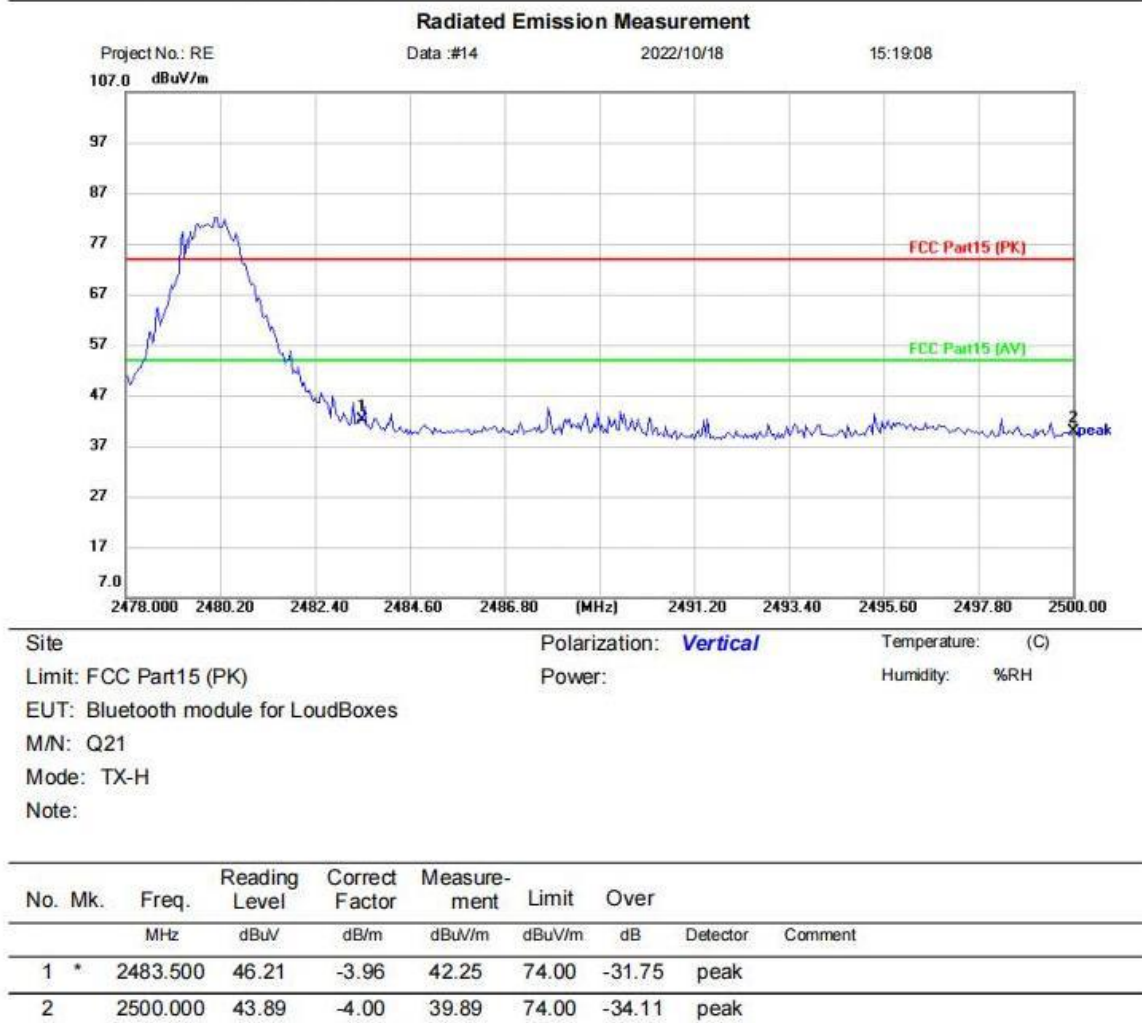


[TestMode: TX highest channel]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

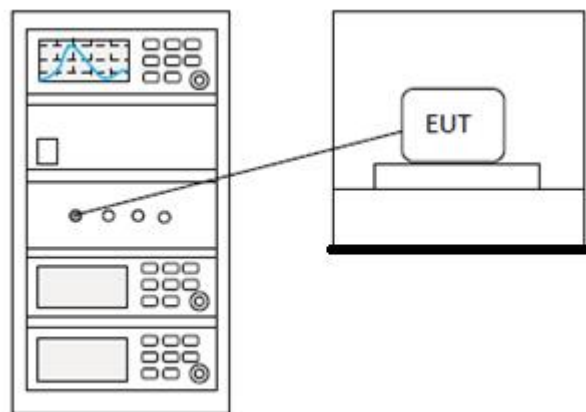
17 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

