

Test Report No.50169070 001

Appendix D: Radiated and Mains Spurious Emission Data

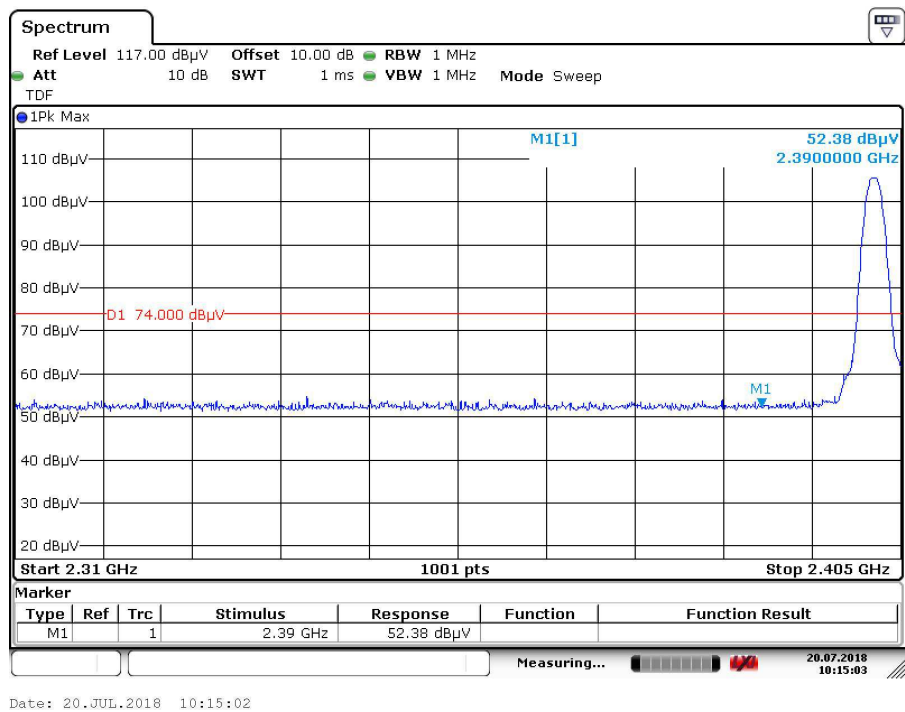
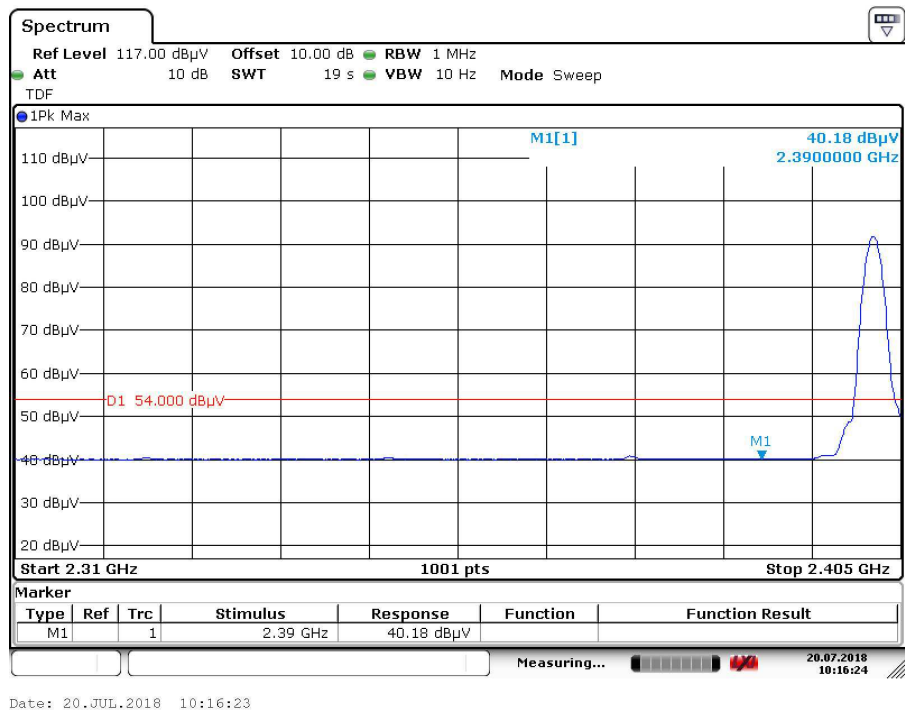
(File: 50169070AppendixD)

Contents

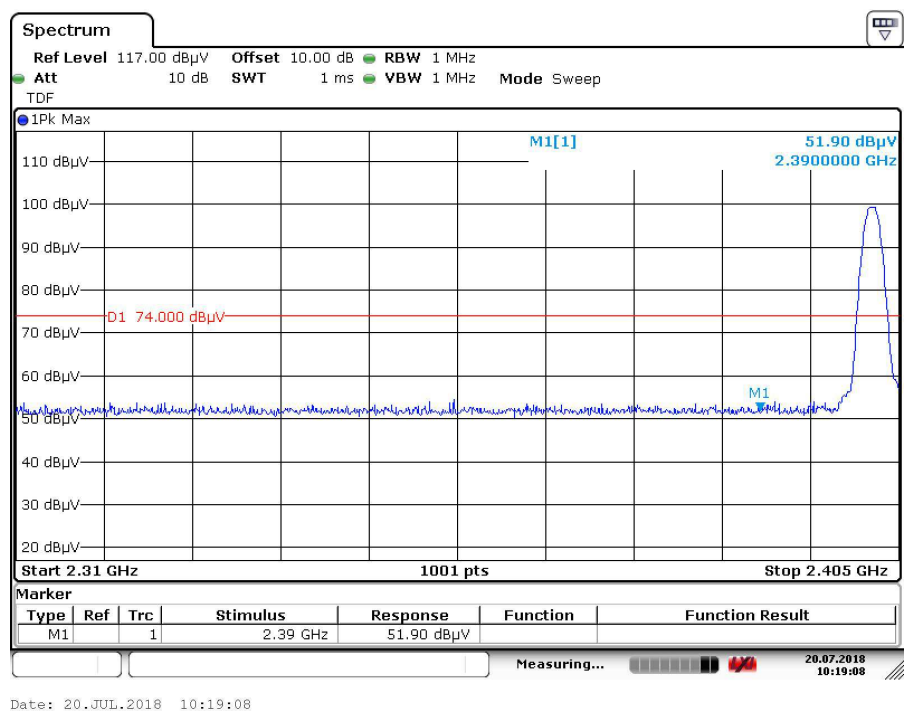
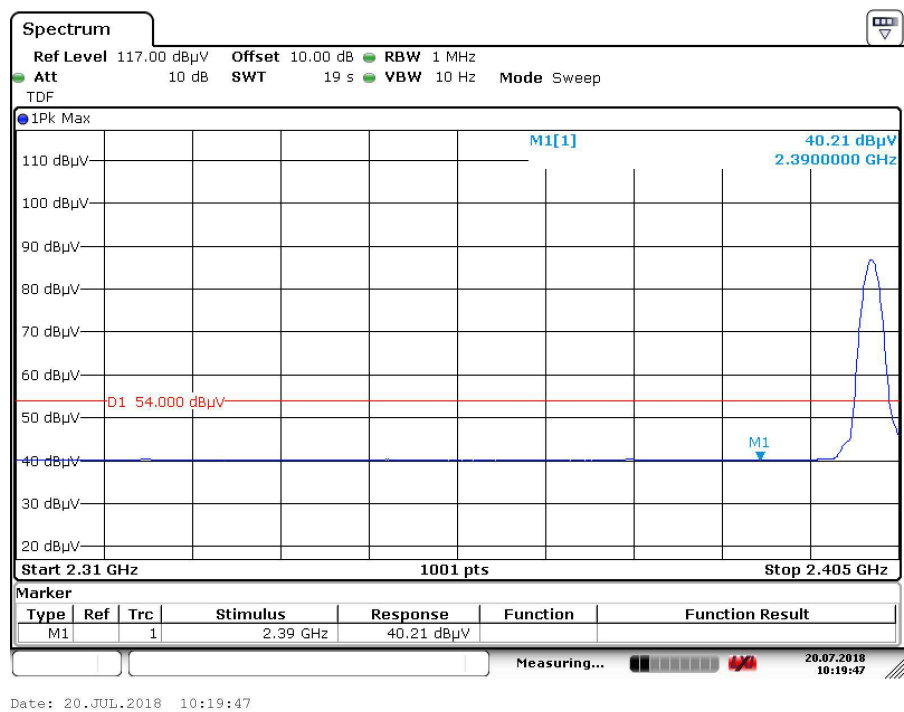
Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G.....	10
Spurious Emissions, TX Mode, 18-26G.....	22
Spurious Emissions, TX Mode, 30M-1G	34
Spurious Emissions, TX Mode, 9k-30M	36
Spurious Emissions, RX Mode, 1-18G	38
Spurious Emissions, RX Mode, 18-26G	40
Spurious Emissions, RX Mode, 30M-1G.....	42
Spurious Emissions, RX Mode, 9K-30M.....	44
Spurious Emissions, Mains, 150kHz - 30MHz.....	46

Radiated Bandedge (GFSK)

Low Channel (Hor)



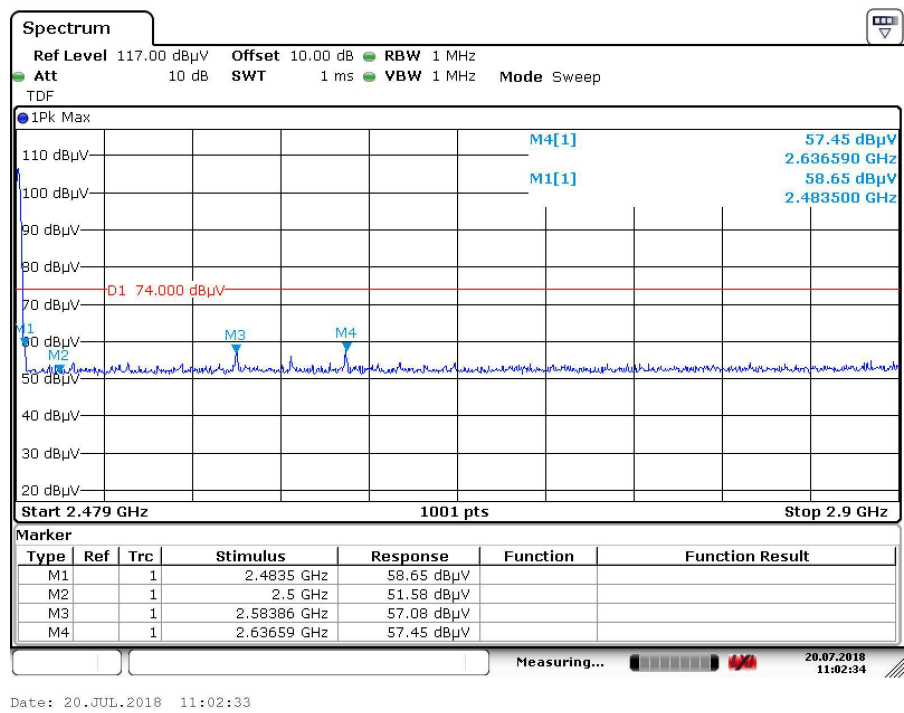
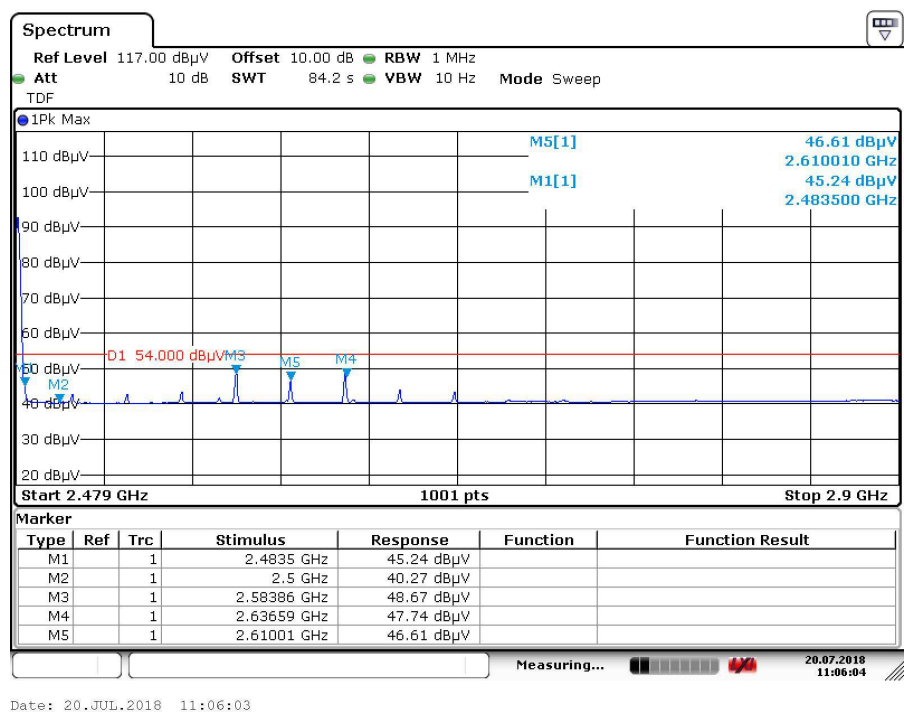
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

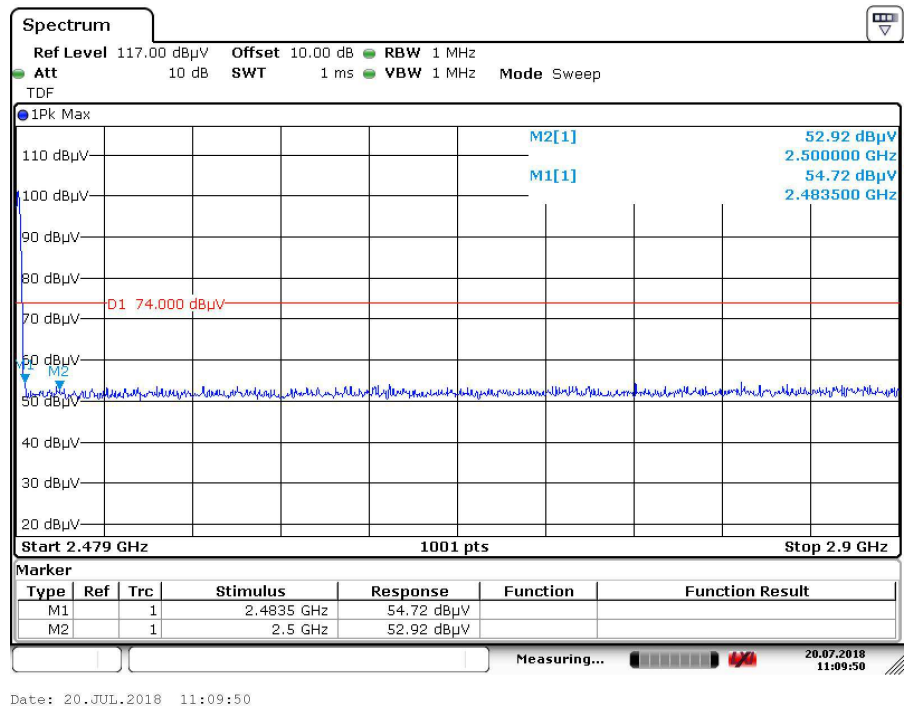
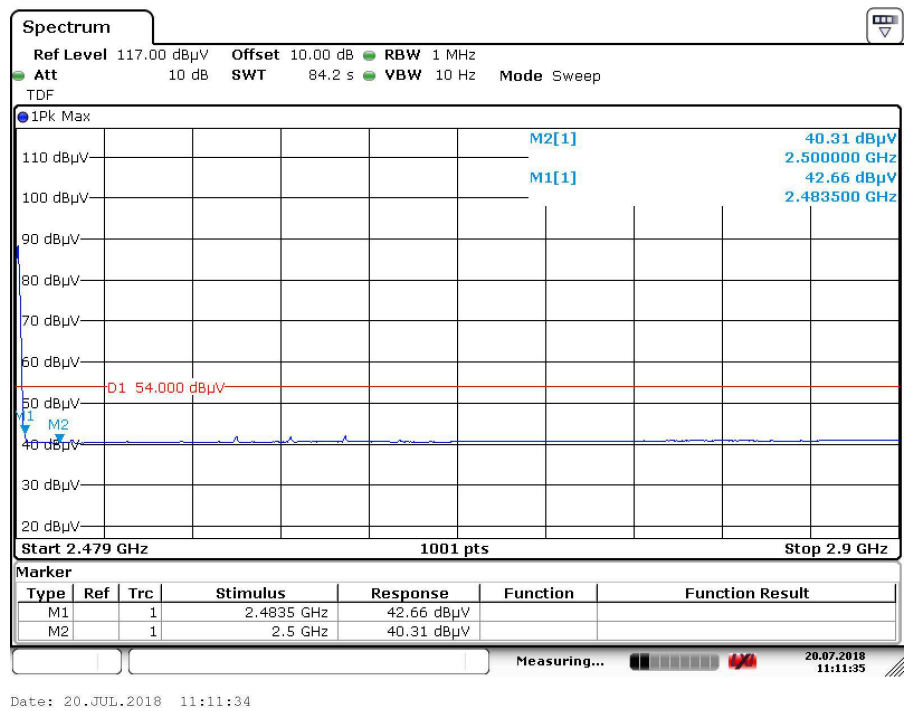
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

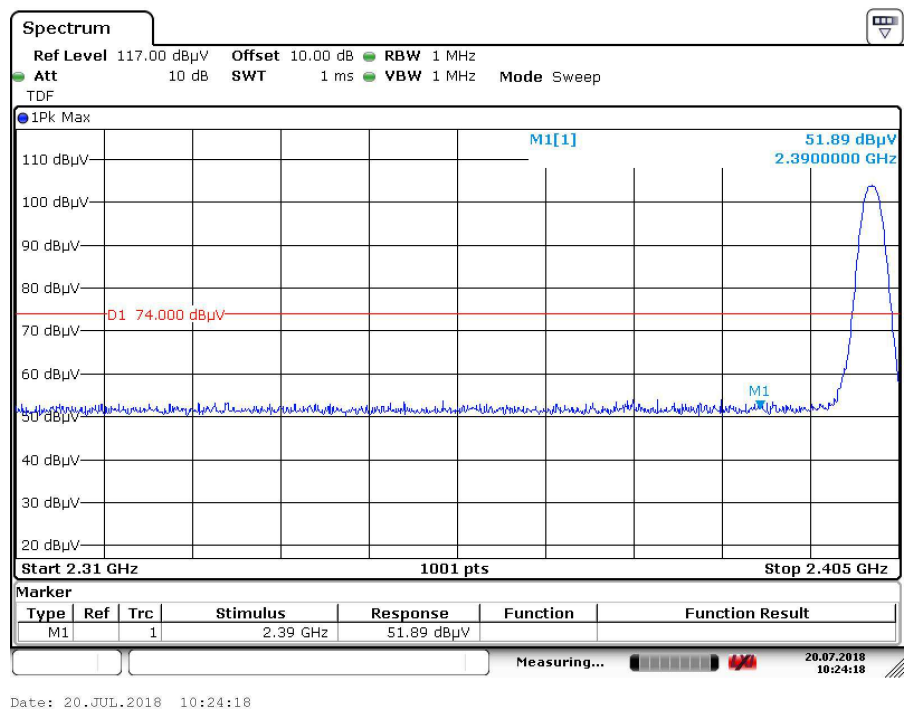
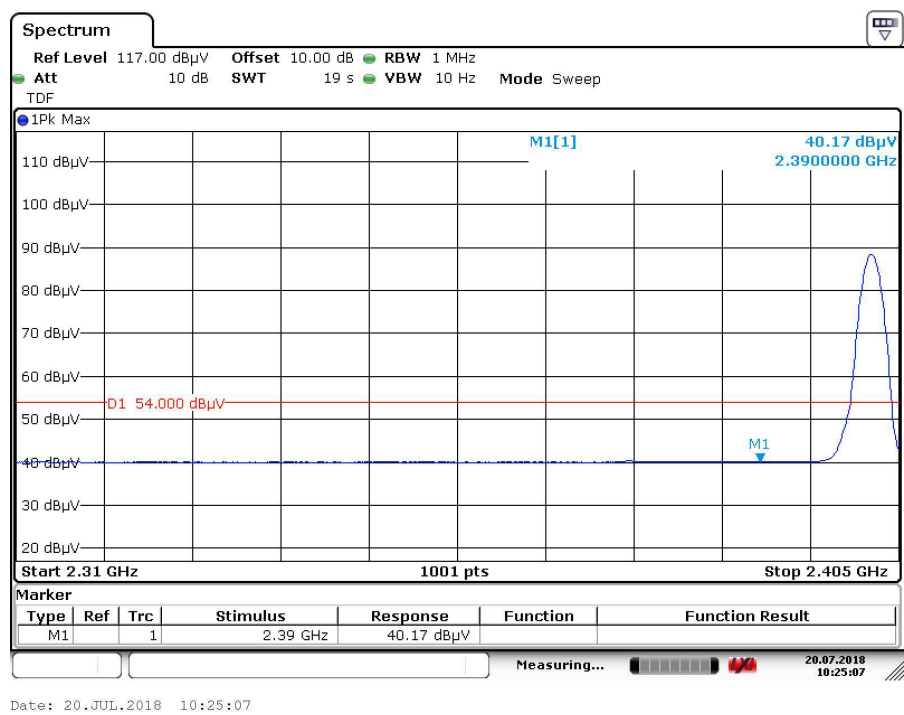
High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

