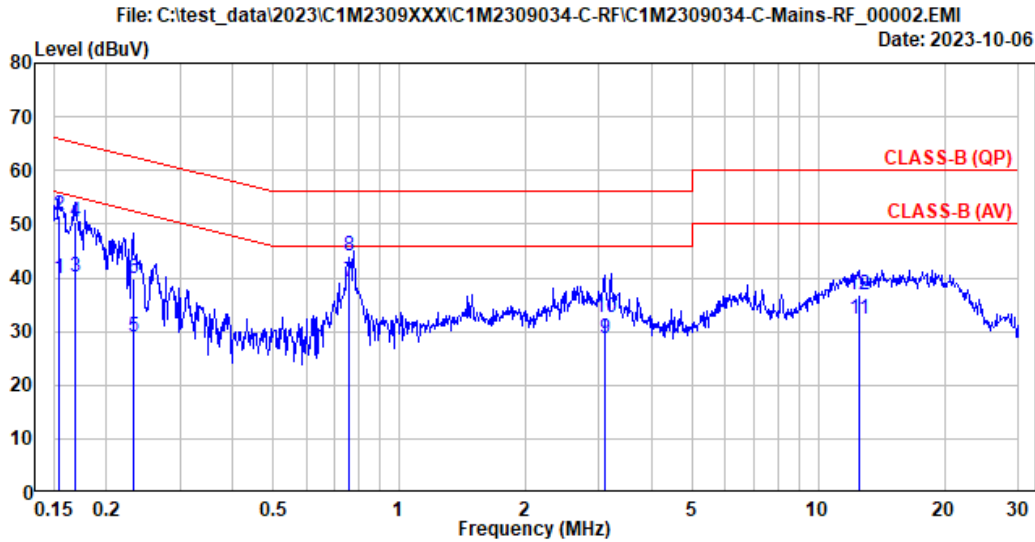


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## A.1 CONDUCTED EMISSION

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 1 with LG (INPAQ), WA-P-LELE-04-009		

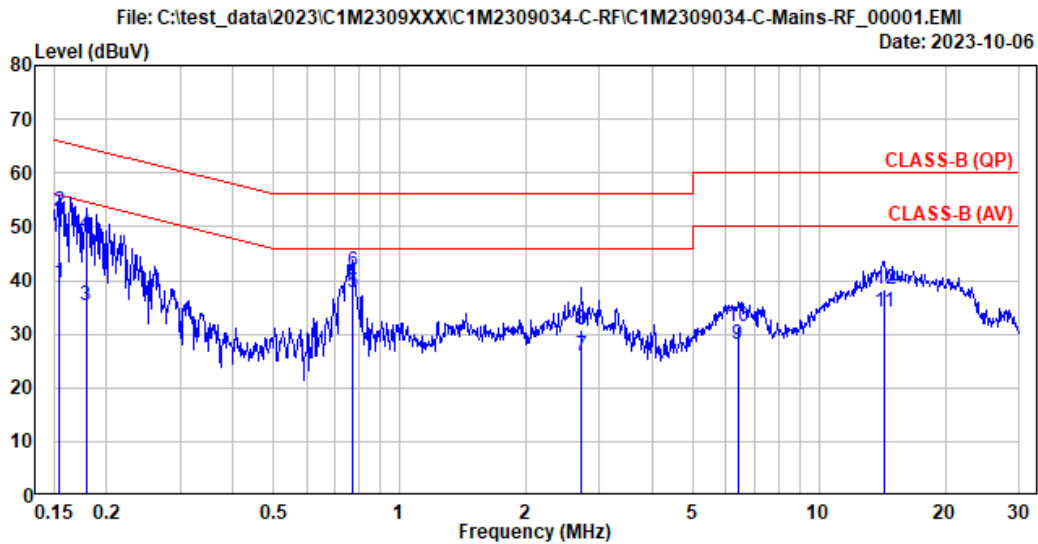


Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Neutral
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating Inpaq		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.154	10.30	0.03	9.85	19.73	39.91	55.79	15.88	Average
2	0.154	10.30	0.03	9.85	31.37	51.55	65.79	14.24	QP
3	0.168	10.30	0.03	9.85	19.89	40.07	55.05	14.98	Average
4	0.168	10.30	0.03	9.85	30.09	50.27	65.05	14.78	QP
5	0.231	10.29	0.03	9.85	8.74	28.91	52.40	23.49	Average
6	0.231	10.29	0.03	9.85	19.71	39.88	62.40	22.52	QP
7	0.758	10.29	0.04	9.85	19.21	39.39	46.00	6.61	Average
8	0.758	10.29	0.04	9.85	23.78	43.96	56.00	12.04	QP
9	3.091	10.35	0.07	9.86	8.52	28.80	46.00	17.20	Average
10	3.091	10.35	0.07	9.86	12.47	32.75	56.00	23.25	QP
11	12.478	10.70	0.15	9.90	11.62	32.37	50.00	17.63	Average
12	12.478	10.70	0.15	9.90	15.97	36.72	60.00	23.28	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 1 with LG (INPAQ), WA-P-LELE-04-009		



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Line
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating Inpaq		

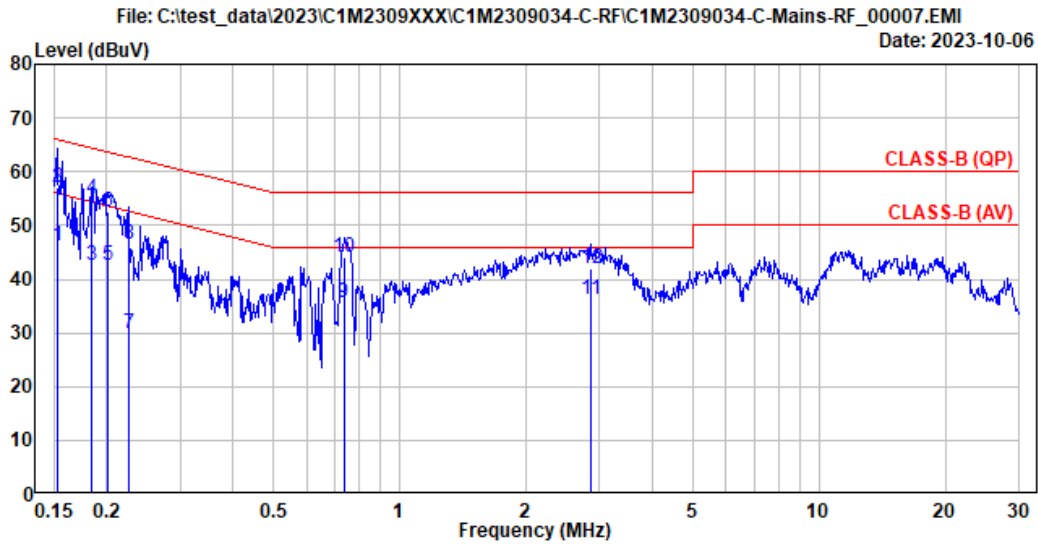
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.155	10.30	0.03	9.85	19.51	39.69	55.75	16.06	Average
2	0.155	10.30	0.03	9.85	32.65	52.83	65.75	12.92	QP
3	0.179	10.29	0.03	9.85	15.11	35.28	54.55	19.27	Average
4	0.179	10.29	0.03	9.85	28.44	48.61	64.55	15.94	QP
5	0.769	10.28	0.04	9.85	17.51	37.68	46.00	8.32	Average
6	0.769	10.28	0.04	9.85	21.40	41.57	56.00	14.43	QP
7	2.701	10.31	0.07	9.86	5.65	25.89	46.00	20.11	Average
8	2.701	10.31	0.07	9.86	10.53	30.77	56.00	25.23	QP
9	6.398	10.40	0.10	9.87	7.64	28.01	50.00	21.99	Average
10	6.398	10.40	0.10	9.87	11.03	31.40	60.00	28.60	QP
11	14.275	10.59	0.17	9.91	13.42	34.09	50.00	15.91	Average
12	14.275	10.59	0.17	9.91	17.65	38.32	60.00	21.68	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

Audix Technology Corp.  
 No. 491, Zhongfu Rd., Linkou Dist.,  
 New Taipei City244, Taiwan

Tel: +886 2 26099301  
 Fax: +886 2 26099303

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 2 with LG (Luxshare), L1LRF008-CS-H		

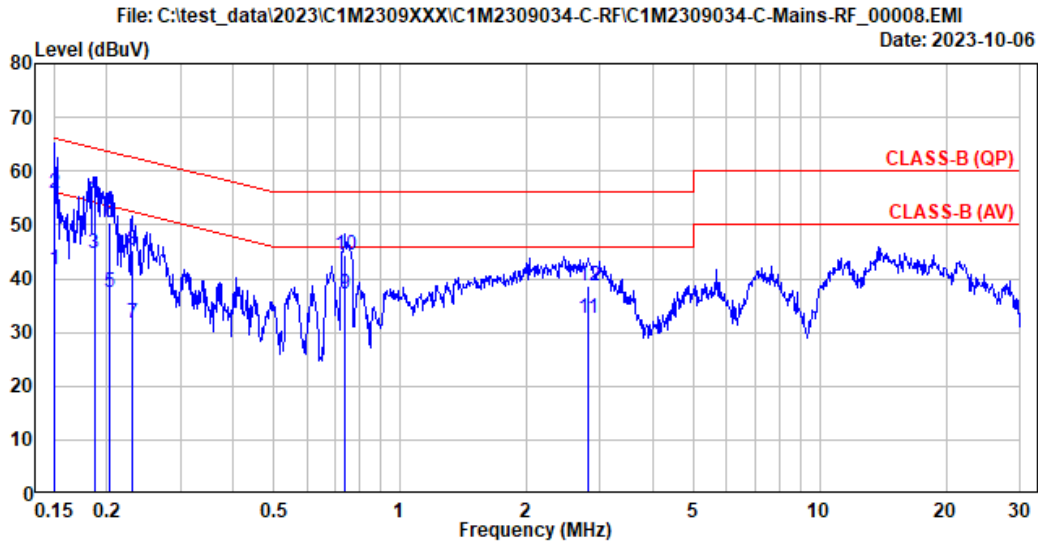


Site No.	: No.8 Shielded Room	Data No.	: 7
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Neutral
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating Luxshare		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.152	10.30	0.03	9.85	25.93	46.11	55.88	9.77	Average
2	0.152	10.30	0.03	9.85	37.00	57.18	65.88	8.70	QP
3	0.185	10.29	0.03	9.85	22.28	42.45	54.26	11.81	Average
4	0.185	10.29	0.03	9.85	34.66	54.83	64.26	9.43	QP
5	0.201	10.29	0.03	9.85	22.49	42.66	53.56	10.90	Average
6	0.201	10.29	0.03	9.85	32.49	52.66	63.56	10.90	QP
7	0.226	10.29	0.03	9.85	9.81	29.98	52.61	22.63	Average
8	0.226	10.29	0.03	9.85	26.27	46.44	62.61	16.17	QP
9	0.736	10.29	0.04	9.85	15.35	35.53	46.00	10.47	Average
10	0.736	10.29	0.04	9.85	23.91	44.09	56.00	11.91	QP
11	2.854	10.34	0.07	9.86	16.11	36.38	46.00	9.62	Average
12	2.854	10.34	0.07	9.86	21.66	41.93	56.00	14.07	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 2 with LG (Luxshare), L1LRF008-CS-H		



Site No.	: No.8 Shielded Room	Data No.	: 8
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Line
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating Luxshare		

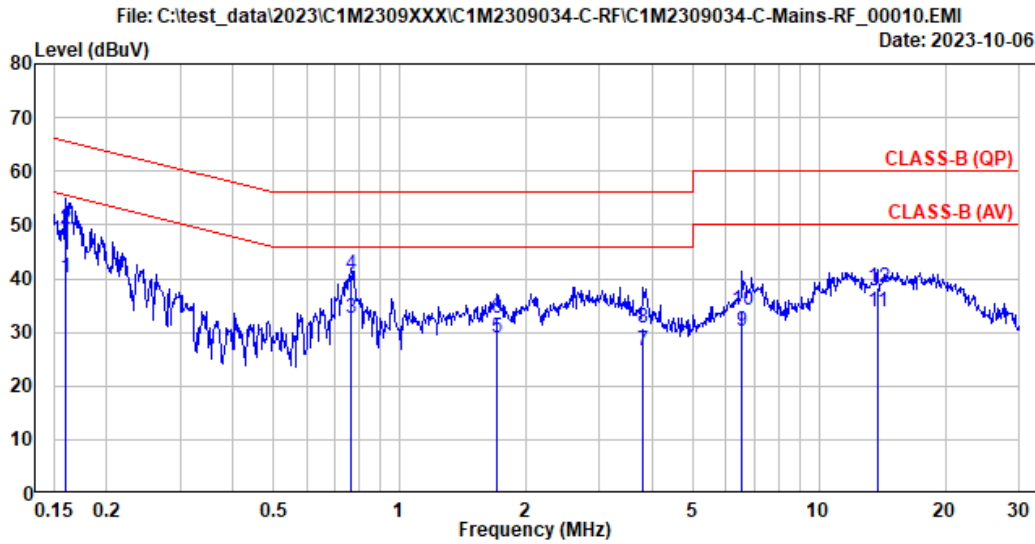
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.151	10.30	0.03	9.85	21.45	41.63	55.96	14.33	Average
2	0.151	10.30	0.03	9.85	35.75	55.93	65.96	10.03	QP
3	0.187	10.28	0.03	9.85	24.39	44.55	54.18	9.63	Average
4	0.187	10.28	0.03	9.85	35.13	55.29	64.18	8.89	QP
5	0.203	10.28	0.03	9.85	17.33	37.49	53.47	15.98	Average
6	0.203	10.28	0.03	9.85	30.36	50.52	63.47	12.95	QP
7	0.230	10.28	0.03	9.85	11.62	31.78	52.44	20.66	Average
8	0.230	10.28	0.03	9.85	25.14	45.30	62.44	17.14	QP
9	0.739	10.28	0.04	9.85	17.02	37.19	46.00	8.81	Average
10	0.739	10.28	0.04	9.85	24.21	44.38	56.00	11.62	QP
11	2.811	10.31	0.07	9.86	12.21	32.45	46.00	13.55	Average
12	2.811	10.31	0.07	9.86	18.42	38.66	56.00	17.34	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

**Audix Technology Corp.**  
 No. 491, Zhongfu Rd., Linkou Dist.,  
 New Taipei City 244, Taiwan

**Tel: +886 2 26099301**  
**Fax: +886 2 26099303**

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 3 with LG (INPAQ), WA-P-LBLB-04-110		

