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	22	21.55	30	PASS
				RB1#3	21.96	21.51	30	PASS
				RB1#5	21.99	21.54	30	PASS
				RB3#0	22.02	21.57	30	PASS
				RB3#2	22.02	21.57	30	PASS
				RB3#3	22.02	21.57	30	PASS
				RB6#0	20.92	20.47	30	PASS
			MCH	RB1#0	21.81	21.36	30	PASS
				RB1#3	21.87	21.42	30	PASS
				RB1#5	21.81	21.36	30	PASS
				RB3#0	21.9	21.45	30	PASS
				RB3#2	21.9	21.45	30	PASS
				RB3#3	21.9	21.45	30	PASS
				RB6#0	20.84	20.39	30	PASS
			HCH	RB1#0	21.65	21.2	30	PASS
				RB1#3	21.64	21.19	30	PASS
				RB1#5	21.62	21.17	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.67	21.22	30	PASS
				RB3#2	21.66	21.21	30	PASS
				RB3#3	21.64	21.19	30	PASS
				RB6#0	20.6	20.15	30	PASS
			LCH	RB1#0	21.89	21.44	30	PASS
				RB1#7	21.95	21.5	30	PASS
				RB1#14	21.89	21.44	30	PASS
				RB8#0	21	20.55	30	PASS
				RB8#4	21	20.55	30	PASS
				RB8#7	20.98	20.53	30	PASS
		3		RB15#0	20.97	20.52	30	PASS
			MCH	RB1#0	21.81	21.36	30	PASS
				RB1#7	21.84	21.39	30	PASS
				RB1#14	21.79	21.34	30	PASS
				RB8#0	20.88	20.43	30	PASS
				RB8#4	20.89	20.44	30	PASS
				RB8#7	20.87	20.42	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.83	20.38	30	PASS
			HCH	RB1#0	21.69	21.24	30	PASS
				RB1#7	21.7	21.25	30	PASS
				RB1#14	21.6	21.15	30	PASS
				RB8#0	20.7	20.25	30	PASS
				RB8#4	20.66	20.21	30	PASS
				RB8#7	20.64	20.19	30	PASS
				RB15#0	20.62	20.17	30	PASS
		5	LCH	RB1#0	22.11	21.66	30	PASS
				RB1#13	22.05	21.6	30	PASS
				RB1#24	21.98	21.53	30	PASS
				RB12#0	21.01	20.56	30	PASS
				RB12#6	20.99	20.54	30	PASS
				RB12#13	20.96	20.51	30	PASS
				RB25#0	20.95	20.5	30	PASS
			MCH	RB1#0	21.96	21.51	30	PASS
				RB1#13	21.95	21.5	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.93	21.48	30	PASS
				RB12#0	20.88	20.43	30	PASS
				RB12#6	20.89	20.44	30	PASS
				RB12#13	20.91	20.46	30	PASS
				RB25#0	20.85	20.4	30	PASS
				RB1#0	21.8	21.35	30	PASS
				RB1#13	21.73	21.28	30	PASS
				RB1#24	21.61	21.16	30	PASS
			HCH	RB12#0	20.75	20.3	30	PASS
				RB12#6	20.7	20.25	30	PASS
				RB12#13	20.66	20.21	30	PASS
				RB25#0	20.66	20.21	30	PASS
				RB1#0	22.01	21.56	30	PASS
				RB1#25	21.94	21.49	30	PASS
		10	LCH	RB1#49	21.89	21.44	30	PASS
				RB25#0	20.97	20.52	30	PASS
				RB25#13	20.95	20.5	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.92	20.47	30	PASS
				RB50#0	20.95	20.5	30	PASS
				RB1#0	21.88	21.43	30	PASS
				RB1#25	21.86	21.41	30	PASS
				RB1#49	21.92	21.47	30	PASS
			MCH	RB25#0	20.85	20.4	30	PASS
				RB25#13	20.83	20.38	30	PASS
				RB25#25	20.86	20.41	30	PASS
				RB50#0	20.84	20.39	30	PASS
				RB1#0	21.97	21.52	30	PASS
				RB1#25	21.85	21.4	30	PASS
				RB1#49	21.66	21.21	30	PASS
			HCH	RB25#0	20.81	20.36	30	PASS
				RB25#13	20.75	20.3	30	PASS
				RB25#25	20.69	20.24	30	PASS
				RB50#0	20.75	20.3	30	PASS
		15	LCH	RB1#0	22.06	21.61	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.92	21.47	30	PASS
				RB1#74	21.95	21.5	30	PASS
				RB38#0	21	20.55	30	PASS
				RB38#19	20.94	20.49	30	PASS
				RB38#39	20.93	20.48	30	PASS
				RB75#0	20.98	20.53	30	PASS
			MCH	RB1#0	21.96	21.51	30	PASS
				RB1#38	21.96	21.51	30	PASS
				RB1#74	22.04	21.59	30	PASS
				RB38#0	20.9	20.45	30	PASS
				RB38#19	20.94	20.49	30	PASS
				RB38#39	20.95	20.5	30	PASS
				RB75#0	20.94	20.49	30	PASS
			HCH	RB1#0	22.03	21.58	30	PASS
				RB1#38	21.94	21.49	30	PASS
				RB1#74	21.72	21.27	30	PASS
				RB38#0	20.95	20.5	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	20.88	20.43	30	PASS
				RB38#39	20.78	20.33	30	PASS
				RB75#0	20.88	20.43	30	PASS
			LCH	RB1#0	22.13	21.68	30	PASS
				RB1#50	21.98	21.53	30	PASS
				RB1#99	22	21.55	30	PASS
				RB50#0	20.98	20.53	30	PASS
				RB50#25	20.92	20.47	30	PASS
				RB50#50	20.95	20.5	30	PASS
		20		RB100#0	20.94	20.49	30	PASS
			MCH	RB1#0	21.97	21.52	30	PASS
				RB1#50	21.95	21.5	30	PASS
				RB1#99	22.05	21.6	30	PASS
				RB50#0	20.89	20.44	30	PASS
				RB50#25	20.88	20.43	30	PASS
				RB50#50	20.91	20.46	30	PASS
				RB100#0	20.9	20.45	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.99	21.54	30	PASS
				RB1#50	21.94	21.49	30	PASS
				RB1#99	21.73	21.28	30	PASS
				RB50#0	20.92	20.47	30	PASS
				RB50#25	20.89	20.44	30	PASS
				RB50#50	20.82	20.37	30	PASS
				RB100#0	20.88	20.43	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.27	20.82	30	PASS
				RB1#3	21.33	20.88	30	PASS
				RB1#5	21.29	20.84	30	PASS
				RB3#0	21.17	20.72	30	PASS
				RB3#2	21.16	20.71	30	PASS
				RB3#3	21.19	20.74	30	PASS
				RB6#0	20.06	19.61	30	PASS
			MCH	RB1#0	21.03	20.58	30	PASS
				RB1#3	21.06	20.61	30	PASS
				RB1#5	21.03	20.58	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	20.94	20.49	30	PASS
				RB3#2	20.96	20.51	30	PASS
				RB3#3	20.96	20.51	30	PASS
				RB6#0	19.84	19.39	30	PASS
			HCH	RB1#0	20.68	20.23	30	PASS
				RB1#3	20.74	20.29	30	PASS
				RB1#5	20.66	20.21	30	PASS
				RB3#0	20.57	20.12	30	PASS
				RB3#2	20.55	20.1	30	PASS
				RB3#3	20.55	20.1	30	PASS
				RB6#0	19.54	19.09	30	PASS
		3	LCH	RB1#0	21.29	20.84	30	PASS
				RB1#7	21.34	20.89	30	PASS
				RB1#14	21.26	20.81	30	PASS
				RB8#0	20.12	19.67	30	PASS
				RB8#4	20.11	19.66	30	PASS
				RB8#7	20.13	19.68	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.02	19.57	30	PASS
			MCH	RB1#0	21.02	20.57	30	PASS
				RB1#7	21.04	20.59	30	PASS
				RB1#14	20.99	20.54	30	PASS
				RB8#0	19.97	19.52	30	PASS
				RB8#4	19.98	19.53	30	PASS
				RB8#7	19.97	19.52	30	PASS
				RB15#0	19.91	19.46	30	PASS
			HCH	RB1#0	20.75	20.3	30	PASS
				RB1#7	20.73	20.28	30	PASS
				RB1#14	20.65	20.2	30	PASS
				RB8#0	19.76	19.31	30	PASS
				RB8#4	19.75	19.3	30	PASS
				RB8#7	19.71	19.26	30	PASS
				RB15#0	19.64	19.19	30	PASS
		5	LCH	RB1#0	21.23	20.78	30	PASS
				RB1#13	21.21	20.76	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.16	20.71	30	PASS
				RB12#0	20.04	19.59	30	PASS
				RB12#6	20.01	19.56	30	PASS
				RB12#13	20	19.55	30	PASS
				RB25#0	19.93	19.48	30	PASS
			MCH	RB1#0	20.95	20.5	30	PASS
				RB1#13	20.93	20.48	30	PASS
				RB1#24	20.91	20.46	30	PASS
				RB12#0	19.86	19.41	30	PASS
				RB12#6	19.86	19.41	30	PASS
				RB12#13	19.86	19.41	30	PASS
				RB25#0	19.88	19.43	30	PASS
			HCH	RB1#0	21.34	20.89	30	PASS
				RB1#13	21.24	20.79	30	PASS
				RB1#24	21.1	20.65	30	PASS
				RB12#0	19.77	19.32	30	PASS
				RB12#6	19.72	19.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	19.72	19.27	30	PASS
				RB25#0	19.68	19.23	30	PASS
		10	LCH	RB1#0	21.41	20.96	30	PASS
				RB1#25	21.34	20.89	30	PASS
				RB1#49	21.27	20.82	30	PASS
				RB25#0	19.98	19.53	30	PASS
				RB25#13	19.95	19.5	30	PASS
				RB25#25	19.91	19.46	30	PASS
				RB50#0	19.98	19.53	30	PASS
			MCH	RB1#0	21.07	20.62	30	PASS
				RB1#25	21.09	20.64	30	PASS
				RB1#49	21.06	20.61	30	PASS
				RB25#0	19.87	19.42	30	PASS
				RB25#13	19.87	19.42	30	PASS
				RB25#25	19.89	19.44	30	PASS
				RB50#0	19.91	19.46	30	PASS
			HCH	RB1#0	20.99	20.54	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	20.89	20.44	30	PASS
				RB1#49	20.68	20.23	30	PASS
				RB25#0	19.92	19.47	30	PASS
				RB25#13	19.85	19.4	30	PASS
				RB25#25	19.78	19.33	30	PASS
				RB50#0	19.75	19.3	30	PASS
			LCH	RB1#0	21.42	20.97	30	PASS
				RB1#38	21.32	20.87	30	PASS
				RB1#74	21.28	20.83	30	PASS
		15		RB38#0	20.02	19.57	30	PASS
				RB38#19	20	19.55	30	PASS
				RB38#39	19.97	19.52	30	PASS
				RB75#0	20	19.55	30	PASS
			MCH	RB1#0	21.04	20.59	30	PASS
				RB1#38	20.99	20.54	30	PASS
				RB1#74	21.03	20.58	30	PASS
				RB38#0	19.85	19.4	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	19.88	19.43	30	PASS
				RB38#39	19.87	19.42	30	PASS
				RB75#0	19.93	19.48	30	PASS
			HCH	RB1#0	21.03	20.58	30	PASS
				RB1#38	20.98	20.53	30	PASS
				RB1#74	20.75	20.3	30	PASS
				RB38#0	19.98	19.53	30	PASS
				RB38#19	19.92	19.47	30	PASS
				RB38#39	19.79	19.34	30	PASS
				RB75#0	19.89	19.44	30	PASS
		20	LCH	RB1#0	21.61	21.16	30	PASS
				RB1#50	21.49	21.04	30	PASS
				RB1#99	21.47	21.02	30	PASS
				RB50#0	20.01	19.56	30	PASS
				RB50#25	19.97	19.52	30	PASS
				RB50#50	19.96	19.51	30	PASS
				RB100#0	19.97	19.52	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.19	20.74	30	PASS
				RB1#50	21.17	20.72	30	PASS
				RB1#99	21.24	20.79	30	PASS
				RB50#0	19.92	19.47	30	PASS
				RB50#25	19.9	19.45	30	PASS
				RB50#50	19.94	19.49	30	PASS
				RB100#0	19.92	19.47	30	PASS
			HCH	RB1#0	21.04	20.59	30	PASS
				RB1#50	21.05	20.6	30	PASS
				RB1#99	20.86	20.41	30	PASS
				RB50#0	19.93	19.48	30	PASS
				RB50#25	19.88	19.43	30	PASS
				RB50#50	19.81	19.36	30	PASS
				RB100#0	19.88	19.43	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	4.16	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.23	13	PASS
				RB3#0	4.92	13	PASS
				RB3#2	4.96	13	PASS
				RB3#3	5.06	13	PASS
				RB6#0	6.64	13	PASS
			MCH	RB1#0	3.65	13	PASS
				RB1#3	3.68	13	PASS
				RB1#5	3.66	13	PASS
				RB3#0	4.34	13	PASS
				RB3#2	4.26	13	PASS
				RB3#3	4.39	13	PASS
				RB6#0	5.98	13	PASS
			HCH	RB1#0	4.26	13	PASS
				RB1#3	4.21	13	PASS
				RB1#5	4.2	13	PASS
				RB3#0	4.81	13	PASS
				RB3#2	4.74	13	PASS
				RB3#3	4.89	13	PASS
				RB6#0	5.99	13	PASS
		3	LCH	RB1#0	4.42	13	PASS
				RB1#7	4.44	13	PASS
				RB1#14	4.51	13	PASS
				RB8#0	6.12	13	PASS
				RB8#4	6.11	13	PASS
				RB8#7	6.15	13	PASS
				RB15#0	5.84	13	PASS
			MCH	RB1#0	3.88	13	PASS
				RB1#7	3.82	13	PASS
				RB1#14	3.83	13	PASS
				RB8#0	5.47	13	PASS
				RB8#4	5.4	13	PASS
				RB8#7	5.54	13	PASS
				RB15#0	5.67	13	PASS
			HCH	RB1#0	4.27	13	PASS
				RB1#7	4.22	13	PASS
				RB1#14	4.22	13	PASS
				RB8#0	5.87	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.87	13	PASS
				RB8#7	5.96	13	PASS
				RB15#0	6.07	13	PASS
		5	LCH	RB1#0	4.36	13	PASS
				RB1#13	4.46	13	PASS
				RB1#24	4.53	13	PASS
				RB12#0	6	13	PASS
				RB12#6	6.05	13	PASS
				RB12#13	6.18	13	PASS
				RB25#0	6.41	13	PASS
			MCH	RB1#0	3.87	13	PASS
				RB1#13	3.81	13	PASS
				RB1#24	3.82	13	PASS
				RB12#0	5.31	13	PASS
				RB12#6	5.21	13	PASS
				RB12#13	5.36	13	PASS
				RB25#0	5.79	13	PASS
			HCH	RB1#0	4.46	13	PASS
				RB1#13	4.39	13	PASS
				RB1#24	4.35	13	PASS
				RB12#0	6.24	13	PASS
				RB12#6	6.09	13	PASS
				RB12#13	6.2	13	PASS
				RB25#0	6.12	13	PASS
		10	LCH	RB1#0	4.38	13	PASS
				RB1#25	4.53	13	PASS
				RB1#49	4.49	13	PASS
				RB25#0	5.92	13	PASS
				RB25#13	6	13	PASS
				RB25#25	6.04	13	PASS
				RB50#0	6.43	13	PASS
			MCH	RB1#0	3.98	13	PASS
				RB1#25	3.8	13	PASS
				RB1#49	3.87	13	PASS
				RB25#0	5.31	13	PASS
				RB25#13	5.25	13	PASS
				RB25#25	5.35	13	PASS
				RB50#0	5.83	13	PASS
			HCH	RB1#0	4.2	13	PASS
				RB1#25	4.27	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.21	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	6.05	13	PASS
				RB25#25	6.04	13	PASS
				RB50#0	6.23	13	PASS
		15	LCH	RB1#0	4.38	13	PASS
				RB1#38	4.5	13	PASS
				RB1#74	4.22	13	PASS
				RB38#0	6.23	13	PASS
				RB38#19	6.21	13	PASS
				RB38#39	6.12	13	PASS
				RB75#0	6.74	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#38	3.8	13	PASS
				RB1#74	3.95	13	PASS
				RB38#0	5.48	13	PASS
				RB38#19	5.28	13	PASS
				RB38#39	5.46	13	PASS
				RB75#0	6.13	13	PASS
			HCH	RB1#0	3.96	13	PASS
				RB1#38	4.34	13	PASS
				RB1#74	4.3	13	PASS
				RB38#0	5.64	13	PASS
				RB38#19	5.77	13	PASS
				RB38#39	5.75	13	PASS
				RB75#0	6.38	13	PASS
		20	LCH	RB1#0	4.57	13	PASS
				RB1#50	4.66	13	PASS
				RB1#99	4.07	13	PASS
				RB50#0	6.4	13	PASS
				RB50#25	6.28	13	PASS
				RB50#50	6.05	13	PASS
				RB100#0	6.23	13	PASS
			MCH	RB1#0	4.41	13	PASS
				RB1#50	3.96	13	PASS
				RB1#99	4.13	13	PASS
				RB50#0	5.75	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	5.55	13	PASS
				RB100#0	5.87	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.95	13	PASS
				RB1#50	4.36	13	PASS
				RB1#99	4.4	13	PASS
				RB50#0	5.69	13	PASS
				RB50#25	5.82	13	PASS
				RB50#50	5.99	13	PASS
				RB100#0	6.33	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.35	13	PASS
				RB1#3	5.38	13	PASS
				RB1#5	5.39	13	PASS
				RB3#0	5.77	13	PASS
				RB3#2	5.82	13	PASS
				RB3#3	5.95	13	PASS
				RB6#0	6.57	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#3	4.82	13	PASS
				RB1#5	4.82	13	PASS
				RB3#0	5.26	13	PASS
				RB3#2	5.2	13	PASS
				RB3#3	5.34	13	PASS
				RB6#0	6.13	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#3	5.19	13	PASS
				RB1#5	5.23	13	PASS
				RB3#0	5.49	13	PASS
				RB3#2	5.4	13	PASS
				RB3#3	5.55	13	PASS
				RB6#0	6.26	13	PASS
		3	LCH	RB1#0	5.38	13	PASS
				RB1#7	5.44	13	PASS
				RB1#14	5.56	13	PASS
				RB8#0	6.66	13	PASS
				RB8#4	6.75	13	PASS
				RB8#7	6.82	13	PASS
				RB15#0	7.02	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#7	4.81	13	PASS
				RB1#14	4.84	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	6.05	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	6.17	13	PASS
				RB15#0	6.6	13	PASS
			HCH	RB1#0	5.23	13	PASS
				RB1#7	5.18	13	PASS
				RB1#14	5.16	13	PASS
				RB8#0	5.88	13	PASS
				RB8#4	5.91	13	PASS
				RB8#7	5.89	13	PASS
				RB15#0	7.19	13	PASS
		5	LCH	RB1#0	5.41	13	PASS
				RB1#13	5.51	13	PASS
				RB1#24	5.57	13	PASS
				RB12#0	6.61	13	PASS
				RB12#6	6.65	13	PASS
				RB12#13	6.7	13	PASS
				RB25#0	7.18	13	PASS
			MCH	RB1#0	4.93	13	PASS
				RB1#13	4.88	13	PASS
				RB1#24	4.87	13	PASS
				RB12#0	5.99	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	6.03	13	PASS
				RB25#0	6.58	13	PASS
			HCH	RB1#0	4.6	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	4.53	13	PASS
				RB12#0	6.61	13	PASS
				RB12#6	6.53	13	PASS
				RB12#13	6.59	13	PASS
				RB25#0	6.91	13	PASS
		10	LCH	RB1#0	5.58	13	PASS
				RB1#25	5.75	13	PASS
				RB1#49	5.77	13	PASS
				RB25#0	7.24	13	PASS
				RB25#13	7.36	13	PASS
				RB25#25	7.48	13	PASS
				RB50#0	7.65	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	5.15	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.6	13	PASS
				RB25#13	6.36	13	PASS
				RB25#25	6.49	13	PASS
				RB50#0	6.68	13	PASS
				RB1#0	5.26	13	PASS
				RB1#25	5.34	13	PASS
				RB1#49	5.32	13	PASS
			HCH	RB25#0	7.03	13	PASS
				RB25#13	7.02	13	PASS
				RB25#25	7.11	13	PASS
				RB50#0	6.86	13	PASS
				RB1#0	5.61	13	PASS
				RB1#38	5.78	13	PASS
				RB1#74	5.47	13	PASS
			LCH	RB38#0	7.41	13	PASS
				RB38#19	7.31	13	PASS
				RB38#39	7.25	13	PASS
				RB75#0	7.37	13	PASS
				RB1#0	5.35	13	PASS
				RB1#38	5.07	13	PASS
				RB1#74	5.19	13	PASS
		15	MCH	RB38#0	6.7	13	PASS
				RB38#19	6.39	13	PASS
				RB38#39	6.59	13	PASS
				RB75#0	6.85	13	PASS
				RB1#0	4.95	13	PASS
				RB1#38	5.39	13	PASS
				RB1#74	5.38	13	PASS
			HCH	RB38#0	6.78	13	PASS
				RB38#19	6.9	13	PASS
				RB38#39	6.98	13	PASS
				RB75#0	7.05	13	PASS
				RB1#0	4.58	13	PASS
				RB1#50	4.61	13	PASS
				RB1#99	4.2	13	PASS
			LCH	RB50#0	7.35	13	PASS
		20		RB50#25	7.11	13	PASS
				RB50#50	6.94	13	PASS
				RB100#0	7.02	13	PASS
			MCH	RB1#0	4.48	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.09	13	PASS
				RB1#99	4.24	13	PASS
				RB50#0	6.76	13	PASS
				RB50#25	6.47	13	PASS
				RB50#50	6.6	13	PASS
				RB100#0	6.93	13	PASS
			HCH	RB1#0	4.65	13	PASS
				RB1#50	5.06	13	PASS
				RB1#99	5.13	13	PASS
				RB50#0	6.59	13	PASS
				RB50#25	6.71	13	PASS
				RB50#50	6.94	13	PASS
				RB100#0	6.82	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

3.1.1.1.1.1 Test Channel = MCH

3.1.1.1.1.1.1 Test RB = RB6#0
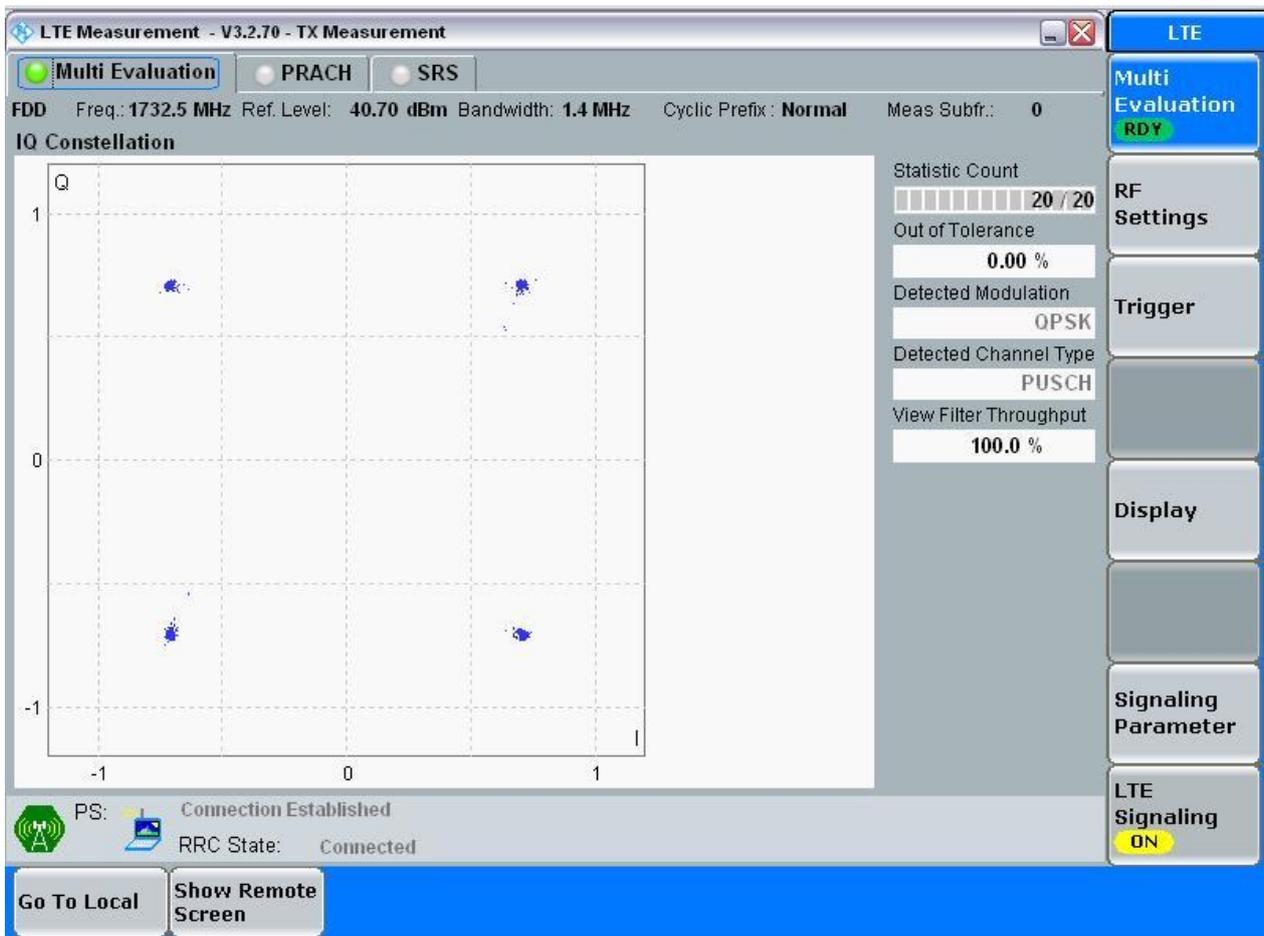
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB15#0
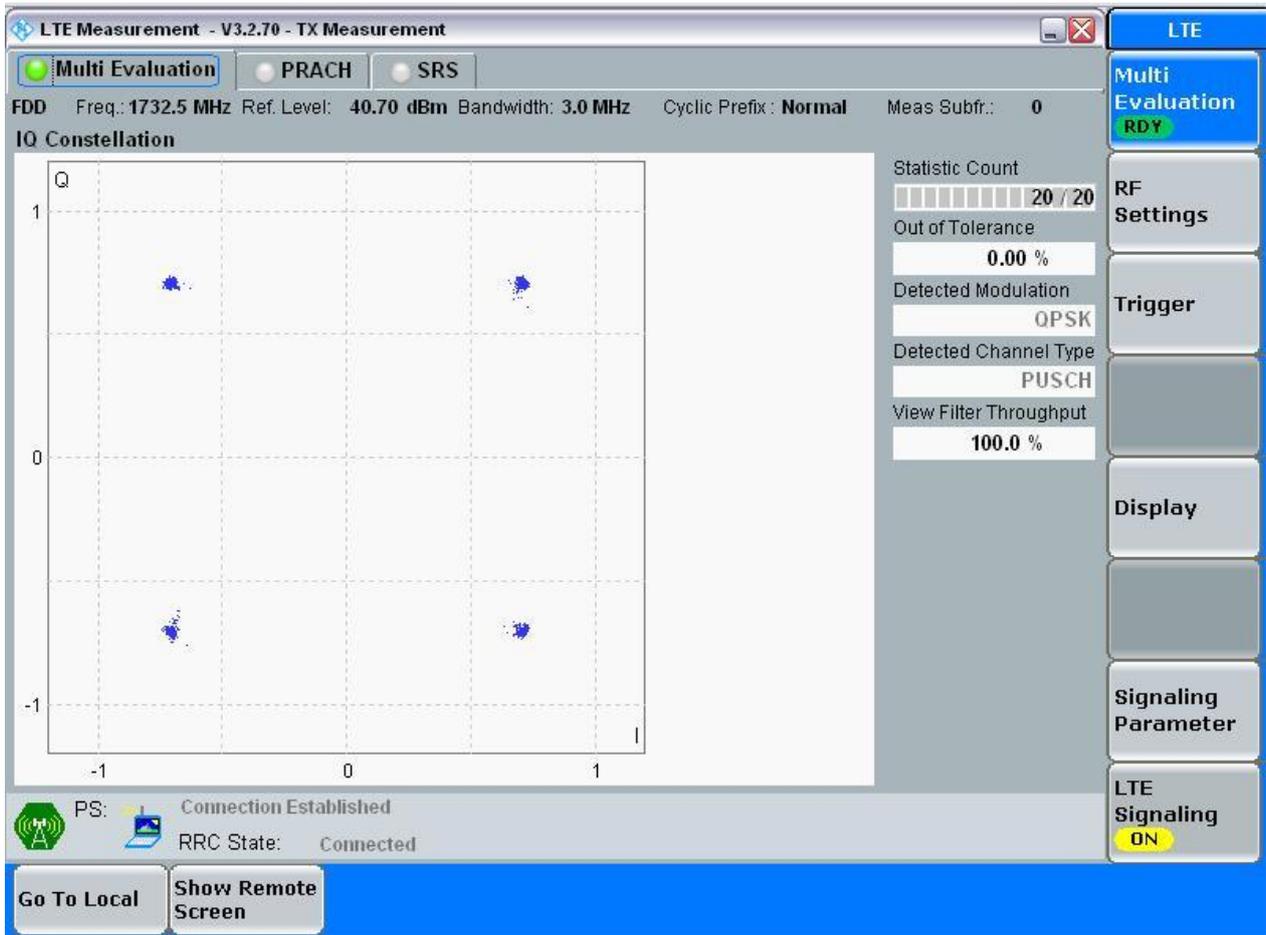
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

3.1.1.1.3.1.1 Test RB = RB25#0
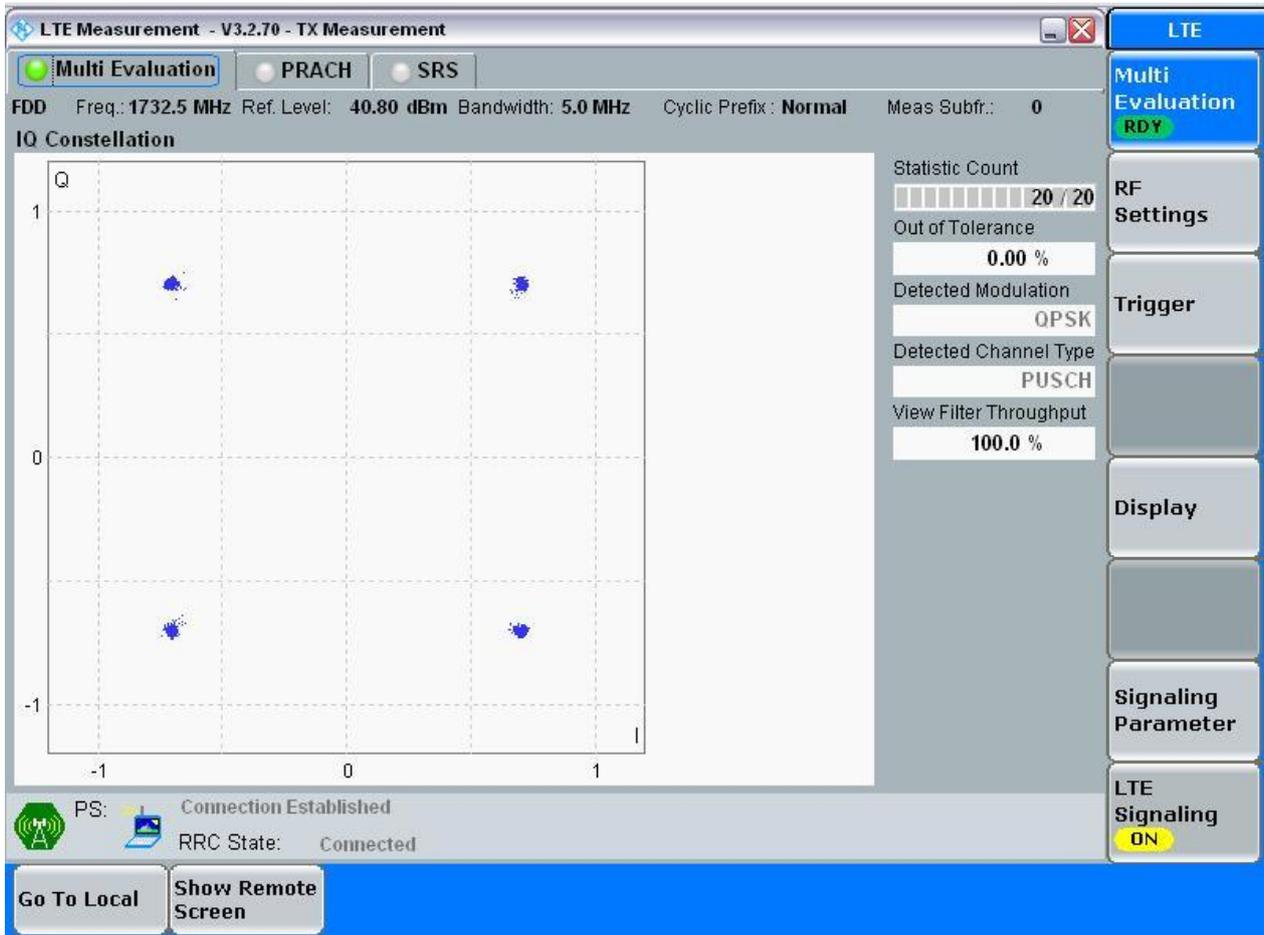
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
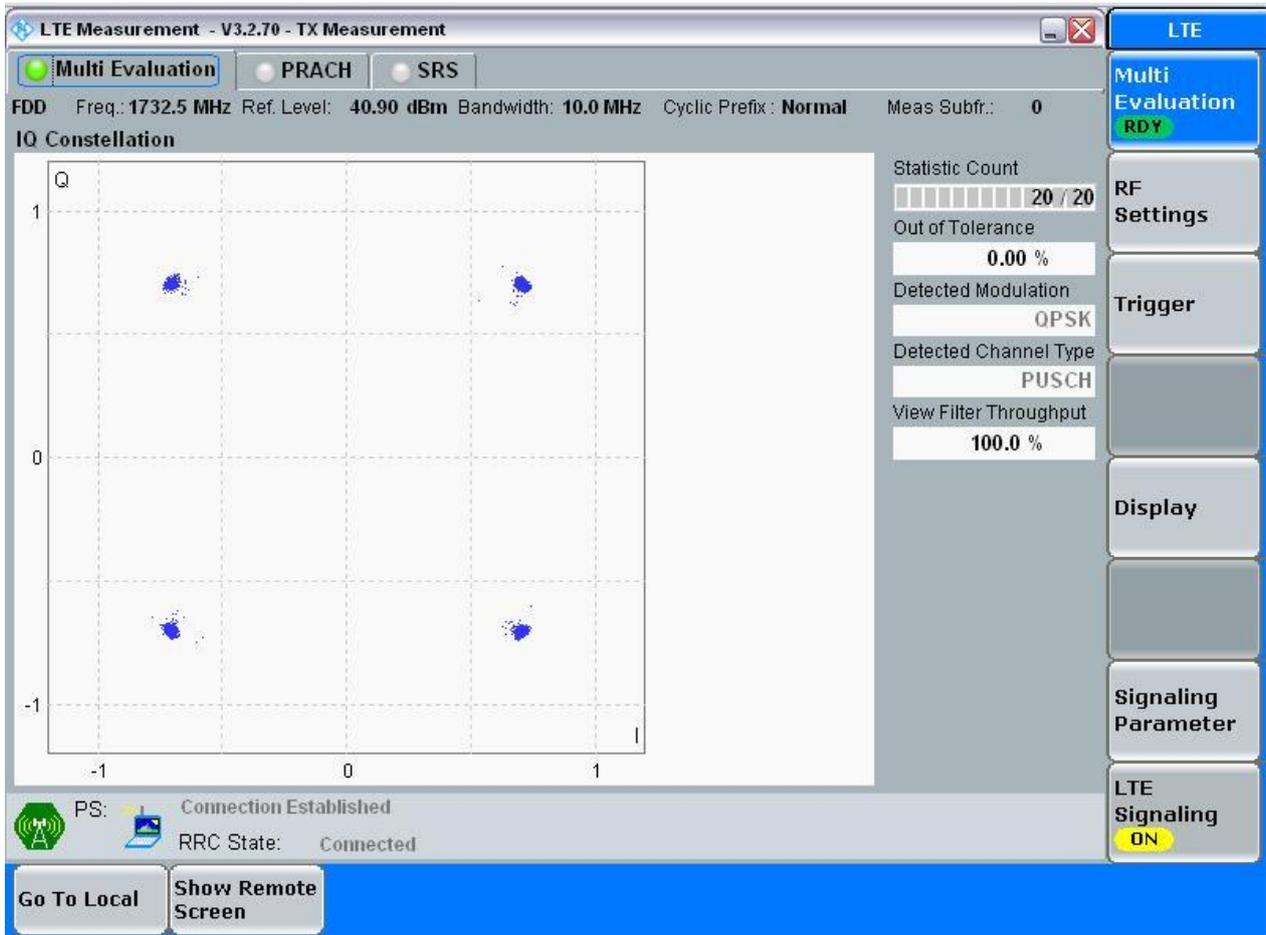
3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

