Appendix for test report

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
BAND4	LTE/TM1	1.4	LCH	RB1#0	23.31	23.81	30	PASS
				RB1#3	23.33	23.83	30	PASS
				RB1#5	23.31	23.81	30	PASS
				RB3#0	23.46	23.96	30	PASS
				RB3#2	23.51	24.01	30	PASS
				RB3#3	23.49	23.99	30	PASS
				RB6#0	22.35	22.85	30	PASS
			MCH	RB1#0	23.55	24.05	30	PASS
				RB1#3	23.47	23.97	30	PASS
				RB1#5	23.44	23.94	30	PASS
				RB3#0	23.42	23.92	30	PASS
				RB3#2	23.55	24.05	30	PASS
				RB3#3	23.46	23.96	30	PASS
				RB6#0	22.54	23.04	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.52	24.02	30	PASS
				RB1#3	23.51	24.01	30	PASS
				RB1#5	23.45	23.95	30	PASS
				RB3#0	23.51	24.01	30	PASS
				RB3#2	23.52	24.02	30	PASS
				RB3#3	23.55	24.05	30	PASS
				RB6#0	22.55	23.05	30	PASS
		3	LCH	RB1#0	23.51	24.01	30	PASS
				RB1#7	23.7	24.2	30	PASS
				RB1#14	23.69	24.19	30	PASS
				RB8#0	22.54	23.04	30	PASS
				RB8#4	22.55	23.05	30	PASS
				RB8#7	22.59	23.09	30	PASS
				RB15#0	22.57	23.07	30	PASS
			MCH	RB1#0	23.74	24.24	30	PASS
				RB1#7	23.72	24.22	30	PASS
				RB1#14	23.72	24.22	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.63	23.13	30	PASS
				RB8#4	22.64	23.14	30	PASS
				RB8#7	22.4	22.9	30	PASS
				RB15#0	22.59	23.09	30	PASS
			HCH	RB1#0	23.63	24.13	30	PASS
				RB1#7	23.54	24.04	30	PASS
				RB1#14	23.56	24.06	30	PASS
				RB8#0	22.61	23.11	30	PASS
				RB8#4	22.56	23.06	30	PASS
				RB8#7	22.51	23.01	30	PASS
				RB15#0	22.6	23.1	30	PASS
		5	LCH	RB1#0	23.29	23.79	30	PASS
				RB1#13	23.54	24.04	30	PASS
				RB1#24	23.59	24.09	30	PASS
				RB12#0	22.48	22.98	30	PASS
				RB12#6	22.6	23.1	30	PASS
				RB12#13	22.49	22.99	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.48	22.98	30	PASS
			MCH	RB1#0	23.5	24	30	PASS
				RB1#13	23.27	23.77	30	PASS
				RB1#24	23.43	23.93	30	PASS
				RB12#0	22.54	23.04	30	PASS
				RB12#6	22.59	23.09	30	PASS
				RB12#13	22.42	22.92	30	PASS
				RB25#0	22.55	23.05	30	PASS
			HCH	RB1#0	23.58	24.08	30	PASS
				RB1#13	23.57	24.07	30	PASS
				RB1#24	23.51	24.01	30	PASS
				RB12#0	22.7	23.2	30	PASS
				RB12#6	22.66	23.16	30	PASS
				RB12#13	22.65	23.15	30	PASS
				RB25#0	22.71	23.21	30	PASS
		10	LCH	RB1#0	23.73	24.23	30	PASS
				RB1#25	23.77	24.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.61	24.11	30	PASS
				RB25#0	22.71	23.21	30	PASS
				RB25#13	22.66	23.16	30	PASS
				RB25#25	22.56	23.06	30	PASS
				RB50#0	22.73	23.23	30	PASS
			MCH	RB1#0	23.9	24.4	30	PASS
				RB1#25	23.68	24.18	30	PASS
				RB1#49	23.85	24.35	30	PASS
				RB25#0	22.66	23.16	30	PASS
				RB25#13	22.67	23.17	30	PASS
				RB25#25	22.71	23.21	30	PASS
				RB50#0	22.64	23.14	30	PASS
			HCH	RB1#0	23.76	24.26	30	PASS
				RB1#25	23.6	24.1	30	PASS
				RB1#49	23.57	24.07	30	PASS
				RB25#0	22.72	23.22	30	PASS
				RB25#13	22.69	23.19	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.66	23.16	30	PASS
				RB50#0	22.74	23.24	30	PASS
			LCH	RB1#0	23.72	24.22	30	PASS
				RB1#38	23.58	24.08	30	PASS
				RB1#74	23.6	24.1	30	PASS
				RB38#0	22.65	23.15	30	PASS
				RB38#19	22.67	23.17	30	PASS
				RB38#39	22.56	23.06	30	PASS
				RB75#0	22.68	23.18	30	PASS
		15	MCH	RB1#0	23.85	24.35	30	PASS
				RB1#38	23.61	24.11	30	PASS
				RB1#74	23.8	24.3	30	PASS
				RB38#0	22.59	23.09	30	PASS
				RB38#19	22.59	23.09	30	PASS
				RB38#39	22.53	23.03	30	PASS
				RB75#0	22.59	23.09	30	PASS
			HCH	RB1#0	23.75	24.25	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.62	24.12	30	PASS
				RB1#74	23.59	24.09	30	PASS
				RB38#0	22.64	23.14	30	PASS
				RB38#19	22.61	23.11	30	PASS
				RB38#39	22.62	23.12	30	PASS
				RB75#0	22.57	23.07	30	PASS
		20	LCH	RB1#0	23.44	23.94	30	PASS
				RB1#50	23.71	24.21	30	PASS
				RB1#99	23.53	24.03	30	PASS
				RB50#0	22.71	23.21	30	PASS
				RB50#25	22.55	23.05	30	PASS
				RB50#50	22.59	23.09	30	PASS
				RB100#0	22.68	23.18	30	PASS
			MCH	RB1#0	23.86	24.36	30	PASS
				RB1#50	23.79	24.29	30	PASS
				RB1#99	23.7	24.2	30	PASS
				RB50#0	22.63	23.13	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22.67	23.17	30	PASS
				RB50#50	22.57	23.07	30	PASS
				RB100#0	22.59	23.09	30	PASS
			HCH	RB1#0	23.43	23.93	30	PASS
				RB1#50	23.51	24.01	30	PASS
				RB1#99	23.27	23.77	30	PASS
				RB50#0	22.66	23.16	30	PASS
				RB50#25	22.66	23.16	30	PASS
				RB50#50	22.63	23.13	30	PASS
				RB100#0	22.64	23.14	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.67	23.17	30	PASS
				RB1#3	22.8	23.3	30	PASS
				RB1#5	22.85	23.35	30	PASS
				RB3#0	22.27	22.77	30	PASS
				RB3#2	22.31	22.81	30	PASS
				RB3#3	22.29	22.79	30	PASS
				RB6#0	21.39	21.89	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.55	23.05	30	PASS
				RB1#3	22.53	23.03	30	PASS
				RB1#5	22.3	22.8	30	PASS
				RB3#0	22.38	22.88	30	PASS
				RB3#2	22.49	22.99	30	PASS
				RB3#3	22.18	22.68	30	PASS
				RB6#0	21.34	21.84	30	PASS
			HCH	RB1#0	22.77	23.27	30	PASS
				RB1#3	22.72	23.22	30	PASS
				RB1#5	22.75	23.25	30	PASS
				RB3#0	22.23	22.73	30	PASS
				RB3#2	22.44	22.94	30	PASS
				RB3#3	22.62	23.12	30	PASS
				RB6#0	21.54	22.04	30	PASS
		3	LCH	RB1#0	22.62	23.12	30	PASS
				RB1#7	22.85	23.35	30	PASS
				RB1#14	22.62	23.12	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.35	21.85	30	PASS
				RB8#4	21.28	21.78	30	PASS
				RB8#7	21.37	21.87	30	PASS
				RB15#0	21.38	21.88	30	PASS
			MCH	RB1#0	22.87	23.37	30	PASS
				RB1#7	22.52	23.02	30	PASS
				RB1#14	22.53	23.03	30	PASS
				RB8#0	21.47	21.97	30	PASS
				RB8#4	21.48	21.98	30	PASS
				RB8#7	21.31	21.81	30	PASS
				RB15#0	21.72	22.22	30	PASS
			HCH	RB1#0	22.83	23.33	30	PASS
				RB1#7	22.83	23.33	30	PASS
				RB1#14	22.78	23.28	30	PASS
				RB8#0	21.65	22.15	30	PASS
				RB8#4	21.48	21.98	30	PASS
				RB8#7	21.7	22.2	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	21.67	22.17	30	PASS
			LCH	RB1#0	22.68	23.18	30	PASS
				RB1#13	22.48	22.98	30	PASS
				RB1#24	22.88	23.38	30	PASS
				RB12#0	21.58	22.08	30	PASS
				RB12#6	21.52	22.02	30	PASS
				RB12#13	21.48	21.98	30	PASS
				RB25#0	21.5	22	30	PASS
		5	MCH	RB1#0	22.79	23.29	30	PASS
				RB1#13	22.69	23.19	30	PASS
				RB1#24	22.79	23.29	30	PASS
				RB12#0	21.61	22.11	30	PASS
				RB12#6	21.49	21.99	30	PASS
				RB12#13	21.5	22	30	PASS
				RB25#0	21.56	22.06	30	PASS
			HCH	RB1#0	22.94	23.44	30	PASS
				RB1#13	22.96	23.46	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.95	23.45	30	PASS
				RB12#0	21.58	22.08	30	PASS
				RB12#6	21.48	21.98	30	PASS
				RB12#13	21.46	21.96	30	PASS
				RB25#0	21.69	22.19	30	PASS
		10	LCH	RB1#0	22.79	23.29	30	PASS
				RB1#25	22.74	23.24	30	PASS
				RB1#49	22.81	23.31	30	PASS
				RB25#0	21.48	21.98	30	PASS
				RB25#13	21.68	22.18	30	PASS
				RB25#25	21.46	21.96	30	PASS
				RB50#0	21.58	22.08	30	PASS
			MCH	RB1#0	22.97	23.47	30	PASS
				RB1#25	22.65	23.15	30	PASS
				RB1#49	22.65	23.15	30	PASS
				RB25#0	21.49	21.99	30	PASS
				RB25#13	21.49	21.99	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.53	22.03	30	PASS
				RB50#0	21.48	21.98	30	PASS
			HCH	RB1#0	22.85	23.35	30	PASS
				RB1#25	22.73	23.23	30	PASS
				RB1#49	22.88	23.38	30	PASS
				RB25#0	21.67	22.17	30	PASS
				RB25#13	21.64	22.14	30	PASS
				RB25#25	21.7	22.2	30	PASS
				RB50#0	21.75	22.25	30	PASS
		15	LCH	RB1#0	22.68	23.18	30	PASS
				RB1#38	22.45	22.95	30	PASS
				RB1#74	22.56	23.06	30	PASS
				RB38#0	21.72	22.22	30	PASS
				RB38#19	21.74	22.24	30	PASS
				RB38#39	21.61	22.11	30	PASS
				RB75#0	21.55	22.05	30	PASS
			MCH	RB1#0	22.92	23.42	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.83	23.33	30	PASS
				RB1#74	22.98	23.48	30	PASS
				RB38#0	21.65	22.15	30	PASS
				RB38#19	21.65	22.15	30	PASS
				RB38#39	21.6	22.1	30	PASS
				RB75#0	21.56	22.06	30	PASS
			HCH	RB1#0	22.52	23.02	30	PASS
				RB1#38	22.42	22.92	30	PASS
				RB1#74	22.5	23	30	PASS
				RB38#0	21.65	22.15	30	PASS
				RB38#19	21.61	22.11	30	PASS
				RB38#39	21.63	22.13	30	PASS
				RB75#0	21.61	22.11	30	PASS
		20	LCH	RB1#0	22.71	23.21	30	PASS
				RB1#50	22.86	23.36	30	PASS
				RB1#99	22.52	23.02	30	PASS
				RB50#0	21.5	22	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.49	21.99	30	PASS
				RB50#50	21.45	21.95	30	PASS
				RB100#0	21.58	22.08	30	PASS
			MCH	RB1#0	22.85	23.35	30	PASS
				RB1#50	22.65	23.15	30	PASS
				RB1#99	22.9	23.4	30	PASS
				RB50#0	21.62	22.12	30	PASS
				RB50#25	21.75	22.25	30	PASS
				RB50#50	21.74	22.24	30	PASS
				RB100#0	21.58	22.08	30	PASS
			HCH	RB1#0	22.84	23.34	30	PASS
				RB1#50	22.92	23.42	30	PASS
				RB1#99	22.78	23.28	30	PASS
				RB50#0	21.56	22.06	30	PASS
				RB50#25	21.74	22.24	30	PASS
				RB50#50	21.71	22.21	30	PASS
				RB100#0	21.64	22.14	30	PASS

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

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
BAND4	LTE/TM1	1.4	LCH	RB1#0	2.95	13	PASS
				RB1#3	2.82	13	PASS
				RB1#5	2.94	13	PASS
				RB3#0	3.44	13	PASS
				RB3#2	3.16	13	PASS
				RB3#3	3.46	13	PASS
				RB6#0	4.63	13	PASS
			MCH	RB1#0	3.27	13	PASS
				RB1#3	3.18	13	PASS
				RB1#5	3.32	13	PASS
				RB3#0	3.71	13	PASS
				RB3#2	3.54	13	PASS
				RB3#3	3.79	13	PASS
				RB6#0	4.82	13	PASS
			HCH	RB1#0	2.99	13	PASS
				RB1#3	2.96	13	PASS
				RB1#5	3.12	13	PASS
				RB3#0	3.4	13	PASS
				RB3#2	3.17	13	PASS
				RB3#3	3.43	13	PASS
				RB6#0	4.51	13	PASS
		3	LCH	RB1#0	2.9	13	PASS
				RB1#7	2.87	13	PASS
				RB1#14	2.93	13	PASS
				RB8#0	3.91	13	PASS
				RB8#4	3.81	13	PASS
				RB8#7	4	13	PASS
				RB15#0	4.53	13	PASS
			MCH	RB1#0	3.39	13	PASS
				RB1#7	3.26	13	PASS
				RB1#14	3.21	13	PASS
				RB8#0	4.25	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	4.16	13	PASS
				RB8#7	4.36	13	PASS
				RB15#0	5.12	13	PASS
			HCH	RB1#0	2.92	13	PASS
				RB1#7	2.91	13	PASS
				RB1#14	3.02	13	PASS
				RB8#0	3.95	13	PASS
				RB8#4	3.82	13	PASS
				RB8#7	4.04	13	PASS
				RB15#0	4.86	13	PASS
			LCH	RB1#0	3.09	13	PASS
				RB1#13	3.02	13	PASS
				RB1#24	3.14	13	PASS
				RB12#0	3.86	13	PASS
				RB12#6	3.64	13	PASS
				RB12#13	3.93	13	PASS
				RB25#0	4.79	13	PASS
			MCH	RB1#0	3.4	13	PASS
				RB1#13	3.33	13	PASS
				RB1#24	3.38	13	PASS
		5		RB12#0	4.18	13	PASS
				RB12#6	4.04	13	PASS
				RB12#13	4.15	13	PASS
				RB25#0	4.91	13	PASS
			HCH	RB1#0	2.88	13	PASS
				RB1#13	3	13	PASS
				RB1#24	3	13	PASS
				RB12#0	3.86	13	PASS
				RB12#6	3.65	13	PASS
				RB12#13	3.92	13	PASS
				RB25#0	4.63	13	PASS
			LCH	RB1#0	2.83	13	PASS
				RB1#25	2.97	13	PASS
				RB1#49	3.33	13	PASS
		10		RB25#0	3.83	13	PASS
				RB25#13	3.85	13	PASS
				RB25#25	4.19	13	PASS
				RB50#0	5.14	13	PASS
			MCH	RB1#0	3.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	3.23	13	PASS
				RB1#49	3	13	PASS
				RB25#0	4.15	13	PASS
				RB25#13	4.02	13	PASS
				RB25#25	4.1	13	PASS
				RB50#0	4.89	13	PASS
			HCH	RB1#0	2.86	13	PASS
				RB1#25	2.9	13	PASS
				RB1#49	3.03	13	PASS
				RB25#0	3.78	13	PASS
				RB25#13	3.65	13	PASS
				RB25#25	3.81	13	PASS
				RB50#0	4.43	13	PASS
			LCH	RB1#0	2.86	13	PASS
				RB1#38	3.17	13	PASS
				RB1#74	3.35	13	PASS
				RB38#0	3.95	13	PASS
				RB38#19	3.98	13	PASS
				RB38#39	4.34	13	PASS
				RB75#0	5.09	13	PASS
		15	MCH	RB1#0	3.38	13	PASS
				RB1#38	3.32	13	PASS
				RB1#74	3.05	13	PASS
				RB38#0	4.28	13	PASS
				RB38#19	4.03	13	PASS
				RB38#39	4.14	13	PASS
				RB75#0	5.14	13	PASS
			HCH	RB1#0	2.93	13	PASS
				RB1#38	2.9	13	PASS
				RB1#74	2.95	13	PASS
				RB38#0	3.86	13	PASS
				RB38#19	3.68	13	PASS
				RB38#39	3.86	13	PASS
				RB75#0	4.84	13	PASS
		20	LCH	RB1#0	3.09	13	PASS
				RB1#50	3.35	13	PASS
				RB1#99	3.58	13	PASS
				RB50#0	3.98	13	PASS
				RB50#25	4.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	4.31	13	PASS
				RB100#0	4.62	13	PASS
			MCH	RB1#0	3.46	13	PASS
				RB1#50	3.38	13	PASS
				RB1#99	3.13	13	PASS
				RB50#0	4.26	13	PASS
				RB50#25	4.14	13	PASS
				RB50#50	4.12	13	PASS
				RB100#0	4.96	13	PASS
			HCH	RB1#0	3.28	13	PASS
				RB1#50	2.84	13	PASS
				RB1#99	3.18	13	PASS
				RB50#0	3.86	13	PASS
				RB50#25	3.72	13	PASS
				RB50#50	3.85	13	PASS
				RB100#0	4.8	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	3.69	13	PASS
				RB1#3	3.56	13	PASS
				RB1#5	3.71	13	PASS
				RB3#0	3.93	13	PASS
				RB3#2	3.86	13	PASS
				RB3#3	4.05	13	PASS
				RB6#0	4.99	13	PASS
			MCH	RB1#0	3.98	13	PASS
				RB1#3	3.91	13	PASS
				RB1#5	3.93	13	PASS
				RB3#0	4.4	13	PASS
				RB3#2	4.37	13	PASS
				RB3#3	4.7	13	PASS
				RB6#0	5.5	13	PASS
			HCH	RB1#0	4.1	13	PASS
				RB1#3	4.01	13	PASS
				RB1#5	4.03	13	PASS
				RB3#0	3.88	13	PASS
				RB3#2	3.72	13	PASS
				RB3#3	3.97	13	PASS
				RB6#0	5.16	13	PASS
		3	LCH	RB1#0	3.8	13	PASS
				RB1#7	3.67	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	3.87	13	PASS
				RB8#0	4.85	13	PASS
				RB8#4	4.82	13	PASS
				RB8#7	4.86	13	PASS
				RB15#0	5.55	13	PASS
			MCH	RB1#0	4.21	13	PASS
				RB1#7	4	13	PASS
				RB1#14	4.17	13	PASS
				RB8#0	5.15	13	PASS
				RB8#4	5.12	13	PASS
				RB8#7	5.11	13	PASS
				RB15#0	5.87	13	PASS
			HCH	RB1#0	3.77	13	PASS
				RB1#7	3.7	13	PASS
				RB1#14	3.84	13	PASS
				RB8#0	4.73	13	PASS
				RB8#4	4.66	13	PASS
				RB8#7	4.78	13	PASS
				RB15#0	5.43	13	PASS
		5	LCH	RB1#0	3.94	13	PASS
				RB1#13	4.12	13	PASS
				RB1#24	4.12	13	PASS
				RB12#0	4.82	13	PASS
				RB12#6	4.61	13	PASS
				RB12#13	4.77	13	PASS
				RB25#0	5.57	13	PASS
			MCH	RB1#0	4.39	13	PASS
				RB1#13	4.49	13	PASS
				RB1#24	4.38	13	PASS
				RB12#0	5.13	13	PASS
				RB12#6	5.03	13	PASS
				RB12#13	5.02	13	PASS
				RB25#0	5.78	13	PASS
			HCH	RB1#0	3.13	13	PASS
				RB1#13	3.37	13	PASS
				RB1#24	3.36	13	PASS
				RB12#0	4.68	13	PASS
				RB12#6	4.53	13	PASS
				RB12#13	4.72	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.64	13	PASS
		10	LCH	RB1#0	3.87	13	PASS
				RB1#25	3.65	13	PASS
				RB1#49	4.02	13	PASS
				RB25#0	4.86	13	PASS
				RB25#13	4.87	13	PASS
				RB25#25	5.08	13	PASS
				RB50#0	5.6	13	PASS
			MCH	RB1#0	4.54	13	PASS
				RB1#25	4.04	13	PASS
				RB1#49	3.77	13	PASS
				RB25#0	5.27	13	PASS
				RB25#13	5.05	13	PASS
				RB25#25	5.1	13	PASS
				RB50#0	5.8	13	PASS
			HCH	RB1#0	3.82	13	PASS
				RB1#25	3.88	13	PASS
				RB1#49	4.04	13	PASS
				RB25#0	4.54	13	PASS
				RB25#13	4.49	13	PASS
				RB25#25	4.67	13	PASS
				RB50#0	5.44	13	PASS
		15	LCH	RB1#0	3.67	13	PASS
				RB1#38	4.03	13	PASS
				RB1#74	4.19	13	PASS
				RB38#0	4.9	13	PASS
				RB38#19	4.95	13	PASS
				RB38#39	5.24	13	PASS
				RB75#0	5.91	13	PASS
			MCH	RB1#0	4.46	13	PASS
				RB1#38	4.43	13	PASS
				RB1#74	4.07	13	PASS
				RB38#0	5.35	13	PASS
				RB38#19	5.16	13	PASS
				RB38#39	5.21	13	PASS
				RB75#0	5.87	13	PASS
			HCH	RB1#0	3.46	13	PASS
				RB1#38	3.39	13	PASS
				RB1#74	3.5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	4.93	13	PASS
				RB38#19	4.68	13	PASS
				RB38#39	4.83	13	PASS
				RB75#0	5.56	13	PASS
			LCH	RB1#0	3.74	13	PASS
				RB1#50	3.99	13	PASS
				RB1#99	4.19	13	PASS
				RB50#0	4.9	13	PASS
				RB50#25	4.97	13	PASS
				RB50#50	5.29	13	PASS
				RB100#0	5.75	13	PASS
		20	MCH	RB1#0	3.98	13	PASS
				RB1#50	3.86	13	PASS
				RB1#99	3.64	13	PASS
				RB50#0	5.25	13	PASS
				RB50#25	5.01	13	PASS
				RB50#50	5.02	13	PASS
				RB100#0	5.85	13	PASS
			HCH	RB1#0	4.04	13	PASS
				RB1#50	3.71	13	PASS
				RB1#99	3.94	13	PASS
				RB50#0	4.98	13	PASS
				RB50#25	4.81	13	PASS
				RB50#50	4.9	13	PASS
				RB100#0	5.46	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = BAND4

