

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 4

1 RF Power Output

Test result: Antenna Gain: 1.47dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1710.7	19957	1.4	1	0	21.8	23.27
				1	5	21.9	23.37
				3	2	20.7	22.17
				6	0	20.5	21.97
	1732.5	20175		1	0	21.8	23.27
				1	5	21.7	23.17
				3	2	20.7	22.17
				6	0	20.5	21.97
	1754.3	20393		1	0	21.8	23.27
				1	5	21.7	23.17
				3	2	20.7	22.17
				6	0	20.5	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1710.7	19957	1.4	1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.4	21.87
				6	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.4	21.87
				6	0	20.2	21.67
	1754.3	20393		1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.4	21.87
				6	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1710.7	19957	1.4	1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.3	21.77
				6	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.3	21.77
				6	0	20.2	21.67
	1754.3	20393		1	0	21.7	23.17
				1	5	21.8	23.27
				3	2	20.3	21.77
				6	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1711.5	19965	3	1	0	21.8	23.27
				1	14	21.9	23.37
				8	4	20.7	22.17
				15	0	20.5	21.97
	1732.5	20175		1	0	21.8	23.27
				1	14	21.9	23.37
				8	4	20.7	22.17
				15	0	20.5	21.97
	1753.5	20385		1	0	21.8	23.27
				1	14	21.9	23.37
				8	4	20.7	22.17
				15	0	20.5	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1711.5	19965	3	1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.3	21.77
	1732.5	20175		1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.3	21.77
	1753.5	20385		1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.3	21.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1711.5	19965	3	1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.2	21.67
	1753.5	20385		1	0	21.7	23.17
				1	14	21.8	23.27
				8	4	20.3	21.77
				15	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1712.5	19975	5	1	0	22.0	23.47
				1	24	22.0	23.47
				12	6	20.9	22.37
				25	0	20.8	22.27
	1732.5	20175		1	0	22.0	23.47
				1	24	22.0	23.47
				12	6	20.9	22.37
				25	0	20.8	22.27
	1752.5	20375		1	0	22.0	23.47
				1	24	22.0	23.47
				12	6	20.9	22.37
				25	0	20.8	22.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1712.5	19975	5	1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.2	21.67
	1752.5	20375		1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1712.5	19975	5	1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.2	21.67
	1752.5	20375		1	0	21.7	23.17
				1	24	21.8	23.27
				12	6	20.2	21.67
				25	0	20.1	21.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1715	20000	10	1	0	22.2	23.67
				1	49	22.2	23.67
				24	12	21.1	22.57
				50	0	21.2	22.67
	1732.5	20175		1	0	22.2	23.67
				1	49	22.2	23.67
				24	12	21.1	22.57
				50	0	21.2	22.67
	1750	20350		1	0	22.2	23.67
				1	49	22.2	23.67
				24	12	21.1	22.57
				50	0	21.2	22.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1715	20000	10	1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.3	21.77
				50	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.3	21.77
				50	0	20.2	21.67
	1750	20350		1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.3	21.77
				50	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1715	20000	10	1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.2	21.67
				50	0	20.2	21.67
	1732.5	20175		1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.2	21.67
				50	0	20.2	21.67
	1750	20350		1	0	21.7	23.17
				1	49	21.8	23.27
				24	12	20.2	21.67
				50	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1717.5	20025	15	1	0	22.3	23.77
				1	74	22.3	23.77
				40	18	21.3	22.77
				75	0	21.2	22.67
	1732.5	20175		1	0	22.3	23.77
				1	74	22.3	23.77
				40	18	21.3	22.77
				75	0	21.2	22.67
	1747.5	20325		1	0	22.3	23.77
				1	74	22.3	23.77
				40	18	21.3	22.77
				75	0	21.2	22.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1717.5	20025	15	1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.4	21.87
	1732.5	20175		1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.4	21.87
	1747.5	20325		1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.4	21.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1717.5	20025	15	1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.4	21.87
	1732.5	20175		1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.4	21.87
	1747.5	20325		1	0	21.8	23.27
				1	74	21.8	23.27
				40	18	20.3	21.77
				75	0	20.2	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1720	20050	20	1	0	22.4	23.87
				1	99	22.4	23.87
				50	25	21.4	22.87
				100	0	21.4	22.87
	1732.5	20175		1	0	22.4	23.87
				1	99	22.4	23.87
				50	25	21.4	22.87
				100	0	21.4	22.87
	1745	20300		1	0	22.4	23.87
				1	99	22.4	23.87
				50	25	21.4	22.87
				100	0	21.4	22.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1720	20050	20	1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87
	1732.5	20175		1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87
	1745	20300		1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
64QAM	1720	20050	20	1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87
	1732.5	20175		1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87
	1745	20300		1	0	22.0	23.47
				1	99	22.0	23.47
				50	25	20.4	21.87
				100	0	20.4	21.87

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1710.7	19957	1.4	6	0	1.095	Fig.1	1.100	Fig.2	1.100	Fig.3
4	1732.5	20175	1.4	6	0	1.100	Fig.4	1.100	Fig.5	1.101	Fig.6
4	1754.3	20393	1.4	6	0	1.100	Fig.7	1.100	Fig.8	1.107	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1710.7	19957	1.4	6	0	1.225	Fig.1	1.214	Fig.2	1.241	Fig.3
4	1732.5	20175	1.4	6	0	1.214	Fig.4	1.241	Fig.5	1.248	Fig.6
4	1754.3	20393	1.4	6	0	1.228	Fig.7	1.218	Fig.8	1.220	Fig.9

Fig.1

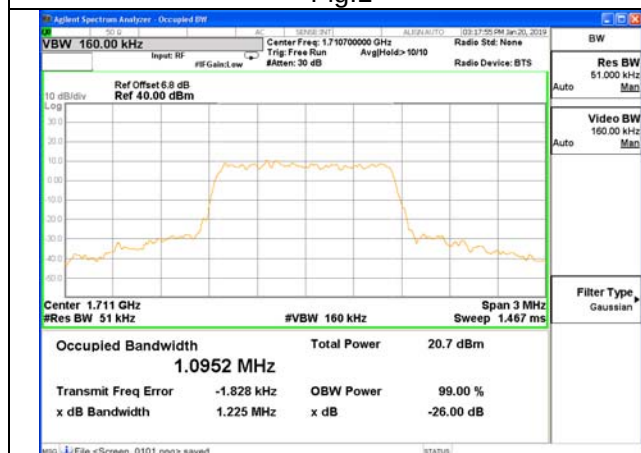


Fig.2

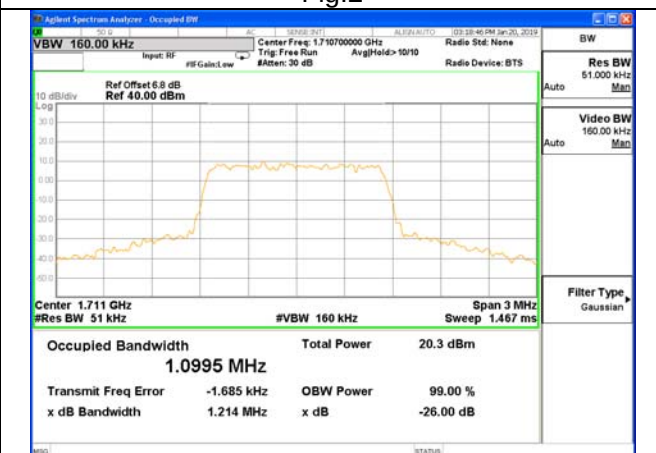


Fig.3

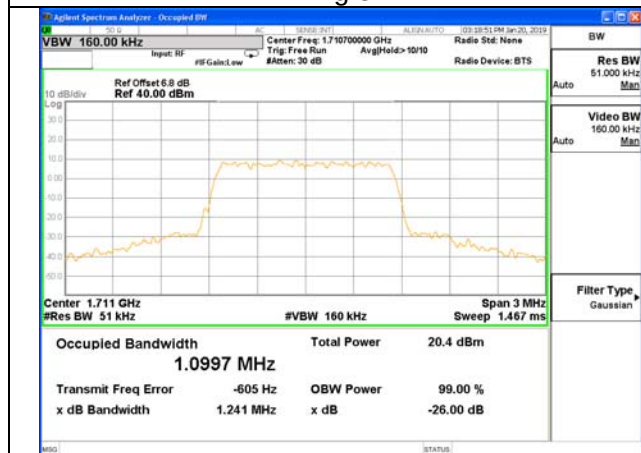


Fig.4

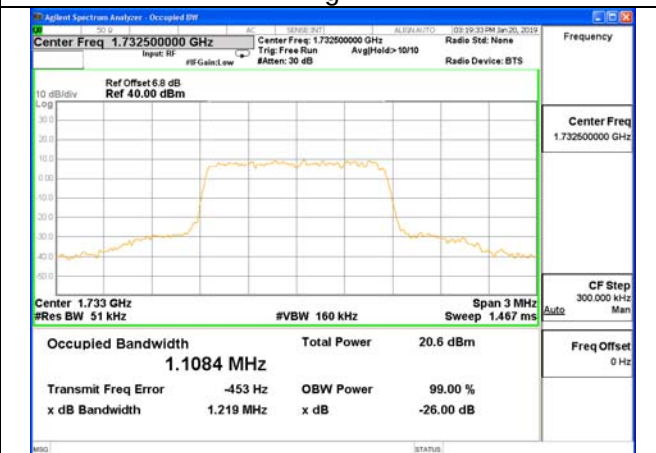


Fig.5

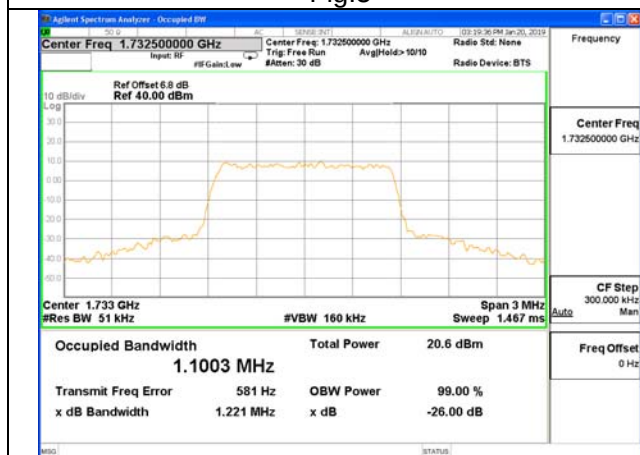


Fig.6

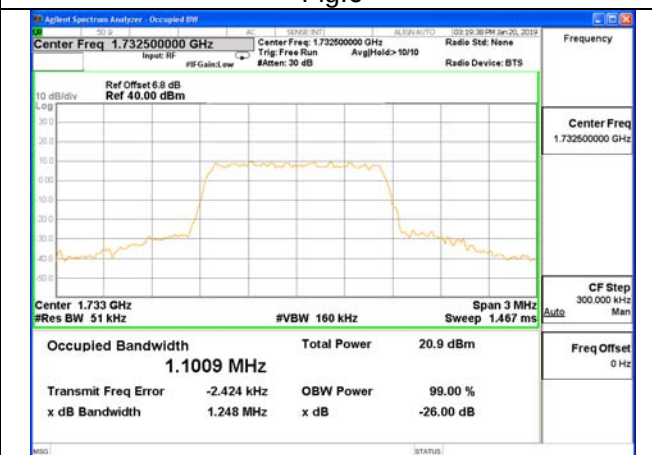


Fig.7

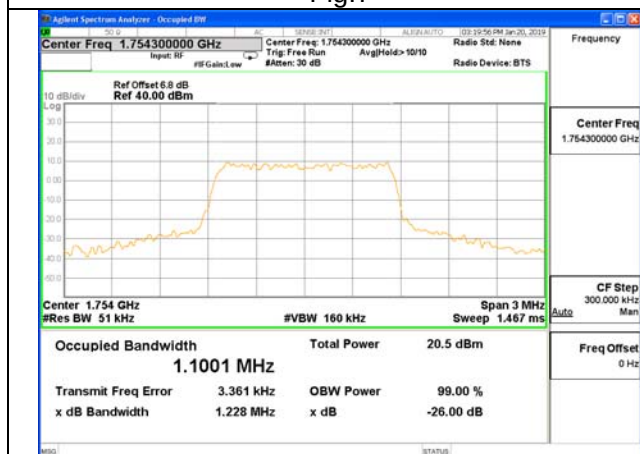


Fig.8

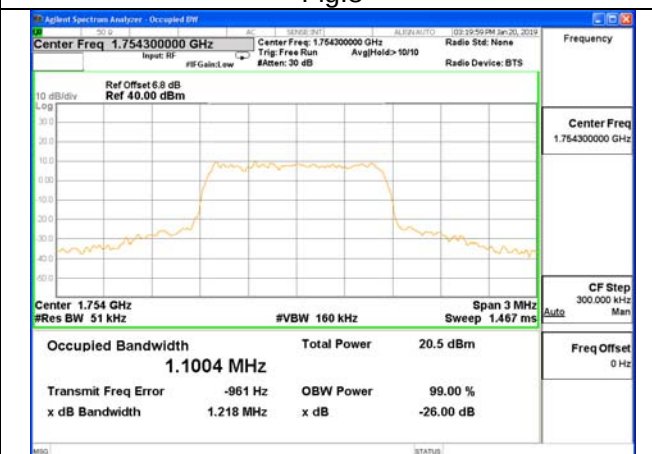
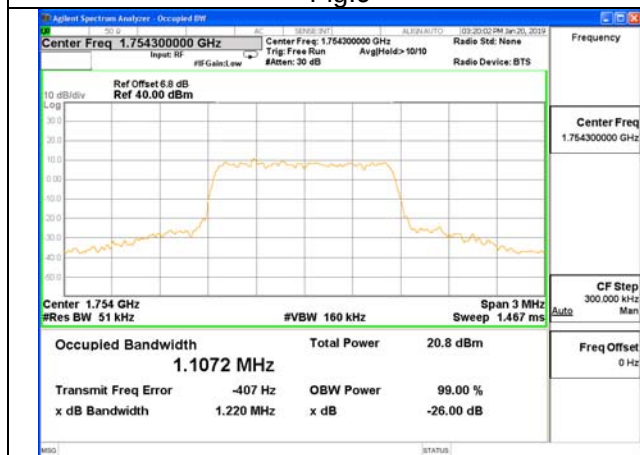


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1711.5	19965	3	15	0	2.726	Fig.1	2.730	Fig.2	2.728	Fig.3
4	1732.5	20175	3	15	0	2.730	Fig.4	2.727	Fig.5	2.722	Fig.6
4	1753.5	20385	3	15	0	2.719	Fig.7	2.729	Fig.8	2.733	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1711.5	19965	3	15	0	3.022	Fig.1	2.948	Fig.2	2.953	Fig.3
4	1732.5	20175	3	15	0	2.950	Fig.4	2.960	Fig.5	2.960	Fig.6
4	1753.5	20385	3	15	0	2.948	Fig.7	2.950	Fig.8	2.946	Fig.9

