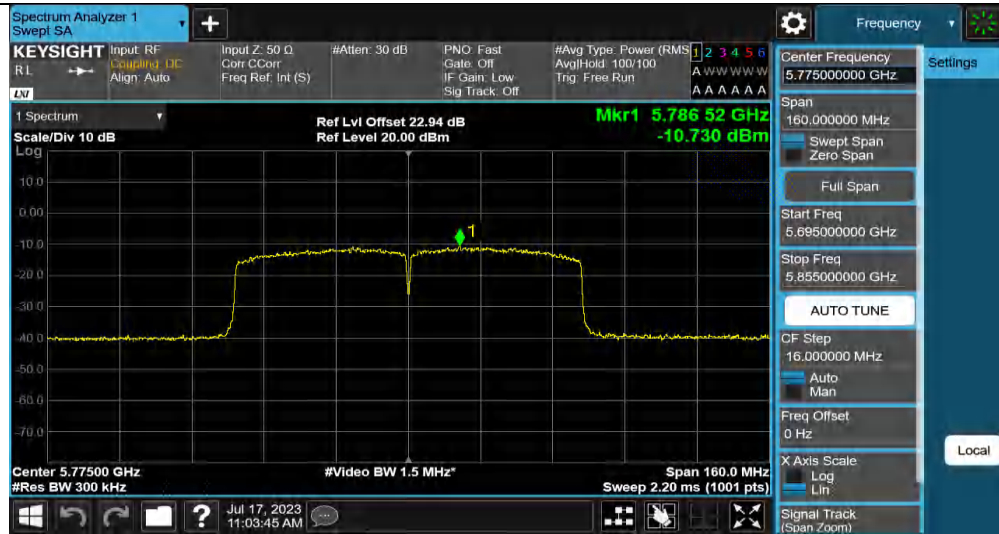
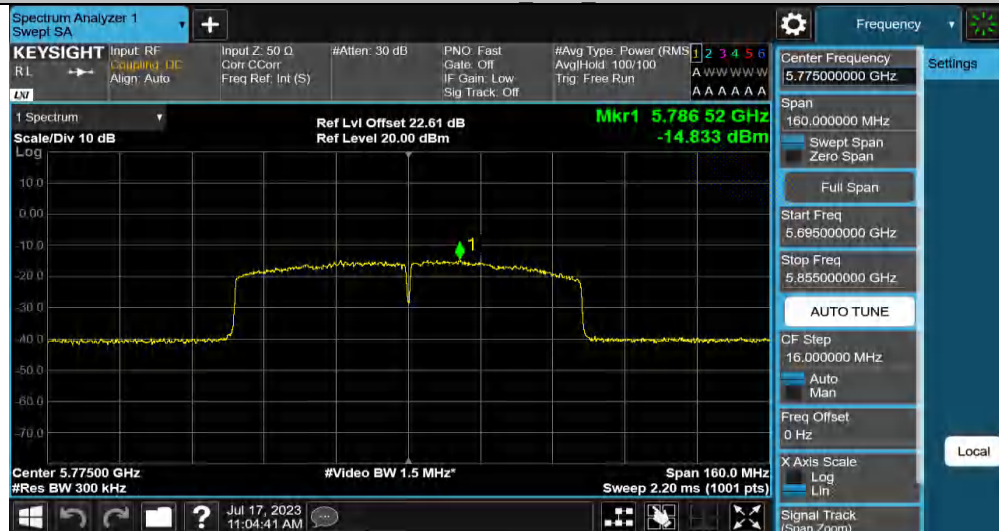




11AC80MIMO Ant2 5775



1.6 Appendix G: Frequency Stability

1.6.1 Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	NT	-2000.00	-0.386100	20	PASS
		5200	NV	NT	28000.00	5.384615	20	PASS
		5240	NV	NT	5000.00	0.954198	20	PASS
		5745	NV	NT	92000.00	16.013925	20	PASS
		5785	NV	NT	30000.00	5.185825	20	PASS
		5825	NV	NT	13000.00	2.231760	20	PASS
11AC40SISO	Ant1	5190	NV	NT	6000.00	1.156069	20	PASS
		5230	NV	NT	3000.00	0.573614	20	PASS
		5755	NV	NT	3000.00	0.521286	20	PASS
		5795	NV	NT	4000.00	0.690250	20	PASS
11AC80SISO	Ant1	5210	NV	NT	4000.00	0.767754	20	PASS
		5775	NV	NT	32000.00	5.541126	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	0	16000.00	3.088803	20	PASS
			NV	40	41000.00	7.915058	20	PASS
		5200	NV	0	19000.00	3.653846	20	PASS
			NV	40	12000.00	2.307692	20	PASS
		5240	NV	0	2000.00	0.381679	20	PASS
			NV	40	1000.00	0.190840	20	PASS
		5745	NV	0	63000.00	10.966057	20	PASS
			NV	40	49000.00	8.529156	20	PASS
		5785	NV	0	24000.00	4.148660	20	PASS
			NV	40	19000.00	3.284356	20	PASS
		5825	NV	0	12000.00	2.060086	20	PASS
			NV	40	10000.00	1.716738	20	PASS
11AC40SISO	Ant1	5190	NV	0	6000.00	1.156069	20	PASS
			NV	40	5000.00	0.963391	20	PASS
		5230	NV	0	2000.00	0.382409	20	PASS
			NV	40	3000.00	0.573614	20	PASS
		5755	NV	0	4000.00	0.695048	20	PASS
			NV	40	5000.00	0.868810	20	PASS
		5795	NV	0	2000.00	0.345125	20	PASS
			NV	40	2000.00	0.345125	20	PASS
11AC80SISO	Ant1	5210	NV	0	11000.00	2.111324	20	PASS
			NV	40	19000.00	3.646833	20	PASS
		5775	NV	0	43000.00	7.445887	20	PASS
			NV	40	51000.00	8.831169	20	PASS

1.7 Appendix H: Duty Cycle

1.7.1 Test Result

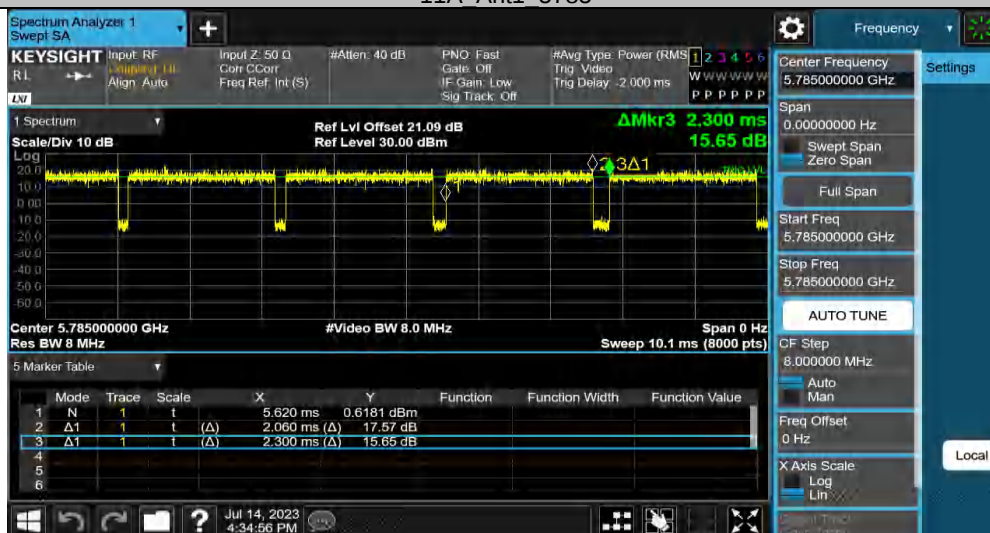
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit
11A	Ant1	5180	2.06	2.29	89.96	---
		5200	2.06	2.27	90.75	---
		5240	2.06	2.25	91.56	---
		5745	2.06	2.26	91.15	---
		5785	2.06	2.30	89.57	---
		5825	2.06	2.29	89.96	---
11N20MIMO	Ant1	5180	1.92	2.12	90.57	---
		5200	1.92	2.13	90.14	---
		5240	1.92	2.15	89.30	---
		5745	1.92	2.12	90.57	---
		5785	1.92	2.12	90.57	---
		5825	1.92	2.15	89.30	---
11N40MIMO	Ant1	5190	0.94	1.11	84.68	---
		5230	0.94	1.16	81.03	---
		5755	0.94	1.10	85.45	---
		5795	0.94	1.09	86.23	---
11AC20MIMO	Ant1	5180	1.94	2.13	91.08	---
		5200	1.94	2.15	90.23	---
		5240	1.94	2.15	90.23	---
		5745	1.93	2.14	90.19	---
		5785	1.94	2.18	88.99	---
		5825	1.94	2.16	89.81	---
11AC40MIMO	Ant1	5190	0.95	1.20	79.17	---
		5230	0.95	1.19	79.83	---
		5755	0.95	1.21	78.51	---
		5795	0.95	1.17	81.20	---
11AC80MIMO	Ant1	5210	0.46	0.71	64.79	---
		5775	0.46	0.70	65.71	---