17.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

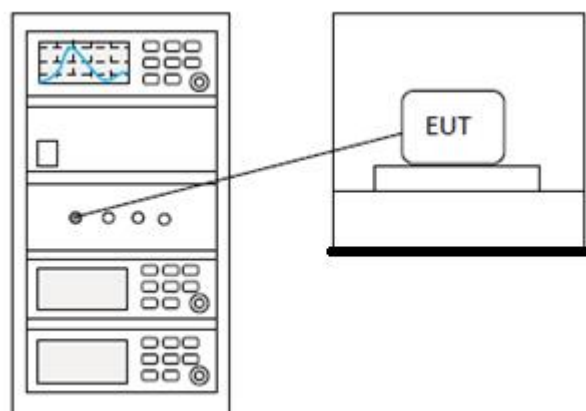
18 DWELL TIME

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.4
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

18.1 LIMITS

Frequency(MHz)	Limit
902-928	0.4S within a 20S period(20dB bandwidth<250kHz)
	0.4S within a 10S period(20dB bandwidth≥250kHz)
2400-2483.5	0.4S within a period of 0.4S multiplied by the number of hopping channels
5725-5850	0.4S within a 30S period

18.2 BLOCK DIAGRAM OF TEST SETUP



18.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

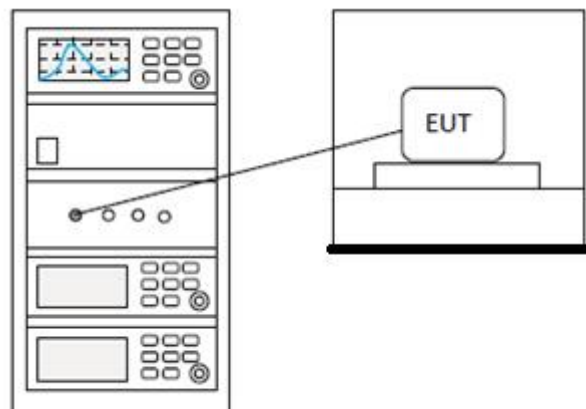
19 HOPPING CHANNEL NUMBER

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.3
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

19.1 LIMITS

Frequency range(MHz)	Number of hopping channels (minimum)
902-928	50 for 20dB bandwidth <250kHz
	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

19.2 BLOCK DIAGRAM OF TEST SETUP



19.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

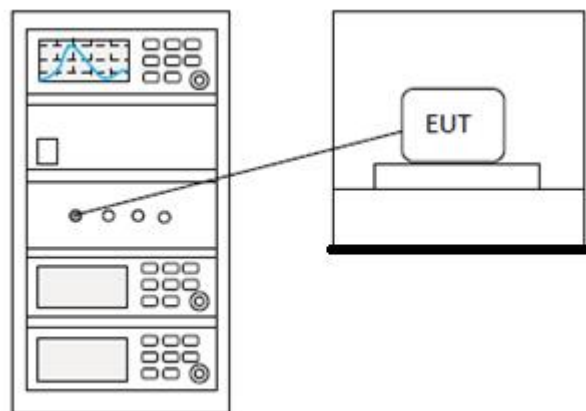
20 CARRIER FREQUENCIES SEPARATION

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

20.1 LIMITS

Limit:	2/3 of the 20dB bandwidth base on the transmission power is less than 0.125W
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20.2 BLOCK DIAGRAM OF TEST SETUP



20.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details
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21 APPENDIX

