







Appendix A.3: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.080	5736.800	5752.880	0.5	PASS
		5785	15.920	5777.160	5793.080	0.5	PASS
		5825	15.680	5817.400	5833.080	0.5	PASS
11N20SISO	Ant1	5745	16.920	5736.560	5753.480	0.5	PASS
		5785	16.800	5776.560	5793.360	0.5	PASS
		5825	16.280	5816.840	5833.120	0.5	PASS
11N40SISO	Ant1	5755	34.320	5738.360	5772.680	0.5	PASS
		5795	32.320	5778.280	5810.600	0.5	PASS

Test Graphs



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825





Appendix A.4: Test Results of Maximum output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	17.11	≤23.98	PASS
		5200	17.11	≤23.98	PASS
		5240	16.77	≤23.98	PASS
		5260	17.73	≤23.98	PASS
		5280	17.75	≤23.98	PASS
		5320	17.23	≤23.98	PASS
		5500	17.74	≤23.98	PASS
		5580	16.97	≤23.98	PASS
		5700	15.46	≤23.98	PASS
		5745	17.15	≤30.00	PASS
		5785	17.15	≤30.00	PASS
11N20SISO	Ant1	5825	17.06	≤30.00	PASS
		5180	16.39	≤23.98	PASS
		5200	16.28	≤23.98	PASS
		5240	15.94	≤23.98	PASS
		5260	16.92	≤23.98	PASS
		5280	16.65	≤23.98	PASS
		5320	16.43	≤23.98	PASS
		5500	16.99	≤23.98	PASS
		5580	16.13	≤23.98	PASS
		5700	14.17	≤23.98	PASS
		5745	16.15	≤30.00	PASS
11N40SISO	Ant1	5785	15.23	≤30.00	PASS
		5825	16.42	≤30.00	PASS
		5190	16.93	≤23.98	PASS
		5230	16.68	≤23.98	PASS
		5270	17.44	≤23.98	PASS
		5310	17.05	≤23.98	PASS
		5510	17.54	≤23.98	PASS
		5550	17.35	≤23.98	PASS
	Ant1	5670	16.41	≤23.98	PASS
		5755	16.89	≤30.00	PASS
		5795	17.22	≤30.00	PASS

U-NII 1: Max. e.i.r.p.= 17.11dBm+1.09dBi= 18.2dBm, which is less than 22.2dBm (10 dBm + 10 logB, dBm)
U-NII 2: Max. e.i.r.p.= 17.75dBm+1.25dBi= 19.00dBm, which is less than 29.2dBm (17 dBm + 10 logB, dBm)

Note:

- 1) The Duty Cycle Factor is compensated in the graph.
- 2) Antenna gain(G): max. 1.09dBi for U-NII-1, max. 1.25dBi for U-NII-2A, e.i.r.p.=P(Conducted power)+ G
- 3) B is the 99% emission bandwidth in MHz

Appendix A.5: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.18	≤11.00	PASS
		5200	4.23	≤11.00	PASS
		5240	3.53	≤11.00	PASS
		5260	4.10	≤11.00	PASS
		5280	4.18	≤11.00	PASS
		5320	3.30	≤11.00	PASS
		5500	4.32	≤11.00	PASS
		5580	4.76	≤11.00	PASS
		5700	3.90	≤11.00	PASS
		5745	1.82	≤30.00	PASS
		5785	1.87	≤30.00	PASS
11N20SISO	Ant1	5825	1.68	≤30.00	PASS
		5180	3.61	≤11.00	PASS
		5200	3.67	≤11.00	PASS
		5240	3.10	≤11.00	PASS
		5260	3.65	≤11.00	PASS
		5280	3.71	≤11.00	PASS
		5320	2.95	≤11.00	PASS
		5500	3.87	≤11.00	PASS
		5580	3.96	≤11.00	PASS
		5700	3.48	≤11.00	PASS
		5745	1.30	≤30.00	PASS
11N40SISO	Ant1	5785	1.45	≤30.00	PASS
		5825	1.38	≤30.00	PASS
		5190	1.27	≤11.00	PASS
		5230	1.00	≤11.00	PASS
		5270	1.40	≤11.00	PASS
		5310	0.36	≤11.00	PASS
		5510	1.75	≤11.00	PASS
		5550	1.69	≤11.00	PASS
		5670	1.10	≤11.00	PASS
	Ant1	5755	-0.83	≤30.00	PASS
		5795	-0.81	≤30.00	PASS

U-NII 1: Max. e.i.r.p. spectral density= 4.23dBm+1.09dBi= 5.32dBm/MHz, which is less than 10dBm/MHz

Note:

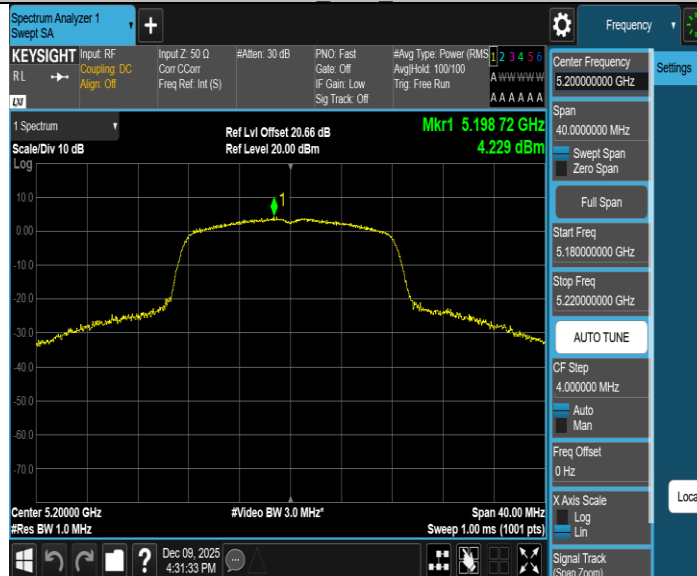
- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): max. 1.09dBi for U-NII-1.
- 3) The Result and Limit Unit is dBm/500 kHz in the band 5.725~5.85 GHz.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240







