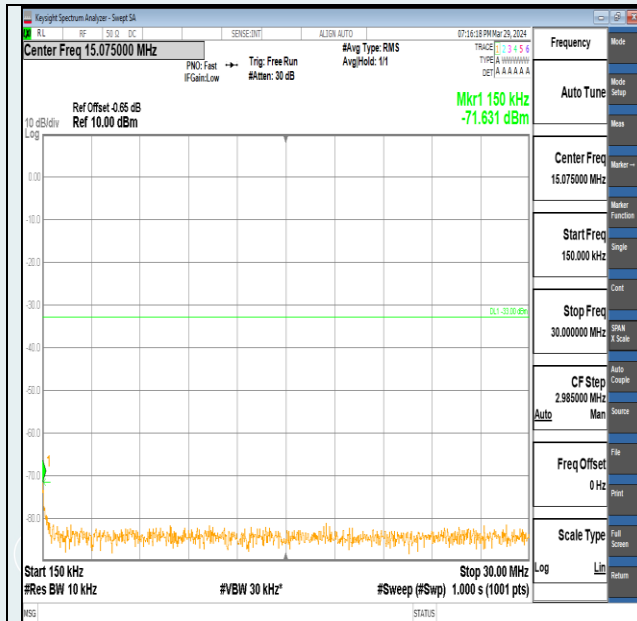
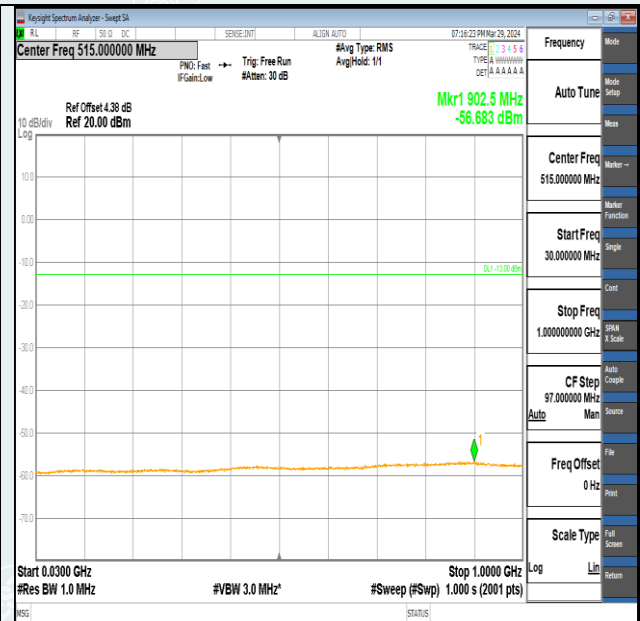
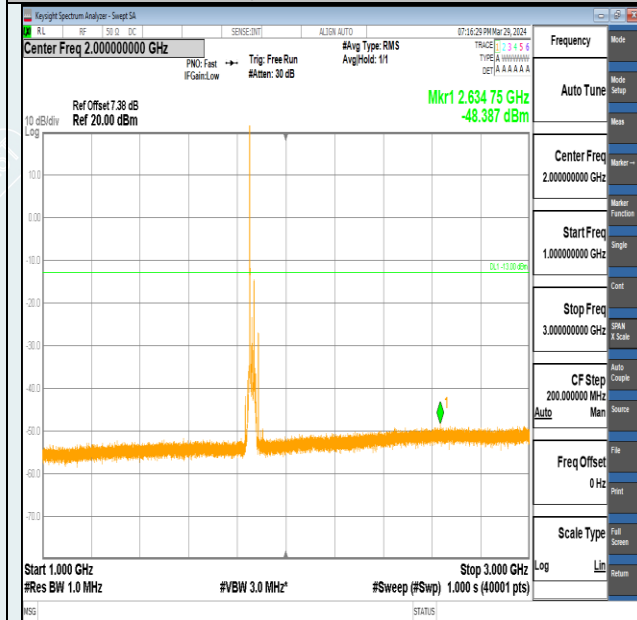




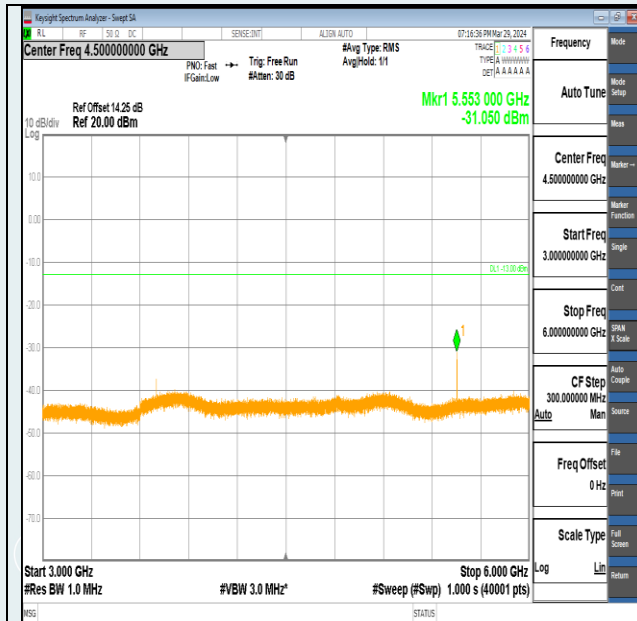
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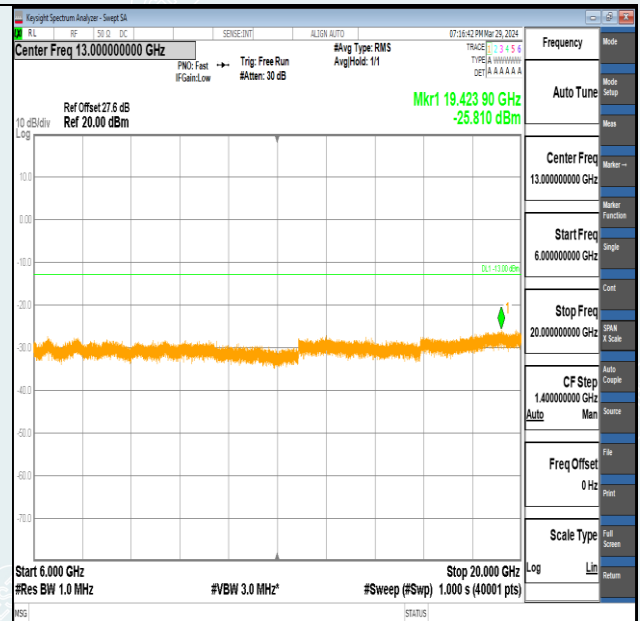
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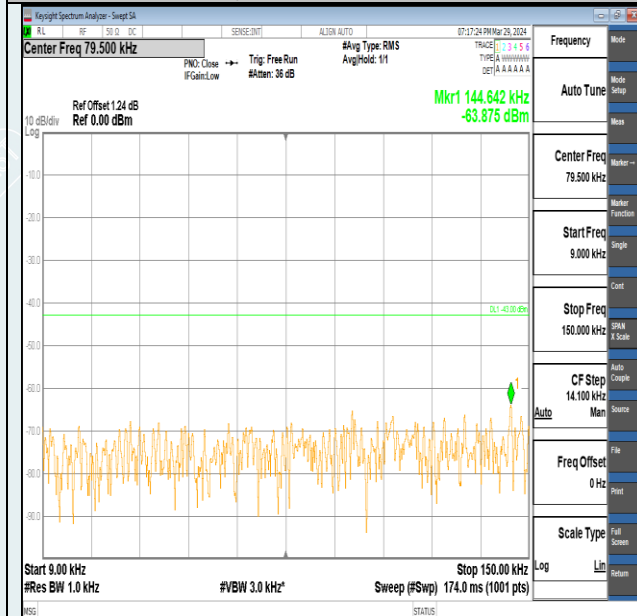
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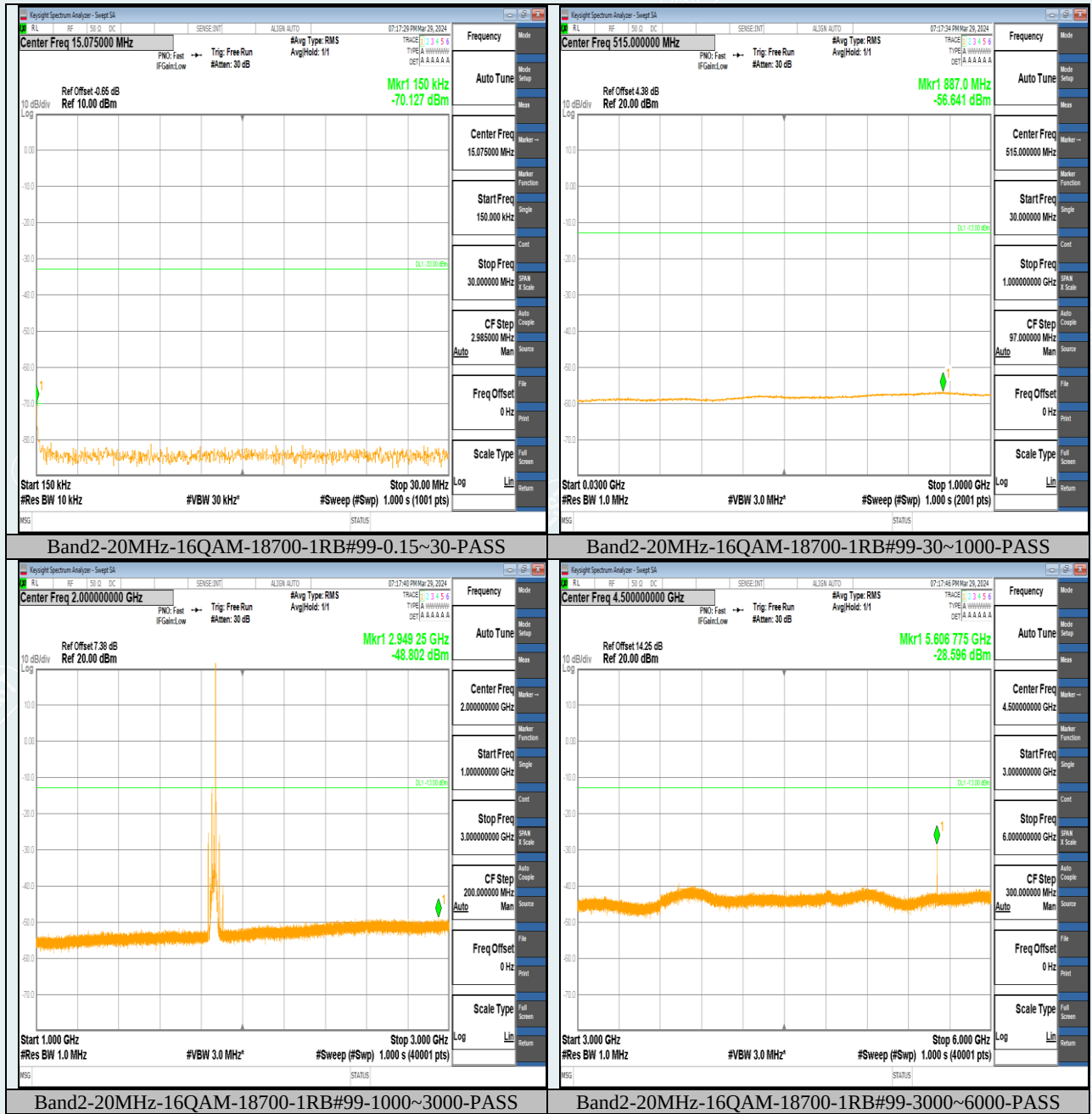
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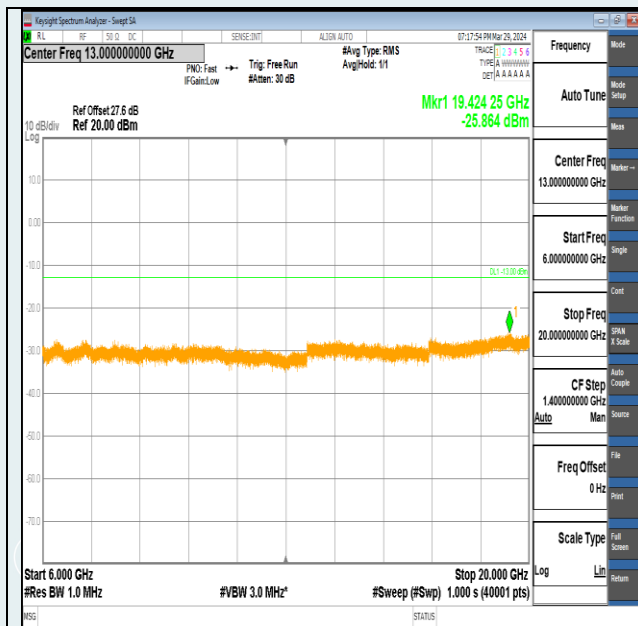


