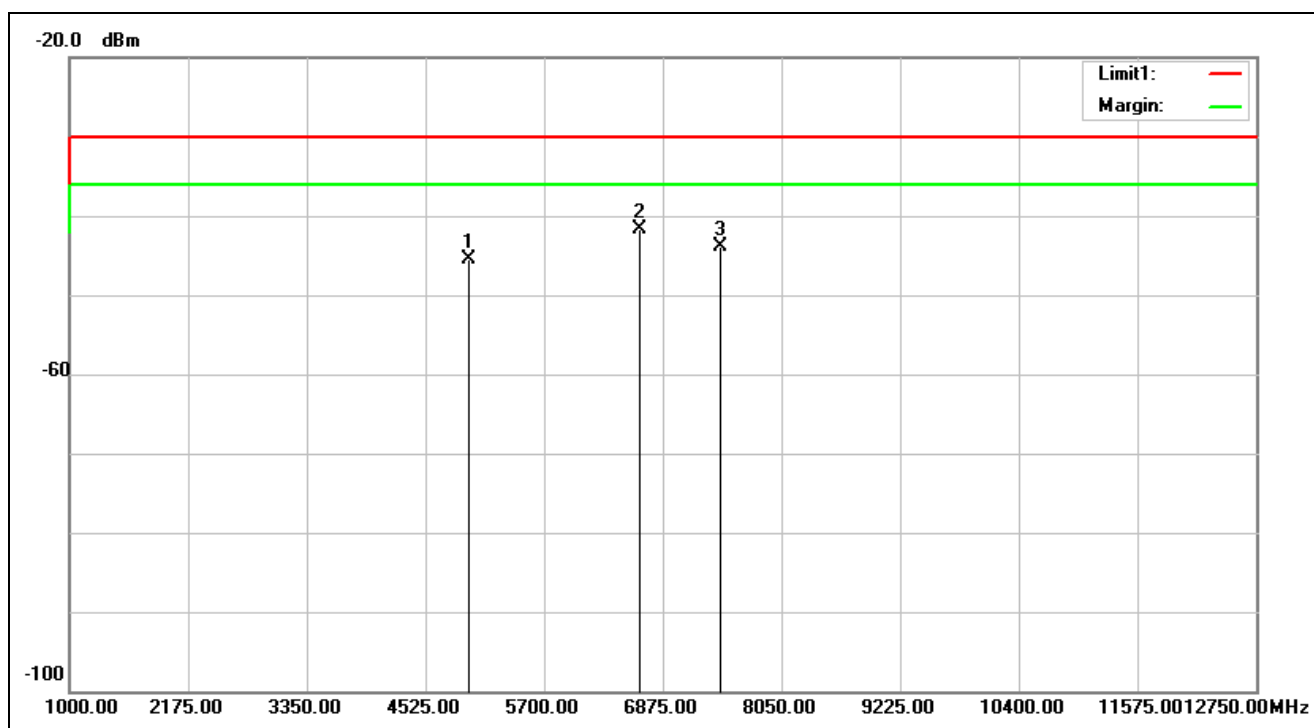
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:48:20
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.54	-55.01	-44.47	-30.00	-14.47	peak			
2	6334.500	19.27	-61.99	-42.72	-30.00	-12.72	peak	100	109	
3	7206.000	18.67	-63.29	-44.62	-30.00	-14.62	peak			



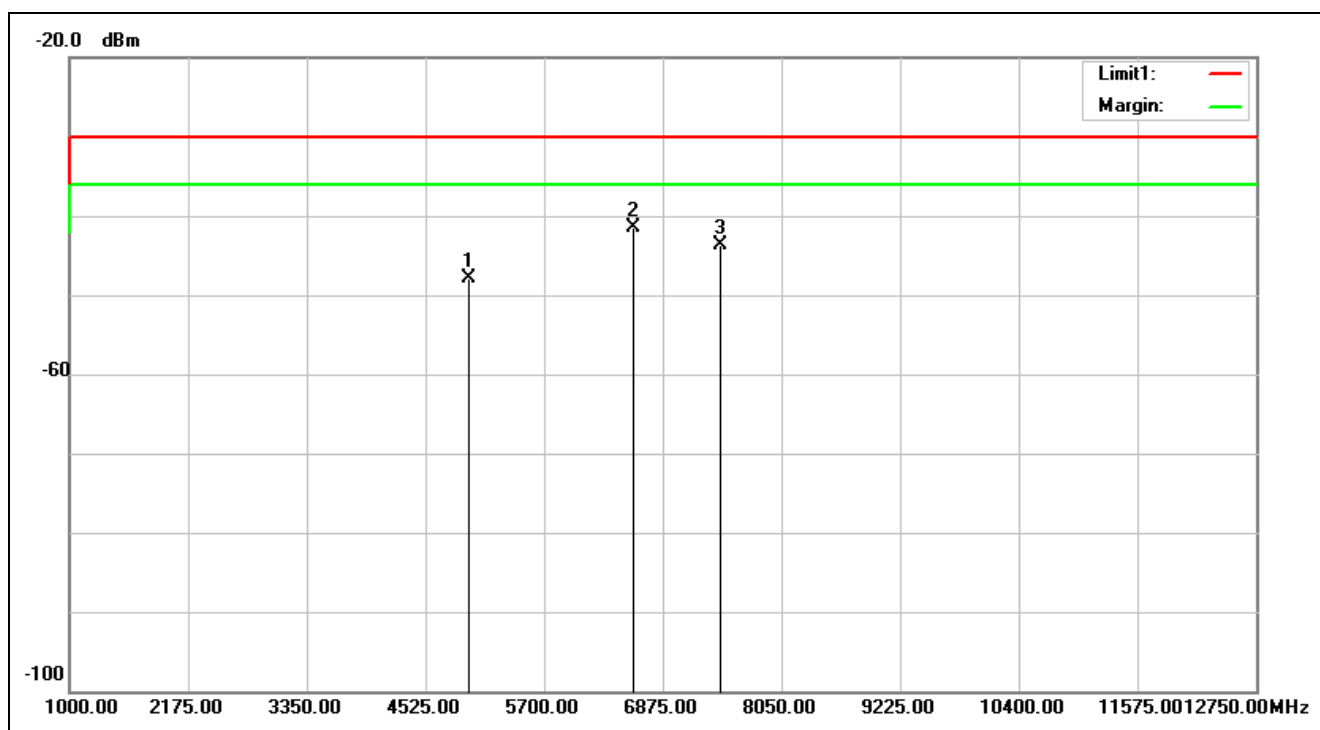
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 21:49:22
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.63	-56.94	-46.31	-30.00	-16.31	peak			
2	5864.500	16.31	-59.39	-43.08	-30.00	-13.08	peak	100	285	
3	7206.000	18.66	-63.15	-44.49	-30.00	-14.49	peak			



