



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: Astro Tab

Test Model: DCG-P10

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan



Appendix C.1: Duty Cycle

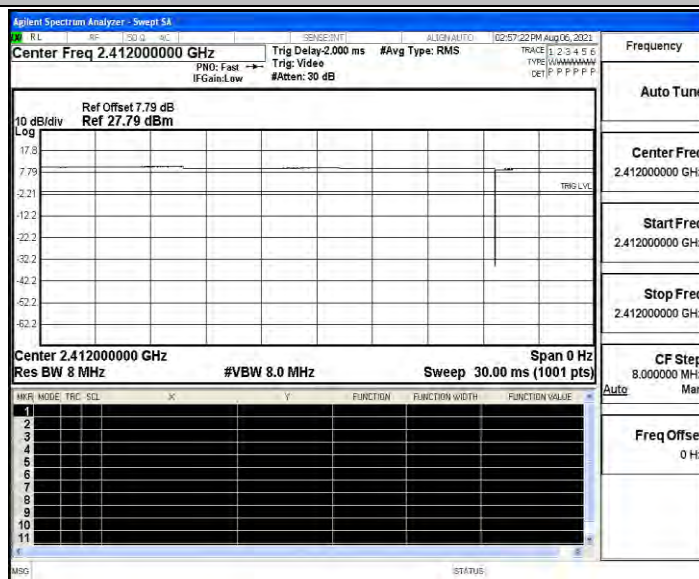
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	30.00	30.00	100.00	---	PASS
		2437	8.38	8.42	99.52	---	PASS
		2462	8.38	8.42	99.52	---	PASS
11G	Ant1	2412	1.39	1.44	96.53	---	PASS
		2437	1.39	1.44	96.53	---	PASS
		2462	1.39	1.44	96.53	---	PASS
11N20SISO	Ant1	2412	1.30	1.35	96.30	---	PASS
		2437	1.30	1.35	96.30	---	PASS
		2462	1.30	1.35	96.30	---	PASS
11N40SISO	Ant1	2422	0.64	0.69	92.75	---	PASS
		2437	0.64	0.69	92.75	---	PASS
		2452	0.64	0.69	92.75	---	PASS

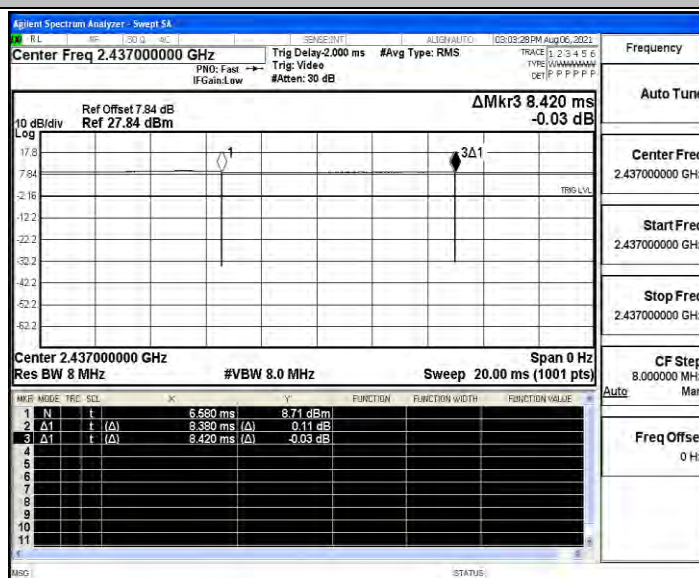


Test Graphs

11B_Ant1_2412

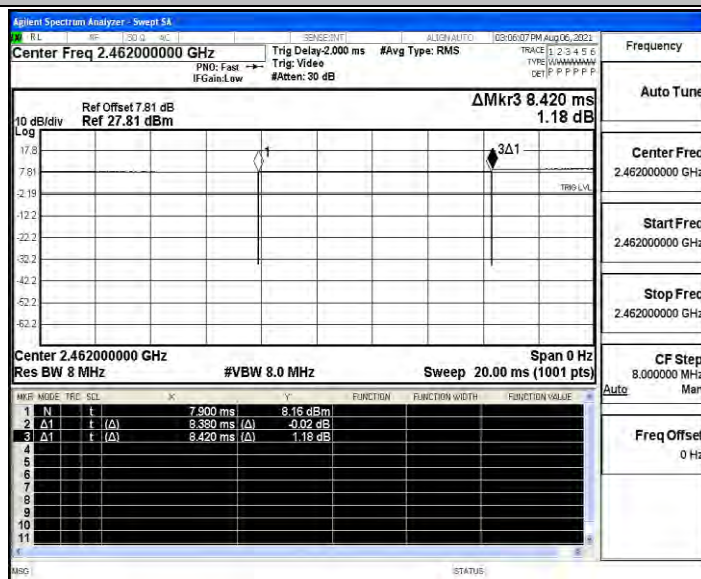


11B_Ant1_2437

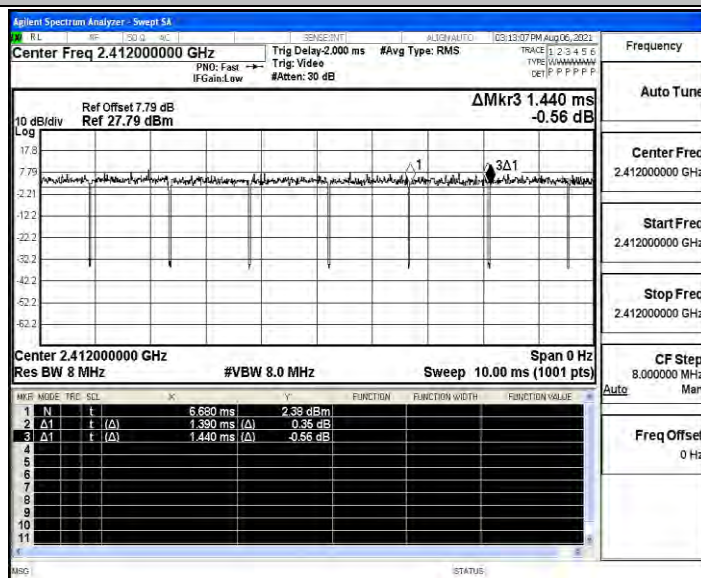




11B_Ant1_2462

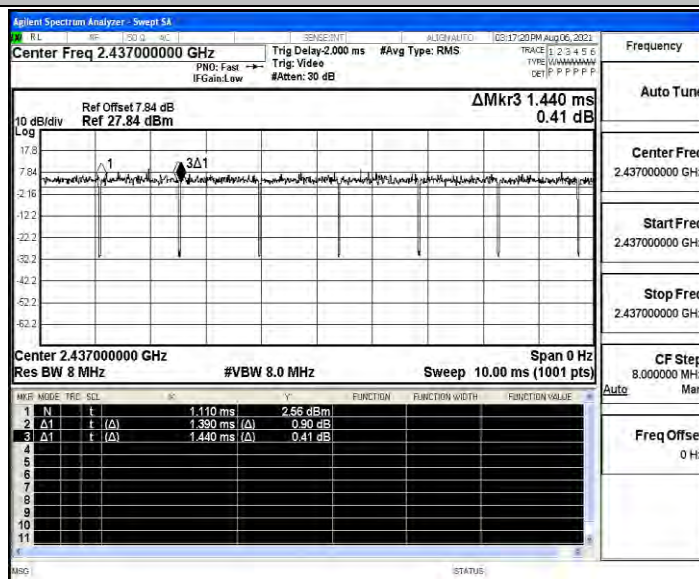


11G_Ant1_2412

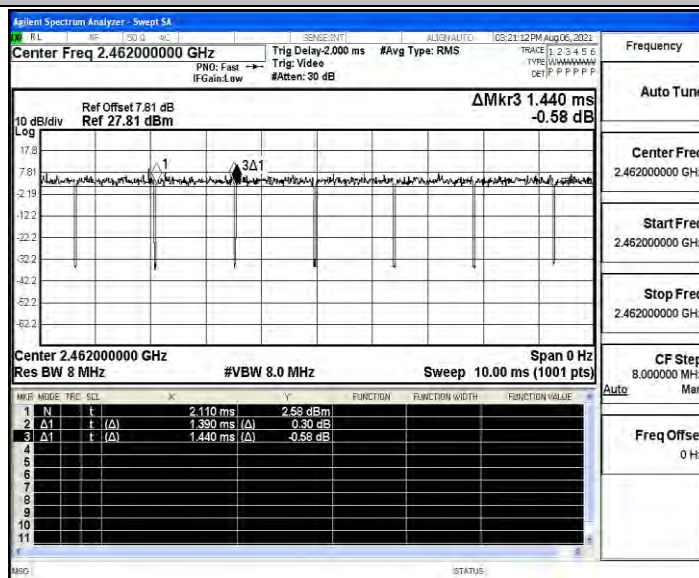




11G_Ant1_2437



11G_Ant1_2462



[illegible]

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.437000000 GHz Trig Delay 2.000 ms #Avg Type: RMS TRACE 1 2 3 4 5 6
 IF Gain: Low #Atten: 30 dB TYPE: WWWWWWWW DET: P P P P P P

Ref Offset: 7.84 dB ΔMkr3 1.350 ms Auto Tune
 Ref 27.84 dBm 7.73 dBm

Center 2.437000000 GHz Span 0 Hz
 Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (1001 pts)

MNR	MODE	TRF	SEL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N				7.810 ms	-5.16 dBm		
2	Δ1			(A)	1.350 ms (A)	-9.76 dB		
3	Δ1			(A)	1.350 ms (A)	-7.73 dB		
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Center Freq 2.437000000 GHz

Start Freq 2.437000000 GHz

Stop Freq 2.437000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

MSG STATUS



11N20SISO_Ant1_2462

Agilent Spectrum Analyzer - Swept SA

RL 100 dB 400 kHz (SENSE) (UNIT) (CAL) (DATE) (TIME) (USER)

Center Freq 2.462000000 GHz Trg Delay 2.000 ms #Avg Type: RMS TRACE 1 2 3 4 5 6
 PNO: Fast Trg: Video TYPE: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

Ref Offset 7.81 dB ΔMkr3 1.350 ms
 Ref 27.81 dBm -0.18 dB

10 dB/div Log

Center 2.462000000 GHz Span 0 Hz
 Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (1001 pts)

MARK	MODE	TYPE	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t	6.420 ms	2.18 dBm	
2	A1	t (Δ)	1.300 ms (Δ)	-0.76 dB	
3	A1	t (Δ)	1.350 ms (Δ)	-0.18 dB	
4					
5					
6					
7					
8					
9					
10					
11					

Auto Tune

Center Freq 2.462000000 GHz

Start Freq 2.462000000 GHz

Stop Freq 2.462000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

MINI (STATUS)

11N40SISO_Ant1_2422

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.422000000 GHz Trig Delay 2.000 ms #Avg Type: RMS Frequency

Ref Offset 7.81 dB ΔMkr3 690.0 μs Auto Tune

Ref 27.81 dBm 0.81 dB

10 dB/div Log

Center 2.422000000 GHz Span 0 Hz

Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (1001 pts)

CF Step 8.000000 MHz

Auto

Freq Offset 0 Hz

MARKER	MODE	FREQ	SCAL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N				7.680 ms	-5.38 dBm		
2	Δ1				640.0 μs (Δ)	5.46 dB		
3	Δ1				690.0 μs (Δ)	0.81 dB		
4								
5								
6								
7								
8								
9								
10								
11								

MISC STATUS

[illegible]

11N40SISO_Ant1_2452

Agilent Spectrum Analyzer - Swept SA

RL [30 dB] SENSE [NT] ALIGN [AUTO] DS: 47-35 PM Aug 06, 2021

Center Freq 2.452000000 GHz Trig Delay 2.000 ms #Avg Type: RMS TRACE [1 2 3 4 5 6]
PNO: Fast IF Gain Low Trig: Video TYPE [WWWWWWW]
#Atten: 30 dB SET [E P P P P F]

Ref Offset 7.81 dB ΔMkr3 690.0 μs
Ref 27.81 dBm -0.78 dB

10 dB/div Log

17.8
7.91
-2.19
-12.2
-22.2
-32.2
-42.2
-52.2
-62.2

Center 2.452000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (1001 pts)

MkR MODE TRG SEL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE

N	t	(Δ)	880.0 μs	-4.79 dBm		
2	Δ1	t (Δ)	640.0 μs (Δ)	4.93 dB		
3	Δ1	t (Δ)	690.0 μs (Δ)	-0.78 dB		
4						
5						
6						
7						
8						
9						
10						
11						

MAG STATUS

Frequency

Auto Tune

Center Freq
2.452000000 GHz

Start Freq
2.452000000 GHz

Stop Freq
2.452000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz



Appendix C.2: Maximum conducted output power

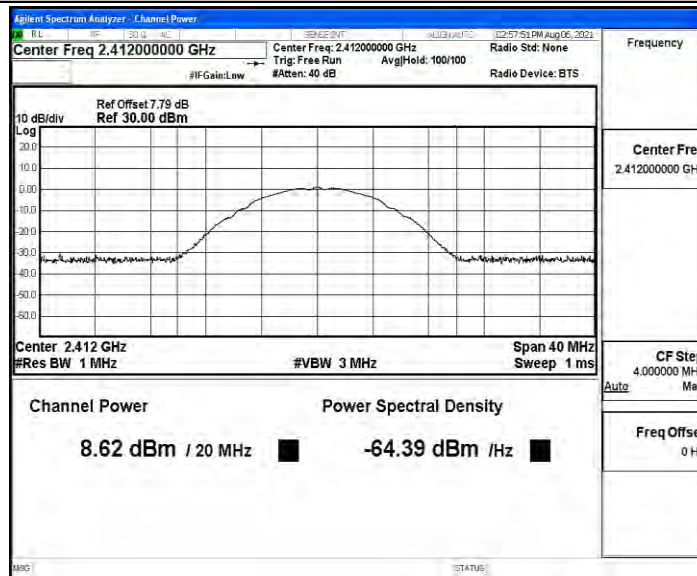
Test Result

TestMode	Antenna	Channel	Result[dBm]	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit[dBm]	Verdict
11B	Ant1	2412	8.62	0.00	8.62	≤30	PASS
		2437	7.74	0.00	7.74	≤30	PASS
		2462	7.70	0.00	7.70	≤30	PASS
11G	Ant1	2412	6.96	0.15	7.11	≤30	PASS
		2437	7.12	0.15	7.27	≤30	PASS
		2462	6.49	0.15	6.64	≤30	PASS
11N20SISO	Ant1	2412	6.16	0.16	6.32	≤30	PASS
		2437	6.23	0.16	6.39	≤30	PASS
		2462	6.20	0.16	6.36	≤30	PASS
11N40SISO	Ant1	2422	6.60	0.33	6.93	≤30	PASS
		2437	6.63	0.33	6.96	≤30	PASS
		2452	6.48	0.33	6.81	≤30	PASS