Band2-20MHz-16QAM-18700-1RB#0-6000~20000-PASS

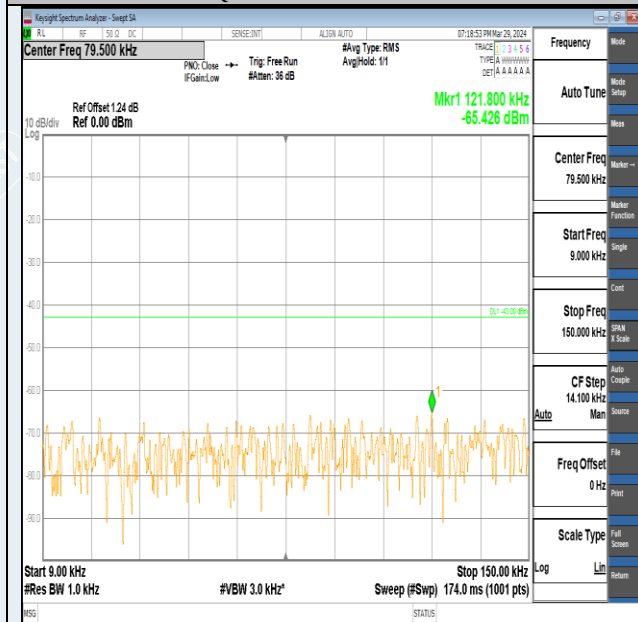


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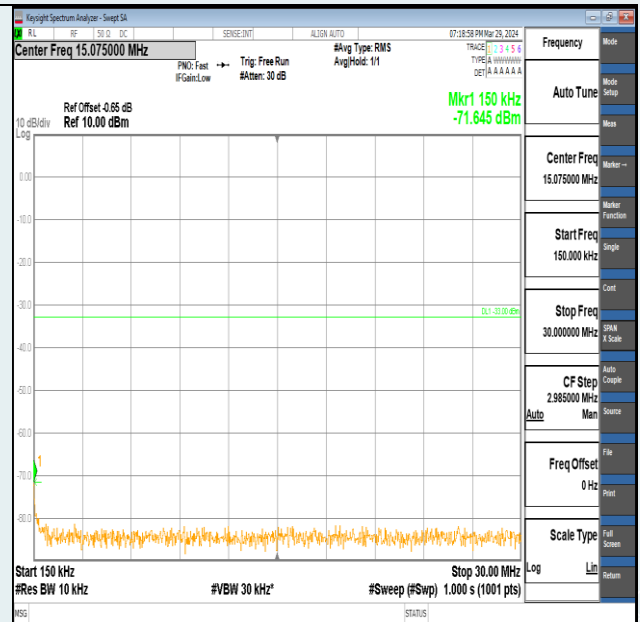




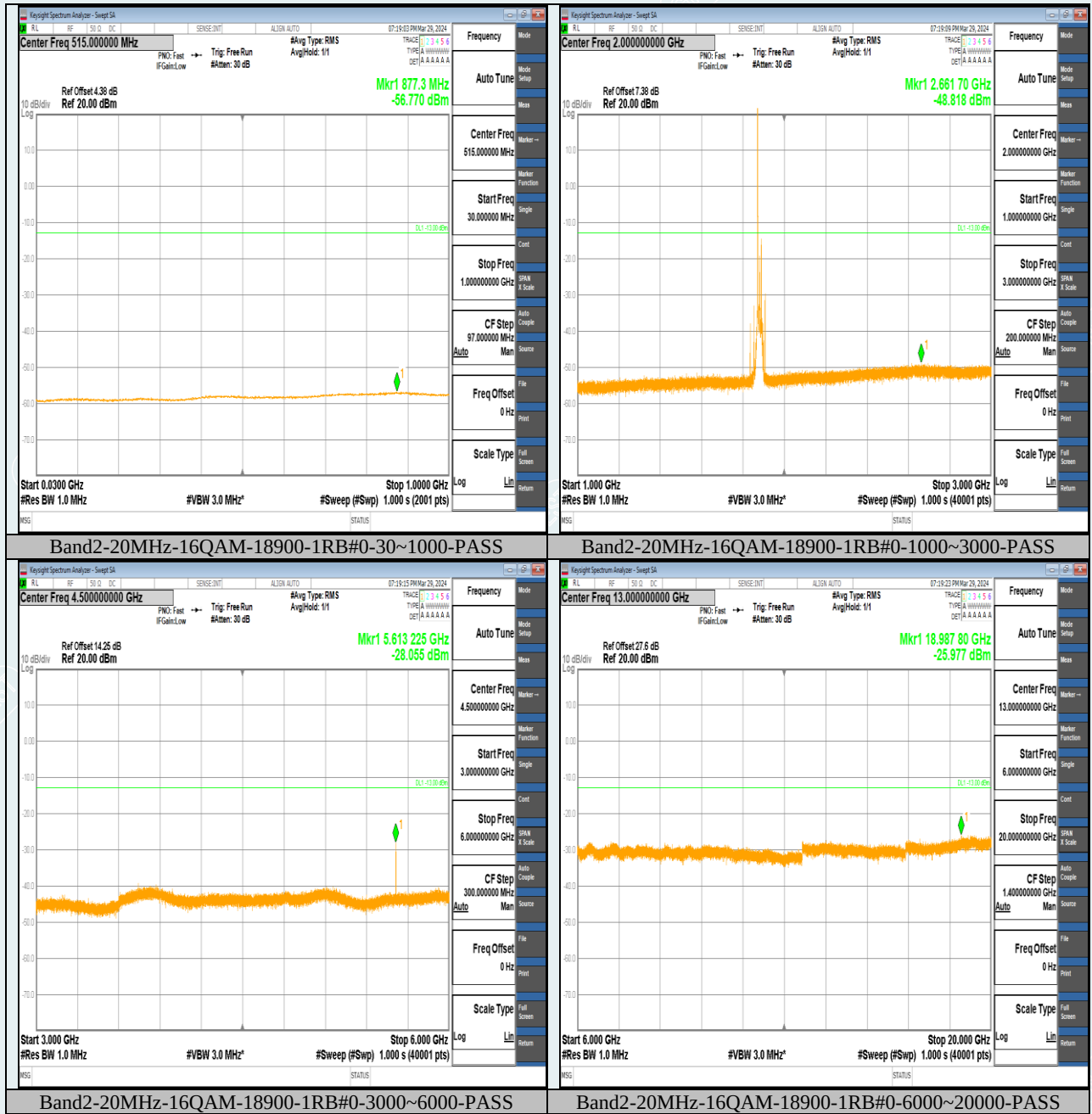
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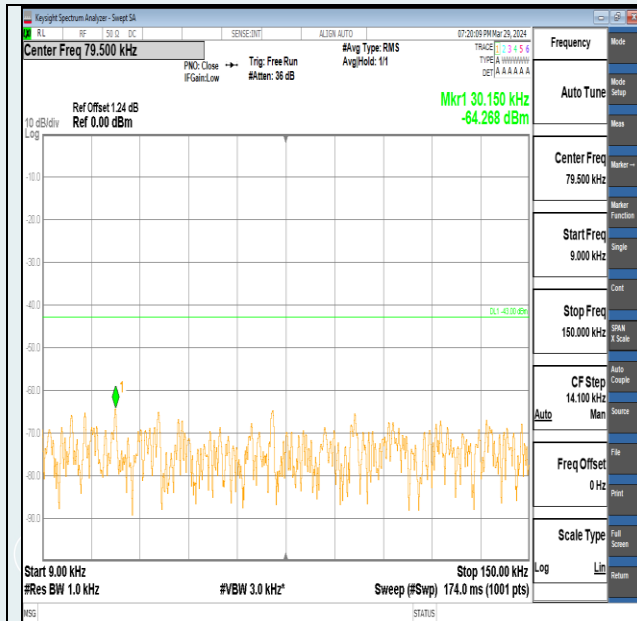


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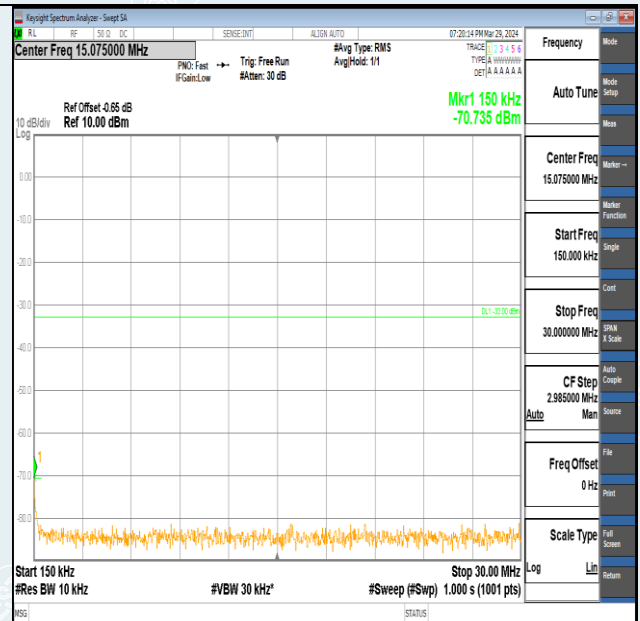


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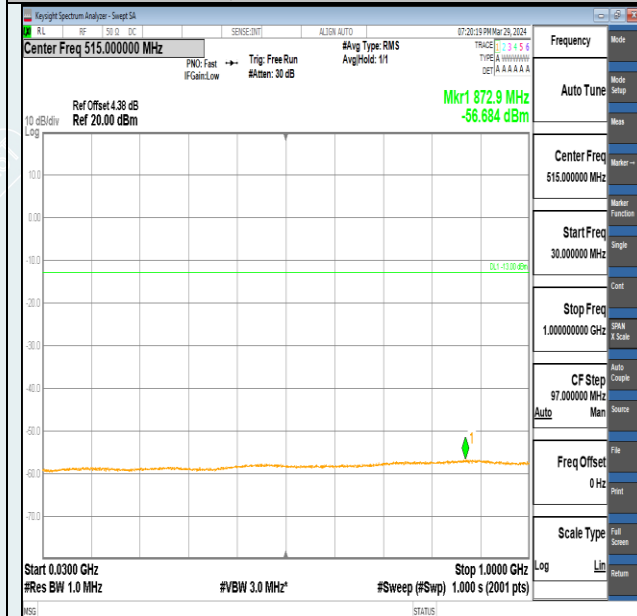




