

Appendix A: Test Results of BLE

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Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.31	≤8	PASS
		2440	-5.48	≤8	PASS
		2480	-6.29	≤8	PASS
BLE_2M	Ant1	2402	-7.05	≤8	PASS
		2440	-7.28	≤8	PASS
		2480	-8.05	≤8	PASS

BLE_1M_Ant1_2402



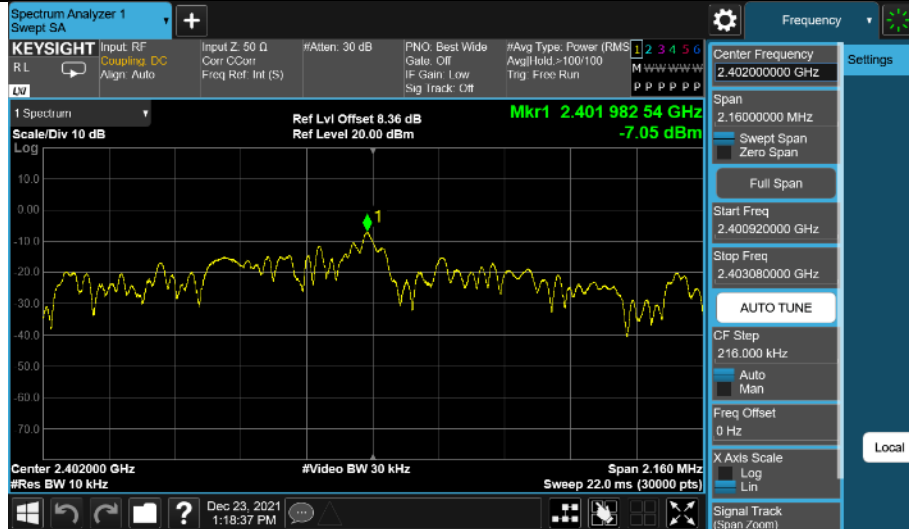
BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

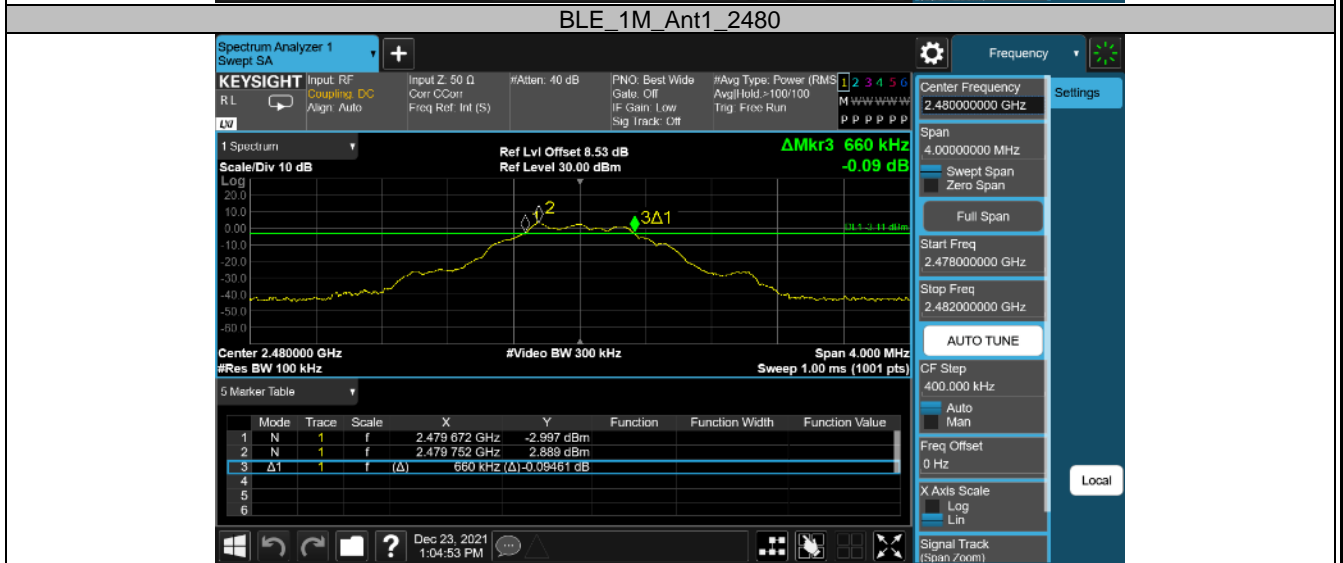
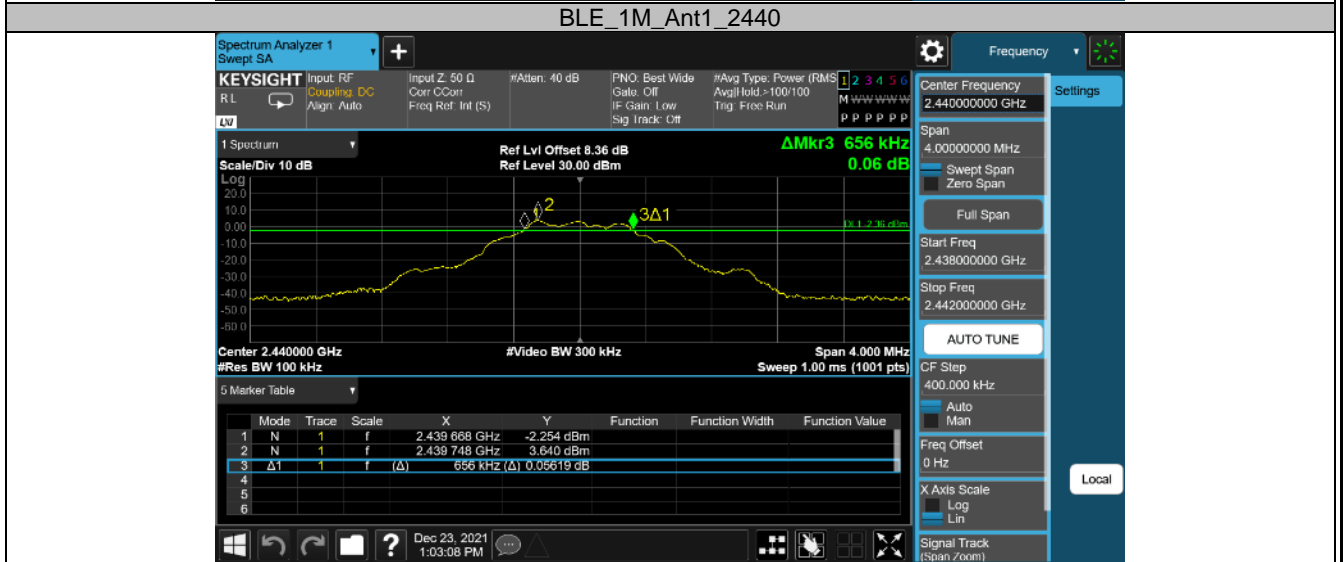
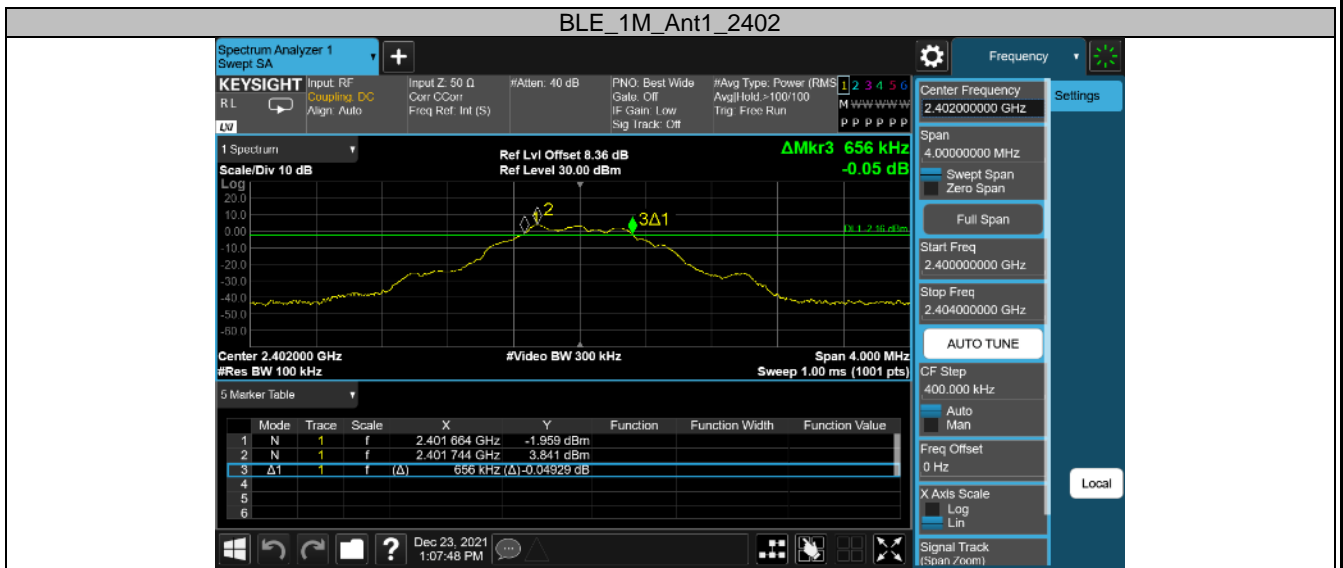