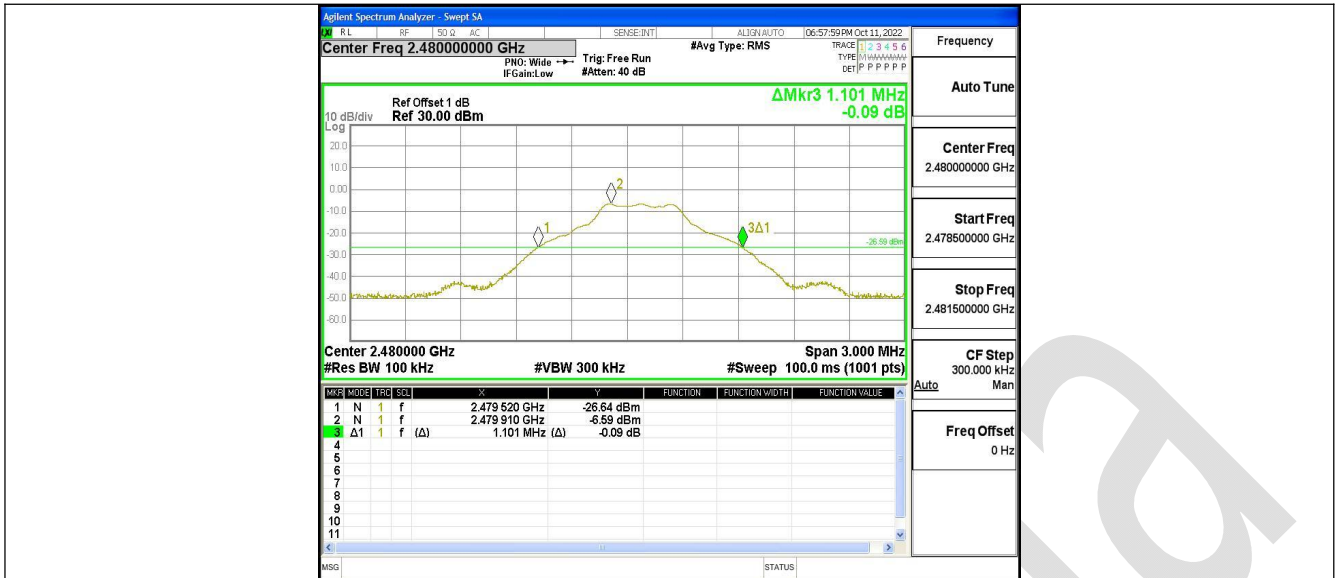
Appendix1

21.1 20DB EMISSION BANDWIDTH

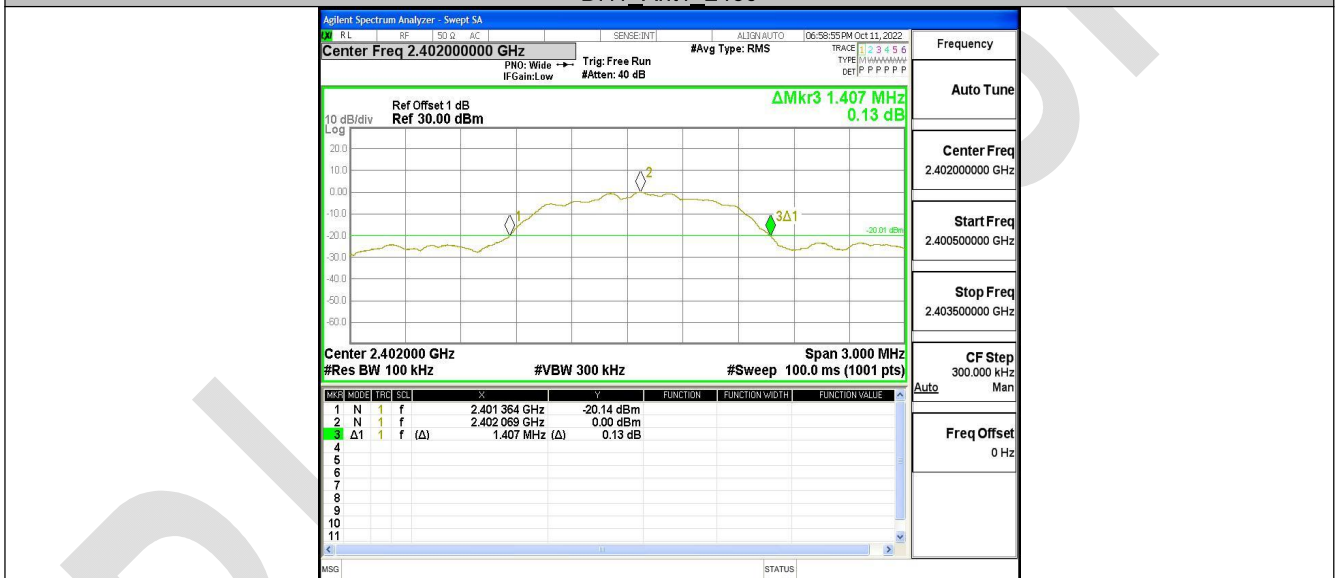
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.101	2401.514	2402.615	0	PASS
		2441	1.101	2440.520	2441.621	0	PASS
		2480	1.101	2479.520	2480.621	0	PASS
2DH1	Ant1	2402	1.407	2401.364	2402.771	0	PASS
		2441	1.416	2440.370	2441.786	0	PASS
		2480	1.437	2479.355	2480.792	0	PASS
3DH1	Ant1	2402	1.389	2401.361	2402.750	0	PASS
		2441	1.407	2440.364	2441.771	0	PASS
		2480	1.437	2479.349	2480.786	0	PASS

