

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11a	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7715.0	38.9	11.7	50.6	74.0	-23.4	Peak	Horizontal
	8140.0	34.6	12.5	47.1	74.0	-26.9	Peak	Horizontal
*	8735.0	32.8	13.2	46.0	68.2	-22.2	Peak	Horizontal
*	9729.5	33.6	15.6	49.2	68.2	-19.0	Peak	Horizontal
	7715.0	38.1	11.7	49.8	74.0	-24.2	Peak	Vertical
	8165.5	33.8	12.4	46.2	74.0	-27.8	Peak	Vertical
*	8624.5	33.0	13.0	46.0	68.2	-22.2	Peak	Vertical
*	9678.5	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11a	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7766.0	39.2	11.7	50.9	68.2	-17.3	Peak	Horizontal
	8318.5	32.3	12.3	44.6	74.0	-29.4	Peak	Horizontal
*	8658.5	32.7	13.0	45.7	68.2	-22.5	Peak	Horizontal
*	9593.5	32.1	15.2	47.3	68.2	-20.9	Peak	Horizontal
	7434.5	33.9	11.9	45.8	74.0	-28.2	Peak	Vertical
	8199.5	33.6	12.4	46.0	74.0	-28.0	Peak	Vertical
*	8811.5	32.2	13.4	45.6	68.2	-22.6	Peak	Vertical
*	9772.0	32.0	15.9	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	34.8	11.9	46.7	74.0	-27.3	Peak	Horizontal
	8293.0	34.1	12.1	46.2	74.0	-27.8	Peak	Horizontal
*	8760.5	33.5	13.3	46.8	68.2	-21.4	Peak	Horizontal
*	9542.5	34.4	15.1	49.5	68.2	-18.7	Peak	Horizontal
	7485.5	33.9	11.9	45.8	74.0	-28.2	Peak	Vertical
	8361.0	33.3	12.2	45.5	74.0	-28.5	Peak	Vertical
*	8667.0	32.7	13.0	45.7	68.2	-22.5	Peak	Vertical
*	9772.0	32.5	15.9	48.4	68.2	-19.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	33.8	11.8	45.6	74.0	-28.4	Peak	Horizontal
	8208.0	33.4	12.3	45.7	74.0	-28.3	Peak	Horizontal
*	8692.5	32.8	13.2	46.0	68.2	-22.2	Peak	Horizontal
*	9602.0	32.5	15.0	47.5	68.2	-20.7	Peak	Horizontal
	7604.5	33.9	11.8	45.7	74.0	-28.3	Peak	Vertical
	8327.0	34.2	12.2	46.4	74.0	-27.6	Peak	Vertical
*	8752.0	32.5	13.3	45.8	68.2	-22.4	Peak	Vertical
*	9636.0	31.6	15.6	47.2	68.2	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	36.2	11.8	48.0	74.0	-26.0	Peak	Horizontal
	8352.5	32.9	12.1	45.0	74.0	-29.0	Peak	Horizontal
*	8692.5	33.5	13.2	46.7	68.2	-21.5	Peak	Horizontal
*	10129.0	33.0	16.2	49.2	68.2	-19.0	Peak	Horizontal
	7528.0	35.0	11.8	46.8	74.0	-27.2	Peak	Vertical
	8276.0	33.6	12.0	45.6	74.0	-28.4	Peak	Vertical
*	8769.0	32.2	13.4	45.6	68.2	-22.6	Peak	Vertical
*	9729.5	32.0	15.6	47.6	68.2	-20.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	33.3	11.9	45.2	74.0	-28.8	Peak	Horizontal
	8327.0	33.6	12.2	45.8	74.0	-28.2	Peak	Horizontal
*	8692.5	32.5	13.2	45.7	68.2	-22.5	Peak	Horizontal
*	9644.5	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	7366.5	34.7	11.7	46.4	74.0	-27.6	Peak	Vertical
	8208.0	33.0	12.3	45.3	74.0	-28.7	Peak	Vertical
*	8701.0	32.5	13.2	45.7	68.2	-22.5	Peak	Vertical
*	9644.5	31.7	15.5	47.2	68.2	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	35.4	11.8	47.2	74.0	-26.8	Peak	Horizontal
	8276.0	33.5	12.0	45.5	74.0	-28.5	Peak	Horizontal
*	8658.5	33.4	13.0	46.4	68.2	-21.8	Peak	Horizontal
*	9789.0	33.2	15.8	49.0	68.2	-19.2	Peak	Horizontal
	7502.5	35.9	12.0	47.9	74.0	-26.1	Peak	Vertical
	8378.0	33.1	12.4	45.5	74.0	-28.5	Peak	Vertical
*	8735.0	31.2	13.2	44.4	68.2	-23.8	Peak	Vertical
*	9857.0	31.4	16.0	47.4	68.2	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT20	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7417.5	34.6	11.8	46.4	74.0	-27.6	Peak	Horizontal
	8412.0	33.7	12.2	45.9	74.0	-28.1	Peak	Horizontal
*	8777.5	34.1	13.3	47.4	68.2	-20.8	Peak	Horizontal
*	9695.5	34.0	15.5	49.5	68.2	-18.7	Peak	Horizontal
	7553.5	34.8	11.9	46.7	74.0	-27.3	Peak	Vertical
	8429.0	32.5	12.4	44.9	74.0	-29.1	Peak	Vertical
*	8692.5	32.6	13.2	45.8	68.2	-22.4	Peak	Vertical
*	9763.5	33.3	15.9	49.2	68.2	-19.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT40	Test Channel	38
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.3	11.9	47.2	74.0	-26.8	Peak	Horizontal
	8386.5	34.6	12.3	46.9	74.0	-27.1	Peak	Horizontal
*	8701.0	33.4	13.2	46.6	68.2	-21.6	Peak	Horizontal
*	9721.0	32.3	15.4	47.7	68.2	-20.5	Peak	Horizontal
	7579.0	33.0	11.8	44.8	74.0	-29.2	Peak	Vertical
	8276.0	33.0	12.0	45.0	74.0	-29.0	Peak	Vertical
*	8726.5	33.2	13.2	46.4	68.2	-21.8	Peak	Vertical
*	9695.5	32.2	15.5	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT40	Test Channel	46
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	35.8	11.8	47.6	74.0	-26.4	Peak	Horizontal
	8344.0	33.8	12.0	45.8	74.0	-28.2	Peak	Horizontal
*	8633.0	33.3	13.1	46.4	68.2	-21.8	Peak	Horizontal
*	9678.5	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	7553.5	34.6	11.9	46.5	74.0	-27.5	Peak	Vertical
	8199.5	33.4	12.4	45.8	74.0	-28.2	Peak	Vertical
*	8837.0	32.7	13.3	46.0	68.2	-22.2	Peak	Vertical
*	9721.0	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT40	Test Channel	151
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	38.4	11.7	50.1	74.0	-23.9	Peak	Horizontal
	8293.0	34.7	12.1	46.8	74.0	-27.2	Peak	Horizontal
*	8650.0	34.5	13.1	47.6	68.2	-20.6	Peak	Horizontal
*	9746.5	33.6	15.8	49.4	68.2	-18.8	Peak	Horizontal
	7545.0	35.4	11.9	47.3	74.0	-26.7	Peak	Vertical
	8208.0	32.7	12.3	45.0	74.0	-29.0	Peak	Vertical
*	8692.5	34.2	13.2	47.4	68.2	-20.8	Peak	Vertical
*	10231.0	33.4	16.6	50.0	68.2	-18.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Color Radio	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/08/18
Test Mode	802.11n-HT40	Test Channel	159
Remark	1. Average measurement was not performed if peak level lower than average limit (54dBμV/m). 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	34.4	11.7	46.1	74.0	-27.9	Peak	Horizontal
	8437.5	34.7	12.4	47.1	74.0	-26.9	Peak	Horizontal
*	8692.5	33.4	13.2	46.6	68.2	-21.6	Peak	Horizontal
*	9746.5	32.6	15.8	48.4	68.2	-19.8	Peak	Horizontal
	7536.5	34.2	11.9	46.1	74.0	-27.9	Peak	Vertical
	8199.5	33.3	12.4	45.7	74.0	-28.3	Peak	Vertical
*	8769.0	33.3	13.4	46.7	68.2	-21.5	Peak	Vertical
*	9712.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical

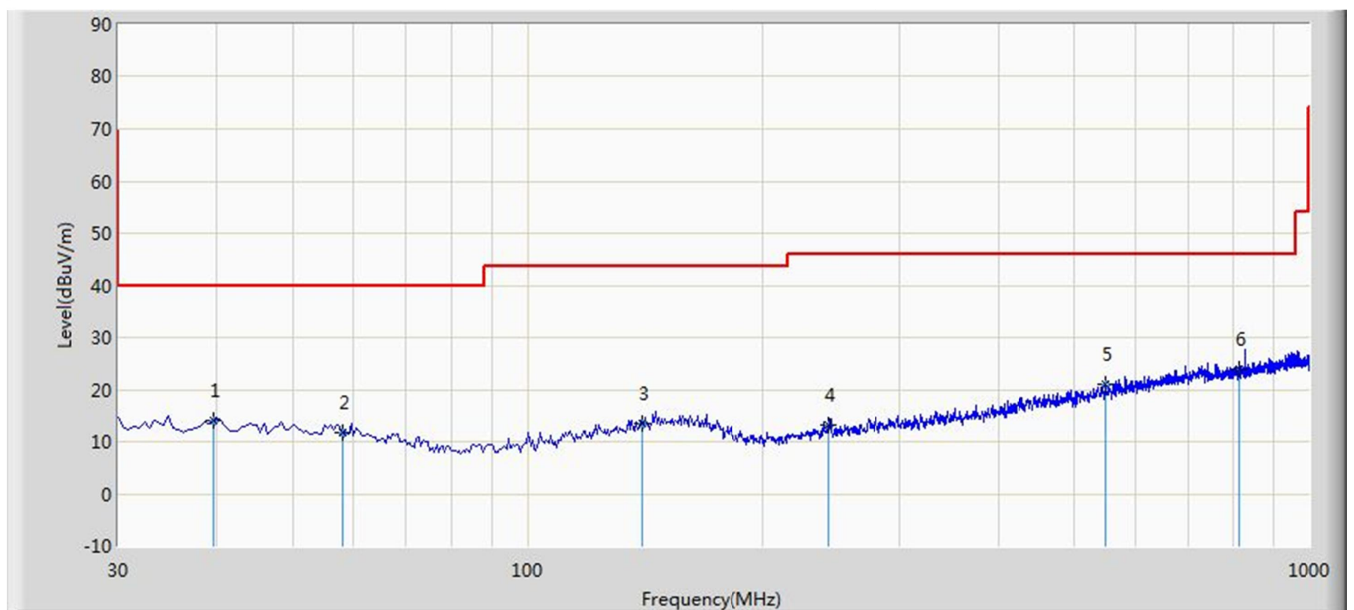
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/08/16 - 19:17
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kyrie Xie
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



