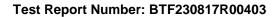




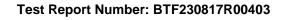
EUT Constructional Details (EUT Photos) 8

Please refer to the report No. BTF230817R00401





Appendix

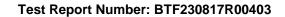




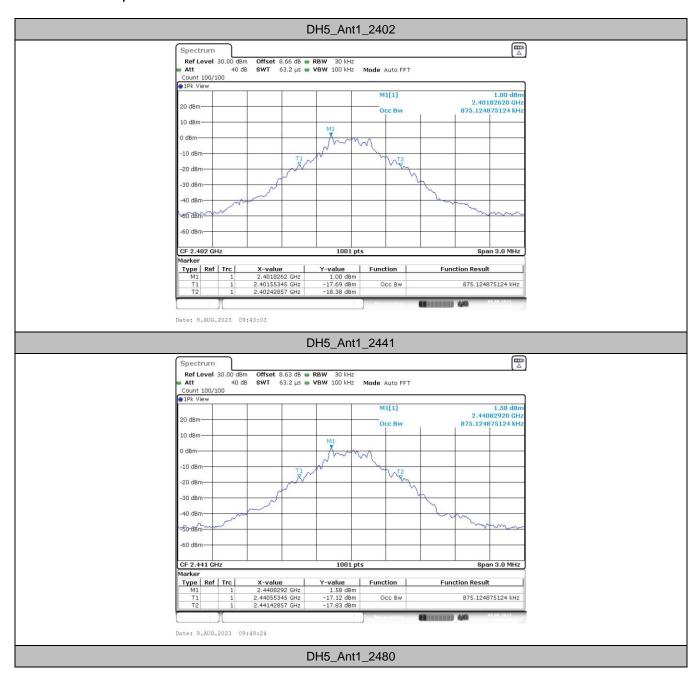
1. Bandwidth

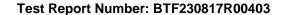
1.1 OBW

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		2402	0.875	2401.5534	2402.4286		
DH5	Ant1	2441	0.875	2440.5534	2441.4286		
		2480	0.869	2479.5534	2480.4226		
		2402	1.184	2401.4006	2402.5844		
2DH5	Ant1	2441	1.184	2440.4006	2441.5844		
		2480	1.181	2479.4006	2480.5814		
		2402	1.184	2401.4006	2402.5844		
3DH5	Ant1	2441	1.184	2440.4006	2441.5844		
		2480	1.181	2479.4006	2480.5814		

