

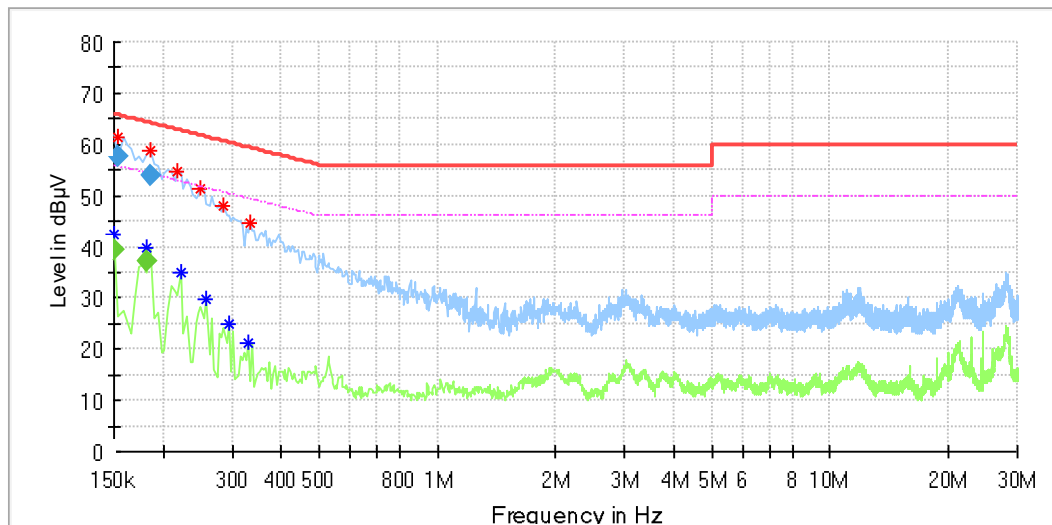
Appendix C: Test Results of FCC 15B & ICES-003

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Appendix C.1: Test Plots of Conducted Emission on AC Mains

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Charging
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	MCU GD32F103CBT6



Critical_Freqs

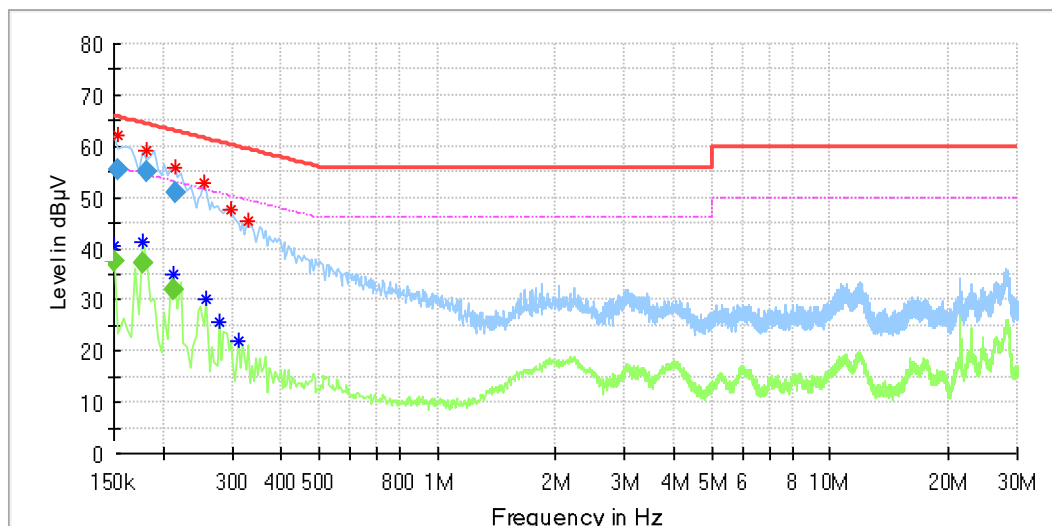
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	42.47	56.00	13.53	L1	9.9
0.153500	61.26	---	65.57	4.31	L1	9.9
0.181500	---	39.68	54.21	14.53	L1	9.9
0.185500	58.79	---	64.21	5.42	L1	9.9
0.218000	54.81	---	62.90	8.08	L1	9.9
0.222000	---	35.00	52.74	17.74	L1	9.9
0.250000	51.49	---	61.76	10.27	L1	9.9
0.258000	---	29.94	51.50	21.55	L1	9.9
0.286000	47.95	---	60.64	12.69	L1	9.9
0.294000	---	24.90	50.41	25.51	L1	9.9
0.330000	---	21.11	49.45	28.34	L1	9.9
0.334000	44.48	---	59.35	14.87	L1	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	---	39.32	56.00	16.68	1000.0	9.000	L1	9.9
0.153500	57.77	---	65.81	8.03	1000.0	9.000	L1	9.9
0.181500	---	37.29	54.42	17.13	1000.0	9.000	L1	9.9
0.185500	54.09	---	64.24	10.15	1000.0	9.000	L1	9.9

EUT Information

EUT Name: Realsee
Order No: 16832760 item 50
Model: RS5YT01
Test mode: Charging
Test Voltage: AC 120V/60Hz
Test By: Jianhua Lu
Review By: Gary Chen
Remark: MCU GD32F103CBT6