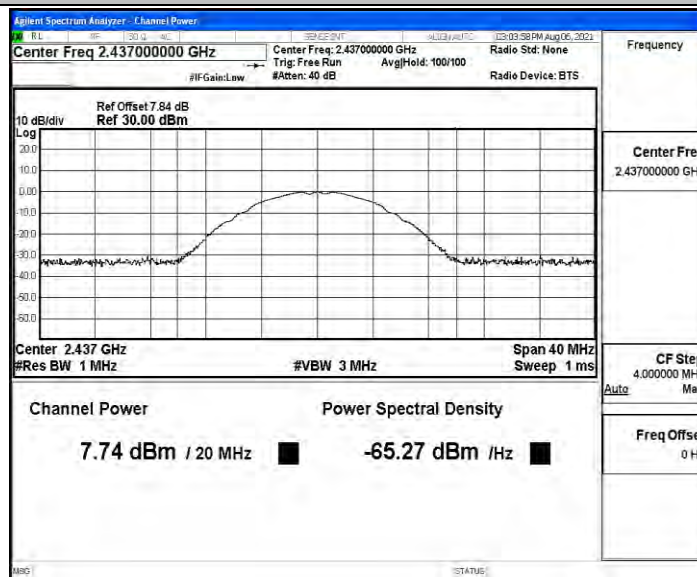


Test Graphs

11B_Ant1_2412

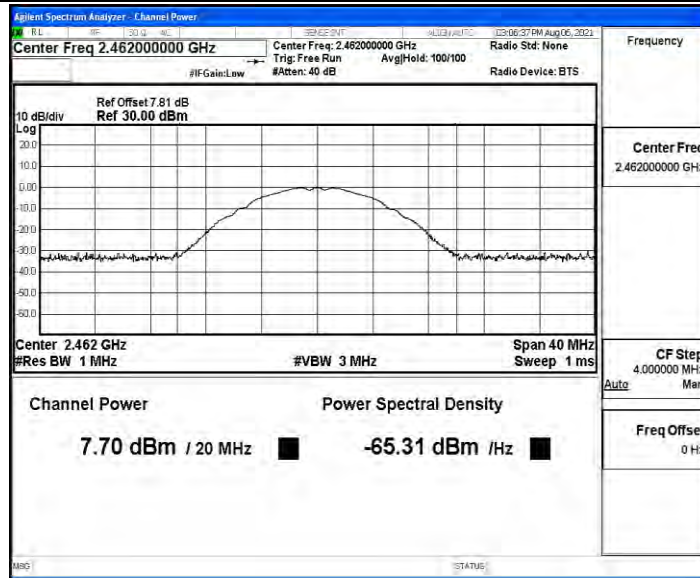


11B_Ant1_2437

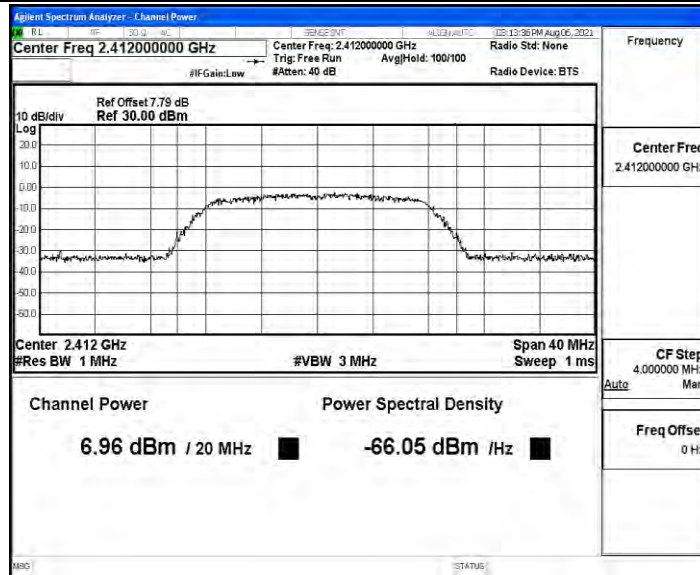




11B_Ant1_2462



11G_Ant1_2412





11G_Ant1_2437

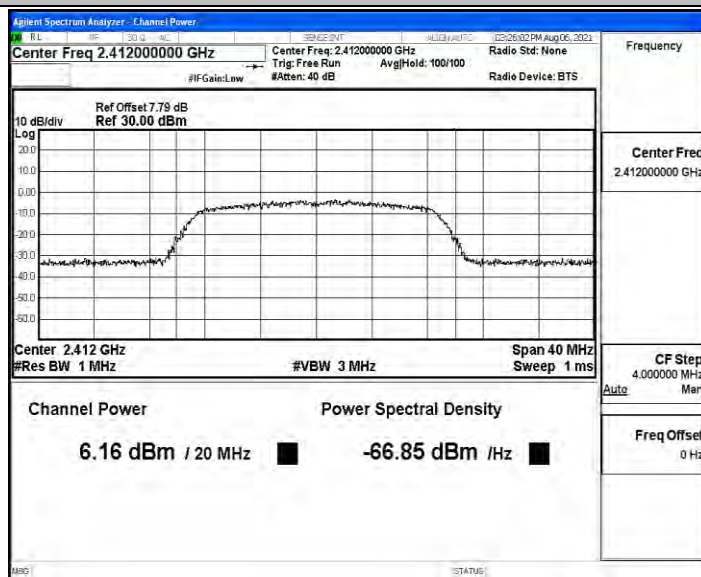


11G_Ant1_2462

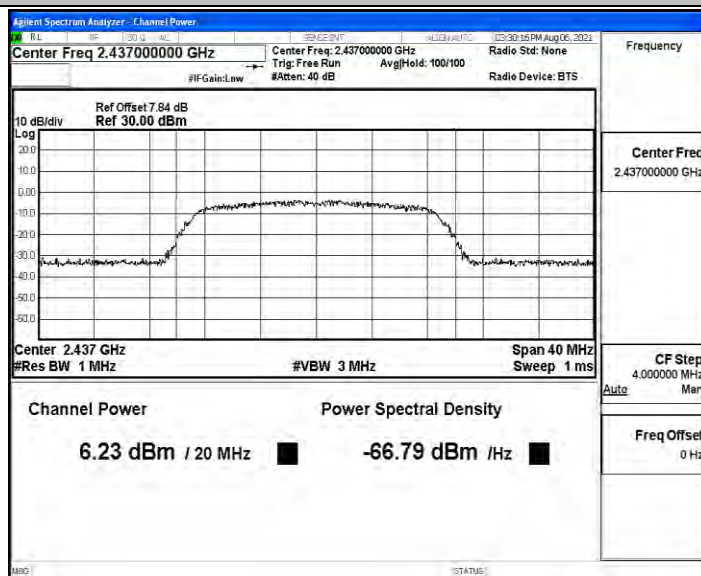




11N20SISO_Ant1_2412

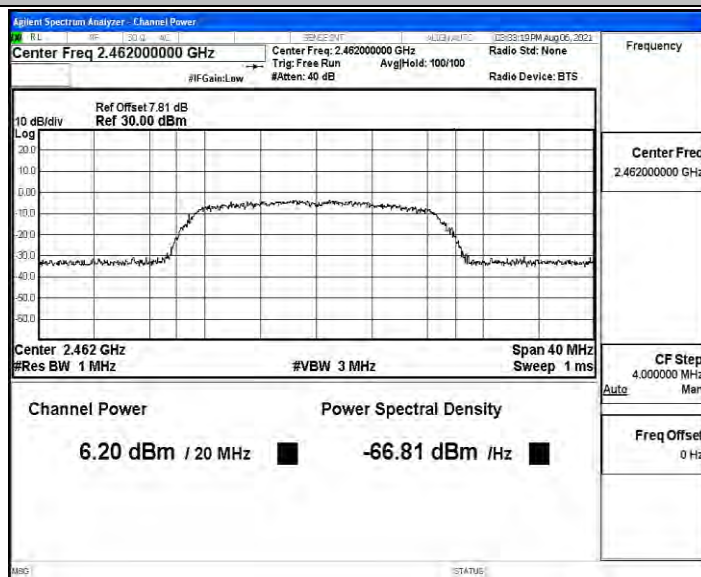


11N20SISO_Ant1_2437

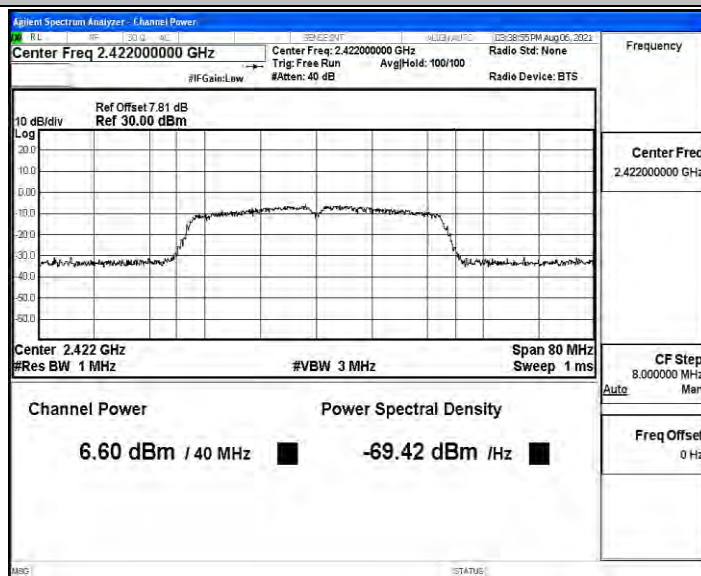




11N20SISO_Ant1_2462

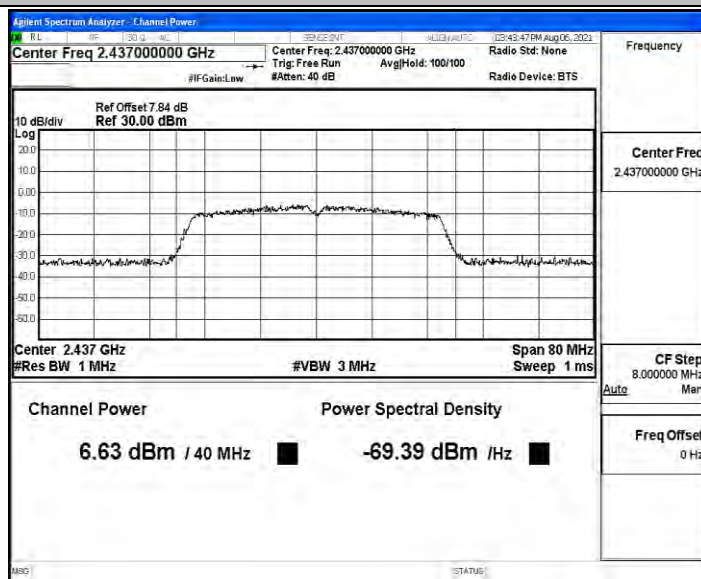


11N40SISO_Ant1_2422





11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





Appendix C.3: Maximum power spectral density

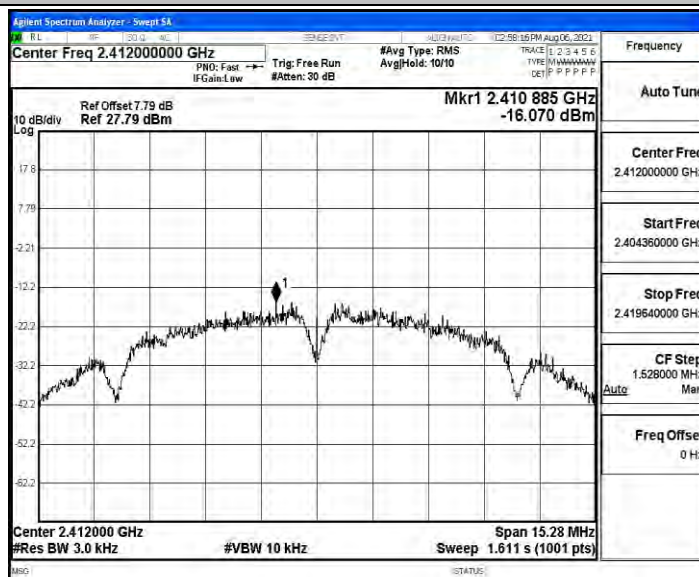
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Duty Cycle Factor(dB)	Report Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.07	0.00	-16.07	≤8	PASS
		2437	-17.67	0.00	-17.67	≤8	PASS
		2462	-16.98	0.00	-16.98	≤8	PASS
11G	Ant1	2412	-22.53	0.15	-22.38	≤8	PASS
		2437	-23.52	0.15	-23.37	≤8	PASS
		2462	-23.54	0.15	-23.39	≤8	PASS
11N20SI SO	Ant1	2412	-23.73	0.16	-23.57	≤8	PASS
		2437	-23.27	0.16	-23.11	≤8	PASS
		2462	-23.85	0.16	-23.69	≤8	PASS
11N40SI SO	Ant1	2422	-23.63	0.33	-23.30	≤8	PASS
		2437	-23.3	0.33	-22.97	≤8	PASS
		2452	-23.68	0.33	-23.35	≤8	PASS