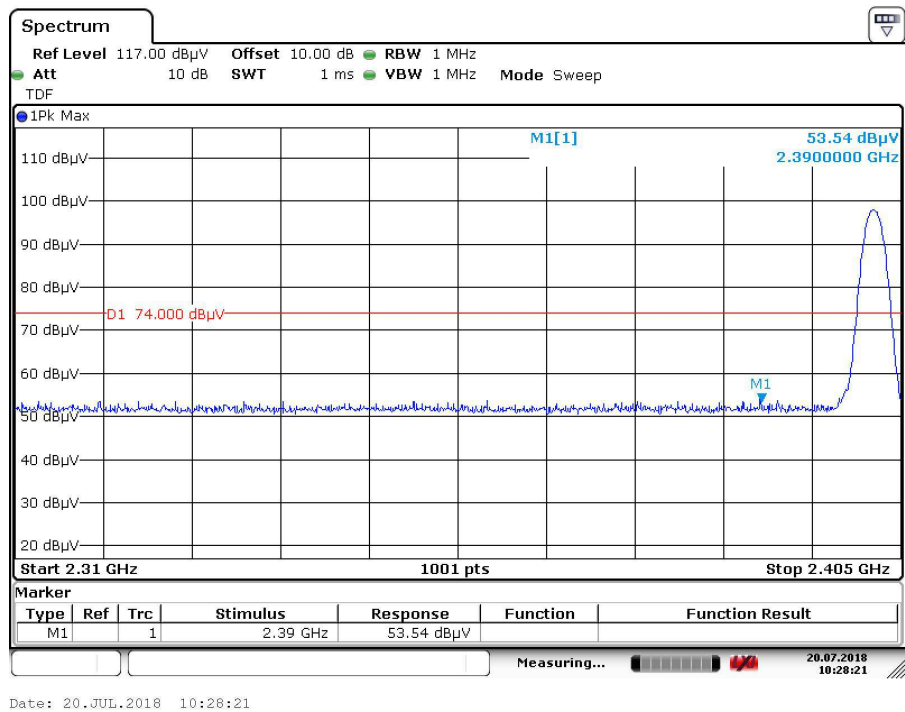
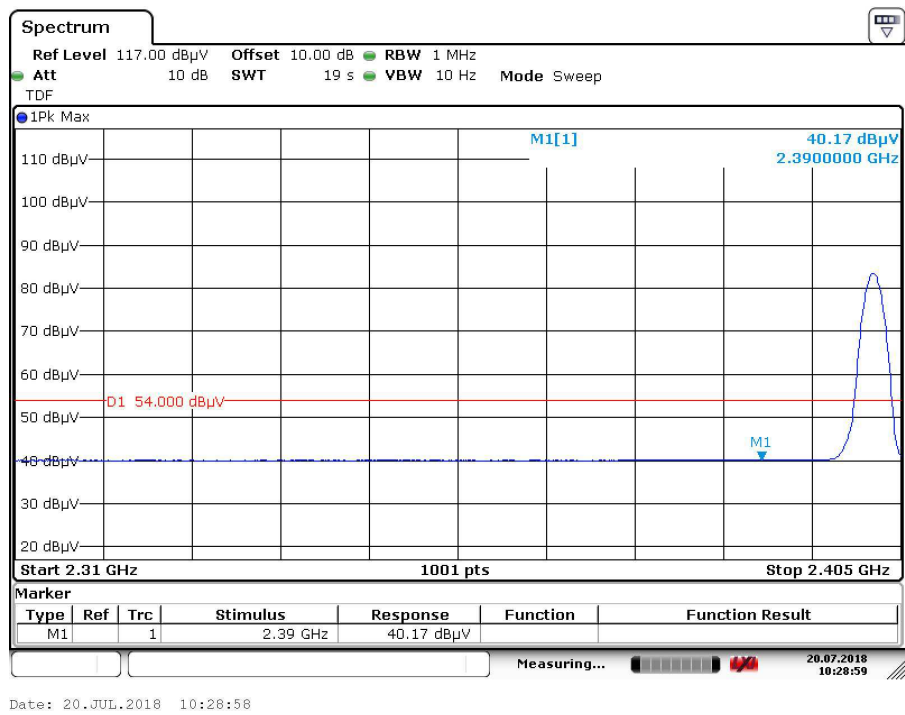
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

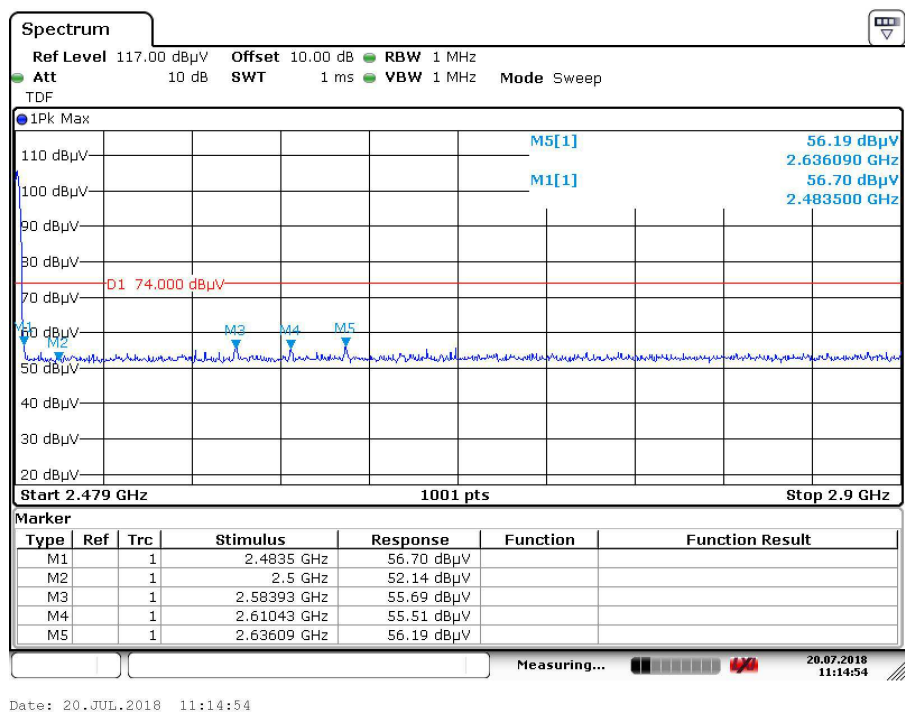
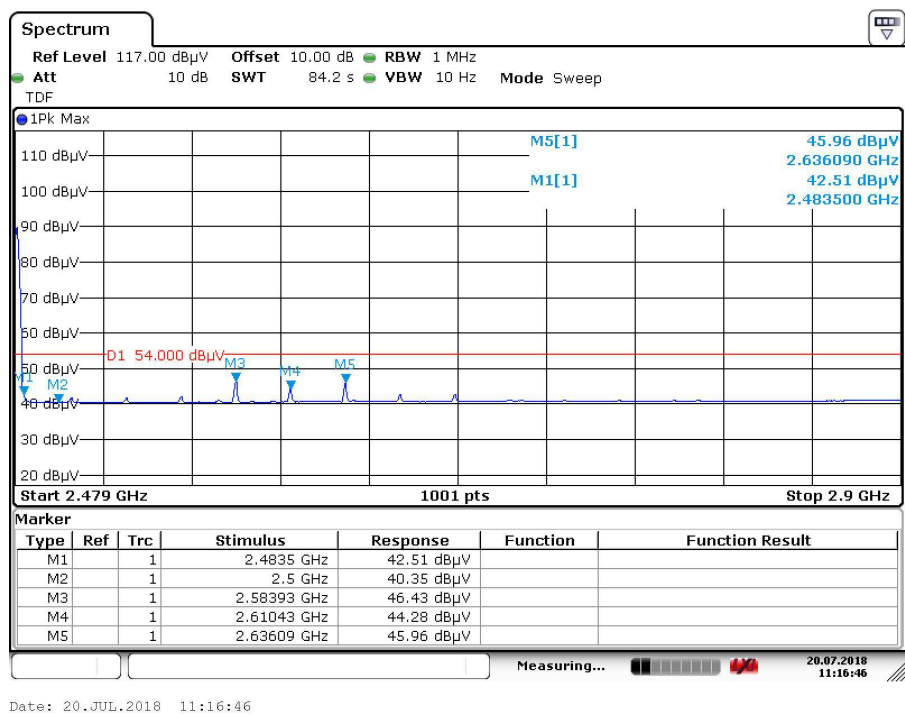
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

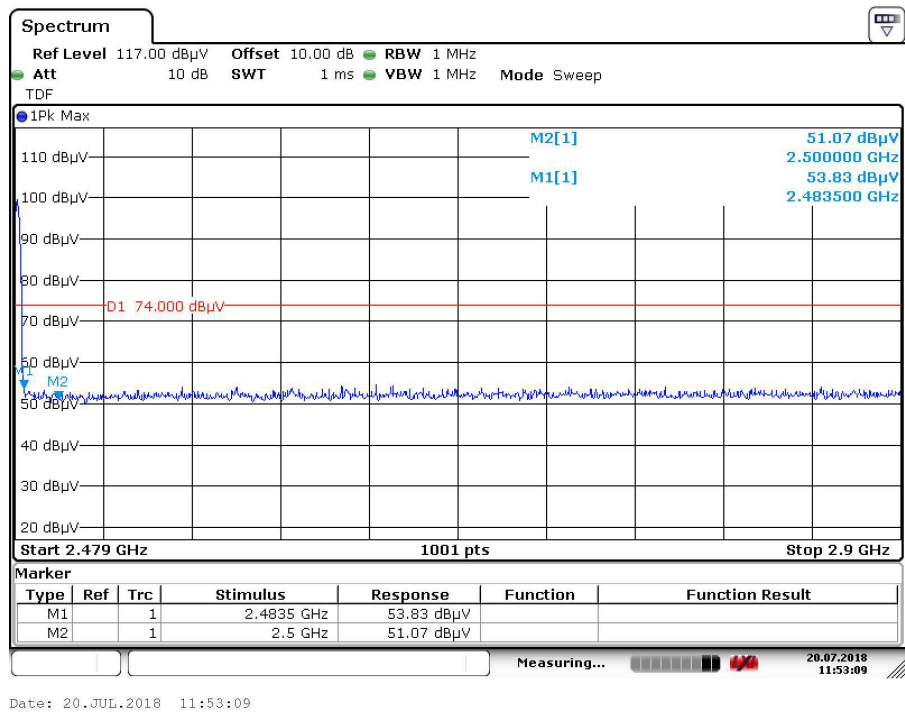
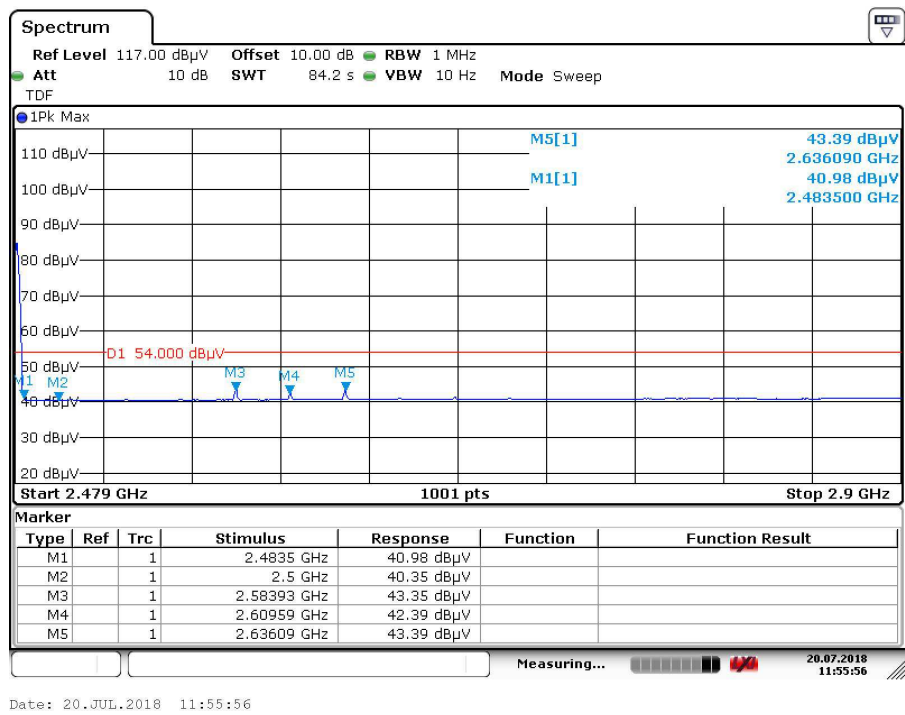
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

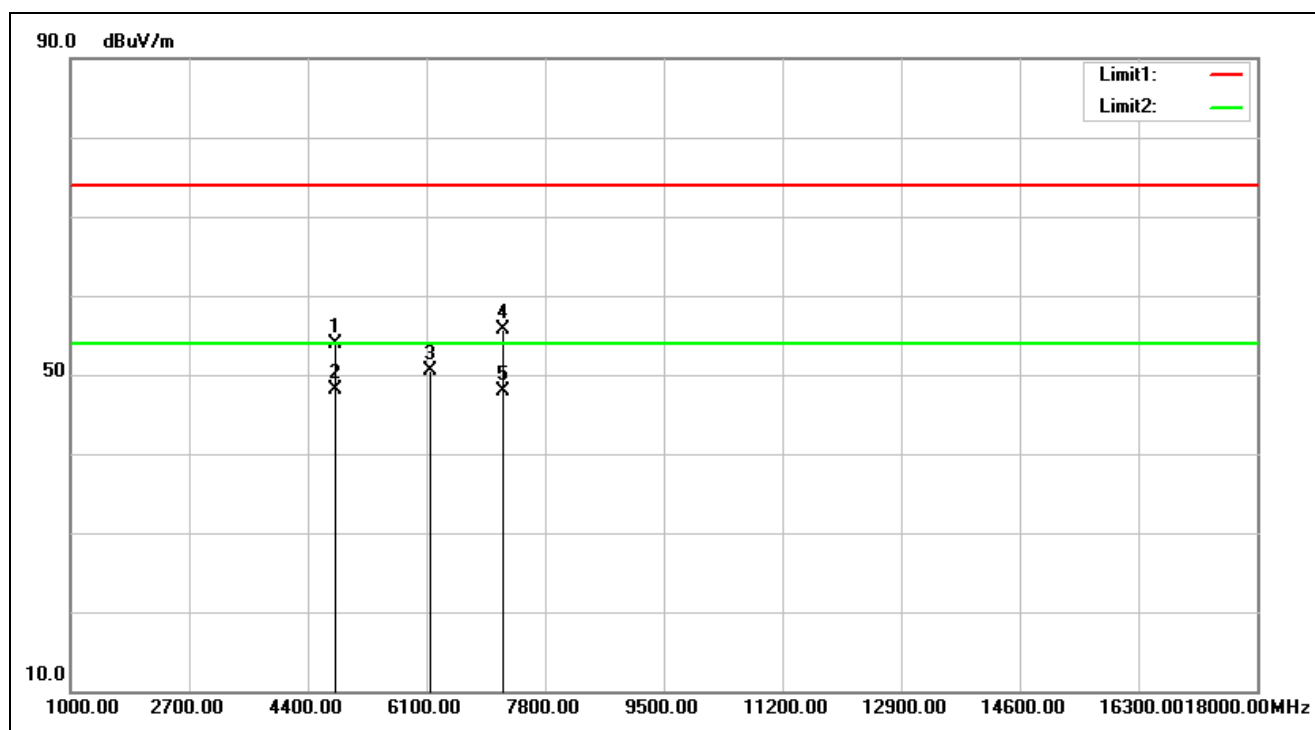
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

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

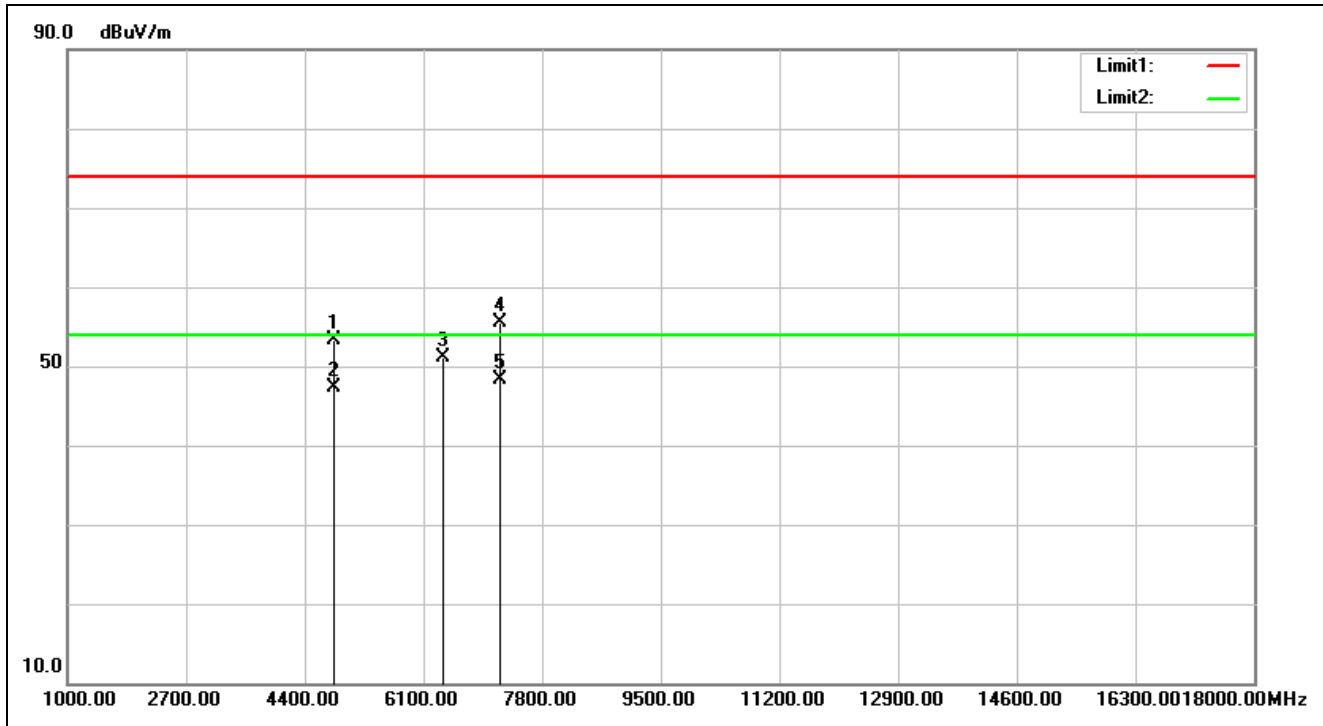
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 11:48:33
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402-TX		
Remark:			