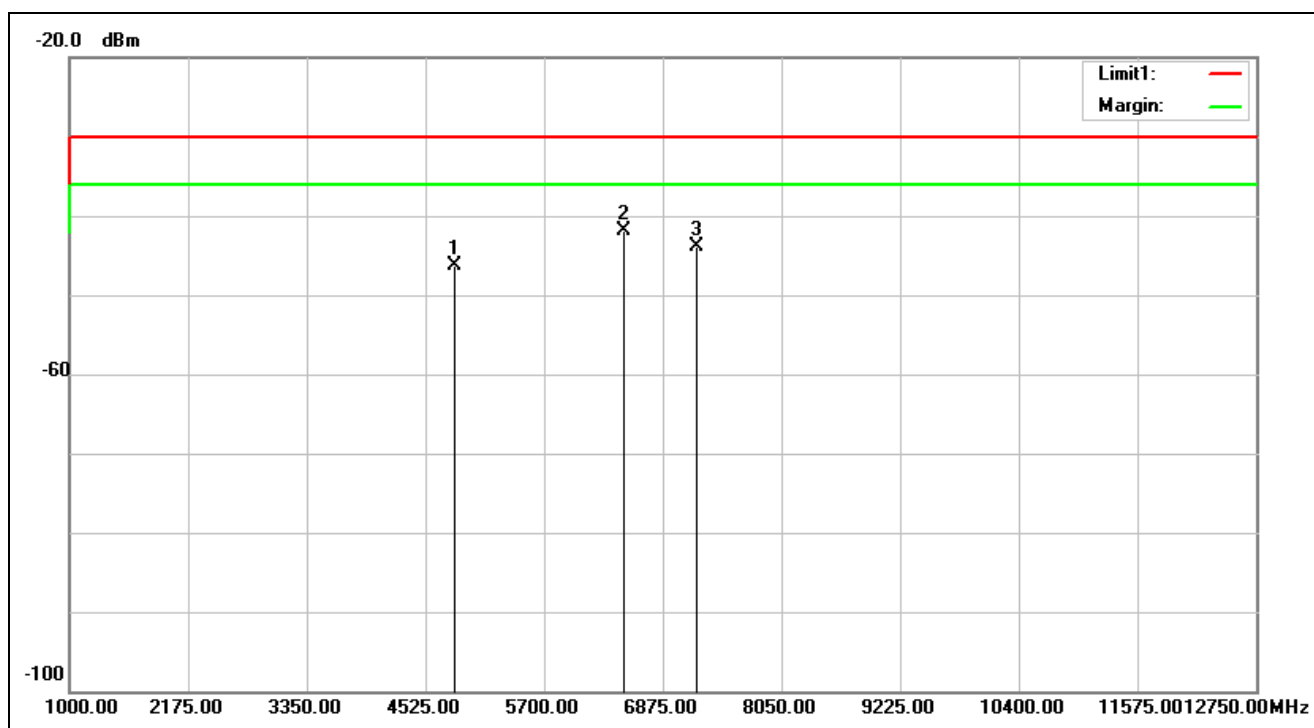
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:51:26
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.78	-56.20	-45.42	-30.00	-15.42	peak	100	126	
2	6640.000	19.69	-61.36	-41.67	-30.00	-11.67	peak	100	184	
3	7440.000	19.48	-63.42	-43.94	-30.00	-13.94	peak			



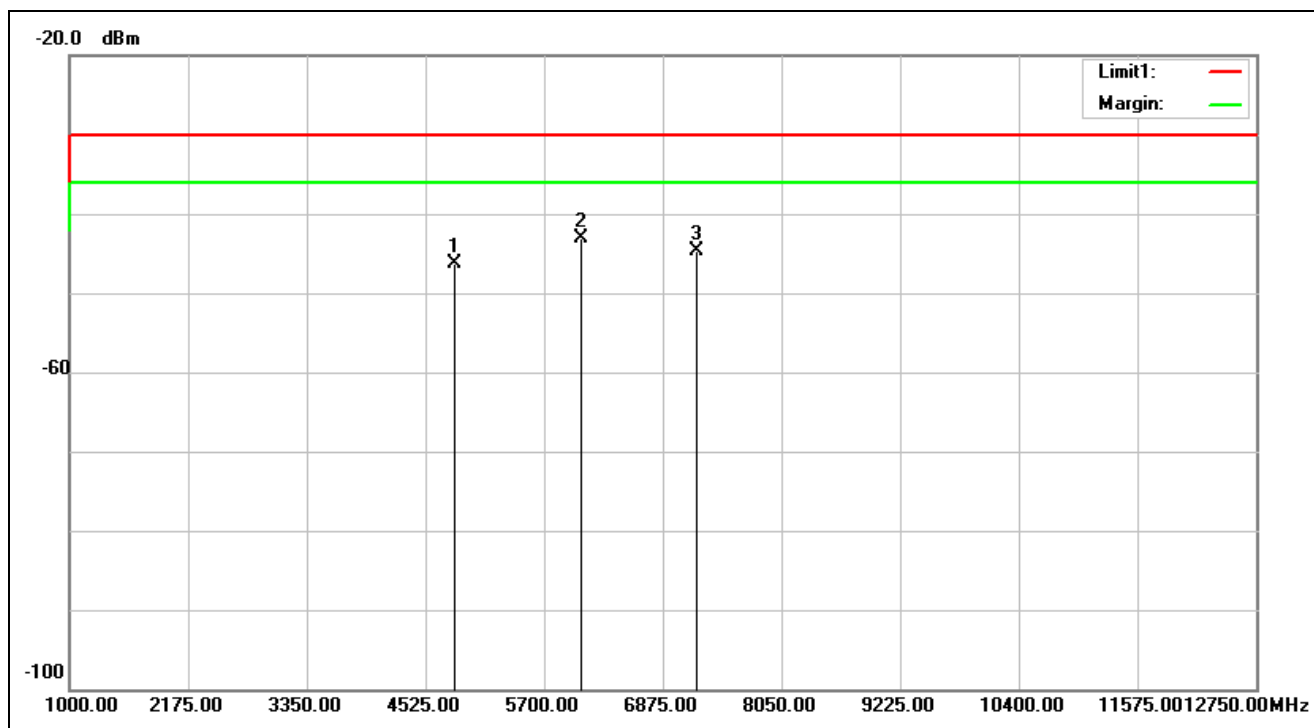
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 21:52:28
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.82	-58.74	-47.92	-30.00	-17.92	peak			
2	6581.250	20.18	-61.69	-41.51	-30.00	-11.51	peak	100	217	
3	7440.000	19.34	-63.12	-43.78	-30.00	-13.78	peak			



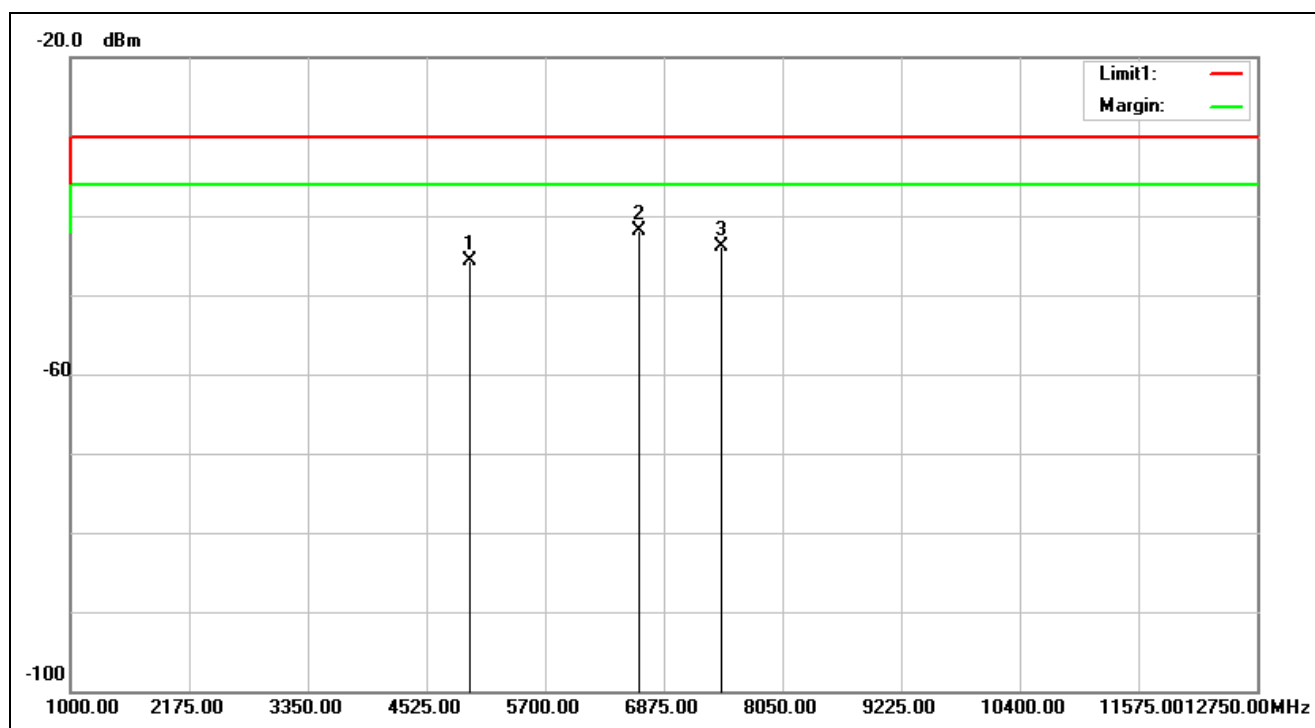
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:55:53
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.54	-56.81	-46.27	-30.00	-16.27	peak			
2	6487.250	20.28	-62.12	-41.84	-30.00	-11.84	peak	100	23	
3	7206.000	18.67	-62.52	-43.85	-30.00	-13.85	peak			



