

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	699.7	23017	1.4	1	0	22.52	
				1	3	22.51	
				1	5	22.46	
				3	0	22.42	
				3	1	22.48	
				3	3	22.44	
				6	0	21.51	
	707.5	23095		1	0	22.10	
				1	3	22.06	
				1	5	22.05	
				3	0	21.33	
				3	1	21.32	
				3	3	21.31	
				6	0	20.95	
	715.3	23173		1	0	22.26	
				1	3	22.29	
				1	5	22.23	
				3	0	22.20	
				3	1	22.23	
				3	3	22.18	
				6	0	21.29	
	16QAM	699.7		23017	1	0	21.82
					1	3	21.96
					1	5	21.87
3					0	21.46	
3					1	21.34	
3					3	21.50	
6					0	21.08	
707.5		23095		1	0	21.79	
				1	3	21.83	
			1	5	21.65		
			3	0	21.28		
			3	1	21.27		
			3	3	21.42		
			6	0	20.92		
715.3		23173	1	0	21.59		
			1	3	21.74		
			1	5	21.63		
			3	0	21.24		
			3	1	21.11		
			3	3	21.28		
			6	0	20.86		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	22.43
				1	8	22.46
				1	14	22.45
				8	0	21.44
				8	4	21.41
				8	7	21.41
				15	0	21.43
	707.5	23095		1	0	22.34
				1	8	22.40
				1	14	22.39
				8	0	21.30
				8	4	21.29
				8	7	21.30
				15	0	21.31
	714.5	23165		1	0	22.40
				1	8	22.47
				1	14	22.46
				8	0	21.23
				8	4	21.37
				8	7	21.37
				15	0	21.15
16QAM	700.5	23025		1	0	21.67
				1	8	21.61
				1	14	21.61
				8	0	21.16
				8	4	21.00
				8	7	21.10
				15	0	21.01
	707.5	23095		1	0	21.62
				1	8	21.54
			1	14	21.54	
			8	0	20.44	
			8	4	20.82	
			8	7	20.82	
			15	0	20.77	
	714.5	23165	1	0	21.01	
			1	8	21.14	
			1	14	21.04	
			8	0	20.55	
			8	4	20.96	
			8	7	20.96	
			15	0	20.46	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	701.5	23035	5	1	0	22.29	
				1	12	22.34	
				1	24	22.41	
				12	0	21.20	
				12	7	21.45	
				12	13	21.45	
	25	0		21.40			
	707.5	23095		1	0	22.51	
				1	12	22.51	
				1	24	22.39	
				12	0	21.38	
				12	7	21.34	
				12	13	21.34	
	25	0		21.38			
	713.5	23155		1	0	22.34	
				1	12	22.21	
				1	24	22.25	
				12	0	21.43	
				12	7	21.15	
				12	13	21.13	
	25	0		21.12			
	16QAM	701.5		23035	1	0	20.59
					1	12	20.71
					1	24	20.57
12					0	20.89	
12					7	20.87	
12					13	20.72	
25		0		20.89			
707.5		23095		1	0	21.34	
				1	12	21.40	
				1	24	21.40	
				12	0	20.32	
				12	7	20.93	
				12	13	20.87	
25		0		20.96			
713.5		23155		1	0	21.07	
				1	12	20.97	
				1	24	20.97	
				12	0	20.64	
				12	7	20.18	
				12	13	20.18	
25		0		20.25			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.32
				1	25	22.35
				1	49	22.34
				25	0	21.46
				25	12	21.29
				25	25	21.29
				50	0	21.41
	707.5	23095		1	0	22.41
				1	25	22.40
				1	49	22.39
				25	0	21.32
				25	12	21.46
				25	25	21.47
				50	0	21.34
	711	23130		1	0	22.48
				1	25	22.47
				1	49	22.46
				25	0	21.32
				25	12	21.18
				25	25	21.17
				50	0	21.38
16QAM	704	23060		1	0	21.49
				1	25	21.28
				1	49	21.28
				25	0	20.81
				25	12	20.33
				25	25	20.33
				50	0	20.51
	707.5	23095		1	0	22.01
				1	25	22.11
			1	49	22.11	
			25	0	20.20	
			25	12	20.49	
			25	25	20.50	
			50	0	20.88	
	711	23130	1	0	21.18	
			1	25	21.08	
			1	49	21.04	
			25	0	20.93	
			25	12	20.46	
			25	25	20.46	
			50	0	20.47	

Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.088	Fig.1	1.082	Fig.2
	707.5	23095		6	0	1.082	Fig.3	1.094	Fig.4
	715.3	23173		6	0	1.082	Fig.5	1.088	Fig.6
	700.5	23025	3	15	0	2.683	Fig.7	2.683	Fig.8
	707.5	23095		15	0	2.683	Fig.9	2.683	Fig.10
	714.5	23165		15	0	2.696	Fig.11	2.683	Fig.12
	701.5	23035	5	25	0	4.472	Fig.13	4.472	Fig.14
	707.5	23095		25	0	4.472	Fig.15	4.472	Fig.16
	713.5	23155		25	0	4.472	Fig.17	4.472	Fig.18
	704	23060	10	50	0	8.857	Fig.19	8.900	Fig.20
	707.5	23095		50	0	8.944	Fig.21	8.857	Fig.22
	711	23130		50	0	8.944	Fig.23	8.900	Fig.24

