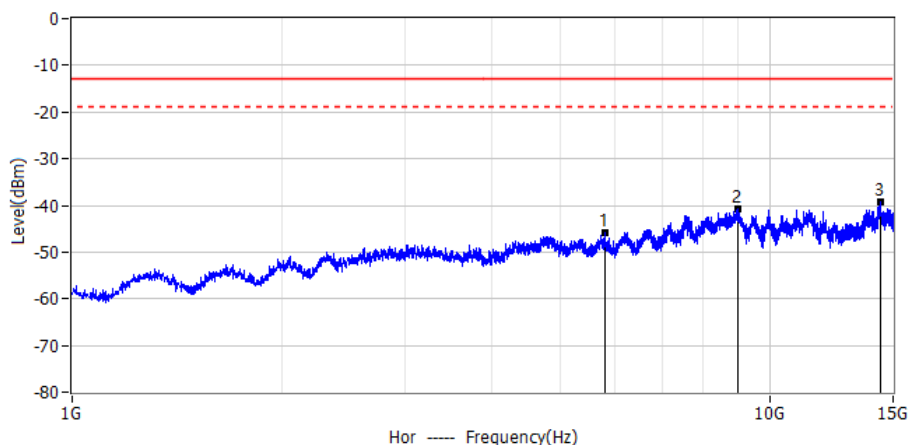


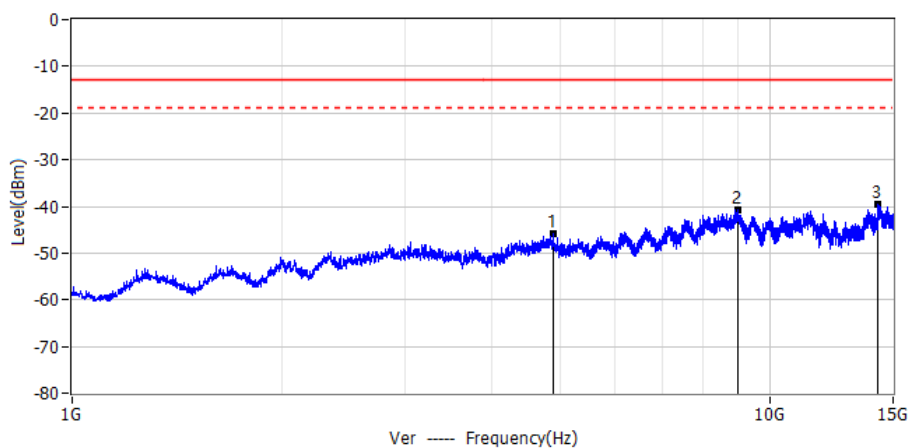


SH 2.0 E-WMTS_D8PSK

Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-03
Test Mode: SH 2.0 E-WMTS_D8PSK_CH11_1391.452	
Note: with remote antenna	



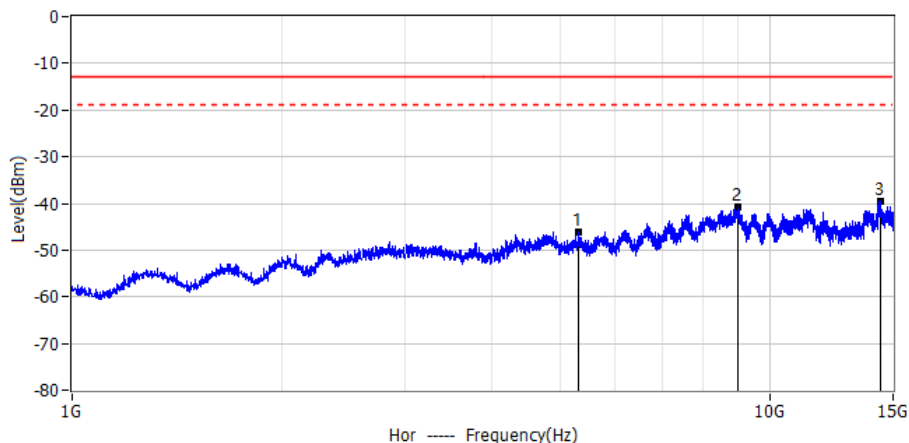
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	5.809GHz	-45.98	-13.00	-32.98	PK	Hor
2*	8.992GHz	-40.63	-13.00	-27.63	PK	Hor
3*	14.407GHz	-39.40	-13.00	-26.40	PK	Hor



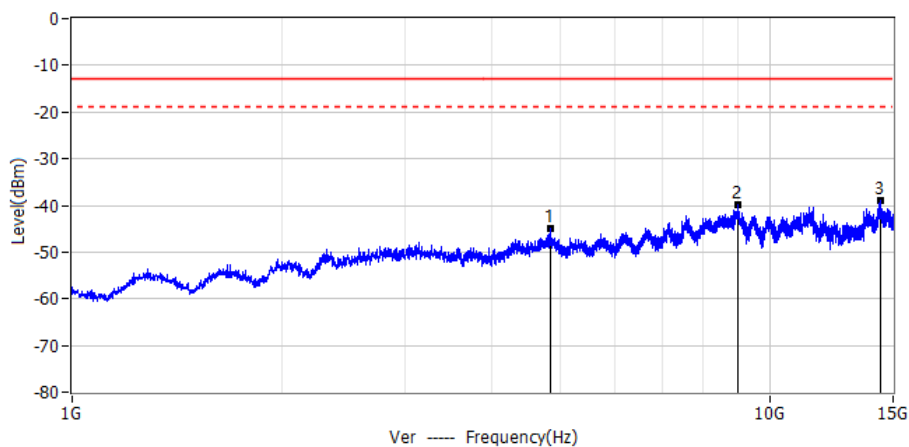
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.892GHz	-45.93	-13.00	-32.93	PK	Ver
2*	8.996GHz	-40.79	-13.00	-27.79	PK	Ver
3*	14.288GHz	-39.66	-13.00	-26.66	PK	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-03
Test Mode: SH 2.0 E-WMTS_D8PSK_CH13_1394.908	
Note: with remote antenna	



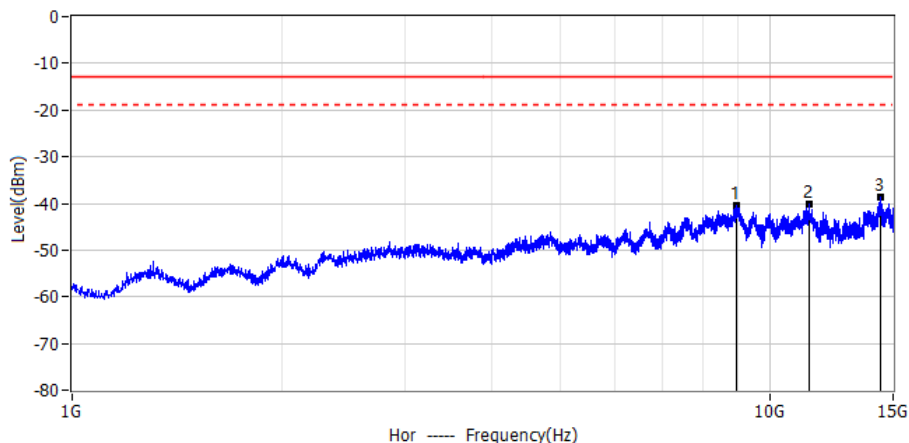
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	5.309GHz	-46.02	-13.00	-33.02	PK	Hor
2*	8.989GHz	-40.88	-13.00	-27.88	PK	Hor
3*	14.419GHz	-39.54	-13.00	-26.54	PK	Hor



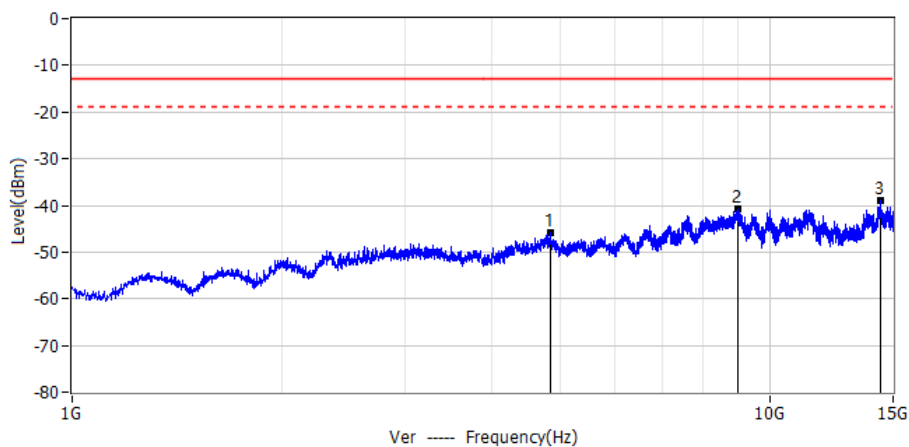
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.852GHz	-44.90	-13.00	-31.90	PK	Ver
2*	9.006GHz	-39.96	-13.00	-26.96	PK	Ver
3*	14.370GHz	-39.10	-13.00	-26.10	PK	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-03
Test Mode: SH 2.0 E-WMTS_D8PSK_CH18_1431.969	
Note: with remote antenna	



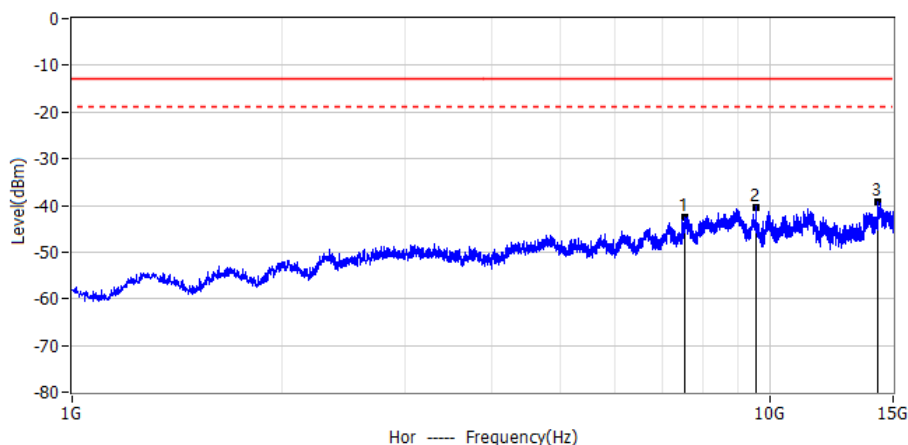
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	8.929GHz	-40.37	-13.00	-27.37	PK	Hor
2*	11.381GHz	-40.10	-13.00	-27.10	PK	Hor
3*	14.400GHz	-38.59	-13.00	-25.59	PK	Hor



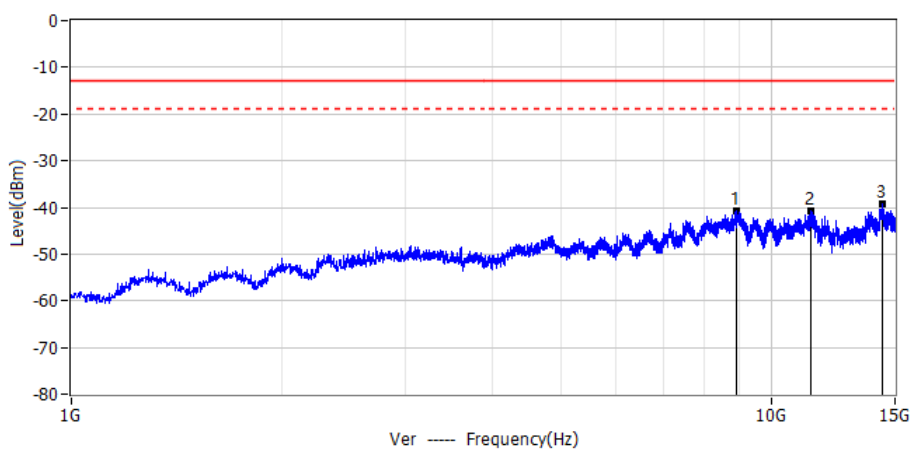
No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.841GHz	-45.94	-13.00	-32.94	PK	Ver
2*	8.996GHz	-40.72	-13.00	-27.72	PK	Ver
3*	14.419GHz	-39.09	-13.00	-26.09	PK	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-03
Test Mode: SH 2.0 E-WMTS_D8PSK_CH19_1433.697	
Note: with remote antenna	



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	7.554GHz	-42.63	-13.00	-29.63	PK	Hor
2*	9.531GHz	-40.30	-13.00	-27.30	PK	Hor
3*	14.290GHz	-39.22	-13.00	-26.22	PK	Hor