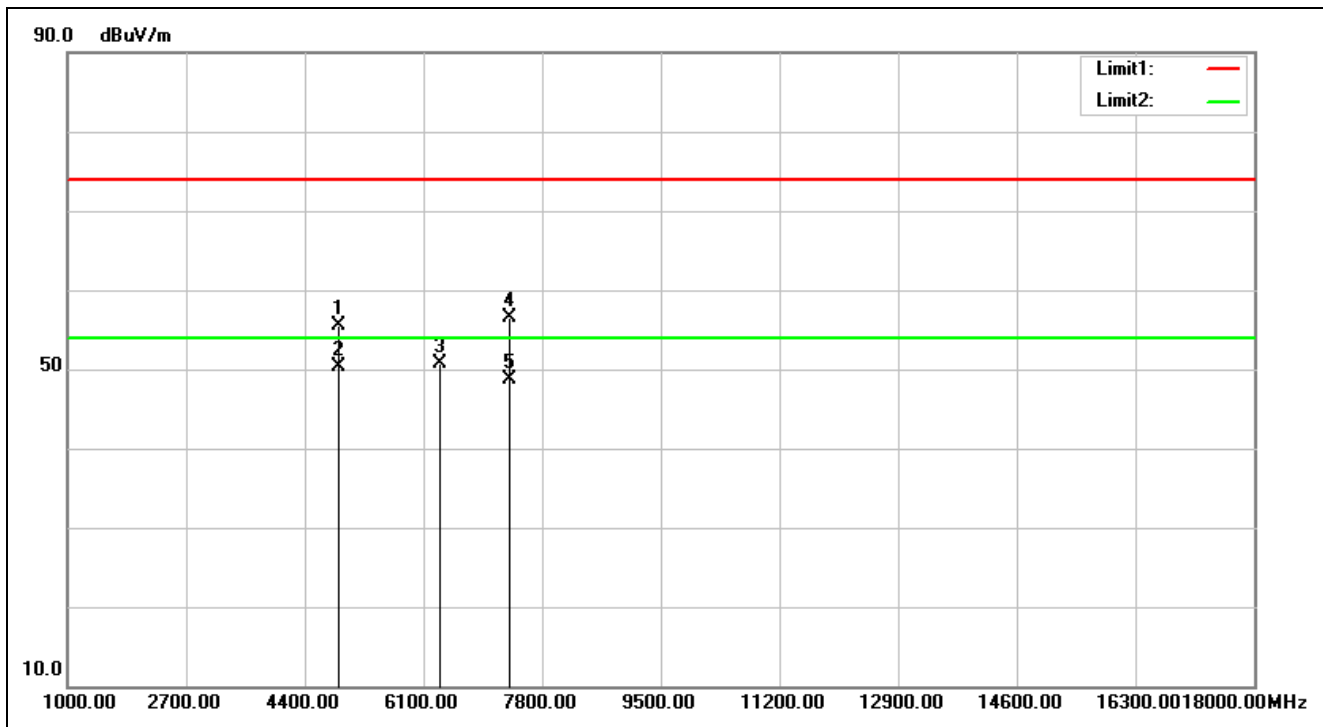
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.48	56.46	53.98	74.00	-20.02	peak	100	296	
2	4804.000	-2.48	50.64	48.16	54.00	-5.84	AVG	100	296	
3	6151.000	4.10	46.50	50.60	74.00	-23.40	peak	100	55	
4	7206.000	5.39	50.23	55.62	74.00	-18.38	peak	100	77	
5	7206.000	5.39	42.46	47.85	54.00	-6.15	AVG	100	77	

Spurious Emissions, TX Mode, 1-18G



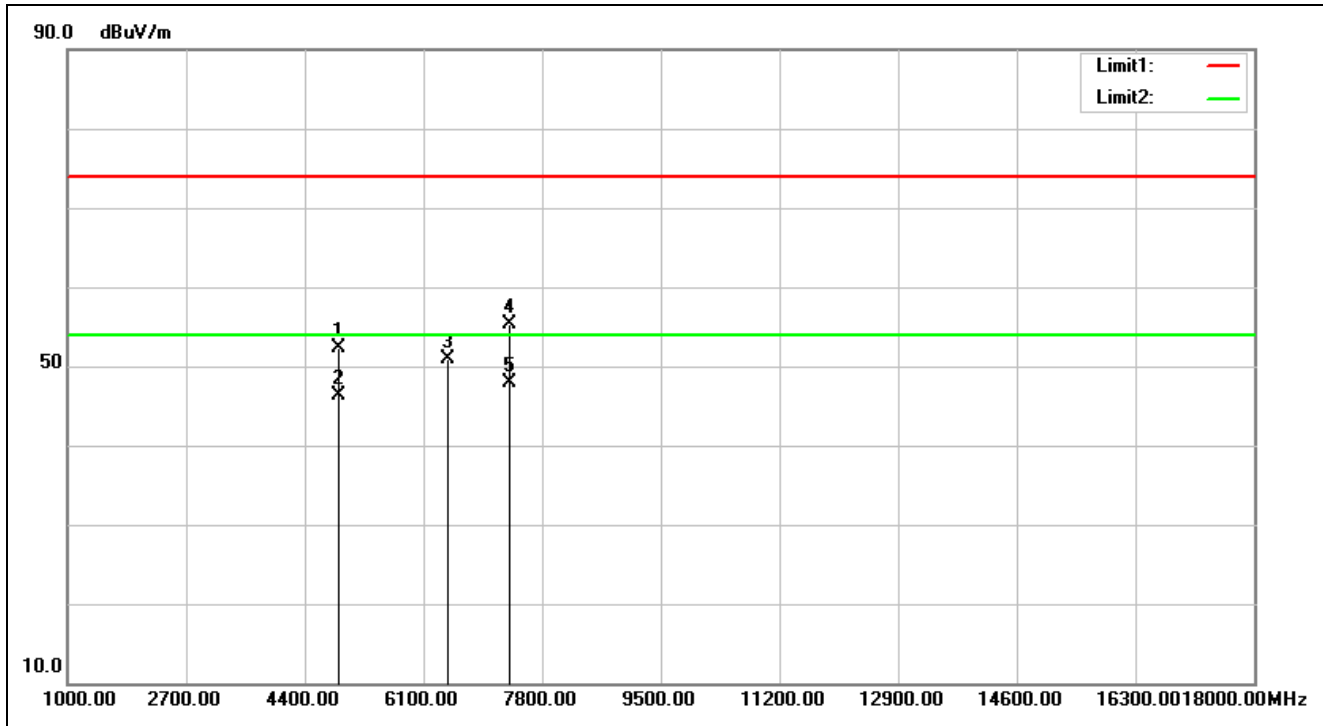
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 11:49:35
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.48	55.87	53.39	74.00	-20.61	peak	100	347	
2	4804.000	-2.48	49.84	47.36	54.00	-6.64	AVG	100	347	
3	6372.000	5.02	46.05	51.07	74.00	-22.93	peak	100	250	
4	7206.000	5.39	50.16	55.55	74.00	-18.45	peak	100	112	
5	7206.000	5.39	42.84	48.23	54.00	-5.77	AVG	100	112	



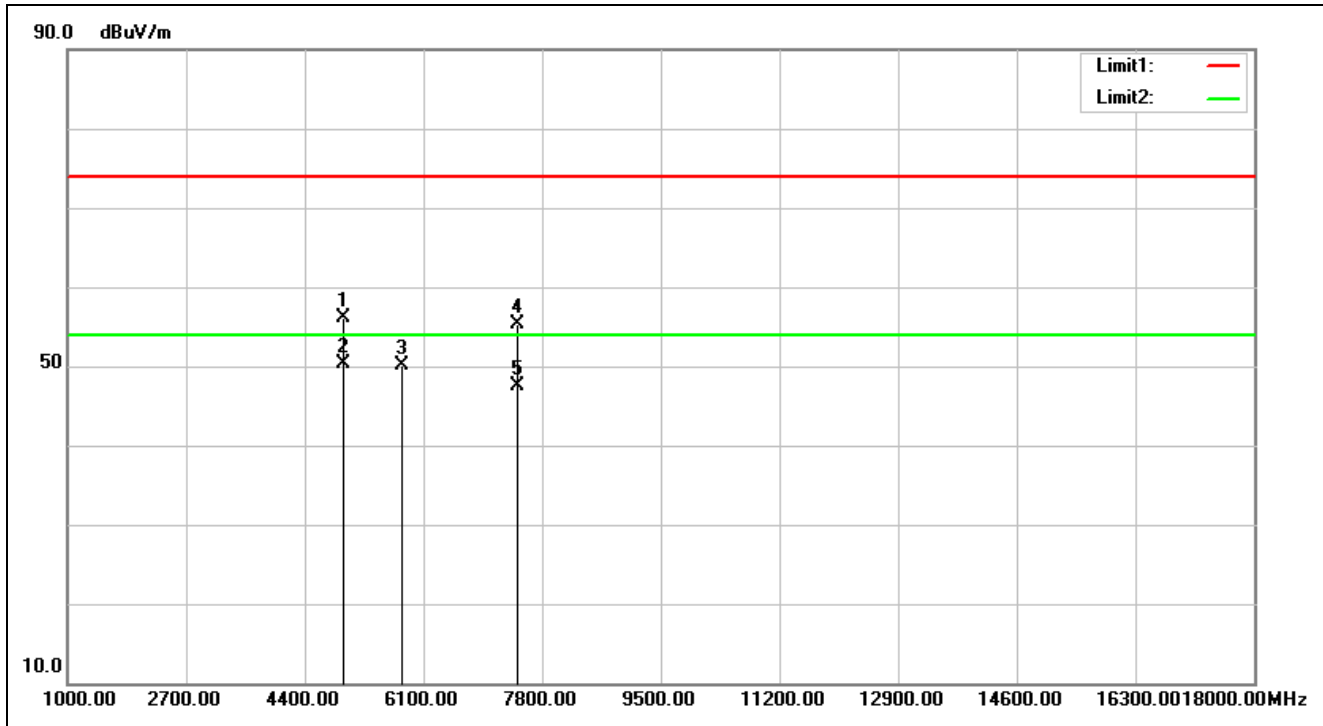
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 12:20:54
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%) :	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.27	57.70	55.43	74.00	-18.57	peak	100	207	
2	4882.000	-2.27	52.50	50.23	54.00	-3.77	AVG	100	207	
3	6338.000	4.89	45.90	50.79	74.00	-23.21	peak	100	168	
4	7323.000	5.65	50.76	56.41	74.00	-17.59	peak	100	54	
5	7323.000	5.65	42.99	48.64	54.00	-5.36	AVG	100	54	



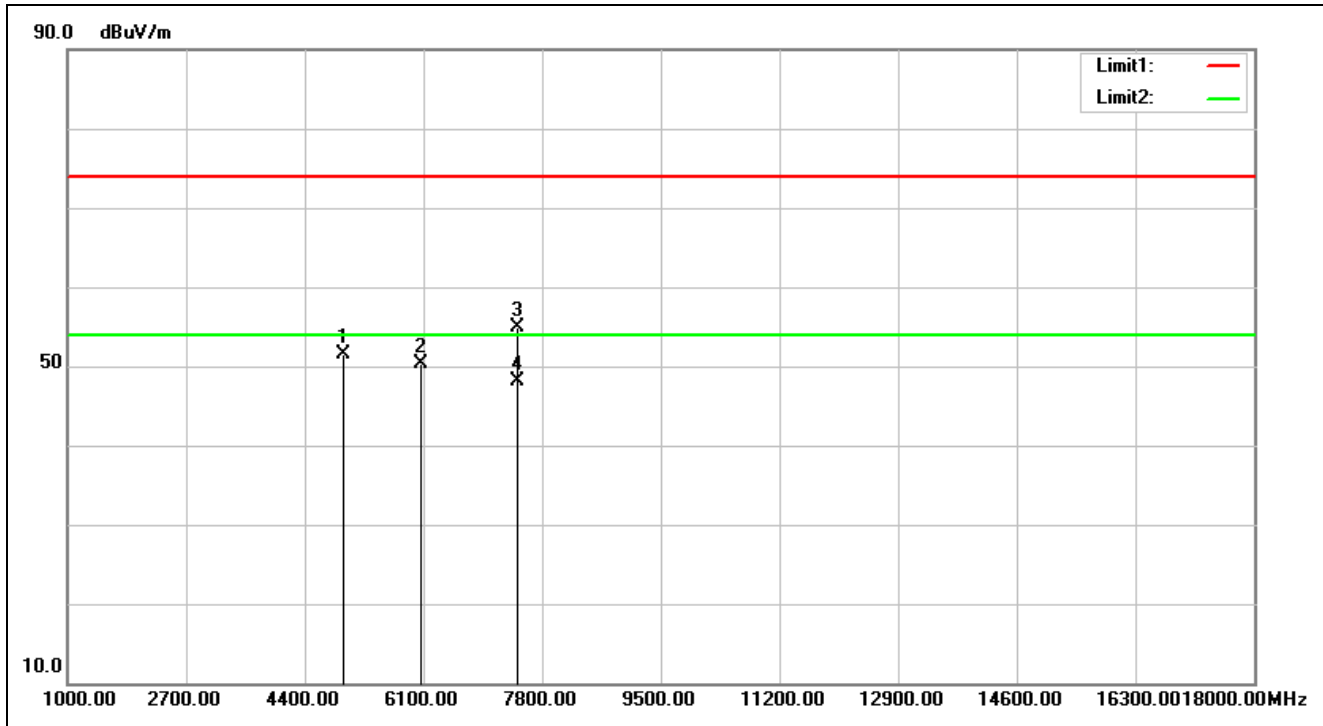
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Test item:	Radiation Emission	Test Time:	2018/7/20 12:21:57
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.27	54.55	52.28	74.00	-21.72	peak	100	174	
2	4882.000	-2.27	48.52	46.25	54.00	-7.75	AVG	100	174	
3	6440.000	5.31	45.68	50.99	74.00	-23.01	peak	100	149	
4	7323.000	5.65	49.59	55.24	74.00	-18.76	peak	100	113	
5	7323.000	5.65	42.27	47.92	54.00	-6.08	AVG	100	113	



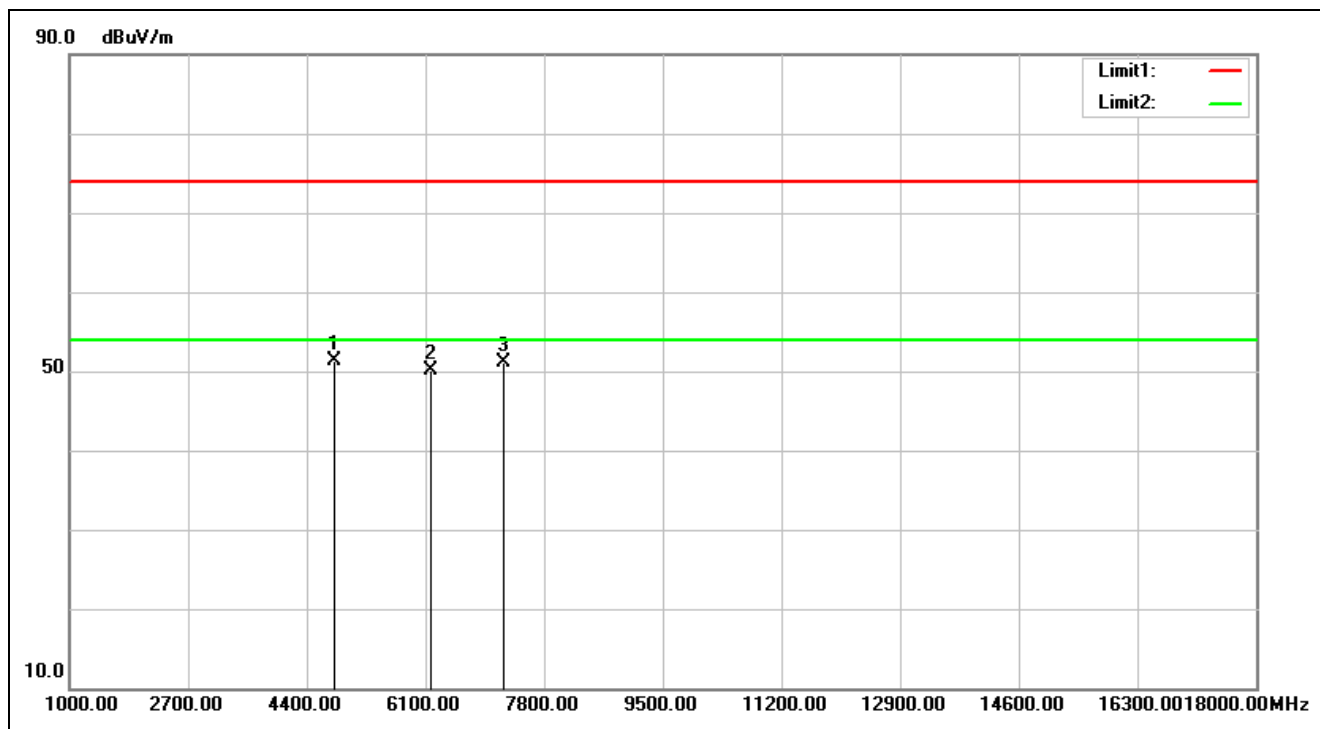
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 12:28:09
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.06	58.08	56.02	74.00	-17.98	peak	100	302	
2	4960.000	-2.06	52.29	50.23	54.00	-3.77	AVG	100	302	
3	5794.000	2.16	47.89	50.05	74.00	-23.95	peak	100	167	
4	7440.000	5.93	49.30	55.23	74.00	-18.77	peak	100	73	
5	7440.000	5.93	41.53	47.46	54.00	-6.54	AVG	100	73	



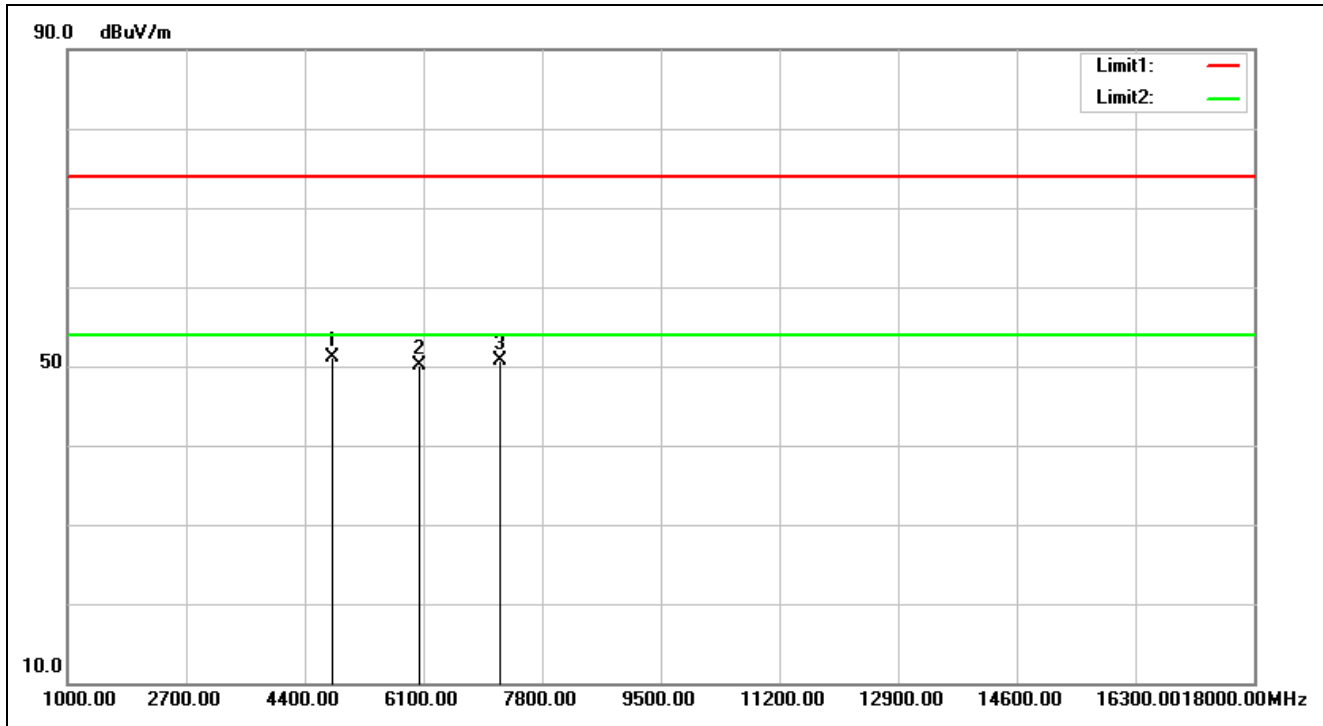
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 12:29:12
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.06	53.61	51.55	74.00	-22.45	peak	100	354	
2	6066.000	3.75	46.54	50.29	74.00	-23.71	peak	100	329	
3	7440.000	5.93	48.92	54.85	74.00	-19.15	peak	100	108	
4	7440.000	5.93	42.18	48.11	54.00	-5.89	AVG	100	108	



