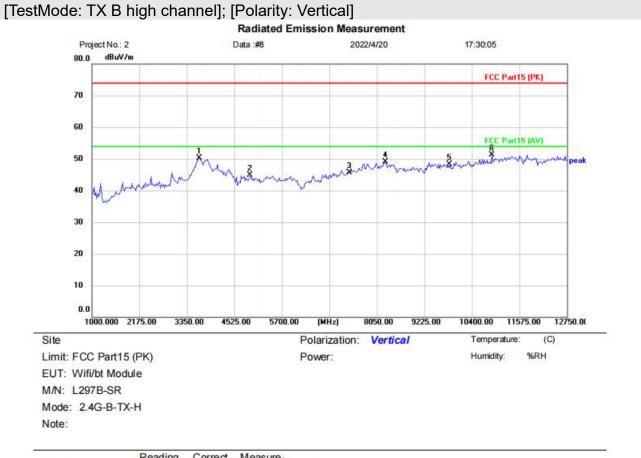


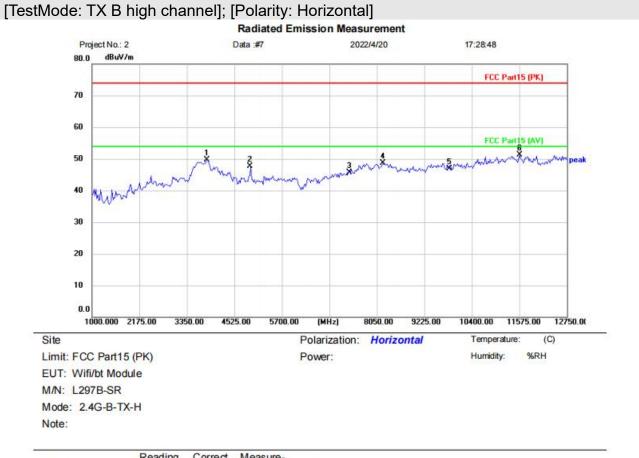
Mk.	Freq.	Level	Factor	ment	Limit	Over			
_	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	3655.500	41.51	7.76	49.27	74.00	-24.73	peak		
	4874.000	39.47	3.39	42.86	74.00	-31.14	peak		
	7311.000	38.32	6.37	44.69	74.00	-29.31	peak		
	8214.500	40.56	8.21	48.77	74.00	-25.23	peak		
	9748.000	37.09	9.59	46.68	74.00	-27.32	peak		
*	11716.000	38.29	11.76	50.05	74.00	-23.95	peak		
		MHz 3655.500 4874.000 7311.000 8214.500 9748.000	Mk. Freq. Level   MHz dBuV   3655.500 41.51   4874.000 39.47   7311.000 38.32   8214.500 40.56   9748.000 37.09	Mk. Freq. Level Factor   MHz dBuV dB/m   3655.500 41.51 7.76   4874.000 39.47 3.39   7311.000 38.32 6.37   8214.500 40.56 8.21   9748.000 37.09 9.59	Mk. Freq. Level Factor ment   MHz dBuV dB/m dBuV/m   3655.500 41.51 7.76 49.27   4874.000 39.47 3.39 42.86   7311.000 38.32 6.37 44.69   8214.500 40.56 8.21 48.77   9748.000 37.09 9.59 46.68	Mk. Freq. Level Factor ment Limit   MHz dBuV dB/m dBuV/m dBuV/m   3655.500 41.51 7.76 49.27 74.00   4874.000 39.47 3.39 42.86 74.00   7311.000 38.32 6.37 44.69 74.00   8214.500 40.56 8.21 48.77 74.00   9748.000 37.09 9.59 46.68 74.00	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB   3655.500 41.51 7.76 49.27 74.00 -24.73   4874.000 39.47 3.39 42.86 74.00 -31.14   7311.000 38.32 6.37 44.69 74.00 -29.31   8214.500 40.56 8.21 48.77 74.00 -25.23   9748.000 37.09 9.59 46.68 74.00 -27.32	Mk. Freq. Level Factor ment Limit Over   MHz dBu// dBu// dBu//m dBu//m dBu//m dBu//m dB Detector   3655.500 41.51 7.76 49.27 74.00 -24.73 peak   4874.000 39.47 3.39 42.86 74.00 -31.14 peak   7311.000 38.32 6.37 44.69 74.00 -29.31 peak   8214.500 40.56 8.21 48.77 74.00 -25.23 peak   9748.000 37.09 9.59 46.68 74.00 -27.32 peak	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB Detector Comment   3655.500 41.51 7.76 49.27 74.00 -24.73 peak   4874.000 39.47 3.39 42.86 74.00 -31.14 peak   7311.000 38.32 6.37 44.69 74.00 -29.31 peak   8214.500 40.56 8.21 48.77 74.00 -25.23 peak   9748.000 37.09 9.59 46.68 74.00 -27.32 peak





