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	21.04	21.54	30	PASS
				RB1#3	21	21.5	30	PASS
				RB1#5	20.8	21.3	30	PASS
				RB3#0	21.03	21.53	30	PASS
				RB3#2	20.96	21.46	30	PASS
				RB3#3	20.92	21.42	30	PASS
				RB6#0	19.48	19.98	30	PASS
			MCH	RB1#0	21.32	21.82	30	PASS
				RB1#3	21.41	21.91	30	PASS
				RB1#5	20.63	21.13	30	PASS
				RB3#0	21.33	21.83	30	PASS
				RB3#2	21.18	21.68	30	PASS
				RB3#3	20.83	21.33	30	PASS
				RB6#0	19.77	20.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.36	21.86	30	PASS
				RB1#3	21.42	21.92	30	PASS
				RB1#5	21.33	21.83	30	PASS
				RB3#0	21.31	21.81	30	PASS
				RB3#2	21.36	21.86	30	PASS
				RB3#3	21.34	21.84	30	PASS
				RB6#0	19.66	20.16	30	PASS
		3	LCH	RB1#0	20.89	21.39	30	PASS
				RB1#7	21.07	21.57	30	PASS
				RB1#14	20.85	21.35	30	PASS
				RB8#0	19.49	19.99	30	PASS
				RB8#4	19.43	19.93	30	PASS
				RB8#7	19.42	19.92	30	PASS
				RB15#0	19.43	19.93	30	PASS
			MCH	RB1#0	20.94	21.44	30	PASS
				RB1#7	21.46	21.96	30	PASS
				RB1#14	21.02	21.52	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	19.69	20.19	30	PASS
				RB8#4	19.71	20.21	30	PASS
				RB8#7	19.34	19.84	30	PASS
				RB15#0	19.52	20.02	30	PASS
			HCH	RB1#0	21.27	21.77	30	PASS
				RB1#7	21.48	21.98	30	PASS
				RB1#14	21.16	21.66	30	PASS
				RB8#0	19.86	20.36	30	PASS
				RB8#4	19.74	20.24	30	PASS
				RB8#7	19.63	20.13	30	PASS
				RB15#0	19.71	20.21	30	PASS
		5	LCH	RB1#0	20.98	21.48	30	PASS
				RB1#13	21.21	21.71	30	PASS
				RB1#24	20.98	21.48	30	PASS
				RB12#0	19.32	19.82	30	PASS
				RB12#6	19.58	20.08	30	PASS
				RB12#13	19.51	20.01	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	19.38	19.88	30	PASS
			MCH	RB1#0	21.21	21.71	30	PASS
				RB1#13	21.28	21.78	30	PASS
				RB1#24	21.19	21.69	30	PASS
				RB12#0	19.52	20.02	30	PASS
				RB12#6	19.74	20.24	30	PASS
				RB12#13	19.52	20.02	30	PASS
				RB25#0	19.43	19.93	30	PASS
			HCH	RB1#0	21.45	21.95	30	PASS
				RB1#13	21.62	22.12	30	PASS
				RB1#24	21.09	21.59	30	PASS
				RB12#0	19.82	20.32	30	PASS
				RB12#6	19.91	20.41	30	PASS
				RB12#13	19.73	20.23	30	PASS
				RB25#0	19.18	19.68	30	PASS
		10	LCH	RB1#0	20.76	21.26	30	PASS
				RB1#25	21.48	21.98	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.44	21.94	30	PASS
				RB25#0	19.45	19.95	30	PASS
				RB25#13	19.64	20.14	30	PASS
				RB25#25	19.85	20.35	30	PASS
				RB50#0	19.52	20.02	30	PASS
			MCH	RB1#0	21.1	21.6	30	PASS
				RB1#25	21.42	21.92	30	PASS
				RB1#49	21.01	21.51	30	PASS
				RB25#0	19.53	20.03	30	PASS
				RB25#13	19.65	20.15	30	PASS
				RB25#25	19.53	20.03	30	PASS
				RB50#0	19.35	19.85	30	PASS
			HCH	RB1#0	21.01	21.51	30	PASS
				RB1#25	21.55	22.05	30	PASS
				RB1#49	21.19	21.69	30	PASS
				RB25#0	19.17	19.67	30	PASS
				RB25#13	19.18	19.68	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	19.36	19.86	30	PASS
				RB50#0	19.24	19.74	30	PASS
			LCH	RB1#0	20.88	21.38	30	PASS
				RB1#38	21.57	22.07	30	PASS
				RB1#74	21.24	21.74	30	PASS
				RB38#0	19.46	19.96	30	PASS
				RB38#19	19.85	20.35	30	PASS
				RB38#39	19.99	20.49	30	PASS
				RB75#0	19.69	20.19	30	PASS
		15	MCH	RB1#0	21.39	21.89	30	PASS
				RB1#38	21.31	21.81	30	PASS
				RB1#74	21.06	21.56	30	PASS
				RB38#0	19.49	19.99	30	PASS
				RB38#19	19.96	20.46	30	PASS
				RB38#39	19.58	20.08	30	PASS
				RB75#0	19.46	19.96	30	PASS
			HCH	RB1#0	21.27	21.77	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.5	22	30	PASS
				RB1#74	21.12	21.62	30	PASS
				RB38#0	19.44	19.94	30	PASS
				RB38#19	19.33	19.83	30	PASS
				RB38#39	19.34	19.84	30	PASS
				RB75#0	19.42	19.92	30	PASS
		20	LCH	RB1#0	20.39	20.89	30	PASS
				RB1#50	21.64	22.14	30	PASS
				RB1#99	20.62	21.12	30	PASS
				RB50#0	19.59	20.09	30	PASS
				RB50#25	19.9	20.4	30	PASS
				RB50#50	19.73	20.23	30	PASS
				RB100#0	19.55	20.05	30	PASS
			MCH	RB1#0	21.03	21.53	30	PASS
				RB1#50	21.36	21.86	30	PASS
				RB1#99	20.63	21.13	30	PASS
				RB50#0	19.68	20.18	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	19.73	20.23	30	PASS
				RB50#50	19.56	20.06	30	PASS
				RB100#0	19.47	19.97	30	PASS
			HCH	RB1#0	20.7	21.2	30	PASS
				RB1#50	21.49	21.99	30	PASS
				RB1#99	20.8	21.3	30	PASS
				RB50#0	19.4	19.9	30	PASS
				RB50#25	19.56	20.06	30	PASS
				RB50#50	19.43	19.93	30	PASS
				RB100#0	19.45	19.95	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.24	20.74	30	PASS
				RB1#3	20.22	20.72	30	PASS
				RB1#5	20.26	20.76	30	PASS
				RB3#0	20.2	20.7	30	PASS
				RB3#2	20.15	20.65	30	PASS
				RB3#3	20.17	20.67	30	PASS
				RB6#0	19.05	19.55	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.31	20.81	30	PASS
				RB1#3	20.35	20.85	30	PASS
				RB1#5	19.56	20.06	30	PASS
				RB3#0	20.55	21.05	30	PASS
				RB3#2	20.57	21.07	30	PASS
				RB3#3	20.39	20.89	30	PASS
				RB6#0	19.4	19.9	30	PASS
			HCH	RB1#0	20.45	20.95	30	PASS
				RB1#3	20.63	21.13	30	PASS
				RB1#5	20.56	21.06	30	PASS
				RB3#0	20.19	20.69	30	PASS
				RB3#2	20.24	20.74	30	PASS
				RB3#3	20.46	20.96	30	PASS
				RB6#0	19.25	19.75	30	PASS
		3	LCH	RB1#0	19.87	20.37	30	PASS
				RB1#7	20.08	20.58	30	PASS
				RB1#14	19.92	20.42	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	19.03	19.53	30	PASS
				RB8#4	18.98	19.48	30	PASS
				RB8#7	18.97	19.47	30	PASS
				RB15#0	18.94	19.44	30	PASS
			MCH	RB1#0	20.26	20.76	30	PASS
				RB1#7	20.67	21.17	30	PASS
				RB1#14	20.26	20.76	30	PASS
				RB8#0	19.24	19.74	30	PASS
				RB8#4	19.31	19.81	30	PASS
				RB8#7	18.92	19.42	30	PASS
				RB15#0	19.09	19.59	30	PASS
			HCH	RB1#0	20.48	20.98	30	PASS
				RB1#7	20.65	21.15	30	PASS
				RB1#14	20.31	20.81	30	PASS
				RB8#0	19.39	19.89	30	PASS
				RB8#4	19.36	19.86	30	PASS
				RB8#7	19.17	19.67	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	19.2	19.7	30	PASS
			LCH	RB1#0	20.29	20.79	30	PASS
				RB1#13	20.45	20.95	30	PASS
				RB1#24	20.29	20.79	30	PASS
				RB12#0	18.97	19.47	30	PASS
				RB12#6	19.14	19.64	30	PASS
				RB12#13	19.09	19.59	30	PASS
				RB25#0	18.92	19.42	30	PASS
		5	MCH	RB1#0	20.56	21.06	30	PASS
				RB1#13	20.6	21.1	30	PASS
				RB1#24	20.41	20.91	30	PASS
				RB12#0	19.13	19.63	30	PASS
				RB12#6	19.34	19.84	30	PASS
				RB12#13	19.13	19.63	30	PASS
				RB25#0	18.97	19.47	30	PASS
			HCH	RB1#0	21.04	21.54	30	PASS
				RB1#13	21.05	21.55	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	20.52	21.02	30	PASS
				RB12#0	19.35	19.85	30	PASS
				RB12#6	19.4	19.9	30	PASS
				RB12#13	19.27	19.77	30	PASS
				RB25#0	18.73	19.23	30	PASS
		10	LCH	RB1#0	20.08	20.58	30	PASS
				RB1#25	20.71	21.21	30	PASS
				RB1#49	20.6	21.1	30	PASS
				RB25#0	18.89	19.39	30	PASS
				RB25#13	19.09	19.59	30	PASS
				RB25#25	19.27	19.77	30	PASS
				RB50#0	19.02	19.52	30	PASS
			MCH	RB1#0	20.27	20.77	30	PASS
				RB1#25	20.64	21.14	30	PASS
				RB1#49	20.04	20.54	30	PASS
				RB25#0	19.1	19.6	30	PASS
				RB25#13	19.21	19.71	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	19.05	19.55	30	PASS
				RB50#0	18.89	19.39	30	PASS
			HCH	RB1#0	20.2	20.7	30	PASS
				RB1#25	20.65	21.15	30	PASS
				RB1#49	20.31	20.81	30	PASS
				RB25#0	18.7	19.2	30	PASS
				RB25#13	18.64	19.14	30	PASS
				RB25#25	18.83	19.33	30	PASS
				RB50#0	18.71	19.21	30	PASS
		15	LCH	RB1#0	20.18	20.68	30	PASS
				RB1#38	20.77	21.27	30	PASS
				RB1#74	20.45	20.95	30	PASS
				RB38#0	18.93	19.43	30	PASS
				RB38#19	19.31	19.81	30	PASS
				RB38#39	19.46	19.96	30	PASS
				RB75#0	19.09	19.59	30	PASS
			MCH	RB1#0	20.76	21.26	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	20.71	21.21	30	PASS
				RB1#74	20.35	20.85	30	PASS
				RB38#0	18.97	19.47	30	PASS
				RB38#19	19.45	19.95	30	PASS
				RB38#39	19.01	19.51	30	PASS
				RB75#0	18.95	19.45	30	PASS
			HCH	RB1#0	20.55	21.05	30	PASS
				RB1#38	20.67	21.17	30	PASS
				RB1#74	20.18	20.68	30	PASS
				RB38#0	18.93	19.43	30	PASS
				RB38#19	18.79	19.29	30	PASS
				RB38#39	18.81	19.31	30	PASS
				RB75#0	18.93	19.43	30	PASS
		20	LCH	RB1#0	19.78	20.28	30	PASS
				RB1#50	20.97	21.47	30	PASS
				RB1#99	20	20.5	30	PASS
				RB50#0	19.06	19.56	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	19.35	19.85	30	PASS
				RB50#50	19.19	19.69	30	PASS
				RB100#0	19.07	19.57	30	PASS
			MCH	RB1#0	20.31	20.81	30	PASS
				RB1#50	20.74	21.24	30	PASS
				RB1#99	19.84	20.34	30	PASS
				RB50#0	19.15	19.65	30	PASS
				RB50#25	19.17	19.67	30	PASS
				RB50#50	19.01	19.51	30	PASS
				RB100#0	18.91	19.41	30	PASS
			HCH	RB1#0	20.14	20.64	30	PASS
				RB1#50	20.89	21.39	30	PASS
				RB1#99	20.22	20.72	30	PASS
				RB50#0	18.83	19.33	30	PASS
				RB50#25	18.91	19.41	30	PASS
				RB50#50	18.79	19.29	30	PASS
				RB100#0	18.92	19.42	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	4.61	13	PASS
				RB1#3	4.74	13	PASS
				RB1#5	4.89	13	PASS
				RB3#0	5.19	13	PASS
				RB3#2	5.25	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	5.79	13	PASS
			MCH	RB1#0	4.8	13	PASS
				RB1#3	4.69	13	PASS
				RB1#5	4.66	13	PASS
				RB3#0	5.18	13	PASS
				RB3#2	5.14	13	PASS
				RB3#3	5.14	13	PASS
				RB6#0	5.87	13	PASS
			HCH	RB1#0	4.14	13	PASS
				RB1#3	4.13	13	PASS
				RB1#5	4.15	13	PASS
				RB3#0	4.65	13	PASS
				RB3#2	4.62	13	PASS
				RB3#3	4.68	13	PASS
				RB6#0	5.74	13	PASS
		3	LCH	RB1#0	4.79	13	PASS
				RB1#7	4.73	13	PASS
				RB1#14	4.95	13	PASS
				RB8#0	6.03	13	PASS
				RB8#4	6.14	13	PASS
				RB8#7	6	13	PASS
				RB15#0	5.8	13	PASS
			MCH	RB1#0	4.85	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.76	13	PASS
				RB8#0	5.82	13	PASS
				RB8#4	5.84	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.64	13	PASS
				RB15#0	6.03	13	PASS
			HCH	RB1#0	4.45	13	PASS
				RB1#7	4.09	13	PASS
				RB1#14	4.41	13	PASS
				RB8#0	5.69	13	PASS
				RB8#4	5.67	13	PASS
				RB8#7	5.74	13	PASS
				RB15#0	5.77	13	PASS
		5	LCH	RB1#0	4.74	13	PASS
				RB1#13	4.85	13	PASS
				RB1#24	5.05	13	PASS
				RB12#0	6.23	13	PASS
				RB12#6	6.03	13	PASS
				RB12#13	5.9	13	PASS
				RB25#0	6.42	13	PASS
			MCH	RB1#0	5.21	13	PASS
				RB1#13	4.74	13	PASS
				RB1#24	4.93	13	PASS
				RB12#0	6.28	13	PASS
				RB12#6	6	13	PASS
				RB12#13	5.71	13	PASS
				RB25#0	6.38	13	PASS
			HCH	RB1#0	4.65	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	4.43	13	PASS
				RB12#0	5.97	13	PASS
				RB12#6	5.7	13	PASS
				RB12#13	5.78	13	PASS
				RB25#0	6.3	13	PASS
		10	LCH	RB1#0	4.87	13	PASS
				RB1#25	4.59	13	PASS
				RB1#49	4.78	13	PASS
				RB25#0	6.55	13	PASS
				RB25#13	6.07	13	PASS
				RB25#25	6.13	13	PASS
				RB50#0	6.52	13	PASS
			MCH	RB1#0	5.1	13	PASS
				RB1#25	4.75	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	5.01	13	PASS
				RB25#0	6.36	13	PASS
				RB25#13	6.08	13	PASS
				RB25#25	5.82	13	PASS
				RB50#0	6.64	13	PASS
			HCH	RB1#0	4.9	13	PASS
				RB1#25	4.32	13	PASS
				RB1#49	4.39	13	PASS
				RB25#0	6.39	13	PASS
				RB25#13	6.18	13	PASS
				RB25#25	6.02	13	PASS
				RB50#0	6.6	13	PASS
			LCH	RB1#0	4.97	13	PASS
				RB1#38	4.77	13	PASS
				RB1#74	4.96	13	PASS
				RB38#0	6.6	13	PASS
				RB38#19	6.18	13	PASS
				RB38#39	6.11	13	PASS
				RB75#0	6.69	13	PASS
		15	MCH	RB1#0	5.16	13	PASS
				RB1#38	4.89	13	PASS
				RB1#74	5.08	13	PASS
				RB38#0	6.53	13	PASS
				RB38#19	6.18	13	PASS
				RB38#39	6.06	13	PASS
				RB75#0	6.59	13	PASS
			HCH	RB1#0	5.01	13	PASS
				RB1#38	4.55	13	PASS
				RB1#74	4.52	13	PASS
				RB38#0	6.49	13	PASS
				RB38#19	6.17	13	PASS
				RB38#39	6.2	13	PASS
				RB75#0	6.69	13	PASS
		20	LCH	RB1#0	5.19	13	PASS
				RB1#50	4.7	13	PASS
				RB1#99	5.3	13	PASS
				RB50#0	6.59	13	PASS
				RB50#25	6.27	13	PASS
				RB50#50	6.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB100#0	6.68	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#50	4.69	13	PASS
				RB1#99	5.21	13	PASS
				RB50#0	6.48	13	PASS
				RB50#25	6.21	13	PASS
				RB50#50	6.09	13	PASS
				RB100#0	6.69	13	PASS
			HCH	RB1#0	5.4	13	PASS
				RB1#50	4.68	13	PASS
				RB1#99	4.86	13	PASS
				RB50#0	6.52	13	PASS
				RB50#25	6.26	13	PASS
				RB50#50	6.22	13	PASS
				RB100#0	6.69	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.25	13	PASS
				RB1#3	5.5	13	PASS
				RB1#5	5.46	13	PASS
				RB3#0	5.88	13	PASS
				RB3#2	5.89	13	PASS
				RB3#3	5.96	13	PASS
				RB6#0	6.55	13	PASS
			MCH	RB1#0	5.45	13	PASS
				RB1#3	5.6	13	PASS
				RB1#5	5.63	13	PASS
				RB3#0	6.03	13	PASS
				RB3#2	5.94	13	PASS
				RB3#3	5.87	13	PASS
				RB6#0	6.55	13	PASS
			HCH	RB1#0	4.48	13	PASS
				RB1#3	4.68	13	PASS
				RB1#5	4.58	13	PASS
				RB3#0	5.28	13	PASS
				RB3#2	5.27	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	6.58	13	PASS
		3	LCH	RB1#0	5.37	13	PASS
				RB1#7	5.31	13	PASS
				RB1#14	5.75	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6.28	13	PASS
				RB8#4	6.38	13	PASS
				RB8#7	6.32	13	PASS
				RB15#0	6.6	13	PASS
			MCH	RB1#0	5.61	13	PASS
				RB1#7	5.58	13	PASS
				RB1#14	5.75	13	PASS
				RB8#0	6.41	13	PASS
				RB8#4	6.67	13	PASS
				RB8#7	6.49	13	PASS
				RB15#0	6.89	13	PASS
			HCH	RB1#0	5.1	13	PASS
				RB1#7	4.73	13	PASS
				RB1#14	4.99	13	PASS
				RB8#0	6.25	13	PASS
				RB8#4	6.22	13	PASS
				RB8#7	6.22	13	PASS
				RB15#0	6.46	13	PASS
			LCH	RB1#0	5.48	13	PASS
				RB1#13	5.53	13	PASS
				RB1#24	5.69	13	PASS
				RB12#0	7.03	13	PASS
				RB12#6	6.76	13	PASS
				RB12#13	6.67	13	PASS
				RB25#0	6.93	13	PASS
		5	MCH	RB1#0	5.61	13	PASS
				RB1#13	5.3	13	PASS
				RB1#24	5.43	13	PASS
				RB12#0	6.81	13	PASS
				RB12#6	6.52	13	PASS
				RB12#13	6.29	13	PASS
				RB25#0	6.94	13	PASS
			HCH	RB1#0	5.21	13	PASS
				RB1#13	4.87	13	PASS
				RB1#24	5.05	13	PASS
				RB12#0	6.43	13	PASS
				RB12#6	6.08	13	PASS
				RB12#13	6.34	13	PASS
				RB25#0	7.16	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	5.61	13	PASS
				RB1#25	5.54	13	PASS
				RB1#49	5.42	13	PASS
				RB25#0	7.06	13	PASS
				RB25#13	6.77	13	PASS
				RB25#25	6.49	13	PASS
				RB50#0	7.36	13	PASS
			MCH	RB1#0	5.92	13	PASS
				RB1#25	5.58	13	PASS
				RB1#49	5.53	13	PASS
				RB25#0	6.9	13	PASS
				RB25#13	6.57	13	PASS
				RB25#25	6.48	13	PASS
				RB50#0	7.33	13	PASS
			HCH	RB1#0	5.33	13	PASS
				RB1#25	4.8	13	PASS
				RB1#49	4.79	13	PASS
				RB25#0	7.17	13	PASS
				RB25#13	6.67	13	PASS
				RB25#25	6.5	13	PASS
				RB50#0	6.99	13	PASS
		15	LCH	RB1#0	5.51	13	PASS
				RB1#38	5.4	13	PASS
				RB1#74	5.47	13	PASS
				RB38#0	7.17	13	PASS
				RB38#19	6.75	13	PASS
				RB38#39	6.45	13	PASS
				RB75#0	7.26	13	PASS
			MCH	RB1#0	5.99	13	PASS
				RB1#38	5.74	13	PASS
				RB1#74	5.71	13	PASS
				RB38#0	7.06	13	PASS
				RB38#19	6.65	13	PASS
				RB38#39	6.4	13	PASS
				RB75#0	7.33	13	PASS
			HCH	RB1#0	5.48	13	PASS
				RB1#38	4.95	13	PASS
				RB1#74	5.08	13	PASS
				RB38#0	7.02	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#19	6.8	13	PASS
				RB38#39	6.6	13	PASS
				RB75#0	7.41	13	PASS
		20	LCH	RB1#0	5.86	13	PASS
				RB1#50	5.28	13	PASS
				RB1#99	6.15	13	PASS
				RB50#0	7.31	13	PASS
				RB50#25	6.74	13	PASS
				RB50#50	6.71	13	PASS
				RB100#0	7.35	13	PASS
			MCH	RB1#0	5.71	13	PASS
				RB1#50	5.34	13	PASS
				RB1#99	5.83	13	PASS
				RB50#0	7	13	PASS
				RB50#25	6.66	13	PASS
				RB50#50	6.61	13	PASS
				RB100#0	7.34	13	PASS
			HCH	RB1#0	5.93	13	PASS
				RB1#50	5.31	13	PASS
				RB1#99	5.46	13	PASS
				RB50#0	7.07	13	PASS
				RB50#25	6.63	13	PASS
				RB50#50	6.77	13	PASS
				RB100#0	7.2	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
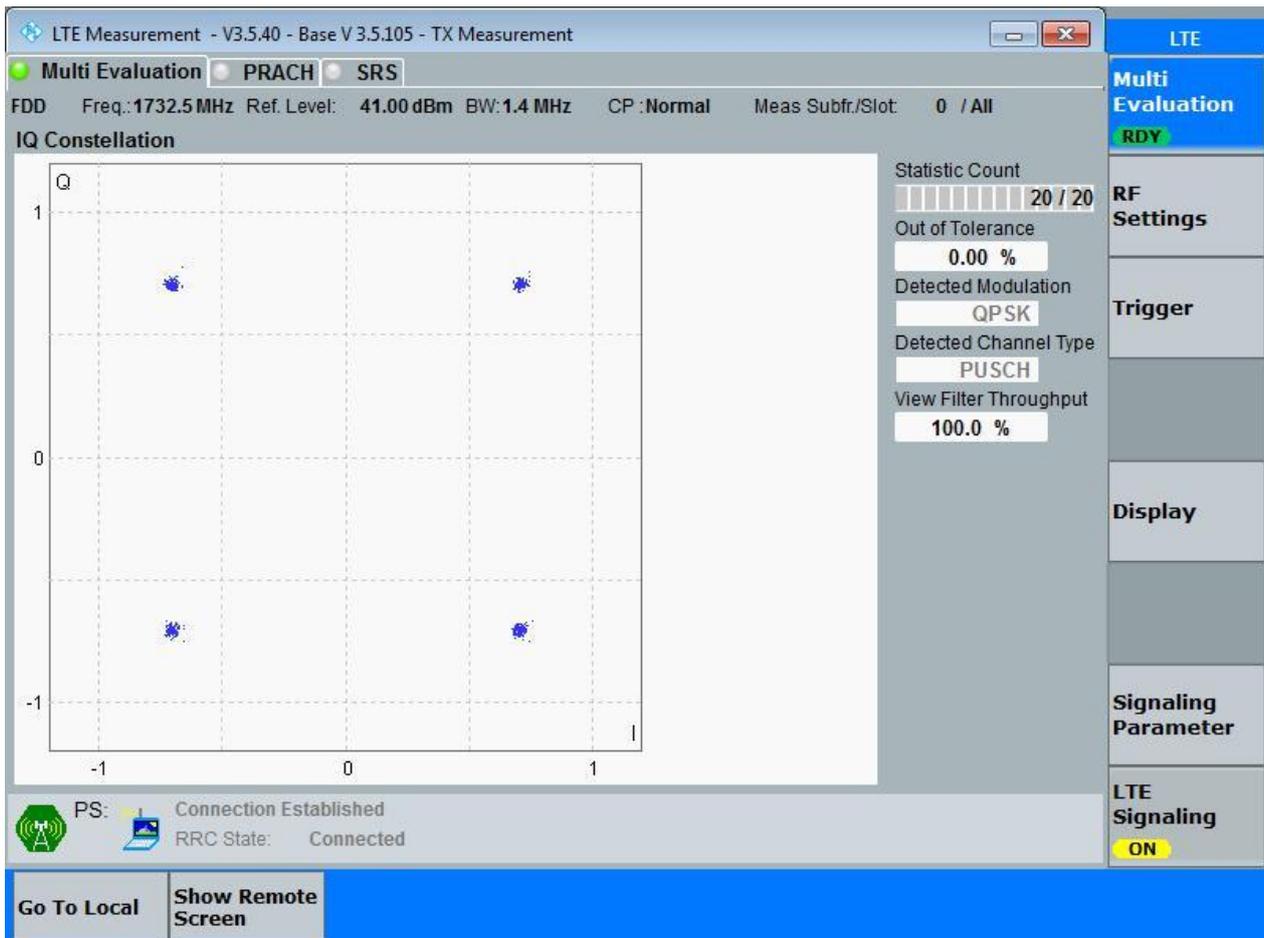
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

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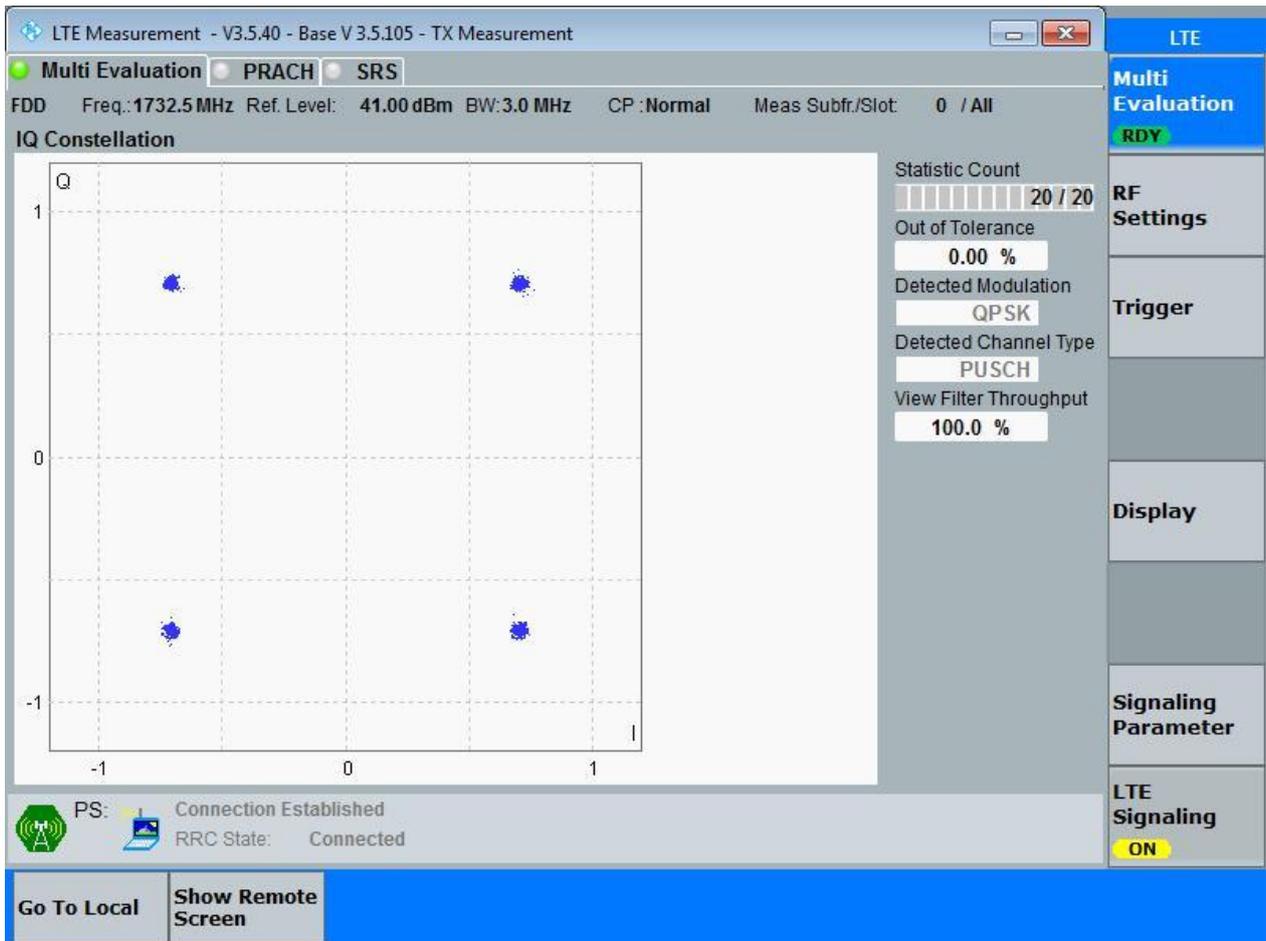
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

