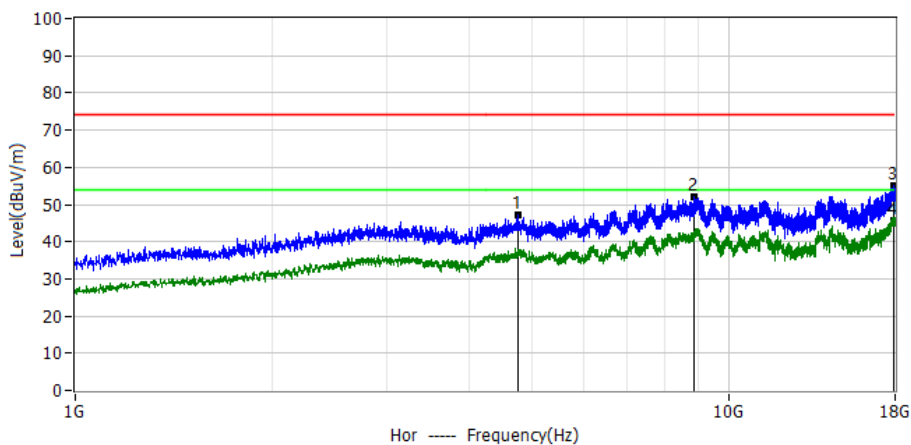
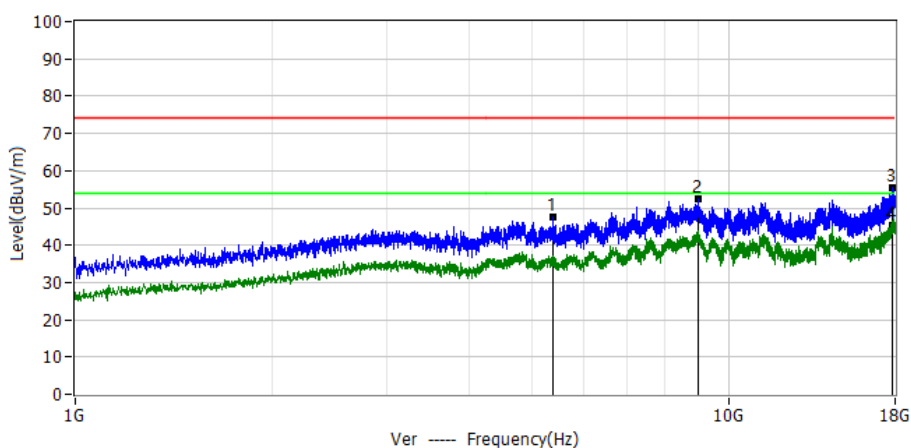




Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 26.7°C
M/N: CP12t	Humidity: 52%RH
Test Voltage: Battery	Test Data: 2023-03-12
Test Mode: 802.11ac80 5610	
Note:	



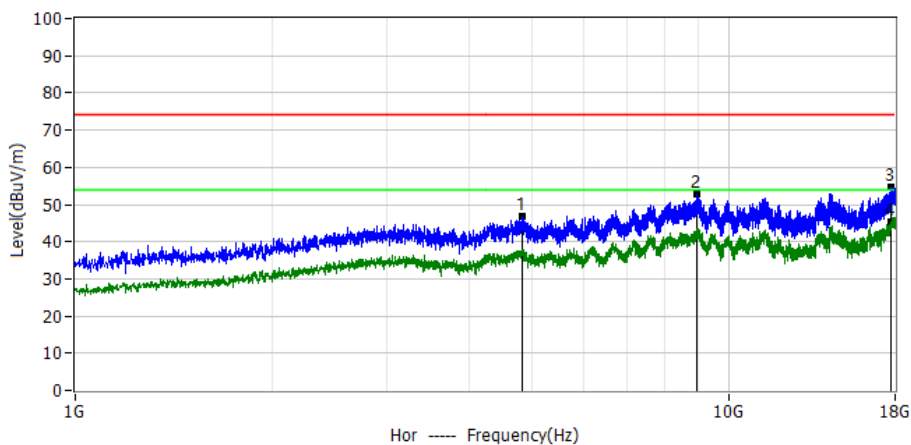
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.772GHz	53.07	-5.96	47.11	74.00	-26.89	PK	Hor
2*	8.869GHz	53.73	-1.54	52.19	74.00	-21.81	PK	Hor
3*	17.955GHz	46.57	8.49	55.06	74.00	-18.94	PK	Hor
4*	17.955GHz	37.21	8.49	45.70	54.00	-8.30	AV	Hor



