

Appendix: 5G Wi-Fi Band 1,2,4

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1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.393	1.454	95.80	0.19	0.60
		5200	/	/	1.392	1.454	95.74	0.19	0.63
		5240	/	/	1.393	1.454	95.80	0.19	0.63
		5260	/	/	1.393	1.454	95.80	0.19	0.60
		5300	/	/	1.393	1.454	95.80	0.19	0.63
		5320	/	/	1.392	1.453	95.80	0.19	0.60
		5745	/	/	1.392	1.454	95.74	0.19	0.63
		5785	/	/	1.392	1.454	95.74	0.19	0.66
		5825	/	/	1.392	1.454	95.74	0.19	0.63
802.11n (HT20)	MIMO	5180	/	/	1.309	1.371	95.48	0.20	0.69
		5200	/	/	1.308	1.369	95.54	0.20	0.66
		5240	/	/	1.309	1.370	95.55	0.20	0.66
		5260	/	/	1.309	1.370	95.55	0.20	0.66
		5300	/	/	1.309	1.370	95.55	0.20	0.69
		5320	/	/	1.308	1.370	95.47	0.20	0.69
		5745	/	/	1.308	1.369	95.54	0.20	0.66
		5785	/	/	1.309	1.370	95.55	0.20	0.62
		5825	/	/	1.309	1.370	95.55	0.20	0.66
802.11n (HT40)	MIMO	5190	/	/	0.648	0.710	91.27	0.40	1.19
		5230	/	/	0.648	0.709	91.40	0.39	1.19
		5270	/	/	0.648	0.709	91.40	0.39	1.19
		5310	/	/	0.648	0.709	91.40	0.39	1.19
		5755	/	/	0.649	0.710	91.41	0.39	1.22
		5795	/	/	0.648	0.709	91.40	0.39	1.22
802.11ac (VHT20)	MIMO	5180	/	/	1.312	1.374	95.49	0.20	0.66
		5200	/	/	1.312	1.373	95.56	0.20	0.66
		5240	/	/	1.312	1.374	95.49	0.20	0.66
		5260	/	/	1.312	1.373	95.56	0.20	0.66
		5300	/	/	1.313	1.374	95.56	0.20	0.66
		5320	/	/	1.312	1.373	95.56	0.20	0.62
		5745	/	/	1.313	1.374	95.56	0.20	0.62
		5785	/	/	1.313	1.374	95.56	0.20	0.66
		5825	/	/	1.312	1.373	95.56	0.20	0.62
802.11ac (VHT40)	MIMO	5190	/	/	0.652	0.714	91.32	0.39	1.21
		5230	/	/	0.653	0.714	91.46	0.39	1.18
		5270	/	/	0.652	0.713	91.44	0.39	1.18
		5310	/	/	0.652	0.713	91.44	0.39	1.18
		5755	/	/	0.653	0.714	91.46	0.39	1.21
		5795	/	/	0.653	0.714	91.46	0.39	1.18
802.11ac (VHT80)	MIMO	5210	/	/	0.325	0.386	84.20	0.75	2.09
		5290	/	/	0.324	0.386	83.94	0.76	2.06
		5775	/	/	0.325	0.386	84.20	0.75	2.06
802.11ac (VHT16)	MIMO	5250	/	/	0.187	0.246	76.02	1.19	2.90

0)									
802.11a x (HEW20)	MIM O	5180	SU	/	0.311	0.372	83.60	0.78	2.09
		5200	SU	/	0.310	0.372	83.33	0.79	2.13
		5240	SU	/	0.311	0.372	83.60	0.78	2.12
		5260	SU	/	0.311	0.372	83.60	0.78	2.16
		5300	SU	/	0.311	0.372	83.60	0.78	2.09
		5320	SU	/	0.311	0.372	83.60	0.78	2.09
		5745	SU	/	0.311	0.372	83.60	0.78	2.12
		5785	SU	/	0.311	0.372	83.60	0.78	2.17
		5825	SU	/	0.311	0.372	83.60	0.78	2.09
802.11a x (HEW40)	MIM O	5190	SU	/	0.310	0.372	83.33	0.79	2.12
		5230	SU	/	0.311	0.372	83.60	0.78	2.09
		5270	SU	/	0.311	0.372	83.60	0.78	2.13
		5310	SU	/	0.311	0.372	83.60	0.78	2.12
		5755	SU	/	0.311	0.372	83.60	0.78	0.07
		5795	SU	/	0.310	0.363	85.40	0.69	0.04
802.11a x (HEW80)	MIM O	5210	SU	/	0.297	0.359	82.73	0.82	2.19
		5290	SU	/	0.297	0.359	82.73	0.82	2.23
		5775	SU	/	0.297	0.358	82.96	0.81	2.15
802.11a x (HEW16 0)	MIM O	5250	SU	/	0.299	0.360	83.06	0.81	0.07
802.11b e (EHT20)	MIM O	5180	SU	/	0.364	0.425	85.65	0.67	1.87
		5200	SU	/	0.364	0.426	85.45	0.68	1.90
		5240	SU	/	0.364	0.426	85.45	0.68	1.84
		5260	SU	/	0.364	0.426	85.45	0.68	1.89
		5300	SU	/	0.364	0.426	85.45	0.68	1.93
		5320	SU	/	0.365	0.426	85.68	0.67	1.86
		5745	SU	/	0.364	0.426	85.45	0.68	1.90
		5785	SU	/	0.364	0.425	85.65	0.67	1.90
		5825	SU	/	0.365	0.426	85.68	0.67	1.90
802.11b e (EHT40)	MIM O	5190	SU	/	0.364	0.426	85.45	0.68	1.87
		5230	SU	/	0.365	0.426	85.68	0.67	1.87
		5270	SU	/	0.364	0.425	85.65	0.67	1.87
		5310	SU	/	0.364	0.425	85.65	0.67	1.87
		5755	SU	/	0.364	0.425	85.65	0.67	1.90
		5795	SU	/	0.364	0.425	85.65	0.67	1.84
802.11b e (EHT80)	MIM O	5210	SU	/	0.349	0.410	85.12	0.70	1.96
		5290	SU	/	0.348	0.410	84.88	0.71	1.93
		5775	SU	/	0.349	0.410	85.12	0.70	1.96
802.11b e (EHT16 0)	MIM O	5250	SU	/	0.352	0.414	85.02	0.70	1.95

