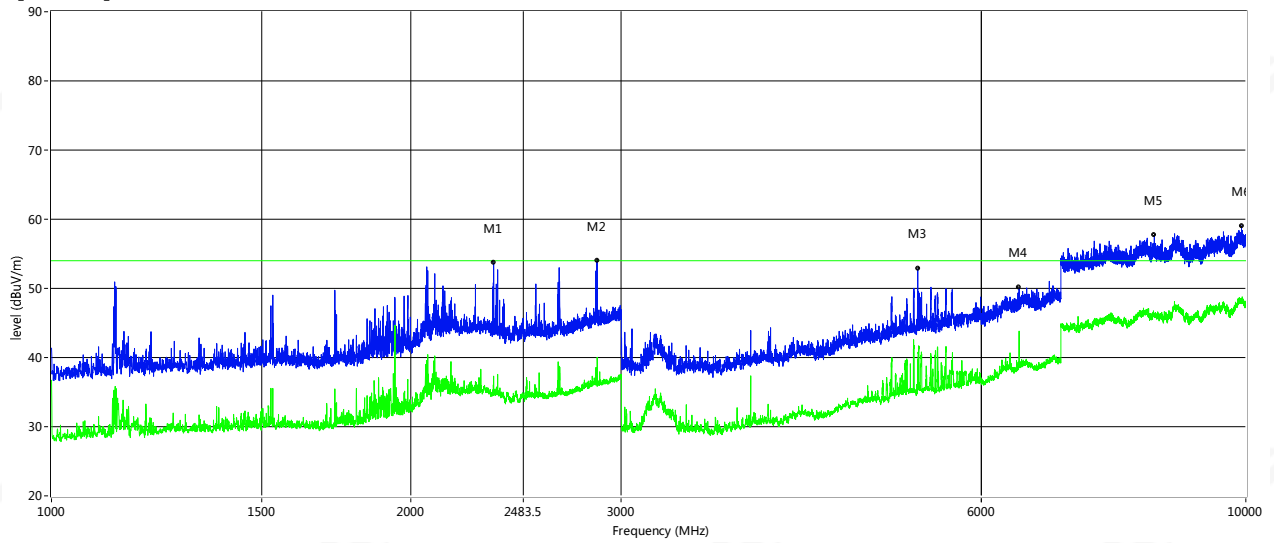




Vertical

RE_FCC Test Case_FCC 15C 1GHz-10GHz



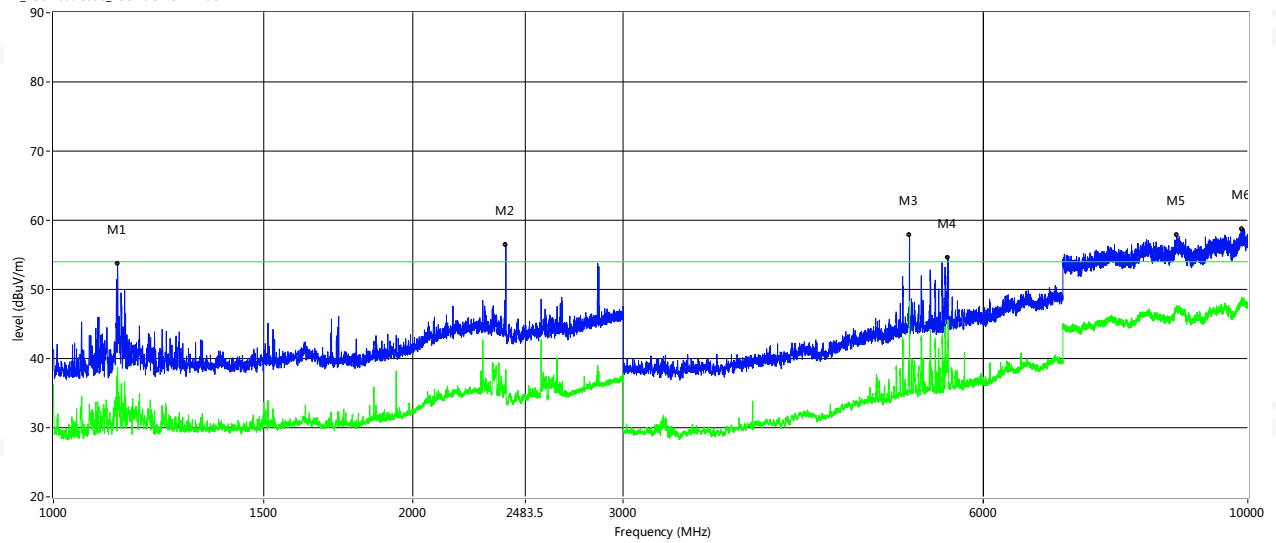
Frequency (MHz)	Peak Level (dBuV /m)	Average Level (dBuV /m)	Factor (dB)	PK Limit (dBuV /m)	AV Limit (dBuV /m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2345.000	53.70	37.31	4.40	74.0	54.0	-16.69	180.80	100	Vertical	Pass
2864.000	54.03	39.55	5.61	74.0	54.0	-14.45	182.30	100	Vertical	Pass
5312.000	52.80	39.75	-4.98	74.0	54.0	-14.25	218.50	100	Vertical	Pass
6459.000	50.09	43.83	-0.76	74.0	54.0	-10.17	28.50	100	Vertical	Pass
8382.250	57.64	46.12	4.26	74.0	54.0	-7.88	20.80	100	Vertical	Pass
9917.500	59.06	48.48	6.21	74.0	54.0	-5.52	0.90	100	Vertical	Pass