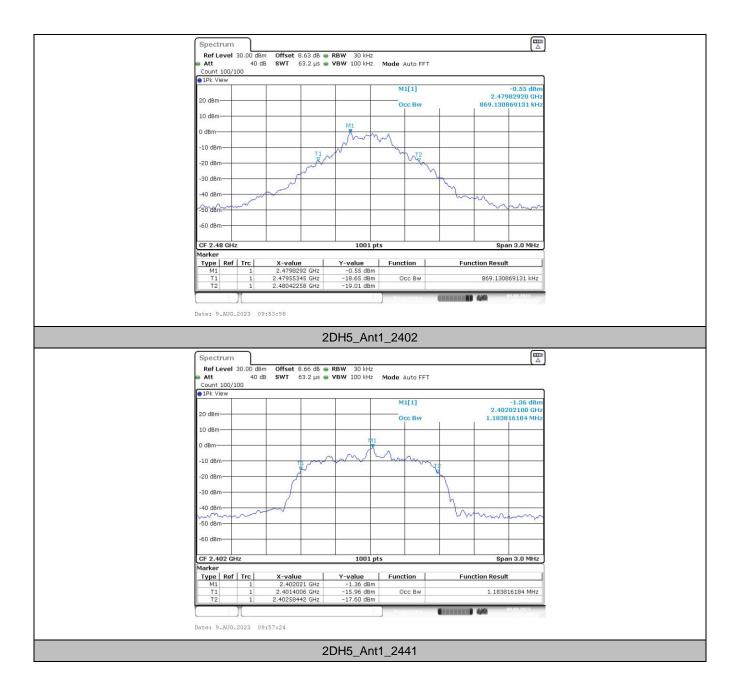


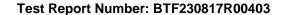




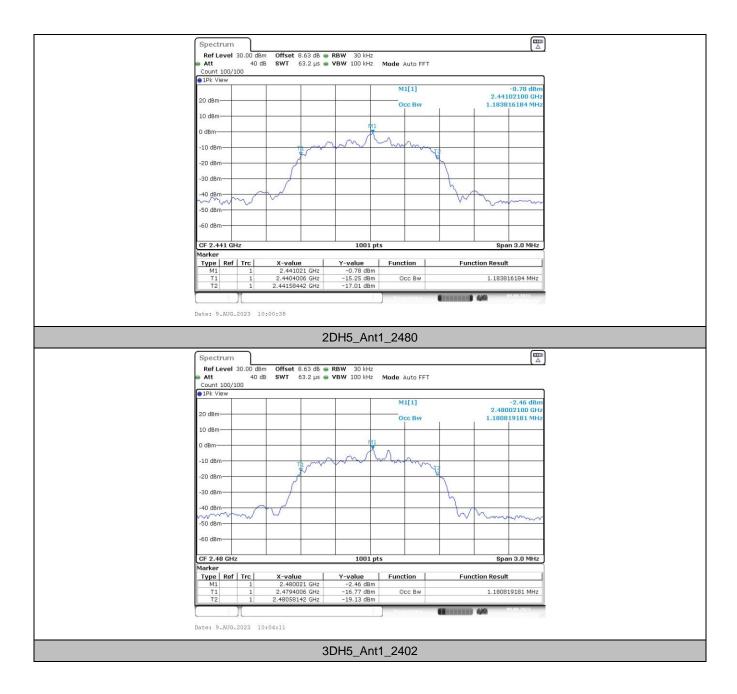


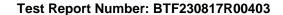




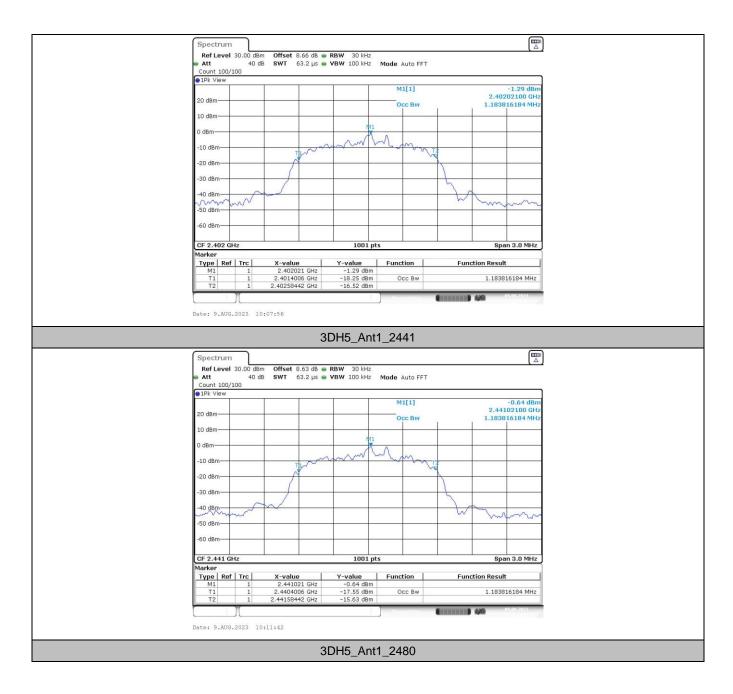


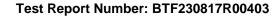




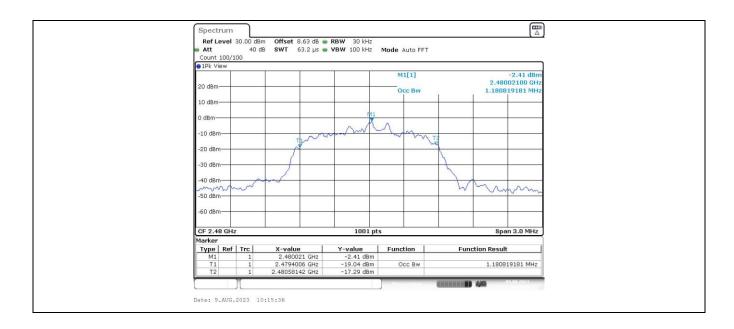


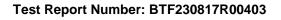








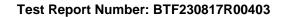




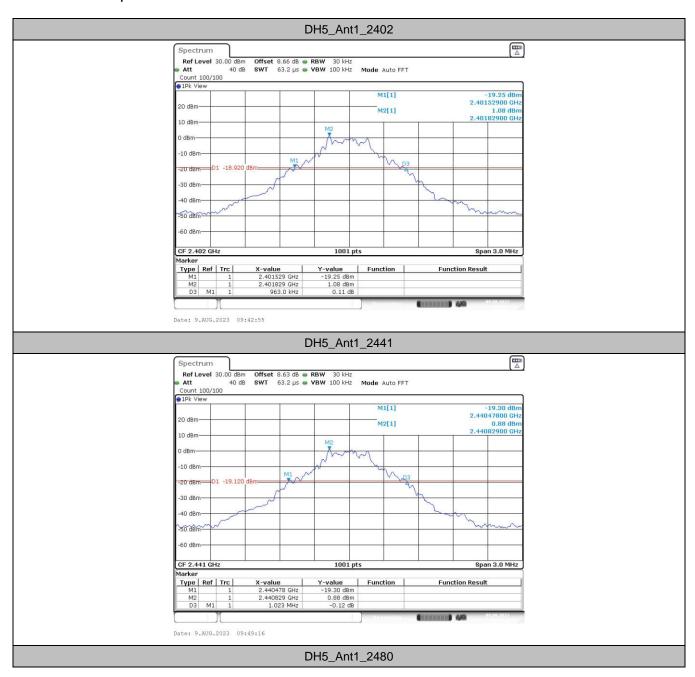


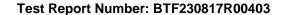
1.2 20dB BW

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		2402	0.96	2401.53	2402.49		
DH5	Ant1	2441	1.02	2440.48	2441.50		
		2480	0.96	2479.53	2480.49		
		2402	1.29	2401.36	2402.65		
2DH5	Ant1	2441	1.29	2440.36	2441.65		
	2480	1.29	2479.36	2480.65			
		2402	1.29	2401.35	2402.64		
3DH5	Ant1	2441	1.28	2440.35	2441.62		
		2480	1.29	2479.35	2480.64		