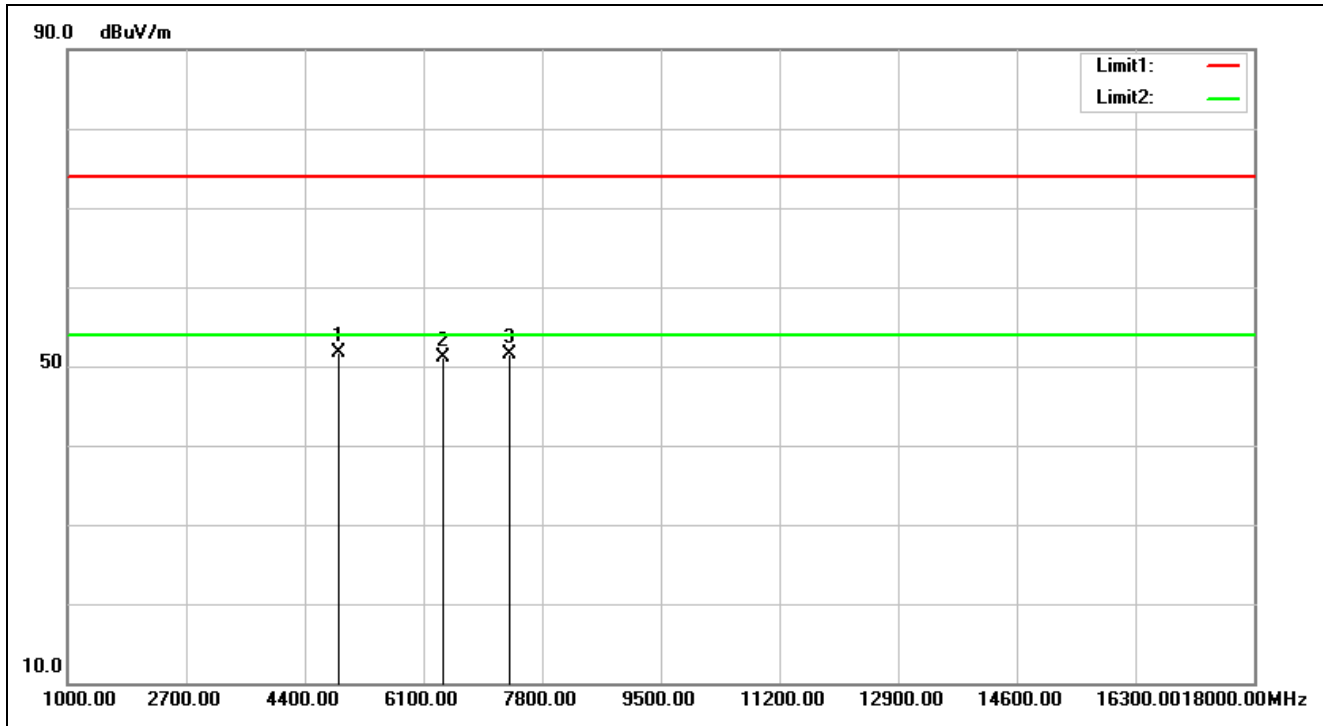
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 12:36:13
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.48	53.69	51.21	74.00	-22.79	peak	100	296	
2	6185.000	4.24	45.89	50.13	74.00	-23.87	peak	100	271	
3	7206.000	5.39	45.67	51.06	74.00	-22.94	peak	100	312	



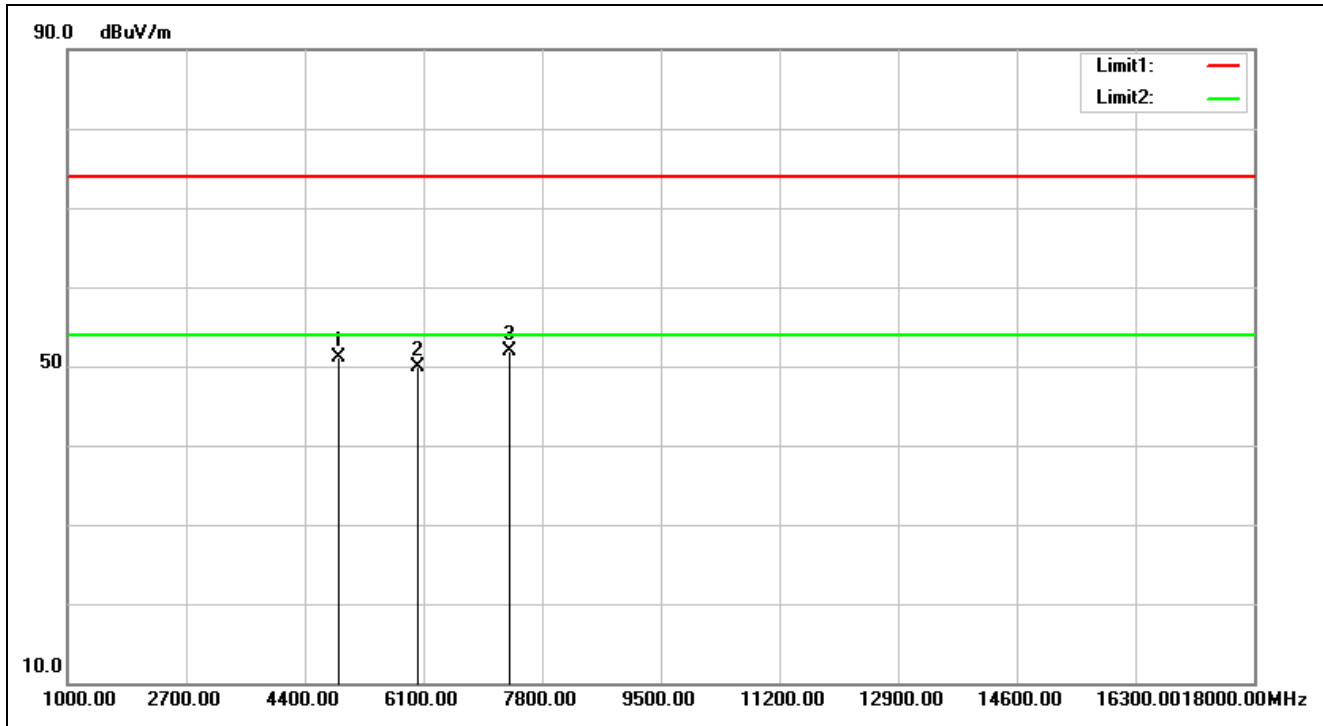
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 12:37:16
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.48	53.68	51.20	74.00	-22.80	peak	100	349	
2	6032.000	3.60	46.59	50.19	74.00	-23.81	peak	100	359	
3	7206.000	5.39	45.36	50.75	74.00	-23.25	peak	100	78	



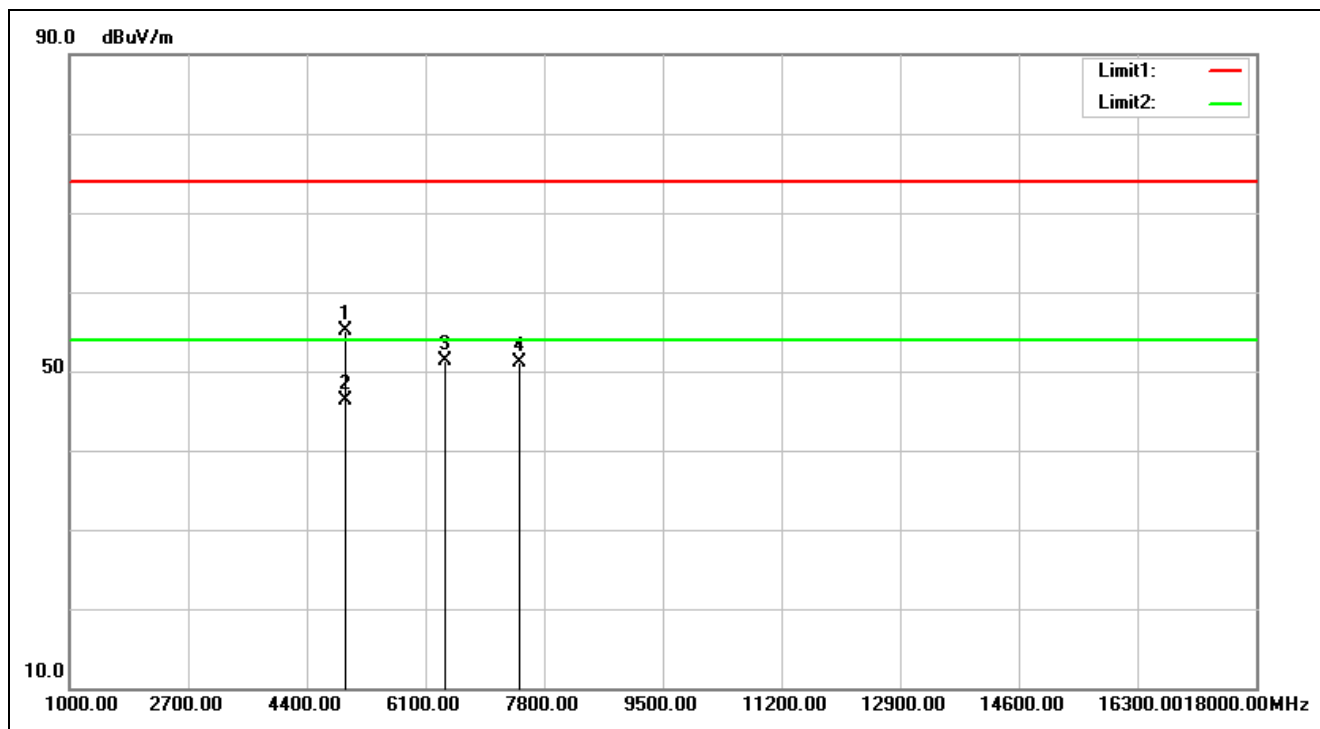
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Test item:	Radiation Emission	Test Time:	2018/7/20 12:40:33
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.27	53.95	51.68	74.00	-22.32	peak	100	293	
2	6389.000	5.10	45.92	51.02	74.00	-22.98	peak	100	16	
3	7323.000	5.65	45.91	51.56	74.00	-22.44	peak	100	73	



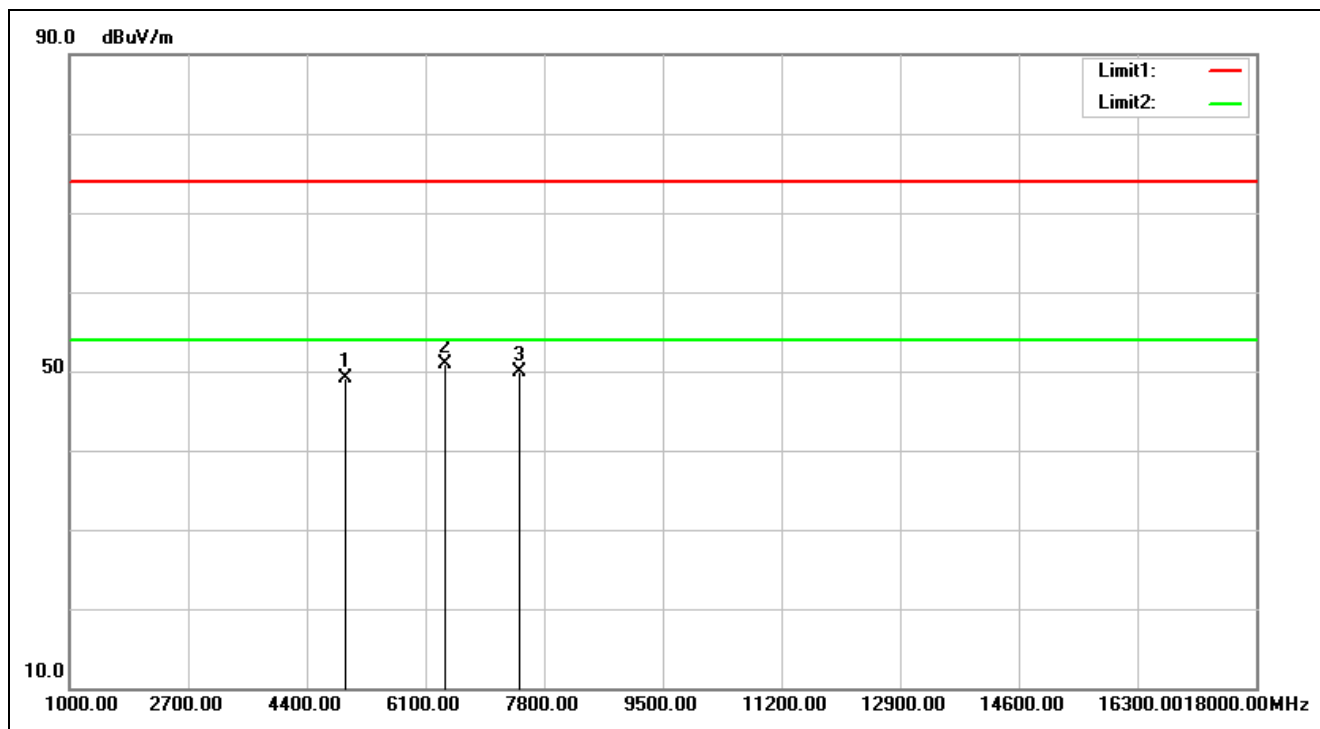
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 12:41:35
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.27	53.39	51.12	74.00	-22.88	peak	100	349	
2	6015.000	3.54	46.46	50.00	74.00	-24.00	peak	100	241	
3	7323.000	5.65	46.16	51.81	74.00	-22.19	peak	100	168	



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 12:45:55
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.06	57.08	55.02	74.00	-18.98	peak	100	299	
2	4960.000	-2.06	48.36	46.30	54.00	-7.70	AVG	100	299	
3	6372.000	5.02	46.32	51.34	74.00	-22.66	peak	100	155	
4	7440.000	5.93	45.15	51.08	74.00	-22.92	peak	100	101	



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 12:46:58
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.06	51.15	49.09	74.00	-24.91	peak	100	158	
2	6389.000	5.10	45.84	50.94	74.00	-23.06	peak	100	172	
3	7440.000	5.93	43.90	49.83	74.00	-24.17	peak	100	241	

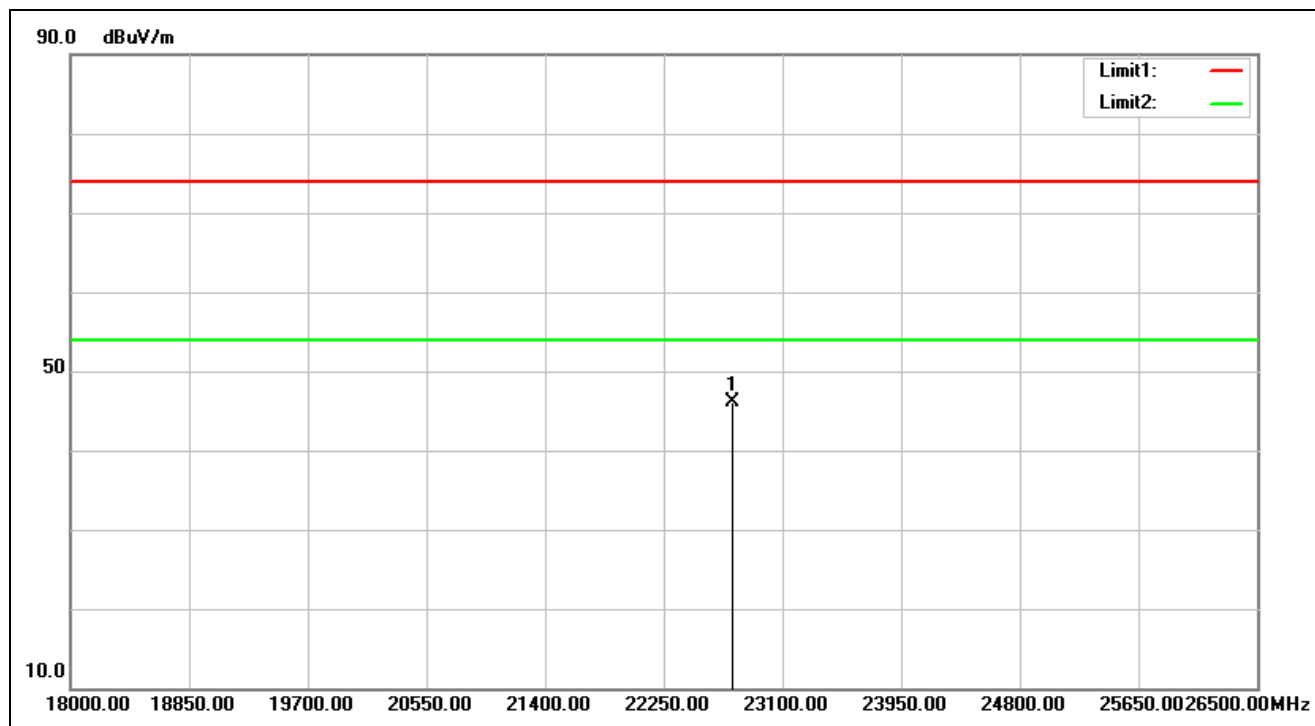
Spurious Emissions, TX Mode, 18-26G



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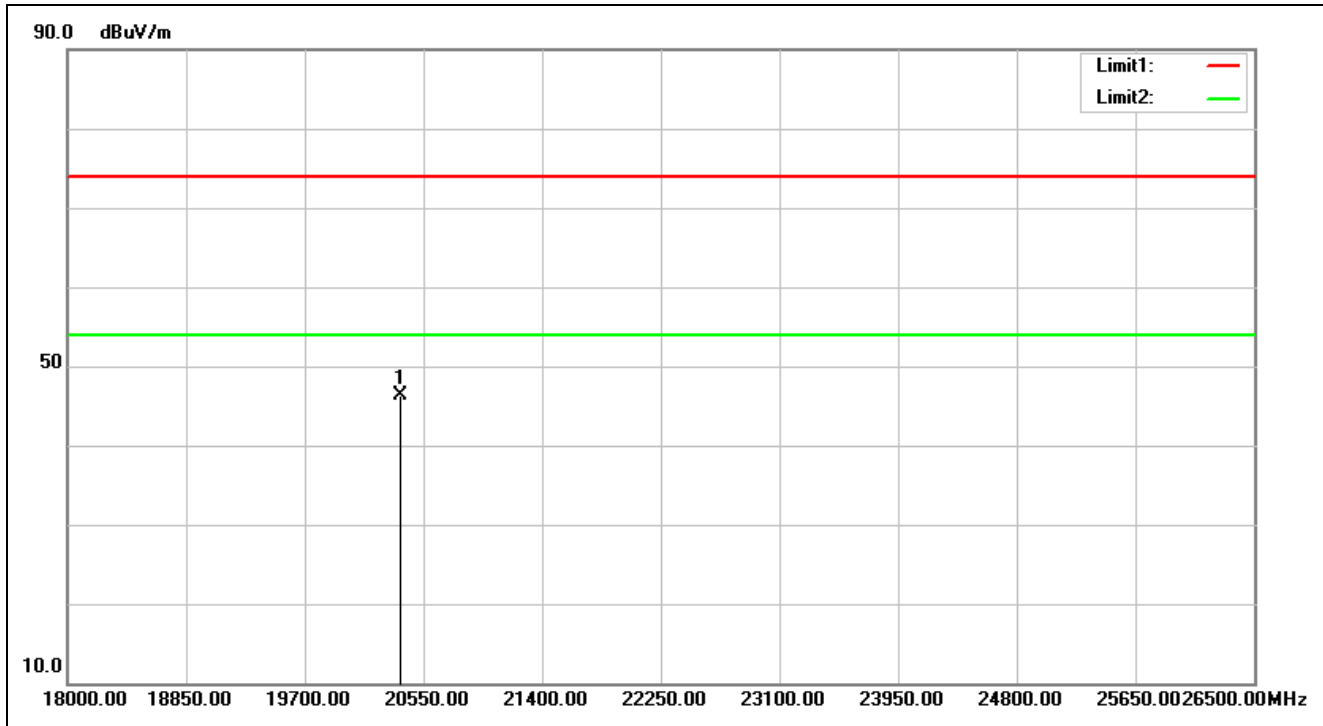
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:23:28
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402-TX		
Remark:			