927.25MHz

Horizontal

RE_FCC Test Case_FCC 15C 1GHz-10GHz

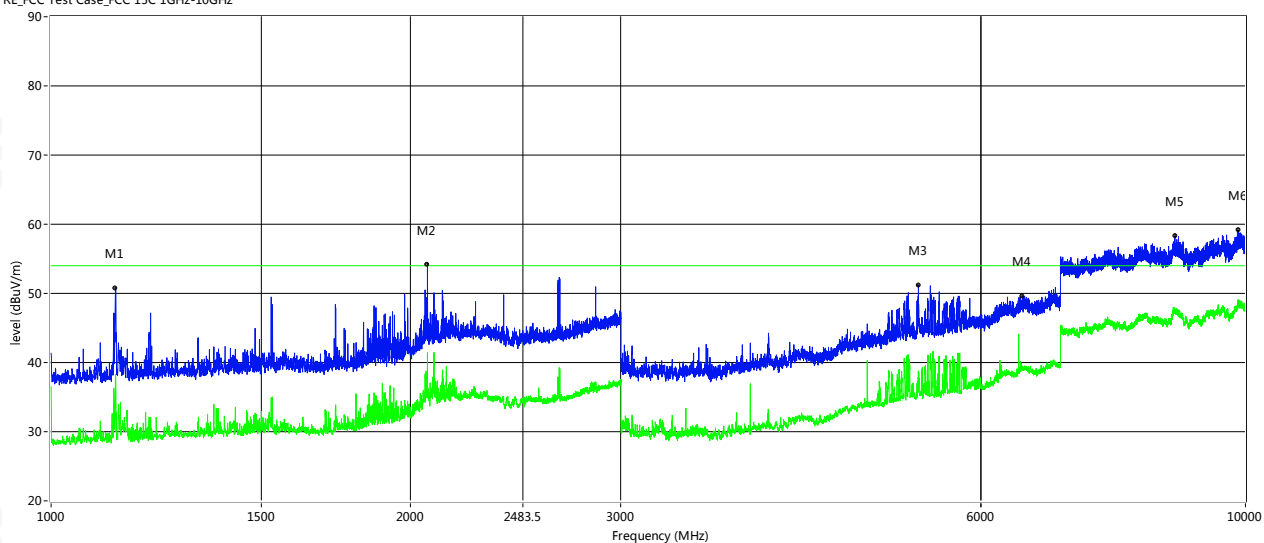


Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
1131.500	53.69	38.75	-1.42	74.0	54.0	-15.25	196.20	100	Horizontal	Pass
2392.000	56.38	38.42	4.03	74.0	54.0	-15.58	348.50	100	Horizontal	Pass
5209.000	57.81	46.96	-4.89	74.0	54.0	-7.04	134.70	100	Horizontal	Pass
5609.000	54.61	45.63	-4.07	74.0	54.0	-8.37	295.70	100	Horizontal	Pass
8717.500	57.80	47.30	5.11	74.0	54.0	-6.70	251.50	100	Horizontal	Pass
9895.000	58.70	48.05	6.42	74.0	54.0	-5.95	360.00	100	Horizontal	Pass



