

Remark: During the test, pre-scan the GFSK, $\pi/4$ -DQPSK modulation, and found the $\pi/4$ -DQPSK modulation which it is worse case.

Measurement Data: YX45-L-X (left ear)

Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	62.71	27.40	3.41	45.40	48.12	74.00	-25.88	Horizontal
2390.00	63.76	27.10	3.43	45.40	48.89	74.00	-25.11	Horizontal
2400.00	68.11	27.10	3.43	45.40	53.24	74.00	-20.76	Horizontal
2310.00	62.43	27.40	3.41	45.40	47.84	74.00	-26.16	Vertical
2390.00	63.83	27.10	3.43	45.40	48.96	74.00	-25.04	Vertical
2400.00	67.55	27.10	3.43	45.40	52.68	74.00	-21.32	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	52.44	27.40	3.41	45.40	37.85	54.00	-16.15	Horizontal
2390.00	53.57	27.10	3.43	45.40	38.7	54.00	-15.30	Horizontal
2400.00	57.60	27.10	3.43	45.40	42.73	54.00	-11.27	Horizontal
2310.00	52.72	27.40	3.41	45.40	38.13	54.00	-15.87	Vertical
2390.00	54.54	27.10	3.43	45.40	39.67	54.00	-14.33	Vertical
2400.00	56.70	27.10	3.43	45.40	41.83	54.00	-12.17	Vertical

Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	66.66	27.80	3.56	45.40	52.62	74.00	-21.38	Horizontal
2500.00	63.35	27.80	3.56	45.40	49.31	74.00	-24.69	Horizontal
2483.50	67.77	27.80	3.56	45.40	53.73	74.00	-20.27	Vertical
2500.00	62.79	27.80	3.56	45.40	48.75	74.00	-25.25	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	55.90	27.80	3.56	45.40	41.86	54.00	-12.14	Horizontal
2500.00	51.99	27.80	3.56	45.40	37.95	54.00	-16.05	Horizontal
2483.50	56.78	27.80	3.56	45.40	42.74	54.00	-11.26	Vertical
2500.0	51.91	27.80	3.56	45.40	37.87	54.00	-16.13	Vertical

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Remark: During the test, pre-scan the GFSK, $\pi/4$ -DQPSK modulation, and found the $\pi/4$ -DQPSK modulation which it is worse case

Measurement YX45-R-X (Right ear)

Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	70.94	27.40	3.41	45.40	56.35	74.00	-17.65	Horizontal
2390.00	71.60	27.10	3.43	45.40	56.73	74.00	-17.27	Horizontal
2400.00	75.07	27.10	3.43	45.40	60.20	74.00	-13.80	Horizontal
2310.00	71.70	27.40	3.41	45.40	57.11	74.00	-16.89	Vertical
2390.00	73.95	27.10	3.43	45.40	59.08	74.00	-14.92	Vertical
2400.00	74.75	27.10	3.43	45.40	59.88	74.00	-14.12	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	49.00	27.40	3.41	45.40	34.41	54.00	-19.59	Horizontal
2390.00	50.02	27.10	3.43	45.40	35.15	54.00	-18.85	Horizontal
2400.00	52.53	27.10	3.43	45.40	37.66	54.00	-16.34	Horizontal
2310.00	48.39	27.40	3.41	45.40	33.80	54.00	-20.20	Vertical
2390.00	51.01	27.10	3.43	45.40	36.14	54.00	-17.87	Vertical
2400.00	54.47	27.10	3.43	45.40	39.60	54.00	-14.40	Vertical

Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	62.78	27.80	3.56	45.40	48.74	74.00	-25.26	Horizontal
2500.00	61.75	27.80	3.56	45.40	47.71	74.00	-26.29	Horizontal
2483.50	64.35	27.80	3.56	45.40	50.31	74.00	-23.69	Vertical
2500.00	60.30	27.80	3.56	45.40	46.26	74.00	-27.74	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	54.94	27.80	3.56	45.40	40.90	54.00	-13.10	Horizontal
2500.00	52.66	27.80	3.56	45.40	38.62	54.00	-15.38	Horizontal
2483.50	55.00	27.80	3.56	45.40	40.96	54.00	-13.04	Vertical
2500.0	52.05	27.80	3.56	45.40	38.01	54.00	-15.99	Vertical

Remarks:

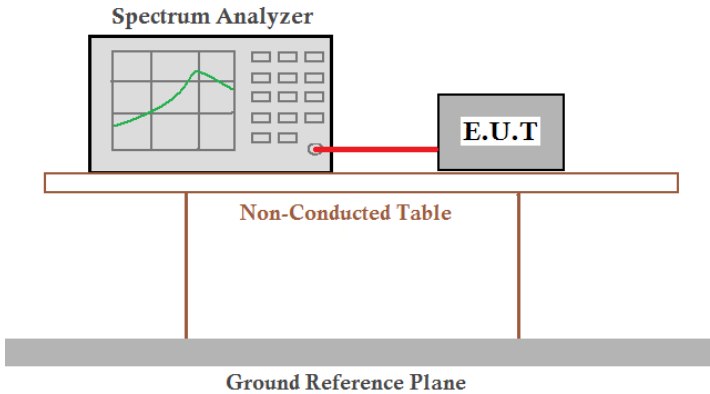
4. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

5. The emission levels of other frequencies are very lower than the limit and not show in test report.

The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

4.9 Spurious Emission

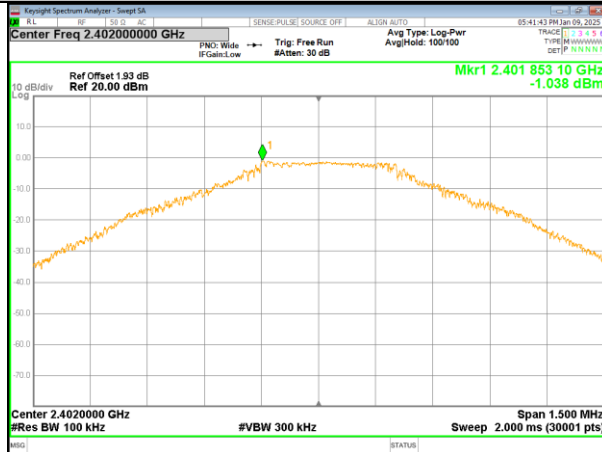
4.9.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)	
Test Method:	ANSI C63.10:2013	
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
Test setup:	 The diagram illustrates the test setup for conducted emission measurement. A Spectrum Analyzer is connected via a red cable to an E.U.T (Equipment Under Test). Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 25.2°C	Humid.: 33%RH
Test voltage:	DC 3.7V	
Test results:	Pass	

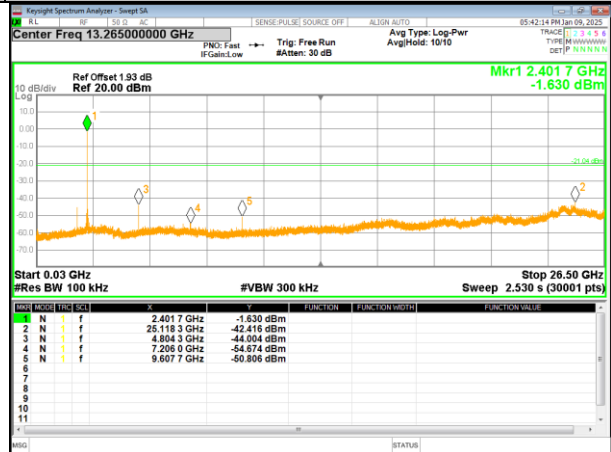
YX45-L-X (left ear)

