

Operation Mode: CH High(LE Mode)

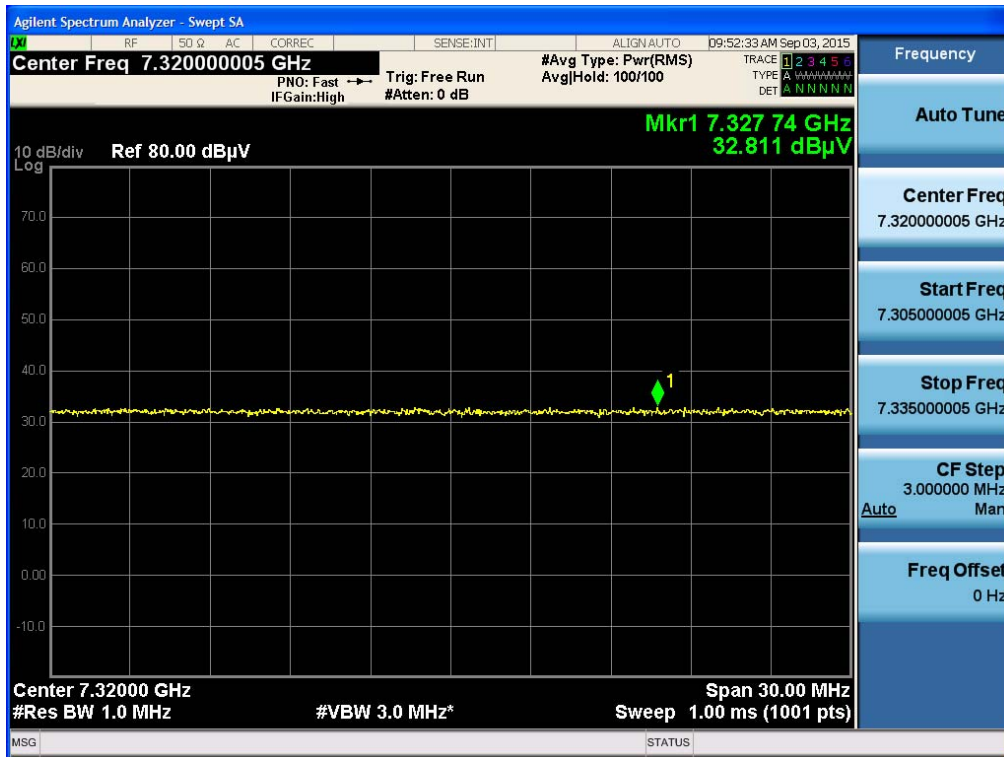
Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.37	-1.84	V	48.53	73.98	25.45	PK
4960	36.19	-1.84	V	34.35	53.98	19.63	AV
7440	46.45	7.13	V	53.58	73.98	20.40	PK
7440	32.38	7.13	V	39.51	53.98	14.47	AV
4960	50.50	-1.84	H	48.66	73.98	25.32	PK
4960	36.28	-1.84	H	34.44	53.98	19.54	AV
7440	46.61	7.13	H	53.74	73.98	20.24	PK
7440	32.45	7.13	H	39.58	53.98	14.40	AV

**Notes:**

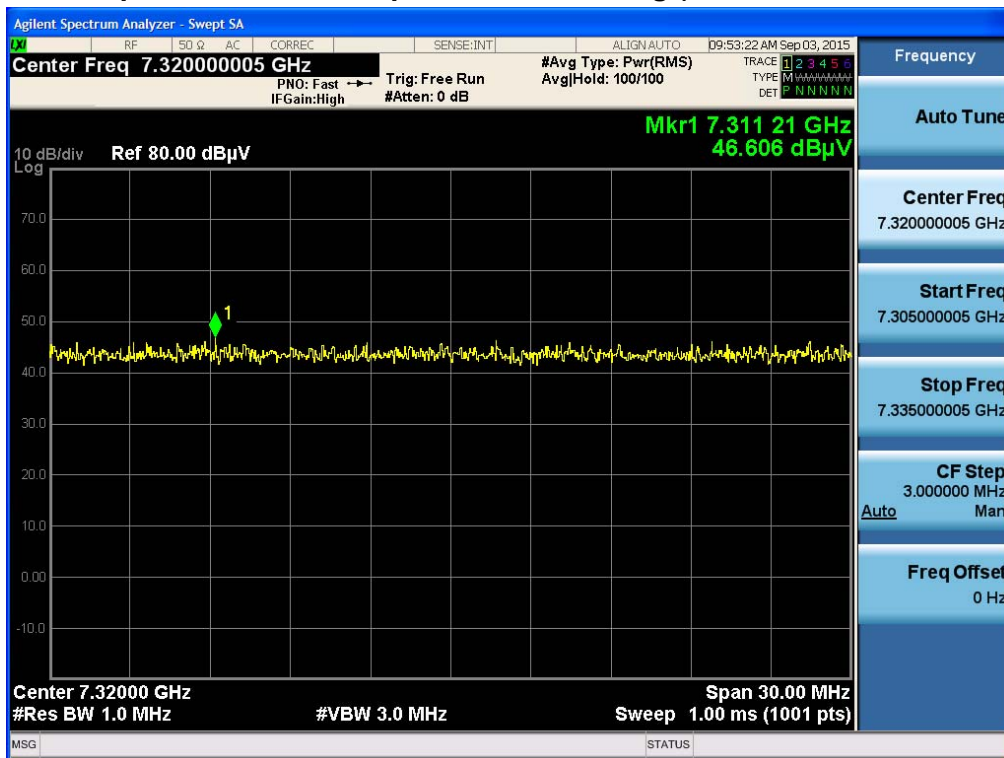
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

RESULT PLOTS

Radiated Spurious Emissions plot – Average Reading (LE, Mid Ch. 3rd Harmonic)



Radiated Spurious Emissions plot – Peak Reading (LE, Mid Ch. 3rd Harmonic)



Note : Only the worst case plots for Radiated Spurious Emissions.

**Standalone with wireless charging cover**

**Above 1 GHz**

Operation Mode: CH Low(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	48.96	-2.16	V	46.80	73.98	27.18	PK
4804	35.36	-2.16	V	33.20	53.98	20.78	AV
7206	45.99	7.31	V	53.30	73.98	20.68	PK
7206	32.50	7.31	V	39.81	53.98	14.17	AV
4804	49.08	-2.16	H	46.92	73.98	27.06	PK
4804	35.45	-2.16	H	33.29	53.98	20.69	AV
7206	46.07	7.31	H	53.38	73.98	20.60	PK
7206	32.57	7.31	H	39.88	53.98	14.10	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Operation Mode: CH Mid(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4880	49.66	-1.87	V	47.79	73.98	26.19	PK
4880	35.92	-1.87	V	34.05	53.98	19.93	AV
7320	46.05	7.35	V	53.40	73.98	20.58	PK
7320	32.69	7.35	V	40.04	53.98	13.94	AV
4880	49.78	-1.87	H	47.91	73.98	26.07	PK
4880	35.99	-1.87	H	34.12	53.98	19.86	AV
7320	46.18	7.35	H	53.53	73.98	20.45	PK
7320	32.79	7.35	H	40.14	53.98	13.84	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Operation Mode: CH High(LE Mode)

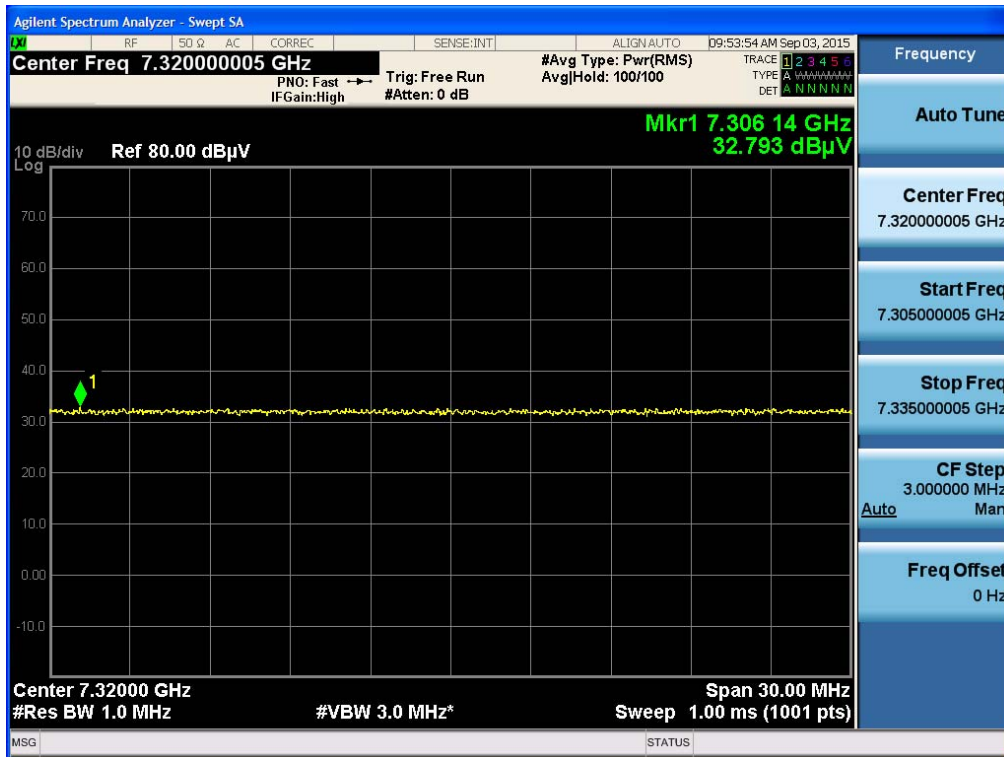
Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.37	-1.84	V	48.53	73.98	25.45	PK
4960	36.19	-1.84	V	34.35	53.98	19.63	AV
7440	46.45	7.13	V	53.58	73.98	20.40	PK
7440	32.38	7.13	V	39.51	53.98	14.47	AV
4960	50.43	-1.84	H	48.59	73.98	25.39	PK
4960	36.27	-1.84	H	34.43	53.98	19.55	AV
7440	46.54	7.13	H	53.67	73.98	20.31	PK
7440	32.44	7.13	H	39.57	53.98	14.41	AV

