

Report No.: SZEM180600485001 Page: 1 of 48

Appendix B

E-UTRA BAND 5



Report No.: SZEM180600485001 Page: 2 of 48

CONTENT

1.	Effective (Isotropic) Radiated Power	3
	1.1. Test Result	3
2.	Peak-to-Average Ratio(CCDF)	8
	2.1. Test Result	8
	2.2. Test Plots	8
3.	Modulation Characteristics	11
	3.1. Test BAND = LTE BAND5	11
	3.1.1. Test Mode = LTE /TM1 10MHz	11
	3.1.1.1. Test Channel = MCH	11
	3.1.2. Test Mode = LTE /TM2 10MHz	12
	3.1.2.1. Test Channel = MCH	12
4.	26dB Bandwidth and Occupied Bandwidth	13
	4.1. Test Result	13
	4.2. Test Plots	14
5.	BAND EDGE COMPLIANCE	23
	5.1. Test Plots	23
6.	Spurious Emission at Antenna Terminal	40
	6.1. Test Plots	40
7.	Field Strength of Spurious Radiation	45
	7.1. Test BAND = LTE BAND 5	45
	7.1.1. Test Mode =LTE/TM1 10MHz	45
	7.1.1.1. Test Channel = LCH	45
	7.1.1.2. Test Channel = MCH	
	7.1.1.3. Test Channel = HCH	46
8.	Frequency Stability	47
	8.1. Frequency Vs Voltage	47
	8.2. Frequency Vs Temperature	47



Report No.: SZEM180600485001 Page: 3 of 48

1. Effective (Isotropic) Radiated Power

1.1.Test Result

BAND	AND Bandwidth Modulation C		Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
BAND5	1.4MHz	QPSK	20407	1RB#0	22.87	19.72	38.45	PASS
BAND5	1.4MHz	QPSK	20407	1RB#2	22.83	19.68	38.45	PASS
BAND5	1.4MHz	QPSK	20407	1RB#5	22.79	19.64	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#0	23.03	19.88	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#1	23.13	19.98	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#3	23.02	19.87	38.45	PASS
BAND5	1.4MHz	QPSK	20407	6RB#0	21.99	18.84	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#0	22.98	19.83	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#2	22.99	19.84	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#5	23.09	19.94	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#0	22.97	19.82	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#1	23.01	19.86	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#3	23.06	19.91	38.45	PASS
BAND5	1.4MHz	QPSK	20525	6RB#0	22.16	19.01	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#0	22.87	19.72	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#2	22.93	19.78	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#5	22.90	19.75	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#0	22.93	19.78	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#1	22.83	19.68	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#3	22.94	19.79	38.45	PASS
BAND5	1.4MHz	QPSK	20643	6RB#0	21.96	18.81	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#0	21.89	18.74	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#2	21.97	18.82	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#5	22.17	19.02	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#0	21.99	18.84	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#1	22.31	19.16	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#3	22.01	18.86	38.45	PASS
BAND5	1.4MHz	16QAM	20407	6RB#0	20.71	17.56	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#0	21.91	18.76	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#2	21.94	18.79	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#5	22.24	19.09	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#0	22.31	19.16	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#1	22.13	18.98	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#3	21.85	18.7	38.45	PASS



Report No.: SZEM180600485001 Page: 4 of 48

		1	n		r			
BAND5	1.4MHz	16QAM	20525	6RB#0	21.20	18.05	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#0	21.77	18.62	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#2	21.92	18.77	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#5	22.12	18.97	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#0	22.17	19.02	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#1	22.36	19.21	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#3	21.97	18.82	38.45	PASS
BAND5	1.4MHz	16QAM	20643	6RB#0	21.00	17.85	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#0	22.85	19.7	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#8	22.70	19.55	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#14	22.89	19.74	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#0	22.08	18.93	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#4	21.95	18.8	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#7	22.03	18.88	38.45	PASS
BAND5	3MHz	QPSK	20415	15RB#0	21.97	18.82	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#0	22.97	19.82	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#8	22.76	19.61	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#14	22.86	19.71	38.45	PASS
BAND5	3MHz	QPSK	20525	8RB#0	21.92	18.77	38.45	PASS
BAND5	3MHz	QPSK	20525	8RB#4	22.01	18.86	38.45	PASS
BAND5	3MHz	QPSK	20525	8RB#7	21.95	18.8	38.45	PASS
BAND5	3MHz	QPSK	20525	15RB#0	21.92	18.77	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#0	22.96	19.81	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#8	22.83	19.68	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#14	22.86	19.71	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#0	21.96	18.81	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#4	22.01	18.86	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#7	21.89	18.74	38.45	PASS
BAND5	3MHz	QPSK	20635	15RB#0	21.86	18.71	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#0	22.04	18.89	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#8	22.01	18.86	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#14	22.07	18.92	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#0	20.76	17.61	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#4	20.91	17.76	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#7	20.81	17.66	38.45	PASS
BAND5	3MHz	16QAM	20415	15RB#0	21.09	17.94	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#0	22.03	18.88	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#8	21.91	18.76	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#14	22.19	19.04	38.45	PASS
BAND5	3MHz	16QAM	20525	8RB#0	20.94	17.79	38.45	PASS
BAND5	3MHz	16QAM	20525	8RB#4	20.78	17.63	38.45	PASS
This documon		pany subject to its General Condit	l Viene of Comiles using	l	 	 	l na and Canditian	



Report No.: SZEM180600485001 Page: 5 of 48

BAND5	3MHz	16QAM	20525	15RB#0	20.96	17.81	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#0	22.26	19.11	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#8	21.98	18.83	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#14	21.80	18.65	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#0	20.92	17.77	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#4	21.10	17.95	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#7	20.76	17.61	38.45	PASS
BAND5	3MHz	16QAM	20635	15RB#0	20.98	17.83	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#0	22.90	19.75	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#12	22.63	19.48	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#24	22.88	19.73	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#0	21.97	18.82	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#6	22.03	18.88	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#13	22.06	18.91	38.45	PASS
BAND5	5MHz	QPSK	20425	25RB#0	22.13	18.98	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#0	23.12	19.97	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#12	22.90	19.75	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#24	22.96	19.81	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#0	22.13	18.98	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#6	21.95	18.8	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#13	22.14	18.99	38.45	PASS
BAND5	5MHz	QPSK	20525	25RB#0	22.09	18.94	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#0	23.02	19.87	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#12	22.85	19.7	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#24	23.15	20	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#0	21.90	18.75	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#6	21.91	18.76	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#13	22.13	18.98	38.45	PASS
BAND5	5MHz	QPSK	20625	25RB#0	21.97	18.82	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#0	22.02	18.87	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#12	21.93	18.78	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#24	21.94	18.79	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#0	20.68	17.53	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#6	20.92	17.77	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#13	21.04	17.89	38.45	PASS
BAND5	5MHz	16QAM	20425	25RB#0	20.95	17.8	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#0	22.26	19.11	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#12	22.17	19.02	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#24	22.18	19.03	38.45	PASS



