

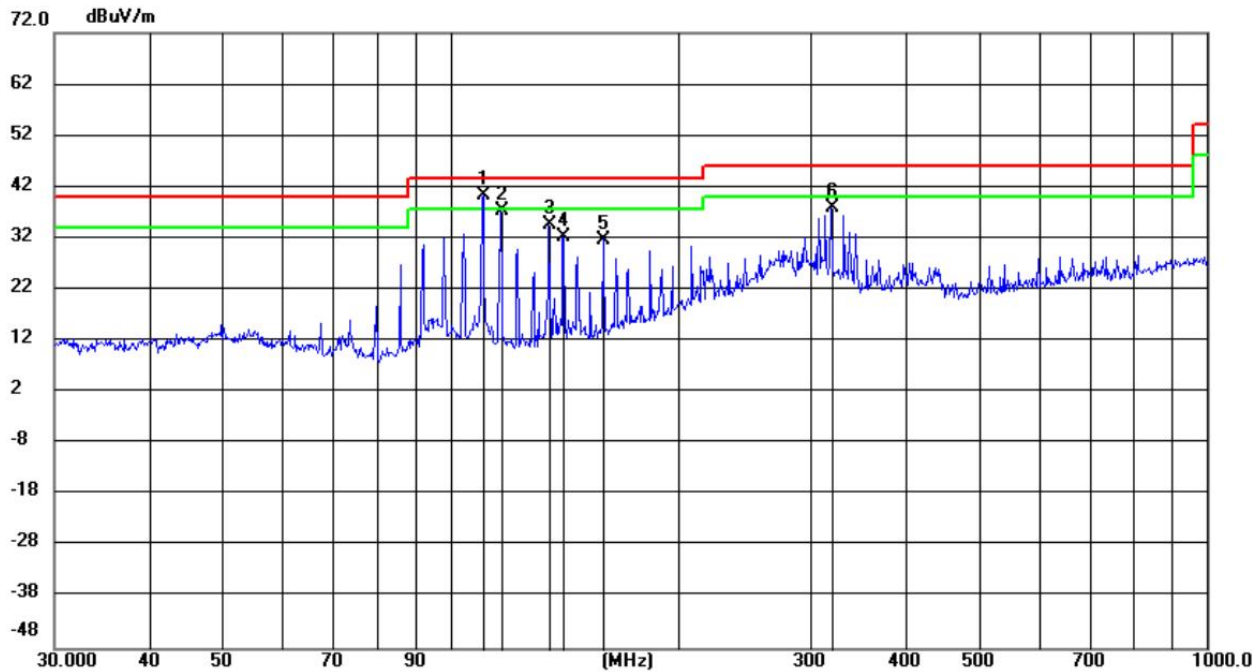
	measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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. g. Test the EUT in the lowest channel (2402MHz),the middle channel (2441MHz),the Highest channel (2480MHz) h. 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. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case. Pretest the EUT at Transmitting mode, For below 1GHz part, through pre-scan, the worst case is the lowest channel. Only the worst case is recorded in the report.
Test Results:	Pass

Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of DH5 for GFSK was recorded in the report.