Test Graphs





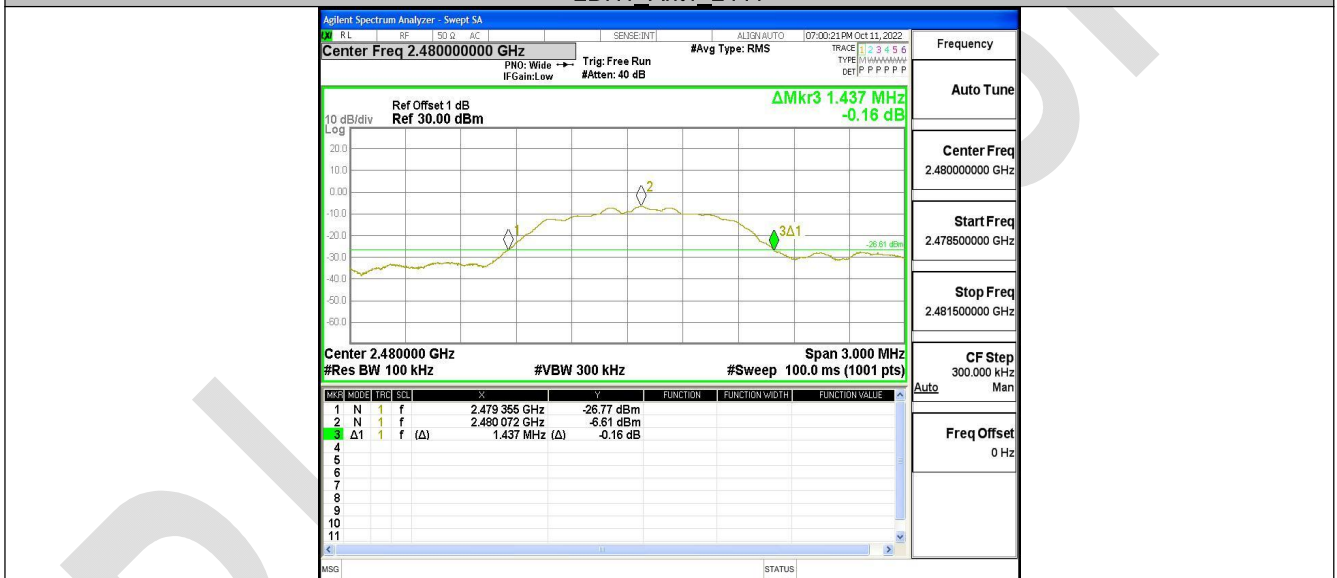
DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



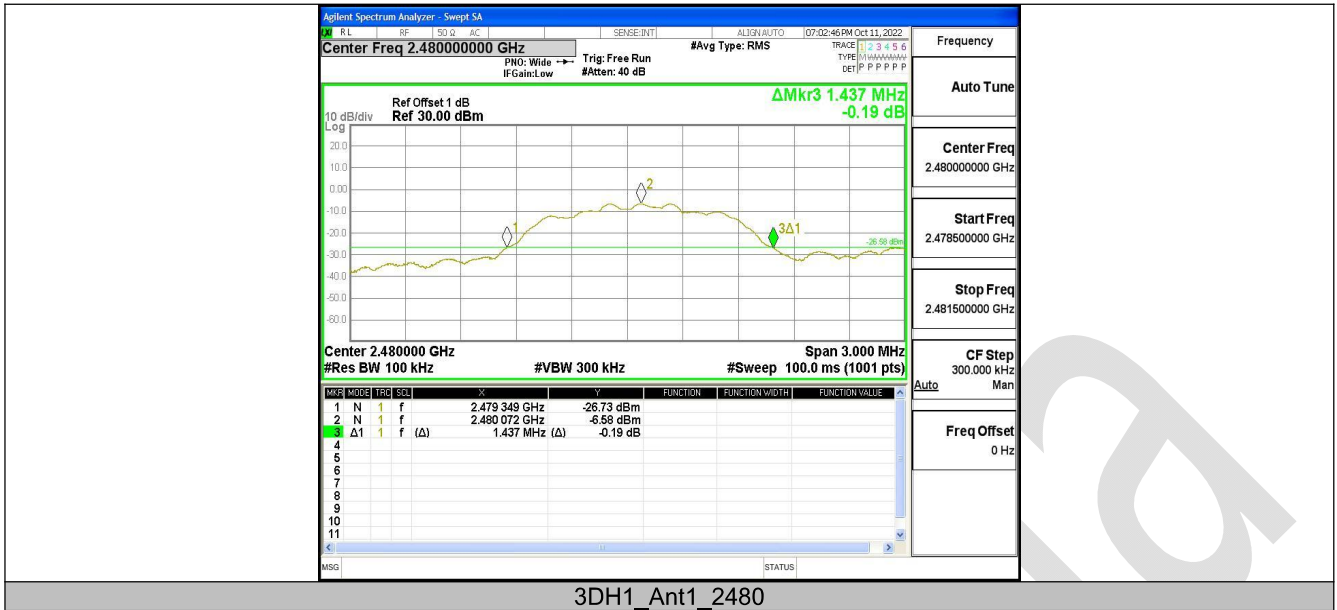
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



