

Appendix: 5G Wi-Fi

Contents

1. Duty Cycle	4
1.1 Test Result	4
1.1.1 Ant1	4
1.2 Test Graph	6
1.2.1 Ant1	6
2. Bandwidth	44
2.1 Test Result	44
2.1.1 OBW	44
2.1.2 26dB BW	45
2.1.3 6dB BW	46
2.2 Test Graph	48
2.2.1 OBW	48
2.2.2 26dB BW	86
2.2.3 6dB BW	115
3. Maximum Conducted Output Power	124
3.1 Test Result	124
3.1.1 Power	124
3.2 Test Graph	126
3.2.1 Power	126
4. Maximum Power Spectral Density	164
4.1 Test Result	164
4.1.1 PSD	164
4.1.2 PSD-Band3	165
4.2 Test Graph	166

4.2.1 PSD 166

4.2.2 PSD-Band3 195

5. Frequency Stability 204

5.1 Test Result 204

5.1.1 Ant1 204

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant1				
					T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.397	1.567	89.15	0.50	3.17
		5200	/	/	1.397	1.669	83.70	0.77	8.61
		5240	/	/	1.397	1.635	85.44	0.68	5.49
		5260	/	/	1.396	1.576	88.58	0.53	3.69
		5300	/	/	1.399	1.634	85.62	0.67	6.62
		5320	/	/	1.399	1.607	87.06	0.60	5.14
		5500	/	/	1.396	1.634	85.43	0.68	6.61
		5580	/	/	1.397	1.558	89.67	0.47	2.66
		5700	/	/	1.399	1.559	89.74	0.47	2.70
		5745	/	/	1.396	1.567	89.09	0.50	3.21
		5785	/	/	1.397	1.577	88.59	0.53	3.75
		5825	/	/	1.396	1.634	85.43	0.68	6.61
802.11n (HT20)	SISO	5180	/	/	5.090	5.299	96.06	0.17	1.69
		5200	/	/	5.090	5.448	93.43	0.30	4.29
		5240	/	/	5.090	5.260	96.77	0.14	1.04
		5260	/	/	5.090	5.391	94.42	0.25	3.40
		5300	/	/	5.092	5.241	97.16	0.13	0.66
		5320	/	/	5.091	5.317	95.75	0.19	1.99
		5500	/	/	5.091	5.259	96.81	0.14	1.01
		5580	/	/	5.091	5.259	96.81	0.14	1.01
		5700	/	/	5.091	5.270	96.60	0.15	1.21
		5745	/	/	5.091	5.268	96.64	0.15	1.18
		5785	/	/	5.091	5.259	96.81	0.14	1.01
		5825	/	/	5.091	5.240	97.16	0.13	0.66
802.11n (HT40)	SISO	5190	/	/	4.846	5.063	95.71	0.19	1.91
		5230	/	/	4.851	5.015	96.73	0.14	1.09
		5270	/	/	4.846	4.979	97.33	0.12	0.39
		5310	/	/	4.845	5.024	96.44	0.16	1.26
		5510	/	/	4.846	5.006	96.80	0.14	0.91
		5550	/	/	4.846	5.015	96.63	0.15	1.09
		5670	/	/	4.846	4.970	97.51	0.11	0.20
		5755	/	/	4.846	5.083	95.34	0.21	2.30
802.11ac (VHT20)	SISO	5795	/	/	4.846	5.063	95.71	0.19	1.38
		5180	/	/	5.098	5.326	95.72	0.19	1.99
		5200	/	/	5.097	5.340	95.45	0.20	2.36
		5240	/	/	5.098	5.249	97.12	0.13	0.70
		5260	/	/	5.098	5.314	95.94	0.18	1.79
		5300	/	/	5.096	5.275	96.61	0.15	1.21
		5320	/	/	5.103	5.249	97.22	0.12	0.70
		5500	/	/	5.098	5.307	96.06	0.17	1.65
		5580	/	/	5.098	5.307	96.06	0.17	1.69
		5700	/	/	5.114	5.333	95.89	0.18	1.29
		5745	/	/	5.098	5.335	95.56	0.20	0.17
		5785	/	/	5.098	5.277	96.61	0.15	1.21
5825	/	/	5.098	5.268	96.77	0.14	1.04		
802.11ac (VHT40)	SISO	5190	/	/	4.869	5.173	94.12	0.26	3.82
		5230	/	/	4.852	5.088	95.36	0.21	2.25

		5270	/	/	4.853	5.022	96.63	0.15	1.09
		5310	/	/	4.853	5.004	96.98	0.13	0.74
		5510	/	/	4.853	5.071	95.70	0.19	1.38
		5550	/	/	4.855	5.081	95.55	0.20	2.08
		5670	/	/	4.853	5.089	95.36	0.21	1.37
		5755	/	/	4.852	5.031	96.44	0.16	1.26
		5795	/	/	4.855	5.080	95.57	0.20	2.04
802.11ax (HEW20)	SISO	5180	SU	/	3.876	4.088	94.81	0.23	2.20
		5200	SU	/	3.878	4.049	95.78	0.19	1.31
		5240	SU	/	3.878	4.039	96.01	0.18	1.08
		5260	SU	/	3.877	4.105	94.45	0.25	2.31
		5300	SU	/	3.877	4.115	94.22	0.26	2.77
		5320	SU	/	3.878	4.116	94.22	0.26	2.53
		5500	SU	/	3.878	4.098	94.63	0.24	2.35
		5580	SU	/	3.878	4.106	94.45	0.25	2.56
		5700	SU	/	3.877	4.096	94.65	0.24	2.36
		5745	SU	/	3.878	4.031	96.20	0.17	0.91
		5785	SU	/	3.877	4.038	96.01	0.18	1.08
802.11ax (HEW40)	SISO	5825	SU	/	3.876	4.088	94.81	0.23	1.92
		5190	SU	/	3.852	4.163	92.53	0.34	5.02
		5230	SU	/	3.832	4.011	95.54	0.20	1.56
		5270	SU	/	3.832	4.041	94.83	0.23	2.22
		5310	SU	/	3.832	3.966	96.62	0.15	0.48
		5510	SU	/	3.832	4.003	95.73	0.19	1.36
		5550	SU	/	3.850	3.976	96.83	0.14	0.69
		5670	SU	/	3.831	3.992	95.97	0.18	1.09
		5755	SU	/	3.832	3.956	96.87	0.14	0.24
		5795	SU	/	3.832	4.002	95.75	0.19	1.36

1.2 Test Graph

1.2.1 Ant1



















