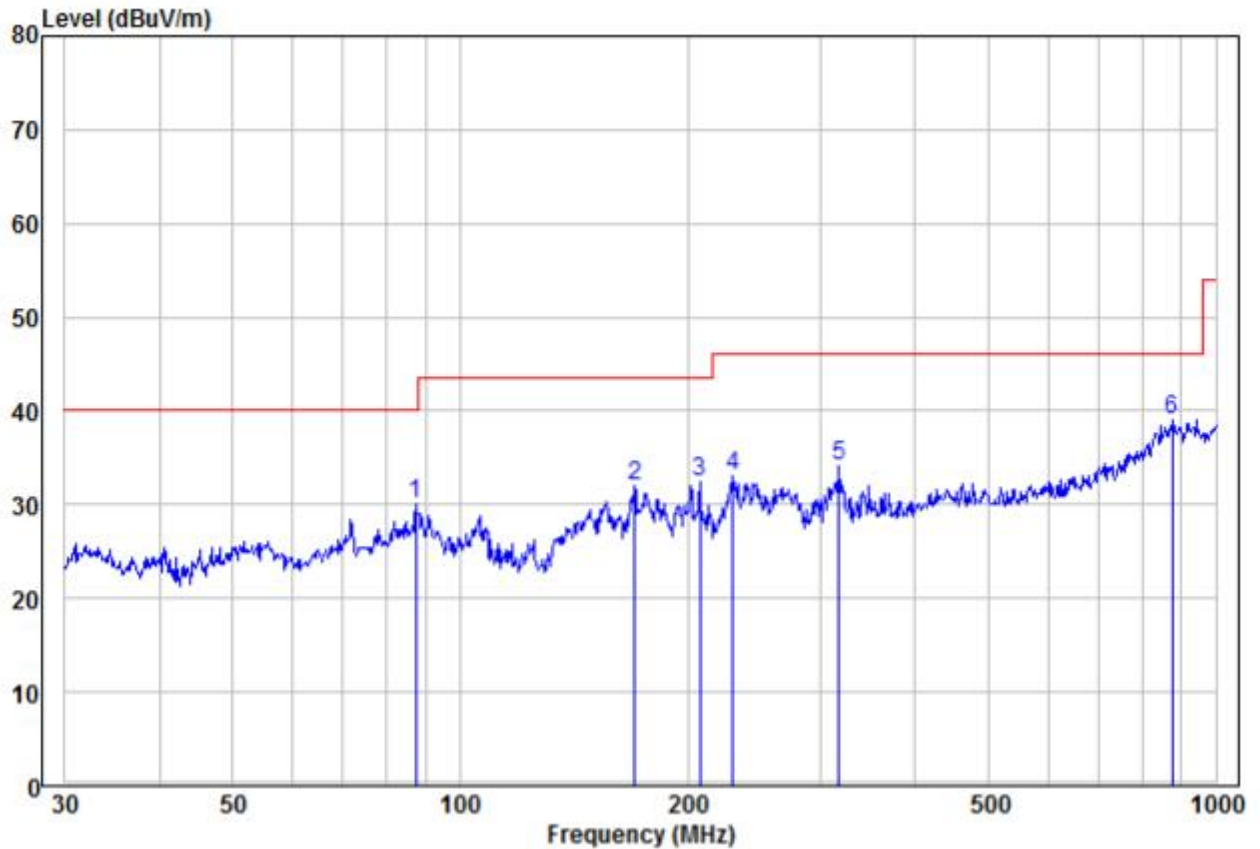


30MHz~1GHz, the worst case

Test mode:

Transmitting mode

Vertical



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	87.42	19.51	10.67	30.18	40.00	-9.82	Peak	VERTICAL	100	360
2	170.19	21.30	10.71	32.01	43.50	-11.49	Peak	VERTICAL	100	214
3	207.85	19.13	13.24	32.37	43.50	-11.13	Peak	VERTICAL	100	276
4	229.29	18.24	14.74	32.98	46.00	-13.02	Peak	VERTICAL	100	142
5	317.70	16.04	18.20	34.24	46.00	-11.76	Peak	VERTICAL	100	102
6 pp	875.25	9.59	29.43	39.02	46.00	-6.98	Peak	VERTICAL	100	63

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

5.11.2 Transmitter Emission above 1GHz

Worse case mode:		GFSK(DH5)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390	55.28	-9.2	46.08	74	-27.92	Peak	H	1.5	249
2400	54.99	-9.39	45.60	74	-28.40	Peak	H	1.5	64
4804	51.51	-4.33	47.18	74	-26.82	Peak	H	1.5	51
7206	49.36	1.01	50.37	74	-23.63	Peak	H	1.5	63
2390	54.16	-9.2	44.96	74	-29.04	Peak	V	1.5	29
2400	50.68	-9.39	41.29	74	-32.71	Peak	V	1.5	10
4804	54.39	-4.33	50.06	74	-23.94	Peak	V	1.5	272
7206	49.18	1.01	50.19	74	-23.81	Peak	V	1.5	49

