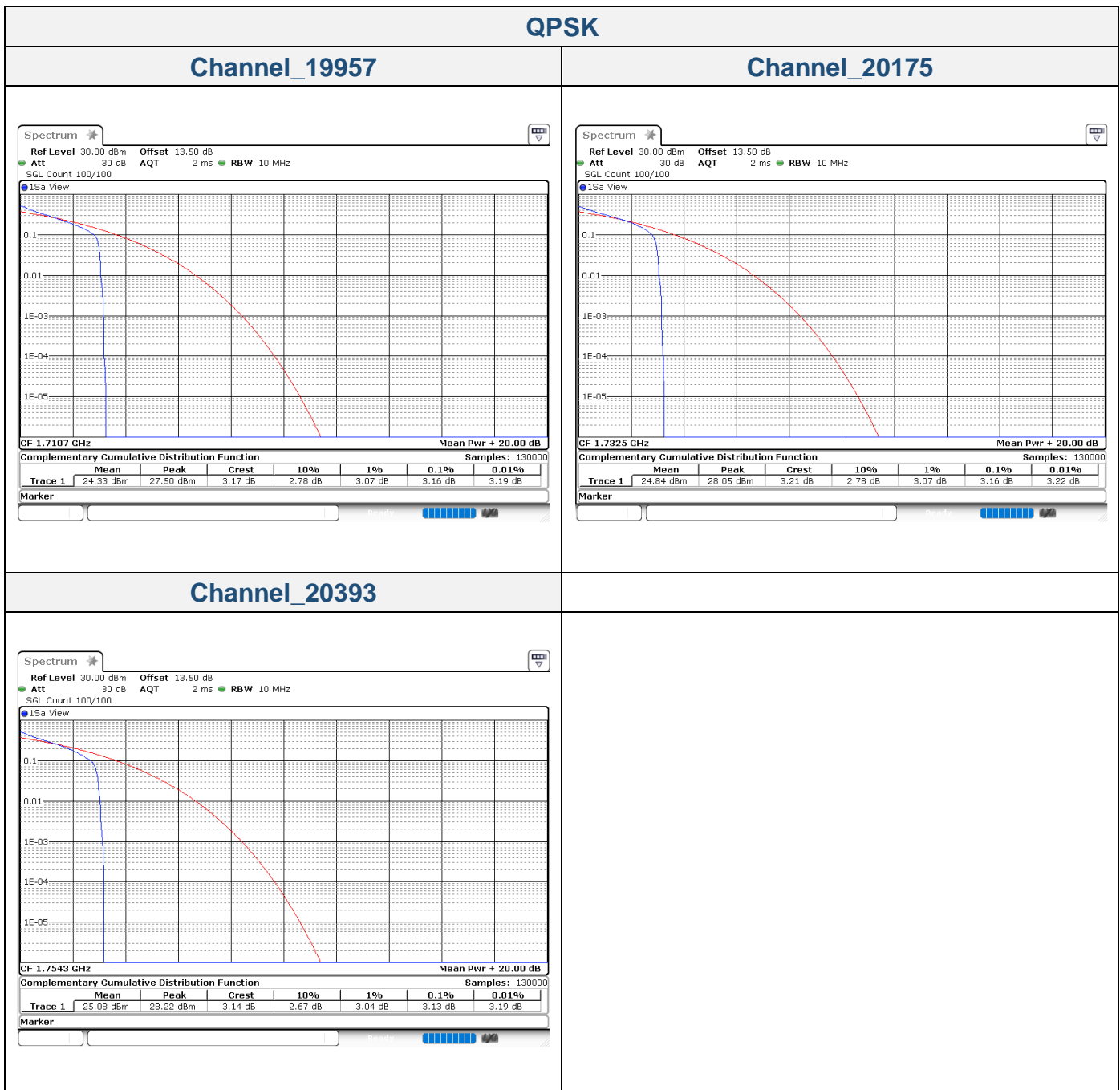


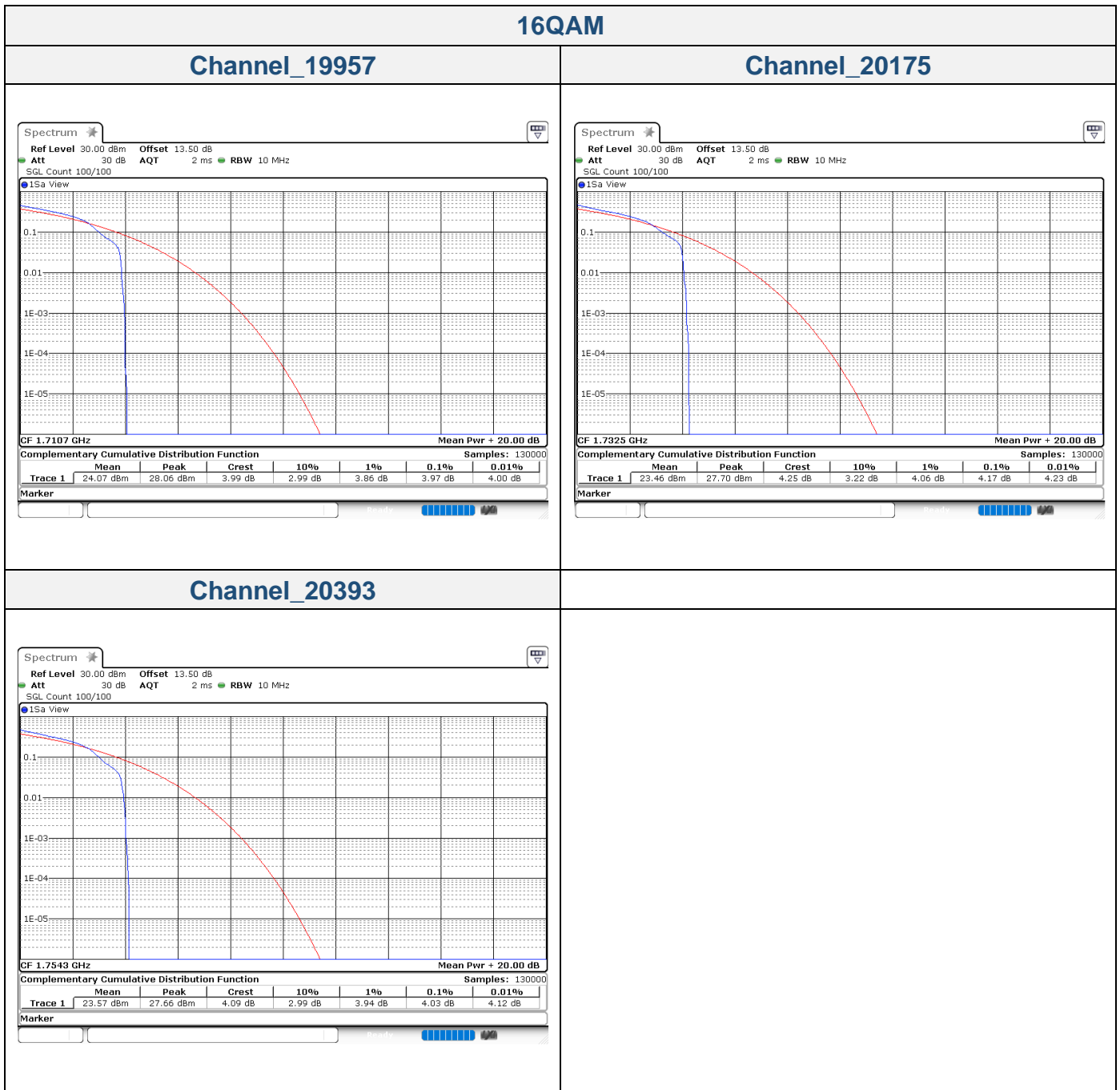
Appendix A: Test Results of Conducted Test

Peak to Average Ratio

LTE Band 4 _ Channel Bandwidth: 1.4 MHz

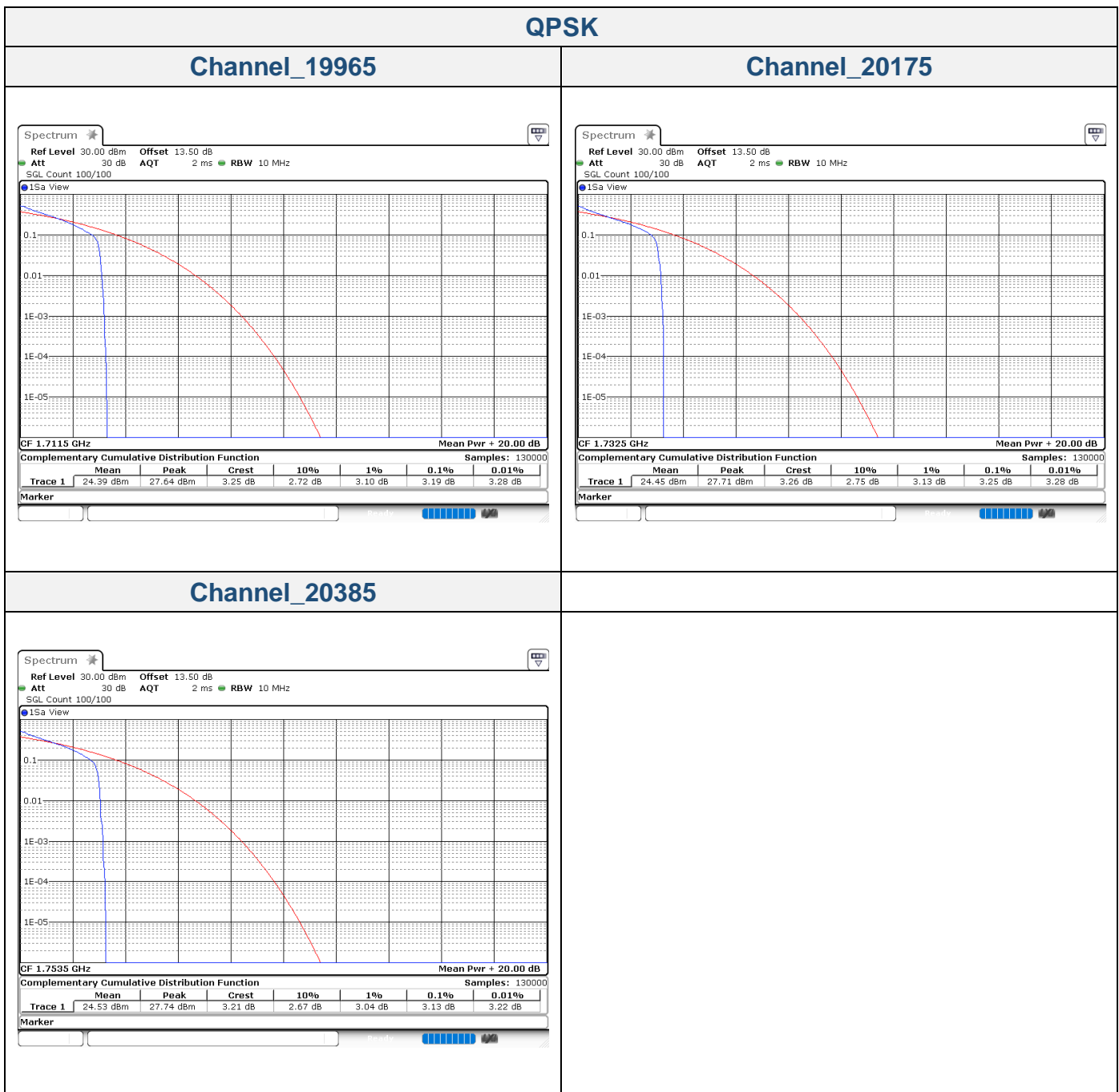
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
19957	1710.7	3.16	3.97
20175	1732.5	3.16	4.17
20393	1754.3	3.13	4.03

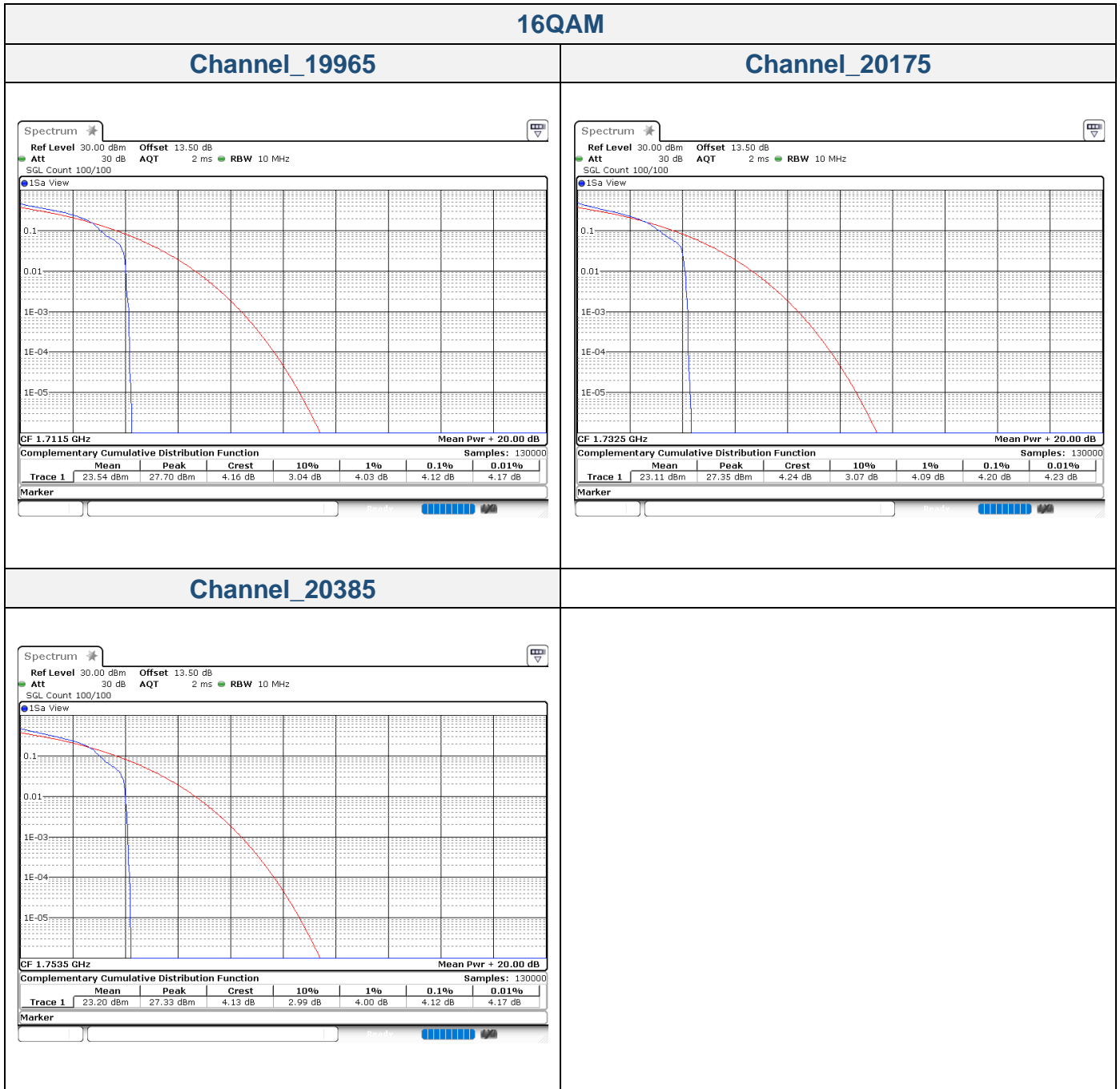




LTE Band 4 _ Channel Bandwidth: 3 MHz

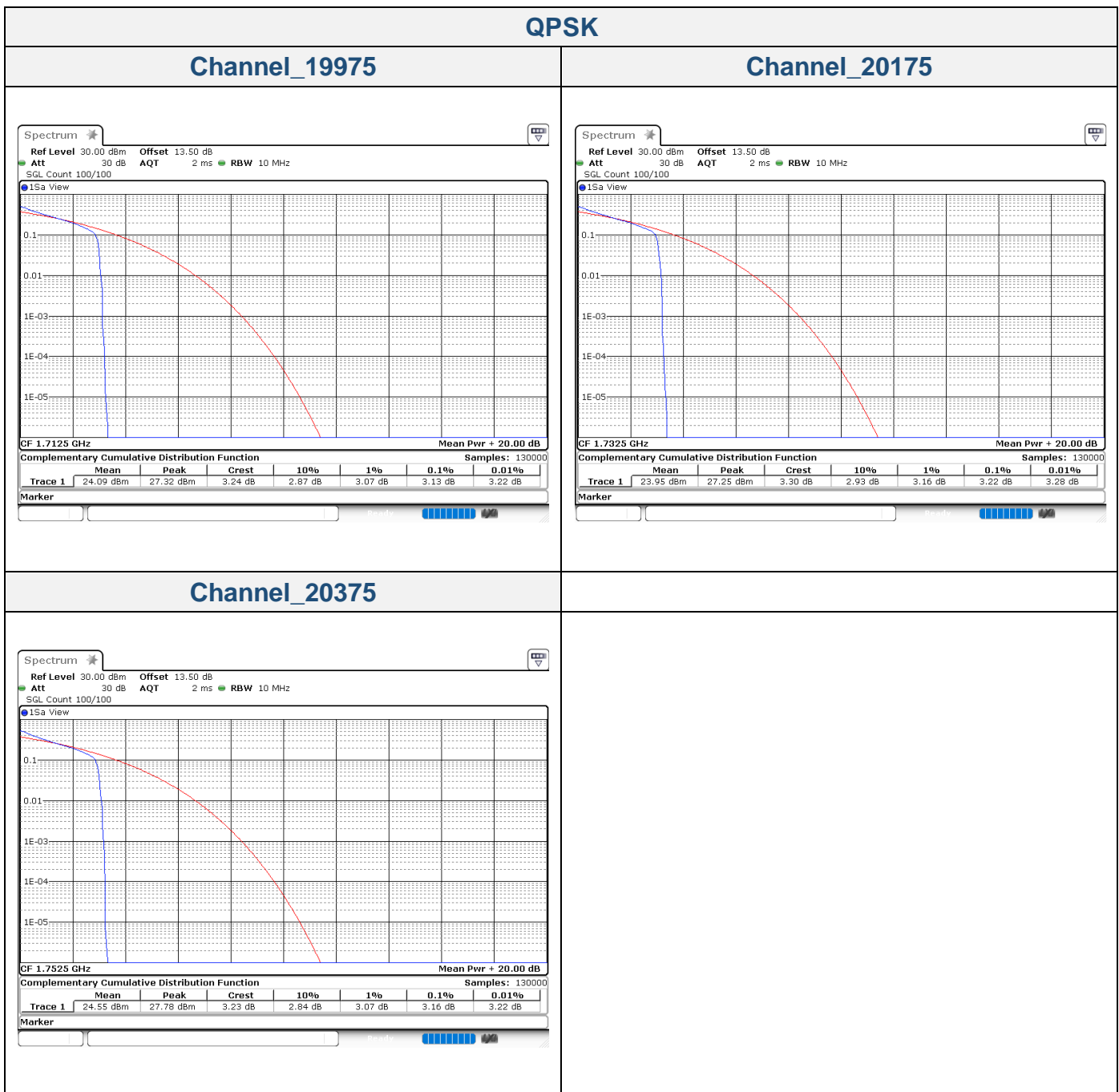
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
19965	1711.5	3.19	4.12
20175	1732.5	3.25	4.20
20385	1753.5	3.13	4.12

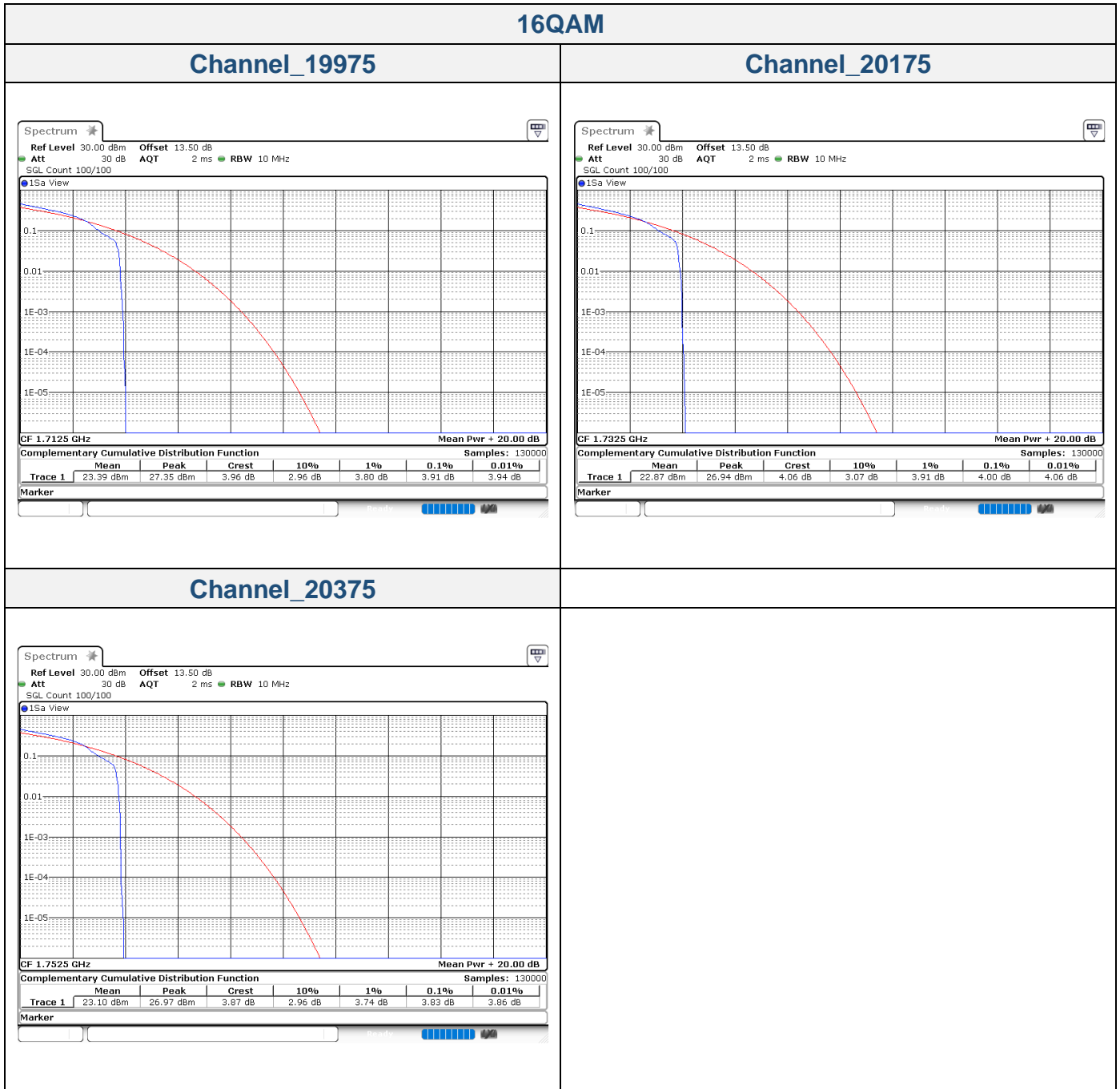




LTE Band 4 _ Channel Bandwidth: 5 MHz

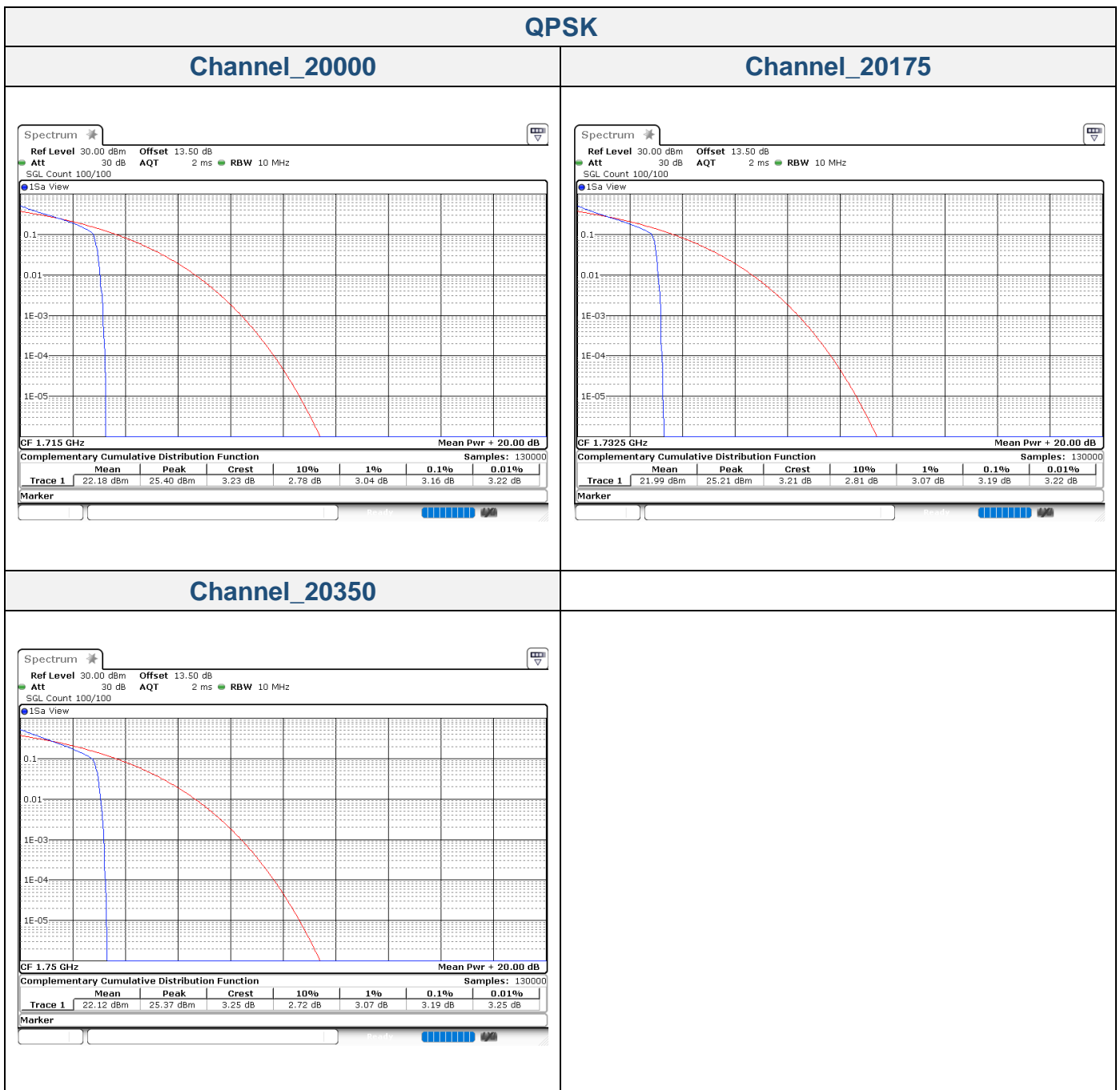
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
19975	1712.5	3.13	3.91
20175	1732.5	3.22	4.00
20375	1752.5	3.16	3.83





LTE Band 4 _ Channel Bandwidth: 10 MHz

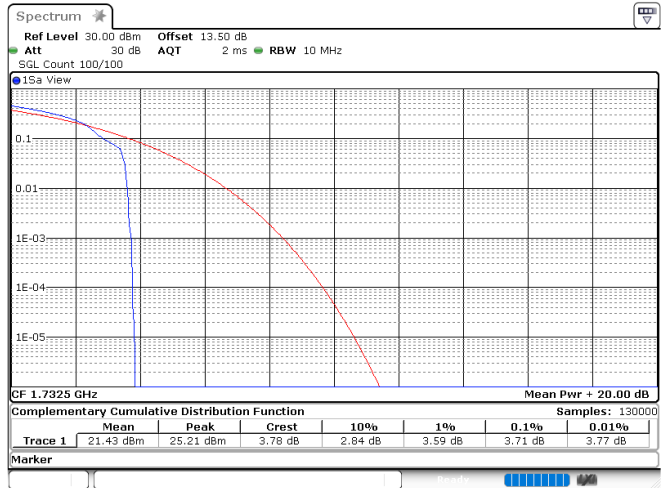
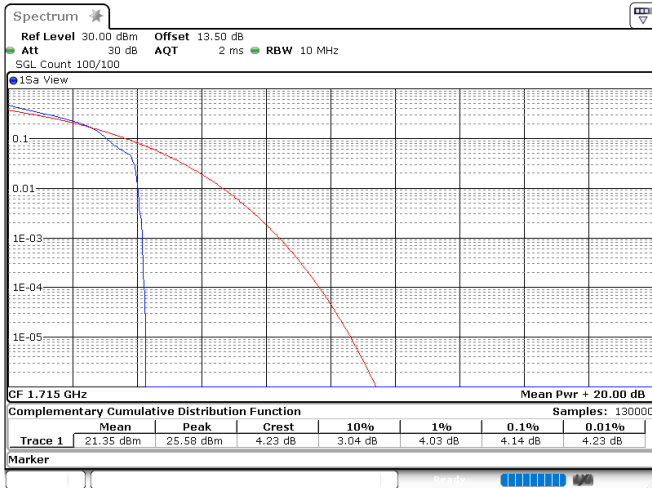
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
20000	1715.0	3.16	4.14
20175	1732.5	3.19	3.71
20350	1750.0	3.19	4.06



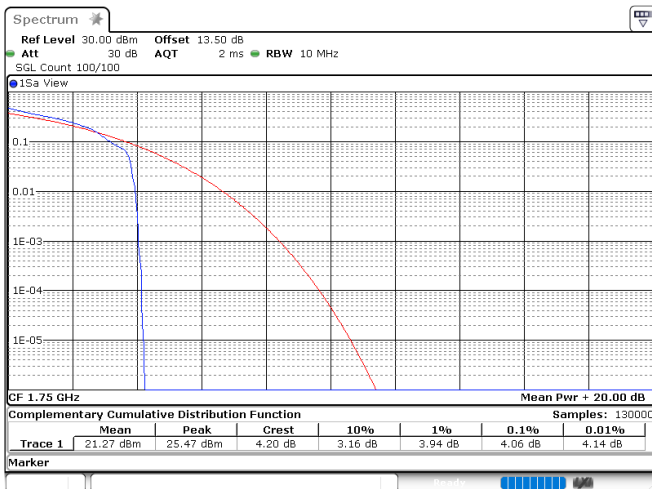
16QAM

Channel_20000

Channel_20175

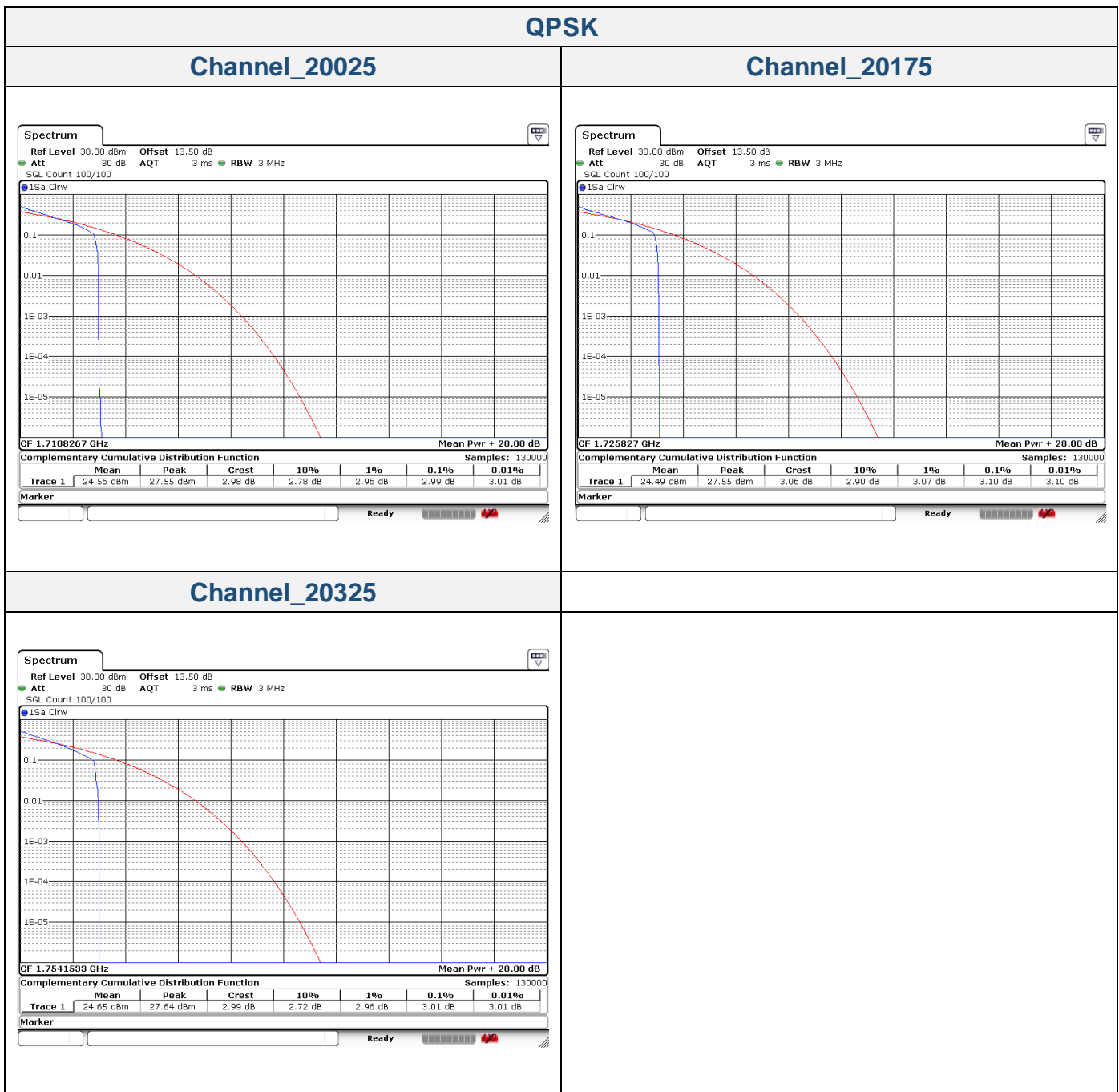


Channel_20350



LTE Band 4 _ Channel Bandwidth: 15 MHz

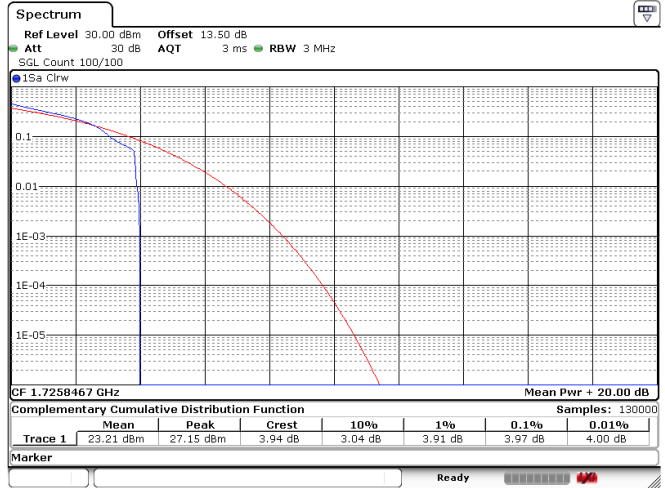
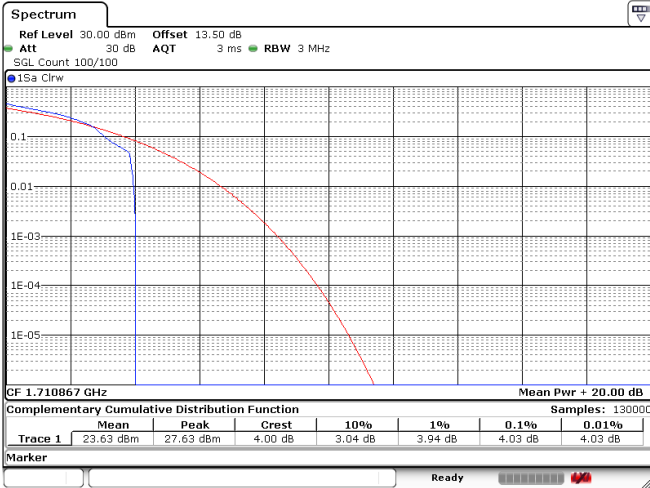
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
20025	1717.5	2.99	4.03
20175	1732.5	3.10	3.97
20325	1747.5	3.01	3.88