Vertical

RE_FCC Test Case_FCC 15C 1GHz-10GHz



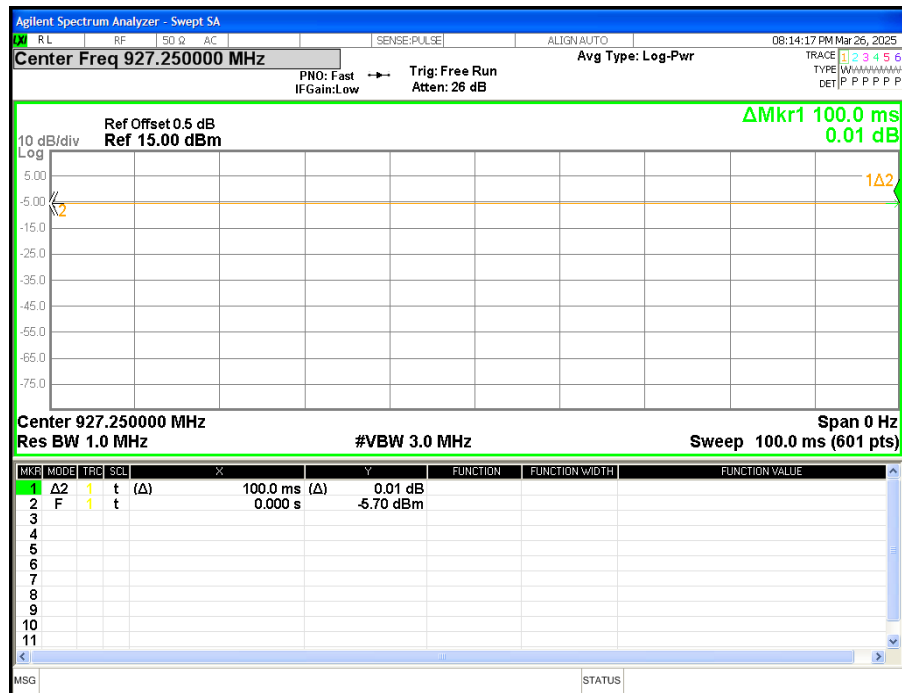
Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
1132.500	50.66	37.80	-1.42	74.0	54.0	-16.20	254.40	100	Vertical	Pass
2066.000	54.18	41.41	3.13	74.0	54.0	-12.59	115.40	100	Vertical	Pass
5324.000	51.14	37.74	-4.95	74.0	54.0	-16.26	209.50	100	Vertical	Pass
6506.000	49.62	39.18	-0.40	74.0	54.0	-14.82	356.90	100	Vertical	Pass
8728.001	58.33	47.58	5.07	74.0	54.0	-6.42	184.40	100	Vertical	Pass
9867.250	59.10	48.37	6.35	74.0	54.0	-5.63	231.20	100	Vertical	Pass

Remark :