**Notes:**

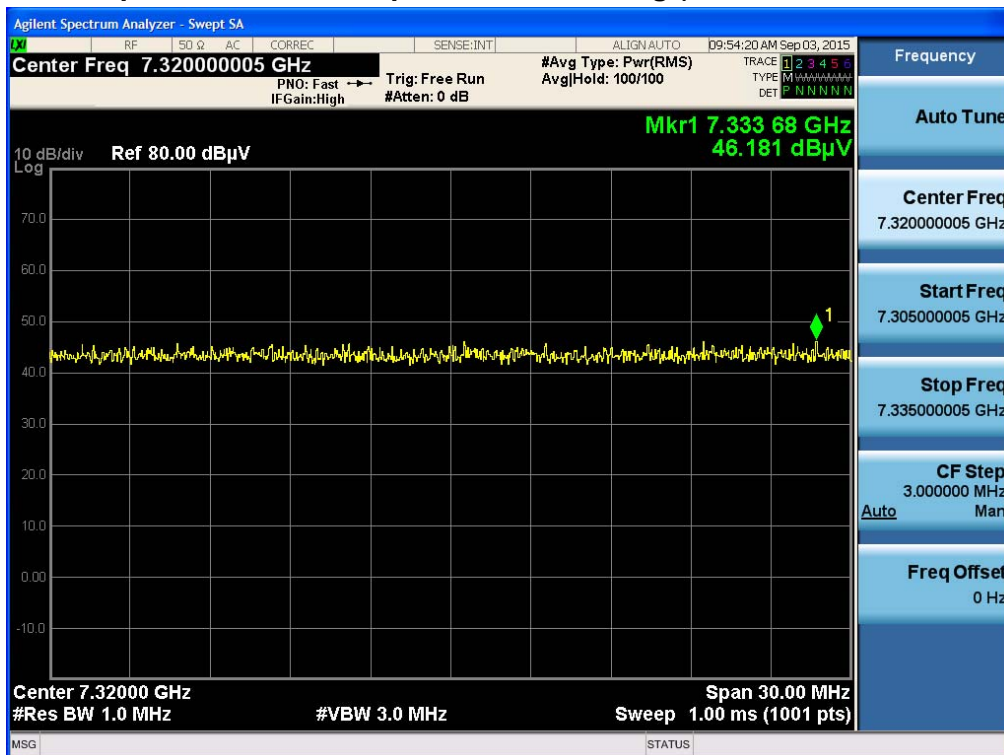
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

RESULT PLOTS

Radiated Spurious Emissions plot – Average Reading (LE, Mid Ch. 3rd Harmonic)



Radiated Spurious Emissions plot – Peak Reading (LE, Mid Ch. 3rd Harmonic)



Note : Only the worst case plots for Radiated Spurious Emissions.

**With wireless charging pad(WCD-110)**

**Above 1 GHz**

Operation Mode: CH Low(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	48.94	-2.16	V	46.78	73.98	27.20	PK
4804	35.34	-2.16	V	33.18	53.98	20.80	AV
7206	45.97	7.31	V	53.28	73.98	20.70	PK
7206	32.48	7.31	V	39.79	53.98	14.19	AV
4804	49.10	-2.16	H	46.94	73.98	27.04	PK
4804	35.43	-2.16	H	33.27	53.98	20.71	AV
7206	46.09	7.31	H	53.40	73.98	20.58	PK
7206	32.55	7.31	H	39.86	53.98	14.12	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Operation Mode: CH Mid(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4880	49.64	-1.87	V	47.77	73.98	26.21	PK
4880	35.90	-1.87	V	34.03	53.98	19.95	AV
7320	46.03	7.35	V	53.38	73.98	20.60	PK
7320	32.67	7.35	V	40.02	53.98	13.96	AV
4880	49.80	-1.87	H	47.93	73.98	26.05	PK
4880	35.97	-1.87	H	34.10	53.98	19.88	AV
7320	46.71	7.35	H	54.06	73.98	19.92	PK
7320	32.77	7.35	H	40.18	53.98	13.86	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.



Operation Mode: CH High(LE Mode)

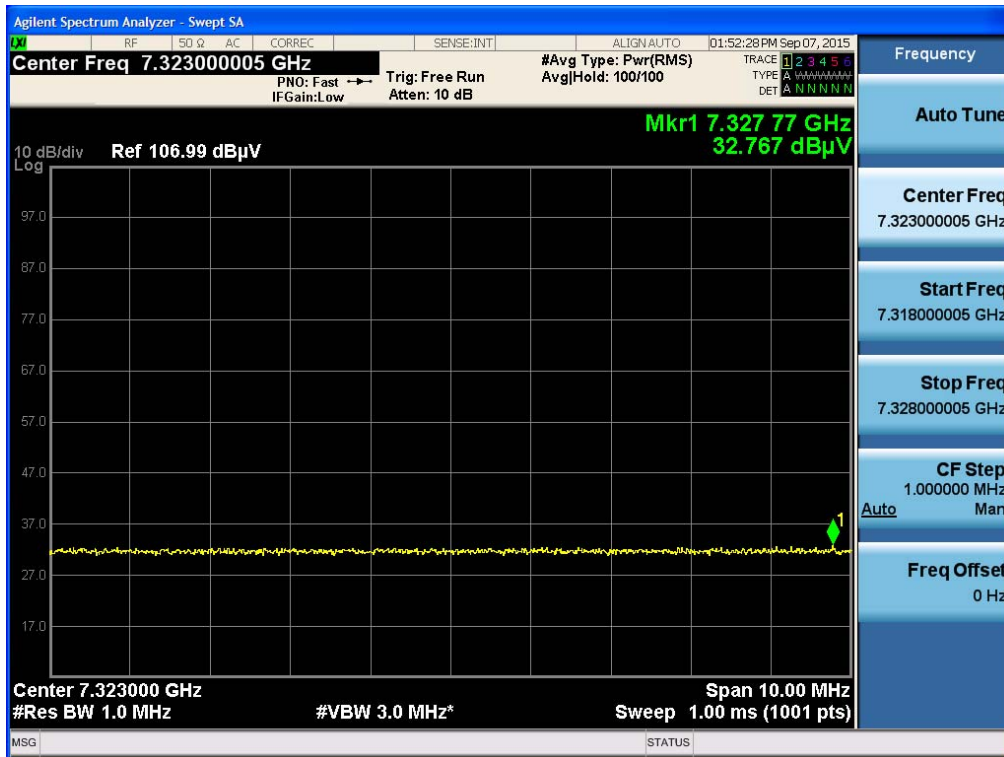
Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.35	-1.84	V	48.51	73.98	25.47	PK
4960	36.17	-1.84	V	34.33	53.98	19.65	AV
7440	46.43	7.13	V	53.56	73.98	20.42	PK
7440	32.36	7.13	V	39.49	53.98	14.49	AV
4960	50.45	-1.84	H	48.61	73.98	25.37	PK
4960	36.25	-1.84	H	34.41	53.98	19.57	AV
7440	46.56	7.13	H	53.69	73.98	20.29	PK
7440	32.42	7.13	H	39.55	53.98	14.43	AV

**Notes:**

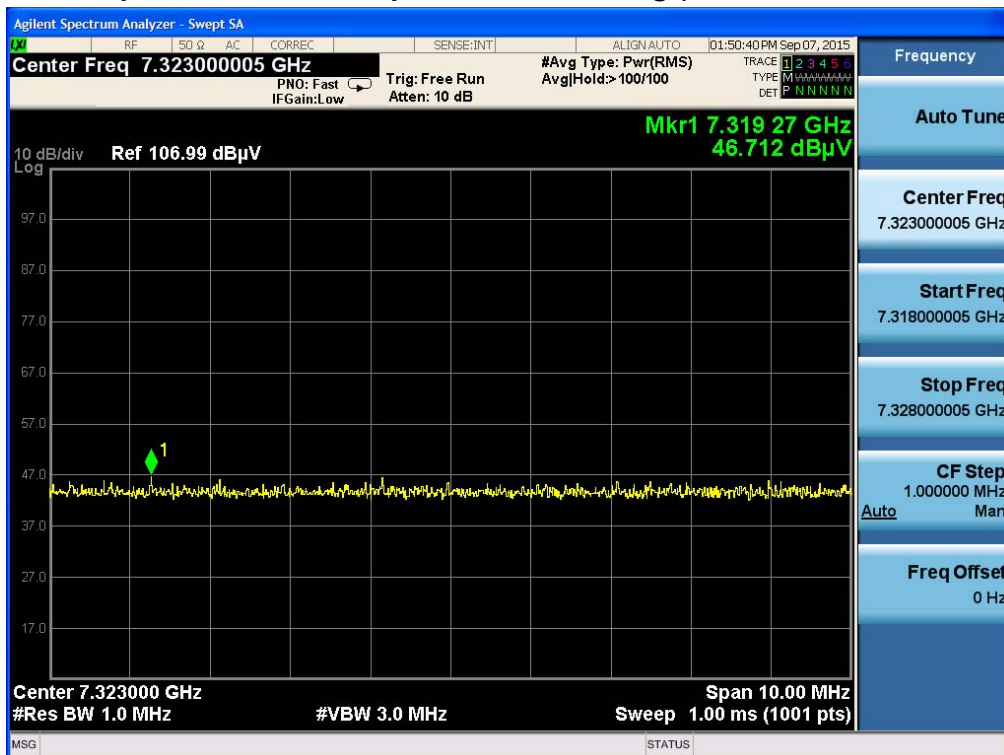
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

▣ RESULT PLOTS

Radiated Spurious Emissions plot – Average Reading (LE, Mid Ch. 3rd Harmonic)



Radiated Spurious Emissions plot – Peak Reading (LE, Mid Ch. 3rd Harmonic)



Note : Only the worst case plots for Radiated Spurious Emissions.