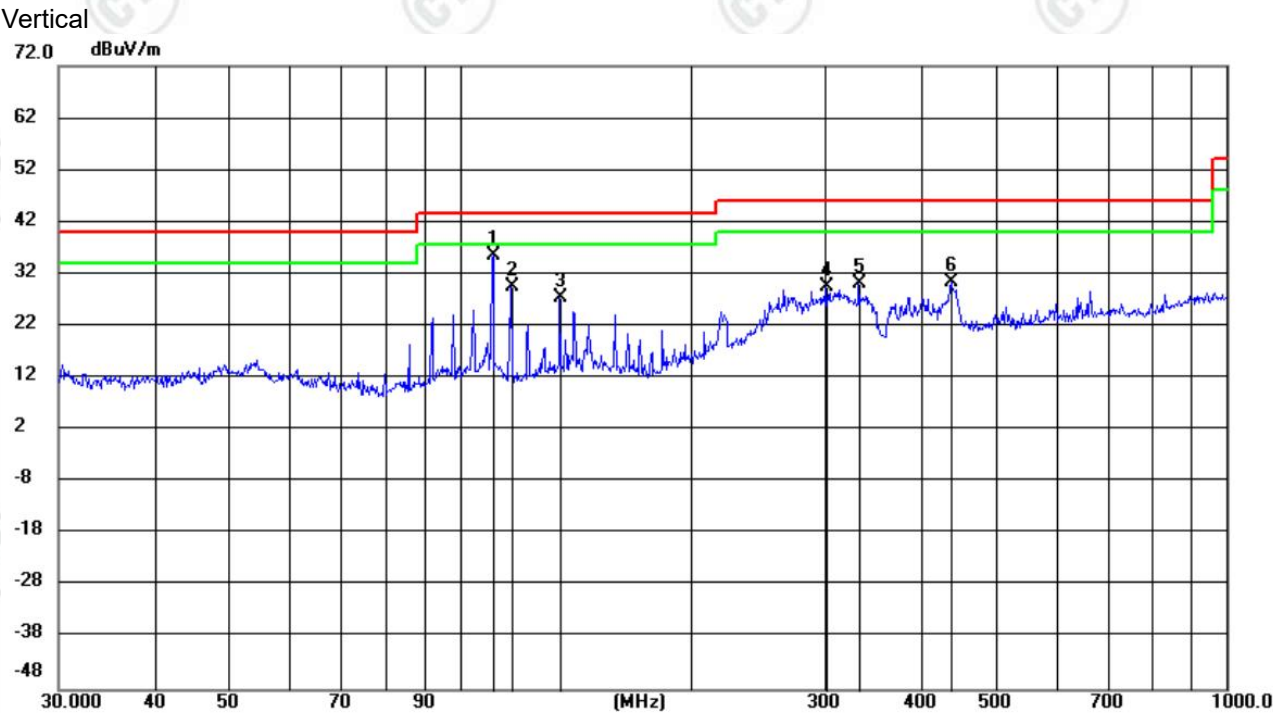
Test Graph

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	110.5880	26.38	13.97	40.35	43.50	-3.15	QP	199	164	
2		116.7445	24.91	12.37	37.28	43.50	-6.22	QP	199	164	
3		135.1739	24.00	10.56	34.56	43.50	-8.94	QP	199	155	
4		141.3049	22.01	10.36	32.37	43.50	-11.13	QP	199	164	
5		159.7564	21.22	10.58	31.80	43.50	-11.70	QP	199	164	
6		319.5445	20.91	16.97	37.88	46.00	-8.12	QP	100	236	

Test Graph



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	110.5881	21.44	13.97	35.41	43.50	-8.09	QP	100	95
2		116.7241	17.20	12.37	29.57	43.50	-13.93	QP	200	107
3		135.1740	17.01	10.56	27.57	43.50	-15.93	QP	100	86
4		301.3167	13.13	16.37	29.50	46.00	-16.50	QP	100	354
5		331.8198	12.74	17.39	30.13	46.00	-15.87	QP	100	354
6		438.2710	10.73	19.79	30.52	46.00	-15.48	QP	100	146

Radiated Spurious Emission above 1GHz:

Mode:			GFSK Transmitting			Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1109.0739	11.28	37.16	48.44	74.00	25.56	Pass	H	PK
2	1521.9015	13.32	36.70	50.02	74.00	23.98	Pass	H	PK
3	3280.1687	-14.10	54.11	40.01	74.00	33.99	Pass	H	PK
4	4803.8703	-8.60	59.37	50.77	74.00	23.23	Pass	H	PK
5	6826.8051	-3.64	47.22	43.58	74.00	30.42	Pass	H	PK
6	9608.3406	1.37	48.98	50.35	74.00	23.65	Pass	H	PK
7	1107.4738	11.29	37.59	48.88	74.00	25.12	Pass	V	PK
8	1676.1784	14.03	36.81	50.84	74.00	23.16	Pass	V	PK
9	3832.0555	-12.21	52.42	40.21	74.00	33.79	Pass	V	PK
10	4803.8703	-8.60	59.36	50.76	74.00	23.24	Pass	V	PK
11	7138.1759	-3.17	47.55	44.38	74.00	29.62	Pass	V	PK
12	9608.3406	1.37	49.04	50.41	74.00	23.59	Pass	V	PK