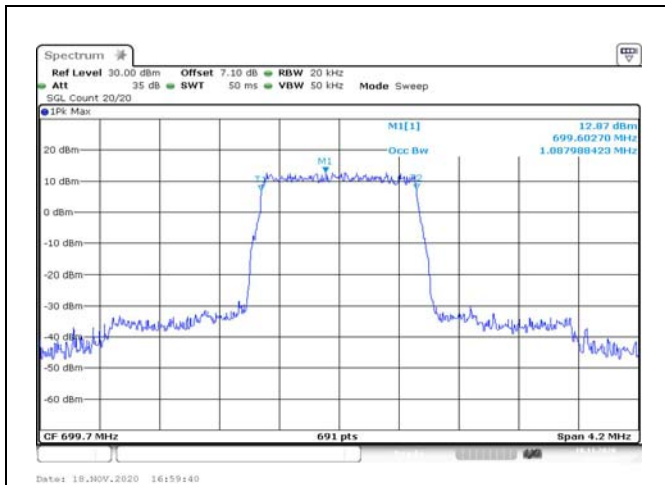


Fig.1

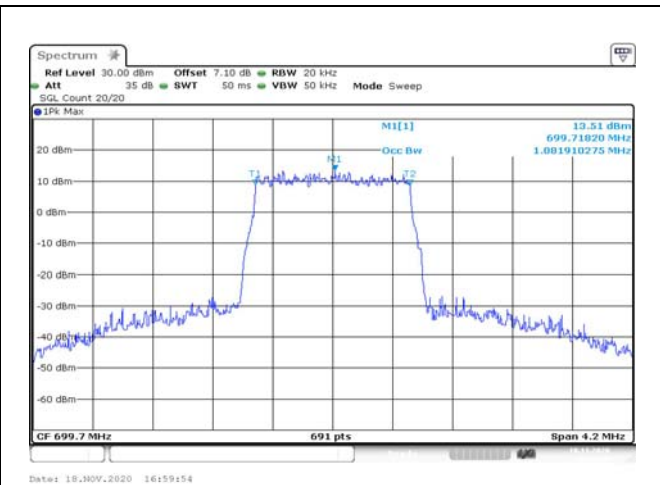


Fig.2

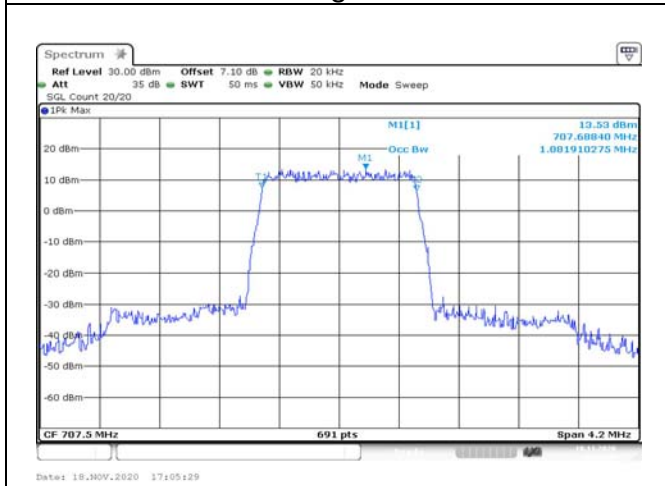


Fig.3

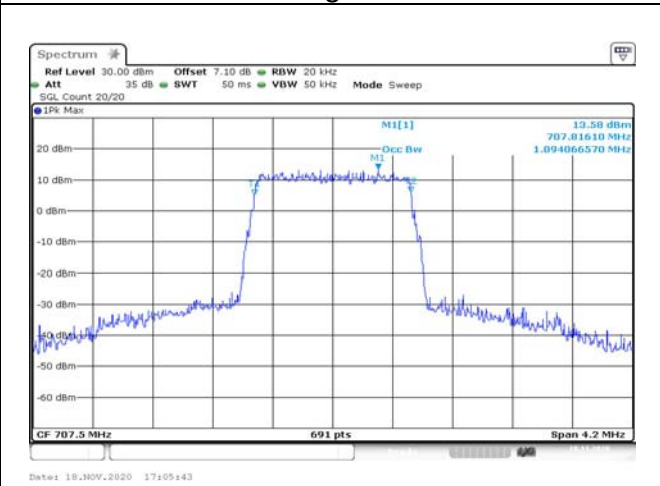


Fig.4

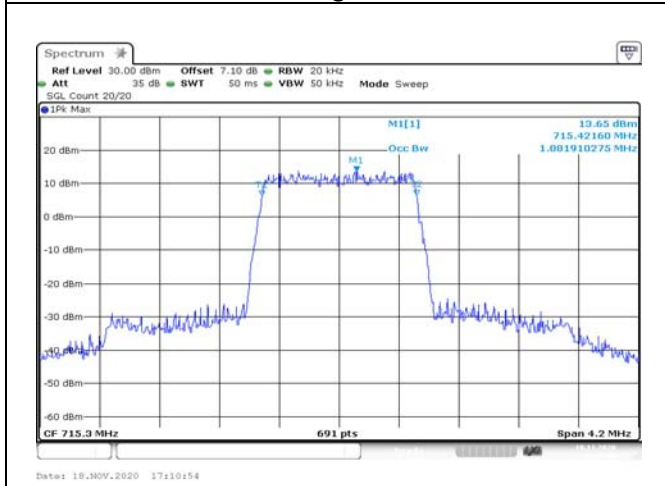


Fig.5

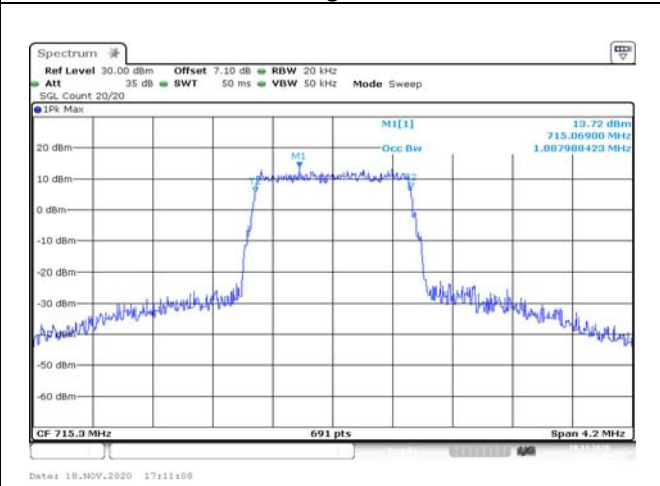


Fig.6

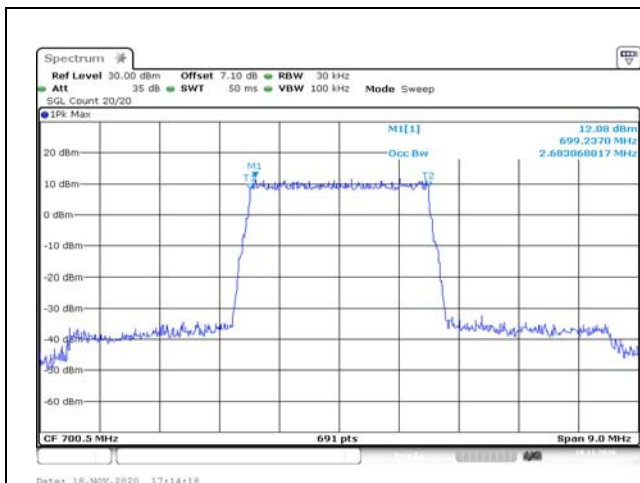


Fig.7

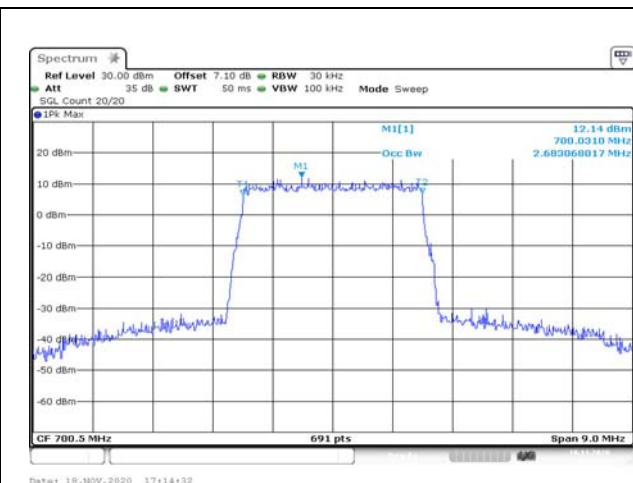


Fig.8

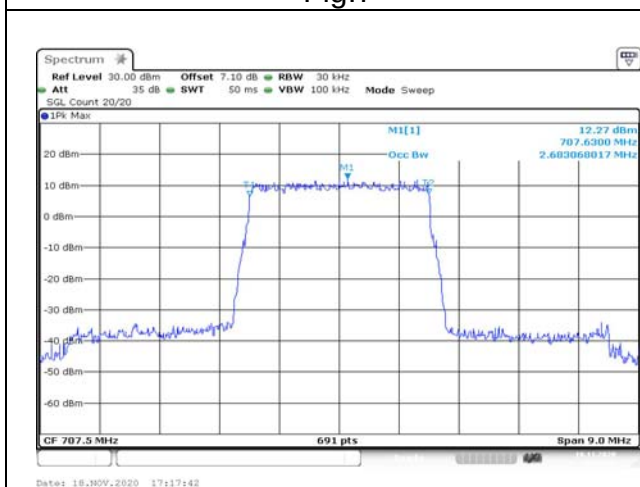


Fig.9

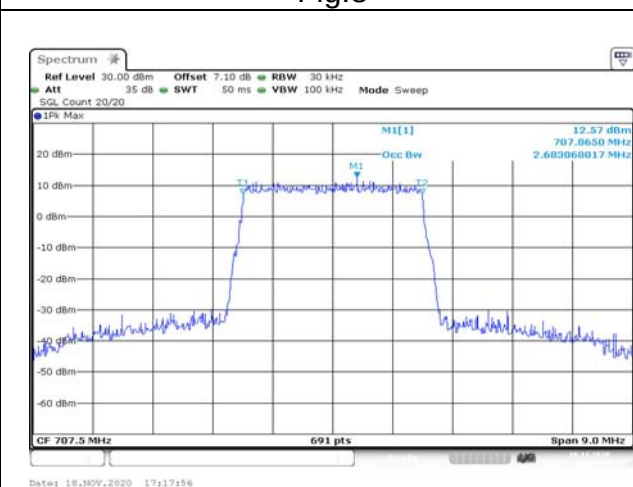


Fig.10

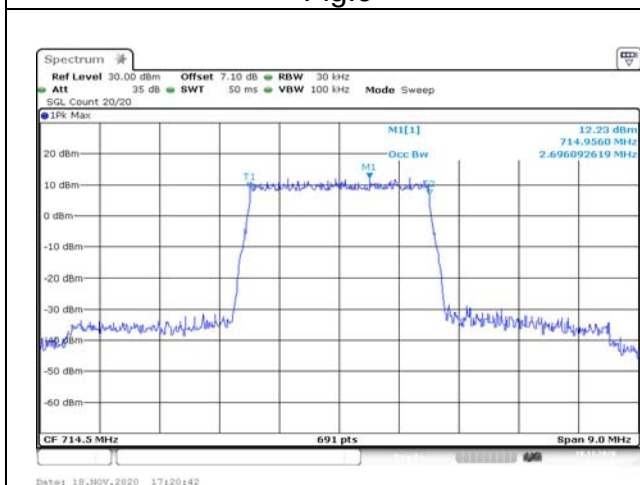


Fig.11

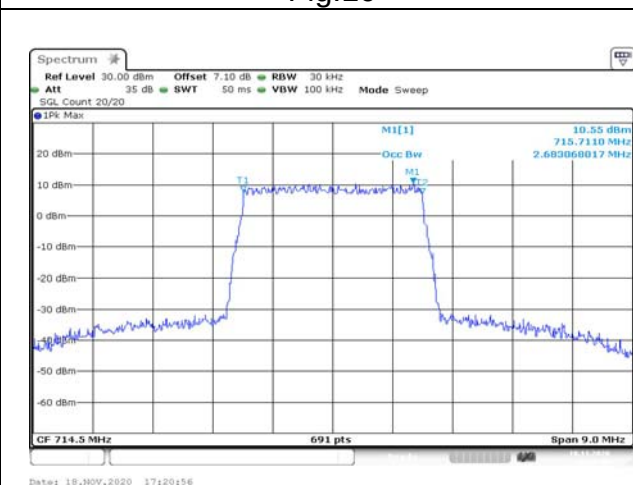


Fig.12

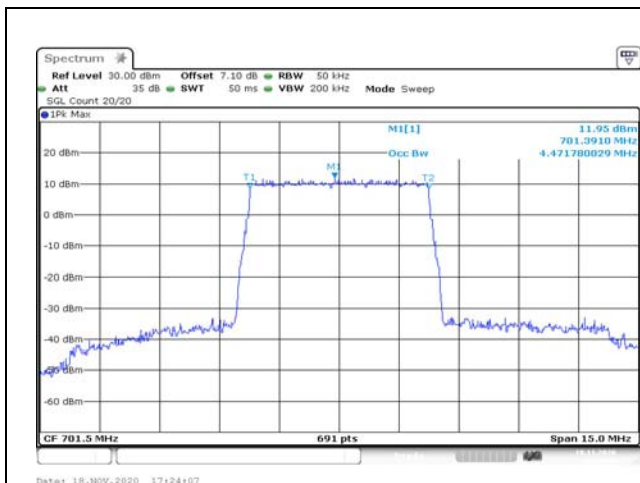


Fig.13

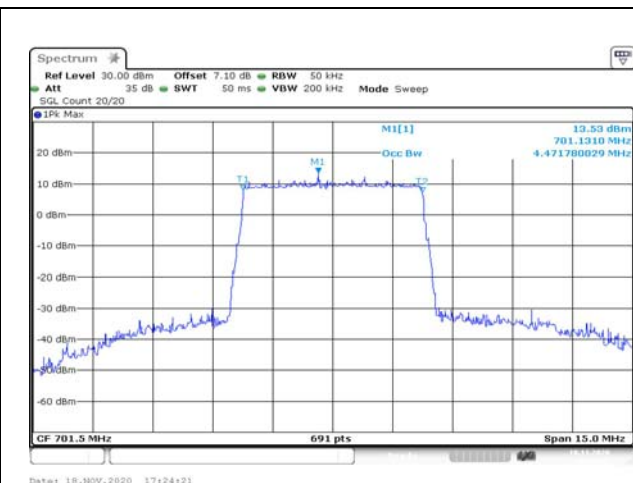


Fig.14

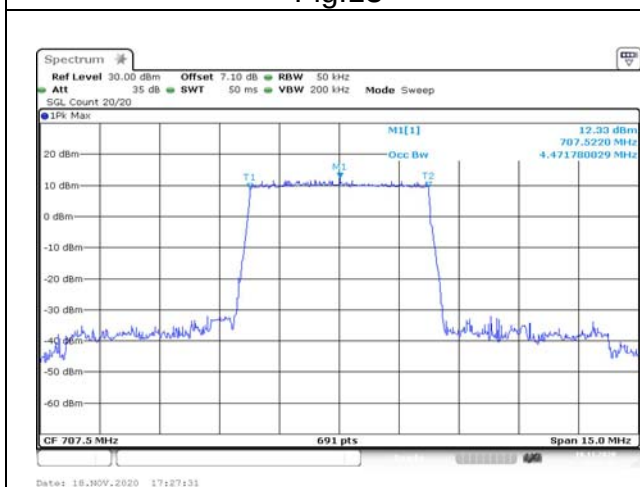


Fig.15

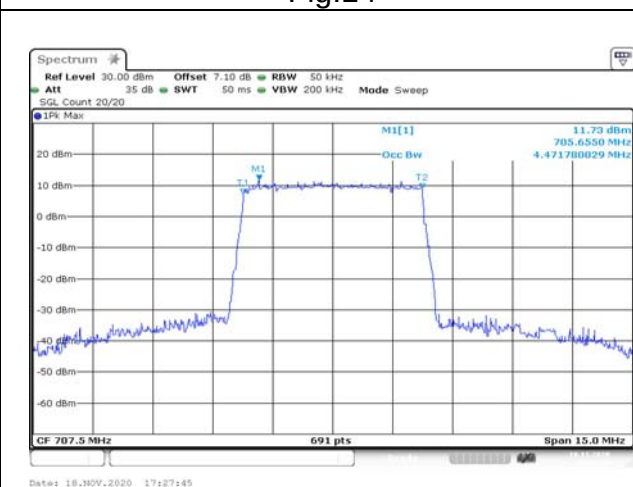


Fig.16

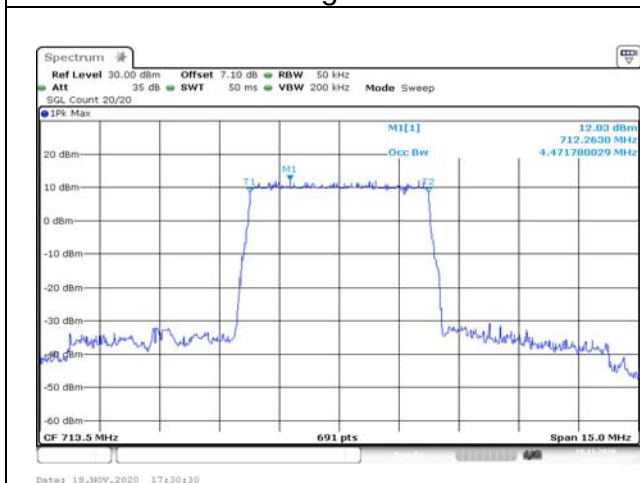