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.2.1.1.1 Test Channel = MCH

3.1.2.1.1.1.1 Test RB = RB6#0
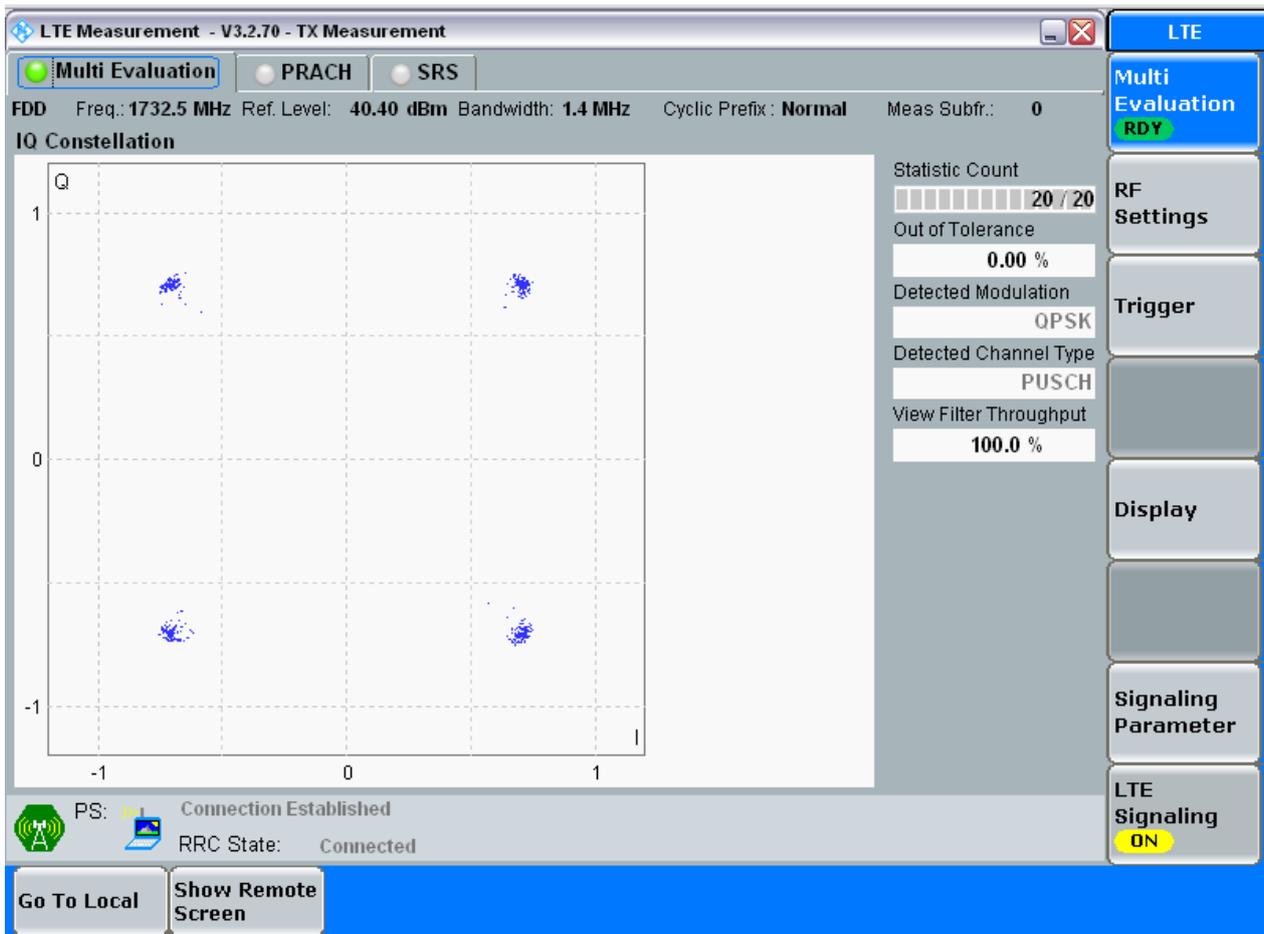
3.1.2.1.2 Test Bandwidth = 3

3.1.2.1.2.1 Test Channel = MCH

3.1.2.1.2.1.1 Test RB = RB15#0
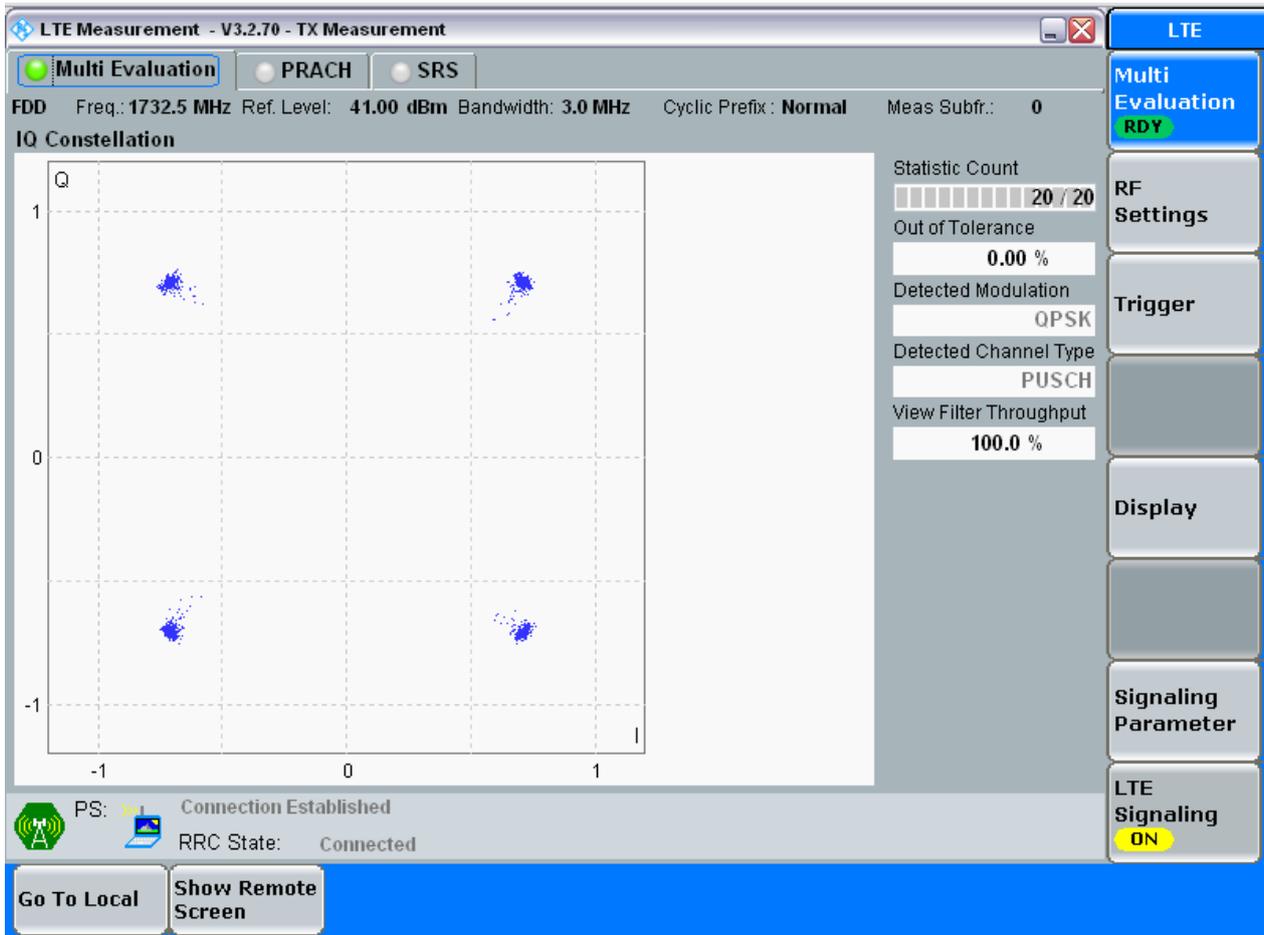
3.1.2.1.3 Test Bandwidth = 5

3.1.2.1.3.1 Test Channel = MCH

3.1.2.1.3.1.1 Test RB = RB25#0
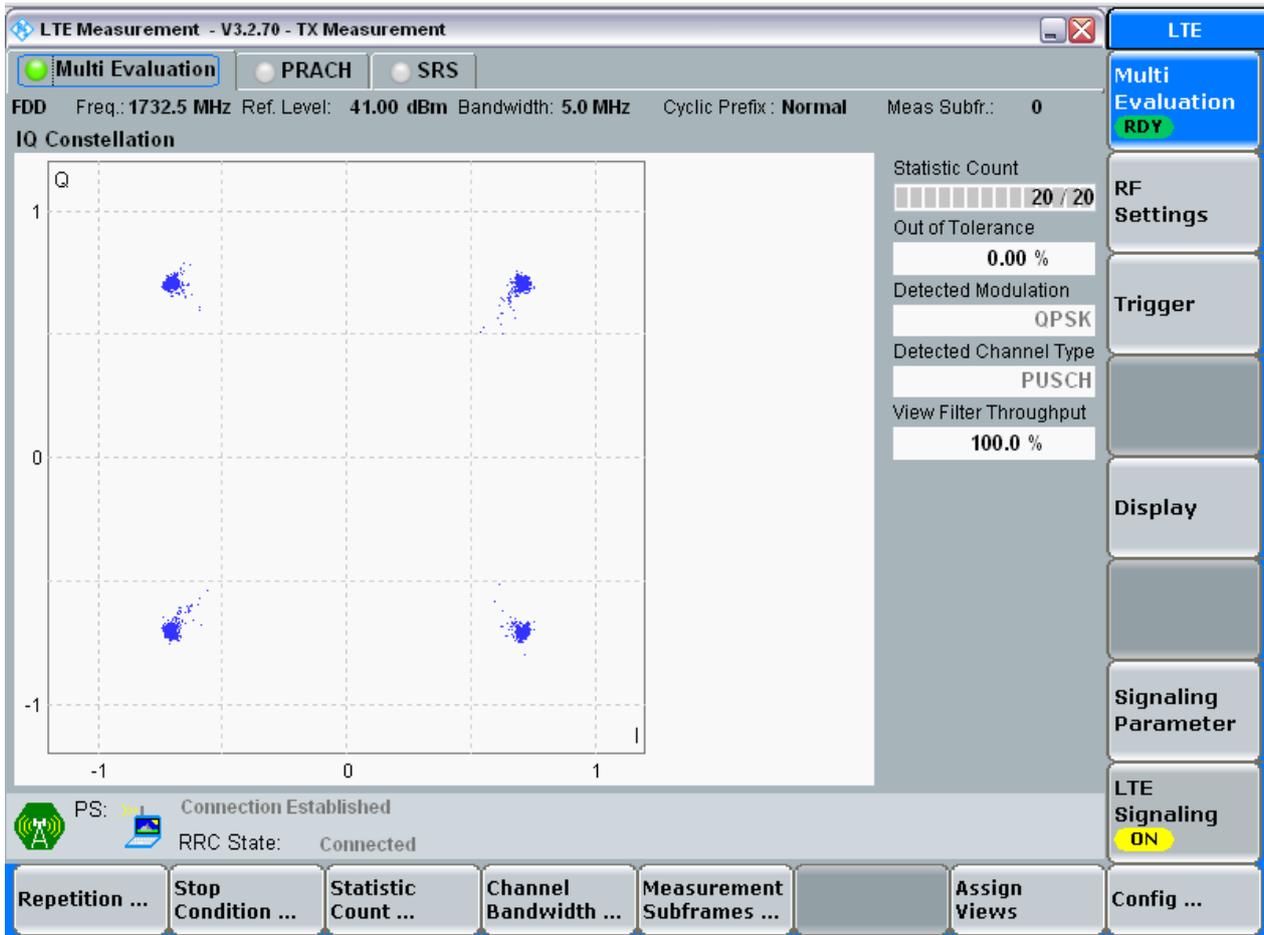
3.1.2.1.4 Test Bandwidth = 10

3.1.2.1.4.1 Test Channel = MCH

3.1.2.1.4.1.1 Test RB = RB50#0
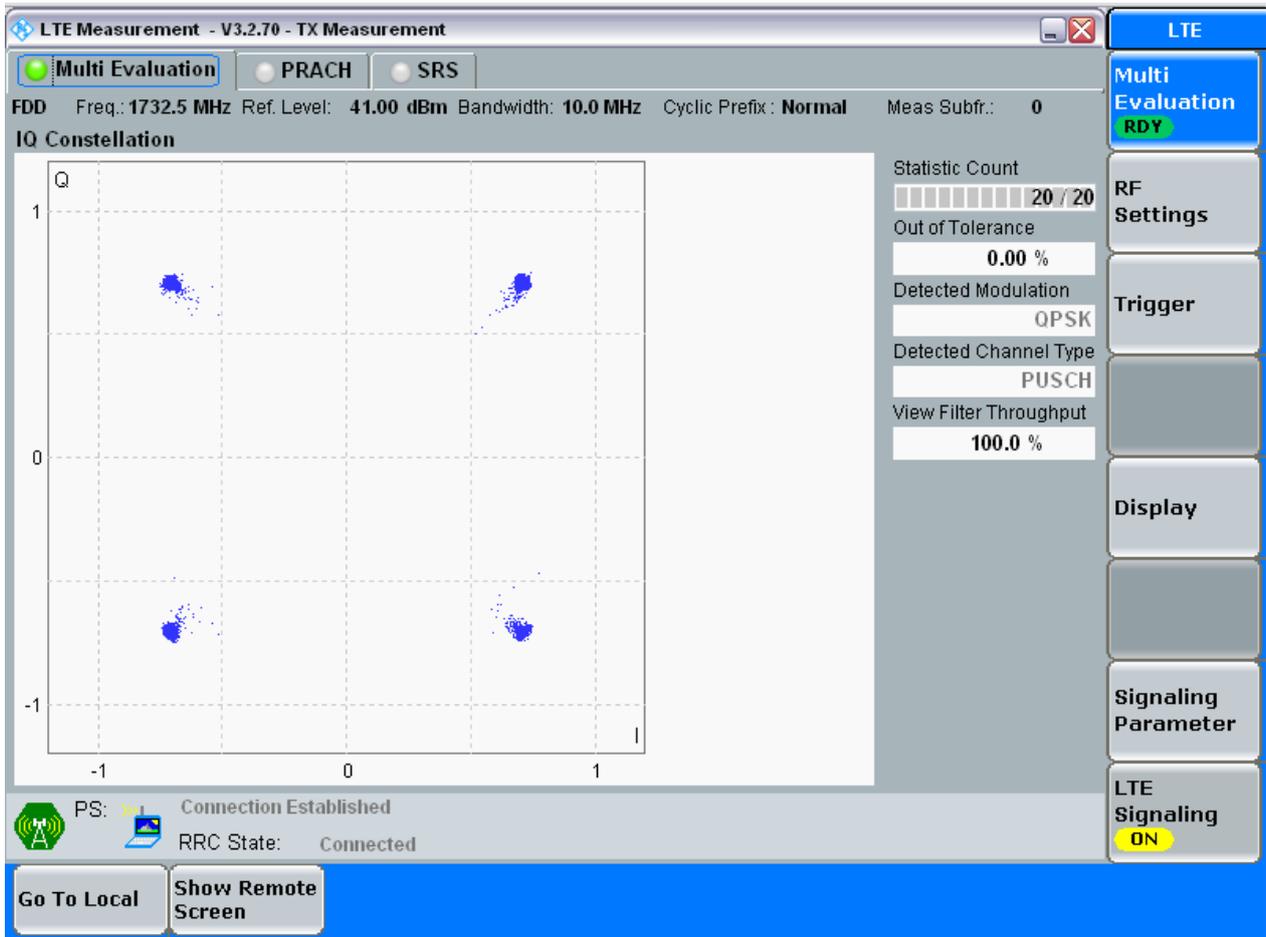
3.1.2.1.5 Test Bandwidth = 15

3.1.2.1.5.1 Test Channel = MCH

3.1.2.1.5.1.1 Test RB = RB75#0
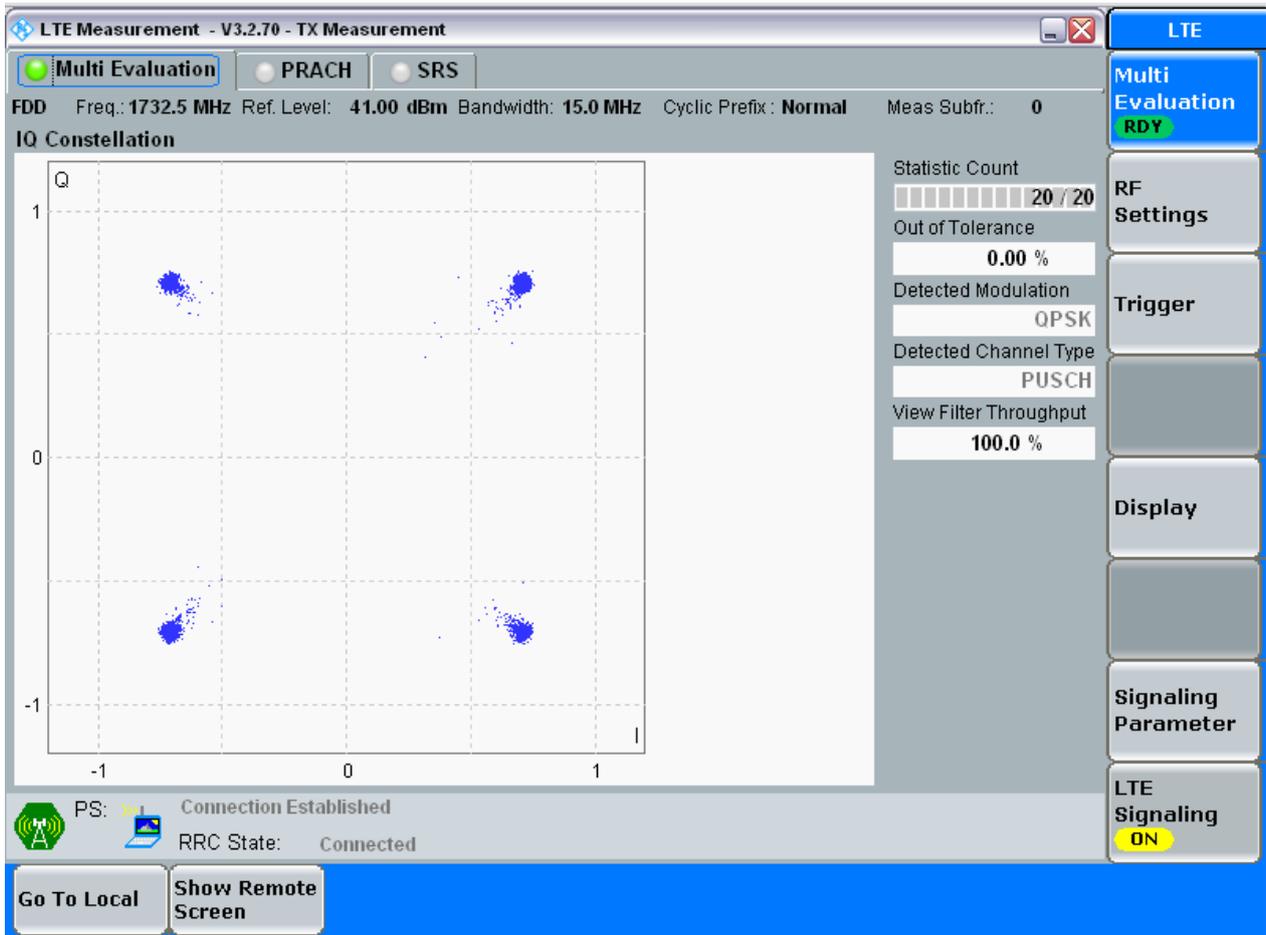
3.1.2.1.6 Test Bandwidth = 20

3.1.2.1.6.1 Test Channel = MCH

3.1.2.1.6.1.1 Test RB = RB100#0
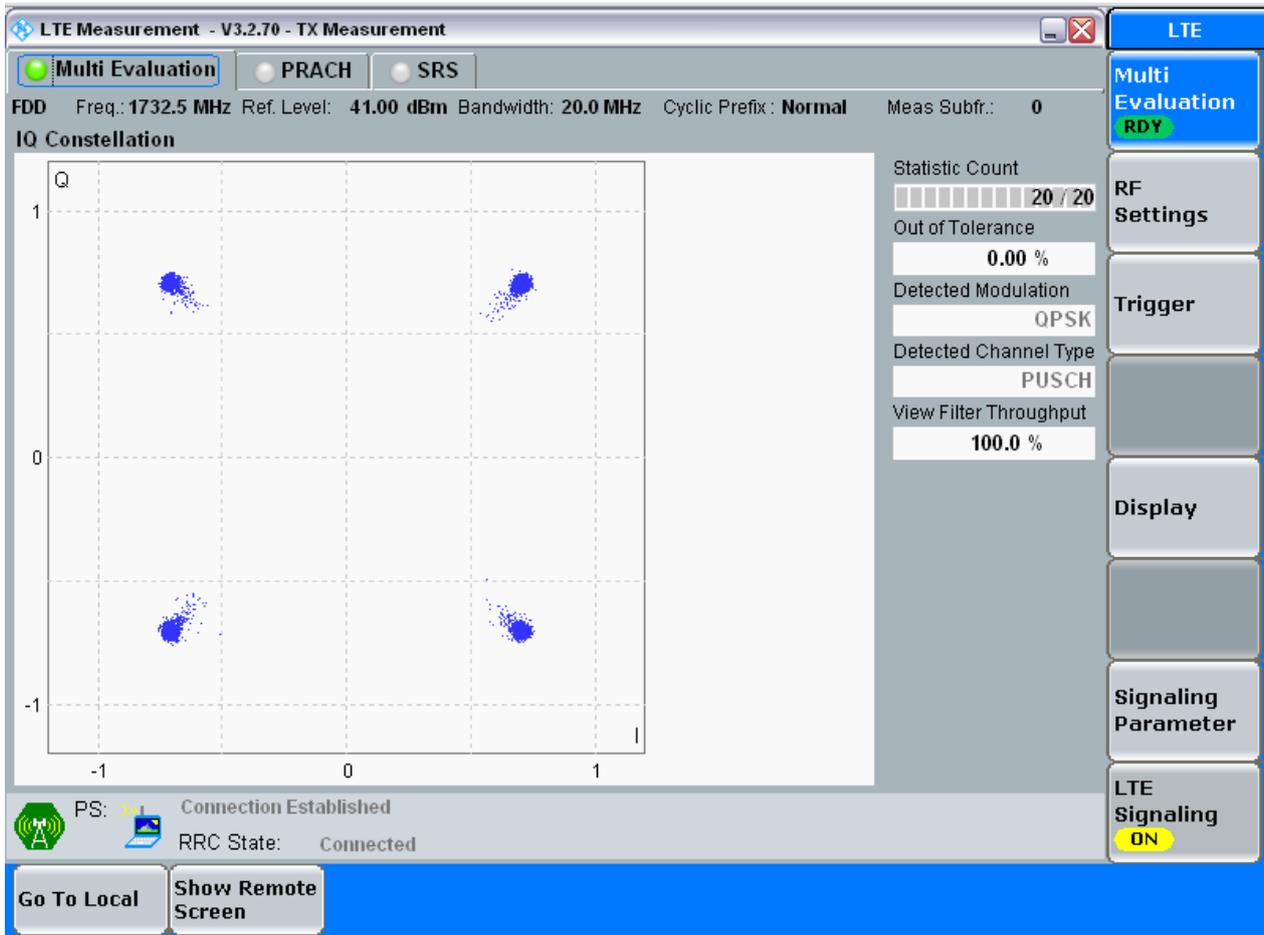
3.1.2.2 Test Mode = LTE/TM2

3.1.2.2.1 Test Bandwidth = 1.4

3.1.2.2.1.1 Test Channel = MCH

3.1.2.2.1.1.1 Test RB = RB6#0
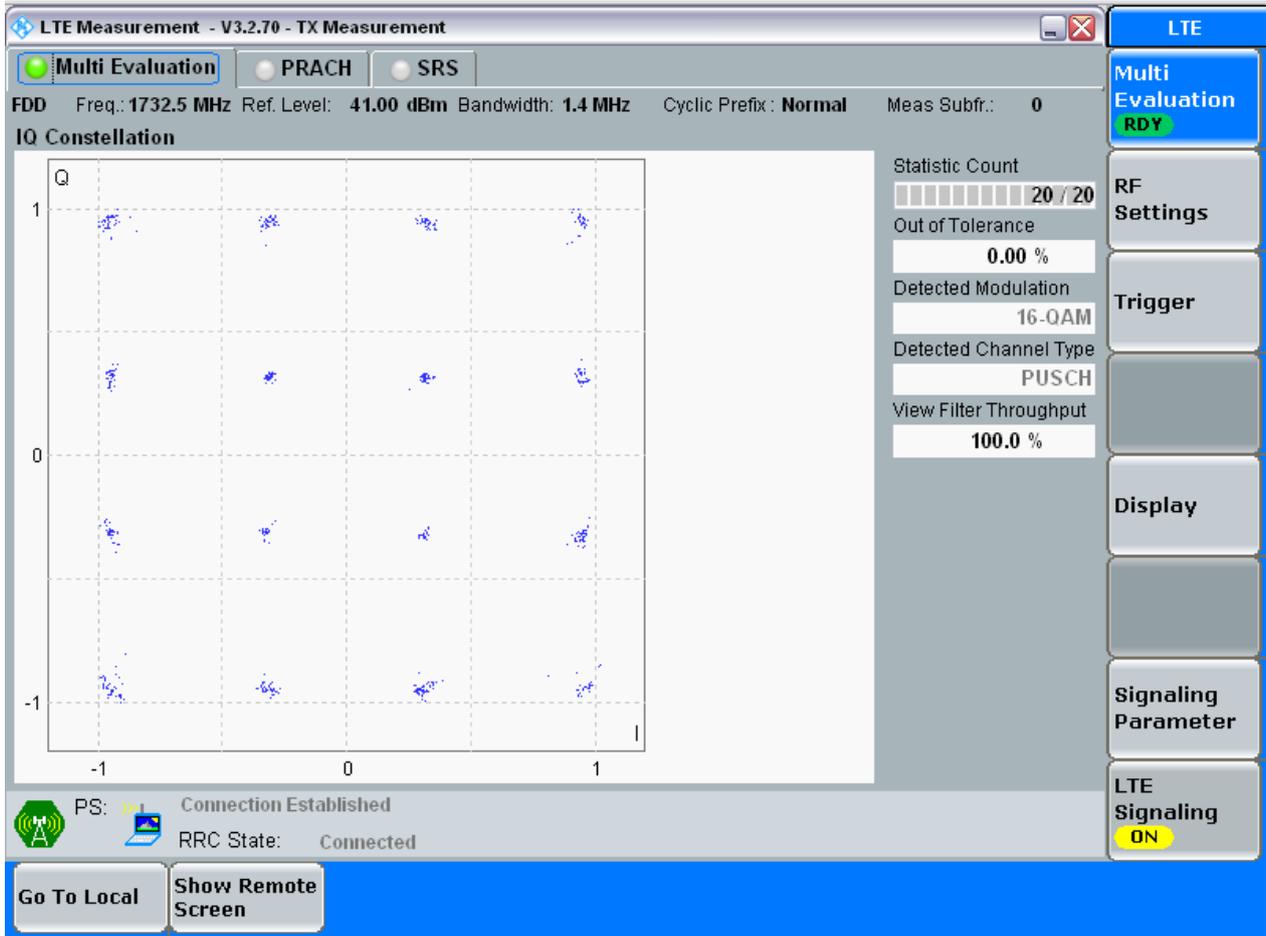
3.1.2.2.2 Test Bandwidth = 3

3.1.2.2.2.1 Test Channel = MCH

3.1.2.2.2.1.1 Test RB = RB15#0
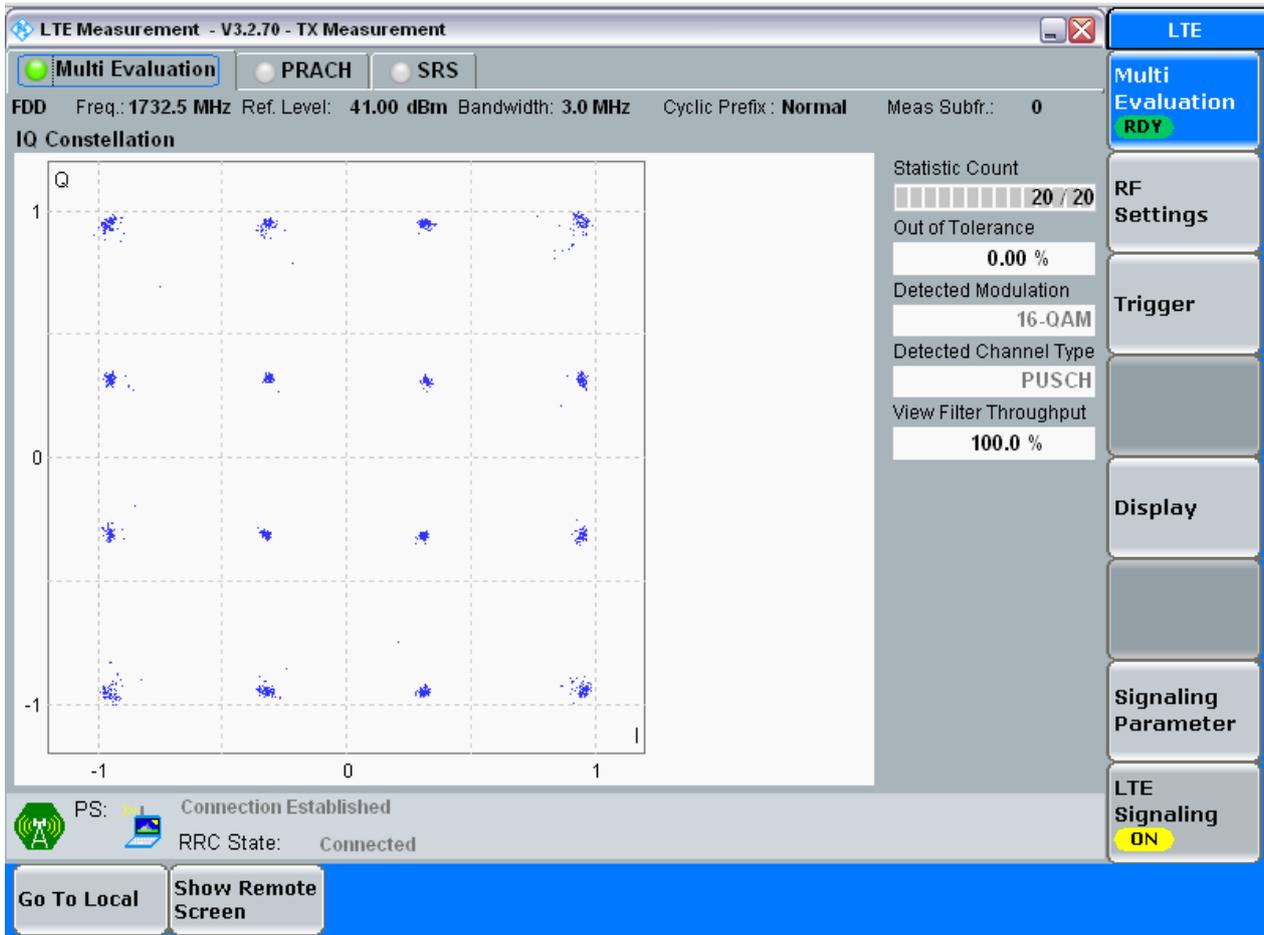
3.1.2.2.3 Test Bandwidth = 5

3.1.2.2.3.1 Test Channel = MCH

3.1.2.2.3.1.1 Test RB = RB25#0
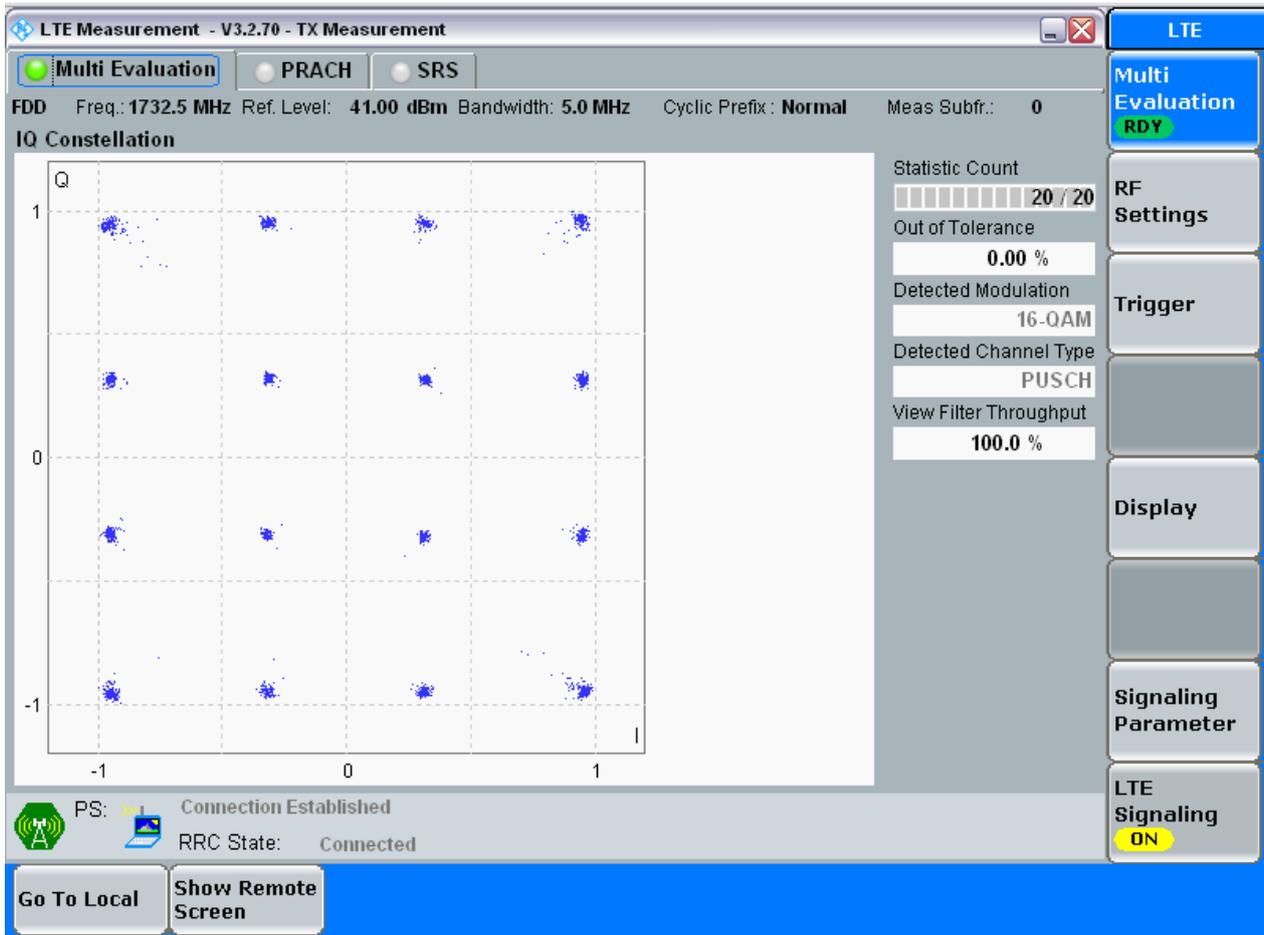
3.1.2.2.4 Test Bandwidth = 10

3.1.2.2.4.1 Test Channel = MCH

3.1.2.2.4.1.1 Test RB = RB50#0
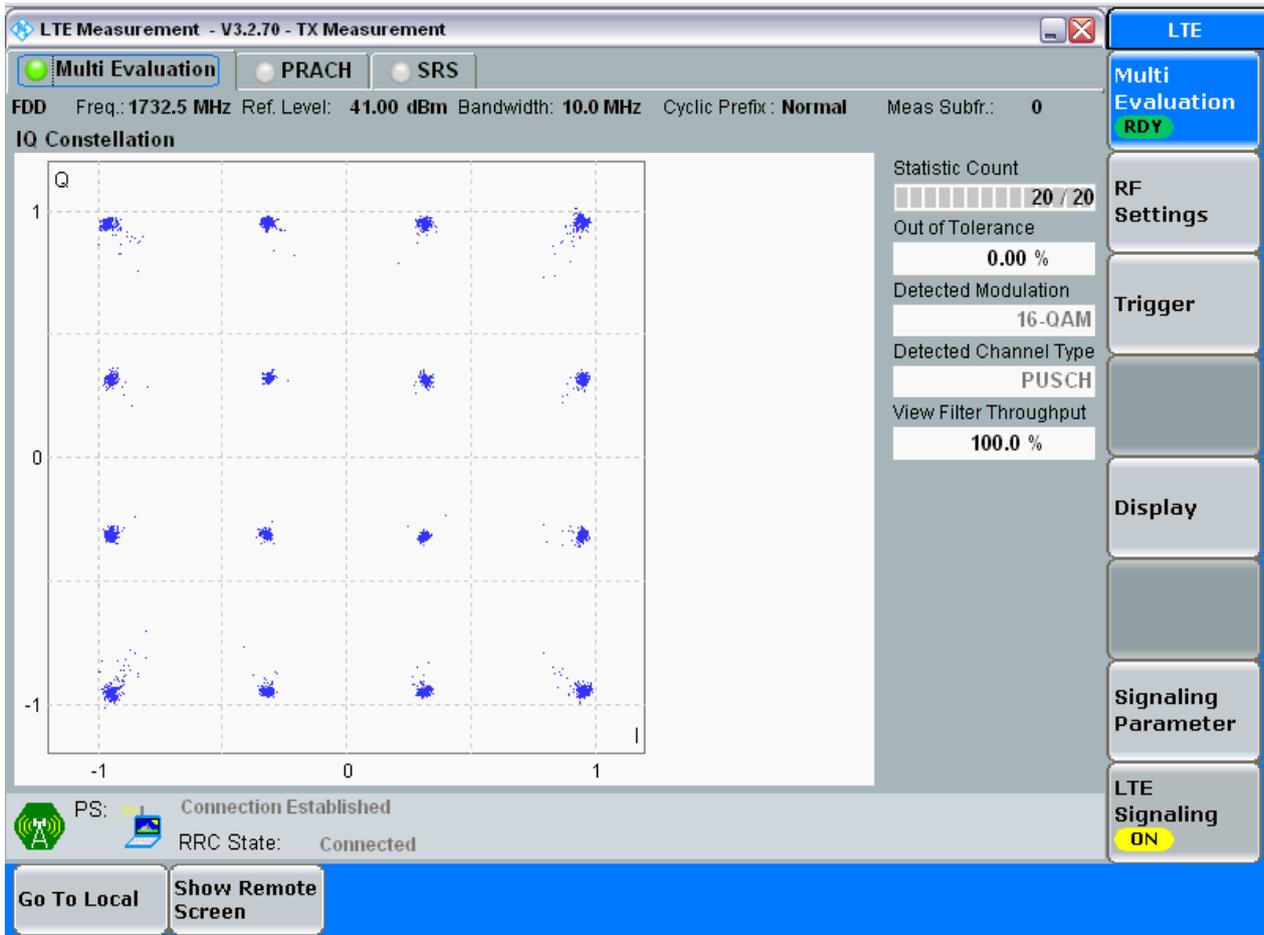
3.1.2.2.5 Test Bandwidth = 15

3.1.2.2.5.1 Test Channel = MCH

3.1.2.2.5.1.1 Test RB = RB75#0
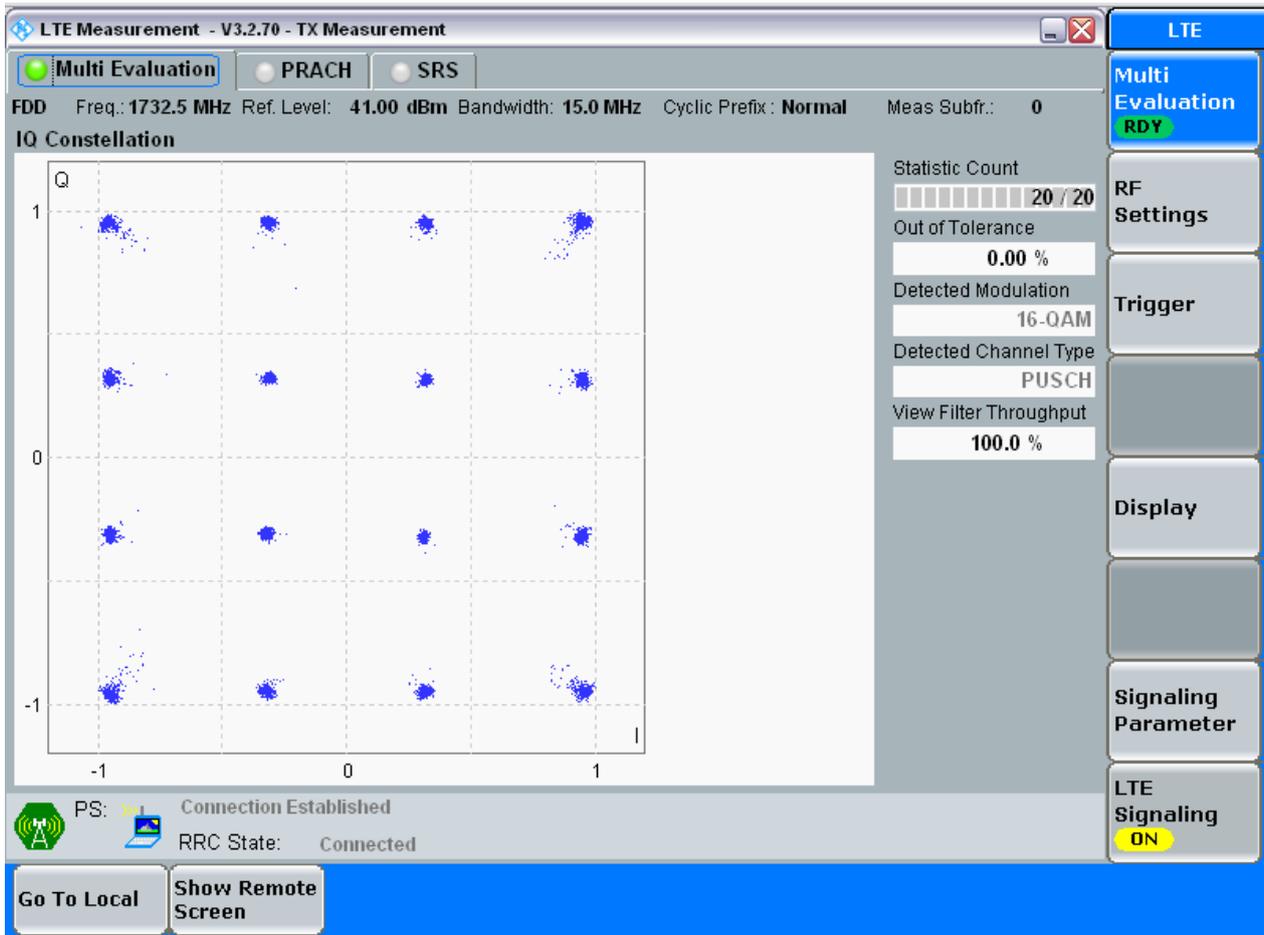
3.1.2.2.6 Test Bandwidth = 20

3.1.2.2.6.1 Test Channel = MCH

3.1.2.2.6.1.1 Test RB = RB100#0
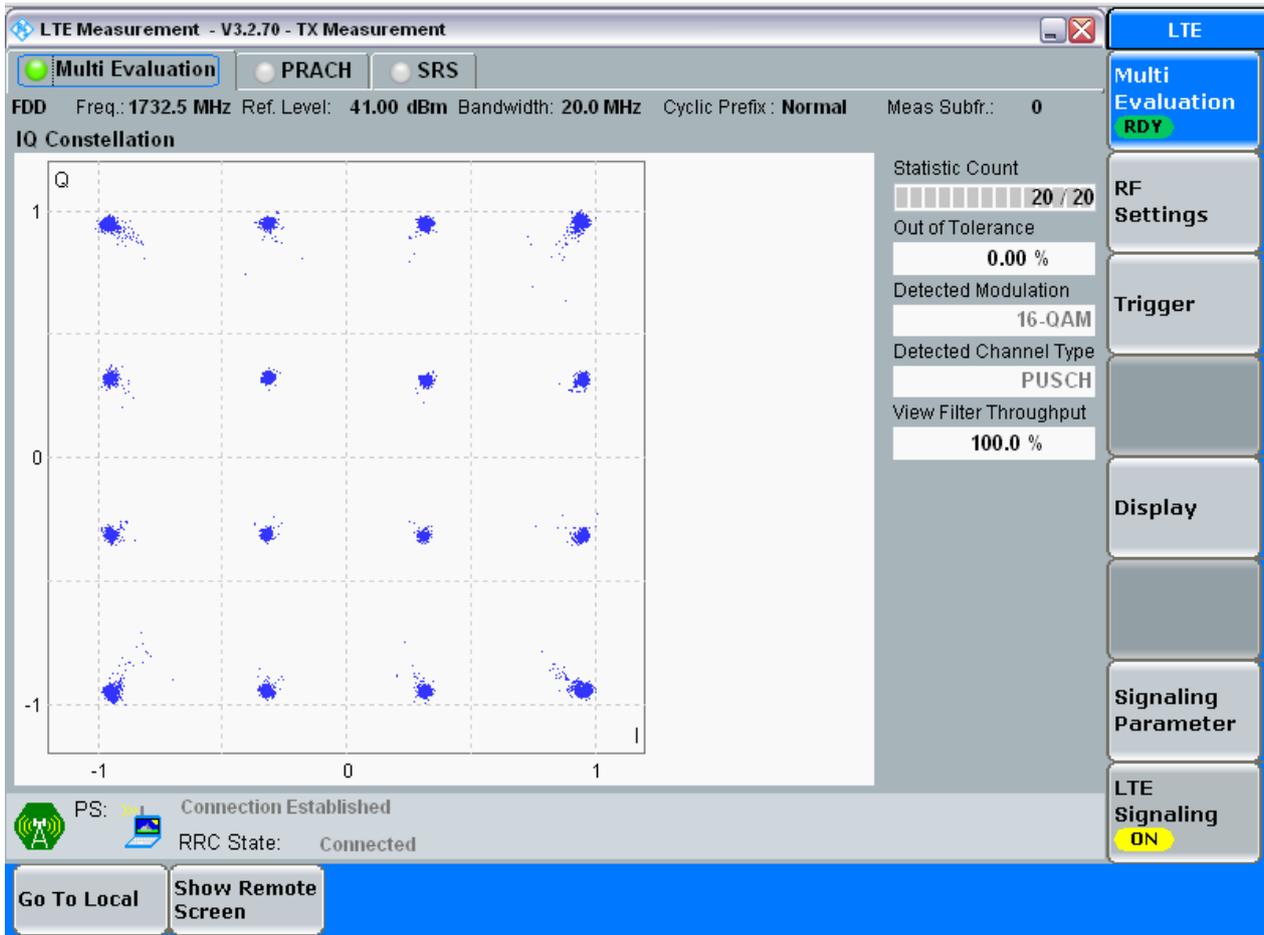
4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.10	1.33	Pass
			MCH	RB6#0	1.09	1.31	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.01	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.72	3.02	Pass
		5	LCH	RB25#0	4.53	5.03	Pass
			MCH	RB25#0	4.52	5.01	Pass
			HCH	RB25#0	4.52	5.00	Pass
		10	LCH	RB50#0	9.02	10.02	Pass
			MCH	RB50#0	9.02	10.03	Pass
			HCH	RB50#0	9.00	10.03	Pass
		15	LCH	RB75#0	13.50	14.98	Pass
			MCH	RB75#0	13.50	14.92	Pass
			HCH	RB75#0	13.49	14.90	Pass
		20	LCH	RB100#0	17.99	19.59	Pass
			MCH	RB100#0	17.96	19.53	Pass
			HCH	RB100#0	17.95	19.67	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.32	Pass
			MCH	RB6#0	1.10	1.30	Pass
			HCH	RB6#0	1.10	1.34	Pass
		3	LCH	RB15#0	2.71	3.03	Pass
			MCH	RB15#0	2.71	3.02	Pass
			HCH	RB15#0	2.71	3.02	Pass
		5	LCH	RB25#0	4.54	5.02	Pass
			MCH	RB25#0	4.53	5.02	Pass
			HCH	RB25#0	4.53	5.05	Pass
		10	LCH	RB50#0	9.01	9.99	Pass
			MCH	RB50#0	9.01	10.00	Pass
			HCH	RB50#0	9.03	9.96	Pass
		15	LCH	RB75#0	13.49	14.83	Pass
			MCH	RB75#0	13.49	14.82	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB75#0	13.47	14.79	Pass
		20	LCH	RB100#0	17.98	19.55	Pass
			MCH	RB100#0	17.98	19.59	Pass
			HCH	RB100#0	17.93	19.63	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0
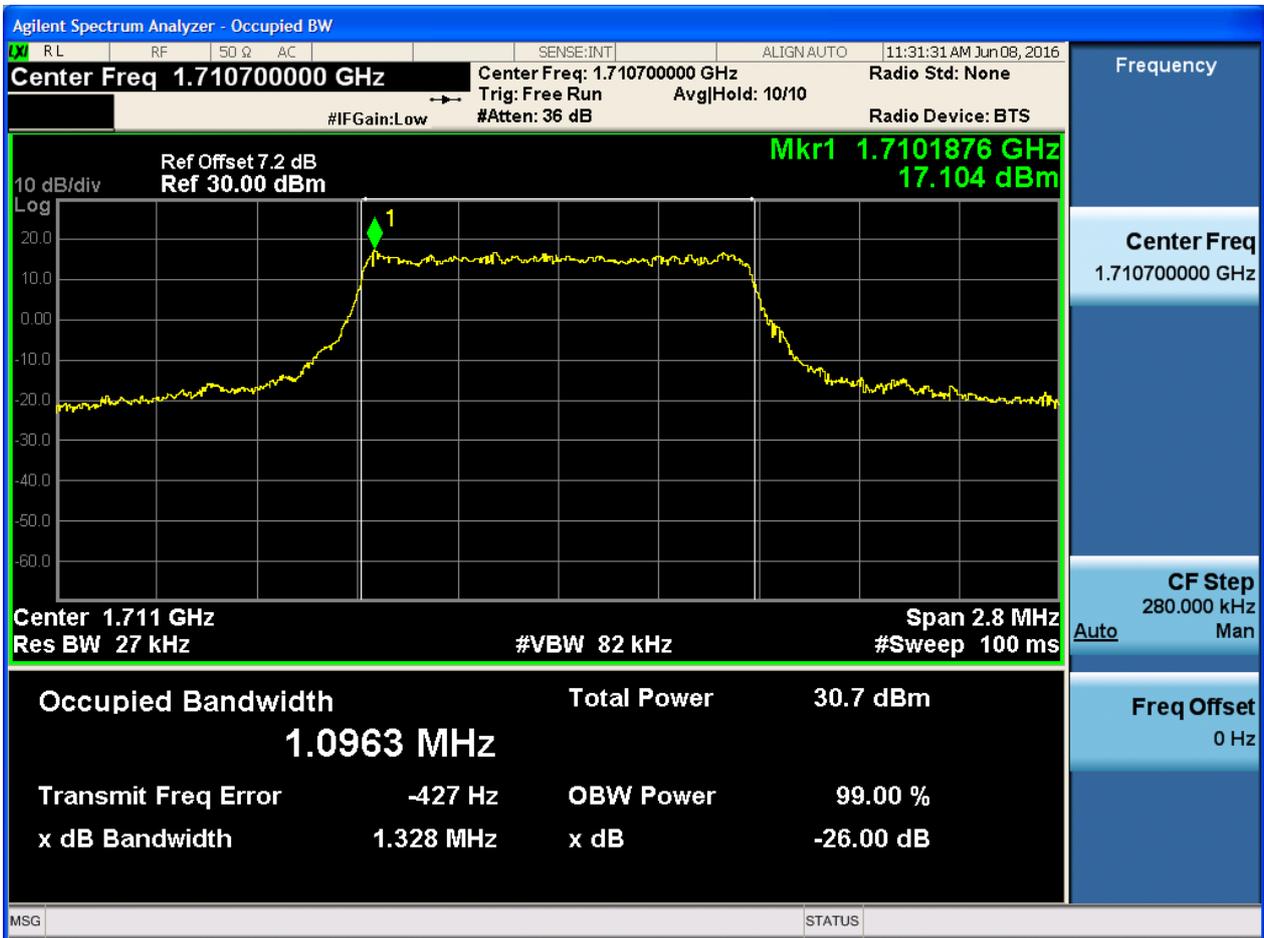
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0
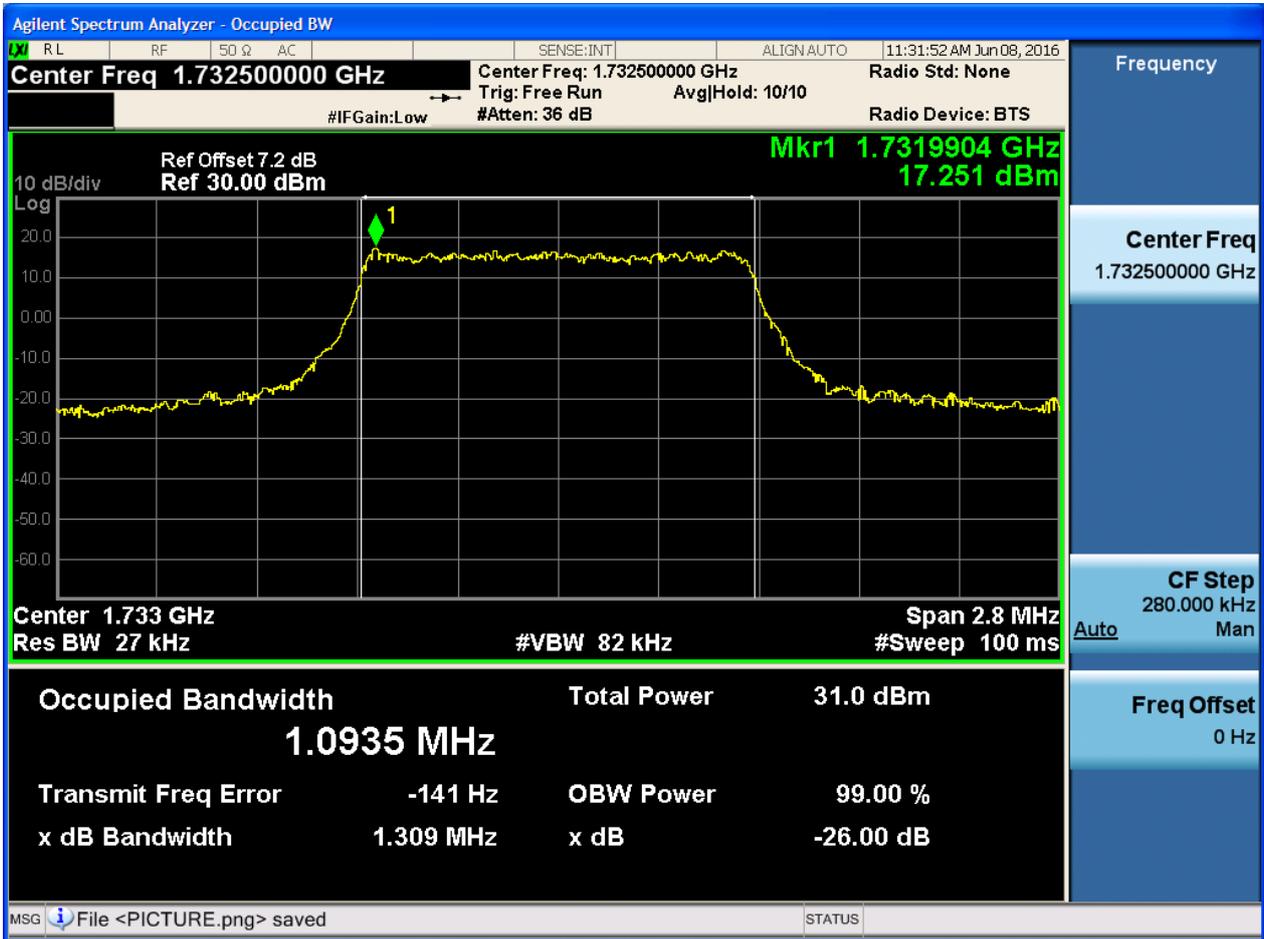
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0