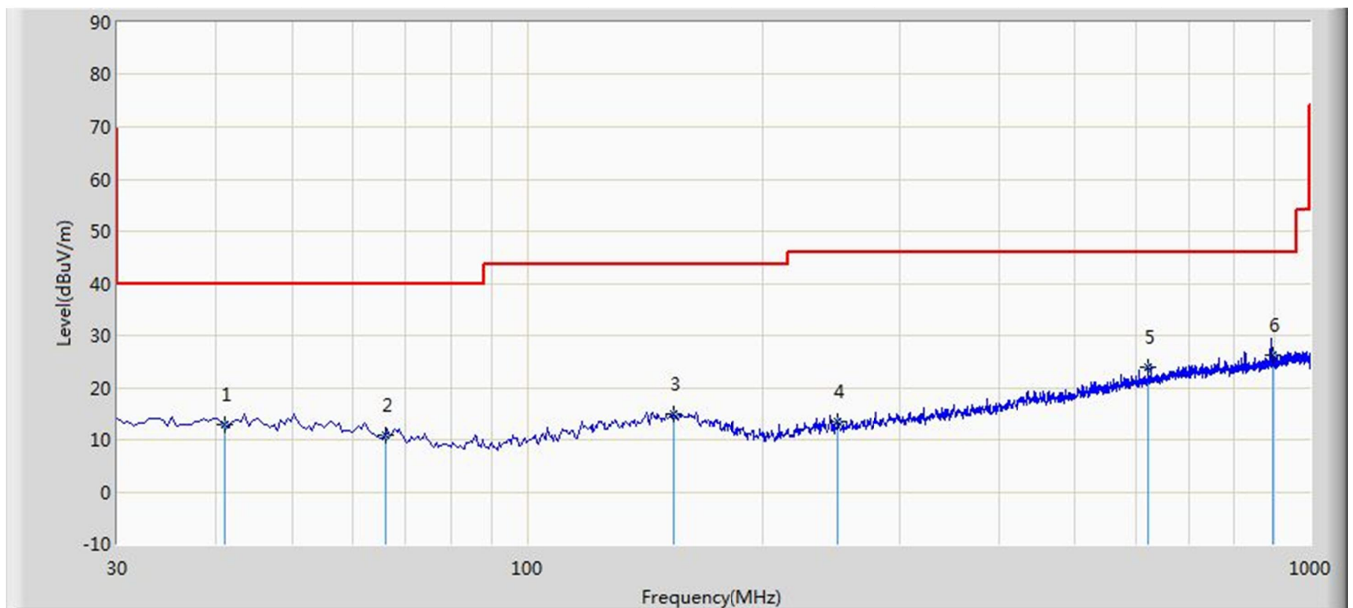
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			39.700	14.155	-0.512	-25.845	40.000	14.667	QP
2			58.130	11.599	-2.059	-28.401	40.000	13.658	QP
3			140.580	13.404	-1.337	-30.096	43.500	14.741	QP
4			242.915	13.235	0.184	-32.765	46.000	13.051	QP
5			548.465	20.985	1.155	-25.015	46.000	19.830	QP
6		*	813.275	23.869	0.086	-22.131	46.000	23.782	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2019/08/16 - 19:22
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kyrie Xie
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			41.155	12.826	-1.775	-27.174	40.000	14.601	QP
2			65.890	10.951	-1.474	-29.049	40.000	12.424	QP
3			153.675	14.918	-0.484	-28.582	43.500	15.402	QP
4			249.220	13.522	0.380	-32.478	46.000	13.142	QP
5			620.245	24.056	2.717	-21.944	46.000	21.339	QP
6		*	896.695	26.341	1.607	-19.659	46.000	24.733	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

7.8. Radiated Restricted Band Edge Measurement

7.8.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
¹ 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	(²)
13.36-13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing

linearly to a level of 15.6dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27dBm/MHz.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.8.3.Test Setting

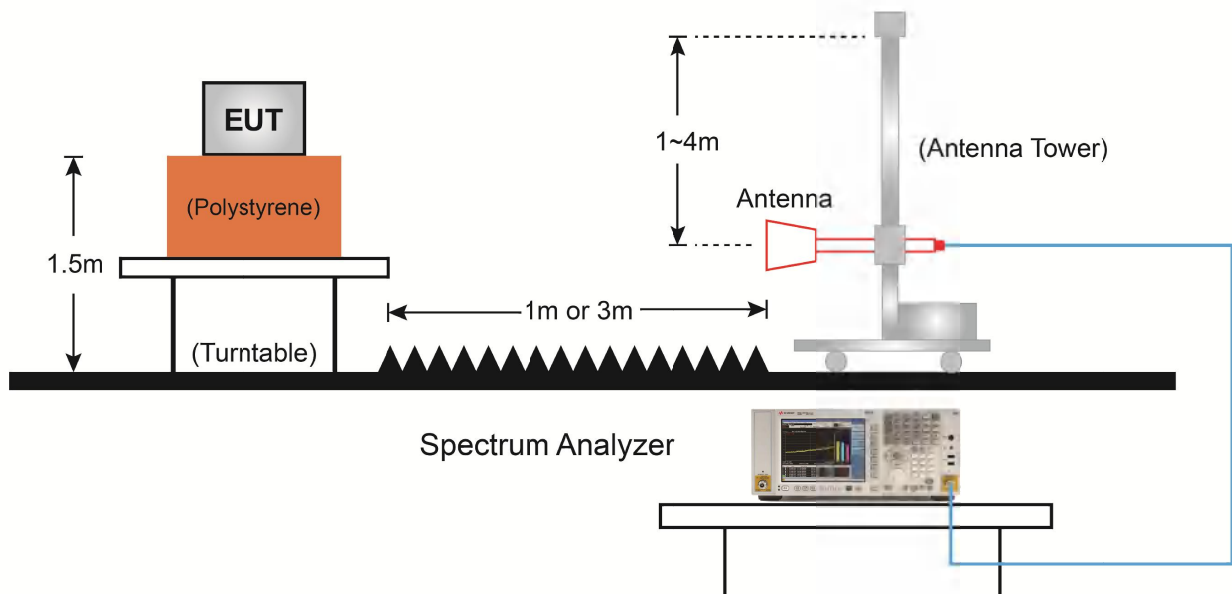
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

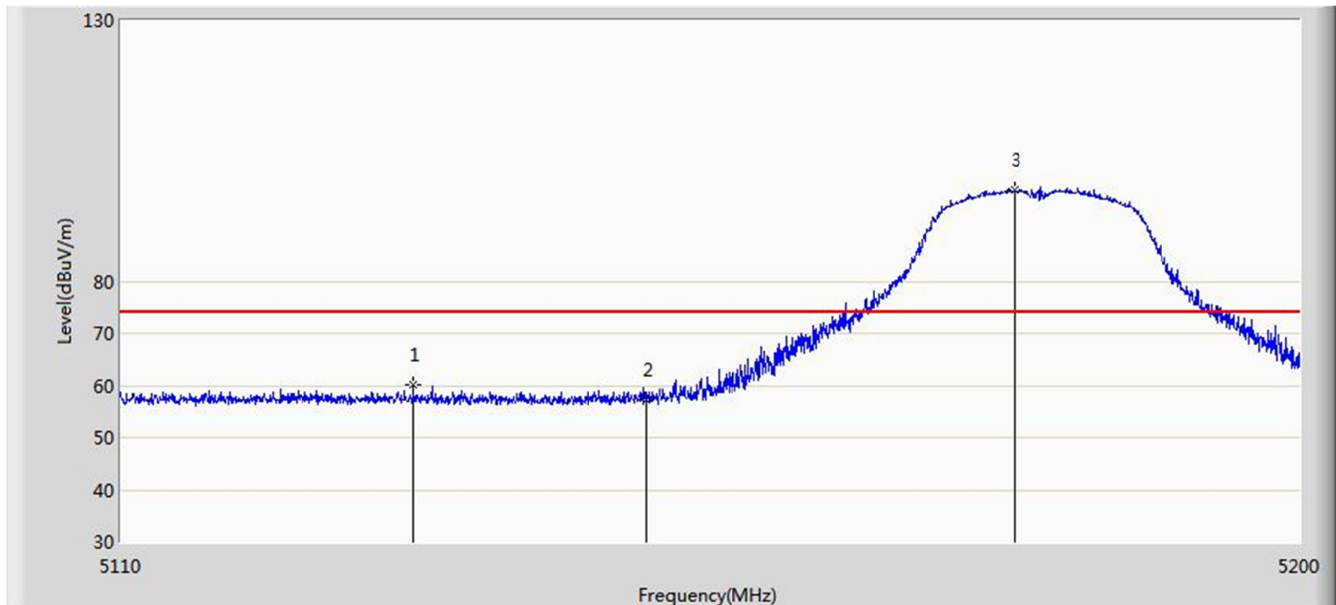
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. If duty cycle $\geq 98\%$, $VBW \leq RBW/100$ but not less than 10Hz; If duty cycle $< 98\%$, set $VBW \geq 1/T$.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

7.8.4.Test Setup



7.8.5.Test Result

Site: AC1	Time: 2019/08/17 - 15:34
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5180MHz	

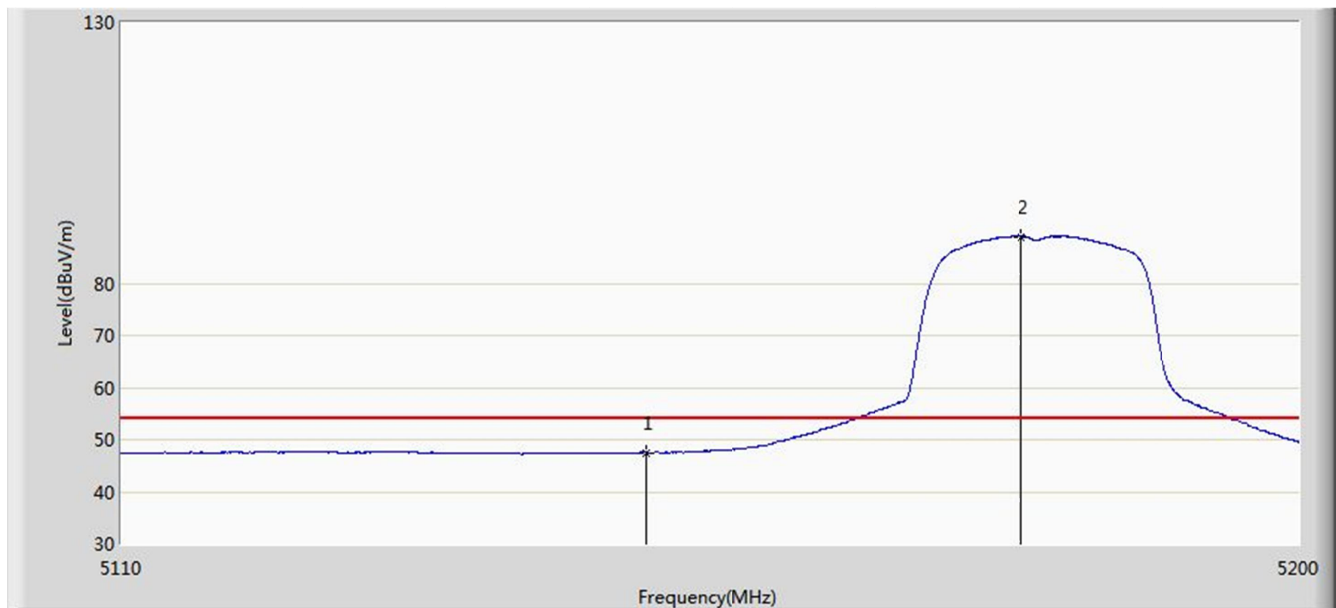


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.185	60.105	53.479	-13.895	74.000	6.626	PK
2			5150.000	57.297	50.900	-16.703	74.000	6.398	PK
3		*	5178.130	97.622	91.070	N/A	N/A	6.553	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 15:49
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5180MHz	