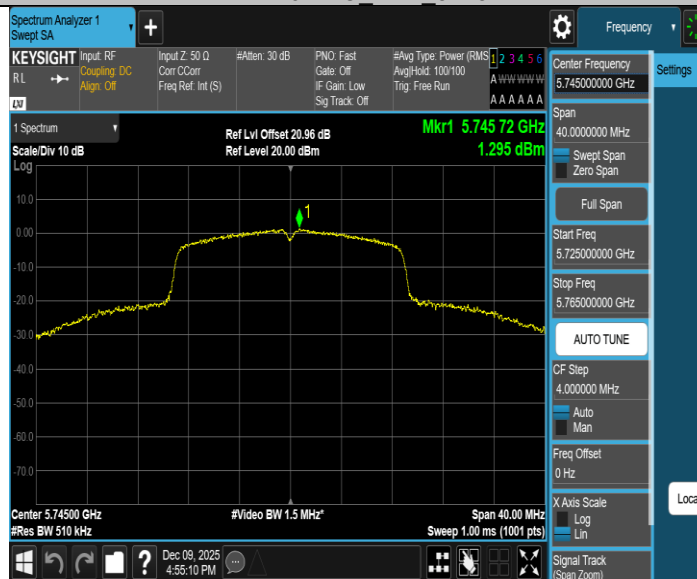








11N20SISO Ant1 5745



11N20SISO Ant1 5785



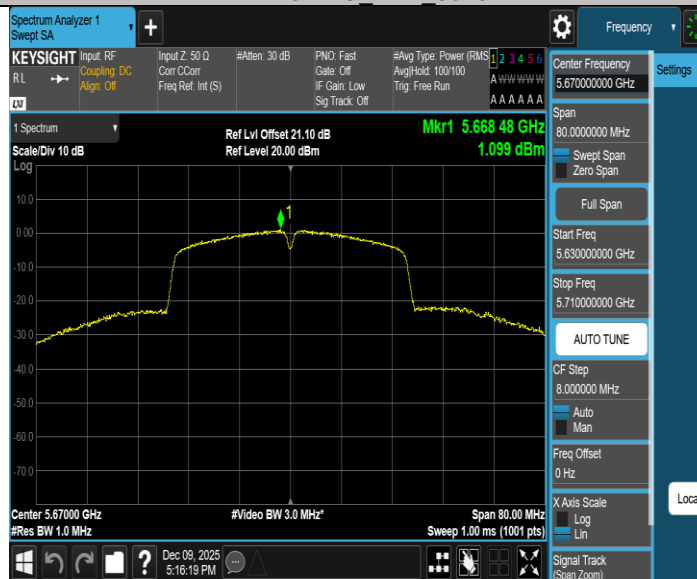
11N20SISO Ant1 5825



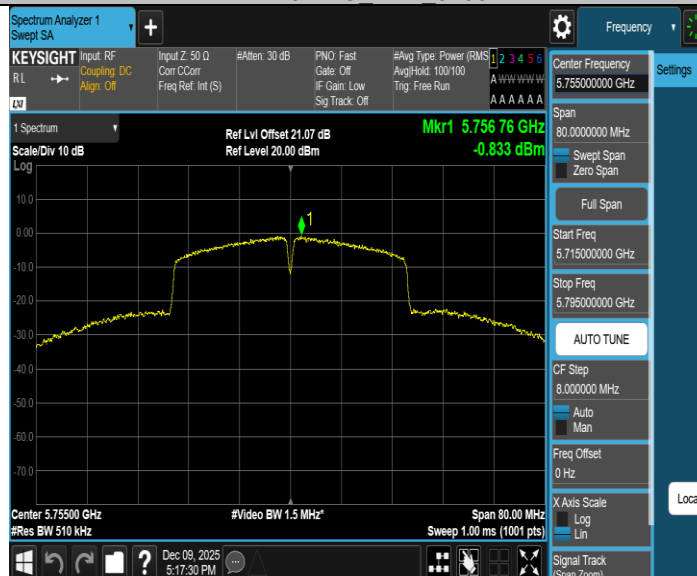




11N40SISO Ant1 5670



11N40SISO Ant1 5755



11N40SISO Ant1 5795



Appendix A.6: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11N20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
		5200	NV	NT	-40000.00	-7.692308	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
		5260	NV	NT	-40000.00	-7.604563	20	PASS
		5280	NV	NT	-20000.00	-3.787879	20	PASS
		5320	NV	NT	-20000.00	-3.759398	20	PASS
		5500	NV	NT	-60000.00	-10.909091	20	PASS
		5580	NV	NT	-40000.00	-7.168459	20	PASS
		5700	NV	NT	-40000.00	-7.017544	20	PASS
		5745	NV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	-40000.00	-6.914434	20	PASS
		5825	NV	NT	-40000.00	-6.866953	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11N20SISO	Ant1	5180	NV	0	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
		5200	NV	0	-60000.00	-11.538462	20	PASS
			NV	40	-40000.00	-7.692308	20	PASS
		5240	NV	0	-40000.00	-7.633588	20	PASS
			NV	40	-40000.00	-7.633588	20	PASS
		5260	NV	0	-60000.00	-11.406844	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
		5280	NV	0	-40000.00	-7.575758	20	PASS
			NV	40	-40000.00	-7.575758	20	PASS
		5320	NV	0	-40000.00	-7.518797	20	PASS
			NV	40	-40000.00	-7.518797	20	PASS
		5500	NV	0	-40000.00	-7.272727	20	PASS
			NV	40	-60000.00	-10.909091	20	PASS
		5580	NV	0	-40000.00	-7.168459	20	PASS
			NV	40	-60000.00	-10.752688	20	PASS
		5700	NV	0	-40000.00	-7.017544	20	PASS
			NV	40	-40000.00	-7.017544	20	PASS
		5745	NV	0	-40000.00	-6.962576	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
		5785	NV	0	-40000.00	-6.914434	20	PASS
			NV	40	-40000.00	-6.914434	20	PASS
		5825	NV	0	-40000.00	-6.866953	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