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	8.926GHz	-40.72	-13.00	-27.72	PK	Ver
2*	11.395GHz	-40.83	-13.00	-27.83	PK	Ver
3*	14.405GHz	-39.30	-13.00	-26.30	PK	Ver



7. RADIATED SPURIOUS EMISSION AND FIELDSTRENGTH (PART 95)

7.1 LIMIT

RADIATED SPURIOUS EMISSION

Below 1GHz

Frequencies (MHz)	Field Strength (micovolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Above 1GHz

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Fundamental Fieldstrength

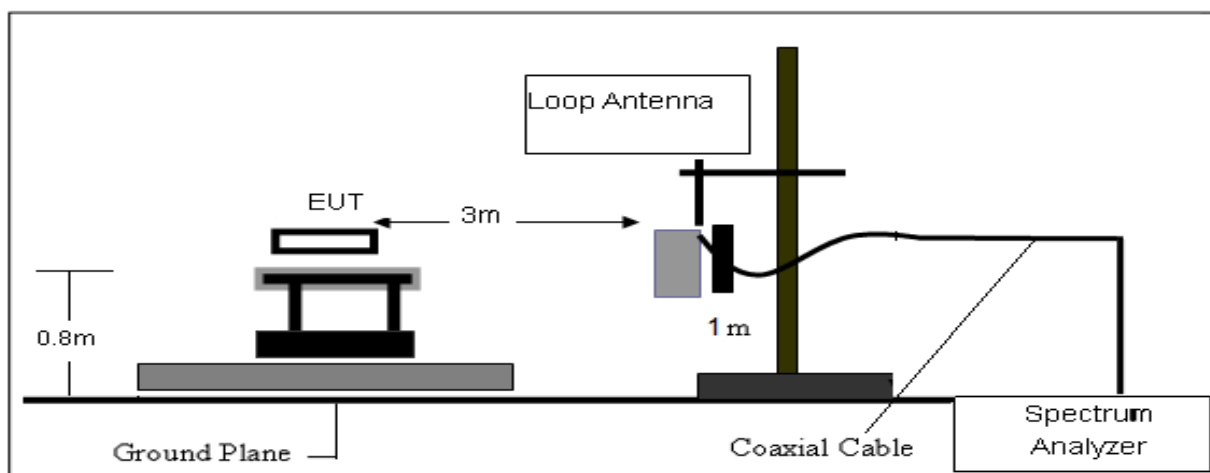
Frequency Band (MHz)	dBuV/m
1395.0 – 1400	117.4
1427.0 – 1400	117.4

Note: According to Part 95.369 the radiated field strength limit is 740 mV/m (117.4 dBuV/m) at 3 metres. To convert from field strength to an equivalent conducted power in dBm, subtract 95.2 dB. (117.4 - 95.2 = 22.2). The figure of 95.2 dB is arrived at using the formula $P = (V/m \times d) / 30$.

7.2 Test Setup

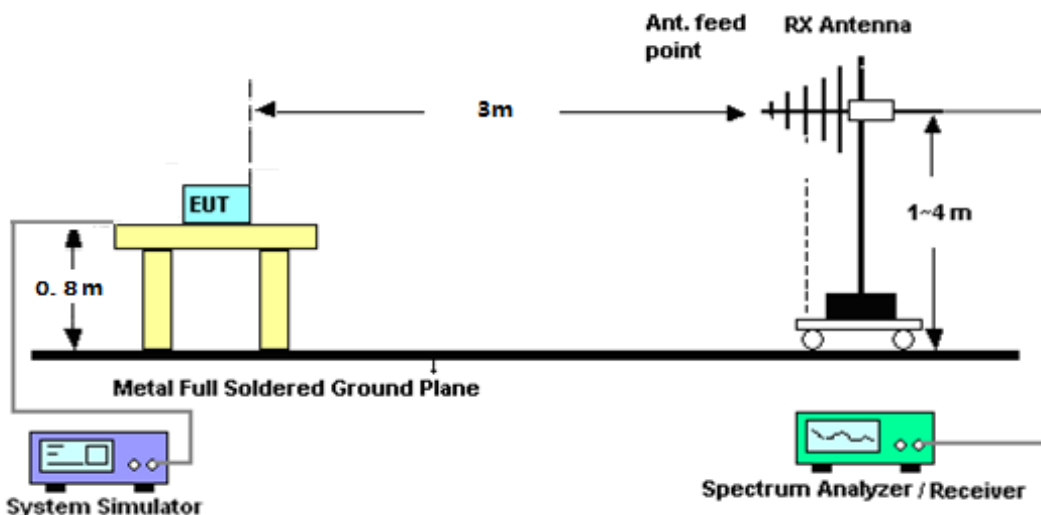
The procedure of radiated spurious emissions is as follows:

For radiated test from below 30MHz

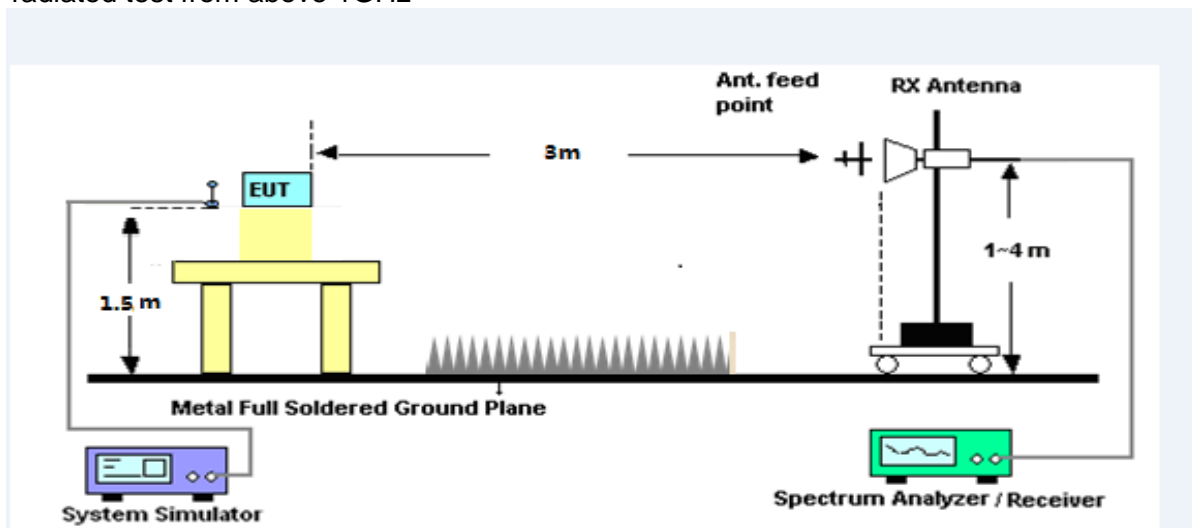




For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



7.3 TEST PROCEDURES

- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.



7.4 TEST RESULTS

Fundamental Fieldstrength

SH 1.0 WMTS with remote antenna

CH1	1395.8977MHz	75.80	29.97	105.77	117.40	-11.63	AV	Hor
CH1	1395.8977MHz	77.86	29.97	107.83	117.40	-9.57	AV	Ver
CH4	1427.8979MHz	75.13	30.04	105.17	117.40	-12.23	AV	Hor
CH4	1427.8979MHz	77.07	30.04	107.11	117.40	-10.29	AV	Ver
CH6	1431.0965MHz	75.08	30.05	105.13	117.40	-12.27	AV	Hor
CH6	1.431GHz	74.94	30.05	104.99	117.40	-12.41	AV	Ver

SH 1.0 WMTS without remote antenna

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH1	1395.8977MHz	75.57	29.97	105.54	117.40	-11.86	AV	Hor
CH1	1395.8977MHz	75.09	29.97	105.06	117.40	-12.34	AV	Ver
CH4	1427.8979MHz	75.09	30.04	105.13	117.40	-12.27	AV	Hor
CH4	1427.8979MHz	76.81	30.04	106.85	117.40	-10.55	AV	Ver
CH6	1431.0965MHz	75.07	30.05	105.12	117.40	-12.28	AV	Hor
CH6	1431.0965MHz	76.01	30.05	106.06	117.40	-11.34	AV	Ver

SH 2.0 WMTS with remote antenna

D8PSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH14	1396.636MHz	73.10	29.98	103.08	117.40	-14.32	AV	Hor
CH14	1396.636MHz	74.47	29.97	104.44	117.40	-12.96	AV	Ver
CH16	1428.513MHz	71.74	30.04	101.78	117.40	-15.62	AV	Hor
CH16	1428.513MHz	73.24	30.04	103.28	117.40	-14.12	AV	Ver
CH17	1430.241MHz	72.09	30.05	102.14	117.40	-15.26	AV	Hor
CH17	1430.241MHz	73.19	30.05	103.24	117.40	-14.16	AV	Ver

DBPSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH14	1396.636MHz	73.91	29.98	103.89	117.40	-13.51	AV	Hor
CH14	1396.636MHz	76.03	29.98	106.01	117.40	-11.39	AV	Ver
CH16	1428.513MHz	72.26	30.04	102.30	117.40	-15.10	AV	Hor
CH16	1428.513MHz	74.36	30.04	104.40	117.40	-13.00	AV	Ver
CH17	1428.513MHz	72.37	30.05	102.42	117.40	-14.98	AV	Hor
CH17	1428.513MHz	74.61	30.05	104.66	117.40	-12.74	AV	Ver



SH 2.0 WMTS without remote antenna

D8PSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH14	1396.636MHz	74.19	29.97	104.16	117.40	-13.24	AV	Hor
CH14	1396.636MHz	72.94	29.98	102.92	117.40	-14.48	AV	Ver
CH16	1428.513MHz	72.85	30.04	102.89	117.40	-14.51	AV	Hor
CH16	1428.513MHz	72.81	30.04	102.85	117.40	-14.55	AV	Ver
CH17	1430.241MHz	72.66	30.05	102.71	117.40	-14.69	AV	Hor
CH17	1430.241MHz	72.51	30.05	102.56	117.40	-14.84	AV	Ver

DBPSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH14	1396.636MHz	74.95	29.98	104.93	117.40	-12.47	AV	Hor
CH14	1396.636MHz	74.29	29.97	104.26	117.40	-13.14	AV	Ver
CH16	1428.513MHz	72.98	30.04	103.02	117.40	-14.38	AV	Hor
CH16	1428.513MHz	74.12	30.04	104.16	117.40	-13.24	AV	Ver
CH17	1430.241MHz	73.55	30.05	103.60	117.40	-13.80	AV	Hor
CH17	1430.241MHz	74.32	30.05	104.37	117.40	-13.03	AV	Ver

SH 2.0 E-WMTS with remote antenna

D8PSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH18	1431.969MHz	72.13	30.05	102.18	117.40	-15.22	AV	Hor
CH18	1431.969MHz	73.70	30.05	103.75	117.40	-13.65	AV	Ver

DBPSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH18	1431.969MHz	73.01	30.05	103.06	117.40	-14.34	AV	Hor
CH18	1431.969MHz	74.58	30.05	104.63	117.40	-12.77	AV	Ver

SH 2.0 E-WMTS without remote antenna

D8PSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH18	1431.969MHz	72.46	30.05	102.51	117.40	-14.89	AV	Hor
CH18	1431.969MHz	72.65	30.05	102.70	117.40	-14.70	AV	Ver

DBPSK

No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
CH18	1431.969MHz	75.32	30.05	105.37	117.40	-12.03	AV	Hor
CH18	1431.969MHz	74.87	30.05	104.92	117.40	-12.48	AV	Ver

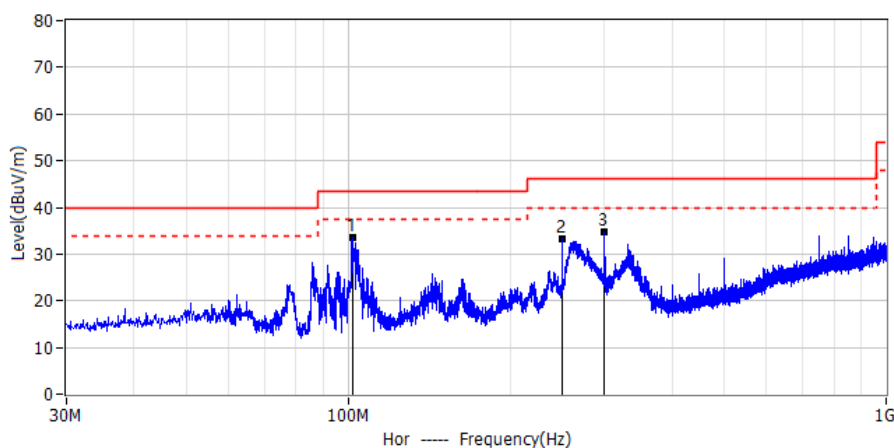


Radiated Spurious Emission

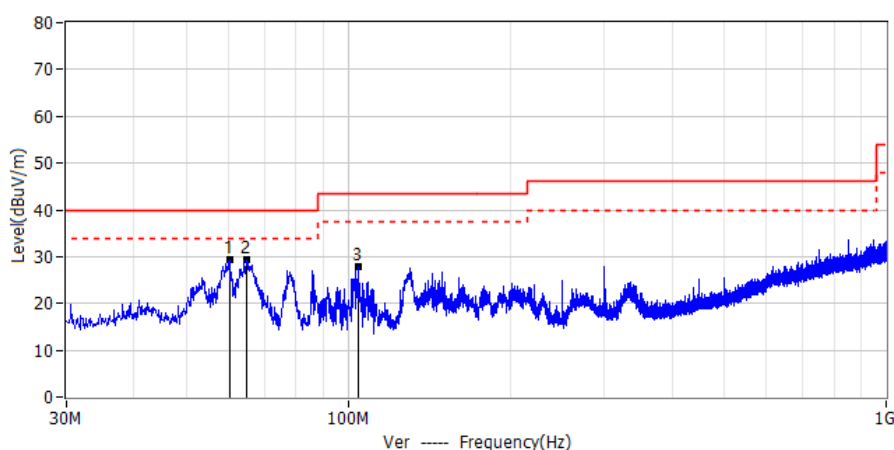
Note: Pre-test with remote antenna and without remote antenna modes, find the worst case is with remote antenna mode and recorded in this report.