Freq.	Level	Factor	Measure- ment	Limit	Over		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
3655.500	42.53	7.76	50.29	74.00	-23.71	peak	
4924.000	41.36	3.46	44.82	74.00	-29.18	peak	
7386.000	39.09	6.68	45.77	74.00	-28.23	peak	
8261.500	40.86	8.23	49.09	74.00	-24.91	peak	
9848.000	38.36	9.88	48.24	74.00	-25.76	peak	
0893.500	39.51	11.87	51.38	74.00	-22.62	peak	
1	0893.500	0893.500 39.51	0893.500 39.51 11.87	0893.500 39.51 11.87 51. <mark>3</mark> 8	0893.500 39.51 11.87 51.38 74.00	0893.500 39.51 11.87 51.38 74.00 -22.62	0893.500 39.51 11.87 51.38 74.00 -22.62 peak





Mk.	Freq.	Level	Factor	ment	Limit	Over			
_	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	3843.500	42.61	7.12	49.73	74.00	-24.27	peak		
	4924.000	44.21	3.46	47.67	74.00	-26.33	peak		
	7386.000	39.10	6.68	45.78	74.00	-28.22	peak		
	8191.000	40.46	8.20	48.66	74.00	-25.34	peak		
	9848.000	37.00	9.88	46.88	74.00	-27.12	peak		
*	11575.000	39.27	12.02	51.29	74.00	-22.71	peak		
		MHz 3843.500 4924.000 7386.000 8191.000	Mk. Freq. Level   MHz dBuV   3843.500 42.61   4924.000 44.21   7386.000 39.10   8191.000 40.46   9848.000 37.00	Mk. Freq. Level Factor   MHz dBuV dB/m   3843.500 42.61 7.12   4924.000 44.21 3.46   7386.000 39.10 6.68   8191.000 40.46 8.20   9848.000 37.00 9.88	Mk. Freq. Level Factor ment   MHz dBuV dB/m dBuV/m   3843.500 42.61 7.12 49.73   4924.000 44.21 3.46 47.67   7386.000 39.10 6.68 45.78   8191.000 40.46 8.20 48.66   9848.000 37.00 9.88 46.88	Mk. Freq. Level Factor ment Limit   MHz dBuV dB/m dBuV/m dBuV/m   3843.500 42.61 7.12 49.73 74.00   4924.000 44.21 3.46 47.67 74.00   7386.000 39.10 6.68 45.78 74.00   8191.000 40.46 8.20 48.66 74.00   9848.000 37.00 9.88 46.88 74.00	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB   3843.500 42.61 7.12 49.73 74.00 -24.27   4924.000 44.21 3.46 47.67 74.00 -26.33   7386.000 39.10 6.68 45.78 74.00 -28.22   8191.000 40.46 8.20 48.66 74.00 -25.34   9848.000 37.00 9.88 46.88 74.00 -27.12	Mk. Freq. Level Factor ment Limit Over   MHz dBu/ dB/m dBu//m dBu//m dBu//m dB Detector   3843.500 42.61 7.12 49.73 74.00 -24.27 peak   4924.000 44.21 3.46 47.67 74.00 -26.33 peak   7386.000 39.10 6.68 45.78 74.00 -28.22 peak   8191.000 40.46 8.20 48.66 74.00 -25.34 peak   9848.000 37.00 9.88 46.88 74.00 -27.12 peak	Mk. Freq. Level Factor ment Limit Over   MHz dBu// dB/m dBu//m dBu//m dB Detector Comment   3843.500 42.61 7.12 49.73 74.00 -24.27 peak   4924.000 44.21 3.46 47.67 74.00 -26.33 peak   7386.000 39.10 6.68 45.78 74.00 -28.22 peak   8191.000 40.46 8.20 48.66 74.00 -25.34 peak   9848.000 37.00 9.88 46.88 74.00 -27.12 peak



