

Report No.: SZEM170700767704 Page: 530 of 636





Report No.: SZEM170700767704 Page: 531 of 636





Report No.: SZEM170700767704 Page: 532 of 636





Report No.: SZEM170700767704 Page: 533 of 636





Report No.: SZEM170700767704 Page: 534 of 636





Report No.: SZEM170700767704 Page: 535 of 636





Report No.: SZEM170700767704 Page: 536 of 636





Report No.: SZEM170700767704 Page: 537 of 636





Report No.: SZEM170700767704 Page: 538 of 636

4.Maximum Power Spectral Density

Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict	
11A	5180	Ant1	0.39	0	0.39	<11.00	PASS	
11A	5180	Ant2	-0.04	0	-0.04	<11.00	PASS	
11A	5200	Ant1	0.44	0	0.44	<11.00	PASS	
11A	5200	Ant2	-0.09	0	-0.09	<11.00	PASS	
11A	5240	Ant1	0.64	0	0.64	<11.00	PASS	
11A	5240	Ant2	-0.17	0	-0.17	<11.00	PASS	
11A	5260	Ant1	0.67	0	0.67	<11.00	PASS	
11A	5260	Ant2	-0.15	0	-0.15	<11.00	PASS	
11A	5300	Ant1	0.31	0	0.31	<11.00	PASS	
11A	5300	Ant2	-1.2	0	-1.2	<11.00	PASS	
11A	5320	Ant1	-0.05	0	-0.05	<11.00	PASS	
11A	5320	Ant2	-1.66	0	-1.66	<11.00	PASS	
11A	5500	Ant1	0.76	0	0.76	<11.00	PASS	
11A	5500	Ant2	1.37	0	1.37	<11.00	PASS	
11A	5580	Ant1	1.55	0	1.55	<11.00	PASS	
11A	5580	Ant2	2.04	0	2.04	<11.00	PASS	
11A	5600	Ant1	1.58	0	1.58	<11.00	PASS	
11A	5600	Ant2	2.11	0	2.11	<11.00	PASS	
11A	5700	Ant1	1.17	0	1.17	<11.00	PASS	
11A	5700	Ant2	1.35	0	1.35	<11.00	PASS	
11N20	5180	Ant1	-0.72	0	-0.72	<11.00	PASS	
11N20	5180	Ant2	-1.22	0	-1.22	<11.00	PASS	
11N20	5200	Ant1	-0.75	0	-0.75	<11.00	PASS	
11N20	5200	Ant2	-0.98	0	-0.98	<11.00	PASS	
11N20	5240	Ant1	-0.6	0	-0.6	<11.00	PASS	
11N20	5240	Ant2	-1	0	-1	<11.00	PASS	
11N20	5260	Ant1	-0.25	0	-0.25	<11.00	PASS	
11N20	5260	Ant2	-1.14	0	-1.14	<11.00	PASS	
11N20	5300	Ant1	-0.74	0	-0.74	<11.00	PASS	
11N20	5300	Ant2	-1.54	0	-1.54	<11.00	PASS	
11N20	5320	Ant1	-1.37	0	-1.37	<11.00	PASS	



Report No.: SZEM170700767704 Page: 539 of 636

11N20	5320	Ant2	-2	0	-2	<11.00	PASS
11N20	5500	Ant1	-0.36	0	-0.36	<11.00	PASS
11N20	5500	Ant2	-0.11	0	-0.11	<11.00	PASS
11N20	5580	Ant1	0.49	0	0.49	<11.00	PASS
11N20	5580	Ant2	0.84	0	0.84	<11.00	PASS
11N20	5600	Ant1	0.29	0	0.29	<11.00	PASS
11N20	5600	Ant2	0.62	0	0.62	<11.00	PASS
11N20	5700	Ant1	-0.03	0	-0.03	<11.00	PASS
11N20	5700	Ant2	-0.16	0	-0.16	<11.00	PASS
11N40	5190	Ant1	-5.8	0	-5.8	<11.00	PASS
11N40	5190	Ant2	-6.16	0	-6.16	<11.00	PASS
11N40	5230	Ant1	-5.59	0	-5.59	<11.00	PASS
11N40	5230	Ant2	-5.99	0	-5.99	<11.00	PASS
11N40	5270	Ant1	-5.38	0	-5.38	<11.00	PASS
11N40	5270	Ant2	-6.06	0	-6.06	<11.00	PASS
11N40	5310	Ant1	-5.98	0	-5.98	<11.00	PASS
11N40	5310	Ant2	-6.53	0	-6.53	<11.00	PASS
11N40	5510	Ant1	-5.11	0	-5.11	<11.00	PASS
11N40	5510	Ant2	-4.58	0	-4.58	<11.00	PASS
11N40	5550	Ant1	-4.73	0	-4.73	<11.00	PASS
11N40	5550	Ant2	-4.04	0	-4.04	<11.00	PASS
11N40	5590	Ant1	-4.36	0	-4.36	<11.00	PASS
11N40	5590	Ant2	-3.73	0	-3.73	<11.00	PASS
11N40	5670	Ant1	-4.79	0	-4.79	<11.00	PASS
11N40	5670	Ant2	-4.44	0	-4.44	<11.00	PASS
11AC20	5180	Ant1	-0.71	0	-0.71	<11.00	PASS
11AC20	5180	Ant2	-1.18	0	-1.18	<11.00	PASS
11AC20	5200	Ant1	-0.57	0	-0.57	<11.00	PASS
11AC20	5200	Ant2	-0.96	0	-0.96	<11.00	PASS
11AC20	5240	Ant1	-0.5	0	-0.5	<11.00	PASS
11AC20	5240	Ant2	-1.01	0	-1.01	<11.00	PASS
11AC20	5260	Ant1	-0.53	0	-0.53	<11.00	PASS
11AC20	5260	Ant2	-0.94	0	-0.94	<11.00	PASS