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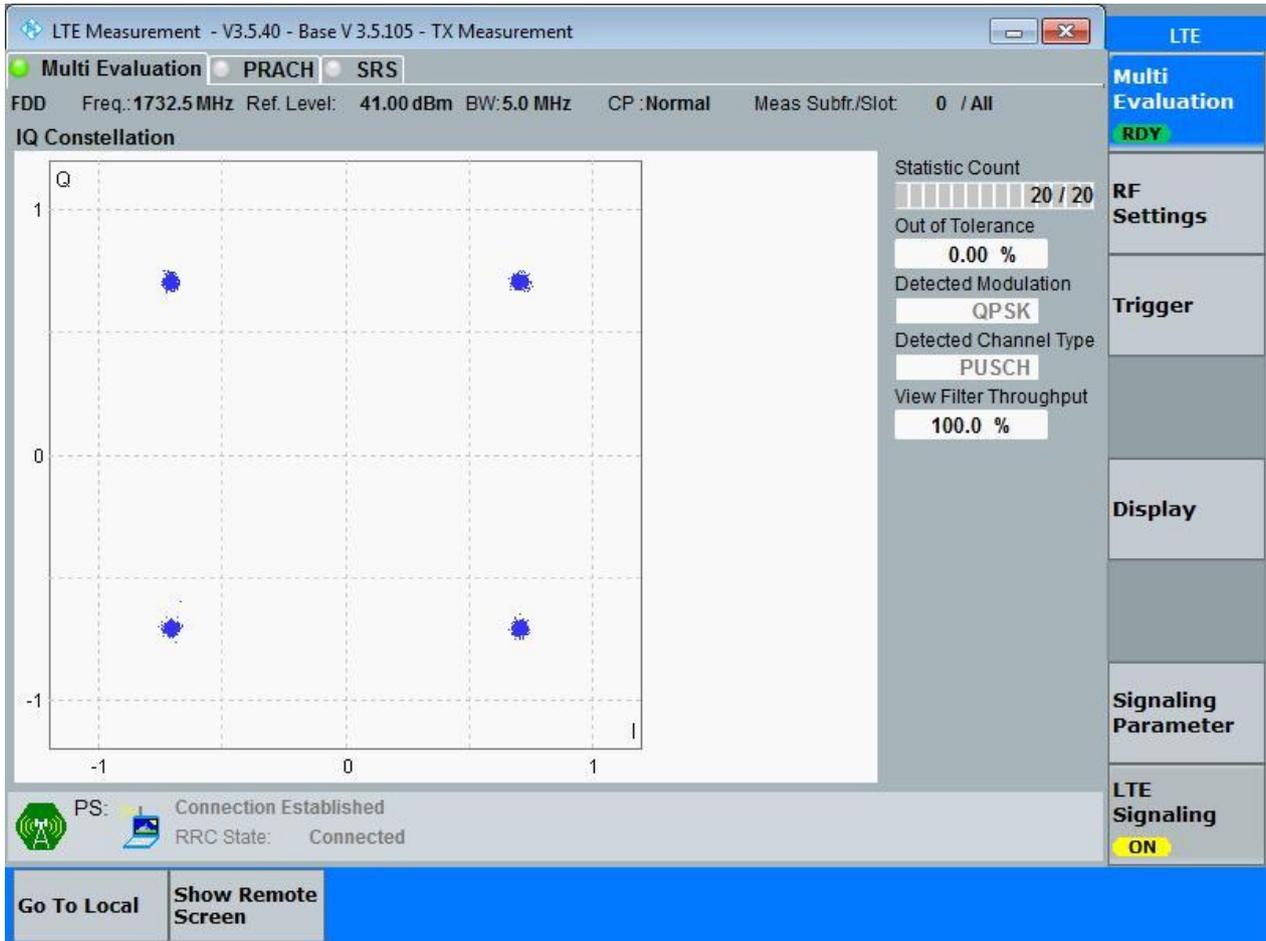
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

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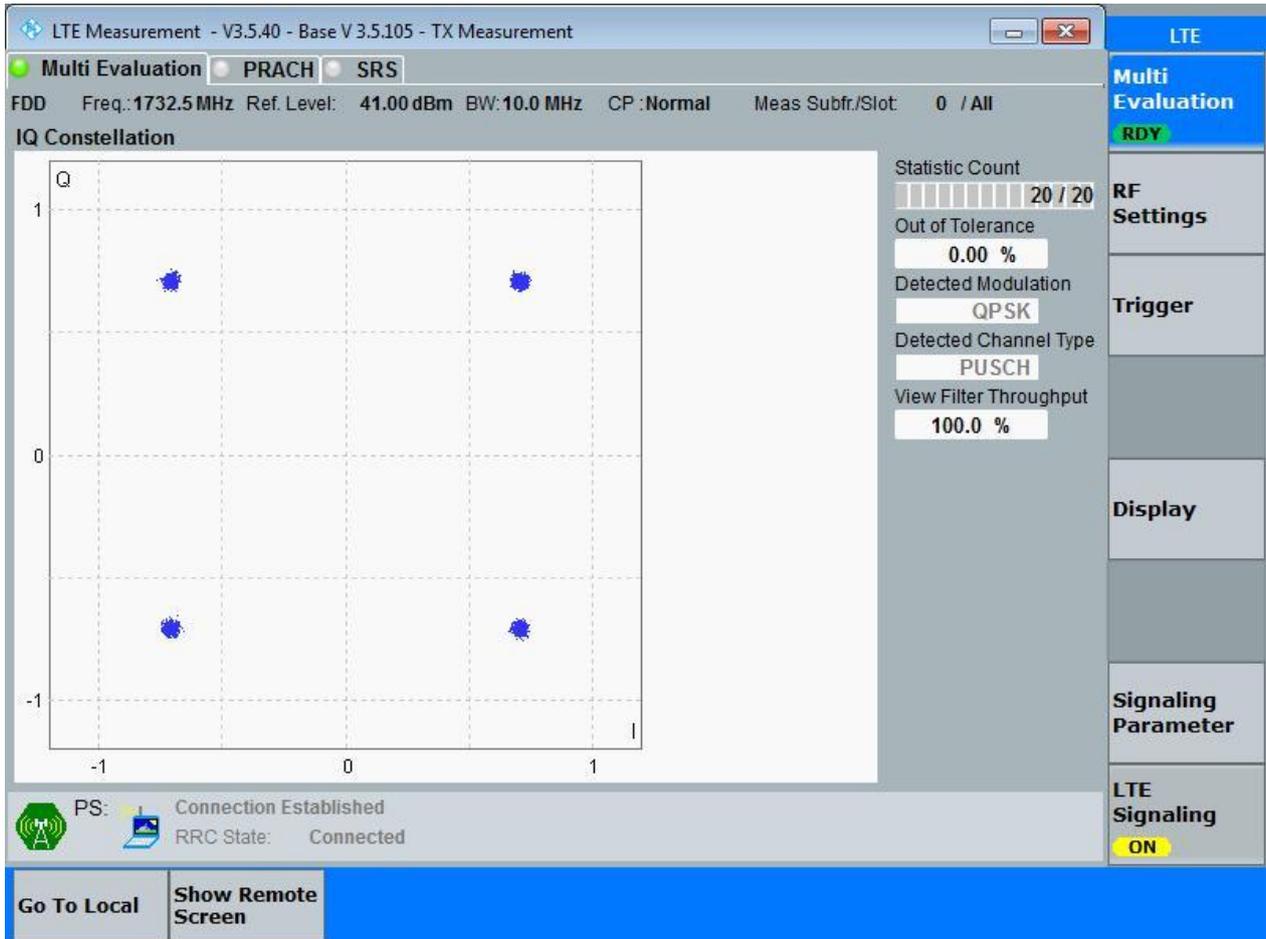
3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

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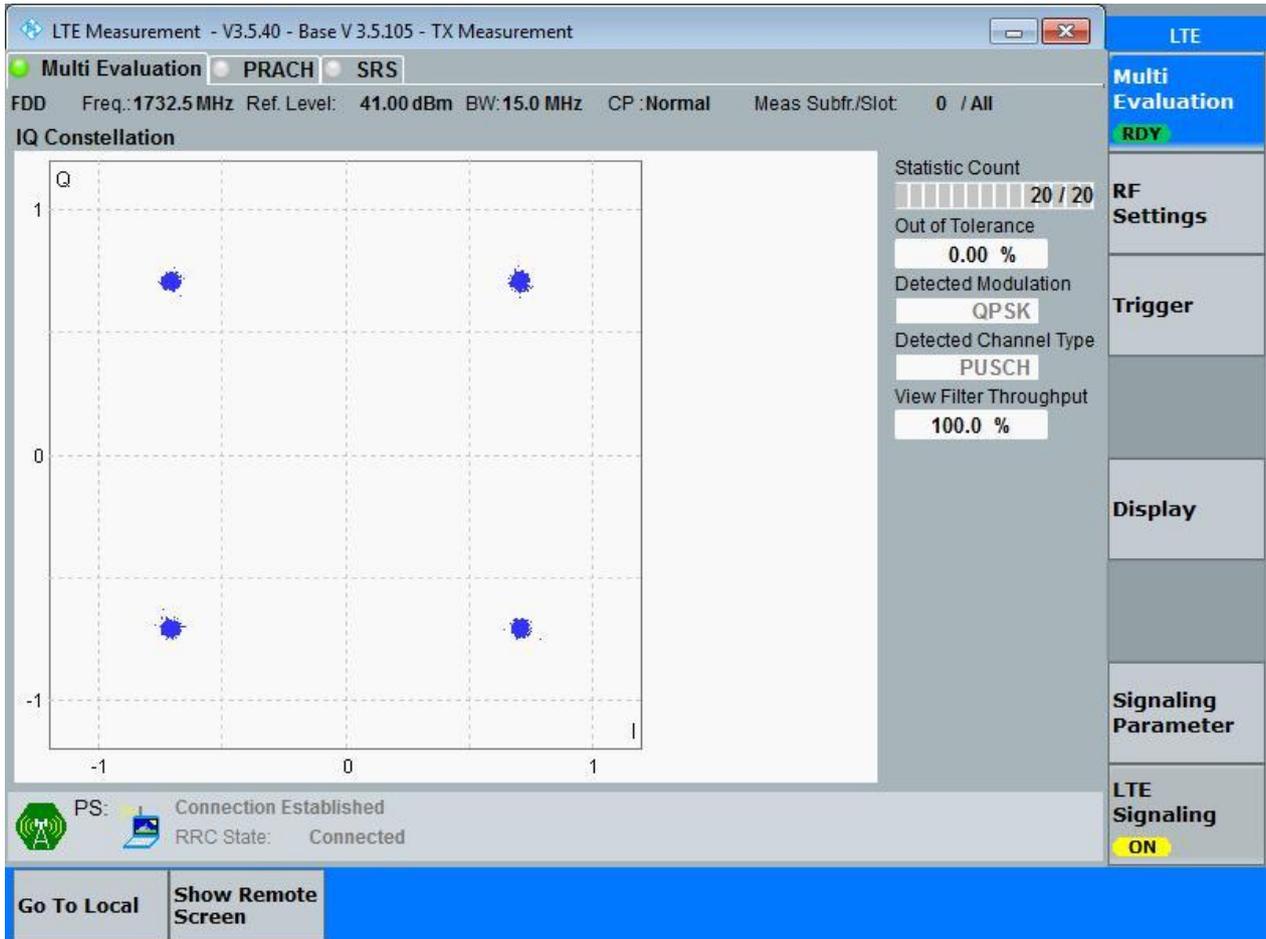
3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

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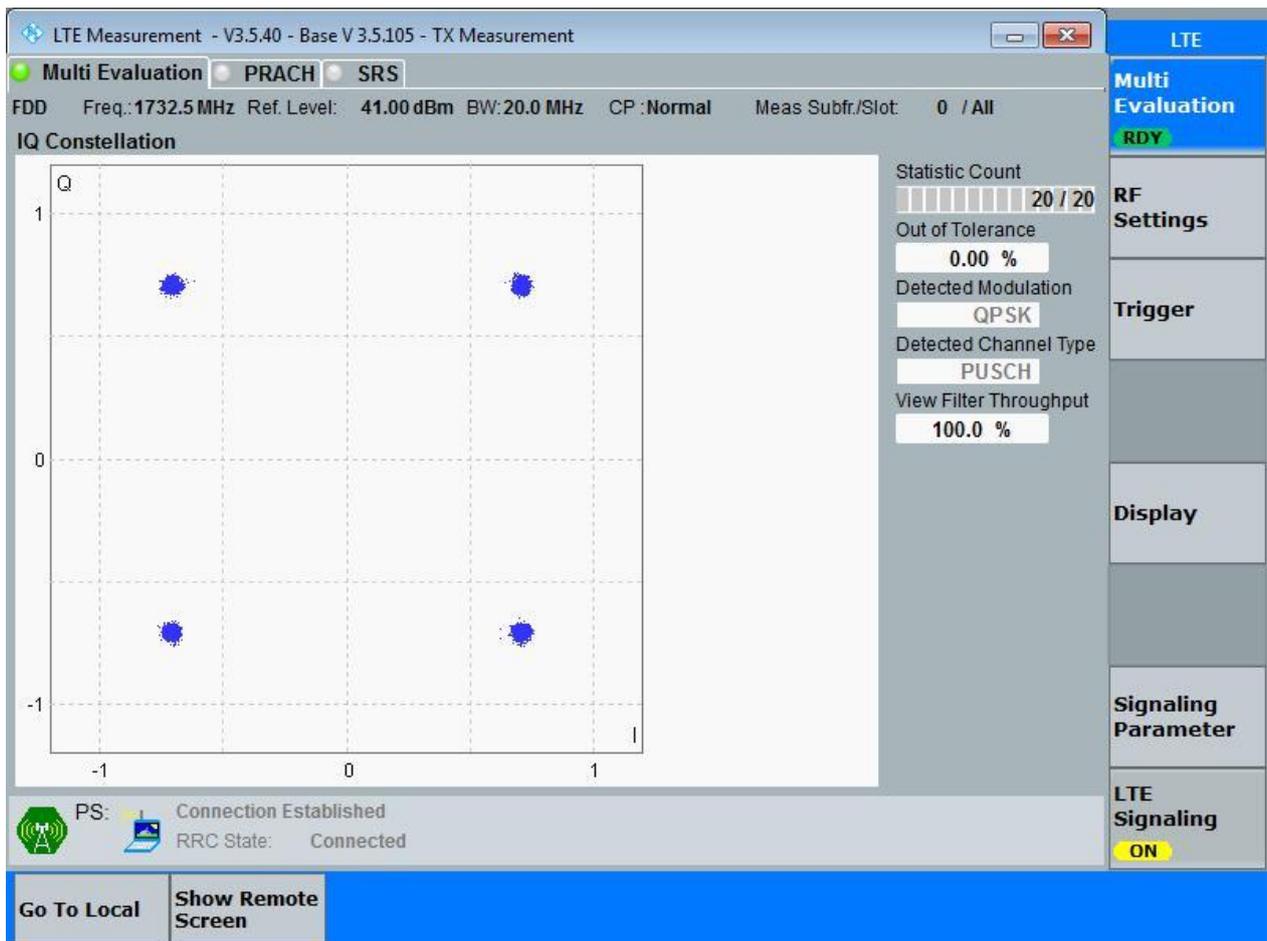
3.1.1.2 Test Mode = LTE/TM2

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
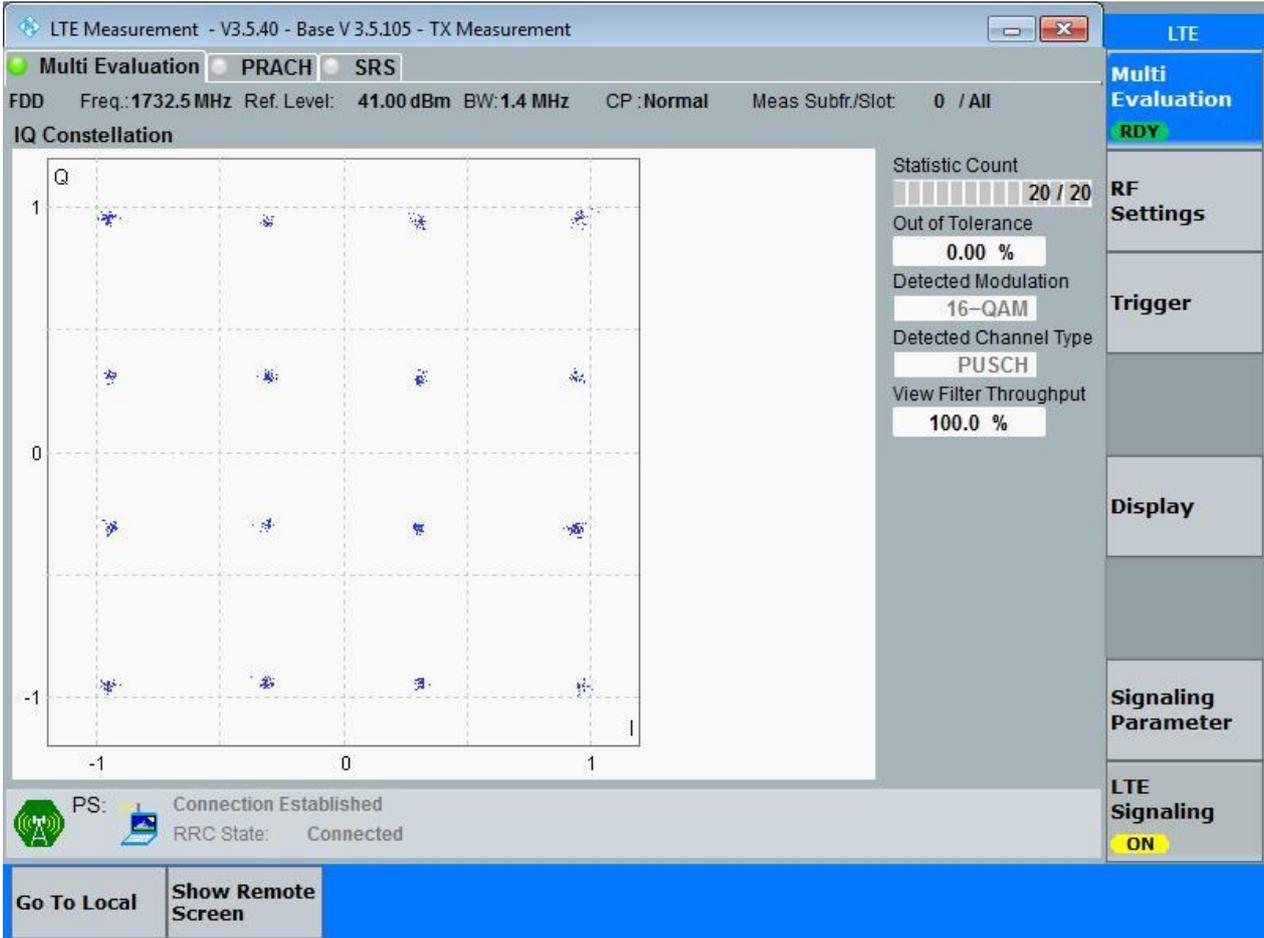
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

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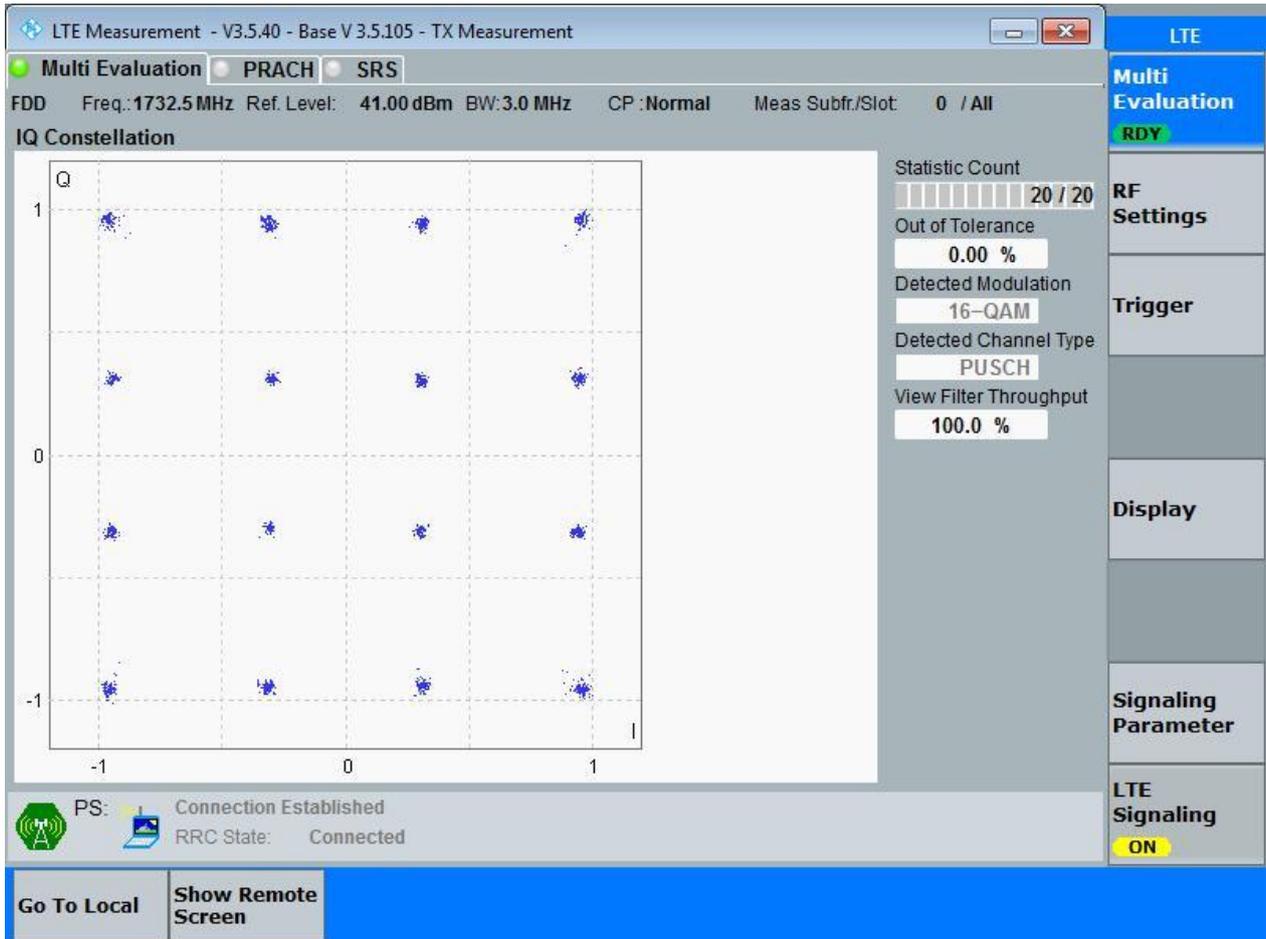
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

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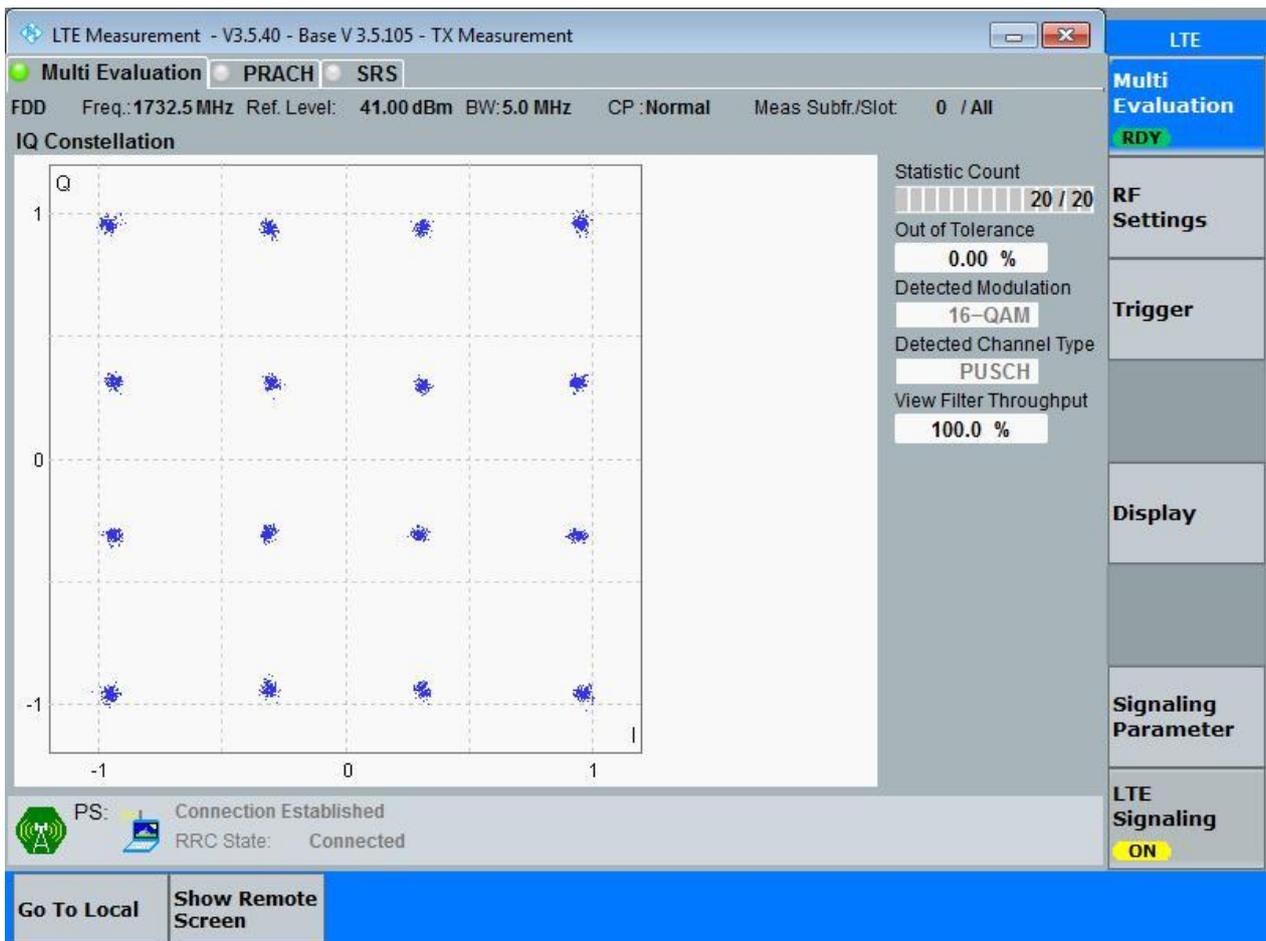
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

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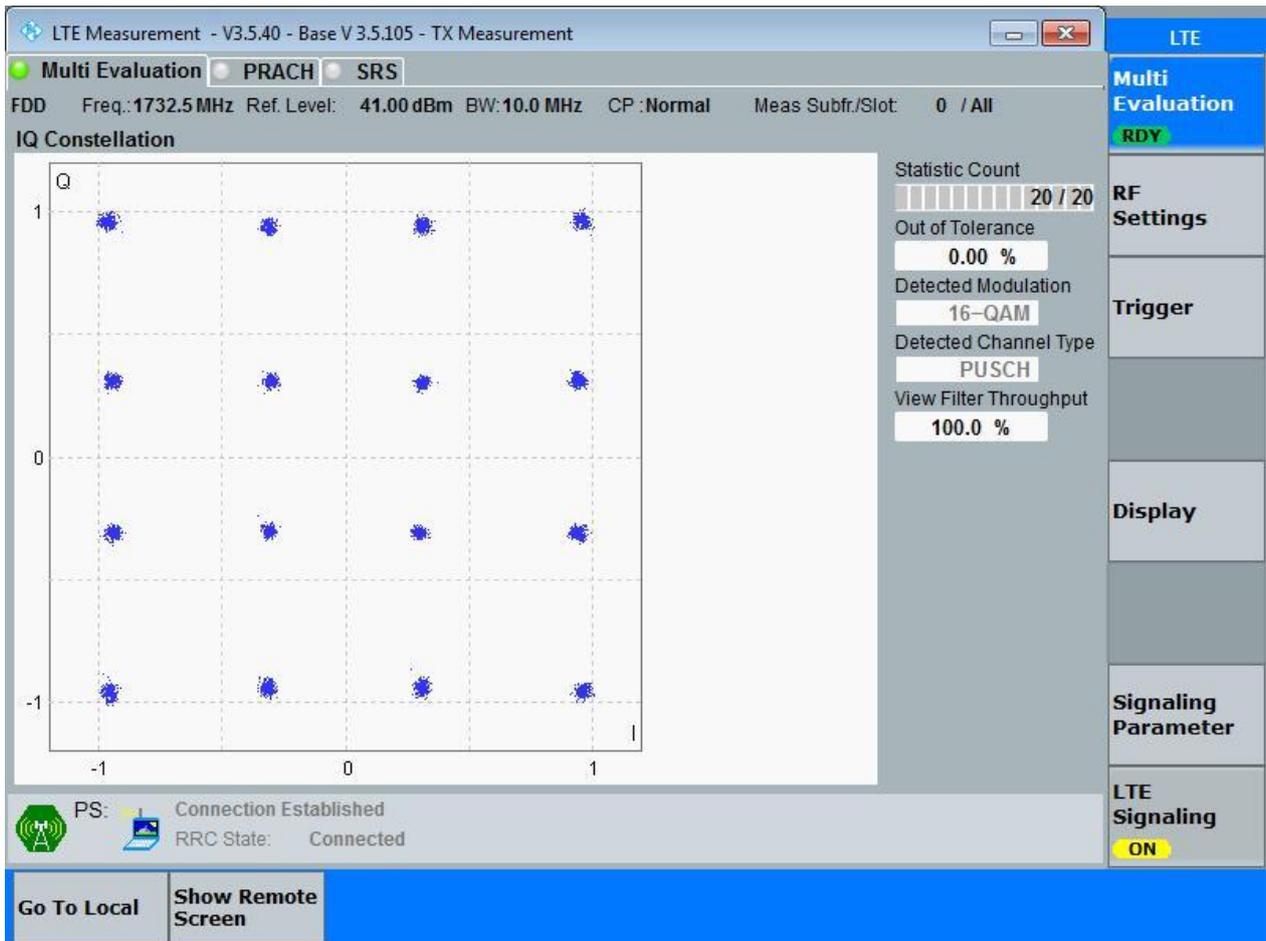
3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