GFSK mode:

Test channel:

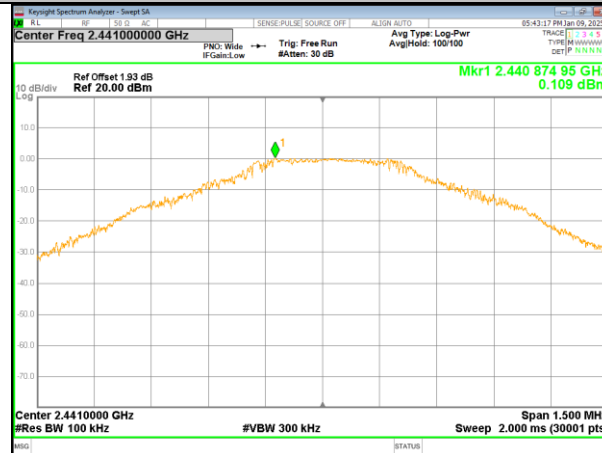


Lowest channel

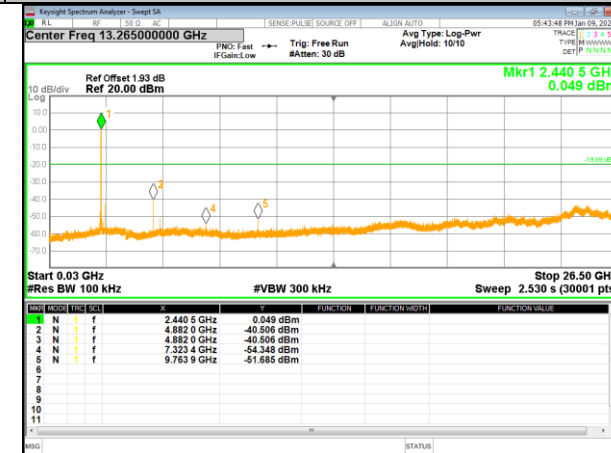


30MHz~25GHz

Test channel:

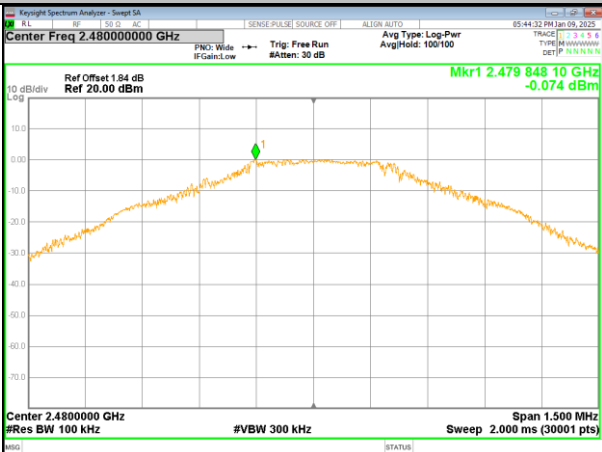


Middle channel

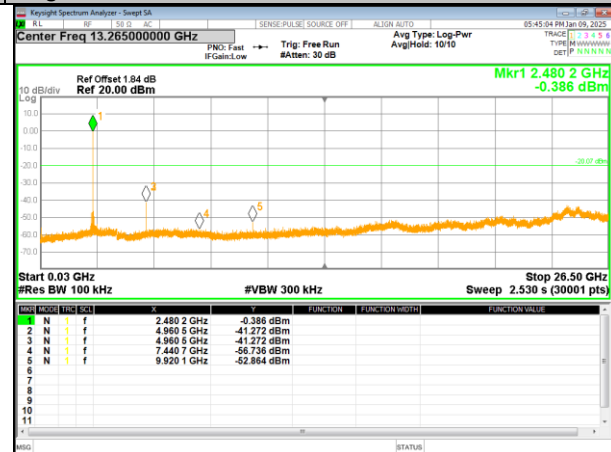


30MHz~25GHz

Test channel:



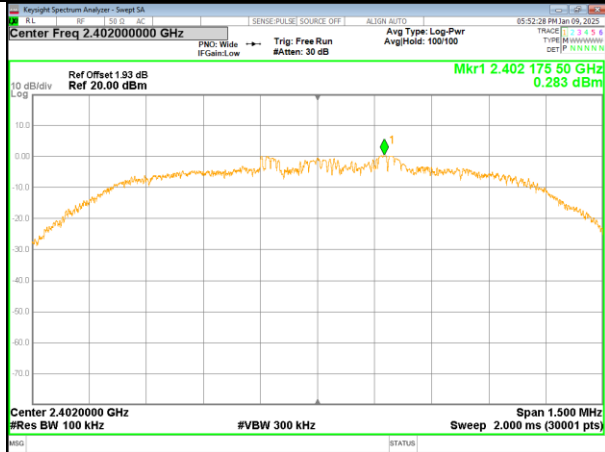
Highest channel



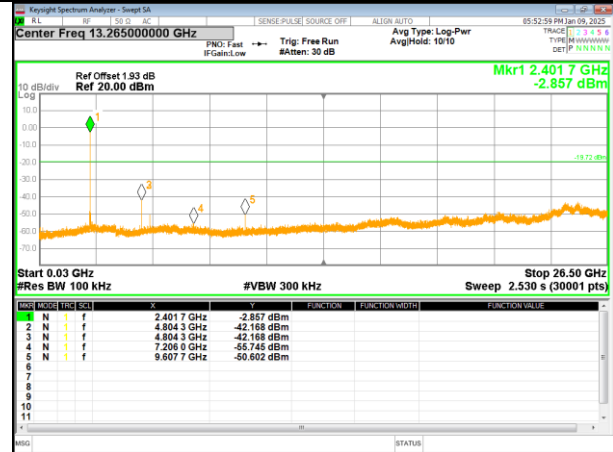
30MHz~25GHz

$\pi/4$ -DQPSK mode:

Test channel:

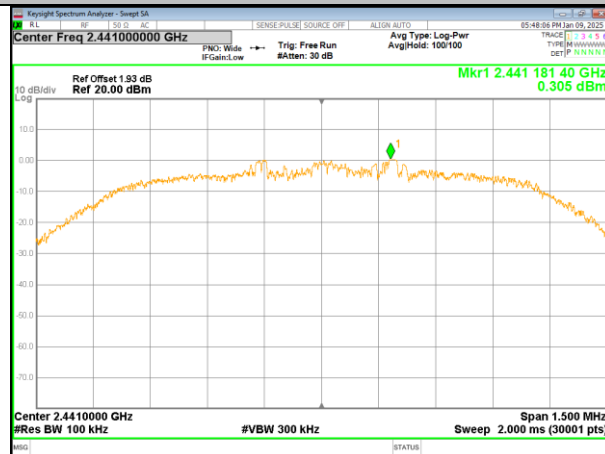


Lowest channel

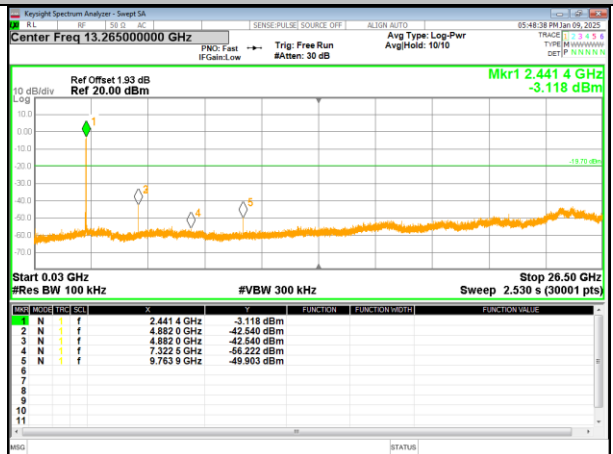


30MHz~25GHz

Test channel:

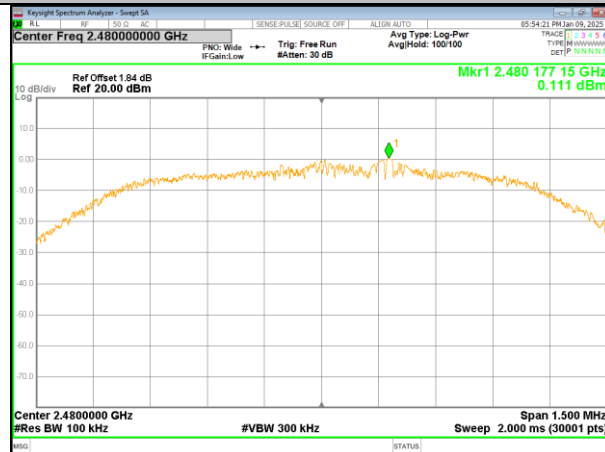


Middle channel

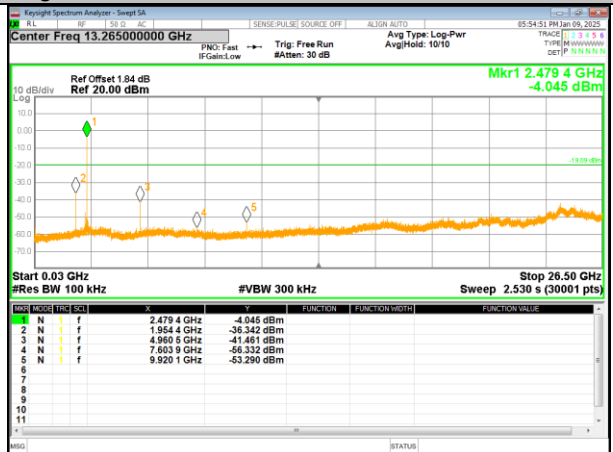


30MHz~25GHz

Test channel:



Highest channel

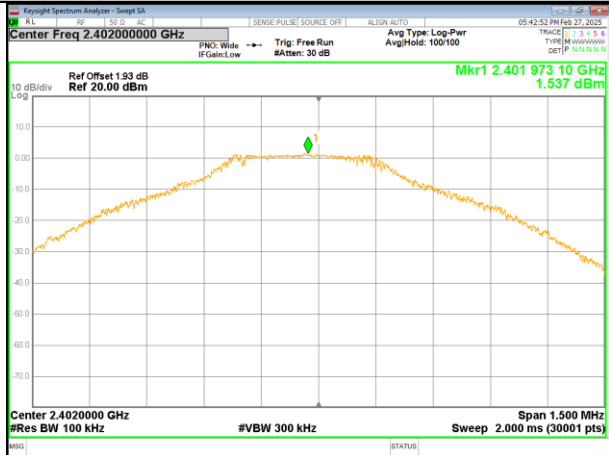


30MHz~25GHz

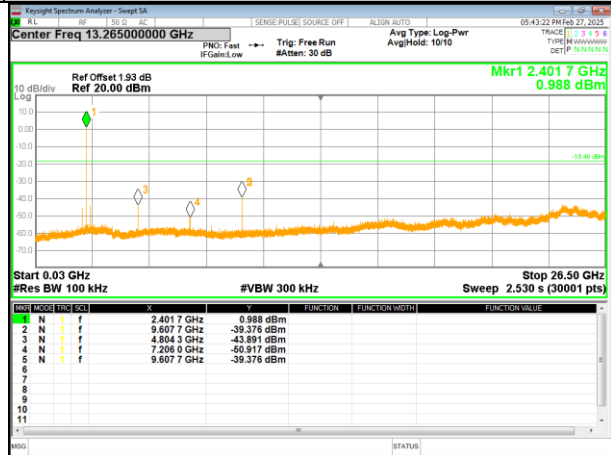
YX45-R-X (Right ear)

GFSK mode:

Test channel:

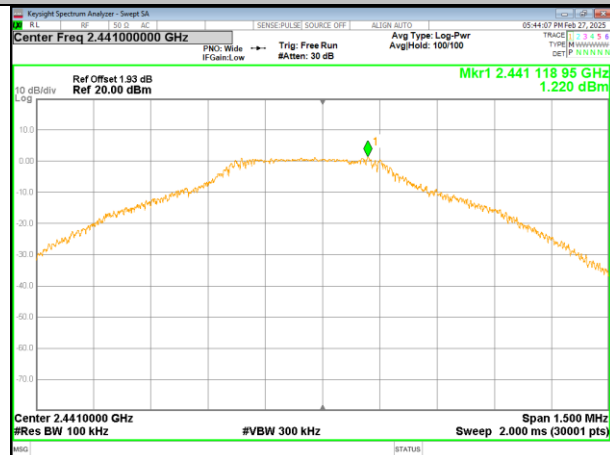


Lowest channel

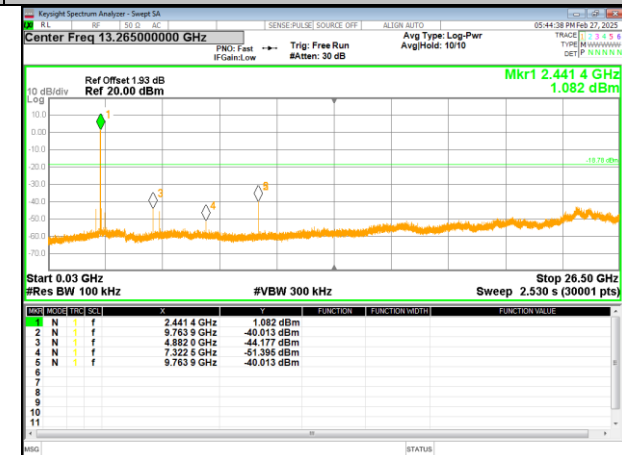


30MHz~25GHz

Test channel:

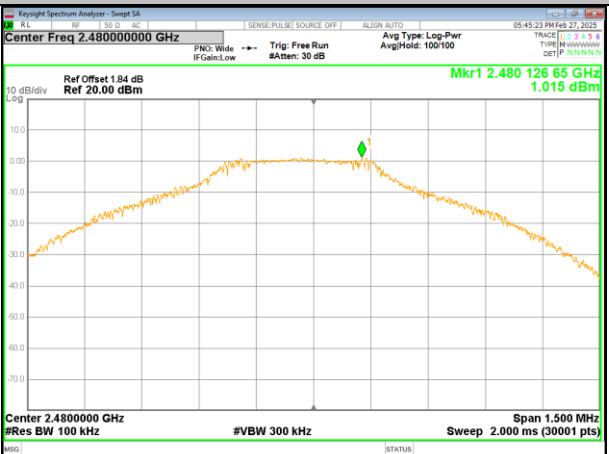


Middle channel

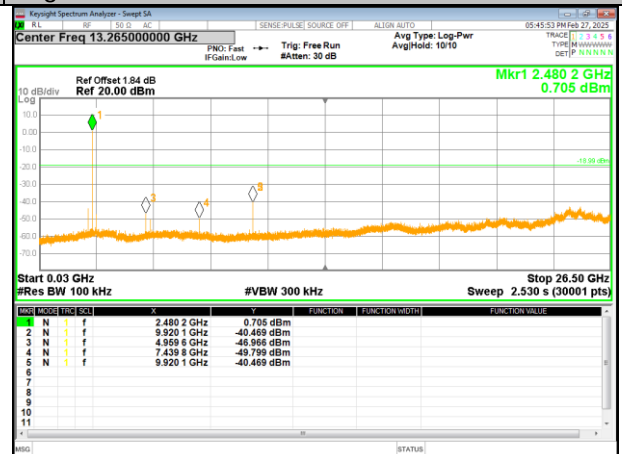


30MHz~25GHz

Test channel:



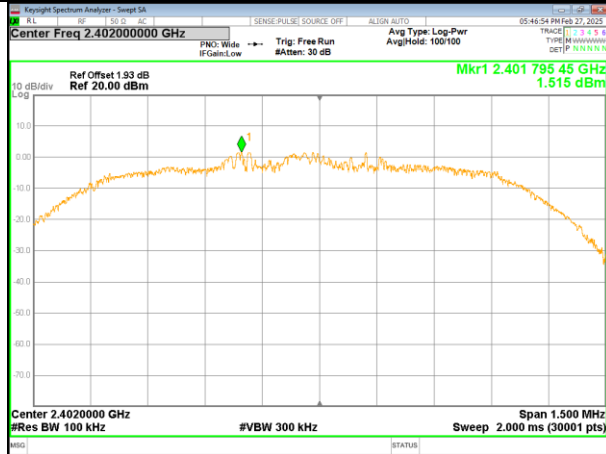
Highest channel



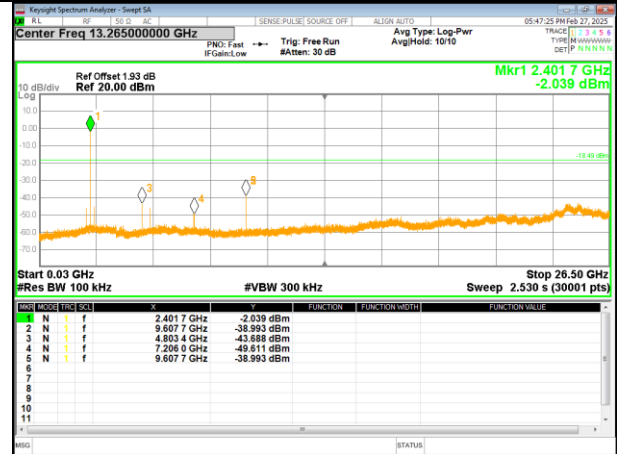
30MHz~25GHz

$\pi/4$ -DQPSK mode:

Test channel:

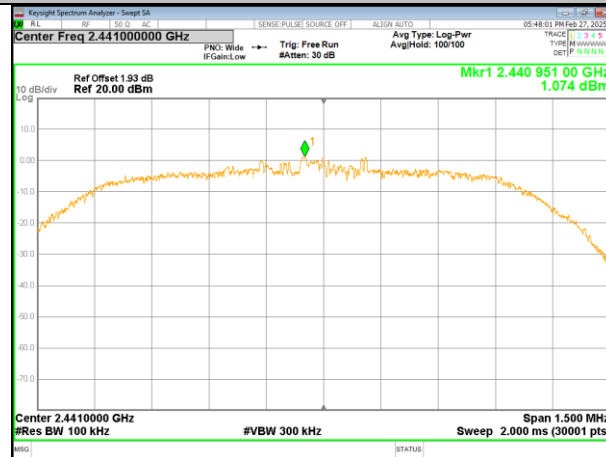


Lowest channel

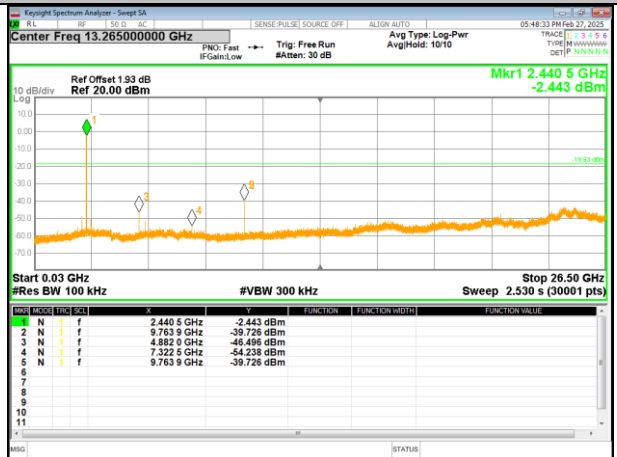


30MHz~25GHz

Test channel:

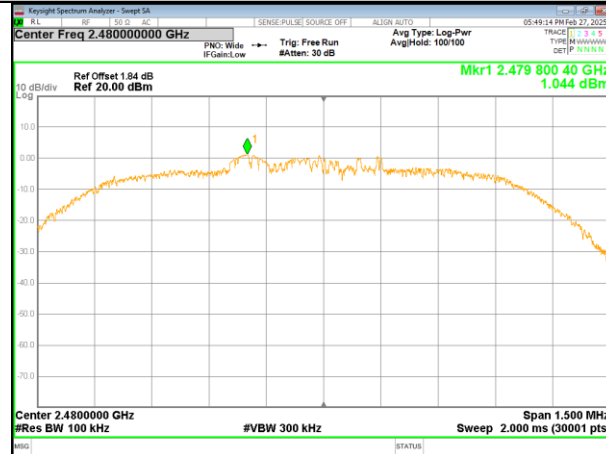


Middle channel

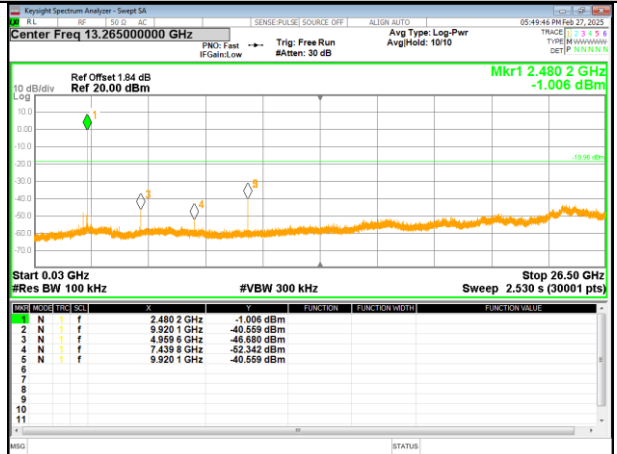


30MHz~25GHz

Test channel:

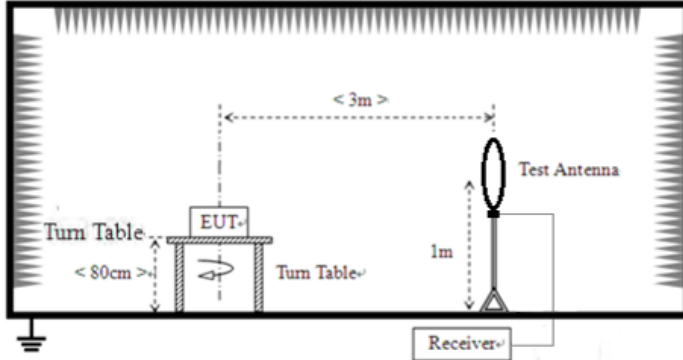


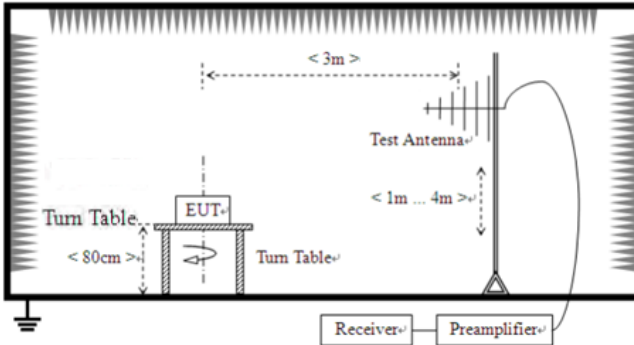
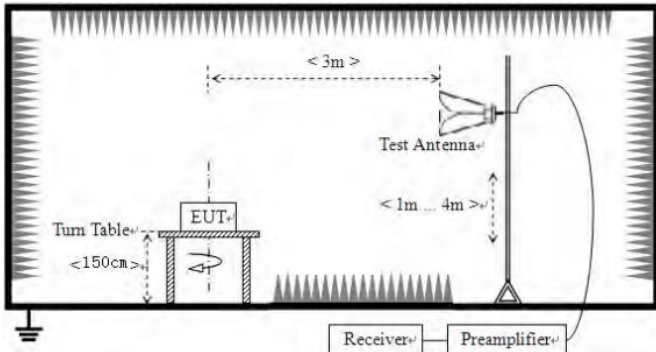
Highest channel



30MHz~25GHz

4.9.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Limit (uV/m)		Value	Measurement Distance
	0.009MHz-0.490MHz	2400/F(KHz)		QP	300m
	0.490MHz-1.705MHz	24000/F(KHz)		QP	30m
	1.705MHz-30MHz	30		QP	30m
	30MHz-88MHz	100		QP	3m
	88MHz-216MHz	150		QP	
	216MHz-960MHz	200		QP	
	960MHz-1GHz	500		QP	
	Above 1GHz	500		Average	
		5000		Peak	
Test setup:	For radiated emissions from 9kHz to 30MHz				
					

	For radiated emissions from 30MHz to1GHz  For radiated emissions above 1GHz 					
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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 and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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.					
Test Instruments:	Refer to section 3.0 for details					
Test mode:	Refer to section 2.2 for details					
Test environment:	Temp.:	22.2°C	Humid.:	33%	Press.:	1012mbar
Test results:	Pass					

Measurement data:

Remarks:

1. *Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.*

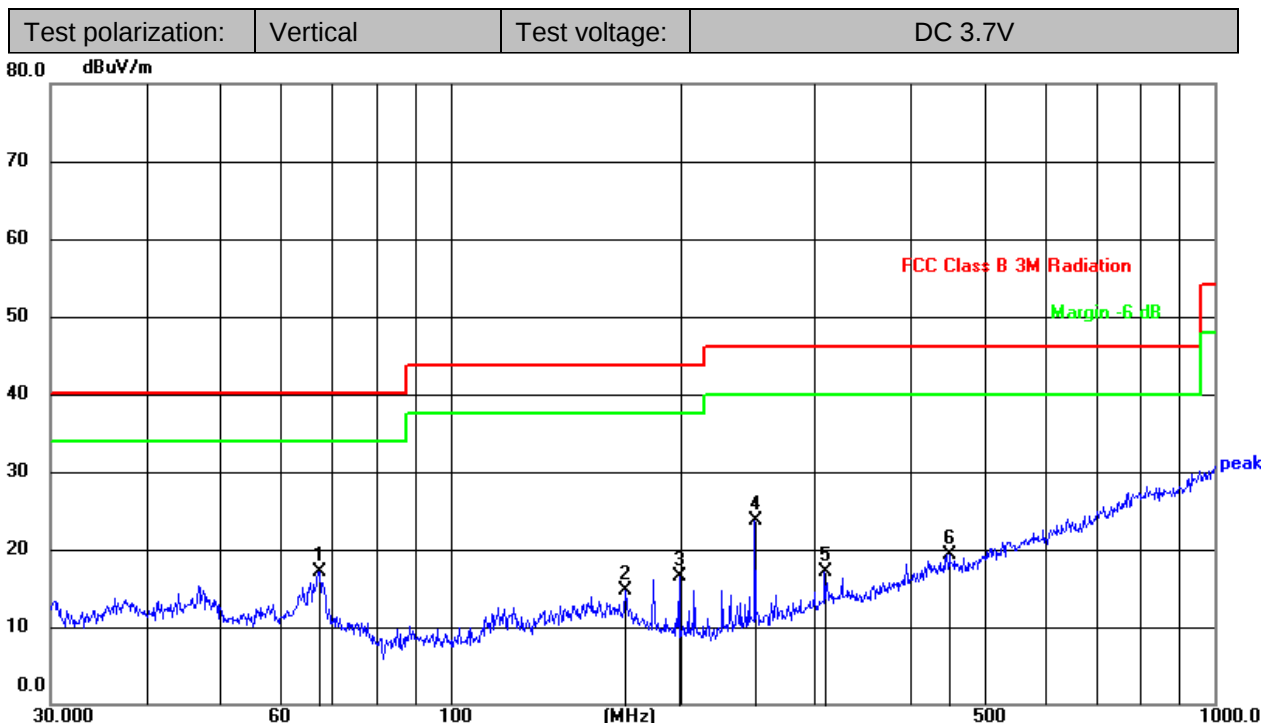
■ **9kHz~30MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Below 1GHz

During the test, pre-scan the GFSK, $\pi/4$ -DQPSK modulation, and found the $\pi/4$ -DQPSK modulation which it is worse case.

YX45-L-X (left ear) :Pre-scan all test modes, found worst case at $\pi/4$ -DQPSK (2441MHz), and report only show the test result of $\pi/4$ -DQPSK (2441MHz).