4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0
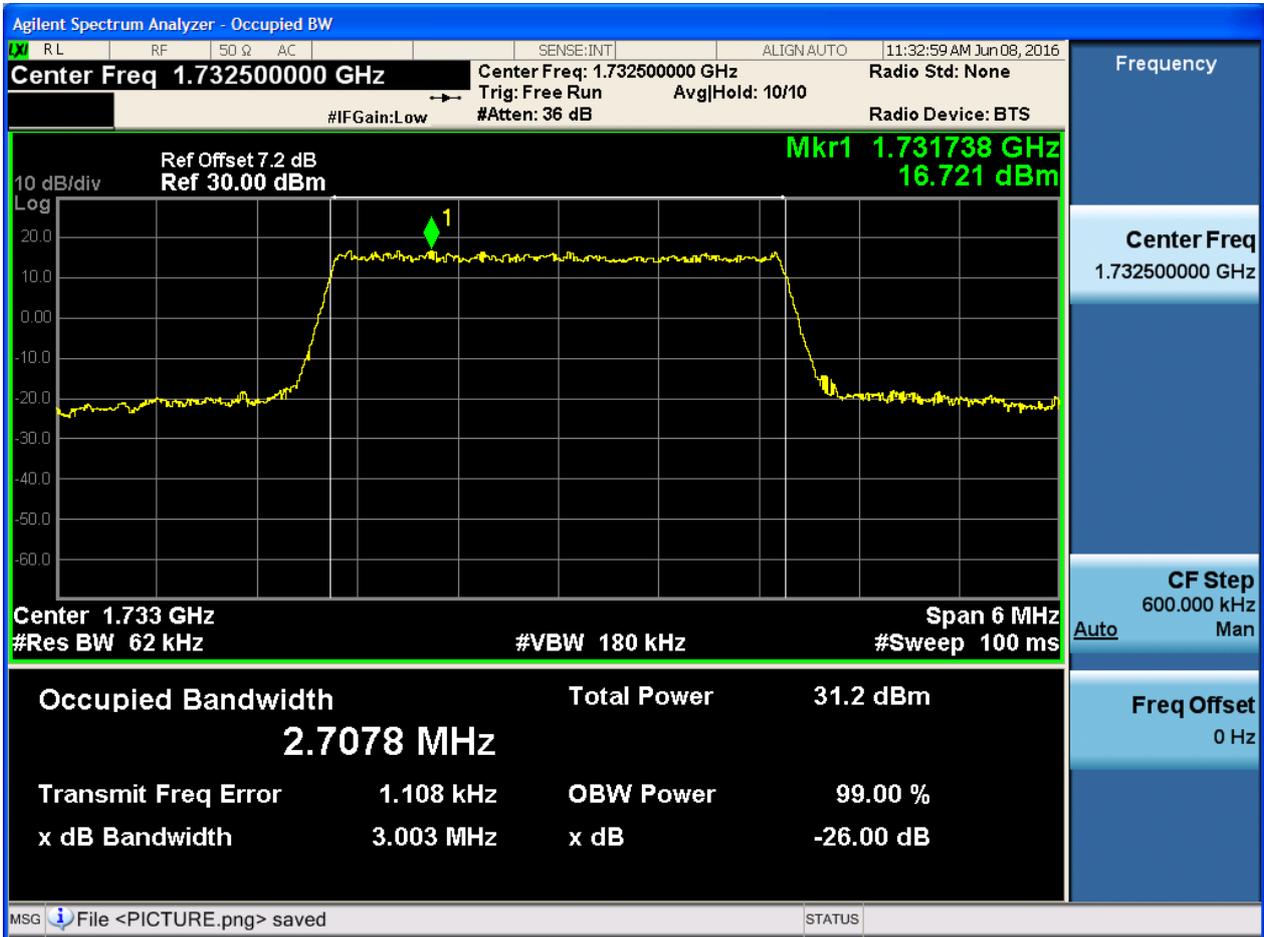
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0
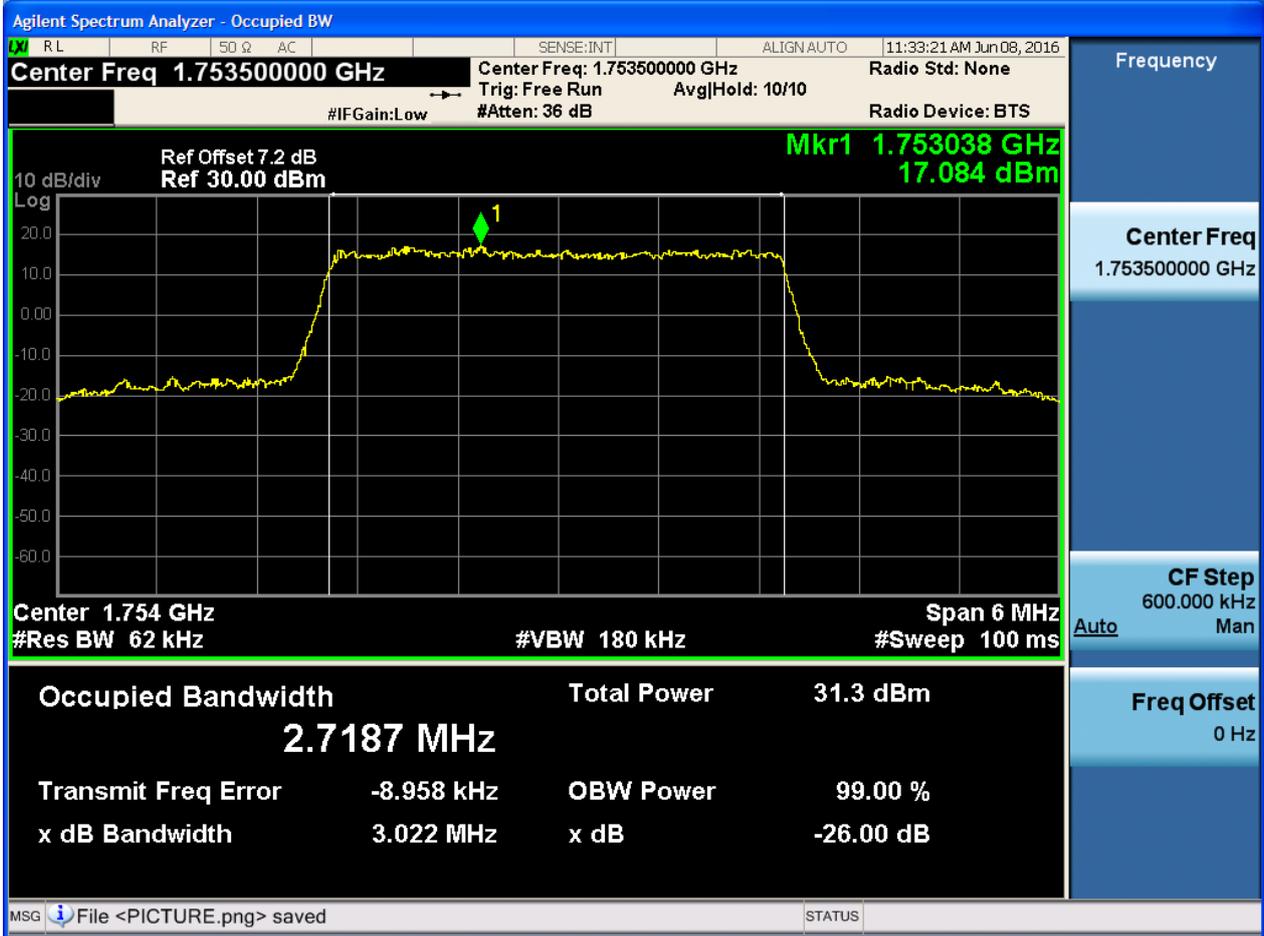
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0

4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0
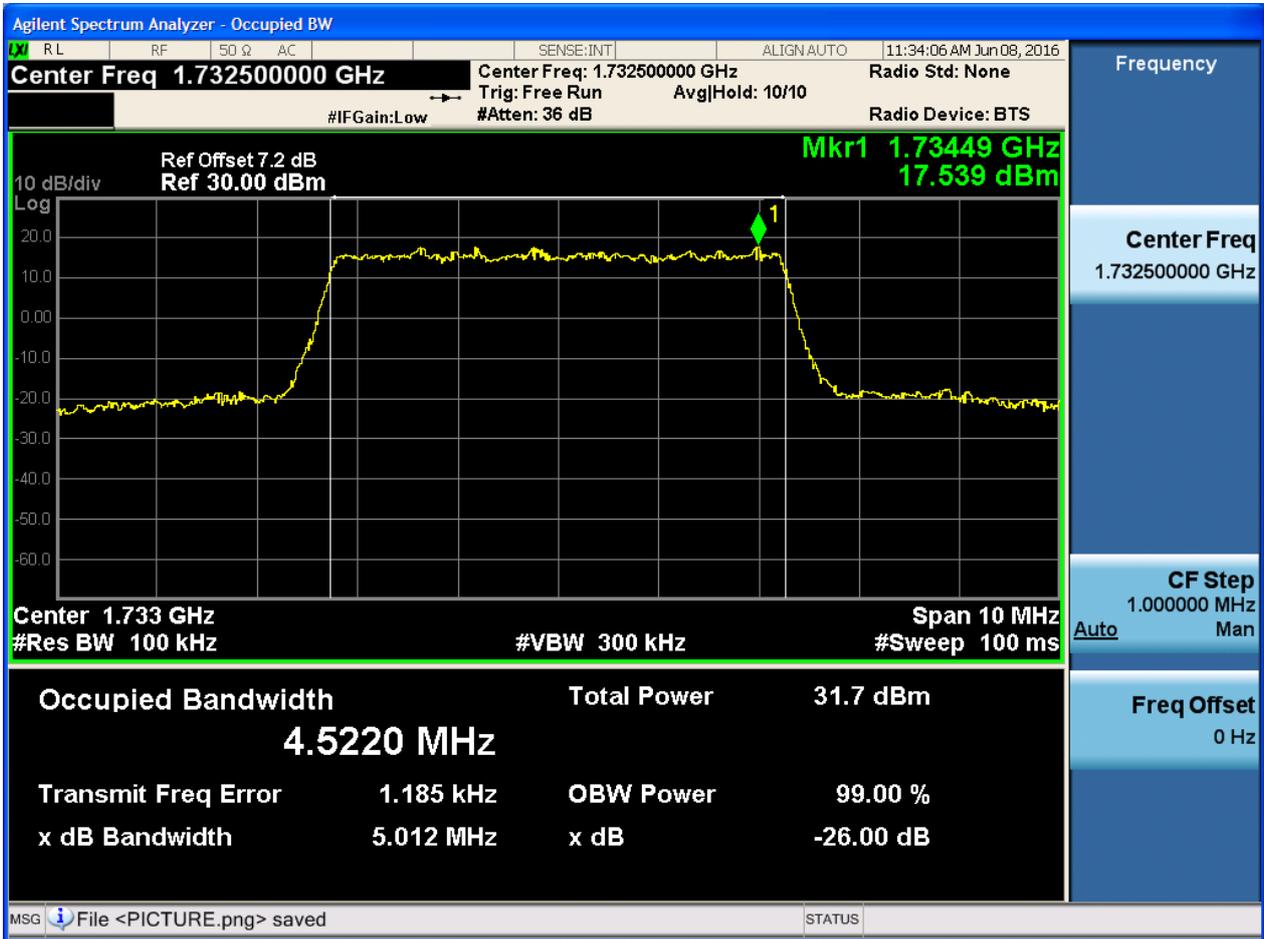
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0
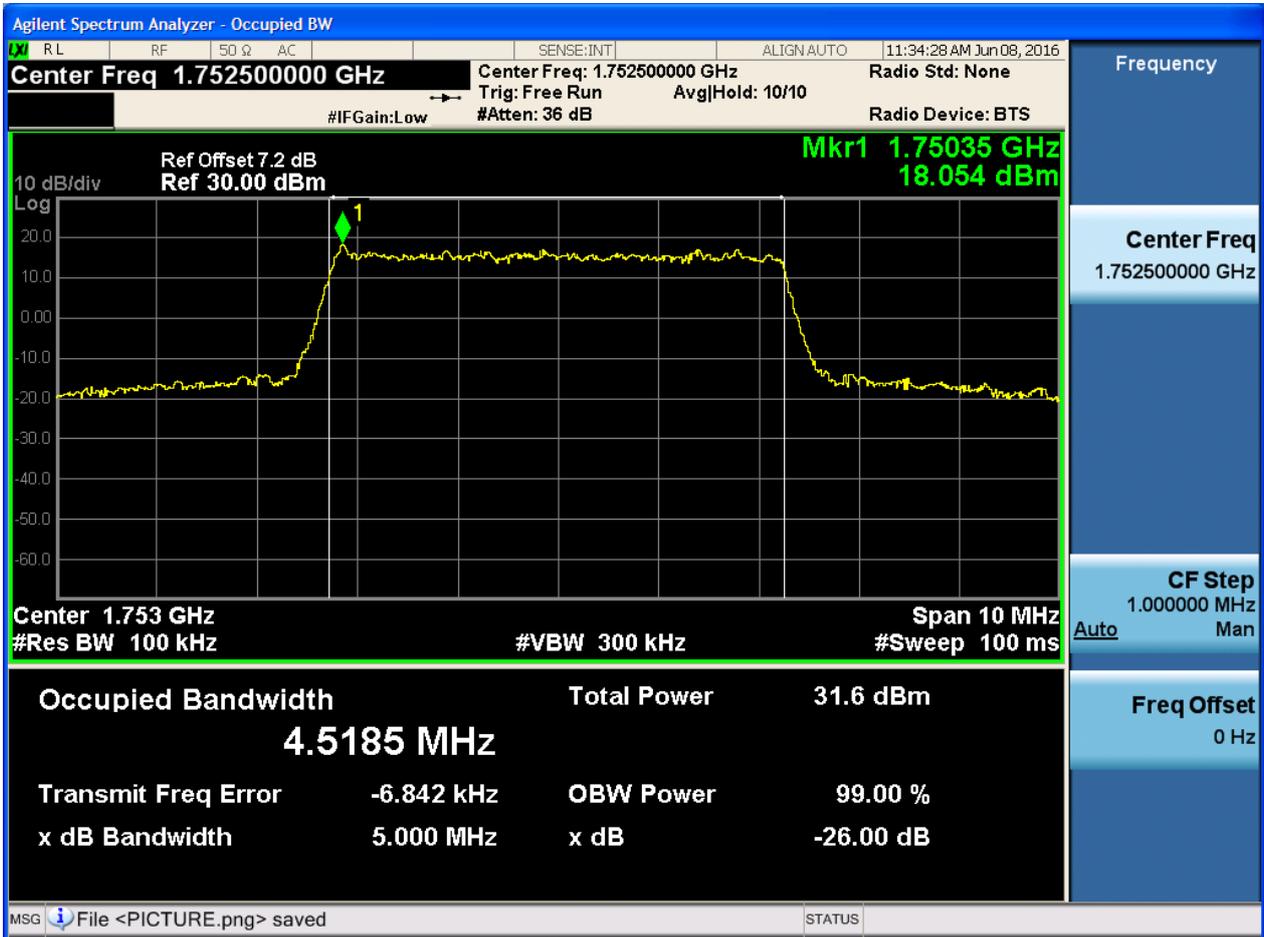
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0

4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0
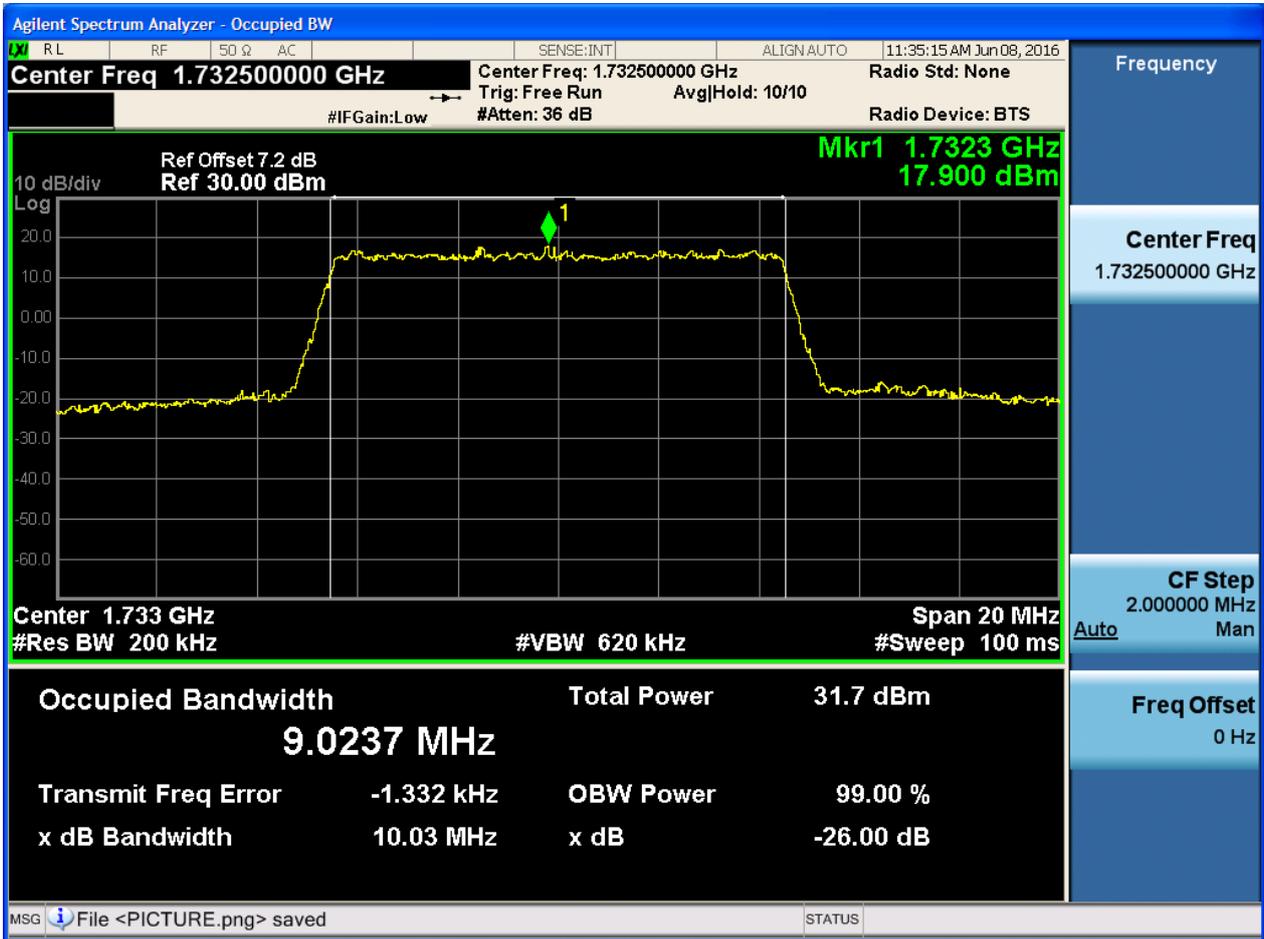
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0
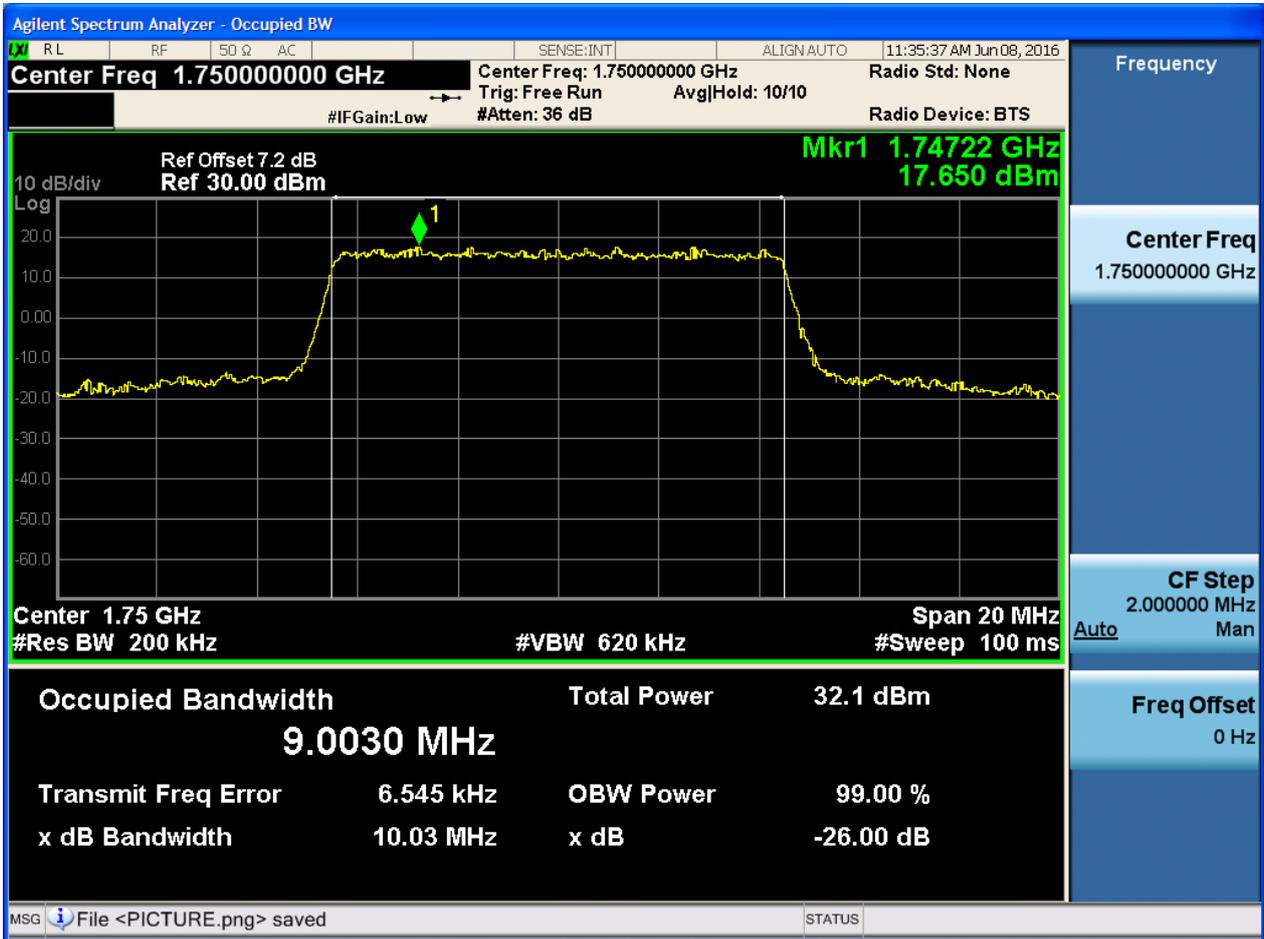
4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0
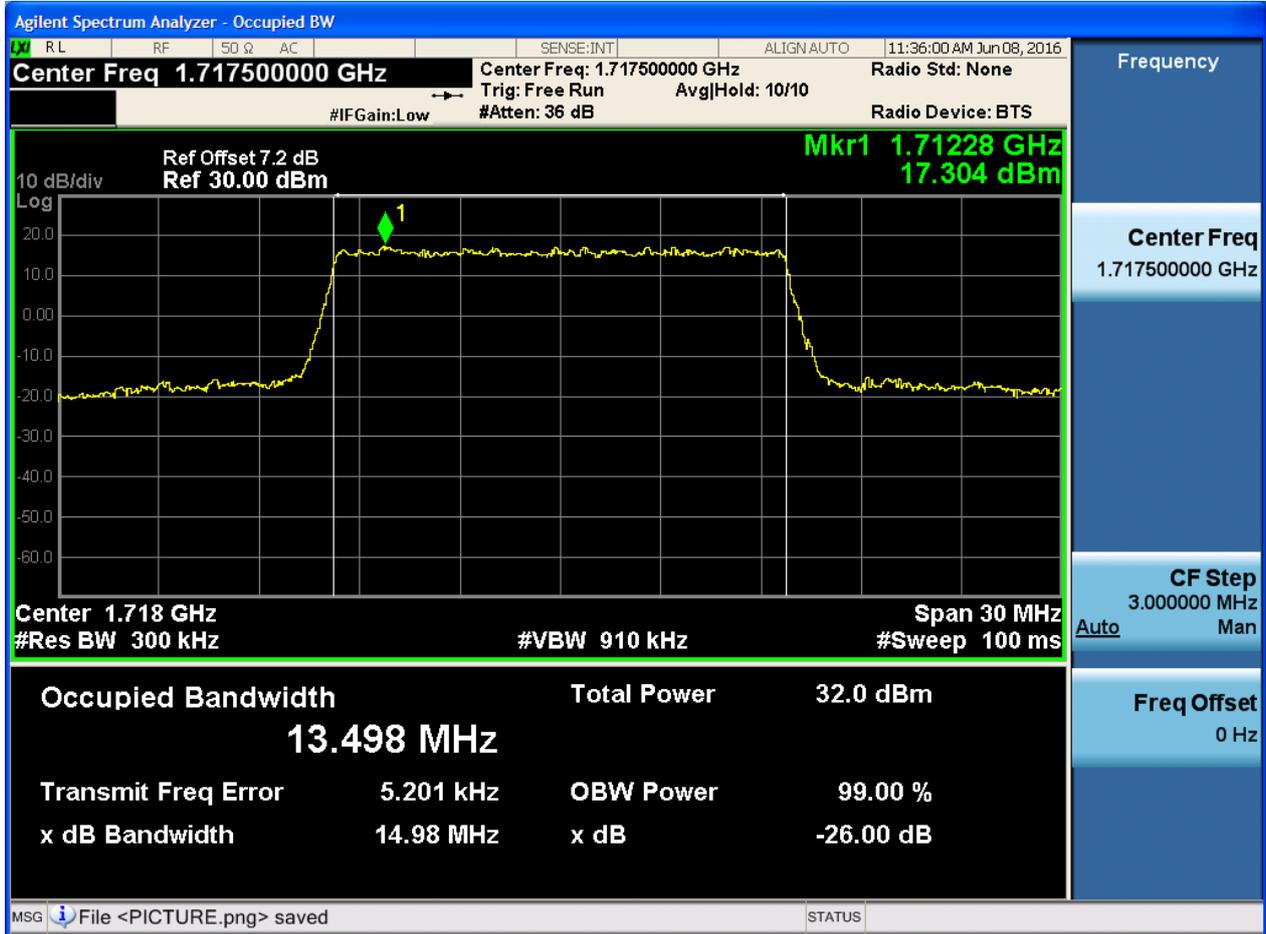
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0
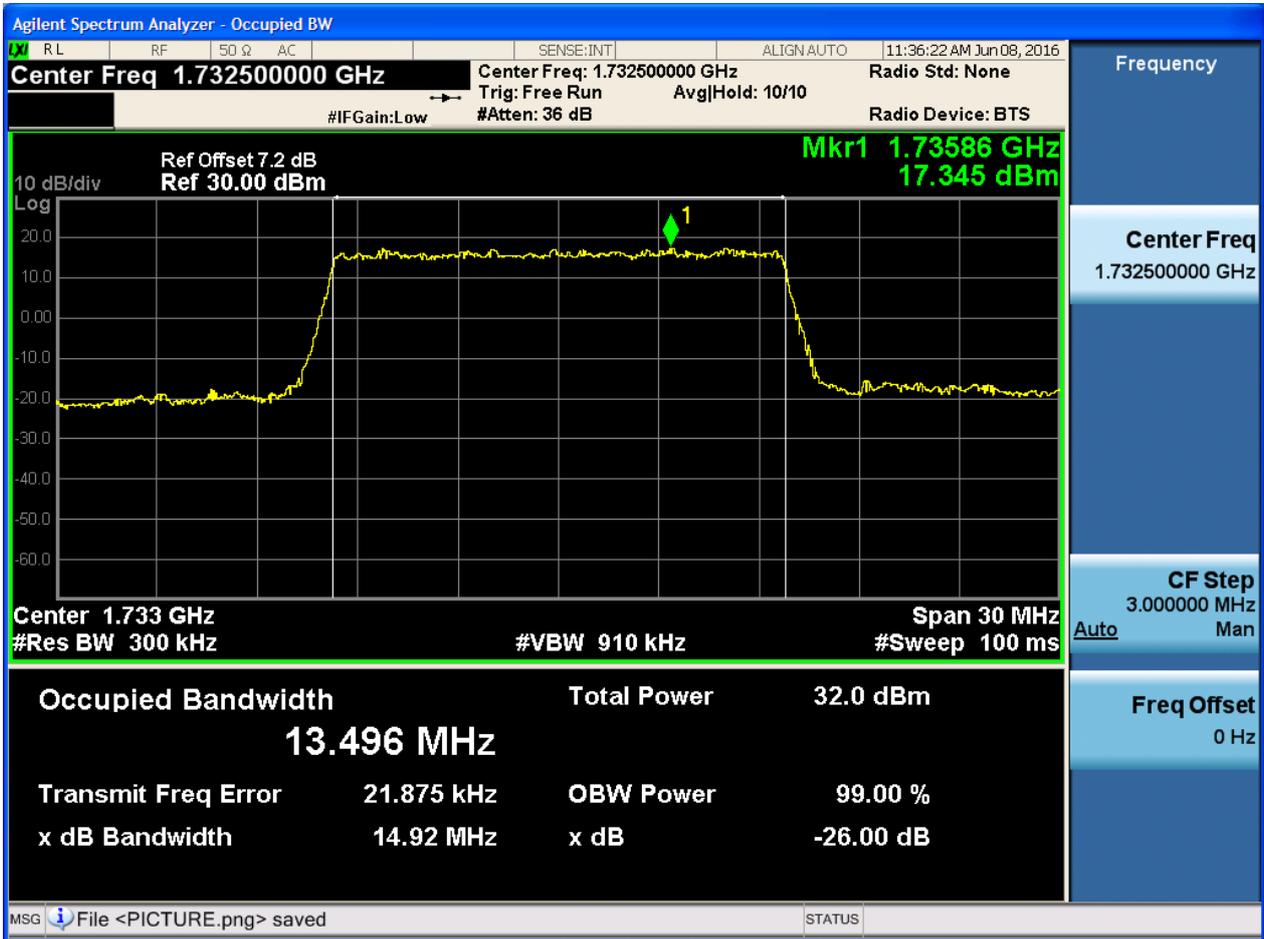
4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0
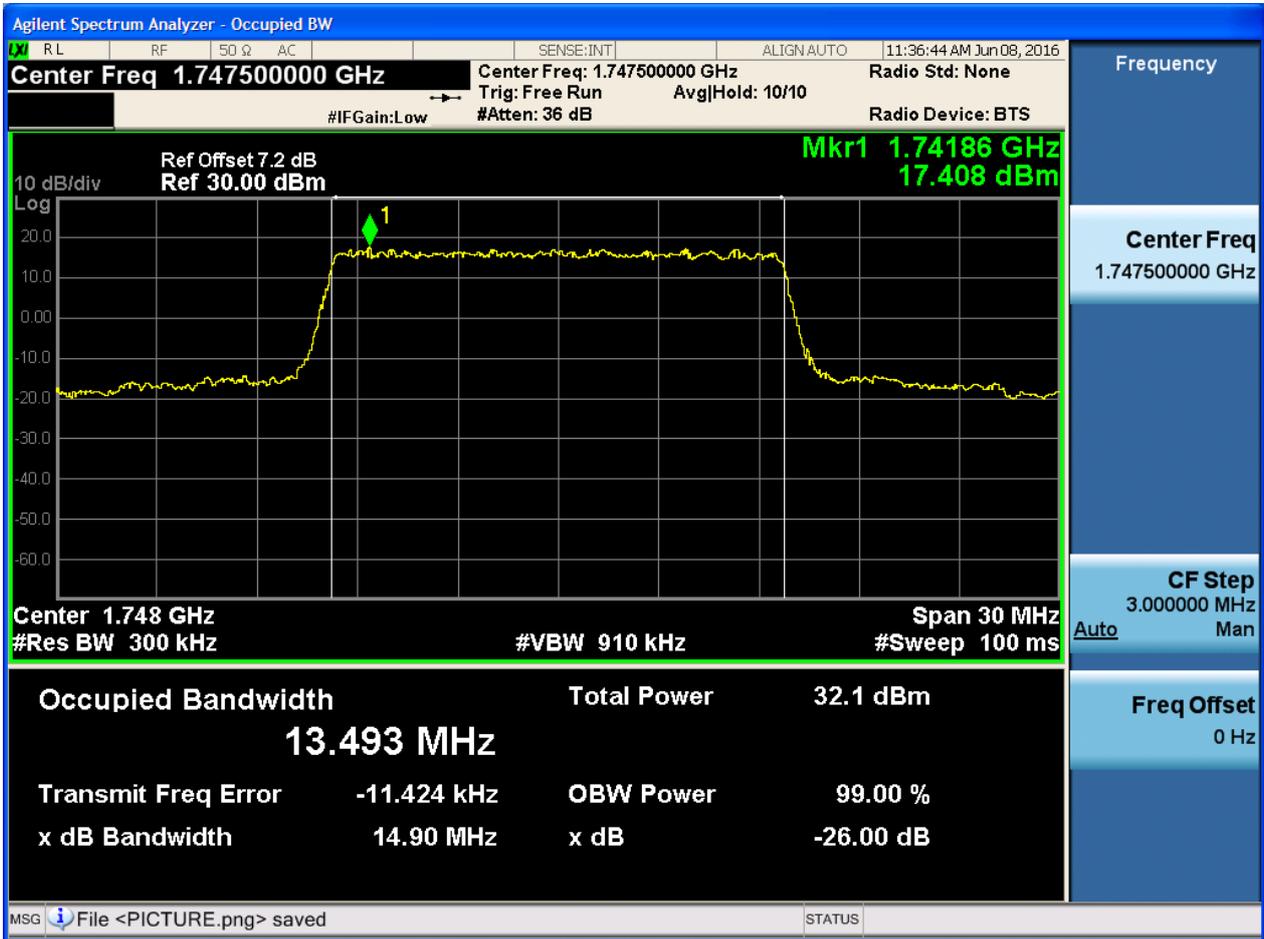
4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0
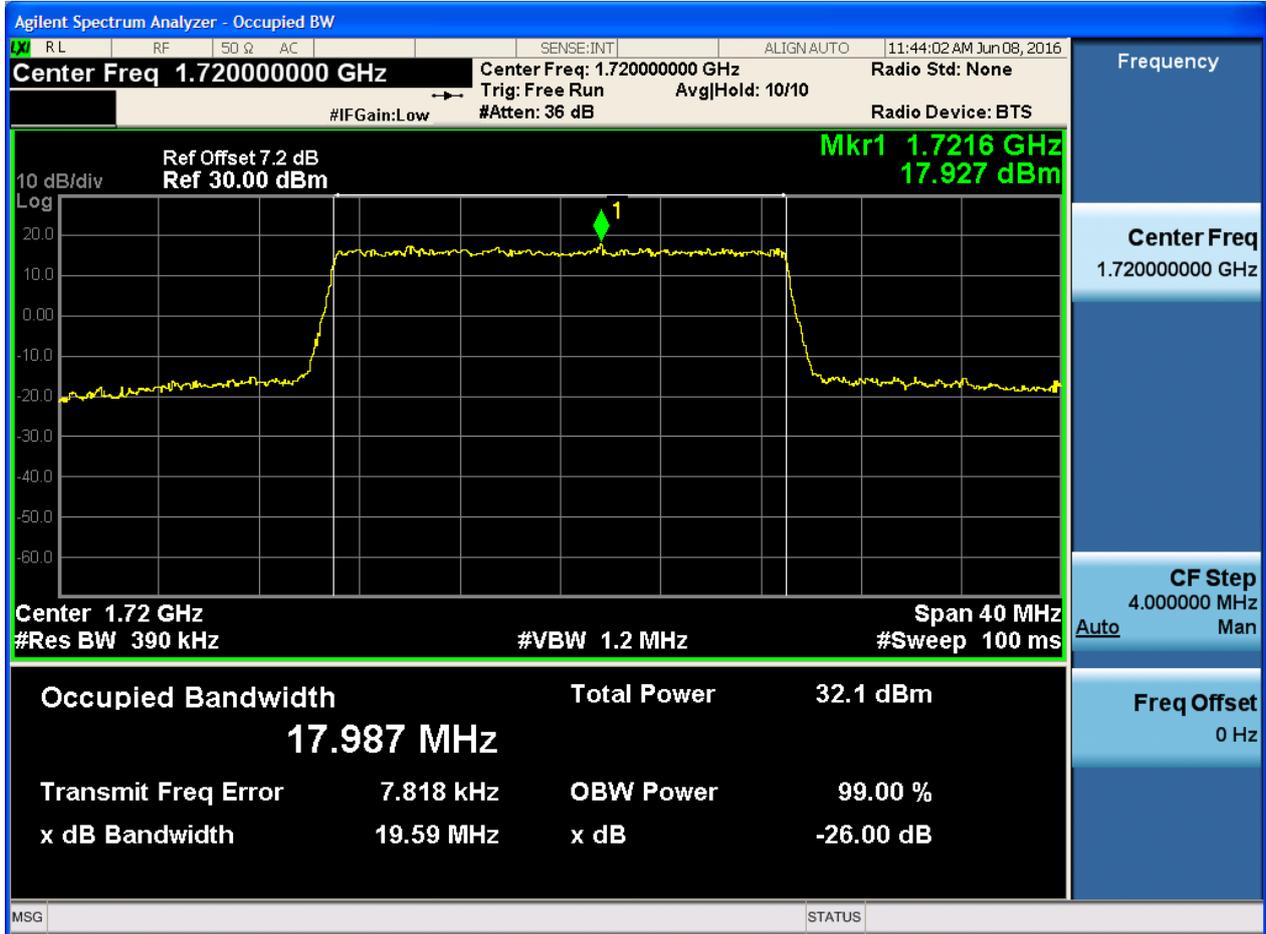
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0
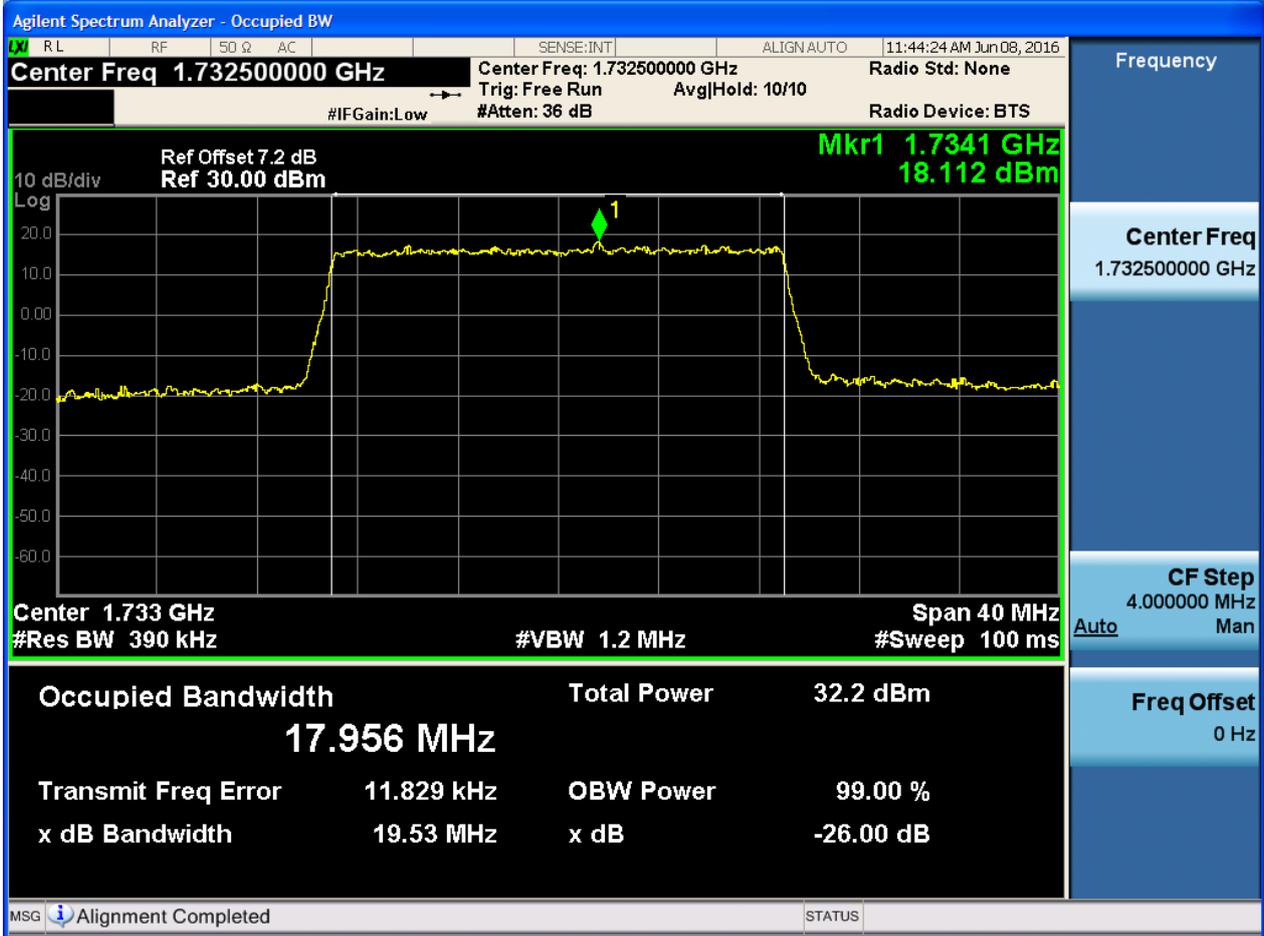
4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0