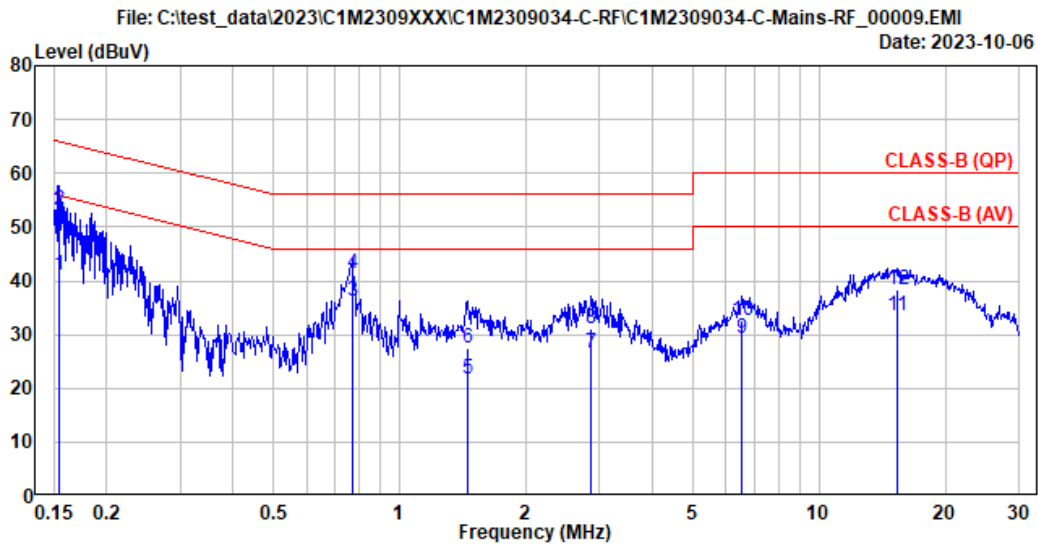


Site No.	: No.8 Shielded Room	Data No.	: 10
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Neutral
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating Touch		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.159	10.30	0.03	9.85	19.87	40.05	55.50	15.45	Average
2	0.159	10.30	0.03	9.85	29.08	49.26	65.50	16.24	QP
3	0.765	10.29	0.04	9.85	12.34	32.52	46.00	13.48	Average
4	0.765	10.29	0.04	9.85	20.61	40.79	56.00	15.21	QP
5	1.708	10.31	0.05	9.86	8.88	29.10	46.00	16.90	Average
6	1.708	10.31	0.05	9.86	12.44	32.66	56.00	23.34	QP
7	3.810	10.36	0.08	9.86	6.39	26.69	46.00	19.31	Average
8	3.810	10.36	0.08	9.86	10.49	30.79	56.00	25.21	QP
9	6.560	10.47	0.11	9.87	9.72	30.17	50.00	19.83	Average
10	6.560	10.47	0.11	9.87	13.67	34.12	60.00	25.88	QP
11	13.786	10.76	0.16	9.91	13.04	33.87	50.00	16.13	Average
12	13.786	10.76	0.16	9.91	17.56	38.39	60.00	21.61	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

Test Date	2023/10/06	Temp./Hum.	24°C/55%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU (Mode) 3 with LG (INPAQ), WA-P-LBLB-04-110		



Site No.	: No.8 Shielded Room	Data No.	: 9
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Line
Environment	: 24°C/55%	Test Rating	: 120Vac/60Hz
EUT Model	: 16Z90S	Engineer	: Roy Hung
Test Mode	: Operating		
	Touch		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.155	10.30	0.03	9.85	20.78	40.96	55.75	14.79	Average
2	0.155	10.30	0.03	9.85	33.08	53.26	65.75	12.49	QP
3	0.769	10.28	0.04	9.85	15.92	36.09	46.00	9.91	Average
4	0.769	10.28	0.04	9.85	21.11	41.28	56.00	14.72	QP
5	1.449	10.29	0.05	9.86	1.66	21.86	46.00	24.14	Average
6	1.449	10.29	0.05	9.86	7.14	27.34	56.00	28.66	QP
7	2.868	10.32	0.07	9.86	6.39	26.64	46.00	19.36	Average
8	2.868	10.32	0.07	9.86	10.76	31.01	56.00	24.99	QP
9	6.560	10.40	0.11	9.87	8.88	29.26	50.00	20.74	Average
10	6.560	10.40	0.11	9.87	12.11	32.49	60.00	27.51	QP
11	15.384	10.62	0.17	9.91	12.87	33.57	50.00	16.43	Average
12	15.384	10.62	0.17	9.91	17.77	38.47	60.00	21.53	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

## A.2 RADIATED EMISSION

Test Date	2023/09/28 ~ 10/06	Temp./Hum.	23 ~ 24°C/47 ~ 63%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Martin Chen/ Hua Wu

### A.2.1 Emissions within Restricted Frequency Bands

#### A.2.1.1 Frequency 9kHz~30MHz

**The emissions (9kHz~30MHz) not reported for there is no emission be found.**

#### A.2.1.2 Frequency Below 1GHz

Test SKU: SKU (Mode) 1 with LG (INPAQ), WA-P-LELE-04-009

Mode	802.11ax-HE20	Frequency	TX 2442MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.617	23.36	1.23	26.52	34.43	32.51	40.00	7.49	Peak
149.633	16.59	2.87	26.02	38.56	32.00	43.50	11.50	Peak
248.250	18.00	3.86	25.73	37.01	33.14	46.00	12.86	Peak
378.392	21.05	5.29	26.35	36.76	36.75	46.00	9.25	Peak
478.625	22.83	6.23	27.03	33.20	35.22	46.00	10.78	Peak
543.292	23.68	6.56	27.27	33.12	36.08	46.00	9.92	Peak

#### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
33.233	22.77	1.27	0.00	13.88	37.91	40.00	2.09	QP
140.742	17.14	2.77	26.06	35.69	29.53	43.50	13.97	Peak
252.292	18.13	3.89	25.72	34.24	30.53	46.00	15.47	Peak
378.392	21.05	5.29	26.35	37.04	37.03	46.00	8.97	Peak
480.242	22.85	6.24	27.04	33.37	35.42	46.00	10.58	Peak
621.700	24.42	6.88	27.41	32.37	36.27	46.00	9.73	Peak



Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.000	23.95	1.20	26.52	34.02	32.65	40.00	7.35	Peak
147.208	16.74	2.84	26.03	37.73	31.28	43.50	12.22	Peak
247.442	17.96	3.85	25.73	38.75	34.82	46.00	11.18	Peak
377.583	21.03	5.28	26.34	36.29	36.25	46.00	9.75	Peak
542.483	23.66	6.56	27.27	31.87	34.82	46.00	11.18	Peak
680.708	24.62	7.20	27.40	32.33	36.75	46.00	9.25	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
33.233	22.77	1.27	0.00	13.83	37.86	40.00	2.14	QP
139.933	17.18	2.76	26.07	36.36	30.23	43.50	13.27	Peak
246.633	17.92	3.84	25.73	34.96	30.99	46.00	15.01	Peak
378.392	21.05	5.29	26.35	36.82	36.81	46.00	9.19	Peak
507.725	23.23	6.43	27.18	32.44	34.92	46.00	11.08	Peak
611.192	24.37	6.82	27.41	32.29	36.09	46.00	9.91	Peak

Test SKU: SKU (Mode) 2 with LG (Luxshare), L1LRF008-CS-H

Mode	802.11ax-HE20	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.042	22.48	1.28	26.51	36.38	33.62	40.00	6.38	Peak
153.675	16.36	2.91	26.00	37.93	31.20	43.50	12.30	Peak
243.400	17.75	3.81	25.74	34.94	30.77	46.00	15.23	Peak
377.583	21.03	5.28	26.34	36.80	36.77	46.00	9.23	Peak
486.708	22.95	6.29	27.08	32.84	35.00	46.00	11.00	Peak
544.908	23.70	6.57	27.28	32.93	35.92	46.00	10.08	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.042	22.48	1.28	0.00	14.88	38.64	40.00	1.36	QP
128.617	17.56	2.63	26.13	34.22	28.29	43.50	15.21	Peak
308.875	19.17	4.48	25.75	31.32	29.22	46.00	16.78	Peak
378.392	21.05	5.29	26.35	37.81	37.80	46.00	8.20	Peak
502.067	23.15	6.41	27.17	33.53	35.92	46.00	10.08	Peak
608.767	24.37	6.81	27.41	32.53	36.30	46.00	9.70	Peak

Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.425	23.06	1.25	26.52	35.61	33.40	40.00	6.60	Peak
150.442	16.53	2.88	26.02	37.42	30.82	43.50	12.68	Peak
299.983	18.92	4.36	25.66	33.62	31.24	46.00	14.76	Peak
378.392	21.05	5.29	26.35	35.84	35.83	46.00	10.17	Peak
502.875	23.16	6.41	27.17	32.61	35.01	46.00	10.99	Peak
548.142	23.74	6.58	27.29	32.73	35.77	46.00	10.23	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.042	22.48	1.28	0.00	14.20	37.96	40.00	2.04	QP
148.017	16.69	2.85	26.03	35.38	28.89	43.50	14.61	Peak
324.233	19.61	4.67	25.89	32.16	30.55	46.00	15.45	Peak
378.392	21.05	5.29	26.35	36.02	36.01	46.00	9.99	Peak
504.492	23.18	6.42	27.17	32.10	34.52	46.00	11.48	Peak
586.133	24.19	6.71	27.38	31.77	35.29	46.00	10.71	Peak

Test SKU: SKU (Mode) 3 with LG (INPAQ), WA-P-LBLB-04-110

Mode	802.11ax-HE20	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.808	23.65	1.22	26.52	32.72	31.07	40.00	8.93	Peak
143.167	16.99	2.80	26.05	36.22	29.95	43.50	13.55	Peak
208.642	15.82	3.49	25.79	34.20	27.72	43.50	15.78	Peak
378.392	21.05	5.29	26.35	36.38	36.37	46.00	9.63	Peak
460.033	22.55	6.07	26.92	32.25	33.95	46.00	12.05	Peak
519.850	23.40	6.48	27.21	32.58	35.24	46.00	10.76	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.850	22.21	1.30	0.00	14.41	37.92	40.00	2.08	QP
138.317	17.23	2.74	26.08	34.79	28.68	43.50	14.82	Peak
196.517	15.30	3.36	25.82	34.18	27.02	43.50	16.48	Peak
378.392	21.05	5.29	26.35	36.42	36.41	46.00	9.59	Peak
481.050	22.86	6.25	27.05	34.48	36.55	46.00	9.45	Peak
511.767	23.28	6.45	27.19	34.38	36.91	46.00	9.09	Peak

Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
35.658	21.78	1.31	26.51	35.82	32.40	40.00	7.60	Peak
154.483	16.32	2.92	26.00	37.16	30.41	43.50	13.09	Peak
253.100	18.14	3.90	25.72	33.06	29.38	46.00	16.62	Peak
350.908	20.36	4.99	26.12	31.79	31.02	46.00	14.98	Peak
378.392	21.05	5.29	26.35	36.33	36.32	46.00	9.68	Peak
493.175	23.03	6.35	27.12	32.23	34.48	46.00	11.52	Peak

#### Antenna at Vertical Polarization

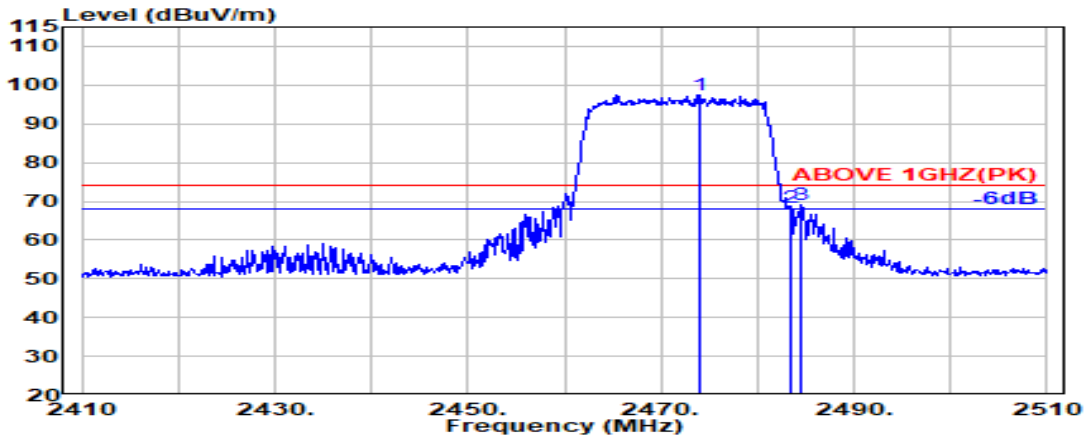
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
34.850	22.21	1.30	0.00	14.49	38.00	40.00	2.00	QP
137.508	17.26	2.73	26.08	34.06	27.97	43.50	15.53	Peak
198.133	15.30	3.38	25.82	35.13	27.99	43.50	15.51	Peak
378.392	21.05	5.29	26.35	38.02	38.01	46.00	7.99	Peak
479.433	22.84	6.23	27.04	32.50	34.54	46.00	11.46	Peak
557.033	23.85	6.61	27.31	32.30	35.45	46.00	10.55	Peak

A.2.1.3 Frequency Above 1 GHz to 10<sup>th</sup> harmonics

**Band Edge:**

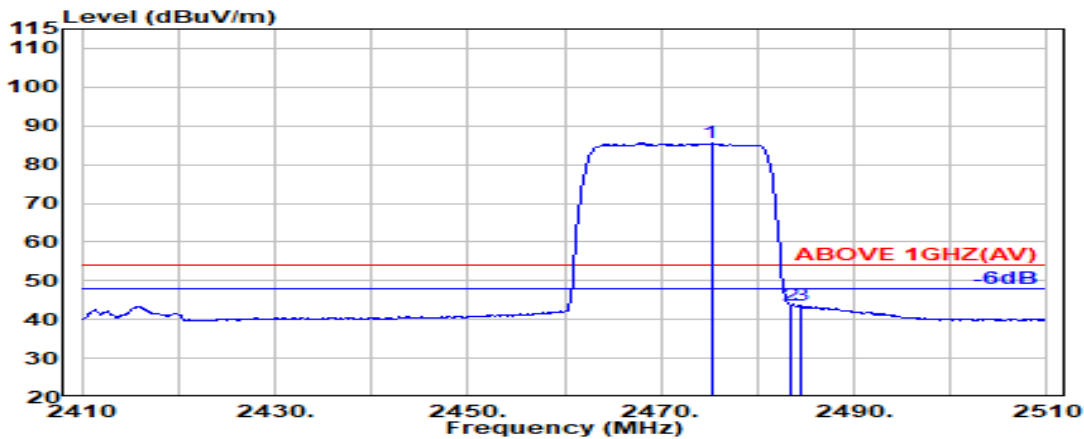
Test SKU: SKU (Mode) 1 with LG (INPAQ), WA-P-LELE-04-009