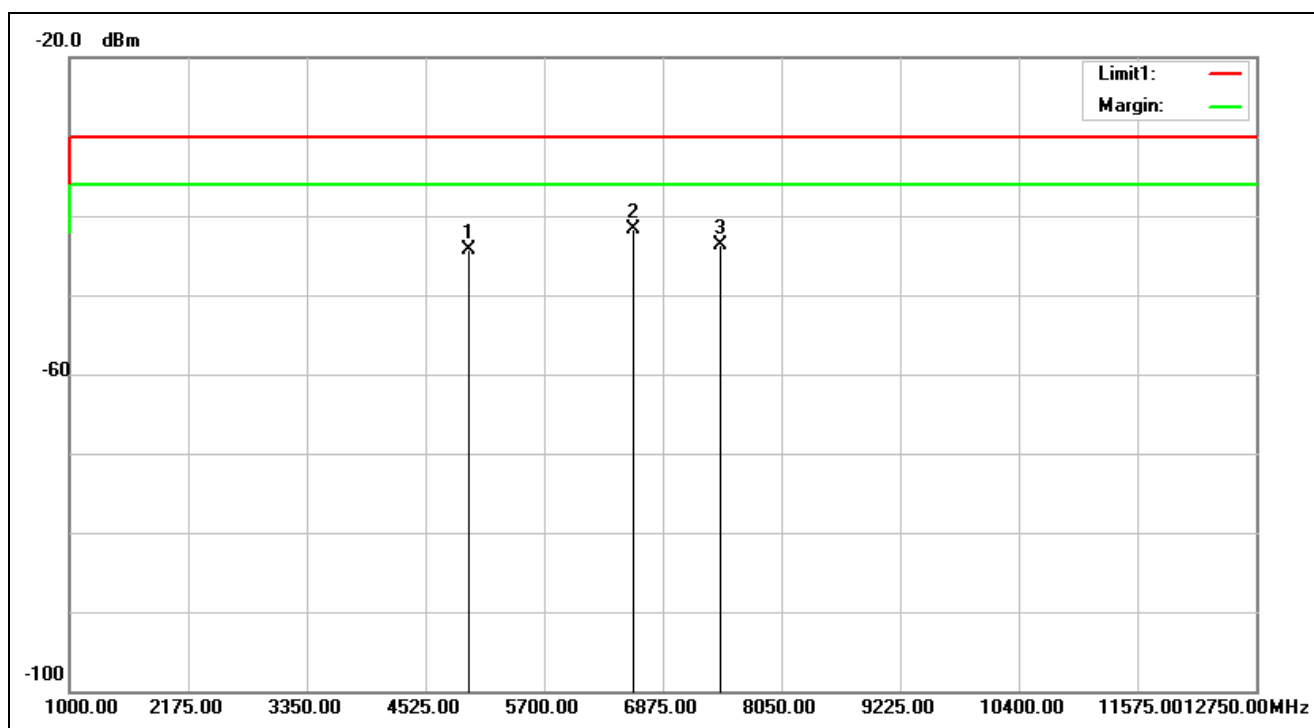
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Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 21:56:55
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	10.63	-57.01	-46.38	-30.00	-16.38	peak			
2	6064.250	17.35	-60.42	-43.07	-30.00	-13.07	peak	100	270	
3	7206.000	18.66	-63.43	-44.77	-30.00	-14.77	peak			



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/4 21:58:59
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.78	-56.51	-45.73	-30.00	-15.73	peak	100	31	
2	6628.250	19.74	-61.64	-41.90	-30.00	-11.90	peak	100	221	
3	7440.000	19.48	-63.34	-43.86	-30.00	-13.86	peak			



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/4 22:00:01
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	10.82	-55.19	-44.37	-30.00	-14.37	peak	100	0	
2	6581.250	20.18	-61.85	-41.67	-30.00	-11.67	peak	100	253	
3	7440.000	19.34	-63.01	-43.67	-30.00	-13.67	peak			

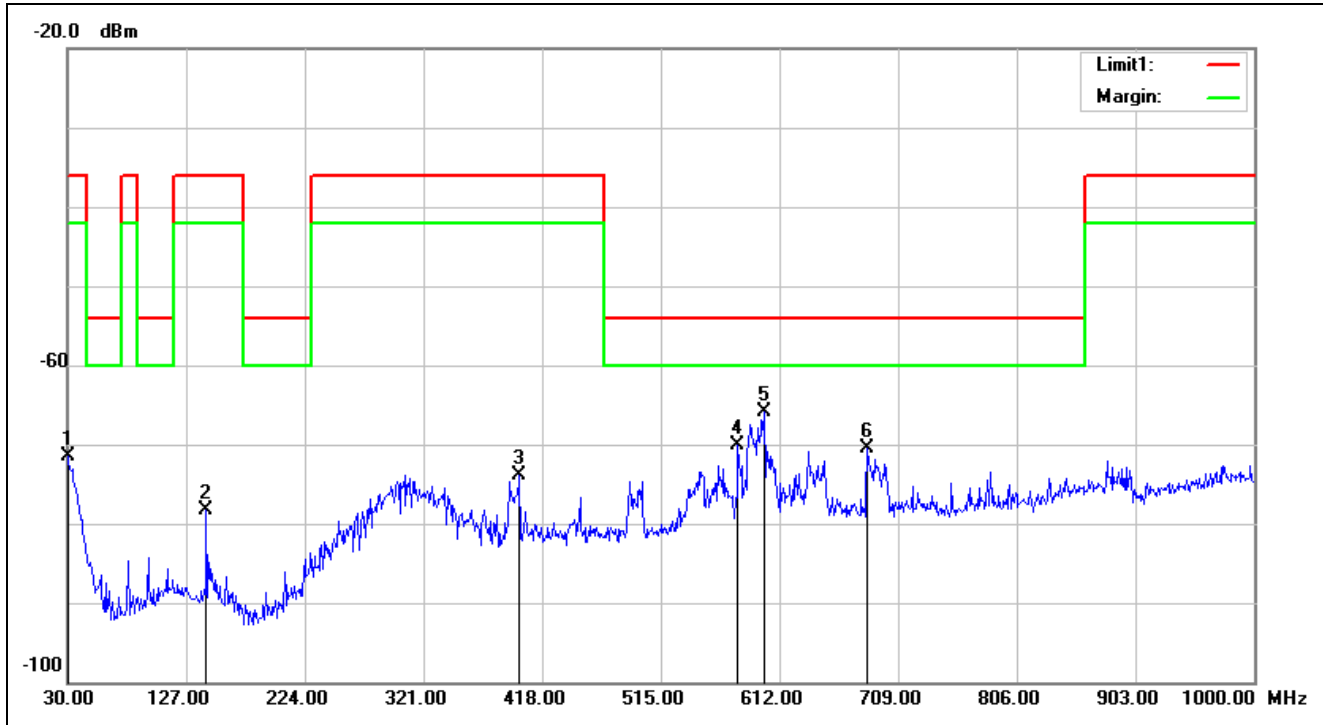
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