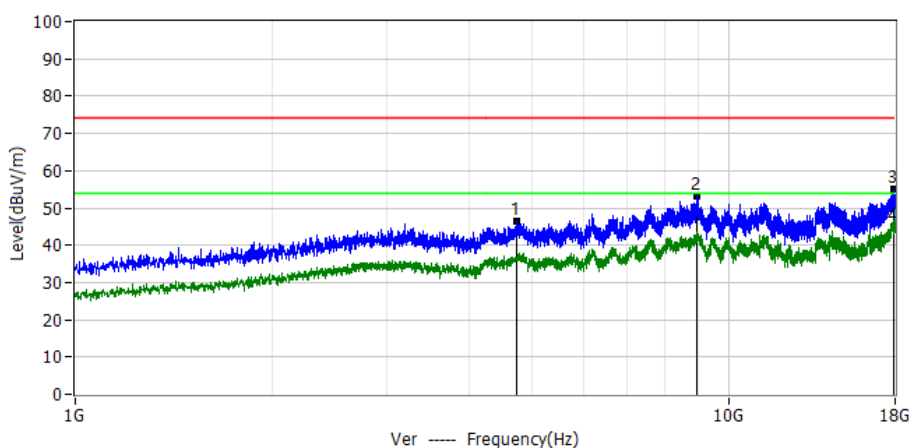
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.378GHz	54.99	-7.35	47.64	74.00	-26.36	PK	Ver
2*	9.003GHz	53.43	-1.17	52.26	74.00	-21.74	PK	Ver
3*	17.836GHz	47.16	8.41	55.57	74.00	-18.43	PK	Ver
4*	17.836GHz	36.89	8.41	45.30	54.00	-8.70	AV	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 26.7°C
M/N: CP12t	Humidity: 52%RH
Test Voltage: Battery	Test Data: 2023-03-12
Test Mode: 802.11n20 5180	
Note:	



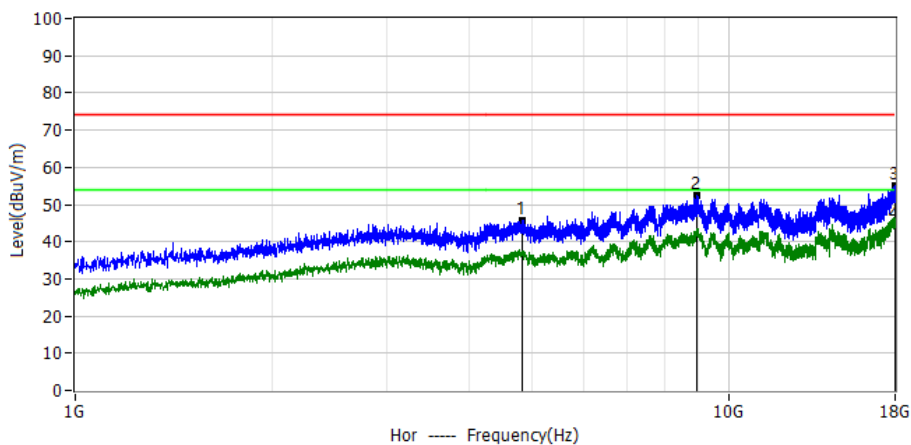
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.836GHz	52.85	-6.01	46.84	74.00	-27.16	PK	Hor
2*	8.928GHz	54.23	-1.37	52.86	74.00	-21.14	PK	Hor
3*	17.722GHz	46.36	8.33	54.69	74.00	-19.31	PK	Hor
4*	17.722GHz	36.97	8.33	45.30	54.00	-8.70	AV	Hor



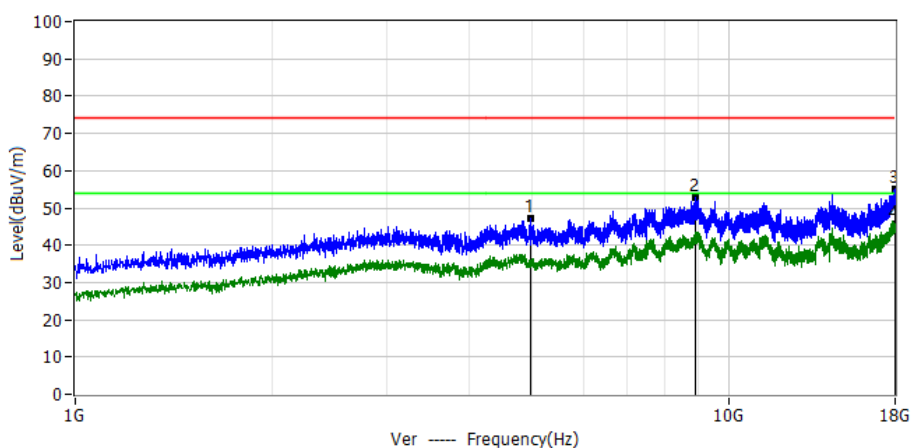
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.732GHz	52.35	-5.93	46.42	74.00	-27.58	PK	Ver
2*	8.956GHz	54.37	-1.29	53.08	74.00	-20.92	PK	Ver
3*	17.921GHz	46.72	8.46	55.18	74.00	-18.82	PK	Ver
4*	17.921GHz	36.54	8.46	45.00	54.00	-9.00	AV	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 26.7°C
M/N: CP12t	Humidity: 52%RH
Test Voltage: Battery	Test Data: 2023-03-12
Test Mode: 802.11n20 5200	
Note:	



