

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01-A05 Rev. A/0 Aug 16,2024

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.13	15.15	15.03	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.09	15.08	15.07	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.13	15.09	15.07	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.19	15.07	15.10	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	15.06	15.10	15.03	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	15.09	15.14	15.19	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	15.18	15.14	15.09	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	15.10	15.19	15.11	16.20



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N78 PC3 DS13				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.56	/	14.70
		1	137	/	13.59	/	14.70
		1	271	/	13.53	/	14.70
		135	0	/	13.23	/	14.20
		135	69	/	13.74	/	14.70
		135	138	/	13.20	/	14.20
		270	0	/	13.15	/	14.20
	DFT-s-OFDM QPSK	1	1	/	13.55	/	14.70
		1	137	/	13.47	/	14.70
		1	271	/	13.53	/	14.70
		135	0	/	12.74	/	13.70
		135	69	/	13.67	/	14.70
		135	138	/	12.70	/	13.70
		270	0	/	12.69	/	13.70
	DFT-s-OFDM 16QAM	1	1	/	12.67	/	13.70
	DFT-s-OFDM 64QAM	1	1	/	11.19	/	12.20
	DFT-s-OFDM 256QAM	1	1	/	9.26	/	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.22	/	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.55	13.68	13.61	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.60	13.67	13.61	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.55	13.66	13.58	14.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.60	13.63	13.57	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.60	13.67	13.59	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.64	13.71	13.56	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.54	13.65	13.57	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.67	13.68	13.59	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.59	13.66	13.62	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.62	13.65	13.62	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.62	13.66	13.54	14.70



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N78 PC3 DSI4/5/8/9/10				Conducted Power(dBm)				
SCS 30kHz(3700~3800)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	650000	/		
				/	3750.00	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.58	/	17.70	
		1	137	/	16.48	/	17.70	
		1	271	/	16.48	/	17.70	
		135	0	/	16.21	/	17.20	
		135	69	/	16.75	/	17.70	
		135	138	/	16.19	/	17.20	
		270	0	/	16.07	/	17.20	
	DFT-s-OFDM QPSK	1	1	/	16.58	/	17.70	
		1	137	/	16.56	/	17.70	
		1	271	/	16.54	/	17.70	
		135	0	/	15.80	/	16.70	
		135	69	/	16.71	/	17.70	
		135	138	/	15.71	/	16.70	
		270	0	/	15.67	/	16.70	
	DFT-s-OFDM 16QAM	1	1	/	15.74	/	16.70	
	DFT-s-OFDM 64QAM	1	1	/	14.20	/	15.20	
	DFT-s-OFDM 256QAM	1	1	/	12.32	/	13.20	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	650000	/	
	100MHz	CP-OFDM QPSK	1	1	/	15.30	/	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				649668	650000	650334		
90MHz	DFT-s-OFDM QPSK	1	1	16.57	16.62	16.67	17.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				649334	650000	650668		
80MHz	DFT-s-OFDM QPSK	1	1	16.63	16.64	16.57	17.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				649000	650000	651000		
70MHz	DFT-s-OFDM QPSK	1	1	16.67	16.66	16.59	17.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	16.68	16.61	16.58	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	16.59	16.61	16.65	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	16.63	16.67	16.65	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	16.63	16.63	16.63	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	16.62	16.67	16.64	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	16.57	16.66	16.62	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	16.56	16.67	16.58	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	16.66	16.64	16.59	17.70



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8.5 Conducted Power of NR NSA Antenna (Ant31)

N5 DSI2/3/4/5/8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.31	20.27	20.25	21.50
		1	53	20.40	20.42	20.42	21.50
		1	104	20.47	20.48	20.44	21.50
		50	0	20.00	19.99	19.92	21.00
		50	28	20.45	20.53	20.49	21.50
		50	56	19.99	20.08	20.04	21.00
		100	0	20.02	20.08	20.05	21.00
	DFT-s-OFDM QPSK	1	1	20.28	20.30	20.29	21.50
		1	53	20.44	20.41	20.43	21.50
		1	104	20.47	20.38	20.42	21.50
		50	0	19.54	19.47	19.54	20.50
		50	28	20.47	20.49	20.49	21.50
		50	56	19.49	19.47	19.49	20.50
		100	0	19.53	19.55	19.56	20.50
	DFT-s-OFDM 16QAM	1	1	19.48	19.50	19.47	20.50
	DFT-s-OFDM 64QAM	1	1	18.06	18.09	18.11	19.00
	DFT-s-OFDM 256QAM	1	1	16.04	16.10	16.11	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	19.03	19.10	19.17	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.29	20.22	20.32	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.30	20.22	20.22	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.22	20.23	20.29	21.50



