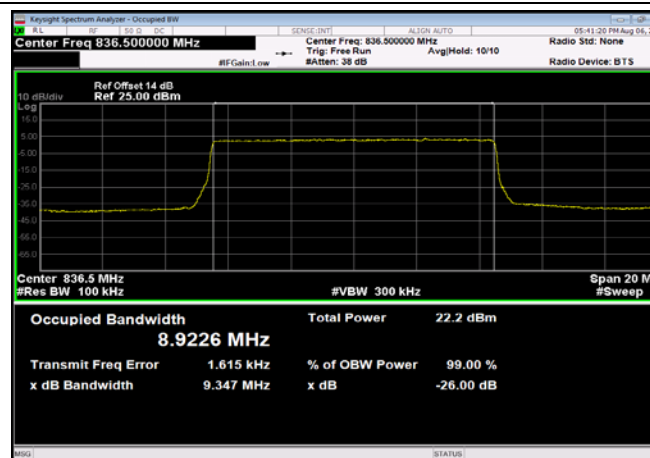
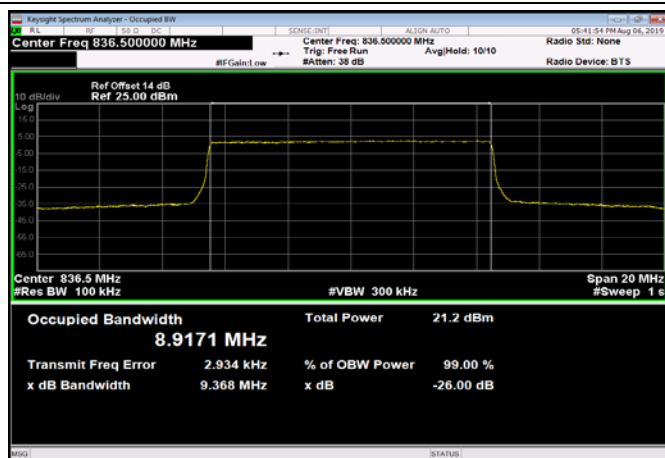