3.1.1.1.5.1.1 Test RB = RB75#0
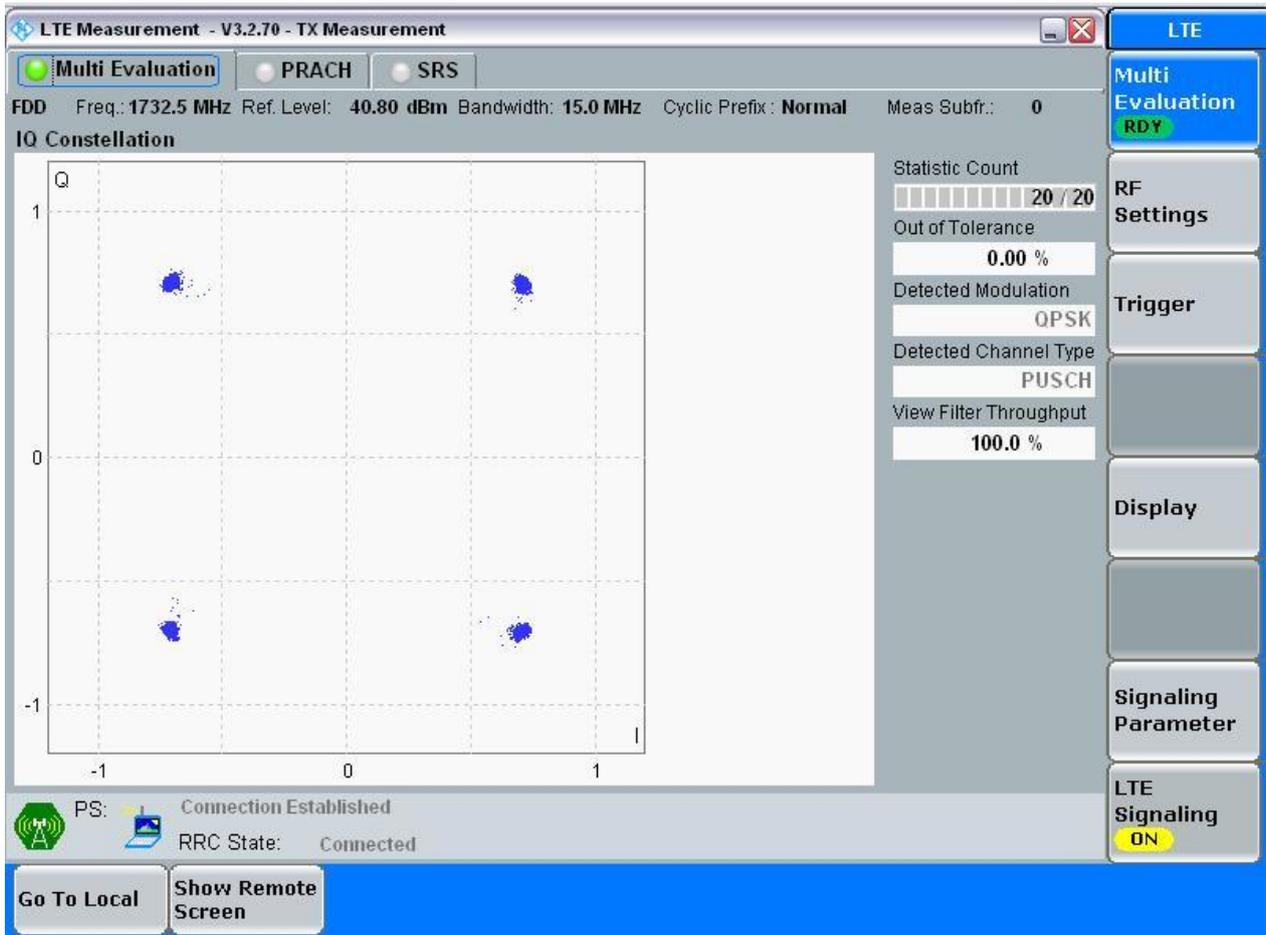
3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0
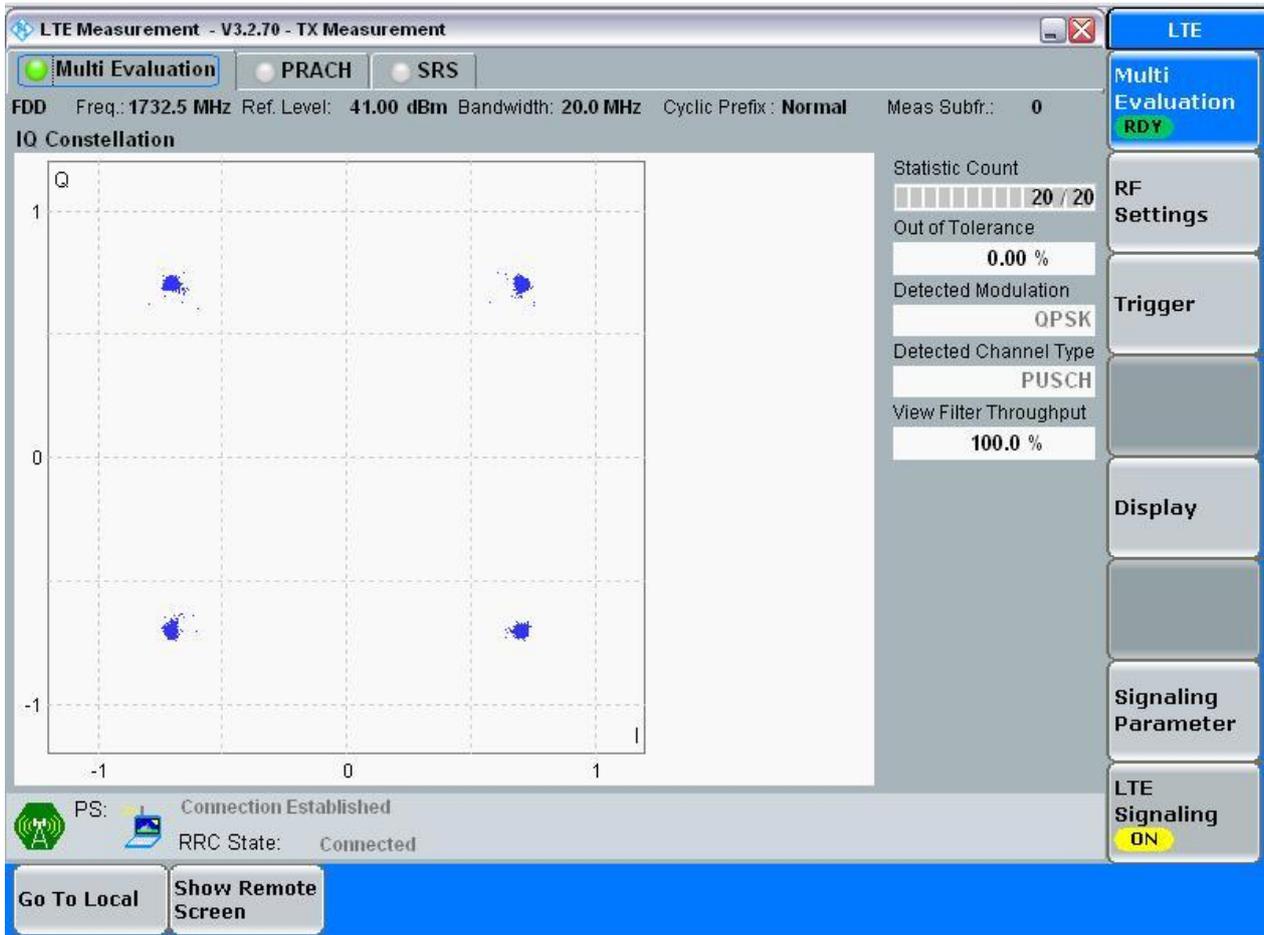
3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 Test RB = RB6#0
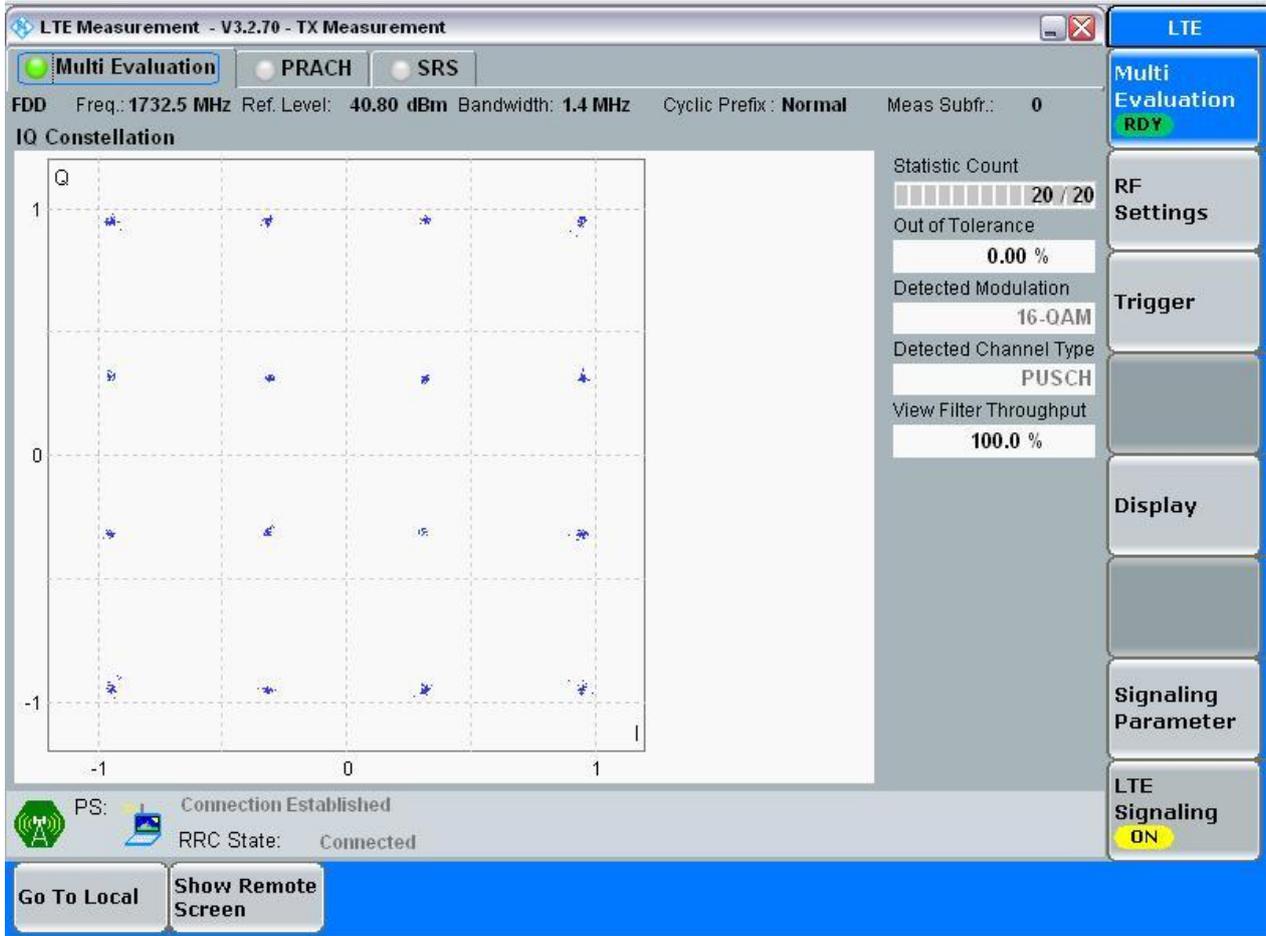
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0
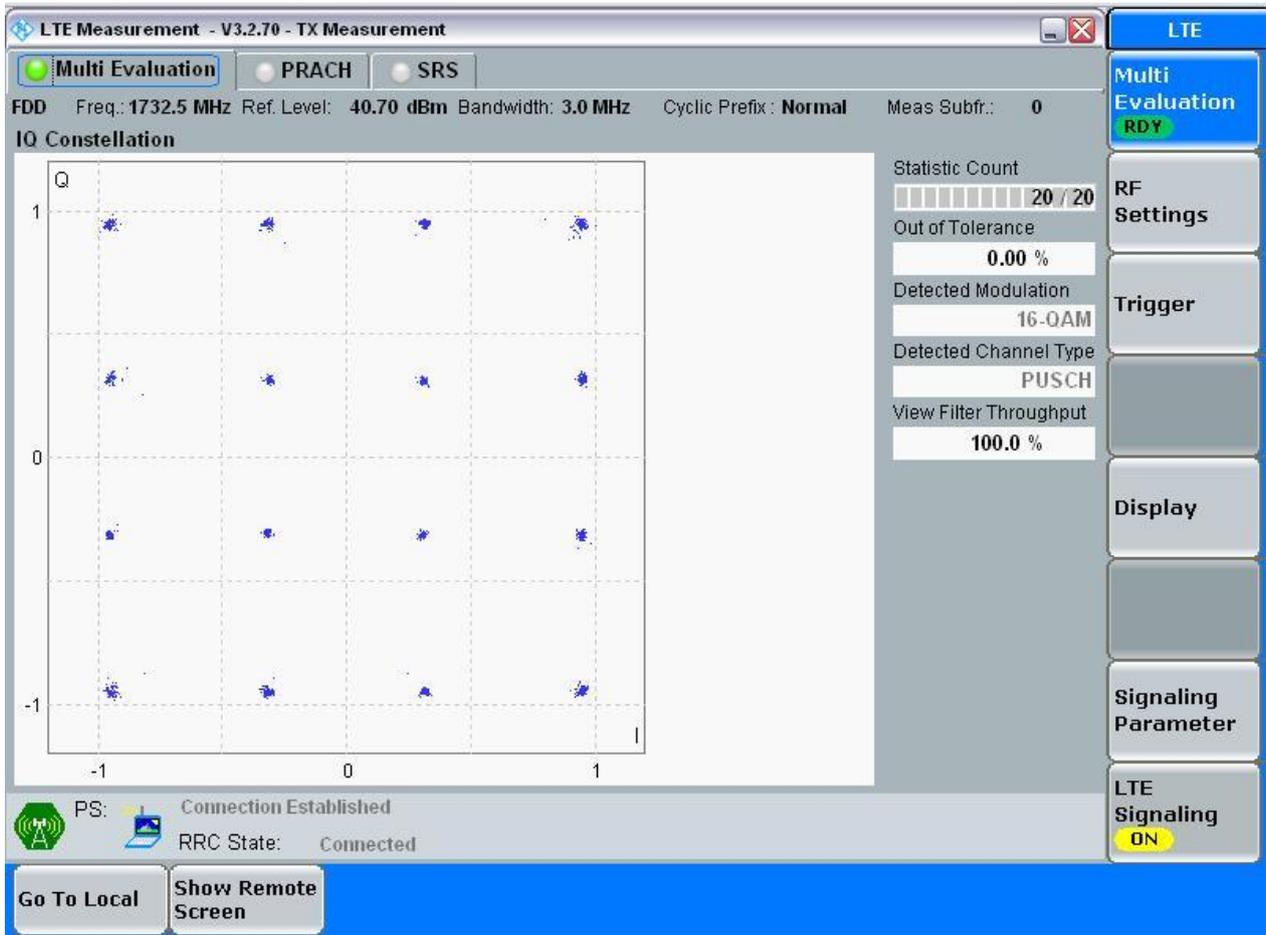
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB25#0
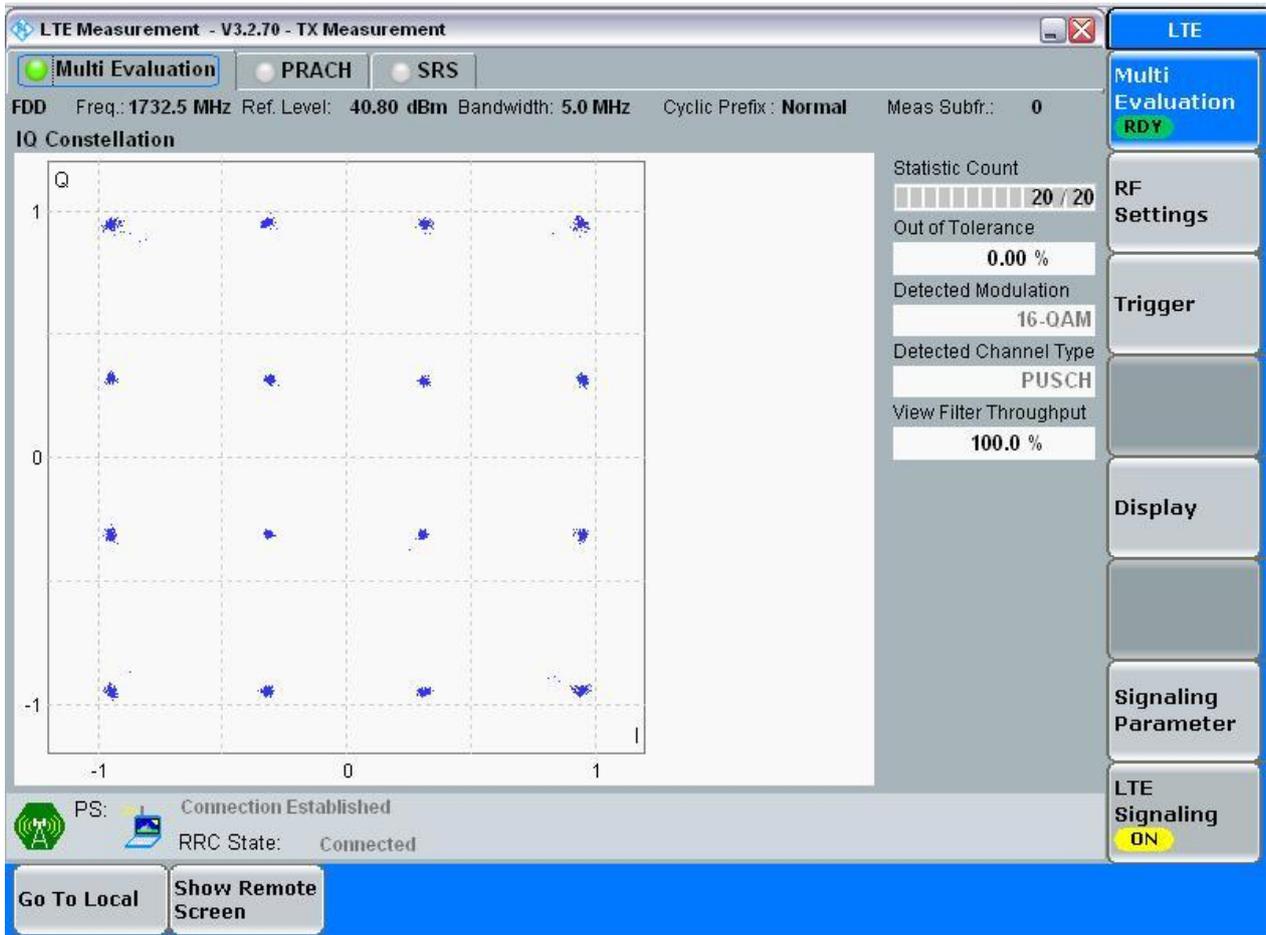
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
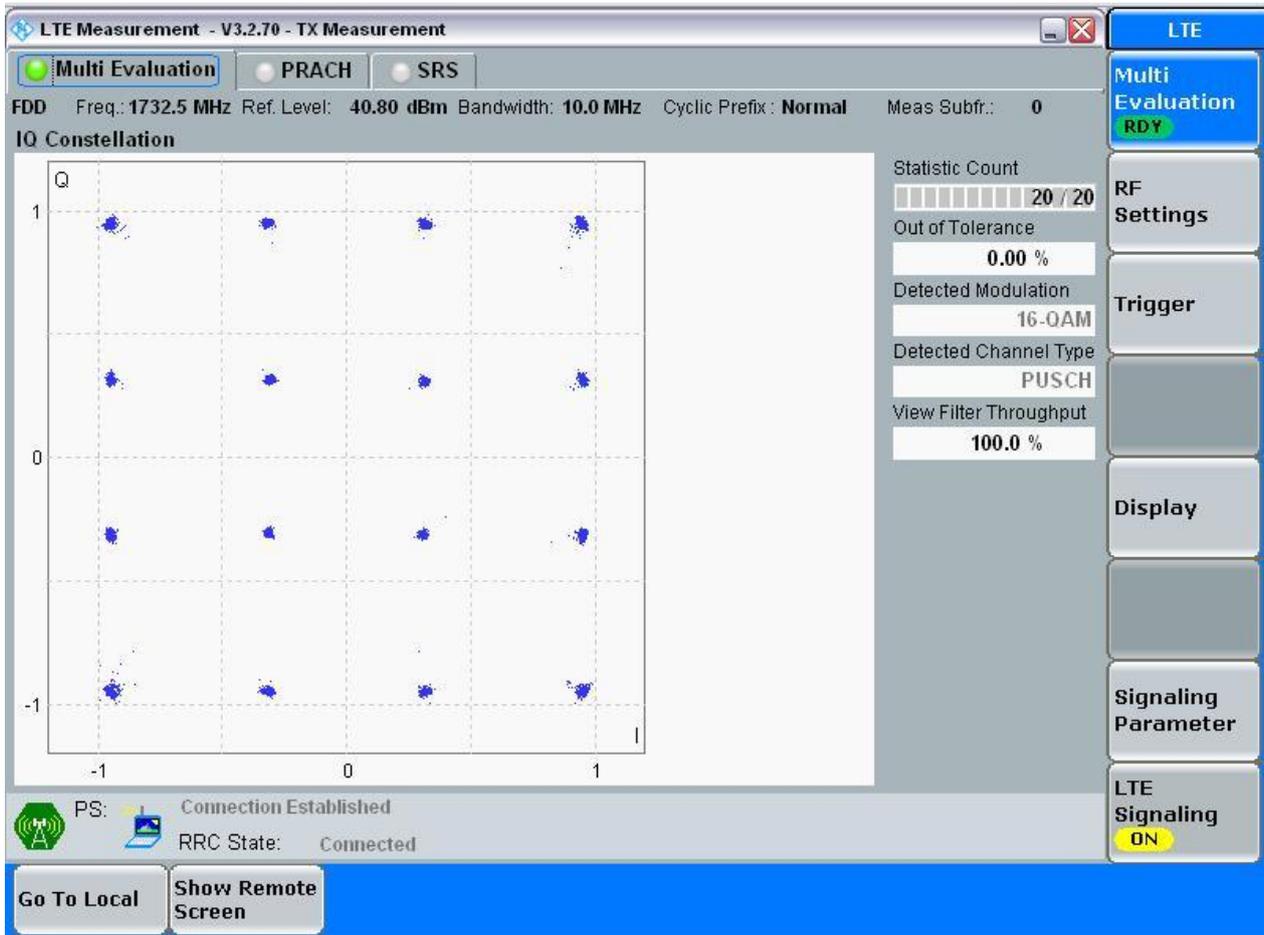
3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

3.1.1.2.5.1.1 Test RB = RB75#0
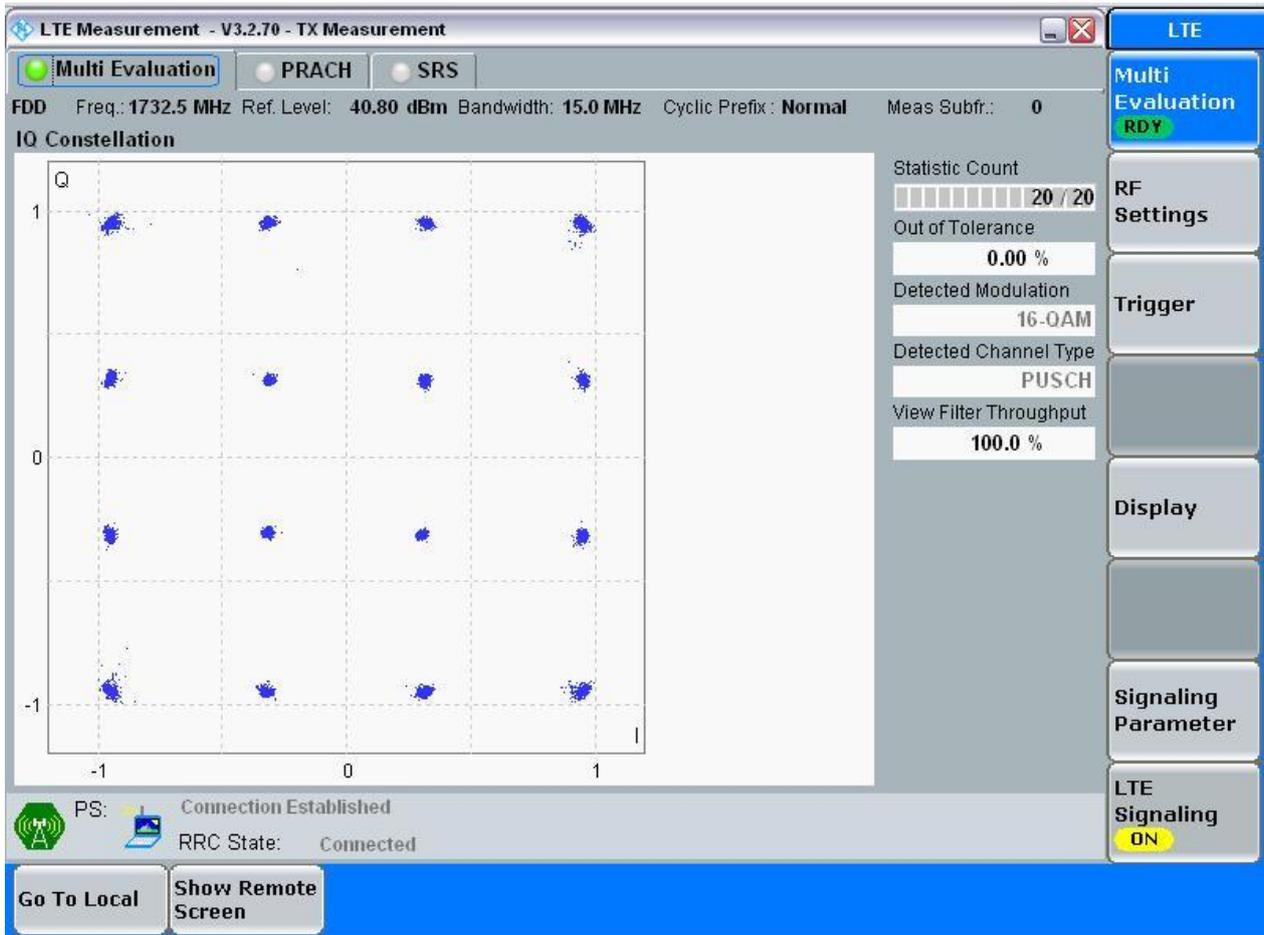
3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0
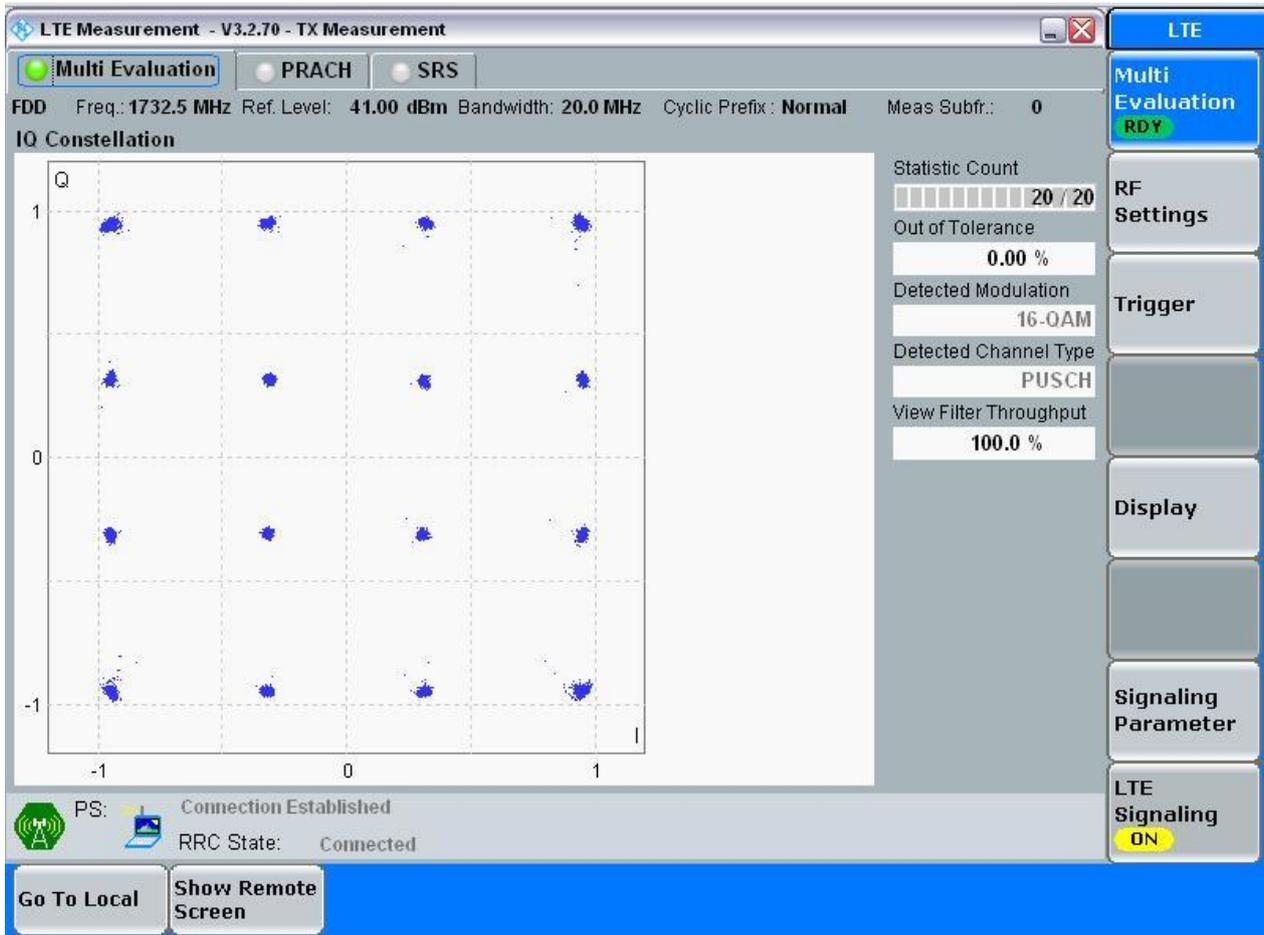
4Appendix_D: Bandwidth

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	1.09	1.25	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.89	Pass
			MCH	RB25#0	4.51	4.88	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	9.00	9.61	Pass
			MCH	RB50#0	8.99	9.62	Pass
			HCH	RB50#0	8.97	9.59	Pass
		15	LCH	RB75#0	13.49	14.33	Pass
			MCH	RB75#0	13.48	14.33	Pass
			HCH	RB75#0	13.48	14.29	Pass
		20	LCH	RB100#0	17.98	18.99	Pass
			MCH	RB100#0	17.94	18.97	Pass
			HCH	RB100#0	17.98	19.01	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.51	4.91	Pass
		10	LCH	RB50#0	8.99	9.61	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	8.99	9.56	Pass
		15	LCH	RB75#0	13.50	14.31	Pass
			MCH	RB75#0	13.46	14.30	Pass
			HCH	RB75#0	13.48	14.28	Pass
		20	LCH	RB100#0	17.99	18.99	Pass
			MCH	RB100#0	17.94	18.97	Pass
			HCH	RB100#0	17.99	18.98	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
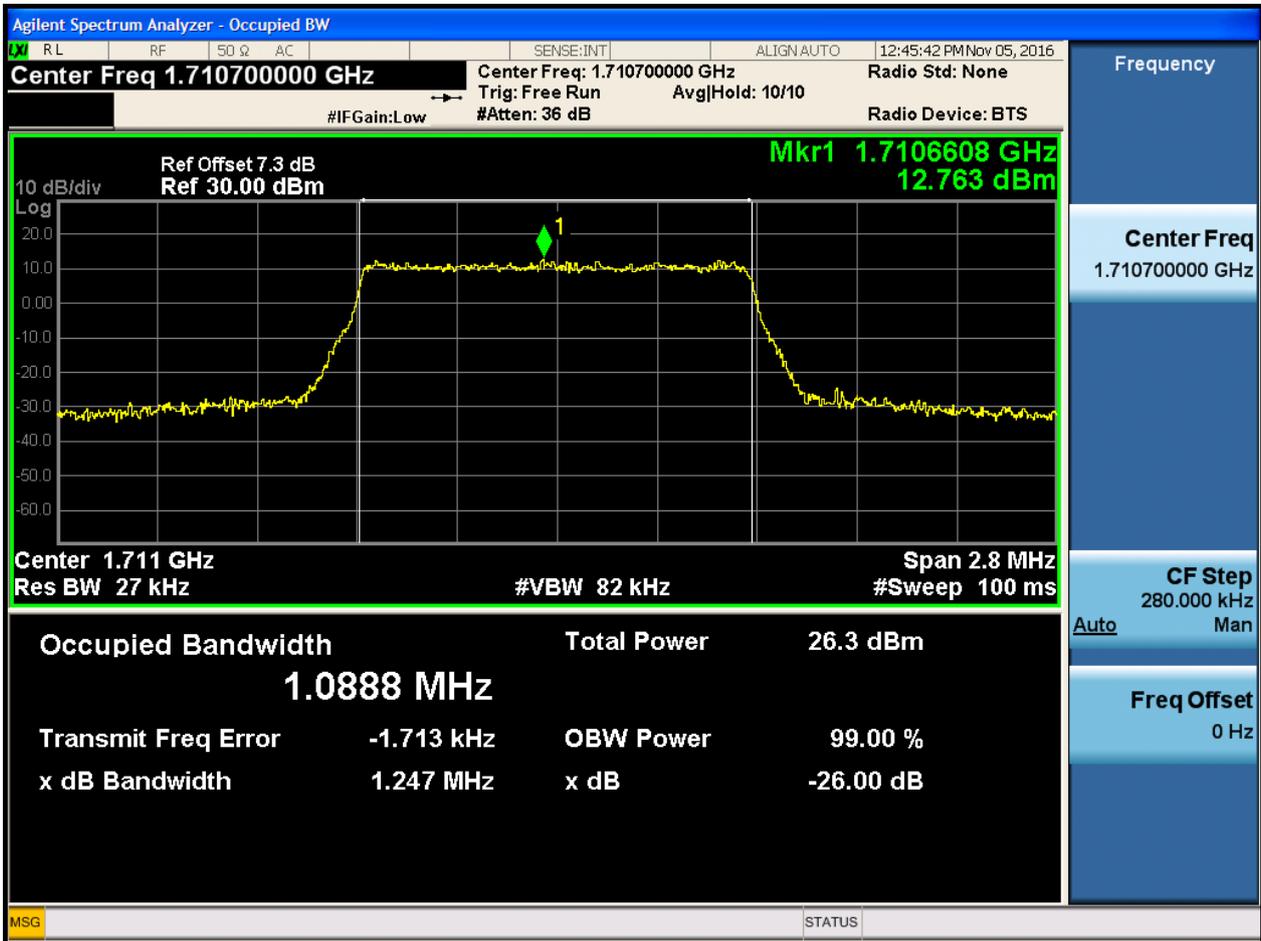
4.1.1.1.1.2 Test Channel = MCH

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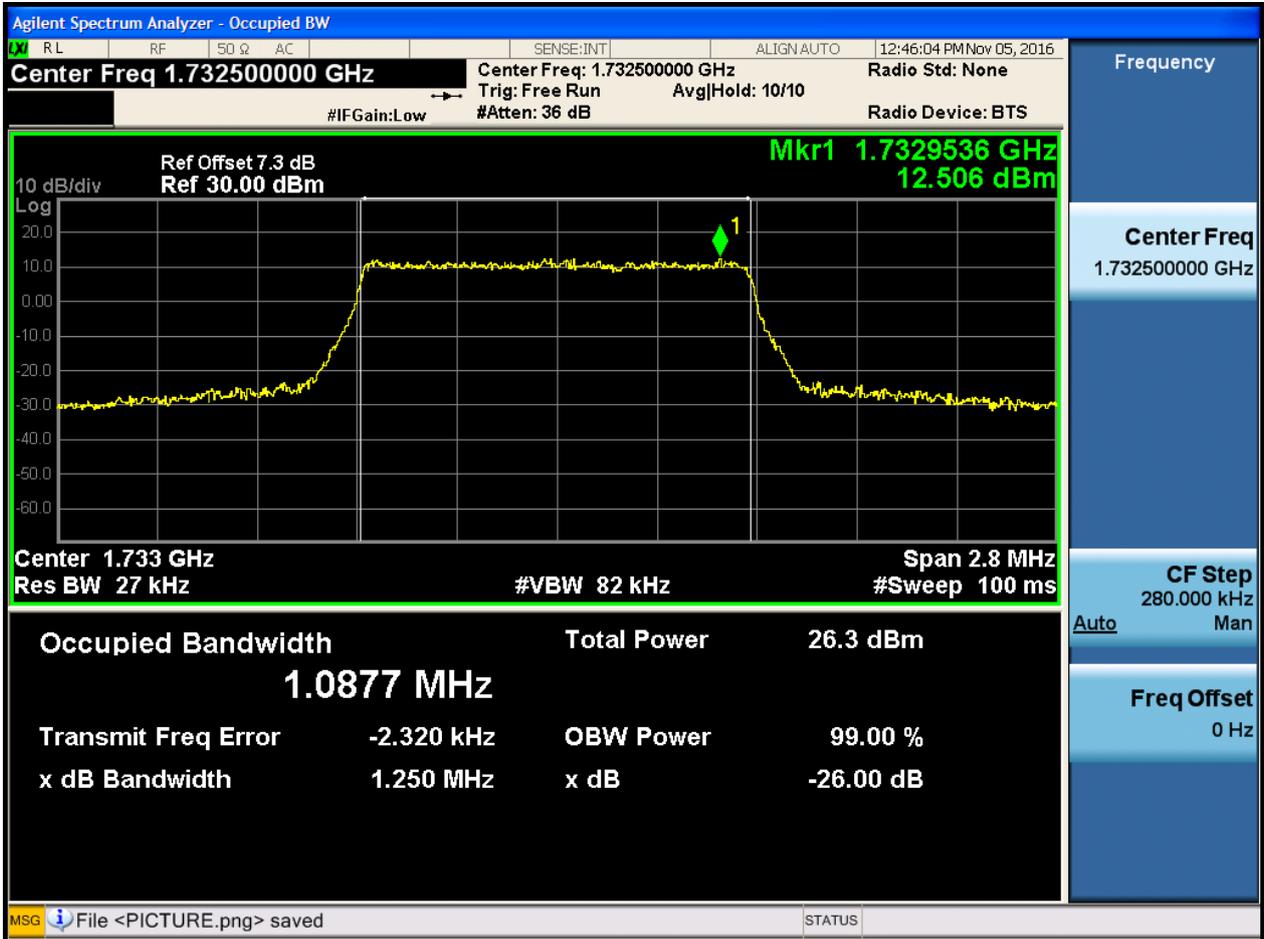
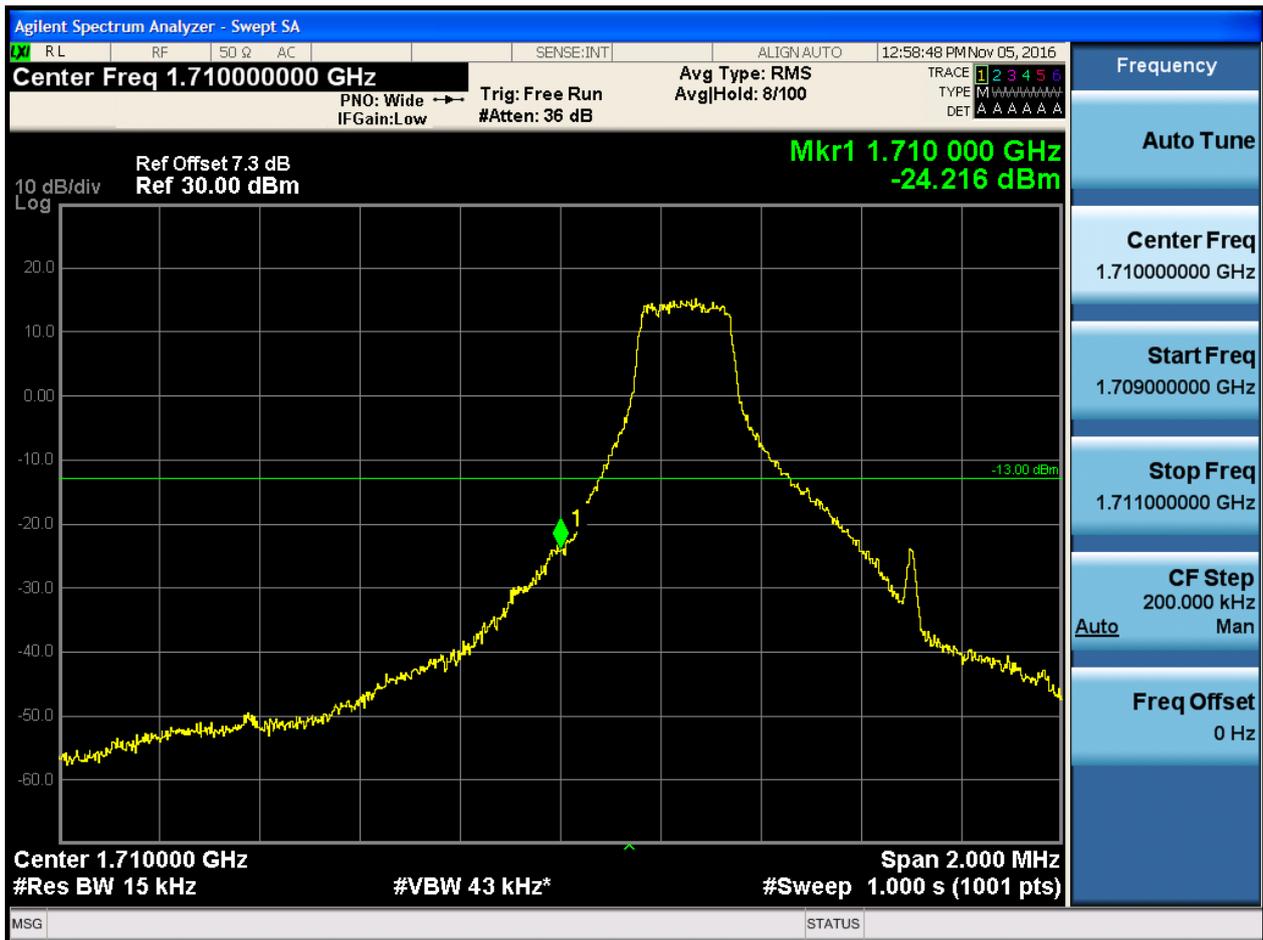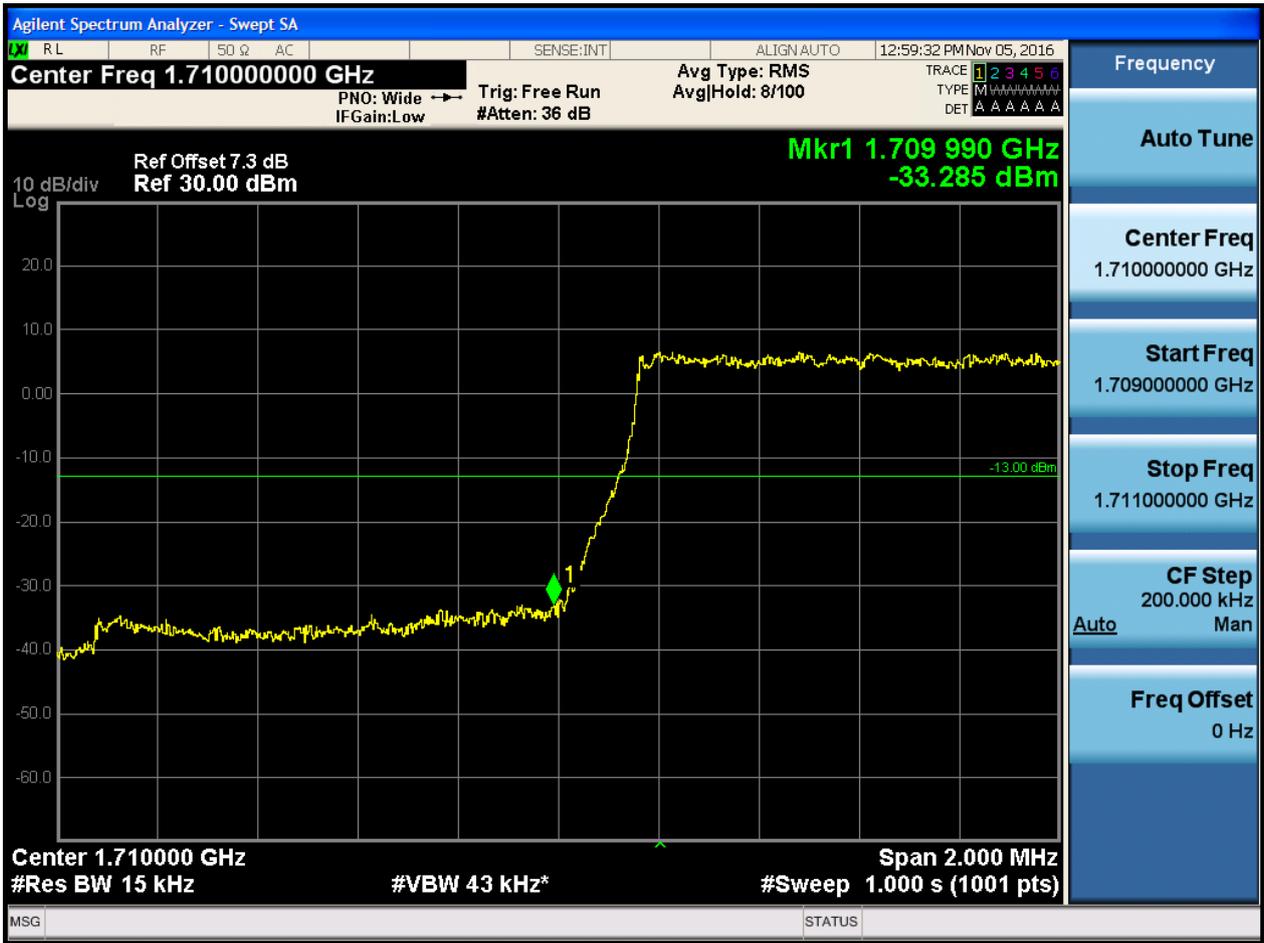**4.1.1.1.1.3 Test Channel = HCH**

