Appendix for test report

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1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
Band41	LTE/TM1	5	LCH	RB1#0	24.17	24.90	33	PASS
				RB1#13	24.17	24.90	33	PASS
				RB1#24	24.09	24.82	33	PASS
				RB12#0	23.09	23.82	33	PASS
				RB12#6	23.08	23.81	33	PASS
				RB12#13	23.04	23.77	33	PASS
				RB25#0	23.02	23.75	33	PASS
			MCH	RB1#0	23.98	24.71	33	PASS
				RB1#13	23.94	24.67	33	PASS
				RB1#24	23.81	24.54	33	PASS
				RB12#0	23.00	23.73	33	PASS
				RB12#6	22.92	23.65	33	PASS
				RB12#13	22.88	23.61	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.85	23.58	33	PASS
			HCH	RB1#0	23.69	24.42	33	PASS
				RB1#13	23.97	24.70	33	PASS
				RB1#24	23.86	24.59	33	PASS
				RB12#0	22.03	22.76	33	PASS
				RB12#6	22.01	22.74	33	PASS
				RB12#13	21.96	22.69	33	PASS
				RB25#0	21.72	22.45	33	PASS
		10	LCH	RB1#0	24.07	24.80	33	PASS
				RB1#25	23.88	24.61	33	PASS
				RB1#49	23.40	24.13	33	PASS
				RB25#0	21.99	22.72	33	PASS
				RB25#13	23.02	23.75	33	PASS
				RB25#25	22.96	23.69	33	PASS
				RB50#0	22.98	23.71	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	23.93	24.66	33	PASS
				RB1#25	23.53	24.26	33	PASS
				RB1#49	23.88	24.61	33	PASS
				RB25#0	23.08	23.81	33	PASS
				RB25#13	23.01	23.74	33	PASS
				RB25#25	22.91	23.64	33	PASS
				RB50#0	22.98	23.71	33	PASS
			HCH	RB1#0	23.98	24.71	33	PASS
				RB1#25	23.69	24.42	33	PASS
				RB1#49	23.22	23.95	33	PASS
				RB25#0	21.91	22.64	33	PASS
				RB25#13	22.90	23.63	33	PASS
				RB25#25	22.91	23.64	33	PASS
				RB50#0	22.85	23.58	33	PASS
		15	LCH	RB1#0	24.03	24.76	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	24.04	24.77	33	PASS
				RB1#74	23.94	24.67	33	PASS
				RB38#0	22.99	23.72	33	PASS
				RB38#19	22.98	23.71	33	PASS
				RB38#39	23.07	23.80	33	PASS
				RB75#0	22.97	23.70	33	PASS
			MCH	RB1#0	23.97	24.70	33	PASS
				RB1#38	24.03	24.76	33	PASS
				RB1#74	23.83	24.56	33	PASS
				RB38#0	22.95	23.68	33	PASS
				RB38#19	22.94	23.67	33	PASS
				RB38#39	22.86	23.59	33	PASS
				RB75#0	22.99	23.72	33	PASS
			HCH	RB1#0	23.74	24.47	33	PASS
				RB1#38	24.08	24.81	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	23.91	24.64	33	PASS
				RB38#0	23.03	23.76	33	PASS
				RB38#19	22.96	23.69	33	PASS
				RB38#39	22.98	23.71	33	PASS
				RB75#0	22.97	23.70	33	PASS
		20	LCH	RB1#0	23.87	24.60	33	PASS
				RB1#50	23.88	24.61	33	PASS
				RB1#99	24.06	24.79	33	PASS
				RB50#0	23.11	23.84	33	PASS
				RB50#25	23.13	23.86	33	PASS
				RB50#50	23.22	23.95	33	PASS
				RB100#0	23.15	23.88	33	PASS
			MCH	RB1#0	23.85	24.58	33	PASS
				RB1#50	23.65	24.38	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	23.76	24.49	33	PASS
				RB50#0	23.05	23.78	33	PASS
				RB50#25	23.02	23.75	33	PASS
				RB50#50	23.03	23.76	33	PASS
				RB100#0	23.06	23.79	33	PASS
			HCH	RB1#0	23.98	24.71	33	PASS
				RB1#50	23.76	24.49	33	PASS
				RB1#99	23.88	24.61	33	PASS
				RB50#0	23.04	23.77	33	PASS
				RB50#25	22.97	23.70	33	PASS
				RB50#50	23.02	23.75	33	PASS
				RB100#0	22.99	23.72	33	PASS
	LTE/TM2	5	LCH	RB1#0	23.55	24.28	33	PASS
				RB1#13	23.56	24.29	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	23.47	24.20	33	PASS
				RB12#0	21.99	22.72	33	PASS
				RB12#6	21.96	22.69	33	PASS
				RB12#13	21.94	22.67	33	PASS
				RB25#0	23.67	24.40	33	PASS
			MCH	RB1#0	23.92	24.65	33	PASS
				RB1#13	23.32	24.05	33	PASS
				RB1#24	23.00	23.73	33	PASS
				RB12#0	22.92	23.65	33	PASS
				RB12#6	22.88	23.61	33	PASS
				RB12#13	22.84	23.57	33	PASS
				RB25#0	24.06	24.79	33	PASS
			HCH	RB1#0	23.93	24.66	33	PASS
				RB1#13	23.86	24.59	33	PASS
				RB1#24	22.95	23.68	33	PASS
				RB12#0	22.89	23.62	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	22.90	23.63	33	PASS
				RB12#13	22.88	23.61	33	PASS
				RB25#0	23.98	24.71	33	PASS
		10	LCH	RB1#0	23.87	24.60	33	PASS
				RB1#25	23.96	24.69	33	PASS
				RB1#49	23.09	23.82	33	PASS
				RB25#0	23.01	23.74	33	PASS
				RB25#13	21.95	22.68	33	PASS
				RB25#25	21.90	22.63	33	PASS
				RB50#0	23.62	24.35	33	PASS
			MCH	RB1#0	23.13	23.86	33	PASS
				RB1#25	23.88	24.61	33	PASS
				RB1#49	23.07	23.80	33	PASS
				RB25#0	22.99	23.72	33	PASS
				RB25#13	22.91	23.64	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.98	23.71	33	PASS
				RB50#0	24.04	24.77	33	PASS
			HCH	RB1#0	23.67	24.40	33	PASS
				RB1#25	23.88	24.61	33	PASS
				RB1#49	22.95	23.68	33	PASS
				RB25#0	22.90	23.63	33	PASS
				RB25#13	22.91	23.64	33	PASS
				RB25#25	22.84	23.57	33	PASS
				RB50#0	23.93	24.66	33	PASS
		15	LCH	RB1#0	23.62	24.35	33	PASS
				RB1#38	23.62	24.35	33	PASS
				RB1#74	22.98	23.71	33	PASS
				RB38#0	22.98	23.71	33	PASS
				RB38#19	23.07	23.80	33	PASS
				RB38#3	22.97	23.70	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				9				
				RB75#0	23.70	24.43	33	PASS
			MCH	RB1#0	23.19	23.92	33	PASS
				RB1#38	23.83	24.56	33	PASS
				RB1#74	22.95	23.68	33	PASS
				RB38#0	22.94	23.67	33	PASS
				RB38#19	22.86	23.59	33	PASS
				RB38#39	22.99	23.72	33	PASS
				RB75#0	23.87	24.60	33	PASS
			HCH	RB1#0	22.87	23.60	33	PASS
				RB1#38	23.21	23.94	33	PASS
				RB1#74	23.02	23.75	33	PASS
				RB38#0	22.98	23.71	33	PASS
				RB38#19	22.98	23.71	33	PASS
				RB38#39	22.97	23.70	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	23.97	24.70	33	PASS
		20	LCH	RB1#0	23.79	24.52	33	PASS
				RB1#50	24.03	24.76	33	PASS
				RB1#99	23.12	23.85	33	PASS
				RB50#0	23.14	23.87	33	PASS
				RB50#25	23.22	23.95	33	PASS
				RB50#50	23.15	23.88	33	PASS
				RB100#0	23.67	24.40	33	PASS
			MCH	RB1#0	23.10	23.83	33	PASS
				RB1#50	22.80	23.53	33	PASS
				RB1#99	23.05	23.78	33	PASS
				RB50#0	22.02	22.75	33	PASS
				RB50#25	23.03	23.76	33	PASS
				RB50#50	23.06	23.79	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	23.06	23.79	33	PASS
			HCH	RB1#0	23.26	23.99	33	PASS
				RB1#50	23.88	24.61	33	PASS
				RB1#99	22.76	23.49	33	PASS
				RB50#0	22.96	23.69	33	PASS
				RB50#25	21.90	22.63	33	PASS
				RB50#50	22.98	23.71	33	PASS
				RB100#0	23.60	24.33	33	PASS

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Note1:

a, For getting the ERP (Efficient Radiated Power) or 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

Note2:

SET Span = 1.5 * OBW

SET RBW = 1% of the OBW,not to exceed 1MHz

SET VBW >= 3 * RBW

SET Sweep time = auto - couple.