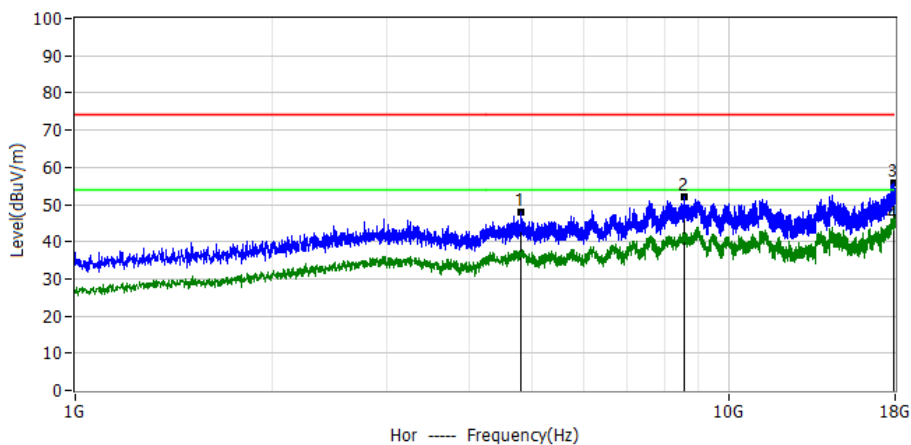
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.844GHz	51.89	-6.02	45.87	74.00	-28.13	PK	Hor
2*	8.956GHz	53.72	-1.29	52.43	74.00	-21.57	PK	Hor
3*	17.962GHz	46.60	8.49	55.09	74.00	-18.91	PK	Hor
4*	17.962GHz	36.11	8.49	44.60	54.00	-9.40	AV	Hor



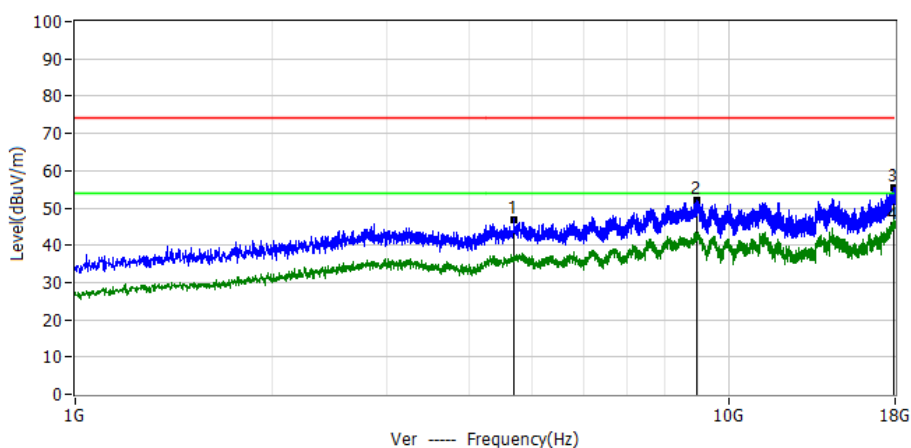
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.967GHz	53.22	-6.11	47.11	74.00	-26.89	PK	Ver
2*	8.882GHz	54.32	-1.51	52.81	74.00	-21.19	PK	Ver
3*	17.958GHz	46.41	8.49	54.90	74.00	-19.10	PK	Ver
4*	17.958GHz	37.31	8.49	45.80	54.00	-8.20	AV	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 26.7°C
M/N: CP12t	Humidity: 52%RH
Test Voltage: Battery	Test Data: 2023-03-12
Test Mode: 802.11n20 5240	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.810GHz	53.77	-5.99	47.78	74.00	-26.22	PK	Hor
2*	8.559GHz	54.35	-2.42	51.93	74.00	-22.07	PK	Hor
3*	17.945GHz	47.30	8.48	55.78	74.00	-18.22	PK	Hor
4*	17.945GHz	36.22	8.48	44.70	54.00	-9.30	AV	Hor

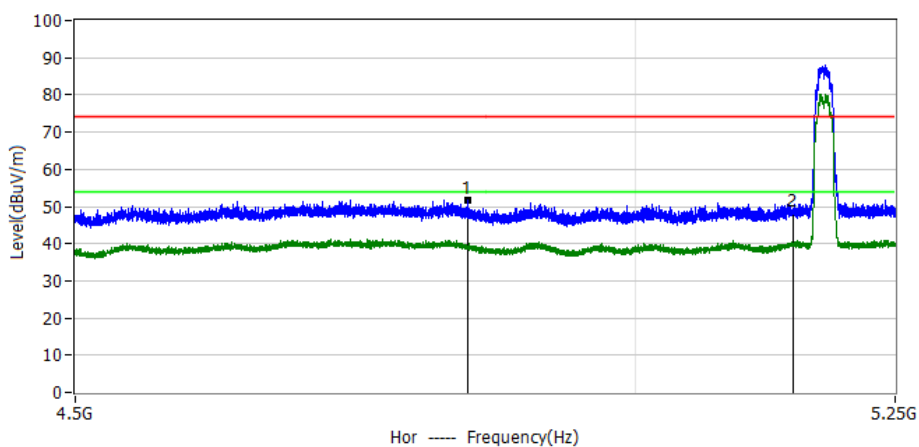


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.700GHz	52.91	-5.91	47.00	74.00	-27.00	PK	Ver
2*	8.941GHz	53.53	-1.34	52.19	74.00	-21.81	PK	Ver
3*	17.896GHz	47.10	8.45	55.55	74.00	-18.45	PK	Ver
4*	17.896GHz	36.95	8.45	45.40	54.00	-8.60	AV	Ver