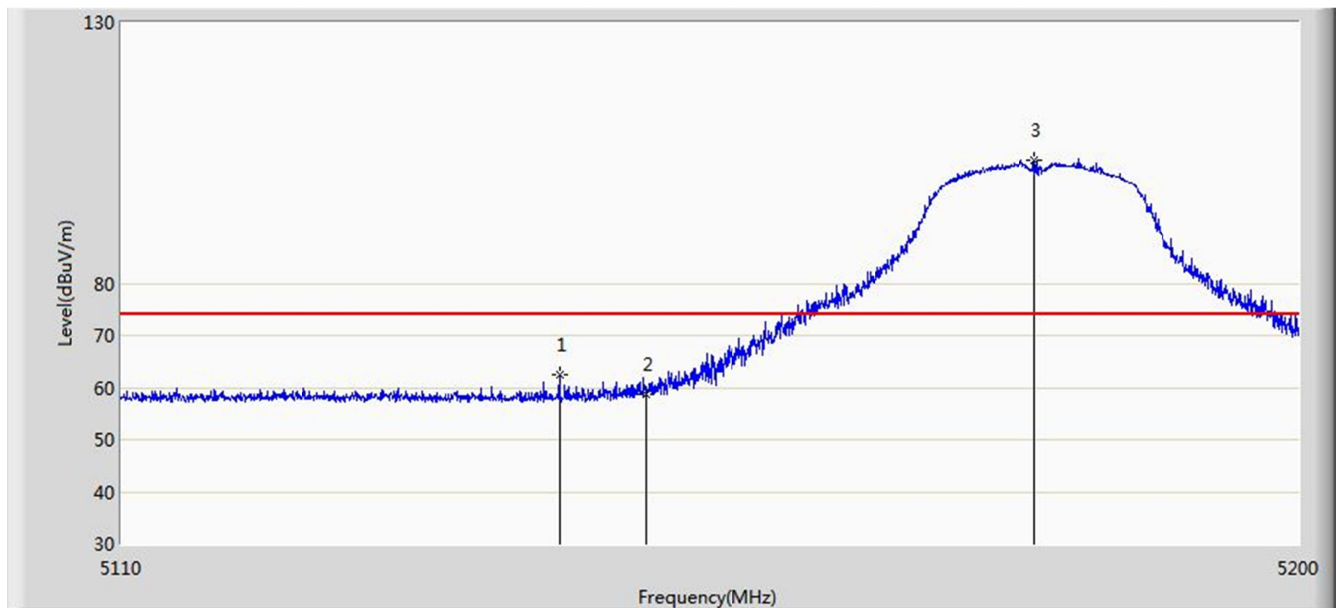


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.489	41.092	-6.511	54.000	6.398	AV
2		*	5178.670	88.983	82.426	N/A	N/A	6.557	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 15:54
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5180MHz	

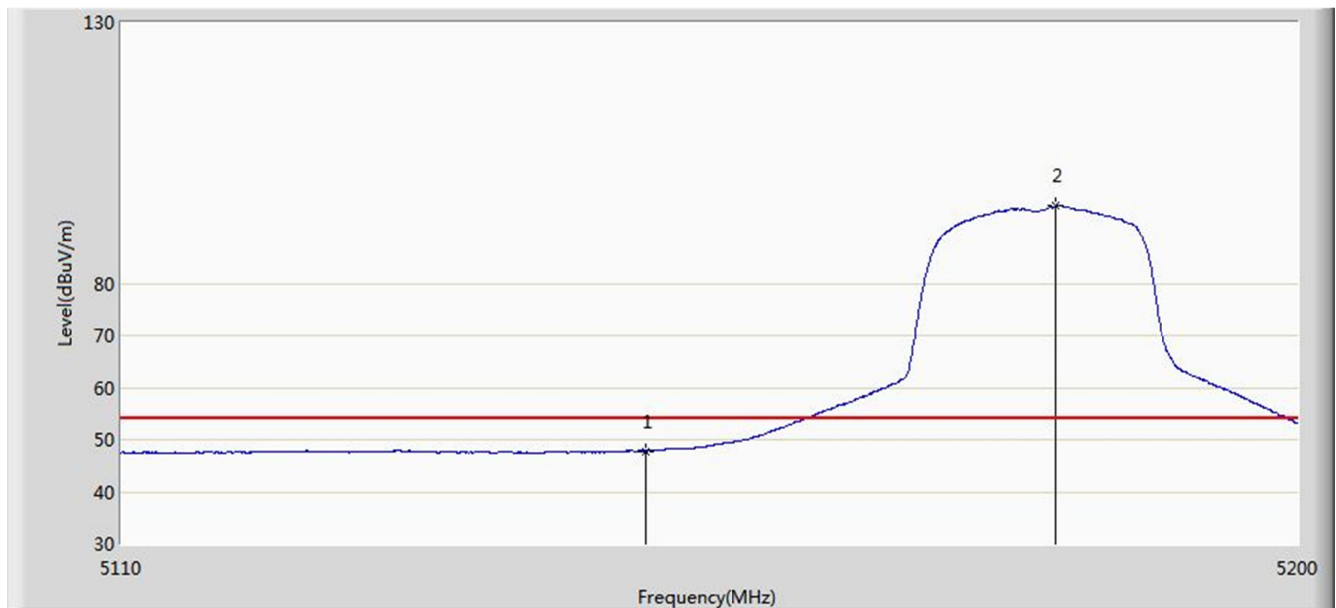


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.300	62.438	55.976	-11.562	74.000	6.461	PK
2			5150.000	58.796	52.399	-15.204	74.000	6.398	PK
3		*	5179.705	103.567	97.000	N/A	N/A	6.567	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 16:00
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5180MHz	

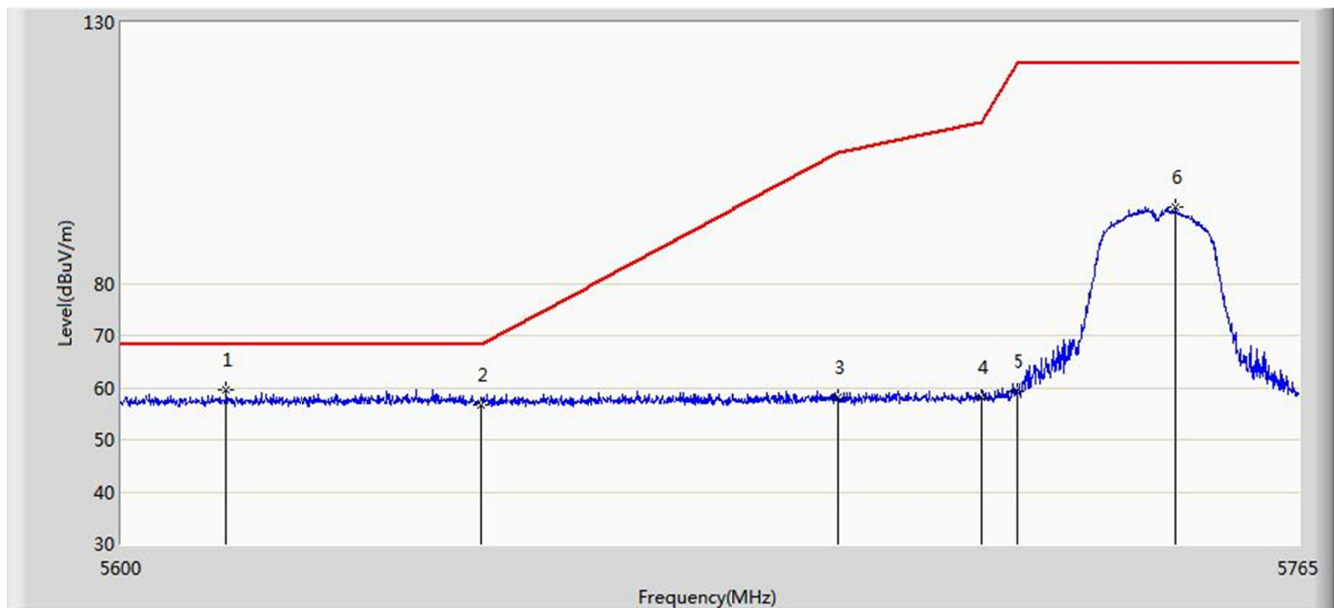


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.785	41.388	-6.215	54.000	6.398	AV
2		*	5181.370	94.784	88.201	N/A	N/A	6.583	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:33
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5745MHz	

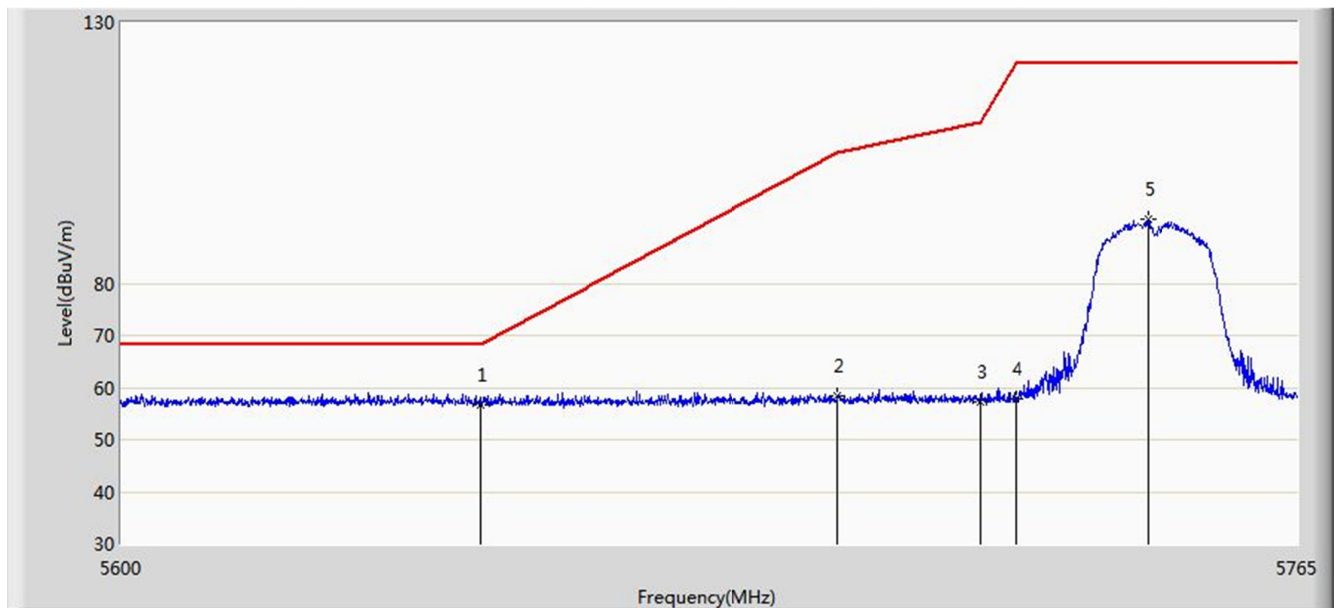


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5614.520	59.565	52.879	-8.635	68.200	6.686	PK
2			5650.000	56.803	50.010	-11.397	68.200	6.793	PK
3			5700.000	58.106	51.198	-47.094	105.200	6.909	PK
4			5720.000	58.002	51.098	-52.798	110.800	6.904	PK
5			5725.000	59.418	52.551	-62.782	122.200	6.867	PK
6			5747.675	94.525	87.496	N/A	N/A	7.033	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5745MHz	

