

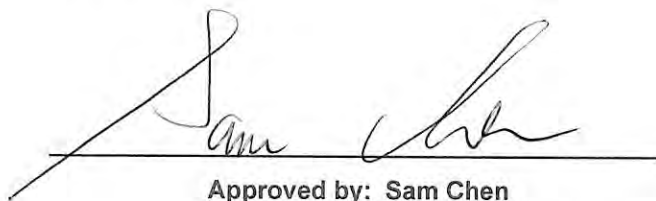


RADIO TEST REPORT

FCC ID : TLZ-XM455
Equipment : IEEE 802.11 2X2 WiFi 6 MIMO Wireless LAN + Bluetooth 5.3 Combo LGA Module
Brand Name : AzureWave
Model Name : AW-XM455
Applicant : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 24, 2022, and testing was started from Nov. 05, 2022 and completed on Feb. 09, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_5 Ver1.3



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen**Report Producer: Vicky Huang**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2400-2483.5	BT-BR(1Mbps)	1	1
2400-2483.5	BT-EDR(2Mbps)	1	1
2400-2483.5	BT-EDR(3Mbps)	1	1

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	1/2	1/2	1	MAG. LAYERS	MSA-4008-25GC1-A2	PIFA	I-PEX	Note 1
2	1/2	1/2	1	SONY	IW611-IW620-D(100)	Dipole	I-PEX	
3	1/2	1/2	1	SONY	IW611-IW620-D(110)	Dipole	I-PEX	
4	1/2	1/2	1	SONY	IW611-IW620-D(120)	Dipole	I-PEX	
5	1/2	1/2	1	SONY	IW611-IW620-D(130)	Dipole	I-PEX	
6	1/2	1/2	1	SONY	IW611-IW620-D(140)	Dipole	I-PEX	
7	1/2	1/2	1	SONY	IW611-IW620-D(150)	Dipole	I-PEX	
8	1/2	1/2	1	SONY	IW611-IW620-D(160)	Dipole	I-PEX	
9	1/2	1/2	1	SONY	IW611-IW620-D(170)	Dipole	I-PEX	
10	1/2	1/2	1	SONY	IW611-IW620-D(180)	Dipole	I-PEX	
11	1/2	1/2	1	SONY	IW611-IW620-D(190)	Dipole	I-PEX	
12	1/2	1/2	1	SONY	IW611-IW620-D(200)	Dipole	I-PEX	
13	1/2	1/2	1	SONY	IW611-IW620-D(210)	Dipole	I-PEX	
14	1/2	1/2	1	SONY	IW611-IW620-D(220)	Dipole	I-PEX	
15	1/2	1/2	1	SONY	IW611-IW620-D(230)	Dipole	I-PEX	
16	1/2	1/2	1	SONY	IW611-IW620-D(240)	Dipole	I-PEX	
17	1/2	1/2	1	SONY	IW611-IW620-D(250)	Dipole	I-PEX	
18	1/2	1/2	1	SONY	IW611-IW620-D(260)	Dipole	I-PEX	
19	1/2	1/2	1	SONY	IW611-IW620-D(270)	Dipole	I-PEX	
20	1/2	1/2	1	SONY	IW611-IW620-D(280)	Dipole	I-PEX	
21	1/2	1/2	1	SONY	IW611-IW620-D(290)	Dipole	I-PEX	
22	1/2	1/2	1	SONY	IW611-IW620-D(300)	Dipole	I-PEX	
23	1/2	1/2	1	SONY	IW611-IW620-D(310)	Dipole	I-PEX	
24	1/2	1/2	1	SONY	IW611-IW620-D(320)	Dipole	I-PEX	
25	1/2	1/2	1	SONY	IW611-IW620-D(330)	Dipole	I-PEX	
26	1/2	1/2	1	SONY	IW611-IW620-D(340)	Dipole	I-PEX	
27	1/2	1/2	1	SONY	IW611-IW620-D(350)	Dipole	I-PEX	
28	1/2	1/2	1	SONY	IW611-IW620-D(360)	Dipole	I-PEX	
29	1/2	1/2	1	SONY	IW611-IW620-D(370)	Dipole	I-PEX	
30	1/2	1/2	1	SONY	IW611-IW620-D(380)	Dipole	I-PEX	
31	1/2	1/2	1	SONY	IW611-IW620-D(390)	Dipole	I-PEX	
32	1/2	1/2	1	SONY	IW611-IW620-D(400)	Dipole	I-PEX	
33	1/2	1/2	1	SONY	IW611-IW620-D(410)	Dipole	I-PEX	
34	1/2	1/2	1	SONY	IW611-IW620-D(420)	Dipole	I-PEX	
35	1/2	1/2	1	SONY	IW611-IW620-D(430)	Dipole	I-PEX	
36	1/2	1/2	1	SONY	IW611-IW620-D(440)	Dipole	I-PEX	
37	1/2	1/2	1	SONY	IW611-IW620-D(450)	Dipole	I-PEX	
38	1/2	1/2	1	SONY	IW611-IW620-D(460)	Dipole	I-PEX	

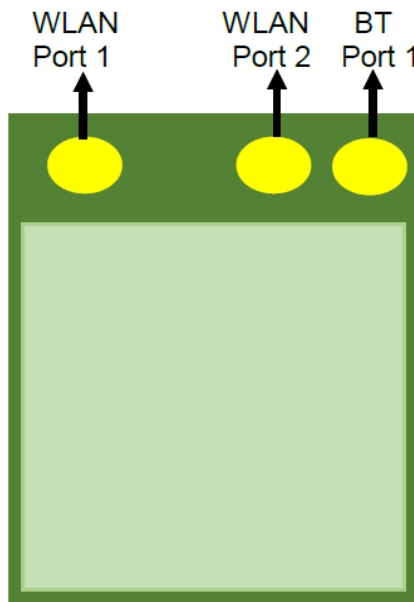


39	1/2	1/2	1	SONY	IW611-IW620-D(470)	Dipole	I-PEX	Note 1
40	1/2	1/2	1	SONY	IW611-IW620-D(480)	Dipole	I-PEX	
41	1/2	1/2	1	SONY	IW611-IW620-D(490)	Dipole	I-PEX	
42	1/2	1/2	1	SONY	IW611-IW620-D(500)	Dipole	I-PEX	
43	1/2	1/2	1	SONY	IW611-IW620-D(510)	Dipole	I-PEX	
44	1/2	1/2	1	SONY	IW611-IW620-D(520)	Dipole	I-PEX	
45	1/2	1/2	1	SONY	IW611-IW620-D(530)	Dipole	I-PEX	
46	1/2	1/2	1	SONY	IW611-IW620-D(540)	Dipole	I-PEX	
47	1/2	1/2	1	SONY	IW611-IW620-D(550)	Dipole	I-PEX	
48	1/2	1/2	1	SONY	IW611-IW620-D(560)	Dipole	I-PEX	
49	1/2	1/2	1	SONY	IW611-IW620-D(570)	Dipole	I-PEX	
50	1/2	1/2	1	SONY	IW611-IW620-D(580)	Dipole	I-PEX	
51	1/2	1/2	1	SONY	IW611-IW620-D(590)	Dipole	I-PEX	
52	1/2	1/2	1	SONY	IW611-IW620-D(600)	Dipole	I-PEX	
53	1/2	1/2	1	SONY	IW611-IW620-D(610)	Dipole	I-PEX	
54	1/2	1/2	1	SONY	IW611-IW620-D(620)	Dipole	I-PEX	
55	1/2	1/2	1	SONY	IW611-IW620-D(630)	Dipole	I-PEX	
56	1/2	1/2	1	SONY	IW611-IW620-D(640)	Dipole	I-PEX	
57	1/2	1/2	1	SONY	IW611-IW620-D(650)	Dipole	I-PEX	
58	1/2	1/2	1	SONY	IW611-IW620-D(660)	Dipole	I-PEX	
59	1/2	1/2	1	SONY	IW611-IW620-D(670)	Dipole	I-PEX	
60	1/2	1/2	1	SONY	IW611-IW620-D(680)	Dipole	I-PEX	
61	1/2	1/2	1	SONY	IW611-IW620-D(690)	Dipole	I-PEX	
62	1/2	1/2	1	SONY	IW611-IW620-D(700)	Dipole	I-PEX	
63	1/2	1/2	1	SONY	IW611-IW620-D(710)	Dipole	I-PEX	
64	1/2	1/2	1	SONY	IW611-IW620-D(720)	Dipole	I-PEX	
65	1/2	1/2	1	SONY	IW611-IW620-D(730)	Dipole	I-PEX	
66	1/2	1/2	1	SONY	IW611-IW620-D(740)	Dipole	I-PEX	
67	1/2	1/2	1	SONY	IW611-IW620-D(750)	Dipole	I-PEX	
68	1/2	1/2	1	SONY	IW611-IW620-D(760)	Dipole	I-PEX	
69	1/2	1/2	1	SONY	IW611-IW620-D(770)	Dipole	I-PEX	
70	1/2	1/2	1	SONY	IW611-IW620-D(780)	Dipole	I-PEX	
71	1/2	1/2	1	SONY	IW611-IW620-D(790)	Dipole	I-PEX	
72	1/2	1/2	1	SONY	IW611-IW620-D(800)	Dipole	I-PEX	
73	1/2	1/2	1	SONY	IW611-IW620-G(100)	Dipole	I-PEX	
74	1/2	1/2	1	SONY	IW611-IW620-G(110)	Dipole	I-PEX	
75	1/2	1/2	1	SONY	IW611-IW620-G(120)	Dipole	I-PEX	
76	1/2	1/2	1	SONY	IW611-IW620-G(130)	Dipole	I-PEX	
77	1/2	1/2	1	SONY	IW611-IW620-G(140)	Dipole	I-PEX	
78	1/2	1/2	1	SONY	IW611-IW620-G(150)	Dipole	I-PEX	
79	1/2	1/2	1	SONY	IW611-IW620-G(160)	Dipole	I-PEX	
80	1/2	1/2	1	SONY	IW611-IW620-G(170)	Dipole	I-PEX	



81	1/2	1/2	1	SONY	IW611-IW620-G(180)	Dipole	I-PEX	Note 1
82	1/2	1/2	1	SONY	IW611-IW620-G(190)	Dipole	I-PEX	
83	1/2	1/2	1	SONY	IW611-IW620-G(200)	Dipole	I-PEX	
84	1/2	1/2	1	SONY	IW611-IW620-G(210)	Dipole	I-PEX	
85	1/2	1/2	1	SONY	IW611-IW620-G(220)	Dipole	I-PEX	
86	1/2	1/2	1	SONY	IW611-IW620-G(230)	Dipole	I-PEX	
87	1/2	1/2	1	SONY	IW611-IW620-G(240)	Dipole	I-PEX	
88	1/2	1/2	1	SONY	IW611-IW620-G(250)	Dipole	I-PEX	
89	1/2	1/2	1	SONY	IW611-IW620-G(260)	Dipole	I-PEX	
90	1/2	1/2	1	SONY	IW611-IW620-G(270)	Dipole	I-PEX	
91	1/2	1/2	1	SONY	IW611-IW620-G(280)	Dipole	I-PEX	
92	1/2	1/2	1	SONY	IW611-IW620-G(290)	Dipole	I-PEX	
93	1/2	1/2	1	SONY	IW611-IW620-G(300)	Dipole	I-PEX	
94	1/2	1/2	1	SONY	IW611-IW620-G(310)	Dipole	I-PEX	
95	1/2	1/2	1	SONY	IW611-IW620-G(320)	Dipole	I-PEX	
96	1/2	1/2	1	SONY	IW611-IW620-G(330)	Dipole	I-PEX	
97	1/2	1/2	1	SONY	IW611-IW620-G(340)	Dipole	I-PEX	
98	1/2	1/2	1	SONY	IW611-IW620-G(350)	Dipole	I-PEX	
99	1/2	1/2	1	SONY	IW611-IW620-G(360)	Dipole	I-PEX	
100	1/2	1/2	1	SONY	IW611-IW620-G(370)	Dipole	I-PEX	
101	1/2	1/2	1	SONY	IW611-IW620-G(380)	Dipole	I-PEX	
102	1/2	1/2	1	SONY	IW611-IW620-G(390)	Dipole	I-PEX	
103	1/2	1/2	1	SONY	IW611-IW620-G(400)	Dipole	I-PEX	
104	1/2	1/2	1	SONY	IW611-IW620-G(410)	Dipole	I-PEX	
105	1/2	1/2	1	SONY	IW611-IW620-G(420)	Dipole	I-PEX	
106	1/2	1/2	1	SONY	IW611-IW620-G(430)	Dipole	I-PEX	
107	1/2	1/2	1	SONY	IW611-IW620-G(440)	Dipole	I-PEX	
108	1/2	1/2	1	SONY	IW611-IW620-G(450)	Dipole	I-PEX	
109	1/2	1/2	1	SONY	IW611-IW620-G(460)	Dipole	I-PEX	
110	1/2	1/2	1	SONY	IW611-IW620-G(470)	Dipole	I-PEX	
111	1/2	1/2	1	SONY	IW611-IW620-G(480)	Dipole	I-PEX	
112	1/2	1/2	1	SONY	IW611-IW620-G(490)	Dipole	I-PEX	
113	1/2	1/2	1	SONY	IW611-IW620-G(500)	Dipole	I-PEX	
114	1/2	1/2	1	SONY	IW611-IW620-G(510)	Dipole	I-PEX	
115	1/2	1/2	1	SONY	IW611-IW620-G(520)	Dipole	I-PEX	
116	1/2	1/2	1	SONY	IW611-IW620-G(530)	Dipole	I-PEX	
117	1/2	1/2	1	SONY	IW611-IW620-G(540)	Dipole	I-PEX	
118	1/2	1/2	1	SONY	IW611-IW620-G(550)	Dipole	I-PEX	
119	1/2	1/2	1	SONY	IW611-IW620-G(560)	Dipole	I-PEX	
120	1/2	1/2	1	SONY	IW611-IW620-G(570)	Dipole	I-PEX	
121	1/2	1/2	1	SONY	IW611-IW620-G(580)	Dipole	I-PEX	
122	1/2	1/2	1	SONY	IW611-IW620-G(590)	Dipole	I-PEX	

123	1/2	1/2	1	SONY	IW611-IW620-G(600)	Dipole	I-PEX	Note 1
124	1/2	1/2	1	SONY	IW611-IW620-G(610)	Dipole	I-PEX	
125	1/2	1/2	1	SONY	IW611-IW620-G(620)	Dipole	I-PEX	
126	1/2	1/2	1	SONY	IW611-IW620-G(630)	Dipole	I-PEX	
127	1/2	1/2	1	SONY	IW611-IW620-G(640)	Dipole	I-PEX	
128	1/2	1/2	1	SONY	IW611-IW620-G(650)	Dipole	I-PEX	
129	1/2	1/2	1	SONY	IW611-IW620-G(660)	Dipole	I-PEX	
130	1/2	1/2	1	SONY	IW611-IW620-G(670)	Dipole	I-PEX	
131	1/2	1/2	1	SONY	IW611-IW620-G(680)	Dipole	I-PEX	
132	1/2	1/2	1	SONY	IW611-IW620-G(690)	Dipole	I-PEX	
133	1/2	1/2	1	SONY	IW611-IW620-G(700)	Dipole	I-PEX	
134	1/2	1/2	1	SONY	IW611-IW620-G(710)	Dipole	I-PEX	
135	1/2	1/2	1	SONY	IW611-IW620-G(720)	Dipole	I-PEX	
136	1/2	1/2	1	SONY	IW611-IW620-G(730)	Dipole	I-PEX	
137	1/2	1/2	1	SONY	IW611-IW620-G(740)	Dipole	I-PEX	
138	1/2	1/2	1	SONY	IW611-IW620-G(750)	Dipole	I-PEX	
139	1/2	1/2	1	SONY	IW611-IW620-G(760)	Dipole	I-PEX	
140	1/2	1/2	1	SONY	IW611-IW620-G(770)	Dipole	I-PEX	
141	1/2	1/2	1	SONY	IW611-IW620-G(780)	Dipole	I-PEX	
142	1/2	1/2	1	SONY	IW611-IW620-G(790)	Dipole	I-PEX	
143	1/2	1/2	1	SONY	IW611-IW620-G(800)	Dipole	I-PEX	

WLAN Port1 / WLAN Port2 / BT Port 1 Location




Note 1:

Ant.	Gain (dBi)	
	WLAN 2.4GHz/Bluetooth	WLAN 5GHz
1	2.98	5.16
2	0.38	1.68
3	0.35	1.63
4	0.32	1.59
5	0.28	1.54
6	0.25	1.49
7	0.22	1.45
8	0.19	1.4
9	0.16	1.36
10	0.13	1.31
11	0.09	1.26
12	0.06	1.22
13	0.03	1.17
14	0.00	1.12
15	-0.03	1.08
16	-0.06	1.03
17	-0.10	0.99
18	-0.13	0.94
19	-0.16	0.89
20	-0.19	0.85
21	-0.22	0.8
22	-0.25	0.75
23	-0.29	0.71
24	-0.32	0.66
25	-0.35	0.62
26	-0.38	0.57
27	-0.41	0.52
28	-0.44	0.48
29	-0.48	0.43
30	-0.51	0.38
31	-0.54	0.34
32	-0.57	0.29
33	-0.60	0.24
34	-0.63	0.2
35	-0.67	0.15
36	-0.70	0.11
37	-0.73	0.06
38	-0.76	0.01



39	-0.79	-0.03
40	-0.82	-0.08
41	-0.86	-0.13
42	-0.89	-0.17
43	-0.92	-0.22
44	-0.95	-0.26
45	-0.98	-0.31
46	-1.01	-0.36
47	-1.05	-0.4
48	-1.08	-0.45
49	-1.11	-0.5
50	-1.14	-0.54
51	-1.17	-0.59
52	-1.21	-0.64
53	-1.24	-0.68
54	-1.27	-0.73
55	-1.30	-0.77
56	-1.33	-0.82
57	-1.36	-0.87
58	-1.40	-0.91
59	-1.43	-0.96
60	-1.46	-1.01
61	-1.49	-1.05
62	-1.52	-1.1
63	-1.55	-1.14
64	-1.59	-1.19
65	-1.62	-1.24
66	-1.65	-1.28
67	-1.68	-1.33
68	-1.71	-1.38
69	-1.74	-1.42
70	-1.78	-1.47
71	-1.81	-1.51
72	-1.84	-1.56
73	0.29	1.36
74	0.26	1.31
75	0.23	1.27
76	0.19	1.22
77	0.16	1.17
78	0.13	1.13
79	0.10	1.08



80	0.07	1.04
81	0.04	0.99
82	0.00	0.94
83	-0.03	0.9
84	-0.06	0.85
85	-0.09	0.8
86	-0.12	0.76
87	-0.15	0.71
88	-0.19	0.67
89	-0.22	0.62
90	-0.25	0.57
91	-0.28	0.53
92	-0.31	0.48
93	-0.34	0.43
94	-0.38	0.39
95	-0.41	0.34
96	-0.44	0.3
97	-0.47	0.25
98	-0.50	0.2
99	-0.53	0.16
100	-0.57	0.11
101	-0.60	0.06
102	-0.63	0.02
103	-0.66	-0.03
104	-0.69	-0.08
105	-0.72	-0.12
106	-0.76	-0.17
107	-0.79	-0.21
108	-0.82	-0.26
109	-0.85	-0.31
110	-0.88	-0.35
111	-0.91	-0.4
112	-0.95	-0.45
113	-0.98	-0.49
114	-1.01	-0.54
115	-1.04	-0.58
116	-1.07	-0.63
117	-1.10	-0.68
118	-1.14	-0.72
119	-1.17	-0.77
120	-1.20	-0.82



121	-1.23	-0.86
122	-1.26	-0.91
123	-1.30	-0.96
124	-1.33	-1
125	-1.36	-1.05
126	-1.39	-1.09
127	-1.42	-1.14
128	-1.45	-1.19
129	-1.49	-1.23
130	-1.52	-1.28
131	-1.55	-1.33
132	-1.58	-1.37
133	-1.61	-1.42
134	-1.64	-1.46
135	-1.68	-1.51
136	-1.71	-1.56
137	-1.74	-1.6
138	-1.77	-1.65
139	-1.80	-1.7
140	-1.83	-1.74
141	-1.87	-1.79
142	-1.90	-1.83
143	-1.93	-1.88

Note2: The above information was declared by manufacturer.

For the radiated test: The EUT has two types of antenna. Only the highest gain antenna was selected from each different type of antenna to test and record in this report. Thus, Antenna 1 and 2 were selected to perform the test.

For the conducted test: The EUT has two types of antenna. Only the highest gain antenna was selected to test and record in this report. Thus, Antenna 1 was selected to perform the test.

<For WLAN 2.4GHz function>

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz function>

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

Each antenna port, please refer to the photographs of EUT.

Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}]$$

$$\Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

Antenna Gain

2.4G G1 = 2.98 dBi; G2 = 2.98 dBi

5G Band1 G1 = 5.16dBi; G2 = 5.16 dBi

5G Band2 G1 = 5.16dBi; G2 = 5.16 dBi

5G Band3 G1 = 5.16dBi; G2 = 5.16 dBi

5G Band4 G1 = 5.16dBi; G2 = 5.16 dBi

2.4G

DG = 5.99 dBi

5G

Band1 DG = 8.17 dBi

Band2 DG = 8.17 dBi

Band3 DG = 8.17 dBi

Band4 DG = 8.17 dBi

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-BR(1Mbps)	0.742	1.3	2.89m	1k
BT-EDR(2Mbps)	0.742	1.3	2.89m	1k
BT-EDR(3Mbps)	0.741	1.3	2.89m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system
Test Software Version	DutApiMimoApApp (V 1.0.0.114) 、DOS[ver 6.1.7601]

1.1.5 Table for Hardware Information

Hardware Version	Description
V04	The difference between V04 and V05 is the layout of DC-DC power and xtal. All RF layouts are the same.
V05	

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Combination

EUT	Hardware Version	Antenna Trace Type	Equip Antenna
1	V04	Design to PIFA use	Ant. 1
2	V05	Design to PIFA use	Ant. 1
3	V04	Design to Dipole use	Ant. 2~143
4	V05	Design to Dipole use	Ant. 2~143

Note:

After evaluating, the EUT 1~4 were selected to test AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz. The EUT 2 and EUT 4 were selected to test Restricted Frequency Bands above 1GHz. The EUT 2 was selected to test other test items.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.247

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Eason Chen	24.1-25.1 / 62-68	Nov. 11, 2022 ~ Jan. 18, 2023
Radiated (Below 1GHz)	03CH06-CB	Stim Sung	24.4-25.5 / 55-58	Jan. 30, 2023 ~ Jan. 31, 2023
Radiated (Above 1GHz)	03CH01-CB	Ken Yeh	21.6~22.1 / 59~62	Nov. 05, 2022 ~ Jan. 16, 2023
	03CH02-CB	Ken Yeh	21.9~22.3 / 60~65	Nov. 05, 2022 ~ Jan. 16, 2023
AC Conduction	CO01-CB	Elvin Yeh	22~23 / 50~51	Feb. 09, 2023



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(2Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(3Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link:EUT1-WLAN 2.4GHz+Bluetooth+Ant. 1
2	Normal Link:EUT1-WLAN 5GHz+Bluetooth+Ant. 1
3	Normal Link:EUT2-WLAN 2.4GHz+Bluetooth+Ant. 1
4	Normal Link:EUT2-WLAN 5GHz+Bluetooth+Ant. 1
5	Normal Link:EUT3-WLAN 2.4GHz+Bluetooth+Ant. 2
6	Normal Link:EUT3-WLAN 5GHz+Bluetooth+Ant. 2
7	Normal Link:EUT4-WLAN 2.4GHz+Bluetooth+Ant. 2
8	Normal Link:EUT4-WLAN 5GHz+Bluetooth+Ant. 2
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	EUT2+Ant. 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT1 in X axis-WLAN 2.4GHz+Bluetooth+Ant. 1
2	EUT1 in Y axis-WLAN 2.4GHz+Bluetooth+Ant. 1
3	EUT1 in Z axis-WLAN 2.4GHz+Bluetooth+Ant. 1



Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.

4	EUT1 in Z axis-WLAN 5GHz+Bluetooth+Ant. 1
---	---

Mode 3 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.

5	EUT2 in Z axis-WLAN 2.4GHz+Bluetooth+Ant. 1
6	EUT3 in X axis-WLAN 2.4GHz+Bluetooth+Ant. 2
7	EUT3 in Y axis-WLAN 2.4GHz+Bluetooth+Ant. 2
8	EUT3 in Z axis-WLAN 2.4GHz+Bluetooth+Ant. 2

Mode 6 has been evaluated to be the worst case among Mode 6~8, thus measurement for Mode 9 will follow this same test mode.

9	EUT3 in X axis-WLAN 5GHz+Bluetooth+Ant. 2
---	---

Mode 6 has been evaluated to be the worst case among Mode 6~9, thus measurement for Mode 10 will follow this same test mode.

10	EUT4 in X axis-WLAN 2.4GHz+Bluetooth+Ant. 2
----	---

For operating mode 3 is the worst case and it was record in this test report.

Operating Mode > 1GHz	CTX
---------------------------------	-----

The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:

1	EUT 2 in Y axis+Ant. 1
2	EUT 4 in Z axis+Ant. 2

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	Azurewave	2455-I4	N/A
B	NB	acer	ZQW	N/A
C	Earphone	e-Power	S90W	N/A
D	Mouse	acer	MOBVUO	N/A
E	Smart phone	Samsung	Galaxy J2	A3LSMJ200F
F	AP Router	TP-LINK	Archer AX10	TE7AX10V1

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	Azurewave	2455-I4	N/A
C	WLAN AP	NETGEAR	WNDR3300v2	PY309300116
D	iPhone 4	Apple	A1332	BCG-E2380A
E	Mouse	Logitech	M-U0026	N/A
F	Earphone	e-Power	S90W	N/A

For Radiated (above 1GHz):

Mode 1:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Fixture	Azurewave	2455-I4	N/A

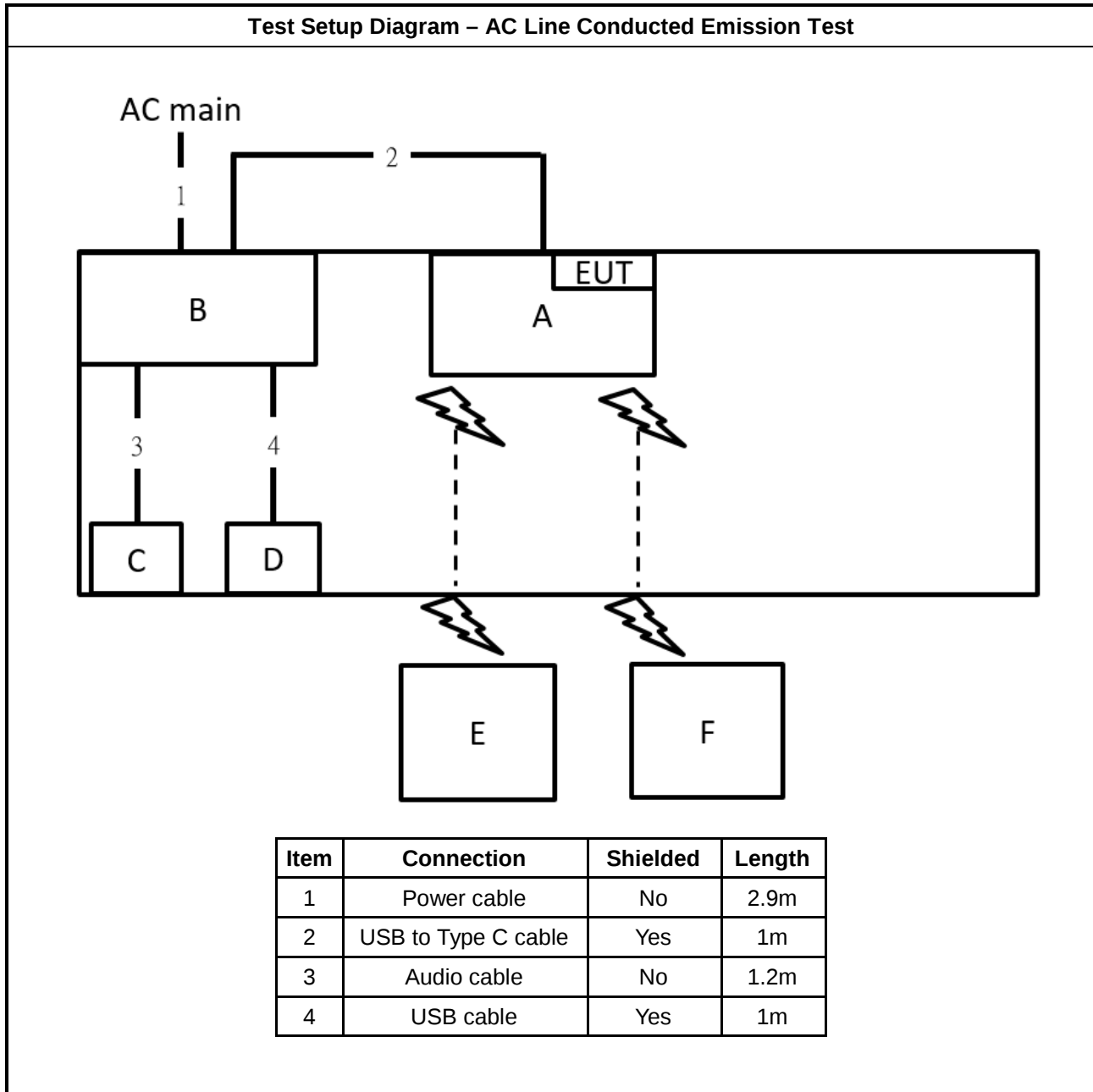
Mode 2:

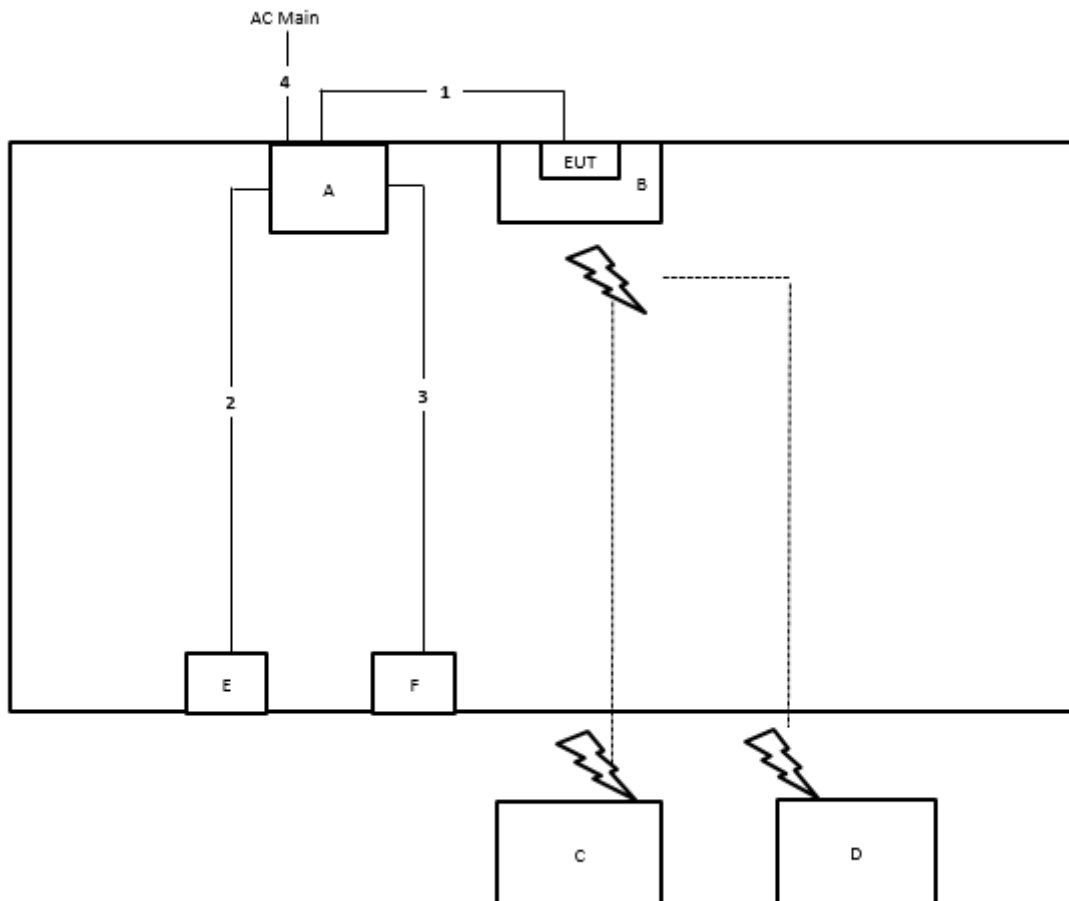
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Fixture	Azurewave	2455-I5	N/A

**For RF Conducted:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Fixture	Azurewave	2455-I4	N/A

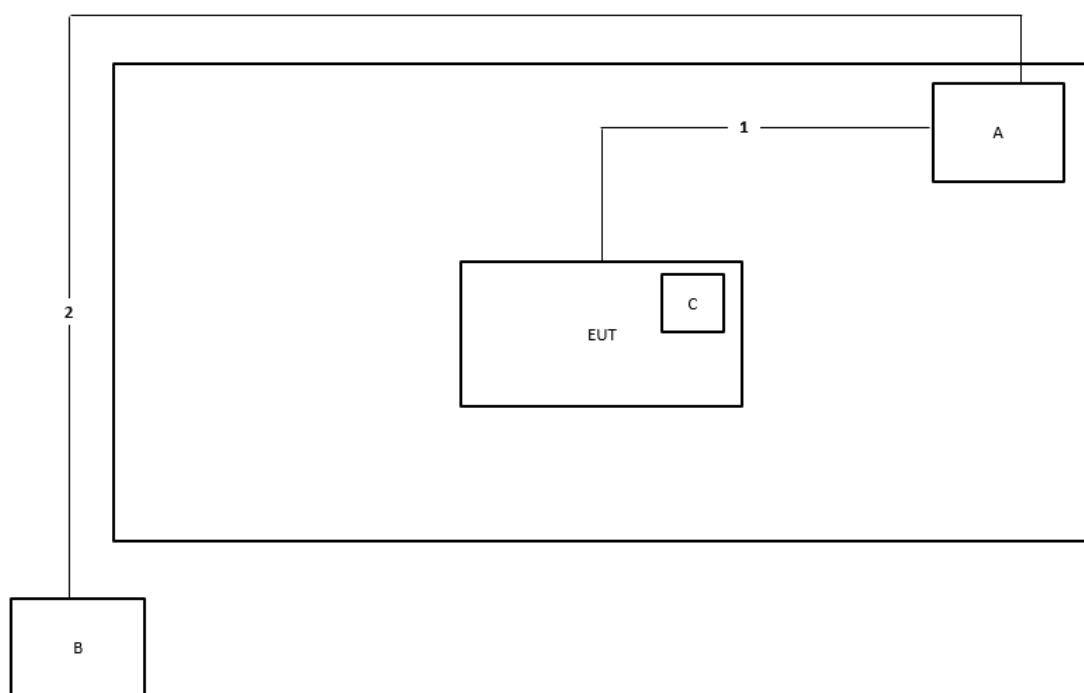
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	USB to Type C cable	Yes	0.3m
2	USB cable	Yes	1m
3	Audio cable	No	1.2m
4	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	USB to Type C cable	Yes	1.5m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