Fig.17

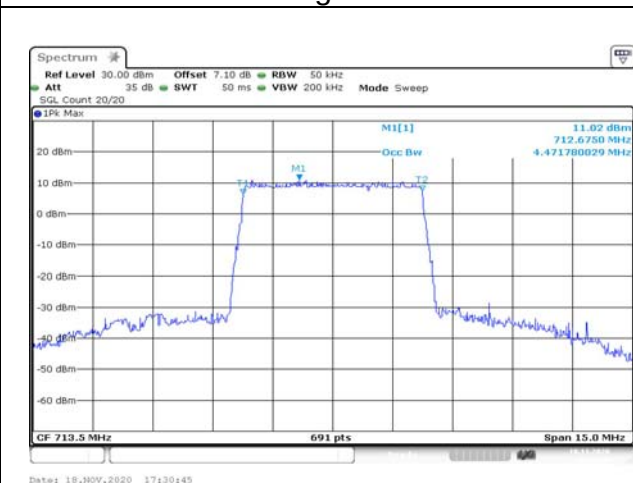
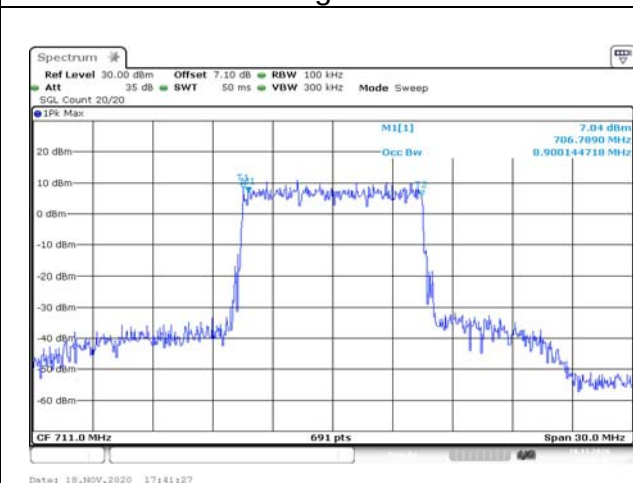
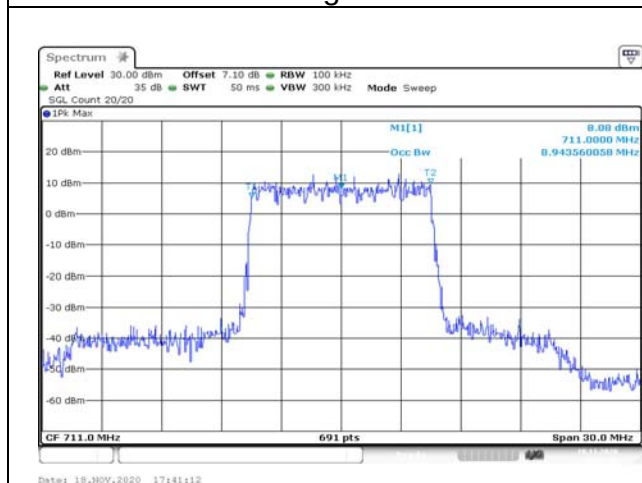
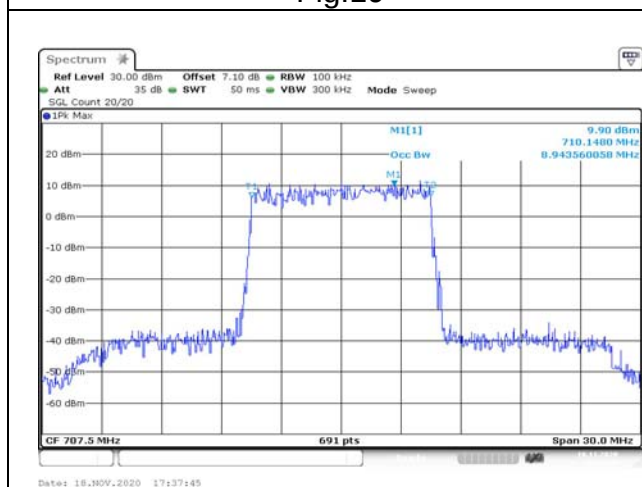
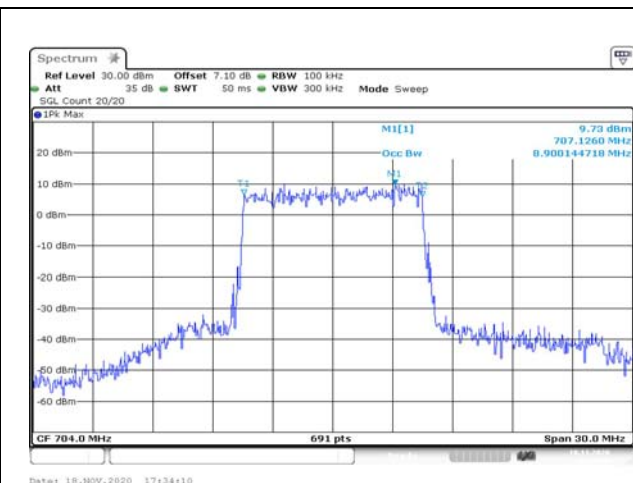
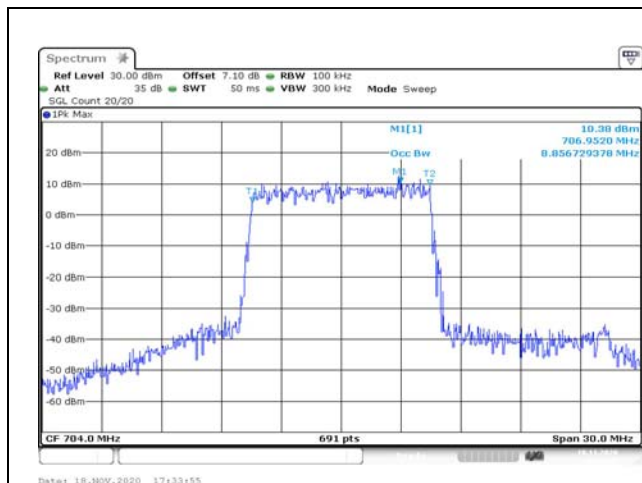


Fig.18



Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.228	Fig.1	1.228	Fig.2
	707.5	23095		6	0	1.228	Fig.3	1.228	Fig.4
	715.3	23173		6	0	1.228	Fig.5	1.228	Fig.6
	700.5	23025	3	15	0	2.996	Fig.7	2.970	Fig.8
	707.5	23095		15	0	2.996	Fig.9	2.983	Fig.10
	714.5	23165		15	0	3.009	Fig.11	2.983	Fig.12
	701.5	23035	5	25	0	4.863	Fig.13	4.884	Fig.14
	707.5	23095		25	0	4.884	Fig.15	4.884	Fig.16
	713.5	23155		25	0	4.797	Fig.17	4.884	Fig.18
	704	23060	10	50	0	9.638	Fig.19	9.768	Fig.20
	707.5	23095		50	0	9.725	Fig.21	9.638	Fig.22
	711	23130		50	0	9.725	Fig.23	9.812	Fig.24