4.1.1.1.1.3.1 Test RB = RB6#0
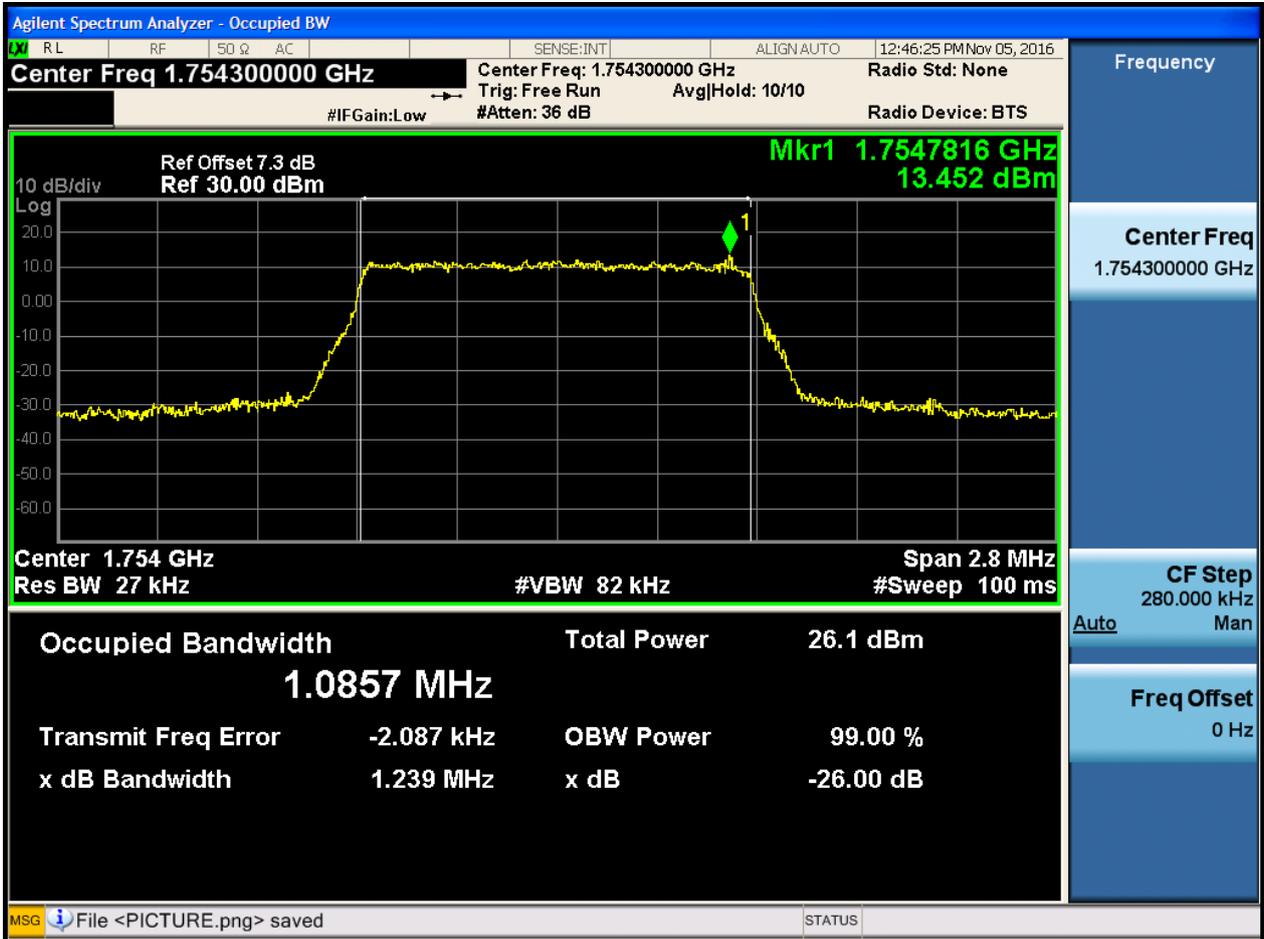
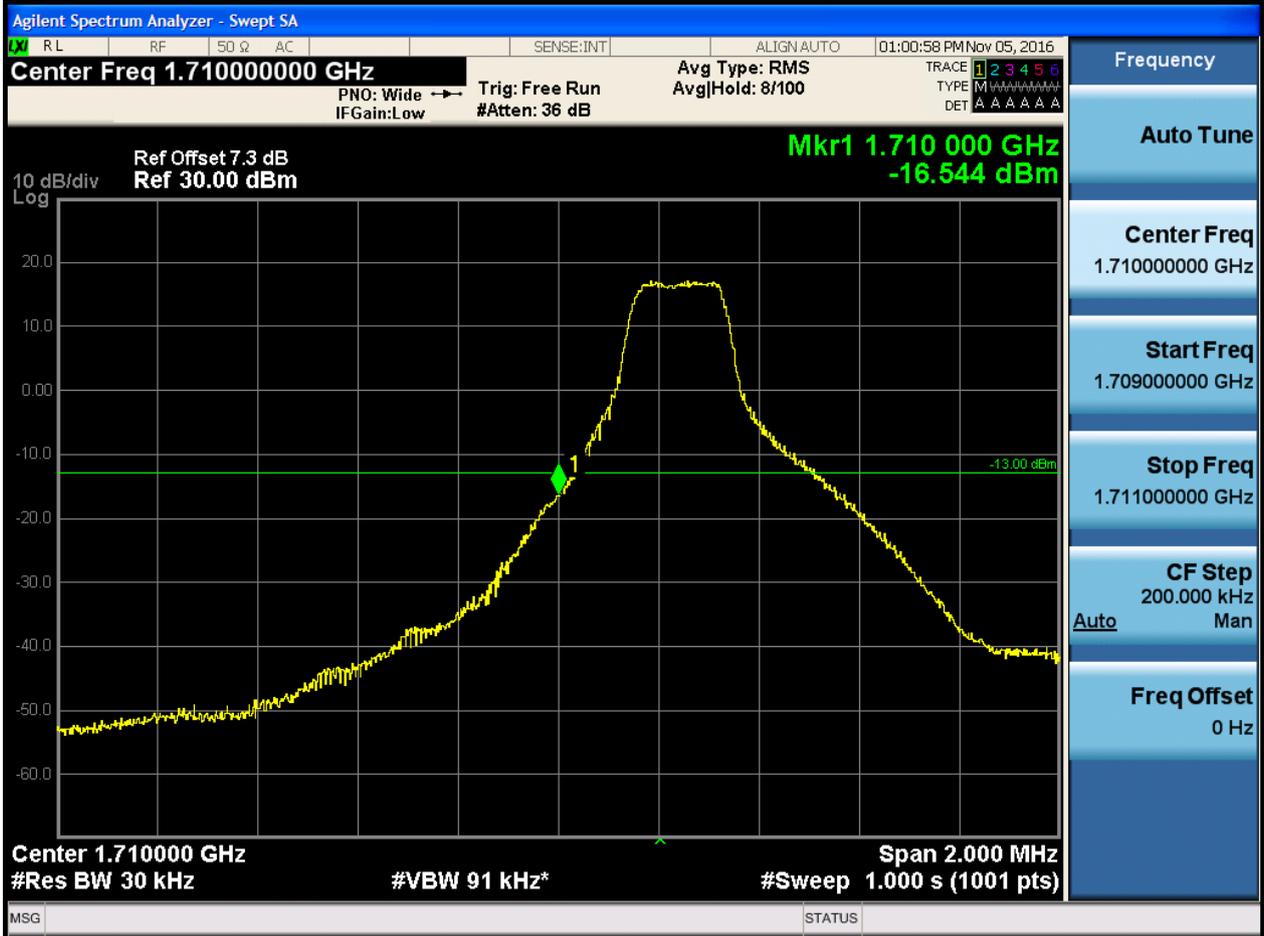### 4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0
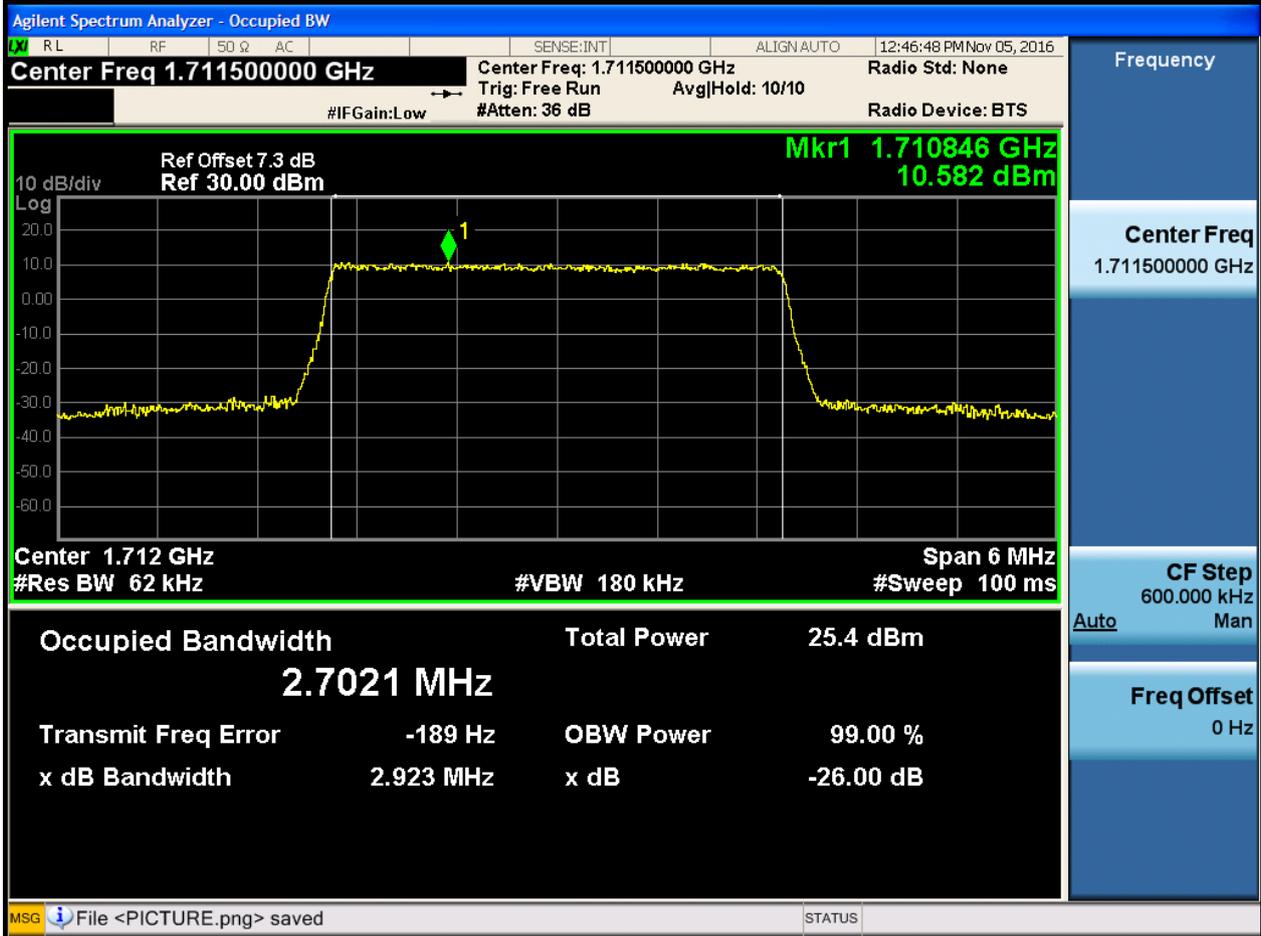
4.1.1.1.2.2 Test Channel = MCH

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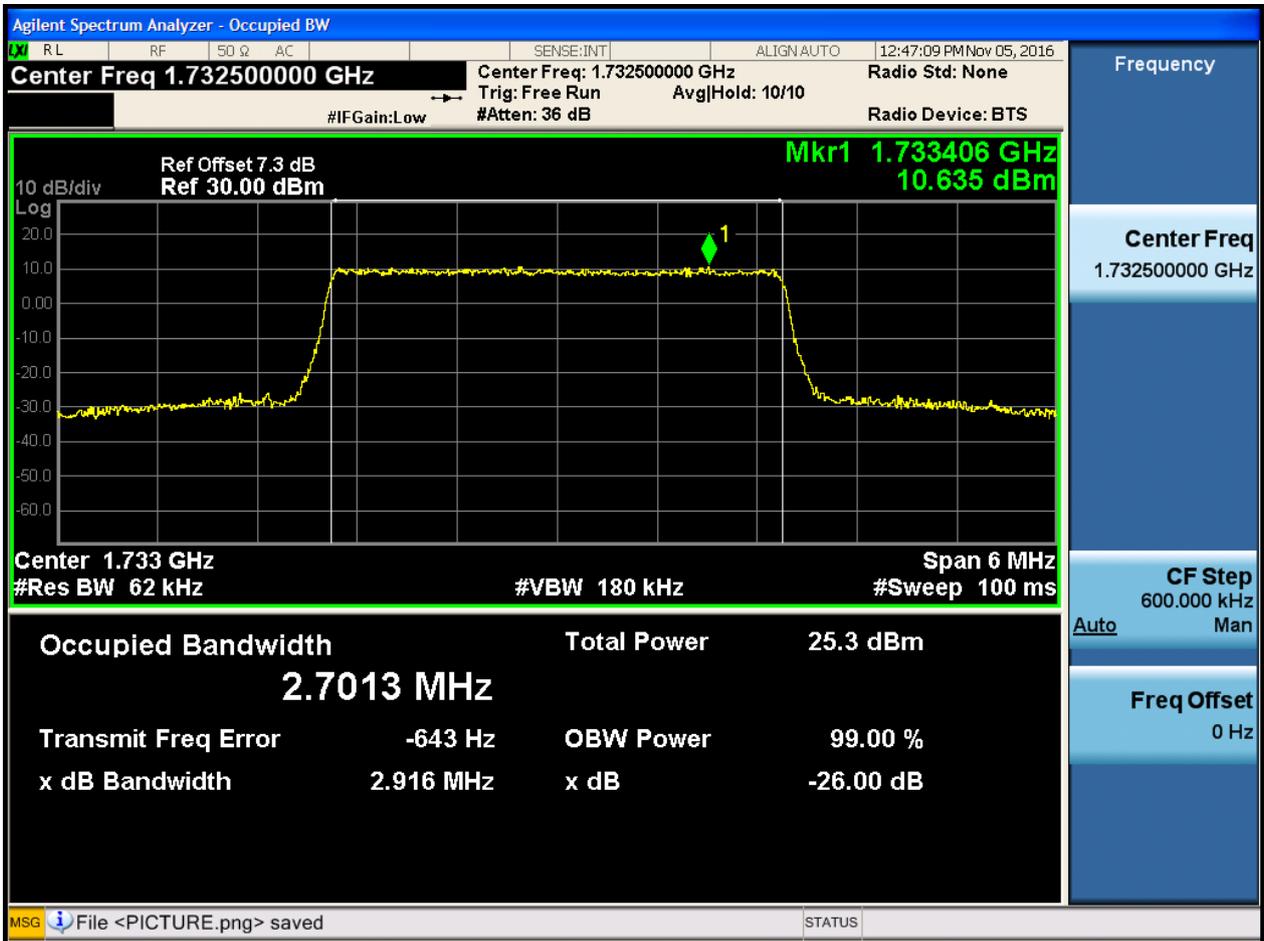
4.1.1.1.2.3 Test Channel = HCH

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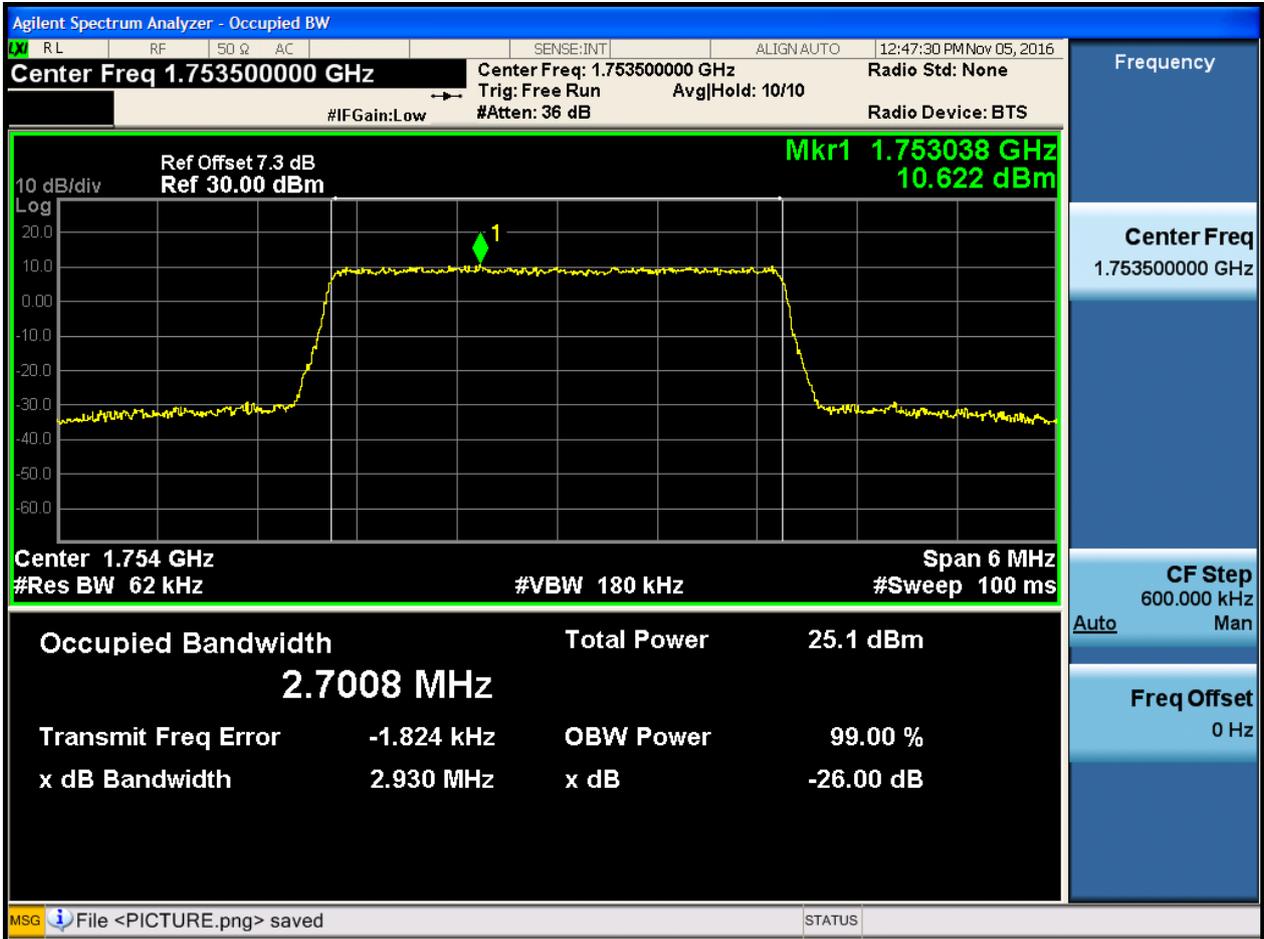
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0
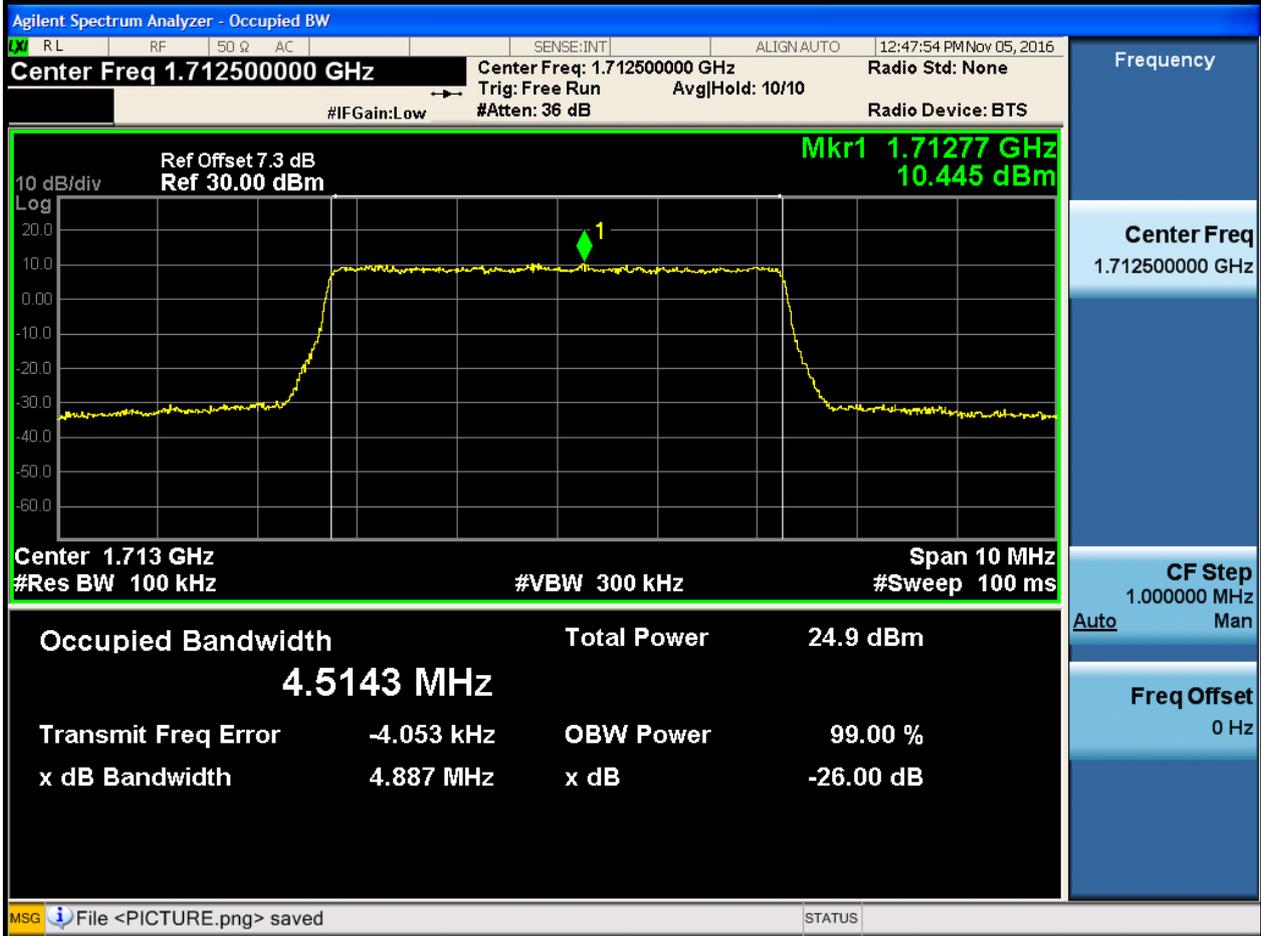
4.1.1.1.3.2 Test Channel = MCH

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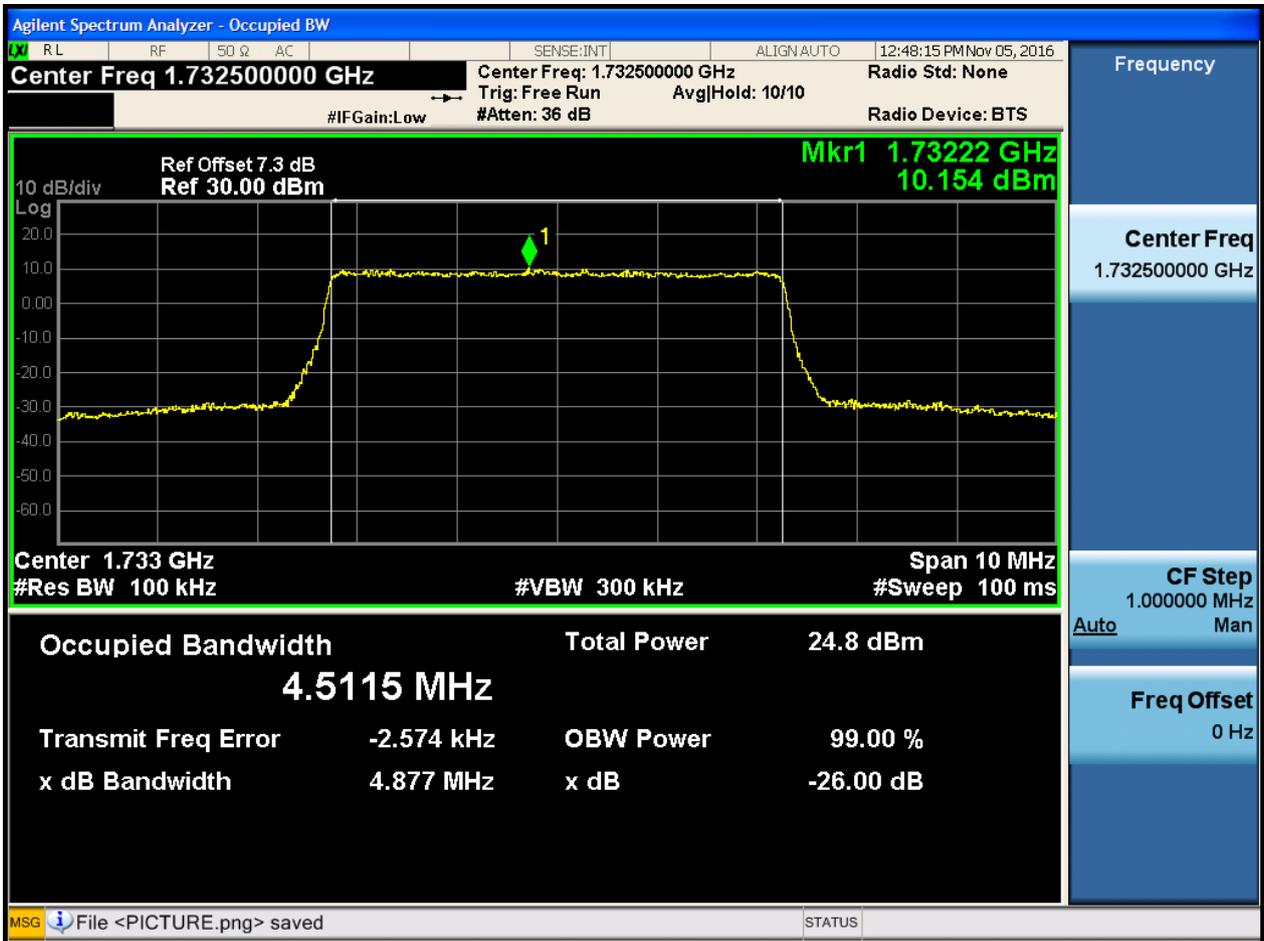
4.1.1.1.3.3 Test Channel = HCH

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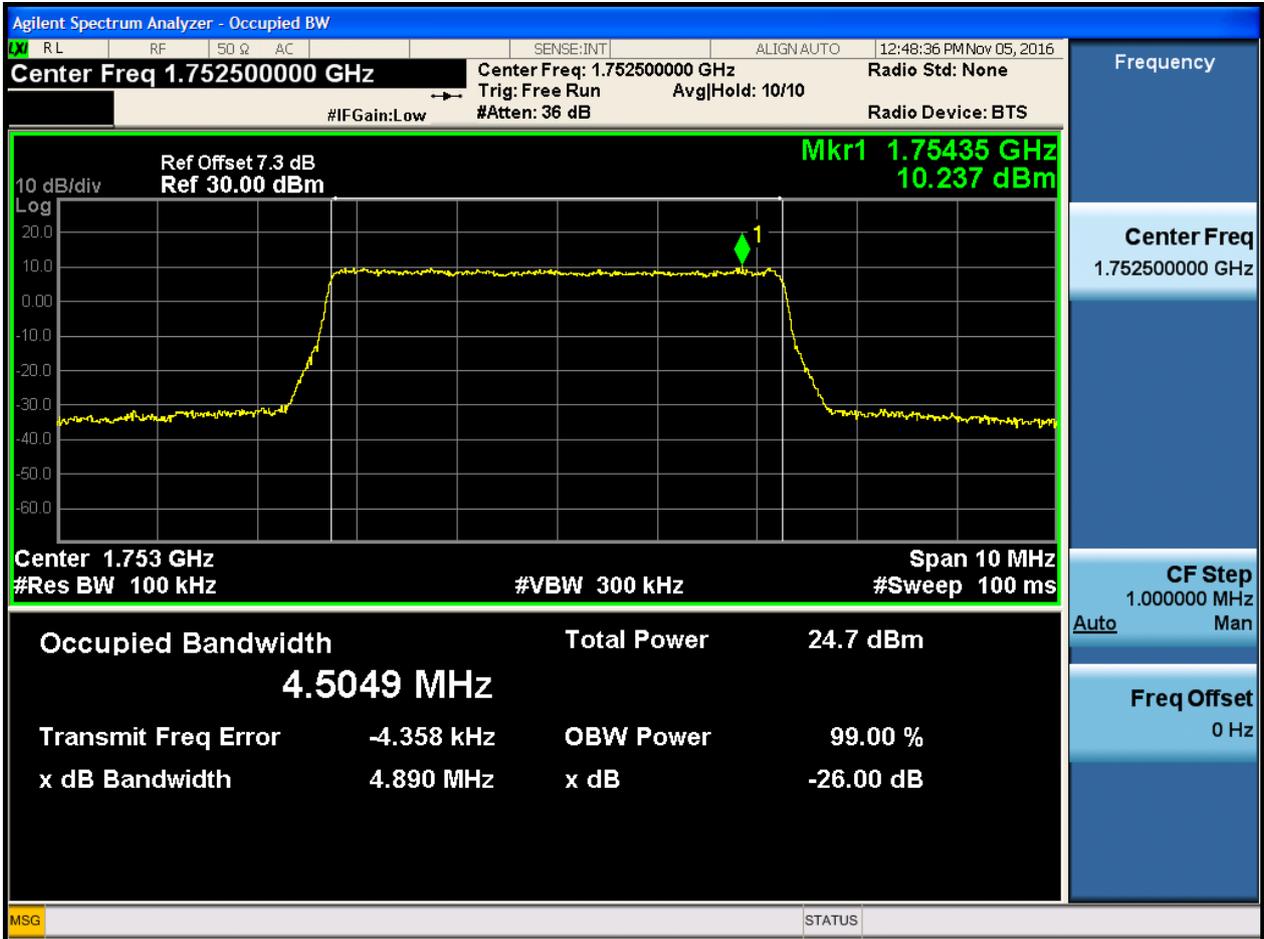
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0
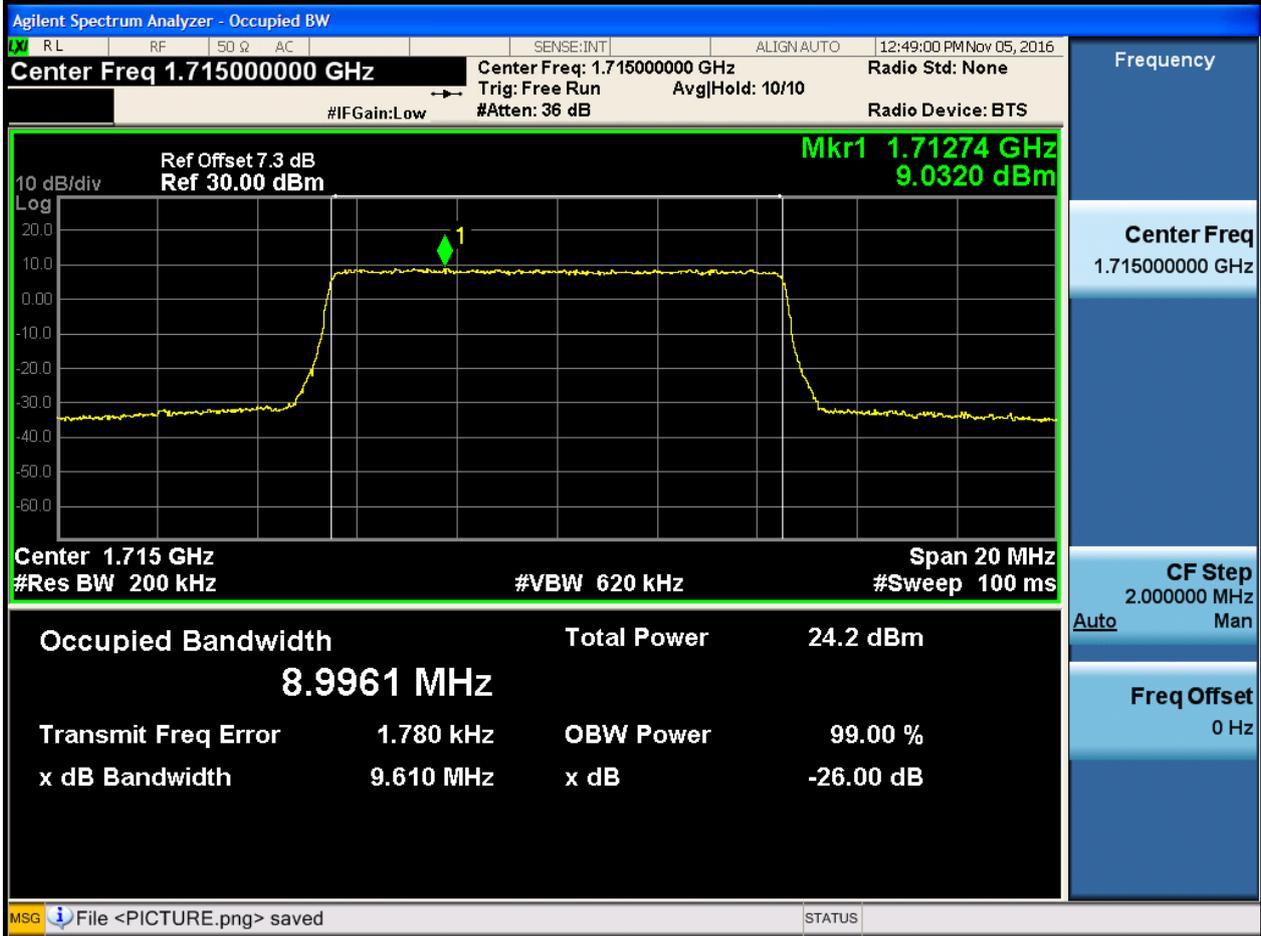
4.1.1.1.4.2 Test Channel = MCH

