

Report No.: SZEM180700654901 Page: 1 of 90

Appendix B

E-UTRA Band CA_41C



Report No.: SZEM180700654901 Page: 2 of 90

CONTENT

1	EFFECTIVE	E (ISOTROPIC) RADIATED POWER OUTPUT DATA	3
2	PEAK-TO-A	VERAGE RATIO	5
	2.1 For LT	FE_CA_41C	6
		t Band = Bandwidth=100RB+25RB	
	2.1.2 Tes	t Band = Bandwidth=100RB+100RB	15
3	MODULATI	ON CHARACTERISTICS	25
	3.1 For LT	re	25
		t Band = LTE Band CA_41C	
4	BANDWIDT	Н	28
	4.1 For LT	re_ca_41c	29
	4.1.1 Tes	t Band = Bandwidth=100RB+25RB	29
	4.1.2 Tes	t Band = Bandwidth=100RB+100RB	38
5	BAND EDG	ES COMPLIANCE	48
	5.1 For LT	FE_CA_41C	48
	5.1.1 Tes	t Band = Bandwidth=100RB+25RB	48
	5.1.2 Tes	t Band = Bandwidth=100RB+100RB	57
6	SPURIOUS	EMISSION AT ANTENNA TERMINAL	67
	6.1 For LT	FE_CA_41C	67
	6.1.1 Tes	t Band = Bandwidth=100RB+25RB	67
	6.1.2 Tes	t Band = Bandwidth=100RB+100RB	69
7	FIELD STRI	ENGTH OF SPURIOUS RADIATION	71
	7.1 For LT	re	71
	7.1.1 Tes	t Band = LTE Band CA_41C_Main Antenna	71
	7.1.2 Tes	t Band = LTE Band CA_41C_Secondary Antenna	76
8	FREQUENC	SY STABILITY	83
	8.1 Frequ	ENCY ERROR VS. VOLTAGE	83
	8.2 FREQU	ENCY ERROR VS. TEMPERATURE	85



41-41

41-41

41-41

100RB+100RB

100RB+100RB

100RB+100RB

40521-40719

40521-40719

40719-40521

Report No.: SZEM180700654901 Page: 3 of 90

1 Effective (Isotropic) Radiated Power Output Data

ChannelKBSCC Modu(dBm)(dBm)(dBm)41-41100RB+25RB39750-398671RB#0-0RB#0QPSK-QPSK22.7623.6533.0041-41100RB+25RB39750-398678RB#0-0RB#0QPSK-QPSK23.4224.3133.0041-41100RB+25RB39867-397501RB#0-0RB#0QPSK-QPSK2323.8933.0041-41100RB+25RB39867-397508RB#0-0RB#0QPSK-QPSK23.2524.1433.0041-41100RB+25RB40595-407121RB#0-0RB#0QPSK-QPSK22.8623.7533.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.6224.4133.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.6224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.6224.4133.0041-41100RB+25RB39750-398671RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#0GPSK-QPSK2	Verdict PASS PASS PASS PASS PASS PASS PASS PAS
Band PCC-SCC Channel-SCC Channel PCC RB-SCC RB PCC Modu-SCC SCC Modu Result (dBm) EIRP (dBm) Limit (dBm) 41-41 100RB+25RB 39750-39867 1RB#0-0RB#0 QPSK-QPSK 22.76 23.65 33.00 41-41 100RB+25RB 39750-39867 8RB#0-0RB#0 QPSK-QPSK 23.42 24.31 33.00 41-41 100RB+25RB 39867-39750 1RB#0-0RB#0 QPSK-QPSK 23 23.89 33.00 41-41 100RB+25RB 39867-39750 8RB#0-0RB#0 QPSK-QPSK 23.25 24.14 33.00 41-41 100RB+25RB 40595-40712 1RB#0-0RB#0 QPSK-QPSK 23.25 24.48 33.00 41-41 100RB+25RB 40595-40712 8RB#0-0RB#0 QPSK-QPSK 23.06 23.95 33.00 41-41 100RB+25RB 40712-40595 1RB#0-0RB#0 QPSK-QPSK 23.33 24.22 33.00 41-41 100RB+25RB 41440-41557 1RB#0-0RB#0 QPSK-QPSK 23.87 23.76 33.00 <	PASS PASS PASS PASS PASS PASS PASS PASS
41-41100RB+25RB39750-398678RB#0-0RB#0QPSK-QPSK23.4224.3133.0041-41100RB+25RB39867-397501RB#0-0RB#0QPSK-QPSK2323.8933.0041-41100RB+25RB39867-397508RB#0-0RB#0QPSK-QPSK23.2524.1433.0041-41100RB+25RB39867-397508RB#0-0RB#0QPSK-QPSK23.2524.1433.0041-41100RB+25RB40595-407121RB#0-0RB#0QPSK-QPSK23.5924.4833.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-3975	PASS PASS PASS PASS PASS PASS PASS
41-41100RB+25RB39867-397501RB#0-0RB#0QPSK-QPSK2323.8933.0041-41100RB+25RB39867-397508RB#0-0RB#0QPSK-QPSK23.2524.1433.0041-41100RB+25RB40595-407121RB#0-0RB#0QPSK-QPSK22.8623.7533.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.5924.4833.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397	PASS PASS PASS PASS PASS PASS
41-41100RB+25RB39867-397508RB#0-0RB#0QPSK-QPSK23.2524.1433.0041-41100RB+25RB40595-407121RB#0-0RB#0QPSK-QPSK22.8623.7533.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.5924.4833.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.9223.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB3986	PASS PASS PASS PASS PASS
41-41100RB+25RB40595-407121RB#0-0RB#0QPSK-QPSK22.8623.7533.0041-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.5924.4833.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB405	PASS PASS PASS PASS
41-41100RB+25RB40595-407128RB#0-0RB#0QPSK-QPSK23.5924.4833.0041-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.9224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.5923.4833.0041-41100RB+25RB40	PASS PASS PASS PASS
41-41100RB+25RB40712-405951RB#0-0RB#0QPSK-QPSK23.0623.9533.0041-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS PASS PASS
41-41100RB+25RB40712-405958RB#0-0RB#0QPSK-QPSK23.3324.2233.0041-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS PASS
41-41100RB+25RB41440-415571RB#0-0RB#0QPSK-QPSK22.8723.7633.0041-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS
41-41100RB+25RB41440-415578RB#0-0RB#0QPSK-QPSK23.5224.4133.0041-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	
41-41100RB+25RB41557-414401RB#0-0RB#0QPSK-QPSK22.9423.8333.0041-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.0122.933.00	PASS
41-41100RB+25RB41557-414408RB#0-0RB#0QPSK-QPSK23.0823.9733.0041-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	1 700
41-41100RB+25RB39750-398671RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS
41-41100RB+25RB39750-398678RB#0-0RB#016QAM-16QAM22.4123.333.0041-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS
41-41100RB+25RB39867-397501RB#0-0RB#016QAM-16QAM22.3323.2233.0041-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS
41-41100RB+25RB39867-397508RB#0-0RB#016QAM-16QAM22.2223.1133.0041-41100RB+25RB40595-407121RB#0-0RB#016QAM-16QAM22.0122.933.0041-41100RB+25RB40595-407128RB#0-0RB#016QAM-16QAM22.5923.4833.00	PASS
41-41 100RB+25RB 40595-40712 1RB#0-0RB#0 16QAM-16QAM 22.01 22.9 33.00 41-41 100RB+25RB 40595-40712 8RB#0-0RB#0 16QAM-16QAM 22.59 23.48 33.00	PASS
41-41 100RB+25RB 40595-40712 8RB#0-0RB#0 16QAM-16QAM 22.59 23.48 33.00	PASS
	PASS
	PASS
41-41 100RB+25RB 40712-40595 1RB#0-0RB#0 16QAM-16QAM 22.43 23.32 33.00	PASS
41-41 100RB+25RB 40712-40595 8RB#0-0RB#0 16QAM-16QAM 22.31 23.2 33.00	PASS
41-41 100RB+25RB 41440-41557 1RB#0-0RB#0 16QAM-16QAM 22.26 23.15 33.00	PASS
41-41 100RB+25RB 41440-41557 8RB#0-0RB#0 16QAM-16QAM 22.54 23.43 33.00	PASS
41-41 100RB+25RB 41557-41440 1RB#0-0RB#0 16QAM-16QAM 22.29 23.18 33.00	PASS
41-41 100RB+25RB 41557-41440 8RB#0-0RB#0 16QAM-16QAM 22.13 23.02 33.00	PASS
41-41 100RB+25RB 39750-39867 1RB#0-0RB#0 64QAM-64QAM 20.8 21.69 33.00	PASS
41-41 100RB+25RB 39750-39867 8RB#0-0RB#0 64QAM-64QAM 21.24 22.13 33.00	PASS
41-41 100RB+25RB 39867-39750 1RB#0-0RB#0 64QAM-64QAM 21.04 21.93 33.00	PASS
41-41 100RB+25RB 39867-39750 8RB#0-0RB#0 64QAM-64QAM 21.29 22.18 33.00	PASS
41-41 100RB+25RB 40595-40712 1RB#0-0RB#0 64QAM-64QAM 21.37 22.26 33.00	PASS
41-41 100RB+25RB 40595-40712 8RB#0-0RB#0 64QAM-64QAM 21.25 22.14 33.00	PASS
41-41 100RB+25RB 40712-40595 1RB#0-0RB#0 64QAM-64QAM 21.11 22 33.00	PASS
41-41 100RB+25RB 40712-40595 8RB#0-0RB#0 64QAM-64QAM 21.21 22.1 33.00	PASS
41-41 100RB+25RB 41440-41557 1RB#0-0RB#0 64QAM-64QAM 20.81 21.7 33.00	PASS
41-41 100RB+25RB 41440-41557 8RB#0-0RB#0 64QAM-64QAM 21.41 22.3 33.00	PASS
41-41 100RB+25RB 41557-41440 1RB#0-0RB#0 64QAM-64QAM 20.96 21.85 33.00	PASS
41-41 100RB+25RB 41557-41440 8RB#0-0RB#0 64QAM-64QAM 21 21.89 33.00	PASS
41-41 100RB+100RB 39750-39948 1RB#0-0RB#0 QPSK-QPSK 22.83 23.72 33.00	PASS
41-41 100RB+100RB 39750-39948 18RB#0-0RB#0 QPSK-QPSK 23.38 24.27 33.00	PASS
41-41 100RB+100RB 39948-39750 1RB#0-0RB#0 QPSK-QPSK 22.9 23.79 33.00	
41-41 100RB+100RB 39948-39750 18RB#0-0RB#0 QPSK-QPSK 23.04 23.93 33.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx Attention is for a field three in and jurisdiction issues defined three in. Any holder of this document is advised that information contained hereon reflects the Company's findings at their of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is enpoduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fails/fication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