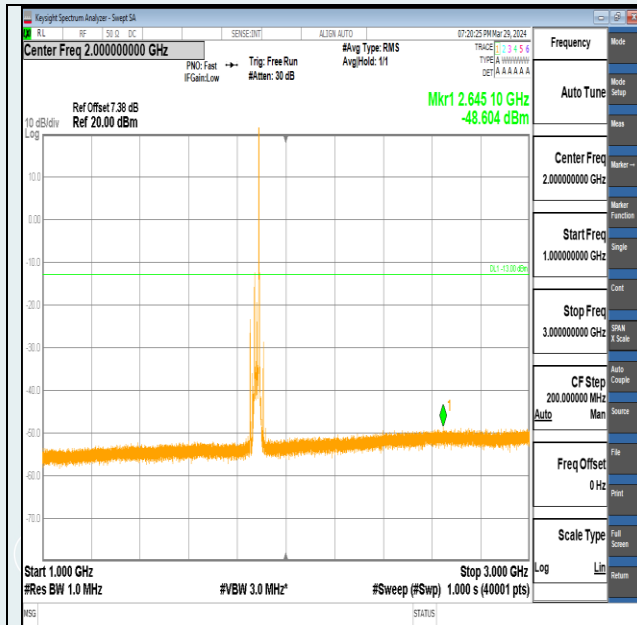
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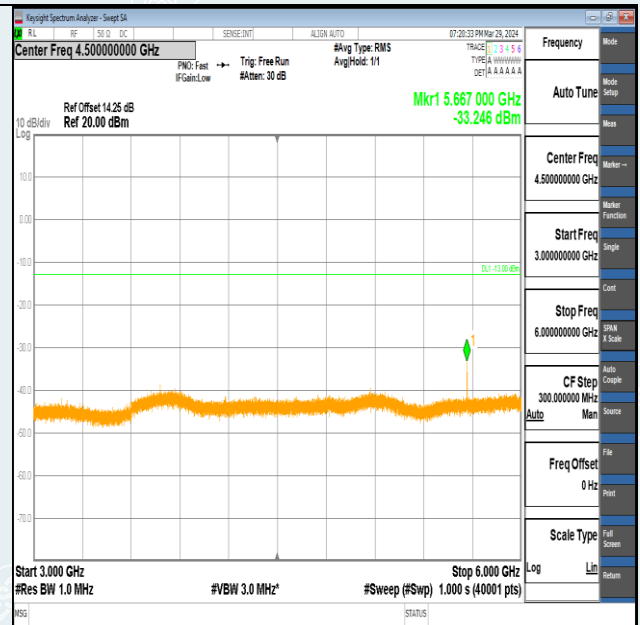
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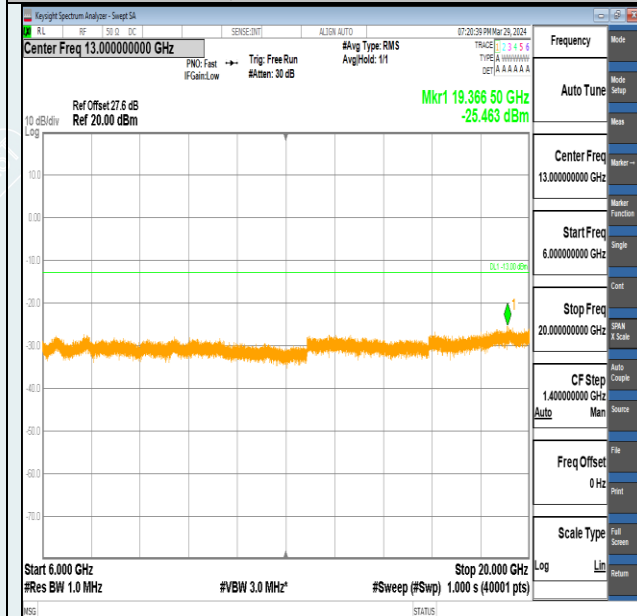
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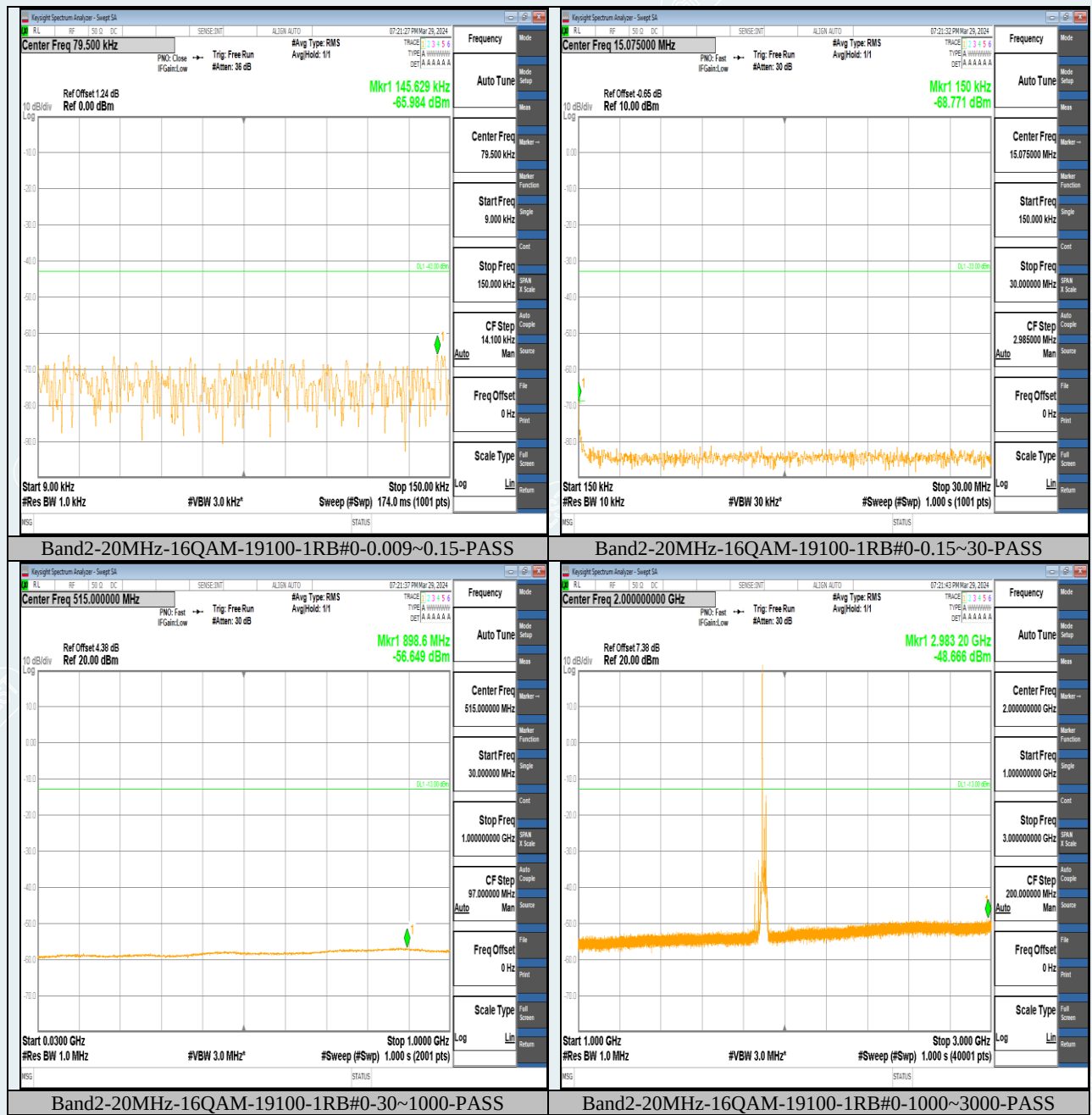
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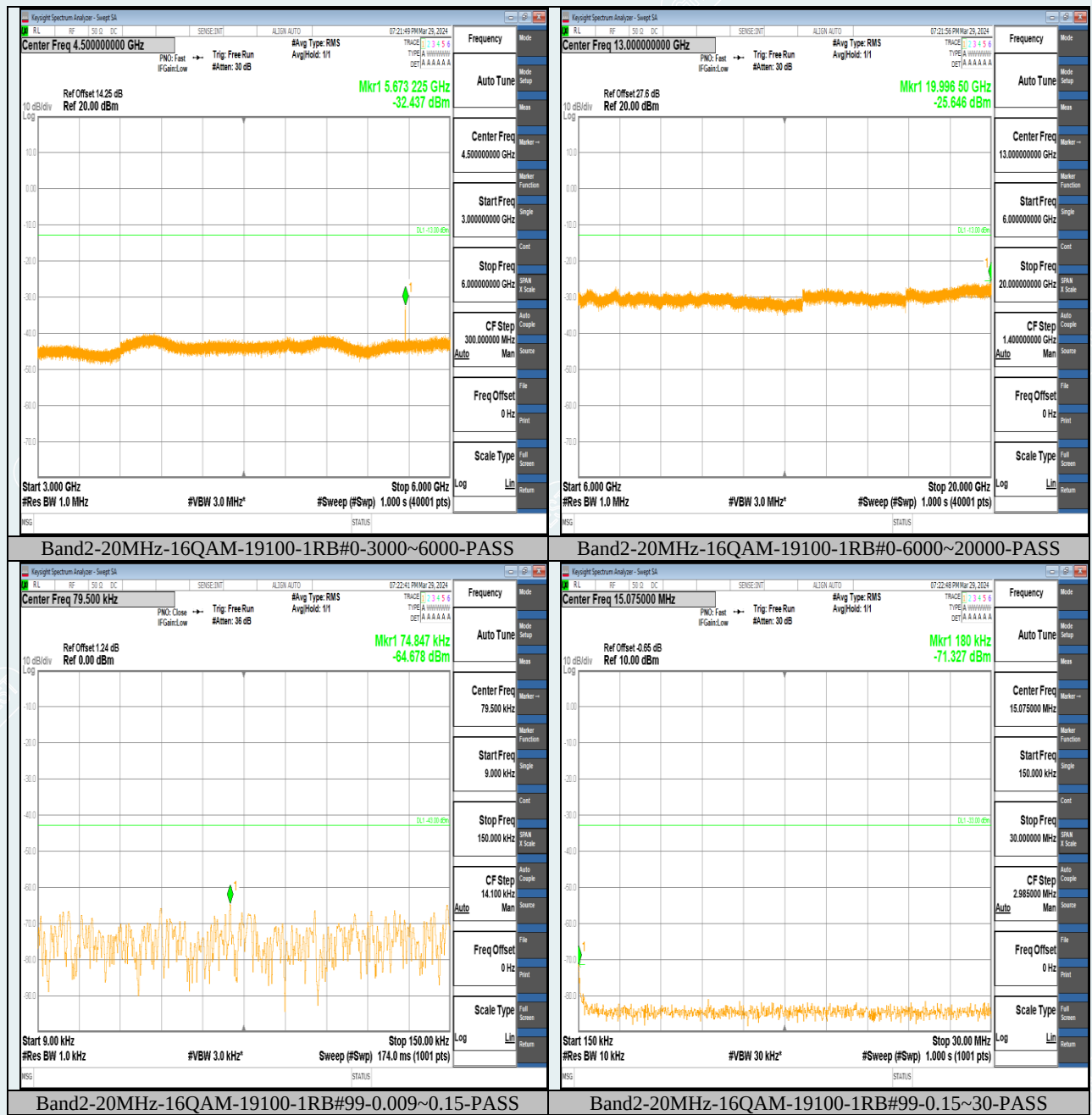


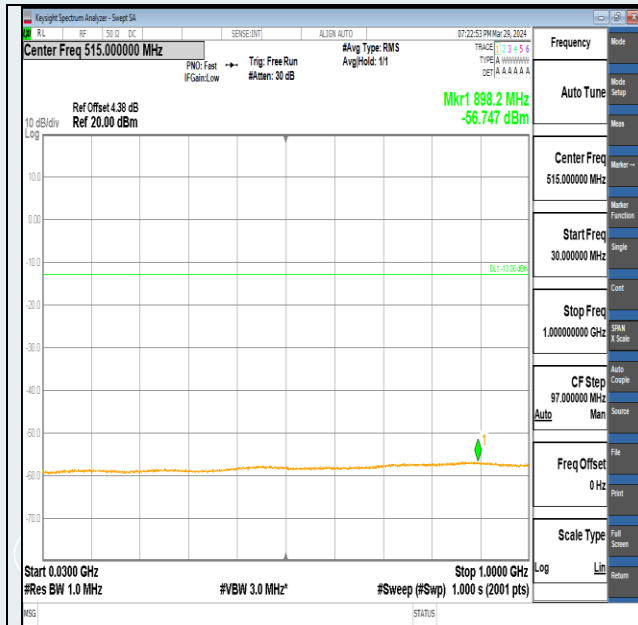
Band2-20MHz-16QAM-18900-1RB#99-3000~6000-PASS



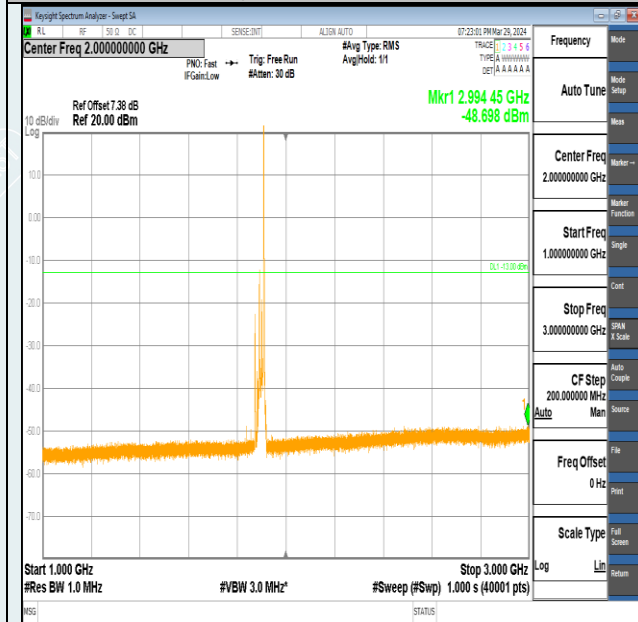
Band2-20MHz-16QAM-18900-1RB#99-6000~20000-PASS



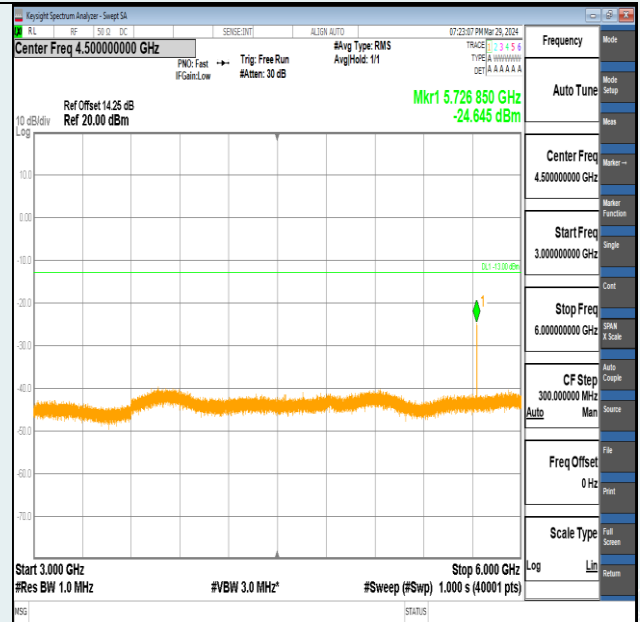




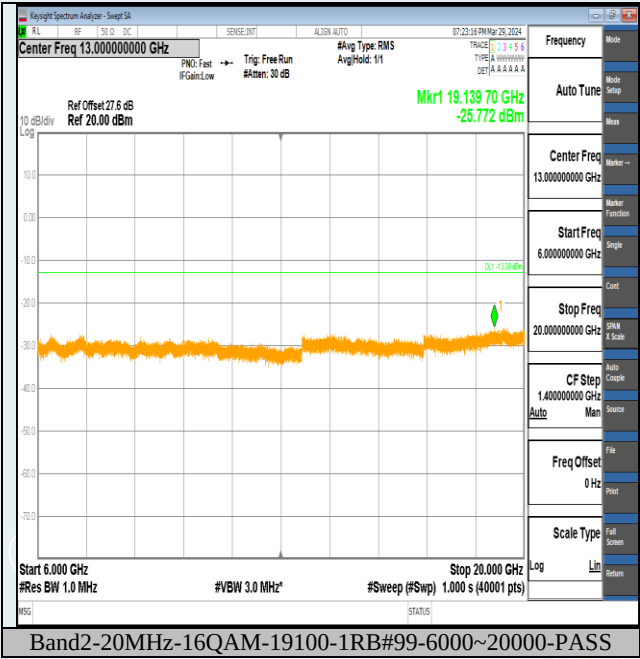
Band2-20MHz-16QAM-19100-1RB#99-30~1000-PASS



Band2-20MHz-16QAM-19100-1RB#99-1000~3000-PASS



Band2-20MHz-16QAM-19100-1RB#99-3000~6000-PASS



----- The following blanks -----

11. FREQUENCY STABILITY

11.1 LIMIT

According to FCC section 24.235, The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

11.2 TEST PROCEDURES

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 9

Frequency stability over variations in temperature

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power off, temperature was decreased to -20°C and EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power off, the temperature was risen in -20°C step up to 50°C . The EUT was stabilizes at each step for at least half an hour at. Power was applied the maximum frequency change was recorded within one minute.