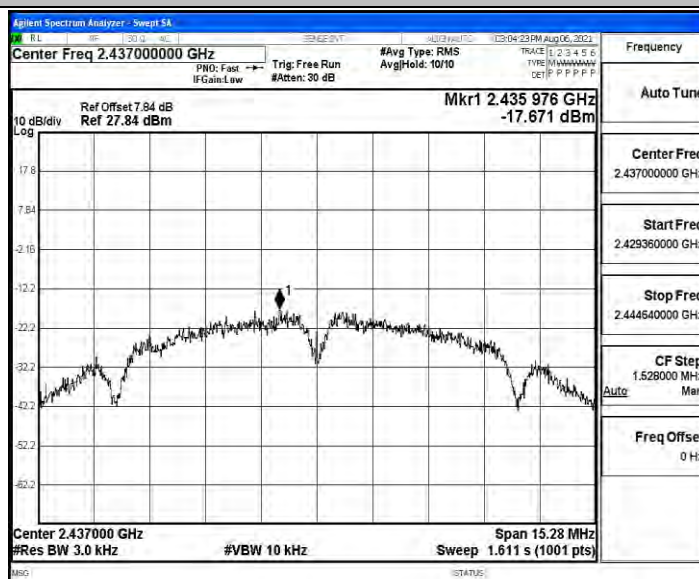


Test Graphs

11B_Ant1_2412

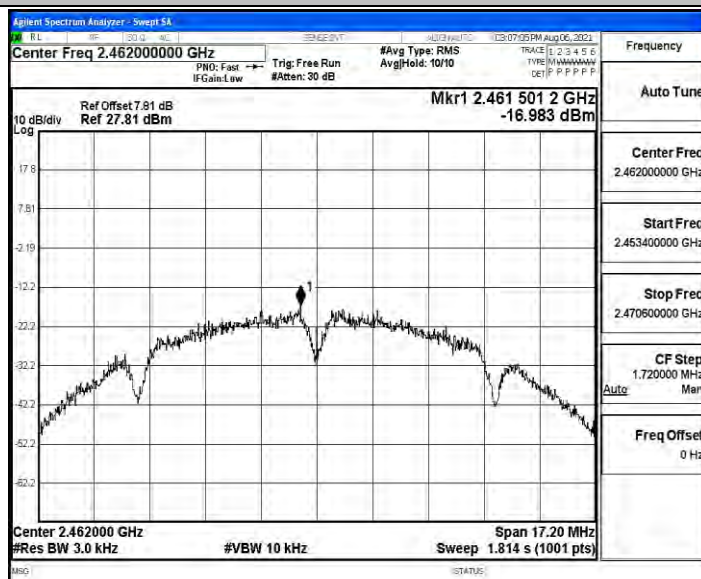


11B_Ant1_2437

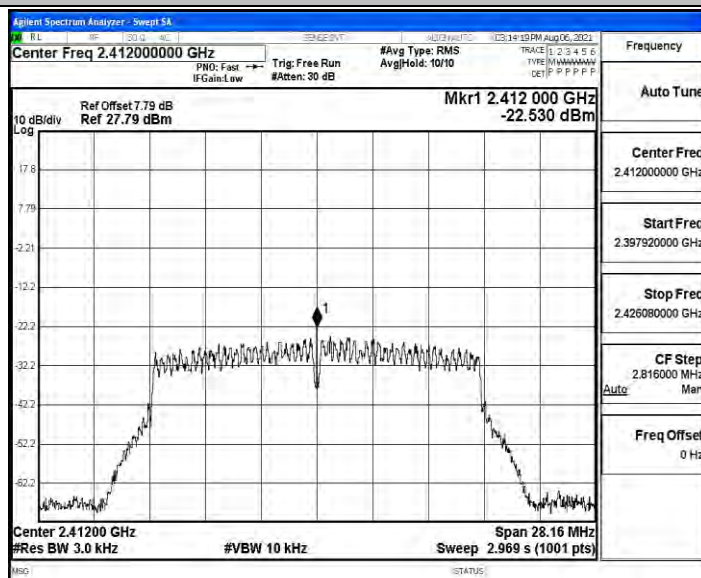




11B_Ant1_2462

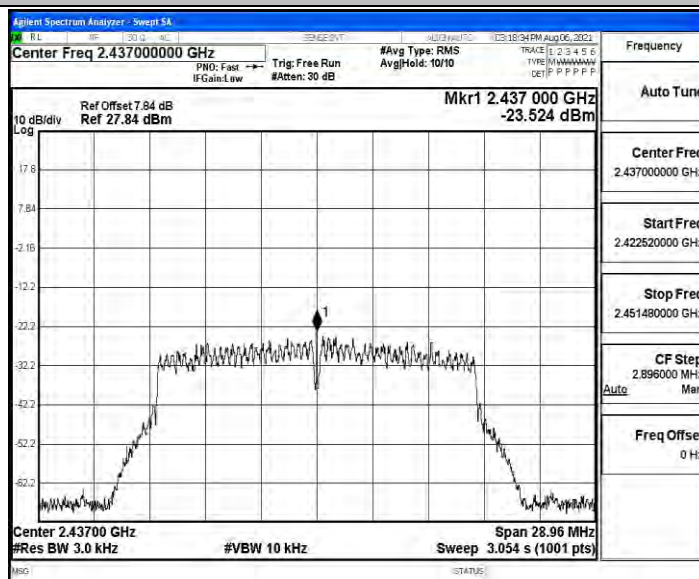


11G_Ant1_2412

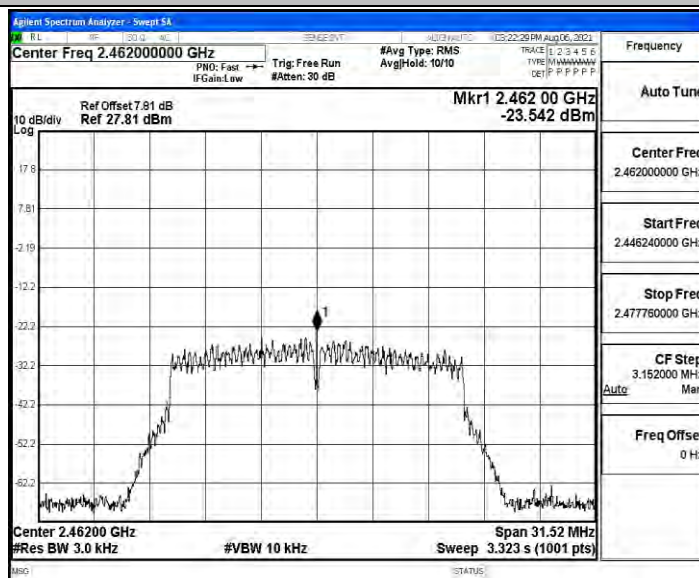




11G_Ant1_2437

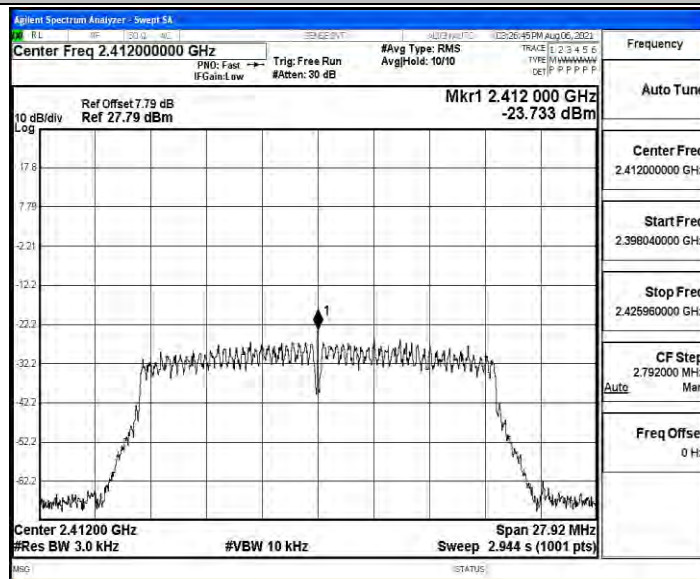


11G_Ant1_2462

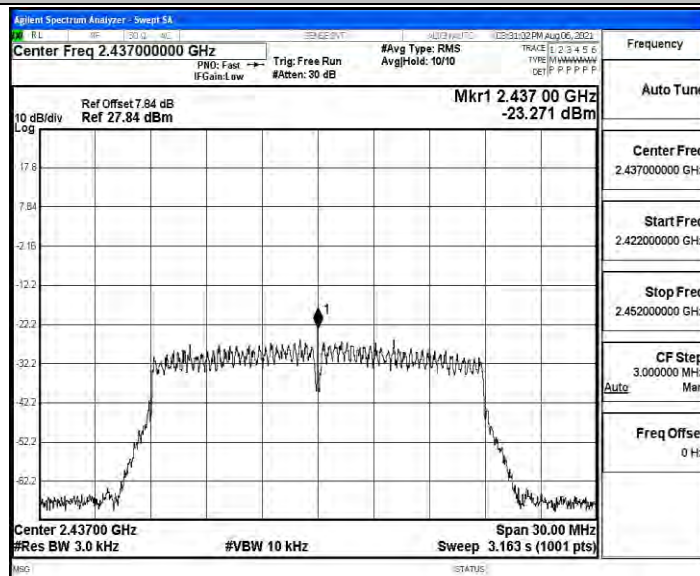




11N20SISO_Ant1_2412

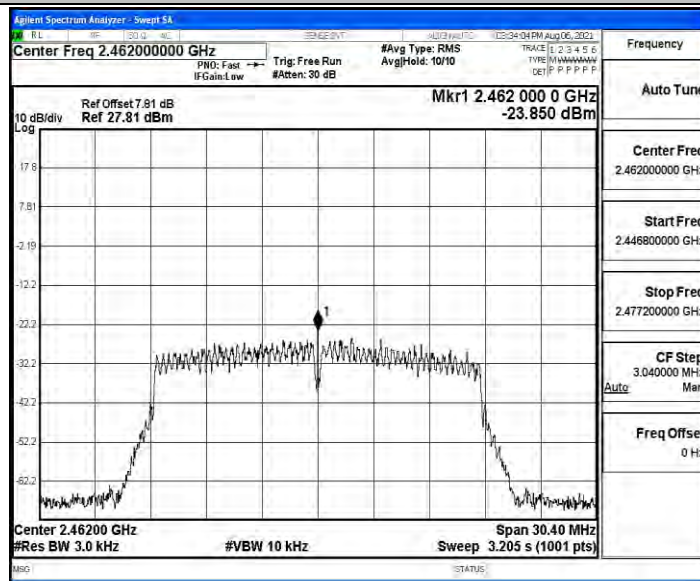


11N20SISO_Ant1_2437

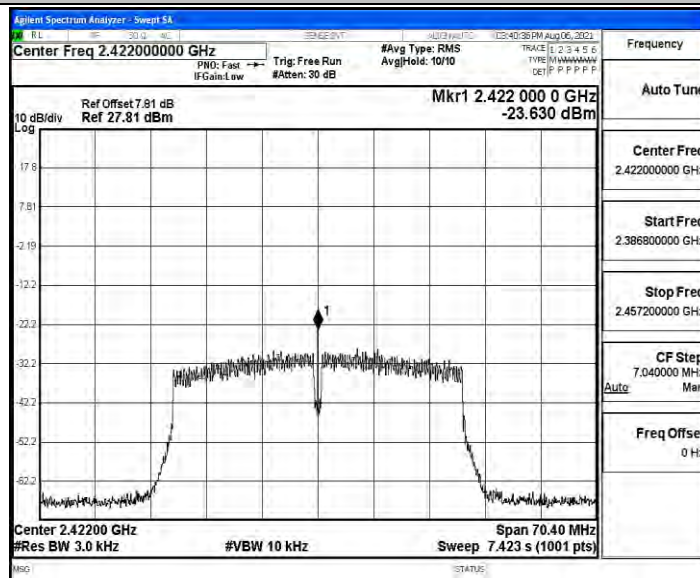




11N20SISO_Ant1_2462

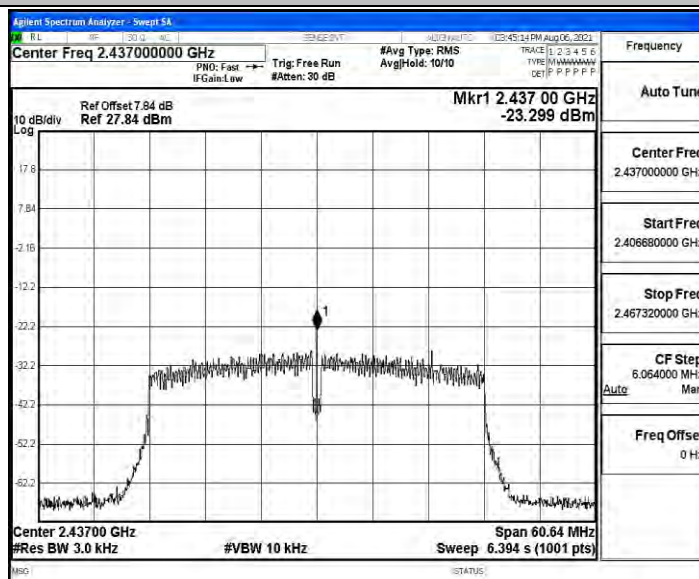


11N40SISO_Ant1_2422

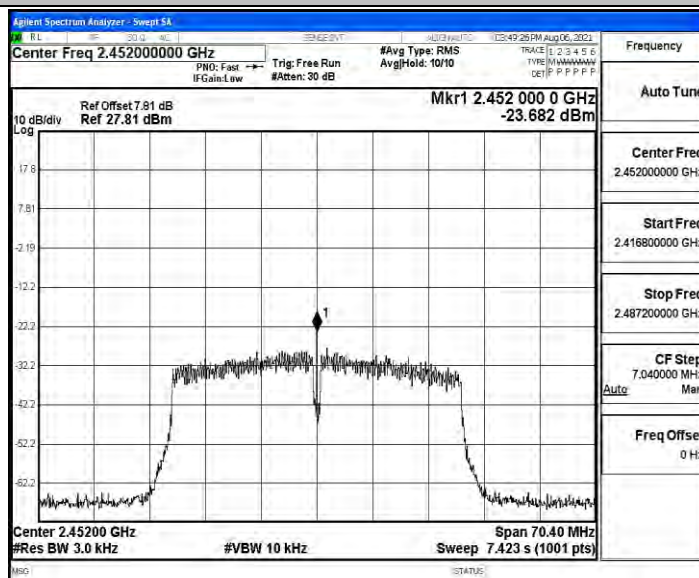




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





Appendix C.4.1: DTS Bandwidth

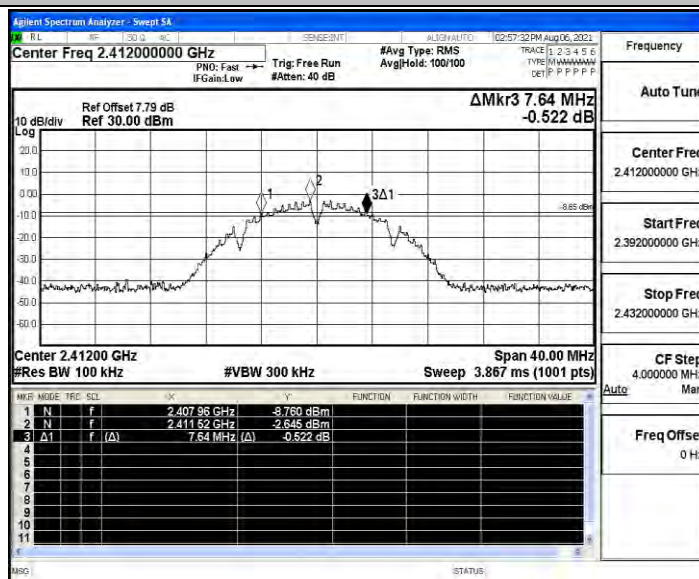
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.640	2407.960	2415.600	0.5	PASS
		2437	7.640	2433.400	2441.040	0.5	PASS
		2462	8.600	2457.440	2466.040	0.5	PASS
11G	Ant1	2412	14.080	2405.680	2419.760	0.5	PASS
		2437	14.480	2429.440	2443.920	0.5	PASS
		2462	15.760	2453.800	2469.560	0.5	PASS
11N20SISO	Ant1	2412	13.960	2405.640	2419.600	0.5	PASS
		2437	15.000	2429.600	2444.600	0.5	PASS
		2462	15.200	2454.400	2469.600	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	30.320	2420.600	2450.920	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