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2473.900	28.45	6.15	34.52	97.44	97.52	---	---	Peak
2483.500	28.47	6.17	34.53	68.45	68.56	74.00	5.44	Peak
2484.600	28.47	6.17	34.53	69.02	69.13	74.00	4.87	Peak

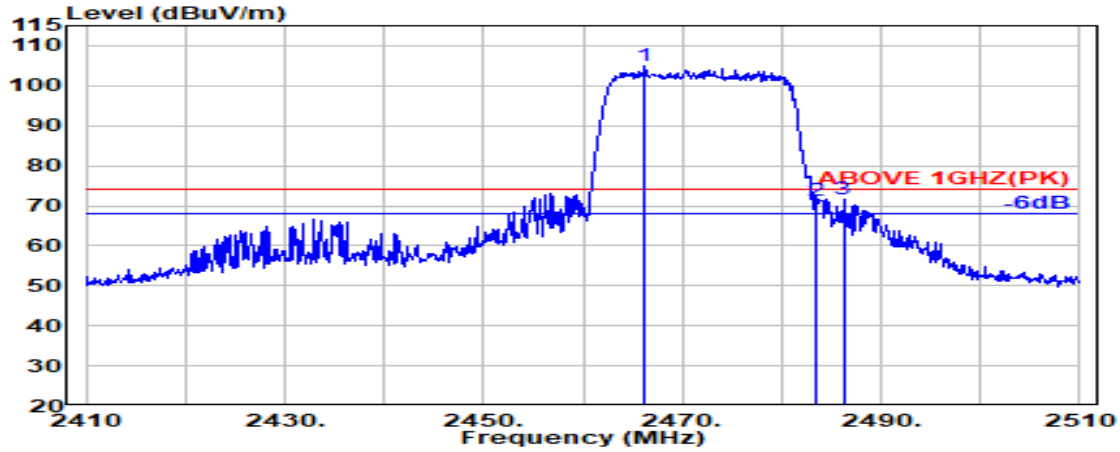


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2475.200	28.45	6.16	34.53	85.42	85.50	---	---	Average
2483.500	28.47	6.17	34.53	43.56	43.67	54.00	10.33	Average
2484.400	28.47	6.17	34.53	43.40	43.51	54.00	10.49	Average

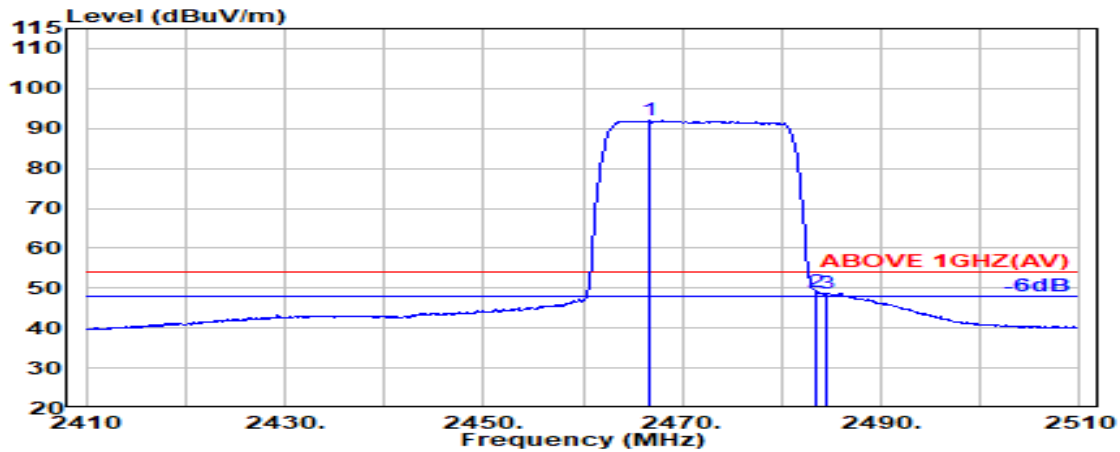
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2466.200	28.43	6.14	34.52	104.79	104.85	---	---	Peak
2483.500	28.47	6.17	34.53	71.14	71.25	74.00	2.75	Peak
2486.200	28.47	6.17	34.53	71.59	71.71	74.00	2.29	Peak

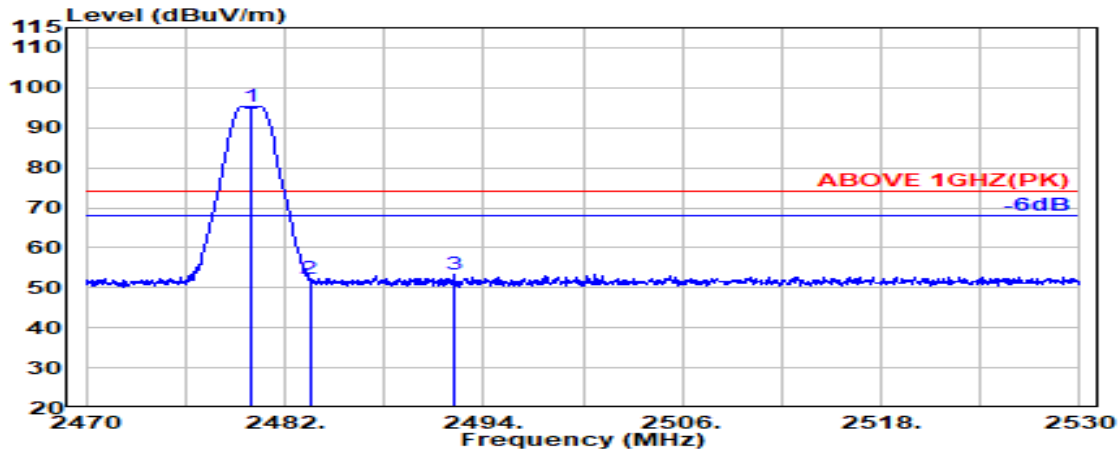


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2466.600	28.43	6.14	34.52	92.06	92.11	---	---	Average
2483.500	28.47	6.17	34.53	48.83	48.94	54.00	5.06	Average
2484.600	28.47	6.17	34.53	48.69	48.81	54.00	5.19	Average

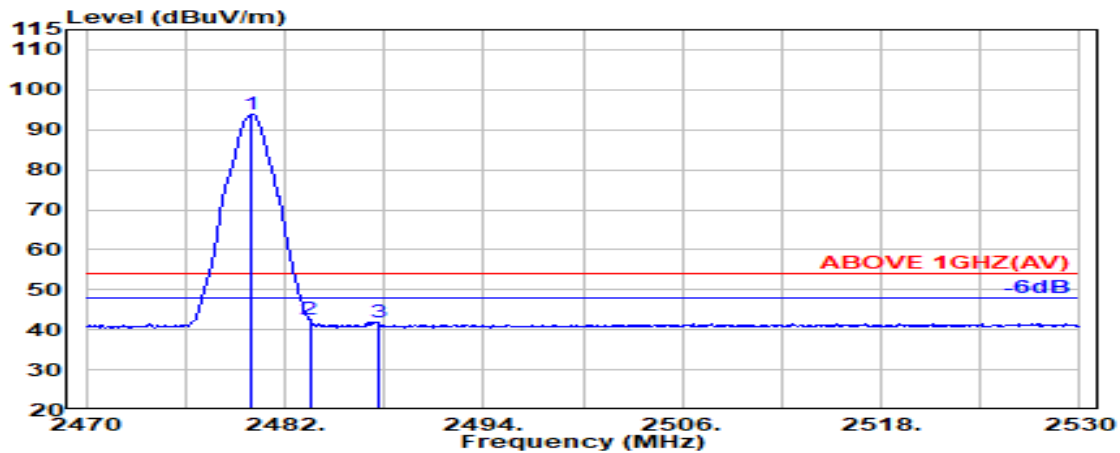
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.950	28.46	6.16	34.53	95.34	95.44	---	---	Peak
2483.500	28.47	6.17	34.53	52.24	52.34	74.00	21.66	Peak
2492.200	28.48	6.18	34.53	53.06	53.20	74.00	20.80	Peak



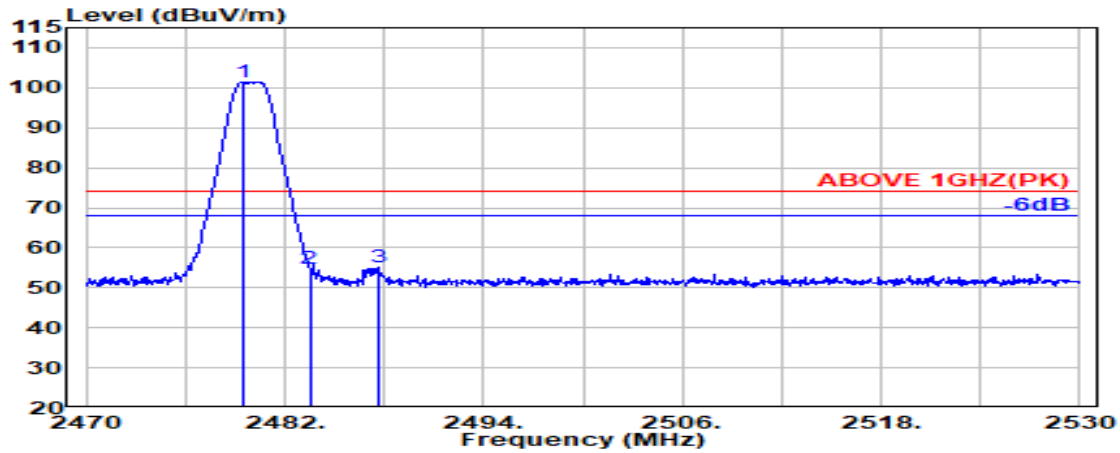
Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.950	28.46	6.16	34.53	93.78	93.88	---	---	Average
2483.500	28.47	6.17	34.53	42.33	42.44	54.00	11.56	Average
2487.600	28.48	6.17	34.53	41.74	41.86	54.00	12.14	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

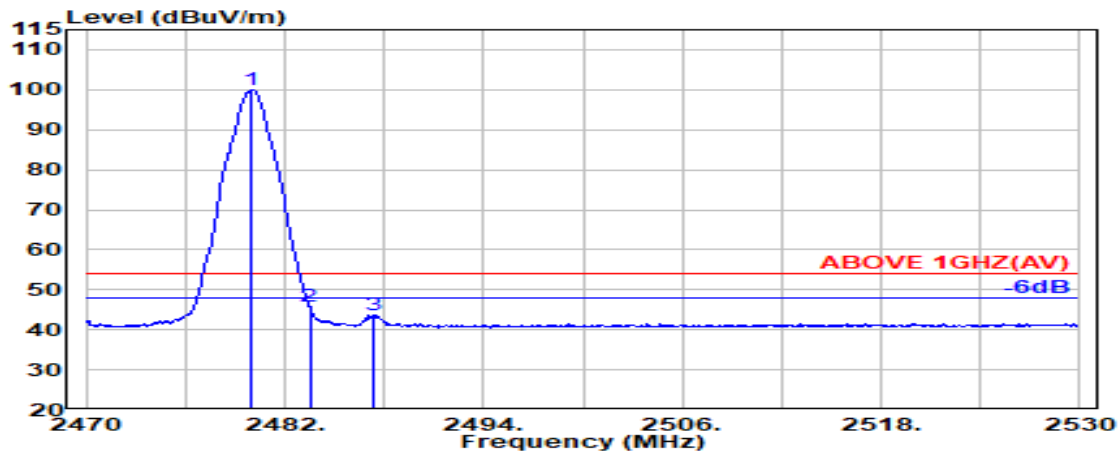


Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.450	28.46	6.16	34.53	101.44	101.53	---	---	Peak
2483.500	28.47	6.17	34.53	54.77	54.88	74.00	19.12	Peak
2487.650	28.48	6.17	34.53	55.11	55.23	74.00	18.77	Peak



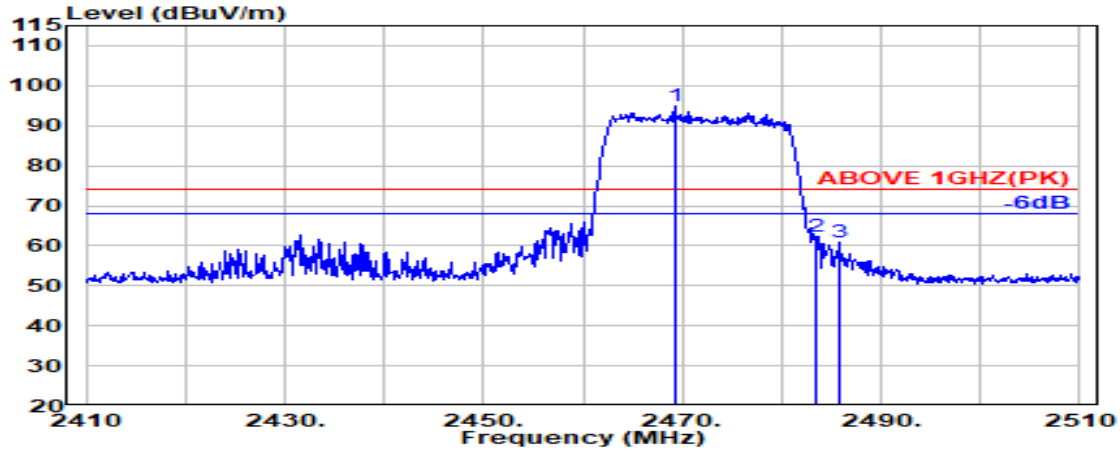
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.46	6.16	34.53	99.88	99.98	---	---	Average
2483.500	28.47	6.17	34.53	45.56	45.67	54.00	8.33	Average
2487.350	28.47	6.17	34.53	43.59	43.71	54.00	10.29	Average

Remark: The "@" means fundamental frequency, it is ignored in this section.