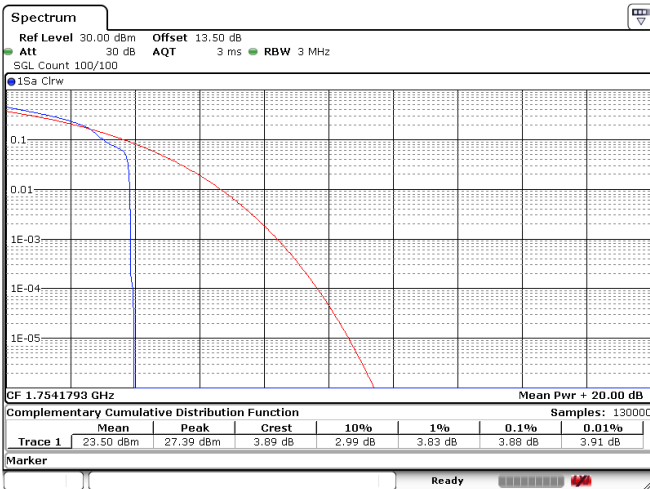
16QAM

Channel_20025

Channel_20175

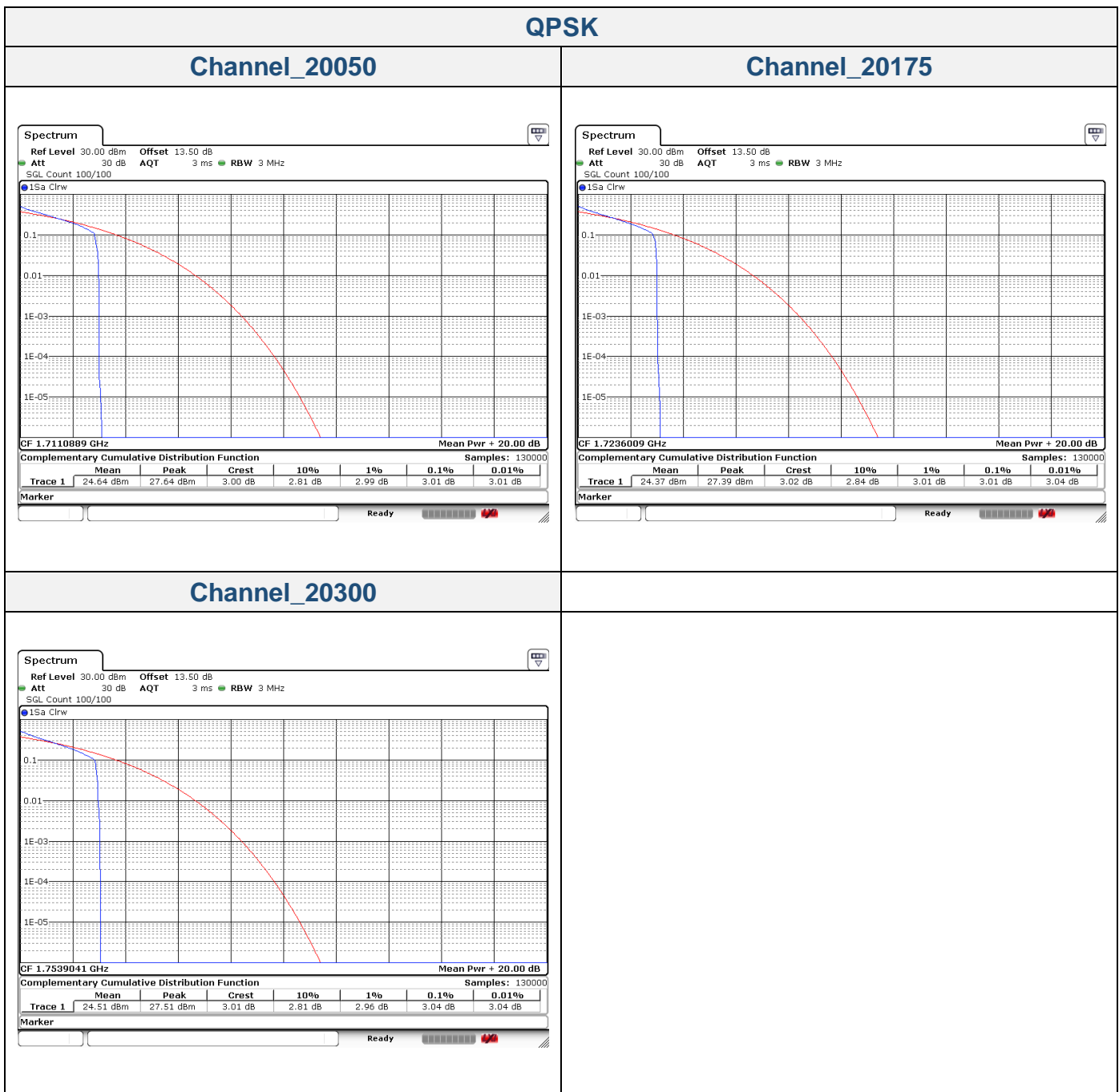


Channel_20325



LTE Band 4 _ Channel Bandwidth: 20 MHz

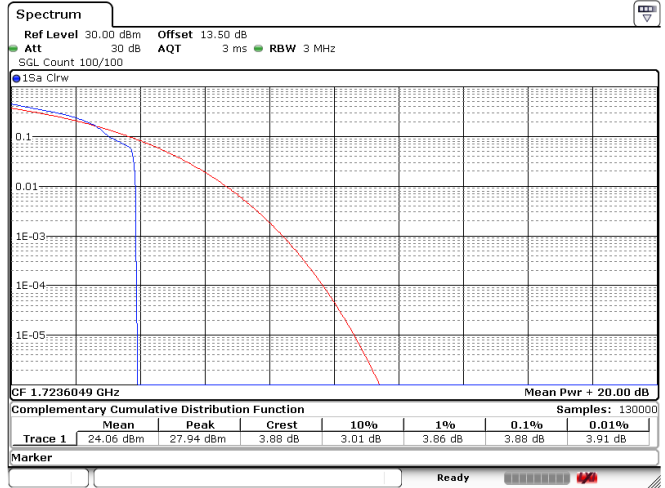
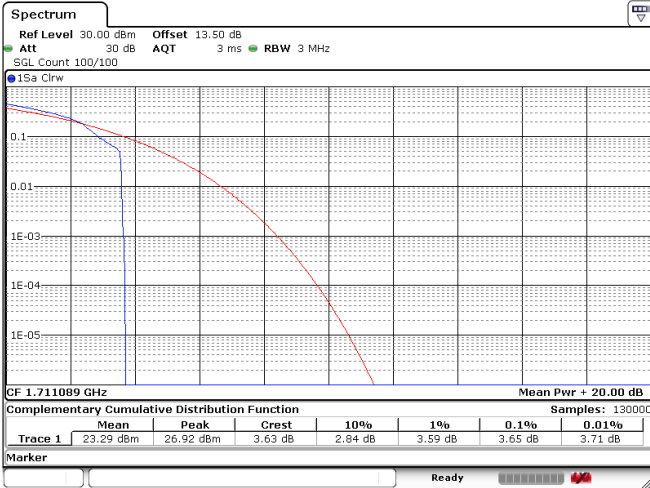
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
20050	1720.0	3.01	3.65
20175	1732.5	3.01	3.88
20300	1745.0	3.04	3.91



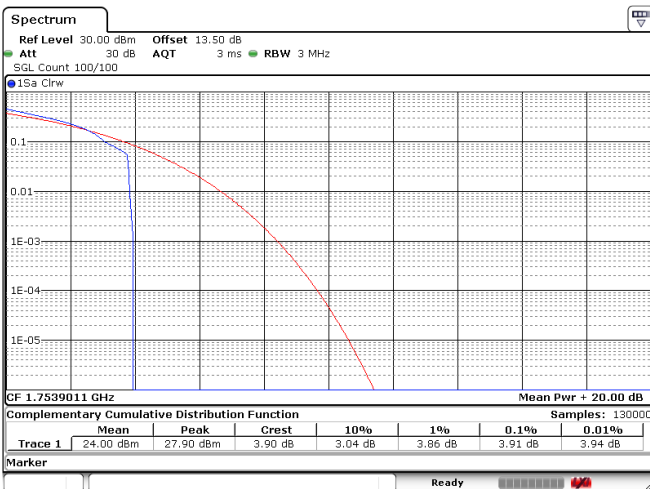
16QAM

Channel_20050

Channel_20175

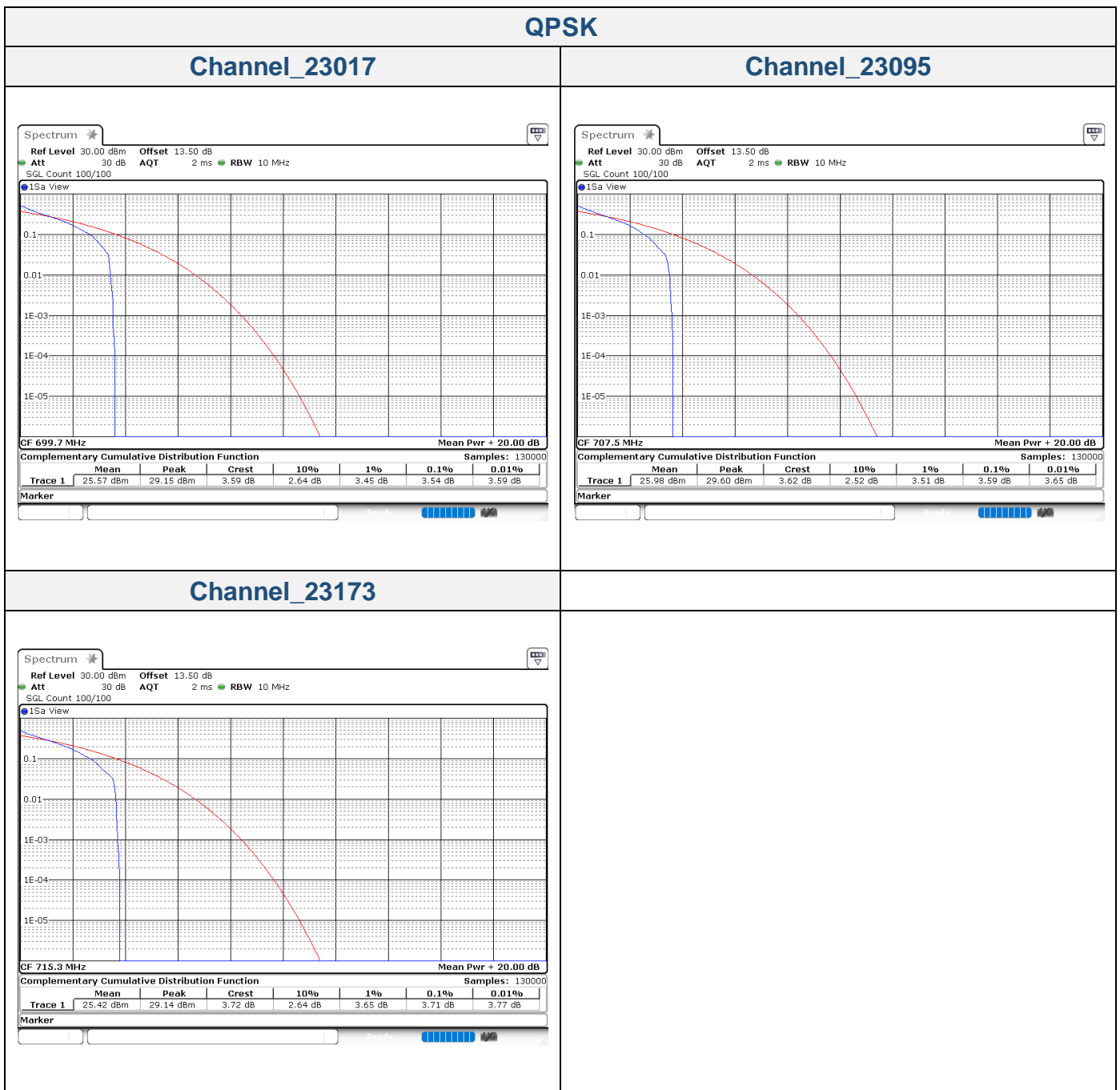


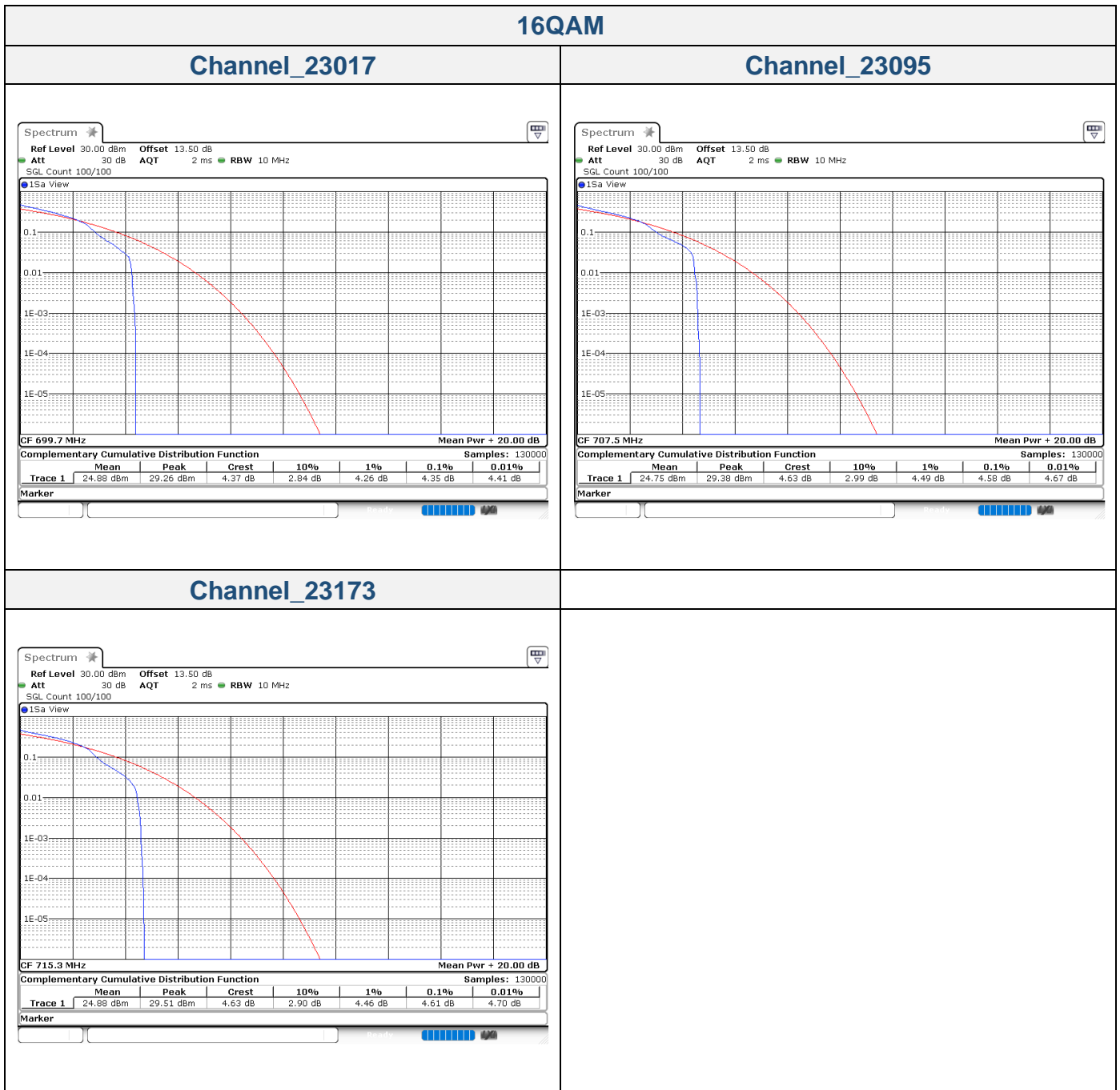
Channel_20300



LTE Band 12 _ Channel Bandwidth: 1.4 MHz

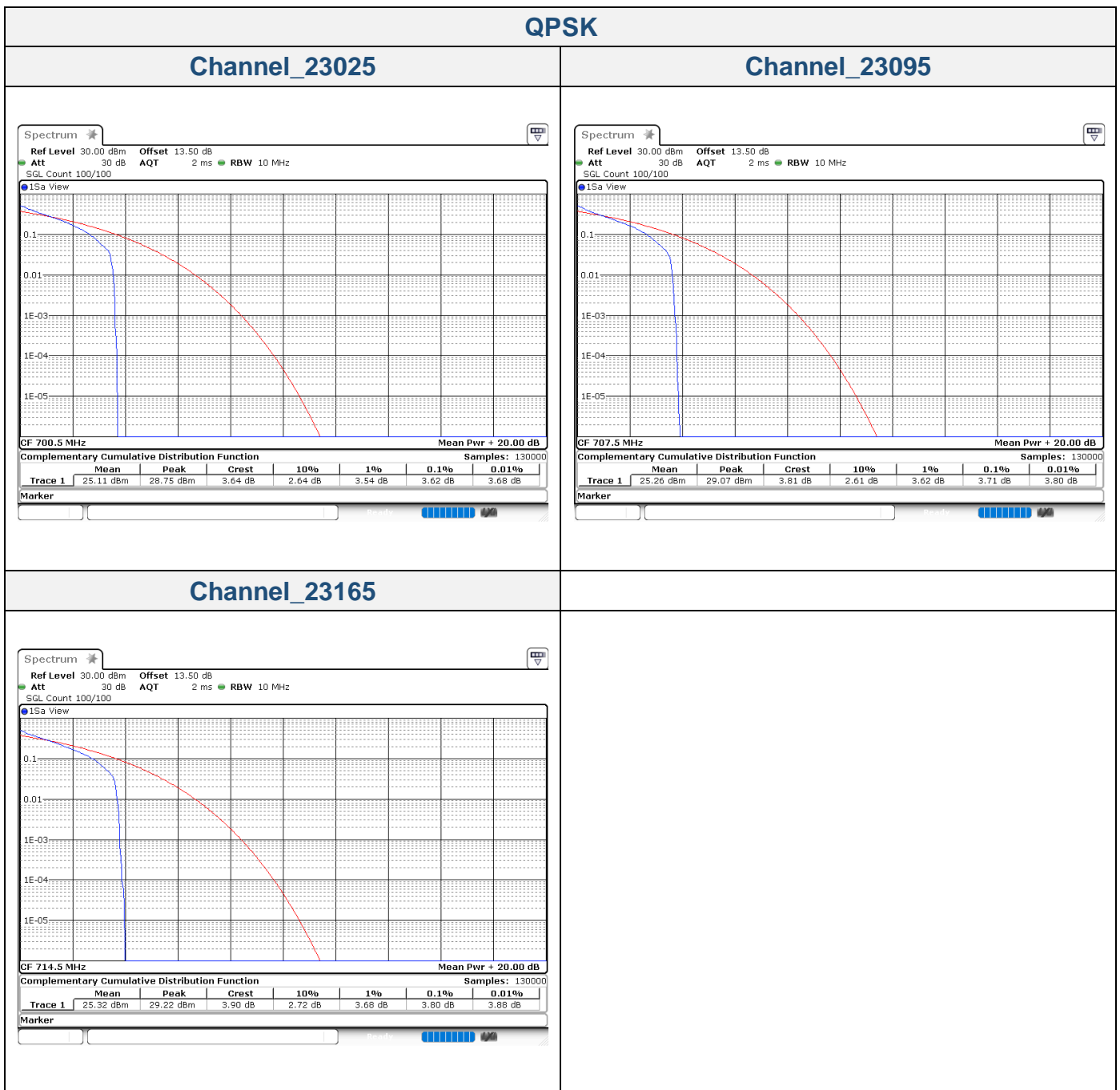
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23017	699.7	3.54	4.35
23095	707.5	3.59	4.58
23173	715.3	3.71	4.61

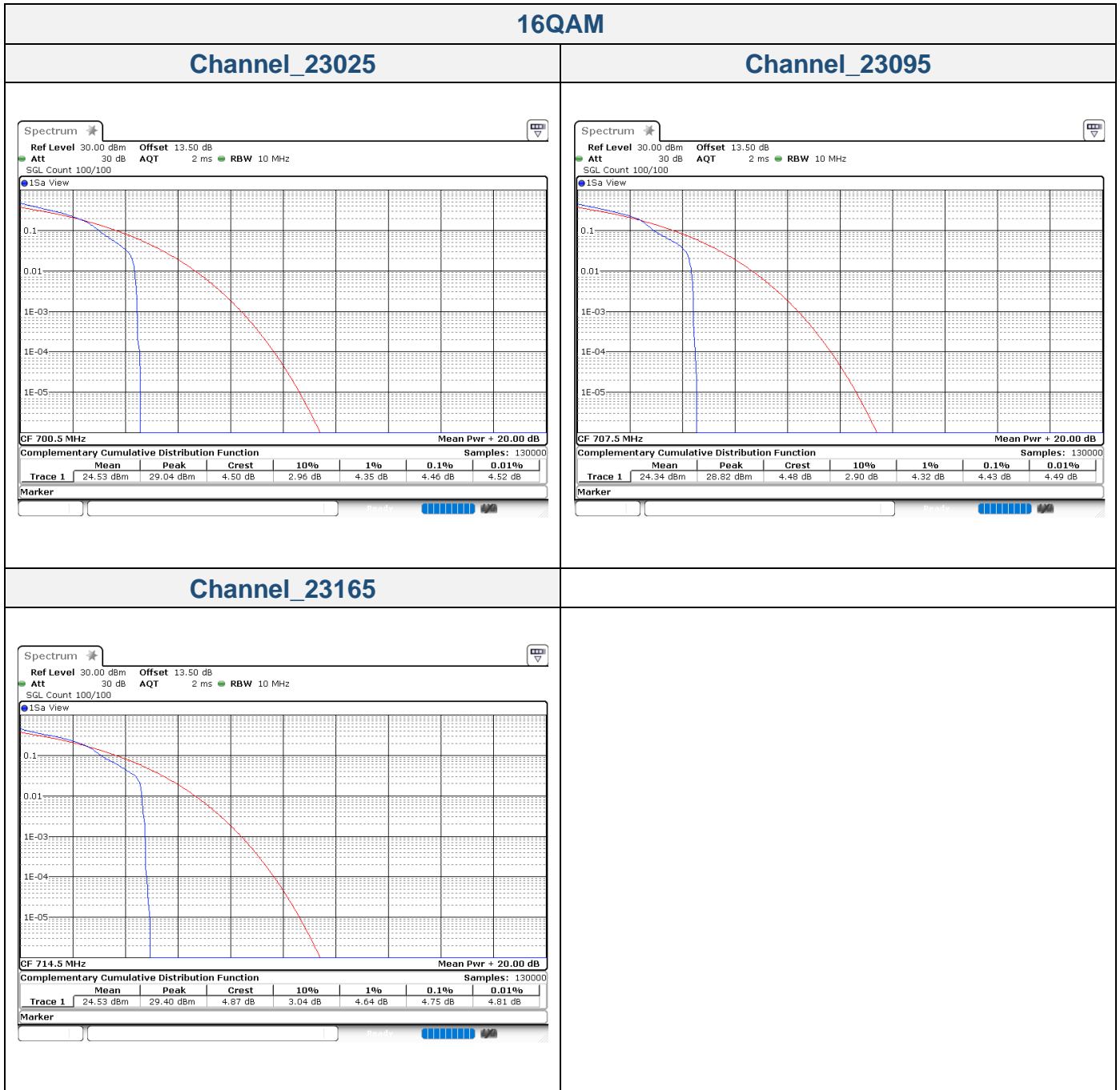




LTE Band 12 _ Channel Bandwidth: 3 MHz

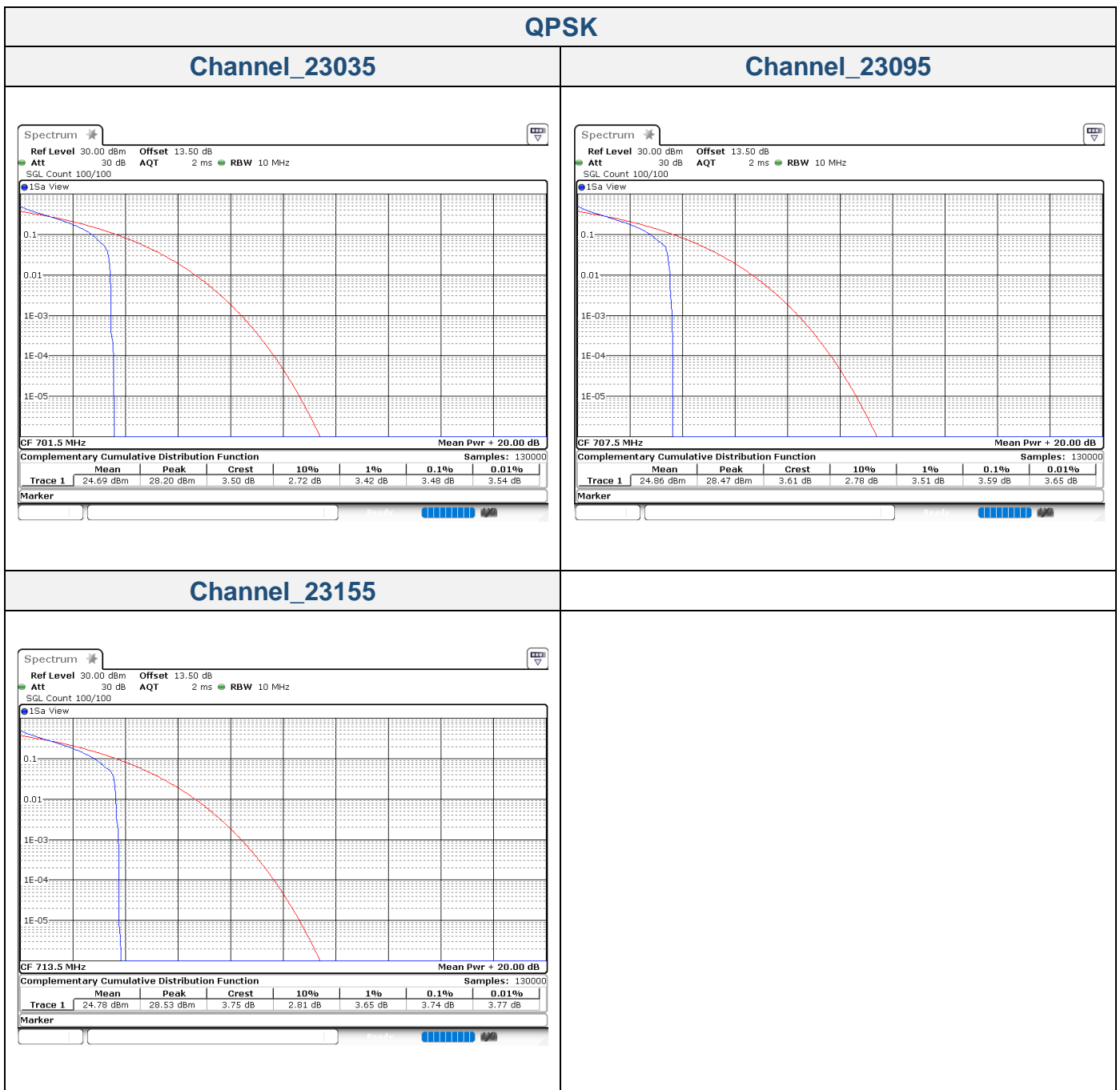
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23025	700.5	3.62	4.46
23095	707.5	3.71	4.43
23165	714.5	3.80	4.75

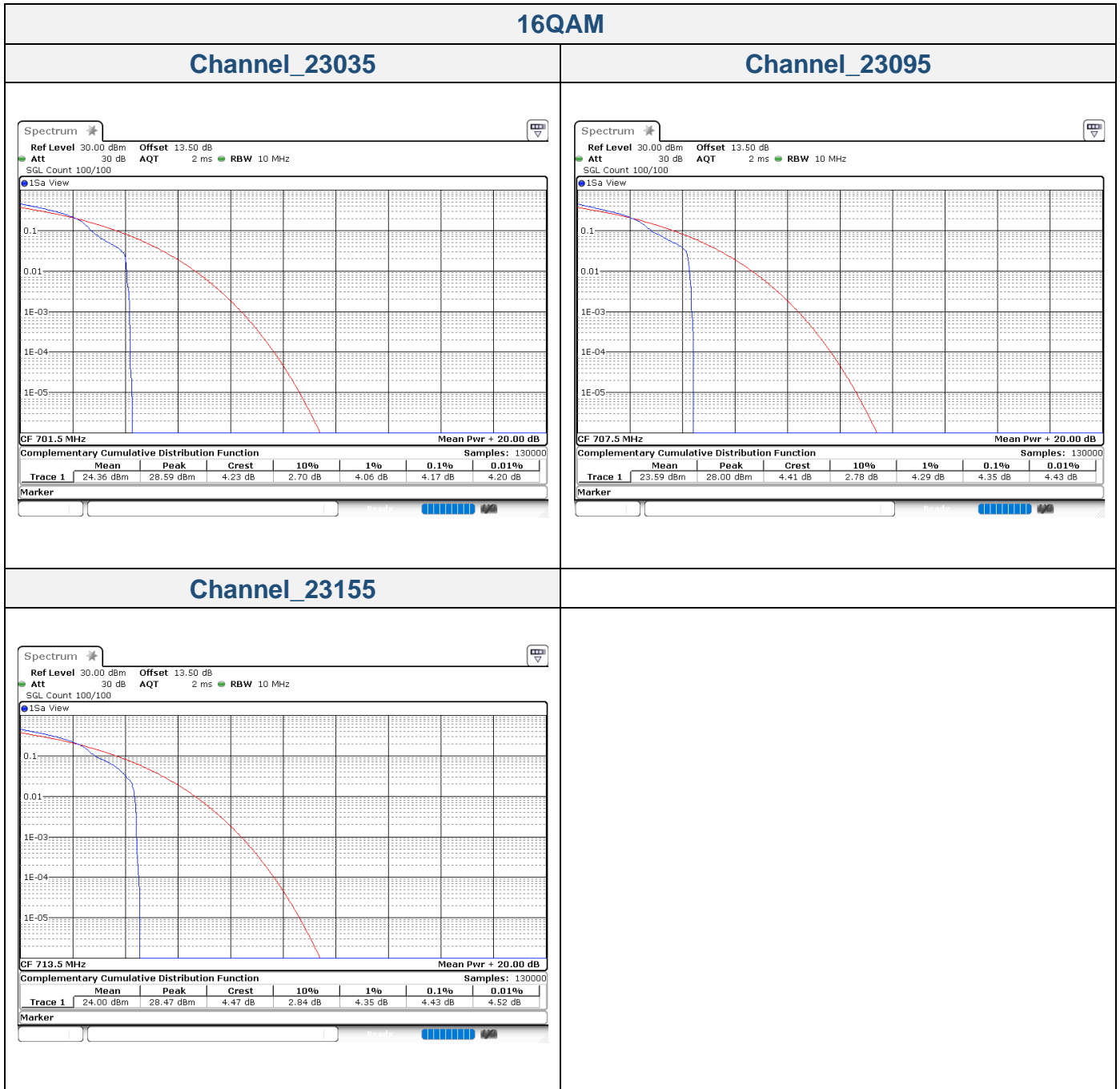




LTE Band 12 _ Channel Bandwidth: 5 MHz

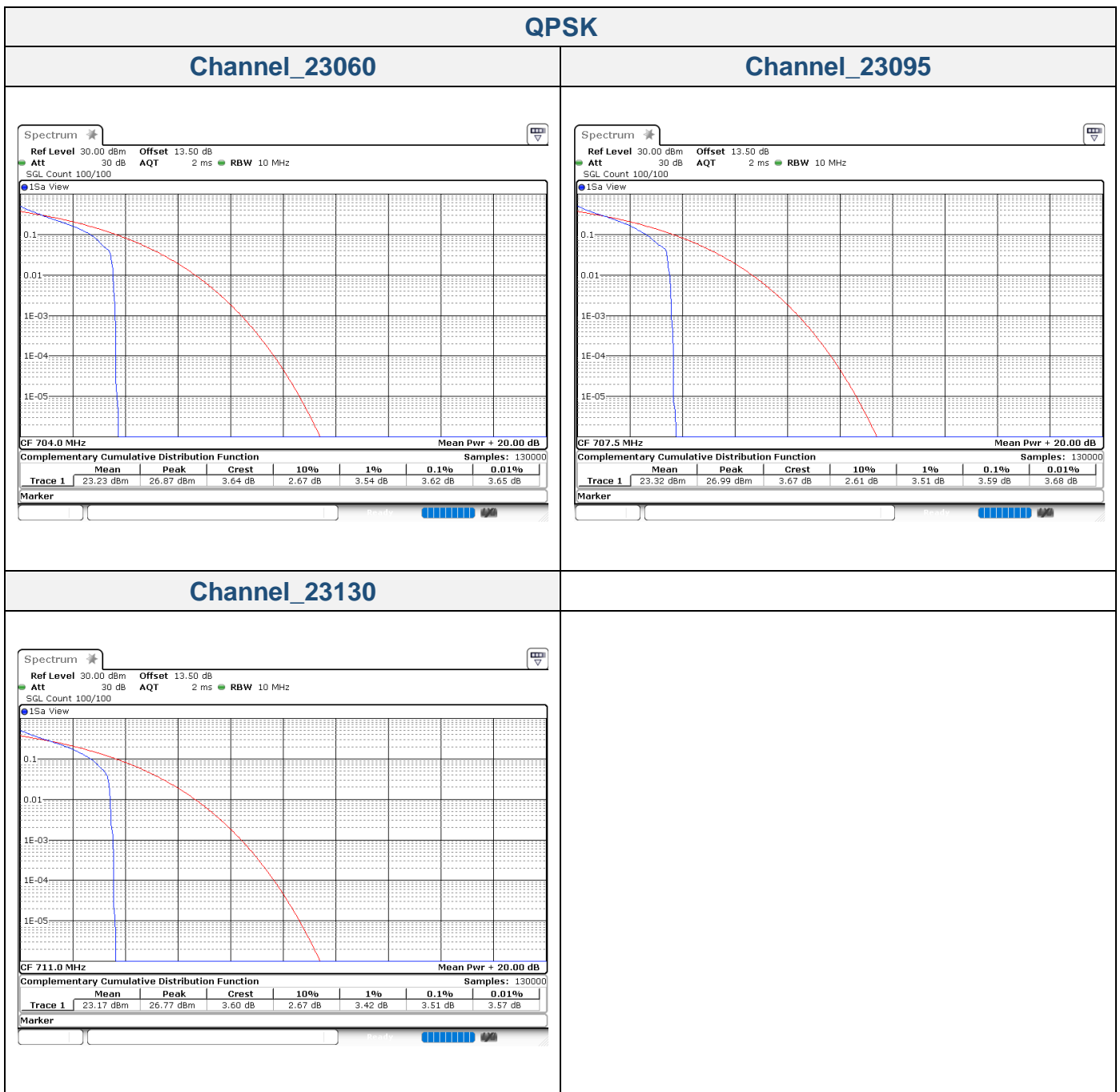
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23035	701.5	3.48	4.17
23095	707.5	3.59	4.35
23155	713.5	3.74	4.43