Report No.: SZEM170700767704 Page: 540 of 636

11AC20	5300	Ant1	-0.97	0	-0.97	<11.00	PASS
11AC20	5300	Ant2	-1.29	0	-1.29	<11.00	PASS
11AC20	5320	Ant1	-1.3	0	-1.3	<11.00	PASS
11AC20	5320	Ant2	-1.49	0	-1.49	<11.00	PASS
11AC20	5500	Ant1	-0.31	0	-0.31	<11.00	PASS
11AC20	5500	Ant2	0.4	0	0.4	<11.00	PASS
11AC20	5580	Ant1	0.71	0	0.71	<11.00	PASS
11AC20	5580	Ant2	1.23	0	1.23	<11.00	PASS
11AC20	5600	Ant1	0.55	0	0.55	<11.00	PASS
11AC20	5600	Ant2	1.03	0	1.03	<11.00	PASS
11AC20	5700	Ant1	0	0	0	<11.00	PASS
11AC20	5700	Ant2	0.22	0	0.22	<11.00	PASS
11AC40	5190	Ant1	-5.31	0	-5.31	<11.00	PASS
11AC40	5190	Ant2	-5.69	0	-5.69	<11.00	PASS
11AC40	5230	Ant1	-5.23	0	-5.23	<11.00	PASS
11AC40	5230	Ant2	-6.39	0	-6.39	<11.00	PASS
11AC40	5270	Ant1	-4.95	0	-4.95	<11.00	PASS
11AC40	5270	Ant2	-5.62	0	-5.62	<11.00	PASS
11AC40	5310	Ant1	-5.63	0	-5.63	<11.00	PASS
11AC40	5310	Ant2	-5.94	0	-5.94	<11.00	PASS
11AC40	5510	Ant1	-6.02	0	-6.02	<11.00	PASS
11AC40	5510	Ant2	-4.58	0	-4.58	<11.00	PASS
11AC40	5550	Ant1	-4.58	0	-4.58	<11.00	PASS
11AC40	5550	Ant2	-4.23	0	-4.23	<11.00	PASS
11AC40	5590	Ant1	-4.14	0	-4.14	<11.00	PASS
11AC40	5590	Ant2	-3.89	0	-3.89	<11.00	PASS
11AC40	5670	Ant1	-4.52	0	-4.52	<11.00	PASS
11AC40	5670	Ant2	-4.14	0	-4.14	<11.00	PASS
11AC80	5210	Ant1	-8.17	0	-8.17	<11.00	PASS
11AC80	5210	Ant2	-9.07	0	-9.07	<11.00	PASS
11AC80	5290	Ant1	-8.92	0	-8.92	<11.00	PASS
11AC80	5290	Ant2	-8.65	0	-8.65	<11.00	PASS
11AC80	5530	Ant1	-7.8	0	-7.8	<11.00	PASS



Report No.: SZEM170700767704 Page: 541 of 636

11AC80	5530)	Ant2	-7.16	(0	-7	.16	~	<11.00		PASS		
11AC80	5610)	Ant1	-8.08			-0		.08		<11.00		PASS		
11AC80	5610)	Ant2	-8.29		0		-8.29		<11.00		PA	PASS		
Test Mode	Test Channel	Ant	Level [dBm/500kHz]		10lc Fact	og(1/x) tor[dB]	10log(500k Factor	Hz/RBW) [dB]	RBW) PSD] [dBm/500		Limit [dBm/500kHz]		Verd	Verdict	
11A	5745	Ant1		-1.43		0 0 -1.43		<17.0	<17.00		PASS				
11A	5745	Ant2	2	-1.29		0	0		-1.29		<17.00		PAS	PASS	
11A	5785	Ant1		-1.32		0	0		-1.32		<17.0	00	PAS	SS	
11A	5785	Ant2	2	-2.07		0	0		-2.07		<17.0	<17.00 P		SS	
11A	5825	Ant1		-0.81		0	0		-0.81		<17.0	<17.00 F		SS	
11A	5825	Ant2	2	-1.01		0	0		-1.01		<17.0	00	PAS	SS	
11N20	5745	Ant1		-1.63		0	0		-1.63		<17.0	00	PAS	SS	
11N20	5745	Ant2	2	-1.62		0	0		-1.62		<17.0	00	PAS	SS	
11N20	5785	Ant1		-1.16		0	0		-1.16		<17.0	00	PAS	SS	
11N20	5785	Ant2	2	-1.03		0	0		-1.03		<17.0	00	PAS	SS	
11N20	5825	Ant1	-0.85			0	0		-0.85		<17.0	00	PAS	SS	
11N20	5825	Ant2	2	-0.85		0	0		-0.85		<17.0	00	PAS	SS	
11N40	5755	Ant1		-5.65		0	0		-5.65		<17.0	00	PAS	SS	
11N40	5755	Ant2		-5.28		0	0		-5.28		<17.0	00	PAS	SS	
11N40	5795	Ant1		-5.11		0	0		-5.11		<17.0	00	PAS	SS	
11N40	5795	Ant2		-5.13		0	0		-5.13		<17.0	00	PAS	SS	
11AC20	5745	Ant1		-1.56		0	0		-1.56		<17.0	00	PAS	SS	
11AC20	5745	Ant2	2	-1.54		0	0		-1.54		<17.0	00	PAS	SS	
11AC20	5785	Ant1		-1.21		0	0		-1.21		<17.0	00	PAS	SS	
11AC20	5785	Ant2		-1.39		0	0		-1.39		<17.0	00	PAS	SS	
11AC20	5825	Ant1		-1.19		0	0		-1.19		<17.0	00	PAS	SS	
11AC20	5825	Ant2		-0.86		0	0		-0.86		<17.0	00	PAS	SS	
11AC40	5755	Ant1		-5.17		0	0		-5.17		<17.0	00	PAS	SS	
11AC40	5755	Ant2		-5.14		0	0		-5.14		<17.0	00	PAS	SS	
11AC40	5795	Ant1		-5.19		0	0		-5.19		<17.0	00	PAS	SS	
11AC40	5795	Ant2	2	-5.06		0	0		-5.06		<17.0	00	PAS	SS	
11AC80	5775	Ant1		-10.56		0	0		-10.56	6	<17.0	00	PAS	SS	
11AC80	5775	Ant2	2	-11.47		0	0		-11.47	,	<17.0	00	PAS	SS	