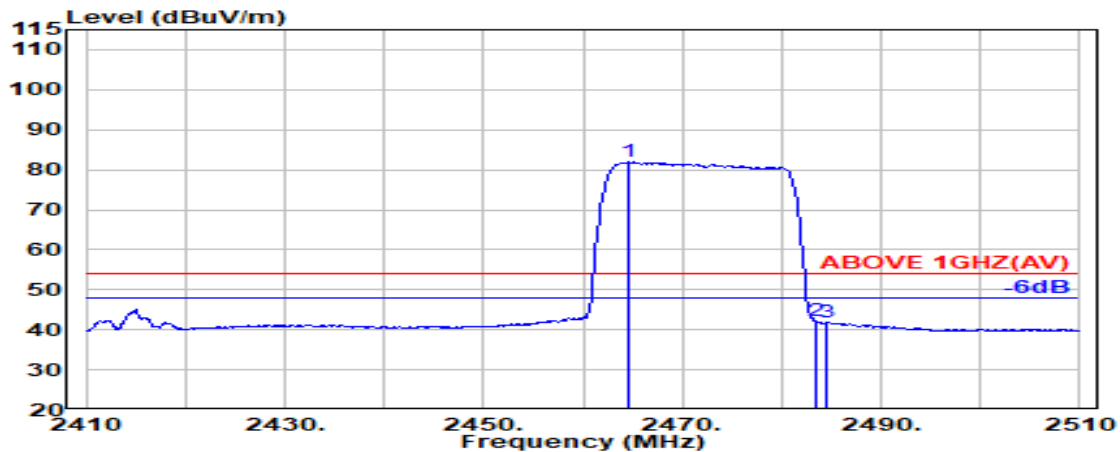
Test SKU: SKU (Mode) 2 with LG (Luxshare), L1LRF008-CS-H

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2469.200	28.44	6.15	34.52	94.73	94.80	---	---	Peak
2483.500	28.47	6.17	34.53	62.23	62.34	74.00	11.66	Peak
2485.800	28.47	6.17	34.53	60.83	60.94	74.00	13.06	Peak

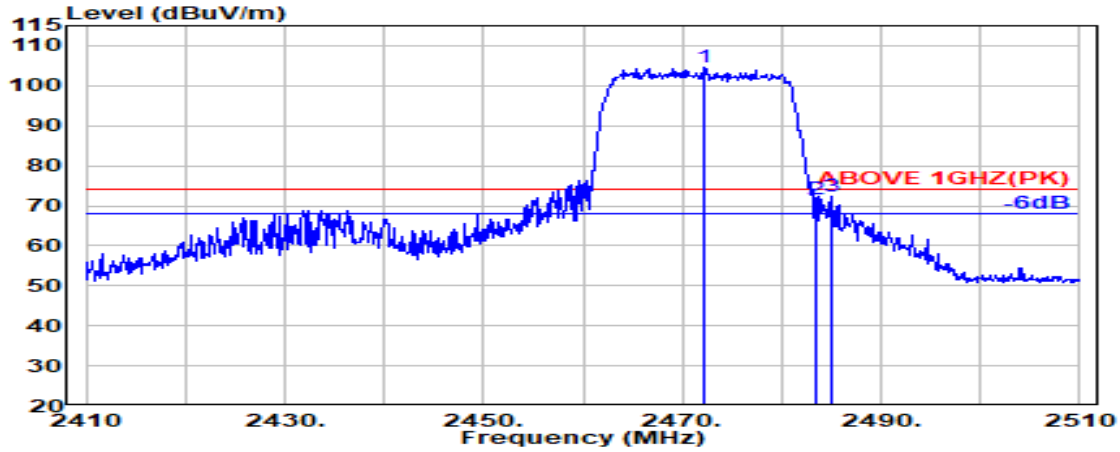


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2464.500	28.43	6.14	34.52	81.86	81.90	---	---	Average
2483.500	28.47	6.17	34.53	42.02	42.12	54.00	11.88	Average
2484.400	28.47	6.17	34.53	41.67	41.78	54.00	12.22	Average

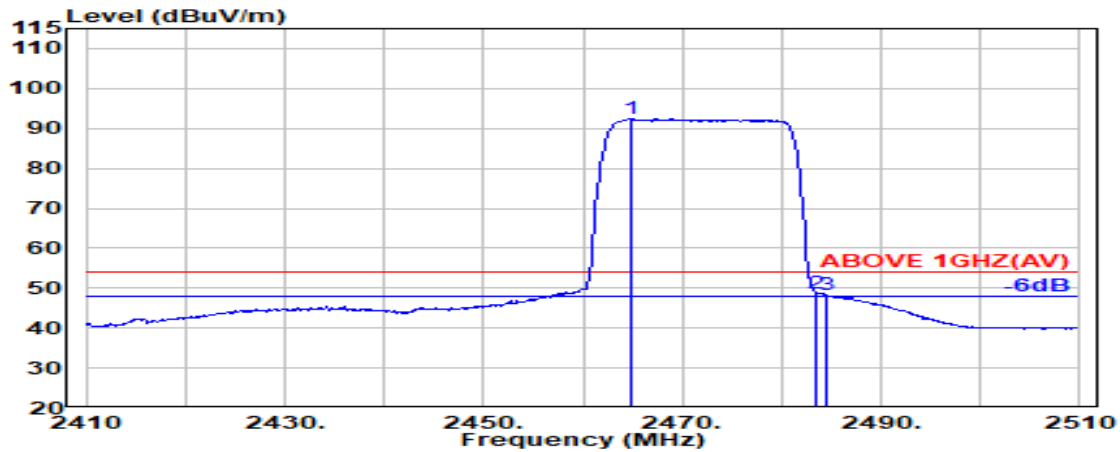
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2472.300	28.44	6.15	34.52	104.37	104.45	---	---	Peak
2483.500	28.47	6.17	34.53	71.65	71.76	74.00	2.24	Peak
2484.900	28.47	6.17	34.53	72.05	72.16	74.00	1.84	Peak

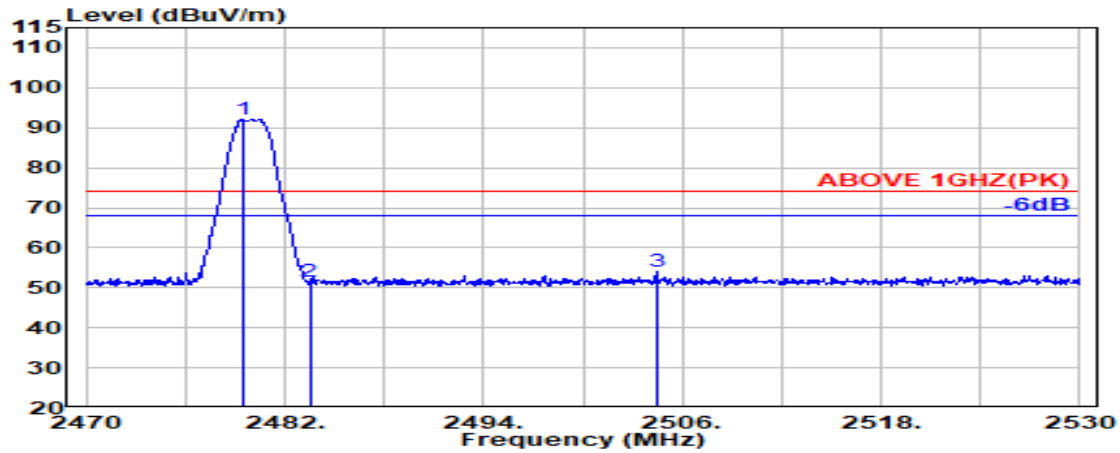


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2464.800	28.43	6.14	34.52	92.40	92.45	---	---	Average
2483.500	28.47	6.17	34.53	48.46	48.56	54.00	5.44	Average
2484.400	28.47	6.17	34.53	48.23	48.34	54.00	5.66	Average

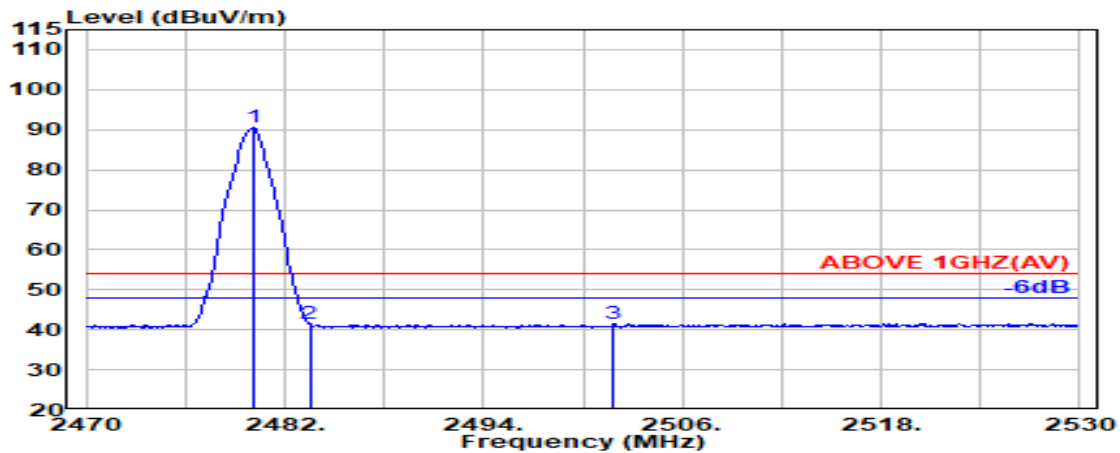
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.450	28.46	6.16	34.53	91.89	91.99	---	---	Peak
2483.500	28.47	6.17	34.53	51.47	51.58	74.00	22.42	Peak
2504.450	28.51	6.20	34.53	53.80	53.97	74.00	20.03	Peak

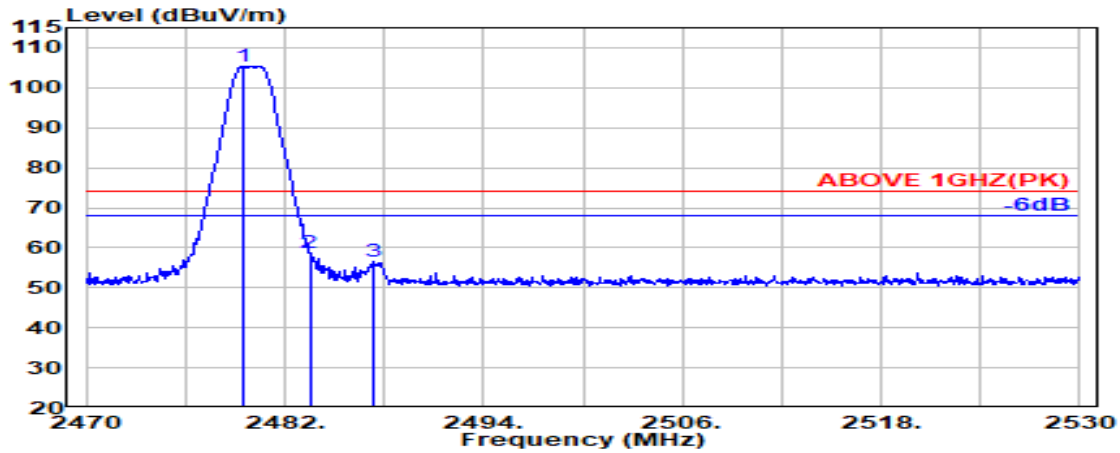


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.100	28.46	6.16	34.53	90.37	90.47	---	---	Average
2483.500	28.47	6.17	34.53	41.56	41.67	54.00	12.33	Average
2501.850	28.50	6.19	34.53	41.44	41.61	54.00	12.39	Average

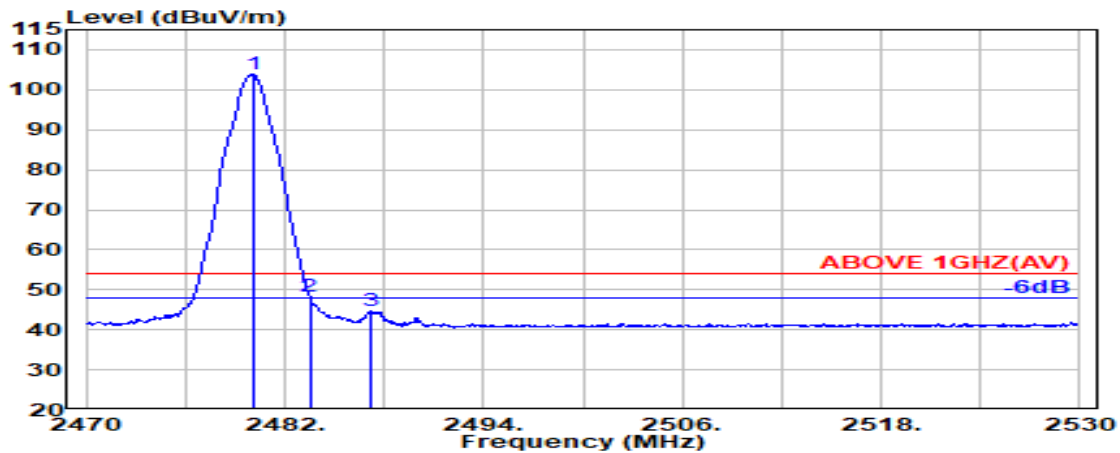
Remark: The "@" means fundamental frequency, it is ignored in this section.

Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.500	28.46	6.16	34.53	105.26	105.35	---	---	Peak
2483.500	28.47	6.17	34.53	58.58	58.68	74.00	15.32	Peak
2487.350	28.47	6.17	34.53	56.46	56.58	74.00	17.42	Peak



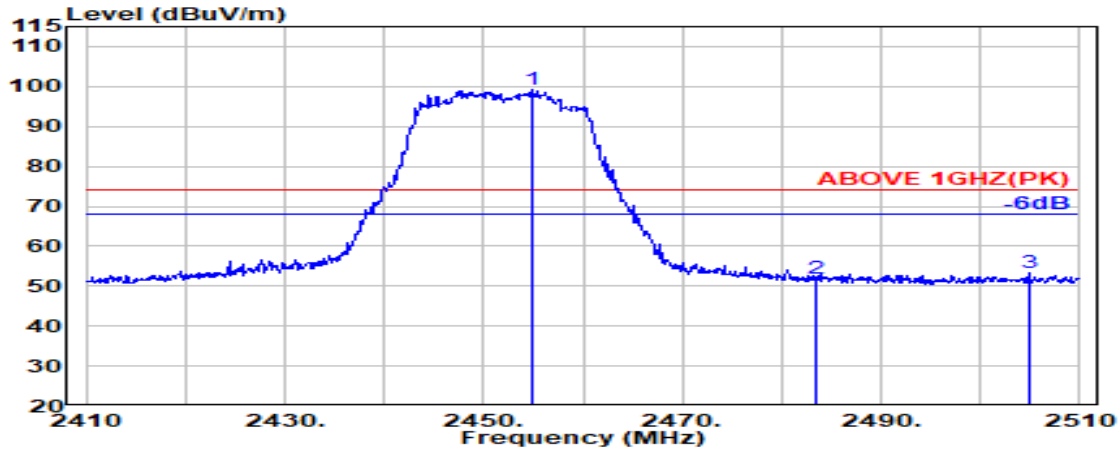
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.050	28.46	6.16	34.53	103.75	103.84	---	---	Average
2483.500	28.47	6.17	34.53	48.14	48.25	54.00	5.75	Average
2487.200	28.47	6.17	34.53	44.62	44.74	54.00	9.26	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