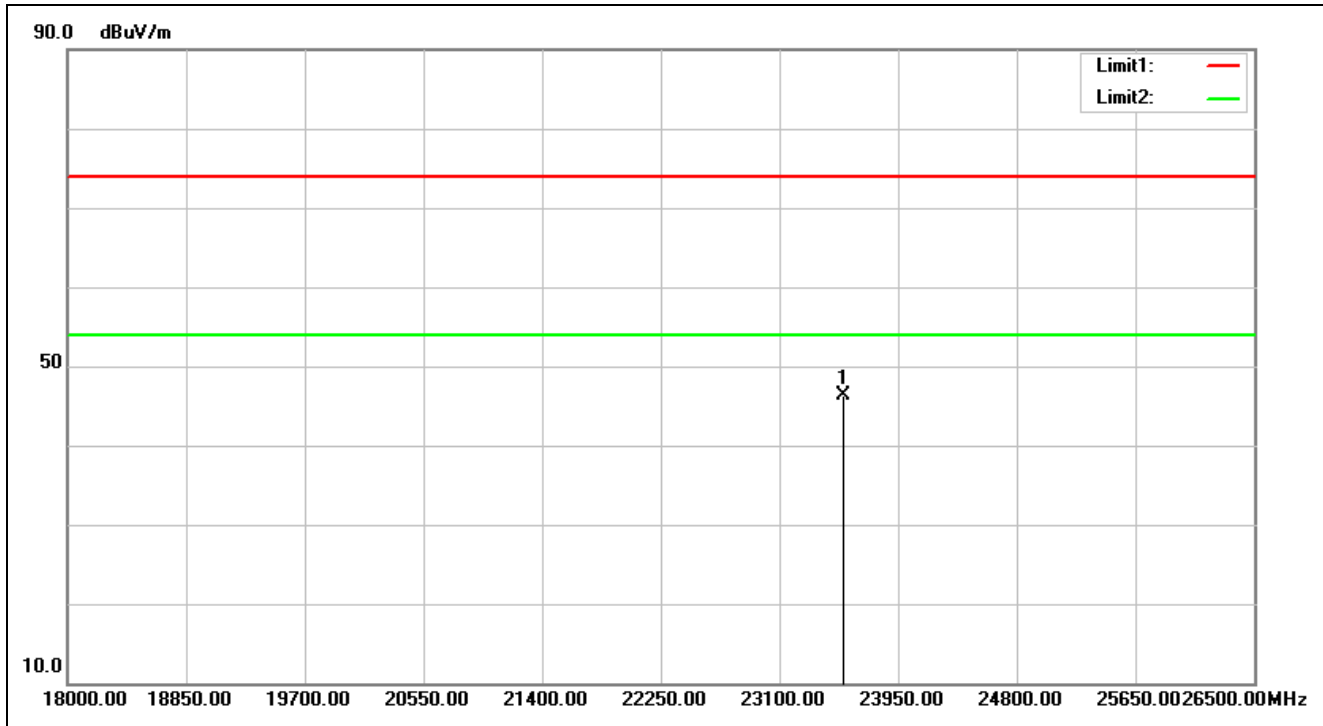
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22743.000	4.97	41.13	46.10	74.00	-27.90	peak	100	170	

Spurious Emissions, TX Mode, 9k-30M



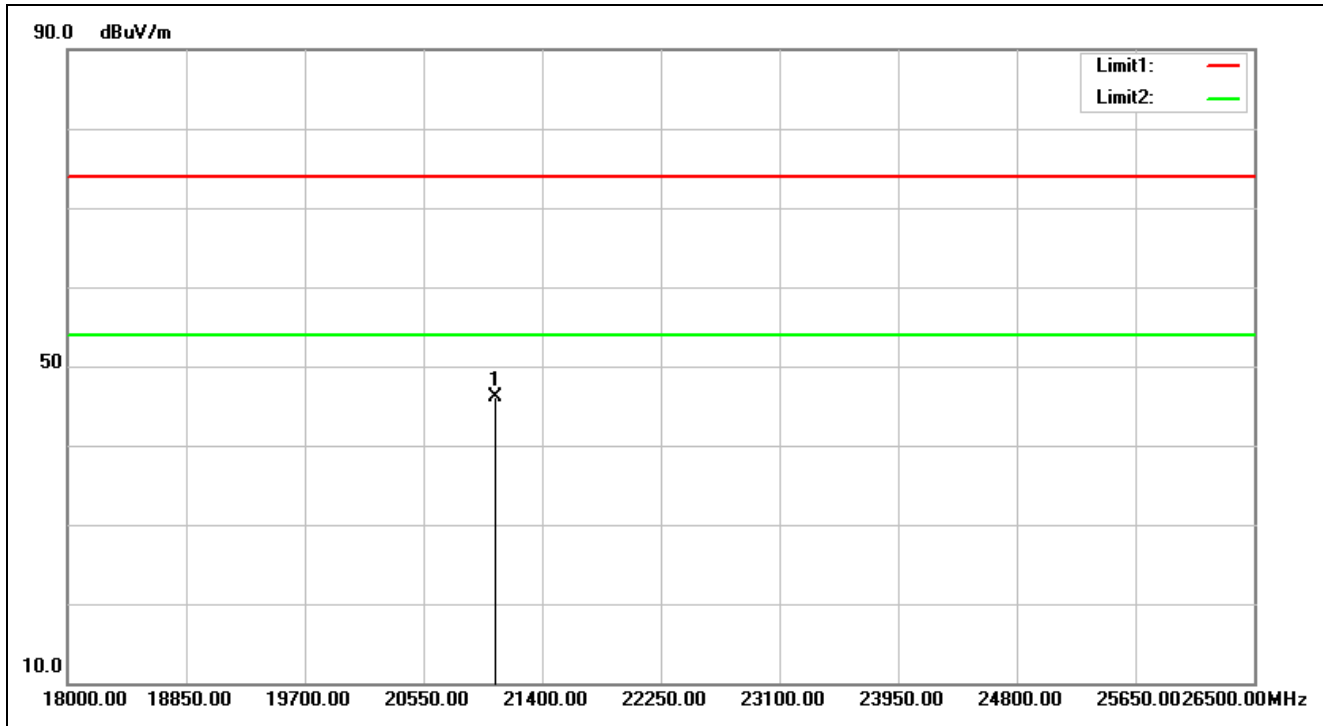
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:23:41
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20388.500	4.21	42.01	46.22	74.00	-27.78	peak	100	195	



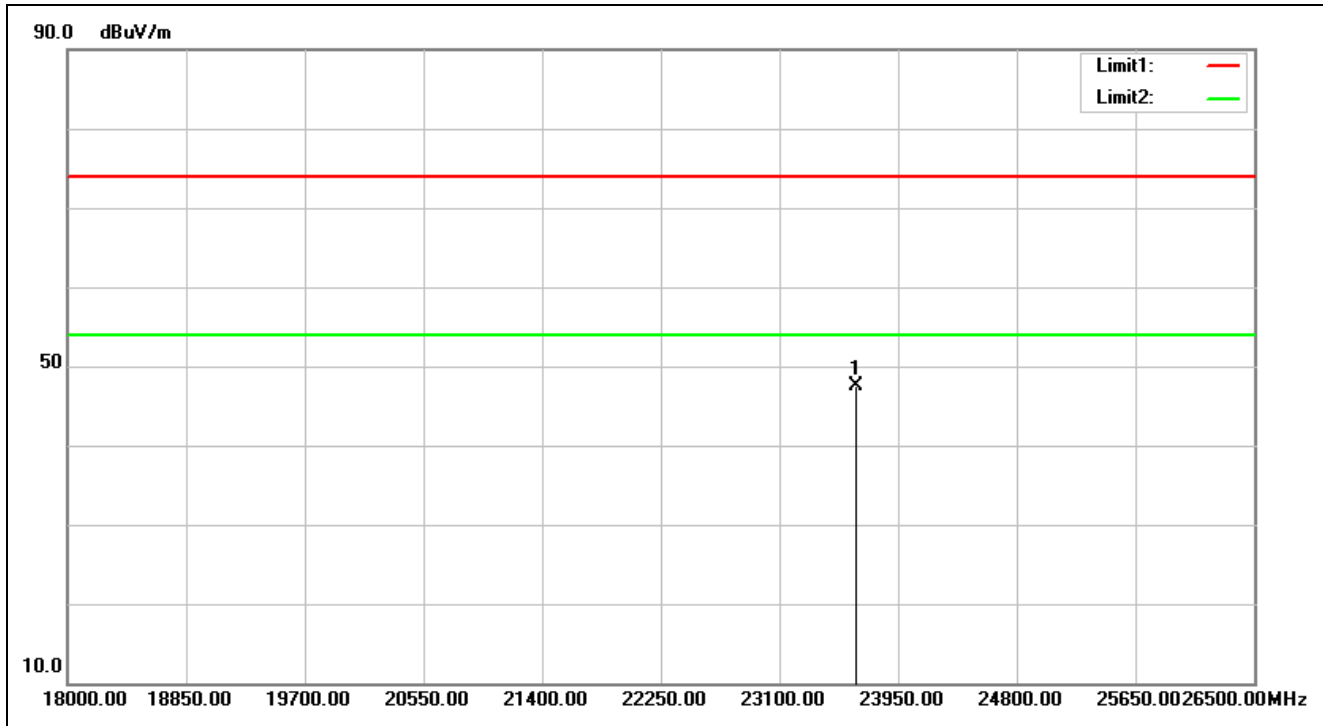
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:24:08
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23559.000	5.82	40.45	46.27	74.00	-27.73	peak	100	173	



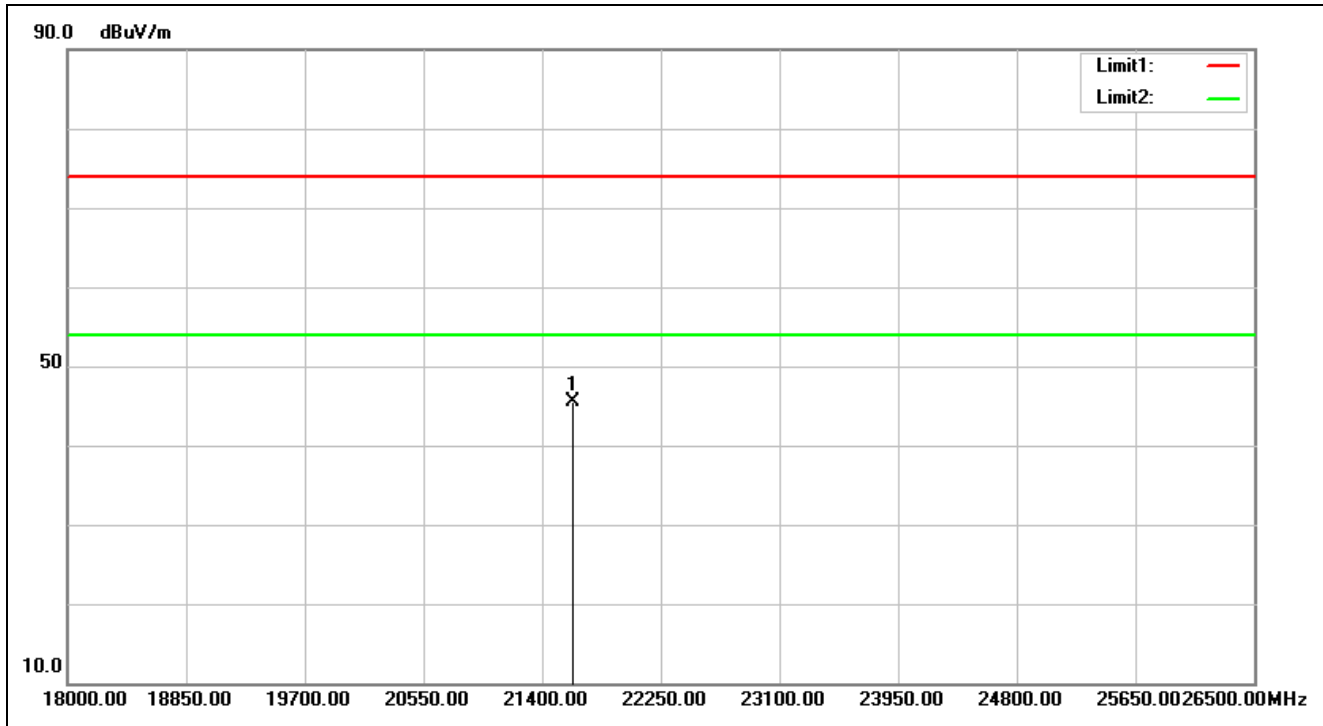
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:24:21
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21060.000	4.74	41.39	46.13	74.00	-27.87	peak	100	360	



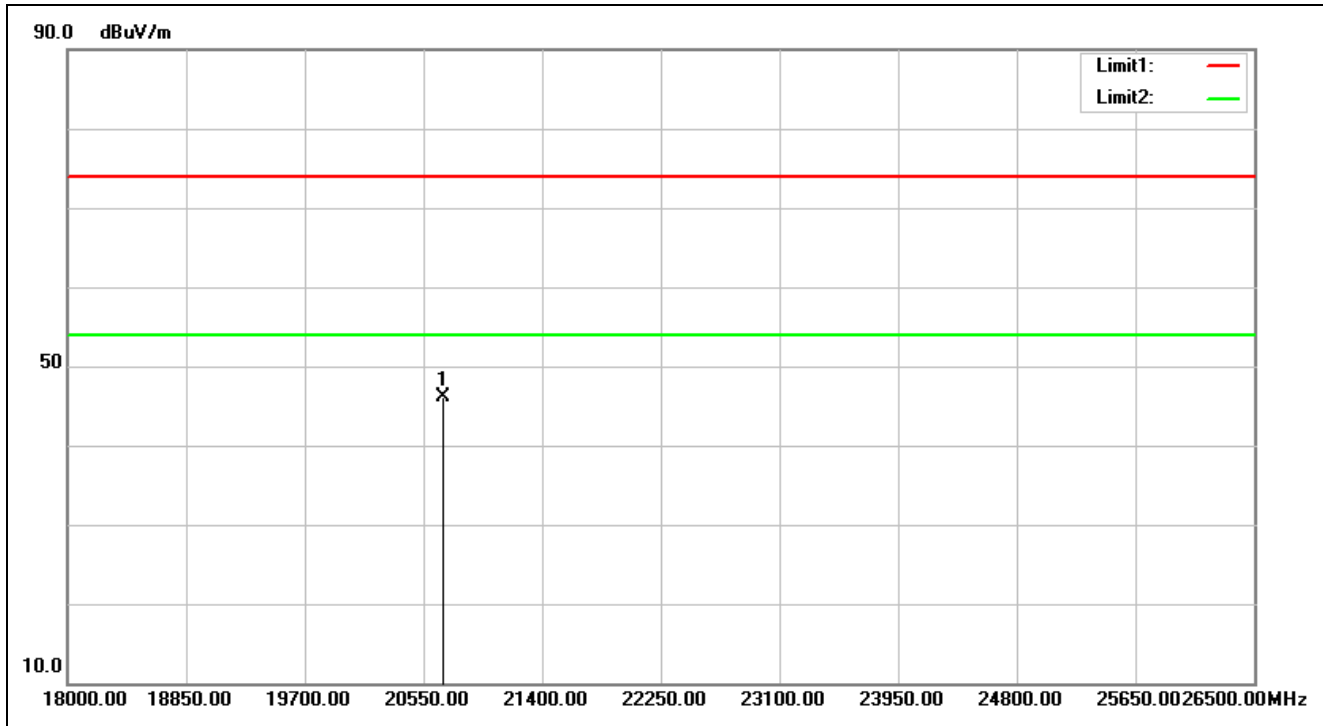
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:24:55
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23652.500	5.74	41.67	47.41	74.00	-26.59	peak	100	253	



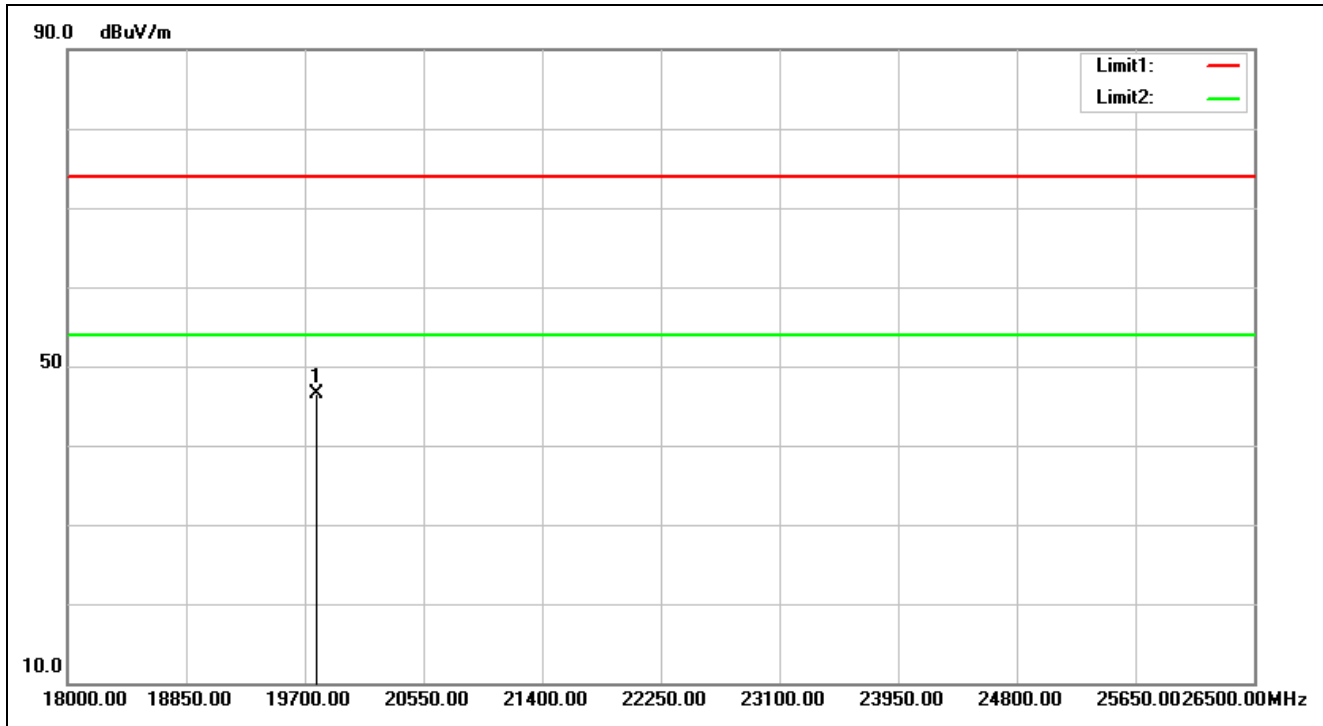
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:25:16
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21621.000	4.26	41.17	45.43	74.00	-28.57	peak	100	150	