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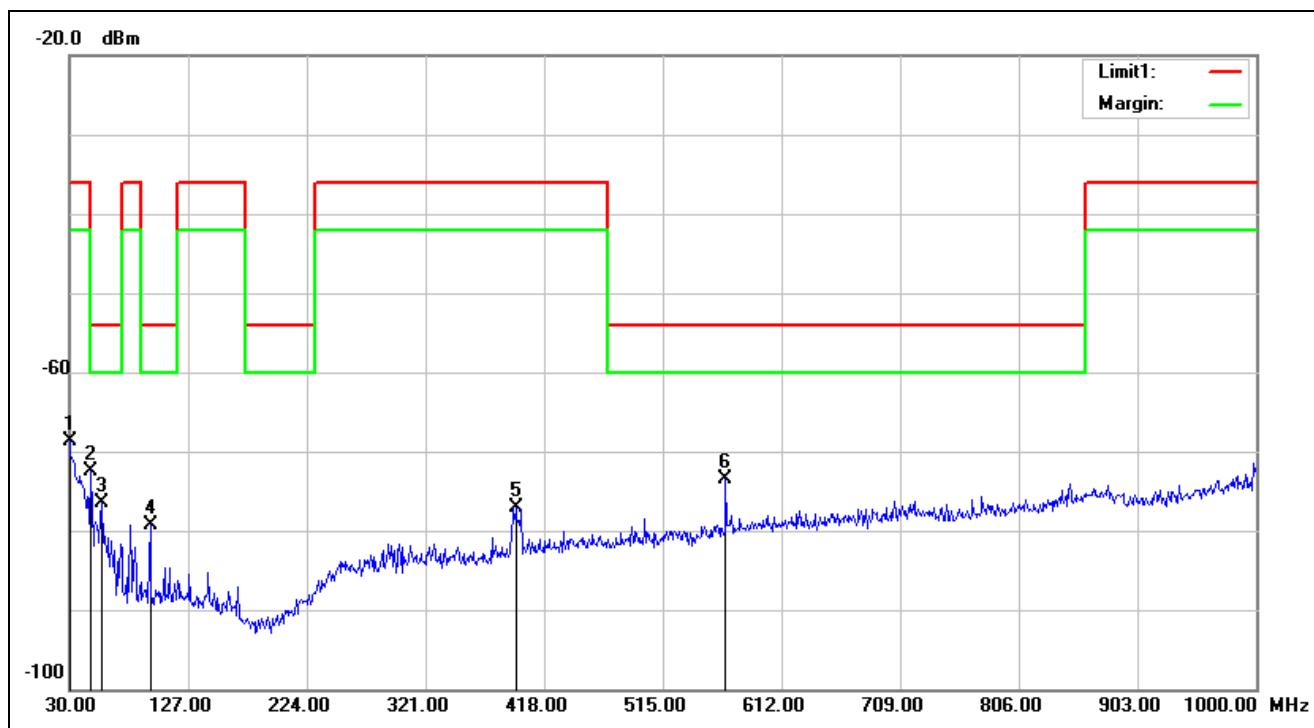
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:24:12
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-TX		
Remark:			

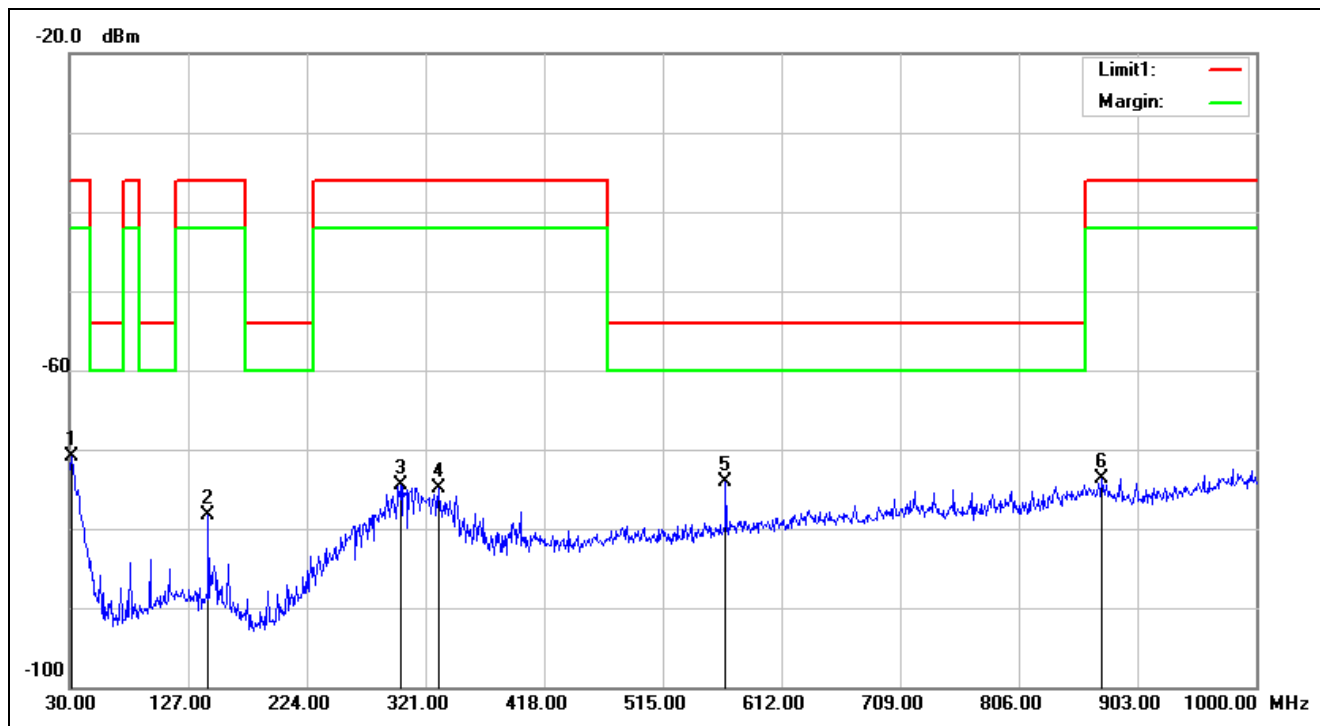
No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.38	-71.51	-36.00	-35.51	peak	100	67	
2	143.4900	-11.14	-67.09	-78.23	-36.00	-42.23	peak	100	201	
3	399.5700	-4.24	-69.68	-73.92	-36.00	-37.92	peak	100	251	
4	578.0500	-2.11	-67.99	-70.10	-54.00	-16.10	peak	100	190	
5	599.3900	-1.82	-64.16	-65.98	-54.00	-11.98	peak	100	223	
6	683.7800	-1.20	-69.35	-70.55	-54.00	-16.55	peak	100	221	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:25:15
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2402-TX		
Remark:			

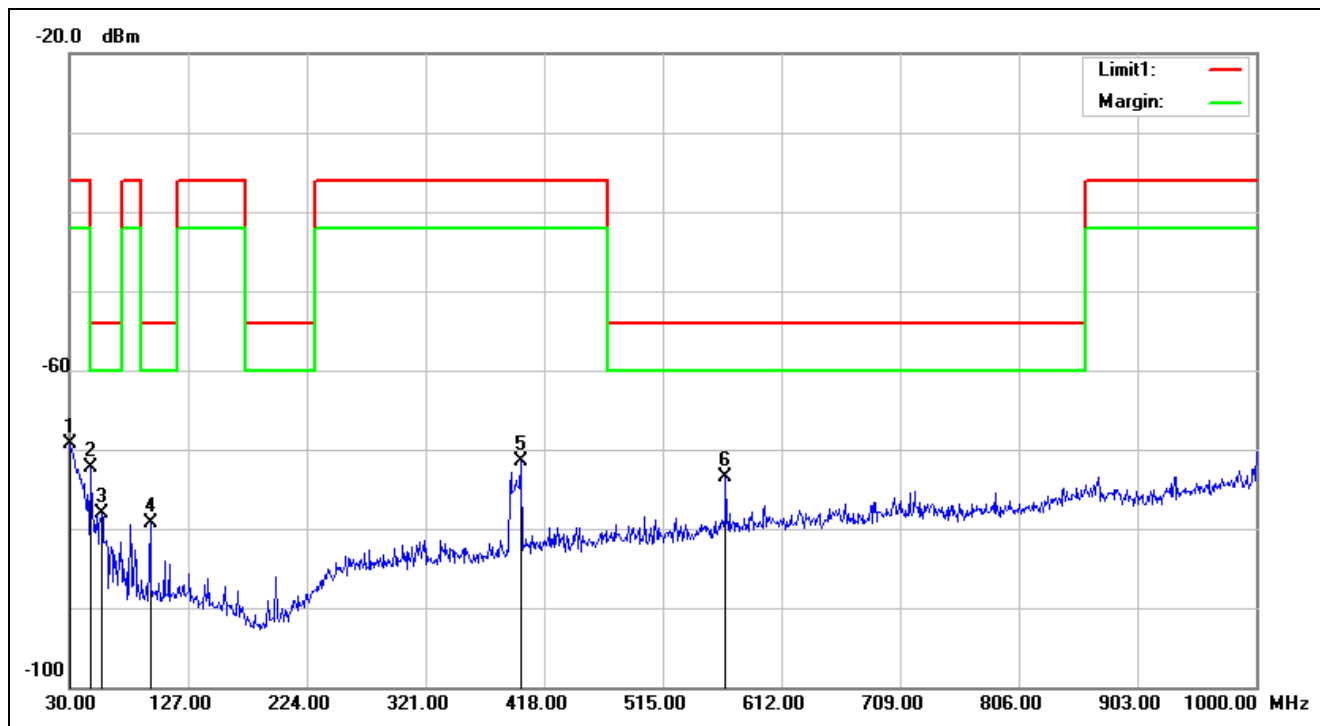
No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-75.66	-68.79	-36.00	-32.79	peak	100	178	
2	47.4600	-6.91	-65.51	-72.42	-54.00	-18.42	peak	100	1	
3	56.1900	-11.97	-64.62	-76.59	-54.00	-22.59	peak	100	81	
4	95.9599	-11.51	-67.71	-79.22	-54.00	-25.22	peak	100	0	
5	394.7200	-4.42	-72.60	-77.02	-36.00	-41.02	peak	100	201	
6	566.4100	-2.32	-71.18	-73.50	-54.00	-19.50	peak	100	167	