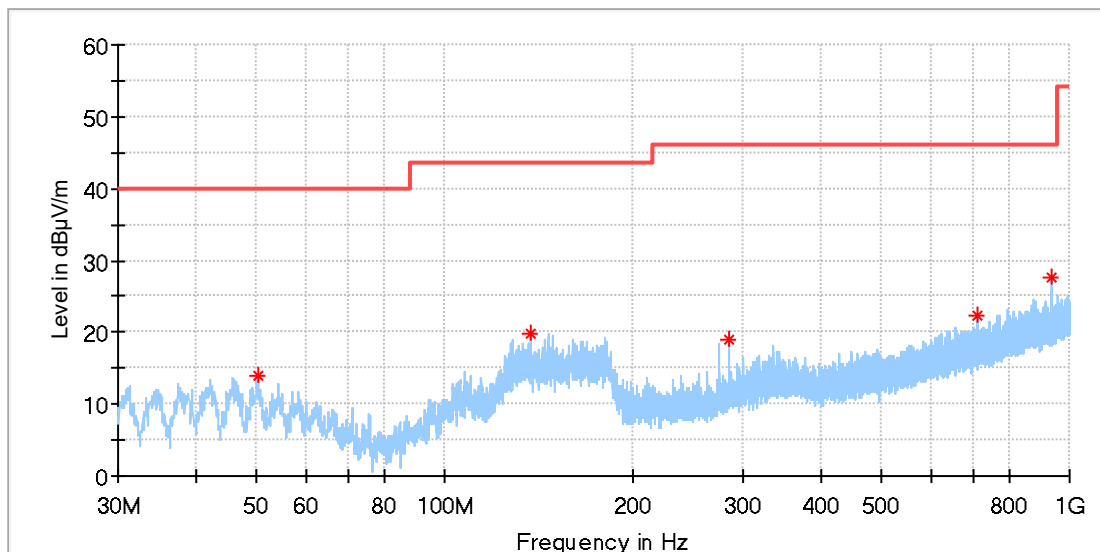
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

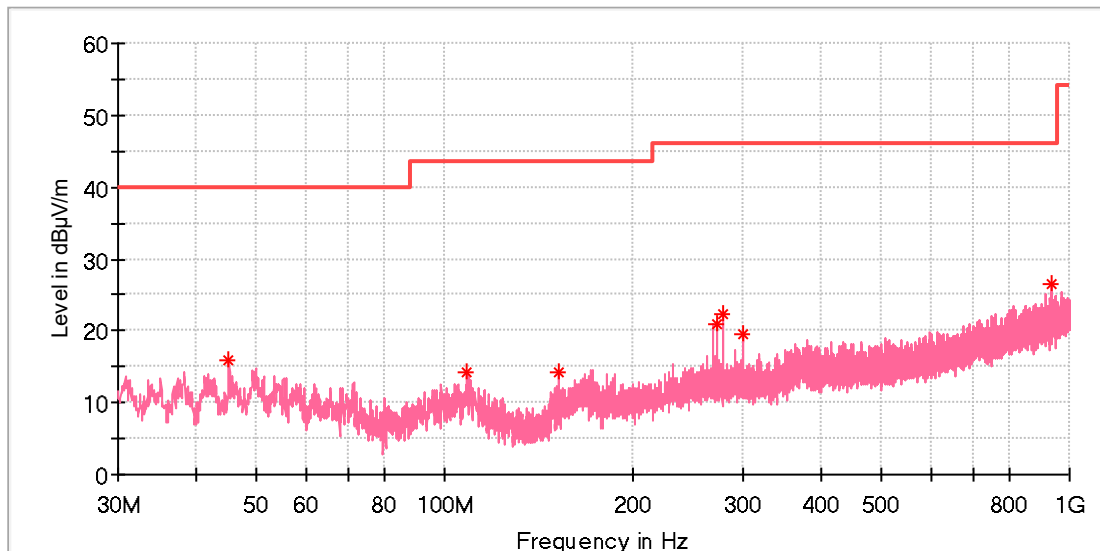
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.208333	14.01	40.00	25.99	100.0	H	5.0	-18.4
137.346667	19.82	43.50	23.68	100.0	H	141.0	-22.2
284.463333	18.97	46.00	27.03	100.0	H	42.0	-16.6
712.125556	22.24	46.00	23.76	100.0	H	342.0	-7.7
936.950000	27.75	46.00	18.25	100.0	H	57.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: WIFI+BT Module
Model: WKT82R1501
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: 168582607/A004129867-005
Test Voltage: DC 3.3V
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.142778	15.77	40.00	24.23	100.0	V	238.0	-18.9
108.785556	14.10	43.50	29.40	100.0	V	101.0	-19.1
152.651111	14.32	43.50	29.18	100.0	V	92.0	-22.2
272.284444	21.07	46.00	24.93	100.0	V	327.0	-16.9
279.451667	22.37	46.00	23.63	100.0	V	92.0	-16.7
301.061111	19.64	46.00	26.36	100.0	V	13.0	-16.2
936.950000	26.47	46.00	19.53	100.0	V	154.0	-4.4

Final Result

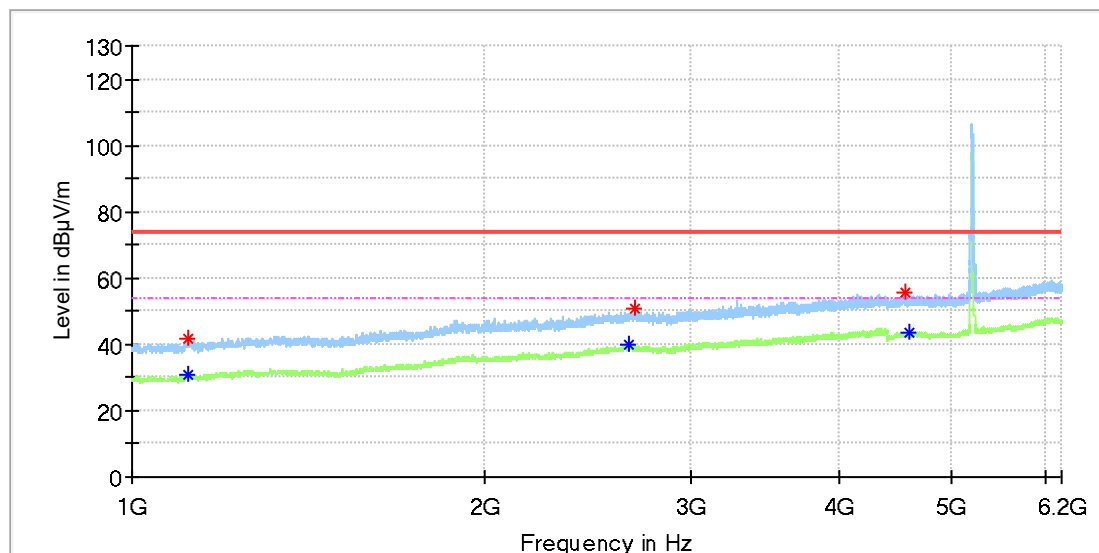
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