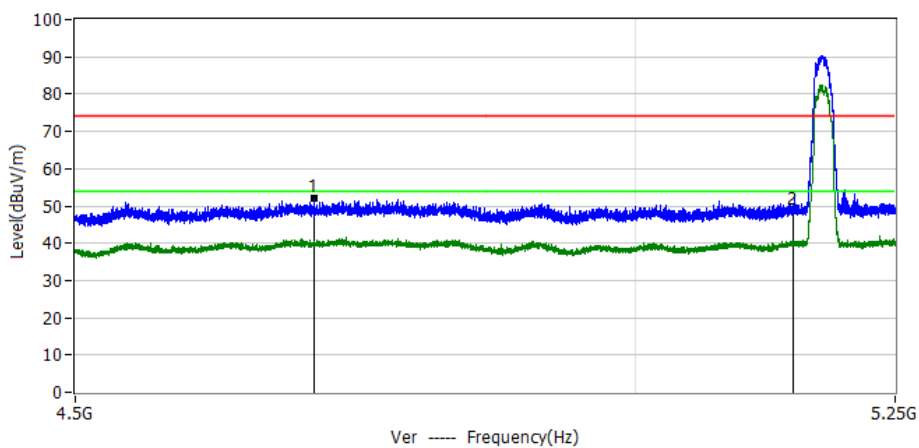


3.2.7 TEST RESULTS(Band edge Requirements)

Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11n20 5180	
Note:	



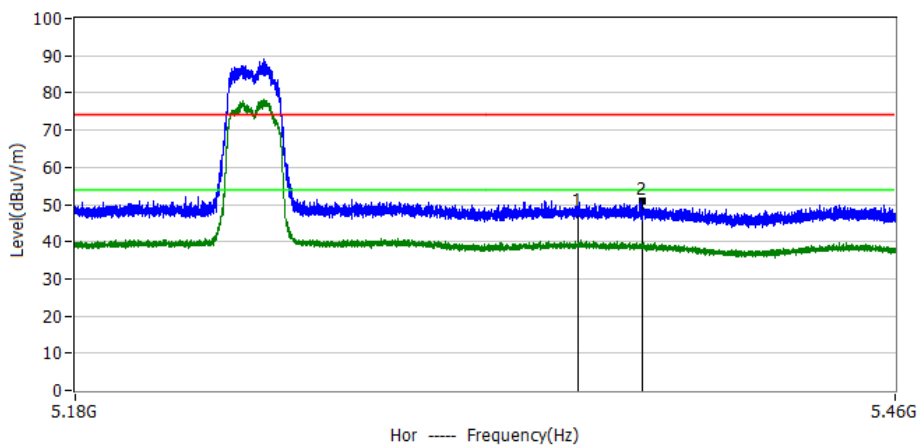
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.845GHz	57.80	-6.02	51.78	74.00	-22.22	PK	Hor
2*	5.150GHz	54.82	-6.62	48.20	74.00	-25.80	PK	Hor



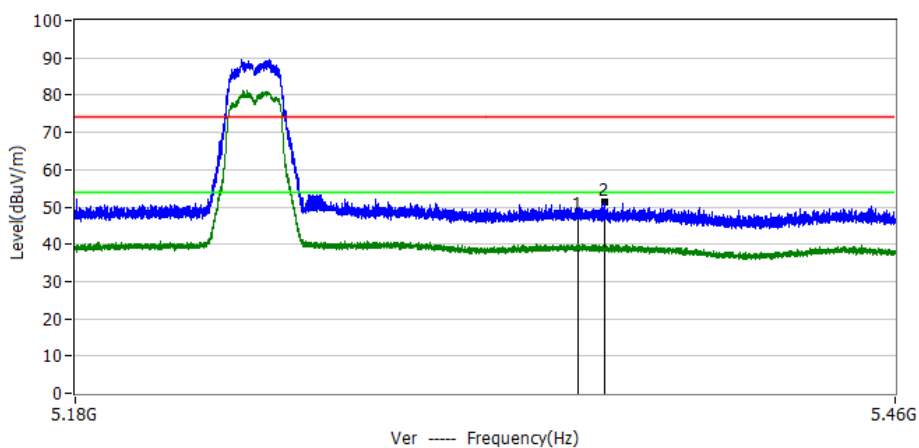
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.707GHz	57.91	-5.91	52.00	74.00	-22.00	PK	Ver
2*	5.150GHz	55.42	-6.62	48.80	74.00	-25.20	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11n20 5240	
Note:	