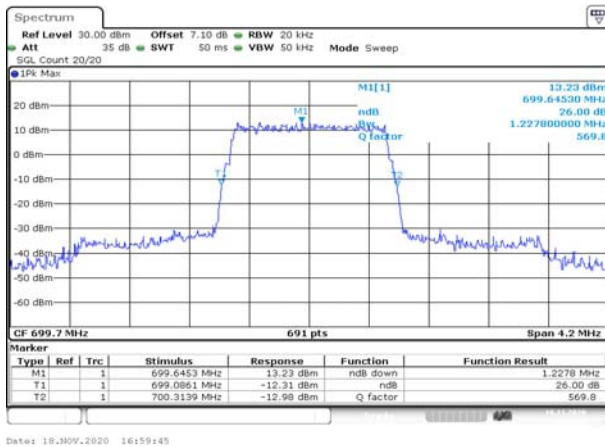


Fig.1

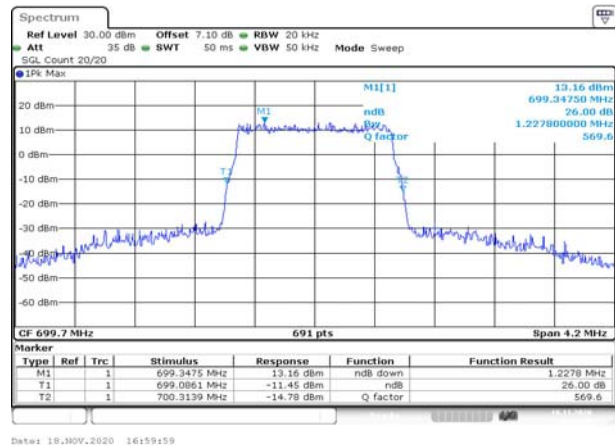


Fig.2

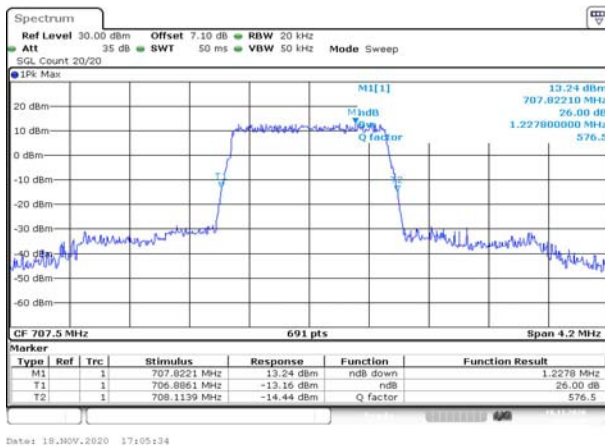


Fig.3

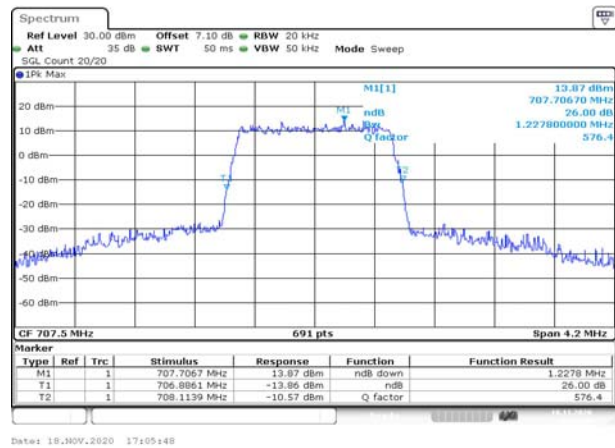


Fig.4

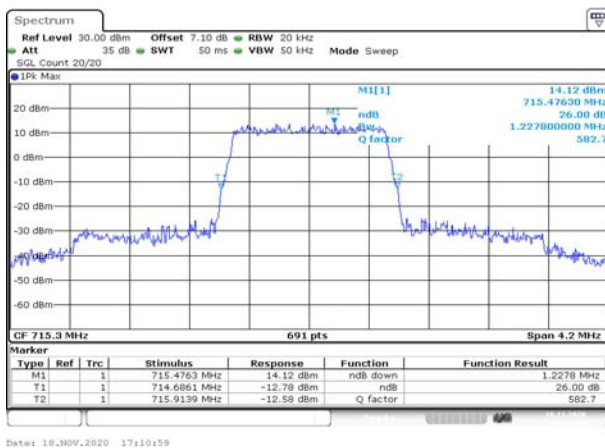


Fig.5

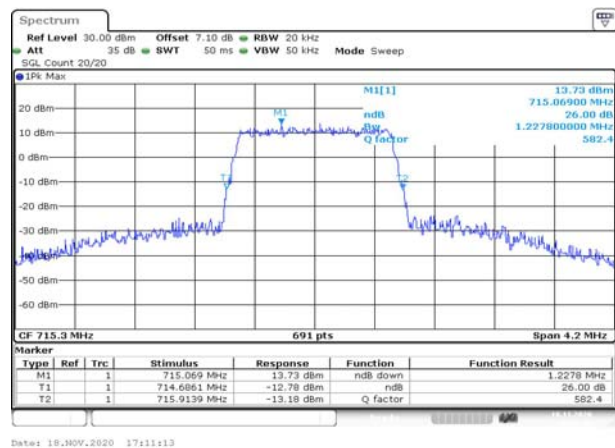


Fig.6

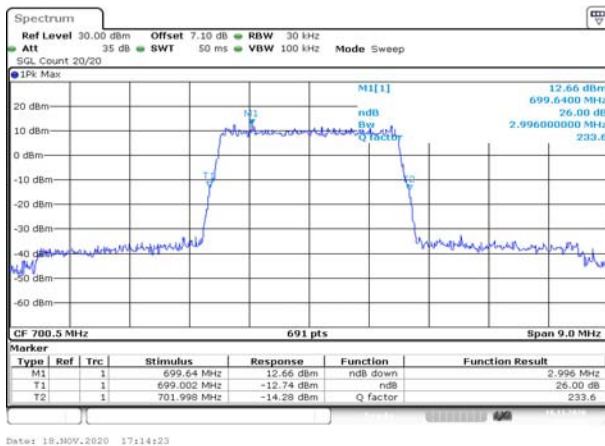


Fig.7

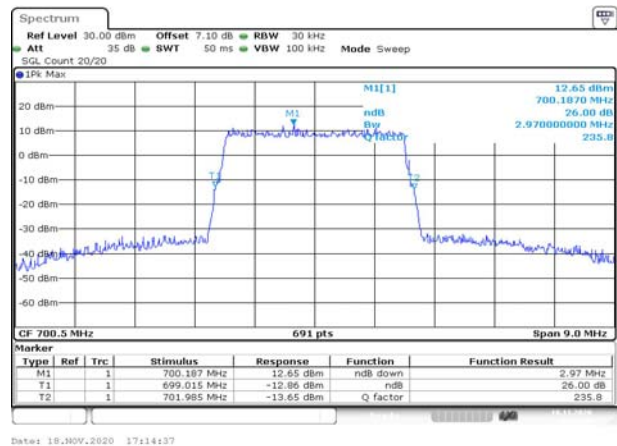


Fig.8

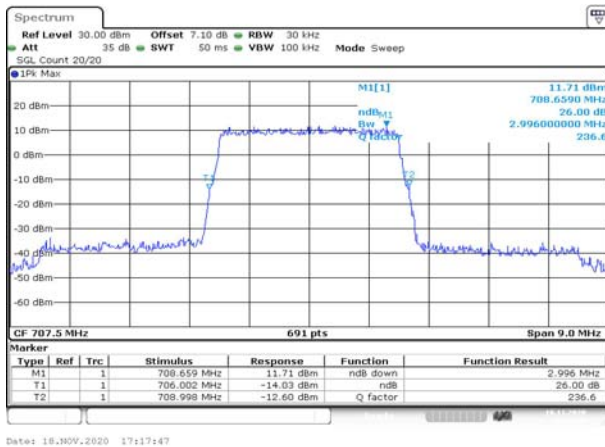


Fig.9

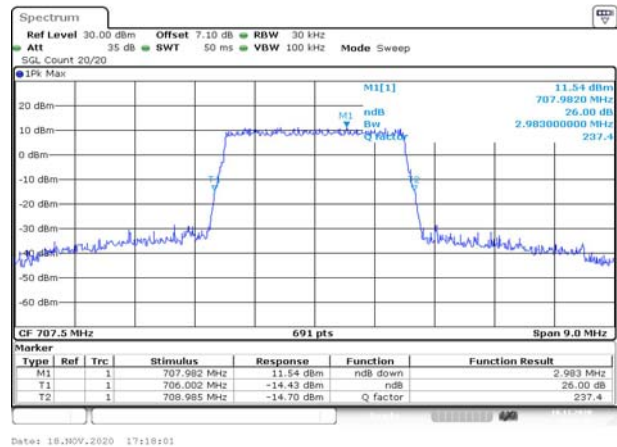


Fig.10

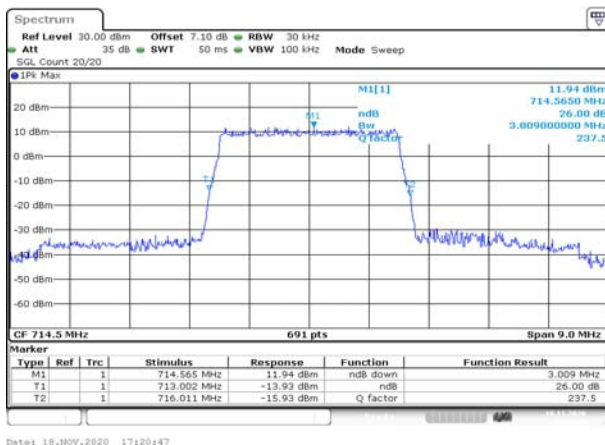


Fig.11

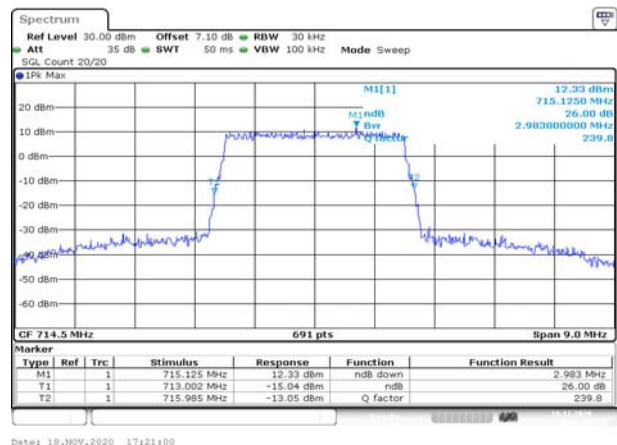


Fig.12

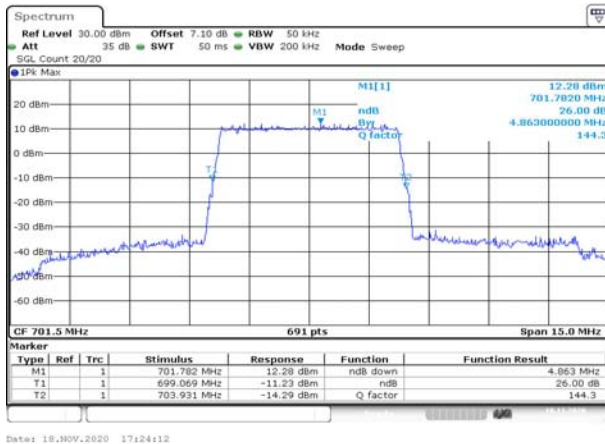


Fig.13

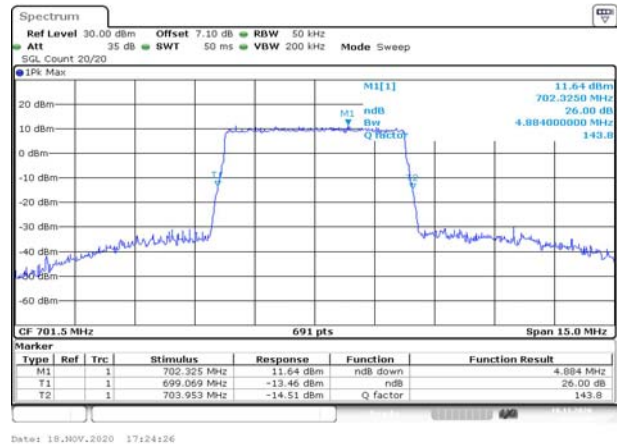


Fig.14

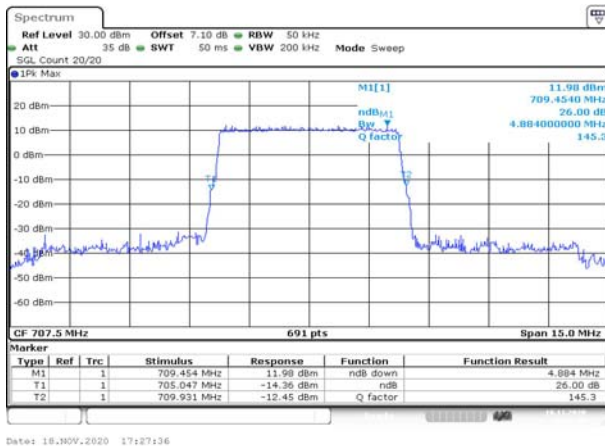


Fig.15

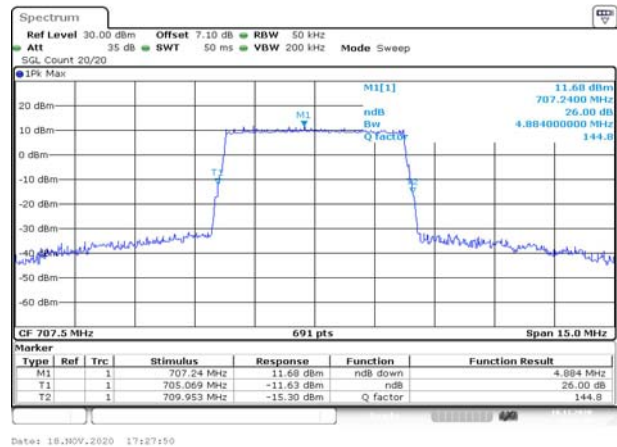


Fig.16

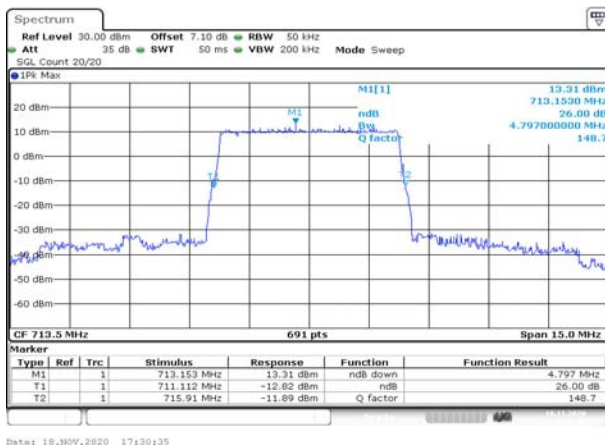


Fig.17

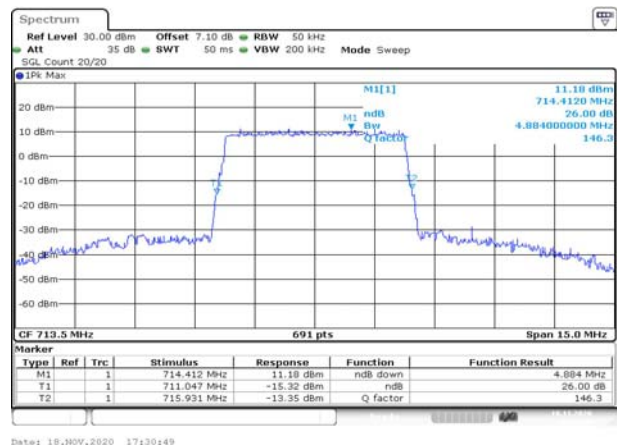


Fig.18

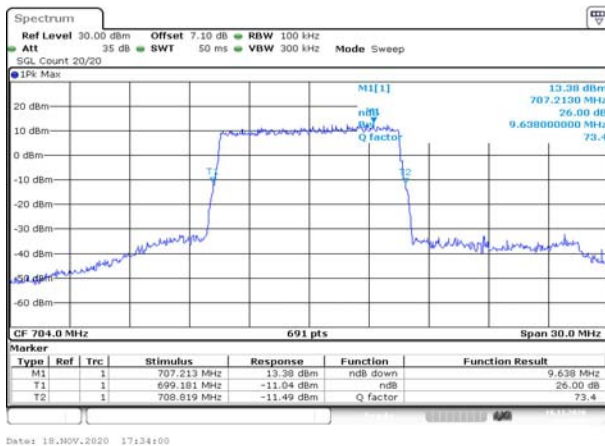


Fig.19

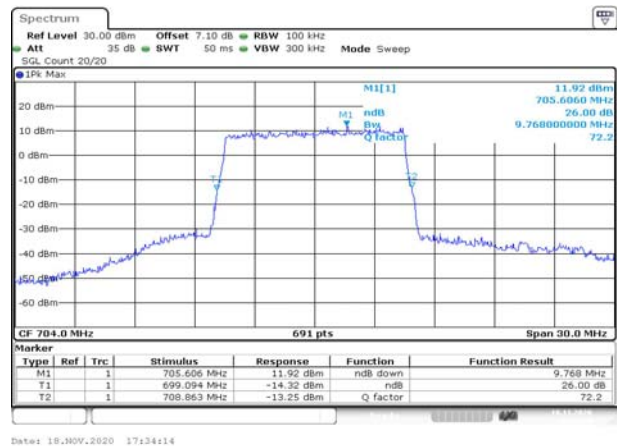


Fig.20

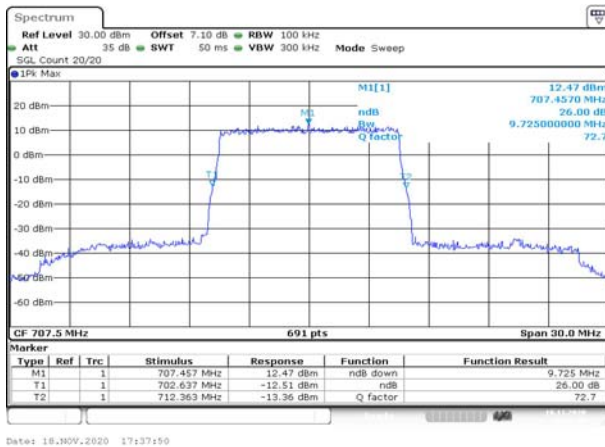


Fig.21

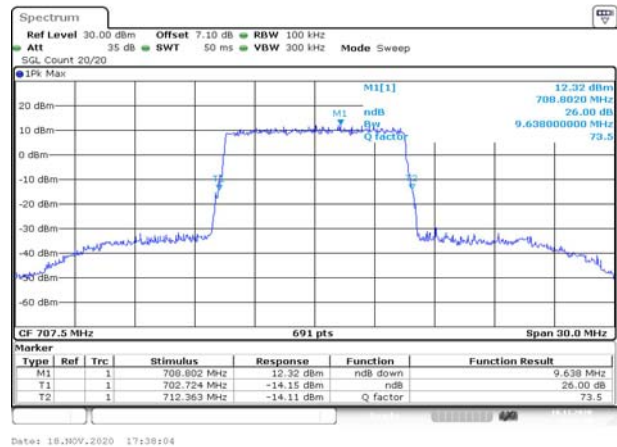


Fig.22

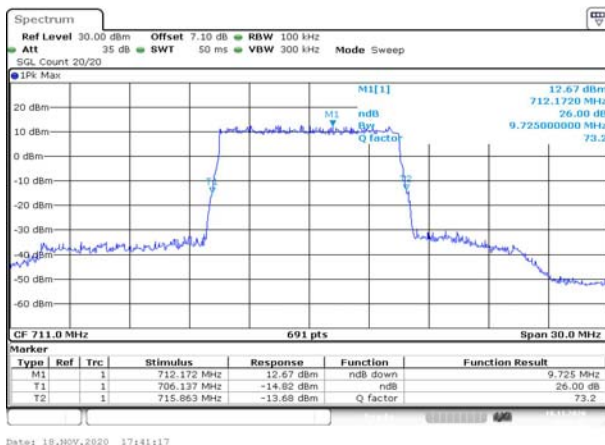


Fig.23

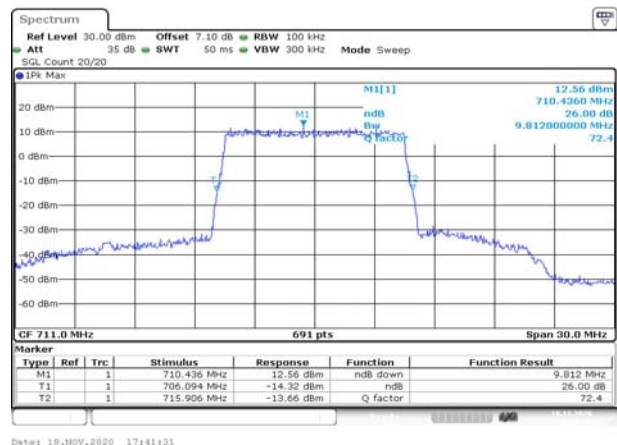


Fig.24

Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
12	699.7	23017	1.4	1	5	Fig.1	Fig.2	---
	699.7	23017		6	0	Fig.3	Fig.4	---
	707.5	23095		1	5	Fig.5	Fig.6	---
	707.5	23095		6	0	Fig.7	Fig.8	---
	715.3	23173		1	5	Fig.9	Fig.10	---
	715.3	23173		6	0	Fig.11	Fig.12	---
	700.5	23025	3	1	14	Fig.13	Fig.14	---
	700.5	23025		15	0	Fig.15	Fig.16	---
	707.5	23095		1	14	Fig.17	Fig.18	---
	707.5	23095		15	0	Fig.19	Fig.20	---
	714.5	23165		1	14	Fig.21	Fig.22	---
	714.5	23165		15	0	Fig.23	Fig.24	---
	701.5	23035	5	1	24	Fig.25	Fig.26	---
	701.5	23035		25	0	Fig.27	Fig.28	---
	707.5	23095		1	24	Fig.29	Fig.30	---
	707.5	23095		25	0	Fig.31	Fig.32	---
	713.5	23155		1	24	Fig.33	Fig.34	---
	713.5	23155		25	0	Fig.35	Fig.36	---
	704	23060	10	1	49	Fig.37	Fig.38	---
	704	23060		50	0	Fig.39	Fig.40	---
	707.5	23095		1	49	Fig.41	Fig.42	---
	707.5	23095		50	0	Fig.43	Fig.44	---
	711	23130		1	49	Fig.45	Fig.46	---
	711	23130		50	0	Fig.47	Fig.48	---