Report No.: SZEM180600485001 Page: 6 of 48

BANDS SMHz IBQAM 20525 12RB#13 20.89 17.74 38.45 PASS BANDS 5MHz 16QAM 20525 12RB#0 21.11 17.96 38.45 PASS BANDS 5MHz 16QAM 20625 1RB#0 22.29 19.14 38.45 PASS BANDS 5MHz 16QAM 20625 1RB#24 22.18 18.73 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 20.89 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#6 20.97 17.82 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#6 20.97 17.74 38.45 PASS BANDS 10MHz QPSK 20450 1RB#0 22.96 19.81 38.45 PASS BANDS 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS <t< th=""><th>BAND5</th><th>5MHz</th><th>16QAM</th><th>20525</th><th>12RB#6</th><th>20.93</th><th>17.78</th><th>38.45</th><th>PASS</th></t<>	BAND5	5MHz	16QAM	20525	12RB#6	20.93	17.78	38.45	PASS
BANDS 5MHz 16QAM 20525 25RB#0 21.11 17.96 38.45 PASS BANDS 5MHz 16QAM 20625 1RB#0 22.29 19.14 38.45 PASS BANDS 5MHz 16QAM 20625 1RB#24 21.18 18.73 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 20.99 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 20.97 17.82 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 21.01 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 21.01 17.74 38.45 PASS BANDS 10MHz QPSK 20450 1RB#0 22.19 19.85 38.45 PASS BANDS 10MHz QPSK 20450 25RB#0 22.19 18.75 38.45 PASS									
BANDS 5MHz 16QAM 20625 1RB#0 22.29 19.14 38.45 PASS BANDS 5MHz 16QAM 20625 1RB#12 22.11 18.96 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 20.89 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#0 20.99 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 12RB#13 20.89 17.74 38.45 PASS BANDS 5MHz 16QAM 20625 25RB#0 21.01 17.86 38.45 PASS BANDS 10MHz QPSK 20450 1RB#24 23.00 19.81 38.45 PASS BANDS 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BANDS 10MHz QPSK 20450 25RB#0 22.81 18.9 38.45 PASS <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
BANDS SMHz 16QAM 20625 1RB#12 22.11 18.96 38.45 PASS BAND5 5MHz 16QAM 20625 1RB#24 21.88 18.73 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#0 20.99 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#13 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#0 22.96 19.81 38.45 PASS BAND5 10MHz QPSK 20450 1RB#0 22.96 19.81 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS <									
BAND5 5MHz 16QAM 20625 1RB#24 21.88 18.73 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#0 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#1 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 228RB#0 21.01 17.86 38.45 PASS BAND5 10MHz QPSK 20450 1RB#24 23.00 19.85 38.45 PASS BAND5 10MHz QPSK 20450 1RB#49 22.81 19.66 38.45 PASS BAND5 10MHz QPSK 20450 25RB#10 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#40 23.02 19.87 38.45 PASS <			-						
BANDS 5MHz 16QAM 20625 12RB#0 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#6 20.97 17.82 38.45 PASS BAND5 5MHz 16QAM 20625 12RB#13 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 25RB#0 21.01 17.86 38.45 PASS BAND5 10MHz QPSK 20450 1RB#0 22.36 19.81 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.05 18.75 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.75 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 22.06 19.81 38.45 PASS <td< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			-						
BANDS SMHz 16QAM 20625 12RB#6 20.97 17.82 38.45 PASS BAND5 SMHz 16QAM 20625 12RB#13 20.89 17.74 38.45 PASS BAND5 SMHz 16QAM 20625 25RB#0 21.01 17.86 38.45 PASS BAND5 10MHz QPSK 20450 1RB#24 23.00 19.85 38.45 PASS BAND5 10MHz QPSK 20450 1RB#44 22.81 19.66 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 25RB#25 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20450 25RB#26 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.81 38.45 PASS			-						
BANDS 5MHz 16QAM 20625 12RB#13 20.89 17.74 38.45 PASS BAND5 5MHz 16QAM 20625 25RB#0 21.01 17.86 38.45 PASS BAND5 10MHz QPSK 20450 1RB#0 22.96 19.81 38.45 PASS BAND5 10MHz QPSK 20450 1RB#49 22.81 19.66 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 125R#12 22.06 19.11 38.45 PASS <									
BAND5 SMHz 16QAM 20625 25RB#0 21.01 17.86 38.45 PASS BAND5 10MHz QPSK 20450 1RB#0 22.96 19.81 38.45 PASS BAND5 10MHz QPSK 20450 1RB#24 23.00 19.85 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 2.008 18.93 38.45 PASS <									
BAND5 10MHz QPSK 20450 1RB#0 22.96 19.81 38.45 PASS BAND5 10MHz QPSK 20450 1RB#24 23.00 19.85 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#25 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.06 18.93 38.45 PASS <td< td=""><td>BAND5</td><td>5MHz</td><td>16QAM</td><td>20625</td><td>25RB#0</td><td>21.01</td><td>17.86</td><td>38.45</td><td>PASS</td></td<>	BAND5	5MHz	16QAM	20625	25RB#0	21.01	17.86	38.45	PASS
BAND5 10MHz QPSK 20450 1RB#49 22.81 19.66 38.45 PASS BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.16 19.11 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.8 38.45 PASS	BAND5								
BAND5 10MHz QPSK 20450 25RB#0 22.38 19.23 38.45 PASS BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 25RB#25 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#25 21.95 18.83 38.45 PASS BAND5 10MHz QPSK 20500 1RB#0 23.03 19.88 38.45 PASS <	BAND5	10MHz	QPSK	20450	1RB#24	23.00	19.85	38.45	PASS
BAND5 10MHz QPSK 20450 25RB#12 21.97 18.82 38.45 PASS BAND5 10MHz QPSK 20450 25RB#25 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.18 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.8 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.11 38.45 PASS	BAND5	10MHz	QPSK	20450	1RB#49	22.81	19.66	38.45	PASS
BAND5 10MHz QPSK 20450 25RB#25 21.90 18.75 38.45 PASS BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.13 18.89 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS <td< td=""><td>BAND5</td><td>10MHz</td><td>QPSK</td><td>20450</td><td>25RB#0</td><td>22.38</td><td>19.23</td><td>38.45</td><td>PASS</td></td<>	BAND5	10MHz	QPSK	20450	25RB#0	22.38	19.23	38.45	PASS
BAND5 10MHz QPSK 20450 50RB#0 22.05 18.9 38.45 PASS BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#24 23.19 20.04 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.13 18.89 38.45 PASS BAND5 10MHz QPSK 20500 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS	BAND5	10MHz	QPSK	20450	25RB#12	21.97	18.82	38.45	PASS
BAND5 10MHz QPSK 20525 1RB#0 23.02 19.87 38.45 PASS BAND5 10MHz QPSK 20525 1RB#24 23.19 20.04 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.8 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS	BAND5	10MHz	QPSK	20450	25RB#25	21.90	18.75	38.45	PASS
BAND5 10MHz QPSK 20525 1RB#24 23.19 20.04 38.45 PASS BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.13 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS <	BAND5	10MHz	QPSK	20450	50RB#0	22.05	18.9	38.45	PASS
BAND5 10MHz QPSK 20525 1RB#49 22.99 19.84 38.45 PASS BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#25 21.95 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS <	BAND5	10MHz	QPSK	20525	1RB#0	23.02	19.87	38.45	PASS
BAND5 10MHz QPSK 20525 25RB#0 22.26 19.11 38.45 PASS BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#25 21.95 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.11 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 21.17 18.7 38.45 PASS <td< td=""><td>BAND5</td><td>10MHz</td><td>QPSK</td><td>20525</td><td>1RB#24</td><td>23.19</td><td>20.04</td><td>38.45</td><td>PASS</td></td<>	BAND5	10MHz	QPSK	20525	1RB#24	23.19	20.04	38.45	PASS
BAND5 10MHz QPSK 20525 25RB#12 22.08 18.93 38.45 PASS BAND5 10MHz QPSK 20525 25RB#25 21.95 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 50RB#0 21.99 18.84 38.45 PASS	BAND5	10MHz	QPSK	20525	1RB#49	22.99	19.84	38.45	PASS
BAND5 10MHz QPSK 20525 25RB#25 21.95 18.8 38.45 PASS BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.12 18.77 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 50RB#0 21.99 18.84 38.45 PASS <t< td=""><td>BAND5</td><td>10MHz</td><td>QPSK</td><td>20525</td><td>25RB#0</td><td>22.26</td><td>19.11</td><td>38.45</td><td>PASS</td></t<>	BAND5	10MHz	QPSK	20525	25RB#0	22.26	19.11	38.45	PASS
BAND5 10MHz QPSK 20525 50RB#0 22.13 18.98 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 50RB#0 21.99 18.84 38.45 PASS BAND5 10MHz 16QAM 20450 1RB#0 22.12 18.97 38.45 PASS <t< td=""><td>BAND5</td><td>10MHz</td><td>QPSK</td><td>20525</td><td>25RB#12</td><td>22.08</td><td>18.93</td><td>38.45</td><td>PASS</td></t<>	BAND5	10MHz	QPSK	20525	25RB#12	22.08	18.93	38.45	PASS
BAND5 10MHz QPSK 20600 1RB#0 23.03 19.88 38.45 PASS BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 25RB#25 21.78 18.63 38.45 PASS BAND5 10MHz QPSK 20600 50RB#0 21.99 18.84 38.45 PASS BAND5 10MHz 16QAM 20450 1RB#0 22.07 18.92 38.45 PASS <	BAND5	10MHz	QPSK	20525	25RB#25	21.95	18.8	38.45	PASS
BAND5 10MHz QPSK 20600 1RB#24 23.06 19.91 38.45 PASS BAND5 10MHz QPSK 20600 1RB#49 22.64 19.49 38.45 PASS BAND5 10MHz QPSK 20600 25RB#0 22.21 19.06 38.45 PASS BAND5 10MHz QPSK 20600 25RB#12 21.92 18.77 38.45 PASS BAND5 10MHz QPSK 20600 25RB#25 21.78 18.63 38.45 PASS BAND5 10MHz QPSK 20600 50RB#0 21.99 18.84 38.45 PASS BAND5 10MHz QPSK 20600 1RB#0 22.12 18.97 38.45 PASS BAND5 10MHz 16QAM 20450 1RB#0 22.07 18.92 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#12 21.10 17.95 38.45 PASS	BAND5	10MHz	QPSK	20525	50RB#0	22.13	18.98	38.45	PASS
BAND510MHzQPSK206001RB#4922.6419.4938.45PASSBAND510MHzQPSK2060025RB#022.2119.0638.45PASSBAND510MHzQPSK2060025RB#1221.9218.7738.45PASSBAND510MHzQPSK2060025RB#2521.7818.6338.45PASSBAND510MHzQPSK2060025RB#2521.7818.6338.45PASSBAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND	BAND5	10MHz	QPSK	20600	1RB#0	23.03	19.88	38.45	PASS
BAND510MHzQPSK2060025RB#022.2119.0638.45PASSBAND510MHzQPSK2060025RB#1221.9218.7738.45PASSBAND510MHzQPSK2060025RB#2521.7818.6338.45PASSBAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.0717.9238.45PASSBAND510MHz16QAM2045025RB#1221.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND5	BAND5	10MHz	QPSK	20600	1RB#24	23.06	19.91	38.45	PASS
BAND510MHzQPSK2060025RB#1221.9218.7738.45PASSBAND510MHzQPSK2060025RB#2521.7818.6338.45PASSBAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHzQPSK2060050RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND5<	BAND5	10MHz	QPSK	20600	1RB#49	22.64	19.49	38.45	PASS
BAND510MHzQPSK2060025RB#2521.7818.6338.45PASSBAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND5	BAND5	10MHz	QPSK	20600	25RB#0	22.21	19.06	38.45	PASS
BAND510MHzQPSK2060050RB#021.9918.8438.45PASSBAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#4922.3819.2338.45PASS <td>BAND5</td> <td>10MHz</td> <td>QPSK</td> <td>20600</td> <td>25RB#12</td> <td>21.92</td> <td>18.77</td> <td>38.45</td> <td>PASS</td>	BAND5	10MHz	QPSK	20600	25RB#12	21.92	18.77	38.45	PASS
BAND510MHz16QAM204501RB#022.1218.9738.45PASSBAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#4922.3819.2338.45PASSBAND510MHz16QAM205251RB#4922.3819.2338.45PASS	BAND5	10MHz	QPSK	20600	25RB#25	21.78	18.63	38.45	PASS
BAND510MHz16QAM204501RB#2422.0718.9238.45PASSBAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#4922.3819.2338.45PASS	BAND5	10MHz	QPSK	20600	50RB#0	21.99	18.84	38.45	PASS
BAND510MHz16QAM204501RB#4922.0718.9238.45PASSBAND510MHz16QAM2045025RB#021.1017.9538.45PASSBAND510MHz16QAM2045025RB#1221.1017.9538.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045025RB#2520.9217.7738.45PASSBAND510MHz16QAM2045050RB#021.0717.9238.45PASSBAND510MHz16QAM205251RB#022.0918.9438.45PASSBAND510MHz16QAM205251RB#2422.1919.0438.45PASSBAND510MHz16QAM205251RB#4922.3819.2338.45PASS	BAND5	10MHz	16QAM	20450	1RB#0	22.12	18.97	38.45	PASS
BAND5 10MHz 16QAM 20450 25RB#0 21.10 17.95 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#12 21.10 17.95 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#12 21.10 17.95 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#25 20.92 17.77 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#0 21.07 17.92 38.45 PASS BAND5 10MHz 16QAM 20450 50RB#0 21.07 17.92 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	1RB#24	22.07	18.92	38.45	PASS
BAND5 10MHz 16QAM 20450 25RB#12 21.10 17.95 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#25 20.92 17.77 38.45 PASS BAND5 10MHz 16QAM 20450 25RB#25 20.92 17.77 38.45 PASS BAND5 10MHz 16QAM 20450 50RB#0 21.07 17.92 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	1RB#49	22.07	18.92	38.45	PASS
BAND5 10MHz 16QAM 20450 25RB#25 20.92 17.77 38.45 PASS BAND5 10MHz 16QAM 20450 50RB#0 21.07 17.92 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	25RB#0	21.10	17.95	38.45	PASS
BAND5 10MHz 16QAM 20450 50RB#0 21.07 17.92 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	25RB#12	21.10	17.95	38.45	PASS
BAND5 10MHz 16QAM 20525 1RB#0 22.09 18.94 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	25RB#25	20.92	17.77	38.45	PASS
BAND5 10MHz 16QAM 20525 1RB#24 22.19 19.04 38.45 PASS BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20450	50RB#0	21.07	17.92	38.45	PASS
BAND5 10MHz 16QAM 20525 1RB#49 22.38 19.23 38.45 PASS	BAND5	10MHz	16QAM	20525	1RB#0	22.09	18.94	38.45	PASS
	BAND5	10MHz	16QAM	20525	1RB#24	22.19	19.04	38.45	PASS



Report No.: SZEM180600485001 Page: 7 of 48

BAND5	10MHz	16QAM	20525	25RB#0	21.07	17.92	38.45	PASS
BAND5	10MHz	16QAM	20525	25RB#12	21.05	17.9	38.45	PASS
BAND5	10MHz	16QAM	20525	25RB#25	20.99	17.84	38.45	PASS
BAND5	10MHz	16QAM	20525	50RB#0	20.95	17.8	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#0	22.48	19.33	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#24	22.12	18.97	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#49	21.70	18.55	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#0	20.85	17.7	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#12	20.84	17.69	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#25	21.01	17.86	38.45	PASS
BAND5	10MHz	16QAM	20600	50RB#0	21.03	17.88	38.45	PASS

Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level



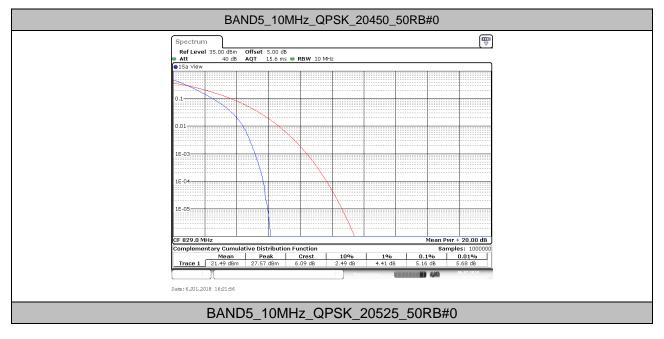
Report No.: SZEM180600485001 Page: 8 of 48

2. Peak-to-Average Ratio(CCDF)

2.1.Test Result

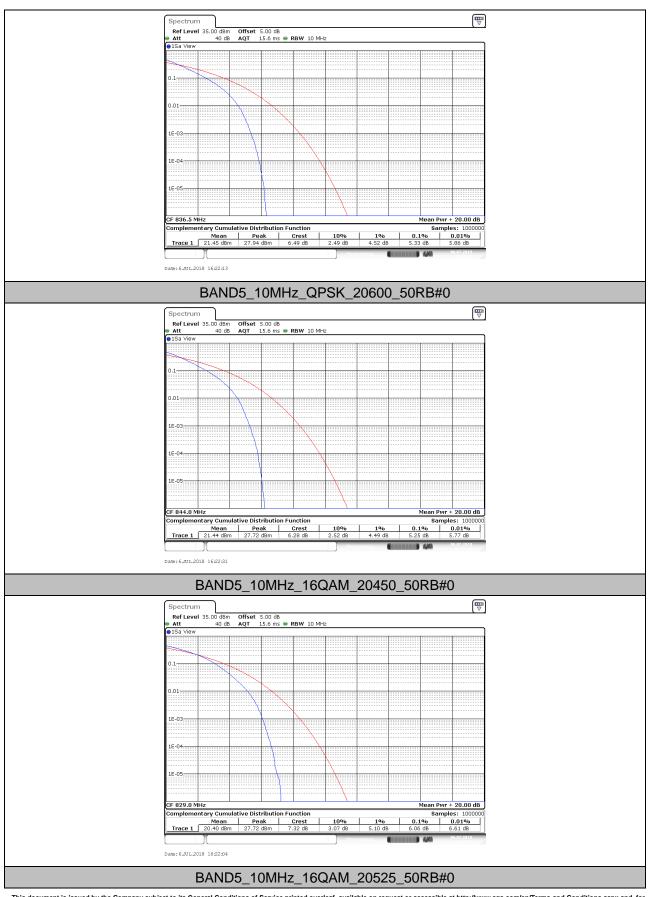
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND5	10MHz	QPSK	20450	50RB#0	5.16	13	PASS
BAND5	10MHz	QPSK	20525	50RB#0	5.33	13	PASS
BAND5	10MHz	QPSK	20600	50RB#0	5.25	13	PASS
BAND5	10MHz	16QAM	20450	50RB#0	6.06	13	PASS
BAND5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
BAND5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

2.2. Test Plots



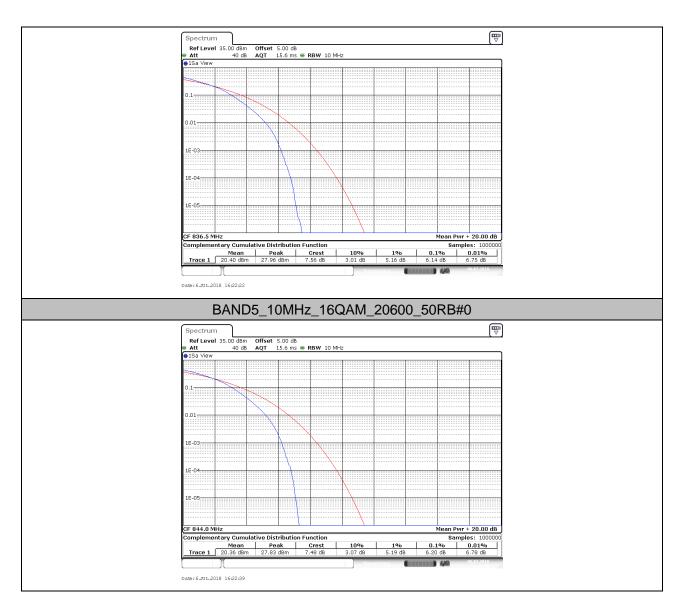


Report No.: SZEM180600485001 Page: 9 of 48





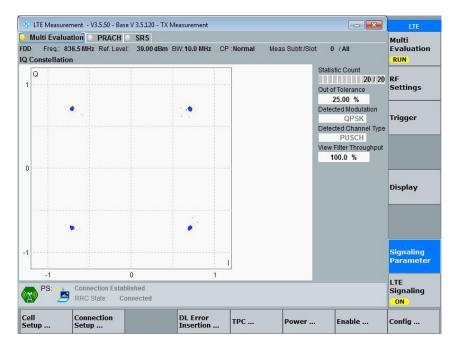
Report No.: SZEM180600485001 Page: 10 of 48





Report No.: SZEM180600485001 Page: 11 of 48

- 3. Modulation Characteristics
- 3.1.Test BAND = LTE BAND5
- 3.1.1. Test Mode = LTE /TM1 10MHz
- 3.1.1.1. Test Channel = MCH

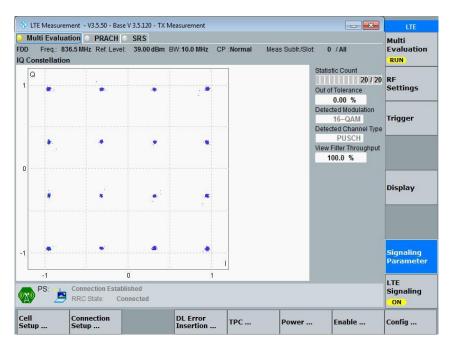




Report No.: SZEM180600485001 Page: 12 of 48

3.1.2. Test Mode = LTE /TM2 10MHz

3.1.2.1. Test Channel = MCH





Report No.: SZEM180600485001 Page: 13 of 48

4. 26dB Bandwidth and Occupied Bandwidth

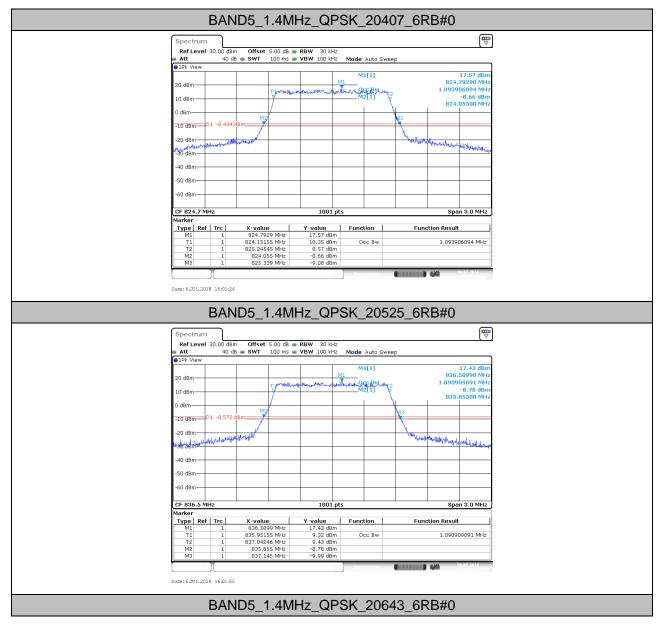
4.1.Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND5	1.4MHz	QPSK	20407	6RB#0	1.094	1.284	PASS
BAND5	1.4MHz	QPSK	20525	6RB#0	1.091	1.290	PASS
BAND5	1.4MHz	QPSK	20643	6RB#0	1.094	1.293	PASS
BAND5	1.4MHz	16QAM	20407	6RB#0	1.091	1.284	PASS
BAND5	1.4MHz	16QAM	20525	6RB#0	1.091	1.284	PASS
BAND5	1.4MHz	16QAM	20643	6RB#0	1.091	1.281	PASS
BAND5	3MHz	QPSK	20415	15RB#0	2.703	2.994	PASS
BAND5	3MHz	QPSK	20525	15RB#0	2.697	2.988	PASS
BAND5	3MHz	QPSK	20635	15RB#0	2.703	3.000	PASS
BAND5	3MHz	16QAM	20415	15RB#0	2.685	2.970	PASS
BAND5	3MHz	16QAM	20525	15RB#0	2.691	2.970	PASS
BAND5	3MHz	16QAM	20635	15RB#0	2.691	2.982	PASS
BAND5	5MHz	QPSK	20425	25RB#0	4.486	4.910	PASS
BAND5	5MHz	QPSK	20525	25RB#0	4.476	4.950	PASS
BAND5	5MHz	QPSK	20625	25RB#0	4.476	4.920	PASS
BAND5	5MHz	16QAM	20425	25RB#0	4.496	4.950	PASS
BAND5	5MHz	16QAM	20525	25RB#0	4.496	4.970	PASS
BAND5	5MHz	16QAM	20625	25RB#0	4.486	4.960	PASS
BAND5	10MHz	QPSK	20450	50RB#0	8.911	9.740	PASS
BAND5	10MHz	QPSK	20525	50RB#0	8.931	9.800	PASS
BAND5	10MHz	QPSK	20600	50RB#0	8.931	9.720	PASS
BAND5	10MHz	16QAM	20450	50RB#0	8.911	9.740	PASS
BAND5	10MHz	16QAM	20525	50RB#0	8.931	9.780	PASS
BAND5	10MHz	16QAM	20600	50RB#0	8.911	9.720	PASS



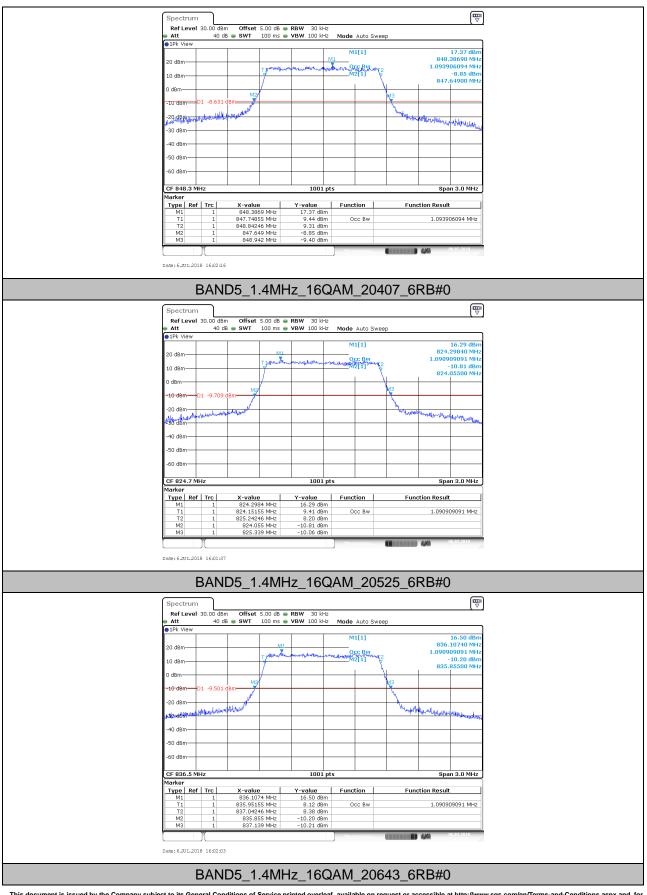
Report No.: SZEM180600485001 Page: 14 of 48