Fig.1

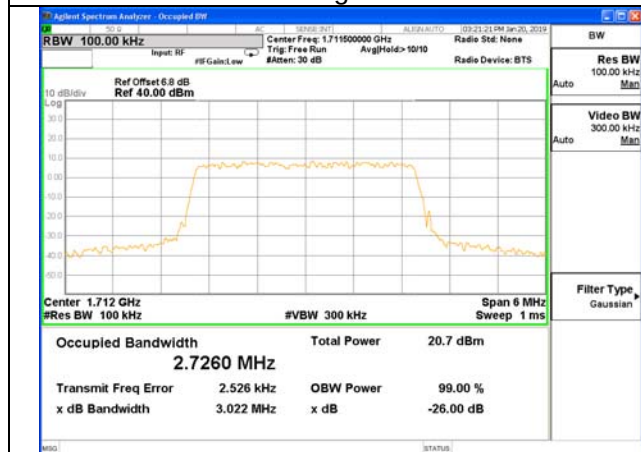


Fig.2

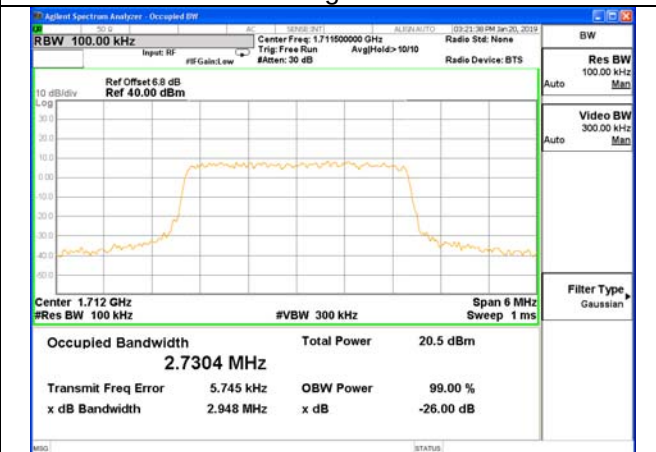


Fig.3

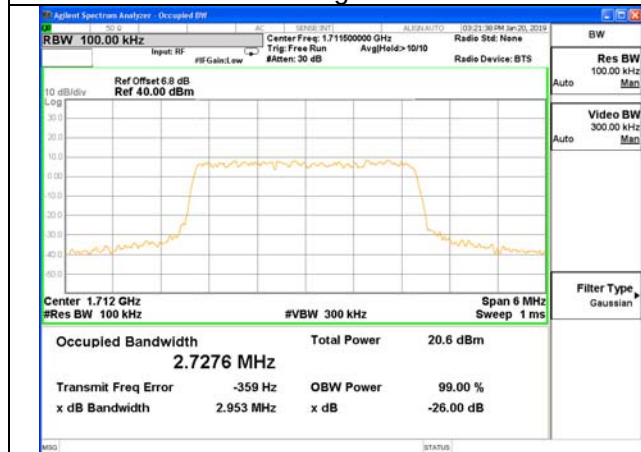


Fig.4

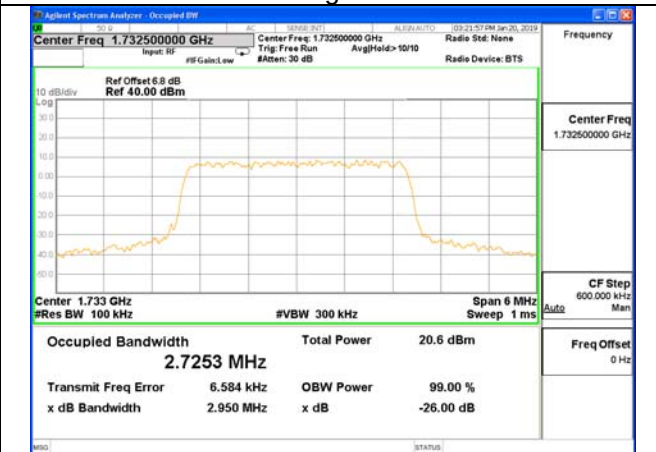


Fig.5

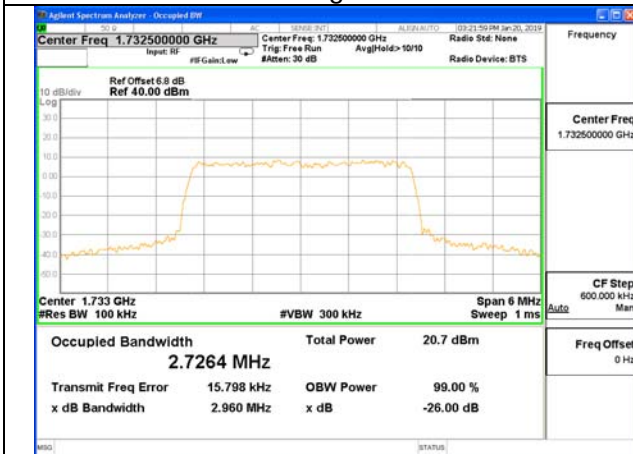


Fig.6

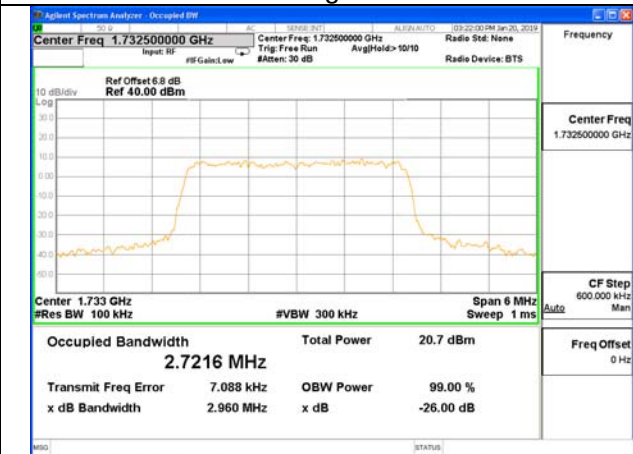


Fig.7

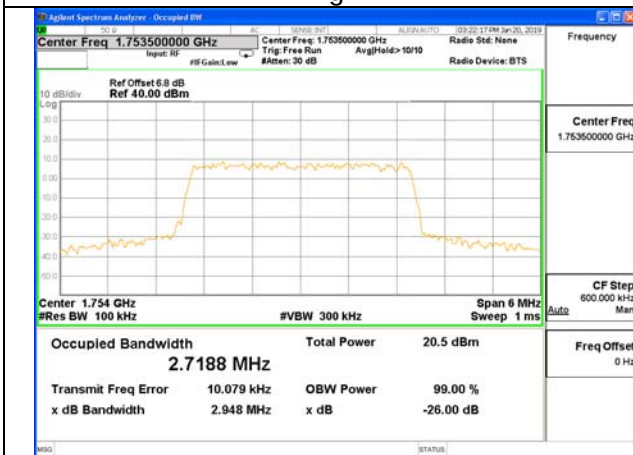


Fig.8

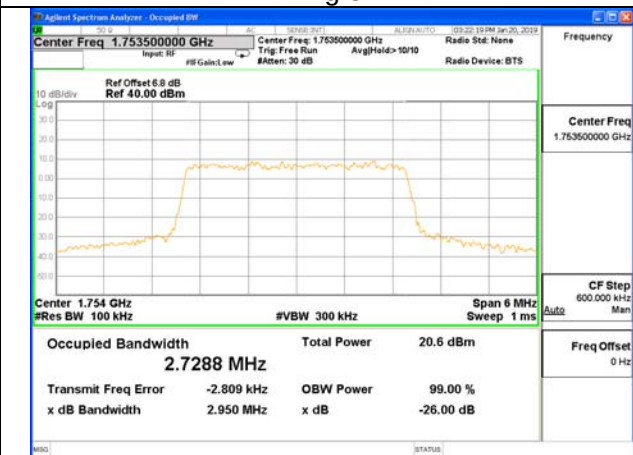
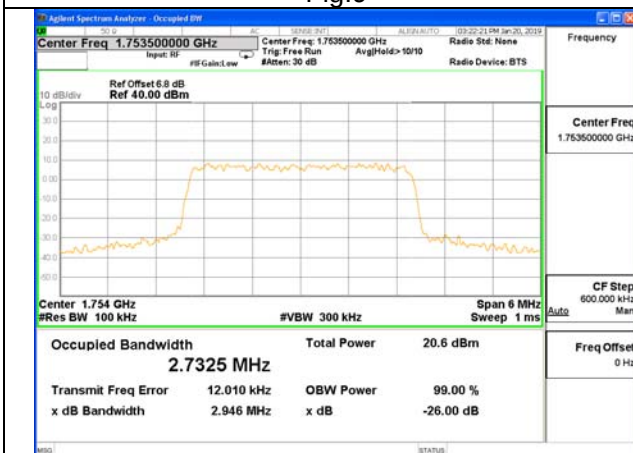


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1712.5	19975	5	25	0	4.474	Fig.1	4.492	Fig.2	4.480	Fig.3
4	1732.5	20175	5	25	0	4.485	Fig.4	4.480	Fig.5	4.503	Fig.6
4	1752.5	20375	5	25	0	4.496	Fig.7	4.501	Fig.8	4.484	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1712.5	19975	5	25	0	4.744	Fig.1	4.776	Fig.2	4.760	Fig.3
4	1732.5	20175	5	25	0	4.759	Fig.4	4.771	Fig.5	4.766	Fig.6
4	1752.5	20375	5	25	0	4.776	Fig.7	4.749	Fig.8	4.771	Fig.9

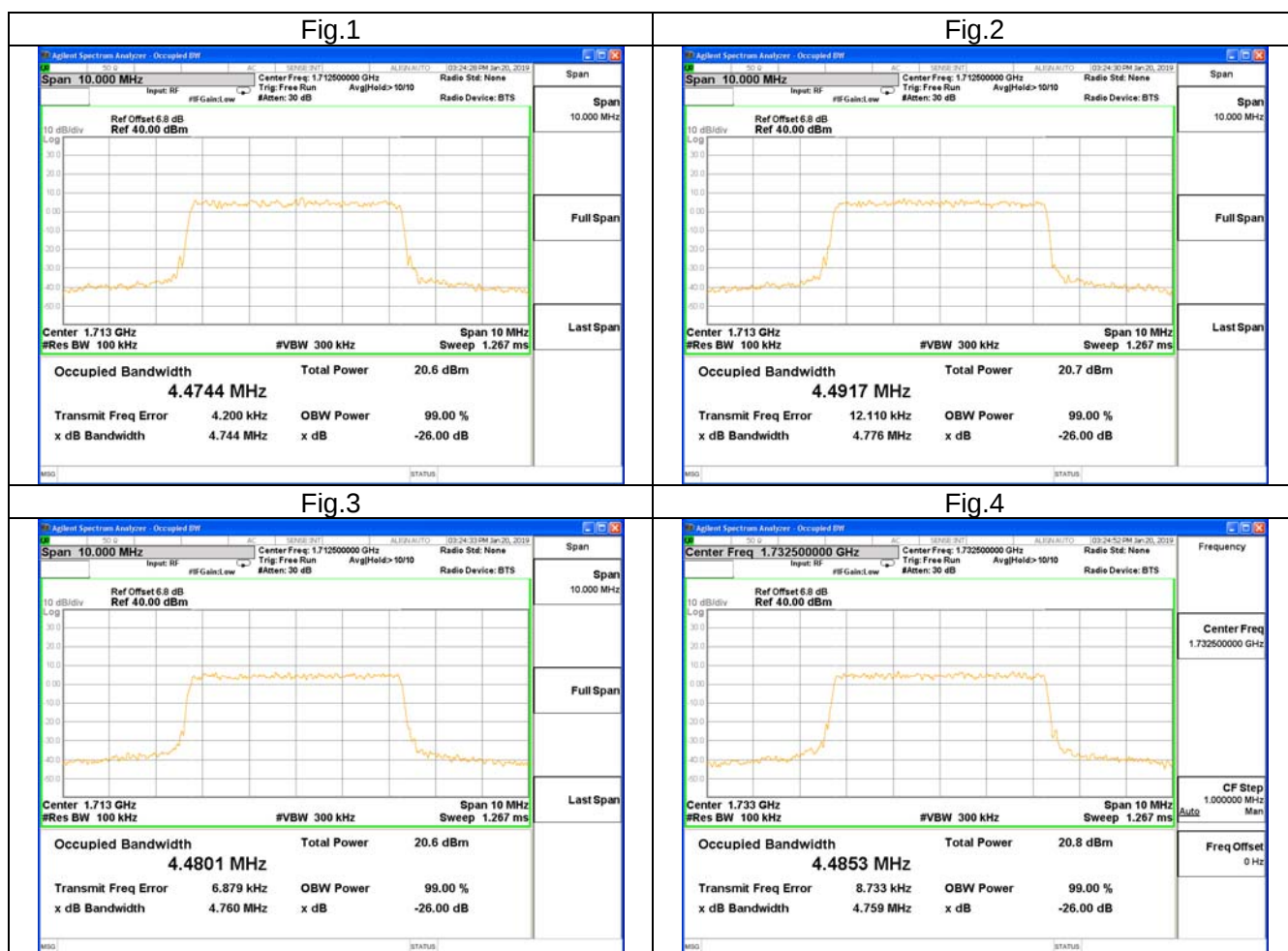


Fig.5

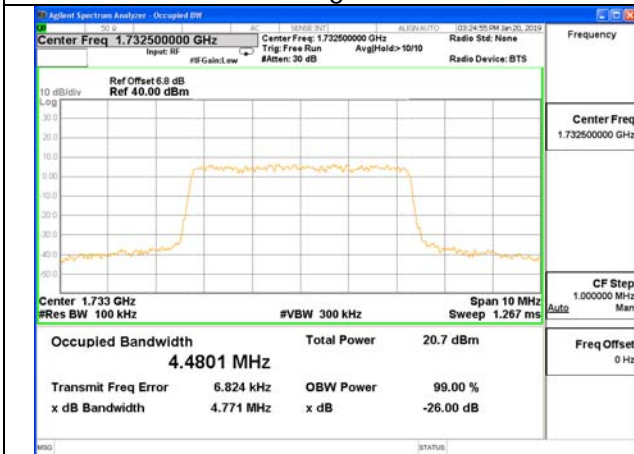


Fig.6

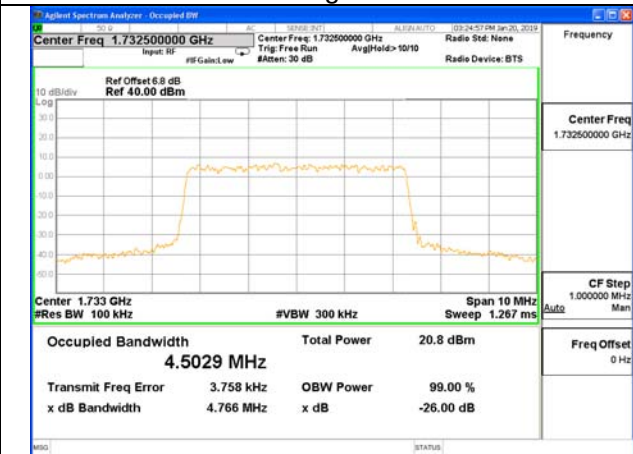


Fig.7

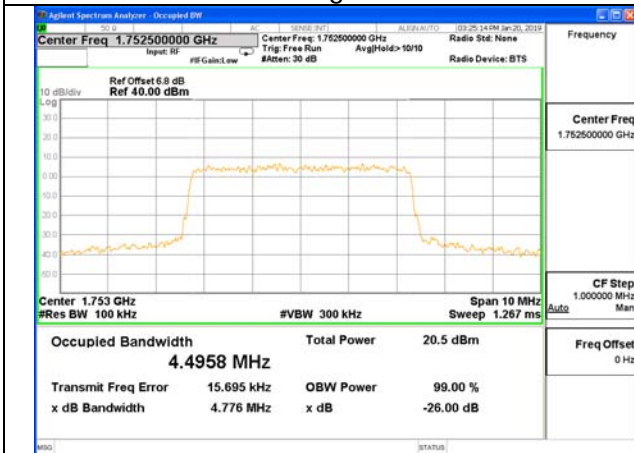


Fig.8

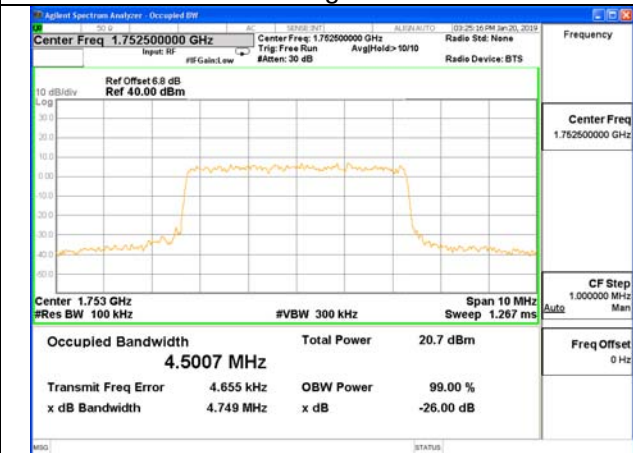
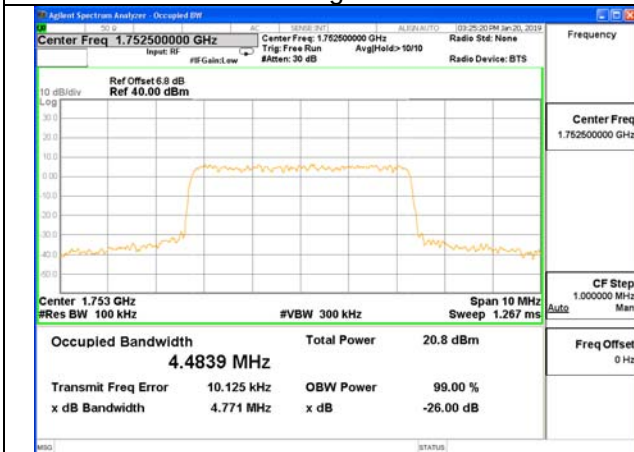


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1715	20000	10	50	0	9.019	Fig.1	9.020	Fig.2	9.040	Fig.3
4	1732.5	20175	10	50	0	9.022	Fig.4	8.969	Fig.5	9.003	Fig.6
4	1750	20350	10	50	0	8.997	Fig.7	9.034	Fig.8	9.035	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1715	20000	10	50	0	9.651	Fig.1	9.656	Fig.2	9.707	Fig.3
4	1732.5	20175	10	50	0	9.652	Fig.4	9.669	Fig.5	9.653	Fig.6
4	1750	20350	10	50	0	9.675	Fig.7	9.685	Fig.8	9.652	Fig.9