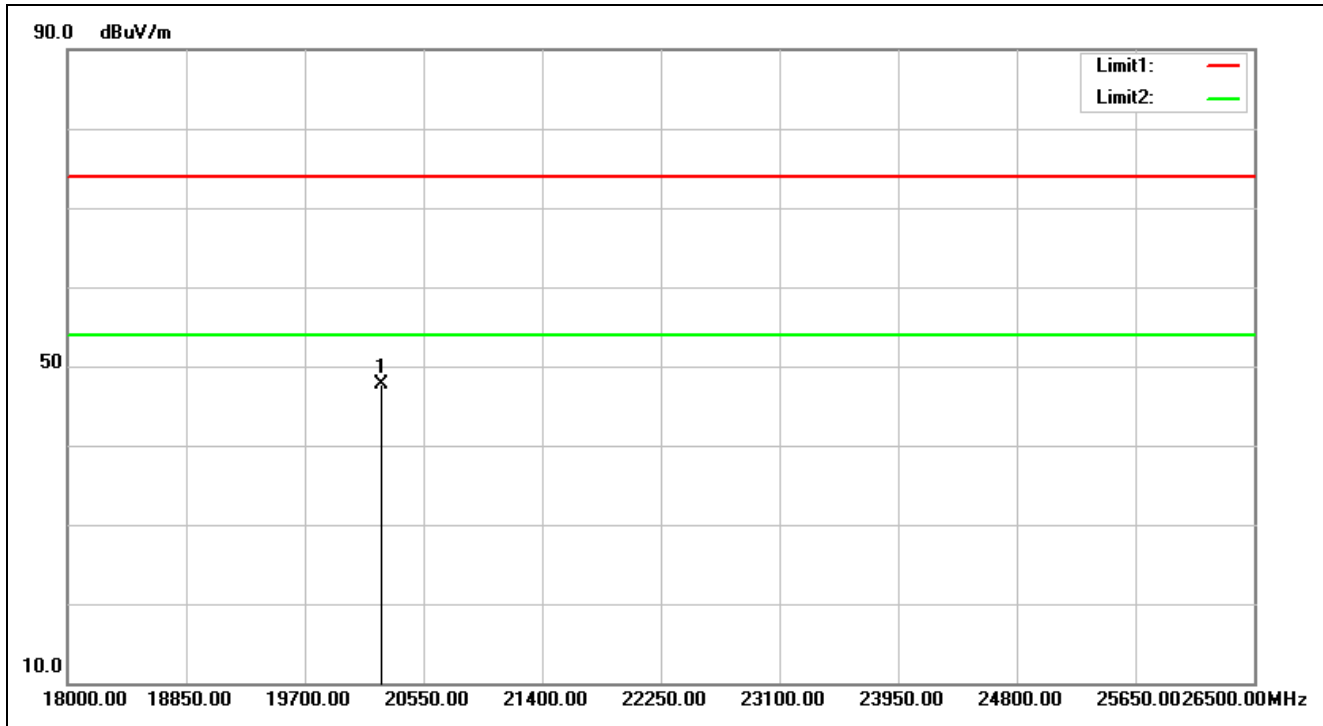
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:26:09
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20686.000	4.41	41.68	46.09	74.00	-27.91	peak	100	197	



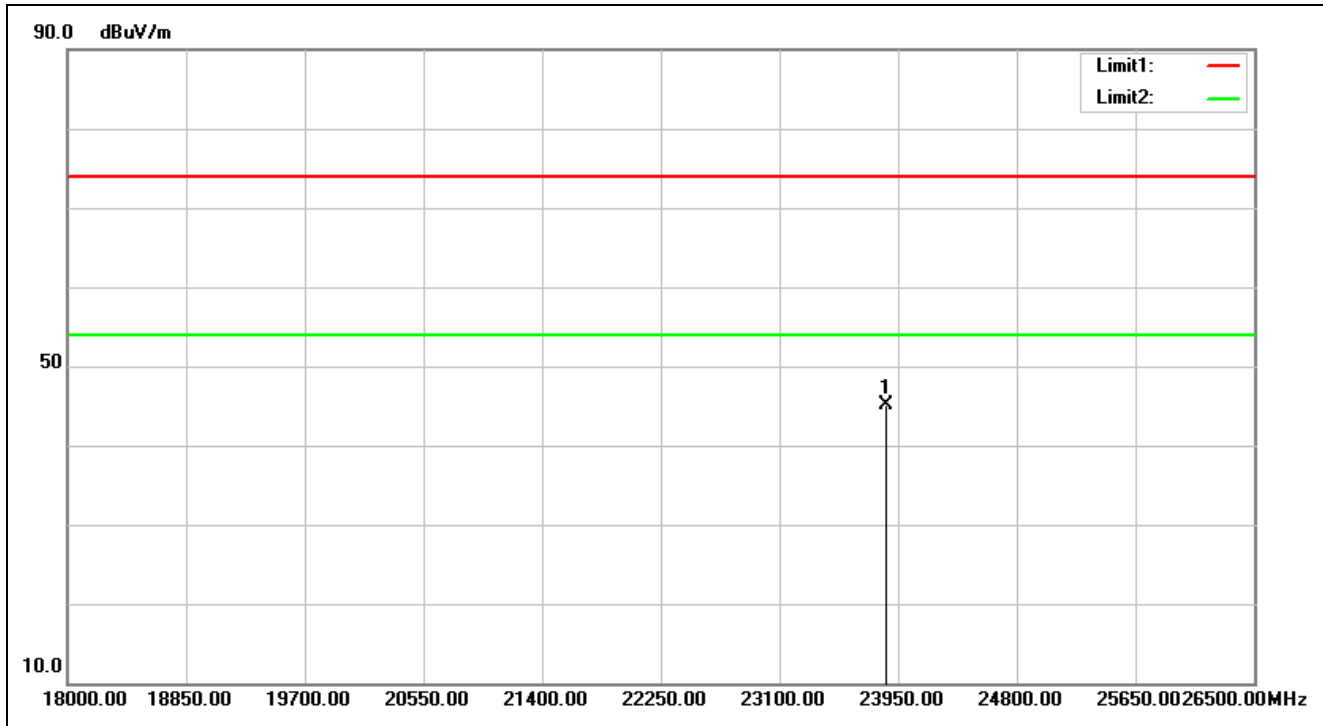
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:26:09
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19785.000	4.07	42.53	46.60	74.00	-27.40	peak	100	174	



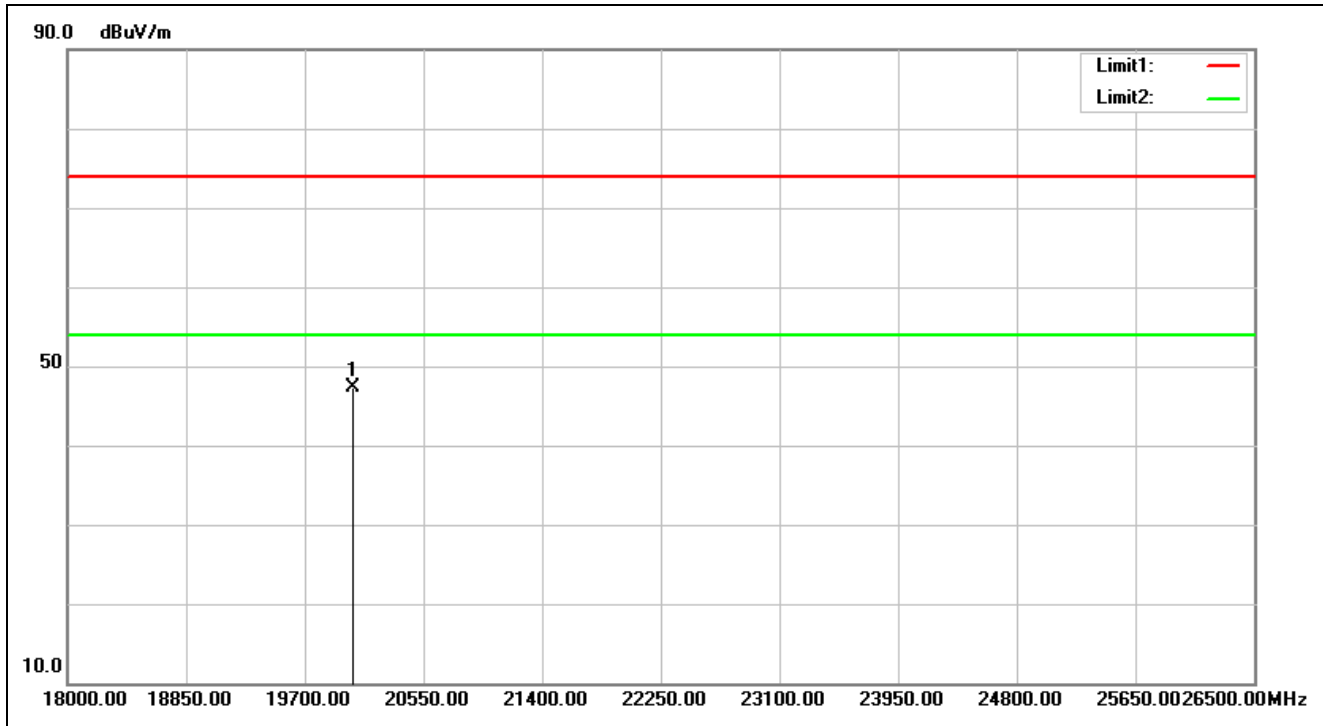
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:26:48
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20244.000	4.23	43.45	47.68	74.00	-26.32	peak	1001	174	



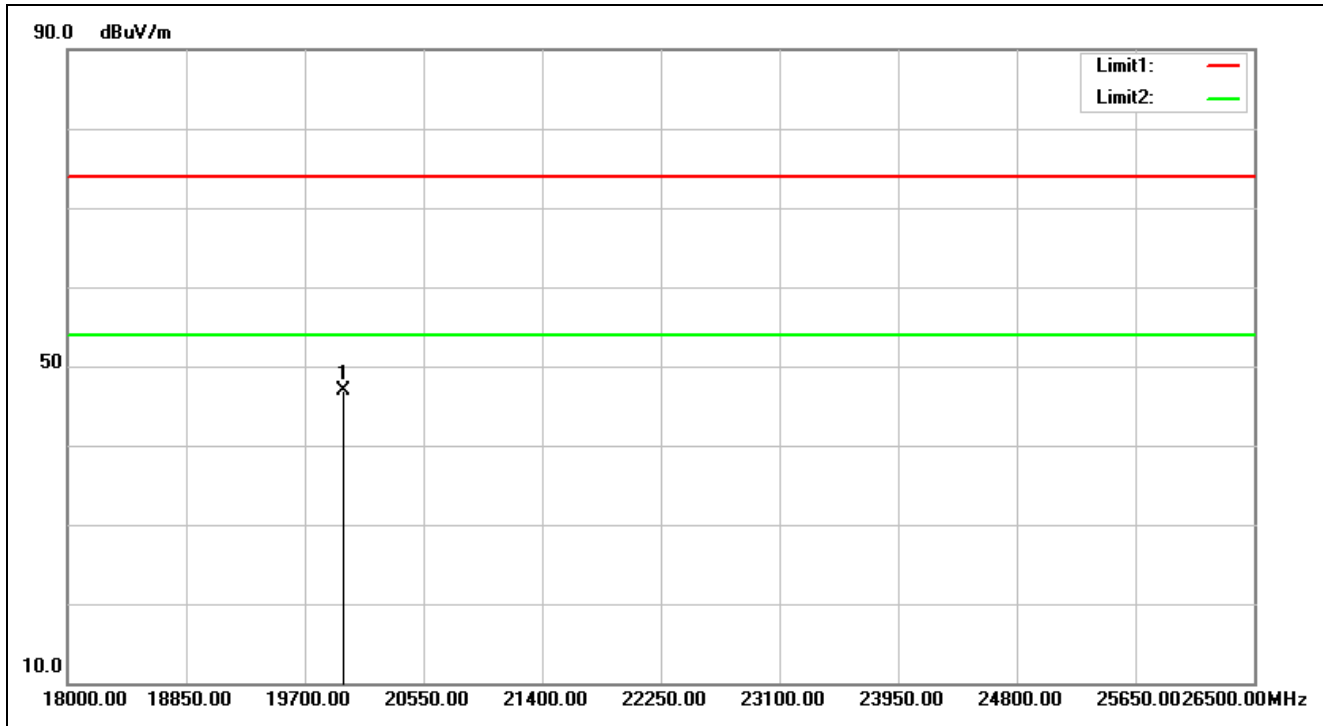
Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:26:59
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23865.000	5.55	39.49	45.04	74.00	-28.96	peak	100	130	



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:27:21
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20048.500	4.26	43.02	47.28	74.00	-26.72	peak	100	196	



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:27:32
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19980.500	4.25	42.58	46.83	74.00	-27.17	peak	100	178	

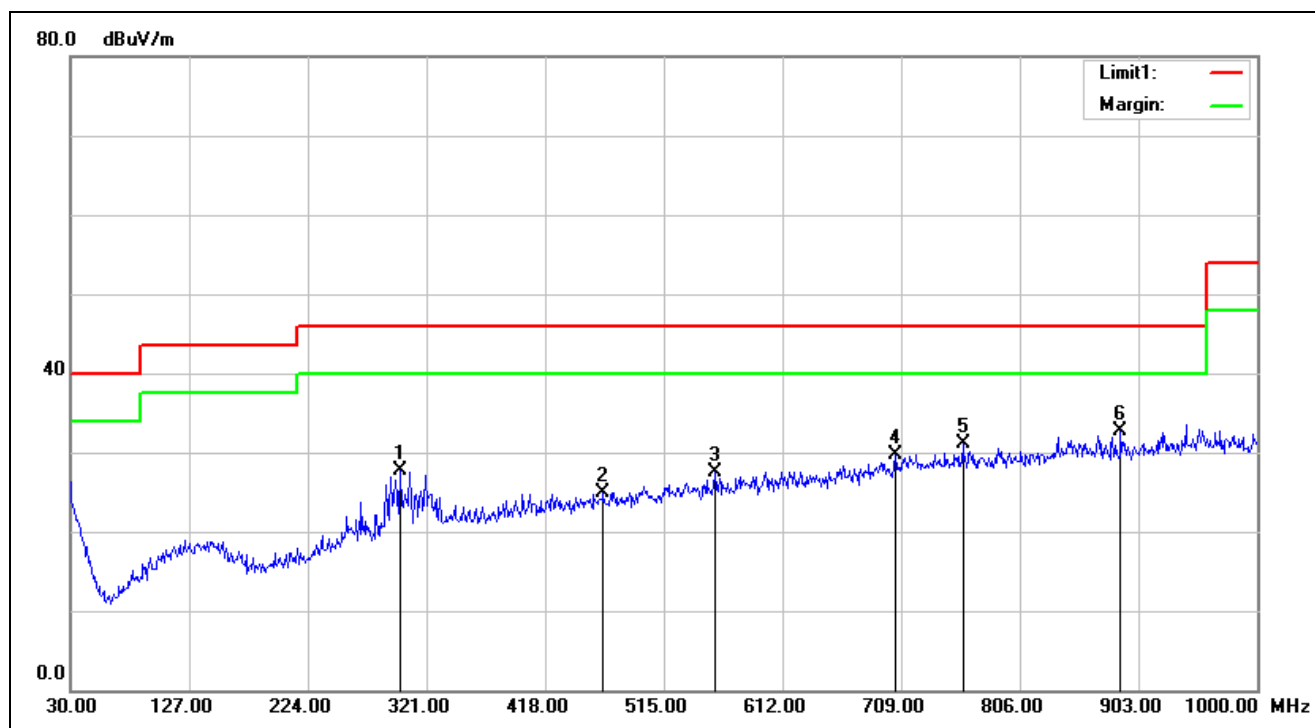
Spurious Emissions, TX Mode, 30M-1G



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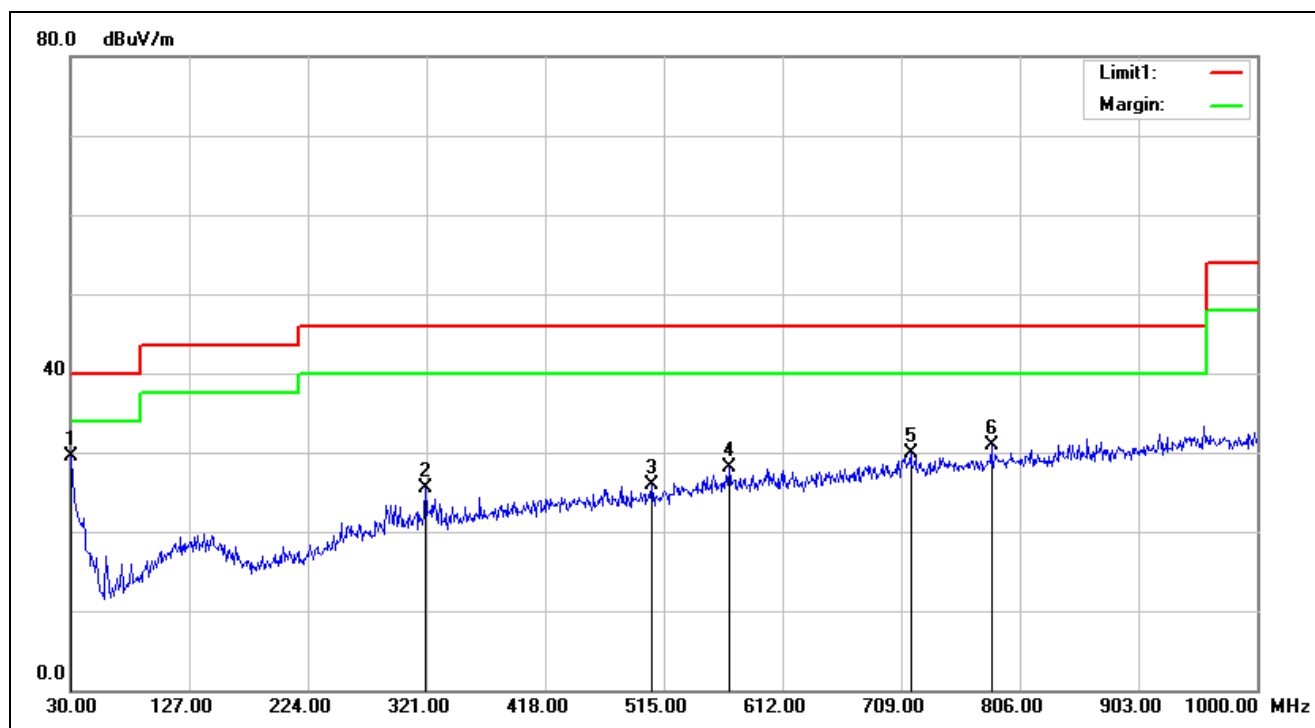
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 16:13:15
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	299.6600	-5.29	33.02	27.73	46.00	-18.27	QP	100	208	
2	465.5299	-2.59	27.54	24.95	46.00	-21.05	QP	100	25	
3	556.7100	-1.37	28.94	27.57	46.00	-18.43	QP	100	184	
4	704.1499	0.26	29.38	29.64	46.00	-16.36	QP	100	128	
5	759.4400	1.34	29.82	31.16	46.00	-14.84	QP	100	147	
6	888.4500	2.82	29.80	32.62	46.00	-13.38	QP	100	142	