Report No.: SZEM170700767704 Page: 542 of 636





Report No.: SZEM170700767704 Page: 543 of 636





Report No.: SZEM170700767704 Page: 544 of 636





Report No.: SZEM170700767704 Page: 545 of 636





Report No.: SZEM170700767704 Page: 546 of 636





Report No.: SZEM170700767704 Page: 547 of 636





Report No.: SZEM170700767704 Page: 548 of 636





Report No.: SZEM170700767704 Page: 549 of 636





Report No.: SZEM170700767704 Page: 550 of 636





Report No.: SZEM170700767704 Page: 551 of 636





Report No.: SZEM170700767704 Page: 552 of 636





Report No.: SZEM170700767704 Page: 553 of 636





Report No.: SZEM170700767704 Page: 554 of 636





Report No.: SZEM170700767704 Page: 555 of 636





Report No.: SZEM170700767704 Page: 556 of 636





Report No.: SZEM170700767704 Page: 557 of 636





Report No.: SZEM170700767704 Page: 558 of 636





Report No.: SZEM170700767704 Page: 559 of 636





Report No.: SZEM170700767704 Page: 560 of 636





Report No.: SZEM170700767704 Page: 561 of 636





Report No.: SZEM170700767704 Page: 562 of 636





Report No.: SZEM170700767704 Page: 563 of 636





Report No.: SZEM170700767704 Page: 564 of 636





Report No.: SZEM170700767704 Page: 565 of 636




Report No.: SZEM170700767704 Page: 566 of 636





Report No.: SZEM170700767704 Page: 567 of 636





Report No.: SZEM170700767704 Page: 568 of 636





Report No.: SZEM170700767704 Page: 569 of 636





Report No.: SZEM170700767704 Page: 570 of 636





Report No.: SZEM170700767704 Page: 571 of 636





Report No.: SZEM170700767704 Page: 572 of 636





Report No.: SZEM170700767704 Page: 573 of 636





Report No.: SZEM170700767704 Page: 574 of 636





Report No.: SZEM170700767704 Page: 575 of 636





Report No.: SZEM170700767704 Page: 576 of 636





Report No.: SZEM170700767704 Page: 577 of 636





Report No.: SZEM170700767704 Page: 578 of 636





Report No.: SZEM170700767704 Page: 579 of 636





Report No.: SZEM170700767704 Page: 580 of 636





Report No.: SZEM170700767704 Page: 581 of 636





Report No.: SZEM170700767704 Page: 582 of 636





Report No.: SZEM170700767704 Page: 583 of 636





Report No.: SZEM170700767704 Page: 584 of 636





Report No.: SZEM170700767704 Page: 585 of 636





Report No.: SZEM170700767704 Page: 586 of 636





Report No.: SZEM170700767704 Page: 587 of 636





Report No.: SZEM170700767704 Page: 588 of 636





Report No.: SZEM170700767704 Page: 589 of 636





Report No.: SZEM170700767704 Page: 590 of 636





Report No.: SZEM170700767704 Page: 591 of 636





Report No.: SZEM170700767704 Page: 592 of 636





Report No.: SZEM170700767704 Page: 593 of 636





Report No.: SZEM170700767704 Page: 594 of 636





Report No.: SZEM170700767704 Page: 595 of 636





Report No.: SZEM170700767704 Page: 596 of 636





Report No.: SZEM170700767704 Page: 597 of 636





Report No.: SZEM170700767704 Page: 598 of 636





Report No.: SZEM170700767704 Page: 599 of 636





Report No.: SZEM170700767704 Page: 600 of 636





Report No.: SZEM170700767704 Page: 601 of 636




Report No.: SZEM170700767704 Page: 602 of 636





Report No.: SZEM170700767704 Page: 603 of 636





Report No.: SZEM170700767704 Page: 604 of 636





Report No.: SZEM170700767704 Page: 605 of 636





Report No.: SZEM170700767704 Page: 606 of 636

6.Frequency Stability

Remark: Only the data of Ant.2 is recorded.

l est mode:	802.11a	Frequency(MHz):	5180
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5178.4143	Pass
30		5178.4139	Pass
20	120	5178.4137	Pass
10		5178.4135	Pass
0		5178.4142	Pass
	138	5178.4145	Pass
25	120	5178.4151	Pass
	102	5178.4145	Pass

Test mode:	802.11a	Frequency(MHz):	5200

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5201.2278	Pass
30		5201.2287	Pass
20	120	5201.2268	Pass
10		5201.2287	Pass
0		5201.2289	Pass
	138	5201.2292	Pass
25	120	5201.2345	Pass
	102	5201.2279	Pass

Test mode:	802.11a	Frequency(MHz):	5240
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5240.8441	Pass
30		5240.8434	Pass
20	120	5240.8454	Pass
10		5240.8447	Pass
0		5240.8447	Pass
	138	5240.8445	Pass
25	120	5240.8448	Pass
	102	5240.8450	Pass



Report No.: SZEM170700767704 Page: 607 of 636

Test mode:	802.11a	Frequency(MHz):	5260
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5261.3583	Pass
30		5261.3587	Pass
20	120	5261.3585	Pass
10		5261.3572	Pass
0		5261.3584	Pass
	138	5261.3589	Pass
25	120	5261.3587	Pass
	102	5261.3585	Pass