Mode:			GFSK Transmitting			Channel:		2441 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1100.14	11.30	37.95	49.25	74.00	24.75	Pass	H	PK
2	1658.0439	13.79	36.58	50.37	74.00	23.63	Pass	H	PK
3	3470.6314	-13.88	53.19	39.31	74.00	34.69	Pass	H	PK
4	4881.8755	-8.36	59.24	50.88	74.00	23.12	Pass	H	PK
5	6736.4491	-3.34	46.84	43.50	74.00	30.50	Pass	H	PK
6	9764.351	1.24	48.71	49.95	74.00	24.05	Pass	H	PK
7	1134.9423	11.43	37.69	49.12	74.00	24.88	Pass	V	PK
8	1648.0432	14.03	36.36	50.39	74.00	23.61	Pass	V	PK
9	3188.5126	-14.49	55.10	40.61	74.00	33.39	Pass	V	PK
10	4882.5255	-8.36	59.39	51.03	74.00	22.97	Pass	V	PK
11	6750.1	-3.33	47.57	44.24	74.00	29.76	Pass	V	PK
12	9764.351	1.24	47.38	48.62	74.00	25.38	Pass	V	PK

Mode:			GFSK Transmitting			Channel:		2480 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1137.3425	11.43	37.60	49.03	74.00	24.97	Pass	H	PK
2	1716.3144	14.18	36.61	50.79	74.00	23.21	Pass	H	PK
3	3196.3131	-14.47	53.69	39.22	74.00	34.78	Pass	H	PK
4	4960.5307	-8.05	57.63	49.58	74.00	24.42	Pass	H	PK
5	7822.6715	-1.88	47.24	45.36	74.00	28.64	Pass	H	PK
6	9920.3614	1.49	47.59	49.08	74.00	24.92	Pass	H	PK
7	1164.1443	11.47	36.77	48.24	74.00	25.76	Pass	V	PK
8	1598.9733	13.74	36.23	49.97	74.00	24.03	Pass	V	PK
9	3310.7207	-14.07	53.68	39.61	74.00	34.39	Pass	V	PK
10	4960.5307	-8.05	57.87	49.82	74.00	24.18	Pass	V	PK
11	7784.319	-1.89	47.34	45.45	74.00	28.55	Pass	V	PK
12	9920.3614	1.49	47.38	48.87	74.00	25.13	Pass	V	PK

Mode:			π/4DQPSK Transmitting			Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1161.2107	11.47	36.79	48.26	74.00	25.74	Pass	H	PK
2	1558.0372	13.51	36.07	49.58	74.00	24.42	Pass	H	PK
3	3490.7827	-13.89	53.88	39.99	74.00	34.01	Pass	H	PK
4	4803.8703	-8.60	59.09	50.49	74.00	23.51	Pass	H	PK
5	6566.7878	-3.93	47.54	43.61	74.00	30.39	Pass	H	PK
6	9608.3406	1.37	48.45	49.82	74.00	24.18	Pass	H	PK
7	1135.609	11.43	37.11	48.54	74.00	25.46	Pass	V	PK
8	1396.0264	12.80	37.14	49.94	74.00	24.06	Pass	V	PK
9	3344.523	-14.02	53.43	39.41	74.00	34.59	Pass	V	PK
10	4804.5203	-8.60	58.18	49.58	74.00	24.42	Pass	V	PK
11	7809.0206	-2.00	47.87	45.87	74.00	28.13	Pass	V	PK
12	9608.3406	1.37	48.98	50.35	74.00	23.65	Pass	V	PK

Mode:			$\pi/4$ DQPSK Transmitting			Channel:		2441 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1111.0741	11.29	37.14	48.43	74.00	25.57	Pass	H	PK
2	1632.0421	13.88	36.22	50.10	74.00	23.90	Pass	H	PK
3	3315.271	-14.06	54.37	40.31	74.00	33.69	Pass	H	PK
4	4882.5255	-8.36	57.92	49.56	74.00	24.44	Pass	H	PK
5	7114.7743	-3.20	48.09	44.89	74.00	29.11	Pass	H	PK
6	9764.351	1.24	48.72	49.96	74.00	24.04	Pass	H	PK
7	1158.6772	11.49	37.41	48.90	74.00	25.10	Pass	V	PK
8	1442.2962	13.17	37.16	50.33	74.00	23.67	Pass	V	PK
9	3581.1387	-13.45	53.48	40.03	74.00	33.97	Pass	V	PK
10	4882.5255	-8.36	58.88	50.52	74.00	23.48	Pass	V	PK
11	7323.4382	-2.86	48.07	45.21	74.00	28.79	Pass	V	PK
12	9764.351	1.24	47.09	48.33	74.00	25.67	Pass	V	PK