QPSK-QPSK

QPSK-QPSK

QPSK-QPSK

22.78

23.48

22.99

23.67

24.37

23.88

33.00

33.00

33.00

PASS

PASS

PASS

1RB#0-0RB#0

18RB#0-0RB#0

1RB#0-0RB#0



Report No.: SZEM180700654901 Page: 4 of 90

				Pa	age:	4 of 90		
41-41	100RB+100RB	40719-40521	18RB#0-0RB#0	QPSK-QPSK	23.17	24.06	33.00	PASS
41-41	100RB+100RB	41292-41490	1RB#0-0RB#0	QPSK-QPSK	22.72	23.61	33.00	PASS
41-41	100RB+100RB	41292-41490	18RB#0-0RB#0	QPSK-QPSK	23.5	24.39	33.00	PASS
41-41	100RB+100RB	41490-41292	1RB#0-0RB#0	QPSK-QPSK	22.87	23.76	33.00	PASS
41-41	100RB+100RB	41490-41292	18RB#0-0RB#0	QPSK-QPSK	22.96	23.85	33.00	PASS
41-41	100RB+100RB	39750-39948	1RB#0-0RB#0	16QAM-16QAM	22.01	22.9	33.00	PASS
41-41	100RB+100RB	39750-39948	18RB#0-0RB#0	16QAM-16QAM	22.42	23.31	33.00	PASS
41-41	100RB+100RB	39948-39750	1RB#0-0RB#0	16QAM-16QAM	22.54	23.43	33.00	PASS
41-41	100RB+100RB	39948-39750	18RB#0-0RB#0	16QAM-16QAM	22.06	22.95	33.00	PASS
41-41	100RB+100RB	40521-40719	1RB#0-0RB#0	16QAM-16QAM	22.44	23.33	33.00	PASS
41-41	100RB+100RB	40521-40719	18RB#0-0RB#0	16QAM-16QAM	22.48	23.37	33.00	PASS
41-41	100RB+100RB	40719-40521	1RB#0-0RB#0	16QAM-16QAM	22.68	23.57	33.00	PASS
41-41	100RB+100RB	40719-40521	18RB#0-0RB#0	16QAM-16QAM	22.2	23.09	33.00	PASS
41-41	100RB+100RB	41292-41490	1RB#0-0RB#0	16QAM-16QAM	22.4	23.29	33.00	PASS
41-41	100RB+100RB	41292-41490	18RB#0-0RB#0	16QAM-16QAM	22.5	23.39	33.00	PASS
41-41	100RB+100RB	41490-41292	1RB#0-0RB#0	16QAM-16QAM	22.52	23.41	33.00	PASS
41-41	100RB+100RB	41490-41292	18RB#0-0RB#0	16QAM-16QAM	22.01	22.9	33.00	PASS
41-41	100RB+100RB	39750-39948	1RB#0-0RB#0	64QAM-64QAM	21.05	21.94	33.00	PASS
41-41	100RB+100RB	39750-39948	18RB#0-0RB#0	64QAM-64QAM	21.29	22.18	33.00	PASS
41-41	100RB+100RB	39948-39750	1RB#0-0RB#0	64QAM-64QAM	21.27	22.16	33.00	PASS
41-41	100RB+100RB	39948-39750	18RB#0-0RB#0	64QAM-64QAM	21.09	21.98	33.00	PASS
41-41	100RB+100RB	40521-40719	1RB#0-0RB#0	64QAM-64QAM	21.39	22.28	33.00	PASS
41-41	100RB+100RB	40521-40719	18RB#0-0RB#0	64QAM-64QAM	21.32	22.21	33.00	PASS
41-41	100RB+100RB	40719-40521	1RB#0-0RB#0	64QAM-64QAM	21.18	22.07	33.00	PASS
41-41	100RB+100RB	40719-40521	18RB#0-0RB#0	64QAM-64QAM	21.07	21.96	33.00	PASS
41-41	100RB+100RB	41292-41490	1RB#0-0RB#0	64QAM-64QAM	20.79	21.68	33.00	PASS
41-41	100RB+100RB	41292-41490	18RB#0-0RB#0	64QAM-64QAM	21.54	22.43	33.00	PASS
41-41	100RB+100RB	41490-41292	1RB#0-0RB#0	64QAM-64QAM	21.34	22.23	33.00	PASS
41-41	100RB+100RB	41490-41292	18RB#0-0RB#0	64QAM-64QAM	20.96	21.85	33.00	PASS
Note:								

Note:

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

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi] b: SGP=Signal Generator Level



Report No.: SZEM180700654901 Page: 5 of 90

2 Peak-to-Average Ratio

Test Band	PCC RB	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
			39750-39867	5.88	13	PASS
			40595-40712	5.54	13	PASS
		TN 44	41440-41557	6.35	13	PASS
		TM1	39867-39750	6.93	13	PASS
			40712-40595	8.17	13	PASS
			41557-41440	6.32	13	PASS
	-		39750-39867	6.81	13	PASS
			40595-40712	5.36	13	PASS
	40000.0500	TMO	41440-41557	7.16	13	PASS
	100RB+25RB	TM2	39867-39750	6.99	13	PASS
			40712-40595	6.96	13	PASS
			41557-41440	6.72	13	PASS
	-		39750-39867	6.52	13	PASS
		ТМЗ	40595-40712	5.83	13	PASS
			41440-41557	7.42	13	PASS
			39867-39750	6.96	13	PASS
CA_41C			40712-40595	7.57	13	PASS
			41557-41440	7.54	13	PASS
		TM1	39750-39948	5.94	13	PASS
			40521-40719	7.54	13	PASS
			41292-41490	6.41	13	PASS
			39948-39750	6.23	13	PASS
			40719-40521	6.29	13	PASS
			41490-41292	6.46	13	PASS
	-		39750-39948	6.20	13	PASS
	100RB+100RB		40521-40719	6.12	13	PASS
		TMO	41292-41490	6.75	13	PASS
		TM2	39948-39750	6.55	13	PASS
			40719-40521	6.58	13	PASS
			41490-41292	7.42	13	PASS
			39750-39948	6.41	13	PASS
		ТМЗ	40521-40719	7.88	13	PASS
			41292-41490	6.84	13	PASS