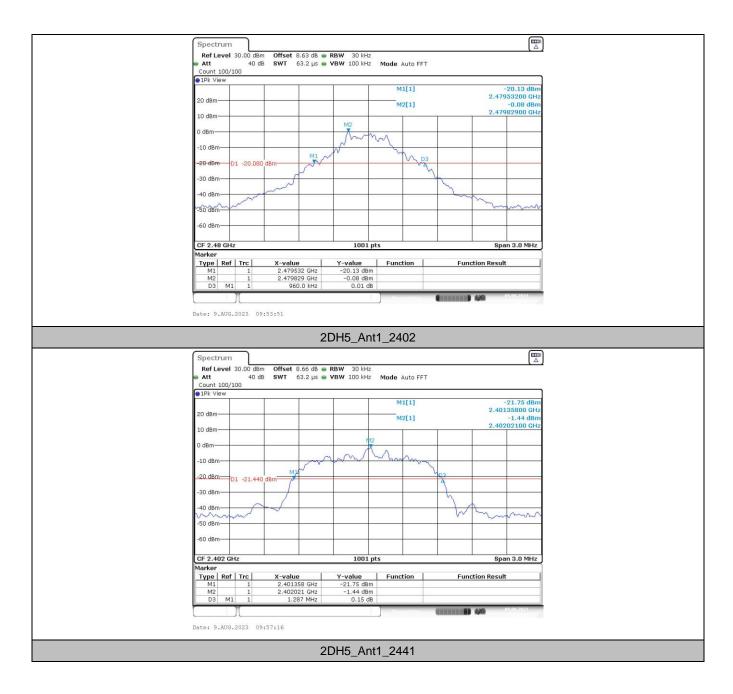


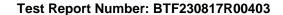




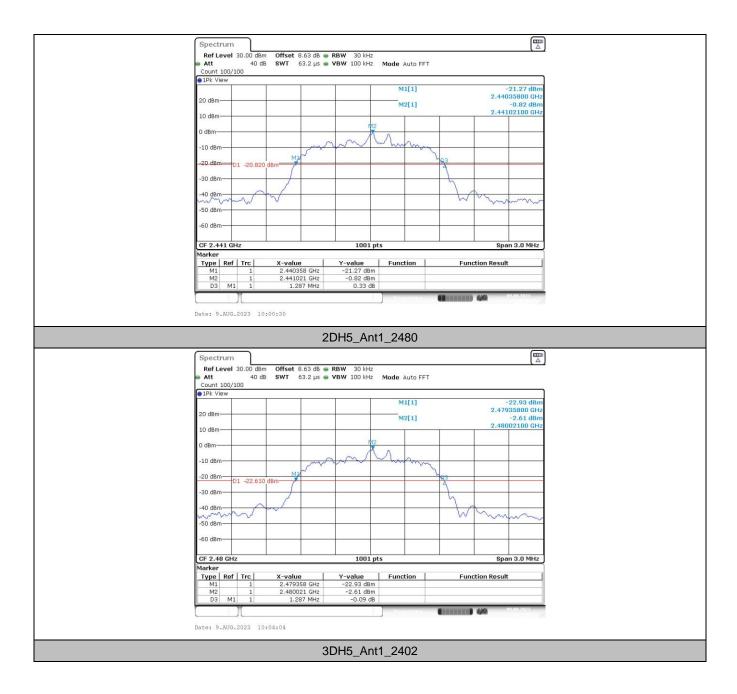


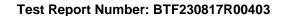




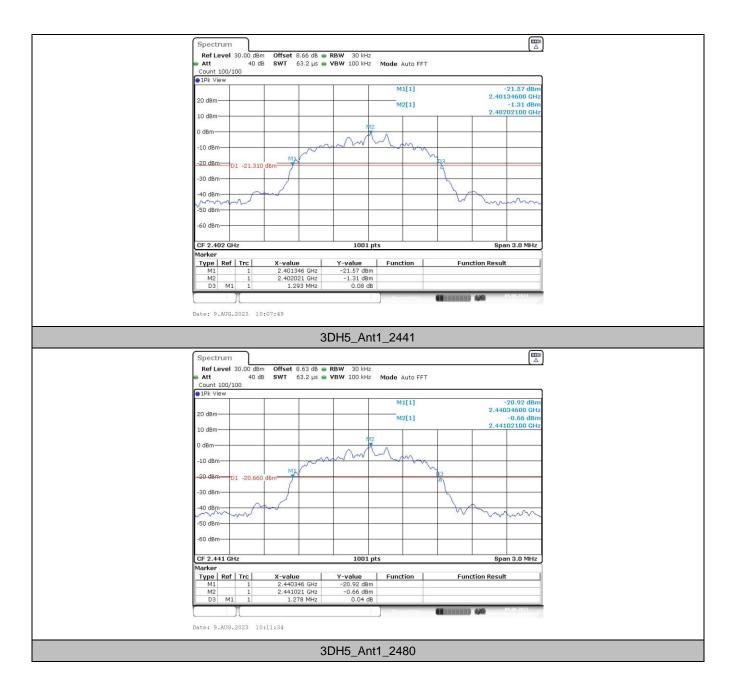


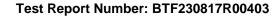




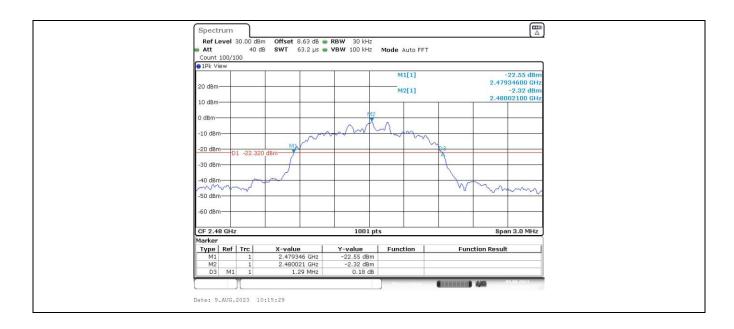


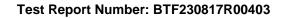










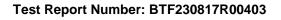




2. Maximum Conducted Output Power

2.1 Power

Test Mode	Antenna	Freq(MHz)	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict	
		2402	3.94	≤30	PASS	
DH5	Ant1	2441	3.49	≤30	PASS	
		2480	3.62	≤30	PASS	
	5 Ant1	2402	3.69	≤20.97	PASS	
2DH5		Ant1	2441	3.97	≤20.97	PASS
		2480	3.73	≤20.97	PASS	
		2402	3.66	≤20.97	PASS	
3DH5	Ant1	2441	3.39	≤20.97	PASS	
		2480	3.51	≤20.97	PASS	

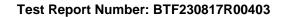




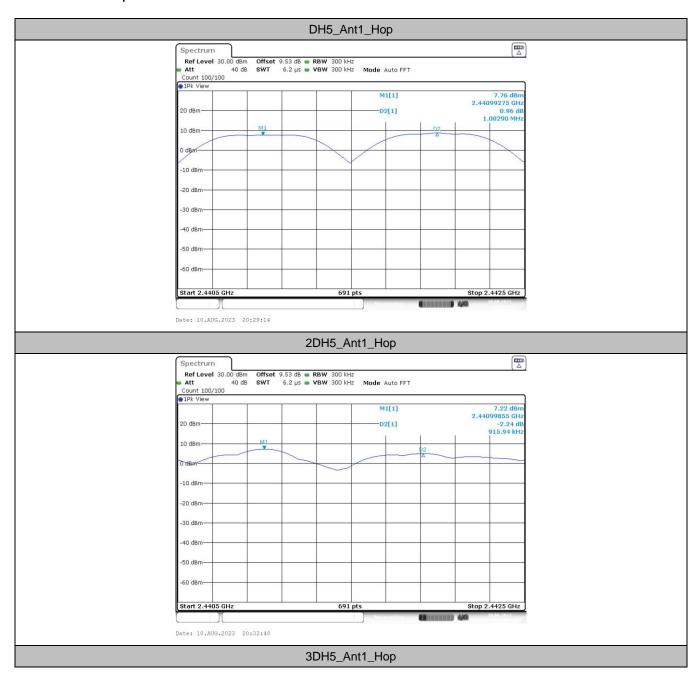
3. Carrier Frequency Separation

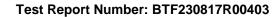
3.1 Ant1

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Нор	1.003	≥0.680	PASS
2DH5	Ant1	Нор	0.916	≥0.860	PASS
3DH5	Ant1	Нор	1.104	≥0.860	PASS

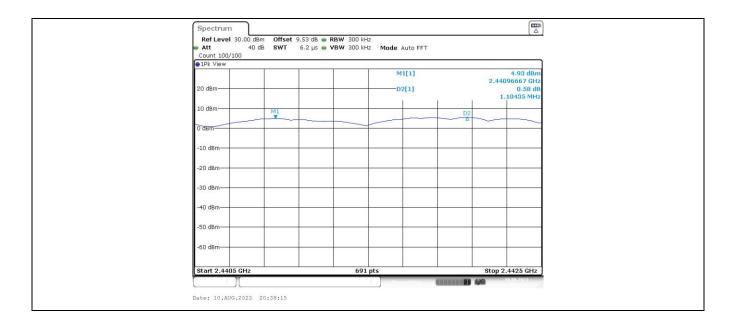












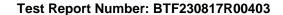
Test Report Number: BTF230817R00403



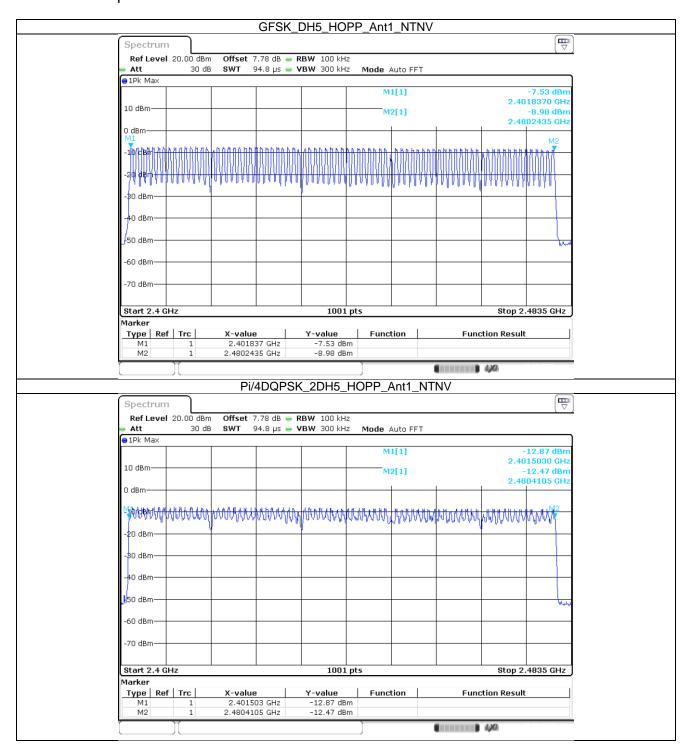
4. Number of Hopping Frequencies

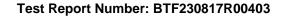
4.1 HoppNum

Mode	Frequency	Packet	Num of Hoppin	Verdict	
Mode	(MHz)	Type	ANT1	Limit	verdict
GFSK	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	HOPP	2DH5	79	>=15	Pass
8DPSK	HOPP	3DH5	79	>=15	Pass

