Appendix E: Test Data for E-UTRA Band 7

Product Name: Smart phone Trade Mark: S SMOOTH Test Model: SMOOTH 5.0

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

E.1 Conducted Output Power

		Conducte	d Output Po	wer Test Result (Channel Ban	dwidth: 5 MHz)	
Madulatian	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	Mandiat
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.08	21.84	PASS
		1	12	21.84	21.62	PASS
		1	24	21.63	21.34	PASS
	LCH	12	0	21.22	20.28	PASS
		12	6	21.03	20.13	PASS
		12	13	20.99	20.00	PASS
		25	0	20.95	20.23	PASS
	МСН	1	0	22.85	21.47	PASS
		1	12	22.87	21.38	PASS
QPSK /		1	24	22.78	21.41	PASS
16QAM		12	0	21.81	20.71	PASS
IOQAM		12	6	21.72	20.64	PASS
		12	13	21.72	20.68	PASS
		25	0	21.69	20.93	PASS
		1	0	22.30	21.09	PASS
		1	12	22.35	21.23	PASS
		1	24	22.55	21.37	PASS
	НСН	12	0	21.17	20.22	PASS
		12	6	21.23	20.26	PASS
		12	13	21.46	20.36	PASS
		25	0	21.28	20.55	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Madulatian	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Mandiat
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.34	21.88	PASS
		1	24	21.83	21.47	PASS
		1	49	21.68	21.24	PASS
	LCH	25	0	21.13	20.19	PASS
		25	12	20.85	20.14	PASS
		25	25	20.68	19.90	PASS
		50	0	20.85	20.13	PASS
	мсн	1	0	22.76	22.26	PASS
		1	24	22.83	22.35	PASS
QPSK /		1	49	22.63	22.24	PASS
16QAM		25	0	21.89	20.92	PASS
IOQAM		25	12	21.86	20.91	PASS
		25	25	21.81	20.92	PASS
		50	0	21.71	20.94	PASS
		1	0	21.91	21.45	PASS
		1	24	22.18	21.76	PASS
		1	49	22.46	22.05	PASS
	нсн	25	0	21.09	20.16	PASS
		25	12	21.18	20.26	PASS
		25	25	21.30	20.43	PASS
		50	0	21.17	20.37	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Madulatian	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	Vandiat
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.11	22.17	PASS
		1	37	21.60	21.69	PASS
		1	74	21.69	21.73	PASS
	LCH	37	0	20.95	20.16	PASS
		37	18	20.74	19.95	PASS
		37	38	20.77	19.87	PASS
		75	0	20.88	19.94	PASS
	мсн	1	0	22.69	22.62	PASS
		1	37	22.81	22.80	PASS
QPSK /		1	74	22.57	22.52	PASS
16QAM		37	0	21.80	20.93	PASS
TOQAM		37	18	21.79	20.87	PASS
		37	38	21.69	20.85	PASS
		75	0	21.73	20.87	PASS
		1	0	21.81	20.97	PASS
		1	37	22.00	21.17	PASS
		1	74	22.54	21.65	PASS
	НСН	37	0	20.88	19.90	PASS
		37	18	21.02	20.10	PASS
		37	38	21.28	20.31	PASS
		75	0	21.06	20.07	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	22.30	21.43	PASS
		1	49	21.71	20.90	PASS
		1	99	22.06	21.16	PASS
	LCH	50	0	20.90	20.08	PASS
		50	25	20.80	19.81	PASS
		50	50	20.76	19.87	PASS
		100	0	20.74	19.97	PASS
	МСН	1	0	22.77	21.56	PASS
		1	49	23.08	21.78	PASS
QPSK /		1	99	22.63	21.43	PASS
16QAM		50	0	21.74	20.83	PASS
IOQAM		50	25	21.78	20.78	PASS
		50	50	21.69	20.81	PASS
		100	0	21.72	20.77	PASS
		1	0	21.91	21.21	PASS
		1	49	21.77	21.17	PASS
		1	99	22.34	21.68	PASS
	нсн	50	0	20.81	19.90	PASS
		50	25	20.83	19.89	PASS
		50	50	21.18	20.13	PASS
		100	0	21.00	19.99	PASS