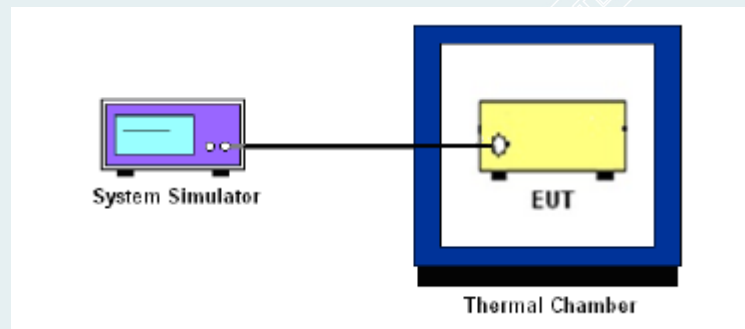
Frequency stability when varying supply voltage

1. The EUT was placed in a temperature chamber at $20 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment..
3. For hand carried battery powered equipment, reduce the primary AC or DC supply voltage to the battery operating end point, which shall be specified by the manufacturer.
4. In the worst case, frequency changes are measured.

Test Settings

N/A

11.3 TEST SETUP



----- The following blanks -----

11.4 TEST RESULTS

EUT Name	Pet Tracker	Model	M200d
Sample No.	E202403143863-0002	Test Mode	LTE B2
Power supply	LV:DC 3.3V, NV:DC 3.85V, HV:DC 4.4V	Environmental Conditions	Temp:-20℃~+70℃; Humi:42%RH
Test Date	2024-03-27 to 2024-03-30	Test Site	/
Tested By	Zhu rongting	Reviewed by	Zhao Zetian

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	VN	NT	-34.19	-0.018474	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	VL	NT	-30.74	-0.016610	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	VH	NT	-16.55	-0.008943	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VN	NT	-33.80	-0.017979	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VL	NT	-23.19	-0.012335	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VH	NT	-17.31	-0.009207	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VN	NT	-23.67	-0.012397	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VL	NT	17.60	0.009218	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VH	NT	-15.94	-0.008349	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VN	NT	15.49	0.008370	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VL	NT	-23.57	-0.012736	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VH	NT	14.66	0.007921	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VN	NT	13.23	0.007037	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VL	NT	15.44	0.008213	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VH	NT	17.19	0.009144	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VN	NT	-33.66	-0.017629	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VL	NT	-32.06	-0.016791	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VH	NT	-26.84	-0.014058	±2.5	PASS
Band2	3MHz	QPSK	18615	15RB#0	VN	NT	-32.11	-0.017343	±2.5	PASS
Band2	3MHz	QPSK	18615	15RB#0	VL	NT	-34.93	-0.018866	±2.5	PASS
Band2	3MHz	QPSK	18615	15RB#0	VH	NT	-34.85	-0.018823	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VN	NT	-29.70	-0.015798	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VL	NT	-11.93	-0.006346	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VH	NT	-31.90	-0.016968	±2.5	PASS
Band2	3MHz	QPSK	19185	15RB#0	VN	NT	-27.18	-0.014242	±2.5	PASS
Band2	3MHz	QPSK	19185	15RB#0	VL	NT	-29.57	-0.015494	±2.5	PASS
Band2	3MHz	QPSK	19185	15RB#0	VH	NT	-11.09	-0.005811	±2.5	PASS
Band2	3MHz	16QAM	18615	15RB#0	VN	NT	-32.06	-0.017316	±2.5	PASS
Band2	3MHz	16QAM	18615	15RB#0	VL	NT	-24.81	-0.013400	±2.5	PASS
Band2	3MHz	16QAM	18615	15RB#0	VH	NT	-30.57	-0.016511	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VN	NT	-30.77	-0.016367	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VL	NT	14.32	0.007617	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VH	NT	-15.16	-0.008064	±2.5	PASS
Band2	3MHz	16QAM	19185	15RB#0	VN	NT	-20.50	-0.010741	±2.5	PASS
Band2	3MHz	16QAM	19185	15RB#0	VL	NT	-25.41	-0.013314	±2.5	PASS
Band2	3MHz	16QAM	19185	15RB#0	VH	NT	23.56	0.012345	±2.5	PASS
Band2	5MHz	QPSK	18625	25RB#0	VN	NT	-27.82	-0.015018	±2.5	PASS
Band2	5MHz	QPSK	18625	25RB#0	VL	NT	-25.88	-0.013970	±2.5	PASS
Band2	5MHz	QPSK	18625	25RB#0	VH	NT	-17.50	-0.009447	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VN	NT	-26.55	-0.014122	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VL	NT	-29.73	-0.015814	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VH	NT	-30.27	-0.016101	±2.5	PASS
Band2	5MHz	QPSK	19175	25RB#0	VN	NT	-29.07	-0.015240	±2.5	PASS

Band2	5MHz	QPSK	19175	25RB#0	VL	NT	-26.79	-0.014045	±2.5	PASS
Band2	5MHz	QPSK	19175	25RB#0	VH	NT	-39.95	-0.020944	±2.5	PASS
Band2	5MHz	16QAM	18625	25RB#0	VN	NT	-31.93	-0.017236	±2.5	PASS
Band2	5MHz	16QAM	18625	25RB#0	VL	NT	-32.84	-0.017727	±2.5	PASS
Band2	5MHz	16QAM	18625	25RB#0	VH	NT	-14.66	-0.007914	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VN	NT	-29.97	-0.015941	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VL	NT	-24.20	-0.012872	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VH	NT	-29.65	-0.015771	±2.5	PASS
Band2	5MHz	16QAM	19175	25RB#0	VN	NT	-27.68	-0.014511	±2.5	PASS
Band2	5MHz	16QAM	19175	25RB#0	VL	NT	-12.17	-0.006380	±2.5	PASS
Band2	5MHz	16QAM	19175	25RB#0	VH	NT	24.22	0.012697	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	VN	NT	-34.98	-0.018857	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	VL	NT	-14.96	-0.008065	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	VH	NT	-15.02	-0.008097	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VN	NT	-25.03	-0.013314	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VL	NT	-19.50	-0.010372	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VH	NT	22.76	0.012106	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VN	NT	-38.25	-0.020079	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VL	NT	16.95	0.008898	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VH	NT	20.70	0.010866	±2.5	PASS
Band2	15MHz	QPSK	18675	75RB#0	VN	NT	21.84	0.011758	±2.5	PASS
Band2	15MHz	QPSK	18675	75RB#0	VL	NT	26.58	0.014310	±2.5	PASS
Band2	15MHz	QPSK	18675	75RB#0	VH	NT	-27.82	-0.014977	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VN	NT	-28.12	-0.014957	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VL	NT	-21.72	-0.011553	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VH	NT	-34.79	-0.018505	±2.5	PASS
Band2	15MHz	QPSK	19125	75RB#0	VN	NT	-31.31	-0.016457	±2.5	PASS
Band2	15MHz	QPSK	19125	75RB#0	VL	NT	-23.29	-0.012242	±2.5	PASS
Band2	15MHz	QPSK	19125	75RB#0	VH	NT	-28.01	-0.014723	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	13.68	0.007355	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-15.81	-0.008500	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	18.67	0.010038	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-28.72	-0.015277	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-27.54	-0.014649	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-26.25	-0.013963	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-33.12	-0.017432	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-24.65	-0.012974	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-17.28	-0.009095	±2.5	PASS

12. FIELD STRENGTH OF SPURIOUS RADIATION

12.1 LIMIT

According to FCC section 24.238 (a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB.

12.2 TEST PROCEDURES

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 7

Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360 °the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 6). The output power into the substitution antenna was then measured.
- 7). Steps 5) and 6) were repeated with both antennas polarized.
- 8) Calculate power in dBm by the following formula:

$$ERP(dBm) = Pg(dBm) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:

P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g [dBm] - \text{cable loss [dB]}$. The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

Above 1GHz test procedure as below:

1. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber
2. Calculate power in dBm by the following formula:

$$EIRP(dBm) = Pg(dBm) - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

$$EIRP = ERP + 2.15dB$$
- Where:
 P_g is the generator output power into the substitution antenna.
3. Test the EUT in the lowest channel, the middle channel the Highest channel
4. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
5. Repeat above procedures until all frequencies measured was complete

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to at least 10*the fundamental frequency (separated into at least two plots per channel)
2. RBW=100kHz for emission below 1GHz and 1MHz for emission above 1GHz.
3. Number of sweep point $\geq 2 * \text{span} / \text{RBW}$
4. Detector=RMS
5. Trace mode = trace average for continuous emissions, max hold for pulse emissions
6. The trace was allowed to stabilize