**With wireless charging pad(CT 06801)**

**Above 1 GHz**

Operation Mode: CH Low(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	48.93	-2.16	V	46.77	73.98	27.21	PK
4804	35.33	-2.16	V	33.17	53.98	20.81	AV
7206	45.96	7.31	V	53.27	73.98	20.71	PK
7206	32.47	7.31	V	39.78	53.98	14.20	AV
4804	49.05	-2.16	H	46.89	73.98	27.09	PK
4804	35.42	-2.16	H	33.26	53.98	20.72	AV
7206	46.04	7.31	H	53.35	73.98	20.63	PK
7206	32.54	7.31	H	39.85	53.98	14.13	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Operation Mode: CH Mid(LE Mode)

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4880	49.63	-1.87	V	47.76	73.98	26.22	PK
4880	35.89	-1.87	V	34.02	53.98	19.96	AV
7320	46.02	7.35	V	53.37	73.98	20.61	PK
7320	32.66	7.35	V	40.01	53.98	13.97	AV
4880	49.75	-1.87	H	47.88	73.98	26.10	PK
4880	35.96	-1.87	H	34.09	53.98	19.89	AV
7320	46.61	7.35	H	53.963	73.98	20.02	PK
7320	32.81	7.35	H	40.16	53.98	13.82	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Operation Mode: CH High(LE Mode)

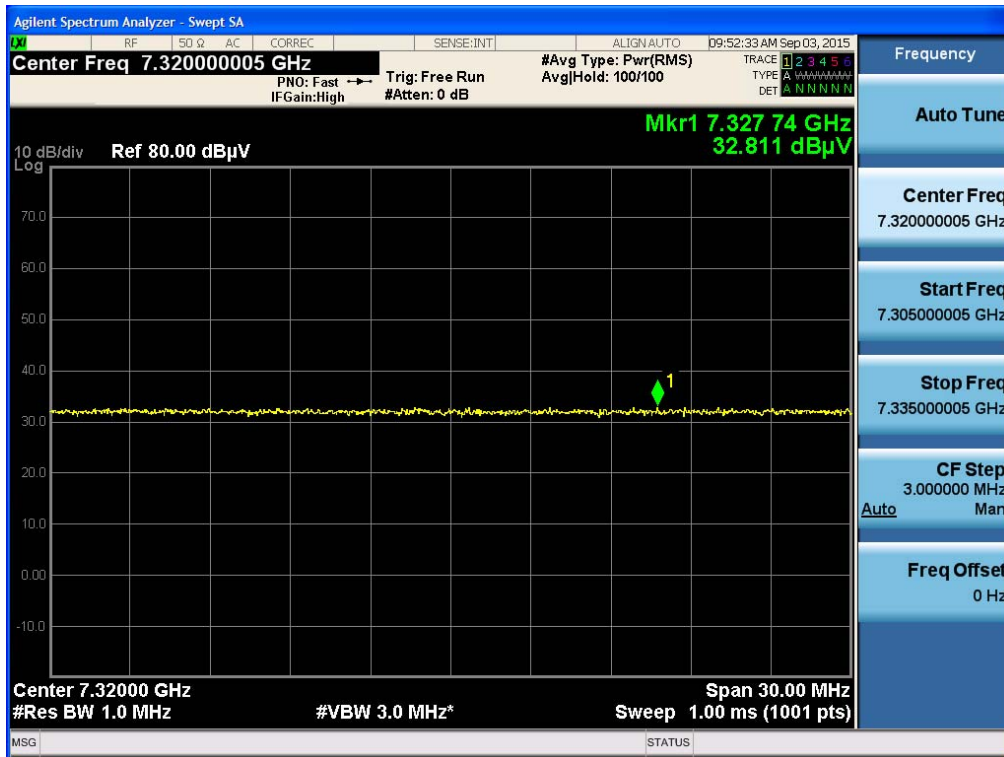
Frequency [MHz]	Reading [dBuV/m]	A.F.+CL-AMP G [dBm]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.34	-1.84	V	48.50	73.98	25.48	PK
4960	36.16	-1.84	V	34.32	53.98	19.66	AV
7440	46.42	7.13	V	53.55	73.98	20.43	PK
7440	32.35	7.13	V	39.48	53.98	14.50	AV
4960	50.40	-1.84	H	48.56	73.98	25.42	PK
4960	36.24	-1.84	H	34.4	53.98	19.58	AV
7440	46.51	7.13	H	53.64	73.98	20.34	PK
7440	32.41	7.13	H	39.54	53.98	14.44	AV

**Notes:**

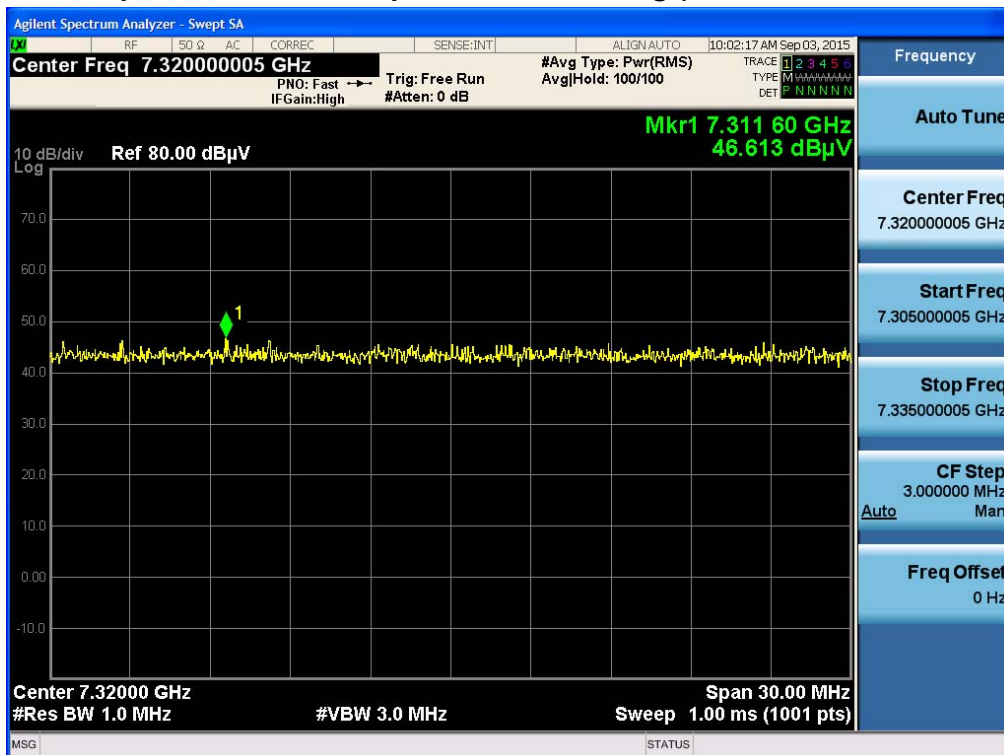
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. The Reading values are already added value of the duty cycle factor.
5. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

RESULT PLOTS

Radiated Spurious Emissions plot – Average Reading (LE, Mid Ch. 3rd Harmonic)



Radiated Spurious Emissions plot – Peak Reading (LE, Mid Ch. 3rd Harmonic)



Note : Only the worst case plots for Radiated Spurious Emissions.

### 8.6.2 RADIATED RESTRICTED BAND EDGES

#### Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

#### Standalone with normal cover

Operation Mode	BT_LE
Operating Frequency	2402 MHz
Channel No	0 Ch

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	24.97	31.47	H	56.44	73.98	17.54	PK
2390.0	18.34	31.47	H	49.81	53.98	4.17	AV
2390.0	24.84	31.47	V	56.31	73.98	17.67	PK
2390.0	18.22	31.47	V	49.69	53.98	4.29	AV

#### Notes:

1. Frequency range of measurement = 2310 MHz ~ 2390 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

Operation Mode	BT_LE
Operating Frequency	2480 MHz
Channel No	39 Ch

Frequency [MHz]	Reading [dBUV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
2483.5	25.98	31.46	H	57.44	73.98	16.54	PK
2483.5	18.67	31.46	H	50.13	53.98	3.85	AV
2483.5	25.04	31.46	V	56.50	73.98	17.48	PK
2483.5	18.50	31.46	V	49.96	53.98	4.02	AV

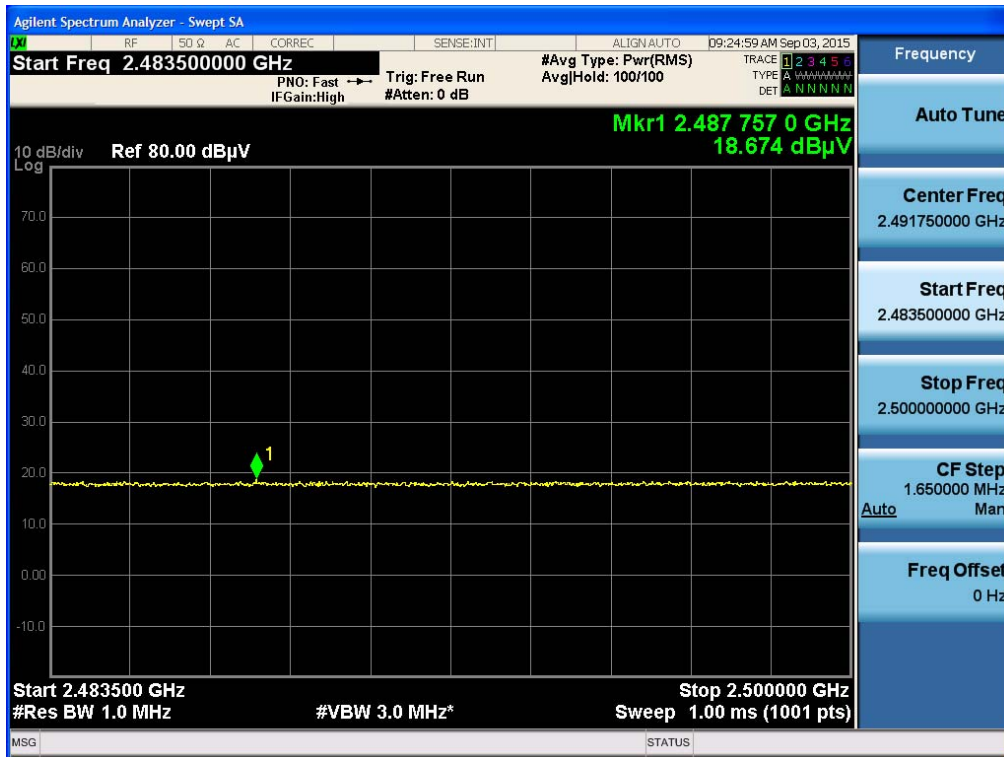
**Notes:**

1. Frequency range of measurement = 2483.5 MHz ~ 2500 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

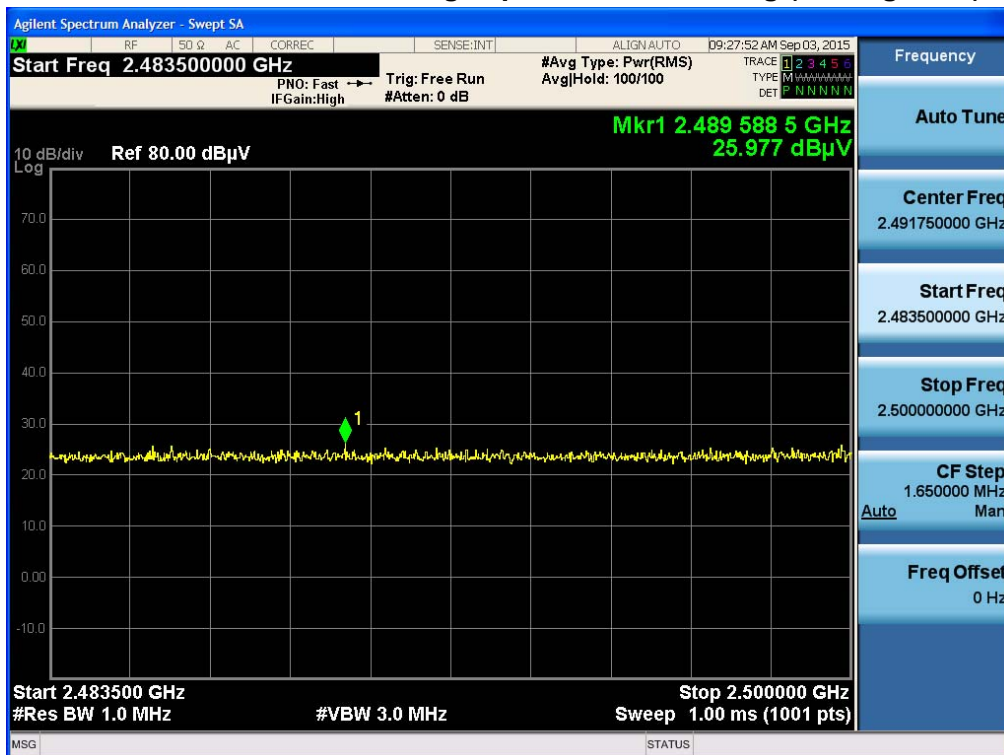


▣ RESULT PLOTS

**Radiated Restricted Band Edges plot – Average Reading (LE, High Ch.)**



**Radiated Restricted Band Edges plot – Peak Reading (LE, High Ch.)**



Note : Only the worst case plots for Radiated Restricted Band Edges.