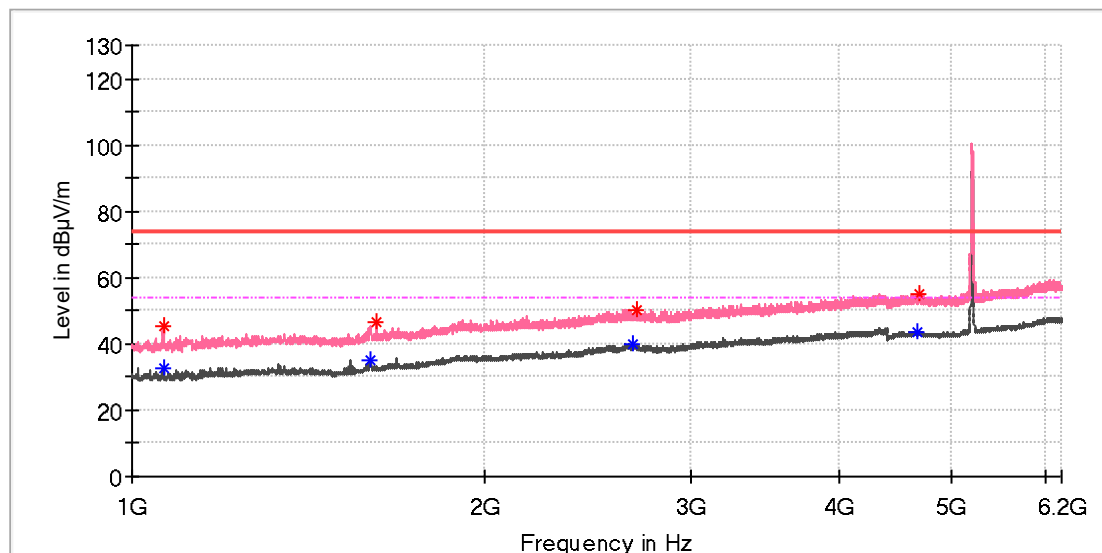
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1114.500000	41.60	---	74.00	32.40	150.0	H	322.0	0.7
1114.500000	---	31.09	54.00	22.91	150.0	H	322.0	0.7
2648.000000	---	39.74	54.00	14.26	150.0	H	185.0	10.1
2682.000000	50.93	---	74.00	23.07	150.0	H	185.0	10.1
4566.500000	55.36	---	74.00	18.64	150.0	H	75.0	13.5
4594.000000	---	43.32	54.00	10.68	150.0	H	162.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

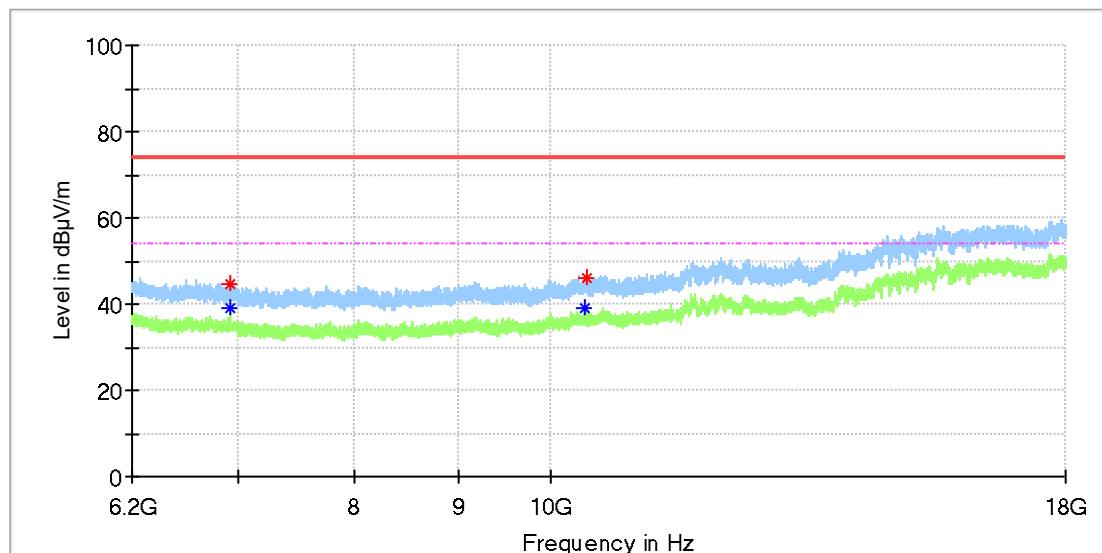
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1063.000000	---	32.91	54.00	21.09	150.0	V	147.0	0.5
1063.000000	45.07	---	74.00	28.93	150.0	V	147.0	0.5
1598.000000	---	34.78	54.00	19.22	150.0	V	257.0	3.8
1614.000000	46.44	---	74.00	27.56	150.0	V	257.0	4.0
2669.500000	---	39.78	54.00	14.22	150.0	V	166.0	10.2
2691.000000	50.47	---	74.00	23.53	150.0	V	350.0	10.0
4679.000000	---	43.59	54.00	10.41	150.0	V	117.0	13.5
4682.000000	54.77	---	74.00	19.23	150.0	V	62.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

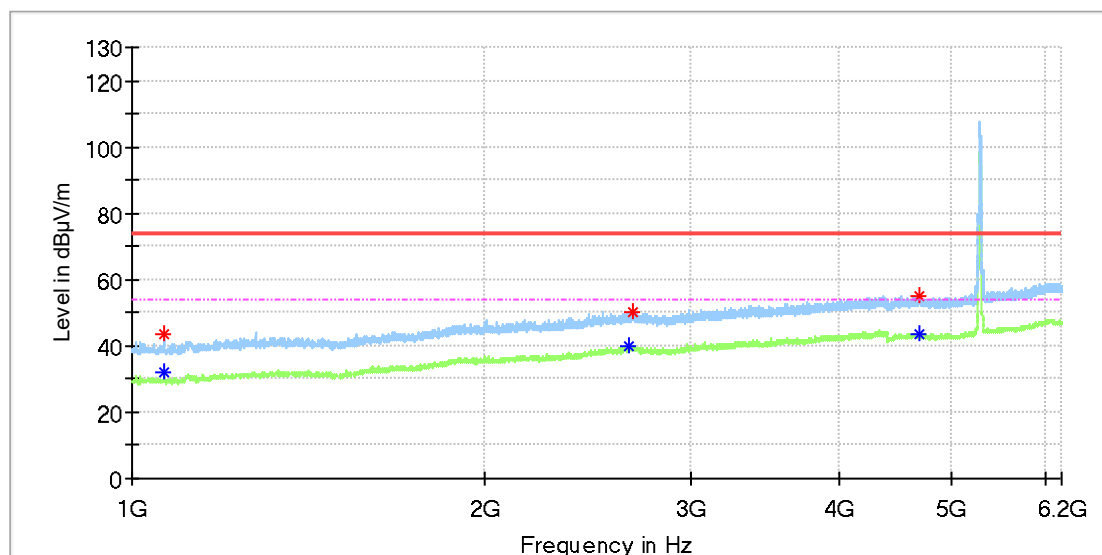
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	44.68	---	74.00	29.32	150.0	H	176.0	8.6
6933.075000	---	39.29	54.00	14.71	150.0	H	176.0	8.6
10398.833333	---	38.93	54.00	15.07	150.0	H	287.0	11.9
10412.600000	46.04	---	74.00	27.96	150.0	H	140.0	11.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