Mode:			$\pi/4$ DQPSK Transmitting			Channel:		2480 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1133.2089	11.42	37.42	48.84	74.00	25.16	Pass	H	PK
2	1669.2446	14.01	36.25	50.26	74.00	23.74	Pass	H	PK
3	3443.3296	-13.88	53.10	39.22	74.00	34.78	Pass	H	PK
4	4960.5307	-8.05	57.36	49.31	74.00	24.69	Pass	H	PK
5	7734.9157	-1.51	46.60	45.09	74.00	28.91	Pass	H	PK
6	9920.3614	1.49	48.41	49.90	74.00	24.10	Pass	H	PK
7	1099.0733	11.30	37.67	48.97	74.00	25.03	Pass	V	PK
8	1572.9715	13.49	36.53	50.02	74.00	23.98	Pass	V	PK
9	3224.265	-14.29	53.97	39.68	74.00	34.32	Pass	V	PK
10	4960.5307	-8.05	58.60	50.55	74.00	23.45	Pass	V	PK
11	7809.6706	-2.00	47.39	45.39	74.00	28.61	Pass	V	PK
12	9920.3614	1.49	46.28	47.77	74.00	26.23	Pass	V	PK

Mode:			8DPSK Transmitting			Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1140.9427	11.43	37.76	49.19	74.00	24.81	Pass	H	PK
2	1556.9705	13.50	36.89	50.39	74.00	23.61	Pass	H	PK
3	3590.8894	-13.35	53.18	39.83	74.00	34.17	Pass	H	PK
4	4803.8703	-8.60	58.94	50.34	74.00	23.66	Pass	H	PK
5	6968.5146	-3.09	46.47	43.38	74.00	30.62	Pass	H	PK
6	9608.3406	1.37	48.43	49.80	74.00	24.20	Pass	H	PK
7	1165.3444	11.46	36.83	48.29	74.00	25.71	Pass	V	PK
8	1446.6964	13.11	36.46	49.57	74.00	24.43	Pass	V	PK
9	3358.1739	-14.00	53.57	39.57	74.00	34.43	Pass	V	PK
10	4803.8703	-8.60	59.39	50.79	74.00	23.21	Pass	V	PK
11	7059.5206	-3.28	48.02	44.74	74.00	29.26	Pass	V	PK
12	9608.3406	1.37	48.99	50.36	74.00	23.64	Pass	V	PK

Mode:			8DPSK Transmitting			Channel:		2441 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1193.7462	11.58	36.83	48.41	74.00	25.59	Pass	H	PK
2	1686.5791	14.02	36.99	51.01	74.00	22.99	Pass	H	PK
3	3486.2324	-13.89	53.34	39.45	74.00	34.55	Pass	H	PK
4	4882.5255	-8.36	57.73	49.37	74.00	24.63	Pass	H	PK
5	7822.6715	-1.88	47.77	45.89	74.00	28.11	Pass	H	PK
6	9764.351	1.24	48.60	49.84	74.00	24.16	Pass	H	PK
7	1129.6086	11.42	37.38	48.80	74.00	25.20	Pass	V	PK
8	1577.3718	13.52	36.25	49.77	74.00	24.23	Pass	V	PK
9	3529.1353	-13.83	53.47	39.64	74.00	34.36	Pass	V	PK
10	4881.8755	-8.36	58.92	50.56	74.00	23.44	Pass	V	PK
11	7988.4326	-1.37	46.66	45.29	74.00	28.71	Pass	V	PK
12	9764.351	1.24	47.17	48.41	74.00	25.59	Pass	V	PK