LTE Band 12 _ Channel Bandwidth: 10 MHz

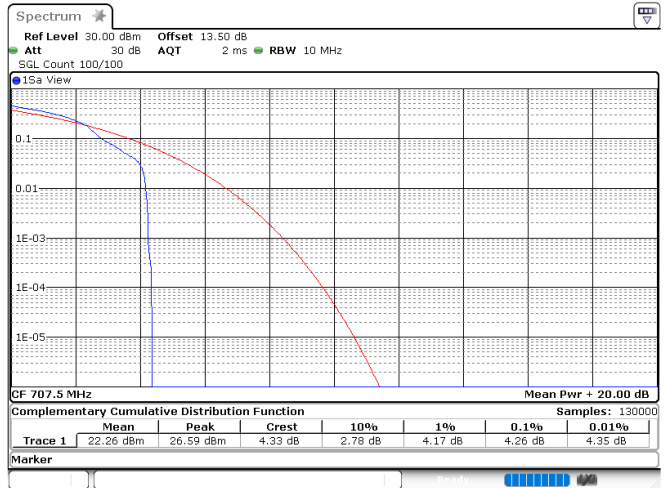
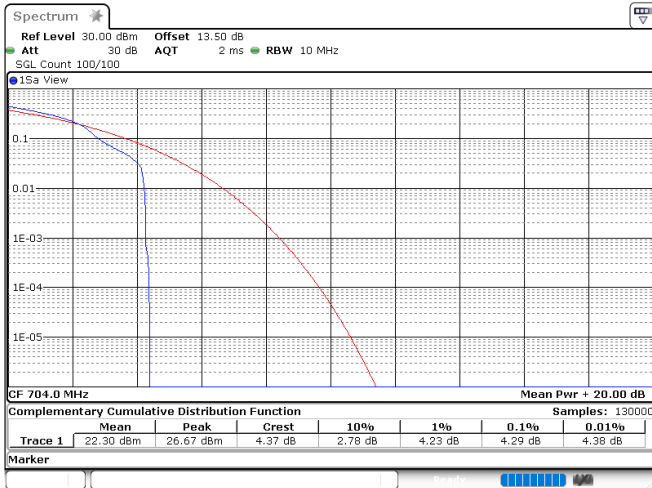
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23060	704.0	3.62	4.29
23095	707.5	3.59	4.26
23130	711.0	3.51	4.55



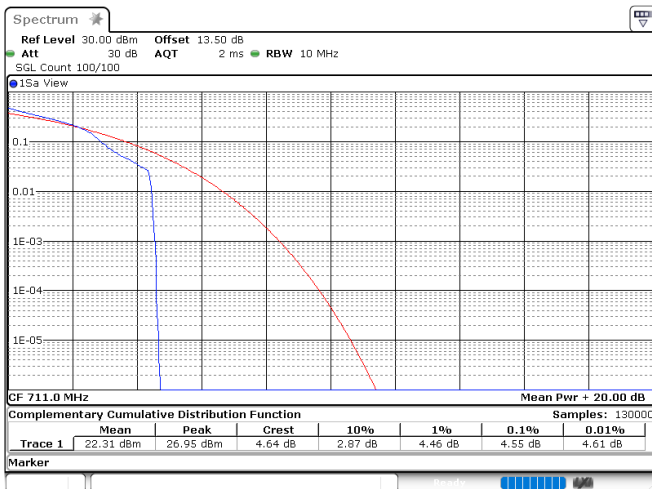
16QAM

Channel_23060

Channel_23095

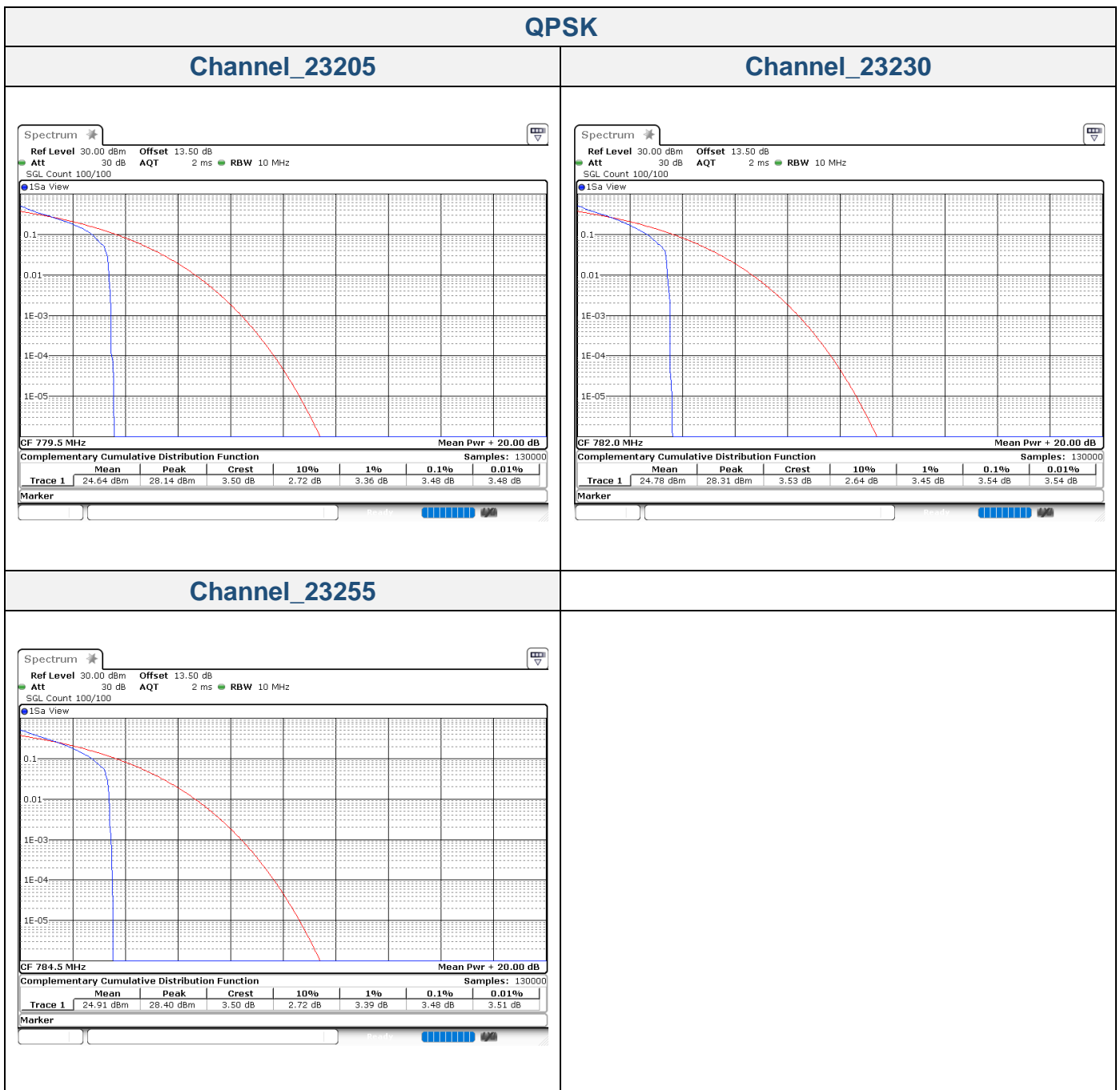


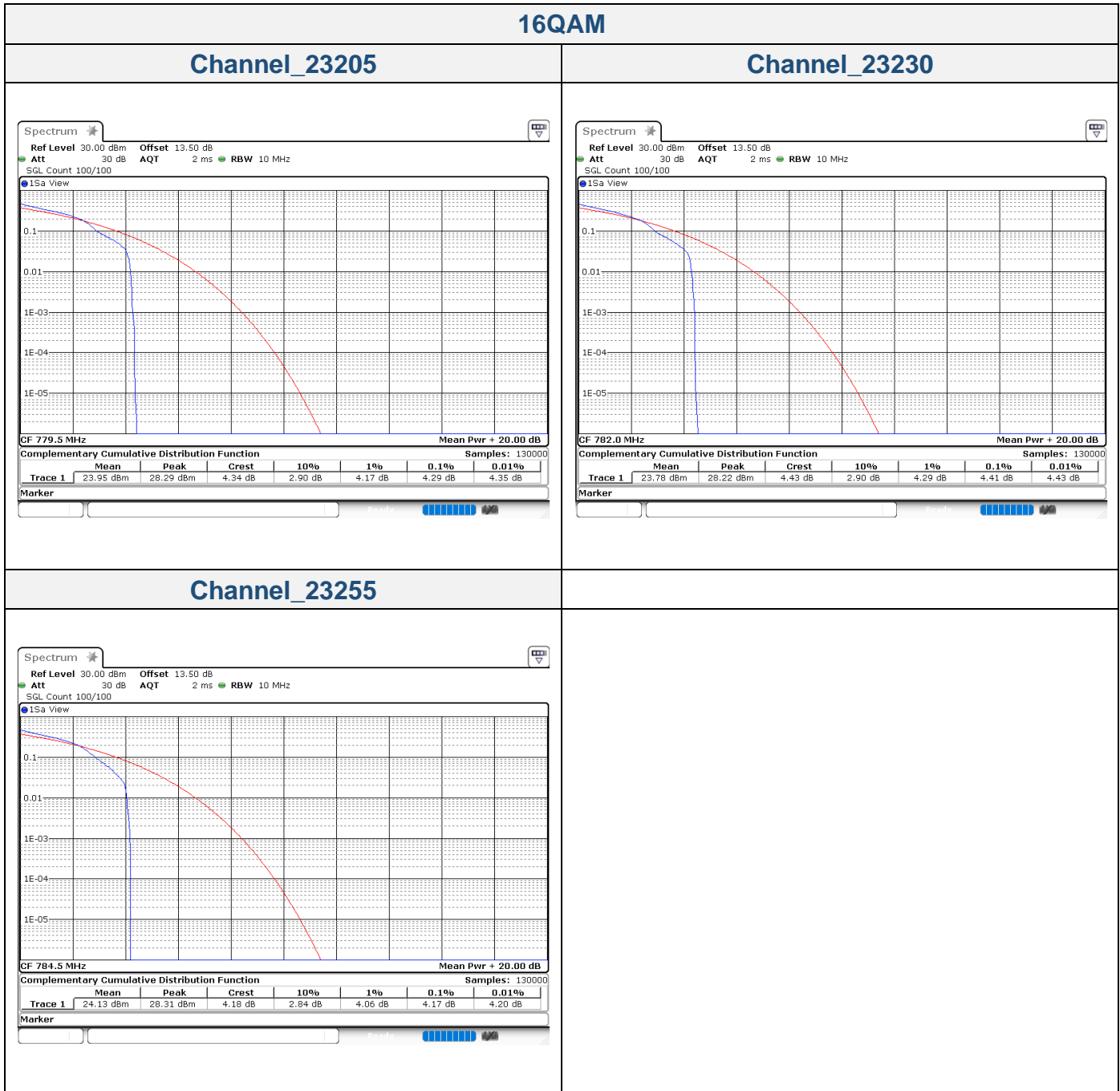
Channel_23130



LTE Band 13 _ Channel Bandwidth: 5 MHz

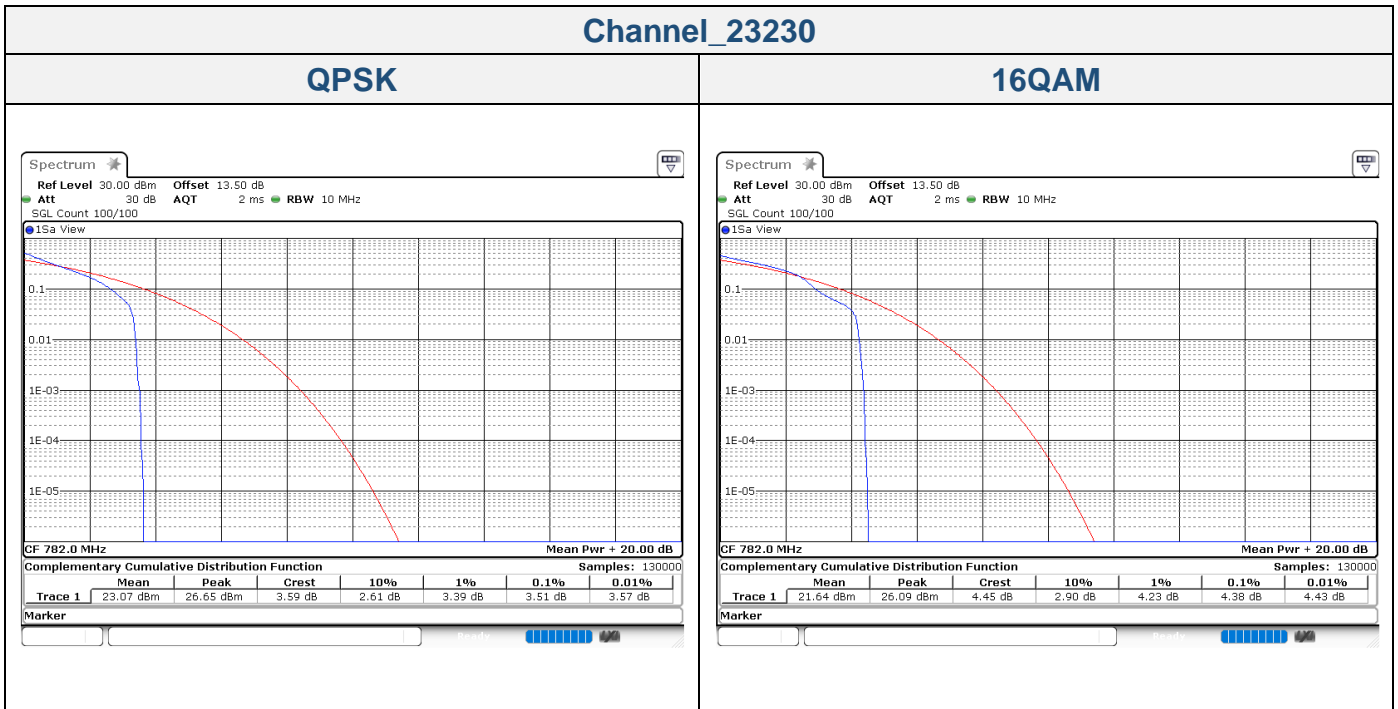
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23205	779.5	3.48	4.29
23230	782.0	3.54	4.41
23255	784.5	3.48	4.17





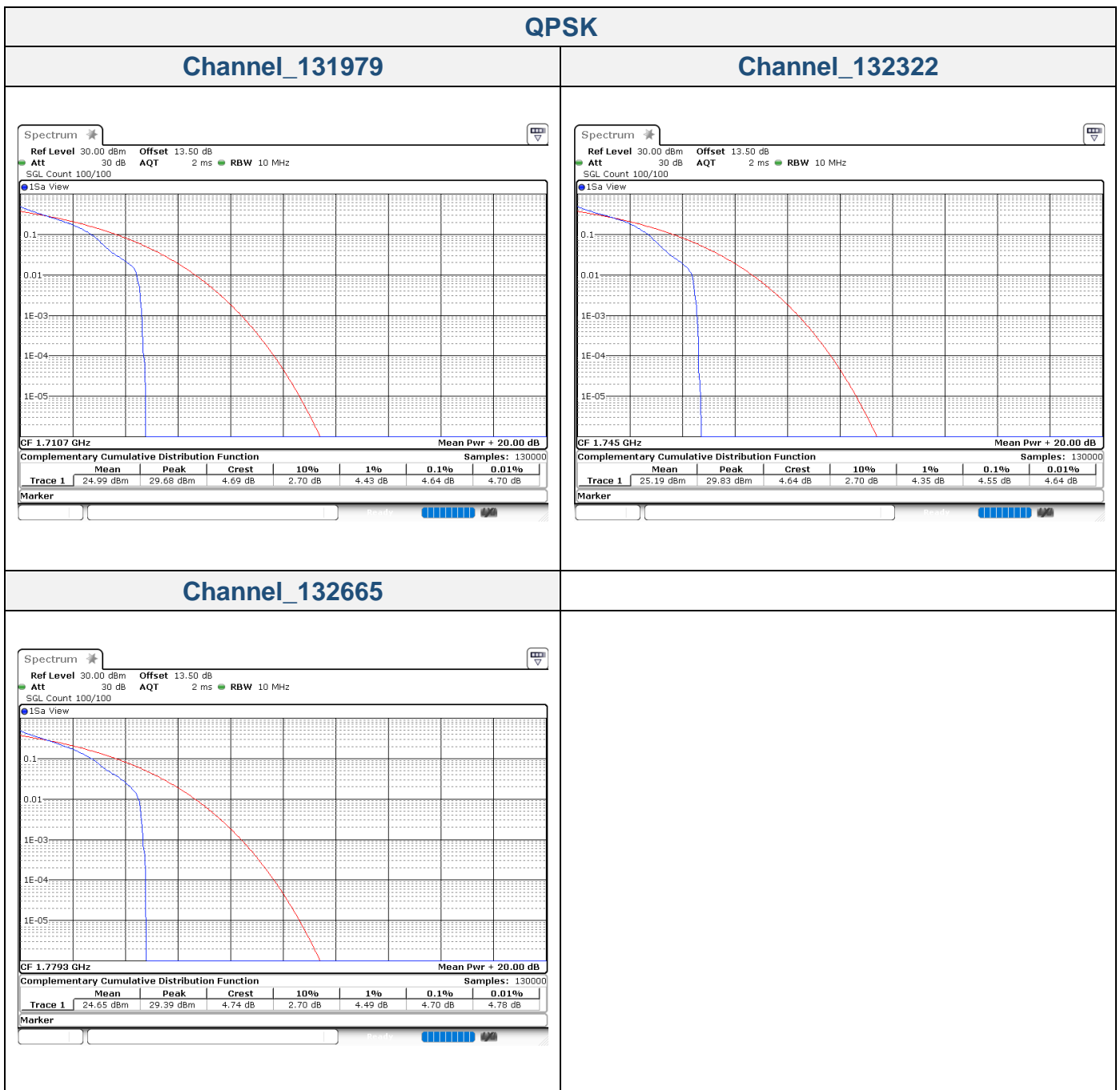
LTE Band 13 _ Channel Bandwidth: 10 MHz

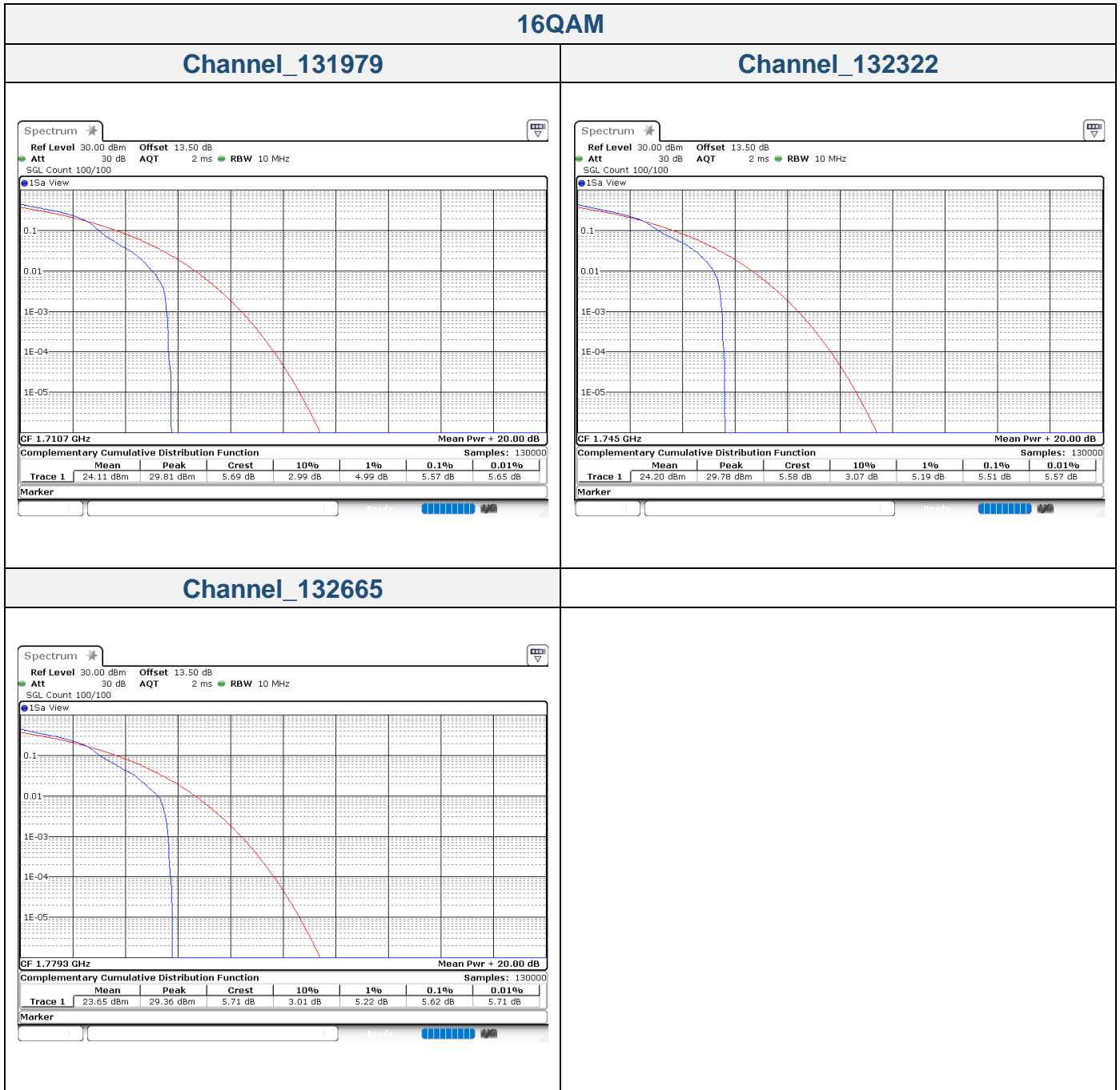
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
23230	782.0	3.51	4.38



LTE Band 66 _ Channel Bandwidth: 1.4 MHz

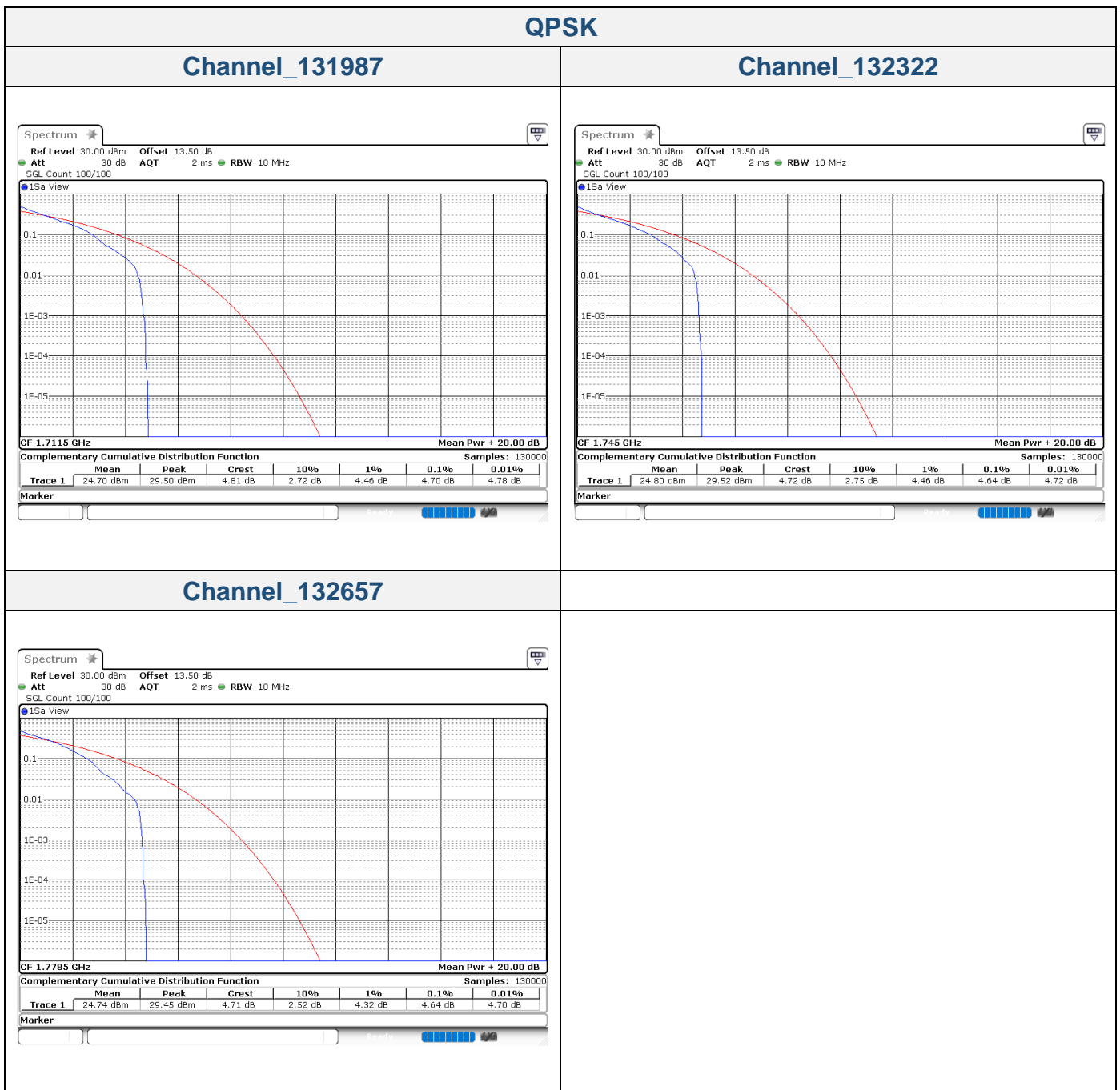
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
131979	1710.7	4.64	5.57
132322	1745.0	4.55	5.51
132665	1779.3	4.70	5.62

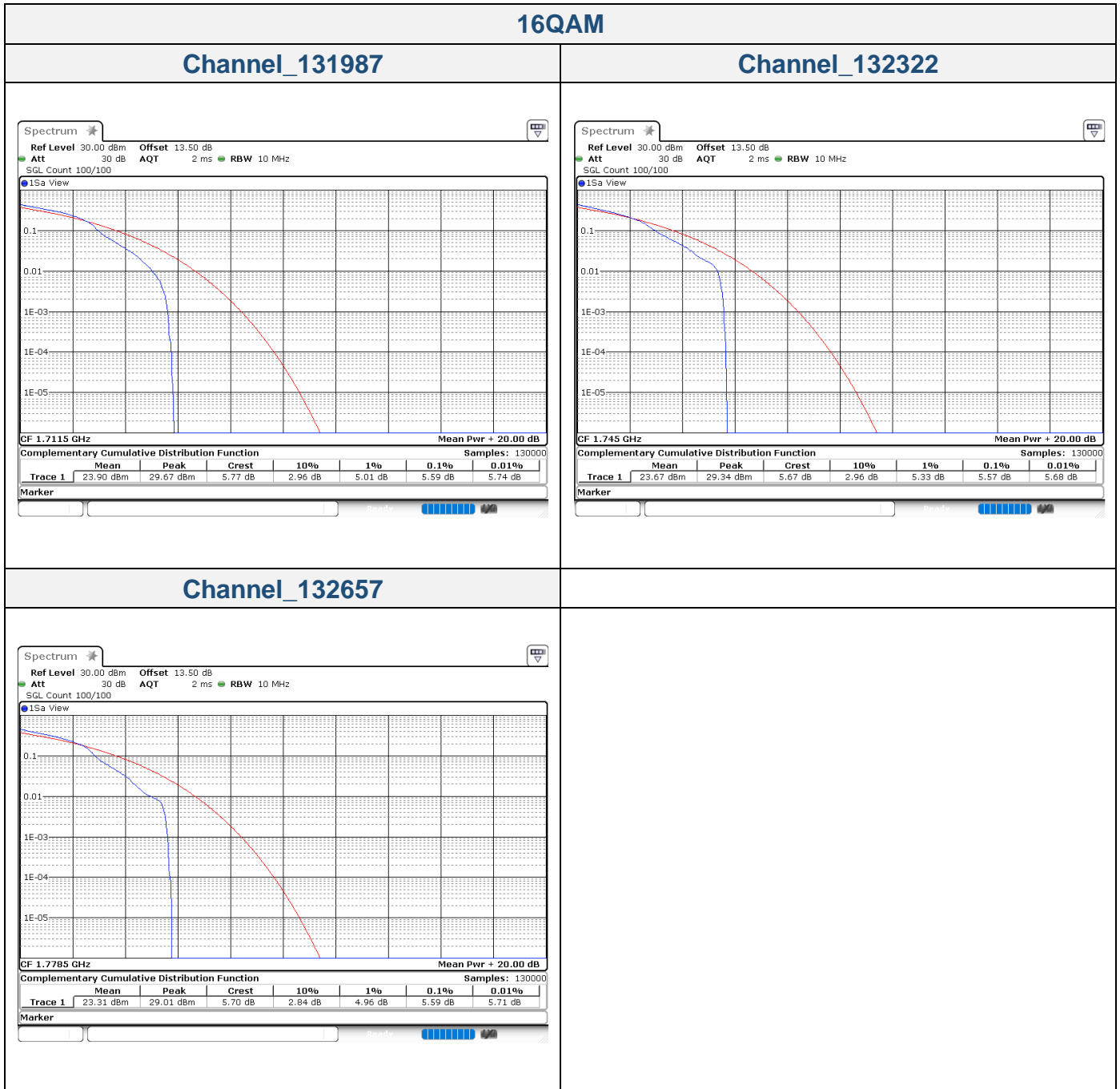




LTE Band 66 _ Channel Bandwidth: 3 MHz

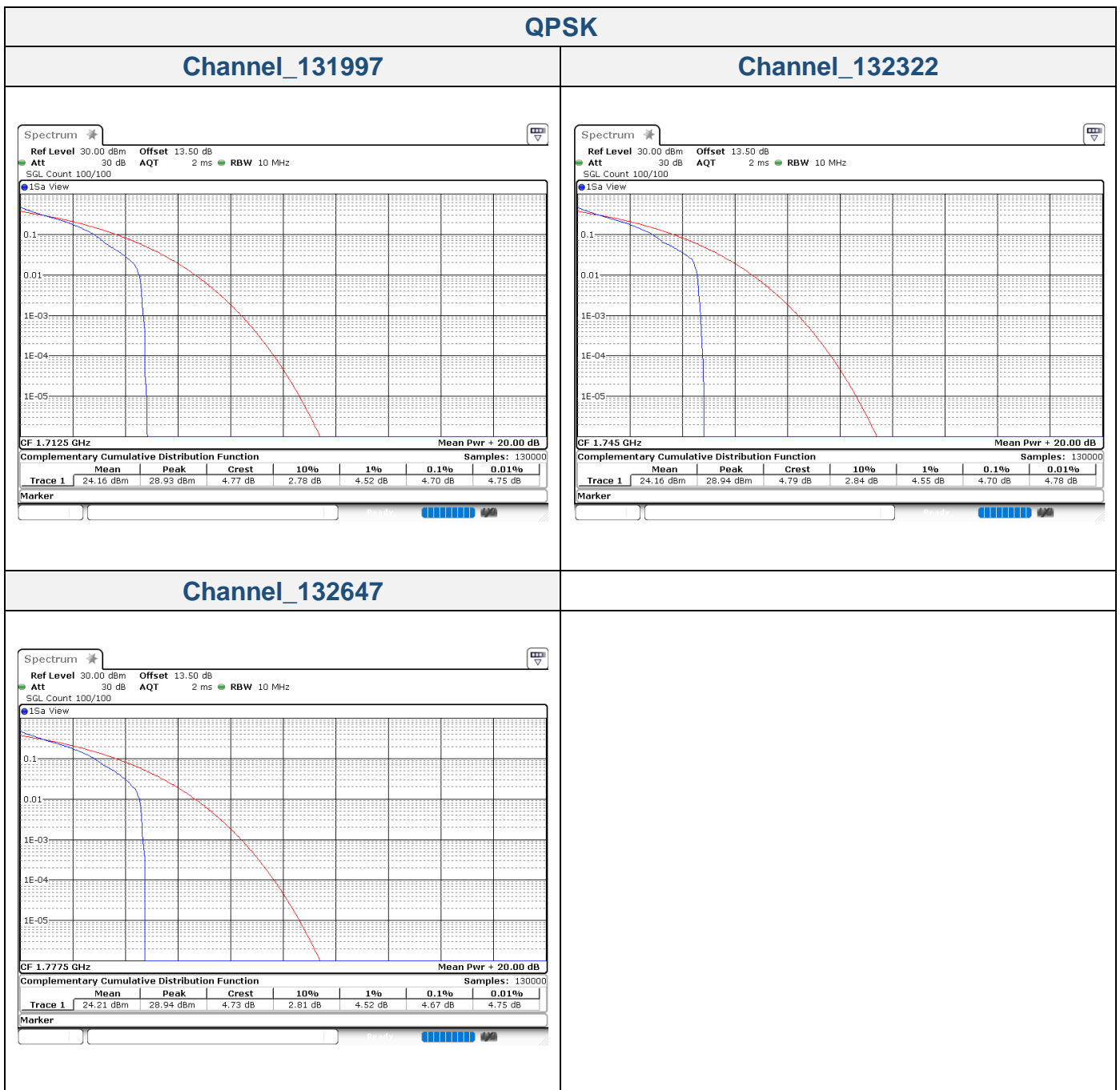
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
131987	1711.5	4.70	5.59
132322	1745.0	4.64	5.57
132657	1778.5	4.64	5.59