Test mode: 802.11a Frequency(MHz): 5300

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5299.5354	Pass
30		5299.5349	Pass
20	120	5299.5363	Pass
10		5299.5354	Pass
0		5299.5343	Pass
	138	5299.5347	Pass
25	120	5299.5349	Pass
	102	5299.5351	Pass

Test mode:	802.11a	Frequency(MHz):	5320

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5321.7921	Pass
30		5321.7913	Pass
20	120	5321.7929	Pass
10		5321.7925	Pass
0		5321.7923	Pass
	138	5321.7915	Pass
25	120	5321.7917	Pass
	102	5321.7919	Pass



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

Report No.: SZEM170700767704 Page: 608 of 636

Test mode:	802.11a	Frequency(MHz):	5500
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5499.1013	Pass
30		5499.1012	Pass
20	120	5499.1019	Pass
10		5499.0999	Pass
0		5499.0997	Pass
	138	5499.1011	Pass
25	120	5499.1014	Pass
	102	5499.1011	Pass

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5598.3831	Pass
30		5598.3834	Pass
20	120	5598.3824	Pass
10		5598.3826	Pass
0		5598.3828	Pass
	138	5598.3826	Pass
25	120	5598.3829	Pass
	102	5598.3827	Pass

Test mode:	802.11a	Frequency(MHz):	5700
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5699.6369	Pass
30		5699.6373	Pass
20	120	5699.6375	Pass
10		5699.6345	Pass
0		5699.6371	Pass
	138	5699.6372	Pass
25	120	5699.6373	Pass
	102	5699.6381	Pass



Report No.: SZEM170700767704 Page: 609 of 636

Test mode:	802.11a	Frequency(MHz):	5745
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5744.6478	Pass
30		5744.6473	Pass
20	120	5744.6475	Pass
10		5744.6473	Pass
0		5744.6477	Pass
	138	5744.6481	Pass
25	120	5744.6472	Pass
	102	5744.6473	Pass

Test mode: 802.11a Frequency(MHz): 5785

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5784.7012	Pass
30		5784.7034	Pass
20	120	5784.7014	Pass
10		5784.7011	Pass
0		5784.7021	Pass
	138	5784.7011	Pass
25	120	5784.7012	Pass
	102	5784.7016	Pass

Test mode:	802.11a	Frequency(MHz):	5825
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5823.9272	Pass
30		5823.9284	Pass
20	120	5823.9296	Pass
10		5823.9284	Pass
0		5823.9285	Pass
	138	5823.9285	Pass
25	120	5823.9287	Pass
	102	5823.9282	Pass



Report No.: SZEM170700767704 Page: 610 of 636

Test mode:	802.11n(HT20)	Frequency(MHz):	5180
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5178.5981	Pass
30		5178.5985	Pass
20	120	5178.5983	Pass
10		5178.5983	Pass
0		5178.5975	Pass
	138	5178.5974	Pass
25	120	5178.5978	Pass
	102	5178.5980	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5200
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5198.5427	Pass
30	120	5198.5430	Pass
20		5198.5434	Pass
10		5198.5426	Pass
0		5198.5423	Pass
	138	5198.5430	Pass
25	120	5198.5437	Pass
	102	5198.5427	Pass

Test mode: 802.11n(HT20) Frequency(MHz):	5240
------------------------------------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5238.9034	Pass
30		5238.9032	Pass
20	120	5238.9053	Pass
10		5238.9045	Pass
0		5238.9034	Pass
	138	5238.9038	Pass
25	120	5238.9043	Pass
	102	5238.9046	Pass



Report No.: SZEM170700767704 Page: 611 of 636

Test mode:	802.11n(HT20)	Frequency(MHz):	5240
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5239.5790	Pass
30		5239.5799	Pass
20	120	5239.5803	Pass
10		5239.5785	Pass
0		5239.5775	Pass
	138	5239.5791	Pass
25	120	5239.5799	Pass
	102	5239.5805	Pass

Test mode: 802.11n(HT20) Frequency(MHz): 5260

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5260.4011	Pass
30		5260.4016	Pass
20	120	5260.4022	Pass
10		5260.4015	Pass
0		5260.4008	Pass
	138	5260.4013	Pass
25	120	5260.4016	Pass
	102	5260.4022	Pass

lest mode: 802.11n(H120) Frequency(MHz): 5300	00
-----------------------------------------------------	----

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5299.7475	Pass
30		5299.7480	Pass
20	120	5299.7473	Pass
10		5299.7457	Pass
0		5299.7467	Pass
	138	5299.7471	Pass
25	120	5299.7465	Pass
	102	5299.7476	Pass



Report No.: SZEM170700767704 Page: 612 of 636

Test mode:	802.11n(HT20)	Frequency(MHz):	5320
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5320.4691	Pass
30		5320.4693	Pass
20	120	5320.4701	Pass
10		5320.4696	Pass
0		5320.4689	Pass
	138	5320.4686	Pass
25	120	5320.4693	Pass
	102	5320.4694	Pass

Test mode: 802.11n(HT20) Frequency(MHz): 5500

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5501.3889	Pass
30		5501.3893	Pass
20	120	5501.3901	Pass
10		5501.3894	Pass
0		5501.3886	Pass
	138	5501.3891	Pass
25	120	5501.3893	Pass
	102	5501.3902	Pass

l lest mode: 802.11n(H120) Frequency(MHz): 5	5600
----------------------------------------------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5598.4929	Pass
30		5598.4939	Pass
20		5598.4945	Pass
10		5598.4942	Pass
0		5598.4932	Pass
	138	5598.4937	Pass
25	120	5598.4939	Pass
	102	5598.4946	Pass



Report No.: SZEM170700767704 Page: 613 of 636

Test mode:	802.11n(HT20)	802.11n(HT20) Frequency(MHz):		
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result	
40		5701.4602	Pass	
30	120	5701.4611	Pass	
20		5701.4612	Pass	
10		5701.4608	Pass	
0		5701.4605	Pass	
	138	5701.4601	Pass	
25	120	5701.4611	Pass	
	102	5701.4615	Pass	