Mode:			8DPSK Transmitting			Channel:		2480 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1115.8744	11.29	37.45	48.74	74.00	25.26	Pass	H	PK
2	1646.0431	14.04	36.86	50.90	74.00	23.10	Pass	H	PK
3	3481.6821	-13.89	54.05	40.16	74.00	33.84	Pass	H	PK
4	4959.8807	-8.05	54.06	46.01	74.00	27.99	Pass	H	PK
5	7809.6706	-2.00	46.92	44.92	74.00	29.08	Pass	H	PK
6	9920.3614	1.49	48.28	49.77	74.00	24.23	Pass	H	PK
7	1159.6106	11.48	38.10	49.58	74.00	24.42	Pass	V	PK
8	1737.5158	14.14	37.15	51.29	74.00	22.71	Pass	V	PK
9	3494.0329	-13.90	53.03	39.13	74.00	34.87	Pass	V	PK
10	4959.8807	-8.05	58.78	50.73	74.00	23.27	Pass	V	PK
11	8565.671	-0.47	46.12	45.65	74.00	28.35	Pass	V	PK
12	11281.5521	2.43	44.89	47.32	74.00	26.68	Pass	V	PK

Remark:

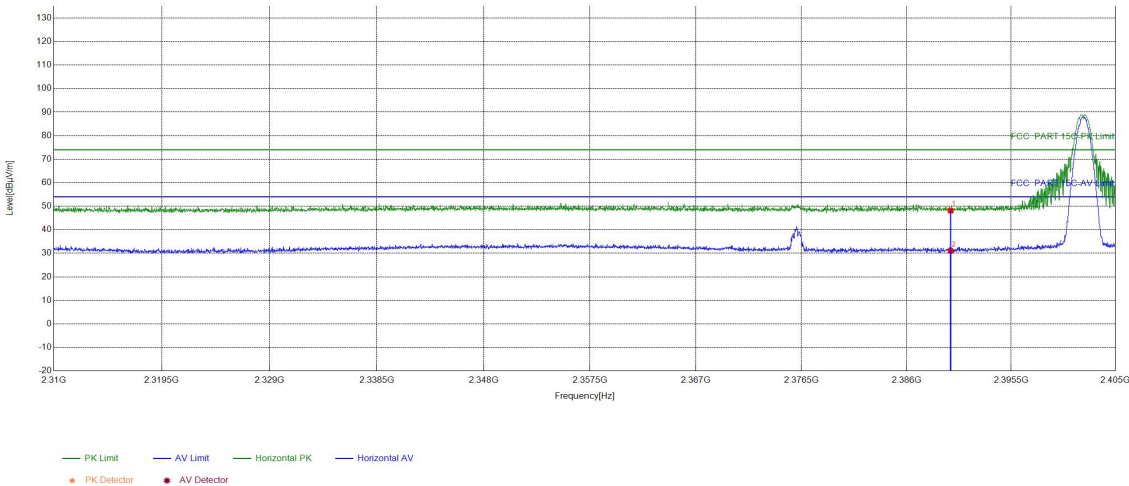
- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, 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. So, only the peak measurements were shown in the report.

Restricted bands:

Test plot as follows:

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2402Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

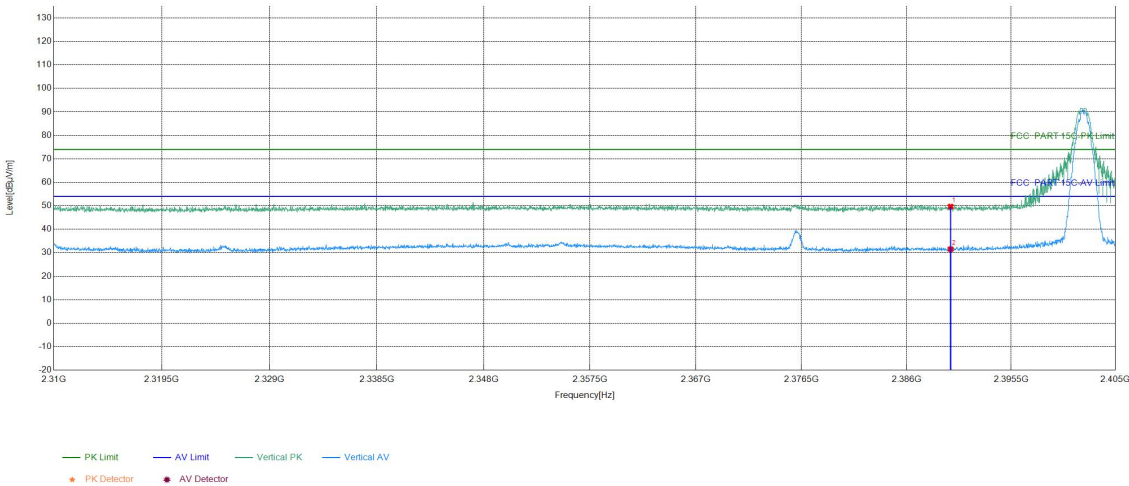
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	32.17	48.13	74.00	25.87	PASS	Horizontal	PK
2	2390	15.96	15.10	31.06	54.00	22.94	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2402Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