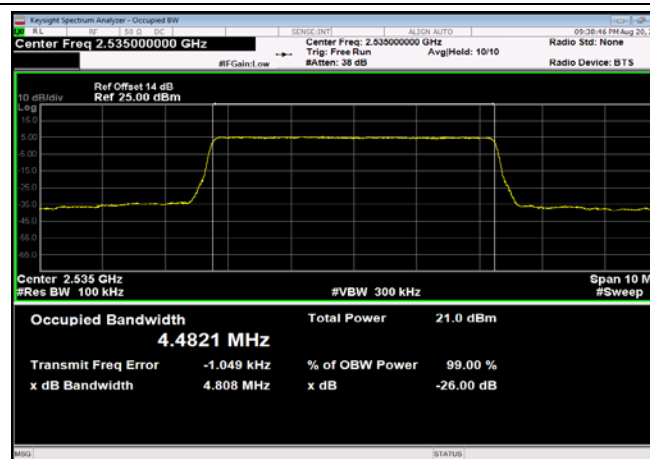
FDD05_MidRange_10_836.5_QPSK



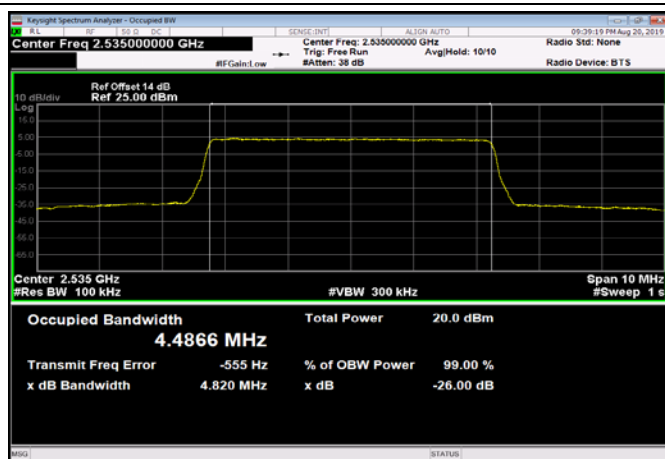
FDD05_MidRange_10_836.5_Q16



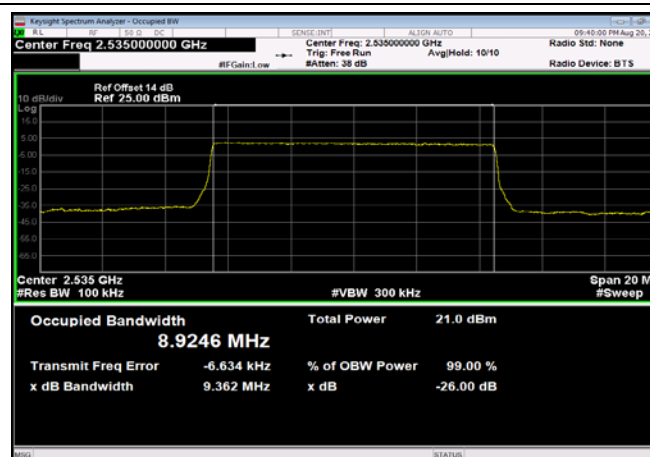
FDD07_MidRange_5_2535_QPSK



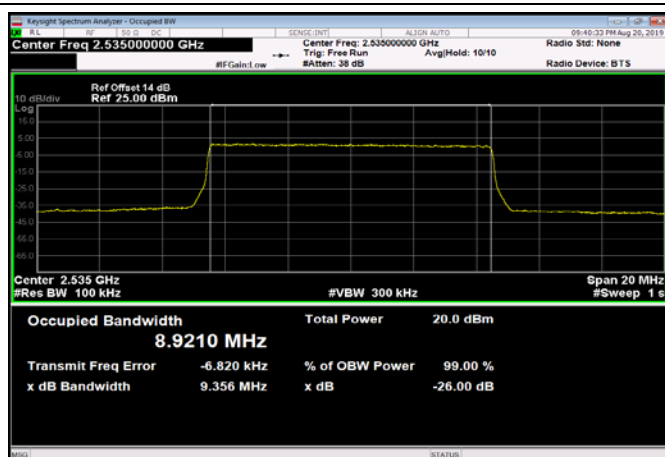
FDD07_MidRange_5_2535_Q16



FDD07_MidRange_10_2535_QPSK

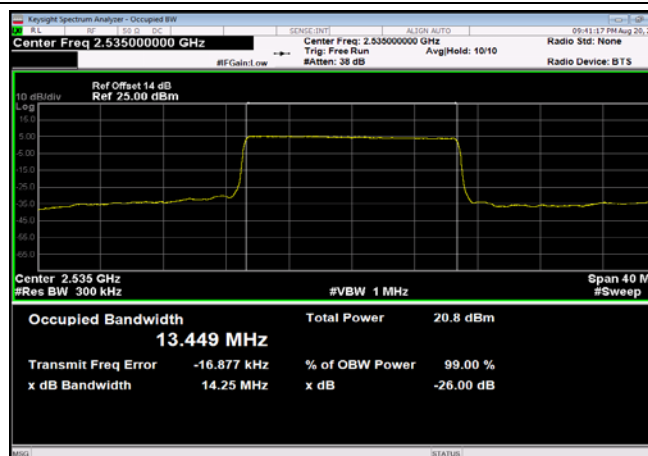


FDD07_MidRange_10_2535_Q16

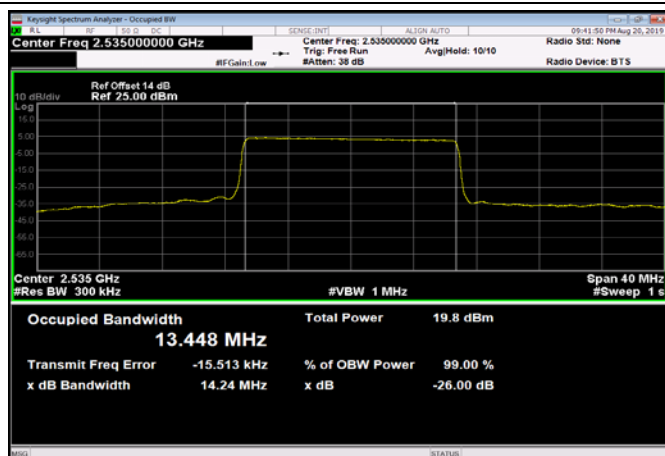




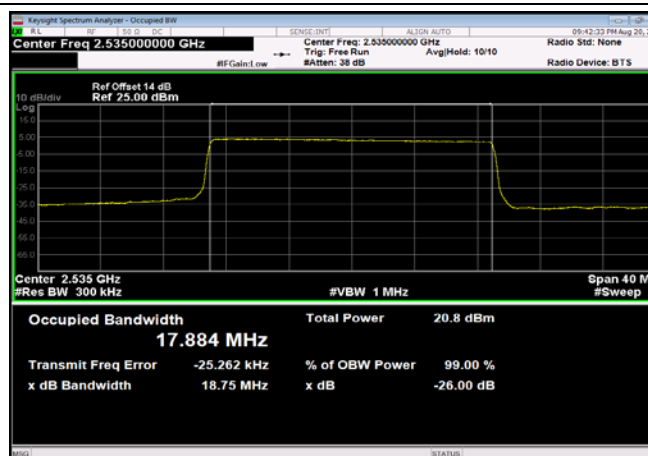
FDD07_MidRange_15_2535_QPSK



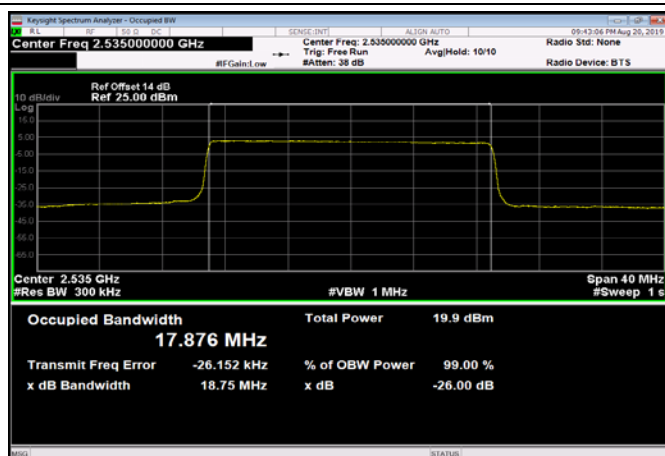
FDD07_MidRange_15_2535_Q16



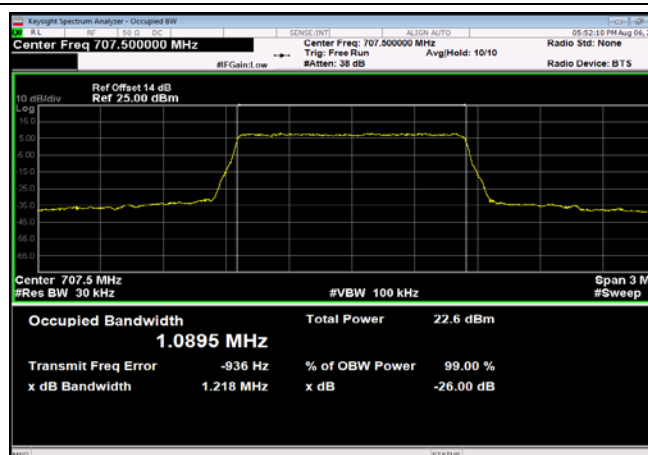
FDD07_MidRange_20_2535_QPSK



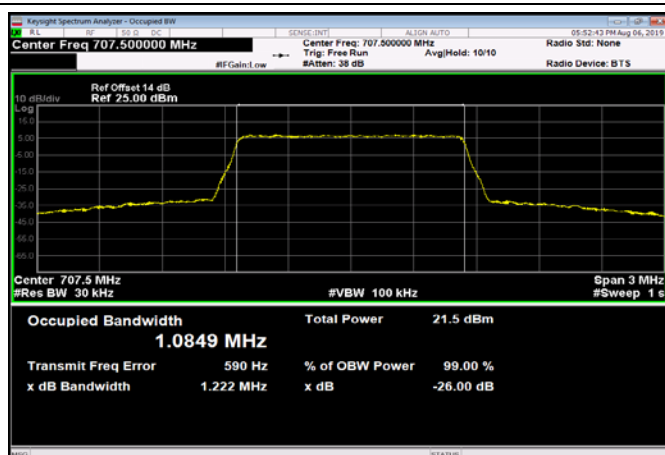
FDD07_MidRange_20_2535_Q16



FDD12_MidRange_1.4_707.5_QPSK

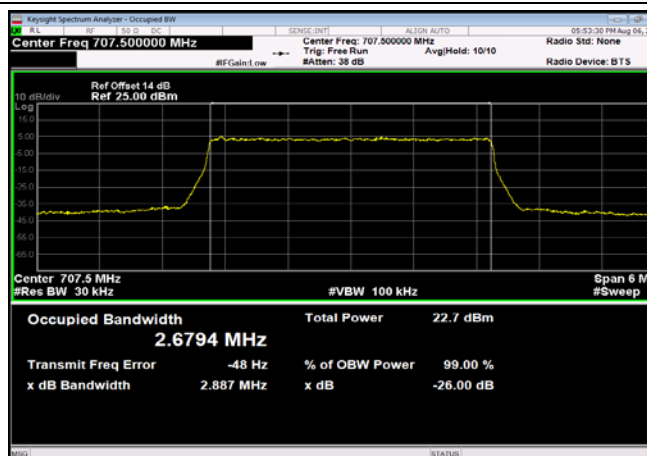


FDD12_MidRange_1.4_707.5_Q16

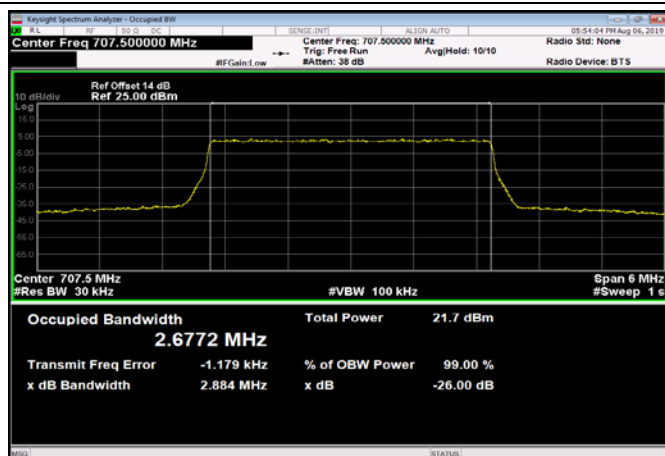




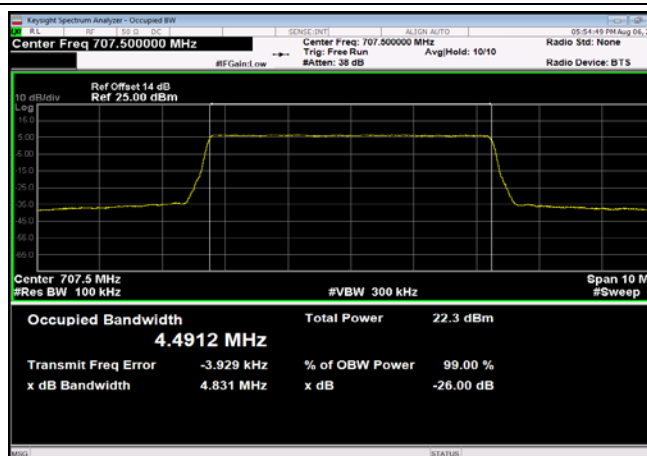
FDD12_MidRange_3_707.5_QPSK



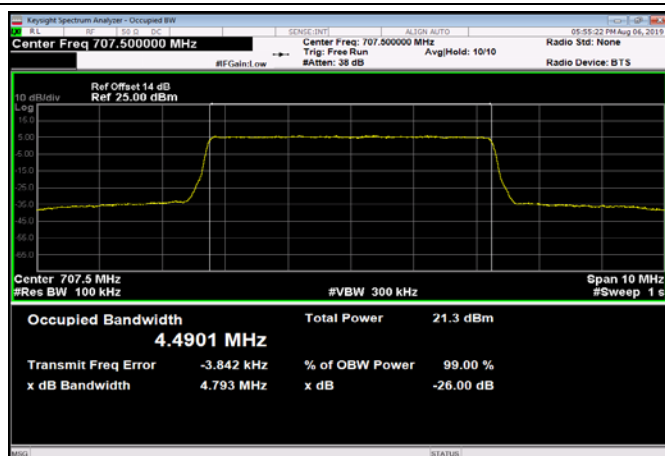
FDD12_MidRange_3_707.5_Q16



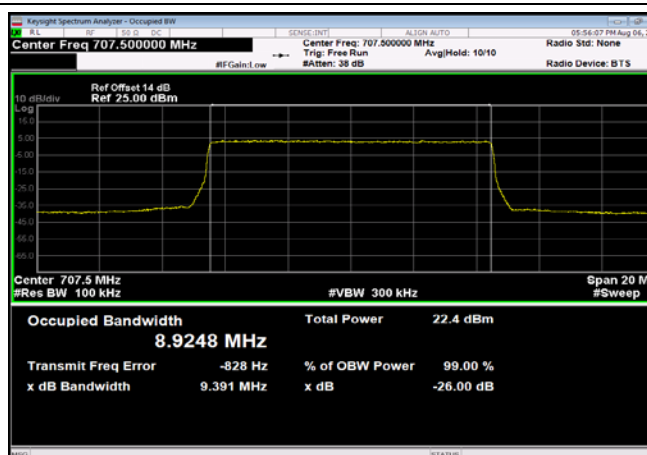
FDD12_MidRange_5_707.5_QPSK



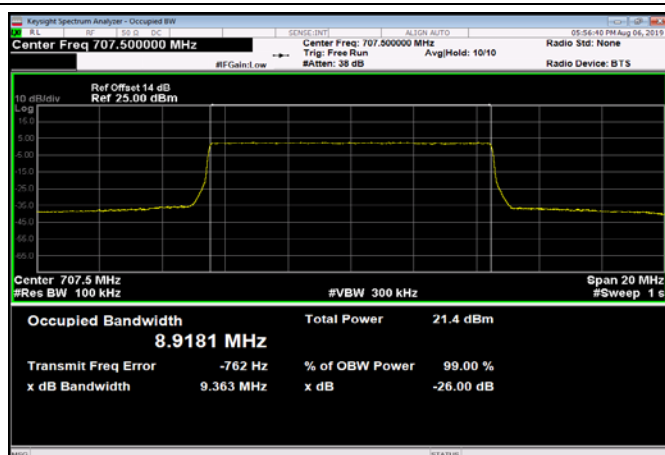
FDD12_MidRange_5_707.5_Q16



FDD12_MidRange_10_707.5_QPSK

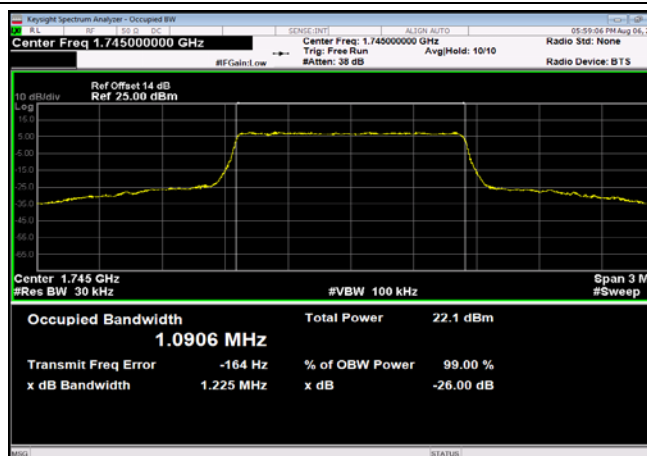


FDD12_MidRange_10_707.5_Q16

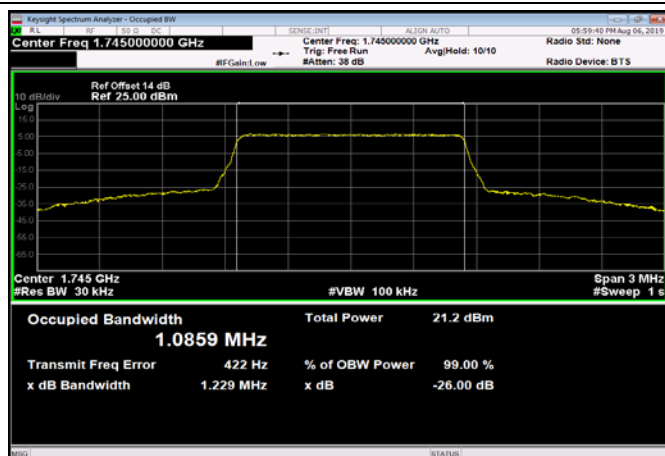




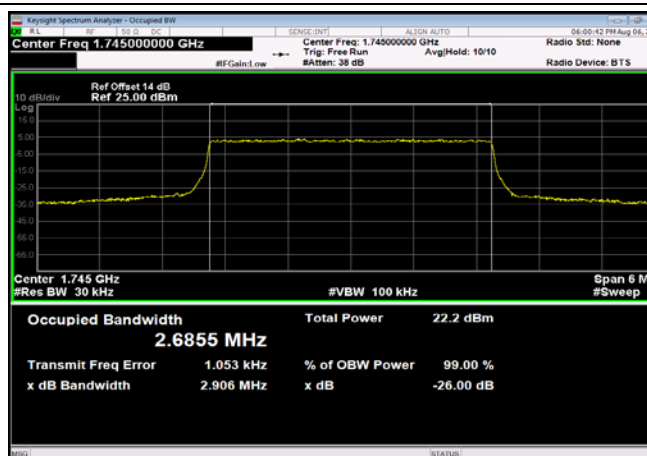
FDD66_MidRange_1.4_1745_QPSK



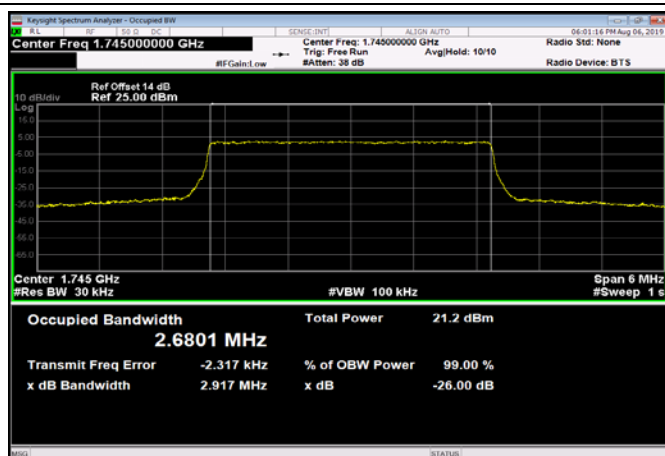
FDD66_MidRange_1.4_1745_Q16



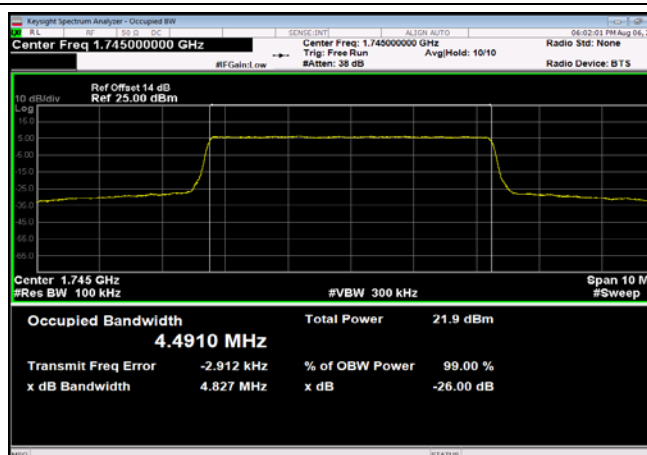
FDD66_MidRange_3_1745_QPSK



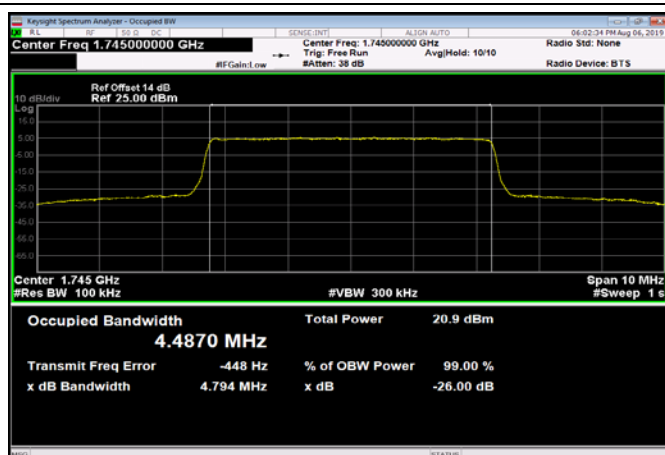
FDD66_MidRange_3_1745_Q16



FDD66_MidRange_5_1745_QPSK

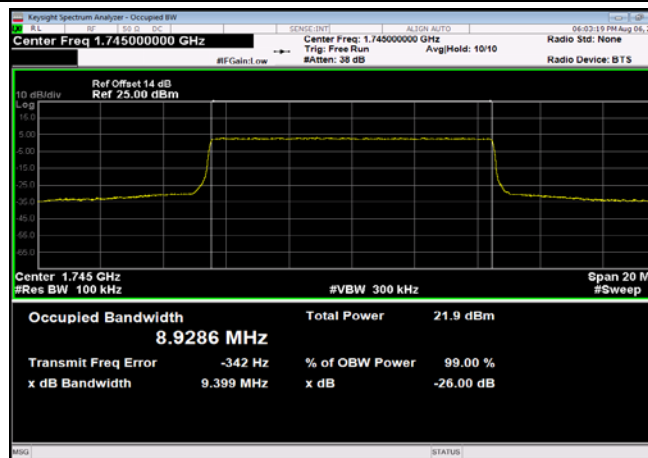


FDD66_MidRange_5_1745_Q16

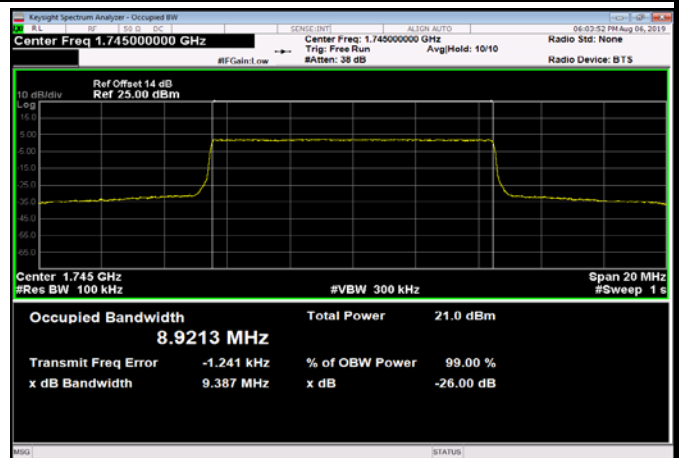




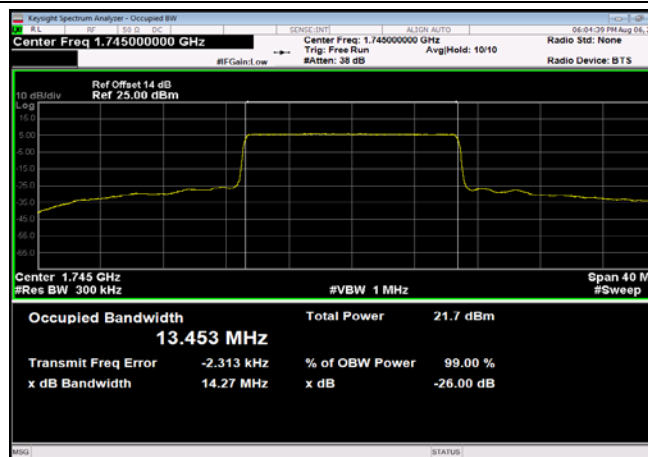
FDD66_MidRange_10_1745_QPSK



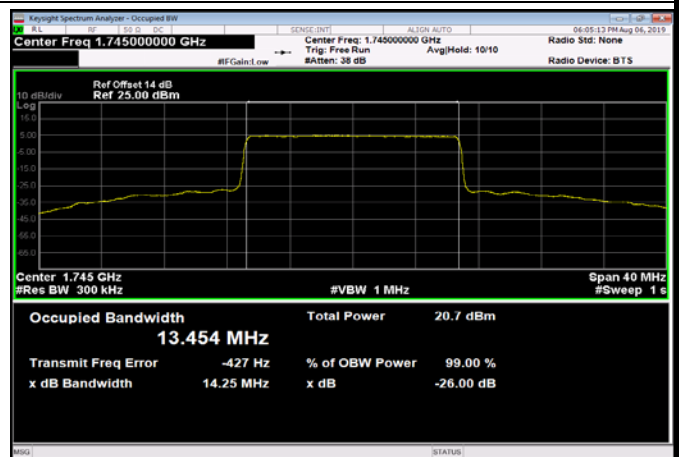
FDD66_MidRange_10_1745_Q16



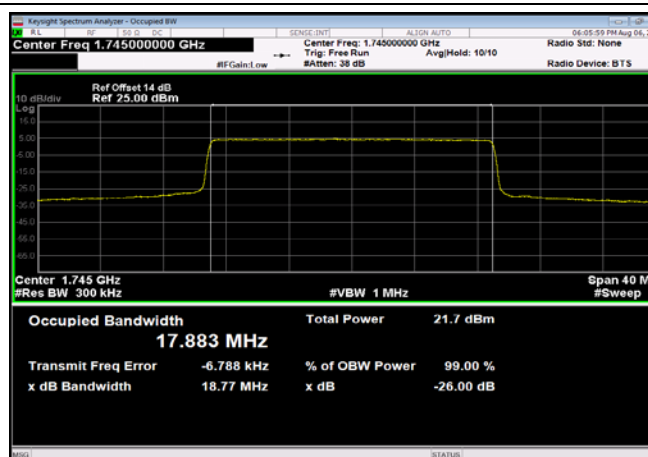
FDD66_MidRange_15_1745_QPSK



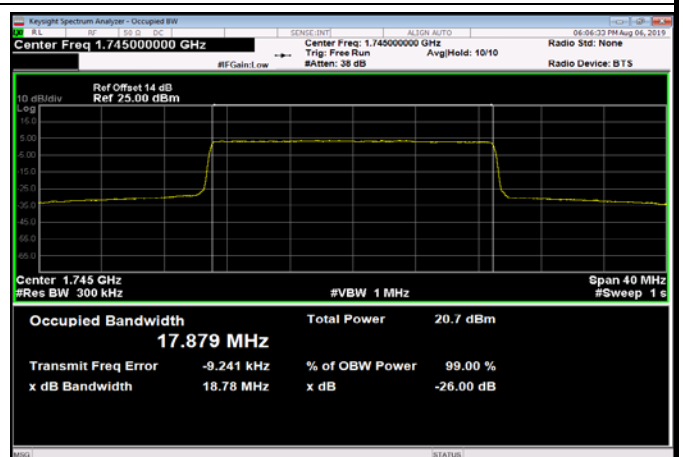
FDD66_MidRange_15_1745_Q16



FDD66_MidRange_20_1745_QPSK



FDD66_MidRange_20_1745_Q16



**26dB Bandwidth****Test Result and Data**

Emission Bandwidth NormalTC_NormalVol					