12.3 TEST SETUP

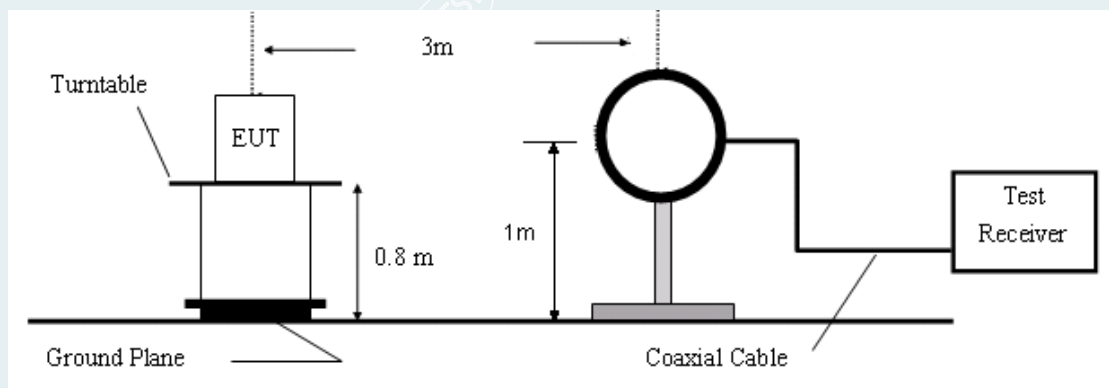


Figure 1. 9kHz to 30MHz radiated emissions test configuration

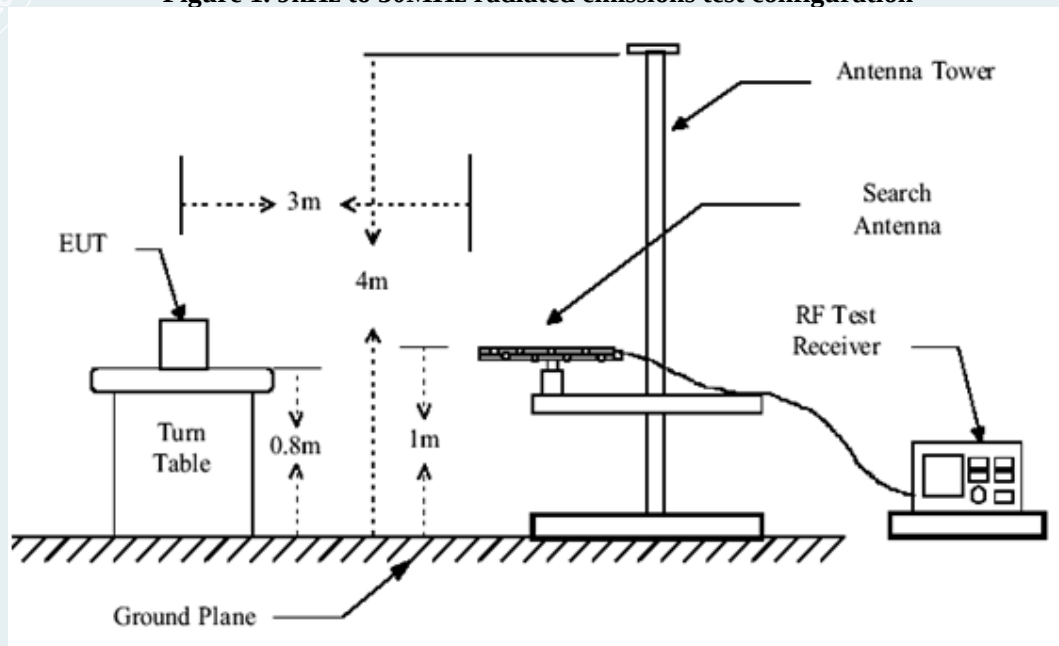


Figure 2. 30MHz to 1GHz radiated emissions test configuration

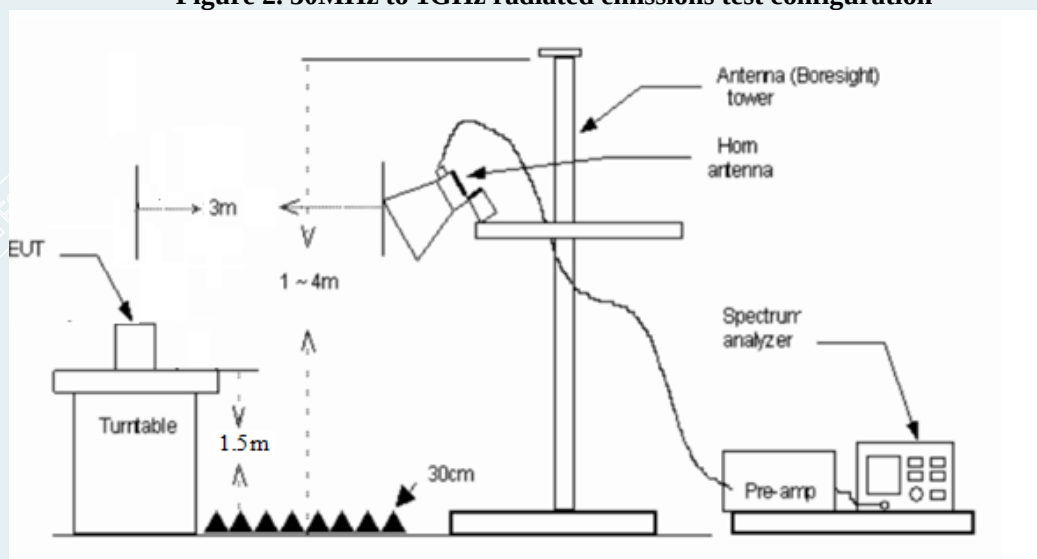


Figure 3. 1GHz-18GHz radiated emissions test configuration

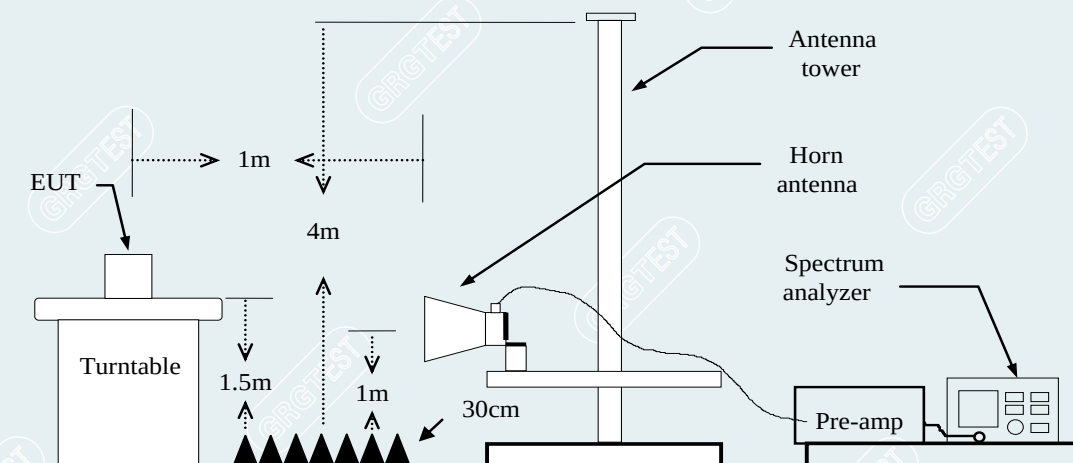


Figure 4. Above 18GHz radiated emissions test configuration

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12.4 DATA SAMPLE

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
x	xxxx	-66.69	-77.73	-25.00	52.73	-11.04	RMS	Horizontal

Frequency (MHz)

= Emission frequency in MHz

Ant.Pol. (H/V)

= Antenna polarization

Reading (dBm)

= Uncorrected Analyzer / Receiver reading

Result (dBm)

= Reading (dBm) + Correction Factor (dBm)

Limit (dBm)

= Limit stated in standard

Margin (dB)

= Remark Result (dBm) – Limit (dBm)

Peak

= Peak Reading

RMS

= RMS Reading

AVG

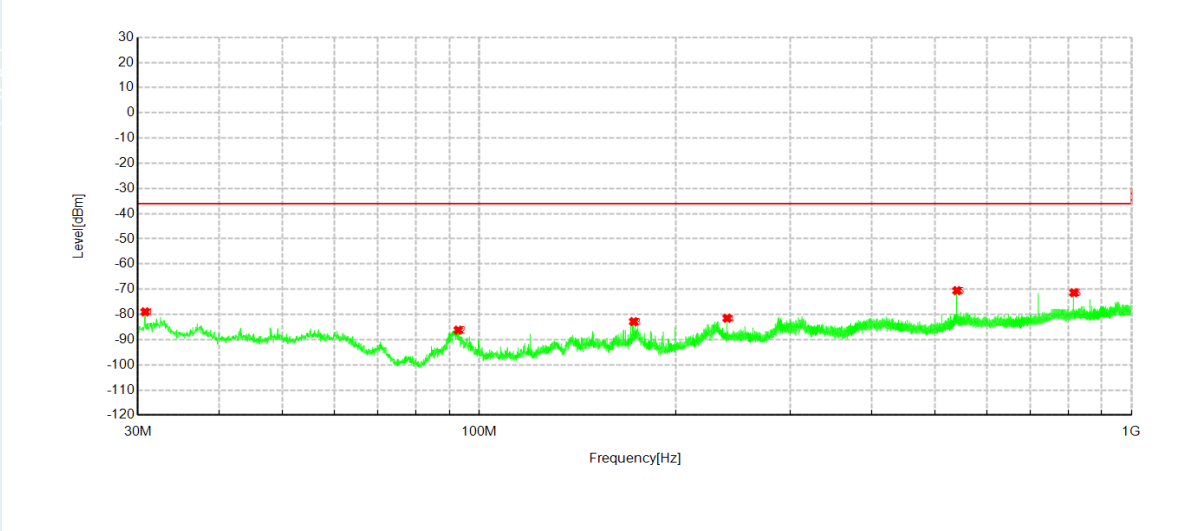
= Average Reading

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12.5 TEST RESULTS

Project Information			
ProjectNo:	E202403143863	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

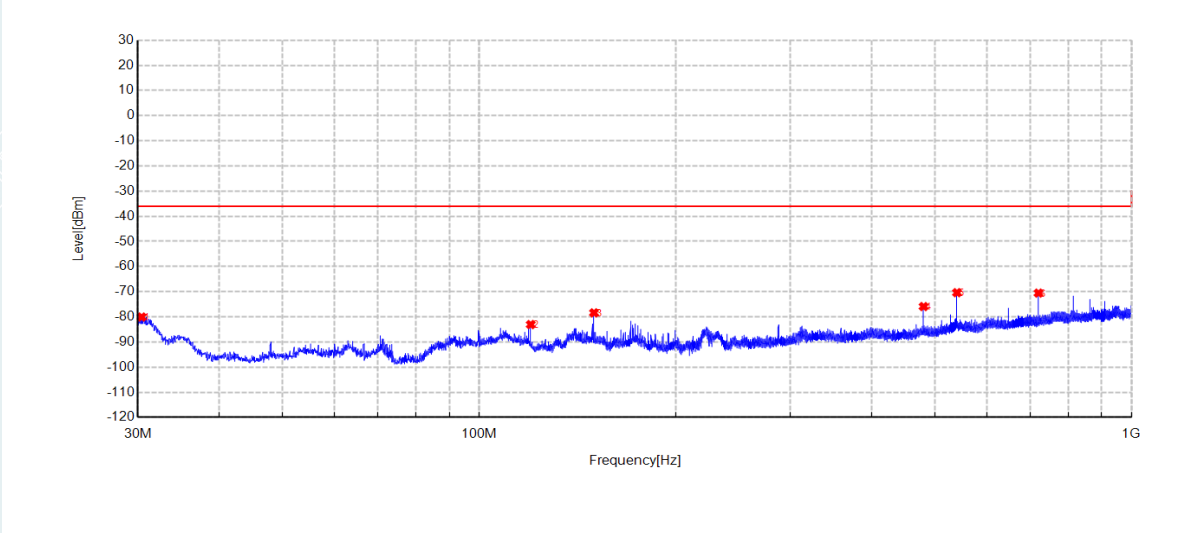


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	30.776	-65.04	-78.98	-36.00	42.98	-13.94	RMS	Horizontal
2	92.9045	-62.49	-86.23	-36.00	50.23	-23.74	RMS	Horizontal
3	172.5415	-62.65	-82.86	-36.00	46.86	-20.21	RMS	Horizontal
4	240.005	-64.98	-81.51	-36.00	45.51	-16.53	RMS	Horizontal
5	540.026	-59.68	-70.55	-36.00	34.55	-10.87	RMS	Horizontal
6	816.088	-63.46	-71.38	-36.00	35.38	-7.92	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

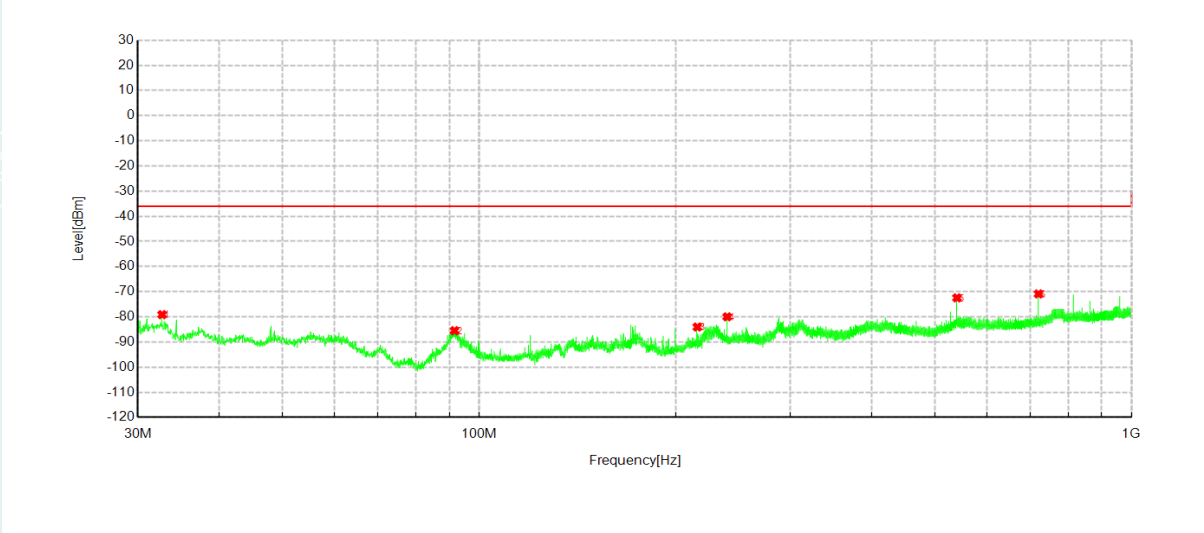


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	30.388	-54.42	-80.07	-36.00	44.07	-25.65	RMS	Vertical
2	119.9675	-64.45	-83.07	-36.00	47.07	-18.62	RMS	Vertical
3	149.989	-61.04	-78.40	-36.00	42.40	-17.36	RMS	Vertical
4	480.0315	-63.02	-75.91	-36.00	39.91	-12.89	RMS	Vertical
5	540.026	-59.56	-70.39	-36.00	34.39	-10.83	RMS	Vertical
6	720.058	-61.34	-70.55	-36.00	34.55	-9.21	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