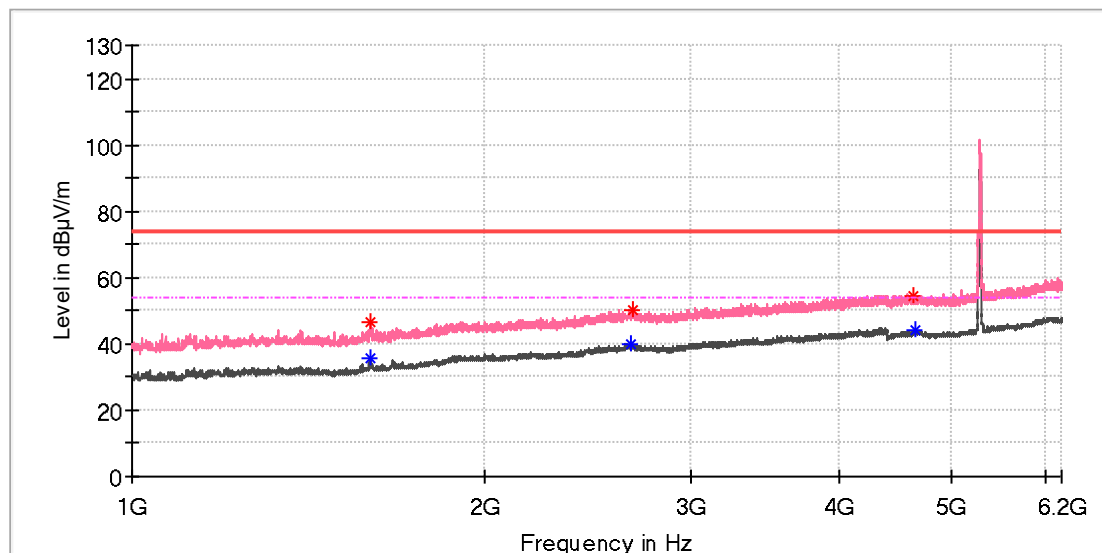
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1064.000000	43.36	---	74.00	30.64	150.0	H	168.0	0.5
1064.000000	---	31.81	54.00	22.19	150.0	H	168.0	0.5
2648.000000	---	39.83	54.00	14.17	150.0	H	214.0	10.1
2668.000000	49.88	---	74.00	24.12	150.0	H	301.0	10.2
4687.000000	---	43.81	54.00	10.19	150.0	H	82.0	13.5
4688.500000	55.11	---	74.00	18.89	150.0	H	302.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

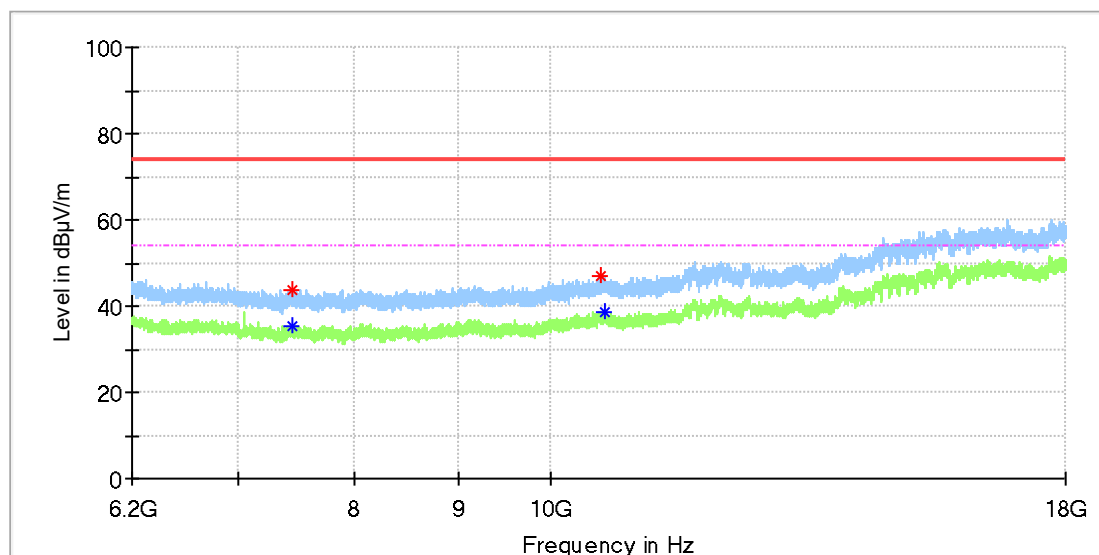
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.000000	---	35.47	54.00	18.53	150.0	V	263.0	3.8
1599.000000	46.34	---	74.00	27.66	150.0	V	263.0	3.8
2660.500000	---	39.67	54.00	14.33	150.0	V	269.0	10.2
2669.500000	50.19	---	74.00	23.81	150.0	V	17.0	10.2
4637.000000	54.47	---	74.00	19.53	150.0	V	0.0	13.5
4655.500000	---	43.95	54.00	10.05	150.0	V	4.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