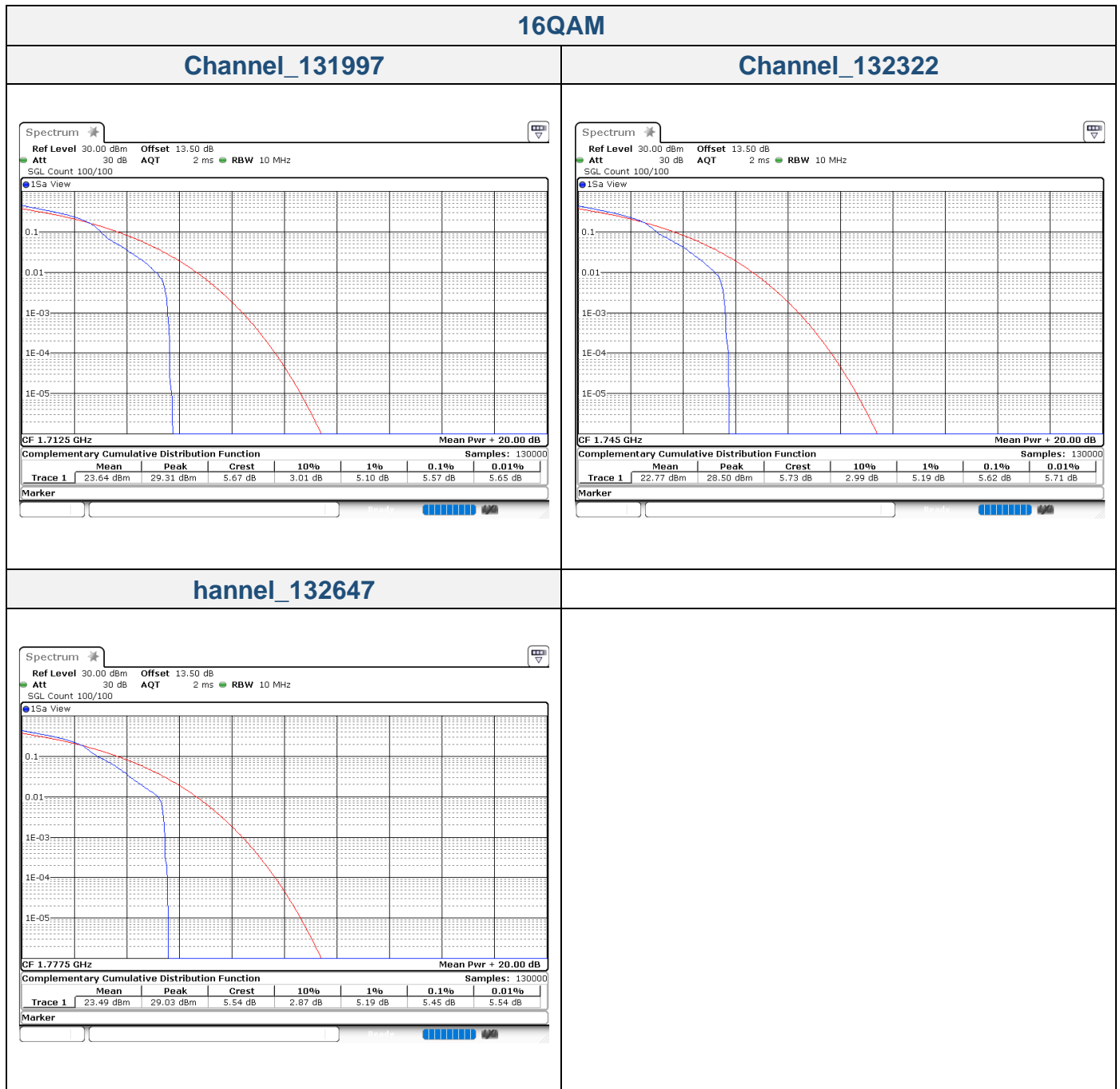




LTE Band 66 _ Channel Bandwidth: 5 MHz

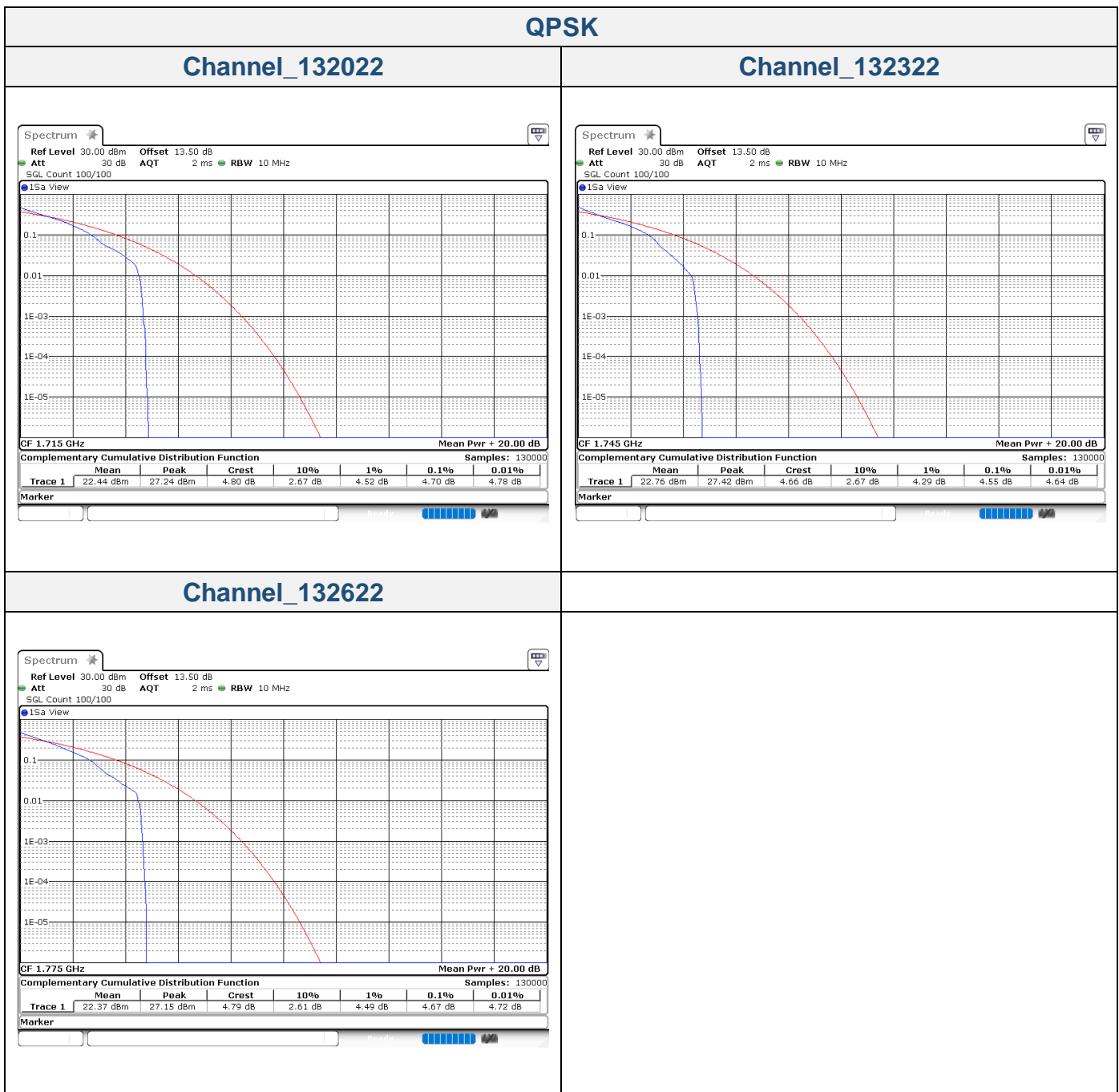
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
131997	1712.5	4.70	5.57
132322	1745.0	4.70	5.62
132647	1777.5	4.67	5.45

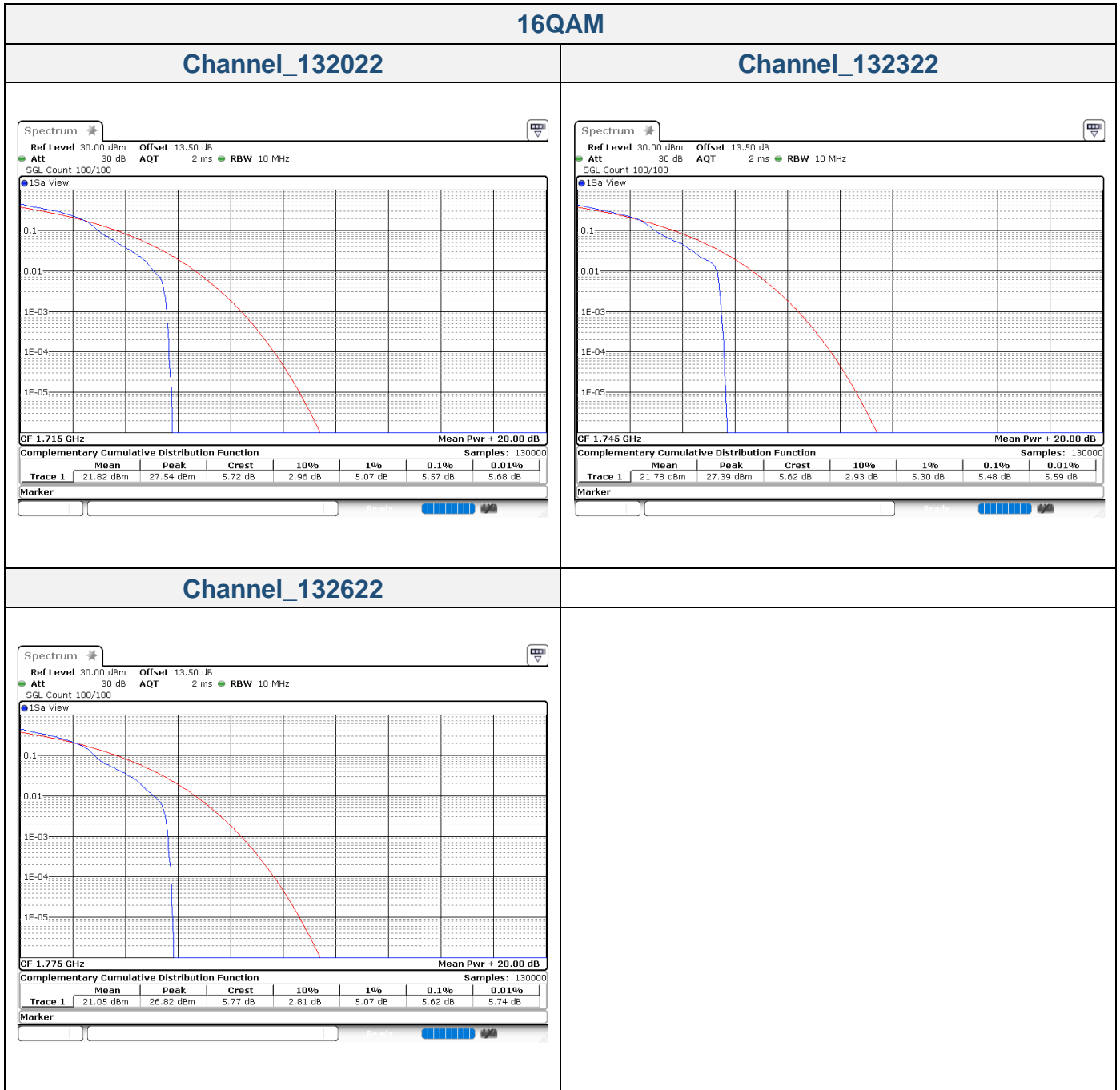




LTE Band 66 _ Channel Bandwidth: 10 MHz

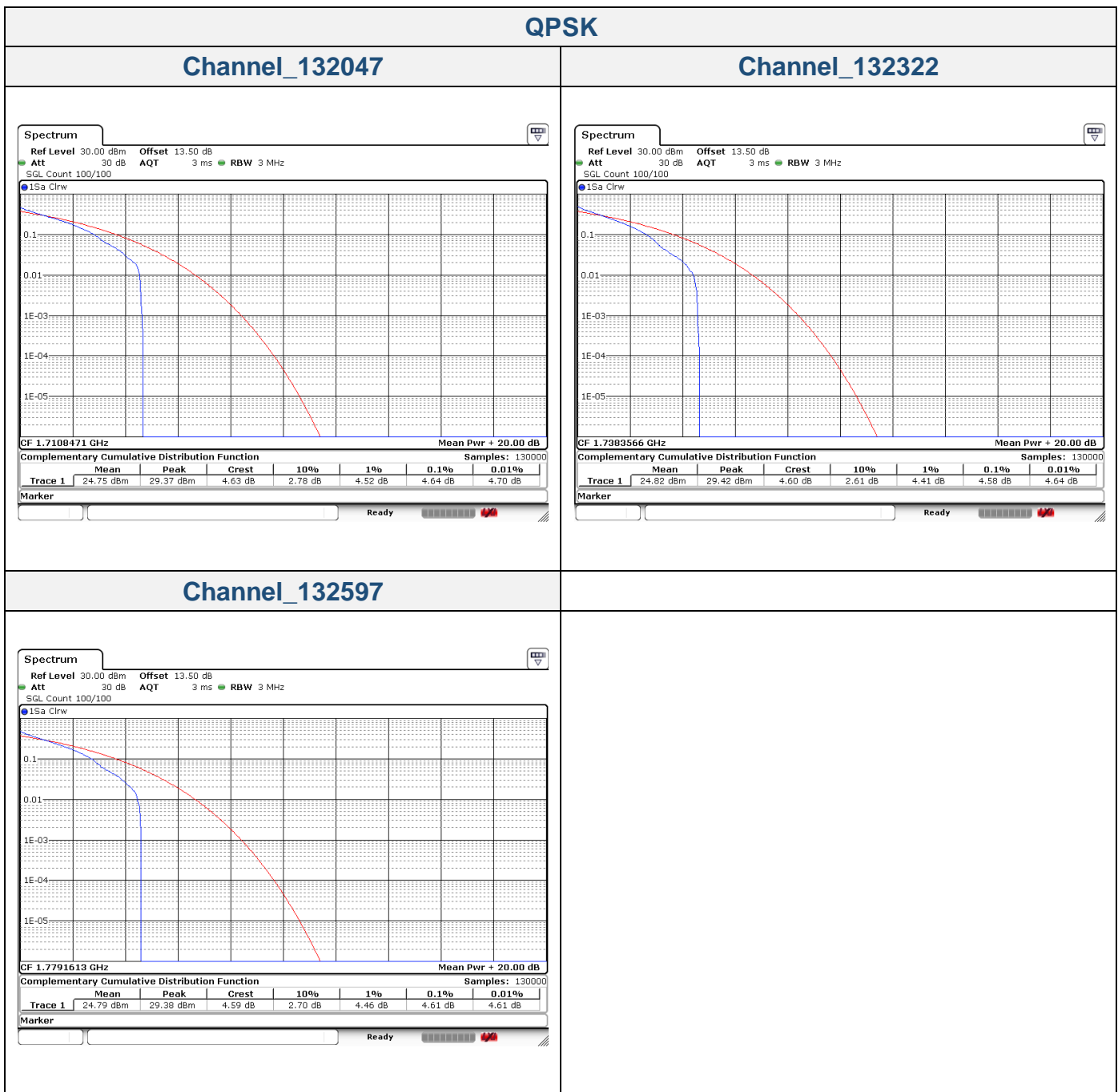
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
132022	1715.0	4.70	5.57
132322	1745.0	4.55	5.48
132622	1775.0	4.67	5.62

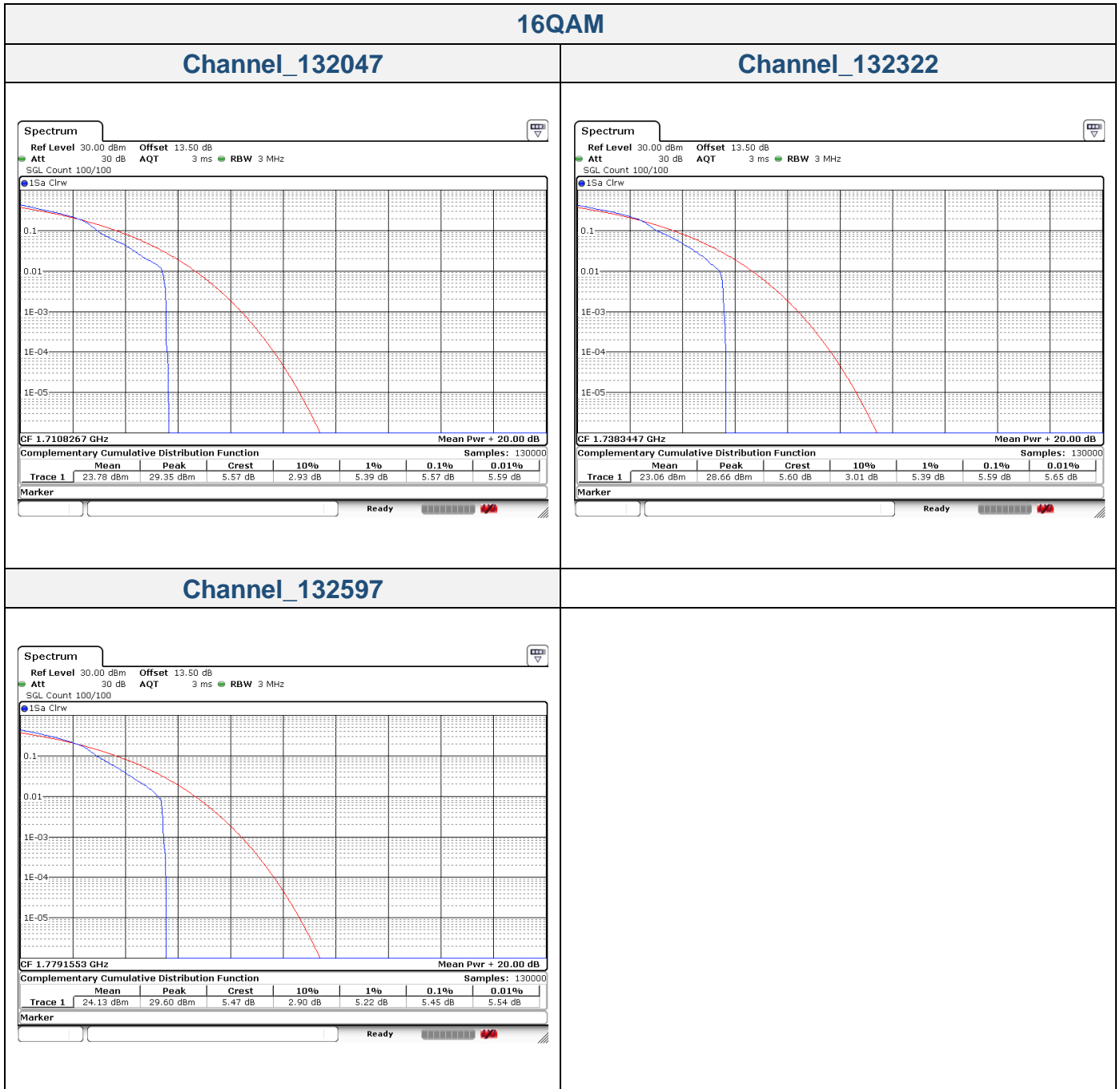




LTE Band 66 _ Channel Bandwidth: 15 MHz

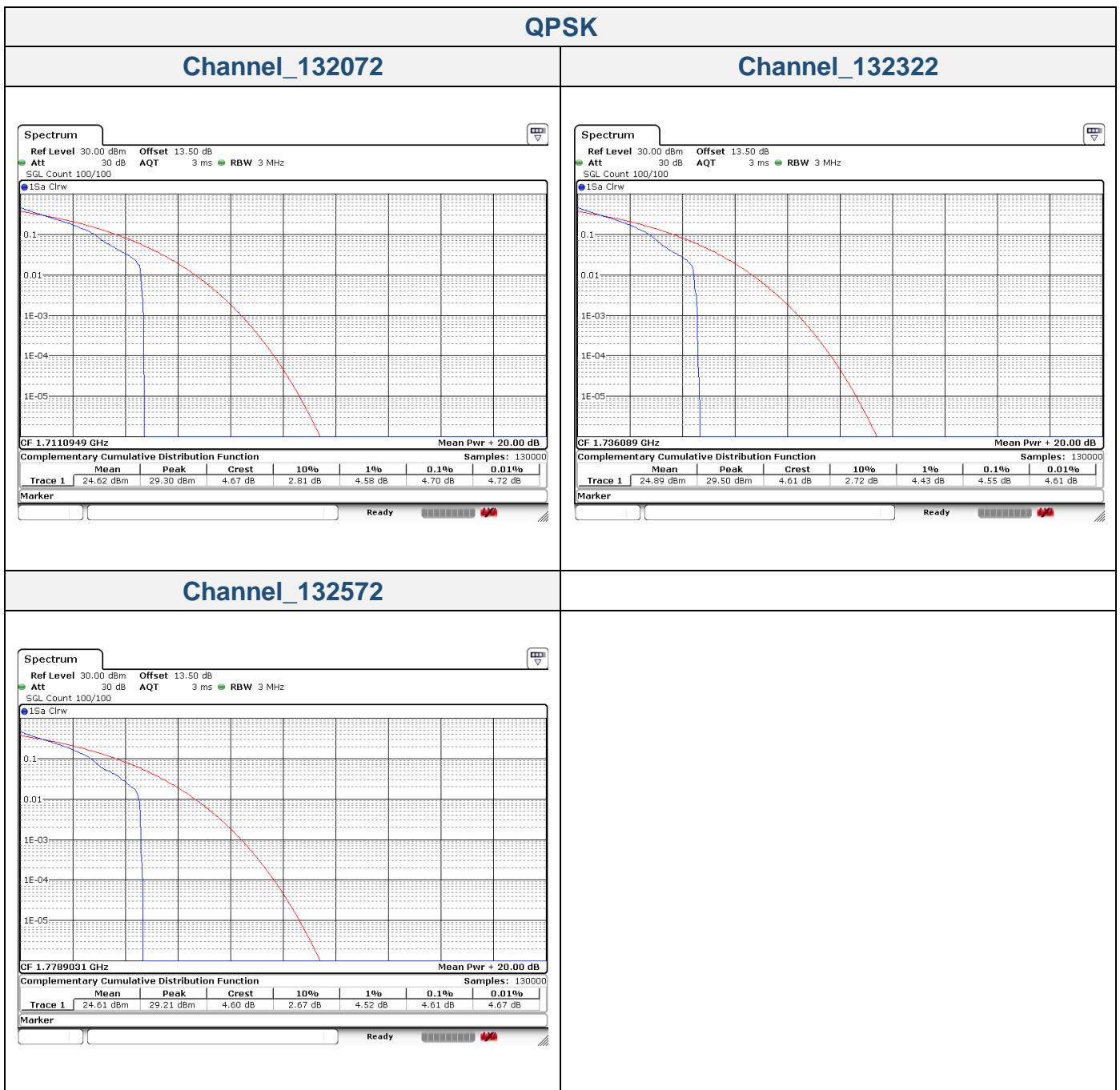
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
132047	1717.5	4.64	5.57
132322	1745.0	4.58	5.59
132597	1772.5	4.61	5.45

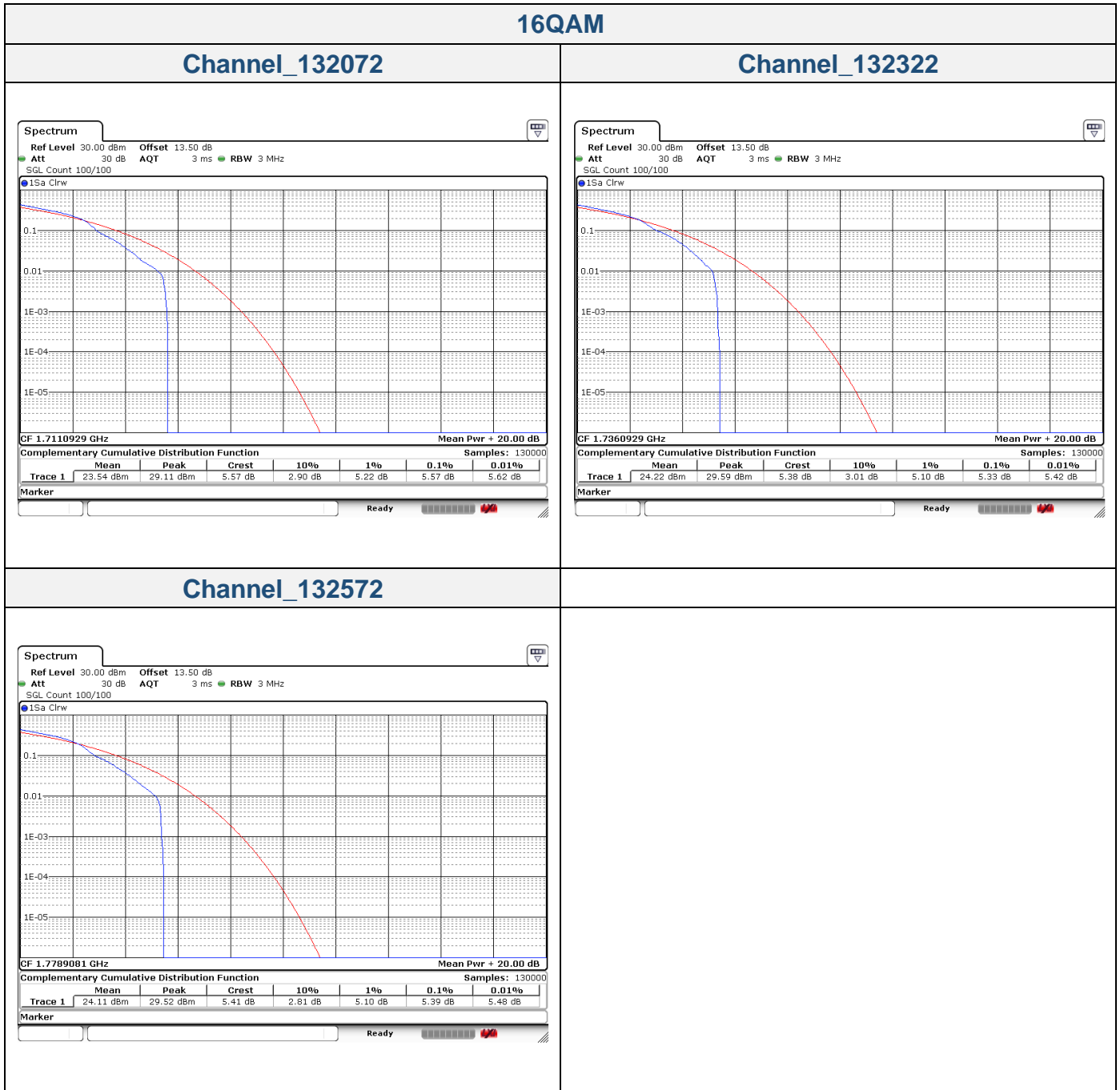




LTE Band 66 _ Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
132072	1720.0	4.70	5.57
132322	1745.0	4.55	5.33
132572	1770.0	4.61	5.39



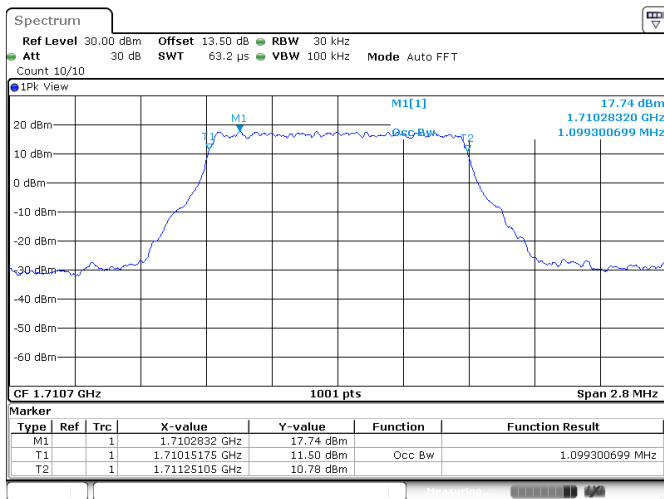
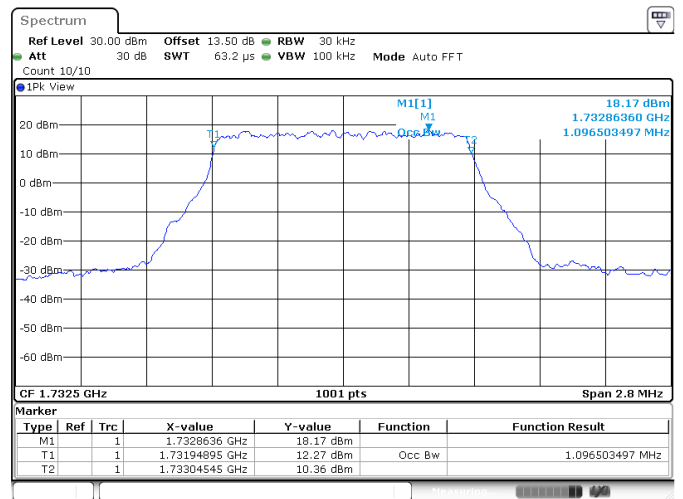
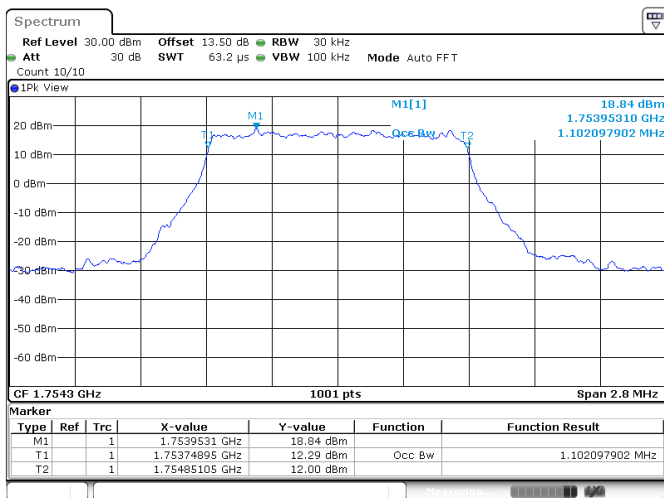