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4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0
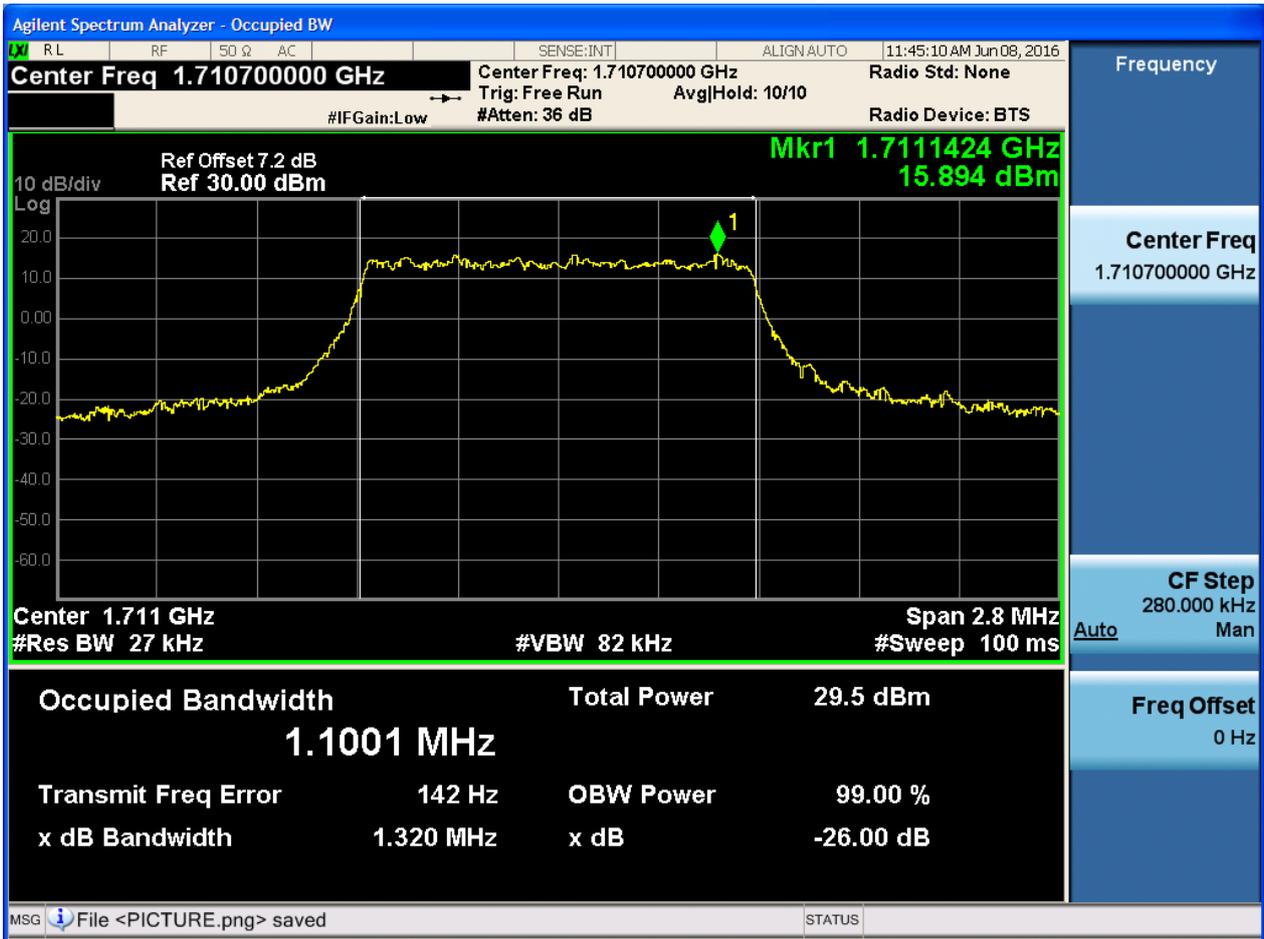
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0
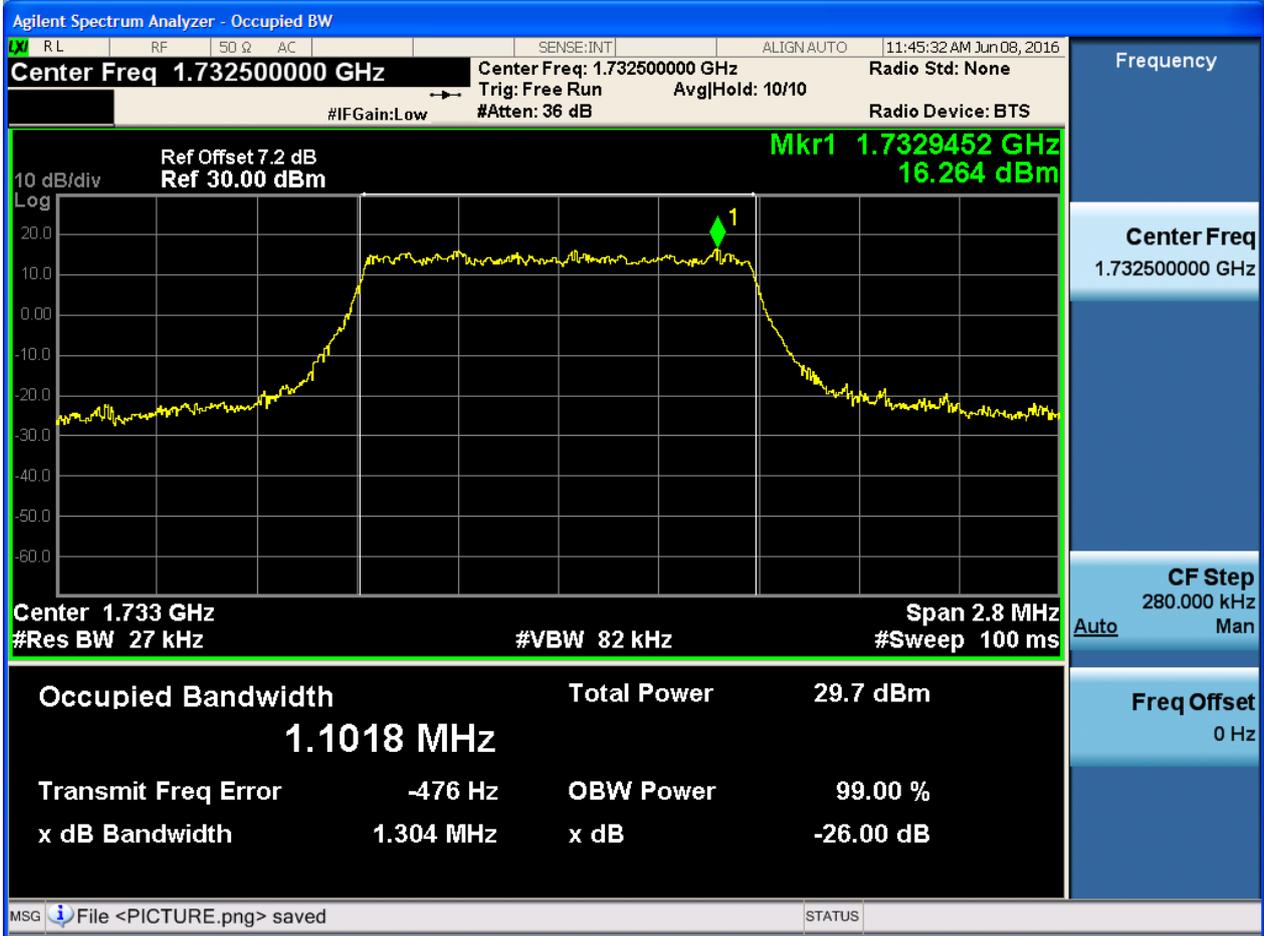
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0
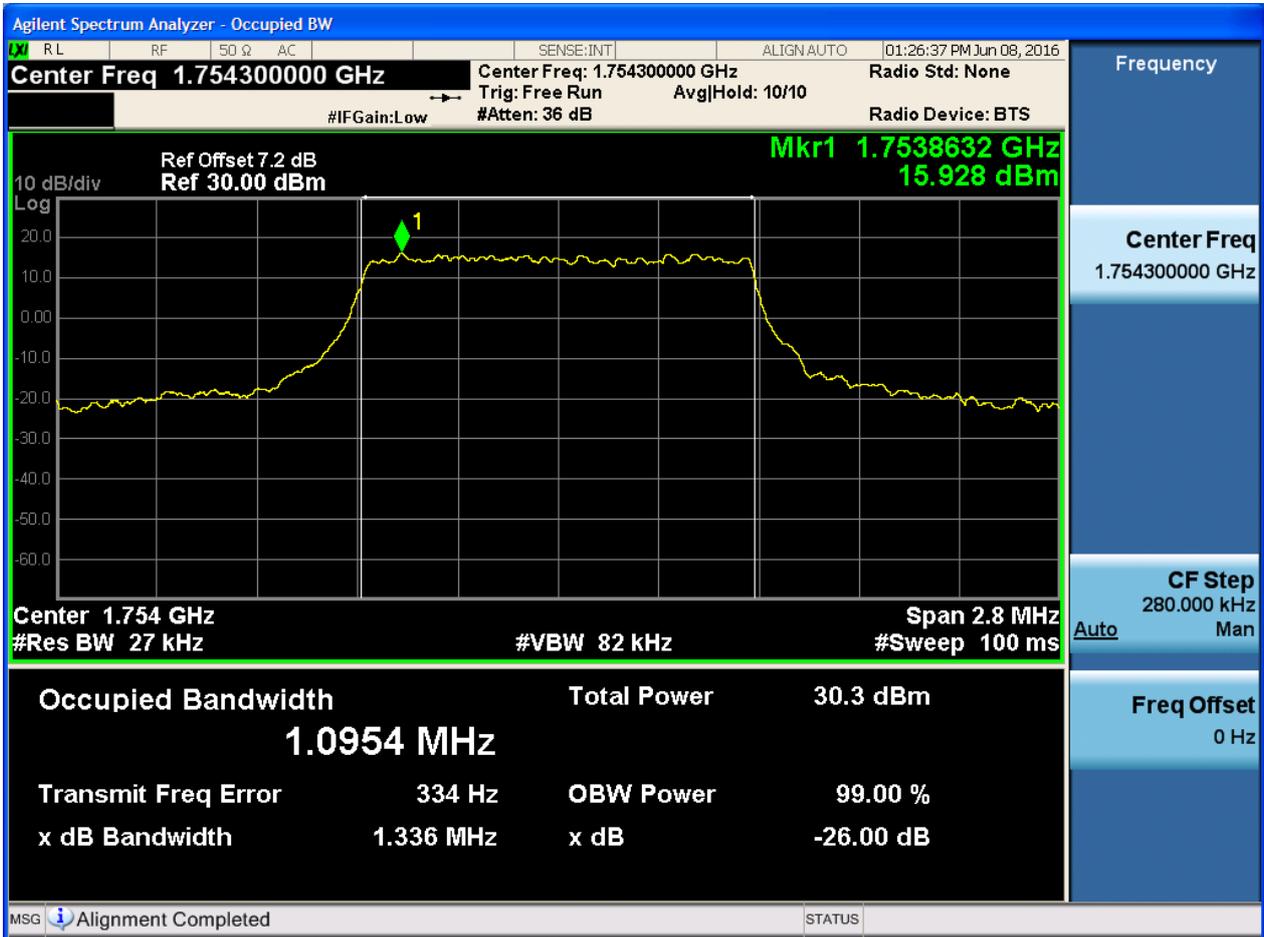
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0
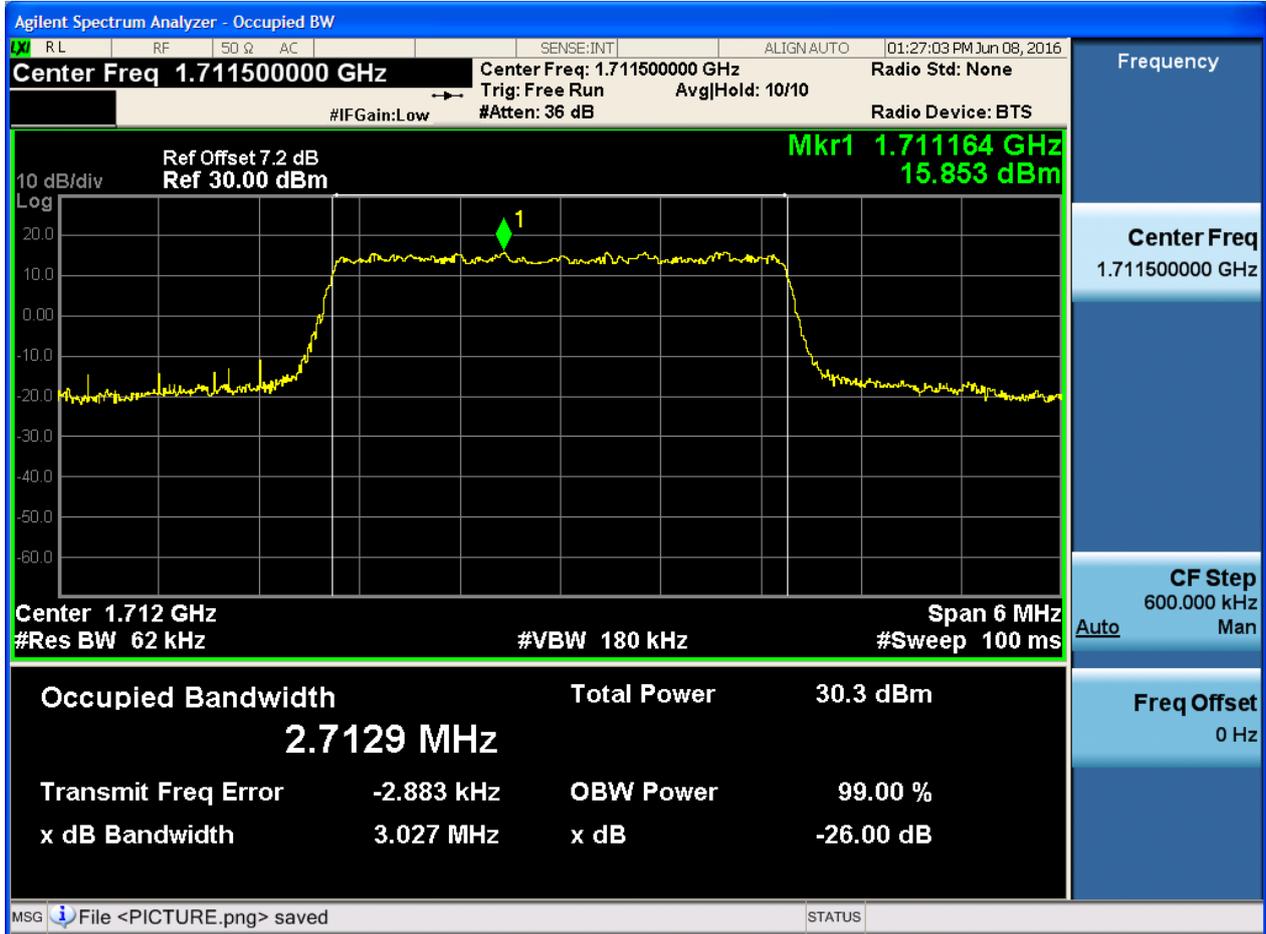
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0
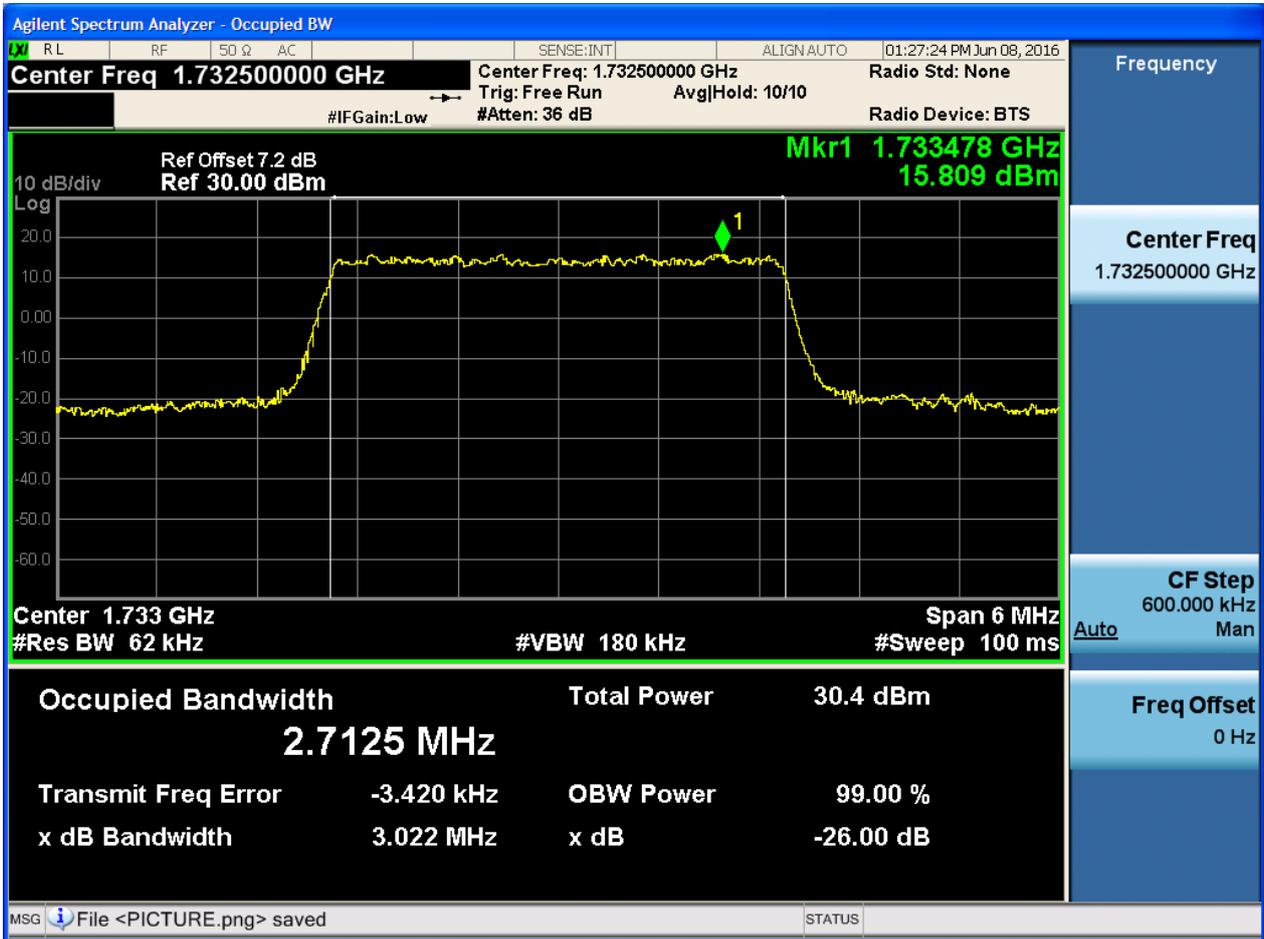
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0
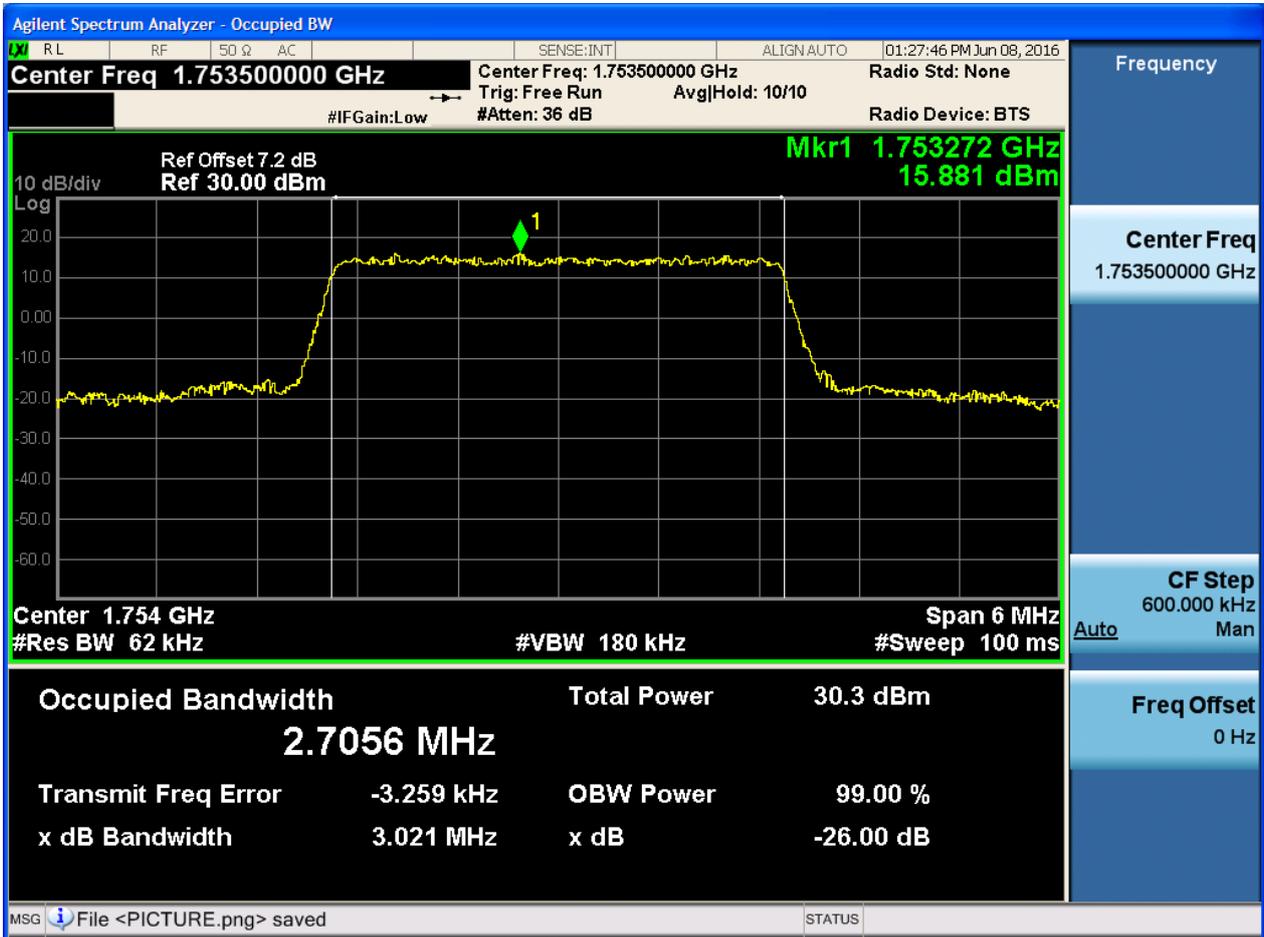
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0
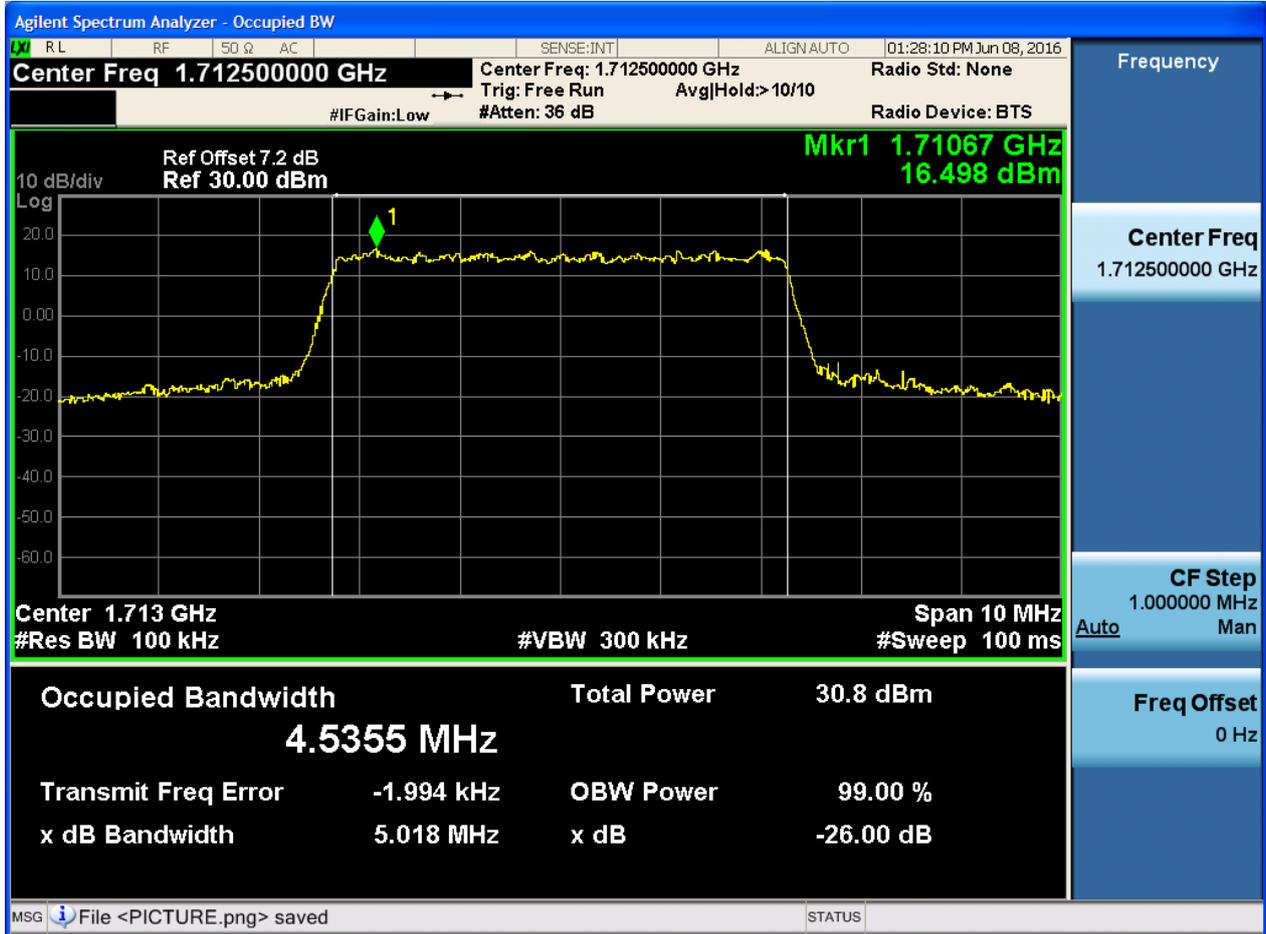
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0
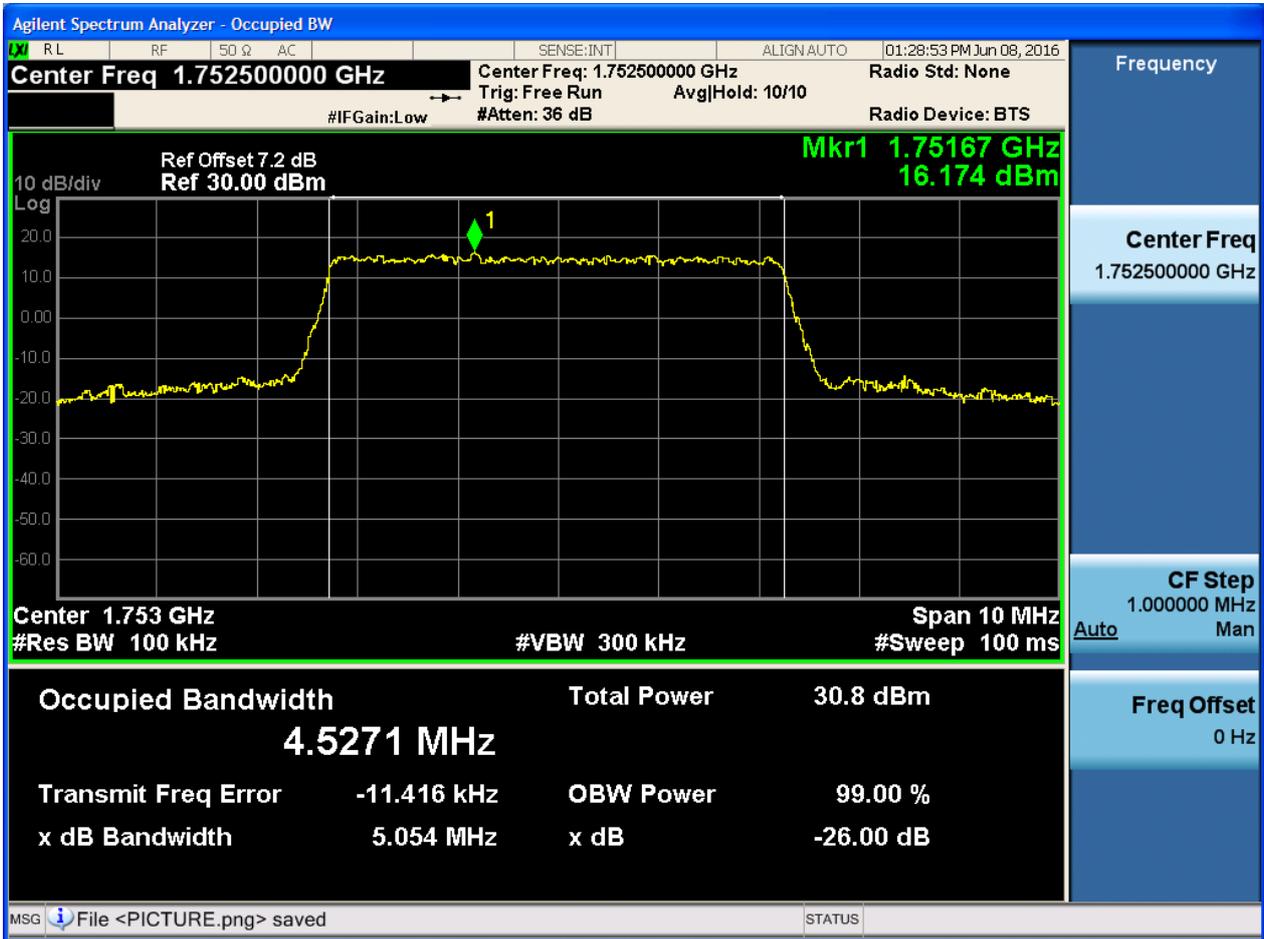
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0
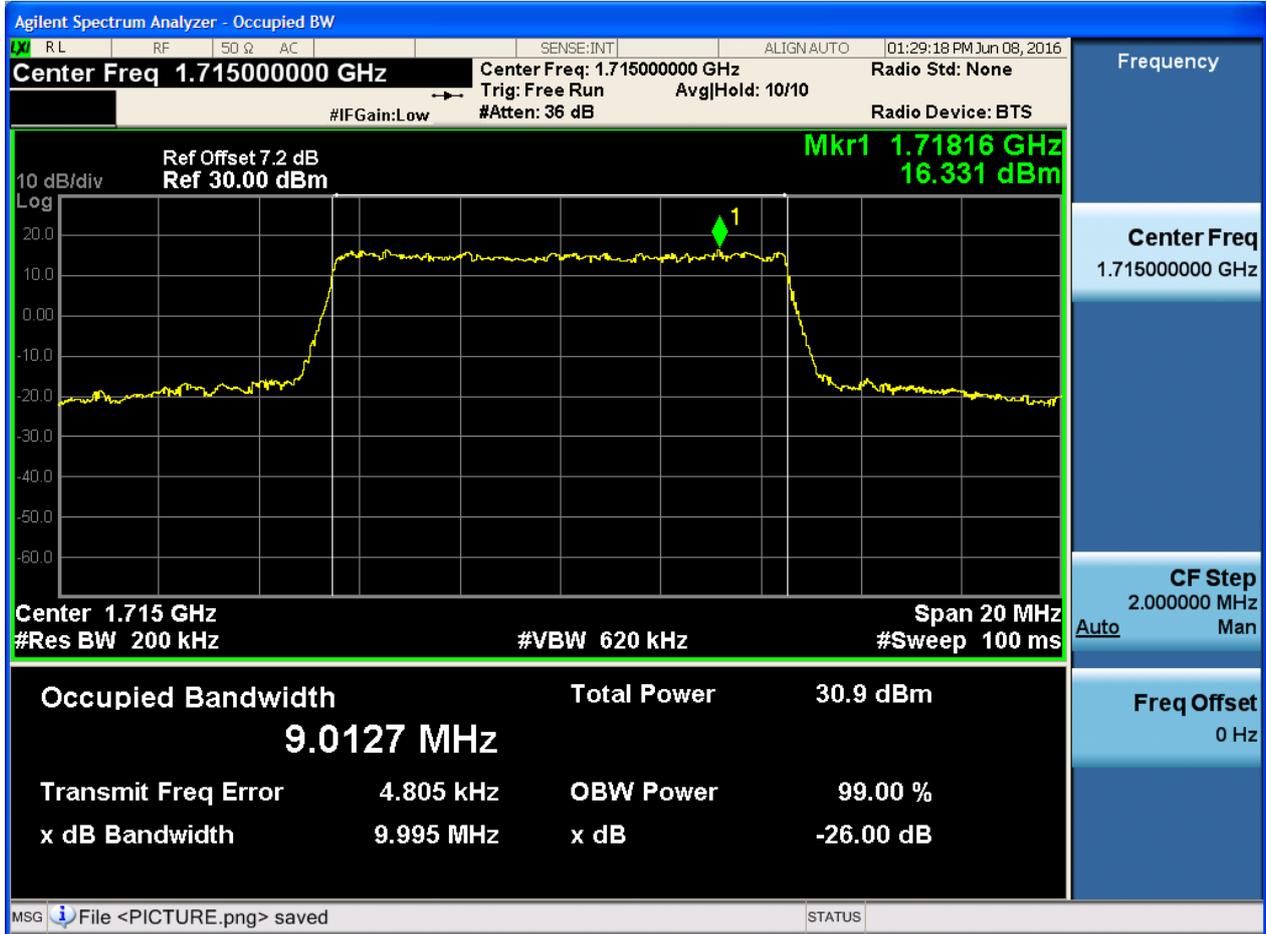