# **13 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS**

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.10.5
Test Mode (Pre-Scan)	ТХ
Test Mode (Final Test)	ТХ
Tester	Jozu
Temperature	25°C
Humidity	60%

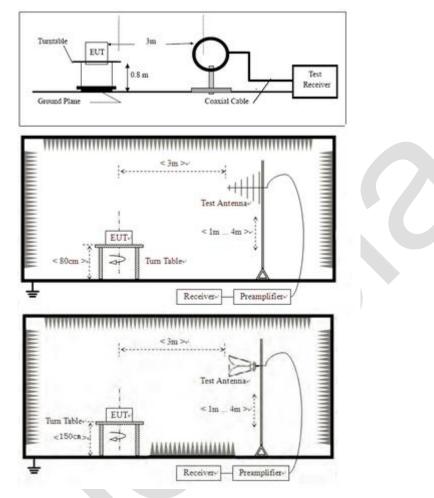
#### 13.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



#### 13.2 BLOCK DIAGRAM OF TEST SETUP



#### 13.3 PROCEDURE

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

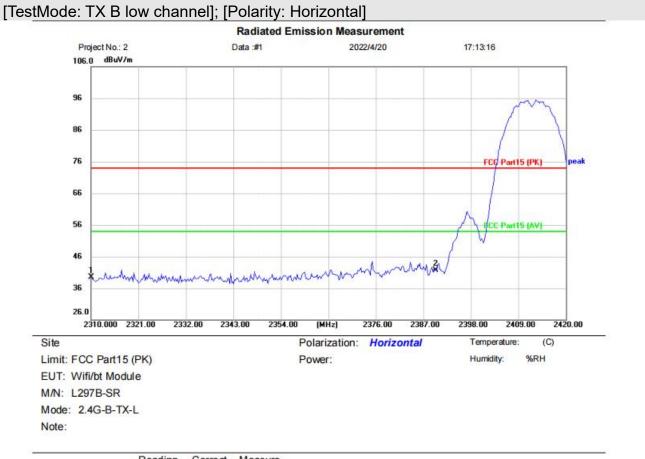
j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

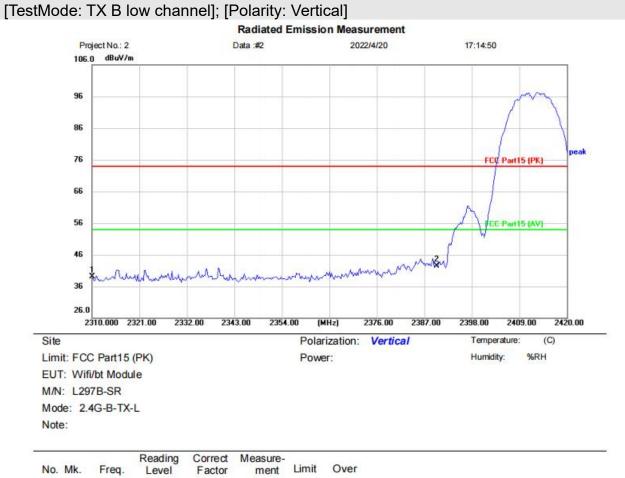


### 13.4 TEST DATA



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	43.45	-3.93	39.52	74.00	-34.48	peak		
2	*	2390.000	45.21	-3.58	41.63	74.00	-32.37	peak		