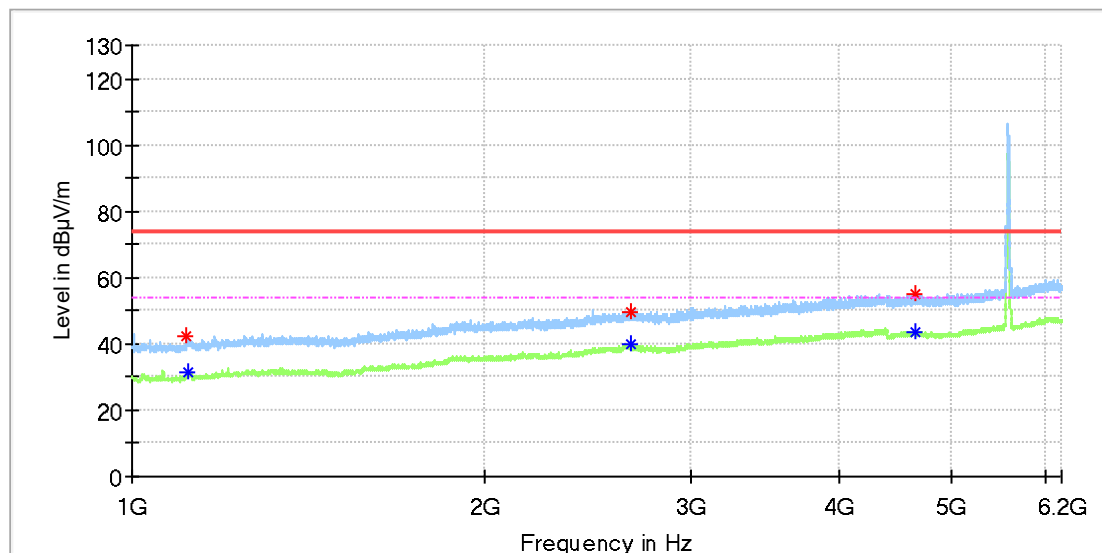
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7441.950000	43.82	---	74.00	30.18	150.0	H	298.0	8.4
7444.900000	---	35.40	54.00	18.60	150.0	H	287.0	8.5
10582.716667	46.96	---	74.00	27.04	150.0	H	115.0	12.0
10641.716667	---	38.76	54.00	15.24	150.0	H	34.0	12.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

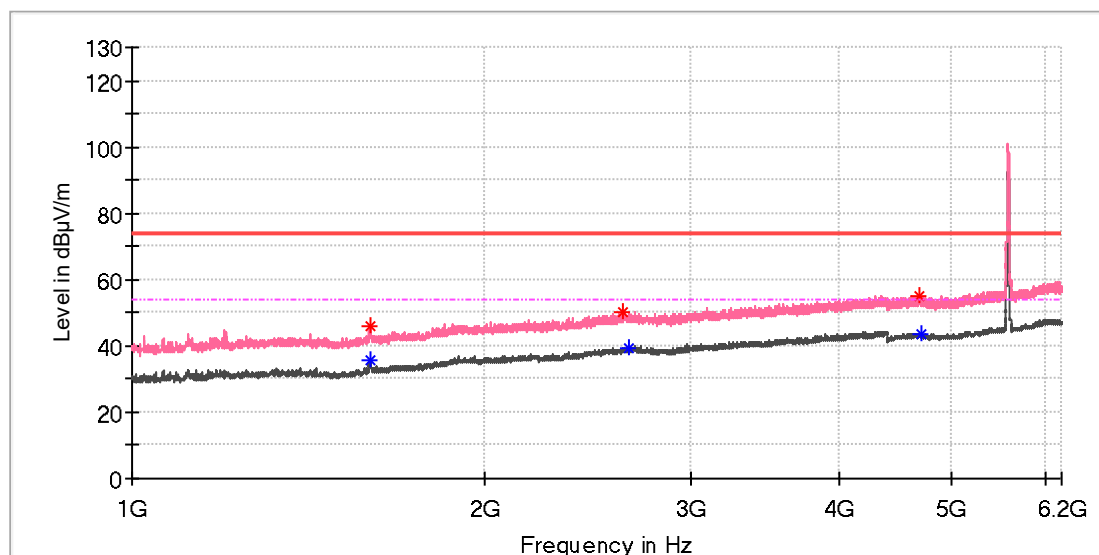
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1113.000000	42.15	---	74.00	31.85	150.0	H	169.0	0.7
1115.000000	---	31.59	54.00	22.41	150.0	H	355.0	0.8
2660.500000	49.83	---	74.00	24.17	150.0	H	150.0	10.2
2665.000000	---	39.74	54.00	14.26	150.0	H	157.0	10.2
4647.000000	---	43.80	54.00	10.20	150.0	H	85.0	13.5
4652.000000	54.78	---	74.00	19.22	150.0	H	8.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

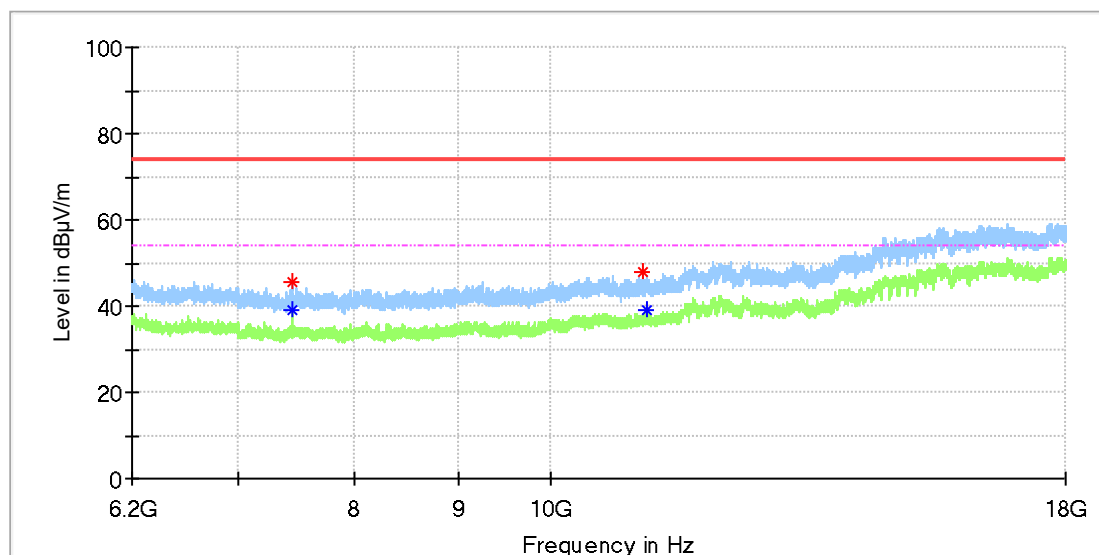
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1597.000000	---	35.84	54.00	18.16	150.0	V	258.0	3.8
1597.500000	45.86	---	74.00	28.14	150.0	V	258.0	3.8
2620.500000	49.99	---	74.00	24.01	150.0	V	291.0	9.8
2653.500000	---	39.51	54.00	14.49	150.0	V	278.0	10.2
4683.000000	54.93	---	74.00	19.07	150.0	V	273.0	13.5
4706.500000	---	43.54	54.00	10.46	150.0	V	230.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