1.7.2 Test Graphs

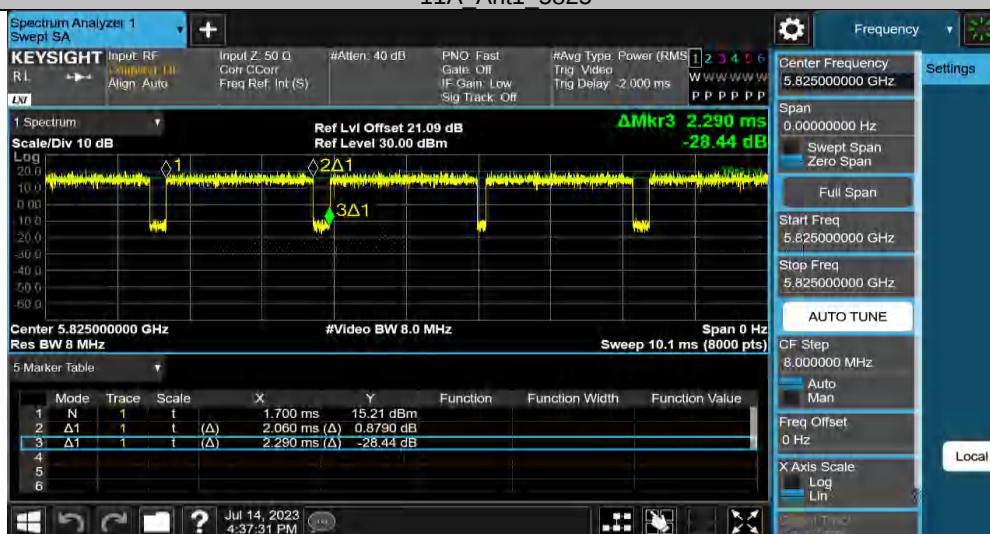




11A Ant1 5785



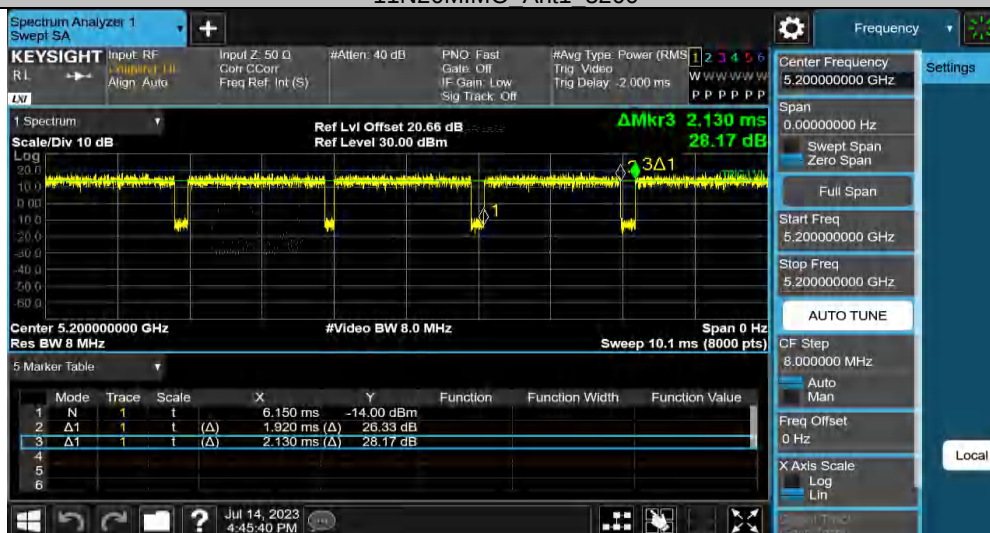
11A Ant1 5825



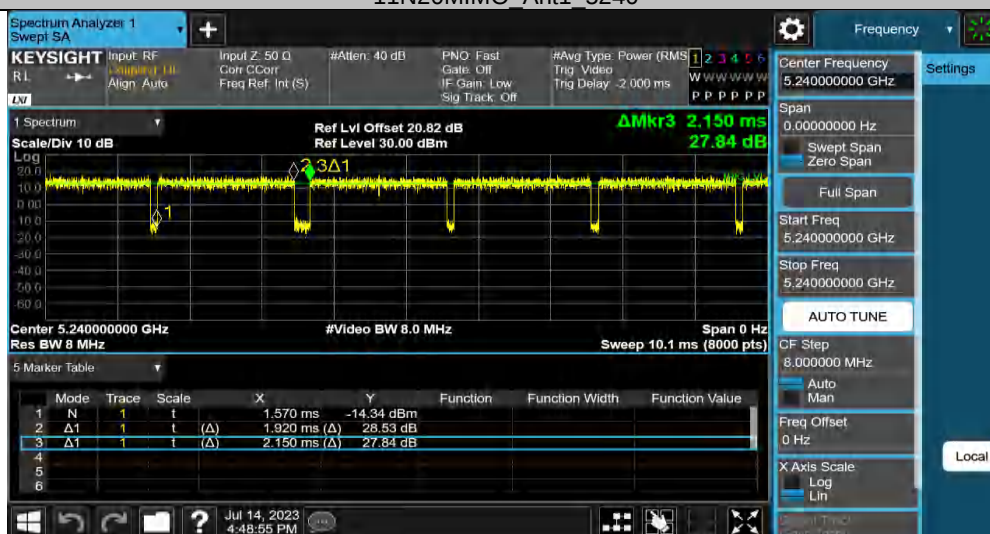
11N20MIMO Ant1 5180



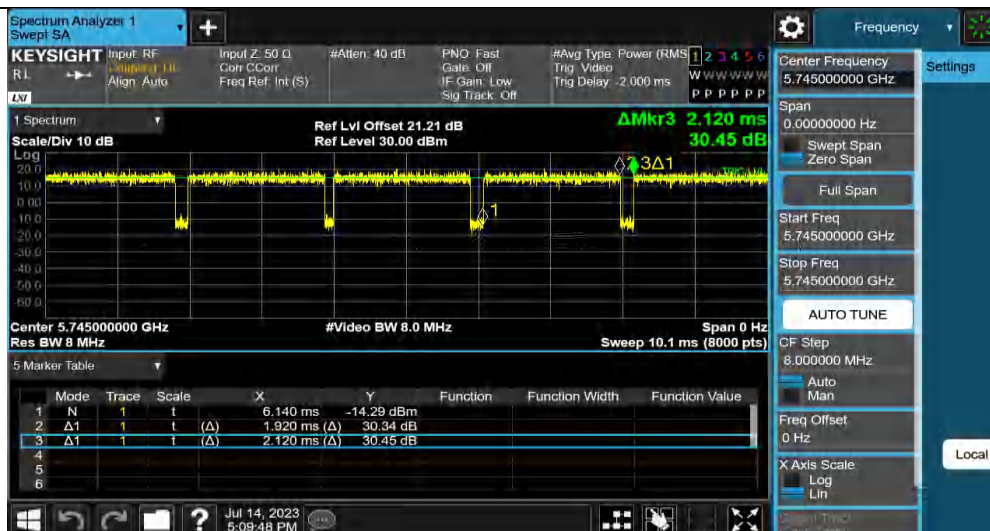
11N20MIMO Ant1 5200



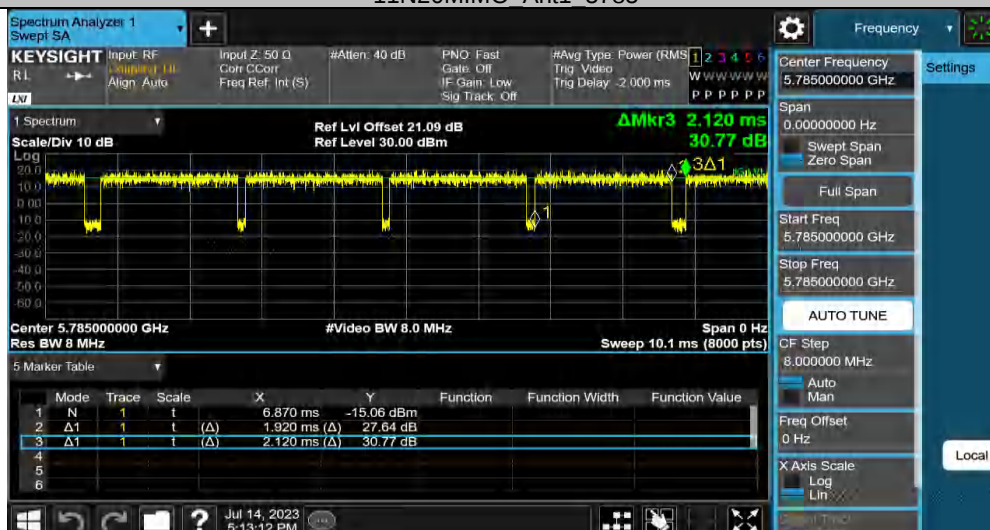
11N20MIMO Ant1 5240



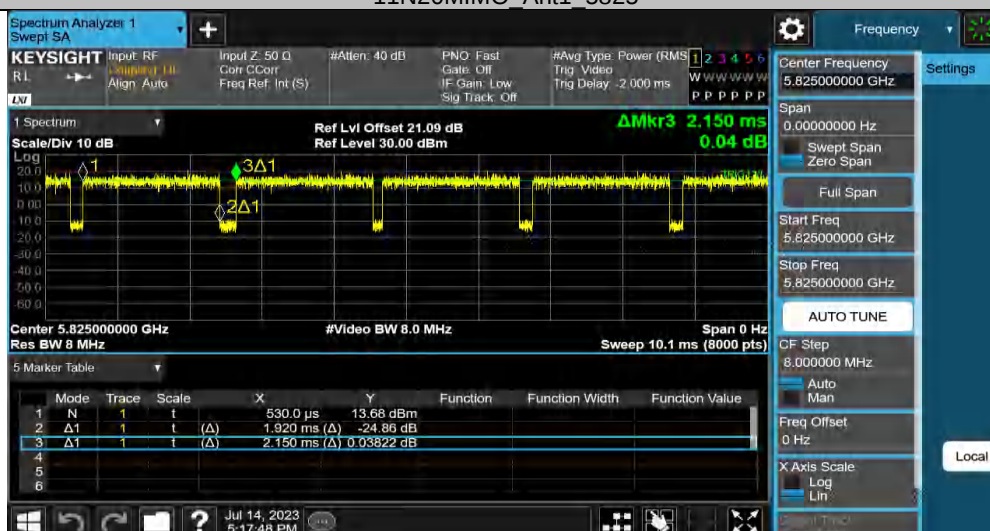
11N20MIMO Ant1 5745



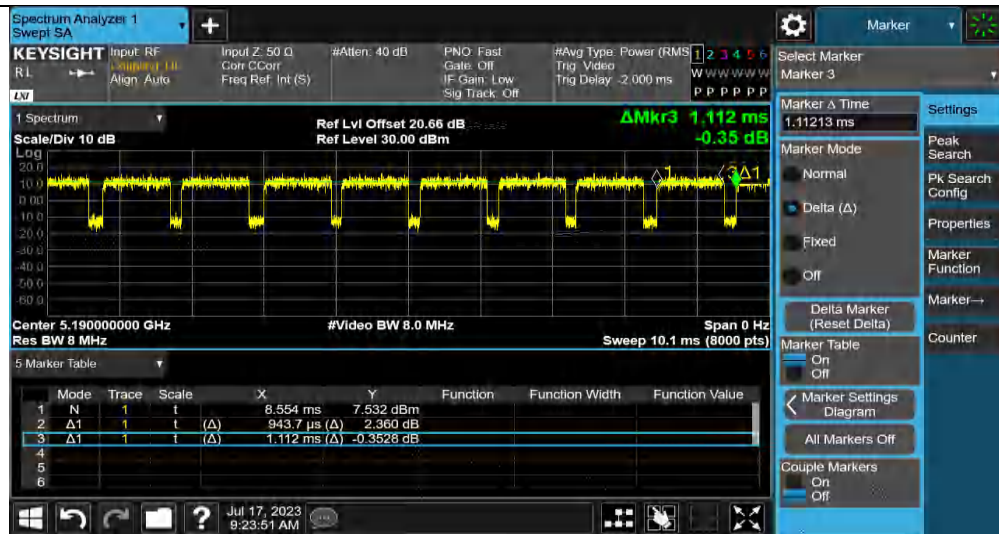
11N20MIMO Ant1 5785



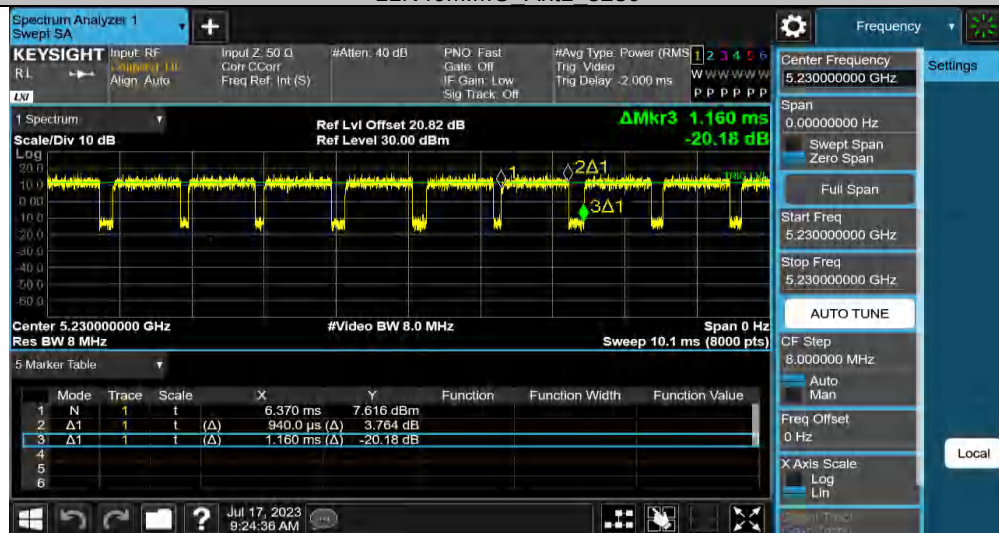
11N20MIMO Ant1 5825



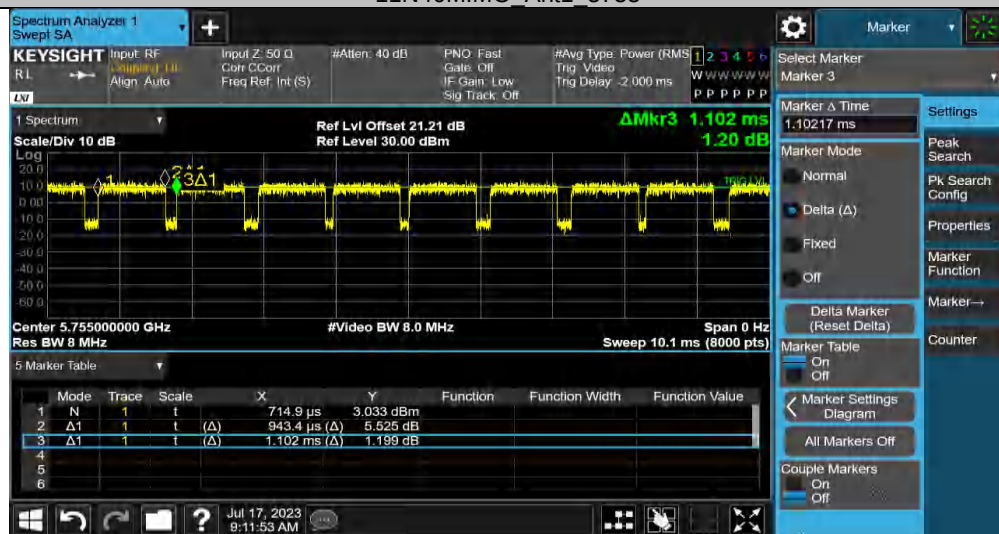
11N40MIMO Ant1 5190



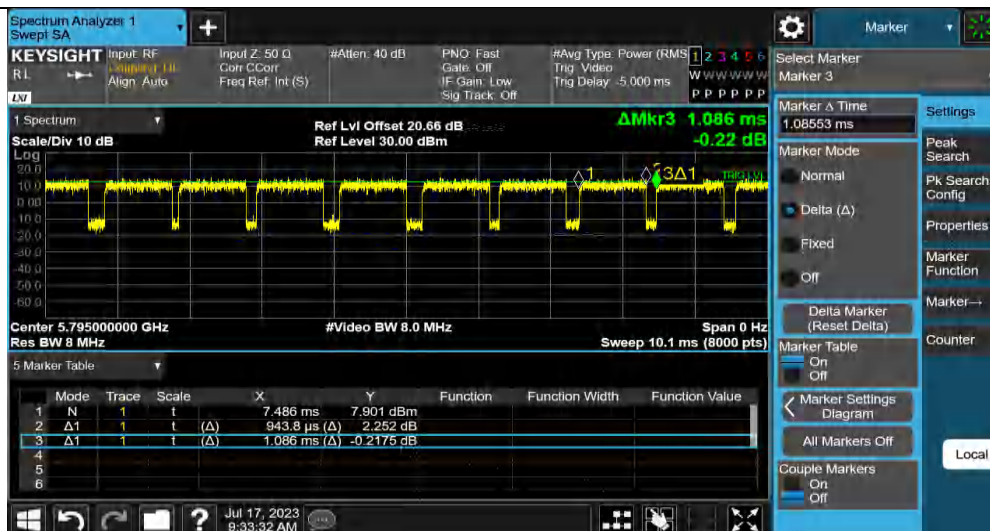
11N40MIMO Ant1 5230



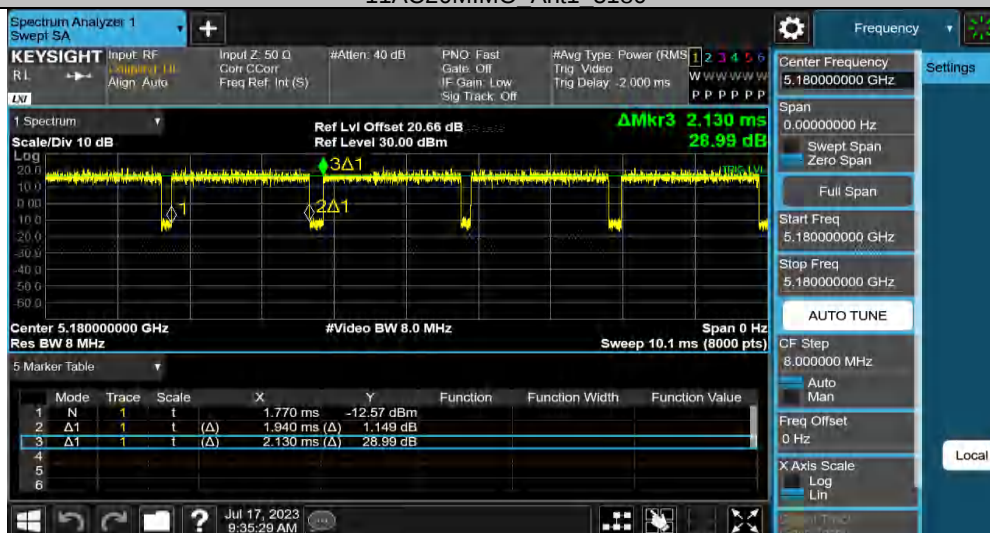
11N40MIMO Ant1 5755



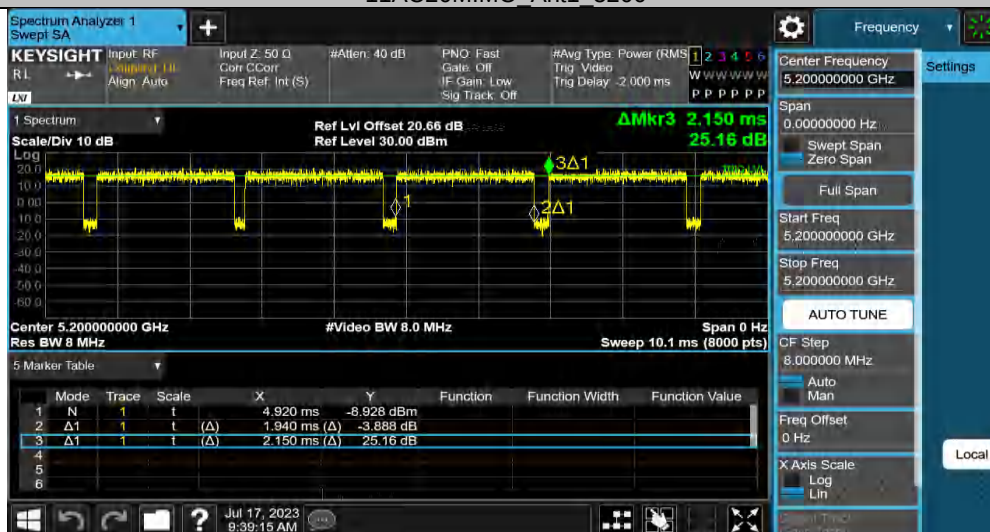