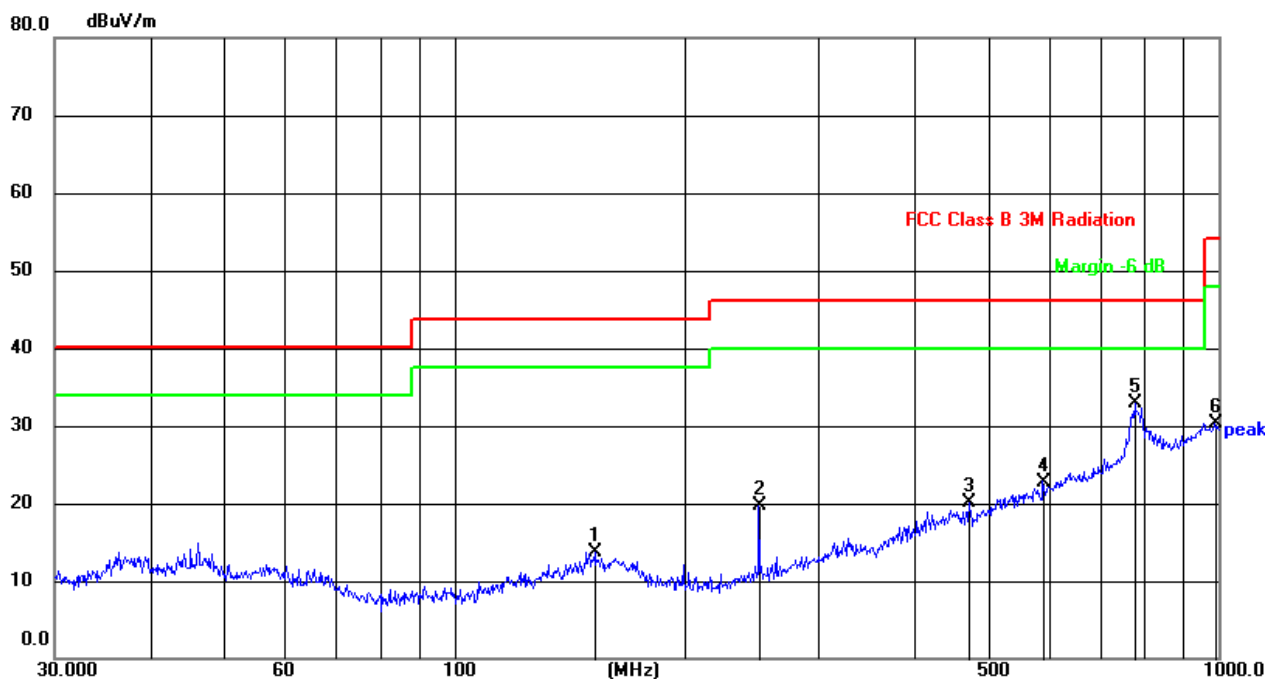


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	67.2022	40.74	-23.71	17.03	40.00	-22.97	QP
2	169.5990	35.62	-20.93	14.69	43.50	-28.81	QP
3	199.2855	39.78	-23.36	16.42	43.50	-27.08	QP
4	250.3012	46.00	-22.25	23.75	46.00	-22.25	QP
5	308.9126	37.04	-19.90	17.14	46.00	-28.86	QP
6	449.5558	34.96	-15.56	19.40	46.00	-26.60	QP

Level = Reading + Factor, Margin=level-Limit

Factor= Antenna Factor + Cable Loss – Preamplifier Factor

Test polarization:	Horizontal	Test voltage:	DC 3.7V
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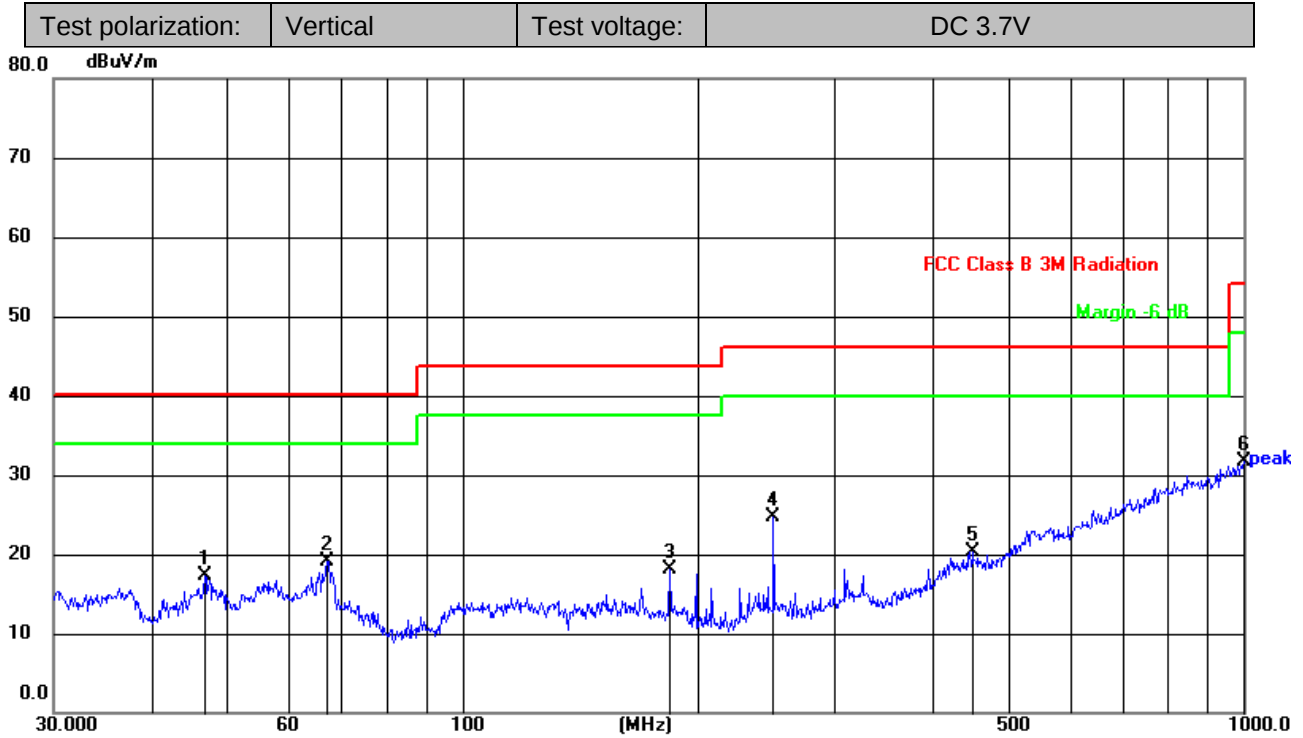
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	152.6641	34.26	-20.52	13.74	43.50	-29.76	QP
2	250.3012	41.91	-22.25	19.66	46.00	-26.34	QP
3	472.1760	35.63	-15.53	20.10	46.00	-25.90	QP
4	588.9051	34.81	-12.01	22.80	46.00	-23.20	QP
5	776.8778	40.15	-7.24	32.91	46.00	-13.09	QP
6	989.5355	33.77	-3.45	30.32	54.00	-23.68	QP

Level = Reading + Factor, Margin=level-Limit

Factor= Antenna Factor + Cable Loss – Preamplifier Factor

During the test, pre-scan the GFSK, $\pi/4$ -DQPSK modulation, and found the $\pi/4$ -DQPSK modulation which it is worse case.

YX45-R-X (Right ear) :Pre-scan all test modes, found worst case at $\pi/4$ -DQPSK (2402MHz), and report only show the test result of $\pi/4$ -DQPSK (2402MHz).