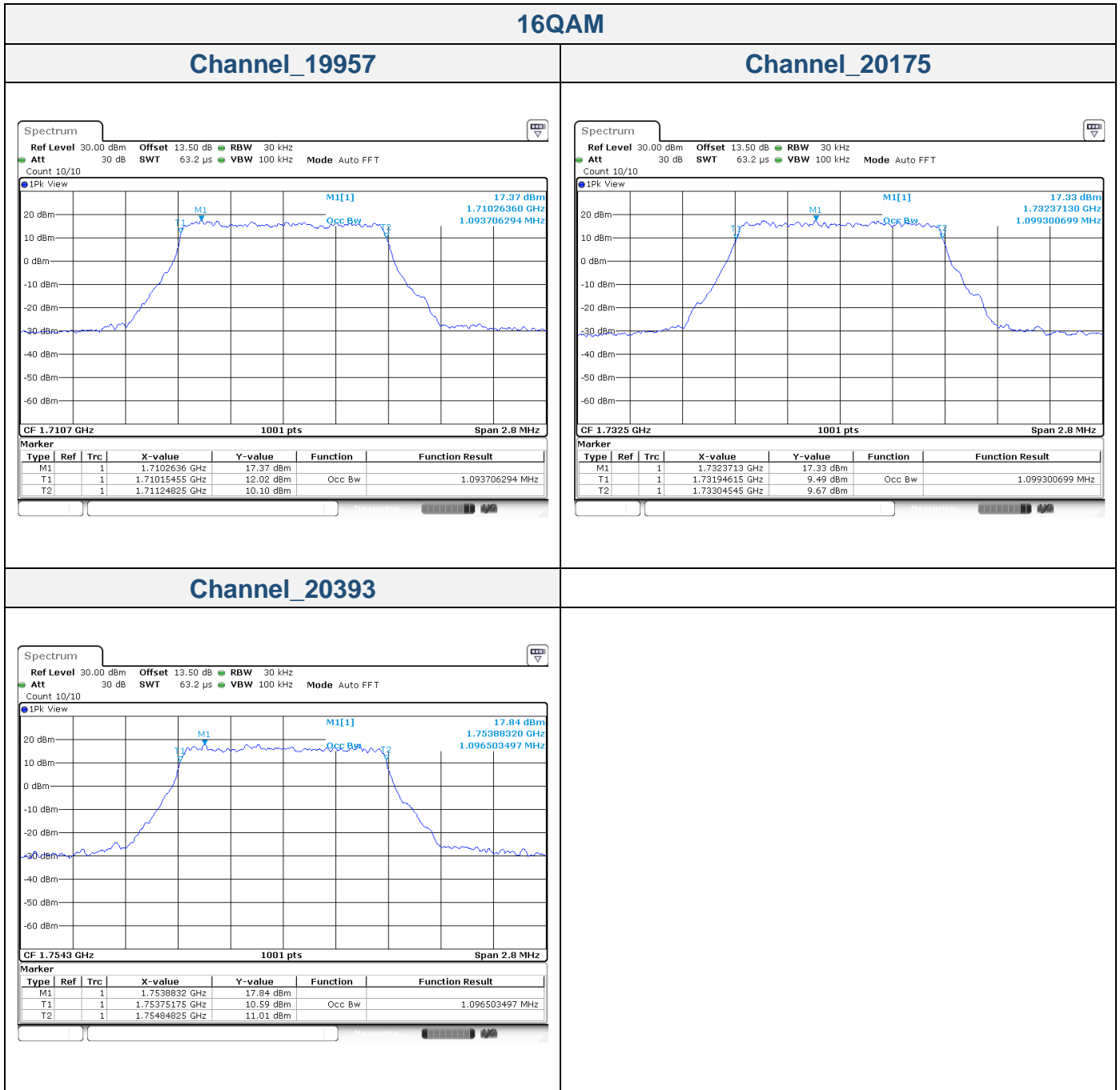
99 % Occupied Bandwidth

LTE Band 4 _ Channel Bandwidth: 1.4 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
19957	1710.7	1.099	1.094
20175	1732.5	1.097	1.099
20393	1754.3	1.102	1.097

QPSK

Channel_19957

Channel_20175

Channel_20393




LTE Band 4 _ Channel Bandwidth: 3 MHz

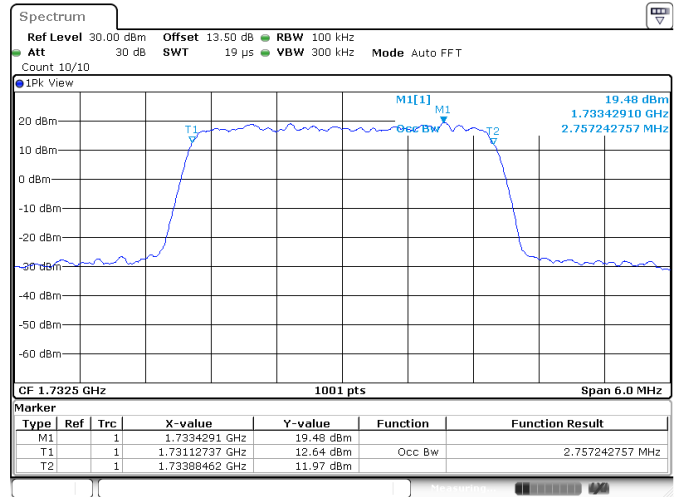
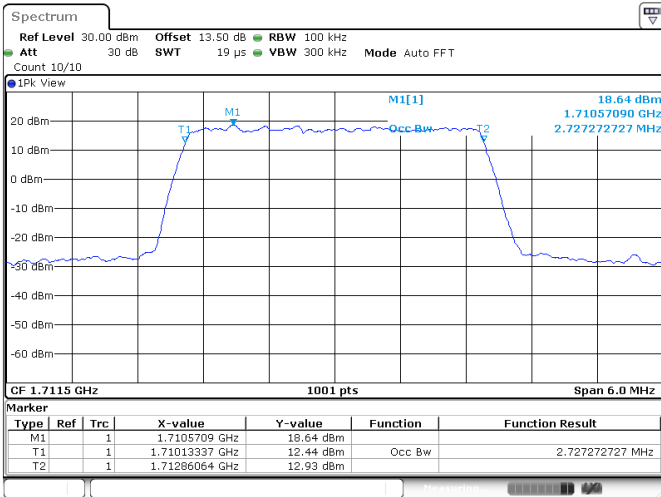
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
19965	1711.5	2.739	2.727
20175	1732.5	2.739	2.757
20385	1753.5	2.733	2.727



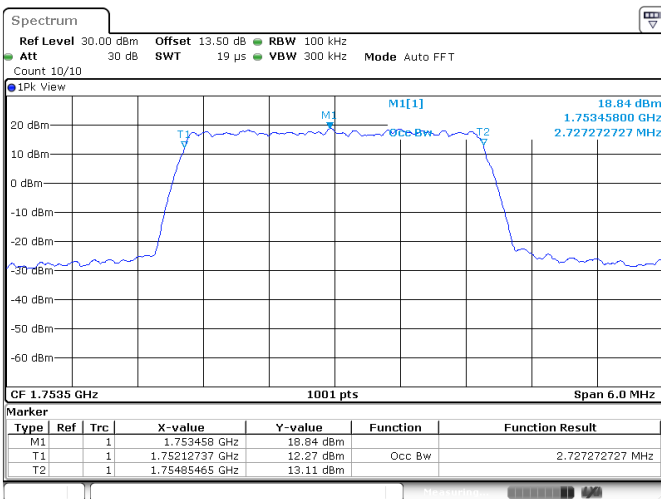
16QAM

Channel_19965

Channel_20175

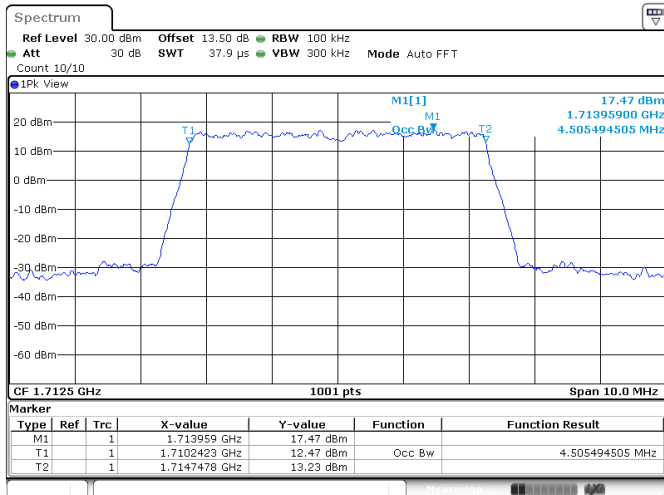
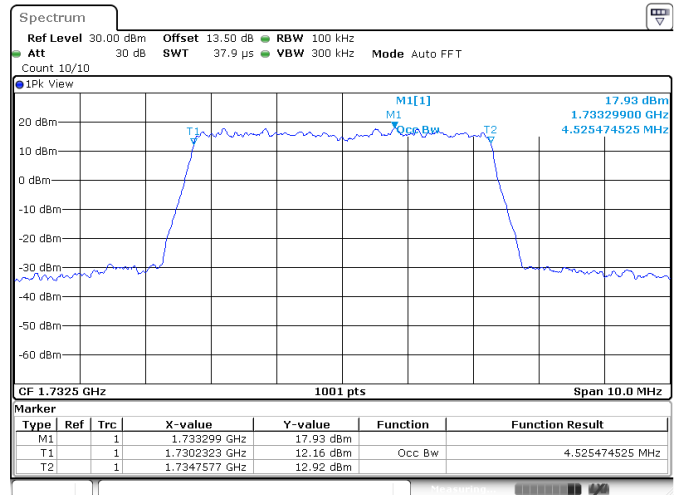
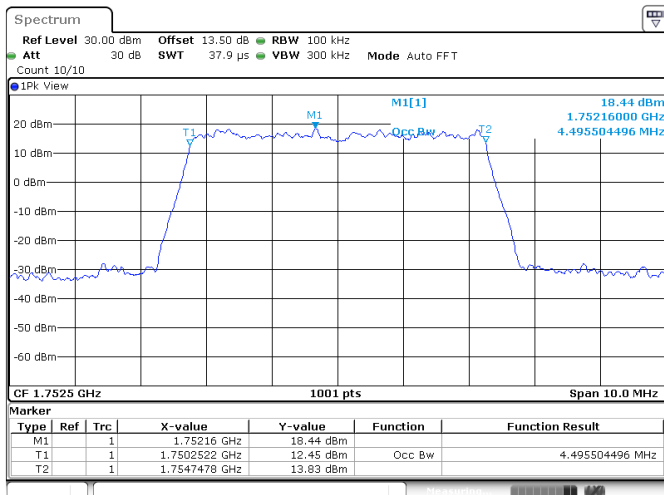


Channel_20385



LTE Band 4 _ Channel Bandwidth: 5 MHz

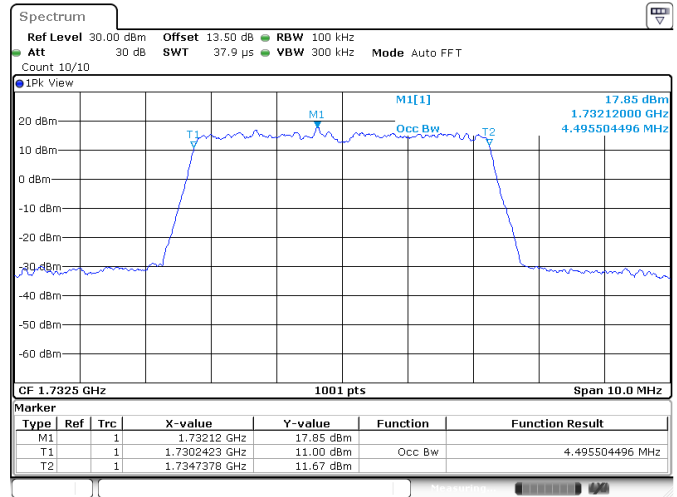
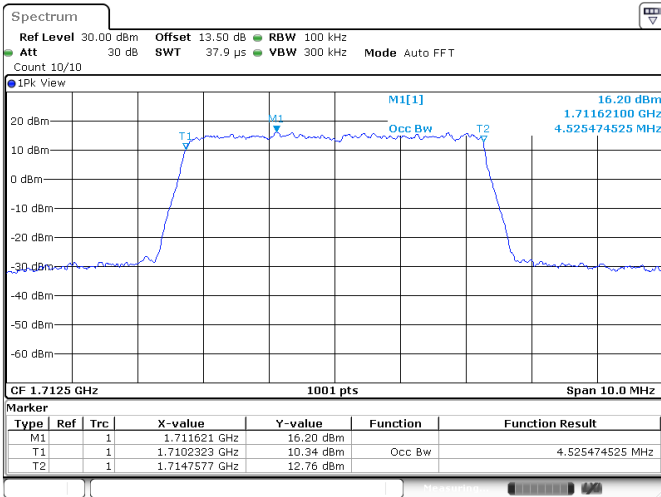
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
19975	1712.5	4.505	4.525
20175	1732.5	4.525	4.496
20375	1752.5	4.496	4.535

QPSK
Channel_19975

Channel_20175

Channel_20375


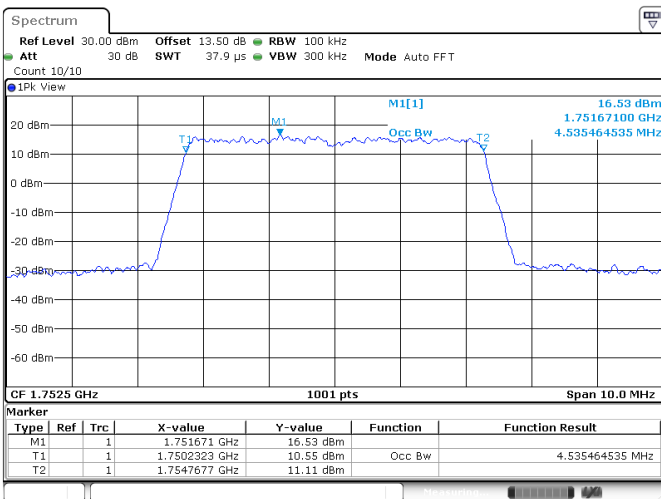
16QAM

Channel_19975

Channel_20175

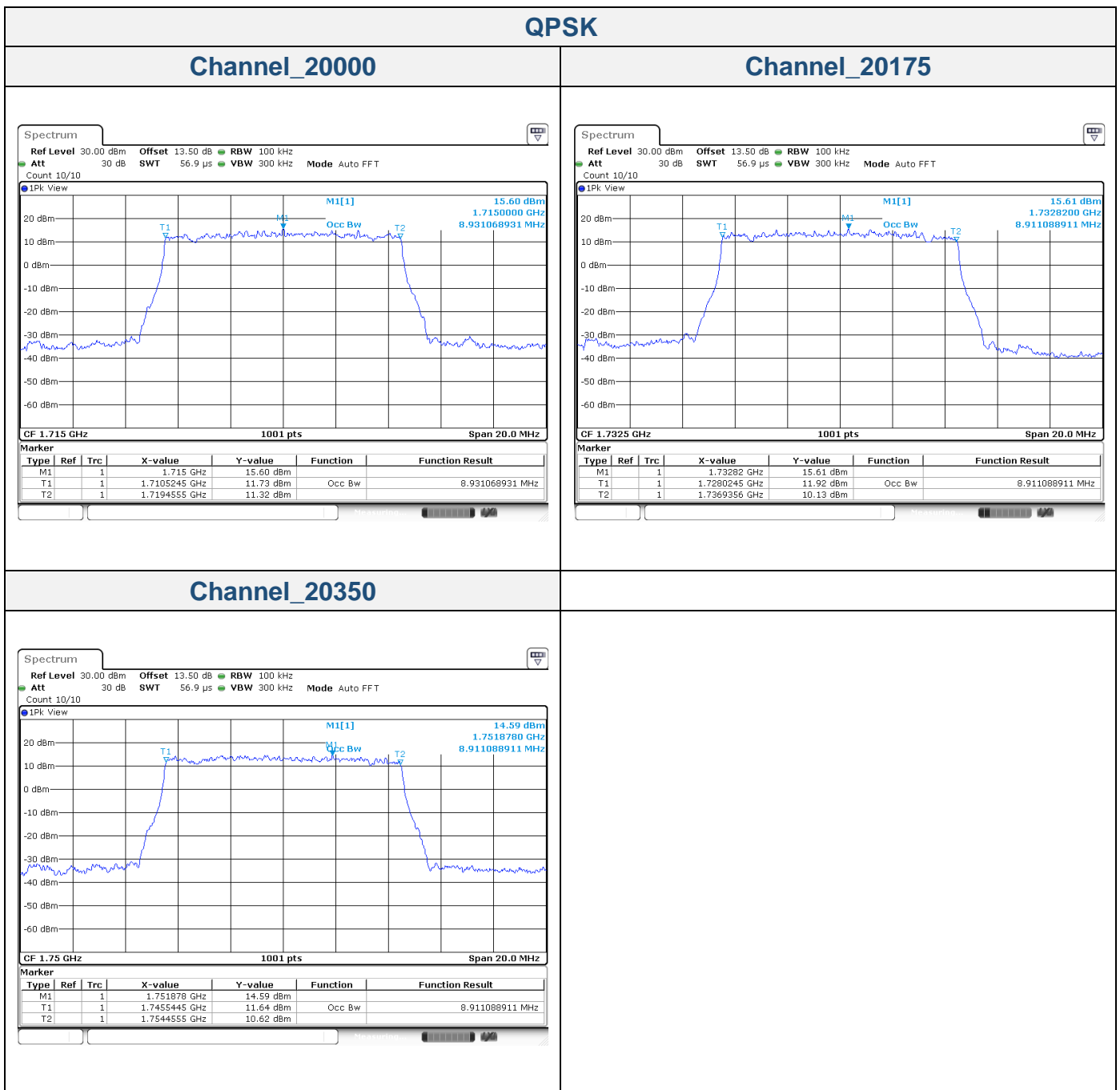


Channel_20375



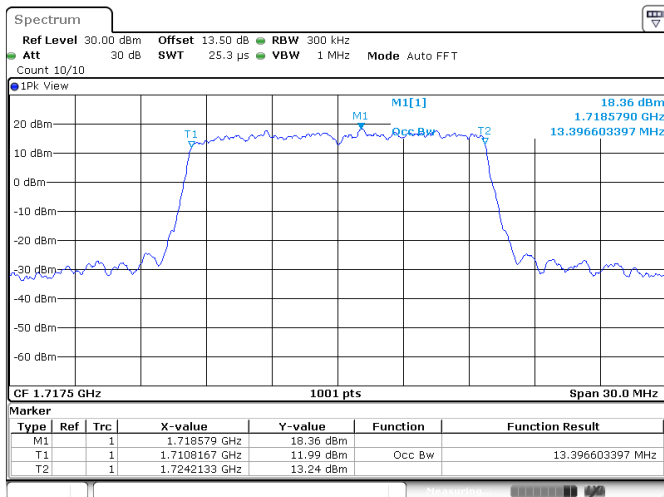
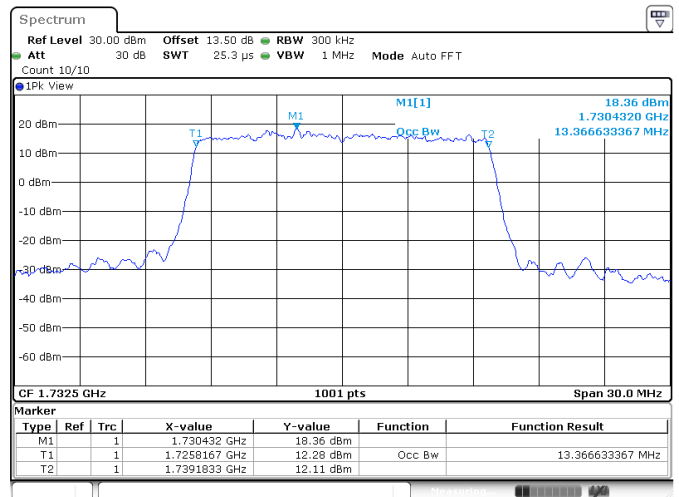
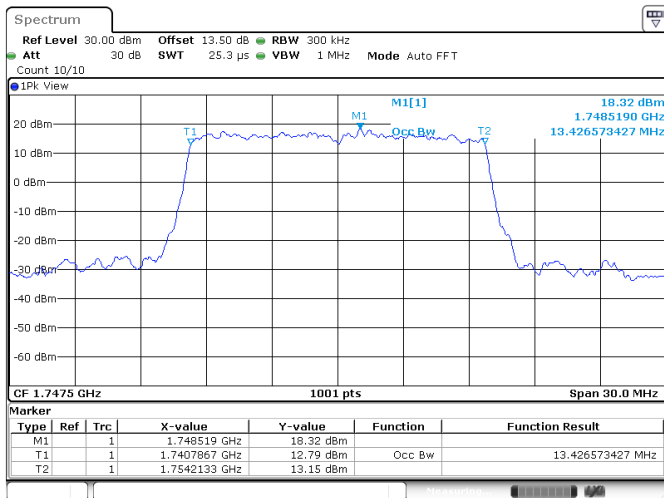
LTE Band 4 _ Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		Modulation	Value
20000	1715.0	QPSK	8.931
20175	1732.5	QPSK	8.911
20350	1750.0	QPSK	8.911



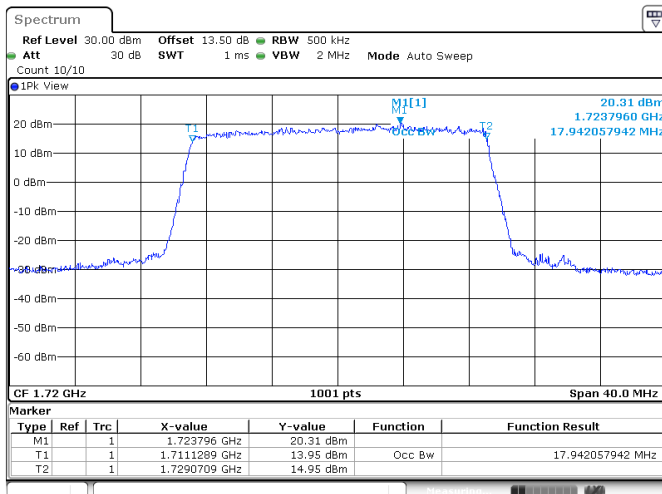
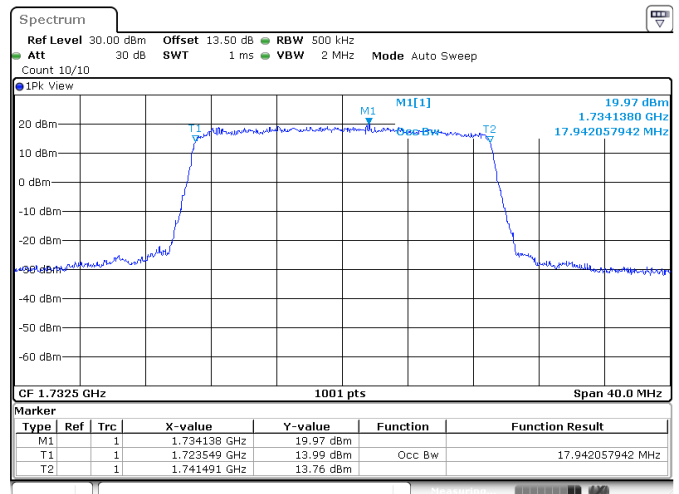
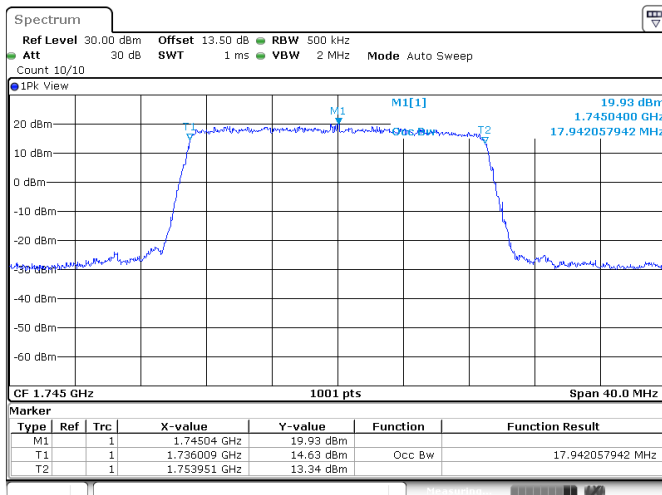
LTE Band 4 _ Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
20025	1717.5	13.397
20175	1732.5	13.367
20325	1747.5	13.427

QPSK
Channel_20025

Channel_20175

Channel_20325


LTE Band 4 _ Channel Bandwidth: 20 MHz

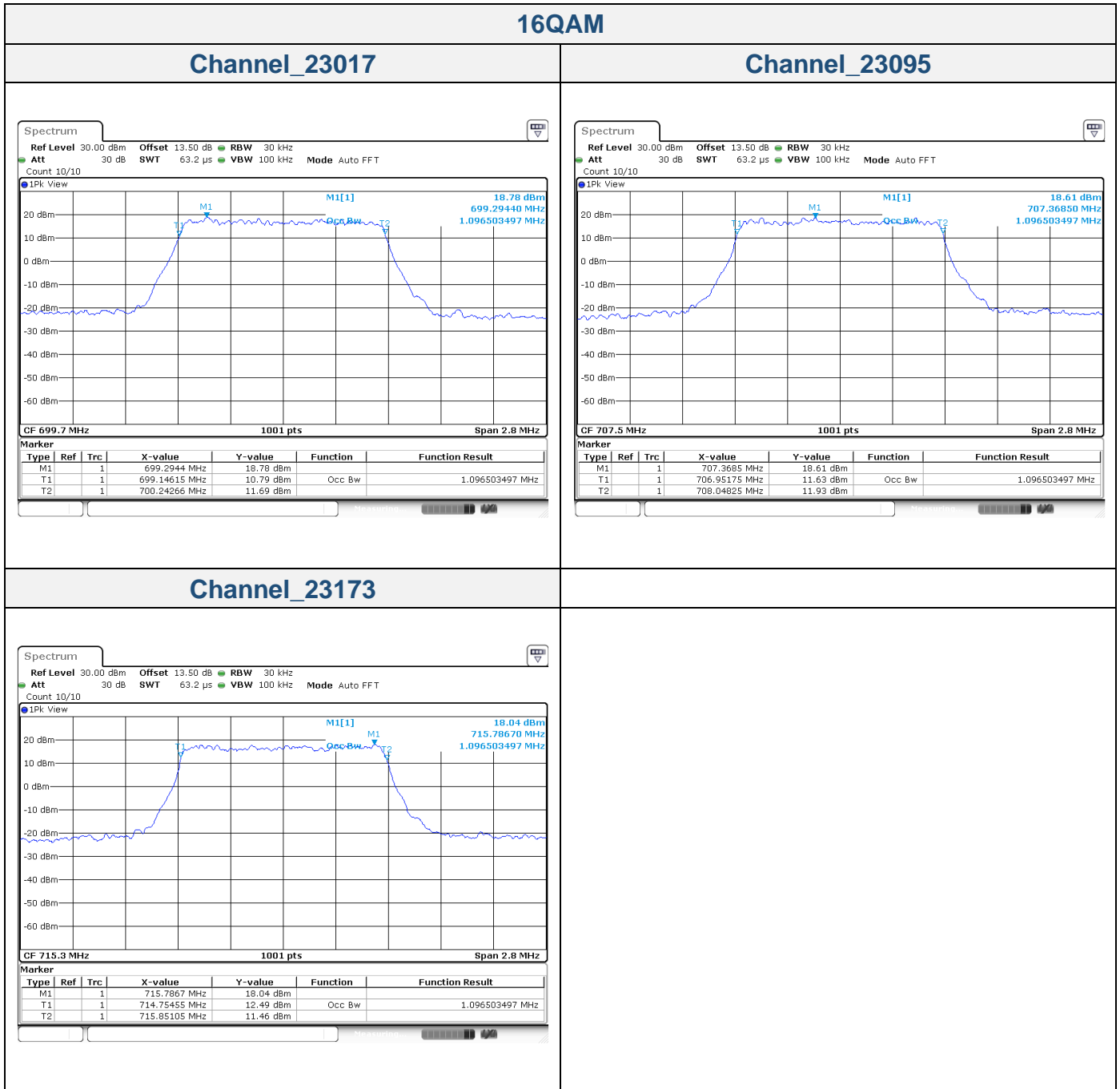
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
20050	1720.0	17.942
20175	1732.5	17.942
20300	1745.0	17.942

QPSK
Channel_20050

Channel_20175

Channel_20300


LTE Band 12 _ Channel Bandwidth: 1.4 MHz

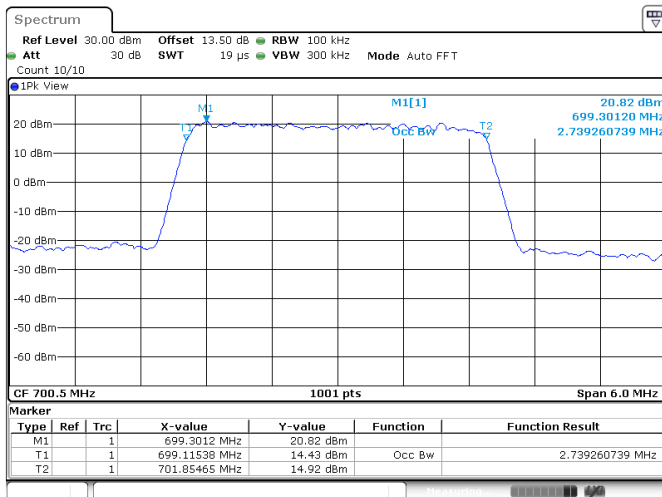
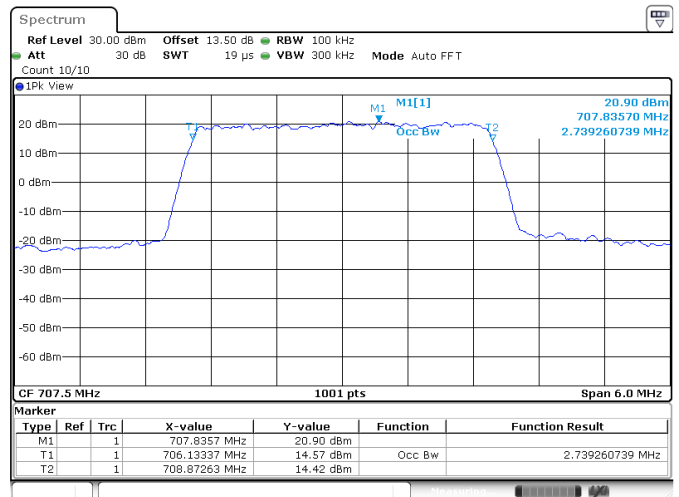
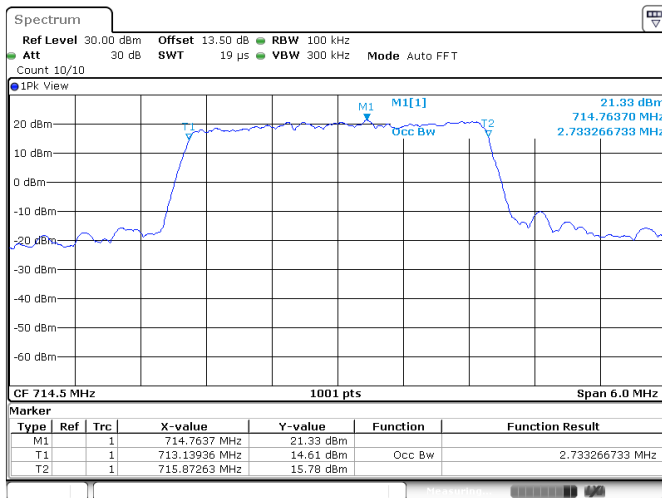
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
23017	699.7	1.097	1.097
23095	707.5	1.102	1.097
23173	715.3	1.099	1.097





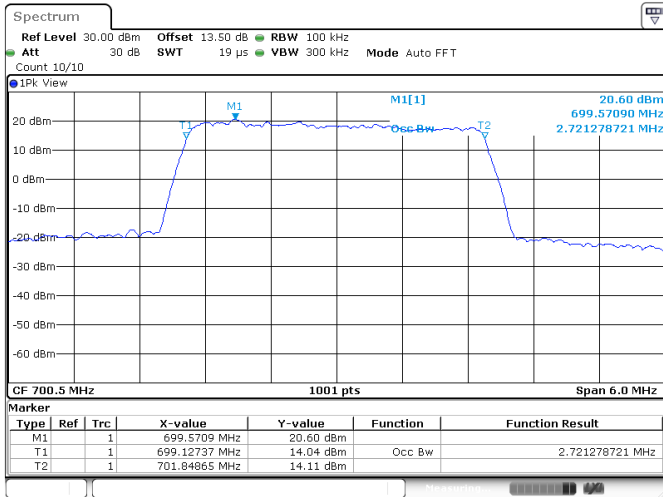
LTE Band 12 _ Channel Bandwidth: 3 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
23025	700.5	2.739	2.721
23095	707.5	2.739	2.757
23165	714.5	2.733	2.733