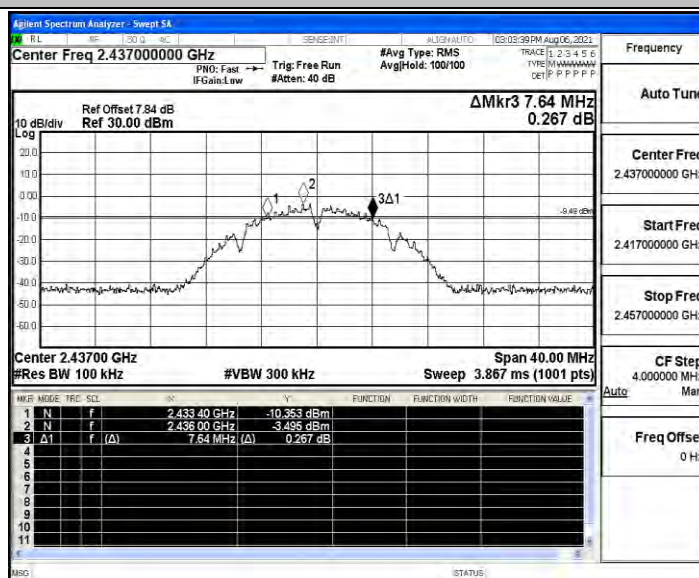


Test Graphs

11B_Ant1_2412

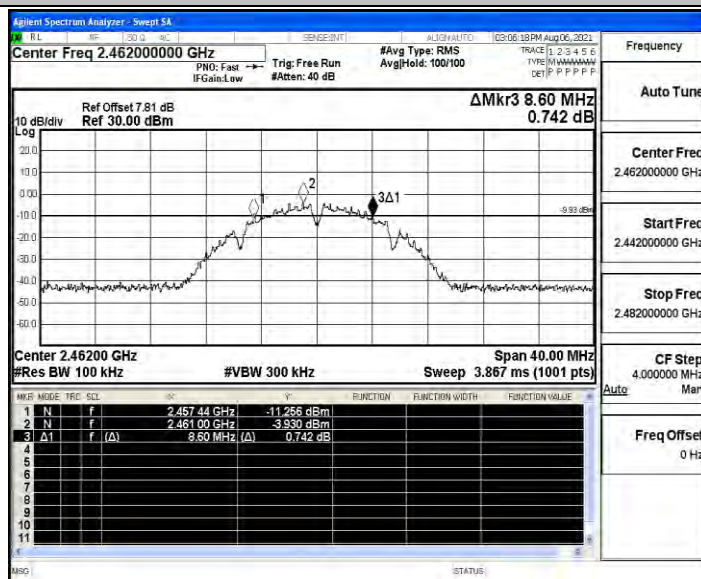


11B_Ant1_2437

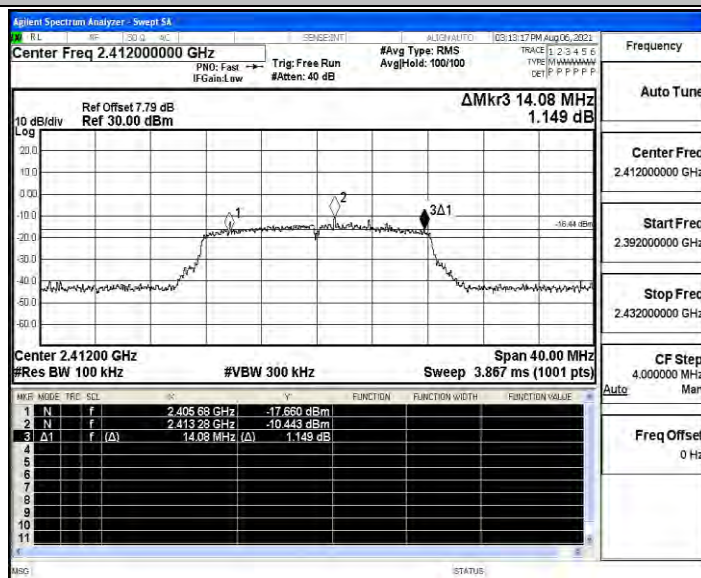




11B_Ant1_2462

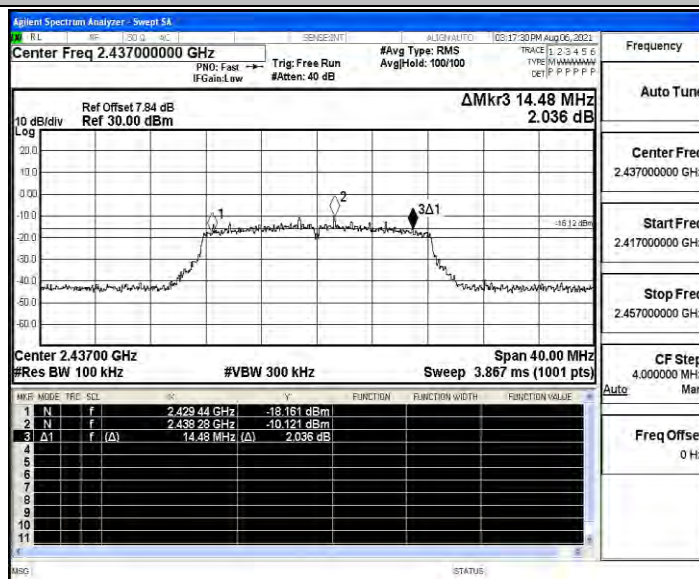


11G_Ant1_2412

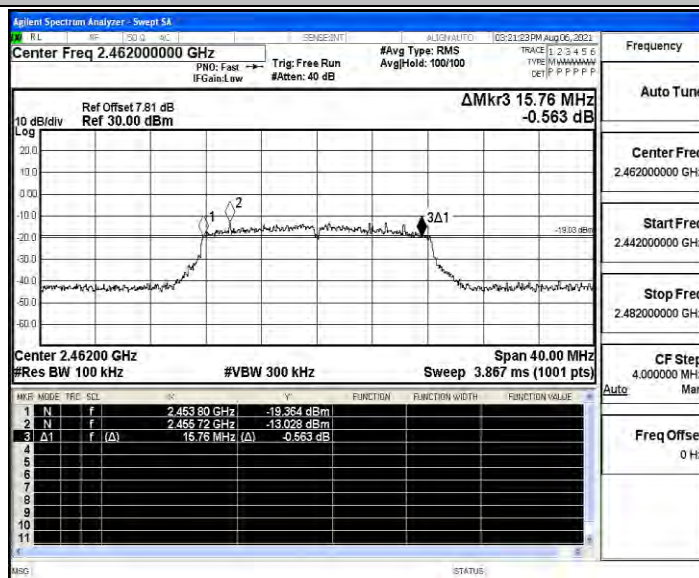




11G_Ant1_2437

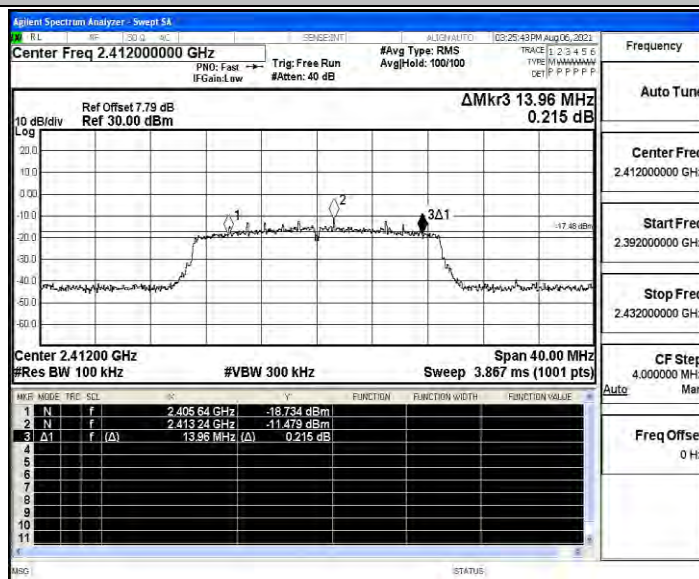


11G_Ant1_2462

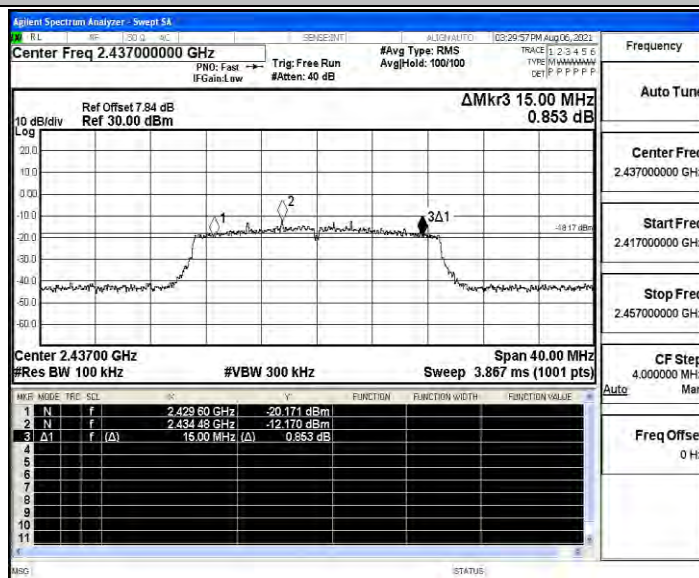




11N20SISO_Ant1_2412

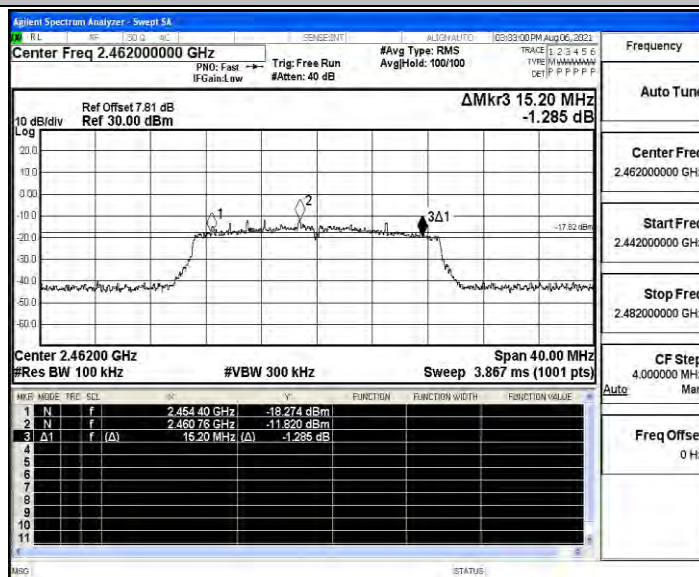


11N20SISO_Ant1_2437

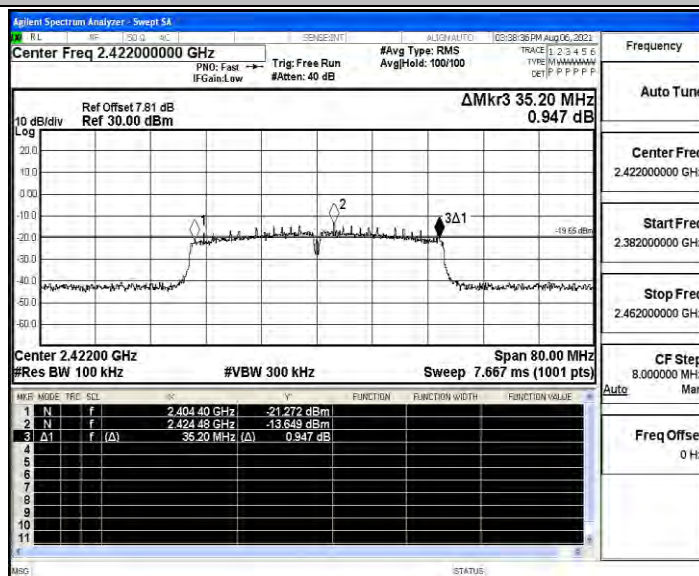




11N20SISO_Ant1_2462

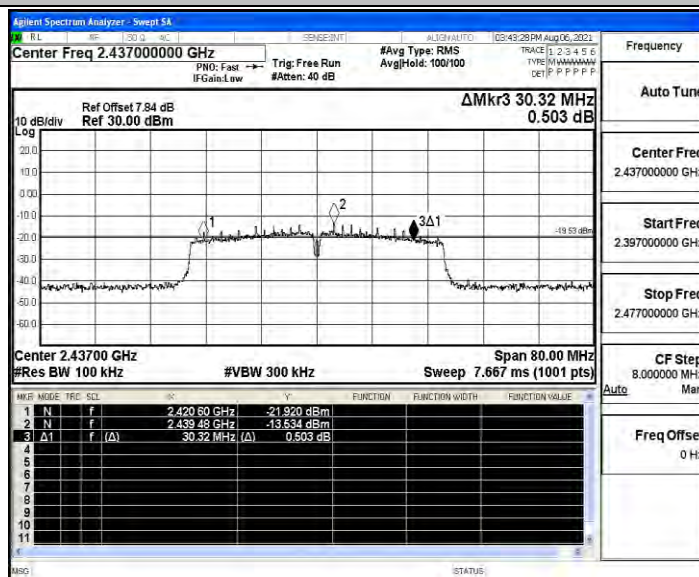


11N40SISO_Ant1_2422

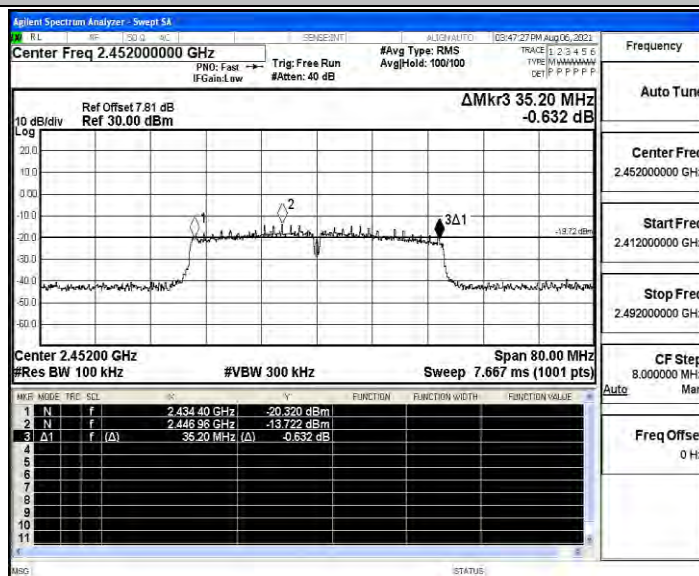




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





Appendix C.4.2: Occupied Channel Bandwidth

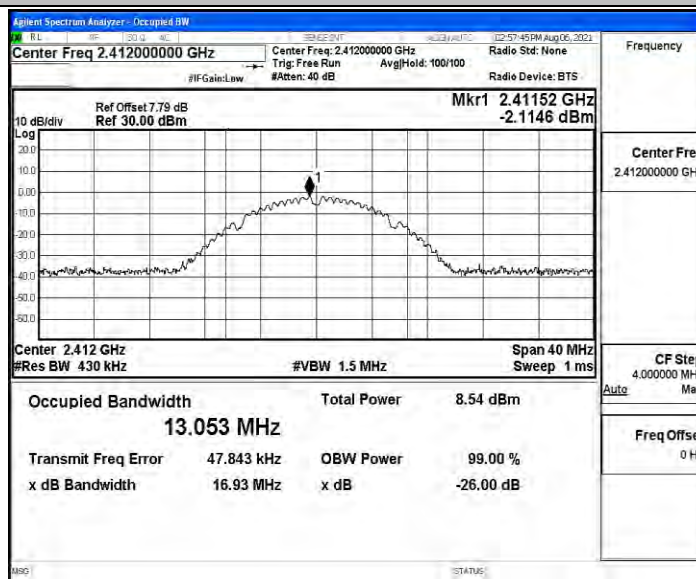
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.053	2405.521	2418.574	---	PASS
		2437	13.139	2430.423	2443.562	---	PASS
		2462	13.121	2455.393	2468.514	---	PASS
11G	Ant1	2412	16.989	2403.550	2420.539	---	PASS
		2437	16.927	2428.545	2445.472	---	PASS
		2462	17.020	2453.439	2470.459	---	PASS
11N20SISO	Ant1	2412	18.052	2403.029	2421.081	---	PASS
		2437	17.990	2428.016	2446.006	---	PASS
		2462	17.978	2452.969	2470.947	---	PASS
11N40SISO	Ant1	2422	36.587	2403.727	2440.314	---	PASS
		2437	36.704	2418.654	2455.358	---	PASS
		2452	36.660	2433.596	2470.256	---	PASS