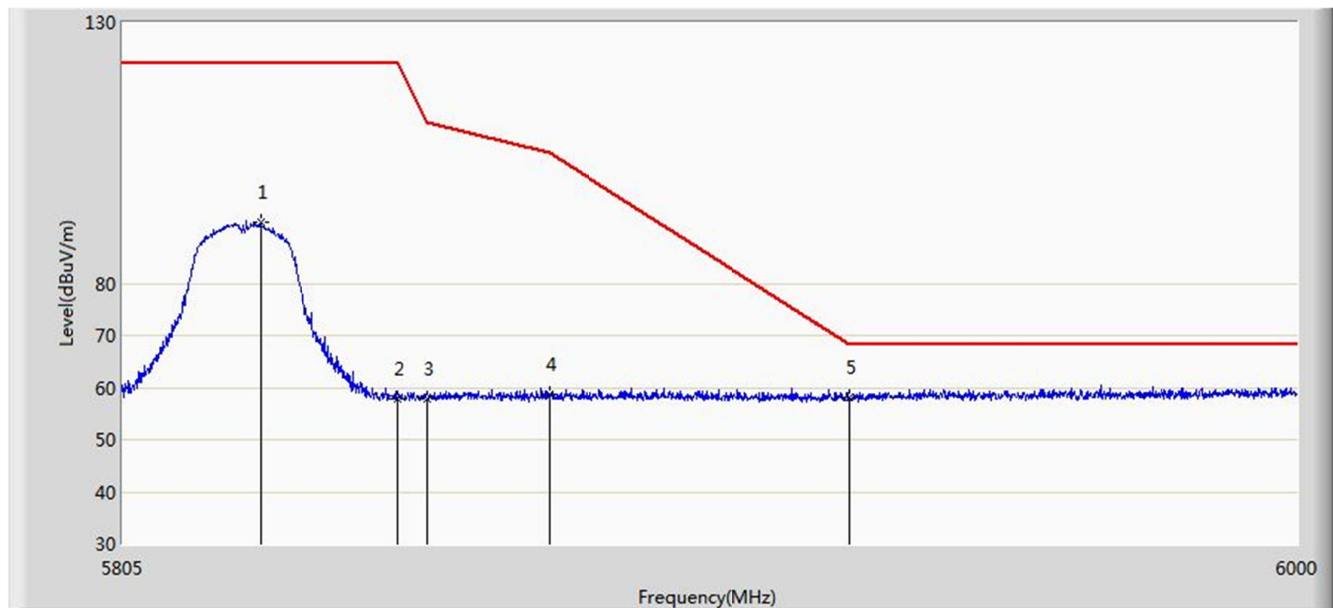


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	56.663	49.870	-11.537	68.200	6.793	PK
2			5700.000	58.402	51.493	-46.798	105.200	6.909	PK
3			5720.000	57.240	50.335	-53.560	110.800	6.904	PK
4			5725.000	57.837	50.970	-64.363	122.200	6.867	PK
5			5743.797	92.362	85.382	N/A	N/A	6.985	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5825MHz	

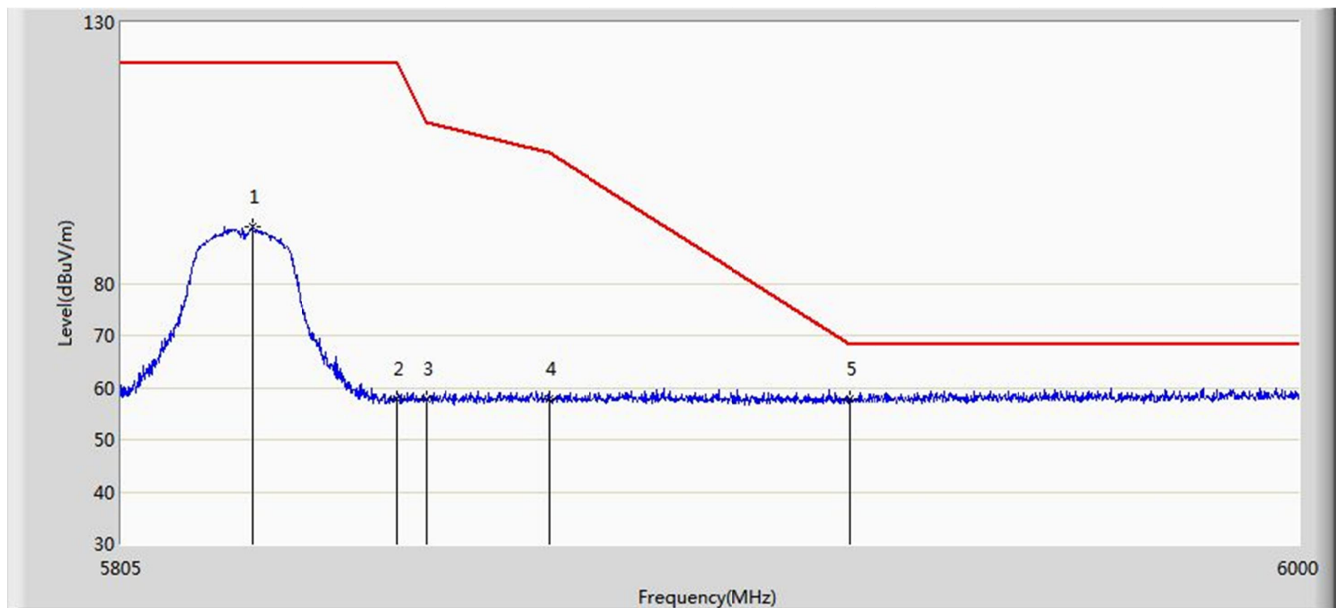


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.620	91.767	84.389	N/A	N/A	7.379	PK
2			5850.000	57.751	50.421	-64.449	122.200	7.331	PK
3			5855.000	57.845	50.517	-52.955	110.800	7.327	PK
4			5875.000	58.559	51.146	-46.641	105.200	7.414	PK
5		*	5925.000	58.100	50.800	-10.100	68.200	7.299	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11a at channel 5825MHz	

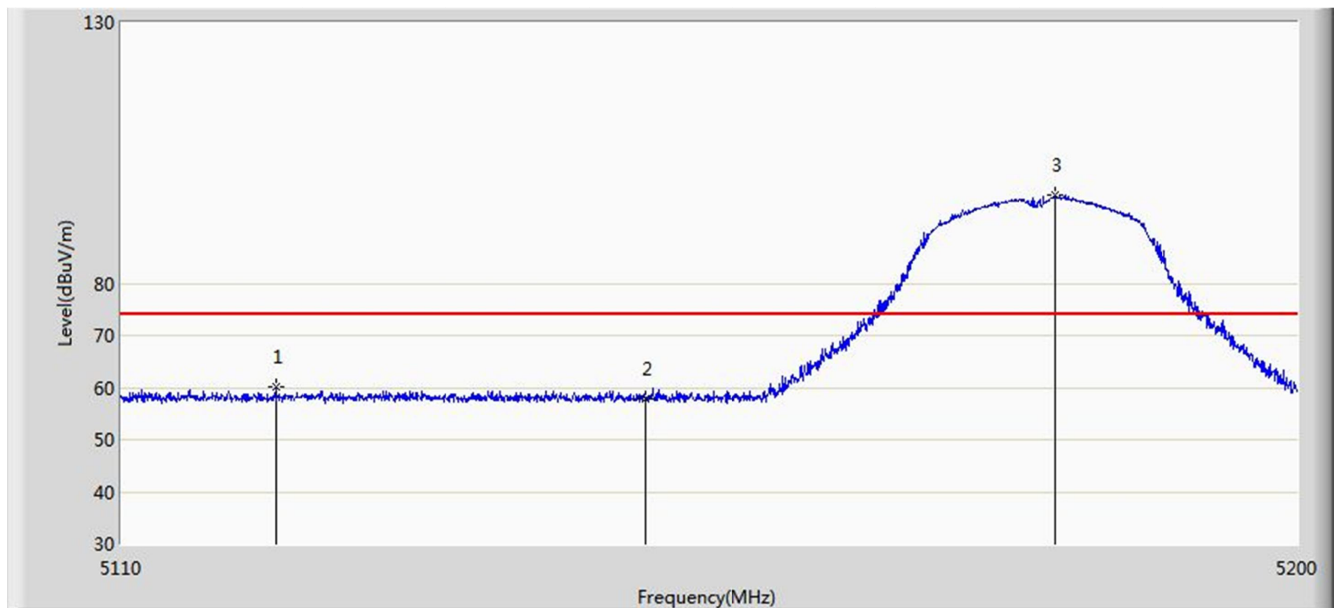


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.353	91.012	83.655	N/A	N/A	7.360	PK
2			5850.000	57.751	50.421	-64.449	122.200	7.331	PK
3			5855.000	57.716	50.388	-53.084	110.800	7.327	PK
4			5875.000	57.963	50.549	-47.237	105.200	7.414	PK
5		*	5925.000	57.787	50.488	-10.413	68.200	7.299	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

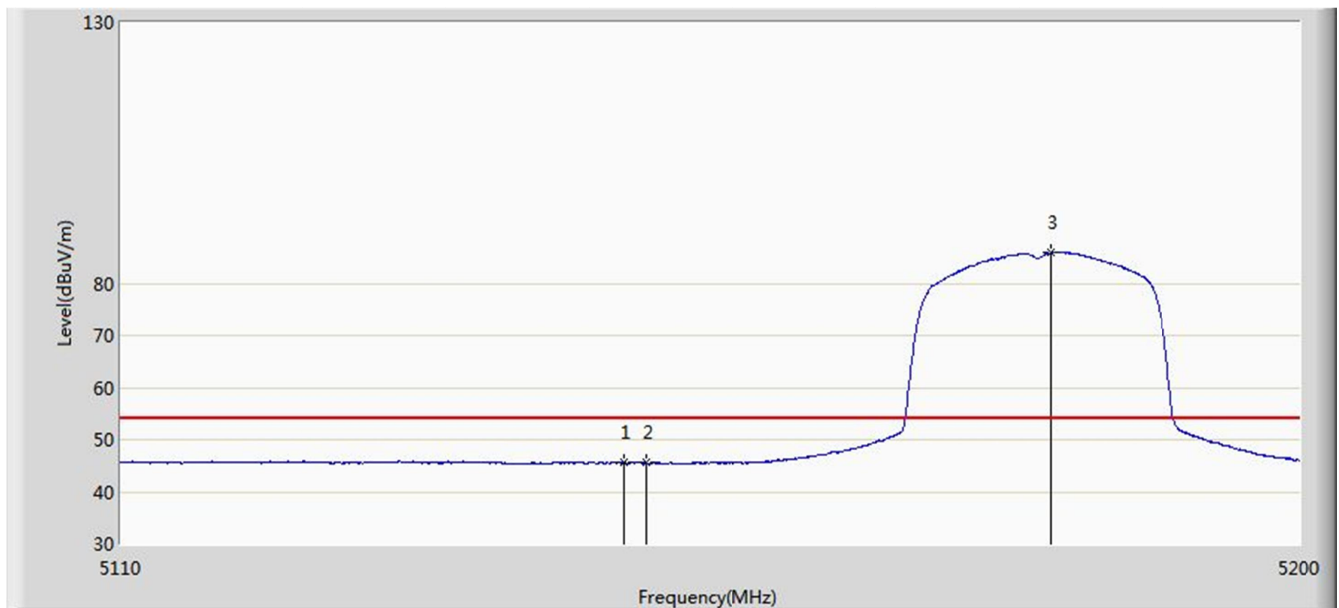


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5121.700	60.115	53.575	-13.885	74.000	6.548	PK
2			5150.000	57.773	51.376	-16.227	74.000	6.398	PK
3		*	5181.370	96.930	90.348	N/A	N/A	6.583	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