1. All Antenna port have been tested,only show the worst case



Duty cycle

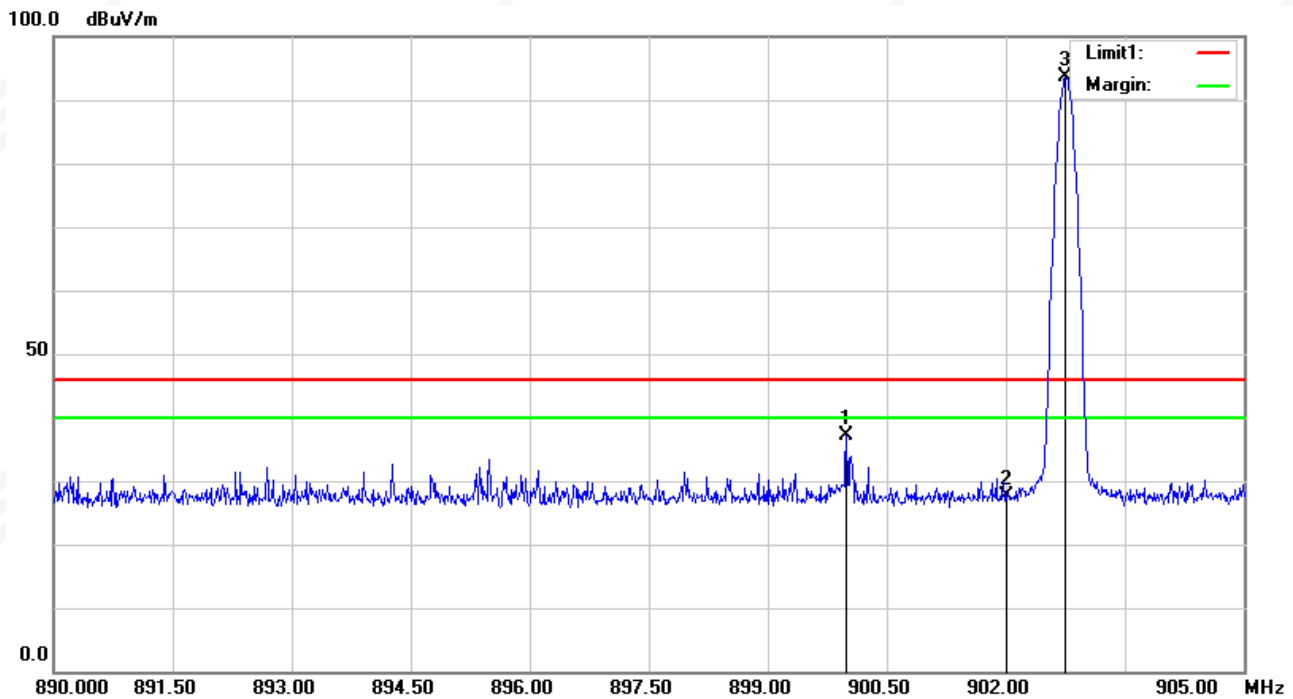


Ton (ms)	Tp (ms)	Duty cycle(%)	Duty Factor
100	100	100.00%	0.00

Note: Duty Factor= $20 \times \text{LOG}_{10}(1/(\text{Ton}/\text{Tp}))$



(Radiation Band edge)

902.75MHz
Horizontal

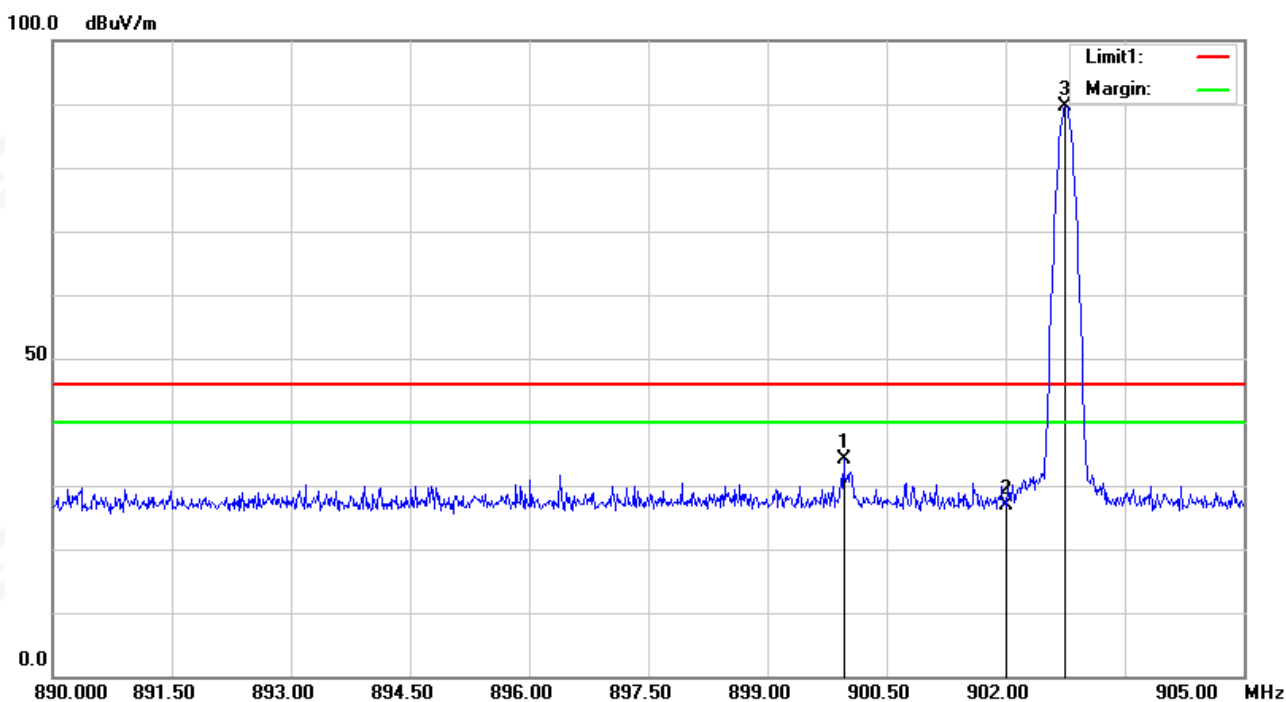
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	899.9900	37.53	-0.45	37.08	46.00	-8.92	peak
2	902.0000	27.91	-0.40	27.51	46.00	-18.49	peak

Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
3	902.7500	93.93	-0.38	-	93.55	94	-0.45	QP



Vertical



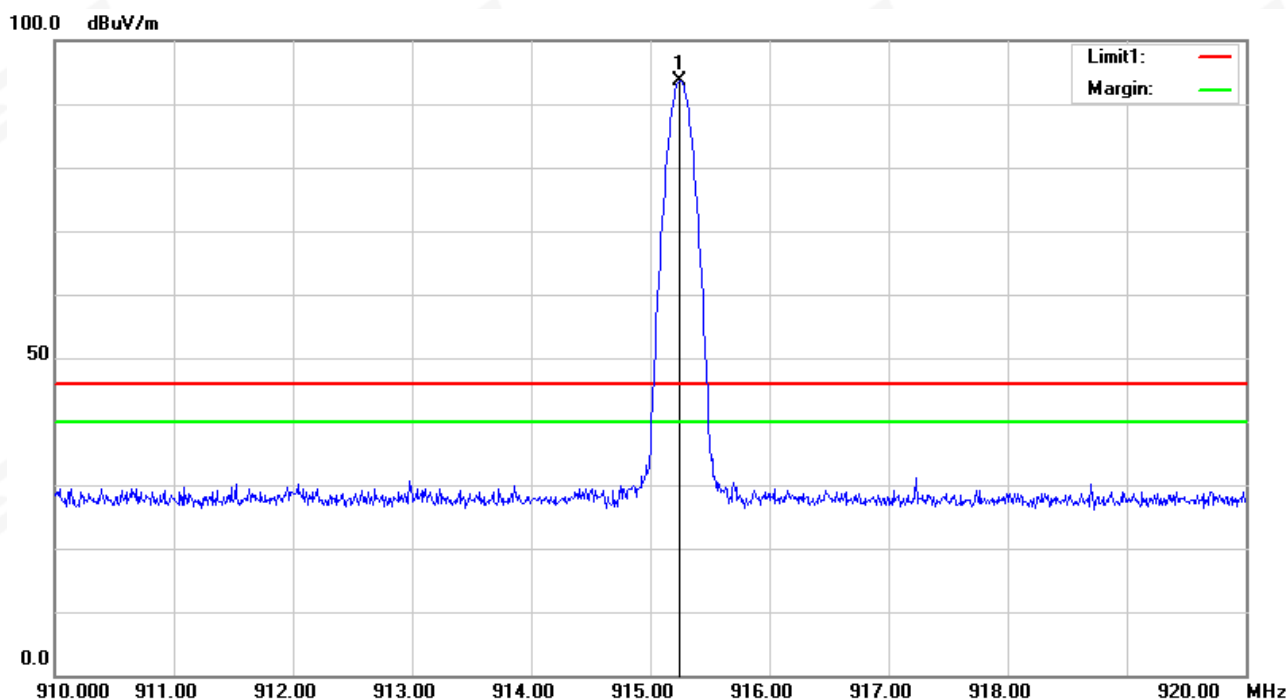
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	899.9600	34.51	-0.45	34.06	46.00	-11.94	peak
2	902.0000	27.40	-0.40	27.00	46.00	-19.00	peak

Fundamental Frequency

No.	Frequency	Reading	Correct	Duty cycle	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
3	902.7500	90.00	-0.38	-	89.62	94	-4.38	QP