1.1.2 Ant2

Ant2									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SIS O	5180	/	/	1.393	1.454	95.80	0.19	0.63
		5200	/	/	1.393	1.454	95.80	0.19	0.63
		5240	/	/	1.393	1.454	95.80	0.19	0.60

		5260	/	/	1.392	1.454	95.74	0.19	0.60
		5300	/	/	1.393	1.455	95.74	0.19	0.63
		5320	/	/	1.392	1.453	95.80	0.19	0.63
		5745	/	/	1.392	1.454	95.74	0.19	0.63
		5785	/	/	1.392	1.453	95.80	0.19	0.60
		5825	/	/	1.393	1.454	95.80	0.19	0.63
802.11n (HT20)	MIM O	5180	/	/	1.308	1.370	95.47	0.20	0.69
		5200	/	/	1.308	1.369	95.54	0.20	0.62
		5240	/	/	1.308	1.369	95.54	0.20	0.66
		5260	/	/	1.308	1.370	95.47	0.20	0.66
		5300	/	/	1.308	1.369	95.54	0.20	0.69
		5320	/	/	1.308	1.369	95.54	0.20	0.62
		5745	/	/	1.308	1.369	95.54	0.20	0.66
		5785	/	/	1.309	1.370	95.55	0.20	0.62
802.11n (HT40)	MIM O	5825	/	/	1.309	1.370	95.55	0.20	0.66
		5190	/	/	0.648	0.709	91.40	0.39	1.19
		5230	/	/	0.649	0.710	91.41	0.39	1.25
		5270	/	/	0.648	0.709	91.40	0.39	1.19
		5310	/	/	0.648	0.710	91.27	0.40	1.22
		5755	/	/	0.649	0.710	91.41	0.39	1.19
802.11a c (VHT20)	MIM O	5795	/	/	0.649	0.709	91.54	0.38	1.19
		5180	/	/	1.312	1.373	95.56	0.20	0.66
		5200	/	/	1.312	1.373	95.56	0.20	0.62
		5240	/	/	1.312	1.374	95.49	0.20	0.65
		5260	/	/	1.312	1.374	95.49	0.20	0.66
		5300	/	/	1.313	1.374	95.56	0.20	0.69
		5320	/	/	1.313	1.374	95.56	0.20	0.66
		5745	/	/	1.312	1.373	95.56	0.20	0.66
802.11a c (VHT40)	MIM O	5785	/	/	1.313	1.374	95.56	0.20	0.66
		5825	/	/	1.313	1.374	95.56	0.20	0.66
		5190	/	/	0.652	0.713	91.44	0.39	1.18
		5230	/	/	0.653	0.714	91.46	0.39	1.22
		5270	/	/	0.652	0.713	91.44	0.39	1.18
		5310	/	/	0.653	0.714	91.46	0.39	1.21
802.11a c (VHT80)	MIM O	5755	/	/	0.652	0.713	91.44	0.39	1.18
		5795	/	/	0.653	0.714	91.46	0.39	1.18
		5210	/	/	0.324	0.386	83.94	0.76	2.06
802.11a c (VHT16 0)	MIM O	5290	/	/	0.324	0.386	83.94	0.76	2.06
		5775	/	/	0.324	0.386	83.94	0.76	2.06
802.11a x (HEW20)	MIM O	5250	/	/	0.187	0.245	76.33	1.17	2.98
		5180	SU	/	0.311	0.372	83.60	0.78	2.13
		5200	SU	/	0.310	0.372	83.33	0.79	2.09
		5240	SU	/	0.311	0.372	83.60	0.78	2.12
		5260	SU	/	0.310	0.372	83.33	0.79	2.09
		5300	SU	/	0.311	0.372	83.60	0.78	2.12
		5320	SU	/	0.311	0.372	83.60	0.78	2.09
		5745	SU	/	0.311	0.372	83.60	0.78	2.09
		5785	SU	/	0.310	0.372	83.33	0.79	2.09
802.11a x	MIM O	5825	SU	/	0.311	0.372	83.60	0.78	2.12
		5190	SU	/	0.311	0.372	83.60	0.78	2.06
		5230	SU	/	0.311	0.372	83.60	0.78	2.13

(HEW40)		5270	SU	/	0.310	0.372	83.33	0.79	2.16
		5310	SU	/	0.311	0.372	83.60	0.78	2.13
		5755	SU	/	0.311	0.372	83.60	0.78	0.11
		5795	SU	/	0.310	0.363	85.40	0.69	0.07
802.11a x (HEW80)	MIMO	5210	SU	/	0.297	0.359	82.73	0.82	2.19
		5290	SU	/	0.297	0.359	82.73	0.82	2.19
		5775	SU	/	0.300	0.359	83.57	0.78	2.24
802.11a x (HEW160)	MIMO	5250	SU	/	0.298	0.360	82.78	0.82	0.07
802.11b e (EHT20)	MIMO	5180	SU	/	0.364	0.425	85.65	0.67	1.87
		5200	SU	/	0.365	0.426	85.68	0.67	1.93
		5240	SU	/	0.364	0.426	85.45	0.68	1.93
		5260	SU	/	0.365	0.426	85.68	0.67	1.87
		5300	SU	/	0.365	0.426	85.68	0.67	1.87
		5320	SU	/	0.364	0.425	85.65	0.67	1.93
		5745	SU	/	0.365	0.426	85.68	0.67	1.90
		5785	SU	/	0.364	0.426	85.45	0.68	1.89
		5825	SU	/	0.365	0.426	85.68	0.67	1.90
802.11b e (EHT40)	MIMO	5190	SU	/	0.364	0.426	85.45	0.68	1.93
		5230	SU	/	0.364	0.426	85.45	0.68	1.86
		5270	SU	/	0.365	0.426	85.68	0.67	1.89
		5310	SU	/	0.364	0.426	85.45	0.68	1.93
		5755	SU	/	0.364	0.425	85.65	0.67	1.93
		5795	SU	/	0.364	0.425	85.65	0.67	1.87
802.11b e (EHT80)	MIMO	5210	SU	/	0.349	0.410	85.12	0.70	1.96
		5290	SU	/	0.348	0.409	85.09	0.70	1.96
		5775	SU	/	0.349	0.410	85.12	0.70	1.93
802.11b e (EHT160)	MIMO	5250	SU	/	0.353	0.414	85.27	0.69	1.91