11N40MIMO Ant1 5795



11AC20MIMO Ant1 5180



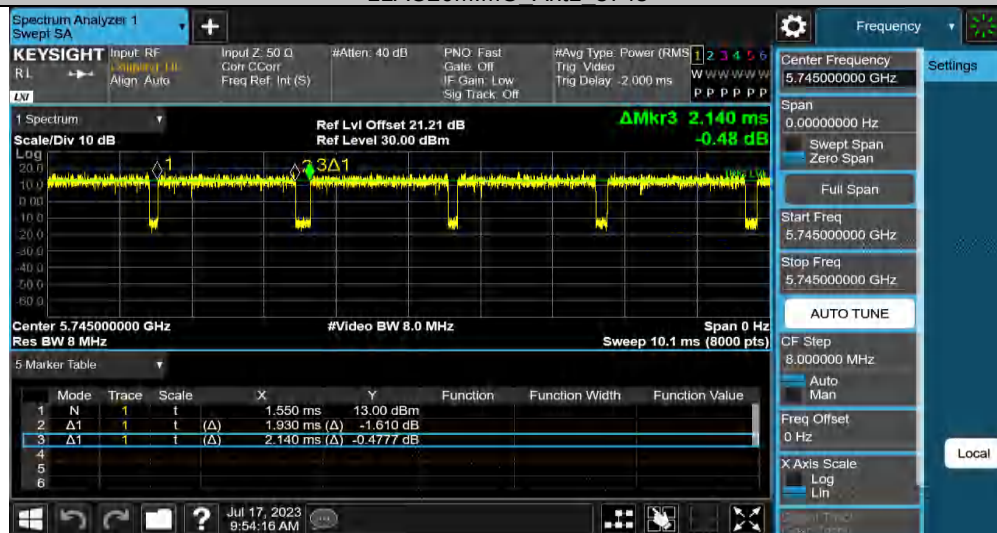
11AC20MIMO Ant1 5200



11AC20MIMO Ant1 5240



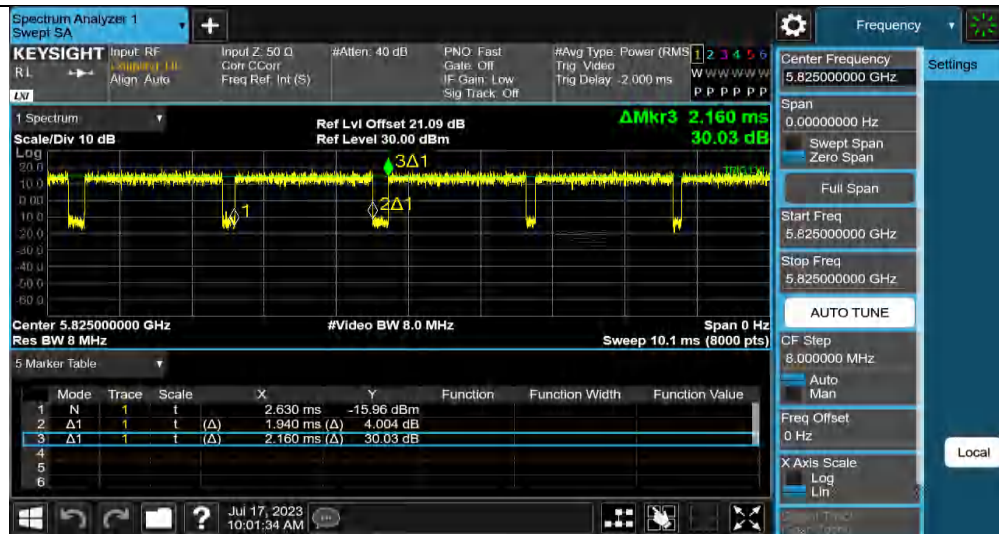
11AC20MIMO Ant1 5745



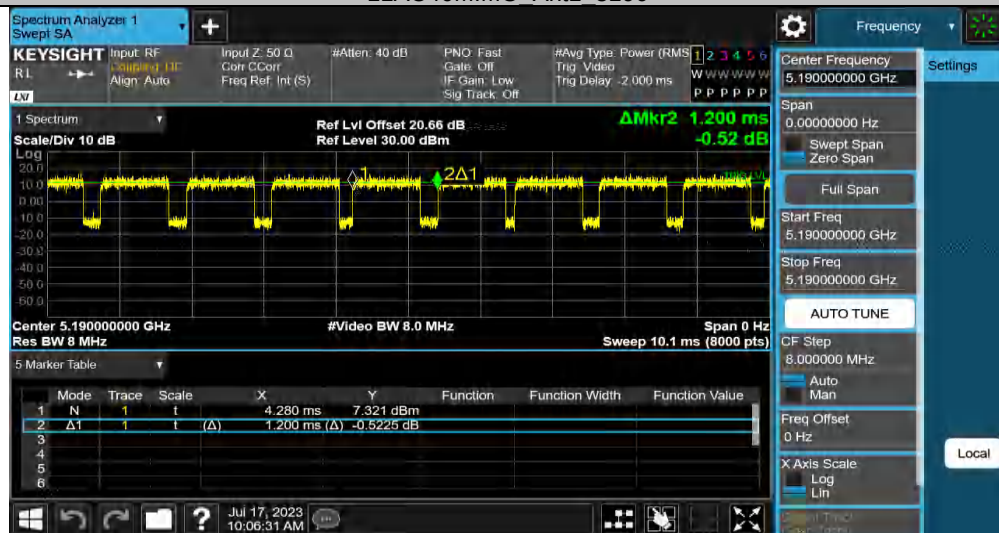
11AC20MIMO Ant1 5785



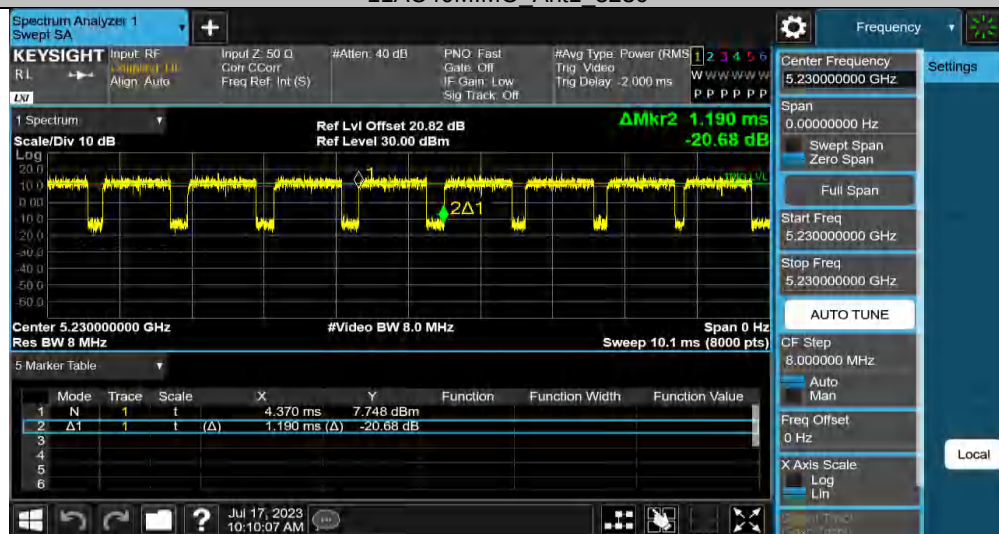
11AC20MIMO Ant1 5825



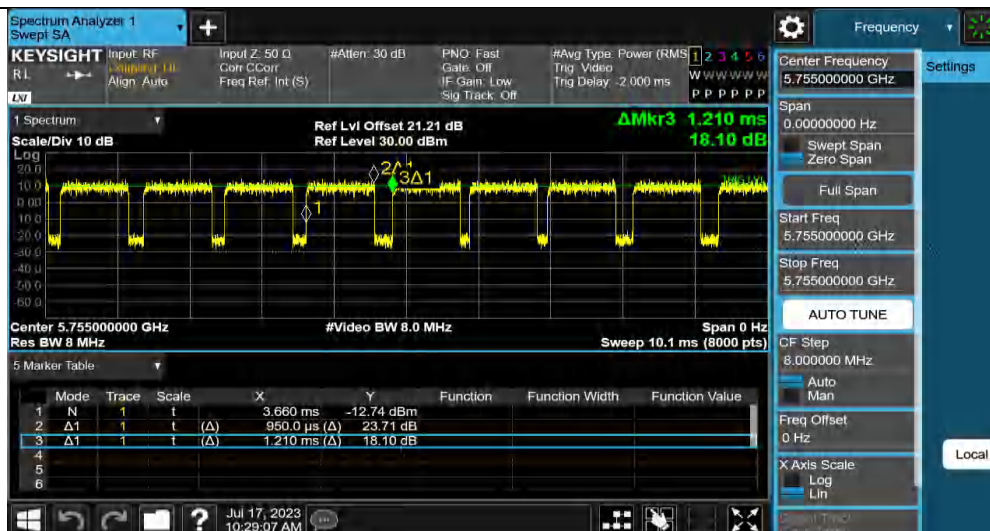
11AC40MIMO Ant1 5190



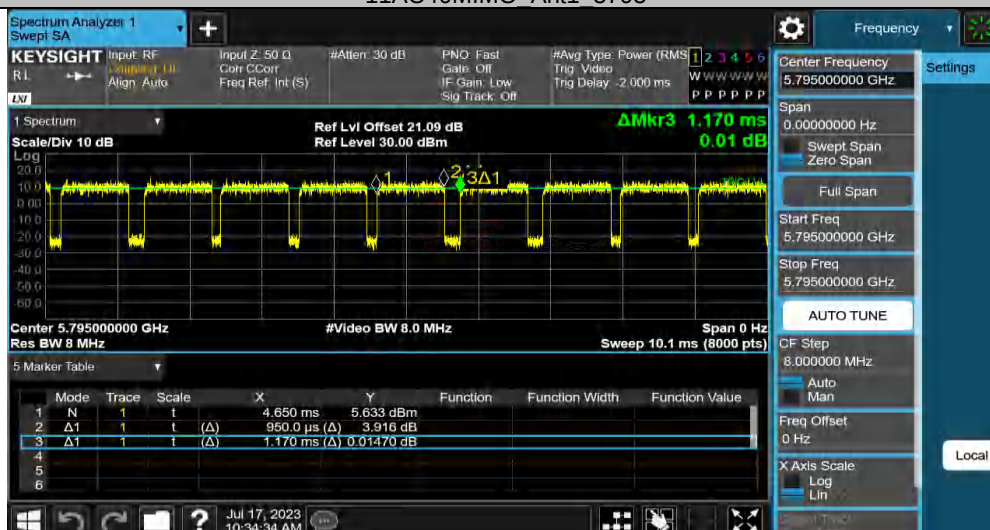
11AC40MIMO Ant1 5230



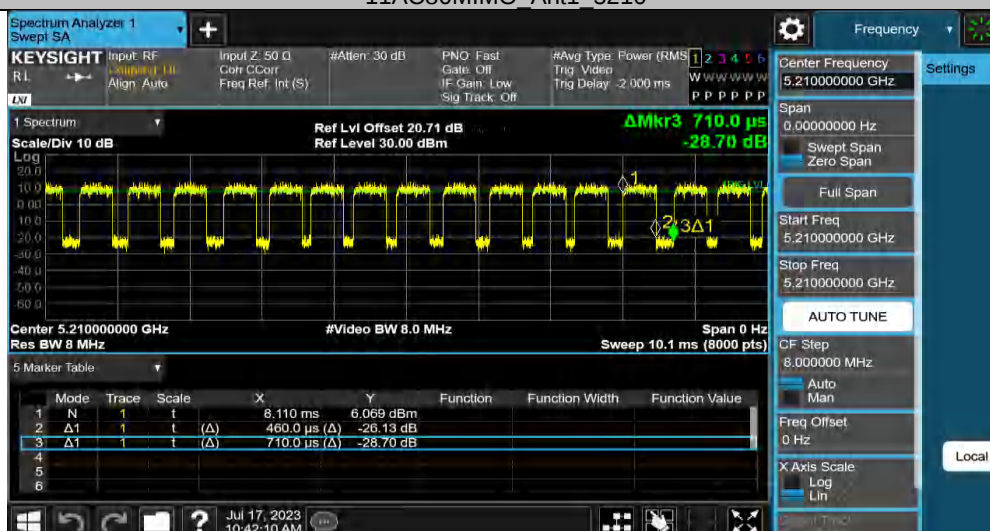
11AC40MIMO Ant1 5755



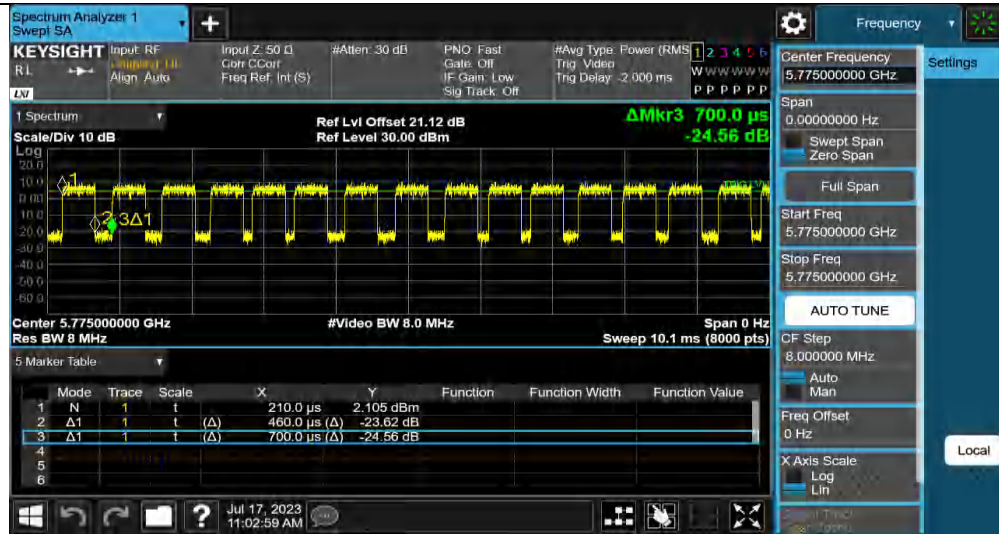
11AC40MIMO Ant1 5795



11AC80MIMO Ant1 5210



11AC80MIMO Ant1 5775



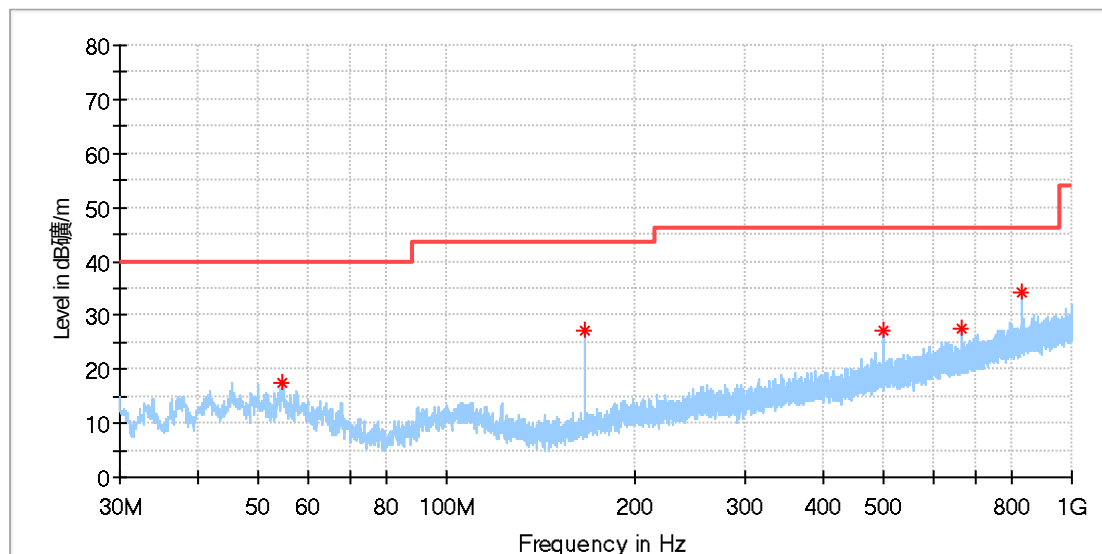
1.8 Appendix I: Radiated spurious emission.