Service No.: 114039665-CE
 Test Standard: EN 300 328 1.8.1_Tx
 Test item: Radiation Emission
 Applicant: Microchip
 Product: Bluetooth Module
 Model No.: BM78
 Test Mode: 1DH5-2480-TX
 Remark:

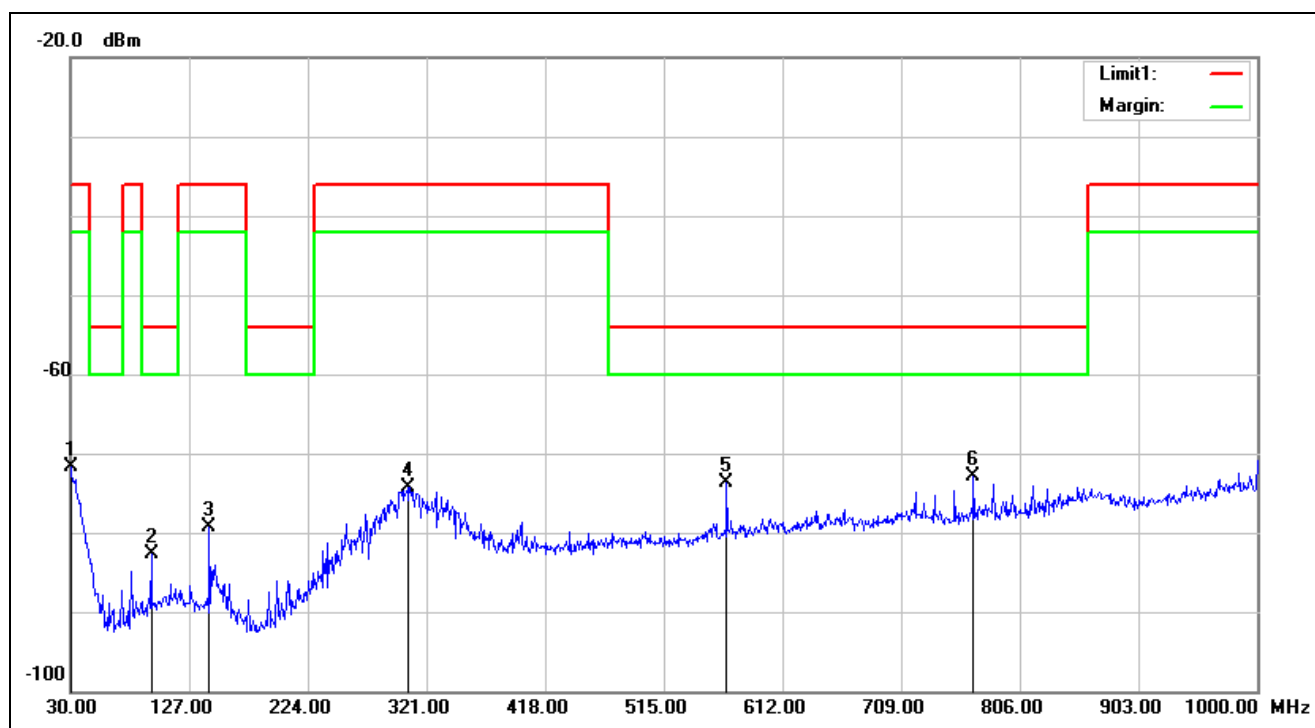
Test Distance: 3m
 Ant. Polarization: Horizontal
 Test Time: 2015/9/5 09:27:22
 Test Rating: DC 5V
 Temp.(°C)/Hum.(%): 22.6(°C)/59%
 Test Engineer: George Yang

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	31.9400	5.62	-76.57	-70.95	-36.00	-34.95	peak	100	271	
2	143.4900	-11.14	-67.06	-78.20	-36.00	-42.20	peak	100	154	
3	300.6300	-6.10	-68.46	-74.56	-36.00	-38.56	peak	100	221	
4	331.6700	-5.69	-69.19	-74.88	-36.00	-38.88	peak	100	307	
5	566.4100	-2.32	-71.81	-74.13	-54.00	-20.13	peak	100	204	
6	873.9000	1.92	-75.52	-73.60	-36.00	-37.60	peak	100	229	



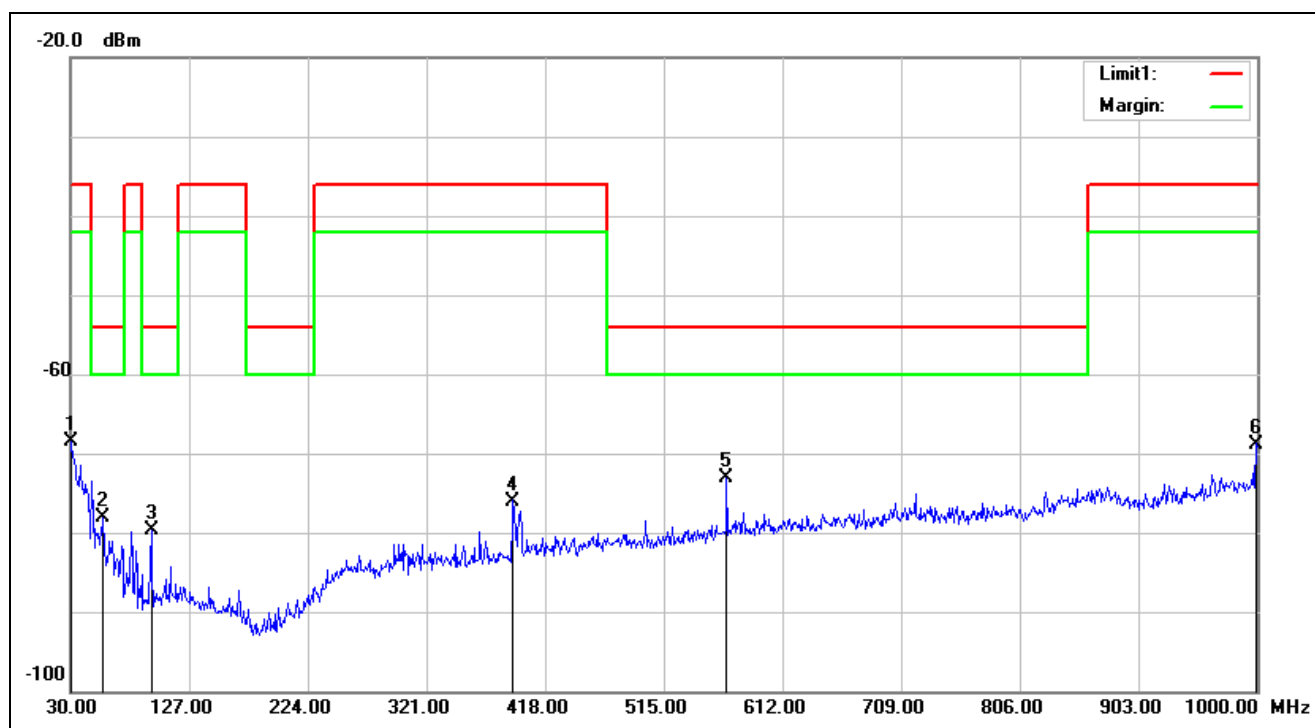
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:28:25
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-75.52	-69.27	-36.00	-33.27	peak	100	1	
2	47.4600	-6.91	-65.35	-72.26	-54.00	-18.26	peak	100	64	
3	56.1900	-11.97	-66.21	-78.18	-54.00	-24.18	peak	100	187	
4	95.9600	-11.51	-67.82	-79.33	-54.00	-25.33	peak	100	360	
5	399.5700	-4.24	-67.23	-71.47	-36.00	-35.47	peak	100	220	
6	566.4100	-2.32	-71.09	-73.41	-54.00	-19.41	peak	100	281	