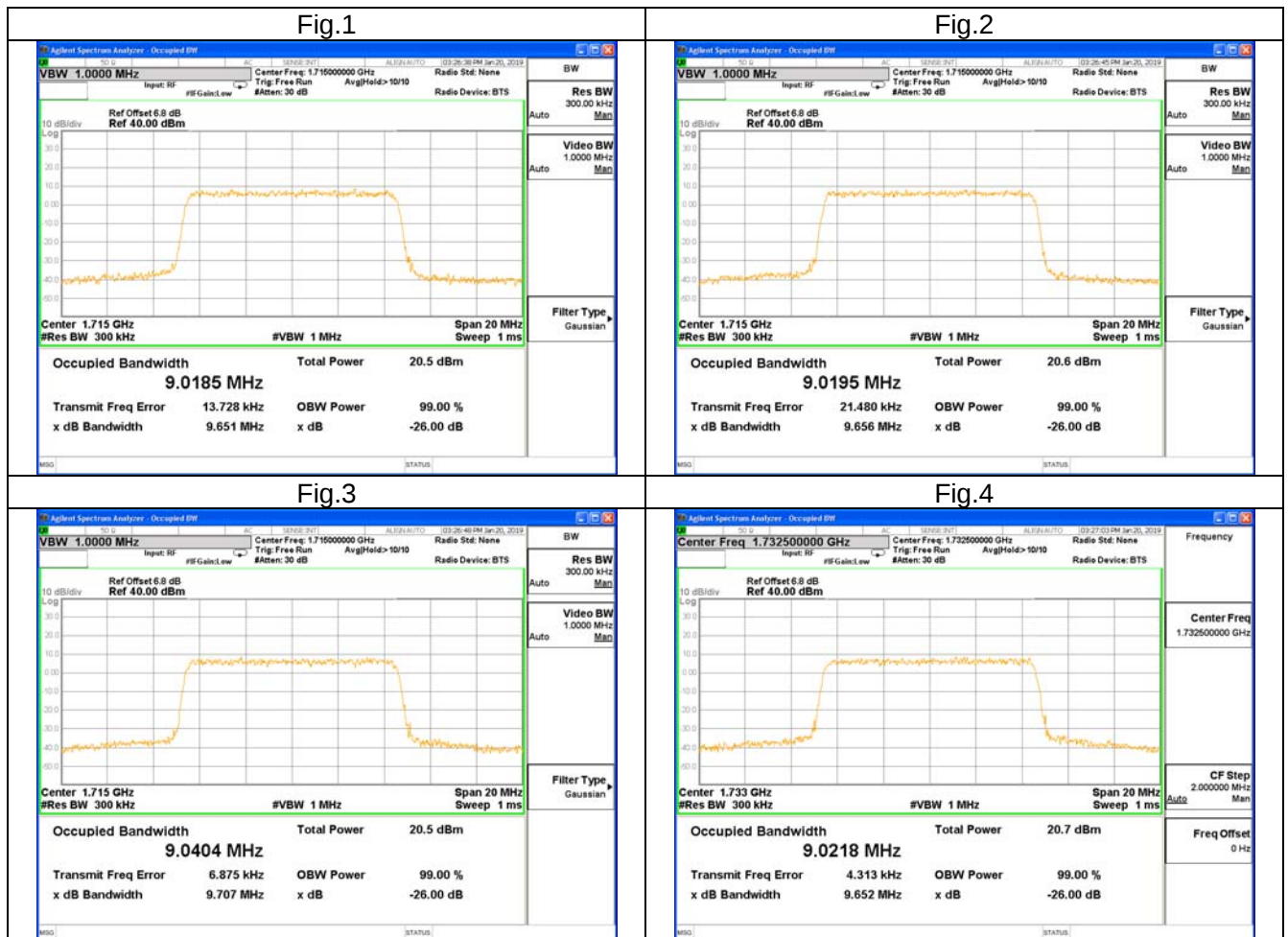


Fig.5

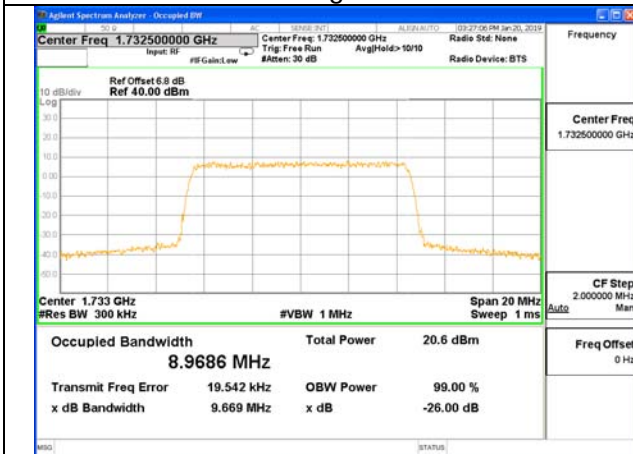


Fig.6

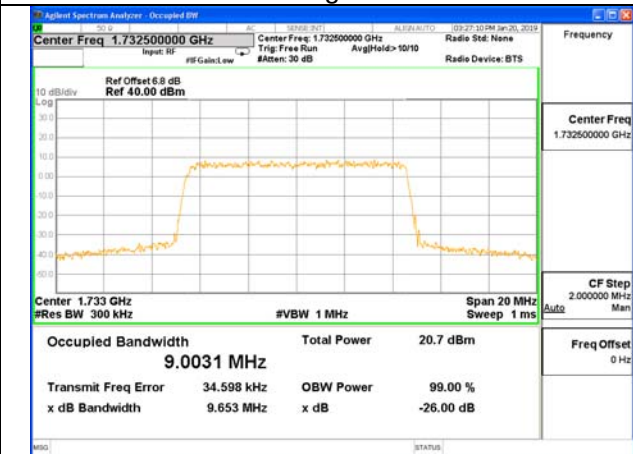


Fig.7

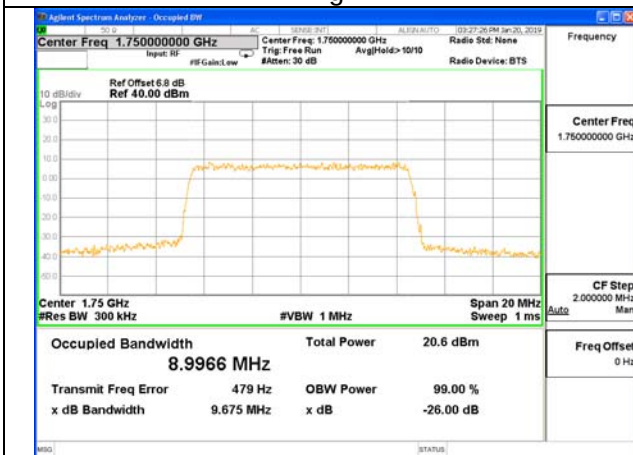


Fig.8

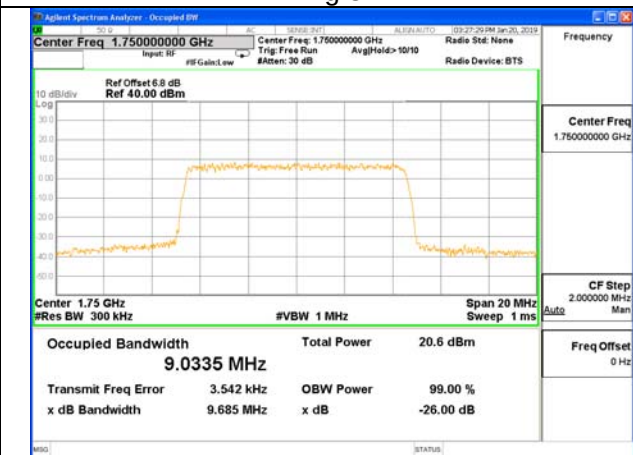
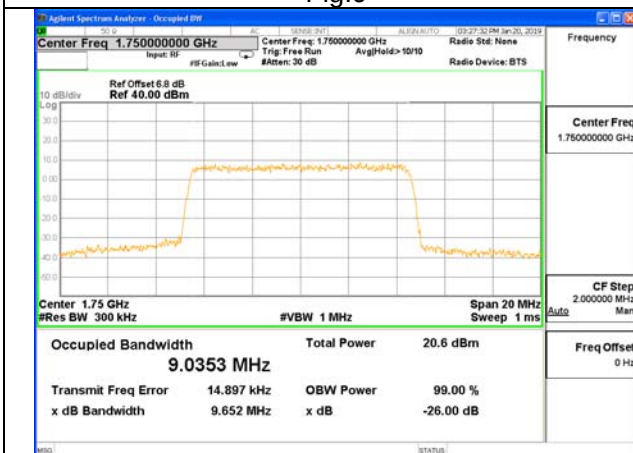


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1717.5	20025	15	75	0	13.413	Fig.1	13.461	Fig.2	13.489	Fig.3
4	1732.5	20175	15	75	0	13.422	Fig.4	13.423	Fig.5	13.419	Fig.6
4	1747.5	20325	15	75	0	13.433	Fig.7	13.464	Fig.8	13.414	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1717.5	20025	15	75	0	14.230	Fig.1	14.170	Fig.2	14.190	Fig.3
4	1732.5	20175	15	75	0	14.180	Fig.4	14.180	Fig.5	14.190	Fig.6
4	1747.5	20325	15	75	0	14.210	Fig.7	14.280	Fig.8	14.160	Fig.9

Fig.1

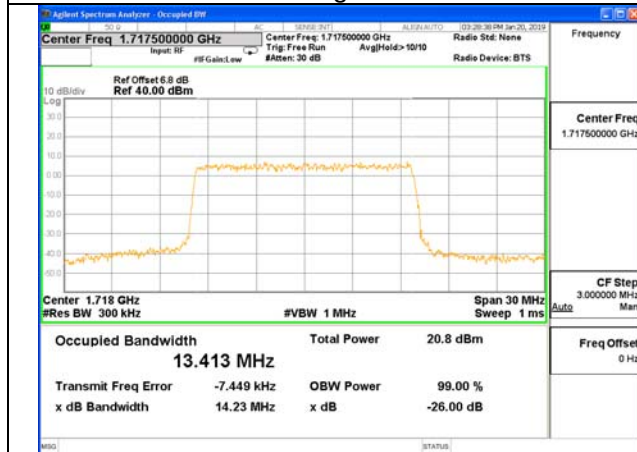


Fig.2

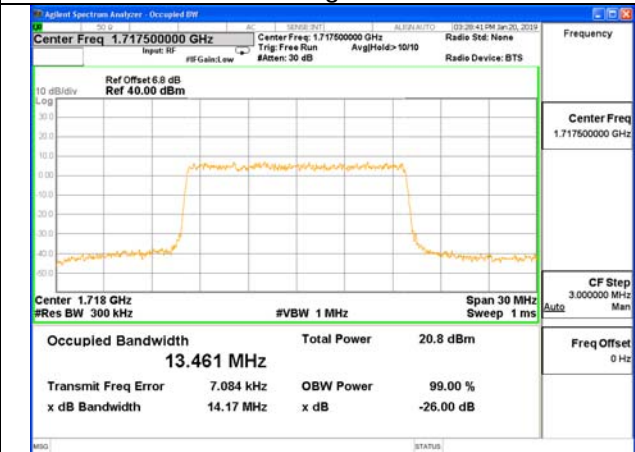


Fig.3

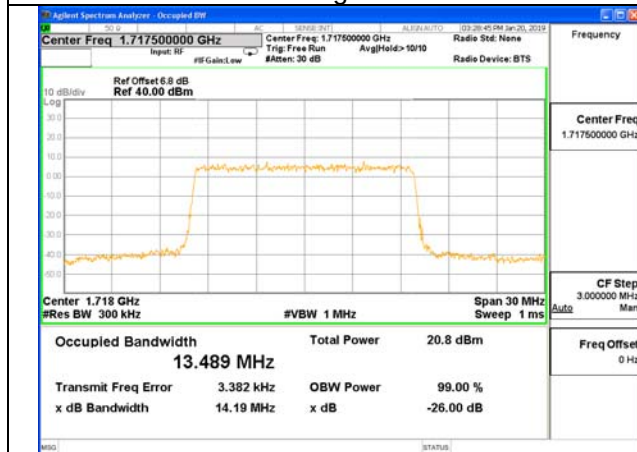


Fig.4

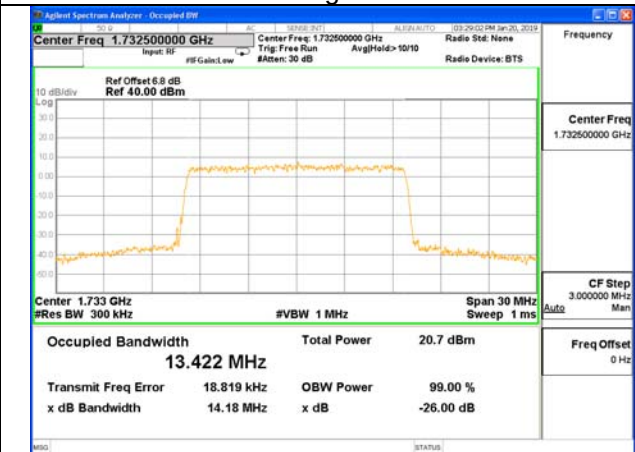


Fig.5

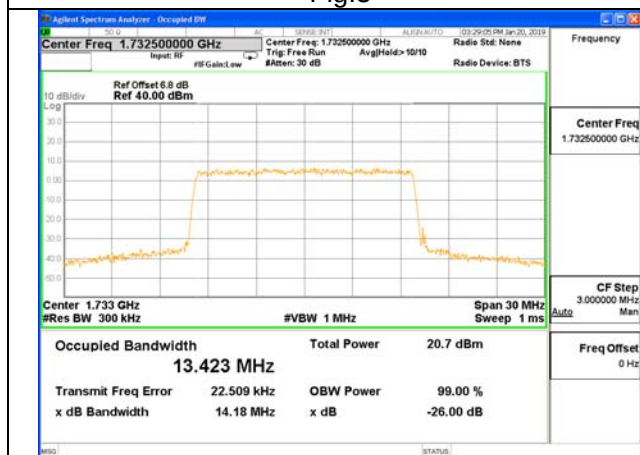


Fig.6

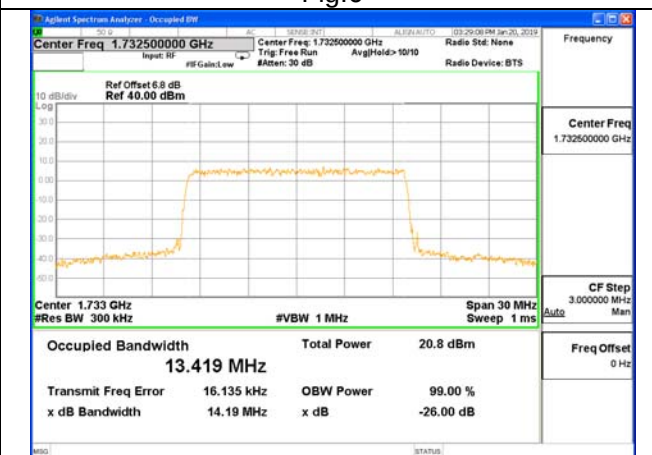


Fig.7

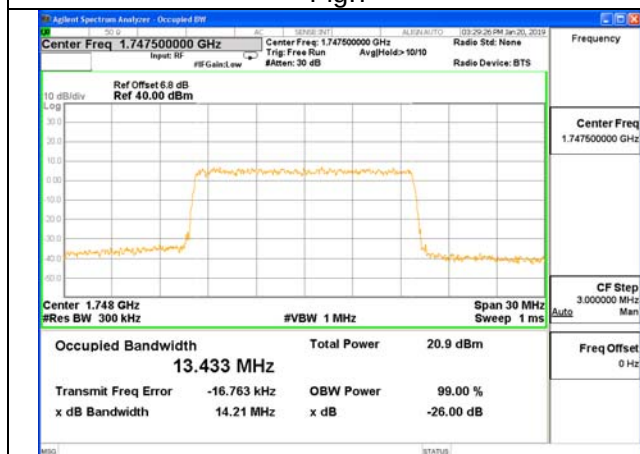


Fig.8

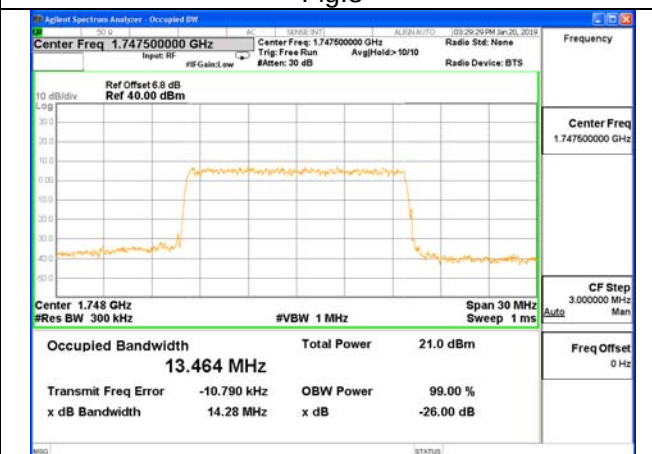
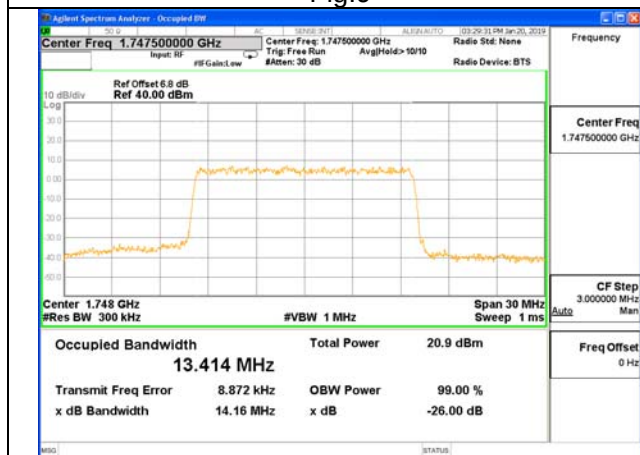


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1720	20050	20	100	0	17.814	Fig.1	17.849	Fig.2	17.869	Fig.3
4	1732.5	20175	20	100	0	17.890	Fig.4	17.780	Fig.5	17.873	Fig.6
4	1745	20300	20	100	0	17.857	Fig.7	17.851	Fig.8	17.840	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1720	20050	20	100	0	18.720	Fig.1	18.760	Fig.2	18.720	Fig.3
4	1732.5	20175	20	100	0	18.720	Fig.4	18.690	Fig.5	18.650	Fig.6
4	1745	20300	20	100	0	18.650	Fig.7	18.670	Fig.8	18.740	Fig.9