Band	Range	BandWidth	Frequency (MHz)	Modulation	EmissionBandwidth (MHz)
FDD02	MidRange	1.4	1880	QPSK	1.223
FDD02	MidRange	1.4	1880	Q16	1.227
FDD02	MidRange	3	1880	QPSK	2.97
FDD02	MidRange	3	1880	Q16	2.96
FDD02	MidRange	5	1880	QPSK	4.83
FDD02	MidRange	5	1880	Q16	4.80
FDD02	MidRange	10	1880	QPSK	9.37
FDD02	MidRange	10	1880	Q16	9.37
FDD02	MidRange	15	1880	QPSK	14.25
FDD02	MidRange	15	1880	Q16	14.24
FDD02	MidRange	20	1880	QPSK	18.74
FDD02	MidRange	20	1880	Q16	18.75
FDD04	MidRange	1.4	1732.5	QPSK	1.22
FDD04	MidRange	1.4	1732.5	Q16	1.22
FDD04	MidRange	3	1732.5	QPSK	2.97
FDD04	MidRange	3	1732.5	Q16	2.97
FDD04	MidRange	5	1732.5	QPSK	4.84
FDD04	MidRange	5	1732.5	Q16	4.79
FDD04	MidRange	10	1732.5	QPSK	9.37
FDD04	MidRange	10	1732.5	Q16	9.38
FDD04	MidRange	15	1732.5	QPSK	14.25
FDD04	MidRange	15	1732.5	Q16	14.23
FDD04	MidRange	20	1732.5	QPSK	18.74
FDD04	MidRange	20	1732.5	Q16	18.75
FDD05	MidRange	1.4	836.5	QPSK	1.21
FDD05	MidRange	1.4	836.5	Q16	1.22
FDD05	MidRange	3	836.5	QPSK	2.97

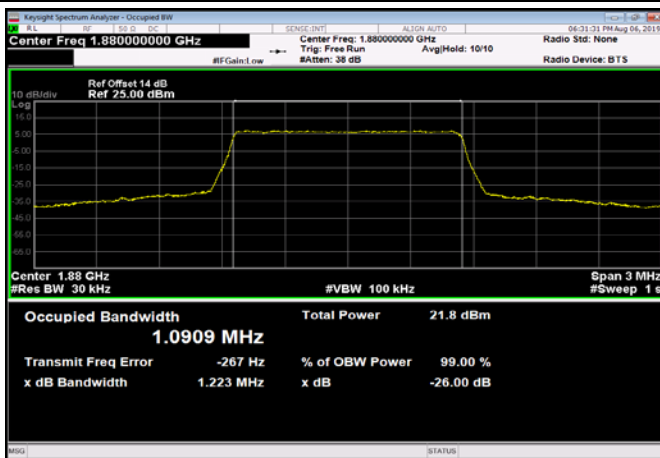


FDD05	MidRange	3	836.5	Q16	2.96
FDD05	MidRange	5	836.5	QPSK	4.82
FDD05	MidRange	5	836.5	Q16	4.80
FDD05	MidRange	10	836.5	QPSK	9.38
FDD05	MidRange	10	836.5	Q16	9.36
FDD07	MidRange	5	2535	QPSK	4.81
FDD07	MidRange	5	2535	Q16	4.82
FDD07	MidRange	10	2535	QPSK	9.36
FDD07	MidRange	10	2535	Q16	9.37
FDD07	MidRange	15	2535	QPSK	14.24
FDD07	MidRange	15	2535	Q16	14.23
FDD07	MidRange	20	2535	QPSK	18.74
FDD07	MidRange	20	2535	Q16	18.75
FDD12	MidRange	1.4	707.5	QPSK	1.22
FDD12	MidRange	1.4	707.5	Q16	1.22
FDD12	MidRange	3	707.5	QPSK	2.96
FDD12	MidRange	3	707.5	Q16	2.97
FDD12	MidRange	5	707.5	QPSK	4.83
FDD12	MidRange	5	707.5	Q16	4.80
FDD12	MidRange	10	707.5	QPSK	9.4
FDD12	MidRange	10	707.5	Q16	9.36
FDD66	MidRange	1.4	1745	QPSK	1.23
FDD66	MidRange	1.4	1745	Q16	1.23
FDD66	MidRange	3	1745	QPSK	2.98
FDD66	MidRange	3	1745	Q16	2.98
FDD66	MidRange	5	1745	QPSK	4.83
FDD66	MidRange	5	1745	Q16	4.80
FDD66	MidRange	10	1745	QPSK	9.40
FDD66	MidRange	10	1745	Q16	9.38
FDD66	MidRange	15	1745	QPSK	14.26
FDD66	MidRange	15	1745	Q16	14.26
FDD66	MidRange	20	1745	QPSK	18.76