Detector: RMS

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2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
Band41	LTE/TM1	5	LCH	RB1#0	6.74	13	PASS
				RB1#13	5.27	13	PASS
				RB1#24	5.33	13	PASS
				RB12#0	5.62	13	PASS
				RB12#6	5.90	13	PASS
				RB12#13	5.68	13	PASS
				RB25#0	6.36	13	PASS
			MCH	RB1#0	5.65	13	PASS
				RB1#13	5.61	13	PASS
				RB1#24	5.28	13	PASS
				RB12#0	5.72	13	PASS
				RB12#6	5.77	13	PASS
				RB12#13	5.75	13	PASS
				RB25#0	5.43	13	PASS
			HCH	RB1#0	4.87	13	PASS
				RB1#13	7.31	13	PASS
				RB1#24	7.09	13	PASS
				RB12#0	5.89	13	PASS
				RB12#6	5.85	13	PASS
				RB12#13	5.83	13	PASS
				RB25#0	6.19	13	PASS
		10	LCH	RB1#0	5.18	13	PASS
				RB1#25	5.22	13	PASS
				RB1#49	5.22	13	PASS
				RB25#0	6.60	13	PASS
				RB25#13	6.63	13	PASS
				RB25#25	6.45	13	PASS
				RB50#0	5.05	13	PASS
			MCH	RB1#0	5.49	13	PASS
				RB1#25	5.55	13	PASS
				RB1#49	5.49	13	PASS
				RB25#0	6.85	13	PASS
				RB25#13	7.02	13	PASS
				RB25#25	6.49	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.10	13	PASS
			HCH	RB1#0	5.05	13	PASS
				RB1#25	5.06	13	PASS
				RB1#49	5.14	13	PASS
				RB25#0	6.41	13	PASS
				RB25#13	6.49	13	PASS
				RB25#25	6.80	13	PASS
				RB50#0	5.42	13	PASS
		15	LCH	RB1#0	5.10	13	PASS
				RB1#38	5.07	13	PASS
				RB1#74	5.11	13	PASS
				RB38#0	6.68	13	PASS
				RB38#19	6.70	13	PASS
				RB38#39	6.66	13	PASS
				RB75#0	5.42	13	PASS
			MCH	RB1#0	5.33	13	PASS
				RB1#38	5.32	13	PASS
				RB1#74	5.37	13	PASS
				RB38#0	6.56	13	PASS
				RB38#19	6.57	13	PASS
				RB38#39	6.83	13	PASS
				RB75#0	4.90	13	PASS
			HCH	RB1#0	5.32	13	PASS
				RB1#38	5.27	13	PASS
				RB1#74	5.42	13	PASS
				RB38#0	6.50	13	PASS
				RB38#19	6.52	13	PASS
				RB38#39	6.69	13	PASS
				RB75#0	5.33	13	PASS
		20	LCH	RB1#0	4.89	13	PASS
				RB1#50	4.78	13	PASS
				RB1#99	4.91	13	PASS
				RB50#0	6.61	13	PASS
				RB50#25	6.53	13	PASS
				RB50#50	6.52	13	PASS
				RB100#0	4.87	13	PASS
			MCH	RB1#0	4.48	13	PASS
				RB1#50	4.58	13	PASS
				RB1#99	6.61	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.53	13	PASS
				RB50#25	6.52	13	PASS
				RB50#50	6.70	13	PASS
				RB100#0	0.00	13	PASS
			HCH	RB1#0	4.82	13	PASS
				RB1#50	4.86	13	PASS
				RB1#99	4.89	13	PASS
				RB50#0	6.30	13	PASS
				RB50#25	6.27	13	PASS
				RB50#50	6.25	13	PASS
				RB100#0	4.49	13	PASS
	LTE/TM1	5	LCH	RB1#0	6.11	13	PASS
				RB1#13	6.34	13	PASS
				RB1#24	5.50	13	PASS
				RB12#0	5.48	13	PASS
				RB12#6	6.75	13	PASS
				RB12#13	6.87	13	PASS
				RB25#0	5.64	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#13	5.72	13	PASS
				RB1#24	5.86	13	PASS
				RB12#0	6.65	13	PASS
				RB12#6	6.62	13	PASS
				RB12#13	6.55	13	PASS
				RB25#0	7.02	13	PASS
			HCH	RB1#0	6.27	13	PASS
				RB1#13	5.88	13	PASS
				RB1#24	0.00	13	PASS
				RB12#0	6.66	13	PASS
				RB12#6	6.64	13	PASS
				RB12#13	6.61	13	PASS
				RB25#0	6.96	13	PASS
		10	LCH	RB1#0	5.60	13	PASS
				RB1#25	5.62	13	PASS
				RB1#49	7.39	13	PASS
				RB25#0	7.36	13	PASS
				RB25#13	7.38	13	PASS
				RB25#25	7.52	13	PASS
				RB50#0	5.18	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	5.78	13	PASS
				RB1#25	5.73	13	PASS
				RB1#49	5.85	13	PASS
				RB25#0	7.08	13	PASS
				RB25#13	7.09	13	PASS
				RB25#25	7.02	13	PASS
				RB50#0	7.02	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#25	5.21	13	PASS
				RB1#49	5.15	13	PASS
				RB25#0	7.43	13	PASS
				RB25#13	7.41	13	PASS
				RB25#25	6.98	13	PASS
				RB50#0	5.75	13	PASS
		15	LCH	RB1#0	5.60	13	PASS
				RB1#38	5.58	13	PASS
				RB1#74	5.65	13	PASS
				RB38#0	7.08	13	PASS
				RB38#19	7.13	13	PASS
				RB38#39	7.14	13	PASS
				RB75#0	7.73	13	PASS
			MCH	RB1#0	5.98	13	PASS
				RB1#38	5.97	13	PASS
				RB1#74	6.02	13	PASS
				RB38#0	7.44	13	PASS
				RB38#19	7.47	13	PASS
				RB38#39	7.46	13	PASS
				RB75#0	5.78	13	PASS
			HCH	RB1#0	5.63	13	PASS
				RB1#38	5.62	13	PASS
				RB1#74	7.05	13	PASS
				RB38#0	7.08	13	PASS
				RB38#19	7.08	13	PASS
				RB38#39	7.08	13	PASS
				RB75#0	7.70	13	PASS
		20	LCH	RB1#0	5.75	13	PASS
				RB1#50	5.78	13	PASS
				RB1#99	5.78	13	PASS
				RB50#0	7.24	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	7.19	13	PASS
				RB50#50	7.22	13	PASS
				RB100#0	6.14	13	PASS
			MCH	RB1#0	5.79	13	PASS
				RB1#50	5.87	13	PASS
				RB1#99	5.87	13	PASS
				RB50#0	7.44	13	PASS
				RB50#25	7.43	13	PASS
				RB50#50	7.57	13	PASS
				RB100#0	0.00	13	PASS
			HCH	RB1#0	6.13	13	PASS
				RB1#50	6.40	13	PASS
				RB1#99	7.16	13	PASS
				RB50#0	7.20	13	PASS
				RB50#25	7.22	13	PASS
				RB50#50	7.21	13	PASS
				RB100#0	5.79	13	PASS