BLE_2M_Ant1_2480



Appendix A.2: Test Results of 6dB Bandwidth

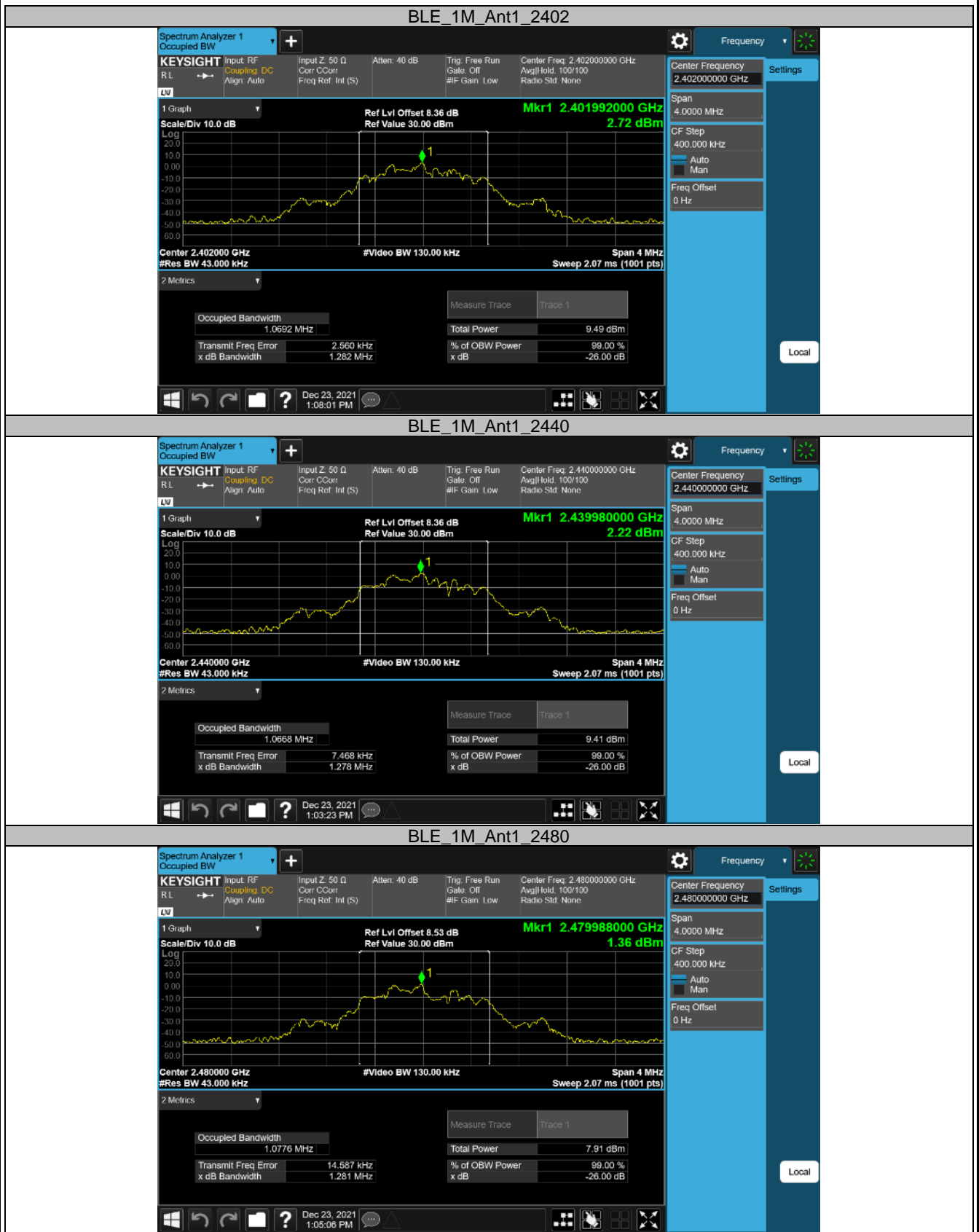
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.664	2402.320	0.5	PASS
		2440	0.656	2439.668	2440.324	0.5	PASS
		2480	0.660	2479.672	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.080	2401.436	2402.516	0.5	PASS
		2440	1.080	2439.440	2440.520	0.5	PASS
		2480	1.088	2479.444	2480.532	0.5	PASS





Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0692	2401.468	2402.537	---	PASS
		2440	1.0668	2439.474	2440.541	---	PASS
		2480	1.0776	2479.476	2480.553	---	PASS
BLE_2M	Ant1	2402	2.0844	2400.967	2403.051	---	PASS
		2440	2.0595	2438.975	2441.034	---	PASS
		2480	2.0810	2478.977	2481.058	---	PASS



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

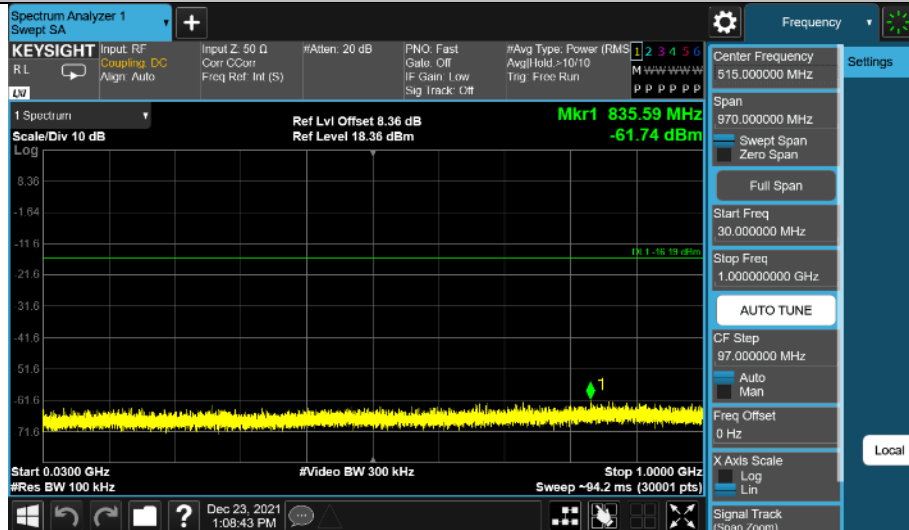
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.81	3.81	---	PASS
			30~1000	3.81	-61.74	≤-16.19	PASS
			1000~26500	3.81	-52.62	≤-16.19	PASS
		2440	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-62.28	≤-16.36	PASS
			Reference	2.87	2.87	---	PASS
		2480	30~1000	2.87	-62.35	≤-17.13	PASS
			1000~26500	2.87	-53.51	≤-17.13	PASS
			Reference	3.09	3.09	---	PASS
BLE_2M	Ant1	2402	30~1000	3.09	-61.95	≤-16.91	PASS
			1000~26500	3.09	-52.52	≤-16.91	PASS
			Reference	2.89	2.89	---	PASS
		2440	30~1000	2.89	-61.11	≤-17.11	PASS
			1000~26500	2.89	-52.22	≤-17.11	PASS
			Reference	2.15	2.15	---	PASS
		2480	30~1000	2.15	-60.96	≤-17.85	PASS
			1000~26500	2.15	-52.59	≤-17.85	PASS

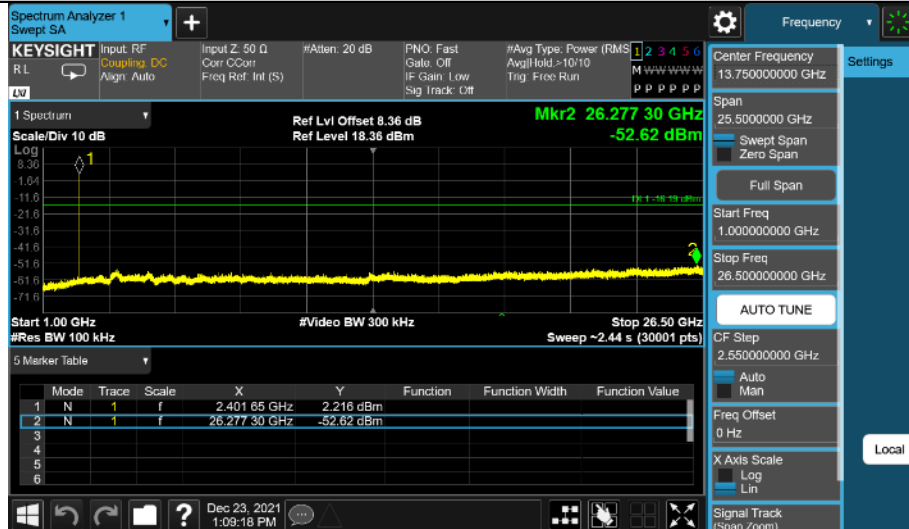
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



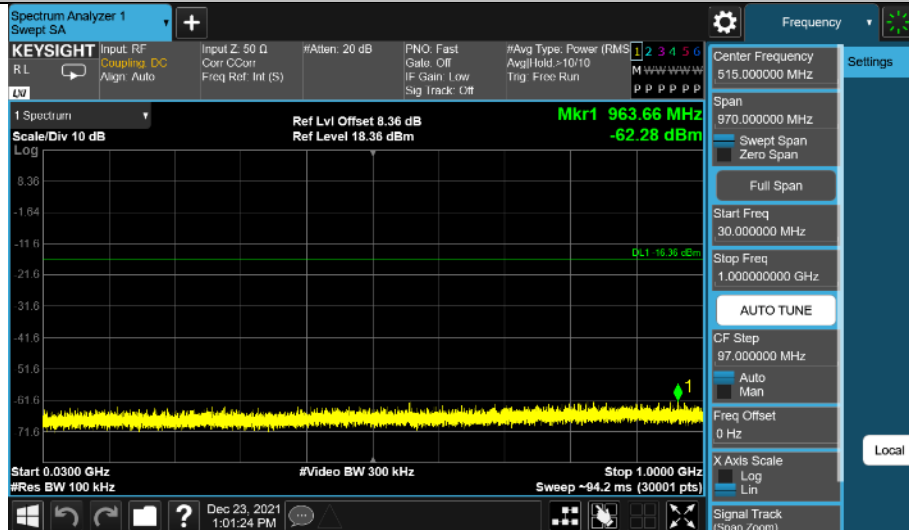
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0-Reference