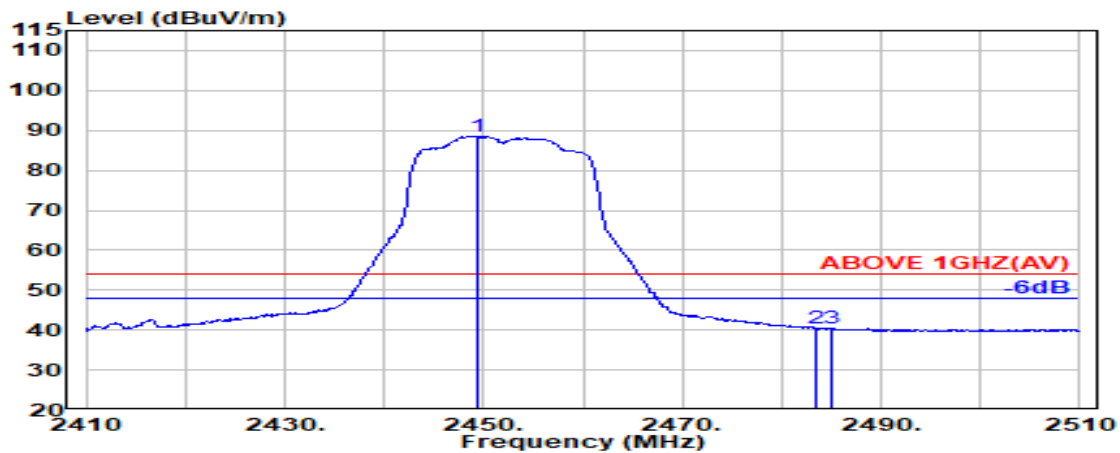
Test SKU: SKU (Mode) 3 with LG (INPAQ), WA-P-LBLB-04-110

Mode	802.11n-HT40	Frequency	TX 2452MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2454.900	28.41	6.13	34.52	99.21	99.22	---	---	Peak
2483.500	28.47	6.17	34.53	51.89	51.99	74.00	22.01	Peak
2504.900	28.51	6.20	34.53	53.30	53.47	74.00	20.53	Peak

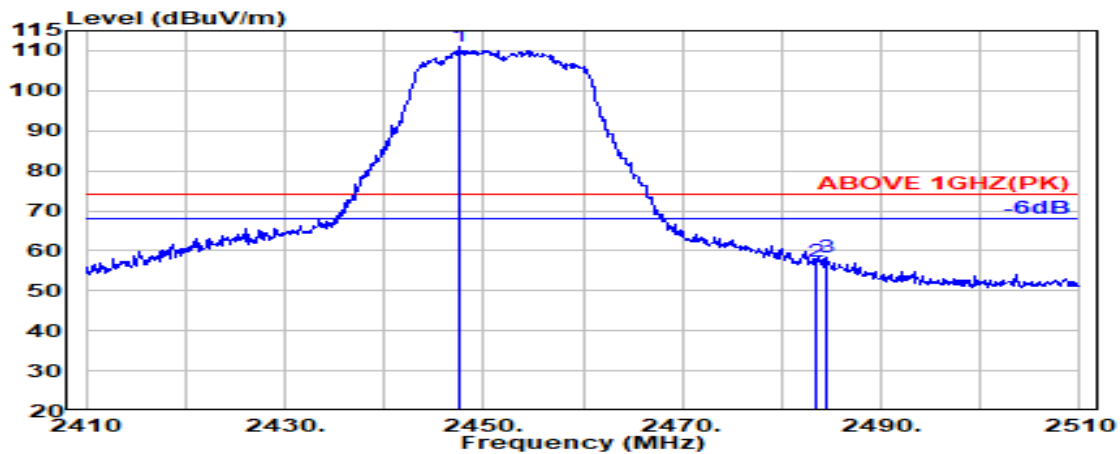


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2449.400	28.40	6.12	34.52	88.51	88.51	---	---	Average
2483.500	28.47	6.17	34.53	40.16	40.27	54.00	13.73	Average
2485.000	28.47	6.17	34.53	40.47	40.58	54.00	13.42	Average

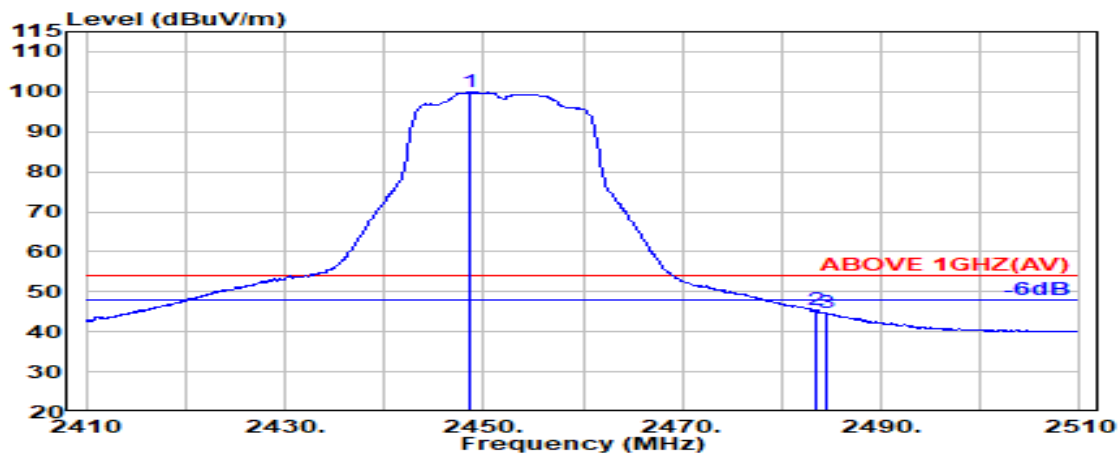
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11n-HT40	Frequency	TX 2452MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2447.500	28.39	6.12	34.52	110.89	110.88	---	---	Peak
2483.500	28.47	6.17	34.53	57.16	57.27	74.00	16.73	Peak
2484.400	28.47	6.17	34.53	58.29	58.40	74.00	15.60	Peak

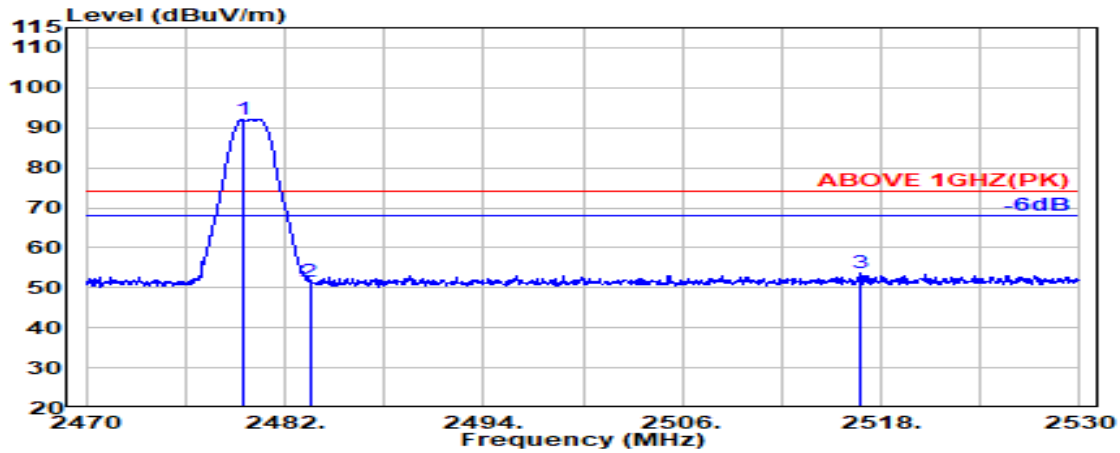


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2448.600	28.39	6.12	34.52	99.87	99.86	---	---	Average
2483.500	28.47	6.17	34.53	45.26	45.37	54.00	8.63	Average
2484.500	28.47	6.17	34.53	44.59	44.70	54.00	9.30	Average

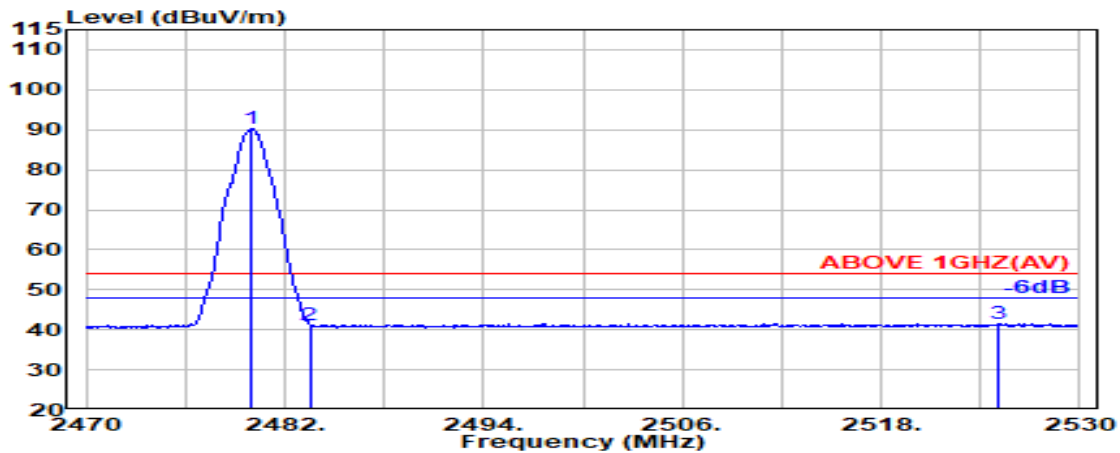
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.500	28.46	6.16	34.53	91.91	92.01	---	---	Peak
2483.500	28.47	6.17	34.53	51.46	51.57	74.00	22.43	Peak
2516.800	28.53	6.21	34.53	53.47	53.68	74.00	20.32	Peak



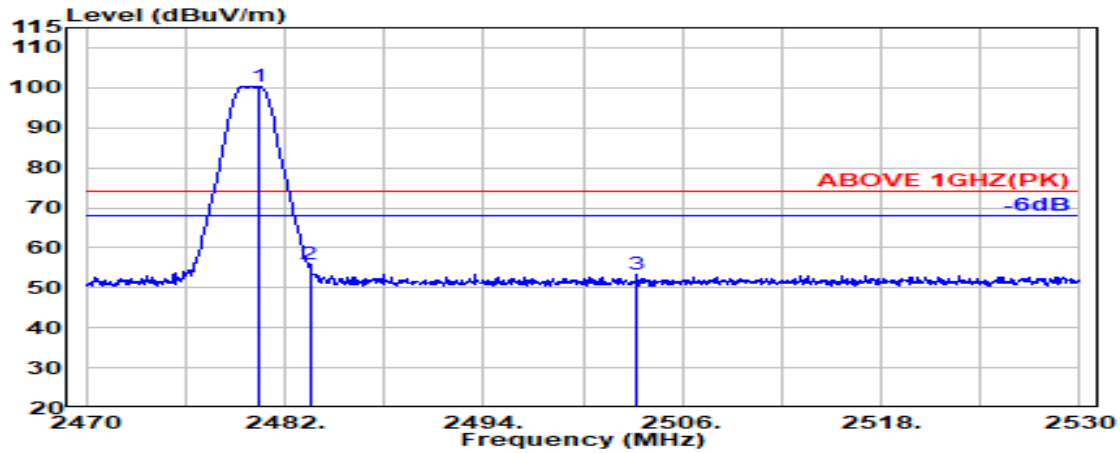
Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.46	6.16	34.53	90.26	90.35	---	---	Average
2483.500	28.47	6.17	34.53	41.03	41.14	54.00	12.86	Average
2525.100	28.55	6.22	34.54	41.38	41.61	54.00	12.39	Average

Remark: The "@" means fundamental frequency, it is ignored in this section.

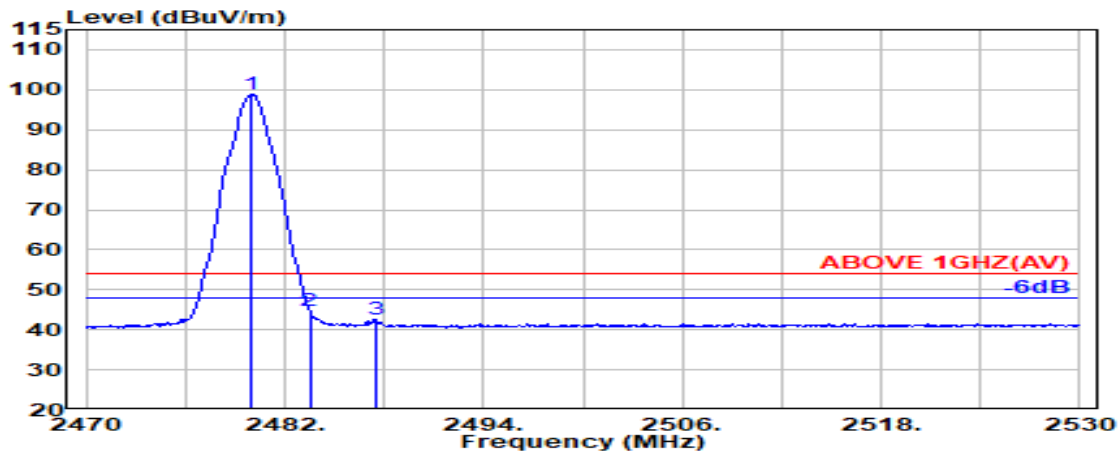


Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.500	28.46	6.16	34.53	100.21	100.30	---	---	Peak
2483.500	28.47	6.17	34.53	55.84	55.95	74.00	18.05	Peak
2503.250	28.51	6.19	34.53	53.19	53.35	74.00	20.65	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.950	28.46	6.16	34.53	98.62	98.72	---	---	Average
2483.500	28.47	6.17	34.53	44.64	44.74	54.00	9.26	Average
2487.450	28.48	6.17	34.53	42.38	42.50	54.00	11.50	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

**A.2.2 Emissions outside the frequency band:**

The emissions (up to 25GHz) not reported for there is no emission be found.

Test SKU: SKU (Mode) 1 with LG (INPAQ), WA-P-LELE-04-009

Mode	802.11g	Frequency	TX 2442MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	37.70	45.09	54.00	8.91	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	37.07	44.47	54.00	9.53	Peak

Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.42	8.37	34.42	37.13	44.50	54.00	9.50	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.42	8.37	34.42	36.88	44.25	54.00	9.75	Peak

Test SKU: SKU (Mode) 2 with LG (Luxshare), L1LRF008-CS-H

Mode	802.11ax-HE20	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	36.08	43.48	54.00	10.52	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	35.66	43.05	54.00	10.95	Peak

Mode	BLE (2Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.72	8.42	34.41	35.70	43.43	54.00	10.57	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.72	8.42	34.41	37.10	44.84	54.00	9.16	Peak

Test SKU: SKU (Mode) 3 with LG (INPAQ), WA-P-LBLB-04-110

Mode	802.11ax-HE40	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	36.47	43.86	54.00	10.14	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.44	8.38	34.42	36.98	44.37	54.00	9.63	Peak

Mode	BLE (2Mbps)	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.21	8.32	34.43	37.39	44.48	54.00	9.52	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.21	8.32	34.43	36.33	43.43	54.00	10.57	Peak

A.2.3 Emissions in Non-restricted Frequency Bands:

Pursuant to ANSI C63.10:2013 that emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9 table 4 general radiated emissions limits is not required.