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3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

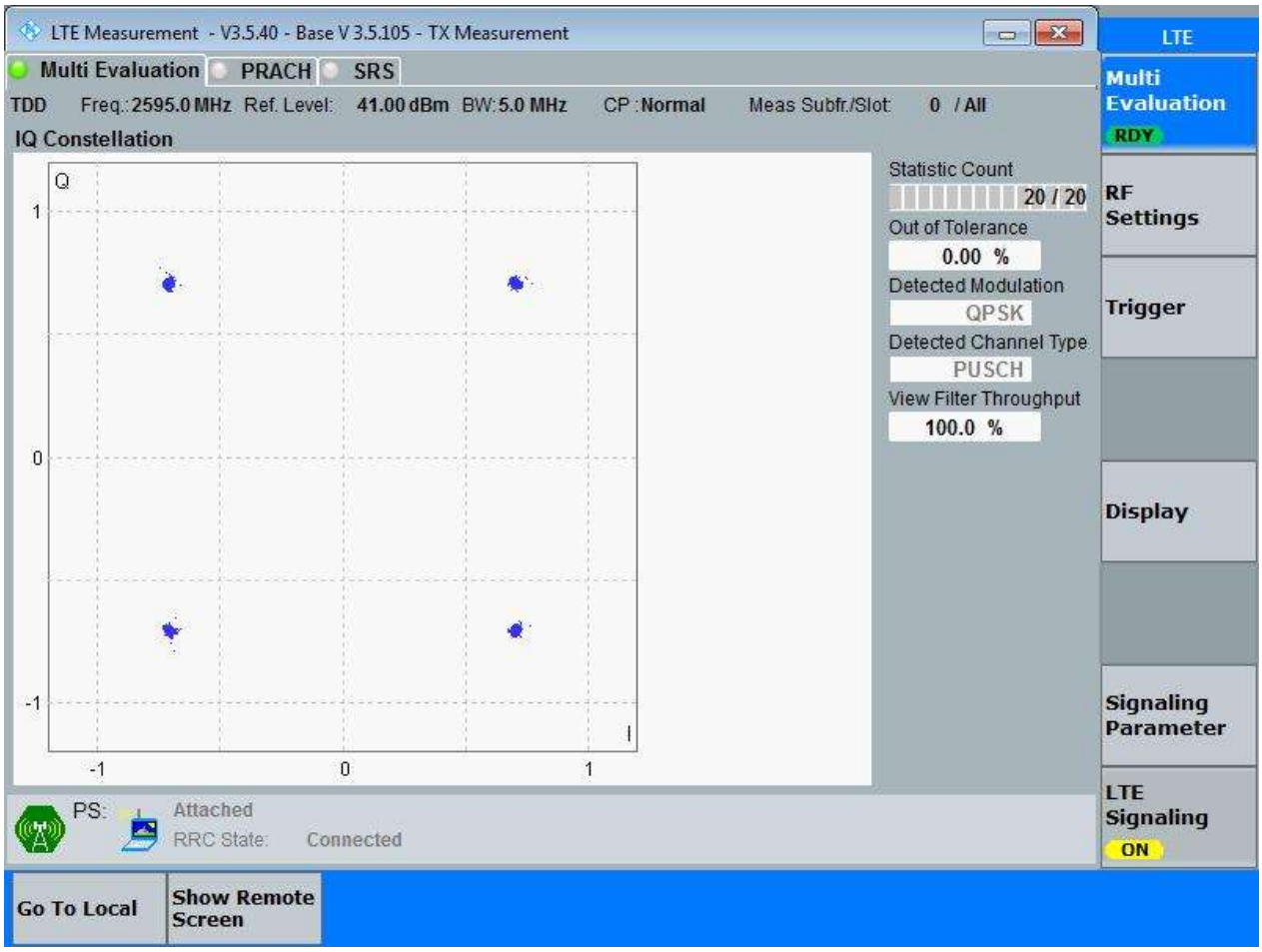
3.1.1 Test Band = Band41

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

3.1.1.1.1.1.1 Test RB = RB25#0



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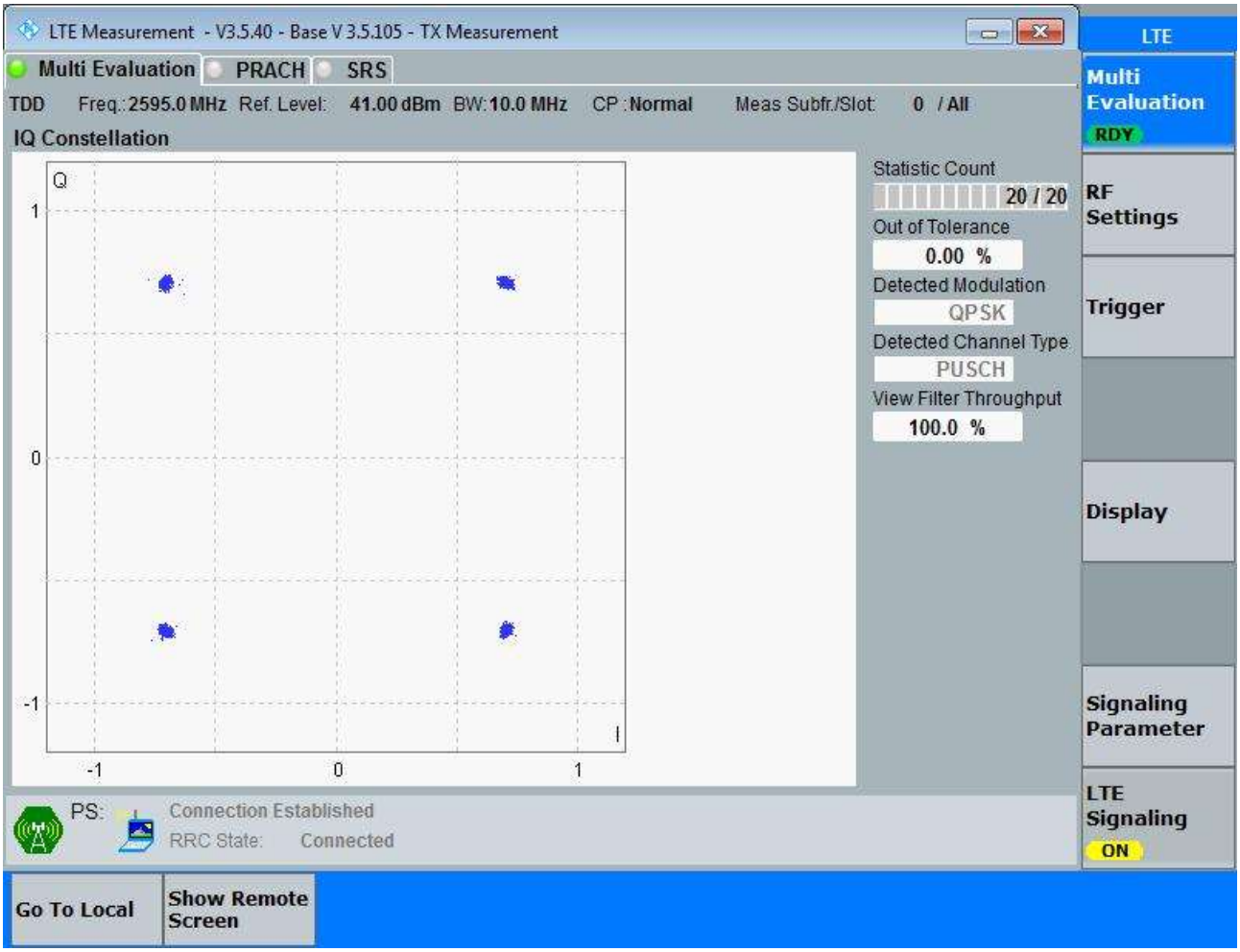
3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