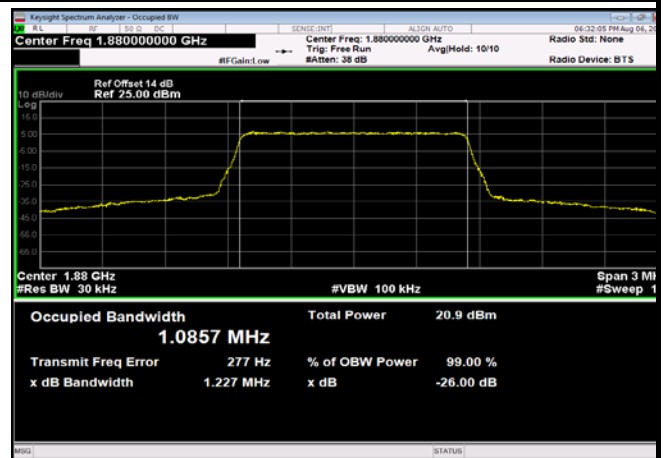
Page 102 of 179



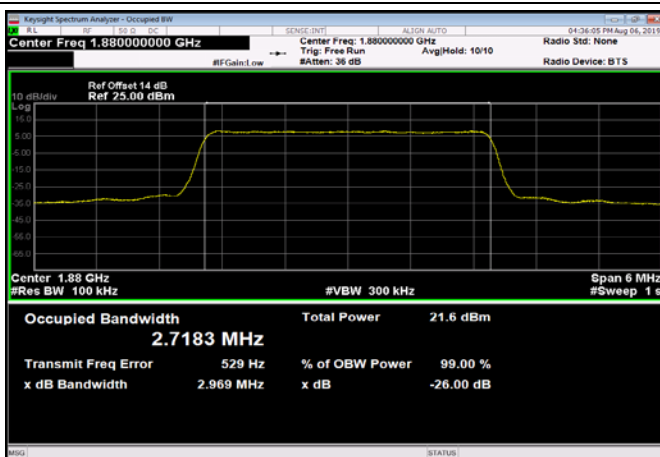
FDD02_MidRange_1.4MHz_1880MHz_QPSK



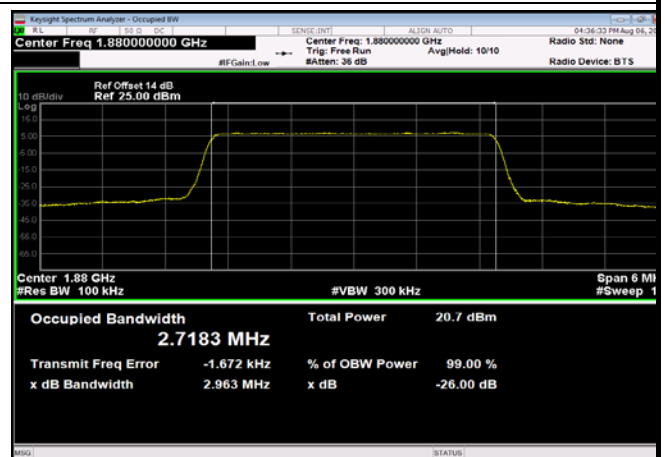
FDD02_MidRange_1.4MHz_1880MHz_Q16



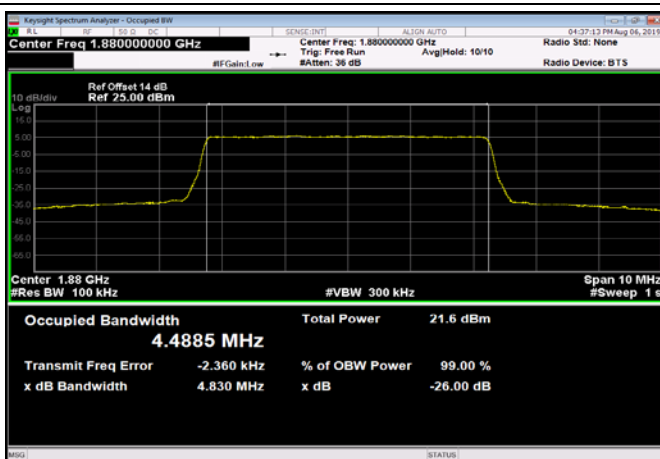
FDD02_MidRange_3MHz_1880MHz_QPSK



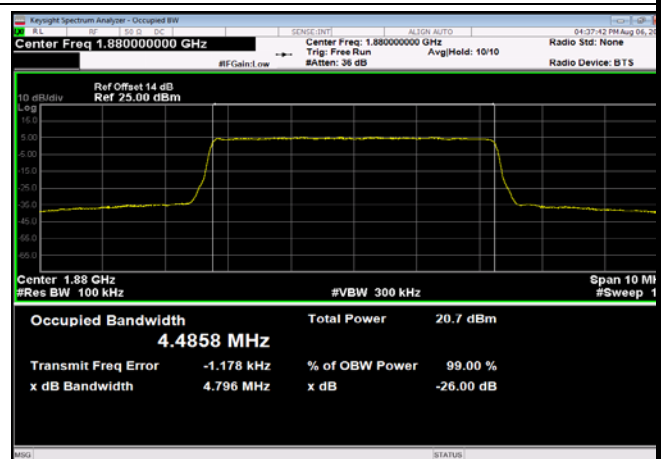
FDD02_MidRange_3MHz_1880MHz_Q16



FDD02_MidRange_5MHz_1880MHz_QPSK

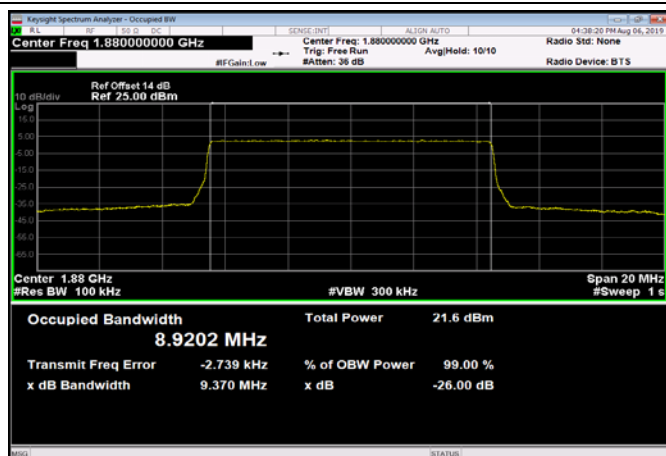


FDD02_MidRange_5MHz_1880MHz_Q16

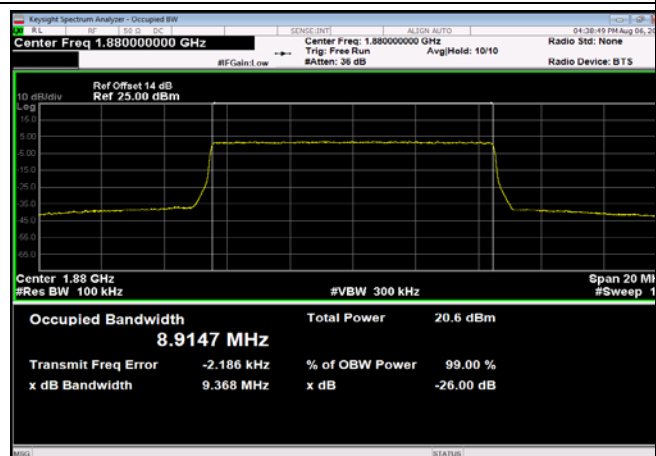




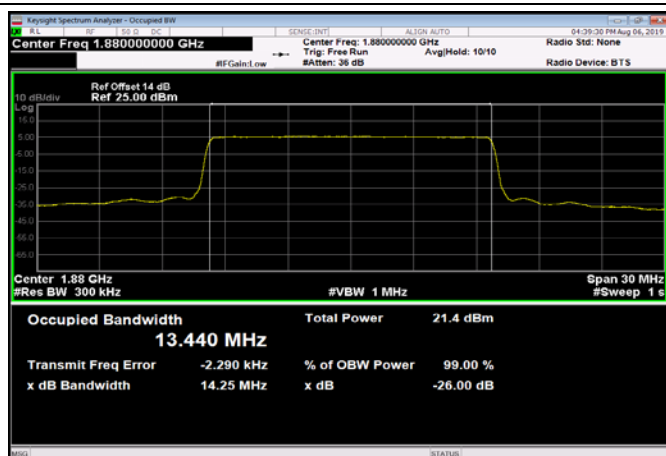
FDD02_MidRange_10MHz_1880MHz_QPSK



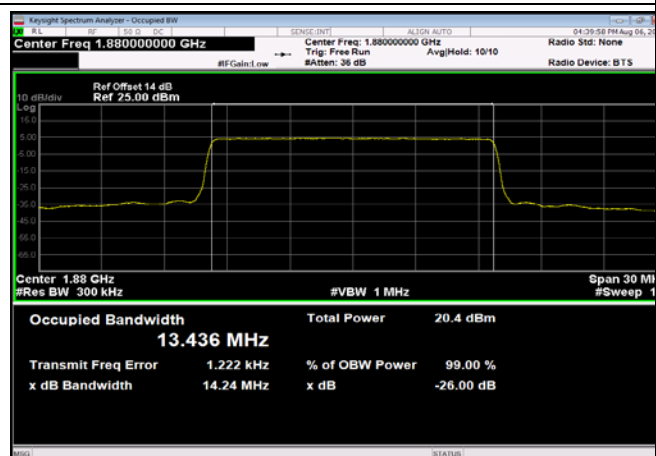
FDD02_MidRange_10MHz_1880MHz_Q16



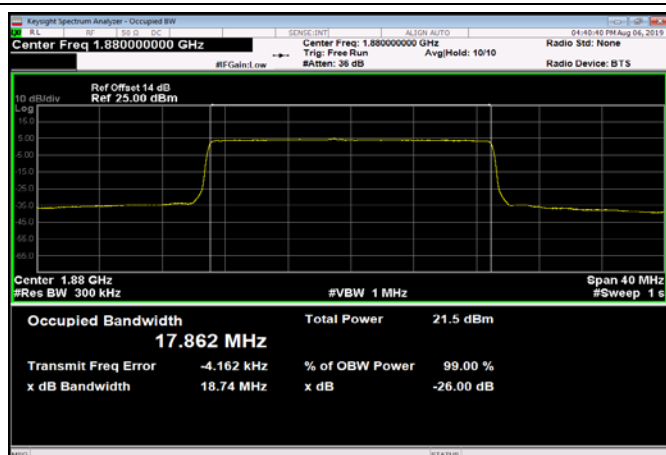
FDD02_MidRange_15MHz_1880MHz_QPSK



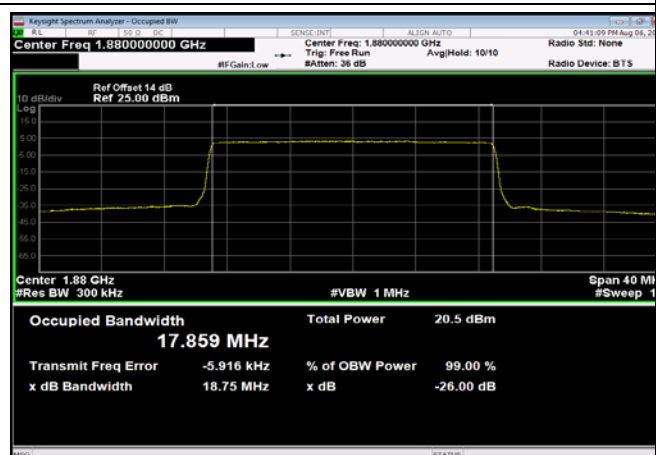
FDD02_MidRange_15MHz_1880MHz_Q16

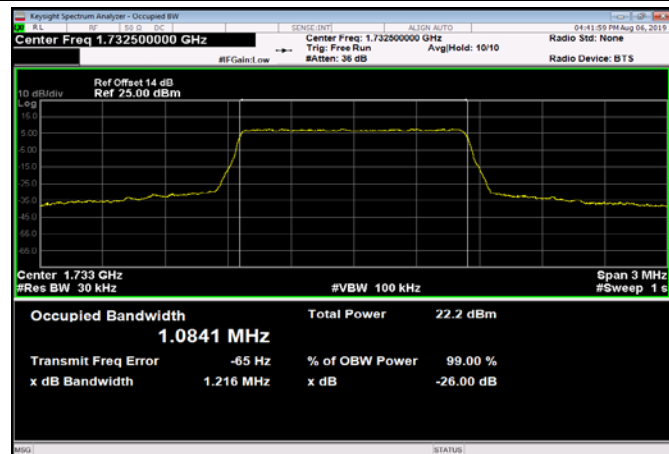
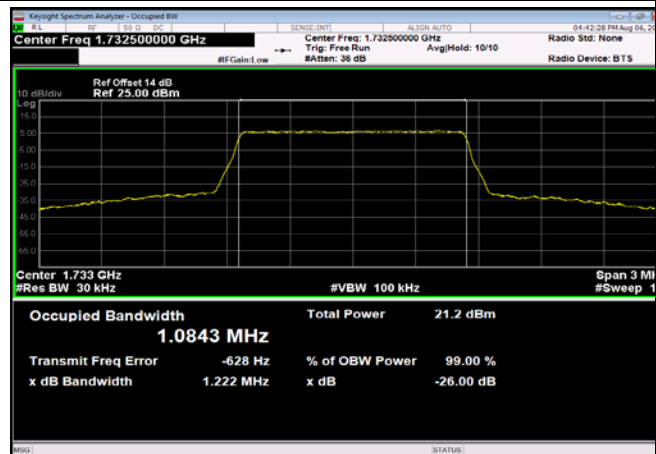


