

Appendix: 5G Wi-Fi

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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	/	/	2.086	2.135	97.70	0.10	0.10
		5200	/	/	2.085	2.134	97.70	0.10	0.10
		5240	/	/	2.085	2.133	97.75	0.10	0.07
		5745	/	/	2.085	2.133	97.75	0.10	0.10
		5785	/	/	2.085	2.134	97.70	0.10	0.14
		5825	/	/	2.084	2.133	97.70	0.10	0.10
802.11n (HT20)	MIMO	5180	/	/	7.890	7.940	99.37	0.03	0.03
		5200	/	/	7.893	7.943	99.37	0.03	0.03
		5240	/	/	7.904	7.954	99.37	0.03	0.04
		5745	/	/	7.891	7.940	99.38	0.03	0.03
		5785	/	/	7.904	7.954	99.37	0.03	0.04
		5825	/	/	7.894	7.943	99.38	0.03	0.03
802.11n (HT40)	MIMO	5190	/	/	7.896	7.949	99.33	0.03	0.03
		5230	/	/	7.897	7.946	99.38	0.03	0.07
		5755	/	/	7.910	7.960	99.37	0.03	0.04
		5795	/	/	7.896	7.946	99.37	0.03	0.03
802.11ac (VHT20)	MIMO	5180	/	/	7.843	7.893	99.37	0.03	0.04
		5200	/	/	7.856	7.906	99.37	0.03	0.04
		5240	/	/	7.844	7.894	99.37	0.03	0.04
		5745	/	/	7.843	7.893	99.37	0.03	0.04
		5785	/	/	7.857	7.907	99.37	0.03	0.04
		5825	/	/	7.844	7.894	99.37	0.03	0.04
802.11ac (VHT40)	MIMO	5190	/	/	7.856	7.910	99.32	0.03	0.04
		5230	/	/	7.857	7.907	99.37	0.03	0.04
		5755	/	/	7.844	7.893	99.38	0.03	0.04
		5795	/	/	7.843	7.893	99.37	0.03	0.04
802.11ac (VHT80)	MIMO	5210	/	/	7.863	7.915	99.34	0.03	0.03
		5775	/	/	7.877	7.927	99.37	0.03	0.04
802.11ax (HEW20)	MIMO	5180	SU	/	3.944	3.995	98.72	0.06	0.07
		5200	SU	/	3.942	3.991	98.77	0.05	0.04
		5240	SU	/	3.944	3.994	98.75	0.05	0.07
		5745	SU	/	3.949	3.999	98.75	0.05	0.07
		5785	SU	/	3.949	3.999	98.75	0.05	0.07
		5825	SU	/	3.942	3.991	98.77	0.05	0.04
802.11ax (HEW40)	MIMO	5190	SU	/	3.942	3.995	98.67	0.06	0.04
		5230	SU	/	3.942	3.991	98.77	0.05	0.04
		5755	SU	/	3.942	3.991	98.77	0.05	0.04
		5795	SU	/	3.942	3.991	98.77	0.05	0.04
802.11ax (HEW80)	MIMO	5210	SU	/	3.963	4.018	98.63	0.06	0.11
		5775	SU	/	3.956	4.005	98.78	0.05	0.03

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	SISO	5180	/	/	2.085	2.134	97.70	0.10	0.10
		5200	/	/	2.085	2.134	97.70	0.10	0.10
		5240	/	/	2.085	2.133	97.75	0.10	0.03
		5745	/	/	2.086	2.134	97.75	0.10	0.07
		5785	/	/	2.086	2.134	97.75	0.10	0.07
		5825	/	/	2.085	2.134	97.70	0.10	0.14
802.11n (HT20)	MIMO	5180	/	/	7.891	7.941	99.37	0.03	0.03
		5200	/	/	7.891	7.941	99.37	0.03	0.03
		5240	/	/	7.904	7.954	99.37	0.03	0.04
		5745	/	/	7.890	7.940	99.37	0.03	0.03
		5785	/	/	7.903	7.953	99.37	0.03	0.04
		5825	/	/	7.893	7.943	99.37	0.03	0.03
802.11n (HT40)	MIMO	5190	/	/	7.897	7.949	99.35	0.03	0.03
		5230	/	/	7.896	7.946	99.37	0.03	0.03
		5755	/	/	7.910	7.960	99.37	0.03	0.04
		5795	/	/	7.910	7.960	99.37	0.03	0.04
802.11ac (VHT20)	MIMO	5180	/	/	7.844	7.894	99.37	0.03	0.04
		5200	/	/	7.856	7.906	99.37	0.03	0.04
		5240	/	/	7.857	7.907	99.37	0.03	0.04
		5745	/	/	7.844	7.894	99.37	0.03	0.04
		5785	/	/	7.857	7.907	99.37	0.03	0.04
		5825	/	/	7.857	7.907	99.37	0.03	0.00
802.11ac (VHT40)	MIMO	5190	/	/	7.844	7.896	99.34	0.03	0.04
		5230	/	/	7.844	7.893	99.38	0.03	0.04
		5755	/	/	7.844	7.894	99.37	0.03	0.04
		5795	/	/	7.844	7.894	99.37	0.03	0.04
802.11ac (VHT80)	MIMO	5210	/	/	7.862	7.915	99.33	0.03	0.03
		5775	/	/	7.863	7.913	99.37	0.03	0.03
802.11ax (HEW20)	MIMO	5180	SU	/	3.944	3.993	98.77	0.05	0.03
		5200	SU	/	3.942	3.991	98.77	0.05	0.04
		5240	SU	/	3.943	3.992	98.77	0.05	0.04
		5745	SU	/	3.942	3.991	98.77	0.05	0.04
		5785	SU	/	3.942	3.991	98.77	0.05	0.07
		5825	SU	/	3.942	3.992	98.75	0.05	0.07
802.11ax (HEW40)	MIMO	5190	SU	/	3.942	3.996	98.65	0.06	0.07
		5230	SU	/	3.942	3.991	98.77	0.05	0.04
		5755	SU	/	3.942	3.991	98.77	0.05	0.04
		5795	SU	/	3.942	3.991	98.77	0.05	0.04
802.11ax (HEW80)	MIMO	5210	SU	/	3.956	4.009	98.68	0.06	0.03
		5775	SU	/	3.956	4.005	98.78	0.05	0.03

1.2 Test Graph

1.2.1 Ant1



