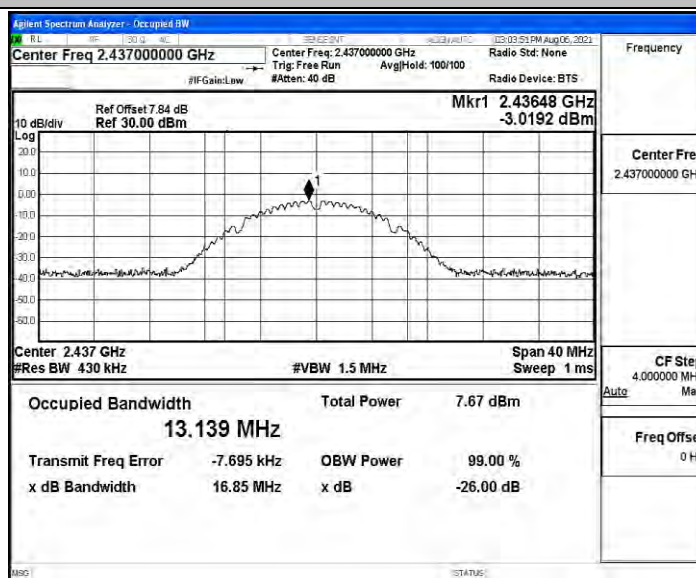


Test Graphs

11B_Ant1_2412

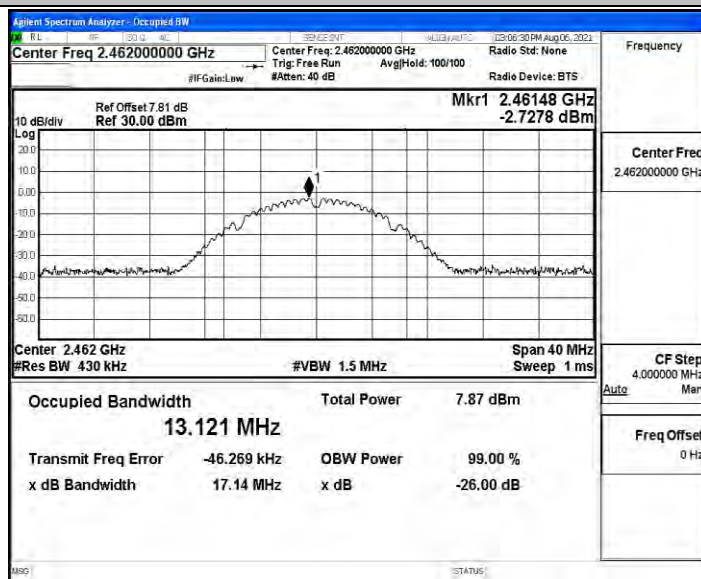


11B_Ant1_2437

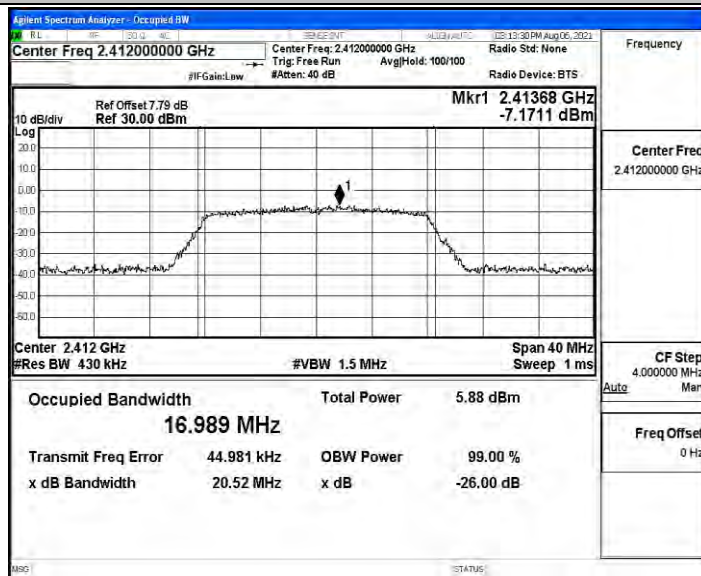




11B_Ant1_2462

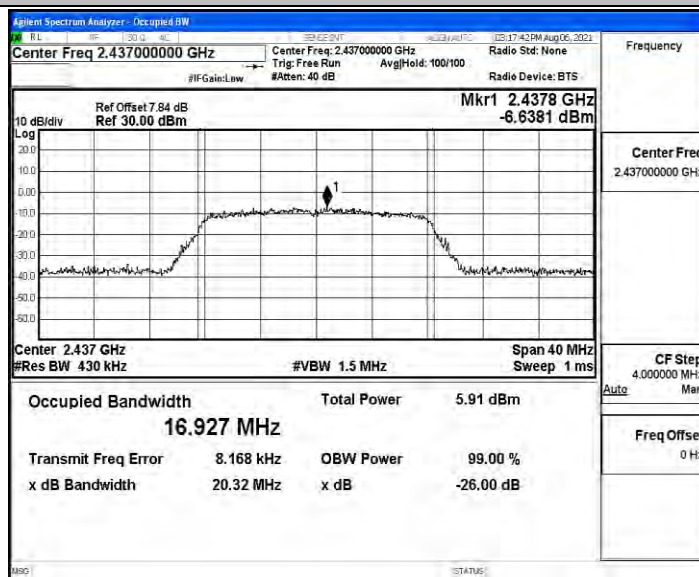


11G_Ant1_2412





11G_Ant1_2437

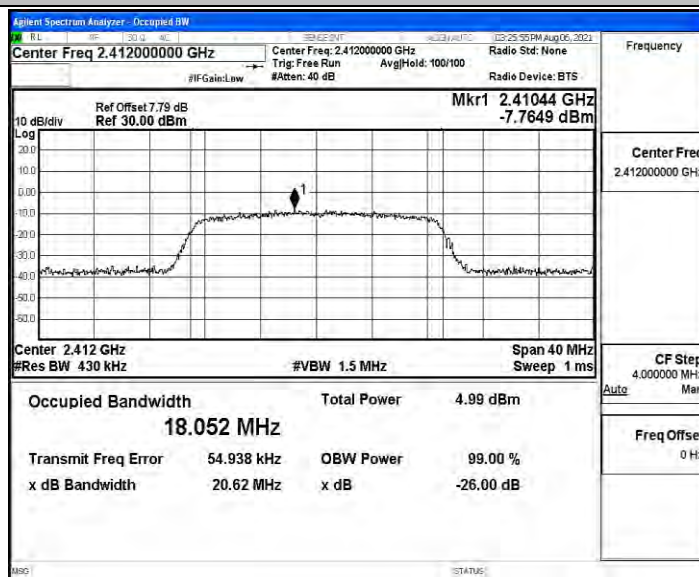


11G_Ant1_2462

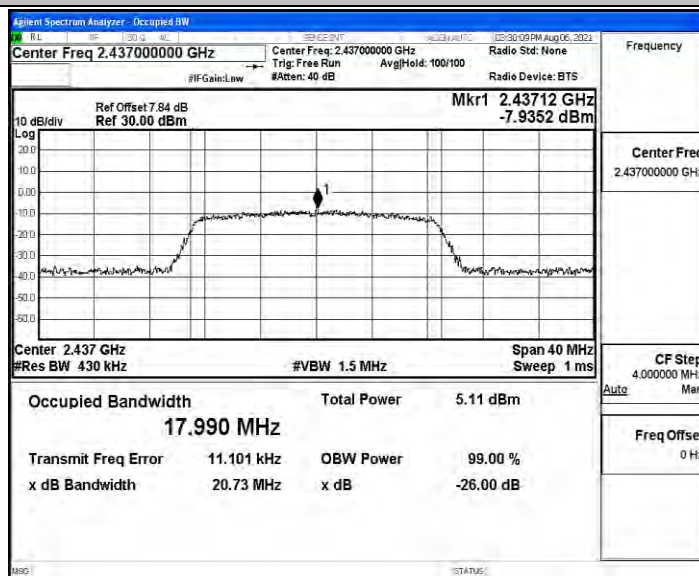




11N20SISO_Ant1_2412

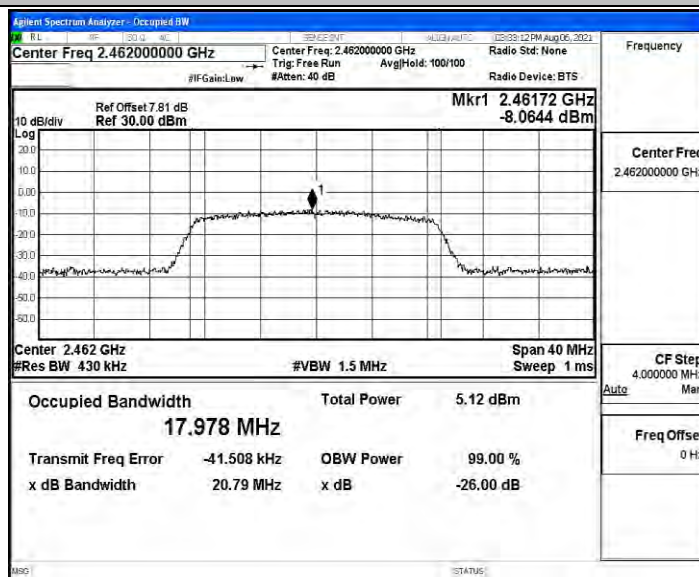


11N20SISO_Ant1_2437

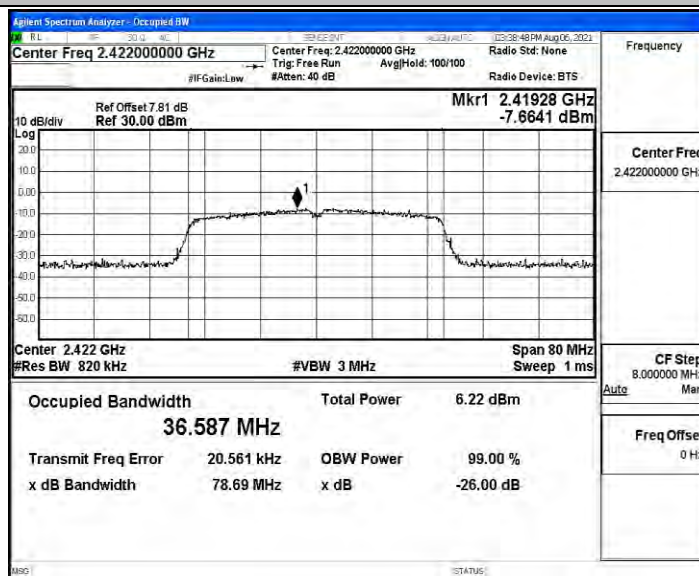




11N20SISO_Ant1_2462

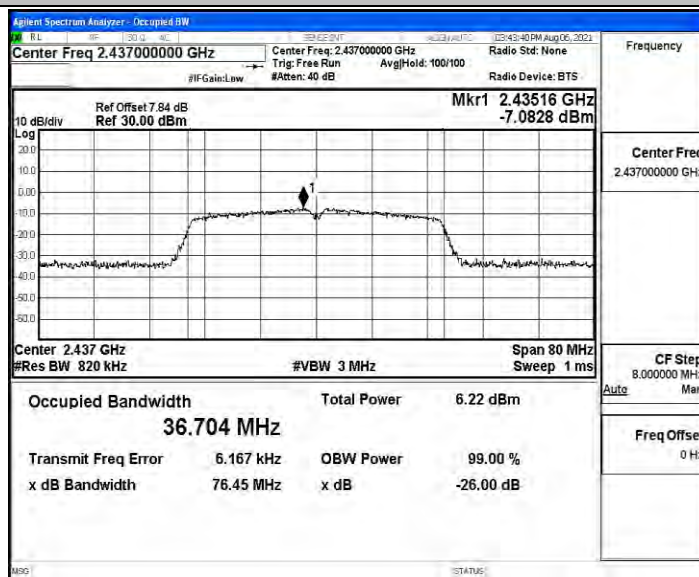


11N40SISO_Ant1_2422

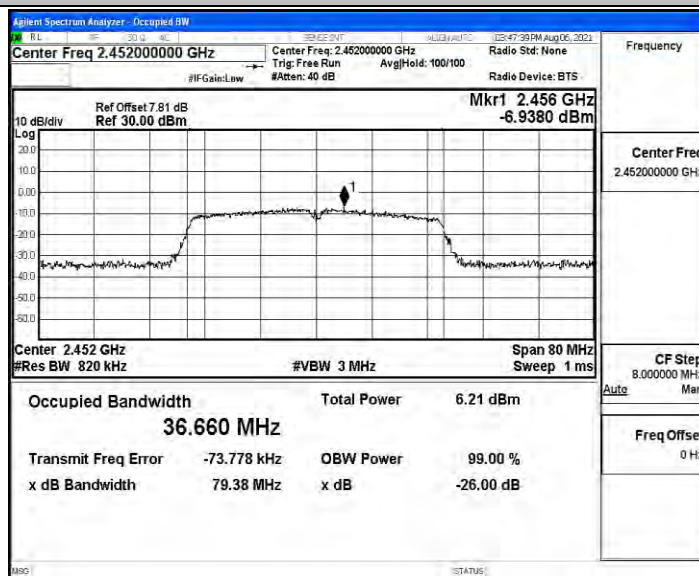




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





Appendix C.5: Conducted Spurious Emission

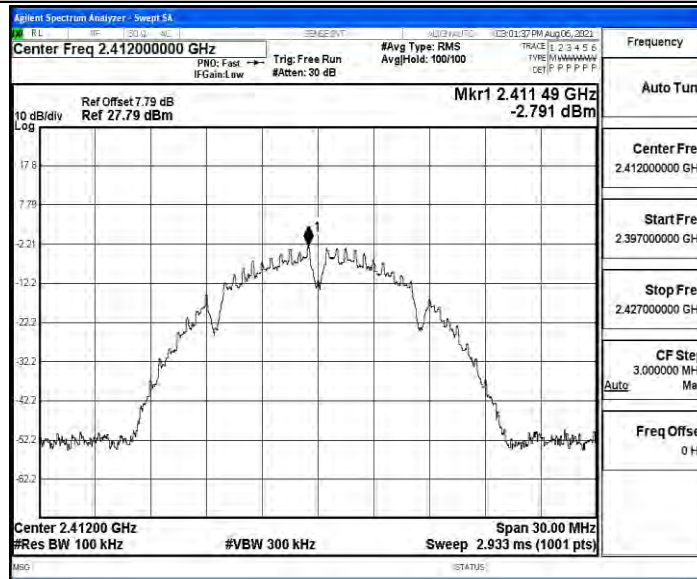
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-61.2	≤ -22.79	PASS
			1000~26500	-2.79	-47.25	≤ -22.79	PASS
		2437	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-61.24	≤ -23.61	PASS
			1000~26500	-3.61	-47.46	≤ -23.61	PASS
		2462	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-61.57	≤ -23.28	PASS
			1000~26500	-3.28	-46.99	≤ -23.28	PASS
11G	Ant1	2412	Reference	-10.65	-10.65	---	PASS
			30~1000	-10.65	-60.74	≤ -30.65	PASS
			1000~26500	-10.65	-46.48	≤ -30.65	PASS
		2437	Reference	-10.05	-10.05	---	PASS
			30~1000	-10.05	-61.48	≤ -30.05	PASS
			1000~26500	-10.05	-47.25	≤ -30.05	PASS
		2462	Reference	-12.01	-12.01	---	PASS
			30~1000	-12.01	-59.9	≤ -32.01	PASS
			1000~26500	-12.01	-47.12	≤ -32.01	PASS
11N20SISO	Ant1	2412	Reference	-11.58	-11.58	---	PASS
			30~1000	-11.58	-59.65	≤ -31.58	PASS
			1000~26500	-11.58	-47.45	≤ -31.58	PASS
		2437	Reference	-12.01	-12.01	---	PASS
			30~1000	-12.01	-61.62	≤ -32.01	PASS
			1000~26500	-12.01	-47.52	≤ -32.01	PASS
		2462	Reference	-12.31	-12.31	---	PASS
			30~1000	-12.31	-61.79	≤ -32.31	PASS
			1000~26500	-12.31	-47.01	≤ -32.31	PASS
11N40SISO	Ant1	2422	Reference	-13.81	-13.81	---	PASS
			30~1000	-13.81	-61.78	≤ -33.81	PASS
			1000~26500	-13.81	-47.74	≤ -33.81	PASS
		2437	Reference	-14.35	-14.35	---	PASS
			30~1000	-14.35	-61.44	≤ -34.35	PASS
			1000~26500	-14.35	-47.38	≤ -34.35	PASS
		2452	Reference	-13.59	-13.59	---	PASS
			30~1000	-13.59	-61.53	≤ -33.59	PASS
			1000~26500	-13.59	-47.06	≤ -33.59	PASS