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
2. This testing was carried out on Low/Middle/High channel for MIMO or ANT1 or ANT2 mode, only the worst case (ANT1) was presented in this report.

Test Report

EUT Information

EUT Name: Rokid Station
Model: RES102
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168429121/A003488166-001
Test Voltage:: Battery
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)
54.686500	17.56	40.00	22.44	100.0	H	239.0	-18.4
166.673000	27.05	43.50	16.45	100.0	H	122.0	-21.4
500.062000	27.04	46.00	18.96	100.0	H	73.0	-11.8
666.756500	27.60	46.00	18.40	100.0	H	272.0	-8.7
833.402500	34.18	46.00	11.82	100.0	H	279.0	-5.8

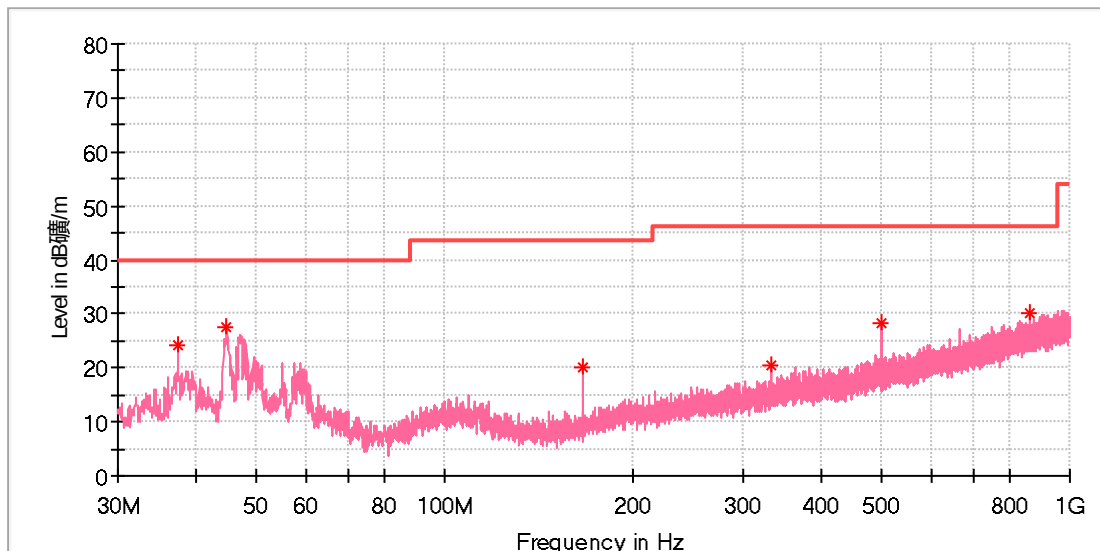
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
37.469000	24.12	40.00	15.88	100.0	V	214.0	-21.0
44.841000	27.48	40.00	12.52	100.0	V	119.0	-18.9
166.673000	20.18	43.50	23.32	100.0	V	214.0	-21.4
333.367500	20.58	46.00	25.42	100.0	V	37.0	-15.3
500.062000	28.38	46.00	17.62	100.0	V	2.0	-11.8
862.211500	30.08	46.00	15.92	100.0	V	265.0	-5.3

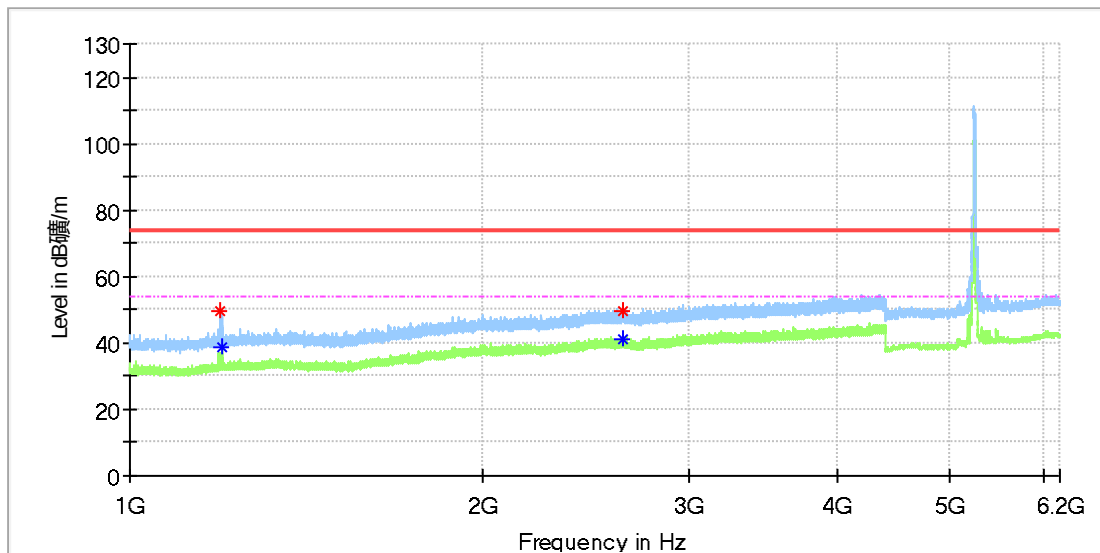
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
1195.670000	49.77	---	74.00	24.23	150.0	H	263.0	1.1
1197.710000	---	38.86	54.00	15.14	150.0	H	346.0	1.1
2633.020000	49.71	---	74.00	24.29	150.0	H	120.0	7.5
2635.060000	---	41.23	54.00	12.77	150.0	H	201.0	7.5

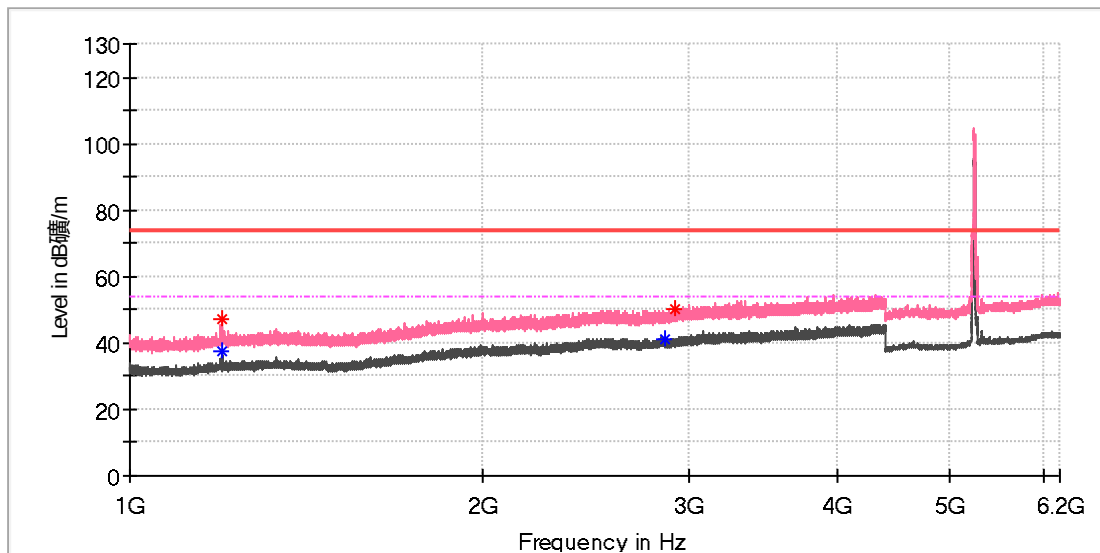
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
1197.710000	47.06	---	74.00	26.94	150.0	V	93.0	1.1
1197.710000	---	37.41	54.00	16.59	150.0	V	93.0	1.1
2856.060000	---	41.38	54.00	12.62	150.0	V	112.0	8.2
2918.280000	50.42	---	74.00	23.58	150.0	V	132.0	8.3

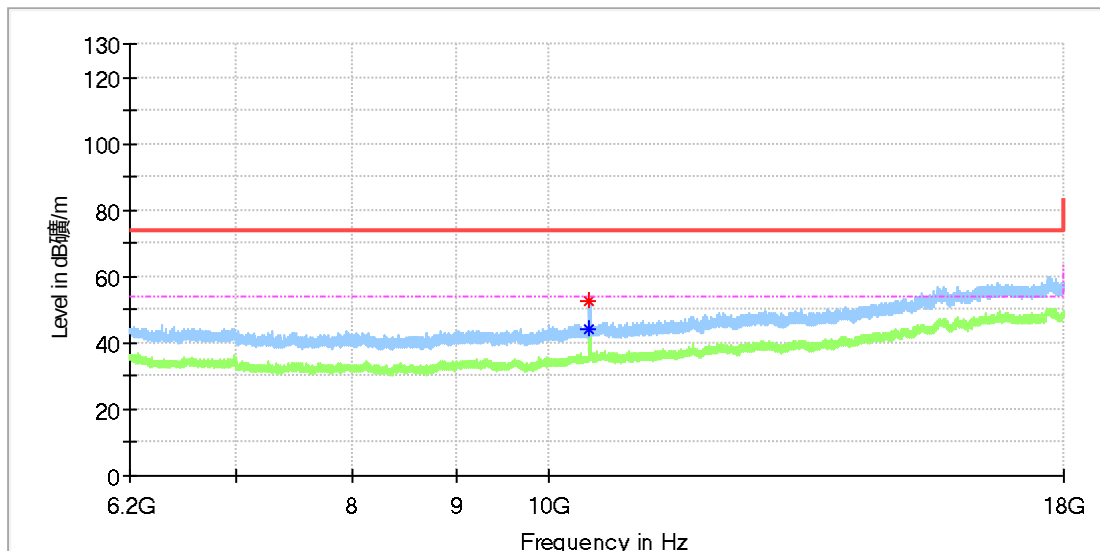
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
10470.616667	52.45	---	74.00	21.55	150.0	H	127.0	12.0
10479.466667	---	43.84	54.00	10.16	150.0	H	116.0	12.0

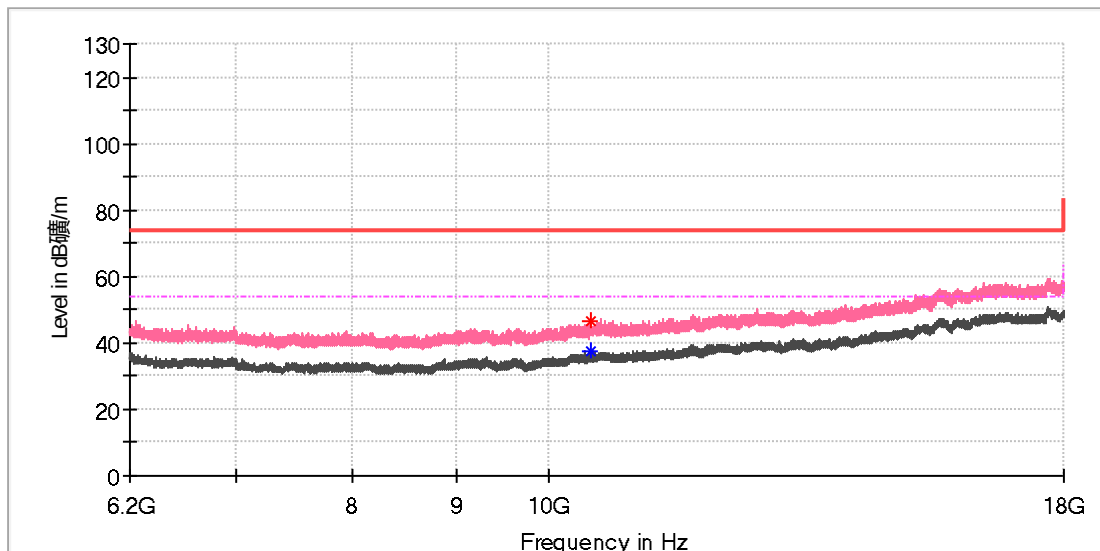
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
10481.433333	---	37.48	54.00	16.52	150.0	V	0.0	12.0
10482.908333	46.78	---	74.00	27.22	150.0	V	32.0	12.0

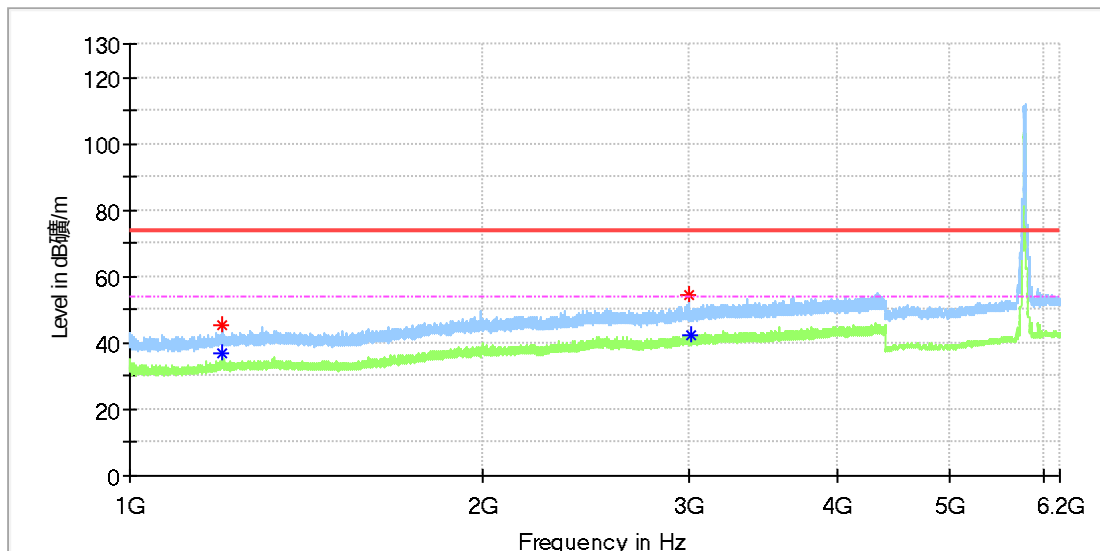
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
1196.520000	45.50	---	74.00	28.50	150.0	H	359.0	1.1
1199.580000	---	36.79	54.00	17.21	150.0	H	359.0	1.1
2992.570000	54.45	---	74.00	19.55	150.0	H	202.0	8.5
3007.360000	---	42.22	54.00	11.78	150.0	H	52.0	8.5