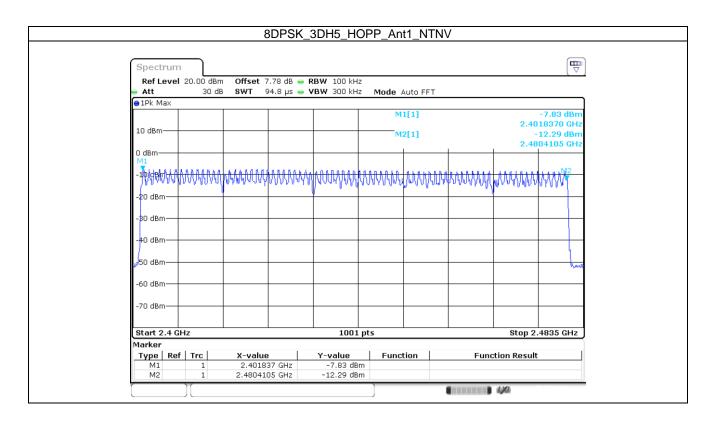


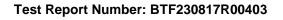










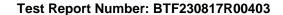




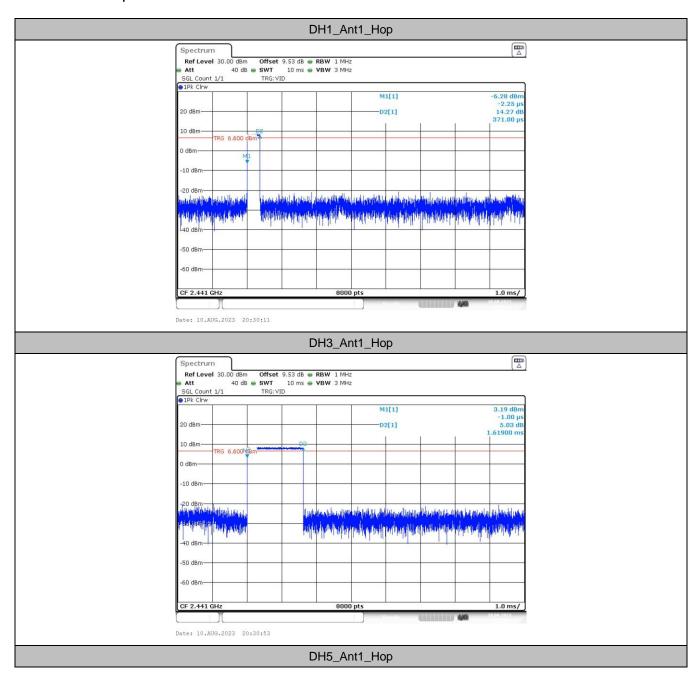
5. Time of Occupancy (Dwell Time)

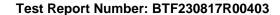
5.1 Ant1

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Нор	0.371	320	0.119	≤0.4	PASS
DH3	Ant1	Нор	1.619	160	0.259	≤0.4	PASS
DH5	Ant1	Нор	2.860	106.67	0.305	≤0.4	PASS
2DH1	Ant1	Нор	0.380	320	0.122	≤0.4	PASS
2DH3	Ant1	Нор	1.624	160	0.26	≤0.4	PASS
2DH5	Ant1	Нор	2.865	106.67	0.306	≤0.4	PASS
3DH1	Ant1	Нор	0.379	320	0.121	≤0.4	PASS
3DH3	Ant1	Нор	1.623	160	0.26	≤0.4	PASS
3DH5	Ant1	Нор	2.867	106.67	0.306	≤0.4	PASS