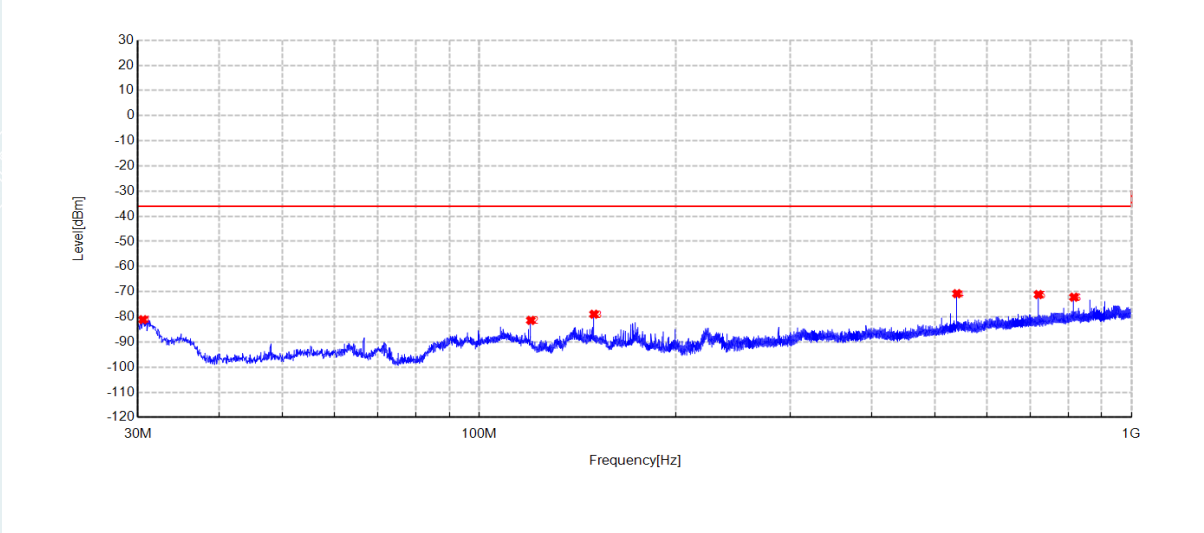


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	32.6675	-65.15	-79.13	-36.00	43.13	-13.98	RMS	Horizontal
2	91.692	-61.79	-85.51	-36.00	49.51	-23.72	RMS	Horizontal
3	215.9975	-64.90	-84.05	-36.00	48.05	-19.15	RMS	Horizontal
4	240.005	-63.46	-79.99	-36.00	43.99	-16.53	RMS	Horizontal
5	540.026	-61.59	-72.46	-36.00	36.46	-10.87	RMS	Horizontal
6	720.058	-61.34	-70.89	-36.00	34.89	-9.55	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

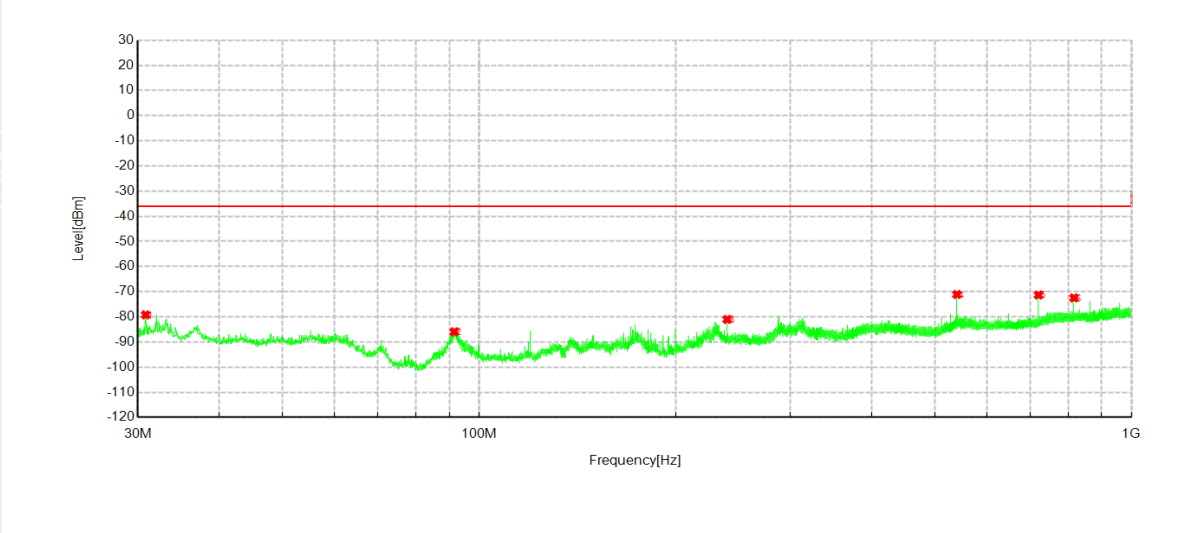


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	30.5335	-55.50	-81.12	-36.00	45.12	-25.62	RMS	Vertical
2	120.016	-62.77	-81.41	-36.00	45.41	-18.64	RMS	Vertical
3	149.989	-61.60	-78.96	-36.00	42.96	-17.36	RMS	Vertical
4	540.026	-59.96	-70.79	-36.00	34.79	-10.83	RMS	Vertical
5	720.058	-61.93	-71.14	-36.00	35.14	-9.21	RMS	Vertical
6	816.088	-64.37	-72.19	-36.00	36.19	-7.82	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

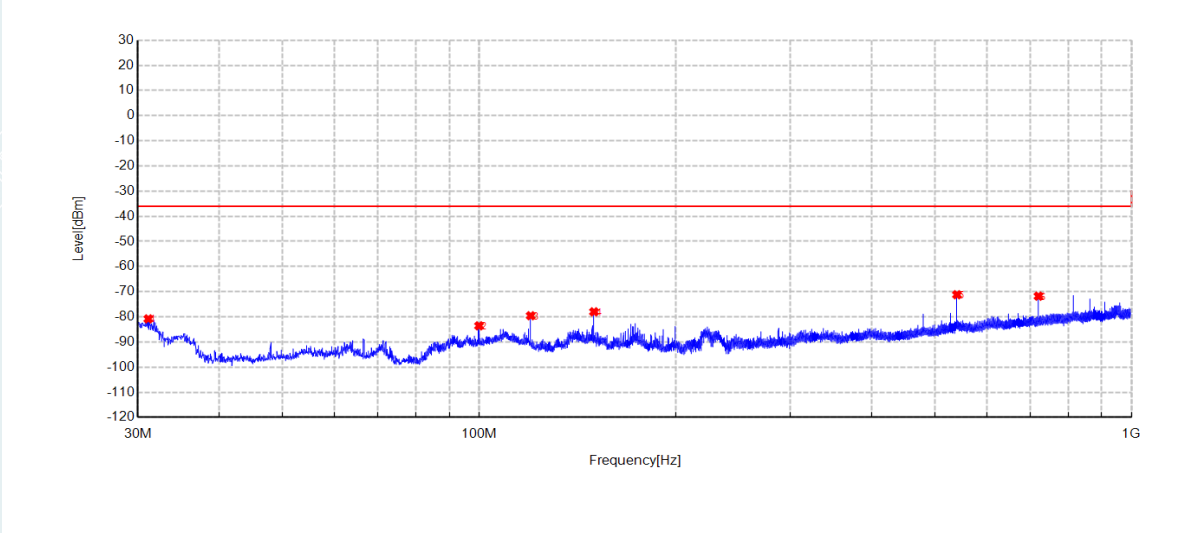


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	30.8245	-65.27	-79.21	-36.00	43.21	-13.94	RMS	Horizontal
2	91.595	-62.24	-85.94	-36.00	49.94	-23.70	RMS	Horizontal
3	240.005	-64.50	-81.03	-36.00	45.03	-16.53	RMS	Horizontal
4	540.026	-60.24	-71.11	-36.00	35.11	-10.87	RMS	Horizontal
5	720.058	-61.77	-71.32	-36.00	35.32	-9.55	RMS	Horizontal
6	816.088	-64.55	-72.47	-36.00	36.47	-7.92	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

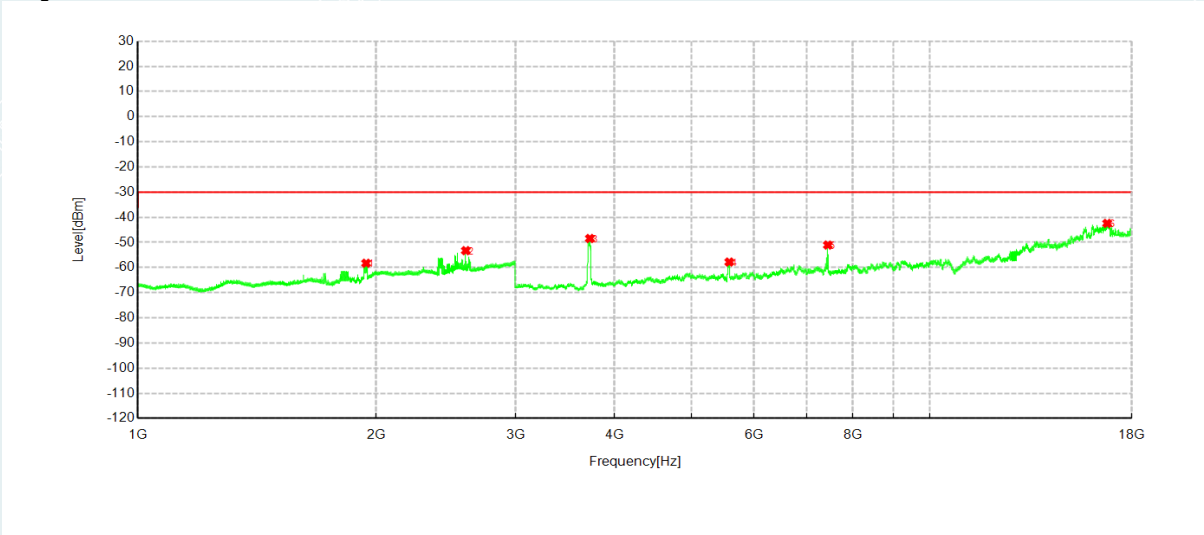


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	31.1155	-55.31	-80.80	-36.00	44.80	-25.49	RMS	Vertical
2	99.9855	-65.97	-83.57	-36.00	47.57	-17.60	RMS	Vertical
3	119.9675	-60.94	-79.56	-36.00	43.56	-18.62	RMS	Vertical
4	149.989	-60.63	-77.99	-36.00	41.99	-17.36	RMS	Vertical
5	540.026	-60.38	-71.21	-36.00	35.21	-10.83	RMS	Vertical
6	720.058	-62.58	-71.79	-36.00	35.79	-9.21	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

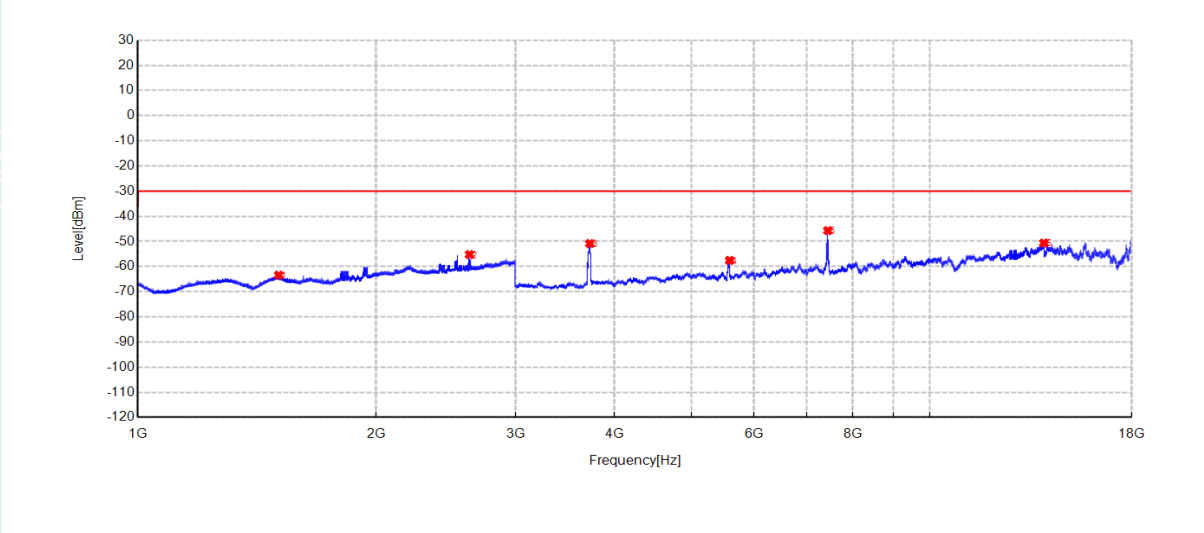
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	1941.9	-61.97	-58.29	-30.00	28.29	3.68	RMS	Horizontal
2	2595.3	-60.80	-53.28	-30.00	23.28	7.52	RMS	Horizontal
3	3723.45	-46.85	-48.45	-30.00	18.45	-1.60	RMS	Horizontal
4	5585.212	-62.15	-57.82	-30.00	27.82	4.33	RMS	Horizontal
5	7440.15	-62.24	-51.06	-30.00	21.06	11.18	RMS	Horizontal
6	16767	-70.67	-42.45	-30.00	12.45	28.22	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