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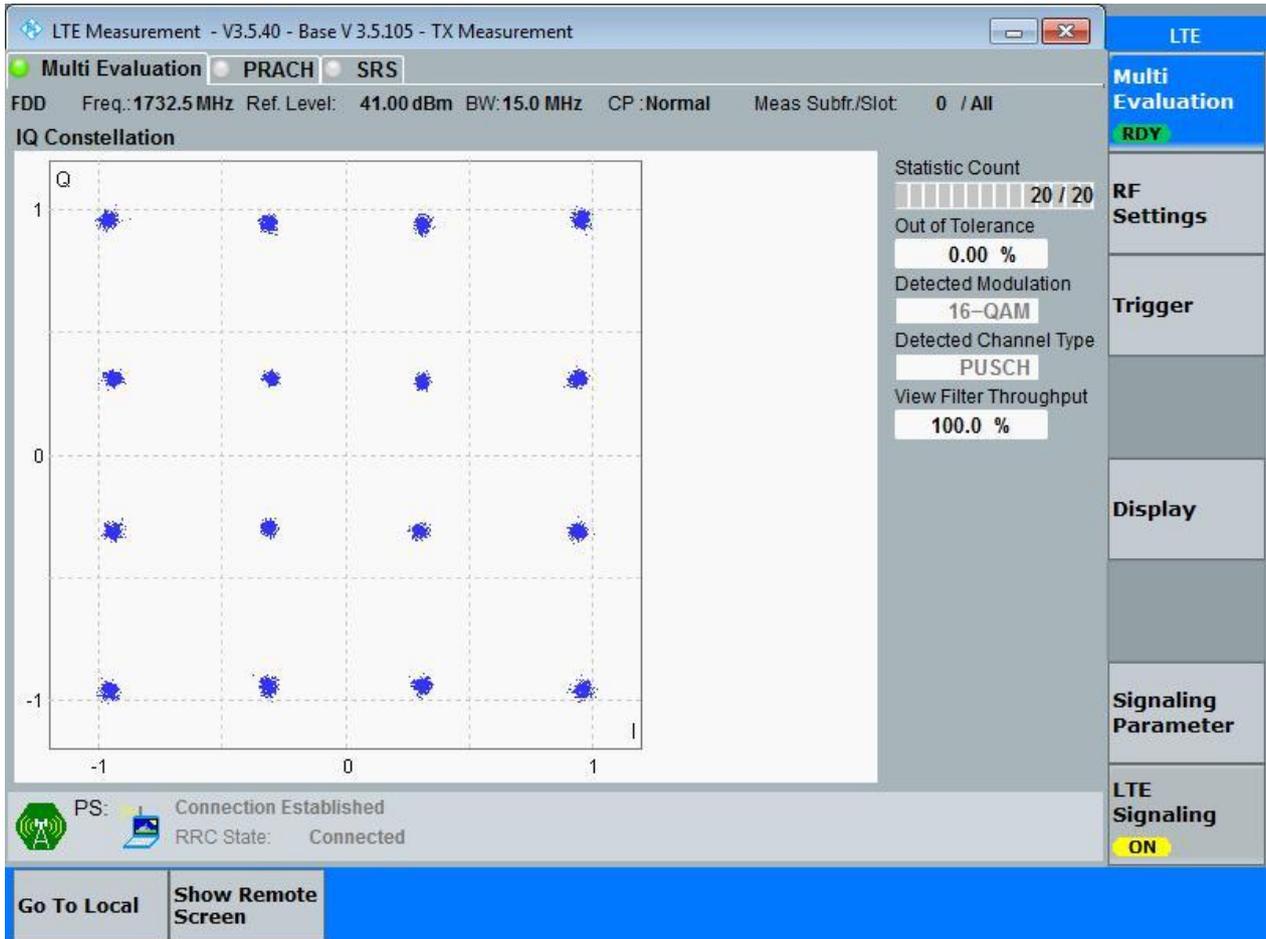
3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0
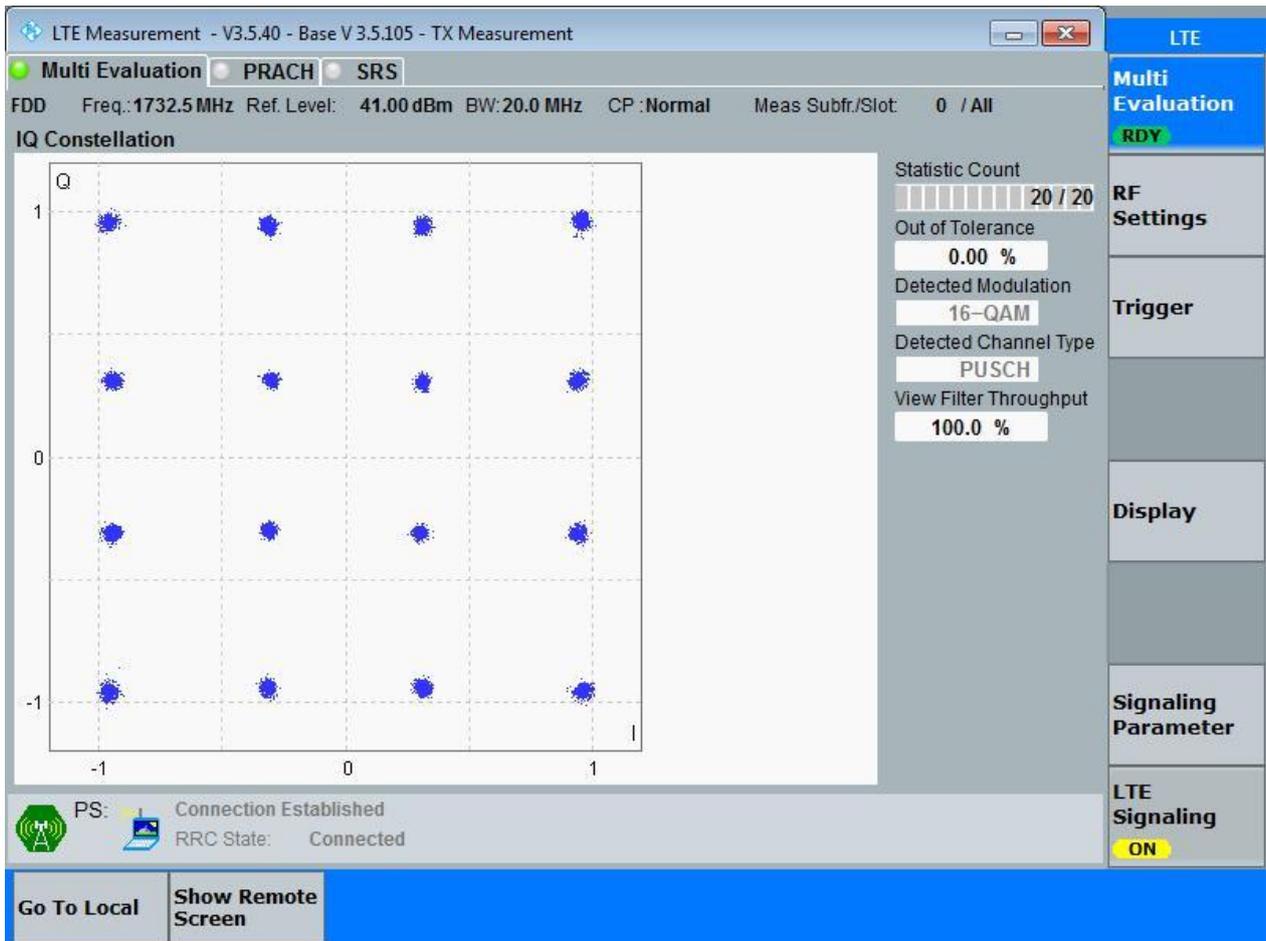
4Appendix_D: Bandwidth

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	1.23	Pass
		1.4	MCH	RB6#0	1.09	1.23	Pass
		1.4	HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
		3	MCH	RB15#0	2.71	2.96	Pass
		3	HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.51	4.89	Pass
		5	MCH	RB25#0	4.51	4.90	Pass
		5	HCH	RB25#0	4.51	4.87	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
		10	MCH	RB50#0	9.00	9.64	Pass
		10	HCH	RB50#0	8.98	9.60	Pass
		15	LCH	RB75#0	13.46	14.43	Pass
		15	MCH	RB75#0	13.53	14.42	Pass
		15	HCH	RB75#0	13.47	14.33	Pass
		20	LCH	RB100#0	17.90	19.06	Pass
		20	MCH	RB100#0	18.04	19.18	Pass
		20	HCH	RB100#0	17.94	19.04	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
		1.4	MCH	RB6#0	1.09	1.23	Pass
		1.4	HCH	RB6#0	1.10	1.23	Pass
		3	LCH	RB15#0	2.71	2.96	Pass
		3	MCH	RB15#0	2.71	2.94	Pass
		3	HCH	RB15#0	2.71	2.95	Pass
		5	LCH	RB25#0	4.51	4.85	Pass
		5	MCH	RB25#0	4.51	4.90	Pass
		5	HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	9.01	9.62	Pass
		10	MCH	RB50#0	9.00	9.65	Pass
		10	HCH	RB50#0	8.99	9.61	Pass
		15	LCH	RB75#0	13.47	14.35	Pass
		15	MCH	RB75#0	13.52	14.42	Pass
		15	HCH	RB75#0	13.47	14.36	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		20	LCH	RB100#0	17.91	19.02	Pass
			MCH	RB100#0	18.03	19.25	Pass
			HCH	RB100#0	17.95	19.07	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
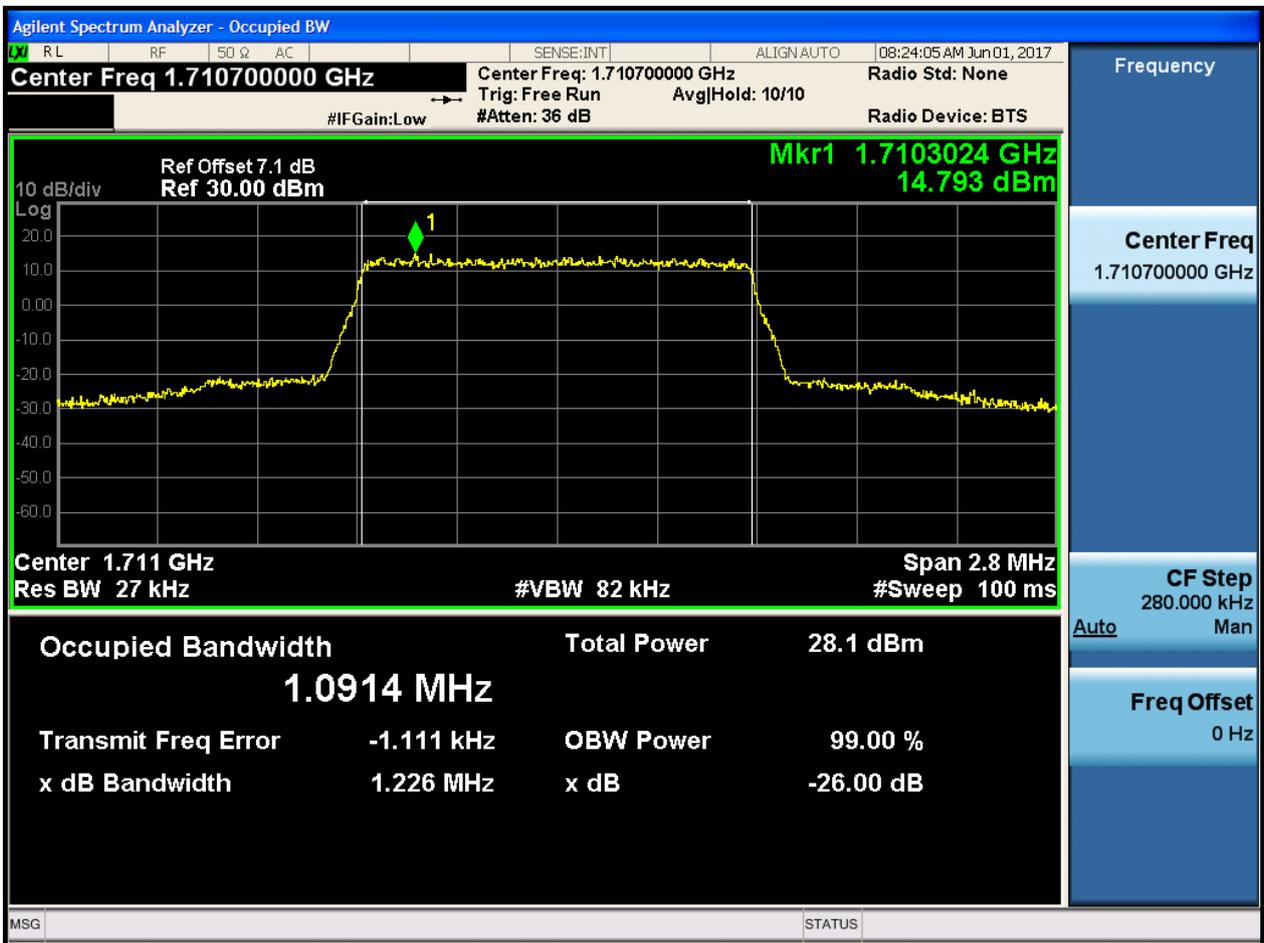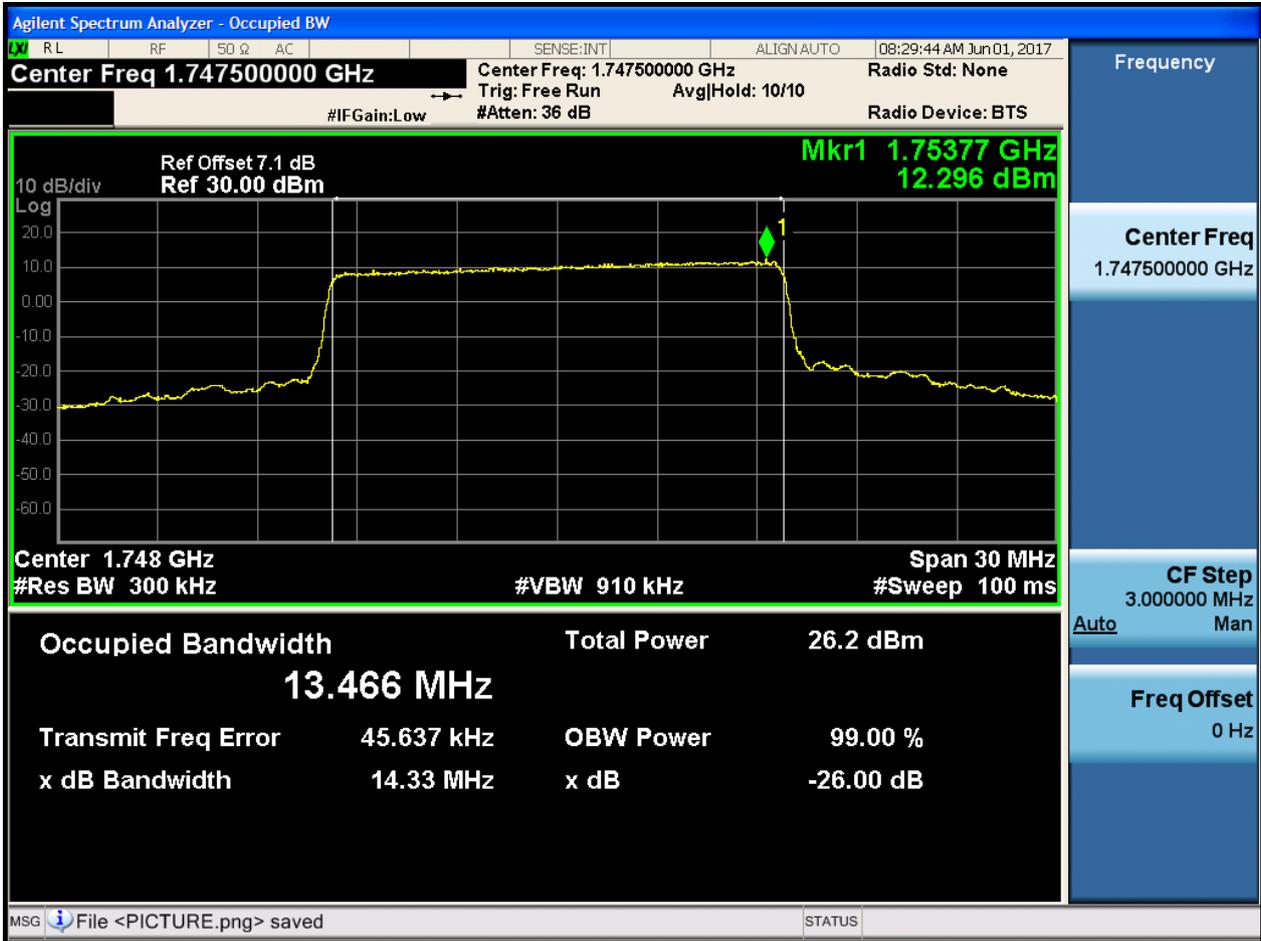
4.1.1.1.1.2 Test Channel = MCH

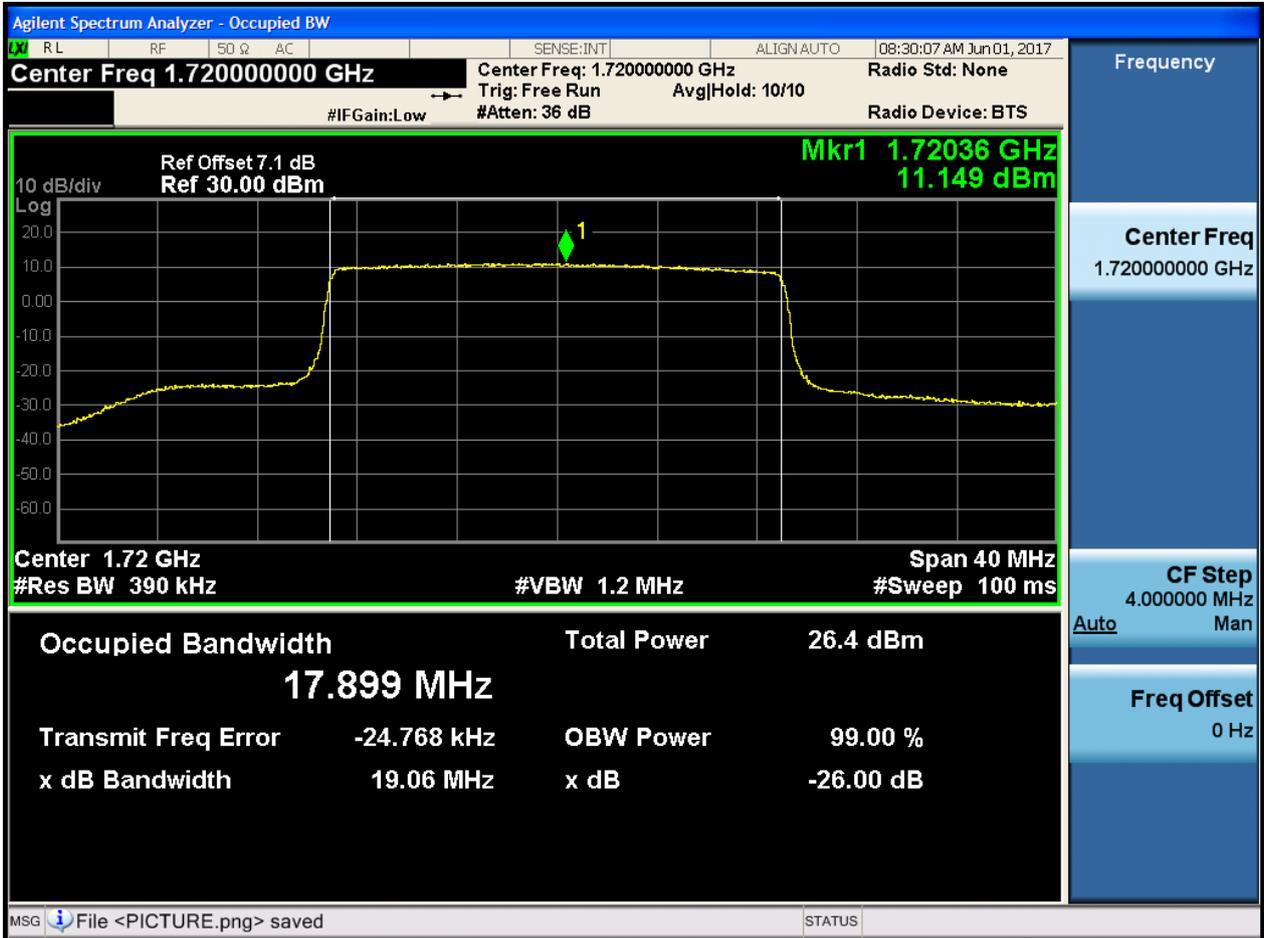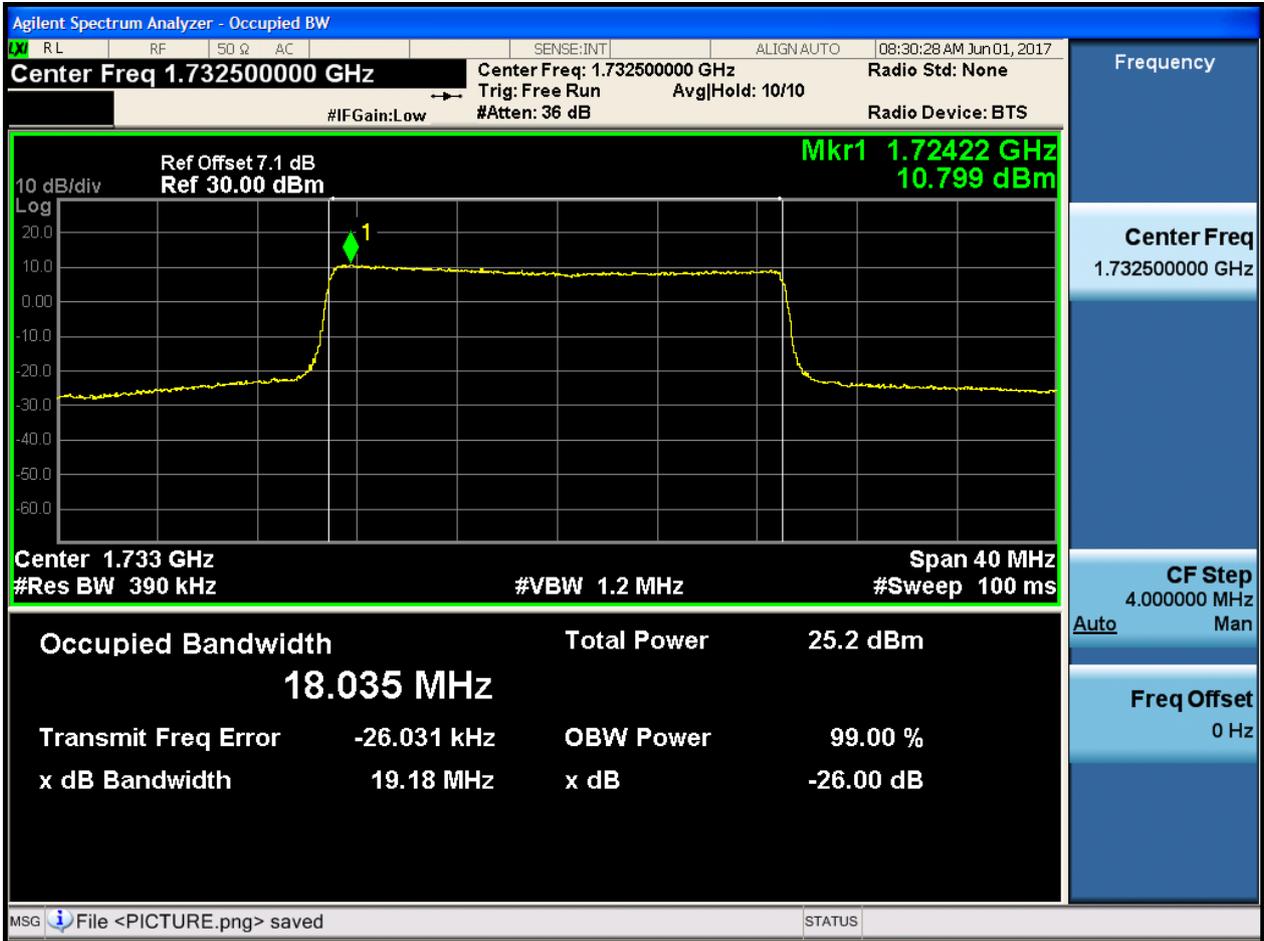### 4.1.1.1.1.2.1 Test RB = RB6#0
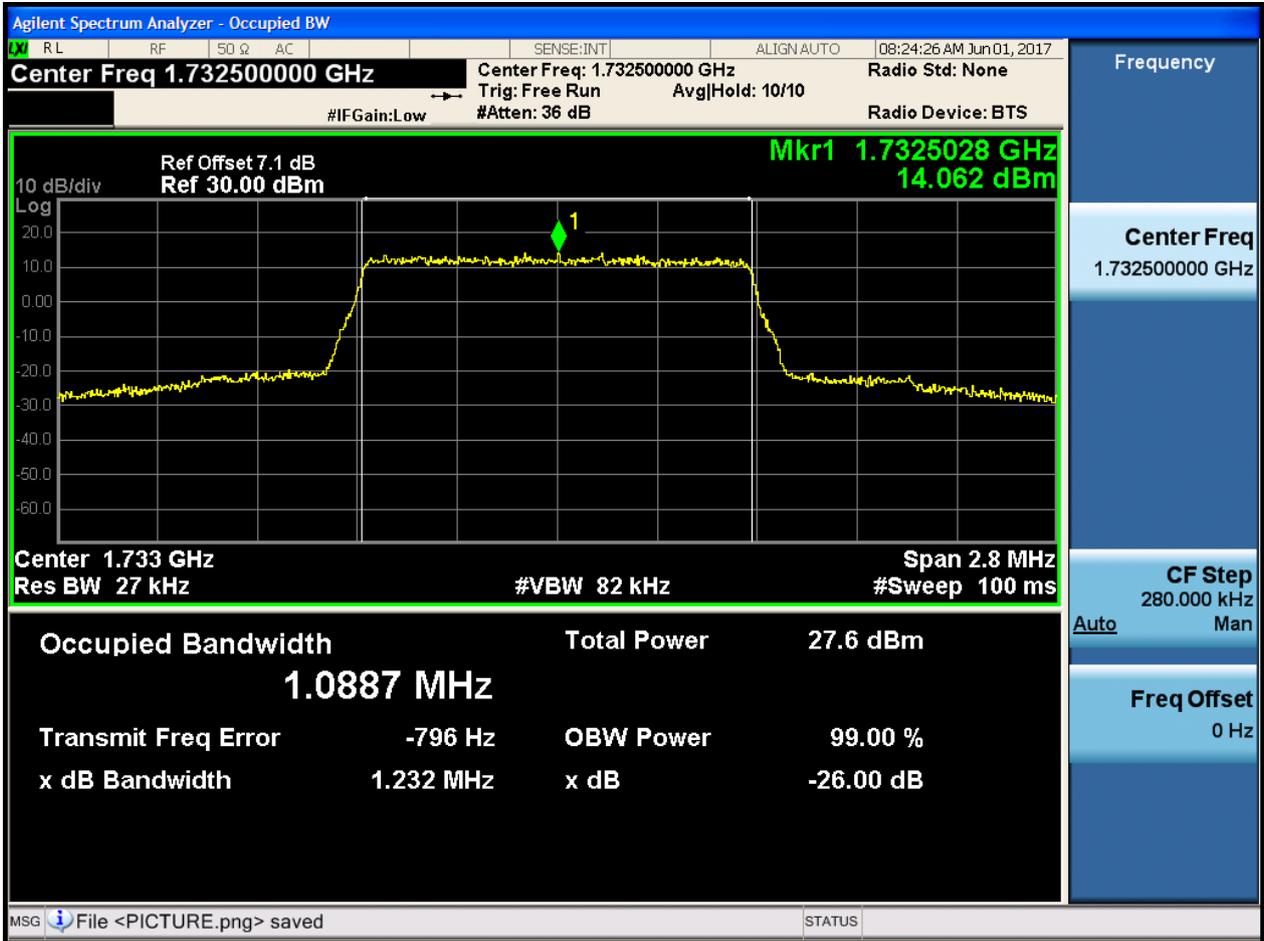
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

Agilent Spectrum Analyzer - Occupied BW		
LXI R L RF 50 Ω AC SENSE:INT ALIGN AUTO 08:24:47 AM Jun 01, 2017		Frequency

Center Freq 1.754300000 GHz

#IFGain:Low

Center Freq: 1.754300000 GHz
Trig: Free Run   Avg|Hold: 10/10
#Atten: 36 dB

Radio Std: None
Radio Device: BTS

Mkr1 1.7547284 GHz
        15.745 dBm

Ref Offset 7.1 dB
10 dB/div   Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 1.754 GHz   Span 2.8 MHz
Res BW 27 kHz   #VBW 82 kHz   #Sweep 100 ms

Occupied Bandwidth   Total Power   29.4 dBm
        1.0925 MHz

Transmit Freq Error   -571 Hz   OBW Power   99.00 %
x dB Bandwidth   1.230 MHz   x dB   -26.00 dB

MSG File <PICTURE.png> saved   STATUS

Center Freq
1.754300000 GHz

CF Step
280.000 kHz
Auto   Man

Freq Offset
0 Hz

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
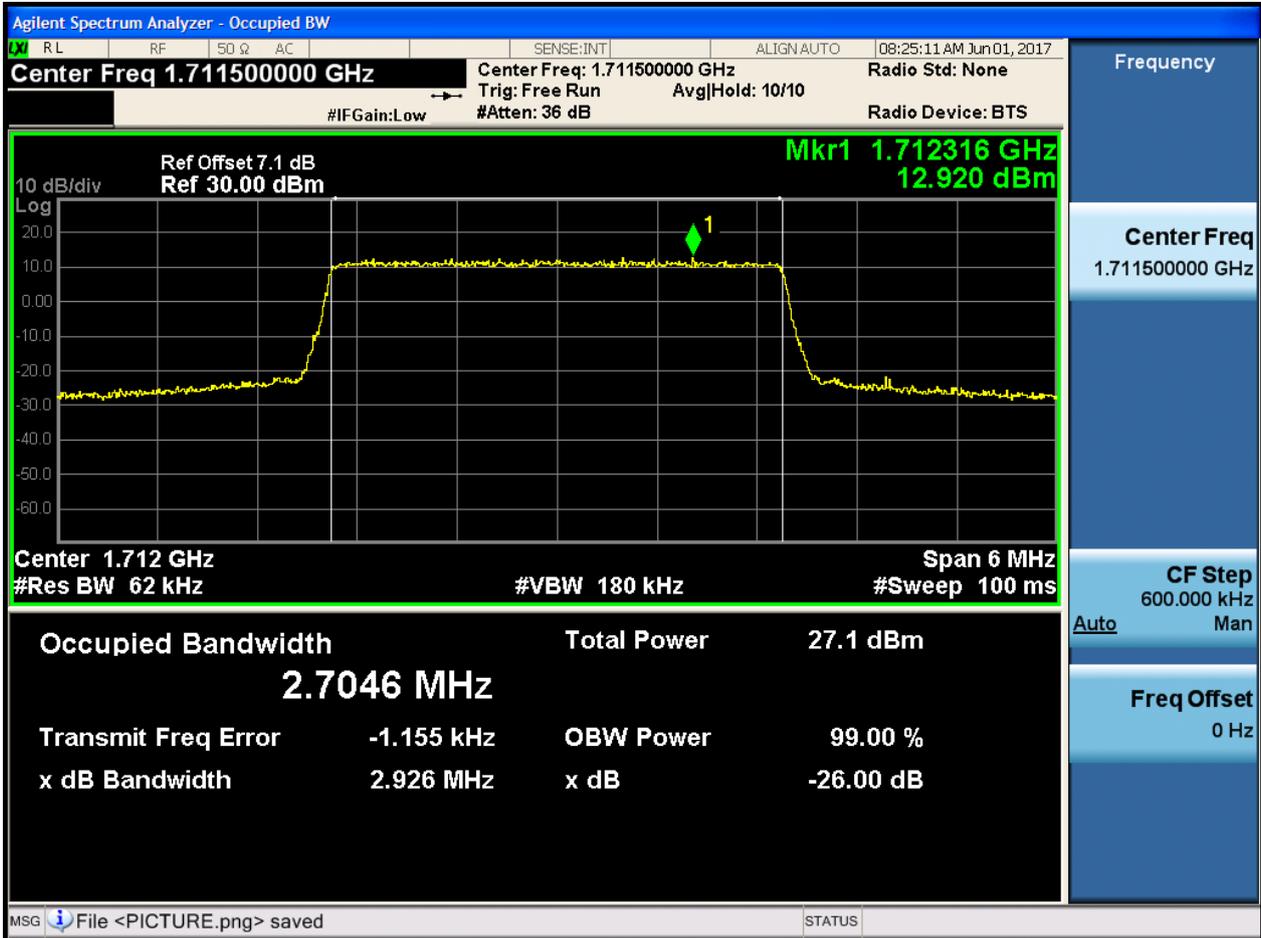
4.1.1.1.2.2 Test Channel = MCH