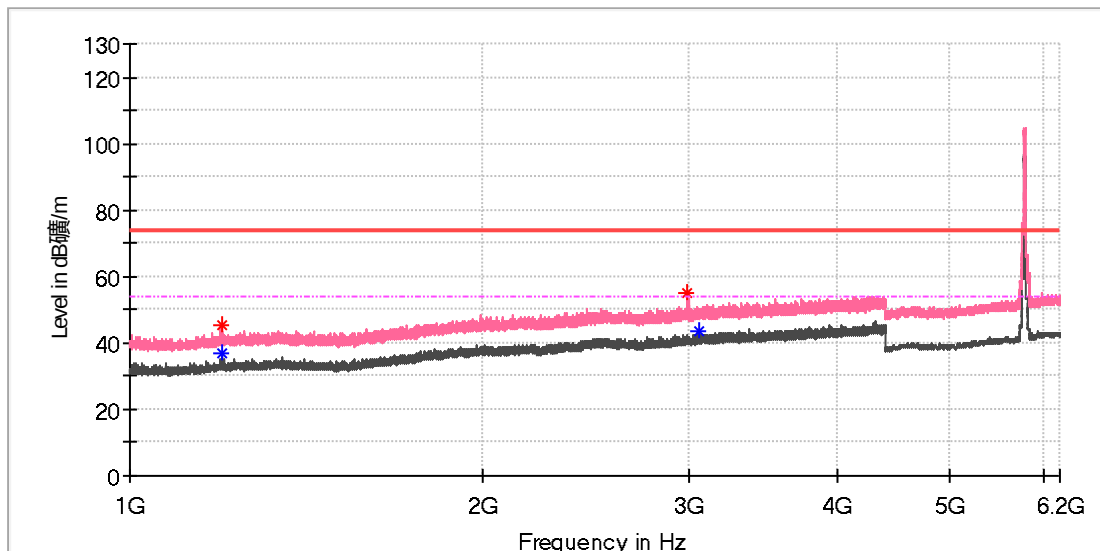
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
1196.690000	---	36.70	54.00	17.30	150.0	V	321.0	1.1
1199.070000	45.51	---	74.00	28.49	150.0	V	321.0	1.1
2988.660000	55.29	---	74.00	18.71	150.0	V	241.0	8.5
3057.170000	---	43.66	54.00	10.34	150.0	V	171.0	8.6

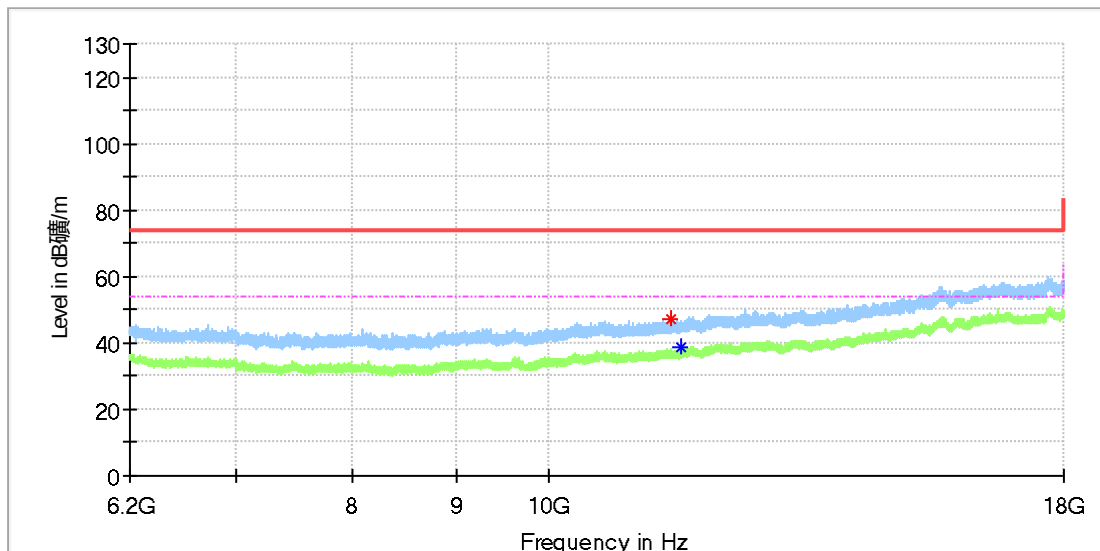
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
11505.083333	46.88	---	74.00	27.12	150.0	H	11.0	13.7
11622.100000	---	38.43	54.00	15.57	150.0	H	60.0	13.3

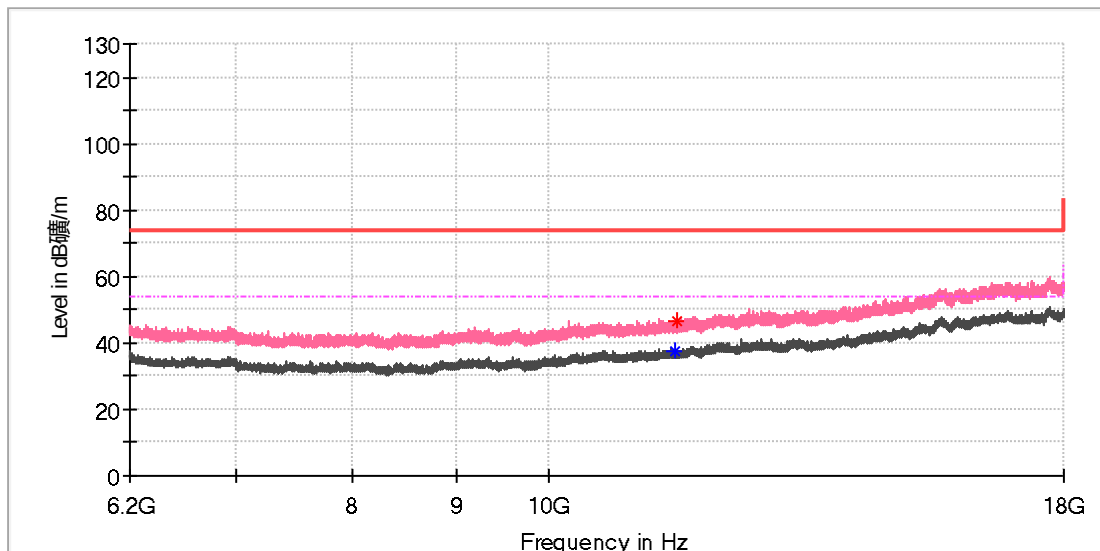
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
11544.908333	---	37.74	54.00	16.26	150.0	V	358.0	13.5
11568.016667	46.42	---	74.00	27.58	150.0	V	264.0	13.4

Final Result

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

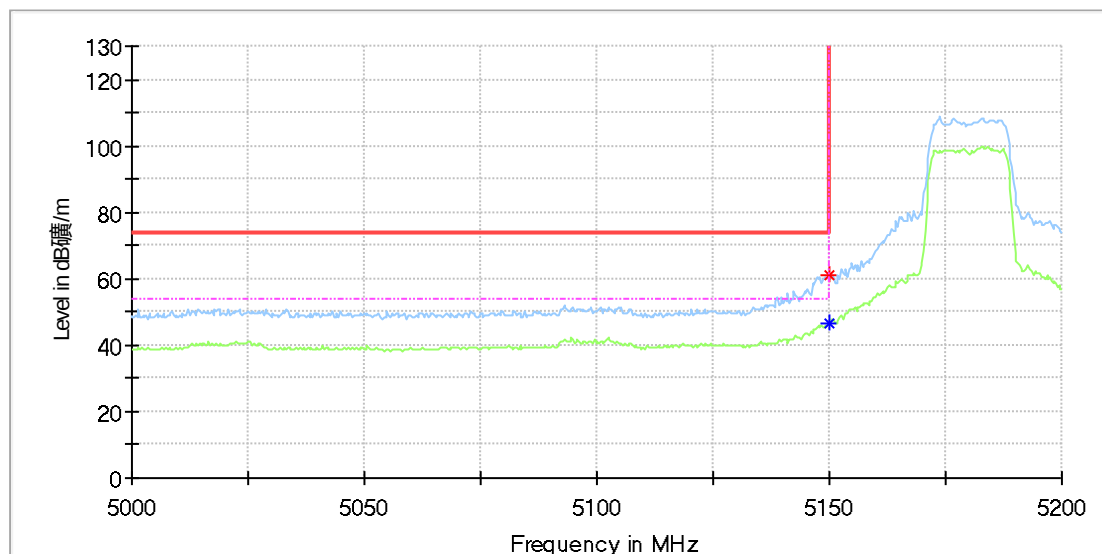
1.9 Appendix J: Radiated Emissions in Restricted Bands

5180-5240MHz band
802.11a

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5149.955556	---	46.83	54.00	7.17	150.0	H	99.0	12.4
5149.955556	60.97	---	74.00	13.03	150.0	H	99.0	12.4

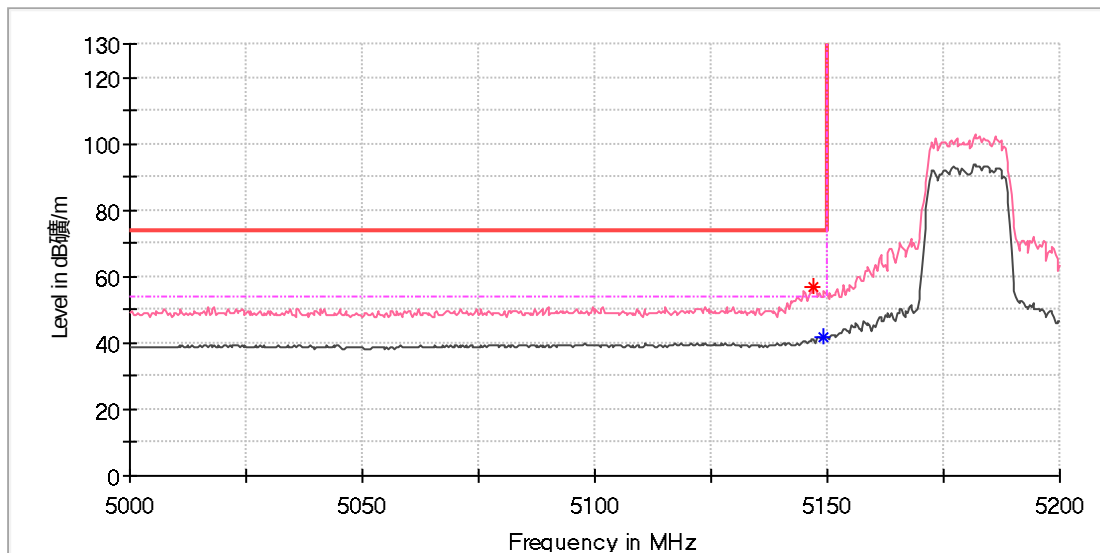
Final_Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5147.005556	56.78	---	74.00	17.22	150.0	V	341.0	12.4
5148.972222	---	41.86	54.00	12.14	150.0	V	355.0	12.4

Final Result

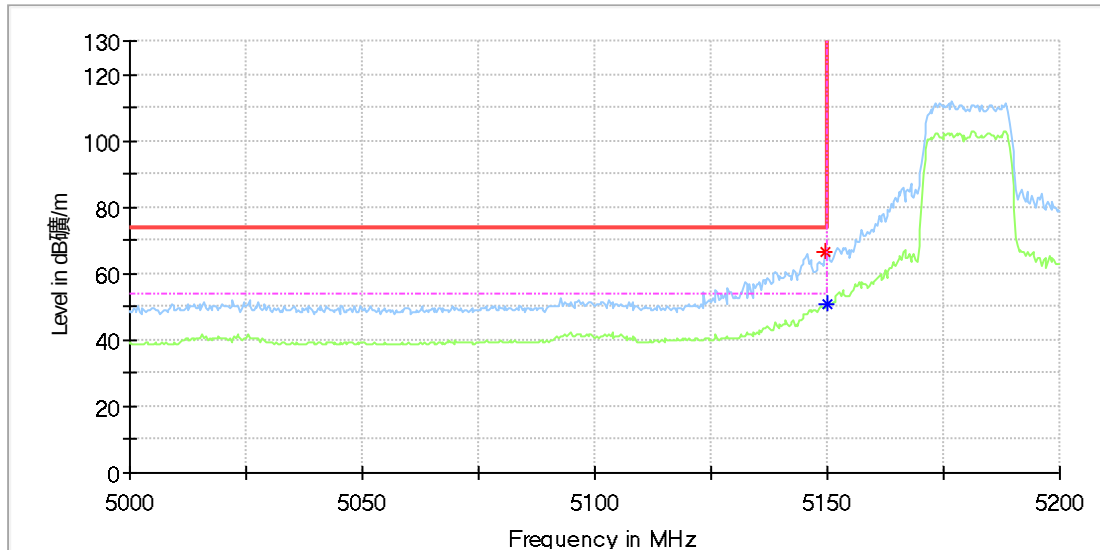
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11n20

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch36
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5149.627778	66.73	---	74.00	7.27	150.0	H	220.0	12.4
5149.955556	---	50.92	54.00	3.08	150.0	H	220.0	12.4

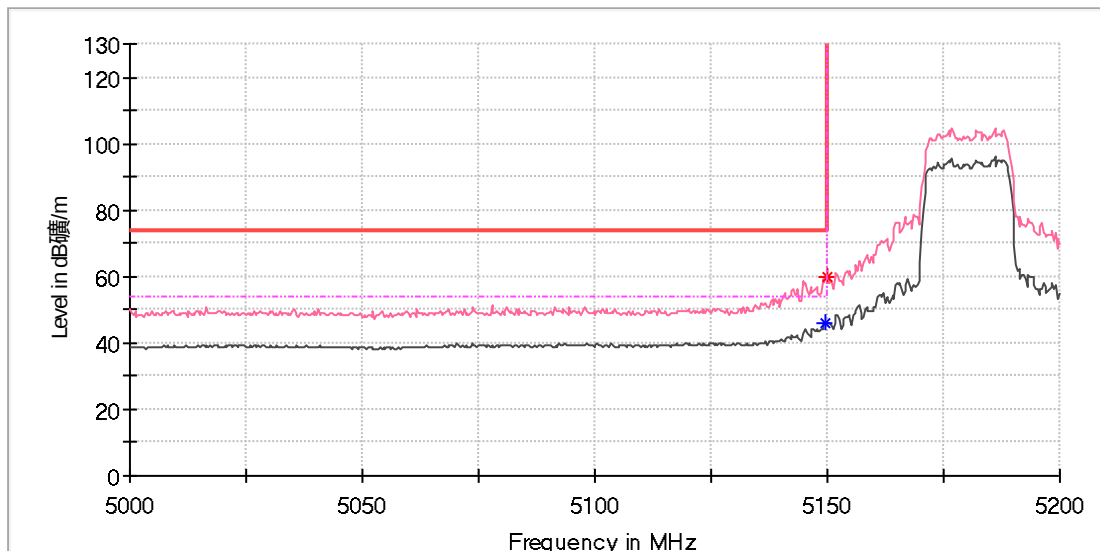
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch36
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5149.627778	---	46.23	54.00	7.77	150.0	V	348.0	12.4
5149.955556	59.91	---	74.00	14.09	150.0	V	342.0	12.4

Final Result

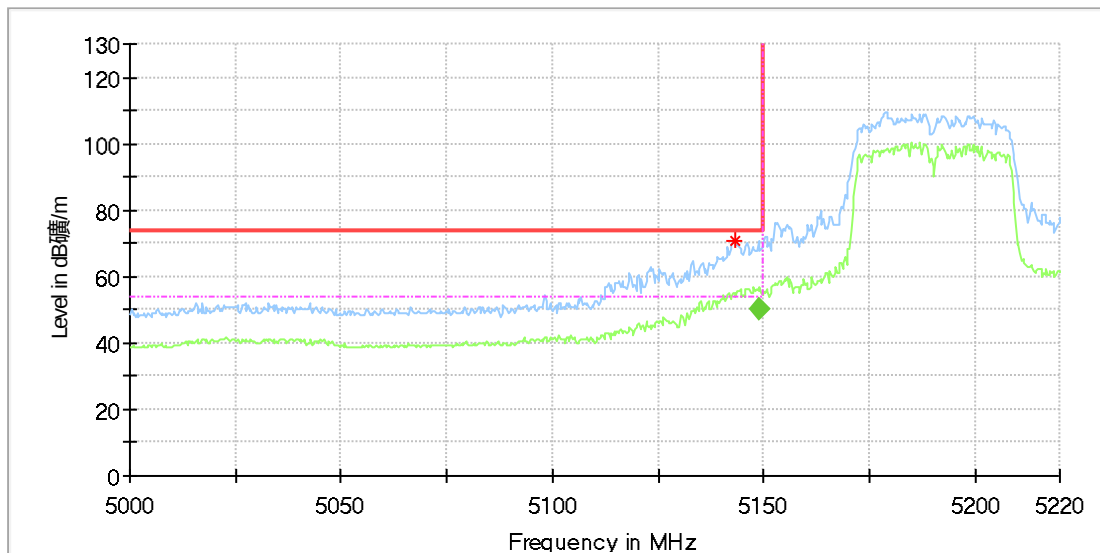
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11n40