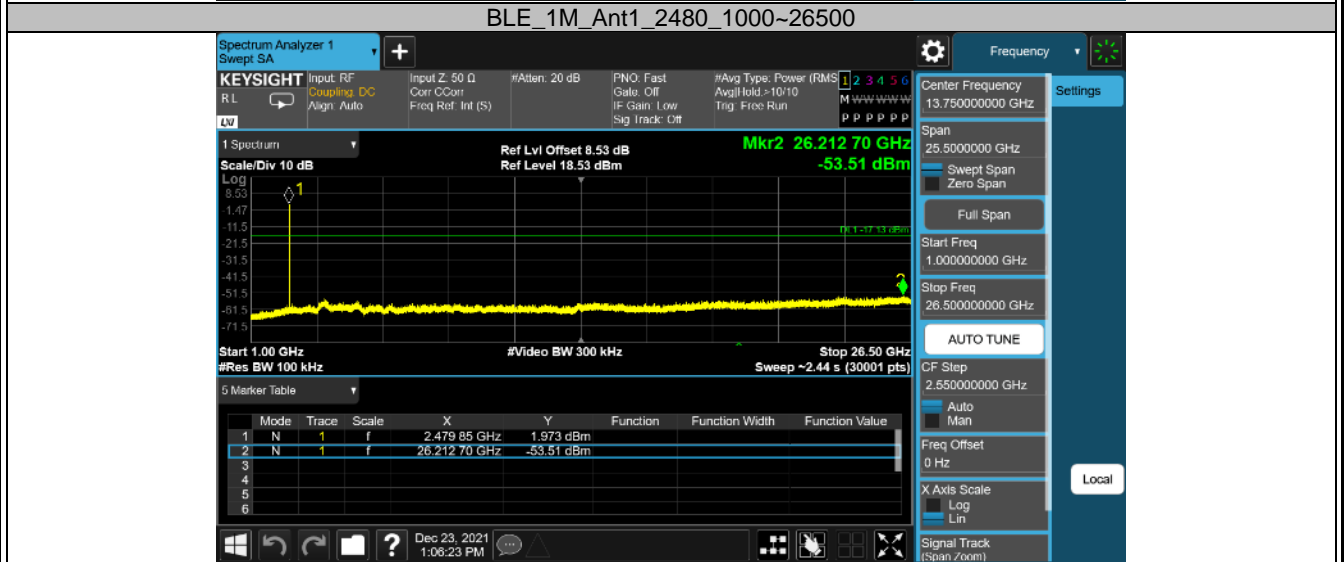
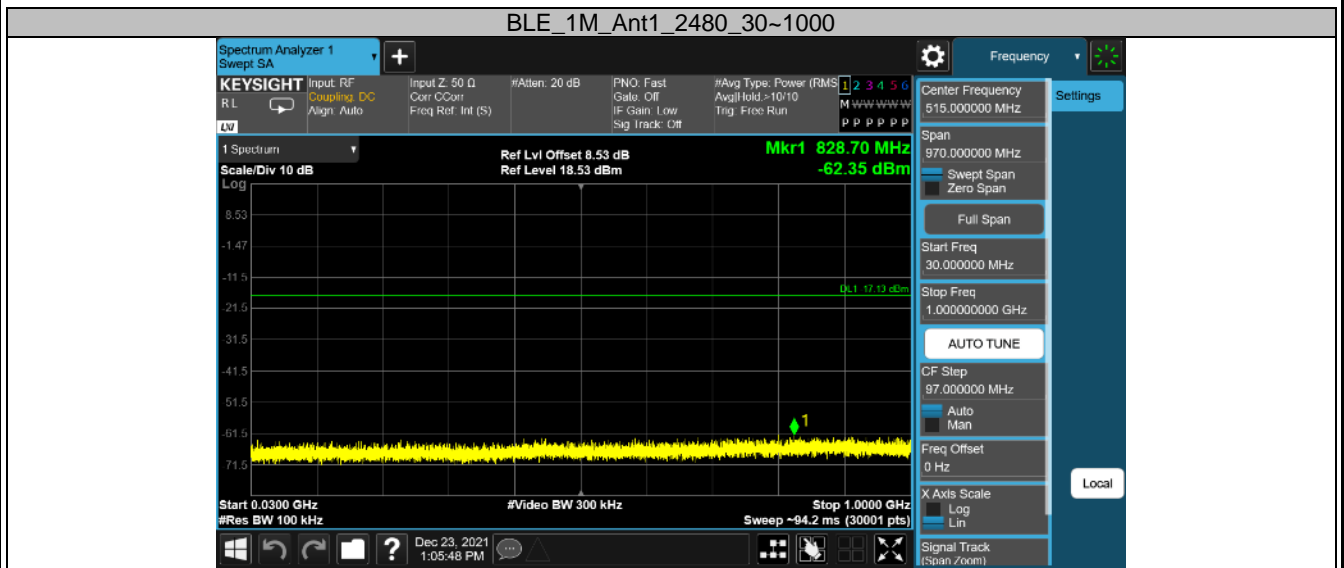


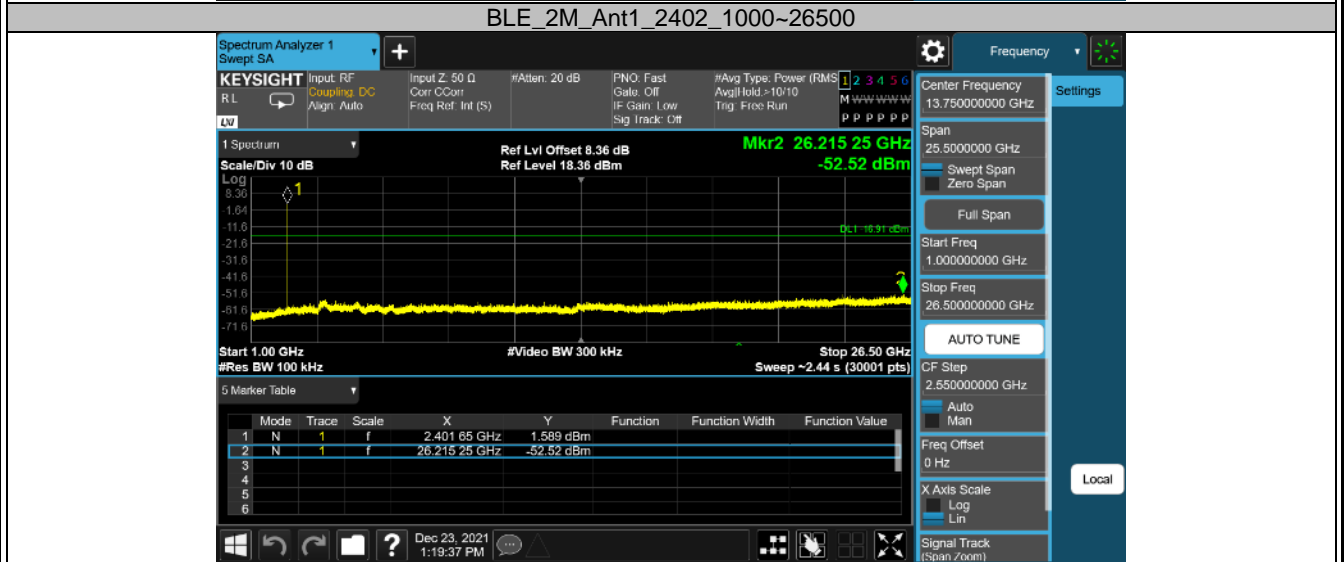
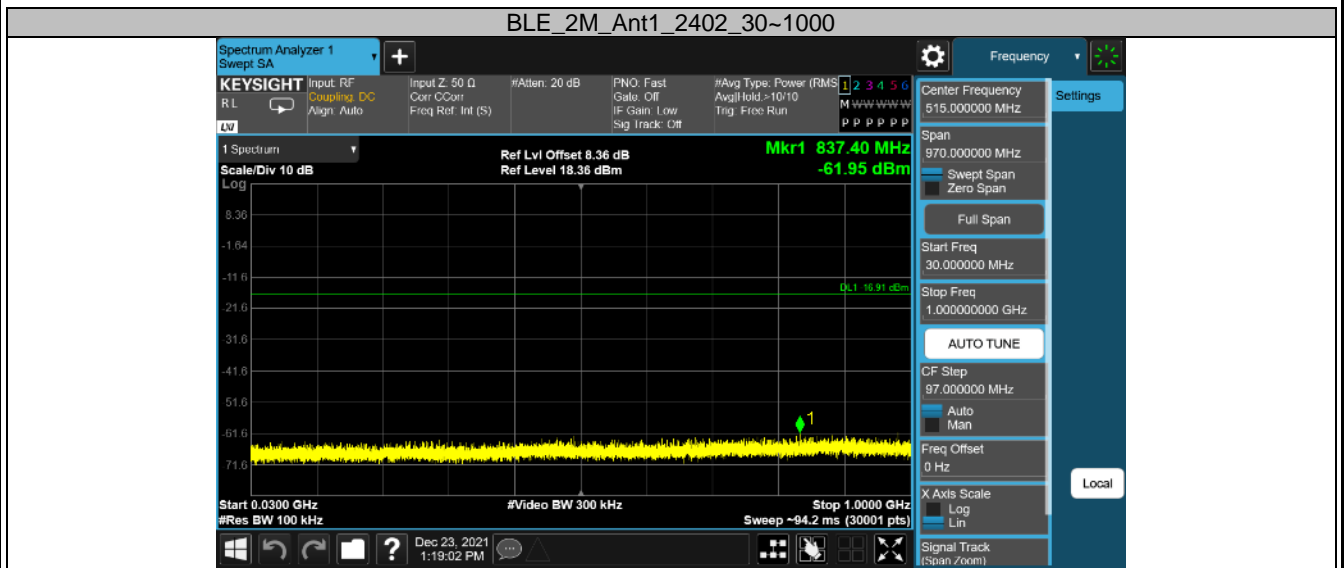
BLE_1M_Ant1_2440_30-1000