4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0
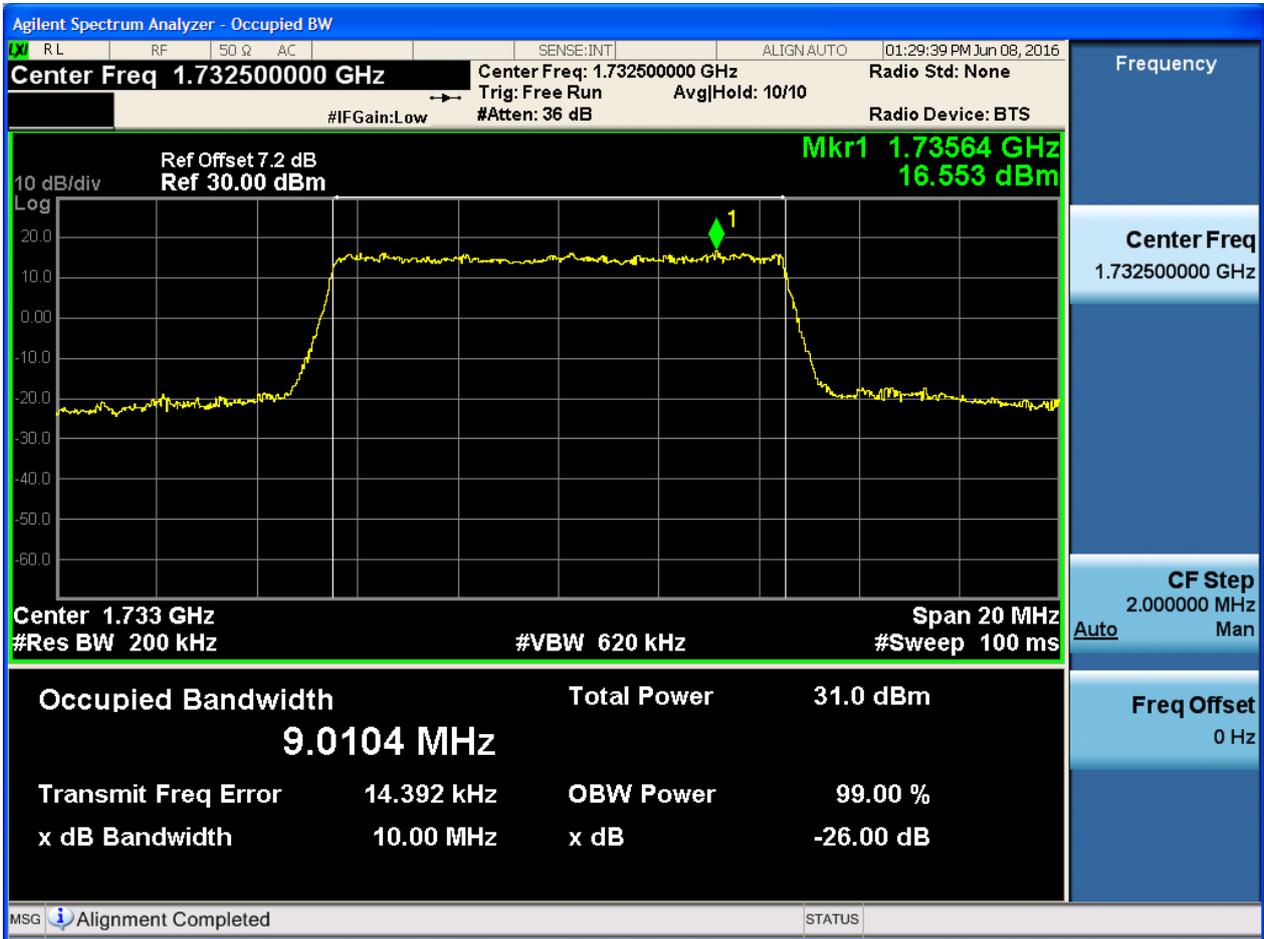
4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0
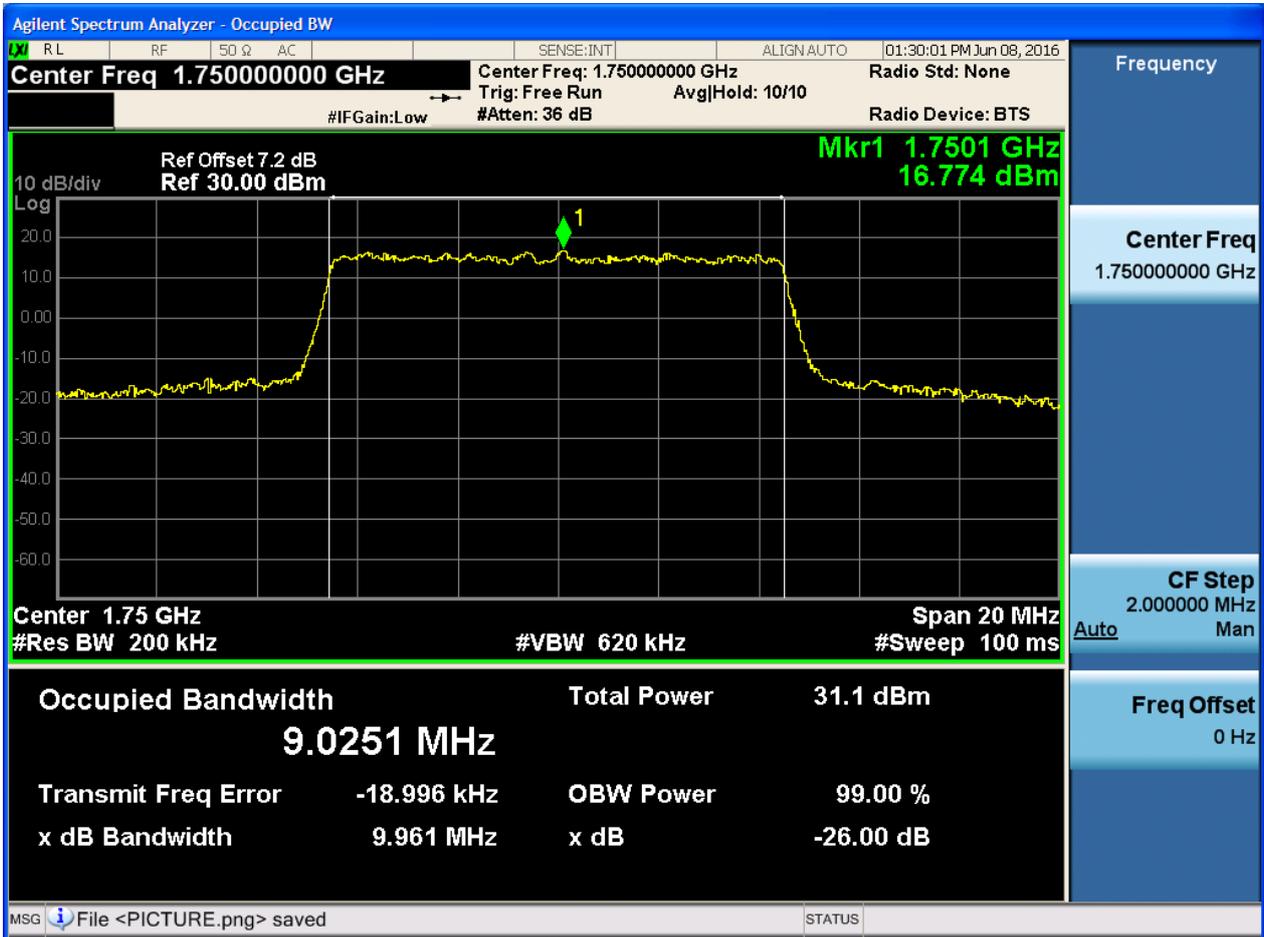
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0
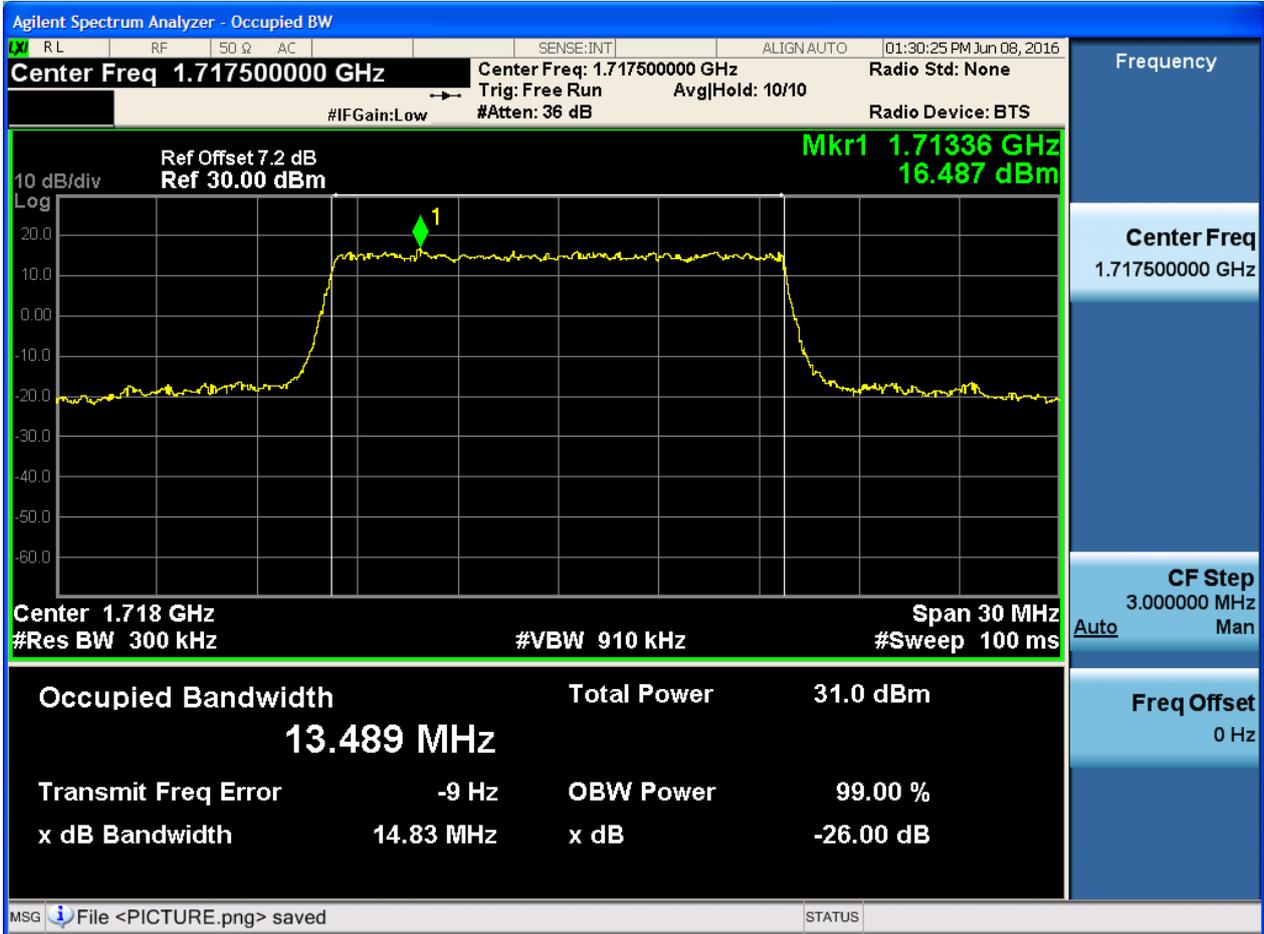
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0
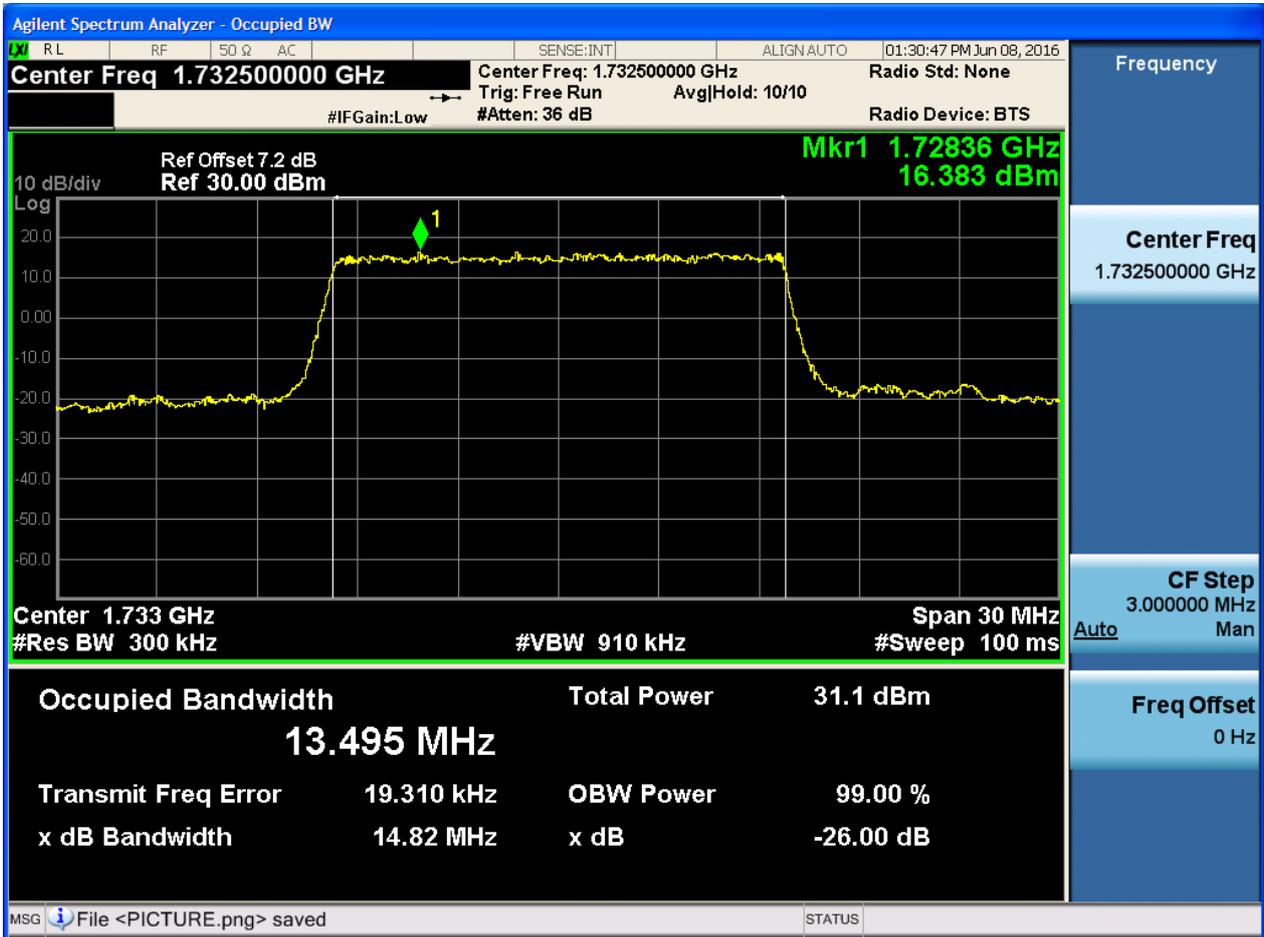
4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0
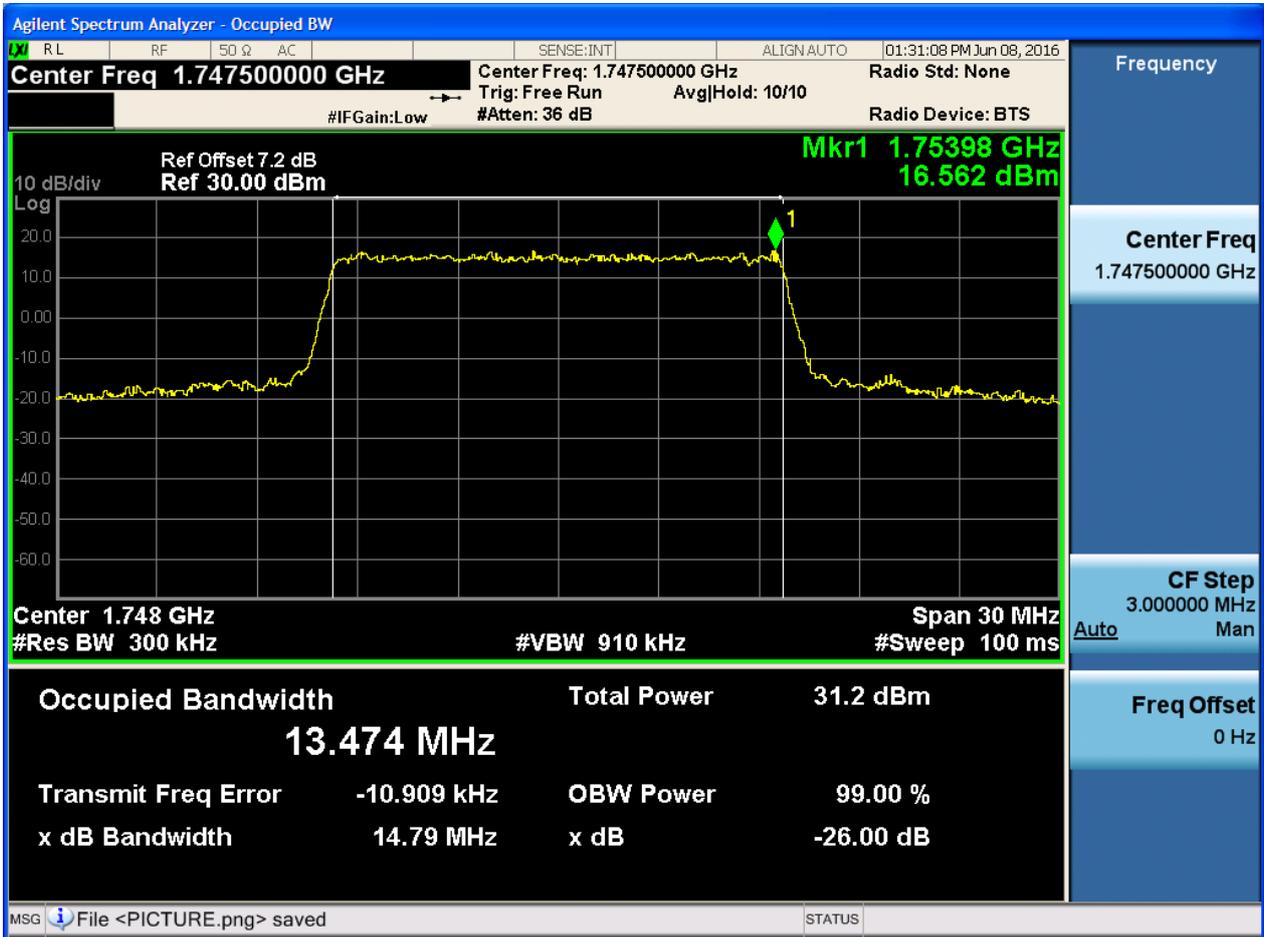
4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0
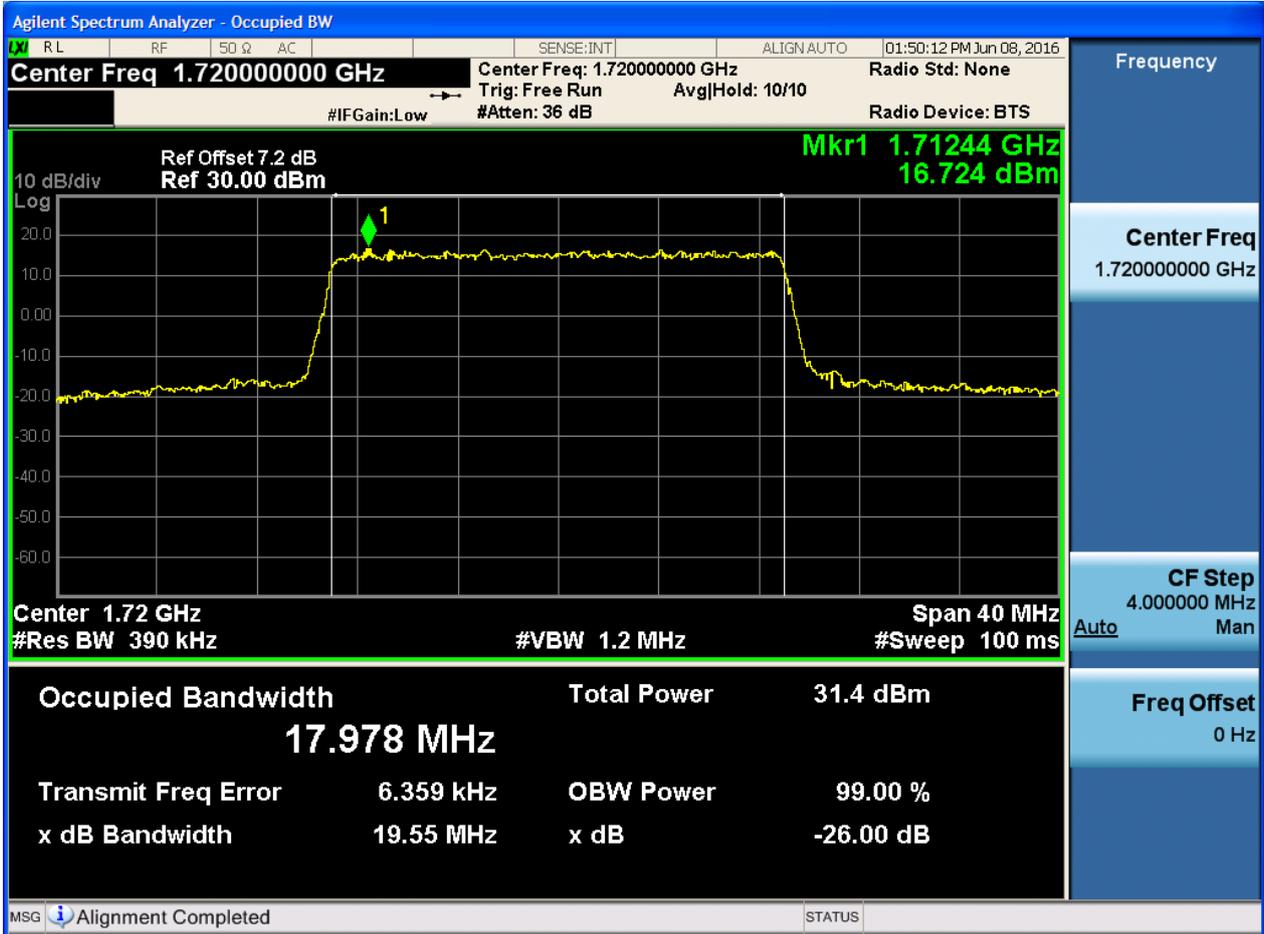
4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0
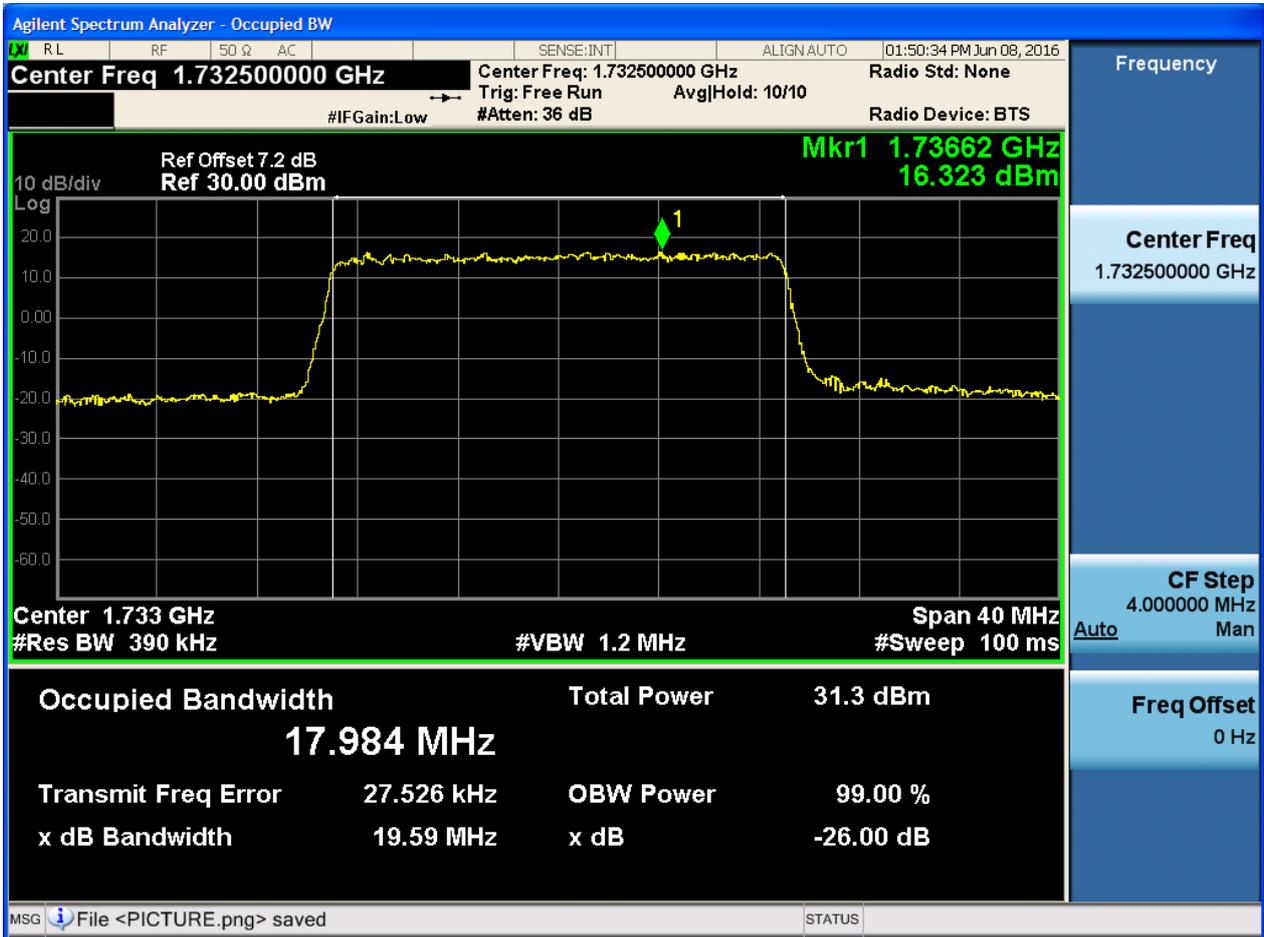
4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0
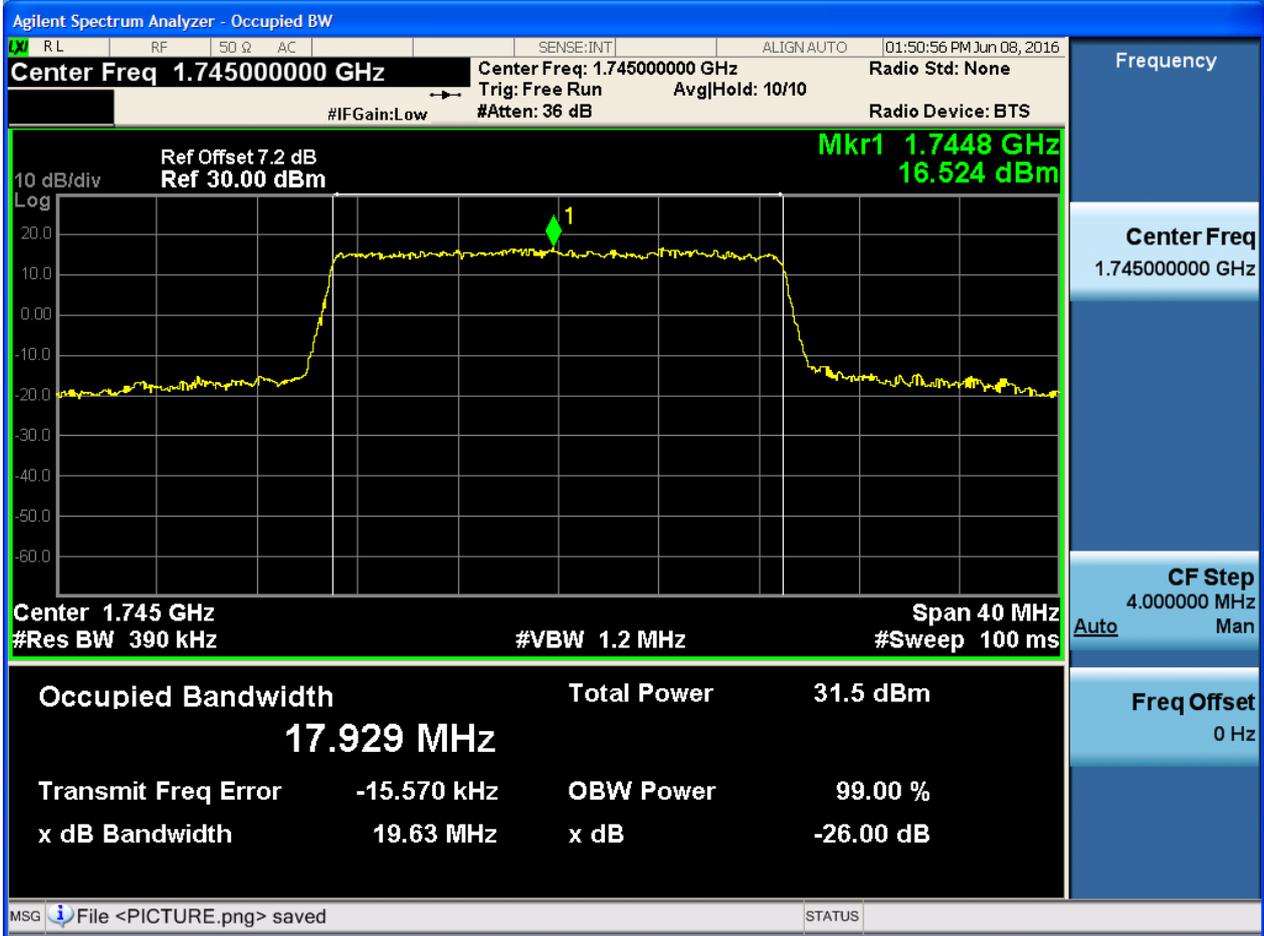
5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0
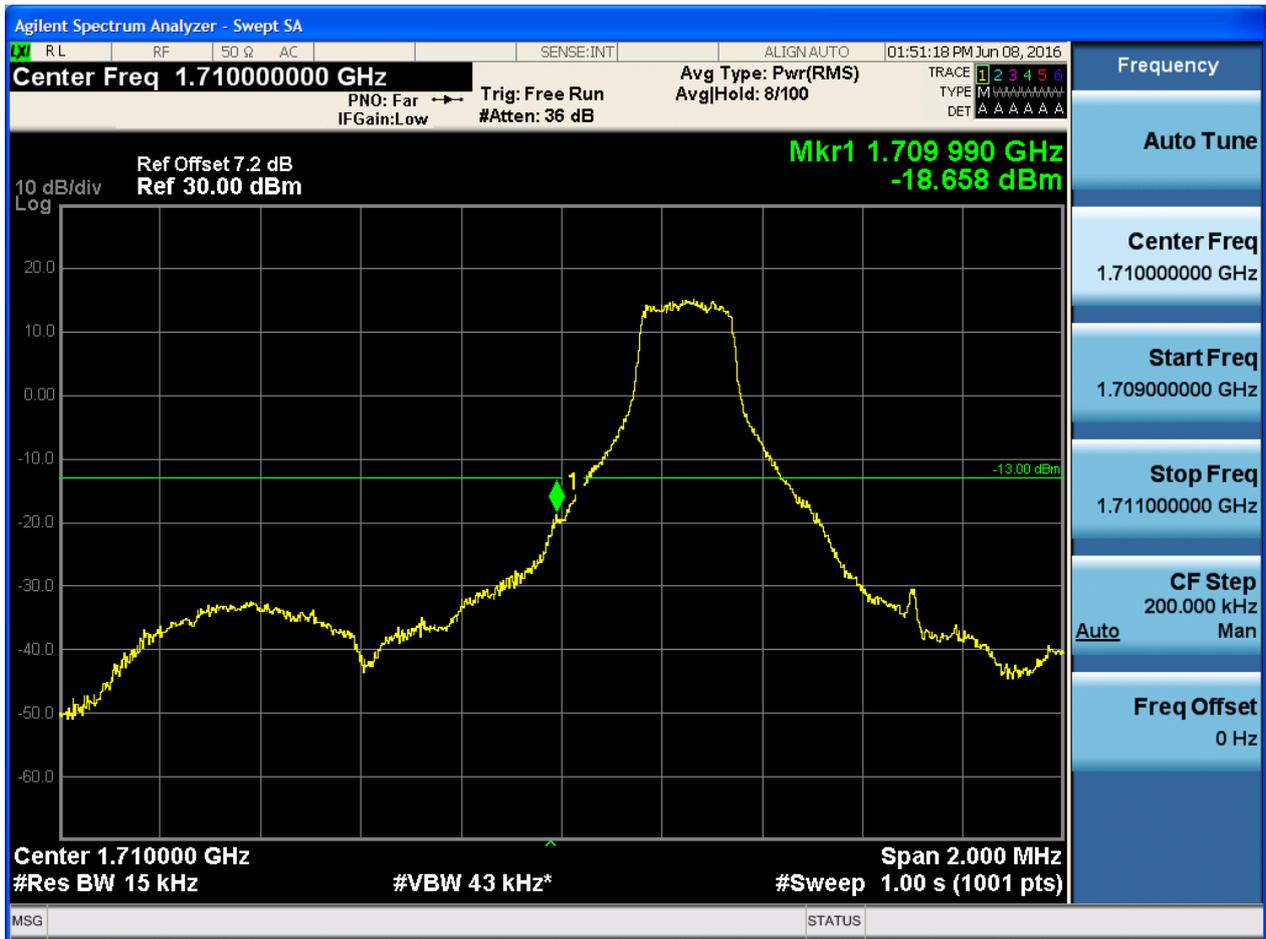
5.1.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.1.3 Test RB = RB3#2