21.2 OCCUPIED CHANNEL BANDWIDTH

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
DH1	Ant1	2402	0.86670	2401.631	2402.497	PASS
		2441	0.85870	2440.638	2441.497	PASS
		2480	0.86442	2479.640	2480.504	PASS
2DH1	Ant1	2402	1.2728	2401.426	2402.699	PASS
		2441	1.2861	2440.439	2441.725	PASS
		2480	1.3488	2479.439	2480.788	PASS
3DH1	Ant1	2402	1.2358	2401.443	2402.679	PASS
		2441	1.2310	2440.461	2441.692	PASS
		2480	1.2839	2479.453	2480.737	PASS

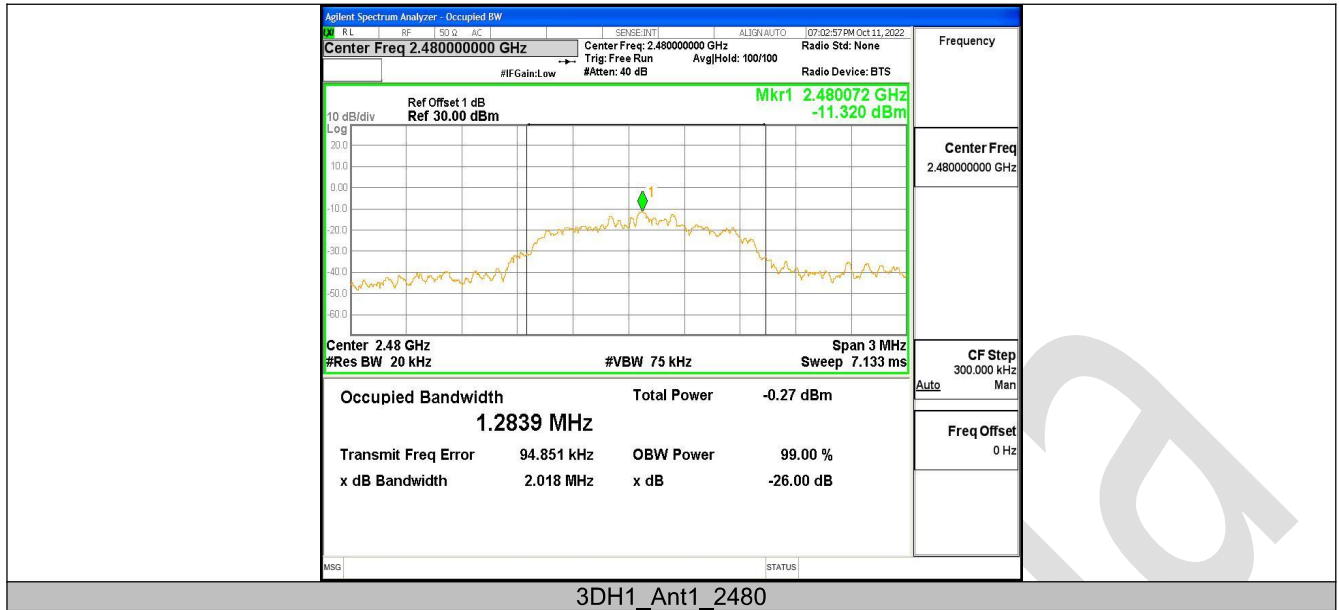
Test Graphs







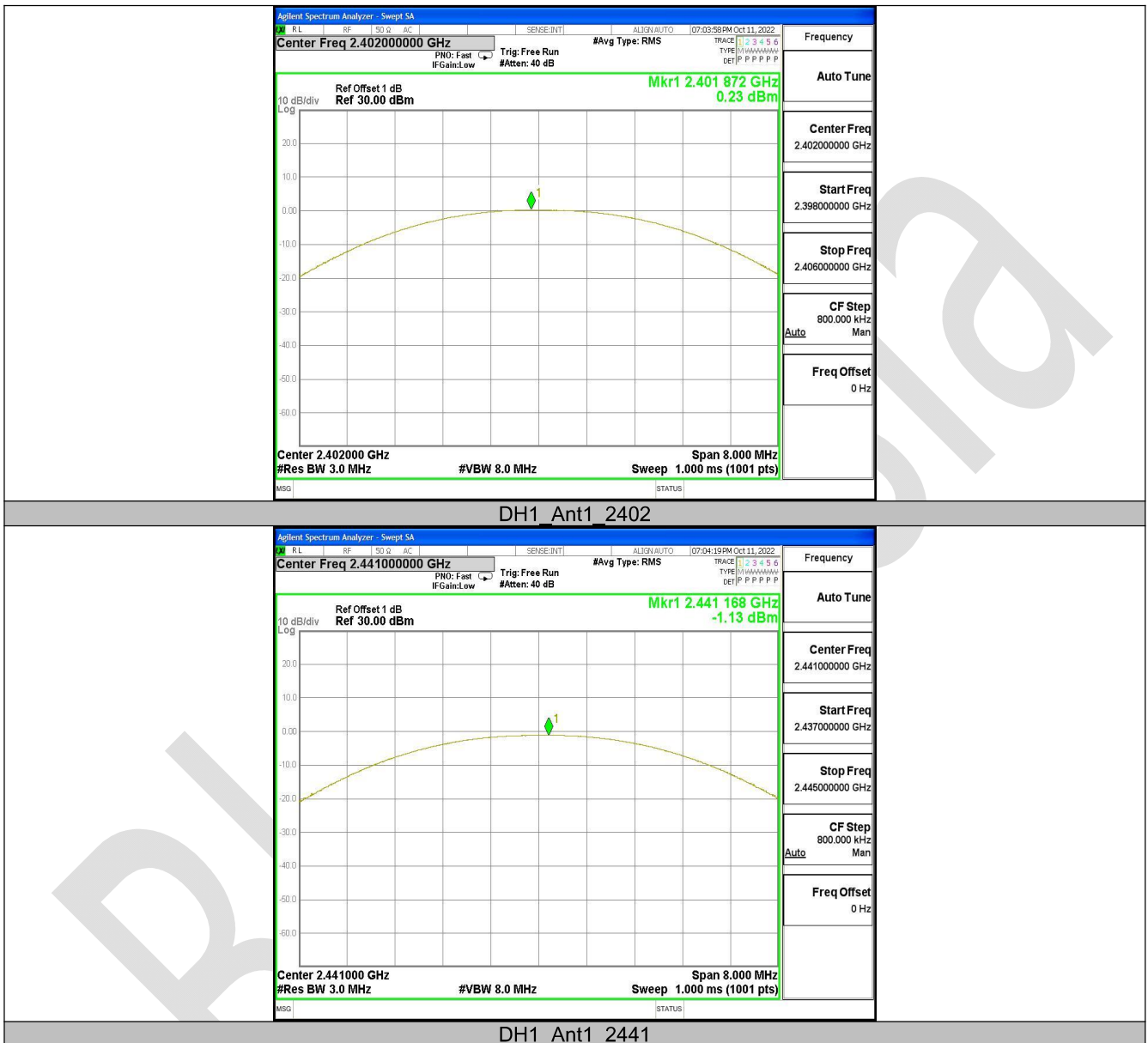


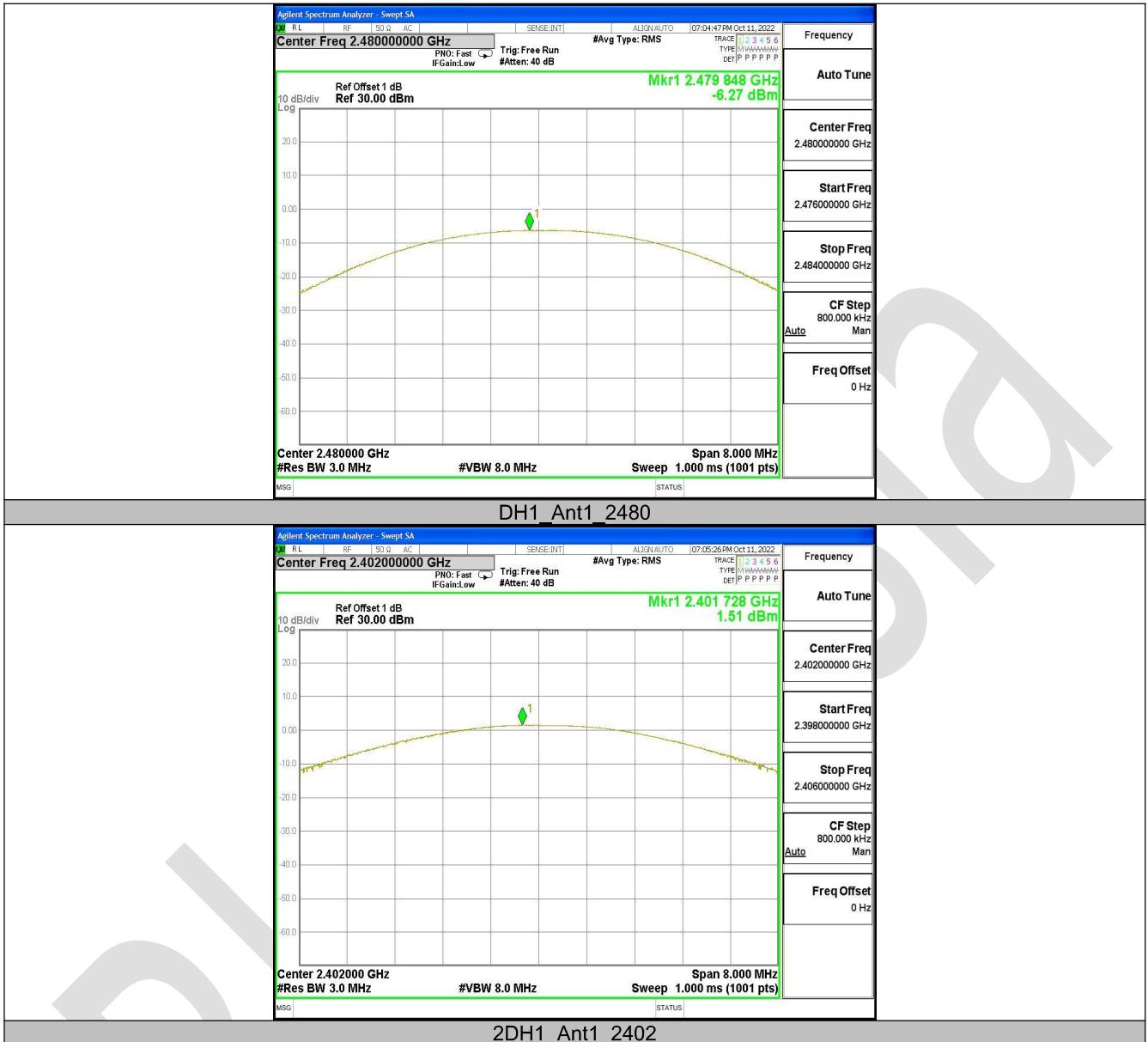


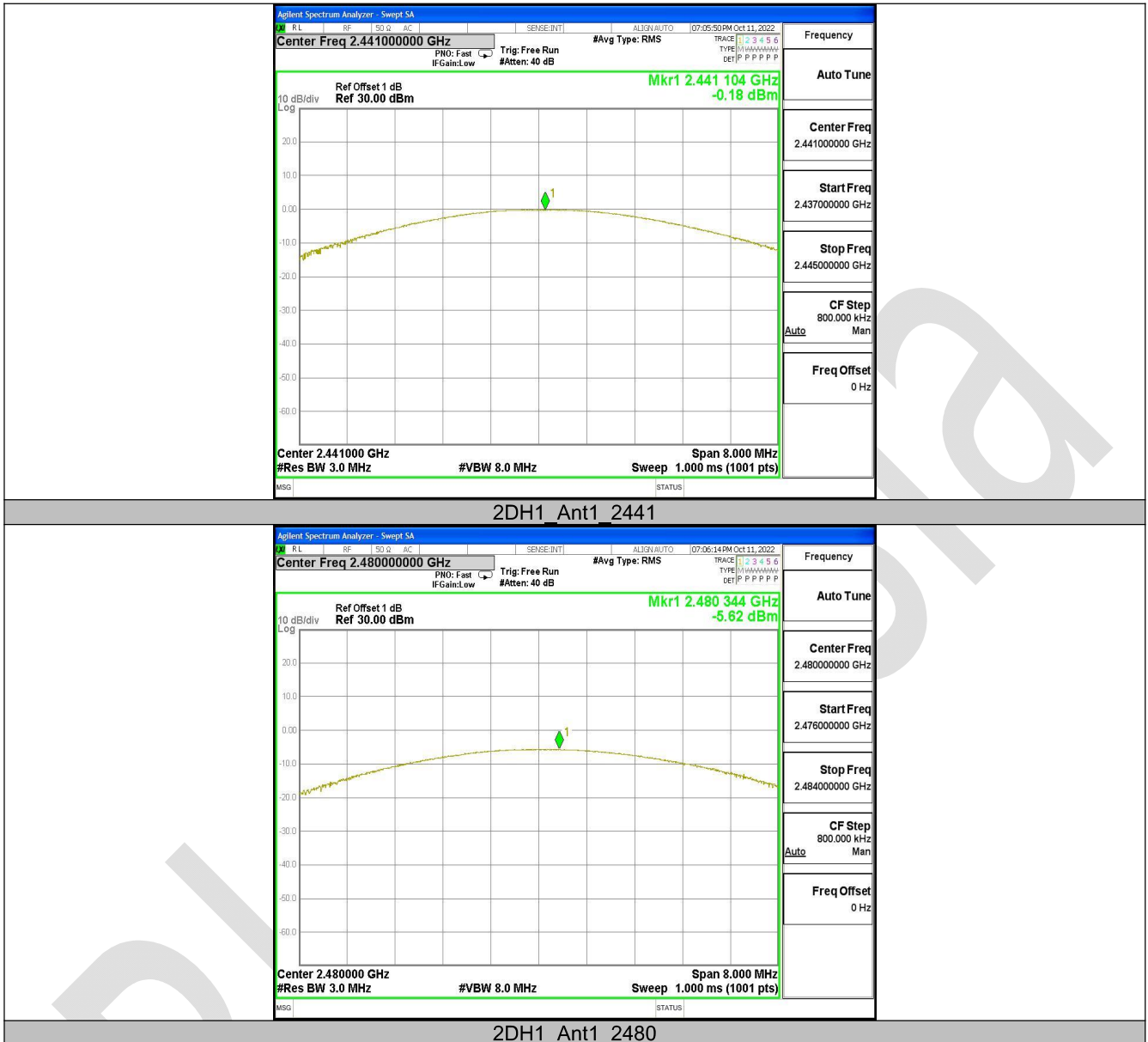
21.3 MAXIMUM CONDUCTED OUTPUT POWER