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch38
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5143.072222	70.91	---	74.00	3.09	150.0	H	190.0	12.4

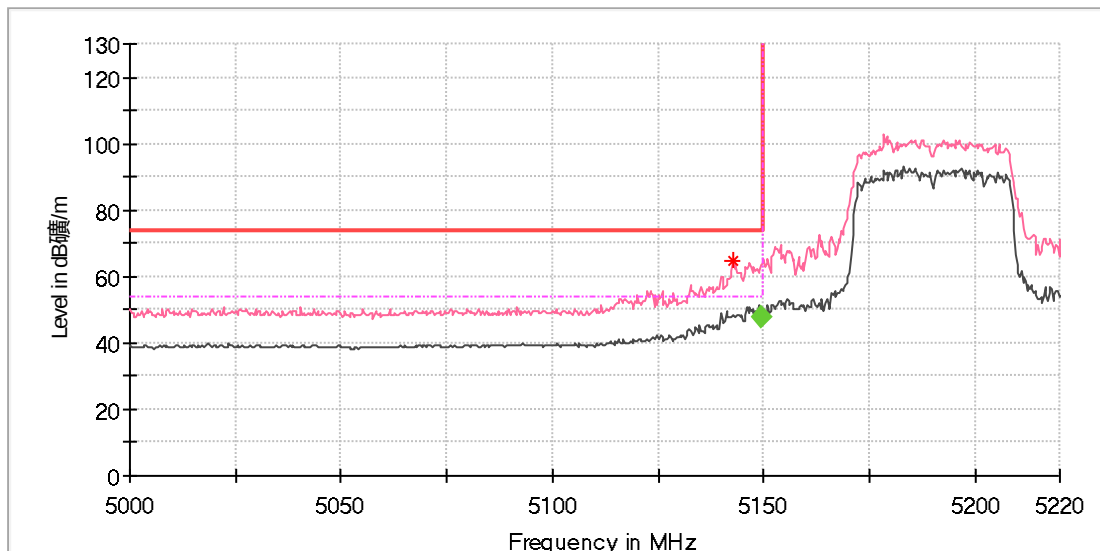
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.097222	50.06	54.00	3.94	145.0	H	189.0	12.4

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch38
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5142.744445	64.94	---	74.00	9.06	150.0	V	0.0	12.4

Final Result

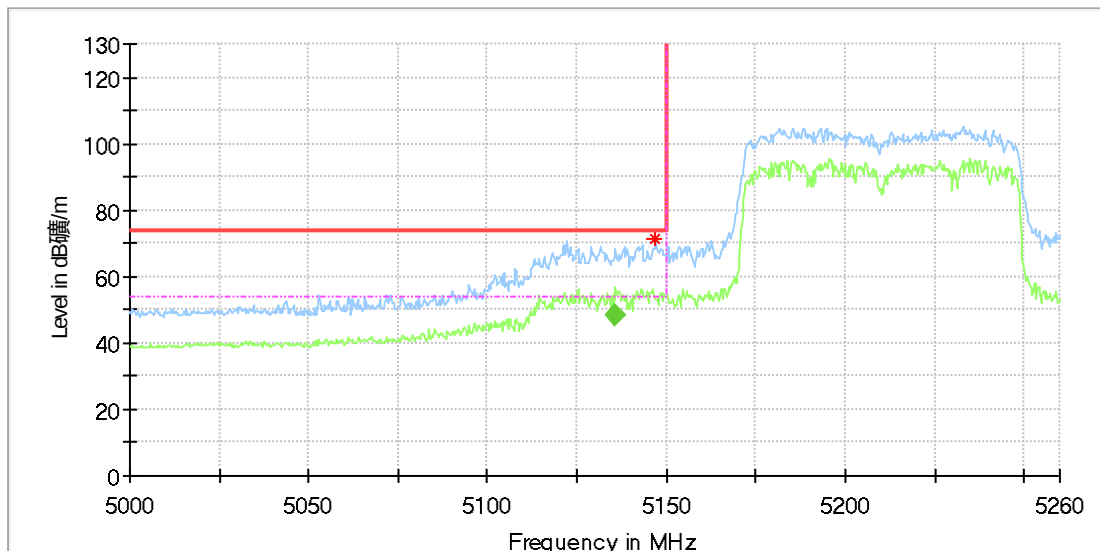
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.288889	47.97	54.00	6.03	145.0	V	147.0	12.4

802.11ac80

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch42
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5147.005556	71.33	---	74.00	2.67	150.0	H	169.0	12.4

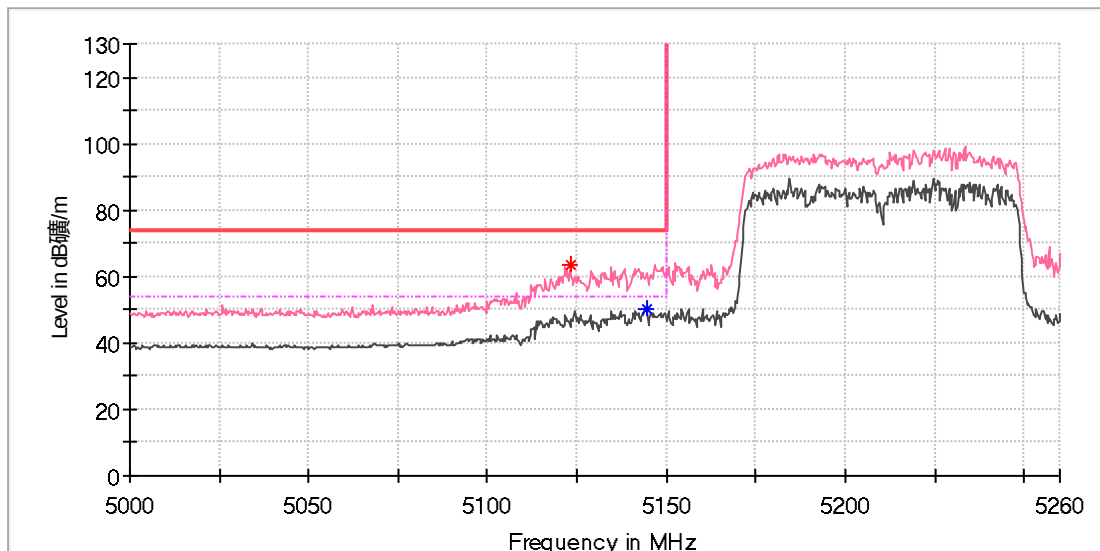
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5135.766667	48.33	54.00	5.67	145.0	H	193.0	12.4

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch42
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5123.077778	63.39	---	74.00	10.61	150.0	V	11.0	12.3
5144.383333	---	50.01	54.00	3.99	150.0	V	338.0	12.4

Final Result

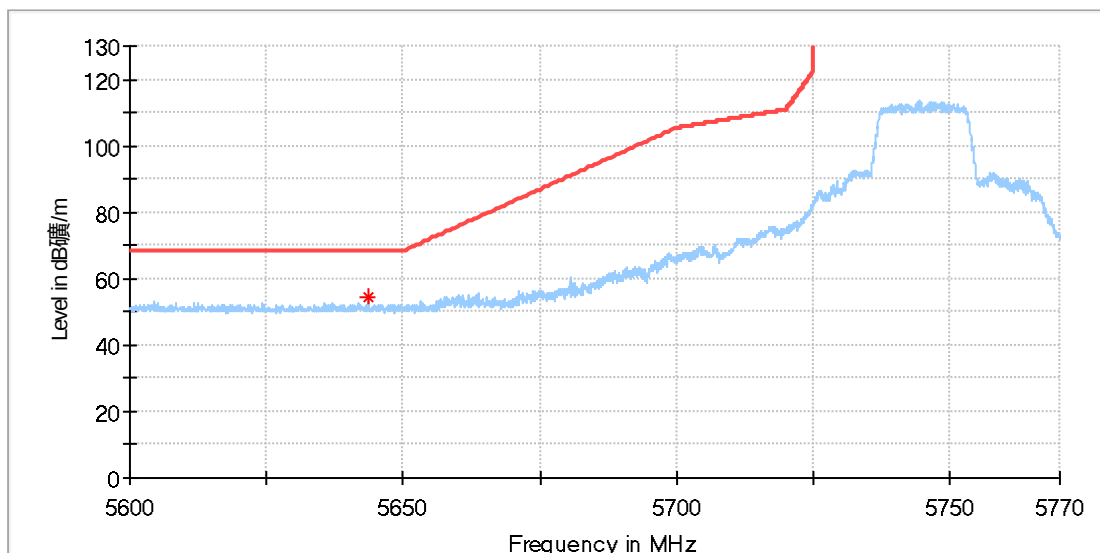
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

5745-5825MHz band 802.11a

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5643.694445	54.18	68.20	14.02	150.0	H	202.0	13.8

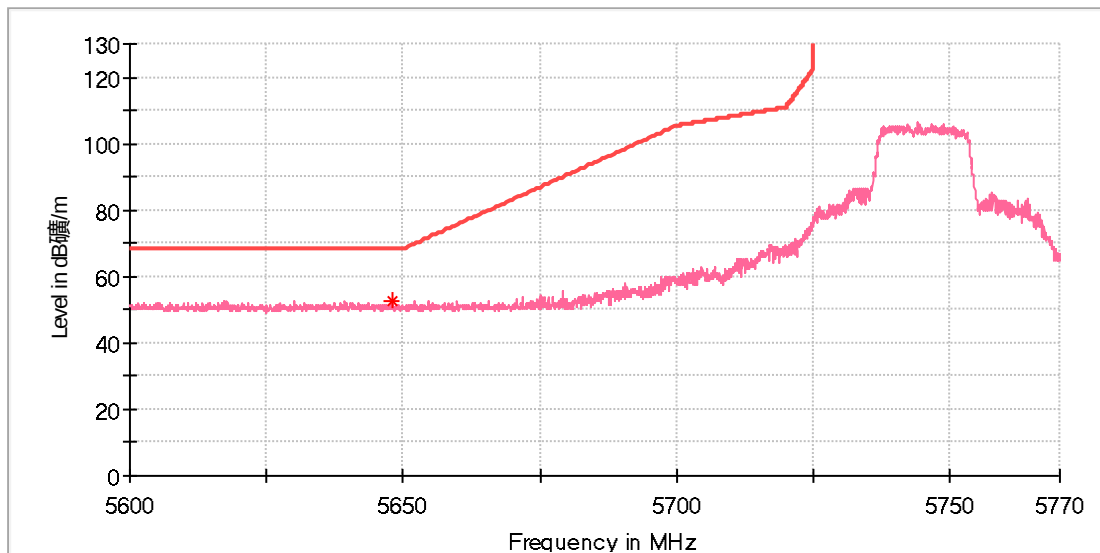
Final_Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5647.850000	52.57	68.20	15.63	150.0	V	0.0	13.8

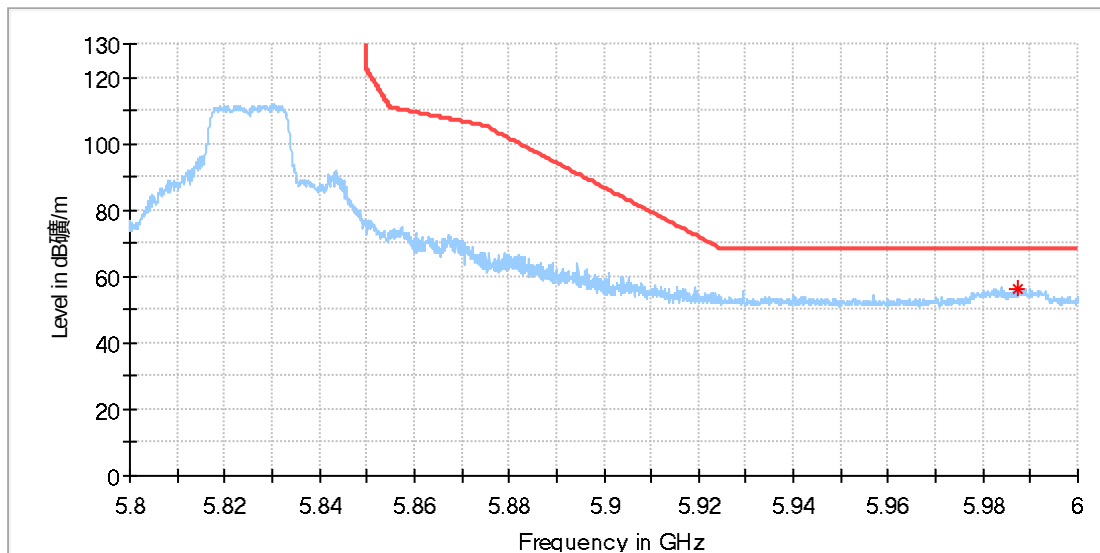
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5987.472222	56.51	68.20	11.69	150.0	H	267.0	15.0

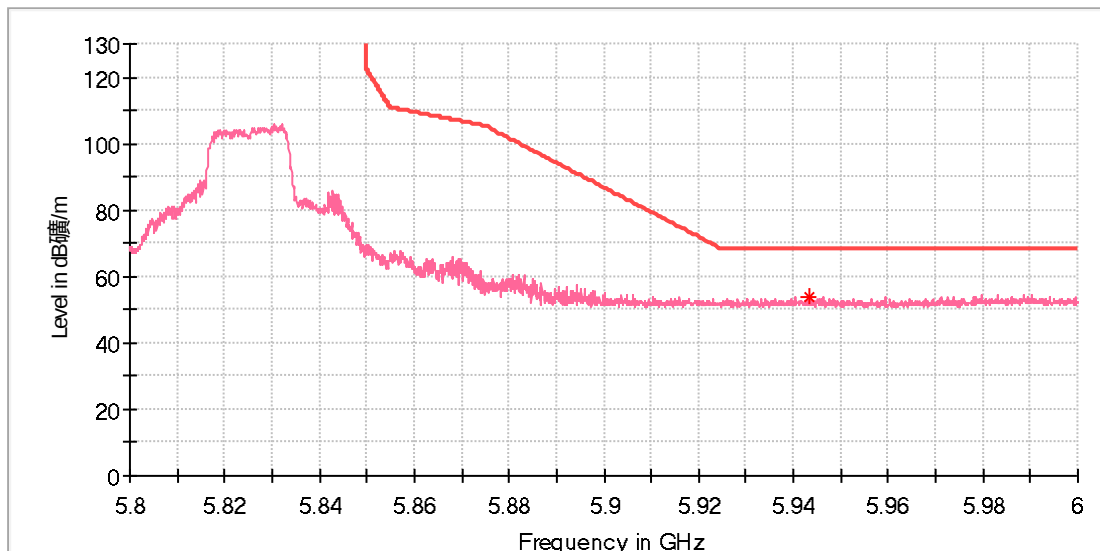
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5943.166667	53.91	68.20	14.29	150.0	V	330.0	14.7