5.1.1.1.1.1.4 Test RB = RB6#0

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 Test RB = RB1#5

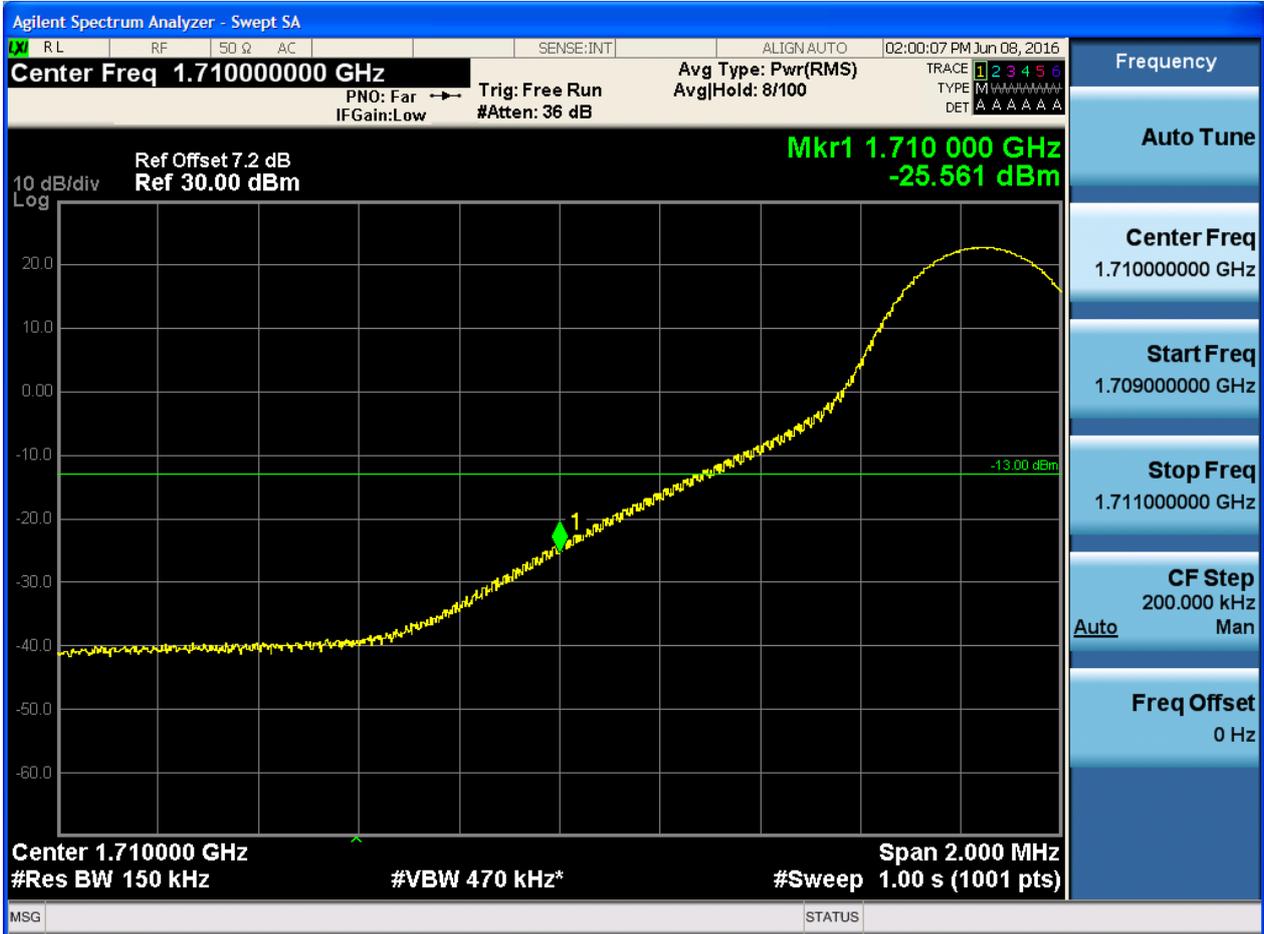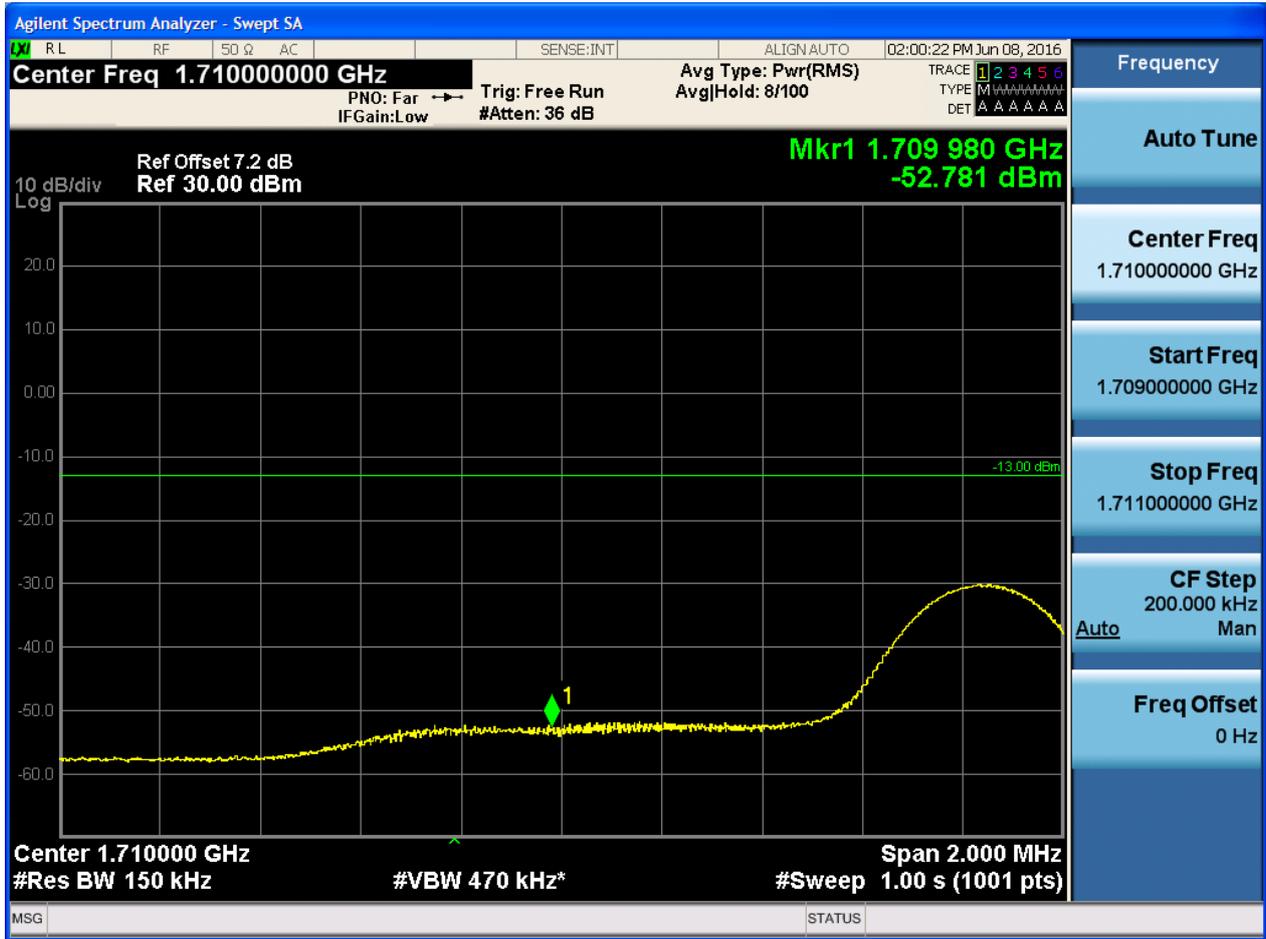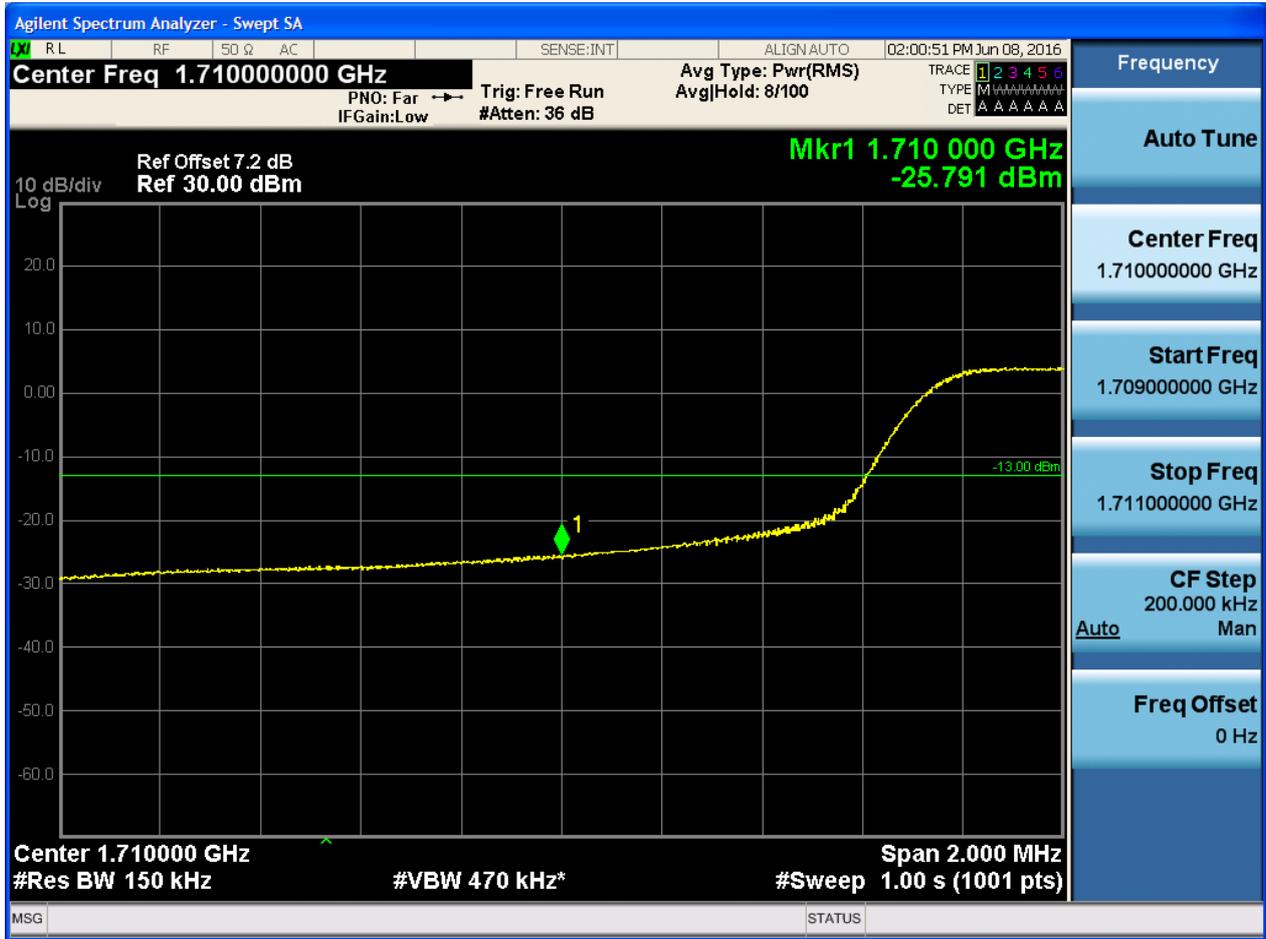## 5.1.1.1.1.2.3 Test RB = RB3#2

5.1.1.1.1.2.4 Test RB = RB6#0

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5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0

5.1.1.1.2.1.2 Test RB = RB1#14

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Copyright © Huawei Technologies Co., Ltd.
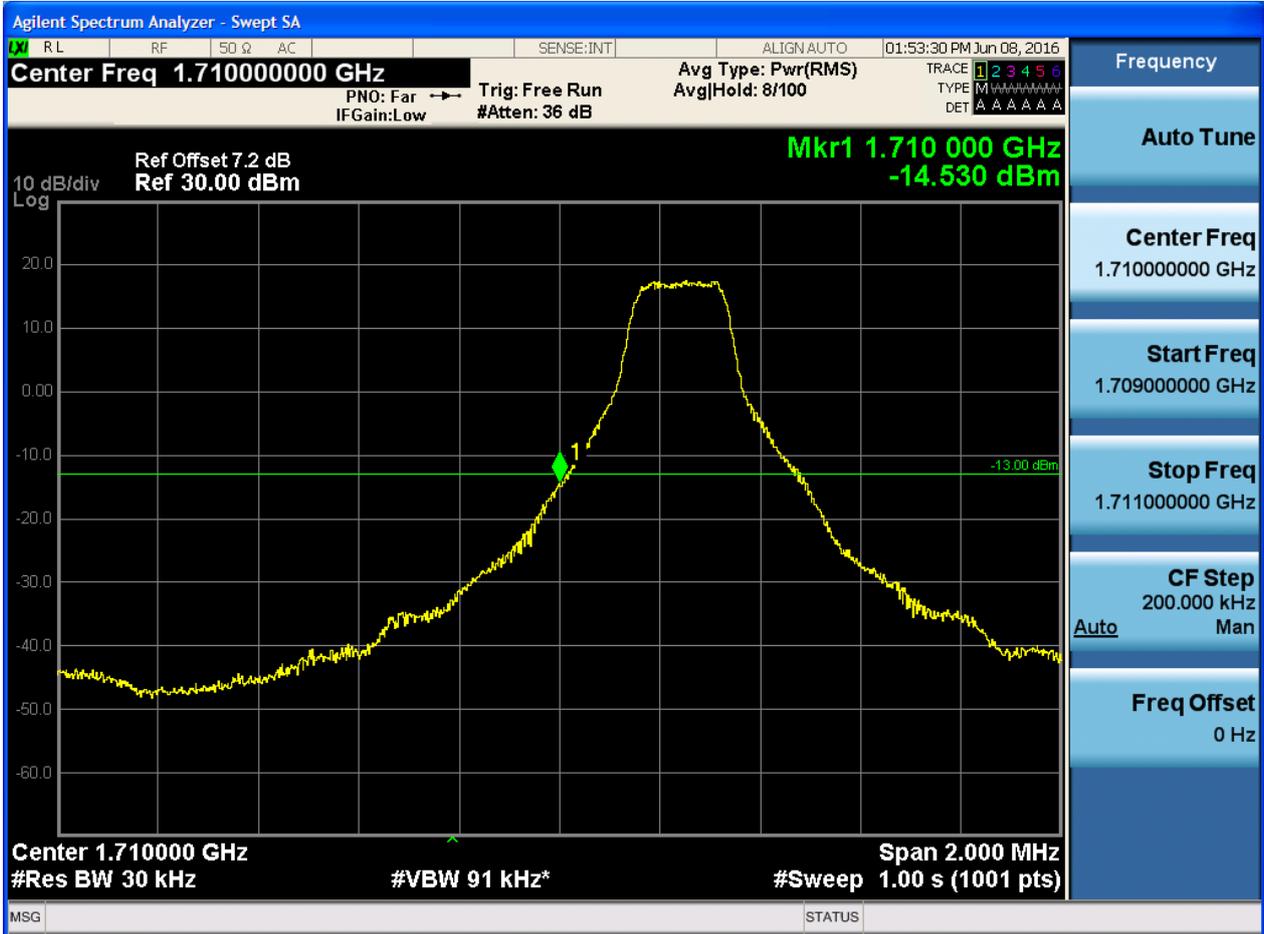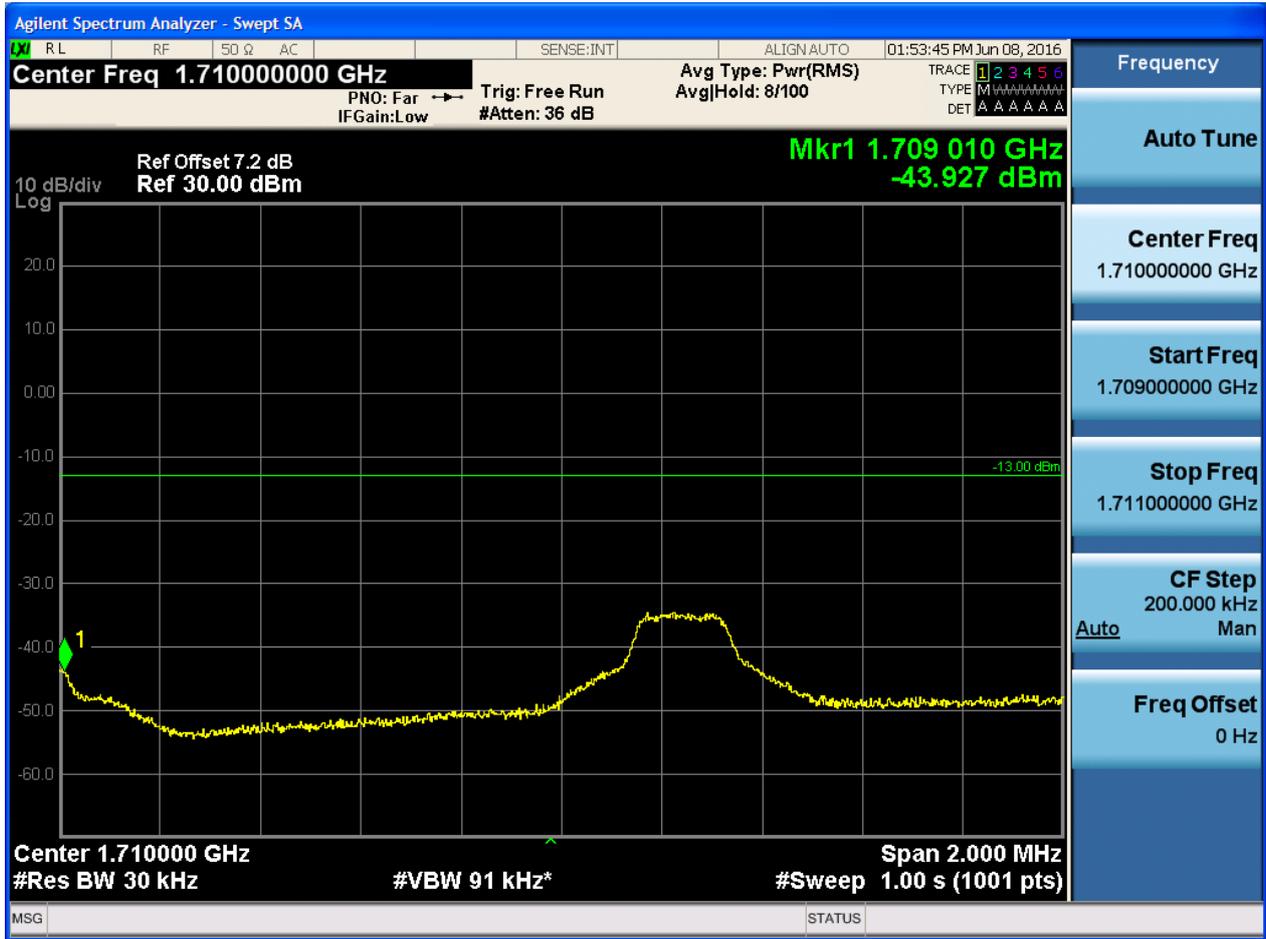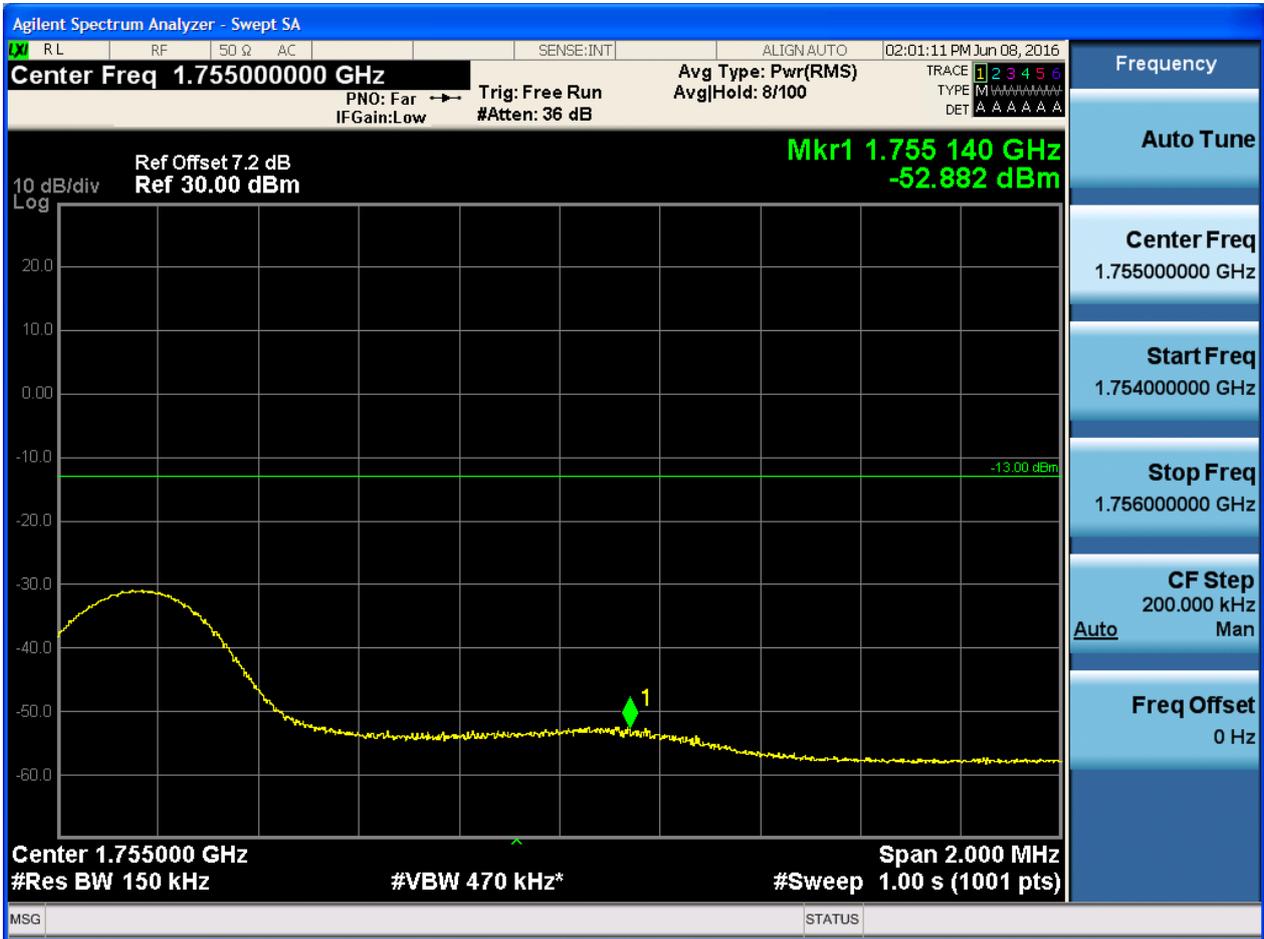
5.1.1.1.2.1.3 Test RB = RB8#4
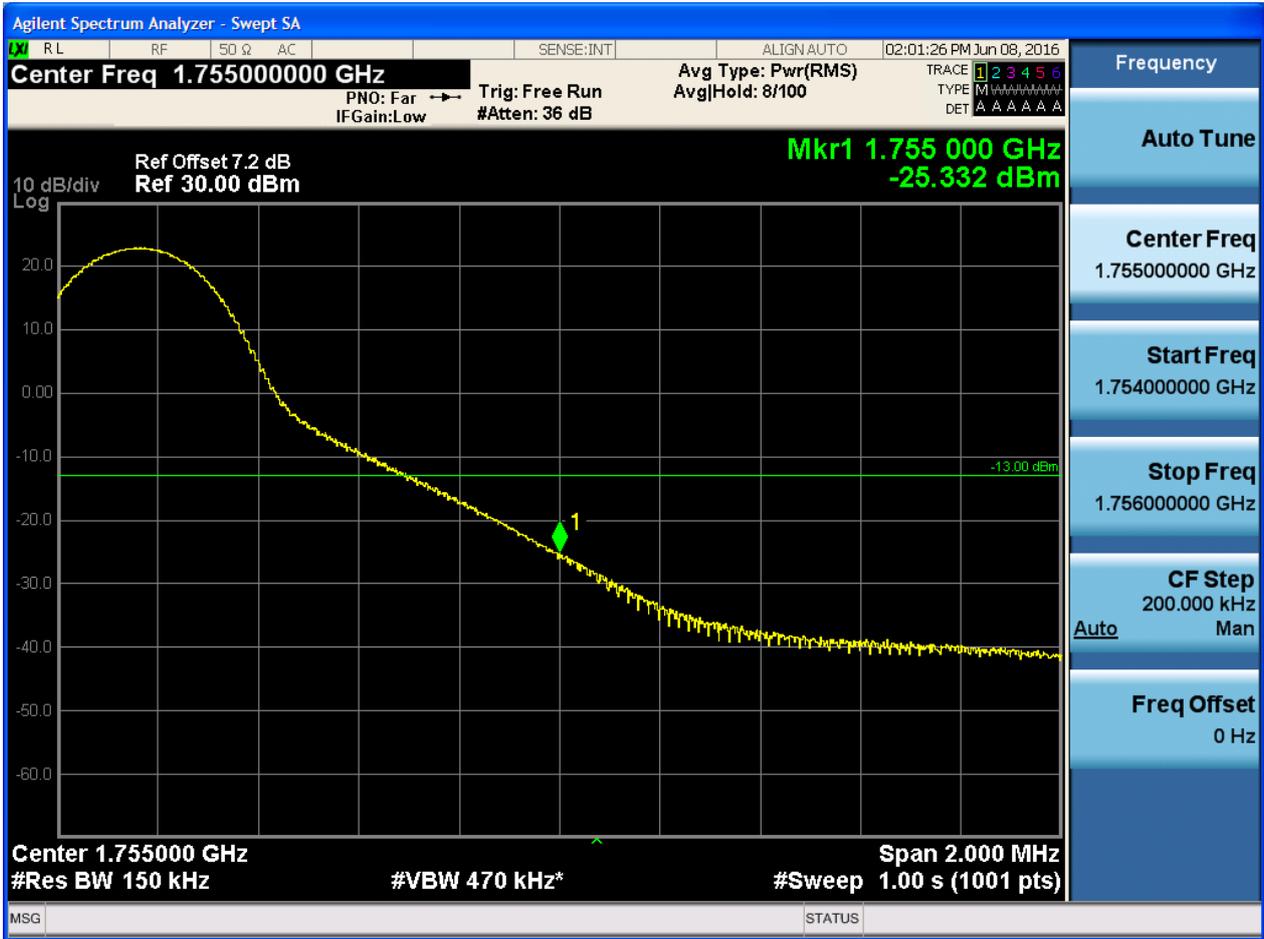
5.1.1.1.2.1.4 Test RB = RB15#0

5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0
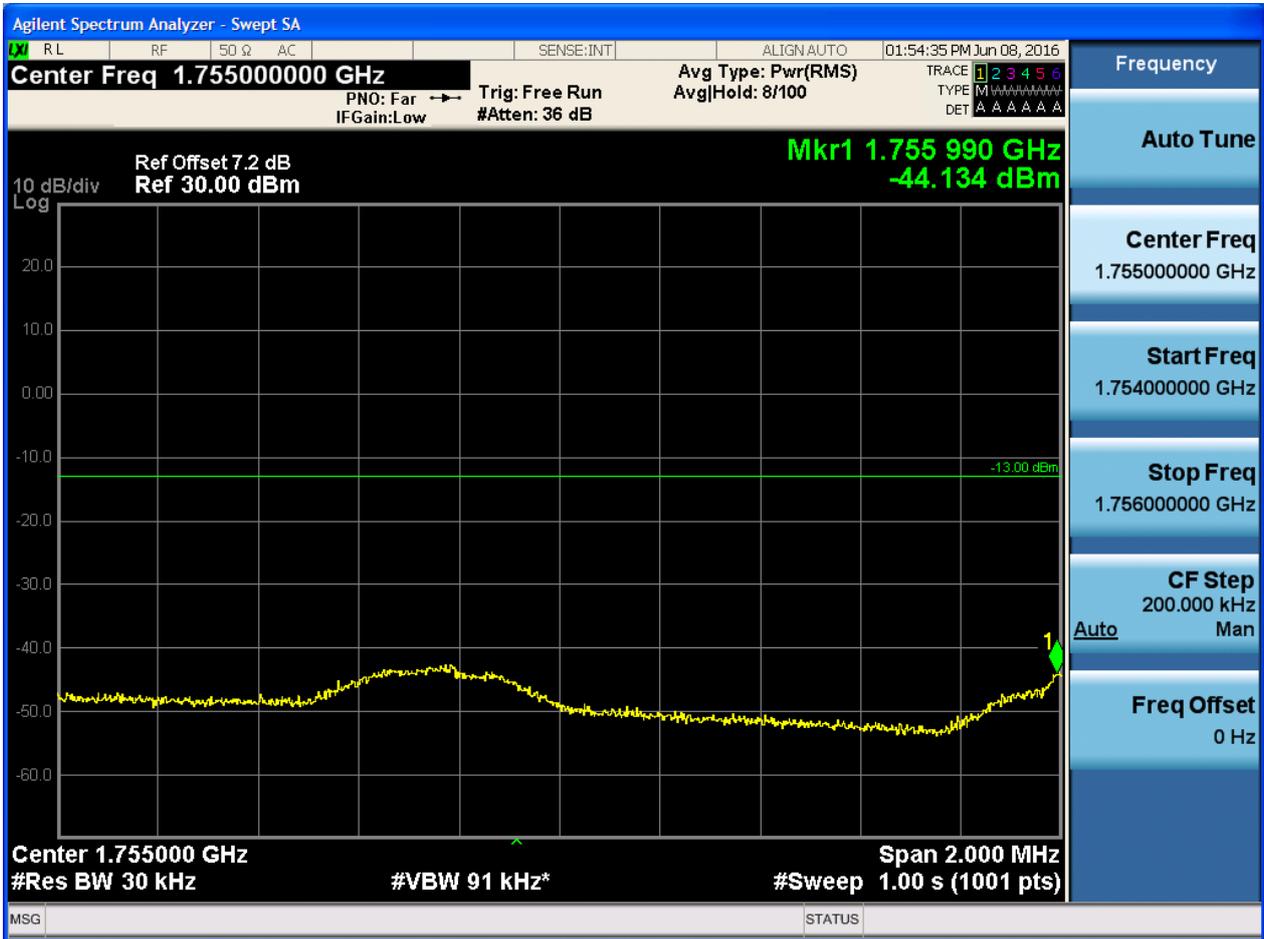
5.1.1.1.2.2.2 Test RB = RB1#14
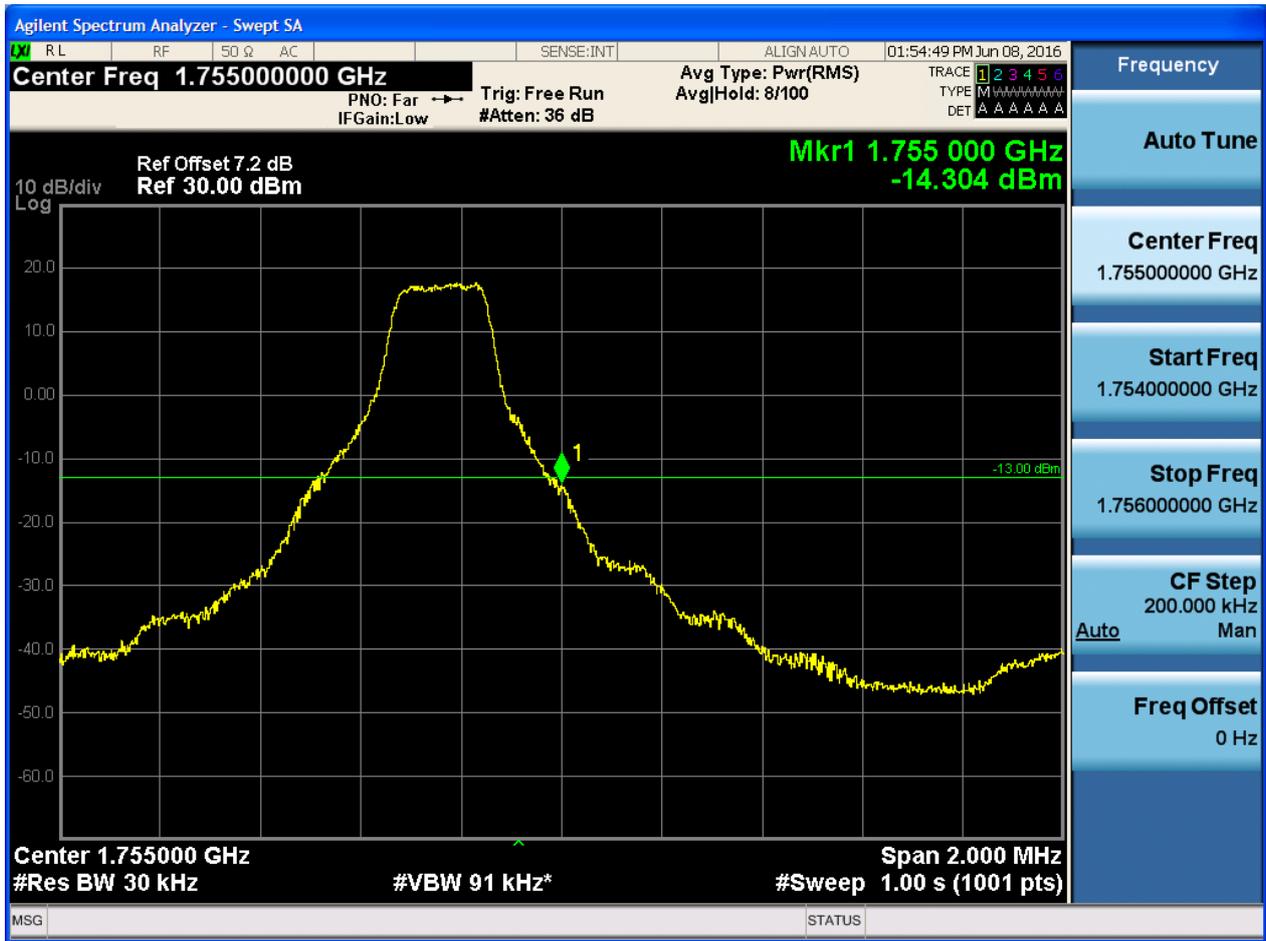
5.1.1.1.2.2.3 Test RB = RB8#4