Test mode: 802.11n(HT20) Frequency(MHz): 5745

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5744.5318	Pass
30		5744.5328	Pass
20	120	5744.5336	Pass
10		5744.5329	Pass
0		5744.5321	Pass
	138	5744.5328	Pass
25	120	5744.5334	Pass
	102	5744.5318	Pass

Test mode: 802.11n(HT20) Frequency(MHz): 5785

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5786.0588	Pass
30		5786.0594	Pass
20		5786.0599	Pass
10		5786.0589	Pass
0		5786.0580	Pass
	138	5786.0594	Pass
25	120	5786.0599	Pass
	102	5786.0588	Pass



Report No.: SZEM170700767704 Page: 614 of 636

Test mode:	802.11n(HT20)	Frequency(MHz):	5825
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5823.6492	Pass
30		5823.6496	Pass
20		5823.6499	Pass
10		5823.6490	Pass
0		5823.6488	Pass
	138	5823.6496	Pass
25	120	5823.6506	Pass
	102	5823.6492	Pass

Test mode:

802.11n(HT40)

Frequency(MHz):

lz): 5190

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5188.4191	Pass
30		5188.4201	Pass
20		5188.4207	Pass
10		5188.4198	Pass
0		5188.4191	Pass
	138	5188.4201	Pass
25	120	5188.4209	Pass
	102	5188.4191	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5230

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5228.8355	Pass
30		5228.8361	Pass
20	120	5228.8362	Pass
10		5228.8361	Pass
0		5228.8359	Pass
	138	5228.8362	Pass
25	120	5228.8363	Pass
	102	5228.8355	Pass



Report No.: SZEM170700767704 Page: 615 of 636

Test mode:	802.11n(HT40)	Frequency(MHz):	5270
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5268.5654	Pass
30	120	5268.5656	Pass
20		5268.5662	Pass
10		5268.5650	Pass
0		5268.5651	Pass
	138	5268.5647	Pass
25	120	5268.5656	Pass
	102	5268.5663	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5310
		Measurement	

Temperature (°C)	Voltage(VAC)	Frequency(MHz)	Result
40		5310.3642	Pass
30	120	5310.3648	Pass
20		5310.3650	Pass
10		5310.3648	Pass
0		5310.3647	Pass
	138	5310.3641	Pass
25	120	5310.3648	Pass
	102	5310.3656	Pass

Test mode [.]	802 11n(HT40)	Frequency(MHz):	5510
root mouo.	002.1111(11110)		0010

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5508.5615	Pass
30		5508.5615	Pass
20	120	5508.5613	Pass
10		5508.5617	Pass
0		5508.5616	Pass
	138	5508.5625	Pass
25	120	5508.5615	Pass
	102	5508.5621	Pass



Report No.: SZEM170700767704 Page: 616 of 636

Test mode:	802.11n(HT40)	Frequency(MHz):	5590
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5589.6461	Pass
30		5589.6472	Pass
20		5589.6472	Pass
10		5589.6477	Pass
0		5589.6465	Pass
	138	5589.6472	Pass
25	120	5589.6475	Pass
	102	5589.6479	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5670
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5669.9546	Pass
30		5669.9559	Pass

20	120	5669.9557	Pass
10		5669.9555	Pass
0		5669.9549	Pass
	138	5669.9544	Pass
25	120	5669.9549	Pass
	102	5669.9551	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5755
	. ,	,	

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5755.6776	Pass
30		5755.6766	Pass
20	120	5755.6776	Pass
10		5755.6759	Pass
0		5755.6767	Pass
	138	5755.6765	Pass
25	120	5755.6761	Pass
	102	5755.6764	Pass



Report No.: SZEM170700767704 Page: 617 of 636

Test mode:	802.11n(HT40)	Frequency(MHz):	5795
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5795.9242	Pass
30		5795.9245	Pass
20		5795.9246	Pass
10		5795.9254	Pass
0		5795.9240	Pass
	138	5795.9242	Pass
25	120	5795.9248	Pass
	102	5795.9243	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5180
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5180.8813	Pass
30		5180.8816	Pass
20		5180.8815	Pass
10		5180.8823	Pass
0		5180.8811	Pass
	138	5180.8815	Pass
25	120	5180.8817	Pass
	102	5180.8810	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5200
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5200.9257	Pass
30		5200.9262	Pass
20	120	5200.9269	Pass
10		5200.9259	Pass
0		5200.9246	Pass
25	138	5200.9262	Pass
	120	5200.9267	Pass
	102	5200.9267	Pass



Report No.: SZEM170700767704 Page: 618 of 636

Test mode:	802.11ac(HT20)	Frequency(MHz):	5240
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5238.2128	Pass
30		5238.2131	Pass
20		5238.2135	Pass
10		5238.2134	Pass
0		5238.2128	Pass
	138	5238.2125	Pass
25	120	5238.2131	Pass
	102	5238.2139	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5260

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5260.8352	Pass
30	120	5260.8361	Pass
20		5260.8369	Pass
10		5260.8360	Pass
0		5260.8359	Pass
	138	5260.8352	Pass
25	120	5260.8361	Pass
	102	5260.8370	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5300

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5300.9828	Pass
30	120	5300.9836	Pass
20		5300.9840	Pass
10		5300.9834	Pass
0		5300.9827	Pass
	138	5300.9827	Pass
25	120	5300.9836	Pass
	102	5300.9839	Pass



Test mode:

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

Frequency(MHz):

Report No.: SZEM170700767704 Page: 619 of 636

5320

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5318.8706	Pass
30	120	5318.8709	Pass
20		5318.8718	Pass
10		5318.8719	Pass
0		5318.8721	Pass
	138	5318.8715	Pass
25	120	5318.8719	Pass
	102	5318.8715	Pass