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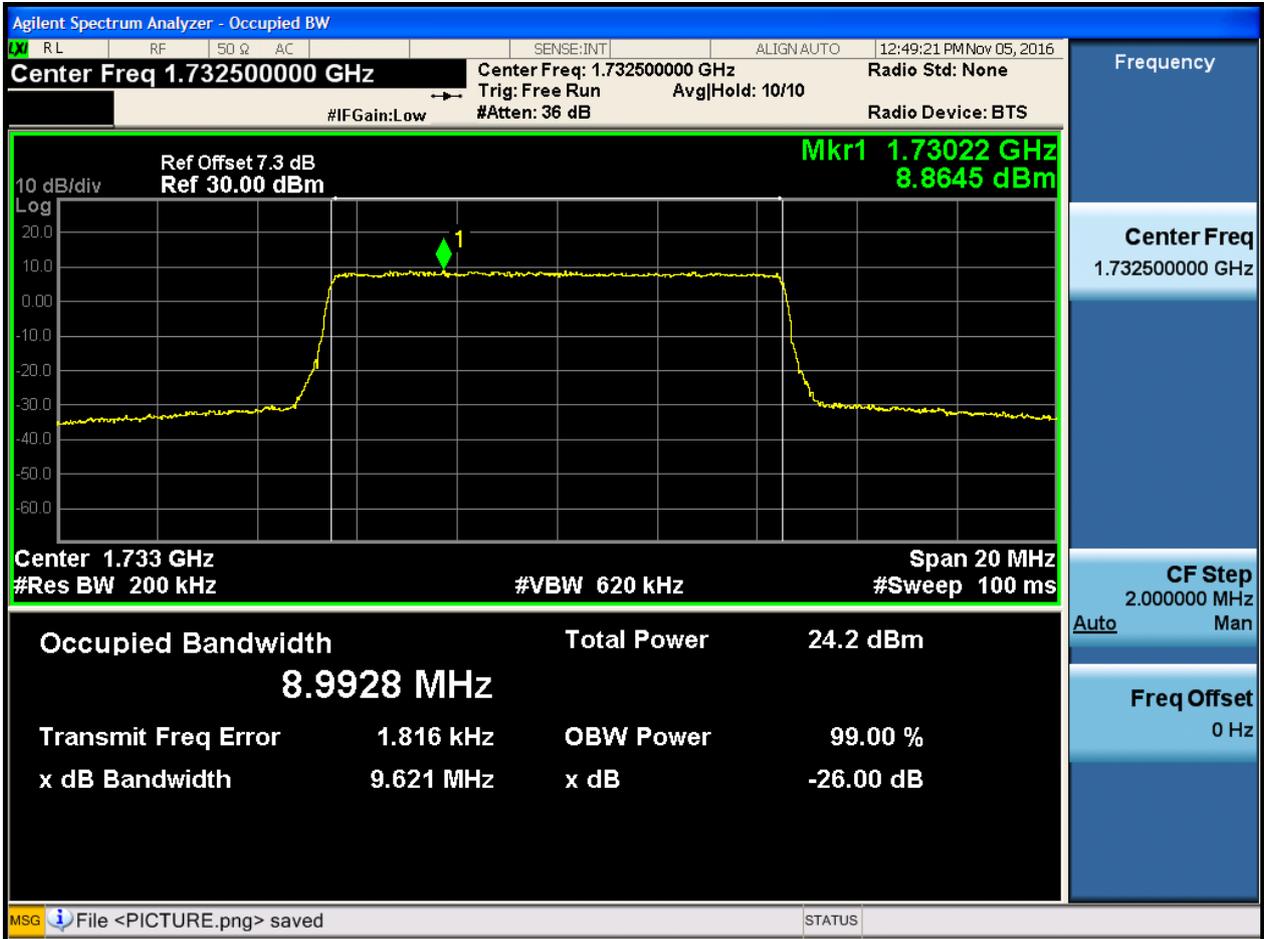
4.1.1.1.4.3 Test Channel = HCH

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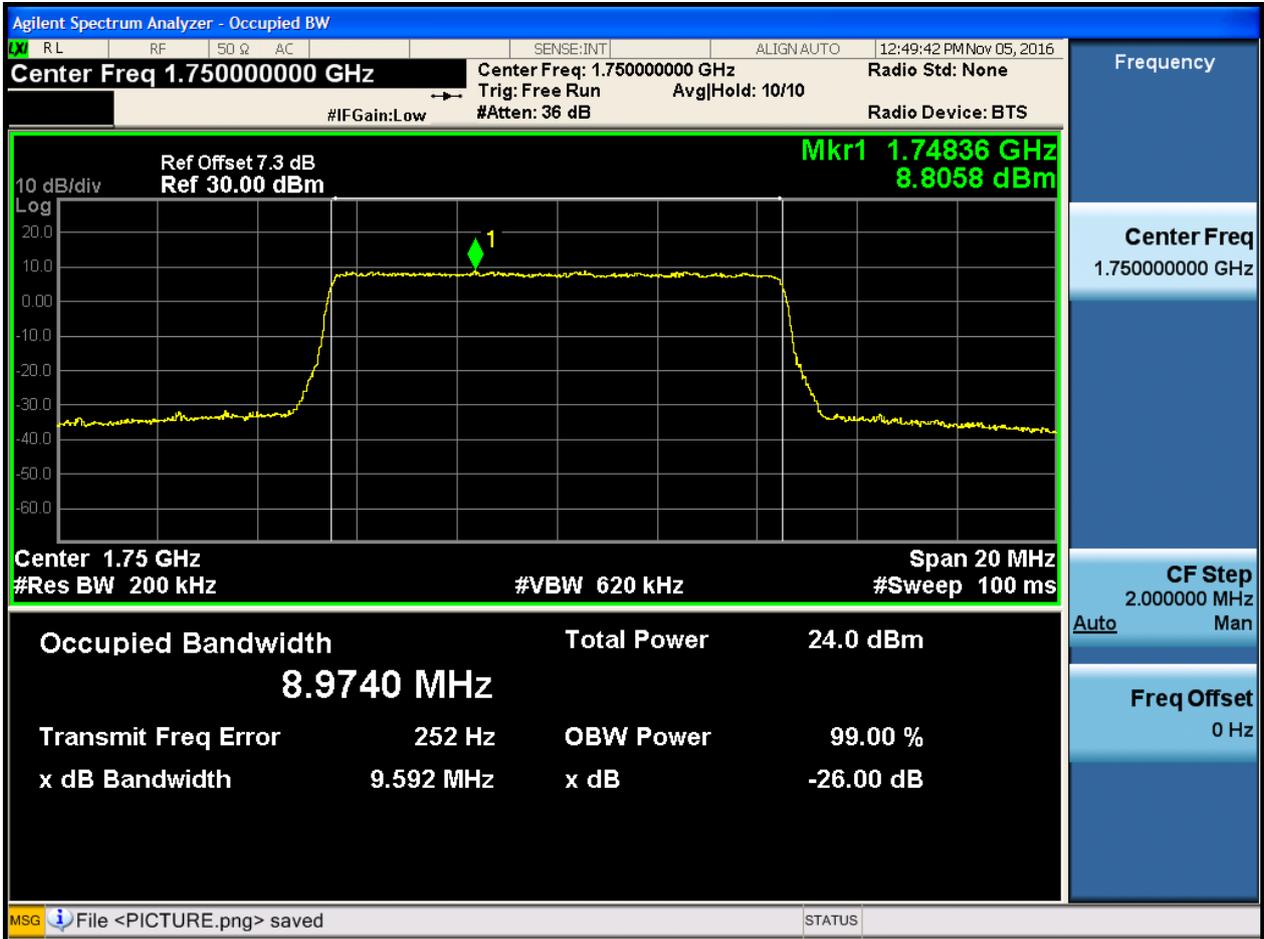
4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

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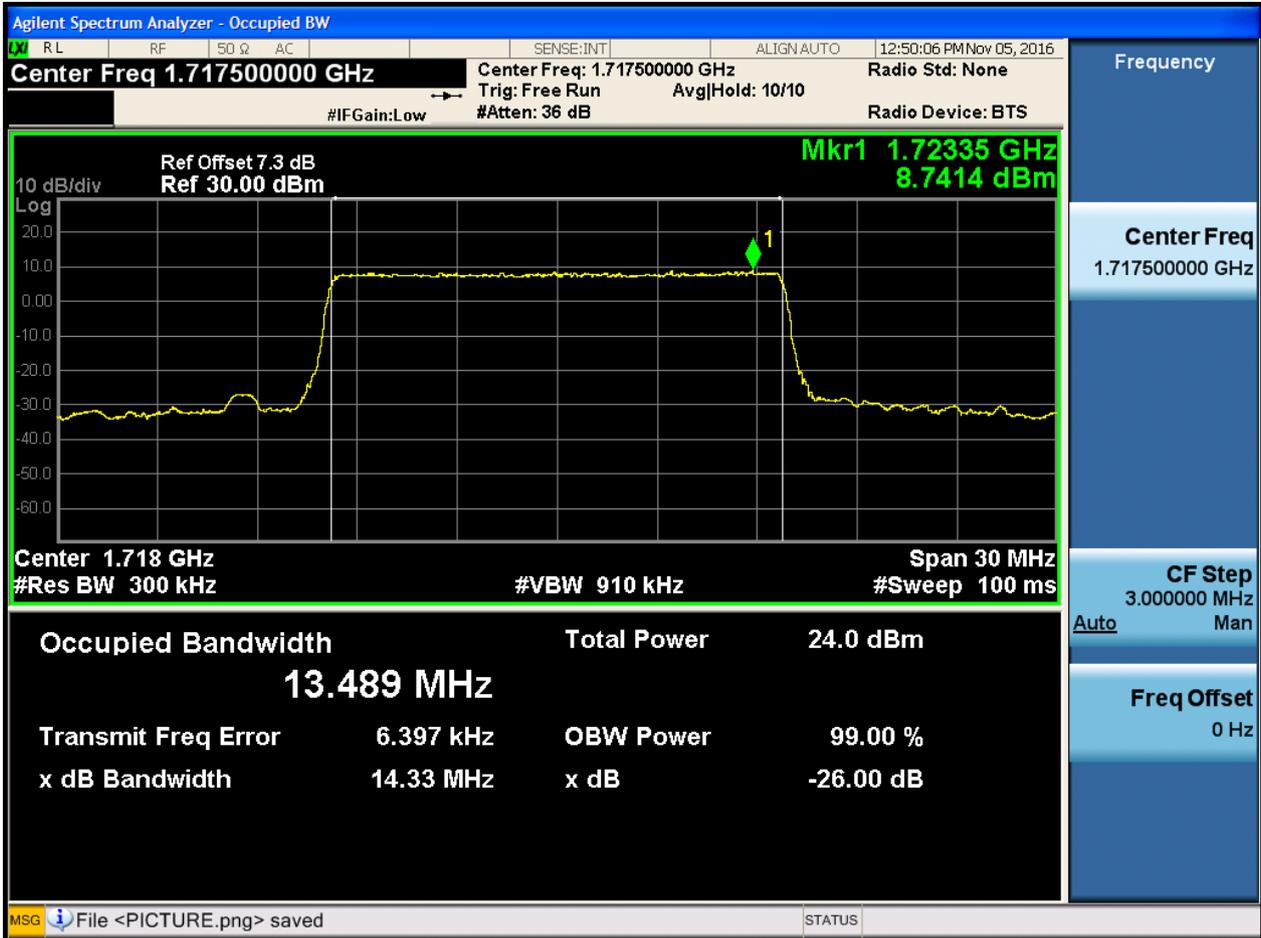
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0

Agilent Spectrum Analyzer - Occupied BW				
LXI R L	RF	50 Ω AC	SENSE:INT ALIGN AUTO 12:50:27 PM Nov 05, 2016	Frequency

Center Freq 1.732500000 GHz
Center Freq: 1.732500000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 36 dB   Radio Device: BTS

Mkr1 1.73838 GHz
8.4506 dBm

Ref Offset 7.3 dB
10 dB/div   Ref 30.00 dBm

Center 1.733 GHz   Span 30 MHz
#Res BW 300 kHz   #VBW 910 kHz   #Sweep 100 ms

Center Freq
1.732500000 GHz

CF Step
3.000000 MHz
Auto   Man

Occupied Bandwidth
13.479 MHz

Total Power   23.9 dBm

Transmit Freq Error   -1.812 kHz   OBW Power   99.00 %

x dB Bandwidth   14.33 MHz   x dB   -26.00 dB

Freq Offset
0 Hz

MSG File <PICTURE.png> saved   STATUS

4.1.1.1.5.3 Test Channel = HCH

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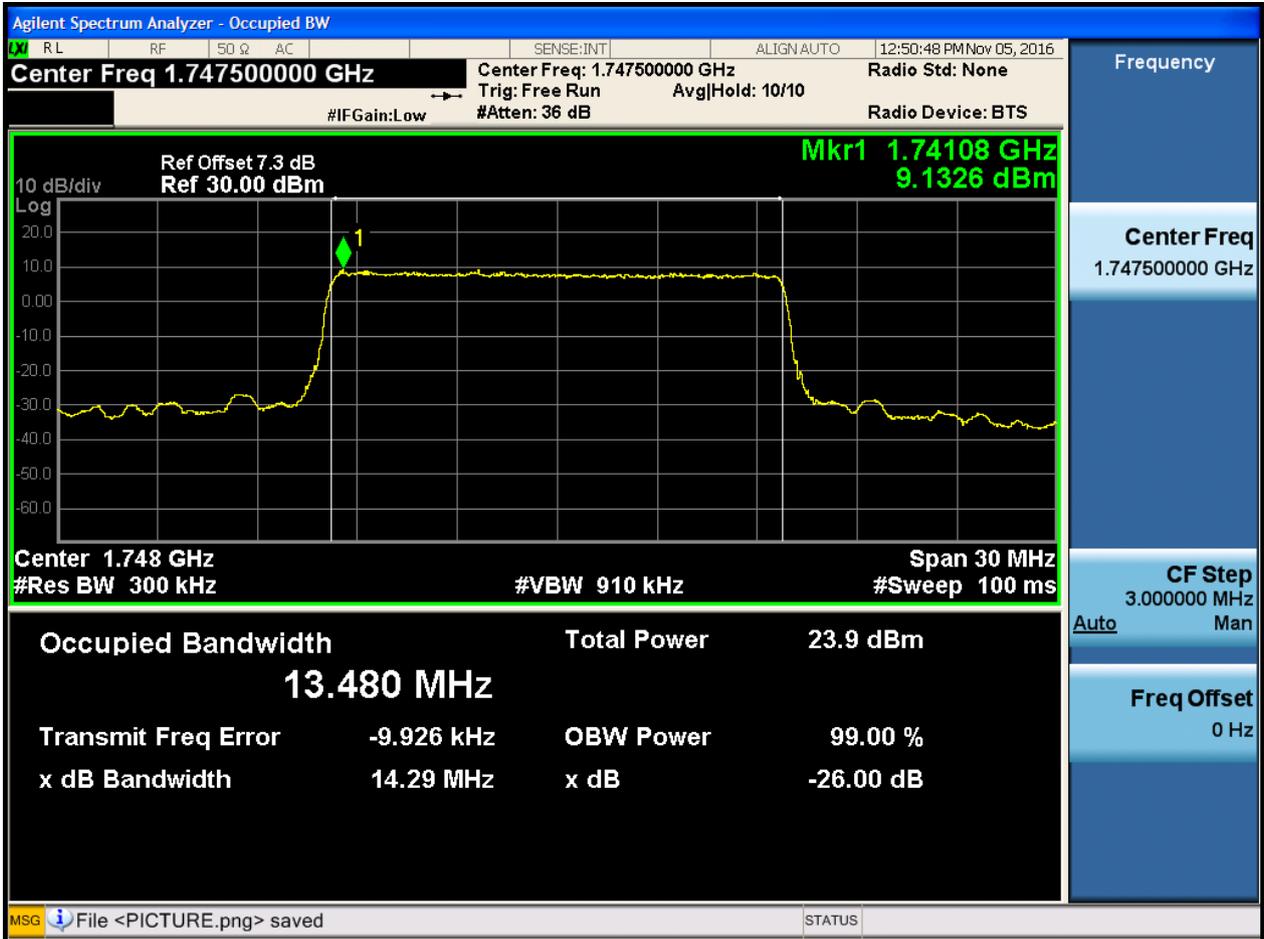
4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

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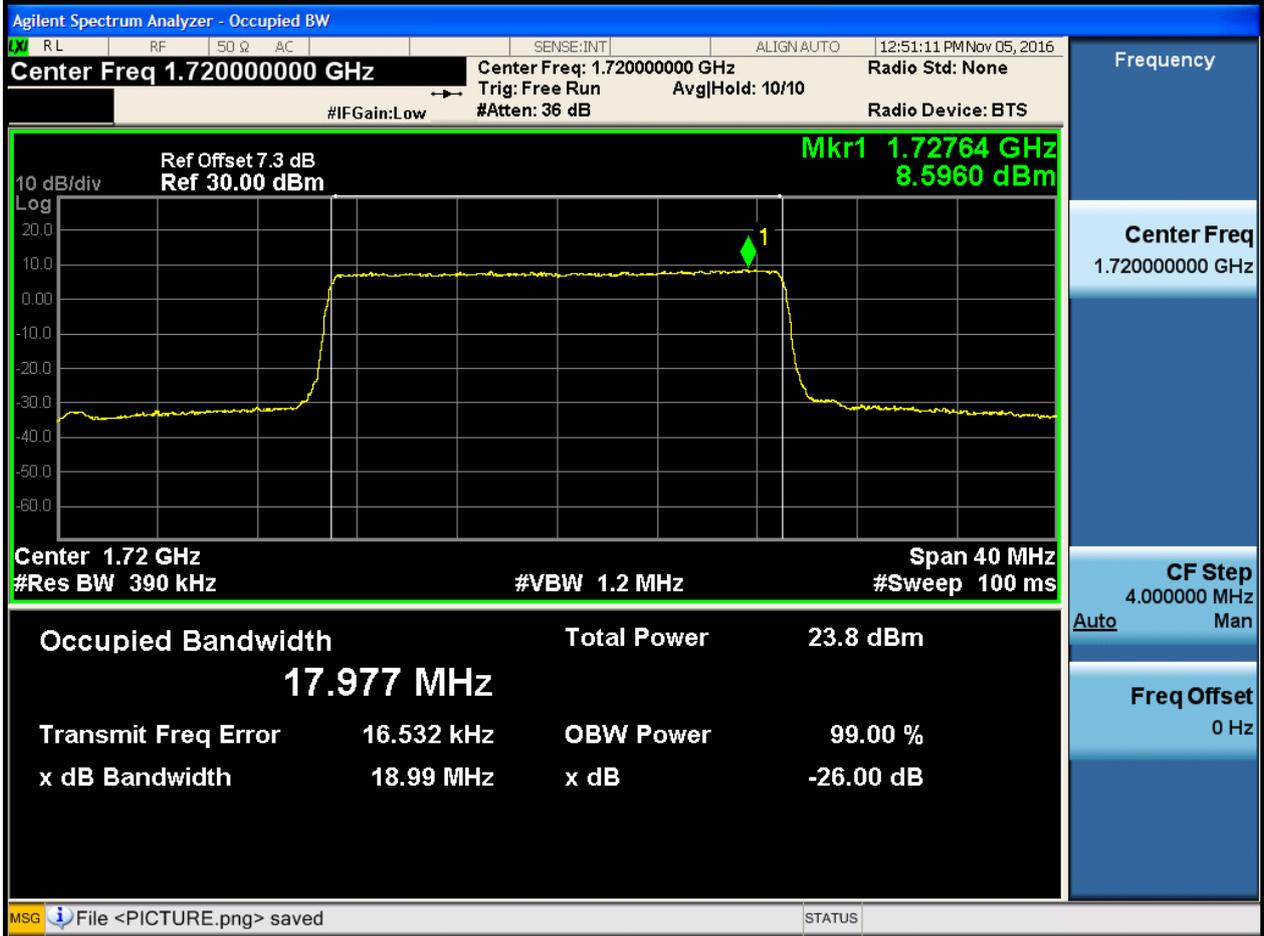
4.1.1.1.6.2 Test Channel = MCH

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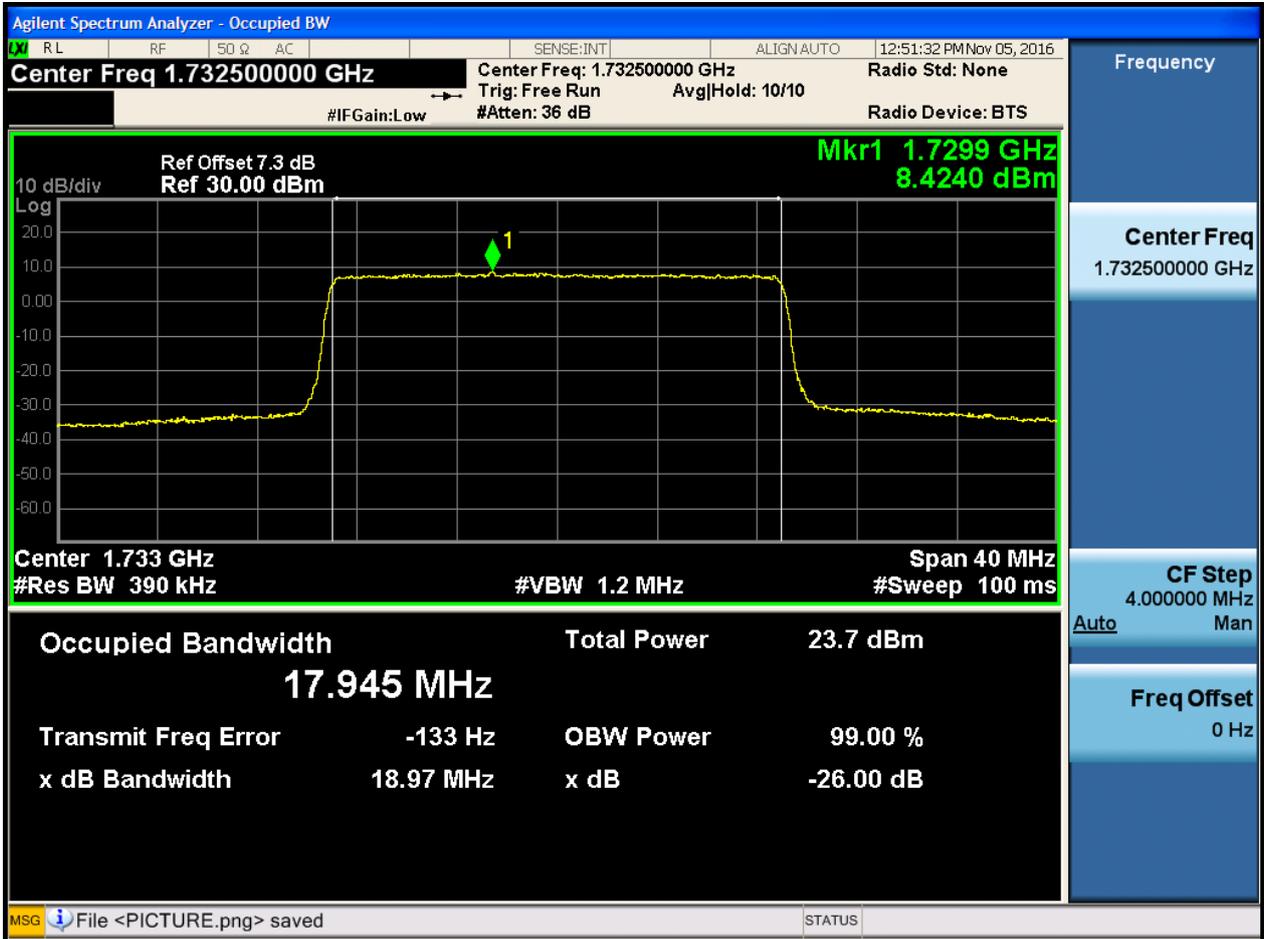
4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0
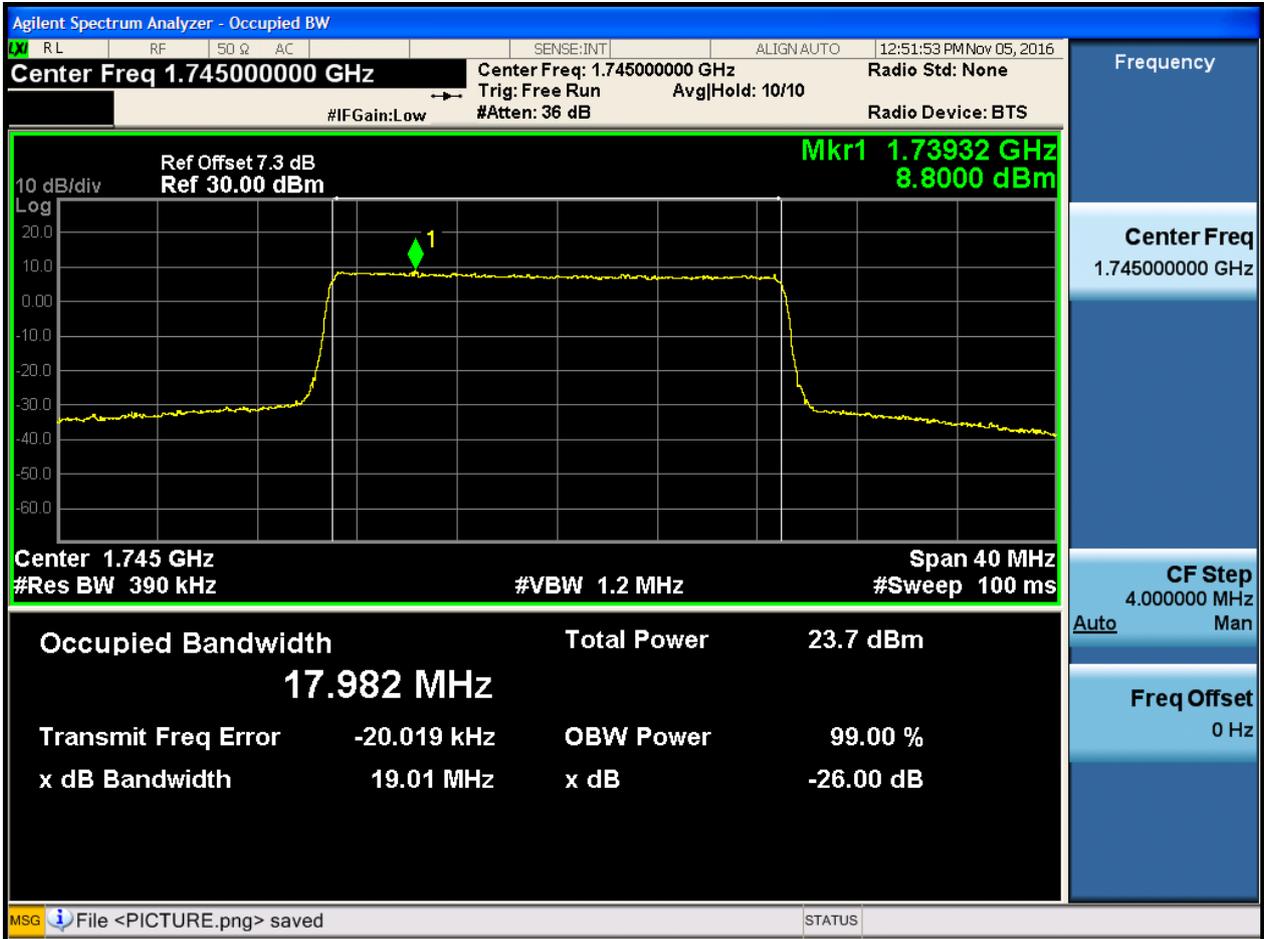
4.1.1.2 Test Mode = LTE/TM2

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
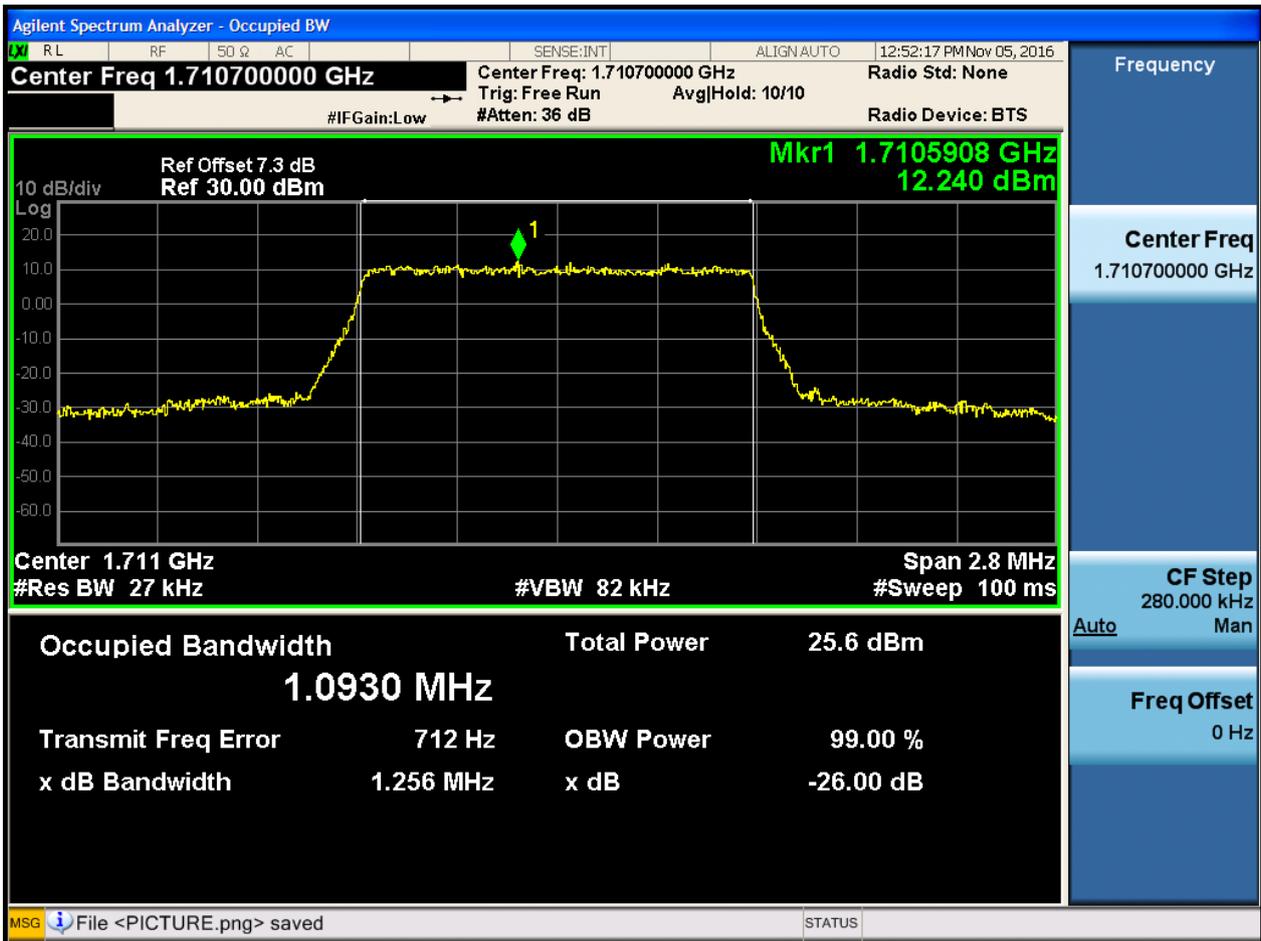
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0

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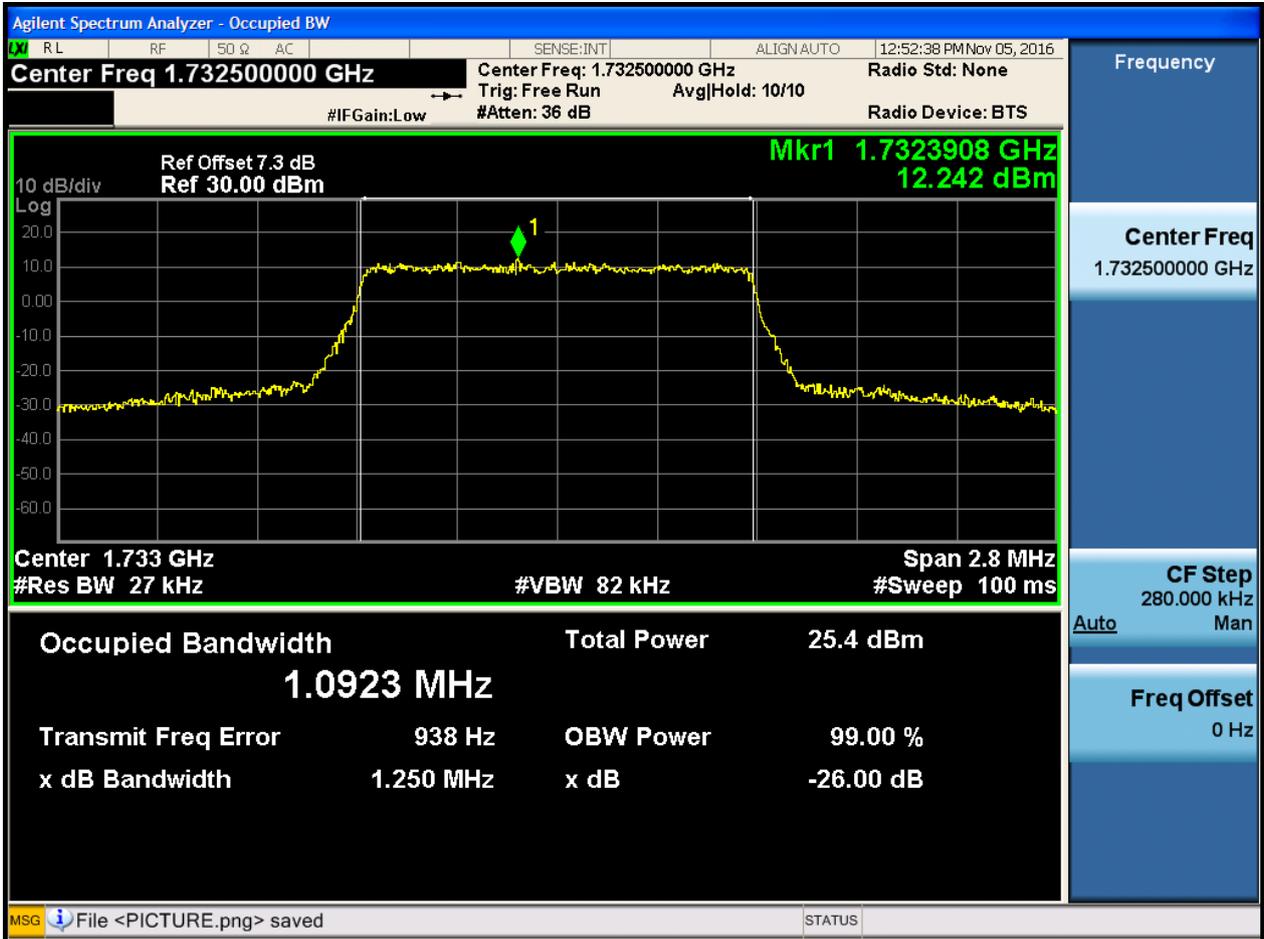
4.1.1.2.1.3 Test Channel = HCH

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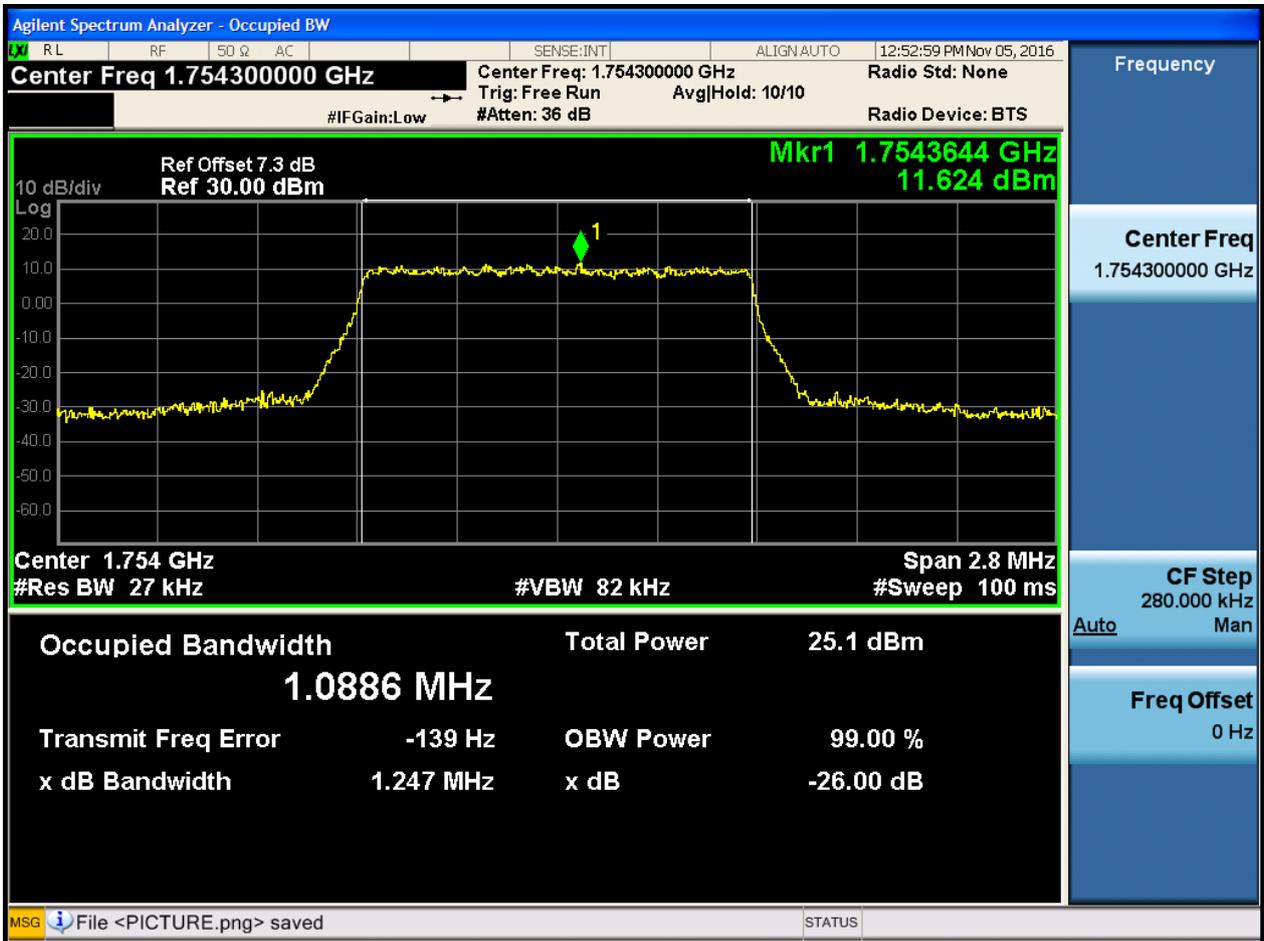
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