1.1.3 Ant3

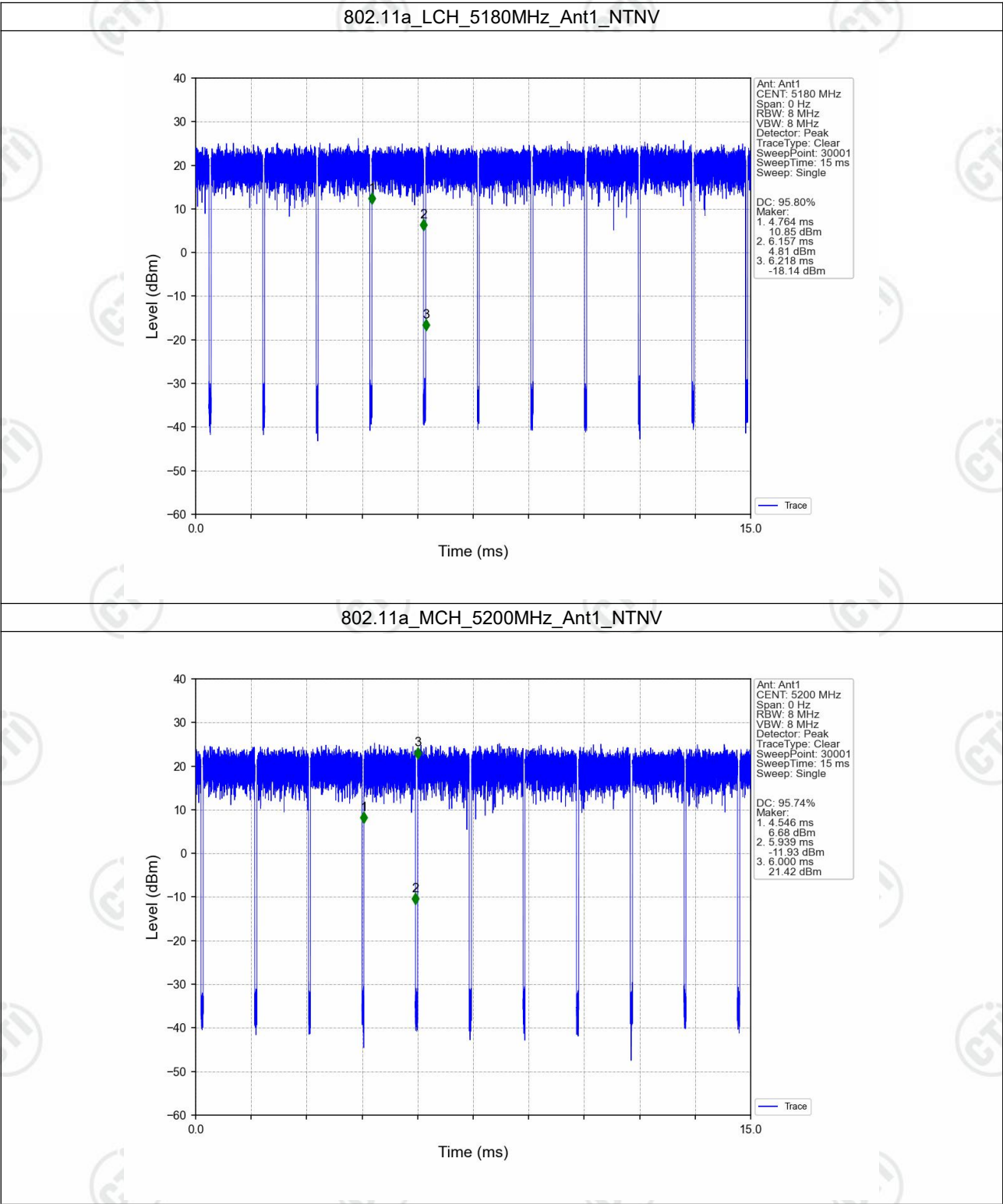
Ant3									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.393	1.454	95.80	0.19	0.66
		5200	/	/	1.392	1.454	95.74	0.19	0.67
		5240	/	/	1.393	1.454	95.80	0.19	0.63
		5260	/	/	1.393	1.454	95.80	0.19	0.63
		5300	/	/	1.393	1.454	95.80	0.19	0.63
		5320	/	/	1.393	1.454	95.80	0.19	0.60
		5745	/	/	1.393	1.454	95.80	0.19	0.63
		5785	/	/	1.393	1.454	95.80	0.19	0.63
		5825	/	/	1.393	1.455	95.74	0.19	0.63
802.11n (HT20)	MIMO	5180	/	/	1.309	1.370	95.55	0.20	0.66
		5200	/	/	1.308	1.369	95.54	0.20	0.62
		5240	/	/	1.308	1.369	95.54	0.20	0.62
		5260	/	/	1.308	1.370	95.47	0.20	0.62
		5300	/	/	1.308	1.369	95.54	0.20	0.62
		5320	/	/	1.308	1.369	95.54	0.20	0.66