802.11ac(HT20)

Test mode:	802.11ac(HT20)	Frequency(MHz):	5500

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5499.4769	Pass
30	120	5499.4775	Pass
20		5499.4777	Pass
10		5499.4767	Pass
0		5499.4760	Pass
	138	5499.4767	Pass
25	120	5499.4776	Pass
	102	5499.4782	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5600
	000000000000000000000000000000000000000		0000

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5601.3145	Pass
30	120	5601.3153	Pass
20		5601.3167	Pass
10		5601.3166	Pass
0		5601.3146	Pass
	138	5601.3153	Pass
25	120	5601.3156	Pass
	102	5601.3161	Pass



Report No.: SZEM170700767704 Page: 620 of 636

Test mode:	802.11ac(HT20)	Frequency(MHz):	5700
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5700.0014	Pass
30		5700.0020	Pass
20		5700.0023	Pass
10		5700.0014	Pass
0		5700.0007	Pass
	138	5700.0018	Pass
25	120	5700.0020	Pass
	102	5700.0030	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5745

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5743.7654	Pass
30	120	5743.7664	Pass
20		5743.7666	Pass
10		5743.7658	Pass
0		5743.7657	Pass
	138	5743.7664	Pass
25	120	5743.7665	Pass
	102	5743.7654	Pass

	Test mode:	802.11ac(HT20)	Frequency(MHz):	5785
--	------------	----------------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5782.9746	Pass
30		5782.9754	Pass
20	120	5782.9758	Pass
10		5782.9748	Pass
0		5782.9740	Pass
	138	5782.9754	Pass
25	120	5782.9755	Pass
	102	5782.9746	Pass



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

Report No.: SZEM170700767704 621 of 636 Page:

Test mode:	802.11ac(HT20)	Frequency(MHz):	5825
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5823.4316	Pass
30	120	5823.4324	Pass
20		5823.4325	Pass
10		5823.4318	Pass
0		5823.4315	Pass
	138	5823.4324	Pass
25	120	5823.4329	Pass
	102	5823.4316	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5190
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5190.0606	Pass
30		5190.0615	Pass
20		5190.0619	Pass
10		5190.0612	Pass
0		5190.0603	Pass
	138	5190.0615	Pass
25	120	5190.0619	Pass
	102	5190.0606	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5230

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5230.4049	Pass
30	120	5230.4057	Pass
20		5230.4064	Pass
10		5230.4054	Pass
0		5230.4049	Pass
	138	5230.4057	Pass
25	120	5230.4066	Pass
	102	5230.4049	Pass



Report No.: SZEM170700767704 Page: 622 of 636

Test mode:	802.11ac(HT40)	Frequency(MHz):	5270
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5268.6084	Pass
30	120	5268.6086	Pass
20		5268.6093	Pass
10		5268.6091	Pass
0		5268.6084	Pass
	138	5268.6084	Pass
25	120	5268.6086	Pass
	102	5268.6091	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5310
------------	----------------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5310.2056	Pass
30		5310.2043	Pass
20	120	5310.2057	Pass
10		5310.2043	Pass
0		5310.2041	Pass
	138	5310.2041	Pass
25	120	5310.2049	Pass
	102	5310.2053	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5510

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5508.3599	Pass
30		5508.3617	Pass
20	120	5508.3616	Pass
10		5508.3638	Pass
0		5508.3640	Pass
	138	5508.3602	Pass
25	120	5508.3607	Pass
	102	5508.3613	Pass



Report No.: SZEM170700767704 Page: 623 of 636

l est mode:	802.11ac(H140)	Frequency(MHz):	5590		
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result		
40		5591.9318	Pass		
30		5591.9324	Pass		
20	120	5591.9331	Pass		
10		5591.9312	Pass		
0		5591.9323	Pass		
	138	5591.9314	Pass		
25	120	5591.9324	Pass		
	102	5591.9331	Pass		

.

Test mode: 802.11	ac(HT40) Frequency(M	Hz): 5670
-------------------	----------------------	-----------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5668.9750	Pass
30		5668.9754	Pass
20	120	5668.9758	Pass
10		5668.9750	Pass
0		5668.9743	Pass
25	138	5668.9745	Pass
20	120	5668.9754	Pass

Test mode:	802.11ac(HT40) Frequency(MHz):	5755
i oot mouo.	00211100(11110	/	0100

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5754.5017	Pass
30		5754.5020	Pass
20	120	5754.5022	Pass
10		5754.5019	Pass
0		5754.5015	Pass
	138	5754.5020	Pass
25	120	5754.5023	Pass
	102	5754.5017	Pass



Report No.: SZEM170700767704 Page: 624 of 636

Test mode:	802.11ac(HT40)	Frequency(MHz):	5795
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5796.8951	Pass
30		5796.8955	Pass
20	120	5796.8958	Pass
10		5796.8954	Pass
0		5796.8952	Pass
	138	5796.8955	Pass
25	120	5796.8962	Pass
	102	5796.8951	Pass

|--|

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5211.5264	Pass
30		5211.5266	Pass
20	120	5211.5274	Pass
10		5211.5270	Pass
0		5211.5263	Pass
	138	5211.5266	Pass
25	120	5211.5275	Pass
	102	5211.5264	Pass

Test mode: 802.11ac(HT80)	Frequency(MHz):	5290
---------------------------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5291.9076	Pass
30		5291.9078	Pass
20	120	5291.9082	Pass
10		5291.9076	Pass
0		5291.9066	Pass
	138	5291.9069	Pass
25	120	5291.9078	Pass
	102	5291.9085	Pass



Report No.: SZEM170700767704 Page: 625 of 636

Test mode:	802.11ac(HT80)	Frequency(MHz):	5530	
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result	
40		5528.1941	Pass	
30		5528.1947	Pass	
20	120	5528.1952	Pass	
10		5528.1943	Pass	
0	1	5528.1934	Pass	
	138	5528.1942	Pass	
25	120	5528.1947	Pass	
	102	5528.1952	Pass	