Final Result

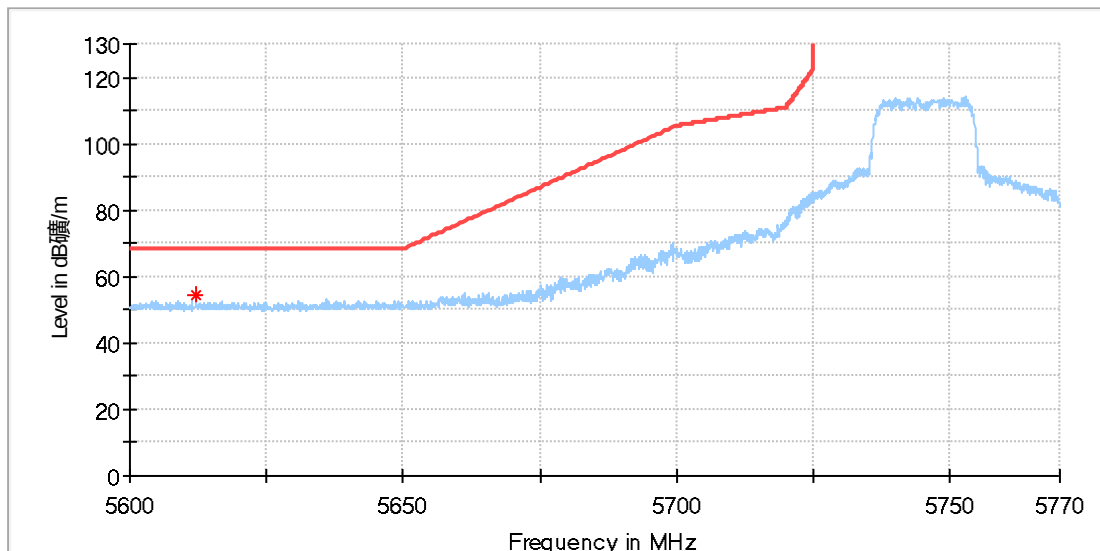
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11n20

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5612.161111	54.24	68.20	13.96	150.0	H	113.0	13.8

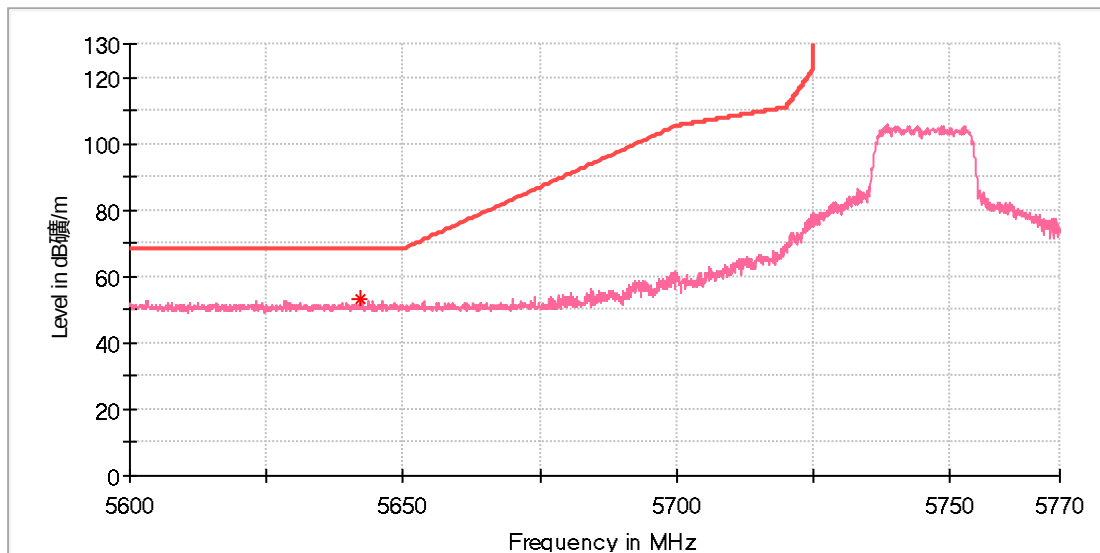
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5642.166667	53.28	68.20	14.92	150.0	V	288.0	13.8

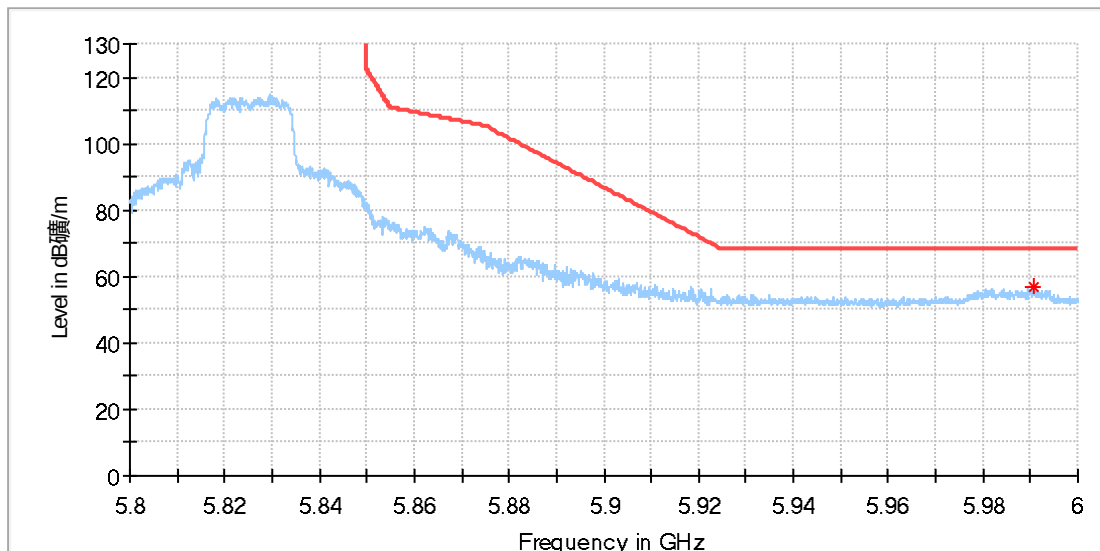
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch165
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5990.756944	56.58	68.20	11.62	150.0	H	225.0	15.0

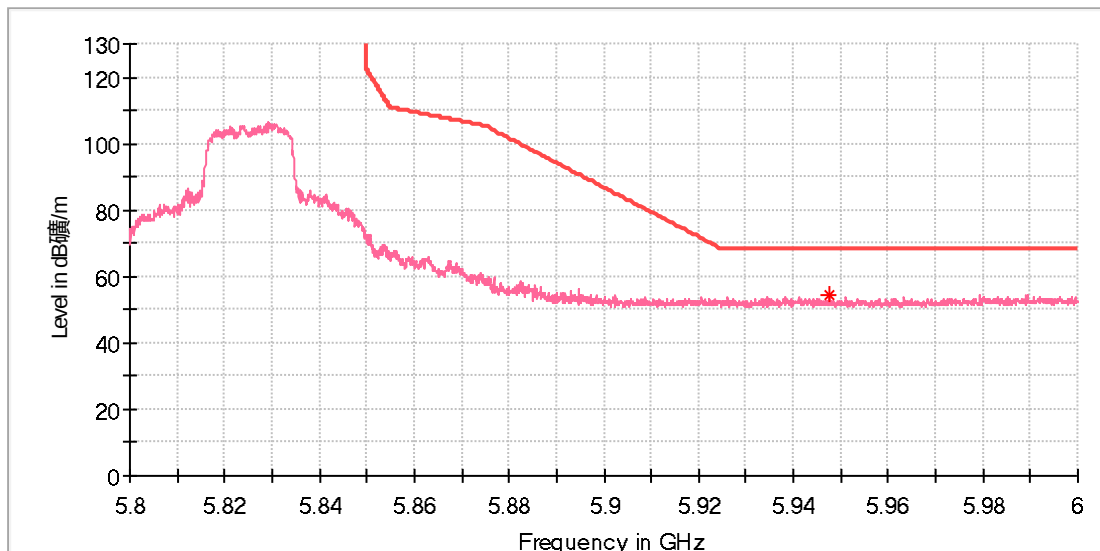
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n20_Ch165
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5947.673611	54.13	68.20	14.07	150.0	V	78.0	14.8

Final Result

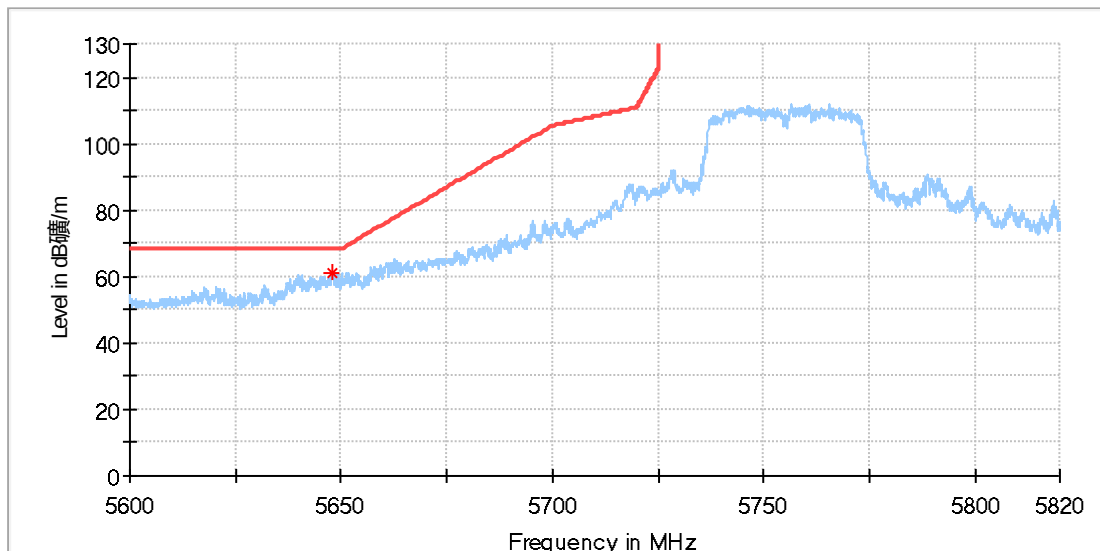
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11n40

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch151
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5647.727778	61.24	68.20	6.96	150.0	H	195.0	13.8

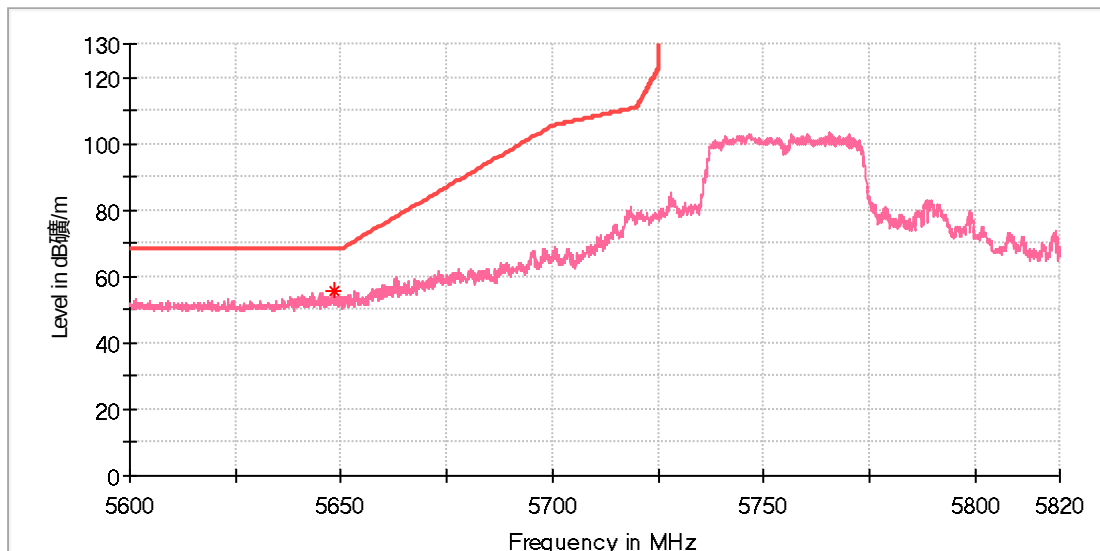
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch151
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5648.277778	55.61	68.20	12.59	150.0	V	340.0	13.8

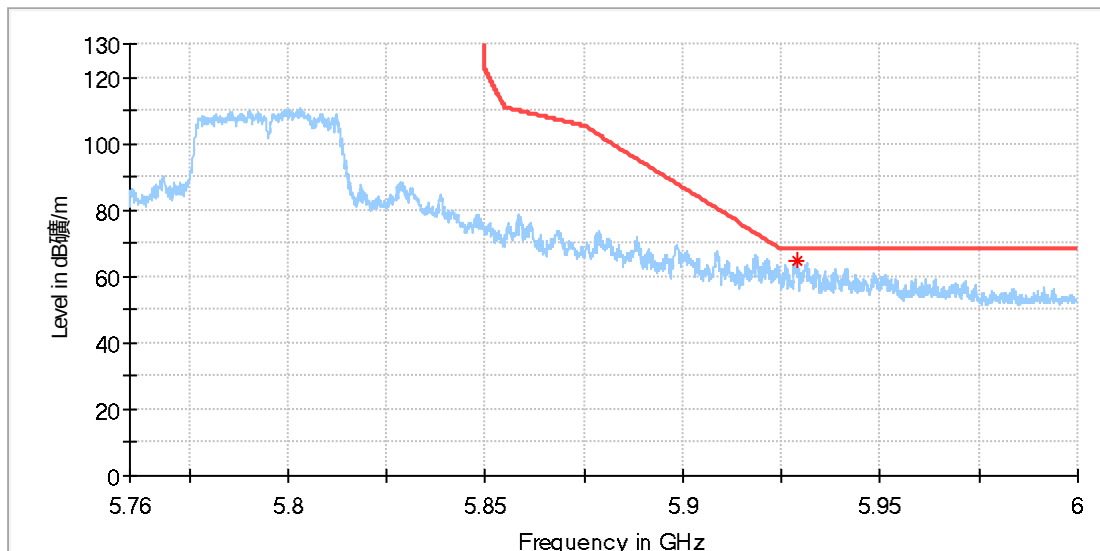
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch159
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5928.729167	64.91	68.20	3.29	150.0	H	214.0	14.7

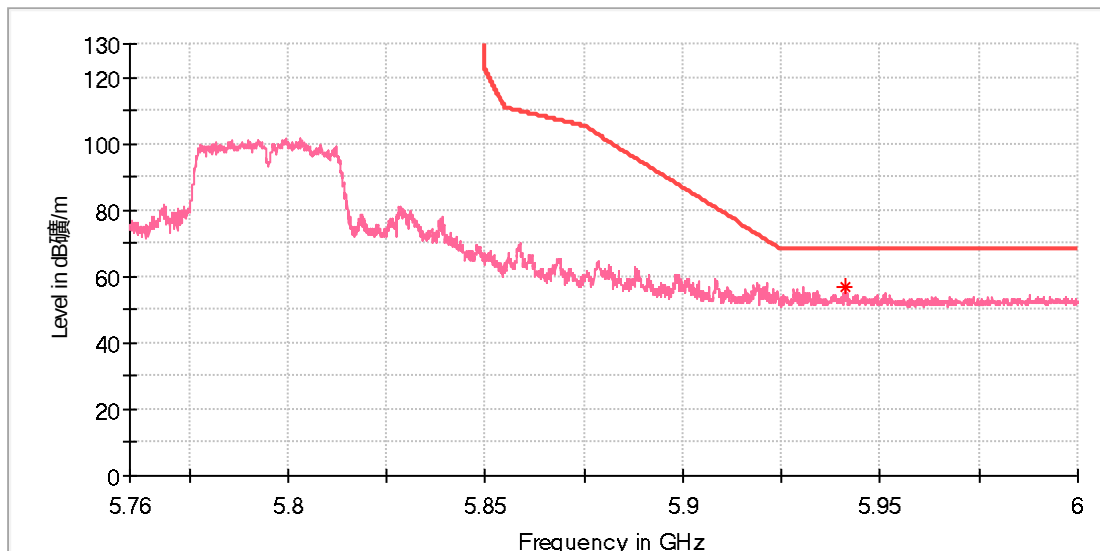
Final Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11n40_Ch159
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5941.256945	56.79	68.20	11.41	150.0	V	90.0	14.7