FDD02_MidRange_20MHz_1880MHz_QPSK

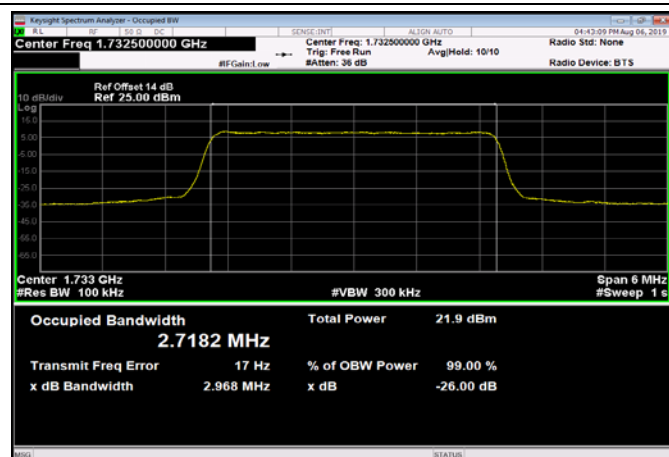


FDD02_MidRange_20MHz_1880MHz_Q16

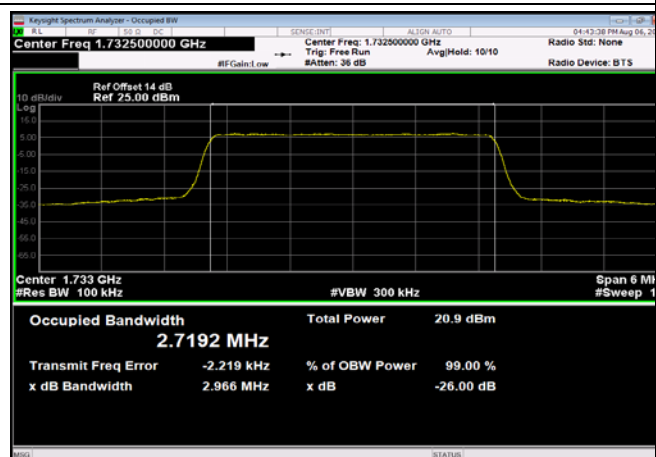


FDD04_MidRange_1.4MHz_1732.5MHz
_QPSKFDD04_MidRange_1.4MHz_1732.5MHz
_Q16

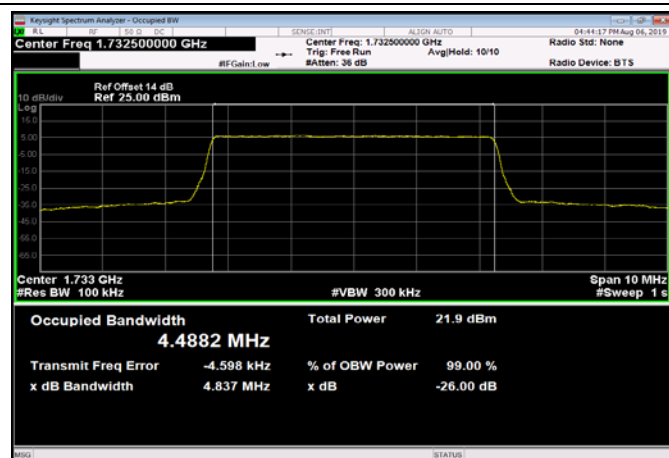
FDD04_MidRange_3MHz_1732.5MHz_QPSK



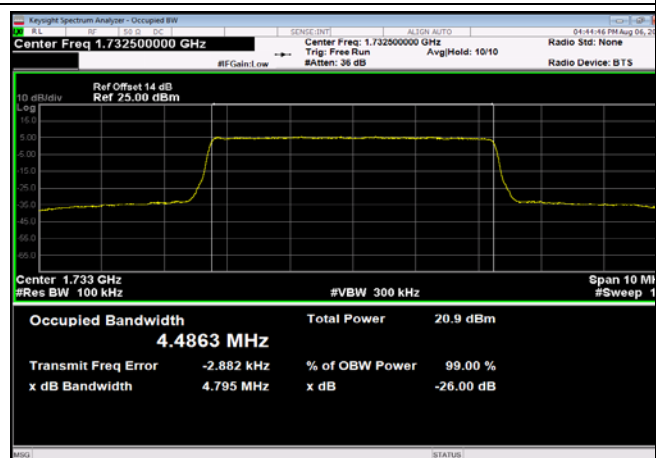
FDD04_MidRange_3MHz_1732.5MHz_Q16



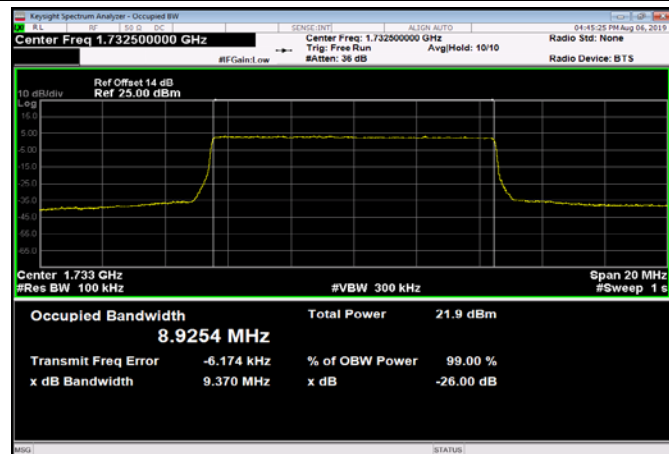
FDD04_MidRange_5MHz_1732.5MHz_QPSK



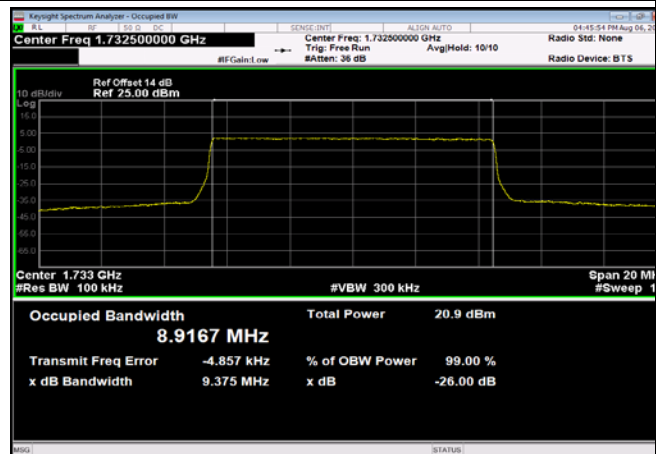
FDD04_MidRange_5MHz_1732.5MHz_Q16



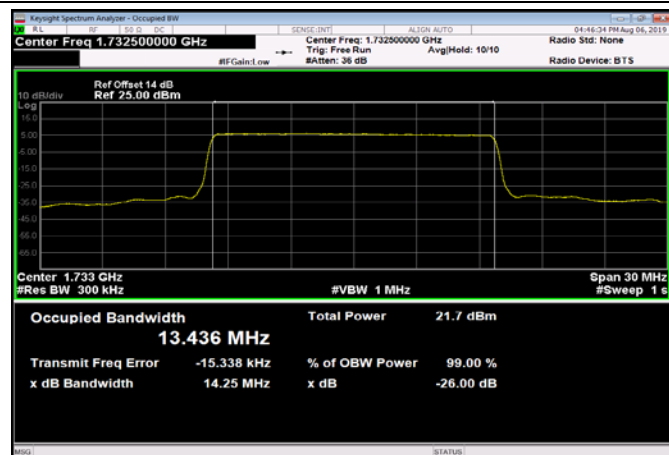
FDD04_MidRange_10MHz_1732.5MHz
_QPSK



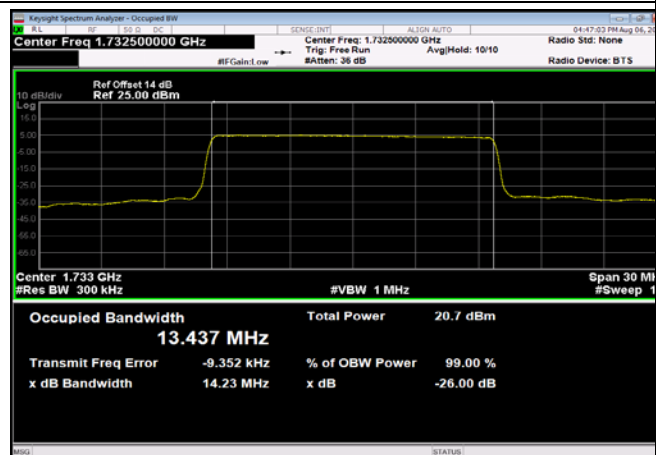
FDD04_MidRange_10MHz_1732.5MHz
_Q16



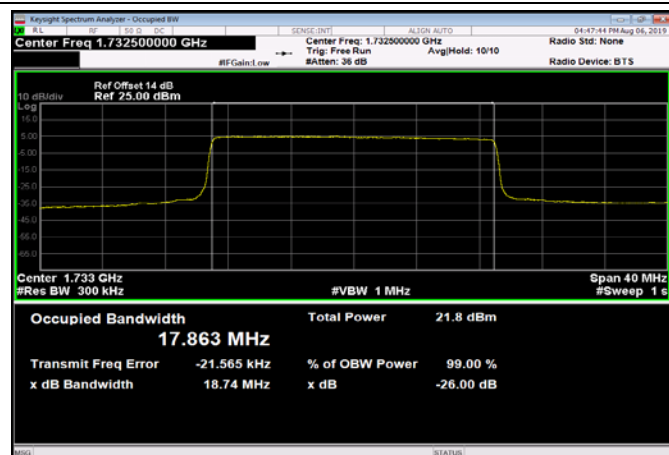
FDD04_MidRange_15MHz_1732.5MHz
_QPSK



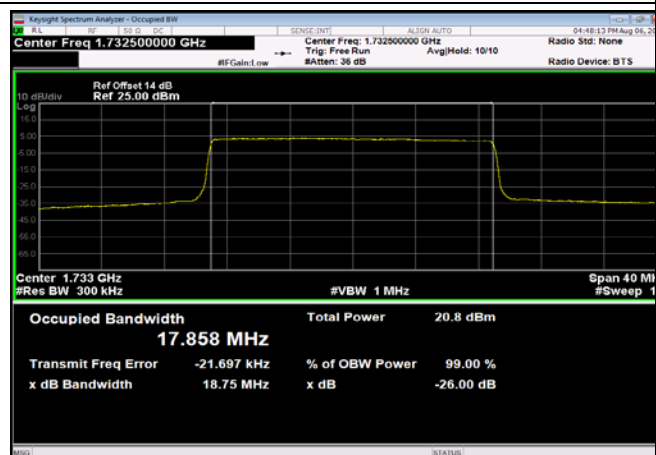
FDD04_MidRange_15MHz_1732.5MHz
_Q16

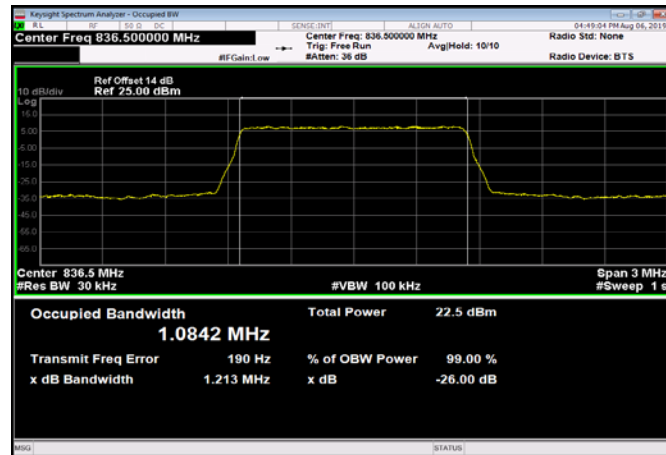
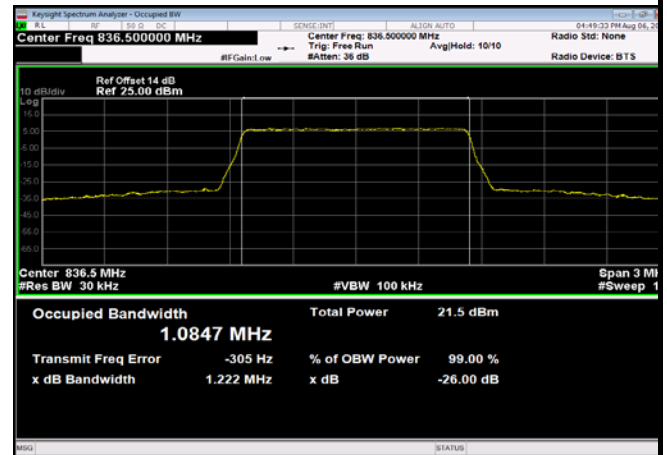