Test mode:	802.11ac(HT80)	Frequency(MHz):	5610
	/	- 1	

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40		5611.4973	Pass
30		5611.4980	Pass
20	120	5611.4981	Pass
10		5611.4976	Pass
0		5611.4968	Pass
	138	5611.4970	Pass
25	120	5611.4980	Pass
	102	5611.4987	Pass

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775
------------	----------------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result	
40		5773.6658	Pass	
30		5773.6660	Pass	
20	120	5773.6665	Pass	
10		5773.6658	Pass	
0		5773.6655	Pass	
	138	5773.6656	Pass	
25	120	5773.6660	Pass	
	102	5773.6663	Pass	



Report No.: SZEM170700767704 Page: 626 of 636

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]	
11A	5180	Ant1	100	0	
11A	5180	Ant2	100	0	
11A	5200	Ant1	100	0	
11A	5200	Ant2	100	0	
11A	5240	Ant1	100	0	
11A	5240	Ant2	100	0	
11A	5260	Ant1	100	0	
11A	5260	Ant2	100	0	
11A	5300	Ant1	100	0	
11A	5300	Ant2	100	0	
11A	5320	Ant1	100	0	
11A	5320	Ant2	100	0	
11A	5500	Ant1	100	0	
11A	5500	Ant2	100	0	
11A	5580	Ant1	100	0	
11A	5580	Ant2	100	0	
11A	5600	Ant1	100	0	
11A	5600	Ant2	100	0	
11A	5700	Ant1	100	0	
11A	5700	Ant2	100	0	
11A	5745	Ant1	100	0	
11A	5745	Ant2	100	0	
11A	5785	Ant1	100	0	
11A	5785	Ant2	100	0	
11A	5825	Ant1	100	0	
11A	5825	Ant2	100	0	
11N20	5180	Ant1	100	0	
11N20	5180	Ant2	100	0	
11N20	5200	Ant1	100	0	
11N20	5200	Ant2	100	0	

7.Duty Cycle (x)



Report No.: SZEM170700767704 Page: 627 of 636

11N20	5240	Ant1	100	0
11N20	5240	Ant2	100	0
11N20	5260	Ant1	100	0
11N20	5260	Ant2	100	0
11N20	5300	Ant1	100	0
11N20	5300	Ant2	100	0
11N20	5320	Ant1	100	0
11N20	5320	Ant2	100	0
11N20	5500	Ant1	100	0
11N20	5500	Ant2	100	0
11N20	5580	Ant1	100	0
11N20	5580	Ant2	100	0
11N20	5600	Ant1	100	0
11N20	5600	Ant2	100	0
11N20	5700	Ant1	100	0
11N20	5700	Ant2	100	0
11N20	5745	Ant1	100	0
11N20	5745	Ant2	100	0
11N20	5785	Ant1	100	0
11N20	5785	Ant2	100	0
11N20	5825	Ant1	100	0
11N20	5825	Ant2	100	0
11N40	5190	Ant1	100	0
11N40	5190	Ant2	100	0
11N40	5230	Ant1	100	0
11N40	5230	Ant2	100	0
11N40	5270	Ant1	100	0
11N40	5270	Ant2	100	0
11N40	5310	Ant1	100	0
11N40	5310	Ant2	100	0
11N40	5510	Ant1	100	0
11N40	5510	Ant2	100	0
11N40	5550	Ant1	100	0



Report No.: SZEM170700767704 Page: 628 of 636

11N40	5550	Ant2	100	0
11N40	5590	Ant1	100	0
11N40	5590	Ant2	100	0
11N40	5670	Ant1	100	0
11N40	5670	Ant2	100	0
11N40	5755	Ant1	100	0
11N40	5755	Ant2	100	0
11N40	5795	Ant1	100	0
11N40	5795	Ant2	100	0
11AC20	5180	Ant1	100	0
11AC20	5180	Ant2	100	0
11AC20	5200	Ant1	100	0
11AC20	5200	Ant2	100	0
11AC20	5240	Ant1	100	0
11AC20	5240	Ant2	100	0
11AC20	5260	Ant1	100	0
11AC20	5260	Ant2	100	0
11AC20	5300	Ant1	100	0
11AC20	5300	Ant2	100	0
11AC20	5320	Ant1	100	0
11AC20	5320	Ant2	100	0
11AC20	5500	Ant1	100	0
11AC20	5500	Ant2	100	0
11AC20	5580	Ant1	100	0
11AC20	5580	Ant2	100	0
11AC20	5600	Ant1	100	0
11AC20	5600	Ant2	100	0
11AC20	5700	Ant1	100	0
11AC20	5700	Ant2	100	0
11AC20	5745	Ant1	100	0
11AC20	5745	Ant2	100	0
11AC20	5785	Ant1	100	0
11AC20	5785	Ant2	100	0



Report No.: SZEM170700767704 Page: 629 of 636

11AC20	5825	Ant1	100	0
11AC20	5825	Ant2	100	0
11AC40	5190	Ant1	100	0
11AC40	5190	Ant2	100	0
11AC40	5230	Ant1	100	0
11AC40	5230	Ant2	100	0
11AC40	5270	Ant1	100	0
11AC40	5270	Ant2	100	0
11AC40	5310	Ant1	100	0
11AC40	5310	Ant2	100	0
11AC40	5510	Ant1	100	0
11AC40	5510	Ant2	100	0
11AC40	5550	Ant1	100	0
11AC40	5550	Ant2	100	0
11AC40	5590	Ant1	100	0
11AC40	5590	Ant2	100	0
11AC40	5670	Ant1	100	0
11AC40	5670	Ant2	100	0
11AC40	5755	Ant1	100	0
11AC40	5755	Ant2	100	0
11AC40	5795	Ant1	100	0
11AC40	5795	Ant2	100	0
11AC80	5210	Ant1	100	0
11AC80	5210	Ant2	100	0
11AC80	5290	Ant1	100	0
11AC80	5290	Ant2	100	0
11AC80	5530	Ant1	100	0
11AC80	5530	Ant2	100	0
11AC80	5610	Ant1	100	0
11AC80	5610	Ant2	100	0
11AC80	5775	Ant1	100	0
11AC80	5775	Ant2	100	0



Report No.: SZEM170700767704 Page: 630 of 636

TNVN_11N40_5230_Ant1 × RBW 10 MHz * VBW 10 MHz Ref 23 dBm * Att 20 dB SWT 5 ms 20 А 1 RM -10 -30 3DB -40 -50 -60

Below are the golden test data for reference.