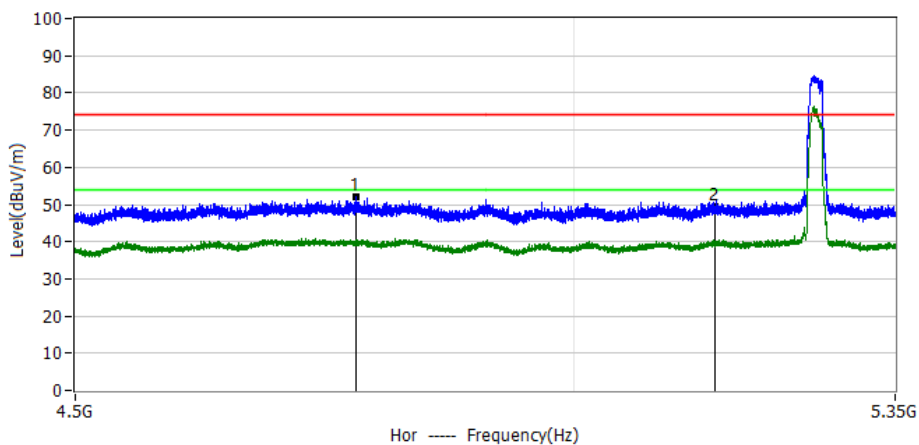
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.350GHz	55.26	-7.26	48.00	74.00	-26.00	PK	Hor
2*	5.372GHz	58.17	-7.33	50.84	74.00	-23.16	PK	Hor



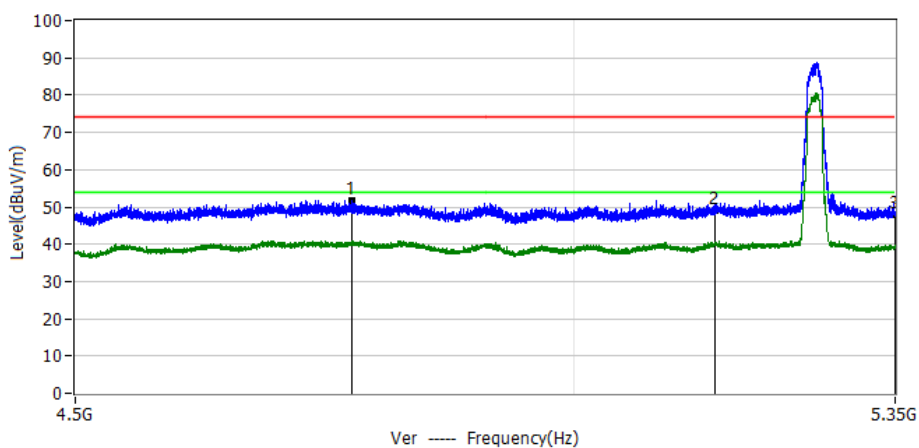
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.350GHz	54.66	-7.26	47.40	74.00	-26.60	PK	Ver
2*	5.359GHz	58.63	-7.29	51.34	74.00	-22.66	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11a 5260	
Note:	



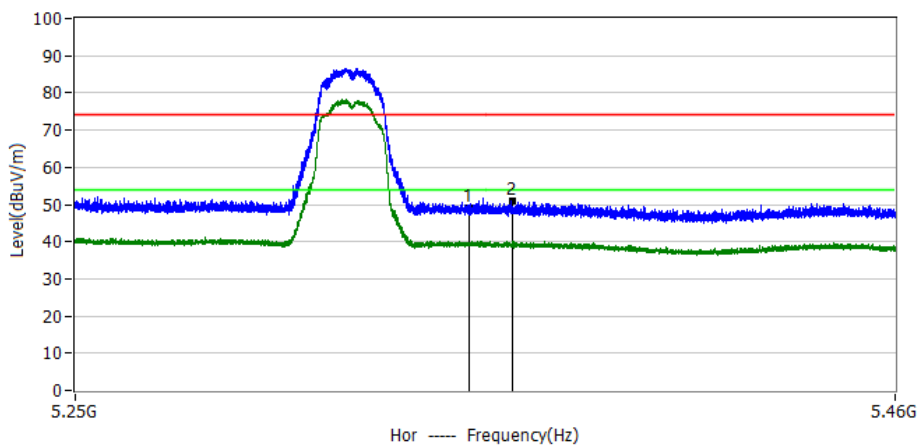
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.775GHz	58.02	-5.97	52.05	74.00	-21.95	PK	Hor
2*	5.150GHz	55.92	-6.62	49.30	74.00	-24.70	PK	Hor



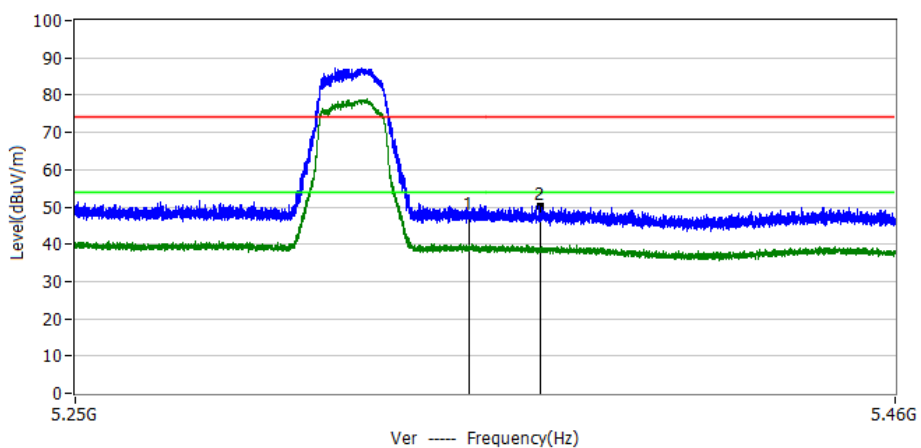
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.771GHz	57.71	-5.96	51.75	74.00	-22.25	PK	Ver
2*	5.150GHz	55.72	-6.62	49.10	74.00	-24.90	PK	Ver
3*	5.350GHz	55.16	-7.26	47.90	74.00	-26.10	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11a 5320	
Note:	