Spurious Emissions, TX Mode, 9k-30M



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 16:15:53
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.47	29.99	29.52	40.00	-10.48	QP	100	120	
2	320.0300	-4.82	30.39	25.57	46.00	-20.43	QP	100	147	
3	505.3000	-2.05	27.94	25.89	46.00	-20.11	QP	100	0	
4	568.3500	-1.25	29.33	28.08	46.00	-17.92	QP	100	144	
5	716.7600	0.55	29.42	29.97	46.00	-16.03	QP	100	144	
6	782.7199	1.52	29.45	30.97	46.00	-15.03	QP	100	341	

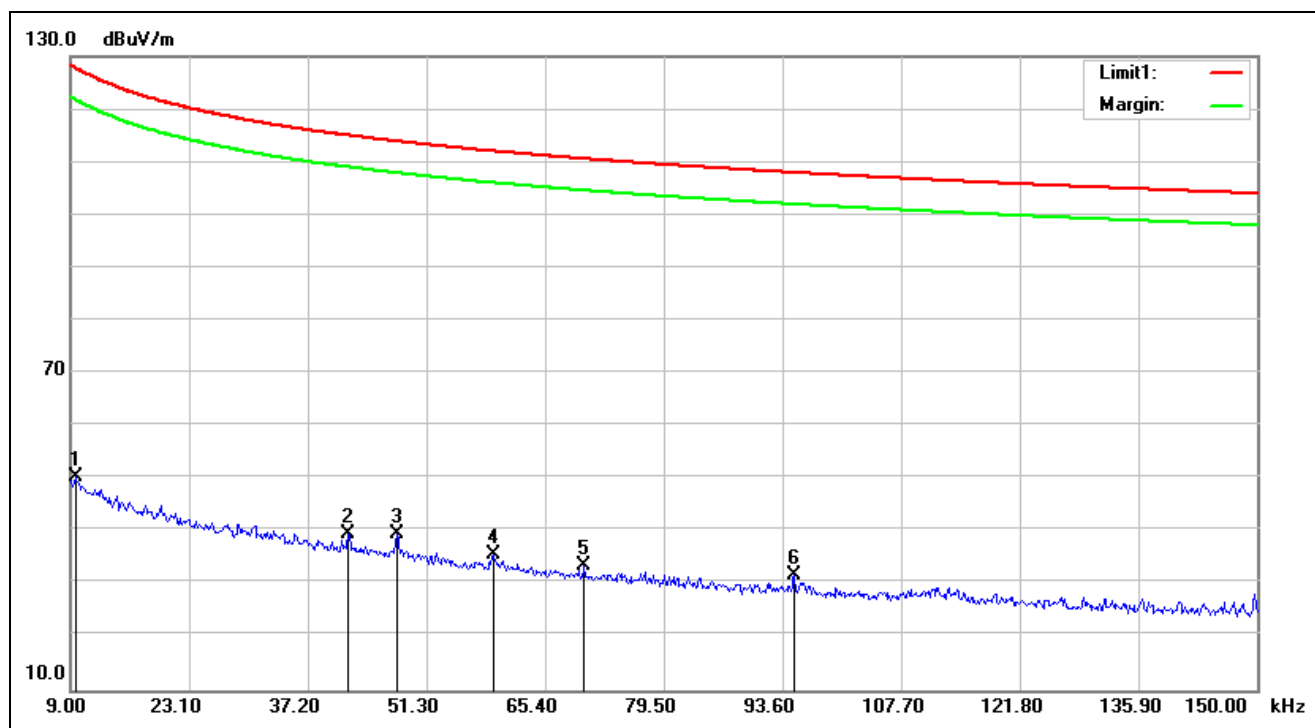
Spurious Emissions, TX Mode, 9k-30M



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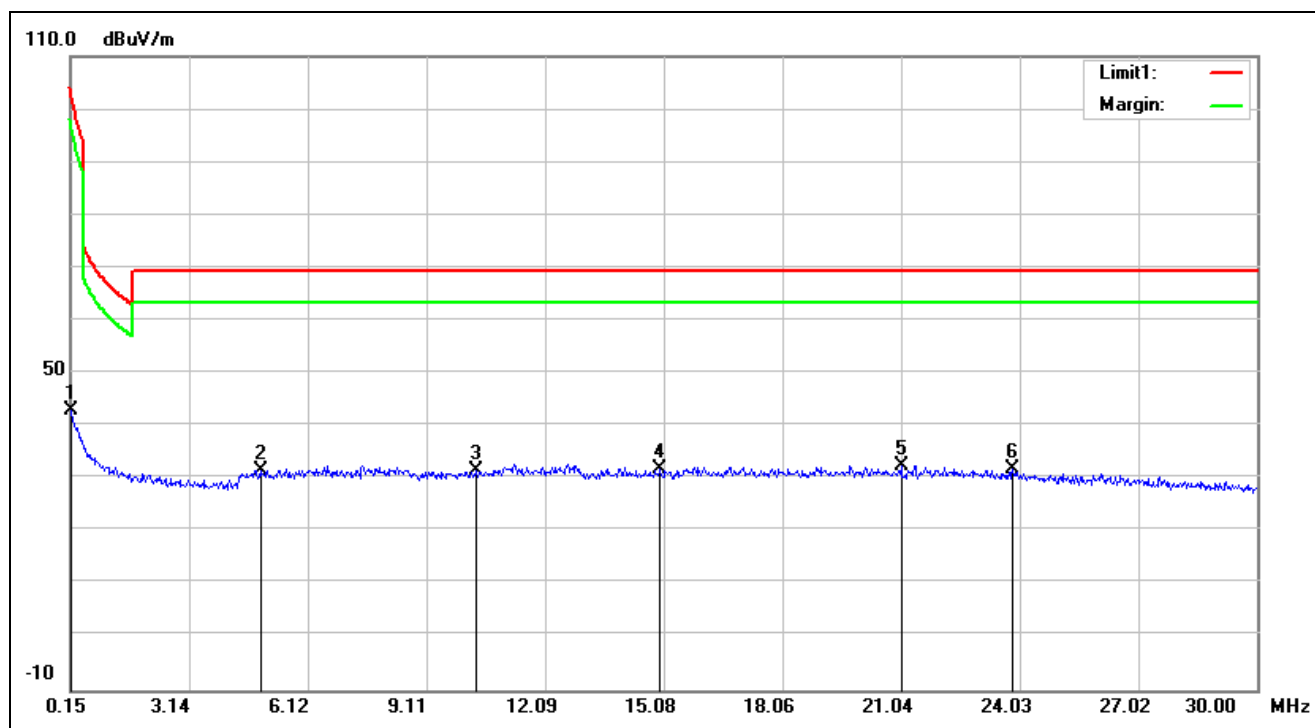
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Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 16:49:41
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0095	18.44	31.92	50.36	127.84	-77.48	QP	100	272	
2	0.0419	19.09	20.38	39.47	115.03	-75.56	QP	100	16	
3	0.0477	18.98	20.69	39.67	113.91	-74.24	QP	100	141	
4	0.0591	18.82	16.83	35.65	112.06	-76.41	QP	100	339	
5	0.0700	18.69	14.82	33.51	110.60	-77.09	QP	100	123	
6	0.0950	18.39	13.23	31.62	107.96	-76.34	QP	100	96	

Spurious Emissions, TX Mode, 9k-30M



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 16:53:55
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1798	18.37	24.54	42.91	102.45	-59.54	QP	100	27	
2	4.9260	19.43	12.24	31.67	69.50	-37.83	QP	100	280	
3	10.3587	20.47	11.03	31.50	69.50	-38.00	QP	100	336	
4	14.9854	21.01	10.94	31.95	69.50	-37.55	QP	100	198	
5	21.0450	21.63	10.85	32.48	69.50	-37.02	QP	100	256	
6	23.8508	21.74	10.21	31.95	69.50	-37.55	QP	100	214	

Spurious Emissions, TX Mode, 9k-30M

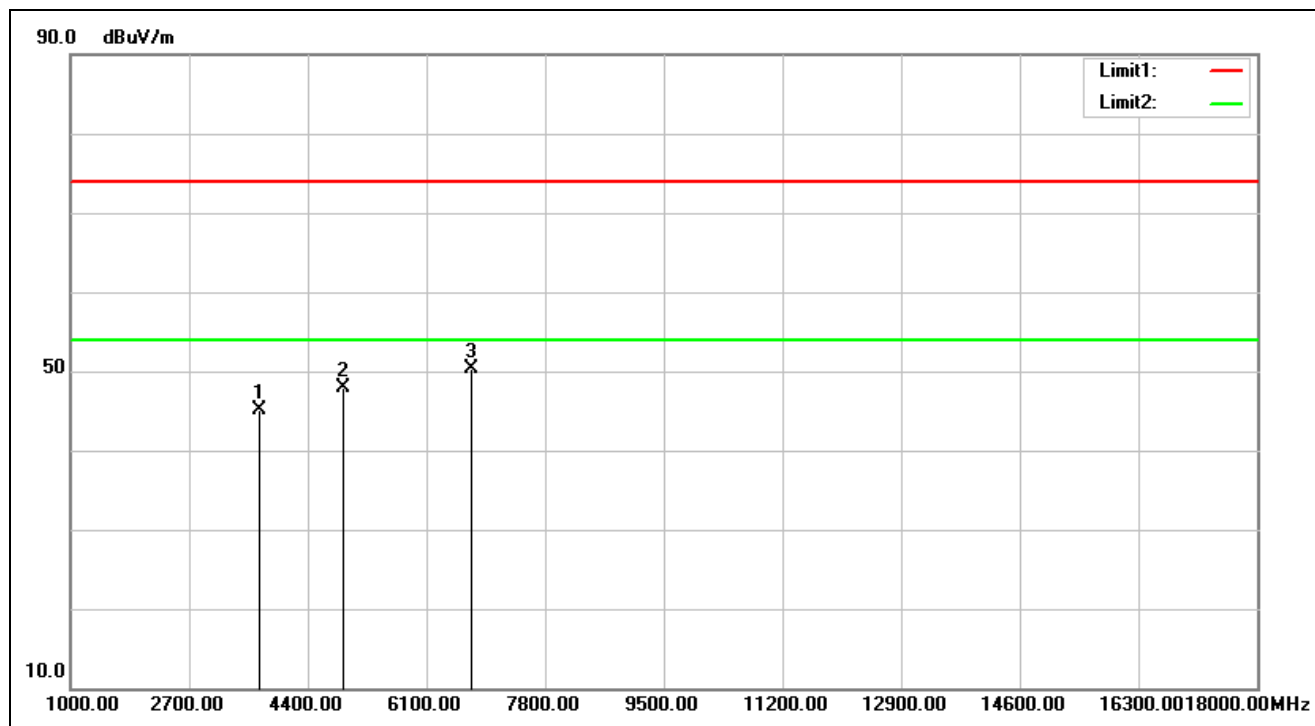
Spurious Emissions, RX Mode, 1-18G



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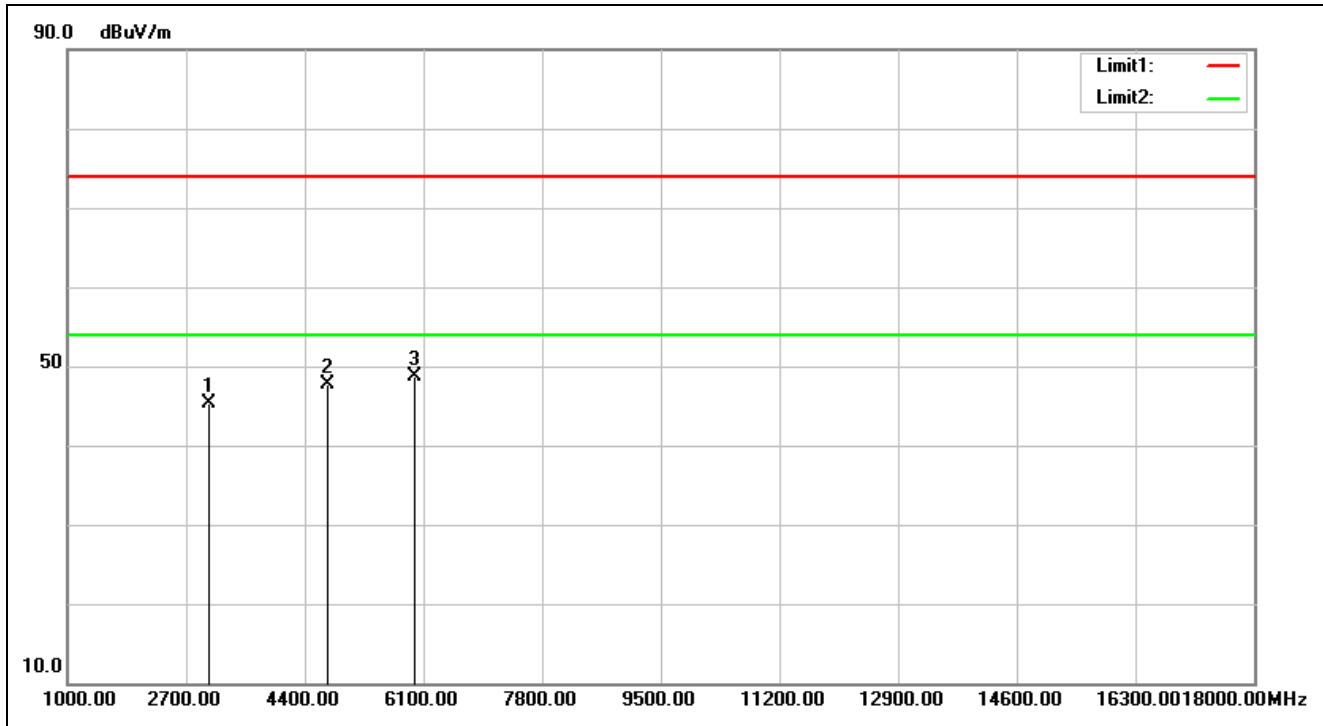
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Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 12:51:33
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3703.000	-6.15	51.17	45.02	74.00	-28.98	peak	100	207	
2	4910.000	-3.14	51.14	48.00	74.00	-26.00	peak	100	279	
3	6746.000	4.20	46.03	50.23	74.00	-23.77	peak	100	74	

Spurious Emissions, RX Mode, 18-26G



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 12:52:35
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3023.000	-6.98	52.20	45.22	74.00	-28.78	peak	100	116	
2	4723.000	-3.41	51.06	47.65	74.00	-26.35	peak	100	238	
3	5981.000	2.31	46.44	48.75	74.00	-25.25	peak	100	321	

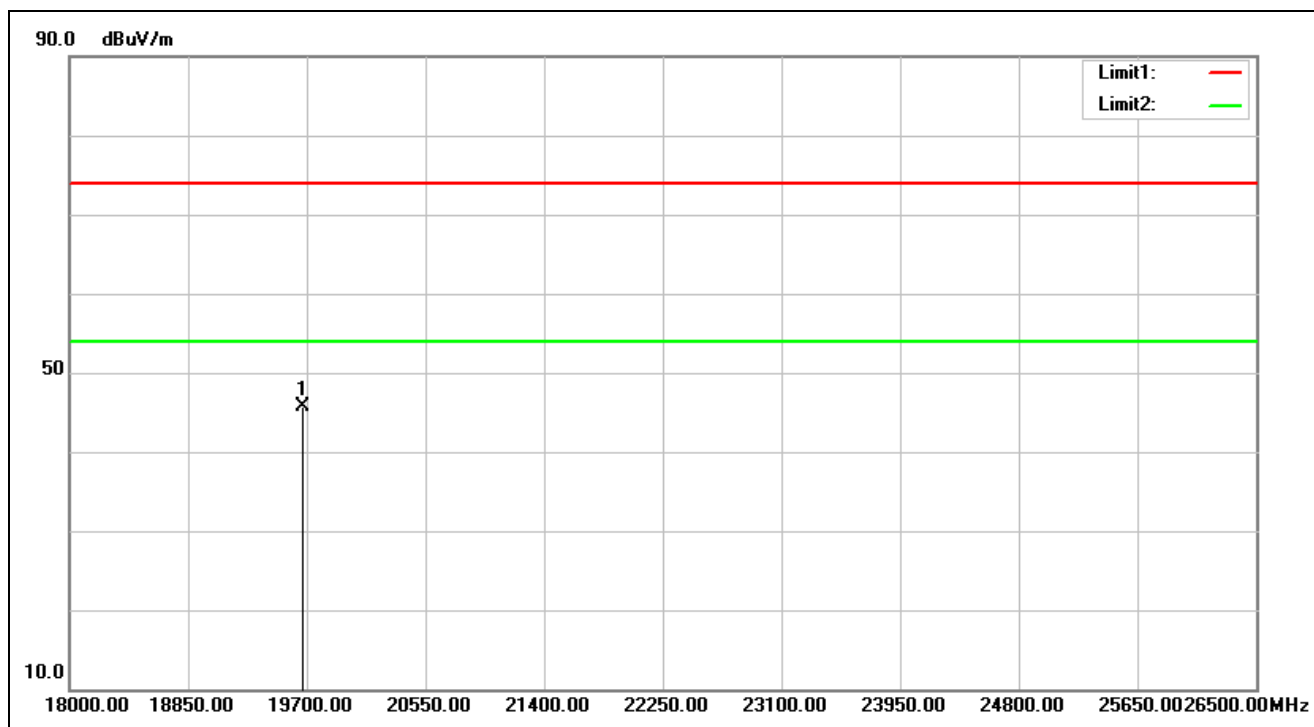
Spurious Emissions, RX Mode, 18-26G



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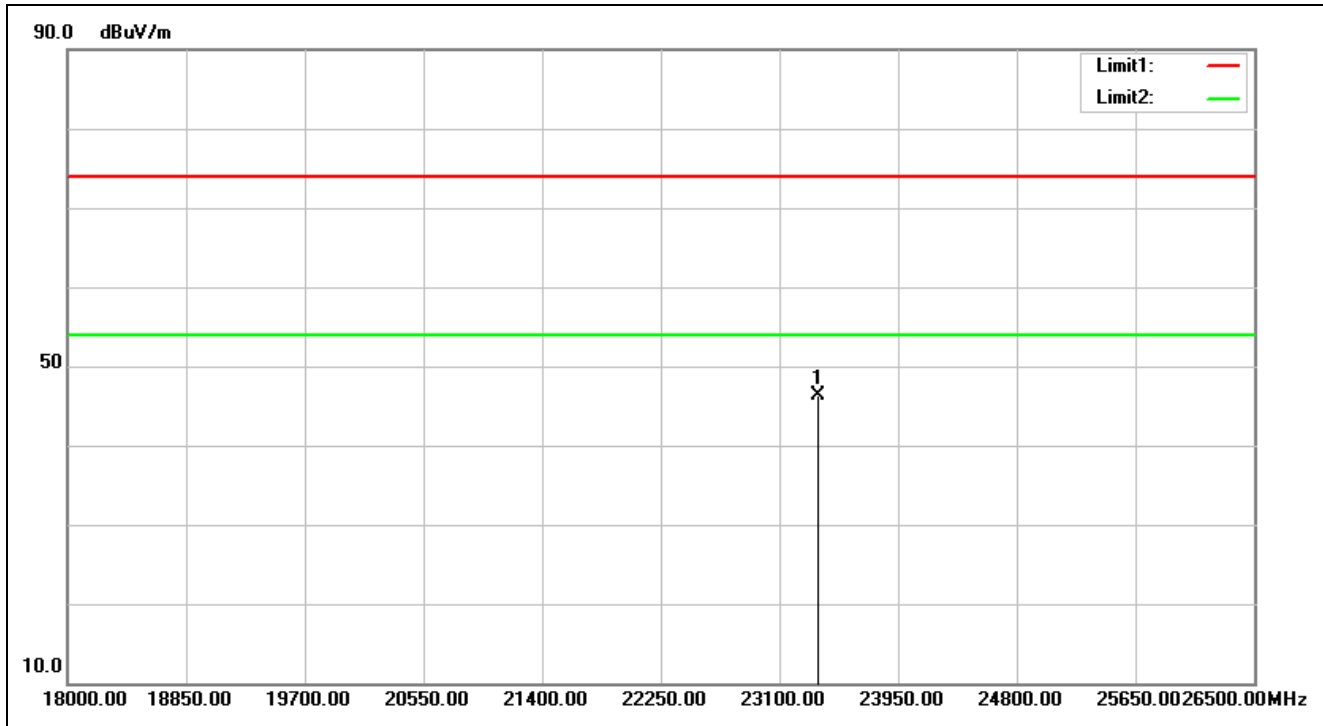
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Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 17:28:05
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19674.500	3.97	41.83	45.80	74.00	-28.20	peak	100	167	