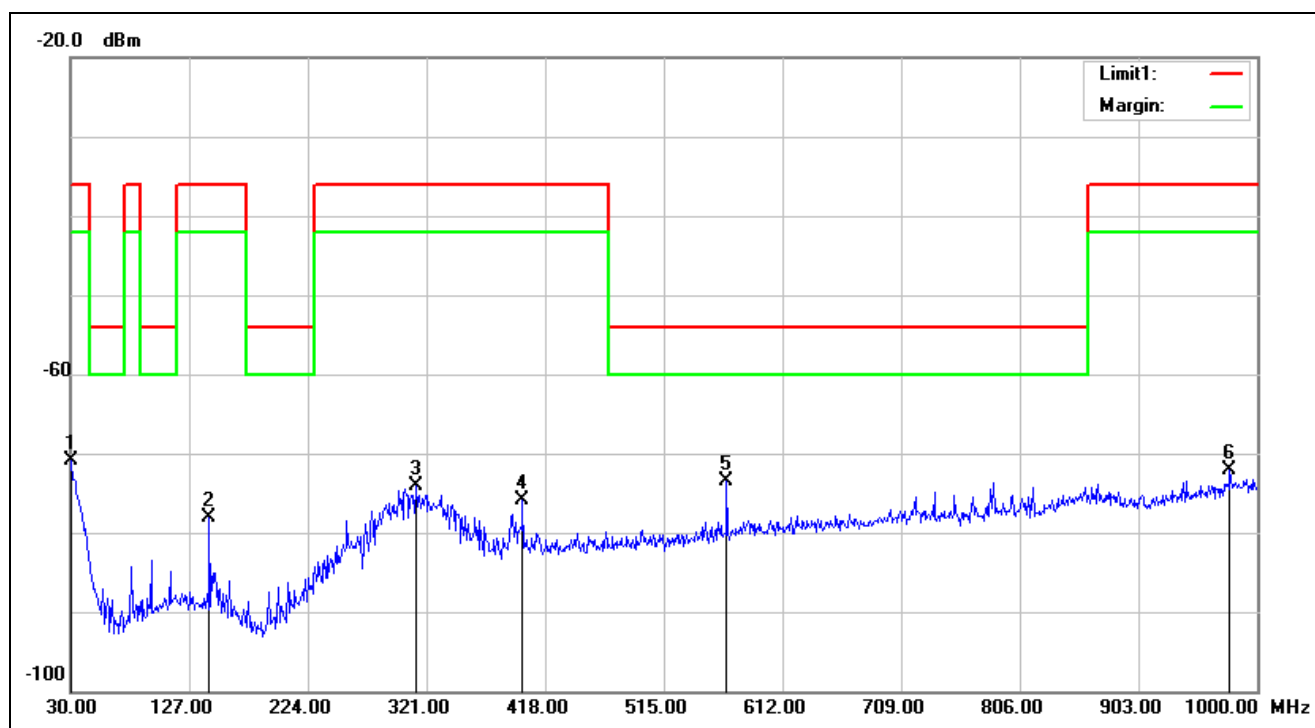
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:29:57
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.64	-71.77	-36.00	-35.77	peak	100	0	
2	95.9599	-11.51	-71.27	-82.78	-54.00	-28.78	peak	100	62	
3	143.4900	-11.14	-68.06	-79.20	-36.00	-43.20	peak	100	215	
4	305.4800	-6.07	-68.27	-74.34	-36.00	-38.34	peak	100	226	
5	566.4100	-2.32	-71.31	-73.63	-54.00	-19.63	peak	100	204	
6	768.1700	-0.54	-72.28	-72.82	-54.00	-18.82	peak	100	316	



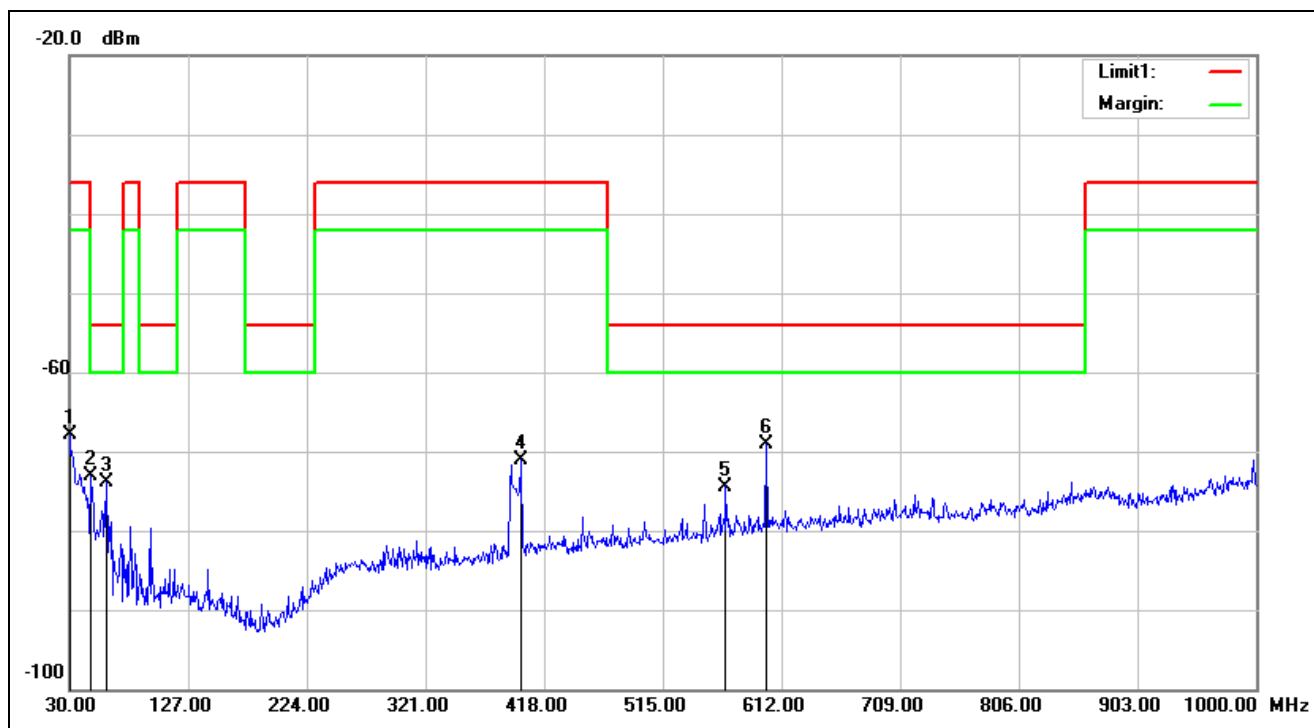
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:31:00
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-74.81	-68.56	-36.00	-32.56	peak	100	89	
2	56.1900	-11.97	-66.20	-78.17	-54.00	-24.17	peak	100	87	
3	95.9600	-11.51	-68.22	-79.73	-54.00	-25.73	peak	100	306	
4	391.8100	-4.51	-71.49	-76.00	-36.00	-40.00	peak	100	190	
5	566.4100	-2.32	-70.84	-73.16	-54.00	-19.16	peak	100	170	
6	999.0300	3.35	-72.15	-68.80	-36.00	-32.80	peak	100	298	