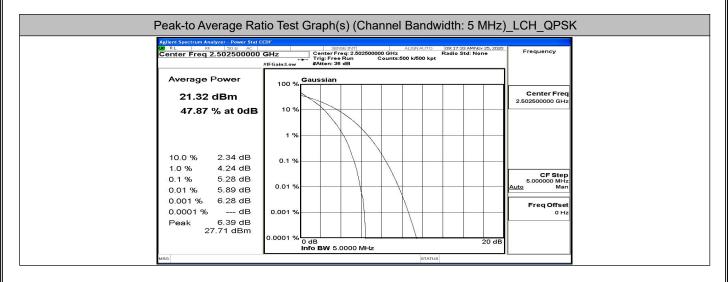
E.2 Peak-to-Average Ratio

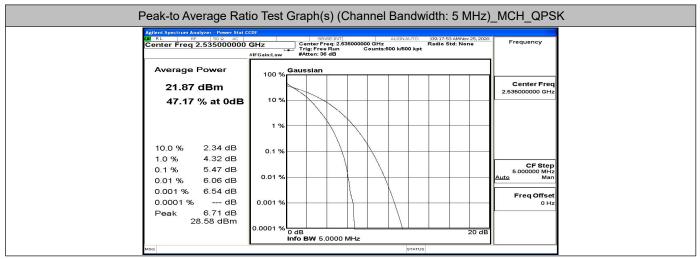
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
IVIOGUIATION	Cnannei	[dB]	[dB]	verdict		
	LCH	5.28	<13	PASS		
QPSK	MCH	5.47	<13	PASS		
	HCH	5.46	<13	PASS		
16QAM	LCH	5.99	<13	PASS		
	MCH	6.27	<13	PASS		
	HCH	6.14	<13	PASS		

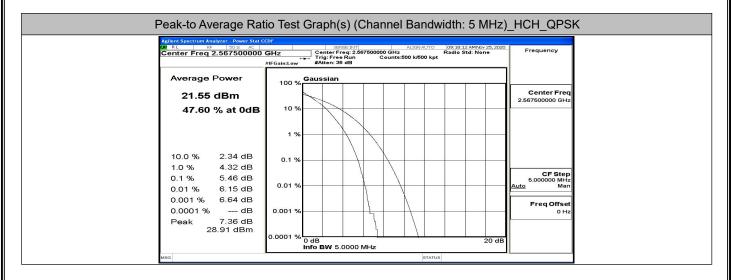
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	Verdict		
	LCH	5.4	<13	PASS		
QPSK	MCH	5.54	<13	PASS		
	HCH	5.41	<13	PASS		
16QAM	LCH	6.09	<13	PASS		
	MCH	6.24	<13	PASS		
	HCH	6.15	<13	PASS		

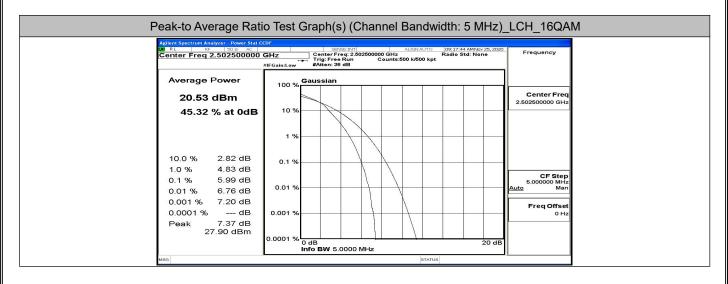
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	4.95	<13	PASS		
QPSK	MCH	4.97	<13	PASS		
	HCH	4.89	<13	PASS		
16QAM	LCH	6.22	<13	PASS		
	MCH	6.21	<13	PASS		
	HCH	6.12	<13	PASS		