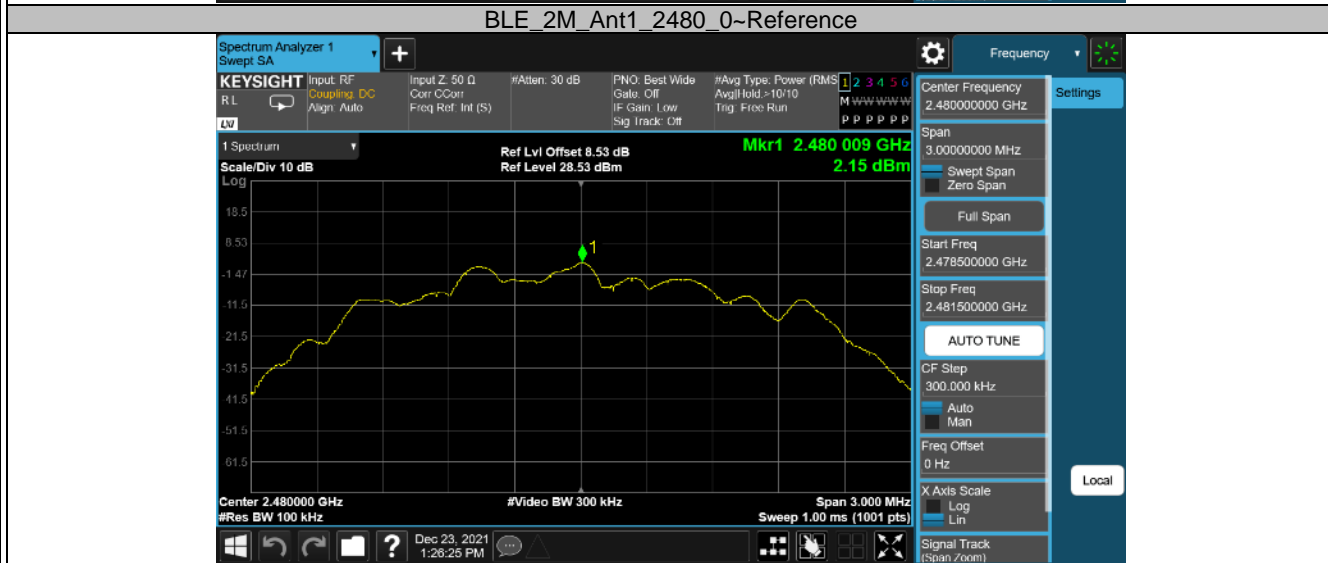
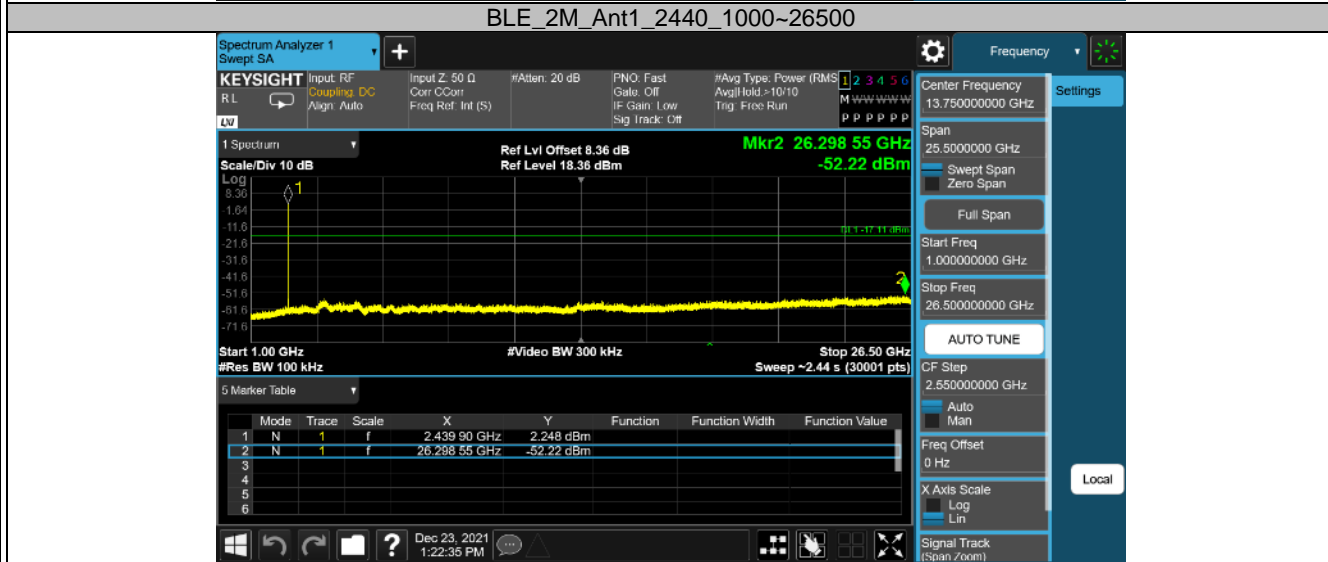
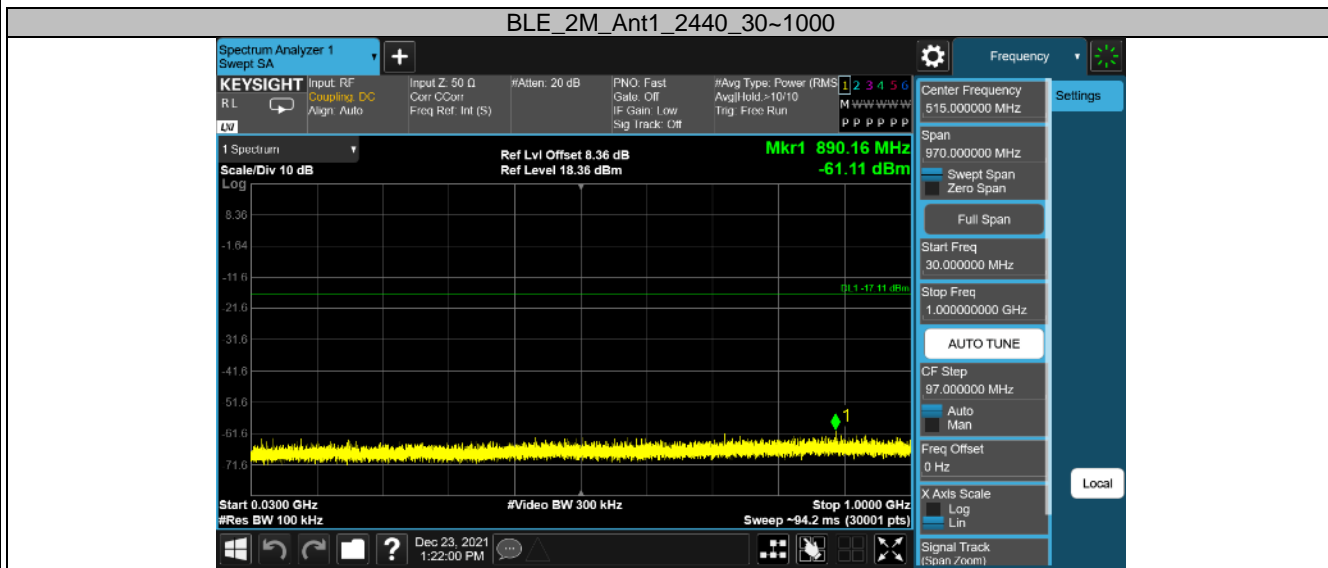


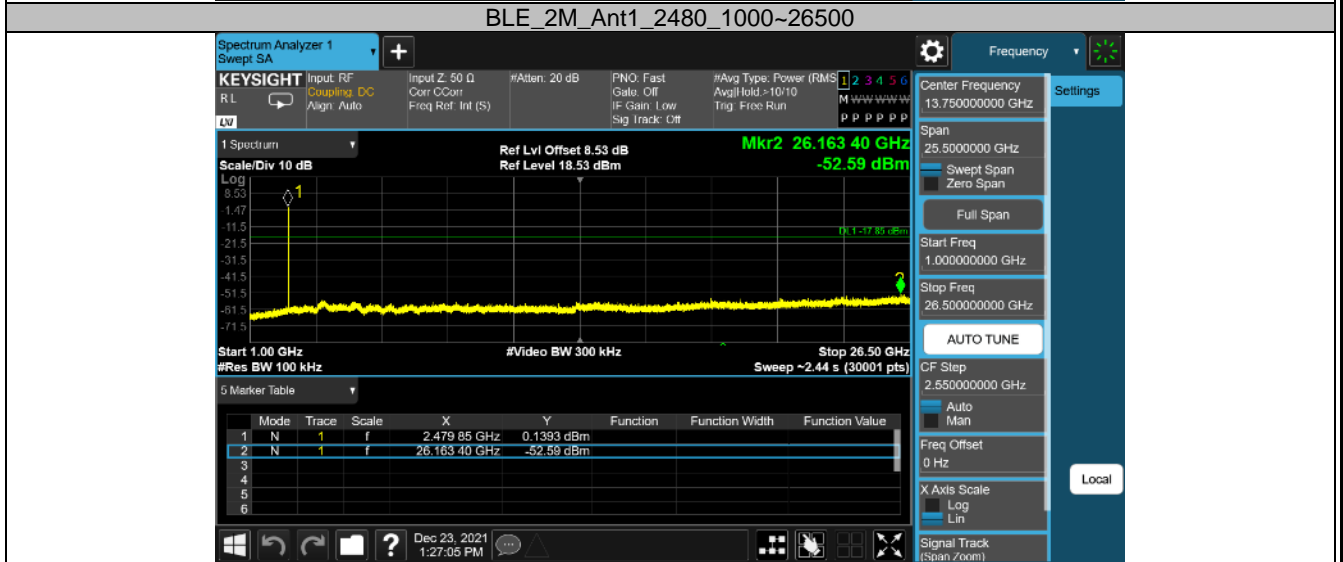
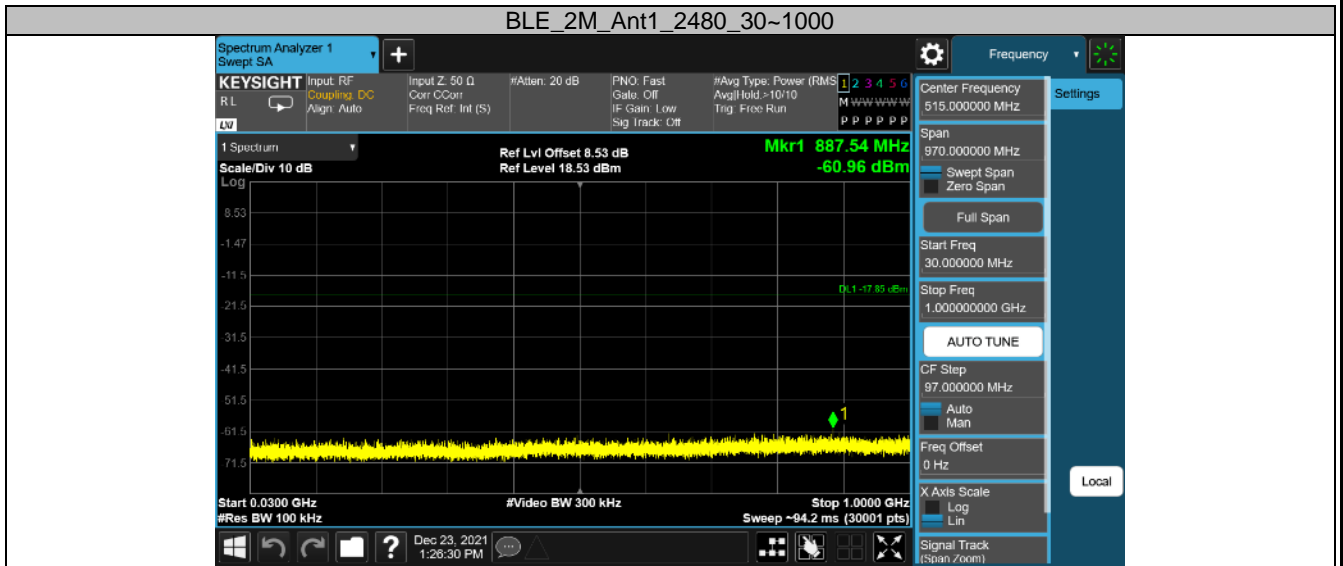
BLE_1M_Ant1_2480_0-Reference