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 17:28:20
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23372.000	5.72	40.51	46.23	74.00	-27.77	peak	100	174	

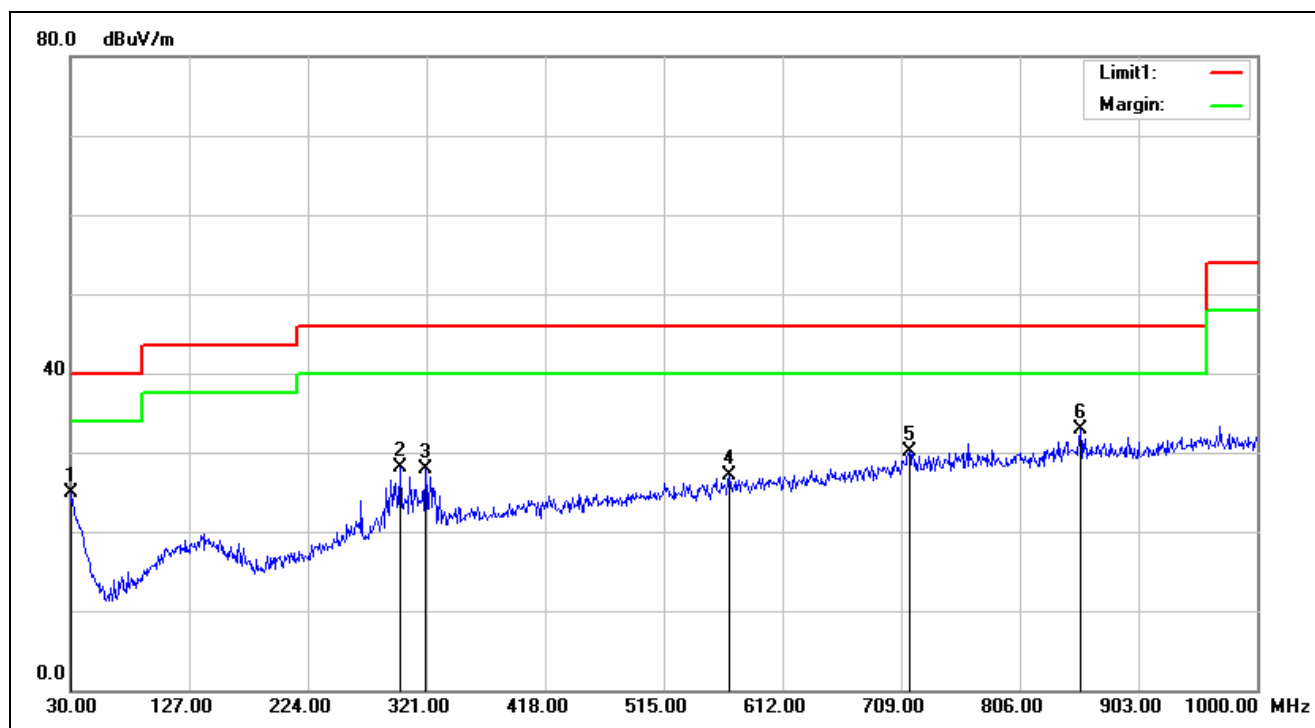
Spurious Emissions, RX Mode, 30M-1G



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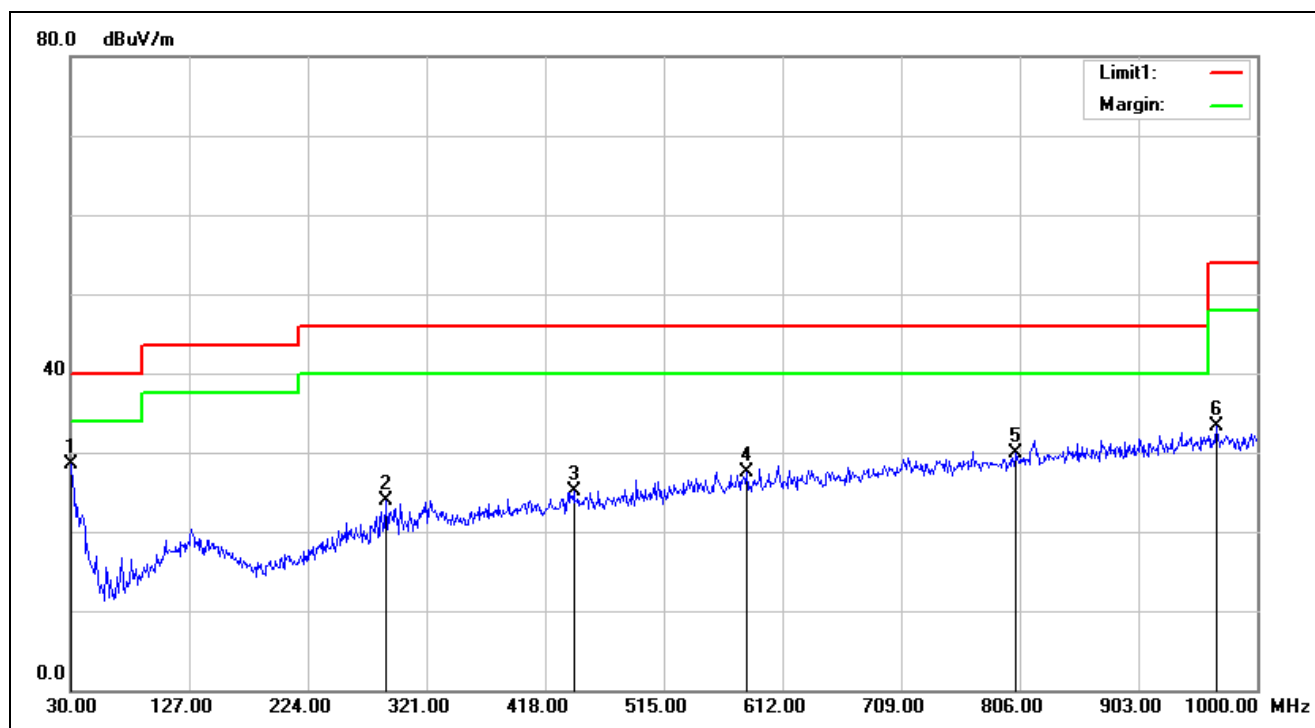
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Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/20 16:17:38
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.47	25.33	24.86	40.00	-15.14	QP	100	288	
2	299.6600	-5.29	33.34	28.05	46.00	-17.95	QP	100	208	
3	320.0299	-4.82	32.63	27.81	46.00	-18.19	QP	100	219	
4	568.3500	-1.25	28.43	27.18	46.00	-18.82	QP	100	30	
5	715.7899	0.52	29.52	30.04	46.00	-15.96	QP	100	325	
6	855.4700	2.60	30.28	32.88	46.00	-13.12	QP	100	153	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 16:18:42
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%)	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.47	29.06	28.59	40.00	-11.41	QP	100	179	
2	288.0200	-5.57	29.57	24.00	46.00	-22.00	QP	100	101	
3	441.2800	-2.88	27.97	25.09	46.00	-20.91	QP	100	49	
4	582.9000	-1.11	28.57	27.46	46.00	-18.54	QP	100	120	
5	803.0900	1.71	28.20	29.91	46.00	-16.09	QP	100	296	
6	967.0200	4.33	29.07	33.40	54.00	-20.60	QP	100	322	

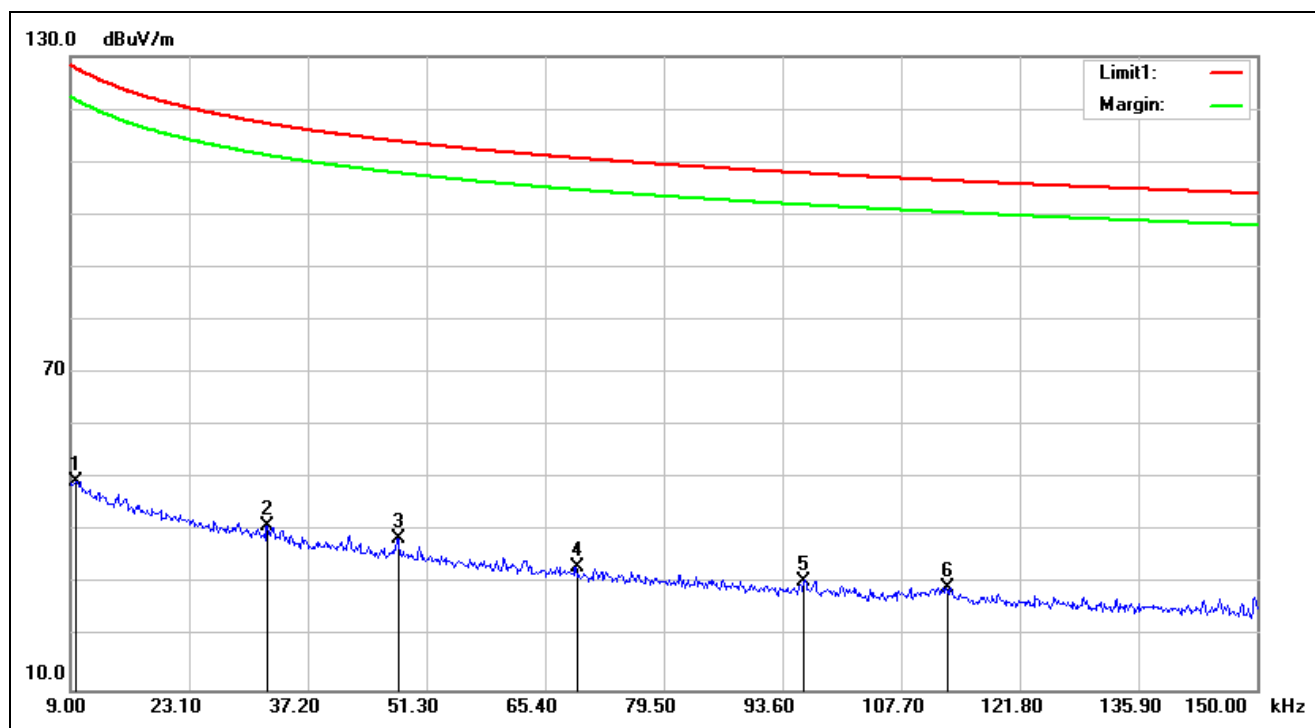
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

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

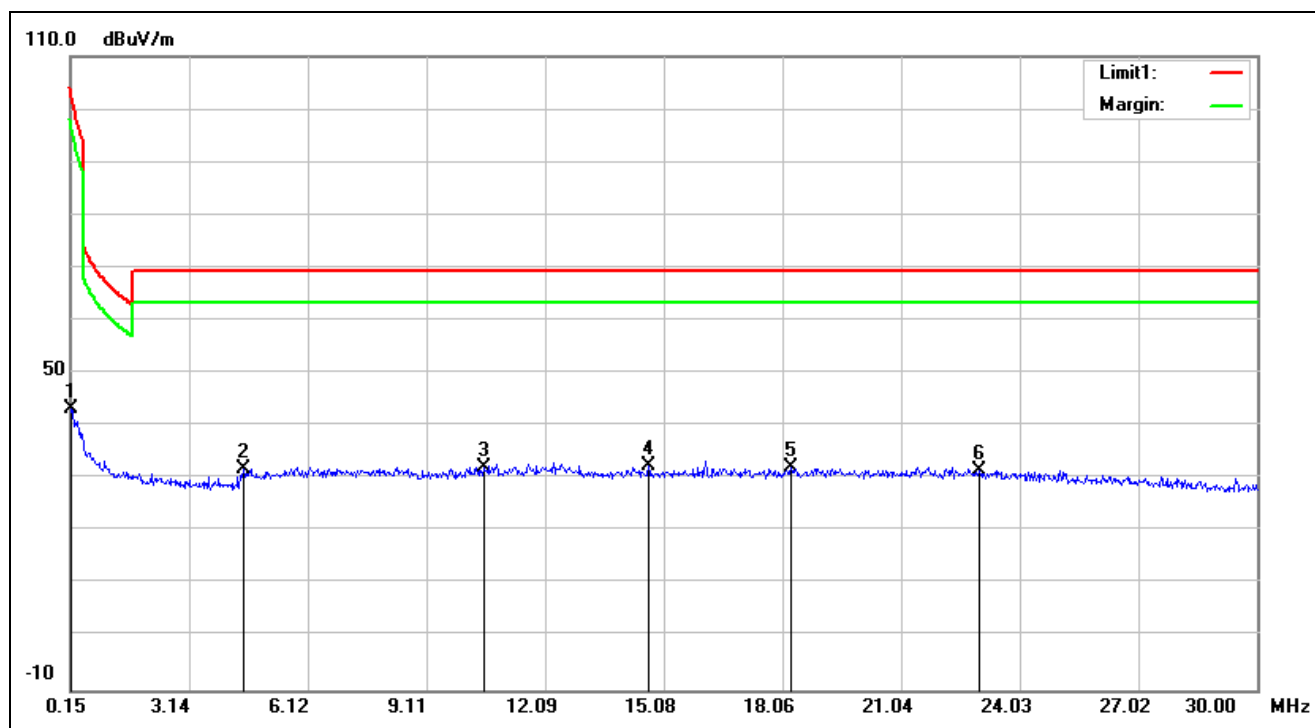
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 16:50:45
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%) :	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	18.47	30.97	49.44	127.66	-78.22	QP	100	272	
2	0.0324	19.28	21.90	41.18	117.25	-76.07	QP	100	210	
3	0.0479	18.97	19.73	38.70	113.87	-75.17	QP	100	67	
4	0.0691	18.70	14.57	33.27	110.71	-77.44	QP	100	317	
5	0.0961	18.38	12.13	30.51	107.86	-77.35	QP	100	77	
6	0.1131	18.34	11.09	29.43	106.46	-77.03	QP	100	219	

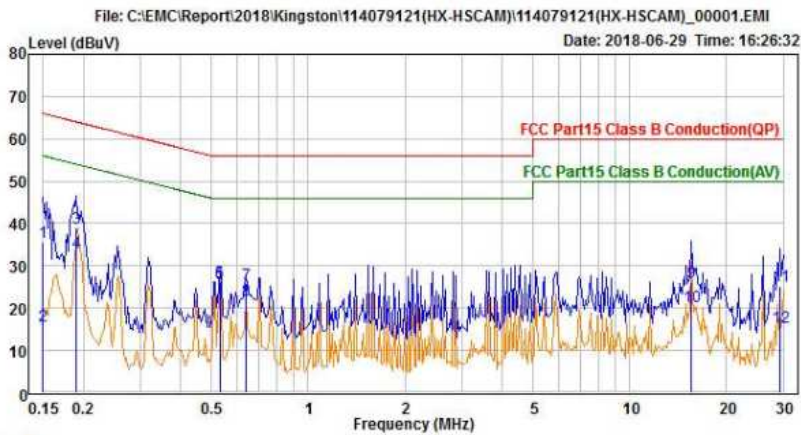
Spurious Emissions, RX Mode, 30M-1G



Service No.:	114079121_FCC(BT)	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/20 16:54:59
Applicant:	Kingston	Test Rating:	DC 5V
Product:	HyperX Cloud MIX Bluetooth Headset	Temp.(°C)/Hum.(%):	21.9(°C)/53%
Model No.:	Cloud MIX	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.35	24.84	43.19	104.02	-60.83	QP	100	165	
2	4.5080	19.23	12.61	31.84	69.50	-37.66	QP	100	32	
3	10.5378	20.49	11.75	32.24	69.50	-37.26	QP	100	136	
4	14.6869	20.98	11.41	32.39	69.50	-37.11	QP	100	8	
5	18.2689	21.40	10.68	32.08	69.50	-37.42	QP	100	18	
6	23.0151	21.71	9.78	31.49	69.50	-38.01	QP	100	138	

Mains Spurious Emissions

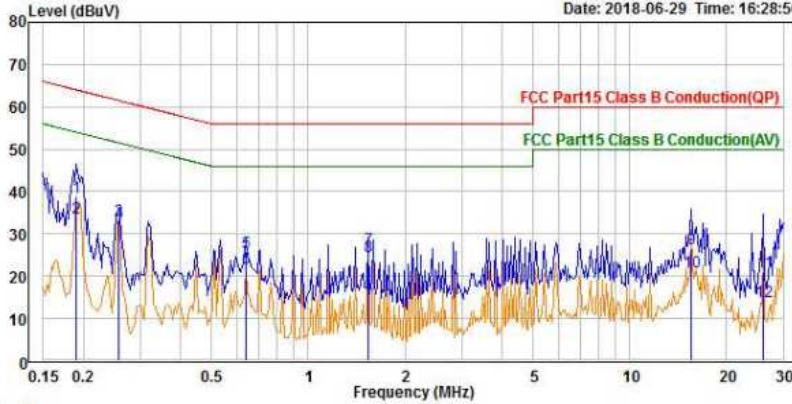


Trace: 1
Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Wade Cheng
Applicant : Kingston
Product : HyperX Cloud MIX
Model No. : HX-HSCAM
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.5°C /41%
Memo : (a) Charing mode

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	25.80	9.68	35.48	66.00	-30.52	QP
2	0.150	6.25	9.68	15.93	56.00	-40.07	Average
3	0.190	29.14	9.68	38.82	64.02	-25.20	QP
4	0.190	23.33	9.68	33.01	54.02	-21.01	Average
5	0.530	16.54	9.69	26.23	56.00	-29.77	QP
6	0.530	16.04	9.69	25.73	46.00	-20.27	Average
7	0.640	15.78	9.69	25.47	56.00	-30.53	QP
8	0.640	12.35	9.69	22.04	46.00	-23.96	Average
9	15.566	16.27	9.84	26.11	60.00	-33.89	QP
10	15.566	10.62	9.84	20.46	50.00	-29.54	Average
11	29.409	15.33	9.83	25.16	60.00	-34.84	QP
12	29.409	5.53	9.83	15.36	50.00	-34.64	Average

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Date: 2018-06-29 Time: 16:28:56



Trace: 1
Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Wade Cheng
Applicant : Kingston
Product : HyperX Cloud MIX
Model No. : HX-HSCAM
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.5°C/41%
Memo : (a) Charing mode

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.190	28.83	9.68	38.51	64.02	-25.51	QP
2	0.190	24.23	9.68	33.91	54.02	-20.11	Average
3	0.257	23.42	9.68	33.10	61.54	-28.44	QP
4	0.257	22.88	9.68	32.56	51.54	-18.98	Average
5	0.640	15.96	9.69	25.65	56.00	-30.35	QP
6	0.640	12.27	9.69	21.96	46.00	-24.04	Average
7	1.536	16.64	9.72	26.36	56.00	-29.64	QP
8	1.536	14.88	9.72	24.60	46.00	-21.40	Average
9	15.566	16.65	9.88	26.53	60.00	-33.47	QP
10	15.566	11.08	9.88	20.96	50.00	-29.04	Average
11	26.102	10.97	9.94	20.91	60.00	-39.09	QP
12	26.102	4.11	9.94	14.05	50.00	-35.95	Average