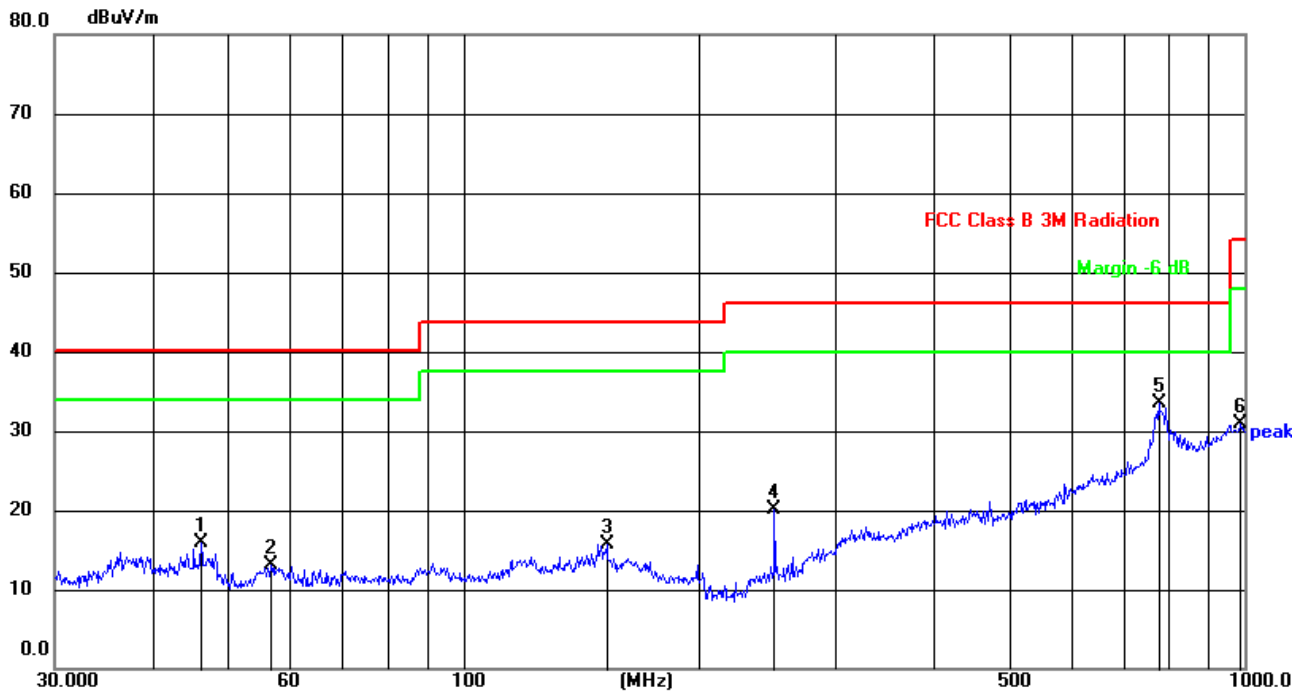


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.8301	38.68	-21.42	17.26	40.00	-22.74	QP
2	67.2021	42.74	-23.71	19.03	40.00	-20.97	QP
3	184.4898	40.79	-22.78	18.01	43.50	-25.49	QP
4	250.3009	47.00	-22.25	24.75	46.00	-21.25	QP
5	449.5557	35.96	-15.56	20.40	46.00	-25.60	QP
6	1000.0000	35.16	-3.36	31.80	54.00	-22.20	QP

Level = Reading + Factor, Margin=level-Limit

Factor= Antenna Factor + Cable Loss – Preamplifier Factor

Test polarization:	Horizontal	Test voltage:	DC 3.7V
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.1779	37.19	-21.34	15.85	40.00	-24.15	QP
2	56.7916	35.42	-22.31	13.11	40.00	-26.89	QP
3	152.6639	36.26	-20.52	15.74	43.50	-27.76	QP
4	250.3009	42.41	-22.25	20.16	46.00	-25.84	QP
5	776.8777	40.65	-7.24	33.41	46.00	-12.59	QP
6	989.5353	34.27	-3.45	30.82	54.00	-23.18	QP

Level = Reading + Factor, Margin=level-Limit

Factor= Antenna Factor + Cable Loss – Preamplifier Factor

■ Above 1GHz

YX45-L-X (left ear) :Pre-scan all test modes, found worst case at $\pi/4$ -DQPSK, and report only show the test result of $\pi/4$ -DQPSK.

Test channel:	Lowest	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	55.52	32.10	5.96	45.70	47.88	74.00	-26.12	Vertical
7206.00	51.00	36.10	6.86	45.50	48.46	74.00	-25.54	Vertical
9608.00	48.92	38.30	8.25	46.20	49.27	74.00	-24.73	Vertical
12010.00	*	--	--	--	--	74.00	--	Vertical
14412.00	*	--	--	--	--	74.00	--	Vertical
4804.00	56.00	32.10	5.96	45.70	48.36	74.00	-25.64	Horizontal
7206.00	52.28	36.10	6.86	45.50	49.74	74.00	-24.26	Horizontal
9608.00	50.76	38.30	8.25	46.20	51.11	74.00	-22.89	Horizontal
12010.00	*	--	--	--	--	74.00	--	Horizontal
14412.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	46.25	32.10	5.96	45.70	38.61	54.00	-15.39	Vertical
7206.00	41.88	36.10	6.86	45.50	39.34	54.00	-14.66	Vertical
9608.00	38.54	38.30	8.25	46.20	38.89	54.00	-15.11	Vertical
12010.00	*	--	--	--	--	54.00	--	Vertical
14412.00	*	--	--	--	--	54.00	--	Vertical
4804.00	45.36	32.10	5.96	45.70	37.72	54.00	-16.28	Horizontal
7206.00	41.00	36.10	6.86	45.50	38.46	54.00	-15.54	Horizontal
9608.00	40.46	38.30	8.25	46.20	40.81	54.00	-13.19	Horizontal
12010.00	*	--	--	--	--	54.00	--	Horizontal
14412.00	*	--	--	--	--	54.00	--	Horizontal

Test channel:	Middle	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	55.98	32.10	5.96	45.70	48.34	74.00	-25.66	Vertical
7323.00	51.45	36.80	6.86	45.50	49.61	74.00	-24.39	Vertical
9764.00	48.44	38.40	8.25	46.20	48.89	74.00	-25.11	Vertical
12205.00	*	--	--	--	--	74.00	--	Vertical
14646.00	*	--	--	--	--	74.00	--	Vertical
4882.00	54.88	32.10	5.96	45.70	47.24	74.00	-26.76	Horizontal
7323.00	51.46	36.80	6.86	45.50	49.62	74.00	-24.38	Horizontal
9764.00	48.04	38.40	8.25	46.20	48.49	74.00	-25.51	Horizontal
12205.00	*	--	--	--	--	74.00	--	Horizontal
14646.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	45.05	32.10	5.96	45.70	37.41	54.00	-16.59	Vertical
7323.00	40.21	36.80	6.86	45.50	38.37	54.00	-15.63	Vertical
9764.00	37.59	38.40	8.25	46.20	38.04	54.00	-15.96	Vertical
12205.00	*	--	--	--	--	54.00	--	Vertical
14646.00	*	--	--	--	--	54.00	--	Vertical
4882.00	44.70	32.10	5.96	45.70	37.06	54.00	-16.94	Horizontal
7323.00	40.46	36.80	6.86	45.50	38.62	54.00	-15.38	Horizontal
9764.00	37.42	38.40	8.25	46.20	37.87	54.00	-16.13	Horizontal
12205.00	*	--	--	--	--	54.00	--	Horizontal
14646.00	*	--	--	--	--	54.00	--	Horizontal