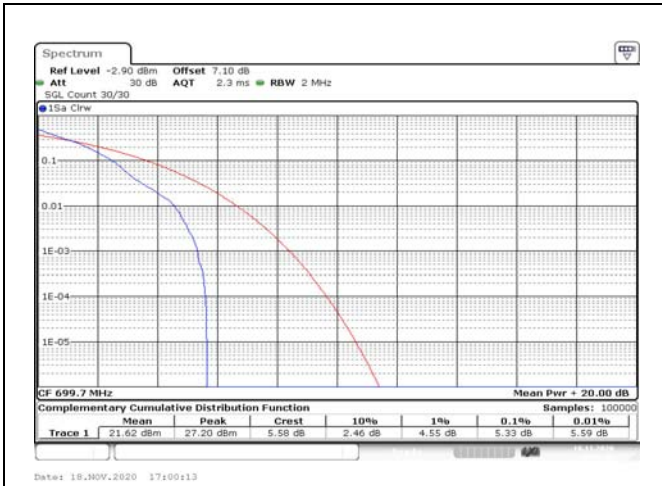


Fig.1

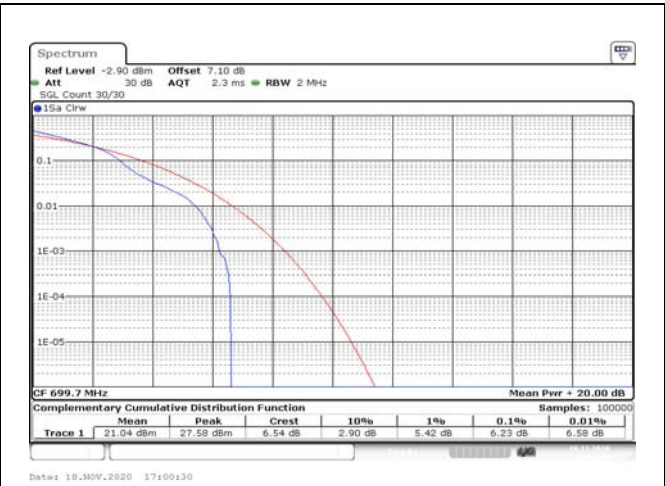


Fig.2



Fig.3

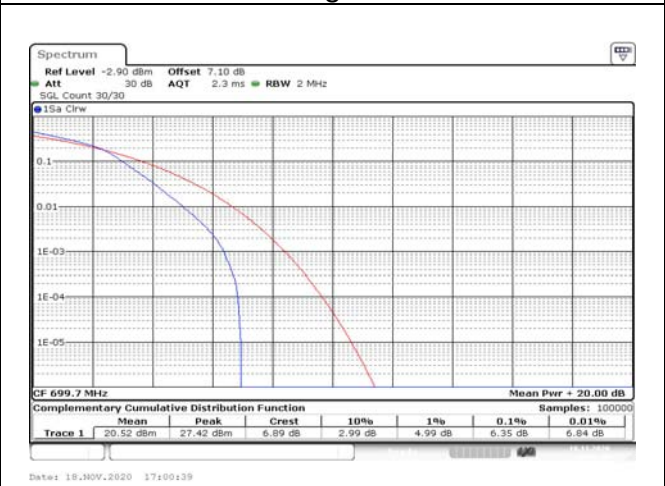


Fig.4

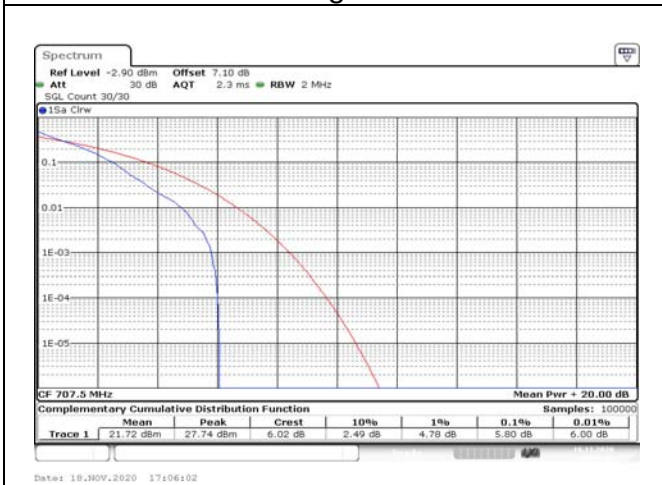


Fig.5

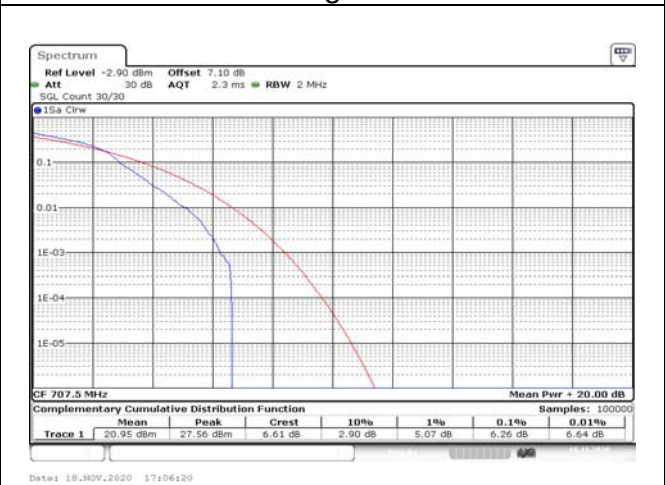


Fig.6

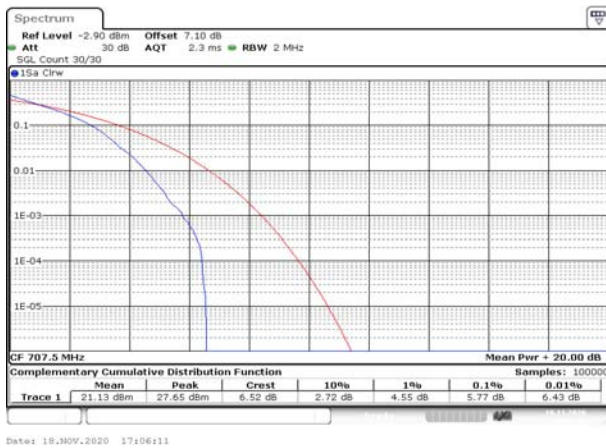


Fig.7

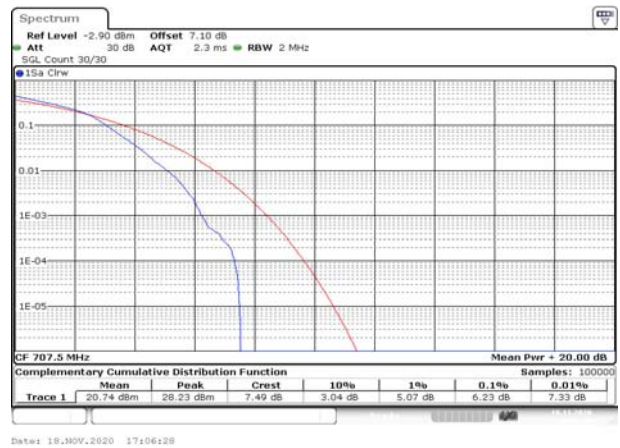


Fig.8

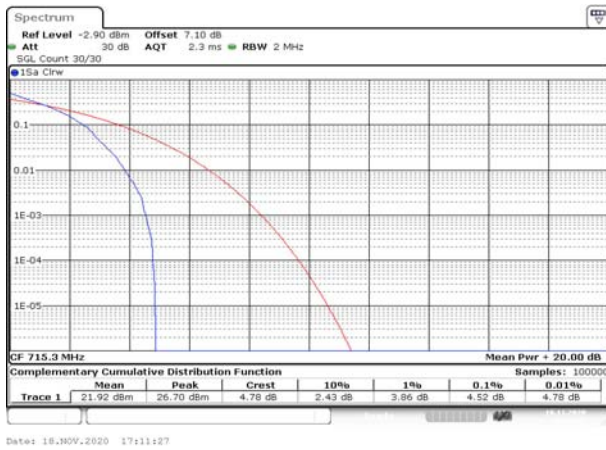


Fig.9

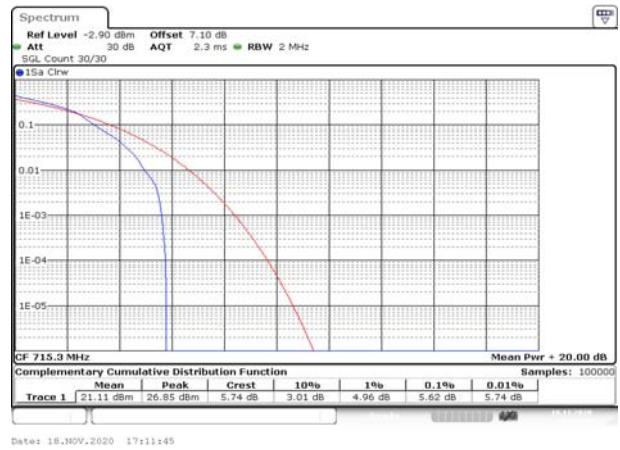


Fig.10

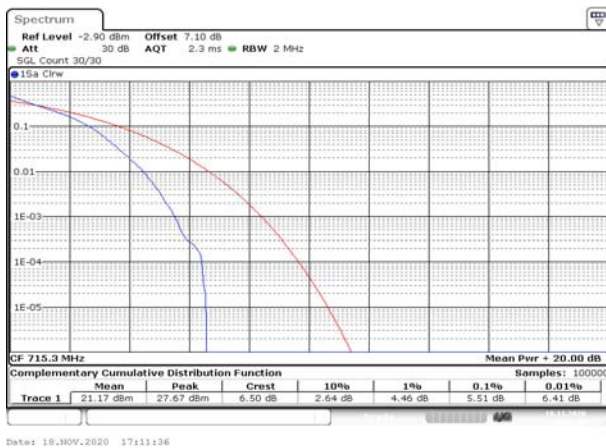


Fig.11

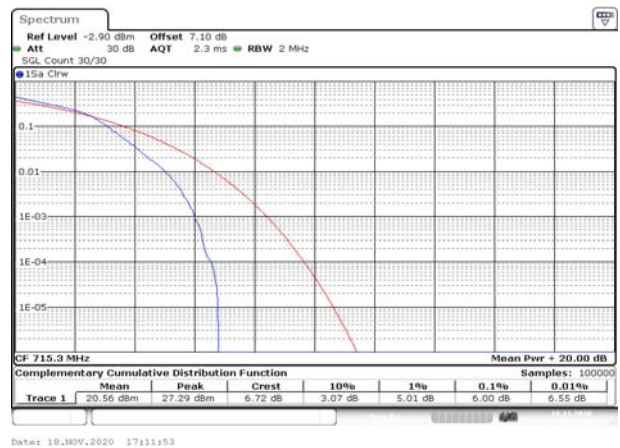


Fig.12

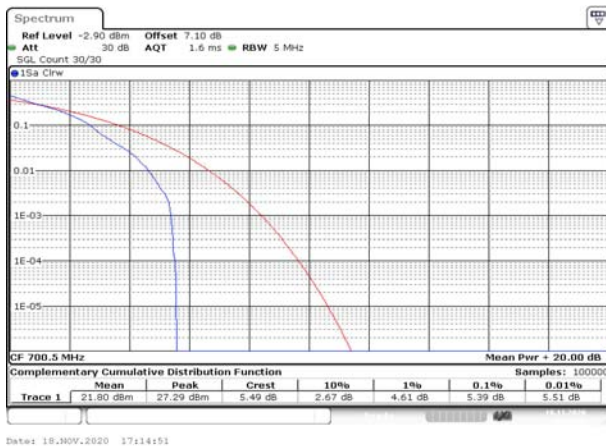


Fig.13

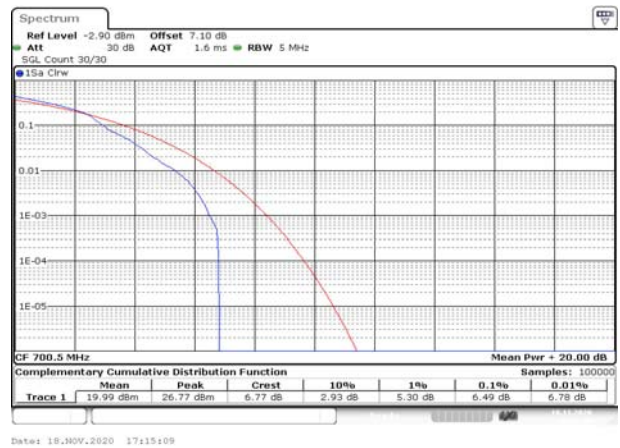


Fig.14

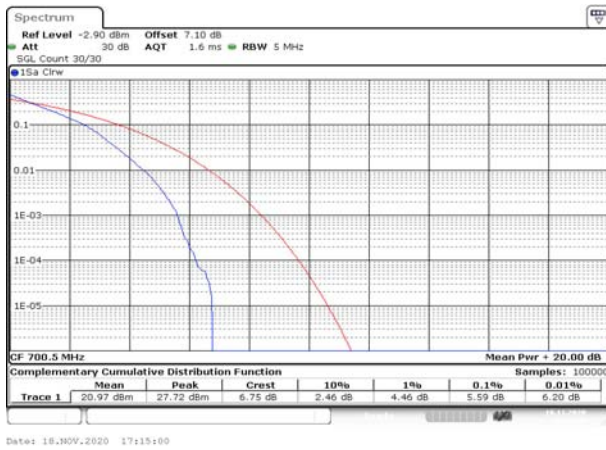


Fig.15

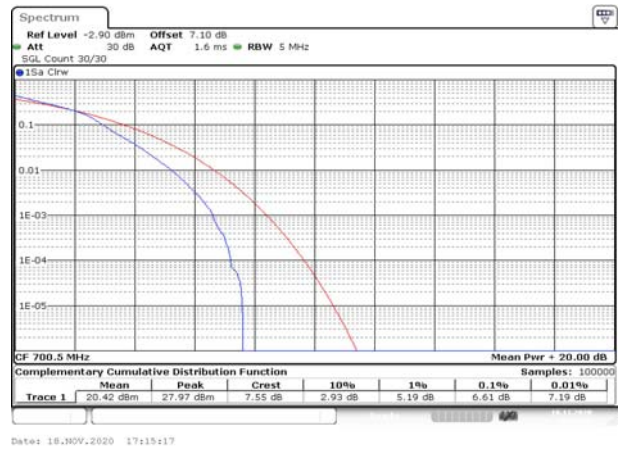


Fig.16

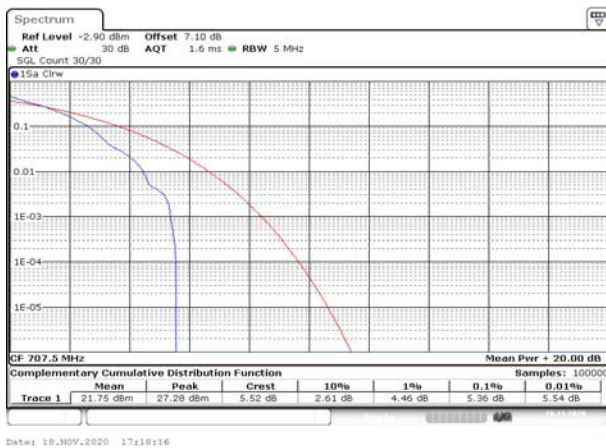


Fig.17

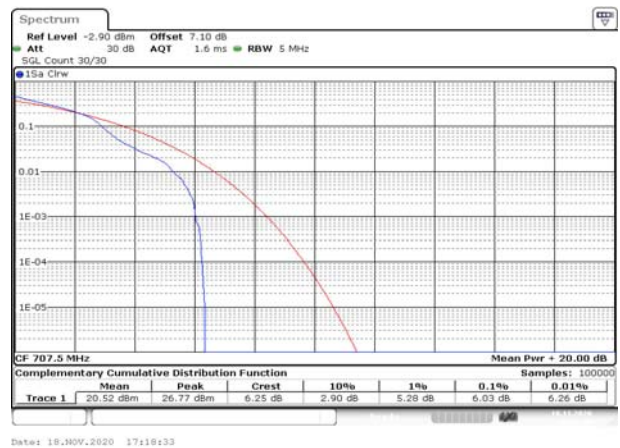


Fig.18

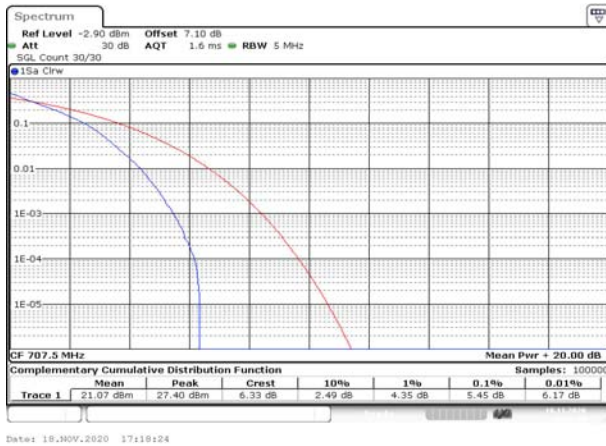


Fig.19

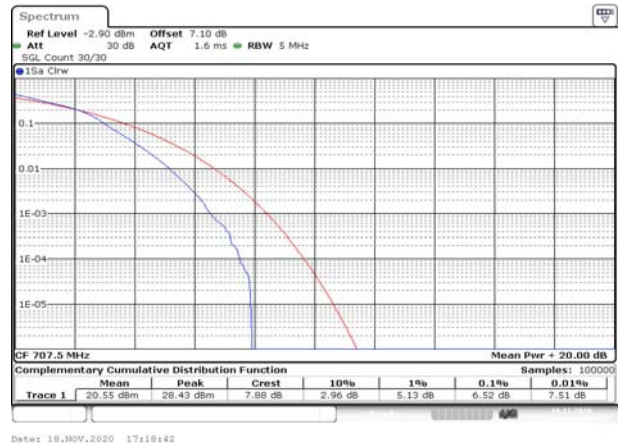


Fig.20

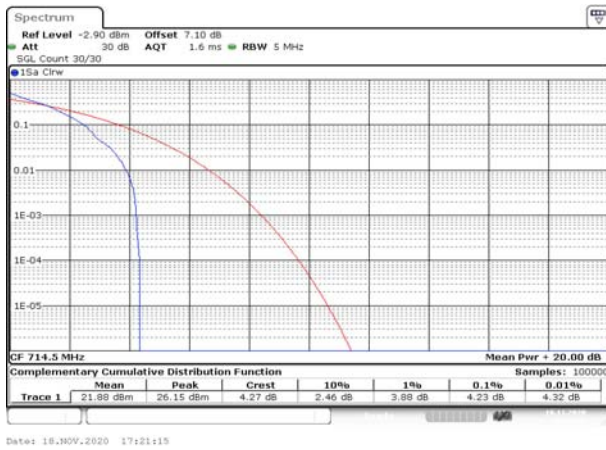


Fig.21

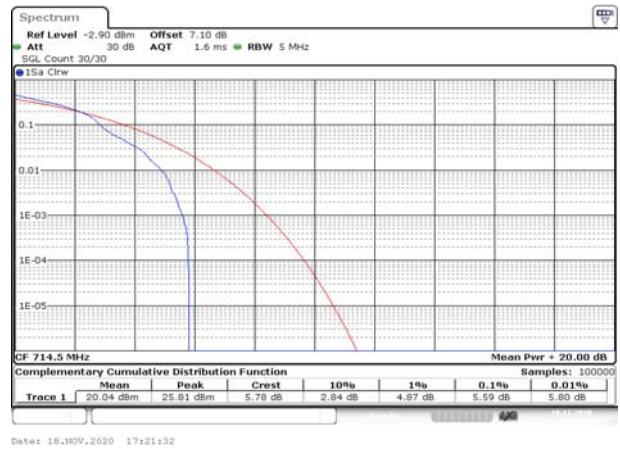


Fig.22