4.2. Test Plots



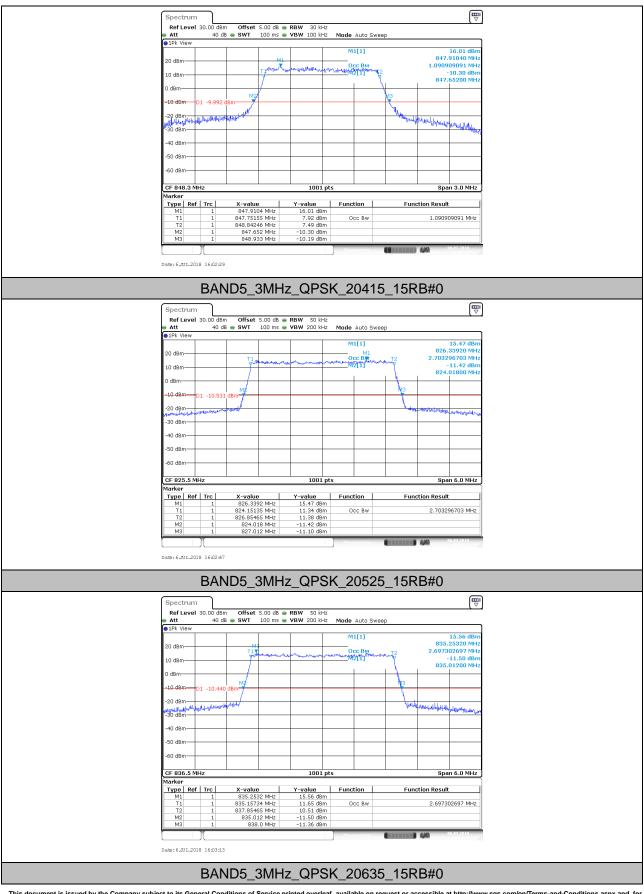


Report No.: SZEM180600485001 Page: 15 of 48



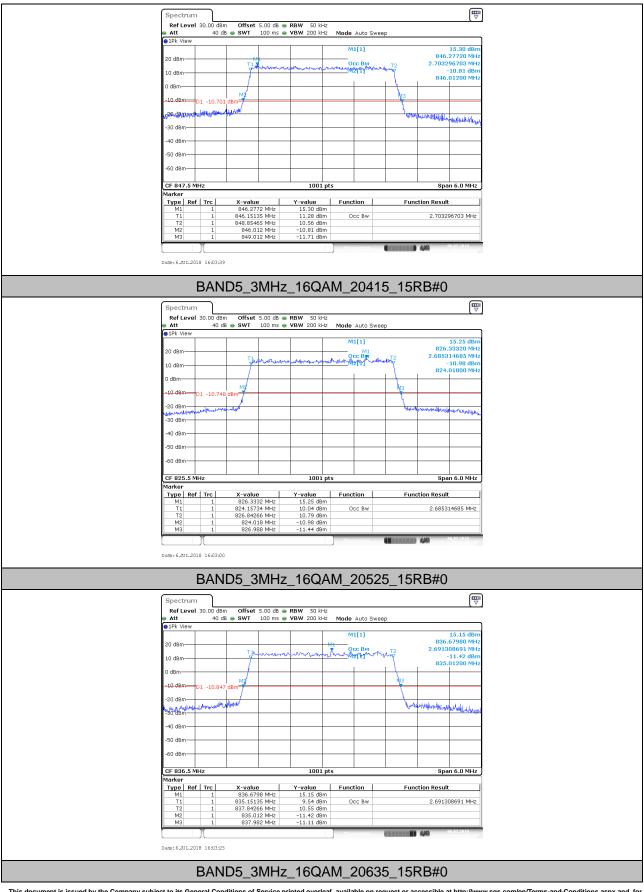


Report No.: SZEM180600485001 Page: 16 of 48



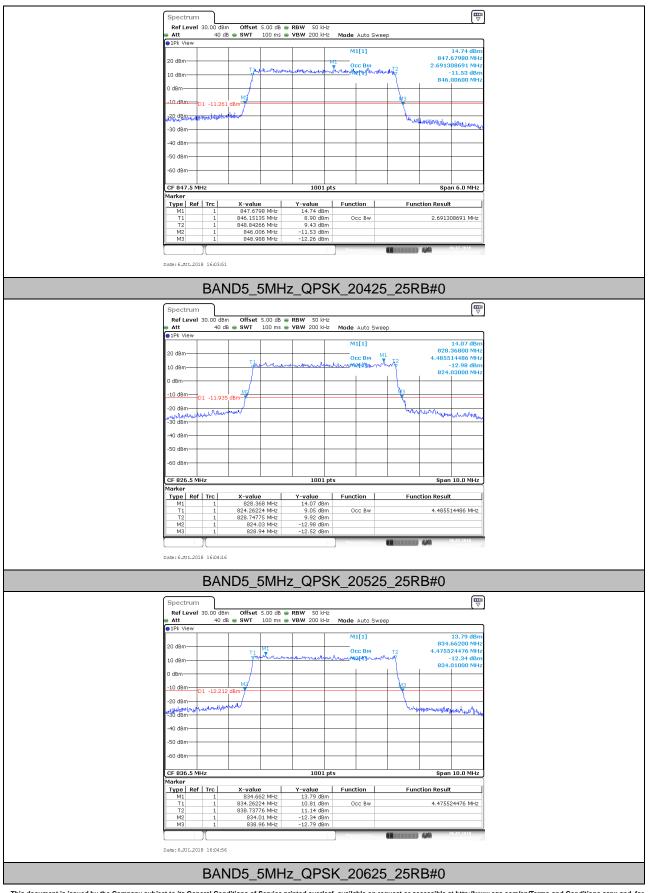


Report No.: SZEM180600485001 Page: 17 of 48



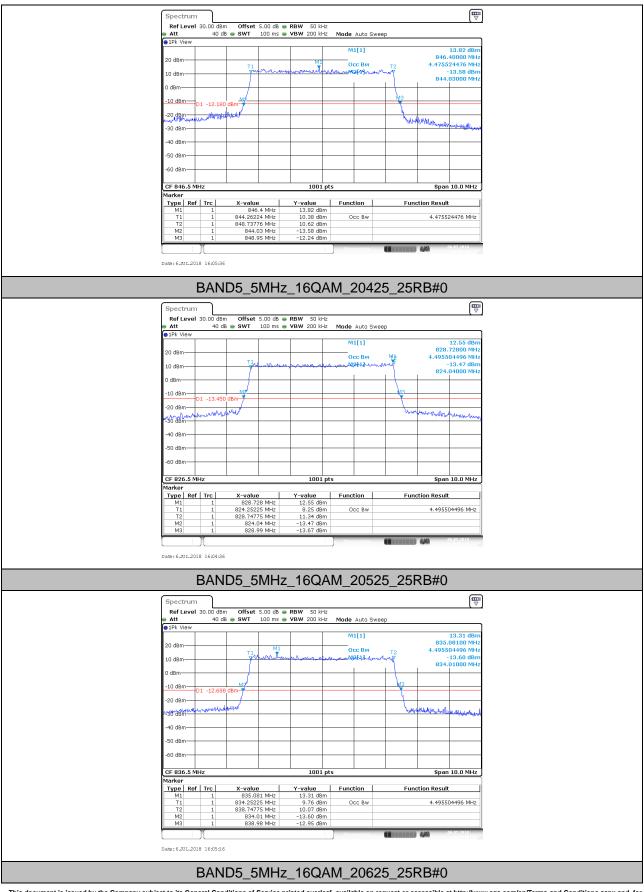


Report No.: SZEM180600485001 Page: 18 of 48



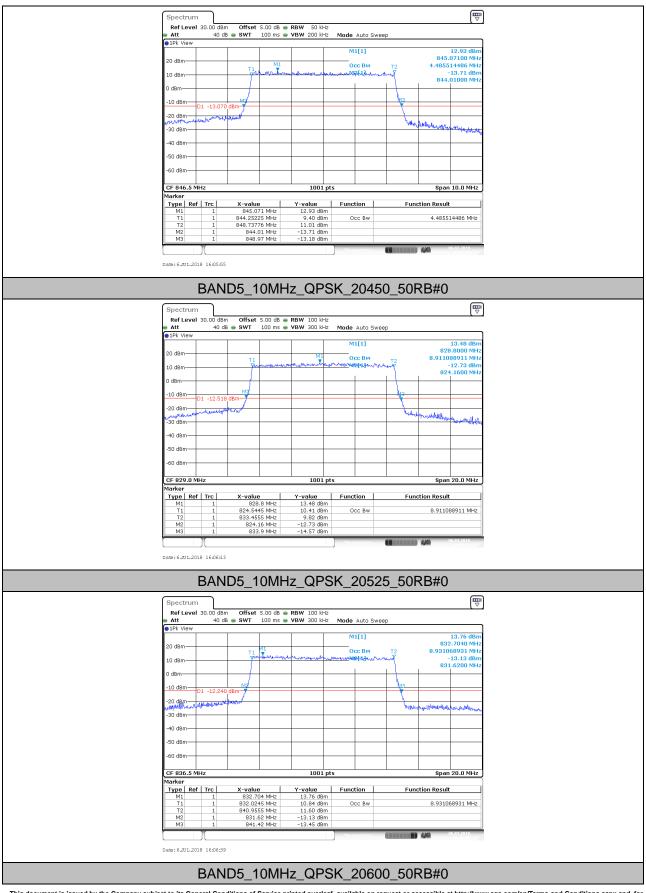


Report No.: SZEM180600485001 Page: 19 of 48



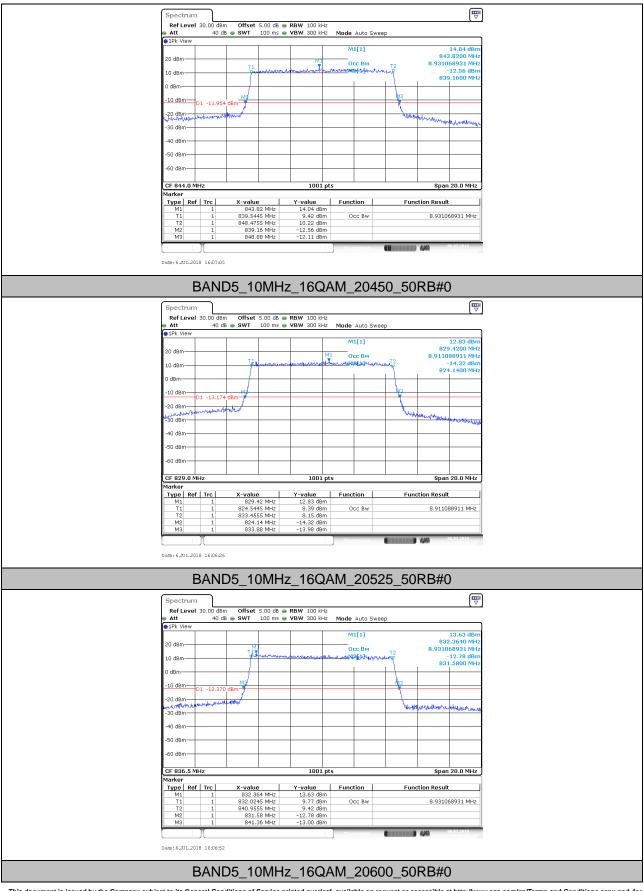


Report No.: SZEM180600485001 Page: 20 of 48



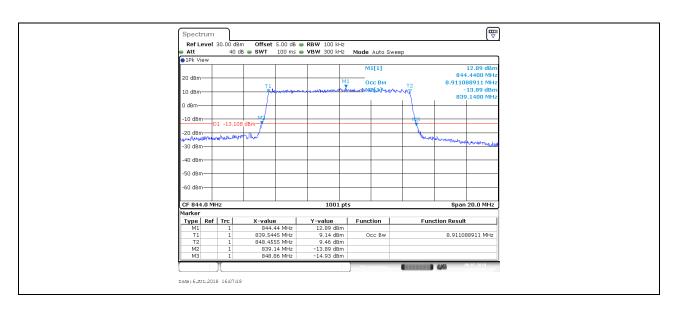


Report No.: SZEM180600485001 Page: 21 of 48





Report No.: SZEM180600485001 Page: 22 of 48

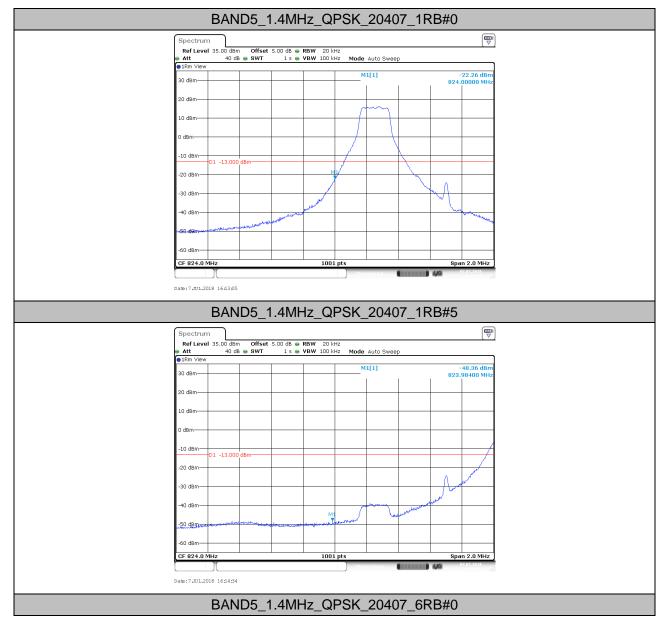




Report No.: SZEM180600485001 Page: 23 of 48

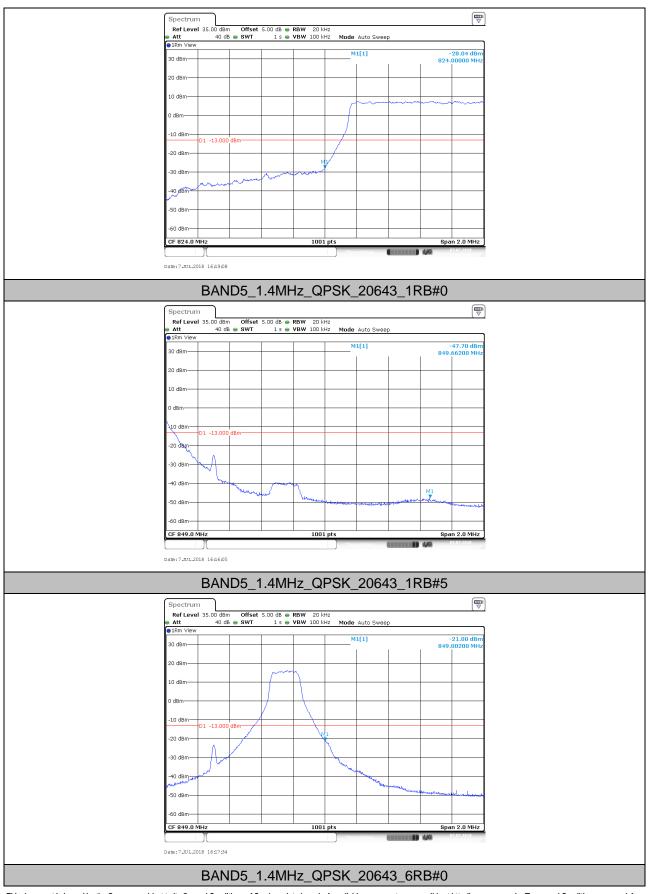
5. Band Edge Compliance

5.1.Test Plots



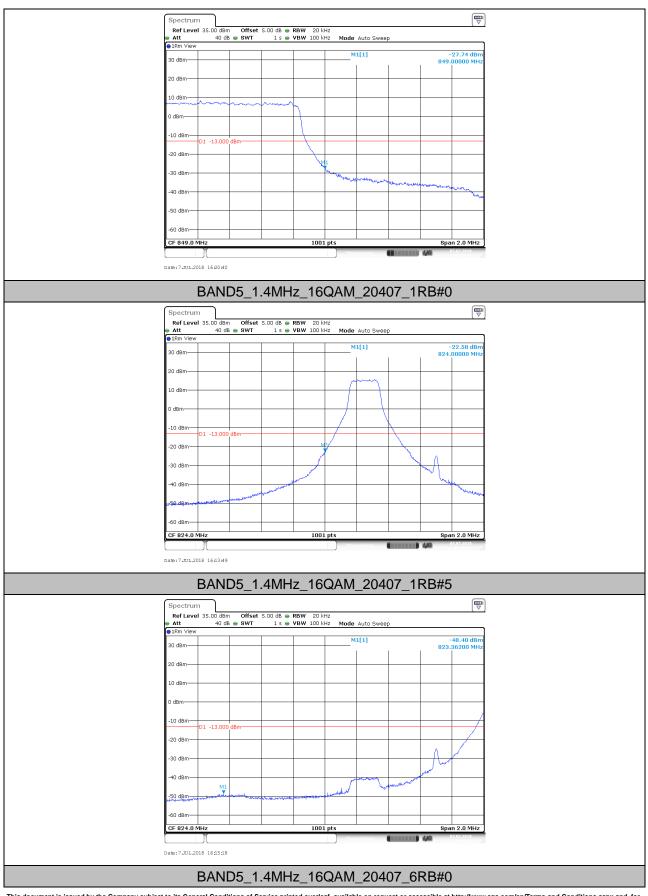


Report No.: SZEM180600485001 Page: 24 of 48



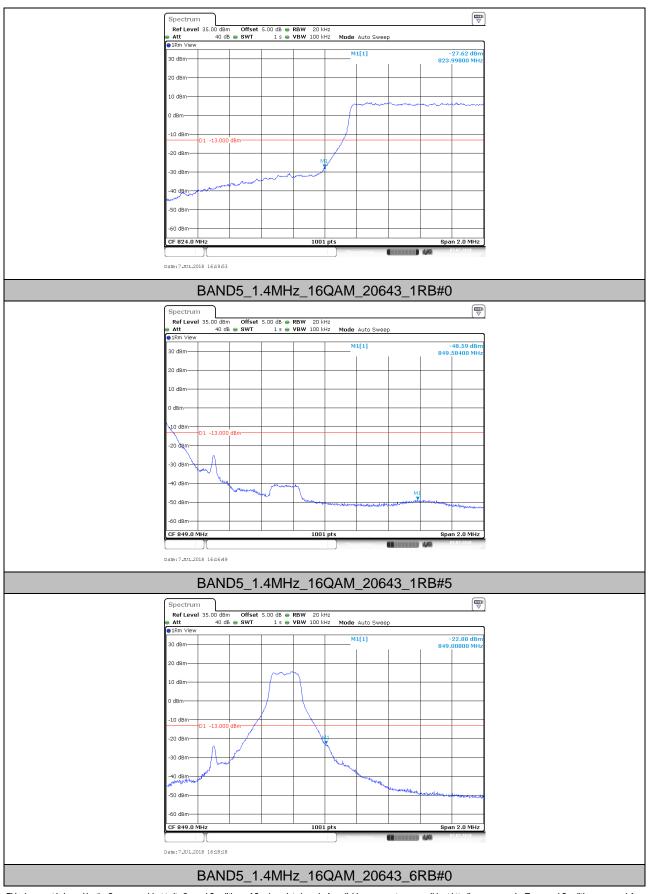


Report No.: SZEM180600485001 Page: 25 of 48



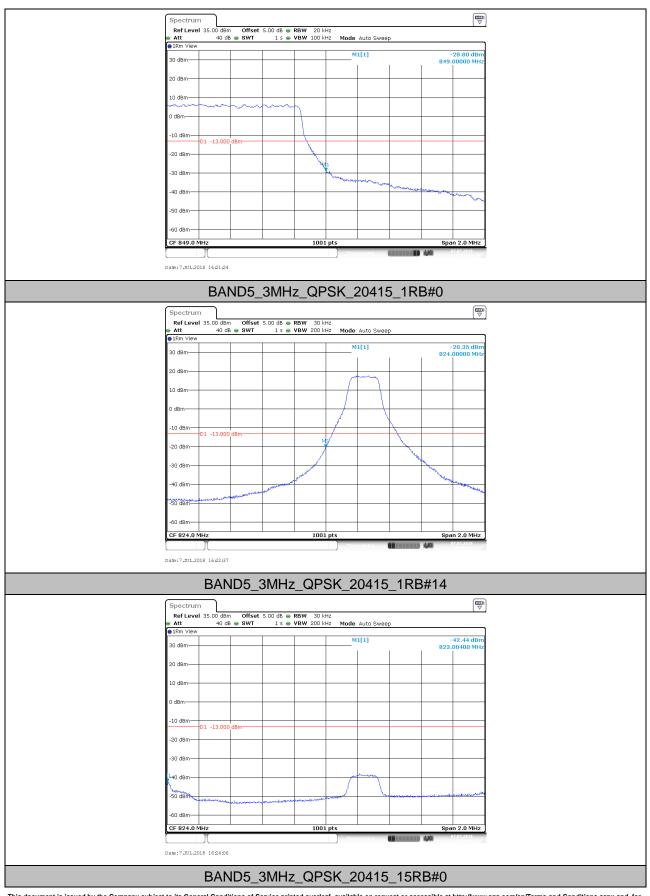


Report No.: SZEM180600485001 Page: 26 of 48



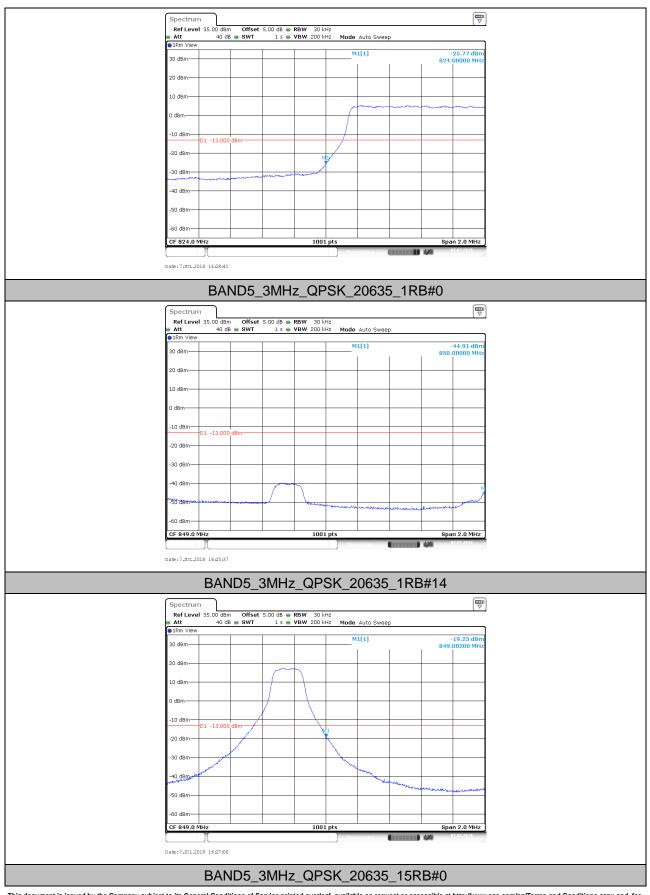


Report No.: SZEM180600485001 Page: 27 of 48



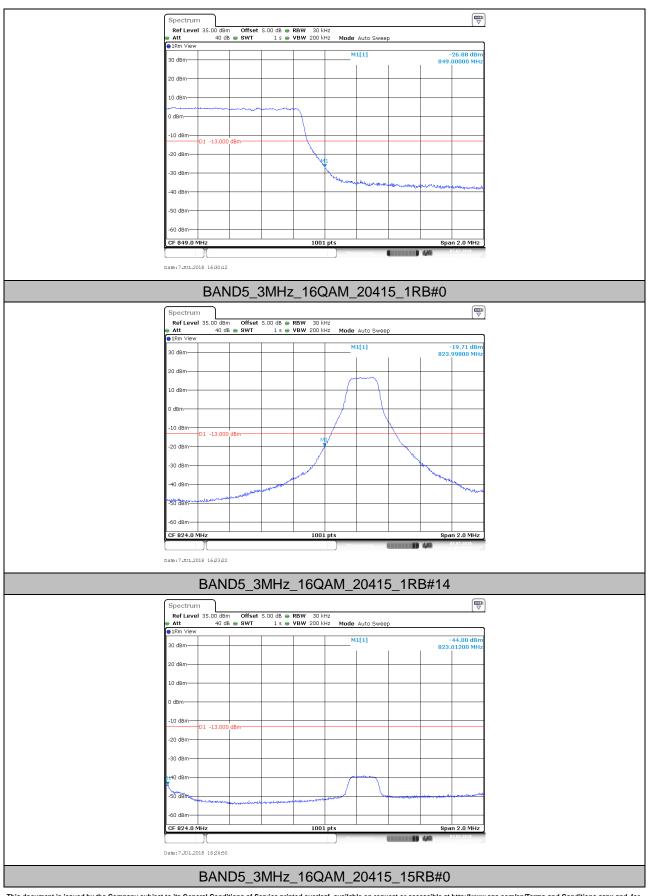


Report No.: SZEM180600485001 Page: 28 of 48



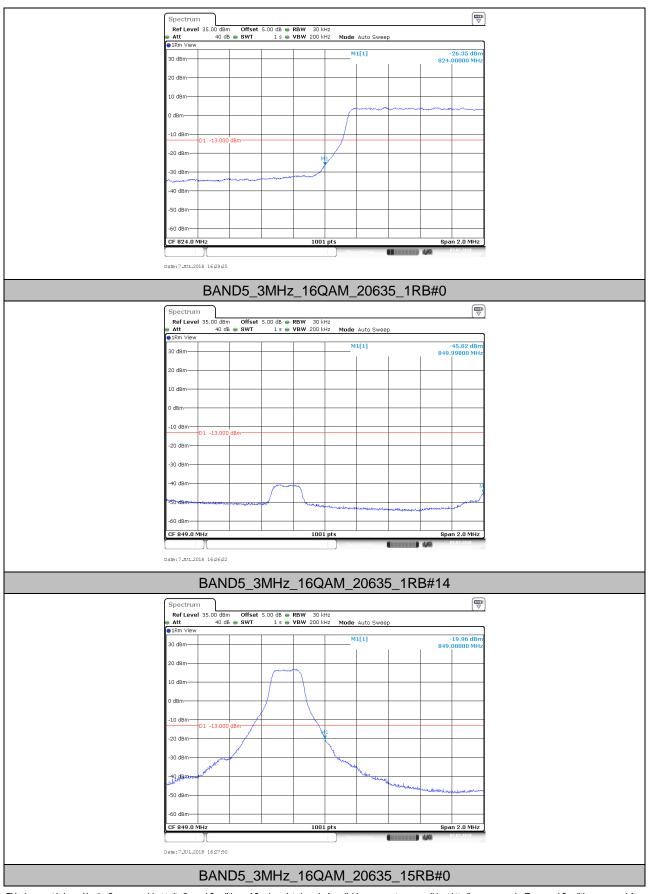


Report No.: SZEM180600485001 Page: 29 of 48



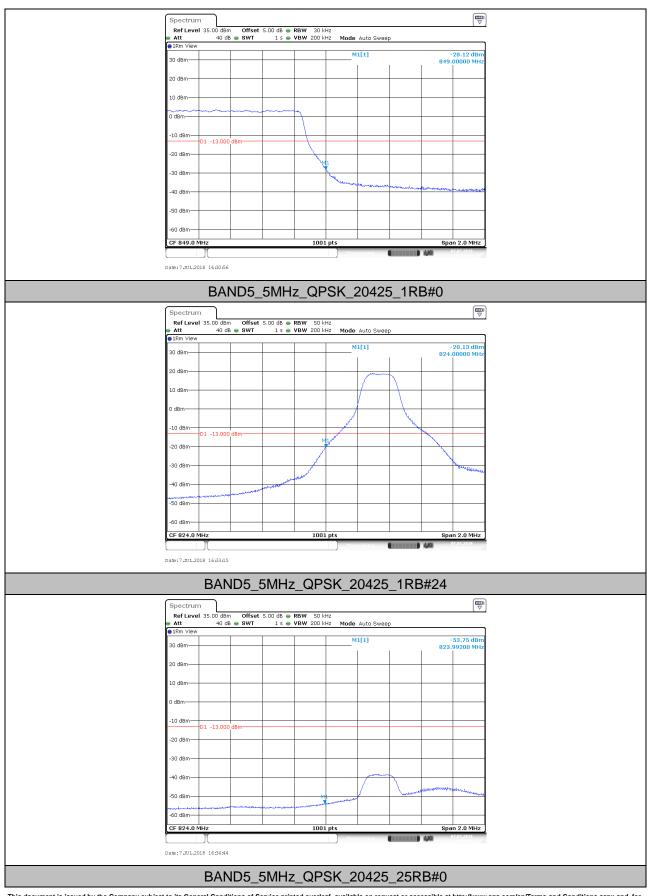


Report No.: SZEM180600485001 Page: 30 of 48



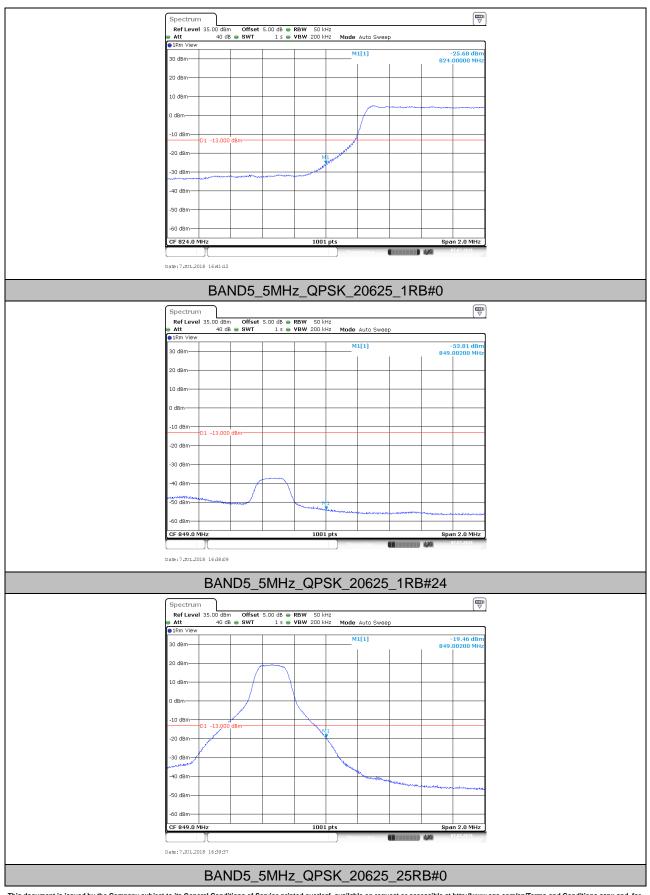


Report No.: SZEM180600485001 Page: 31 of 48



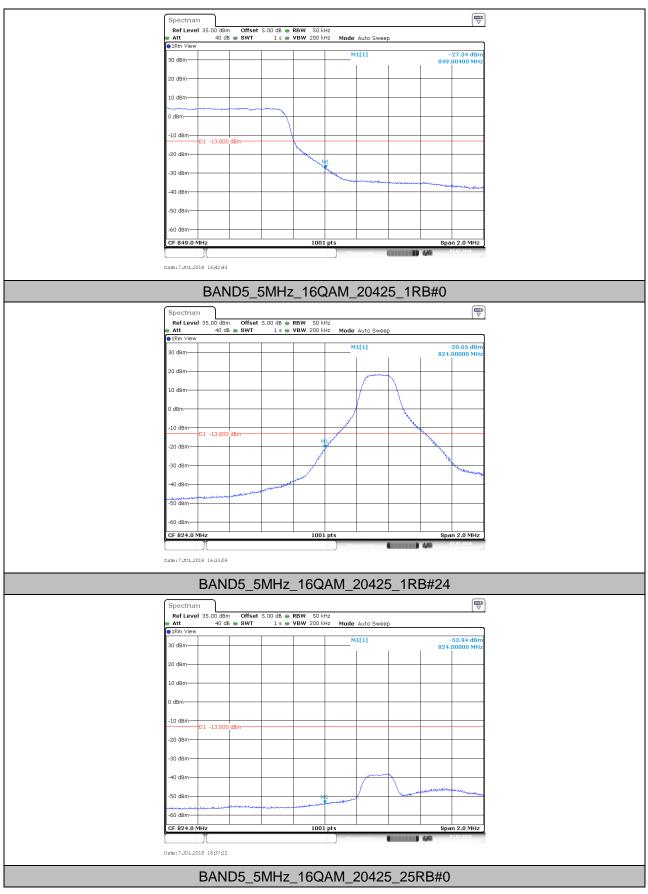


Report No.: SZEM180600485001 Page: 32 of 48