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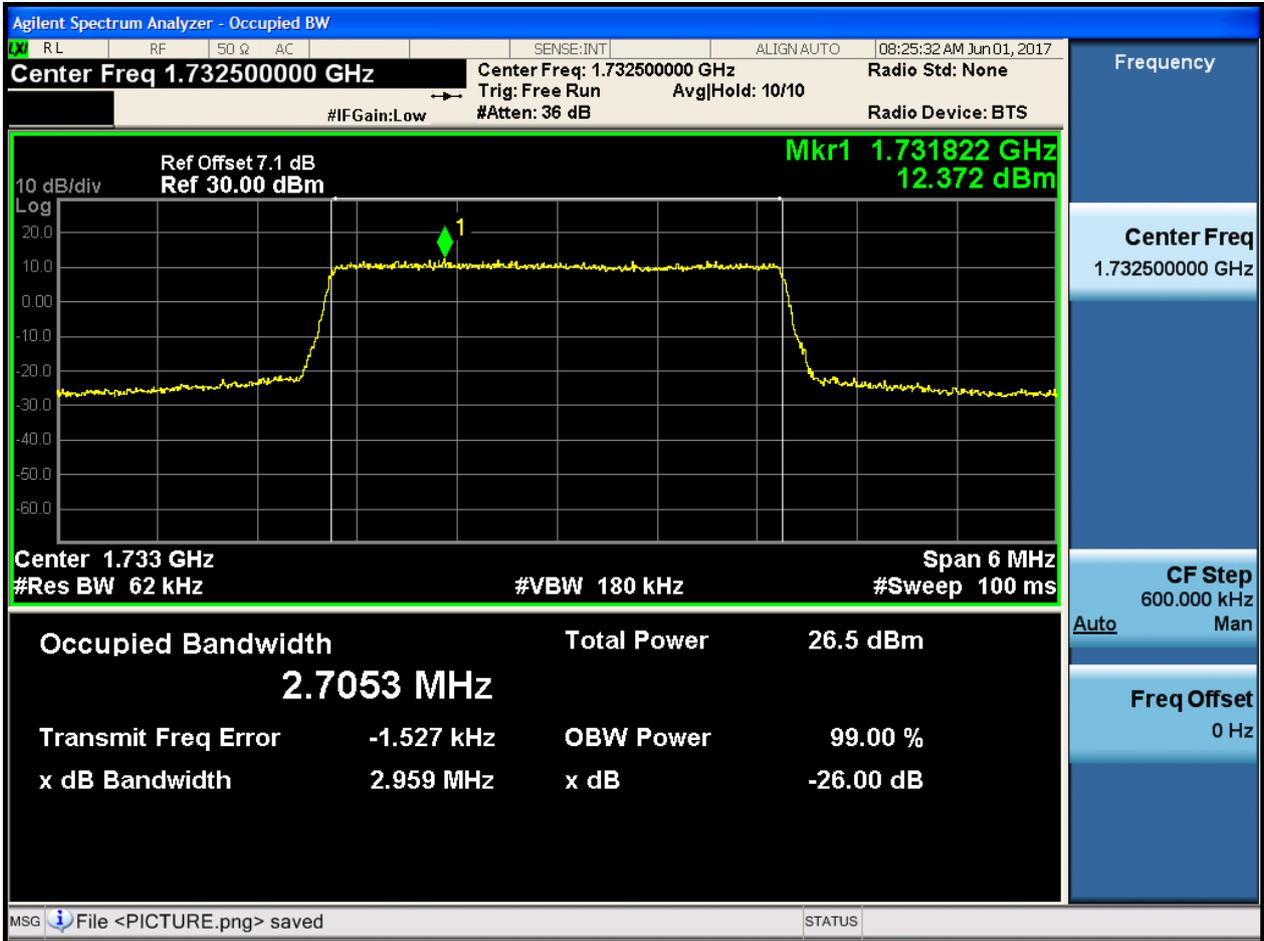
4.1.1.1.2.3 Test Channel = HCH

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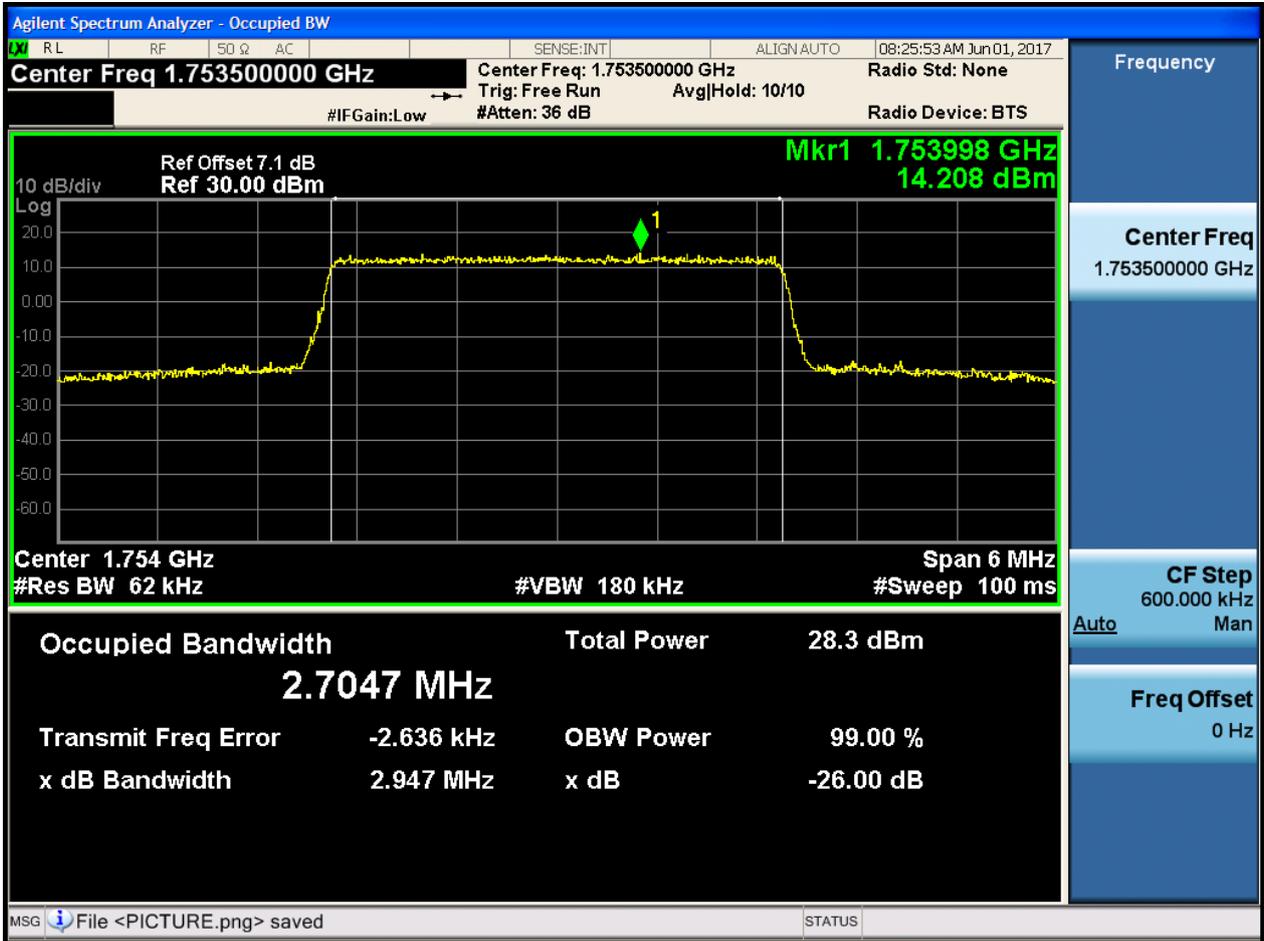
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

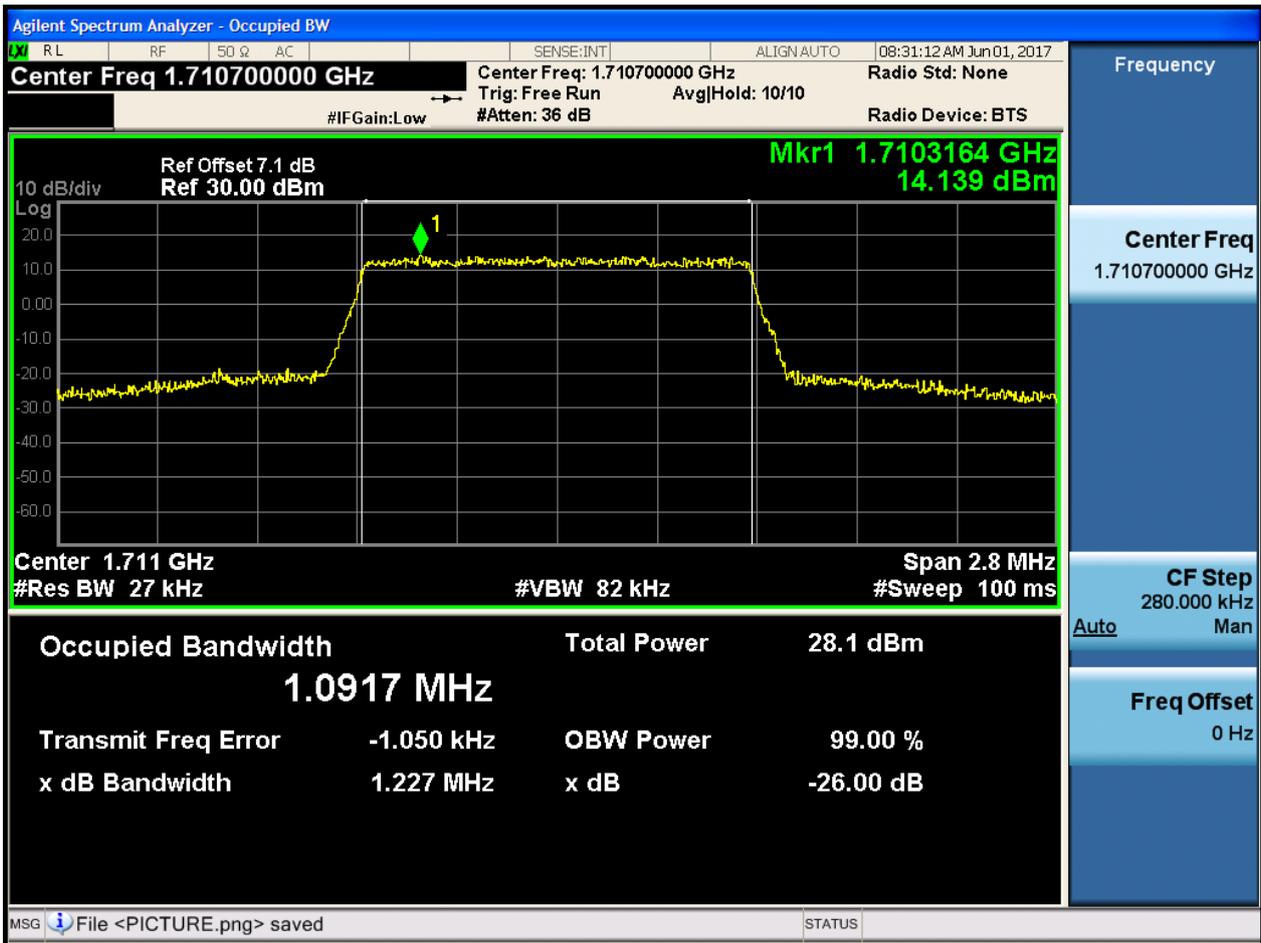### 4.1.1.1.3.1.1 Test RB = RB25#0
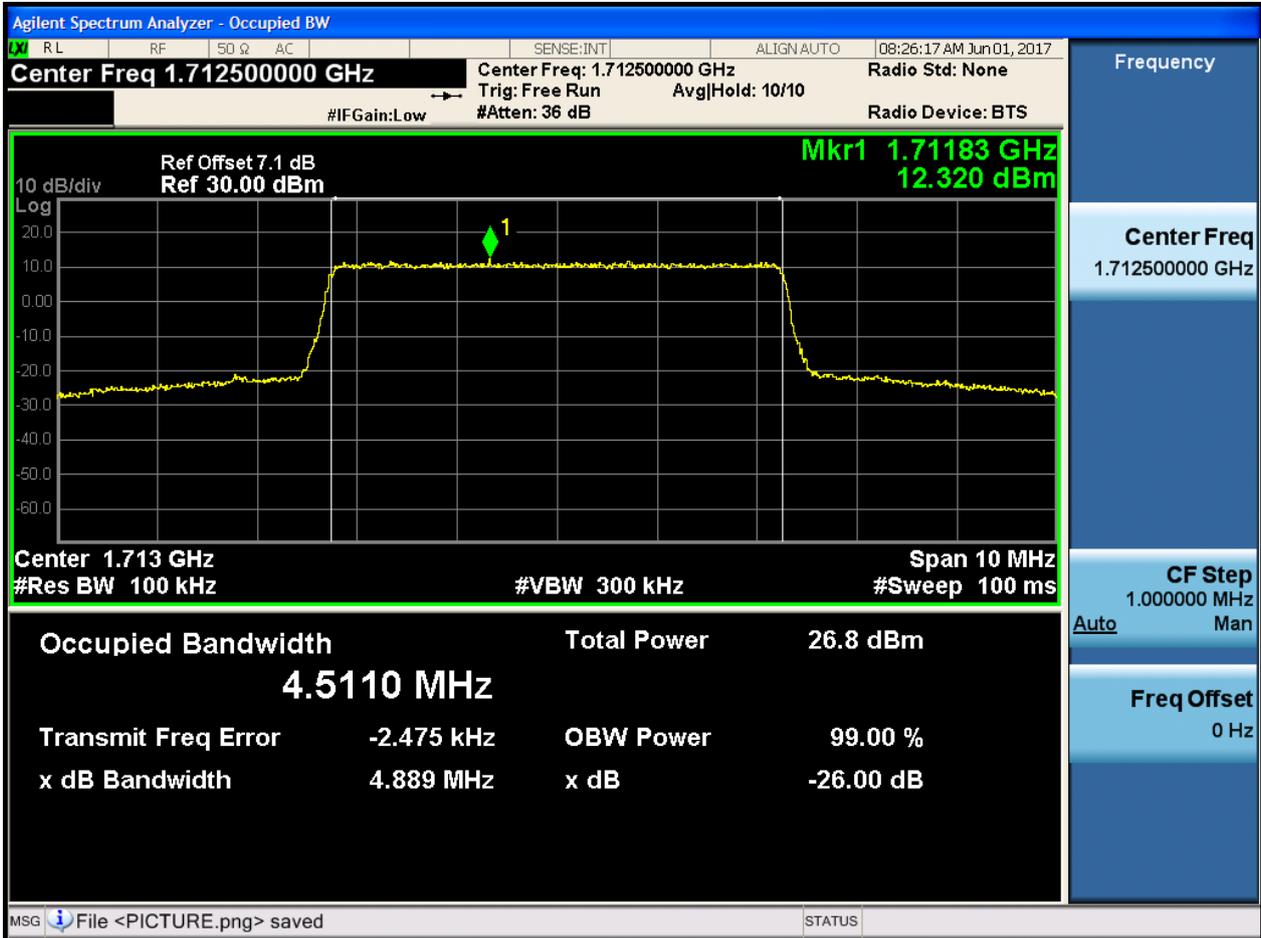
4.1.1.1.3.2 Test Channel = MCH

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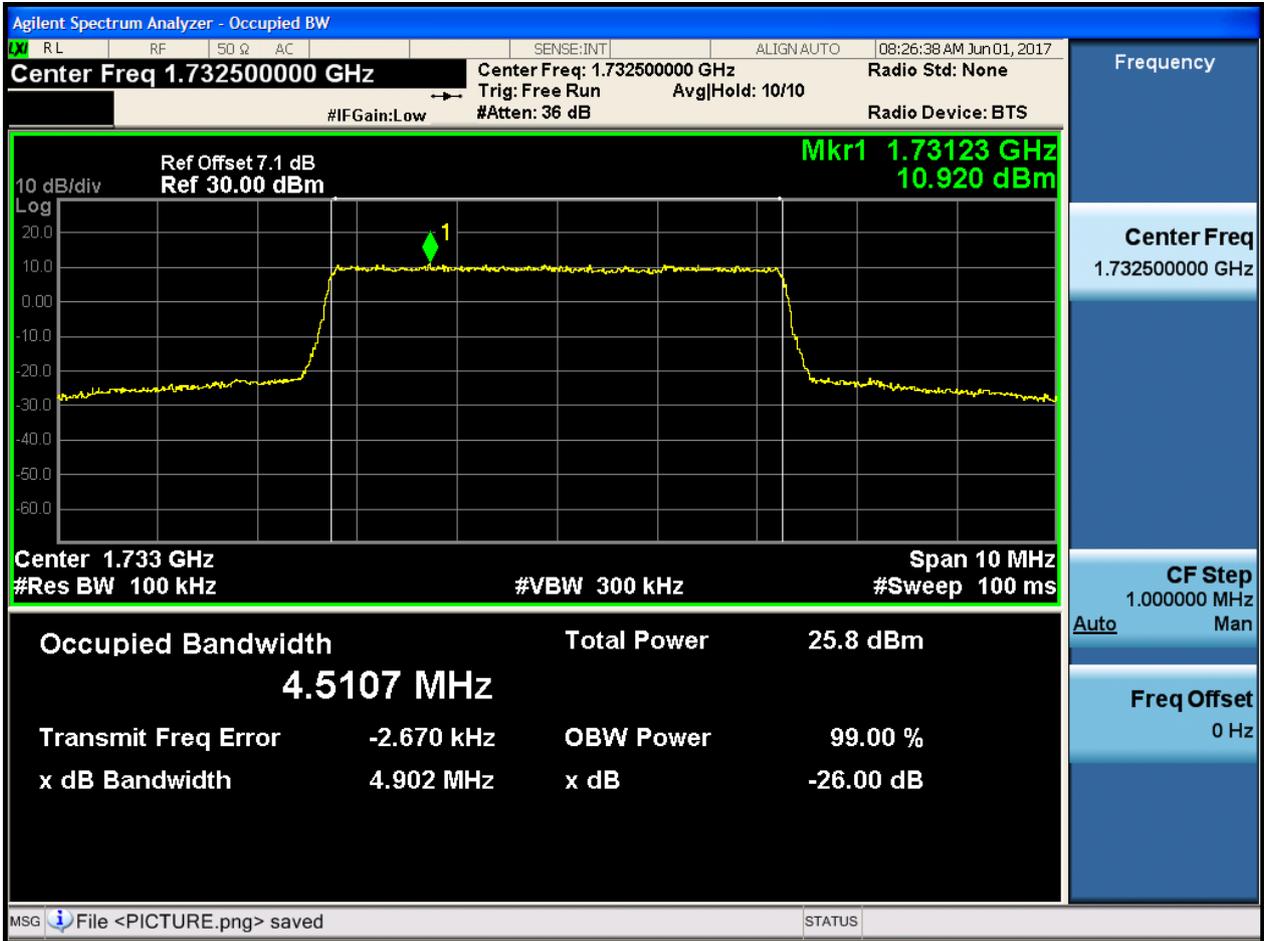
4.1.1.1.3.3 Test Channel = HCH

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
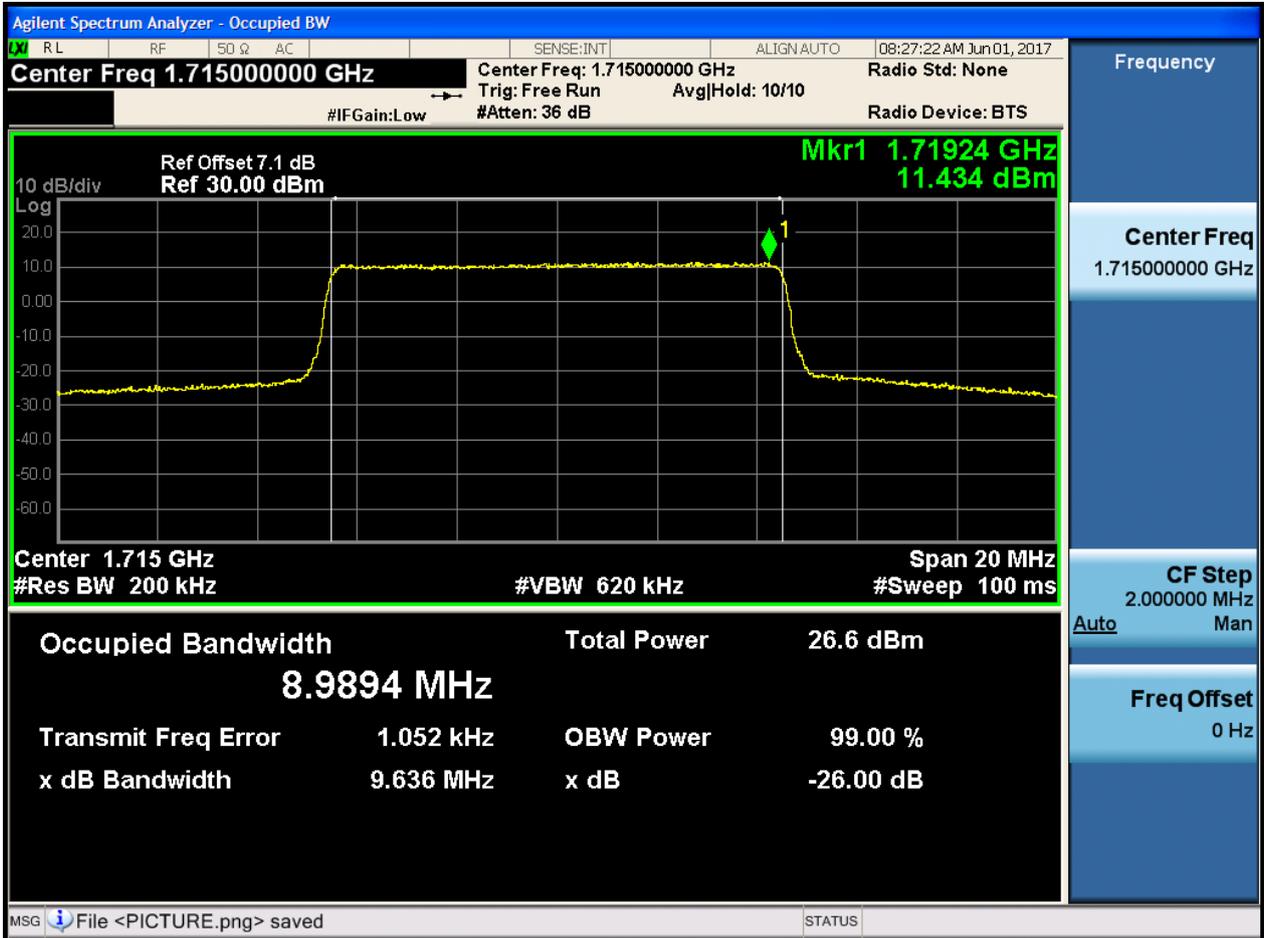
4.1.1.1.4.2 Test Channel = MCH

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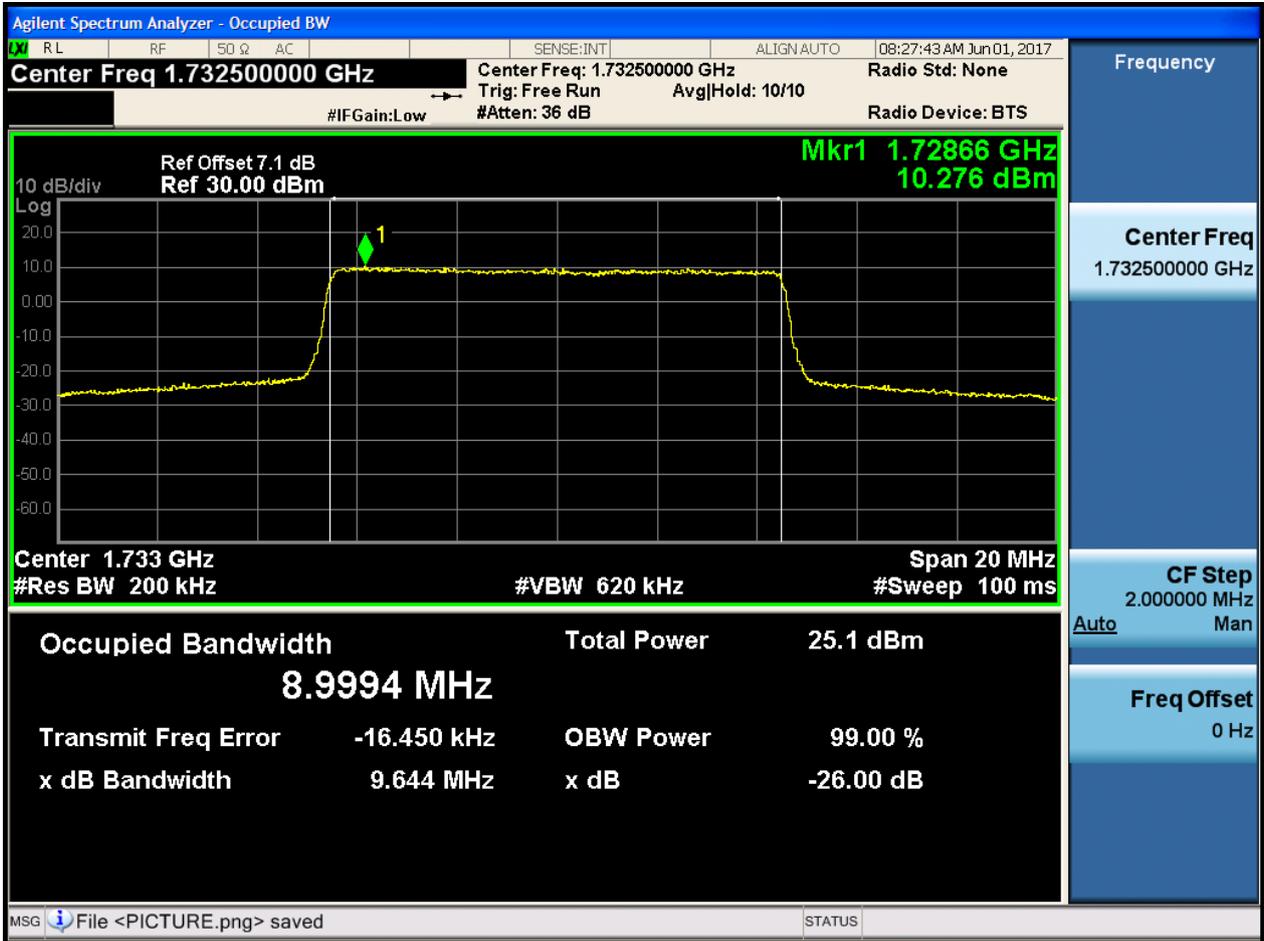
4.1.1.1.4.3 Test Channel = HCH

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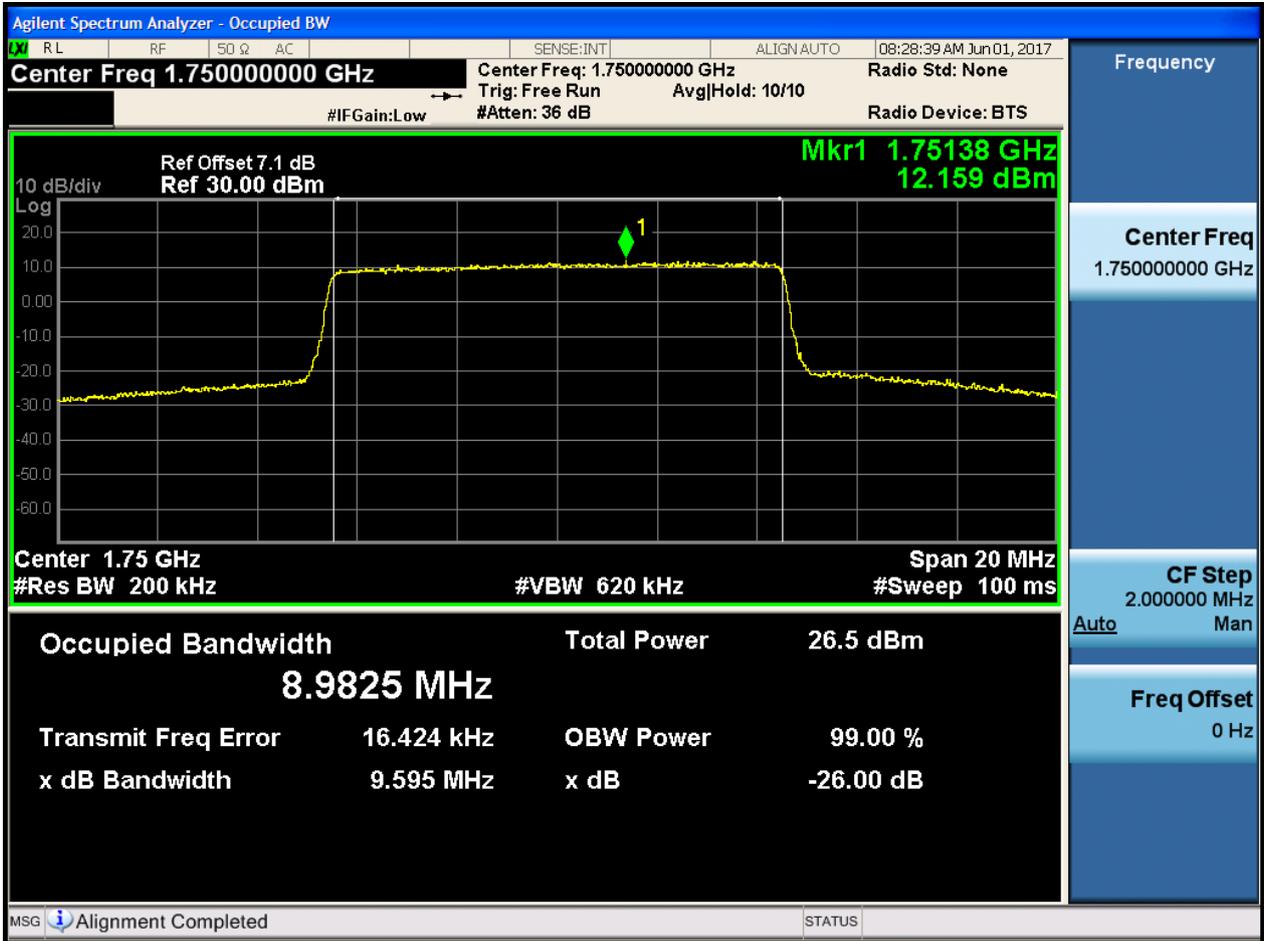
4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