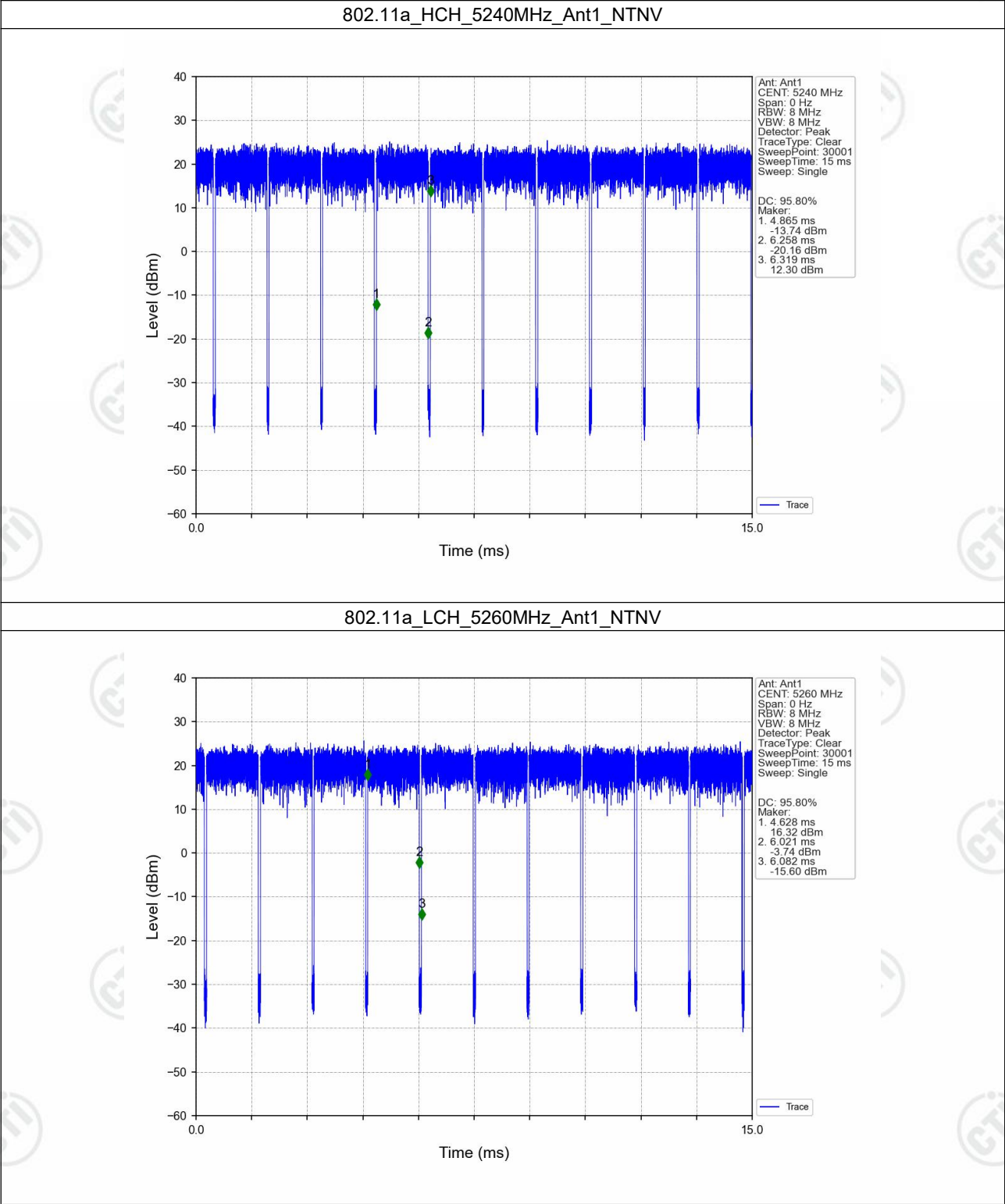
		5745	/	/	1.309	1.370	95.55	0.20	0.66
		5785	/	/	1.308	1.370	95.47	0.20	0.66
		5825	/	/	1.309	1.370	95.55	0.20	0.66
802.11n (HT40)	MIM O	5190	/	/	0.648	0.709	91.40	0.39	1.22
		5230	/	/	0.648	0.710	91.27	0.40	1.22
		5270	/	/	0.649	0.710	91.41	0.39	1.19
		5310	/	/	0.649	0.710	91.41	0.39	1.19
		5755	/	/	0.648	0.709	91.40	0.39	1.19
		5795	/	/	0.649	0.710	91.41	0.39	1.25
802.11a c (VHT20)	MIM O	5180	/	/	1.312	1.373	95.56	0.20	0.62
		5200	/	/	1.312	1.374	95.49	0.20	0.65
		5240	/	/	1.312	1.373	95.56	0.20	0.62
		5260	/	/	1.312	1.373	95.56	0.20	0.66
		5300	/	/	1.312	1.374	95.49	0.20	0.69
		5320	/	/	1.312	1.374	95.49	0.20	0.69
		5745	/	/	1.312	1.373	95.56	0.20	0.62
		5785	/	/	1.312	1.373	95.56	0.20	0.62
		5825	/	/	1.313	1.374	95.56	0.20	0.69
802.11a c (VHT40)	MIM O	5190	/	/	0.653	0.714	91.46	0.39	1.18
		5230	/	/	0.652	0.713	91.44	0.39	1.18
		5270	/	/	0.653	0.714	91.46	0.39	1.25
		5310	/	/	0.653	0.714	91.46	0.39	1.18
		5755	/	/	0.652	0.714	91.32	0.39	1.22
		5795	/	/	0.652	0.713	91.44	0.39	1.22
802.11a c (VHT80)	MIM O	5210	/	/	0.325	0.386	84.20	0.75	2.09
		5290	/	/	0.325	0.386	84.20	0.75	2.06
		5775	/	/	0.325	0.386	84.20	0.75	2.06
802.11a c (VHT16 0)	MIM O	5250	/	/	0.185	0.246	75.20	1.24	2.89
802.11a x (HEW20)	MIM O	5180	SU	/	0.310	0.372	83.33	0.79	2.09
		5200	SU	/	0.311	0.372	83.60	0.78	2.09
		5240	SU	/	0.311	0.372	83.60	0.78	2.17
		5260	SU	/	0.311	0.372	83.60	0.78	2.09
		5300	SU	/	0.311	0.372	83.60	0.78	2.12
		5320	SU	/	0.311	0.372	83.60	0.78	2.09
		5745	SU	/	0.311	0.372	83.60	0.78	2.12
		5785	SU	/	0.311	0.372	83.60	0.78	2.09
		5825	SU	/	0.310	0.372	83.33	0.79	2.12
802.11a x (HEW40)	MIM O	5190	SU	/	0.311	0.372	83.60	0.78	2.16
		5230	SU	/	0.310	0.372	83.33	0.79	2.13
		5270	SU	/	0.311	0.372	83.60	0.78	2.12
		5310	SU	/	0.310	0.372	83.33	0.79	2.13
		5755	SU	/	0.311	0.372	83.60	0.78	0.03
		5795	SU	/	0.311	0.363	85.67	0.67	0.07
802.11a x (HEW80)	MIM O	5210	SU	/	0.297	0.358	82.96	0.81	2.23
		5290	SU	/	0.297	0.359	82.73	0.82	2.20
		5775	SU	/	0.298	0.359	83.01	0.81	2.19
802.11a x (HEW16 0)	MIM O	5250	SU	/	0.299	0.360	83.06	0.81	0.07
802.11b	MIM	5180	SU	/	0.365	0.426	85.68	0.67	1.86