Worse case mode:		GFSK(DH5)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4882	50.36	-4.11	46.25	74	-27.75	peak	H	1.5	130
7323	48.31	1.51	49.82	74	-24.18	peak	H	1.5	168
4882	53.07	-4.11	48.96	74	-25.04	peak	V	1.5	265
7323	49.19	1.51	50.70	74	-23.30	peak	V	1.5	204

Worse case mode:		GFSK(DH5)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2483.5	55.21	-9.29	45.92	74	-28.08	Peak	H	1.5	284
4960	51.70	-4.04	47.66	74	-26.34	Peak	H	1.5	33
7440	48.39	1.57	49.96	74	-24.04	Peak	H	1.5	280
2483.5	57.65	-9.29	48.36	74	-25.64	Peak	V	1.5	179
4960	50.62	-4.04	46.58	74	-27.42	Peak	V	1.5	196
7440	50.75	1.57	52.32	74	-21.68	Peak	V	1.5	49

Worse case mode:		$\pi/4$ DQPSK (2DH5)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V	(m)	(Degree)
2390	54.70	-9.2	45.50	74	-28.50	Peak	H	1.5	111
2400	56.33	-9.39	46.94	74	-27.06	Peak	H	1.5	173
4804	52.50	-4.33	48.17	74	-25.83	Peak	H	1.5	82
7206	49.60	1.01	50.61	74	-23.39	Peak	H	1.5	302
2390	54.35	-9.2	45.15	74	-28.85	Peak	V	1.5	152
2400	52.96	-9.39	43.57	74	-30.43	Peak	V	1.5	246
4804	53.21	-4.33	48.88	74	-25.12	Peak	V	1.5	169
7206	49.09	1.01	50.10	74	-23.90	Peak	V	1.5	334

Worse case mode:		$\pi/4$ DQPSK (2DH5)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V	(m)	(Degree)
4882	50.33	-4.11	46.22	74	-27.78	peak	H	1.5	131
7323	48.34	1.51	49.85	74	-24.15	peak	H	1.5	6
4882	52.66	-4.11	48.55	74	-25.45	peak	V	1.5	42
7323	48.43	1.51	49.94	74	-24.06	peak	V	1.5	137

Worse case mode:		$\pi/4$ DQPSK (2DH5)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V	(m)	(Degree)
2483.5	57.07	-9.29	47.78	74	-26.22	Peak	H	1.5	54
4960	51.38	-4.04	47.34	74	-26.66	Peak	H	1.5	319
7440	50.64	1.57	52.21	74	-21.79	Peak	H	1.5	322
2483.5	56.95	-9.29	47.66	74	-26.34	Peak	V	1.5	295
4960	51.87	-4.04	47.83	74	-26.17	Peak	V	1.5	273
7440	50.65	1.57	52.22	74	-21.78	Peak	V	1.5	15

Worse case mode:		8DPSK (3DH5)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390	53.57	-9.2	44.37	74	-29.63	Peak	H	1.5	215
2400	56.37	-9.39	46.98	74	-27.02	Peak	H	1.5	291
4804	52.00	-4.33	47.67	74	-26.33	Peak	H	1.5	330
7206	49.09	1.01	50.10	74	-23.90	Peak	H	1.5	136
2390	52.71	-9.2	43.51	74	-30.49	Peak	V	1.5	160
2400	52.90	-9.39	43.51	74	-30.49	Peak	V	1.5	163
4804	53.94	-4.33	49.61	74	-24.39	Peak	V	1.5	22
7206	48.60	1.01	49.61	74	-24.39	Peak	V	1.5	291

Worse case mode:		8DPSK (3DH5)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4882	53.17	-4.11	49.06	74	-24.94	peak	H	1.5	143
7323	50.65	1.51	52.16	74	-21.84	peak	H	1.5	11
4882	51.70	-4.11	47.59	74	-26.41	peak	V	1.5	212
7323	50.89	1.51	52.40	74	-21.60	peak	V	1.5	115

Worse case mode:		8DPSK (3DH5)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2483.5	56.96	-9.29	47.67	74	-26.33	Peak	H	1.5	200
4960	52.55	-4.04	48.51	74	-25.49	Peak	H	1.5	337
7440	49.89	1.57	51.46	74	-22.54	Peak	H	1.5	220
2483.5	55.47	-9.29	46.18	74	-27.82	Peak	V	1.5	124
4960	51.71	-4.04	47.67	74	-26.33	Peak	V	1.5	308
7440	49.29	1.57	50.86	74	-23.14	Peak	V	1.5	14

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.