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NR N26 DSI2/3/4/5/8/9/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.54	20.58	20.56	21.70
		1	53	20.59	20.60	20.59	21.70
		1	104	20.59	20.54	20.56	21.70
		50	0	20.11	20.17	20.15	21.20
		50	28	20.67	20.62	20.64	21.70
		50	56	20.13	20.09	20.14	21.20
		100	0	20.13	20.15	20.11	21.20
	DFT-s-OFDM QPSK	1	1	20.55	20.54	20.52	21.70
		1	53	20.58	20.61	20.56	21.70
		1	104	20.56	20.56	20.54	21.70
		50	0	19.59	19.59	19.66	20.70
		50	28	20.62	20.64	20.59	21.70
		50	56	19.61	19.60	19.66	20.70
		100	0	19.68	19.68	19.64	20.70
	DFT-s-OFDM 16QAM	1	1	19.66	19.68	19.69	20.70
	DFT-s-OFDM 64QAM	1	1	18.42	18.36	18.43	19.20
	DFT-s-OFDM 256QAM	1	1	16.23	16.23	16.21	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	18.24	18.31	18.35	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.61	20.54	20.58	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.55	20.59	20.54	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.47	20.54	20.52	21.70



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9 Conducted Power of WIFI and Bluetooth

9.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant22 Level1					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.33	15.00
	6	2437		15.54	17.00
	11	2462		10.43	11.50
802.11g	1	2412	6	13.14	15.00
	6	2437		15.42	17.00
	11	2462		10.24	11.50
802.11n HT20	1	2412	6.5	13.13	15.00
	6	2437		15.41	17.00
	11	2462		10.26	11.50
802.11n HT40	3	2422	13.5	11.02	12.50
	6	2437		15.34	17.00
	9	2452		7.66	9.00
802.11ac VHT20	1	2412	MCS0	13.29	15.00
	6	2437		15.42	17.00
	11	2462		10.35	11.50
802.11ac VHT40	3	2422	MCS0	11.11	12.50
	6	2437		15.38	17.00
	9	2452		7.63	9.00

WIFI 2.4G Ant22 Level2					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.38	15.00
	6	2437		14.63	16.00
	11	2462		10.49	11.50
802.11g	1	2412	6	13.16	15.00
	6	2437		14.50	16.00
	11	2462		10.31	11.50
802.11n HT20	1	2412	6.5	13.21	15.00
	6	2437		14.50	16.00
	11	2462		10.34	11.50
802.11n HT40	3	2422	13.5	11.07	12.50
	6	2437		14.36	16.00
	9	2452		7.74	9.00



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802.11ac VHT20	1	2412	MCS0	13.38	15.00
	6	2437		14.46	16.00
	11	2462		10.40	11.50
802.11ac VHT40	3	2422	MCS0	11.12	12.50
	6	2437		14.44	16.00
	9	2452		7.66	9.00

WIFI 2.4G Ant22 Level3&4					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.38	15.00
	6	2437		19.13	19.50
	11	2462		10.52	11.50
802.11g	1	2412	6	13.19	15.00
	6	2437		18.49	19.00
	11	2462		10.29	11.50
802.11n HT20	1	2412	6.5	13.17	15.00
	6	2437		17.45	18.00
	11	2462		10.33	11.50
802.11n HT40	3	2422	13.5	11.04	12.50
	6	2437		17.42	18.00
	9	2452		7.73	9.00
802.11ac VHT20	1	2412	MCS0	13.32	15.00
	6	2437		17.43	18.00
	11	2462		10.40	11.50
802.11ac VHT40	3	2422	MCS0	11.19	12.50
	6	2437		17.42	18.00
	9	2452		7.71	9.00



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9.2 Conducted Power of 5G WIFI