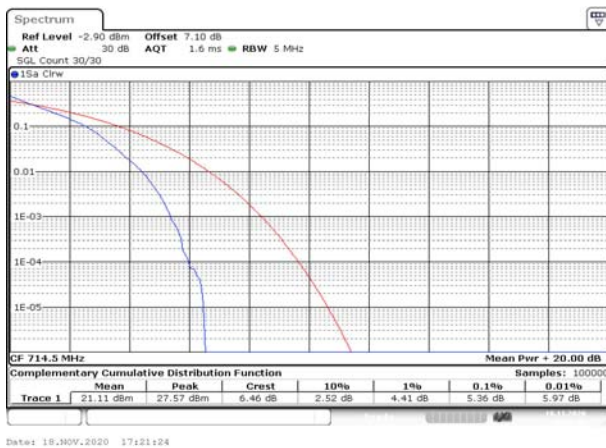


Fig.23

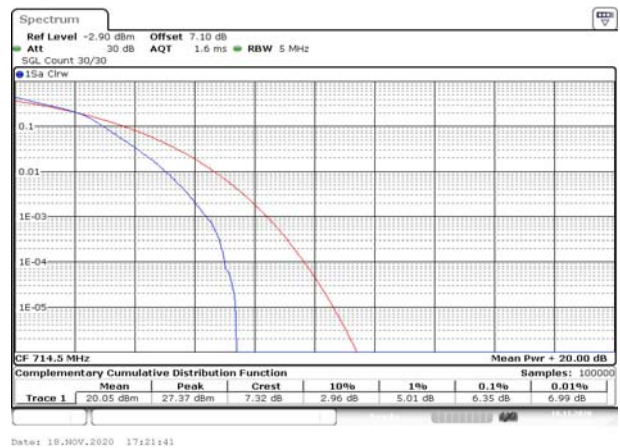


Fig.24

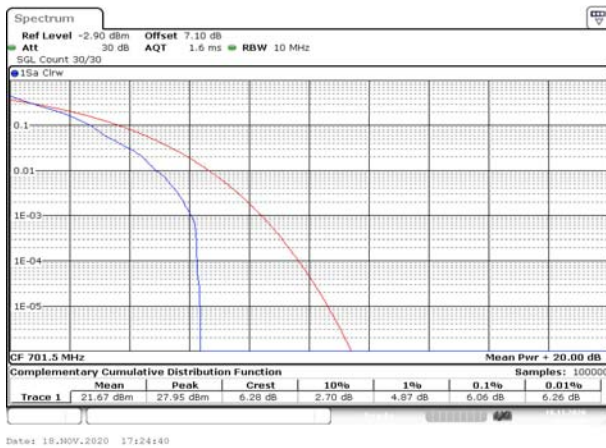


Fig.25

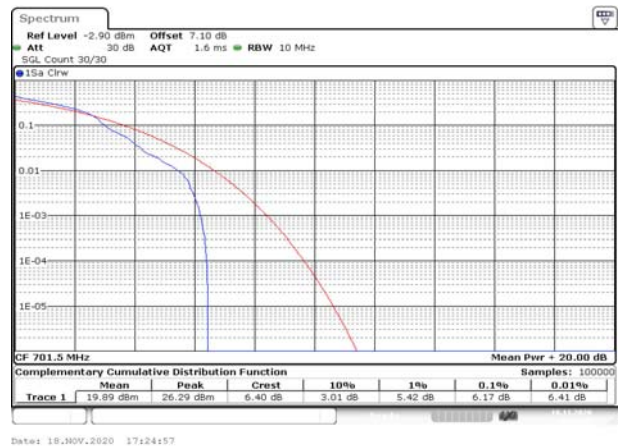


Fig.26

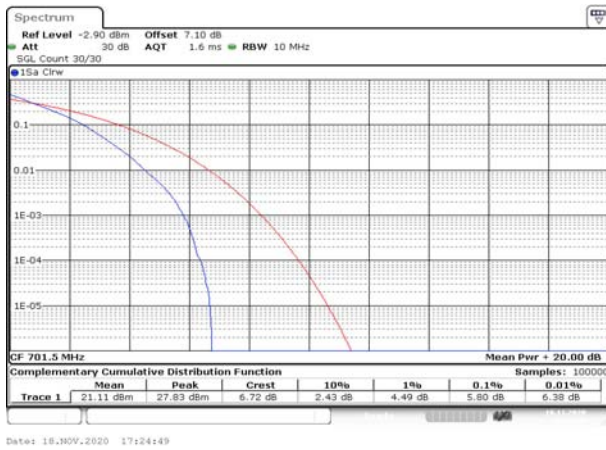


Fig.27

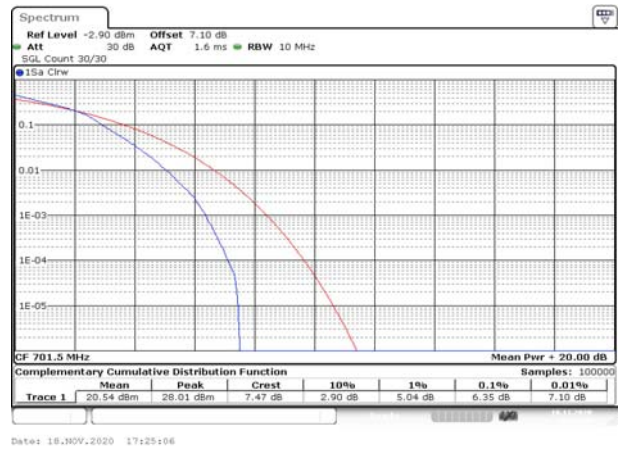


Fig.28

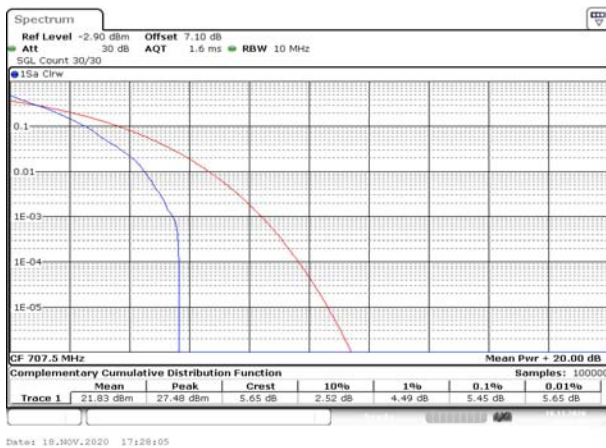


Fig.29

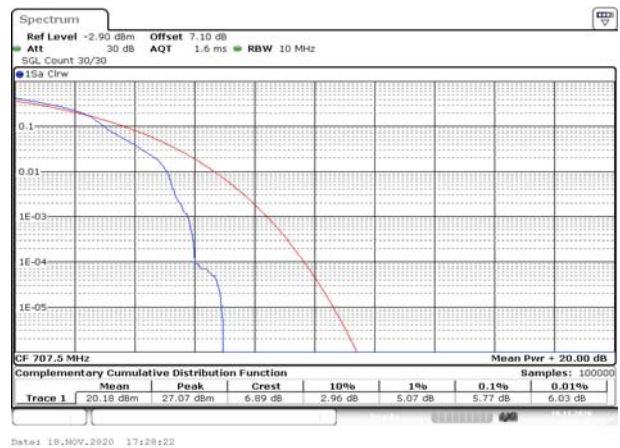


Fig.30

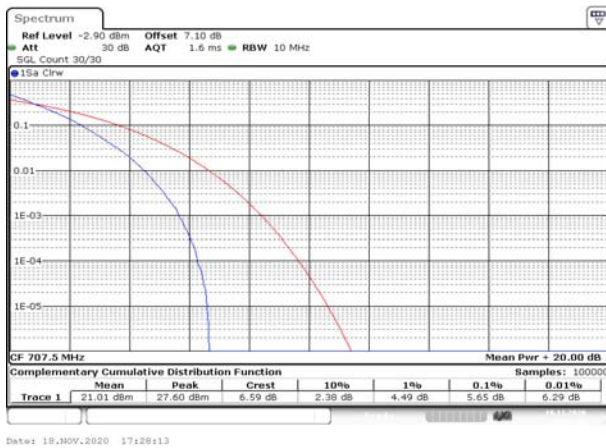


Fig.31

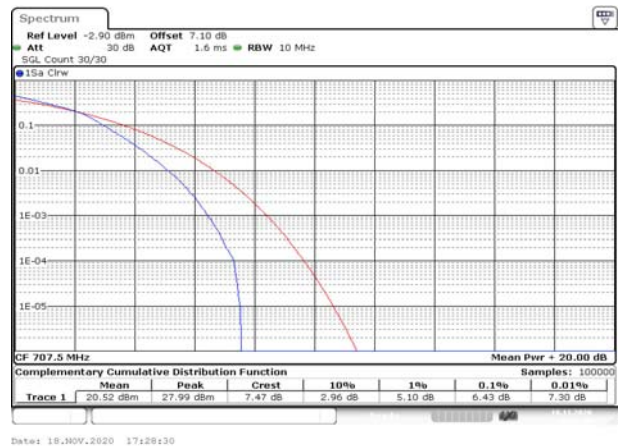


Fig.32

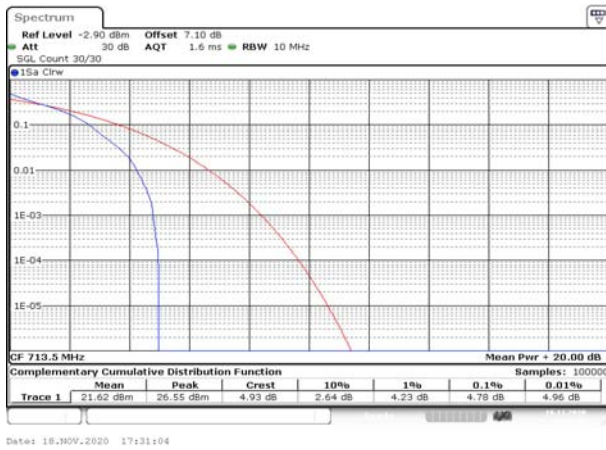


Fig.33

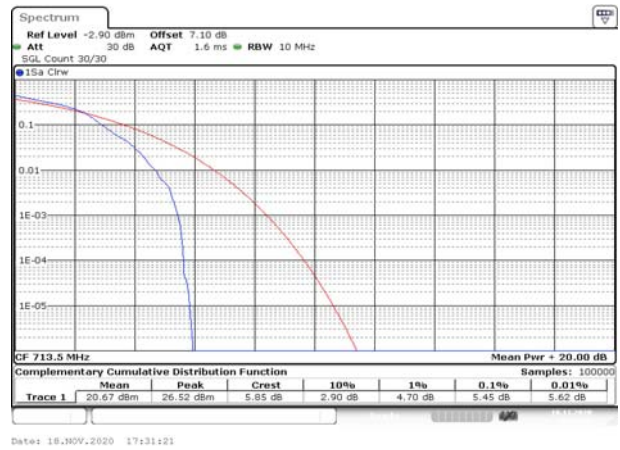


Fig.34

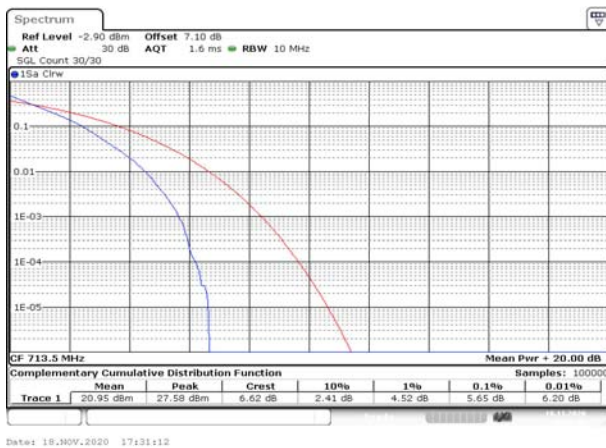


Fig.35

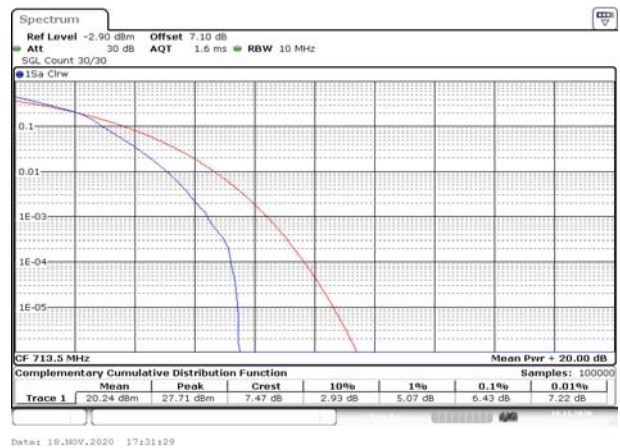


Fig.36

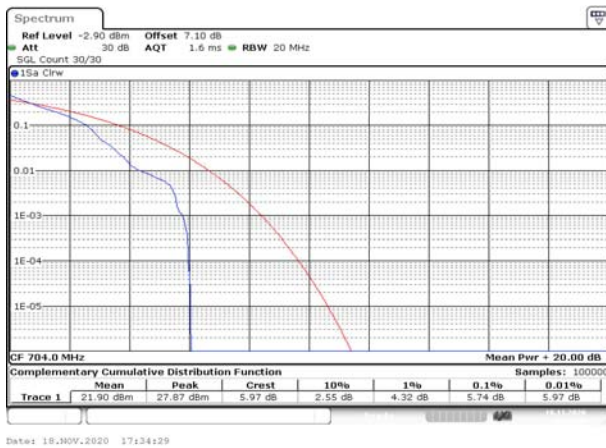


Fig.37

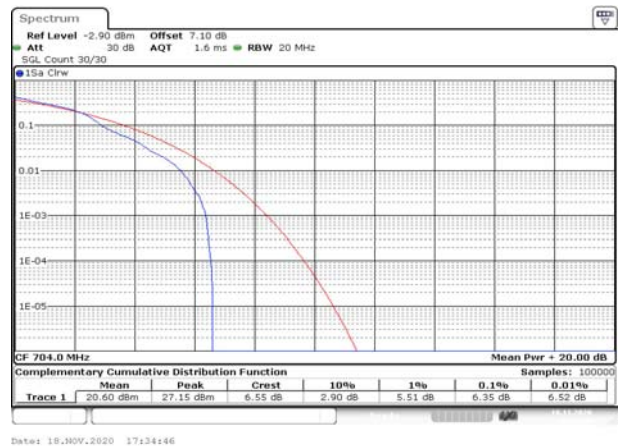


Fig.38

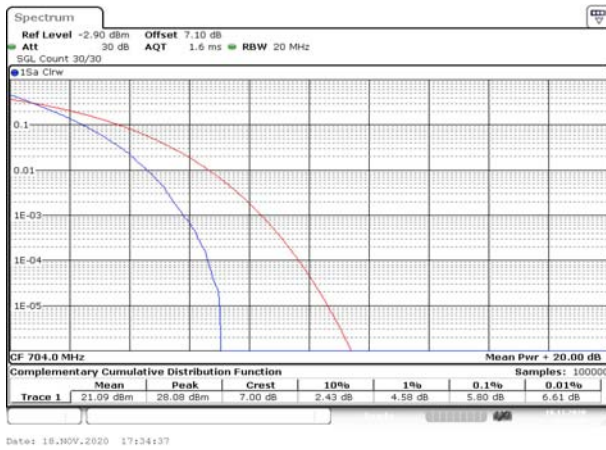


Fig.39

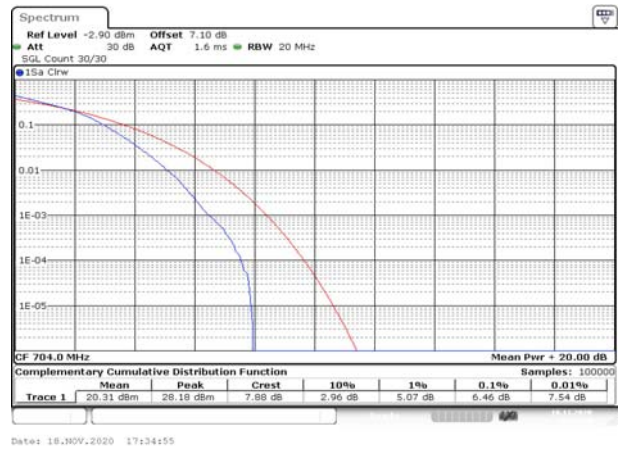


Fig.40

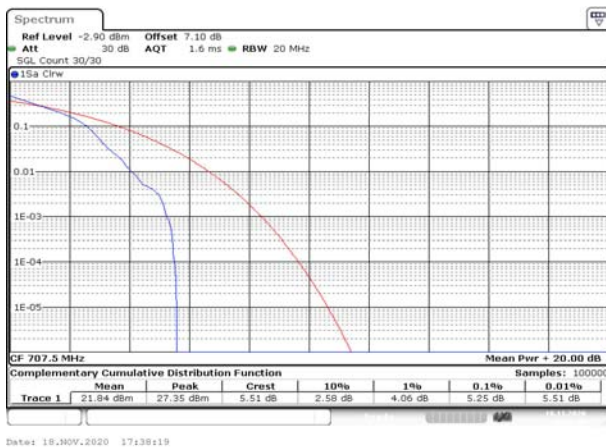


Fig.41

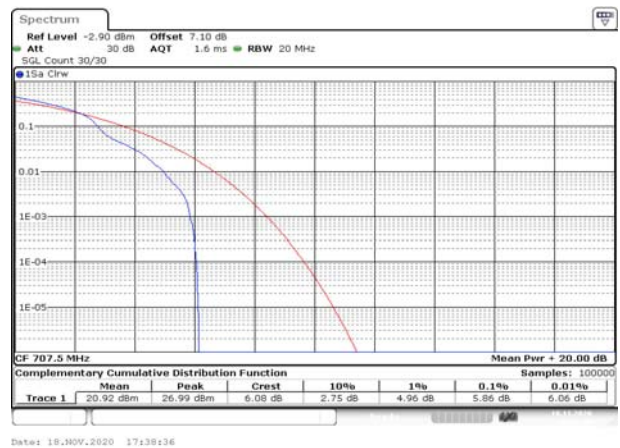


Fig.42

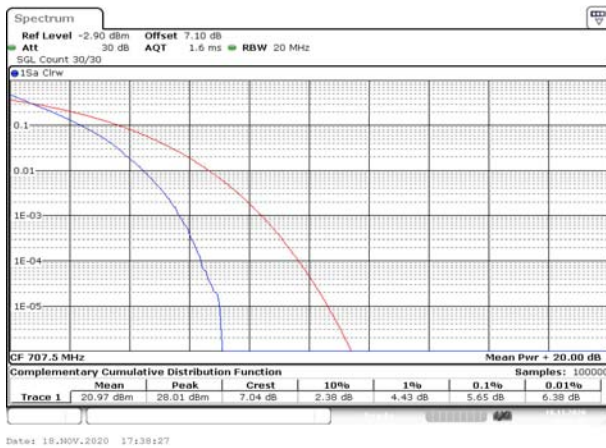


Fig.43

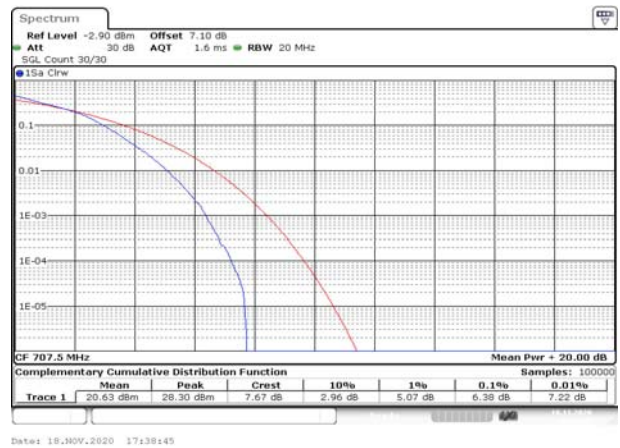