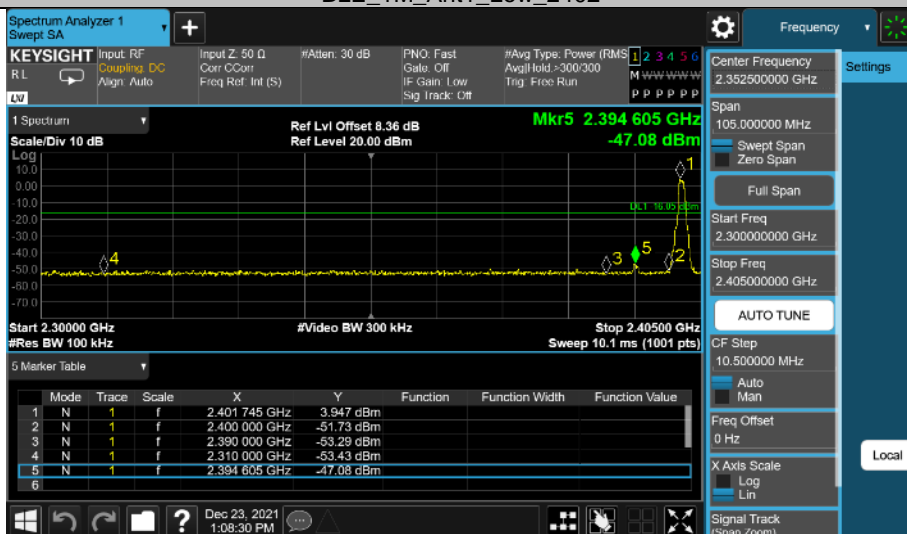




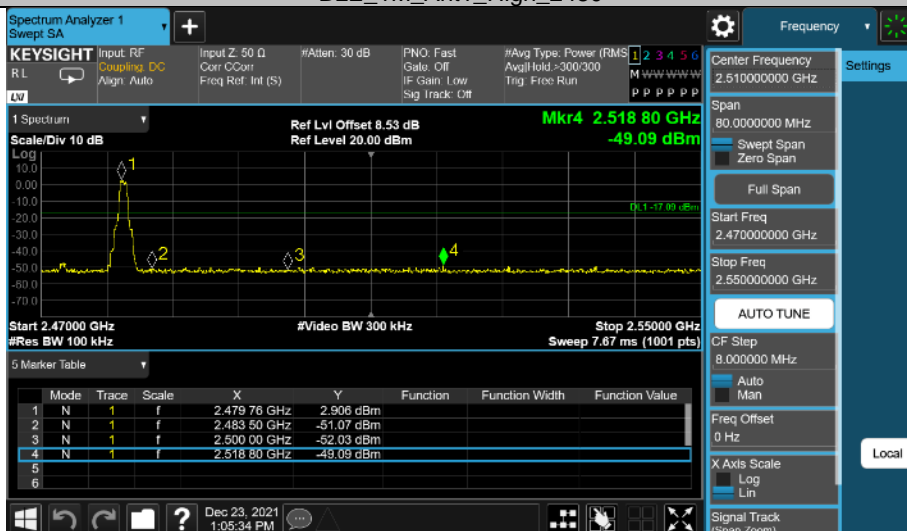
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.95	-47.08	≤-16.05	PASS
		High	2480	2.91	-49.09	≤-17.09	PASS
BLE_2M	Ant1	Low	2402	3.06	-28.62	≤-16.94	PASS
		High	2480	2.08	-49.51	≤-17.92	PASS

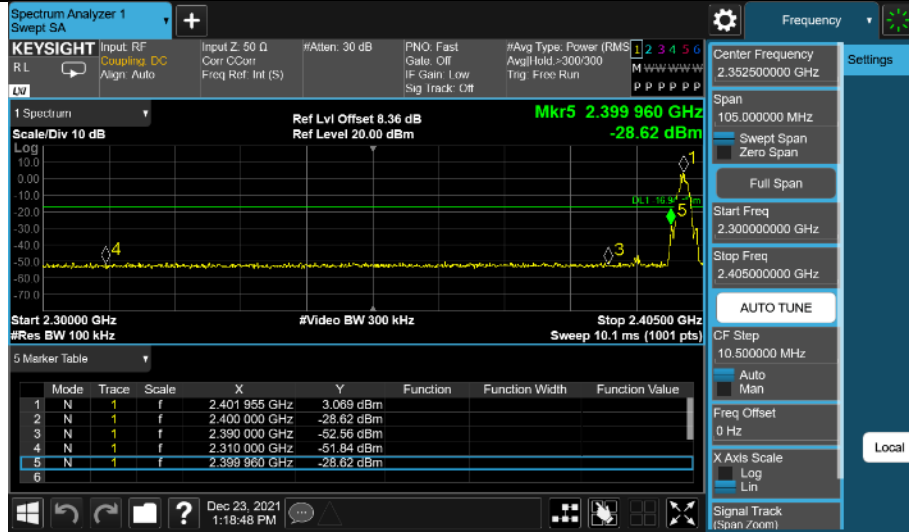
BLE_1M_Ant1_Low_2402



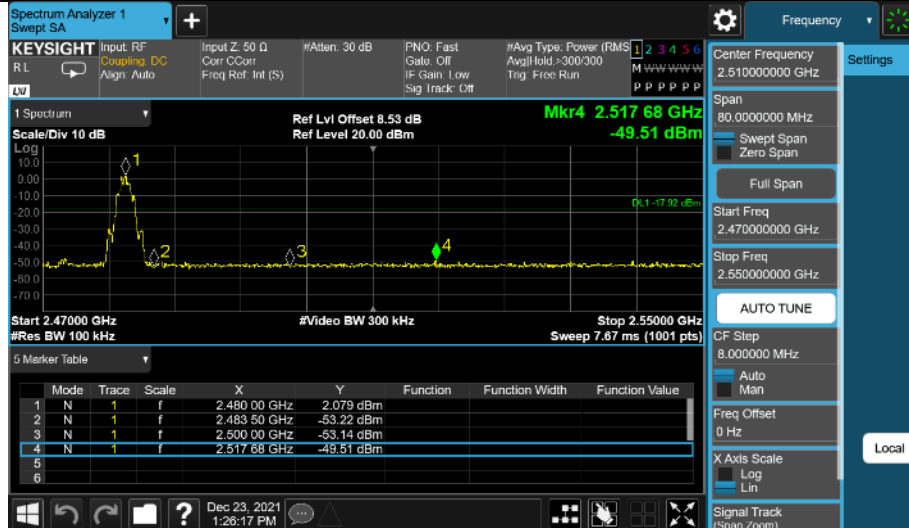
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



Appendix A.5: Test Results of Radiated Spurious Emissions

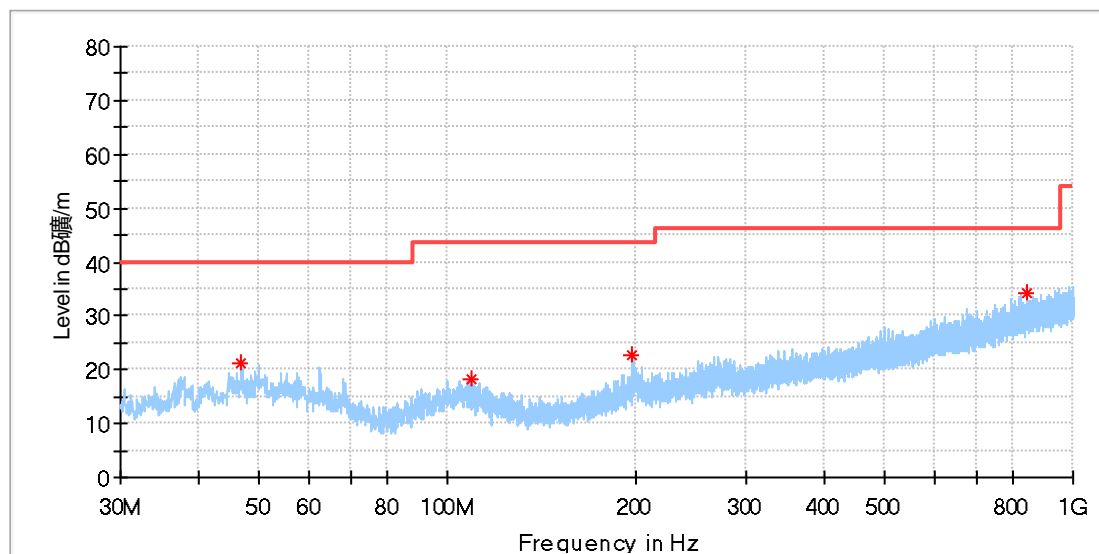
Note:

- 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.