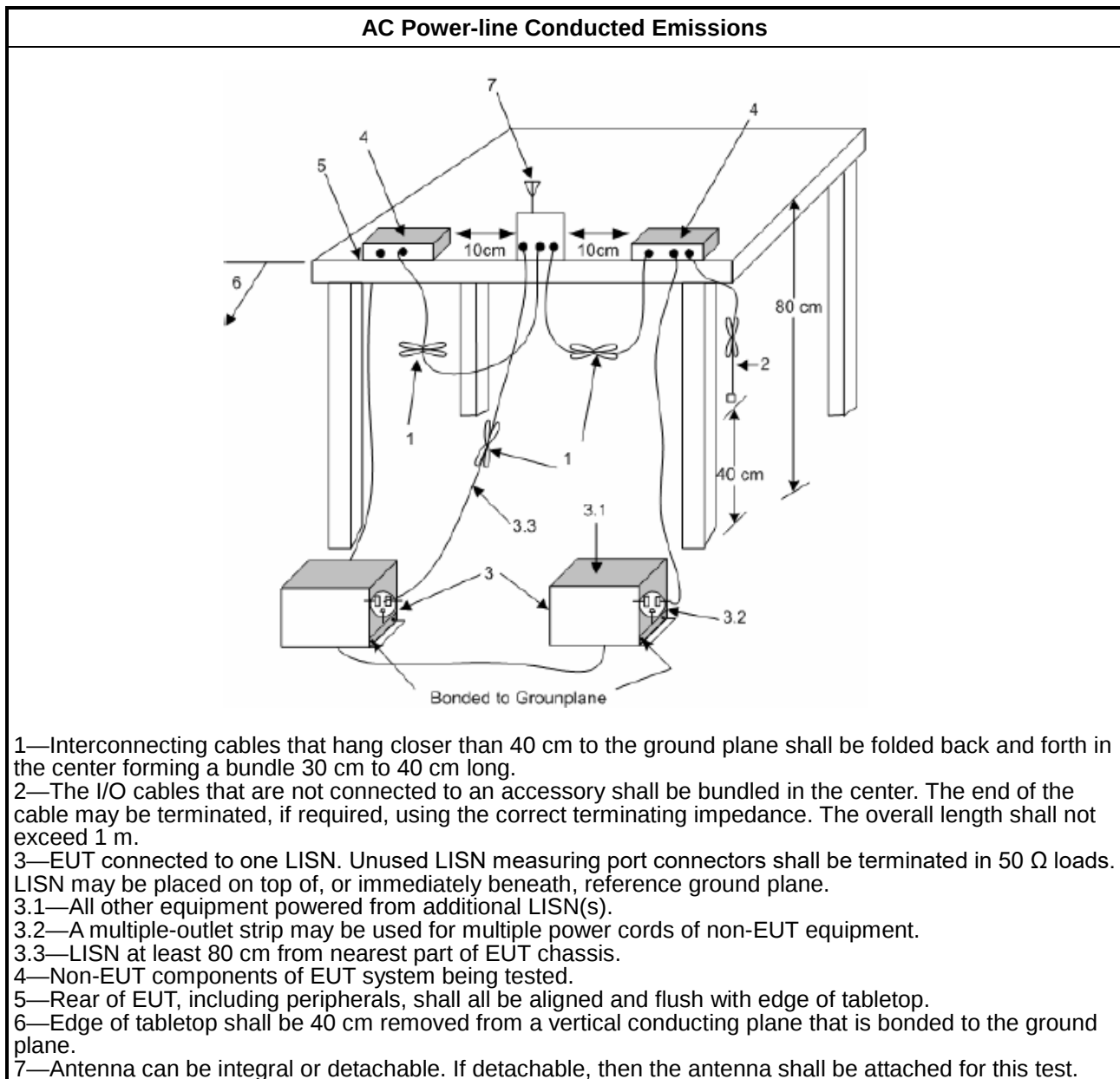
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq \text{MAX}$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

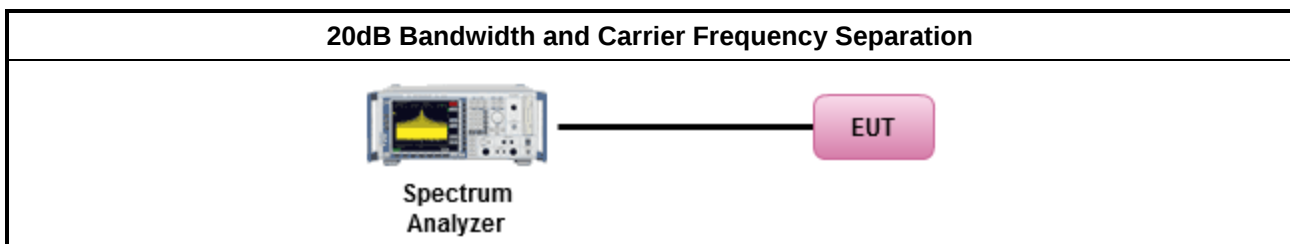
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.9.1 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 902-928 MHz Band:	
▪ N ≥ 50; Power 30dBm; EIRP 36dBm	
▪ 50 > N ≥ 25; Power 23.98dBm; EIRP 29.98dBm	
▪ 2400-2483.5 MHz Band:	
▪ N ≥ 75; Power 30dBm; EIRP 36dBm	
▪ 75 > N ≥ 15; Power 21dBm; EIRP 27dBm	
▪ 5725-5850 MHz Band:	
▪ N ≥ 75; Power 30dBm; EIRP 36dBm	
N: Number of Hopping Frequencies	

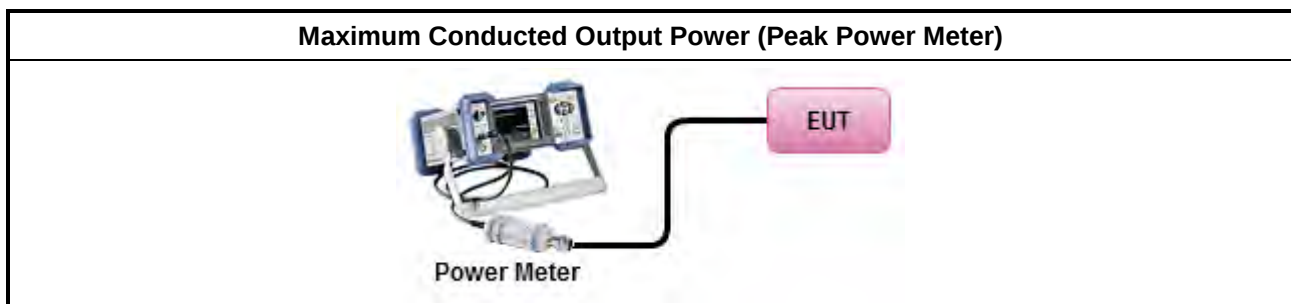
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

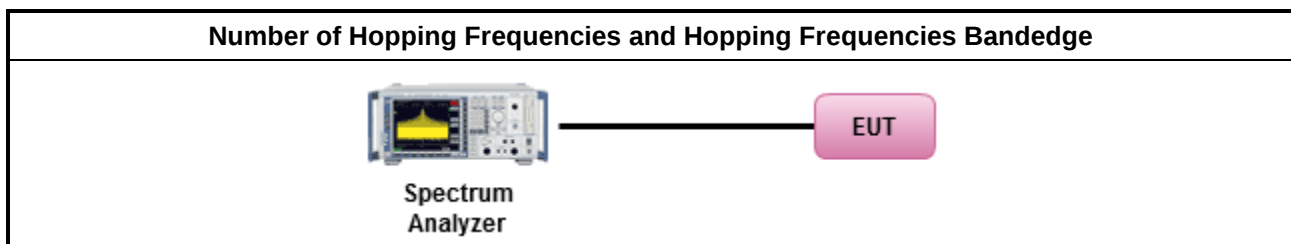
3.4.3 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; 0.4s in 20s period
	▪ $50 > N \geq 25$; 0.4s in 10s period
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$; 0.4s in $N \times 0.4$ period
	▪ $75 > N \geq 15$; 0.4s in $N \times 0.4$ period
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$; 0.4s in 30s period
N: Number of Hopping Frequencies	

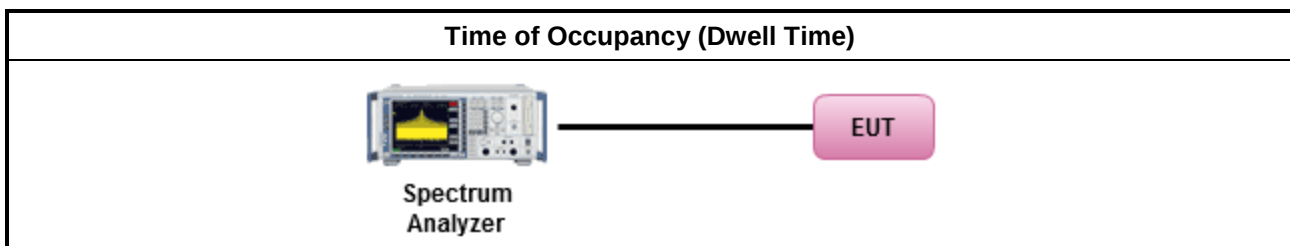
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.	
▪ Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	▪ The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

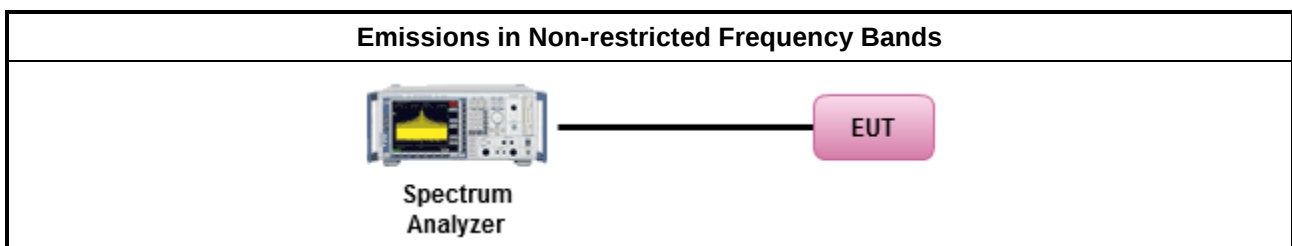
3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

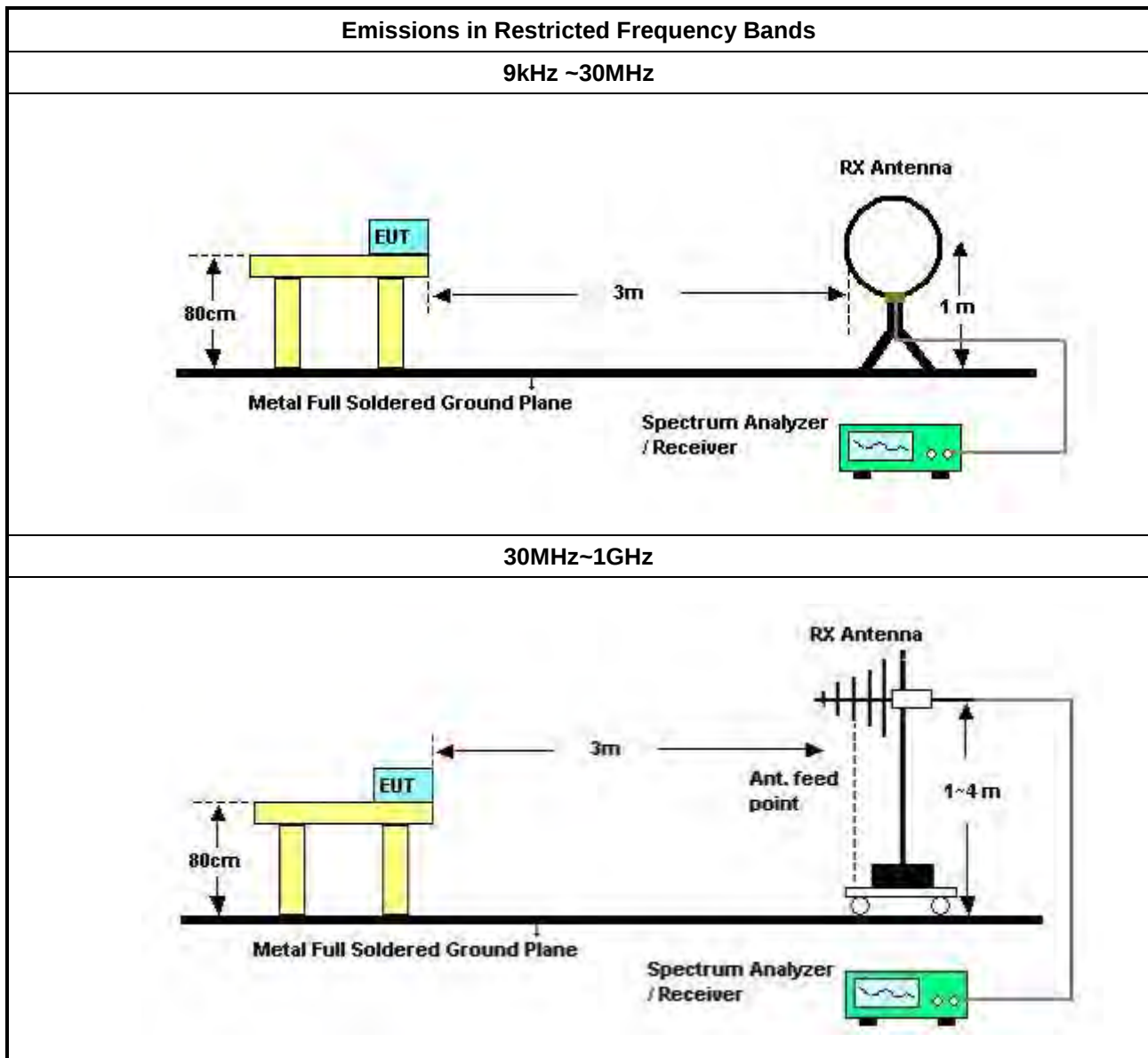
3.7.2 Measuring Instruments

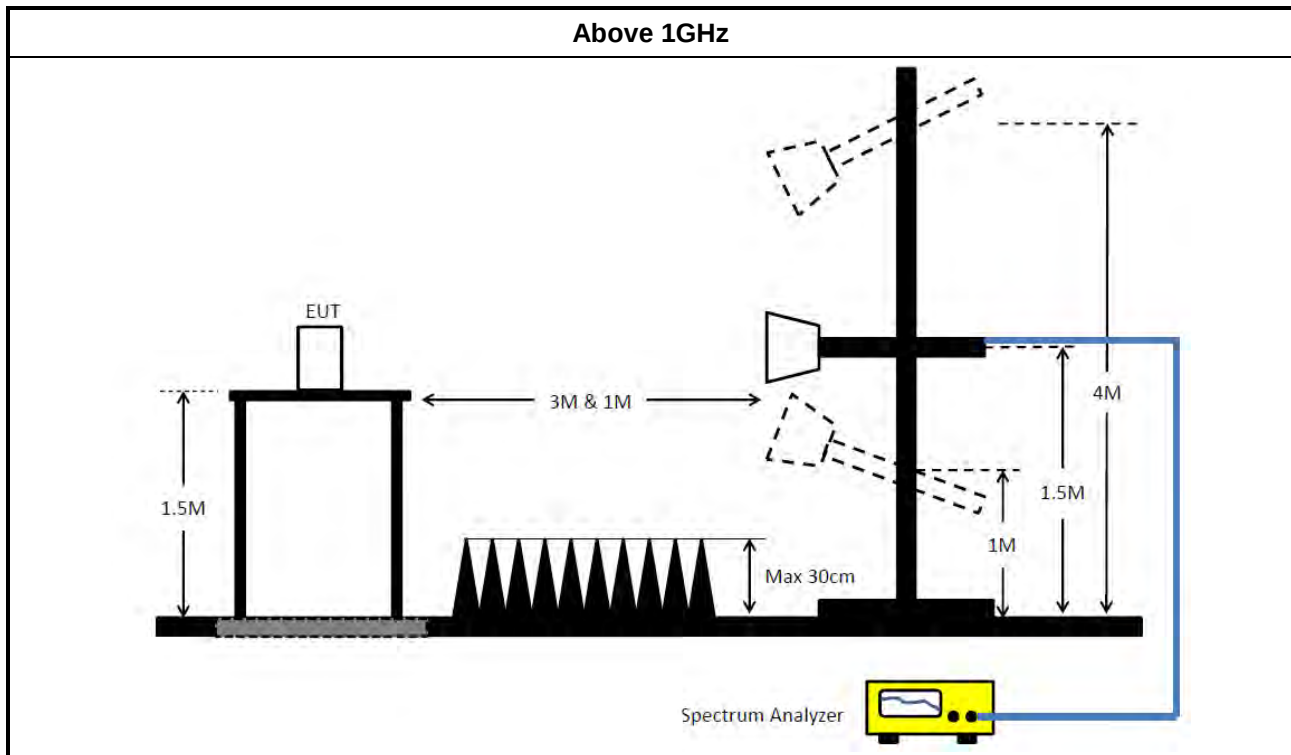
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

3.7.4 Test Setup





3.7.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.7.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 04, 2022	Aug. 03, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2022	Jul. 30, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSP	100593	9kHz~40GHz	Apr. 08, 2022	Apr. 07, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



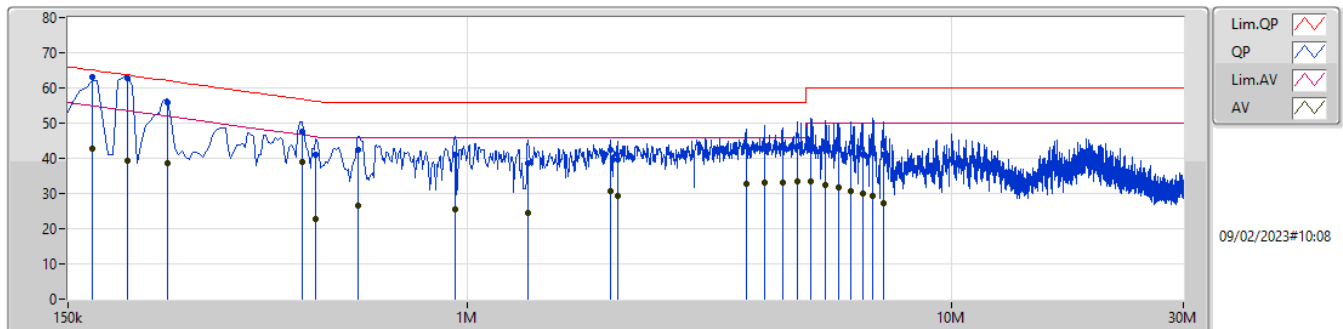
Conducted Emissions at Powerline

Appendix A

Summary

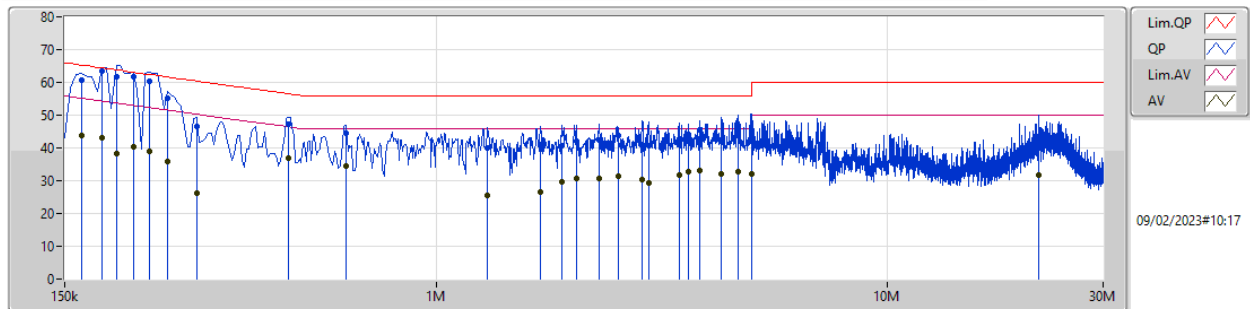
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	181.5k	63.40	64.41	-1.01	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	63.11	65.06	-1.95	9.99	Line	-	53.12	0.06	0.04	9.89						
AV	168k	42.81	55.06	-12.25	9.99	Line	-	32.82	0.06	0.04	9.89						
QP	199.5k	62.61	63.63	-1.02	9.99	Line	"Worst"	52.62	0.06	0.04	9.89						
AV	199.5k	39.46	53.63	-14.17	9.99	Line	-	29.47	0.06	0.04	9.89						
QP	240k	55.92	62.10	-6.18	10.00	Line	-	45.92	0.06	0.05	9.89						
AV	240k	38.79	52.10	-13.31	10.00	Line	-	28.79	0.06	0.05	9.89						
QP	456k	47.55	56.76	-9.21	10.01	Line	-	37.54	0.06	0.06	9.89						
AV	456k	38.95	46.76	-7.81	10.01	Line	-	28.94	0.06	0.06	9.89						
QP	487.5k	41.14	56.21	-15.07	10.01	Line	-	31.13	0.06	0.06	9.89						
AV	487.5k	22.64	46.21	-23.57	10.01	Line	-	12.63	0.06	0.06	9.89						
QP	595.5k	42.41	56.00	-13.59	10.00	Line	-	32.41	0.06	0.05	9.89						
AV	595.5k	26.65	46.00	-19.35	10.00	Line	-	16.65	0.06	0.05	9.89						
QP	942k	41.04	56.00	-14.96	10.00	Line	-	31.04	0.07	0.04	9.89						
AV	942k	25.42	46.00	-20.58	10.00	Line	-	15.42	0.07	0.04	9.89						
QP	1.334M	38.64	56.00	-17.36	10.03	Line	-	28.61	0.08	0.06	9.89						
AV	1.334M	24.44	46.00	-21.56	10.03	Line	-	14.41	0.08	0.06	9.89						
QP	1.973M	42.50	56.00	-13.50	10.07	Line	-	32.43	0.09	0.09	9.89						
AV	1.973M	30.73	46.00	-15.27	10.07	Line	-	20.66	0.09	0.09	9.89						
QP	2.04M	39.80	56.00	-16.20	10.07	Line	-	29.73	0.09	0.09	9.89						
AV	2.04M	29.44	46.00	-16.56	10.07	Line	-	19.37	0.09	0.09	9.89						
QP	3.755M	43.40	56.00	-12.60	10.11	Line	-	33.29	0.12	0.10	9.89						
AV	3.755M	32.91	46.00	-13.09	10.11	Line	-	22.80	0.12	0.10	9.89						
QP	4.101M	43.26	56.00	-12.74	10.11	Line	-	33.15	0.12	0.10	9.89						
AV	4.101M	33.07	46.00	-12.93	10.11	Line	-	22.96	0.12	0.10	9.89						
QP	4.47M	43.87	56.00	-12.13	10.13	Line	-	33.74	0.13	0.11	9.89						
AV	4.47M	33.27	46.00	-12.73	10.13	Line	-	23.14	0.13	0.11	9.89						
QP	4.803M	43.31	56.00	-12.69	10.14	Line	-	33.17	0.14	0.11	9.89						
AV	4.803M	33.58	46.00	-12.42	10.14	Line	-	23.44	0.14	0.11	9.89						
QP	5.114M	44.36	60.00	-15.64	10.17	Line	-	34.19	0.15	0.12	9.90						
AV	5.114M	33.40	50.00	-16.60	10.17	Line	-	23.23	0.15	0.12	9.90						
QP	5.483M	42.64	60.00	-17.36	10.17	Line	-	32.47	0.15	0.12	9.90						
AV	5.483M	32.38	50.00	-17.62	10.17	Line	-	22.21	0.15	0.12	9.90						
QP	5.838M	42.62	60.00	-17.38	10.18	Line	-	32.44	0.16	0.12	9.90						
AV	5.838M	31.74	50.00	-18.26	10.18	Line	-	21.56	0.16	0.12	9.90						
QP	6.189M	41.68	60.00	-18.32	10.20	Line	-	31.48	0.17	0.13	9.90						
AV	6.189M	30.77	50.00	-19.23	10.20	Line	-	20.57	0.17	0.13	9.90						
QP	6.531M	40.97	60.00	-19.03	10.20	Line	-	30.77	0.17	0.13	9.90						
AV	6.531M	30.06	50.00	-19.94	10.20	Line	-	19.86	0.17	0.13	9.90						
QP	6.851M	41.56	60.00	-18.44	10.22	Line	-	31.34	0.18	0.14	9.90						
AV	6.851M	29.31	50.00	-20.69	10.22	Line	-	19.09	0.18	0.14	9.90						
QP	7.211M	41.17	60.00	-18.83	10.22	Line	-	30.95	0.18	0.14	9.90						
AV	7.211M	27.35	50.00	-22.65	10.22	Line	-	17.13	0.18	0.14	9.90						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.5k	60.75	65.27	-4.52	10.00	Neutral	-	50.75	0.07	0.04	9.89						
AV	163.5k	43.63	55.27	-11.64	10.00	Neutral	-	33.63	0.07	0.04	9.89						
QP	181.5k	63.40	64.41	-1.01	10.00	Neutral	"Worst"	53.40	0.07	0.04	9.89						
AV	181.5k	43.08	54.41	-11.33	10.00	Neutral	-	33.08	0.07	0.04	9.89						
QP	195k	61.58	63.82	-2.24	10.00	Neutral	-	51.58	0.07	0.04	9.89						
AV	195k	38.32	53.82	-15.50	10.00	Neutral	-	28.32	0.07	0.04	9.89						
QP	213k	61.74	63.09	-1.35	10.00	Neutral	-	51.74	0.07	0.04	9.89						
AV	213k	40.47	53.09	-12.62	10.00	Neutral	-	30.47	0.07	0.04	9.89						
QP	231k	60.33	62.41	-2.08	10.00	Neutral	-	50.33	0.07	0.04	9.89						
AV	231k	38.99	52.41	-13.42	10.00	Neutral	-	28.99	0.07	0.04	9.89						
QP	253.5k	55.16	61.64	-6.48	10.01	Neutral	-	45.15	0.07	0.05	9.89						
AV	253.5k	35.80	51.64	-15.84	10.01	Neutral	-	25.79	0.07	0.05	9.89						
QP	294k	46.44	60.42	-13.98	10.01	Neutral	-	36.43	0.07	0.05	9.89						
AV	294k	26.27	50.42	-24.15	10.01	Neutral	-	16.26	0.07	0.05	9.89						
QP	469.5k	47.41	56.52	-9.11	10.02	Neutral	-	37.39	0.07	0.06	9.89						
AV	469.5k	36.82	46.52	-9.70	10.02	Neutral	-	26.80	0.07	0.06	9.89						
QP	631.5k	44.36	56.00	-11.64	10.01	Neutral	-	34.35	0.07	0.05	9.89						
AV	631.5k	34.48	46.00	-11.52	10.01	Neutral	-	24.47	0.07	0.05	9.89						
QP	1.298M	40.07	56.00	-15.93	10.04	Neutral	-	30.03	0.09	0.06	9.89						
AV	1.298M	25.36	46.00	-20.64	10.04	Neutral	-	15.32	0.09	0.06	9.89						
QP	1.698M	41.19	56.00	-14.81	10.07	Neutral	-	31.12	0.10	0.08	9.89						
AV	1.698M	26.48	46.00	-19.52	10.07	Neutral	-	16.41	0.10	0.08	9.89						
QP	1.896M	40.78	56.00	-15.22	10.08	Neutral	-	30.70	0.10	0.09	9.89						
AV	1.896M	29.54	46.00	-16.46	10.08	Neutral	-	19.46	0.10	0.09	9.89						
QP	2.045M	42.19	56.00	-13.81	10.08	Neutral	-	32.11	0.10	0.09	9.89						
AV	2.045M	30.73	46.00	-15.27	10.08	Neutral	-	20.65	0.10	0.09	9.89						
QP	2.292M	42.27	56.00	-13.73	10.09	Neutral	-	32.18	0.11	0.09	9.89						
AV	2.292M	30.80	46.00	-15.20	10.09	Neutral	-	20.71	0.11	0.09	9.89						
QP	2.522M	43.95	56.00	-12.05	10.09	Neutral	-	33.86	0.11	0.09	9.89						
AV	2.522M	31.42	46.00	-14.58	10.09	Neutral	-	21.33	0.11	0.09	9.89						
QP	2.859M	41.20	56.00	-14.80	10.11	Neutral	-	31.09	0.12	0.10	9.89						
AV	2.859M	30.28	46.00	-15.72	10.11	Neutral	-	20.17	0.12	0.10	9.89						
QP	2.954M	40.71	56.00	-15.29	10.11	Neutral	-	30.60	0.12	0.10	9.89						
AV	2.954M	29.37	46.00	-16.63	10.11	Neutral	-	19.26	0.12	0.10	9.89						
QP	3.449M	42.63	56.00	-13.37	10.11	Neutral	-	32.52	0.12	0.10	9.89						
AV	3.449M	31.89	46.00	-14.11	10.11	Neutral	-	21.78	0.12	0.10	9.89						
QP	3.611M	44.00	56.00	-12.00	10.12	Neutral	-	33.88	0.13	0.10	9.89						
AV	3.611M	32.90	46.00	-13.10	10.12	Neutral	-	22.78	0.13	0.10	9.89						
QP	3.836M	45.36	56.00	-10.64	10.12	Neutral	-	35.24	0.13	0.10	9.89						
AV	3.836M	33.21	46.00	-12.79	10.12	Neutral	-	23.09	0.13	0.10	9.89						
QP	4.286M	42.13	56.00	-13.87	10.13	Neutral	-	32.00	0.14	0.10	9.89						
AV	4.286M	32.15	46.00	-13.85	10.13	Neutral	-	22.02	0.14	0.10	9.89						
QP	4.65M	44.99	56.00	-11.01	10.15	Neutral	-	34.84	0.15	0.11	9.89						
AV	4.65M	32.93	46.00	-13.07	10.15	Neutral	-	22.78	0.15	0.11	9.89						
QP	4.983M	42.12	56.00	-13.88	10.16	Neutral	-	31.96	0.16	0.11	9.89						
AV	4.983M	32.09	46.00	-13.91	10.16	Neutral	-	21.93	0.16	0.11	9.89						
QP	21.642M	41.59	60.00	-18.41	10.50	Neutral	-	31.09	0.30	0.24	9.96						
AV	21.642M	31.85	50.00	-18.15	10.50	Neutral	-	21.35	0.30	0.24	9.96						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	938.75k	882.059k	882KF1D	935k	877.061k
BT-EDR(2Mbps)	1.314M	1.186M	1M19G1D	1.31M	1.184M
BT-EDR(3Mbps)	1.271M	1.189M	1M19G1D	1.261M	1.186M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

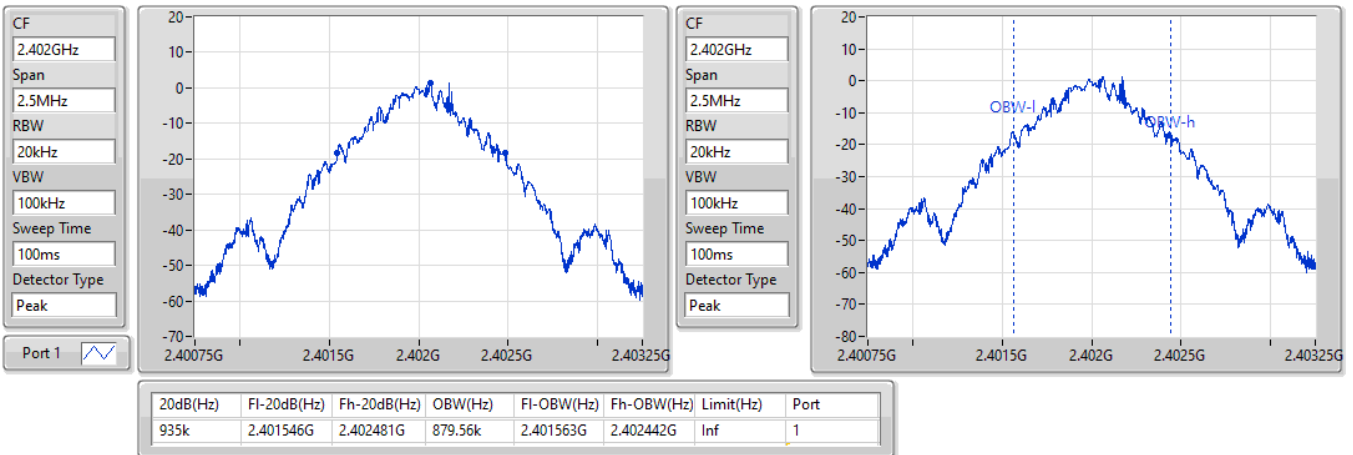
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	935k	879.56k
2440MHz	Pass	Inf	937.5k	877.061k
2480MHz	Pass	Inf	938.75k	882.059k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.314M	1.186M
2440MHz	Pass	Inf	1.31M	1.184M
2480MHz	Pass	Inf	1.313M	1.186M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.271M	1.186M
2440MHz	Pass	Inf	1.268M	1.189M
2480MHz	Pass	Inf	1.261M	1.188M

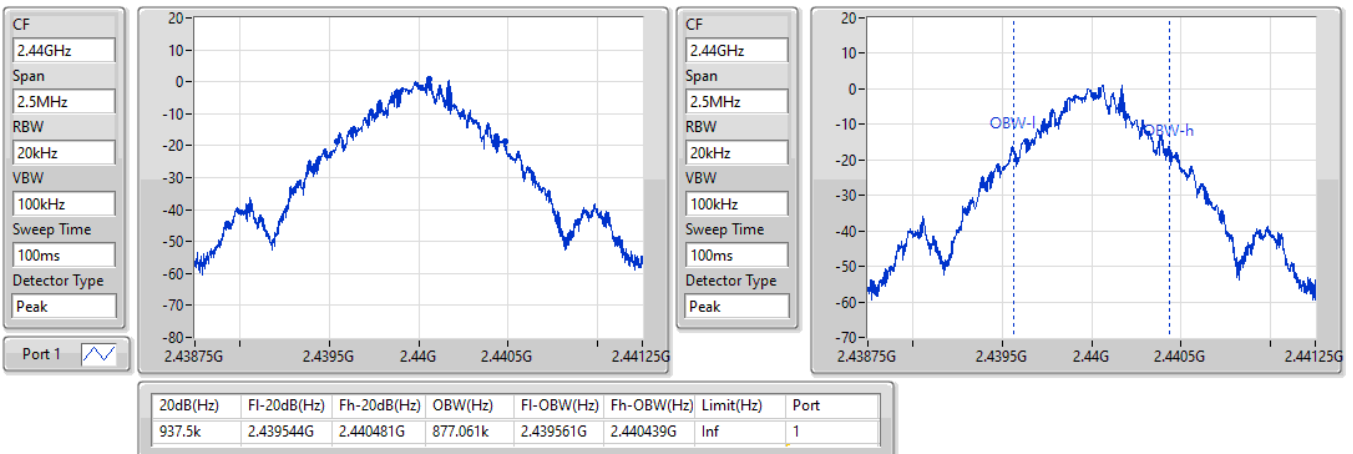
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)
2402MHz
EBW-FS