### A.3 MAXIMUM PEAK OUTPUT POWER

Test Date	2023/10/03	Temp./Hum.	25°C/57%
Cable Loss	0.5dB	Tested By	Sam Chang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

#### A.3.1 Peak Output Power

- SPOT Check

Test SKU: SKU #1 (LG (INPAQ), WA-P-LELE-04-009)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	22.96	23.04	23.04	1.90	2.20	25.24	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.03	23.23	23.23	2.40	2.30	25.53	
	2462	23.16	22.90	23.16	2.40	2.30	25.56	
	2467	22.39	22.07	22.39	2.40	2.30	24.79	
	2472	20.42	19.46	20.42	2.40	2.30	22.82	
802.11g	2412	21.19	21.18	21.19	1.90	2.20	23.38	
	2417	22.87	23.26	23.26	1.90	2.20	25.46	
	2442	23.66	23.75	23.75	2.40	2.30	26.06	
	2457	22.76	22.52	22.76	2.40	2.30	25.16	
	2462	21.02	21.18	21.18	2.40	2.30	23.48	
	2467	18.86	18.85	18.86	2.40	2.30	21.26	
	2472	16.84	16.71	16.84	2.40	2.30	19.24	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P. <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	18.86	19.13	22.01	2.05	24.06	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.13	21.48	24.32	2.05	26.37	
	2422	22.20	22.40	25.31	2.05	27.36	
	2442	23.35	23.65	26.51	2.35	28.86	
	2457	22.34	22.48	25.42	2.35	27.77	
	2462	19.15	19.31	22.24	2.35	24.59	
	2467	15.34	15.42	18.39	2.35	20.74	
	2472	11.05	11.15	14.11	2.35	16.46	
802.11n-HT40	2422	20.00	20.13	23.08	2.05	25.13	
	2442	20.73	21.35	24.06	2.35	26.41	
	2452	20.01	20.33	23.18	2.35	25.53	
	2457	14.93	15.38	18.17	2.35	20.52	
	2462	11.94	12.19	15.08	2.35	17.43	
802.11ax-HE20	2412	19.30	19.25	22.29	2.05	24.34	
	2417	21.42	21.55	24.50	2.05	26.55	
	2422	22.66	22.58	25.63	2.05	27.68	
	2442	23.51	23.64	26.59	2.35	28.94	
	2457	22.56	22.49	25.54	2.35	27.89	
	2462	19.53	19.53	22.54	2.35	24.89	
	2467	15.66	15.38	18.53	2.35	20.88	
	2472	11.30	11.40	14.36	2.35	16.71	
802.11ax-HE40	2422	19.73	19.63	22.69	2.05	24.74	
	2442	20.54	20.97	23.77	2.35	26.12	
	2452	19.44	20.05	22.77	2.35	25.12	
	2457	14.83	15.10	17.98	2.35	20.33	
	2462	12.09	12.11	15.11	2.35	17.46	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	20.95	20.93	23.95	2.05	26.00	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	20.74	21.14	23.95	2.05	26.00	
		106/53	24.11	23.82	26.98	2.05	29.03	
	2472	26/8	18.70	18.67	21.70	2.35	24.05	
		52/40	18.90	18.98	21.95	2.35	24.30	
		106/54	18.92	19.03	21.99	2.35	24.34	
802.11ax-HE40	2422	242/61	19.56	19.54	22.56	2.05	24.61	
	2462	242/62	17.86	17.54	20.71	2.35	23.06	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.78	2.20	7.98	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.04	2.30	8.34	
	2480	6.03	3.10	9.13	
BLE (2Mbps)	2402	5.76	2.20	7.96	
	2440	6.13	2.30	8.43	
	2480	6.03	3.10	9.13	
BLE (PHY Coded S2)	2402	5.82	2.20	8.02	
	2440	6.11	2.30	8.41	
	2480	6.02	3.10	9.12	
BLE (PHY Coded S8)	2402	5.74	2.20	7.94	
	2440	6.10	2.30	8.40	
	2480	6.07	3.10	9.17	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.



Test SKU: SKU #2 (With LG (Luxshare), L1LRF008-CS-H)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	22.960	23.040	23.04	0.90	6.30	29.34	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.030	23.230	23.23	1.60	5.70	28.93	
	2462	23.160	22.900	23.16	1.60	5.70	28.60	
	2467	22.390	22.070	22.39	1.60	5.70	27.77	
	2472	20.420	19.456	20.42	1.60	5.70	25.16	
802.11g	2412	21.190	21.180	21.19	0.90	6.30	27.48	
	2417	22.870	23.260	23.26	0.90	6.30	29.56	
	2442	23.660	23.750	23.75	1.60	5.70	29.45	
	2457	22.760	22.520	22.76	1.60	5.70	28.22	
	2462	21.020	21.180	21.18	1.60	5.70	26.88	
	2467	18.860	18.850	18.86	1.60	5.70	24.55	
	2472	16.840	16.710	16.84	1.60	5.70	22.41	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	18.86	19.13	22.01	4.42	26.43	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.13	21.48	24.32	4.42	28.74	
	2422	22.20	22.40	25.31	4.42	29.73	
	2442	23.35	23.65	26.51	4.11	30.62	
	2457	22.34	22.48	25.42	4.11	29.53	
	2462	19.15	19.31	22.24	4.11	26.35	
	2467	15.34	15.42	18.39	4.11	22.50	
	2472	11.05	11.15	14.11	4.11	18.22	
802.11n-HT40	2422	20.00	20.13	23.08	4.42	27.50	
	2442	20.73	21.35	24.06	4.11	28.17	
	2452	20.01	20.33	23.18	4.11	27.29	
	2457	14.93	15.38	18.17	4.11	22.28	
	2462	11.94	12.19	15.08	4.11	19.19	
802.11ax-HE20	2412	19.30	19.25	22.29	4.42	26.71	
	2417	21.42	21.55	24.50	4.42	28.92	
	2422	22.66	22.58	25.63	4.42	30.05	
	2442	23.51	23.64	26.59	4.11	30.70	
	2457	22.56	22.49	25.54	4.11	29.65	
	2462	19.53	19.53	22.54	4.11	26.65	
	2467	15.66	15.38	18.53	4.11	22.64	
	2472	11.30	11.40	14.36	4.11	18.47	
802.11ax-HE40	2422	19.73	19.63	22.69	4.42	27.11	
	2442	20.54	20.97	23.77	4.11	27.88	
	2452	19.44	20.05	22.77	4.11	26.88	
	2457	14.83	15.10	17.98	4.11	22.09	
	2462	12.09	12.11	15.11	4.11	19.22	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	20.95	20.93	23.95	4.42	28.37	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	20.74	21.14	23.95	4.42	28.37	
		106/53	24.11	23.82	26.98	4.42	31.40	
	2472	26/8	18.70	18.67	21.70	4.11	25.81	
		52/40	18.90	18.98	21.95	4.11	26.06	
		106/54	18.92	19.03	21.99	4.11	26.10	
802.11ax-HE40	2422	242/61	19.56	19.54	22.56	4.42	26.98	
	2462	242/62	17.86	17.54	20.71	4.11	24.82	

- Note: 1. The results have been included cable loss.  
 2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power  
 3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then  
 Directional gain =  $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$  dBi  
 2400MHz: Directional gain =  $10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42$  dBi  
 2450MHz: Directional gain =  $10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11$  dBi  
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).  
 4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).  
 5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.78	0.90	6.68	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.04	1.60	7.64	
	2480	6.03	3.50	9.53	
BLE (2Mbps)	2402	5.76	0.90	6.66	
	2440	6.13	1.60	7.73	
	2480	6.03	3.50	9.53	
BLE (PHY Coded S2)	2402	5.82	0.90	6.72	
	2440	6.11	1.60	7.71	
	2480	6.02	3.50	9.52	
BLE (PHY Coded S8)	2402	5.74	0.90	6.64	
	2440	6.10	1.60	7.70	
	2480	6.07	3.50	9.57	

- Note: 1. The results have been included cable loss.  
 2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).  
 3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Test SKU: SKU #3 (LG (INPAQ), WA-P-LBLB-04-110)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	21.09	21.09	21.09	2.90	3.10	24.19	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	20.95	20.60	20.95	2.90	3.10	23.85	
	2462	21.04	20.79	21.04	2.90	3.10	23.94	
	2467	20.87	20.89	20.89	2.90	3.10	23.99	
	2472	20.31	19.31	20.31	2.90	3.10	23.21	
802.11g	2412	20.91	21.10	21.10	2.90	3.10	24.20	
	2417	21.41	20.83	21.41	2.90	3.10	24.31	
	2442	21.16	20.74	21.16	2.90	3.10	24.06	
	2457	21.01	20.65	21.01	2.90	3.10	23.91	
	2462	20.79	21.02	21.02	2.90	3.10	24.12	
	2467	18.94	18.74	18.94	2.90	3.10	21.84	
	2472	16.68	16.42	16.68	2.90	3.10	19.58	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	18.77	18.95	21.87	3.00	24.87	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.05	21.29	24.18	3.00	27.18	
	2422	21.14	21.11	24.14	3.00	27.14	
	2442	21.26	21.29	24.29	3.00	27.29	
	2457	21.05	20.79	23.93	3.00	26.93	
	2462	19.06	19.07	22.08	3.00	25.08	
	2467	15.23	15.25	18.25	3.00	21.25	
	2472	10.79	11.08	13.95	3.00	16.95	
802.11n-HT40	2422	19.67	19.93	22.81	3.00	25.81	
	2442	20.60	21.06	23.85	3.00	26.85	
	2452	19.73	20.15	22.96	3.00	25.96	
	2457	14.93	15.28	18.12	3.00	21.12	
	2462	11.78	11.96	14.88	3.00	17.88	
802.11ax-HE20	2412	19.13	19.12	22.14	3.00	25.14	
	2417	21.15	21.38	24.28	3.00	27.28	
	2422	20.73	20.97	23.86	3.00	26.86	
	2442	21.20	21.12	24.17	3.00	27.17	
	2457	20.96	21.21	24.10	3.00	27.10	
	2462	19.29	19.44	22.38	3.00	25.38	
	2467	15.73	15.37	18.56	3.00	21.56	
	2472	11.03	11.24	14.15	3.00	17.15	
802.11ax-HE40	2422	19.69	19.50	22.61	3.00	25.61	
	2442	20.60	20.95	23.79	3.00	26.79	
	2452	19.19	20.01	22.63	3.00	25.63	
	2457	14.69	15.00	17.86	3.00	20.86	
	2462	11.85	11.92	14.90	3.00	17.90	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P. <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	20.60	20.70	23.66	3.00	26.66	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	20.58	20.90	23.75	3.00	26.75	
		106/53	23.87	23.81	26.85	3.00	29.85	
	2472	26/8	18.68	18.54	21.62	3.00	24.62	
		52/40	18.88	18.79	21.85	3.00	24.85	
		106/54	19.00	18.85	21.94	3.00	24.94	
802.11ax-HE40	2422	242/61	19.43	19.67	22.56	3.00	25.56	
	2462	242/62	17.65	17.49	20.58	3.00	23.58	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0 \text{ dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

5. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.68	2.90	8.58	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.01	2.90	8.91	
	2480	5.92	2.90	8.82	
BLE (2Mbps)	2402	5.68	2.90	8.58	
	2440	6.02	2.90	8.92	
	2480	5.99	2.90	8.89	
BLE (PHY Coded S2)	2402	5.62	2.90	8.52	
	2440	6.00	2.90	8.90	
	2480	5.90	2.90	8.80	
BLE (PHY Coded S8)	2402	5.68	2.90	8.58	
	2440	5.97	2.90	8.87	
	2480	5.98	2.90	8.88	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.



● **Original FCC ID: BEJNT-16Z90R & IC: 2703H-16Z90R Power**

Test SKU: SKU #1 (LG (INPAQ), WA-P-LELE-04-009)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	23.220	23.290	23.290	1.90	2.20	25.490	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.210	23.350	23.350	2.40	2.30	25.650	
	2462	23.260	23.140	23.260	2.40	2.30	25.660	
	2467	22.660	22.240	22.660	2.40	2.30	25.060	
	2472	20.580	19.670	20.580	2.40	2.30	22.980	
802.11g	2412	21.330	21.370	21.370	1.90	2.20	23.570	
	2417	23.170	23.510	23.510	1.90	2.20	25.710	
	2442	23.850	23.910	23.910	2.40	2.30	26.250	
	2457	23.030	22.730	23.030	2.40	2.30	25.430	
	2462	21.190	21.290	21.290	2.40	2.30	23.590	
	2467	19.130	18.970	19.130	2.40	2.30	21.530	
	2472	16.970	16.810	16.970	2.40	2.30	19.370	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	19.090	19.290	22.201	2.05	24.251	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.320	21.650	24.498	2.05	26.548	
	2422	22.420	22.580	25.511	2.05	27.561	
	2442	23.630	23.860	26.757	2.35	29.107	
	2457	22.520	22.680	25.611	2.35	27.961	
	2462	19.420	19.550	22.496	2.35	24.846	
	2467	15.520	15.580	18.560	2.35	20.910	
	2472	11.220	11.270	14.255	2.35	16.605	
802.11n-HT40	2422	20.120	20.260	23.201	2.05	25.251	
	2442	20.910	21.480	24.215	2.35	26.565	
	2452	20.180	20.540	23.374	2.35	25.724	
	2457	15.110	15.640	18.393	2.35	20.743	
	2462	12.130	12.370	15.262	2.35	17.612	
802.11ax-HE20	2412	19.440	19.510	22.485	2.05	24.535	
	2417	21.520	21.730	24.637	2.05	26.687	
	2422	22.770	22.860	25.826	2.05	27.876	
	2442	23.760	23.880	26.831	2.35	29.181	
	2457	22.680	22.750	25.725	2.35	28.075	
	2462	19.710	19.680	22.705	2.35	25.055	
	2467	15.890	15.620	18.767	2.35	21.117	
	2472	11.490	11.520	14.515	2.35	16.865	
802.11ax-HE40	2422	20.010	19.910	22.971	2.05	25.021	
	2442	20.790	21.200	24.010	2.35	26.360	
	2452	19.560	20.200	22.902	2.35	25.252	
	2457	15.090	15.310	18.212	2.35	20.562	
	2462	12.270	12.250	15.270	2.35	17.620	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	21.150	21.200	24.185	2.05	26.235	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	21.020	21.270	24.157	2.05	26.207	
		106/53	24.220	24.110	27.176	2.05	29.226	
	2472	26/8	18.900	18.780	21.851	2.35	24.201	
		52/40	19.170	19.150	22.170	2.35	24.520	
		106/54	19.210	19.250	22.240	2.35	24.590	
802.11ax-HE40	2422	242/61	19.790	19.820	22.815	2.05	24.865	
	2462	242/62	17.970	17.730	20.862	2.35	23.212	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.850	2.20	8.050	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.140	2.30	8.440	
	2480	6.100	3.10	9.200	
BLE (2Mbps)	2402	5.860	2.20	8.060	
	2440	6.160	2.30	8.460	
	2480	6.110	3.10	9.210	
BLE (PHY Coded S2)	2402	5.850	2.20	8.050	
	2440	6.140	2.30	8.440	
	2480	6.080	3.10	9.180	
BLE (PHY Coded S8)	2402	5.840	2.20	8.040	
	2440	6.140	2.30	8.440	
	2480	6.090	3.10	9.190	