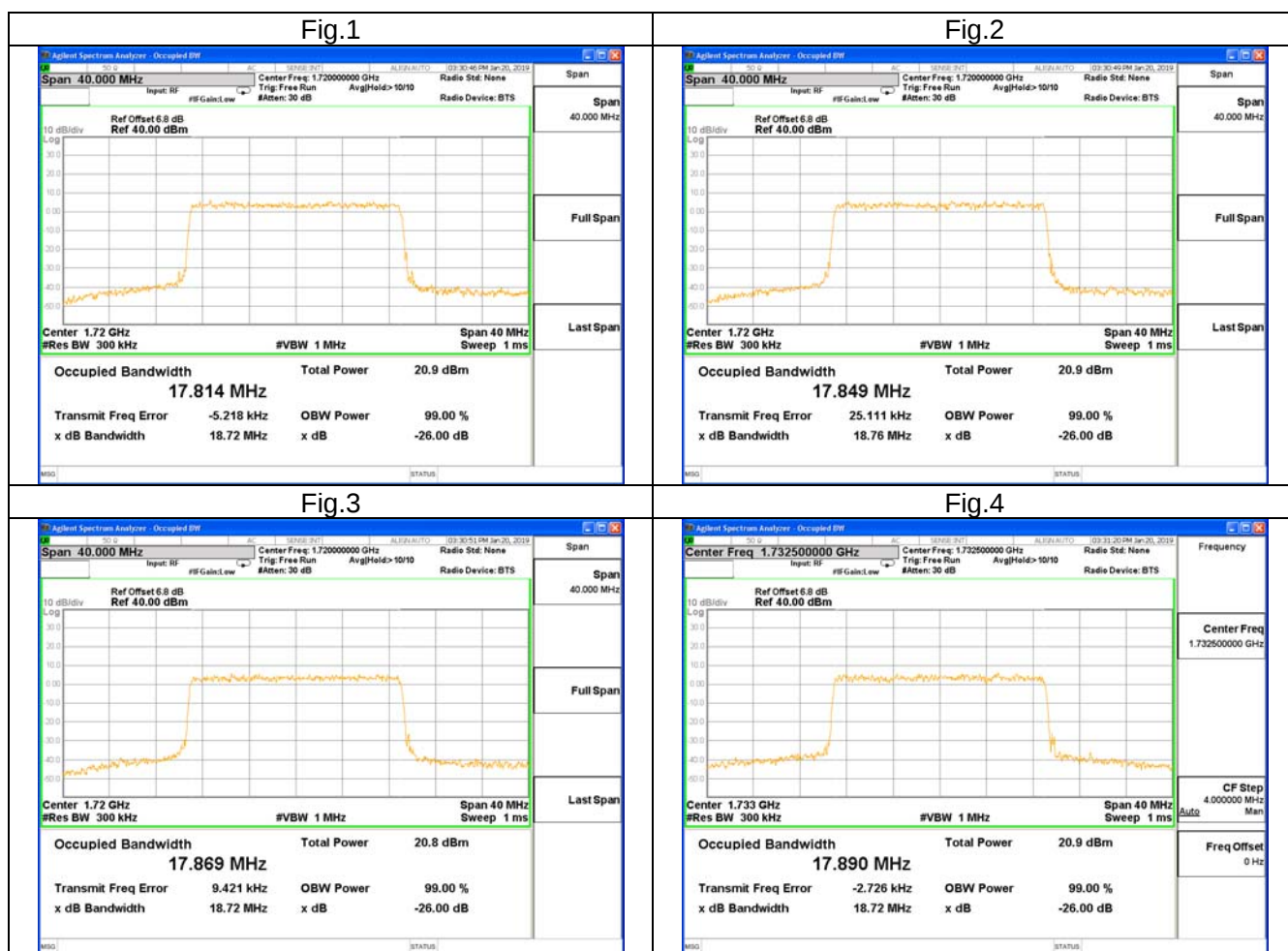


Fig.5

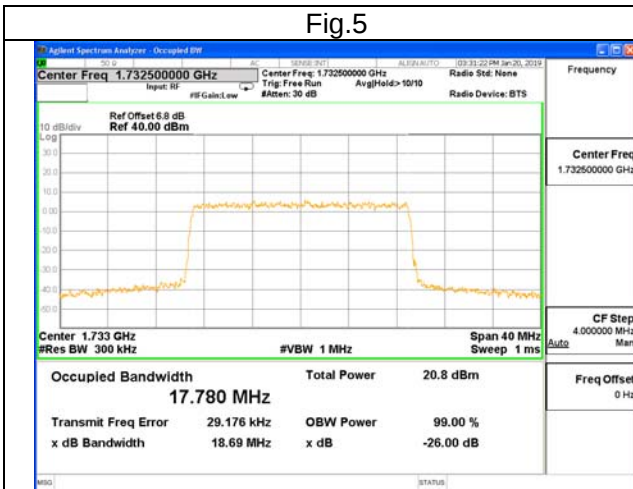


Fig.6

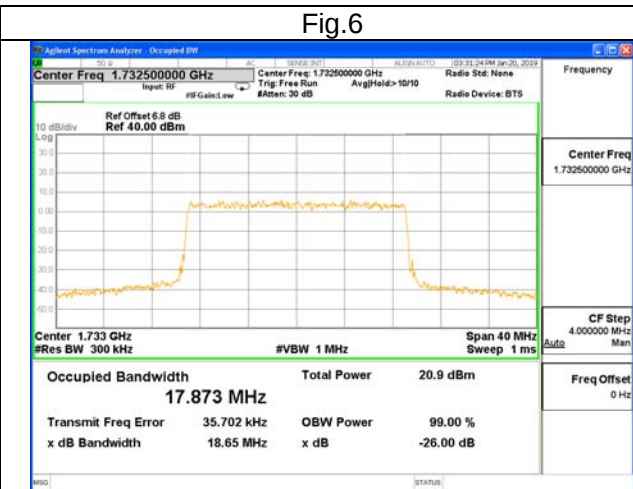


Fig.7

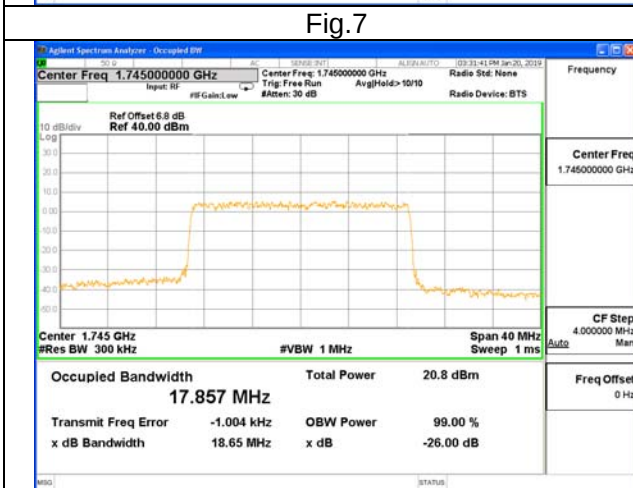


Fig.8

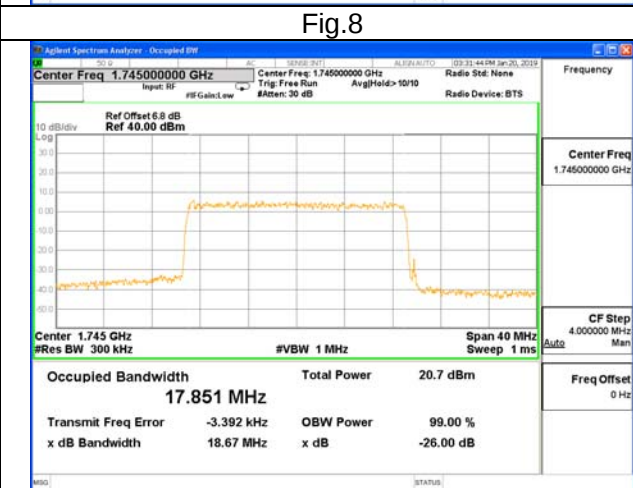
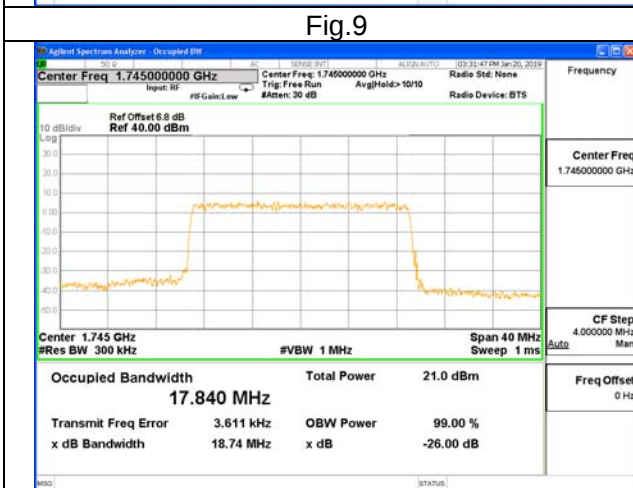
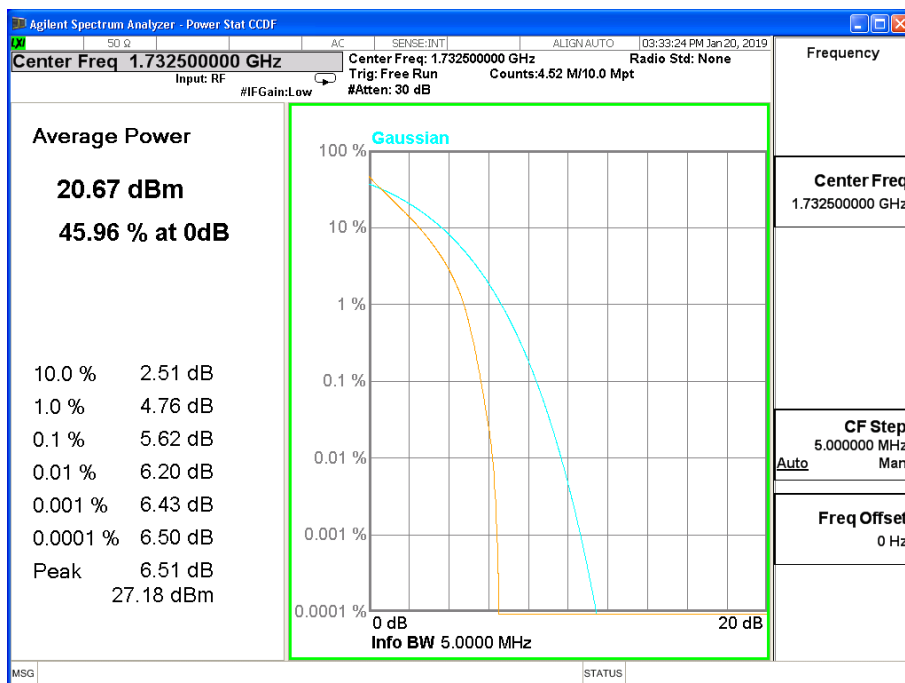


Fig.9

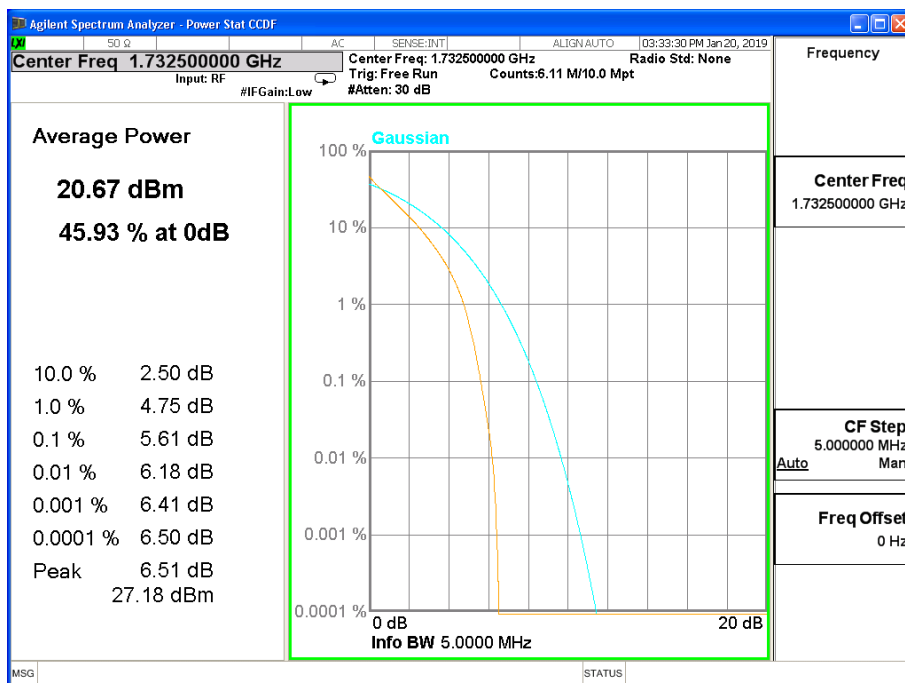


4 Peak-Average Ratio

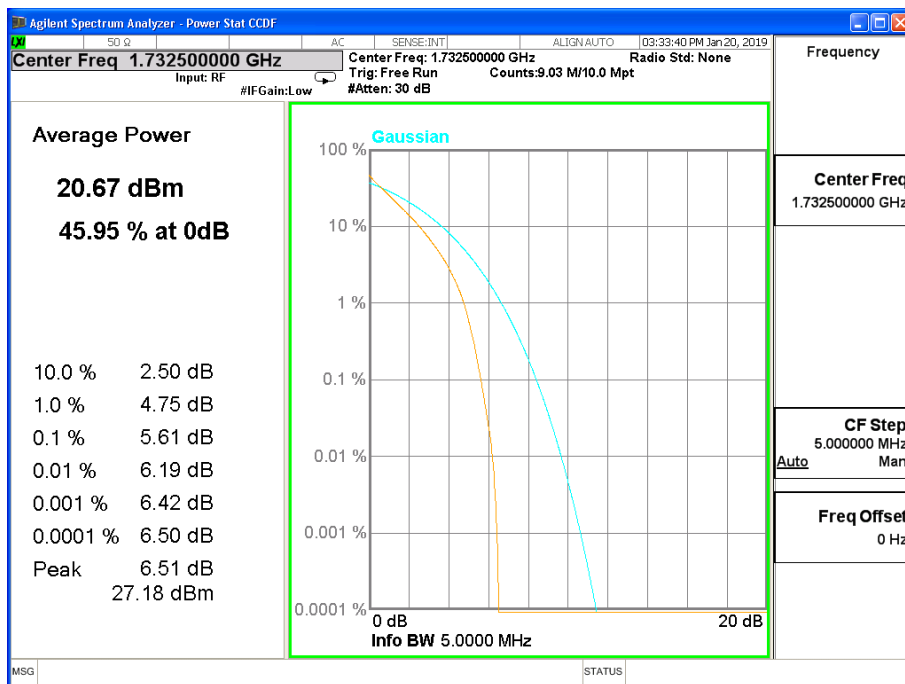
Test result:



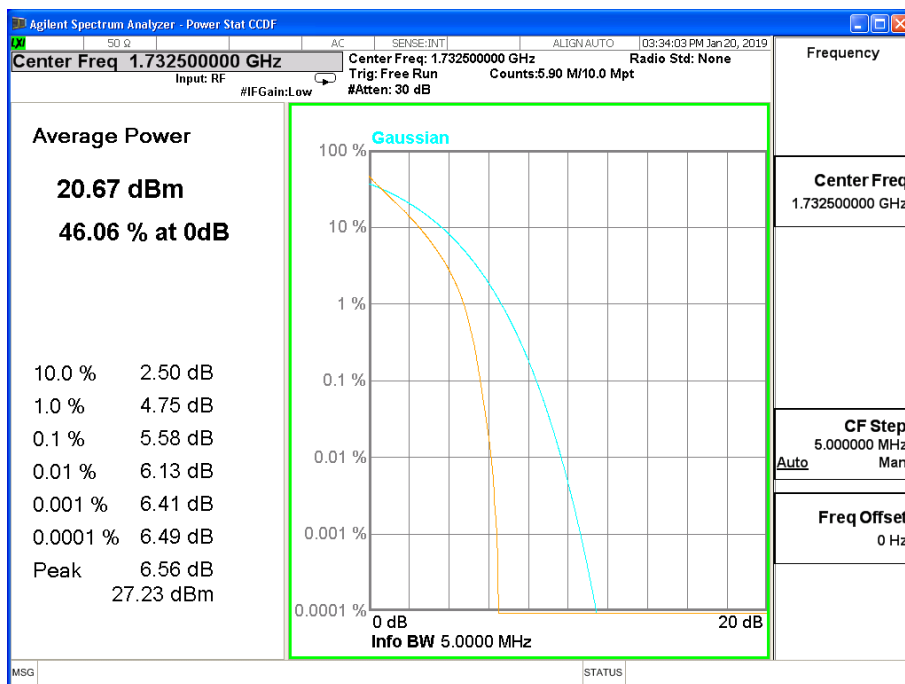
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 4-mid Channel)



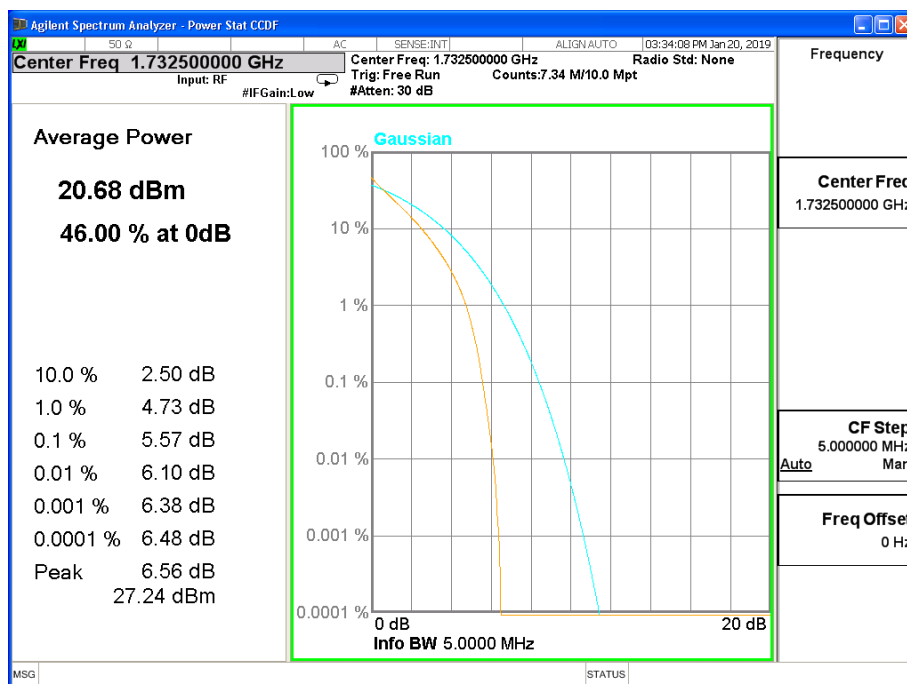
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 4-mid Channel)



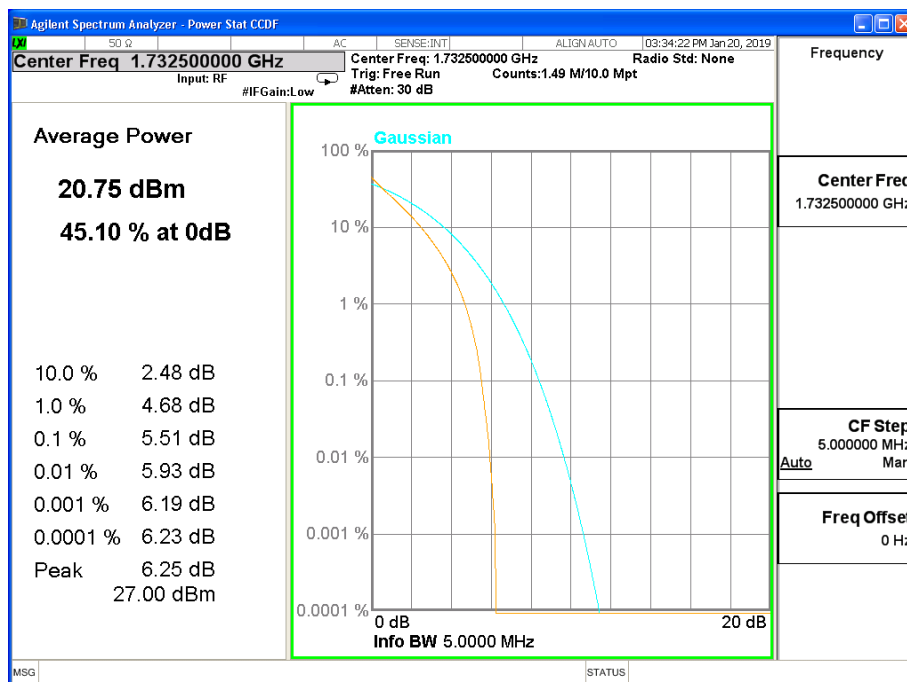
Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 4-mid Channel)



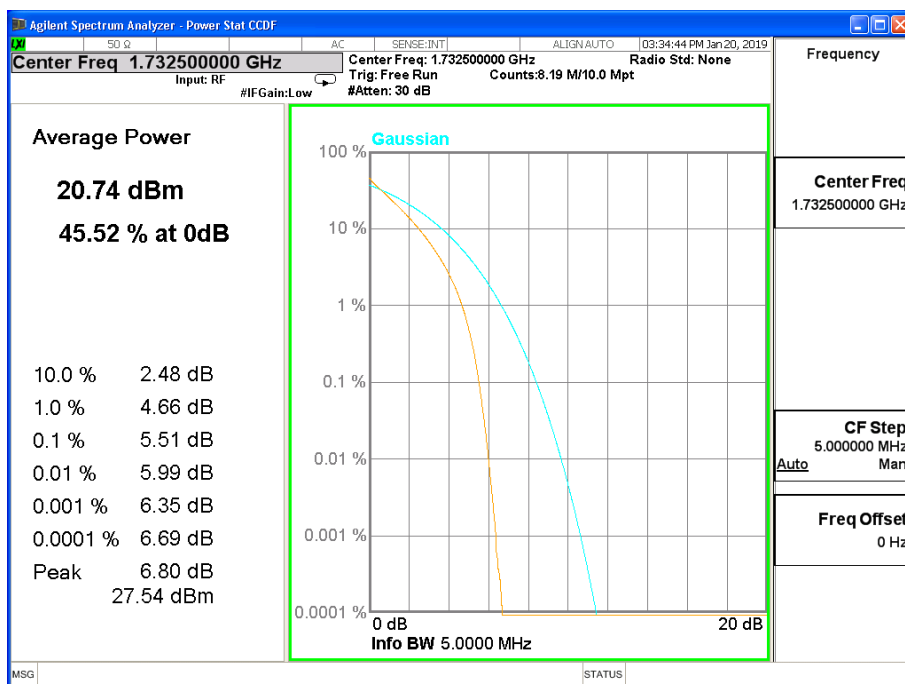
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 4-mid Channel)



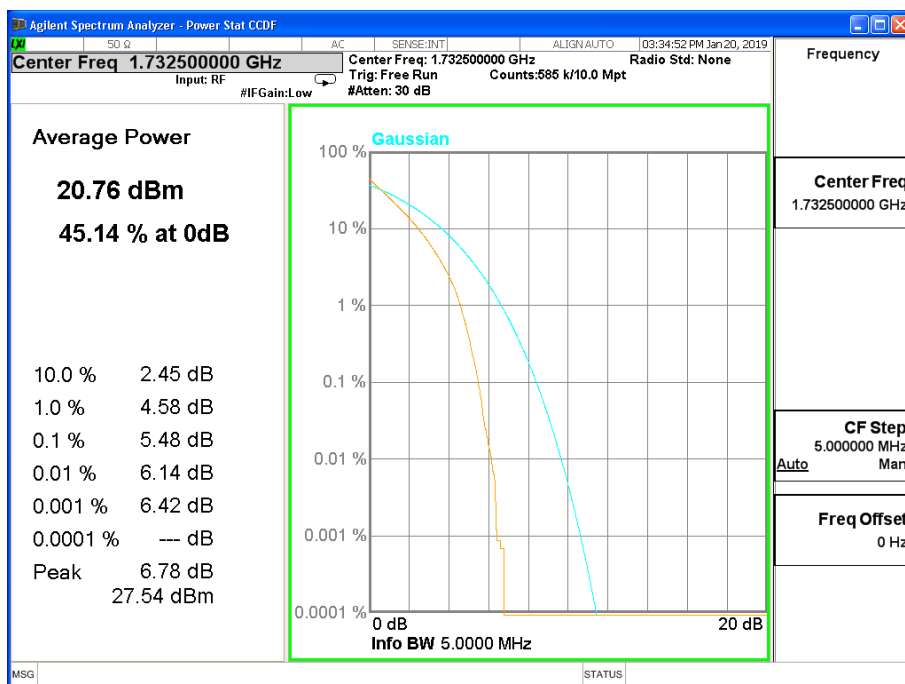
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 4-mid Channel)