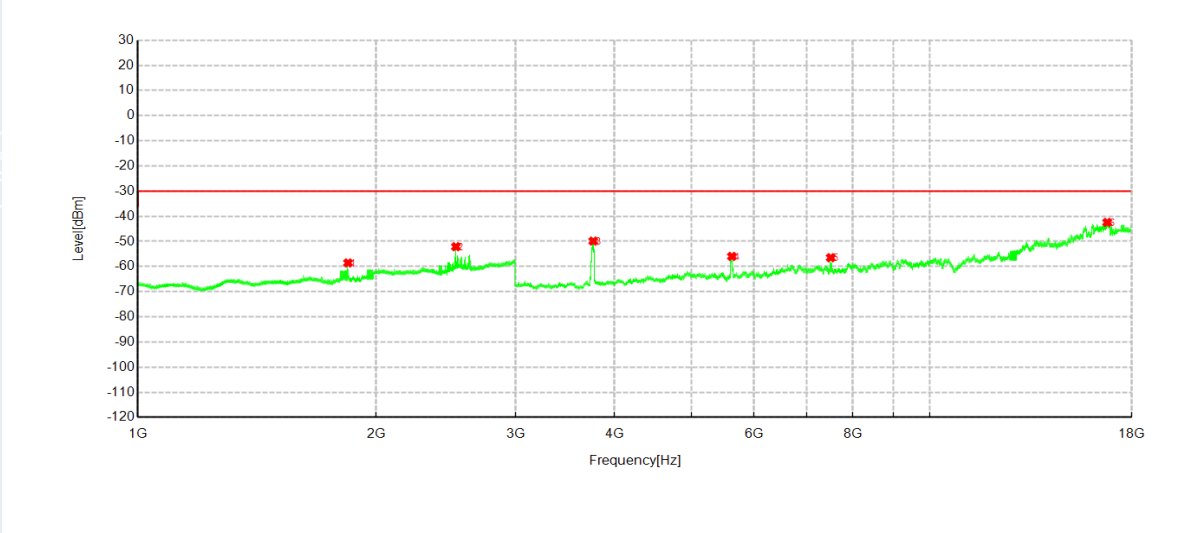
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	1506.2	-66.68	-63.42	-30.00	33.42	3.26	RMS	Vertical
2	2623.3	-62.68	-55.24	-30.00	25.24	7.44	RMS	Vertical
3	3722.962	-48.89	-50.86	-30.00	20.86	-1.97	RMS	Vertical
4	5591.55	-61.79	-57.57	-30.00	27.57	4.22	RMS	Vertical
5	7440.15	-57.17	-45.72	-30.00	15.72	11.45	RMS	Vertical
6	13944.71	-73.66	-50.65	-30.00	20.65	23.01	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

Test Graph

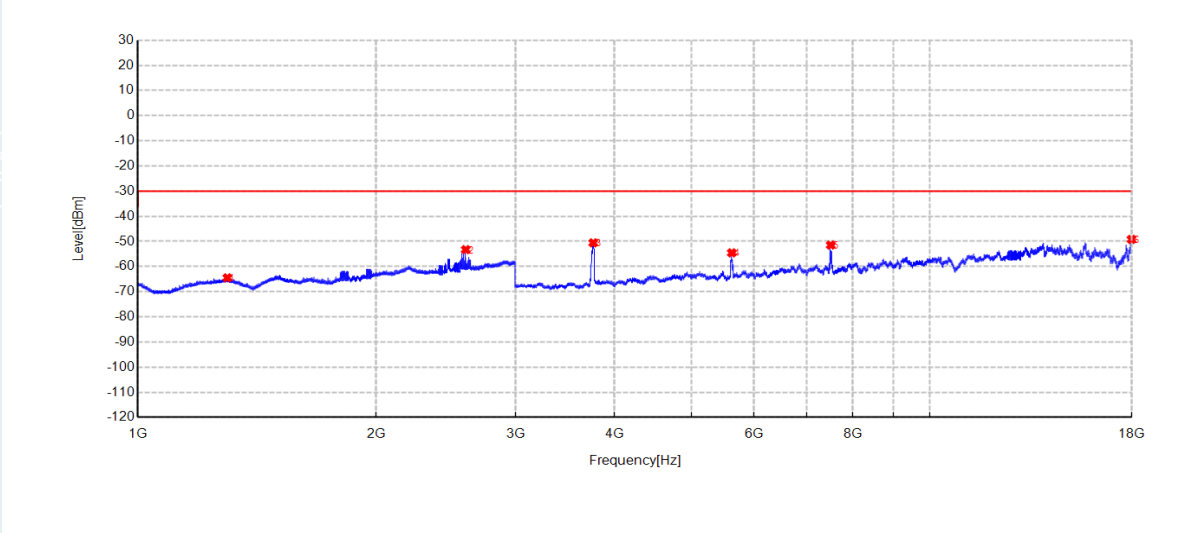


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	1842.5	-62.13	-58.56	-30.00	28.56	3.57	RMS	Horizontal
2	2521.6	-59.82	-52.12	-30.00	22.12	7.70	RMS	Horizontal
3	3760.012	-48.50	-49.88	-30.00	19.88	-1.38	RMS	Horizontal
4	5628.112	-61.04	-55.97	-30.00	25.97	5.07	RMS	Horizontal
5	7502.062	-66.90	-56.48	-30.00	26.48	10.42	RMS	Horizontal
6	16767	-70.67	-42.45	-30.00	12.45	28.22	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

Test Graph

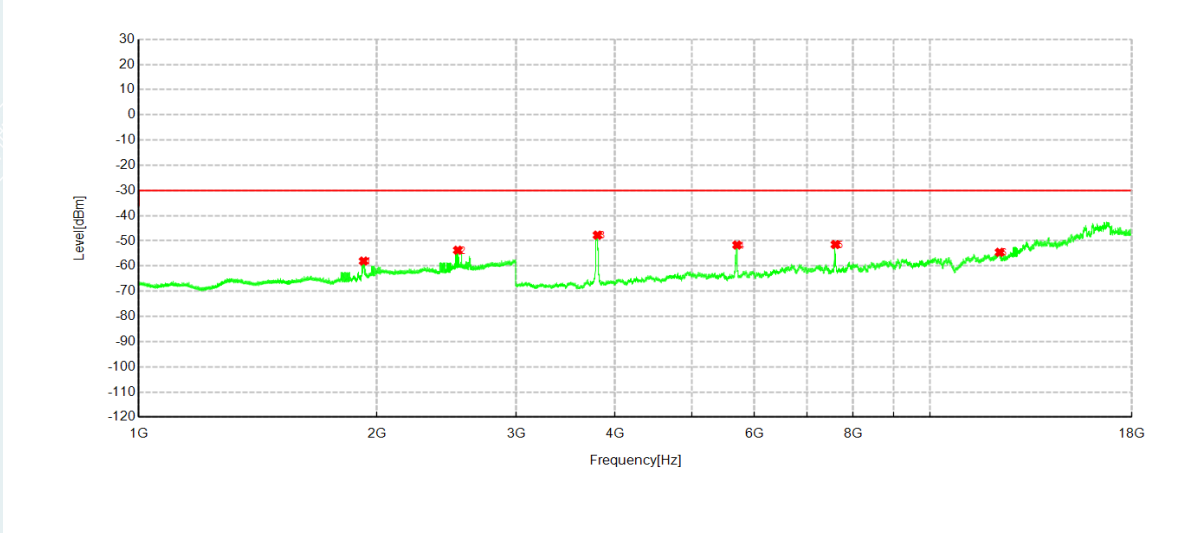


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	1296.9	-66.86	-64.49	-30.00	34.49	2.37	RMS	Vertical
2	2594.8	-60.79	-53.28	-30.00	23.28	7.51	RMS	Vertical
3	3760.012	-49.05	-50.58	-30.00	20.58	-1.53	RMS	Vertical
4	5626.162	-59.44	-54.55	-30.00	24.55	4.89	RMS	Vertical
5	7502.062	-61.72	-51.46	-30.00	21.46	10.26	RMS	Vertical
6	17998.08	-71.68	-49.20	-30.00	19.20	22.48	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

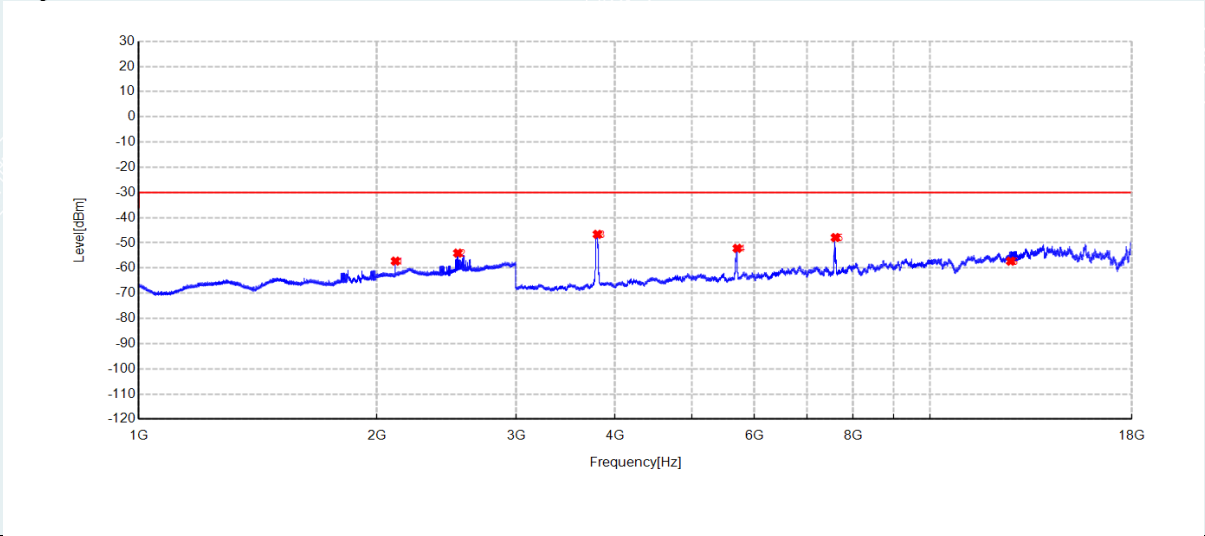
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	1924	-61.60	-58.03	-30.00	28.03	3.57	RMS	Horizontal
2	2530.7	-61.56	-53.72	-30.00	23.72	7.84	RMS	Horizontal
3	3801.45	-46.47	-47.74	-30.00	17.74	-1.27	RMS	Horizontal
4	5707.087	-56.75	-51.66	-30.00	21.66	5.09	RMS	Horizontal
5	7600.05	-62.88	-51.46	-30.00	21.46	11.42	RMS	Horizontal
6	12257.13	-78.54	-54.55	-30.00	24.55	23.99	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:23.5℃;Humi:52%RH	Engineer:	Zhang zishan
Date:	2024-03-28		

Test Graph

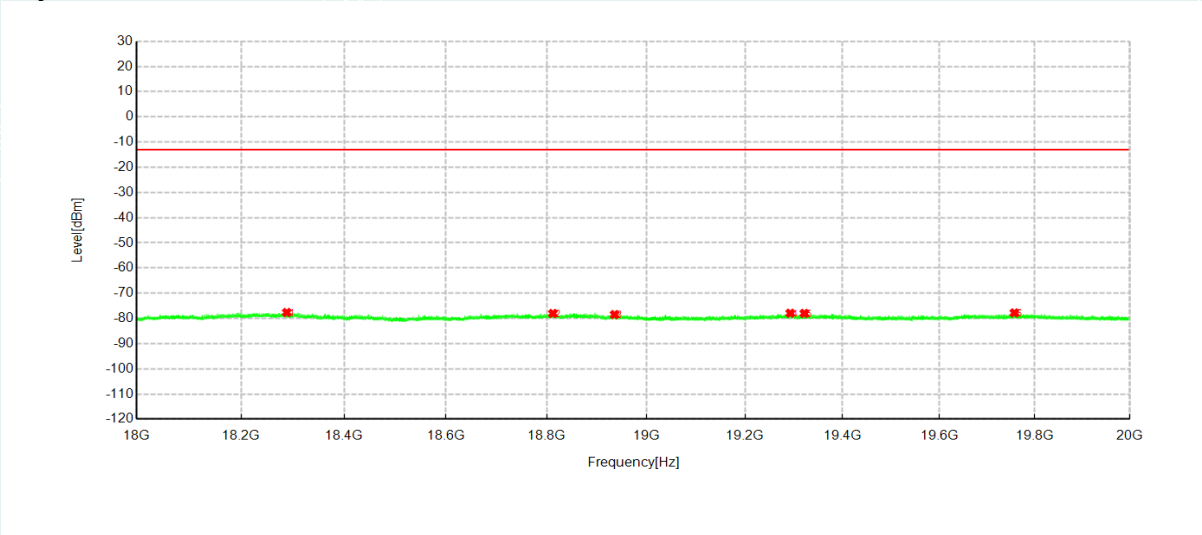


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	2111.4	-62.37	-57.25	-30.00	27.25	5.12	RMS	Vertical
2	2531.3	-61.59	-54.08	-30.00	24.08	7.51	RMS	Vertical
3	3800.962	-45.42	-46.63	-30.00	16.63	-1.21	RMS	Vertical
4	5711.475	-57.30	-52.18	-30.00	22.18	5.12	RMS	Vertical
5	7600.05	-58.76	-47.90	-30.00	17.90	10.86	RMS	Vertical
6	12657.86	-81.87	-57.28	-30.00	27.28	24.59	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