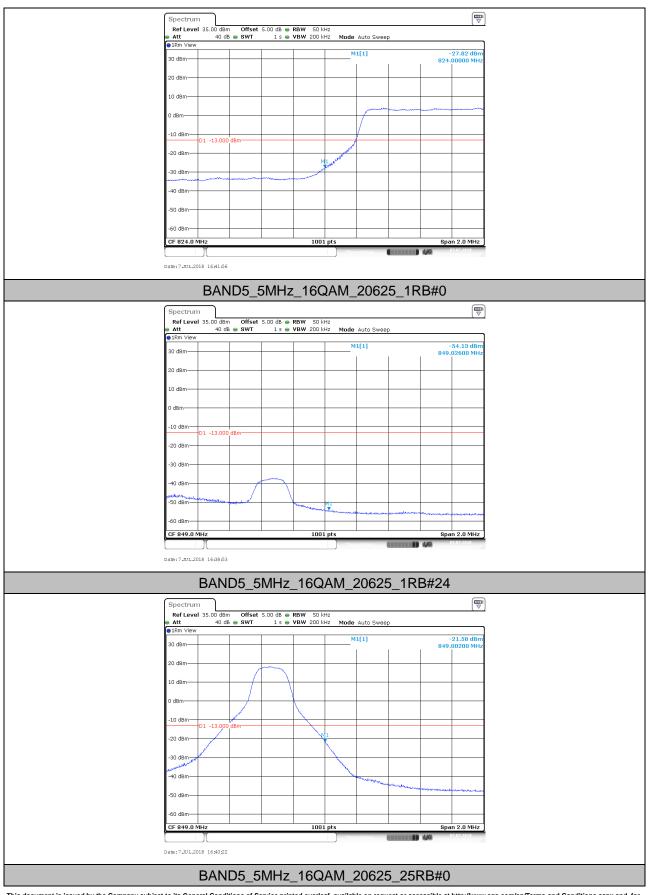


Report No.: SZEM180600485001 Page: 33 of 48



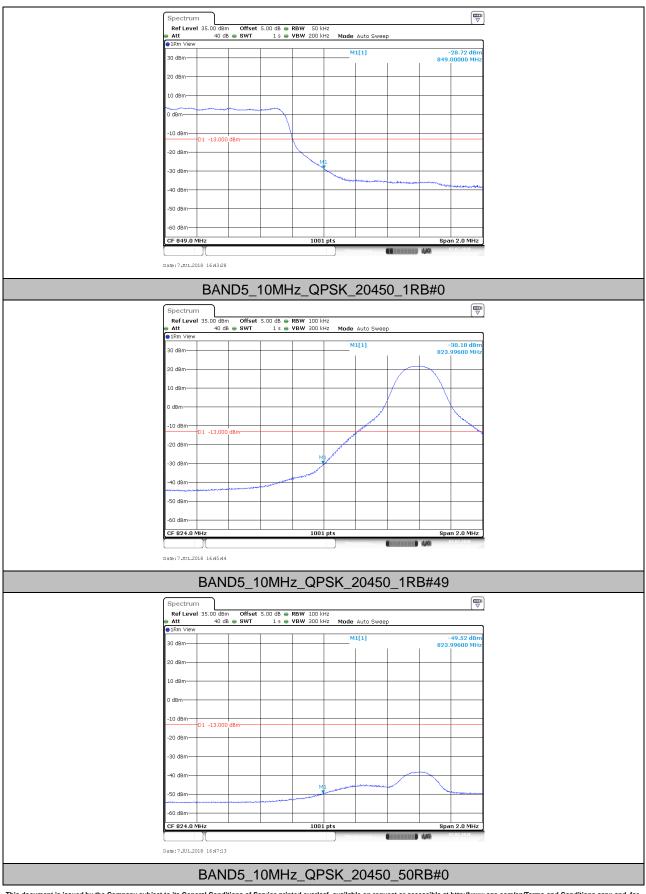


Report No.: SZEM180600485001 Page: 34 of 48



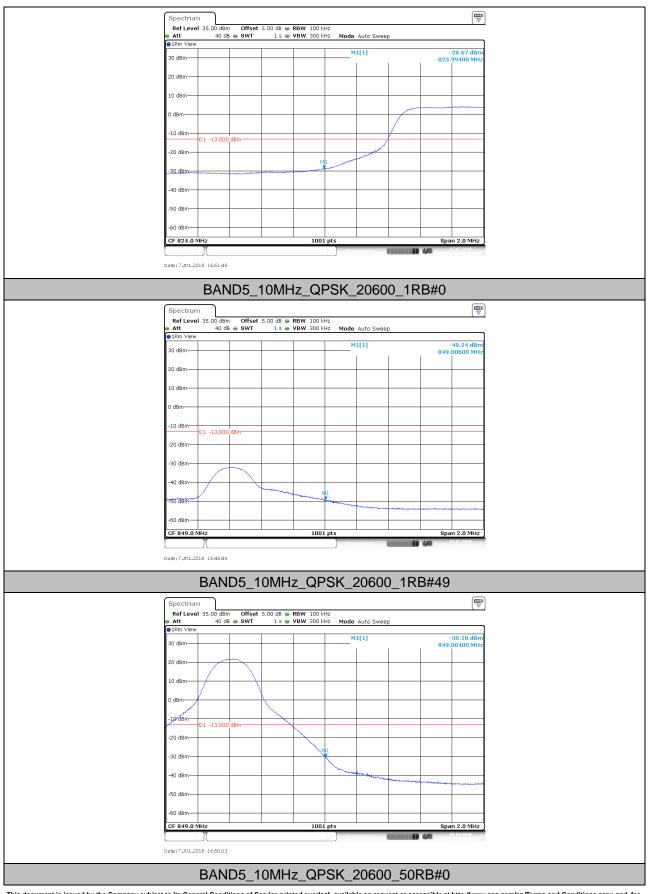


Report No.: SZEM180600485001 Page: 35 of 48



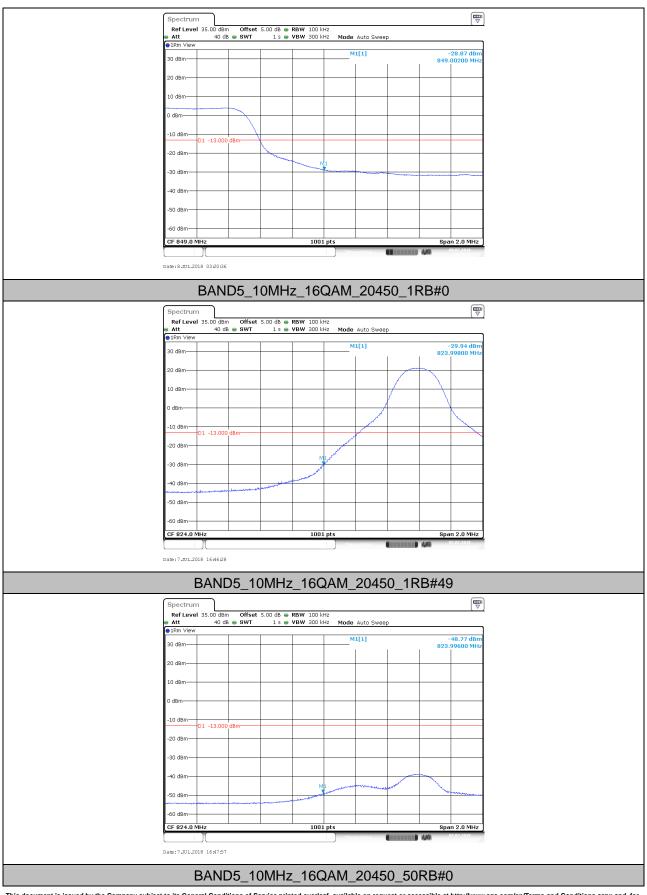


Report No.: SZEM180600485001 Page: 36 of 48



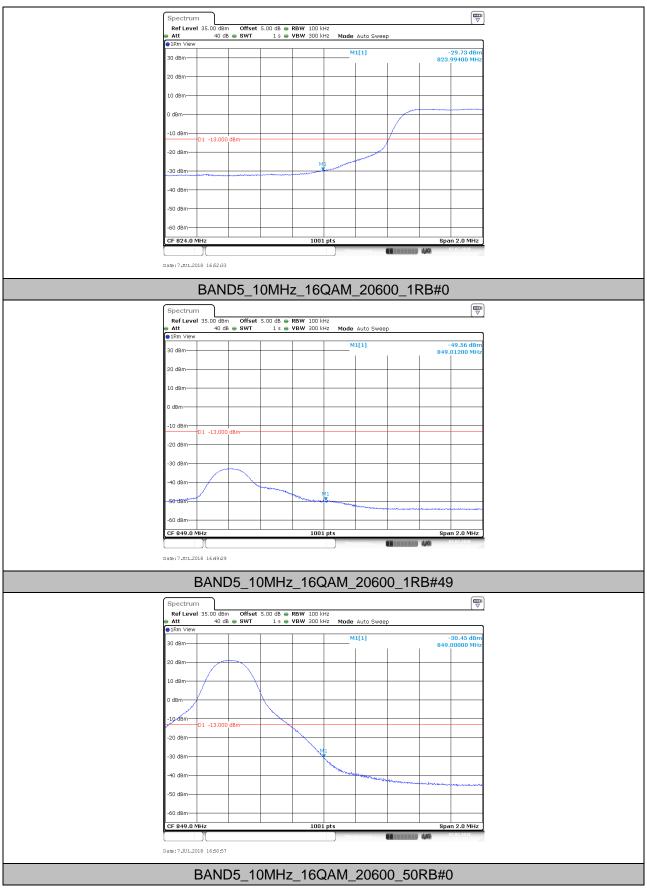


Report No.: SZEM180600485001 Page: 37 of 48



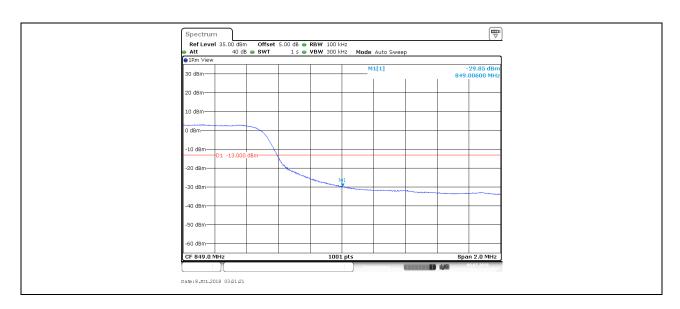


Report No.: SZEM180600485001 Page: 38 of 48





Report No.: SZEM180600485001 Page: 39 of 48



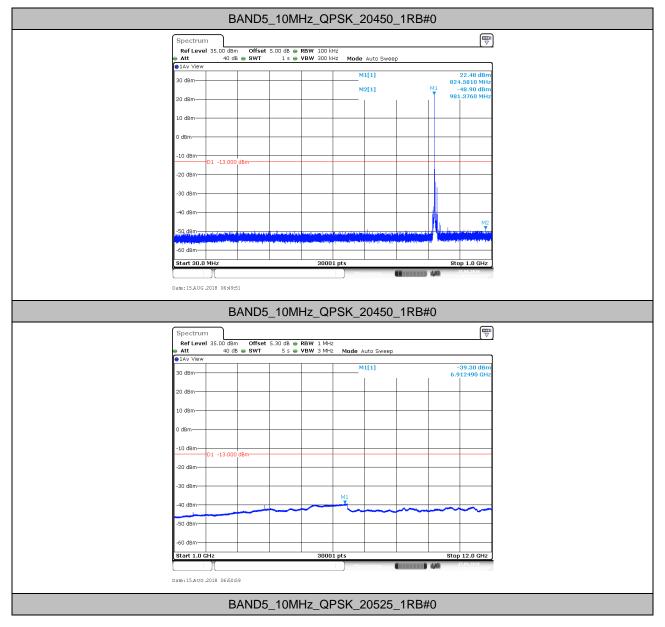


Report No.: SZEM180600485001 Page: 40 of 48

6. Spurious Emission at Antenna Terminal

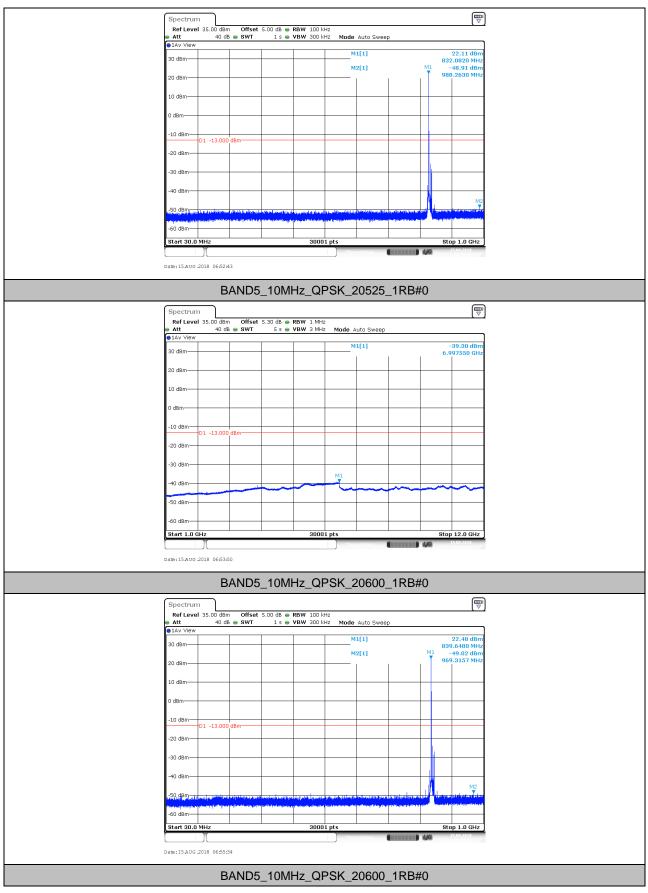
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowBAND signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

6.1.Test Plots



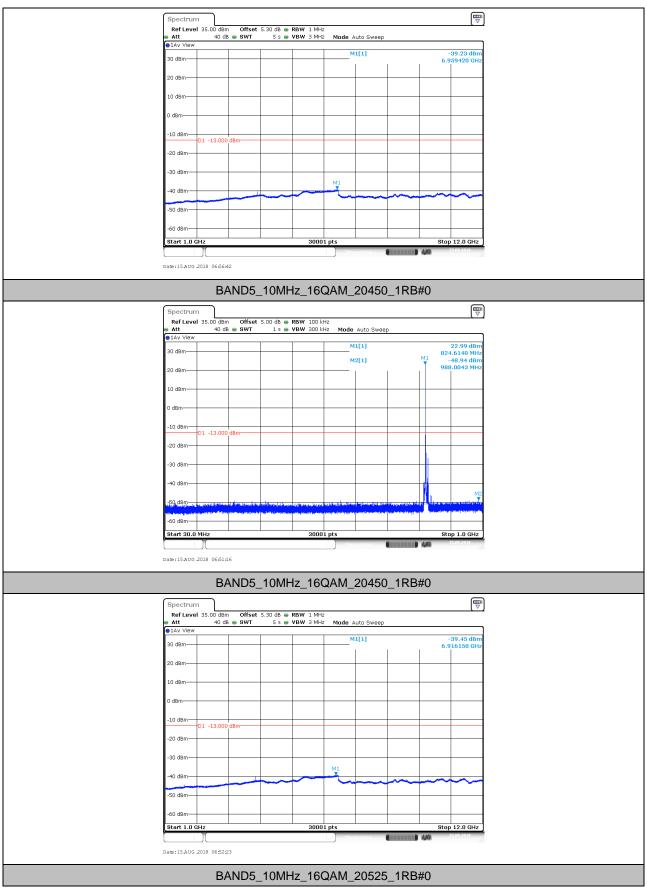


Report No.: SZEM180600485001 Page: 41 of 48



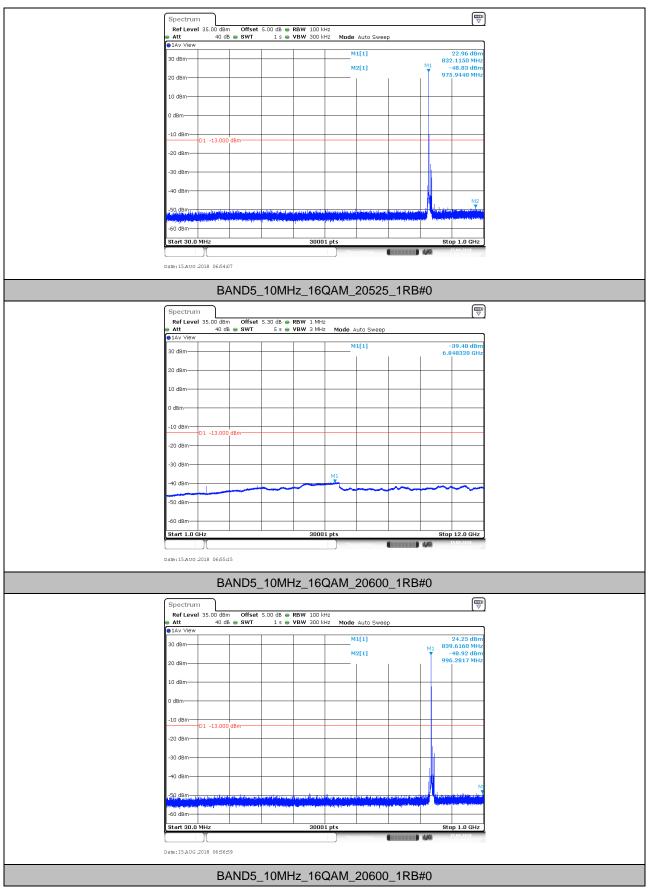


Report No.: SZEM180600485001 Page: 42 of 48



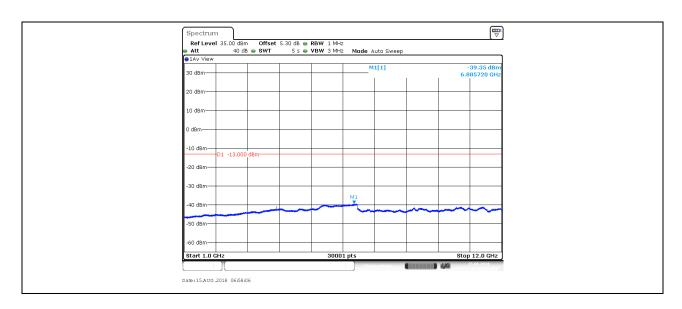


Report No.: SZEM180600485001 Page: 43 of 48





Report No.: SZEM180600485001 Page: 44 of 48





Report No.: SZEM180600485001 Page: 45 of 48

7. Field Strength of Spurious Radiation

7.1.Test BAND = LTE BAND 5

7.1.1. Test Mode =LTE/TM1 10MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
63.740000	-82.16	-13.00	69.16	Vertical
124.966667	-86.08	-13.00	73.08	Vertical
1649.000000	-58.89	-13.00	45.89	Vertical
2473.500000	-58.43	-13.00	45.43	Vertical
3298.350000	-68.08	-13.00	55.08	Vertical
4122.712500	-54.16	-13.00	41.16	Vertical
63.693333	-77.87	-13.00	64.87	Horizontal