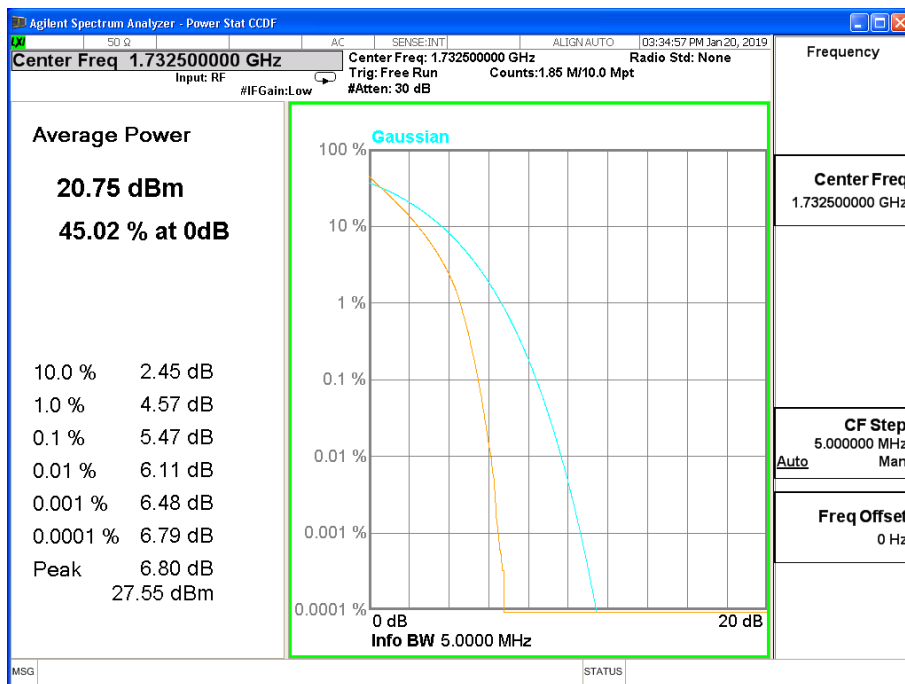
Peak-Average Ratio Plot(3MHz BW,64QAM,Band 4-mid Channel)



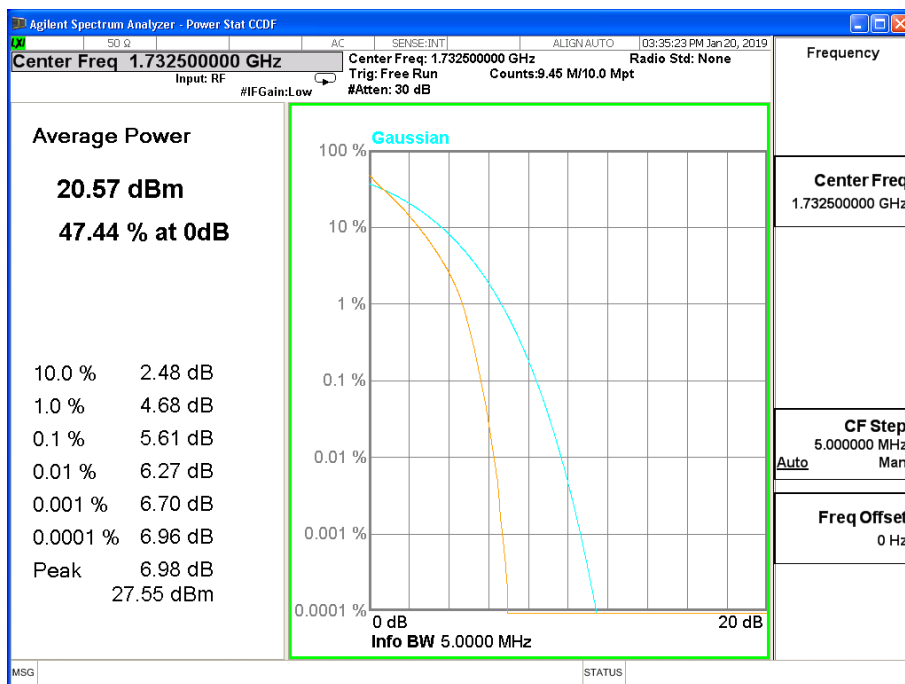
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 4-mid Channel)



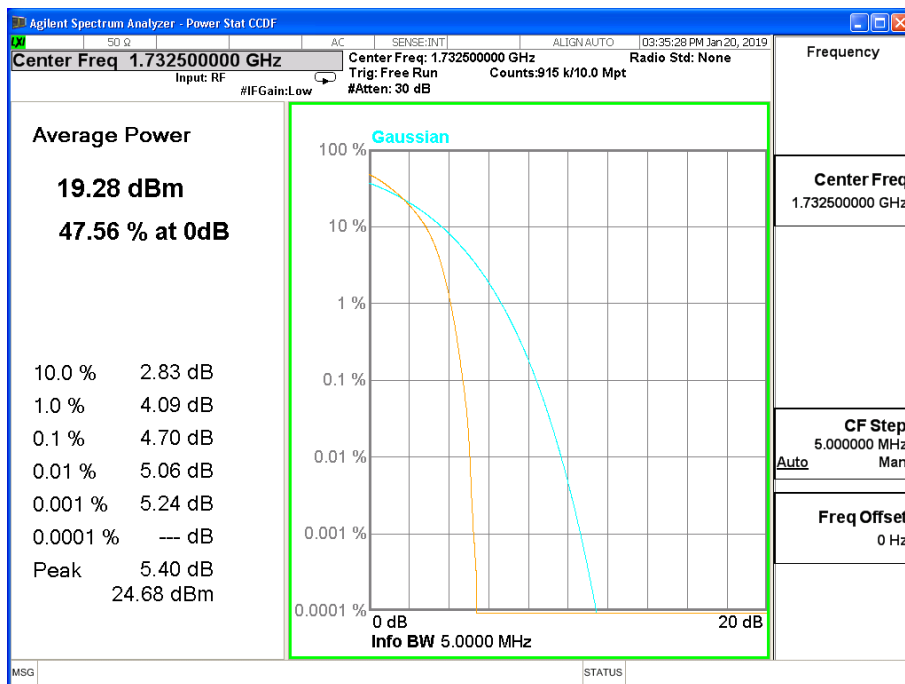
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 4-mid Channel)



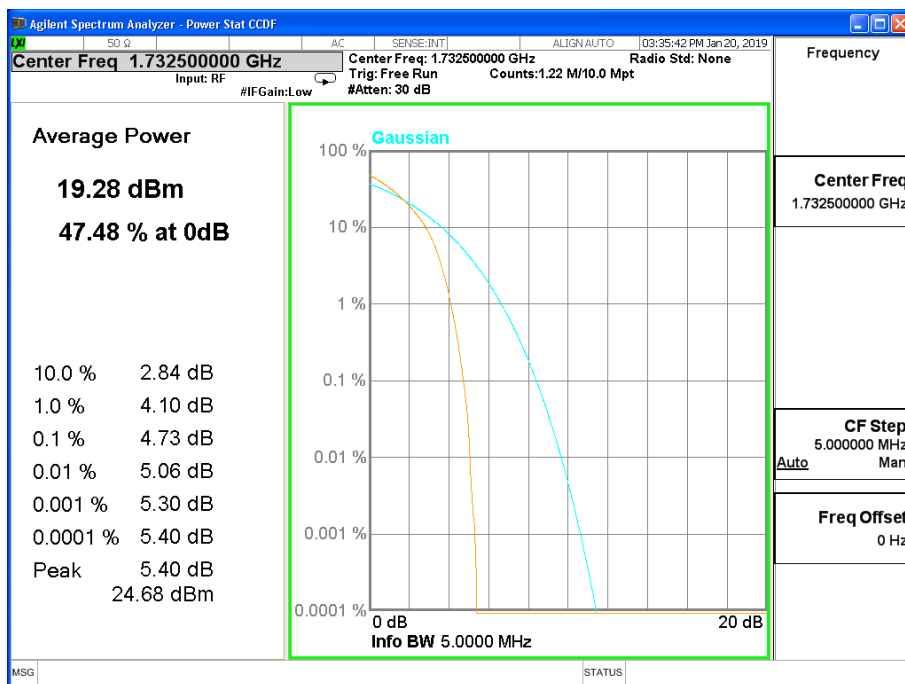
Peak-Average Ratio Plot(5MHz BW,64QAM,Band 4-mid Channel)



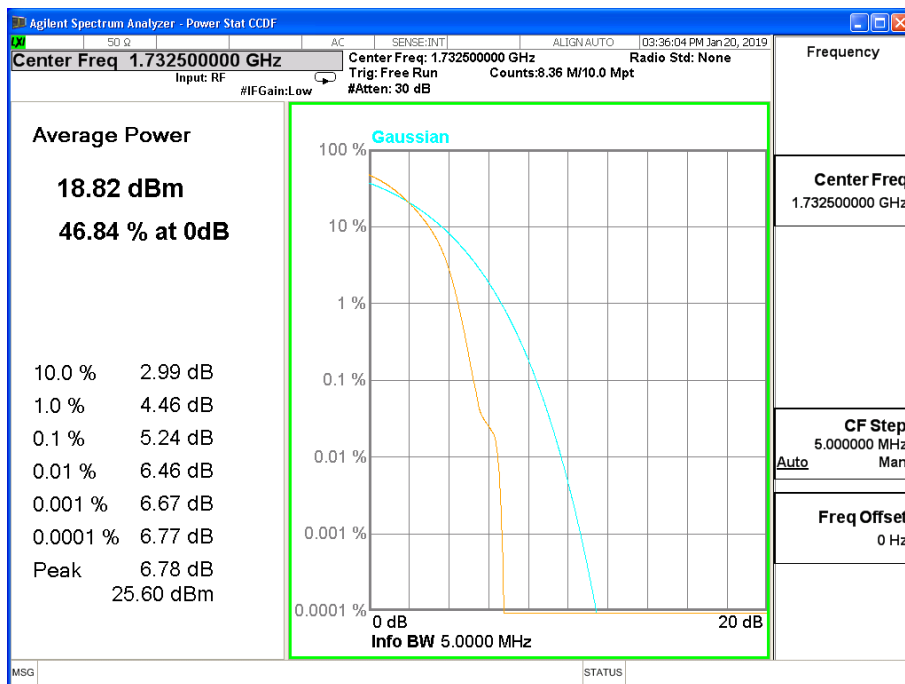
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 4-mid Channel)



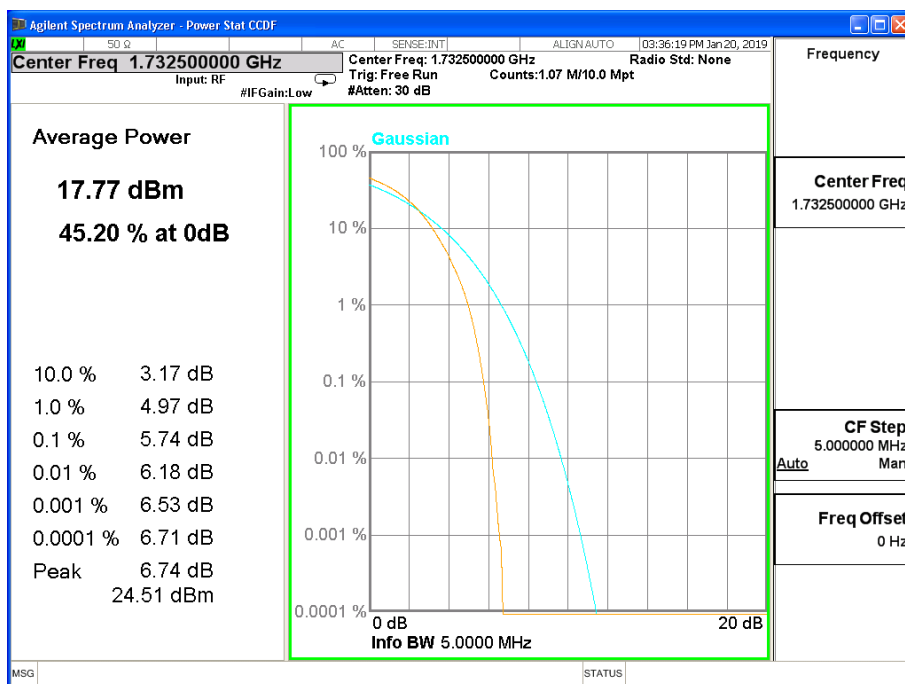
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 4-mid Channel)



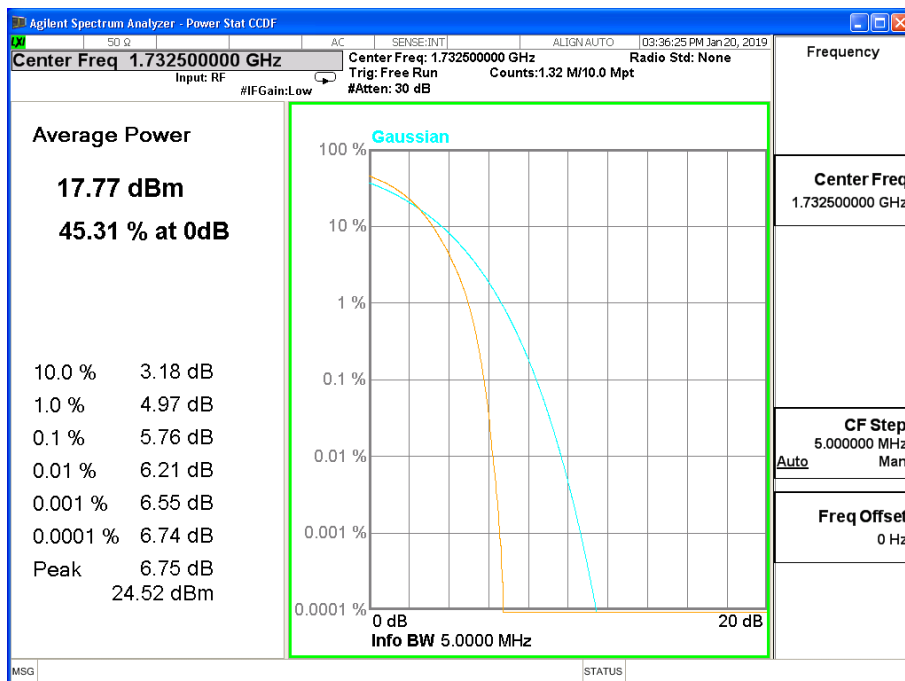
Peak-Average Ratio Plot(10MHz BW,64QAM,Band 4-mid Channel)



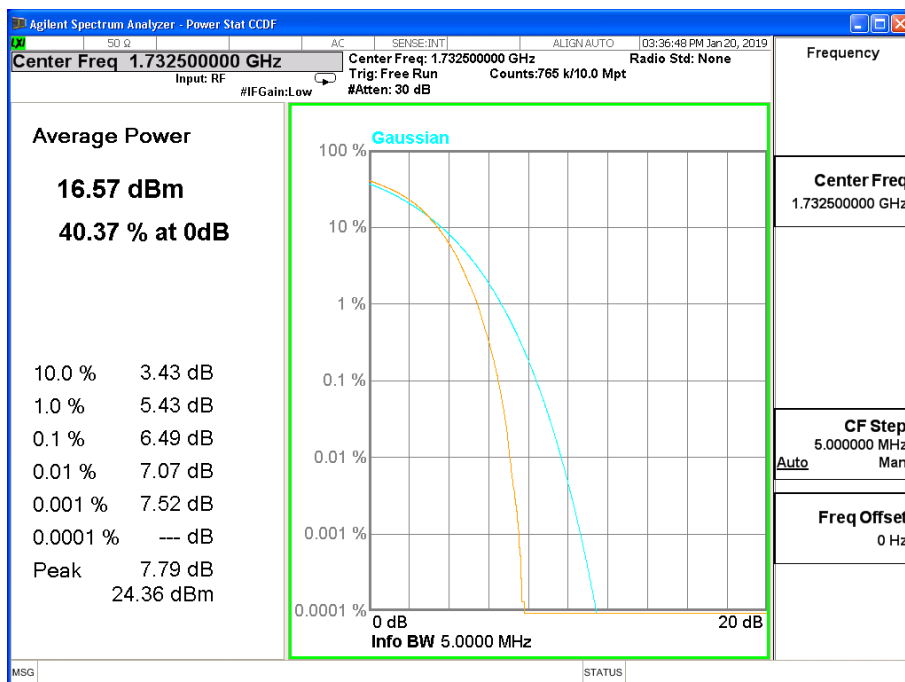
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 4-mid Channel)



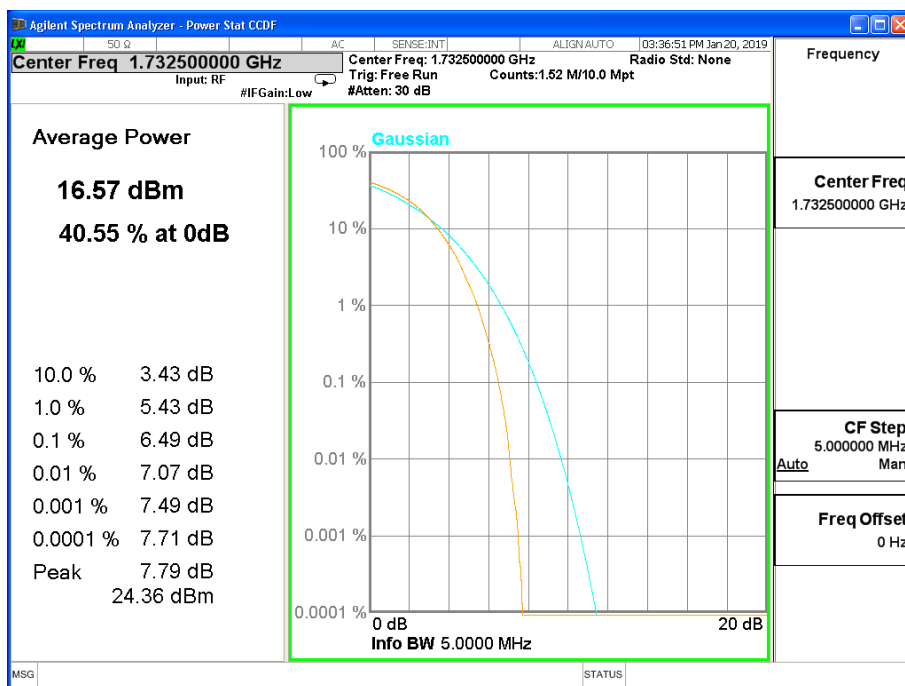
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 4-mid Channel)