Fig.44

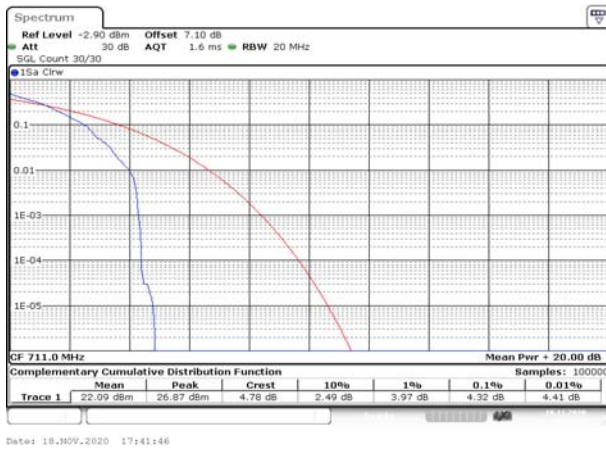


Fig.45

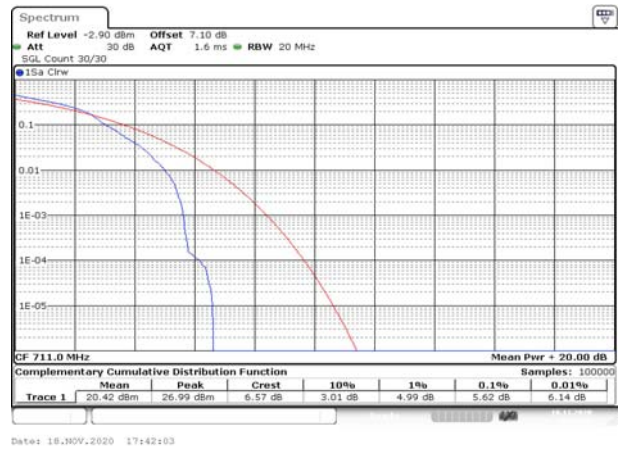


Fig.46

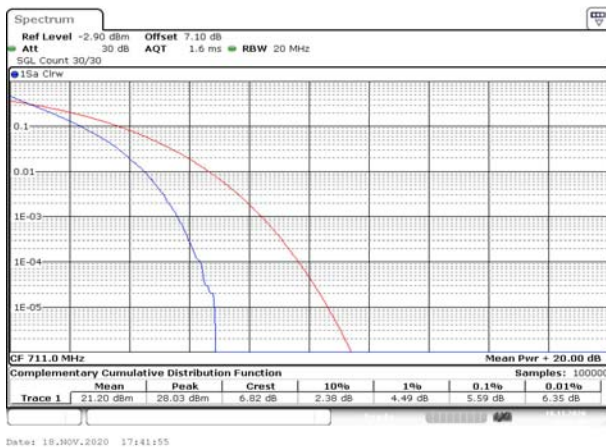


Fig.47

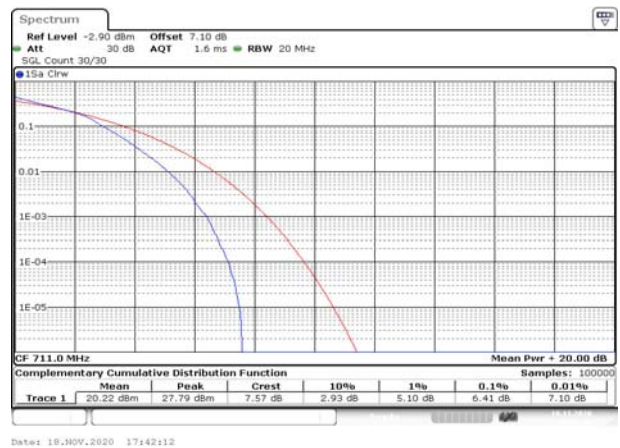


Fig.48

Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	99	Fig.1
	707.5	23095		1	99	Fig.2
	711	23130		1	99	Fig.3

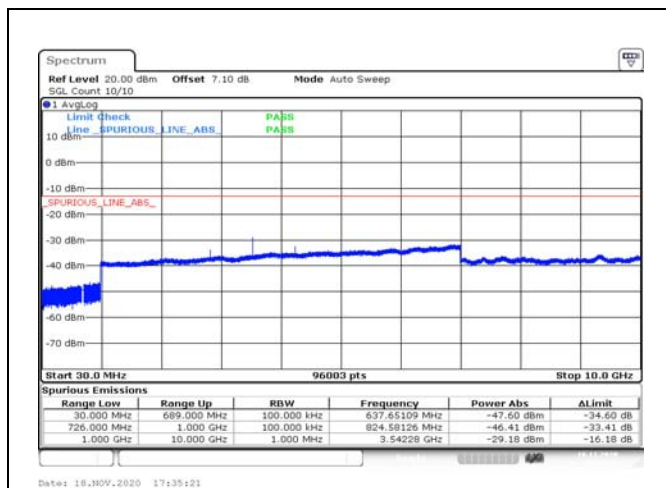


Fig.1

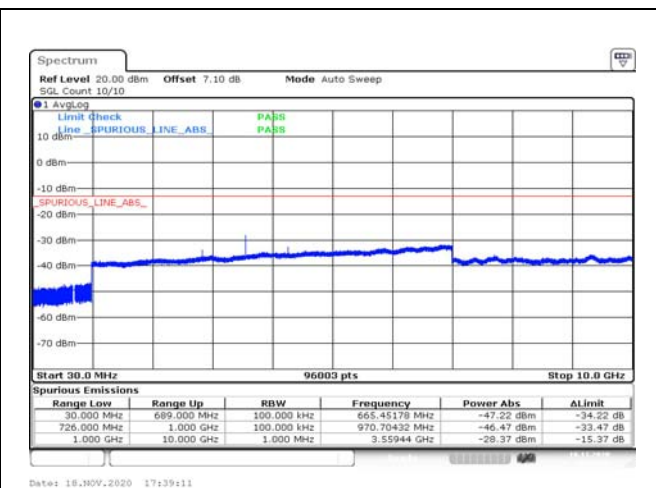


Fig.2

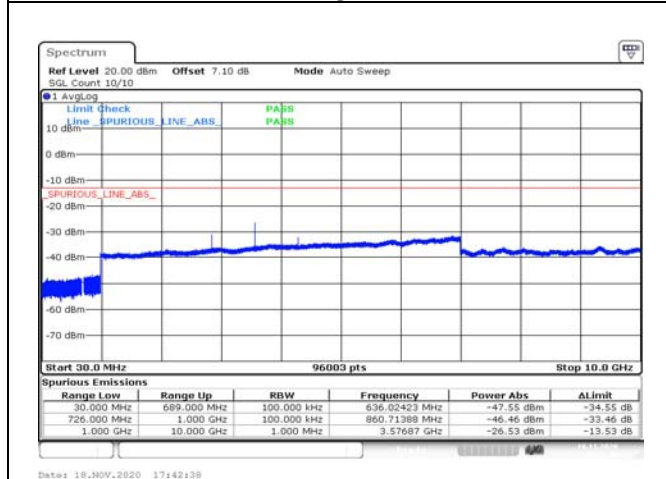
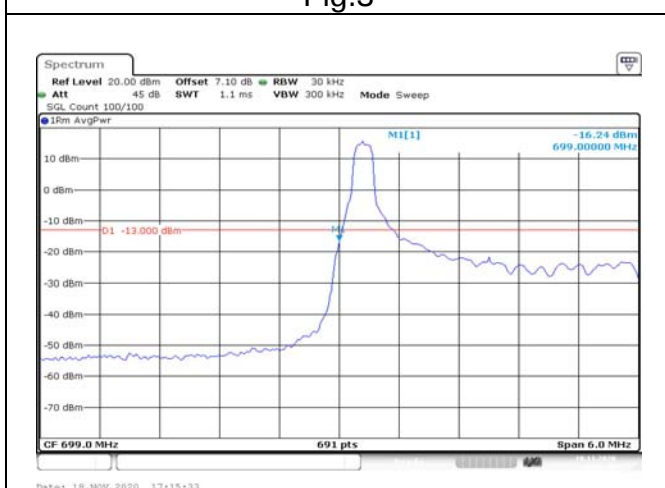
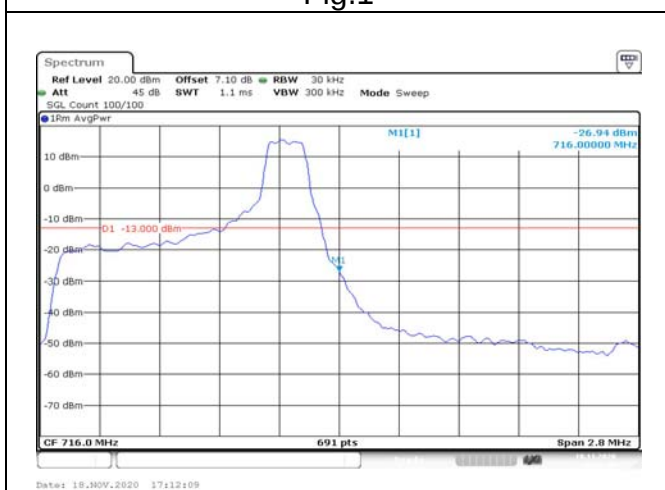
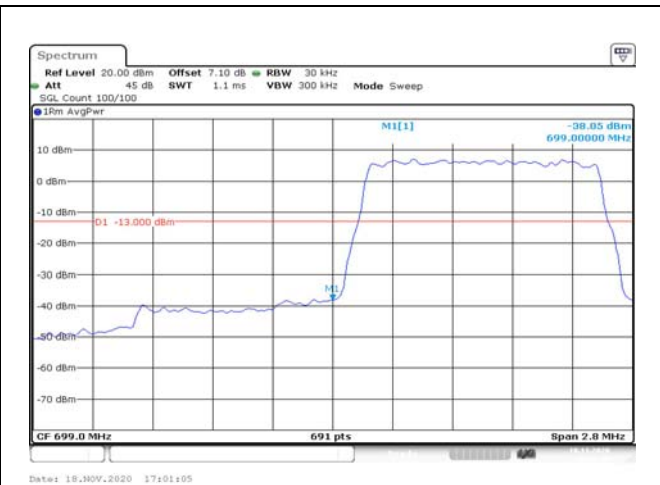
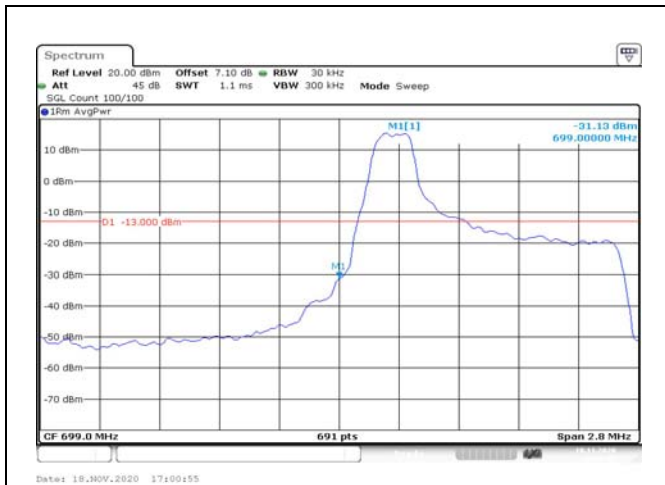


Fig.3

Band Edges Compliance

Band Edges Plot							
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
12	699.7	23017	1.4	1	0	Fig.1	
				6	0	Fig.2	
		715.3		23173	1	5	Fig.3
					6	0	Fig.4
	700.5	23025	3	1	0	Fig.5	
				15	0	Fig.6	
		714.5		23165	1	14	Fig.7
					15	0	Fig.8
	701.5	23035	5	1	0	Fig.9	
				25	0	Fig.10	
		713.5		23155	1	24	Fig.11
					25	0	Fig.12
	704	23060	10	1	0	Fig.13	
				50	0	Fig.14	
		711		23130	1	49	Fig.15
					50	0	Fig.16