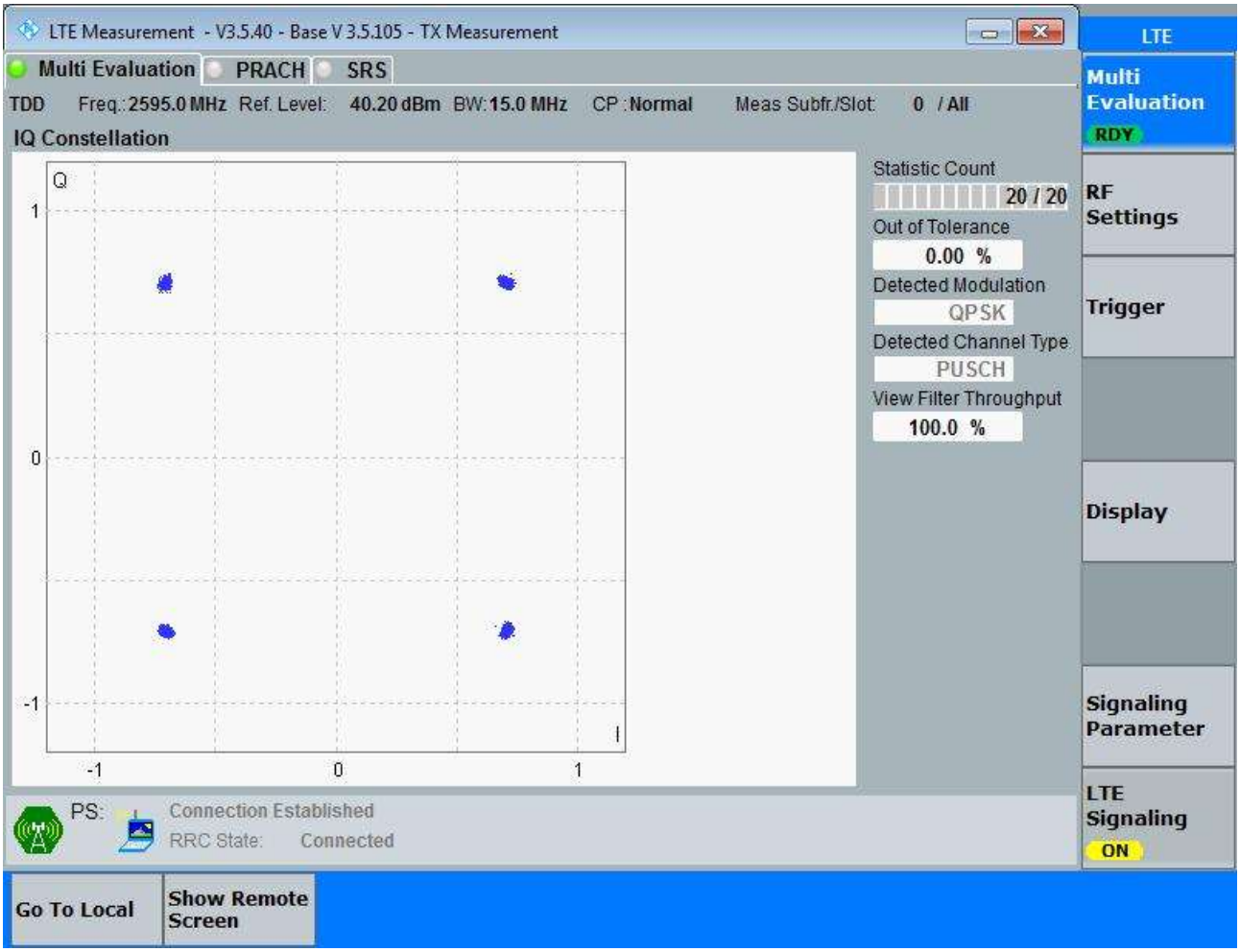
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