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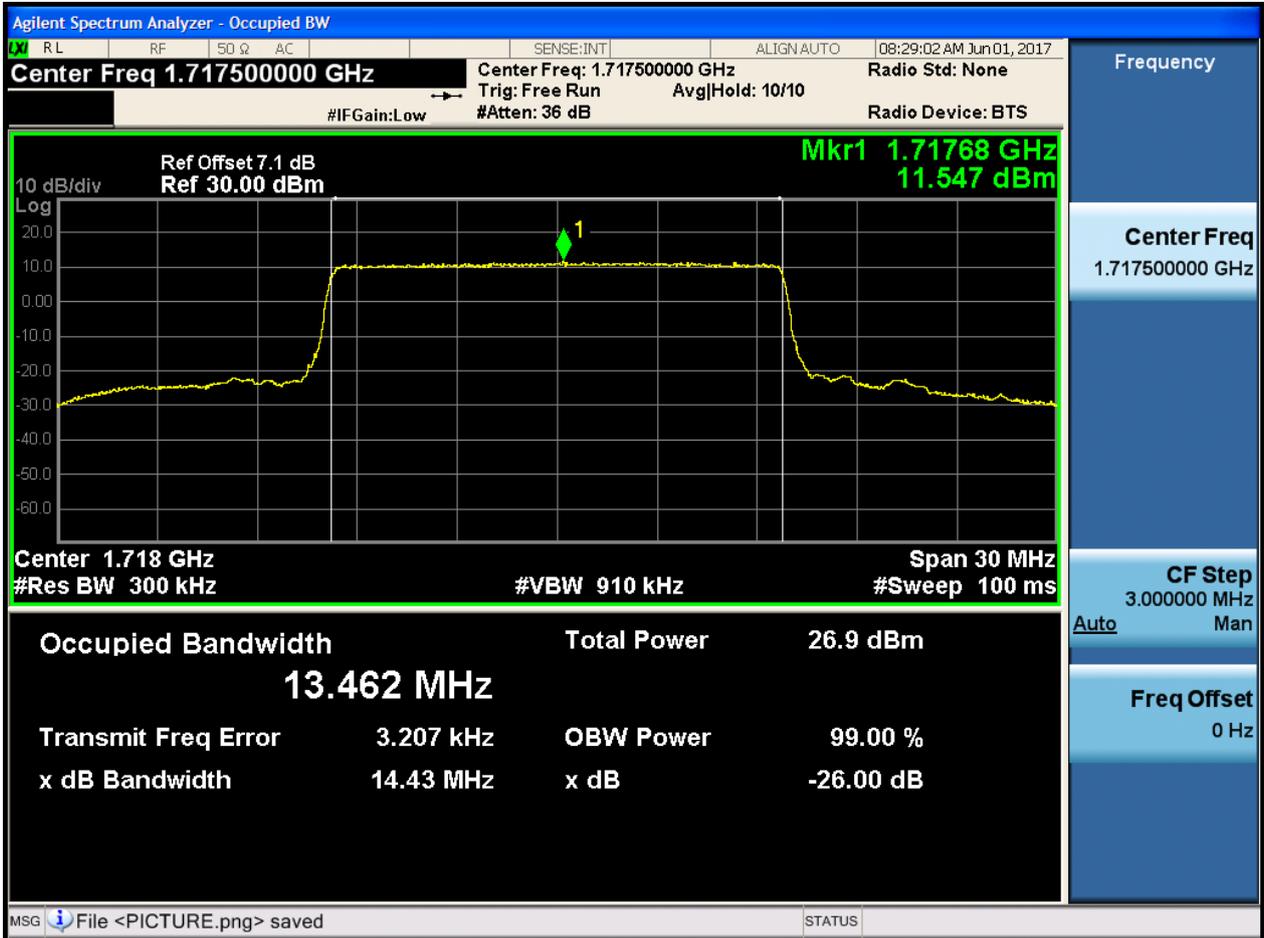
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732500000 GHz	Center Freq: 1.732500000 GHz
	Trig: Free Run Avg|Hold: 10/10
#IFGain:Low	#Atten: 36 dB

SENSE:INT   ALIGN AUTO   08:29:23 AM Jun 01, 2017
Radio Std: None
Radio Device: BTS

Mkr1 1.72737 GHz
10.742 dBm

Ref Offset 7.1 dB
10 dB/div   Ref 30.00 dBm
Log

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

Occupied Bandwidth		Total Power	25.2 dBm
13.529 MHz			
Transmit Freq Error	-19.051 kHz	OBW Power	99.00 %
x dB Bandwidth	14.42 MHz	x dB	-26.00 dB

MSG File <PICTURE.png> saved   STATUS

Frequency

Center Freq
1.732500000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

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
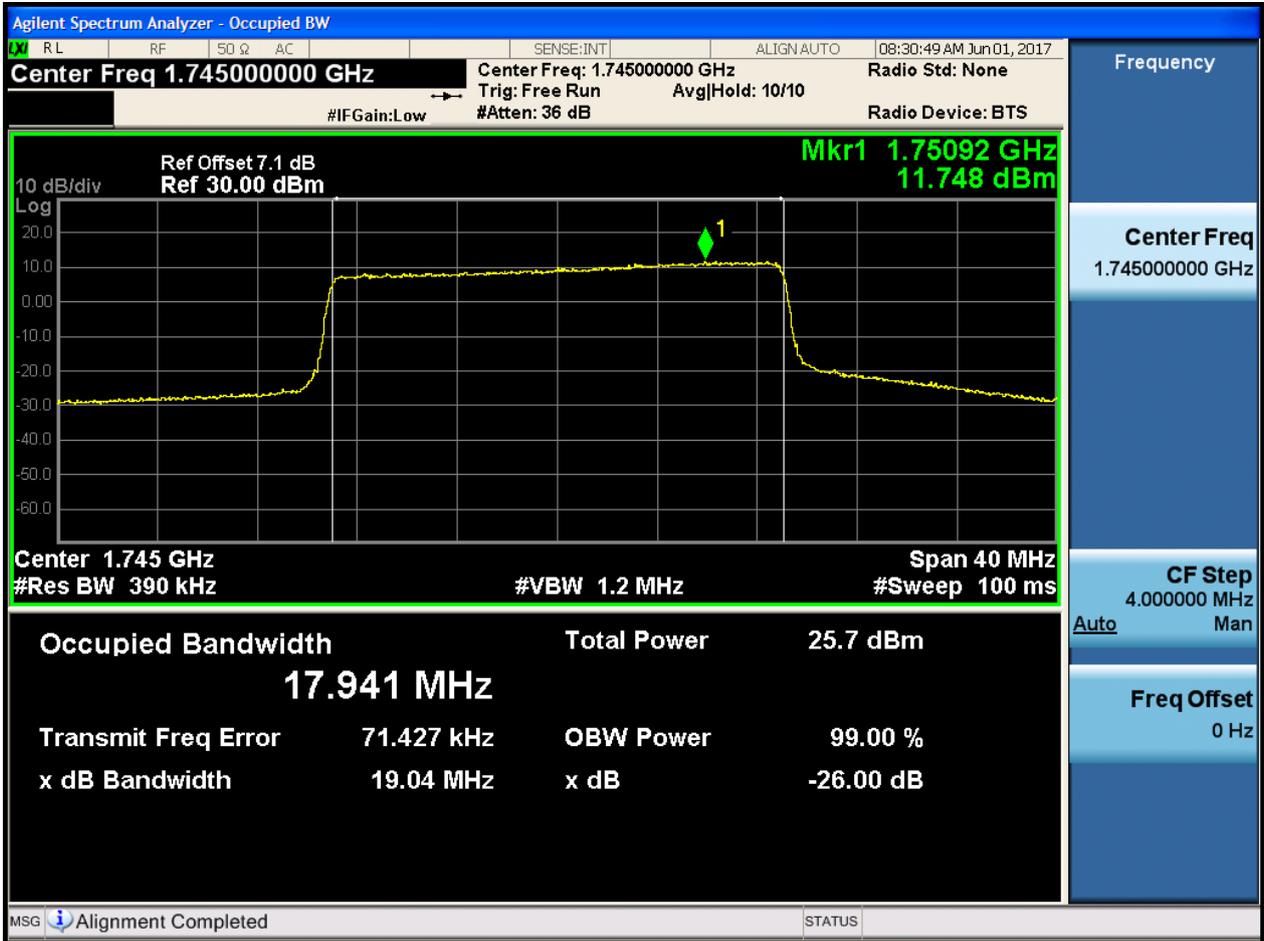
4.1.1.2 Test Mode = LTE/TM2

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
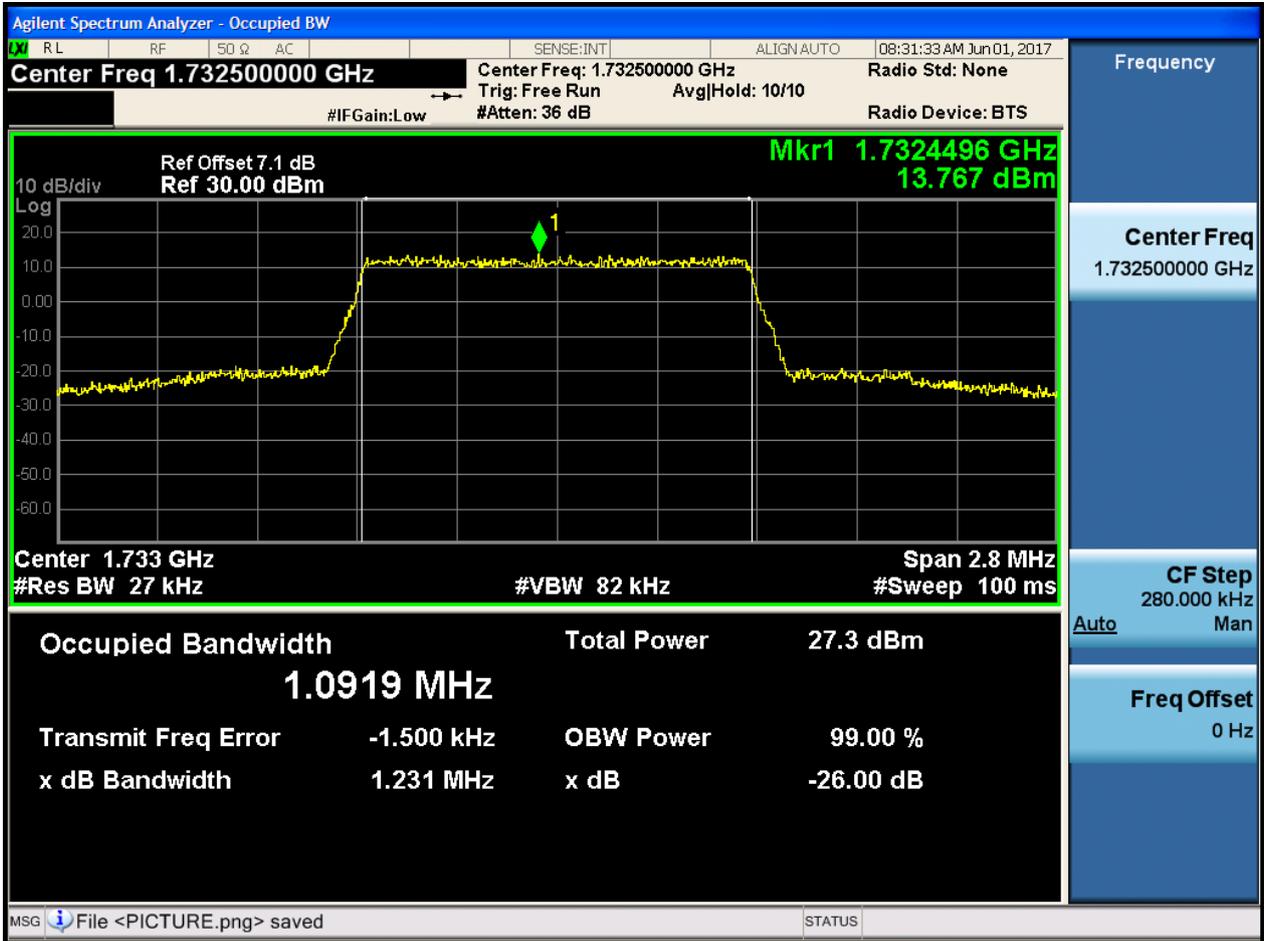
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

	Agilent Spectrum Analyzer - Occupied BW	
Center Freq 1.754300000 GHz	Center Freq: 1.754300000 GHz	Radio Std: None
	Trig: Free Run Avg|Hold: 10/10	Radio Device: BTS

Mkr1 1.753992 GHz
15.875 dBm

Ref Offset 7.1 dB
Ref 30.00 dBm

Center 1.754 GHz   Span 2.8 MHz
#Res BW 27 kHz   #VBW 82 kHz   #Sweep 100 ms

Occupied Bandwidth		Total Power	29.2 dBm
	1.0953 MHz		
Transmit Freq Error	-415 Hz	OBW Power	99.00 %
x dB Bandwidth	1.231 MHz	x dB	-26.00 dB

MSG ⓘ Alignment Completed   STATUS

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

Agilent Spectrum Analyzer - Occupied BW

LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   08:32:17 AM Jun 01, 2017

Center Freq 1.711500000 GHz   Center Freq: 1.711500000 GHz   Radio Std: None
                                     Trig: Free Run   Avg|Hold: 10/10
                   #IFGain:Low   #Atten: 36 dB   Radio Device: BTS

Ref Offset 7.1 dB   Mkr1 1.712688 GHz
10 dB/div   Ref 30.00 dBm   12.584 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 1.712 GHz   Span 6 MHz
#Res BW 62 kHz   #VBW 180 kHz   #Sweep 100 ms

Occupied Bandwidth		Total Power	27.0 dBm
2.7057 MHz			
Transmit Freq Error	-286 Hz	OBW Power	99.00 %
x dB Bandwidth	2.955 MHz	x dB	-26.00 dB

MSG i File <PICTURE.png> saved   STATUS

Frequency

Center Freq
1.711500000 GHz

CF Step
600.000 kHz
Auto   Man

Freq Offset
0 Hz

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
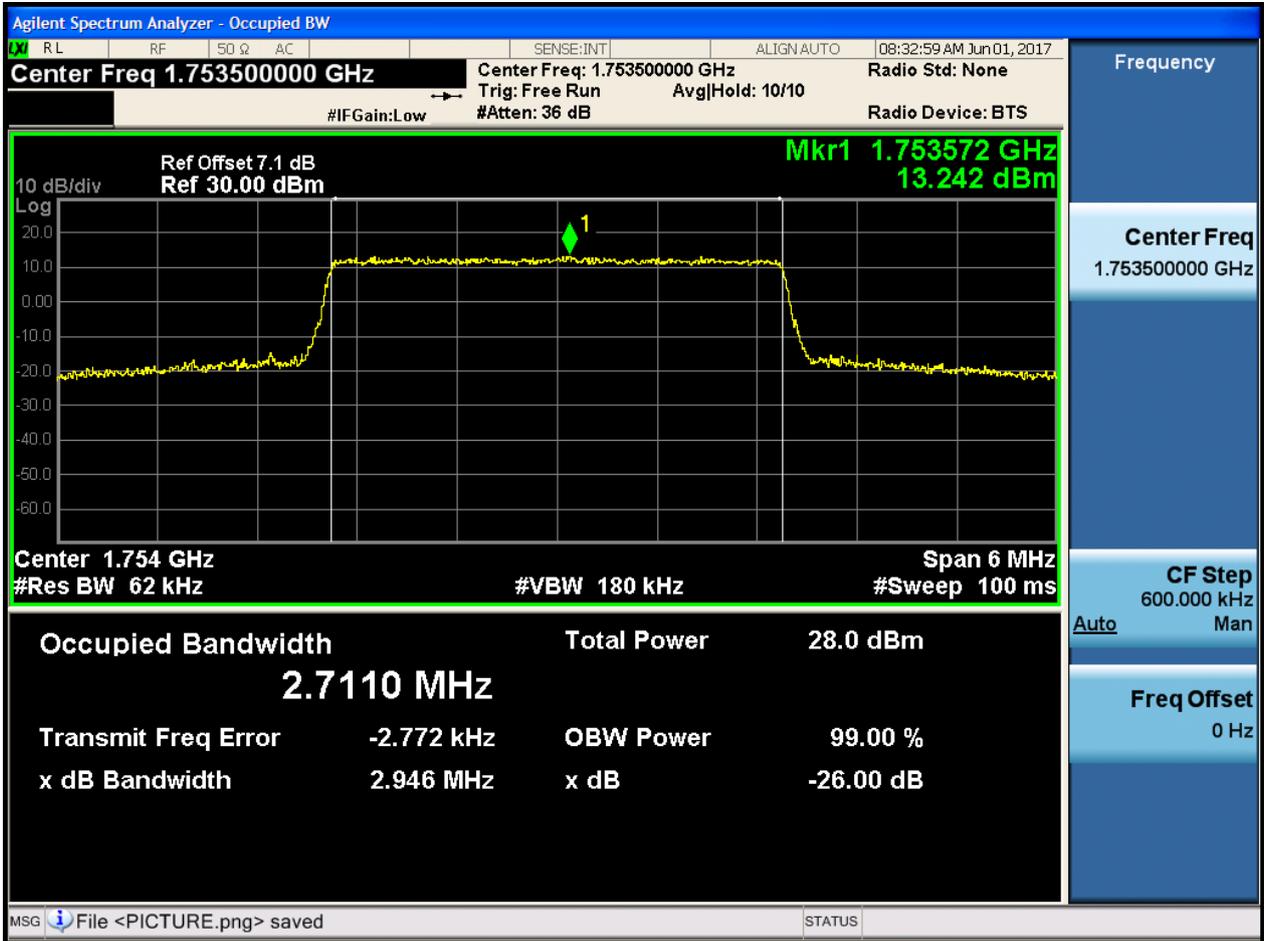
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