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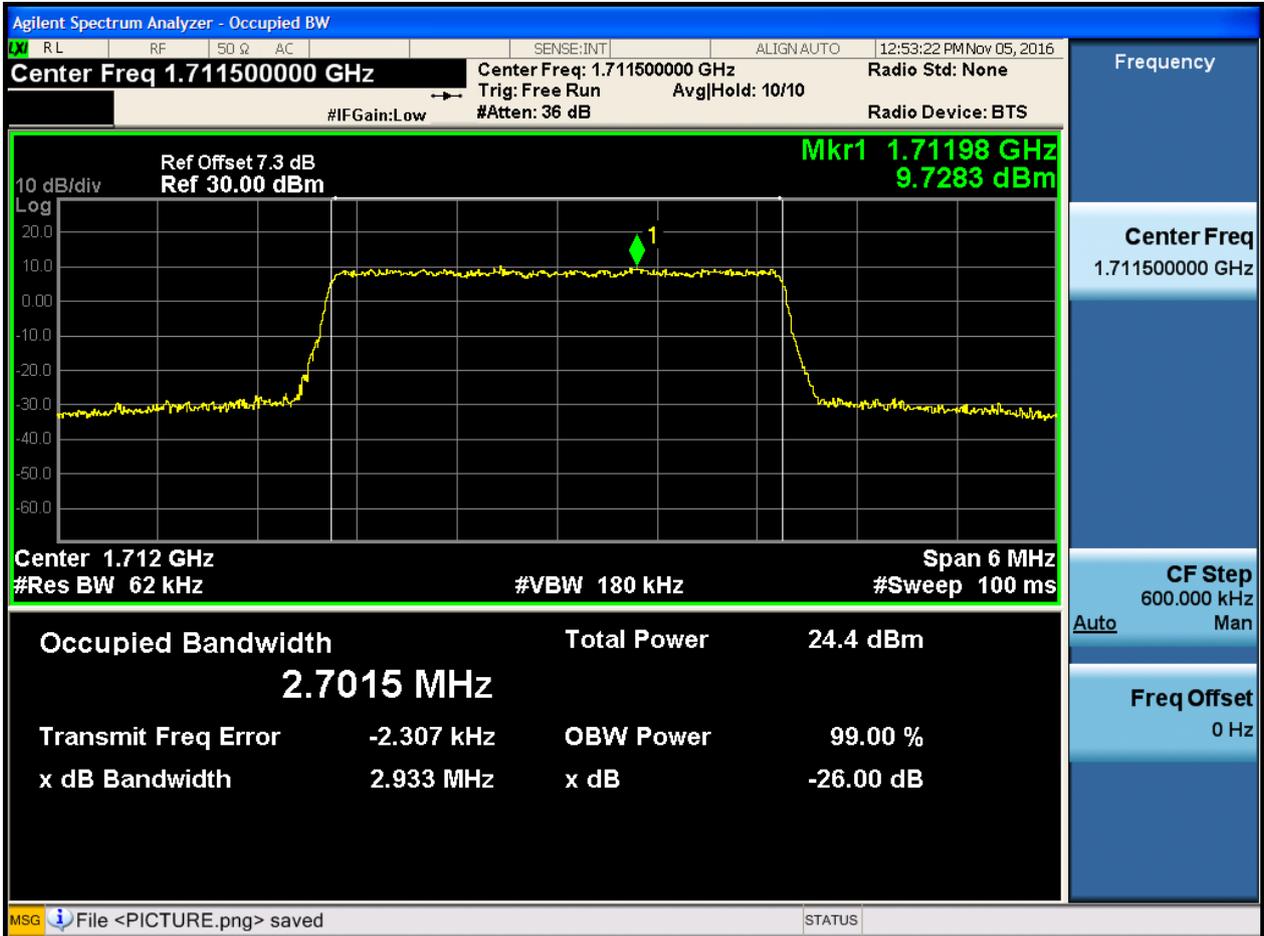
4.1.1.2.2.2 Test Channel = MCH

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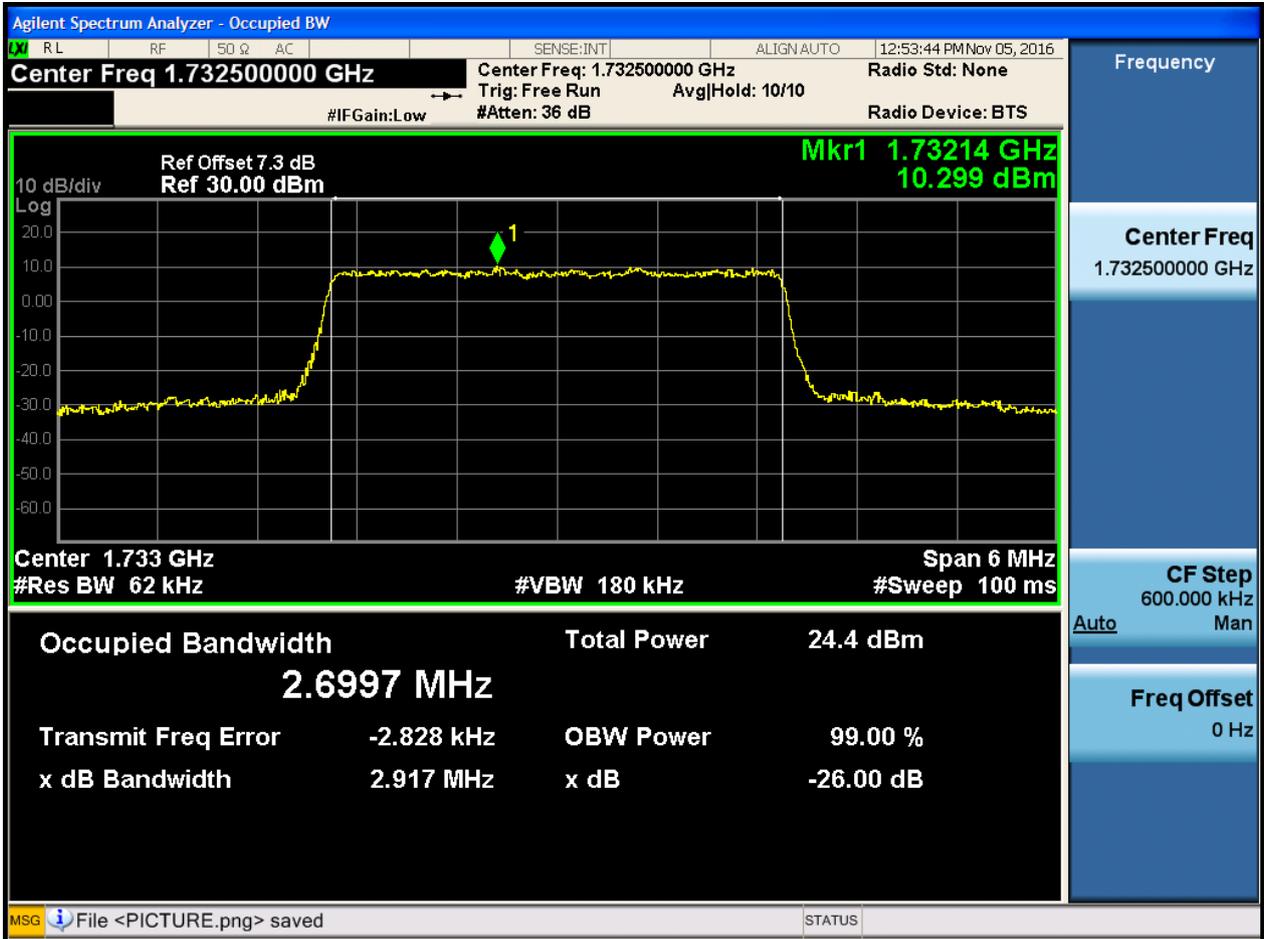
4.1.1.2.2.3 Test Channel = HCH

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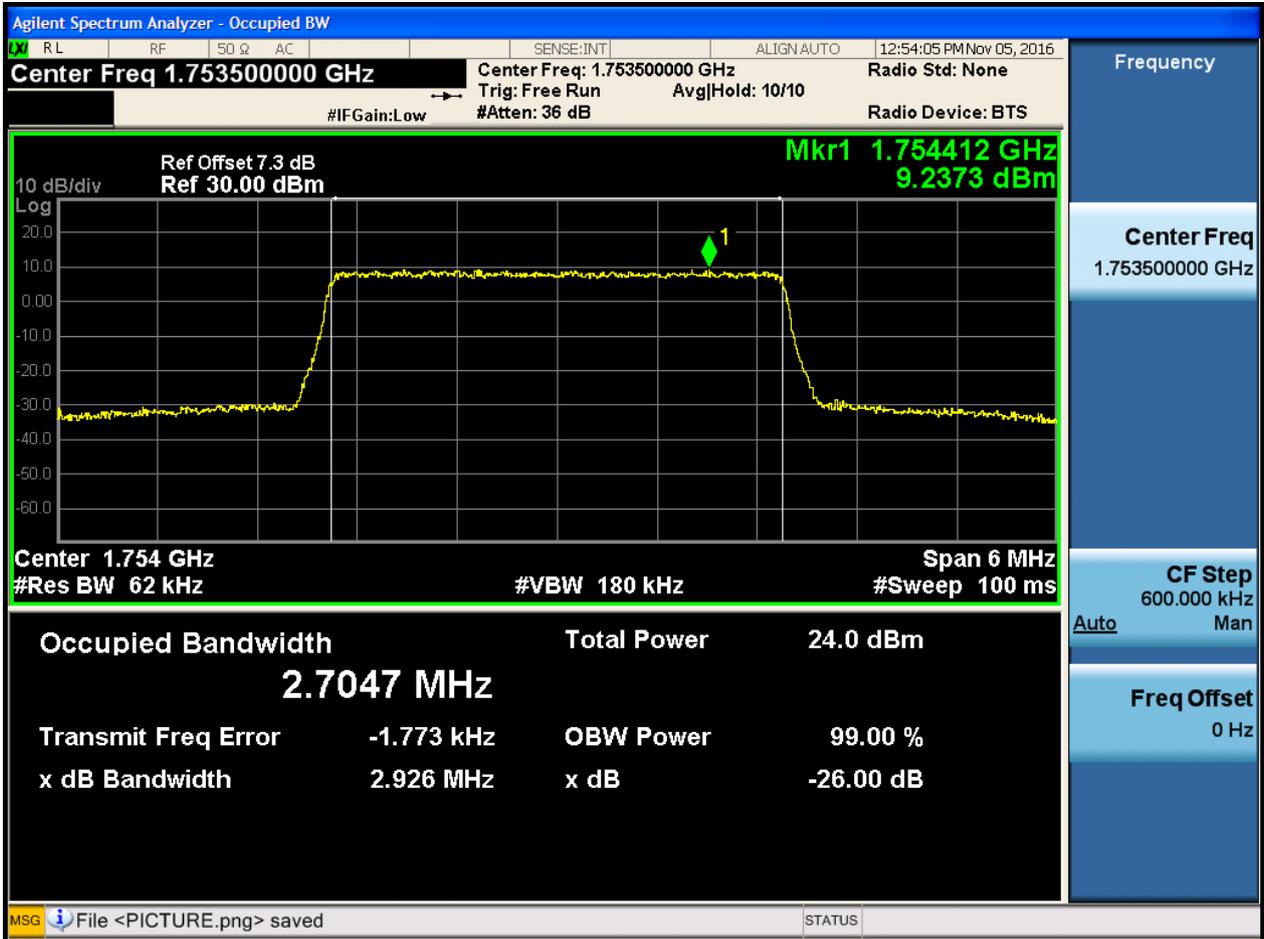
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0

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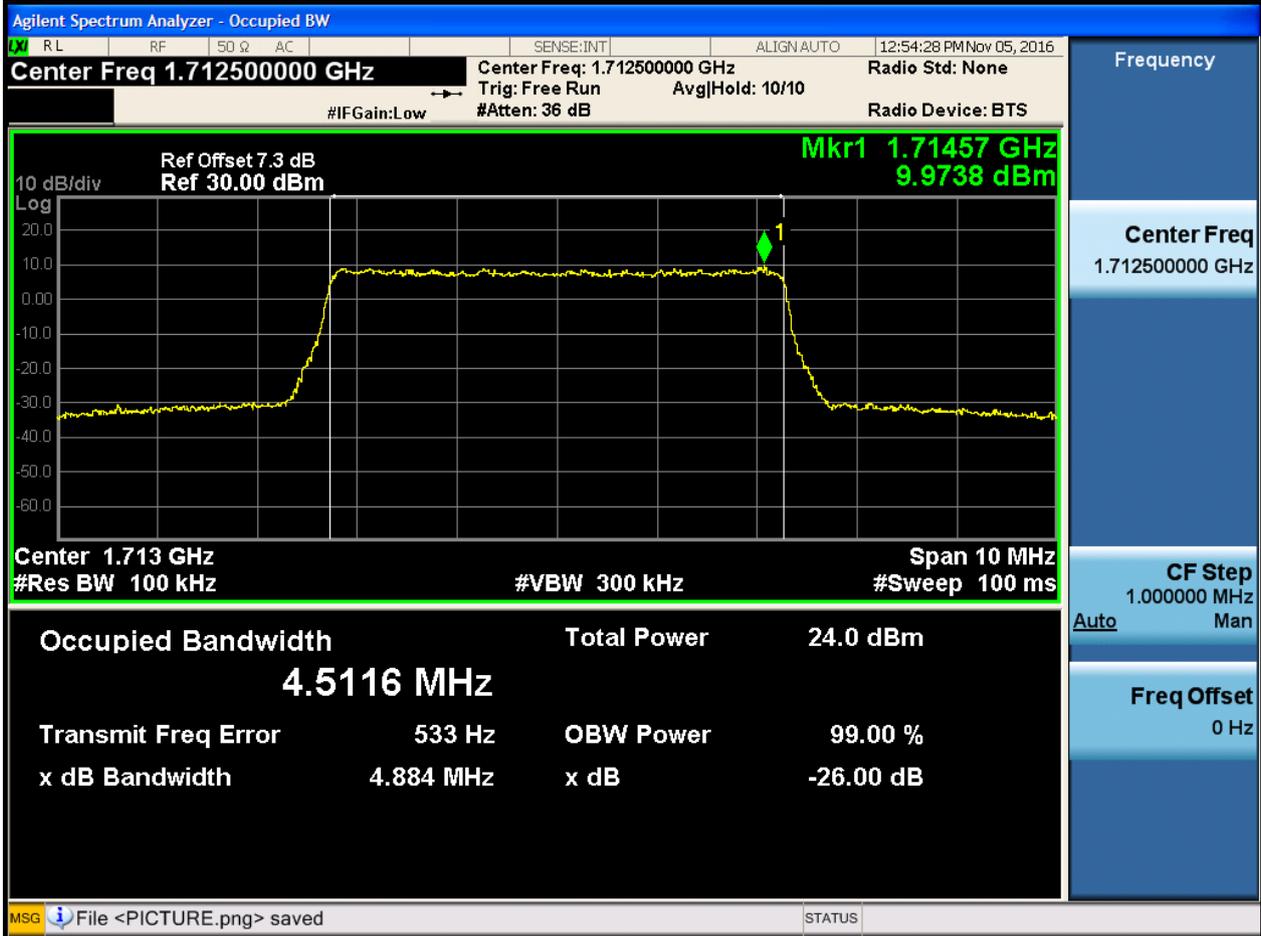
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0
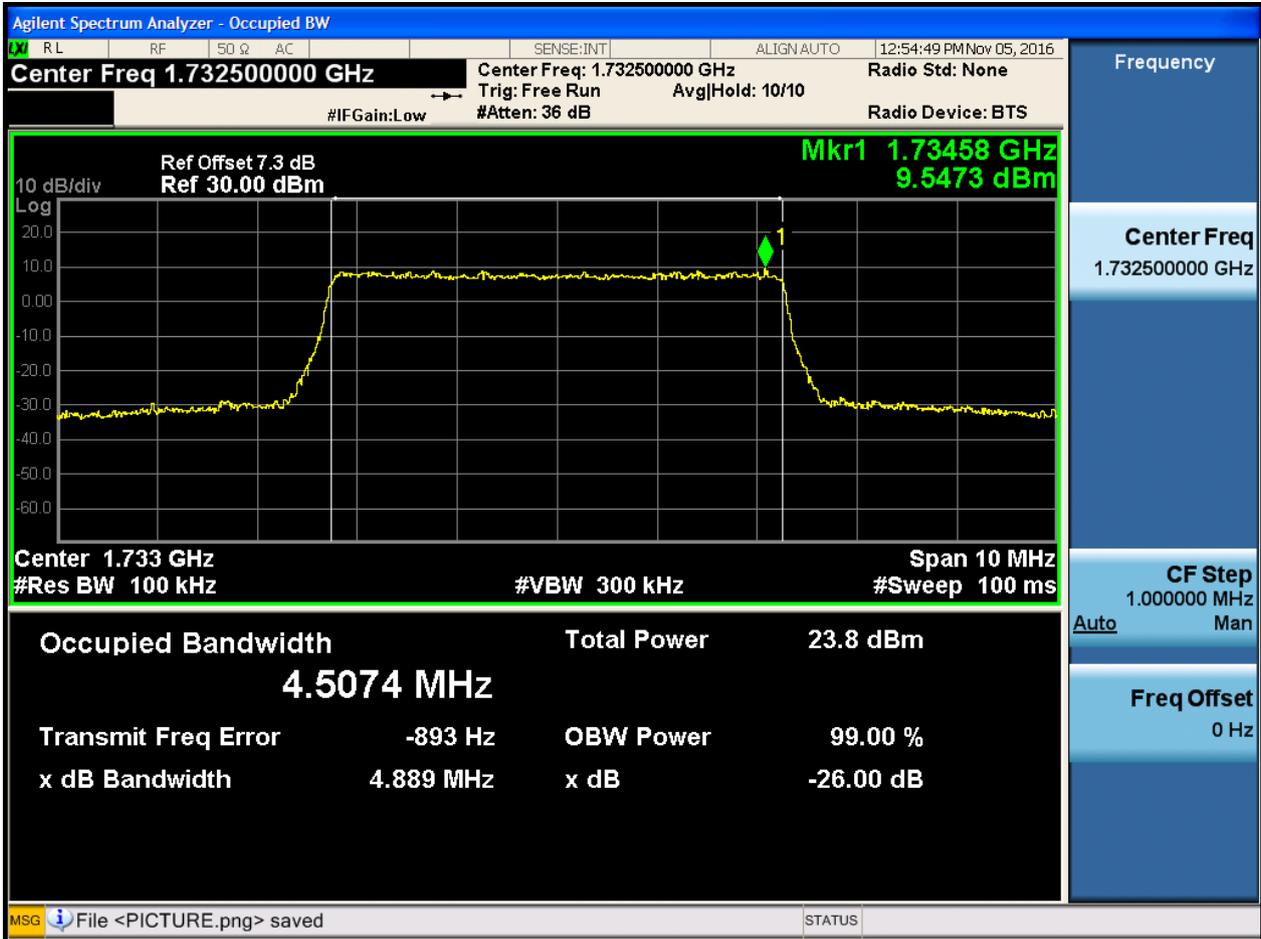
4.1.1.2.3.3 Test Channel = HCH

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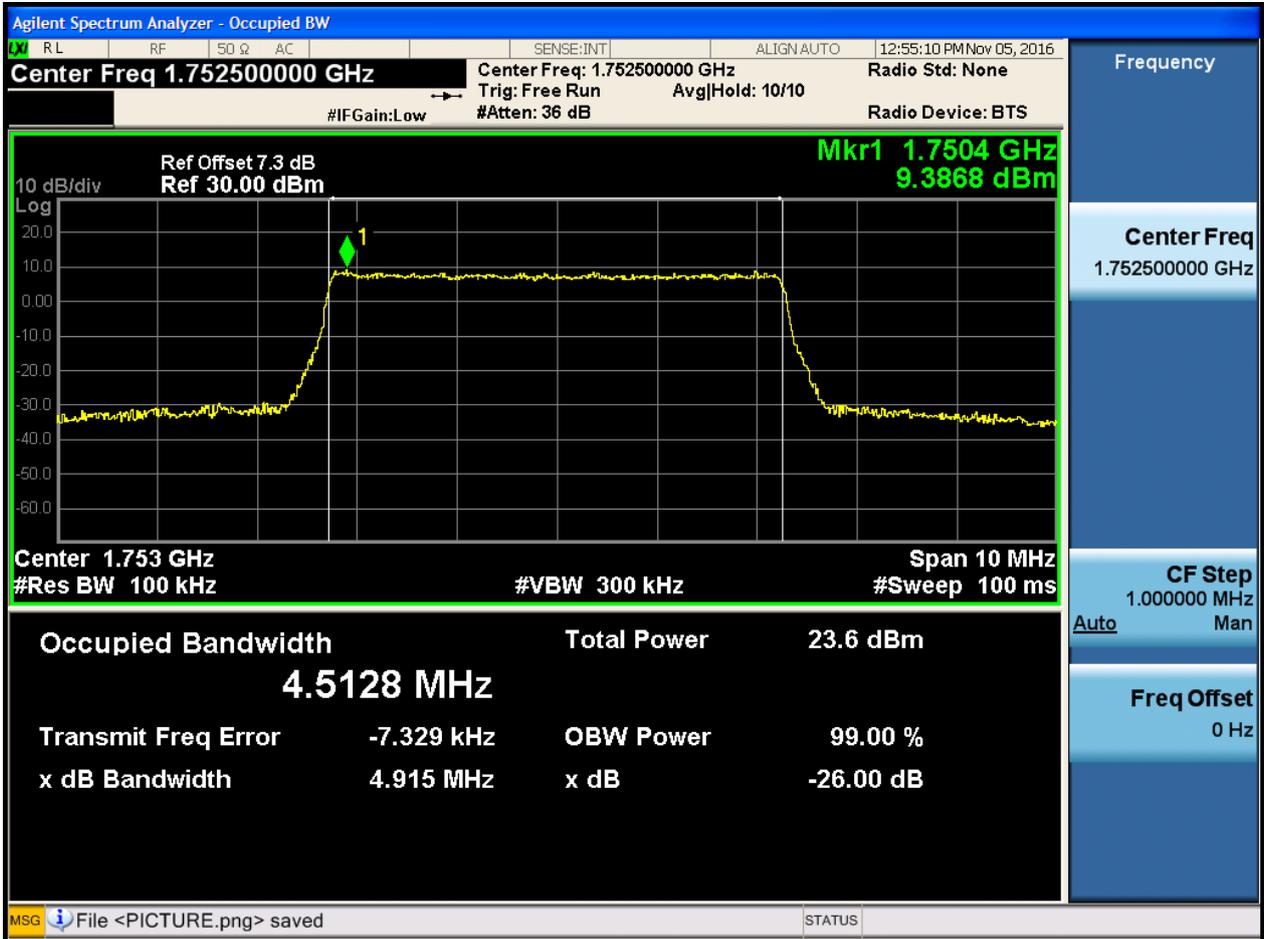
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

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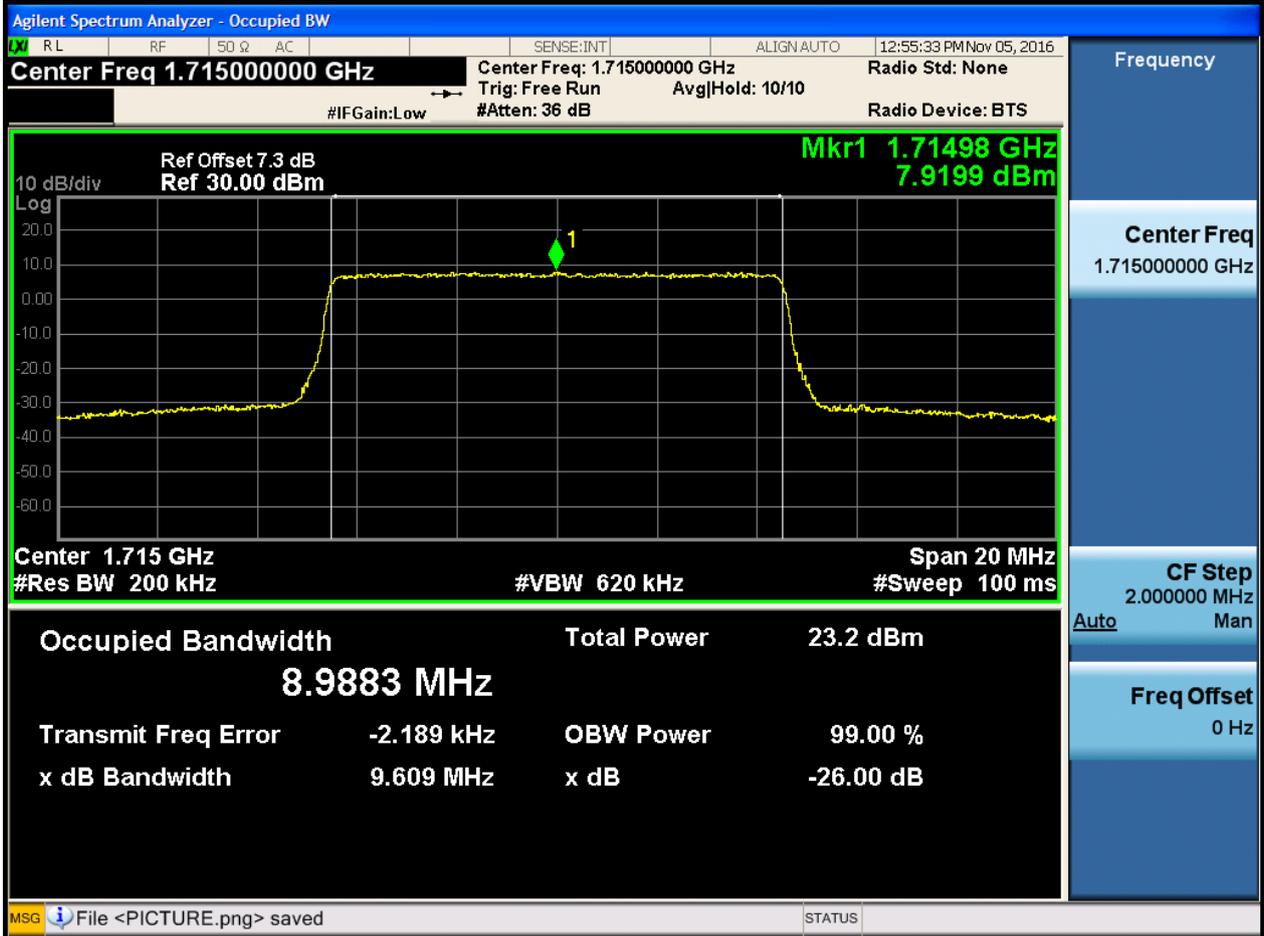
4.1.1.2.4.2 Test Channel = MCH

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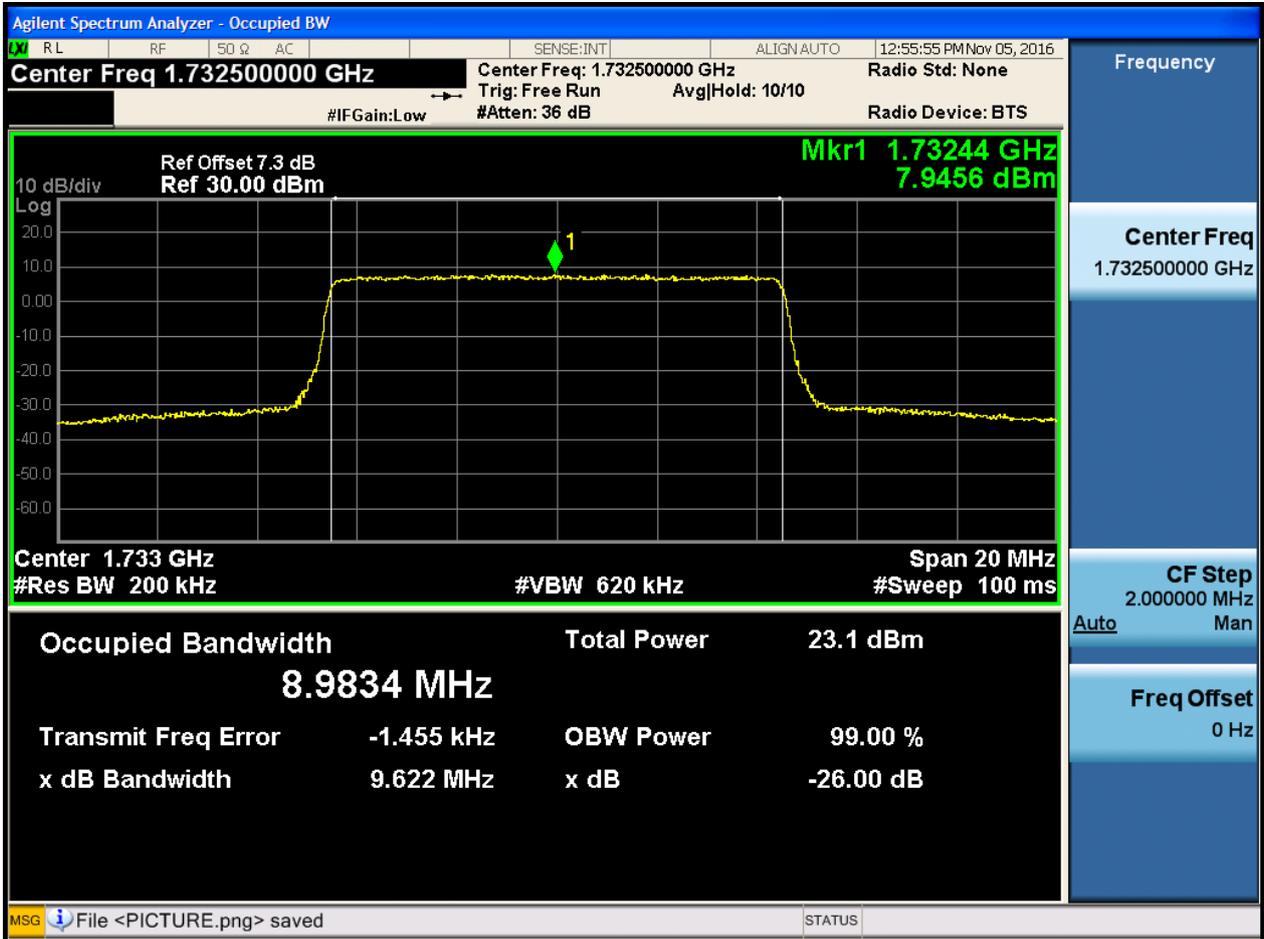
4.1.1.2.4.3 Test Channel = HCH

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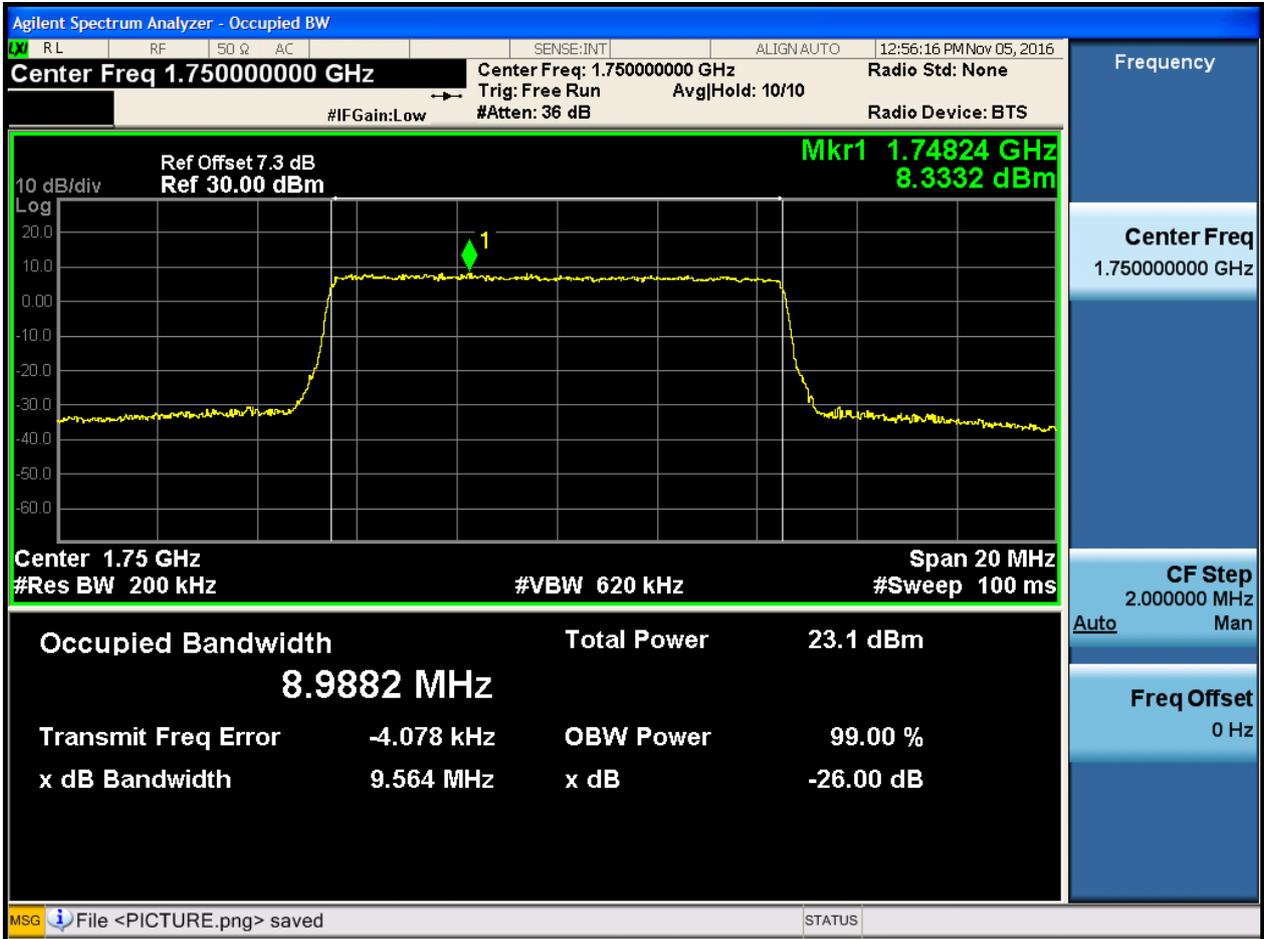
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

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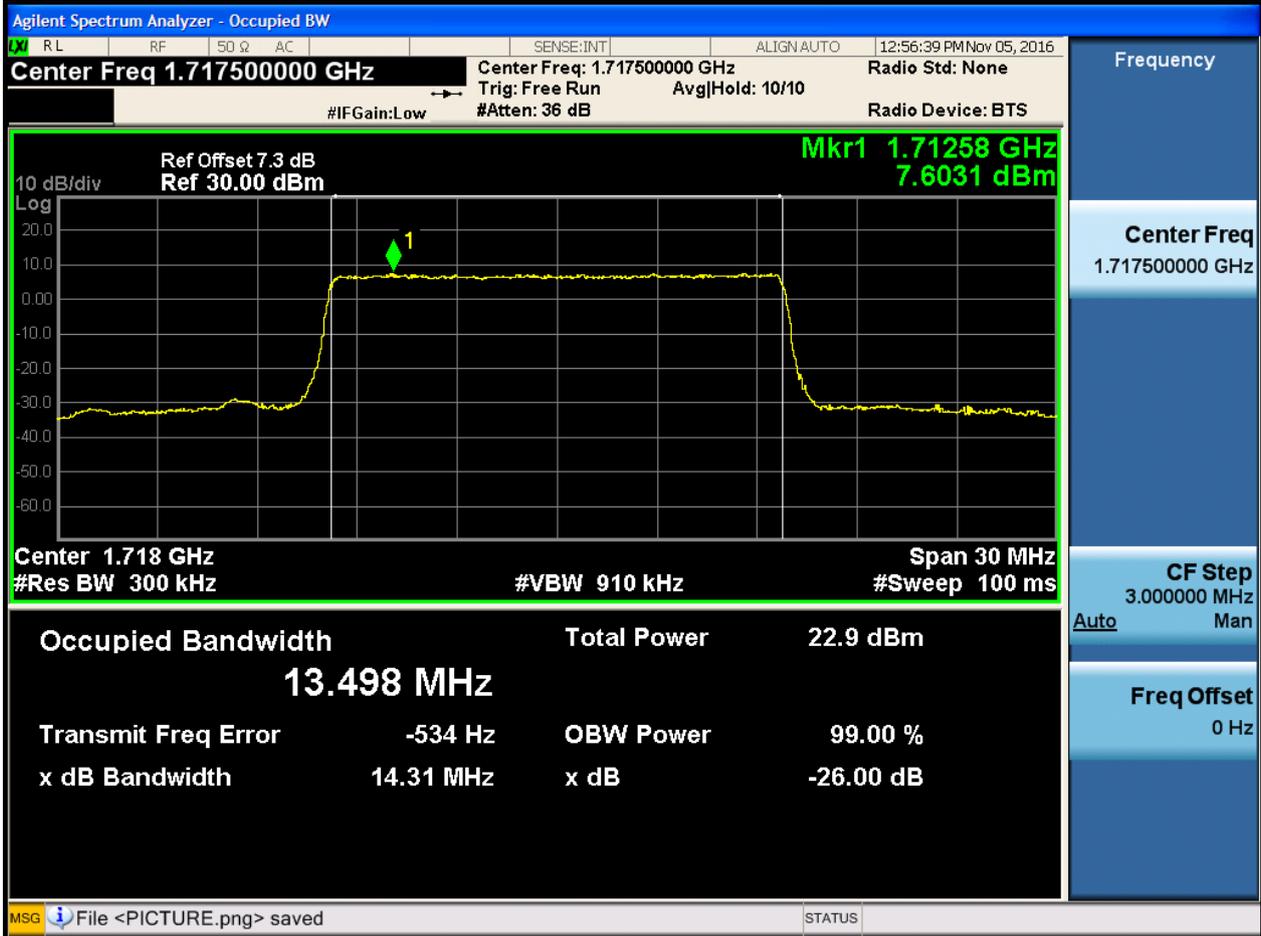
4.1.1.2.5.2 Test Channel = MCH

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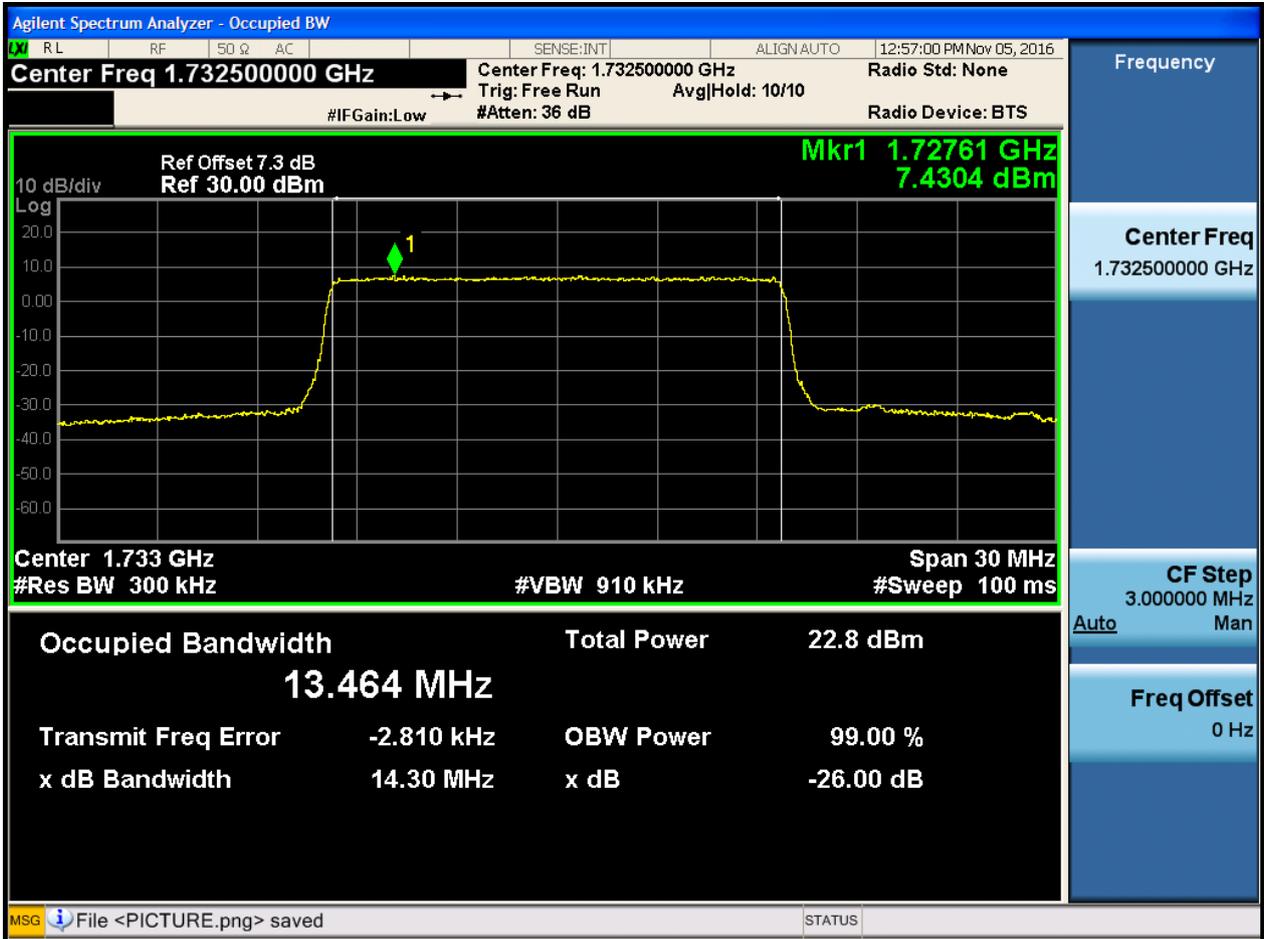
4.1.1.2.5.3 Test Channel = HCH