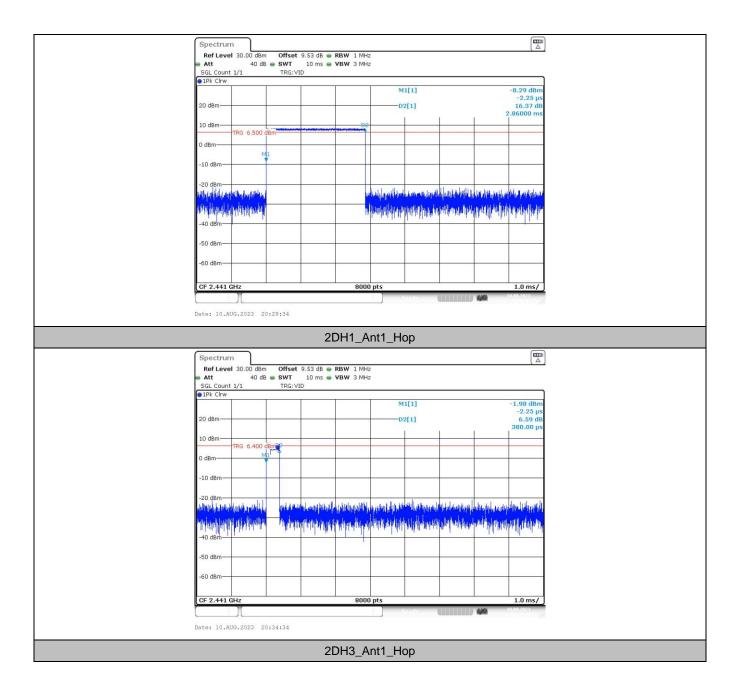


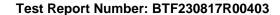




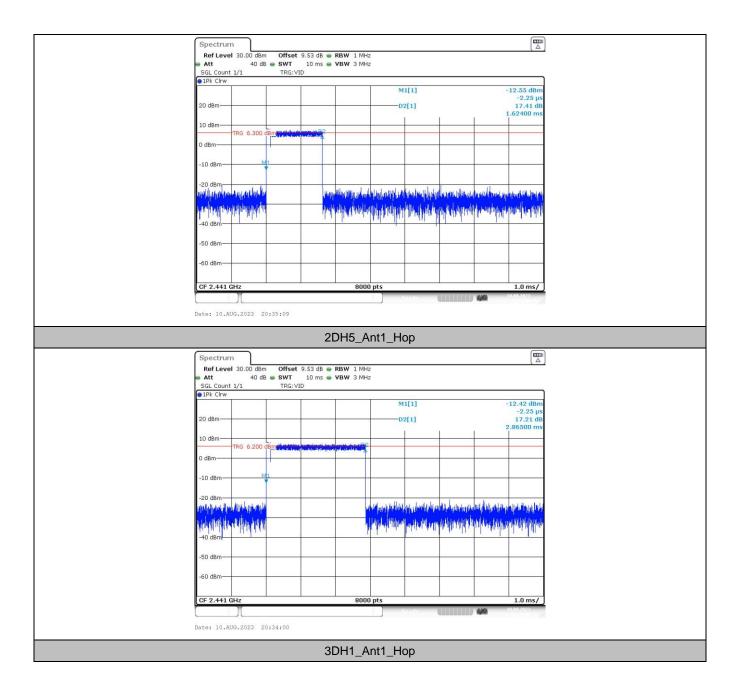


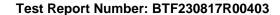




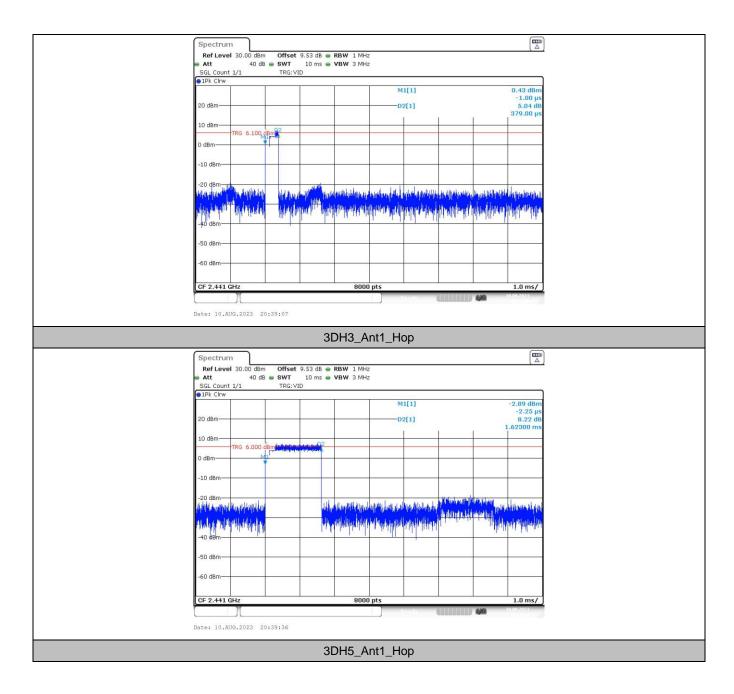


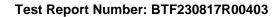




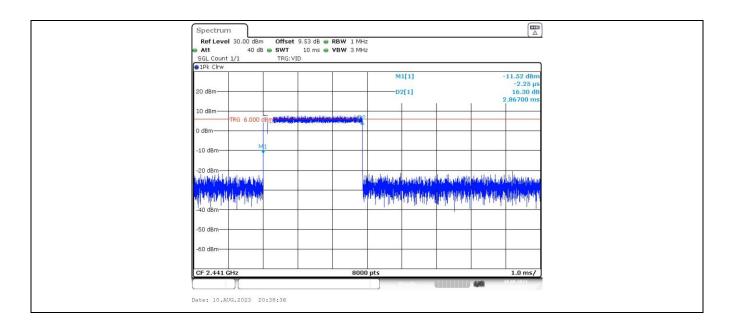


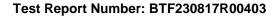














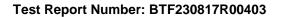
6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
		2402	DH5	1	5.12
GFSK	SISO	2441	DH5	1	6.00
		2480	DH5	1	6.15
	SISO	2402	2DH5	1	4.53
Pi/4DQPSK		2441	2DH5	1	5.09
		2480	2DH5	1	4.53
		2402	3DH5	1	5.38
8DPSK	SISO	2441	3DH5	1	4.58
		2480	3DH5	1	5.29

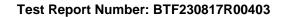
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



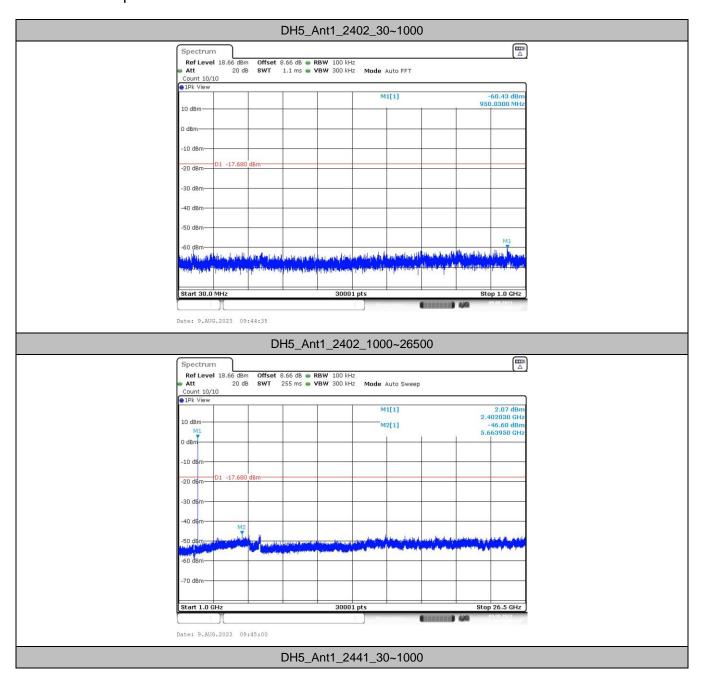


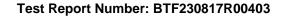
6.2 CSE

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
		2402	30~1000	2.32	-60.43	≤-17.68	PASS
		2402	1000~26500	2.32	-46.6	≤-17.68	PASS
DH5	Ant1	2441	30~1000	2.78	-60.54	≤-17.22	PASS
Dilio	Anti	2441	1000~26500	2.78	-46.32	≤-17.22	PASS
		2480	30~1000	1.03	-60.63	≤-18.97	PASS
		2400	1000~26500	1.03	-46.66	≤-18.97	PASS
		2402	30~1000	0.79	-60.75	≤-19.21	PASS
		2402	1000~26500	0.79	-46.89	≤-19.21	PASS
2DH5	00115	2441	30~1000	1.21	-60.01	≤-18.79	PASS
20113	Ant1		1000~26500	1.21	-46.66	≤-18.79	PASS
		2480	30~1000	-0.43	-60.46	≤-20.43	PASS
		2400	1000~26500	-0.43	-47.54	≤-20.43	PASS
		2402	30~1000	0.91	-60.11	≤-19.09	PASS
		2402	1000~26500	0.91	-47.06	≤-19.09	PASS
3DH5	Ant1	0444	30~1000	1.48	-61.1	≤-18.52	PASS
งบทง	Anti	2441	1000~26500	1.48	-46.65	≤-18.52	PASS
		2490	30~1000	-0.25	-60.2	≤-20.25	PASS
		2480	1000~26500	-0.25	-46.84	≤-20.25	PASS