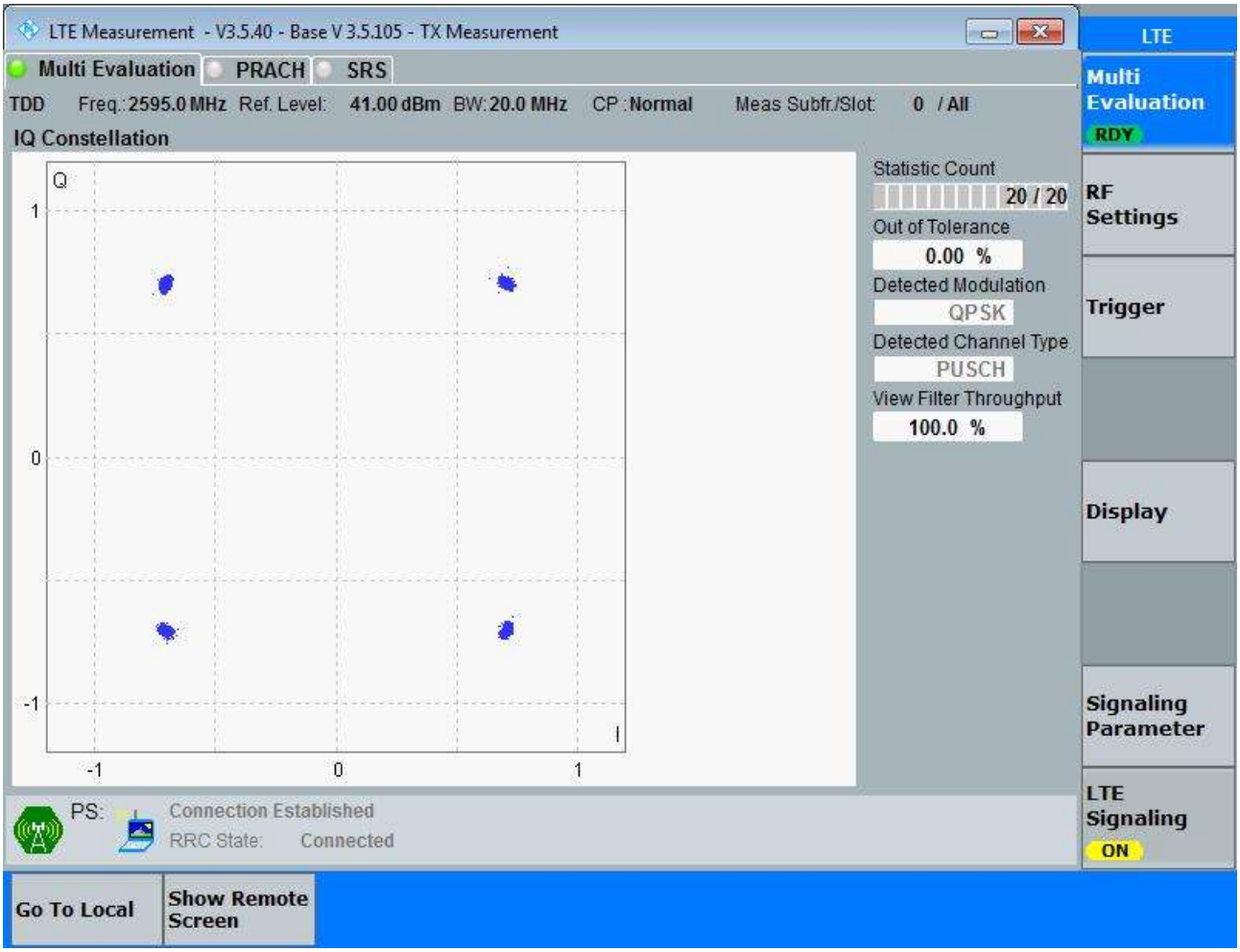
3.1.1.1.3.1.1 Test RB = RB75#0



3.1.1.1.4 Test Bandwidth = 20

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB100#0

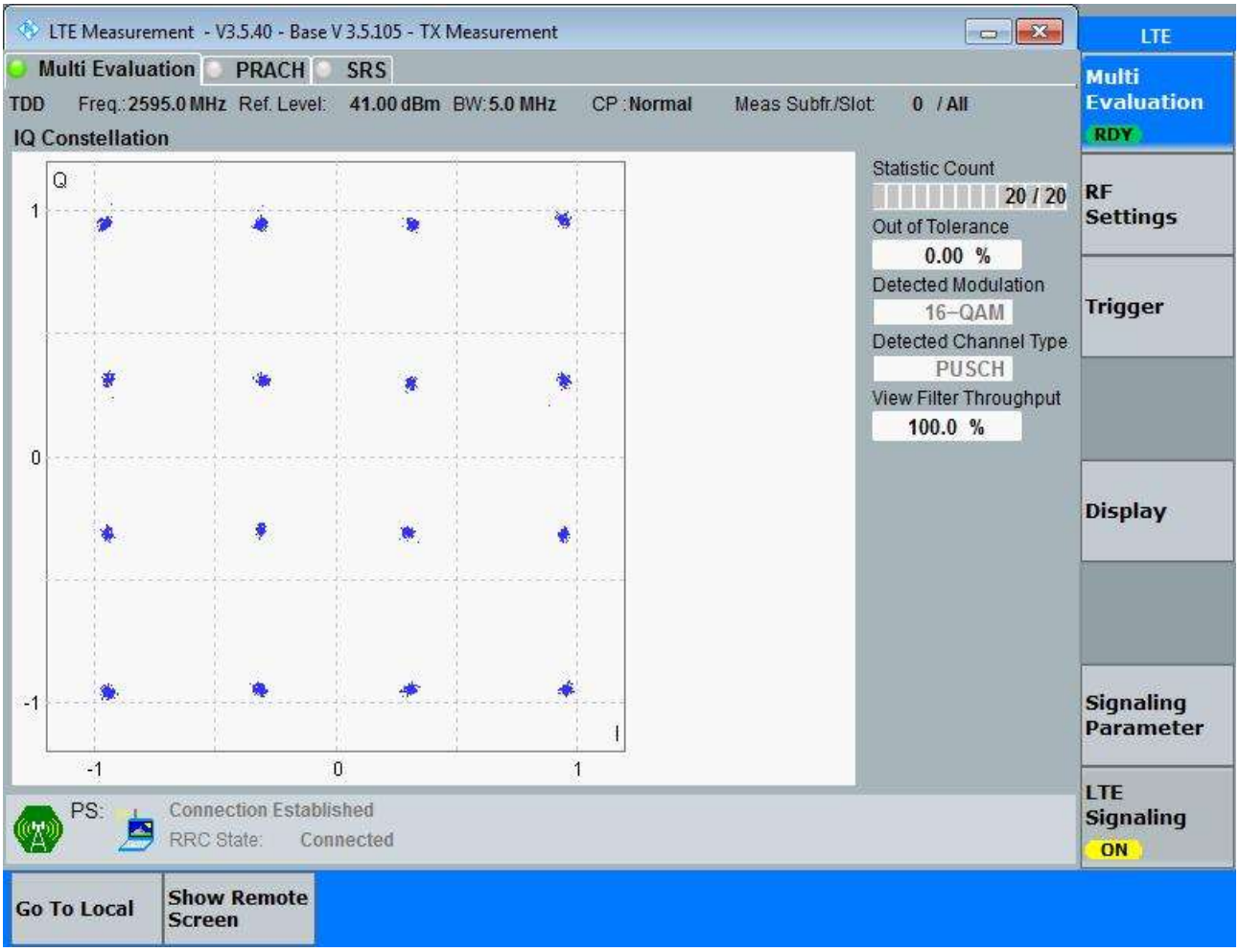


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

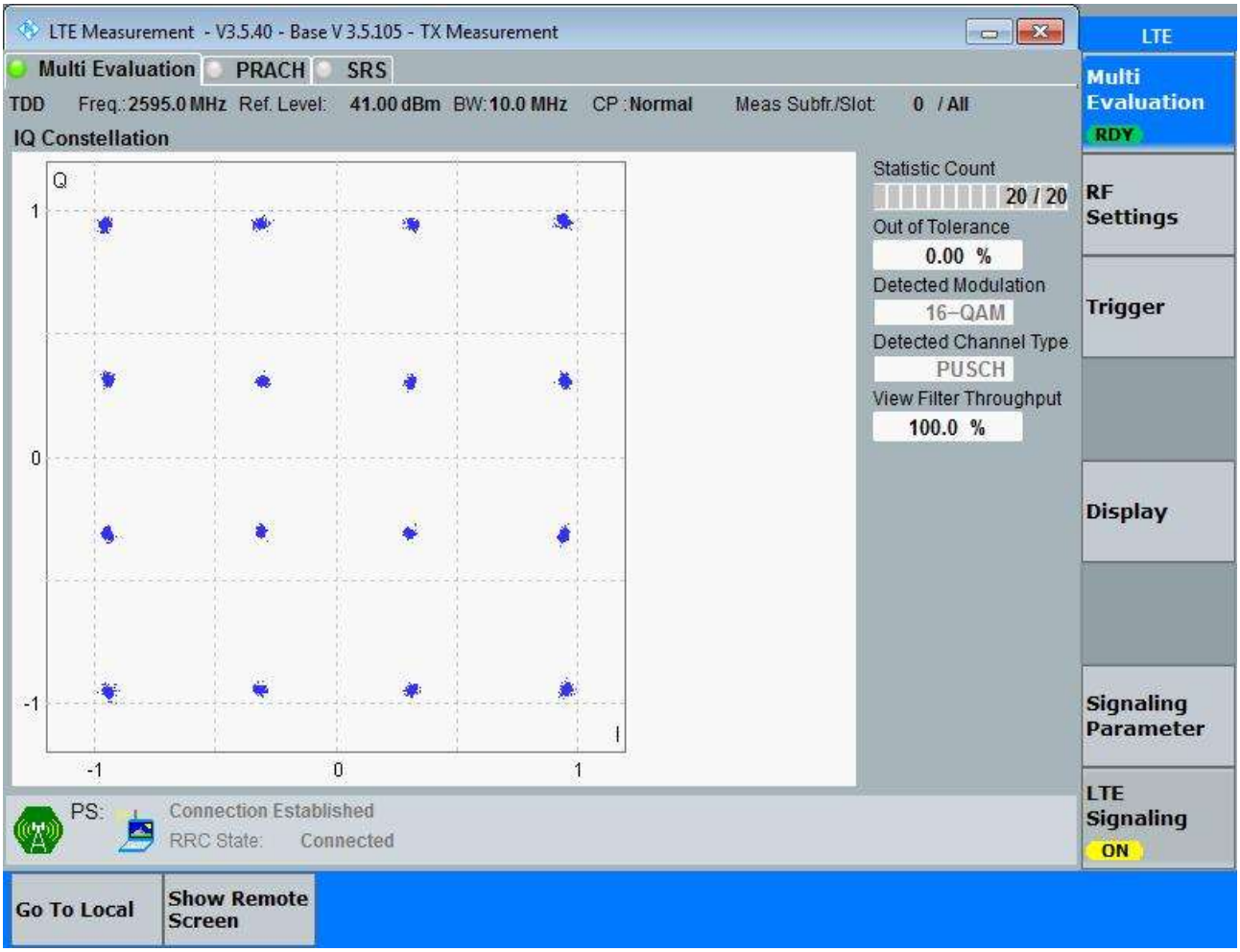
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