Report No.: SZEM180700654901 Page: 6 of 90

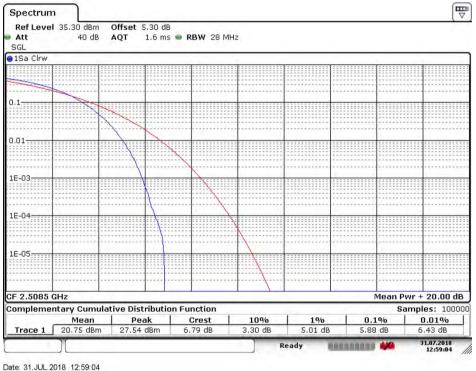
Test Band	PCC RB	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
			39948-39750	6.35	13	PASS
			40719-40521	6.23	13	PASS
			41490-41292	7.04	13	PASS

2.1 For LTE_CA_41C

2.1.1 Test Band = Bandwidth=100RB+25RB

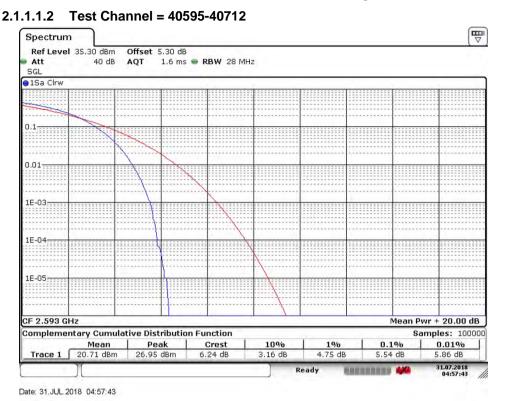
2.1.1.1 Test Mode = LTE/TM1

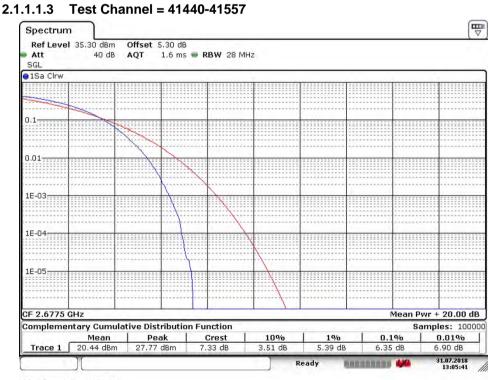
2.1.1.1.1 Test Channel = 39750-39867





Report No.: SZEM180700654901 Page: 7 of 90



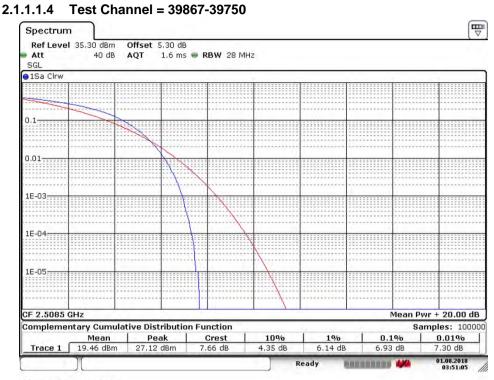


Date: 31.JUL.2018 13:05:41

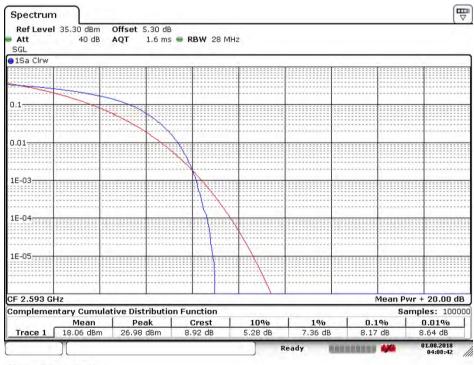
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM180700654901 Page: 8 of 90



Date: 1.AUG.2018 03:51:05

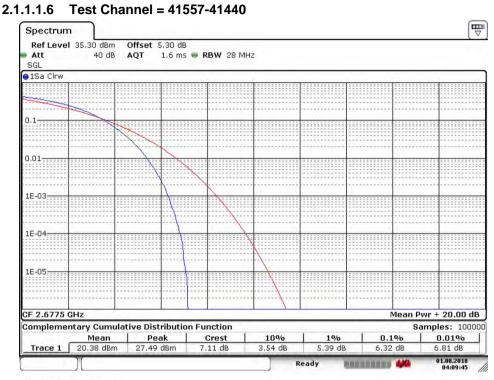


2.1.1.1.5 Test Channel = 40712-40595

Date: 1.AUG.2018 04:08:43

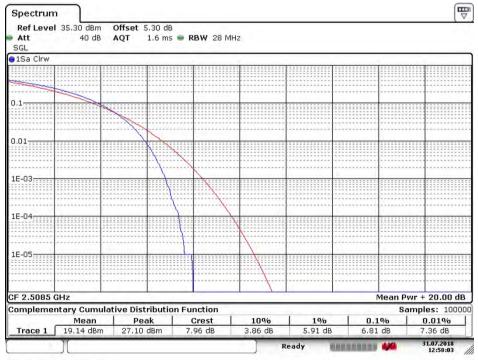


Report No.: SZEM180700654901 Page: 9 of 90



Date: 1.AUG.2018 04:09:46

2.1.1.2 Test Mode = LTE/TM2

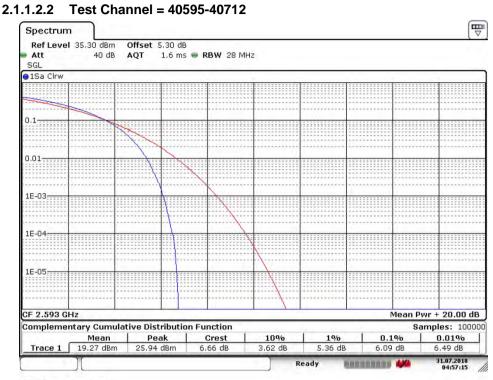


2.1.1.2.1 Test Channel = 39750-39867

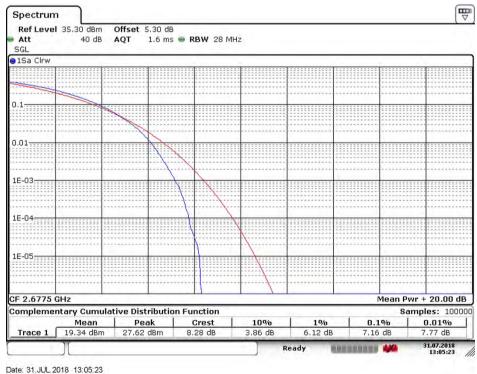
Date: 31.JUL.2018 12:58:03



Report No.: SZEM180700654901 Page: 10 of 90



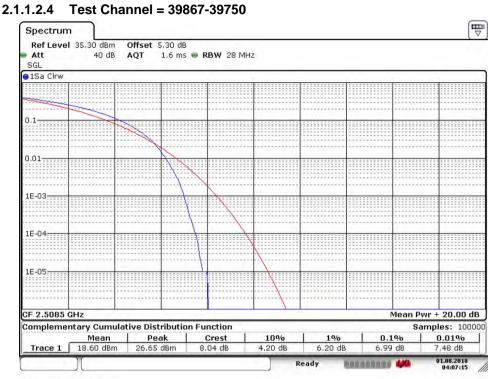
Date: 31.JUL.2018 04:57:15



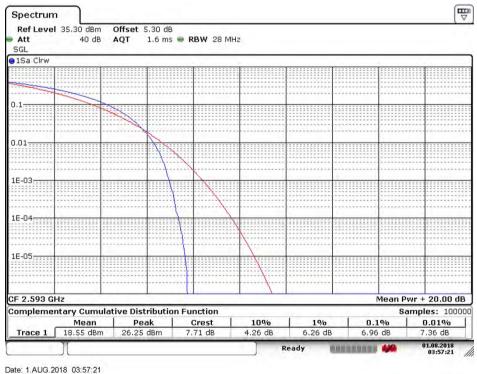
2.1.1.2.3 Test Channel = 41440-41557



Report No.: SZEM180700654901 Page: 11 of 90



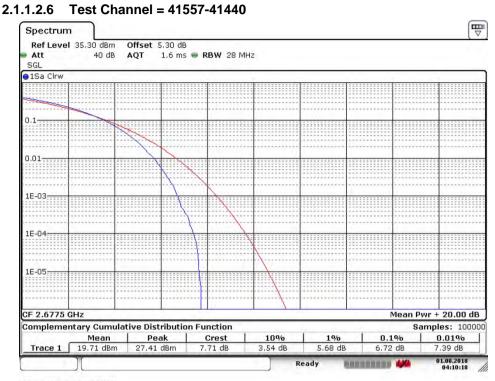
Date: 1.AUG.2018 04:07:16



2.1.1.2.5 Test Channel = 40712-40595

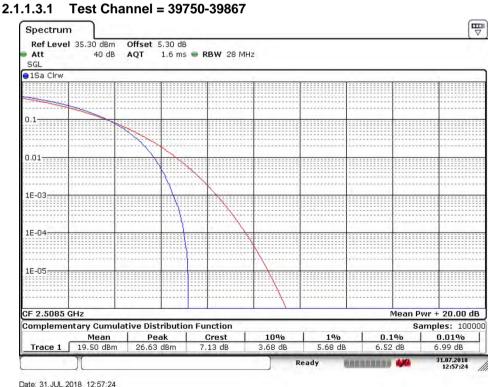


Report No.: SZEM180700654901 Page: 12 of 90



Date: 1.AUG.2018 04:10:19

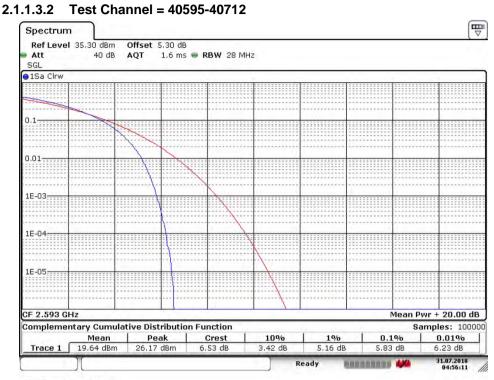
2.1.1.3 Test Mode = LTE/TM3



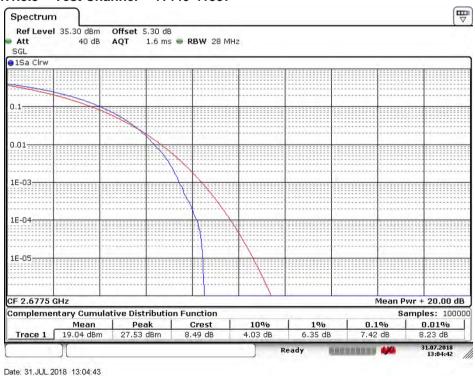
Date: 31.30L.2018 12.37.24



Report No.: SZEM180700654901 Page: 13 of 90



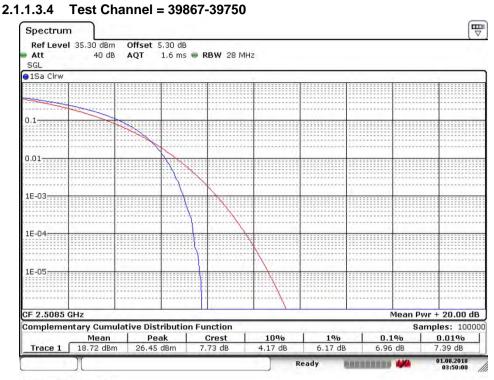
Date: 31.JUL.2018 04:56:11



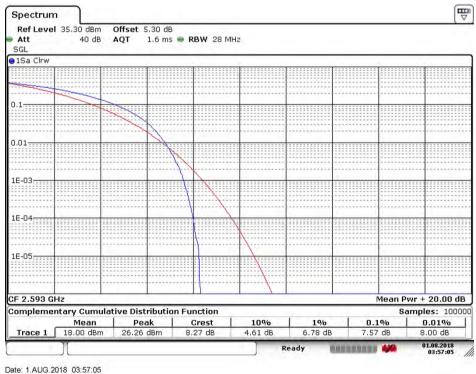
2.1.1.3.3 Test Channel = 41440-41557



Report No.: SZEM180700654901 Page: 14 of 90



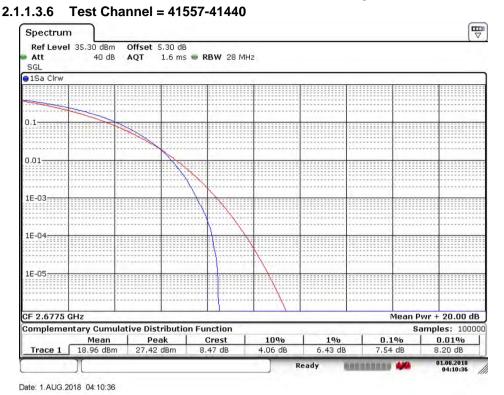
Date: 1.AUG.2018 03:50:00



2.1.1.3.5 Test Channel = 40712-40595

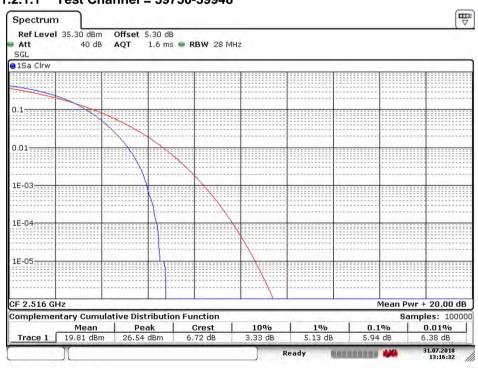


Report No.: SZEM180700654901 Page: 15 of 90



2.1.2 Test Band = Bandwidth=100RB+100RB

2.1.2.1 Test Mode = LTE/TM1



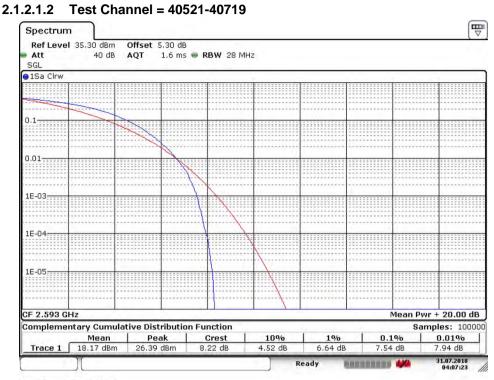
Date: 31.JUL.2018 13:16:32

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-en-Document.aspx. Attention is for a the time of its individy indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is enpotuced except in full, without prior written approval of the Company. Any unauthorized alteration, forgrey or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