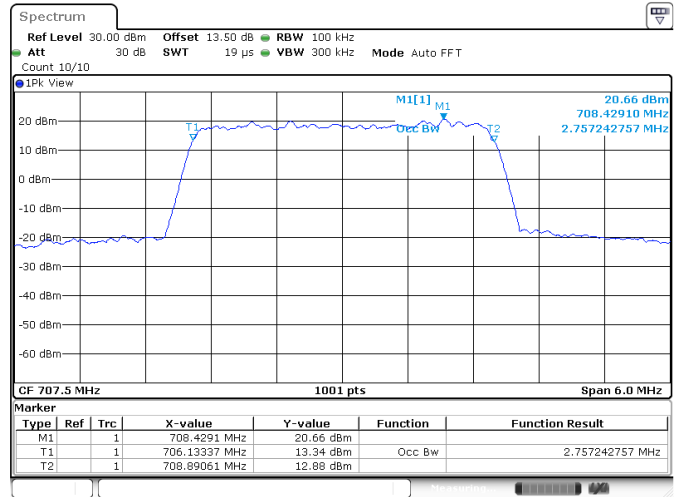
QPSK
Channel_23025

Channel_23095

Channel_23165


16QAM

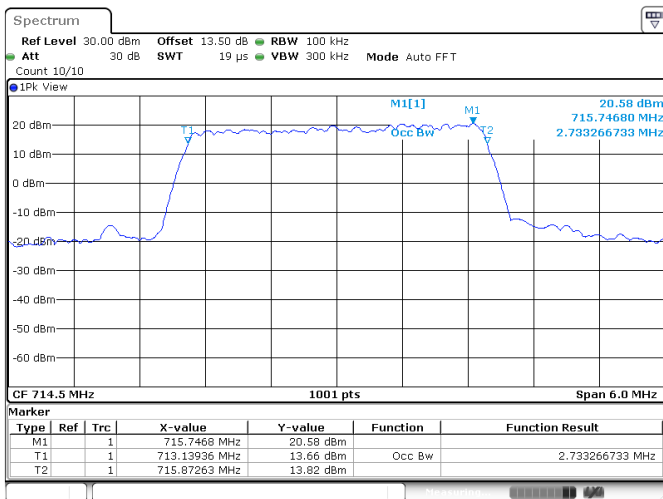
Channel_23025



Channel_23095

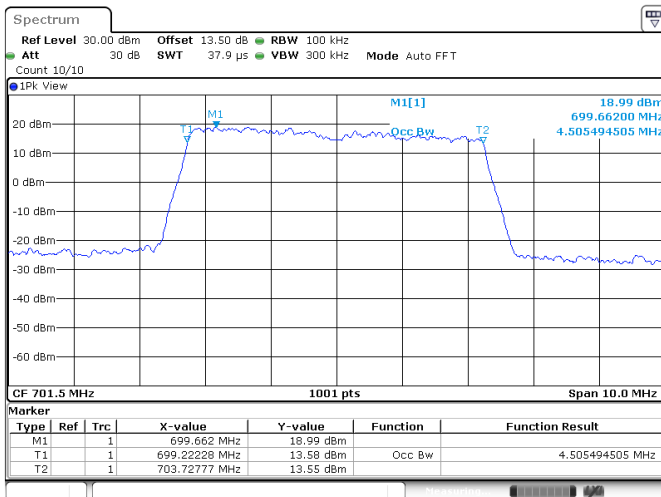
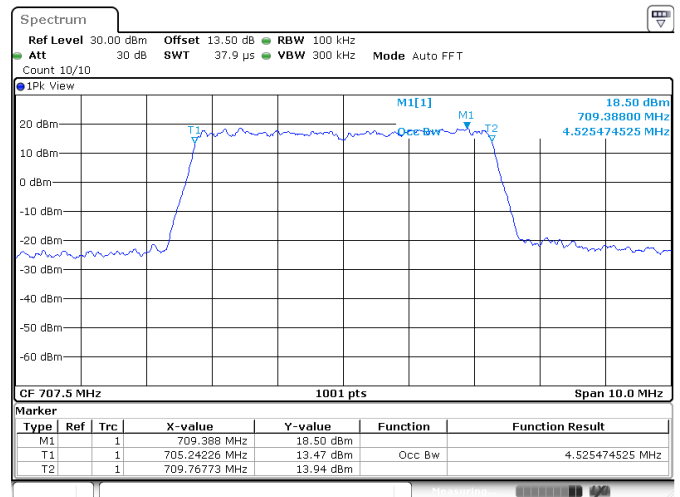
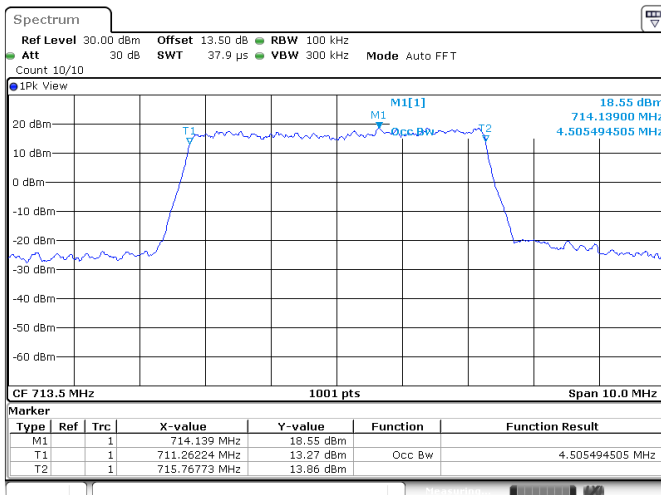


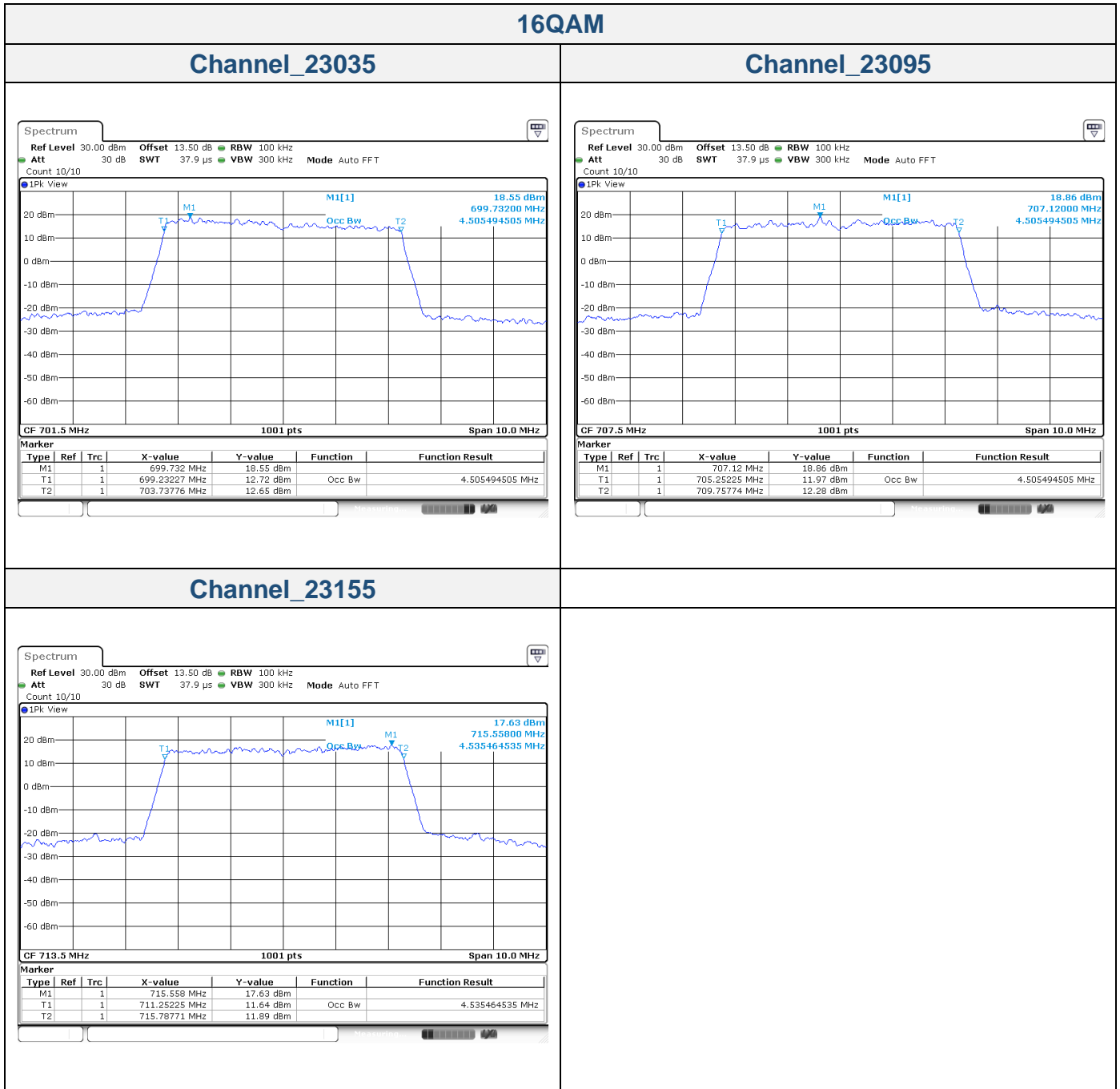
Channel_23165



LTE Band 12 _ Channel Bandwidth: 5 MHz

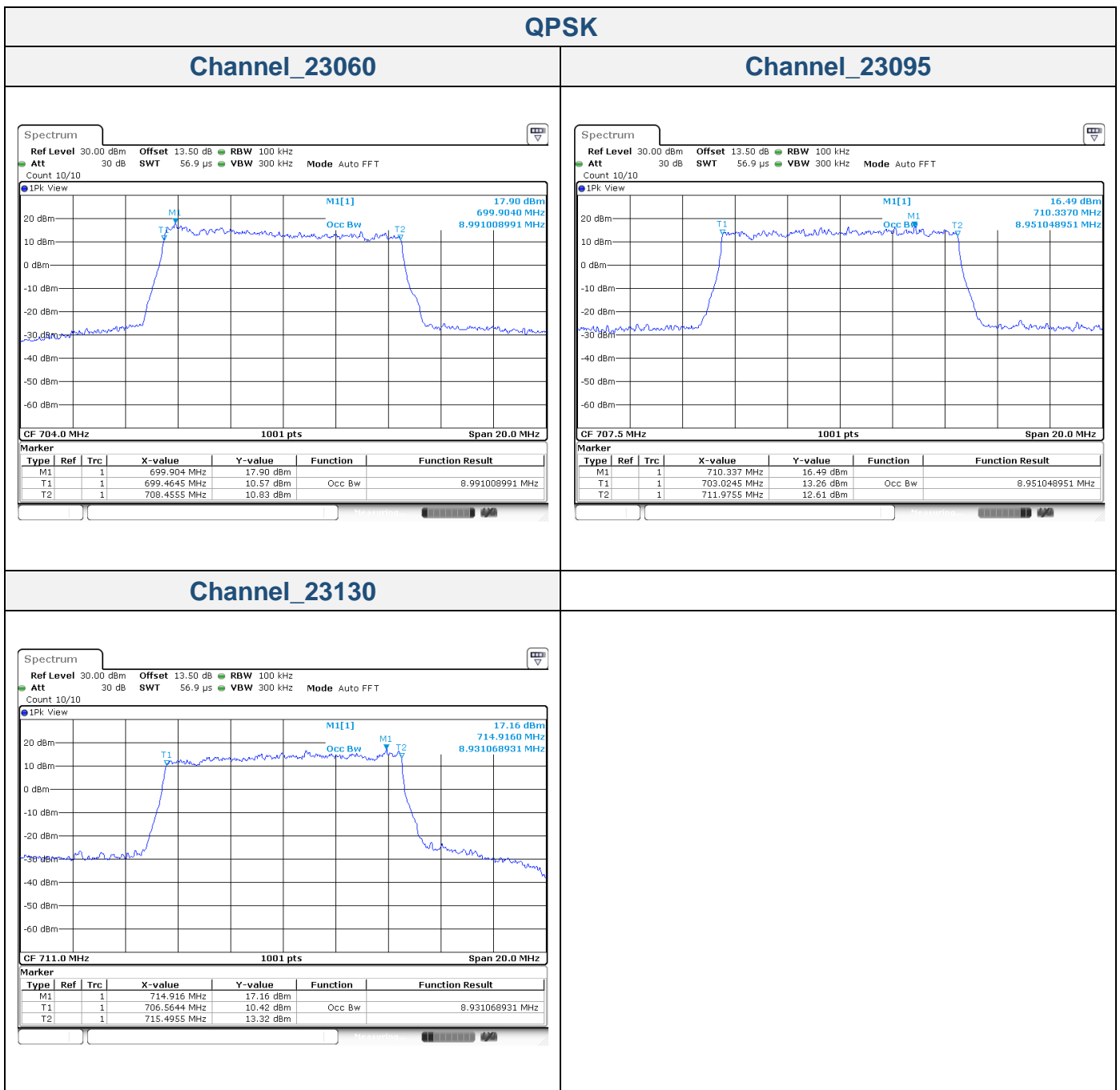
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
23035	701.5	4.505	4.505
23095	707.5	4.525	4.505
23155	713.5	4.505	4.535

QPSK
Channel_23035

Channel_23095

Channel_23155




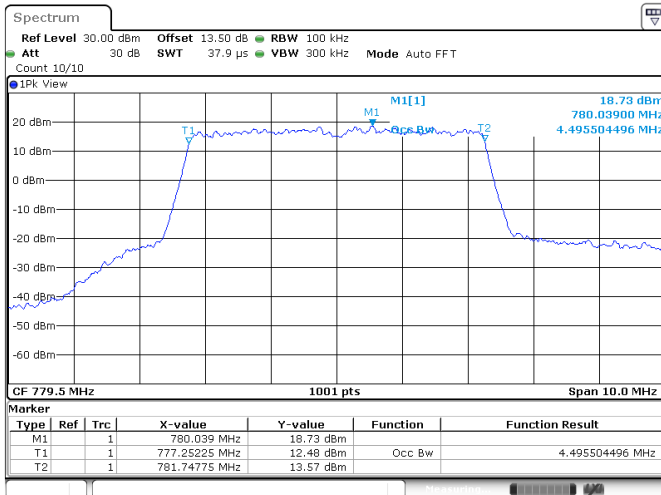
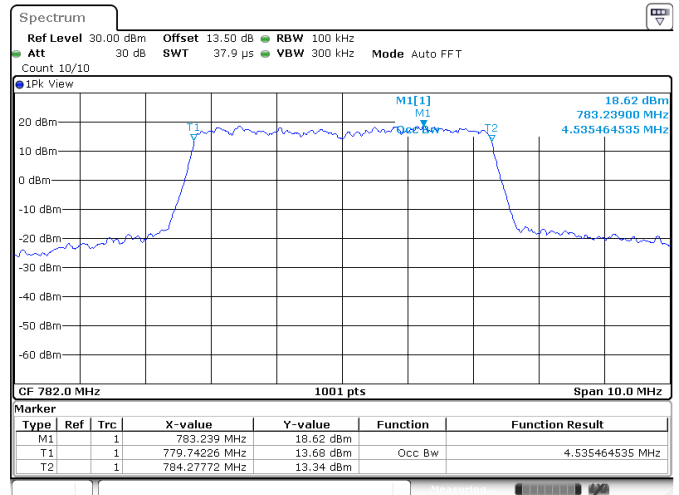
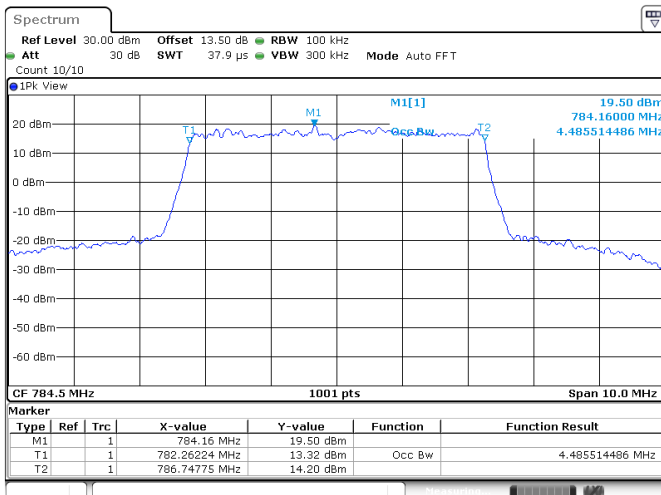
LTE Band 12 _ Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
23060	704.0	8.991
23095	707.5	8.951
23130	711.0	8.931



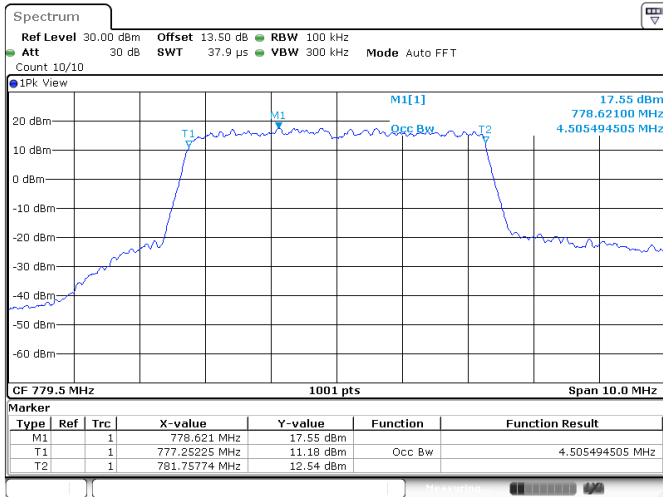
LTE Band 13 _ Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
23205	779.5	4.496	4.505
23230	782.0	4.535	4.515
23255	784.5	4.486	4.505

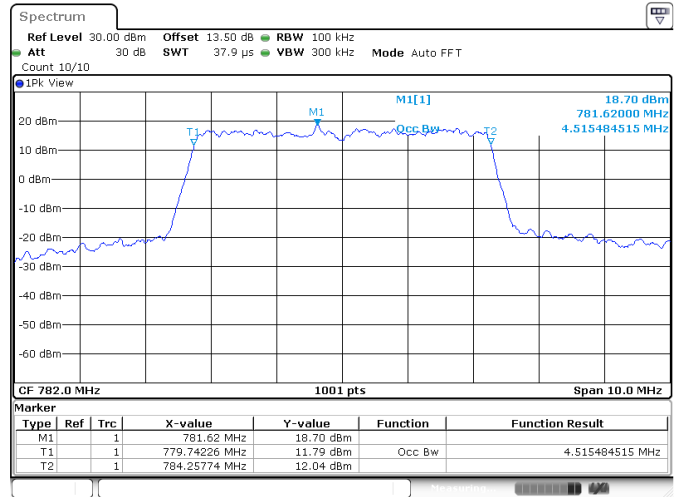
QPSK
Channel_23205

Channel_23230

Channel_23255


16QAM

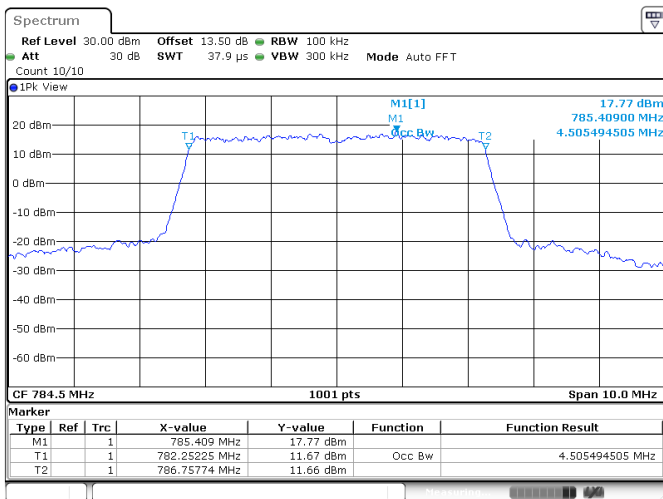
Channel_23205



Channel_23230

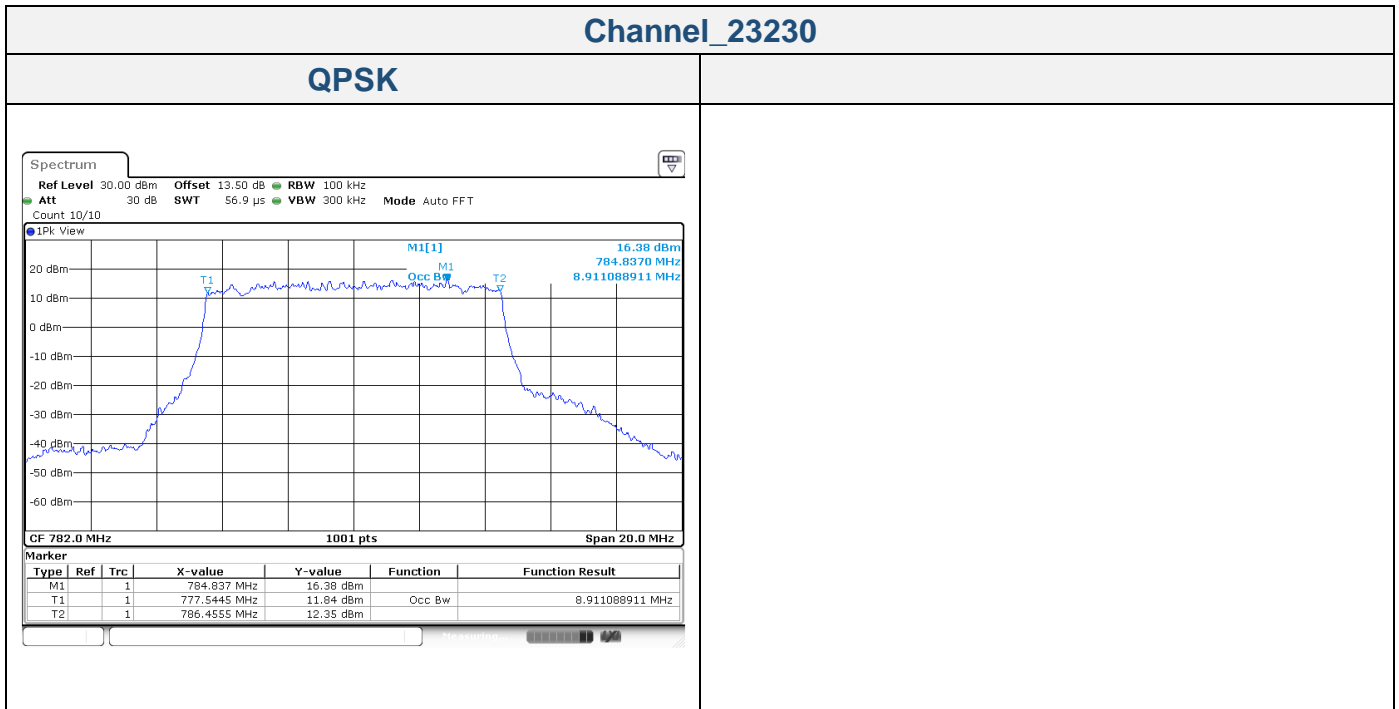


Channel_23255



LTE Band 13 _ Channel Bandwidth: 10 MHz

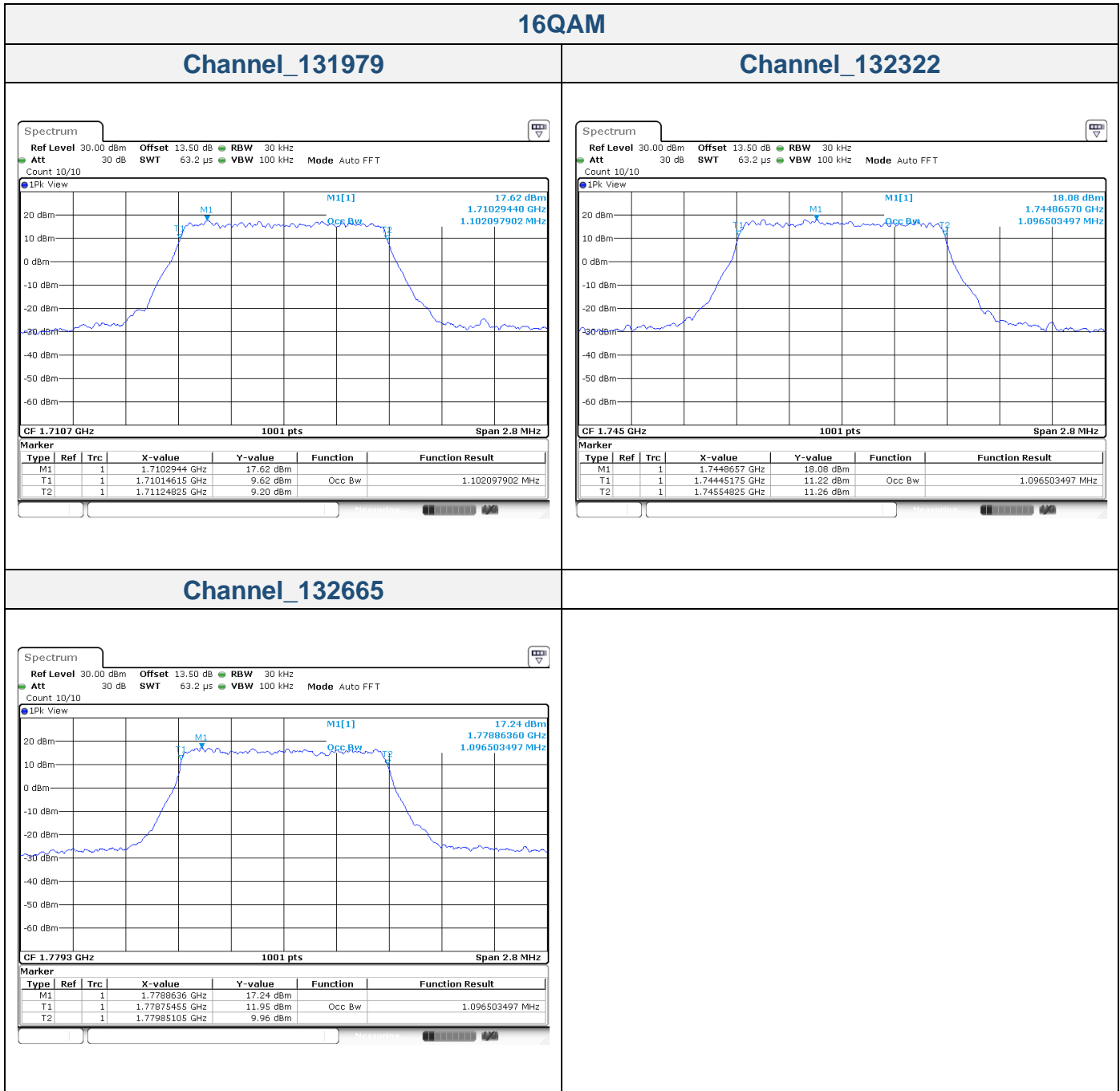
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
23230	782.0	8.911



LTE Band 66 _ Channel Bandwidth: 1.4 MHz

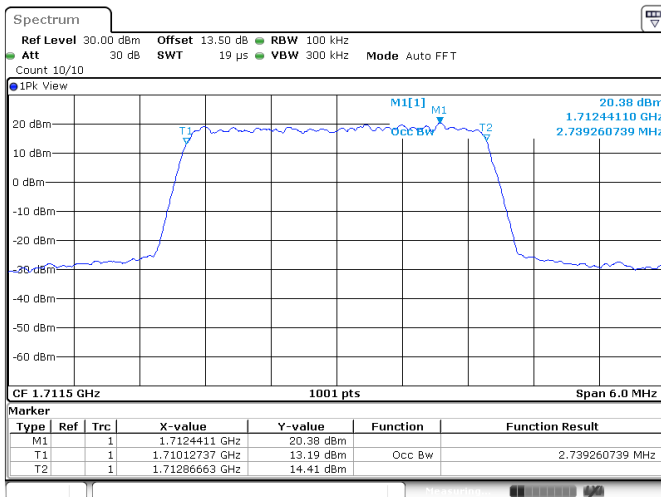
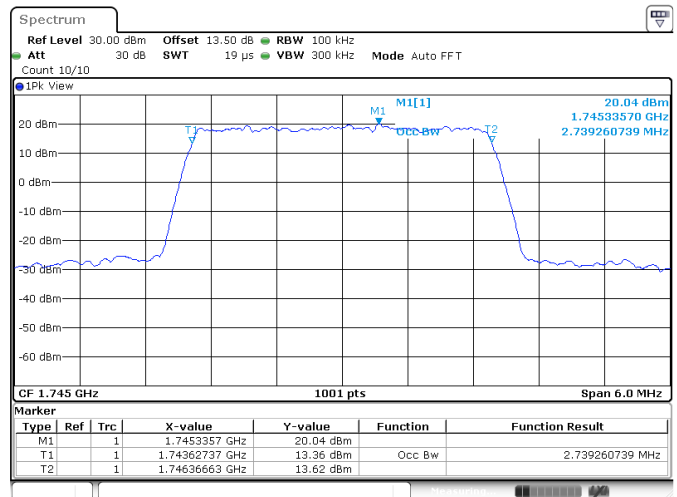
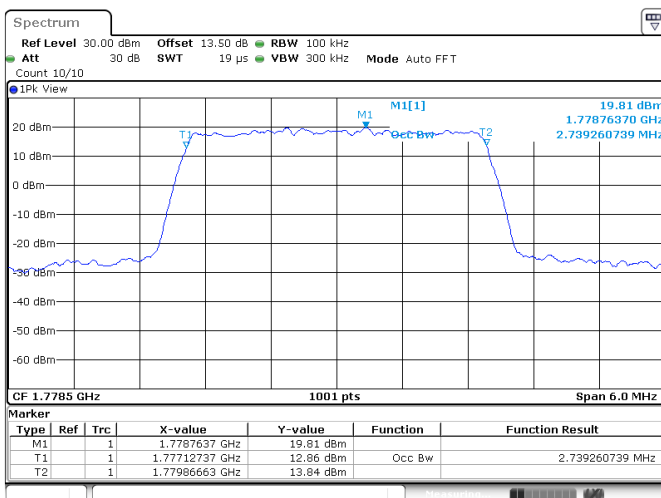
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
131979	1710.7	1.097	1.102
132322	1745.0	1.102	1.097
132665	1779.3	1.099	1.097

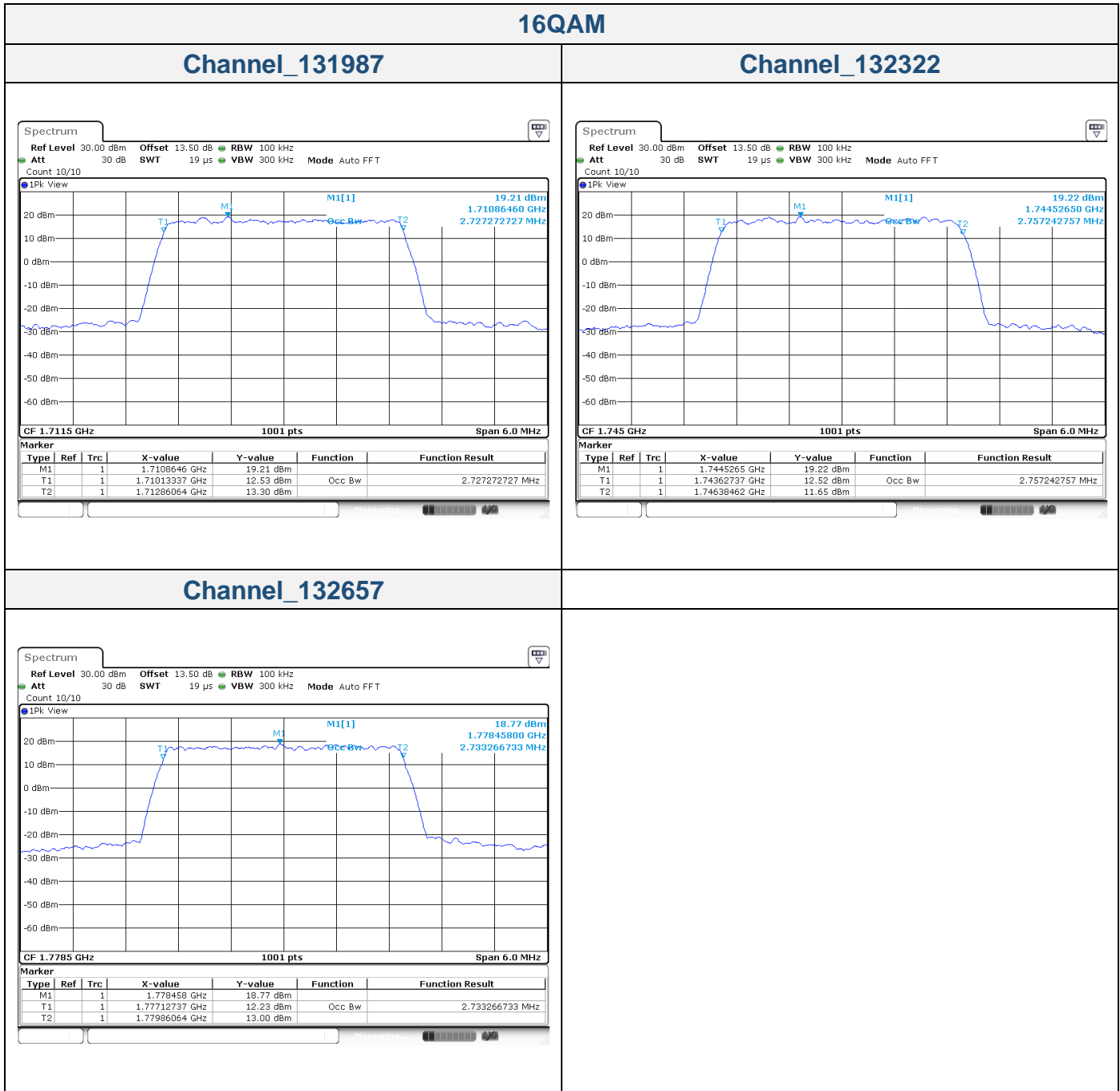




LTE Band 66 _ Channel Bandwidth: 3 MHz

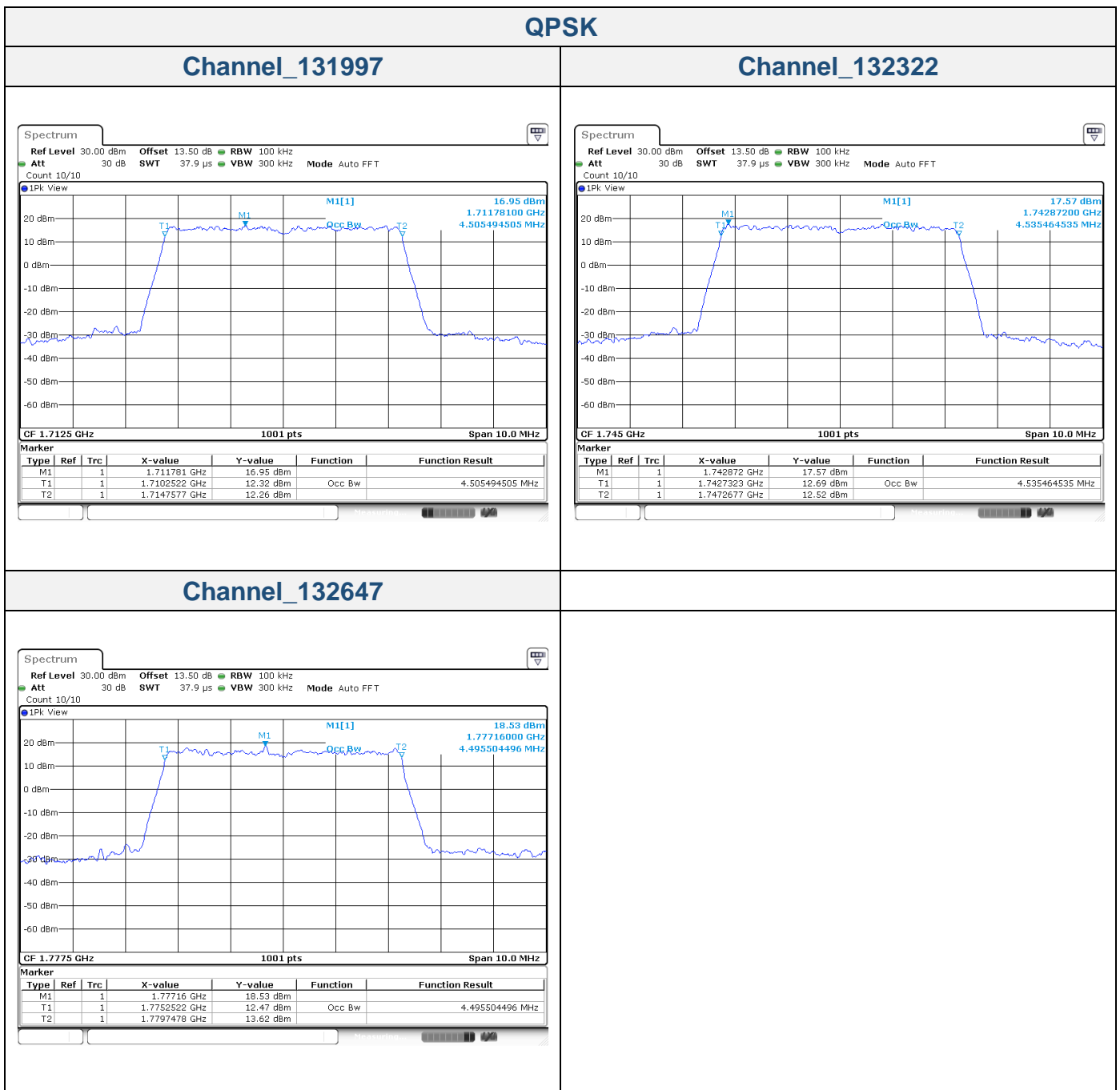
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
131987	1711.5	2.739	2.727
132322	1745.0	2.739	2.757
132657	1778.5	2.739	2.733