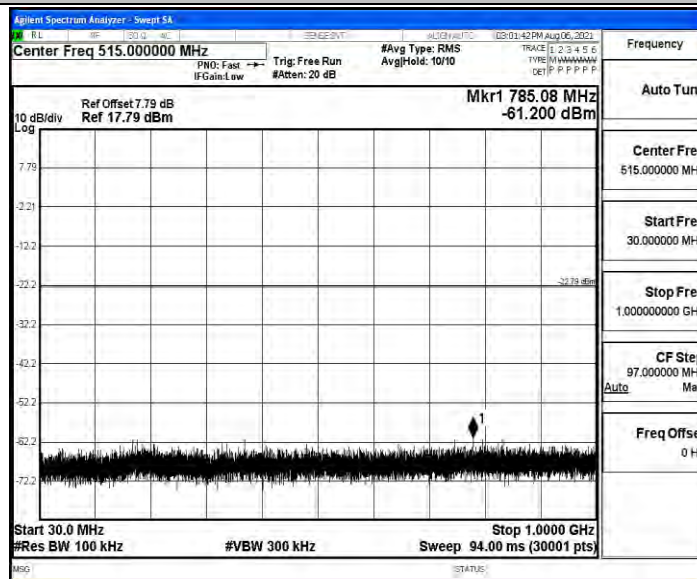


Test Graphs

11B_Ant1_2412_0~Reference

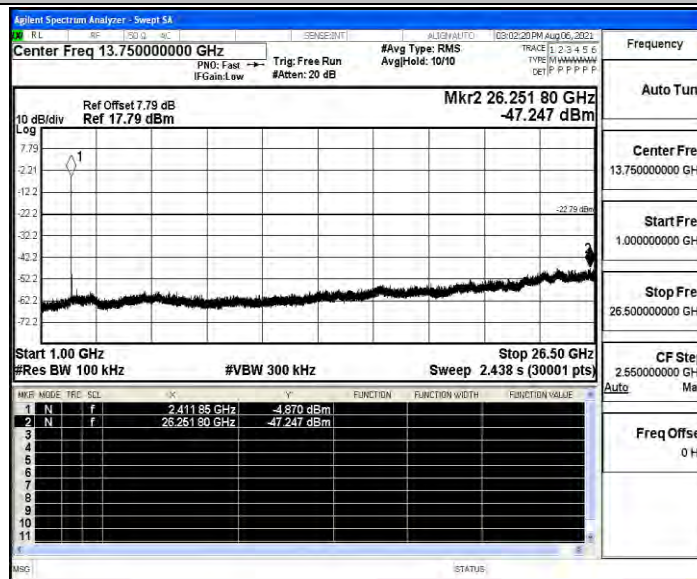


11B_Ant1_2412_30~1000

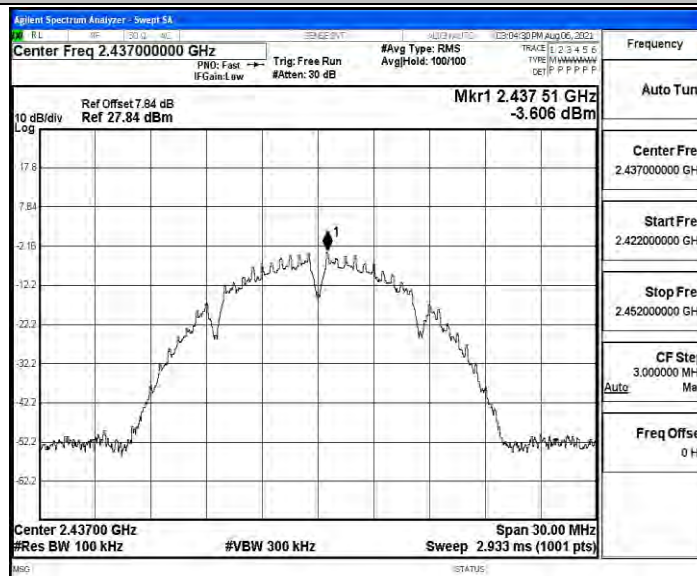




11B_Ant1_2412_1000~26500

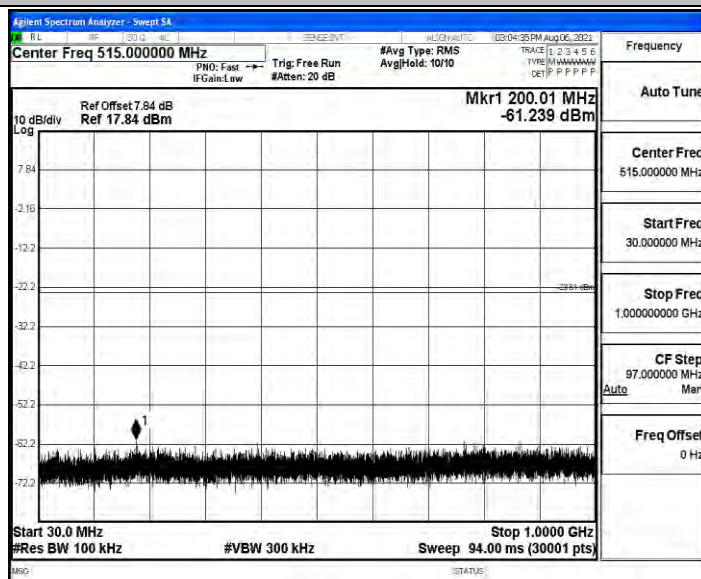


11B_Ant1_2437_0~Reference

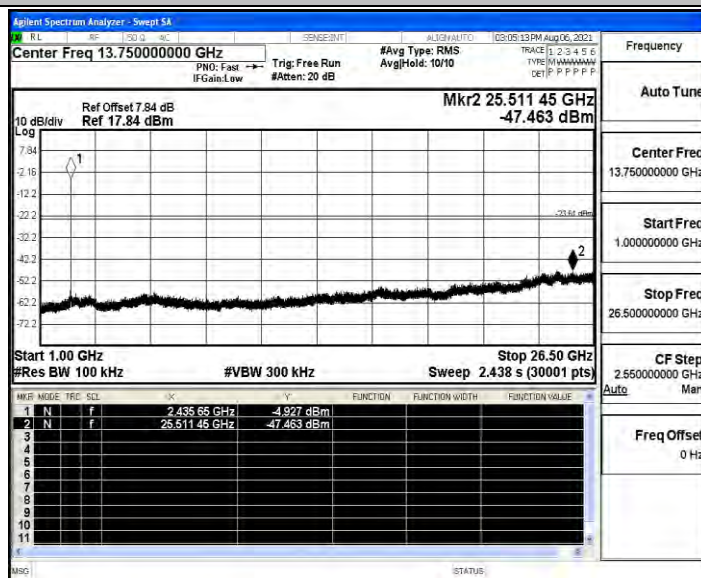




11B_Ant1_2437_30~1000

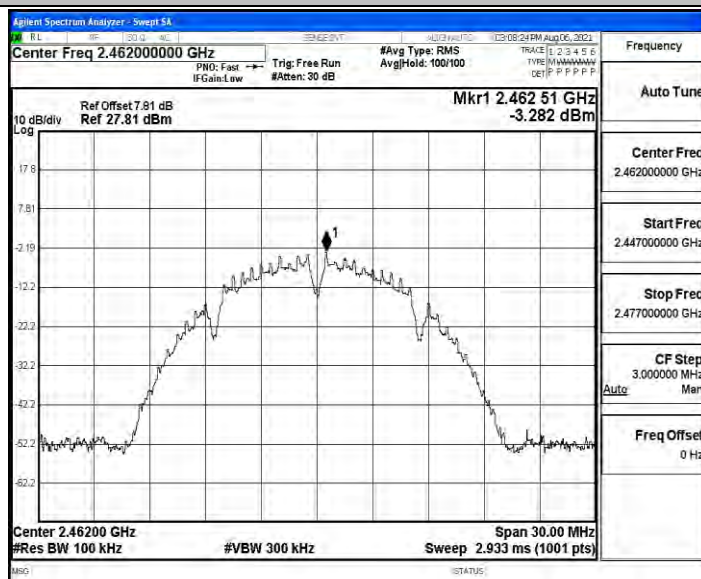


11B_Ant1_2437_1000~26500

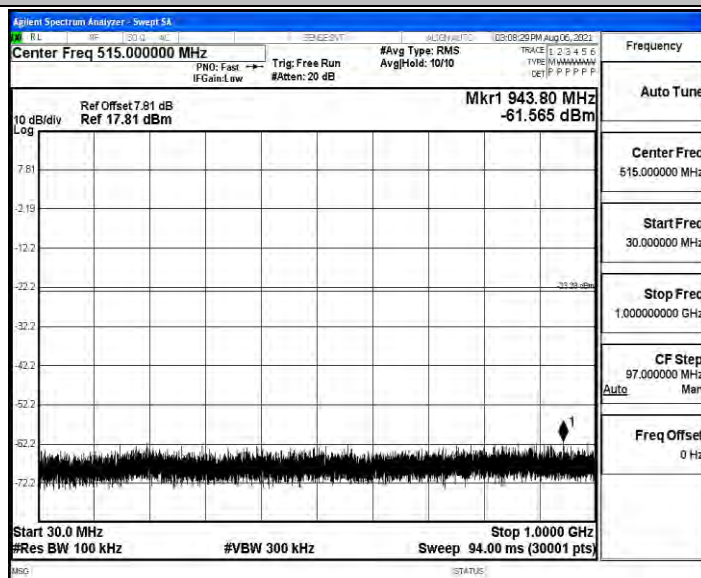




11B_Ant1_2462_0~Reference

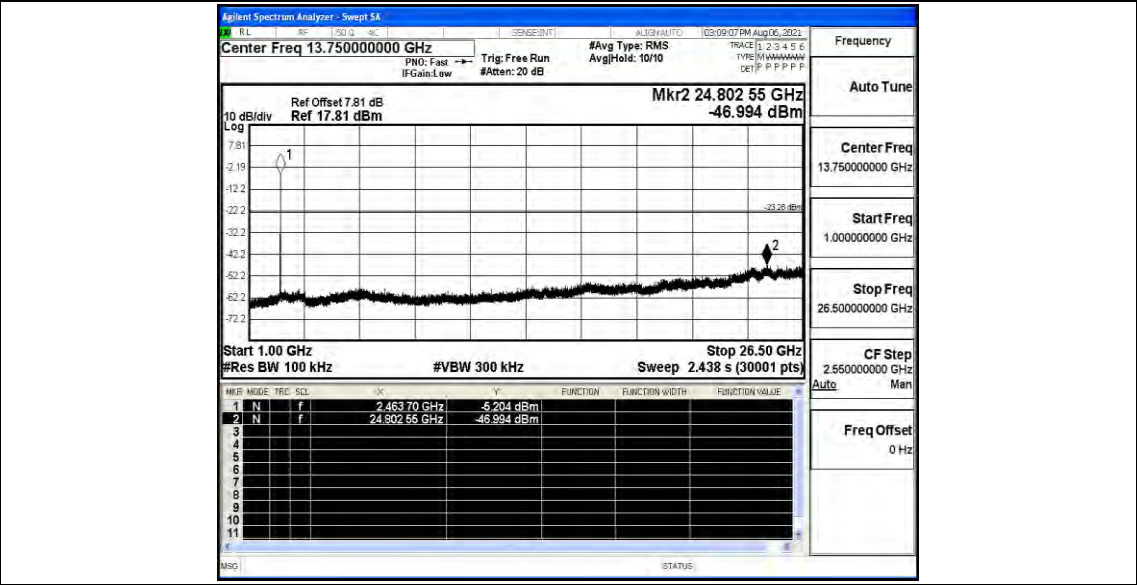


11B_Ant1_2462_30~1000

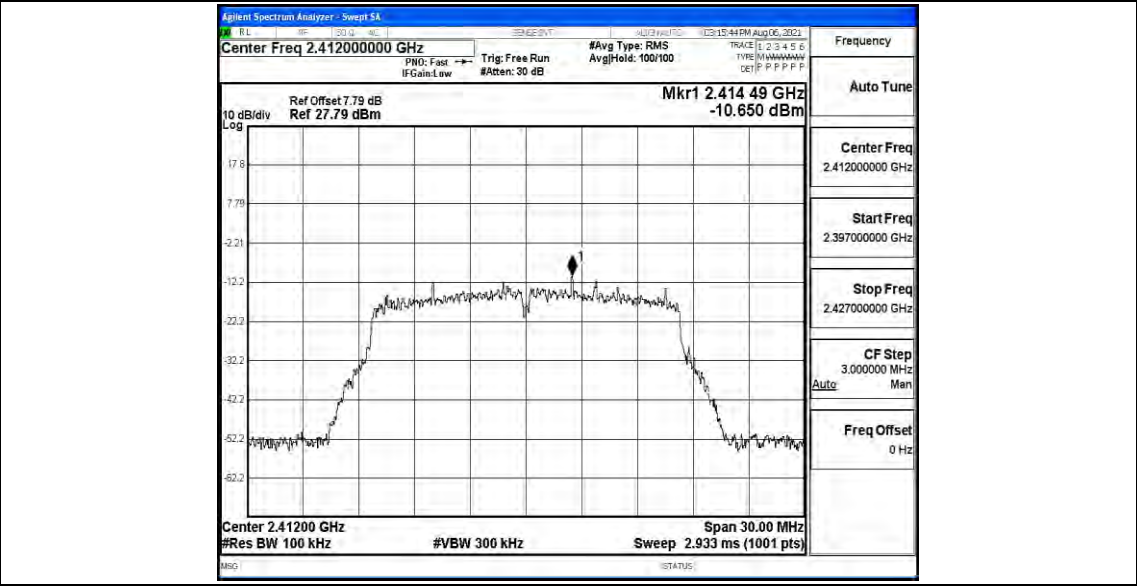




11B_Ant1_2462_1000~26500

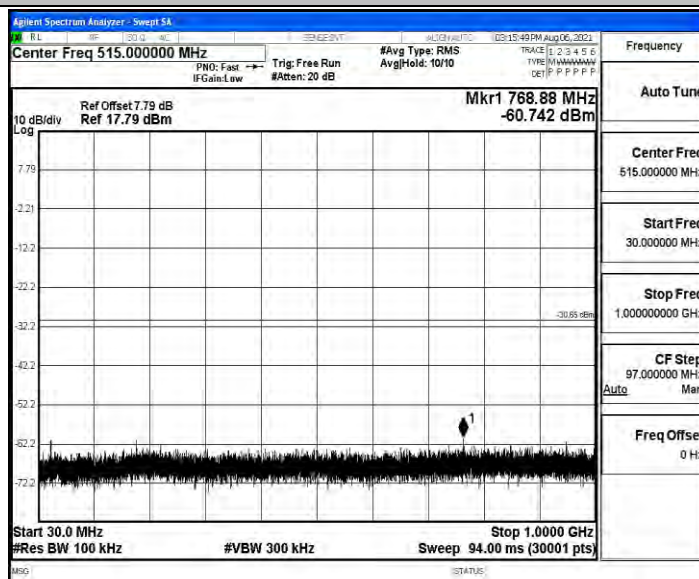


11G_Ant1_2412_0~Reference

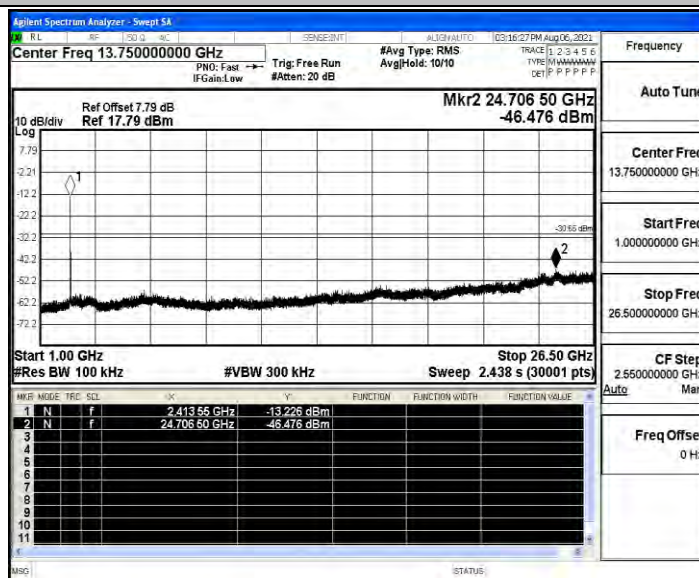




11G_Ant1_2412_30~1000

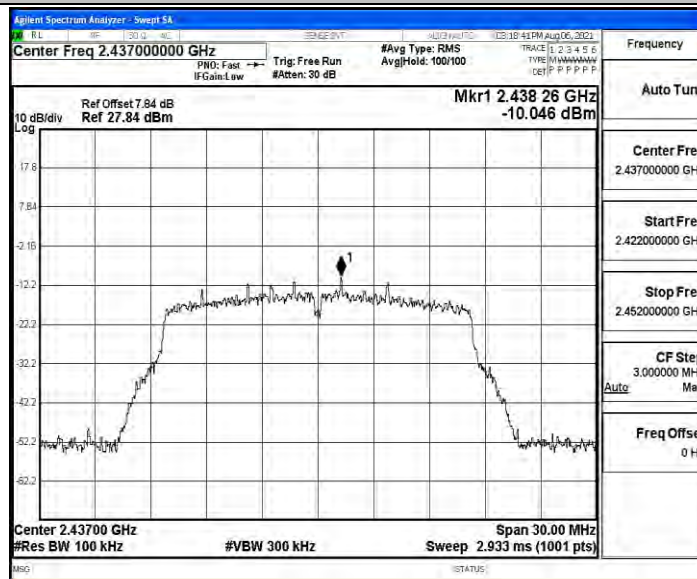


11G_Ant1_2412_1000~26500

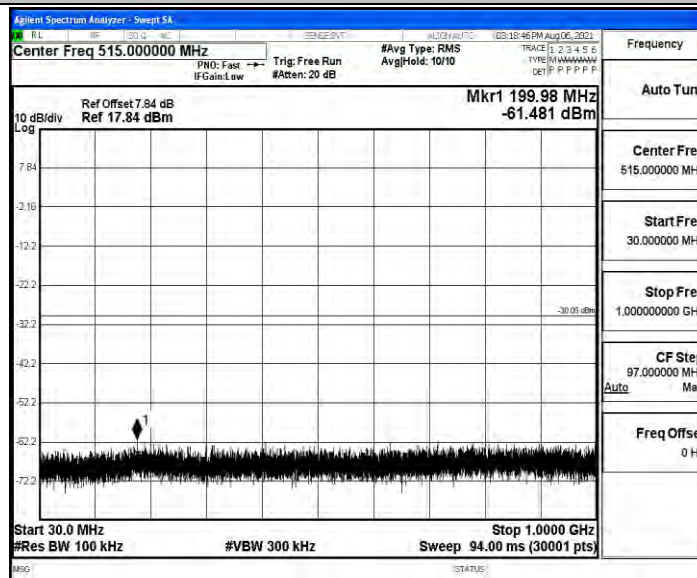




11G_Ant1_2437_0~Reference

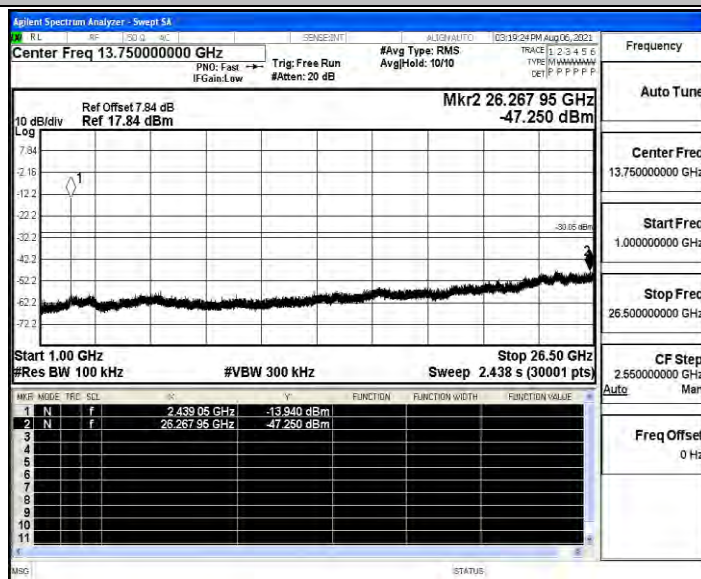


11G_Ant1_2437_30~1000

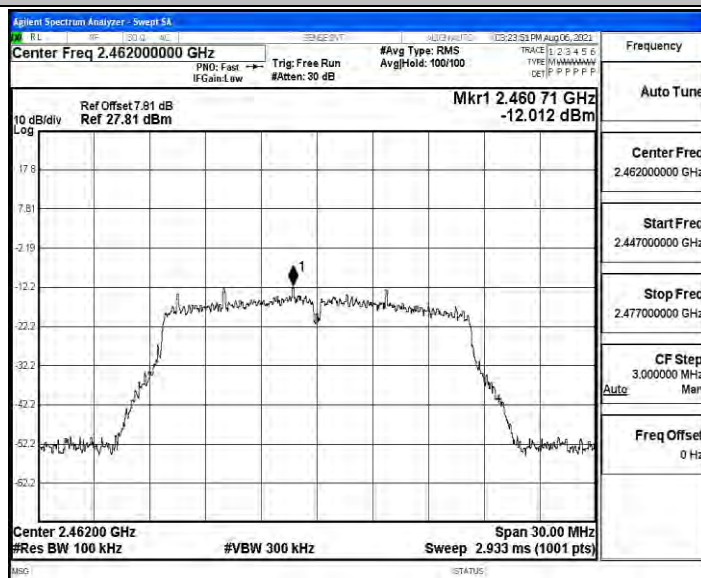




11G_Ant1_2437_1000~26500

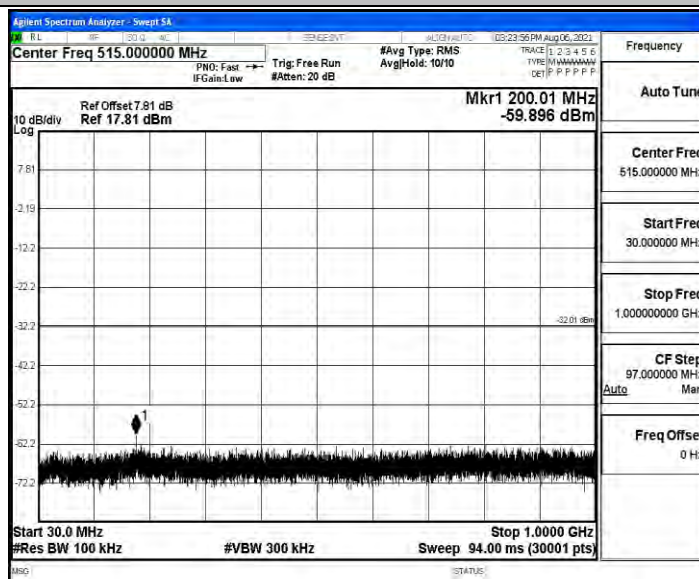


11G_Ant1_2462_0~Reference

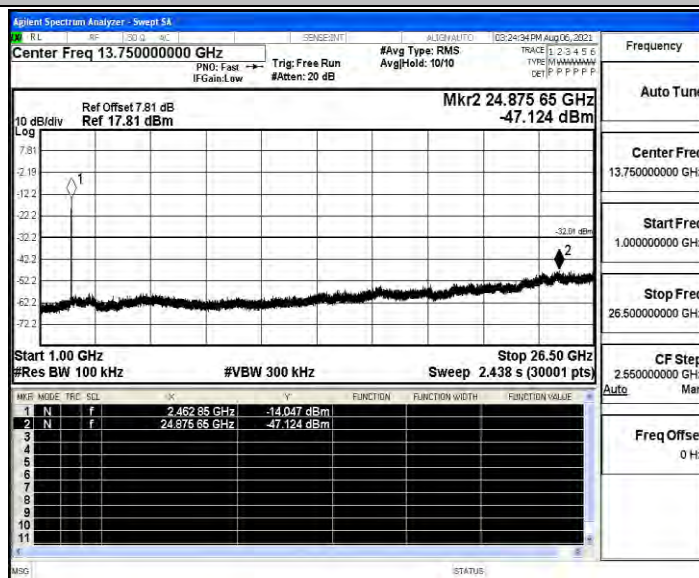




11G_Ant1_2462_30~1000

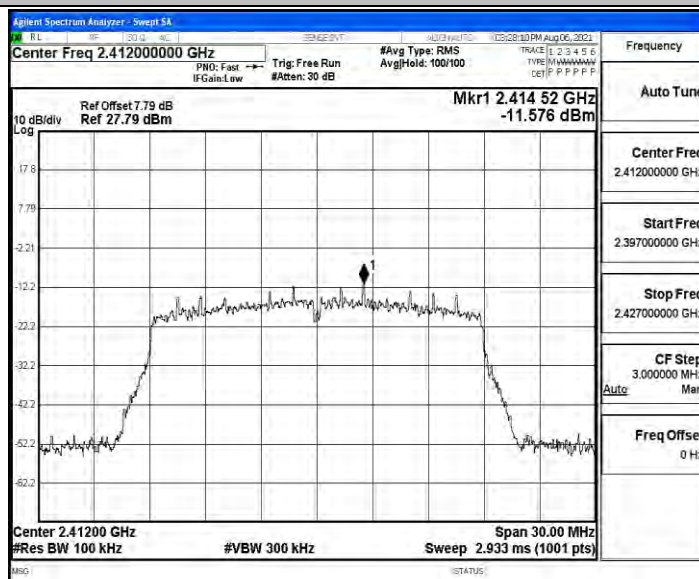


11G_Ant1_2462_1000~26500

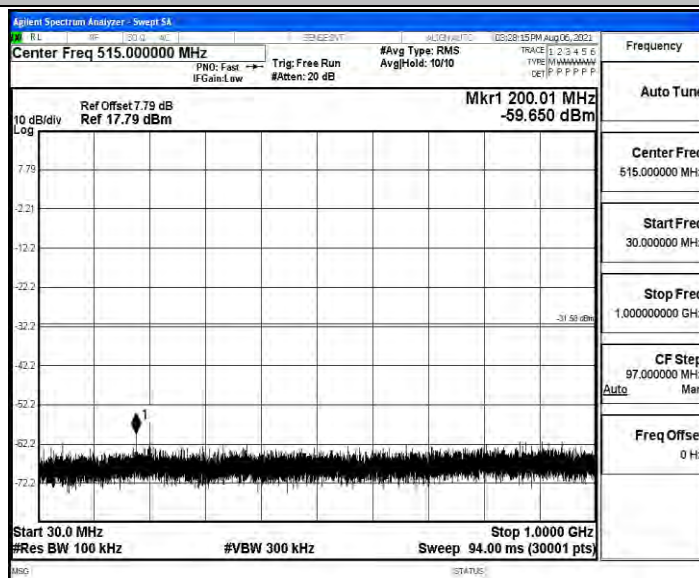




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



[illegible]

Agilent Spectrum Analyzer - Sweep 5A

Center Freq 2.43700000 GHz

Ref Offset 7.84 dB
Ref 27.84 dBm

Mkr1 2.435 71 GHz
-12.009 dBm

10 dB/div
Log

Center Freq 2.43700000 GHz

Start Freq 2.422000000 GHz

Stop Freq 2.452000000 GHz

CF Step 3.000000 MHz

Freq Offset 0 Hz

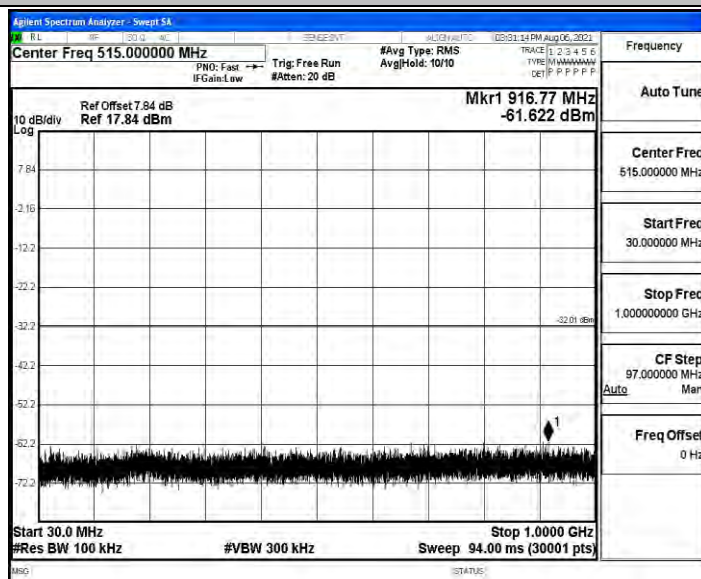
Center 2.43700 GHz
#Res BW 100 kHz

#VBW 300 kHz

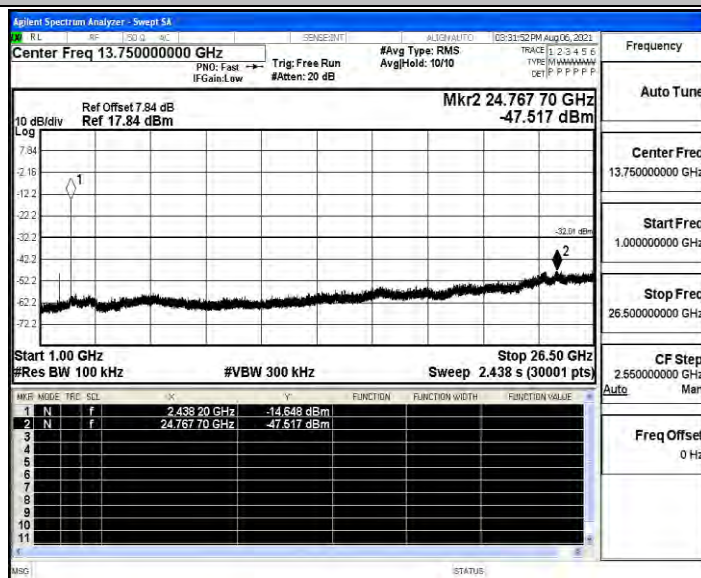
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)