## Standalone with wireless charging cover

Operation Mode	BT_LE
Operating Frequency	2402 MHz
Channel No	0 Ch

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	24.78	31.47	H	56.25	73.98	17.73	PK
2390.0	18.29	31.47	H	49.76	53.98	4.22	AV
2390.0	24.71	31.47	V	56.18	73.98	17.80	PK
2390.0	18.20	31.47	V	49.67	53.98	4.31	AV

### Notes:

1. Frequency range of measurement = 2310 MHz ~ 2390 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

Operation Mode	BT_LE
Operating Frequency	2480 MHz
Channel No	39 Ch

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	25.46	31.46	H	56.92	73.98	17.06	PK
2483.5	18.62	31.46	H	50.08	53.98	3.90	AV
2483.5	24.89	31.46	V	56.35	73.98	17.63	PK
2483.5	18.41	31.46	V	49.87	53.98	4.11	AV

**Notes:**

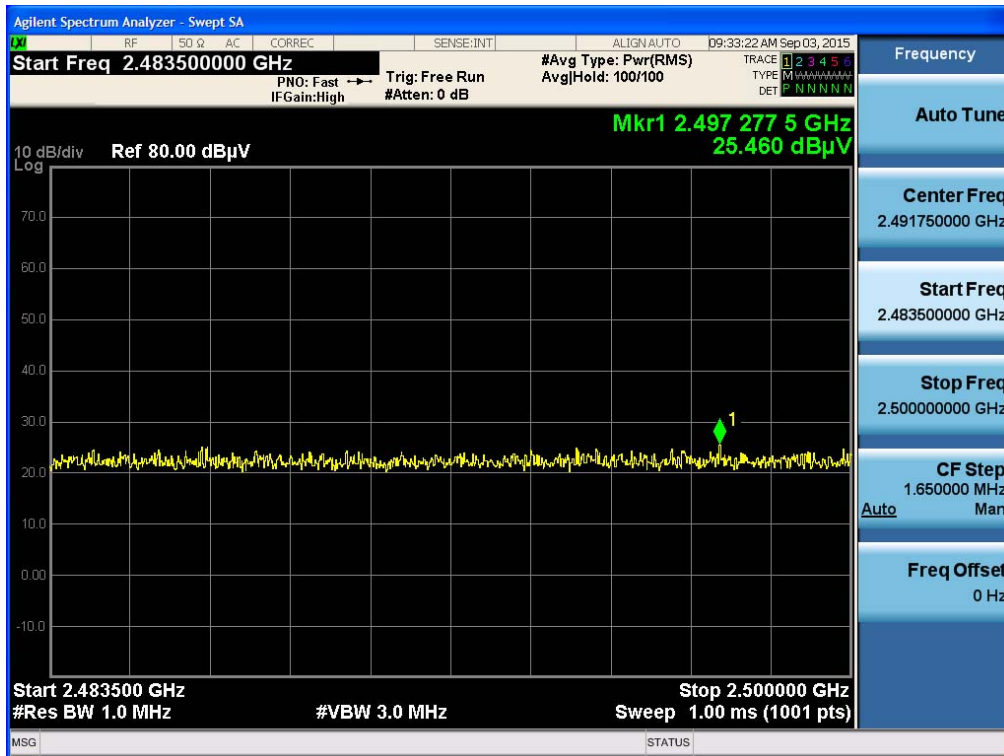
1. Frequency range of measurement = 2483.5 MHz ~ 2500 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

▣ RESULT PLOTS

**Radiated Restricted Band Edges plot – Average Reading (LE, High Ch.)**



**Radiated Restricted Band Edges plot – Peak Reading (LE, High Ch.)**



Note : Only the worst case plots for Radiated Restricted Band Edges.

**With wireless charging pad(WCD-110)**

Operation Mode	BT_LE
Operating Frequency	2402 MHz
Channel No	0 Ch

Frequency [MHz]	Reading [dBuV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	24.89	31.47	H	56.36	73.98	17.62	PK
2390.0	18.39	31.47	H	49.86	53.98	4.12	AV
2390.0	24.78	31.47	V	56.25	73.98	17.73	PK
2390.0	18.30	31.47	V	49.77	53.98	4.21	AV

**Notes:**

1. Frequency range of measurement = 2310 MHz ~ 2390 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

Operation Mode	BT_LE
Operating Frequency	2480 MHz
Channel No	39 Ch

Frequency [MHz]	Reading [dBUV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
2483.5	25.82	31.46	H	57.28	73.98	16.70	PK
2483.5	18.68	31.46	H	50.14	53.98	3.84	AV
2483.5	25.00	31.46	V	56.46	73.98	17.52	PK
2483.5	18.51	31.46	V	49.97	53.98	4.01	AV

**Notes:**

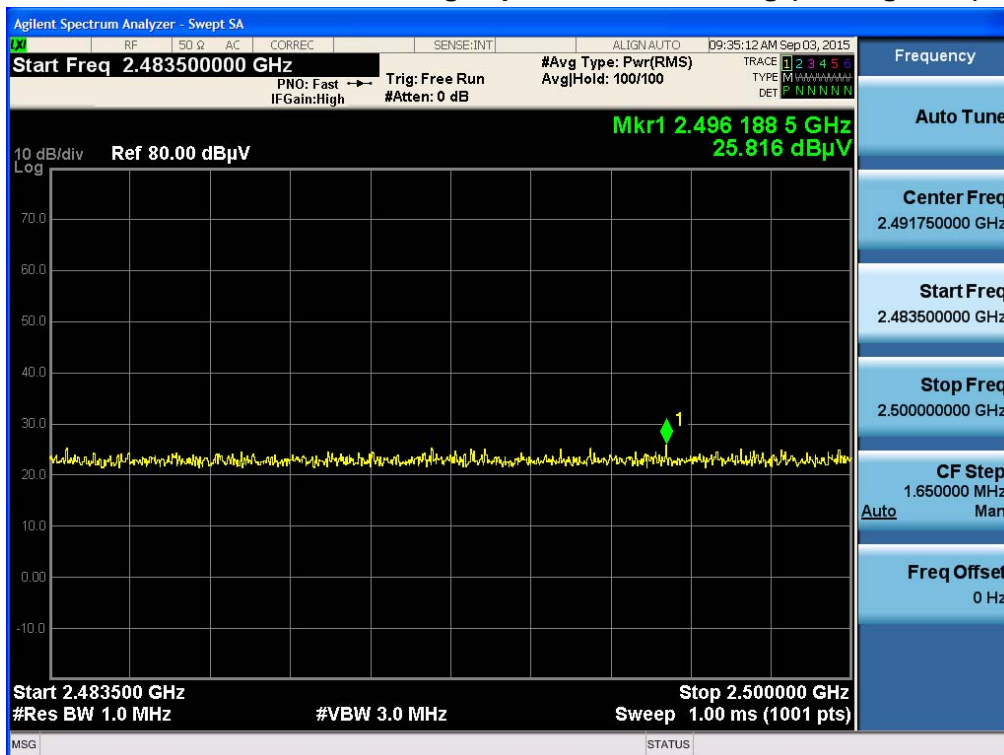
1. Frequency range of measurement = 2483.5 MHz ~ 2500 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

RESULT PLOTS

Radiated Restricted Band Edges plot – Average Reading (LE, High Ch.)



Radiated Restricted Band Edges plot – Peak Reading (LE, High Ch.)



Note : Only the worst case plots for Radiated Restricted Band Edges.

**With wireless charging pad(CT 06801)**

Operation Mode	BT_LE
Operating Frequency	2402 MHz
Channel No	0 Ch

Frequency [MHz]	Reading [dBUV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
2390.0	24.64	31.47	H	56.11	73.98	17.87	PK
2390.0	18.18	31.47	H	49.65	53.98	4.33	AV
2390.0	24.69	31.47	V	56.16	73.98	17.82	PK
2390.0	18.23	31.47	V	49.70	53.98	4.28	AV