6 Photographs - EUT Test Setup

6.1 Radiated Emission

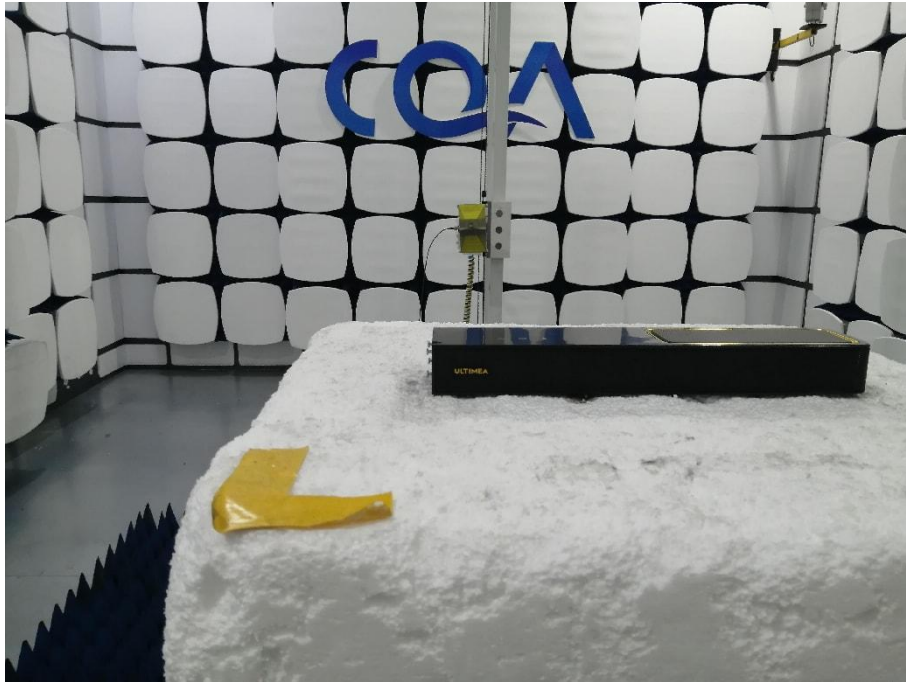
9kHz~30MHz:



30MHz~1GHz:



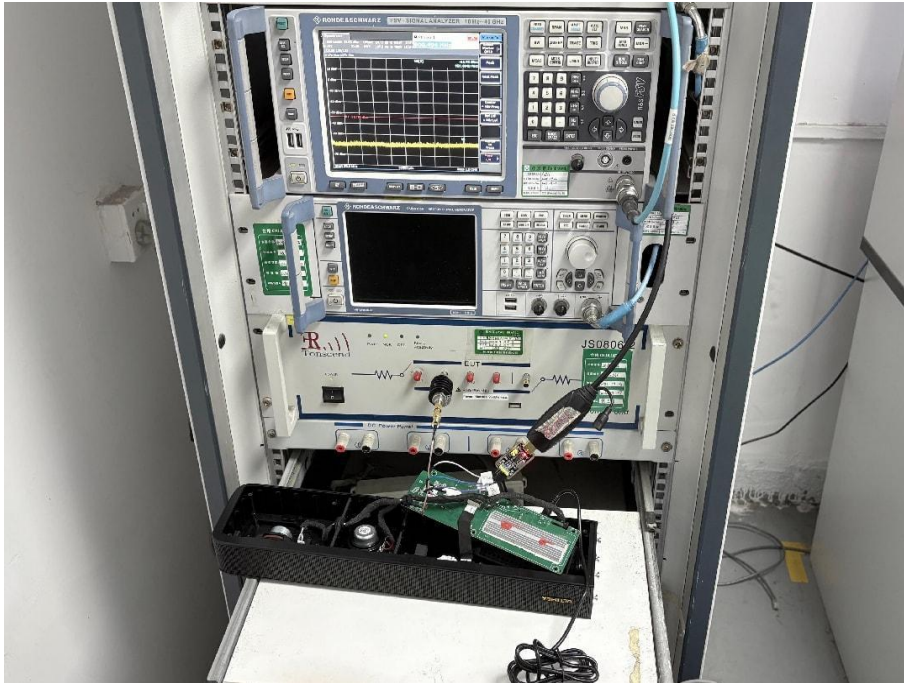
Above 1GHz:



6.2 Conducted Emissions Test Setup



6.3 RF Conducted measurement



7 Photographs - EUT Constructional Details

Refer to Photographs - EUT Constructional Details OF EUT for CQASZ20250300668E-01.

*** END OF REPORT ***