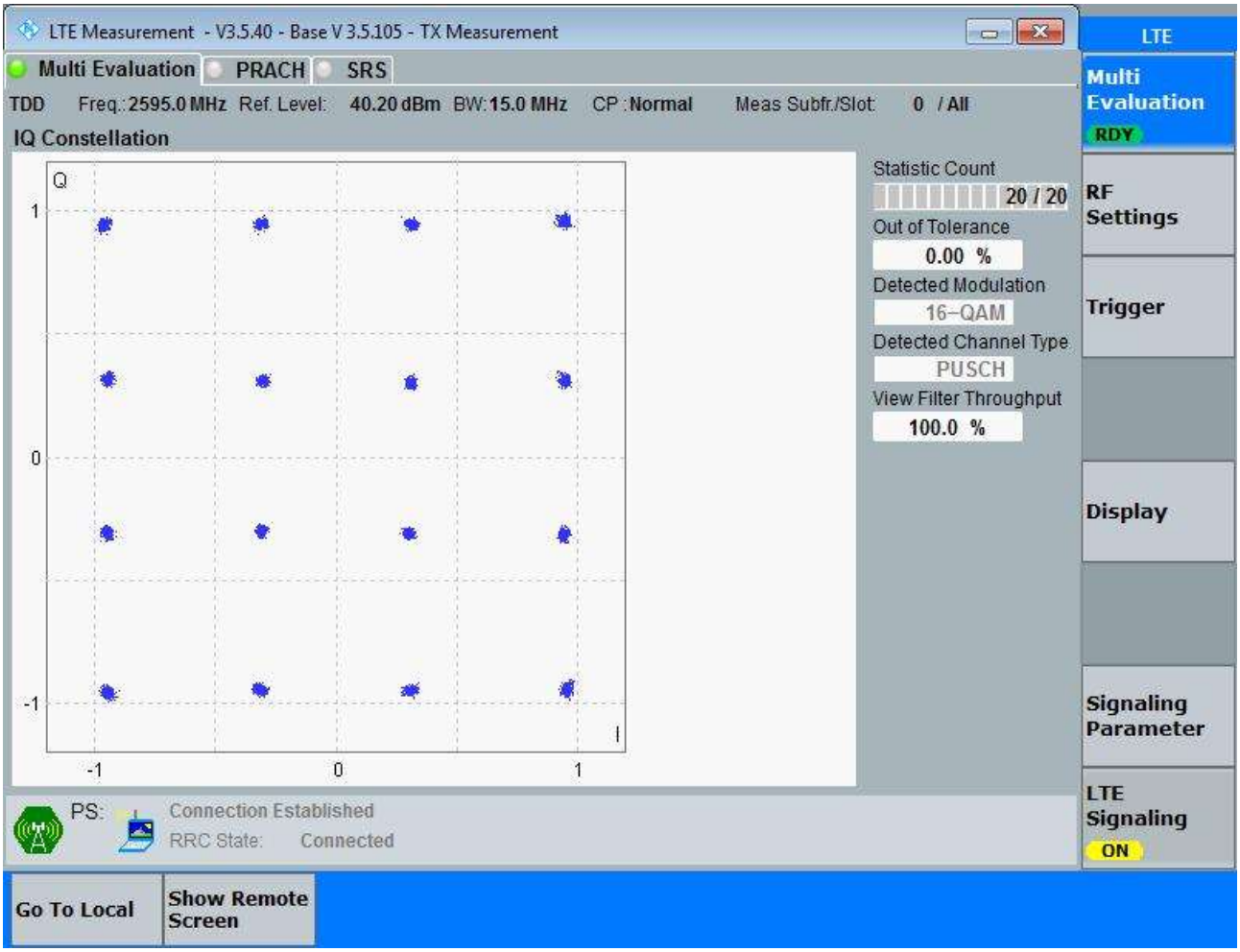
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

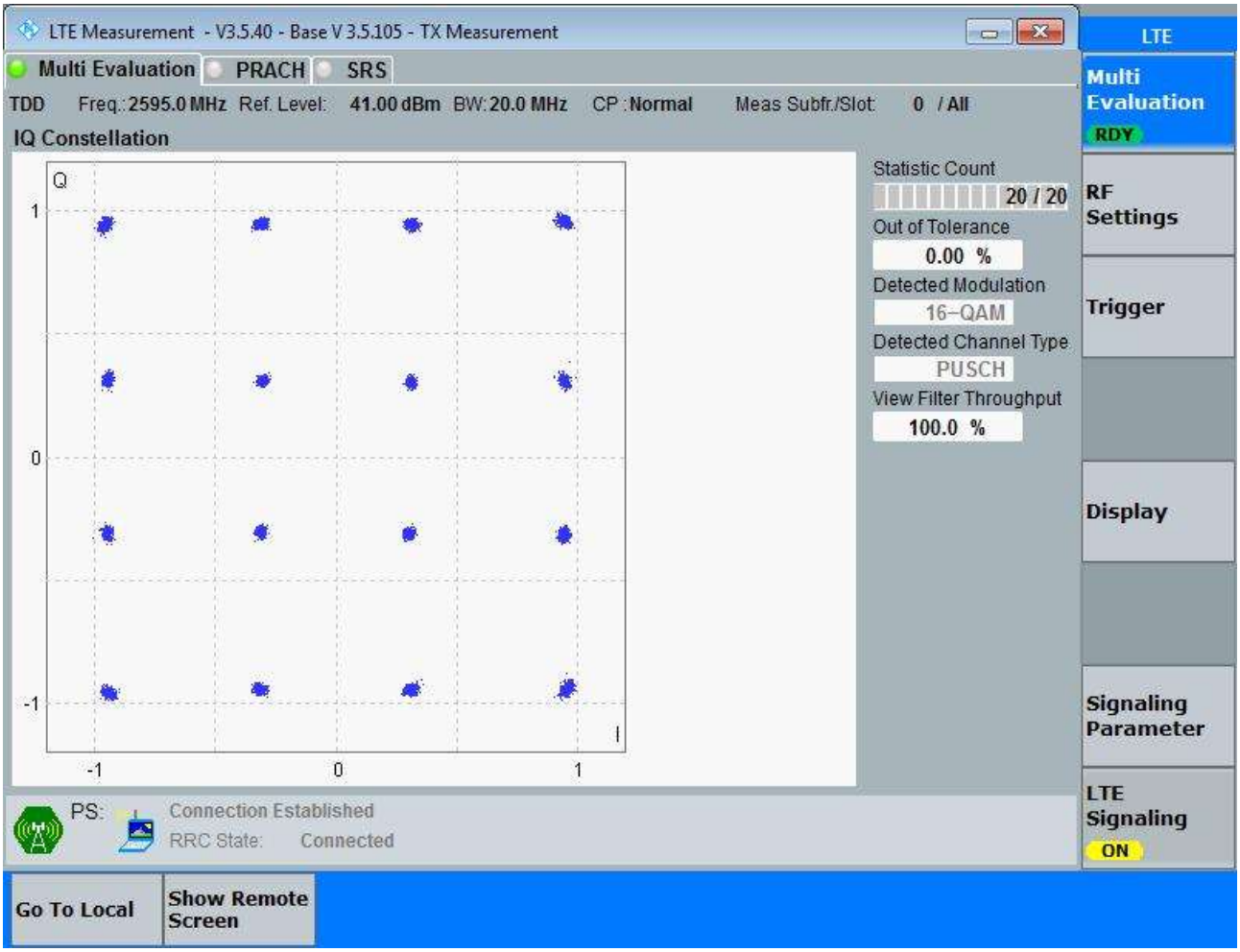
3.1.1.2.3.1.1 Test RB = RB75#0



3.1.1.2.4 Test Bandwidth = 20

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band41	LTE/TM1	5	LCH	RB25#0	4.50	4.93	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.94	Pass
		10	LCH	RB50#0	8.99	9.85	Pass
			MCH	RB50#0	9.00	9.83	Pass
			HCH	RB50#0	8.99	9.99	Pass
		15	LCH	RB75#0	13.46	14.62	Pass
			MCH	RB75#0	13.46	14.77	Pass
			HCH	RB75#0	13.49	14.84	Pass
		20	LCH	RB100#0	18.00	19.52	Pass
			MCH	RB100#0	17.98	19.60	Pass
			HCH	RB100#0	18.02	20.13	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	5.08	Pass
			MCH	RB25#0	4.51	4.99	Pass
			HCH	RB25#0	4.49	4.92	Pass
		10	LCH	RB50#0	8.97	9.83	Pass
			MCH	RB50#0	8.98	9.95	Pass
			HCH	RB50#0	9.03	9.81	Pass
		15	LCH	RB75#0	13.48	14.91	Pass
			MCH	RB75#0	13.47	14.88	Pass
			HCH	RB75#0	13.52	15.21	Pass
		20	LCH	RB100#0	17.95	19.61	Pass
			MCH	RB100#0	18.02	19.80	Pass
			HCH	RB100#0	18.01	19.51	Pass