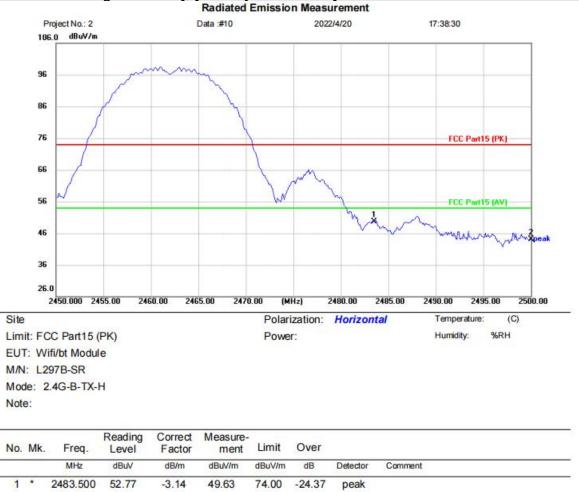




No.	Mk.	Freq.	Level	Factor	ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	43.12	-3.93	39.19	74.00	-34.81	peak		
2	*	2390.000	46.16	-3.58	42.58	74.00	-31.42	peak		



## [TestMode: TX B high channel]; [Polarity: Horizontal]



### **Test Result: Pass**

2500.000

2

47.25

-3.08

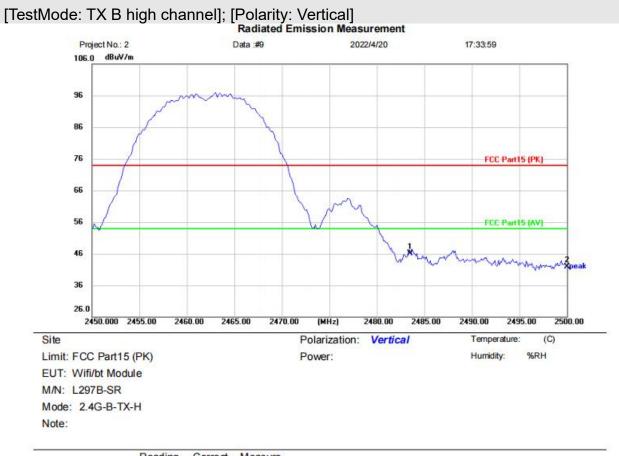
44.17

74.00

-29.83

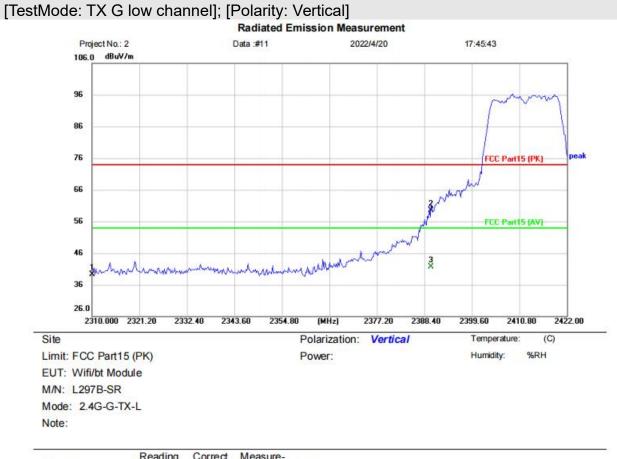
peak





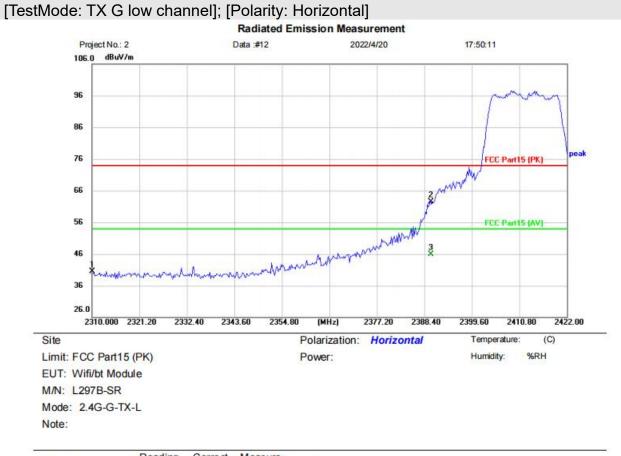
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2483.500	49.21	-3.14	46.07	74.00	-27.93	peak		
2		2500.000	45.08	-3.08	42.00	74.00	-32.00	peak		