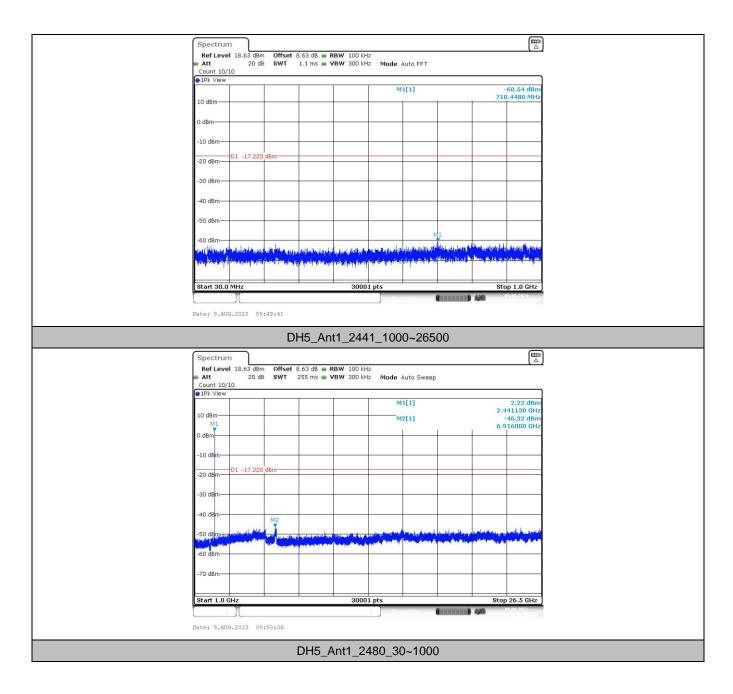


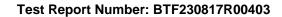




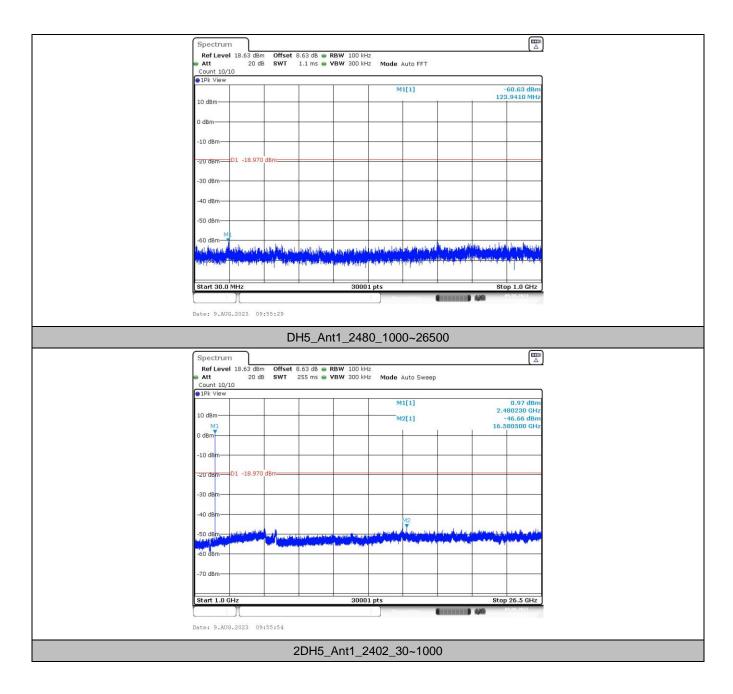


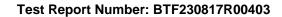




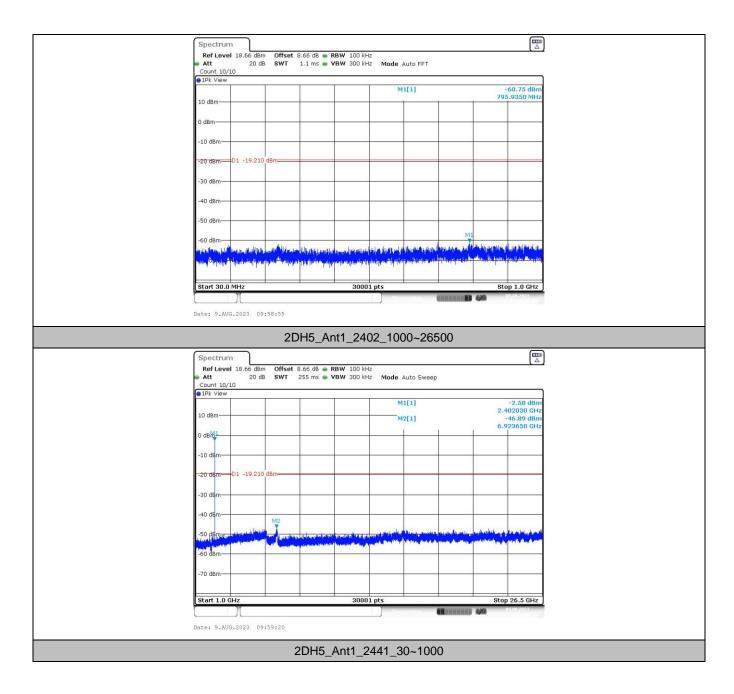


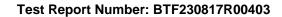




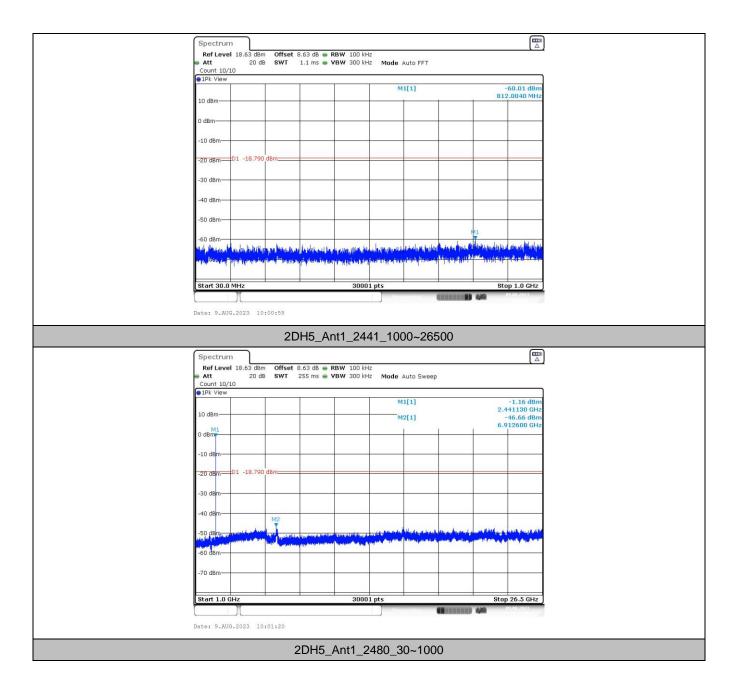


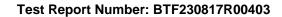




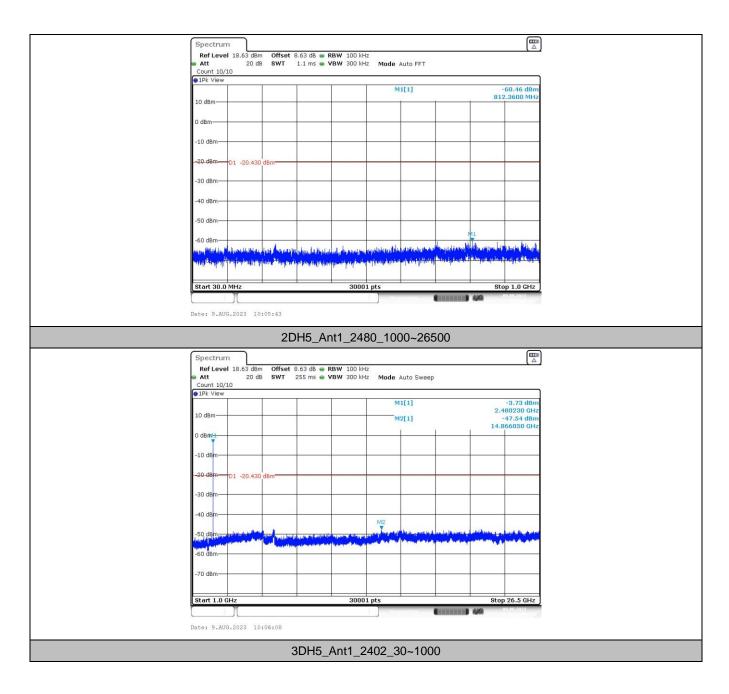


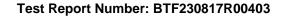




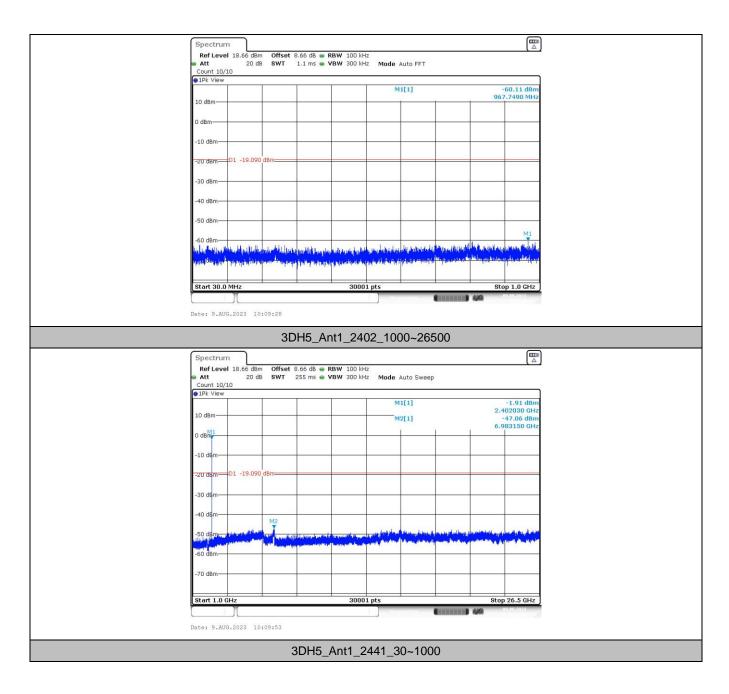