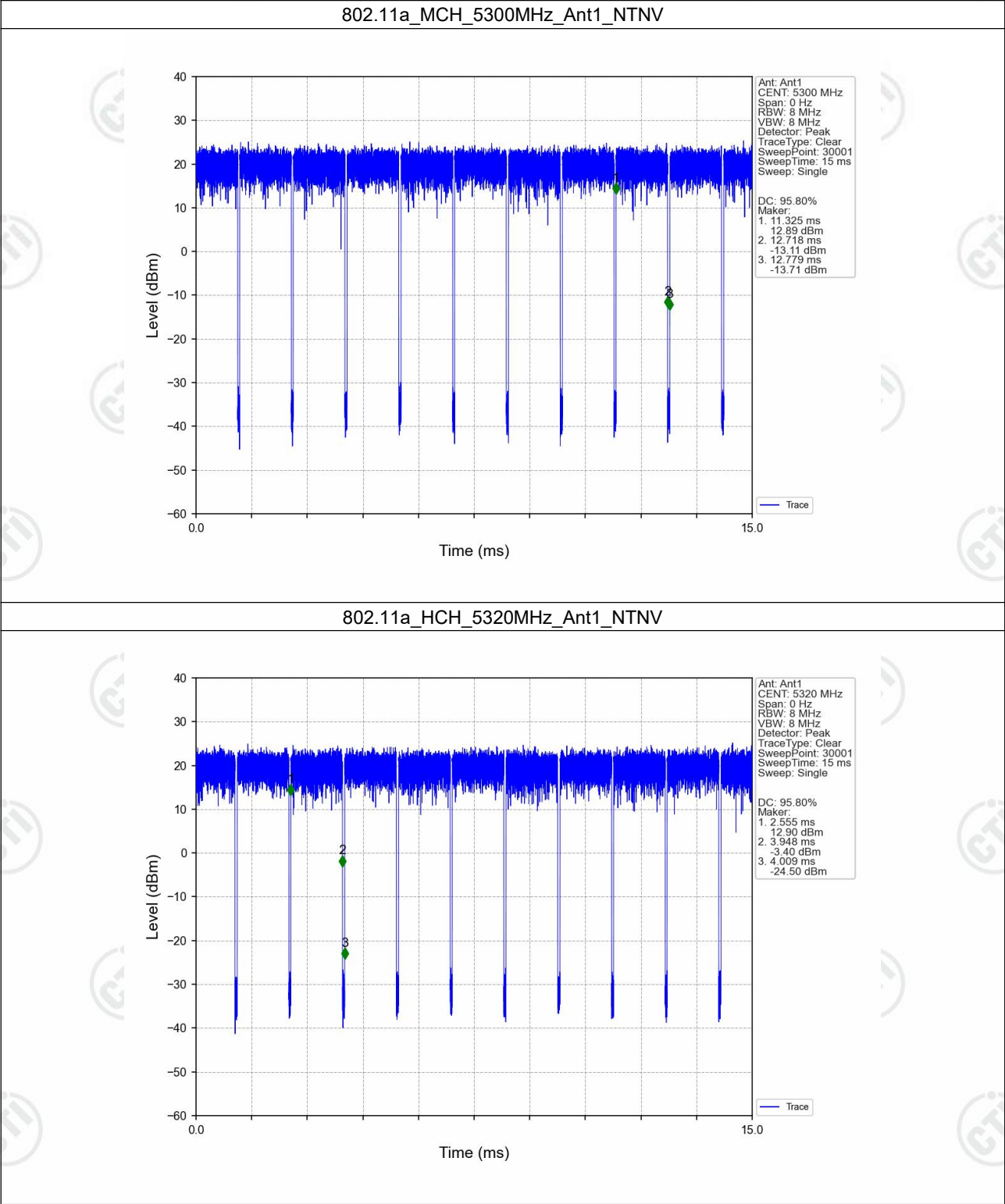
e (EHT20)	O	5200	SU	/	0.365	0.426	85.68	0.67	1.87
		5240	SU	/	0.365	0.426	85.68	0.67	1.90
		5260	SU	/	0.364	0.425	85.65	0.67	1.87
		5300	SU	/	0.364	0.425	85.65	0.67	1.90
		5320	SU	/	0.365	0.426	85.68	0.67	1.87
		5745	SU	/	0.365	0.426	85.68	0.67	1.87
		5785	SU	/	0.364	0.425	85.65	0.67	1.90
		5825	SU	/	0.364	0.425	85.65	0.67	1.90
802.11b e (EHT40)	MIM O	5190	SU	/	0.364	0.426	85.45	0.68	1.87
		5230	SU	/	0.365	0.426	85.68	0.67	1.87
		5270	SU	/	0.364	0.425	85.65	0.67	1.87
		5310	SU	/	0.364	0.426	85.45	0.68	1.87
		5755	SU	/	0.364	0.425	85.65	0.67	1.93
		5795	SU	/	0.364	0.426	85.45	0.68	1.93
802.11b e (EHT80)	MIM O	5210	SU	/	0.348	0.410	84.88	0.71	1.96
		5290	SU	/	0.349	0.410	85.12	0.70	1.93
		5775	SU	/	0.348	0.410	84.88	0.71	1.92
802.11b e (EHT16 0)	MIM O	5250	SU	/	0.353	0.414	85.27	0.69	1.94