142.746667	-89.68	-13.00	76.68	Horizontal
1649.000000	-53.38	-13.00	40.38	Horizontal
2474.000000	-58.19	-13.00	45.19	Horizontal
3298.350000	-66.85	-13.00	53.85	Horizontal
4122.712500	-48.92	-13.00	35.92	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
64.253333	-81.93	-13.00	68.93	Vertical
124.966667	-85.34	-13.00	72.34	Vertical
1664.000000	-57.84	-13.00	44.84	Vertical
2448.500000	-58.12	-13.00	45.12	Vertical
3328.087500	-68.40	-13.00	55.40	Vertical
4160.250000	-57.73	-13.00	44.73	Vertical
63.646667	-78.33	-13.00	65.33	Horizontal
422.420000	-82.45	-13.00	69.45	Horizontal
1664.000000	-53.23	-13.00	40.23	Horizontal
2448.000000	-57.09	-13.00	44.09	Horizontal



Report No.: SZEM180600485001 Page: 46 of 48

3328.087500	-66.13	-13.00	53.13	Horizontal
4160.250000	-53.81	-13.00	40.81	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
64.533333	-81.66	-13.00	68.66	Vertical
124.966667	-86.38	-13.00	73.38	Vertical
1679.000000	-56.43	-13.00	43.43	Vertical
2464.500000	-58.96	-13.00	45.96	Vertical
3358.312500	-68.55	-13.00	55.55	Vertical
4197.787500	-54.00	-13.00	41.00	Vertical
62.106667	-77.90	-13.00	64.90	Horizontal
265.713333	-87.65	-13.00	74.65	Horizontal
1679.000000	-55.71	-13.00	42.71	Horizontal
2457.000000	-57.45	-13.00	44.45	Horizontal
3357.825000	-67.42	-13.00	54.42	Horizontal
4197.787500	-50.05	-13.00	37.05	Horizontal

NOTE:

- 1) All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



Report No.: SZEM180600485001 Page: 47 of 48

8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND5	10MHz	QPSK	20450	50RB#0	VL	NT	-5.85	-0.007057	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	VN	NT	-7.58	-0.009144	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	VH	NT	-7.55	-0.009107	