15/11/2022

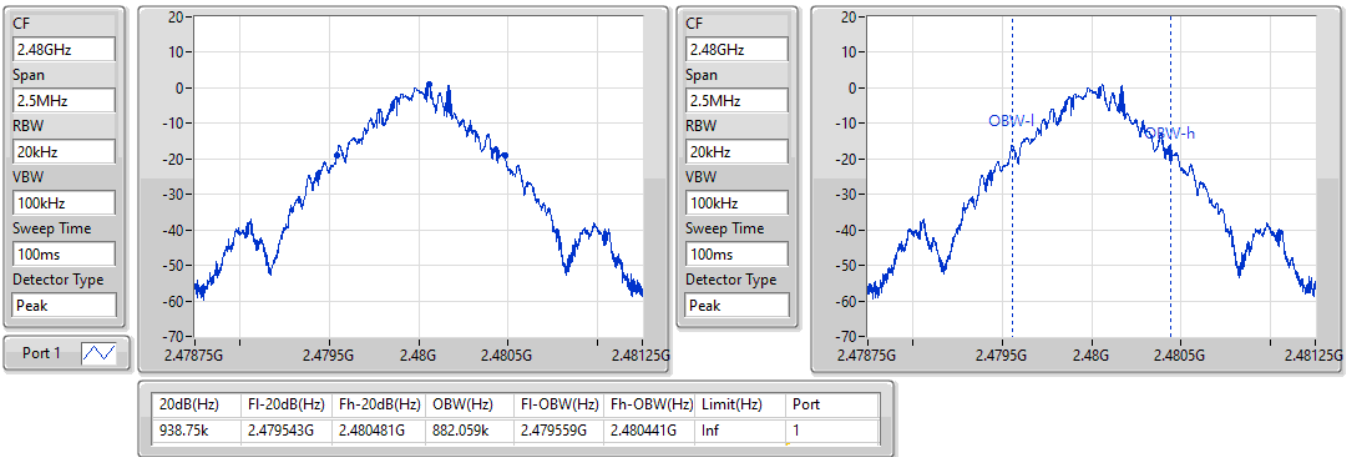

BT-BR(1Mbps)
2440MHz
EBW-FS

15/11/2022

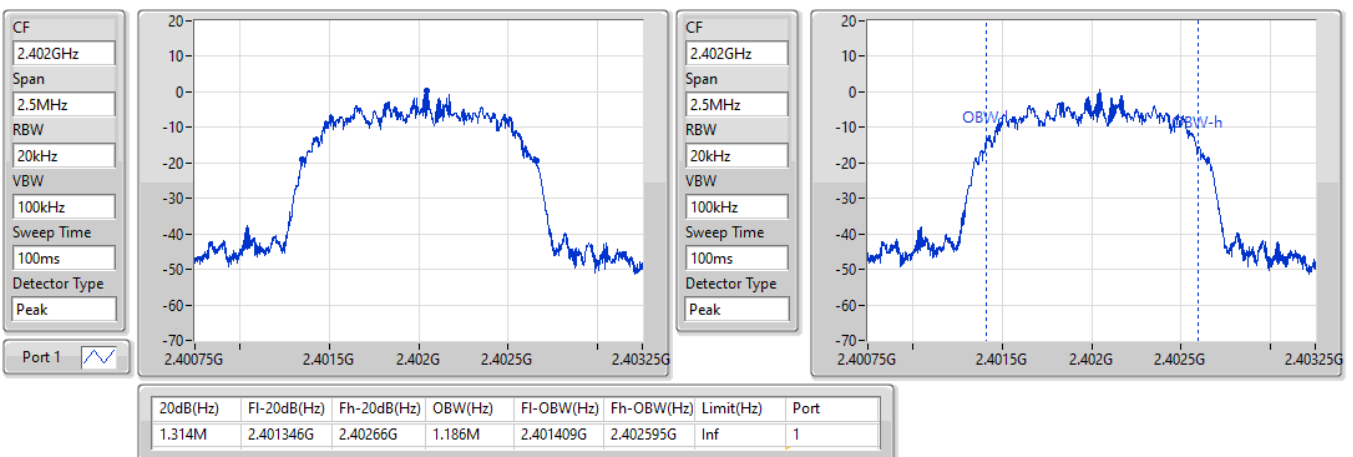


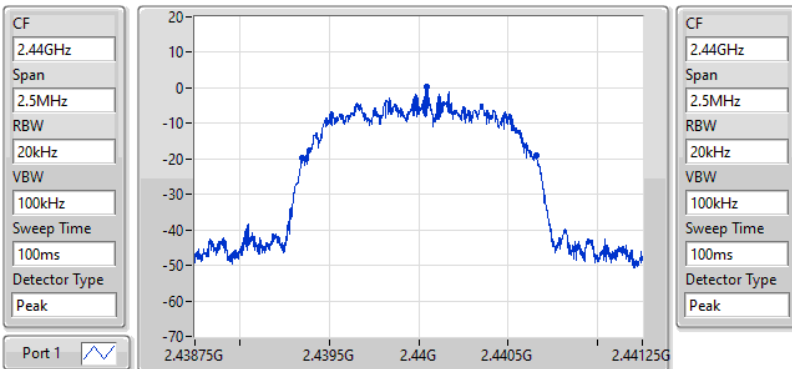
BT-BR(1Mbps)
EBW-FS
2480MHz

15/11/2022


BT-EDR(2Mbps)
EBW-FS
2402MHz

15/11/2022

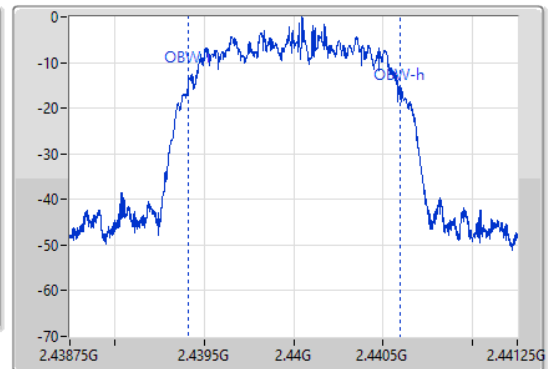
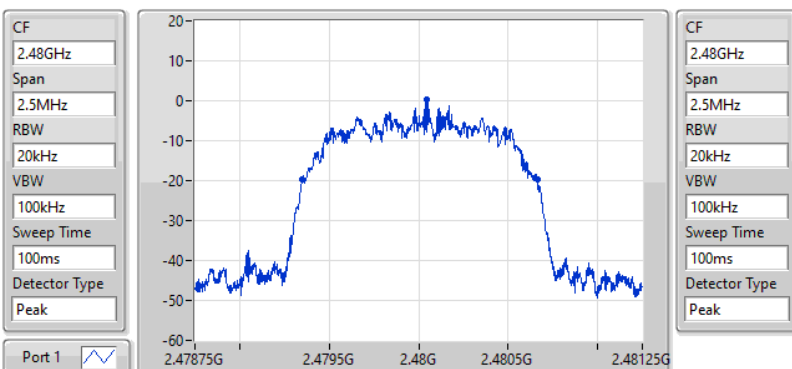


BT-EDR(2Mbps)
2440MHz


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.31M	2.439348G	2.440658G	1.184M	2.439412G	2.440596G	Inf	1

EBW-FS

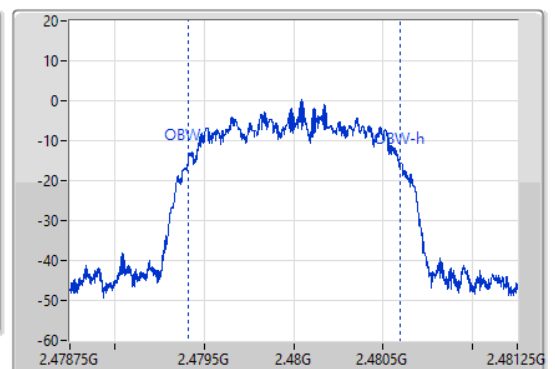
15/11/2022


BT-EDR(2Mbps)
2480MHz


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.313M	2.47935G	2.480663G	1.186M	2.479413G	2.480598G	Inf	1

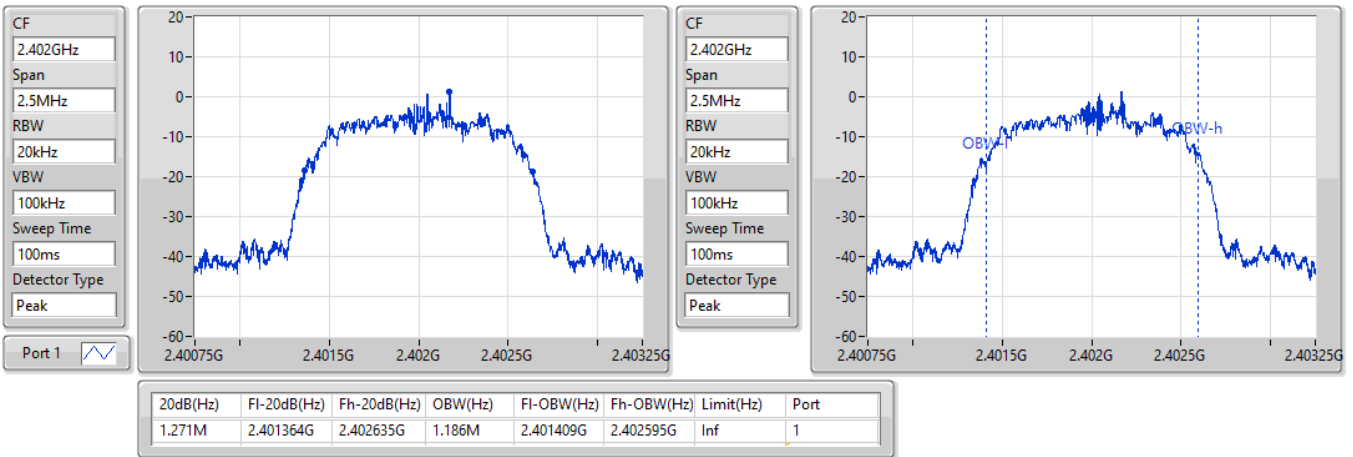
EBW-FS

15/11/2022

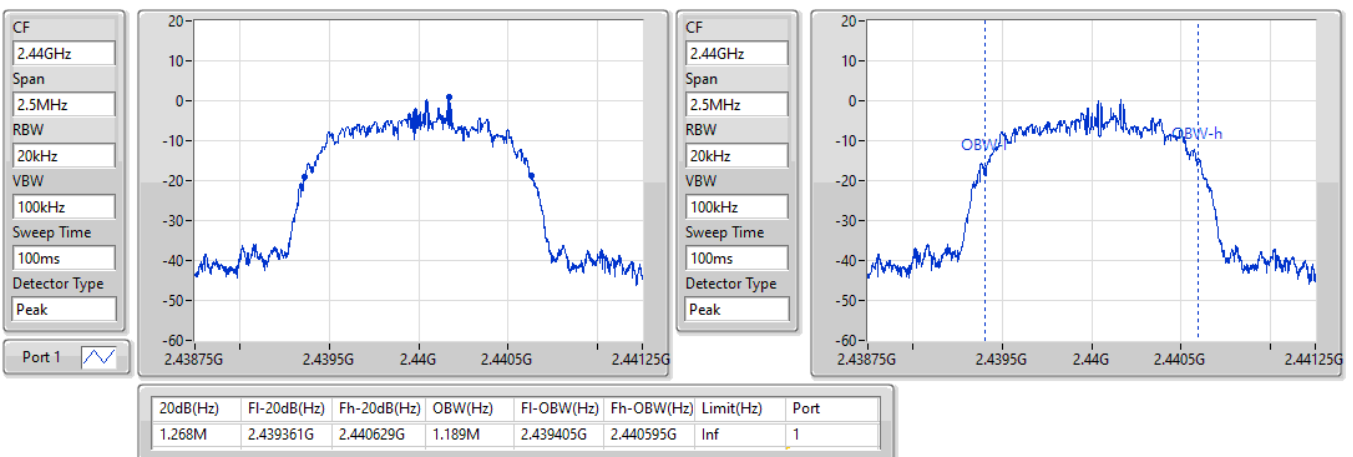


BT-EDR(3Mbps)
EBW-FS
2402MHz

15/11/2022

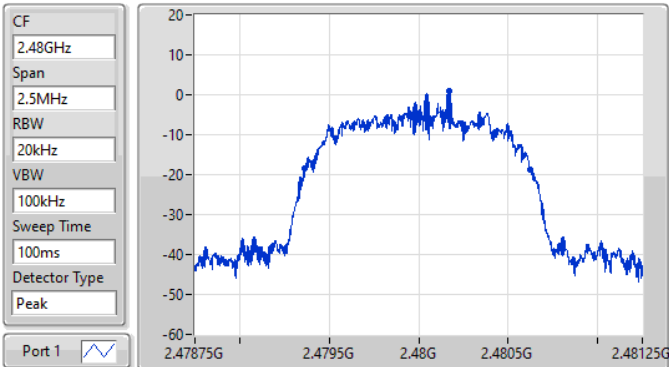

BT-EDR(3Mbps)
EBW-FS
2440MHz

15/11/2022



BT-EDR(3Mbps)

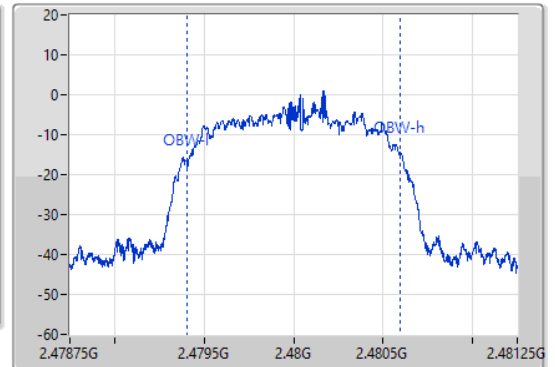
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.261M	2.479365G	2.480626G	1.188M	2.479405G	2.480593G	Inf	1

EBW-FS

15/11/2022



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	999k
BT-EDR(2Mbps)	1.0005M	999k
BT-EDR(3Mbps)	1.0035M	1.0005M

Result

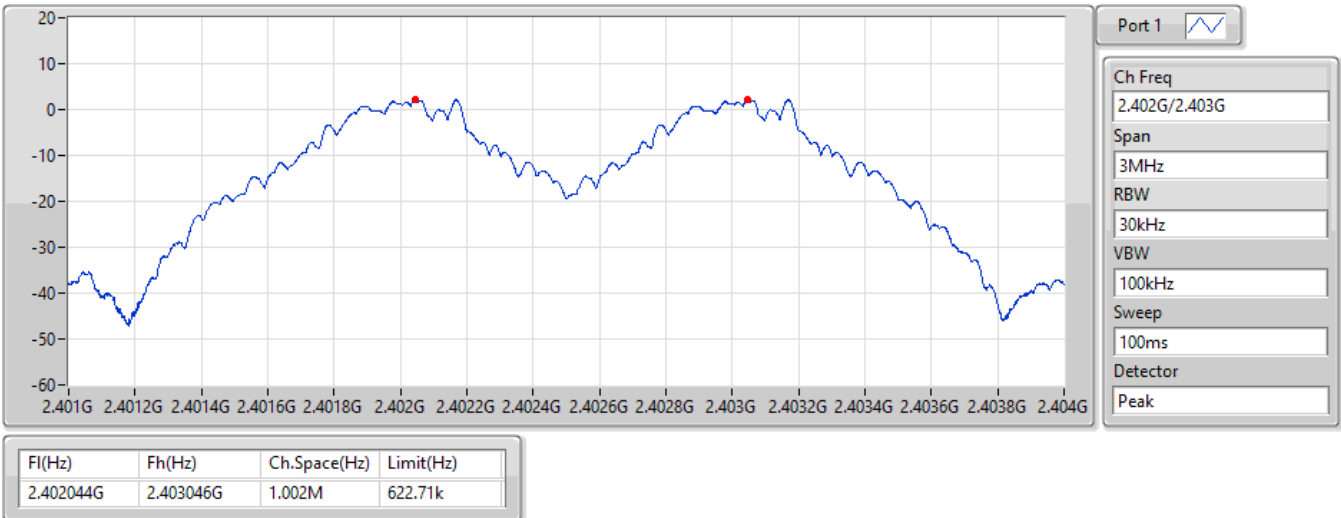
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402044G	2.403046G	1.002M	622.71k
2440MHz	Pass	2.440044G	2.441043G	999k	624.375k
2480MHz	Pass	2.479044G	2.480046G	1.002M	625.2075k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402043G	2.403042G	999k	875.124k
2440MHz	Pass	2.440046G	2.441046G	1.0005M	872.46k
2480MHz	Pass	2.479047G	2.480048G	1.0005M	874.458k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402043G	2.403045G	1.002M	846.486k
2440MHz	Pass	2.440043G	2.441043G	1.0005M	844.488k
2480MHz	Pass	2.479043G	2.480046G	1.0035M	839.826k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

15/11/2022

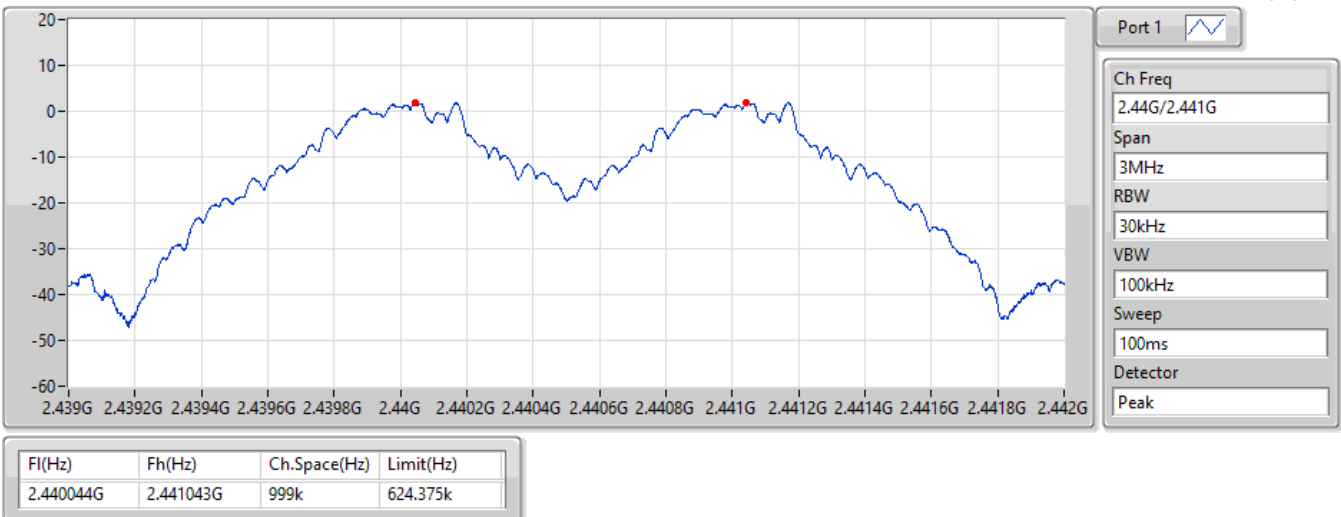


BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

15/11/2022

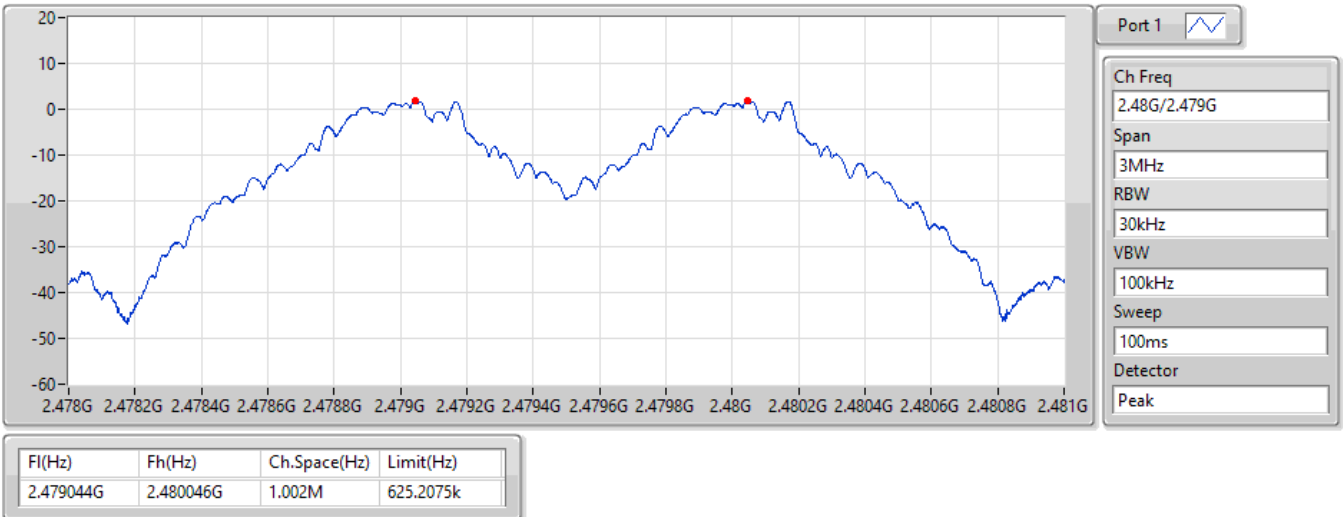


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

15/11/2022

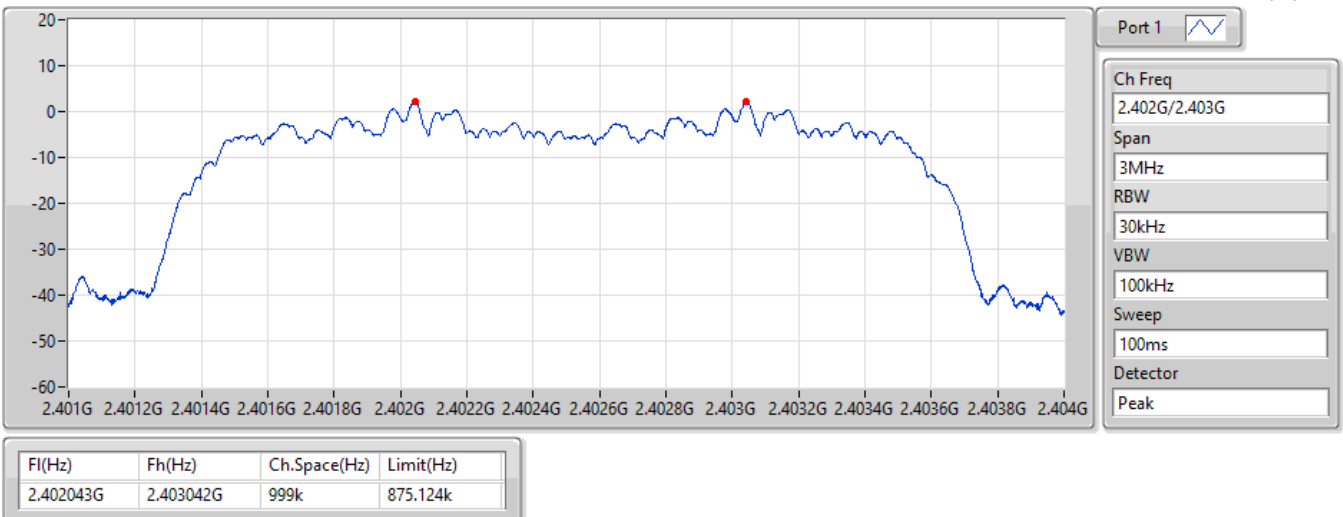


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

15/11/2022

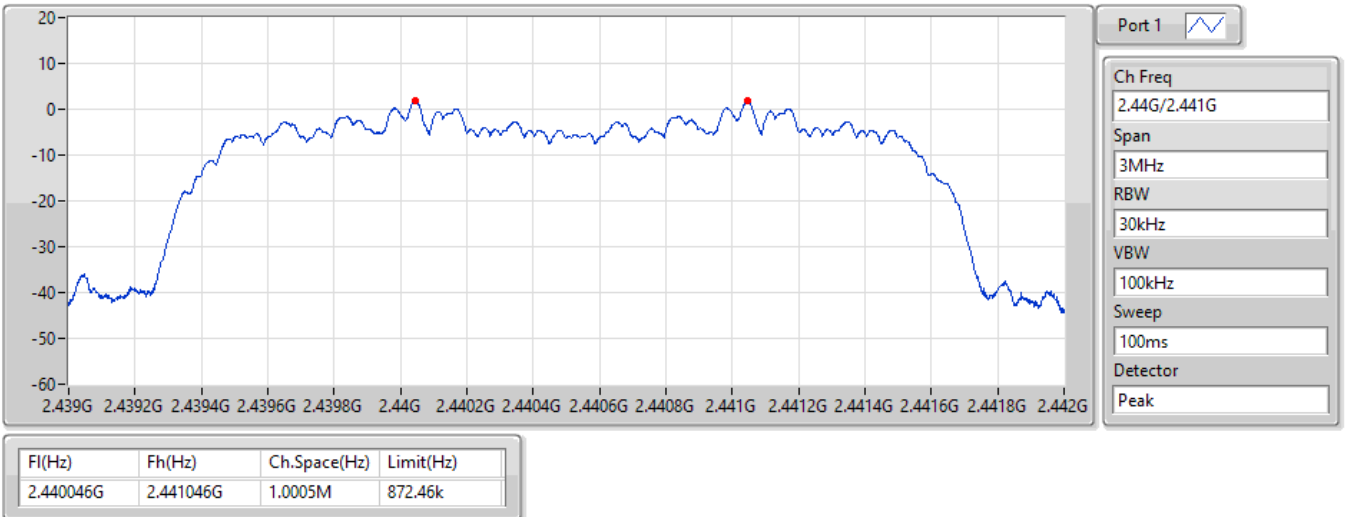


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

15/11/2022

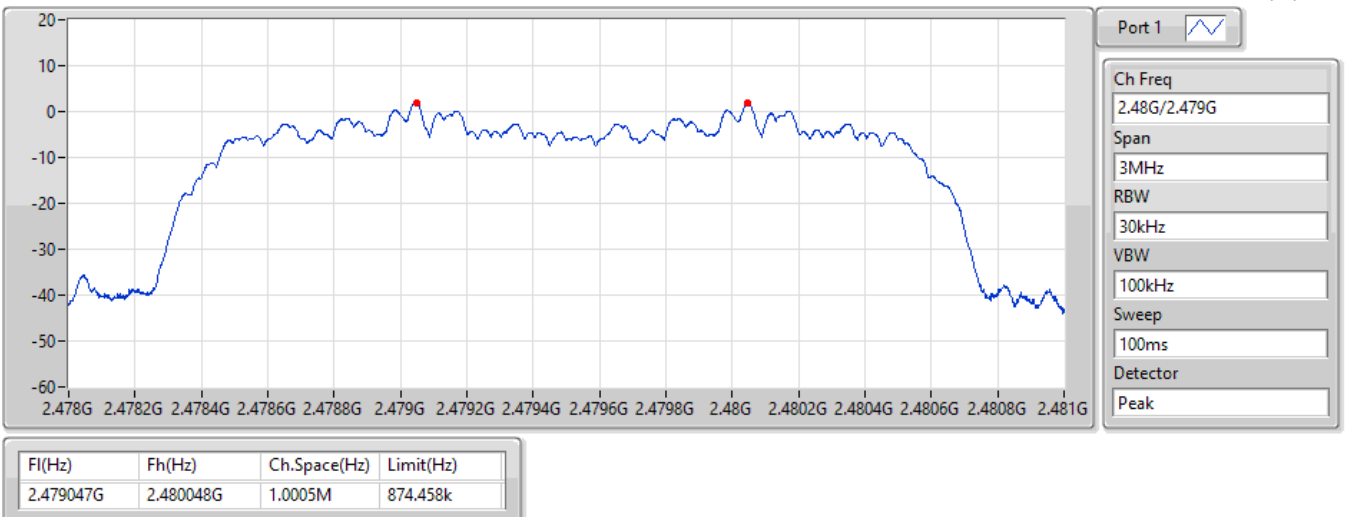


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

15/11/2022

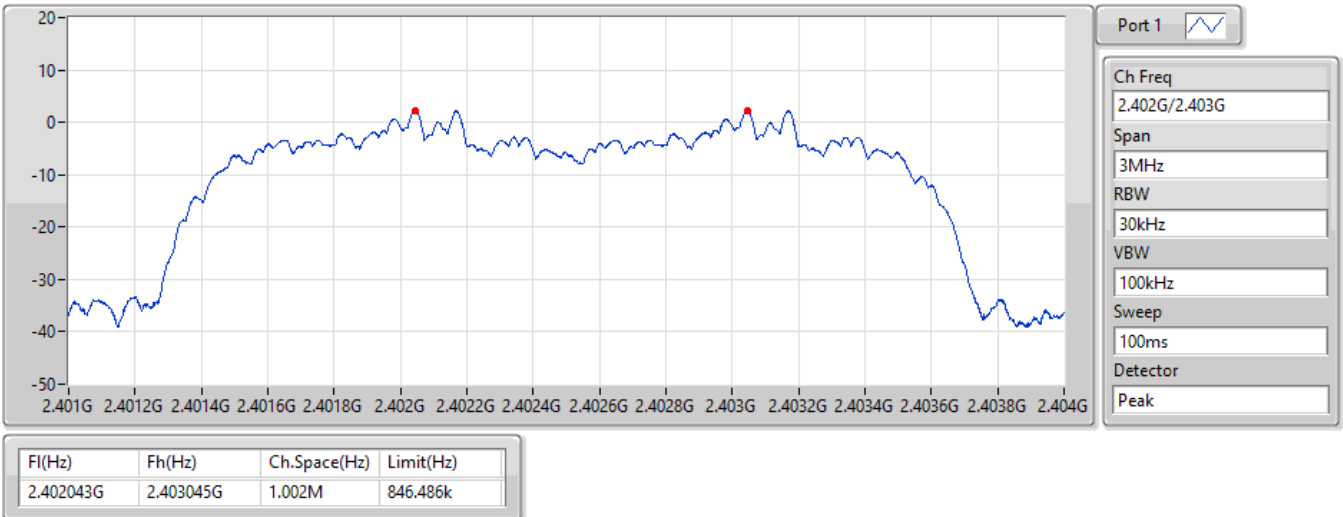


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

15/11/2022



BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

15/11/2022



BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

15/11/2022





Average Power-FHSS

Appendix C.1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	4.54	0.00284
BT-EDR(2Mbps)	4.31	0.00270
BT-EDR(3Mbps)	4.32	0.00270



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.98	4.54	21.00
2440MHz	Pass	2.98	4.19	21.00
2480MHz	Pass	2.98	4.11	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.98	4.31	21.00
2440MHz	Pass	2.98	4.08	21.00
2480MHz	Pass	2.98	4.03	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.98	4.32	21.00
2440MHz	Pass	2.98	4.03	21.00
2480MHz	Pass	2.98	4.03	21.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	4.89	0.00308
BT-EDR(2Mbps)	6.98	0.00499
BT-EDR(3Mbps)	7.39	0.00548

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.98	4.89	21.00
2440MHz	Pass	2.98	4.60	21.00
2480MHz	Pass	2.98	4.52	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.98	6.98	21.00
2440MHz	Pass	2.98	6.68	21.00
2480MHz	Pass	2.98	6.71	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.98	7.39	21.00
2440MHz	Pass	2.98	7.07	21.00
2480MHz	Pass	2.98	7.01	21.00

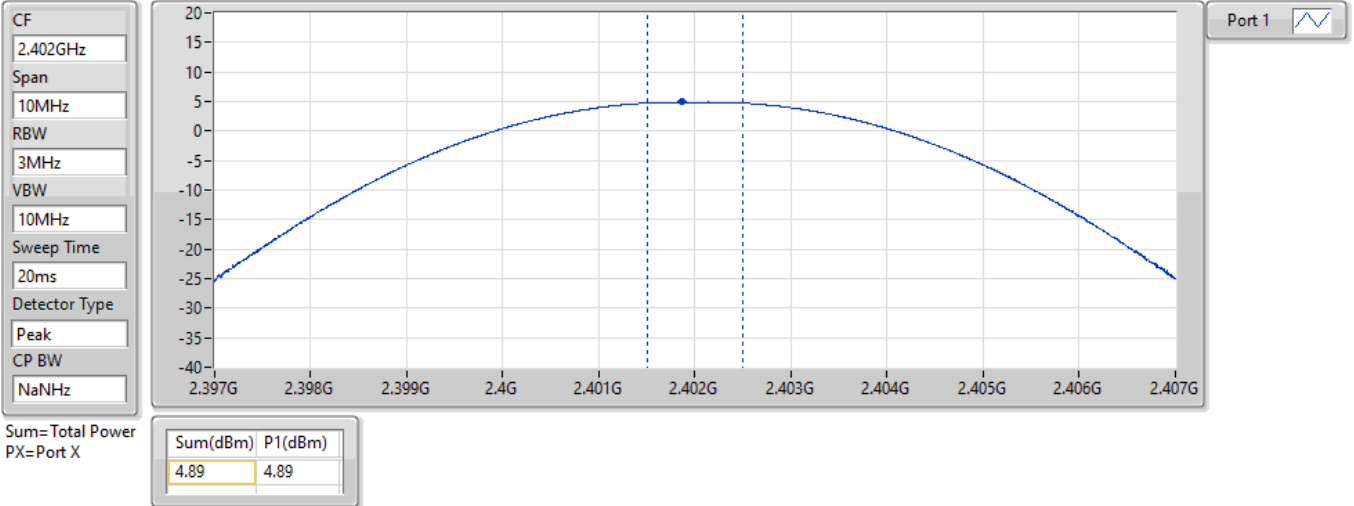
DG = Directional Gain; Port X = Port X output power

BT-BR(1Mbps)