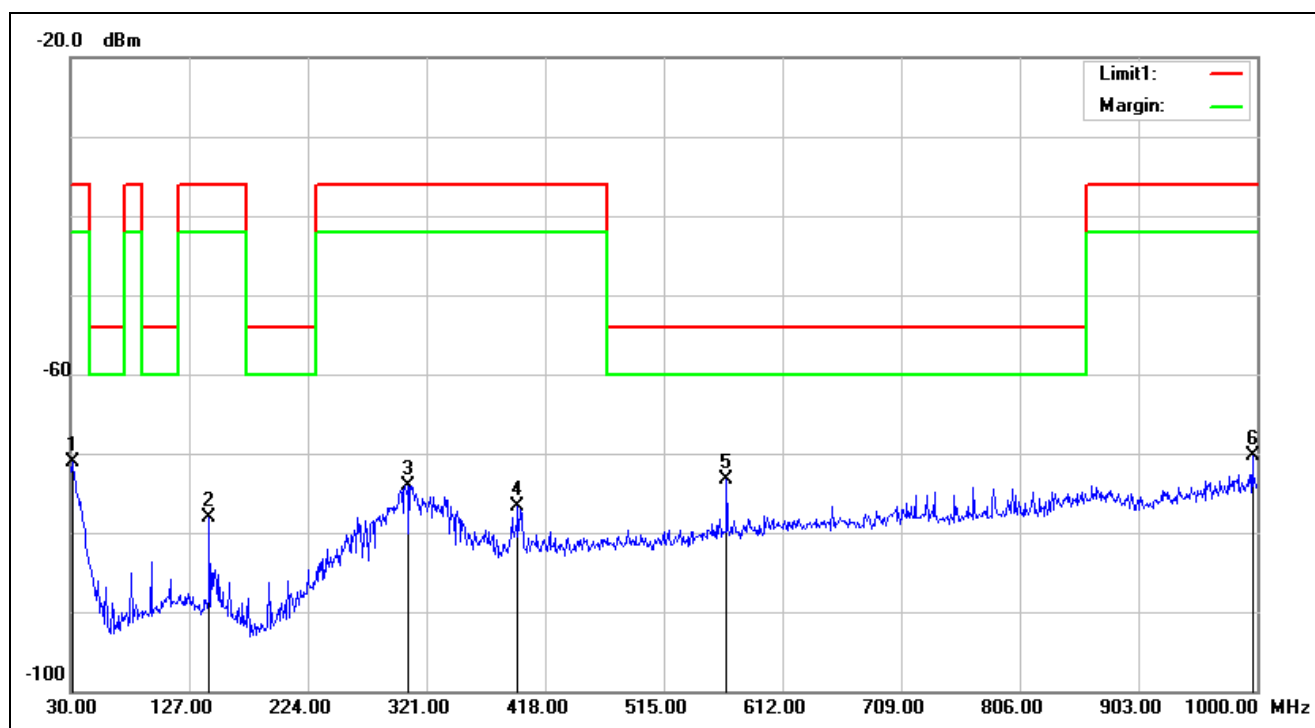
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:32:29
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	6.25	-77.12	-70.87	-36.00	-34.87	peak	100	28	
2	143.4900	-11.14	-66.94	-78.08	-36.00	-42.08	peak	100	206	
3	312.2700	-6.00	-68.18	-74.18	-36.00	-38.18	peak	100	168	
4	399.5700	-4.24	-71.63	-75.87	-36.00	-39.87	peak	100	358	
5	566.4100	-2.32	-71.26	-73.58	-54.00	-19.58	peak	100	196	
6	977.6900	3.57	-75.64	-72.07	-36.00	-36.07	peak	100	259	



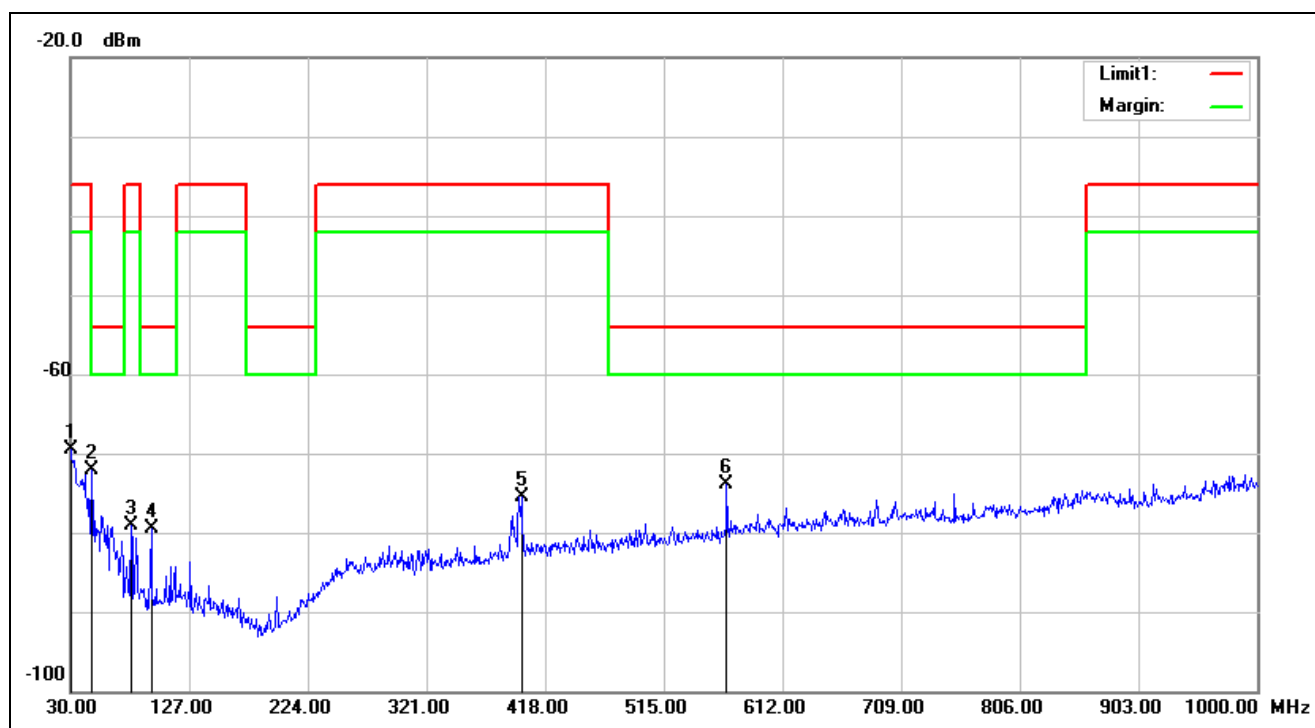
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:33:31
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	2DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-74.72	-67.85	-36.00	-31.85	peak	100	122	
2	47.4600	-6.91	-66.15	-73.06	-54.00	-19.06	peak	100	72	
3	60.0700	-13.63	-60.35	-73.98	-54.00	-19.98	peak	100	184	
4	399.5700	-4.24	-66.81	-71.05	-36.00	-35.05	peak	100	209	
5	566.4100	-2.32	-72.08	-74.40	-54.00	-20.40	peak	100	170	
6	599.3900	-1.82	-67.35	-69.17	-54.00	-15.17	peak	100	209	