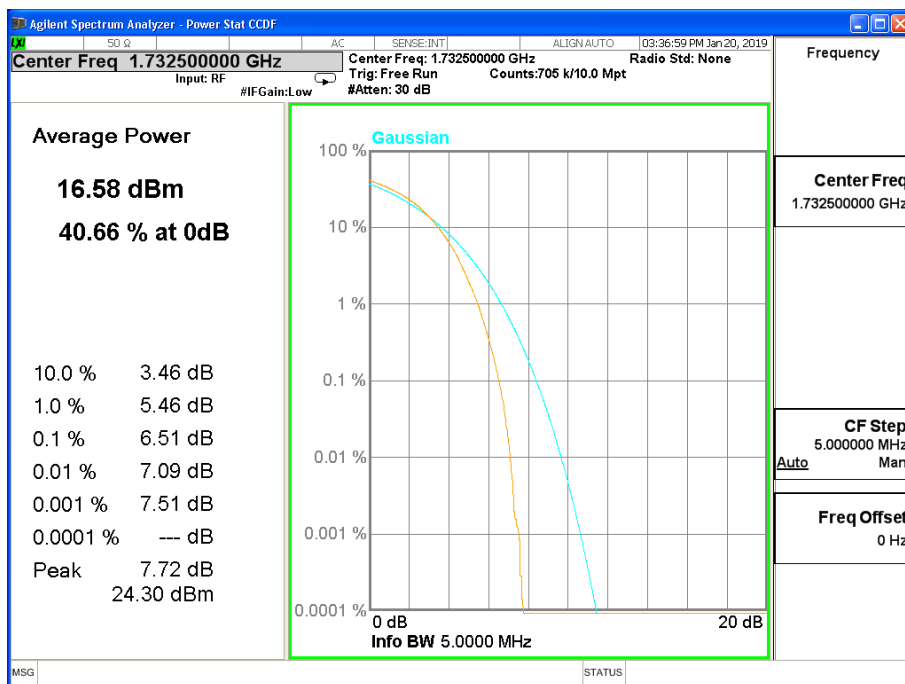
Peak-Average Ratio Plot(15MHz BW,64QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(20MHz BW,64QAM,Band 4-mid Channel)

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1720	20050	20	1	0	Fig.1

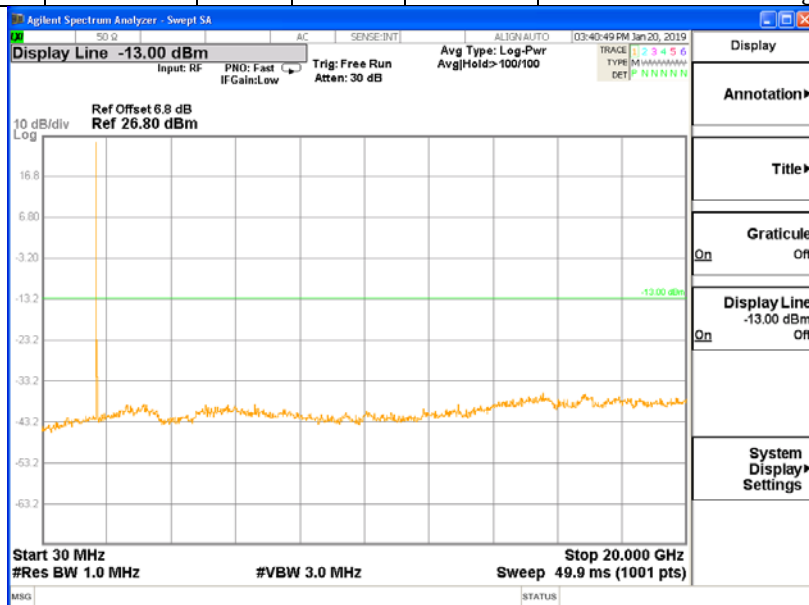


Fig.1

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1732.5	20175	20	1	0	Fig.1

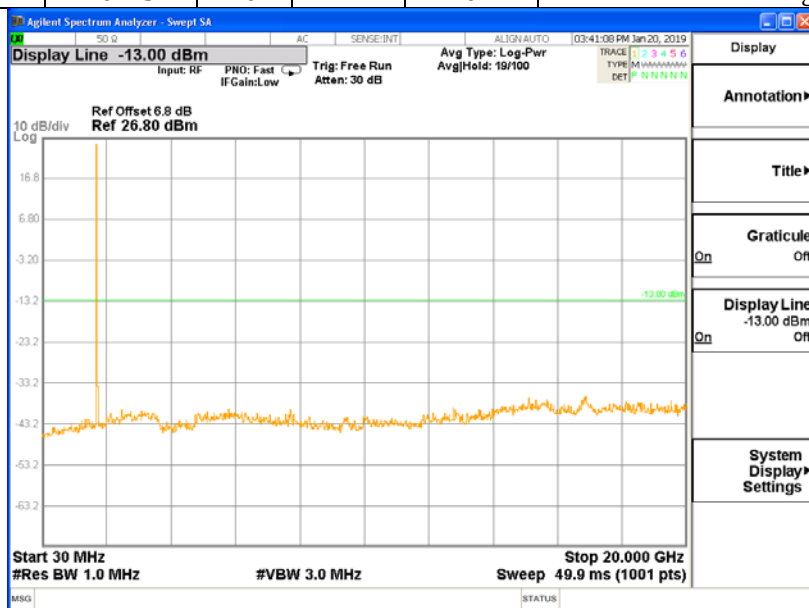


Fig.1

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1745	20300	20	1	0	Fig.1

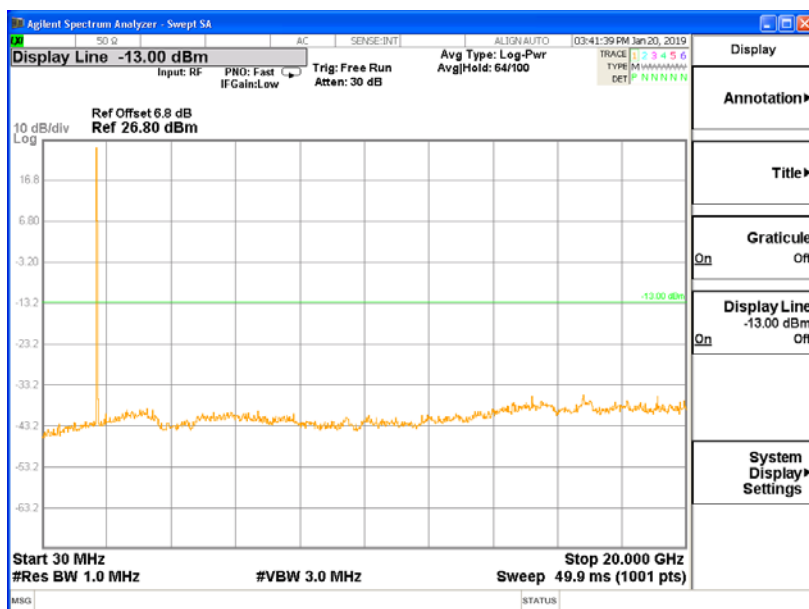


Fig.1

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1710.7	19957	1.4	1	0	Fig.1
				6	0	Fig.4

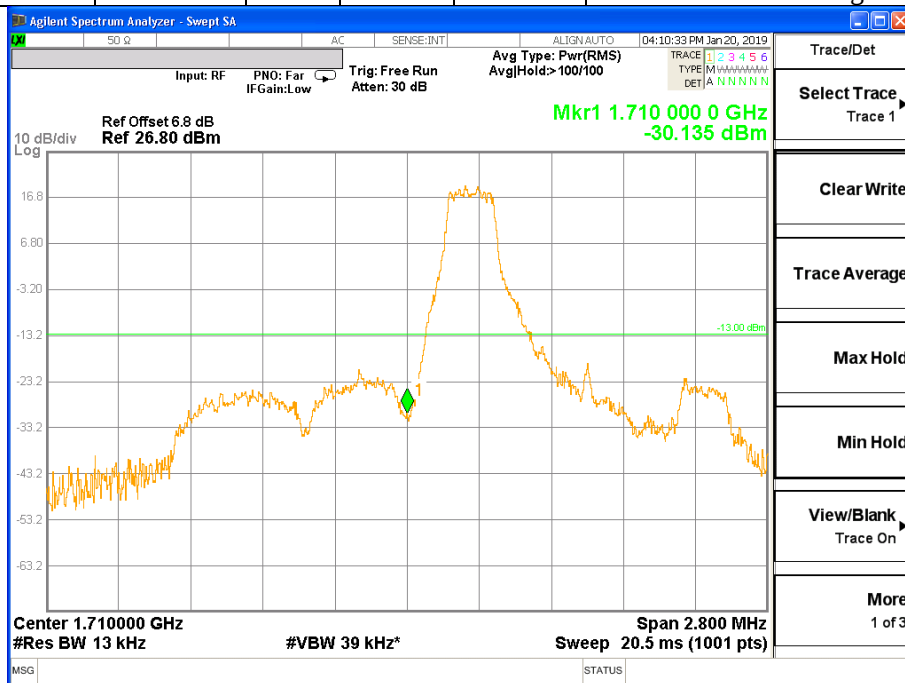


Fig.1

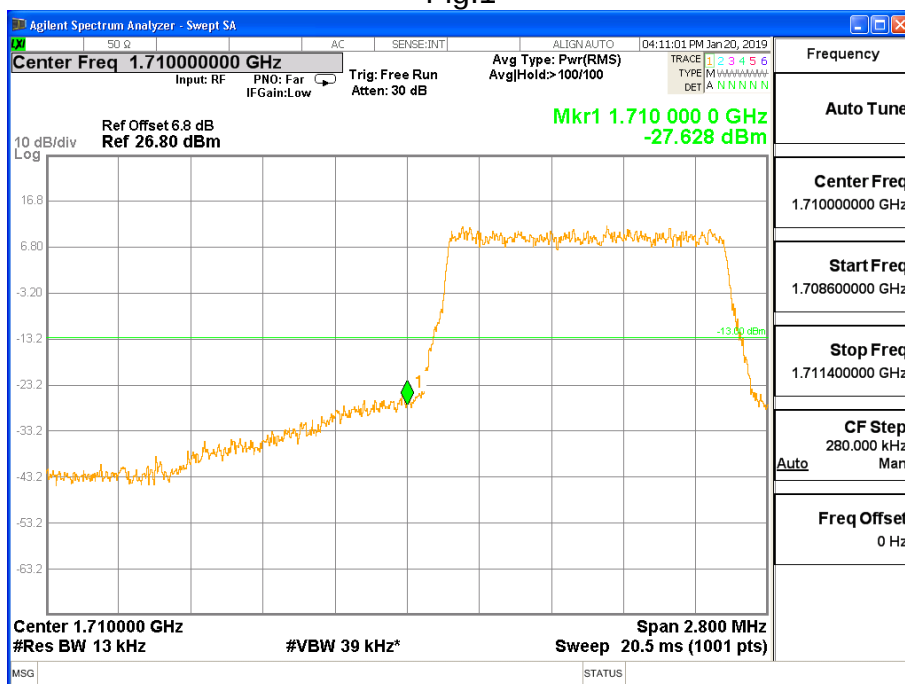


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1754.3	20393	1.4	1	0	Fig.1
				6	0	Fig.4

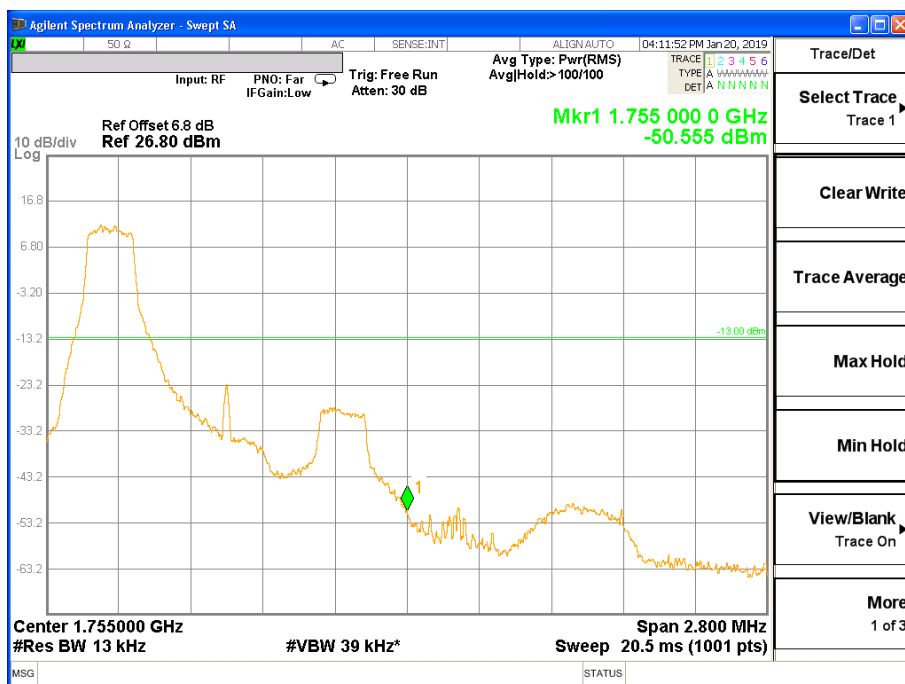


Fig.1

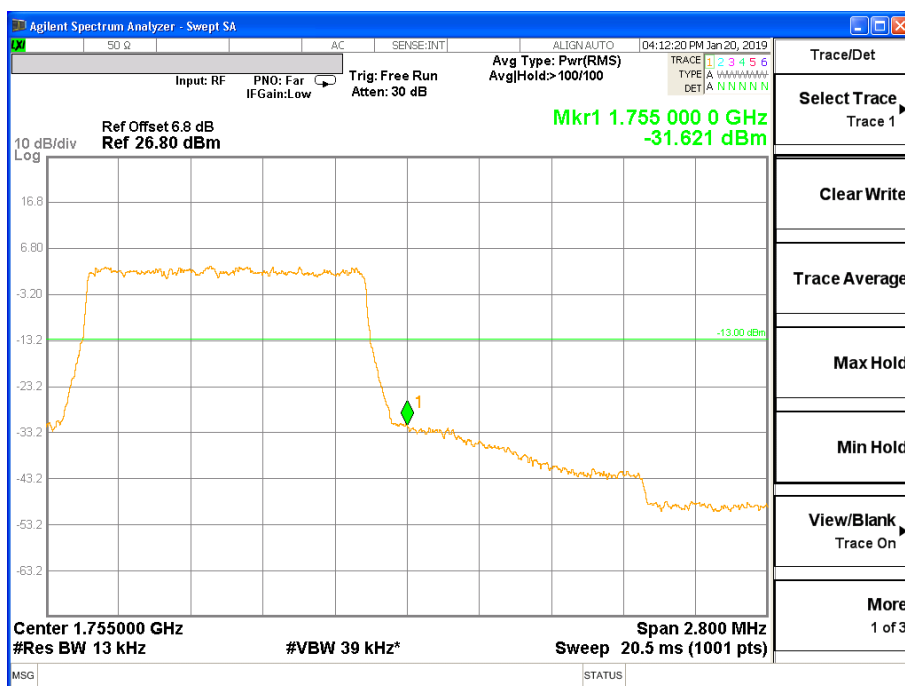


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1711.5	19965	3	1	0	Fig.1
				15	0	Fig.4

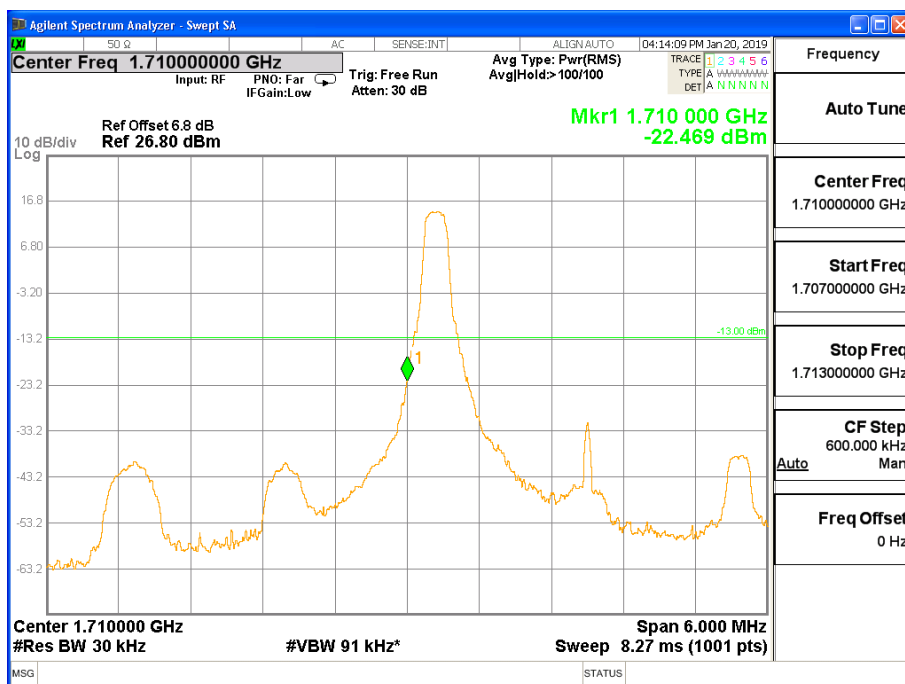


Fig.1

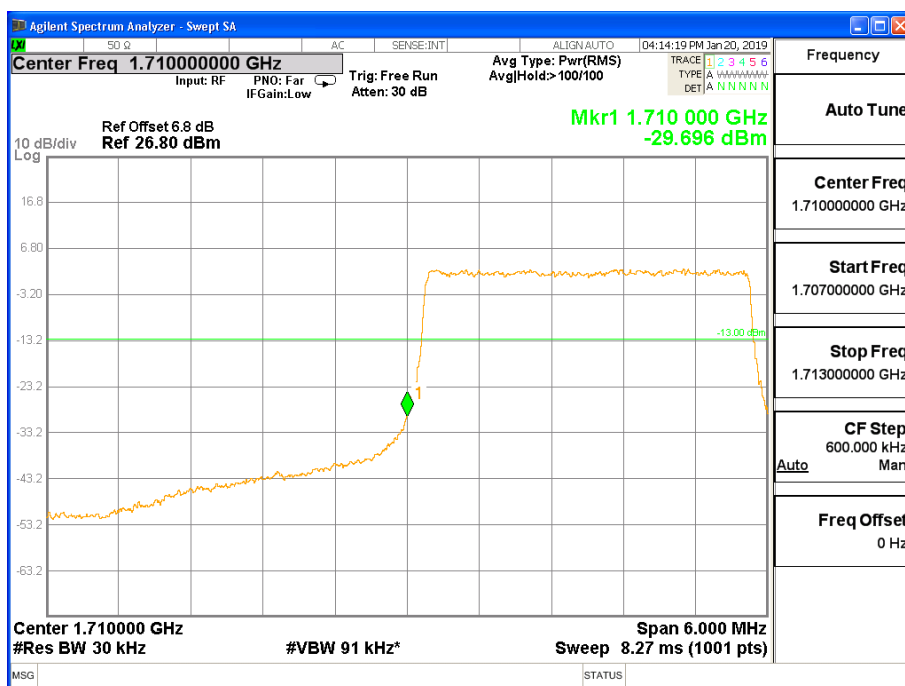


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1753.5	20385	3	1	0	Fig.1
				15	0	Fig.4