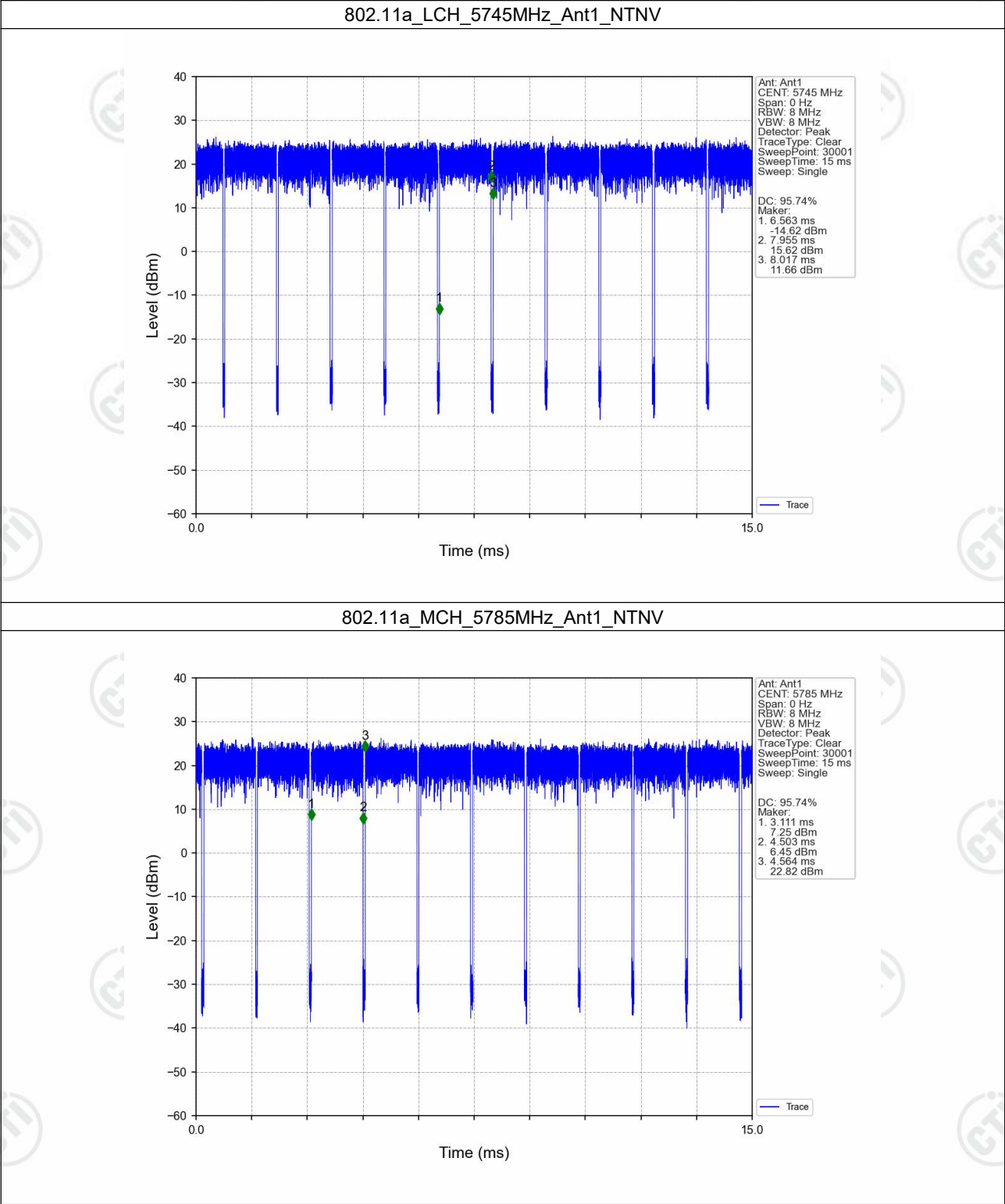
1.2 Test Graph

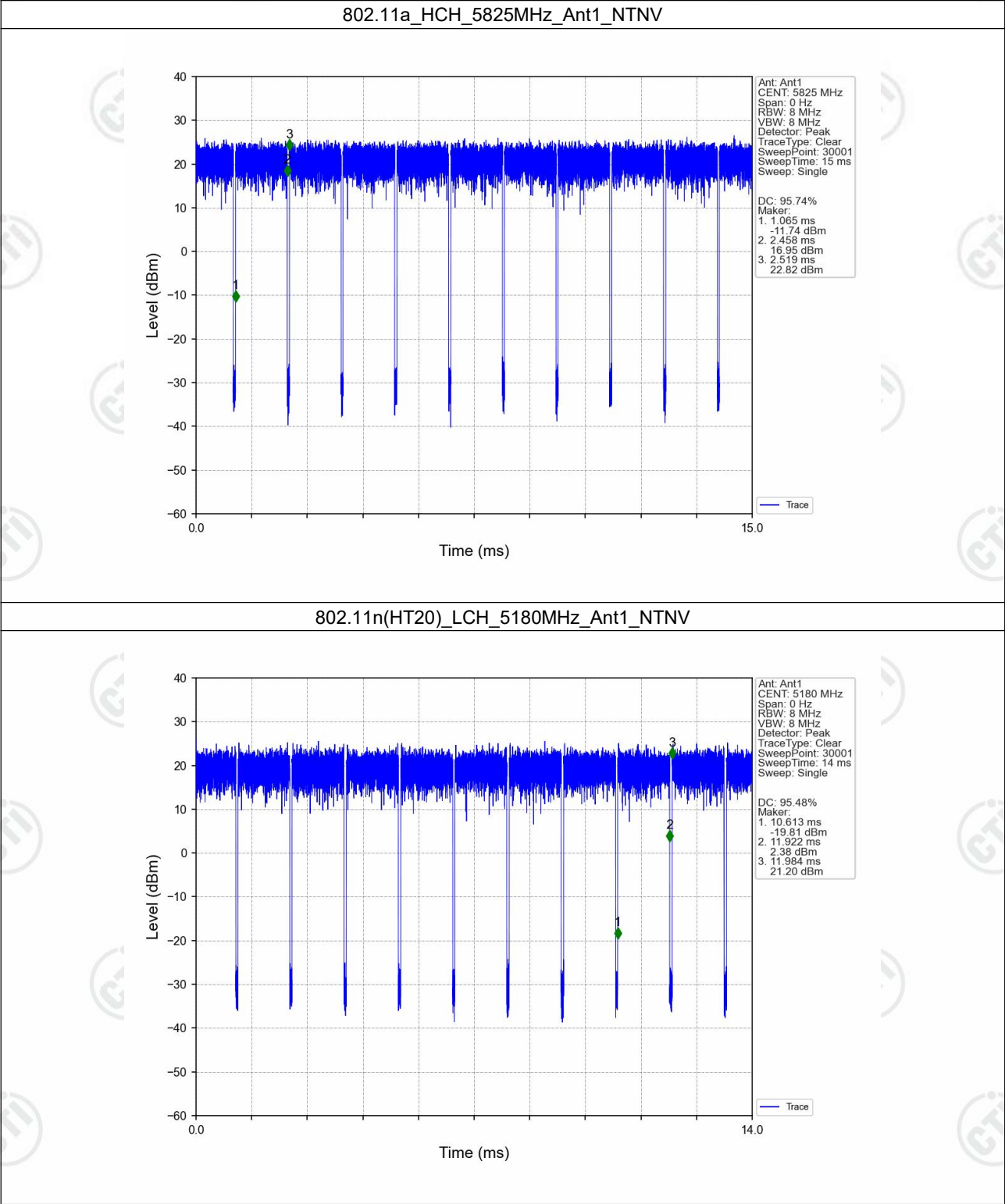
1.2.1 Ant1



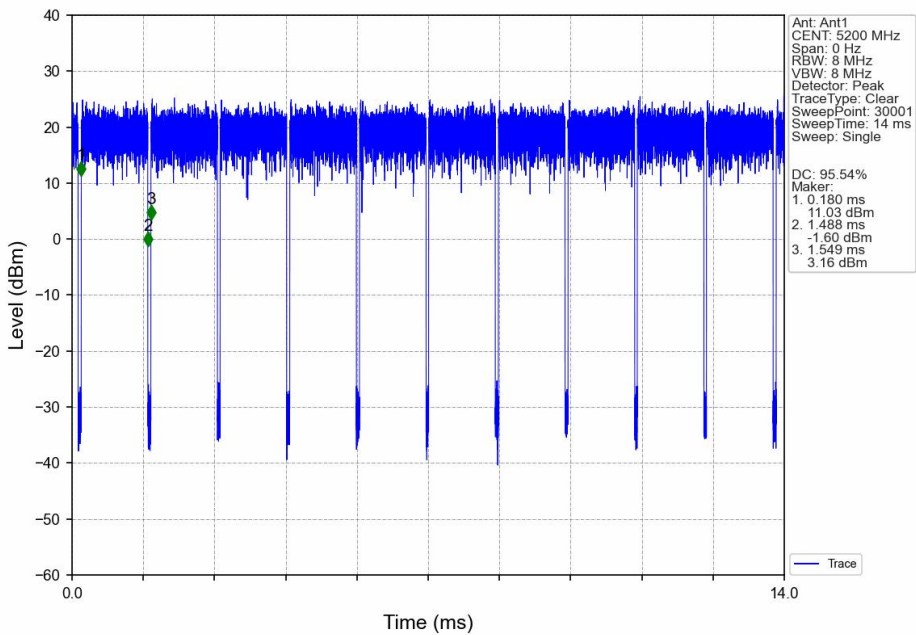