30 MHz to 1GHz

EUT Information

EUT Name:	DJI Goggles 2
Model:	RCDS18
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168344875/A003185055-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

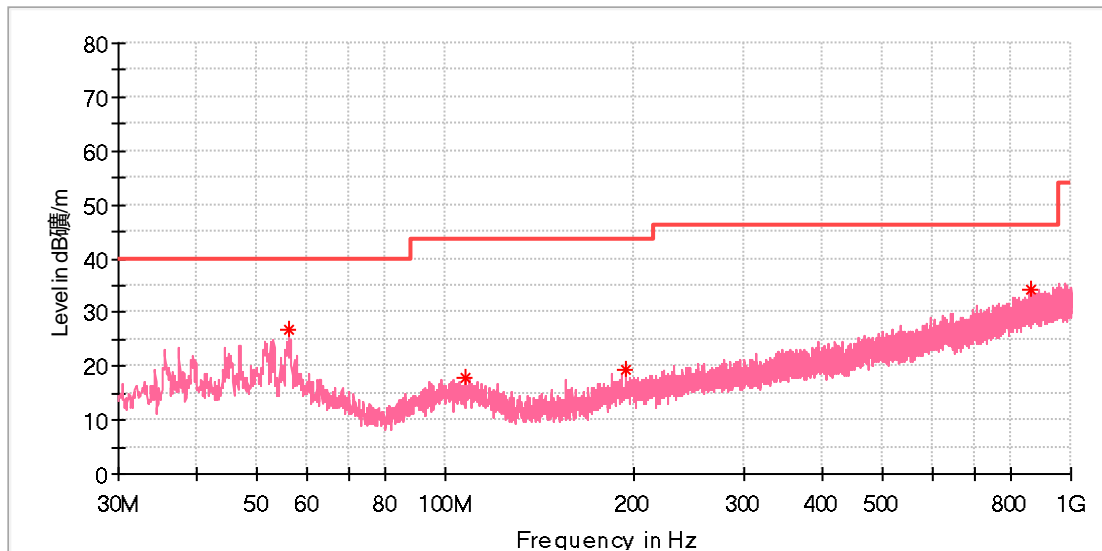
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.878000	21.23	40.00	18.77	100.0	H	278.0	-18.5
109.249000	18.21	43.50	25.29	100.0	H	173.0	-19.0
196.888500	22.87	43.50	20.63	100.0	H	278.0	-19.1
844.994000	34.14	46.00	11.86	100.0	H	65.0	-5.6

Final_Result

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

EUT Information

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 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)
56.093000	26.69	40.00	13.31	100.0	V	20.0	-18.6
107.842500	17.74	43.50	25.76	100.0	V	355.0	-18.9
194.560500	19.34	43.50	24.16	100.0	V	158.0	-19.2
863.327000	34.33	46.00	11.67	100.0	V	263.0	-5.3

Final Result

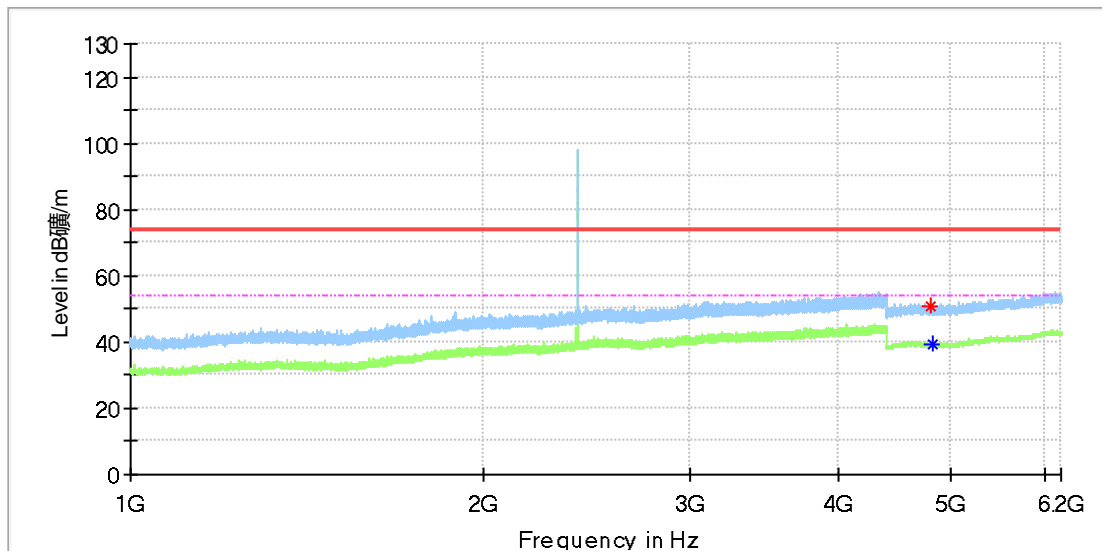
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz-18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	DJI Goggles 2
Model:	RCDS18
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168344875/A003185055-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

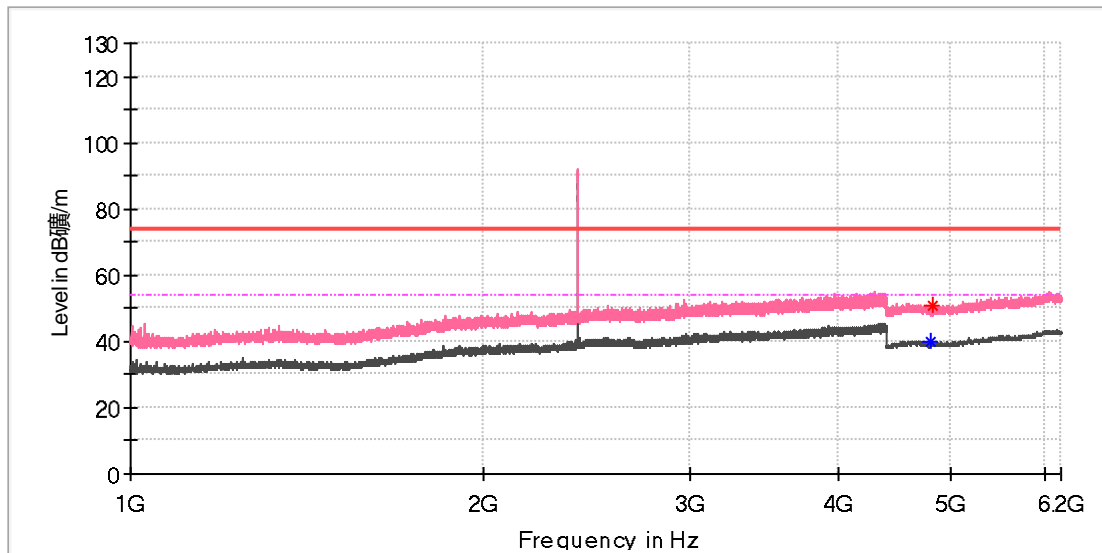
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4809.500000	50.64	---	74.00	23.36	100.0	H	163.0	11.8
4820.500000	---	39.50	54.00	14.50	100.0	H	20.0	11.8

Final_Result

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

EUT Information

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

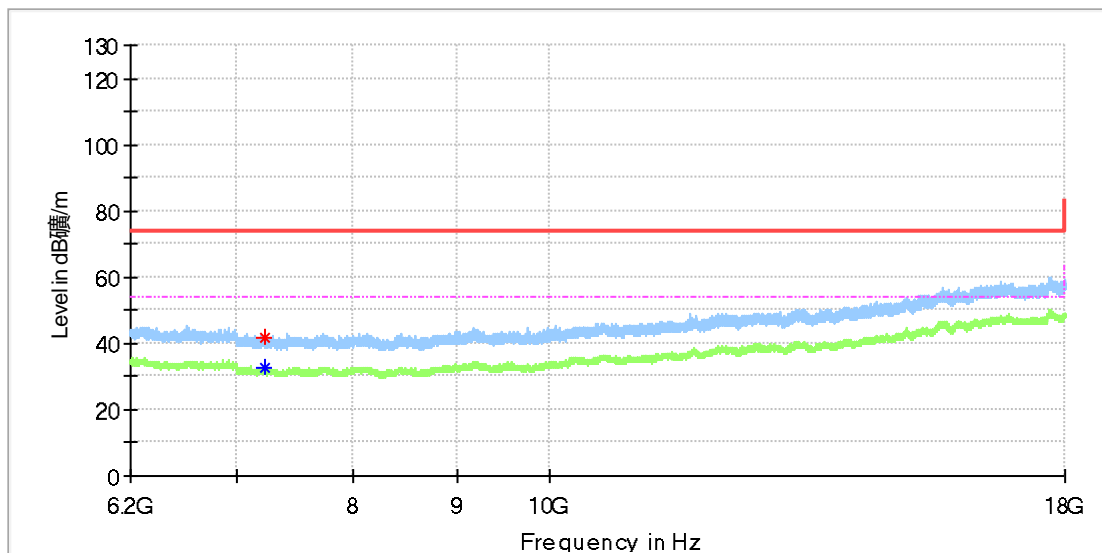
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4809.500000	---	39.96	54.00	14.04	100.0	V	119.0	11.8
4817.000000	51.09	---	74.00	22.91	100.0	V	253.0	11.8

Final_Result

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

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

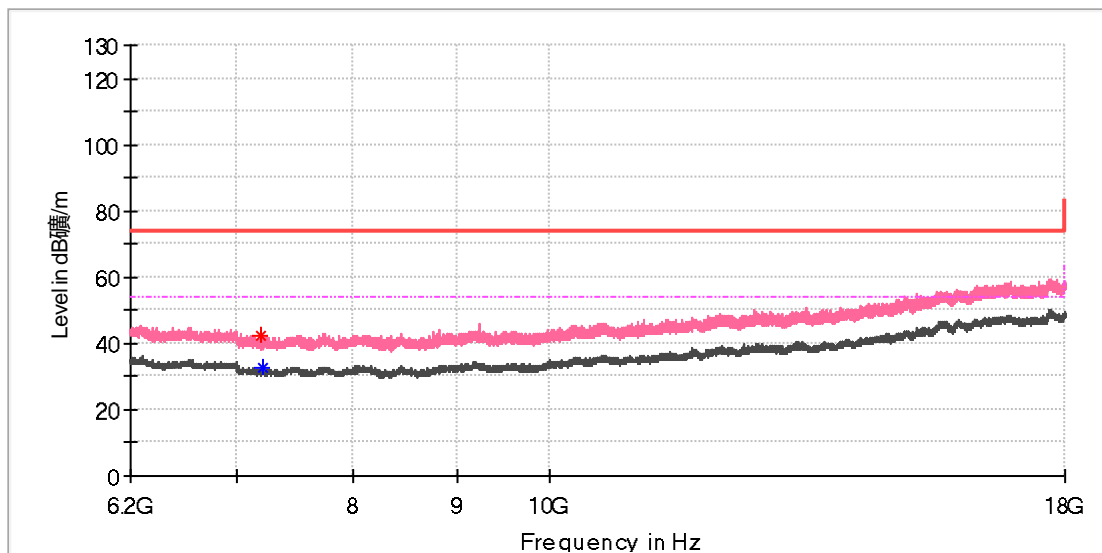
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.191667	41.76	---	74.00	32.24	100.0	H	80.0	8.7
7227.583333	---	32.48	54.00	21.52	100.0	H	322.0	8.7