Below 1GHz

Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 25.6°C
M/N: ITS867216A	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-11-17
Test Mode: 1.4GTX	
Note: with remote antenna	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	101.901MHz	23.24	10.41	33.65	43.50	-9.85	PK	Hor
2*	249.948MHz	20.72	12.56	33.28	46.00	-12.72	PK	Hor
3*	300.024MHz	20.46	14.41	34.87	46.00	-11.13	PK	Hor

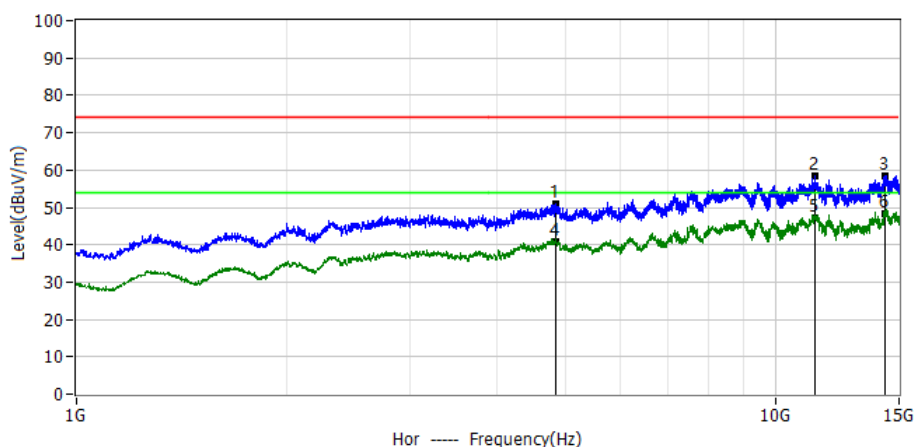


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	60.191MHz	16.35	13.12	29.47	40.00	-10.53	PK	Ver
2*	64.678MHz	17.02	12.39	29.41	40.00	-10.59	PK	Ver
3*	104.690MHz	17.25	10.67	27.92	43.50	-15.58	PK	Ver

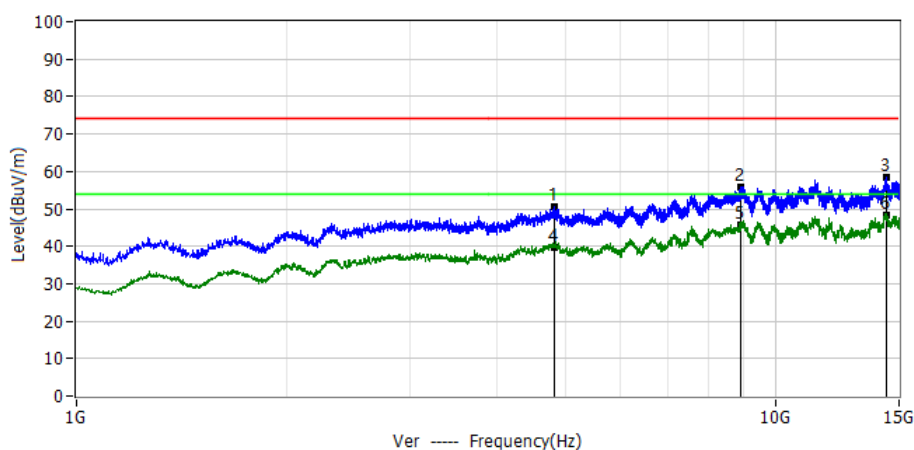


Above 1GHz

Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 1.0 WMTS_GFSK_CH1_1395.8977	
Note: with remote antenna	



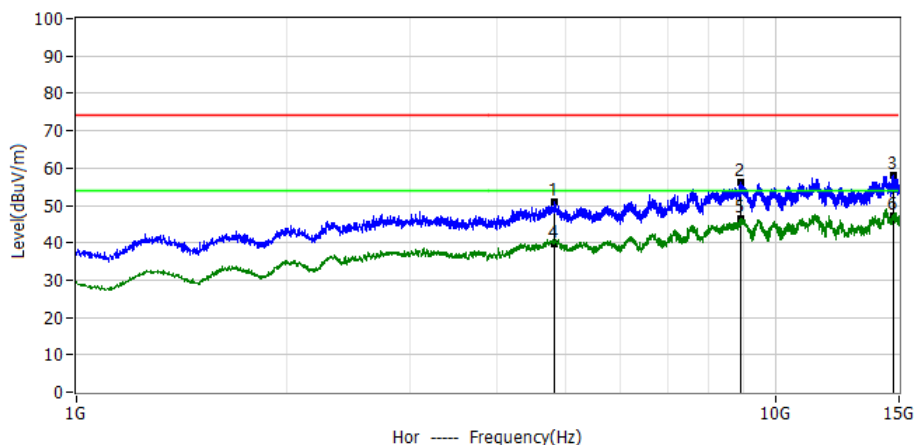
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.838GHz	56.83	-6.02	50.81	74.00	-23.19	PK	Hor
2*	11.378GHz	56.67	1.85	58.52	74.00	-15.48	PK	Hor
3*	14.340GHz	52.65	5.90	58.55	74.00	-15.45	PK	Hor
4*	4.838GHz	46.92	-6.02	40.90	54.00	-13.10	AV	Hor
5*	11.378GHz	45.45	1.85	47.30	54.00	-6.70	AV	Hor
6*	14.340GHz	42.50	5.90	48.40	54.00	-5.60	AV	Hor



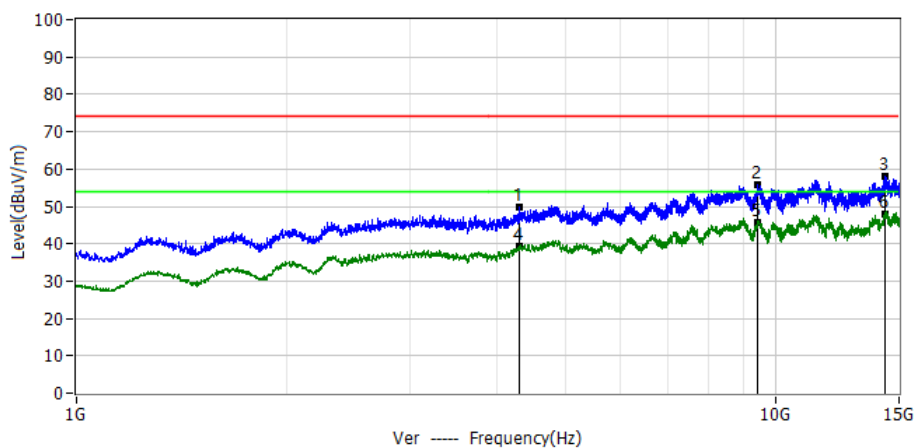
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.817GHz	56.49	-6.00	50.49	74.00	-23.51	PK	Ver
2*	8.915GHz	57.39	-1.41	55.98	74.00	-18.02	PK	Ver
3*	14.416GHz	52.62	5.91	58.53	74.00	-15.47	PK	Ver
4*	4.817GHz	45.60	-6.00	39.60	54.00	-14.40	AV	Ver
5*	8.915GHz	47.21	-1.41	45.80	54.00	-8.20	AV	Ver
6*	14.416GHz	42.59	5.91	48.50	54.00	-5.50	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 1.0 WMTS_GFSK_CH4_1427.8979	
Note: with remote antenna	



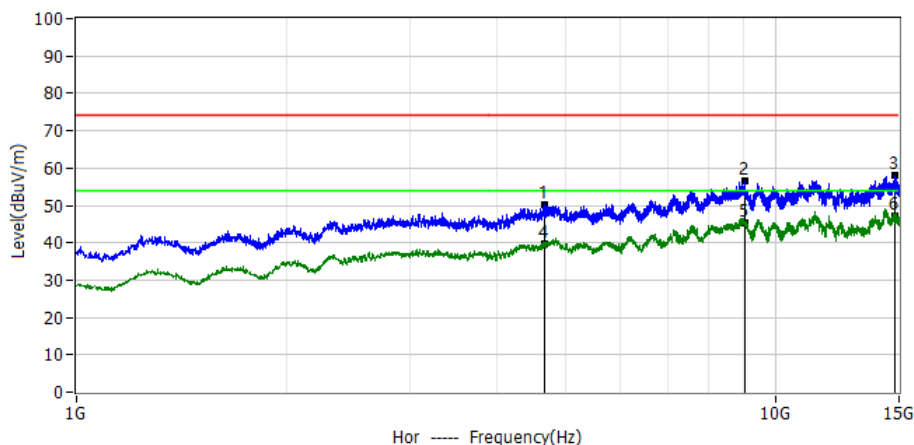
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.820GHz	56.92	-6.00	50.92	74.00	-23.08	PK	Hor
2*	8.921GHz	57.54	-1.39	56.15	74.00	-17.85	PK	Hor
3*	14.724GHz	51.96	5.94	57.90	74.00	-16.10	PK	Hor
4*	4.820GHz	45.80	-6.00	39.80	54.00	-14.20	AV	Hor
5*	8.921GHz	47.79	-1.39	46.40	54.00	-7.60	AV	Hor
6*	14.724GHz	41.26	5.94	47.20	54.00	-6.80	AV	Hor



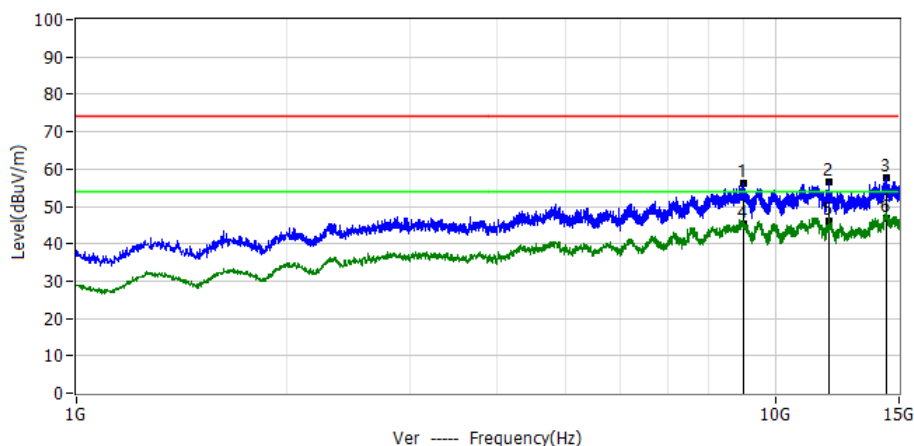
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.306GHz	56.57	-6.58	49.99	74.00	-24.01	PK	Ver
2*	9.421GHz	56.94	-1.17	55.77	74.00	-18.23	PK	Ver
3*	14.312GHz	52.15	5.90	58.05	74.00	-15.95	PK	Ver
4*	4.306GHz	45.88	-6.58	39.30	54.00	-14.70	AV	Ver
5*	9.421GHz	46.87	-1.17	45.70	54.00	-8.30	AV	Ver
6*	14.312GHz	42.20	5.90	48.10	54.00	-5.90	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 1.0 WMTS_GFSK_CH6_1431.0965	
Note: with remote antenna	