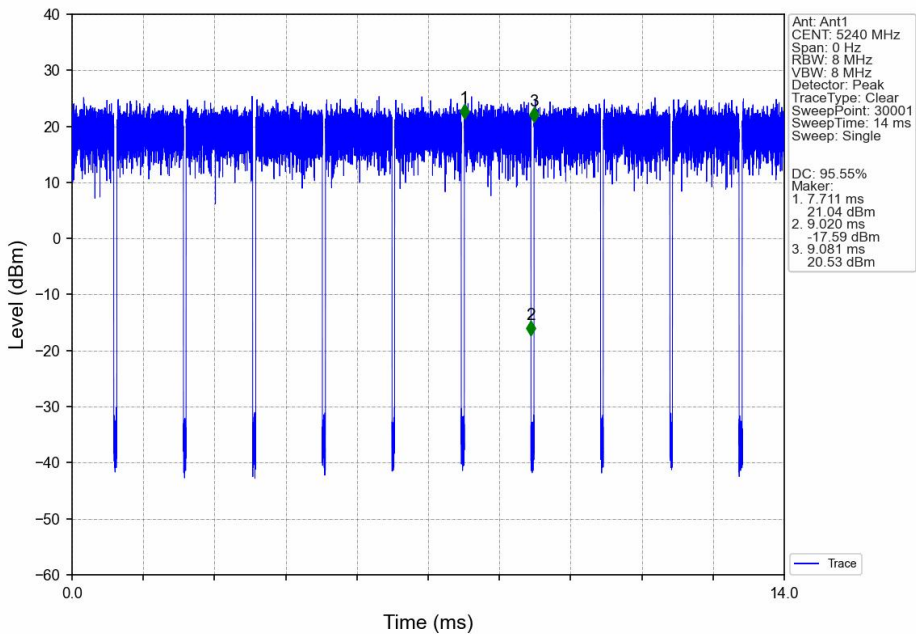


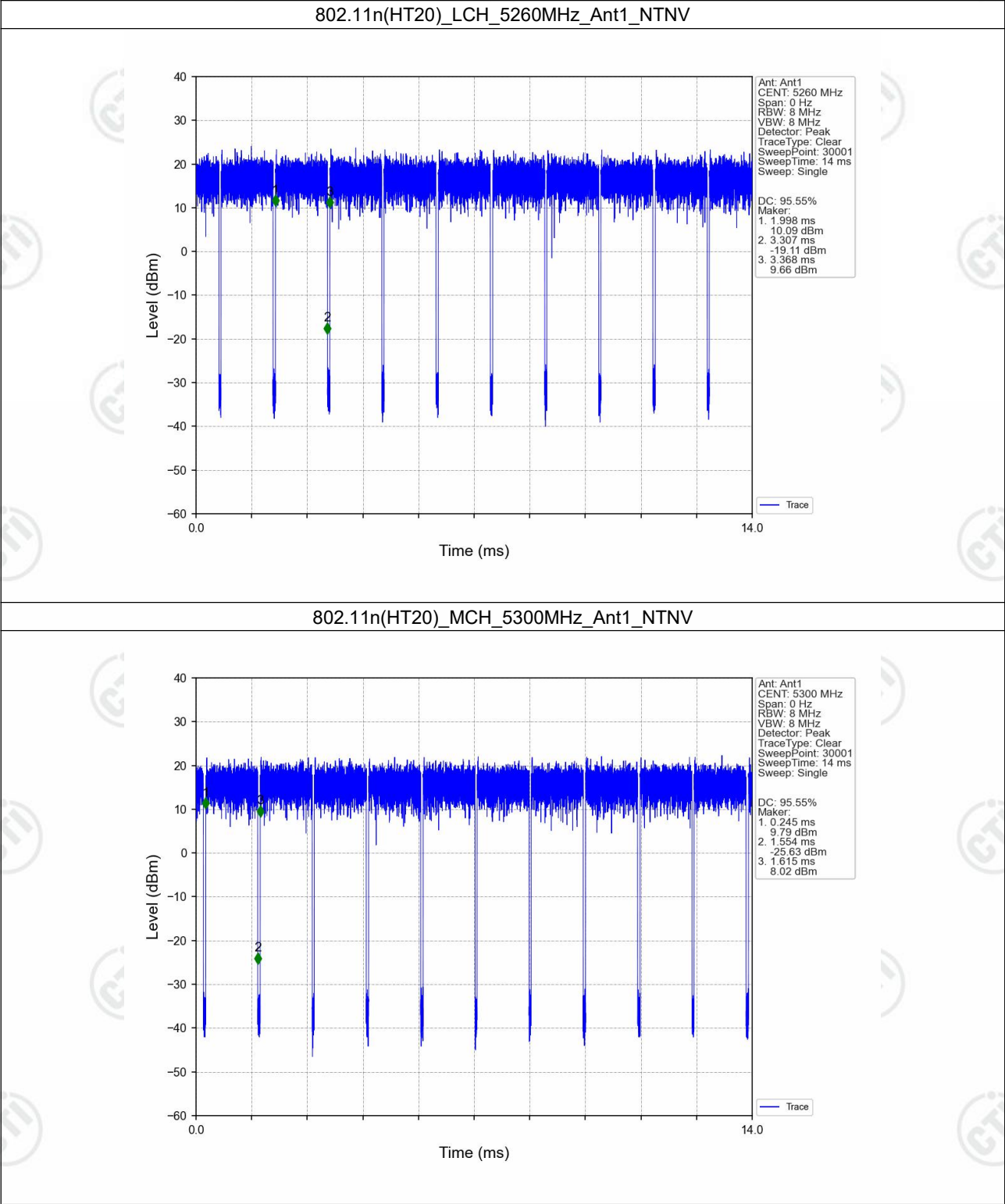


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