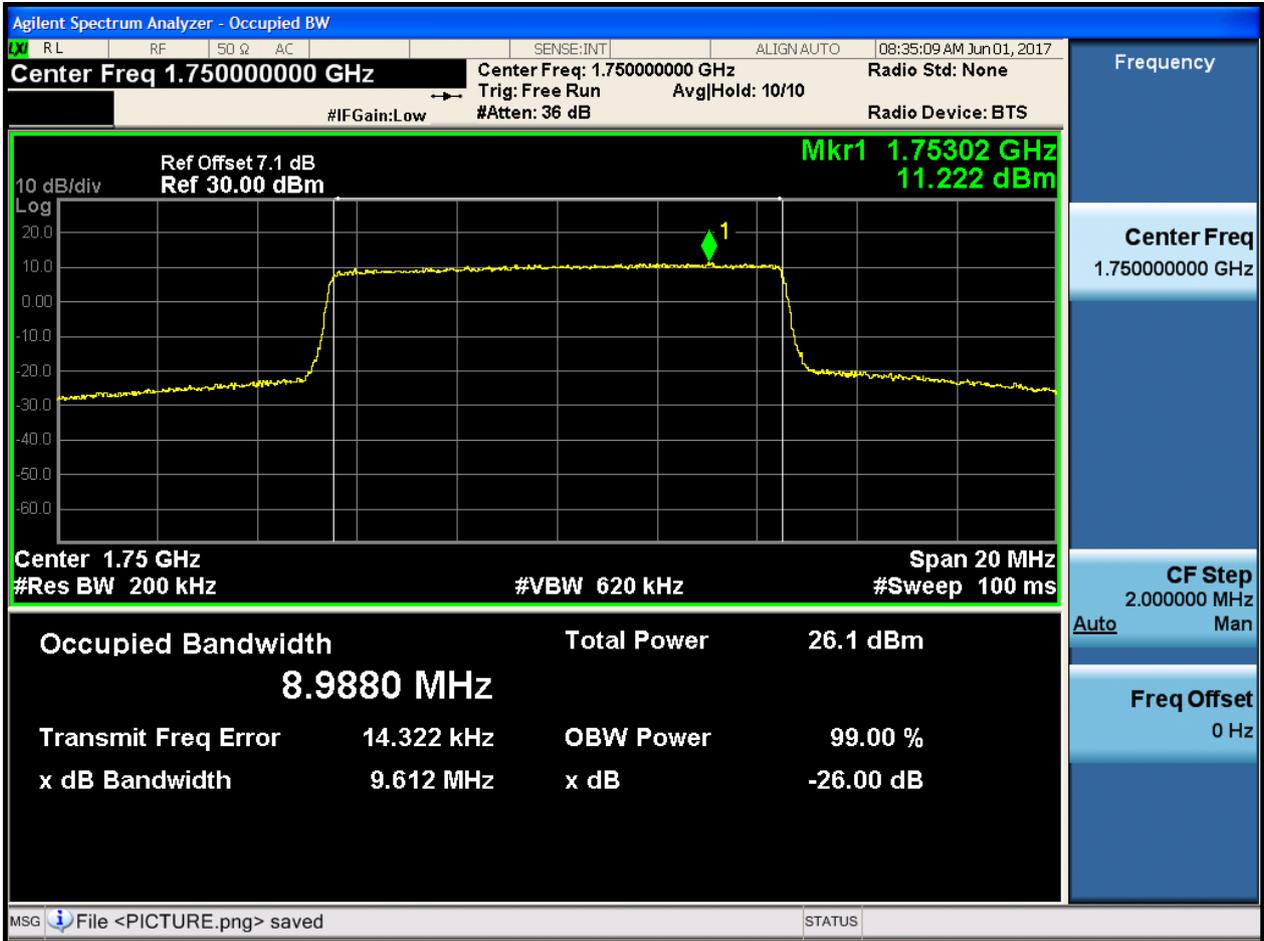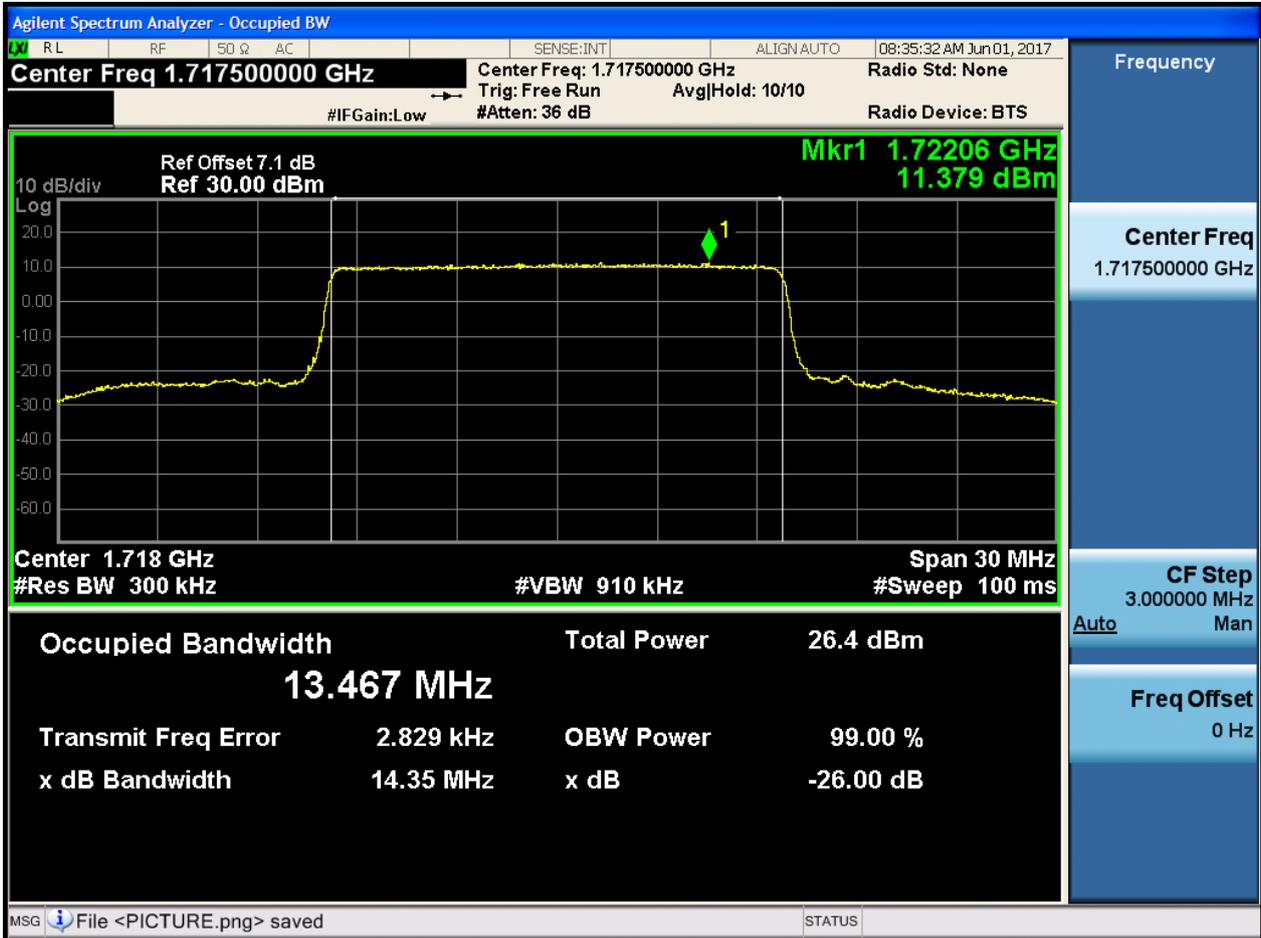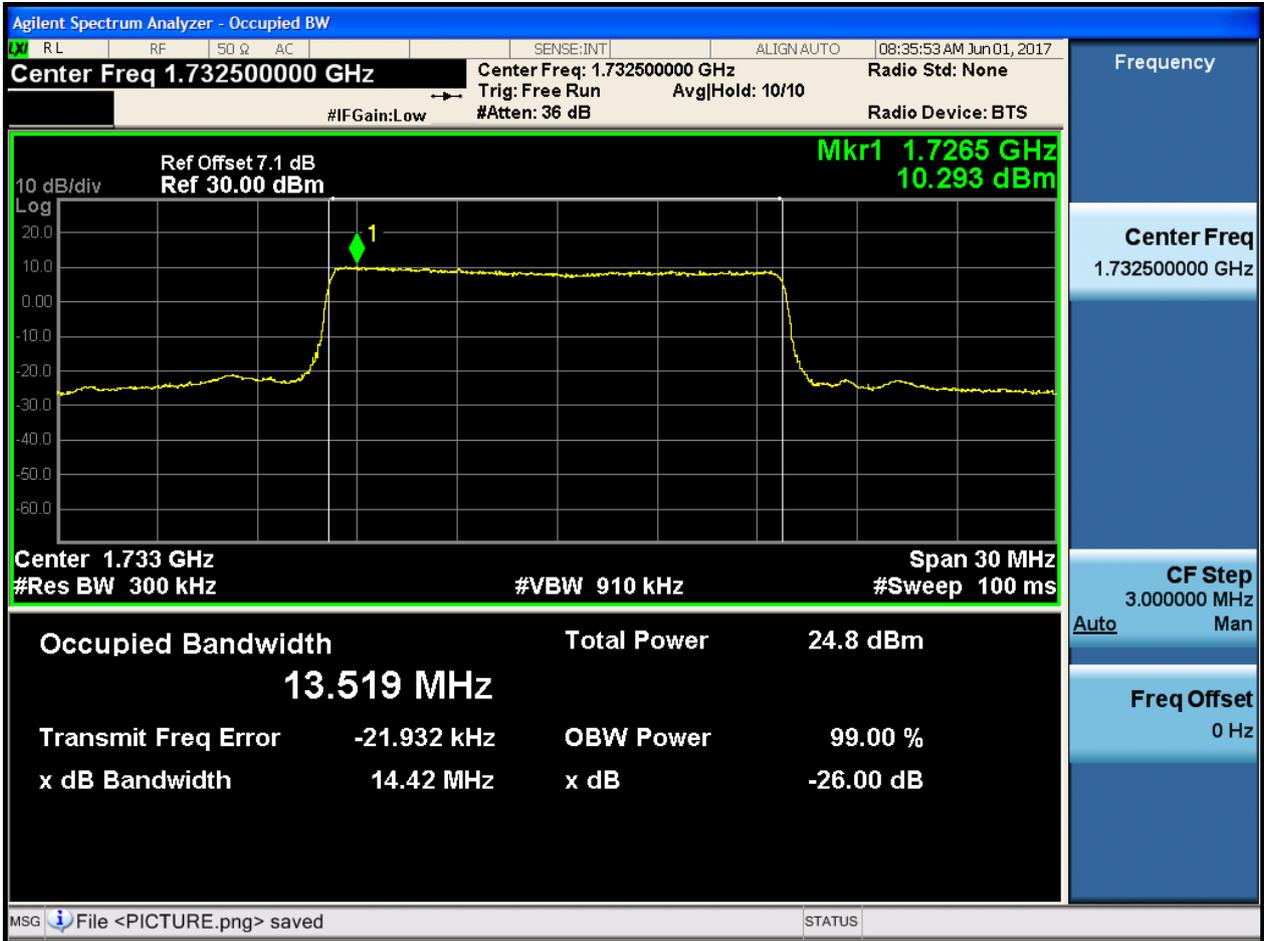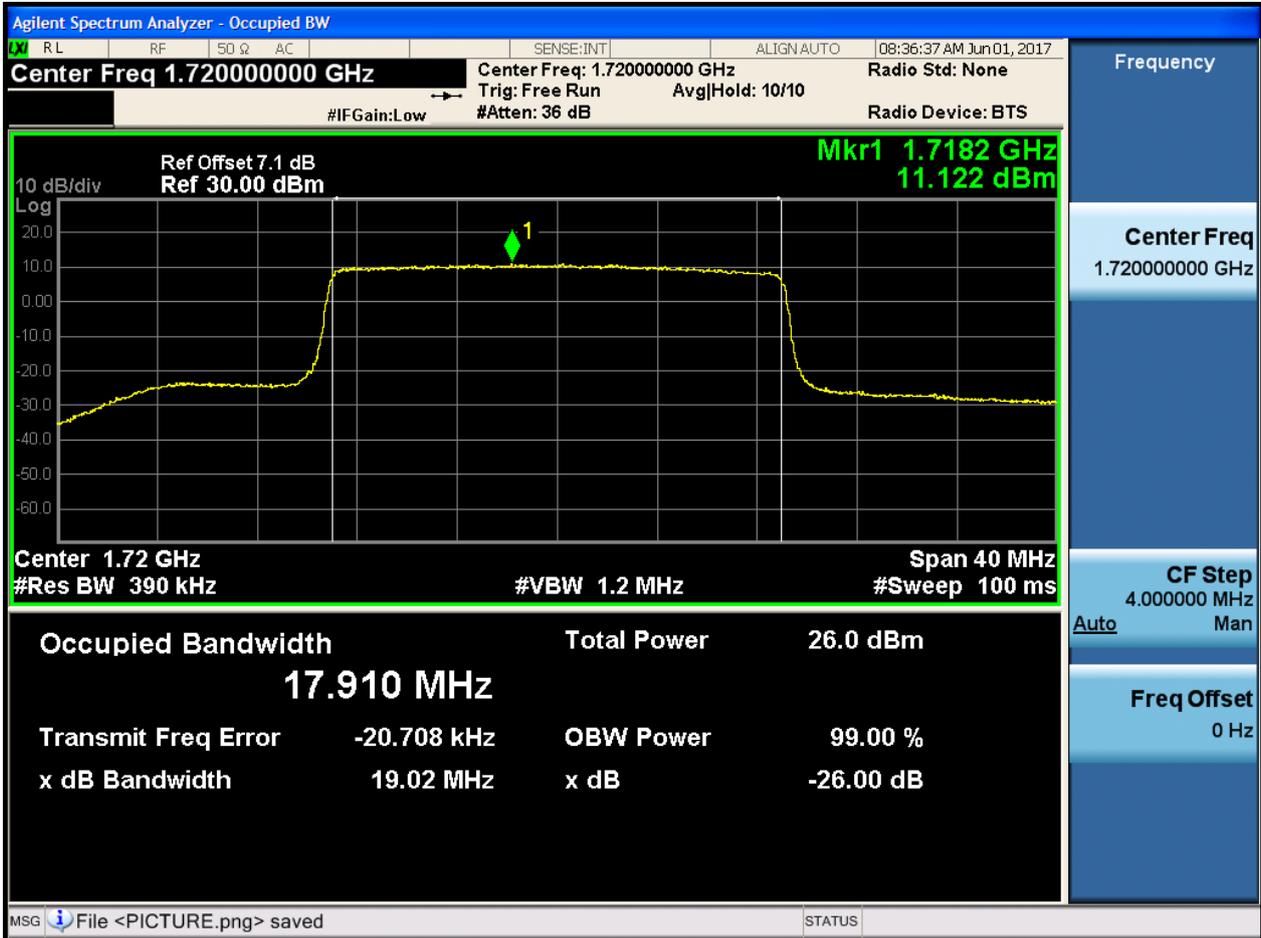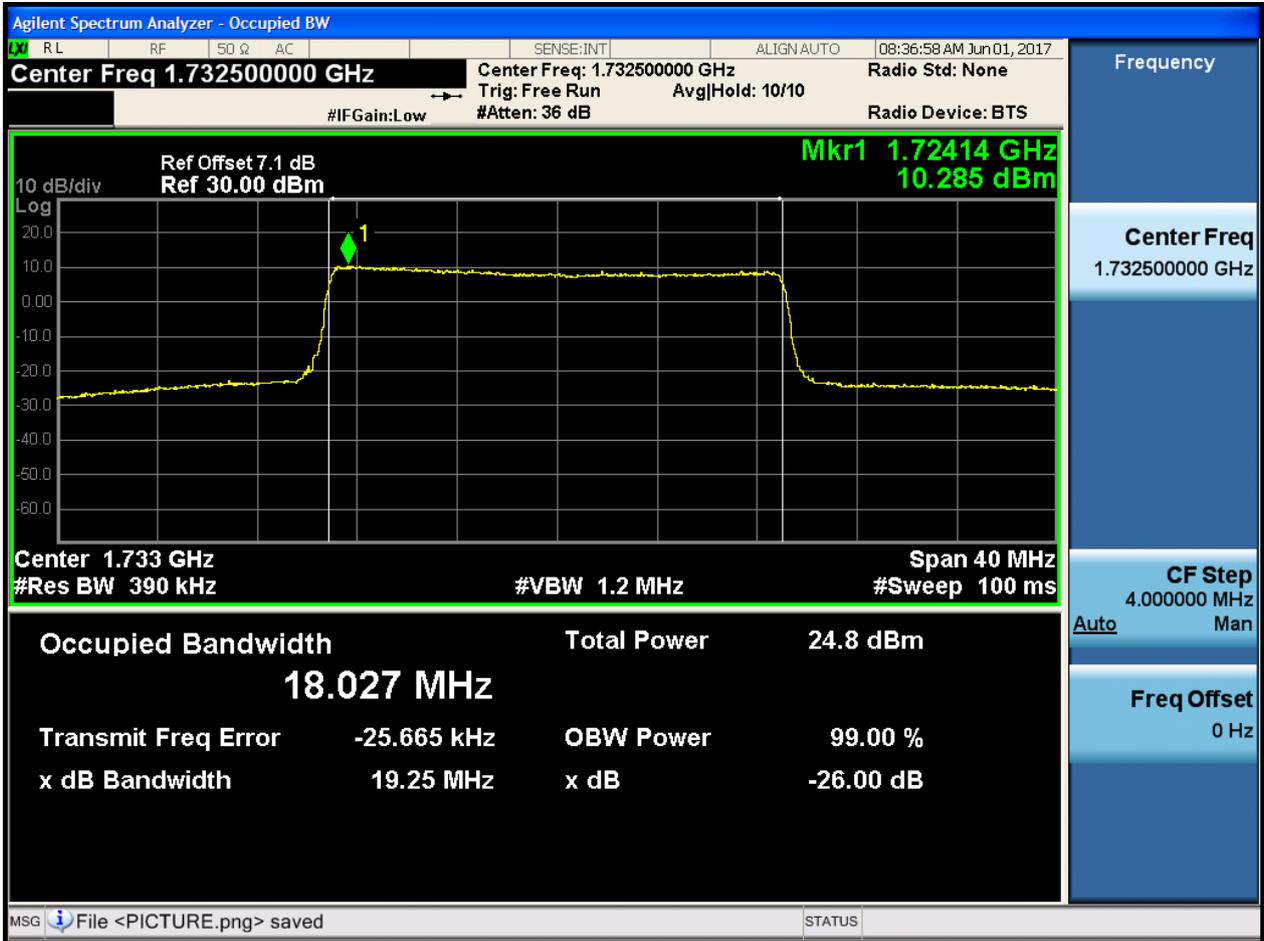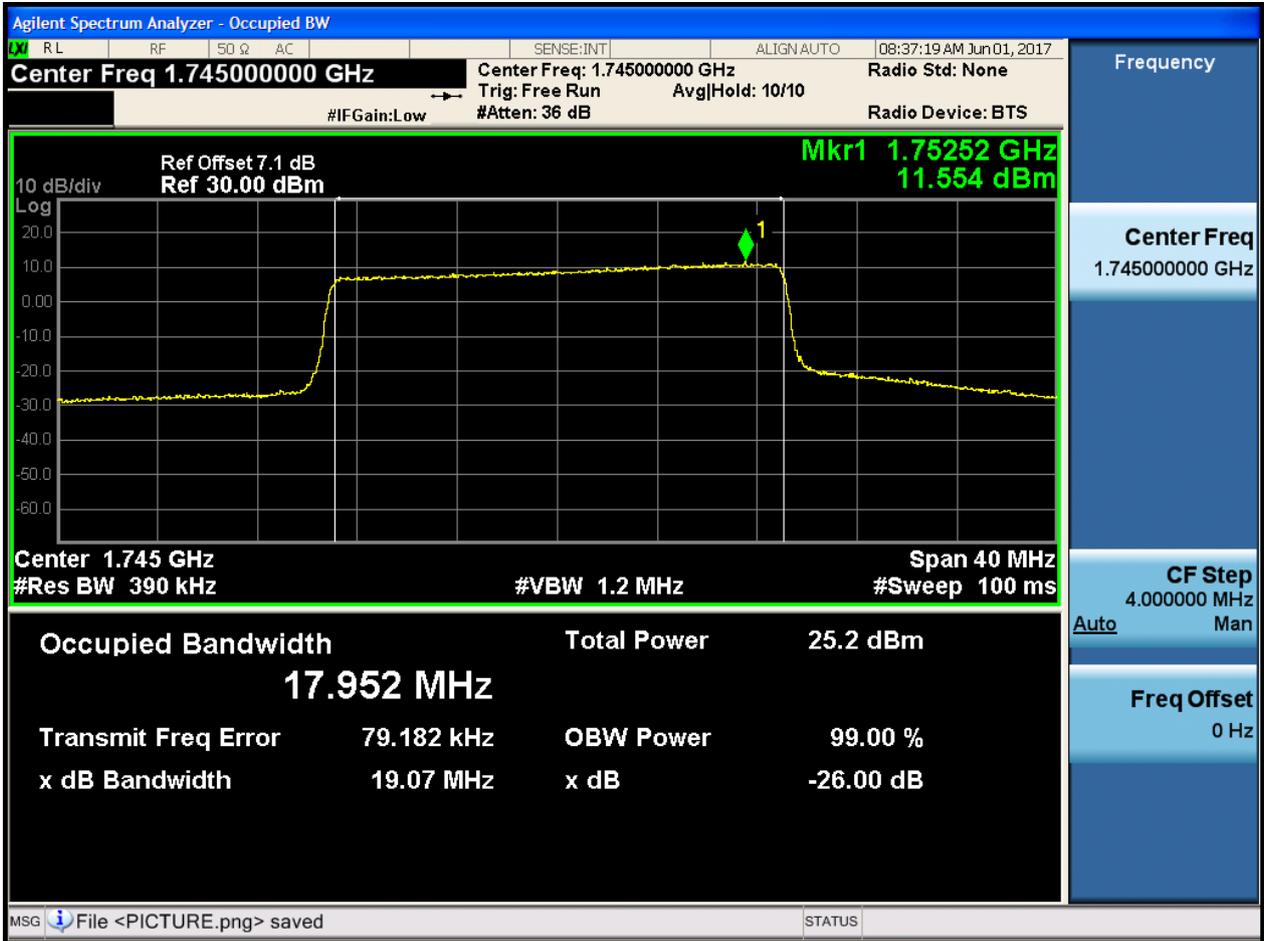### 4.1.1.2.3.1.1 Test RB = RB25#0
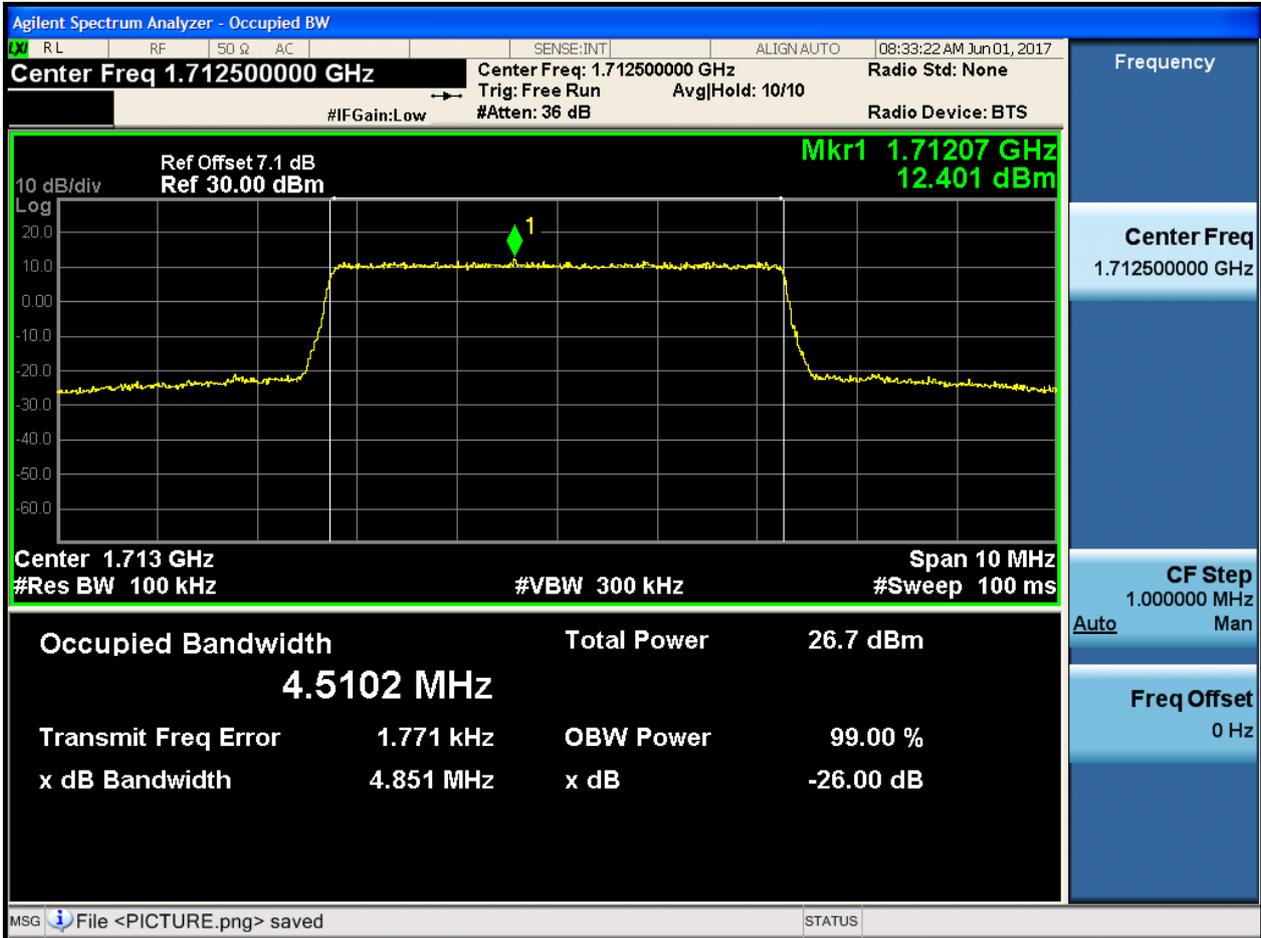
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

Agilent Spectrum Analyzer - Occupied BW

LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   08:33:43 AM Jun 01, 2017

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.73086 GHz
10.488 dBm

10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 1.733 GHz   Span 10 MHz
#Res BW 100 kHz   #VBW 300 kHz   #Sweep 100 ms

Occupied Bandwidth   Total Power   25.6 dBm
4.5087 MHz

Transmit Freq Error   -7.901 kHz   OBW Power   99.00 %
x dB Bandwidth   4.901 MHz   x dB   -26.00 dB

MSG Alignment Completed   STATUS

Frequency

Center Freq
1.732500000 GHz

CF Step
1.000000 MHz
Auto   Man

Freq Offset
0 Hz

4.1.1.2.3.3 Test Channel = HCH

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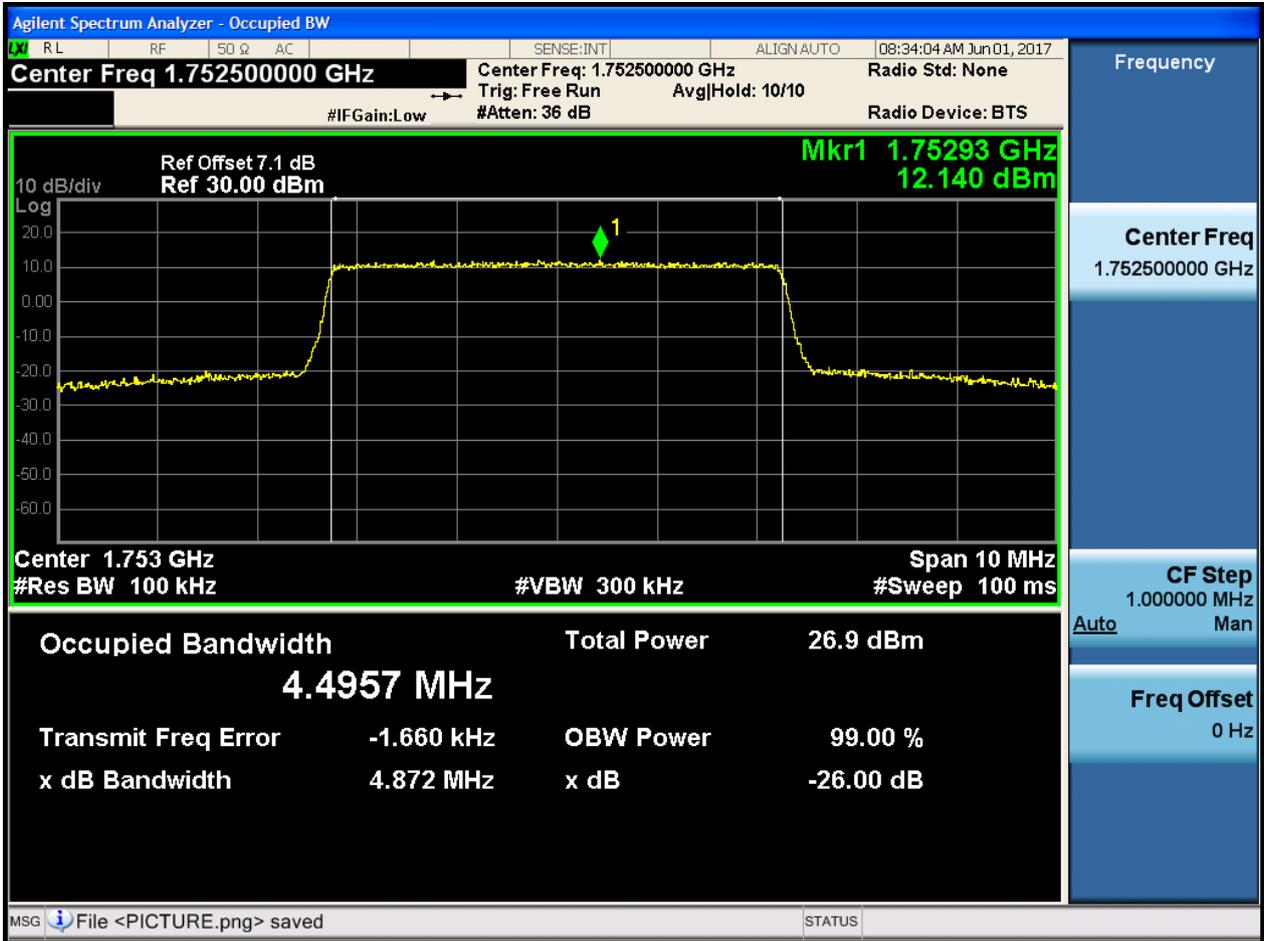
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

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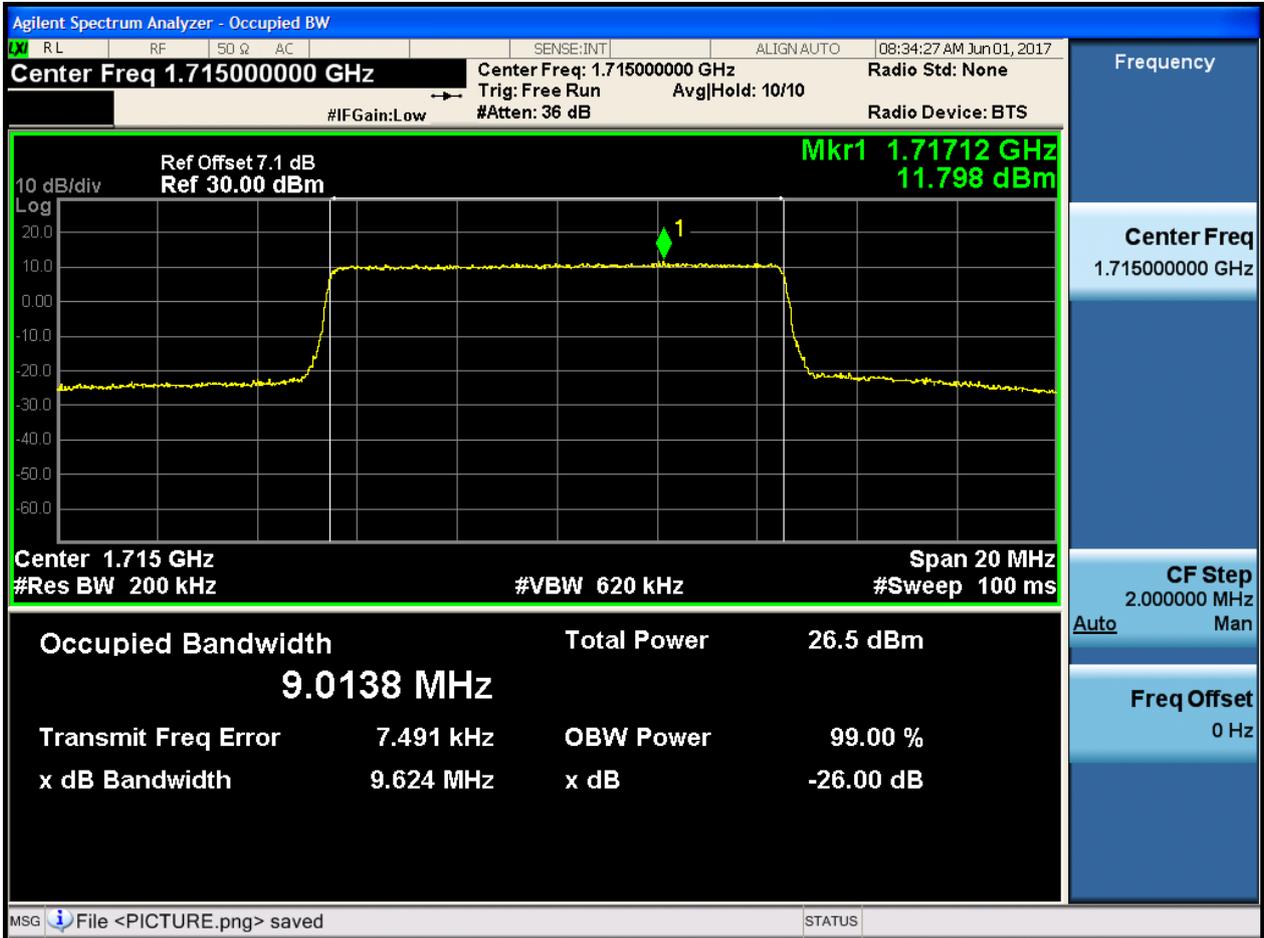
4.1.1.2.4.2 Test Channel = MCH

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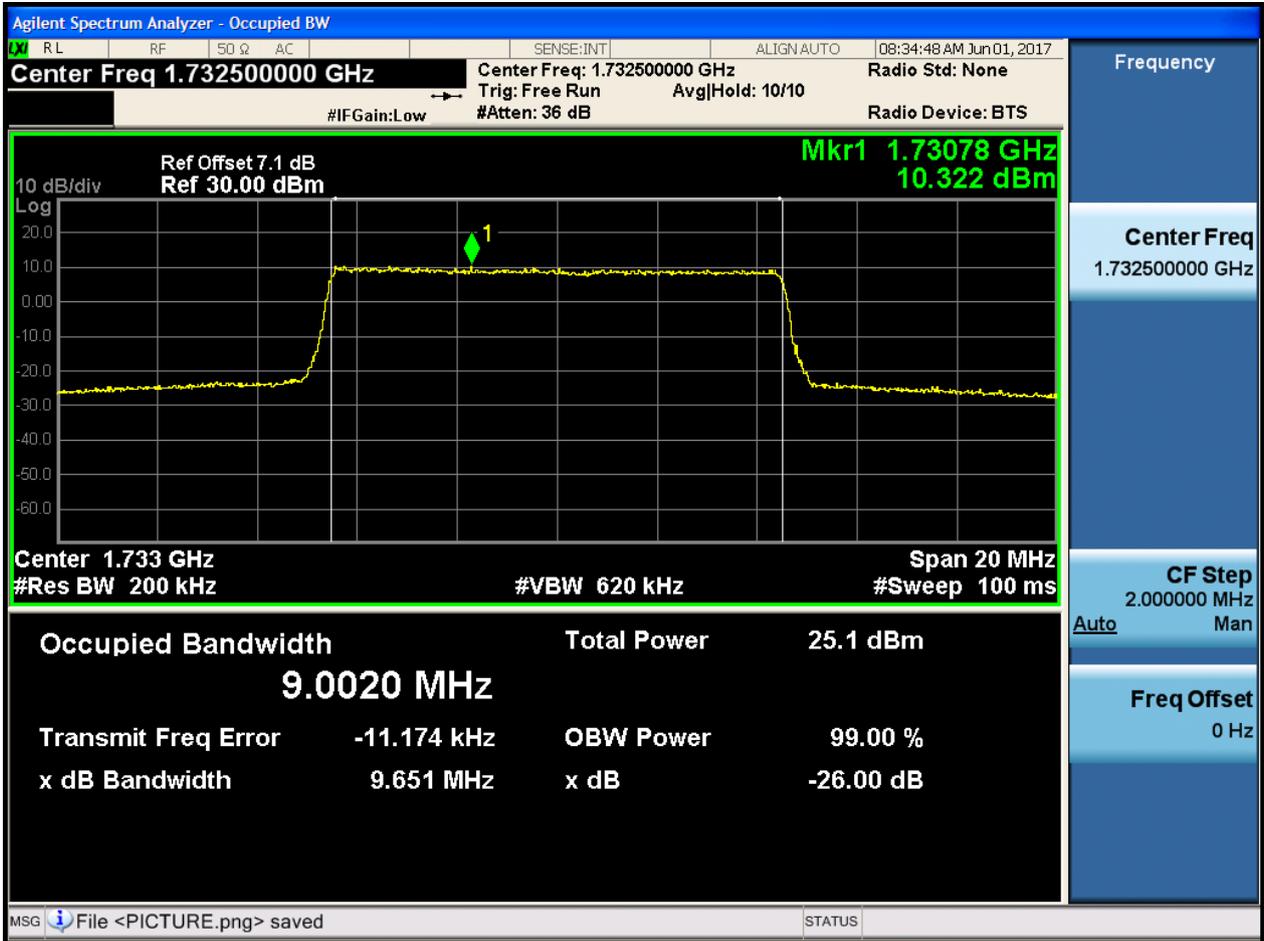
4.1.1.2.4.3 Test Channel = HCH

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

Agilent Spectrum Analyzer - Occupied BW

LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   08:35:32 AM Jun 01, 2017

Center Freq 1.717500000 GHz   Center Freq: 1.717500000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 36 dB   Radio Device: BTS

Ref Offset 7.1 dB
10 dB/div   **Ref 30.00 dBm**
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Mkr1 1.72206 GHz
11.379 dBm

Center 1.718 GHz   Span 30 MHz
#Res BW 300 kHz   #VBW 910 kHz   #Sweep 100 ms

Occupied Bandwidth	Total Power	26.4 dBm
13.467 MHz		
Transmit Freq Error 2.829 kHz	OBW Power	99.00 %
x dB Bandwidth 14.35 MHz	x dB	-26.00 dB

MSG (i) File <PICTURE.png> saved   STATUS

Frequency

Center Freq
1.717500000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

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
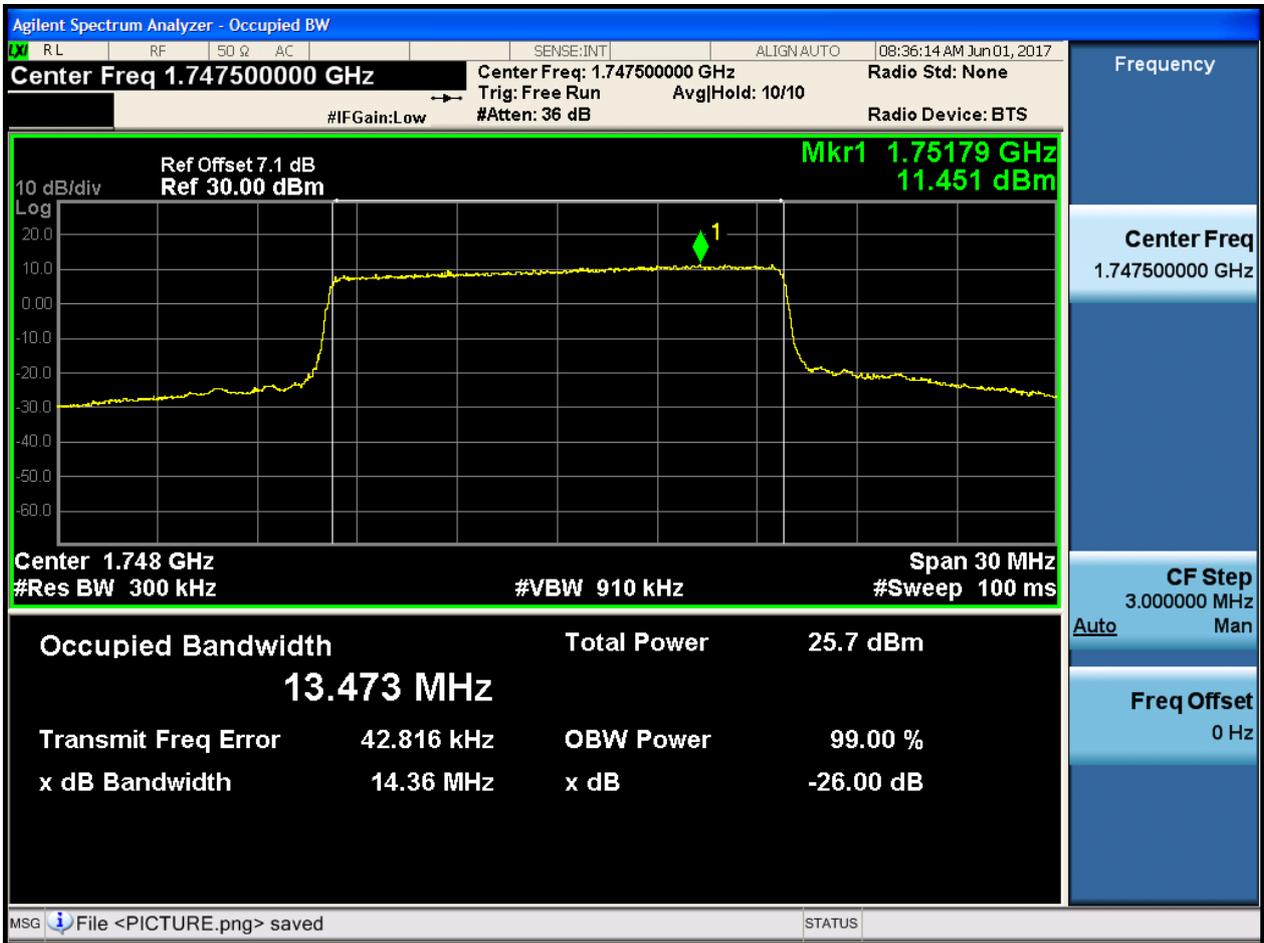
4.1.1.2.6 Test Bandwidth = 20

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

Occupied Bandwidth

18.027 MHz

Total Power		24.8 dBm	
Transmit Freq Error	-25.665 kHz	OBW Power	99.00 %
x dB Bandwidth	19.25 MHz	x dB	-26.00 dB