915.25MHz
Horizontal

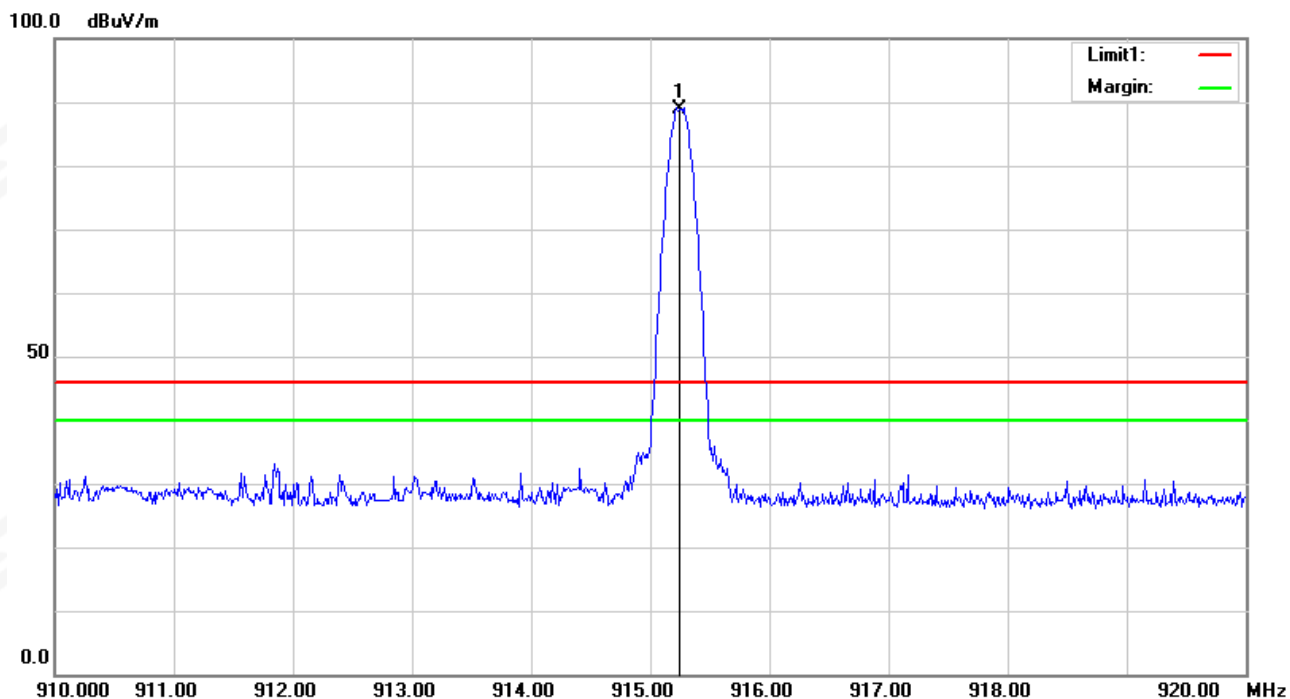


Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	915.2500	93.82	-0.10	-	93.72	94	-0.28	QP



Vertical



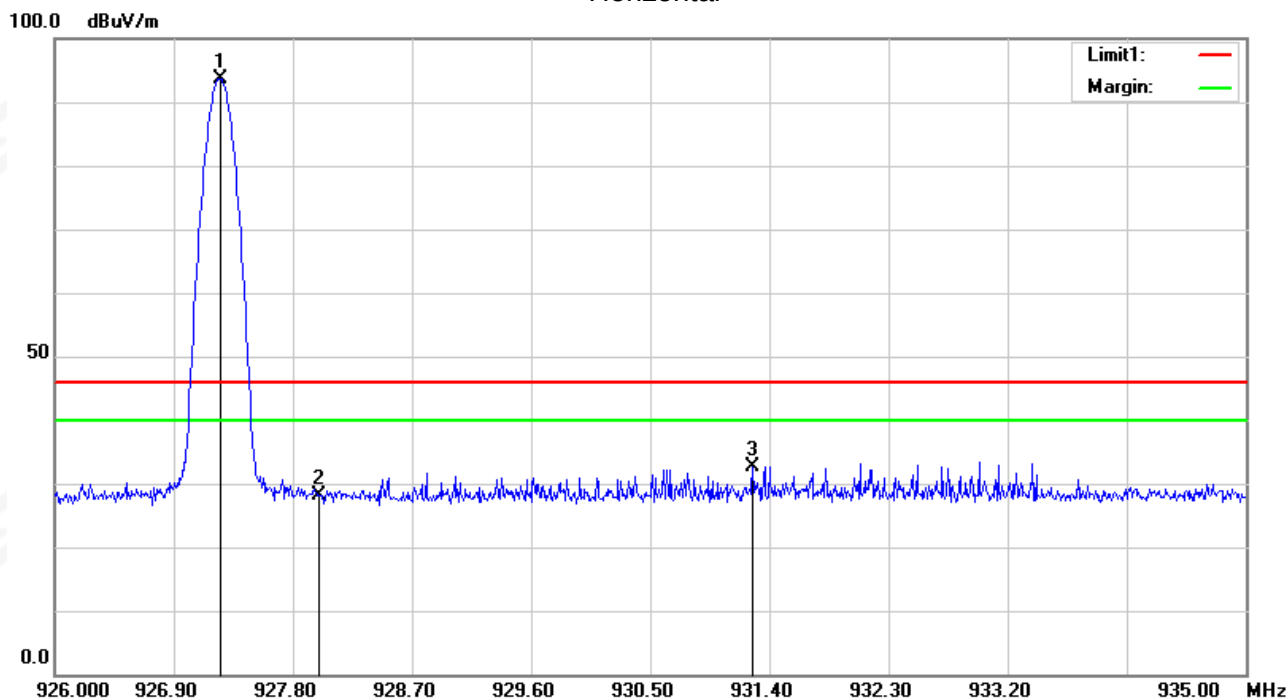
Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	915.2500	89.04	-0.10	-	88.94	94	-5.06	QP