WIFI 5G Ant22 Level1					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.09	17.50
		40	5200	16.12	17.50
		44	5220	16.09	17.50
		48	5240	16.13	17.50
	802.11n HT20	36	5180	16.13	17.50
		40	5200	16.10	17.50
		44	5220	16.17	17.50
		48	5240	16.10	17.50
	802.11n HT40	38	5190	14.56	16.00
		46	5230	16.06	17.50
	802.11ac VHT20	36	5180	16.17	17.50
		40	5200	16.05	17.50
		44	5220	16.20	17.50
		48	5240	16.18	17.50
	802.11ac VHT40	38	5190	14.57	16.00
		46	5230	16.02	17.50
	802.11ac VHT80	42	5210	13.02	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.11	17.50
		56	5280	16.15	17.50
		60	5300	16.17	17.50
		64	5320	14.53	16.00
	802.11n HT20	52	5260	16.20	17.50
		56	5280	16.18	17.50
		60	5300	16.13	17.50
		64	5320	14.45	16.00
	802.11n HT40	54	5270	16.02	17.50
		62	5310	12.36	14.00
	802.11ac VHT20	52	5260	16.15	17.50
		56	5280	16.03	17.50
		60	5300	16.10	17.50
		64	5320	16.16	16.00
	802.11ac VHT40	54	5270	16.10	17.50
		62	5310	12.30	14.00

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	802.11ac VHT80	58	5290	10.44	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	11.16	13.00
		104	5520	16.09	17.50
		108	5540	15.88	17.50
		112	5560	15.98	17.50
		116	5580	15.95	17.50
		120	5600	16.04	17.50
		124	5620	16.03	17.50
		128	5640	16.08	17.50
		132	5660	16.21	17.50
		136	5680	16.14	17.50
		140	5700	11.10	12.50
		144	5720	10.94	12.50
	802.11n HT20	100	5500	11.09	13.00
		104	5520	15.83	17.50
		108	5540	15.74	17.50
		112	5560	15.78	17.50
		116	5580	15.74	17.50
		120	5600	15.85	17.50
		124	5620	15.97	17.50
		128	5640	15.93	17.50
		132	5660	16.05	17.50
		136	5680	16.13	17.50
		140	5700	10.85	12.50
		144	5720	10.83	12.50
	802.11n HT40	102	5510	9.54	11.50
		110	5550	16.18	17.50
		118	5590	16.03	17.50
		126	5630	16.02	17.50
		134	5670	9.69	11.50
		142	5710	9.77	11.50
	802.11ac VHT20	100	5500	11.06	13.00
		104	5520	15.86	17.50
		108	5540	15.77	17.50
		112	5560	15.82	17.50
		116	5580	15.76	17.50
		120	5600	15.87	17.50
		124	5620	16.00	17.50
		128	5640	16.06	17.50



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		132	5660	16.05	17.50
		136	5680	16.17	17.50
		140	5700	10.90	12.50
		144	5720	10.86	12.50
	802.11ac VHT40	102	5510	9.62	11.50
		110	5550	16.23	17.50
		118	5590	16.04	17.50
		126	5630	16.07	17.50
		134	5670	9.72	11.50
		142	5710	9.80	11.50
	802.11ac VHT80	106	5530	8.62	11.00
		122	5610	8.77	11.00
		138	5690	8.96	11.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	17.03	18.50
		153	5765	17.08	18.50
		157	5785	17.12	18.50
		161	5805	17.13	18.50
		165	5825	17.09	18.50
	802.11n HT20	149	5745	17.06	18.50
		153	5765	17.10	18.50
		157	5785	17.13	18.50
		161	5805	17.14	18.50
		165	5825	17.10	18.50
	802.11n HT40	151	5755	17.07	18.50
		159	5795	17.07	18.50
	802.11ac VHT20	149	5745	17.09	18.50
		153	5765	17.06	18.50
		157	5785	17.14	18.50
		161	5805	17.17	18.50
		165	5825	17.11	18.50
	802.11ac VHT40	151	5755	17.08	18.50
		159	5795	17.06	18.50
	802.11ac VHT80	155	5775	17.10	18.50