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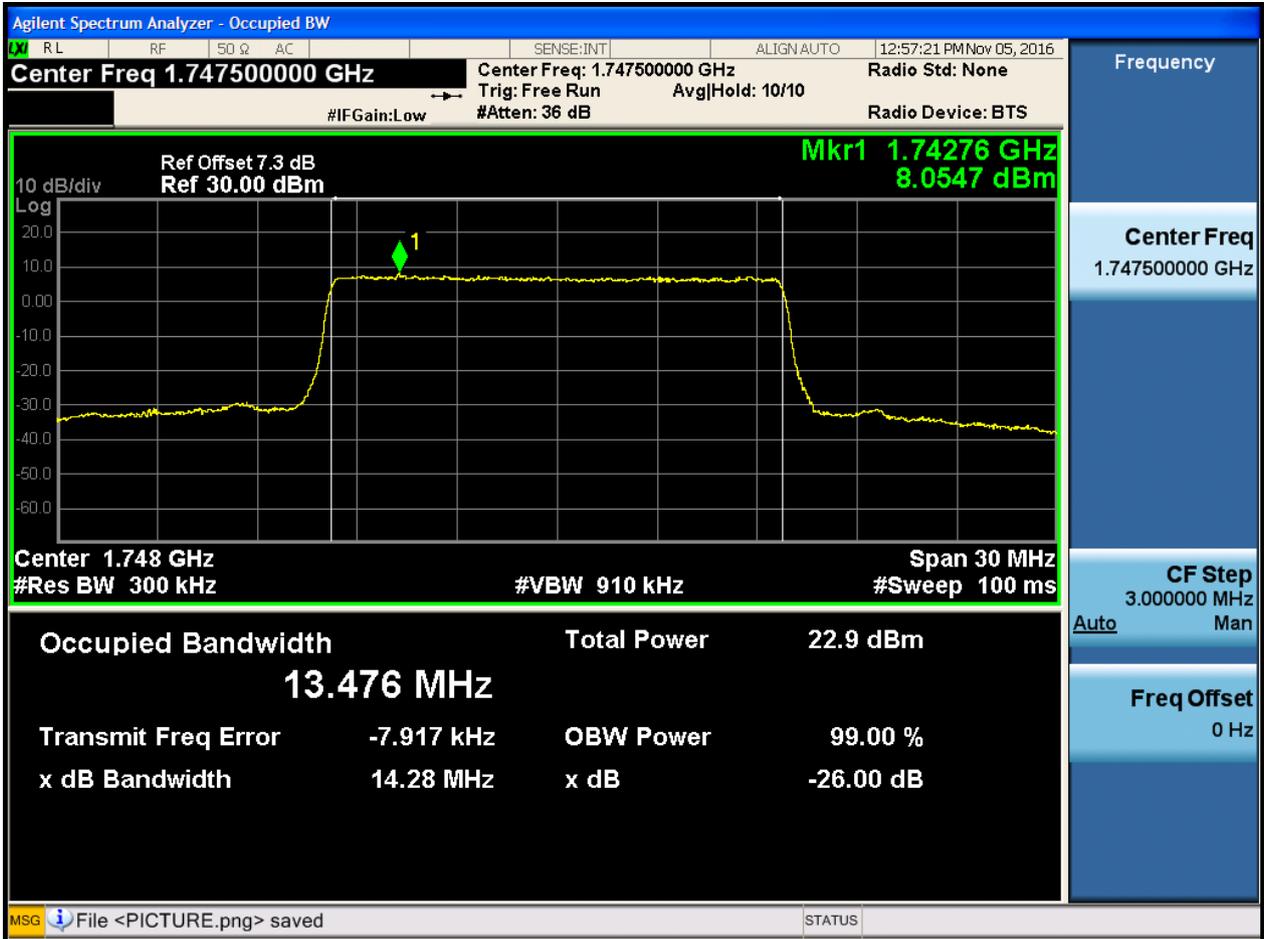
4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

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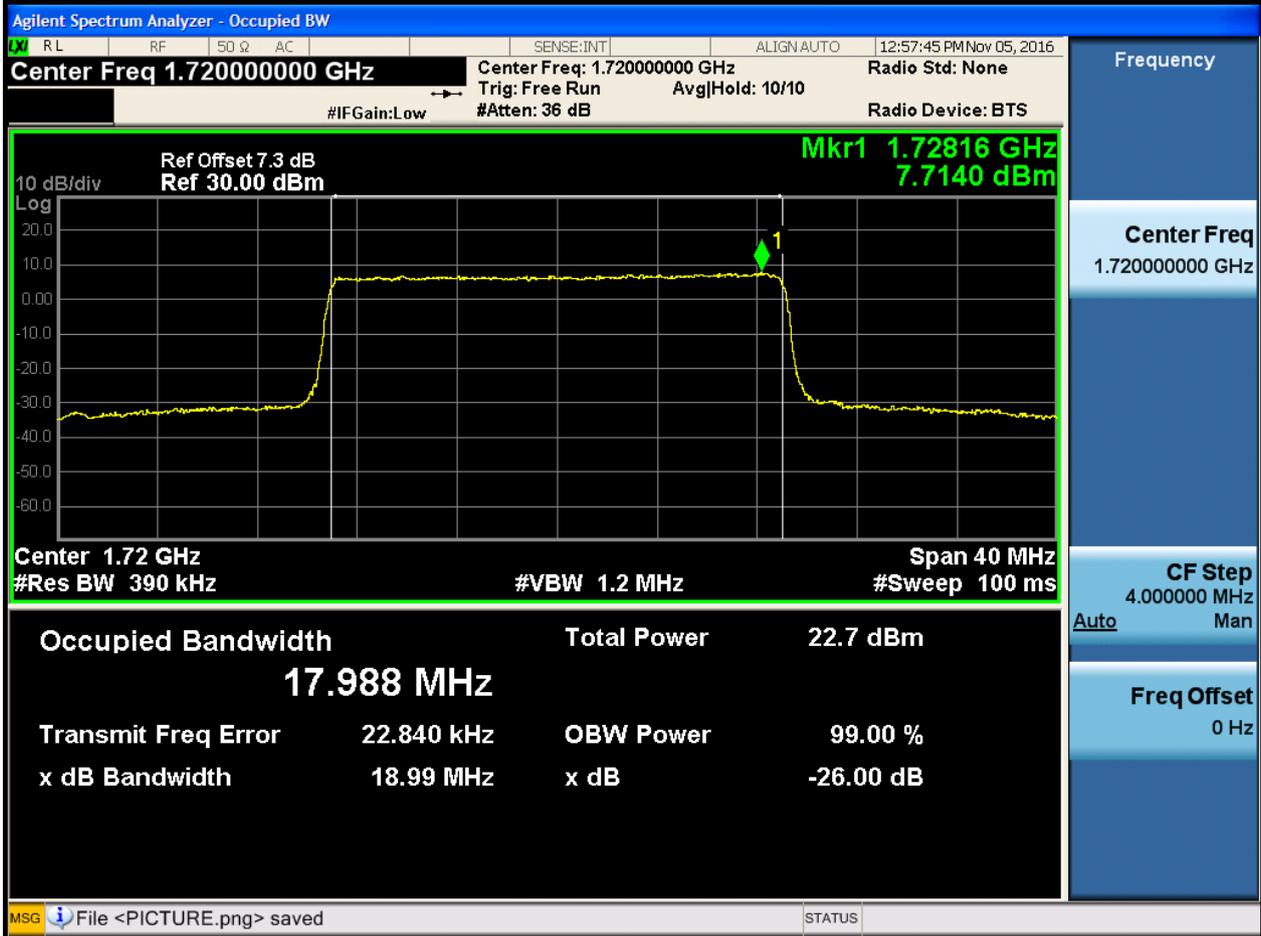
4.1.1.2.6.2 Test Channel = MCH

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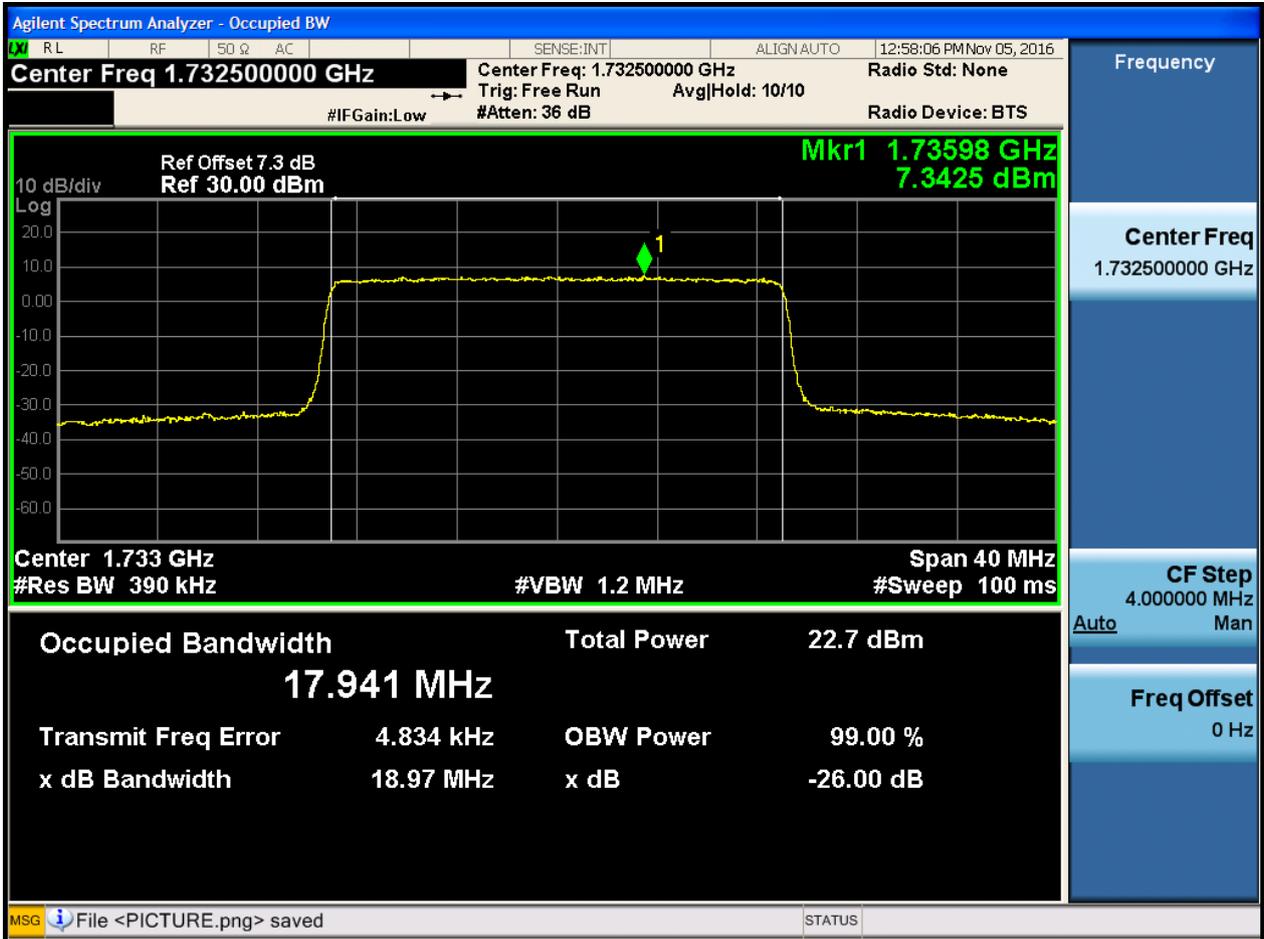
4.1.1.2.6.3 Test Channel = HCH

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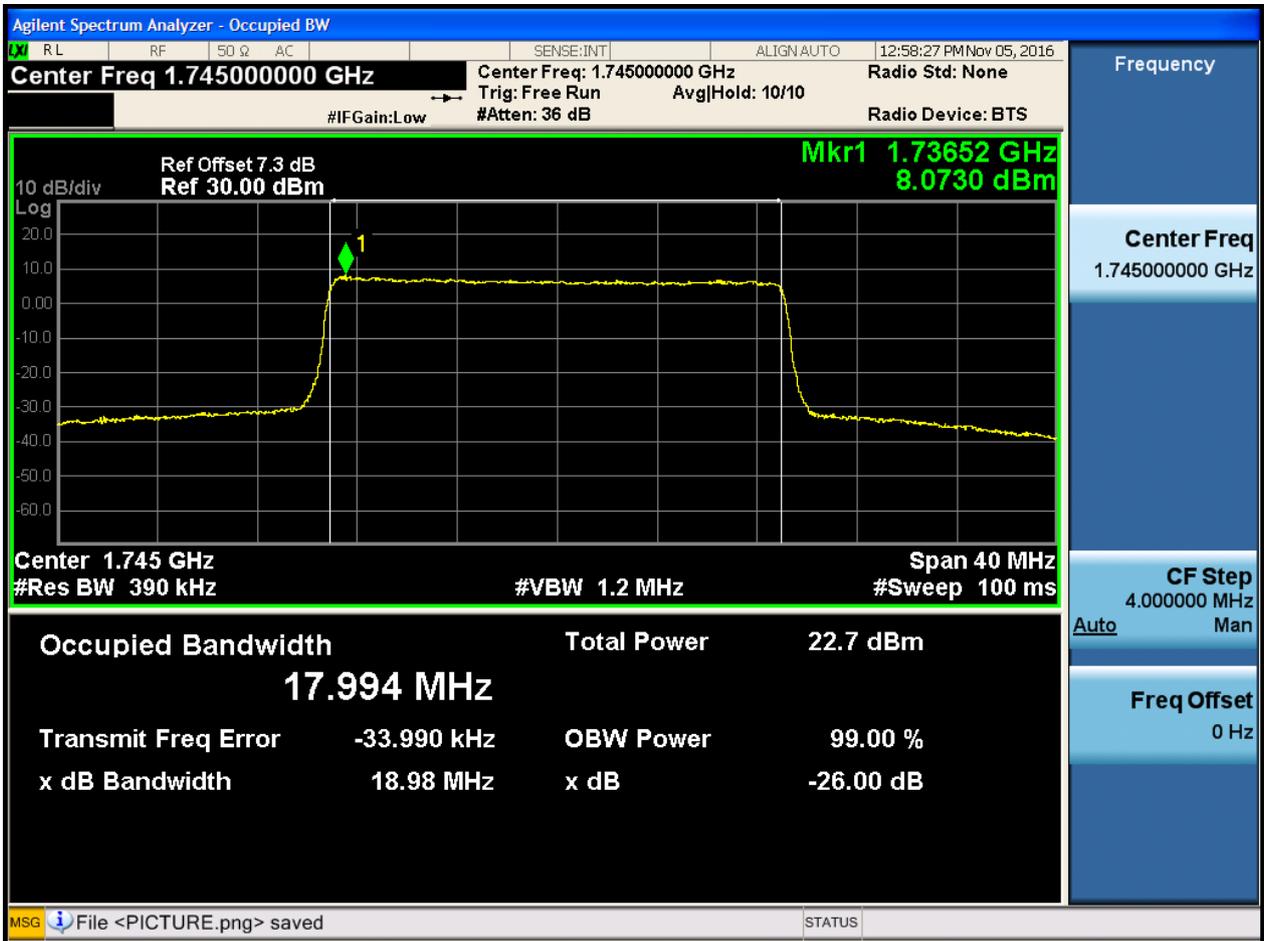
5Appendix_E: Band Edges Compliance

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

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5.1.1.1.1.2 Test Channel = HCH

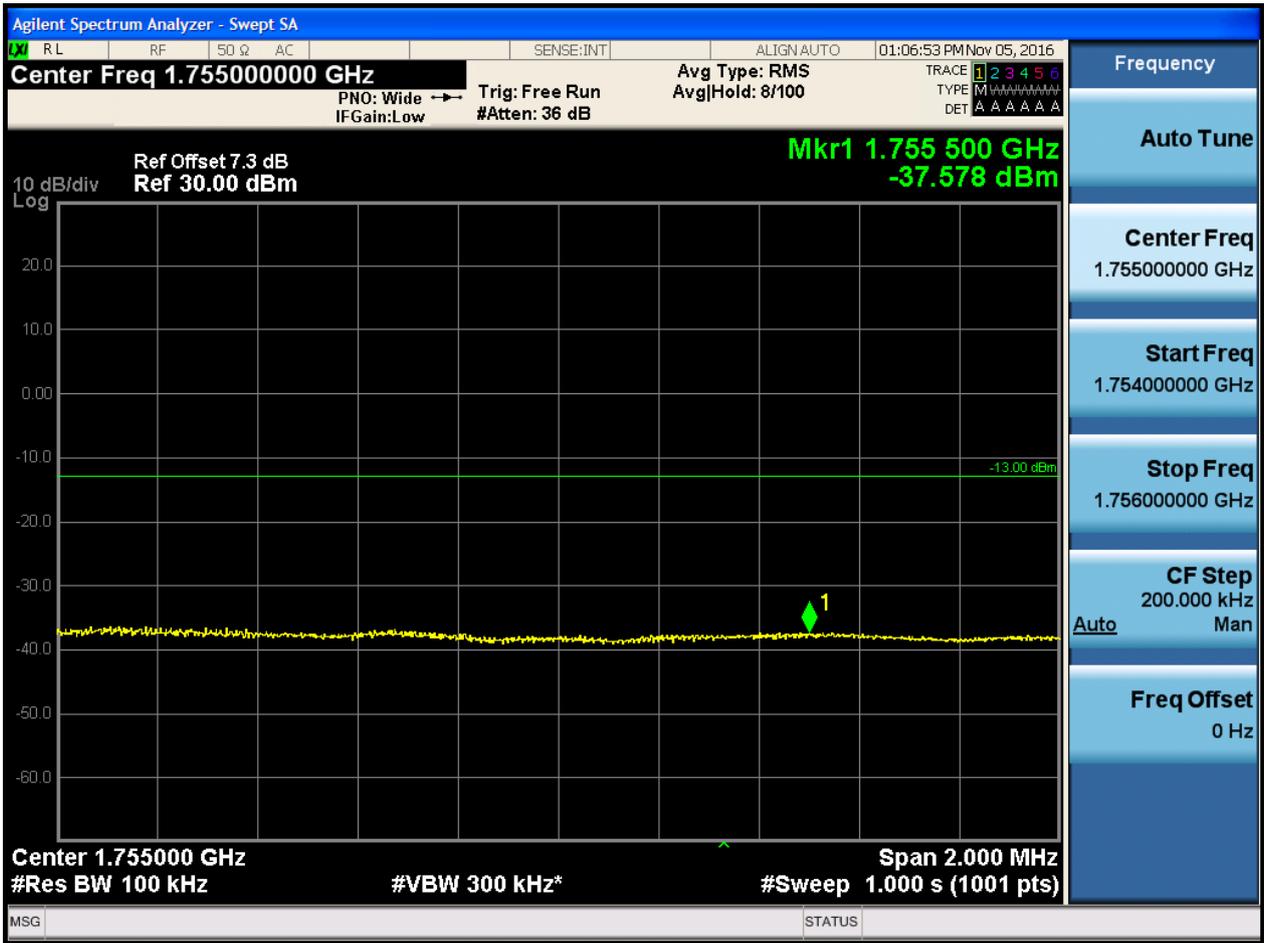## 5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 Test RB = RB1#5
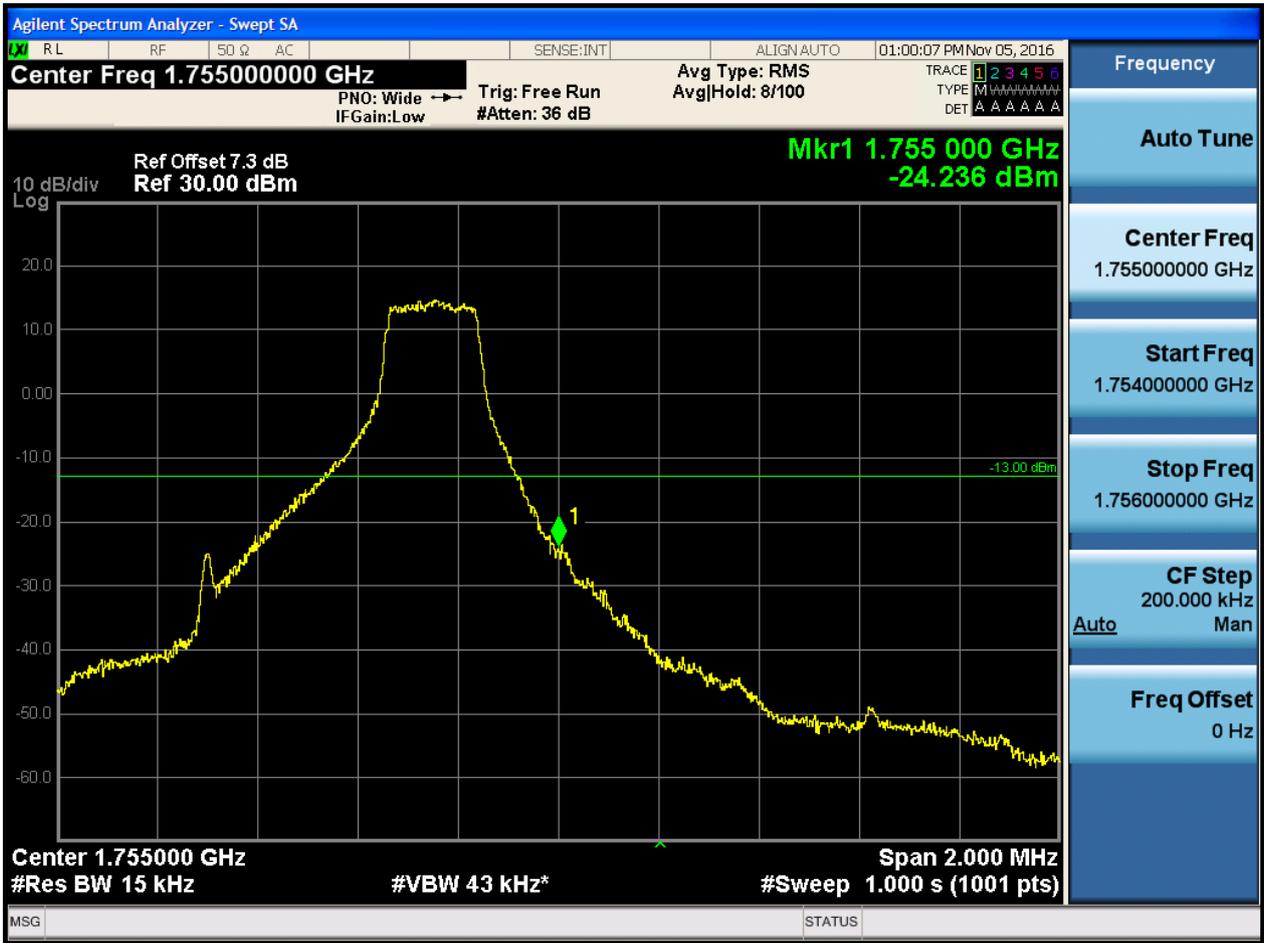
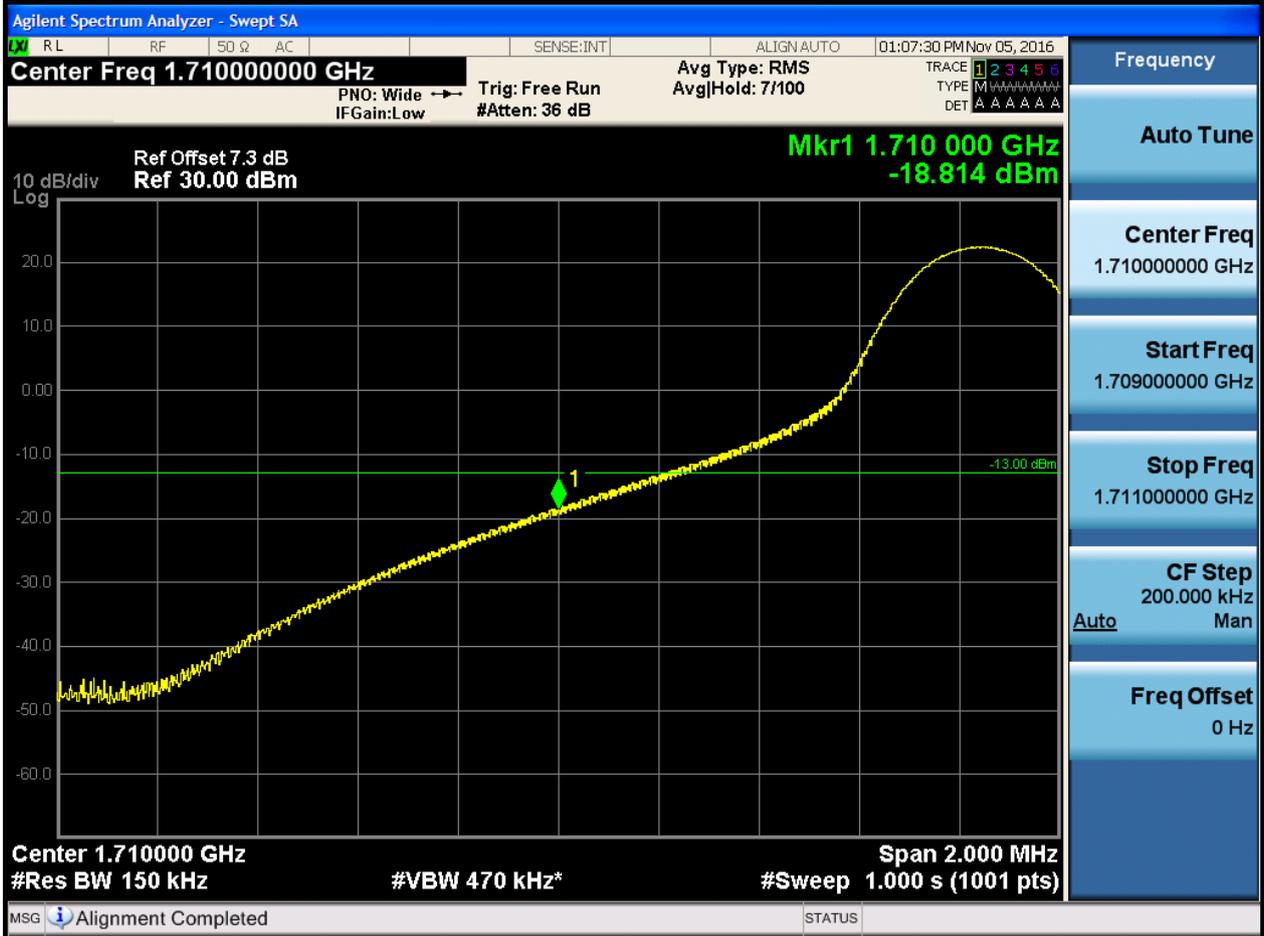## 5.1.1.1.1.2.3 Test RB = RB3#2

5.1.1.1.1.2.4 Test RB = RB6#0

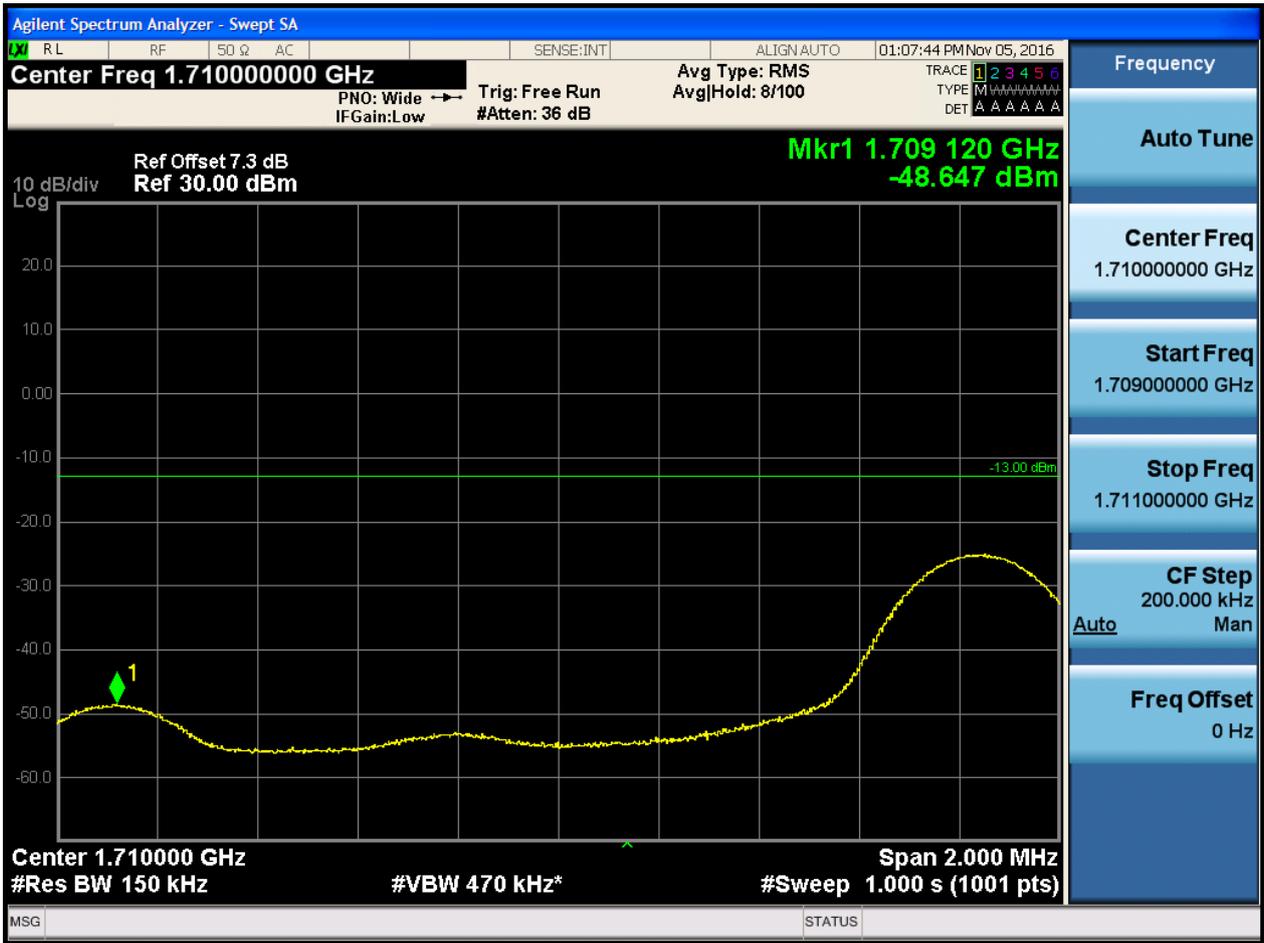### 5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0

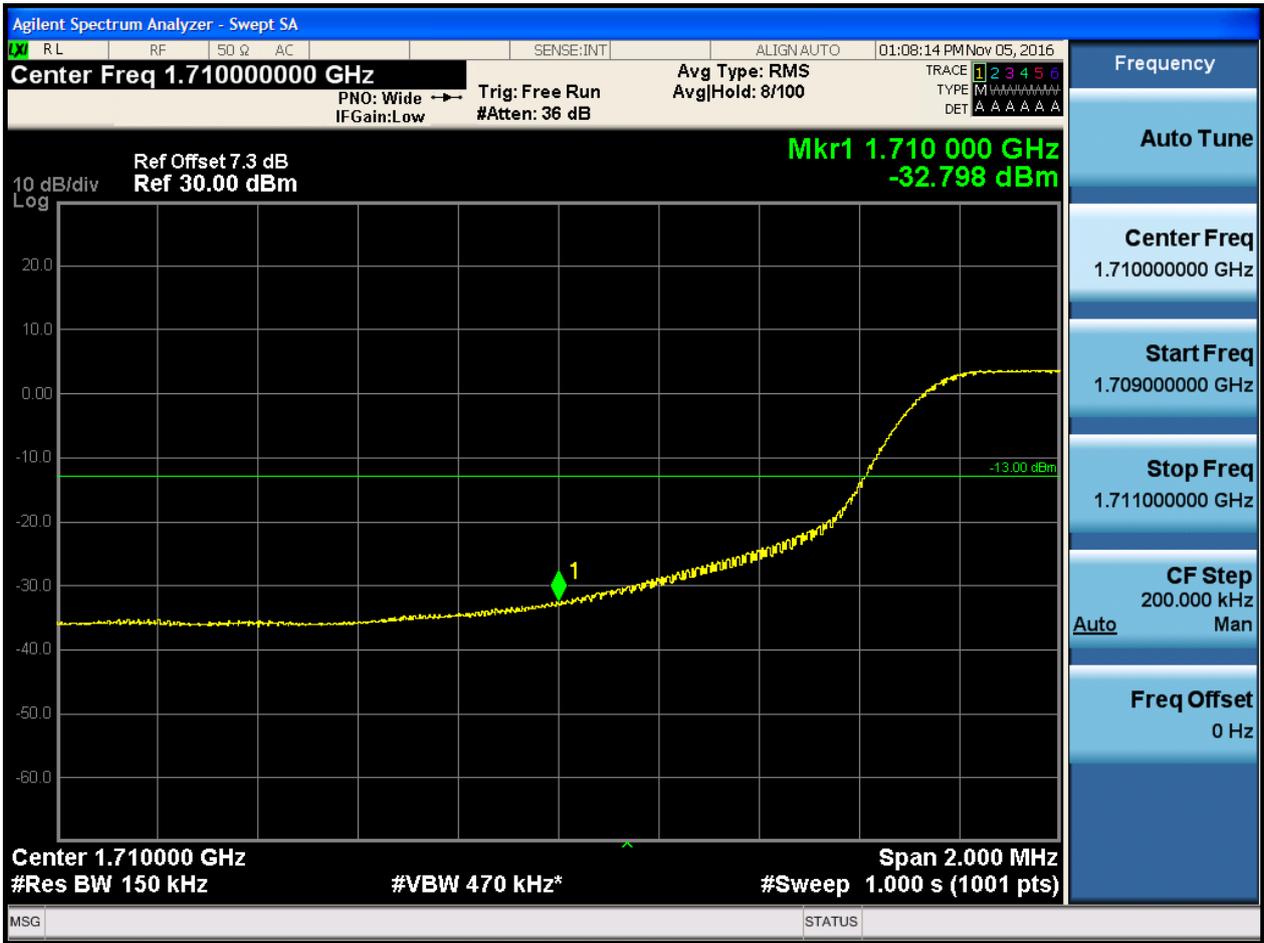## 5.1.1.1.2.1.2 Test RB = RB1#14
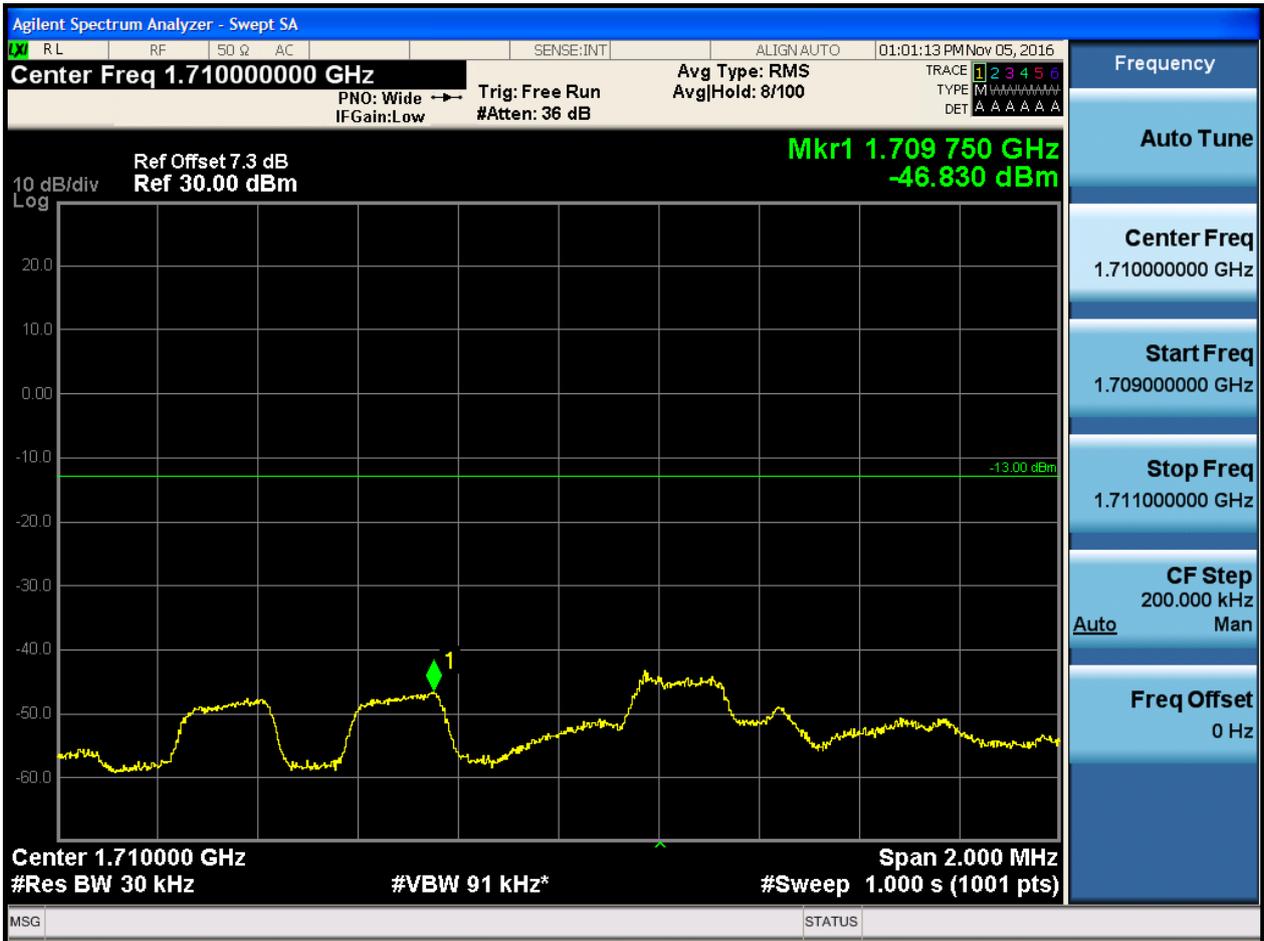
5.1.1.1.2.1.3 Test RB = RB8#4
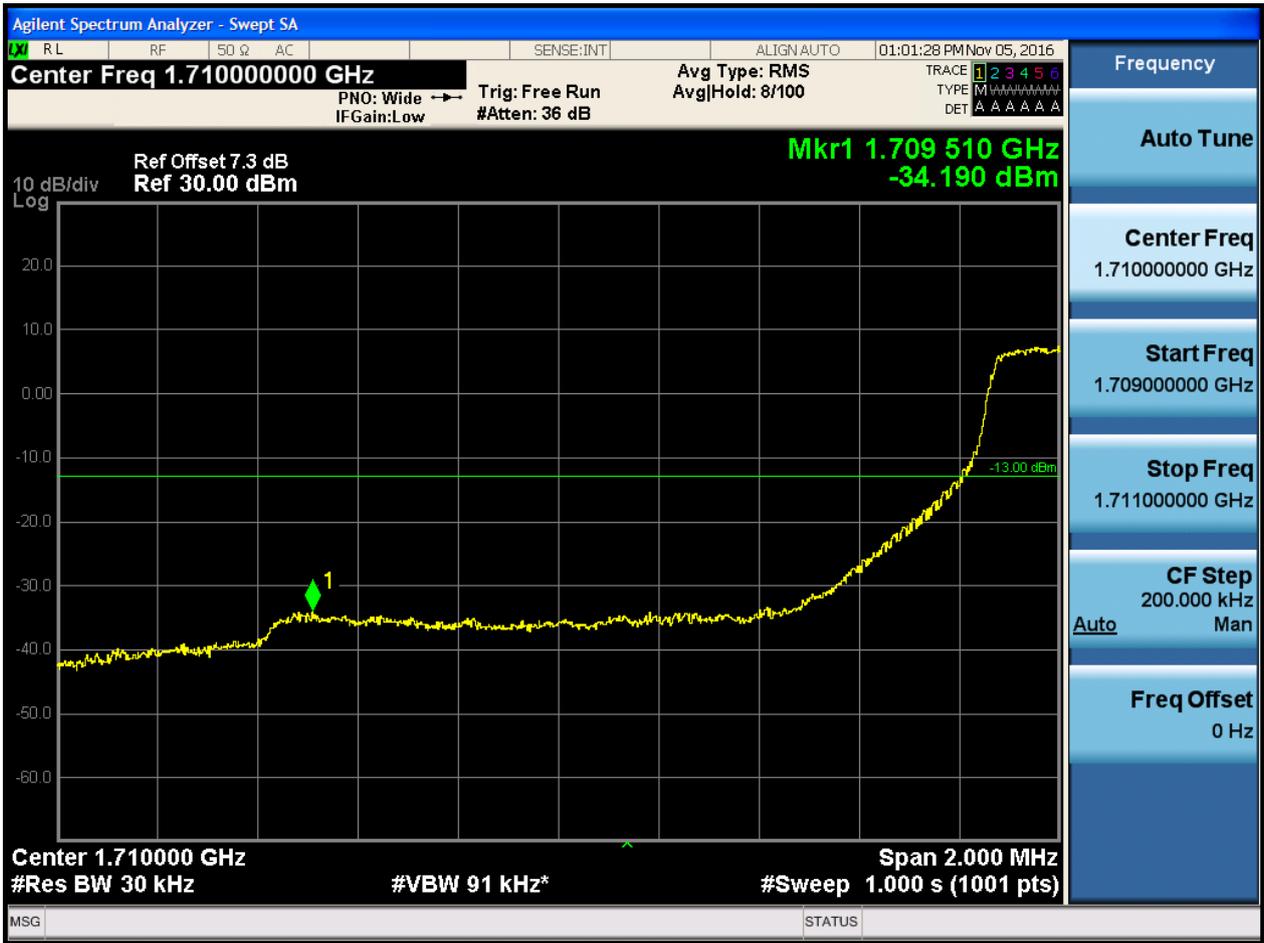
5.1.1.1.2.1.4 Test RB = RB15#0
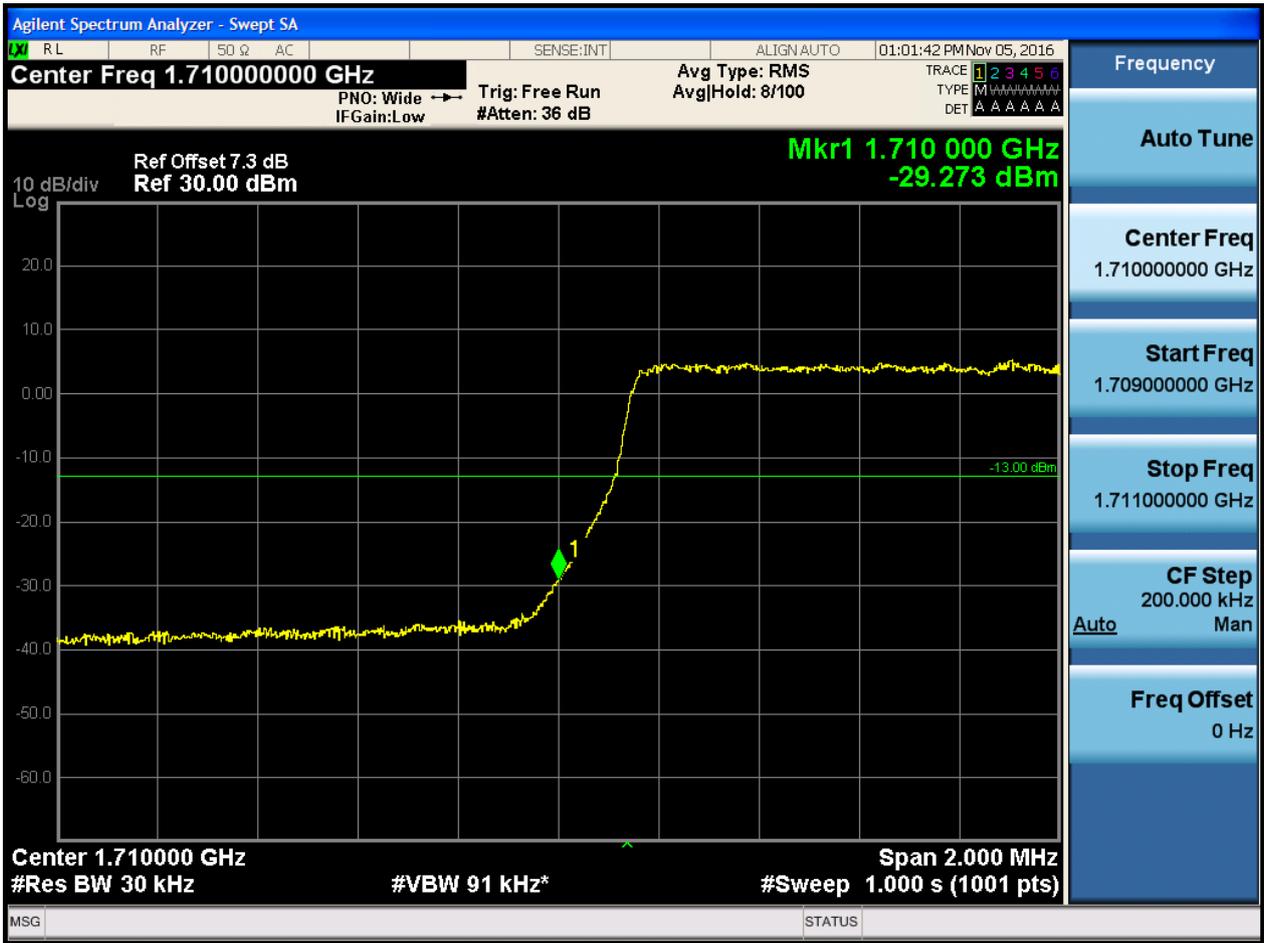
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0