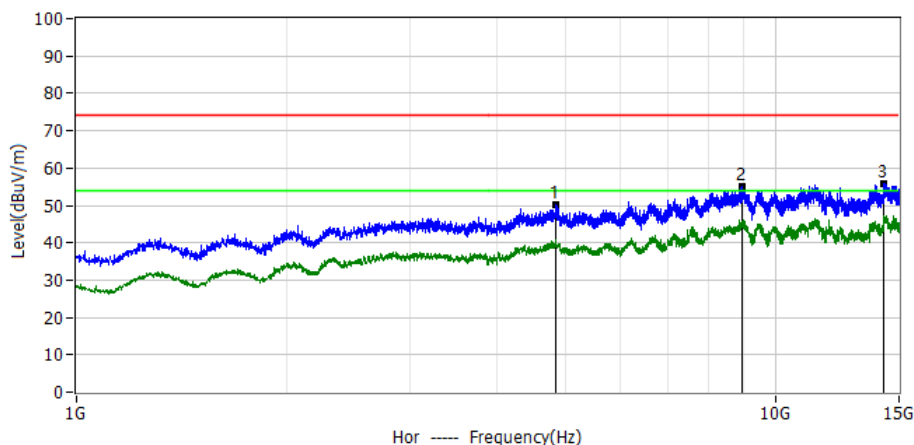
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.659GHz	55.91	-5.88	50.03	74.00	-23.97	PK	Hor
2*	9.013GHz	57.76	-1.17	56.59	74.00	-17.41	PK	Hor
3*	14.764GHz	51.95	5.94	57.89	74.00	-16.11	PK	Hor
4*	4.659GHz	45.68	-5.88	39.80	54.00	-14.20	AV	Hor
5*	9.013GHz	46.67	-1.17	45.50	54.00	-8.50	AV	Hor
6*	14.764GHz	41.16	5.94	47.10	54.00	-6.90	AV	Hor



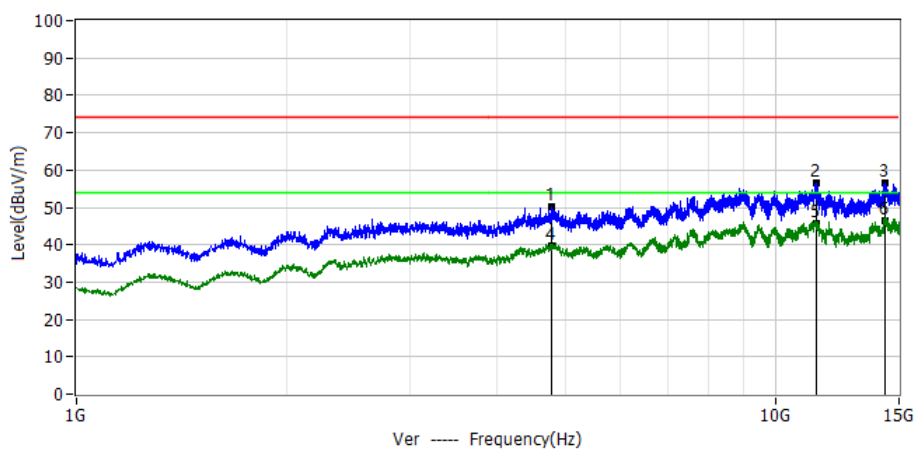
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	8.999GHz	57.38	-1.17	56.21	74.00	-17.79	PK	Ver
2*	11.924GHz	54.48	2.17	56.65	74.00	-17.35	PK	Ver
3*	14.365GHz	51.94	5.90	57.84	74.00	-16.16	PK	Ver
4*	8.999GHz	46.57	-1.17	45.40	54.00	-8.60	AV	Ver
5*	11.924GHz	44.03	2.17	46.20	54.00	-7.80	AV	Ver
6*	14.365GHz	40.90	5.90	46.80	54.00	-7.20	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_D8PSK_CH14_1396.636	
Note: with remote antenna	



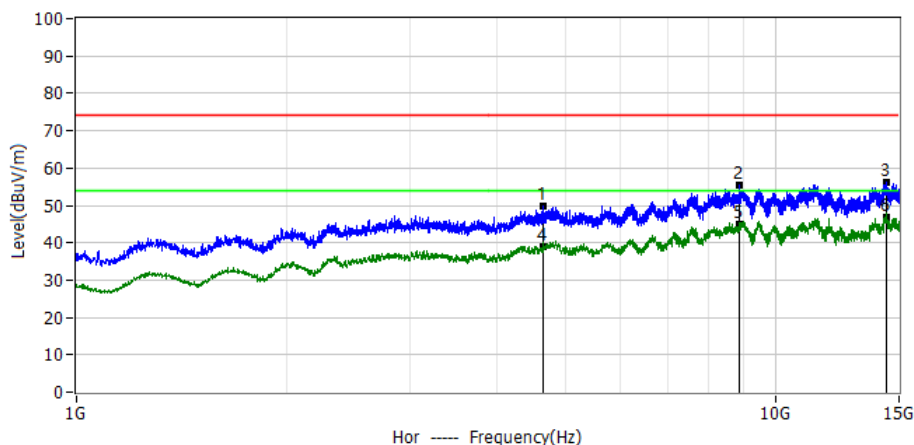
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.841GHz	56.27	-6.02	50.25	74.00	-23.75	PK	Hor
2*	8.956GHz	56.18	-1.30	54.88	74.00	-19.12	PK	Hor
3*	14.284GHz	50.08	5.90	55.98	74.00	-18.02	PK	Hor



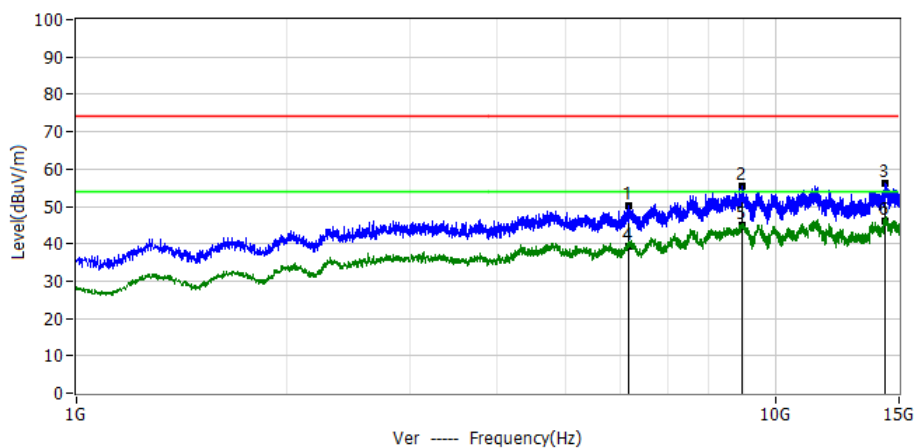
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.787GHz	56.00	-5.98	50.02	74.00	-23.98	PK	Ver
2*	11.400GHz	54.52	1.87	56.39	74.00	-17.61	PK	Ver
3*	14.326GHz	50.65	5.90	56.55	74.00	-17.45	PK	Ver
4*	4.787GHz	45.68	-5.98	39.70	54.00	-14.30	AV	Ver
5*	11.400GHz	43.73	1.87	45.60	54.00	-8.40	AV	Ver
6*	14.326GHz	40.60	5.90	46.50	54.00	-7.50	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_D8PSK_CH16_1428.513	
Note: with remote antenna	



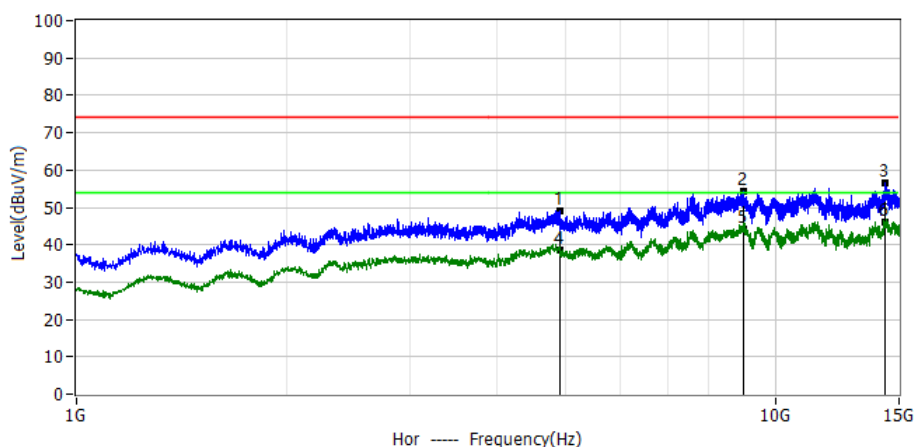
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.651GHz	55.52	-5.87	49.65	74.00	-24.35	PK	Hor
2*	8.868GHz	56.85	-1.54	55.31	74.00	-18.69	PK	Hor
3*	14.409GHz	50.38	5.91	56.29	74.00	-17.71	PK	Hor
4*	4.651GHz	44.67	-5.87	38.80	54.00	-15.20	AV	Hor
5*	8.868GHz	46.44	-1.54	44.90	54.00	-9.10	AV	Hor
6*	14.409GHz	41.09	5.91	47.00	54.00	-7.00	AV	Hor



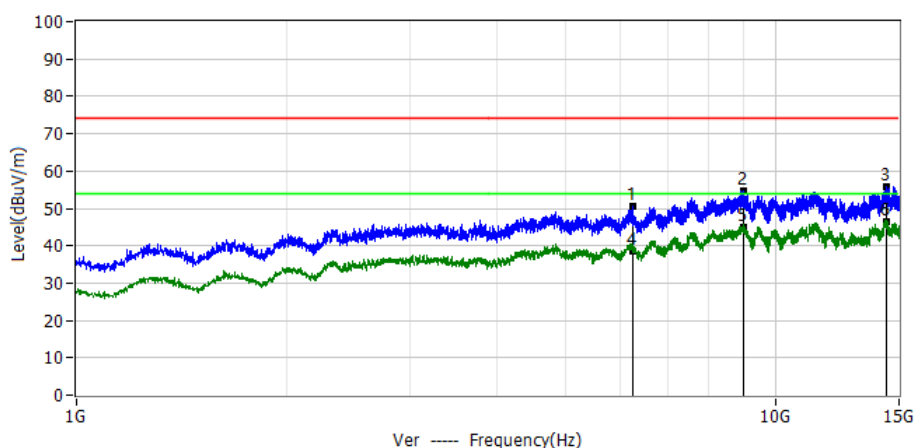
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	6.166GHz	57.43	-7.22	50.21	74.00	-23.79	PK	Ver
2*	8.954GHz	56.67	-1.30	55.37	74.00	-18.63	PK	Ver
3*	14.300GHz	50.38	5.90	56.28	74.00	-17.72	PK	Ver
4*	6.166GHz	46.42	-7.22	39.20	54.00	-14.80	AV	Ver
5*	8.954GHz	46.40	-1.30	45.10	54.00	-8.90	AV	Ver
6*	14.300GHz	40.10	5.90	46.00	54.00	-8.00	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_D8PSK_CH17_1430.241	
Note: with remote antenna	



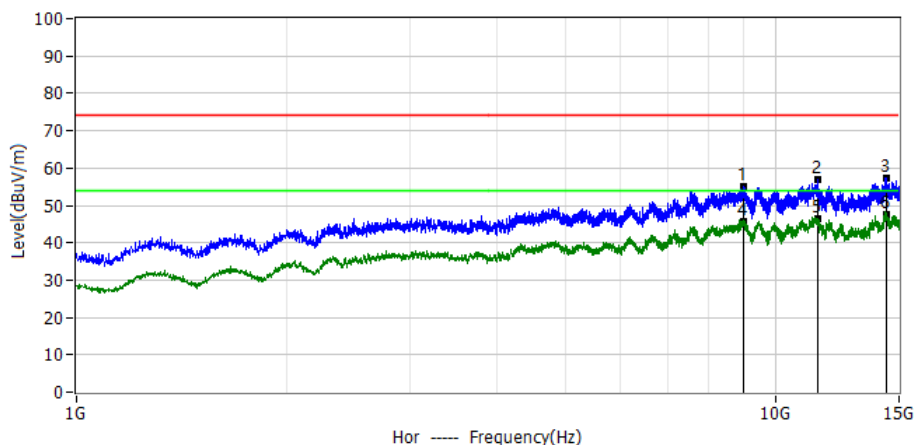
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.904GHz	55.09	-6.07	49.02	74.00	-24.98	PK	Hor
2*	8.999GHz	55.37	-1.17	54.20	74.00	-19.80	PK	Hor
3*	14.302GHz	50.48	5.90	56.38	74.00	-17.62	PK	Hor
4*	4.904GHz	44.67	-6.07	38.60	54.00	-15.40	AV	Hor
5*	8.999GHz	45.27	-1.17	44.10	54.00	-9.90	AV	Hor
6*	14.302GHz	40.10	5.90	46.00	54.00	-8.00	AV	Hor