5.1.1.1.2.2.4 Test RB = RB15#0

5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
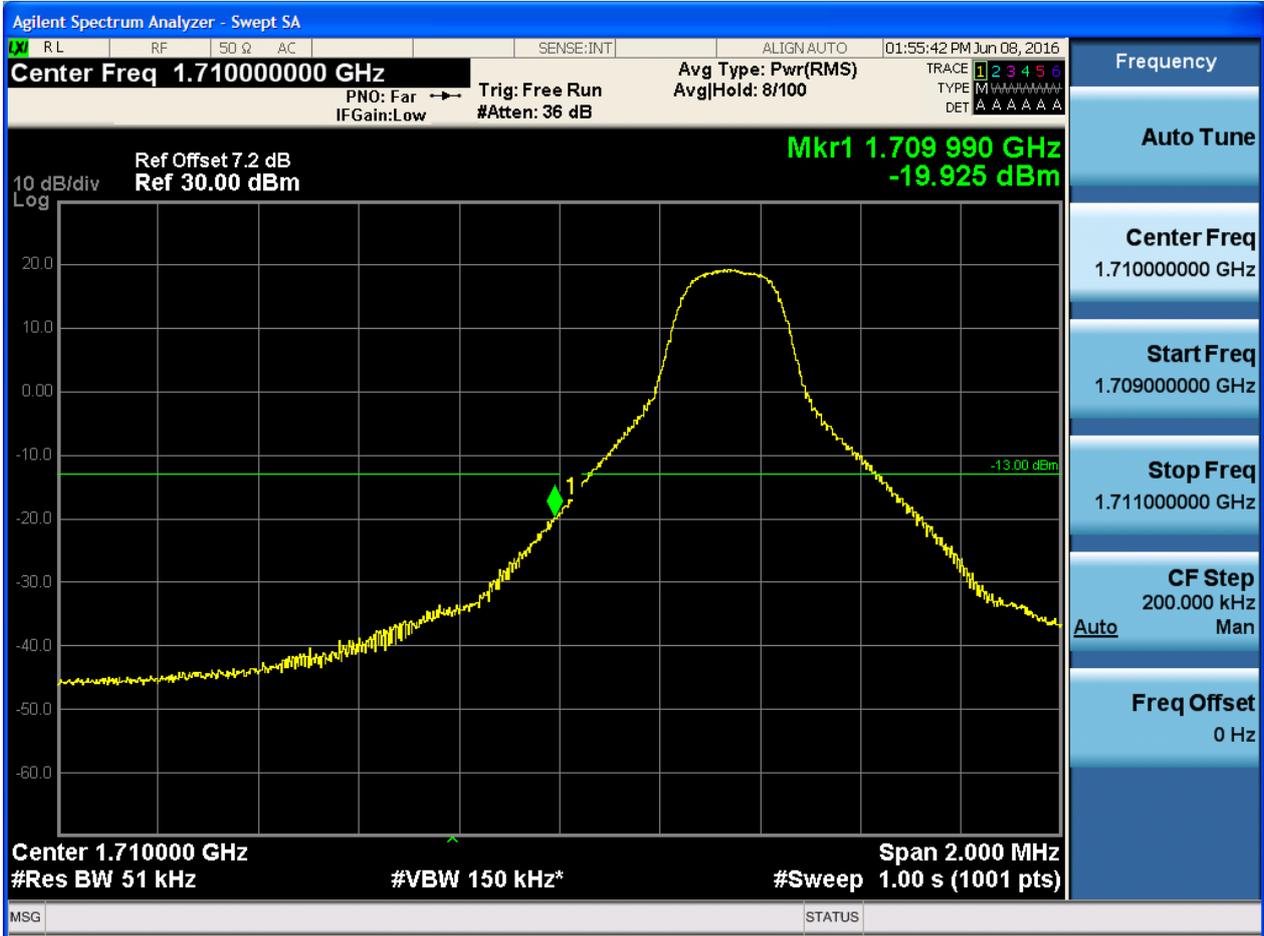
5.1.1.1.3.1.2 Test RB = RB1#24
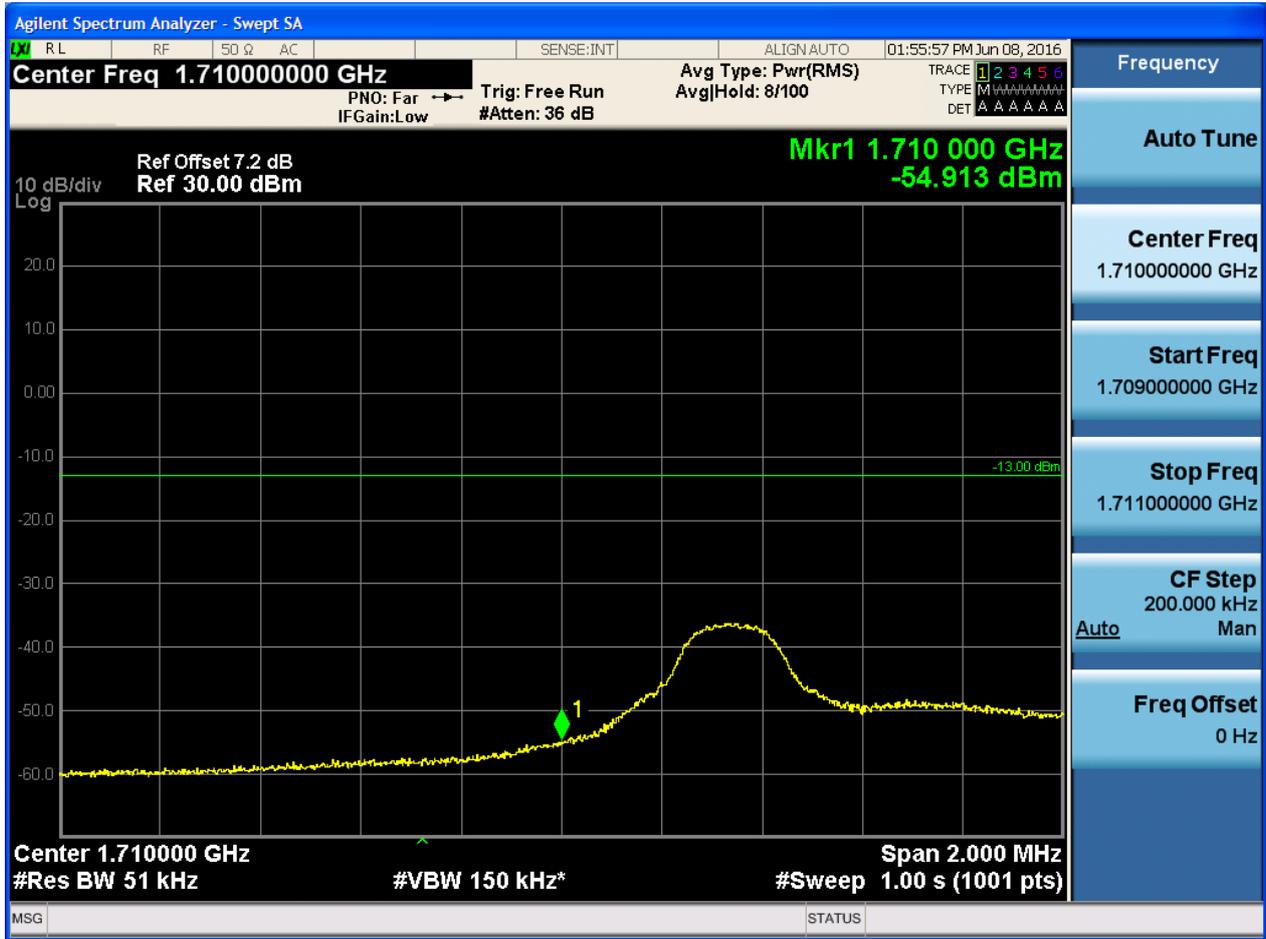
5.1.1.1.3.1.3 Test RB = RB12#6
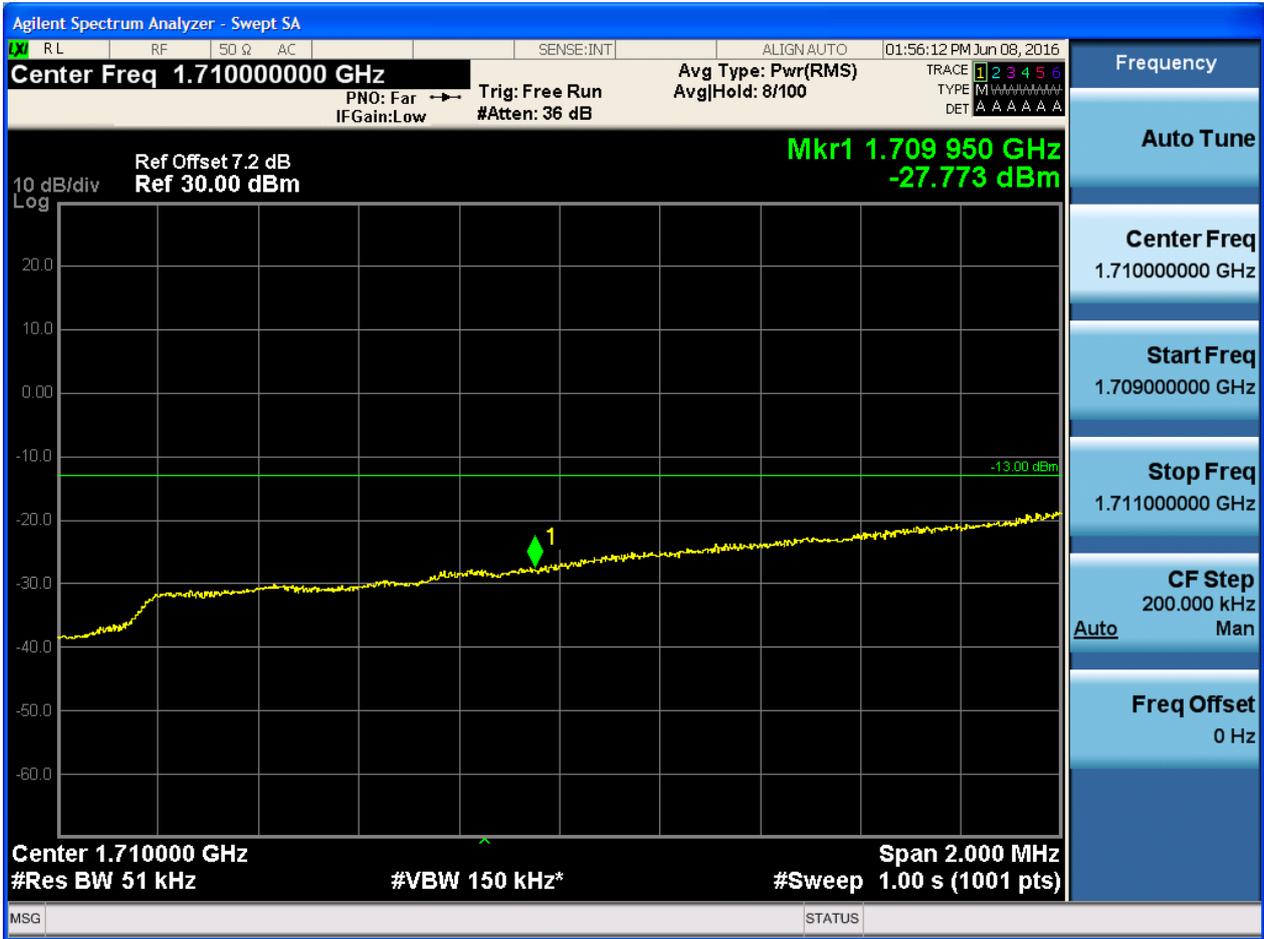
5.1.1.1.3.1.4 Test RB = RB25#0

5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0
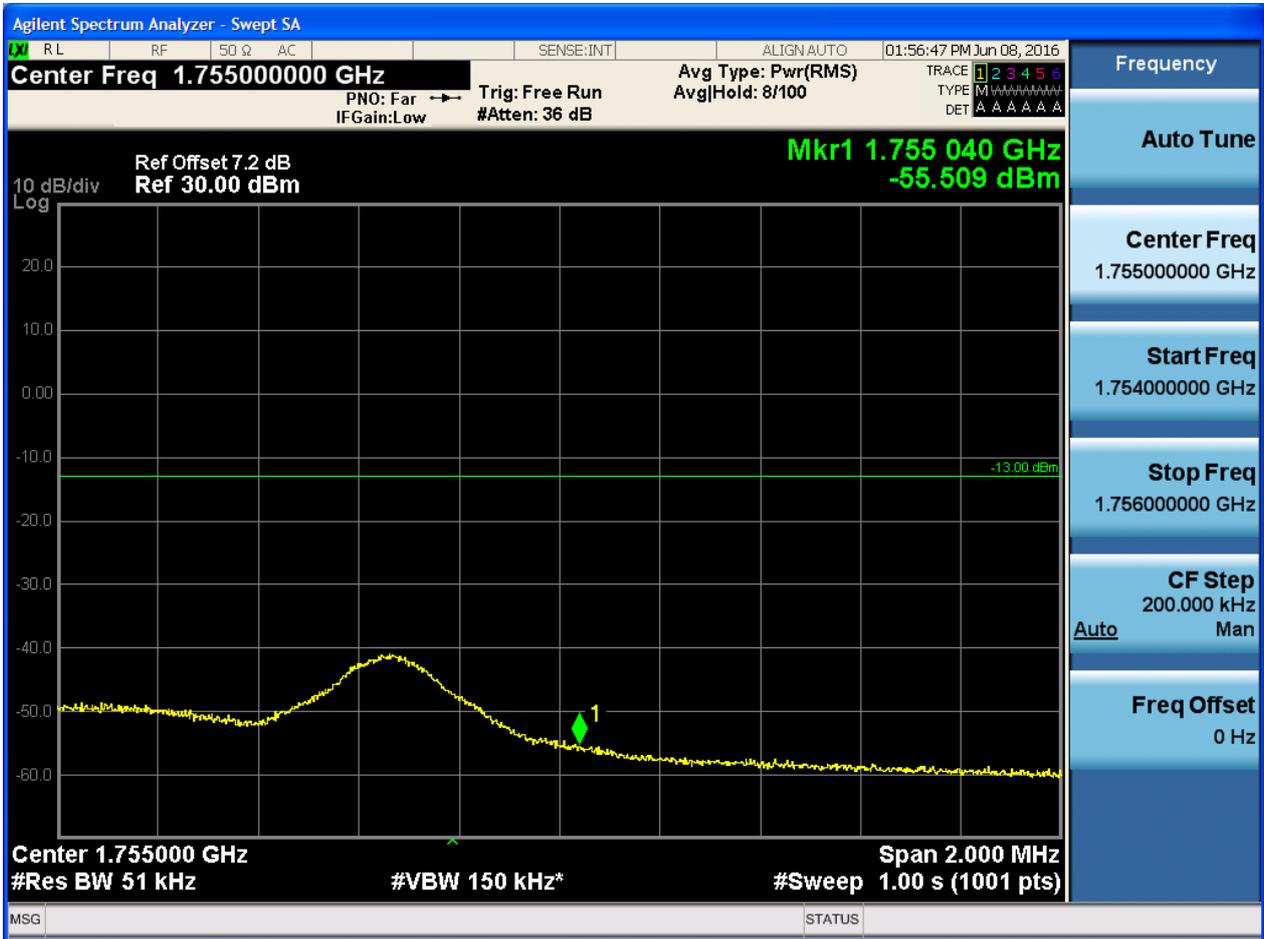
5.1.1.1.3.2.2 Test RB = RB1#24
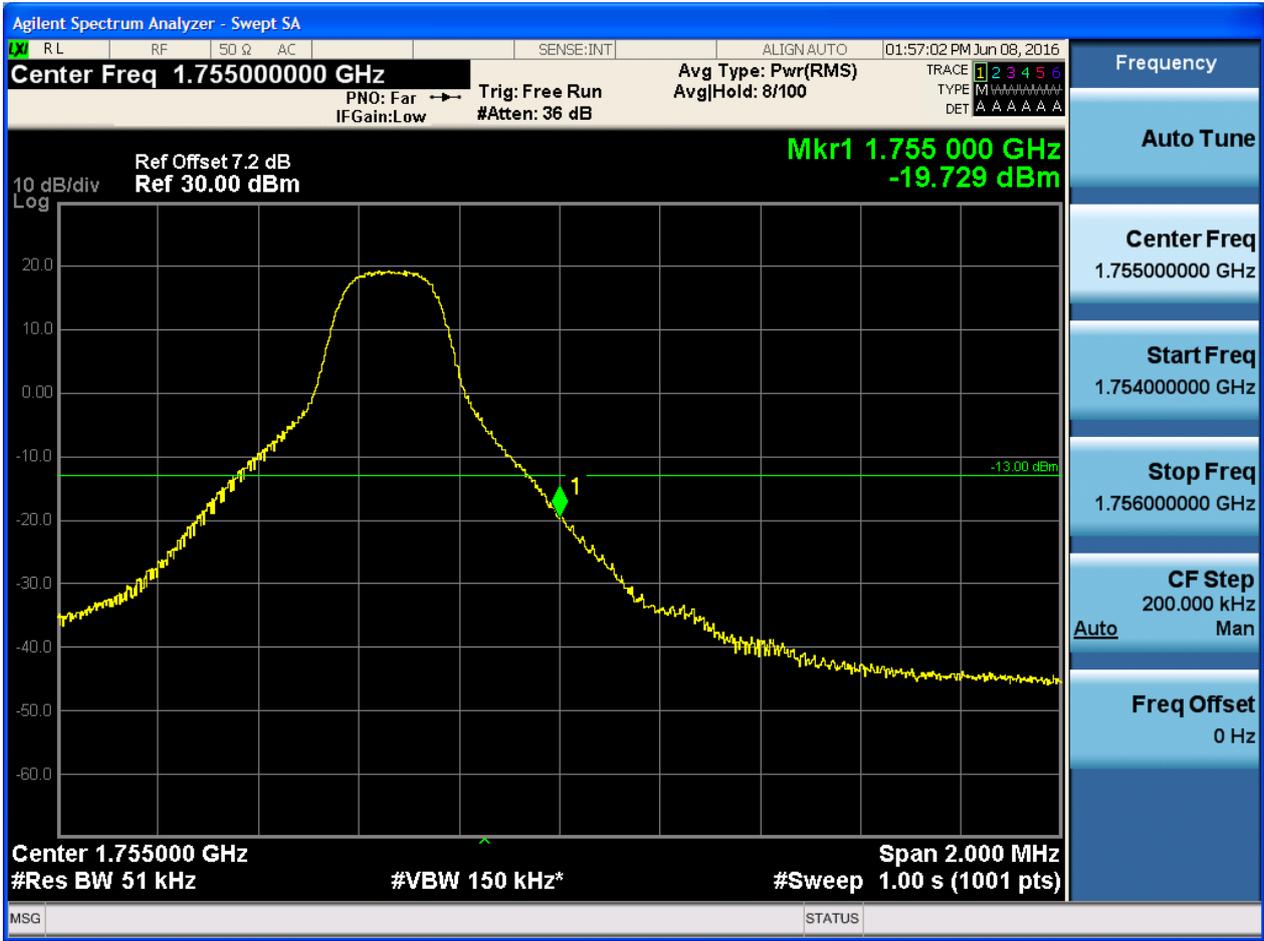
5.1.1.1.3.2.3 Test RB = RB12#6

## 5.1.1.1.3.2.4 Test RB = RB25#0

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0
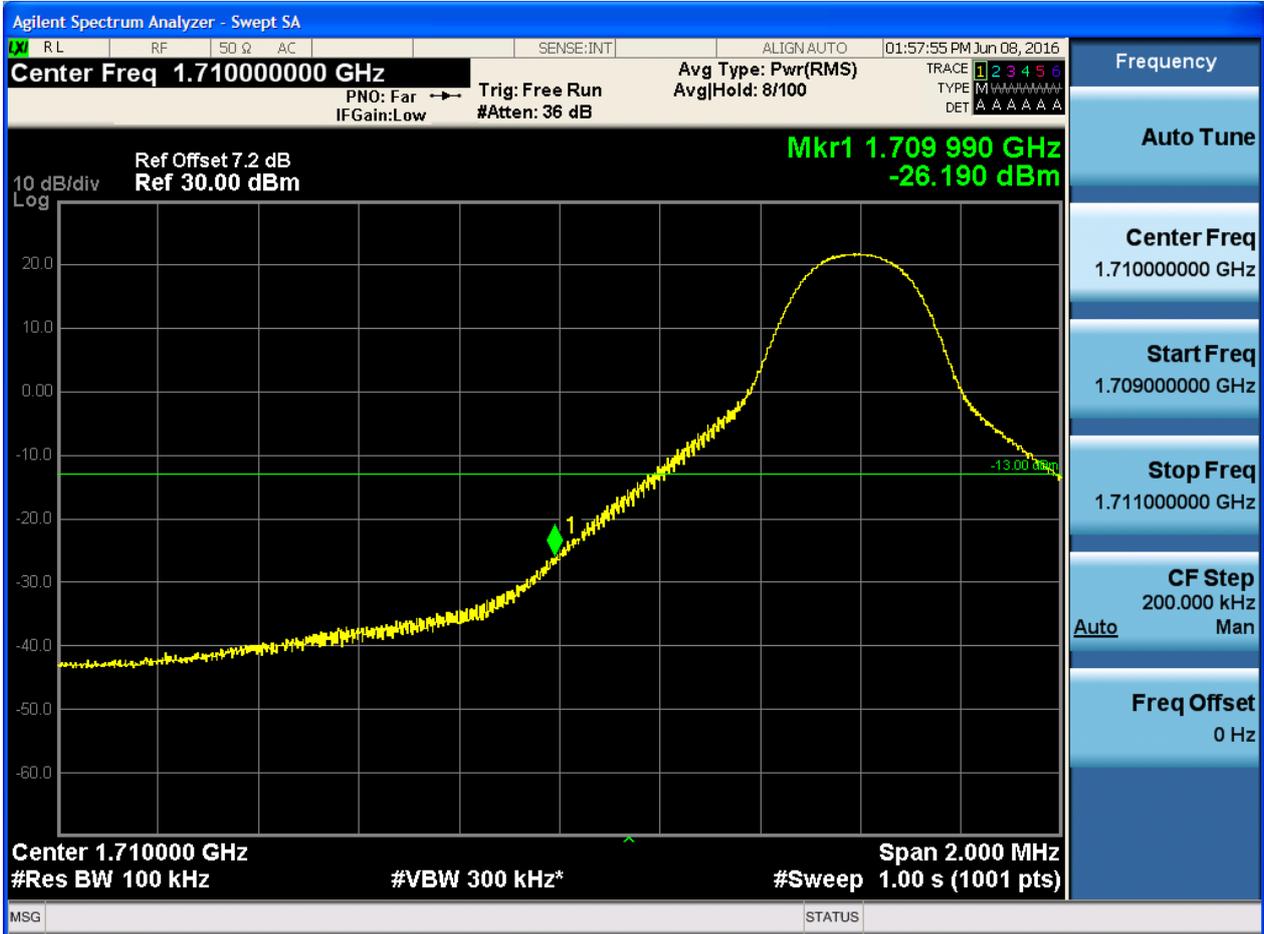
5.1.1.1.4.1.2 Test RB = RB1#49
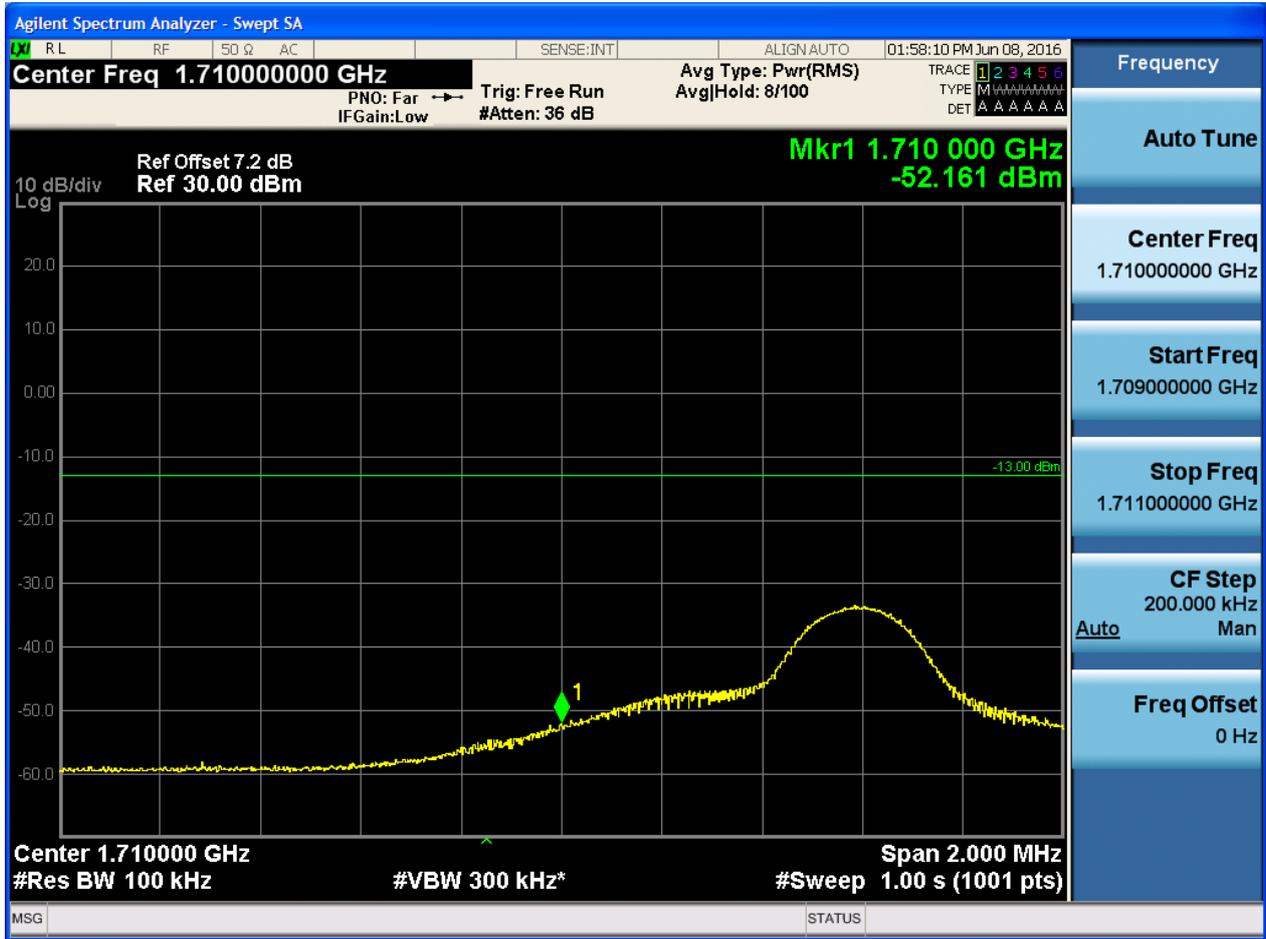
5.1.1.1.4.1.3 Test RB = RB25#13
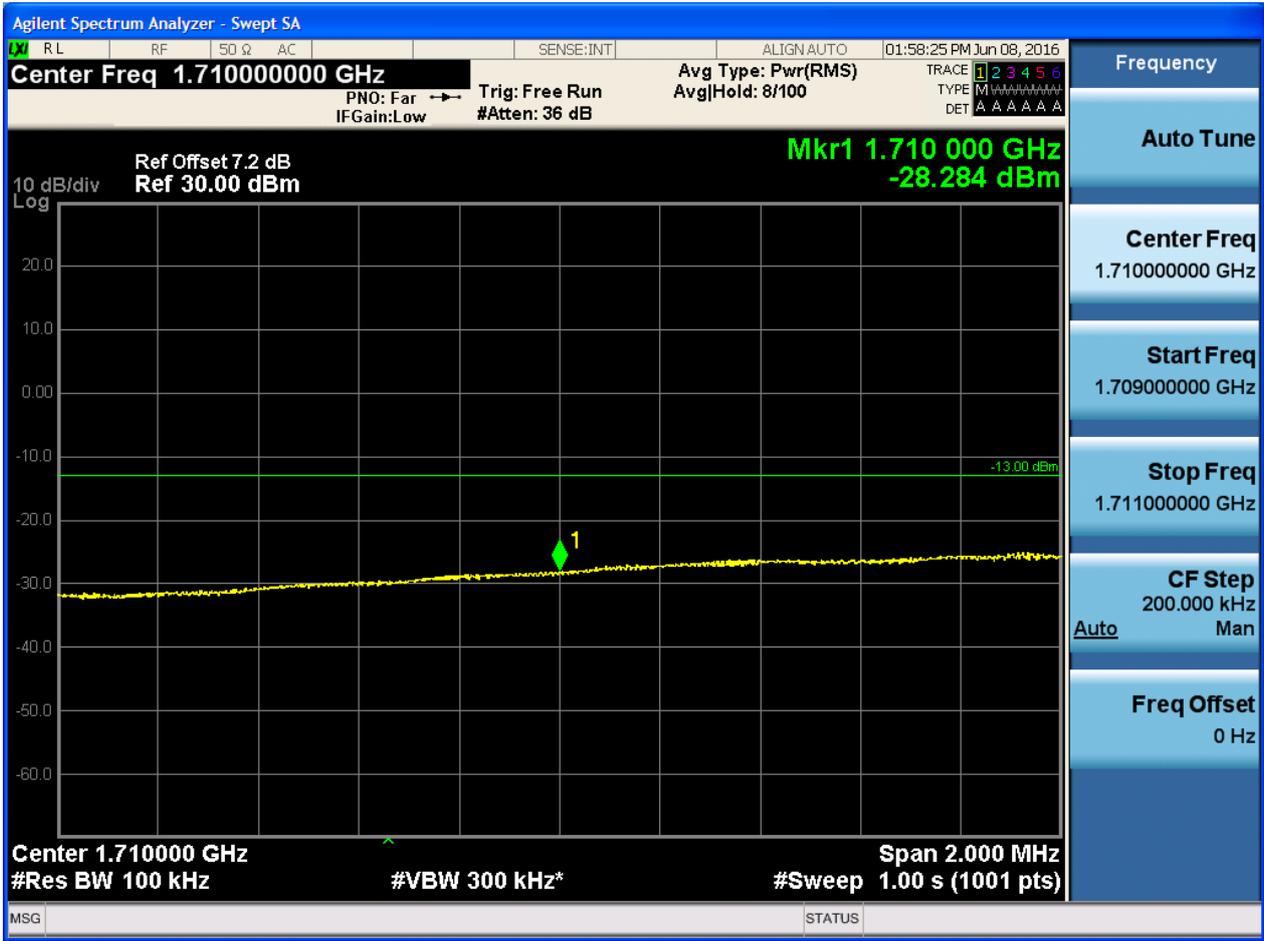
5.1.1.1.4.1.4 Test RB = RB50#0
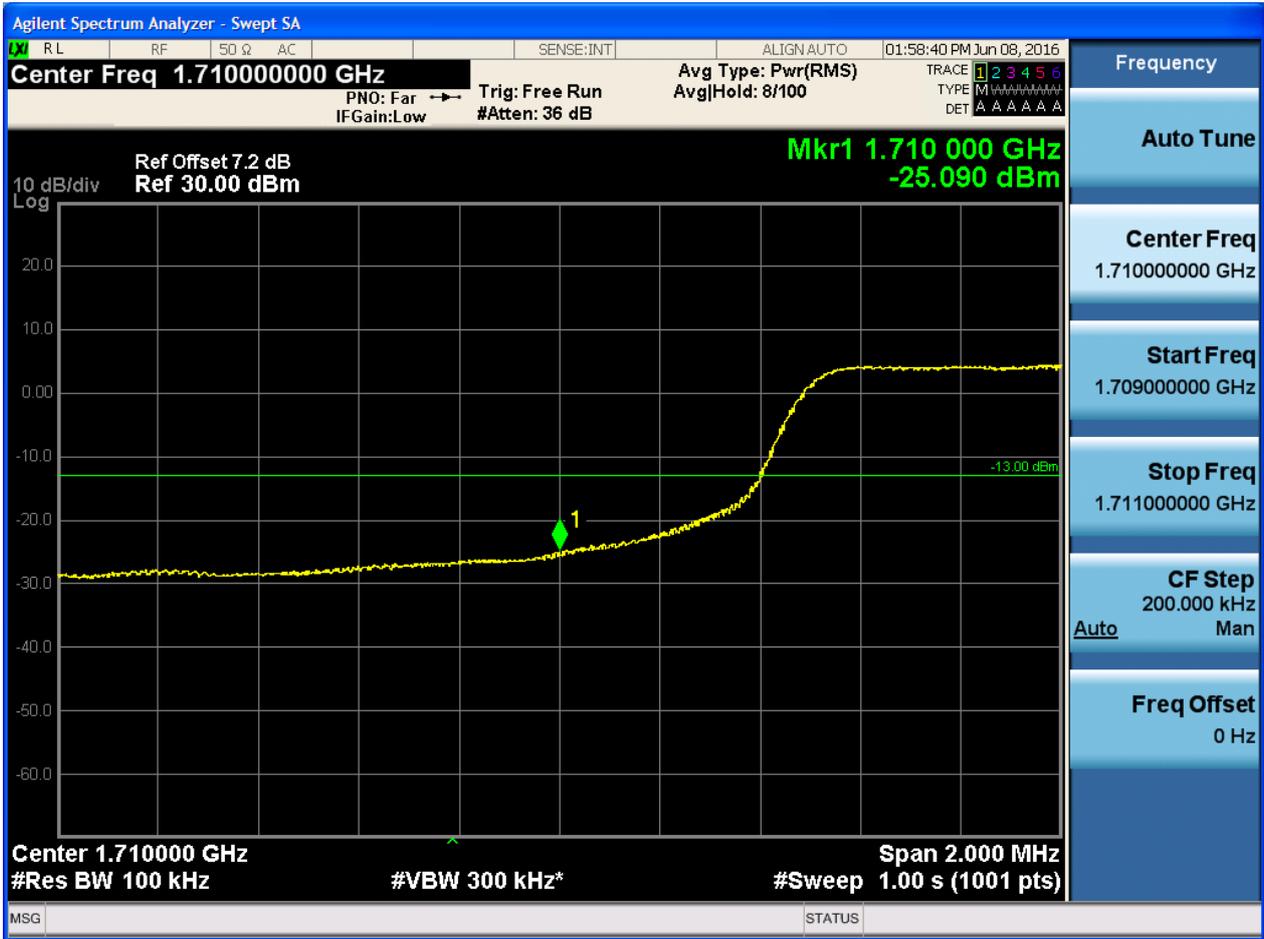
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0
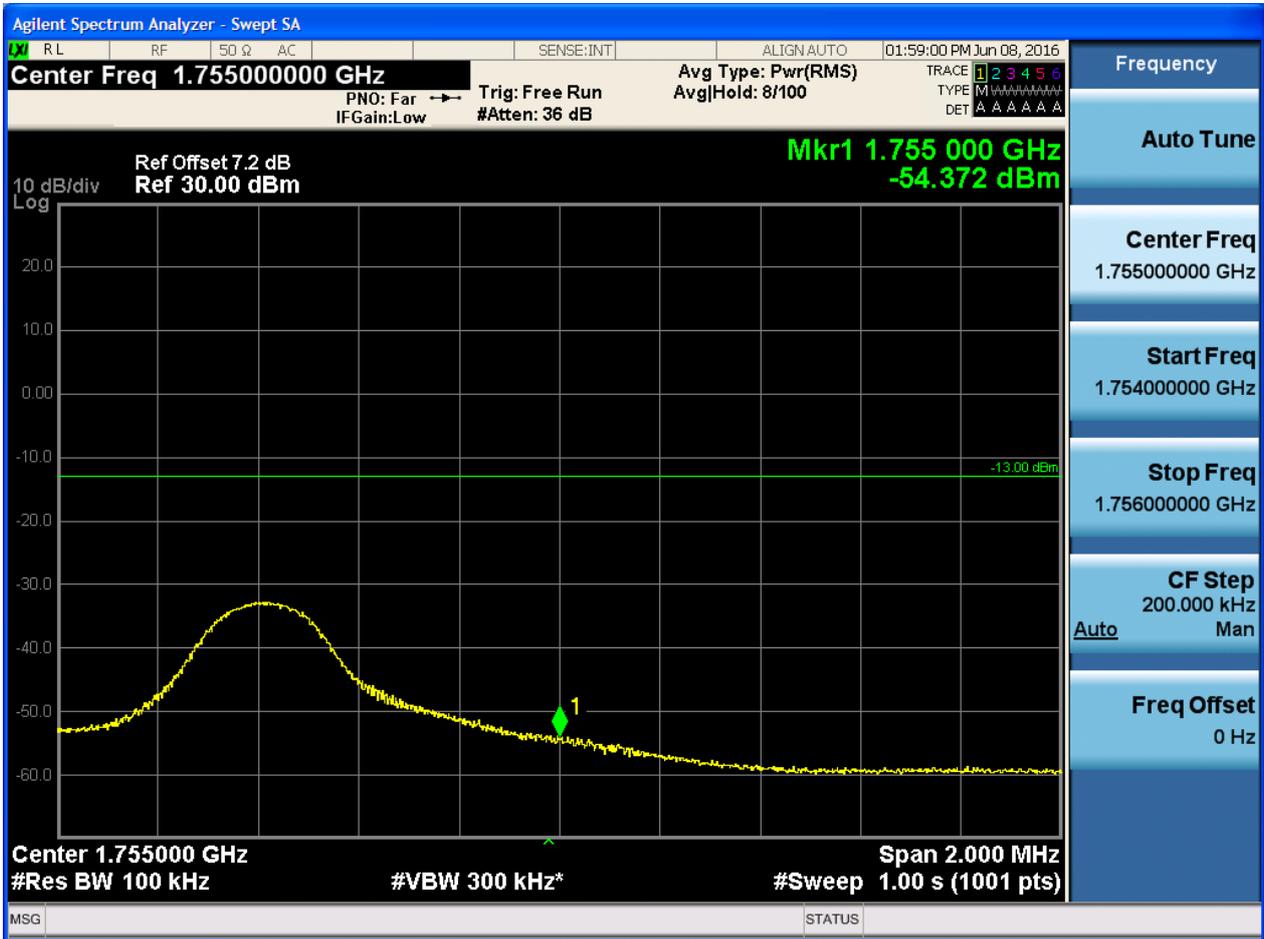
5.1.1.1.4.2.2 Test RB = RB1#49

5.1.1.1.4.2.3 Test RB = RB25#13
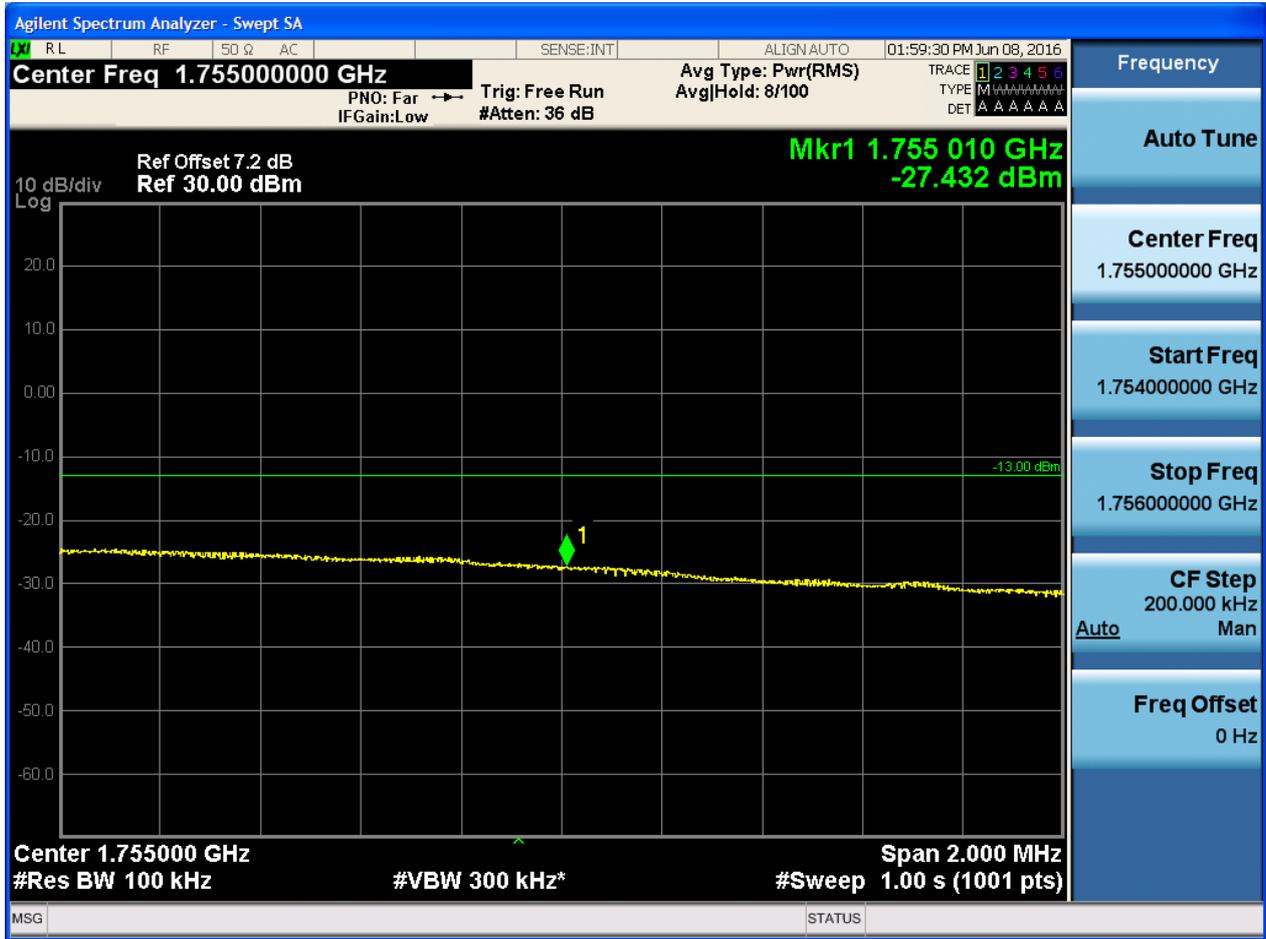
5.1.1.1.4.2.4 Test RB = RB50#0

5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

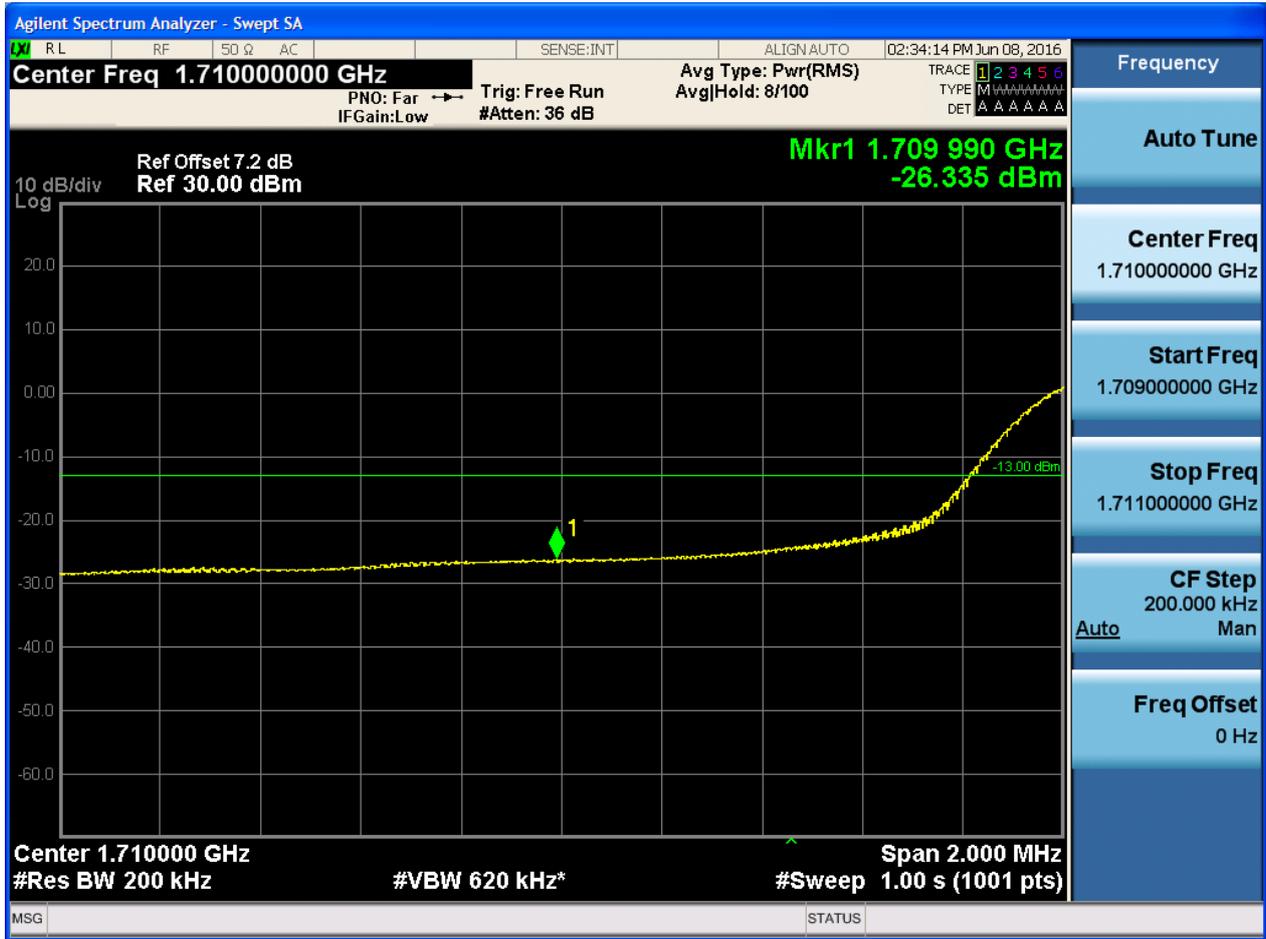#### 5.1.1.1.5.1.1 Test RB = RB1#0

5.1.1.1.5.1.2 Test RB = RB1#74

5.1.1.1.5.1.3 Test RB = RB38#19

5.1.1.1.5.1.4 Test RB = RB75#0

5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0

5.1.1.1.5.2.2 Test RB = RB1#74

5.1.1.1.5.2.3 Test RB = RB38#19

Agilent Spectrum Analyzer - Swept SA

| | | | | | SENSE:INT | ALIGN AUTO | 02:01:41 PM Jun 08, 2016 |
| R L | RF | 50 Ω | AC | | | | |

Center Freq 1.755000000 GHz

PNO: Far
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
Avg|Hold: 8/100

TRACE 1 2 3 4 5 6
TYPE M WWWWWWW
DET A A A A A A

Frequency

Auto Tune

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-27.377 dBm

20.0

10.0

0.00

-10.0 .... -13.00 dBm

-20.0

1

-30.0

-40.0

-50.0

-60.0

Center 1.755000 GHz
#Res BW 150 kHz   #VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG   STATUS