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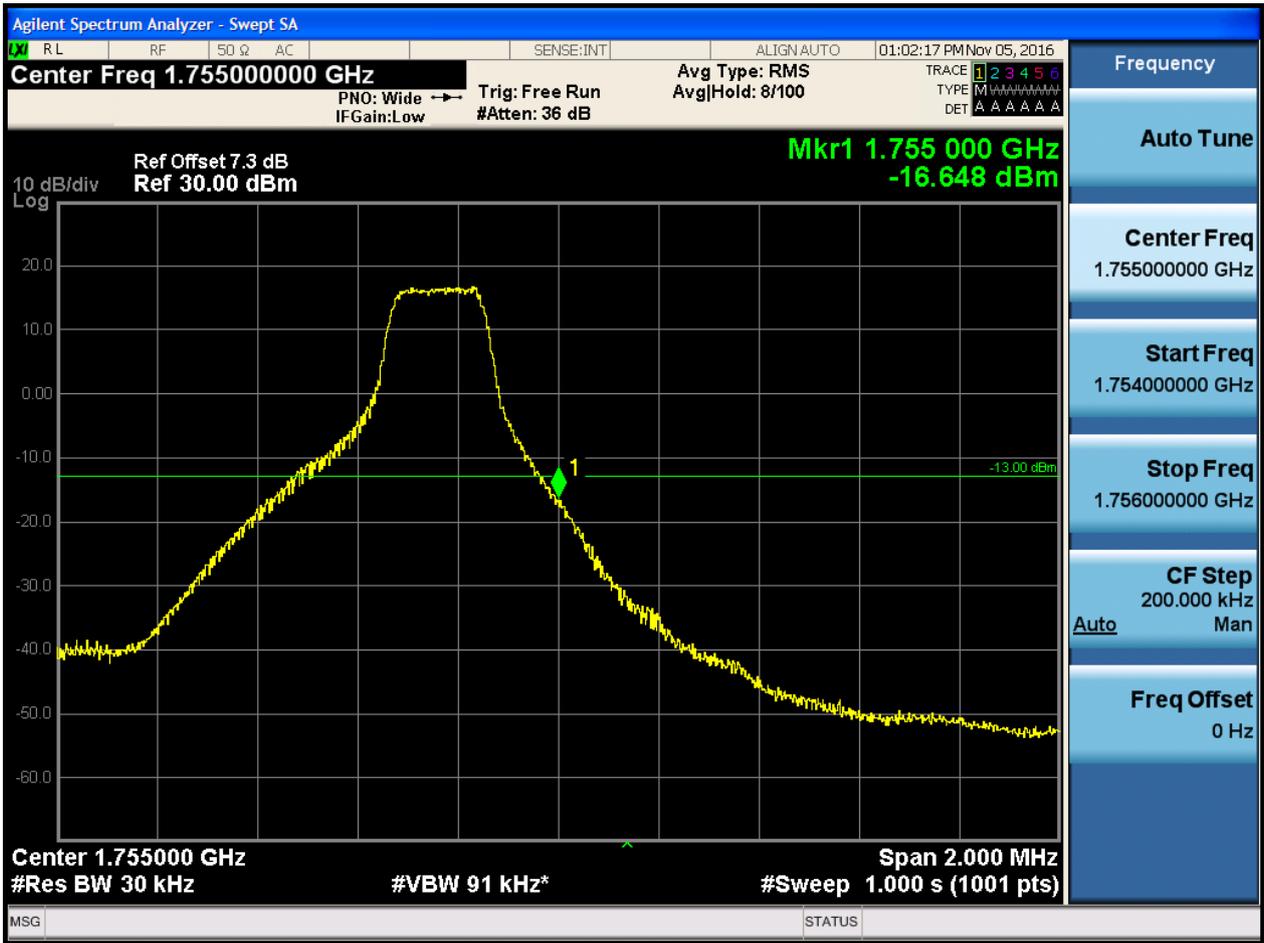
5.1.1.1.2.2.3 Test RB = RB8#4

5.1.1.1.2.2.4 Test RB = RB15#0

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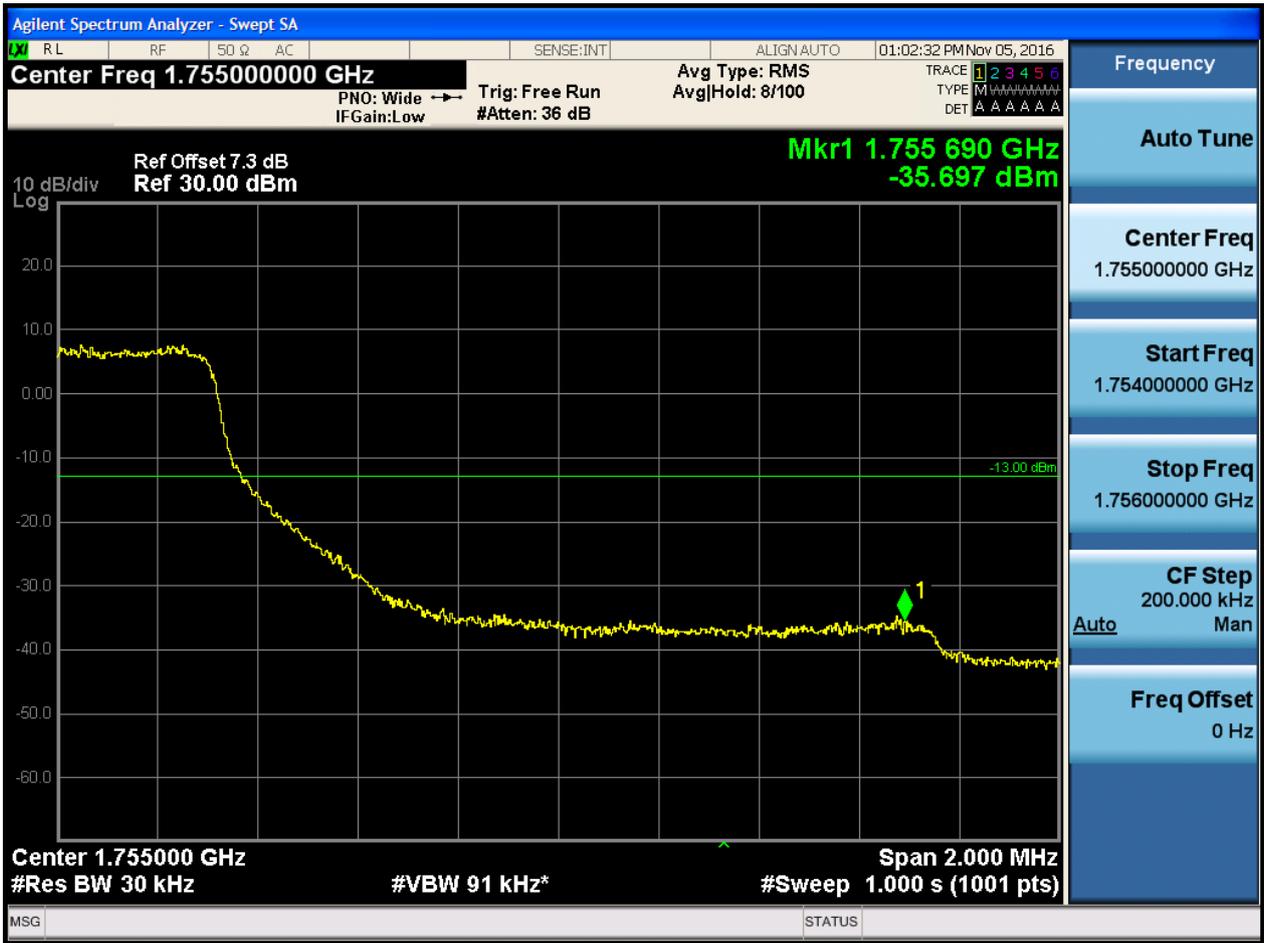
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

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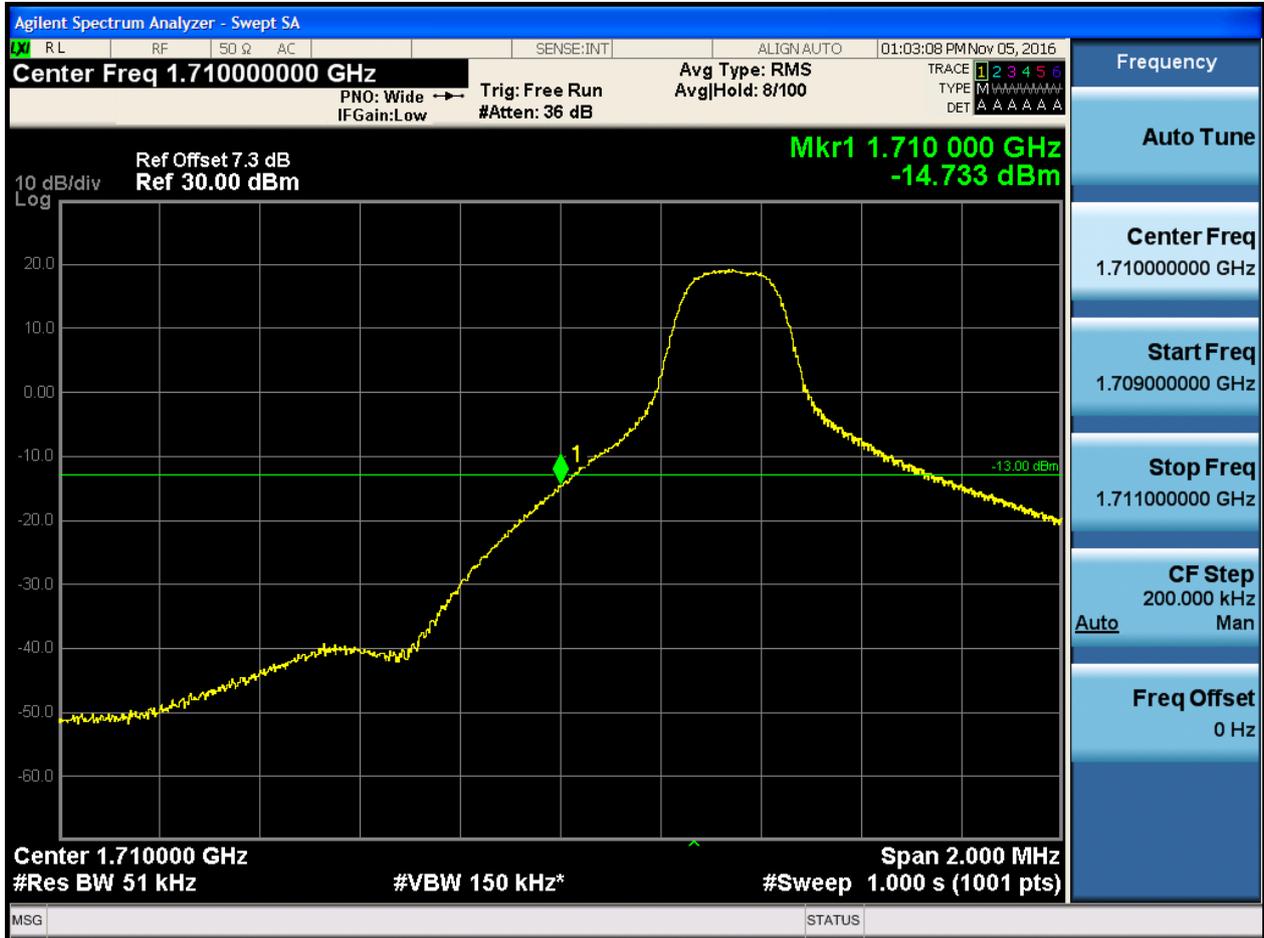
5.1.1.1.3.1.2 Test RB = RB1#24
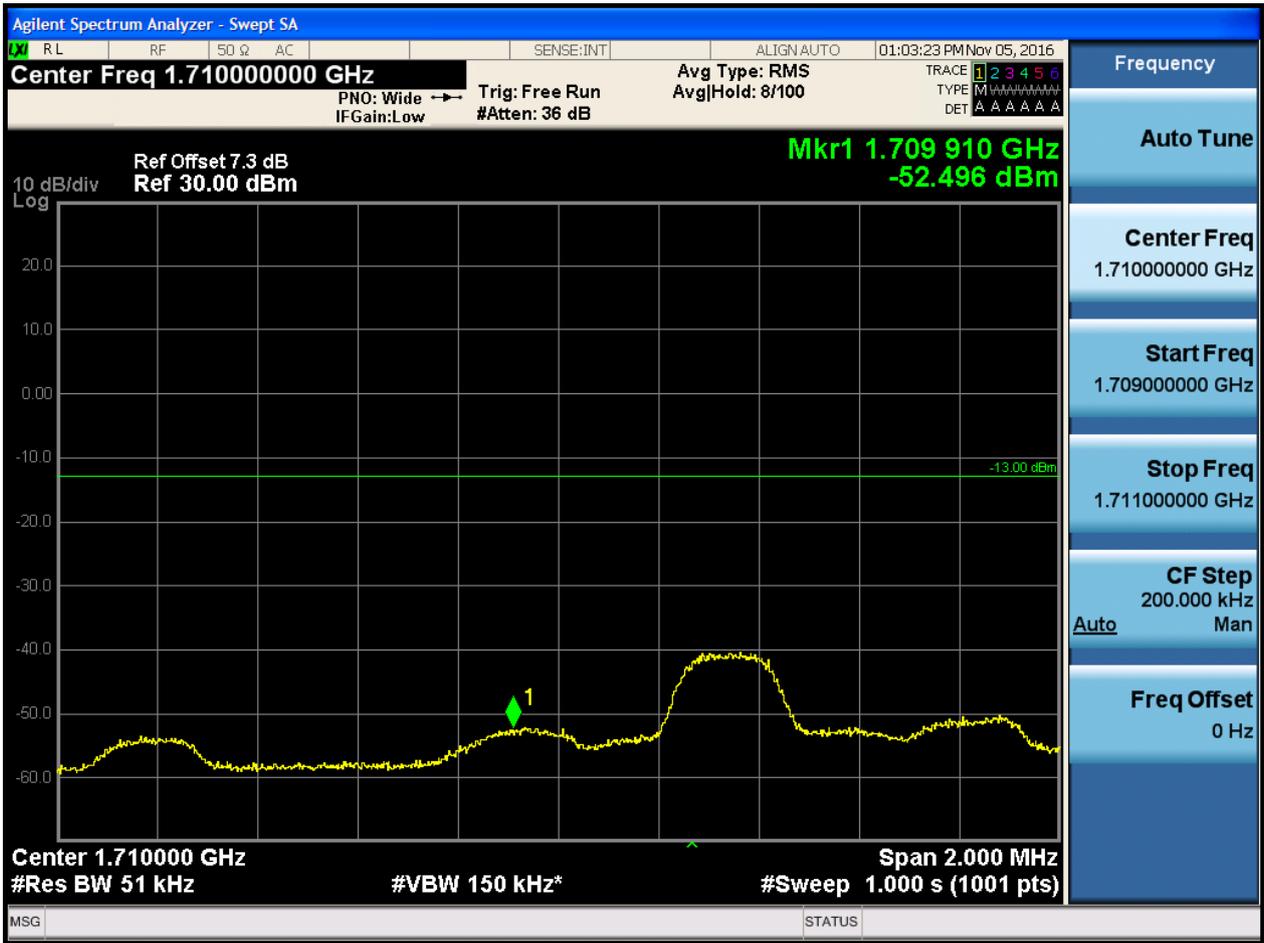
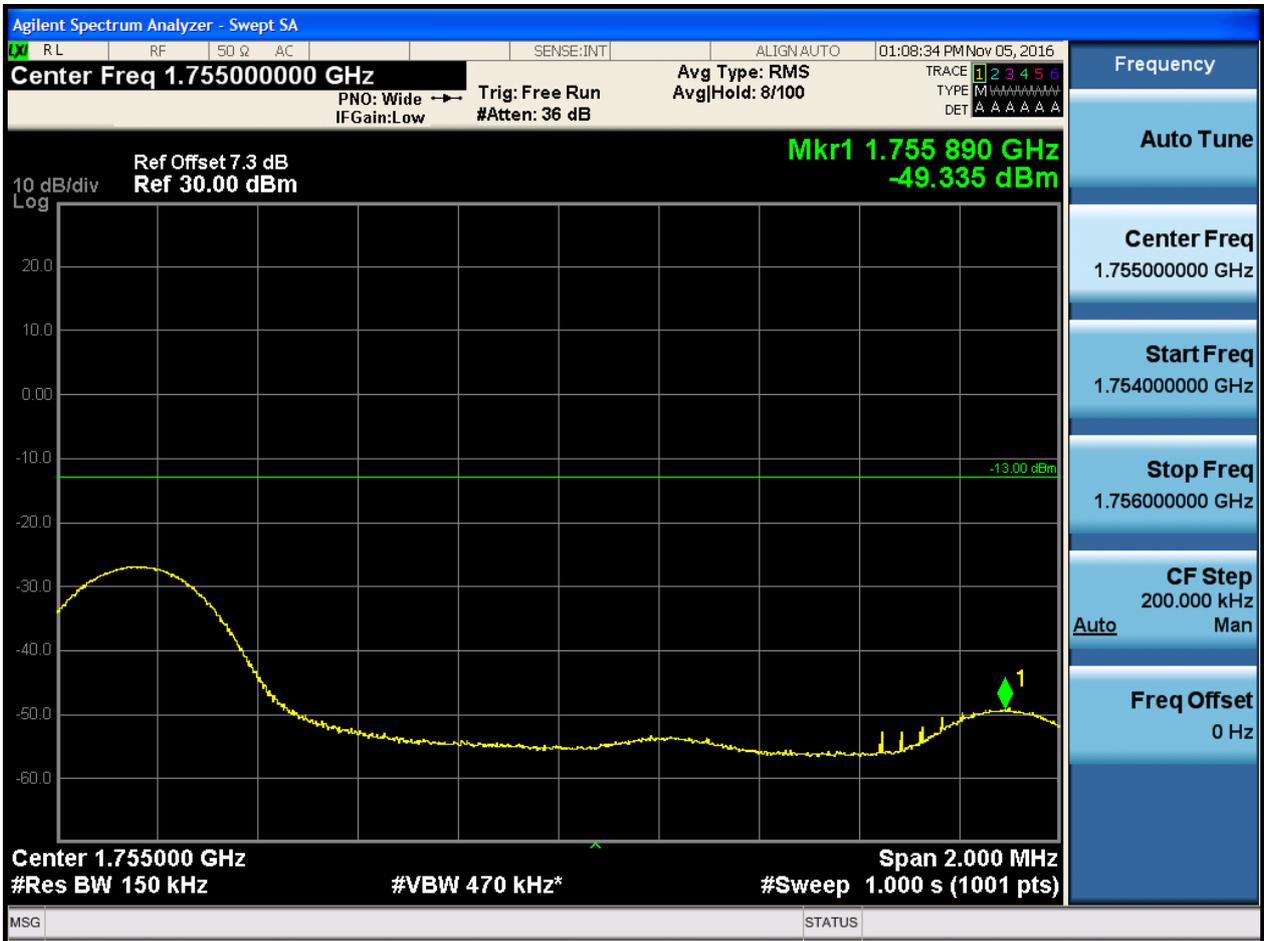## 5.1.1.1.3.1.3 Test RB = RB12#6

5.1.1.1.3.1.4 Test RB = RB25#0
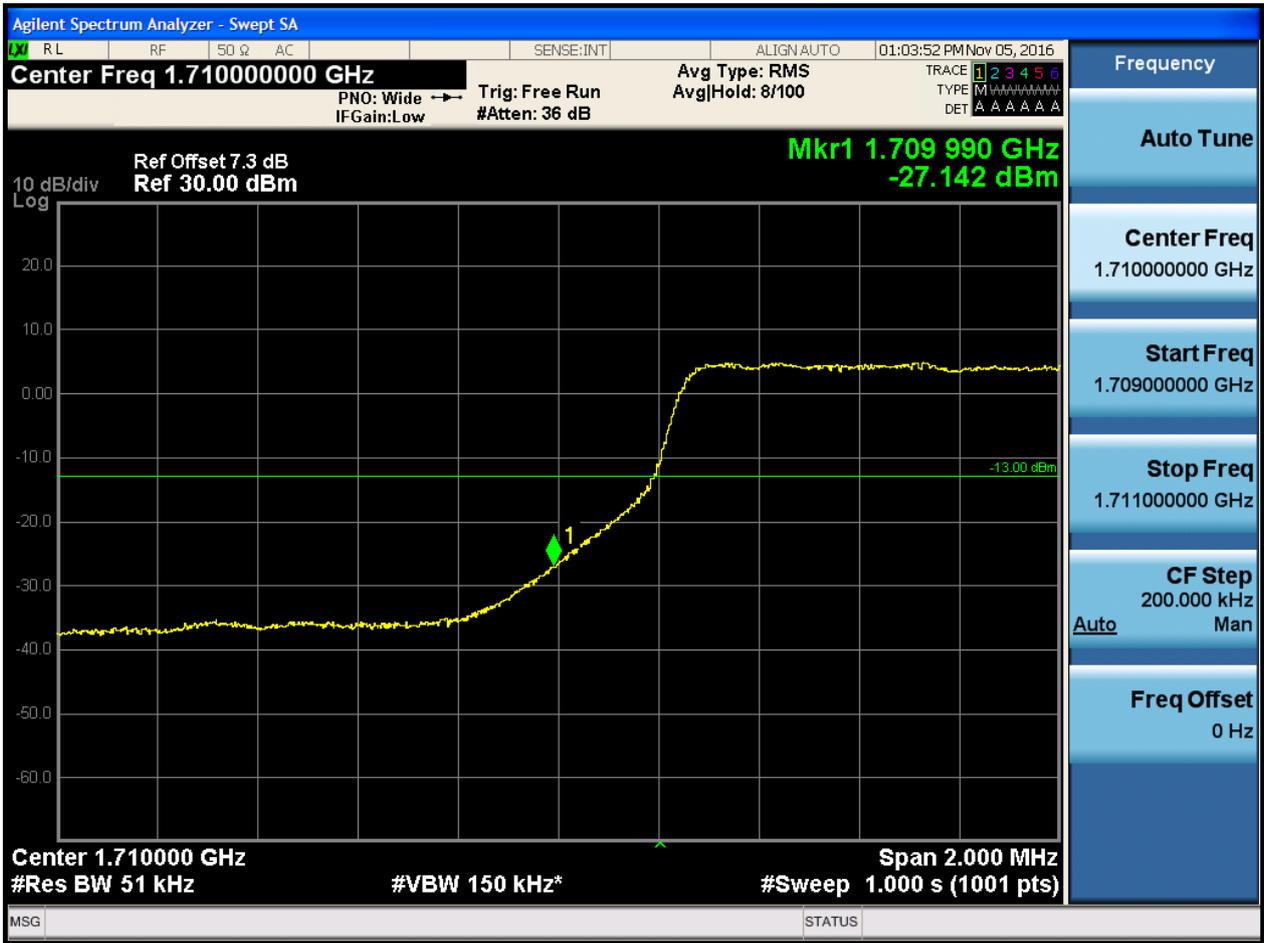
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0
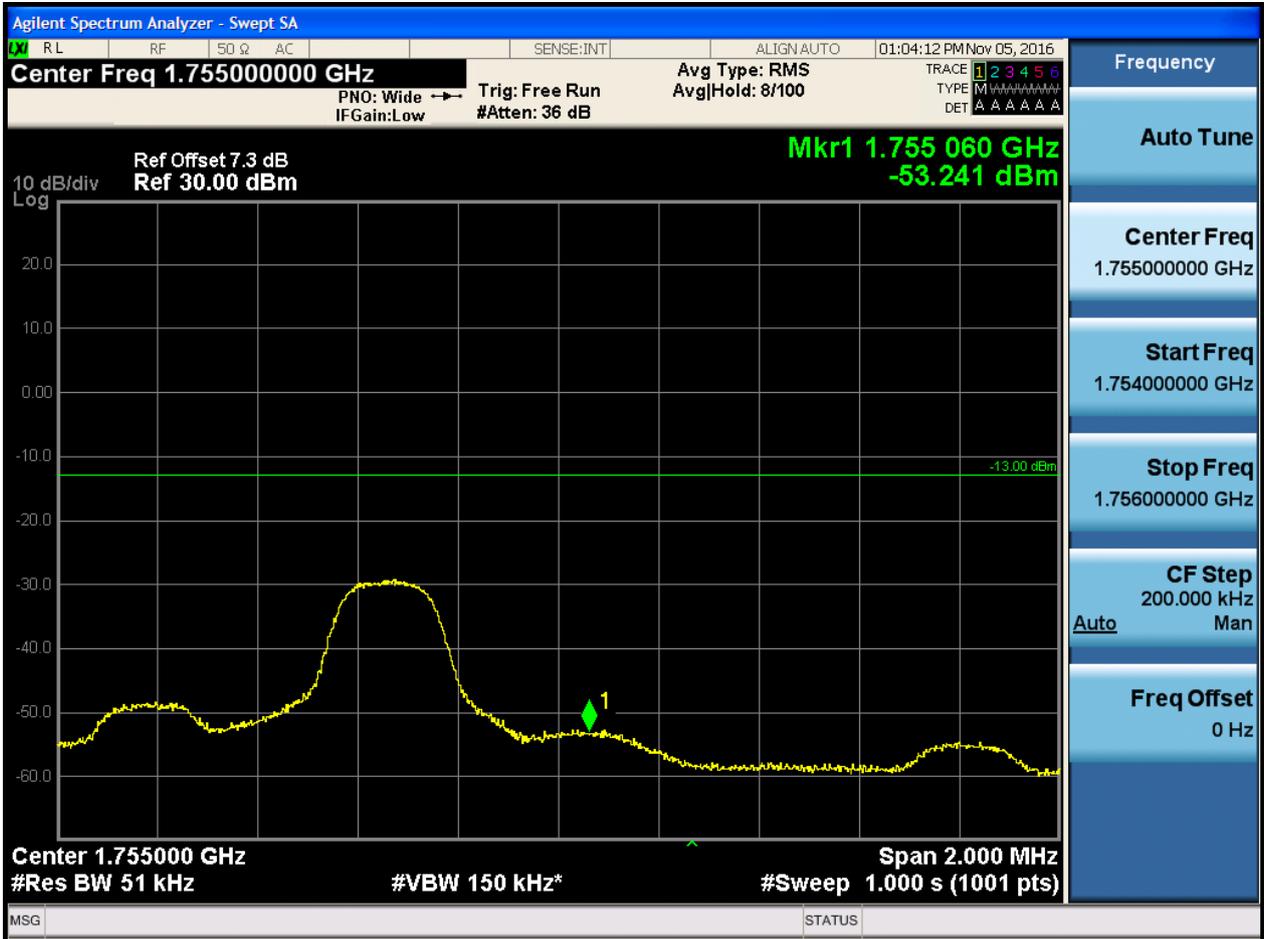
5.1.1.1.3.2.2 Test RB = RB1#24