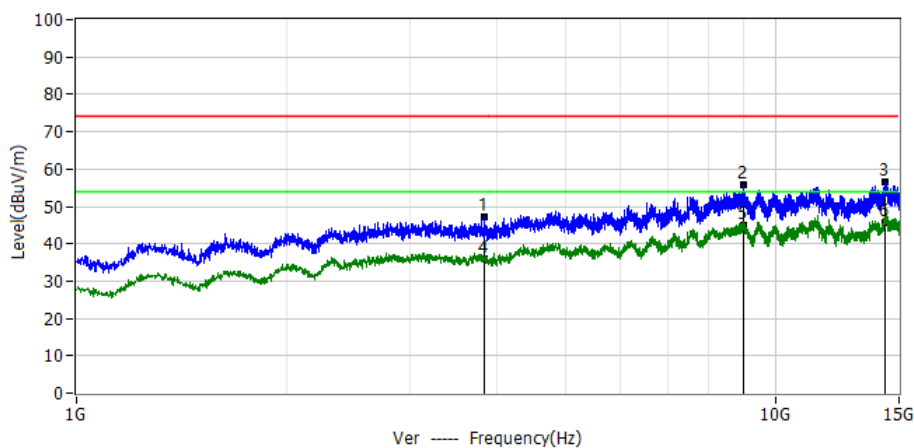
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	6.257GHz	57.53	-7.04	50.49	74.00	-23.51	PK	Ver
2*	9.005GHz	55.88	-1.17	54.71	74.00	-19.29	PK	Ver
3*	14.417GHz	49.89	5.91	55.80	74.00	-18.20	PK	Ver
4*	6.257GHz	45.44	-7.04	38.40	54.00	-15.60	AV	Ver
5*	9.005GHz	46.27	-1.17	45.10	54.00	-8.90	AV	Ver
6*	14.417GHz	40.49	5.91	46.40	54.00	-7.60	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_DBPSK_CH14_1396.636	
Note: with remote antenna	



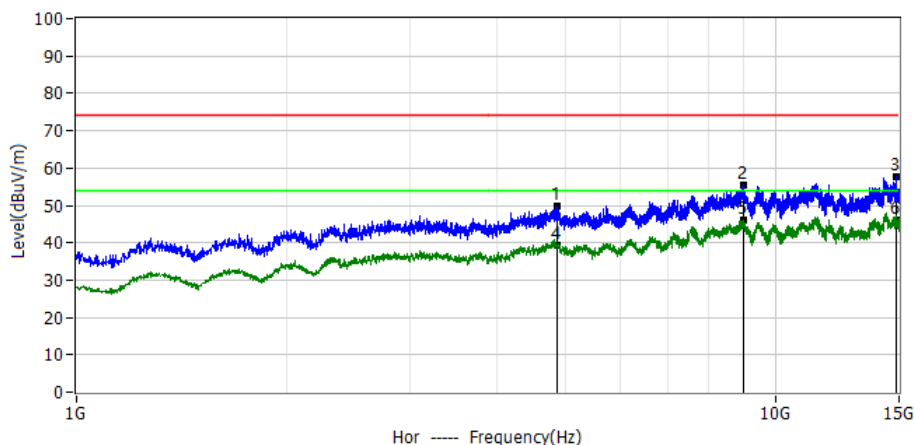
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	8.992GHz	56.15	-1.19	54.96	74.00	-19.04	PK	Hor
2*	11.500GHz	54.84	1.92	56.76	74.00	-17.24	PK	Hor
3*	14.409GHz	51.48	5.91	57.39	74.00	-16.61	PK	Hor
4*	8.992GHz	46.79	-1.19	45.60	54.00	-8.40	AV	Hor
5*	11.500GHz	44.48	1.92	46.40	54.00	-7.60	AV	Hor
6*	14.409GHz	41.59	5.91	47.50	54.00	-6.50	AV	Hor



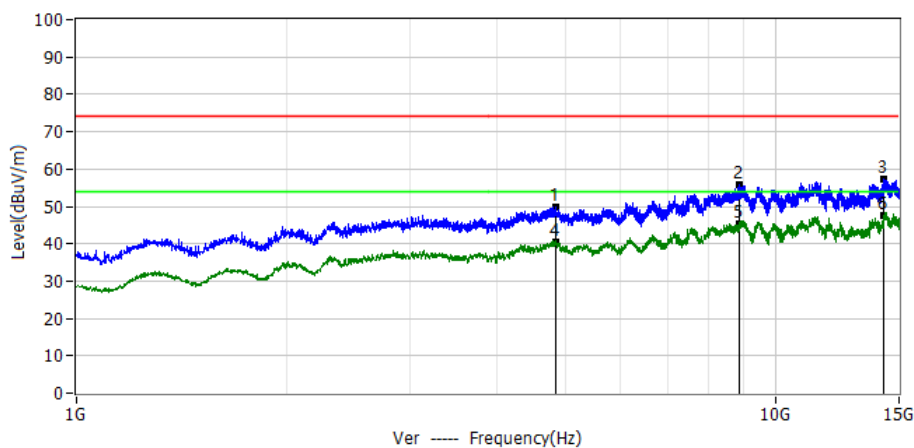
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	3.826GHz	55.46	-8.09	47.37	74.00	-26.63	PK	Ver
2*	8.982GHz	57.15	-1.22	55.93	74.00	-18.07	PK	Ver
3*	14.333GHz	50.81	5.90	56.71	74.00	-17.29	PK	Ver
4*	3.826GHz	44.19	-8.09	36.10	54.00	-17.90	AV	Ver
5*	8.982GHz	46.12	-1.22	44.90	54.00	-9.10	AV	Ver
6*	14.333GHz	39.70	5.90	45.60	54.00	-8.40	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_DBPSK_CH16_1428.513	
Note: with remote antenna	



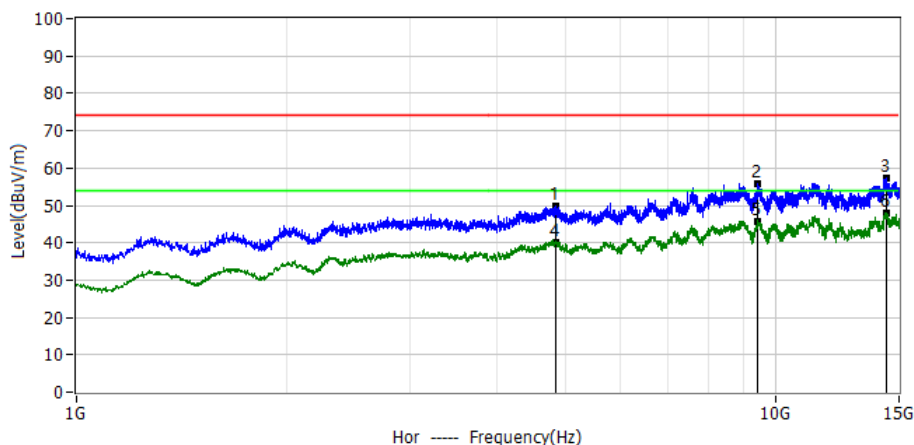
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.859GHz	55.69	-6.03	49.66	74.00	-24.34	PK	Hor
2*	9.001GHz	56.43	-1.17	55.26	74.00	-18.74	PK	Hor
3*	14.829GHz	51.89	5.94	57.83	74.00	-16.17	PK	Hor
4*	4.859GHz	45.33	-6.03	39.30	54.00	-14.70	AV	Hor
5*	9.001GHz	47.07	-1.17	45.90	54.00	-8.10	AV	Hor
6*	14.829GHz	40.26	5.94	46.20	54.00	-7.80	AV	Hor



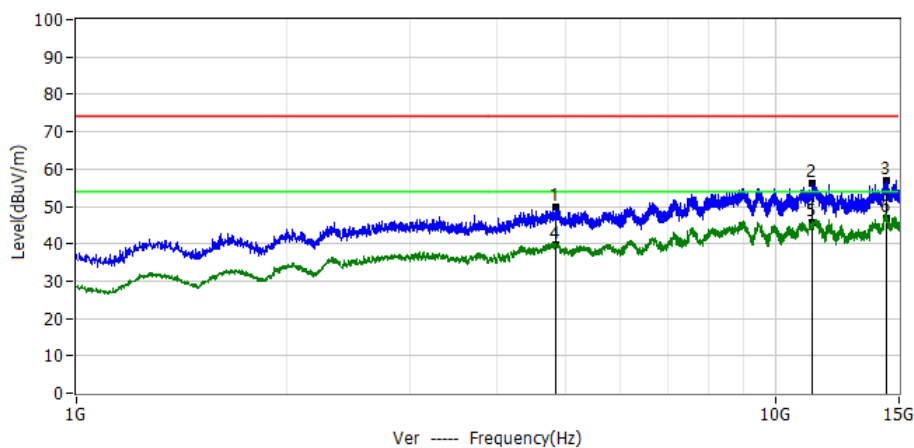
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.836GHz	55.72	-6.01	49.71	74.00	-24.29	PK	Ver
2*	8.866GHz	57.28	-1.55	55.73	74.00	-18.27	PK	Ver
3*	14.288GHz	51.22	5.90	57.12	74.00	-16.88	PK	Ver
4*	4.836GHz	46.41	-6.01	40.40	54.00	-13.60	AV	Ver
5*	8.866GHz	46.95	-1.55	45.40	54.00	-8.60	AV	Ver
6*	14.288GHz	41.70	5.90	47.60	54.00	-6.40	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 WMTS_DBPSK_CH17_1430.241	
Note: with remote antenna	



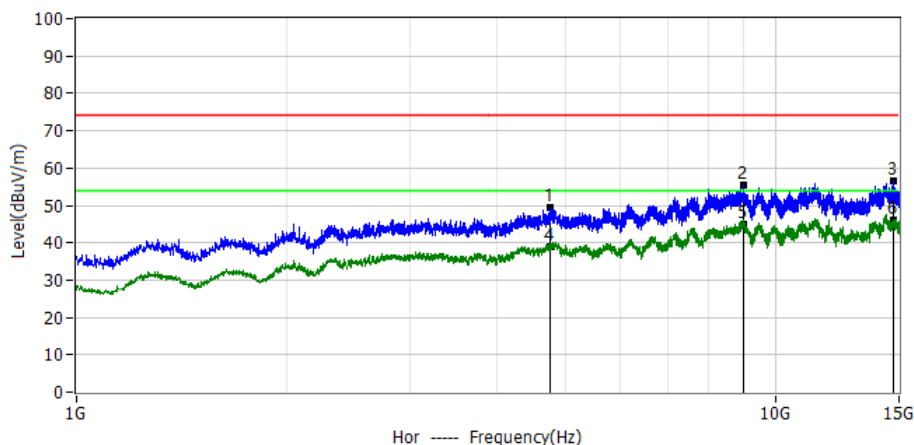
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.847GHz	55.84	-6.02	49.82	74.00	-24.18	PK	Hor
2*	9.418GHz	57.04	-1.17	55.87	74.00	-18.13	PK	Hor
3*	14.414GHz	51.38	5.91	57.29	74.00	-16.71	PK	Hor
4*	4.847GHz	46.22	-6.02	40.20	54.00	-13.80	AV	Hor
5*	9.418GHz	46.87	-1.17	45.70	54.00	-8.30	AV	Hor
6*	14.414GHz	41.89	5.91	47.80	54.00	-6.20	AV	Hor