QPSK
Channel_131987

Channel_132322

Channel_132657




LTE Band 66 _ Channel Bandwidth: 5 MHz

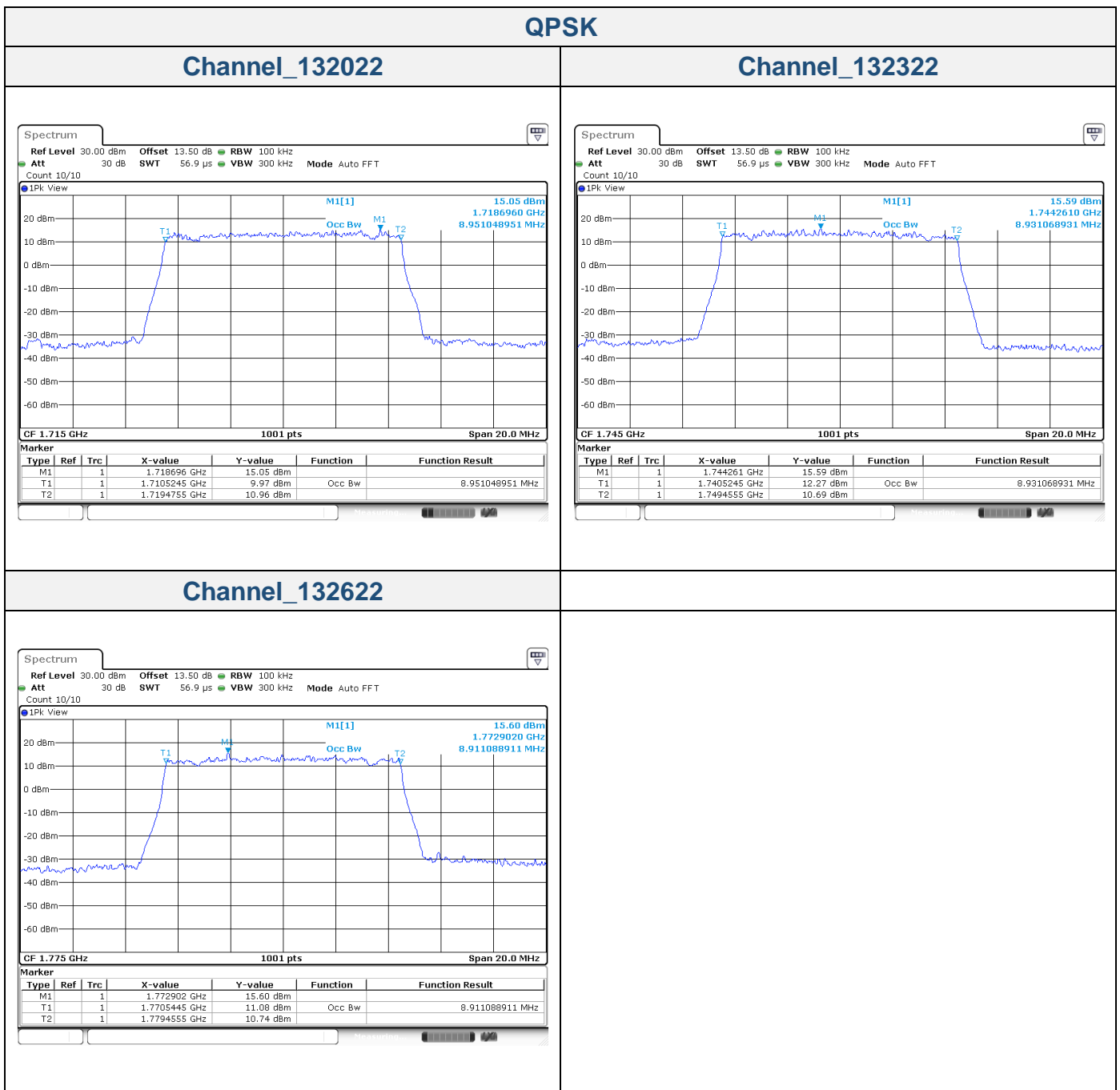
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
131997	1712.5	4.505	4.515
132322	1745.0	4.535	4.505
132647	1777.5	4.496	4.505





LTE Band 66 _ Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		Modulation	Value
132022	1715.0	QPSK	8.951
132322	1745.0	QPSK	8.931
132622	1775.0	QPSK	8.911



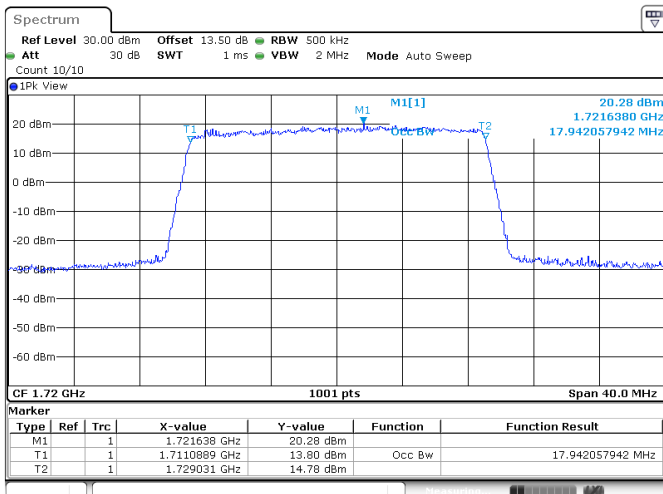
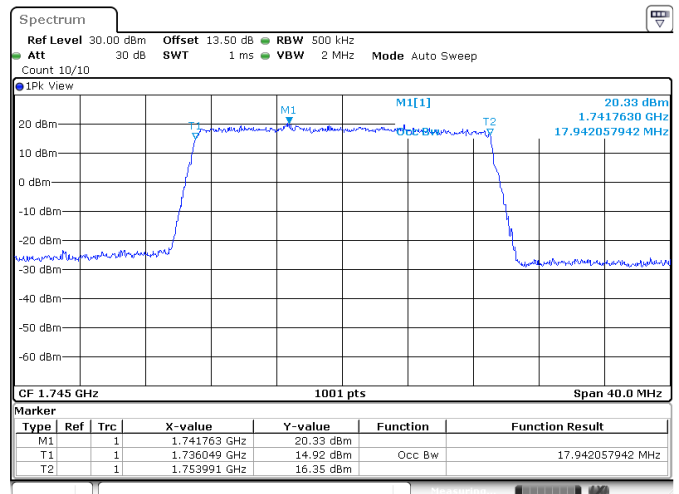
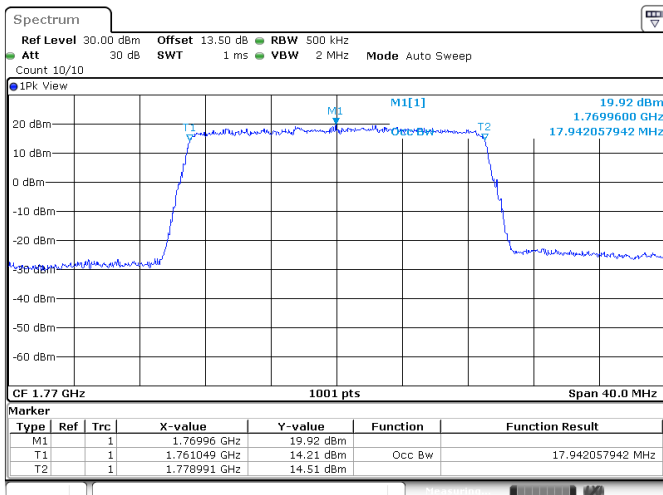
LTE Band 66 _ Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
132047	1717.5	13.397
132322	1745.0	13.457
132597	1772.5	13.427



LTE Band 66 _ Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		QPSK
132072	1720.0	17.942
132322	1745.0	17.942
132572	1770.0	17.942

QPSK
Channel_132072

Channel_132322

Channel_132572


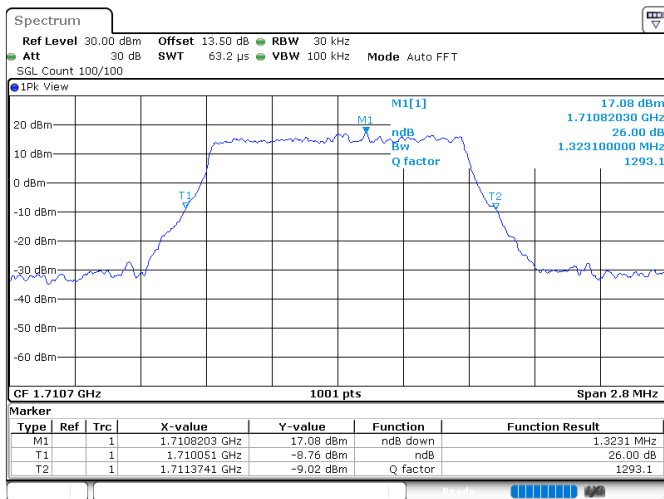
26 dB Bandwidth

LTE Band 4 _ Channel Bandwidth: 1.4 MHz

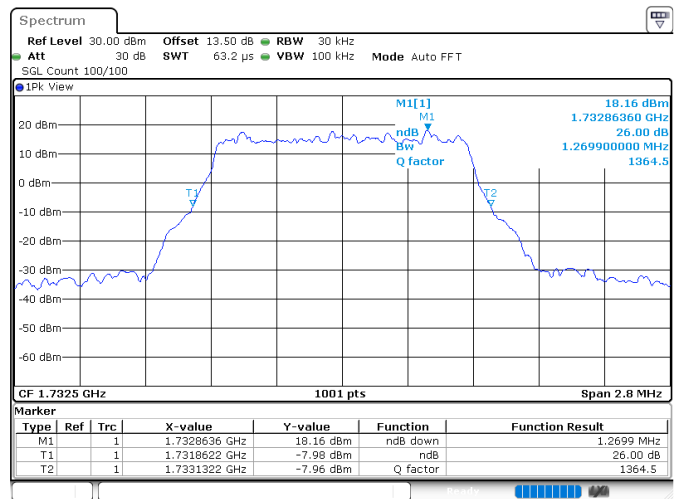
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
19957	1710.7	1.323	1.309
20175	1732.5	1.270	1.306
20393	1754.3	1.259	1.306

QPSK

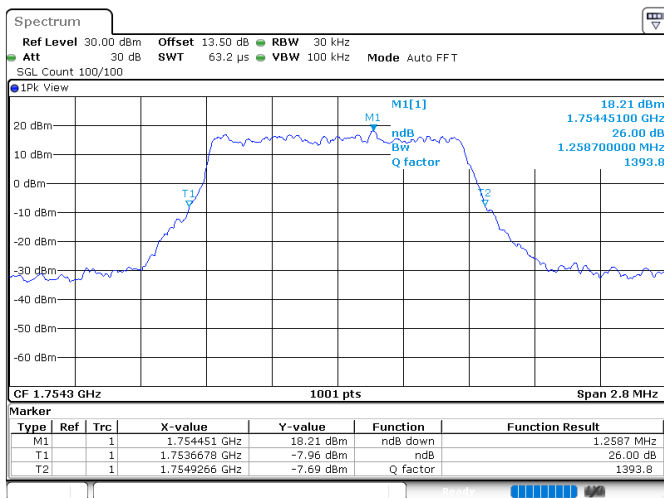
Channel_19957

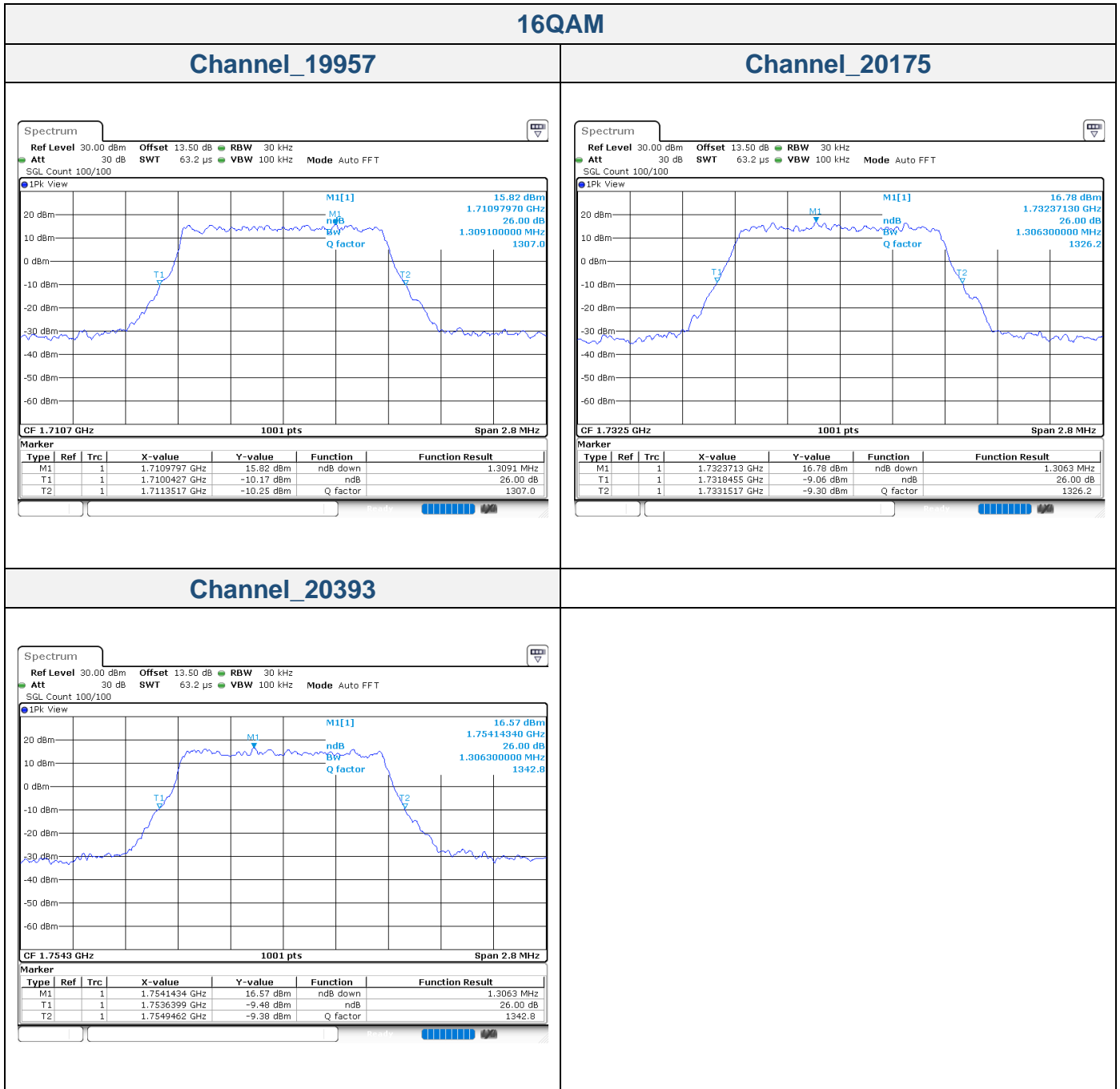


Channel_20175



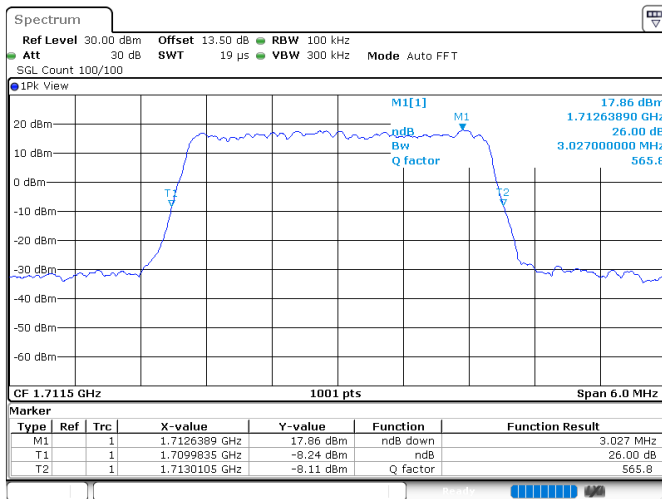
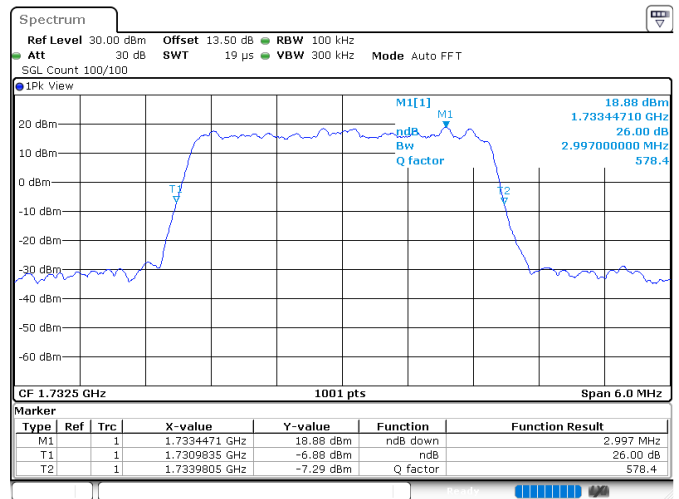
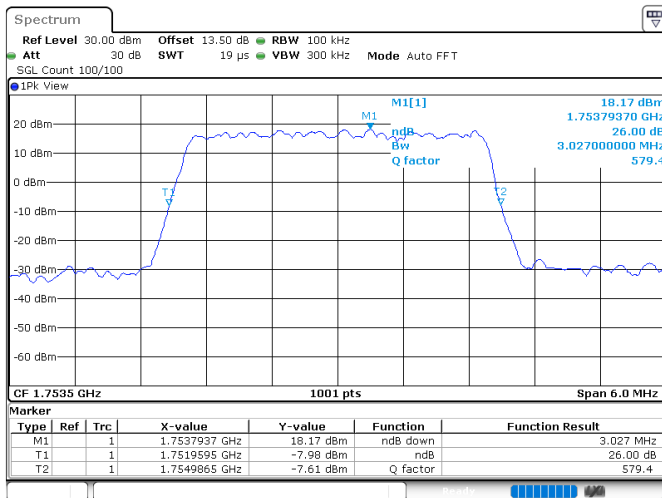
Channel_20393

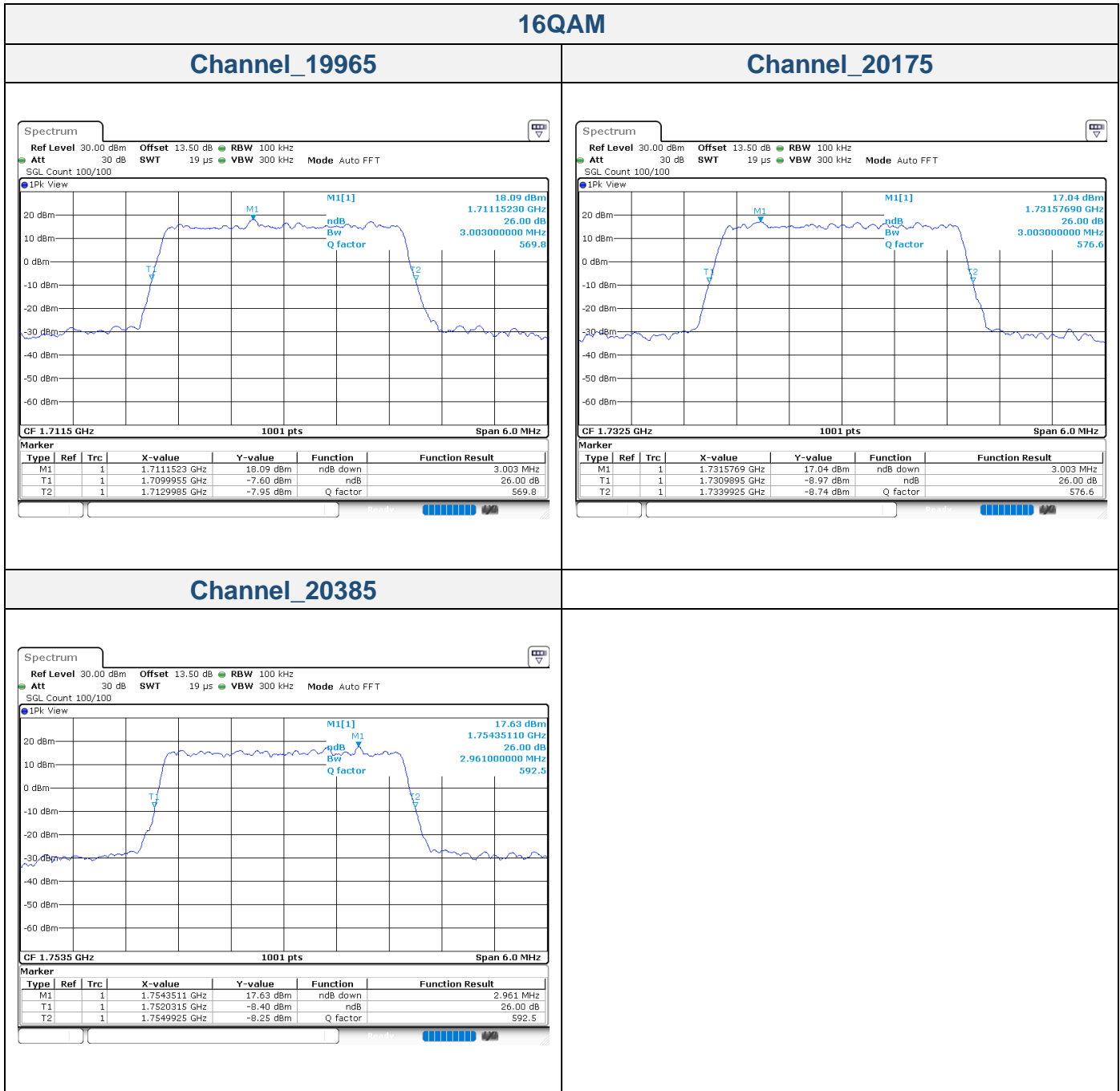




LTE Band 4 _ Channel Bandwidth: 3 MHz

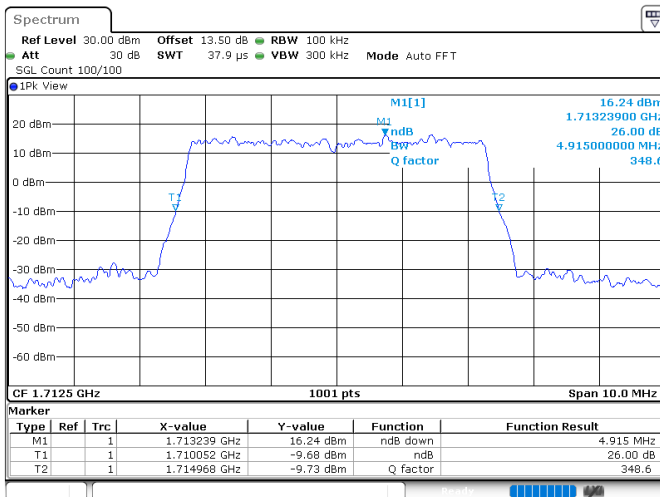
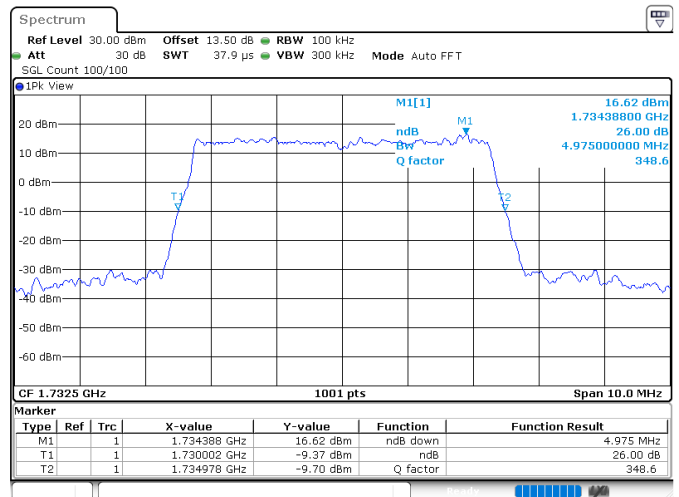
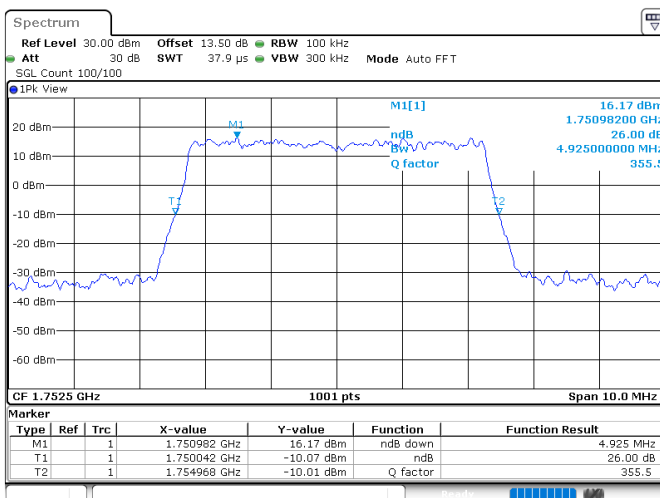
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
19965	1711.5	3.027	3.003
20175	1732.5	2.997	3.003
20385	1753.5	3.027	2.961

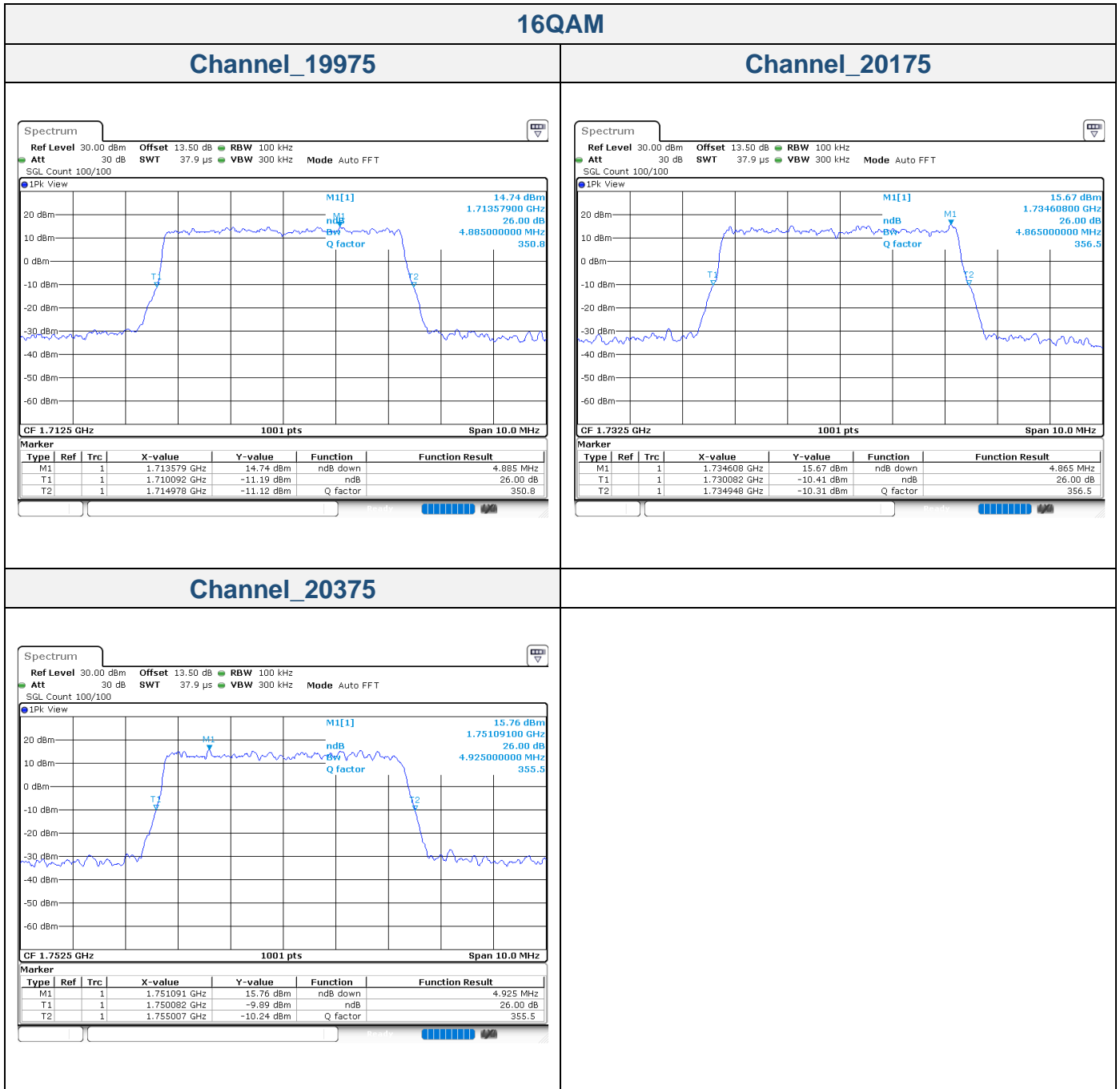
QPSK
Channel_19965

Channel_20175

Channel_20385




LTE Band 4 _ Channel Bandwidth: 5 MHz

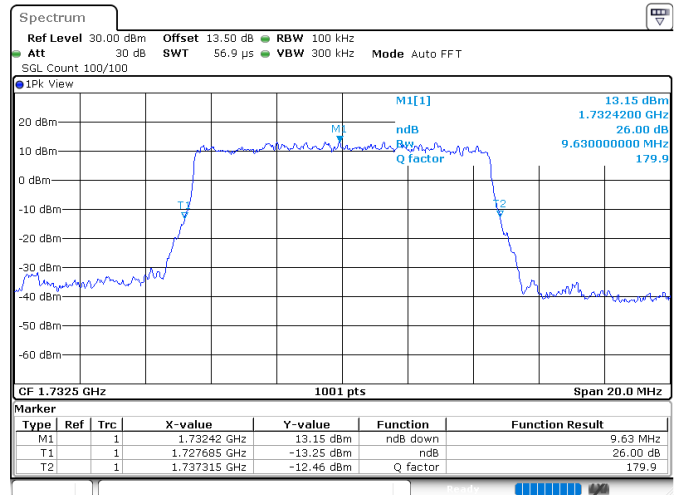
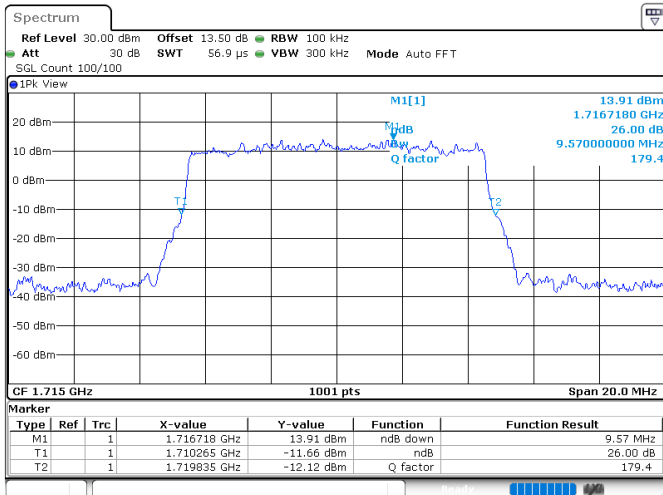
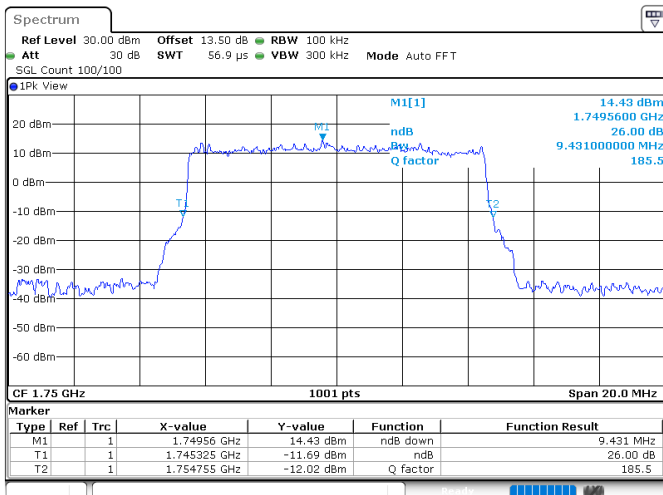
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
19975	1712.5	4.915	4.885
20175	1732.5	4.975	4.865
20375	1752.5	4.925	4.925