Final_Result

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

EUT Information

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

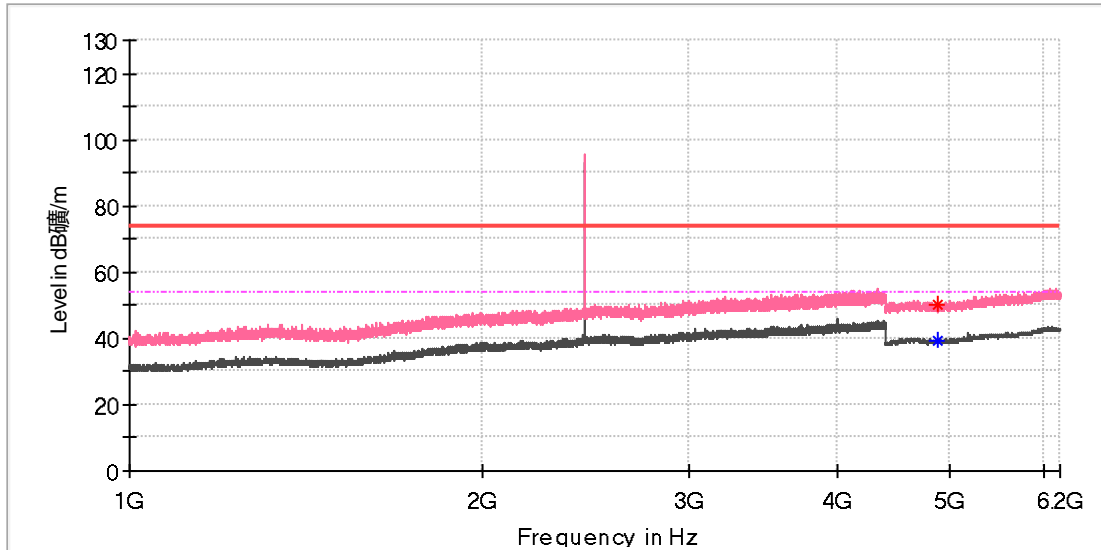
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7200.541667	42.30	---	74.00	31.70	100.0	V	35.0	8.8
7209.883333	---	32.46	54.00	21.54	100.0	V	230.0	8.7

Final_Result

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

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

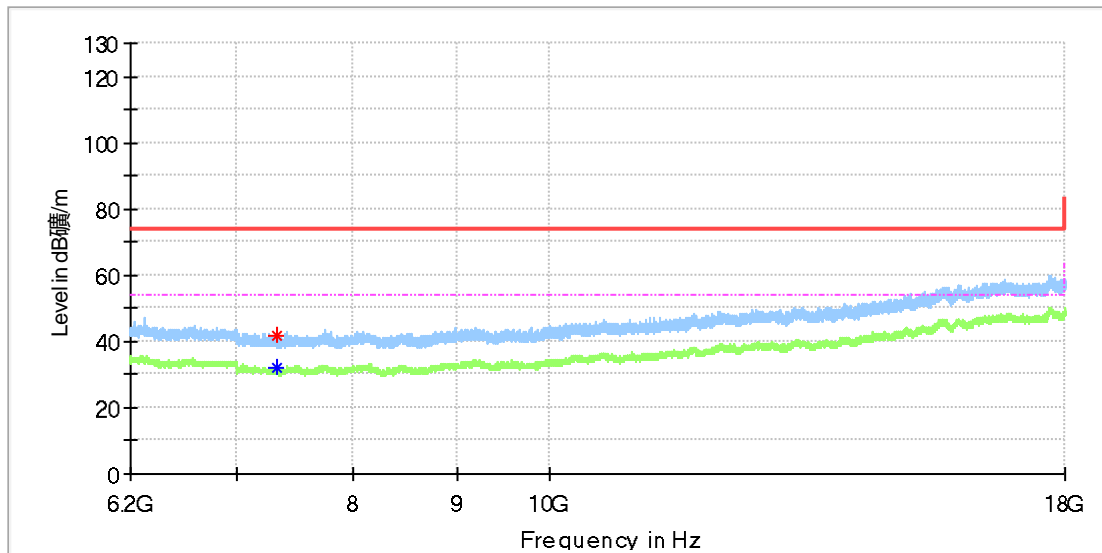
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.000000	---	39.10	54.00	14.90	100.0	V	314.0	11.8
4882.500000	50.21	---	74.00	23.79	100.0	V	241.0	11.8

Final_Result

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

EUT Name:	DJI Goggles 2
Model:	RCDS18
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168344875/A003185055-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

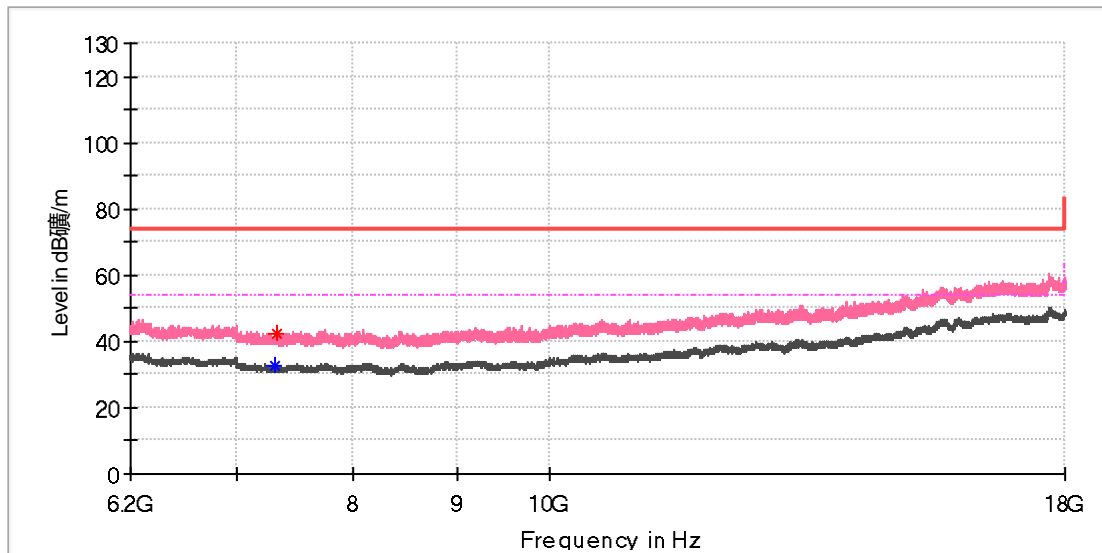
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	41.93	---	74.00	32.07	100.0	H	141.0	8.2
7329.850000	---	32.09	54.00	21.91	100.0	H	232.0	8.1

Final_Result

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

EUT Information

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

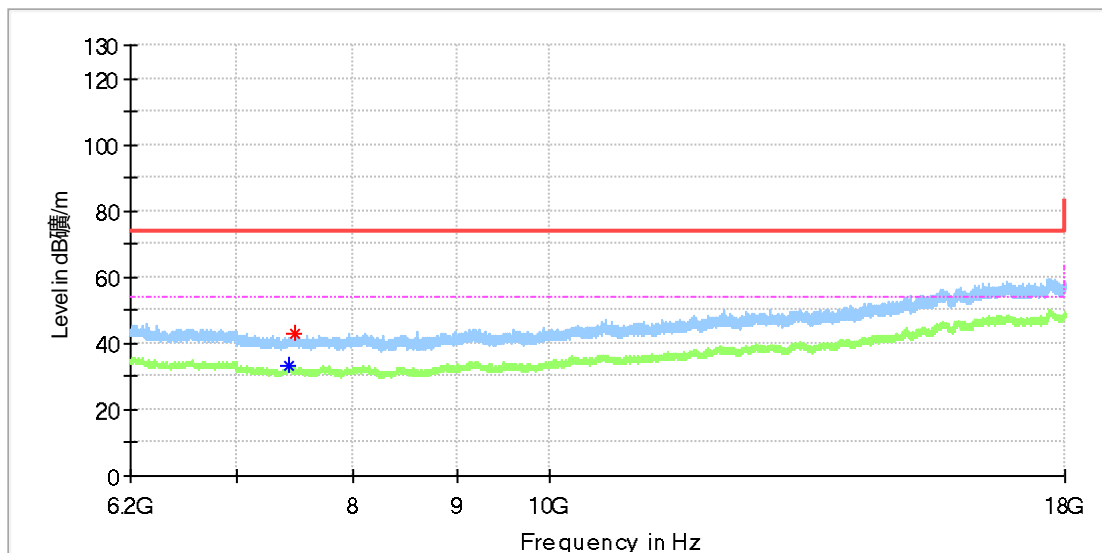
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7302.808333	---	32.77	54.00	21.23	100.0	V	0.0	8.3
7324.441667	42.57	---	74.00	31.43	100.0	V	37.0	8.2