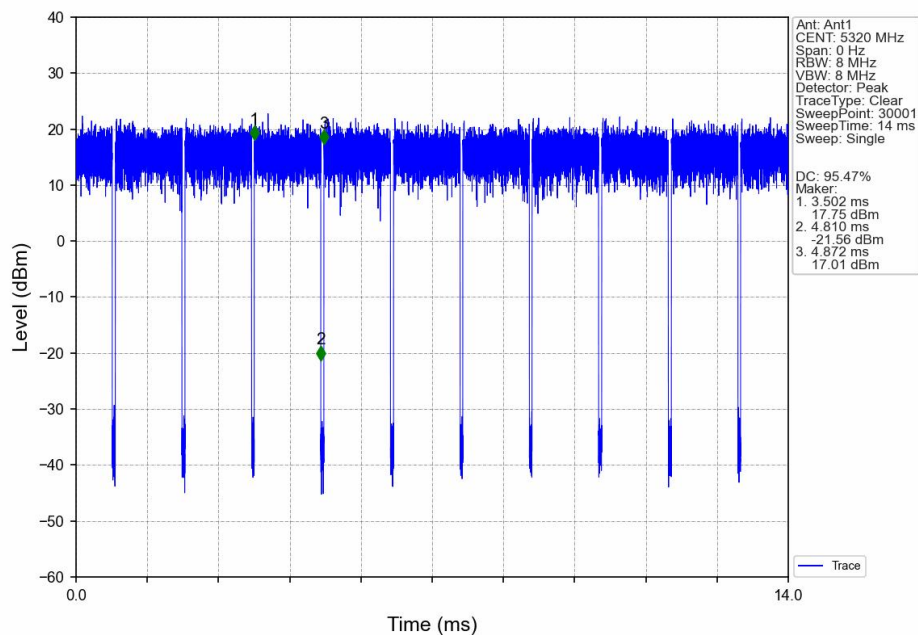


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV





802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