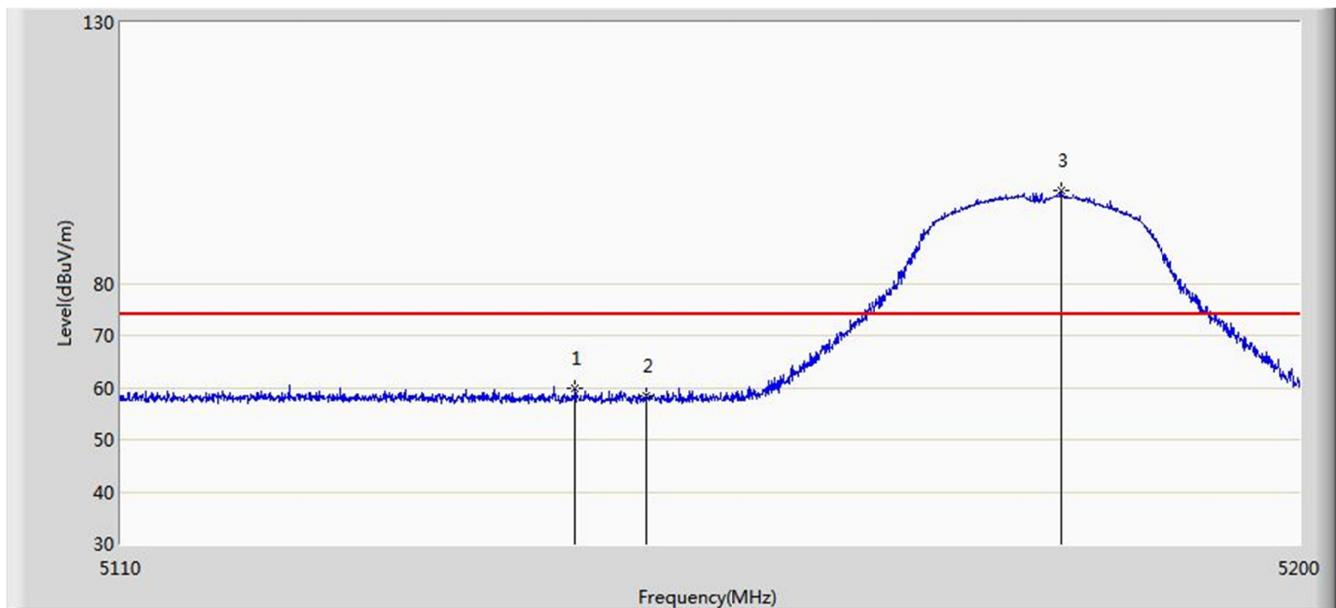


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.250	45.650	39.259	-8.350	54.000	6.391	AV
2			5150.000	45.536	39.139	-8.464	54.000	6.398	AV
3		*	5180.965	85.915	79.336	N/A	N/A	6.579	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

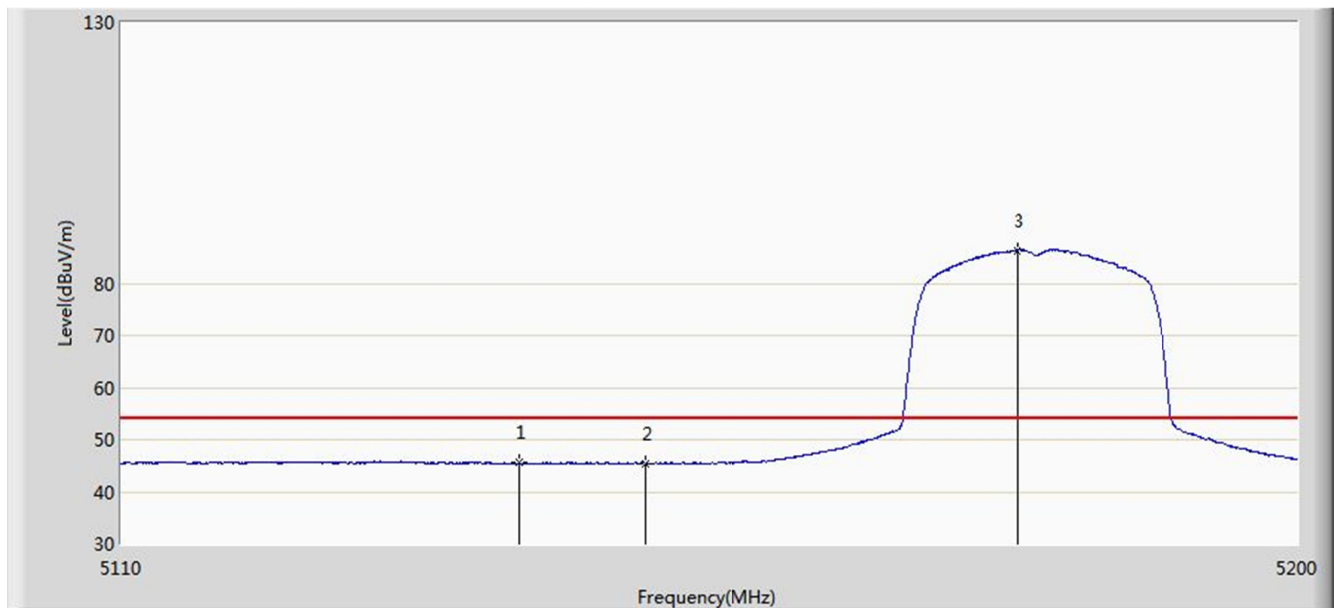


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.470	59.785	53.350	-14.215	74.000	6.444	PK
2			5150.000	58.472	52.075	-15.528	74.000	6.398	PK
3		*	5181.685	97.936	91.352	N/A	N/A	6.586	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:34
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

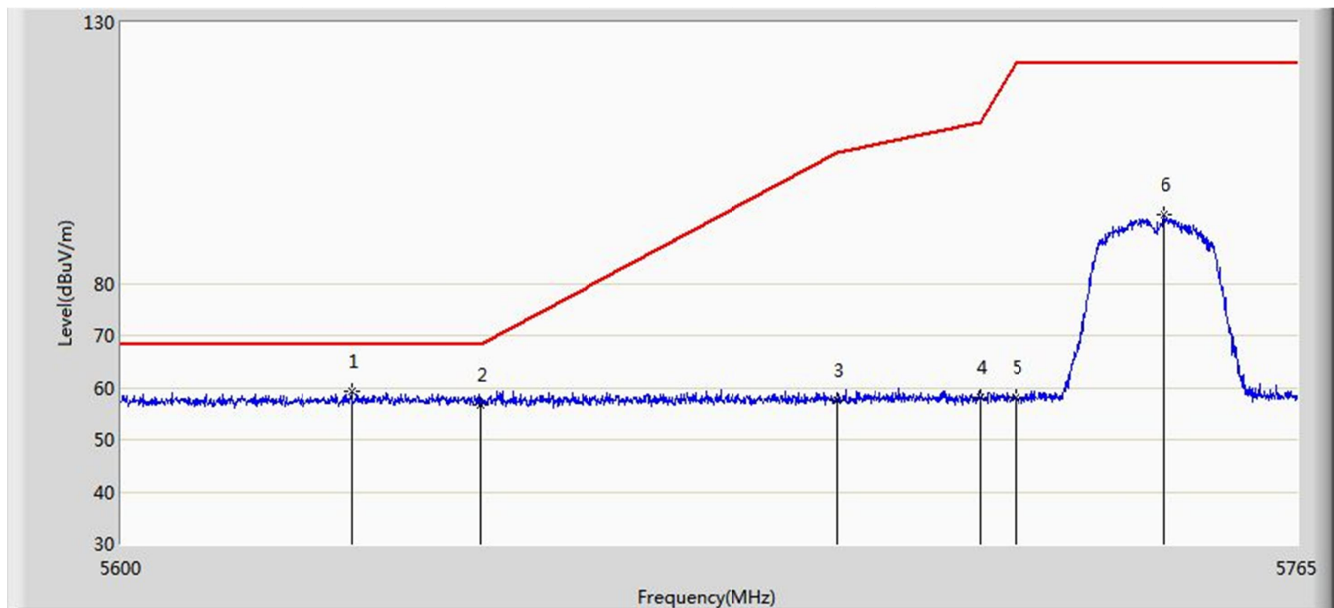


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.240	45.609	39.103	-8.391	54.000	6.508	AV
2			5150.000	45.372	38.975	-8.628	54.000	6.398	AV
3		*	5178.400	86.372	79.817	N/A	N/A	6.554	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:35
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	

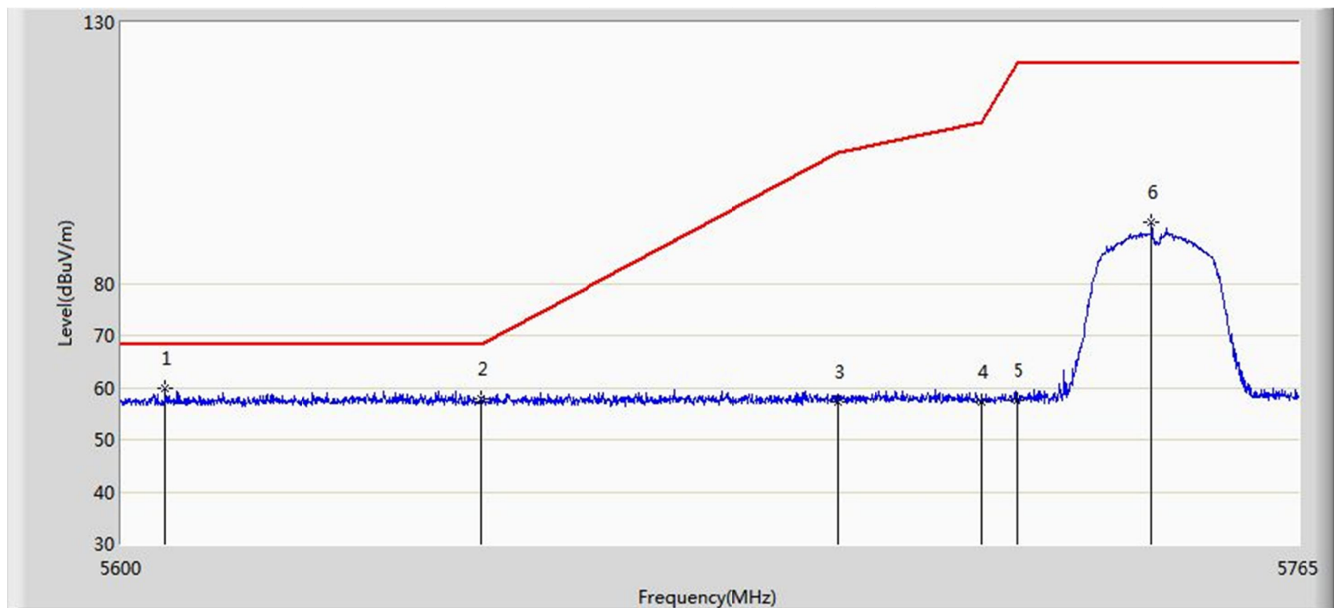


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5632.010	59.227	52.459	-8.973	68.200	6.774	PK
2			5650.000	56.670	49.877	-11.530	68.200	6.793	PK
3			5700.000	57.621	50.713	-47.579	105.200	6.909	PK
4			5720.000	58.157	51.252	-52.643	110.800	6.904	PK
5			5725.000	58.124	51.257	-64.076	122.200	6.867	PK
6			5746.190	93.051	86.038	N/A	N/A	7.014	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:35
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	