4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0

5 Appendix_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

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.
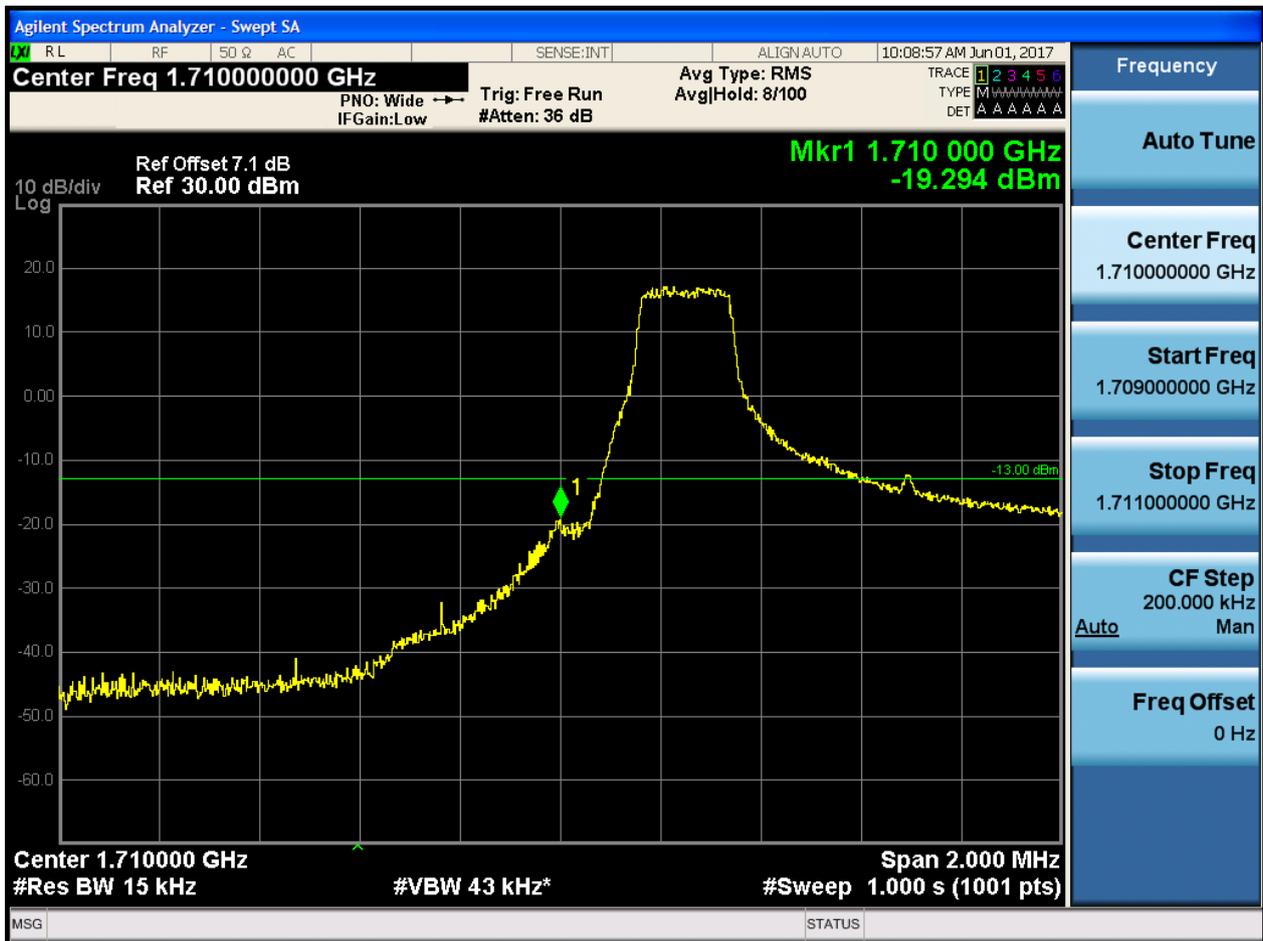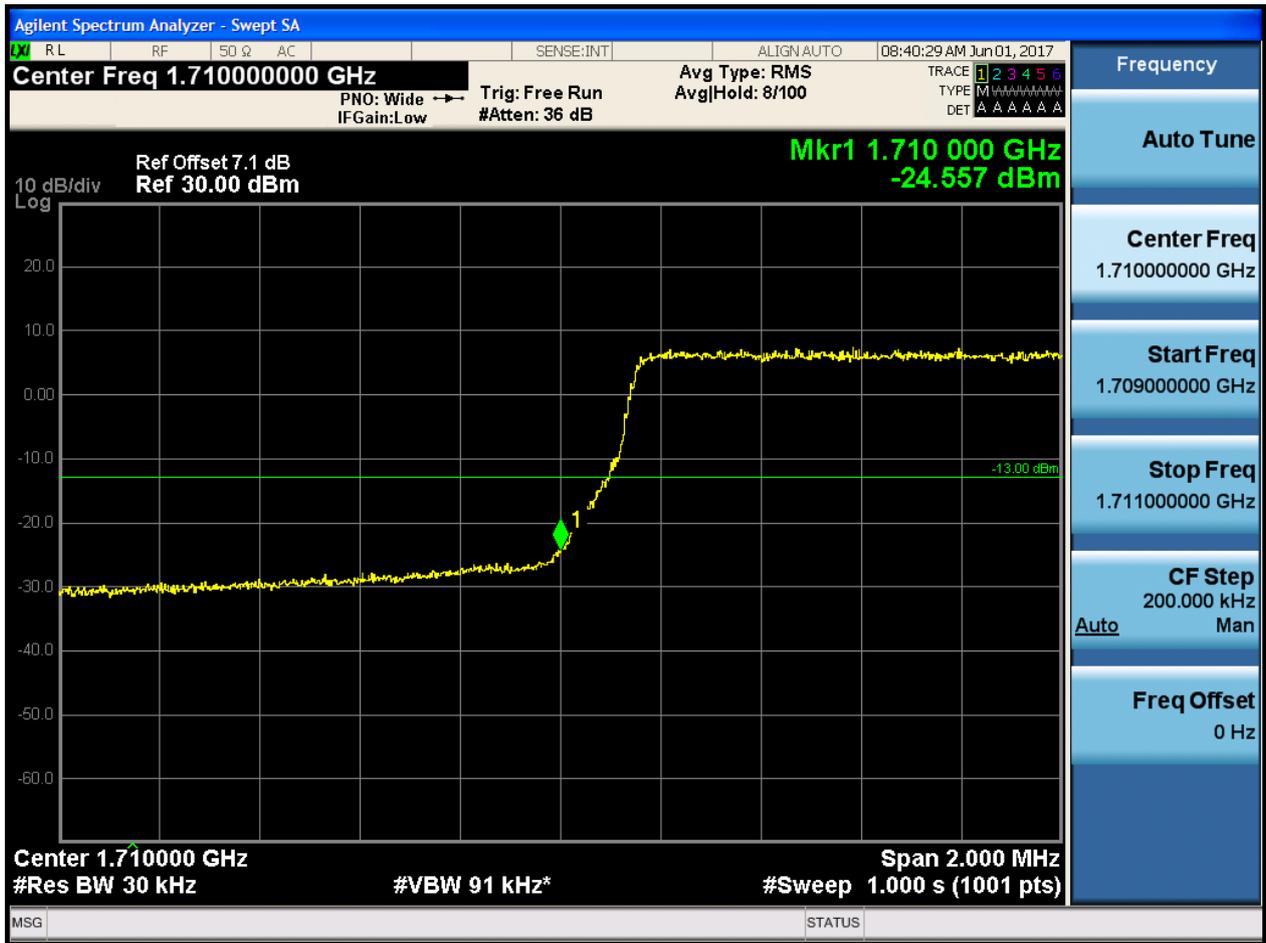
5.1.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.1.3 Test RB = RB3#2
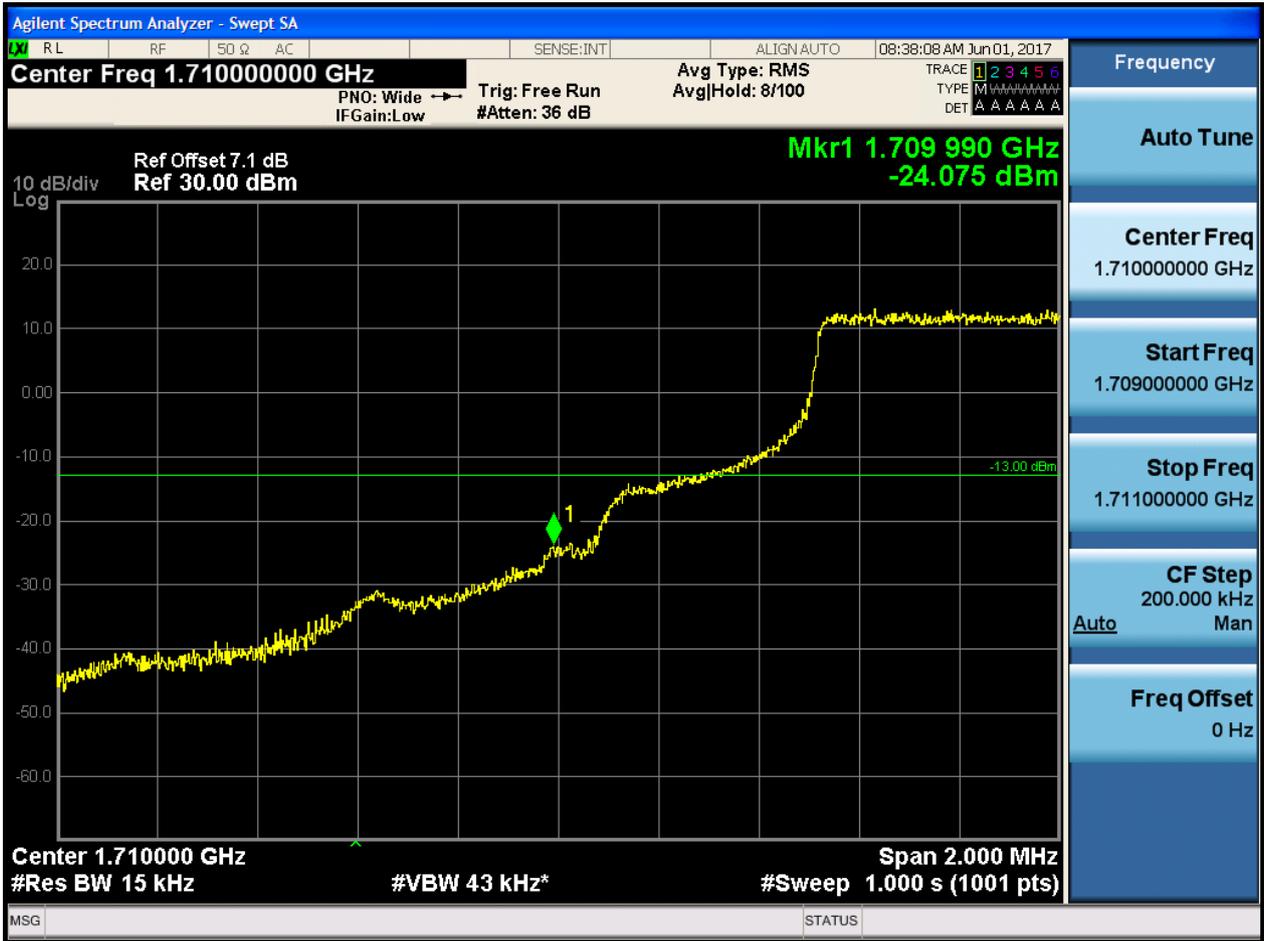
5.1.1.1.1.1.4 Test RB = RB6#0
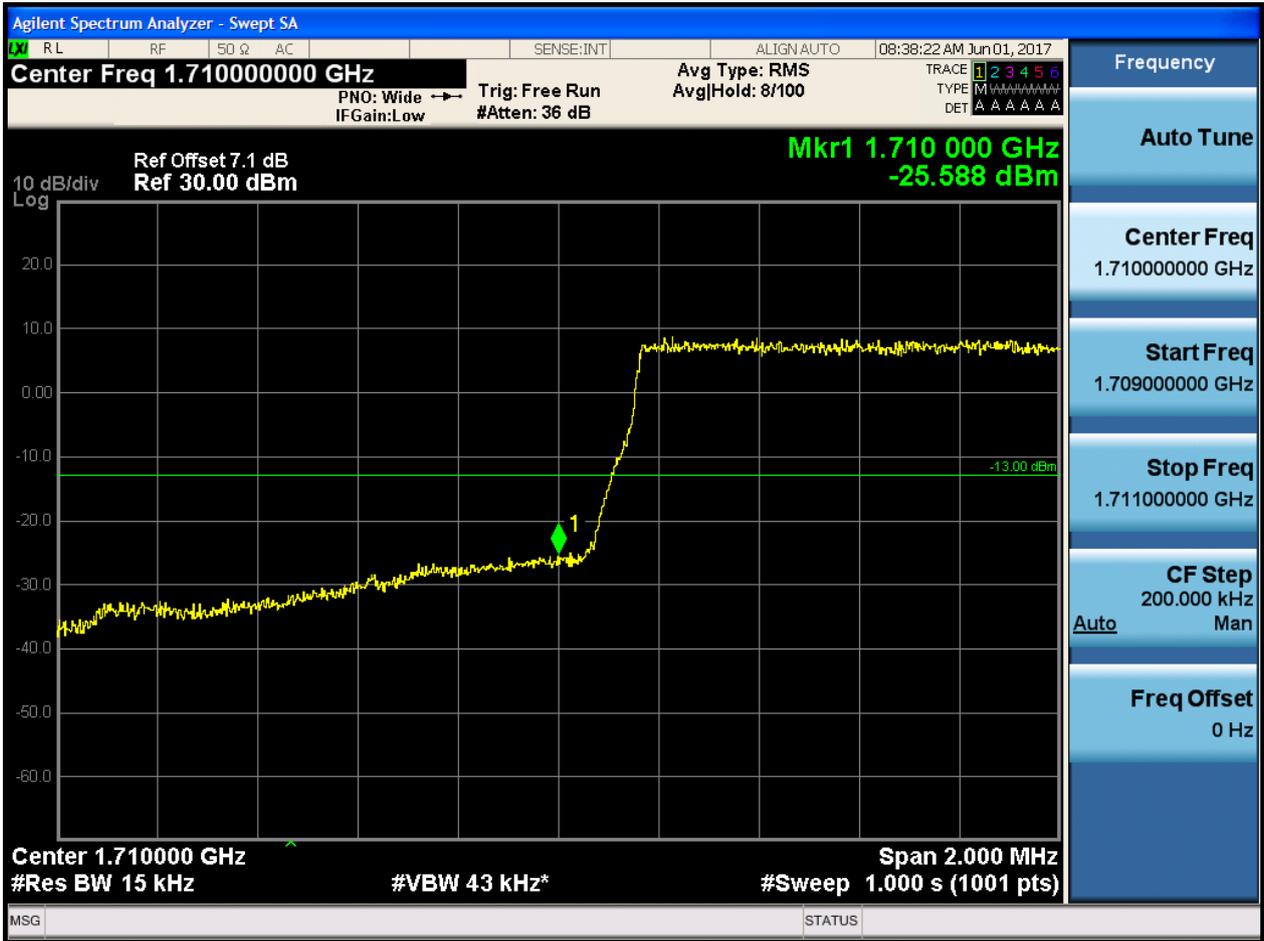
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 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
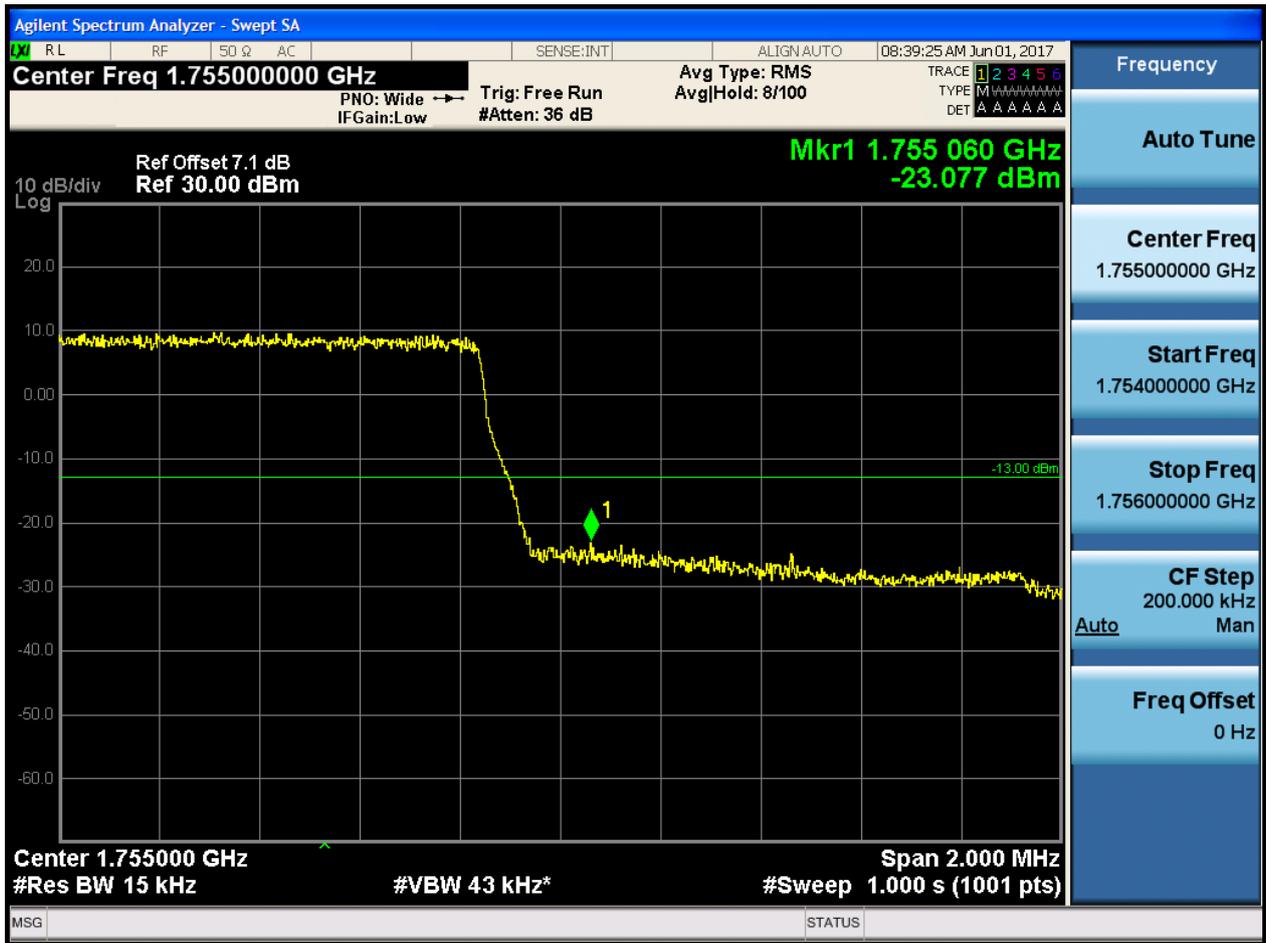
5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0
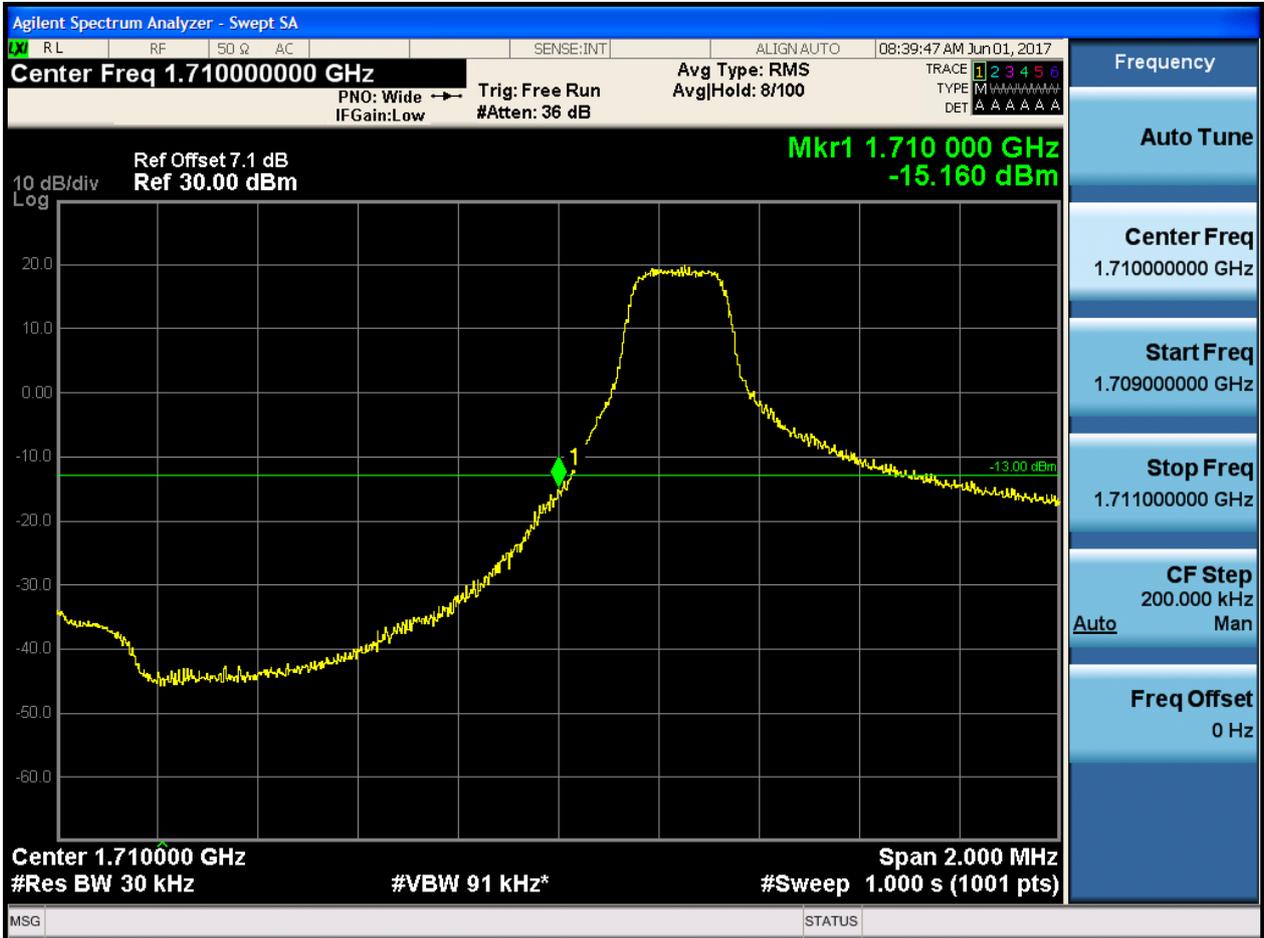
5.1.1.1.2.1.2 Test RB = RB1#14
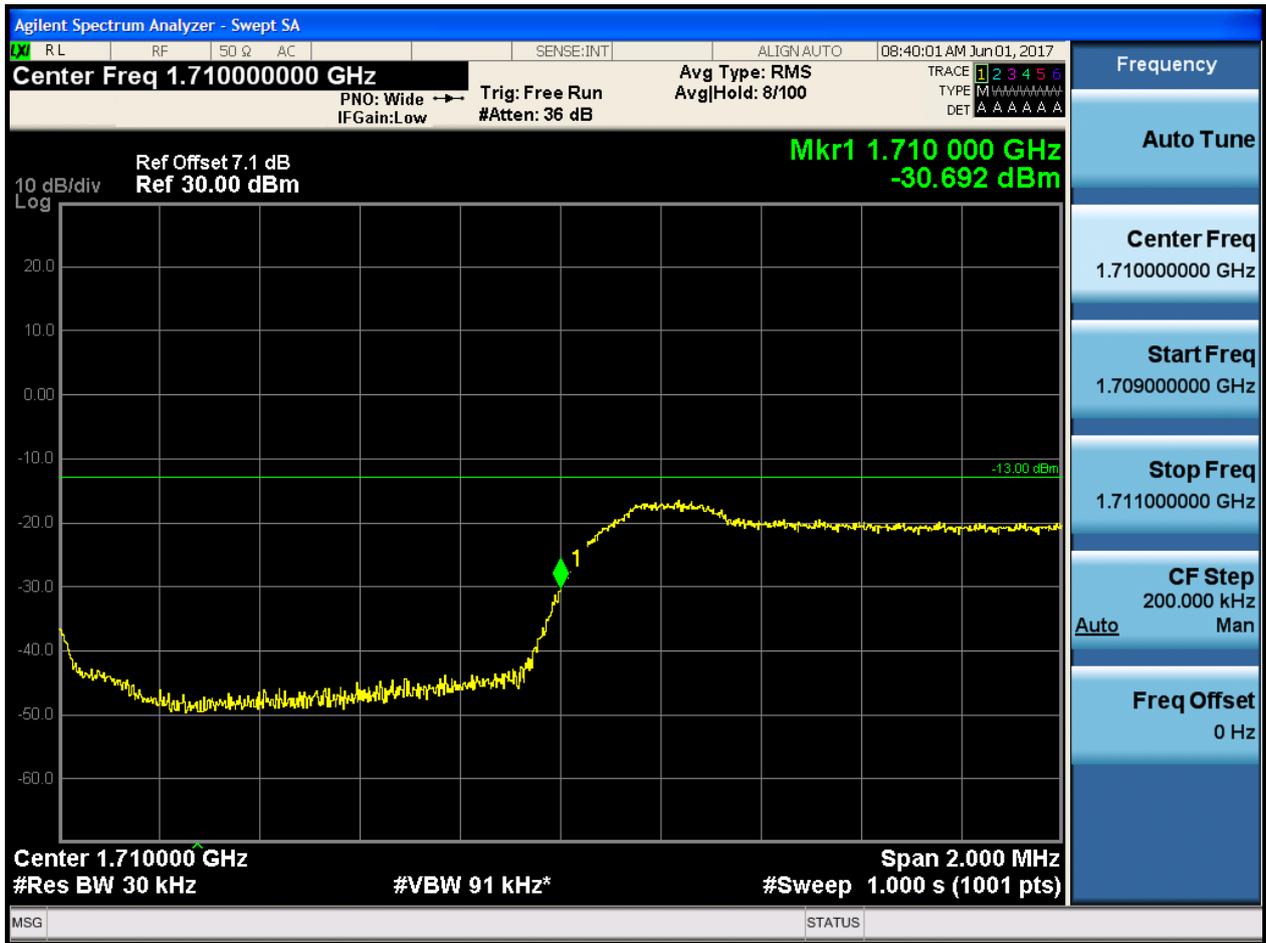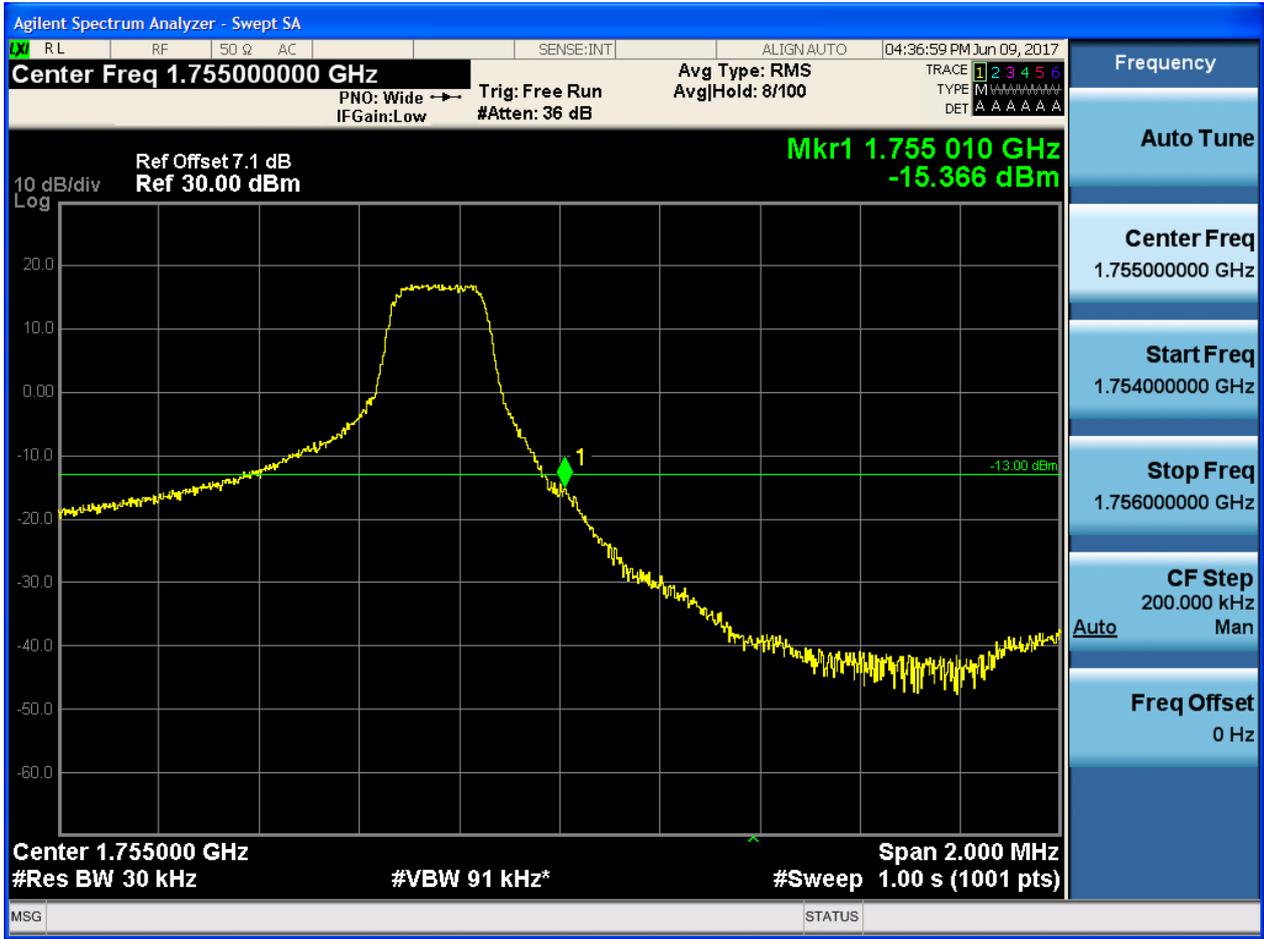
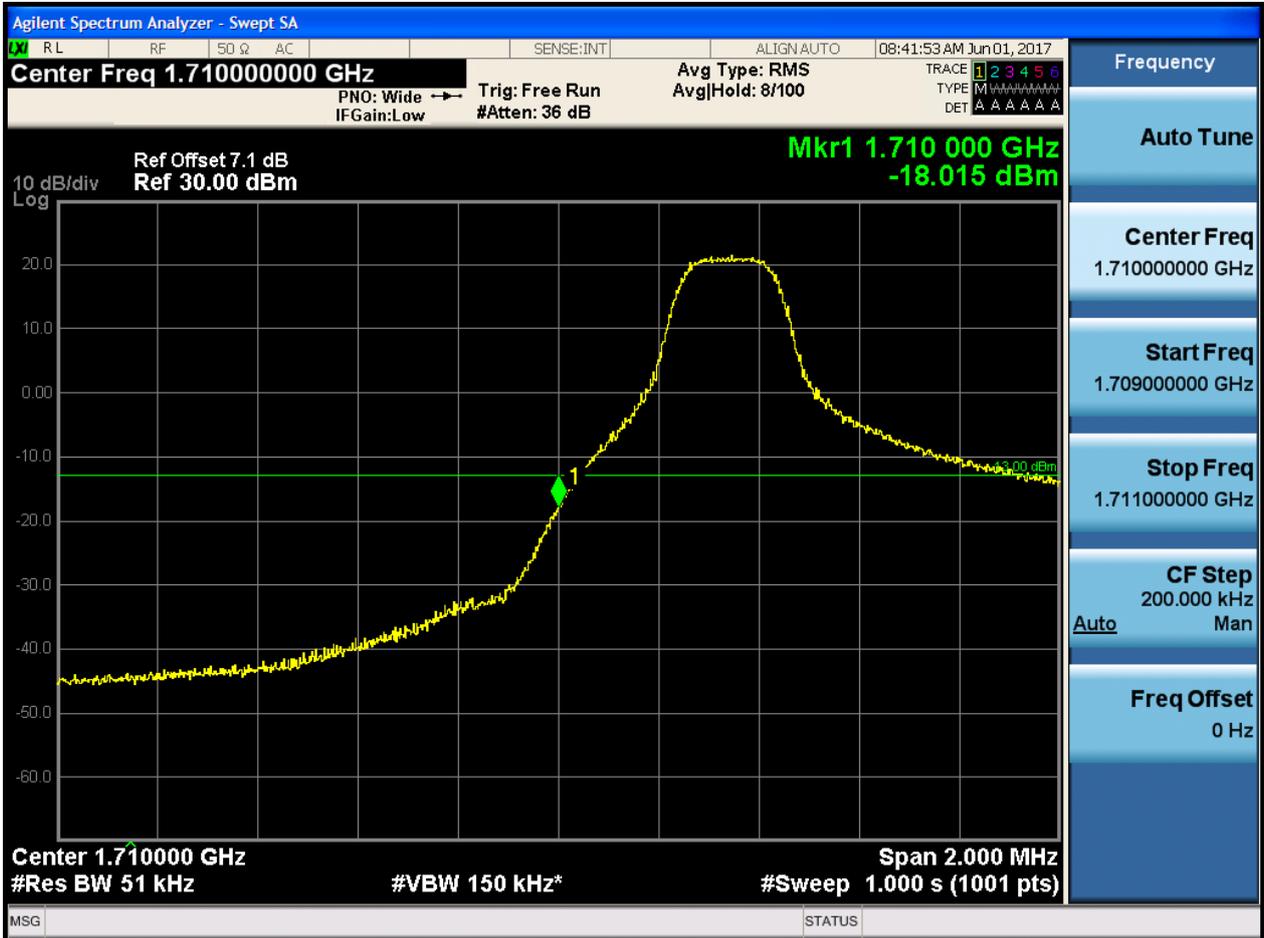## 5.1.1.1.2.1.3 Test RB = RB8#4
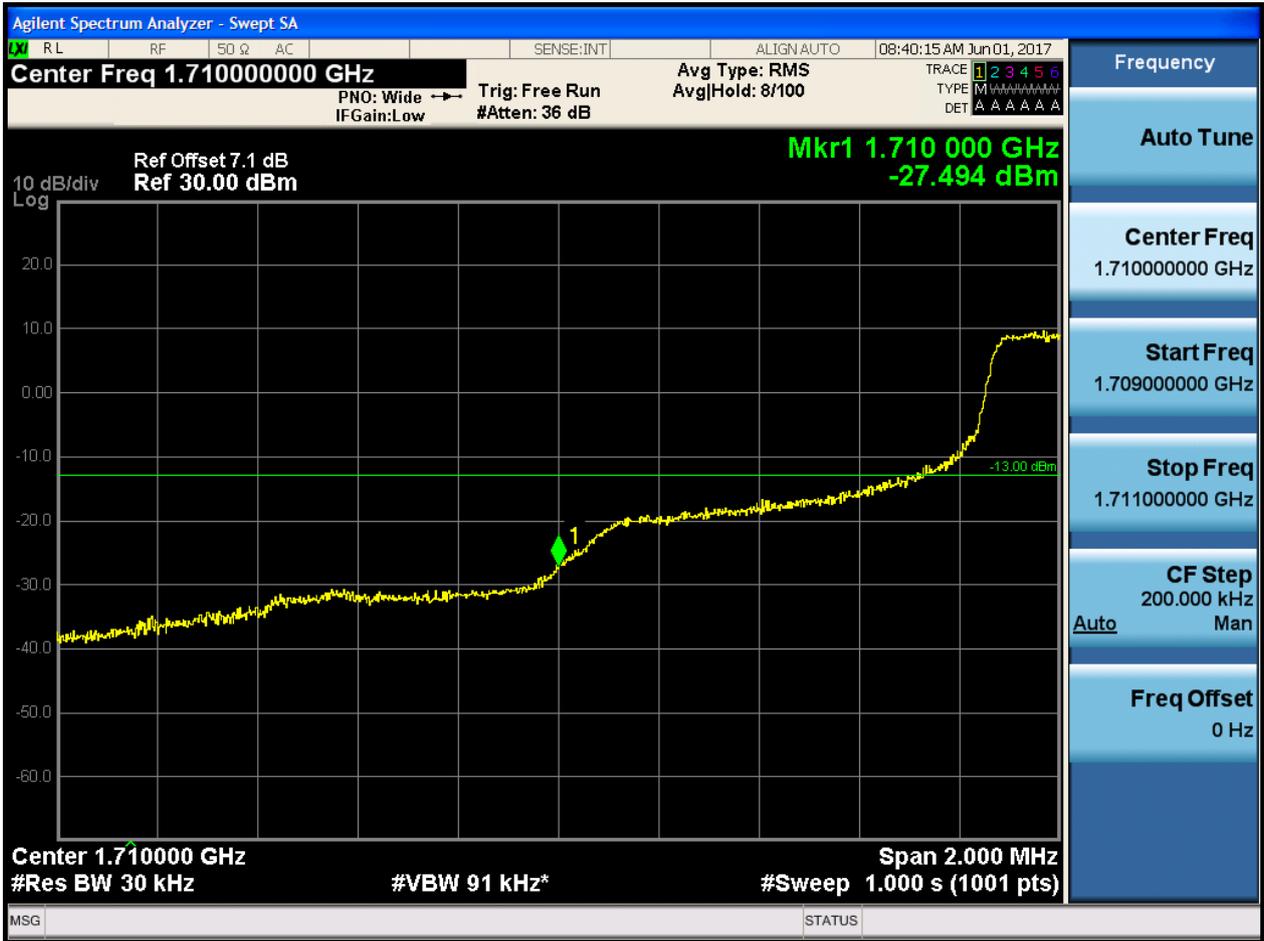
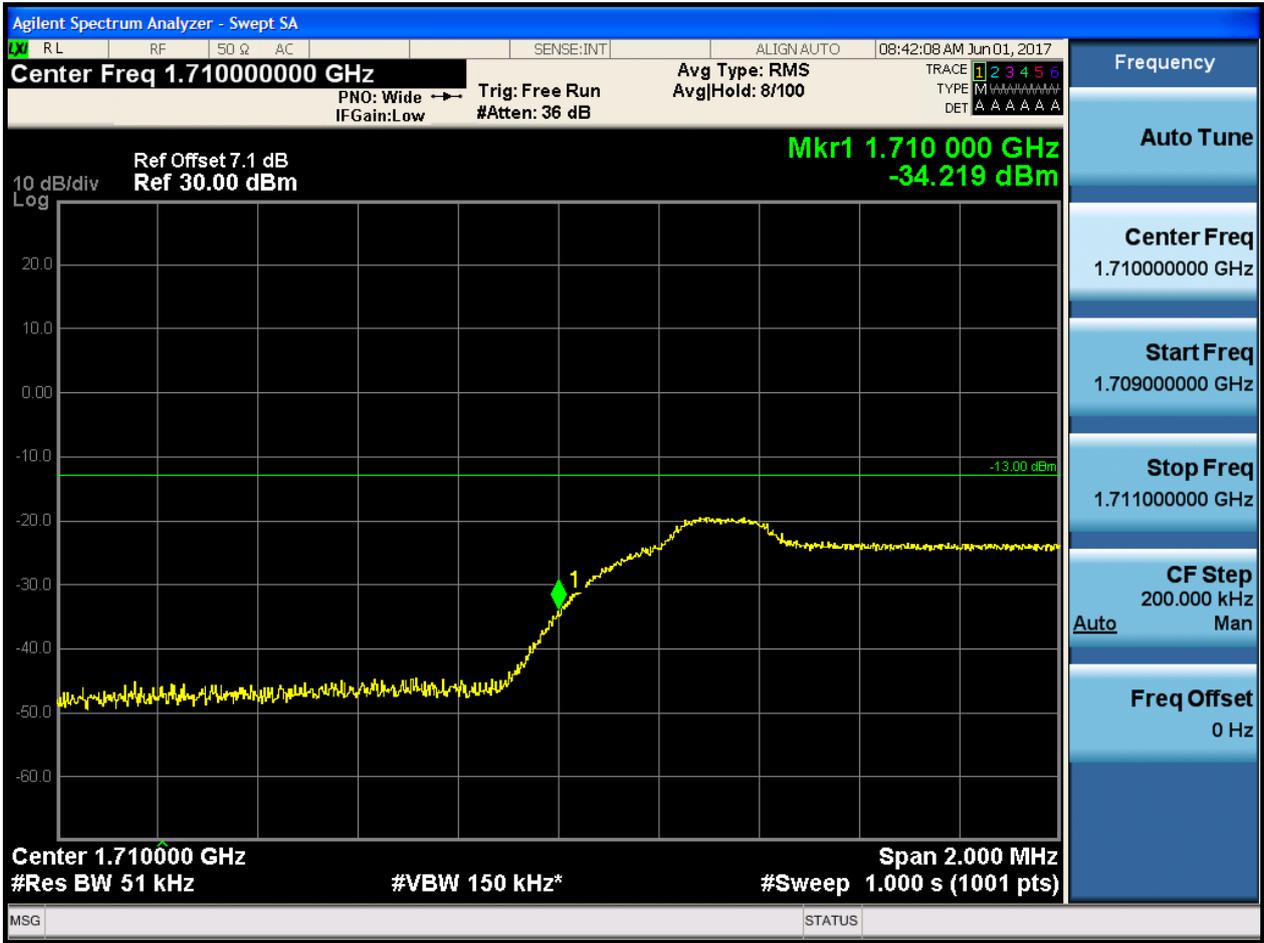## 5.1.1.1.2.1.4 Test RB = RB15#0