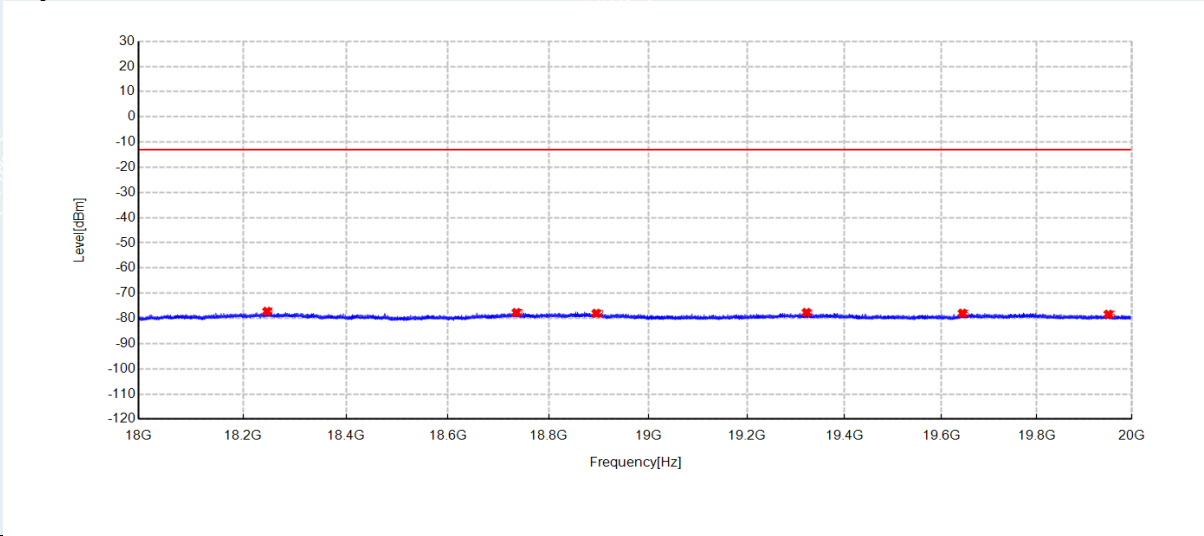


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18288.73	-62.35	-77.64	-13.00	64.64	-15.29	RMS	Horizontal
2	18812.59	-62.23	-78.02	-13.00	65.02	-15.79	RMS	Horizontal
3	18936.19	-62.16	-78.48	-13.00	65.48	-16.32	RMS	Horizontal
4	19292.53	-62.15	-77.92	-13.00	64.92	-15.77	RMS	Horizontal
5	19321.33	-62.16	-77.99	-13.00	64.99	-15.83	RMS	Horizontal
6	19757.03	-62.62	-77.80	-13.00	64.80	-15.18	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18700	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

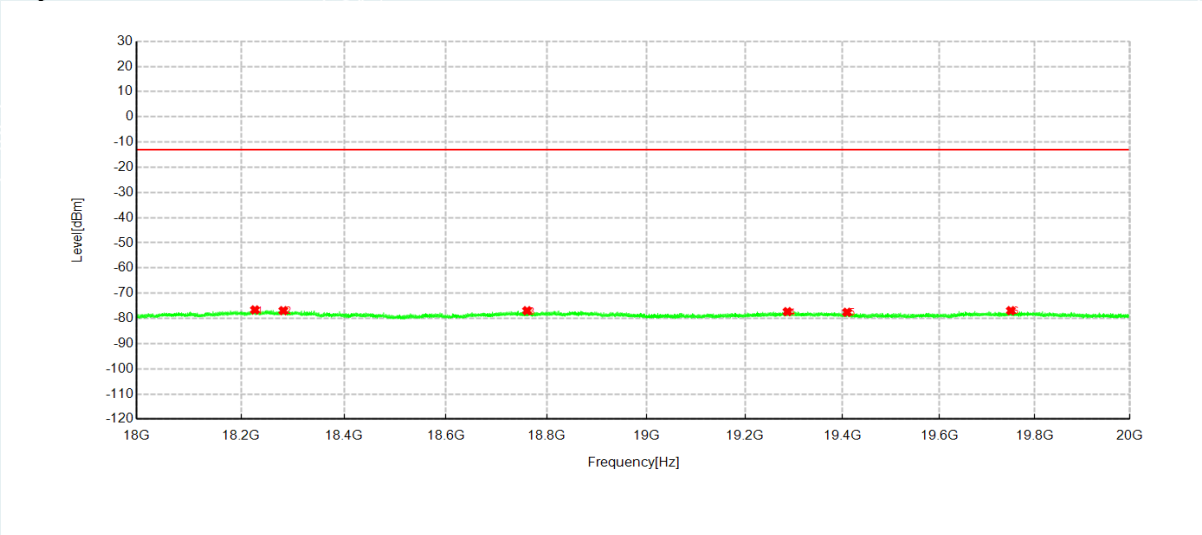
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18280.90	-61.28	-72.17	-13.00	59.17	-10.89	RMS	Vertical
2	18410.50	-60.90	-72.61	-13.00	59.61	-11.71	RMS	Vertical
3	18883.30	-61.20	-72.76	-13.00	59.76	-11.56	RMS	Vertical
4	19275.70	-62.03	-73.29	-13.00	60.29	-11.26	RMS	Vertical
5	19461.30	-61.45	-72.86	-13.00	59.86	-11.41	RMS	Vertical
6	19606.60	-62.31	-73.35	-13.00	60.35	-11.04	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

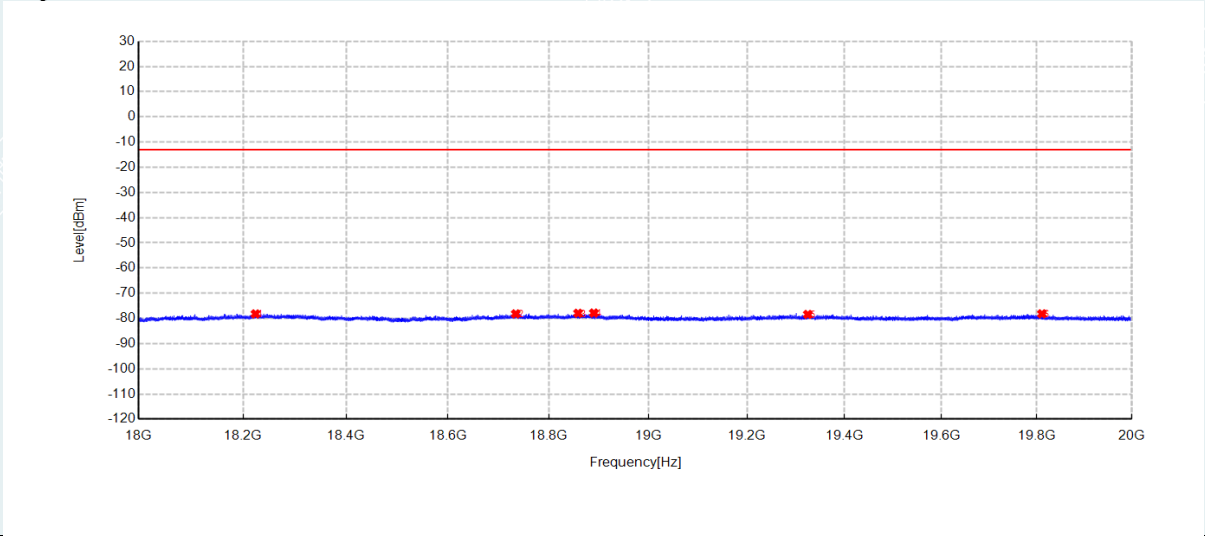


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18226.96	-61.49	-76.62	-13.00	63.62	-15.13	RMS	Horizontal
2	18282.01	-61.69	-76.92	-13.00	63.92	-15.23	RMS	Horizontal
3	18761.07	-61.37	-76.94	-13.00	63.94	-15.57	RMS	Horizontal
4	19286.85	-61.56	-77.32	-13.00	64.32	-15.76	RMS	Horizontal
5	19409.17	-61.55	-77.55	-13.00	64.55	-16.00	RMS	Horizontal
6	19749.43	-61.76	-76.92	-13.00	63.92	-15.16	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	18900	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

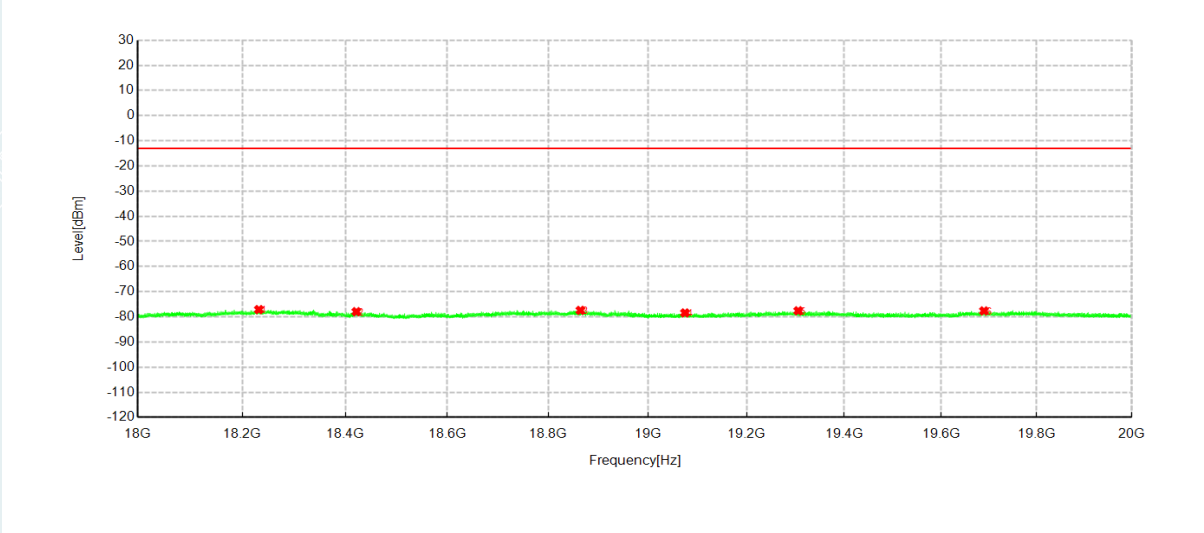


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18224.24	-62.05	-78.20	-13.00	65.20	-16.15	RMS	Vertical
2	18734.58	-61.88	-78.18	-13.00	65.18	-16.30	RMS	Vertical
3	18858.91	-61.33	-77.95	-13.00	64.95	-16.62	RMS	Vertical
4	18890.51	-61.12	-77.85	-13.00	64.85	-16.73	RMS	Vertical
5	19324.45	-61.86	-78.41	-13.00	65.41	-16.55	RMS	Vertical
6	19810.63	-62.10	-78.17	-13.00	65.17	-16.07	RMS	Vertical

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph

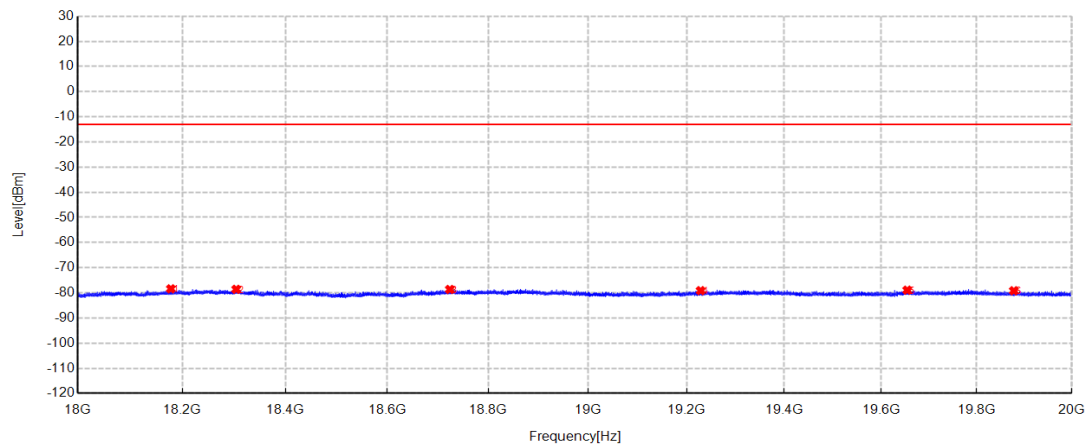


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18232.40	-62.02	-77.12	-13.00	64.12	-15.10	RMS	Horizontal
2	18421.77	-61.70	-77.95	-13.00	64.95	-16.25	RMS	Horizontal
3	18864.67	-61.41	-77.43	-13.00	64.43	-16.02	RMS	Horizontal
4	19075.00	-62.11	-78.43	-13.00	65.43	-16.32	RMS	Horizontal
5	19305.49	-61.80	-77.60	-13.00	64.60	-15.80	RMS	Horizontal
6	19689.42	-62.23	-77.64	-13.00	64.64	-15.41	RMS	Horizontal

Project Information			
ProjectNo:	E202403143863-0001	EUT:	Pet Tracker
Channel	19100	Band:	Band=2 BW=20MHz
Mode:	LTE	Voltage:	DC 3.85V
Environment:	Temp:25.6℃;Humi:54%RH	Engineer:	Zhang zishan
Date:	2024-04-01		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	18178.16	-62.01	-78.40	-13.00	65.40	-16.39	RMS	Vertical
2	18304.57	-62.26	-78.60	-13.00	65.60	-16.34	RMS	Vertical
3	18724.02	-62.29	-78.65	-13.00	65.65	-16.36	RMS	Vertical
4	19228.60	-62.63	-79.13	-13.00	66.13	-16.50	RMS	Vertical
5	19654.54	-62.64	-78.93	-13.00	65.93	-16.29	RMS	Vertical
6	19877.99	-62.99	-79.17	-13.00	66.17	-16.18	RMS	Vertical

Remark:

The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

13. TEST PHOTO

Please refer to the attached document E202403143863-Test Photo.

----- The following blanks -----

14. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202403143863-EUT Photo.

----- End of Report -----