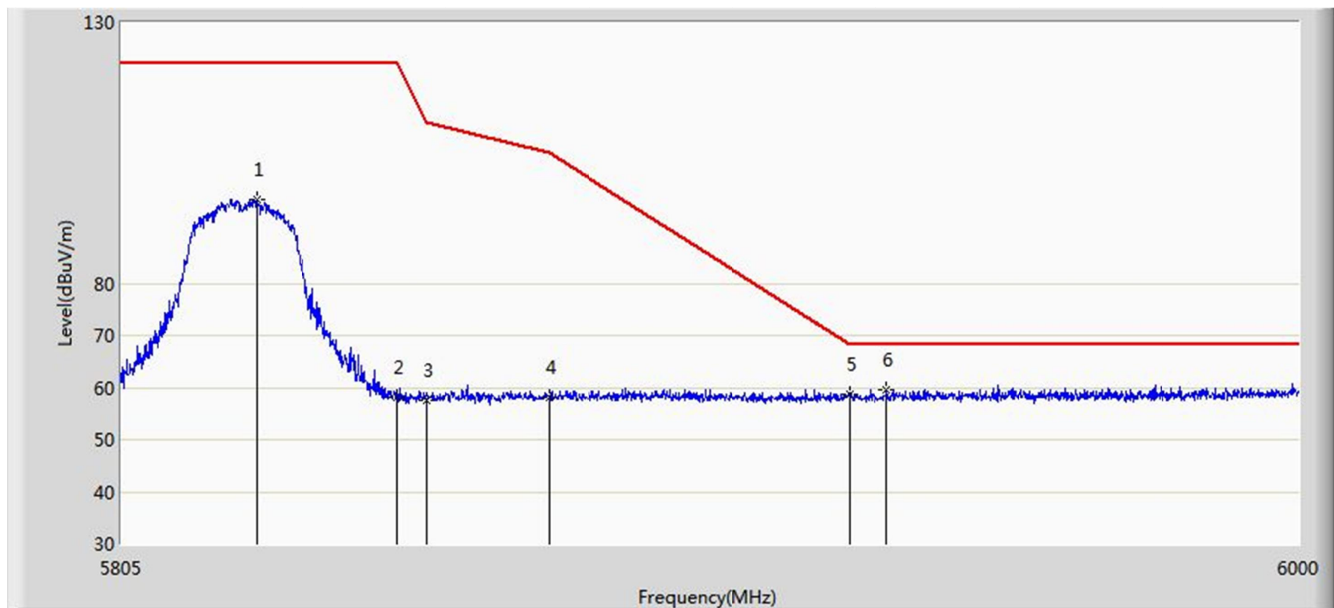


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5606.187	59.982	53.334	-8.218	68.200	6.663	PK
2			5650.000	57.957	51.164	-10.243	68.200	6.793	PK
3			5700.000	57.342	50.434	-47.858	105.200	6.909	PK
4			5720.000	57.384	50.480	-53.416	110.800	6.904	PK
5			5725.000	57.632	50.765	-64.568	122.200	6.867	PK
6			5744.127	91.615	84.636	N/A	N/A	6.989	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:35
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	

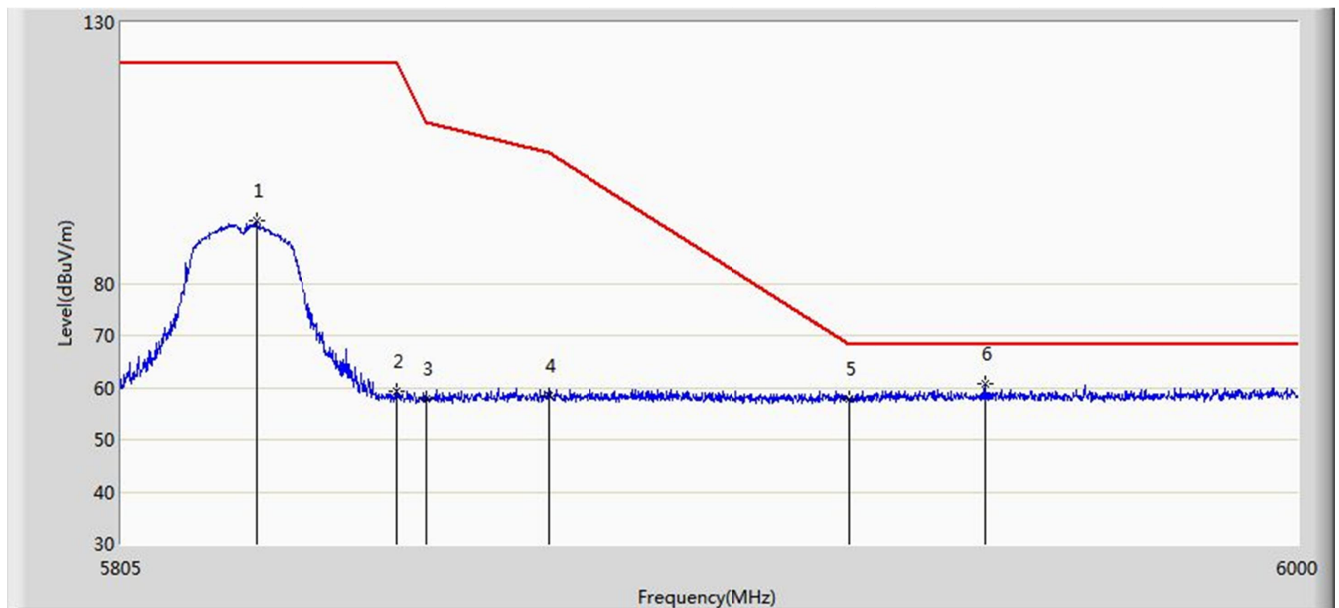


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.035	96.116	88.747	N/A	N/A	7.371	PK
2			5850.000	58.011	50.681	-64.189	122.200	7.331	PK
3			5855.000	57.562	50.234	-53.238	110.800	7.327	PK
4			5875.000	58.001	50.587	-47.199	105.200	7.414	PK
5			5925.000	58.677	51.377	-9.523	68.200	7.299	PK
6		*	5931.067	59.496	52.186	-8.704	68.200	7.315	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:36
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	

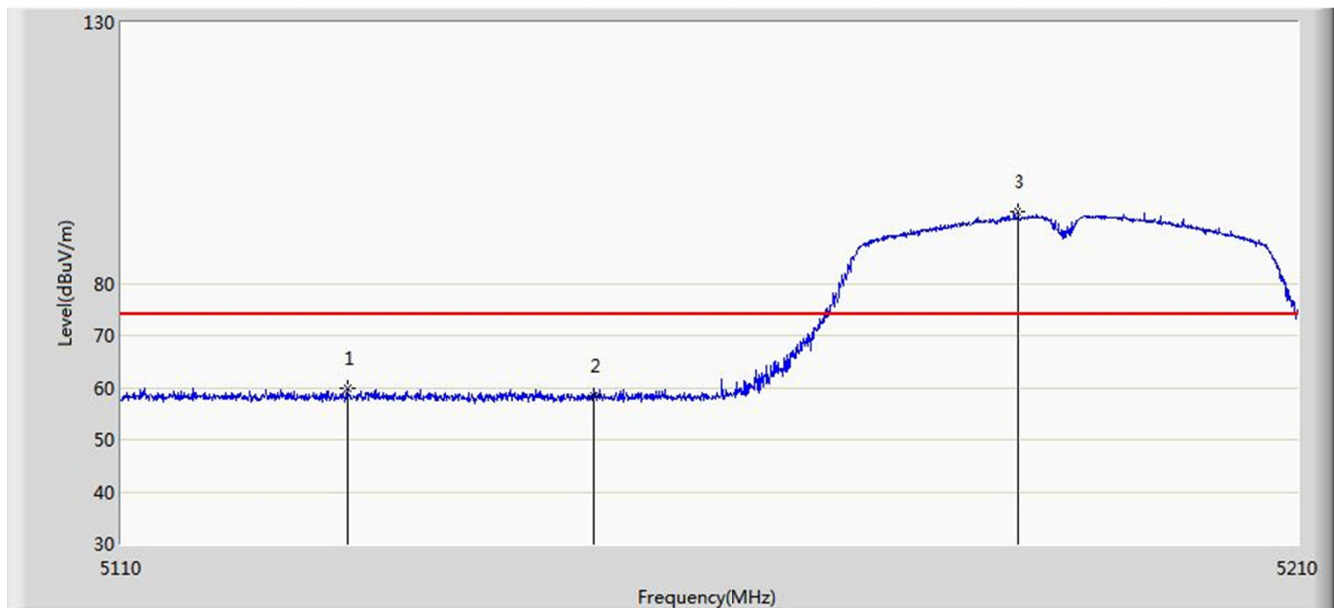


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.035	92.118	84.749	N/A	N/A	7.371	PK
2			5850.000	59.186	51.856	-63.014	122.200	7.331	PK
3			5855.000	57.852	50.524	-52.948	110.800	7.327	PK
4			5875.000	58.485	51.071	-46.715	105.200	7.414	PK
5			5925.000	57.840	50.540	-10.360	68.200	7.299	PK
6		*	5947.545	60.650	53.150	-7.550	68.200	7.501	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:36
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