**Notes:**

1. Frequency range of measurement = 2310 MHz ~ 2390 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.



Operation Mode	BT_LE
Operating Frequency	2480 MHz
Channel No	39 Ch

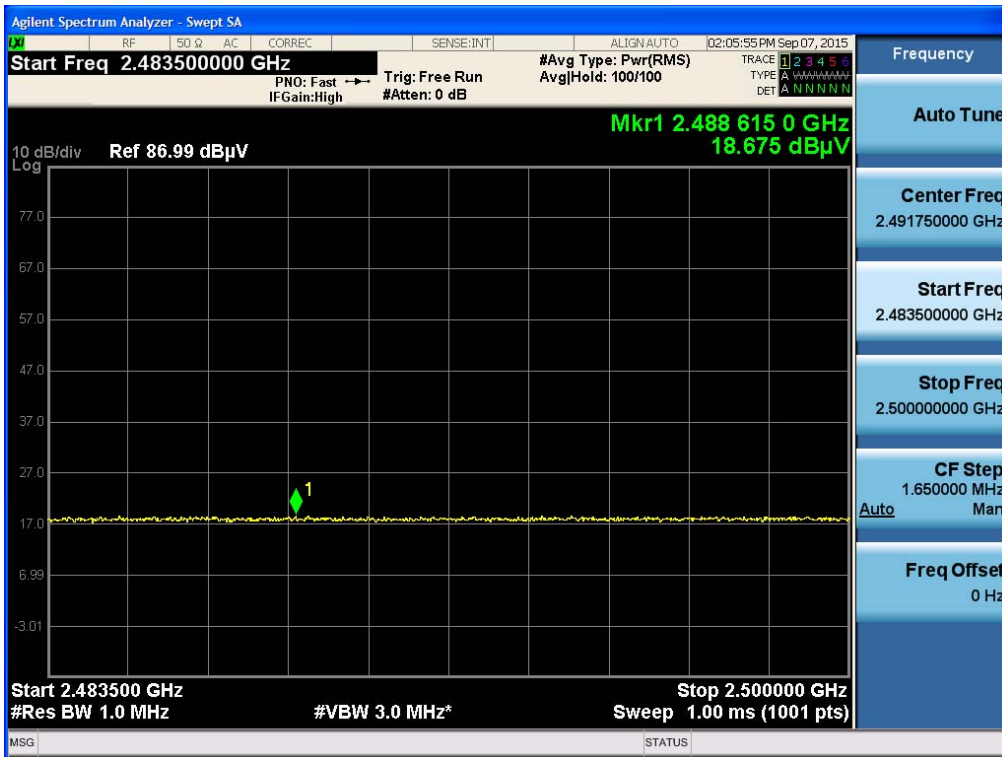
Frequency [MHz]	Reading [dBuV/m]	A.F.+CL [dBm]	Ant. Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	24.87	31.46	H	56.33	73.98	17.65	PK
2483.5	18.43	31.46	H	49.89	53.98	4.09	AV
2483.5	24.97	31.46	V	56.43	73.98	17.55	PK
2483.5	18.68	31.46	V	50.14	53.98	3.84	AV

**Notes:**

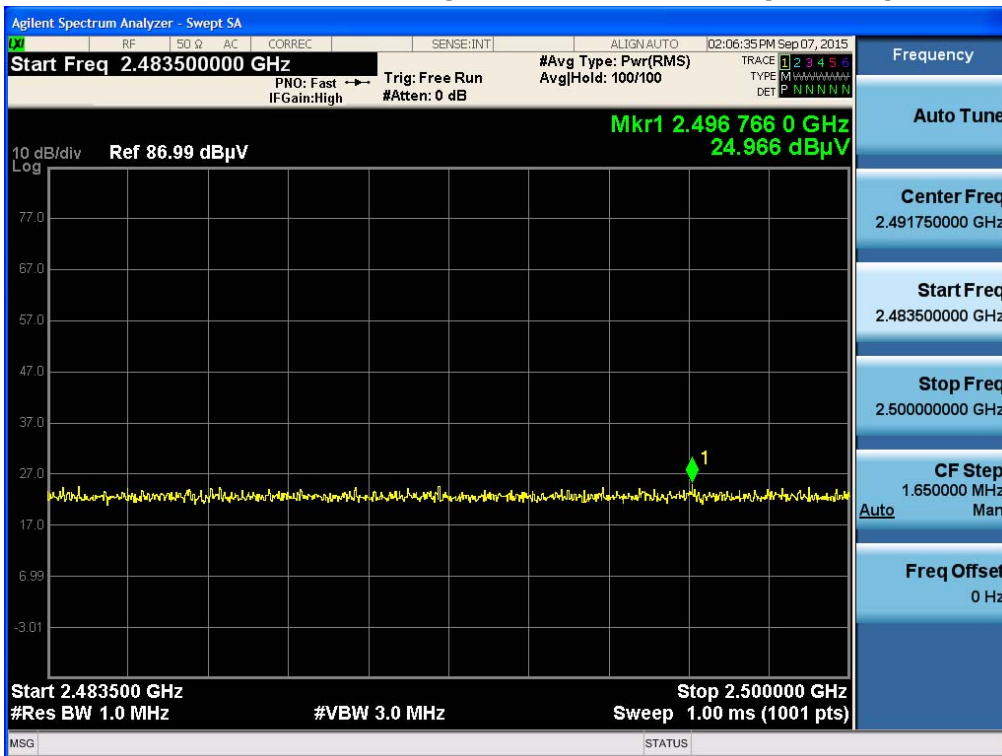
1. Frequency range of measurement = 2483.5 MHz ~ 2500 MHz
2. The Reading values are already added value of the duty cycle factor.
3. Total = Reading Value + Antenna Factor + Cable Loss
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The radiated restricted band edge measurements are measured with a spectrum analyzer connected to the receive antenna while the EUT is transmitting.

RESULT PLOTS

Radiated Restricted Band Edges plot – Average Reading (LE, High Ch.)



Radiated Restricted Band Edges plot – Peak Reading (LE, High Ch.)



Note : Only the worst case plots for Radiated Restricted Band Edges.

## 8.7 POWERLINE CONDUCTED EMISSIONS

### Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dB $\mu$ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

### TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

### Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

■ RESULT PLOTS

Standalone with normal cover

Conducted Emissions (Line 1)

EMI Auto Test(10)

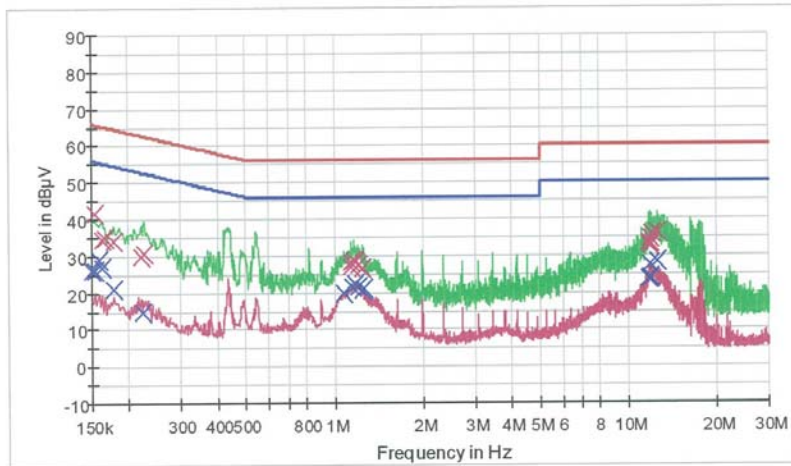
1 / 2

### HCT TEST Report

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_OP     
 — FCCCLASS B\_AV     
 — Preview Result 1-PK+  
— Preview Result 2-AVG     
 X Final Result 1-QPK     
 X Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154000	41.6	9.000	Off	N	9.6	24.2	65.8
0.162000	34.6	9.000	Off	N	9.6	30.8	65.4
0.166000	35.0	9.000	Off	N	9.6	30.2	65.2
0.178000	34.0	9.000	Off	N	9.6	30.6	64.6
0.220000	29.8	9.000	Off	N	9.6	33.0	62.8
0.226000	30.8	9.000	Off	N	9.6	31.8	62.6
1.136000	27.1	9.000	Off	N	9.7	28.9	56.0
1.140000	28.3	9.000	Off	N	9.7	27.7	56.0
1.164000	28.6	9.000	Off	N	9.7	27.4	56.0
1.174000	28.4	9.000	Off	N	9.7	27.6	56.0
1.206000	27.2	9.000	Off	N	9.7	28.8	56.0
1.242000	26.5	9.000	Off	N	9.7	29.5	56.0
11.756000	33.2	9.000	Off	N	10.0	26.8	60.0
11.790000	33.1	9.000	Off	N	10.0	26.9	60.0
11.794000	32.6	9.000	Off	N	10.0	27.4	60.0
11.850000	34.6	9.000	Off	N	10.0	25.4	60.0

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9:36:47

EMI Auto Test(10)

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
11.976000	36.0	9.000	Off	N	10.0	24.0	60.0
12.598000	36.1	9.000	Off	N	10.0	23.9	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	26.1	9.000	Off	N	9.6	29.9	56.0
0.154000	26.0	9.000	Off	N	9.6	29.8	55.8
0.158000	29.1	9.000	Off	N	9.6	26.5	55.6
0.162000	27.0	9.000	Off	N	9.6	28.4	55.4
0.178000	21.1	9.000	Off	N	9.6	33.5	54.6
0.224000	14.8	9.000	Off	N	9.6	37.9	52.7
1.072000	19.8	9.000	Off	N	9.7	26.2	46.0
1.146000	21.4	9.000	Off	N	9.7	24.6	46.0
1.174000	22.2	9.000	Off	N	9.7	23.8	46.0
1.206000	21.5	9.000	Off	N	9.7	24.5	46.0
1.242000	20.6	9.000	Off	N	9.7	25.4	46.0
1.264000	21.0	9.000	Off	N	9.7	25.0	46.0
11.756000	23.5	9.000	Off	N	10.0	26.5	50.0
11.790000	23.5	9.000	Off	N	10.0	26.5	50.0
11.794000	23.9	9.000	Off	N	10.0	26.2	50.0
11.802000	27.4	9.000	Off	N	10.0	22.6	50.0
11.850000	27.4	9.000	Off	N	10.0	22.6	50.0
12.598000	28.4	9.000	Off	N	10.0	21.6	50.0

**Conducted Emissions (Line 2)**

EMI Auto Test(10)

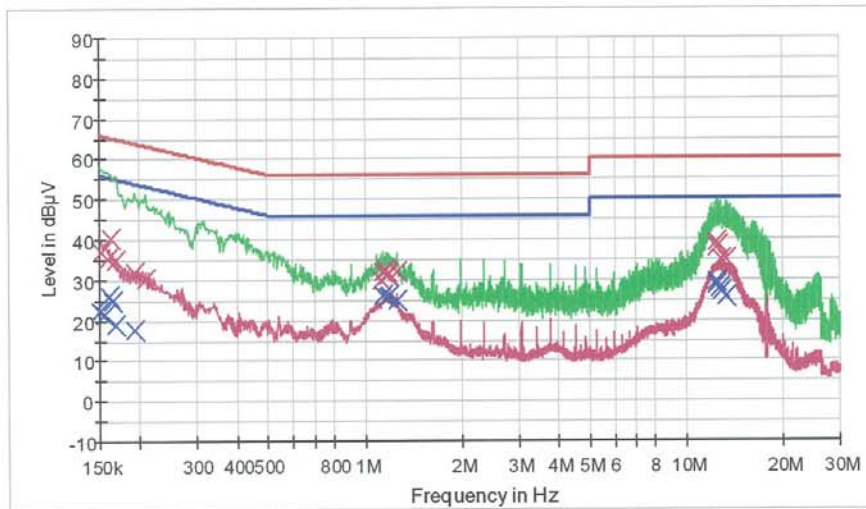
1 / 2

**HCT TEST Report**

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE  
 Operator Name: KS KANG

FCC CLASS B



— FCC CLASS B\_OP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
— Preview Result 2-AVG      x Final Result 1-CPK      x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	36.9	9.000	Off	L1	9.6	29.0	65.9
0.158000	35.4	9.000	Off	L1	9.6	30.2	65.6
0.162000	40.5	9.000	Off	L1	9.6	24.9	65.4
0.168000	34.9	9.000	Off	L1	9.6	30.2	65.1
0.192000	32.1	9.000	Off	L1	9.6	31.8	63.9
0.208000	30.3	9.000	Off	L1	9.6	33.0	63.3
1.126000	30.0	9.000	Off	L1	9.7	26.0	56.0
1.140000	32.2	9.000	Off	L1	9.7	23.8	56.0
1.164000	32.2	9.000	Off	L1	9.7	23.8	56.0
1.178000	31.6	9.000	Off	L1	9.7	24.4	56.0
1.182000	31.2	9.000	Off	L1	9.7	24.8	56.0
1.262000	32.2	9.000	Off	L1	9.7	23.8	56.0
12.462000	39.0	9.000	Off	L1	10.0	21.0	60.0
12.474000	38.0	9.000	Off	L1	10.0	22.0	60.0
12.504000	38.2	9.000	Off	L1	10.0	21.8	60.0
12.512000	38.2	9.000	Off	L1	10.0	21.8	60.0