PK Power-FS

2402MHz

15/11/2022

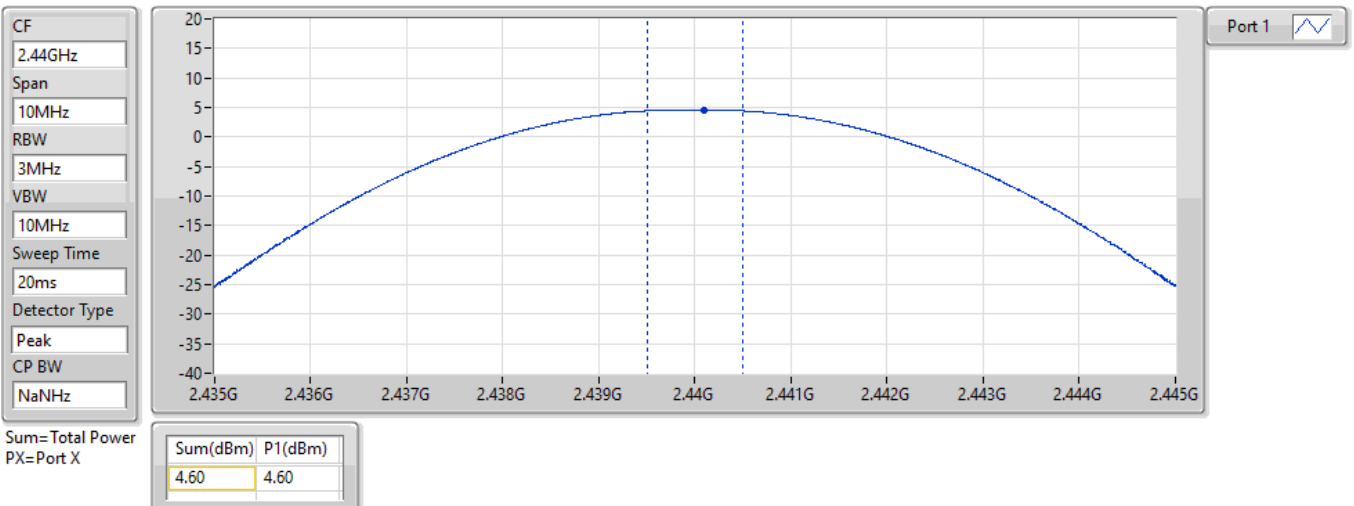


BT-BR(1Mbps)

PK Power-FS

2440MHz

15/11/2022

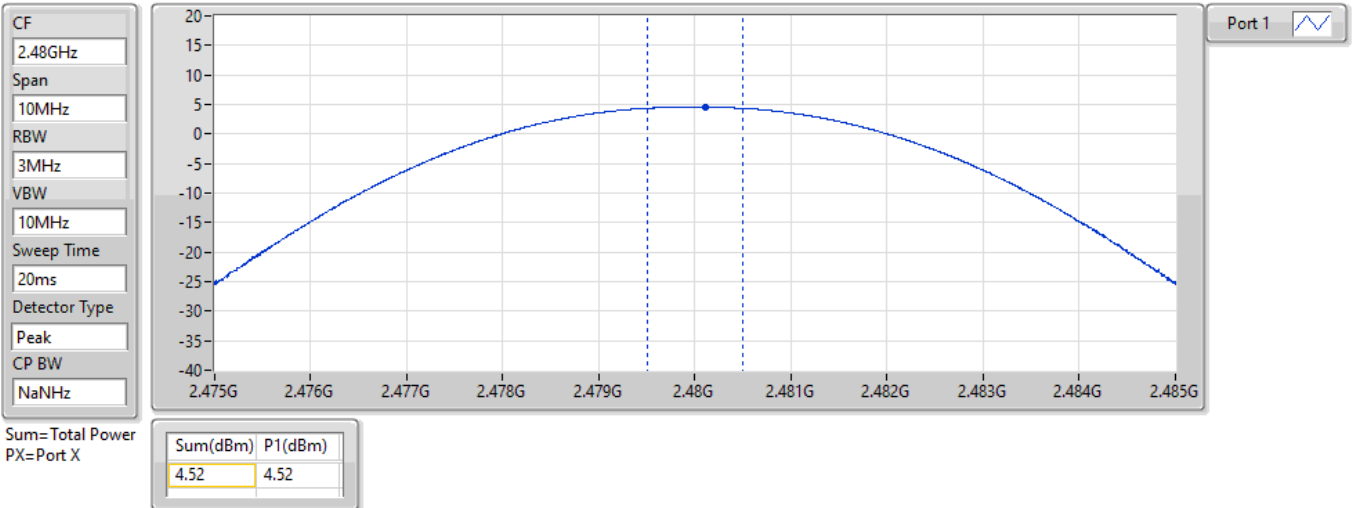


BT-BR(1Mbps)

PK Power-FS

2480MHz

15/11/2022

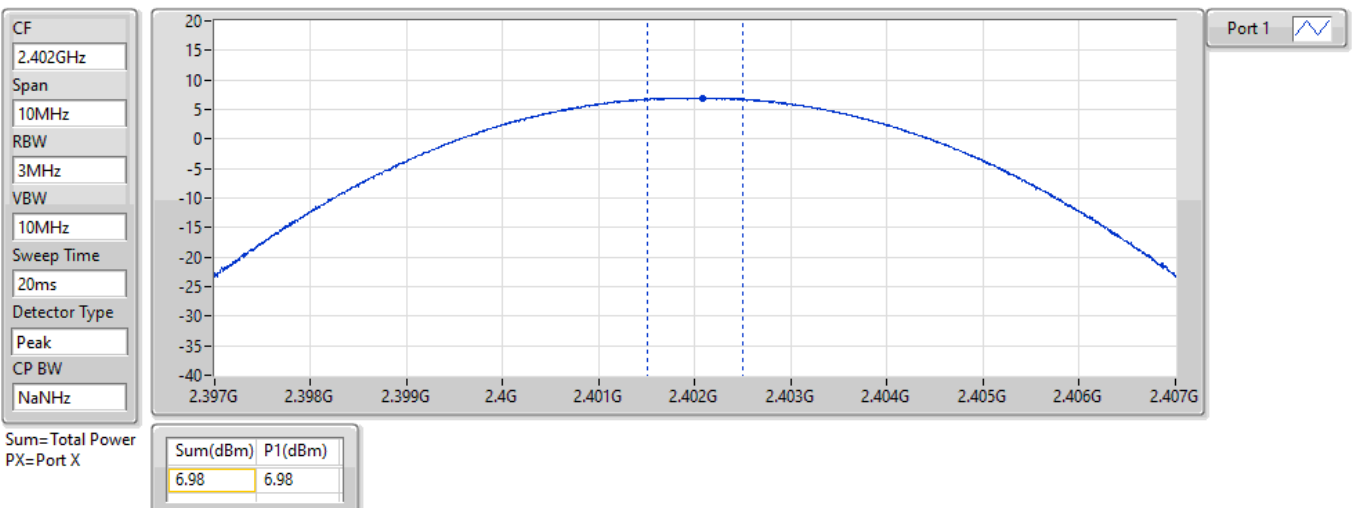


BT-EDR(2Mbps)

PK Power-FS

2402MHz

15/11/2022

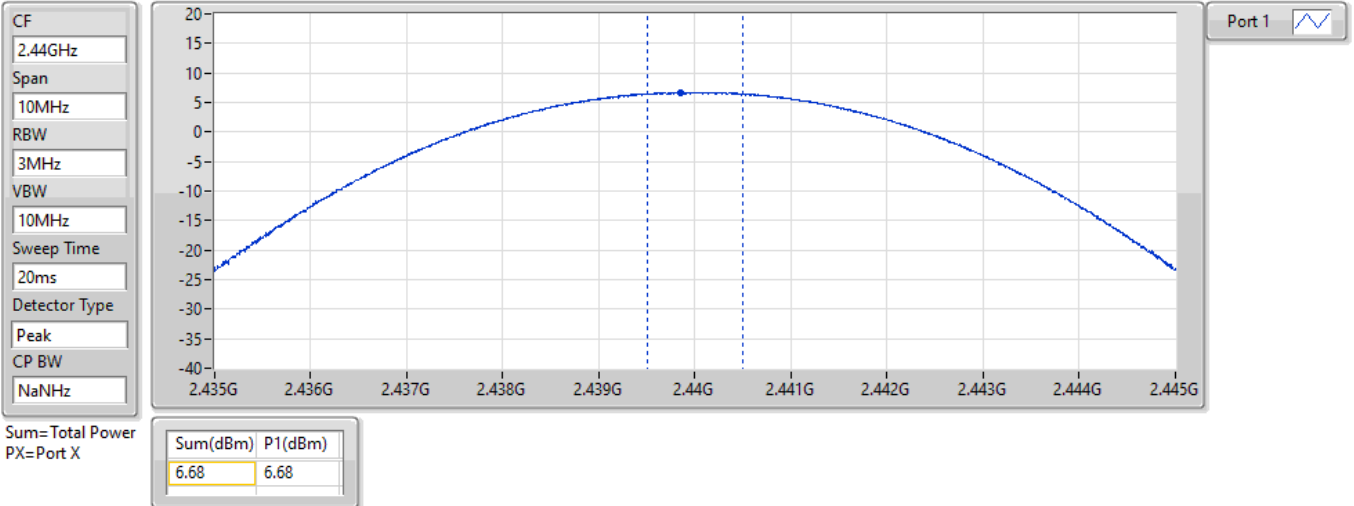


BT-EDR(2Mbps)

PK Power-FS

2440MHz

15/11/2022

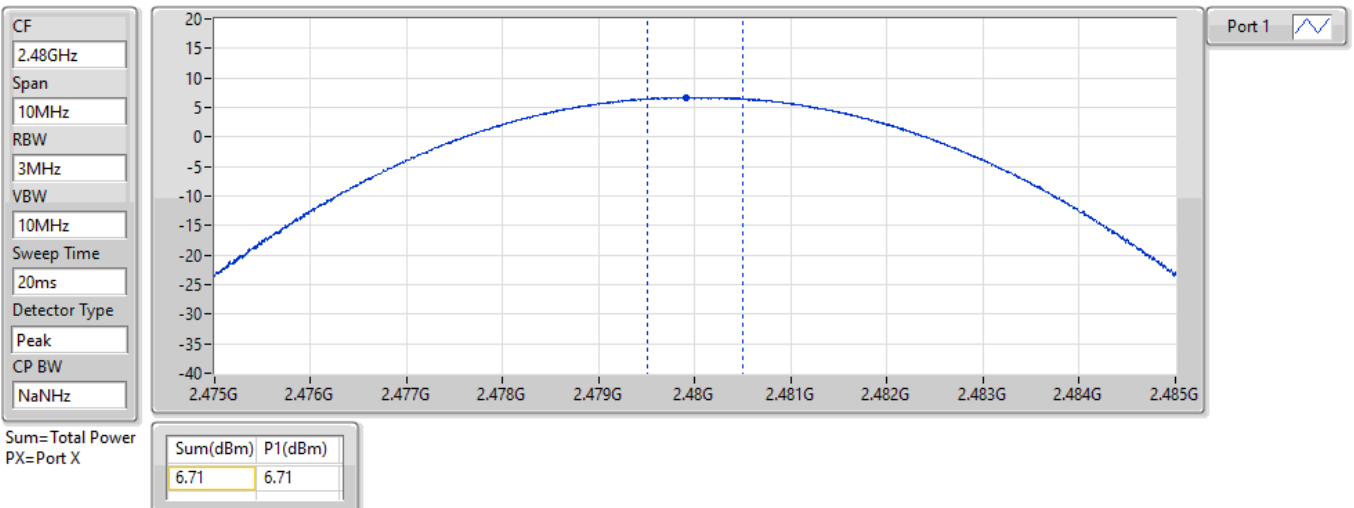


BT-EDR(2Mbps)

PK Power-FS

2480MHz

15/11/2022

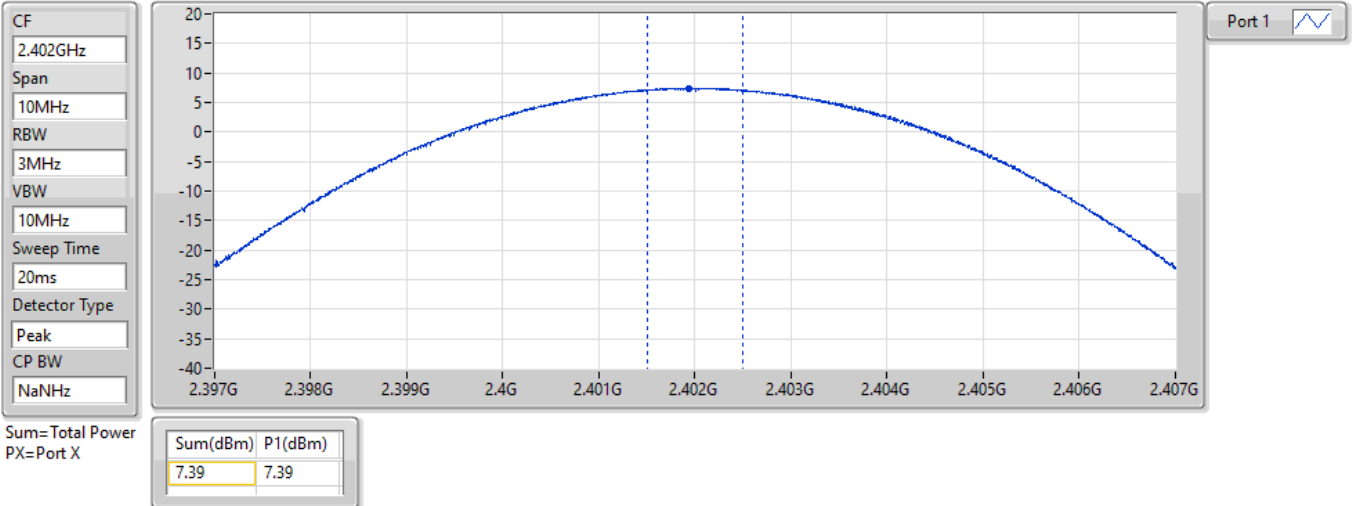


BT-EDR(3Mbps)

PK Power-FS

2402MHz

15/11/2022

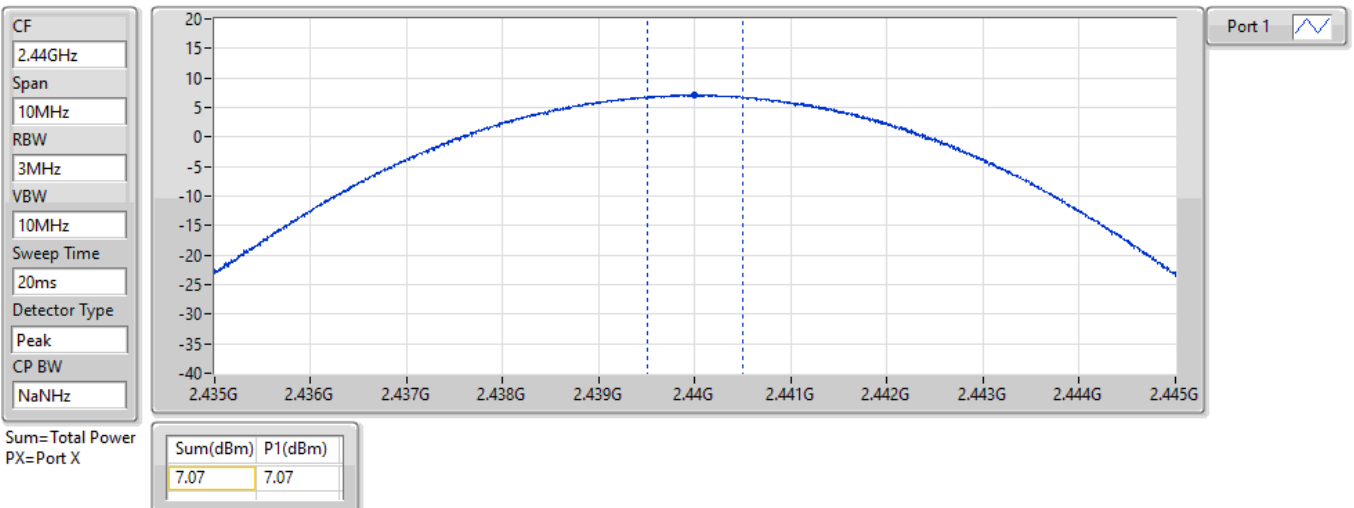


BT-EDR(3Mbps)

PK Power-FS

2440MHz

15/11/2022

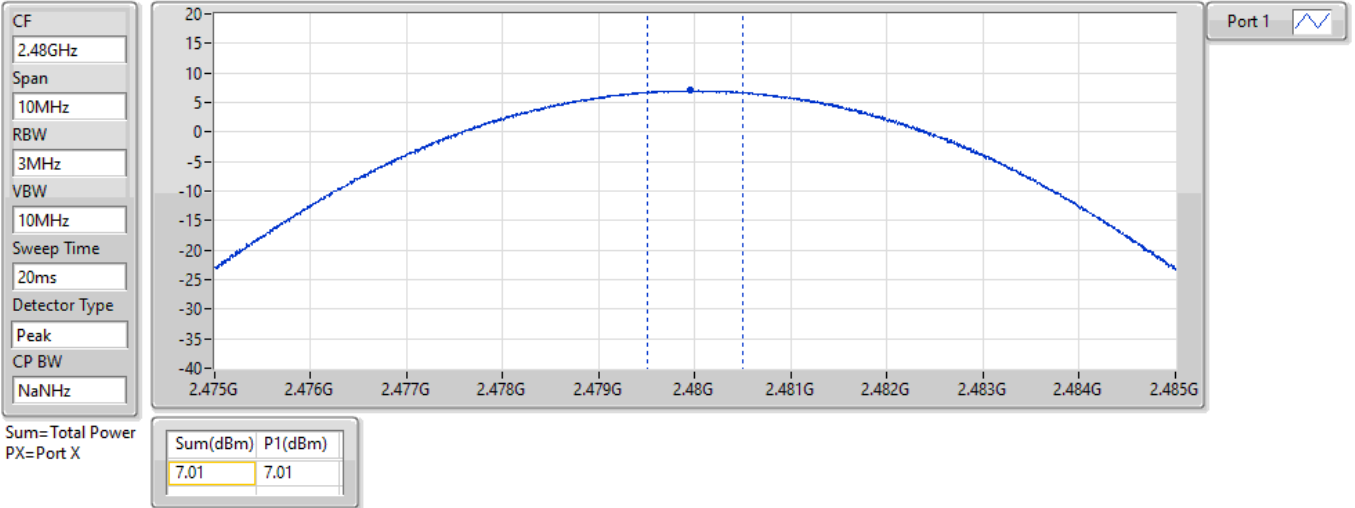


BT-EDR(3Mbps)

PK Power-FS

2480MHz

15/11/2022





Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

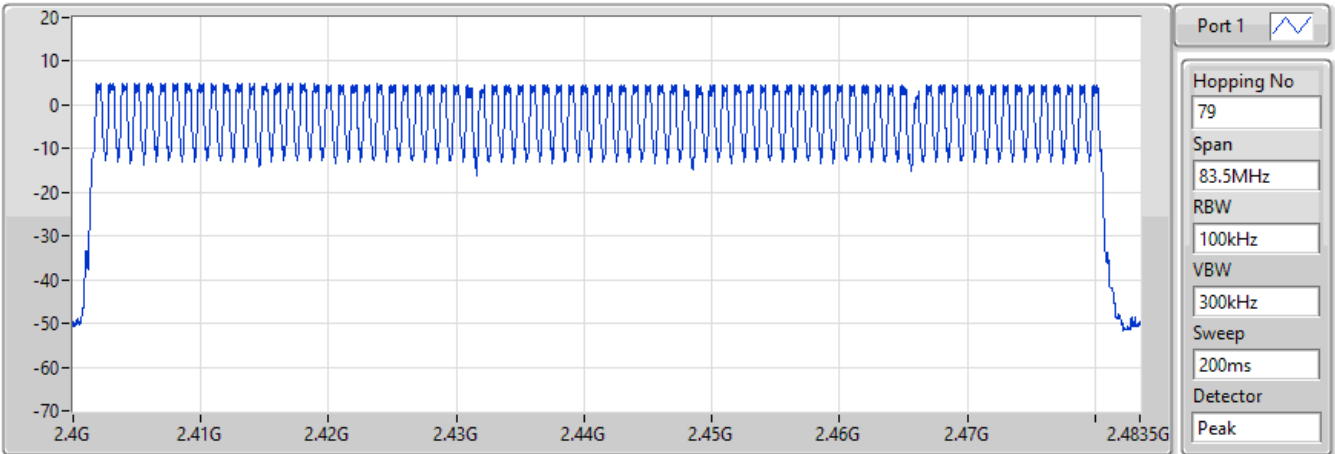
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

15/11/2022



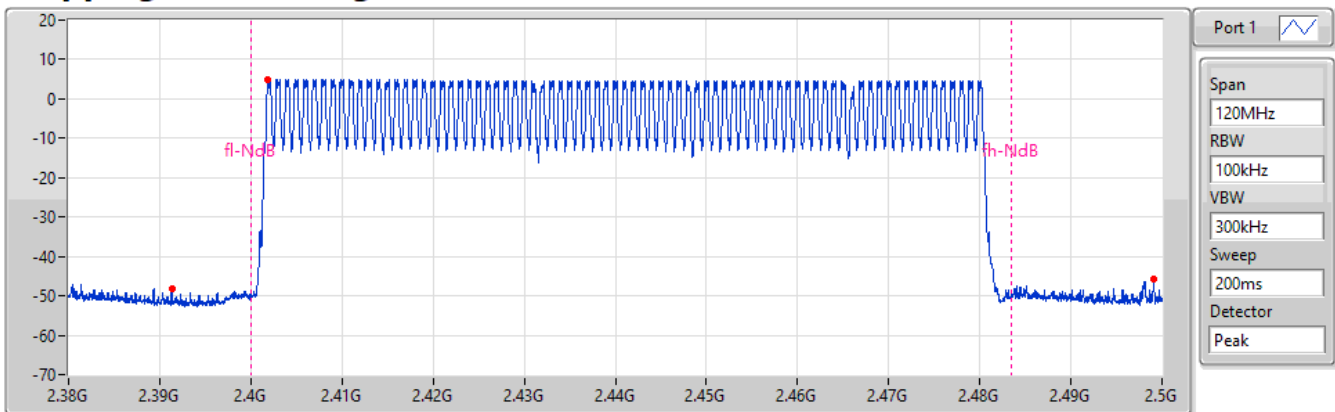
Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

15/11/2022



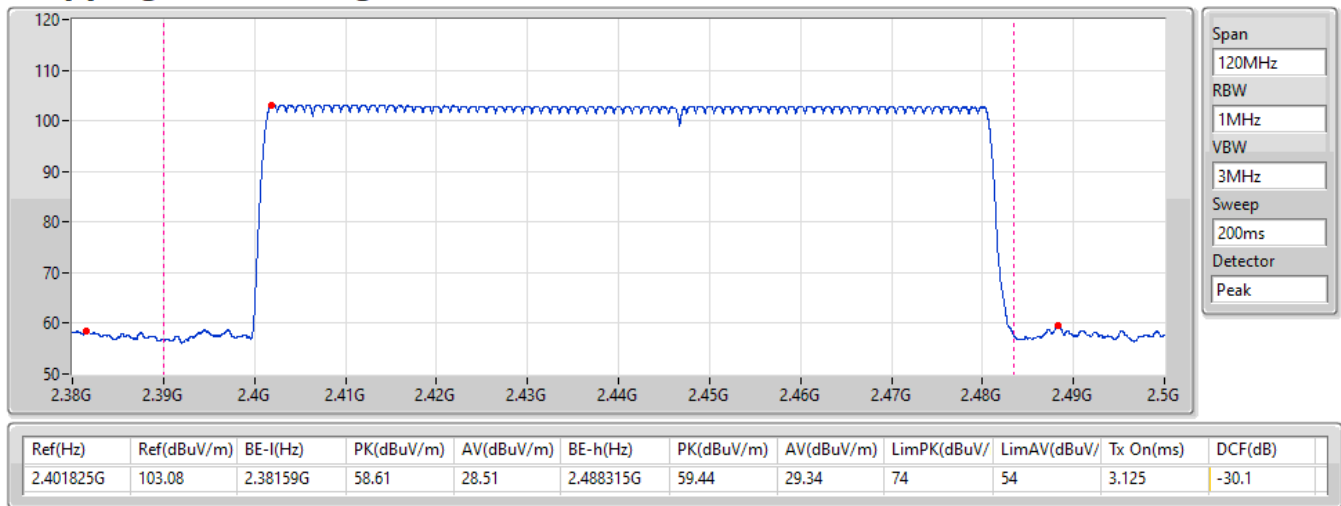
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-15.15	2.401825G	4.85	2.391325G	-48.25	2.499085G	-45.75

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

15/11/2022

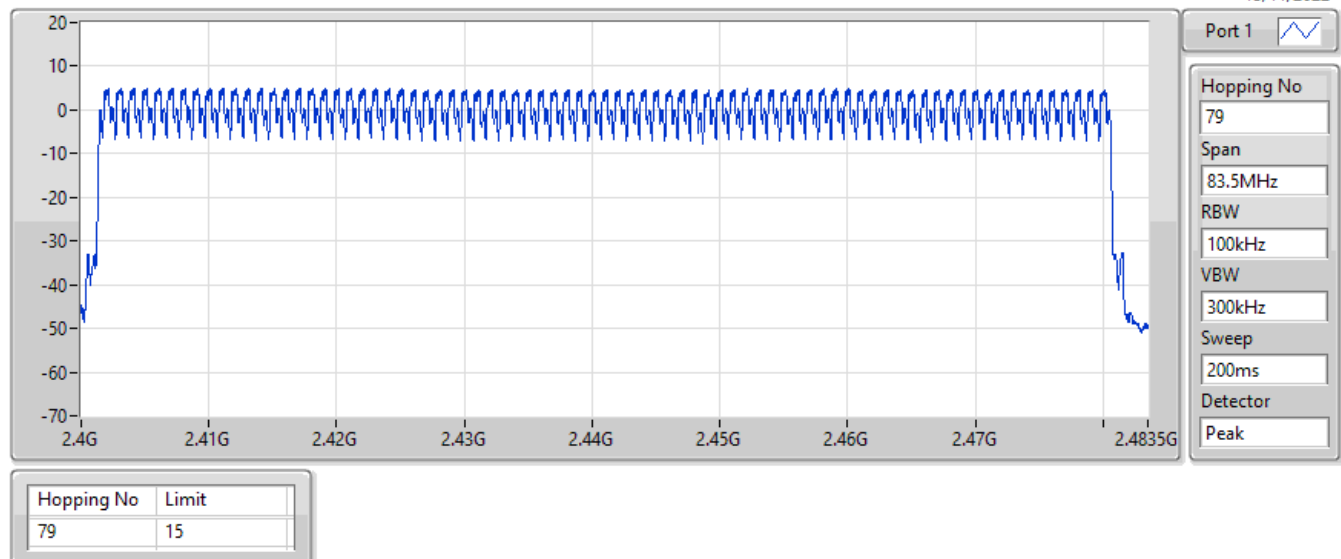


BT-EDR(2Mbps)

2440MHz

Hopping-FS

15/11/2022

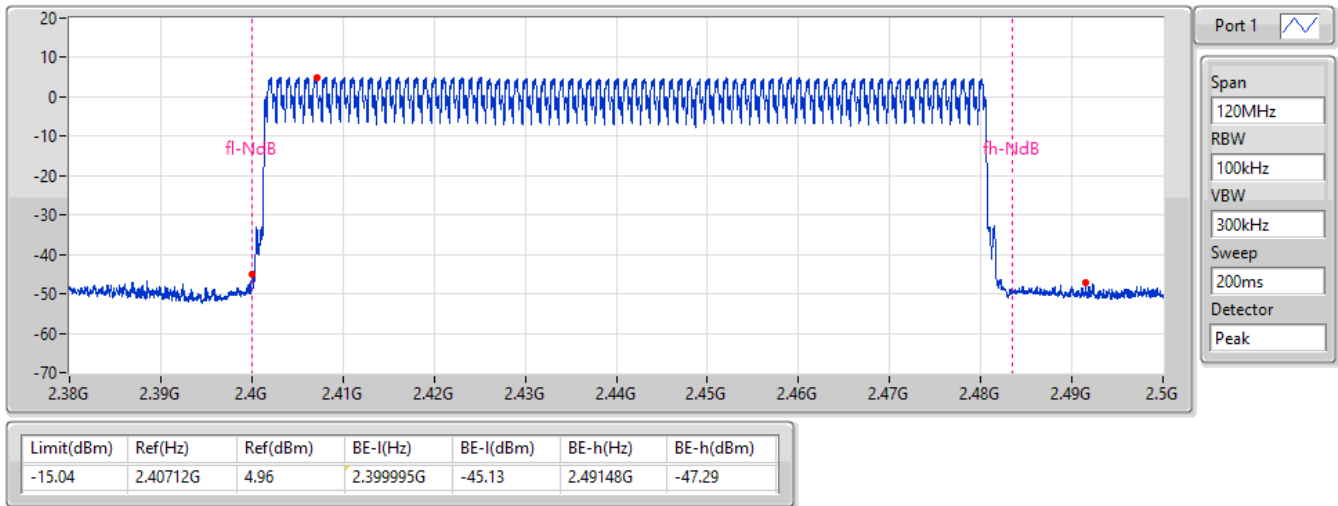


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

15/11/2022

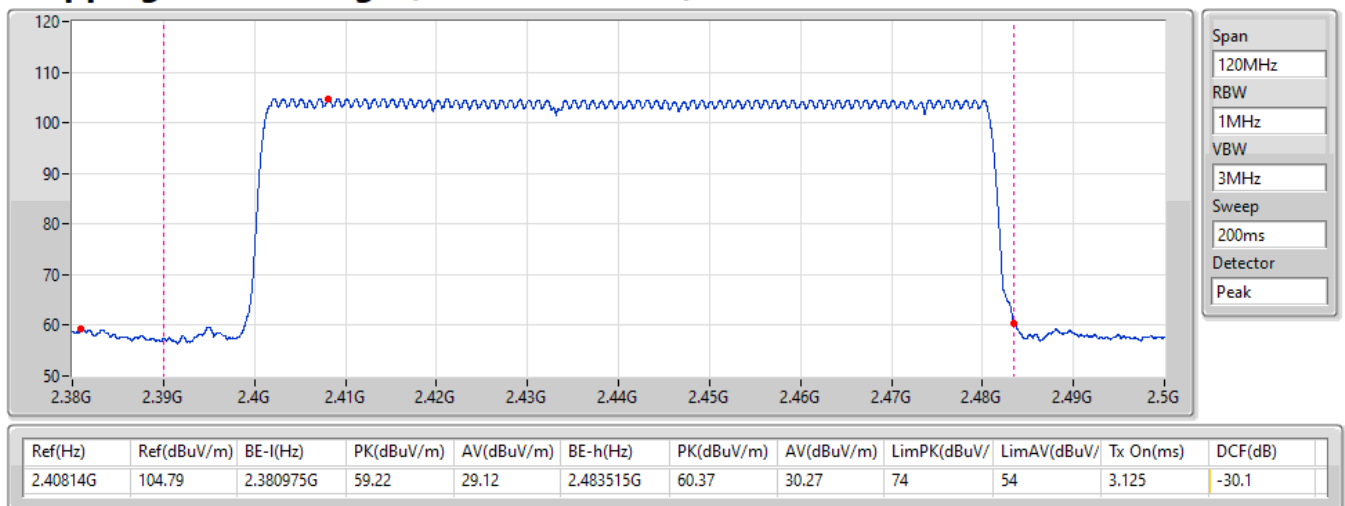


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

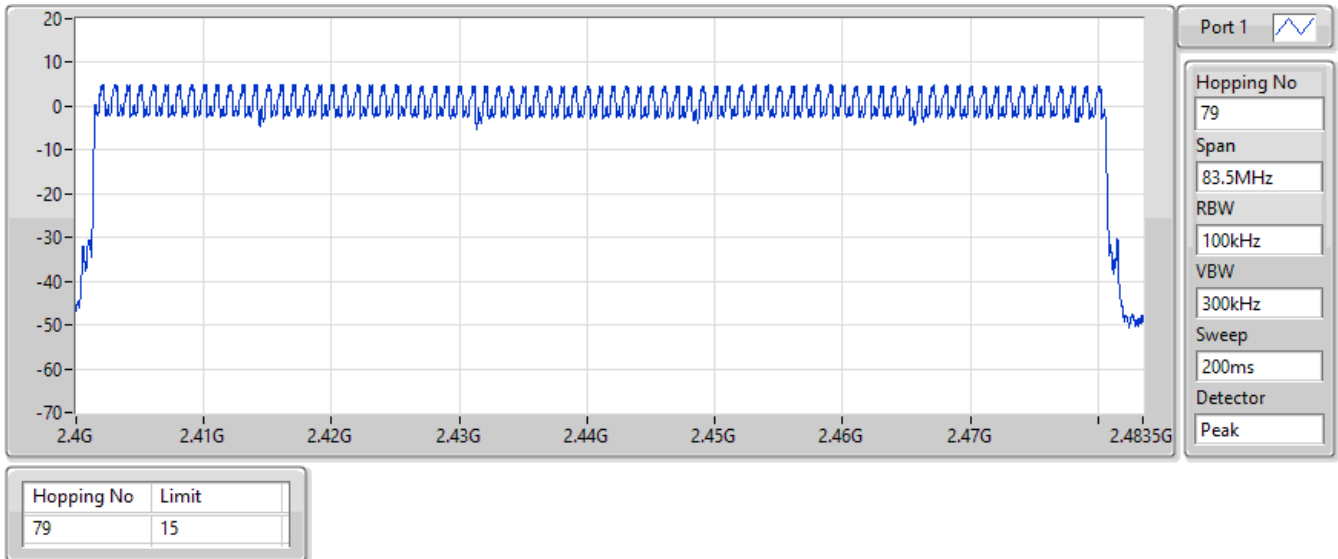
15/11/2022



BT-EDR(3Mbps) 2440MHz

Hopping-FS

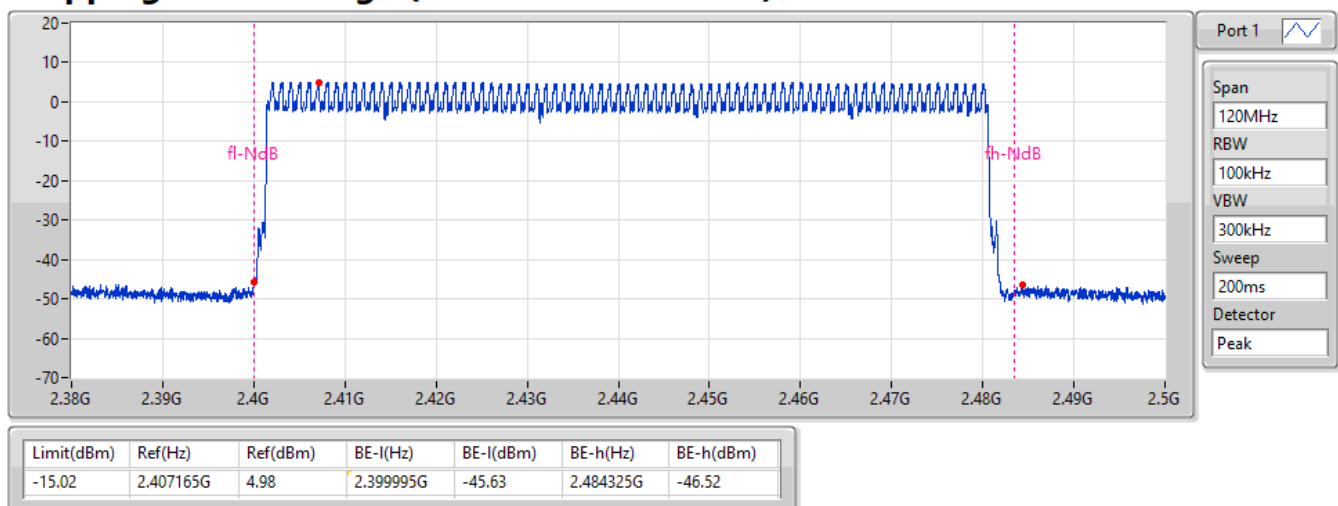
15/11/2022



BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)