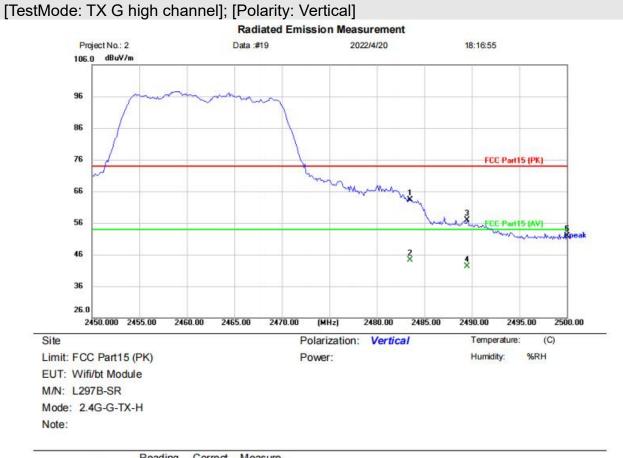
No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	43.33	-3.93	39.40	74.00	-34.60	peak		
2		2390.000	63.11	-3.58	59.53	74.00	-14.47	peak		
3	*	2390.000	45.36	-3.58	41.78	54.00	-12.22	AVG		





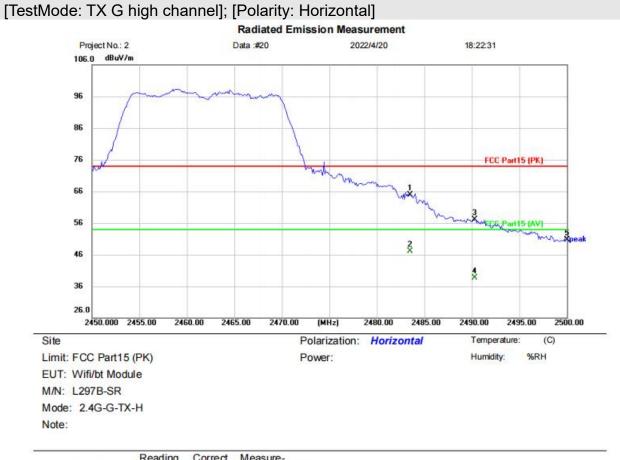
٨k.	Freq.	Level	Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	2310.000	44.46	-3.93	40.53	74.00	-33.47	peak		
	2390.000	66.14	-3.58	62.56	74.00	-11.44	peak		
8	2390.000	49.48	-3.58	45.90	54.00	-8.10	AVG		
		MHz 2310.000 2390.000	MHz dBuV   2310.000 44.46   2390.000 66.14	Ik. Freq. Level Factor   MHz dBuV dB/m   2310.000 44.46 -3.93   2390.000 66.14 -3.58	Ik. Freq. Level Factor ment   MHz dBuV dB/m dBuV/m   2310.000 44.46 -3.93 40.53   2390.000 66.14 -3.58 62.56	Ik. Freq. Level Factor ment Limit   MHz dBuV dB/m dBuV/m dBuV/m   2310.000 44.46 -3.93 40.53 74.00   2390.000 66.14 -3.58 62.56 74.00	Ik. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB   2310.000 44.46 -3.93 40.53 74.00 -33.47   2390.000 66.14 -3.58 62.56 74.00 -11.44	Ik. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB Detector   2310.000 44.46 -3.93 40.53 74.00 -33.47 peak   2390.000 66.14 -3.58 62.56 74.00 -11.44 peak	Ik. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB Detector Comment   2310.000 44.46 -3.93 40.53 74.00 -33.47 peak   2390.000 66.14 -3.58 62.56 74.00 -11.44 peak