Center 5.23 GHz

500 µs/



Report No.: SZEM170700767704 Page: 631 of 636

8. (DFS: Channel Move Time; DFS: Channel Closing Transmission Time) Test plots as follows:

Remark: Only the data of Ant.2 is recorded.

Radar Waveform Calibration Result

Radar Type 0 (20MHz / 5500MHz)

Mar	ker 1	157	.528 m	S PI IFC	PNO: Fast Trig: Video IFGain:High #Atten: 0 dB			Avg Type Avg Hold:	: Log-Pwr 1/100	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N		
10 di	B/div	Ref	-20.00	dBm						Mkr1 1 -62.8	57.5 ms 87 dBm	
-30.0												
	<u>♦</u> 1											
-70.0											TRIG LVL	
-80.0	. <mark>I)</mark> (elles al l		housing to work by	de dour mente a ligh	long doed a statement op	ala a ^{la} pitatione da	aditional generality	n fweed a koorel oo	des litette state of	0.0000000000		
		1	Living a scale lot a	e la star po concentra la stancia e	i de la California de Las	h La yh În thi sa ad an Mara Mine yin y h	l ministra (filma in Villana) (fi	i den li se vidi, pi o i den ada	and design of the second s	a di Shini na si ka sa		
Cen Res	ter 5. BW 1	5000 .0 M	00000 G Hz	iHz	#VBW	1.0 MHz			Sweep	15.00 s (4	Span 0 Hz 10000 pts)	
MSG									STATU	S		



Report No.: SZEM170700767704 Page: 632 of 636





Report No.: SZEM170700767704 Page: 633 of 636

Test Data: Antenna 1

BW/Channel	Test Item	Test Result	Limit	Results
	Channel Move Time	0.494	<10 s	Pass
001VITZ/52901VITZ	Channel Closing Transmission Time	2.5	<60ms	Pass
	Channel Move Time	0.471	<10 s	Pass
00IVINZ/5550IVINZ	Channel Closing Transmission Time	2.5	<60ms	Pass

Test plots as follows:

80MHz/5290MHz

Keysight Spectrum Analy	zer - Swept SA								
Sweep Time 1.9	50 Ω DC		SEN	SE:INT	Avg Type	ALIGN AUTO RMS	11:10:01 AM TRAC	Aug 03, 2017	Sweep/Control
		IFGain:High	#Atten: 0	dB			DE		Sweep Time 1.900 ks
10 dB/div Ref -2	0.00 dBm								
Log									
-30.0									Sweep Setup ►
-40.0									
-50.0									
-60.0									
-70.0									
-80.0									
-90.0									
									Gate
-100									[Off,LO]
-110									Beinte
Contor 5 200000								non 0 Ha	30000
Res BW 1.0 MHz	000 GH2	#VBW	1.0 MHz*	:	5	Sweep 1	.900 ks (3	0000 pts)	
MSG						STATU	s		



Report No.: SZEM170700767704 Page: 634 of 636



Ke	ysight Spe	trum An	alyzer - Sw	ept SA								- 7 💌
LXI R	L	RF	50 Ω	DC		SEI	NSE:INT		ALIGN AUTO	09:49:11 P	Aug 02, 2017	Sweep/Control
					PNO: Fast ++- IFGain:High	Trig: Free #Atten: 0	e Run dB	• •		TYP		Sweep Time
												15.00 s
10 de	3/div	Ref	-20.00	dBm								
	ĺ											
-30.0												Sweep Setup ►
-40.0												
-50.0												
-60.0		1										
70.0												
-70.0												
-80.0												
-90.0												
-100												Gate
												[Off,LO]
-110												
												Points
Cen	ter 5.2	9000	0000	GHz					_	S	pan 0 Hz	30000
Res	BW 1.	U MH	Z		#VBW	1.0 MHz			Sweep	15.00 s (3	0000 pts)	
MSG									STATUS			



Report No.: SZEM170700767704 Page: 635 of 636

80MHz/5530MHz

Keysight S	Spectrum Analyzer - S	wept SA								
L <mark>XI</mark> RL	RF 50 9	ΩDC		SEN	ISE:INT		ALIGN AUTO	11:54:53 A	4 Aug 03, 2017	Sween/Control
Sweep	Time 1.900	KS		Tria: Free	Dun	Avg Type	RMS	TRAC		oncopicontion
			PNO: Fast ++	#Atten: 0	dB			DE	ΑΑΑΑΑ	Sweep Time
			n ouningn							1.900 ks
10 dB/div	Ref -20.00) dBm								
										Sween Setun M
-30.0										oncep octup.
-40.0										
50.0										
-30.0										
-60.0										
-70.0										
.80.0										
-00.0										
-90.0										
										Gate
-100										IOFFI OI
										[OII,LO]
-110										
										Dointe
										Points
Center 5	.530000000	GHz						S	pan 0 Hz	30000
Res BW	1.0 MHz		#VBW	1.0 MHz	:	\$	Sweep 1	.900 ks (3	0000 pts)	
MSG							STATUS		<u> </u>	
							STATUS			





Report No.: SZEM170700767704 Page: 636 of 636