Note: 1. The results have been included cable loss.  
 2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

Test SKU: SKU #2 (With LG (Luxshare), L1LRF008-CS-H)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	23.220	23.290	23.290	0.90	6.30	29.590	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.210	23.350	23.350	1.60	5.70	29.050	
	2462	23.260	23.140	23.260	1.60	5.70	28.840	
	2467	22.660	22.240	22.660	1.60	5.70	27.940	
	2472	20.580	19.670	20.580	1.60	5.70	25.370	
802.11g	2412	21.330	21.370	21.370	0.90	6.30	27.670	
	2417	23.170	23.510	23.510	0.90	6.30	29.810	
	2442	23.850	23.910	23.910	1.60	5.70	29.610	
	2457	23.030	22.730	23.030	1.60	5.70	28.430	
	2462	21.190	21.290	21.290	1.60	5.70	26.990	
	2467	19.130	18.970	19.130	1.60	5.70	24.670	
	2472	16.970	16.810	16.970	1.60	5.70	22.510	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	19.090	19.290	22.201	4.42	26.621	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.320	21.650	24.498	4.42	28.918	
	2422	22.420	22.580	25.511	4.42	29.931	
	2442	23.630	23.860	26.757	4.11	30.867	
	2457	22.520	22.680	25.611	4.11	29.721	
	2462	19.420	19.550	22.496	4.11	26.606	
	2467	15.520	15.580	18.560	4.11	22.670	
	2472	11.220	11.270	14.255	4.11	18.365	
802.11n-HT40	2422	20.120	20.260	23.201	4.42	27.621	
	2442	20.910	21.480	24.215	4.11	28.325	
	2452	20.180	20.540	23.374	4.11	27.484	
	2457	15.110	15.640	18.393	4.11	22.503	
	2462	12.130	12.370	15.262	4.11	19.372	
802.11ax-HE20	2412	19.440	19.510	22.485	4.42	26.905	
	2417	21.520	21.730	24.637	4.42	29.057	
	2422	22.770	22.860	25.826	4.42	30.246	
	2442	23.760	23.880	26.831	4.11	30.941	
	2457	22.680	22.750	25.725	4.11	29.835	
	2462	19.710	19.680	22.705	4.11	26.815	
	2467	15.890	15.620	18.767	4.11	22.877	
	2472	11.490	11.520	14.515	4.11	18.625	
802.11ax-HE40	2422	20.010	19.910	22.971	4.42	27.391	
	2442	20.790	21.200	24.010	4.11	28.120	
	2452	19.560	20.200	22.902	4.11	27.012	
	2457	15.090	15.310	18.212	4.11	22.322	
	2462	12.270	12.250	15.270	4.11	19.380	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	21.150	21.200	24.185	4.42	28.605	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	21.020	21.270	24.157	4.42	28.577	
		106/53	24.220	24.110	27.176	4.42	31.596	
	2472	26/8	18.900	18.780	21.851	4.11	25.961	
		52/40	19.170	19.150	22.170	4.11	26.280	
		106/54	19.210	19.250	22.240	4.11	26.350	
802.11ax-HE40	2422	242/61	19.790	19.820	22.815	4.42	27.235	
	2462	242/62	17.970	17.730	20.862	4.11	24.972	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.850	0.90	6.750	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.140	1.60	7.740	
	2480	6.100	3.50	9.600	
BLE (2Mbps)	2402	5.860	0.90	6.760	
	2440	6.160	1.60	7.760	
	2480	6.110	3.50	9.610	
BLE (PHY Coded S2)	2402	5.850	0.90	6.750	
	2440	6.140	1.60	7.740	
	2480	6.080	3.50	9.580	
BLE (PHY Coded S8)	2402	5.840	0.90	6.740	
	2440	6.140	1.60	7.740	
	2480	6.090	3.50	9.590	

Note: 1. The results have been included cable loss.  
 2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).



Test SKU: SKU #1 (LG (INPAQ), WA-P-LBLB-04-110)

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main		Aux	Main		
802.11b	2412	21.280	21.200	21.280	2.90	3.10	24.300	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	21.220	20.900	21.220	2.90	3.10	24.120	
	2462	21.180	21.050	21.180	2.90	3.10	24.150	
	2467	21.140	21.130	21.140	2.90	3.10	24.230	
	2472	20.460	19.600	20.460	2.90	3.10	23.360	
802.11g	2412	21.140	21.250	21.250	2.90	3.10	24.350	
	2417	21.540	21.050	21.540	2.90	3.10	24.440	
	2442	21.270	20.860	21.270	2.90	3.10	24.170	
	2457	21.250	20.830	21.250	2.90	3.10	24.150	
	2462	21.010	21.130	21.130	2.90	3.10	24.230	
	2467	19.050	18.920	19.050	2.90	3.10	22.020	
	2472	16.900	16.700	16.900	2.90	3.10	19.800	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P. <sup>Note 4</sup> (dBm)	Limit
		Aux	Main				
802.11n-HT20	2412	19.020	19.130	22.086	3.00	25.086	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.160	21.580	24.385	3.00	27.385	
	2422	21.330	21.320	24.335	3.00	27.335	
	2442	21.400	21.550	24.486	3.00	27.486	
	2457	21.280	21.030	24.167	3.00	27.167	
	2462	19.310	19.360	22.345	3.00	25.345	
	2467	15.370	15.440	18.415	3.00	21.415	
	2472	11.030	11.180	14.116	3.00	17.116	
802.11n-HT40	2422	19.930	20.190	23.072	3.00	26.072	
	2442	20.730	21.360	24.067	3.00	27.067	
	2452	20.030	20.370	23.214	3.00	26.214	
	2457	15.060	15.540	18.317	3.00	21.317	
	2462	12.080	12.240	15.171	3.00	18.171	
802.11ax-HE20	2412	19.380	19.330	22.365	3.00	25.365	
	2417	21.330	21.640	24.498	3.00	27.498	
	2422	21.030	21.200	24.126	3.00	27.126	
	2442	21.340	21.420	24.390	3.00	27.390	
	2457	21.230	21.310	24.280	3.00	27.280	
	2462	19.530	19.540	22.545	3.00	25.545	
	2467	15.830	15.570	18.712	3.00	21.712	
	2472	11.310	11.440	14.386	3.00	17.386	
802.11ax-HE40	2422	19.920	19.770	22.856	3.00	25.856	
	2442	20.710	21.140	23.941	3.00	26.941	
	2452	19.460	20.120	22.813	3.00	25.813	
	2457	14.930	15.250	18.103	3.00	21.103	
	2462	12.080	12.130	15.115	3.00	18.115	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log\left[\frac{10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}}{N_{ANT}}\right] \text{ dBi}$$

$$\text{Directional gain} = 10 \log\left[\frac{10^{2.6/10} + 10^{2.7/10}}{2}\right] = 3.0 \text{ dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power <sup>Note 2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	E.I.R.P <sup>Note 4</sup> (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/30	20.800	20.950	23.886	3.00	26.886	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	20.870	21.110	24.002	3.00	27.002	
		106/53	24.020	23.960	27.000	3.00	30.000	
	2472	26/8	18.850	18.660	21.766	3.00	24.766	
		52/40	19.070	18.950	22.021	3.00	25.021	
		106/54	19.110	19.080	22.105	3.00	25.105	
802.11ax-HE40	2422	242/61	19.700	19.770	22.745	3.00	25.745	
	2462	242/62	17.870	17.620	20.757	3.00	23.757	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Aux		
BLE (1Mbps)	2402	5.730	2.90	8.630	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.070	2.90	8.970	
	2480	6.000	2.90	8.900	
BLE (2Mbps)	2402	5.770	2.90	8.670	
	2440	6.090	2.90	8.990	
	2480	6.050	2.90	8.950	
BLE (PHY Coded S2)	2402	5.720	2.90	8.620	
	2440	6.040	2.90	8.940	
	2480	5.960	2.90	8.860	
BLE (PHY Coded S8)	2402	5.710	2.90	8.610	
	2440	6.070	2.90	8.970	
	2480	6.020	2.90	8.920	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

3. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

A.3.2 Average Output Power (Reporting only)

● **SPOT Check**

Test SKU: SKU #1 (LG (INPAQ), WA-P-LELE-04-009)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	19.48	19.70	N/A	19.70	1.90	2.20	21.90	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.54	19.70		19.70	2.40	2.30	22.00	
	2462	19.74	19.60		19.74	2.40	2.30	22.14	
	2467	18.83	18.46		18.83	2.40	2.30	21.23	
	2472	16.46	15.41		16.46	2.40	2.30	18.86	
802.11g	2412	16.21	16.41	N/A	16.41	1.90	2.20	18.61	
	2417	18.20	18.71		18.71	1.90	2.20	20.91	
	2442	18.99	19.41		19.41	2.40	2.30	21.71	
	2457	18.07	17.84		18.07	2.40	2.30	20.47	
	2462	16.21	16.23		16.23	2.40	2.30	18.61	
	2467	14.03	13.77		14.03	2.40	2.30	16.43	
	2472	11.12	10.87		11.12	2.40	2.30	13.52	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power <sup>Note2</sup> (dBm)	Directional Gain <sup>Note 3</sup> (dBi)	Average Output Power (E.I.R.P) <sup>Note4</sup> (dBm)	Limit
		Aux	Main					
802.11n-HT20	2412	14.08	14.35	N/A	17.23	2.05	19.28	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.27	16.55		19.42	2.05	21.47	
	2422	17.50	17.69		20.61	2.05	22.66	
	2442	18.96	19.32		22.15	2.35	24.50	
	2457	17.43	17.65		20.55	2.35	22.90	
	2462	14.35	14.57		17.47	2.35	19.82	
	2467	10.46	10.35		13.42	2.35	15.77	
	2472	5.22	5.31		8.28	2.35	10.63	
802.11n-HT40	2422	13.59	13.77	N/A	16.69	2.05	18.74	
	2442	14.53	14.88		17.72	2.35	20.07	
	2452	13.64	13.91		16.79	2.35	19.14	
	2457	8.80	9.01		11.92	2.35	14.27	
	2462	5.62	5.66		8.65	2.35	11.00	
802.11ax-HE20	2412	14.33	14.39	N/A	17.37	2.05	19.42	
	2417	16.33	16.58		19.47	2.05	21.52	
	2422	17.64	17.67		20.67	2.05	22.72	
	2442	19.18	19.43		22.32	2.35	24.67	
	2457	17.73	17.59		20.67	2.35	23.02	
	2462	14.51	14.57		17.55	2.35	19.90	
	2467	10.80	10.47		13.65	2.35	16.00	
	2472	5.12	5.14		8.14	2.35	10.49	
802.11ax-HE40	2422	13.41	13.62	N/A	16.53	2.05	18.58	
	2442	14.28	14.67		17.49	2.35	19.84	
	2452	13.35	13.74		16.56	2.35	18.91	
	2457	8.55	8.96		11.77	2.35	14.12	
	2462	5.10	5.24		8.18	2.35	10.53	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note2 (dBm)	Directional Gain Note3 (dBi)	Average Output Power (E.I.R.P)Note4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	16.24	16.37	0.306	19.62	2.05	21.67	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.11	16.39	0.159	19.42	2.05	21.47	
		106/53	12.68	13.13	N/A	15.92	2.05	17.97	
	2472	26/8	4.87	5.04	0.306	8.27	2.35	10.62	
		52/40	5.76	5.76	0.159	8.93	2.35	11.28	
		106/54	6.02	6.03	N/A	9.04	2.35	11.39	
802.11ax-HE40	2422	242/61	14.32	14.69	0.150	17.67	2.05	19.72	
	2462	242/62	6.07	6.19	0.150	9.29	2.35	11.64	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Test SKU: SKU #2 (With LG (Luxshare), L1LRF008-CS-H)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	19.48	19.70	N/A	19.70	0.90	6.30	26.00	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.54	19.70		19.70	1.60	5.70	25.40	
	2462	19.74	19.60		19.74	1.60	5.70	25.30	
	2467	18.83	18.46		18.83	1.60	5.70	24.16	
	2472	16.46	15.41		16.46	1.60	5.70	21.11	
802.11g	2412	16.21	16.41	N/A	16.41	0.90	6.30	22.71	
	2417	18.20	18.71		18.71	0.90	6.30	25.01	
	2442	18.99	19.41		19.41	1.60	5.70	25.11	
	2457	18.07	17.84		18.07	1.60	5.70	23.54	
	2462	16.21	16.23		16.23	1.60	5.70	21.93	
	2467	14.03	13.77		14.03	1.60	5.70	19.47	
	2472	11.12	10.87		11.12	1.60	5.70	16.57	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.



Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power Note2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note4 (dBm)	Limit
		Aux	Main					
802.11n- HT20	2412	14.08	14.35	N/A	17.23	4.42	21.65	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.27	16.55		19.42	4.42	23.84	
	2422	17.50	17.69		20.61	4.42	25.03	
	2442	18.96	19.32		22.15	4.11	26.26	
	2457	17.43	17.65		20.55	4.11	24.66	
	2462	14.35	14.57		17.47	4.11	21.58	
	2467	10.46	10.35		13.42	4.11	17.53	
	2472	5.22	5.31		8.28	4.11	12.39	
802.11n- HT40	2422	13.59	13.77	N/A	16.69	4.42	21.11	
	2442	14.53	14.88		17.72	4.11	21.83	
	2452	13.64	13.91		16.79	4.11	20.90	
	2457	8.80	9.01		11.92	4.11	16.03	
	2462	5.62	5.66		8.65	4.11	12.76	
802.11ax- HE20	2412	14.33	14.39	N/A	17.37	4.42	21.79	
	2417	16.33	16.58		19.47	4.42	23.89	
	2422	17.64	17.67		20.67	4.42	25.09	
	2442	19.18	19.43		22.32	4.11	26.43	
	2457	17.73	17.59		20.67	4.11	24.78	
	2462	14.51	14.57		17.55	4.11	21.66	
	2467	10.80	10.47		13.65	4.11	17.76	
	2472	5.12	5.14		8.14	4.11	12.25	
802.11ax- HE40	2422	13.41	13.62	N/A	16.53	4.42	20.95	
	2442	14.28	14.67		17.49	4.11	21.60	
	2452	13.35	13.74		16.56	4.11	20.67	
	2457	8.55	8.96		11.77	4.11	15.88	
	2462	5.10	5.24		8.18	4.11	12.29	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note 4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	16.24	16.37	0.306	19.62	4.42	24.04	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.11	16.39	0.159	19.42	4.42	23.84	
		106/53	12.68	13.13	N/A	15.92	4.42	20.34	
	2472	26/8	4.87	5.04	0.306	8.27	4.11	12.38	
		52/40	5.76	5.76	0.159	8.93	4.11	13.04	
		106/54	6.02	6.03	N/A	9.04	4.11	13.15	
802.11ax-HE40	2422	242/61	14.32	14.69	0.150	17.67	4.42	22.09	
	2462	242/62	6.07	6.19	0.150	9.29	4.11	13.40	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Test SKU: SKU #3 (LG (INPAQ), WA-P-LBLB-04-110)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	16.84	16.89	N/A	16.89	2.90	3.10	19.99	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	16.81	17.01		17.01	2.90	3.10	20.11	
	2462	16.73	16.79		16.79	2.90	3.10	19.89	
	2467	16.75	16.74		16.75	2.90	3.10	19.84	
	2472	16.34	15.32		16.34	2.90	3.10	19.24	
802.11g	2412	16.220	16.290	N/A	16.29	2.90	3.10	19.39	
	2417	16.280	15.830		16.28	2.90	3.10	19.18	
	2442	16.300	15.850		16.30	2.90	3.10	19.20	
	2457	16.180	15.680		16.18	2.90	3.10	19.08	
	2462	16.020	16.000		16.02	2.90	3.10	19.10	
	2467	13.840	13.640		13.84	2.90	3.10	16.74	
	2472	11.000	10.860		11.00	2.90	3.10	13.96	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note 4 (dBm)	Limit
		Aux	Main					
802.11n- HT20	2412	13.87	14.21	N/A	17.05	3.00	20.05	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.21	16.43		19.33	3.00	22.33	
	2422	16.33	16.31		19.33	3.00	22.33	
	2442	16.24	16.22		19.24	3.00	22.24	
	2457	16.03	15.95		19.00	3.00	22.00	
	2462	14.31	14.25		17.29	3.00	20.29	
	2467	10.44	10.42		13.44	3.00	16.44	
	2472	5.12	5.20		8.17	3.00	11.17	
802.11n- HT40	2422	13.56	13.74	N/A	16.66	3.00	19.66	
	2442	14.25	14.72		17.50	3.00	20.50	
	2452	13.44	13.89		16.68	3.00	19.68	
	2457	8.80	8.93		11.88	3.00	14.88	
	2462	5.41	5.70		8.57	3.00	11.57	
802.11ax- HE20	2412	14.02	14.17	N/A	17.11	3.00	20.11	
	2417	16.40	16.50		19.46	3.00	22.46	
	2422	16.16	16.06		19.12	3.00	22.12	
	2442	16.21	16.23		19.23	3.00	22.23	
	2457	15.99	16.22		19.12	3.00	22.12	
	2462	14.53	14.50		17.53	3.00	20.53	
	2467	10.51	10.47		13.50	3.00	16.50	
	2472	5.07	5.12		8.11	3.00	11.11	
802.11ax- HE40	2422	13.34	13.59	N/A	16.48	3.00	19.48	
	2442	14.12	14.65		17.40	3.00	20.40	
	2452	13.14	13.64		16.41	3.00	19.41	
	2457	8.50	8.69		11.61	3.00	14.61	
	2462	5.05	5.13		8.10	3.00	11.10	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0 \text{ dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note 4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	15.43	16.06	0.306	19.07	3.00	22.07	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	15.96	16.34	0.159	19.32	3.00	22.32	
		106/53	12.64	12.98	N/A	15.82	3.00	18.82	
	2472	26/8	4.85	5.03	0.306	8.26	3.00	11.26	
		52/40	5.76	5.79	0.159	8.94	3.00	11.94	
		106/54	5.81	6.02	N/A	8.93	3.00	11.93	
802.11ax-HE40	2422	242/61	14.08	14.35	0.150	17.38	3.00	20.38	
	2462	242/62	5.94	6.14	0.150	9.20	3.00	12.20	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0 \text{ dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

● **Original FCC ID: BEJNT-16Z90R & IC: 2703H-16Z90R Power**

Test SKU: SKU #1 (LG (INPAQ), WA-P-LELE-04-009)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	19.75	19.96	N/A	19.960	1.90	2.20	22.160	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.72	19.91		19.910	2.40	2.30	22.210	
	2462	19.87	19.89		19.890	2.40	2.30	22.270	
	2467	19.04	18.72		19.040	2.40	2.30	21.440	
	2472	16.68	15.69		16.680	2.40	2.30	19.080	
802.11g	2412	16.500	16.610	0.101	16.711	1.90	2.20	18.911	
	2417	18.440	18.910		19.090	1.90	2.20	23.390	
	2442	19.200	19.570		19.671	2.40	2.30	21.971	
	2457	18.300	18.110		18.401	2.40	2.30	20.801	
	2462	16.340	16.400		16.501	2.40	2.30	20.990	
	2467	14.230	13.960		14.331	2.40	2.30	16.731	
	2472	11.350	11.160		11.451	2.40	2.30	15.700	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power Note2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P) <sup>Note4</sup> (dBm)	Limit
		Aux	Main					
802.11n- HT20	2412	14.310	14.530	N/A	17.432	2.05	19.482	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.490	16.710		19.612	2.05	21.662	
	2422	17.620	17.820		20.731	2.05	22.781	
	2442	19.240	19.620		22.444	2.35	24.794	
	2457	17.730	17.810		20.780	2.35	23.130	
	2462	14.550	14.690		17.631	2.35	19.981	
	2467	10.730	10.610		13.681	2.35	16.031	
	2472	5.520	5.510		8.525	2.35	10.875	
802.11n- HT40	2422	13.860	14.020	N/A	16.951	2.05	19.001	
	2442	14.710	15.180		17.962	2.35	20.312	
	2452	13.850	14.130		17.003	2.35	19.353	
	2457	9.020	9.280		12.162	2.35	14.512	
	2462	5.730	5.930		8.841	2.35	11.191	
802.11ax- HE20	2412	14.460	14.610	N/A	17.546	2.05	19.596	
	2417	16.590	16.840		19.727	2.05	21.777	
	2422	17.840	17.890		20.875	2.05	22.925	
	2442	19.330	19.730		22.545	2.35	24.895	
	2457	17.870	17.880		20.885	2.35	23.235	
	2462	14.720	14.760		17.750	2.35	20.100	
	2467	10.900	10.700		13.811	2.35	16.161	
	2472	5.420	5.430		8.435	2.35	10.785	
802.11ax- HE40	2422	13.570	13.870	N/A	16.733	2.05	18.783	
	2442	14.500	14.900		17.715	2.35	20.065	
	2452	13.520	13.880		16.714	2.35	19.064	
	2457	8.830	9.060		11.957	2.35	14.307	
	2462	5.300	5.540		8.432	2.35	10.782	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note2 (dBm)	Directional Gain Note3 (dBi)	Average Output Power (E.I.R.P)Note4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	16.390	16.650	0.306	19.838	2.05	21.888	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.370	16.620	0.159	19.666	2.05	21.716	
		106/53	12.940	13.320	N/A	16.144	2.05	18.194	
	2472	26/8	5.080	5.270	0.306	8.492	2.35	10.842	
		52/40	5.990	6.060	0.159	9.194	2.35	11.544	
		106/54	6.240	6.210	N/A	9.235	2.35	11.585	
802.11ax-HE40	2422	242/61	14.490	14.830	0.164	17.838	2.05	19.888	
	2462	242/62	6.230	6.360	0.164	9.470	2.35	11.820	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).



Test SKU: SKU #2 (With LG (Luxshare), L1LRF008-CS-H)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	19.75	19.96	N/A	19.960	0.90	6.30	26.260	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.72	19.91		19.910	1.60	5.70	25.610	
	2462	19.87	19.89		19.890	1.60	5.70	25.590	
	2467	19.04	18.72		19.040	1.60	5.70	24.420	
	2472	16.68	15.69		16.680	1.60	5.70	21.390	
802.11g	2412	16.500	16.610	0.101	16.711	0.90	6.30	23.011	
	2417	18.440	18.910		19.090	0.90	6.30	23.390	
	2442	19.200	19.570		19.671	1.60	5.70	25.371	
	2457	18.300	18.110		18.401	1.60	5.70	23.911	
	2462	16.340	16.400		16.501	1.60	5.70	20.990	
	2467	14.230	13.960		14.331	1.60	5.70	19.761	
	2472	11.350	11.160		11.451	1.60	5.70	15.700	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power Note2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note4 (dBm)	Limit
		Aux	Main					
802.11n- HT20	2412	14.310	14.530	N/A	17.432	4.42	21.852	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.490	16.710		19.612	4.42	24.032	
	2422	17.620	17.820		20.731	4.42	25.151	
	2442	19.240	19.620		22.444	4.11	26.554	
	2457	17.730	17.810		20.780	4.11	24.890	
	2462	14.550	14.690		17.631	4.11	21.741	
	2467	10.730	10.610		13.681	4.11	17.791	
	2472	5.520	5.510		8.525	4.11	12.635	
802.11n- HT40	2422	13.860	14.020	N/A	16.951	4.42	21.371	
	2442	14.710	15.180		17.962	4.11	22.072	
	2452	13.850	14.130		17.003	4.11	21.113	
	2457	9.020	9.280		12.162	4.11	16.272	
	2462	5.730	5.930		8.841	4.11	12.951	
802.11ax- HE20	2412	14.460	14.610	N/A	17.546	4.42	21.966	
	2417	16.590	16.840		19.727	4.42	24.147	
	2422	17.840	17.890		20.875	4.42	25.295	
	2442	19.330	19.730		22.545	4.11	26.655	
	2457	17.870	17.880		20.885	4.11	24.995	
	2462	14.720	14.760		17.750	4.11	21.860	
	2467	10.900	10.700		13.811	4.11	17.921	
	2472	5.420	5.430		8.435	4.11	12.545	
802.11ax- HE40	2422	13.570	13.870	N/A	16.733	4.42	21.153	
	2442	14.500	14.900		17.715	4.11	21.825	
	2452	13.520	13.880		16.714	4.11	20.824	
	2457	8.830	9.060		11.957	4.11	16.067	
	2462	5.300	5.540		8.432	4.11	12.542	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) <sup>Note 4</sup>	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	16.390	16.650	0.306	19.838	4.42	24.258	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.370	16.620	0.159	19.666	4.42	24.086	
		106/53	12.940	13.320	N/A	16.144	4.42	20.564	
	2472	26/8	5.080	5.270	0.306	8.492	4.11	12.602	
		52/40	5.990	6.060	0.159	9.194	4.11	13.304	
		106/54	6.240	6.210	N/A	9.235	4.11	13.345	
802.11ax-HE40	2422	242/61	14.490	14.830	0.164	17.838	4.42	22.258	
	2462	242/62	6.230	6.360	0.164	9.470	4.11	13.580	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Test SKU: SKU #1 (LG (INPAQ), WA-P-LBLB-04-110)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) <sup>Note 2</sup>	Limit
		Aux	Main			Aux	Main		
802.11b	2412	17.020	16.990	N/A	17.020	2.90	3.10	20.090	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	17.100	17.150		17.150	2.90	3.10	20.250	
	2462	16.950	16.930		16.950	2.90	3.10	20.030	
	2467	16.960	16.970		16.970	2.90	3.10	20.070	
	2472	16.570	15.520		16.570	2.90	3.10	19.470	
802.11g	2412	16.410	16.460	0.101	16.561	2.90	3.10	19.661	
	2417	16.520	16.120		16.621	2.90	3.10	23.390	
	2442	16.400	16.020		16.501	2.90	3.10	19.401	
	2457	16.410	15.980		16.511	2.90	3.10	19.411	
	2462	16.240	16.290		16.391	2.90	3.10	20.990	
	2467	14.110	13.810		14.211	2.90	3.10	17.111	
	2472	11.200	11.040		11.301	2.90	3.10	15.700	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max. of Average Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P) Note 4 (dBm)	Limit
		Aux	Main					
802.11n- HT20	2412	14.150	14.460	N/A	17.318	3.00	20.318	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.380	16.620		19.512	3.00	22.512	
	2422	16.430	16.550		19.501	3.00	22.501	
	2442	16.350	16.500		19.436	3.00	22.436	
	2457	16.230	16.180		19.215	3.00	22.215	
	2462	14.500	14.540		17.530	3.00	20.530	
	2467	10.590	10.560		13.585	3.00	16.585	
	2472	5.370	5.360		8.375	3.00	11.375	
802.11n- HT40	2422	13.790	13.860	N/A	16.835	3.00	19.835	
	2442	14.540	14.990		17.781	3.00	20.781	
	2452	13.690	14.040		16.879	3.00	19.879	
	2457	8.940	9.190		12.077	3.00	15.077	
	2462	5.540	5.860		8.713	3.00	11.713	
802.11ax- HE20	2412	14.310	14.450	N/A	17.391	3.00	20.391	
	2417	16.500	16.680		19.601	3.00	22.601	
	2422	16.340	16.320		19.340	3.00	22.340	
	2442	16.380	16.530		19.466	3.00	22.466	
	2457	16.250	16.400		19.336	3.00	22.336	
	2462	14.670	14.640		17.665	3.00	20.665	
	2467	10.750	10.570		13.671	3.00	16.671	
	2472	5.280	5.280		8.290	3.00	11.290	
802.11ax- HE40	2422	13.520	13.690	N/A	16.616	3.00	19.616	
	2442	14.340	14.810		17.592	3.00	20.592	
	2452	13.350	13.770		16.575	3.00	19.575	
	2457	8.710	8.930		11.832	3.00	14.832	
	2462	5.160	5.420		8.302	3.00	11.302	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0 \text{ dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note 4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/30	15.690	16.250	0.306	19.295	3.00	22.295	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.190	16.470	0.159	19.502	3.00	22.502	
		106/53	12.780	13.120	N/A	15.964	3.00	18.964	
	2472	26/8	4.990	5.220	0.306	8.423	3.00	11.423	
		52/40	5.870	5.950	0.159	9.079	3.00	12.079	
		106/54	6.080	6.150	N/A	9.125	3.00	12.125	
802.11ax-HE40	2422	242/61	14.360	14.650	0.164	17.682	3.00	20.682	
	2462	242/62	6.110	6.260	0.164	9.360	3.00	12.360	

Note: 1. The results have been included cable loss.

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.6/10} + 10^{2.7/10})/2] = 3.0\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Average Output Power (dBm)+ Directional Gain (dBi).