15/11/2022

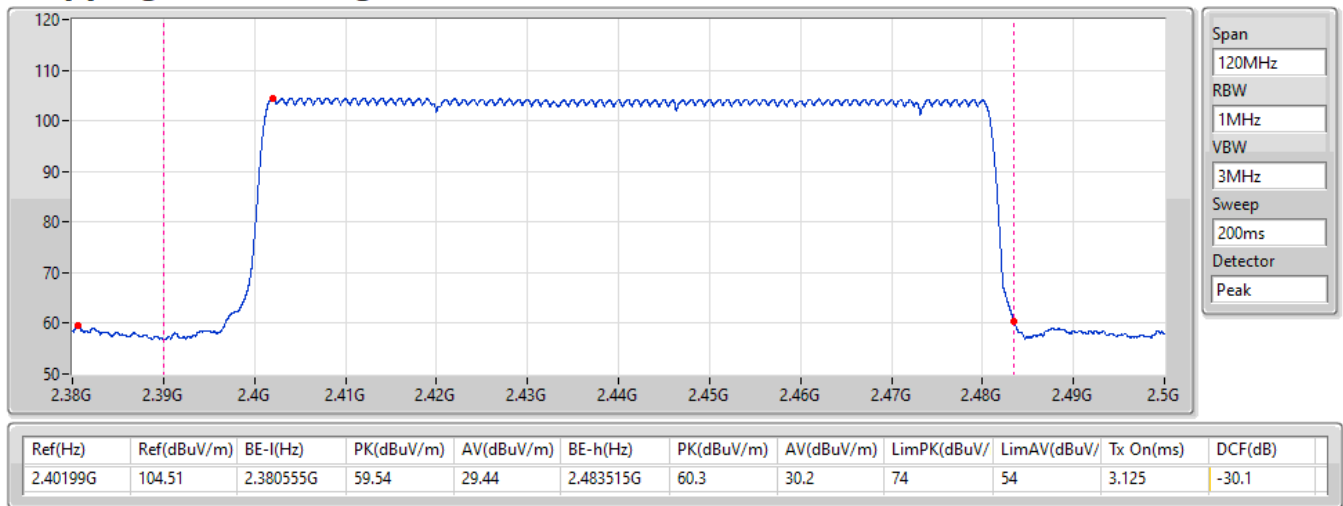


BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

15/11/2022





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.31385m_DH5
BT-EDR(2Mbps)	308.10065m_DH5
BT-EDR(3Mbps)	308.1806m_DH5

Result

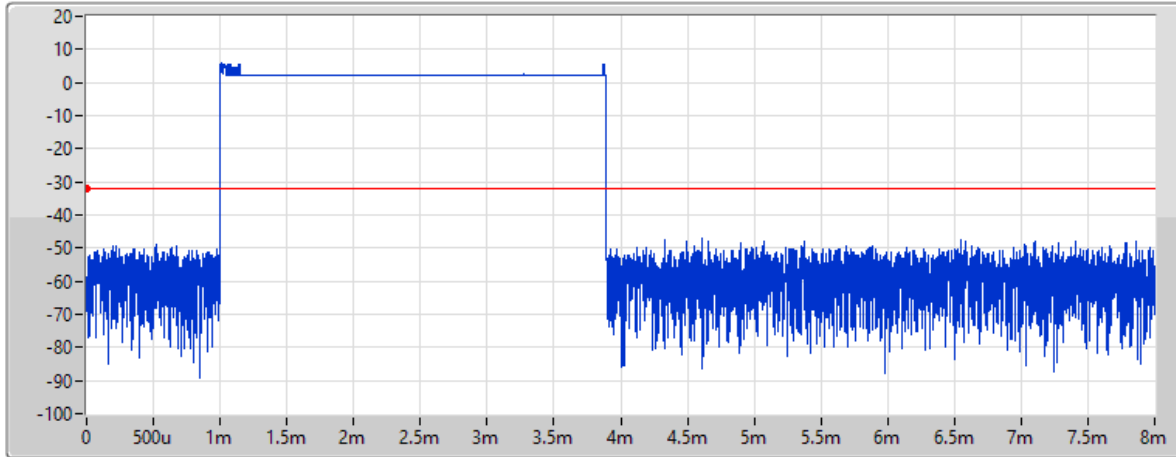
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.31385m_DH5	400m	2.89225m
2440MHz	Pass	8	154.1436m_DH5-AFH	400m	2.892m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.10065m_DH5	400m	2.89025m
2440MHz	Pass	8	154.06365m_DH5-AFH	400m	2.8905m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.1806m_DH5	400m	2.891m
2440MHz	Pass	8	154.076975m_DH5-AFH	400m	2.89075m

BT-BR(1Mbps)

Dwell-FS

2440MHz

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89225ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.31385m_DH5	400m	2.89225m

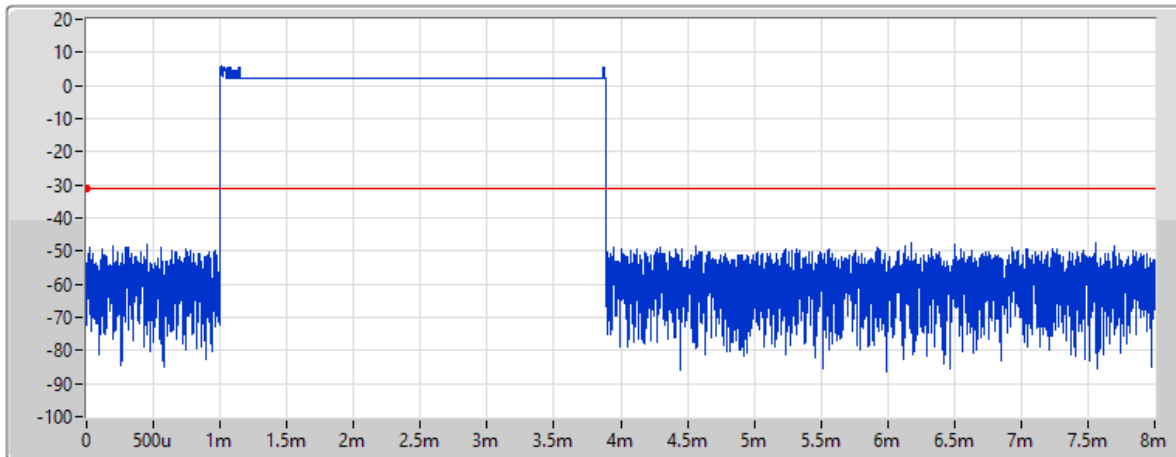
DH5

BT-BR(1Mbps)

Dwell-FS

2440MHz

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.892ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.1436m_DH5-AFH	400m	2.892m

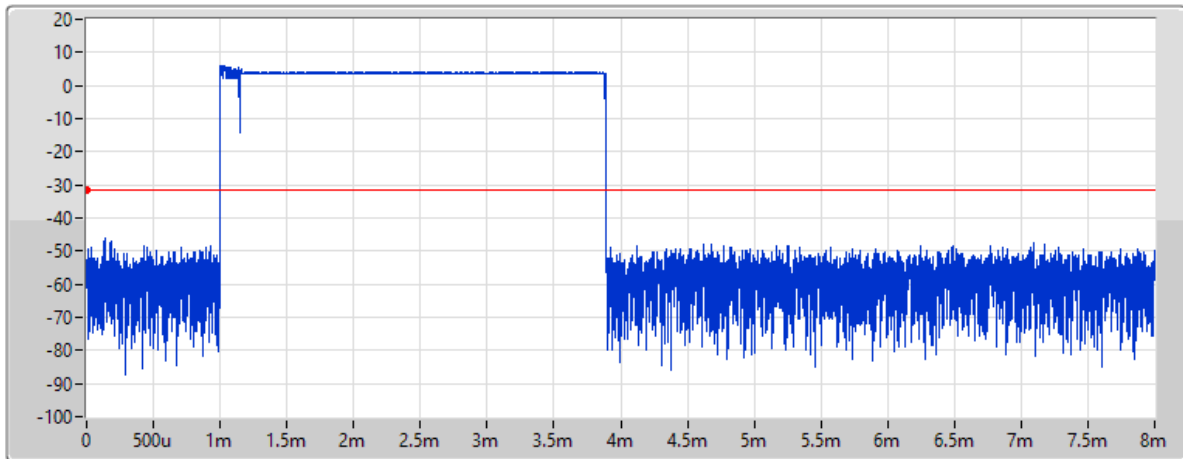
DH5-AFH

BT-EDR(2Mbps)

2440MHz

Dwell-FS

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89025ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.10065m_DH5	400m	2.89025m

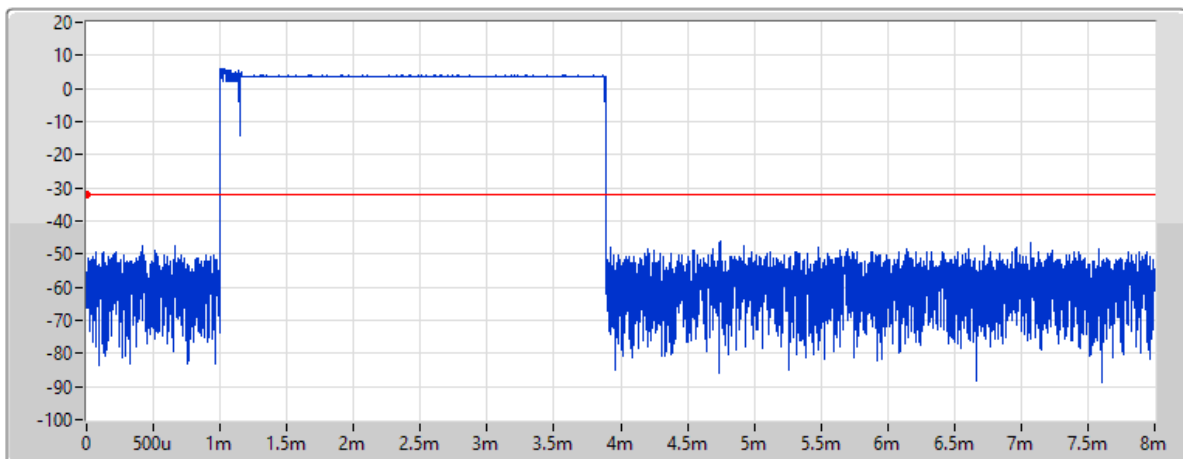
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.8905ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.06365m_DH5-AFH	400m	2.8905m

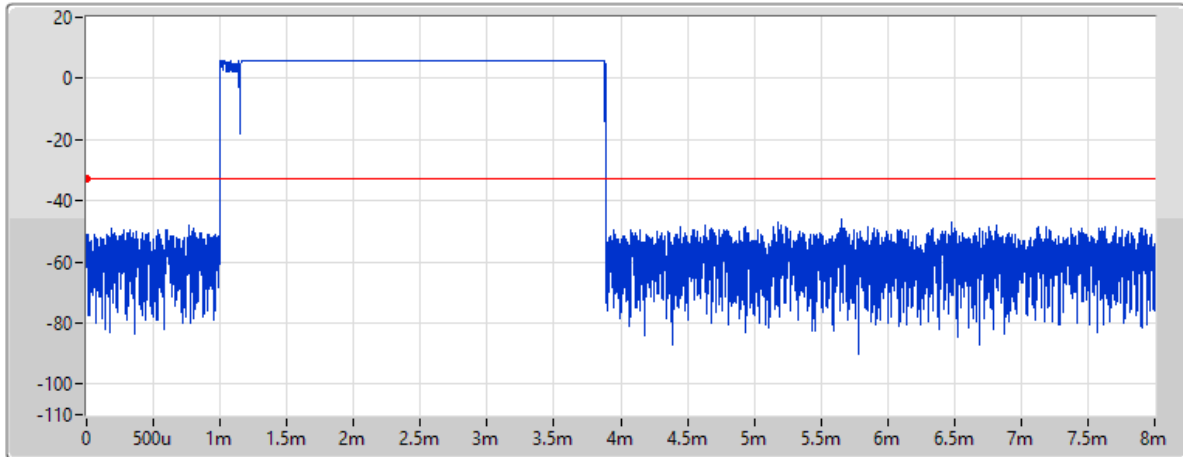
DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.891ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.1806m_DH5	400m	2.891m

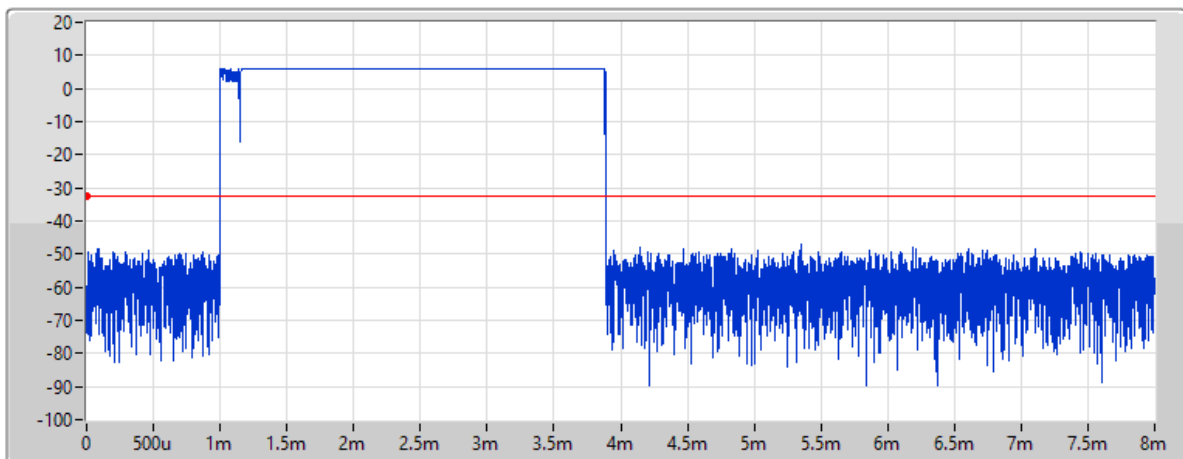
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

15/11/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89075ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.076975m_DH5-AF	400m	2.89075m

DH5-AFH

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40184G	4.20	-15.80	2.03808G	-52.54	2.39964G	-50.69	2.4G	-50.62	2.5001G	-52.26	17.69145G	-46.21	1
BT-EDR(2Mbps)	Pass	2.402G	4.12	-15.88	2.1074G	-52.06	2.39996G	-46.91	2.4G	-46.63	2.50098G	-52.17	16.61724G	-47.71	1
BT-EDR(3Mbps)	Pass	2.40184G	3.77	-16.23	907.73M	-52.09	2.39964G	-44.06	2.4G	-42.82	2.50182G	-51.76	6.90438G	-46.44	1

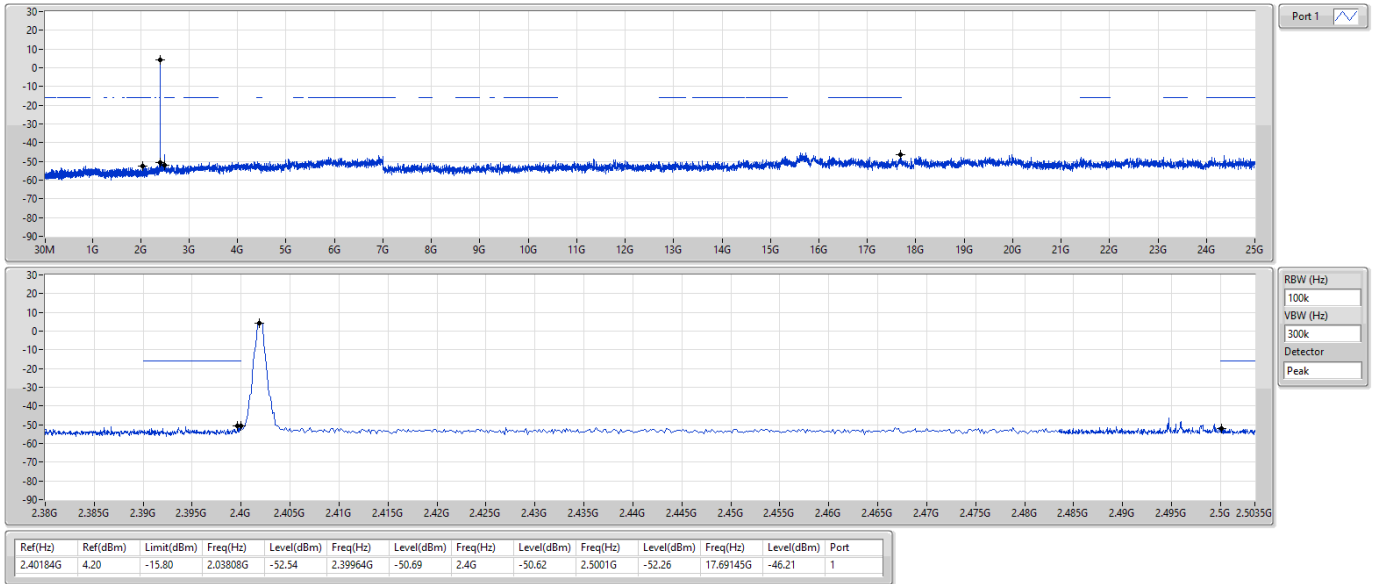
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	4.20	-15.80	2.03808G	-52.54	2.39964G	-50.69	2.4G	-50.62	2.5001G	-52.26	17.69145G	-46.21	1
2440MHz	Pass	2.44008G	3.92	-16.08	1.80073G	-52.92	2.39072G	-51.33	2.4G	-54.11	2.5015G	-51.95	16.23761G	-47.59	1
2480MHz	Pass	2.48016G	4.32	-15.68	801.98M	-51.66	2.39076G	-52.20	2.4G	-52.66	2.5021G	-51.18	6.70753G	-47.37	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	4.12	-15.88	2.1074G	-52.06	2.39996G	-46.91	2.4G	-46.63	2.50098G	-52.17	16.61724G	-47.71	1
2440MHz	Pass	2.44008G	3.55	-16.45	1.89238G	-52.70	2.39536G	-51.61	2.4G	-54.40	2.50042G	-51.33	5.81049G	-46.91	1
2480MHz	Pass	2.47983G	3.63	-16.37	876M	-53.00	2.39012G	-51.17	2.4G	-53.95	2.50294G	-52.24	16.24605G	-47.21	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	3.77	-16.23	907.73M	-52.09	2.39964G	-44.06	2.4G	-42.82	2.50182G	-51.76	6.90438G	-46.44	1
2440MHz	Pass	2.43991G	4.24	-15.76	2.17908G	-52.86	2.39892G	-52.06	2.4G	-53.73	2.50046G	-51.92	17.69426G	-46.96	1
2480MHz	Pass	2.48016G	3.80	-16.20	1.86653G	-52.00	2.39088G	-50.97	2.4G	-54.39	2.50274G	-50.96	16.22918G	-46.24	1

BT-BR(1Mbps)

CSENdB-FS

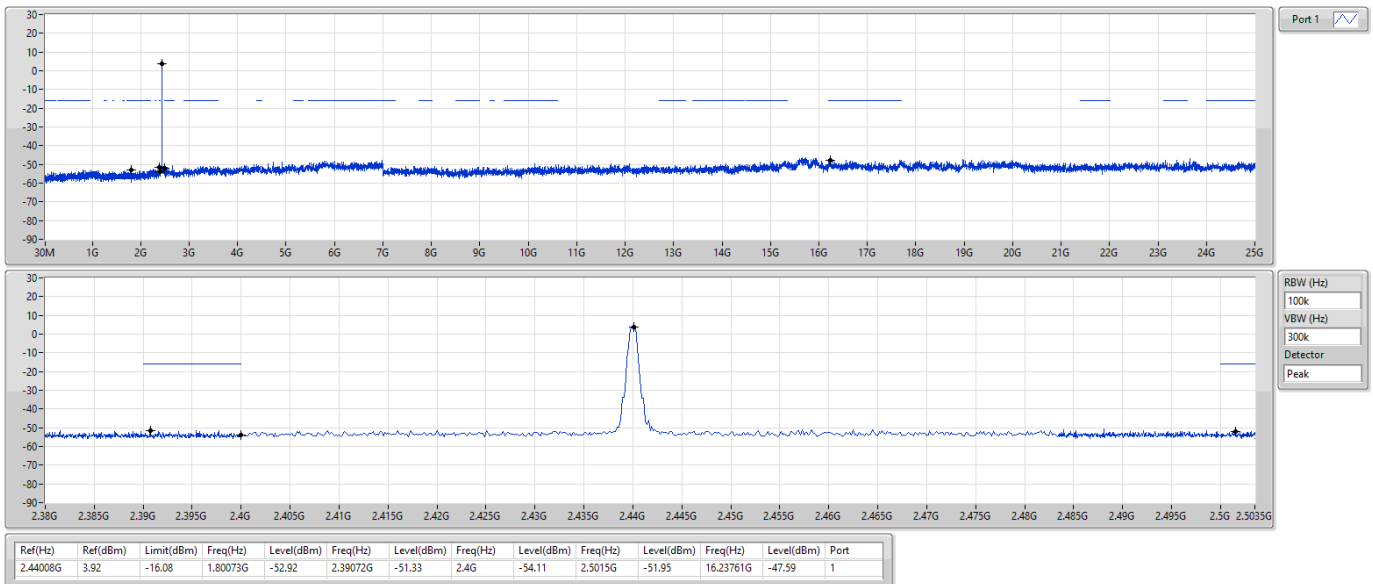
2402MHz



BT-BR(1Mbps)

CSENdB-FS

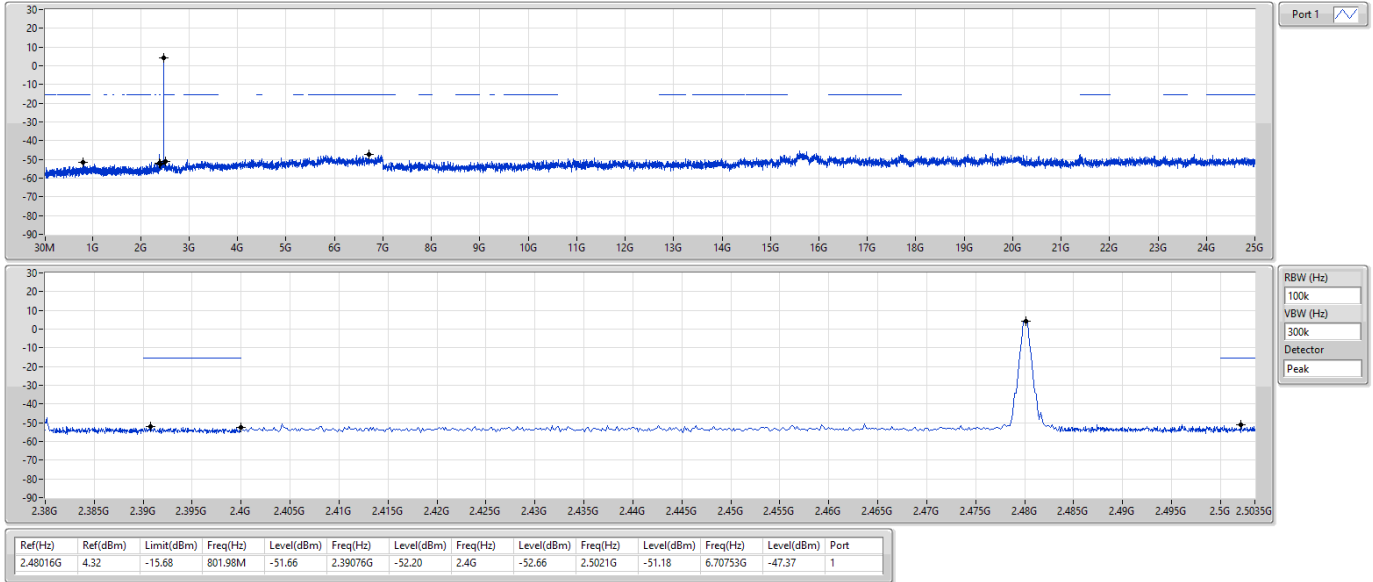
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BT-BR(1Mbps)

CSEndB-FS

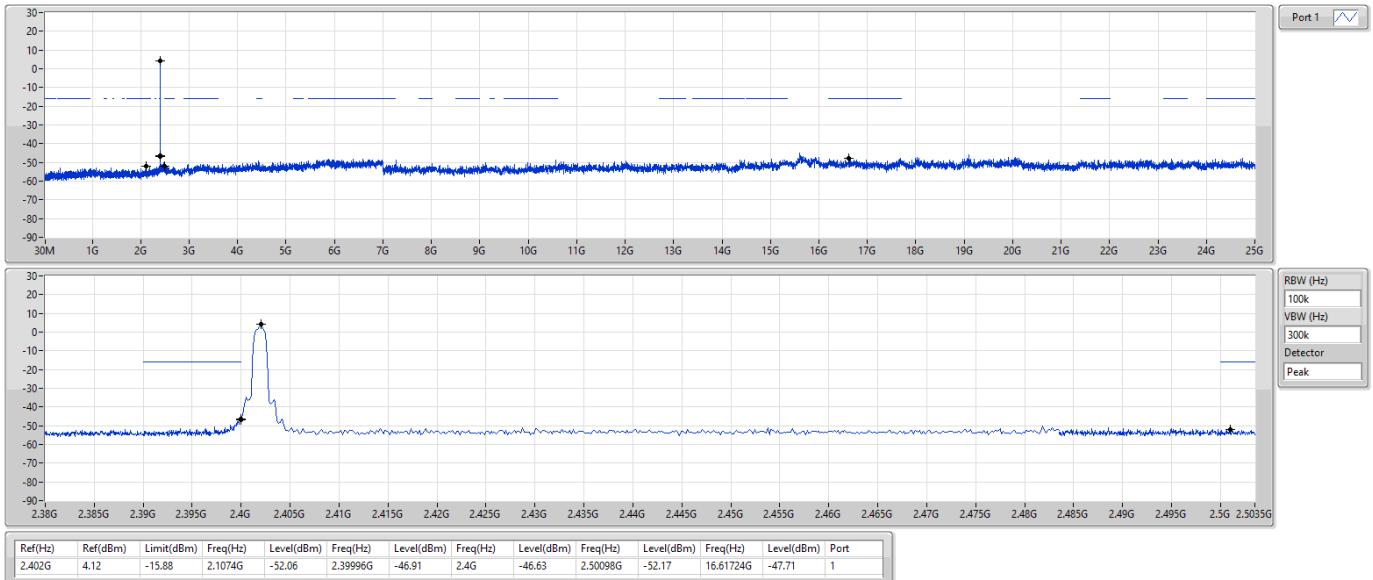
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

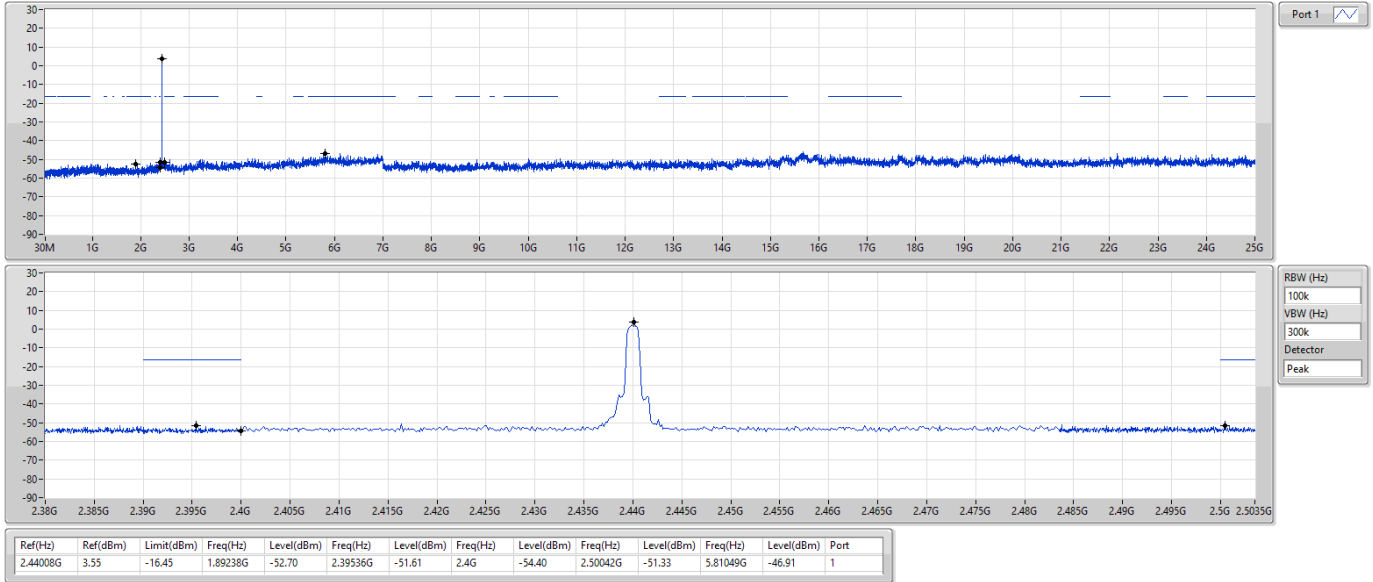
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BT-EDR(2Mbps)

CSEndB-FS

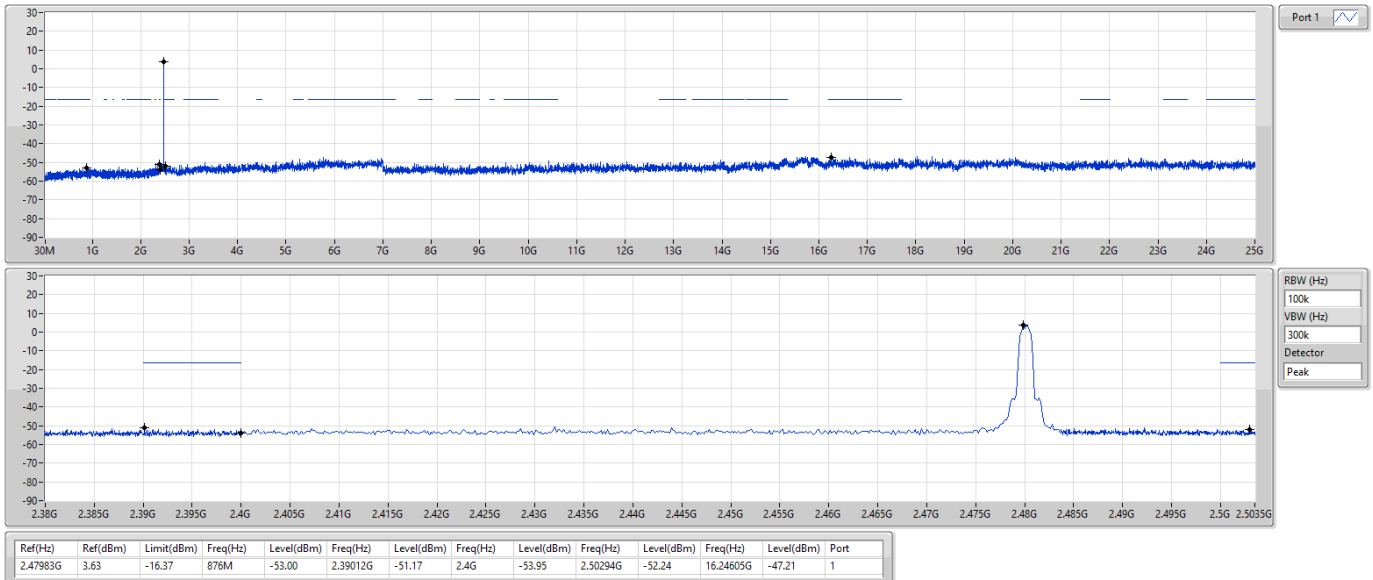
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BT-EDR(2Mbps)

CSEndB-FS

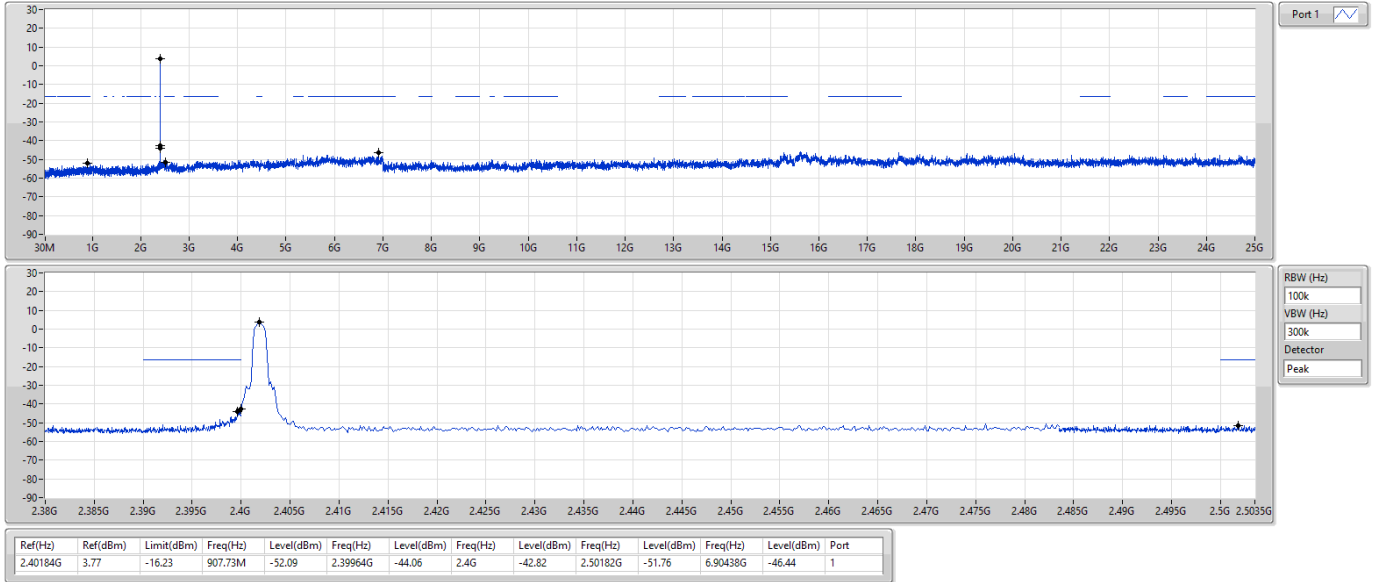
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