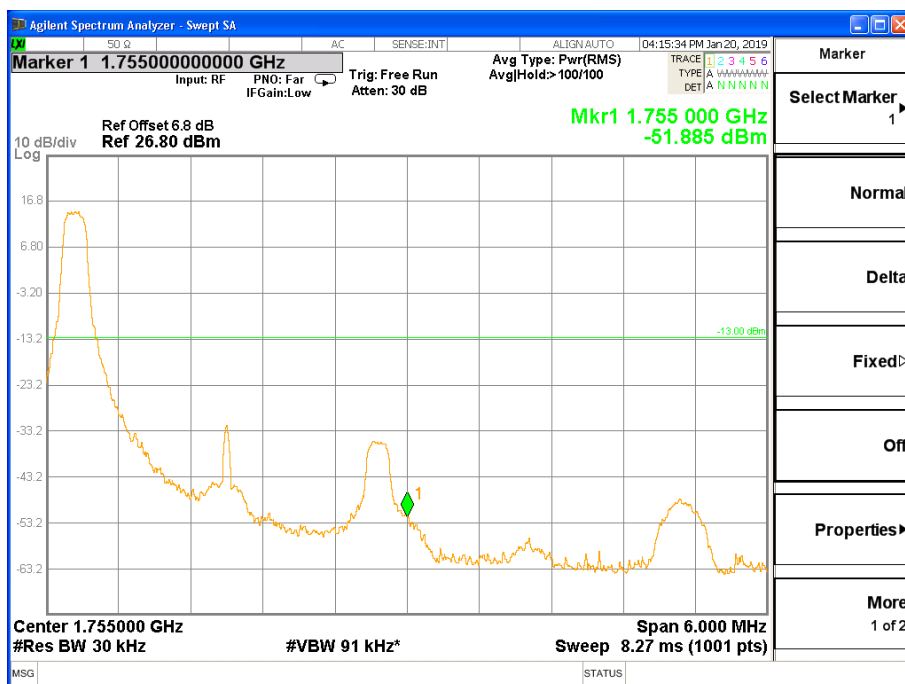


Fig.1

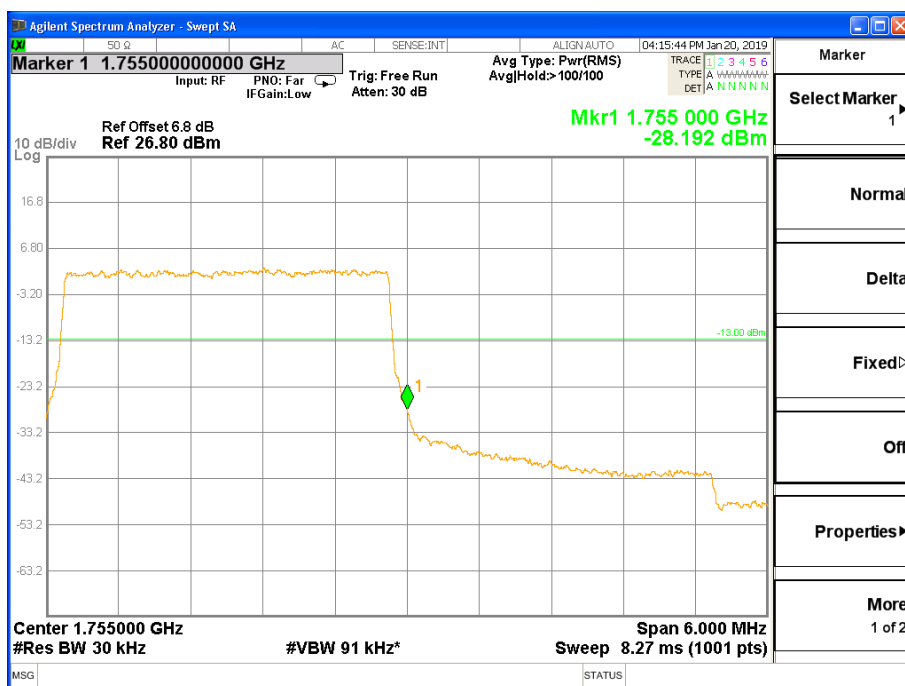


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1712.5	19975	5	1	0	Fig.1
				25	0	Fig.4

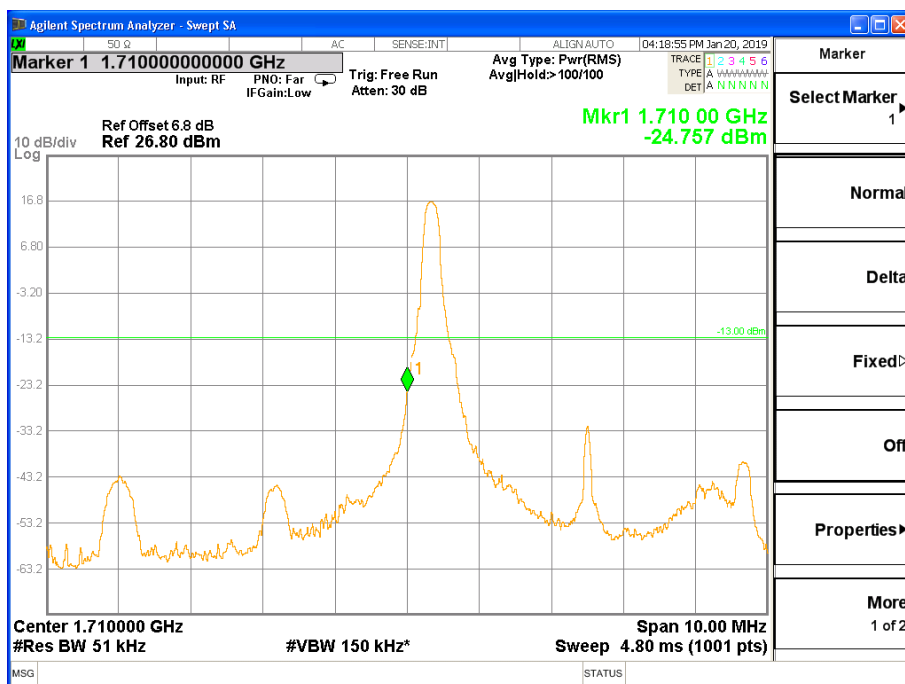


Fig.1

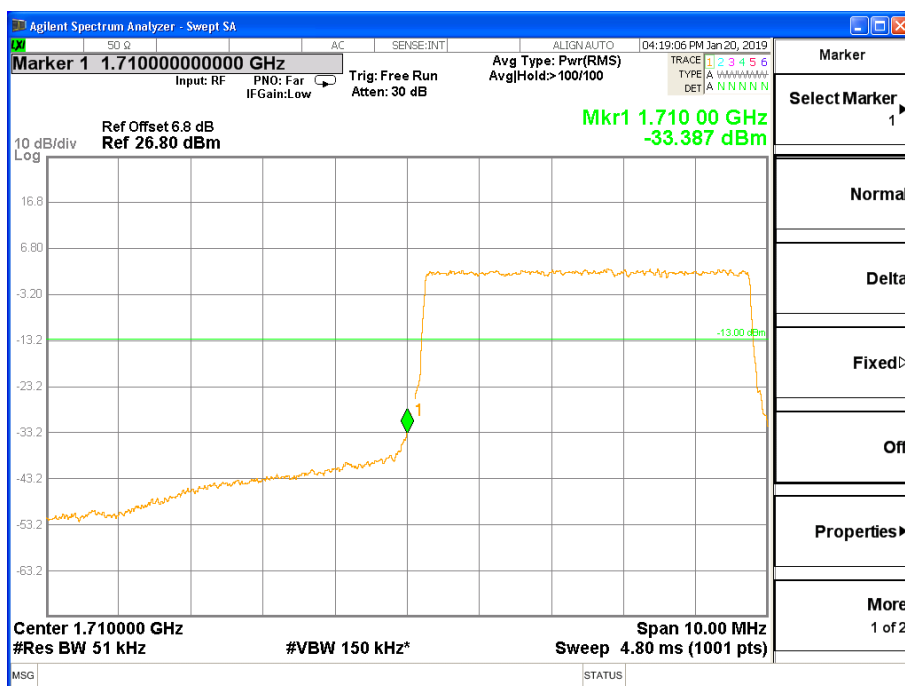


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1752.5	20375	5	1	0	Fig.1
				25	0	Fig.4

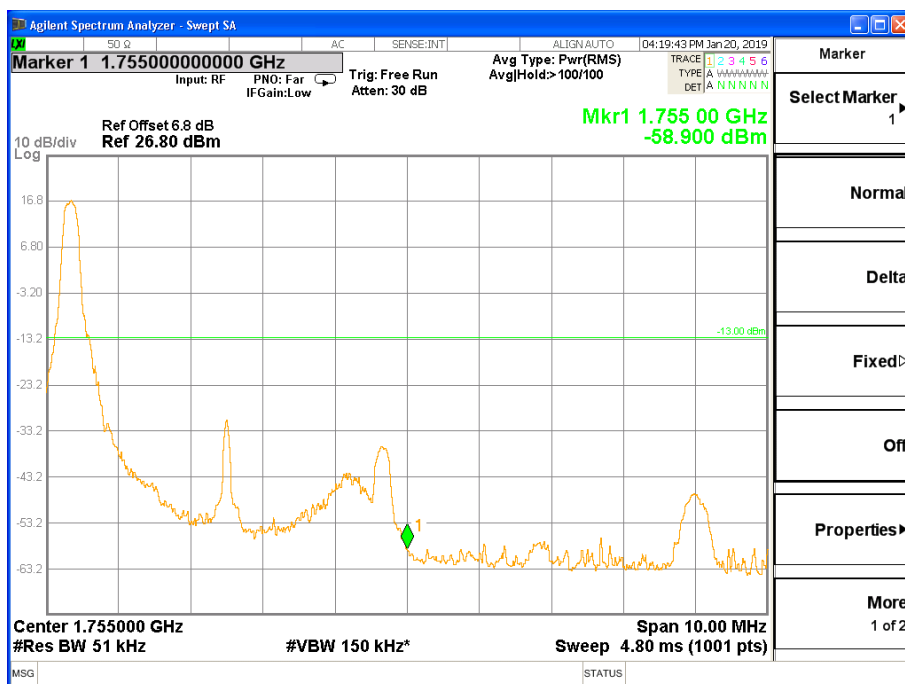


Fig.1

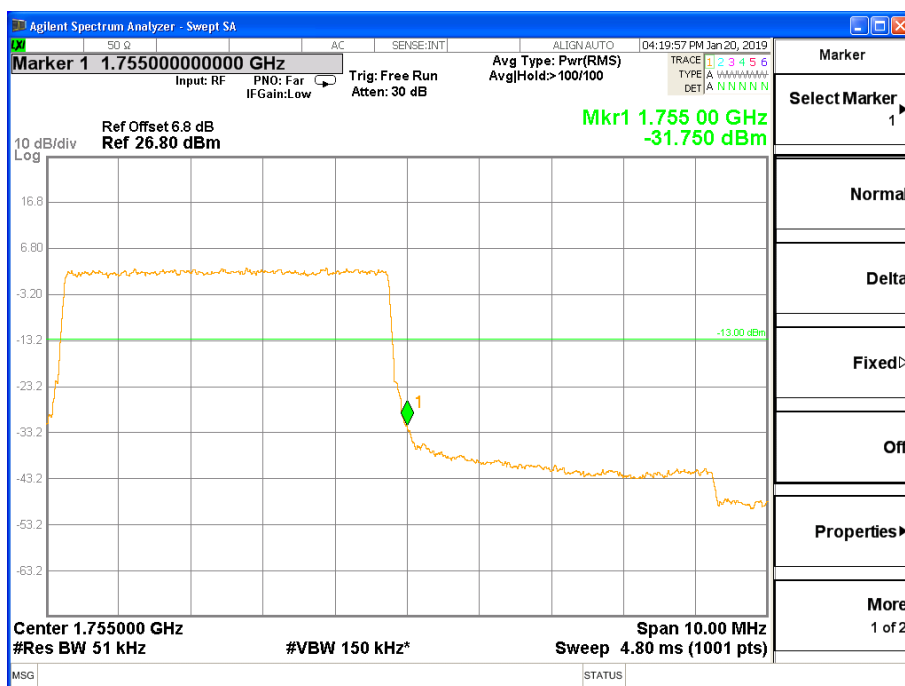


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1715	20000	10	1	0	Fig.1
				50	0	Fig.4

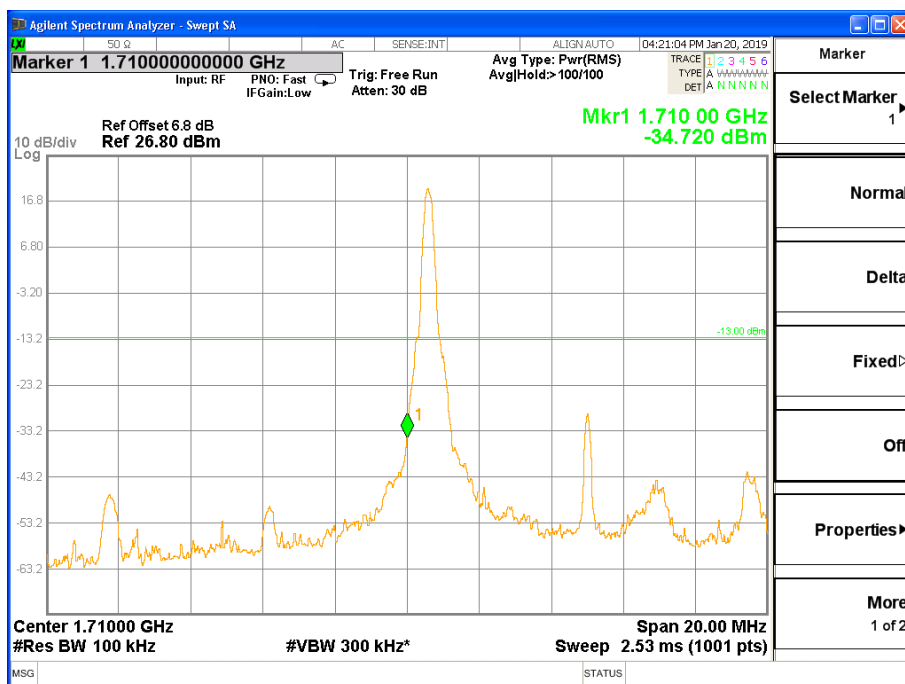


Fig.1

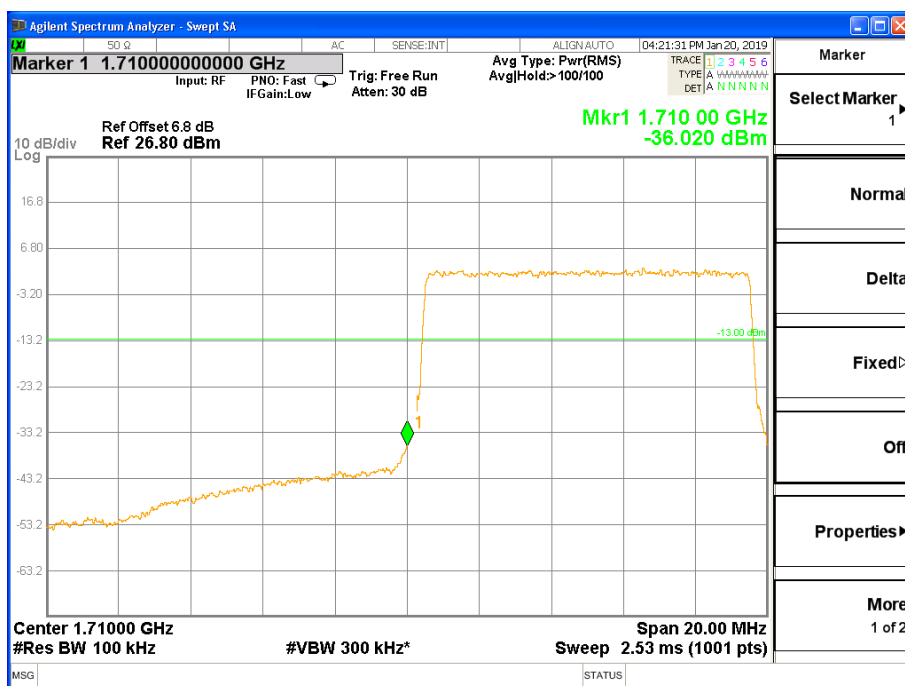


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1750	20350	10	1	0	Fig.1
				50	0	Fig.4

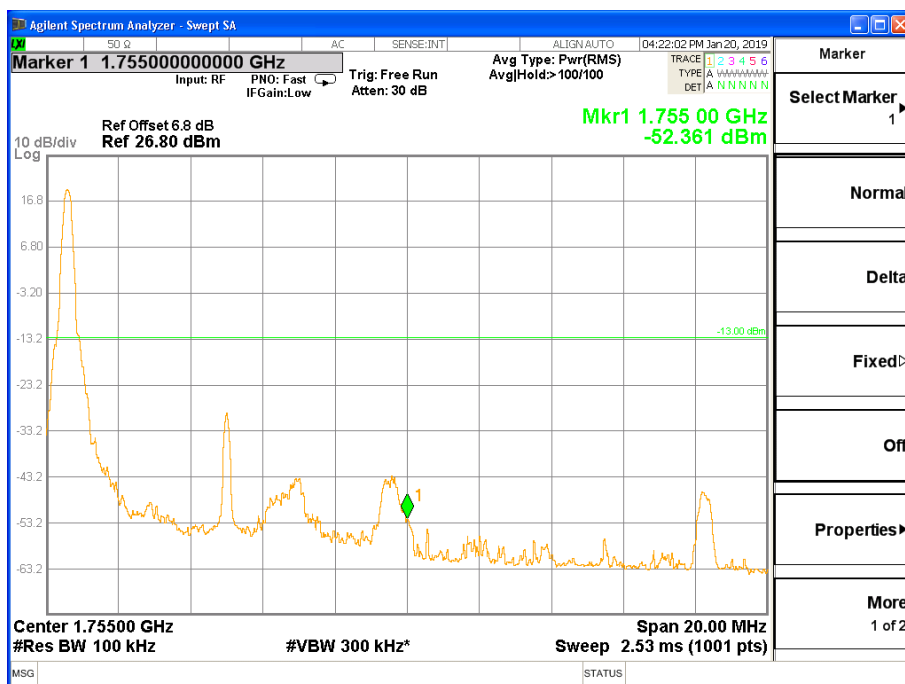


Fig.1

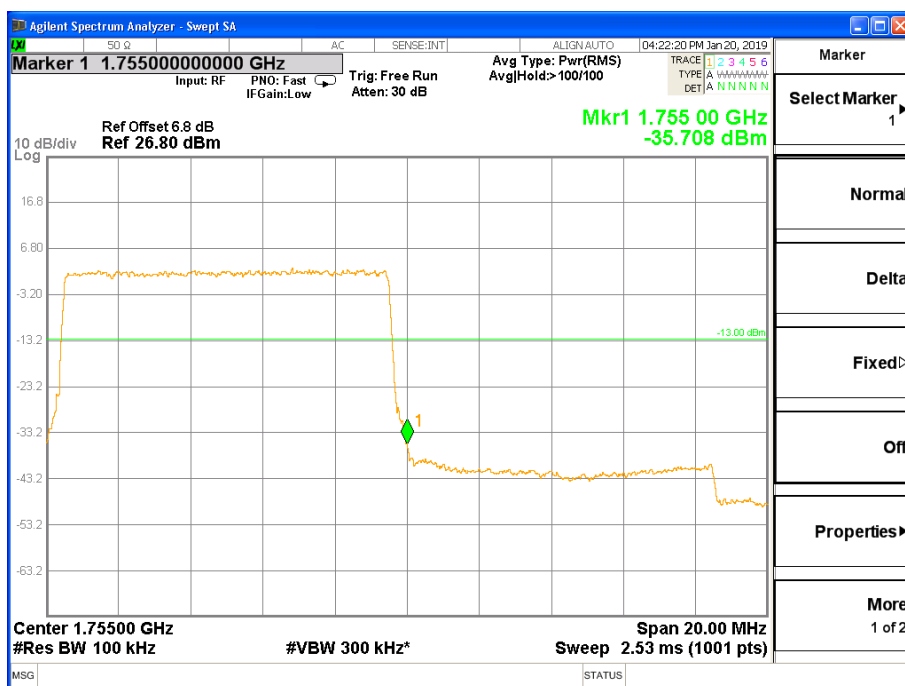


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1717.5	20025	15	1	0	Fig.1
				75	0	Fig.4