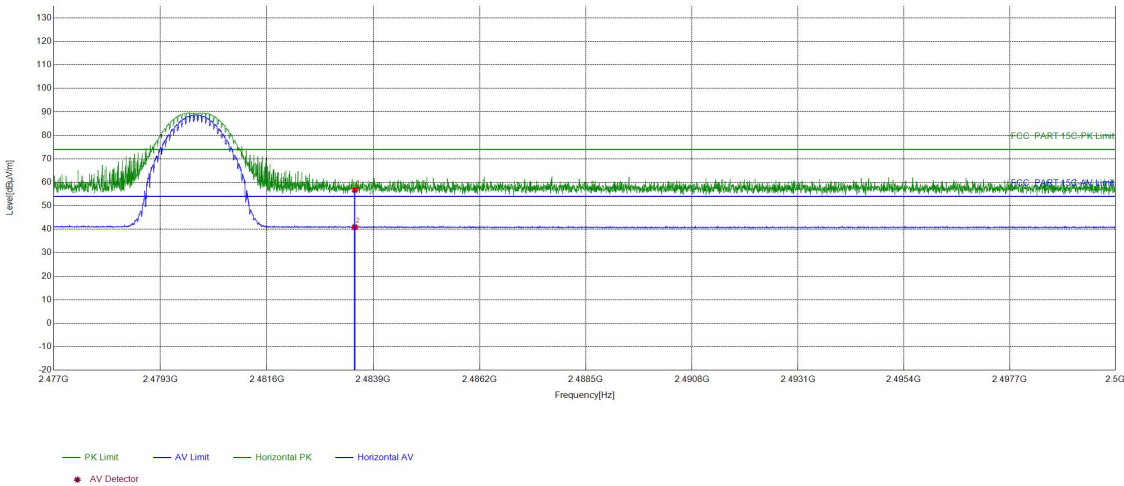
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	33.71	49.67	74.00	24.33	PASS	Vertical	PK
2	2390	15.96	15.56	31.52	54.00	22.48	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

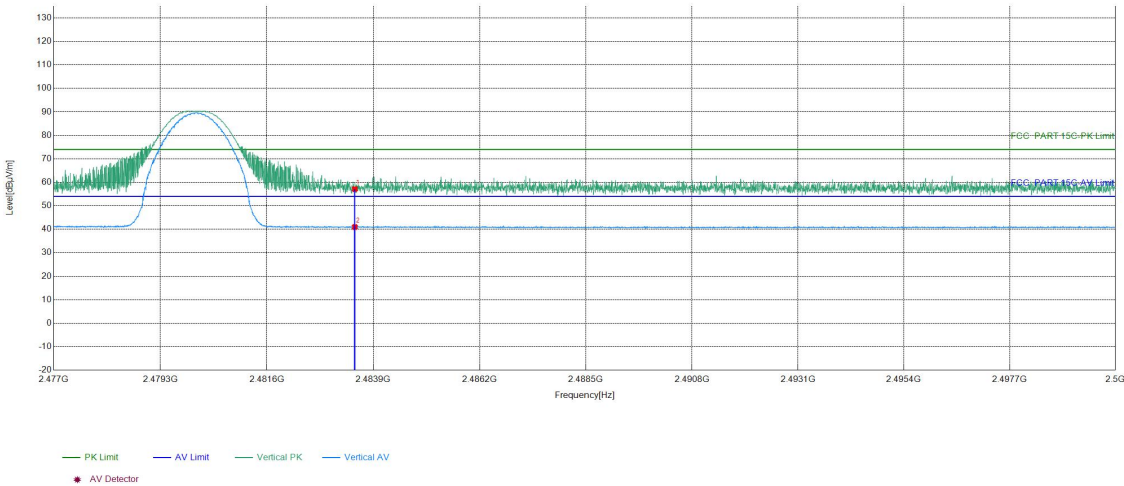
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	40.47	56.76	74.00	17.24	PASS	Horizontal	PK
2	2483.5	16.29	24.59	40.88	54.00	13.12	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