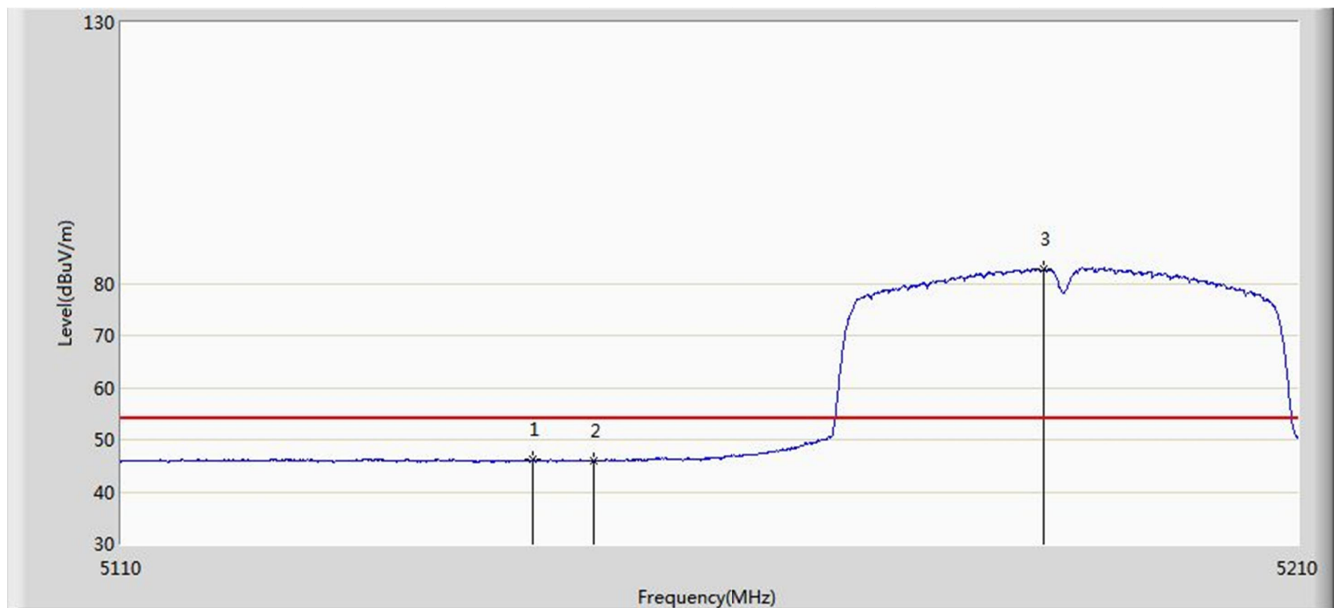


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5129.100	59.868	53.248	-14.132	74.000	6.625	PK
2			5150.000	58.263	51.866	-15.737	74.000	6.398	PK
3		*	5186.050	93.863	87.319	N/A	N/A	6.549	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:36
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

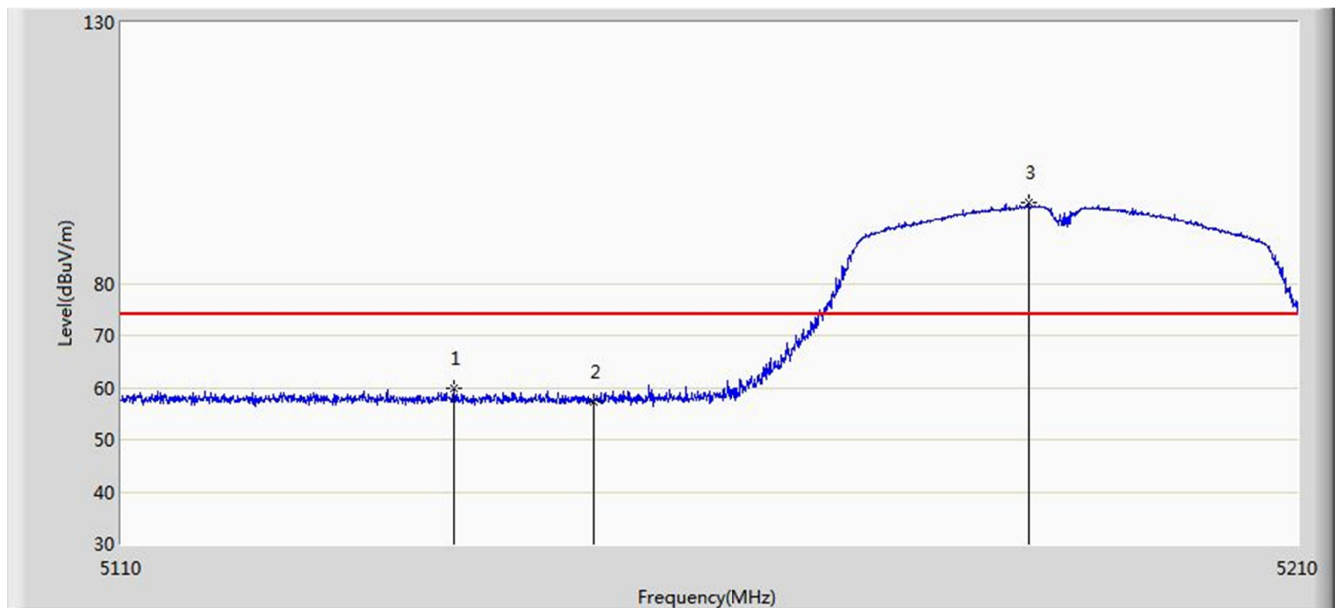


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.800	46.240	39.801	-7.760	54.000	6.438	AV
2			5150.000	46.046	39.649	-7.954	54.000	6.398	AV
3		*	5188.300	82.674	76.147	N/A	N/A	6.526	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:36
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

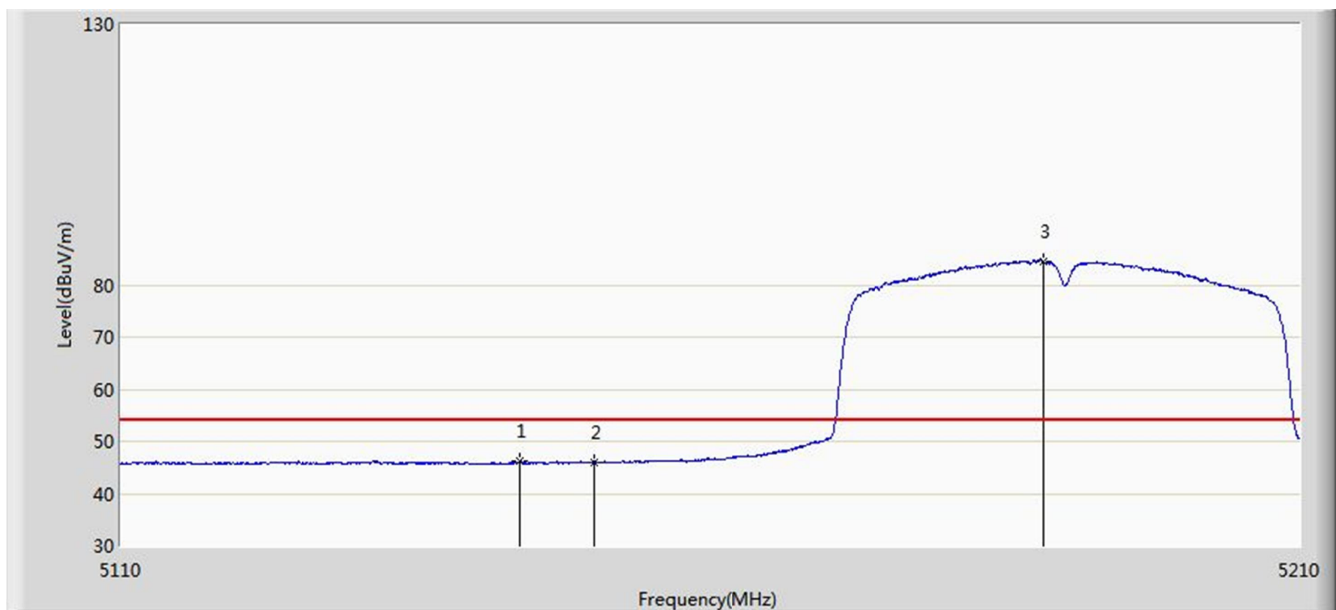


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.100	59.992	53.457	-14.008	74.000	6.540	PK
2			5150.000	57.291	50.893	-16.709	74.000	6.398	PK
3		*	5187.000	95.443	88.903	N/A	N/A	6.539	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:36
Limit: FCC_Part15.209 RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

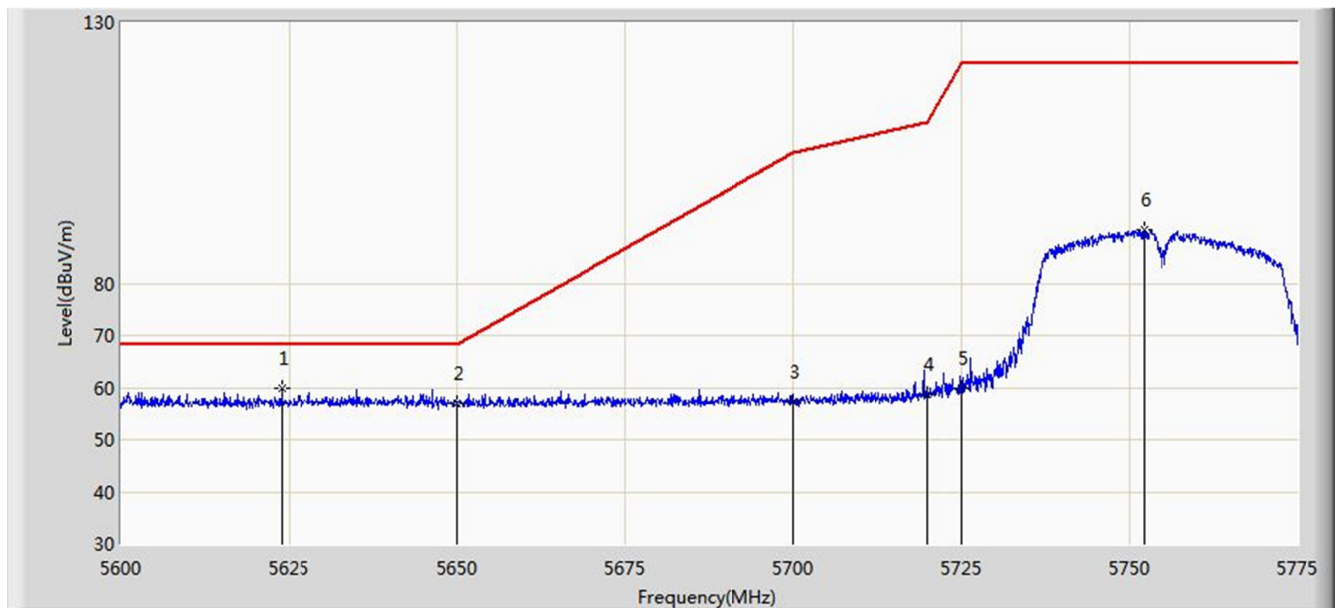


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.650	46.189	39.733	-7.811	54.000	6.456	AV
2			5150.000	46.081	39.684	-7.919	54.000	6.398	AV
3		*	5188.150	84.626	78.098	N/A	N/A	6.528	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:21
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