927.25MHz

Horizontal



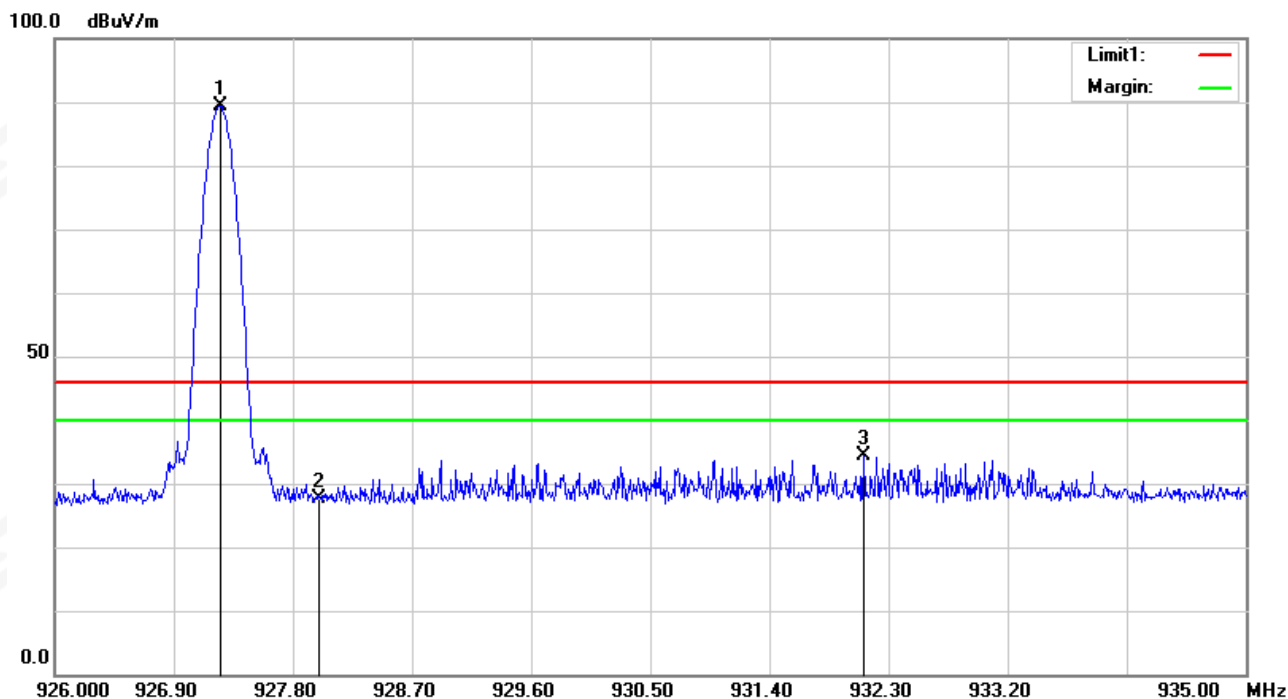
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2	928.0000	27.70	0.43	28.13	46.00	-17.87	peak
3	931.2740	31.92	0.65	32.57	46.00	-13.43	peak

Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	927.2500	93.28	0.39	-	93.67	94	-0.33	QP



Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2	928.0000	27.20	0.43	27.63	46.00	-18.37	peak
3	932.1110	33.66	0.72	34.38	46.00	-11.62	peak

Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	927.2500	88.90	0.39	-	89.29	94	-4.71	QP



4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting : RBW= 1% to 5% OBW, VBW $\geq$ RBW, Sweep time = Auto.