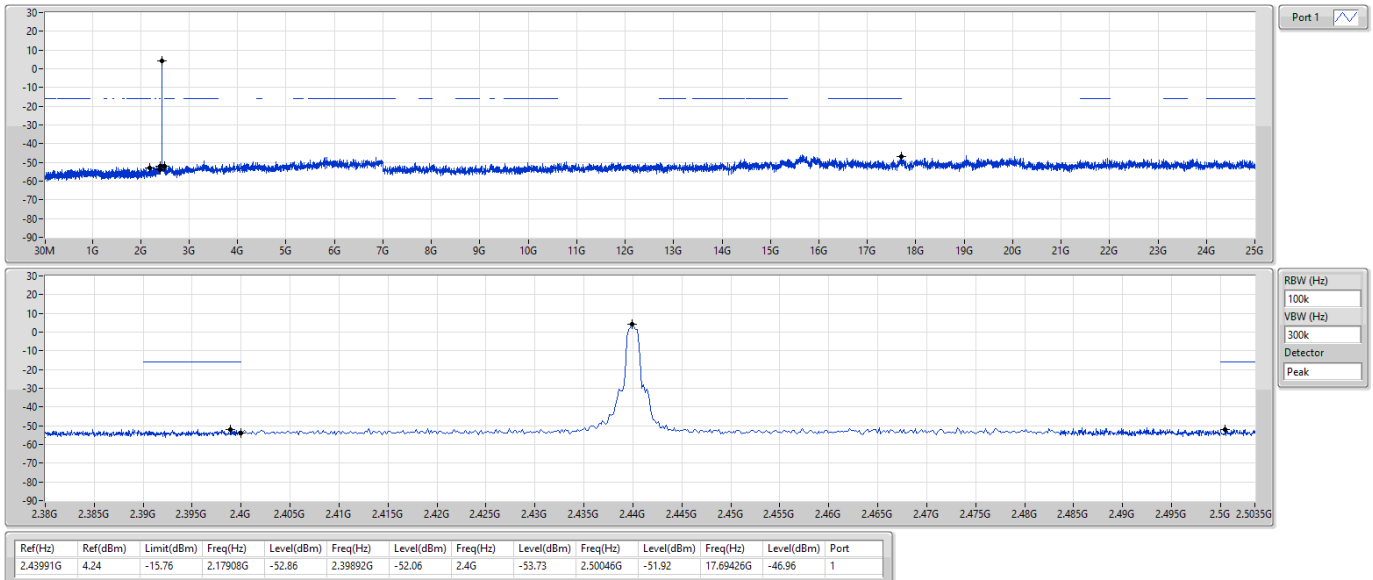
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

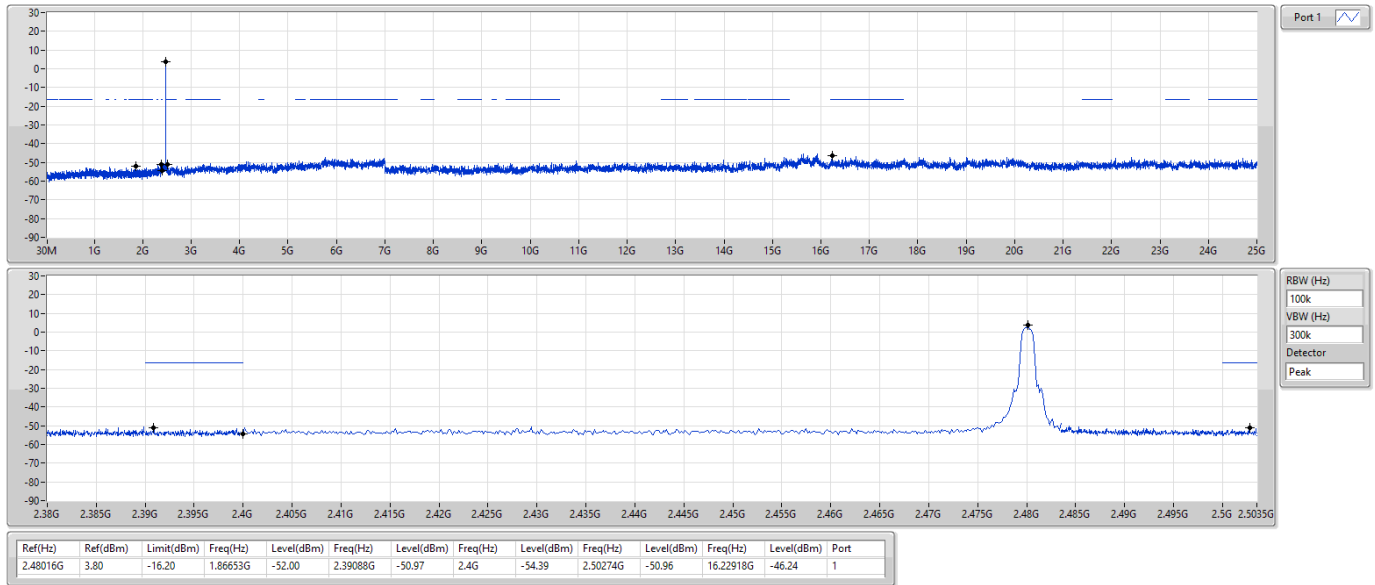
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BT-EDR(3Mbps)

CSEndB-FS

2480MHz





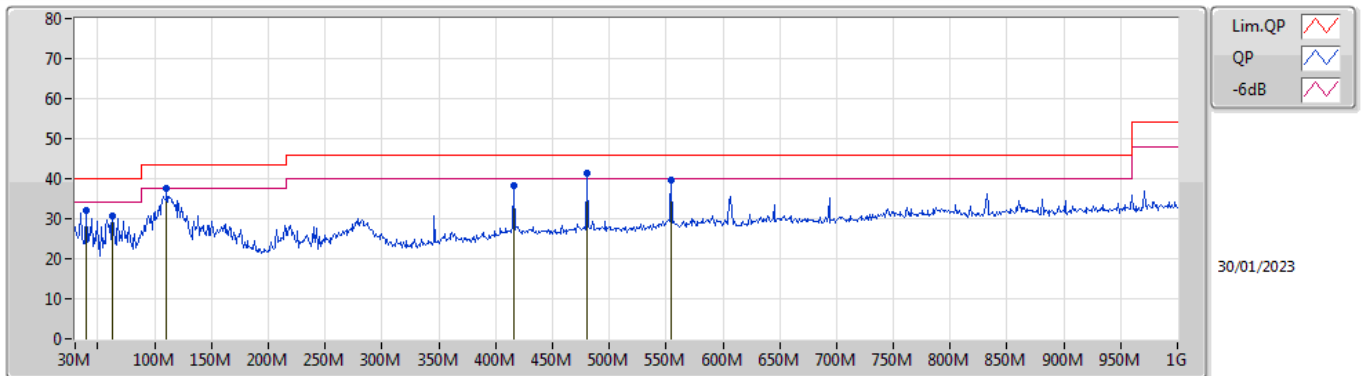
Radiated Emissions below 1GHz

Appendix G.1

Summary

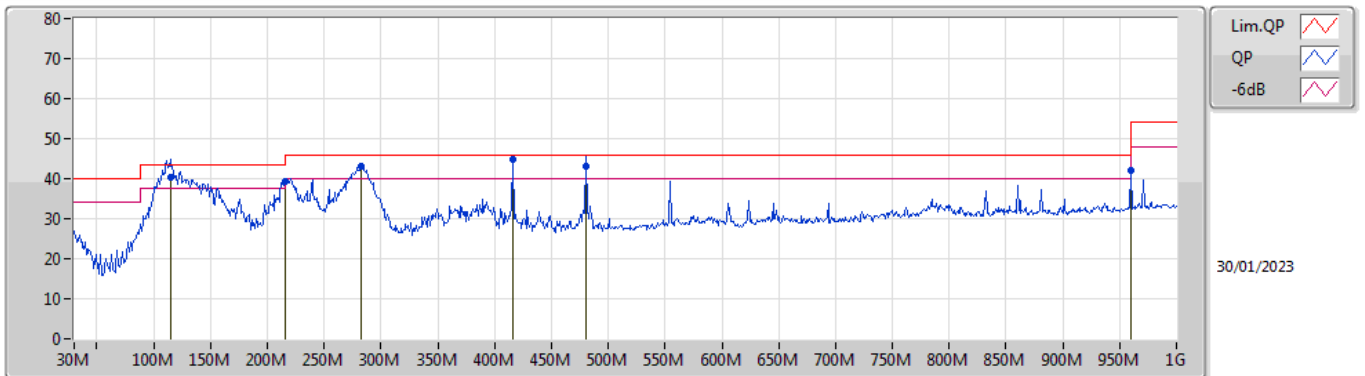
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	416.06M	44.99	46.00	-1.01	Horizontal

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	39.7M	32.18	40.00	-7.82	-11.90	3	Vertical	123	1.00	-	44.08	19.32	0.90	32.12
PK	62.98M	30.85	40.00	-9.15	-18.65	3	Vertical	124	2.00	-	49.50	12.41	1.09	32.15
PK	110.51M	37.58	43.50	-5.92	-12.95	3	Vertical	213	1.50	-	50.53	17.64	1.43	32.02
PK	416.06M	38.39	46.00	-7.61	-6.49	3	Vertical	239	2.00	-	44.88	22.23	2.77	31.49
PK	480.08M	41.39	46.00	-4.61	-5.33	3	Vertical	211	2.00	"Worst"	46.72	23.21	2.99	31.53
PK	554.77M	39.67	46.00	-6.33	-3.72	3	Vertical	5	1.50	-	43.39	24.75	3.20	31.67

Mode 3



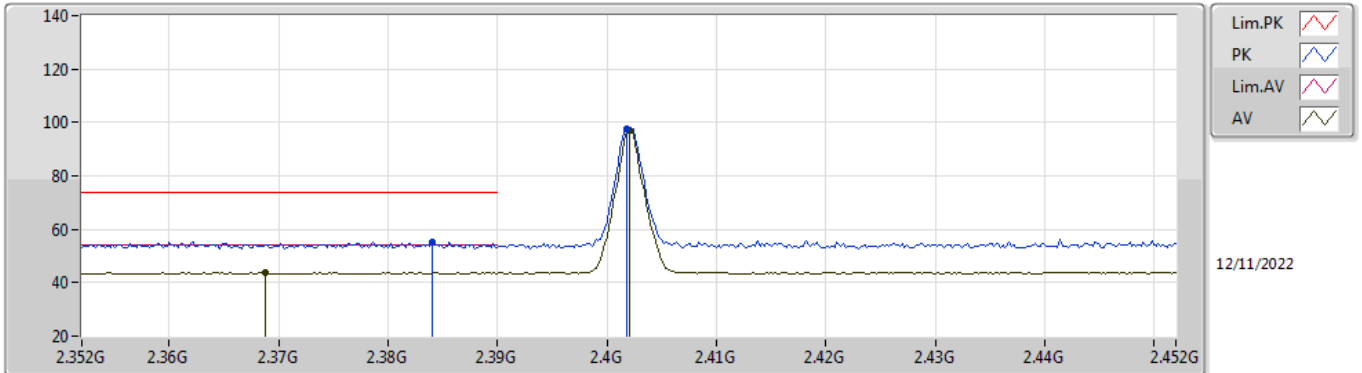
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	114.39M	40.36	43.50	-3.14	-12.64	3	Horizontal	359	2.00	-	53.00	17.87	1.46	31.97
PK	215.27M	39.21	43.50	-4.29	-15.16	3	Horizontal	145	2.00	-	54.37	14.89	1.91	31.96
PK	282.2M	43.14	46.00	-2.86	-10.83	3	Horizontal	338	1.50	-	53.97	18.74	2.23	31.80
QP	416.06M	44.99	46.00	-1.01	-6.49	3	Horizontal	294	1.00	"Worst"	51.48	22.23	2.77	31.49
QP	480.08M	42.94	46.00	-3.06	-5.33	3	Horizontal	194	1.00	-	48.27	23.21	2.99	31.53
PK	959.9M	42.21	46.00	-3.79	0.65	3	Horizontal	360	1.25	-	41.56	26.80	4.30	30.45

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	48.50	54.00	-5.50	3	Horizontal	210	2.06	-

BT-BR(1Mbps)

2402MHz_TX

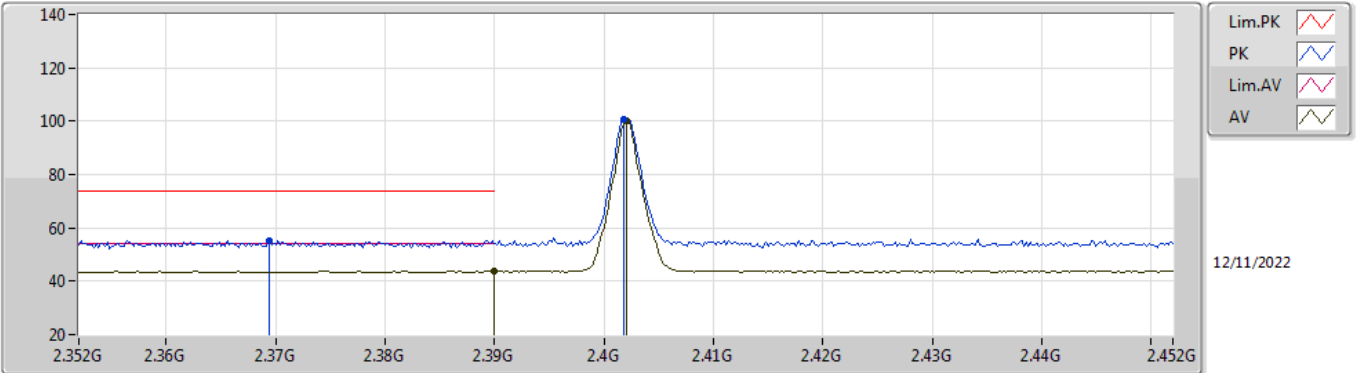


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.384G	55.28	74.00	-18.72	23.72	3	Vertical	167	2.77	-	28.37	3.19	-	
AV	2.3688G	43.68	54.00	-10.32	12.16	3	Vertical	167	2.77	-	28.34	3.18	-	
PK	2.4018G	97.81	Inf	-Inf	66.21	3	Vertical	167	2.77	-	28.40	3.20	-	
AV	2.402G	96.95	Inf	-Inf	65.35	3	Vertical	167	2.77	-	28.40	3.20	-	

BT-BR(1Mbps)

2402MHz_TX

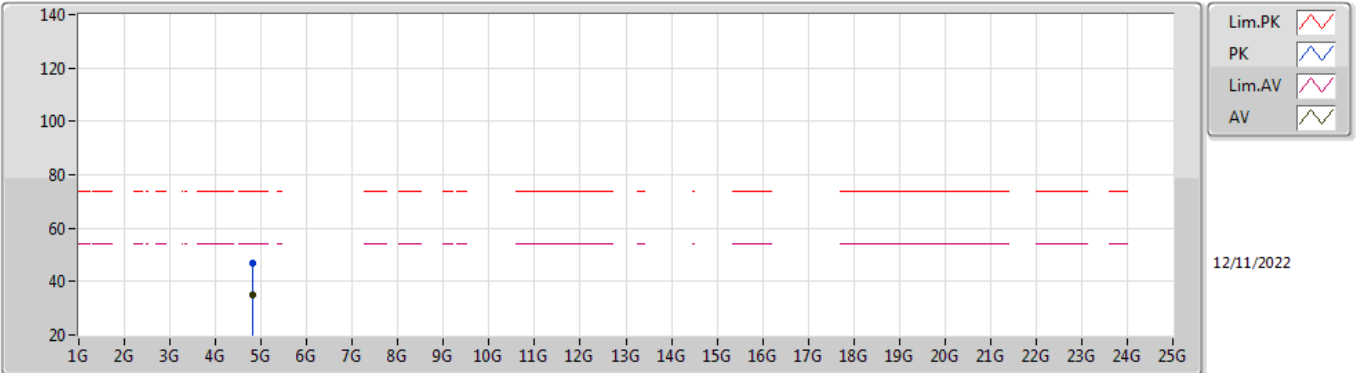


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3694G	55.14	74.00	-18.86	23.62	3	Horizontal	210	2.21	-	28.34	3.18	-	
AV	2.39G	43.73	54.00	-10.27	12.15	3	Horizontal	210	2.21	-	28.38	3.20	-	
PK	2.4018G	100.84	Inf	-Inf	69.24	3	Horizontal	210	2.21	-	28.40	3.20	-	
AV	2.402G	99.94	Inf	-Inf	68.34	3	Horizontal	210	2.21	-	28.40	3.20	-	

BT-BR(1Mbps)

2402MHz_TX

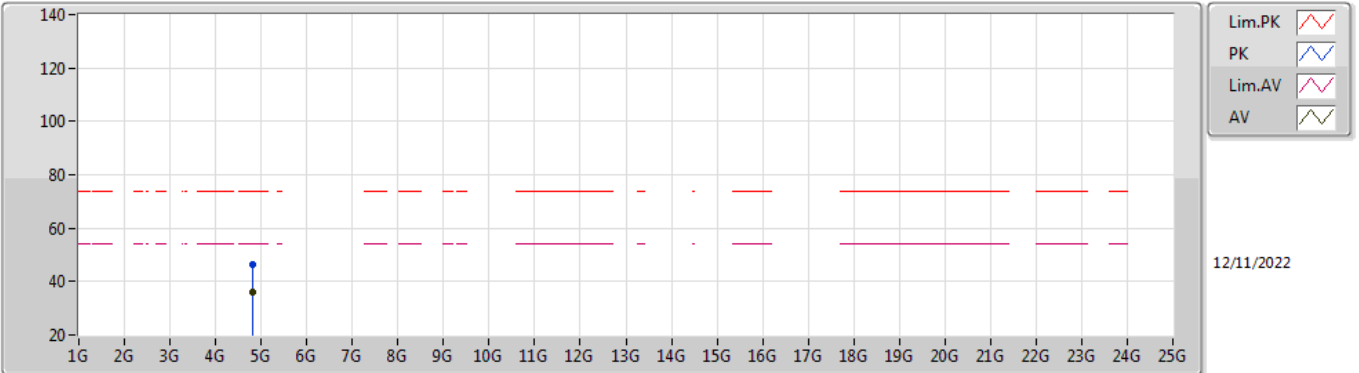


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80362G	46.75	74.00	-27.25	39.14	3	Vertical	179	1.92	-	32.82	5.60	30.81
AV	4.80402G	34.91	54.00	-19.09	27.30	3	Vertical	179	1.92	-	32.82	5.60	30.81

BT-BR(1Mbps)

2402MHz_TX

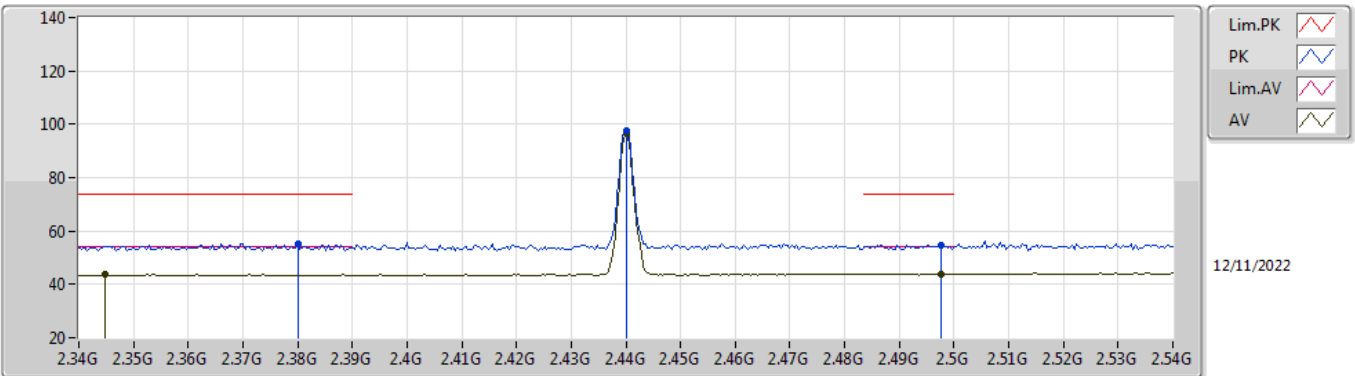


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.804G	46.49	74.00	-27.51	38.88	3	Horizontal	153	1.74	-	32.82	5.60	30.81
AV	4.80404G	36.01	54.00	-17.99	28.40	3	Horizontal	153	1.74	-	32.82	5.60	30.81

BT-BR(1Mbps)

2440MHz_TX

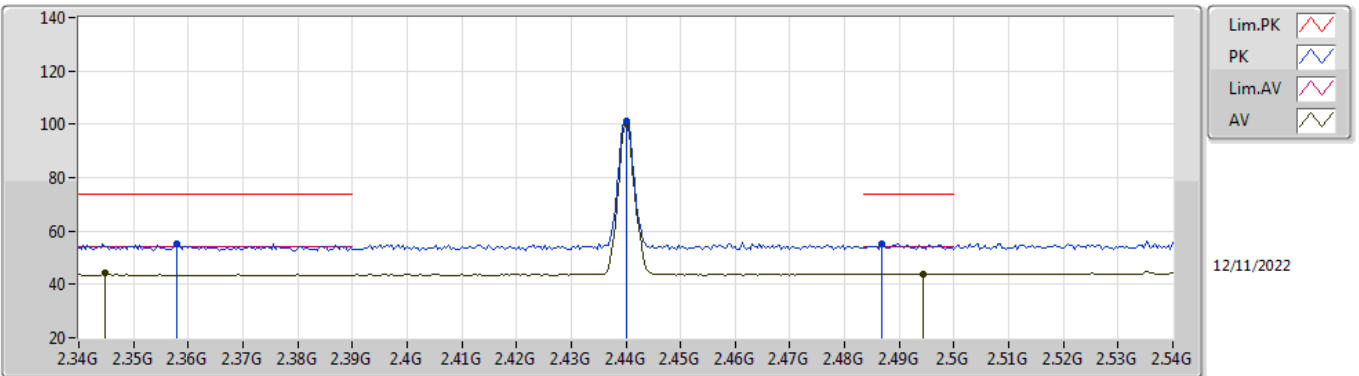


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.38G	54.99	74.00	-19.01	23.44	3	Vertical	202	1.86	-	28.36	3.19	-	
AV	2.3448G	43.82	54.00	-10.18	12.37	3	Vertical	202	1.86	-	28.28	3.17	-	
PK	2.44G	97.45	Inf	-Inf	65.83	3	Vertical	202	1.86	-	28.40	3.22	-	
AV	2.44G	96.57	Inf	-Inf	64.95	3	Vertical	202	1.86	-	28.40	3.22	-	
PK	2.4976G	54.80	74.00	-19.20	22.96	3	Vertical	202	1.86	-	28.59	3.25	-	
AV	2.4976G	43.93	54.00	-10.07	12.09	3	Vertical	202	1.86	-	28.59	3.25	-	

BT-BR(1Mbps)

2440MHz_TX

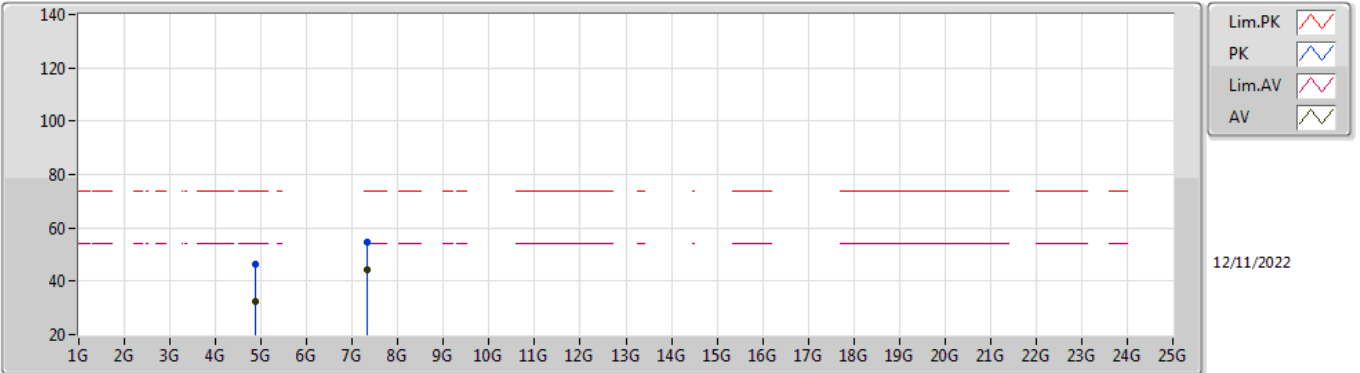


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.358G	55.30	74.00	-18.70	23.80	3	Horizontal	210	2.15	-	28.32	3.18	-	
AV	2.3448G	44.15	54.00	-9.85	12.70	3	Horizontal	210	2.15	-	28.28	3.17	-	
PK	2.44G	101.22	Inf	-Inf	69.60	3	Horizontal	210	2.15	-	28.40	3.22	-	
AV	2.44G	100.31	Inf	-Inf	68.69	3	Horizontal	210	2.15	-	28.40	3.22	-	
PK	2.4868G	55.43	74.00	-18.57	23.64	3	Horizontal	210	2.15	-	28.55	3.24	-	
AV	2.4944G	43.95	54.00	-10.05	12.12	3	Horizontal	210	2.15	-	28.58	3.25	-	

BT-BR(1Mbps)

2440MHz_TX

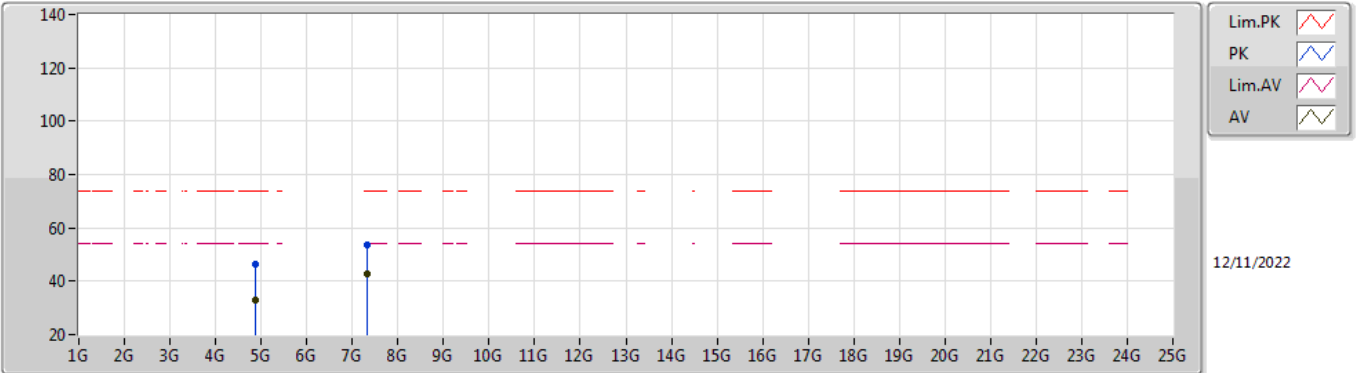


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87983G	46.16	74.00	-27.84	38.14	3	Vertical	63	3.00	-	33.16	5.64	30.78	
AV	4.8795G	32.55	54.00	-21.45	24.53	3	Vertical	63	3.00	-	33.16	5.64	30.78	
PK	7.3197G	54.63	74.00	-19.37	43.28	3	Vertical	299	2.60	-	36.44	6.84	31.93	
AV	7.31967G	44.50	54.00	-9.50	33.15	3	Vertical	299	2.60	-	36.44	6.84	31.93	

BT-BR(1Mbps)

2440MHz_TX

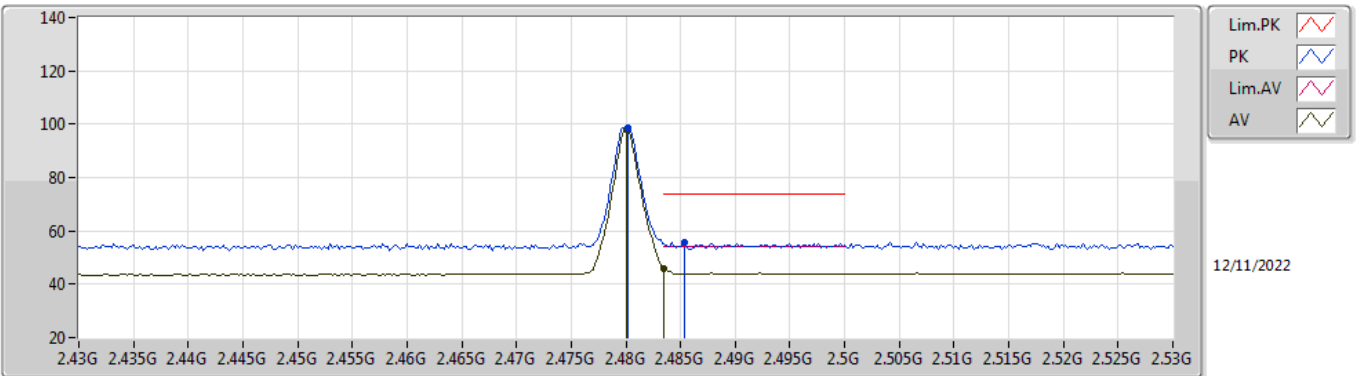


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88208G	46.45	74.00	-27.55	38.43	3	Horizontal	221	1.80	-	33.16	5.64	30.78	
AV	4.88005G	33.05	54.00	-20.95	25.03	3	Horizontal	221	1.80	-	33.16	5.64	30.78	
PK	7.31944G	53.68	74.00	-20.32	42.33	3	Horizontal	186	1.07	-	36.44	6.84	31.93	
AV	7.32045G	42.66	54.00	-11.34	31.31	3	Horizontal	186	1.07	-	36.44	6.84	31.93	

BT-BR(1Mbps)

2480MHz_TX

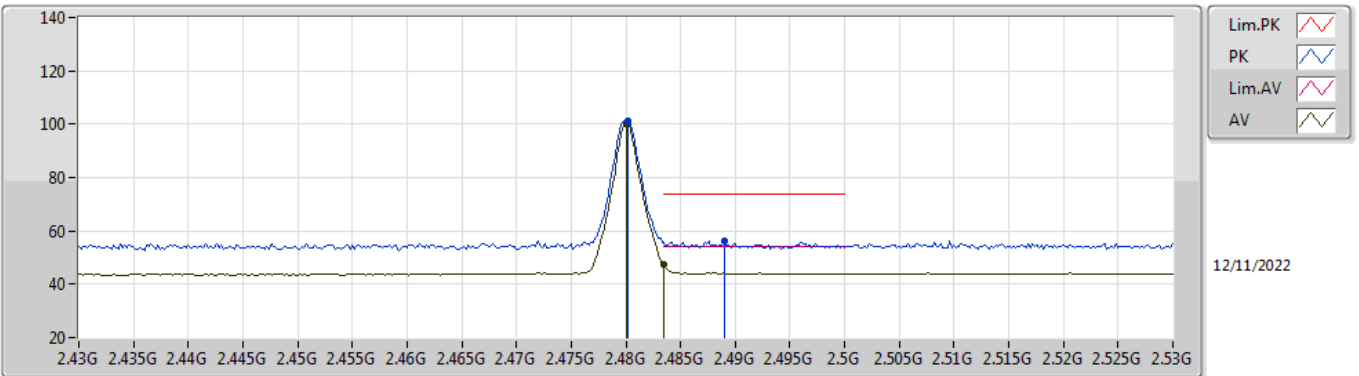


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.4802G	98.77	Inf	-Inf	67.01	3	Vertical	189	1.41	-	28.52	3.24	-	
AV	2.48G	97.93	Inf	-Inf	66.17	3	Vertical	189	1.41	-	28.52	3.24	-	
PK	2.4854G	55.71	74.00	-18.29	23.93	3	Vertical	189	1.41	-	28.54	3.24	-	
AV	2.4835G	46.04	54.00	-7.96	14.27	3	Vertical	189	1.41	-	28.53	3.24	-	

BT-BR(1Mbps)

2480MHz_TX

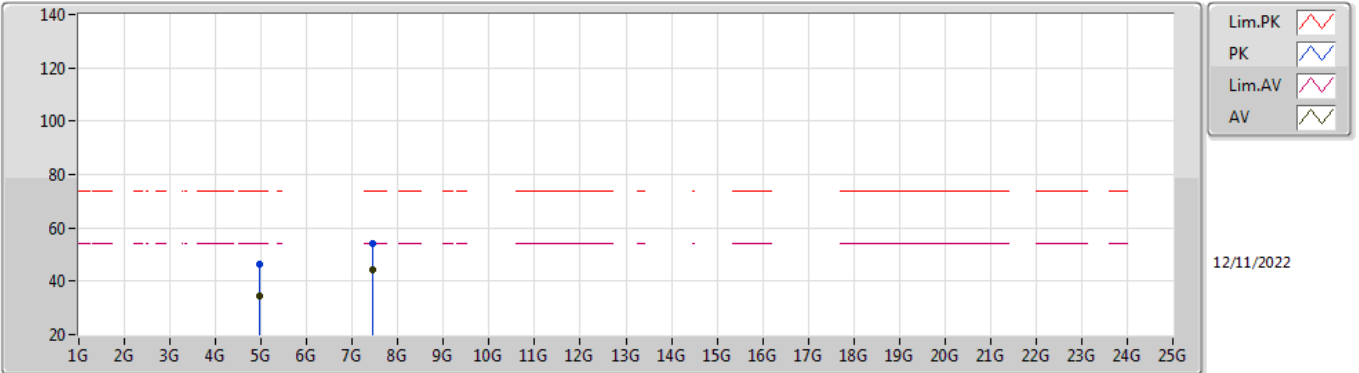


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4802G	101.14	Inf	-Inf	69.38	3	Horizontal	212	1.74	-	28.52	3.24	-	
AV	2.48G	100.24	Inf	-Inf	68.48	3	Horizontal	212	1.74	-	28.52	3.24	-	
PK	2.489G	55.98	74.00	-18.02	24.18	3	Horizontal	212	1.74	-	28.56	3.24	-	
AV	2.4835G	47.37	54.00	-6.63	15.60	3	Horizontal	212	1.74	-	28.53	3.24	-	