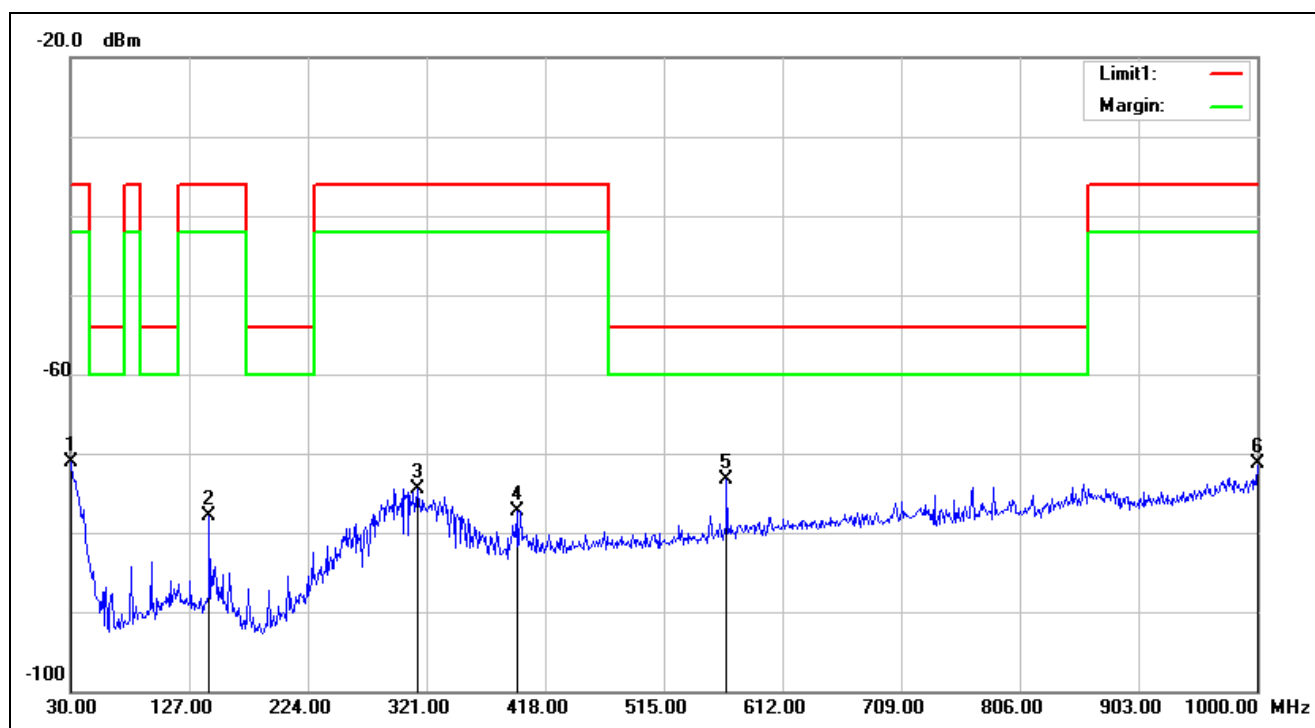
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:35:10
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	31.9400	5.62	-76.72	-71.10	-36.00	-35.10	peak	100	118	
2	143.4900	-11.14	-66.99	-78.13	-36.00	-42.13	peak	100	157	
3	305.4800	-6.07	-67.94	-74.01	-36.00	-38.01	peak	100	140	
4	395.6900	-4.37	-72.41	-76.78	-36.00	-40.78	peak	100	263	
5	566.4100	-2.32	-70.99	-73.31	-54.00	-19.31	peak	100	207	
6	996.1200	3.39	-73.67	-70.28	-36.00	-34.28	peak	100	73	



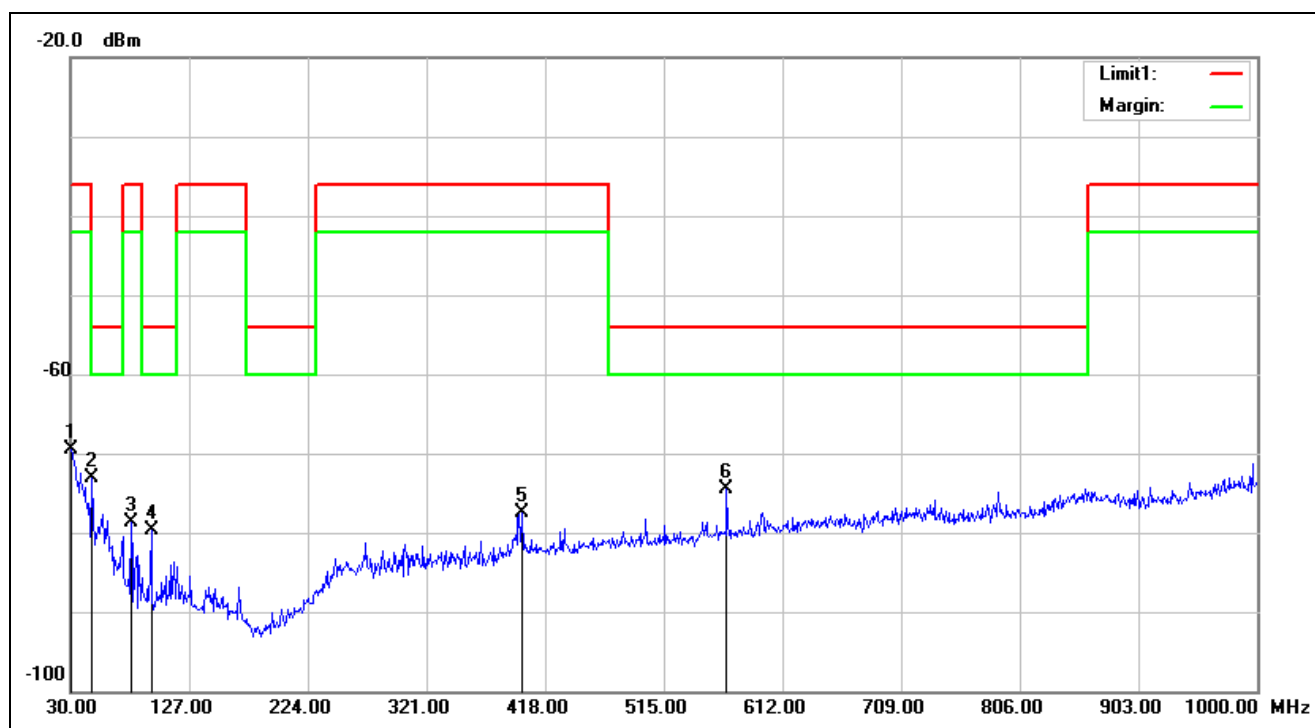
Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:36:12
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-76.35	-69.48	-36.00	-33.48	peak	100	112	
2	47.4600	-6.91	-65.25	-72.16	-54.00	-18.16	peak	100	346	
3	79.4700	-12.91	-66.10	-79.01	-36.00	-43.01	peak	100	270	
4	95.9600	-11.51	-68.00	-79.51	-54.00	-25.51	peak	100	315	
5	398.6000	-4.27	-71.22	-75.49	-36.00	-39.49	peak	100	187	
6	566.4100	-2.32	-71.61	-73.93	-54.00	-19.93	peak	100	179	



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/5 09:37:45
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-78.00	-71.13	-36.00	-35.13	peak	100	126	
2	143.4900	-11.14	-66.73	-77.87	-36.00	-41.87	peak	100	221	
3	313.2400	-5.99	-68.42	-74.41	-36.00	-38.41	peak	100	134	
4	394.7200	-4.42	-72.84	-77.26	-36.00	-41.26	peak	100	240	
5	566.4100	-2.32	-70.99	-73.31	-54.00	-19.31	peak	100	207	
6	1000.0000	3.32	-74.57	-71.25	-36.00	-35.25	peak	100	98	



Service No.:	114039665-CE	Test Distance:	3m
Test Standard:	EN 300 328 1.8.1_Tx	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/5 09:38:48
Applicant:	Microchip	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	BM78	Test Engineer:	George Yang
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	6.87	-76.29	-69.42	-36.00	-33.42	peak	100	195	
2	47.4600	-6.91	-66.27	-73.18	-54.00	-19.18	peak	100	346	
3	79.4700	-12.91	-65.86	-78.77	-36.00	-42.77	peak	100	321	
4	95.9600	-11.51	-68.26	-79.77	-54.00	-25.77	peak	100	23	
5	398.6000	-4.27	-73.18	-77.45	-36.00	-41.45	peak	100	359	
6	566.4100	-2.32	-72.18	-74.50	-54.00	-20.50	peak	100	176	