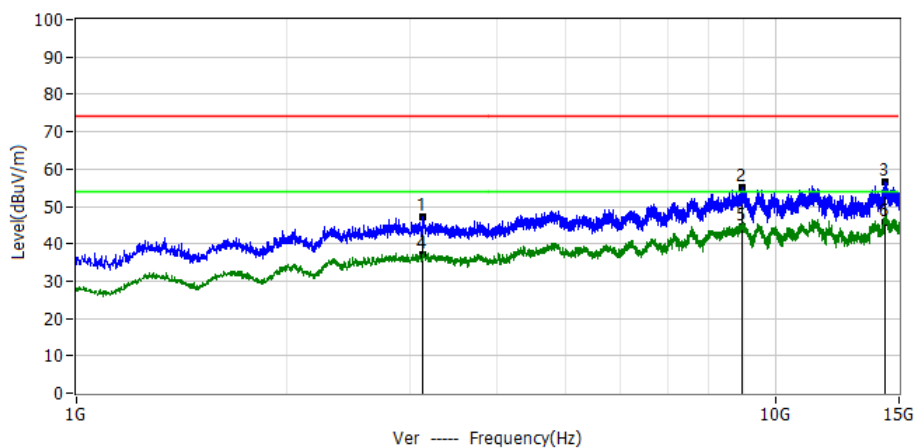
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.843GHz	55.85	-6.02	49.83	74.00	-24.17	PK	Ver
2*	11.274GHz	54.45	1.79	56.24	74.00	-17.76	PK	Ver
3*	14.402GHz	50.98	5.91	56.89	74.00	-17.11	PK	Ver
4*	4.843GHz	45.82	-6.02	39.80	54.00	-14.20	AV	Ver
5*	11.274GHz	43.81	1.79	45.60	54.00	-8.40	AV	Ver
6*	14.402GHz	41.09	5.91	47.00	54.00	-7.00	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 E-WMTS_D8PSK_CH18_1431.969	
Note: with remote antenna	



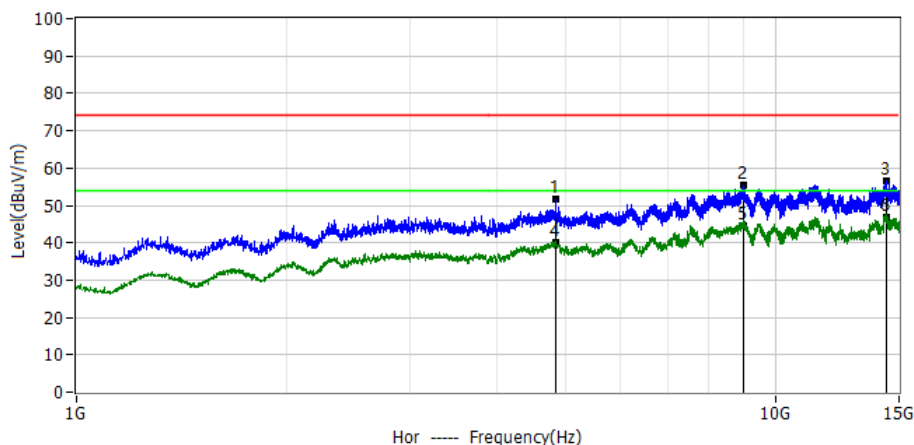
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.759GHz	55.28	-5.95	49.33	74.00	-24.67	PK	Hor
2*	8.992GHz	56.63	-1.19	55.44	74.00	-18.56	PK	Hor
3*	14.759GHz	50.54	5.94	56.48	74.00	-17.52	PK	Hor
4*	4.759GHz	44.85	-5.95	38.90	54.00	-15.10	AV	Hor
5*	8.992GHz	45.99	-1.19	44.80	54.00	-9.20	AV	Hor
6*	14.759GHz	40.26	5.94	46.20	54.00	-7.80	AV	Hor



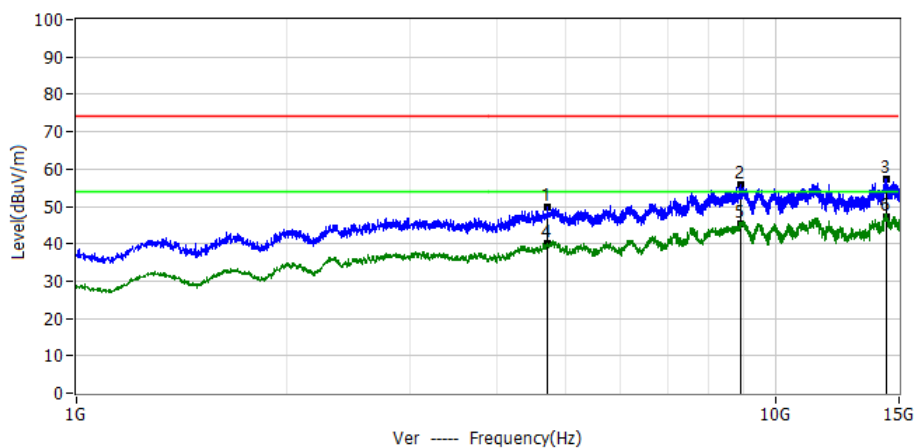
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	3.132GHz	55.69	-8.38	47.31	74.00	-26.69	PK	Ver
2*	8.933GHz	56.42	-1.36	55.06	74.00	-18.94	PK	Ver
3*	14.335GHz	50.78	5.90	56.68	74.00	-17.32	PK	Ver
4*	3.132GHz	45.28	-8.38	36.90	54.00	-17.10	AV	Ver
5*	8.933GHz	45.86	-1.36	44.50	54.00	-9.50	AV	Ver
6*	14.335GHz	39.80	5.90	45.70	54.00	-8.30	AV	Ver



Project: LGT22K037	Test Engineer: Dylan.shi
EUT: Access Point	Temperature: 22.1°C
M/N: ITS867216A	Humidity: 42%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-12-02
Test Mode: SH 2.0 E-WMTS_DBPSK_CH18_1431.969	
Note: with remote antenna	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.841GHz	57.65	-6.02	51.63	74.00	-22.37	PK	Hor
2*	8.985GHz	56.58	-1.21	55.37	74.00	-18.63	PK	Hor
3*	14.416GHz	50.59	5.91	56.50	74.00	-17.50	PK	Hor
4*	4.841GHz	46.22	-6.02	40.20	54.00	-13.80	AV	Hor
5*	8.985GHz	45.61	-1.21	44.40	54.00	-9.60	AV	Hor
6*	14.416GHz	40.89	5.91	46.80	54.00	-7.20	AV	Hor



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.703GHz	55.84	-5.91	49.93	74.00	-24.07	PK	Ver
2*	8.922GHz	57.13	-1.39	55.74	74.00	-18.26	PK	Ver
3*	14.396GHz	51.26	5.91	57.17	74.00	-16.83	PK	Ver
4*	4.703GHz	45.81	-5.91	39.90	54.00	-14.10	AV	Ver
5*	8.922GHz	46.89	-1.39	45.50	54.00	-8.50	AV	Ver
6*	14.396GHz	41.39	5.91	47.30	54.00	-6.70	AV	Ver



8. FREQUENCY STABILITY (PART 27 & 95)

8.1 LIMIT

Assigned frequency: 1390 – 1400 MHz; 1427 – 1435 MHz

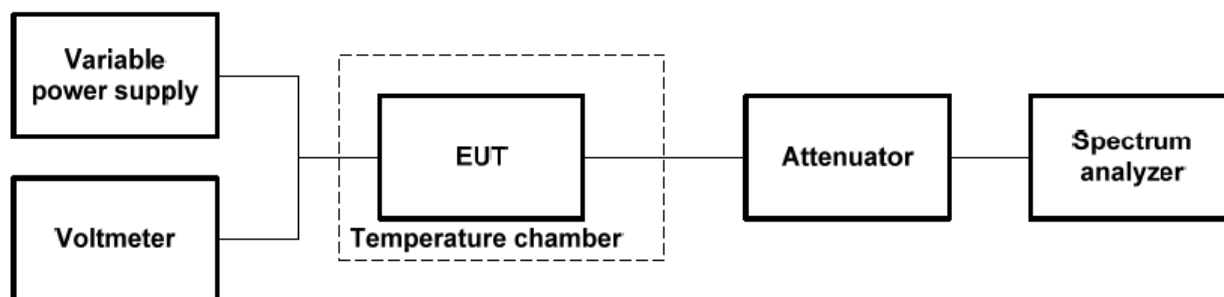
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.2 MEASUREMENT METHOD

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency band.

Configuration follows C63.26:2015 Section 5.6.

8.3 TEST SETUP



8.4 TEST PROCEDURES FOR TEMPERATURE VARIATION

1. The EUT was set up in the thermal chamber and connected to spectrum analyzer through an attenuator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

8.5 TEST PROCEDURES FOR VOLTAGE VARIATION

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.



8.6 TEST RESULTS

SH 1.0 WMTS_GFSK

CH1

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1395.8977	50	Normal Voltage	1395.3212	1396.4662	1395.89370	-4300	-3.080	PASS
	40		1395.3223	1396.4674	1395.89482	-3185	-2.282	PASS
	30		1395.3224	1396.4666	1395.89451	-3491	-2.501	PASS
	20		1395.3229	1396.4672	1395.89505	-2945	-2.110	PASS
	10		1395.3223	1396.4688	1395.89557	-2426	-1.738	PASS
	0		1395.3237	1396.4664	1395.89506	-2940	-2.106	PASS
	-10		1395.3254	1396.4669	1395.89617	-1834	-1.314	PASS
	-20		1395.3224	1396.4683	1395.89533	-2666	-1.910	PASS
	-30		1395.3227	1396.4670	1395.89485	-3146	-2.254	PASS
	20	15%	1395.3219	1396.4666	1395.89424	-3763	-2.696	PASS
	20	-15%	1395.3229	1396.4662	1395.89454	-3465	-2.482	PASS

CH2

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1397.4970	50	Normal Voltage	1396.9275	1398.0720	1397.49975	2750	1.968	PASS
	40		1396.9276	1398.0730	1397.50031	3314	2.372	PASS
	30		1396.9290	1398.0728	1397.50091	3907	2.796	PASS
	20		1396.9290	1398.0719	1397.50045	3446	2.466	PASS
	10		1396.9275	1398.0732	1397.50033	3334	2.386	PASS
	0		1396.9277	1398.0739	1397.50078	3777	2.703	PASS
	-10		1396.9282	1398.0744	1397.50132	4323	3.094	PASS
	-20		1396.9283	1398.0745	1397.50140	4396	3.145	PASS
	-30		1396.9297	1398.0734	1397.50155	4552	3.257	PASS
	20	15%	1396.9292	1398.0735	1397.50137	4371	3.128	PASS
	20	-15%	1396.9280	1398.0736	1397.50082	3817	2.731	PASS



CH3

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1399.0963	50	Normal Voltage	1398.5325	1399.6626	1399.09755	1550	1.108	PASS
	40		1398.5336	1399.6627	1399.09814	2135	1.526	PASS
	30		1398.5326	1399.6640	1399.09828	2281	1.630	PASS
	20		1398.5332	1399.6626	1399.09791	1912	1.367	PASS
	10		1398.5344	1399.6632	1399.09878	2781	1.988	PASS
	0		1398.5359	1399.6628	1399.09932	3316	2.370	PASS
	-10		1398.5360	1399.6640	1399.09998	3979	2.844	PASS
	-20		1398.5337	1399.6643	1399.09901	3011	2.152	PASS
	-30		1398.5344	1399.6640	1399.09920	3195	2.284	PASS
	20	15%	1398.5335	1399.6638	1399.09865	2645	1.891	PASS
	20	-15%	1398.5327	1399.6635	1399.09811	2112	1.510	PASS

CH4

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1427.8979	50	Normal Voltage	1427.3286	1428.4697	1427.89915	1150	0.805	PASS
	40		1427.3291	1428.4714	1427.90027	2271	1.591	PASS
	30		1427.3295	1428.4704	1427.89996	1959	1.372	PASS
	20		1427.3304	1428.4714	1427.90092	2915	2.042	PASS
	10		1427.3304	1428.4720	1427.90118	3182	2.228	PASS
	0		1427.3310	1428.4714	1427.90122	3224	2.258	PASS
	-10		1427.3309	1428.4721	1427.90153	3532	2.474	PASS
	-20		1427.3304	1428.4735	1427.90198	3980	2.788	PASS
	-30		1427.3322	1428.4699	1427.90103	3031	2.123	PASS
	20	15%	1427.3304	1428.4707	1427.90055	2548	1.785	PASS
	20	-15%	1427.3298	1428.4709	1427.90034	2336	1.636	PASS



CH5

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1429.4970	50	Normal Voltage	1428.9286	1430.0646	1429.49659	-415	-0.290	PASS
	40		1428.9303	1430.0664	1429.49831	1309	0.916	PASS
	30		1428.9296	1430.0654	1429.49749	493	0.345	PASS
	20		1428.9294	1430.0664	1429.49790	899	0.629	PASS
	10		1428.9295	1430.0666	1429.49805	1048	0.733	PASS
	0		1428.9314	1430.0659	1429.49864	1644	1.150	PASS
	-10		1428.9318	1430.0664	1429.49907	2069	1.447	PASS
	-20		1428.9293	1430.0664	1429.49785	849	0.594	PASS
	-30		1428.9306	1430.0661	1429.49833	1330	0.930	PASS
	20	15%	1428.9300	1430.0653	1429.49769	689	0.482	PASS
	20	-15%	1428.9297	1430.0662	1429.49798	977	0.684	PASS