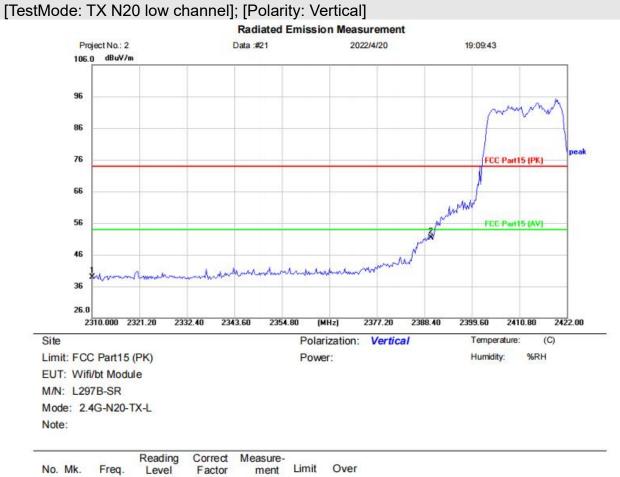
Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	2483.500	66.52	-3.14	63.38	74.00	-10.62	peak		
*	2483.500	47.35	-3.14	44.21	54.00	-9.79	AVG		
	2489.500	60.01	-3.12	56.89	74.00	-17.11	peak		
	2489.500	45.45	-3.12	42.33	54.00	-11.67	AVG		
	2500.000	54.94	-3.08	51.86	74.00	-22.14	peak		
		MHz 2483.500 * 2483.500 2489.500 2489.500	MHz dBuV   2483.500 66.52   * 2483.500 47.35   2489.500 60.01   2489.500 45.45	Mk. Freq. Level Factor   MHz dBuV dB/m   2483.500 66.52 -3.14   * 2483.500 47.35 -3.14   2489.500 60.01 -3.12   2489.500 45.45 -3.12	Mk. Freq. Level Factor ment   MHz dBuV dB/m dBuV/m   2483.500 66.52 -3.14 63.38   * 2483.500 47.35 -3.14 44.21   2489.500 60.01 -3.12 56.89   2489.500 45.45 -3.12 42.33	Mk. Freq. Level Factor ment Limit   MHz dBuV dB/m dBuV/m dBuV/m   2483.500 66.52 -3.14 63.38 74.00   * 2483.500 47.35 -3.14 44.21 54.00   2489.500 60.01 -3.12 56.89 74.00   2489.500 45.45 -3.12 42.33 54.00	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB   2483.500 66.52 -3.14 63.38 74.00 -10.62   * 2483.500 47.35 -3.14 44.21 54.00 -9.79   2489.500 60.01 -3.12 56.89 74.00 -17.11   2489.500 45.45 -3.12 42.33 54.00 -11.67	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB Detector   2483.500 66.52 -3.14 63.38 74.00 -10.62 peak   * 2483.500 47.35 -3.14 44.21 54.00 -9.79 AVG   2489.500 60.01 -3.12 56.89 74.00 -17.11 peak   2489.500 45.45 -3.12 42.33 54.00 -11.67 AVG	Mk. Freq. Level Factor ment Limit Over   MHz dBuV dB/m dBuV/m dBuV/m dB Detector Comment   2483.500 66.52 -3.14 63.38 74.00 -10.62 peak   * 2483.500 47.35 -3.14 44.21 54.00 -9.79 AVG   2489.500 60.01 -3.12 56.89 74.00 -17.11 peak   2489.500 45.45 -3.12 42.33 54.00 -11.67 AVG