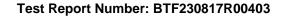




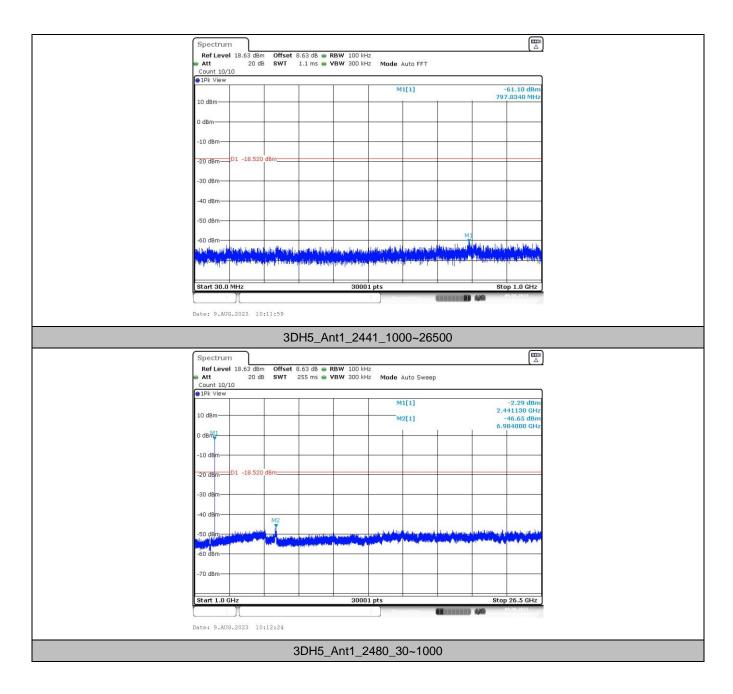


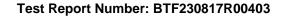




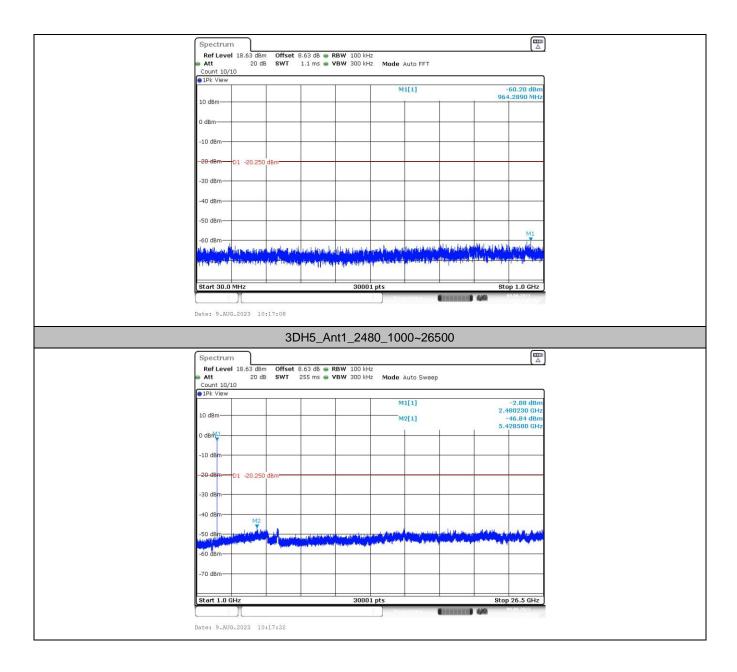


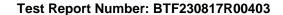




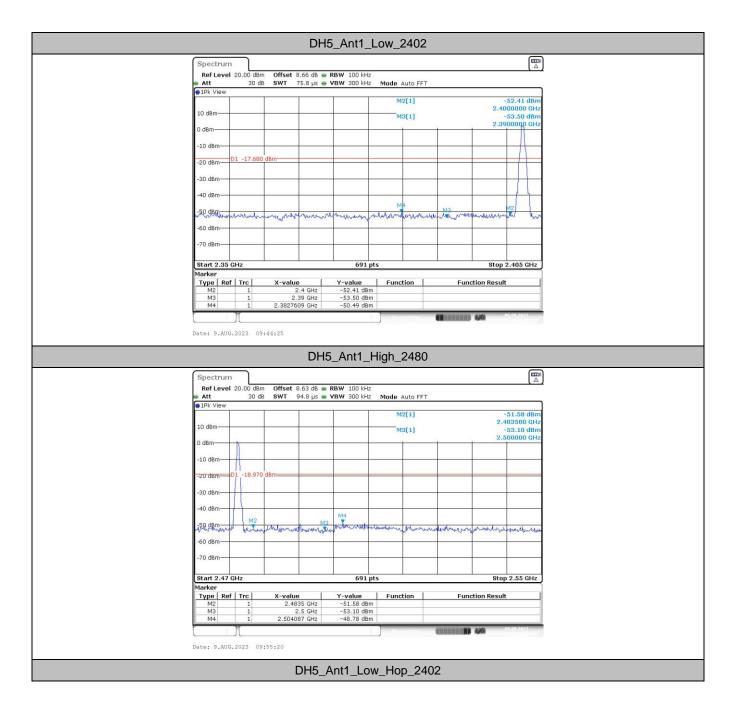


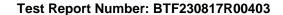




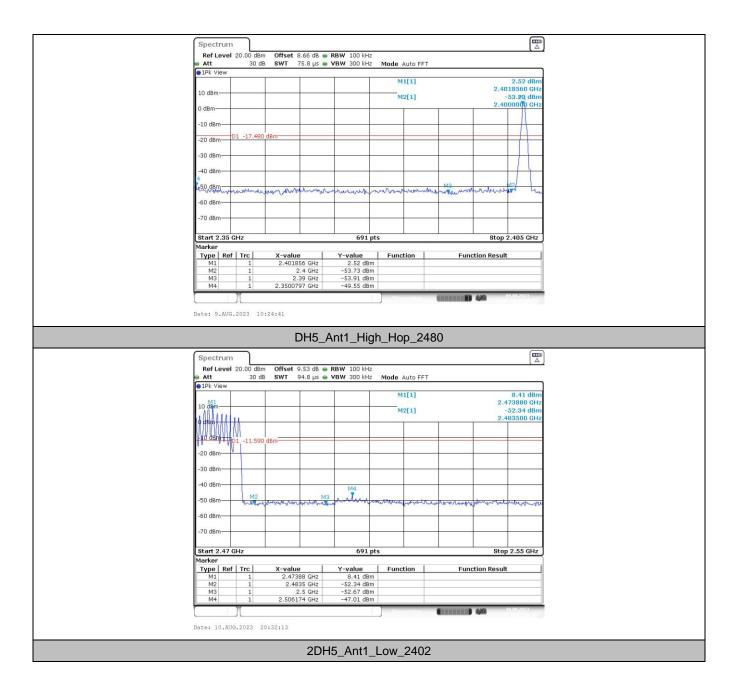


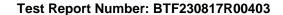




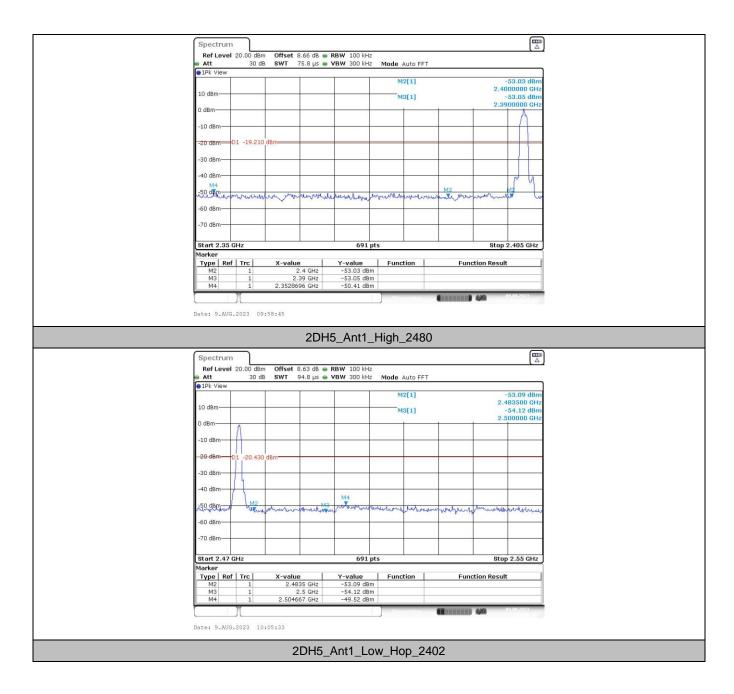


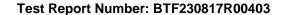