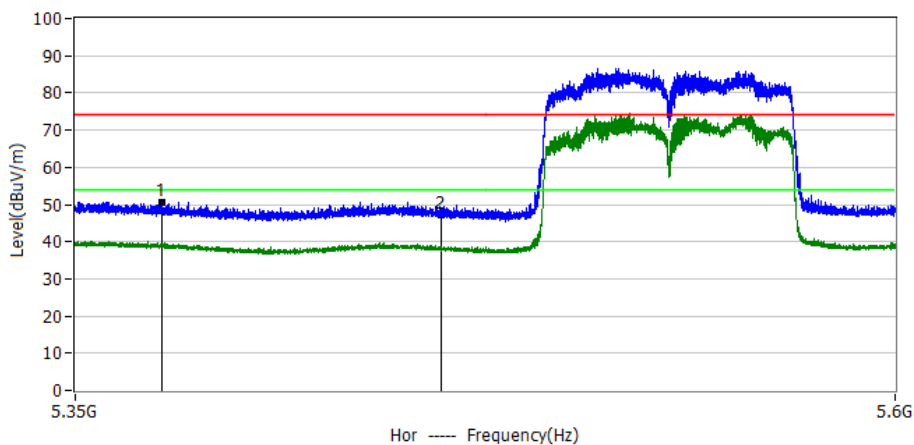
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.350GHz	56.36	-7.26	49.10	74.00	-24.90	PK	Hor
2*	5.361GHz	58.39	-7.29	51.10	74.00	-22.90	PK	Hor



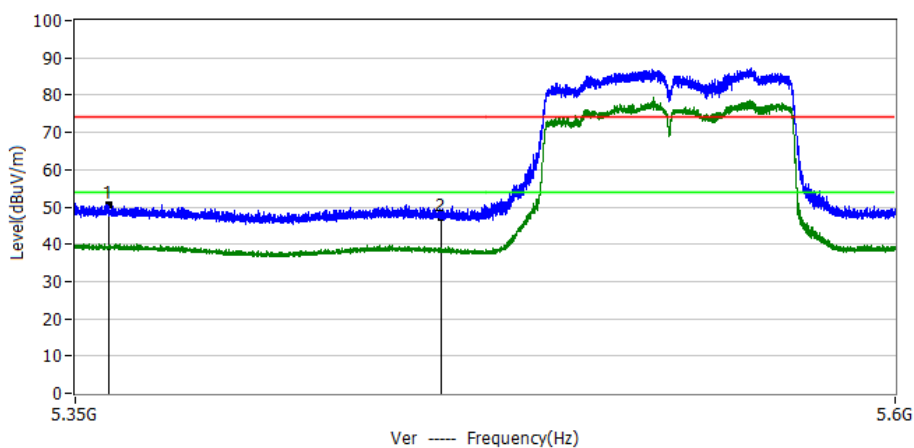
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.350GHz	54.96	-7.26	47.70	74.00	-26.30	PK	Ver
2*	5.368GHz	57.60	-7.32	50.28	74.00	-23.72	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11ac80 5530	
Note:	



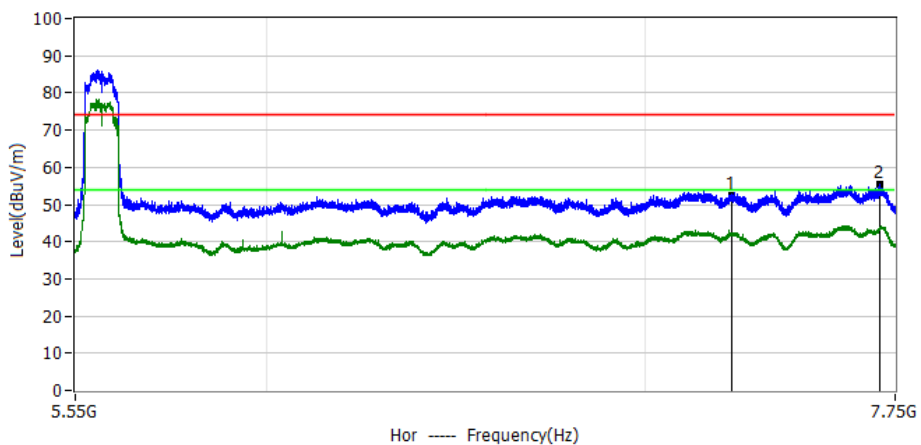
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.376GHz	58.08	-7.34	50.74	74.00	-23.26	PK	Hor
2*	5.460GHz	54.71	-7.61	47.10	74.00	-26.90	PK	Hor