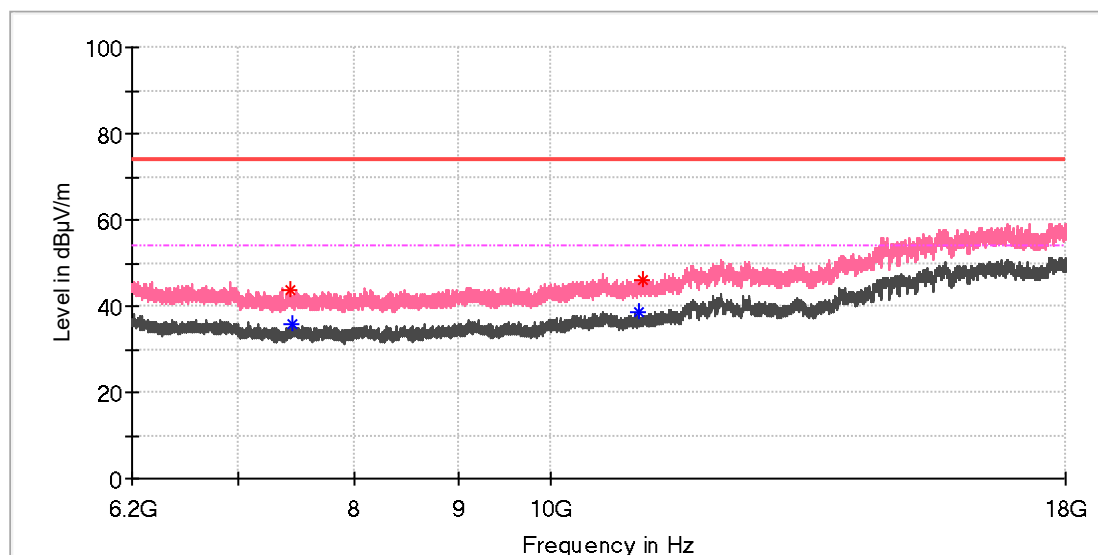
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	45.38	---	74.00	28.62	150.0	H	358.0	8.4
7439.983333	---	39.15	54.00	14.85	150.0	H	358.0	8.4
11098.475000	47.79	---	74.00	26.21	150.0	H	195.0	12.4
11165.833333	---	38.95	54.00	15.05	150.0	H	260.0	12.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

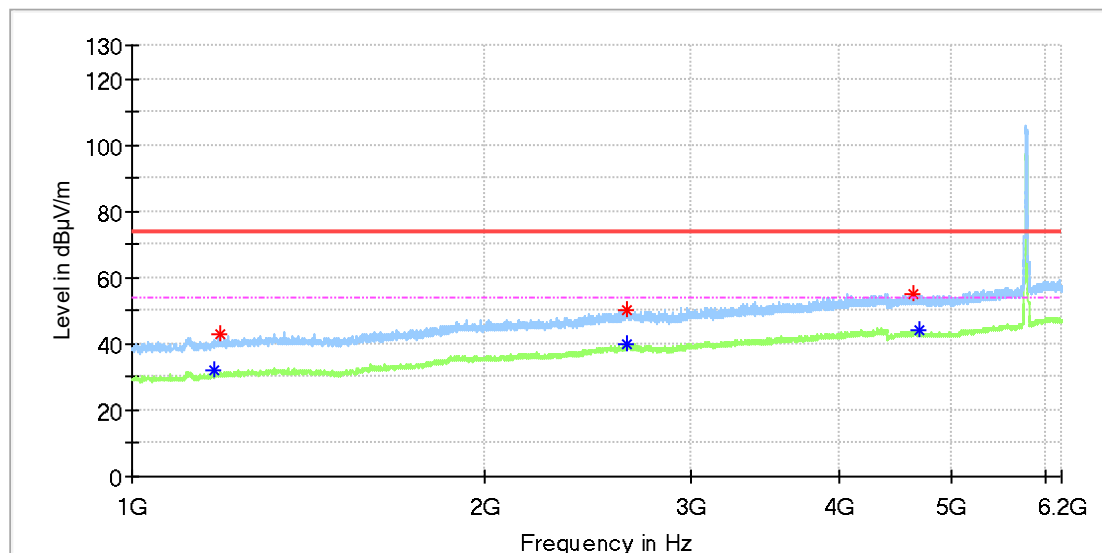
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7434.083333	43.64	---	74.00	30.36	150.0	V	82.0	8.4
7446.866667	---	35.76	54.00	18.24	150.0	V	12.0	8.5
11047.833333	---	38.56	54.00	15.44	150.0	V	129.0	12.3
11115.191667	45.91	---	74.00	28.09	150.0	V	0.0	12.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