FDD04_MidRange_20MHz_1732.5MHz
_QPSK

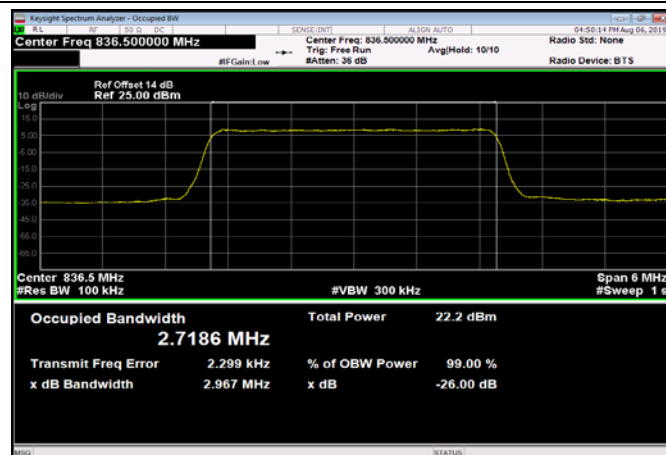


FDD04_MidRange_20MHz_1732.5MHz
_Q16

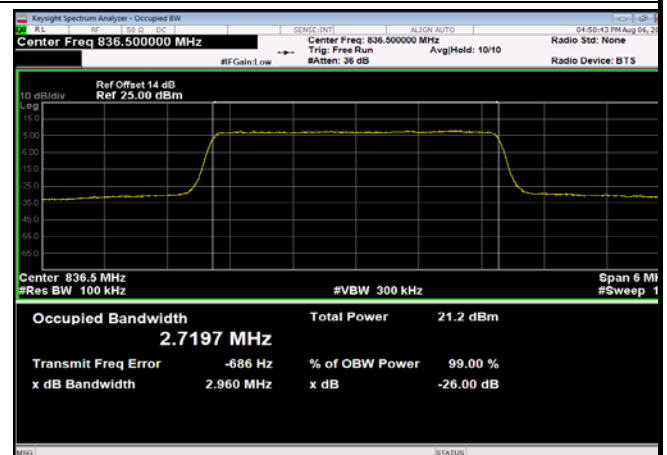


FDD05_MidRange_1.4MHz_836.5MHz
_QPSKFDD05_MidRange_1.4MHz_836.5MHz
_Q16

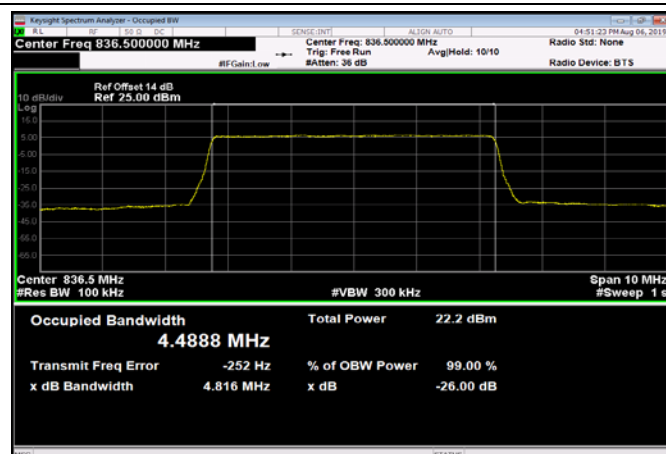
FDD05_MidRange_3MHz_836.5MHz_QPSK



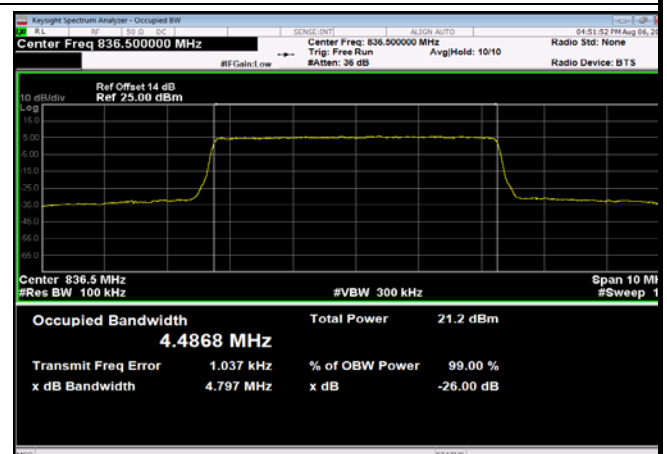
FDD05_MidRange_3MHz_836.5MHz_Q16



FDD05_MidRange_5MHz_836.5MHz_QPSK

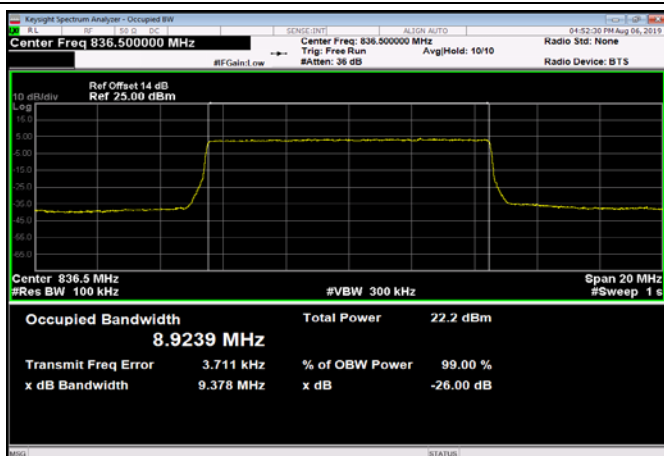


FDD05_MidRange_5MHz_836.5MHz_Q16

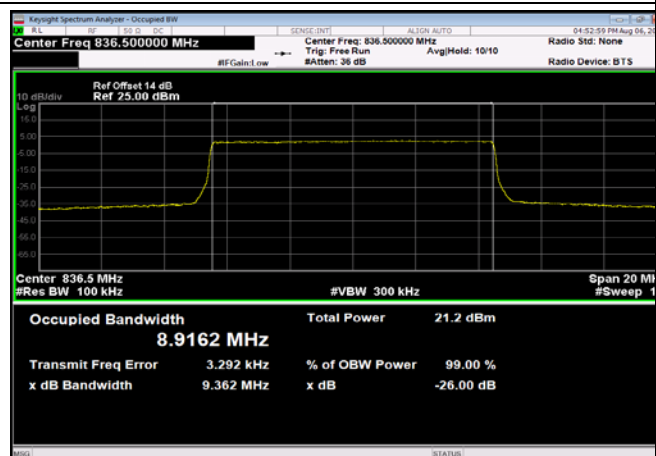




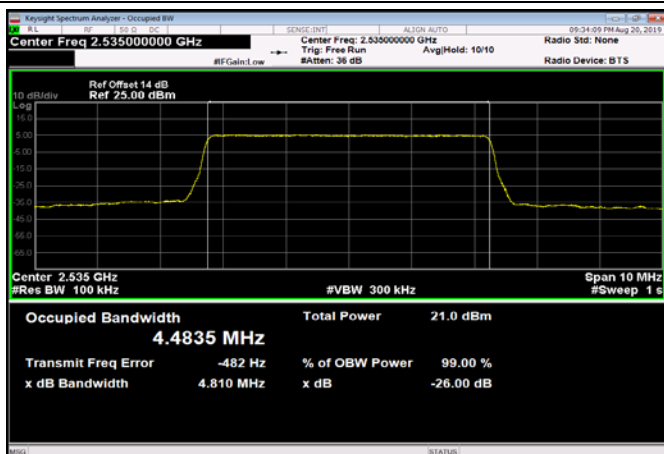
FDD05_MidRange_10MHz_836.5MHz_QPSK



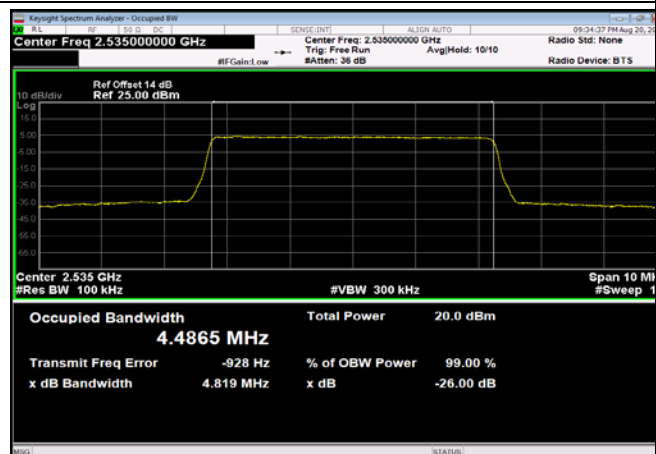
FDD05_MidRange_10MHz_836.5MHz_Q16



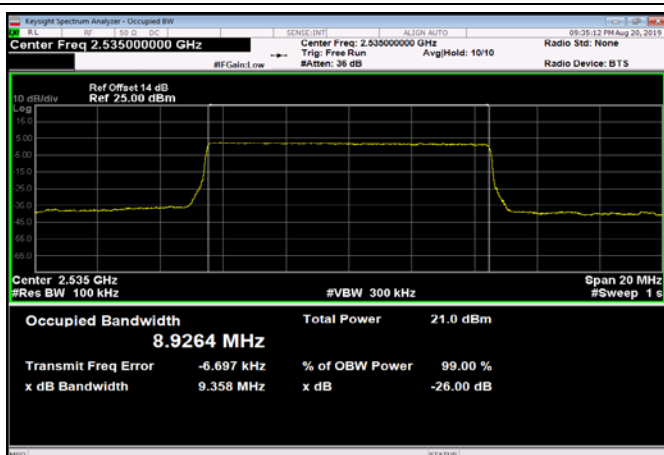
FDD07_MidRange_5MHz_2535MHz_QPSK



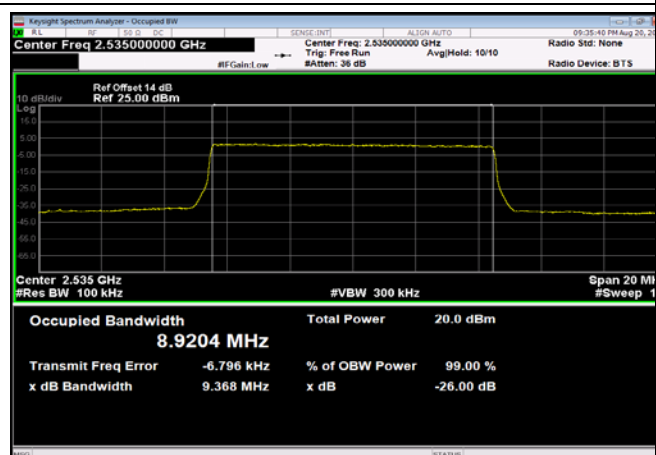
FDD07_MidRange_5MHz_2535MHz_Q16



FDD07_MidRange_10MHz_2535MHz_QPSK

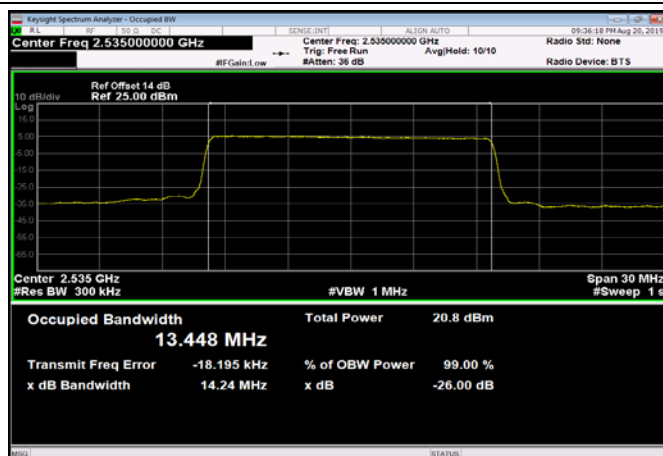


FDD07_MidRange_10MHz_2535MHz_Q16

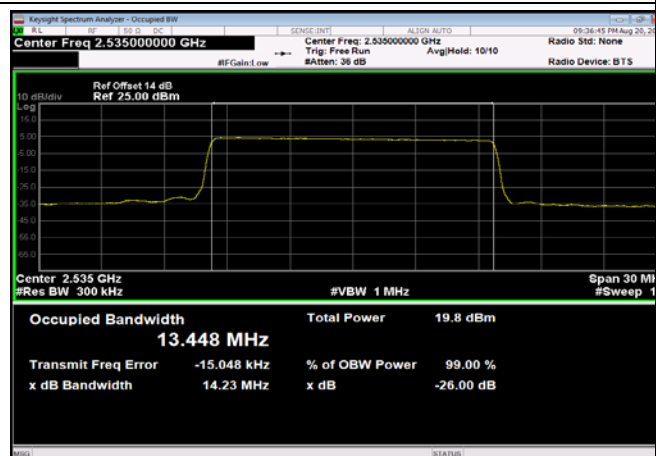




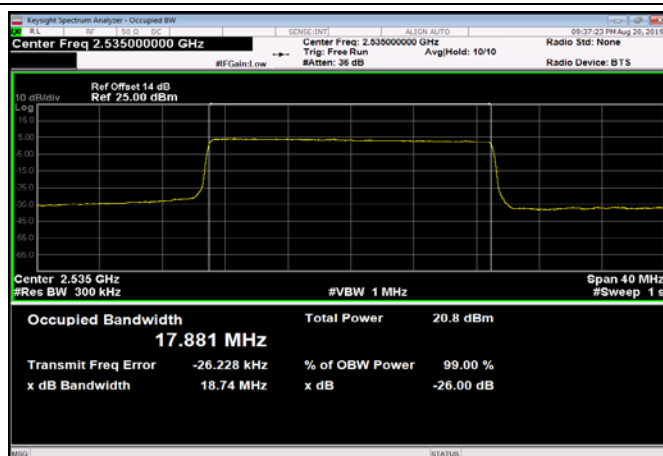
FDD07_MidRange_15MHz_2535MHz_QPSK



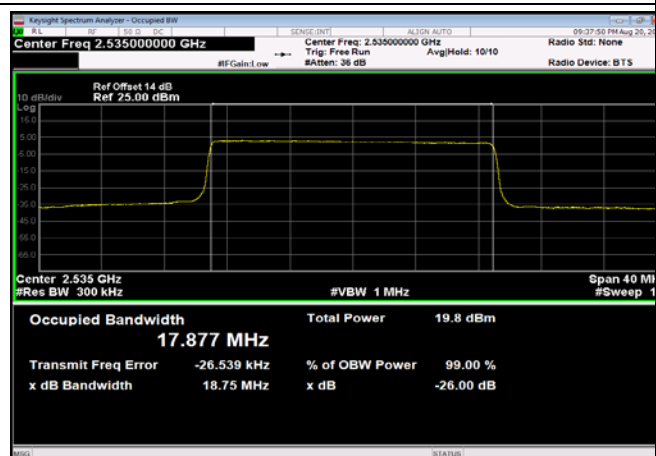
FDD07_MidRange_15MHz_2535MHz_Q16



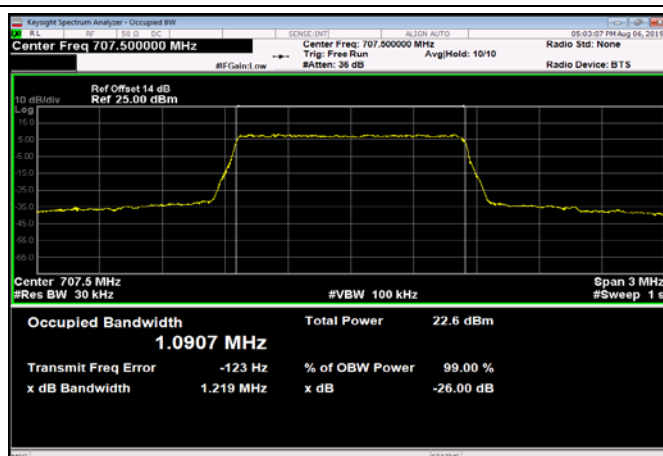
FDD07_MidRange_20MHz_2535MHz_QPSK



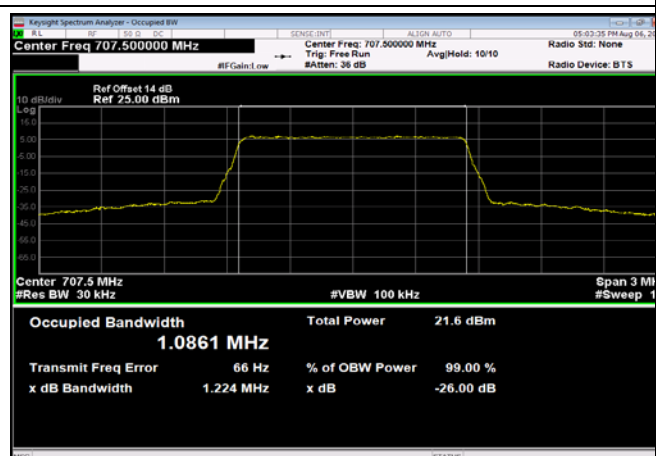
FDD07_MidRange_20MHz_2535MHz_Q16



FDD12_MidRange_1.4MHz_707.5MHz_QPSK

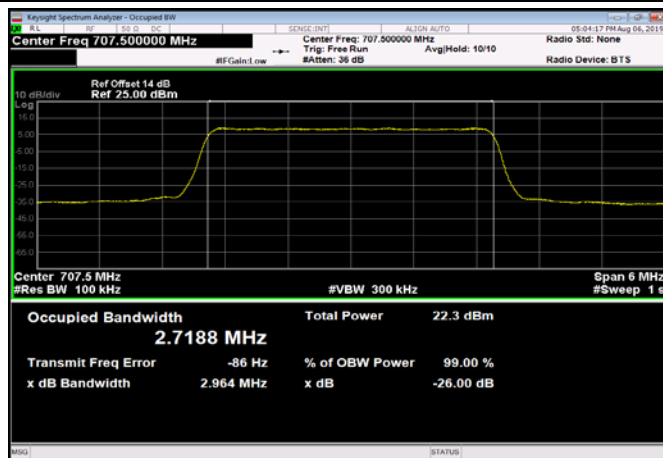


FDD12_MidRange_1.4MHz_707.5MHz_Q16

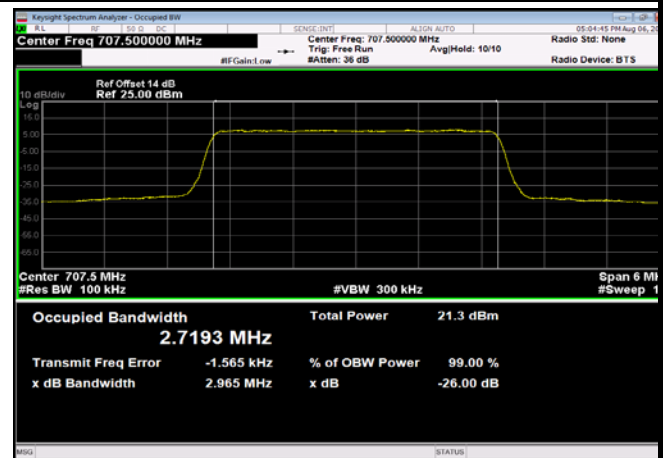




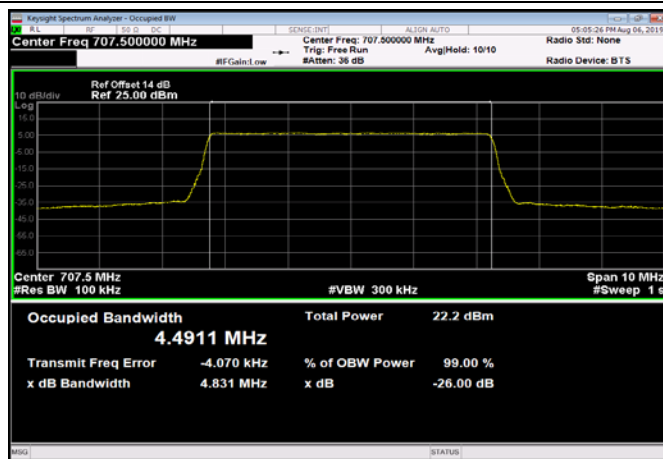
FDD12_MidRange_3MHz_707.5MHz_QPSK



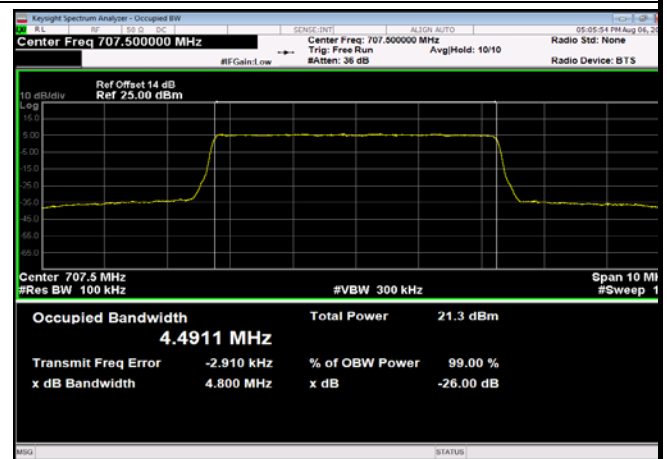
FDD12_MidRange_3MHz_707.5MHz_Q16



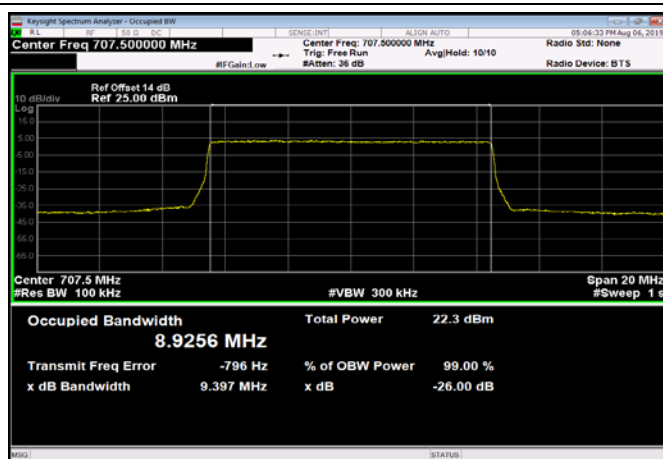
FDD12_MidRange_5MHz_707.5MHz_QPSK



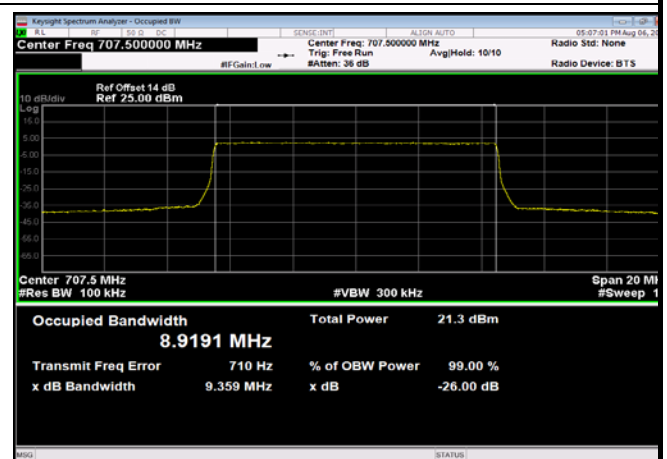
FDD12_MidRange_5MHz_707.5MHz_Q16



FDD12_MidRange_10MHz_707.5MHz_QPSK

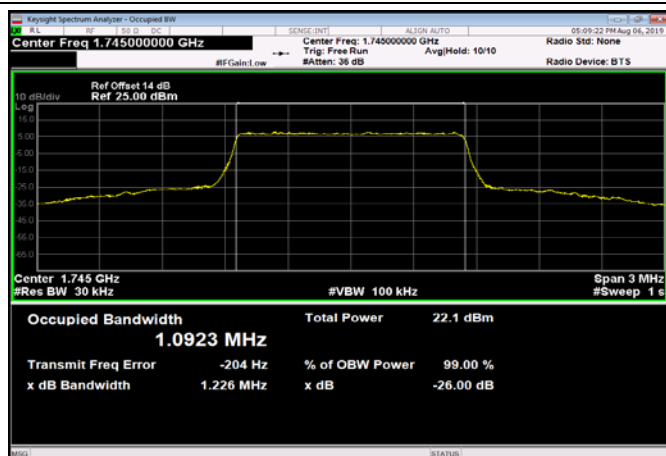


FDD12_MidRange_10MHz_707.5MHz_Q16

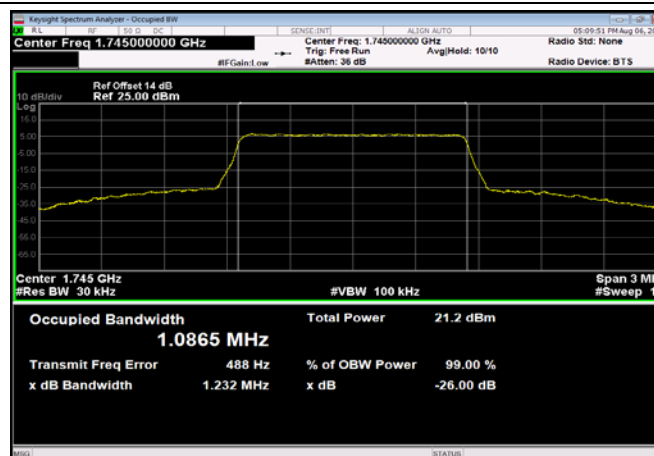




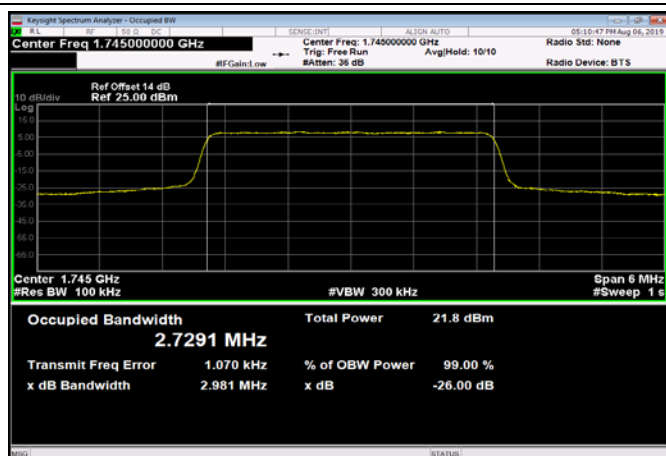
FDD66_MidRange_1.4MHz_1745MHz_QPSK



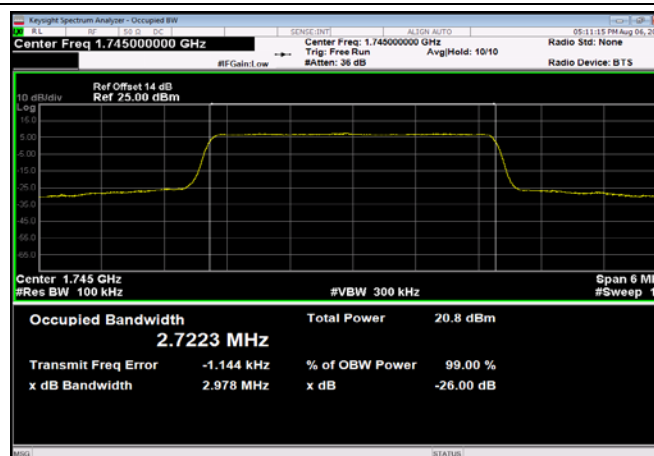
FDD66_MidRange_1.4MHz_1745MHz_Q16



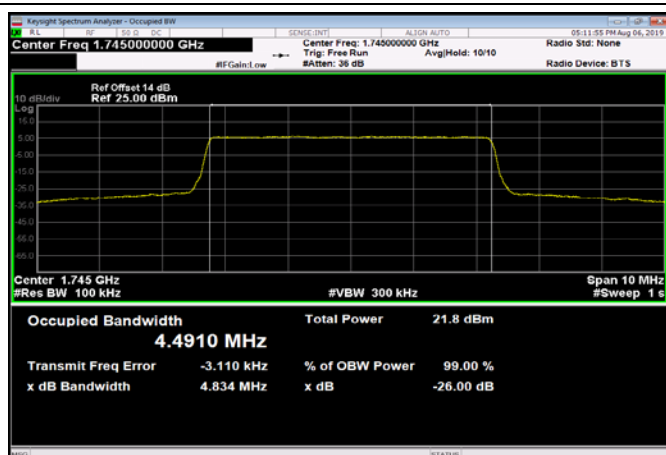
FDD66_MidRange_3MHz_1745MHz_QPSK



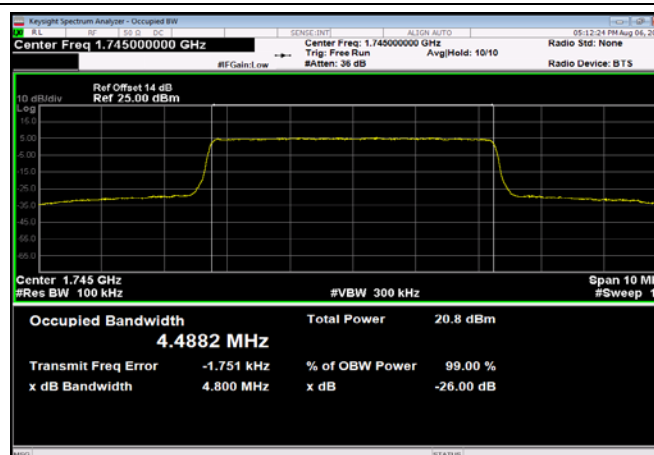
FDD66_MidRange_3MHz_1745MHz_Q16



FDD66_MidRange_5MHz_1745MHz_QPSK

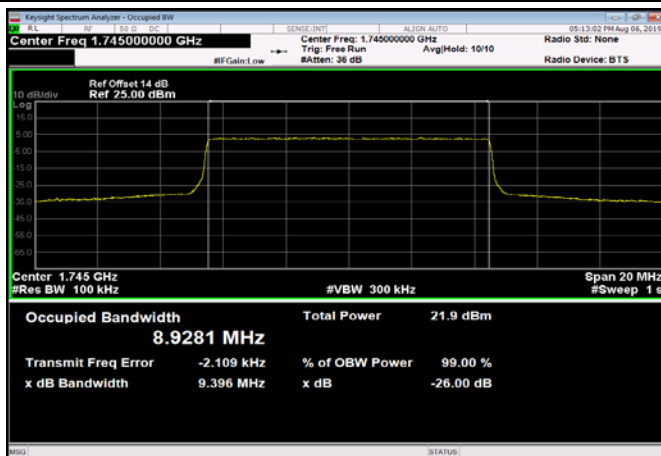


FDD66_MidRange_5MHz_1745MHz_Q16

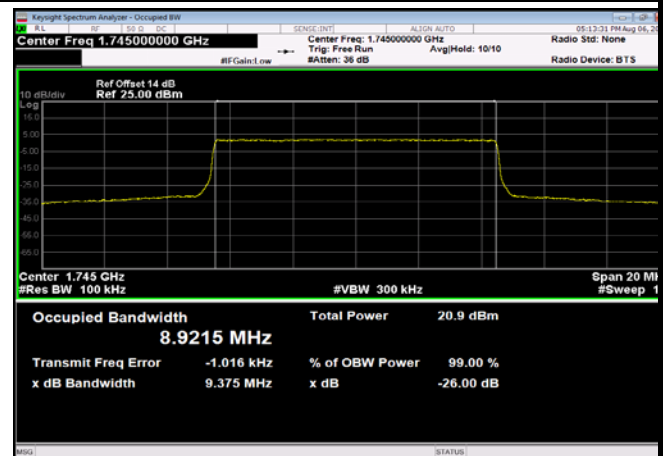




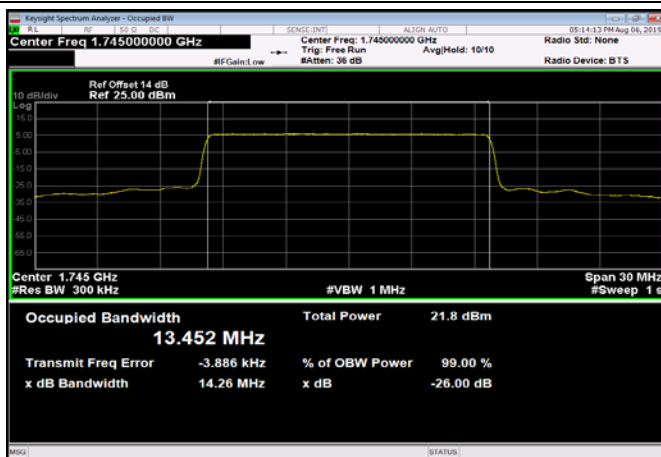
FDD66_MidRange_10MHz_1745MHz_QPSK