Final_Result

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

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

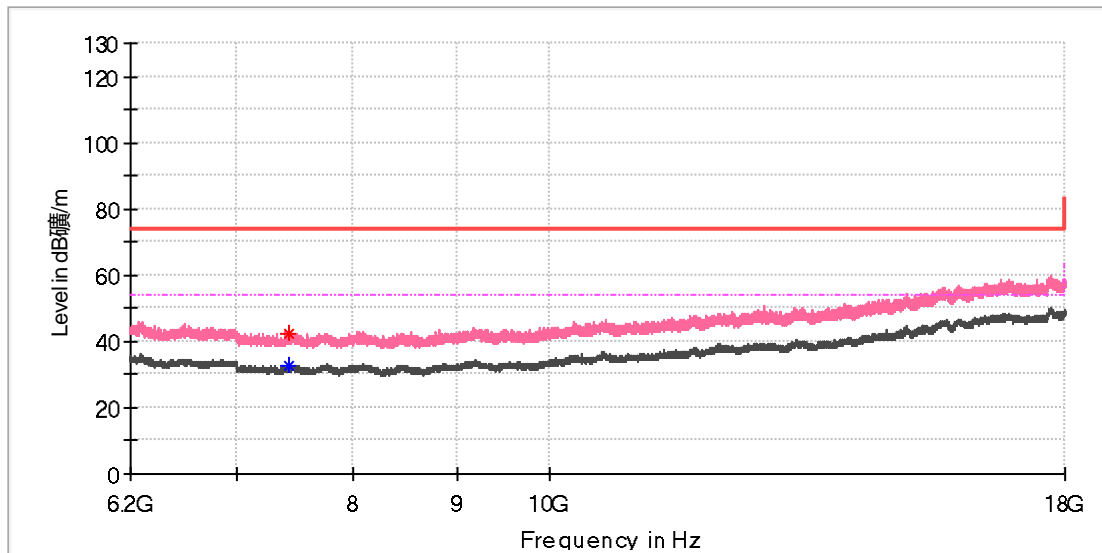
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7427.691667	---	32.99	54.00	21.01	100.0	H	102.0	8.4
7472.925000	42.83	---	74.00	31.17	100.0	H	132.0	8.6

Final_Result

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

EUT Information

EUT Name: DJI Goggles 2
 Model: RCDS18
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168344875/A003185055-002
 Test Voltage:: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 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)
7421.791667	---	32.39	54.00	21.61	100.0	V	10.0	8.4
7435.066667	42.04	---	74.00	31.96	100.0	V	85.0	8.4

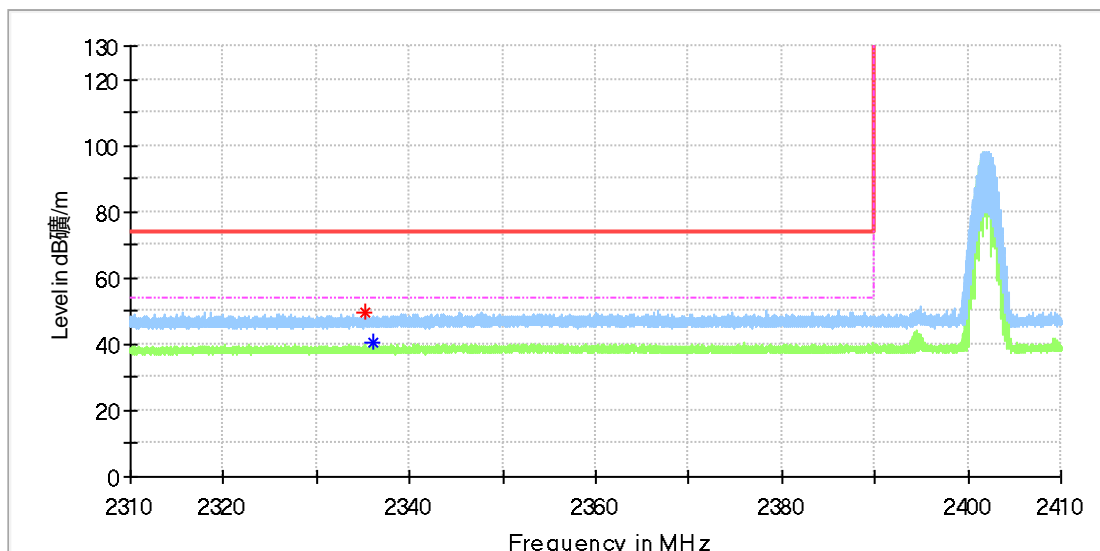
Final_Result

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

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	DJI Goggles 2
Model:	RCDS18
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168344875/A003185055-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2335.160000	49.36	---	74.00	24.64	100.0	H	146.0	6.8
2336.150000	---	40.50	54.00	13.50	100.0	H	336.0	6.8

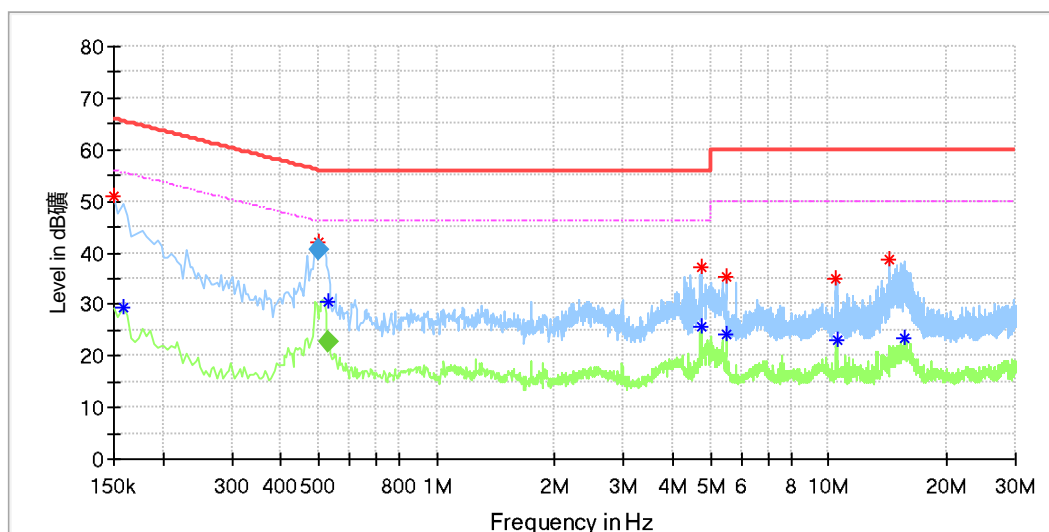
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: DJI Goggles 2
 Order No: 168344875 130
 Model: RCDS18
 Test Mode: Normal Operation
 Test Voltage: AC 120V/60Hz
 Test By: Kevin Zhou
 Review By: Gary Chen
 Remark: SR1



Critical_Freqs

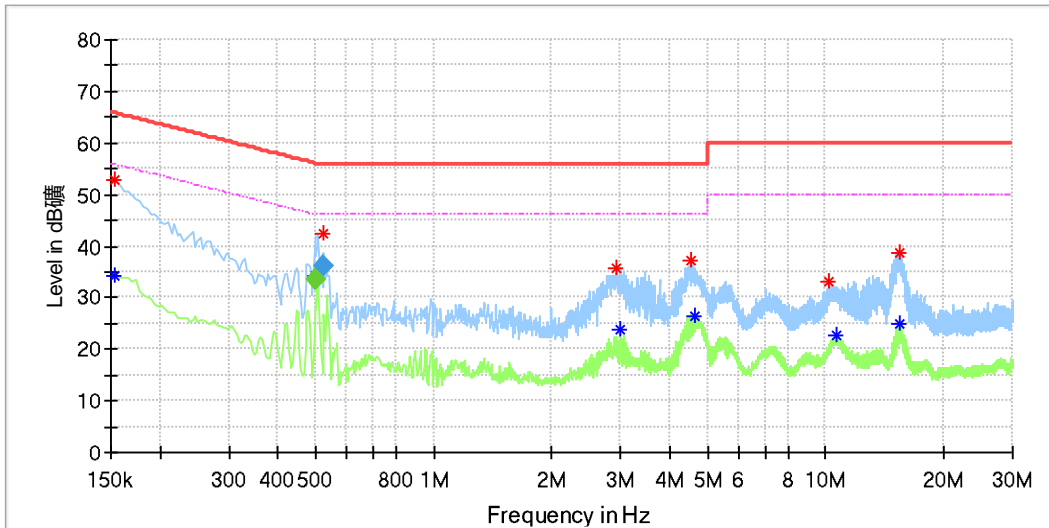
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	50.99	---	66.00	15.01	L1	9.6
0.158000	---	29.53	55.57	26.04	L1	9.6
0.500000	42.15	---	56.00	13.85	L1	9.7
0.529500	---	30.34	46.00	15.66	L1	9.7
4.740000	---	25.51	46.00	20.49	L1	10.0
4.740000	37.13	---	56.00	18.87	L1	10.0
5.464000	35.41	---	60.00	24.59	L1	10.0
5.468000	---	24.32	50.00	25.68	L1	10.0
10.468000	34.82	---	60.00	25.18	L1	10.0
10.480000	---	23.08	50.00	26.92	L1	10.0
14.340000	38.86	---	60.00	21.14	L1	10.2
15.540000	---	23.38	50.00	26.62	L1	10.2

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.500000	40.48	---	56.00	15.52	1000.0	9.000	L1	9.7
0.529500	---	22.57	46.00	23.43	1000.0	9.000	L1	9.7

EUT Information

EUT Name: DJI Goggles 2
 Order No: 168344875 130
 Model: RCDS18
 Test Mode: Normal Operation
 Test Voltage: AC 120V/60Hz
 Test By: Kevin Zhou
 Review By: Gary Chen
 Remark: SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	34.38	55.78	21.40	N	9.6
0.154000	52.95	---	65.78	12.84	N	9.6
0.500000	---	34.34	46.00	11.66	N	9.7
0.521500	42.35	---	56.00	13.65	N	9.7
2.932000	35.57	---	56.00	20.43	N	9.9
2.992000	---	23.63	46.00	22.37	N	9.9
4.556000	37.09	---	56.00	18.91	N	10.0
4.652000	---	26.56	46.00	19.44	N	10.0
10.224000	33.21	---	60.00	26.79	N	10.0
10.696000	---	22.83	50.00	27.17	N	10.1
15.432000	38.67	---	60.00	21.33	N	10.2
15.440000	---	24.76	50.00	25.24	N	10.2

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.500000	---	33.59	46.00	12.41	1000.0	9.000	N	9.7
0.521500	36.11	---	56.00	19.89	1000.0	9.000	N	9.7