CH6

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1431.0965	50	Normal Voltage	1430.5257	1431.6686	1431.09715	150	0.105	PASS
	40		1430.5269	1431.6695	1431.09822	1217	0.850	PASS
	30		1430.5262	1431.6686	1431.09738	377	0.263	PASS
	20		1430.5262	1431.6699	1431.09809	1089	0.761	PASS
	10		1430.5273	1431.6704	1431.09883	1832	1.280	PASS
	0		1430.5290	1431.6690	1431.09902	2024	1.414	PASS
	-10		1430.5302	1431.6691	1431.09965	2646	1.849	PASS
	-20		1430.5271	1431.6690	1431.09805	1052	0.735	PASS
	-30		1430.5279	1431.6695	1431.09872	1723	1.204	PASS
	20	15%	1430.5273	1431.6689	1431.09808	1080	0.754	PASS
	20	-15%	1430.5258	1431.6697	1431.09775	751	0.525	PASS



CH7

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1430.2410	50	Normal Voltage	1429.6685	1430.8173	1430.24290	1900	1.328	PASS
	40		1429.6696	1430.8192	1430.24437	3374	2.359	PASS
	30		1429.6697	1430.8174	1430.24356	2564	1.793	PASS
	20		1429.6690	1430.8186	1430.24381	2813	1.967	PASS
	10		1429.6694	1430.8193	1430.24434	3341	2.336	PASS
	0		1429.6699	1430.8188	1430.24437	3373	2.359	PASS
	-10		1429.6712	1430.8191	1430.24515	4146	2.899	PASS
	-20		1429.6686	1430.8197	1430.24417	3172	2.217	PASS
	-30		1429.6700	1430.8182	1430.24407	3071	2.147	PASS
	20	15%	1429.6689	1430.8188	1430.24383	2835	1.982	PASS
	20	-15%	1429.6693	1430.8181	1430.24370	2702	1.889	PASS



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CH14

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1396.636	50	Normal Voltage	1395.9257	1397.3483	1396.63700	1000	0.716	PASS
	40		1395.9259	1397.3497	1396.63780	1800	1.289	PASS
	30		1395.9268	1397.3494	1396.63808	2079	1.489	PASS
	20		1395.9259	1397.3498	1396.63783	1830	1.310	PASS
	10		1395.9265	1397.3508	1396.63866	2660	1.904	PASS
	0		1395.9271	1397.3483	1396.63770	1697	1.215	PASS
	-10		1395.9285	1397.3493	1396.63891	2906	2.081	PASS
	-20		1395.9259	1397.3492	1396.63756	1559	1.116	PASS
	-30		1395.9263	1397.3497	1396.63800	2003	1.434	PASS
	20	15%	1395.9257	1397.3496	1396.63766	1658	1.187	PASS
	20	-15%	1395.9269	1397.3501	1396.63848	2478	1.774	PASS

CH15

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1398.364	50	Normal Voltage	1397.6542	1399.0763	1398.36525	1250	0.894	PASS
	40		1397.6551	1399.0767	1398.36593	1930	1.380	PASS
	30		1397.6550	1399.0765	1398.36572	1724	1.233	PASS
	20		1397.6550	1399.0774	1398.36624	2240	1.602	PASS
	10		1397.6558	1399.0784	1398.36708	3079	2.202	PASS
	0		1397.6562	1399.0776	1398.36689	2889	2.066	PASS
	-10		1397.6571	1399.0793	1398.36819	4190	2.996	PASS
	-20		1397.6559	1399.0793	1398.36757	3566	2.550	PASS
	-30		1397.6569	1399.0780	1398.36742	3423	2.448	PASS
	20	15%	1397.6557	1399.0765	1398.36610	2099	1.501	PASS
	20	-15%	1397.6561	1399.0765	1398.36627	2274	1.626	PASS



CH16

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1428.513	50	Normal Voltage	1427.8025	1429.2246	1428.51355	550	0.385	PASS
	40		1427.8030	1429.2247	1428.51387	869	0.608	PASS
	30		1427.8040	1429.2259	1428.51497	1969	1.378	PASS
	20		1427.8027	1429.2252	1428.51393	934	0.654	PASS
	10		1427.8044	1429.2265	1428.51543	2428	1.700	PASS
	0		1427.8044	1429.2247	1428.51454	1539	1.077	PASS
	-10		1427.8052	1429.2262	1428.51572	2718	1.903	PASS
	-20		1427.8026	1429.2271	1428.51488	1875	1.313	PASS
	-30		1427.8039	1429.2256	1428.51477	1772	1.240	PASS
	20	15%	1427.8043	1429.2249	1428.51461	1607	1.125	PASS
	20	-15%	1427.8026	1429.2252	1428.51385	852	0.596	PASS

CH17

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1430.241	50	Normal Voltage	1429.5284	1430.9549	1430.24165	650	0.454	PASS
	40		1429.5288	1430.9553	1430.24206	1056	0.738	PASS
	30		1429.5301	1430.9563	1430.24323	2225	1.556	PASS
	20		1429.5297	1430.9550	1430.24235	1351	0.945	PASS
	10		1429.5284	1430.9568	1430.24262	1621	1.134	PASS
	0		1429.5296	1430.9561	1430.24283	1830	1.279	PASS
	-10		1429.5302	1430.9575	1430.24386	2858	1.998	PASS
	-20		1429.5295	1430.9591	1430.24431	3305	2.311	PASS
	-30		1429.5308	1430.9567	1430.24375	2751	1.924	PASS
	20	15%	1429.5287	1430.9555	1430.24207	1068	0.747	PASS
	20	-15%	1429.5293	1430.9555	1430.24239	1393	0.974	PASS



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CH14

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1396.636	50	Normal Voltage	1395.9174	1397.3543	1396.63585	-150	-0.107	PASS
	40		1395.9189	1397.3552	1396.63705	1046	0.749	PASS
	30		1395.9188	1397.3548	1396.63681	806	0.577	PASS
	20		1395.9188	1397.3543	1396.63652	523	0.374	PASS
	10		1395.9180	1397.3545	1396.63625	250	0.179	PASS
	0		1395.9188	1397.3544	1396.63660	597	0.428	PASS
	-10		1395.9187	1397.3562	1396.63745	1445	1.035	PASS
	-20		1395.9174	1397.3580	1396.63768	1685	1.206	PASS
	-30		1395.9191	1397.3552	1396.63717	1166	0.835	PASS
	20	15%	1395.9188	1397.3559	1396.63737	1370	0.981	PASS
	20	-15%	1395.9191	1397.3551	1396.63711	1114	0.798	PASS

CH15

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1398.364	50	Normal Voltage	1397.6451	1399.0828	1398.36395	-50	-0.036	PASS
	40		1397.6463	1399.0832	1398.36471	712	0.509	PASS
	30		1397.6455	1399.0846	1398.36503	1033	0.738	PASS
	20		1397.6457	1399.0846	1398.36515	1154	0.826	PASS
	10		1397.6454	1399.0851	1398.36524	1241	0.888	PASS
	0		1397.6465	1399.0826	1398.36458	578	0.413	PASS
	-10		1397.6468	1399.0841	1398.36545	1452	1.039	PASS
	-20		1397.6457	1399.0849	1398.36529	1294	0.925	PASS
	-30		1397.6471	1399.0834	1398.36524	1242	0.888	PASS
	20	15%	1397.6457	1399.0836	1398.36465	649	0.464	PASS
	20	-15%	1397.6451	1399.0839	1398.36451	506	0.362	PASS



CH16

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1428.513	50	Normal Voltage	1427.7966	1429.2312	1428.51390	900	0.630	PASS
	40		1427.7970	1429.2327	1428.51485	1849	1.295	PASS
	30		1427.7974	1429.2329	1428.51514	2140	1.498	PASS
	20		1427.7969	1429.2313	1428.51413	1133	0.793	PASS
	10		1427.7979	1429.2325	1428.51519	2191	1.534	PASS
	0		1427.7979	1429.2318	1428.51485	1848	1.294	PASS
	-10		1427.7985	1429.2323	1428.51539	2395	1.676	PASS
	-20		1427.7985	1429.2332	1428.51585	2851	1.995	PASS
	-30		1427.7984	1429.2316	1428.51502	2021	1.415	PASS
	20	15%	1427.7970	1429.2320	1428.51451	1506	1.054	PASS
	20	-15%	1427.7966	1429.2324	1428.51451	1509	1.057	PASS

CH17

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1430.241	50	Normal Voltage	1429.5245	1430.9573	1430.24090	-100	-0.070	PASS
	40		1429.5247	1430.9572	1430.24092	-83	-0.058	PASS
	30		1429.5263	1430.9577	1430.24200	1003	0.701	PASS
	20		1429.5260	1430.9583	1430.24216	1157	0.809	PASS
	10		1429.5246	1430.9597	1430.24217	1170	0.818	PASS
	0		1429.5262	1430.9585	1430.24233	1329	0.929	PASS
	-10		1429.5276	1430.9594	1430.24351	2506	1.752	PASS
	-20		1429.5255	1430.9594	1430.24245	1454	1.016	PASS
	-30		1429.5269	1430.9583	1430.24260	1603	1.121	PASS
	20	15%	1429.5260	1430.9574	1430.24167	669	0.468	PASS
	20	-15%	1429.5255	1430.9581	1430.24181	806	0.563	PASS



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CH11

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1391.452	50	Normal Voltage	1390.7433	1392.1654	1391.45435	2350	1.689	PASS
	40		1390.7440	1392.1662	1391.45511	3114	2.238	PASS
	30		1390.7452	1392.1665	1391.45585	3852	2.769	PASS
	20		1390.7434	1392.1658	1391.45461	2611	1.877	PASS
	10		1390.7440	1392.1659	1391.45496	2959	2.126	PASS
	0		1390.7452	1392.1661	1391.45569	3693	2.654	PASS
	-10		1390.7455	1392.1675	1391.45648	4479	3.219	PASS
	-20		1390.7443	1392.1689	1391.45658	4584	3.294	PASS
	-30		1390.7442	1392.1660	1391.45510	3104	2.231	PASS
	20	15%	1390.7443	1392.1661	1391.45519	3191	2.293	PASS
	20	-15%	1390.7446	1392.1659	1391.45521	3211	2.308	PASS

CH12

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1393.180	50	Normal Voltage	1392.4683	1393.8911	1393.17970	-300	-0.215	PASS
	40		1392.4694	1393.8931	1393.18126	1261	0.905	PASS
	30		1392.4691	1393.8918	1393.18042	424	0.304	PASS
	20		1392.4693	1393.8929	1393.18111	1106	0.794	PASS
	10		1392.4686	1393.8935	1393.18106	1056	0.758	PASS
	0		1392.4704	1393.8923	1393.18137	1372	0.985	PASS
	-10		1392.4705	1393.8934	1393.18193	1931	1.386	PASS
	-20		1392.4695	1393.8935	1393.18150	1496	1.074	PASS
	-30		1392.4695	1393.8919	1393.18072	721	0.518	PASS
	20	15%	1392.4701	1393.8911	1393.18058	585	0.420	PASS
	20	-15%	1392.4697	1393.8929	1393.18129	1290	0.926	PASS



CH13

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1394.908	50	Normal Voltage	1394.1997	1395.6182	1394.90895	950	0.681	PASS
	40		1394.2007	1395.6192	1394.90994	1941	1.391	PASS
	30		1394.2001	1395.6185	1394.90928	1276	0.915	PASS
	20		1394.2001	1395.6194	1394.90974	1745	1.251	PASS
	10		1394.2016	1395.6198	1394.91068	2681	1.922	PASS
	0		1394.2029	1395.6188	1394.91083	2826	2.026	PASS
	-10		1394.2033	1395.6199	1394.91159	3591	2.575	PASS
	-20		1394.2011	1395.6207	1394.91088	2882	2.066	PASS
	-30		1394.2014	1395.6197	1394.91051	2511	1.800	PASS
	20	15%	1394.2009	1395.6200	1394.91046	2457	1.762	PASS
	20	-15%	1394.2015	1395.6186	1394.91004	2038	1.461	PASS