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10:06:48

EMI Auto Test(10)

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
12.874000	34.9	9.000	Off	L1	10.1	25.1	60.0
13.270000	34.8	9.000	Off	L1	10.1	25.2	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	22.6	9.000	Off	L1	9.6	33.4	56.0
0.156000	21.3	9.000	Off	L1	9.6	34.4	55.7
0.160000	26.3	9.000	Off	L1	9.6	29.2	55.5
0.164000	25.0	9.000	Off	L1	9.6	30.3	55.3
0.168000	19.2	9.000	Off	L1	9.6	35.9	55.1
0.192000	17.6	9.000	Off	L1	9.6	36.3	53.9
1.140000	26.2	9.000	Off	L1	9.7	19.8	46.0
1.174000	25.8	9.000	Off	L1	9.7	20.2	46.0
1.178000	25.7	9.000	Off	L1	9.7	20.3	46.0
1.182000	25.7	9.000	Off	L1	9.7	20.3	46.0
1.186000	26.0	9.000	Off	L1	9.7	20.0	46.0
1.262000	24.8	9.000	Off	L1	9.7	21.2	46.0
12.370000	28.7	9.000	Off	L1	10.0	21.3	50.0
12.462000	29.6	9.000	Off	L1	10.0	20.4	50.0
12.474000	28.6	9.000	Off	L1	10.0	21.4	50.0
12.642000	27.9	9.000	Off	L1	10.1	22.1	50.0
12.874000	27.0	9.000	Off	L1	10.1	23.0	50.0
13.270000	25.9	9.000	Off	L1	10.1	24.1	50.0

9/2/2015

10:06:48

**Standalone with wireless charging cover**  
**Conducted Emissions (Line 1)**

BTLE 2.4G\_N\_ChargeCase

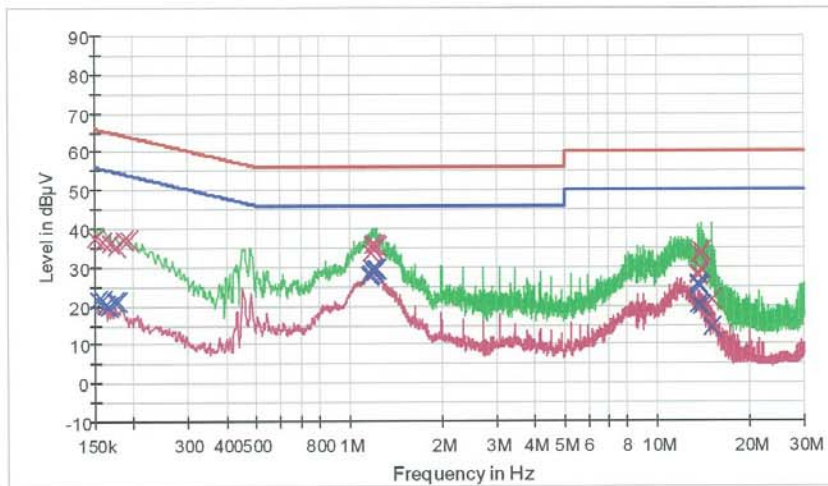
1 / 2

## HCT TEST Report

### Common Information

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE CASE)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_QP     
 — FCCCLASS B\_AV     
 — Preview Result 1-PK+  
— Preview Result 2-AVG     
 X Final Result 1-QPK     
 X Final Result 2-CAV

### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	37.6	9.000	Off	N	9.6	28.4	66.0
0.158000	36.8	9.000	Off	N	9.6	28.8	65.6
0.168000	36.2	9.000	Off	N	9.6	28.9	65.1
0.176000	35.6	9.000	Off	N	9.6	29.1	64.7
0.186000	36.9	9.000	Off	N	9.6	27.3	64.2
0.192000	36.9	9.000	Off	N	9.6	27.0	63.9
1.178000	33.8	9.000	Off	N	9.7	22.2	56.0
1.192000	35.7	9.000	Off	N	9.7	20.3	56.0
1.200000	34.6	9.000	Off	N	9.7	21.4	56.0
1.216000	35.7	9.000	Off	N	9.7	20.3	56.0
1.220000	35.7	9.000	Off	N	9.7	20.3	56.0
1.232000	35.4	9.000	Off	N	9.7	20.6	56.0
13.558000	28.4	9.000	Off	N	10.1	31.6	60.0
13.602000	27.9	9.000	Off	N	10.1	32.1	60.0
13.726000	33.4	9.000	Off	N	10.1	26.6	60.0
13.880000	34.2	9.000	Off	N	10.1	25.8	60.0

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4:27:49



BTLE 2.4G\_N\_ChargeCase

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
13.884000	29.4	9.000	Off	N	10.1	30.6	60.0
15.044000	21.4	9.000	Off	N	10.1	38.6	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.154000	21.4	9.000	Off	N	9.6	34.4	55.8
0.158000	21.4	9.000	Off	N	9.6	34.2	55.6
0.162000	20.3	9.000	Off	N	9.6	35.1	55.4
0.166000	19.8	9.000	Off	N	9.6	35.4	55.2
0.174000	21.3	9.000	Off	N	9.6	33.5	54.8
0.178000	21.2	9.000	Off	N	9.6	33.4	54.6
1.160000	27.9	9.000	Off	N	9.7	18.1	46.0
1.178000	28.4	9.000	Off	N	9.7	17.6	46.0
1.192000	29.3	9.000	Off	N	9.7	16.7	46.0
1.200000	28.6	9.000	Off	N	9.7	17.4	46.0
1.216000	29.6	9.000	Off	N	9.7	16.4	46.0
1.230000	29.7	9.000	Off	N	9.7	16.3	46.0
13.586000	20.1	9.000	Off	N	10.1	29.9	50.0
13.602000	25.1	9.000	Off	N	10.1	24.9	50.0
13.628000	25.7	9.000	Off	N	10.1	24.3	50.0
13.726000	24.9	9.000	Off	N	10.1	25.1	50.0
13.886000	19.7	9.000	Off	N	10.1	30.3	50.0
15.044000	14.4	9.000	Off	N	10.1	35.6	50.0

9/3/2015

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**Conducted Emissions (Line 2)**

BTLE 2.4G\_H\_ChargeCase

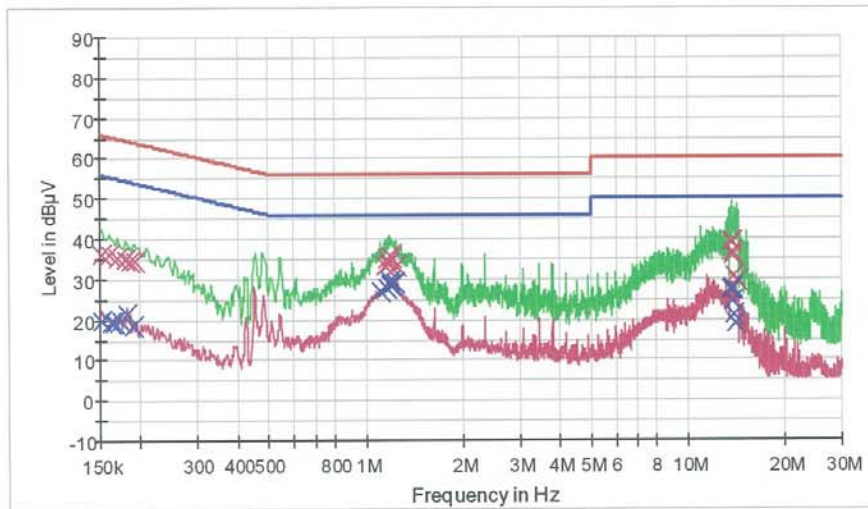
1 / 2

**HCT TEST Report**

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE CASE)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_OP     
 — FCCCLASS B\_AV     
 — Preview Result 1-PK+  
— Preview Result 2-AVG     
 x Final Result 1-CPK     
 x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	36.2	9.000	Off	L1	9.6	29.7	65.9
0.160000	36.2	9.000	Off	L1	9.6	29.3	65.5
0.170000	35.5	9.000	Off	L1	9.6	29.5	65.0
0.180000	34.8	9.000	Off	L1	9.6	29.7	64.5
0.186000	34.5	9.000	Off	L1	9.6	29.7	64.2
0.192000	34.7	9.000	Off	L1	9.6	29.2	63.9
1.146000	33.3	9.000	Off	L1	9.7	22.7	56.0
1.164000	34.8	9.000	Off	L1	9.7	21.2	56.0
1.176000	33.8	9.000	Off	L1	9.7	22.2	56.0
1.192000	35.8	9.000	Off	L1	9.7	20.2	56.0
1.206000	35.4	9.000	Off	L1	9.7	20.6	56.0
1.248000	33.3	9.000	Off	L1	9.7	22.7	56.0
13.634000	39.0	9.000	Off	L1	10.1	21.0	60.0
13.690000	39.2	9.000	Off	L1	10.1	20.8	60.0
13.706000	36.7	9.000	Off	L1	10.1	23.3	60.0
13.794000	35.8	9.000	Off	L1	10.1	24.2	60.0