11N20SISO_Ant1_2437_30~1000

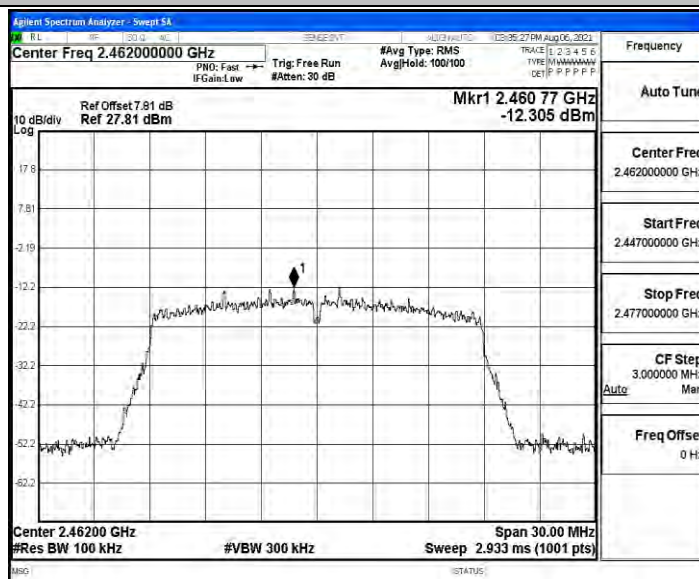


11N20SISO_Ant1_2437_1000~26500

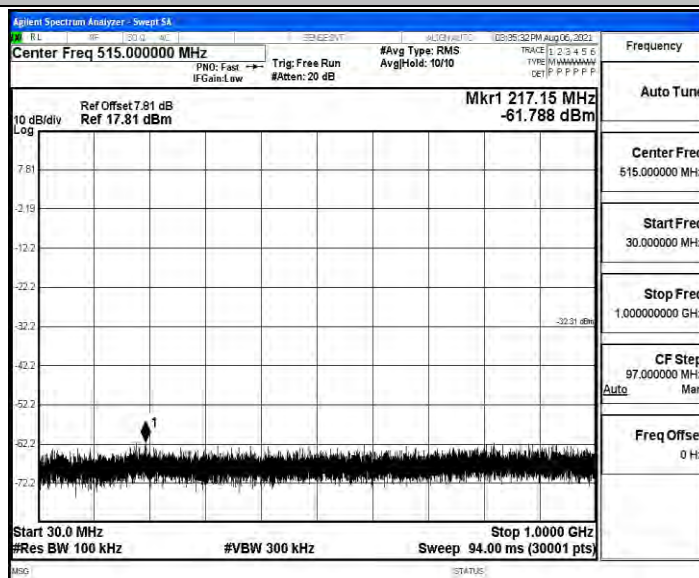




11N20SISO_Ant1_2462_0~Reference

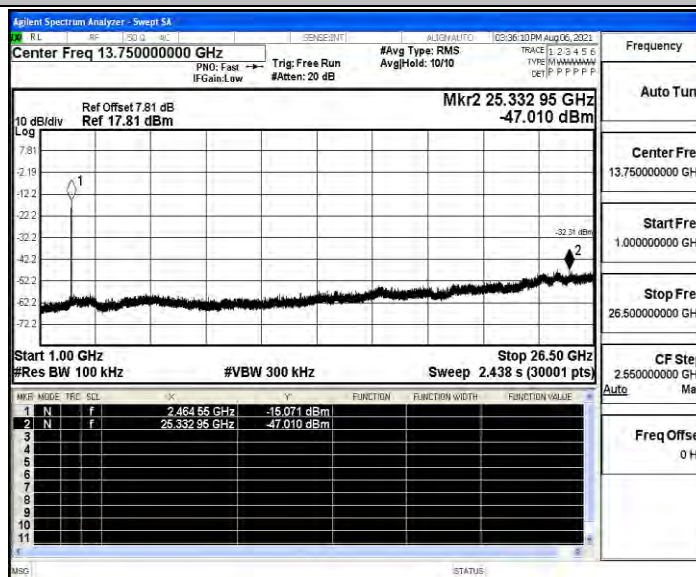


11N20SISO_Ant1_2462_30~1000

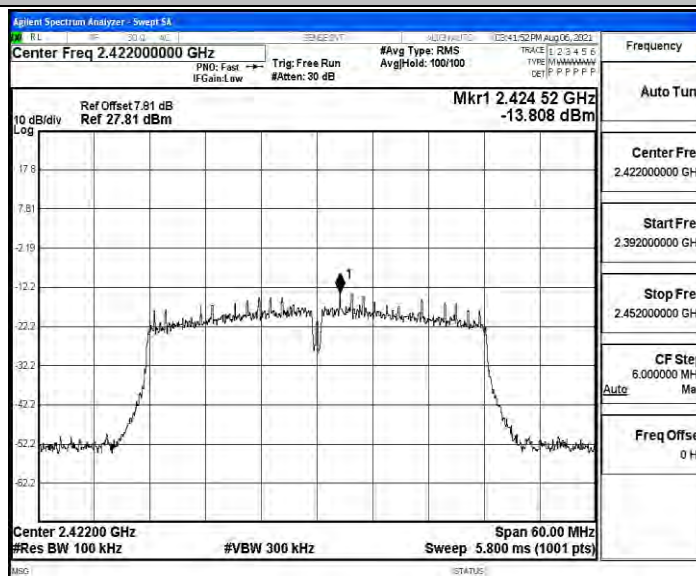




11N20SISO_Ant1_2462_1000~26500

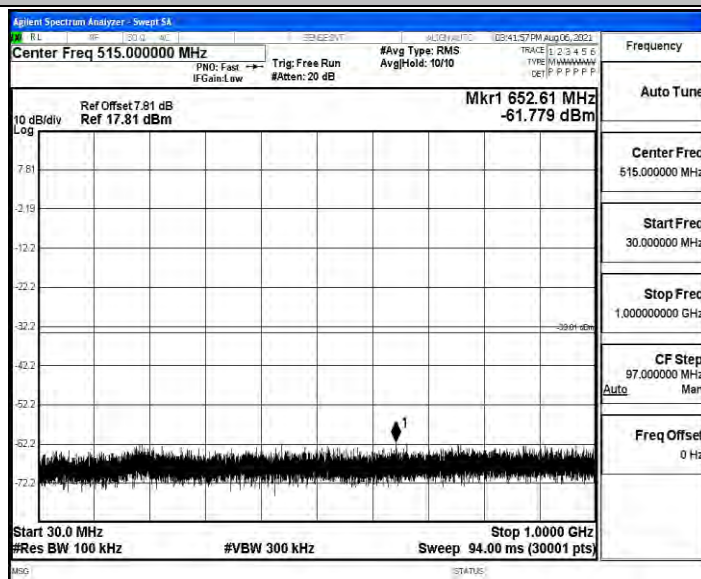


11N40SISO_Ant1_2422_0~Reference

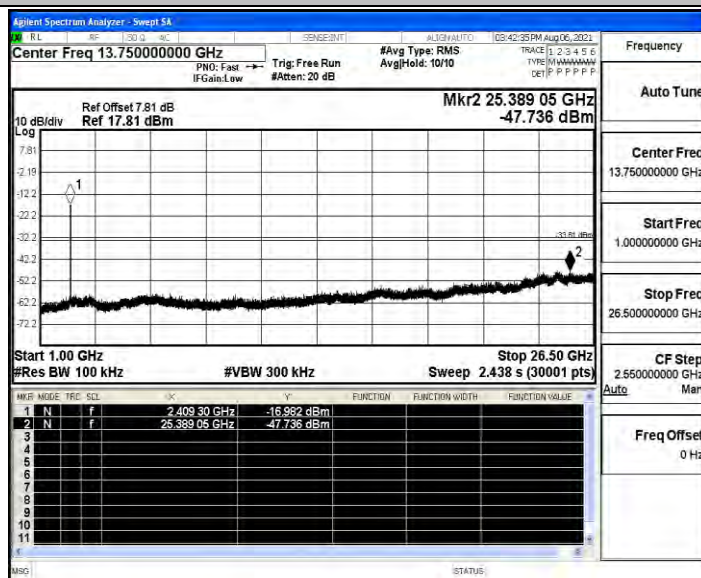




11N40SISO_Ant1_2422_30~1000

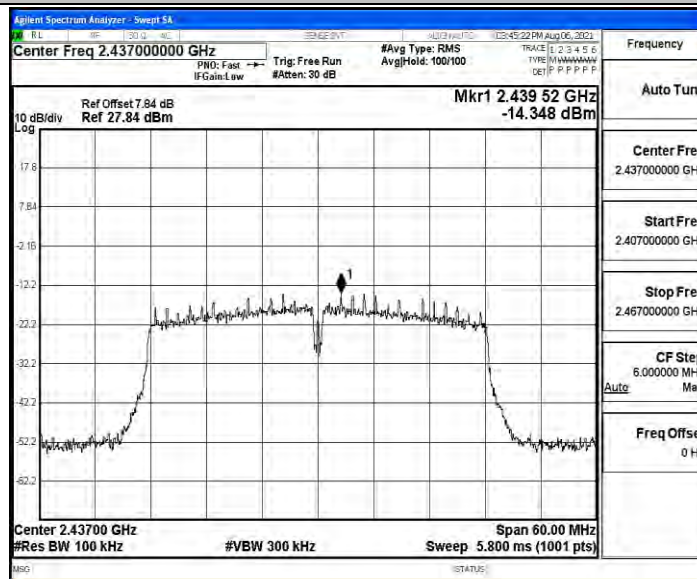


11N40SISO_Ant1_2422_1000~26500

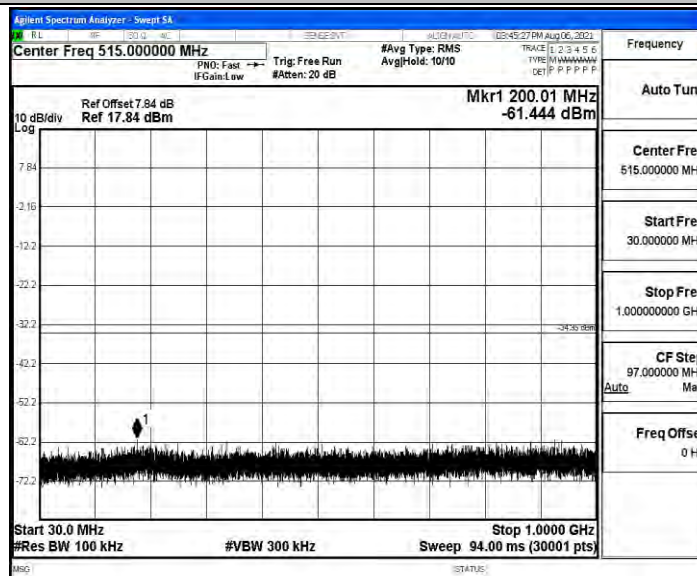




11N40SISO_Ant1_2437_0~Reference

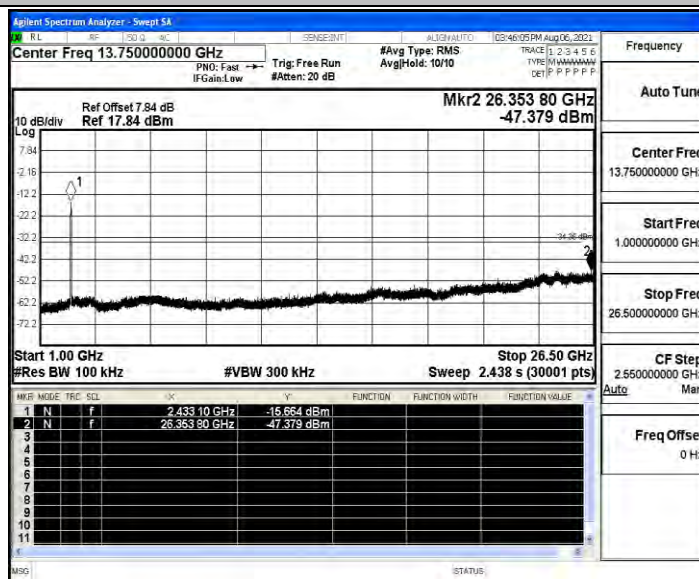


11N40SISO_Ant1_2437_30~1000

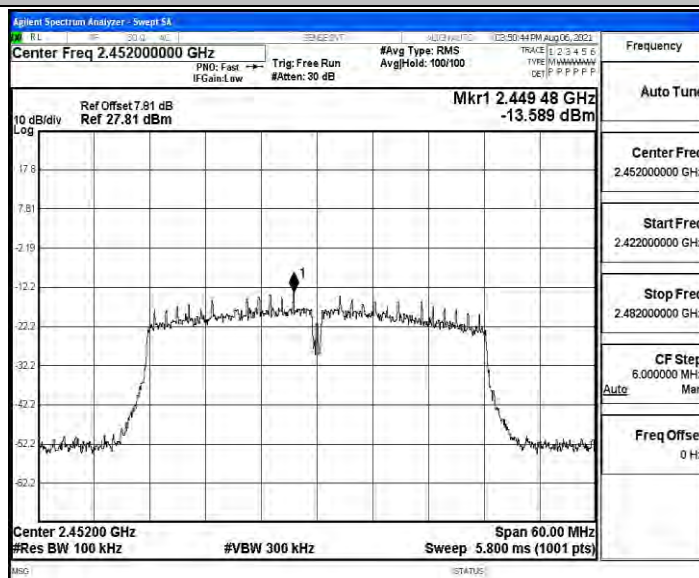




11N40SISO_Ant1_2437_1000~26500

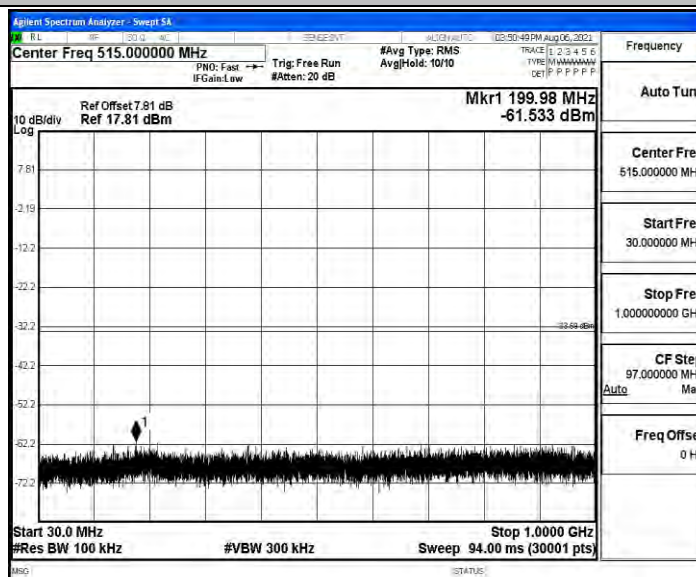


11N40SISO_Ant1_2452_0~Reference

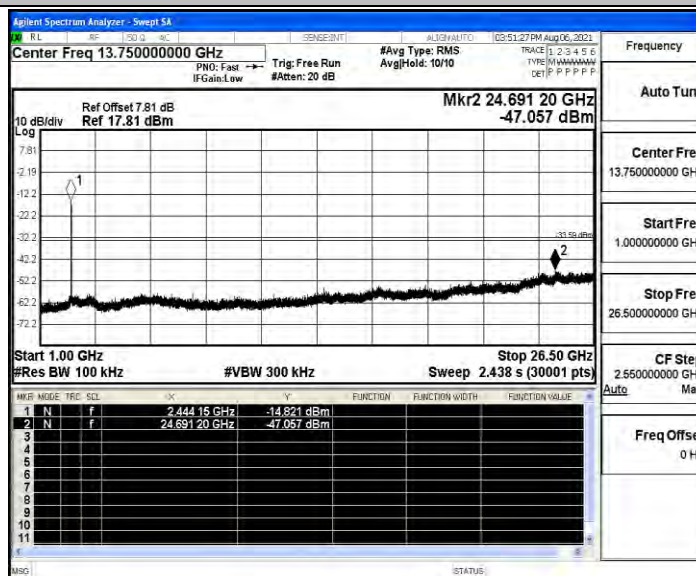




11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500





Appendix C.6: Band edge measurements

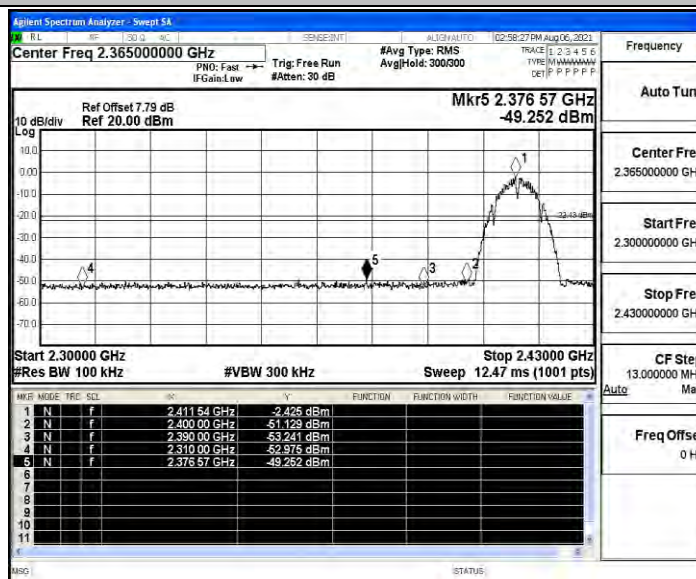
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-2.43	-49.25	≤ -22.43	PASS
		High	2462	-3.33	-48.55	≤ -23.33	PASS
11G	Ant1	Low	2412	-10.92	-48.95	≤ -30.92	PASS
		High	2462	-10.74	-48.39	≤ -30.74	PASS
11N20SISO	Ant1	Low	2412	-11.23	-49.46	≤ -31.23	PASS
		High	2462	-11.16	-46.6	≤ -31.16	PASS
11N40SISO	Ant1	Low	2422	-13.60	-48.77	≤ -33.6	PASS
		High	2452	-13.82	-47.97	≤ -33.82	PASS

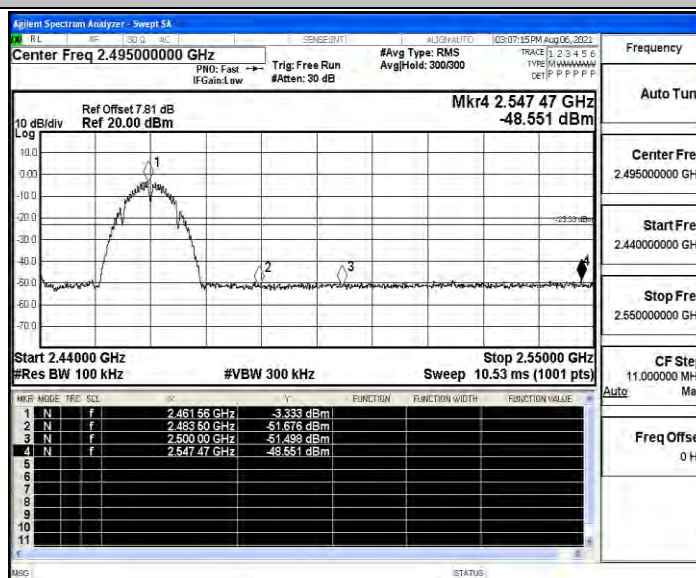


Test Graphs

11B_Ant1_Low_2412

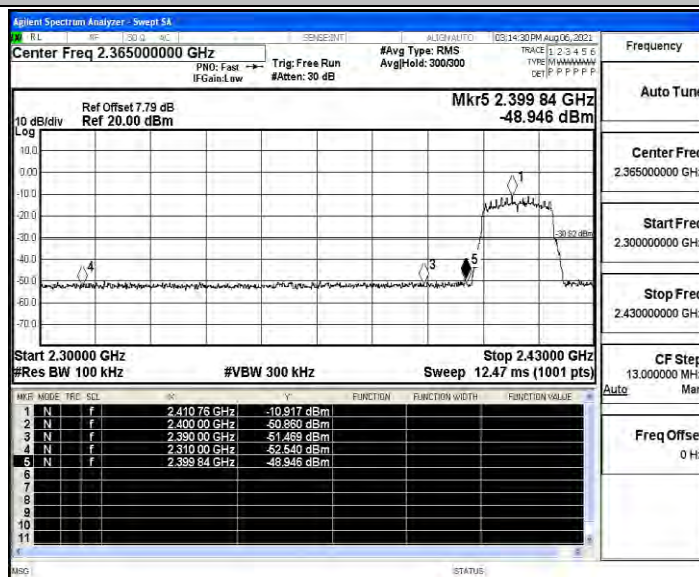


11B_Ant1_High_2462

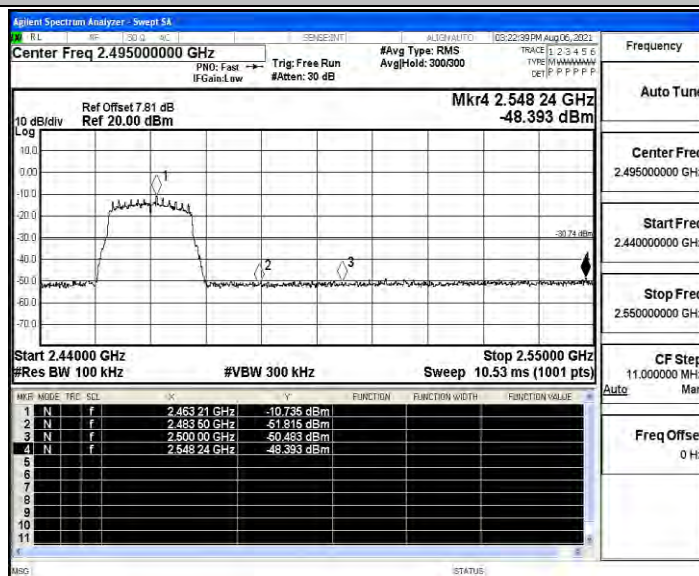




11G_Ant1_Low_2412

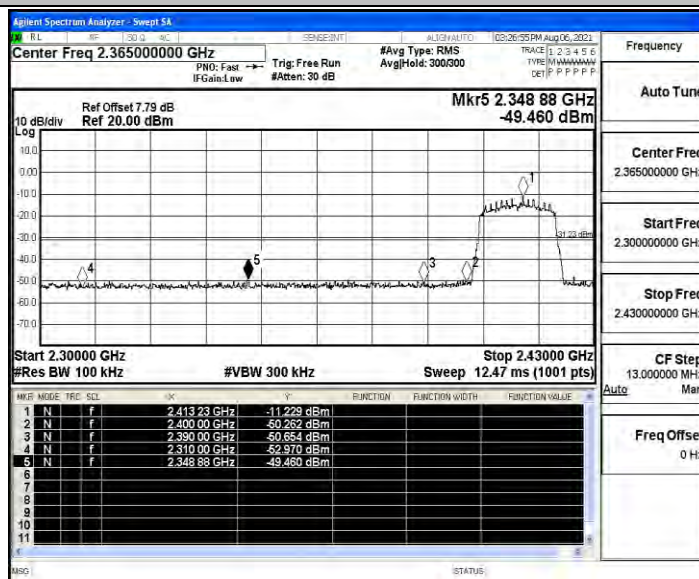


11G_Ant1_High_2462

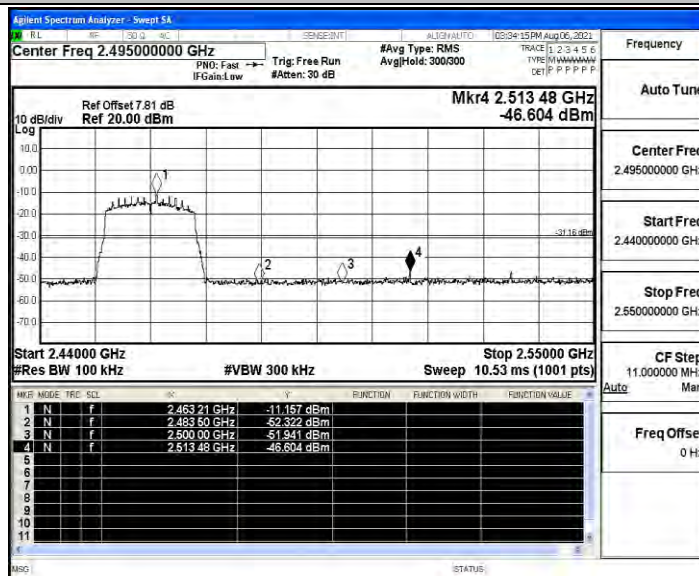




11N20SISO_Ant1_Low_2412

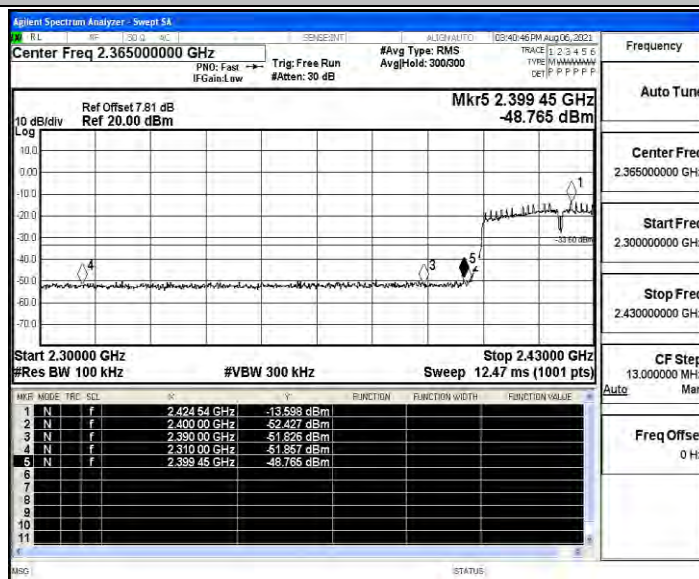


11N20SISO_Ant1_High_2462

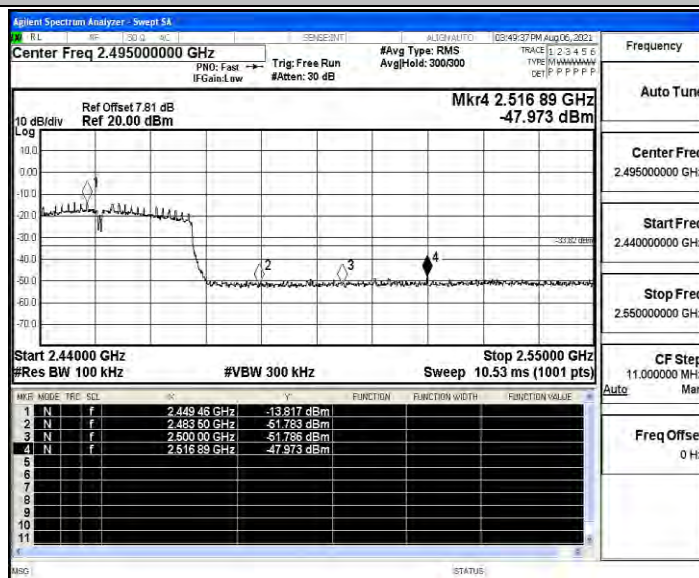




11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452





Appendix C.7: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2389.830	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2390.000	-48.85	≤-41.20	46.35	≤54	PASS
				Peak	2310.000	-42.5	≤-21.20	52.70	≤74	PASS
				Peak	2346.280	-39.4	≤-21.20	55.80	≤74	PASS
				Peak	2390.000	-43.47	≤-21.20	51.73	≤74	PASS
		High	2462	AV	2483.500	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2498.520	-48.11	≤-41.20	47.09	≤54	PASS
				AV	2500.000	-48.14	≤-41.20	47.06	≤54	PASS
				Peak	2483.500	-45.61	≤-21.20	49.59	≤74	PASS
				Peak	2485.650	-39.58	≤-21.20	55.62	≤74	PASS
				Peak	2500.000	-42.19	≤-21.20	53.01	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.69	≤-41.20	46.51	≤54	PASS
				AV	2388.790	-48.16	≤-41.20	47.04	≤54	PASS
				AV	2390.000	-48.27	≤-41.20	46.93	≤54	PASS
				Peak	2310.000	-41.67	≤-21.20	53.53	≤74	PASS
				Peak	2358.760	-38.28	≤-21.20	56.92	≤74	PASS
				Peak	2390.000	-40.61	≤-21.20	54.59	≤74	PASS
		High	2462	AV	2483.500	-47.97	≤-41.20	47.23	≤54	PASS
				AV	2496.760	-47.44	≤-41.20	47.76	≤54	PASS
				AV	2500.000	-47.75	≤-41.20	47.45	≤54	PASS
				Peak	2483.500	-41.04	≤-21.20	54.16	≤74	PASS
				Peak	2492.470	-38.69	≤-21.20	56.51	≤74	PASS
				Peak	2500.000	-41.01	≤-21.20	54.19	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-48.77	≤-41.20	46.43	≤54	PASS
				AV	2389.180	-48.16	≤-41.20	47.04	≤54	PASS
				AV	2390.000	-48.33	≤-41.20	46.87	≤54	PASS
				Peak	2310.000	-41.71	≤-21.20	53.49	≤74	PASS
				Peak	2383.460	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2390.000	-41.74	≤-21.20	53.46	≤74	PASS
		High	2462	AV	2483.500	-47.92	≤-41.20	47.28	≤54	PASS
				AV	2498.630	-47.6	≤-41.20	47.60	≤54	PASS
				AV	2500.000	-47.83	≤-41.20	47.37	≤54	PASS
				Peak	2483.500	-40.95	≤-21.20	54.25	≤74	PASS
				Peak	2485.650	-38.74	≤-21.20	56.46	≤74	PASS
				Peak	2500.000	-41.7	≤-21.20	53.50	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-48.45	≤-41.20	46.75	≤54	PASS



O				AV	2352.000	-47.73	≤ -41.20	47.47	≤ 54	PASS
				AV	2390.000	-48.08	≤ -41.20	47.12	≤ 54	PASS
				Peak	2310.000	-43.16	≤ -21.20	52.04	≤ 74	PASS
				Peak	2331.590	-38.86	≤ -21.20	56.34	≤ 74	PASS
				Peak	2390.000	-42.23	≤ -21.20	52.97	≤ 74	PASS
		High	2452	AV	2483.500	-47.73	≤ -41.20	47.47	≤ 54	PASS
				AV	2495.990	-47.23	≤ -41.20	47.97	≤ 54	PASS
				AV	2500.000	-47.46	≤ -41.20	47.74	≤ 54	PASS
				Peak	2483.500	-39.54	≤ -21.20	55.66	≤ 74	PASS
				Peak	2485.100	-38.65	≤ -21.20	56.55	≤ 74	PASS
				Peak	2500.000	-40.85	≤ -21.20	54.35	≤ 74	PASS