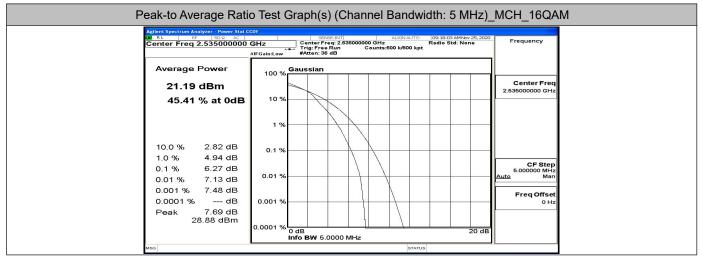
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Griannei	[dB]	[dB]	Verdict		
	LCH	5.77	<13	PASS		
QPSK	MCH	5.72	<13	PASS		
	HCH	5.68	<13	PASS		
	LCH	6.74	<13	PASS		
16QAM	MCH	6.63	<13	PASS		
	HCH	6.67	<13	PASS		

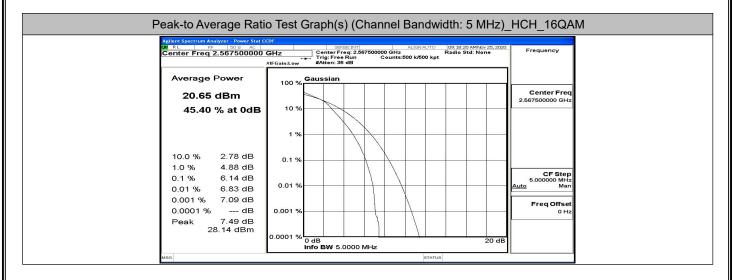


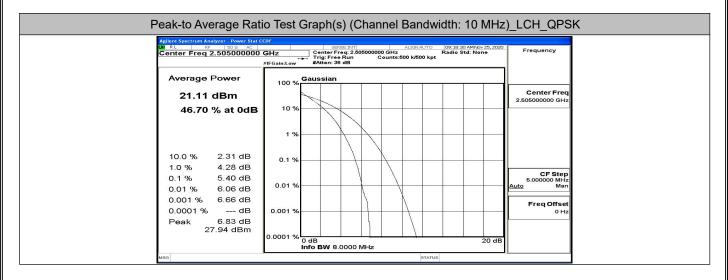


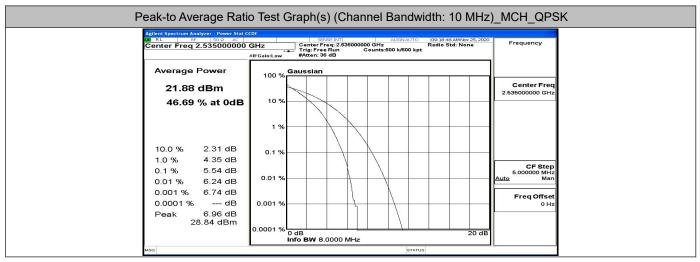


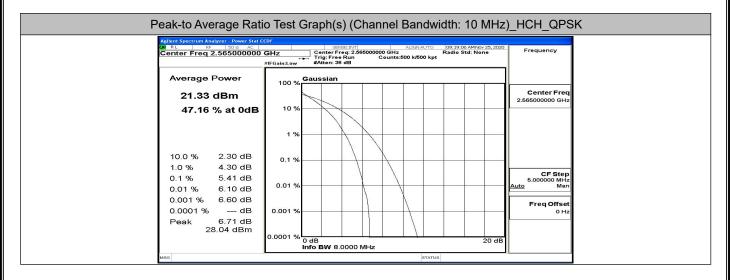


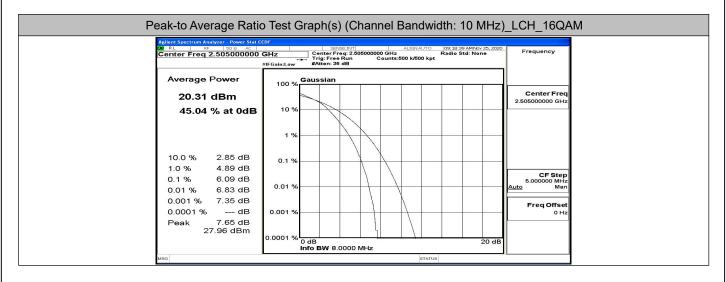


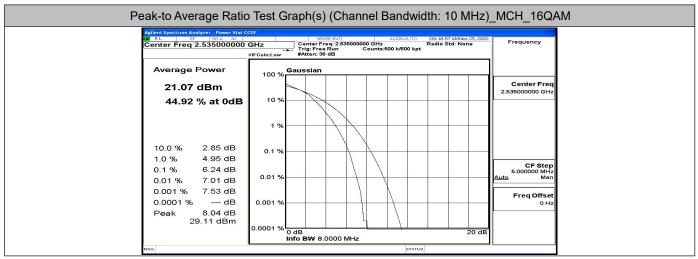