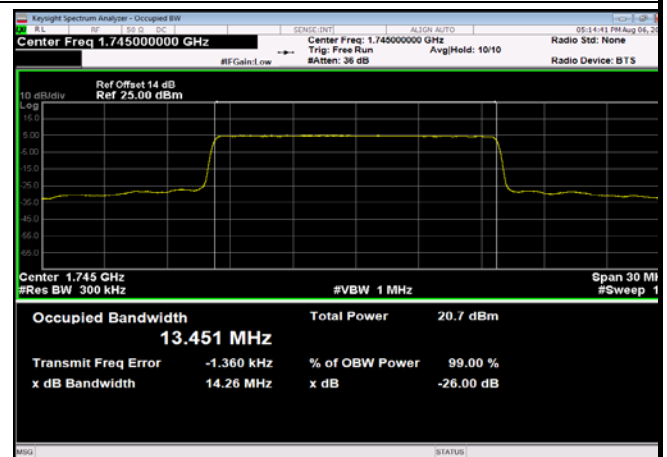
FDD66_MidRange_10MHz_1745MHz_Q16



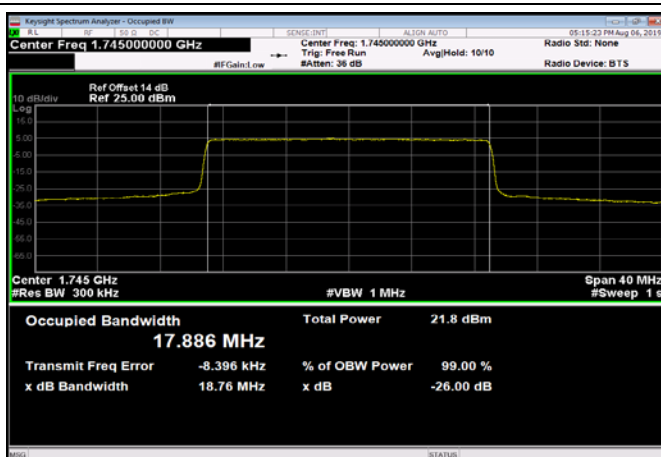
FDD66_MidRange_15MHz_1745MHz_QPSK



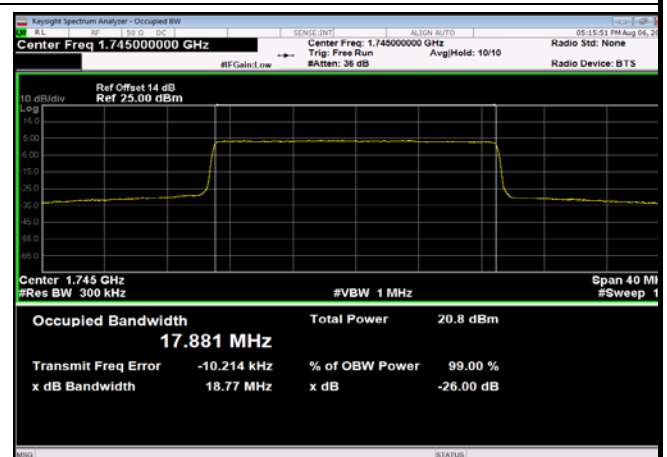
FDD66_MidRange_15MHz_1745MHz_Q16



FDD66_MidRange_20MHz_1745MHz_QPSK



FDD66_MidRange_20MHz_1745MHz_Q16





Frequency Stability

Test Result and Data

Frequency Stability NormalTC_NormalVol									
Temperature	Voltage	Band	BandWidth (MHz)	RbMode	Modulation	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
Normal	Low	FDD02	10	fullRB	QPSK	14.076	0.007	0.10	Pass
Normal	Normal	FDD02	10	fullRB	QPSK	13.733	0.007	0.10	Pass
Normal	High	FDD02	10	fullRB	QPSK	13.189	0.007	0.10	Pass
50	Normal	FDD02	10	fullRB	QPSK	15.235	0.008	0.10	Pass
40	Normal	FDD02	10	fullRB	QPSK	13.690	0.007	0.10	Pass
30	Normal	FDD02	10	fullRB	QPSK	12.989	0.007	0.10	Pass
20	Normal	FDD02	10	fullRB	QPSK	13.118	0.007	0.10	Pass
10	Normal	FDD02	10	fullRB	QPSK	14.362	0.008	0.10	Pass
0	Normal	FDD02	10	fullRB	QPSK	11.344	0.006	0.10	Pass
-10	Normal	FDD02	10	fullRB	QPSK	10.328	0.005	0.10	Pass
-20	Normal	FDD02	10	fullRB	QPSK	9.999	0.005	0.10	Pass
-30	Normal	FDD02	10	fullRB	QPSK	10.486	0.006	0.10	Pass
Normal	Low	FDD04	10	fullRB	QPSK	8.340	0.005	0.10	Pass
Normal	Normal	FDD04	10	fullRB	QPSK	6.437	0.004	0.10	Pass
Normal	High	FDD04	10	fullRB	QPSK	-6.995	0.004	0.10	Pass
50	Normal	FDD04	10	fullRB	QPSK	5.250	0.003	0.10	Pass
40	Normal	FDD04	10	fullRB	QPSK	-7.052	0.004	0.10	Pass
30	Normal	FDD04	10	fullRB	QPSK	8.826	0.005	0.10	Pass
20	Normal	FDD04	10	fullRB	QPSK	8.740	0.005	0.10	Pass
10	Normal	FDD04	10	fullRB	QPSK	6.380	0.004	0.10	Pass
0	Normal	FDD04	10	fullRB	QPSK	-7.138	0.004	0.10	Pass
-10	Normal	FDD04	10	fullRB	QPSK	7.281	0.004	0.10	Pass
-20	Normal	FDD04	10	fullRB	QPSK	7.539	0.004	0.10	Pass
-30	Normal	FDD04	10	fullRB	QPSK	7.095	0.004	0.10	Pass
Normal	Low	FDD05	10	fullRB	QPSK	-8.283	0.010	0.10	Pass
Normal	Normal	FDD05	10	fullRB	QPSK	-7.825	0.009	0.10	Pass
Normal	High	FDD05	10	fullRB	QPSK	-7.396	0.009	0.10	Pass



50	Normal	FDD05	10	fullRB	QPSK	-6.495	0.008	0.10	Pass
40	Normal	FDD05	10	fullRB	QPSK	-8.025	0.010	0.10	Pass
30	Normal	FDD05	10	fullRB	QPSK	-7.839	0.009	0.10	Pass
20	Normal	FDD05	10	fullRB	QPSK	-8.755	0.010	0.10	Pass
10	Normal	FDD05	10	fullRB	QPSK	-6.552	0.008	0.10	Pass
0	Normal	FDD05	10	fullRB	QPSK	-7.753	0.009	0.10	Pass
-10	Normal	FDD05	10	fullRB	QPSK	-7.939	0.009	0.10	Pass
-20	Normal	FDD05	10	fullRB	QPSK	-8.669	0.010	0.10	Pass
-30	Normal	FDD05	10	fullRB	QPSK	-7.238	0.009	0.10	Pass