QPSK
Channel_19975

Channel_20175

Channel_20375




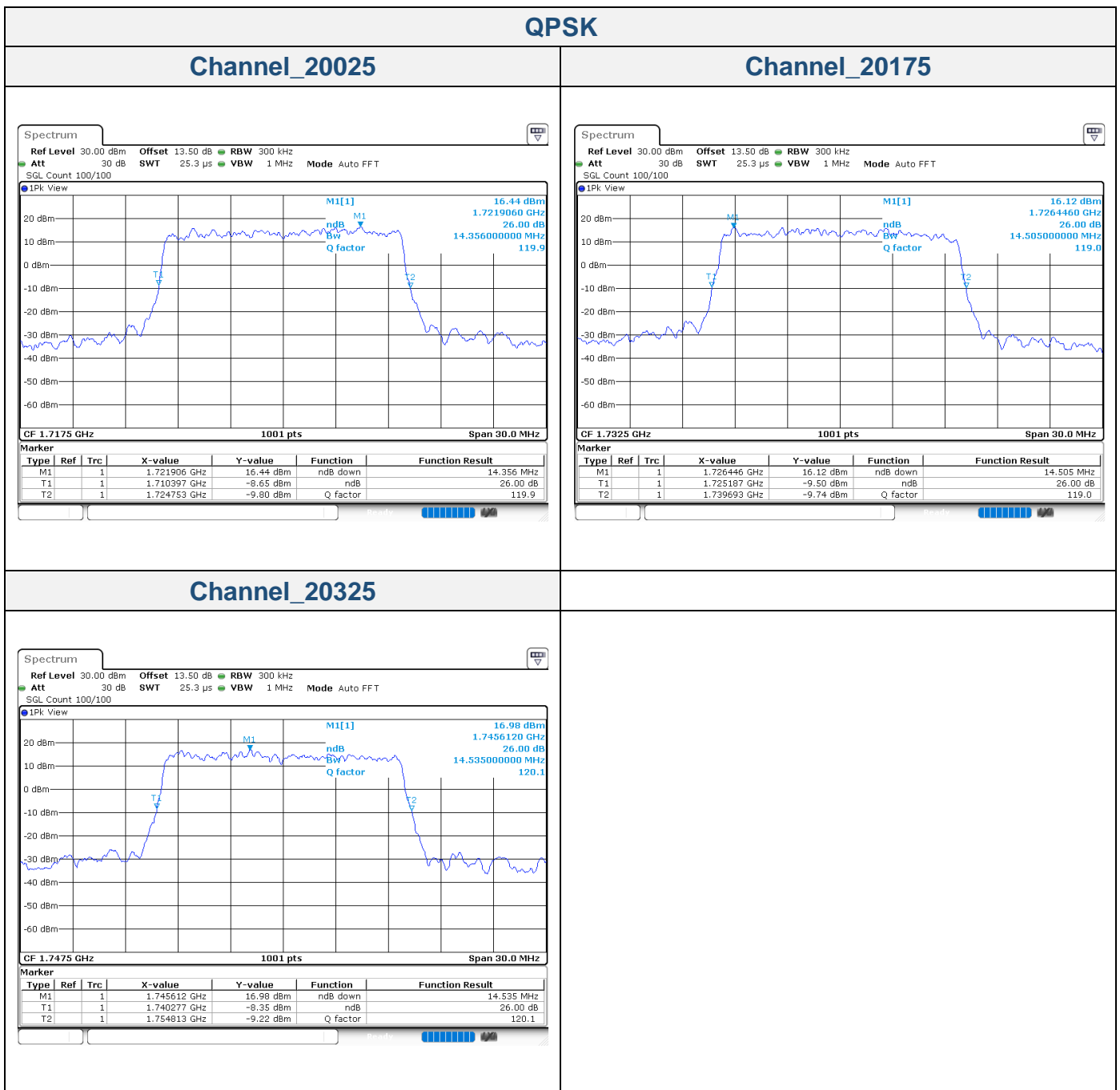
LTE Band 4 _ Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
		QPSK
20000	1715.0	9.570
20175	1732.5	9.630
20350	1750.0	9.431

QPSK
Channel_20000
Channel_20175

Channel_20350


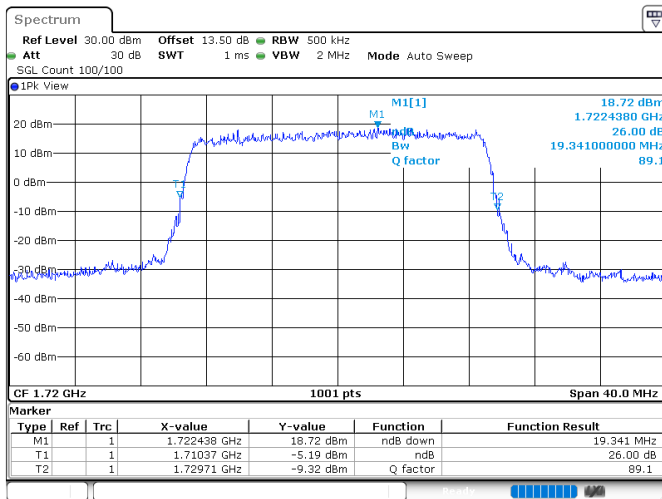
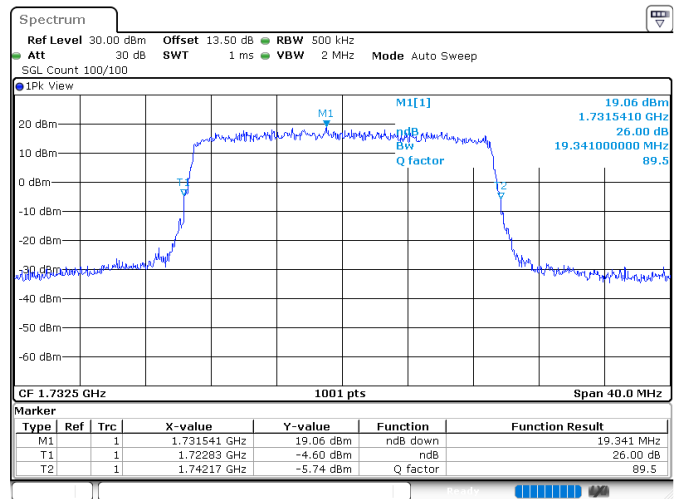
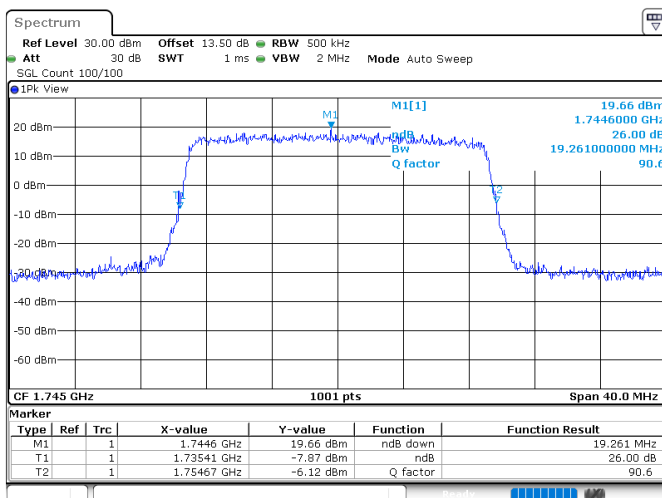
LTE Band 4 _ Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
		QPSK
20025	1717.5	14.356
20175	1732.5	14.505
20325	1747.5	14.535



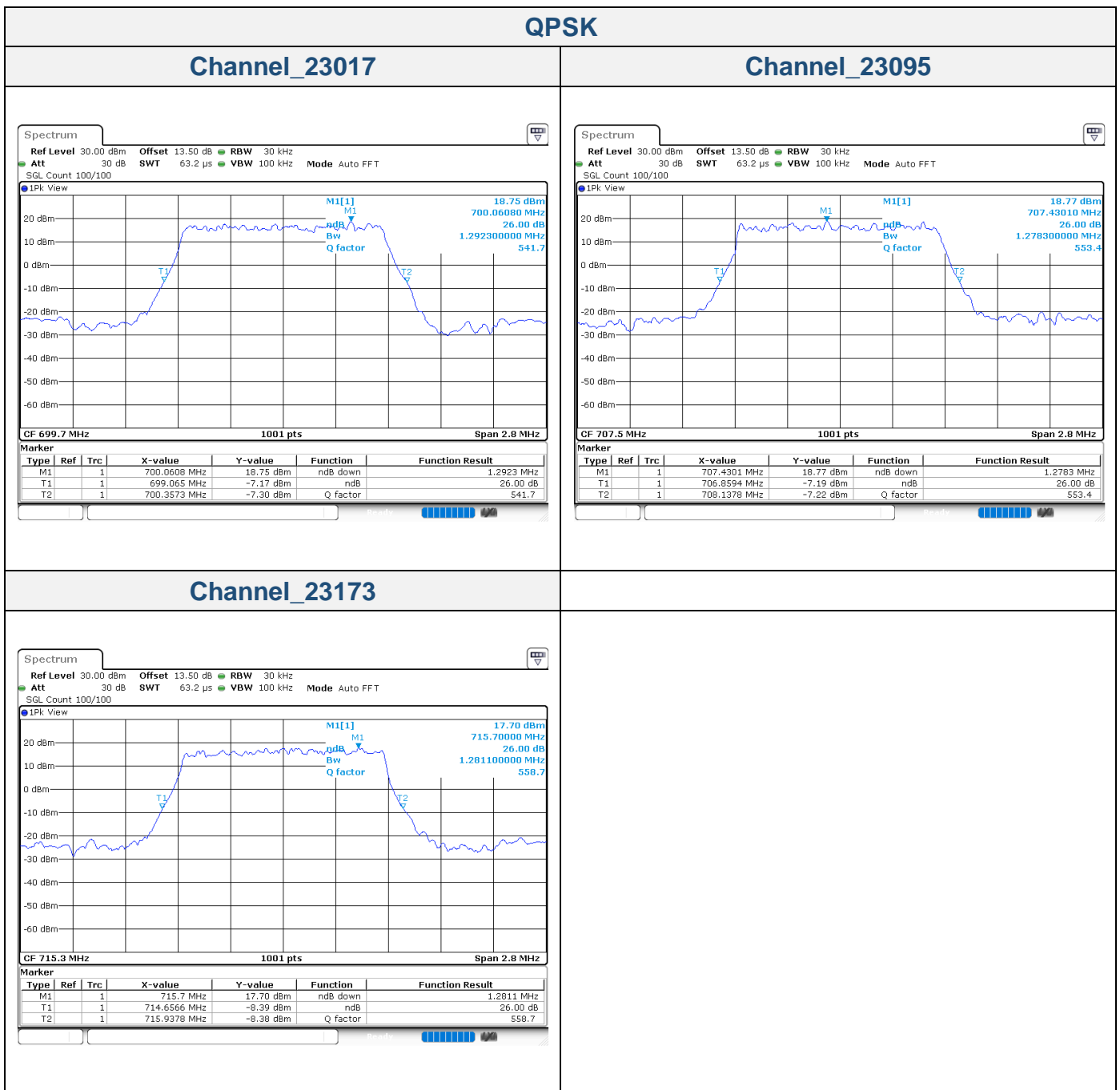
LTE Band 4 _ Channel Bandwidth: 20 MHz

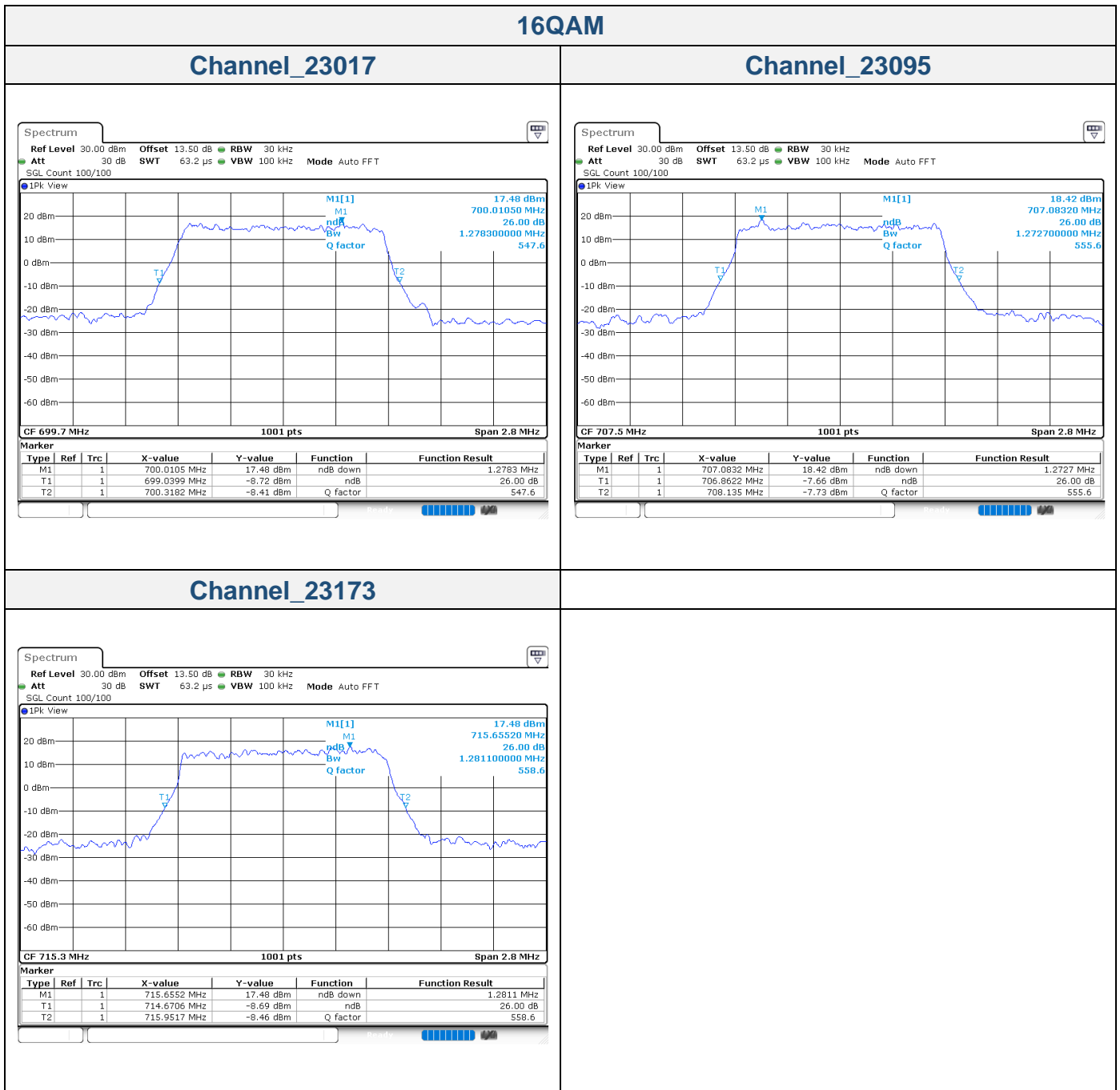
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
		QPSK
20050	1720.0	19.341
20175	1732.5	19.341
20300	1745.0	19.261

QPSK
Channel_20050

Channel_20175

Channel_20300


LTE Band 12 _ Channel Bandwidth: 1.4 MHz

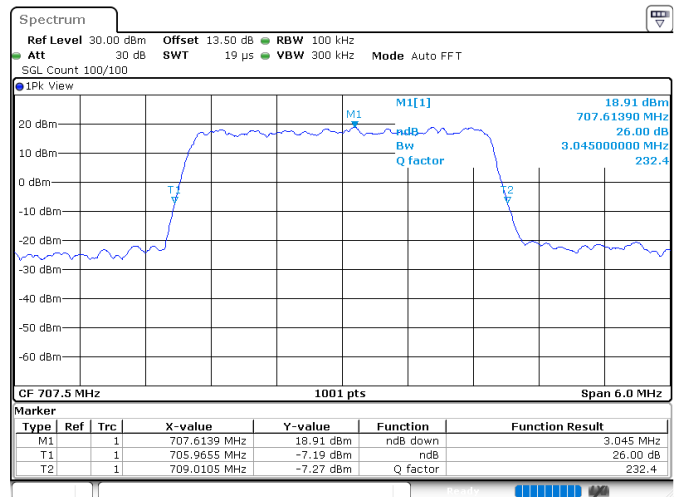
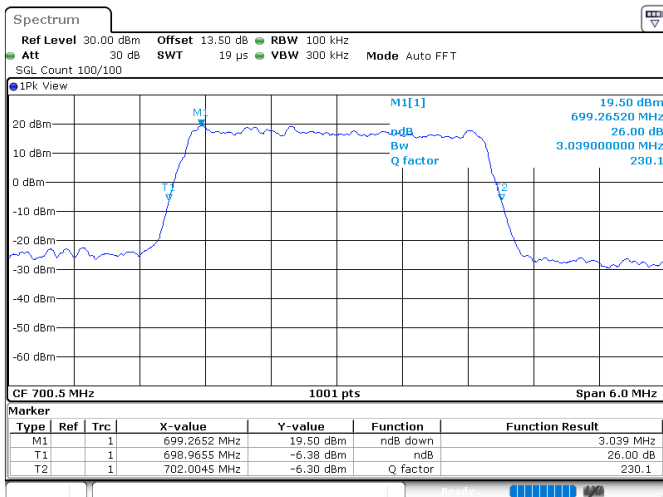
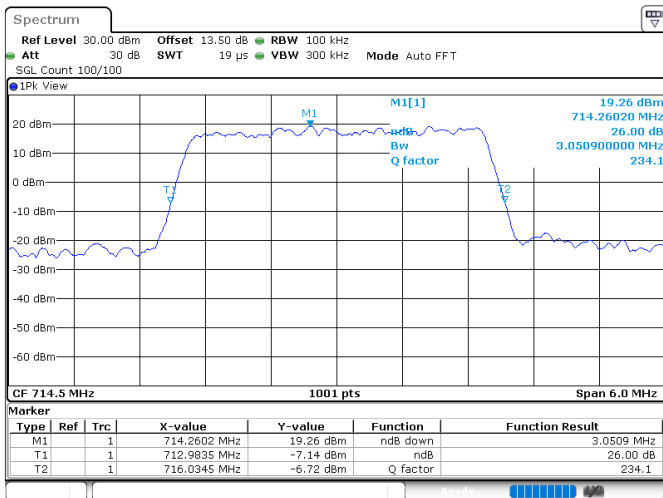
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
23017	699.7	1.292	1.278
23095	707.5	1.278	1.273
23173	715.3	1.281	1.281





LTE Band 12 _ Channel Bandwidth: 3 MHz

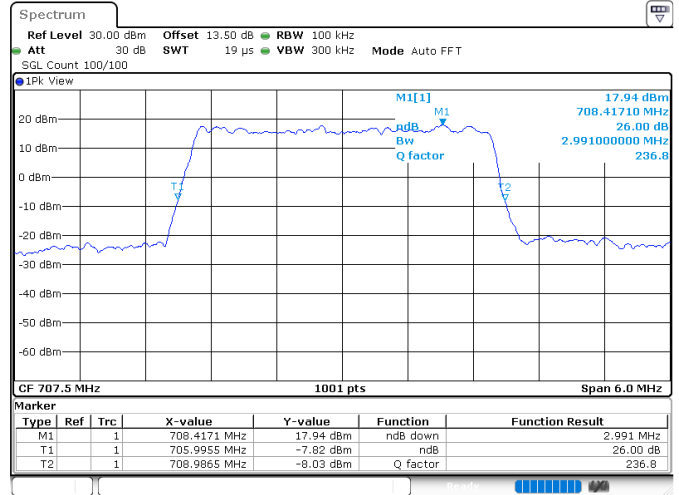
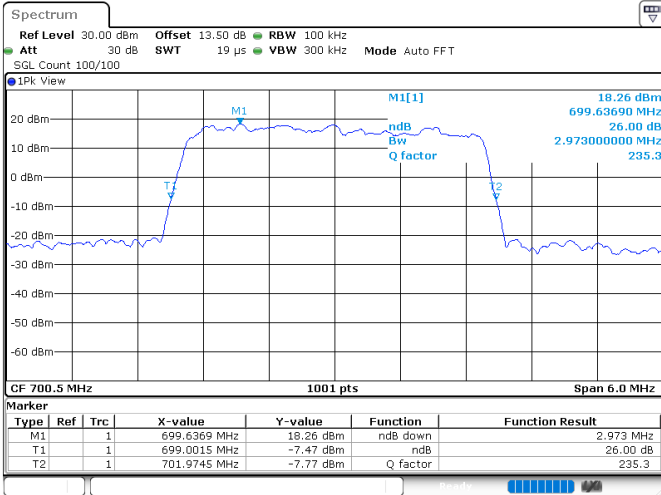
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
23025	700.5	3.039	2.973
23095	707.5	3.045	2.991
23165	714.5	3.051	3.057

QPSK
Channel_23025
Channel_23095

Channel_23165


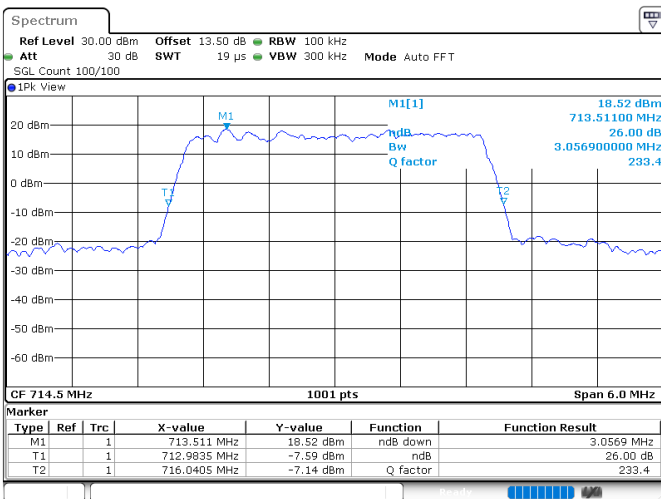
16QAM

Channel_23025

Channel_23095

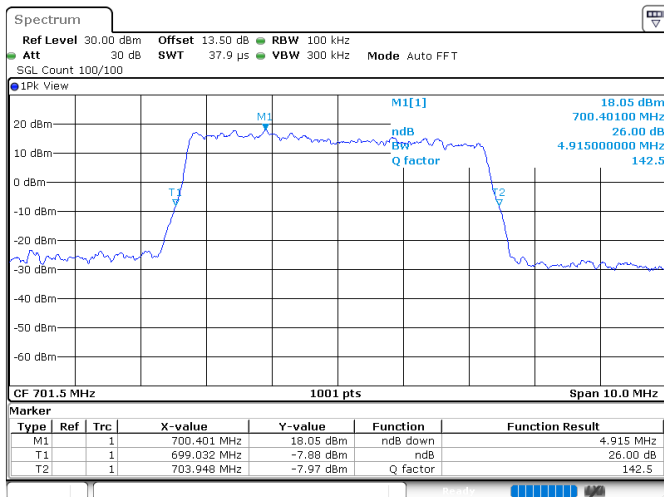
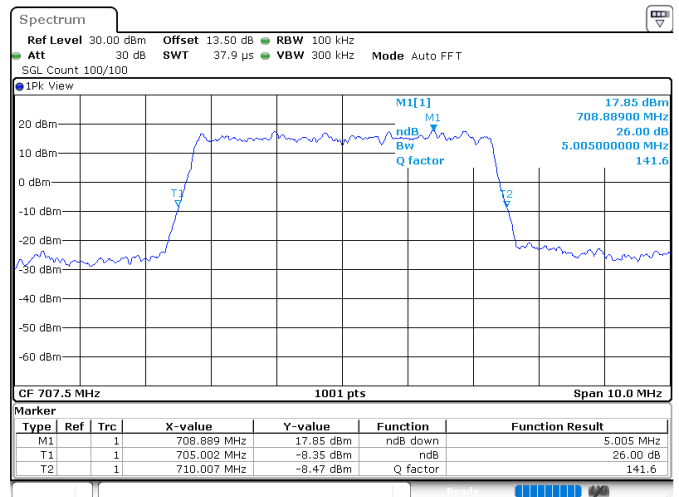
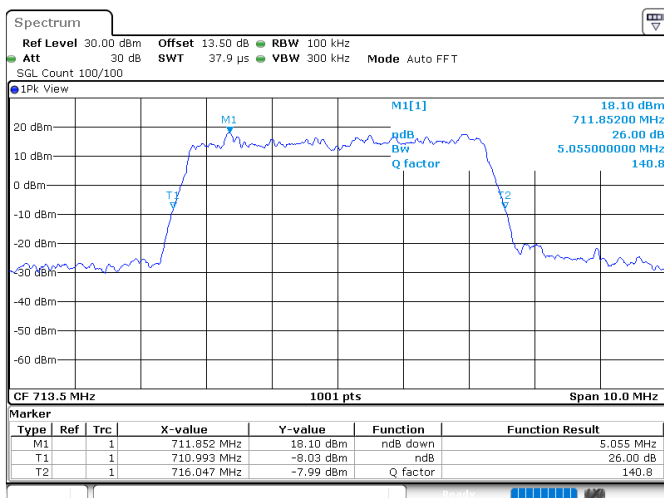


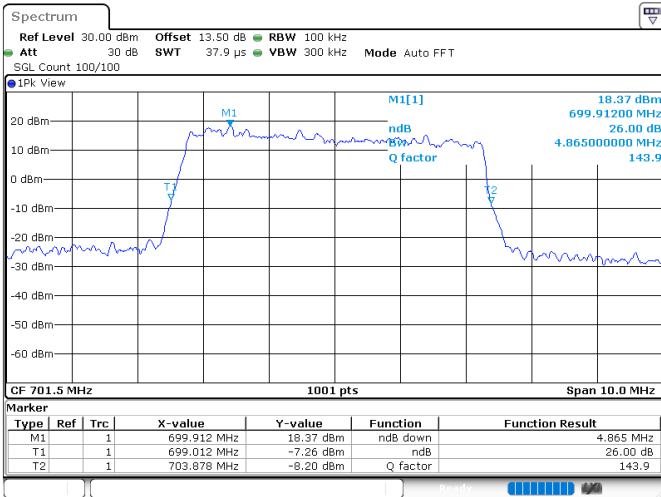
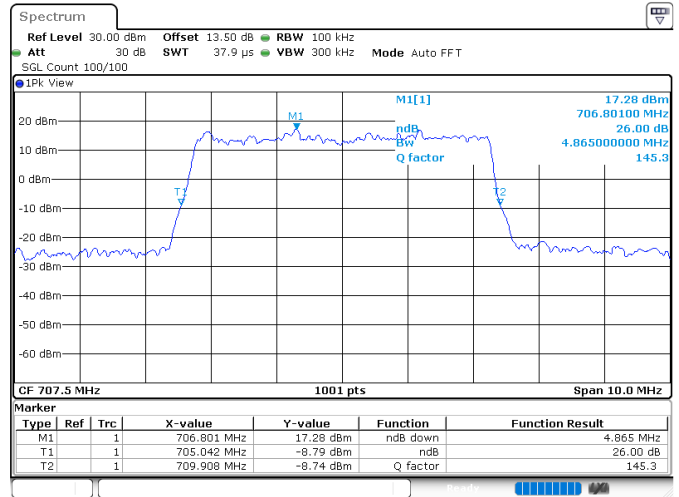
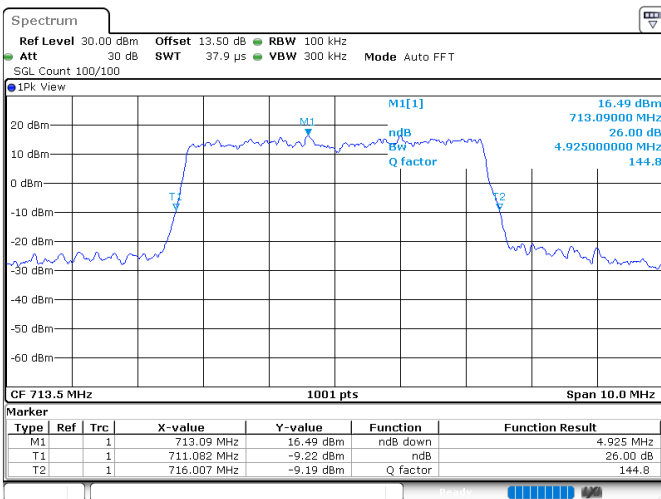
Channel_23165



LTE Band 12 _ Channel Bandwidth: 5 MHz

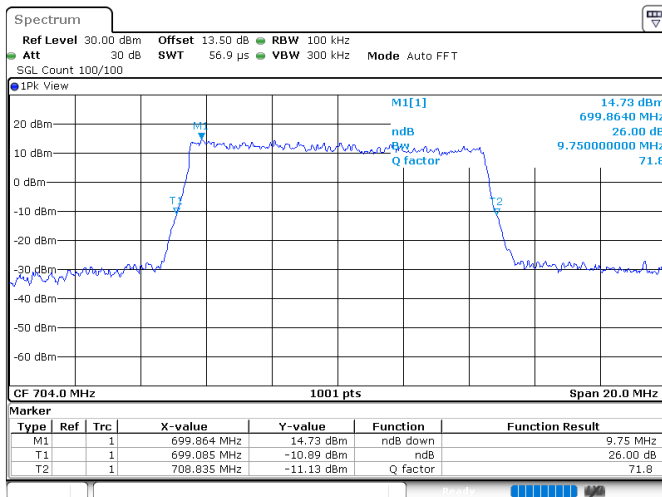
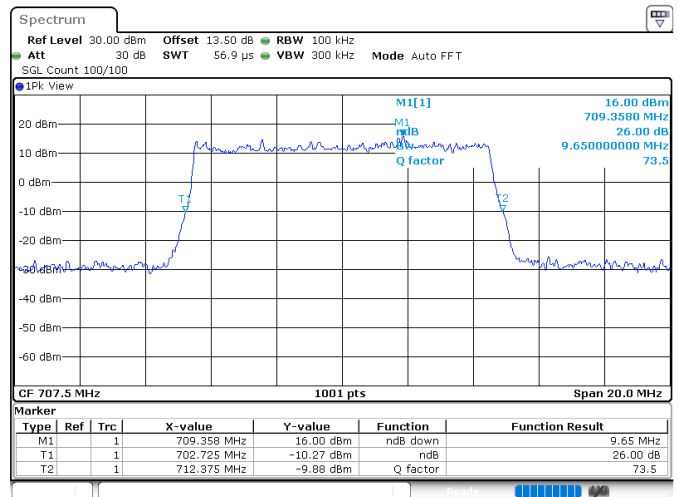
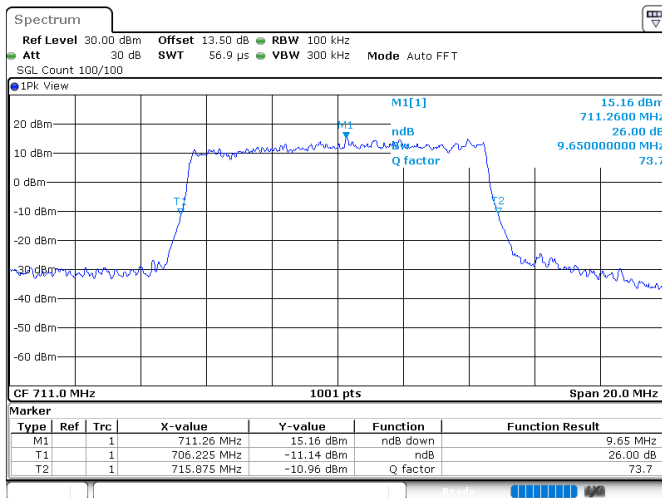
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
23035	701.5	4.915	4.865
23095	707.5	5.005	4.865
23155	713.5	5.055	4.925

QPSK
Channel_23035

Channel_23095

Channel_23155


16QAM
Channel_23035

Channel_23095

Channel_23155


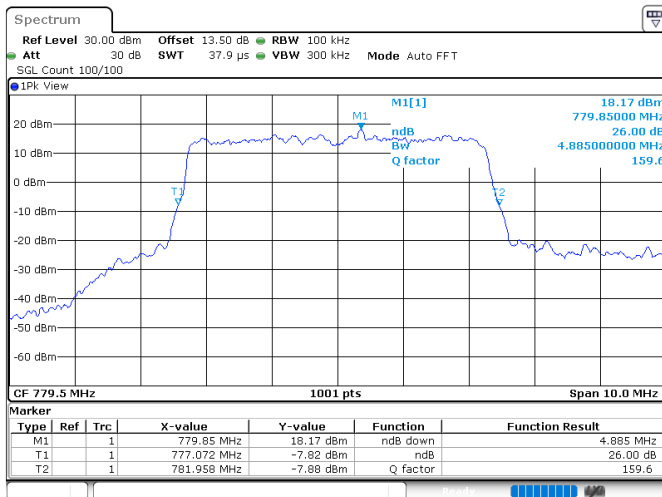
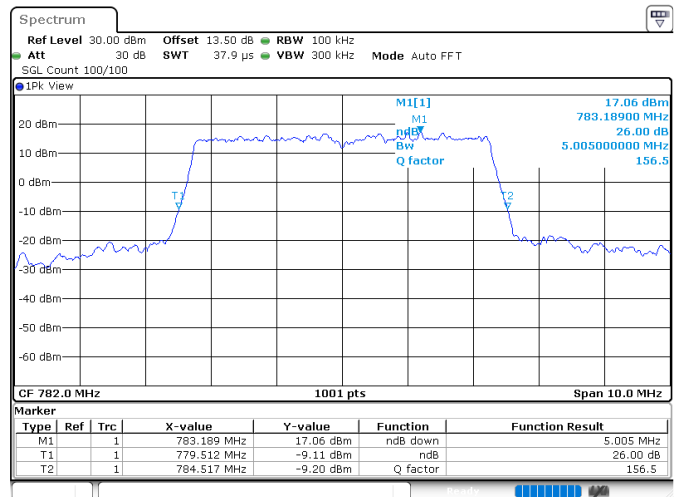
LTE Band 12 _ Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
		QPSK
23060	704.0	9.750
23095	707.5	9.650
23130	711.0	9.650

QPSK
Channel_23060

Channel_23095

Channel_23130


LTE Band 13 _ Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		QPSK	16QAM
23205	779.5	4.885	4.945
23230	782.0	5.005	5.015
23255	784.5	4.905	4.905

QPSK
Channel_23205

Channel_23230

Channel_23255