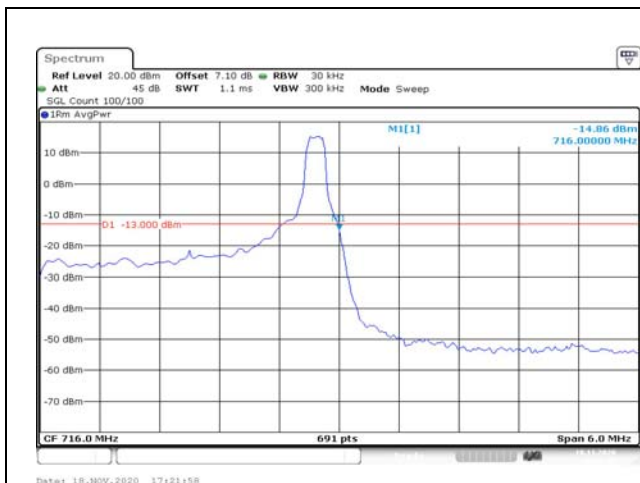


Fig.7

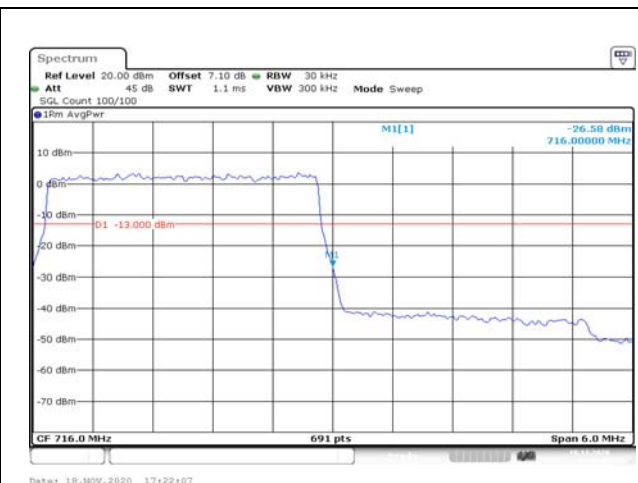


Fig.8

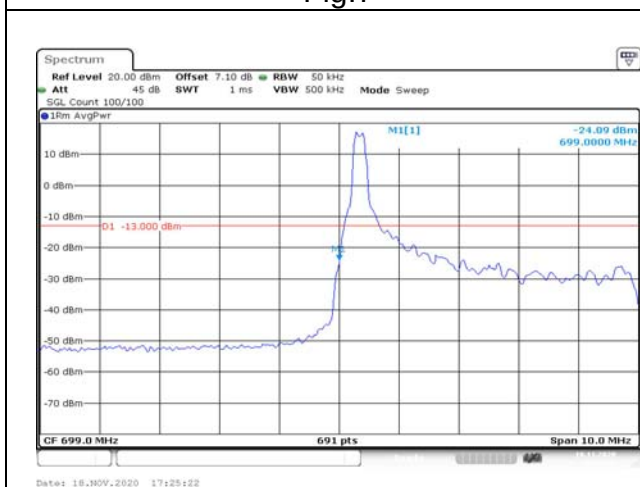


Fig.9

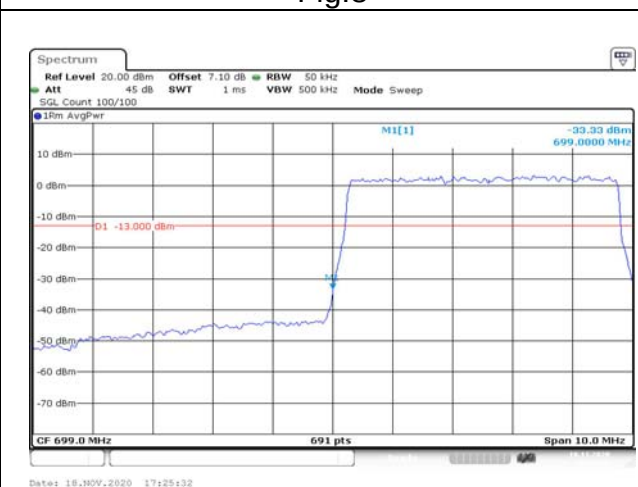


Fig.10

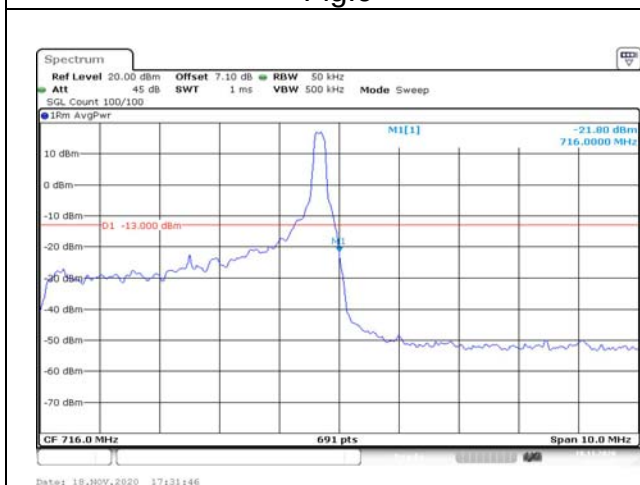


Fig.11

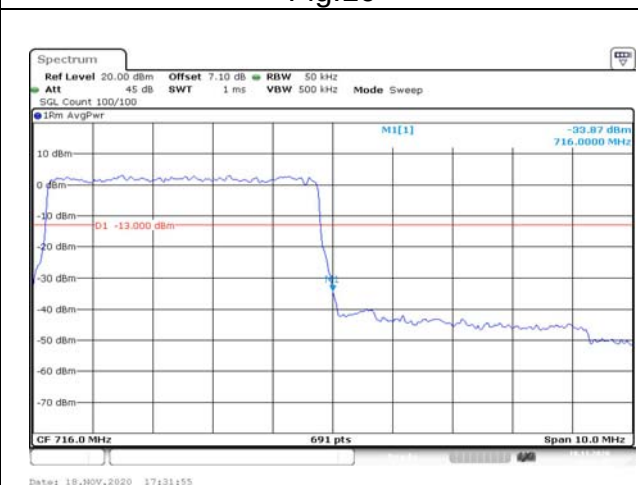


Fig.12

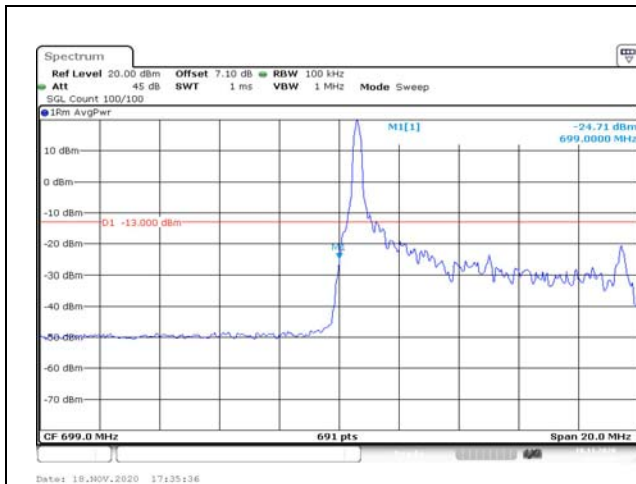


Fig.13

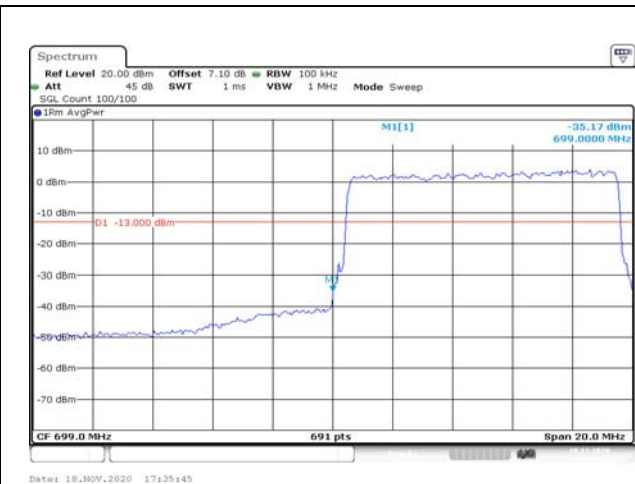


Fig.14

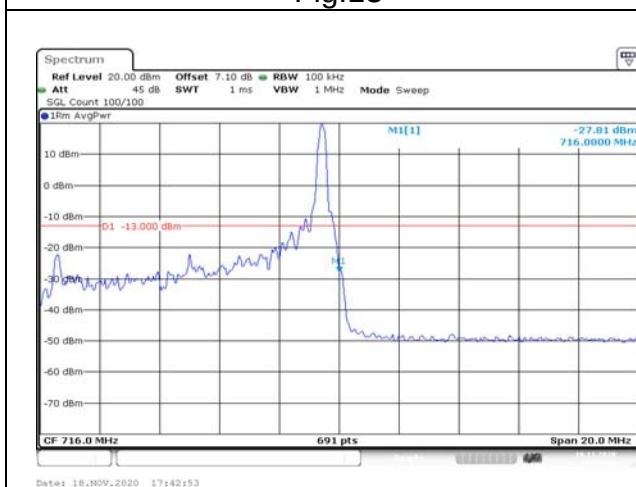


Fig.15

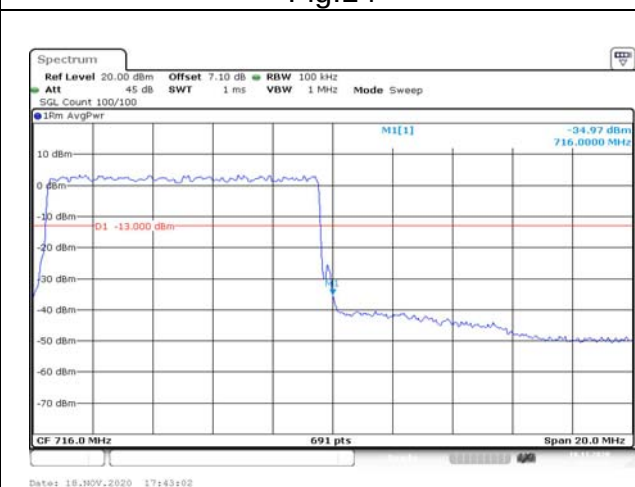


Fig.16

Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK			
		1.4M	3M	5M	10M
0	NV	-0.001	-0.031	-0.012	-0.012
+10	NV	0.000	-0.057	-0.015	-0.013
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.003	-0.038	-0.010	-0.017
+40	NV	0.005	-0.032	0.017	-0.018
+50	NV	-0.006	-0.062	-0.006	-0.009
+20	LV	0.002	-0.058	-0.005	-0.028
+20	HV	0.002	-0.058	-0.005	-0.028

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK			
		1.4M	3M	5M	10M
0	NV	-0.022	0.041	0.010	0.003
+10	NV	0.007	0.033	0.013	0.011
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.016	0.048	0.001	0.008
+40	NV	-0.014	0.045	0.001	-0.002
+50	NV	-0.010	0.039	0.012	0.020
+20	LV	-0.041	0.043	-0.009	0.007
+20	HV	-0.041	0.043	-0.009	0.007

Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency	UL Channel	BW	RB Size	RB Offset	Conducted power	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	699.7	23017	1.4	1	0	22.52	19.12	0.082	
				1	3	22.51	19.11	0.081	
				1	5	22.46	19.06	0.081	
				3	0	22.42	19.02	0.080	
				3	1	22.48	19.08	0.081	
				3	3	22.44	19.04	0.080	
	6	0		21.51	18.11	0.065			
	707.5	23095		1	0	22.10	18.70	0.074	
				1	3	22.06	18.66	0.073	
				1	5	22.05	18.65	0.073	
				3	0	21.33	17.93	0.062	
				3	1	21.32	17.92	0.062	
				3	3	21.31	17.91	0.062	
	6	0		20.95	17.55	0.057			
	715.3	23173		1	0	22.26	18.86	0.077	
				1	3	22.29	18.89	0.077	
				1	5	22.23	18.83	0.076	
				3	0	22.20	18.80	0.076	
				3	1	22.23	18.83	0.076	
				3	3	22.18	18.78	0.076	
	6	0		21.29	17.89	0.062			
	16QAM	699.7		23017	1	0	21.82	18.42	0.070
					1	3	21.96	18.56	0.072
					1	5	21.87	18.47	0.070
3					0	21.46	18.06	0.064	
3					1	21.34	17.94	0.062	
3					3	21.50	18.10	0.065	
6		0		21.08	17.68	0.059			
707.5		23095		1	0	21.79	18.39	0.069	
				1	3	21.83	18.43	0.070	
				1	5	21.65	18.25	0.067	
				3	0	21.28	17.88	0.061	
				3	1	21.27	17.87	0.061	
				3	3	21.42	18.02	0.063	
6		0		20.92	17.52	0.056			
715.3		23173		1	0	21.59	18.19	0.066	
				1	3	21.74	18.34	0.068	
				1	5	21.63	18.23	0.067	
				3	0	21.24	17.84	0.061	
				3	1	21.11	17.71	0.059	
				3	3	21.28	17.88	0.061	
6		0		20.86	17.46	0.056			

Modulation	Carrier frequency	UL Channel	BW	RB Size	RB Offset	Conducted power	ERP/EIRP (dBm)	ERP/EIRP (W)	
QPSK	700.5	23025	3	1	0	22.43	19.03	0.080	
				1	8	22.46	19.06	0.081	
				1	14	22.45	19.05	0.080	
				8	0	21.44	18.04	0.064	
				8	4	21.41	18.01	0.063	
				8	7	21.41	18.01	0.063	
				15	0	21.43	18.03	0.064	
	707.5	23095		1	0	22.34	18.94	0.078	
				1	8	22.40	19.00	0.079	
				1	14	22.39	18.99	0.079	
				8	0	21.30	17.90	0.062	
				8	4	21.29	17.89	0.062	
				8	7	21.30	17.90	0.062	
				15	0	21.31	17.91	0.062	
	714.5	23165		1	0	22.40	19.00	0.079	
				1	8	22.47	19.07	0.081	
				1	14	22.46	19.06	0.081	
				8	0	21.23	17.83	0.061	
				8	4	21.37	17.97	0.063	
				8	7	21.37	17.97	0.063	
				15	0	21.15	17.75	0.060	
	16QAM	700.5		23025	1	0	21.67	18.27	0.067
					1	8	21.61	18.21	0.066
					1	14	21.61	18.21	0.066
8					0	21.16	17.76	0.060	
8					4	21.00	17.60	0.058	
8					7	21.10	17.70	0.059	
15					0	21.01	17.61	0.058	
707.5		23095		1	0	21.62	18.22	0.066	
				1	8	21.54	18.14	0.065	
				1	14	21.54	18.14	0.065	
				8	0	20.44	17.04	0.051	
				8	4	20.82	17.42	0.055	
				8	7	20.82	17.42	0.055	
				15	0	20.77	17.37	0.055	
714.5		23165		1	0	21.01	17.61	0.058	
				1	8	21.14	17.74	0.059	
				1	14	21.04	17.64	0.058	
				8	0	20.55	17.15	0.052	
				8	4	20.96	17.56	0.057	
				8	7	20.96	17.56	0.057	
				15	0	20.46	17.06	0.051	

Modulation	Carrier frequency	UL Channel	BW	RB Size	RB Offset	Conducted power	ERP/EIRP (dBm)	ERP/EIRP (W)	
QPSK	701.5	23035	5	1	0	22.29	18.89	0.077	
				1	12	22.34	18.94	0.078	
				1	24	22.41	19.01	0.080	
				12	0	21.20	17.80	0.060	
				12	7	21.45	18.05	0.064	
				12	13	21.45	18.05	0.064	
				25	0	21.40	18.00	0.063	
	707.5	23095		1	0	22.51	19.11	0.081	
				1	12	22.51	19.11	0.081	
				1	24	22.39	18.99	0.079	
				12	0	21.38	17.98	0.063	
				12	7	21.34	17.94	0.062	
				12	13	21.34	17.94	0.062	
				25	0	21.38	17.98	0.063	
	713.5	23155		1	0	22.34	18.94	0.078	
				1	12	22.21	18.81	0.076	
				1	24	22.25	18.85	0.077	
				12	0	21.43	18.03	0.064	
				12	7	21.15	17.75	0.060	
				12	13	21.13	17.73	0.059	
				25	0	21.12	17.72	0.059	
	16QAM	701.5		23035	1	0	20.59	17.19	0.052
					1	12	20.71	17.31	0.054
					1	24	20.57	17.17	0.052
12					0	20.89	17.49	0.056	
12					7	20.87	17.47	0.056	
12					13	20.72	17.32	0.054	
25					0	20.89	17.49	0.056	
707.5		23095		1	0	21.34	17.94	0.062	
				1	12	21.40	18.00	0.063	
				1	24	21.40	18.00	0.063	
				12	0	20.32	16.92	0.049	
				12	7	20.93	17.53	0.057	
				12	13	20.87	17.47	0.056	
				25	0	20.96	17.56	0.057	
713.5		23155		1	0	21.07	17.67	0.058	
				1	12	20.97	17.57	0.057	
				1	24	20.97	17.57	0.057	
				12	0	20.64	17.24	0.053	
				12	7	20.18	16.78	0.048	
				12	13	20.18	16.78	0.048	
				25	0	20.25	16.85	0.048	

Modulation	Carrier frequency	UL Channel	BW	RB Size	RB Offset	Conducted power	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	22.32	18.92	0.078
				1	25	22.35	18.95	0.079
				1	49	22.34	18.94	0.078
				25	0	21.46	18.06	0.064
				25	12	21.29	17.89	0.062
				25	25	21.29	17.89	0.062
				50	0	21.41	18.01	0.063
	707.5	23095		1	0	22.41	19.01	0.080
				1	25	22.40	19.00	0.079
				1	49	22.39	18.99	0.079
				25	0	21.32	17.92	0.062
				25	12	21.46	18.06	0.064
				25	25	21.47	18.07	0.064
				50	0	21.34	17.94	0.062
	711	23130		1	0	22.48	19.08	0.081
				1	25	22.47	19.07	0.081
				1	49	22.46	19.06	0.081
				25	0	21.32	17.92	0.062
				25	12	21.18	17.78	0.060
				25	25	21.17	17.77	0.060
				50	0	21.38	17.98	0.063
16QAM	704	23060		1	0	21.49	18.09	0.064
				1	25	21.28	17.88	0.061
				1	49	21.28	17.88	0.061
				25	0	20.81	17.41	0.055
				25	12	20.33	16.93	0.049
				25	25	20.33	16.93	0.049
				50	0	20.51	17.11	0.051
	707.5	23095		1	0	22.01	18.61	0.073
				1	25	22.11	18.71	0.074
			1	49	22.11	18.71	0.074	
			25	0	20.20	16.80	0.048	
			25	12	20.49	17.09	0.051	
			25	25	20.50	17.10	0.051	
			50	0	20.88	17.48	0.056	
	711	23130	1	0	21.18	17.78	0.060	
			1	25	21.08	17.68	0.059	
			1	49	21.04	17.64	0.058	
			25	0	20.93	17.53	0.057	
			25	12	20.46	17.06	0.051	
			25	25	20.46	17.06	0.051	
			50	0	20.47	17.07	0.051	