BT-BR(1Mbps)

2480MHz_TX

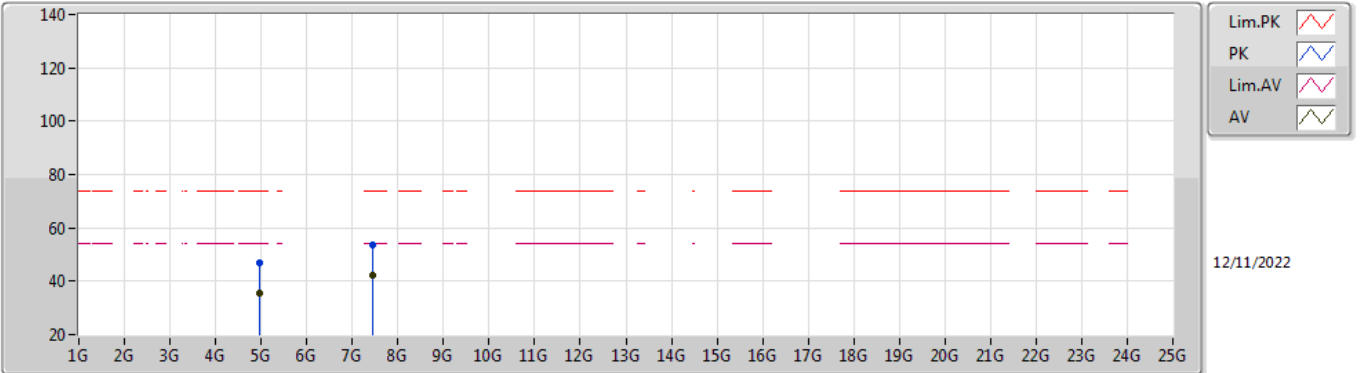


EUT_Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.95987G	46.54	74.00	-27.46	38.29	3	Vertical	7	2.55	-	33.32	5.68	30.75
AV	4.96009G	34.48	54.00	-19.52	26.23	3	Vertical	7	2.55	-	33.32	5.68	30.75
PK	7.44042G	54.04	74.00	-19.96	42.70	3	Vertical	202	1.78	-	36.50	6.84	32.00
AV	7.44001G	44.20	54.00	-9.80	32.86	3	Vertical	202	1.78	-	36.50	6.84	32.00

BT-BR(1Mbps)

2480MHz_TX

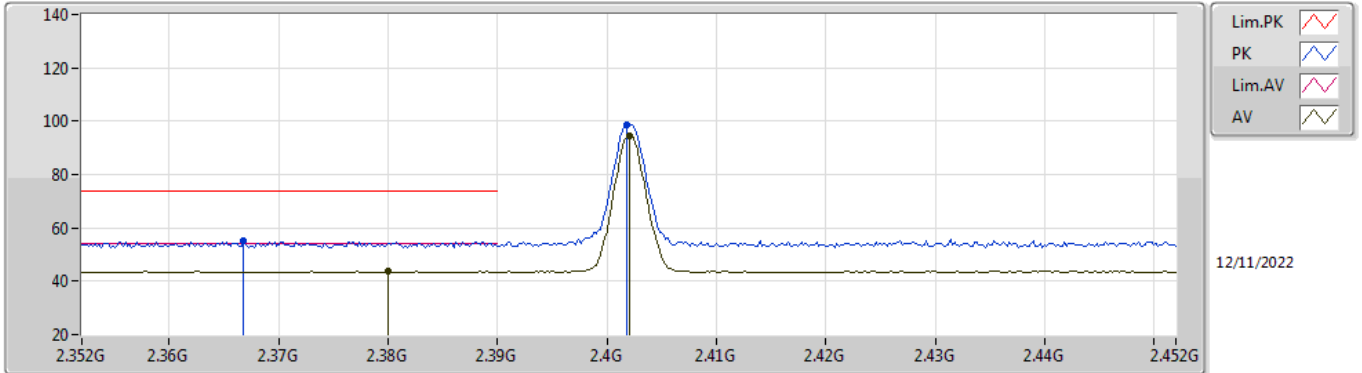


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.96027G	47.15	74.00	-26.85	38.90	3	Horizontal	222	1.98	-	33.32	5.68	30.75	
AV	4.9599G	35.60	54.00	-18.40	27.35	3	Horizontal	222	1.98	-	33.32	5.68	30.75	
PK	7.43953G	53.67	74.00	-20.33	42.32	3	Horizontal	158	2.09	-	36.50	6.84	31.99	
AV	7.43994G	42.11	54.00	-11.89	30.77	3	Horizontal	158	2.09	-	36.50	6.84	32.00	

BT-EDR(3Mbps)

2402MHz_TX

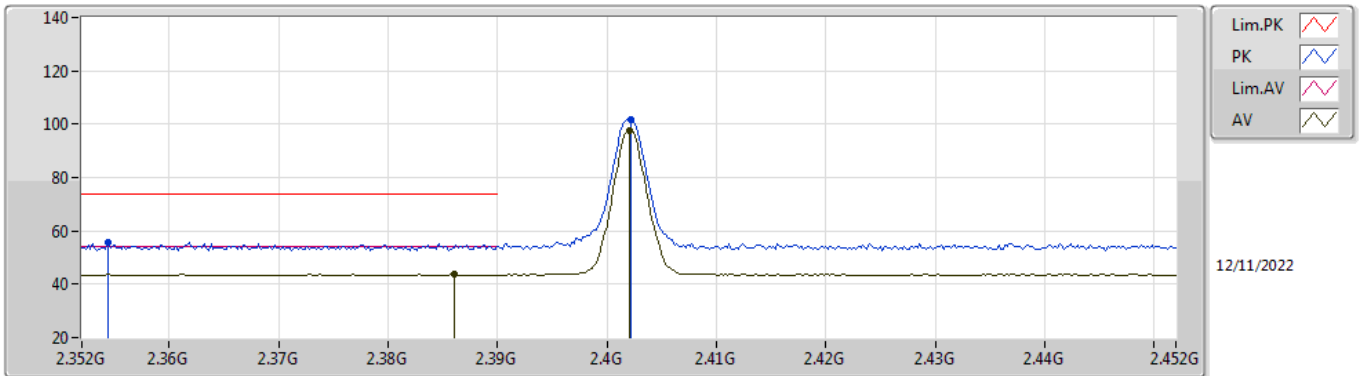


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3668G	55.02	74.00	-18.98	23.51	3	Vertical	191	1.10	-	28.33	3.18	-	
AV	2.38G	43.74	54.00	-10.26	12.19	3	Vertical	191	1.10	-	28.36	3.19	-	
PK	2.4018G	98.52	Inf	-Inf	66.92	3	Vertical	191	1.10	-	28.40	3.20	-	
AV	2.402G	94.41	Inf	-Inf	62.81	3	Vertical	191	1.10	-	28.40	3.20	-	

BT-EDR(3Mbps)

2402MHz_TX

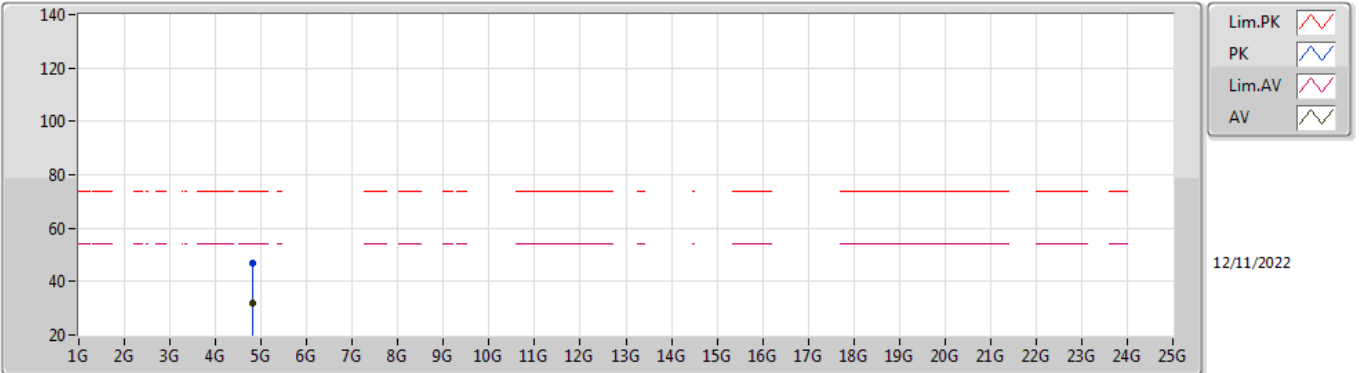


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.3544G	55.86	74.00	-18.14	24.37	3	Horizontal	211	2.23	-	28.31	3.18	-	
AV	2.386G	43.61	54.00	-10.39	12.05	3	Horizontal	211	2.23	-	28.37	3.19	-	
PK	2.4022G	101.78	Inf	-Inf	70.18	3	Horizontal	211	2.23	-	28.40	3.20	-	
AV	2.402G	97.63	Inf	-Inf	66.03	3	Horizontal	211	2.23	-	28.40	3.20	-	

BT-EDR(3Mbps)

2402MHz_TX

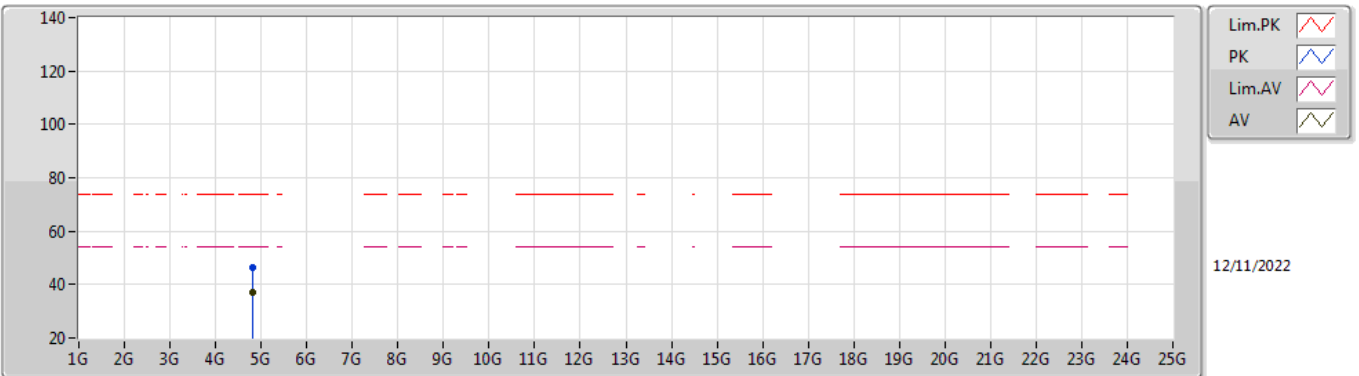


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80548G	46.79	74.00	-27.21	39.17	3	Vertical	176	2.65	-	32.83	5.60	30.81	
AV	4.80386G	31.94	54.00	-22.06	24.33	3	Vertical	176	2.65	-	32.82	5.60	30.81	

BT-EDR(3Mbps)

2402MHz_TX

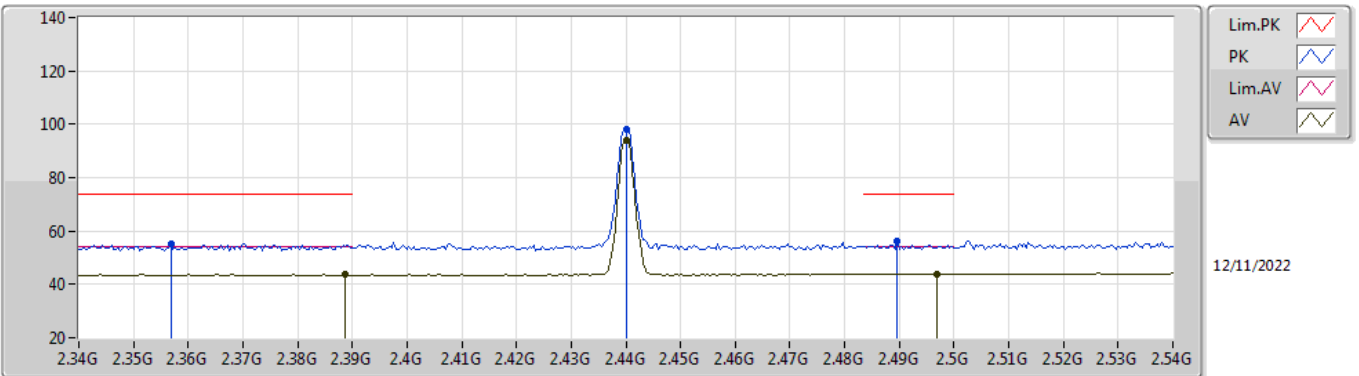


EUT Y_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80136G	46.13	74.00	-27.87	38.53	3	Horizontal	106	1.78	-	32.81	5.60	30.81
AV	4.80176G	36.90	54.00	-17.10	29.30	3	Horizontal	106	1.78	-	32.81	5.60	30.81

BT-EDR(3Mbps)

2440MHz_TX

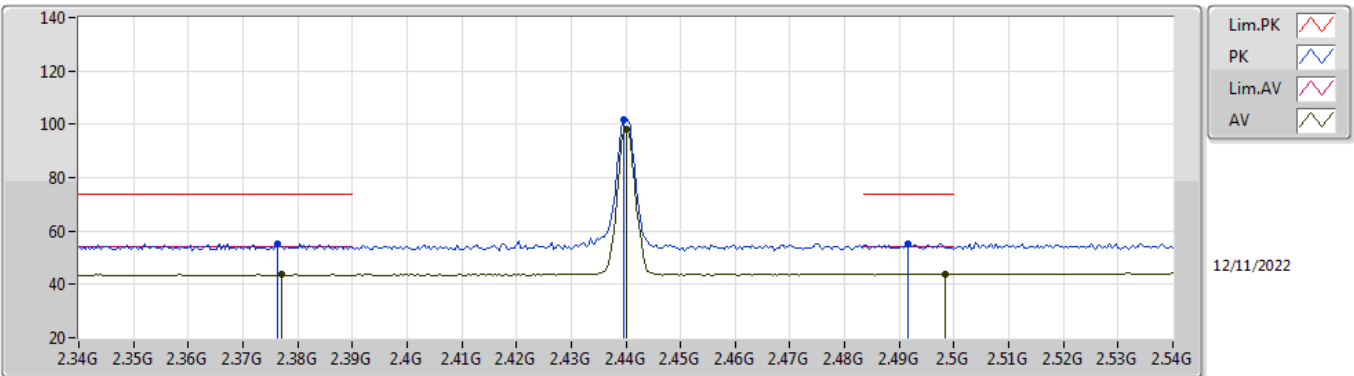


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3568G	55.34	74.00	-18.66	23.85	3	Vertical	191	1.86	-	28.31	3.18	-
AV	2.3888G	43.67	54.00	-10.33	12.10	3	Vertical	191	1.86	-	28.38	3.19	-
PK	2.44G	98.35	Inf	-Inf	66.73	3	Vertical	191	1.86	-	28.40	3.22	-
AV	2.44G	94.22	Inf	-Inf	62.60	3	Vertical	191	1.86	-	28.40	3.22	-
PK	2.4896G	55.95	74.00	-18.05	24.15	3	Vertical	191	1.86	-	28.56	3.24	-
AV	2.4968G	43.88	54.00	-10.12	12.04	3	Vertical	191	1.86	-	28.59	3.25	-

BT-EDR(3Mbps)

2440MHz_TX

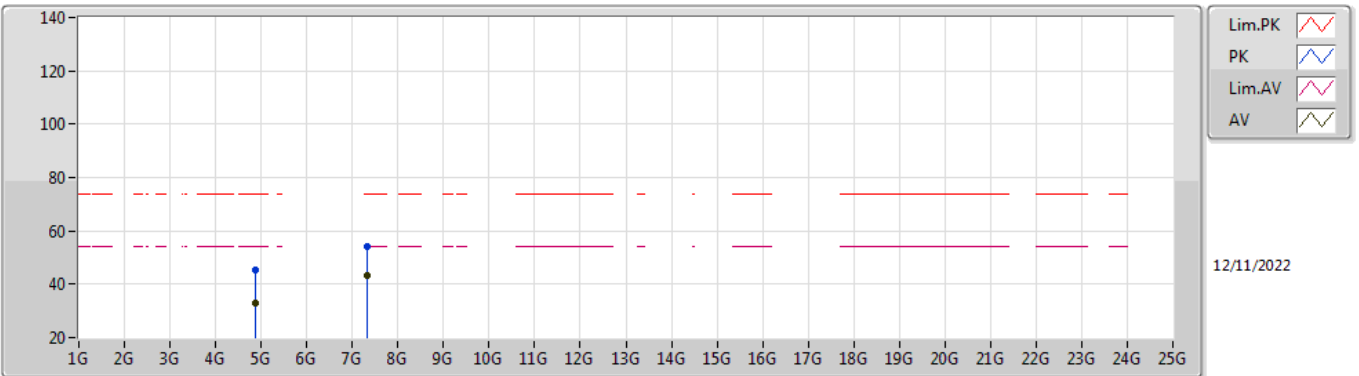


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3764G	55.42	74.00	-18.58	23.88	3	Horizontal	211	2.15	-	28.35	3.19	-
AV	2.3772G	43.63	54.00	-10.37	12.09	3	Horizontal	211	2.15	-	28.35	3.19	-
PK	2.4396G	101.97	Inf	-Inf	70.35	3	Horizontal	211	2.15	-	28.40	3.22	-
AV	2.44G	97.90	Inf	-Inf	66.28	3	Horizontal	211	2.15	-	28.40	3.22	-
PK	2.4916G	55.24	74.00	-18.76	23.42	3	Horizontal	211	2.15	-	28.57	3.25	-
AV	2.4984G	43.97	54.00	-10.03	12.13	3	Horizontal	211	2.15	-	28.59	3.25	-

BT-EDR(3Mbps)

2440MHz_TX

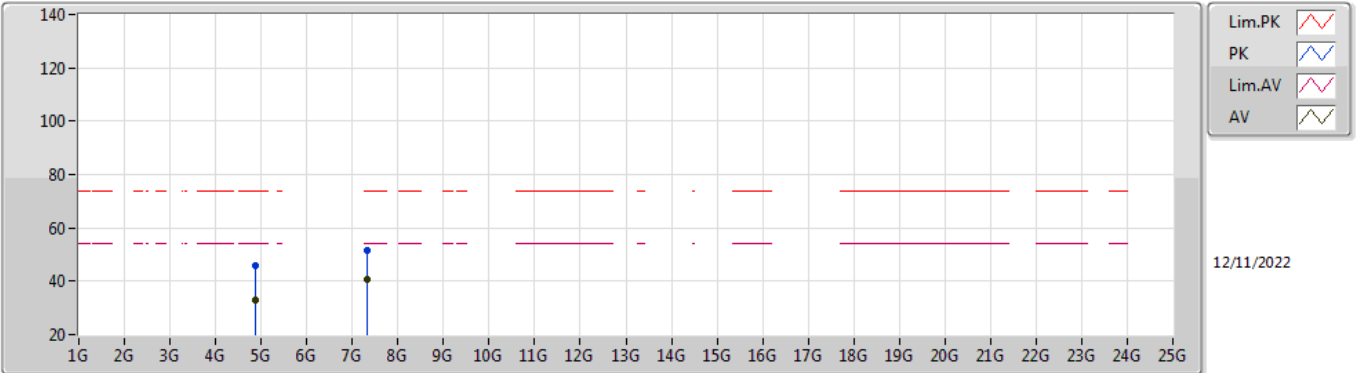


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88292G	45.48	74.00	-28.52	37.45	3	Vertical	11	1.27	-	33.17	5.64	30.78	
AV	4.88036G	32.83	54.00	-21.17	24.81	3	Vertical	11	1.27	-	33.16	5.64	30.78	
PK	7.31992G	54.23	74.00	-19.77	42.88	3	Vertical	228	1.39	-	36.44	6.84	31.93	
AV	7.31996G	43.52	54.00	-10.48	32.17	3	Vertical	228	1.39	-	36.44	6.84	31.93	

BT-EDR(3Mbps)

2440MHz_TX

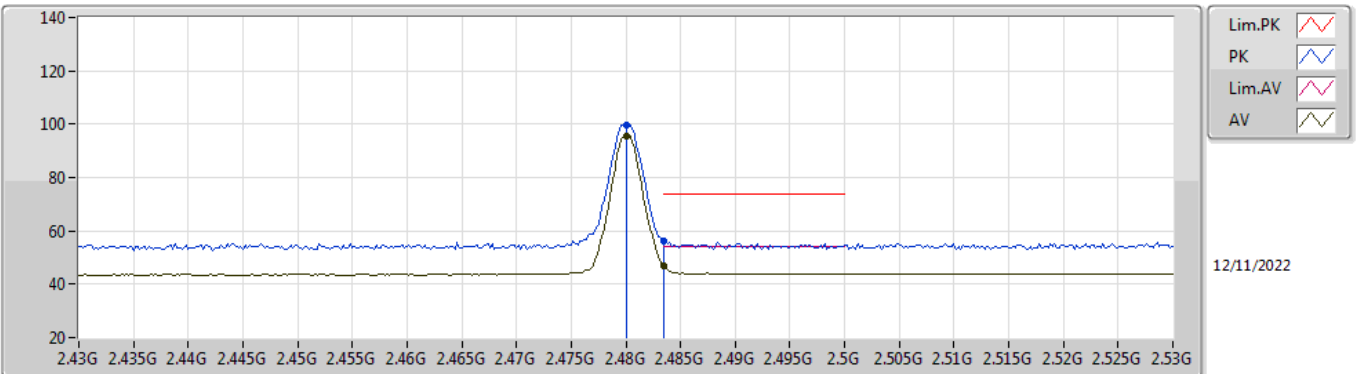


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87646G	45.83	74.00	-28.17	37.82	3	Horizontal	271	1.35	-	33.15	5.64	30.78	
AV	4.8799G	32.68	54.00	-21.32	24.66	3	Horizontal	271	1.35	-	33.16	5.64	30.78	
PK	7.31916G	51.58	74.00	-22.42	40.23	3	Horizontal	257	2.37	-	36.44	6.84	31.93	
AV	7.32G	40.61	54.00	-13.39	29.26	3	Horizontal	257	2.37	-	36.44	6.84	31.93	

BT-EDR(3Mbps)

2480MHz_TX

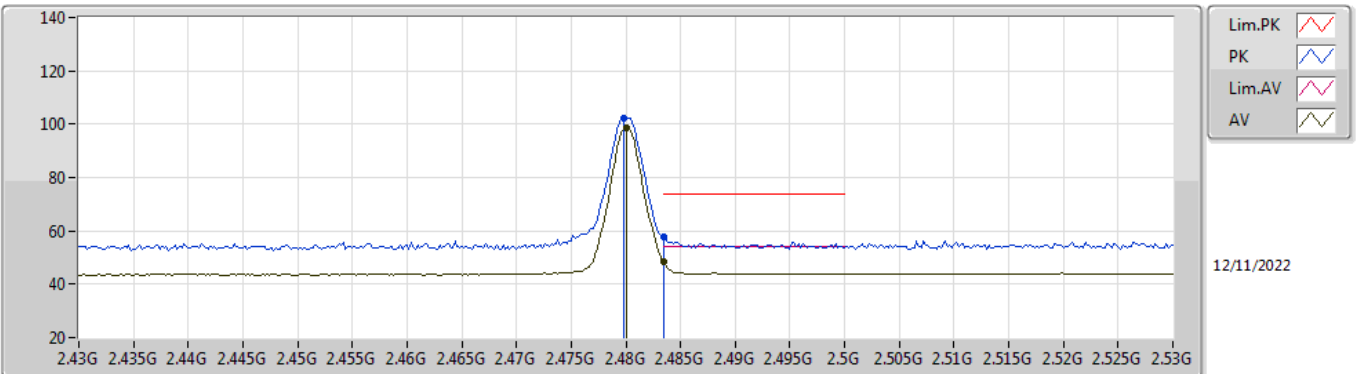


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.48G	99.80	Inf	-Inf	68.04	3	Vertical	189	1.42	-	28.52	3.24	-	
AV	2.48G	95.74	Inf	-Inf	63.98	3	Vertical	189	1.42	-	28.52	3.24	-	
PK	2.4835G	56.31	74.00	-17.69	24.54	3	Vertical	189	1.42	-	28.53	3.24	-	
AV	2.4835G	46.88	54.00	-7.12	15.11	3	Vertical	189	1.42	-	28.53	3.24	-	

BT-EDR(3Mbps)

2480MHz_TX

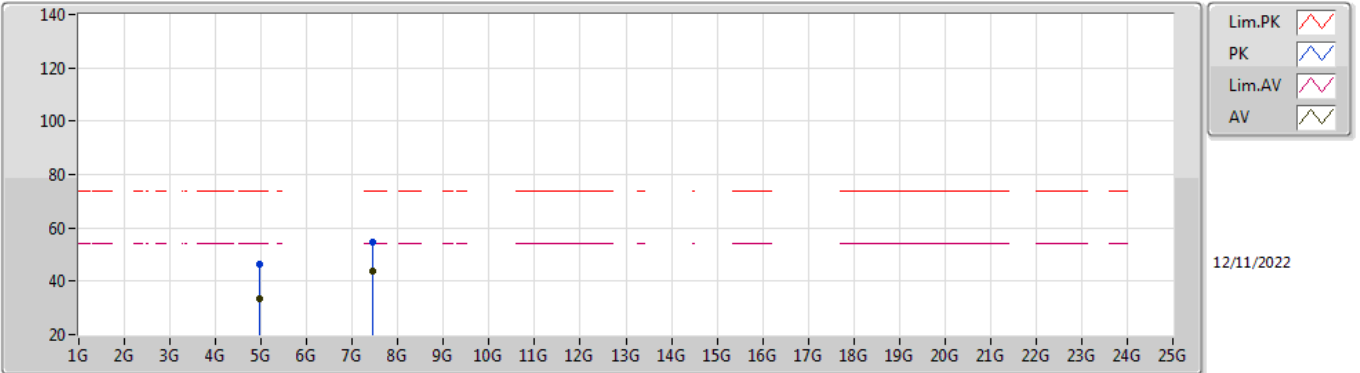


EUT V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	102.50	Inf	-Inf	70.74	3	Horizontal	210	2.06	-	28.52	3.24	-	
AV	2.48G	98.44	Inf	-Inf	66.68	3	Horizontal	210	2.06	-	28.52	3.24	-	
PK	2.4835G	57.82	74.00	-16.18	26.05	3	Horizontal	210	2.06	-	28.53	3.24	-	
AV	2.4835G	48.50	54.00	-5.50	16.73	3	Horizontal	210	2.06	-	28.53	3.24	-	

BT-EDR(3Mbps)

2480MHz_TX

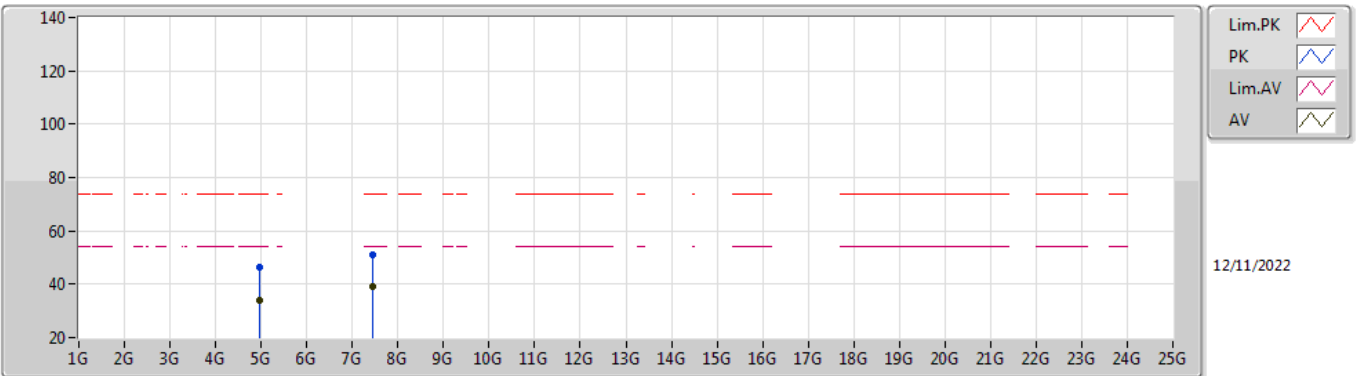


EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.95981G	46.23	74.00	-27.77	37.98	3	Vertical	176	1.07	-	33.32	5.68	30.75	
AV	4.96004G	33.43	54.00	-20.57	25.18	3	Vertical	176	1.07	-	33.32	5.68	30.75	
PK	7.44003G	54.45	74.00	-19.55	43.11	3	Vertical	203	1.71	-	36.50	6.84	32.00	
AV	7.44007G	43.80	54.00	-10.20	32.46	3	Vertical	203	1.71	-	36.50	6.84	32.00	

BT-EDR(3Mbps)

2480MHz_TX



EUT_V_1TX
Setting 4
02-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.95962G	46.57	74.00	-27.43	38.32	3	Horizontal	174	1.78	-	33.32	5.68	30.75	
AV	4.96007G	34.06	54.00	-19.94	25.81	3	Horizontal	174	1.78	-	33.32	5.68	30.75	
PK	7.44048G	51.16	74.00	-22.84	39.82	3	Horizontal	236	1.69	-	36.50	6.84	32.00	
AV	7.44009G	38.91	54.00	-15.09	27.57	3	Horizontal	236	1.69	-	36.50	6.84	32.00	

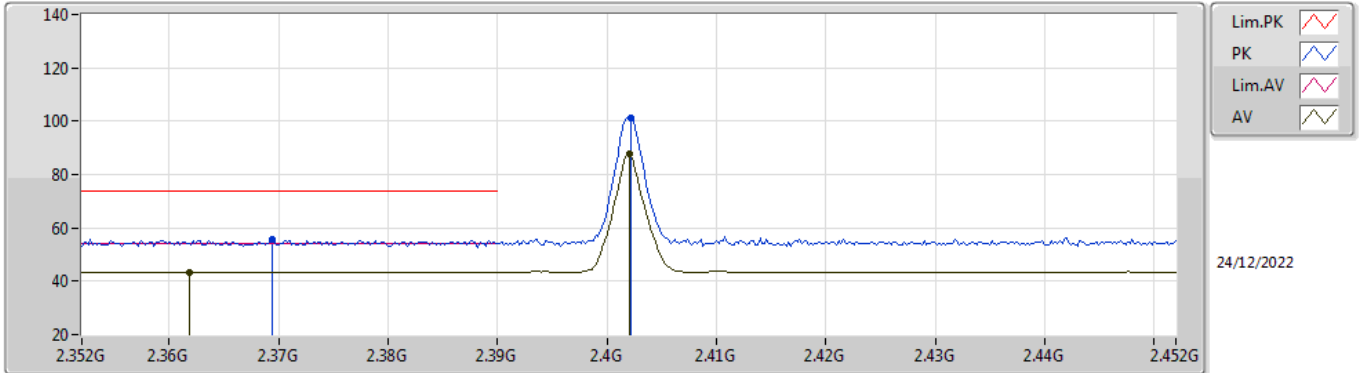


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.4835G	48.39	54.00	-5.61	3	Horizontal	360	2.67	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	49.35	54.00	-4.65	3	Horizontal	360	2.66	-

BT-BR(1Mbps)

2402MHz_TX

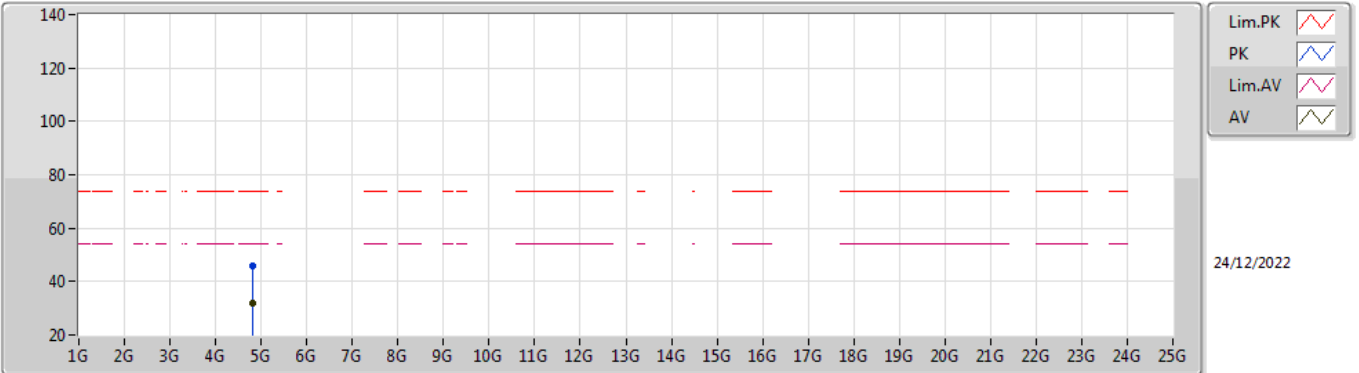


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3694G	55.62	74.00	-18.38	24.31	3	Horizontal	345	2.31	-	27.74	3.57	-	
AV	2.3618G	43.38	54.00	-10.62	12.10	3	Horizontal	345	2.31	-	27.72	3.56	-	
PK	2.4022G	101.13	Inf	-Inf	69.73	3	Horizontal	345	2.31	-	27.80	3.60	-	
AV	2.402G	87.67	Inf	-Inf	56.27	3	Horizontal	345	2.31	-	27.80	3.60	-	

BT-BR(1Mbps)