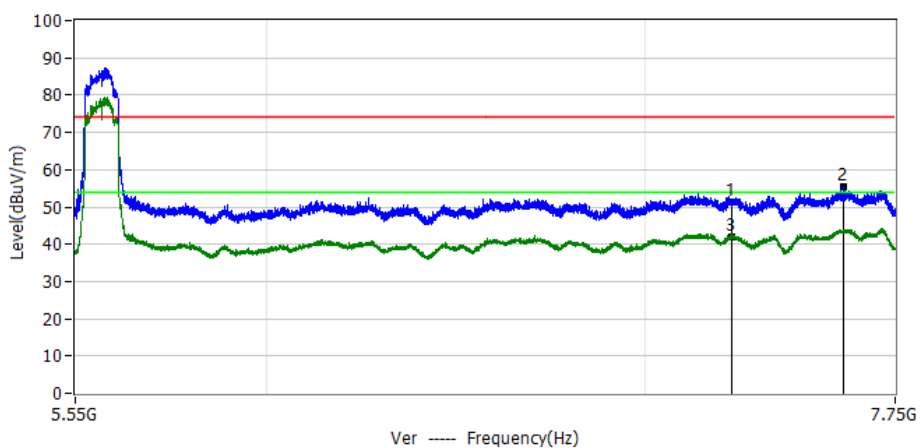
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.360GHz	57.98	-7.29	50.69	74.00	-23.31	PK	Ver
2*	5.460GHz	54.71	-7.61	47.10	74.00	-26.90	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11ac80 5610	
Note:	



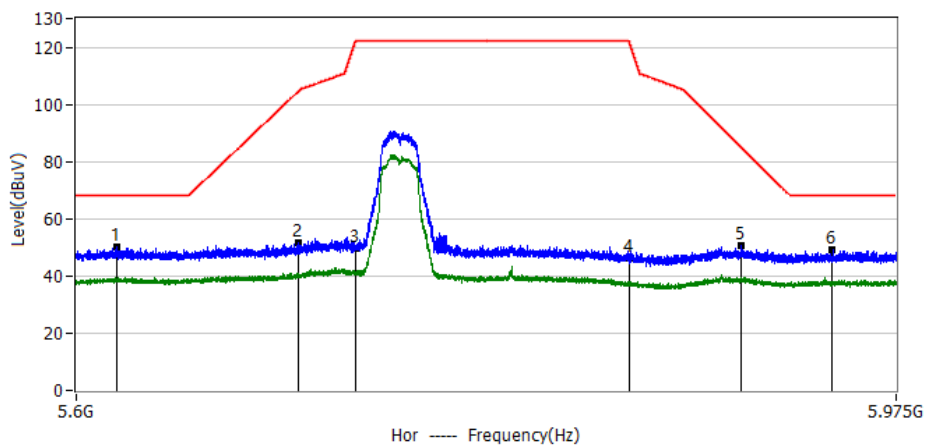
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	7.250GHz	57.49	-4.99	52.50	74.00	-21.50	PK	Hor
2*	7.700GHz	59.62	-4.18	55.44	74.00	-18.56	PK	Hor



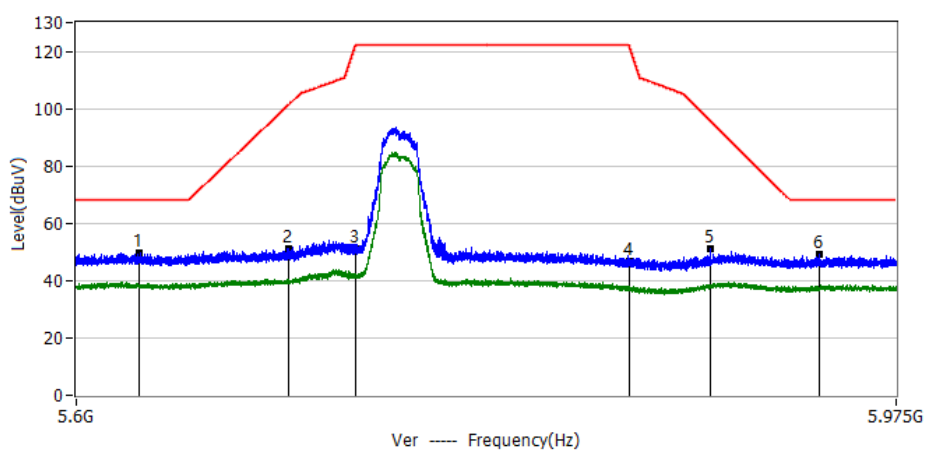
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	7.250GHz	56.39	-4.99	51.40	74.00	-22.60	PK	Ver
2*	7.590GHz	59.64	-4.24	55.40	74.00	-18.60	PK	Ver
3*	7.250GHz	46.89	-4.99	41.90	54.00	-12.10	AV	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11a 5745	
Note:	