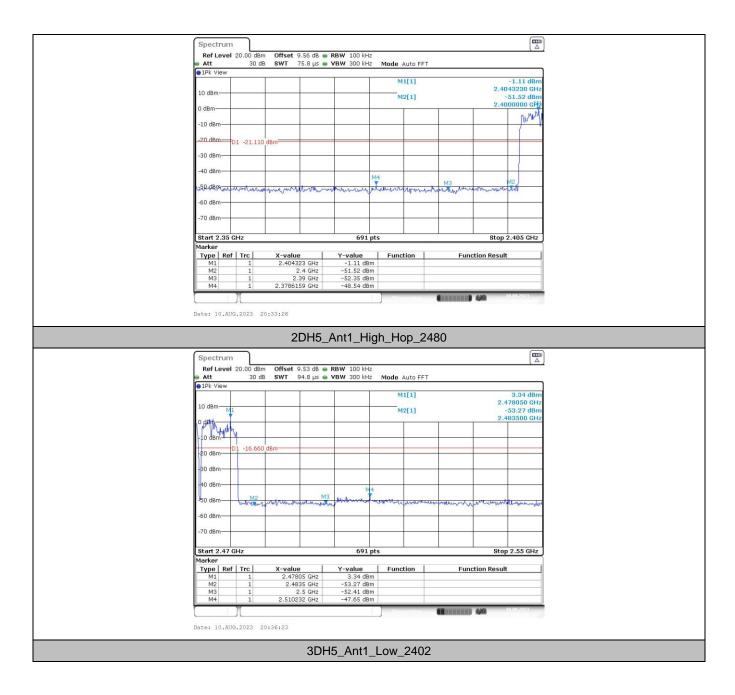


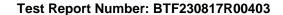




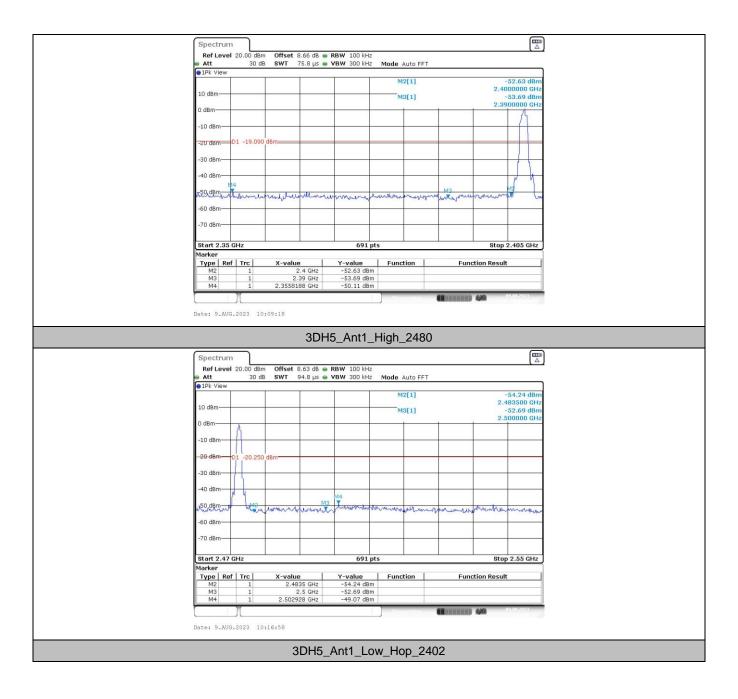


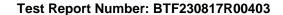




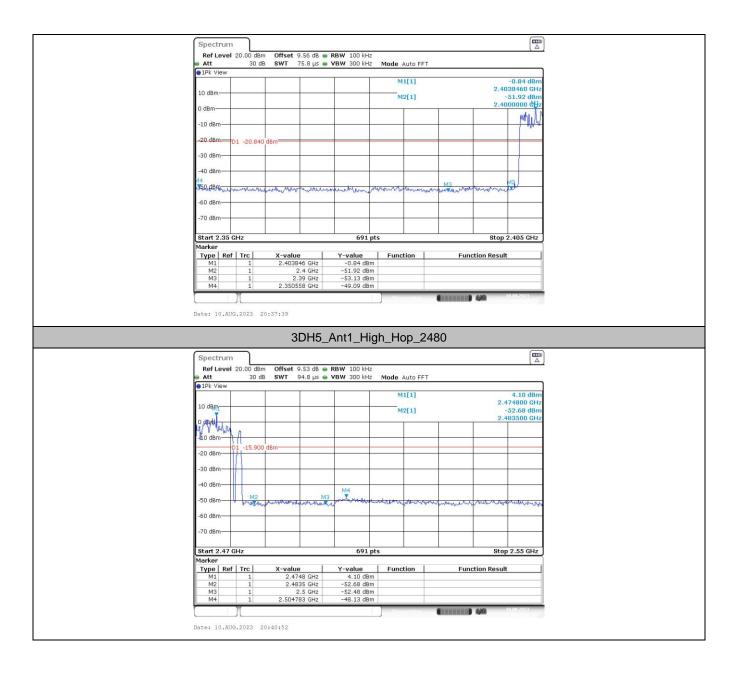


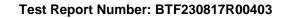










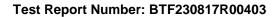




7. Form731

7.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.00249	3.97







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www.btf-lab.com

-- END OF REPORT --