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

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

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

Agilent Spectrum Analyzer - Swept SA

R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   08:42:08 AM Jun 01, 2017

Center Freq 1.710000000 GHz   Avg Type: RMS   TRACE 1 2 3 4 5 6
                                    PNO: Wide ↔   Trig: Free Run   Avg|Hold: 8/100   TYPE M WWWWWW
                                    IFGain:Low   #Atten: 36 dB   DET A A A A A A

Ref Offset 7.1 dB   Mkr1 1.710 000 GHz
10 dB/div Ref 30.00 dBm   -34.219 dBm
Log

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0

-40.0

-50.0

-60.0

Center 1.710000 GHz   Span 2.000 MHz
#Res BW 51 kHz   #VBW 150 kHz*   #Sweep 1.000 s (1001 pts)

MSG   STATUS

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
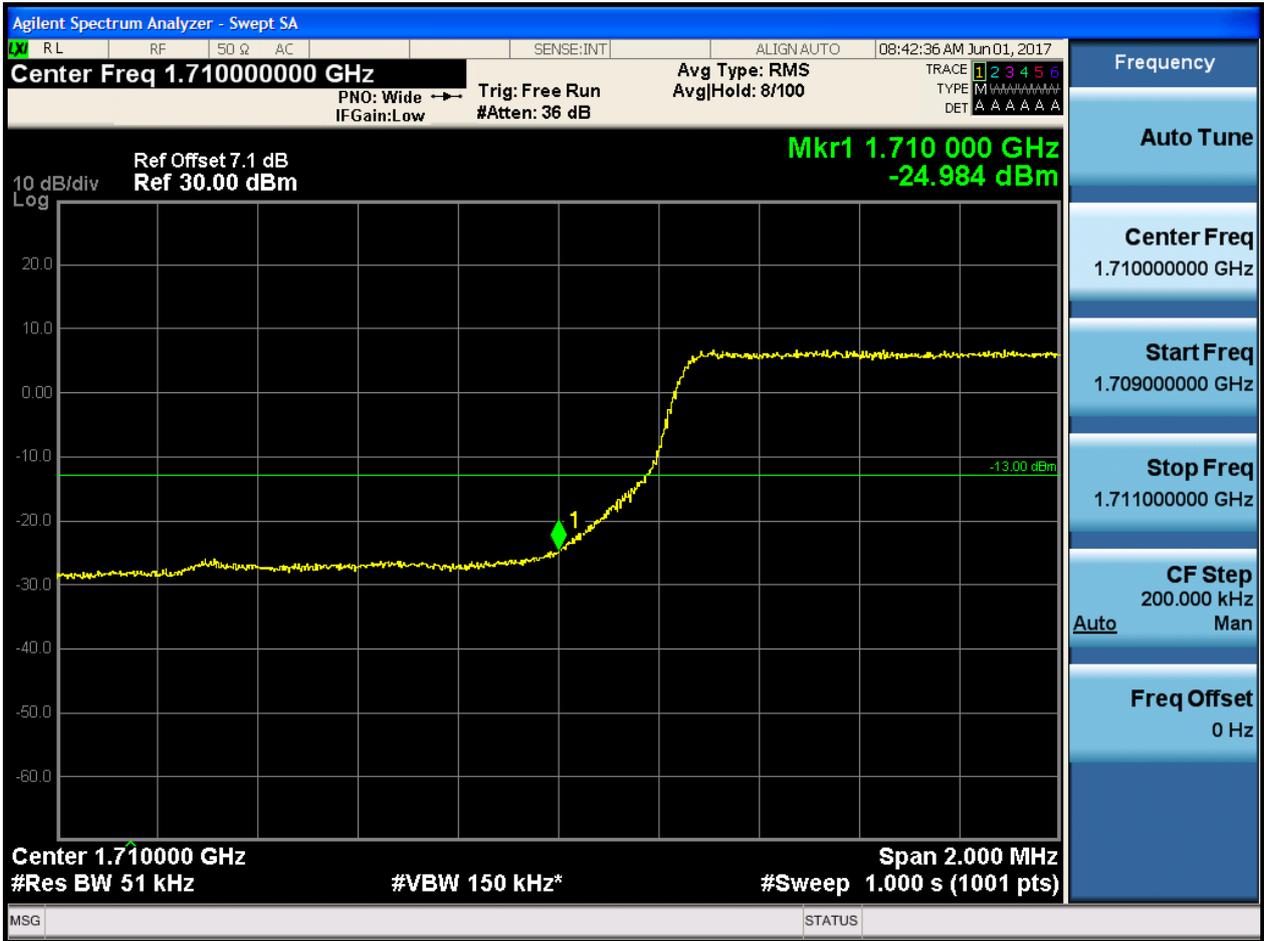Auto   Man

Freq Offset
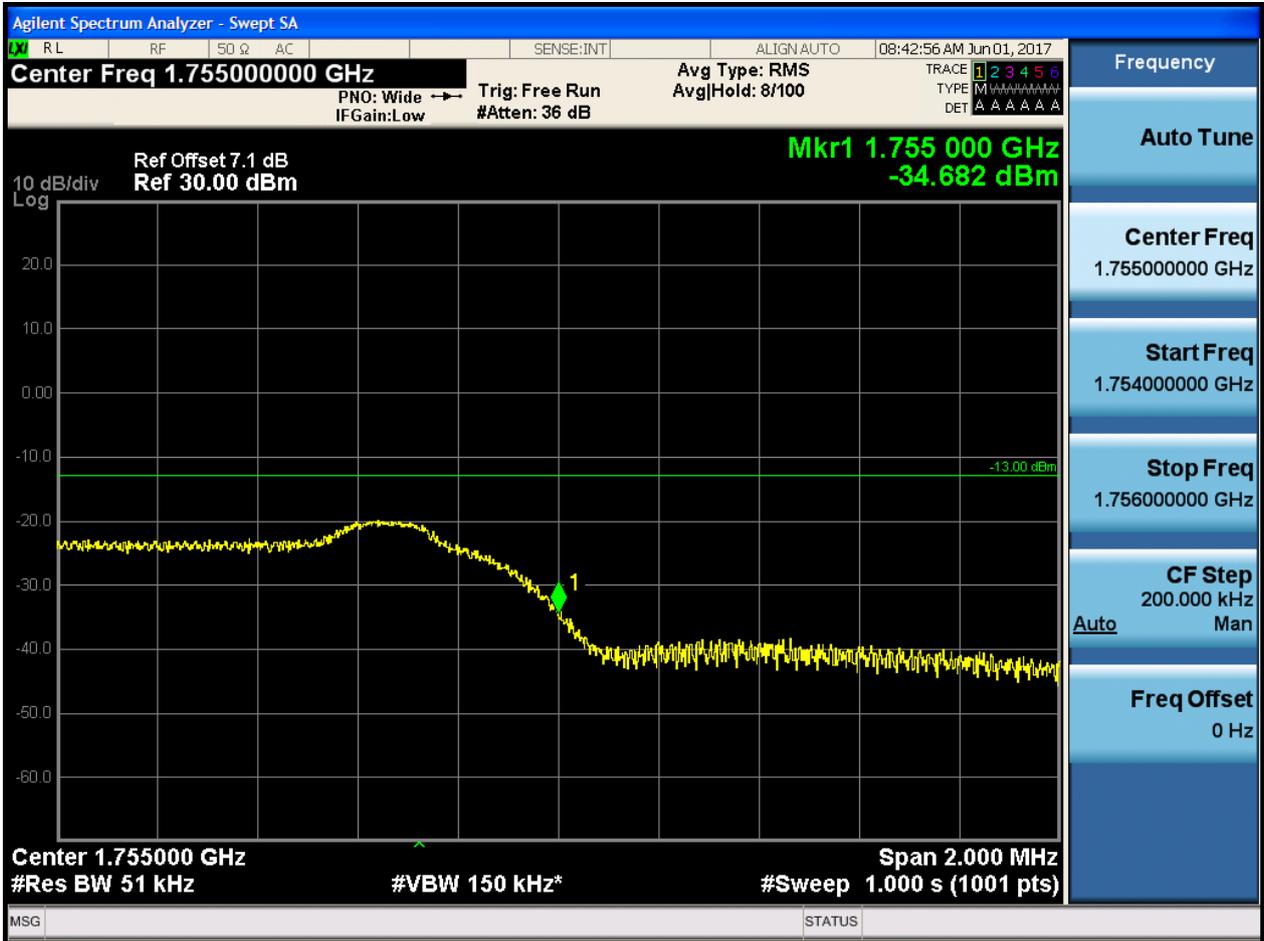0 Hz

5.1.1.1.3.1.3 Test RB = RB12#6
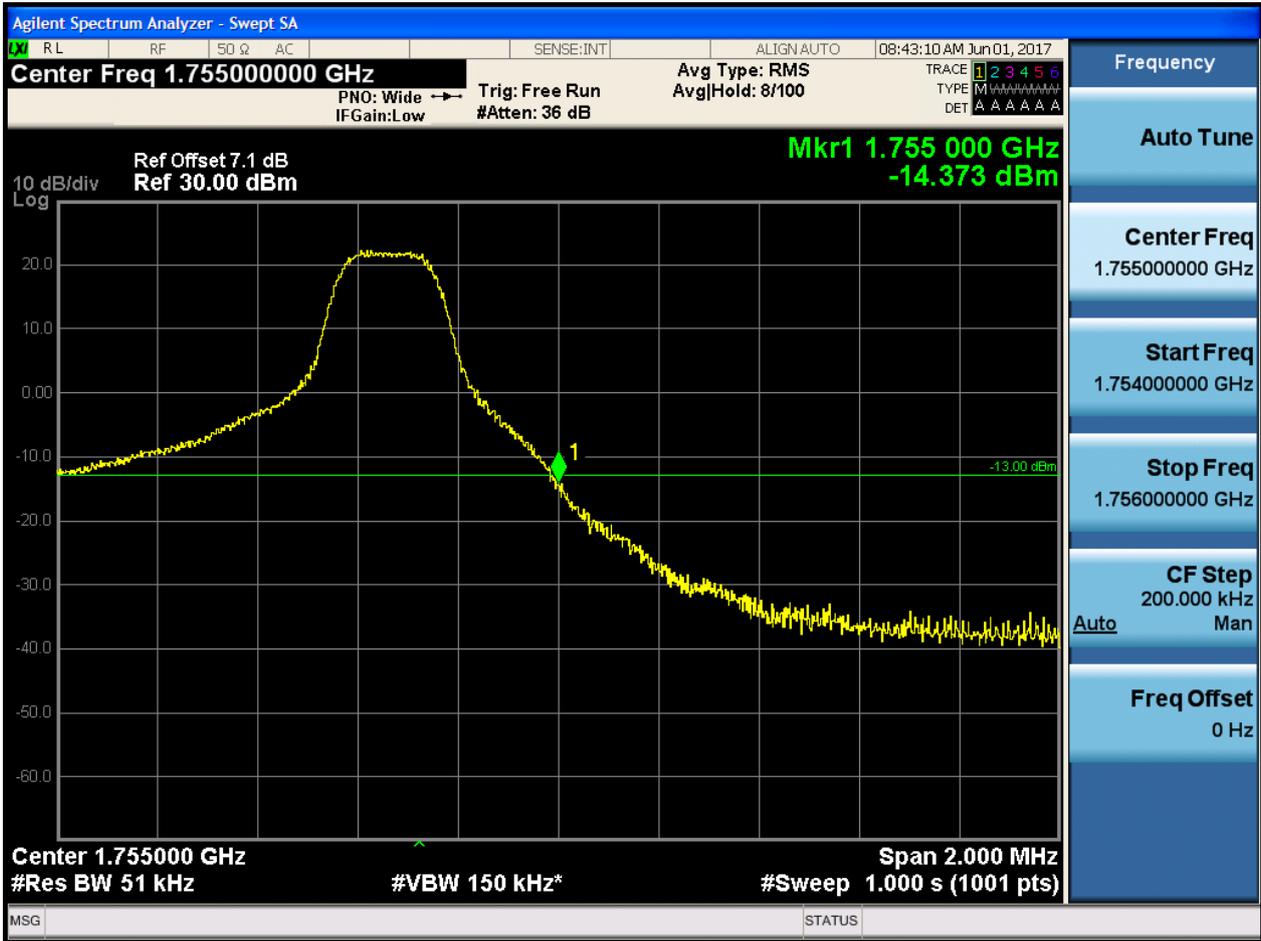
5.1.1.1.3.1.4 Test RB = RB25#0

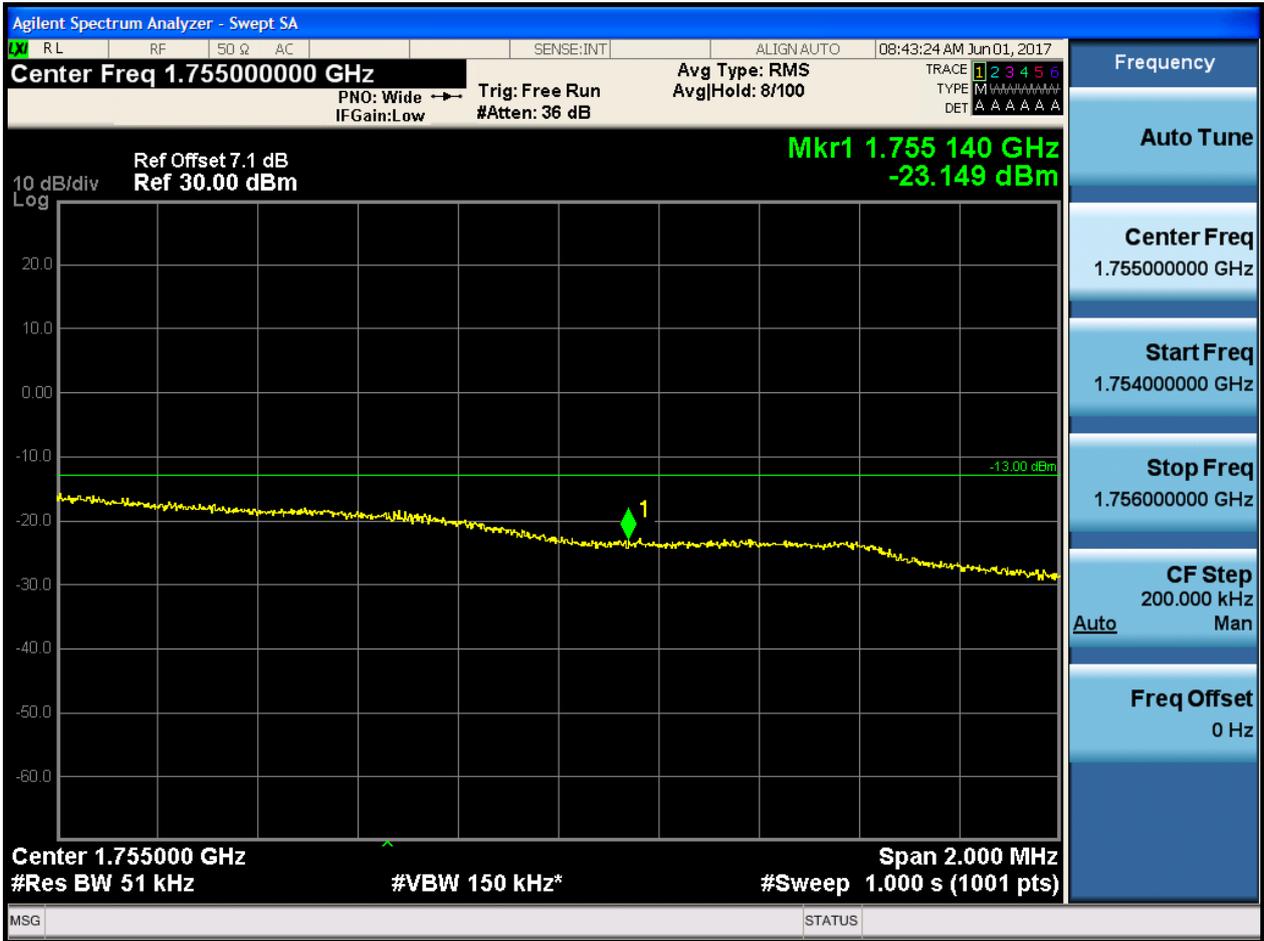## 5.1.1.1.3.2 Test Channel = HCH

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
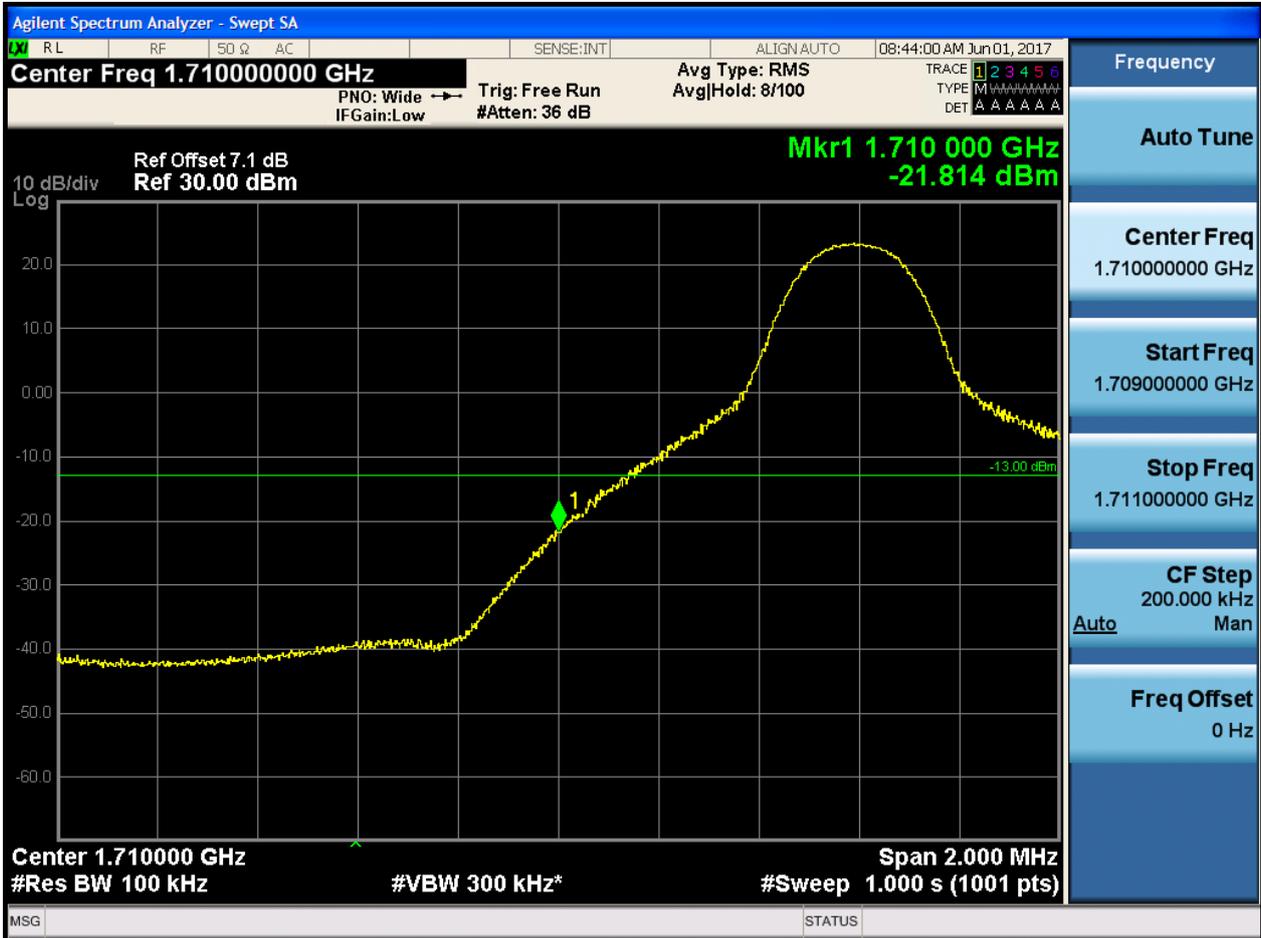
5.1.1.1.3.2.4 Test RB = RB25#0

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