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Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = Band41

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0

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4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0

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4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

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4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0

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4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0

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4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0

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4.1.1.1.3 Test Bandwidth = 15

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0

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4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB75#0

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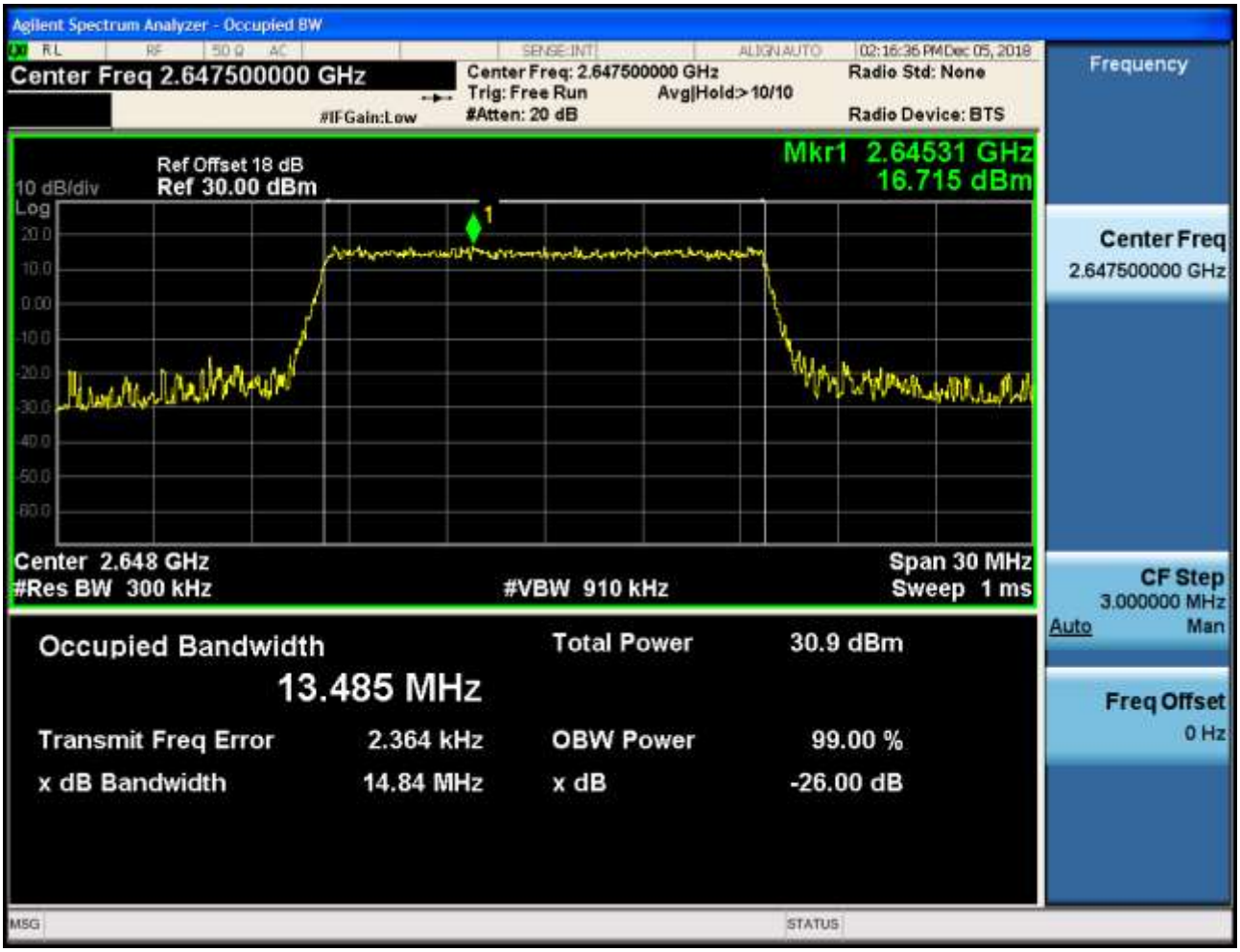
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB75#0



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4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0

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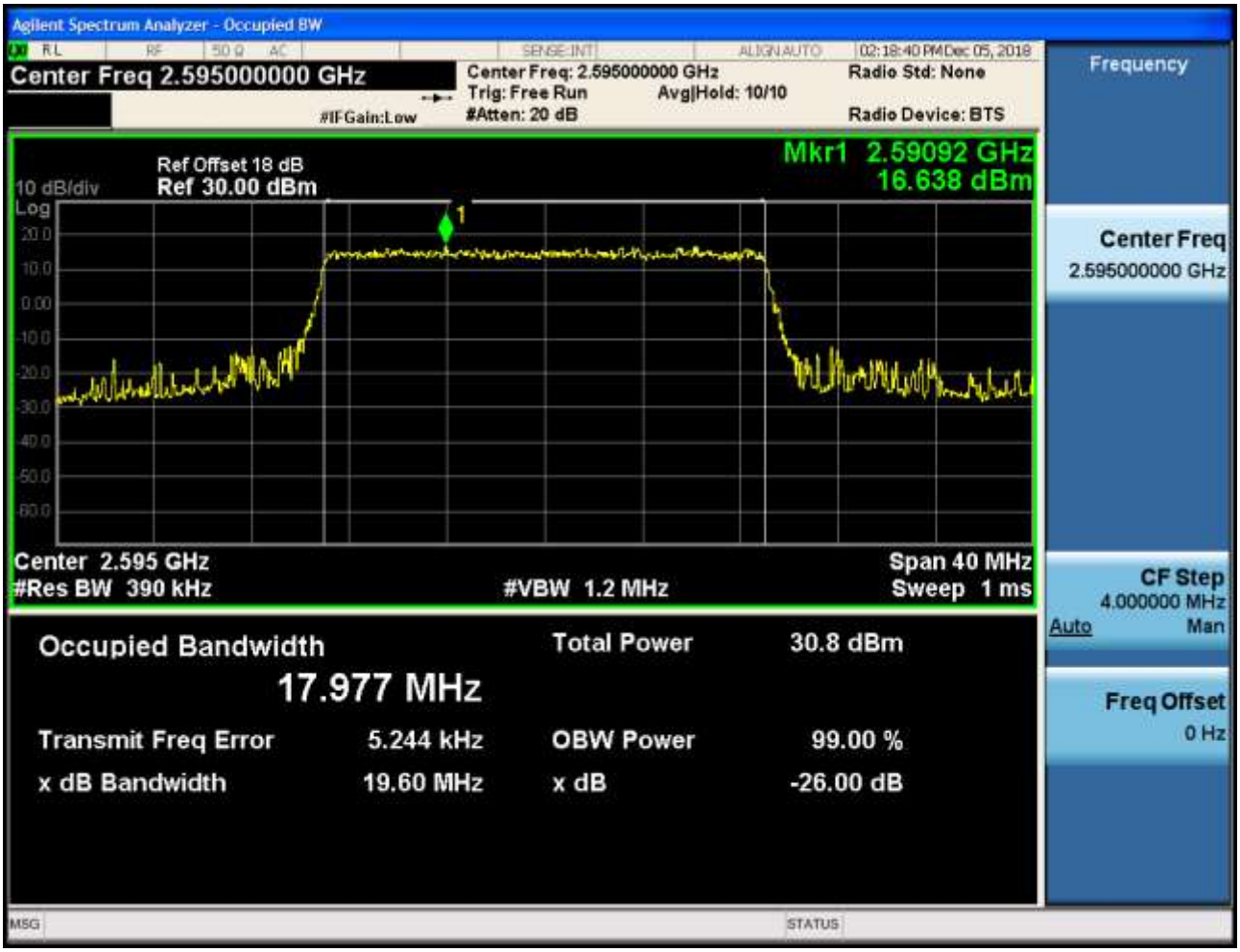
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB100#0