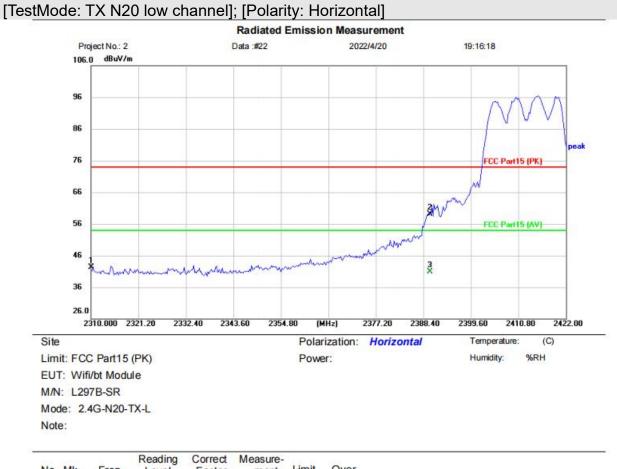
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2483.500	68.06	-3.14	64.92	74.00	-9.08	peak		
2	*	2483.500	50.33	-3.14	47.19	54.00	- <mark>6.8</mark> 1	AVG		
3		2490.300	60.29	-3.11	57.18	74.00	-16.82	peak		
4		2490.300	41.85	-3.11	38.74	54.00	-15.26	AVG		
5		2500.000	53.81	-3.08	50.73	74.00	-23.27	peak		





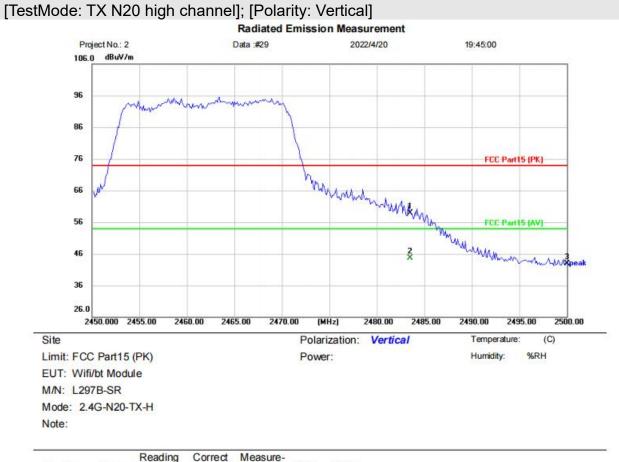
No.	Mk.	Freq.	Level	Factor	ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	42.84	-3.93	38. <mark>9</mark> 1	74.00	-35.09	peak		
2	*	2390.000	54.78	-3.58	51.20	74.00	-22.80	peak		





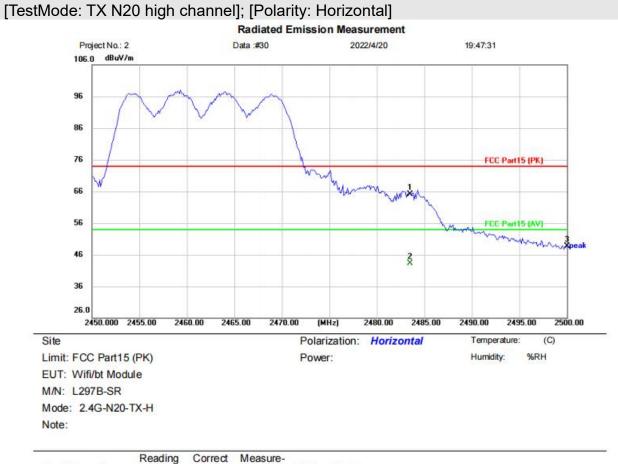
Mk.	Freq.	Level	Factor	ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	2310.000	46.27	-3.93	42.34	74.00	-31.66	peak		
	2390.000	62.62	-3.58	59.04	74.00	-14.96	peak		
*	2390.000	44.45	-3.58	40.87	54.00	-13.13	AVG		
		MHz 2310.000 2390.000	MHz dBuV 2310.000 46.27 2390.000 62.62	MHz dBuV dB/m   2310.000 46.27 -3.93   2390.000 62.62 -3.58	MHz dBuV dB/m dBuV/m   2310.000 46.27 -3.93 42.34   2390.000 62.62 -3.58 59.04	MHz dBuV dB/m dBuV/m dBuV/m   2310.000 46.27 -3.93 42.34 74.00   2390.000 62.62 -3.58 59.04 74.00	MHz dBuV dB/m dBuV/m dBuV/m dB   2310.000 46.27 -3.93 42.34 74.00 -31.66   2390.000 62.62 -3.58 59.04 74.00 -14.96	MHz dBuV dB/m dBuV/m dBuV/m dB Detector   2310.000 46.27 -3.93 42.34 74.00 -31.66 peak   2390.000 62.62 -3.58 59.04 74.00 -14.96 peak	MHz dBuV dB/m dBuV/m dBuV/m dB Detector Comment   2310.000 46.27 -3.93 42.34 74.00 -31.66 peak   2390.000 62.62 -3.58 59.04 74.00 -14.96 peak