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VL	NT	-8.96	-0.010711	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VN	NT	-8.91	-0.010652	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VH	NT	-7.41	-0.008858	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VL	NT	-8.28	-0.009810	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VN	NT	-6.22	-0.007370	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VH	NT	-9.14	-0.010829	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VL	NT	-6.59	-0.007949	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VN	NT	-6.62	-0.007986	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VH	NT	-6.12	-0.007382	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VL	NT	-7.34	-0.008775	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VN	NT	-8.17	-0.009767	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VH	NT	-6.49	-0.007759	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VL	NT	-7.62	-0.009028	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VN	NT	-8.31	-0.009846	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VH	NT	-8.33	-0.009870	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND5	10MHz	QPSK	20450	50RB#0	NV	-30	-6.34	-0.007648	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	-20	-6.15	-0.007419	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	0	5.35	0.006454	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	10	-7.42	-0.008951	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	20	-6.92	-0.008347	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	-30	-6.57	-0.007854	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	-20	-7.22	-0.008631	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	0	5.41	0.006467	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	10	-7.77	-0.009289	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	20	-7.41	-0.008858	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	-30	-9.31	-0.011031	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	-20	-7.95	-0.009419	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	0	6.67	0.007903	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	10	-8.18	-0.009692	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	20	-7.21	-0.008543	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	-30	-6.59	-0.007949	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	-20	-7.22	-0.008709	±2.5	PASS



Report No.: SZEM180600485001 Page: 48 of 48

BAND5	10MHz	16QAM	20450	50RB#0	NV	0	5.71	0.006888	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	10	-7.72	-0.009312	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	20	-6.12	-0.007382	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	-30	-6.69	-0.007998	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	-20	-7.55	-0.009026	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	0	-10.04	-0.012002	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	10	-8.93	-0.010675	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	20	-7.71	-0.009217	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	-30	-7.51	-0.008898	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	-20	-7.64	-0.009052	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	0	-6.77	-0.008021	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	10	-7.52	-0.008910	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	20	-6.44	-0.007630	±2.5	PASS

The End