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	0.23	<=30	PASS
		2441	-1.13	<=30	PASS
		2480	-6.27	<=30	PASS
2DH1	Ant1	2402	1.51	<=20.97	PASS
		2441	-0.18	<=20.97	PASS
		2480	-5.62	<=20.97	PASS
3DH1	Ant1	2402	1.51	<=20.97	PASS
		2441	-0.16	<=20.97	PASS
		2480	-5.68	<=20.97	PASS

Test Graphs









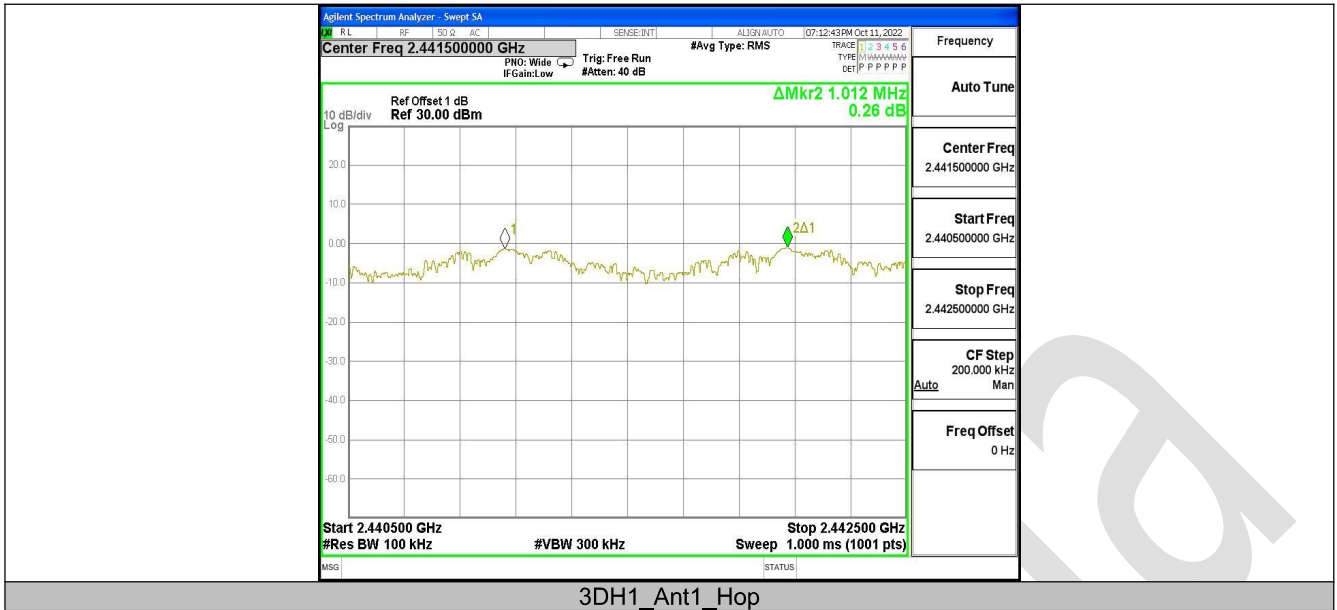


21.4 CARRIER FREQUENCY SEPARATION

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.01	≥ 0.734	PASS
2DH1	Ant1	Hop	1.174	≥ 0.958	PASS
3DH1	Ant1	Hop	1.012	≥ 0.958	PASS

Test Graphs





TIME OF OCCUPANCY

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	330	0.126	<=0.4	PASS
DH3	Ant1	Hop	1.64	170	0.279	<=0.4	PASS
DH5	Ant1	Hop	2.89	110	0.318	<=0.4	PASS

Test Graphs