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WIFI 5G Ant22 Level2					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.15	14.00
		40	5200	12.17	14.00
		44	5220	12.16	14.00
		48	5240	12.18	14.00
	802.11n HT20	36	5180	12.18	14.00
		40	5200	12.12	14.00
		44	5220	12.21	14.00
		48	5240	12.12	14.00
	802.11n HT40	38	5190	11.64	13.50
		46	5230	12.10	14.00
	802.11ac VHT20	36	5180	12.19	14.00
		40	5200	12.10	14.00
		44	5220	12.27	14.00
		48	5240	12.25	14.00
	802.11ac VHT40	38	5190	12.07	14.00
		46	5230	12.04	14.00
	802.11ac VHT80	42	5210	11.52	14.00
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz U-NII-2A	802.11a	52	5260	12.15	14.00
		56	5280	12.23	14.00
		60	5300	12.22	14.00
		64	5320	12.03	14.00
	802.11n HT20	52	5260	12.25	14.00
		56	5280	12.25	14.00
		60	5300	12.20	14.00
		64	5320	13.62	14.00
	802.11n HT40	54	5270	12.09	14.00
		62	5310	11.91	14.00
	802.11ac VHT20	52	5260	12.18	14.00
		56	5280	12.03	14.00
		60	5300	12.11	14.00
		64	5320	13.68	14.00
	802.11ac VHT40	54	5270	12.14	14.00
		62	5310	11.85	14.00



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	802.11ac VHT80	58	5290	9.99	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	10.67	13.00
		104	5520	12.12	14.00
		108	5540	11.96	14.00
		112	5560	11.98	14.00
		116	5580	12.00	14.00
		120	5600	12.05	14.00
		124	5620	12.05	14.00
		128	5640	12.16	14.00
		132	5660	12.22	14.00
		136	5680	12.15	14.00
		140	5700	10.62	12.50
		144	5720	10.51	12.50
	802.11n HT20	100	5500	10.67	13.00
		104	5520	11.91	14.00
		108	5540	11.79	14.00
		112	5560	11.80	14.00
		116	5580	11.77	14.00
		120	5600	11.93	14.00
		124	5620	12.05	14.00
		128	5640	11.95	14.00
		132	5660	12.08	14.00
		136	5680	12.19	14.00
		140	5700	10.40	12.50
		144	5720	10.35	12.50
	802.11n HT40	102	5510	9.08	11.50
		110	5550	12.22	14.00
		118	5590	12.05	14.00
		126	5630	12.05	14.00
		134	5670	9.27	11.50
		142	5710	9.35	11.50
	802.11ac VHT20	100	5500	10.56	13.00
		104	5520	11.87	14.00
		108	5540	11.81	14.00
		112	5560	11.83	14.00
		116	5580	11.83	14.00
		120	5600	11.95	14.00
		124	5620	12.05	14.00
		128	5640	12.11	14.00



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		132	5660	12.07	14.00
		136	5680	12.20	14.00
		140	5700	10.44	12.50
		144	5720	10.37	12.50
	802.11ac VHT40	102	5510	9.18	11.50
		110	5550	12.27	14.00
		118	5590	12.12	14.00
		126	5630	12.14	14.00
		134	5670	9.24	11.50
		142	5710	9.35	11.50
	802.11ac VHT80	106	5530	8.20	11.00
		122	5610	8.34	11.00
		138	5690	8.54	11.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	13.04	15.00
		153	5765	13.13	15.00
		157	5785	13.15	15.00
		161	5805	13.14	15.00
		165	5825	13.09	15.00
	802.11n HT20	149	5745	13.10	15.00
		153	5765	13.14	15.00
		157	5785	13.14	15.00
		161	5805	13.19	15.00
		165	5825	13.17	15.00
	802.11n HT40	151	5755	13.08	15.00
		159	5795	13.09	15.00
	802.11ac VHT20	149	5745	13.17	15.00
		153	5765	13.06	15.00
		157	5785	13.16	15.00
		161	5805	13.25	15.00
		165	5825	13.14	15.00
	802.11ac VHT40	151	5755	13.09	15.00
		159	5795	13.07	15.00
	802.11ac VHT80	155	5775	13.07	15.00