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	40.58	56.00	15.42	N	9.8
0.154000	62.18	---	66.00	3.82	N	9.8
0.177500	---	41.37	54.58	13.21	N	9.8
0.181500	59.12	---	64.58	5.46	N	9.8
0.213500	---	34.91	53.21	18.29	N	9.8
0.214500	55.91	---	63.21	7.29	N	9.8
0.254000	52.84	---	61.63	8.78	N	9.8
0.258000	---	30.11	51.50	21.38	N	9.8
0.278000	---	25.64	50.88	25.23	N	9.8
0.298000	47.69	---	60.30	12.61	N	9.8
0.310000	---	22.06	49.97	27.92	N	9.8
0.330000	45.24	---	59.45	14.21	N	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	---	37.76	56.00	18.24	1000.0	9.000	N	9.8
0.154000	55.41	---	65.78	10.37	1000.0	9.000	N	9.8
0.177500	---	37.10	54.60	17.51	1000.0	9.000	N	9.8
0.181500	55.25	---	64.42	9.17	1000.0	9.000	N	9.8
0.213500	---	31.90	53.07	21.17	1000.0	9.000	N	9.8
0.214500	50.96	---	63.03	12.07	1000.0	9.000	N	9.8

Appendix C.2: Test Plots of Radiated Emission, Below 1GHz

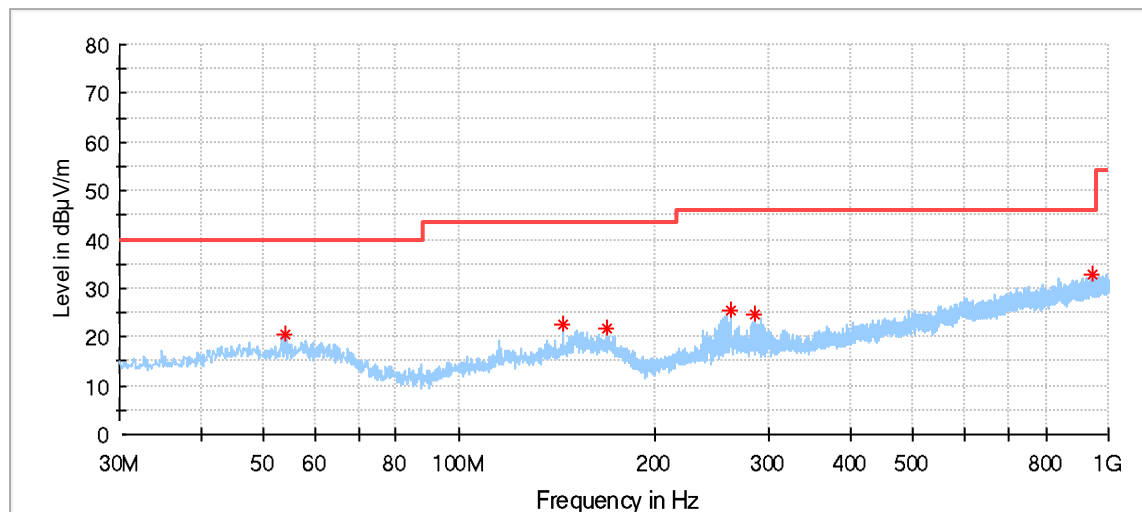
Note: The following illustration shows the limit that meet the FCC requirements, and these measured value also comply with IC requirements.

Bluetooth communication mode

MCU STM32F103CBT6

EUT Information

EUT Name:	Realsee Gimbal
Order No:	168332760 item 50
Model:	RS5YT01
Test mode:	Bluetooth communication
Test Voltage:	Battery
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber

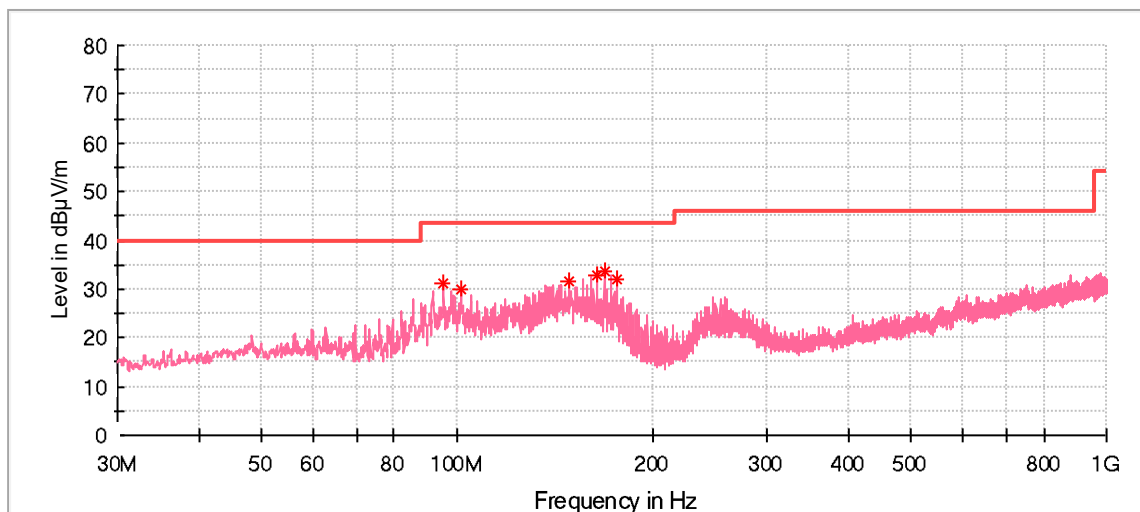


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.153000	20.50	40.00	19.50	100.0	H	335.0	21.0
144.363000	22.37	43.50	21.13	200.0	H	270.0	20.2
168.419000	21.75	43.50	21.75	100.0	H	124.0	21.6
262.509000	25.60	46.00	20.40	200.0	H	119.0	20.2
284.722000	24.75	46.00	21.25	200.0	H	59.0	19.9
945.680000	32.75	46.00	13.25	100.0	H	143.0	32.1