Normal	Low	FDD07	10	fullRB	QPSK	-11.172	0.004	0.10	Pass
Normal	Normal	FDD07	10	fullRB	QPSK	-13.103	0.005	0.10	Pass
Normal	High	FDD07	10	fullRB	QPSK	-12.431	0.005	0.10	Pass
50	Normal	FDD07	10	fullRB	QPSK	11.415	0.005	0.10	Pass
40	Normal	FDD07	10	fullRB	QPSK	-12.031	0.005	0.10	Pass
30	Normal	FDD07	10	fullRB	QPSK	-11.430	0.005	0.10	Pass
20	Normal	FDD07	10	fullRB	QPSK	-11.401	0.004	0.10	Pass
10	Normal	FDD07	10	fullRB	QPSK	-13.905	0.005	0.10	Pass
0	Normal	FDD07	10	fullRB	QPSK	11.287	0.004	0.10	Pass
-10	Normal	FDD07	10	fullRB	QPSK	-8.898	0.004	0.10	Pass
-20	Normal	FDD07	10	fullRB	QPSK	-10.471	0.004	0.10	Pass
-30	Normal	FDD07	10	fullRB	QPSK	-13.604	0.005	0.10	Pass
Normal	Low	FDD12	10	fullRB	QPSK	-9.670	0.014	0.10	Pass
Normal	Normal	FDD12	10	fullRB	QPSK	-9.327	0.013	0.10	Pass
Normal	High	FDD12	10	fullRB	QPSK	-7.095	0.010	0.10	Pass
50	Normal	FDD12	10	fullRB	QPSK	-9.198	0.013	0.10	Pass
40	Normal	FDD12	10	fullRB	QPSK	-6.280	0.009	0.10	Pass
30	Normal	FDD12	10	fullRB	QPSK	-6.638	0.009	0.10	Pass
20	Normal	FDD12	10	fullRB	QPSK	-5.107	0.007	0.10	Pass
10	Normal	FDD12	10	fullRB	QPSK	-7.796	0.011	0.10	Pass
0	Normal	FDD12	10	fullRB	QPSK	-8.011	0.011	0.10	Pass
-10	Normal	FDD12	10	fullRB	QPSK	-5.565	0.008	0.10	Pass
-20	Normal	FDD12	10	fullRB	QPSK	-8.469	0.012	0.10	Pass



-30	Normal	FDD12	10	fullIRB	QPSK	-7.153	0.010	0.10	Pass
Normal	Low	FDD66	10	fullIRB	QPSK	5.836	0.003	0.10	Pass
Normal	Normal	FDD66	10	fullIRB	QPSK	3.047	0.002	0.10	Pass
Normal	High	FDD66	10	fullIRB	QPSK	7.625	0.004	0.10	Pass
50	Normal	FDD66	10	fullIRB	QPSK	5.808	0.003	0.10	Pass
40	Normal	FDD66	10	fullIRB	QPSK	-7.496	0.004	0.10	Pass
30	Normal	FDD66	10	fullIRB	QPSK	-4.249	0.002	0.10	Pass
20	Normal	FDD66	10	fullIRB	QPSK	-4.063	0.002	0.10	Pass
10	Normal	FDD66	10	fullIRB	QPSK	6.595	0.004	0.10	Pass
0	Normal	FDD66	10	fullIRB	QPSK	7.825	0.004	0.10	Pass
-10	Normal	FDD66	10	fullIRB	QPSK	6.094	0.003	0.10	Pass
-20	Normal	FDD66	10	fullIRB	QPSK	4.535	0.003	0.10	Pass
-30	Normal	FDD66	10	fullIRB	QPSK	-7.954	0.005	0.10	Pass

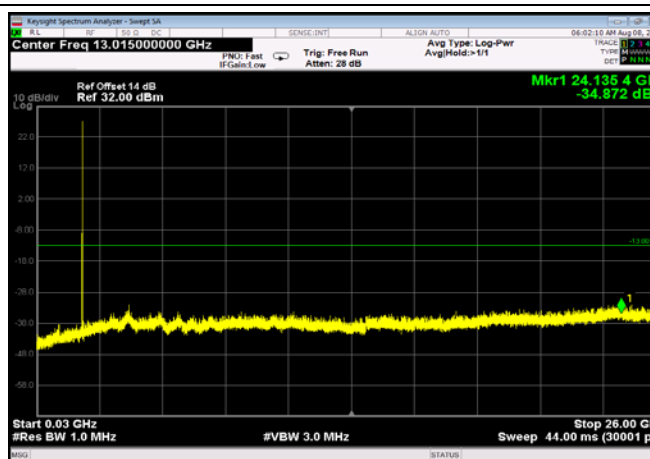
Note: Normal=3.85V, Low=3.5V, High=4.2V



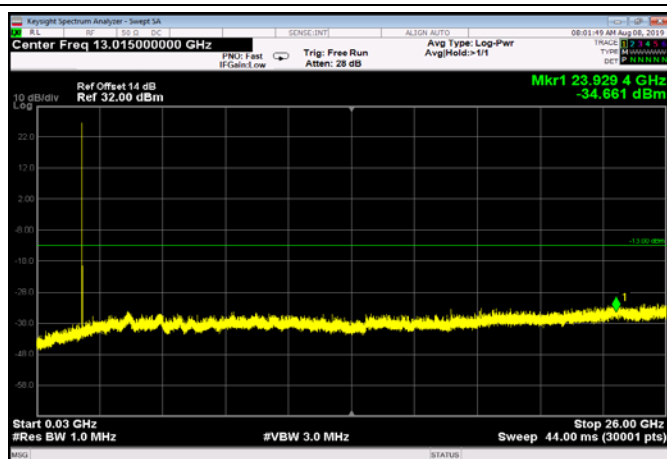
Conducted Out of Band Emissions

Test Result and Data

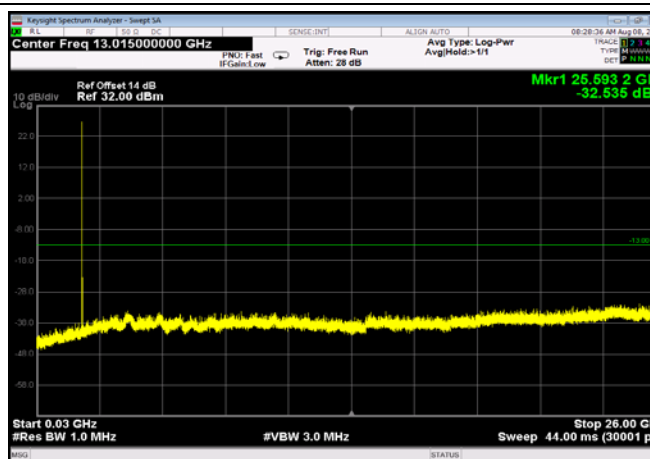
FDD02_HighRange_1.4MHz_30MHz~26GHz



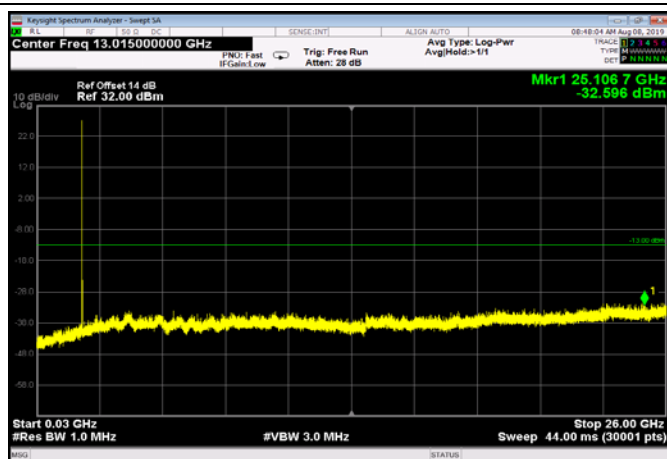
FDD02_HighRange_10MHz_30MHz~26GHz



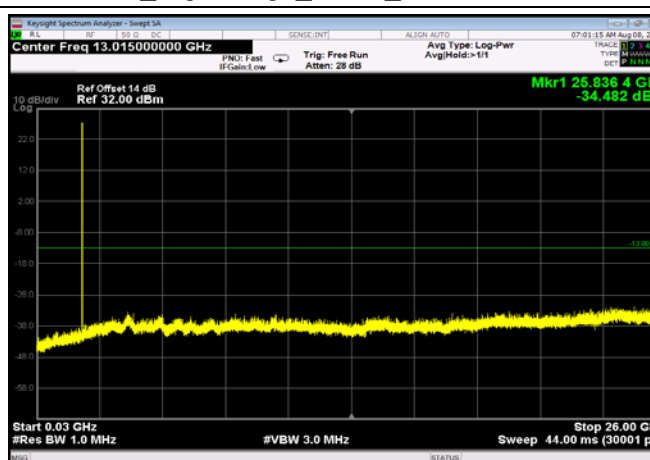
FDD02_HighRange_15MHz_30MHz~26GHz



FDD02_HighRange_20MHz_30MHz~26GHz



FDD02_HighRange_3MHz_30MHz~26GHz



FDD02_HighRange_5MHz_30MHz~26GHz