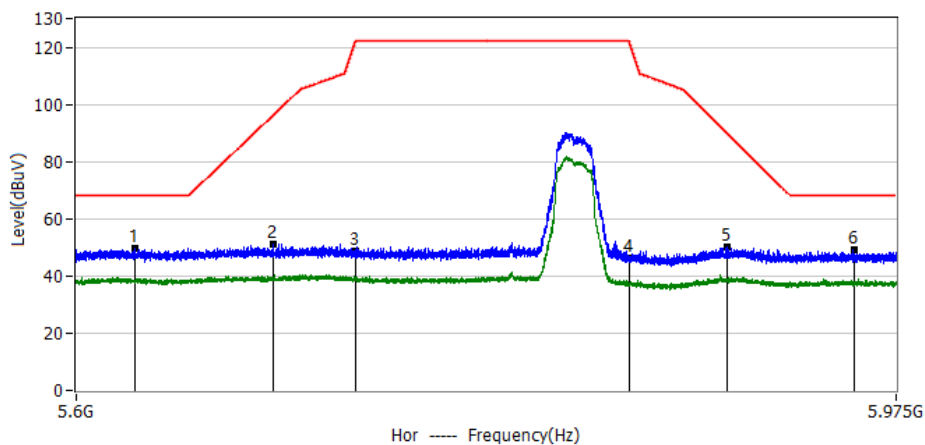
No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.618GHz	57.83	-7.69	50.14	68.20	-18.06	PK	Hor
2*	5.699GHz	59.35	-7.66	51.69	104.60	-52.91	PK	Hor
3*	5.725GHz	57.15	-7.65	49.50	122.20	-72.60	PK	Hor
4*	5.850GHz	53.80	-7.60	46.20	122.20	-76.00	PK	Hor
5*	5.902GHz	58.07	-7.58	50.49	84.86	-34.37	PK	Hor
6*	5.945GHz	56.64	-7.56	49.08	68.20	-19.12	PK	Hor



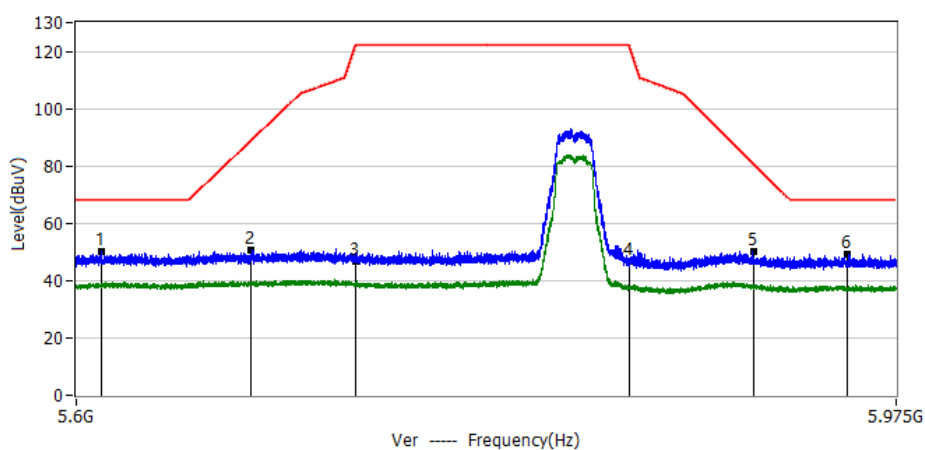
No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.628GHz	57.43	-7.69	49.74	68.20	-18.46	PK	Ver
2*	5.695GHz	58.85	-7.66	51.19	101.42	-50.23	PK	Ver
3*	5.725GHz	58.95	-7.65	51.30	122.20	-70.90	PK	Ver
4*	5.850GHz	54.20	-7.60	46.60	122.20	-75.50	PK	Ver
5*	5.888GHz	58.61	-7.58	51.03	95.58	-44.55	PK	Ver
6*	5.939GHz	56.56	-7.56	49.00	68.20	-19.20	PK	Ver



Project: LGT23B071	Test Engineer: Dylan.shi
EUT: Smart Phone	Temperature: 24.8°C
M/N: CP12t	Humidity: 45%RH
Test Voltage: Battery	Test Data: 2023-03-11
Test Mode: 802.11a 5825	
Note:	



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.626GHz	57.25	-7.69	49.56	68.20	-18.64	PK	Hor
2*	5.688GHz	58.99	-7.66	51.33	96.06	-44.73	PK	Hor
3*	5.725GHz	56.55	-7.65	48.90	122.20	-73.30	PK	Hor
4*	5.850GHz	53.70	-7.60	46.10	122.20	-76.10	PK	Hor
5*	5.896GHz	57.60	-7.58	50.02	89.96	-39.94	PK	Hor
6*	5.955GHz	56.95	-7.56	49.39	68.20	-18.81	PK	Hor



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.611GHz	57.94	-7.70	50.24	68.20	-17.96	PK	Ver
2*	5.678GHz	58.16	-7.67	50.49	89.13	-38.64	PK	Ver
3*	5.725GHz	54.35	-7.65	46.70	122.20	-75.50	PK	Ver
4*	5.850GHz	54.10	-7.60	46.50	122.20	-75.70	PK	Ver
5*	5.908GHz	57.76	-7.58	50.18	81.11	-30.93	PK	Ver
6*	5.952GHz	56.97	-7.56	49.41	68.20	-18.79	PK	Ver



4. POWER SPECTRAL DENSITY TEST

4.1 LIMIT

1. For mobile and portable client devices in the 5.15-5.25 GHz band, , the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2 TEST PROCEDURE

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (*i.e.*, 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS

For the measurement records, refer to the appendix I.



5. BANDWIDTH MEASUREMENT

5.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT

The following procedure shall be used for measuring 26 bandwidth.

5.1.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW \geq RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

For the measurement records refer to the appendix I.