EUT Information

EUT Name: Realsee Gimbal
Order No: 168332760 item 50
Model: RS5YT01
Test mode: Bluetooth communication
Test Voltage: Battery
Test By: Jianhua Lu
Review By: Gary Chen
Remark: 3m Chamber



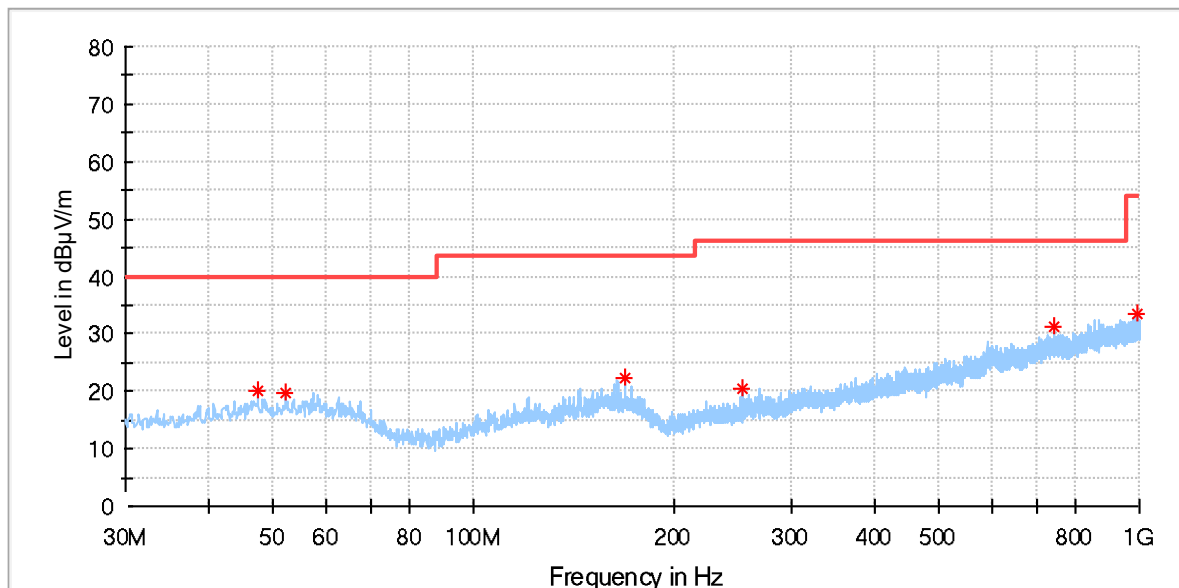
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
95.281000	31.08	43.50	12.42	100.0	V	171.0	16.4
101.489000	30.15	43.50	13.35	100.0	V	171.0	17.2
148.437000	31.78	43.50	11.72	100.0	V	261.0	20.4
164.539000	32.88	43.50	10.62	100.0	V	149.0	21.2
168.419000	33.81	43.50	9.69	100.0	V	346.0	21.6
176.567000	32.01	43.50	11.49	100.0	V	258.0	20.2

MCU GD32F103CBT6

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Bluetooth communication
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber

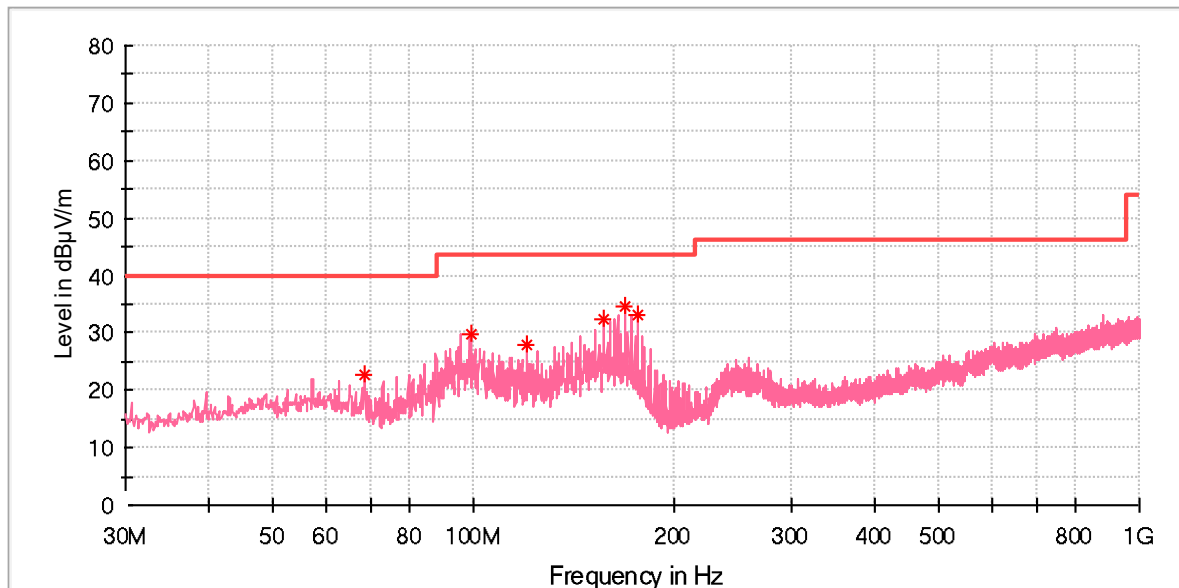


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.460000	20.10	40.00	19.90	200.0	H	301.0	21.3
52.116000	19.71	40.00	20.29	100.0	H	329.0	20.9
168.516000	22.15	43.50	21.35	100.0	H	294.0	21.6
253.100000	20.44	46.00	25.56	100.0	H	37.0	19.2
741.883000	31.15	46.00	14.85	200.0	H	177.0	30.3
995.926000	33.38	54.00	20.62	100.0	H	186.0	32.3

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Bluetooth communication
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

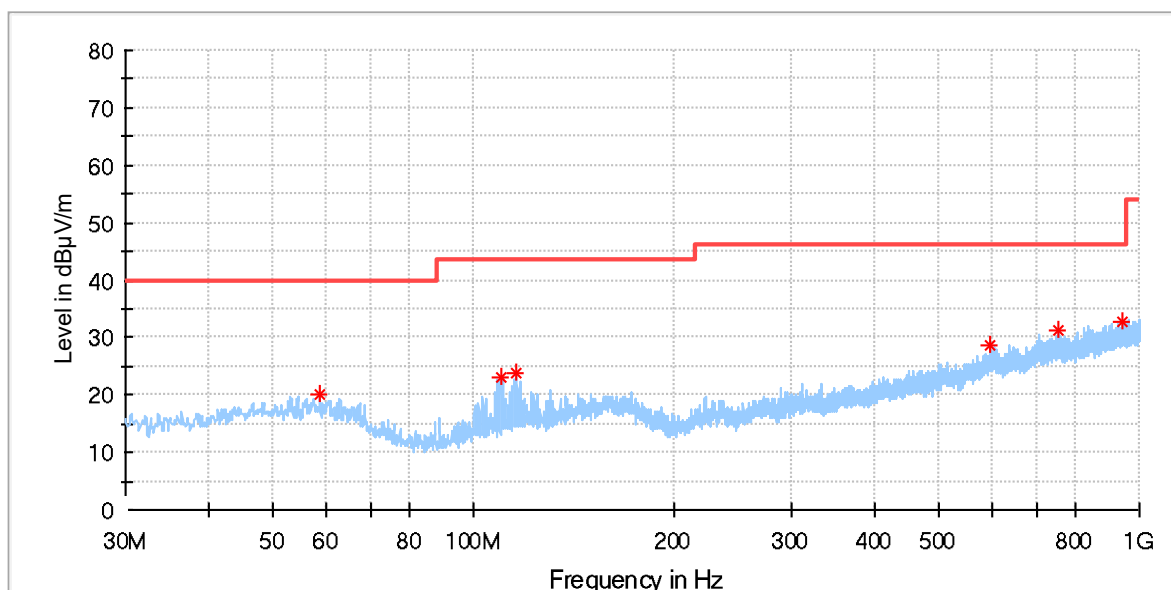
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
68.703000	22.74	40.00	17.26	100.0	V	259.0	18.8
98.870000	29.66	43.50	13.84	100.0	V	304.0	17.0
120.404000	27.98	43.50	15.52	100.0	V	36.0	19.3
156.585000	32.27	43.50	11.23	100.0	V	75.0	21.5
168.613000	34.63	43.50	8.87	100.0	V	204.0	21.6
176.567000	33.21	43.50	10.29	100.0	V	193.0	20.2

Charging mode

MCU GD32F103CBT6

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Charging
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber

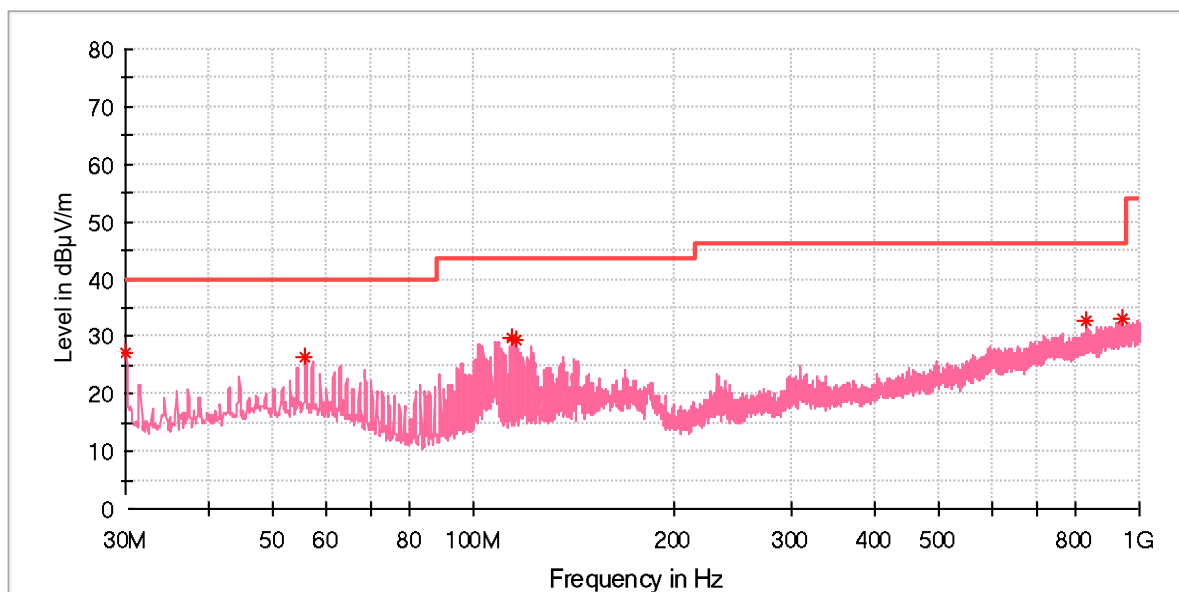


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
943.546000	32.88	46.00	13.12	100.0	H	215.0	32.2
116.136000	23.72	43.50	19.78	100.0	H	331.0	19.1
110.316000	23.02	43.50	20.48	200.0	H	4.0	18.0
58.615000	20.18	40.00	19.82	200.0	H	128.0	21.2
596.674000	28.64	46.00	17.36	200.0	H	311.0	27.8
755.269000	31.33	46.00	14.67	200.0	H	343.0	30.2

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Testmode:	Charging
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.097000	27.06	40.00	12.94	100.0	V	97.0	18.2
115.942000	29.30	43.50	14.20	100.0	V	187.0	19.1
114.487000	29.70	43.50	13.80	100.0	V	274.0	18.9
945.195000	33.11	46.00	12.89	100.0	V	295.0	32.2
55.802000	26.58	40.00	13.42	100.0	V	328.0	21.2
832.093000	32.80	46.00	13.20	100.0	V	348.0	30.9

Final Result

[illegible]

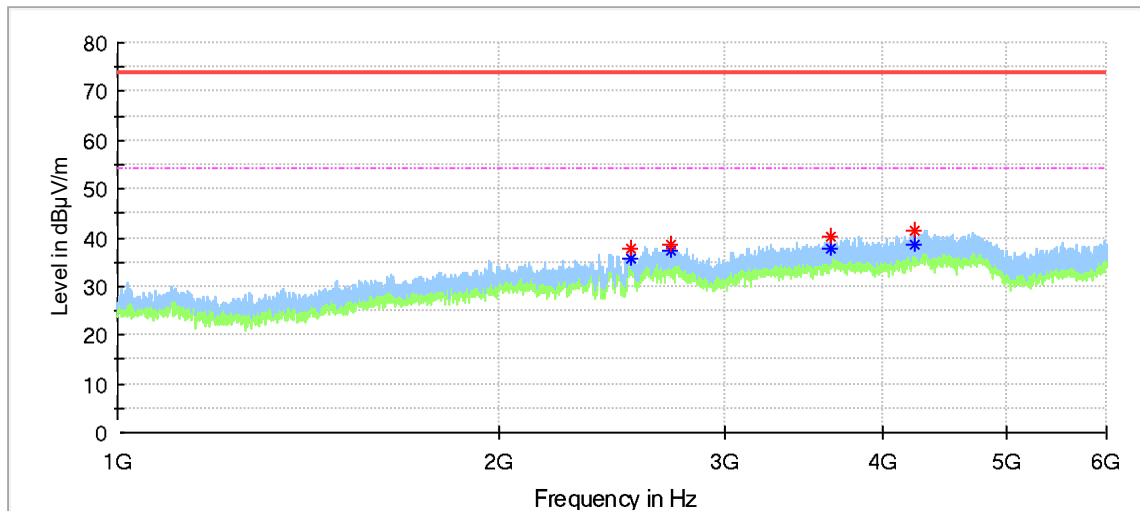
Appendix C.3: Test Plots of Radiated Emission, Above 1GHz

Bluetooth communication mode

MCU STM32F103CBT6

EUT Information

Realsee Gimbal	Realsee Gimbal
168332760 item 50	168332760 item 50
RS5YT01	RS5YT01
Test Mode:	Bluetooth communication
Test Voltage:	Battery
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	3m Chamber