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4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0

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4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0

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4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0

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4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

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4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0

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4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB50#0

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4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0

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4.1.1.2.3 Test Bandwidth = 15

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB75#0

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4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB75#0

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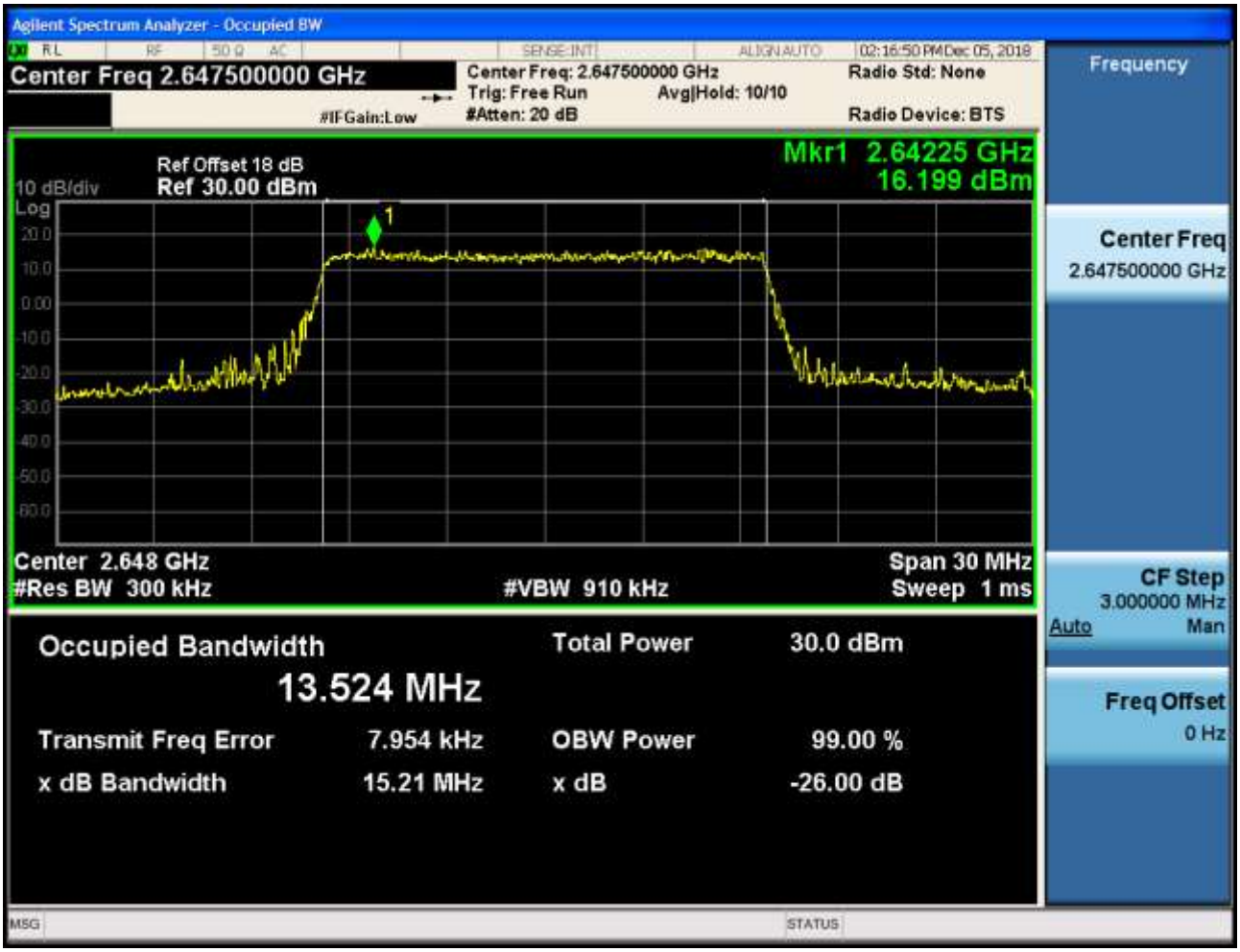
4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0



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4.1.1.2.4 Test Bandwidth = 20

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB100#0

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4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB100#0

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4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB100#0

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5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = Band41

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:02:47 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-22.402 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:03:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-13.206 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.1.1.2 Test RB = RB1#24

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:04:43 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 475 5 GHz
-31.949 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:05:04 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 980 GHz
-32.641 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.1.1.3 Test RB = RB12#6

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:06:40 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-27.797 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:07:01 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-25.648 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.1.1.4 Test RB = RB25#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:08:37 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 479 0 GHz
-21.116 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:08:58 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-22.381 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:10:38 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 517 5 GHz
-32.164 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:10:56 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.665 226 GHz
-36.020 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.1.2.2 Test RB = RB1#24

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:12:35 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 503 5 GHz
-23.081 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:12:54 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 012 GHz
-39.963 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.1.2.3 Test RB = RB12#6

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:14:32 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 517 5 GHz
-28.468 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:14:51 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 012 GHz
-38.013 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.1.2.4 Test RB = RB25#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:16:29 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 503 5 GHz
-21.914 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:16:48 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 036 GHz
-32.269 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:18:59 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 486 0 GHz
-27.099 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:19:19 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-17.108 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.2.1.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:20:55 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 493 0 GHz
-36.281 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:21:16 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-36.763 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2.1.3 Test RB = RB25#13

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:22:53 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 496 5 GHz
-26.176 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:23:13 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-28.236 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2.1.4 Test RB = RB50#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:24:49 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 479 0 GHz
-23.894 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:25:10 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-26.201 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:26:50 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 549 0 GHz
-38.335 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:27:08 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.663 28 GHz
-37.198 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.2.2.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:28:47 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 671 5 GHz
-31.555 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:29:05 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.663 23 GHz
-36.926 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2.2.3 Test RB = RB25#13

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:30:43 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 524 5 GHz
-24.979 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:31:01 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 04 GHz
-35.569 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.2.2.4 Test RB = RB50#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:32:39 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 521 0 GHz
-24.168 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:32:57 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.661 25 GHz
-25.706 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.3 Test Bandwidth = 15

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:35:08 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 486 0 GHz
-33.746 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:35:29 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-14.913 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.3.1.2 Test RB = RB1#74

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:37:25 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-36.420 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.3.1.3 Test RB = RB38#19

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:39:01 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-25.858 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:39:22 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-27.547 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.3.1.4 Test RB = RB75#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:40:58 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.532 992 5 GHz
-22.539 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:41:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-24.599 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:42:57 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 584 0 GHz
-38.267 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:43:16 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.667 485 GHz
-39.538 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.3.2.2 Test RB = RB1#74

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:44:54 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 507 0 GHz
-32.900 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:45:12 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.667 440 GHz
-34.316 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.3.2.3 Test RB = RB38#19

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:46:51 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 531 5 GHz
-24.744 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:47:09 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 270 GHz
-34.593 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.3.2.4 Test RB = RB75#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:48:47 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 804 5 GHz
-24.472 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:49:06 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.661 395 GHz
-26.378 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4 Test Bandwidth = 20

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:51:17 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 444 0 GHz
-32.909 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:51:38 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-18.593 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.1.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:53:14 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 097 5 GHz
-39.574 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

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5.1.1.1.4.1.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:55:11 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-26.637 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:55:32 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-28.948 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.1.4 Test RB = RB100#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:57:09 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 472 0 GHz
-24.726 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:57:29 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-25.650 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0

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