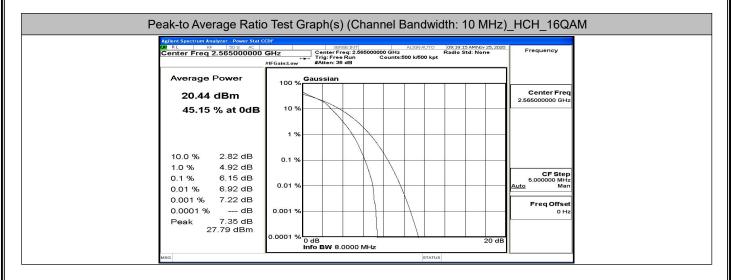


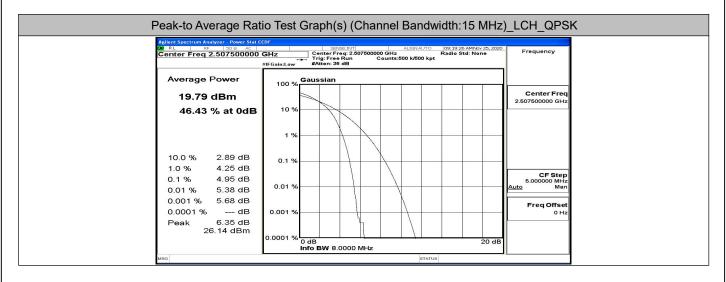


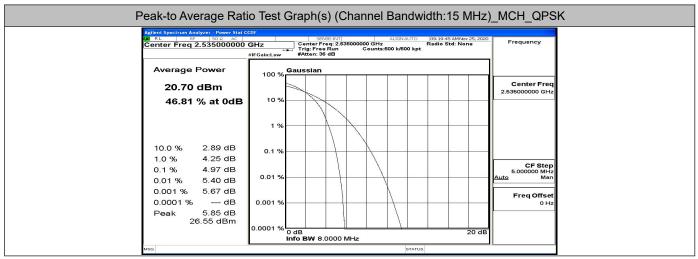


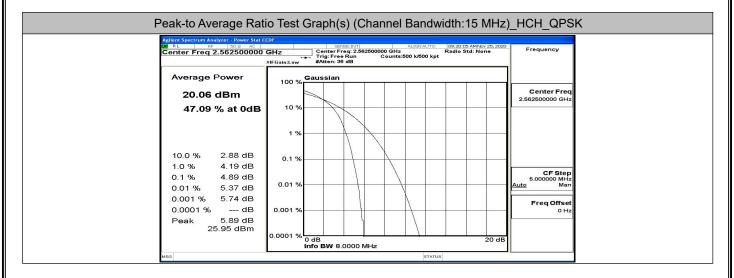


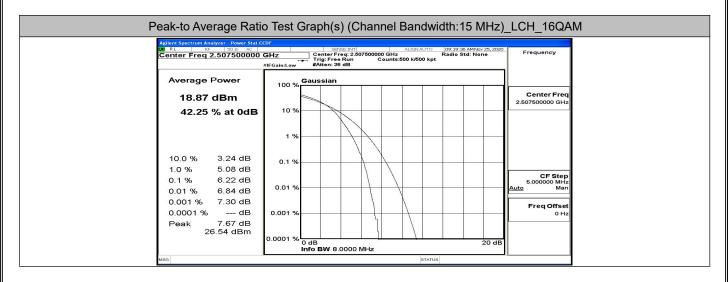


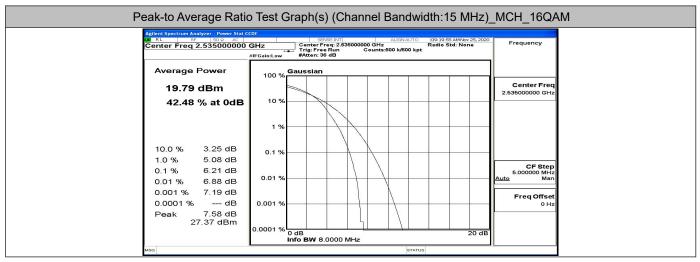


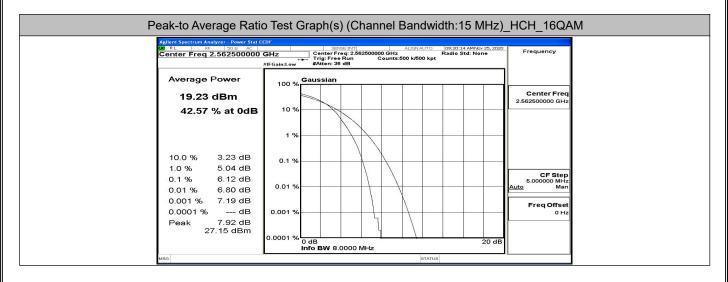


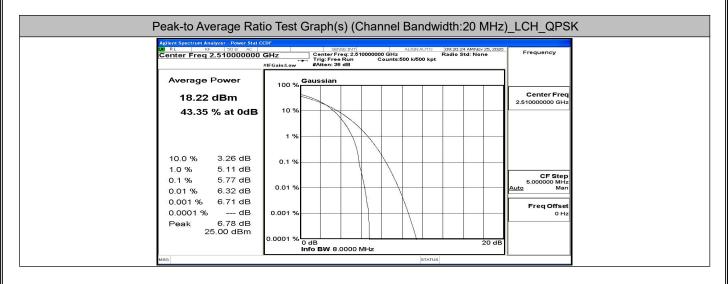


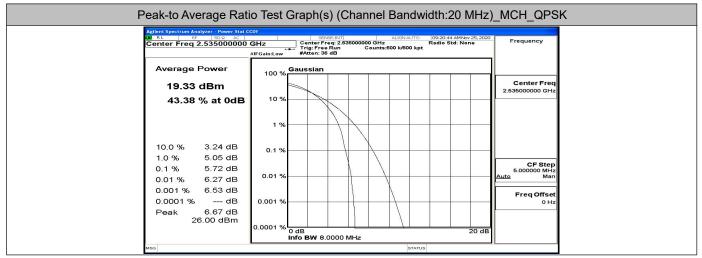


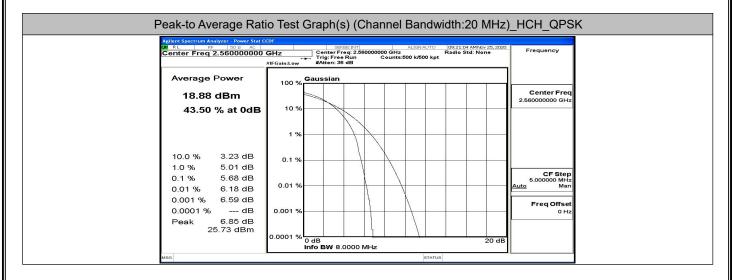


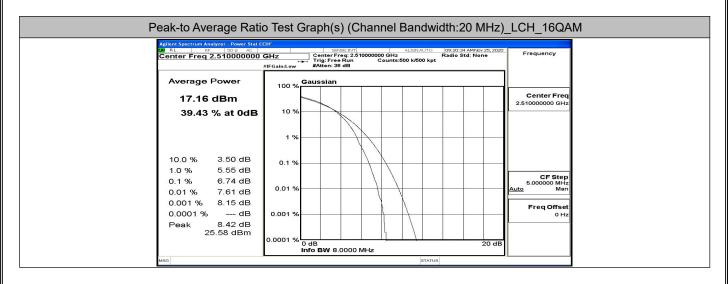