CH18

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1431.969	50	Normal Voltage	1431.2572	1432.6822	1431.96970	700	0.489	PASS
	40		1431.2588	1432.6828	1431.97081	1811	1.265	PASS
	30		1431.2581	1432.6833	1431.97068	1683	1.176	PASS
	20		1431.2579	1432.6837	1431.97077	1767	1.234	PASS
	10		1431.2571	1432.6847	1431.97091	1906	1.331	PASS
	0		1431.2572	1432.6827	1431.96998	977	0.683	PASS
	-10		1431.2571	1432.6830	1431.97008	1077	0.752	PASS
	-20		1431.2582	1432.6844	1431.97130	2301	1.607	PASS
	-30		1431.2598	1432.6841	1431.97194	2941	2.054	PASS
	20	15%	1431.2578	1432.6826	1431.97022	1223	0.854	PASS
	20	-15%	1431.2580	1432.6841	1431.97100	2003	1.399	PASS



CH19

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1433.697	50	Normal Voltage	1432.9852	1434.4121	1433.69865	1650	1.151	PASS
	40		1432.9866	1434.4122	1433.69939	2389	1.666	PASS
	30		1432.9852	1434.4138	1433.69948	2477	1.727	PASS
	20		1432.9870	1434.4136	1433.70029	3292	2.296	PASS
	10		1432.9868	1434.4151	1433.70096	3962	2.764	PASS
	0		1432.9879	1434.4121	1433.69998	2981	2.079	PASS
	-10		1432.9896	1434.4123	1433.70096	3956	2.760	PASS
	-20		1432.9862	1434.4124	1433.69929	2294	1.600	PASS
	-30		1432.9877	1434.4137	1433.70067	3674	2.563	PASS
	20	15%	1432.9867	1434.4123	1433.69951	2506	1.748	PASS
	20	-15%	1432.9866	1434.4129	1433.69975	2754	1.921	PASS



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CH11

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1391.452	50	Normal Voltage	1390.7342	1392.1728	1391.45350	1500	1.078	PASS
	40		1390.7350	1392.1736	1391.45430	2296	1.650	PASS
	30		1390.7354	1392.1728	1391.45413	2125	1.527	PASS
	20		1390.7340	1392.1745	1391.45426	2263	1.627	PASS
	10		1390.7359	1392.1751	1391.45550	3496	2.513	PASS
	0		1390.7377	1392.1730	1391.45531	3308	2.377	PASS
	-10		1390.7382	1392.1739	1391.45603	4032	2.898	PASS
	-20		1390.7351	1392.1747	1391.45492	2920	2.098	PASS
	-30		1390.7356	1392.1730	1391.45430	2303	1.655	PASS
	20	15%	1390.7361	1392.1736	1391.45486	2861	2.056	PASS
	20	-15%	1390.7346	1392.1738	1391.45419	2187	1.572	PASS

CH12

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1393.180	50	Normal Voltage	1392.4645	1393.8996	1393.18205	2050	1.471	PASS
	40		1392.4659	1393.8997	1393.18282	2823	2.026	PASS
	30		1392.4664	1393.8996	1393.18298	2984	2.142	PASS
	20		1392.4657	1393.9005	1393.18310	3097	2.223	PASS
	10		1392.4663	1393.9009	1393.18362	3623	2.600	PASS
	0		1392.4671	1393.9010	1393.18407	4068	2.920	PASS
	-10		1392.4685	1393.9022	1393.18533	5334	3.829	PASS
	-20		1392.4659	1393.9027	1393.18427	4274	3.068	PASS
	-30		1392.4667	1393.9007	1393.18369	3693	2.651	PASS
	20	15%	1392.4653	1393.9010	1393.18315	3152	2.263	PASS
	20	-15%	1392.4656	1393.9010	1393.18331	3306	2.373	PASS



CH13

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1394.908	50	Normal Voltage	1394.1899	1395.6282	1394.90905	1050	0.753	PASS
	40		1394.1905	1395.6293	1394.90993	1932	1.385	PASS
	30		1394.1914	1395.6295	1394.91044	2441	1.750	PASS
	20		1394.1909	1395.6292	1394.91006	2063	1.479	PASS
	10		1394.1907	1395.6299	1394.91033	2326	1.668	PASS
	0		1394.1915	1395.6293	1394.91042	2420	1.735	PASS
	-10		1394.1921	1395.6297	1394.91090	2904	2.082	PASS
	-20		1394.1901	1395.6300	1394.91007	2068	1.483	PASS
	-30		1394.1920	1395.6287	1394.91035	2350	1.685	PASS
	20	15%	1394.1912	1395.6288	1394.91003	2030	1.456	PASS
	20	-15%	1394.1915	1395.6282	1394.90982	1818	1.303	PASS

CH18

Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1431.969	50	Normal Voltage	1431.2515	1432.6896	1431.97055	1550	1.082	PASS
	40		1431.2516	1432.6898	1431.97071	1709	1.194	PASS
	30		1431.2526	1432.6897	1431.97113	2128	1.486	PASS
	20		1431.2527	1432.6901	1431.97141	2405	1.680	PASS
	10		1431.2530	1432.6917	1431.97234	3344	2.335	PASS
	0		1431.2542	1432.6897	1431.97194	2939	2.053	PASS
	-10		1431.2552	1432.6897	1431.97247	3474	2.426	PASS
	-20		1431.2521	1432.6902	1431.97116	2164	1.511	PASS
	-30		1431.2529	1432.6906	1431.97177	2774	1.938	PASS
	20	15%	1431.2527	1432.6910	1431.97187	2873	2.006	PASS
	20	-15%	1431.2527	1432.6909	1431.97178	2776	1.939	PASS

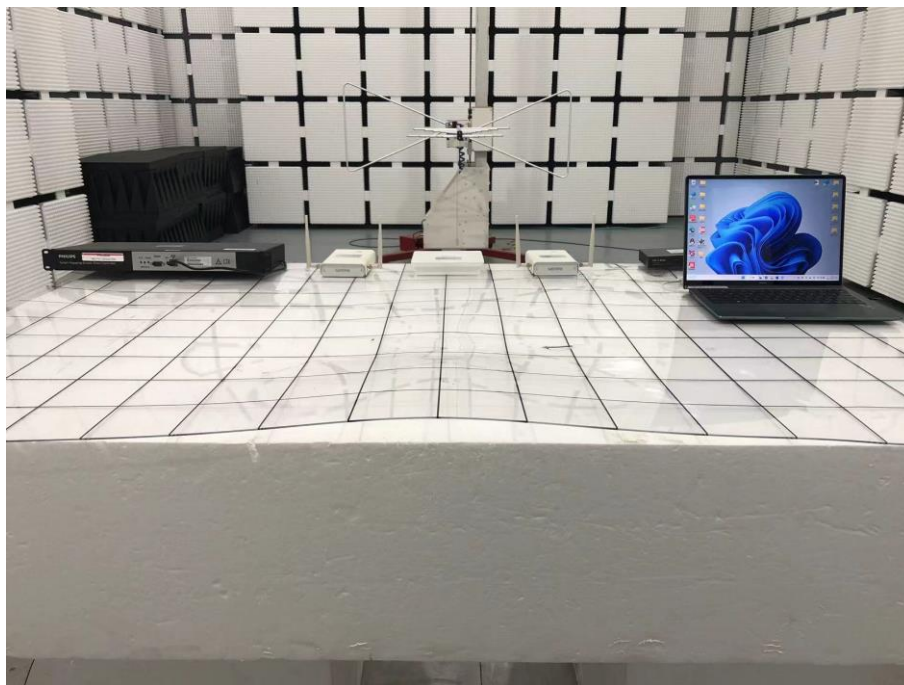


CH19

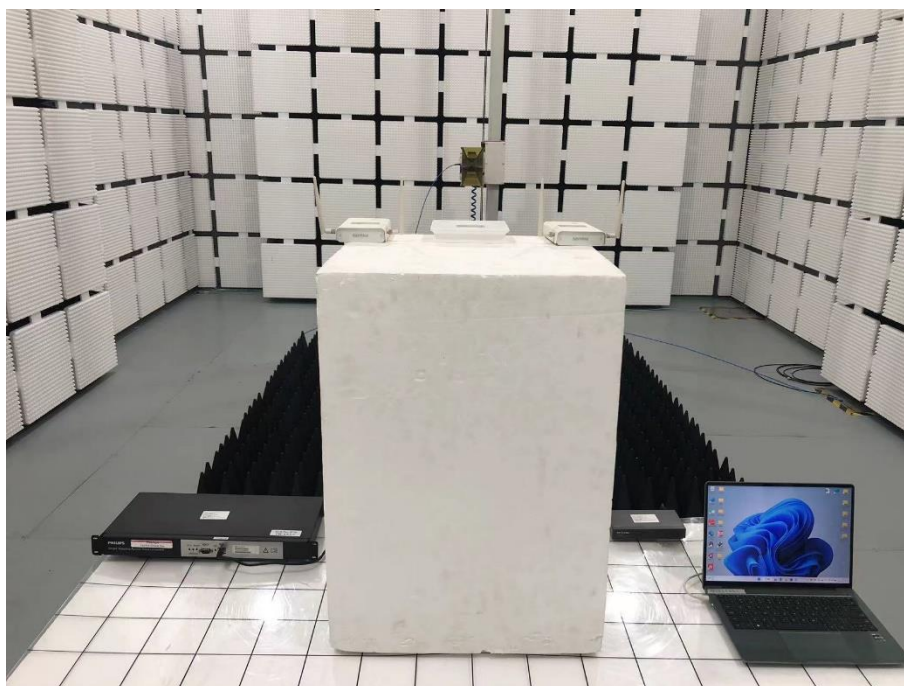
Test Frequency (MHz)	Temperature (°C)	Voltage (V)	FL	FH	FC	Tolerance (Hz)	Tolerance (ppm)	Verdict
1433.697	50	Normal Voltage	1432.9766	1434.4182	1433.69740	400	0.279	PASS
	40		1432.9785	1434.4186	1433.69856	1555	1.085	PASS
	30		1432.9773	1434.4198	1433.69854	1542	1.075	PASS
	20		1432.9767	1434.4201	1433.69842	1425	0.994	PASS
	10		1432.9778	1434.4215	1433.69962	2625	1.831	PASS
	0		1432.9794	1434.4183	1433.69886	1863	1.299	PASS
	-10		1432.9808	1434.4195	1433.70017	3168	2.210	PASS
	-20		1432.9783	1434.4196	1433.69896	1956	1.364	PASS
	-30		1432.9785	1434.4199	1433.69922	2218	1.547	PASS
	20	15%	1432.9785	1434.4186	1433.69855	1551	1.082	PASS
	20	-15%	1432.9776	1434.4187	1433.69818	1181	0.824	PASS

APPENDIX I - PHOTOS OF TEST SETUP

Radiated Spurious Emission Test Setup Photo - Below 1GHz

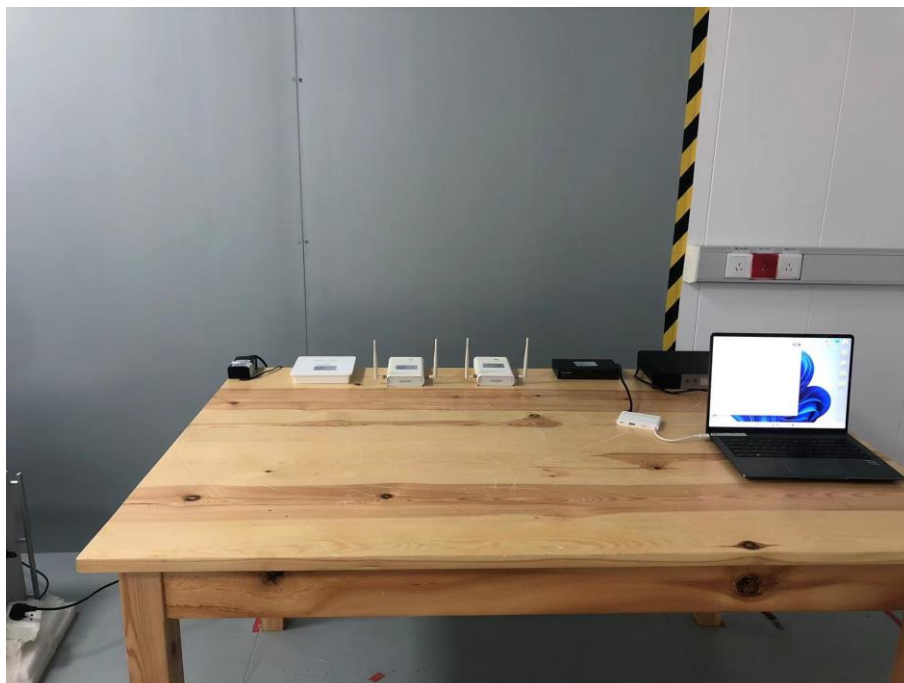


Radiated Spurious Emission Test Setup Photo - Above 1GHz





Conducted Emission Test Setup Photo



※※※※END OF THE REPORT※※※※