Final Result

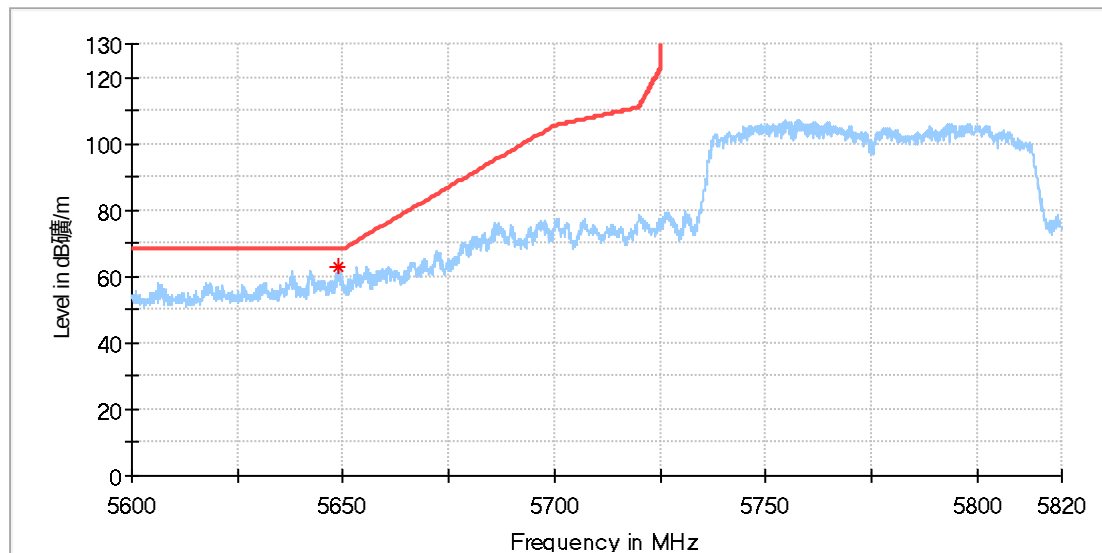
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

802.11ac80

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5648.950000	62.89	68.20	5.31	150.0	H	189.0	13.8

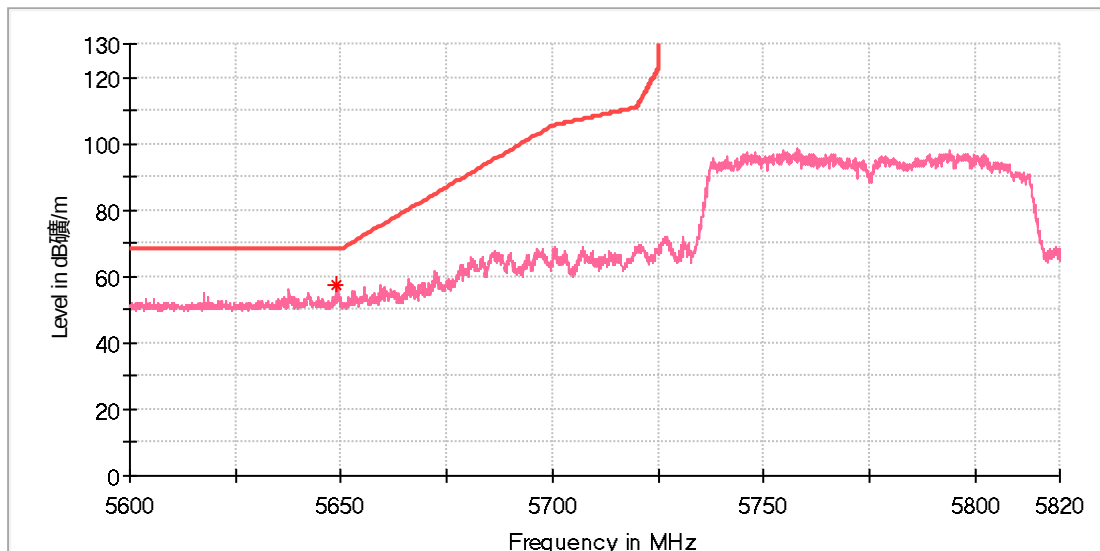
Final_Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5648.950000	57.23	68.20	10.97	150.0	V	59.0	13.8

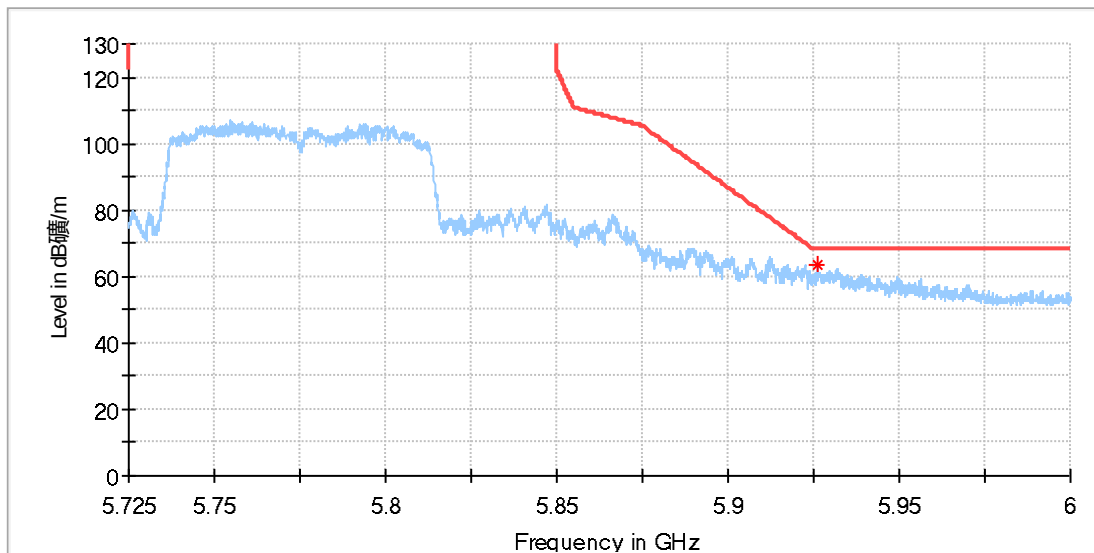
Final_Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5926.208333	63.42	68.20	4.78	150.0	H	211.0	14.7

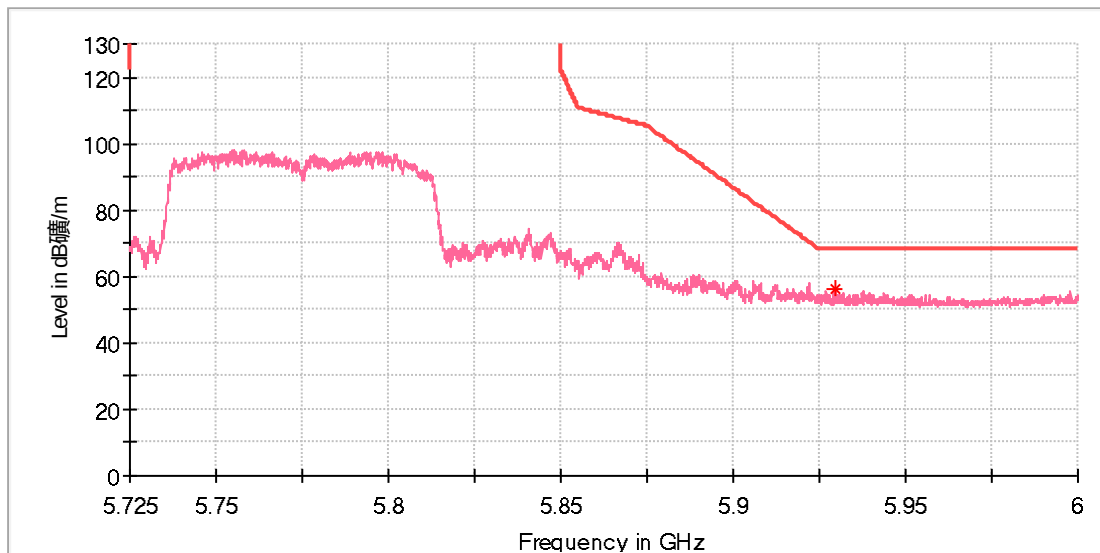
Final_Result

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

Test Report

EUT Information

EUT Name:	Rokid Station
Model:	RES102
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168429121/A003488166-001
Test Voltage::	Battery
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)
5929.722222	56.12	68.20	12.08	150.0	V	22.0	14.7

Final Result

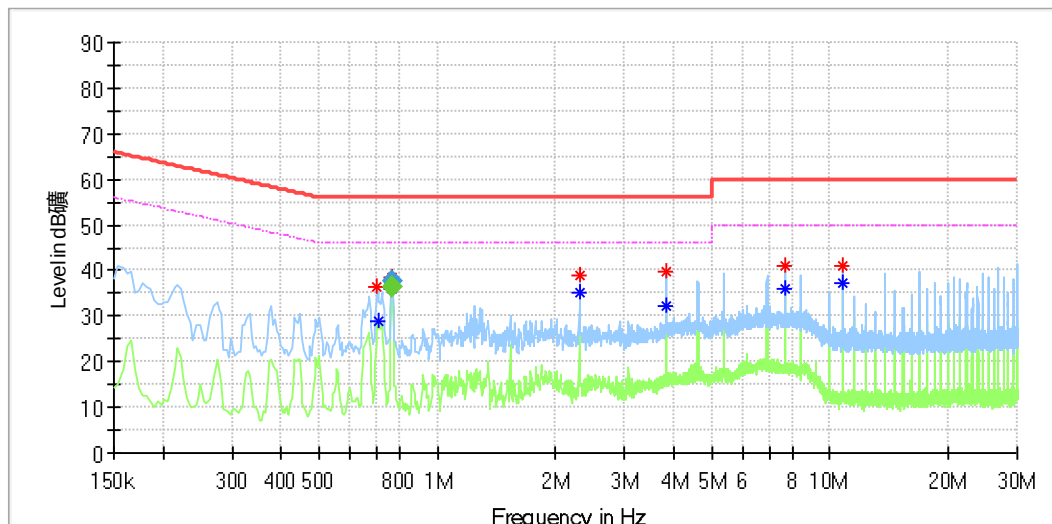
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1.10 Appendix K: Conducted Emissions

Test Report

EUT Information

EUT Name: Rokid Staion
Order Number: 168429121
Model: RES102
Test Mode: Operating mode
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15.207
Test By:/Review By: Charlie Zha / Gary Chen
Tem./Hum./Pressure: 24.3°C/51.6%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.702000	36.29	---	56.00	19.71	L1	10.0
0.706000	---	28.94	46.00	17.06	L1	10.0
0.769500	---	36.08	46.00	9.92	L1	10.0
0.769500	38.56	---	56.00	17.44	L1	10.0
2.306000	---	35.02	46.00	10.98	L1	10.2
2.306000	38.86	---	56.00	17.14	L1	10.2
3.842000	39.67	---	56.00	16.33	L1	10.2
3.842000	---	32.41	46.00	13.59	L1	10.2
7.678000	---	36.15	50.00	13.85	L1	10.3
7.678000	41.17	---	60.00	18.83	L1	10.3
10.754000	---	37.26	50.00	12.74	L1	10.3
10.754000	41.18	---	60.00	18.82	L1	10.3

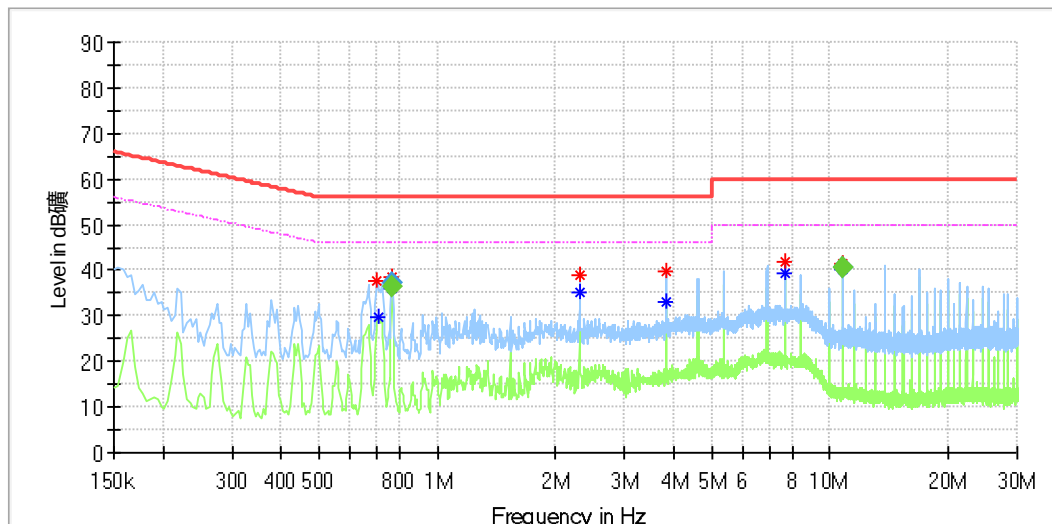
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.769500	---	36.53	46.00	9.47	1000.0	9.000	L1	10.0
0.769500	37.50	---	56.00	18.50	1000.0	9.000	L1	10.0

Test Report

EUT Information

EUT Name: Rokid Staion
Order Number: 168429121
Model: RES102
Test Mode: Operating mode(Wi-Fi+BT5.0, 2.4G+5G)
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15.207
Test By:/Review By: Charlie Zha / Gary Chen
Tem./Hum./Pressure: 24.3°C/51.6%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.702000	37.51	---	56.00	18.49	N	9.8
0.706000	---	29.54	46.00	16.46	N	9.8
0.769500	---	35.81	46.00	10.19	N	9.8
0.769500	38.47	---	56.00	17.53	N	9.8
2.306000	39.04	---	56.00	16.96	N	9.9
2.306000	---	35.10	46.00	10.90	N	9.9
3.842000	---	32.96	46.00	13.04	N	9.9
3.842000	39.93	---	56.00	16.07	N	9.9
7.678000	41.69	---	60.00	18.31	N	10.0
7.682000	---	39.38	50.00	10.62	N	10.0
10.753500	41.36	---	60.00	18.64	N	10.0
10.753500	---	40.27	50.00	9.73	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.769500	---	36.55	46.00	9.45	1000.0	9.000	N	9.8
0.769500	37.44	---	56.00	18.56	1000.0	9.000	N	9.8
10.753500	---	40.66	50.00	9.34	1000.0	9.000	N	10.0
10.753500	40.77	---	60.00	19.23	1000.0	9.000	N	10.0