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4:36:51

BTLE 2.4G\_H\_ChargeCase

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
13.910000	30.9	9.000	Off	L1	10.1	29.1	60.0
14.148000	29.5	9.000	Off	L1	10.1	30.5	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	19.8	9.000	Off	L1	9.6	36.1	55.9
0.162000	19.4	9.000	Off	L1	9.6	36.0	55.4
0.166000	19.4	9.000	Off	L1	9.6	35.8	55.2
0.174000	19.9	9.000	Off	L1	9.6	35.0	54.8
0.182000	21.3	9.000	Off	L1	9.6	33.1	54.4
0.190000	18.4	9.000	Off	L1	9.6	35.6	54.0
1.116000	27.0	9.000	Off	L1	9.7	19.0	46.0
1.164000	27.7	9.000	Off	L1	9.7	18.3	46.0
1.188000	28.5	9.000	Off	L1	9.7	17.5	46.0
1.192000	29.4	9.000	Off	L1	9.7	16.6	46.0
1.210000	28.8	9.000	Off	L1	9.7	17.2	46.0
1.230000	29.0	9.000	Off	L1	9.7	17.0	46.0
13.634000	27.4	9.000	Off	L1	10.1	22.6	50.0
13.690000	27.3	9.000	Off	L1	10.1	22.7	50.0
13.706000	27.7	9.000	Off	L1	10.1	22.3	50.0
13.794000	24.3	9.000	Off	L1	10.1	25.7	50.0
13.910000	21.1	9.000	Off	L1	10.1	28.9	50.0
14.042000	18.9	9.000	Off	L1	10.1	31.1	50.0

**With wireless charging pad(WCD-110)**

**Conducted Emissions (Line 1)**

EMI Auto Test(10)

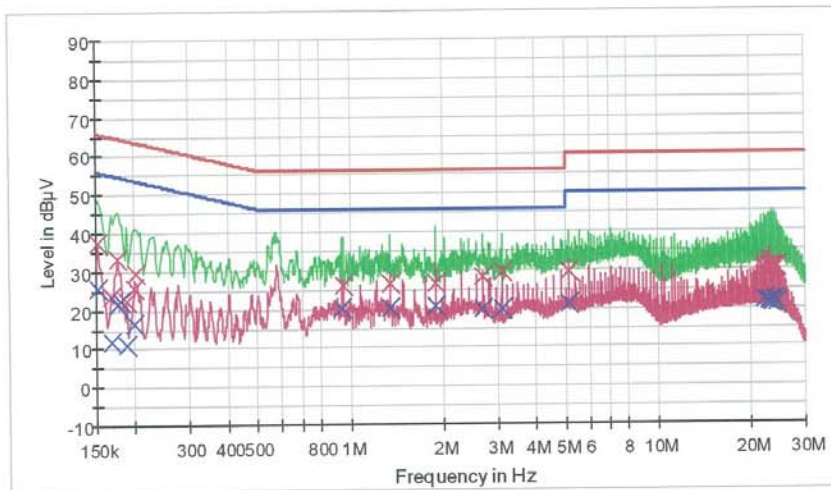
1 / 2

## HCT TEST Report

### Common Information

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE PAD\_#1)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_QP     
 — FCCCLASS B\_AV     
 — Preview Result 1-PK+  
— Preview Result 2-AVG     
 x Final Result 1-QPK     
 x Final Result 2-CAV

### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	37.3	9.000	Off	N	9.6	28.6	65.9
0.168000	23.8	9.000	Off	N	9.6	41.3	65.1
0.176000	33.3	9.000	Off	N	9.6	31.4	64.7
0.188000	22.4	9.000	Off	N	9.6	41.7	64.1
0.198000	25.7	9.000	Off	N	9.6	38.0	63.7
0.202000	29.3	9.000	Off	N	9.6	34.2	63.5
0.946000	25.1	9.000	Off	N	9.7	29.9	56.0
1.352000	26.5	9.000	Off	N	9.7	29.5	56.0
1.888000	26.7	9.000	Off	N	9.7	29.3	56.0
2.700000	28.2	9.000	Off	N	9.7	27.8	56.0
3.104000	29.4	9.000	Off	N	9.8	26.6	56.0
5.126000	29.7	9.000	Off	N	9.8	30.3	60.0
22.018000	30.1	9.000	Off	N	10.3	29.9	60.0
22.958000	30.2	9.000	Off	N	10.3	29.8	60.0
23.364000	30.3	9.000	Off	N	10.3	29.7	60.0
23.640000	30.4	9.000	Off	N	10.3	29.6	60.0

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
24.042000	30.4	9.000	Off	N	10.3	29.6	60.0
24.304000	30.2	9.000	Off	N	10.3	29.8	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	25.6	9.000	Off	N	9.6	30.3	55.9
0.168000	11.8	9.000	Off	N	9.6	43.3	55.1
0.176000	21.6	9.000	Off	N	9.6	33.1	54.7
0.180000	22.2	9.000	Off	N	9.6	32.3	54.5
0.188000	10.9	9.000	Off	N	9.6	43.2	54.1
0.200000	16.6	9.000	Off	N	9.6	37.0	53.6
0.944000	20.3	9.000	Off	N	9.7	25.7	46.0
1.352000	20.4	9.000	Off	N	9.7	25.6	46.0
1.886000	20.5	9.000	Off	N	9.7	25.5	46.0
2.700000	20.0	9.000	Off	N	9.7	26.0	46.0
3.104000	19.7	9.000	Off	N	9.8	26.3	46.0
5.126000	21.2	9.000	Off	N	9.8	28.8	50.0
22.018000	22.0	9.000	Off	N	10.3	28.0	50.0
22.958000	21.3	9.000	Off	N	10.3	28.7	50.0
23.234000	21.4	9.000	Off	N	10.3	28.6	50.0
23.364000	21.3	9.000	Off	N	10.3	28.7	50.0
24.042000	21.9	9.000	Off	N	10.3	28.1	50.0
24.304000	21.2	9.000	Off	N	10.3	28.8	50.0

**Conducted Emissions (Line 2)**

EMI Auto Test(10)

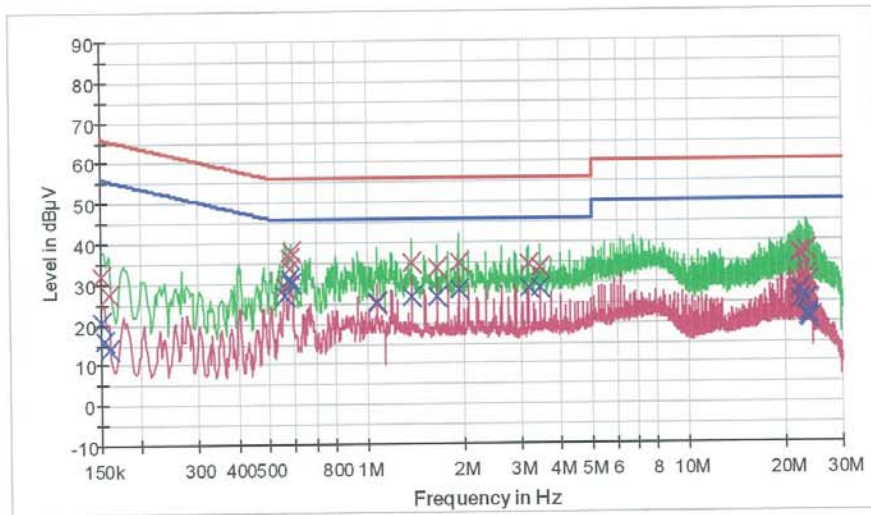
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**HCT TEST Report**

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE PAD\_#1)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_OP      — FCCCLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      x Final Result 1-QPK      x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.2	9.000	Off	L1	9.6	33.8	66.0
0.158000	27.4	9.000	Off	L1	9.6	38.2	65.6
0.560000	29.0	9.000	Off	L1	9.7	27.0	56.0
0.576000	33.8	9.000	Off	L1	9.7	22.2	56.0
0.580000	36.4	9.000	Off	L1	9.7	19.6	56.0
0.584000	38.0	9.000	Off	L1	9.7	18.0	56.0
1.076000	24.8	9.000	Off	L1	9.7	31.2	56.0
1.378000	35.0	9.000	Off	L1	9.7	21.0	56.0
1.652000	33.8	9.000	Off	L1	9.7	22.2	56.0
1.928000	35.0	9.000	Off	L1	9.7	21.0	56.0
3.172000	34.3	9.000	Off	L1	9.8	21.7	56.0
3.446000	33.9	9.000	Off	L1	9.8	22.1	56.0
22.004000	36.5	9.000	Off	L1	10.3	23.5	60.0
22.134000	37.0	9.000	Off	L1	10.3	23.0	60.0
23.072000	37.3	9.000	Off	L1	10.3	22.7	60.0
23.076000	31.1	9.000	Off	L1	10.3	28.9	60.0

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EMI Auto Test(10)

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
23.478000	29.5	9.000	Off	L1	10.3	30.5	60.0
23.746000	29.7	9.000	Off	L1	10.3	30.3	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	20.5	9.000	Off	L1	9.6	35.5	56.0
0.154000	16.1	9.000	Off	L1	9.6	39.7	55.8
0.158000	13.9	9.000	Off	L1	9.6	41.7	55.6
0.556000	26.9	9.000	Off	L1	9.7	19.1	46.0
0.580000	31.0	9.000	Off	L1	9.7	15.0	46.0
0.584000	29.8	9.000	Off	L1	9.7	16.2	46.0
1.076000	25.4	9.000	Off	L1	9.7	20.6	46.0
1.378000	26.4	9.000	Off	L1	9.7	19.6	46.0
1.652000	26.7	9.000	Off	L1	9.7	19.3	46.0
1.930000	28.3	9.000	Off	L1	9.7	17.7	46.0
3.172000	28.5	9.000	Off	L1	9.8	17.5	46.0
3.446000	28.7	9.000	Off	L1	9.8	17.3	46.0
22.004000	25.4	9.000	Off	L1	10.3	24.6	50.0
22.134000	28.0	9.000	Off	L1	10.3	22.0	50.0
23.076000	25.5	9.000	Off	L1	10.3	24.5	50.0
23.348000	21.8	9.000	Off	L1	10.3	28.2	50.0
23.478000	21.0	9.000	Off	L1	10.3	29.0	50.0
23.746000	20.6	9.000	Off	L1	10.3	29.4	50.0

**With wireless charging pad(CT 06801)**

**Conducted Emissions (Line 1)**

EMI Auto Test(10)