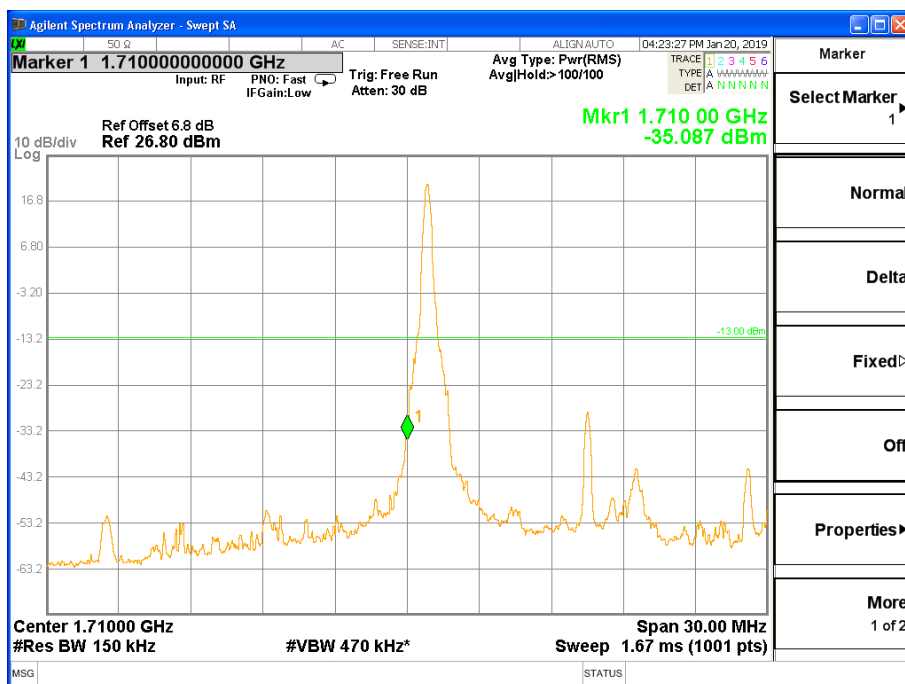


Fig.1

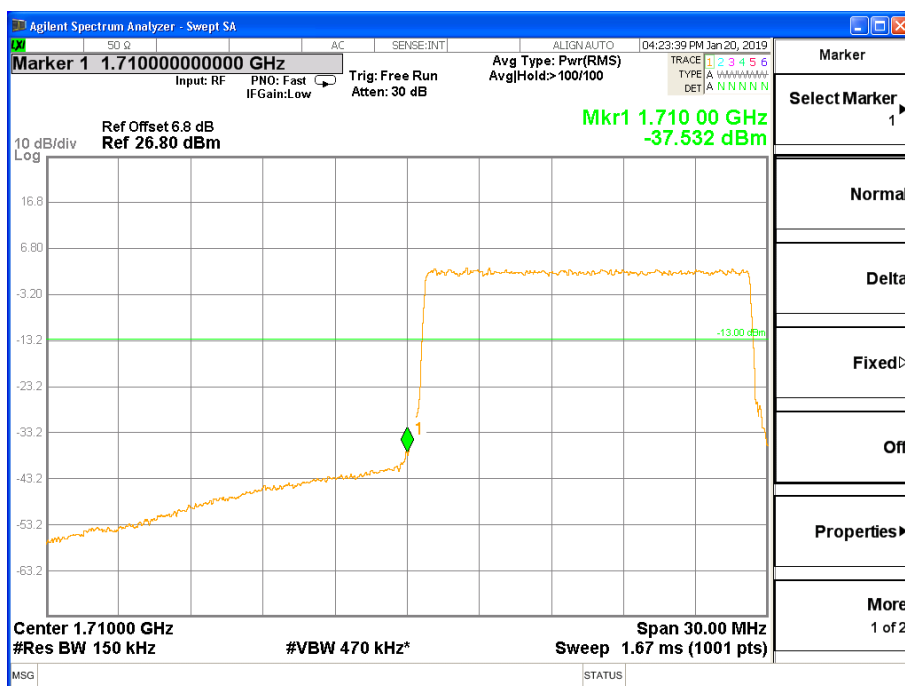


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1747.5	20325	15	1	0	Fig.1
				75	0	Fig.4

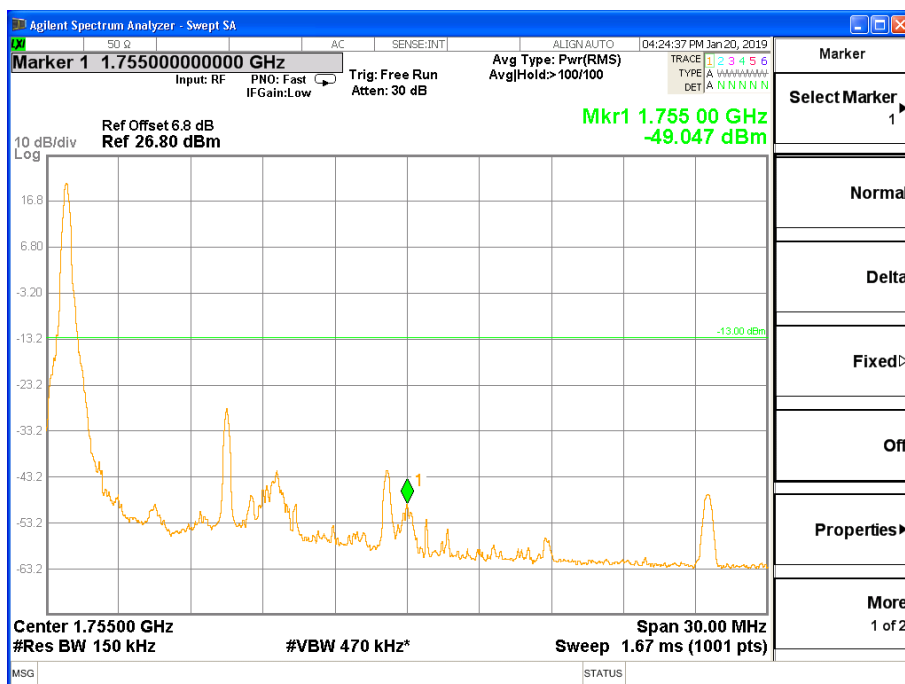


Fig.1

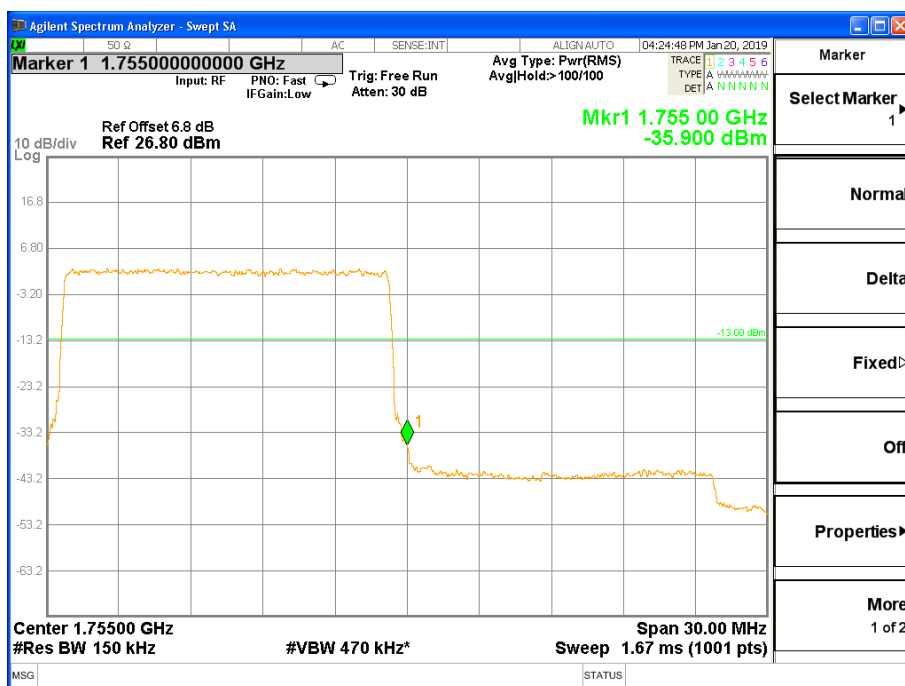


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1720	20050	20	1	0	Fig.1
				100	0	Fig.4

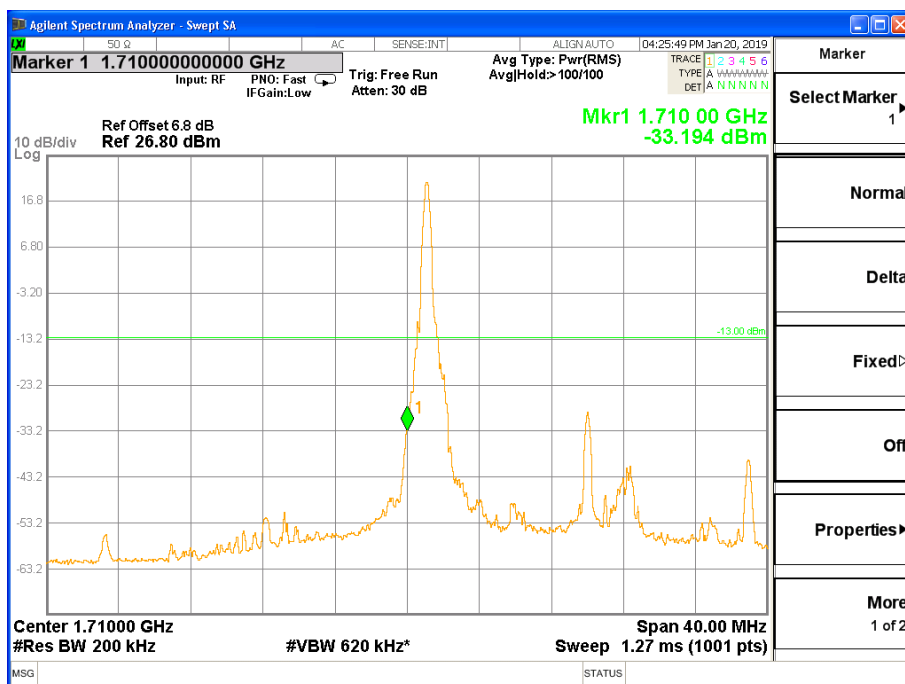


Fig.1

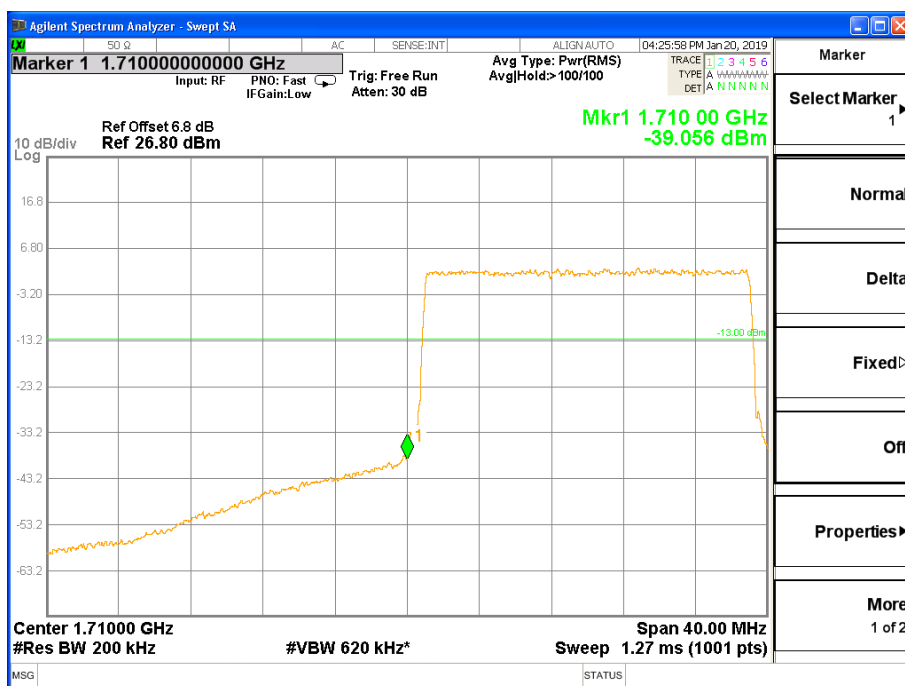


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
4	1745	20300	20	1	0	Fig.1
				100	0	Fig.4

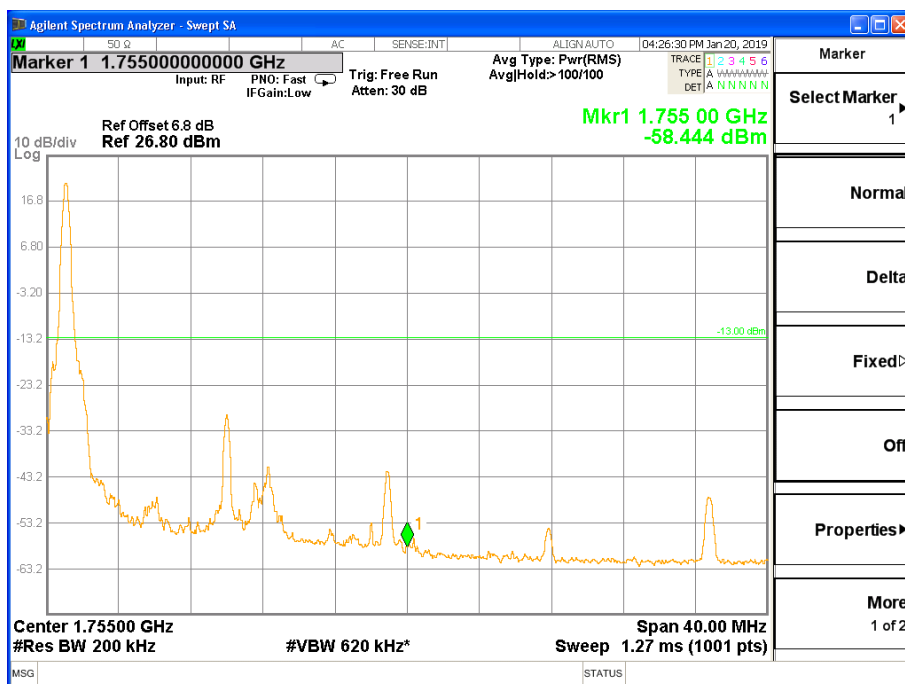


Fig.1

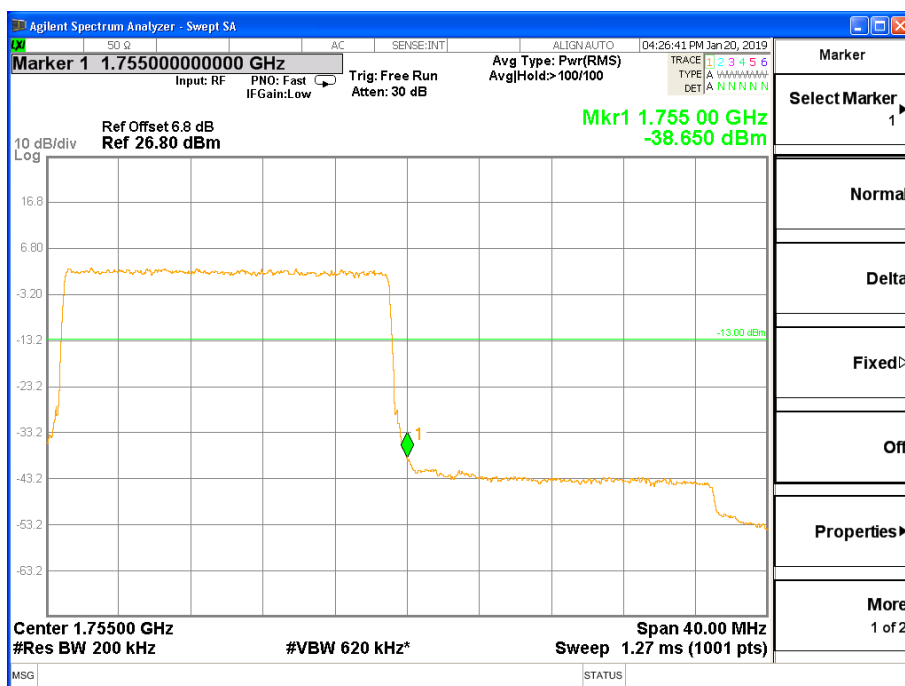


Fig.4

7 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.019	0.017	0.011	0.020	0.009	0.002
+10	NV	0.016	0.009	0.011	-0.020	0.012	0.002
+20	NV	0.009	0.009	-0.008	0.019	0.006	0.018
+30	NV	0.013	-0.003	0.010	0.002	0.003	0.011
+40	NV	0.004	0.013	0.015	0.017	-0.004	0.013
+50	NV	0.009	0.011	0.018	0.014	0.011	-0.004
+55	NV	0.009	0.014	0.020	0.012	0.019	0.016
+20	LV	-0.008	0.019	0.013	0.002	-0.007	0.004
+20	HV	0.003	0.018	0.009	0.017	0.003	0.015

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.001	0.003	0.013	0.003	0.006	0.007
+10	NV	-0.006	0.006	0.014	0.002	0.004	0.009
+20	NV	0.007	0.005	-0.017	0.007	0.002	0.004
+30	NV	0.010	0.009	0.018	-0.006	0.004	0.020
+40	NV	0.012	0.002	0.005	0.015	-0.002	0.002
+50	NV	0.017	0.006	0.018	0.019	0.006	-0.013
+55	NV	-0.007	0.011	0.015	0.003	0.014	0.001
+20	LV	0.012	-0.002	0.020	0.002	0.003	0.016
+20	HV	0.013	0.020	0.020	0.011	0.012	0.009