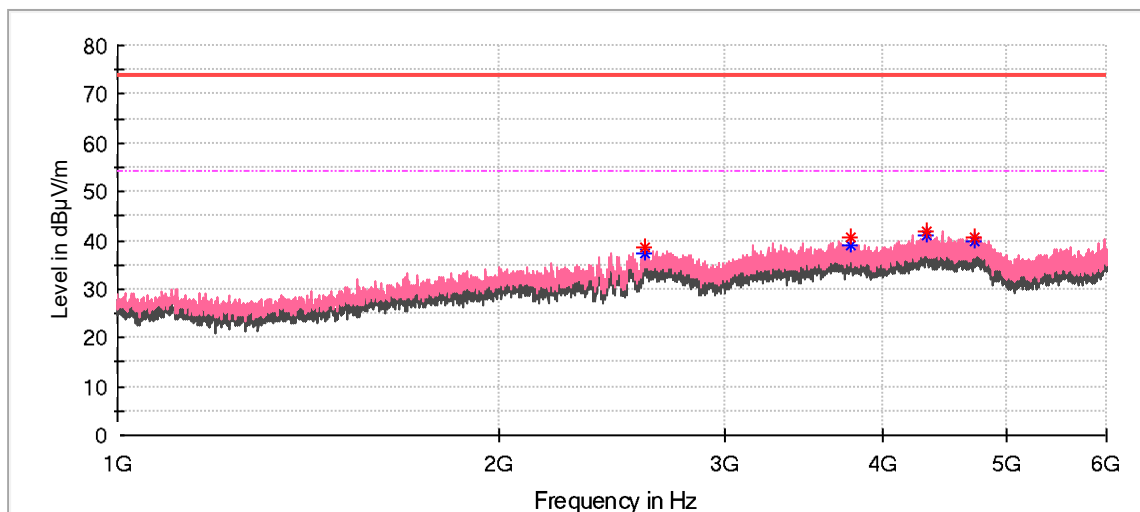


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2535.500000	37.66	---	74.00	36.34	100.0	H	357.0	-4.2
2535.500000	---	35.81	54.00	18.19	100.0	H	357.0	-4.2
2726.000000	38.68	---	74.00	35.32	100.0	H	210.0	-3.2
2726.000000	---	37.44	54.00	16.56	100.0	H	210.0	-3.2
3644.500000	40.02	---	74.00	33.98	100.0	H	238.0	-0.2
3644.500000	---	37.77	54.00	16.23	100.0	H	238.0	-0.2
4241.500000	41.62	---	74.00	32.38	100.0	H	84.0	1.7
4242.000000	---	38.62	54.00	15.38	100.0	H	74.0	1.7

EUT Information

Realsee Gimbal	Realsee Gimbal
168332760 item 50	168332760 item 50
RS5YT01	RS5YT01
Test Mode:	Bluetooth communication
Test Voltage:	Battery
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	3m Chamber



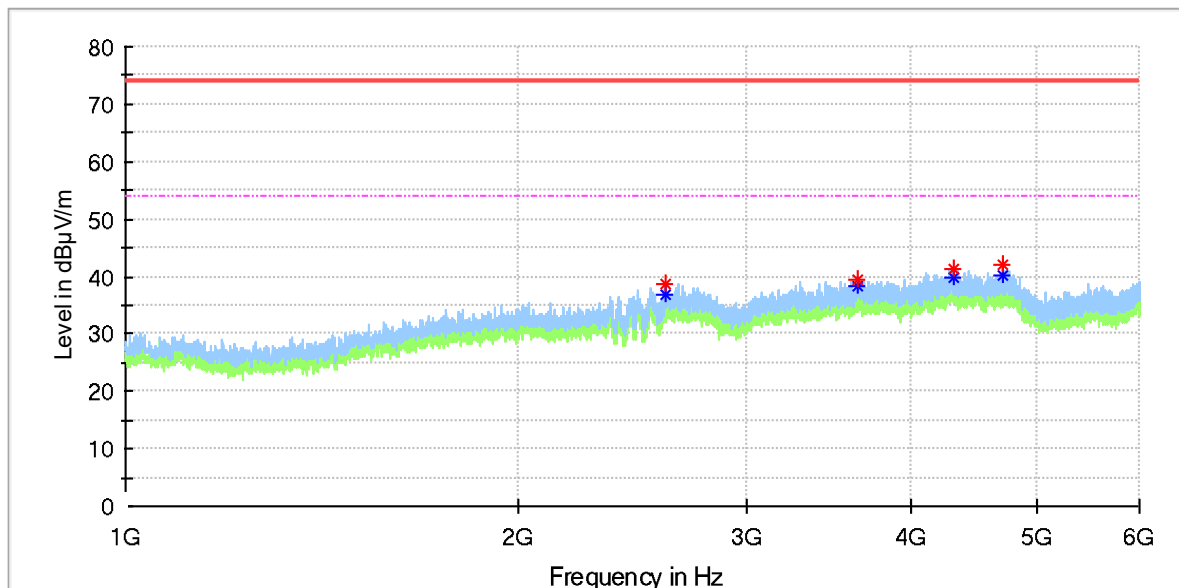
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2601.500000	---	37.50	54.00	16.50	100.0	V	167.0	-3.7
2601.500000	38.74	---	74.00	35.26	100.0	V	167.0	-3.7
3776.000000	---	38.94	54.00	15.06	100.0	V	47.0	0.1
3776.000000	40.65	---	74.00	33.35	100.0	V	47.0	0.1
4329.500000	---	41.22	54.00	12.78	100.0	V	157.0	2.2
4329.500000	41.71	---	74.00	32.29	100.0	V	157.0	2.2
4725.000000	---	39.70	54.00	14.30	100.0	V	167.0	2.7
4725.000000	40.74	---	74.00	33.26	100.0	V	167.0	2.7

MCU GD32F103CBT6

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Bluetooth communication
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