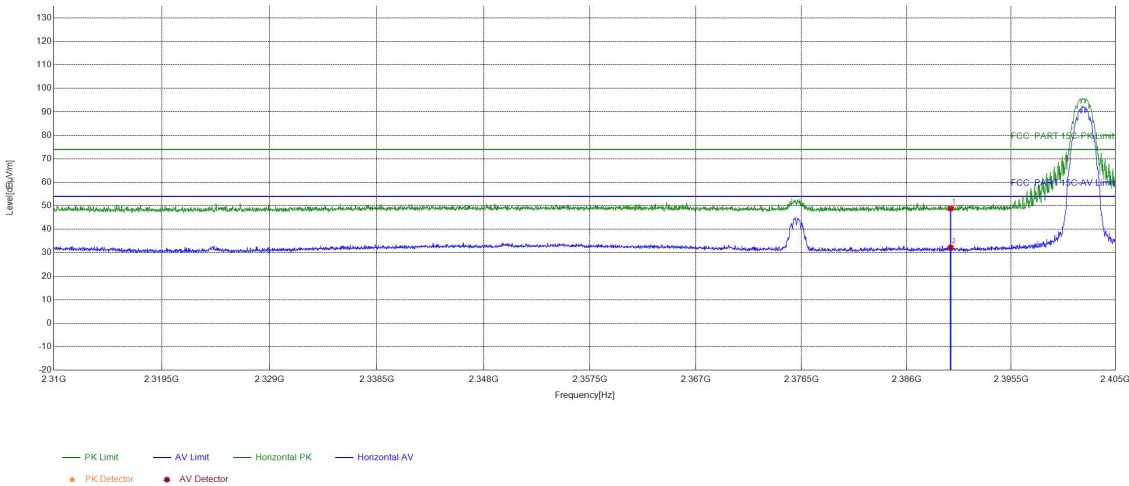
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	40.84	57.13	74.00	16.87	PASS	Vertical	PK
2	2483.5	16.29	24.67	40.96	54.00	13.04	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	π /4DQPSK Transmitting	Test_Frequency	2402Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

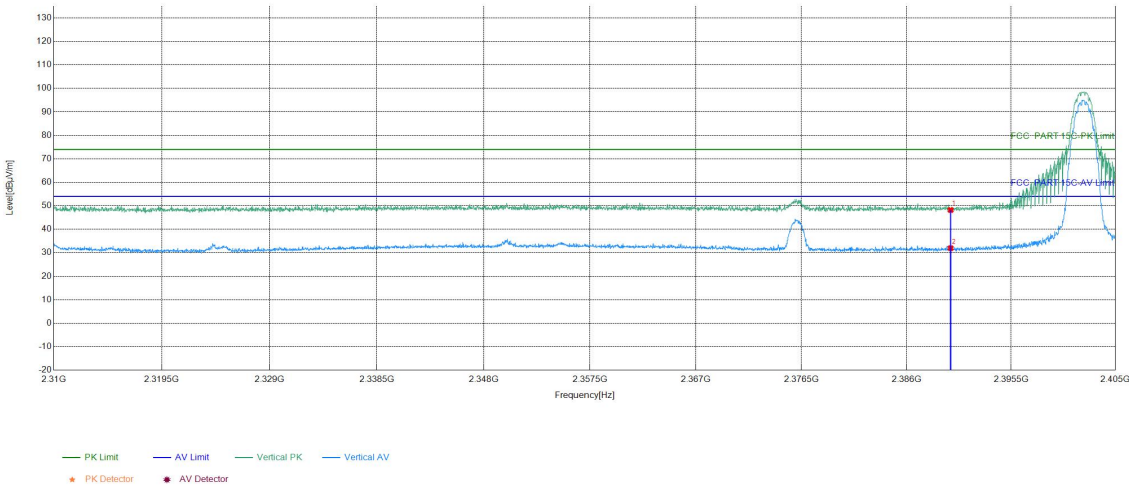
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	32.93	48.89	74.00	25.11	PASS	Horizontal	PK
2	2390	15.96	16.18	32.14	54.00	21.86	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	π /4DQPSK Transmitting	Test_Frequency	2402Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