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto   Man

Freq Offset
0 Hz

5.1.1.1.5.2.4 Test RB = RB75#0

5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0
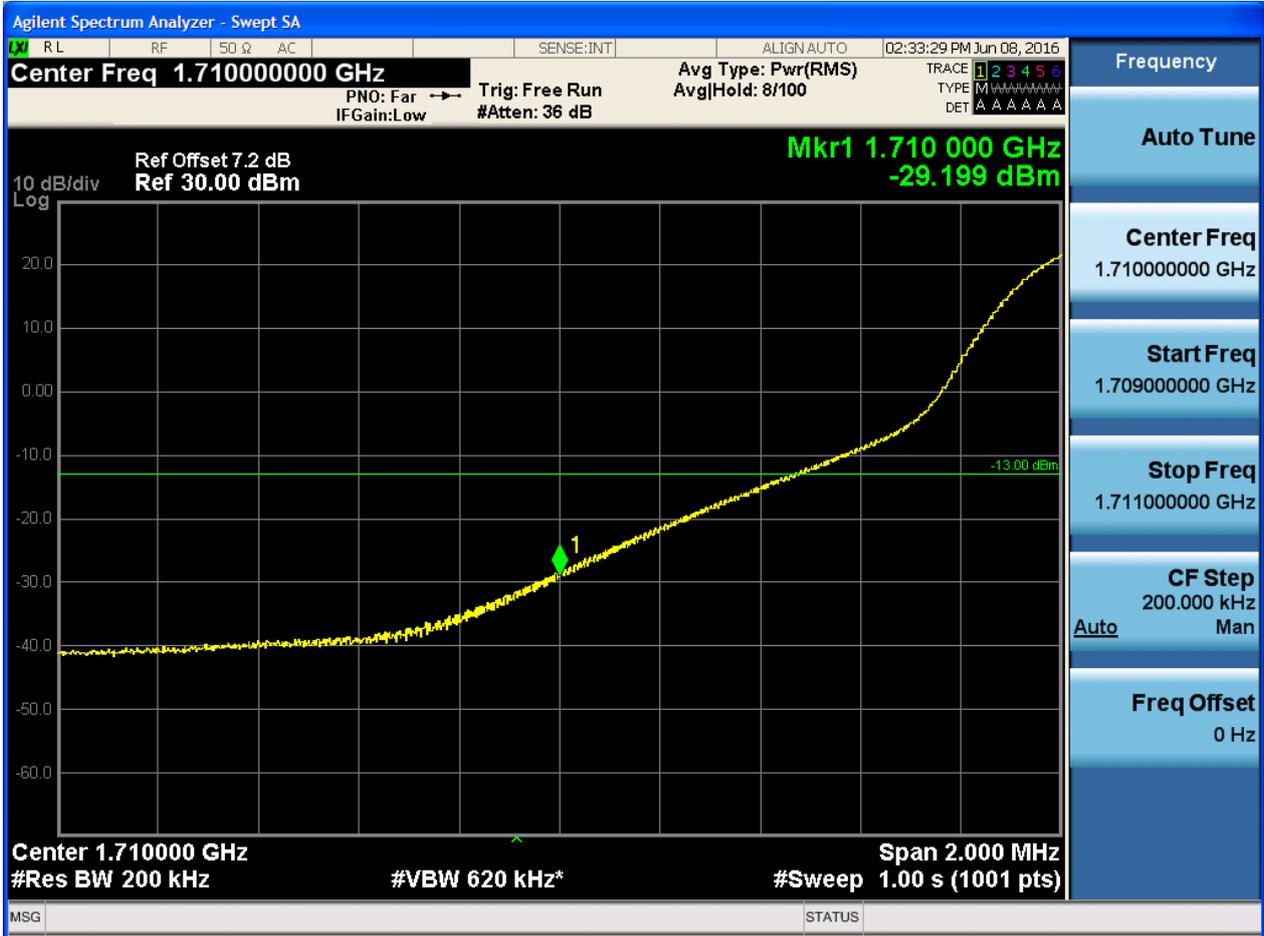
5.1.1.1.6.1.2 Test RB = RB1#99
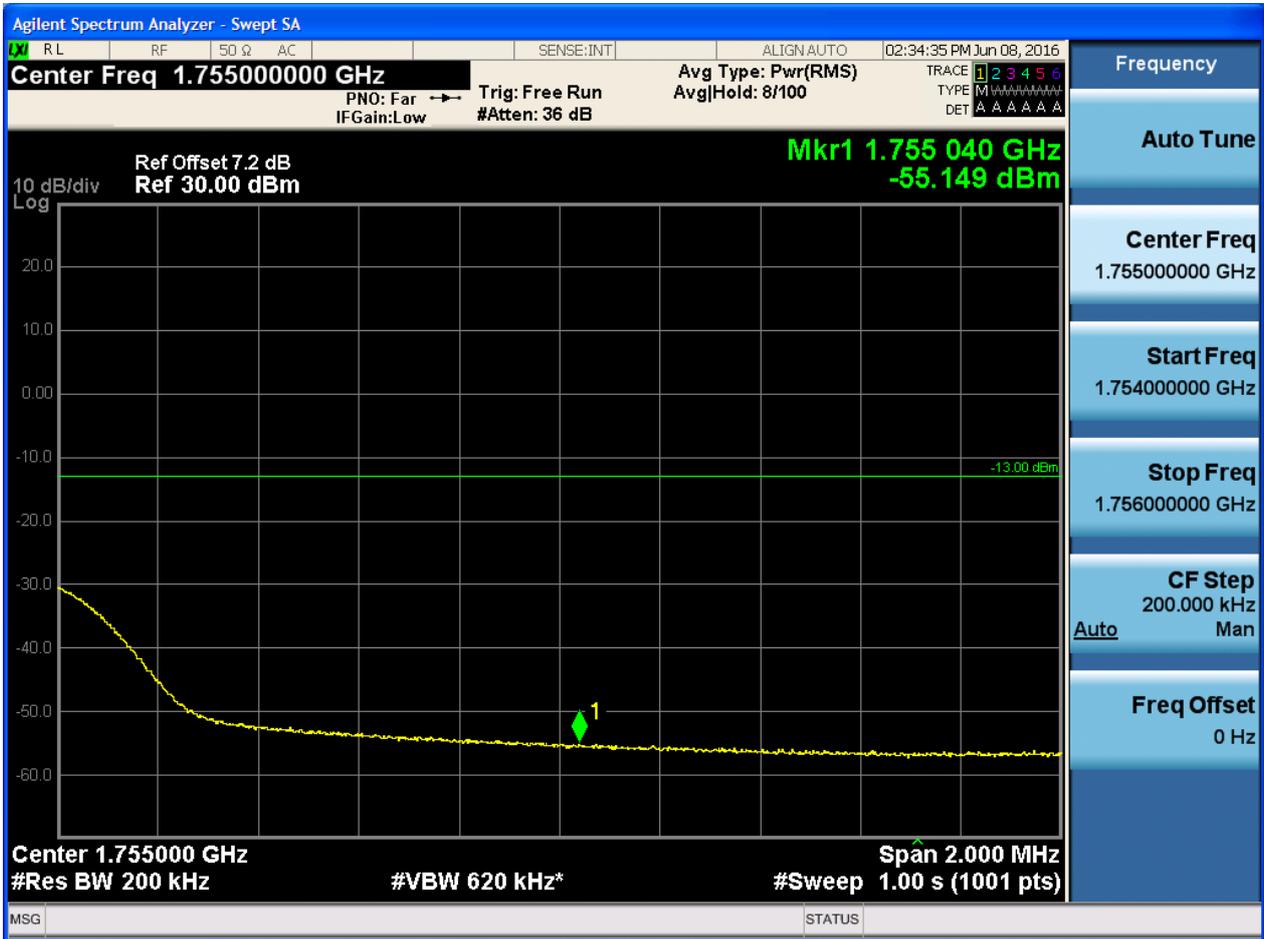
5.1.1.1.6.1.3 Test RB = RB50#25
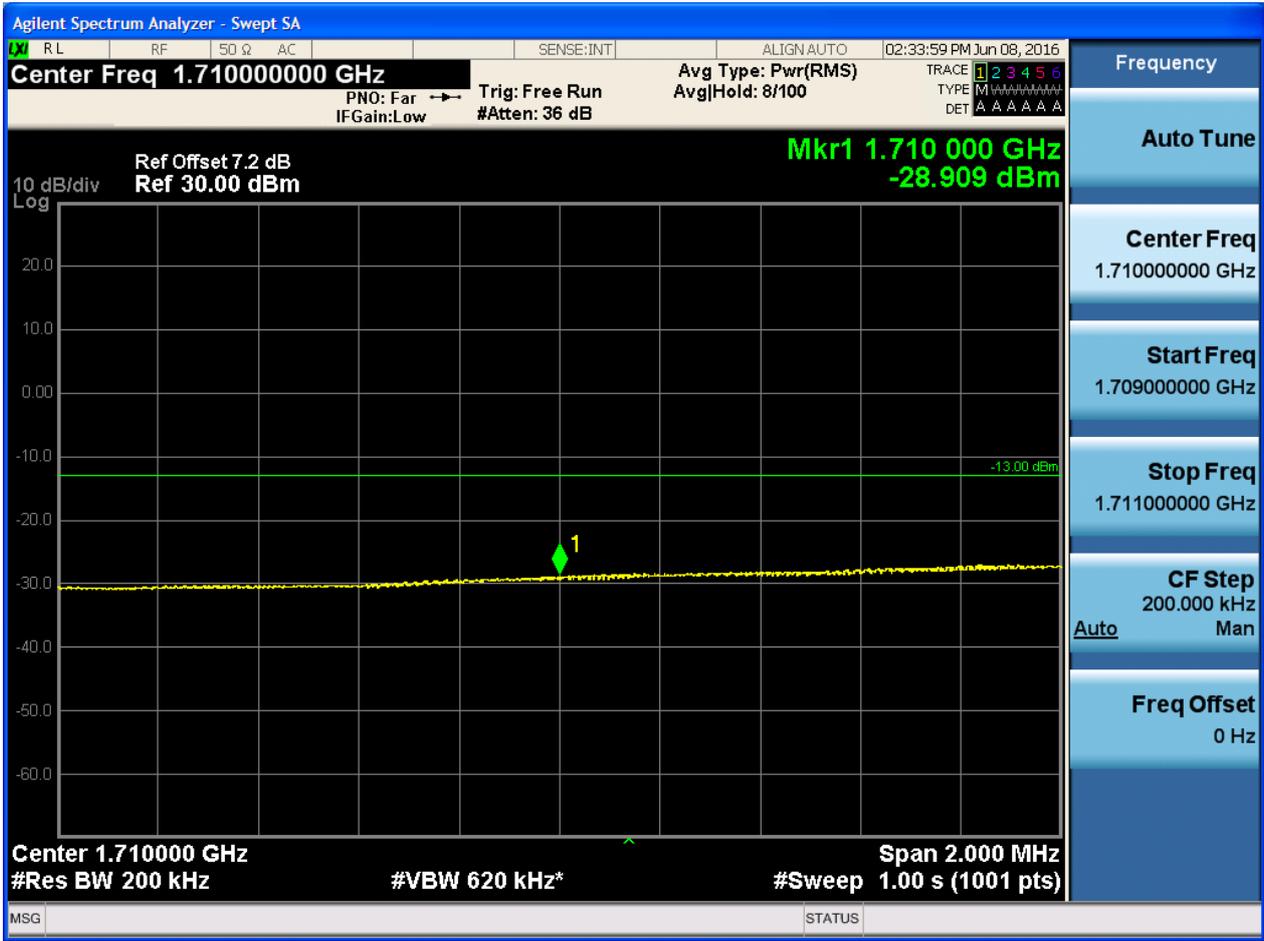
5.1.1.1.6.1.4 Test RB = RB100#0

5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0
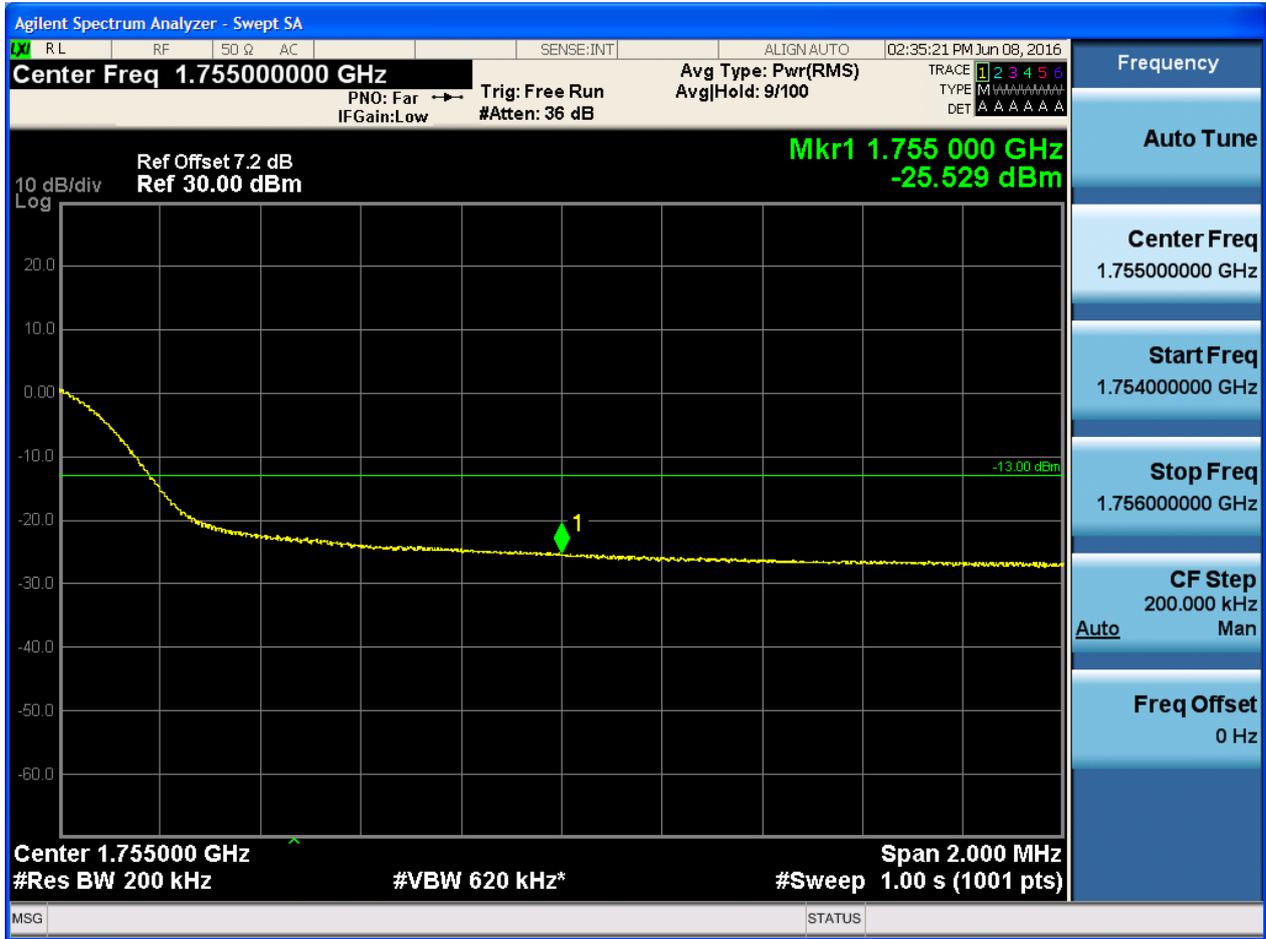
5.1.1.1.6.2.2 Test RB = RB1#99

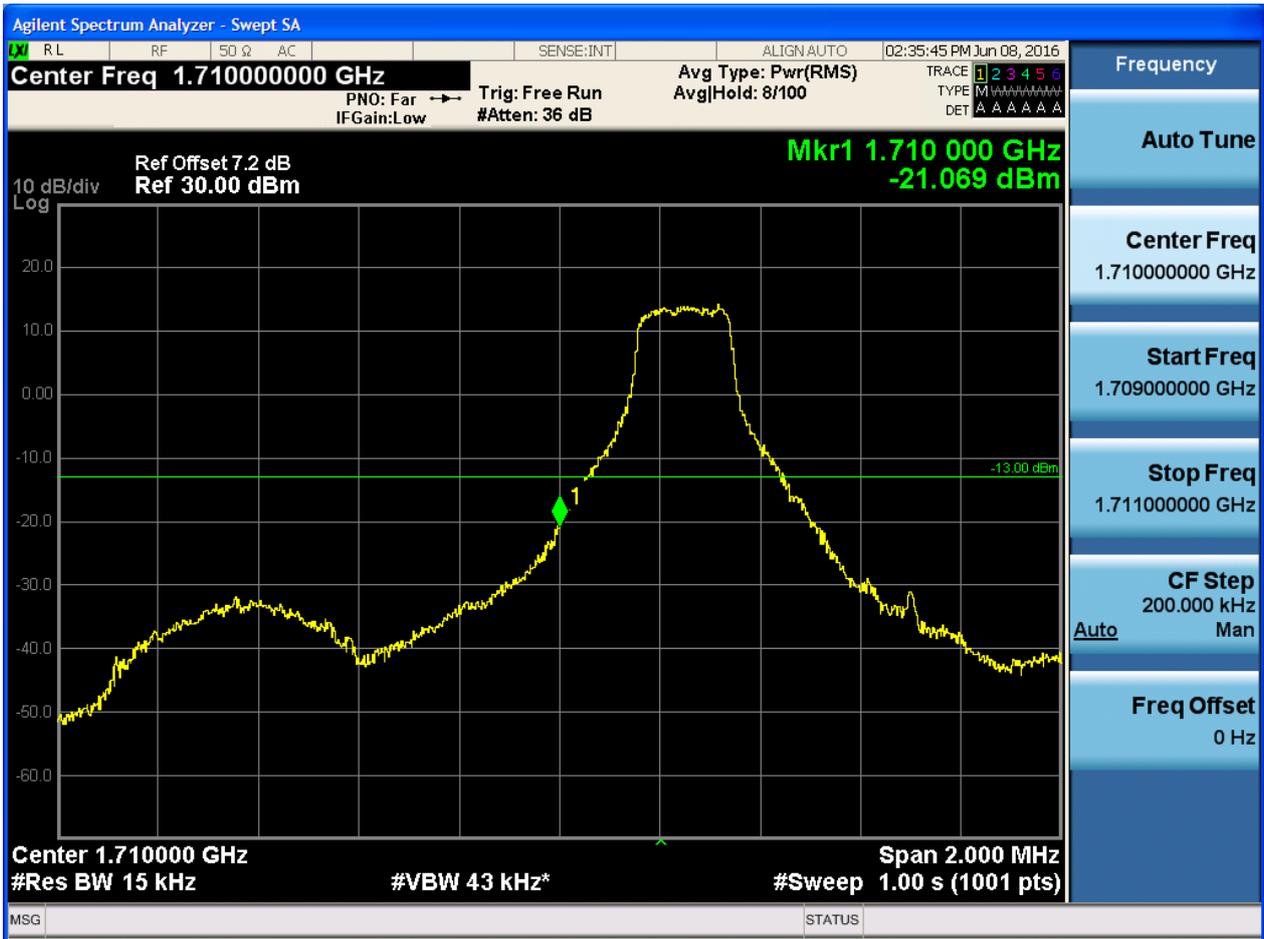## 5.1.1.1.6.2.3 Test RB = RB50#25

5.1.1.1.6.2.4 Test RB = RB100#0

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

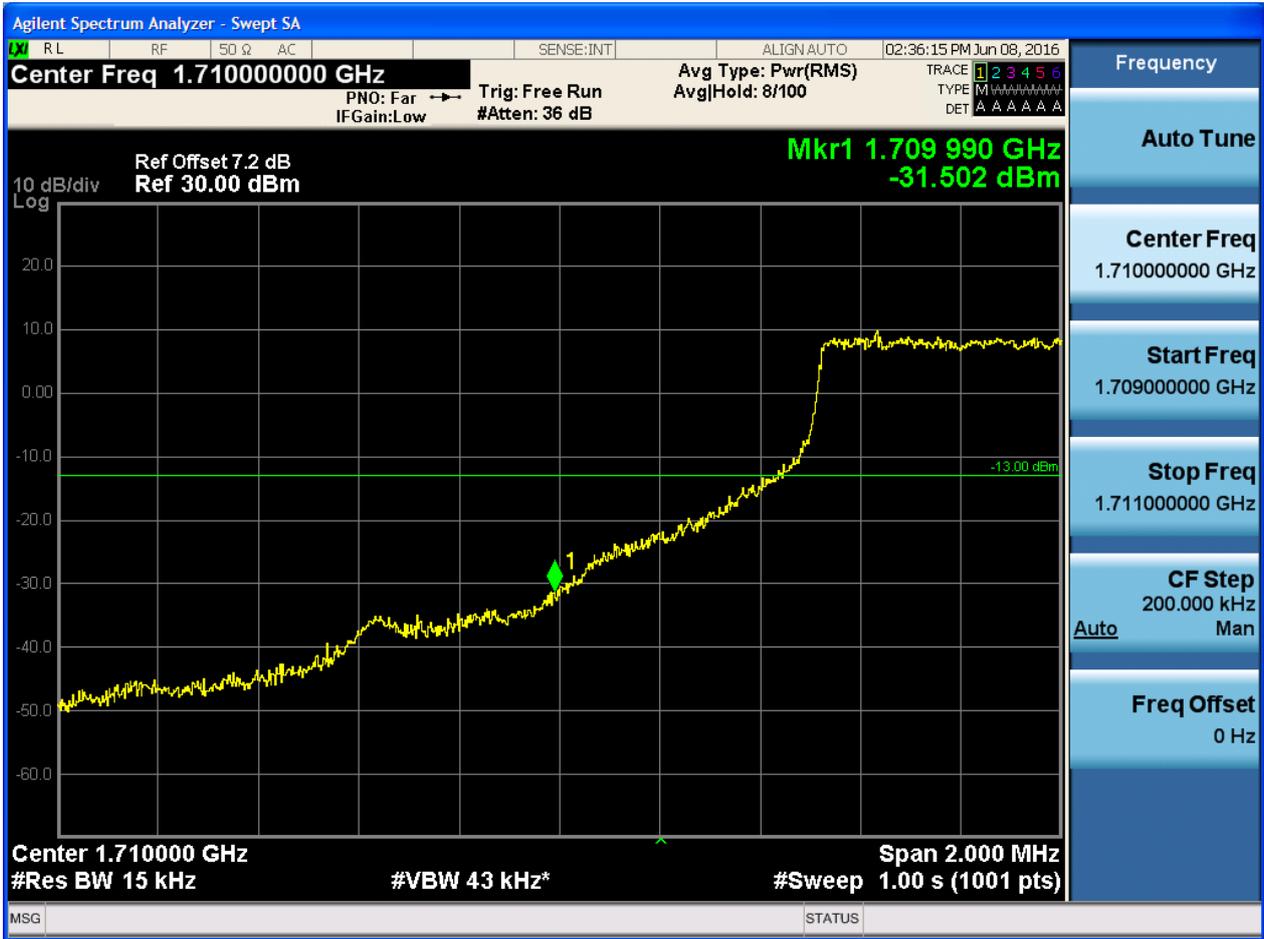### 5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0

5.1.1.2.1.1.2 Test RB = RB1#5

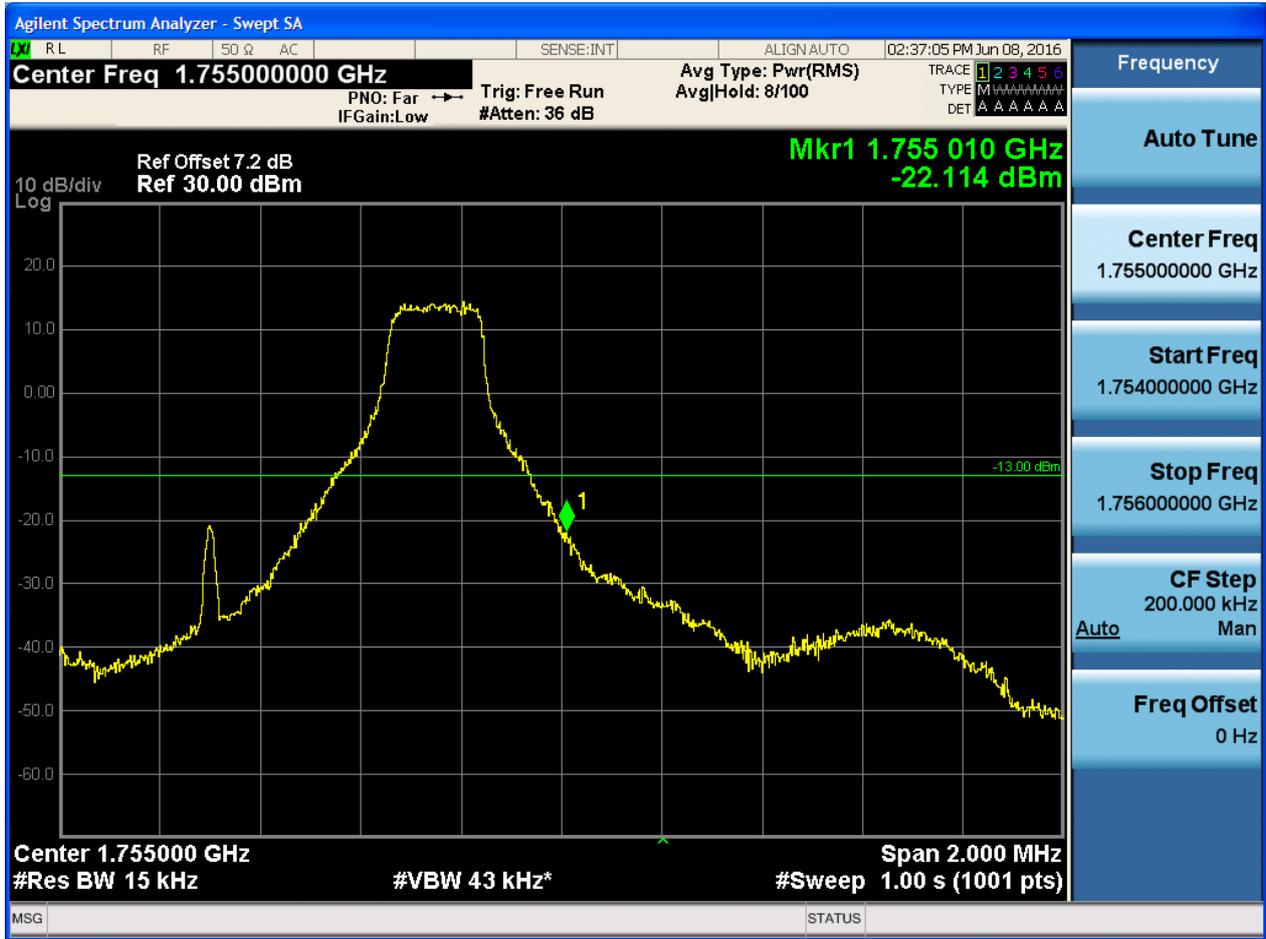## 5.1.1.2.1.1.3 Test RB = RB3#2
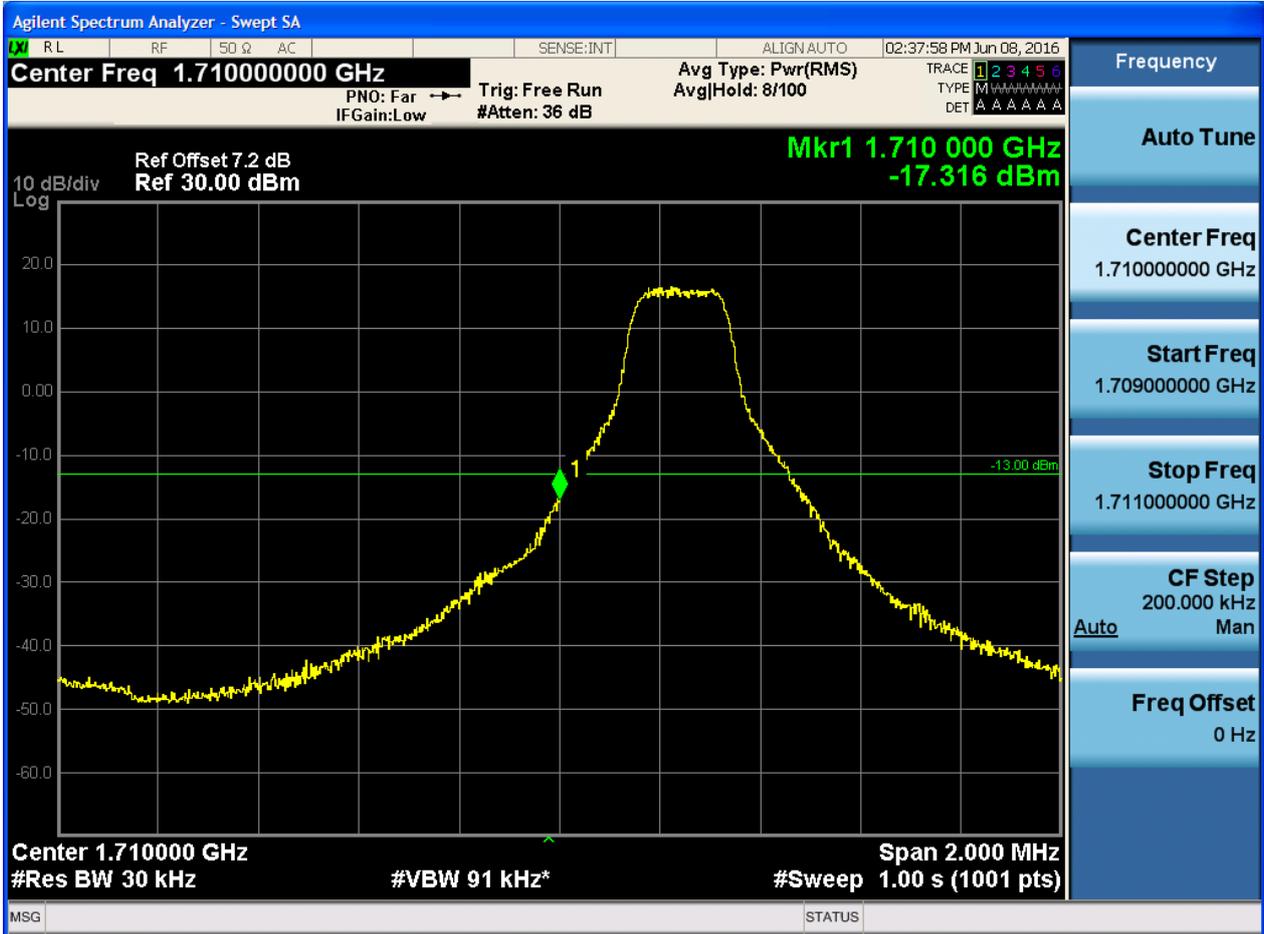
5.1.1.2.1.1.4 Test RB = RB6#0

5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

5.1.1.2.1.2.2 Test RB = RB1#5

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5.1.1.2.1.2.3 Test RB = RB3#2

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5.1.1.2.1.2.4 Test RB = RB6#0
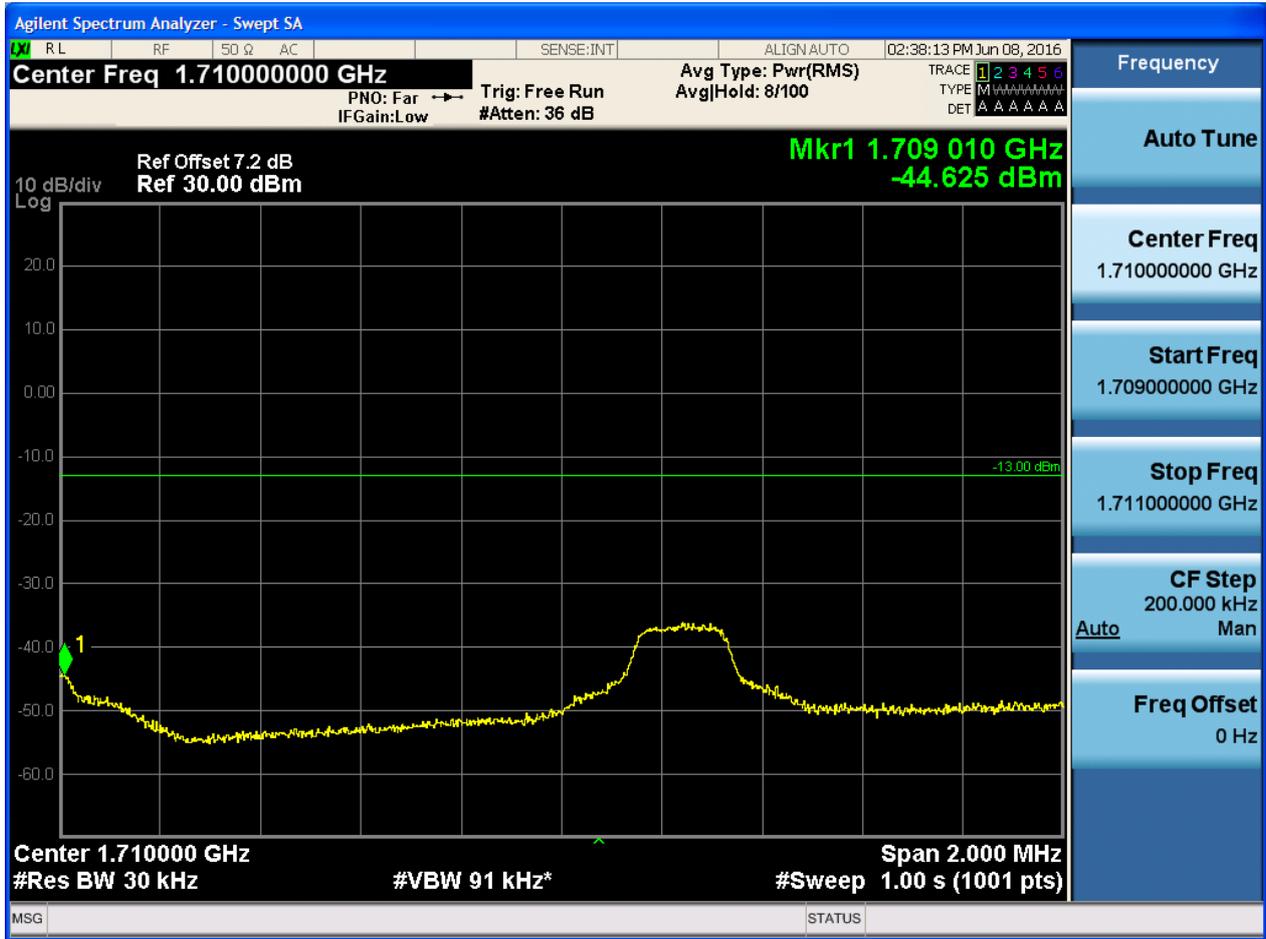
5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0

5.1.1.2.2.1.2 Test RB = RB1#14

5.1.1.2.2.1.3 Test RB = RB8#4