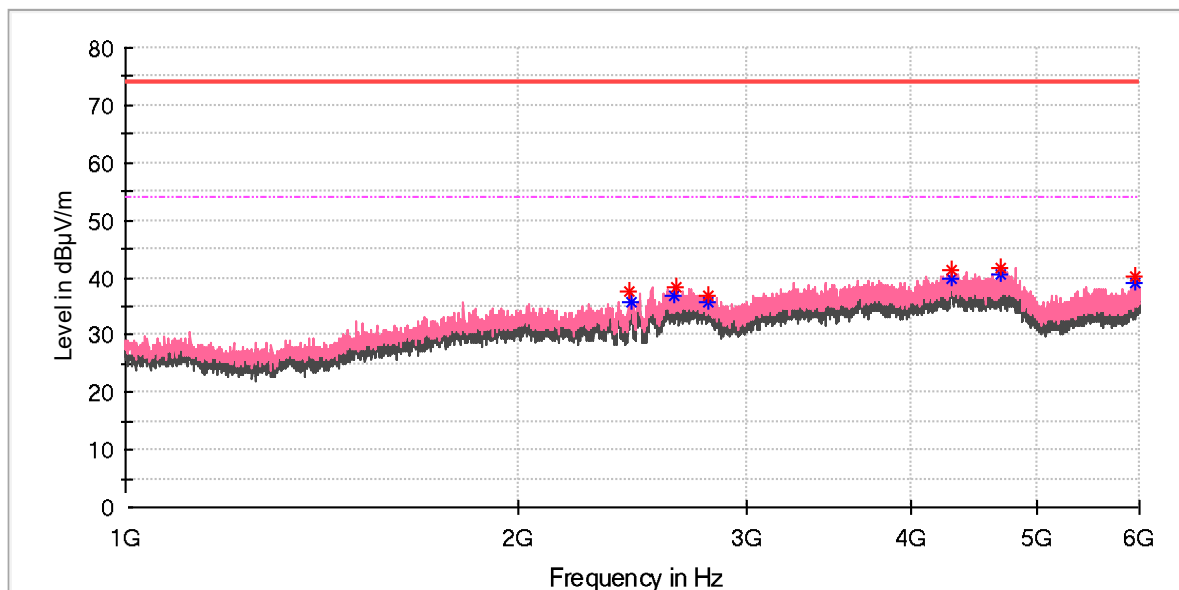
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2601.000000	---	37.00	54.00	17.00	200.0	H	130.0	-3.7
2601.000000	38.63	---	74.00	35.37	200.0	H	130.0	-3.7
3650.500000	---	38.42	54.00	15.58	200.0	H	252.0	-0.1
3650.500000	39.49	---	74.00	34.51	200.0	H	252.0	-0.1
4315.500000	---	39.95	54.00	14.05	200.0	H	153.0	2.2
4315.500000	41.29	---	74.00	32.71	200.0	H	153.0	2.2
4708.000000	---	40.03	54.00	13.97	100.0	H	249.0	2.7
4708.000000	41.91	---	74.00	32.09	100.0	H	249.0	2.7

Final Result

[illegible]

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Bluetooth communication
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2435.000000	37.50	---	74.00	36.50	100.0	V	0.0	-5.3
4692.500000	41.67	---	74.00	32.33	100.0	V	45.0	2.6
4692.500000	---	40.45	54.00	13.55	100.0	V	45.0	2.6
2640.500000	---	36.71	54.00	17.29	100.0	V	49.0	-3.3
2805.500000	---	35.61	54.00	18.39	100.0	V	168.0	-3.7
2805.500000	36.82	---	74.00	37.18	100.0	V	168.0	-3.7
2443.000000	---	35.84	54.00	18.16	100.0	V	252.0	-5.1
4300.500000	41.32	---	74.00	32.68	200.0	V	29.0	2.3
2651.000000	38.36	---	74.00	35.64	200.0	V	212.0	-3.2
4300.000000	---	39.96	54.00	14.04	200.0	V	241.0	2.3
5960.500000	---	38.97	54.00	15.03	200.0	V	310.0	2.2
5960.500000	40.05	---	74.00	33.95	200.0	V	310.0	2.2

Final Result

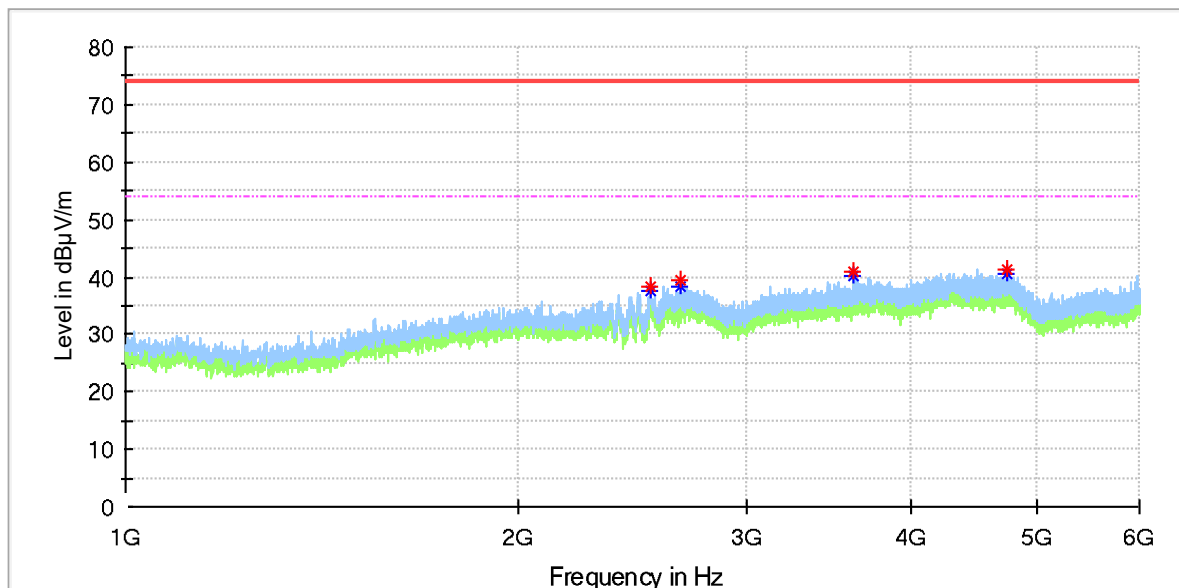
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0	100	0	0	0