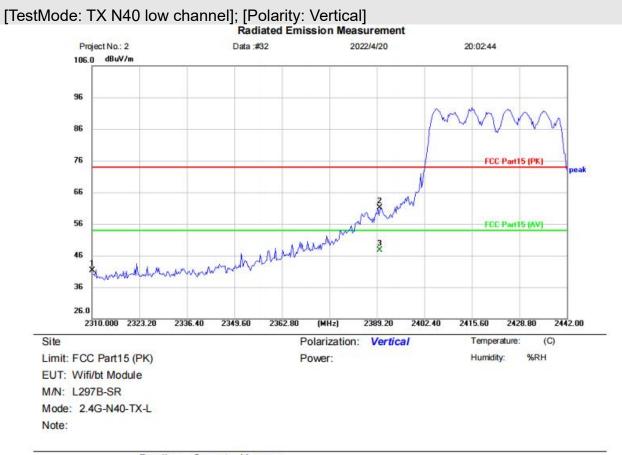
No.	Mk.	Freq.	Level	Factor	ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2483.500	61.98	-3.14	58.84	74.00	-15.16	peak		
2	*	2483.500	47.80	-3.14	44.66	54.00	-9.34	AVG		
3		2500.000	45.96	-3.08	42.88	74.00	-31.12	peak		





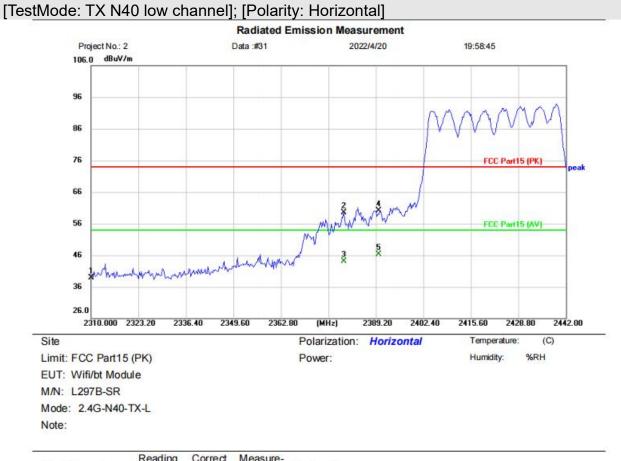
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment		Over			
-	_	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2483.500	68.27	-3.14	65.13	74.00	-8.87	peak		
2		2483.500	46.39	-3.14	43.25	54.00	-10.75	AVG		
3		2500.000	51.72	-3.08	48.64	74.00	-25.36	peak		





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	45.30	-3.93	41.37	74.00	-32.63	peak		
2		2390.000	64.70	-3.58	61.12	74.00	-12.88	peak		
3	*	2390.000	51.30	-3.58	47.72	54.00	-6.28	AVG		





No.	Mk.	Freq.	Level	Factor	ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	42.93	-3.93	39.00	74.00	-35.00	peak		
2	-	2380.224	63.04	-3.63	59.41	74.00	-14.59	peak		
3		2380.224	47.75	-3.63	44.12	54.00	-9.88	AVG		
4		2390.000	63.60	-3.58	60.02	74.00	-13.98	peak		
5	*	2390.000	49.90	-3.58	46.32	54.00	-7.68	AVG		
		the part of the states	1.000		54 5 C 1 C	2001-2002-2002-2002-2002-2002-2002-2002	101111222145	100000 00000 000		