4.2 TEST SETUP



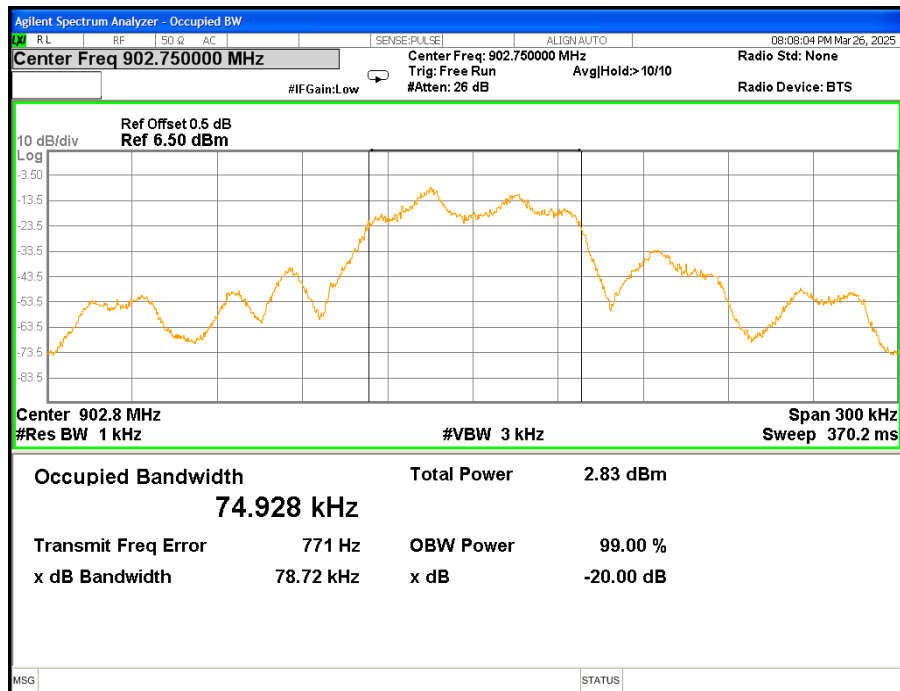
4.3 EUT OPERATION CONDITIONS TX mode.



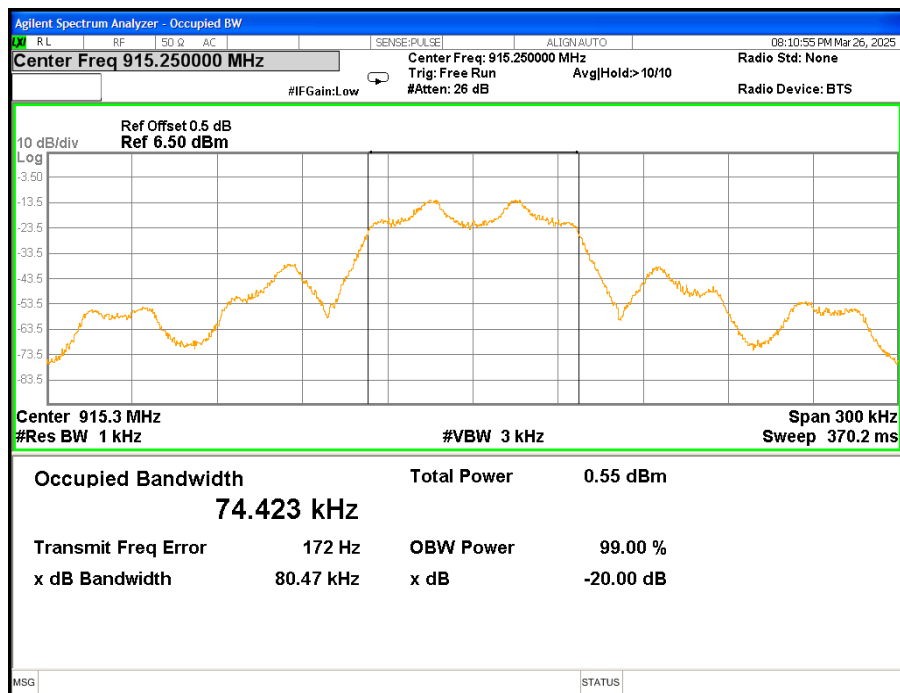
4.4 TEST RESULTS

Test Channel	Frequency(MHz)	20 dB Bandwidth(KHz)
CH01	902.75	78.72
CH26	915.25	80.47
CH50	927.25	79

CH01



CH26





CH50