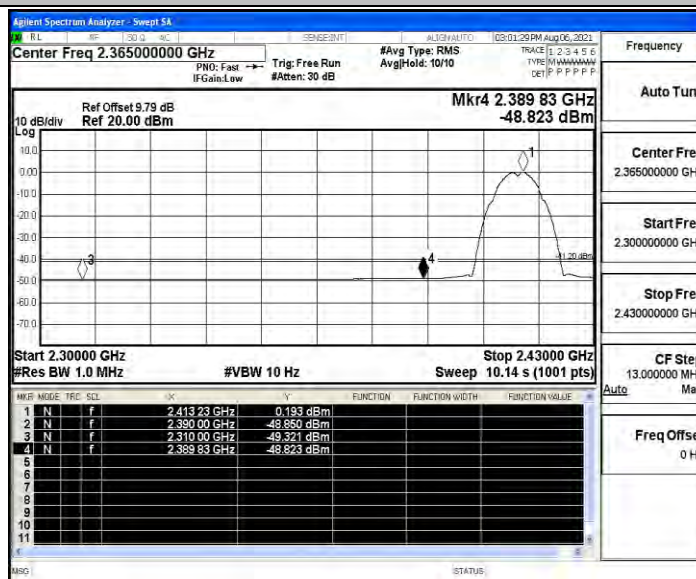
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

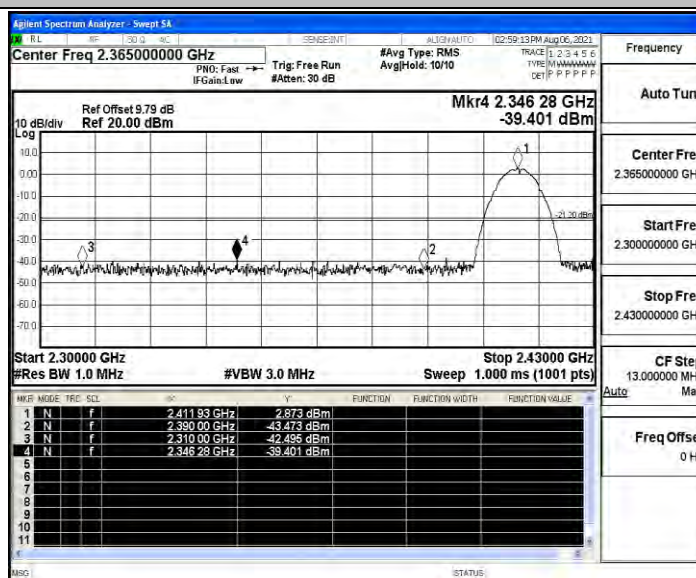


Test Graphs

11B_Ant1_Low_2412_AV

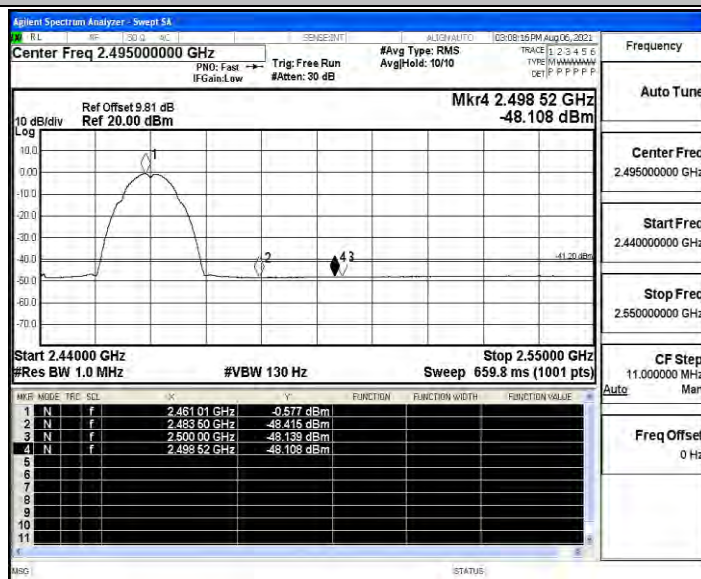


11B_Ant1_Low_2412_Peak

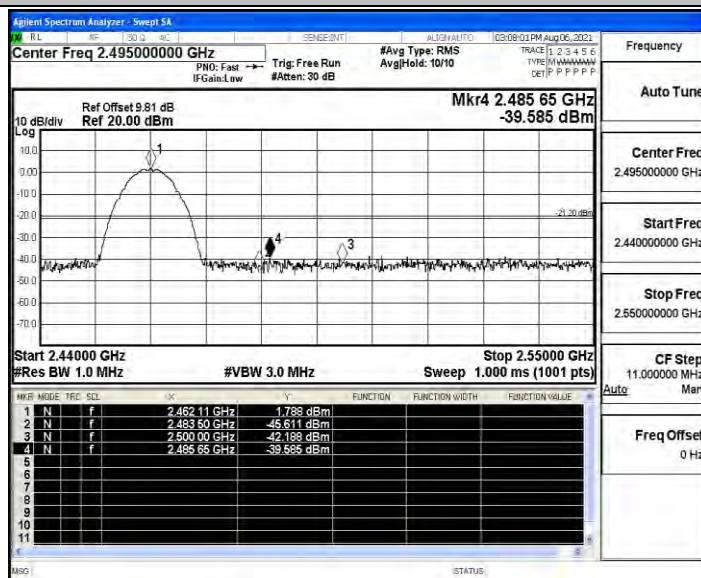




11B_Ant1_High_2462_AV

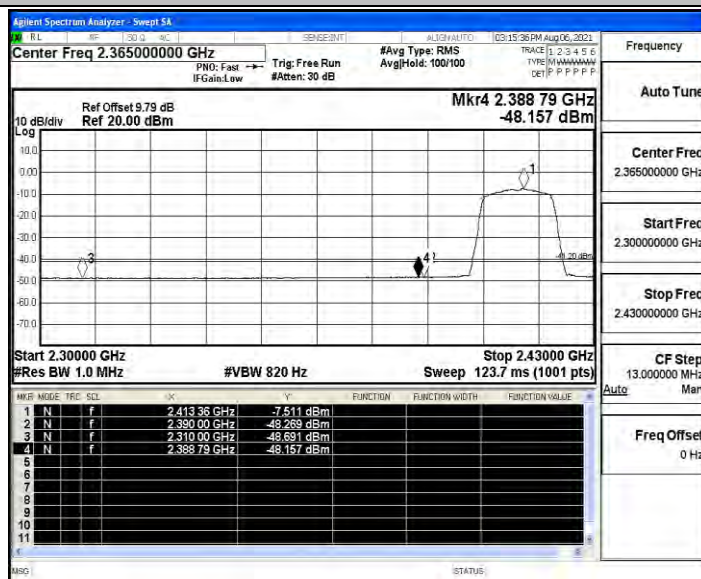


11B_Ant1_High_2462_Peak

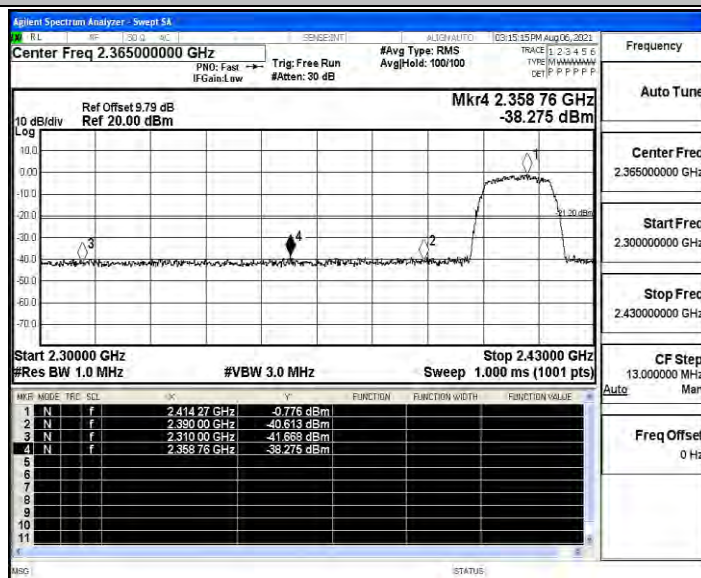




11G_Ant1_Low_2412_AV

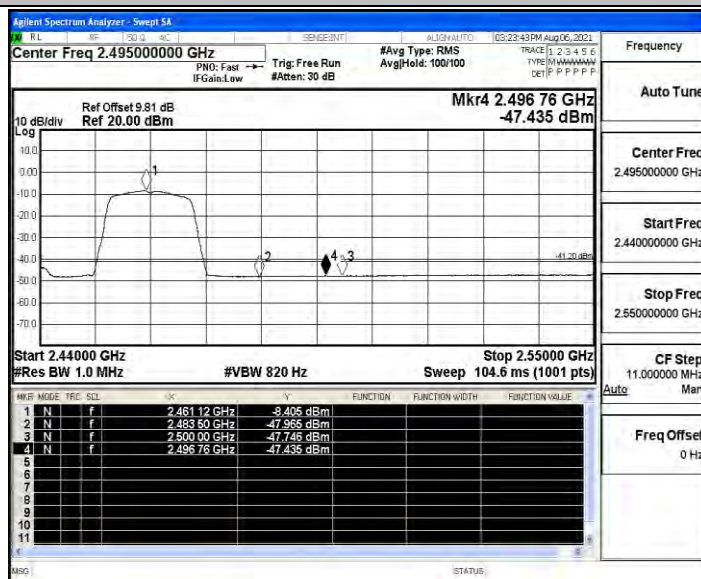


11G_Ant1_Low_2412_Peak

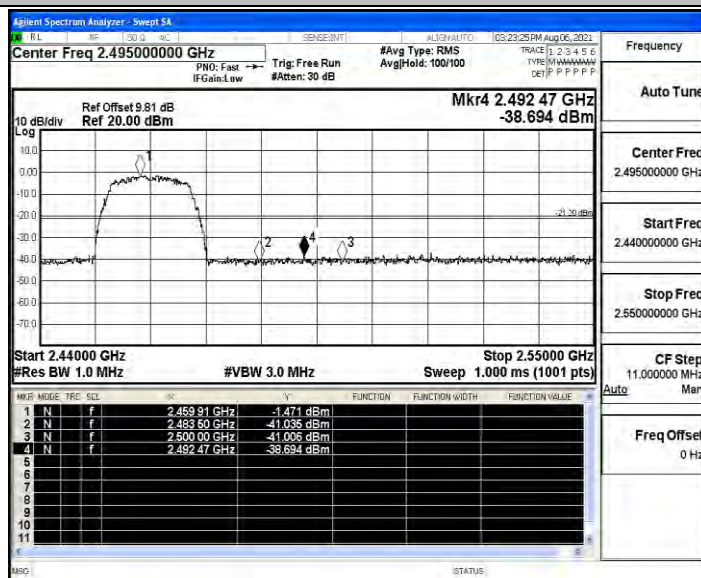




11G_Ant1_High_2462_AV

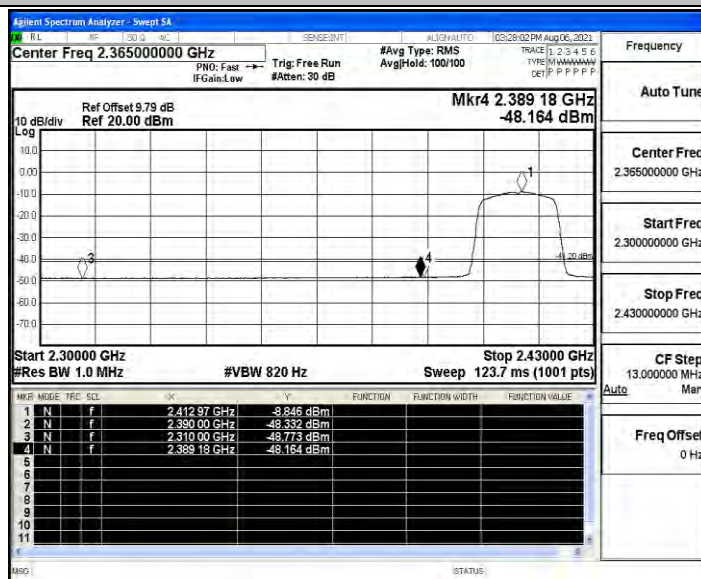


11G_Ant1_High_2462_Peak

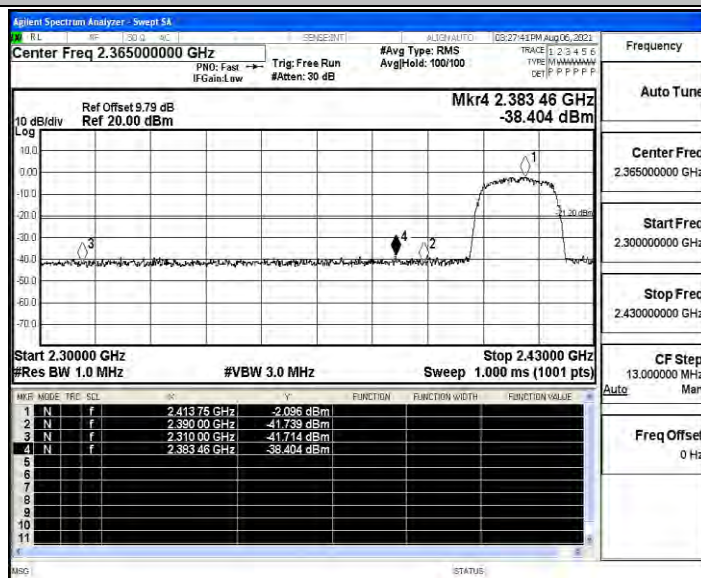




11N20SISO_Ant1_Low_2412_AV

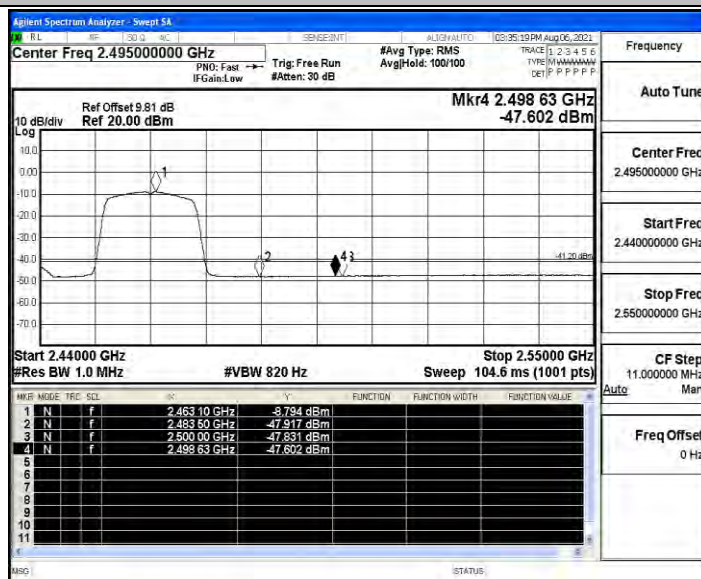


11N20SISO_Ant1_Low_2412_Peak

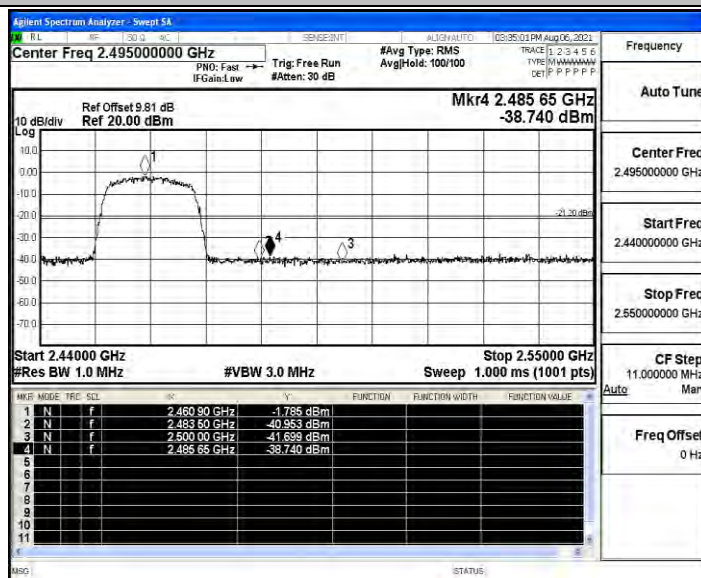




11N20SISO_Ant1_High_2462_AV

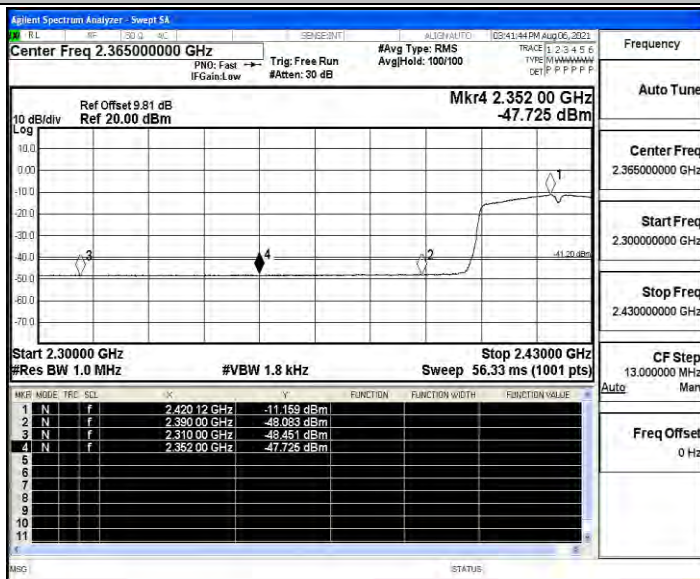


11N20SISO_Ant1_High_2462_Peak

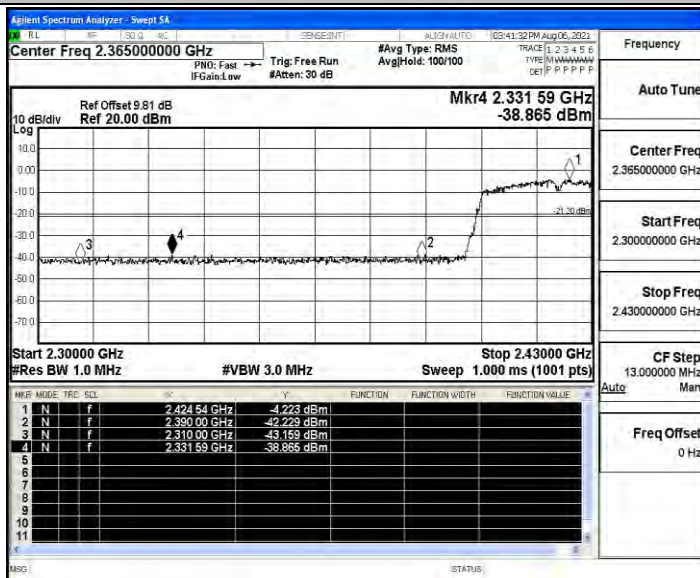




11N40SISO_Ant1_Low_2422_AV

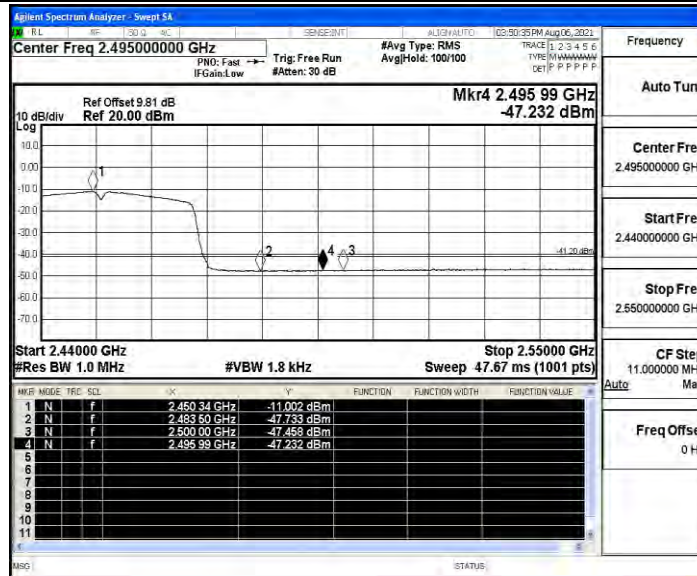


11N40SISO_Ant1_Low_2422_Peak





11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak