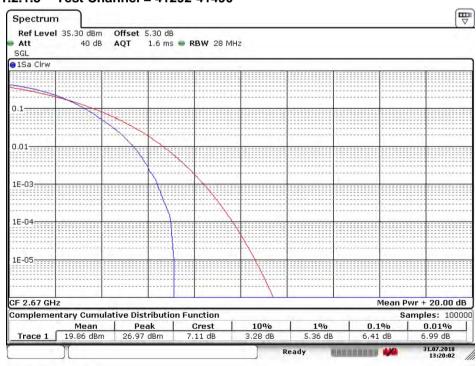
2.1.2.1.1 Test Channel = 39750-39948



Report No.: SZEM180700654901 Page: 16 of 90



Date: 31.JUL.2018 04:07:22

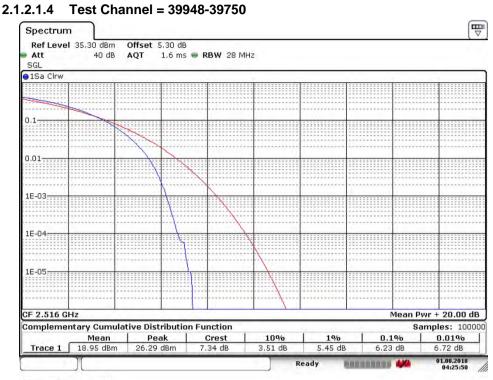


2.1.2.1.3 Test Channel = 41292-41490

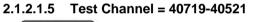
Date: 31.JUL.2018 13:20:02

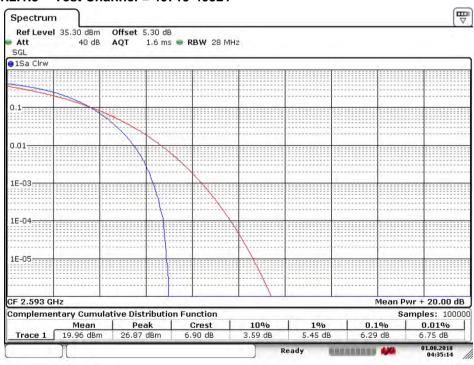


Report No.: SZEM180700654901 Page: 17 of 90



Date: 1.AUG.2018 04:25:49

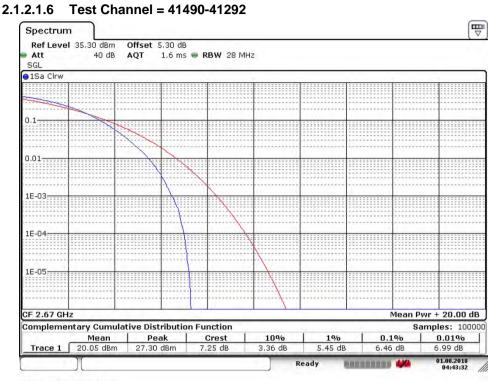




Date: 1.AUG.2018 04:35:15

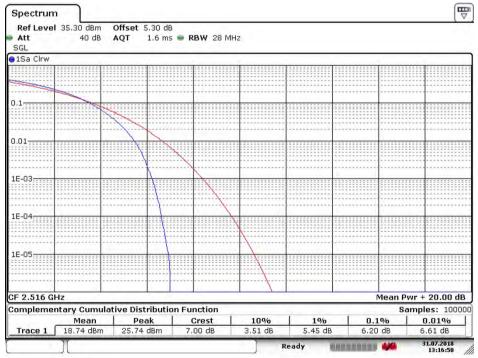


Report No.: SZEM180700654901 Page: 18 of 90



Date: 1.AUG.2018 04:43:32

2.1.2.2 Test Mode = LTE/TM2

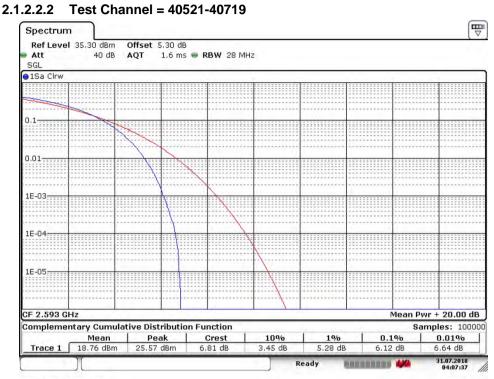


2.1.2.2.1 Test Channel = 39750-39948

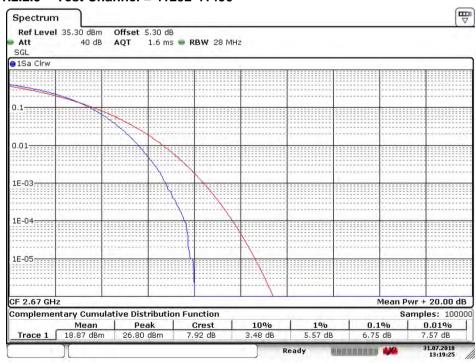
Date: 31.JUL.2018 13:16:50



Report No.: SZEM180700654901 Page: 19 of 90



Date: 31.JUL.2018 04:07:37

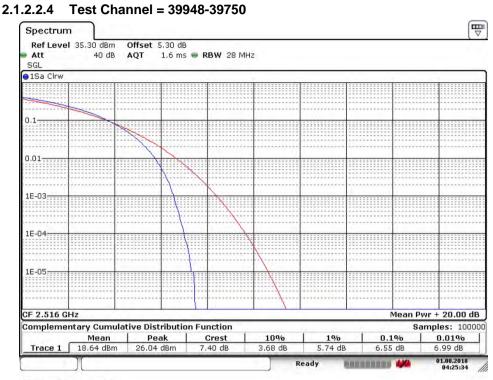


2.1.2.2.3 Test Channel = 41292-41490

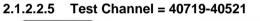
Date: 31.JUL.2018 13:19:26



Report No.: SZEM180700654901 Page: 20 of 90



Date: 1.AUG.2018 04:25:35

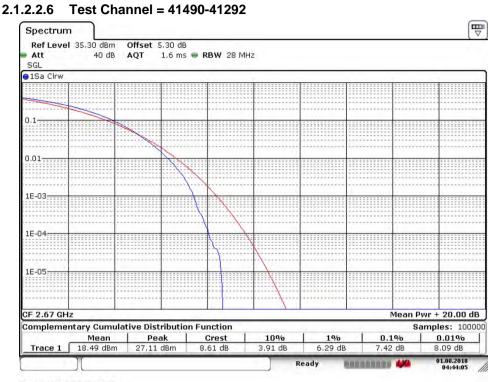




Date: 1.AUG.2018 04:34:24

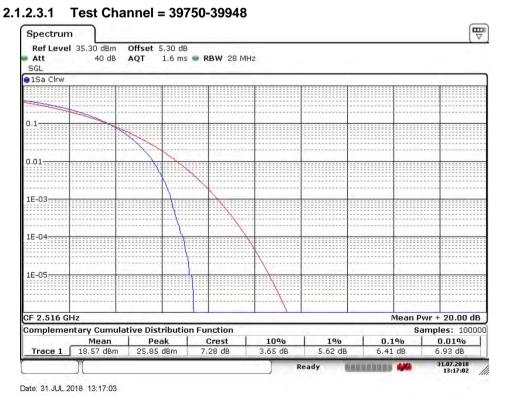


Report No.: SZEM180700654901 Page: 21 of 90



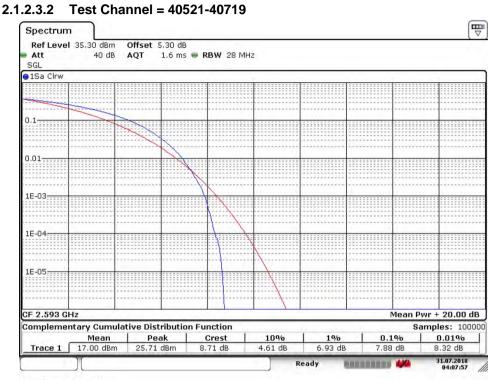
Date: 1.AUG.2018 04:44:05

2.1.2.3 Test Mode = LTE/TM3

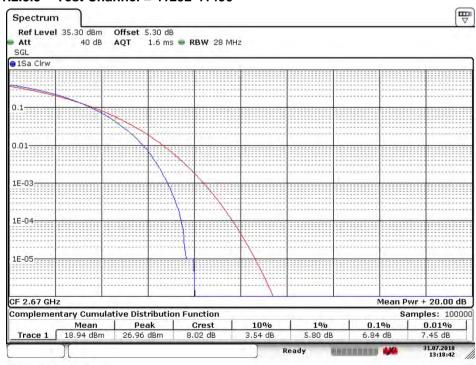




Report No.: SZEM180700654901 Page: 22 of 90



Date: 31.JUL.2018 04:07:57

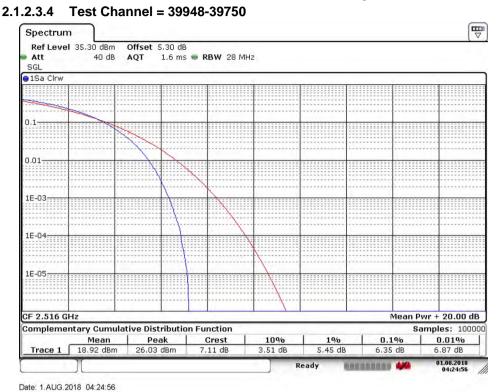


2.1.2.3.3 Test Channel = 41292-41490

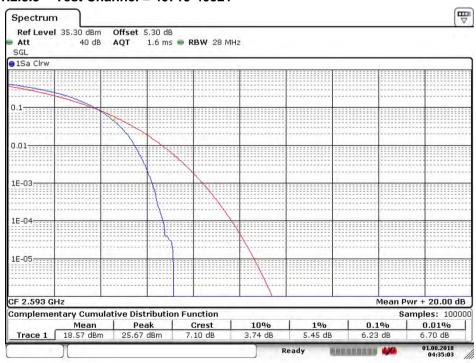
Date: 31.JUL.2018 13:18:42



Report No.: SZEM180700654901 Page: 23 of 90



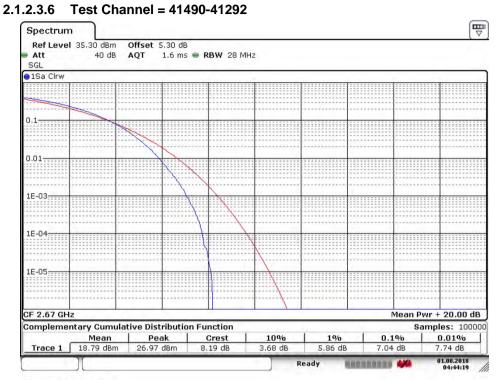
2.1.2.3.5 Test Channel = 40719-40521



Date: 1.AUG.2018 04:35:04



Report No.: SZEM180700654901 Page: 24 of 90



Date: 1.AUG.2018 04:44:19



Report No.: SZEM180700654901 Page: 25 of 90

3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_41C

3.1.1.1 Test Mode = LTE /TM1 100RB+100RB

3.1.1.1.1 Test Channel = MCH

Phone2	Phone1 LTE * 30.70#038	DL Channel TPC Pa 40521 ch Operation Band Channe 41	ttern Input L All +3dB el Bandwidth Output 20 MHz	300 dBm	When setting the I modulation scheme value is changed at	the same time.	- 64QAM with the link signal, the setting	▲ MT8821C 2018/08/01 19:20 RF Output : On DL 2CCs UL 2CCs Cont.
PCC SC	c1 SCC2 SCC3 >>	Measurement	Signali	ng		UE F	ower: 18.7 dBm	
Common	 > IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Fundamental 🔪 Constellat 0 Symbol	ion - PCC			-	Main Screen Fundamental	A Home
Physical Channel Call	> Level	1 0.6988 Q	0.7194		Meas. Count :	1/ 1	Sub Screen Constellation	< Preset Measuring
Processing TX Measurement	 Signal UL RMC 				2		PCC Number of RB	(UL CA Tx) Tx Rx
RX Measurement	UL Allocation Mode Normal RB Pos. Min(#0)	Q					Starting RB	• → Single
Fundamental Measurement	Number of RB 100 Starting RB		÷.		•		None	Continuous
Test Parameter	Max UL Throughput 1117 kbps MCS Index 0 OPSK 0 2792 8							Connected
	64QAM			I				Start Call
Band Definition	256QAM Disabled	PCC	Avg.	Max.	Min.		WanteretCC	End Call
External Loss	DL RMC	EVM Peak Vector Error Carrier Leakage	2.37 18.94 -50.86	2.37 18.94 -50.86	2.37 %(rms) 18.94 % -50.86 dBc		ViewTargetCC PCC	
System Config	TDD	IQ Imbalance	99,99	99.99	99.99 %(I/Q)		4 Views	< Menu



Report No.: SZEM180700654901 Page: 26 of 90

3.1.1.2 Test Mode = LTE /TM2 100RB+100RB

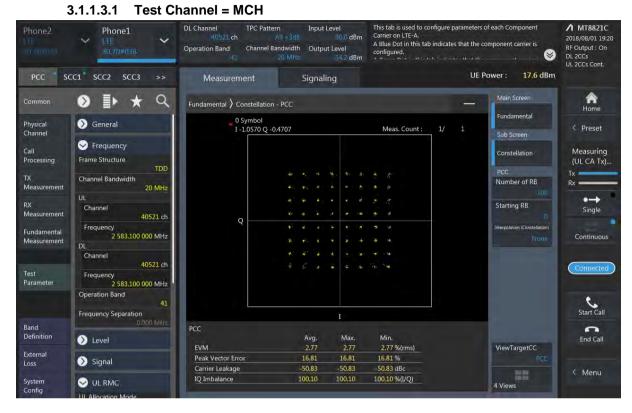


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM180700654901 Page: 27 of 90

3.1.1.3 Test Mode = LTE /TM3 100RB+100RB



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM180700654901 Page: 28 of 90

4 Bandwidth

Part I - Test Results

Test Band	PCC RB	Test Mode	Test Channel	OBW	EBW
			39750-39867	22.88	24.13
			40595-40712	22.88	24.23
		TN 44	41440-41557	22.88	24.13
		TM1	39867-39750	22.78	23.73
			40712-40595	22.83	23.88
			41557-41440	22.83	23.88
			39750-39867	22.83	24.08
			40595-40712	22.83	24.28
	40000.0500	TMO	41440-41557	22.88	24.08
	100RB+25RB	TM2	39867-39750	22.78	23.73
			40712-40595	22.88	23.83
			41557-41440	22.83	23.58
			39750-39867	22.83	24.08
			40595-40712	22.88	24.33
		ТМЗ	41440-41557	22.88	24.18
			39867-39750	22.78	23.83
00.440			40712-40595	22.88	24.08
CA_41C			41557-41440	22.78	23.68
		TM1	39750-39948	37.56	39.80
			40521-40719	37.56	39.48
			41292-41490	37.48	39.40
			39948-39750	37.56	39.80
			40719-40521	37.56	39.64
			41490-41292	37.56	39.64
			40719-40521	37.56	39.72
	100RB+100RB		40521-40719	37.56	39.80
	IUURD+IUURD	TMO	41292-41490	37.48	39.40
		TM2	39948-39750	37.56	39.56
			40719-40521	37.64	39.72
			41490-41292	37.56	39.64
			39750-39948	37.56	39.72
		ТМЗ	40521-40719	37.48	39.88
		U IVI O	41292-41490	37.48	39.40
			39948-39750	37.56	39.32



Report No.: SZEM180700654901 Page: 29 of 90

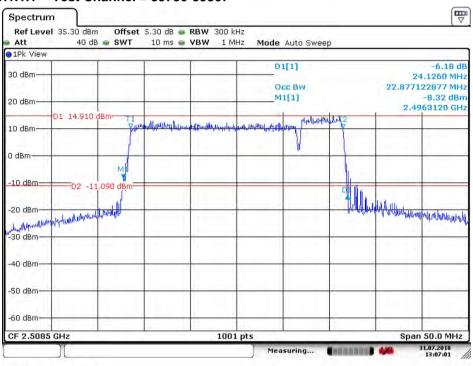
Test Band	PCC RB	Test Mode	Test Channel	OBW	EBW
			40719-40521	37.56	39.64
			41490-41292	37.64	39.72

4.1 For LTE_CA_41C

4.1.1 Test Band = Bandwidth=100RB+25RB

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Channel = 39750-39867



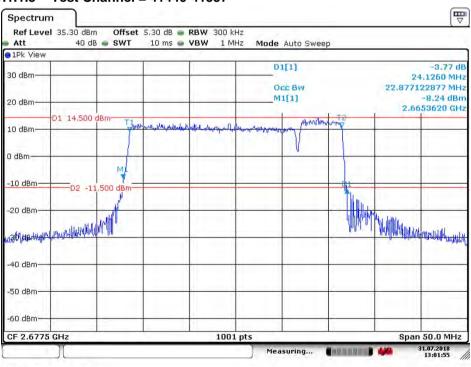
Date: 31.JUL.2018 13:07:01



Report No.: SZEM180700654901 Page: 30 of 90

4.1.1.1.2 Test Channel = 40595-40712 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🝙 RBW 300 kHz Att 40 dB 👄 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 01Pk View M1[1] -10.10 dBm 30 dBm-2.5806620 GHz Occ Bw 22.877122877 MH D1[1] -0.98 dB 20 dBm 24.2260 MHz D1 14,940 dBm portronality tall gup why why when ANA ANA ANA ANA ANA 1. Mr. And 10 dBm-0 dBm M -10 dBm-D2 -11.060 dB Willing allow a source of the property of -20 dBm-Martal Jub prophilit and in-planter between -30 dBm -40 dBm--50 dBm--60 dBm-CF 2.593 GHz 1001 pts Span 50.0 MHz 31.07.2018 05:01:05 Measuring... (*BABBBB Date: 31.JUL.2018 05:01:05

4.1.1.1.3 Test Channel = 41440-41557



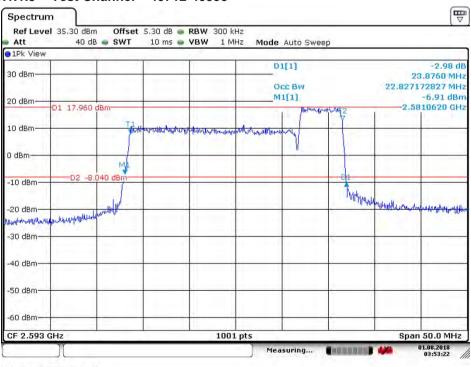
Date: 31.JUL.2018 13:01:55



Report No.: SZEM180700654901 Page: 31 of 90

4.1.1.1.4 Test Channel = 39867-39750 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🝙 RBW 300 kHz Att 40 dB 🖷 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 01Pk View 4.73 dE D1[1] 30 dBm-23.7260 MHz Occ But 22.777222777 MHz M1[1] -5.99 dBm 20 dBm-2.4966620 GHz D1 18,210 dBm-10 dBm-Antowellin A Protority and MAIL MUNA 0 dBm MA 90 dE -10 dBm-W/P will With white many mapping hill much so -20 dBmof manufacture for with -30 dBm--40 dBm--50 dBm--60 dBm-CF 2.5085 GHz 1001 pts Span 50.0 MHz 01.08.2018 04:05:53 Measuring... (maaaaas) 🦀 Date: 1.AUG.2018 04:05:53

4.1.1.1.5 Test Channel = 40712-40595



Date: 1.AUG.2018 03:53:22

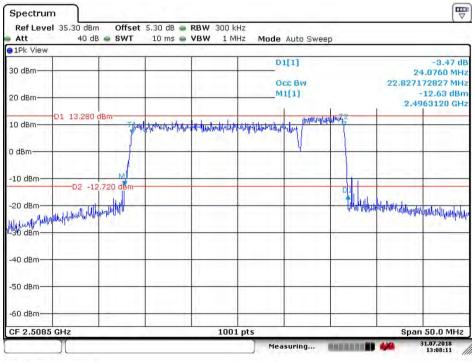


Report No.: SZEM180700654901 Page: 32 of 90

4.1.1.1.6 Test Channel = 41557-41440 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🝙 RBW 300 kHz Att 40 dB 🖷 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 1Pk View D1[1] -2.16 dE 30 dBm-23.8760 MHz Occ But 22.827172827 MHz M1[1] -6.72 dBm 20 dBm 2.6655120 GHz D1 17.470 dBm-10 dBmmathematical hard the month of the adult 14 0 dBm-M -10 dBm--D2 -8,530 dBr -20 dBm-Halan and the marking a support 19 more the and the second states and -40 dBm--50 dBm--60 dBm CF 2.6775 GHz 1001 pts Span 50.0 MHz 01.08.2018 04:16:20 Measuring... ******* Date: 1.AUG.2018 04:16:20

4.1.1.2 Test Mode = LTE/TM2





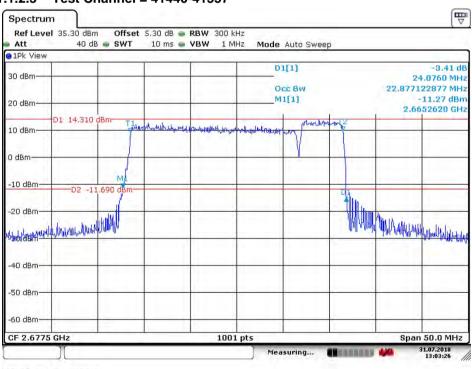
Date: 31.JUL.2018 13:08:11



Report No.: SZEM180700654901 Page: 33 of 90

4.1.1.2.2 Test Channel = 40595-40712 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🝙 RBW 300 kHz Att 40 dB 🥌 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 01Pk View M1[1] -11.63 dBm 30 dBm-2.5807120 GHz Occ BW 22.827172827 MH D1[1] -4.96 dB 20 dBm 24.2760 MH D1 14.020 dBm Mr. w. had and the set 10 dBm-0 dBm -10 dBm--D2 -11.980 de - How have been been all an all prop ballad -20 dBm to have haven the -30 dBm 40 dBm -50 dBm--60 dBm-CF 2.593 GHz 1001 pts Span 50.0 MHz 31.07.2018 04:59:49 Measuring... (maaaaa) 🖊 Date: 31.JUL.2018 04:59:49