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WIFI 5G Ant22 Level3					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.15	18.00
		40	5200	18.16	20.00
		44	5220	18.14	20.00
		48	5240	18.21	20.00
	802.11n HT20	36	5180	16.19	18.00
		40	5200	17.64	19.50
		44	5220	17.70	19.50
		48	5240	17.60	19.50
	802.11n HT40	38	5190	14.07	16.00
		46	5230	17.58	19.50
	802.11ac VHT20	36	5180	16.17	18.00
		40	5200	17.13	19.00
		44	5220	17.20	19.00
		48	5240	17.24	19.00
	802.11ac VHT40	38	5190	14.13	16.00
		46	5230	17.03	19.00
	802.11ac VHT80	42	5210	12.53	15.00
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz U-NII-2A	802.11a	52	5260	18.19	20.00
		56	5280	18.23	20.00
		60	5300	18.24	20.00
		64	5320	14.11	16.00
	802.11n HT20	52	5260	17.77	19.50
		56	5280	17.73	19.50
		60	5300	17.66	19.50
		64	5320	15.60	16.00
	802.11n HT40	54	5270	17.57	19.50
		62	5310	11.88	14.00
	802.11ac VHT20	52	5260	17.16	19.00
		56	5280	17.03	19.00
		60	5300	17.15	19.00
		64	5320	15.70	16.00
	802.11ac VHT40	54	5270	17.13	19.00
		62	5310	11.85	14.00



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	802.11ac VHT80	58	5290	9.95	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	10.66	13.00
		104	5520	18.10	20.00
		108	5540	18.03	20.00
		112	5560	18.01	20.00
		116	5580	18.02	20.00
		120	5600	18.08	20.00
		124	5620	18.03	20.00
		128	5640	18.08	20.00
		132	5660	18.29	20.00
		136	5680	18.21	20.00
		140	5700	10.64	12.50
		144	5720	10.52	12.50
	802.11n HT20	100	5500	10.63	13.00
		104	5520	17.41	19.50
		108	5540	17.29	19.50
		112	5560	17.31	19.50
		116	5580	17.27	19.50
		120	5600	17.37	19.50
		124	5620	17.53	19.50
		128	5640	17.43	19.50
		132	5660	17.63	19.50
		136	5680	17.66	19.50
		140	5700	10.39	12.50
		144	5720	10.35	12.50
	802.11n HT40	102	5510	9.12	11.50
		110	5550	17.75	19.50
		118	5590	17.55	19.50
		126	5630	17.58	19.50
		134	5670	9.20	11.50
		142	5710	9.27	11.50
	802.11ac VHT20	100	5500	10.56	13.00
		104	5520	16.91	19.00
		108	5540	16.80	19.00
		112	5560	16.84	19.00
		116	5580	16.84	19.00
		120	5600	16.88	19.00
		124	5620	17.04	19.00
		128	5640	17.08	19.00



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		132	5660	17.09	19.00
		136	5680	17.23	19.00
		140	5700	10.40	12.50
		144	5720	10.37	12.50
	802.11ac VHT40	102	5510	9.15	11.50
		110	5550	17.25	19.00
		118	5590	17.09	19.00
		126	5630	17.11	19.00
		134	5670	9.25	11.50
		142	5710	9.38	11.50
	802.11ac VHT80	106	5530	8.19	11.00
		122	5610	8.32	11.00
138		5690	8.52	11.00	
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	17.11	19.00
		153	5765	17.10	19.00
		157	5785	17.17	19.00
		161	5805	17.13	19.00
		165	5825	17.13	19.00
	802.11n HT20	149	5745	17.10	19.00
		153	5765	17.16	19.00
		157	5785	17.21	19.00
		161	5805	17.18	19.00
		165	5825	17.11	19.00
	802.11n HT40	151	5755	17.07	19.00
		159	5795	17.08	19.00
	802.11ac VHT20	149	5745	17.11	19.00
		153	5765	17.07	19.00
		157	5785	17.20	19.00
		161	5805	17.17	19.00
		165	5825	17.11	19.00
	802.11ac VHT40	151	5755	17.12	19.00
		159	5795	17.11	19.00
	802.11ac VHT80	155	5775	16.55	18.50