2402MHz_TX

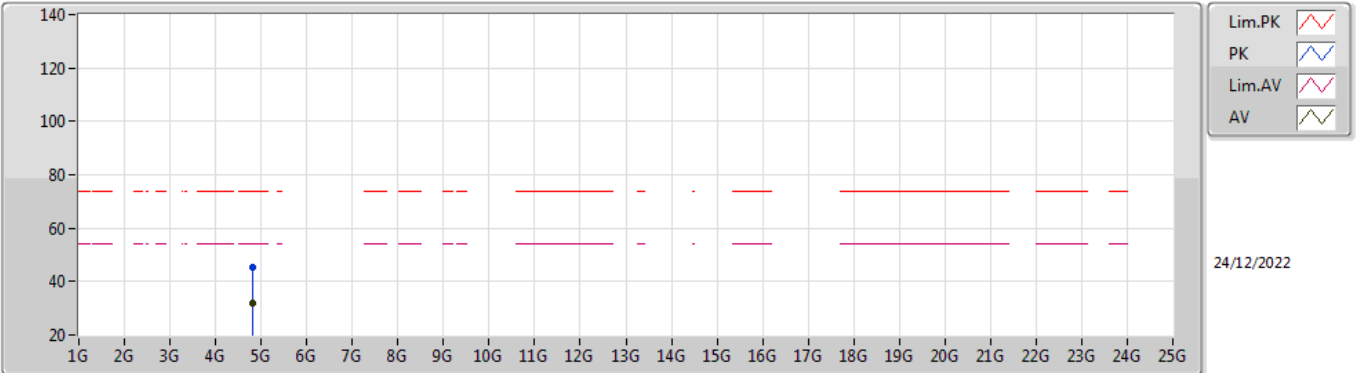


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80314G	45.78	74.00	-28.22	40.25	3	Vertical	46	2.53	-	32.72	5.70	32.89
AV	4.80636G	31.73	54.00	-22.27	26.17	3	Vertical	46	2.53	-	32.74	5.71	32.89

BT-BR(1Mbps)

2402MHz_TX

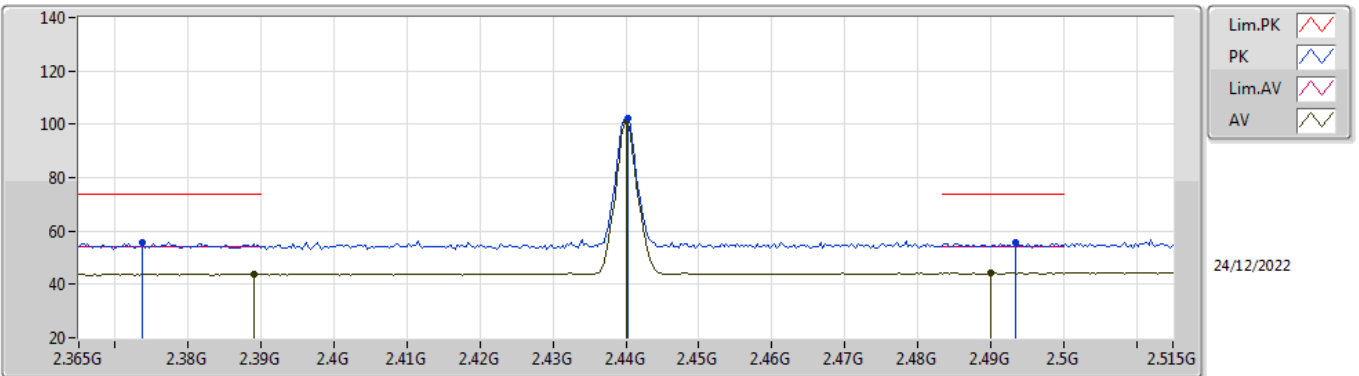


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80445G	45.52	74.00	-28.48	39.98	3	Horizontal	329	1.02	-	32.73	5.70	32.89	
AV	4.80393G	32.01	54.00	-21.99	26.48	3	Horizontal	329	1.02	-	32.72	5.70	32.89	

BT-BR(1Mbps)

2440MHz_TX

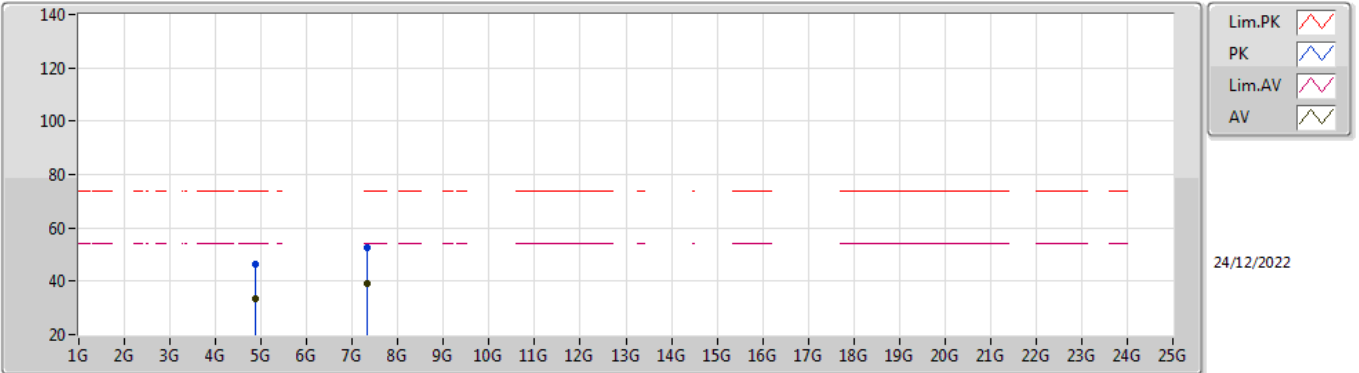


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3737G	55.62	74.00	-18.38	24.30	3	Horizontal	7	2.26	-	27.75	3.57	-
AV	2.389G	43.84	54.00	-10.16	12.47	3	Horizontal	7	2.26	-	27.78	3.59	-
PK	2.4403G	102.00	Inf	-Inf	70.50	3	Horizontal	7	2.26	-	27.88	3.62	-
AV	2.44G	101.09	Inf	-Inf	69.59	3	Horizontal	7	2.26	-	27.88	3.62	-
PK	2.4934G	55.56	74.00	-18.44	23.75	3	Horizontal	7	2.26	-	28.16	3.65	-
AV	2.4901G	44.33	54.00	-9.67	12.54	3	Horizontal	7	2.26	-	28.14	3.65	-

BT-BR(1Mbps)

2440MHz_TX

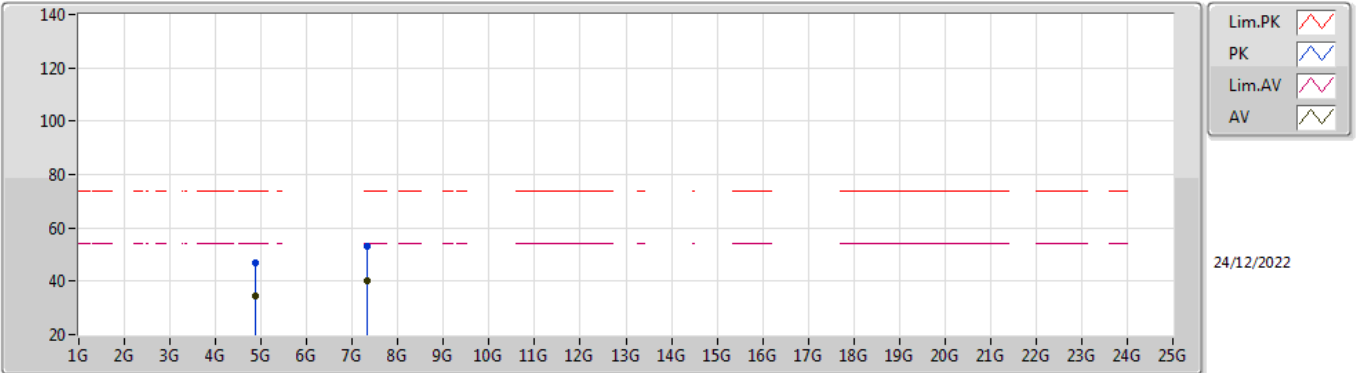


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8819G	46.55	74.00	-27.45	40.64	3	Vertical	149	2.37	-	33.00	5.78	32.87
AV	4.87839G	33.47	54.00	-20.53	27.56	3	Vertical	149	2.37	-	33.00	5.78	32.87
PK	7.31877G	52.60	74.00	-21.40	41.03	3	Vertical	56	1.88	-	37.60	7.16	33.19
AV	7.31783G	39.21	54.00	-14.79	27.64	3	Vertical	56	1.88	-	37.60	7.16	33.19

BT-BR(1Mbps)

2440MHz_TX

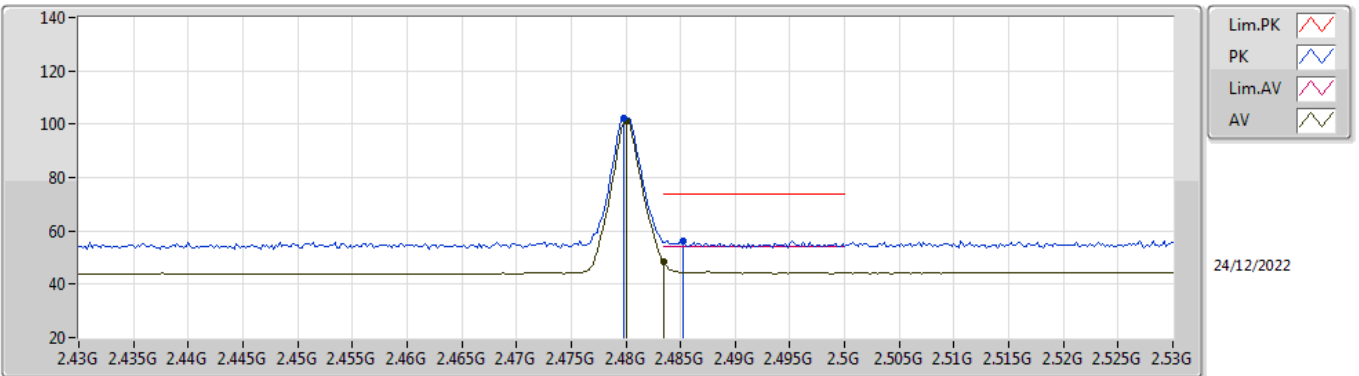


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88157G	46.96	74.00	-27.04	41.05	3	Horizontal	144	1.62	-	33.00	5.78	32.87
AV	4.88012G	34.28	54.00	-19.72	28.37	3	Horizontal	144	1.62	-	33.00	5.78	32.87
PK	7.32039G	52.99	74.00	-21.01	41.42	3	Horizontal	360	1.80	-	37.60	7.16	33.19
AV	7.31957G	40.16	54.00	-13.84	28.59	3	Horizontal	360	1.80	-	37.60	7.16	33.19

BT-BR(1Mbps)

2480MHz_TX

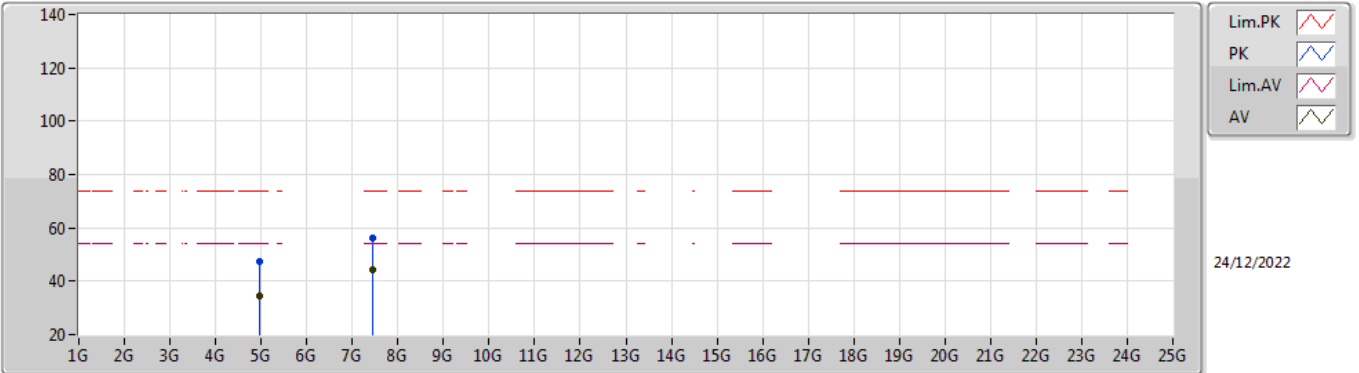


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	102.32	Inf	-Inf	70.60	3	Horizontal	360	2.67	-	28.08	3.64	-	
AV	2.48G	101.45	Inf	-Inf	69.73	3	Horizontal	360	2.67	-	28.08	3.64	-	
PK	2.4852G	56.37	74.00	-17.63	24.62	3	Horizontal	360	2.67	-	28.11	3.64	-	
AV	2.4835G	48.39	54.00	-5.61	16.65	3	Horizontal	360	2.67	-	28.10	3.64	-	

BT-BR(1Mbps)

2480MHz_TX

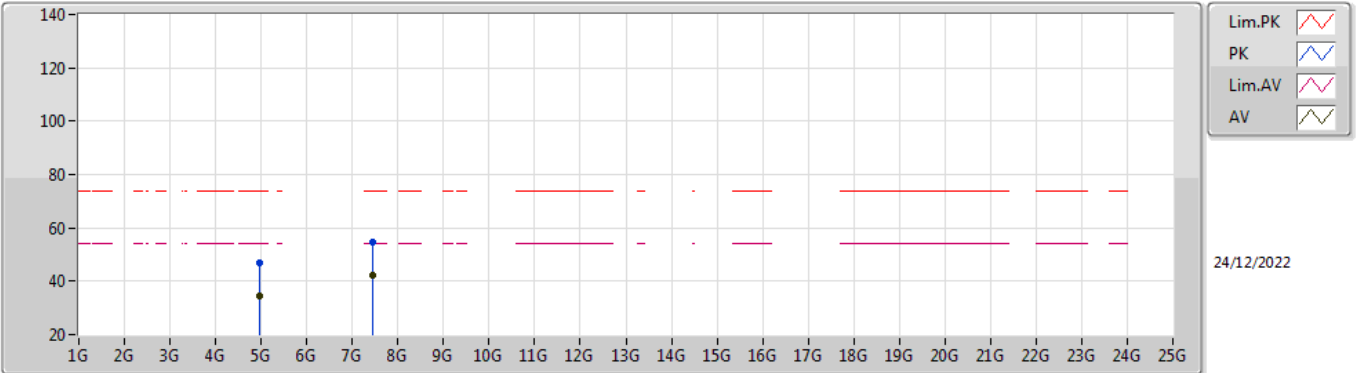


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96011G	47.38	74.00	-26.62	41.36	3	Vertical	117	1.82	-	33.02	5.86	32.86
AV	4.95982G	34.40	54.00	-19.60	28.38	3	Vertical	117	1.82	-	33.02	5.86	32.86
PK	7.43951G	56.01	74.00	-17.99	44.54	3	Vertical	82	3.00	-	37.50	7.22	33.25
AV	7.44008G	44.37	54.00	-9.63	32.90	3	Vertical	82	3.00	-	37.50	7.22	33.25

BT-BR(1Mbps)

2480MHz_TX

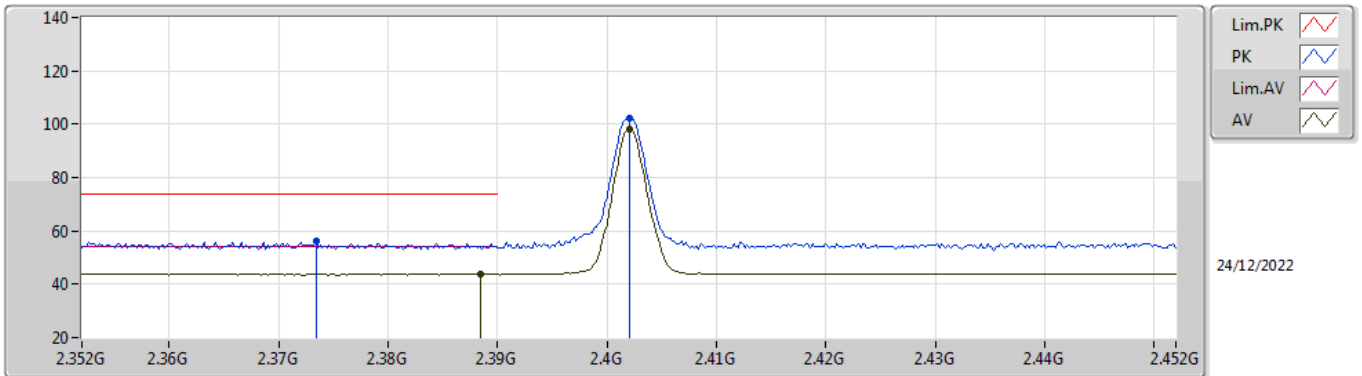


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.9599G	46.90	74.00	-27.10	40.88	3	Horizontal	75	2.76	-	33.02	5.86	32.86	
AV	4.96001G	34.59	54.00	-19.41	28.57	3	Horizontal	75	2.76	-	33.02	5.86	32.86	
PK	7.44033G	54.85	74.00	-19.15	43.38	3	Horizontal	7	2.74	-	37.50	7.22	33.25	
AV	7.44G	42.21	54.00	-11.79	30.74	3	Horizontal	7	2.74	-	37.50	7.22	33.25	

BT-EDR(3Mbps)

2402MHz_TX

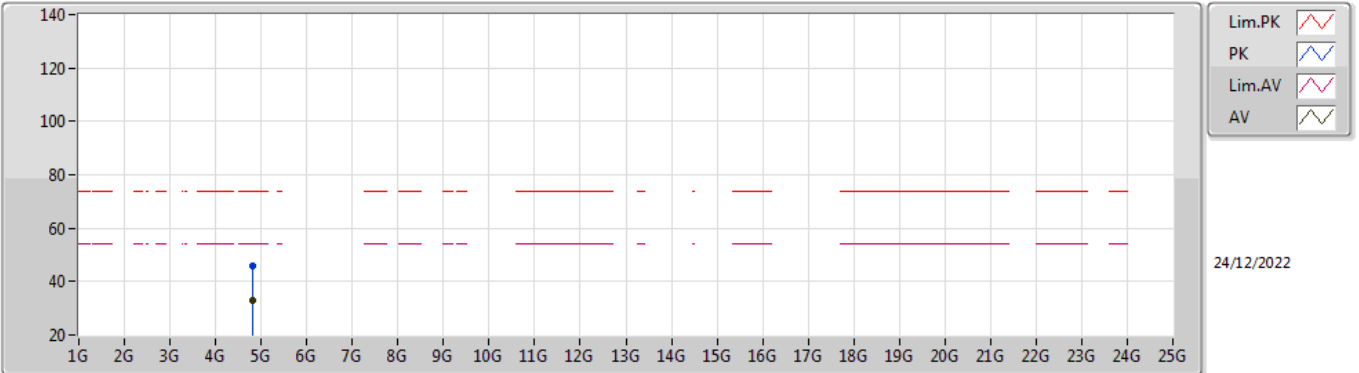


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3734G	56.35	74.00	-17.65	25.03	3	Horizontal	7	2.32	-	27.75	3.57	-	
AV	2.3884G	43.96	54.00	-10.04	12.59	3	Horizontal	7	2.32	-	27.78	3.59	-	
PK	2.402G	102.04	Inf	-Inf	70.64	3	Horizontal	7	2.32	-	27.80	3.60	-	
AV	2.402G	97.90	Inf	-Inf	66.50	3	Horizontal	7	2.32	-	27.80	3.60	-	

BT-EDR(3Mbps)

2402MHz_TX

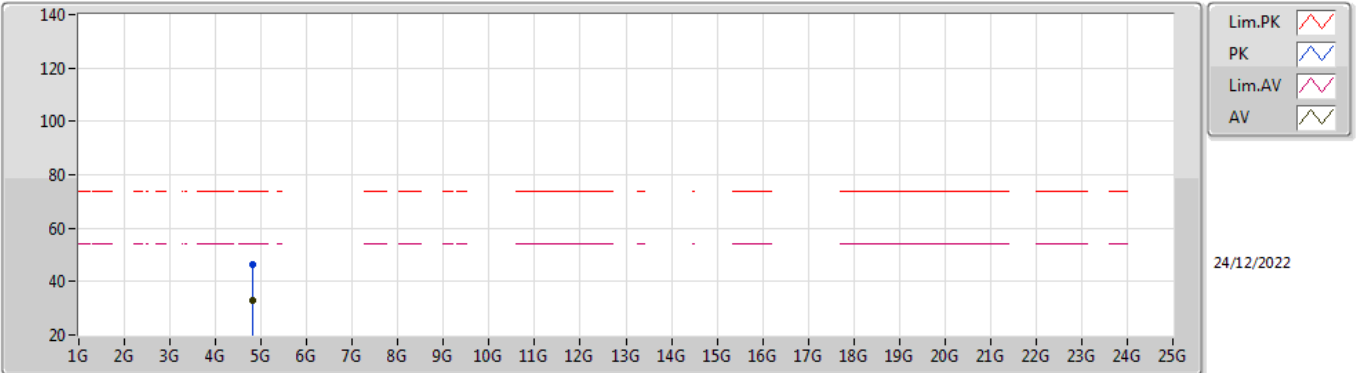


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.803G	46.02	74.00	-27.98	40.49	3	Vertical	61	2.94	-	32.72	5.70	32.89	
AV	4.81324G	32.88	54.00	-21.12	27.28	3	Vertical	61	2.94	-	32.78	5.71	32.89	

BT-EDR(3Mbps)

2402MHz_TX

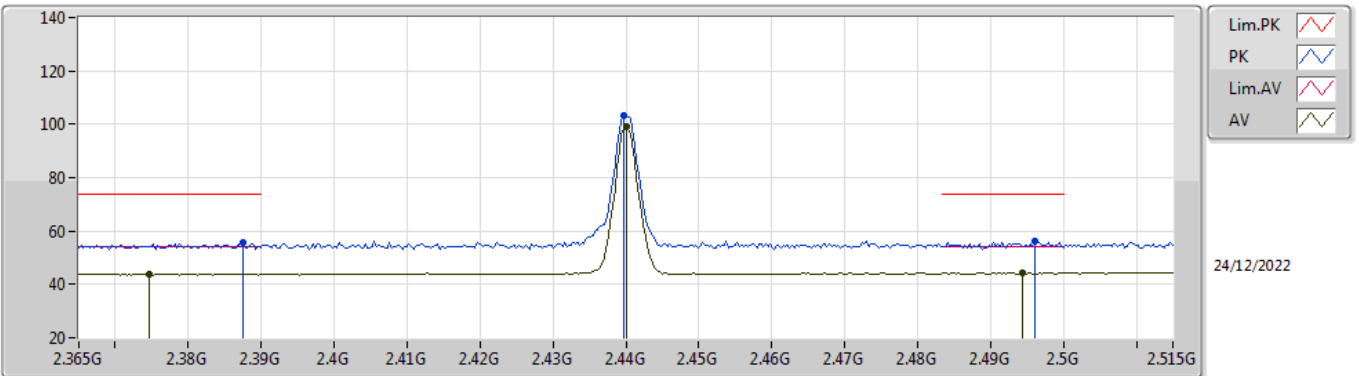


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80016G	46.31	74.00	-27.69	40.80	3	Horizontal	235	2.90	-	32.70	5.70	32.89	
AV	4.81024G	33.15	54.00	-20.85	27.57	3	Horizontal	235	2.90	-	32.76	5.71	32.89	

BT-EDR(3Mbps)

2440MHz_TX

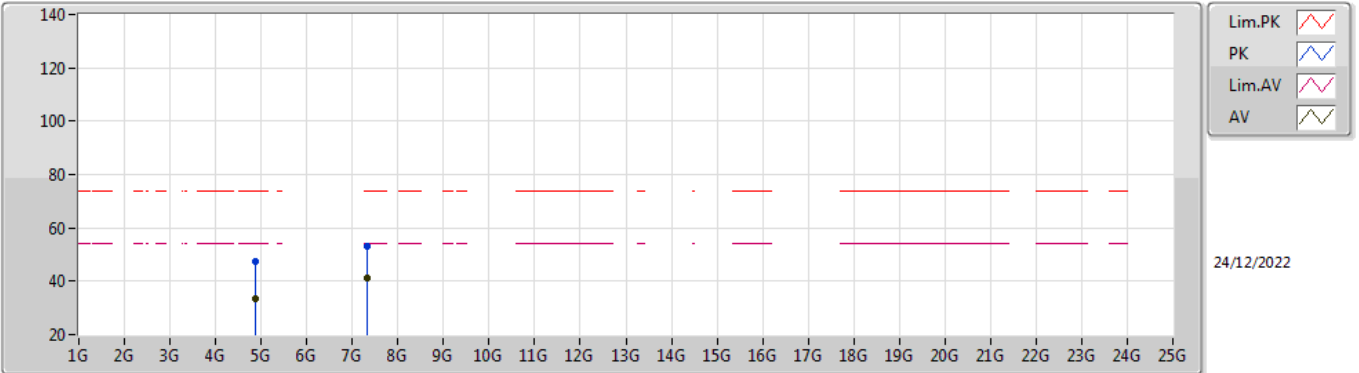


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3875G	55.53	74.00	-18.47	24.17	3	Horizontal	7	2.26	-	27.77	3.59	-
AV	2.3746G	43.97	54.00	-10.03	12.65	3	Horizontal	7	2.26	-	27.75	3.57	-
PK	2.4397G	103.02	Inf	-Inf	71.52	3	Horizontal	7	2.26	-	27.88	3.62	-
AV	2.44G	98.88	Inf	-Inf	67.38	3	Horizontal	7	2.26	-	27.88	3.62	-
PK	2.4961G	56.13	74.00	-17.87	24.30	3	Horizontal	7	2.26	-	28.18	3.65	-
AV	2.4943G	44.27	54.00	-9.73	12.45	3	Horizontal	7	2.26	-	28.17	3.65	-

BT-EDR(3Mbps)

2440MHz_TX

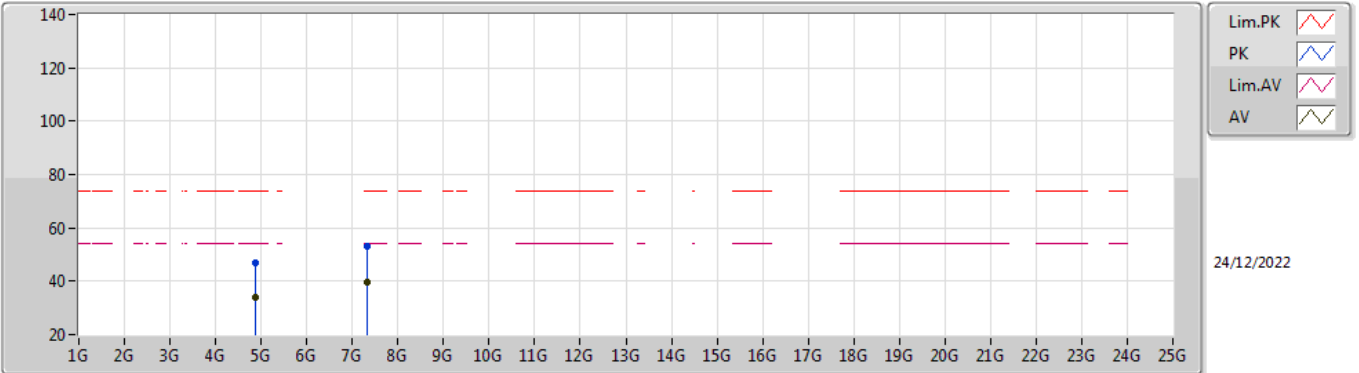


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87048G	47.36	74.00	-26.64	41.47	3	Vertical	85	2.71	-	33.00	5.77	32.88	
AV	4.88144G	33.69	54.00	-20.31	27.78	3	Vertical	85	2.71	-	33.00	5.78	32.87	
PK	7.32548G	53.29	74.00	-20.71	41.72	3	Vertical	40	1.80	-	37.60	7.16	33.19	
AV	7.31996G	41.18	54.00	-12.82	29.61	3	Vertical	40	1.80	-	37.60	7.16	33.19	

BT-EDR(3Mbps)

2440MHz_TX

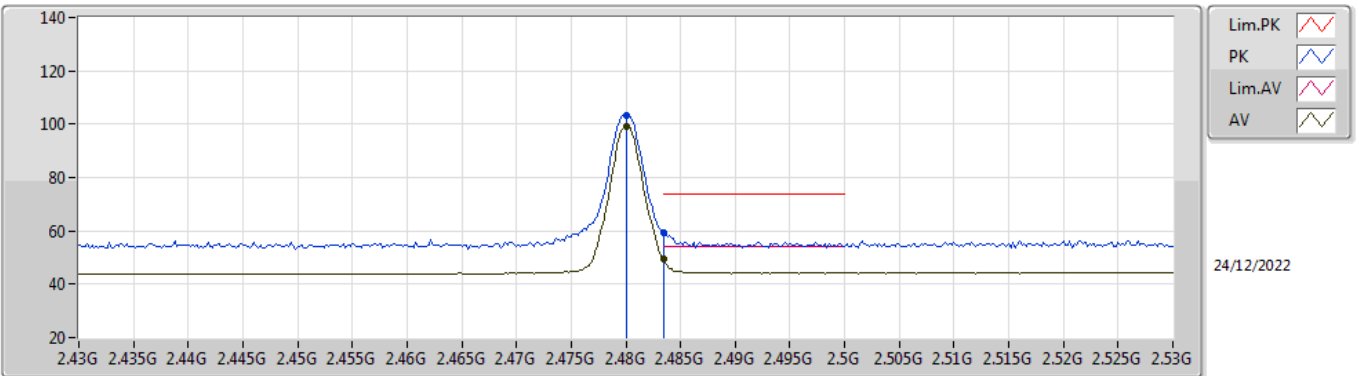


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88036G	47.06	74.00	-26.94	41.15	3	Horizontal	127	2.69	-	33.00	5.78	32.87
AV	4.8804G	33.97	54.00	-20.03	28.06	3	Horizontal	127	2.69	-	33.00	5.78	32.87
PK	7.3126G	53.07	74.00	-20.93	41.49	3	Horizontal	80	1.80	-	37.60	7.16	33.18
AV	7.32436G	39.67	54.00	-14.33	28.10	3	Horizontal	80	1.80	-	37.60	7.16	33.19

BT-EDR(3Mbps)

2480MHz_TX

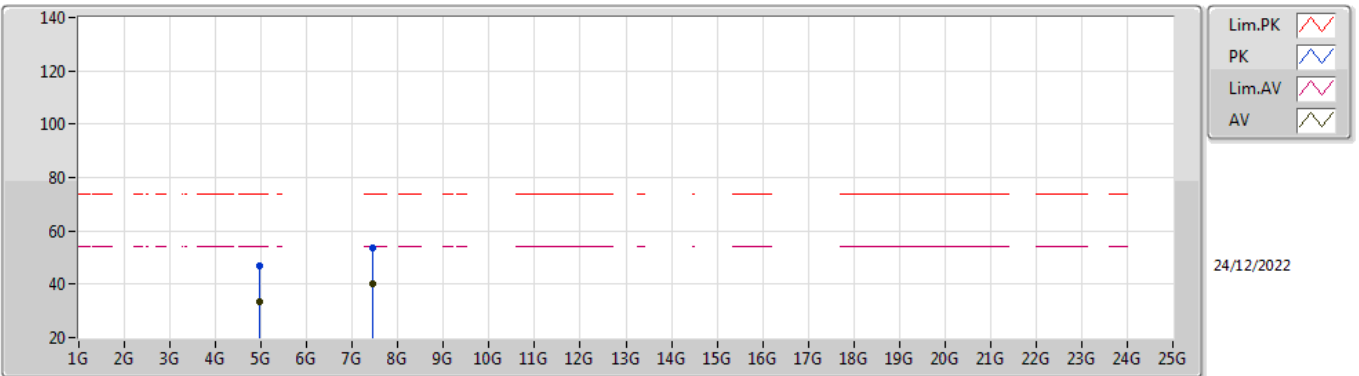


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.48G	103.37	Inf	-Inf	71.65	3	Horizontal	360	2.66	-	28.08	3.64	-	
AV	2.48G	99.13	Inf	-Inf	67.41	3	Horizontal	360	2.66	-	28.08	3.64	-	
PK	2.4835G	59.14	74.00	-14.86	27.40	3	Horizontal	360	2.66	-	28.10	3.64	-	
AV	2.4835G	49.35	54.00	-4.65	17.61	3	Horizontal	360	2.66	-	28.10	3.64	-	

BT-EDR(3Mbps)

2480MHz_TX

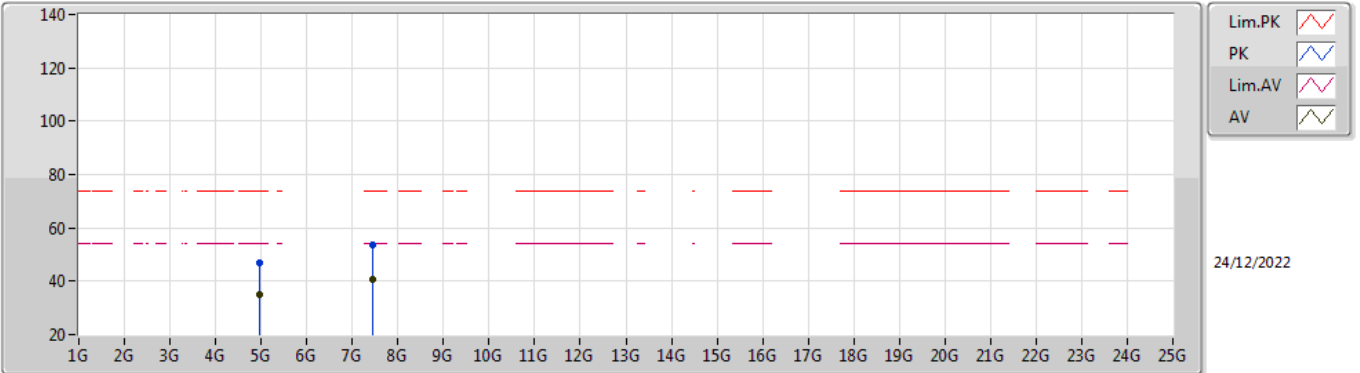


EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.95292G	46.91	74.00	-27.09	40.91	3	Vertical	297	1.58	-	33.01	5.85	32.86
AV	4.96104G	33.65	54.00	-20.35	27.63	3	Vertical	297	1.58	-	33.02	5.86	32.86
PK	7.44016G	53.64	74.00	-20.36	42.17	3	Vertical	258	1.59	-	37.50	7.22	33.25
AV	7.44012G	40.23	54.00	-13.77	28.76	3	Vertical	258	1.59	-	37.50	7.22	33.25

BT-EDR(3Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 4
01-C-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.9602G	46.93	74.00	-27.07	40.91	3	Horizontal	168	1.80	-	33.02	5.86	32.86	
AV	4.95996G	34.85	54.00	-19.15	28.83	3	Horizontal	168	1.80	-	33.02	5.86	32.86	
PK	7.43936G	53.41	74.00	-20.59	41.94	3	Horizontal	279	1.51	-	37.50	7.22	33.25	
AV	7.44036G	40.71	54.00	-13.29	29.24	3	Horizontal	279	1.51	-	37.50	7.22	33.25	