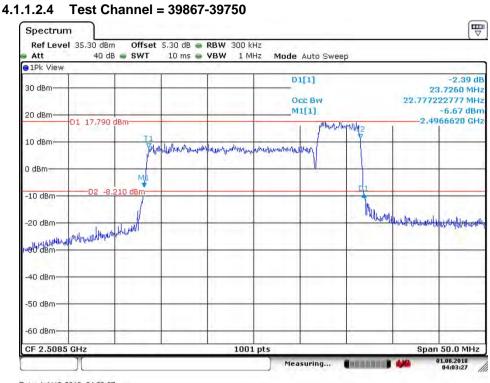
4.1.1.2.3 Test Channel = 41440-41557



Date: 31.JUL.2018 13:03:26

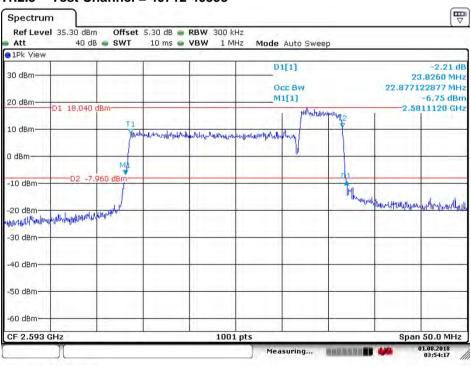


Report No.: SZEM180700654901 Page: 34 of 90



Date: 1.AUG.2018 04:03:27

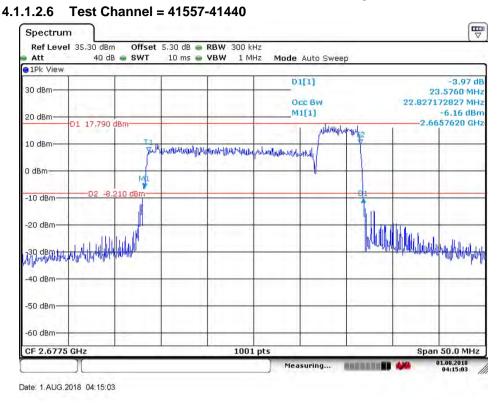
4.1.1.2.5 Test Channel = 40712-40595



Date: 1.AUG.2018 03:54:18

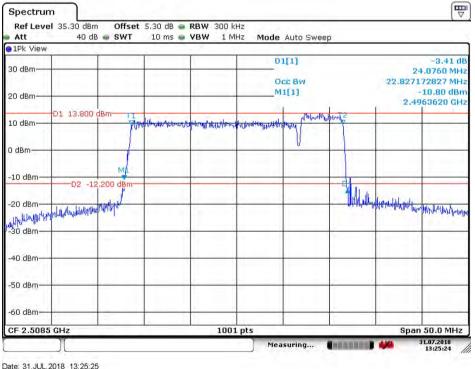


Report No.: SZEM180700654901 Page: 35 of 90



4.1.1.3 Test Mode = LTE/TM3



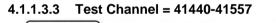


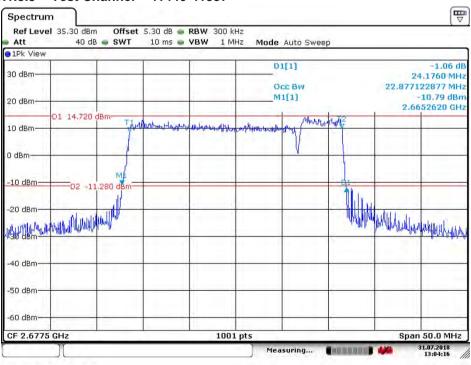


Report No.: SZEM180700654901 Page: 36 of 90

4.1.1.3.2 Test Channel = 40595-40712 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🝙 RBW 300 kHz Att 40 dB 🥌 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 01Pk View M1[1] -10.60 dBm 30 dBm-2.5807120 GH Occ Bw 22.877122877 MH D1[1] -6.43 dB 20 dBm 24.3260 MHz D1 13.200 dBm No. The 44 10 dBm-ALLAND. 0 dBm M -10 dBm -D2 -12 800 dBm How when a the second and the second (hit Hill) -29 dBm water water -30 dBm 40 dBm -50 dBm--60 dBm CF 2.593 GHz 1001 pts Span 50.0 MHz 31.07.2018 05:01:42 Measuring... HADRADE

Date: 31.JUL.2018 05:01:42





Date: 31.JUL.2018 13:04:16

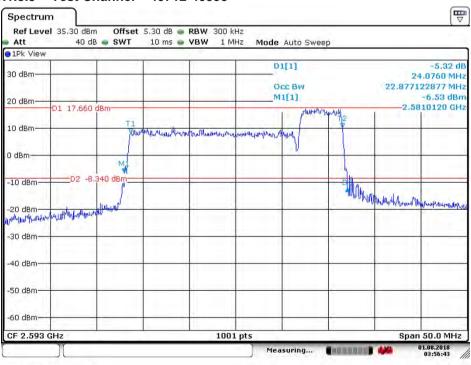


Report No.: SZEM180700654901 Page: 37 of 90

4.1.1.3.4 Test Channel = 39867-39750 ₩ Spectrum Ref Level 35.30 dBm Offset 5.30 dB 🖷 RBW 300 kHz Att 40 dB 🖷 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep 01Pk View -3.00 dE D1[1] 30 dBm-23.8260 MH Occ But 22.777222777 MHz M1[1] -6.49 dBm 20 dBm 2.4967120 GHz D1 17.610 dBm Walthaller 10 dBmmulmerym adaust norther for share have been and 0 dBm-MI -D2 -8.390 dBn -10 dBm-Willing at 100 grand and the abilition all and an art we are a state of the state of t 40 dBm -50 dBm--60 dBm-CF 2.5085 GHz 1001 pts Span 50.0 MHz 01.08.2018 04:04:41 Measuring... (maaaaa) 🦀

Date: 1.AUG.2018 04:04:42

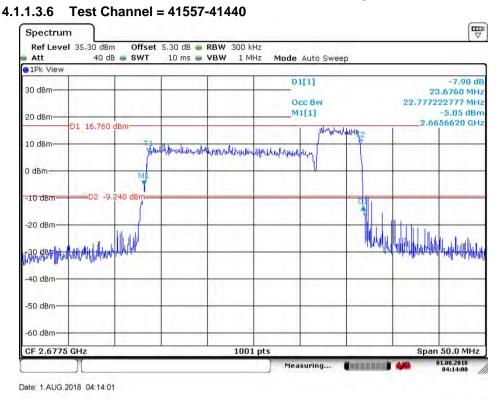
4.1.1.3.5 Test Channel = 40712-40595



Date: 1.AUG.2018 03:56:44



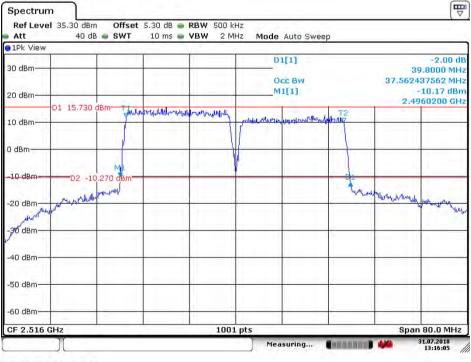
Report No.: SZEM180700654901 Page: 38 of 90



4.1.2 Test Band = Bandwidth=100RB+100RB

4.1.2.1 Test Mode = LTE/TM1

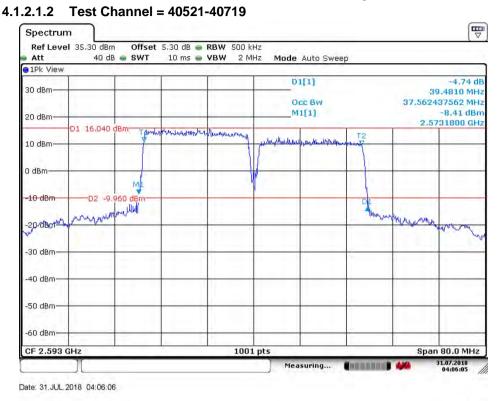
4.1.2.1.1 Test Channel = 39750-39948



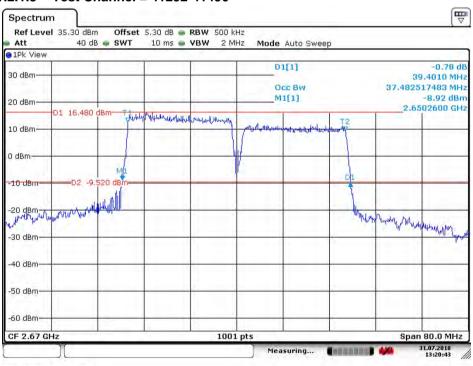
Date: 31.JUL.2018 13:16:05



Report No.: SZEM180700654901 Page: 39 of 90



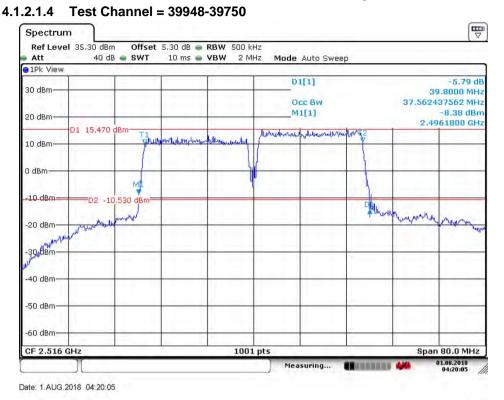
4.1.2.1.3 Test Channel = 41292-41490



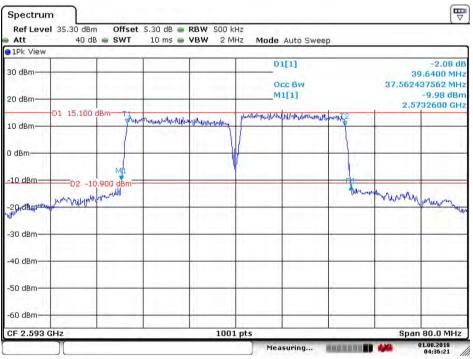
Date: 31.JUL.2018 13:20:44



Report No.: SZEM180700654901 Page: 40 of 90



4.1.2.1.5 Test Channel = 40719-40521



Date: 1.AUG.2018 04:36:22