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.09	18.00
		40	5200	16.19	18.00
		44	5220	16.11	18.00
		48	5240	16.15	18.00
	802.11n HT20	36	5180	16.17	18.00
		40	5200	16.12	18.00
		44	5220	16.17	18.00
		48	5240	16.17	18.00
	802.11n HT40	38	5190	14.10	16.00
		46	5230	16.09	18.00
	802.11ac VHT20	36	5180	16.20	18.00
		40	5200	16.11	18.00
		44	5220	16.22	18.00
		48	5240	16.21	18.00
	802.11ac VHT40	38	5190	14.10	16.00
		46	5230	16.04	18.00
	802.11ac VHT80	42	5210	12.57	15.00
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz U-NII-2A	802.11a	52	5260	17.12	19.00
		56	5280	17.15	19.00
		60	5300	17.25	19.00
		64	5320	14.11	16.00
	802.11n HT20	52	5260	17.23	19.00
		56	5280	17.24	19.00
		60	5300	17.20	19.00
		64	5320	15.62	16.00
	802.11n HT40	54	5270	16.06	18.00
		62	5310	11.90	14.00
	802.11ac VHT20	52	5260	17.23	19.00
		56	5280	17.10	19.00
		60	5300	17.13	19.00
		64	5320	15.74	16.00
	802.11ac VHT40	54	5270	17.14	19.00
		62	5310	11.82	14.00



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	802.11ac VHT80	58	5290	10.01	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	10.67	13.00
		104	5520	17.14	19.00
		108	5540	16.89	19.00
		112	5560	17.04	19.00
		116	5580	16.96	19.00
		120	5600	17.04	19.00
		124	5620	17.07	19.00
		128	5640	17.14	19.00
		132	5660	17.27	19.00
		136	5680	17.21	19.00
		140	5700	10.66	12.50
		144	5720	10.51	12.50
	802.11n HT20	100	5500	10.62	13.00
		104	5520	16.83	19.00
		108	5540	16.80	19.00
		112	5560	16.78	19.00
		116	5580	16.80	19.00
		120	5600	16.91	19.00
		124	5620	17.01	19.00
		128	5640	16.97	19.00
		132	5660	17.07	19.00
		136	5680	17.17	19.00
		140	5700	10.39	12.50
		144	5720	10.37	12.50
	802.11n HT40	102	5510	9.06	11.50
		110	5550	17.24	19.00
		118	5590	17.11	19.00
		126	5630	17.03	19.00
		134	5670	9.23	11.50
		142	5710	9.33	11.50
	802.11ac VHT20	100	5500	10.57	13.00
		104	5520	16.88	19.00
		108	5540	16.77	19.00
		112	5560	16.89	19.00
		116	5580	16.76	19.00
		120	5600	16.91	19.00
		124	5620	17.02	19.00
		128	5640	17.12	19.00



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		132	5660	17.05	19.00
		136	5680	17.21	19.00
		140	5700	10.48	12.50
		144	5720	10.40	12.50
	802.11ac VHT40	102	5510	9.12	11.50
		110	5550	17.24	19.00
		118	5590	17.09	19.00
		126	5630	17.13	19.00
		134	5670	9.29	11.50
		142	5710	9.38	11.50
	802.11ac VHT80	106	5530	8.13	11.00
		122	5610	8.31	11.00
138		5690	8.50	11.00	
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	13.06	15.00
		153	5765	13.08	15.00
		157	5785	13.18	15.00
		161	5805	13.17	15.00
		165	5825	13.13	15.00
	802.11n HT20	149	5745	13.08	15.00
		153	5765	13.16	15.00
		157	5785	13.19	15.00
		161	5805	13.20	15.00
		165	5825	13.17	15.00
	802.11n HT40	151	5755	13.09	15.00
		159	5795	13.13	15.00
	802.11ac VHT20	149	5745	13.14	15.00
		153	5765	13.13	15.00
		157	5785	13.21	15.00
		161	5805	13.19	15.00
		165	5825	13.18	15.00
	802.11ac VHT40	151	5755	13.12	15.00
		159	5795	13.13	15.00
	802.11ac VHT80	155	5775	13.31	15.00



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9.3 Conducted Power of Bluetooth

BT Ant22		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	12.89	12.72	12.97	13.00
	π/4DQPSK	9.52	9.30	9.58	11.00
	8DPSK	9.76	9.52	9.81	11.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	6.35	7.07	6.64	8.00
Band	Channel	1	19	38	Tune up
BLE 2M	GFSK	7.33	7.86	7.69	8.00

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