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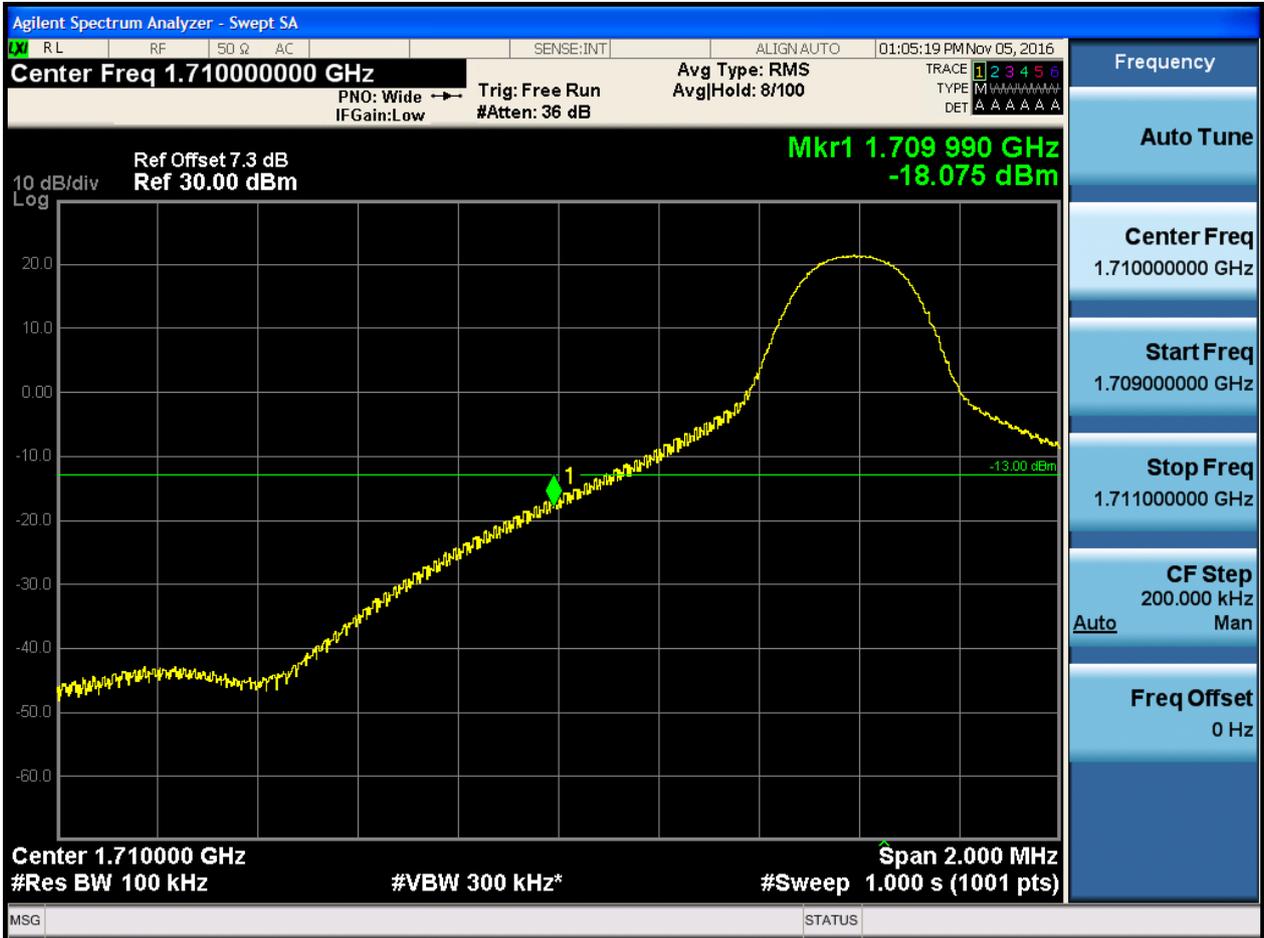
5.1.1.1.4.1.2 Test RB = RB1#49
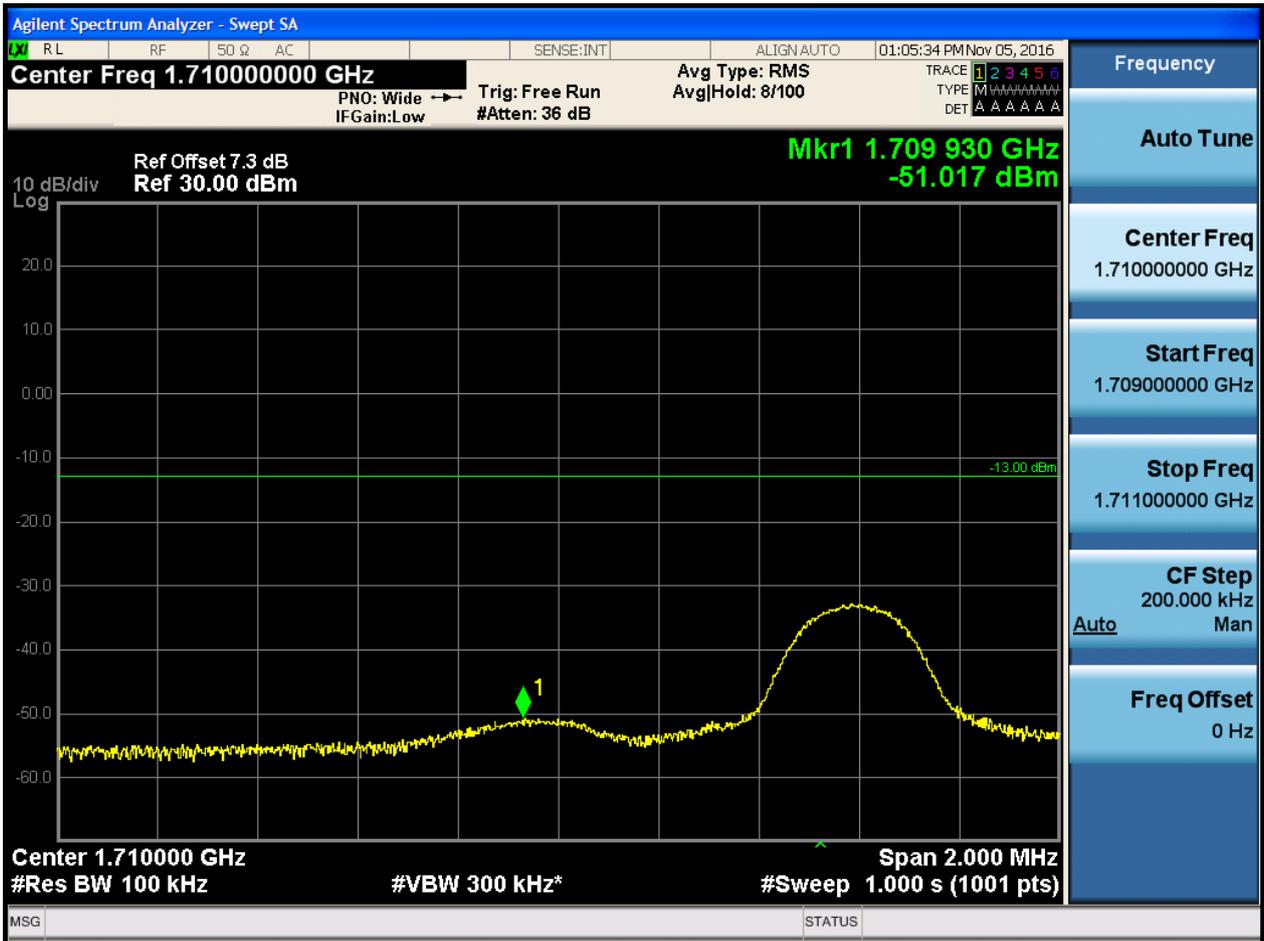
5.1.1.1.4.1.3 Test RB = RB25#13
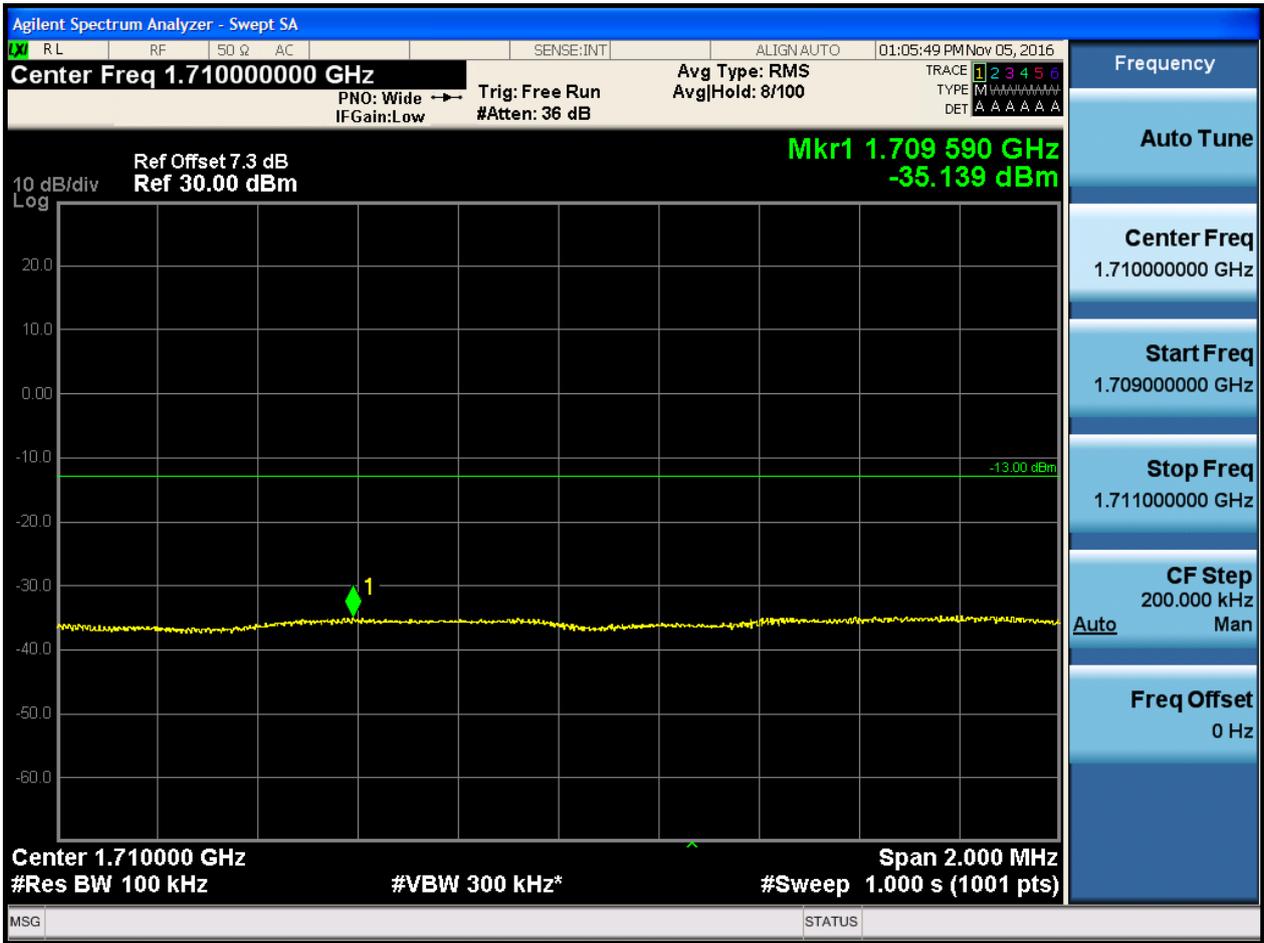
5.1.1.1.4.1.4 Test RB = RB50#0
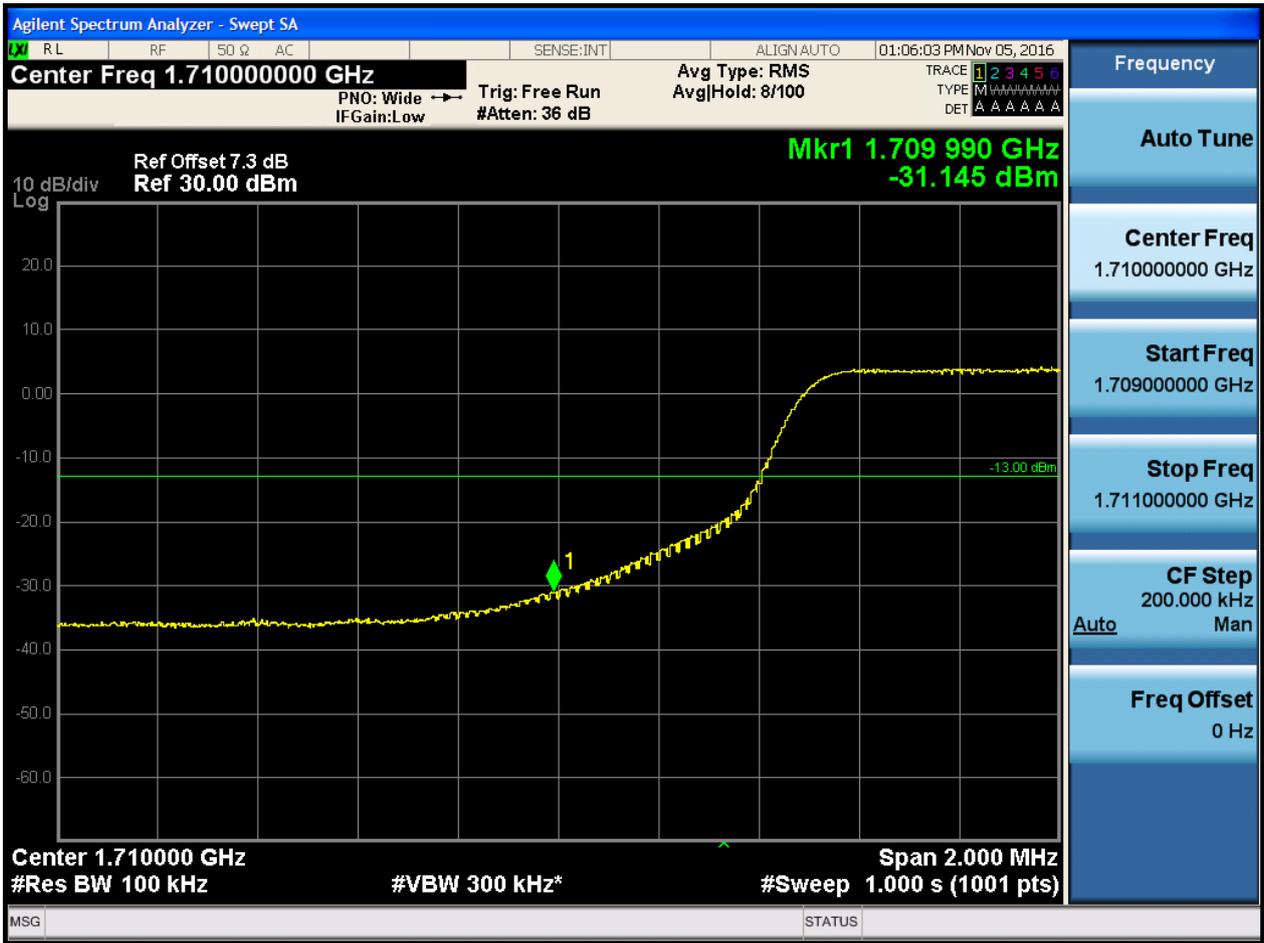
5.1.1.1.4.2 Test Channel = HCH

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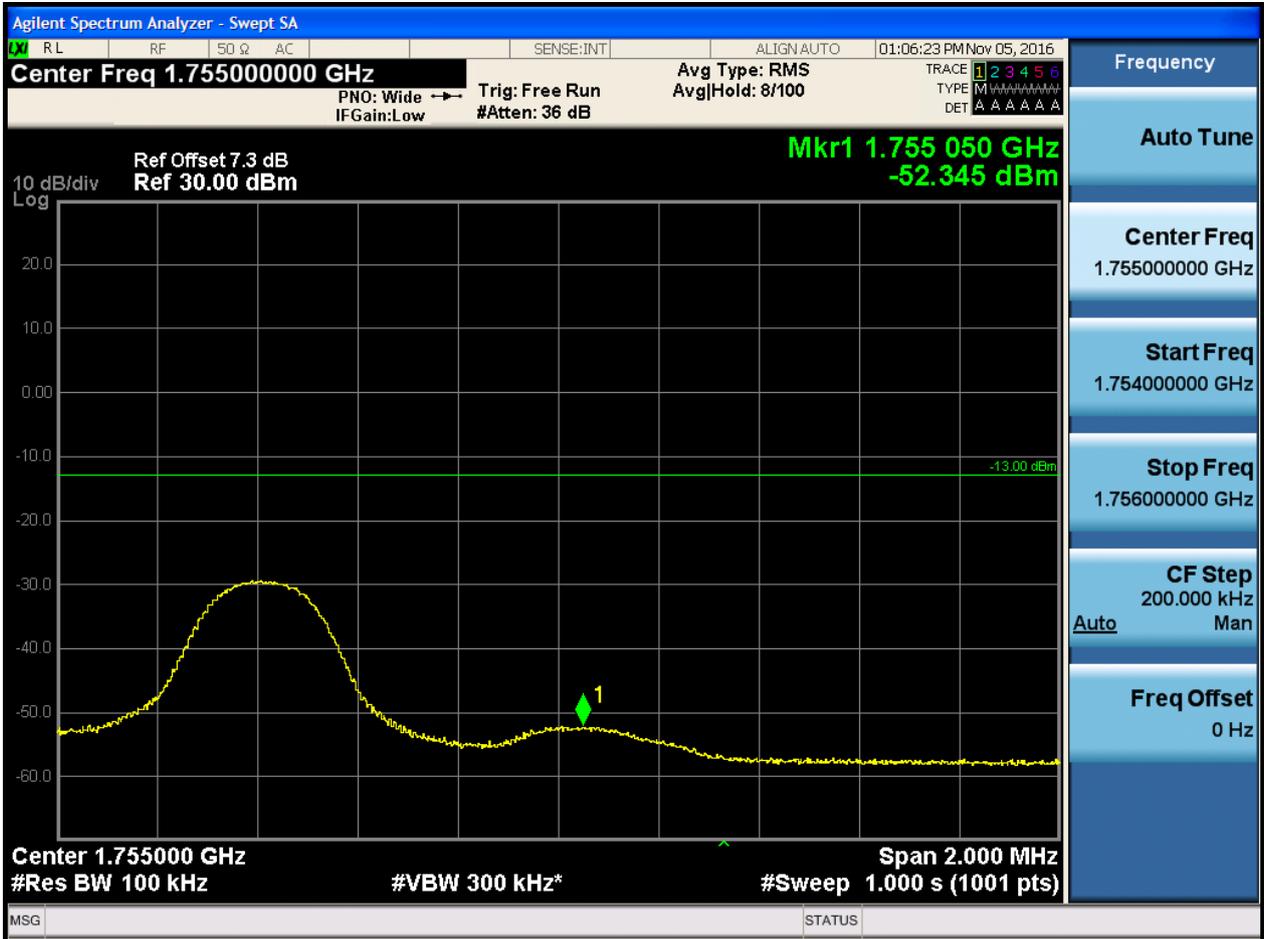
5.1.1.1.4.2.2 Test RB = RB1#49

5.1.1.1.4.2.3 Test RB = RB25#13

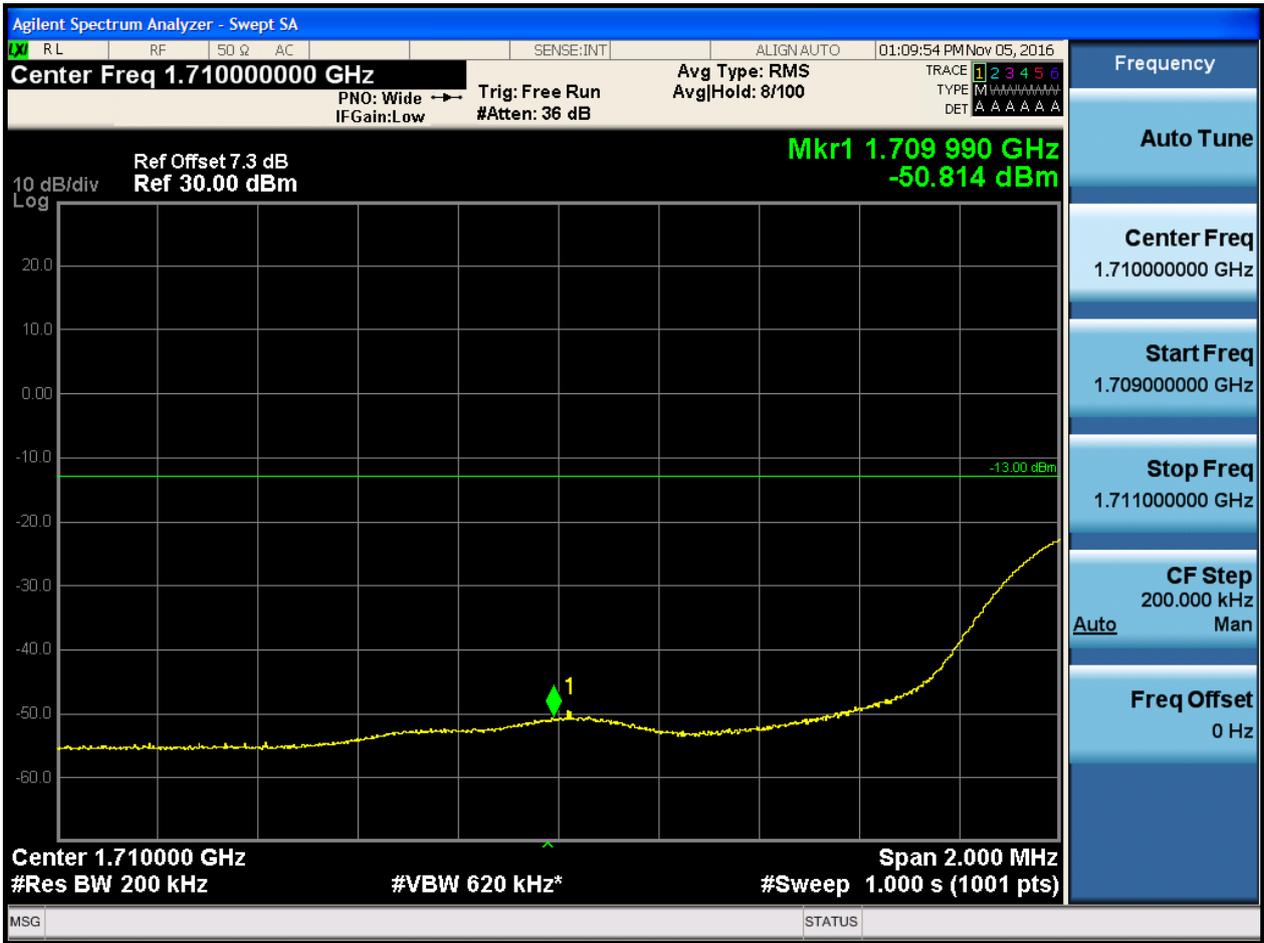## 5.1.1.1.4.2.4 Test RB = RB50#0

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

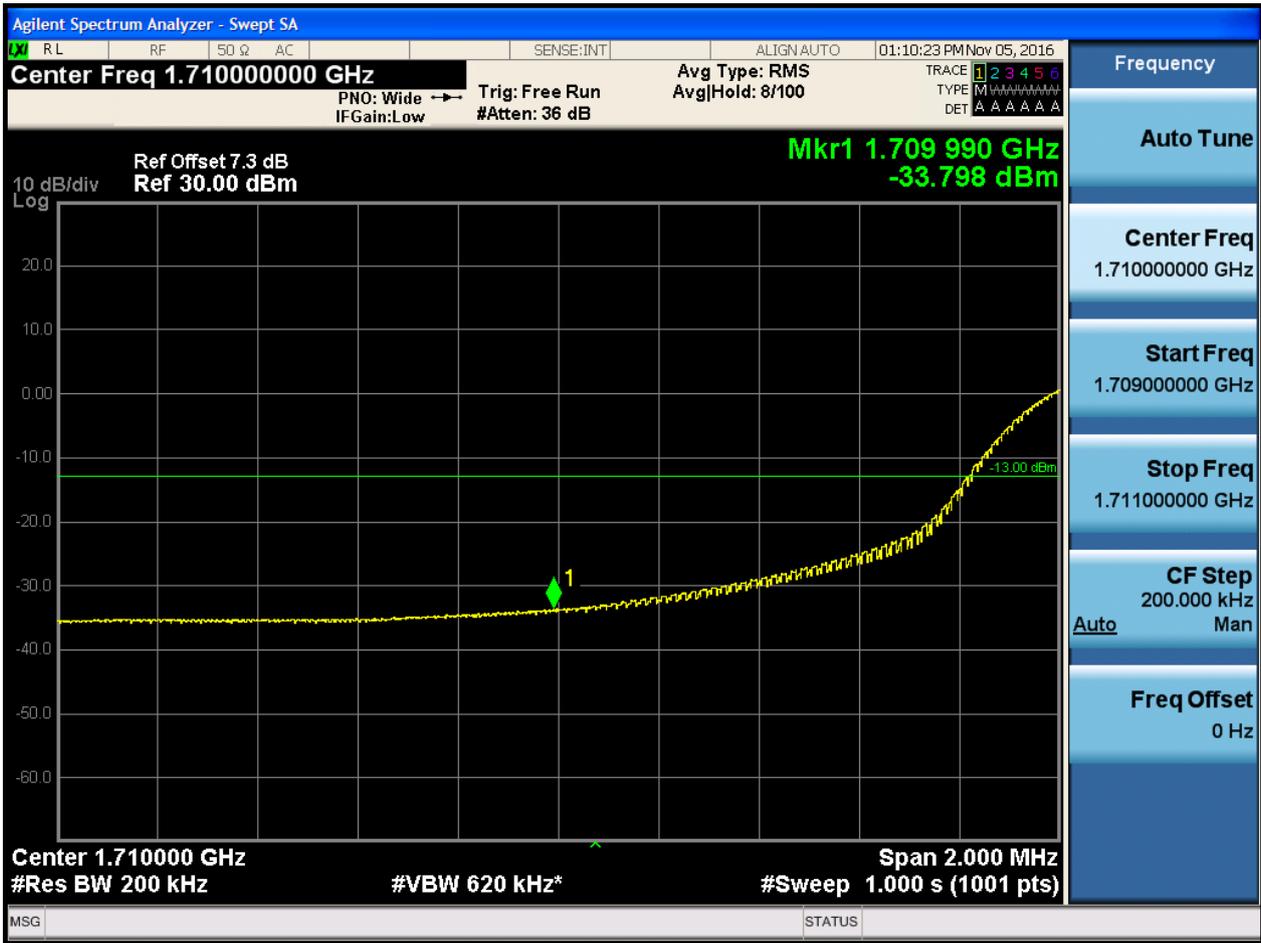## 5.1.1.1.5.1.2 Test RB = RB1#74

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

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
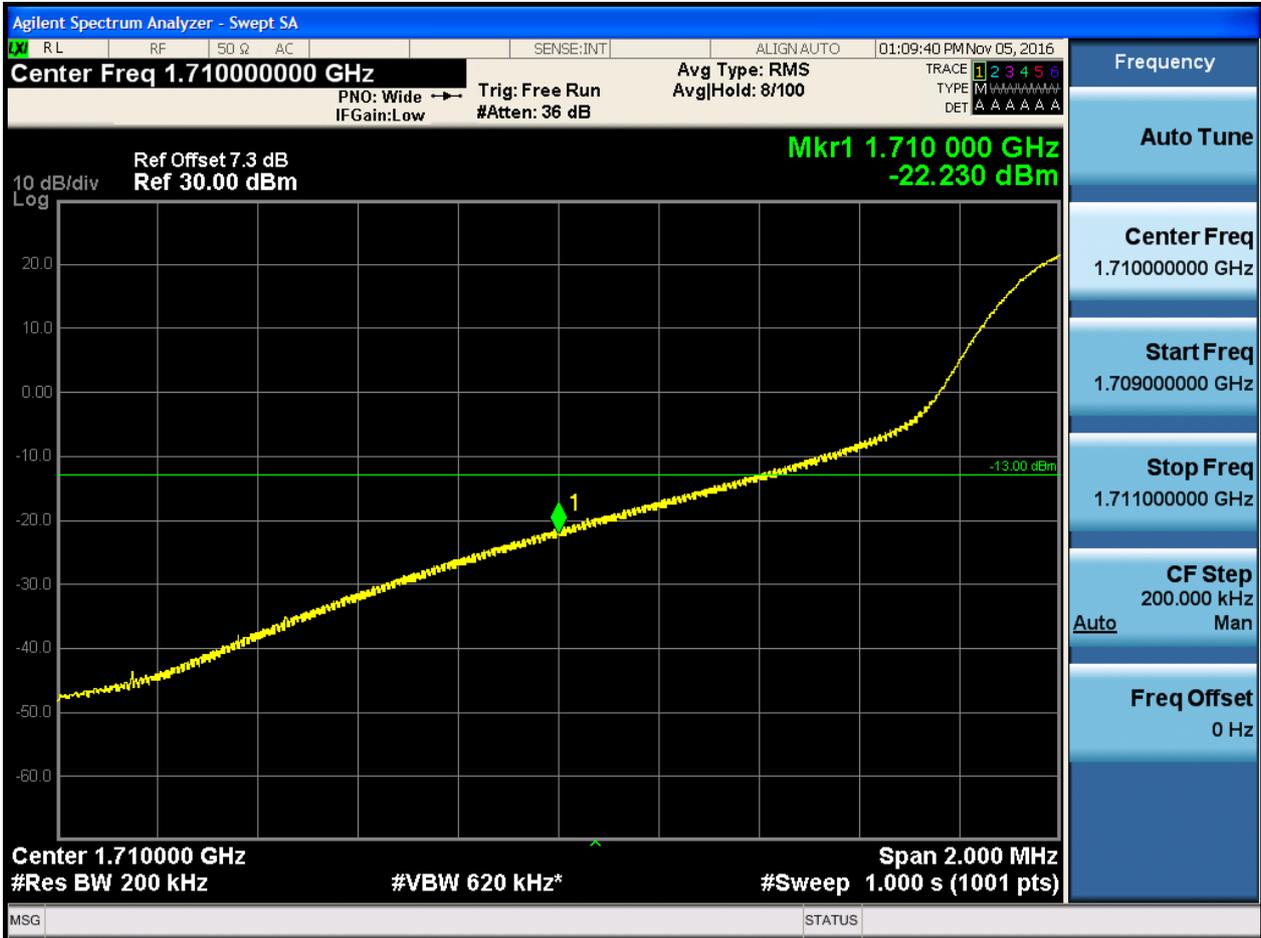
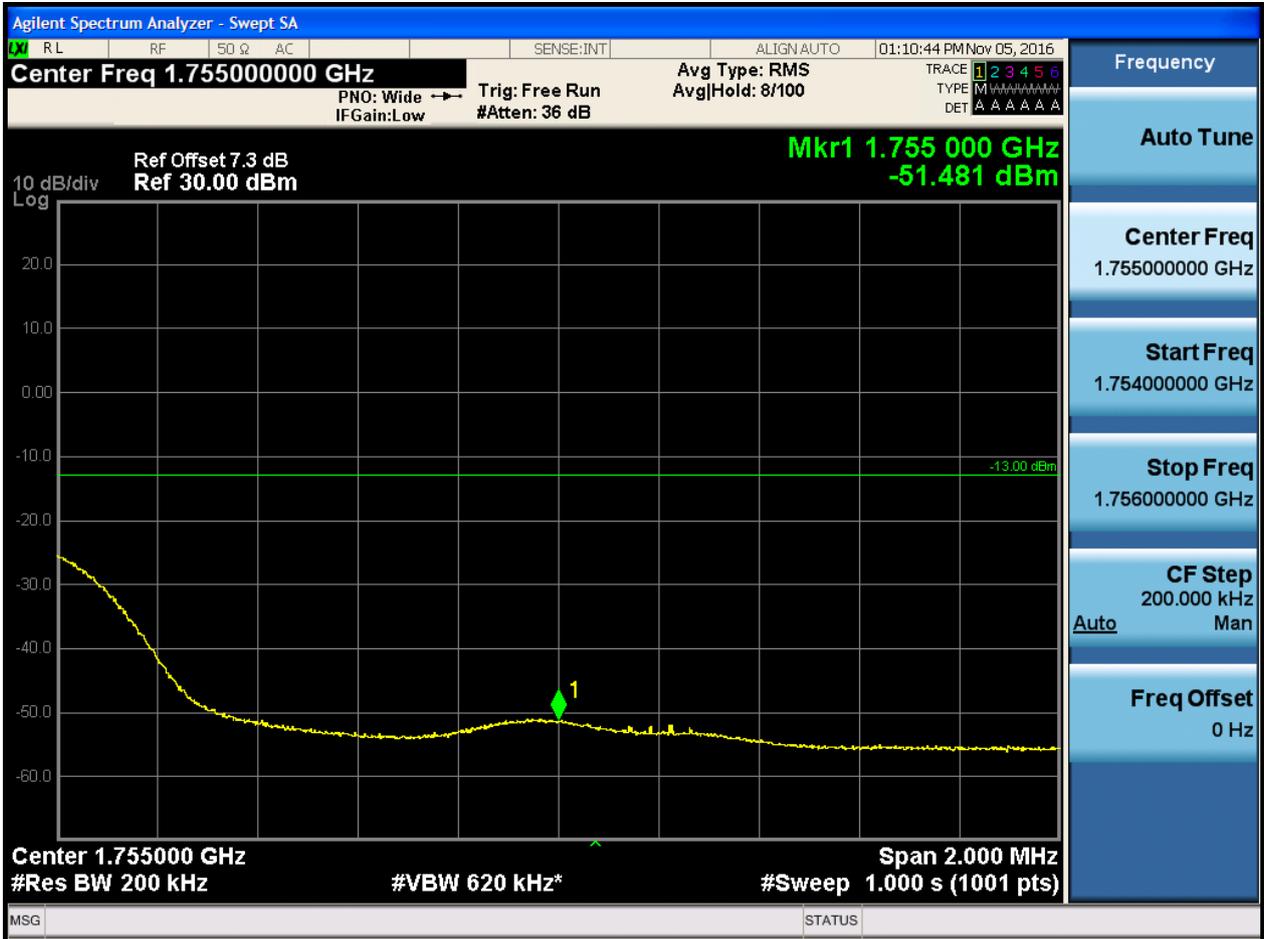## 5.1.1.1.6.1.2 Test RB = RB1#99

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
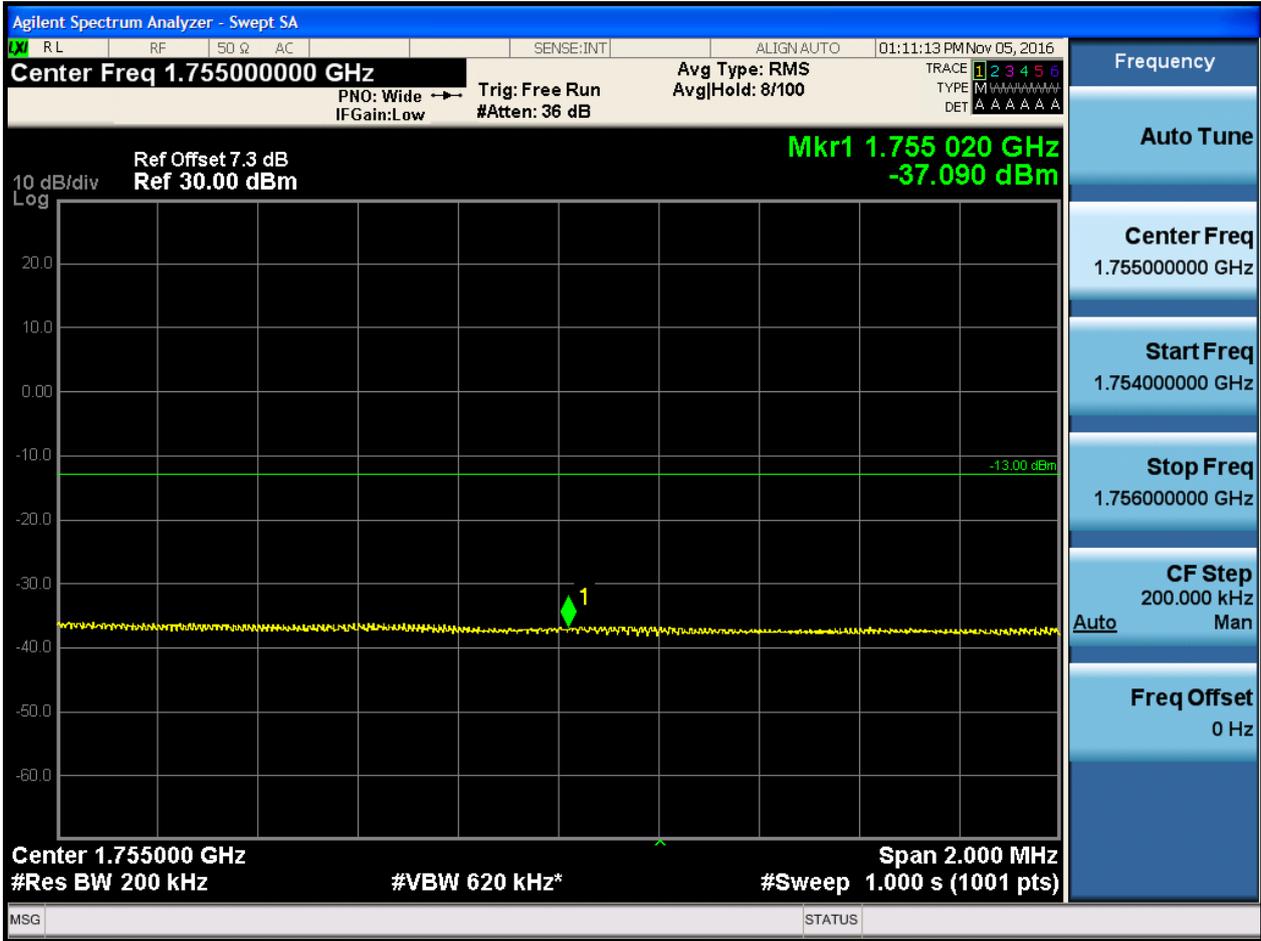
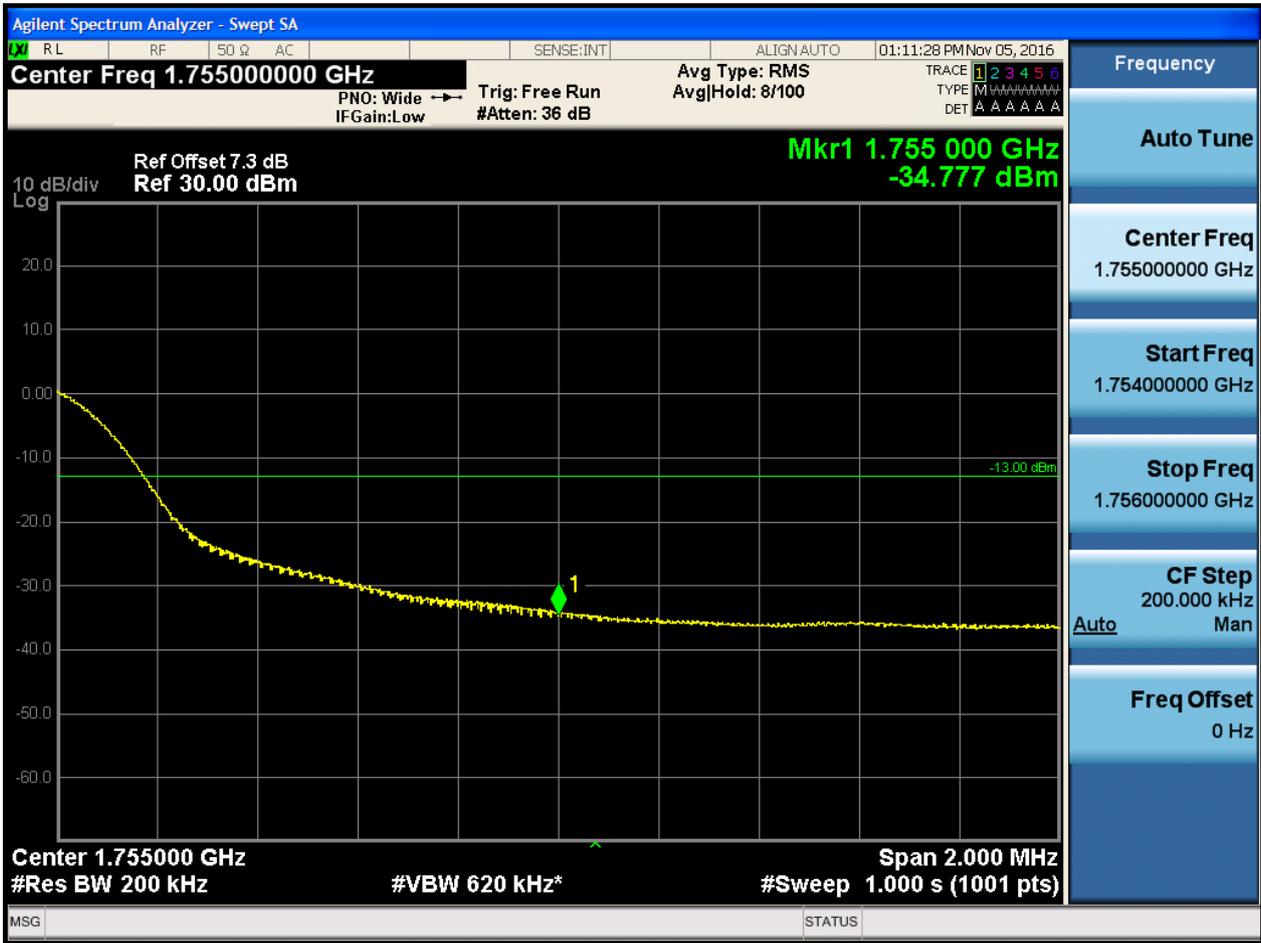### 5.1.1.1.6.2.1 Test RB = RB1#0

5.1.1.1.6.2.2 Test RB = RB1#99

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5.1.1.1.6.2.3 Test RB = RB50#25

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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

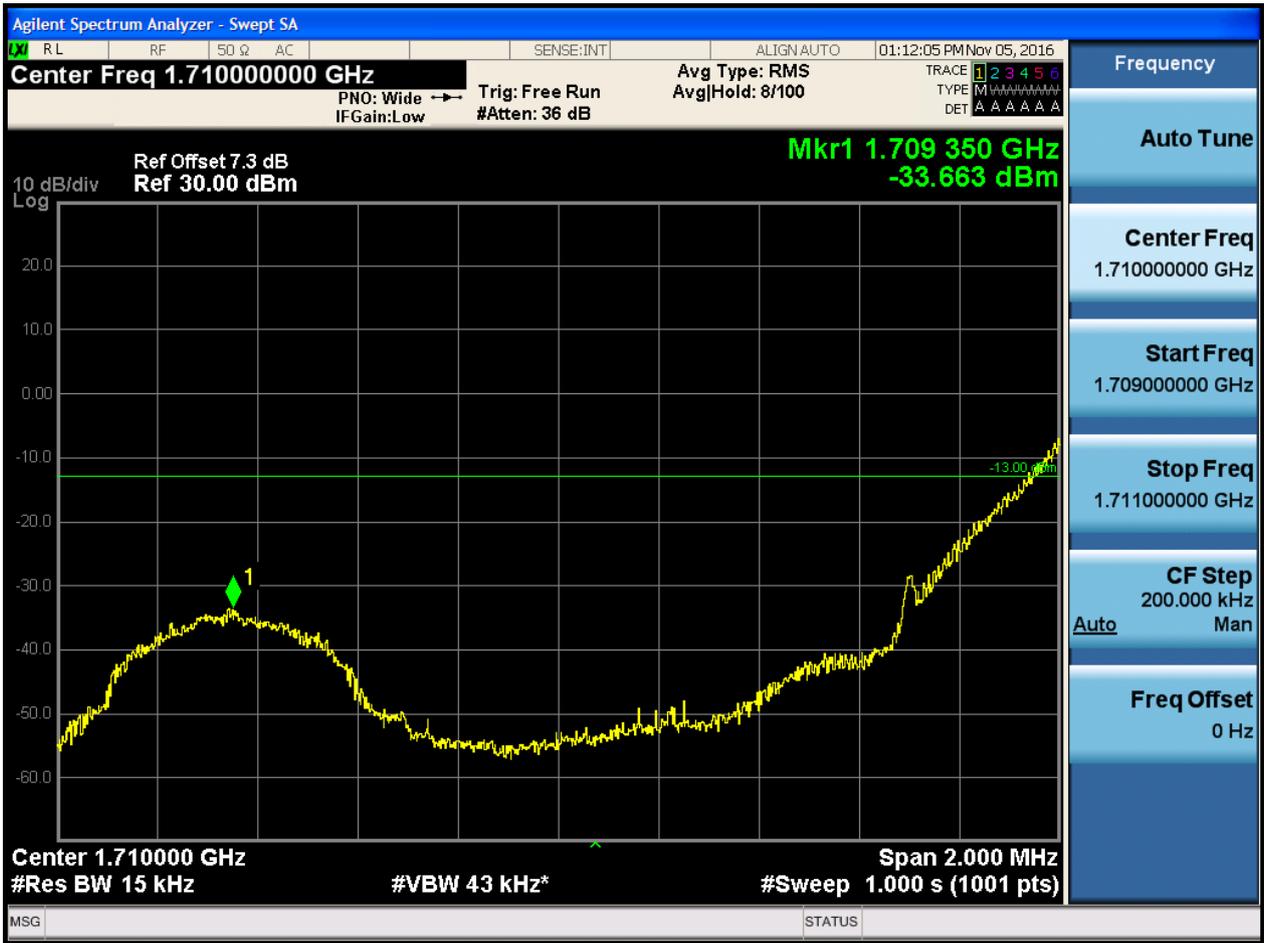## 5.1.1.2.1.1 Test Channel = LCH

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