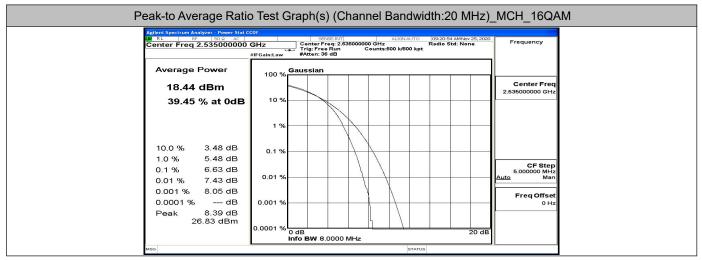


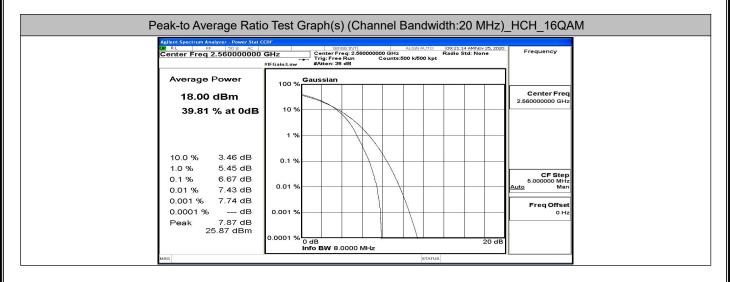












E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Chamile	(MHz)	(MHz)	verdict		
QPSK	LCH	4.4683	4.882	PASS		
	MCH	4.4793	4.838	PASS		
	HCH	4.4706	4.858	PASS		
16QAM	LCH	4.4733	4.760	PASS		
	MCH	4.4644	4.800	PASS		
	HCH	4.4737	4.850	PASS		

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
iviodulation	Channel	(MHz)	(MHz)	verdict		
	LCH	8.9427	9.478	PASS		
QPSK	MCH	8.9257	9.505	PASS		
	HCH	8.9288	9.485	PASS		
16QAM	LCH	8.9384	9.477	PASS		
	MCH	8.9457	9.502	PASS		
	HCH	8.9255	9.565	PASS		

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Channel	(MHz)	(MHz)	verdict		
	LCH	13.398	14.06	PASS		
QPSK	MCH	13.396	14.08	PASS		
	HCH	13.381	14.01	PASS		
16QAM	LCH	13.411	14.09	PASS		
	MCH	13.396	14.17	PASS		
	HCH	13.383	14.13	PASS		

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	17.916	18.78	PASS
	MCH	17.884	18.92	PASS
	HCH	17.857	18.67	PASS
16QAM	LCH	17.939	18.82	PASS
	MCH	17.863	18.94	PASS
	HCH	17.830	18.60	PASS