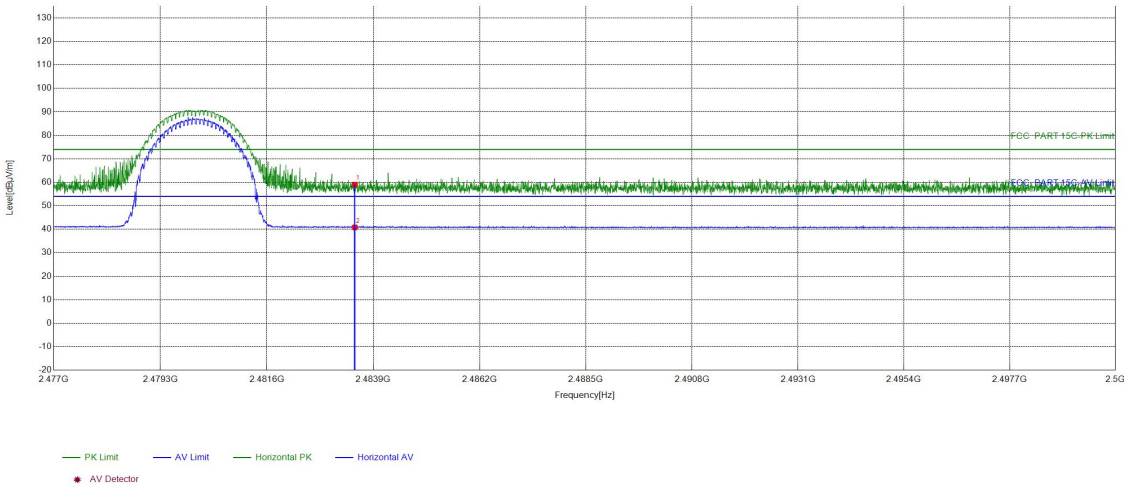
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	32.25	48.21	74.00	25.79	PASS	Vertical	PK
2	2390	15.96	16.00	31.96	54.00	22.04	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	π /4DQPSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

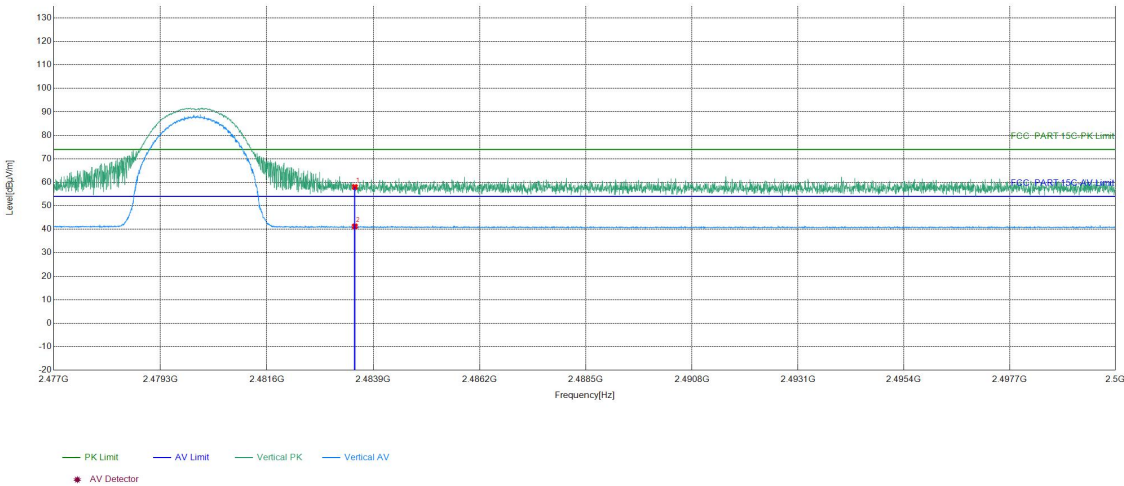
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	42.75	59.04	74.00	14.96	PASS	Horizontal	PK
2	2483.5	16.29	24.51	40.80	54.00	13.20	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	π /4DQPSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/08/21
Remark			

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	41.72	58.01	74.00	15.99	PASS	Vertical	PK
2	2483.5	16.29	24.93	41.22	54.00	12.78	PASS	Vertical	AV