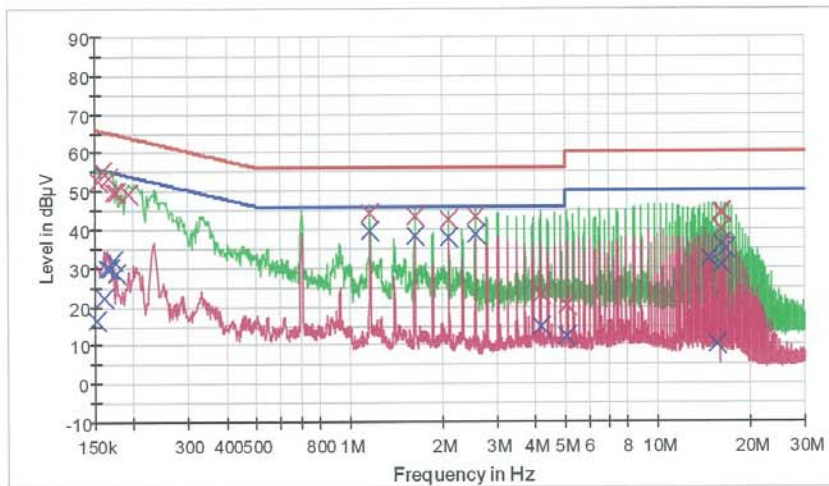
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## HCT TEST Report

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE PAD\_#2)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_QP     
 — FCCCLASS B\_AV     
 — Preview Result 1-PK+  
— Preview Result 2-AVG     
 x Final Result 1-QPK     
 x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154000	52.8	9.000	Off	N	9.6	13.0	65.8
0.158000	55.3	9.000	Off	N	9.6	10.3	65.6
0.166000	53.2	9.000	Off	N	9.6	12.0	65.2
0.172000	49.7	9.000	Off	N	9.6	15.2	64.9
0.176000	49.5	9.000	Off	N	9.6	15.2	64.7
0.192000	49.2	9.000	Off	N	9.6	14.7	63.9
1.166000	44.1	9.000	Off	N	9.7	11.9	56.0
1.632000	43.5	9.000	Off	N	9.7	12.5	56.0
2.098000	42.7	9.000	Off	N	9.7	13.3	56.0
2.566000	43.2	9.000	Off	N	9.7	12.8	56.0
4.166000	23.1	9.000	Off	N	9.8	32.9	56.0
5.096000	20.1	9.000	Off	N	9.8	39.9	60.0
15.510000	17.6	9.000	Off	N	10.1	42.4	60.0
15.516000	17.9	9.000	Off	N	10.1	42.1	60.0
16.070000	40.1	9.000	Off	N	10.2	19.9	60.0
16.094000	44.5	9.000	Off	N	10.2	15.5	60.0

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
16.098000	44.7	9.000	Off	N	10.2	15.3	60.0
16.104000	44.1	9.000	Off	N	10.2	15.9	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	16.4	9.000	Off	N	9.6	39.5	55.9
0.160000	22.2	9.000	Off	N	9.6	33.3	55.5
0.164000	29.8	9.000	Off	N	9.6	25.5	55.3
0.168000	29.8	9.000	Off	N	9.6	25.3	55.1
0.172000	32.0	9.000	Off	N	9.6	22.9	54.9
0.176000	28.5	9.000	Off	N	9.6	26.2	54.7
1.166000	39.6	9.000	Off	N	9.7	6.4	46.0
1.634000	38.3	9.000	Off	N	9.7	7.7	46.0
2.100000	38.0	9.000	Off	N	9.7	8.0	46.0
2.566000	38.7	9.000	Off	N	9.7	7.3	46.0
4.166000	14.6	9.000	Off	N	9.8	31.4	46.0
5.092000	12.1	9.000	Off	N	9.8	37.9	50.0
14.680000	32.5	9.000	Off	N	10.1	17.5	50.0
15.510000	10.1	9.000	Off	N	10.1	39.9	50.0
15.516000	10.2	9.000	Off	N	10.1	39.8	50.0
16.094000	36.4	9.000	Off	N	10.2	13.6	50.0
16.104000	30.9	9.000	Off	N	10.2	19.1	50.0
16.558000	34.8	9.000	Off	N	10.2	15.2	50.0

**Conducted Emissions (Line 2)**

EMI Auto Test(10)

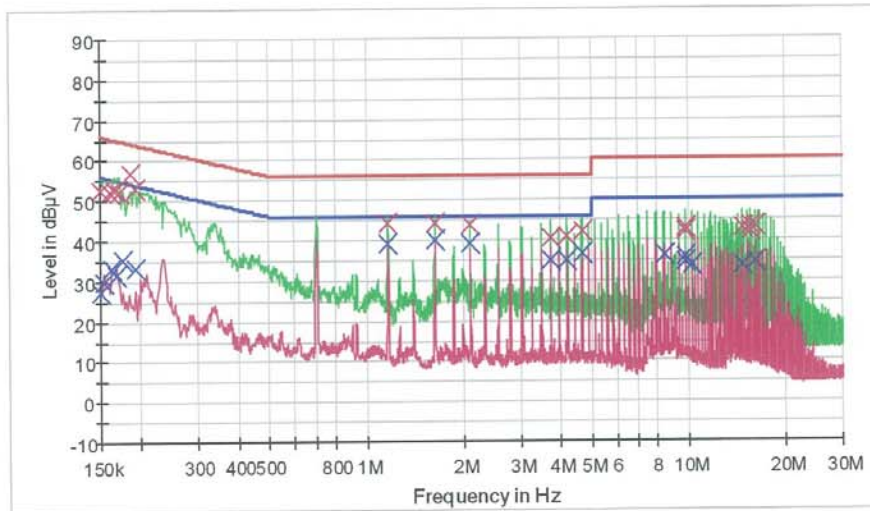
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**HCT TEST Report**

**Common Information**

EUT: LG-H960  
 Manufacturer: LG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE MODE (WIRELESS CHARGE PAD\_#2)  
 Operator Name: KS KANG

FCC CLASS B



— FCCCLASS B\_OP      — FCCCLASS B\_AV      — Preview Result 1-1PK+  
— Preview Result 2-AVG      x Final Result 1-1PK+      x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	52.6	9.000	Off	L1	9.6	13.4	66.0
0.160000	52.2	9.000	Off	L1	9.6	13.3	65.5
0.166000	52.8	9.000	Off	L1	9.6	12.4	65.2
0.172000	52.1	9.000	Off	L1	9.6	12.8	64.9
0.186000	56.8	9.000	Off	L1	9.6	7.4	64.2
0.192000	53.1	9.000	Off	L1	9.6	10.8	63.9
1.166000	44.2	9.000	Off	L1	9.7	11.8	56.0
1.632000	44.3	9.000	Off	L1	9.7	11.7	56.0
2.100000	43.8	9.000	Off	L1	9.7	12.2	56.0
3.732000	40.2	9.000	Off	L1	9.8	15.8	56.0
4.200000	40.9	9.000	Off	L1	9.8	15.1	56.0
4.660000	41.9	9.000	Off	L1	9.8	14.1	56.0
9.790000	42.7	9.000	Off	L1	10.0	17.3	60.0
9.796000	42.2	9.000	Off	L1	10.0	17.8	60.0
14.694000	43.1	9.000	Off	L1	10.1	16.9	60.0
15.608000	42.2	9.000	Off	L1	10.2	17.8	60.0

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EMI Auto Test(10)

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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
15.618000	43.4	9.000	Off	L1	10.2	16.6	60.0
16.092000	43.6	9.000	Off	L1	10.2	16.4	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	27.5	9.000	Off	L1	9.6	28.5	56.0
0.154000	29.8	9.000	Off	L1	9.6	26.0	55.8
0.162000	33.3	9.000	Off	L1	9.6	22.1	55.4
0.168000	31.8	9.000	Off	L1	9.6	23.3	55.1
0.176000	35.2	9.000	Off	L1	9.6	19.5	54.7
0.192000	33.4	9.000	Off	L1	9.6	20.5	53.9
1.168000	39.4	9.000	Off	L1	9.7	6.6	46.0
1.632000	40.0	9.000	Off	L1	9.7	6.0	46.0
2.100000	39.2	9.000	Off	L1	9.7	6.8	46.0
3.732000	34.9	9.000	Off	L1	9.8	11.1	46.0
4.200000	34.9	9.000	Off	L1	9.8	11.1	46.0
4.664000	36.7	9.000	Off	L1	9.8	9.3	46.0
8.396000	36.3	9.000	Off	L1	9.9	13.7	50.0
9.790000	35.8	9.000	Off	L1	10.0	14.2	50.0
9.796000	34.6	9.000	Off	L1	10.0	15.4	50.0
10.254000	33.8	9.000	Off	L1	10.0	16.2	50.0
14.694000	33.9	9.000	Off	L1	10.1	16.1	50.0
16.092000	34.6	9.000	Off	L1	10.2	15.4	50.0

## 9. LIST OF TEST EQUIPMENT

### 9.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216/ LISN	01/13/2015	Annual	100073
Agilent	E4440A/ Spectrum Analyzer	03/18/2015	Annual	US45303008
Agilent	N9020A / SIGNAL ANALYZER	06/30/2015	Annual	MY51110085
Agilent	N9020A / SIGNAL ANALYZER	07/02/2015	Annual	MY50510304
Agilent	N1911A/Power Meter	07/09/2015	Annual	MY45100523
Agilent	N1921A /POWER SENSOR	07/09/2015	Annual	MY45241059
Agilent	87300B/Directional Coupler	12/08/2014	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	04/30/2015	Annual	11275
ITECH	IT6720 / DC POWER SUPPLY	11/04/2014	Annual	010002156287001199
Agilent	8493C / Attenuator(10 dB)	07/21/2015	Annual	07560

**9.2 LIST OF TEST EQUIPMENT(Radiated Test)**

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Schwarzbeck	VULB 9160/ TRILOG Antenna	10/10/2014	Biennial	3368
HD	MA240/ Antenna Position Tower	N/A	N/A	556
EMCO	1050/ Turn Table	N/A	N/A	114
HD GmbH	HD 100/ Controller	N/A	N/A	13
HD GmbH	KMS 560/ SlideBar	N/A	N/A	12
CERNEX	CBL18265035 / POWER AMP	07/27/2015	Annual	22966
Schwarzbeck	BBHA 9120D/ Horn Antenna	05/07/2015	Biennial	937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	04/30/2015	Biennial	BBHA9170124
Rohde & Schwarz	FSP / Spectrum Analyzer	10/23/2014	Annual	836650/016
Wainwright Instrument	WHF3.0/18G-10EF / High Pass Filter	06/28/2015	Annual	8
Wainwright Instrument	WRCJ2400/2483.5-2370/2520-60/14SS / Band Reject Filter	06/15/2015	Annual	1
Rohde & Schwarz	LOOP ANTENNA	09/03/2014	Biennial	1513-175
CERNEX	CBL06185030 / POWER AMP	07/21/2015	Annual	22965
CERNEX	CBLU1183540 / POWER AMP	07/21/2015	Annual	22964