Test channel:	Highest	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	54.03	32.70	5.96	45.70	46.99	74.00	-27.01	Vertical
7440.00	51.41	36.40	6.86	45.50	49.17	74.00	-24.83	Vertical
9920.00	48.48	38.00	8.25	46.20	48.53	74.00	-25.47	Vertical
12400.00	*	--	--	--	--	74.00	--	Vertical
14880.00	*	--	--	--	--	74.00	--	Vertical
4960.00	54.32	32.70	5.96	45.70	47.28	74.00	-26.72	Horizontal
7440.00	51.53	36.40	6.86	45.50	49.29	74.00	-24.71	Horizontal
9920.00	48.61	38.00	8.25	46.20	48.66	74.00	-25.34	Horizontal
12400.00	*	--	--	--	--	74.00	--	Horizontal
14880.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	43.15	32.70	5.96	45.70	36.11	54.00	-17.89	Vertical
7440.00	41.45	36.40	6.86	45.50	39.21	54.00	-14.79	Vertical
9920.00	37.73	38.00	8.25	46.20	37.78	54.00	-16.22	Vertical
12400.00	*	--	--	--	--	54.00	--	Vertical
14880.00	*	--	--	--	--	54.00	--	Vertical
4960.00	44.31	32.70	5.96	45.70	37.27	54.00	-16.73	Horizontal
7440.00	41.19	36.40	6.86	45.50	38.95	54.00	-15.05	Horizontal
9920.00	37.88	38.00	8.25	46.20	37.93	54.00	-16.07	Horizontal
12400.00	*	--	--	--	--	54.00		Horizontal
14880.00	*	--	--	--	--	54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

YX45-R-X (Right ear) :Pre-scan all test modes, found worst case at $\pi/4$ -DQPSK, and report only show the test result of $\pi/4$ -DQPSK.

Test channel:	Lowest	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	55.92	32.10	5.96	45.70	48.28	74.00	-25.72	Vertical
7206.00	51.89	36.10	6.86	45.50	49.35	74.00	-24.65	Vertical
9608.00	51.24	38.30	8.25	46.20	51.59	74.00	-22.41	Vertical
12010.00	*	--	--	--	--	74.00	--	Vertical
14412.00	*	--	--	--	--	74.00	--	Vertical
4804.00	58.60	32.10	5.96	45.70	50.96	74.00	-23.04	Horizontal
7206.00	53.50	36.10	6.86	45.50	50.96	74.00	-23.04	Horizontal
9608.00	52.91	38.30	8.25	46.20	53.26	74.00	-20.74	Horizontal
12010.00	*	--	--	--	--	74.00	--	Horizontal
14412.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	48.70	32.10	5.96	45.70	41.06	54.00	-12.94	Vertical
7206.00	42.82	36.10	6.86	45.50	40.28	54.00	-13.72	Vertical
9608.00	41.73	38.30	8.25	46.20	42.08	54.00	-11.92	Vertical
12010.00	*	--	--	--	--	54.00	--	Vertical
14412.00	*	--	--	--	--	54.00	--	Vertical
4804.00	49.31	32.10	5.96	45.70	41.67	54.00	-12.33	Horizontal
7206.00	42.90	36.10	6.86	45.50	40.36	54.00	-13.64	Horizontal
9608.00	41.12	38.30	8.25	46.20	41.47	54.00	-12.53	Horizontal
12010.00	*	--	--	--	--	54.00	--	Horizontal
14412.00	*	--	--	--	--	54.00	--	Horizontal

Test channel:	Middle	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	56.27	32.10	5.96	45.70	48.63	74.00	-25.37	Vertical
7323.00	51.24	36.80	6.86	45.50	49.40	74.00	-24.60	Vertical
9764.00	49.83	38.40	8.25	46.20	50.28	74.00	-23.72	Vertical
12205.00	*	--	--	--	--	74.00	--	Vertical
14646.00	*	--	--	--	--	74.00	--	Vertical
4882.00	57.41	32.10	5.96	45.70	49.77	74.00	-24.23	Horizontal
7323.00	53.57	36.80	6.86	45.50	51.73	74.00	-22.27	Horizontal
9764.00	50.81	38.40	8.25	46.20	51.26	74.00	-22.74	Horizontal
12205.00	*	--	--	--	--	74.00	--	Horizontal
14646.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	44.40	32.10	5.96	45.70	36.76	54.00	-17.24	Vertical
7323.00	42.89	36.80	6.86	45.50	41.05	54.00	-12.95	Vertical
9764.00	41.31	38.40	8.25	46.20	41.76	54.00	-12.24	Vertical
12205.00	*	--	--	--	--	54.00	--	Vertical
14646.00	*	--	--	--	--	54.00	--	Vertical
4882.00	44.81	32.10	5.96	45.70	37.17	54.00	-16.83	Horizontal
7323.00	41.59	36.80	6.86	45.50	39.75	54.00	-14.25	Horizontal
9764.00	40.81	38.40	8.25	46.20	41.26	54.00	-12.74	Horizontal
12205.00	*	--	--	--	--	54.00	--	Horizontal
14646.00	*	--	--	--	--	54.00	--	Horizontal

Test channel:	Highest	Test voltage:	DC 3.7V
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	56.68	32.70	5.96	45.70	49.64	74.00	-24.36	Vertical
7440.00	49.98	36.40	6.86	45.50	47.74	74.00	-26.26	Vertical
9920.00	49.62	38.00	8.25	46.20	49.67	74.00	-24.33	Vertical
12400.00	*	--	--	--	--	74.00	--	Vertical
14880.00	*	--	--	--	--	74.00	--	Vertical
4960.00	56.69	32.70	5.96	45.70	49.65	74.00	-24.35	Horizontal
7440.00	52.44	36.40	6.86	45.50	50.20	74.00	-23.80	Horizontal
9920.00	51.64	38.00	8.25	46.20	51.69	74.00	-22.31	Horizontal
12400.00	*	--	--	--	--	74.00	--	Horizontal
14880.00	*	--	--	--	--	74.00	--	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	42.62	32.70	5.96	45.70	35.58	54.00	-18.42	Vertical
7440.00	38.70	36.40	6.86	45.50	36.46	54.00	-17.54	Vertical
9920.00	39.60	38.00	8.25	46.20	39.65	54.00	-14.35	Vertical
12400.00	*	--	--	--	--	54.00	--	Vertical
14880.00	*	--	--	--	--	54.00	--	Vertical
4960.00	43.81	32.70	5.96	45.70	36.77	54.00	-17.23	Horizontal
7440.00	38.71	36.40	6.86	45.50	36.47	54.00	-17.53	Horizontal
9920.00	38.91	38.00	8.25	46.20	38.96	54.00	-15.04	Horizontal
12400.00	*	--	--	--	--	54.00		Horizontal
14880.00	*	--	--	--	--	54.00		Horizontal

Remarks:

4. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
5. “*”, means this data is the too weak instrument of signal is unable to test.
The emission levels of other frequencies are very lower than the limit and not show in test report.

5 Test Setup Photo

Reference to the **appendix I** for details.

6 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----