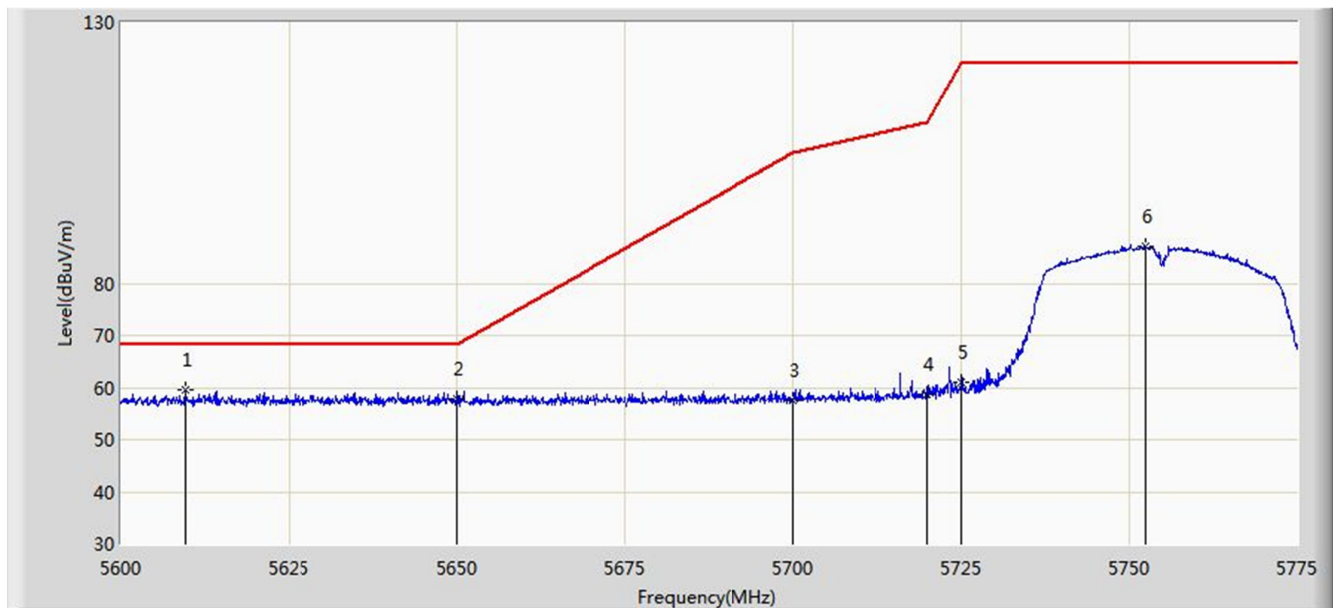


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5623.888	59.816	53.095	-8.384	68.200	6.721	PK
2			5650.000	56.974	50.181	-11.226	68.200	6.793	PK
3			5700.000	57.122	50.213	-48.078	105.200	6.909	PK
4			5720.000	58.720	51.816	-52.080	110.800	6.904	PK
5			5725.000	59.883	53.016	-62.317	122.200	6.867	PK
6			5752.250	90.253	83.164	N/A	N/A	7.088	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:24
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

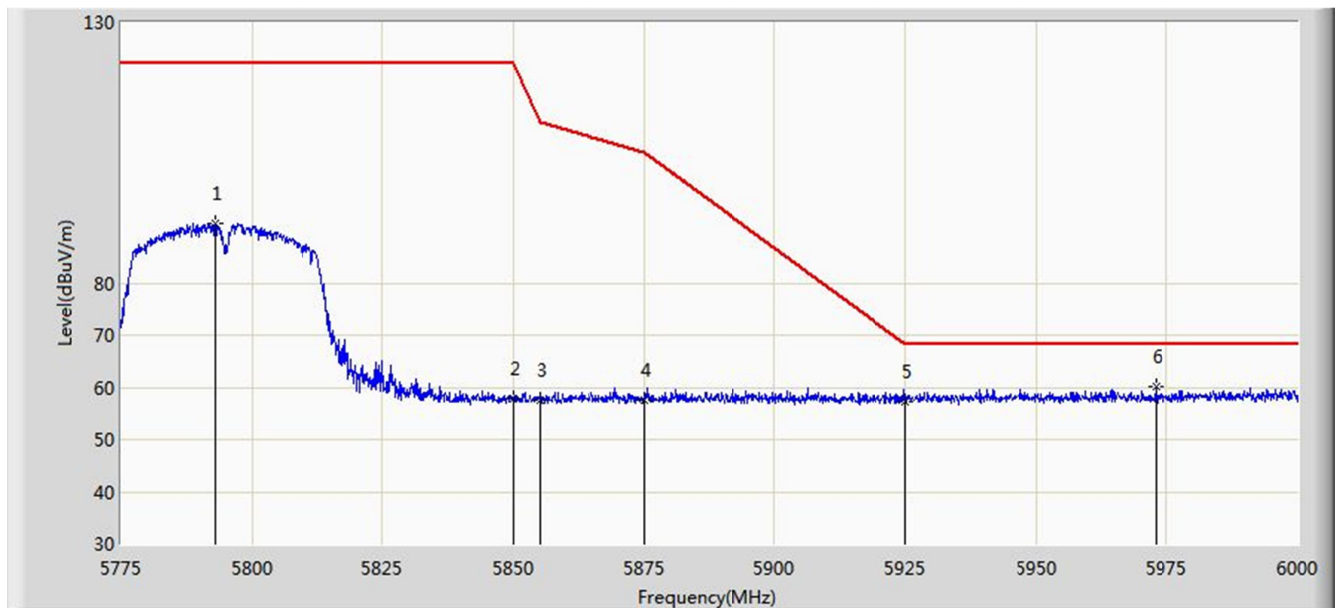


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5609.625	59.487	52.817	-8.713	68.200	6.669	PK
2			5650.000	57.741	50.948	-10.459	68.200	6.793	PK
3			5700.000	57.587	50.678	-47.613	105.200	6.909	PK
4			5720.000	58.748	51.844	-52.052	110.800	6.904	PK
5			5725.000	61.158	54.291	-61.042	122.200	6.867	PK
6			5752.337	86.996	79.906	N/A	N/A	7.089	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:28
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	

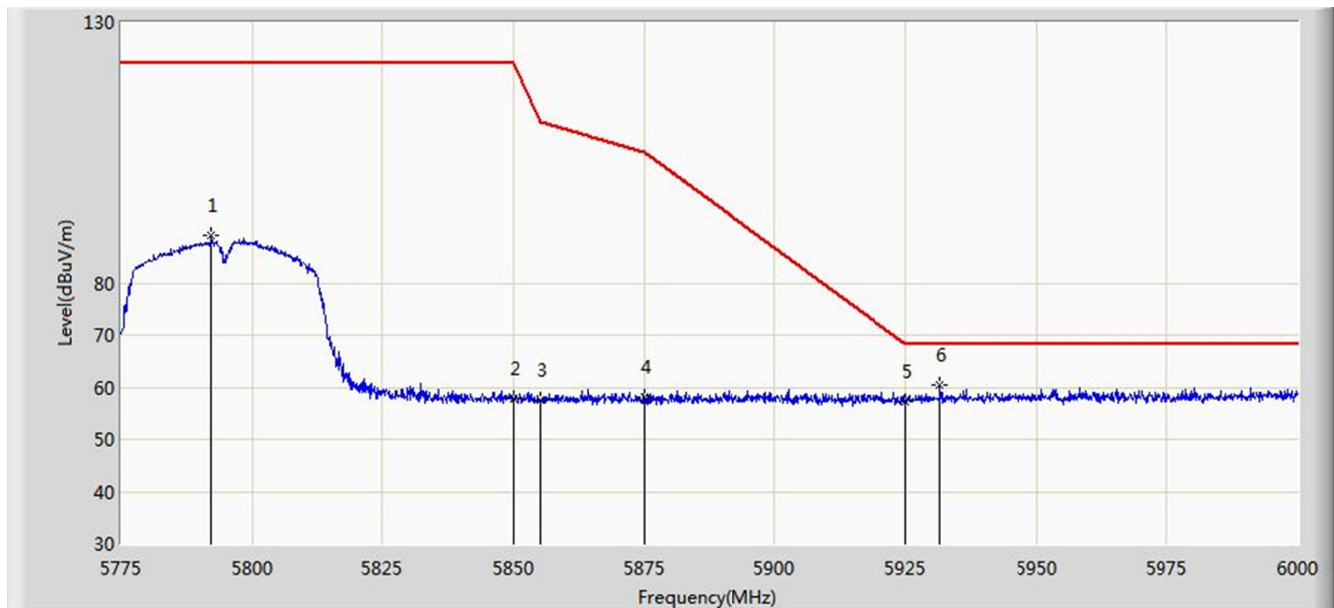


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5793.112	91.338	84.298	N/A	N/A	7.039	PK
2			5850.000	57.764	50.434	-64.436	122.200	7.331	PK
3			5855.000	57.413	50.085	-53.387	110.800	7.327	PK
4			5875.000	57.490	50.076	-47.710	105.200	7.414	PK
5			5925.000	57.385	50.085	-10.815	68.200	7.299	PK
6		*	5972.888	60.025	52.659	-8.175	68.200	7.366	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/08/17 - 19:30
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Color Radio	Power: DC 12V
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.325	89.056	82.009	N/A	N/A	7.048	PK
2			5850.000	57.843	50.513	-64.357	122.200	7.331	PK
3			5855.000	57.564	50.236	-53.236	110.800	7.327	PK
4			5875.000	58.008	50.594	-47.192	105.200	7.414	PK
5			5925.000	57.391	50.091	-10.809	68.200	7.299	PK
6		*	5931.600	60.311	52.989	-7.889	68.200	7.322	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

7.9. AC Conducted Emissions Measurement

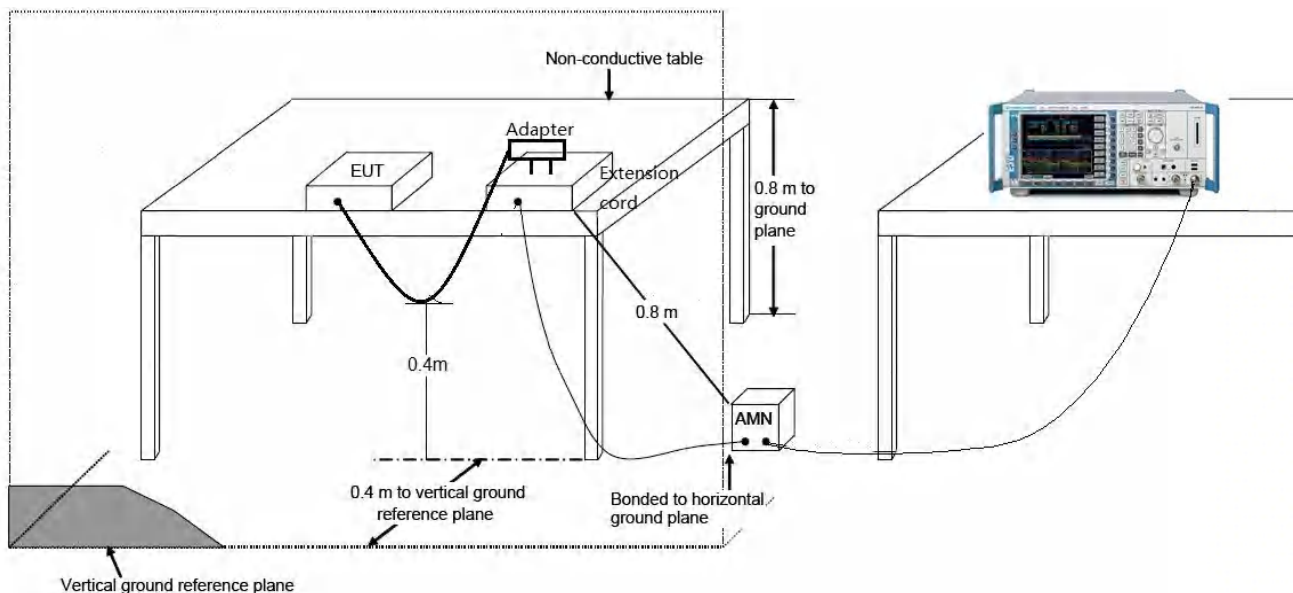
7.9.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.9.2. Test Setup



7.9.3. Test Result

Device is powered by battery, so this item is not applied.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15E of the FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to “1907WSU008-UT” file.

Appendix B - EUT Photograph

Refer to “1907WSU008-UE” file.