Charging mode

MCU GD32F103CBT6

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Test mode:	Charging
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

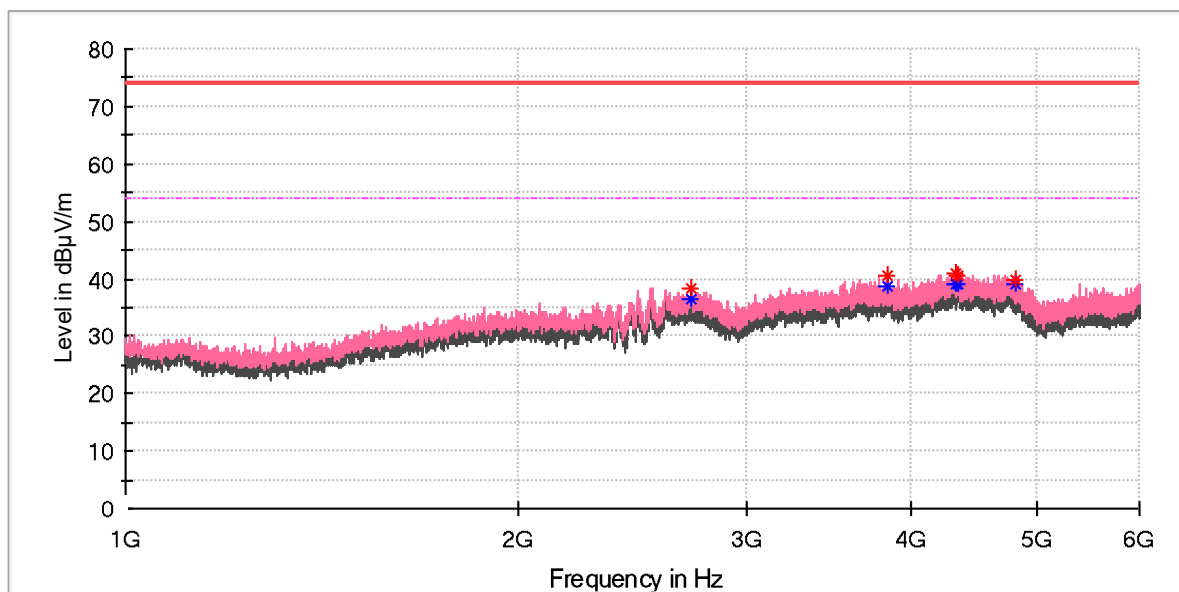
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2532.500000	38.19	---	74.00	35.81	200.0	H	112.0	-4.2
2532.500000	---	37.50	54.00	16.50	200.0	H	112.0	-4.2
2670.000000	39.28	---	74.00	34.72	100.0	H	254.0	-3.3
2670.000000	---	38.39	54.00	15.61	100.0	H	254.0	-3.3
3626.000000	40.80	---	74.00	33.20	200.0	H	303.0	-0.4
3626.000000	---	40.11	54.00	13.89	200.0	H	303.0	-0.4
4755.000000	41.46	---	74.00	32.54	100.0	H	0.0	2.9
4755.000000	---	40.68	54.00	13.32	100.0	H	0.0	2.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
90.000000	-86.000000	-86.000000	-86.000000	0.000000	0.000000			

EUT Information

EUT Name:	Realsee
Order No:	16832760 item 50
Model:	RS5YT01
Testmode:	Charging
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2714.500000	38.25	---	74.00	35.75	100.0	V	134.0	-3.3
2714.500000	---	36.65	54.00	17.35	100.0	V	134.0	-3.3
3844.000000	40.42	---	74.00	33.58	200.0	V	44.0	0.0
3844.000000	---	38.63	54.00	15.37	200.0	V	44.0	0.0
4332.500000	41.05	---	74.00	32.95	200.0	V	102.0	2.2
4332.500000	---	39.00	54.00	15.00	200.0	V	102.0	2.2
4347.500000	40.42	---	74.00	33.58	100.0	V	162.0	2.2
4348.000000	---	39.14	54.00	14.86	200.0	V	144.0	2.2
4830.000000	39.87	---	74.00	34.13	100.0	V	144.0	1.9
4830.000000	---	39.23	54.00	14.77	100.0	V	144.0	1.9

Final Result

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