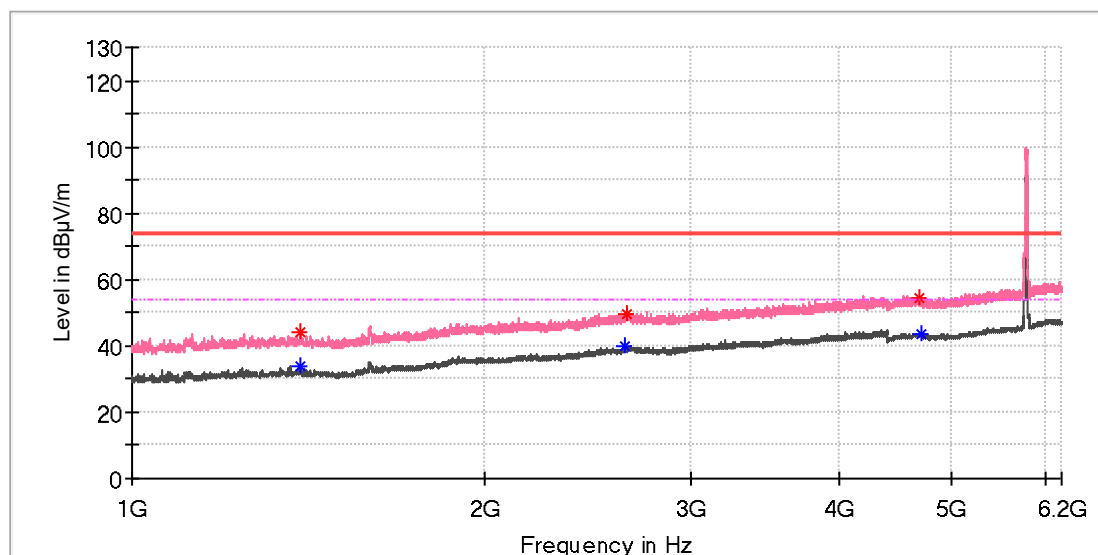
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1176.000000	---	32.30	54.00	21.70	150.0	H	150.0	1.6
1189.000000	42.96	---	74.00	31.04	150.0	H	346.0	1.7
2637.500000	---	39.70	54.00	14.30	150.0	H	227.0	10.0
2638.000000	49.92	---	74.00	24.08	150.0	H	308.0	10.0
4640.000000	55.06	---	74.00	18.94	150.0	H	76.0	13.5
4682.500000	---	43.94	54.00	10.06	150.0	H	19.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

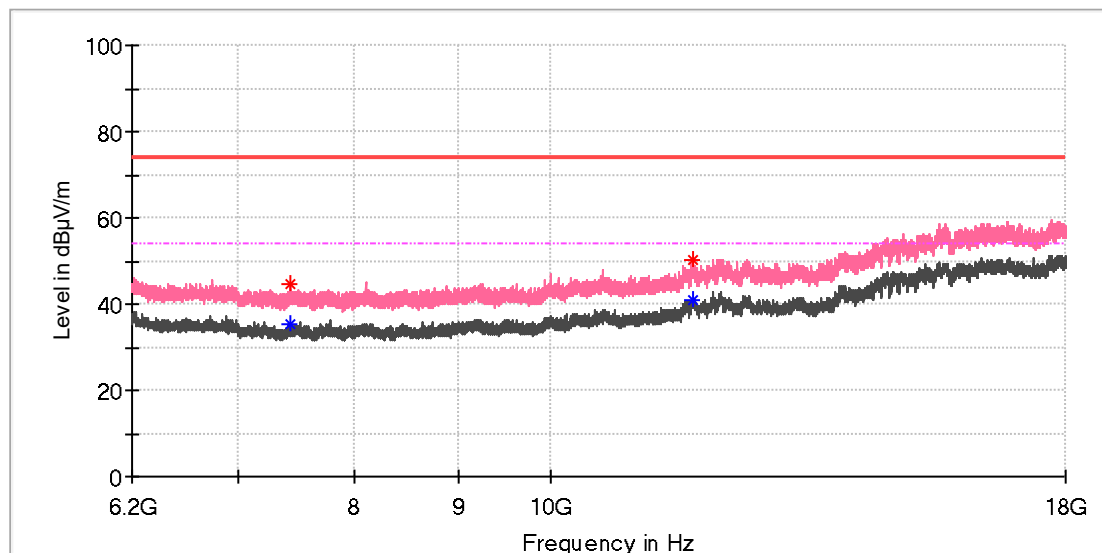
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1389.500000	43.92	---	74.00	30.08	150.0	V	121.0	3.0
1392.500000	---	33.97	54.00	20.03	150.0	V	195.0	3.0
2632.500000	---	39.85	54.00	14.15	150.0	V	158.0	9.9
2642.500000	49.73	---	74.00	24.27	150.0	V	208.0	10.1
4684.500000	54.51	---	74.00	19.49	150.0	V	141.0	13.5
4702.000000	---	43.76	54.00	10.24	150.0	V	122.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7429.166667	44.64	---	74.00	29.36	150.0	V	302.0	8.4
7431.133333	---	35.48	54.00	18.52	150.0	V	354.0	8.4
11753.866667	50.37	---	74.00	23.63	150.0	V	144.0	15.5
11757.800000	---	40.99	54.00	13.01	150.0	V	55.0	15.4

Final Result

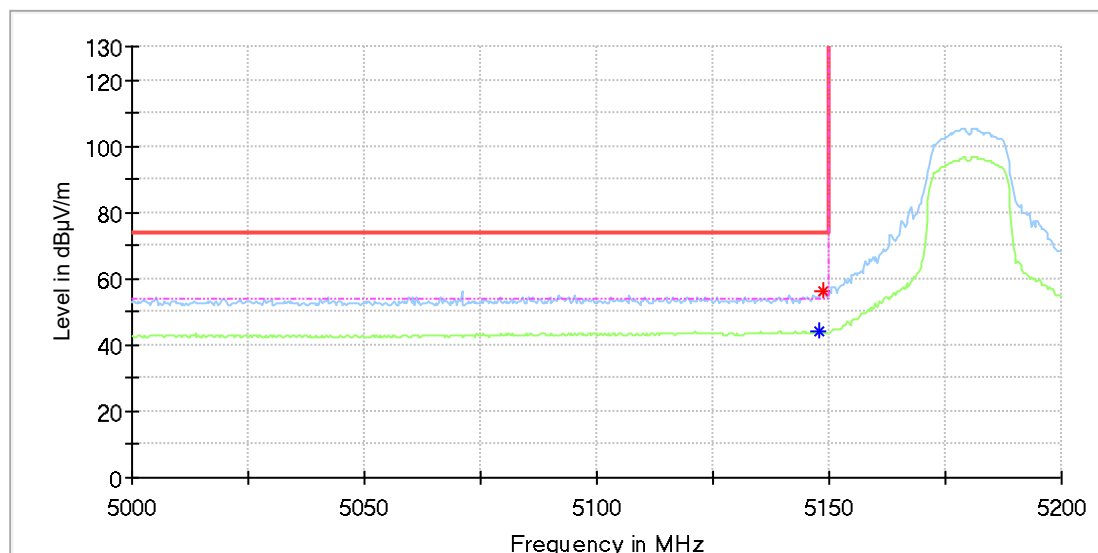
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

U-NII-1 Band

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKT82R1501
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168582607/A004129867-005
Test Voltage:	DC 3.3V
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	---	44.20	54.00	9.80	150.0	H	349.0	13.9
5148.644445	56.33	---	74.00	17.67	150.0	H	130.0	13.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	